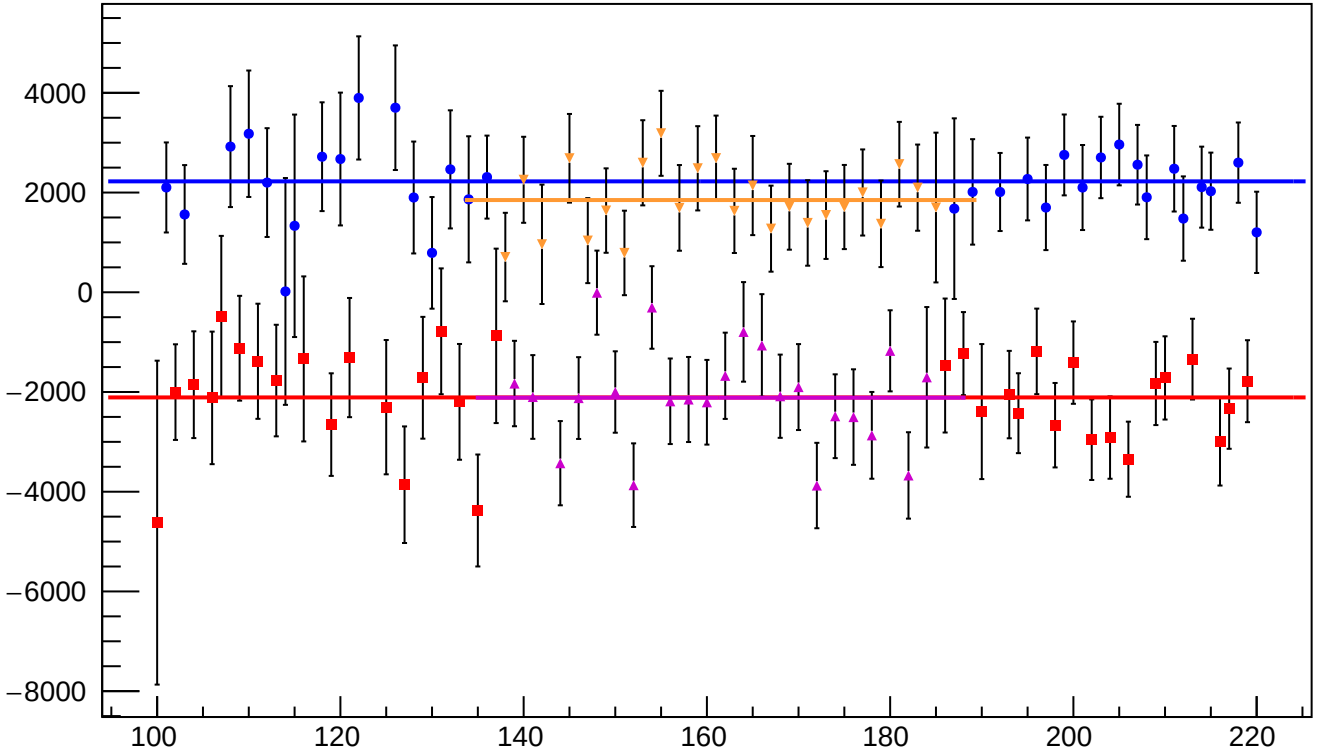
reg_asym_us_avg_mean vs Slug



Right In: 2224.482+/-168.135 χ^2/NDF: 13.1/32

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

Right Out: -2108.904+/-169.042 χ^2/NDF: 23.1/34

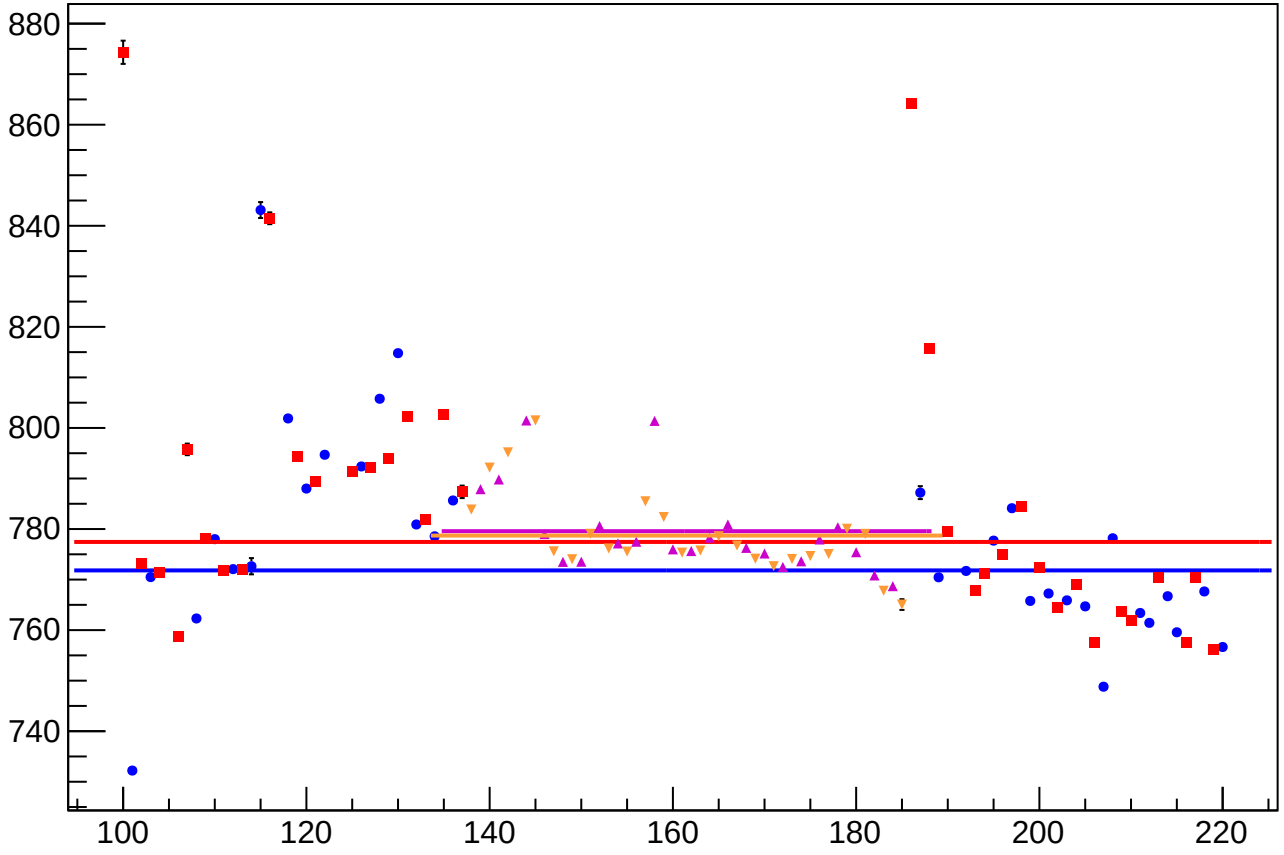
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2050.564+/-123.104 χ^2/NDF: 28.3/56

All: -17.591+/-87.316 χ^2/NDF: 650.5/114

- sign -2111.468+/-123.867 χ^2/NDF: 54.2/57

reg_asym_us_avg_rms vs Slug



Right In: 771.814+/-0.119 χ^2/NDF: 19296.7/32

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

Right Out: 777.447+/-0.120 χ^2/NDF: 28321.2/34

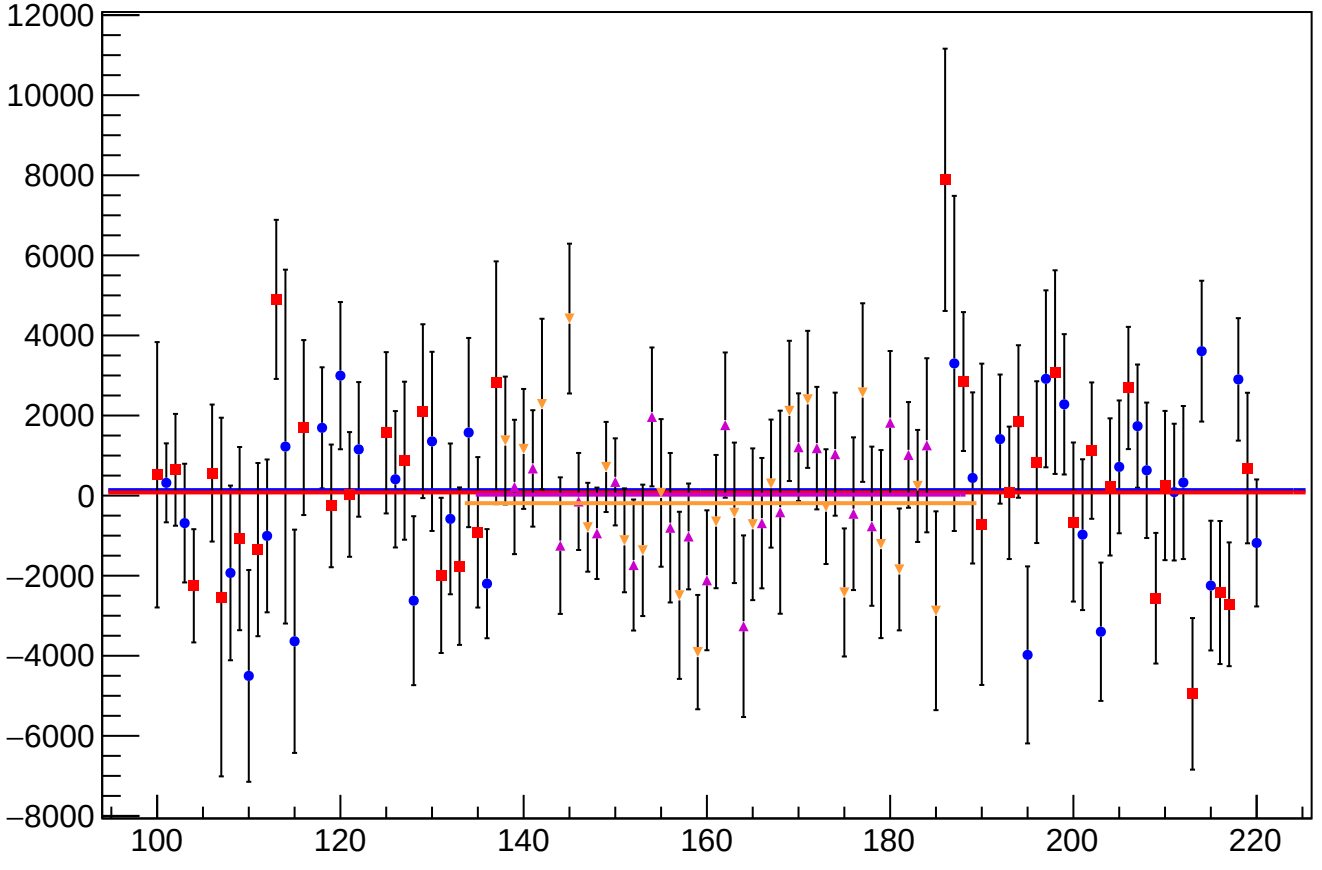
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 775.012+/-0.087 χ^2/NDF: 24246.8/56

All: 776.712+/-0.062 χ^2/NDF: 57654.7/114

- sign 778.432+/-0.088 χ^2/NDF: 32640.9/57

asym_us_avg_reg_correction_mean vs Slug



Right In: 136.579+/-309.469 χ^2/NDF: 39.5/32

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

Right Out: 79.537+/-321.260 χ^2/NDF: 44.3/34

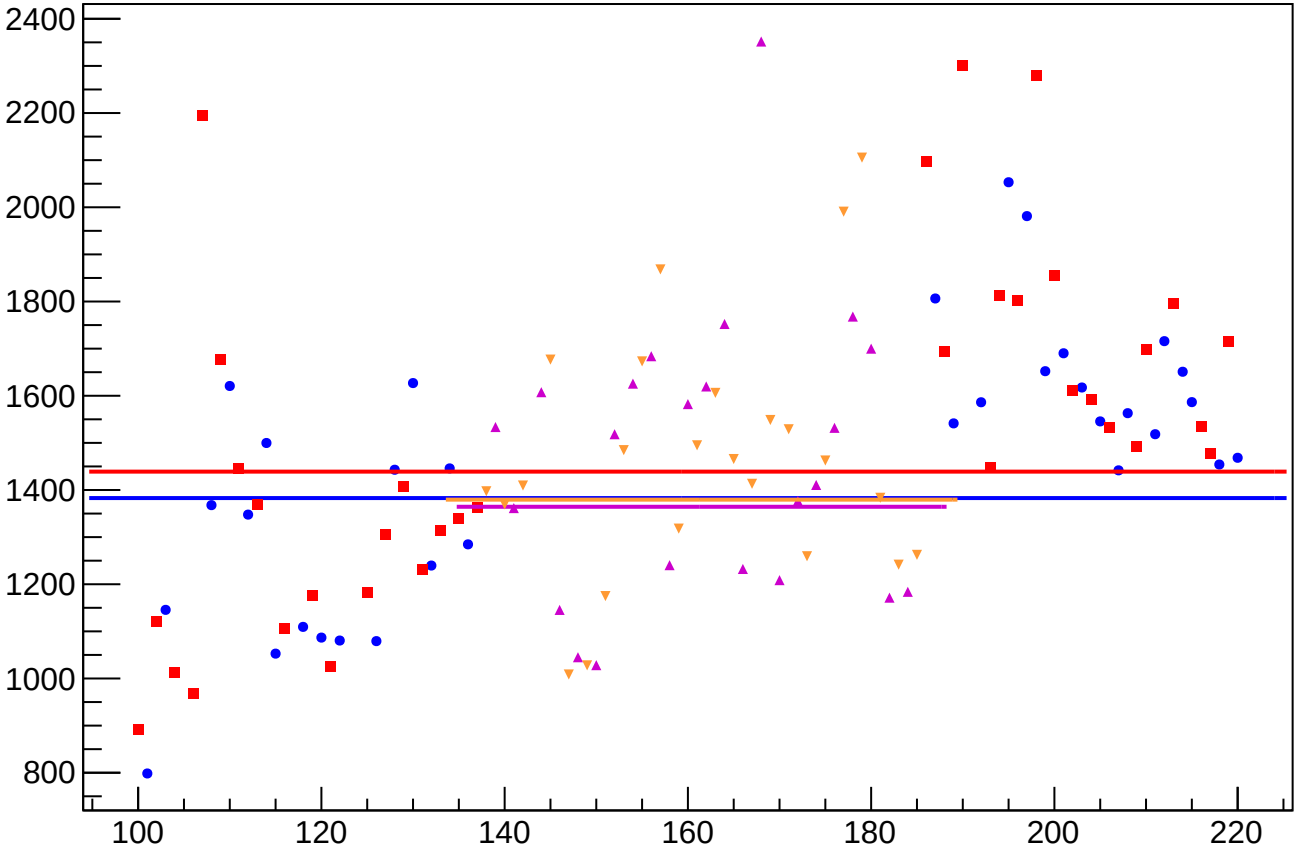
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -16.918+/-224.988 χ^2/NDF: 69.6/56

All: 16.987+/-160.406 χ^2/NDF: 127.5/114

- sign 52.036+/-228.756 χ^2/NDF: 57.8/57

asym_us_avg_reg_correction_rms vs Slug



Right In: 1382.892+/-0.219 χ^2/NDF: 1832126.9/32

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

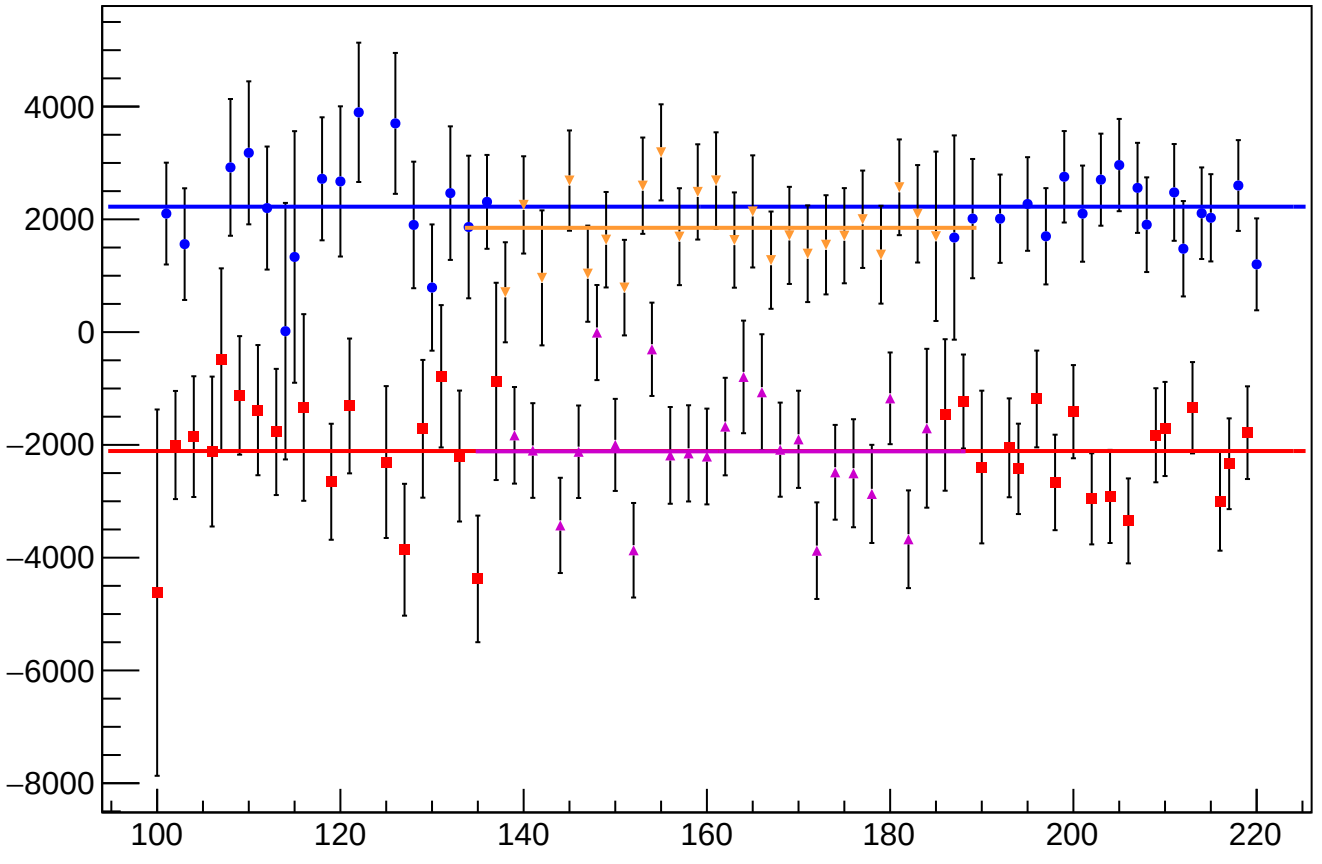
Right Out: 1439.008+/-0.227 χ^2/NDF: 1770376.8/34

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

+ sign 1381.310+/-0.159 χ^2/NDF: 2990706.3/56

All: 1391.598+/-0.113 χ^2/NDF: 6135047.0/11

- sign 1402.234+/-0.162 χ^2/NDF: 3135834.9/57



Right In: 2224.482+/-168.135 χ^2/NDF: 13.1/32

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

Right Out: -2108.904+/-169.042 χ^2/NDF: 23.1/34

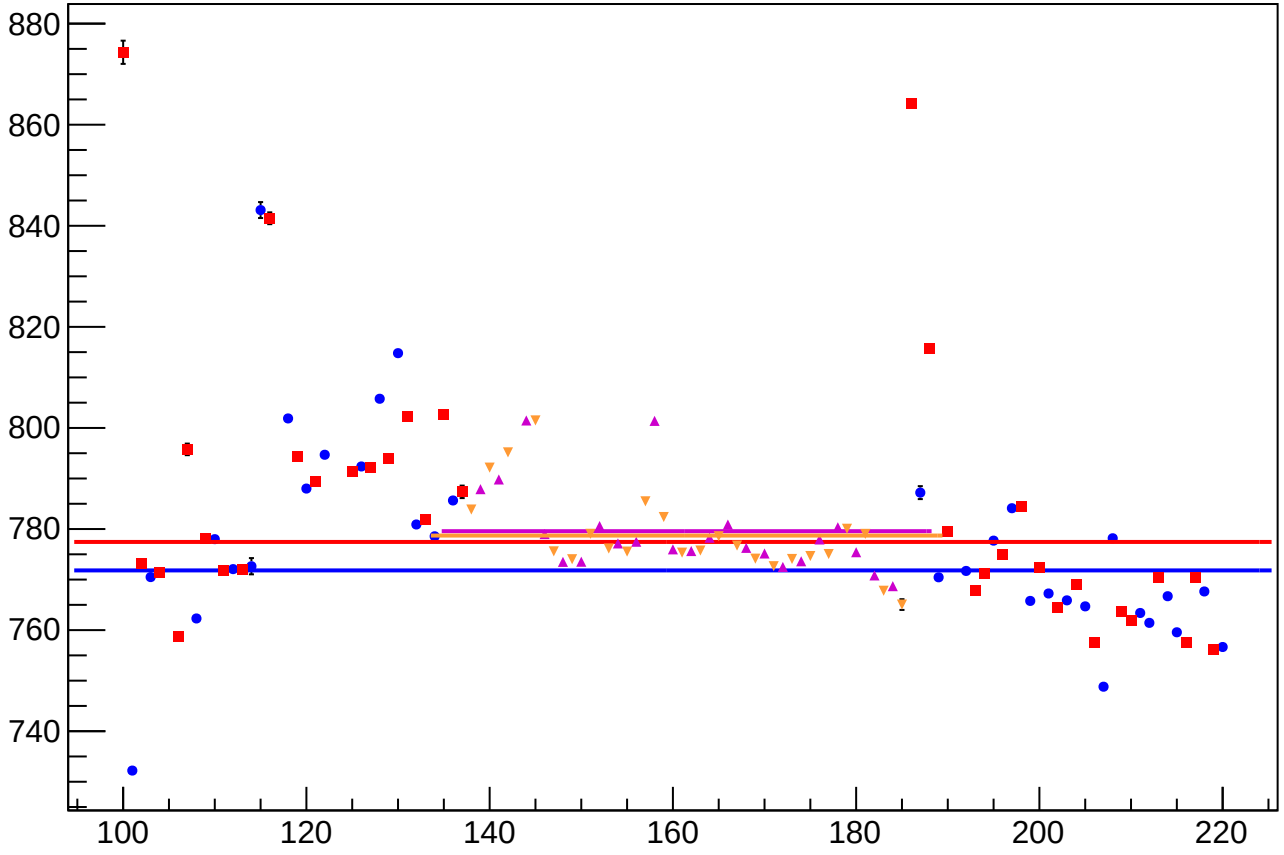
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2050.564+/-123.104 χ^2/NDF: 28.3/56

All: -17.591+/-87.316 χ^2/NDF: 650.5/114

- sign -2111.468+/-123.867 χ^2/NDF: 54.2/57

cor_asym_us_avg_rms vs Slug



Right In: 771.814+/-0.119 χ^2/NDF: 19296.7/32

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

Right Out: 777.447+/-0.120 χ^2/NDF: 28321.2/34

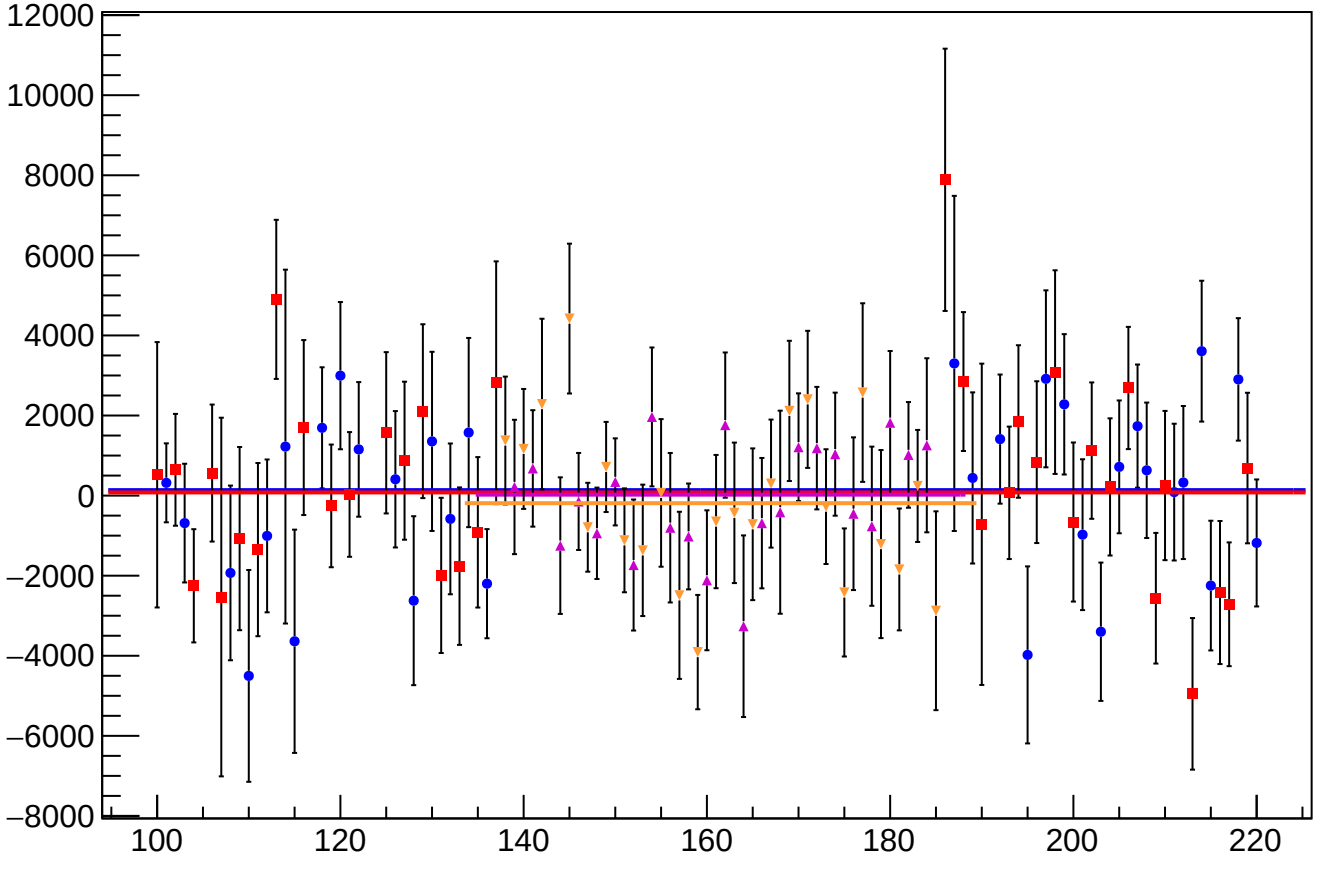
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 775.012+/-0.087 χ^2/NDF: 24246.8/56

All: 776.712+/-0.062 χ^2/NDF: 57654.7/114

- sign 778.432+/-0.088 χ^2/NDF: 32640.9/57

asym_us_avg_cor_correction_mean vs Slug



Right In: 136.579+/-309.469 χ^2/NDF: 39.5/32

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

Right Out: 79.537+/-321.260 χ^2/NDF: 44.3/34

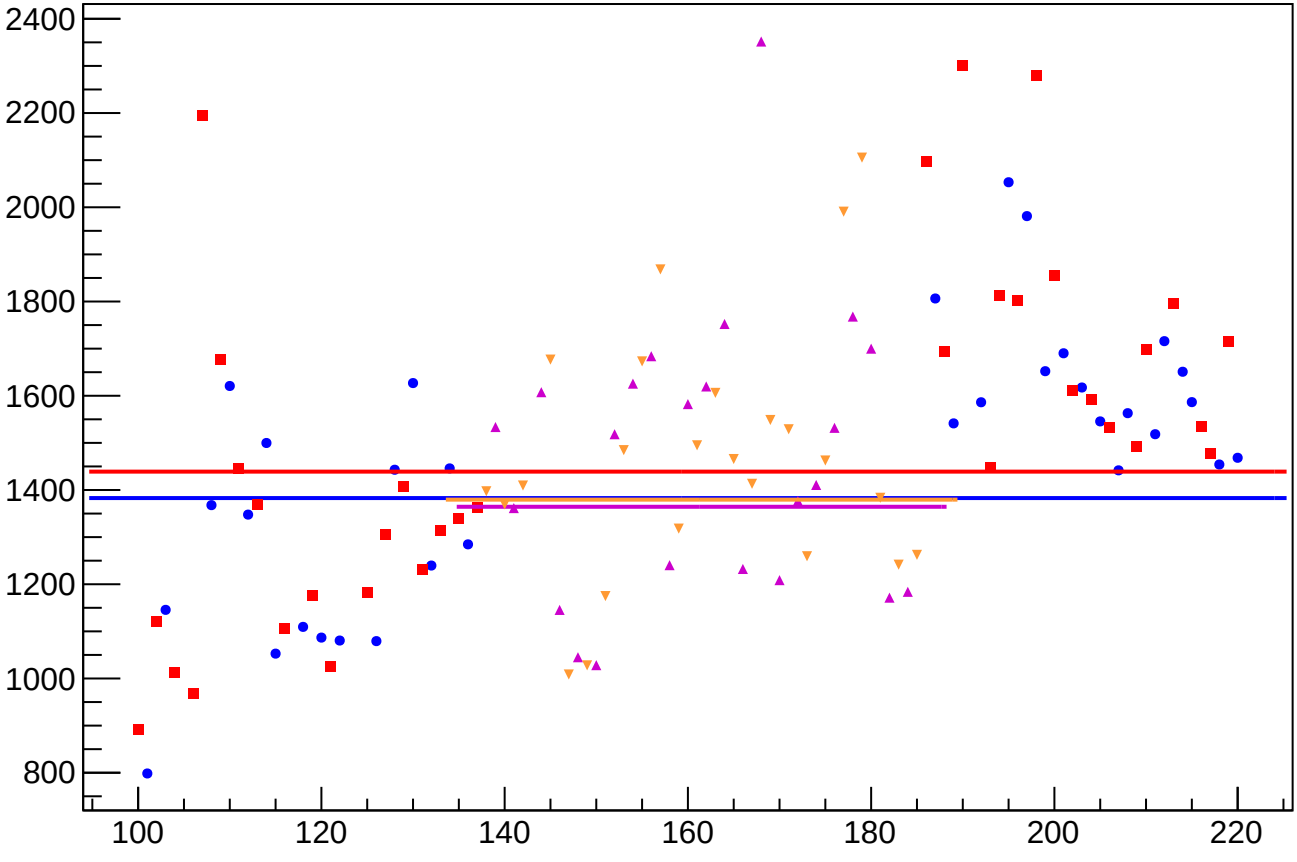
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -16.918+/-224.988 χ^2/NDF: 69.6/56

All: 16.987+/-160.406 χ^2/NDF: 127.5/114

- sign 52.036+/-228.756 χ^2/NDF: 57.8/57

asym_us_avg_cor_correction_rms vs Slug



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

Right Out: 1439.008+/-0.227 χ^2/NDF: 1770376.8/34

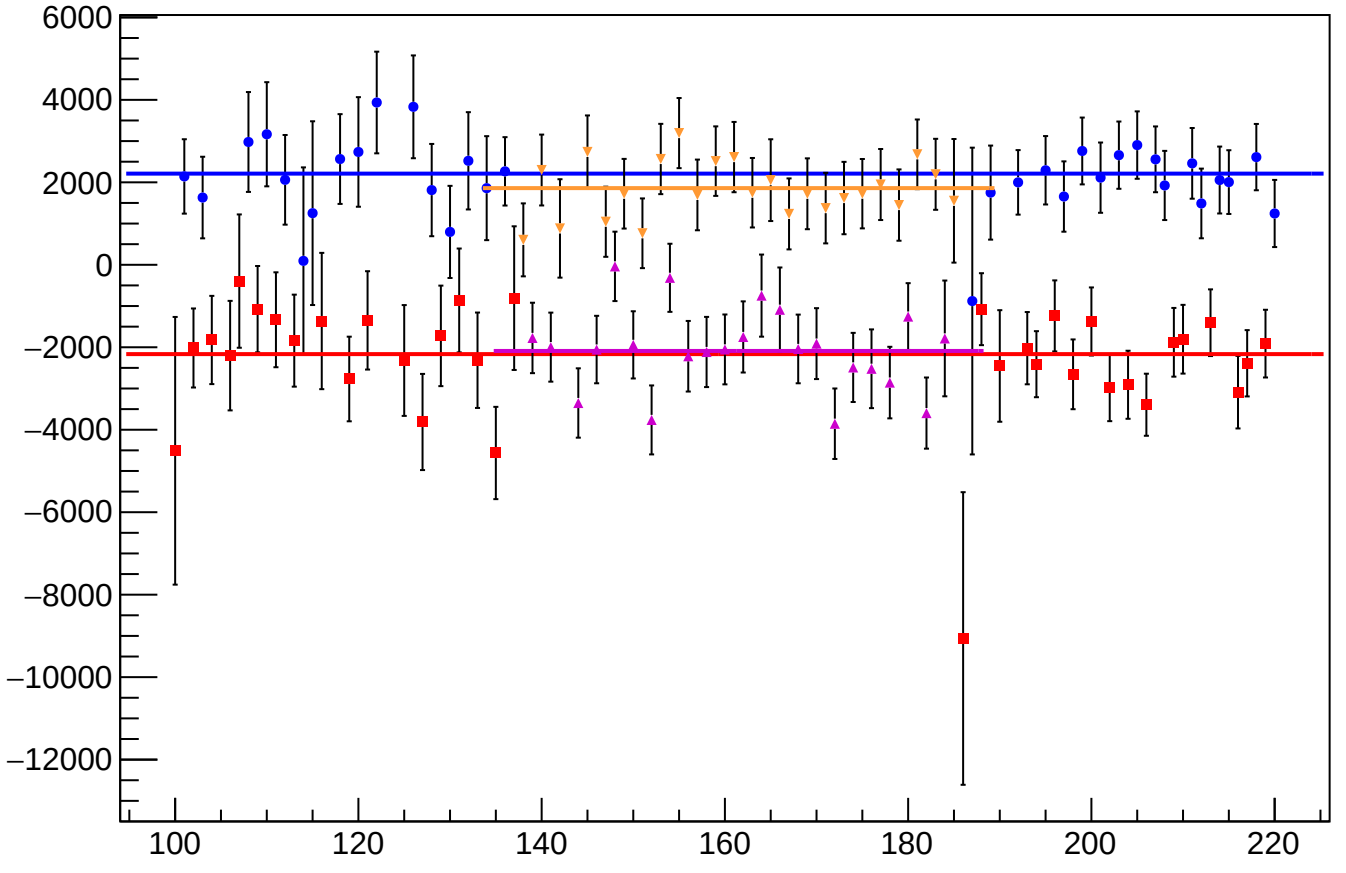
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1381.310+/-0.159 χ^2/NDF: 2990706.3/56

All: 1391.598+/-0.113 χ^2/NDF: 6135047.0/11

- sign 1402.234+/-0.162 χ^2/NDF: 3135834.9/57

overload_cor_asym_us_avg_mean vs Slug



Right In: 2211.104+/-168.746 χ^2/NDF: 13.9/32

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

Right Out: -2165.929+/-170.304 χ^2/NDF: 27.9/34

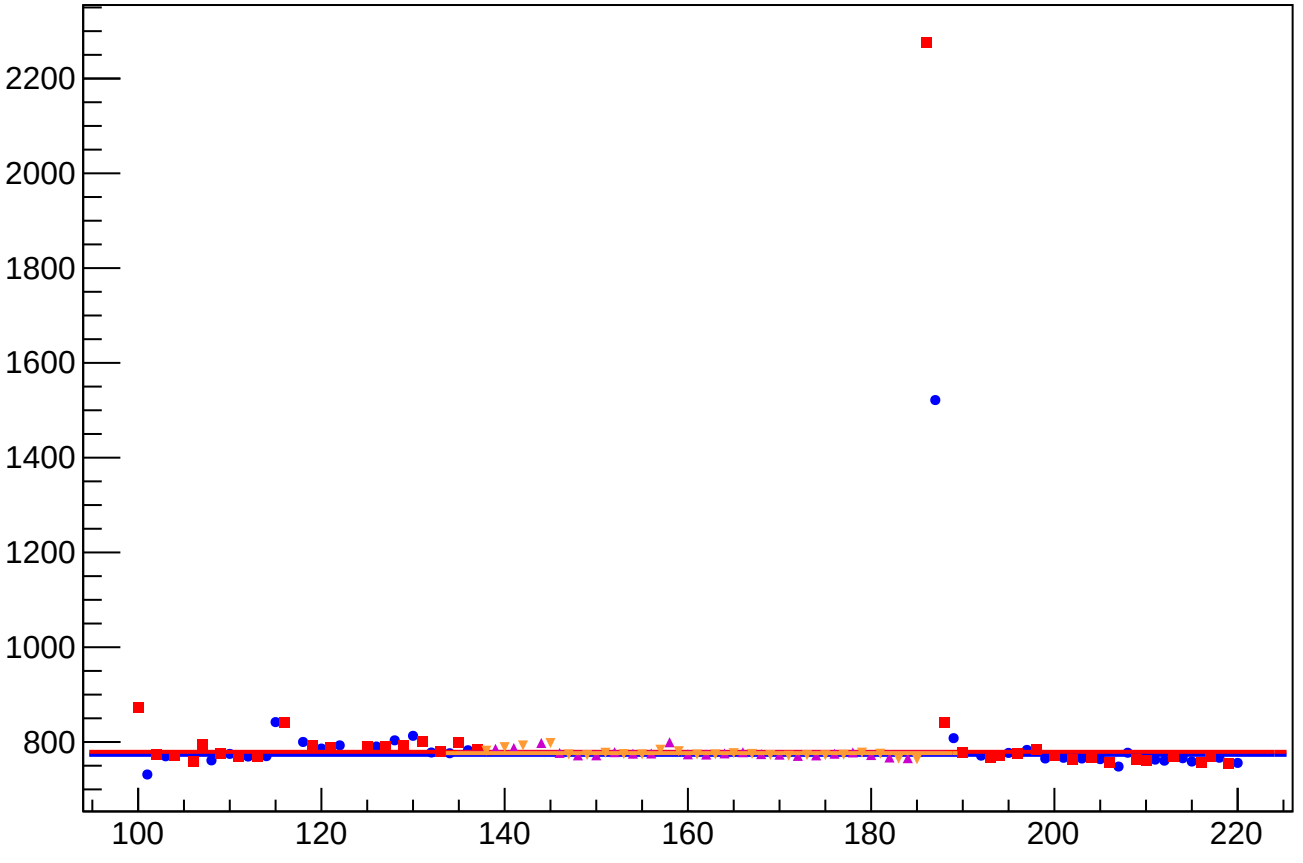
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 2046.874+/-123.181 χ^2/NDF: 29.5/56

All: -24.441+/-87.460 χ^2/NDF: 657.3/114

- sign -2130.146+/-124.200 χ^2/NDF: 57.6/57

overload_cor_asym_us_avg_rms vs Slug



Right In: 772.940+/-0.119 χ^2/NDF: 101638.0/32

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

Right Out: 779.303+/-0.120 χ^2/NDF: 382786.5/34

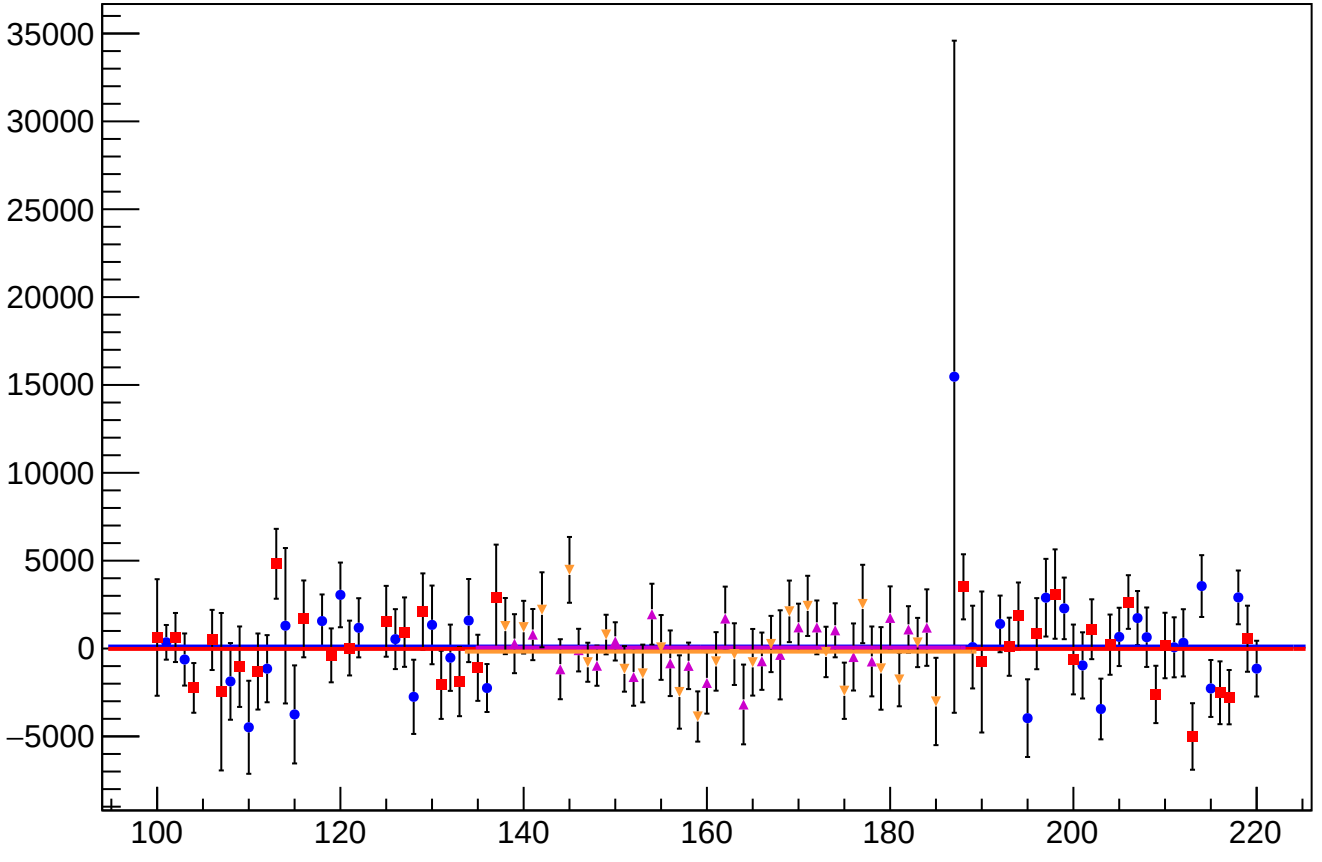
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

\+ sign 774.613+/-0.087 χ^2/NDF: 105196.4/56

All: 776.500+/-0.062 χ^2/NDF: 493106.6/114

\- sign 778.418+/-0.088 χ^2/NDF: 386964.0/57

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: 112.511+/-311.044 χ^2/NDF: 39.8/32

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

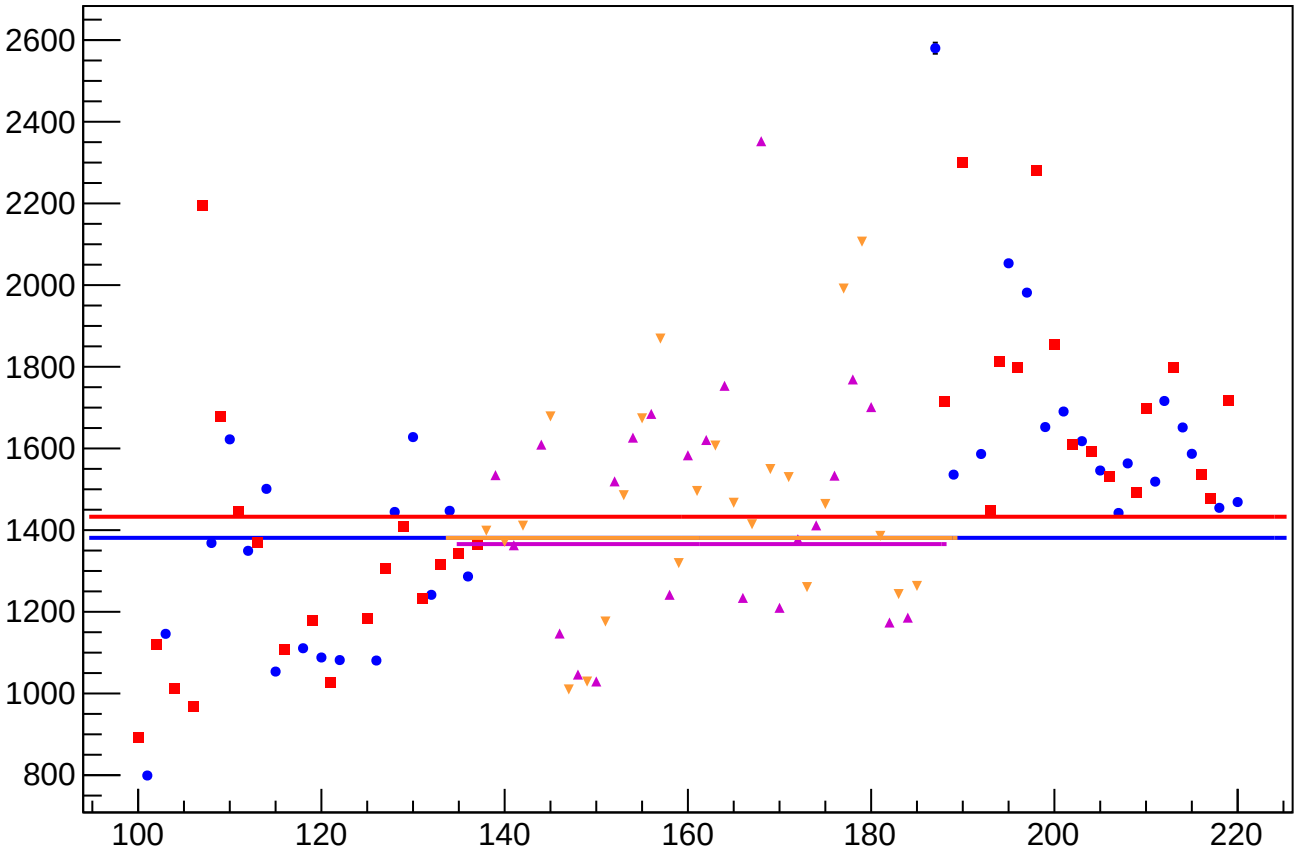
Right Out: -20.396+/-323.695 χ^2/NDF: 39.9/33

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

\+ sign -23.593+/-225.695 χ^2/NDF: 69.8/56

All: -4.178+/-161.002 χ^2/NDF: 122.7/113

\- sign 15.938+/-229.741 χ^2/NDF: 52.9/56



Right In: 1381.128+/-0.220 χ^2/NDF: 1811562.1/32

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

Right Out: 1432.793+/-0.229 χ^2/NDF: 1683006.6/33

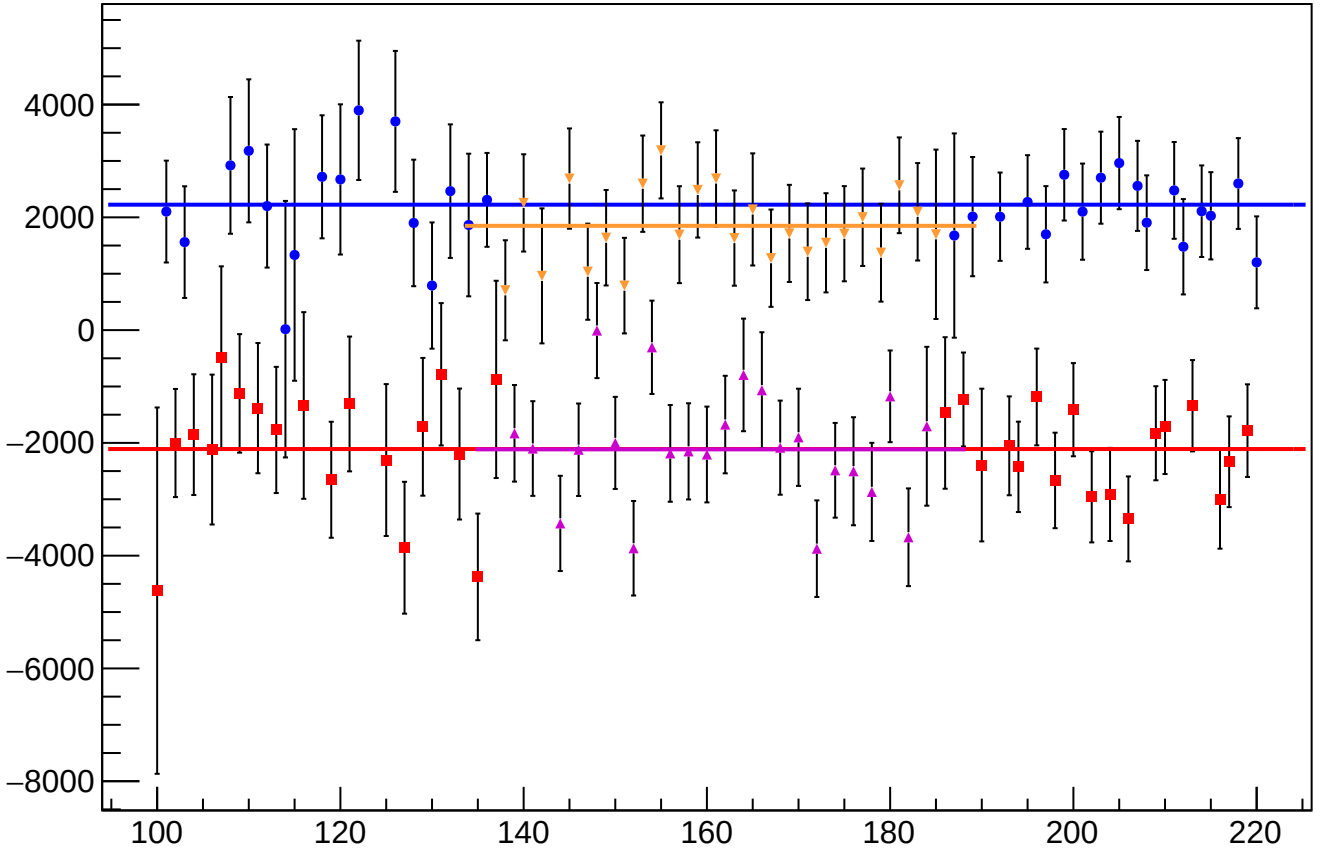
Left In: 1365.811+/-0.231 χ^2/NDF:1308862.5/22

+ sign 1381.045+/-0.160 χ^2/NDF: 2967000.1/56

All: 1390.134+/-0.114 χ^2/NDF: 6007973.9/11

- sign 1399.553+/-0.162 χ^2/NDF: 3034368.7/56

eigen_cor_asym_us_avg_mean vs Slug



Right In: 2224.482+/-168.135 χ^2/NDF: 13.1/32

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

Right Out: -2108.904+/-169.042 χ^2/NDF: 23.1/34

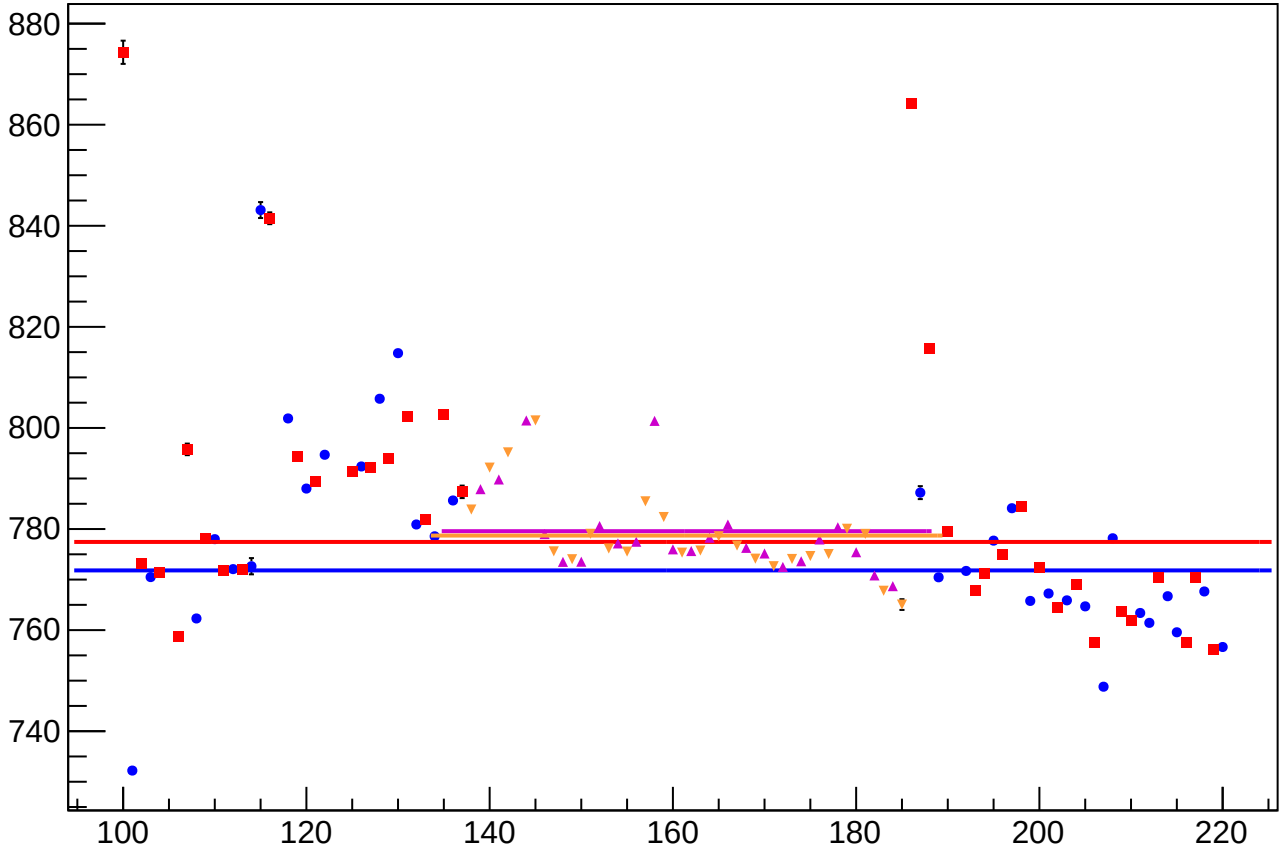
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2050.564+/-123.104 χ^2/NDF: 28.3/56

All: -17.591+/-87.316 χ^2/NDF: 650.5/114

- sign -2111.468+/-123.867 χ^2/NDF: 54.2/57

eigen_cor_asym_us_avg_rms vs Slug



Right In: 771.814+/-0.119 χ^2/NDF: 19296.7/32

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

Right Out: 777.447+/-0.120 χ^2/NDF: 28321.2/34

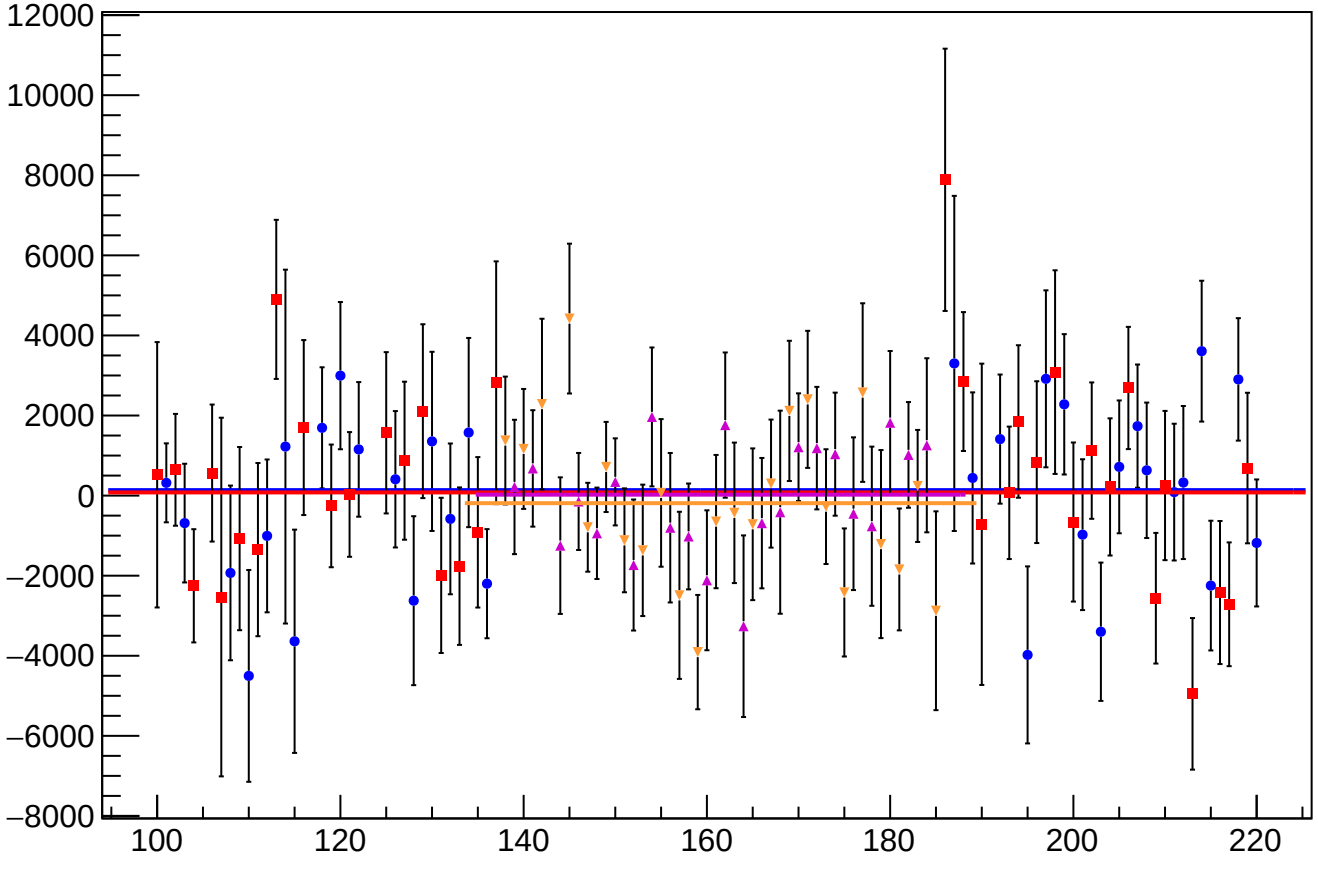
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 775.012+/-0.087 χ^2/NDF: 24246.8/56

All: 776.712+/-0.062 χ^2/NDF: 57654.7/114

- sign 778.432+/-0.088 χ^2/NDF: 32640.9/57

asym_us_avg_eigen_cor_correction_mean vs Slug



Right In: 136.579+/-309.469 χ^2/NDF: 39.5/32

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

Right Out: 79.537+/-321.260 χ^2/NDF: 44.3/34

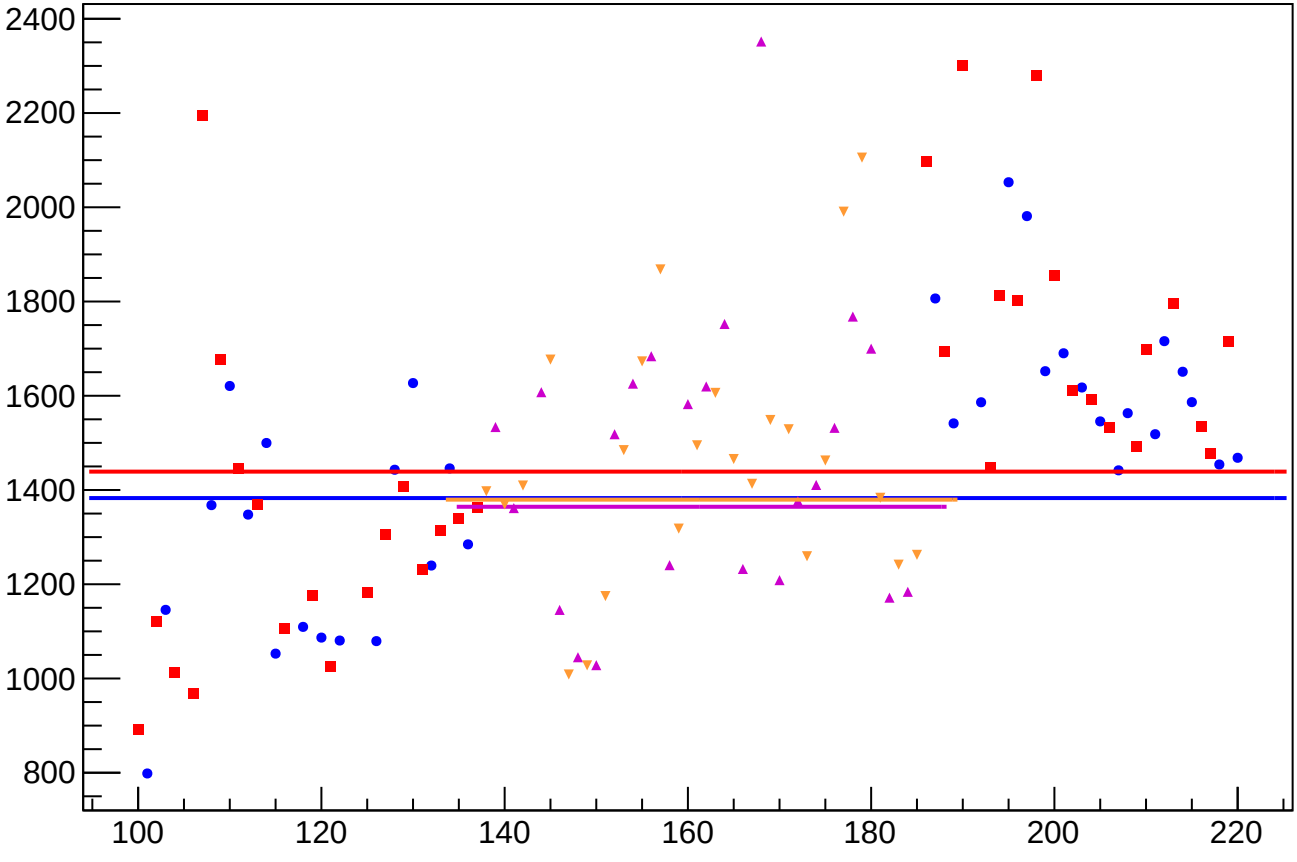
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -16.918+/-224.988 χ^2/NDF: 69.6/56

All: 16.987+/-160.406 χ^2/NDF: 127.5/114

- sign 52.036+/-228.756 χ^2/NDF: 57.8/57

asym_us_avg_eigen_cor_correction_rms vs Slug



Right In: 1382.892+/-0.219 χ^2/NDF: 1832126.9/32

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

Right Out: 1439.008+/-0.227 χ^2/NDF: 1770376.8/34

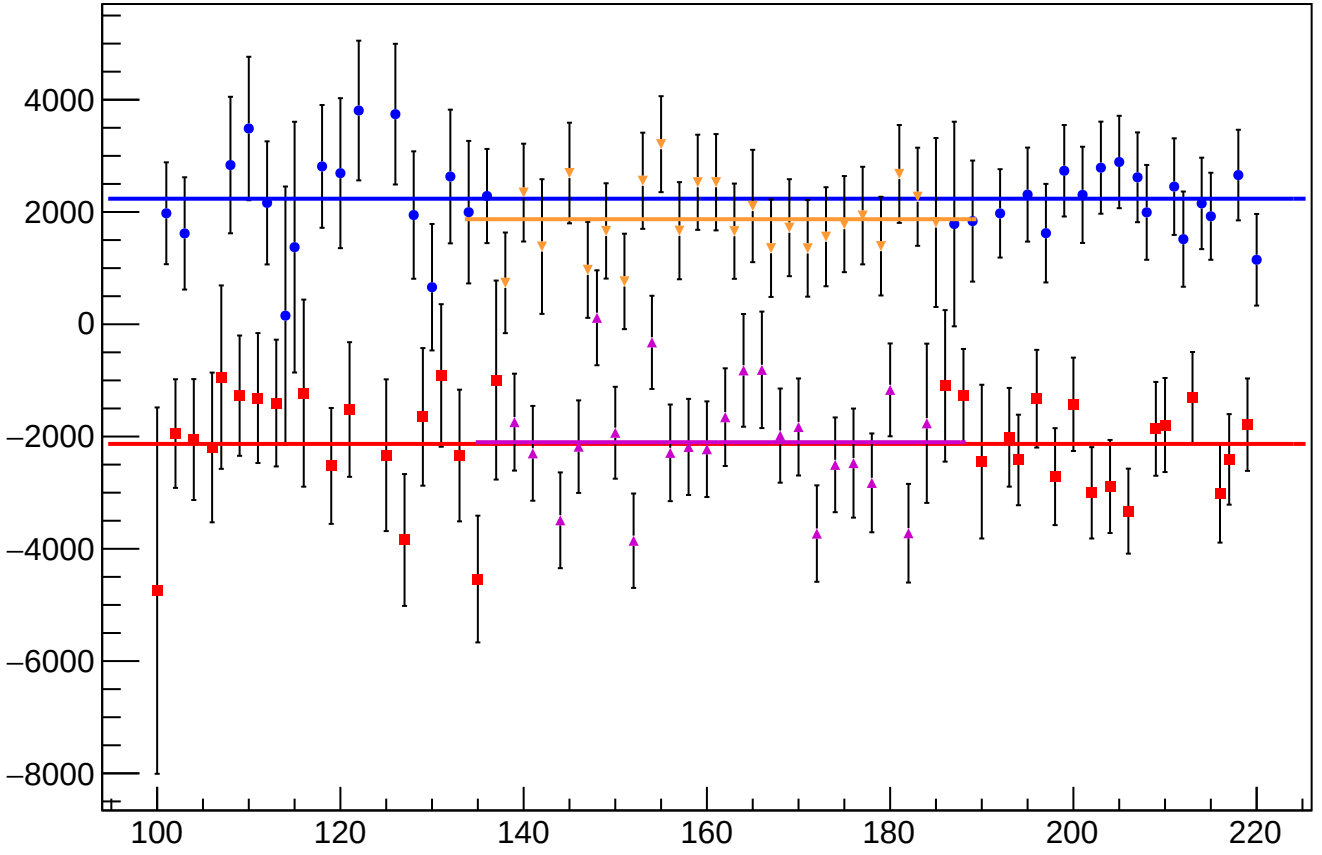
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1381.310+/-0.159 χ^2/NDF: 2990706.3/56

All: 1391.598+/-0.113 χ^2/NDF: 6135047.0/11

- sign 1402.234+/-0.162 χ^2/NDF: 3135834.9/57

dit_asym_us_avg_mean vs Slug



Right In: 2236.874+/-169.135 χ^2/NDF: 13.8/32

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

Right Out: -2131.516+/-170.055 χ^2/NDF: 22.6/34

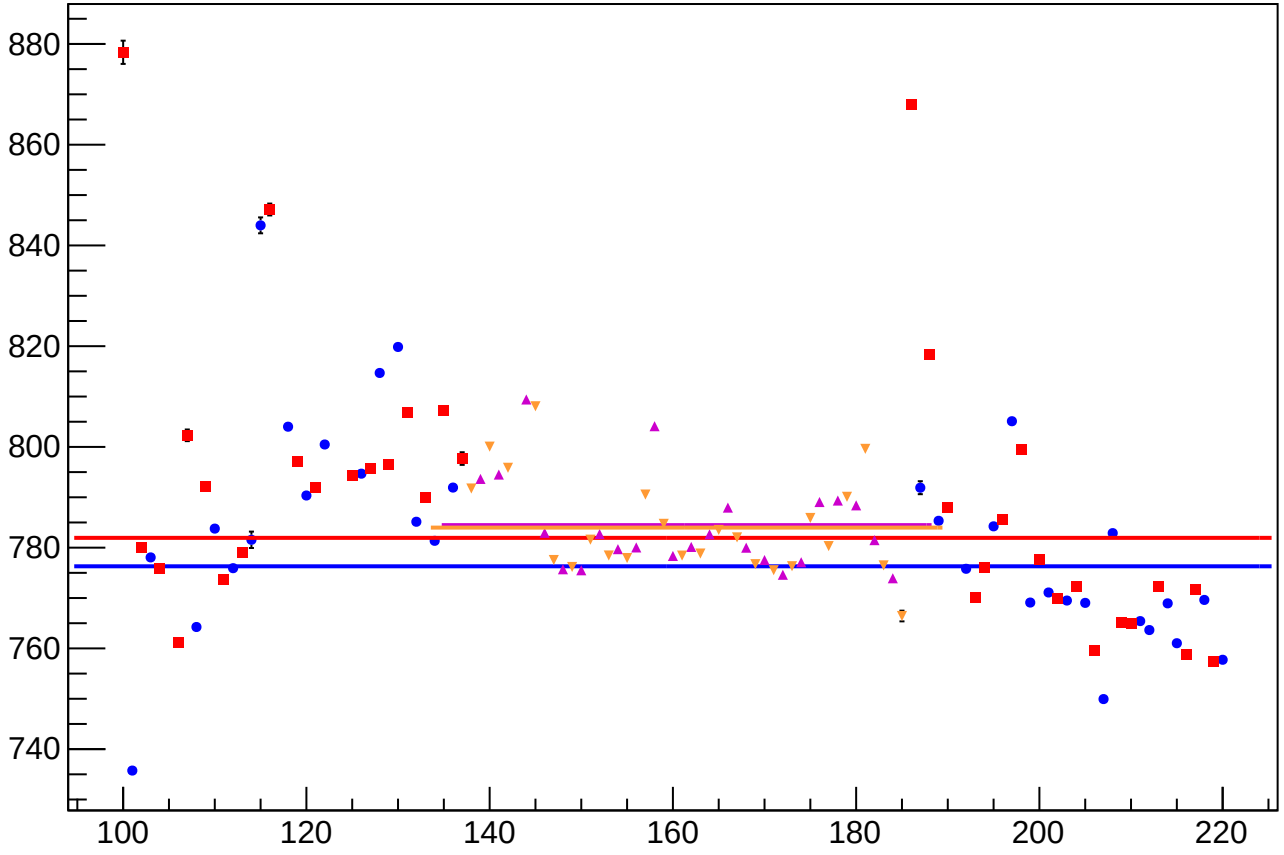
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2067.512+/-123.888 χ^2/NDF: 28.5/56

All: -12.473+/-87.863 χ^2/NDF: 650.0/114

- sign -2117.412+/-124.629 χ^2/NDF: 54.4/57

dit_asym_us_avg_rms vs Slug



Right In: 776.300+/-0.120 χ^2/NDF: 23230.3/32

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

Right Out: 781.946+/-0.120 χ^2/NDF: 30503.5/34

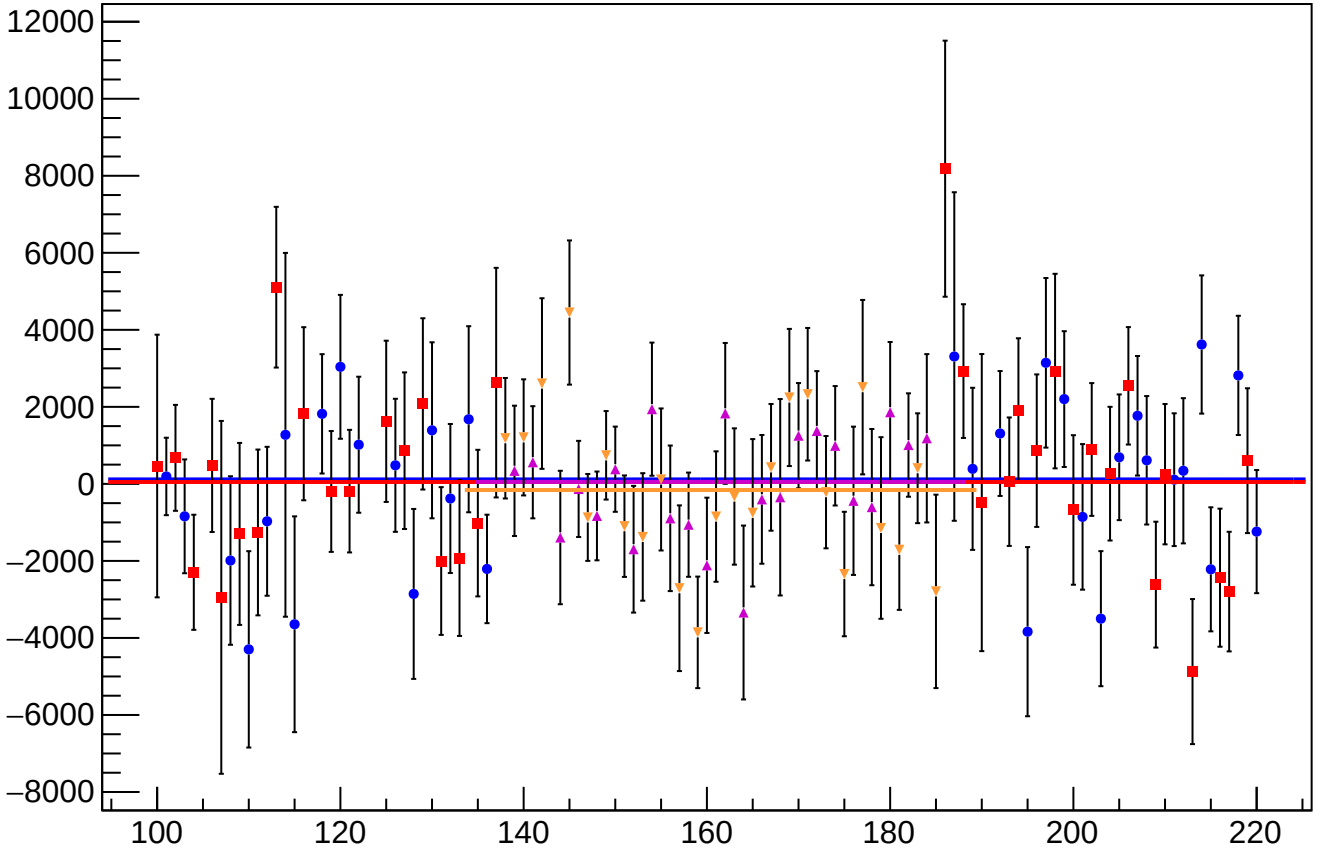
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 779.860+/-0.088 χ^2/NDF: 30070.5/56

All: 781.478+/-0.062 χ^2/NDF: 66392.4/114

- sign 783.116+/-0.088 χ^2/NDF: 35635.5/57

asym_us_avg_dit_correction_mean vs Slug



Right In: 116.022+/-312.761 χ^2/NDF: 39.0/32

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

Right Out: 49.802+/-324.020 χ^2/NDF: 44.3/34

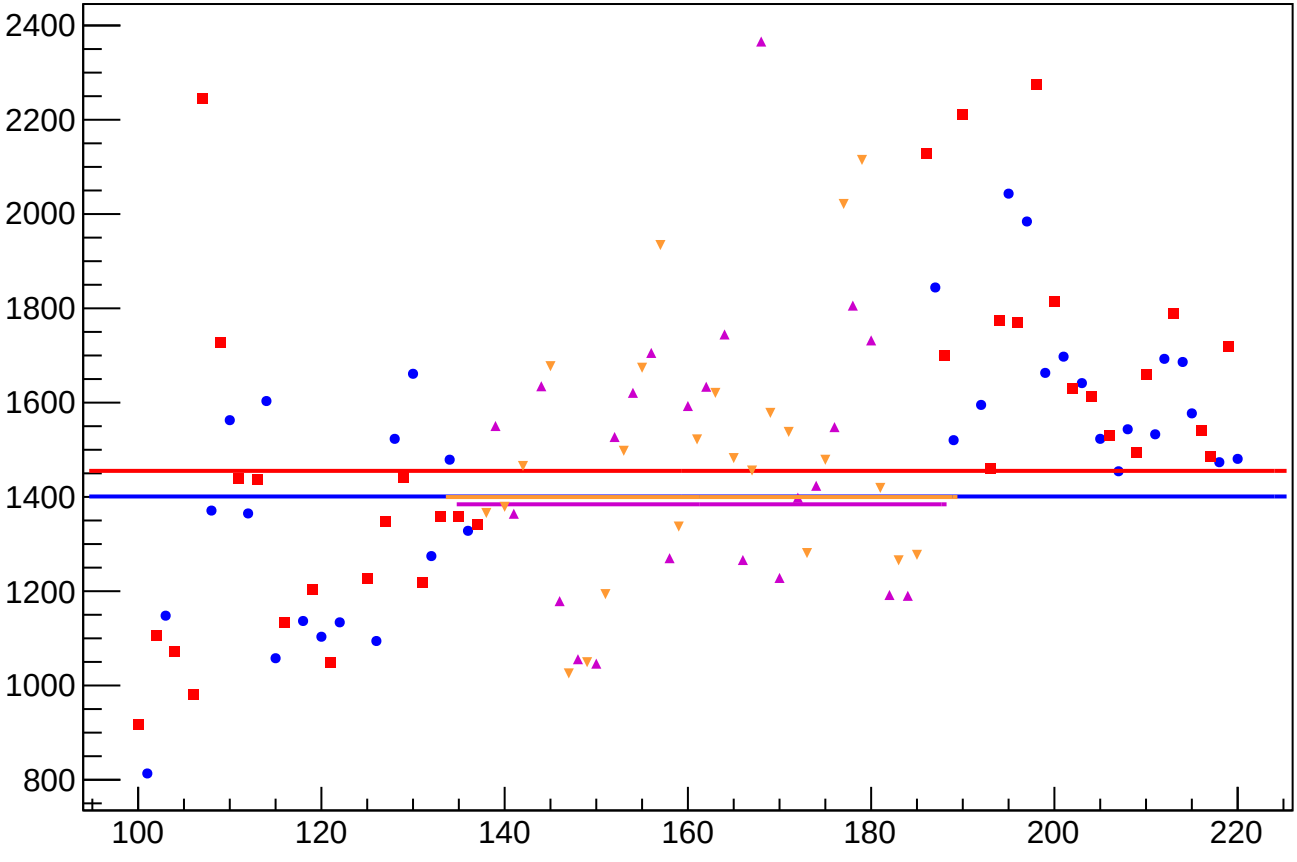
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -13.341+/-227.715 χ^2/NDF: 68.5/56

All: 18.266+/-162.262 χ^2/NDF: 126.3/114

- sign 50.868+/-231.273 χ^2/NDF: 57.7/57

asym_us_avg_dit_correction_rms vs Slug



Right In: 1400.931+/-0.221 χ^2/NDF: 1720918.8/32

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

Right Out: 1455.244+/-0.229 χ^2/NDF: 1604880.9/34

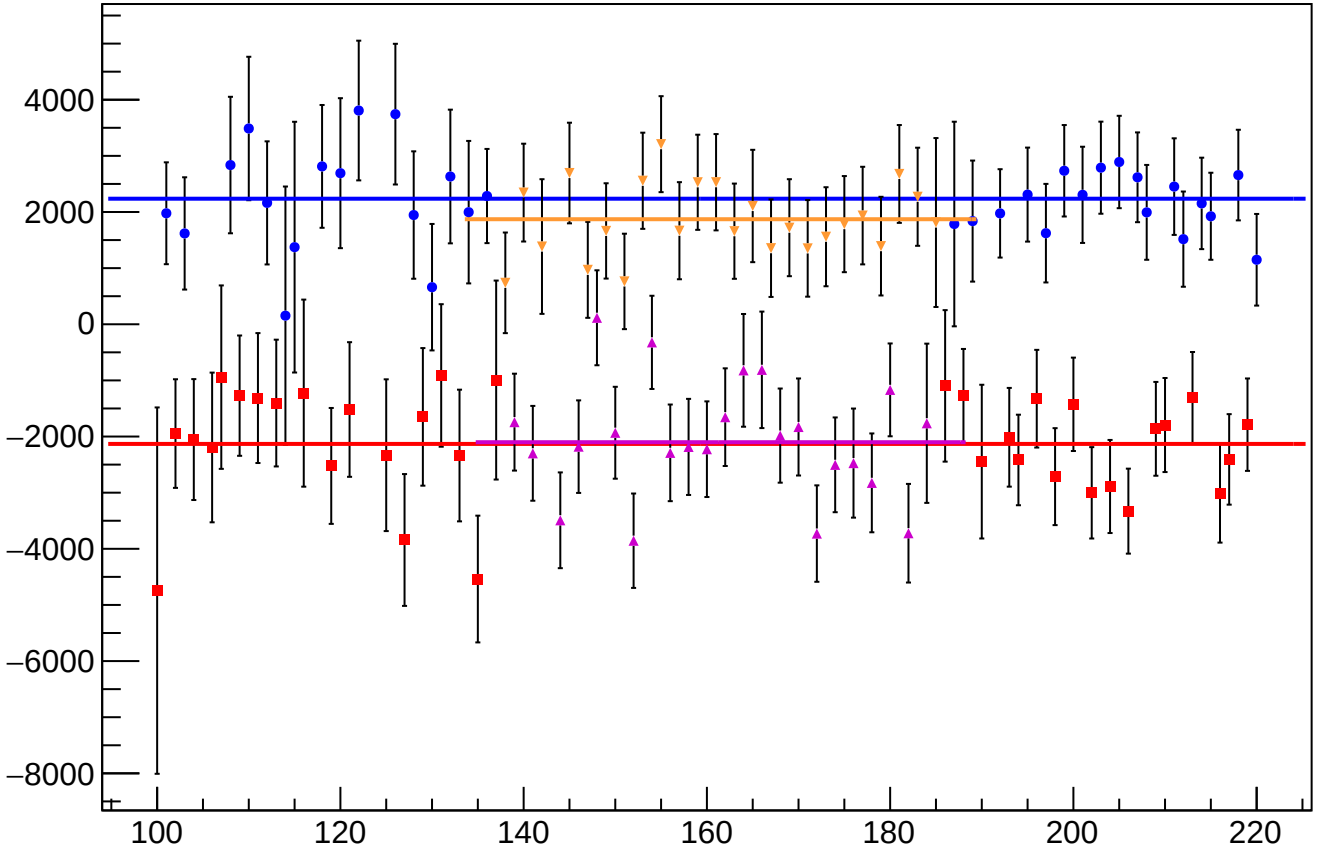
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1400.361+/-0.161 χ^2/NDF: 2857283.2/56

All: 1410.254+/-0.115 χ^2/NDF: 5786758.7/11

- sign 1420.459+/-0.164 χ^2/NDF: 2921806.0/57

eigen_dit_asym_us_avg_mean vs Slug



Right In: 2236.875+/-169.135 χ^2/NDF: 13.8/32

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

Right Out: -2131.518+/-170.055 χ^2/NDF: 22.6/34

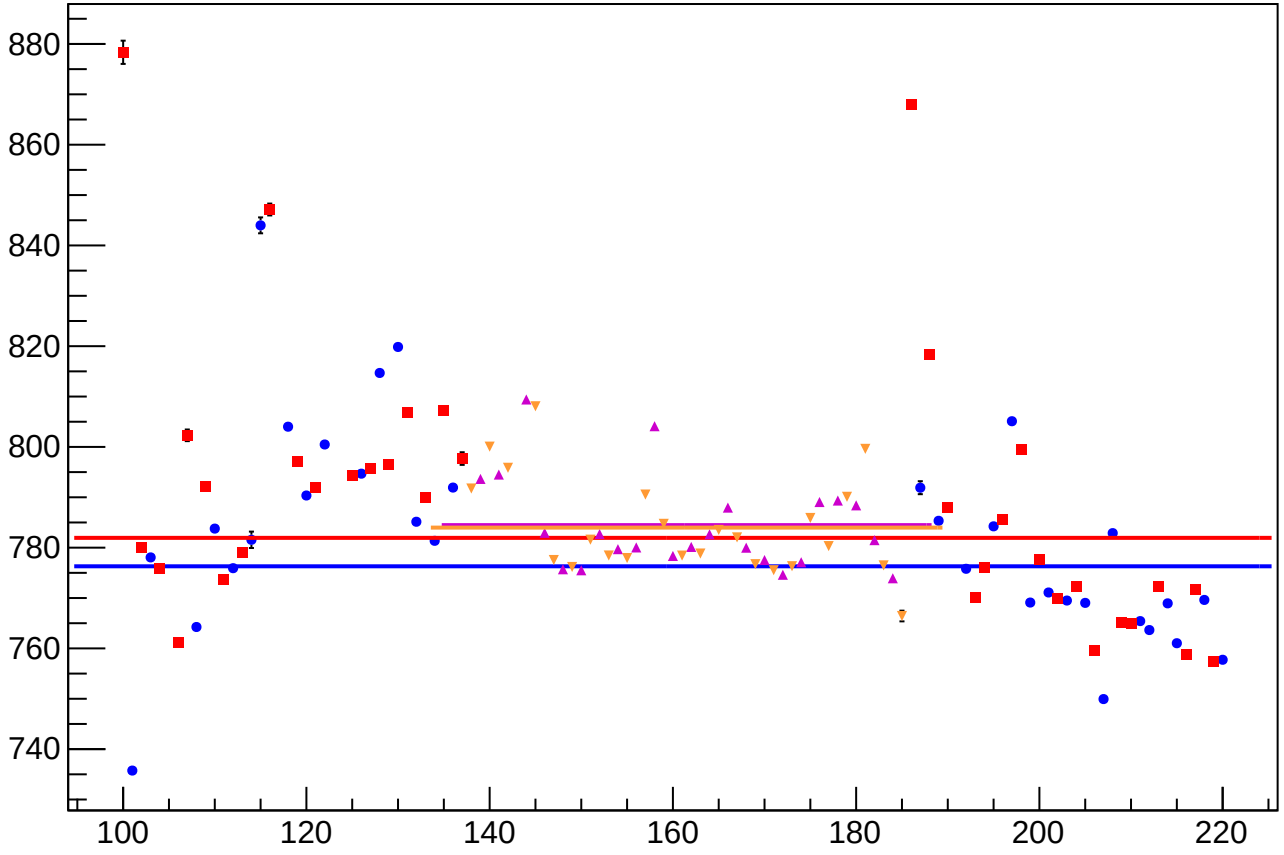
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2067.511+/-123.888 χ^2/NDF: 28.5/56

All: -12.475+/-87.863 χ^2/NDF: 650.0/114

- sign -2117.413+/-124.629 χ^2/NDF: 54.4/57

eigen_dit_asym_us_avg_rms vs Slug



Right In: 776.300+/-0.120 χ^2/NDF: 23230.2/32

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

Right Out: 781.946+/-0.120 χ^2/NDF: 30503.4/34

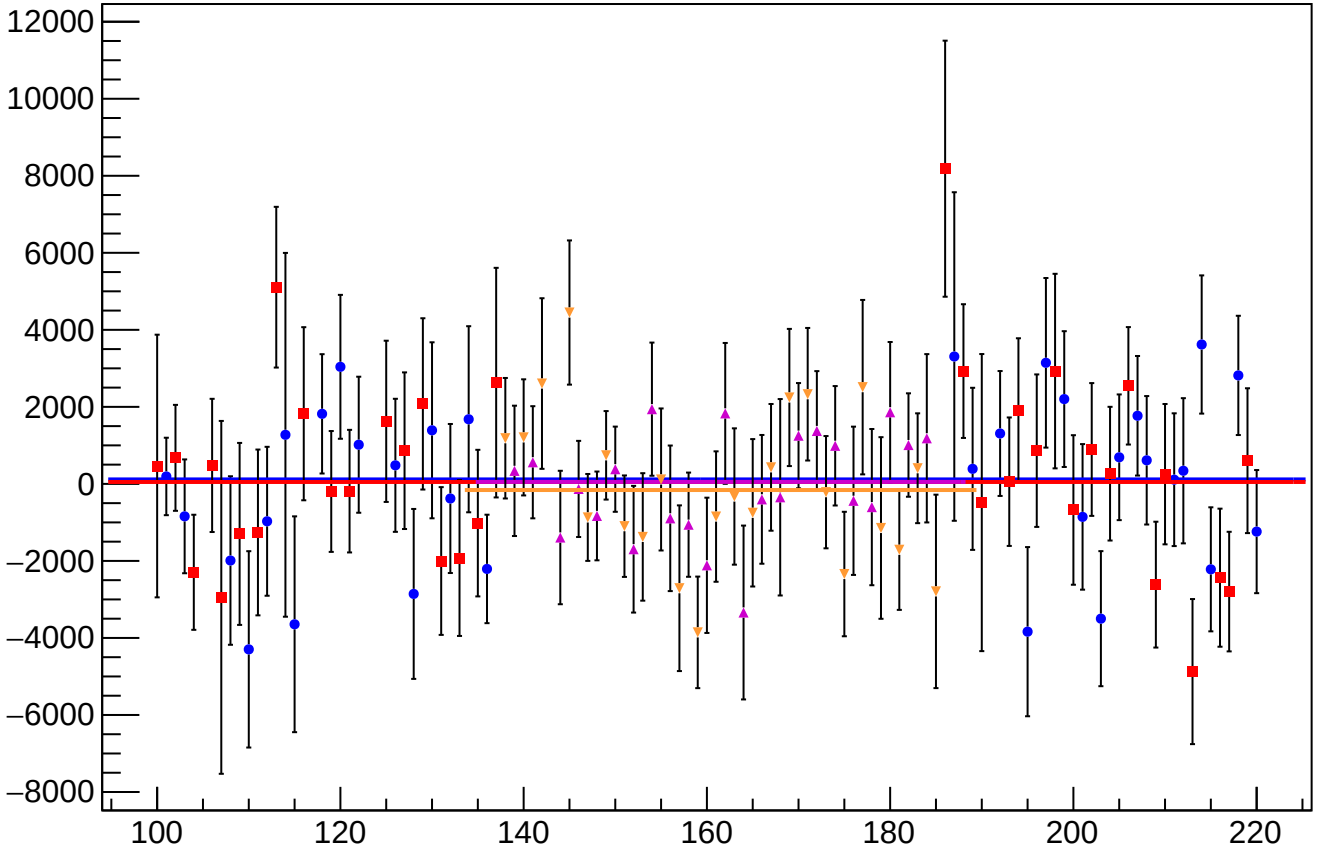
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 779.860+/-0.088 χ^2/NDF: 30070.4/56

All: 781.478+/-0.062 χ^2/NDF: 66392.2/114

- sign 783.116+/-0.088 χ^2/NDF: 35635.4/57

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: 116.021+/-312.761 χ^2/NDF: 39.0/32

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

Right Out: 49.800+/-324.019 χ^2/NDF: 44.3/34

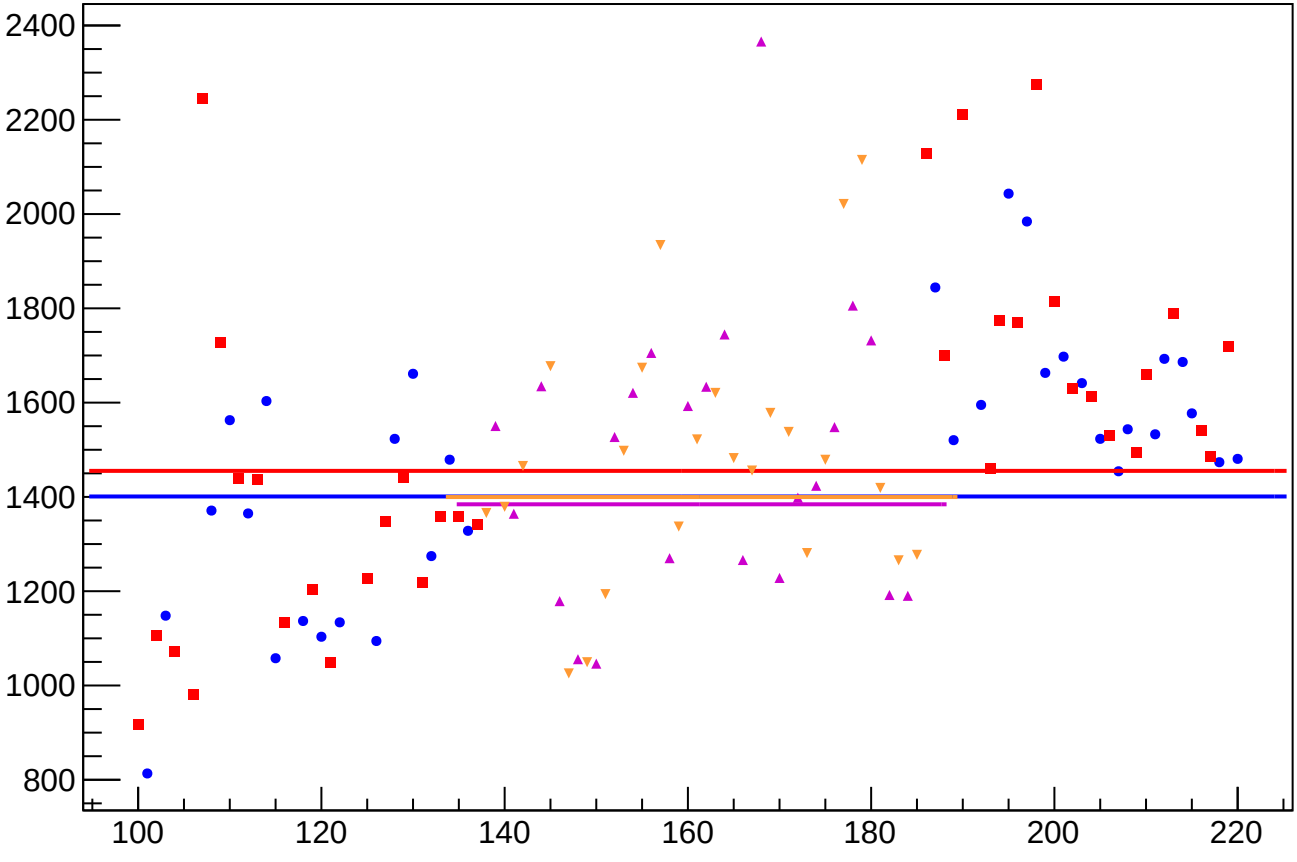
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

+ sign -13.342+/-227.715 χ^2/NDF: 68.5/56

All: 18.265+/-162.262 χ^2/NDF: 126.3/114

- sign 50.867+/-231.273 χ^2/NDF: 57.7/57

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1400.931+/-0.221 χ^2/NDF: 1720941.7/32

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

Right Out: 1455.243+/-0.229 χ^2/NDF: 1604903.1/34

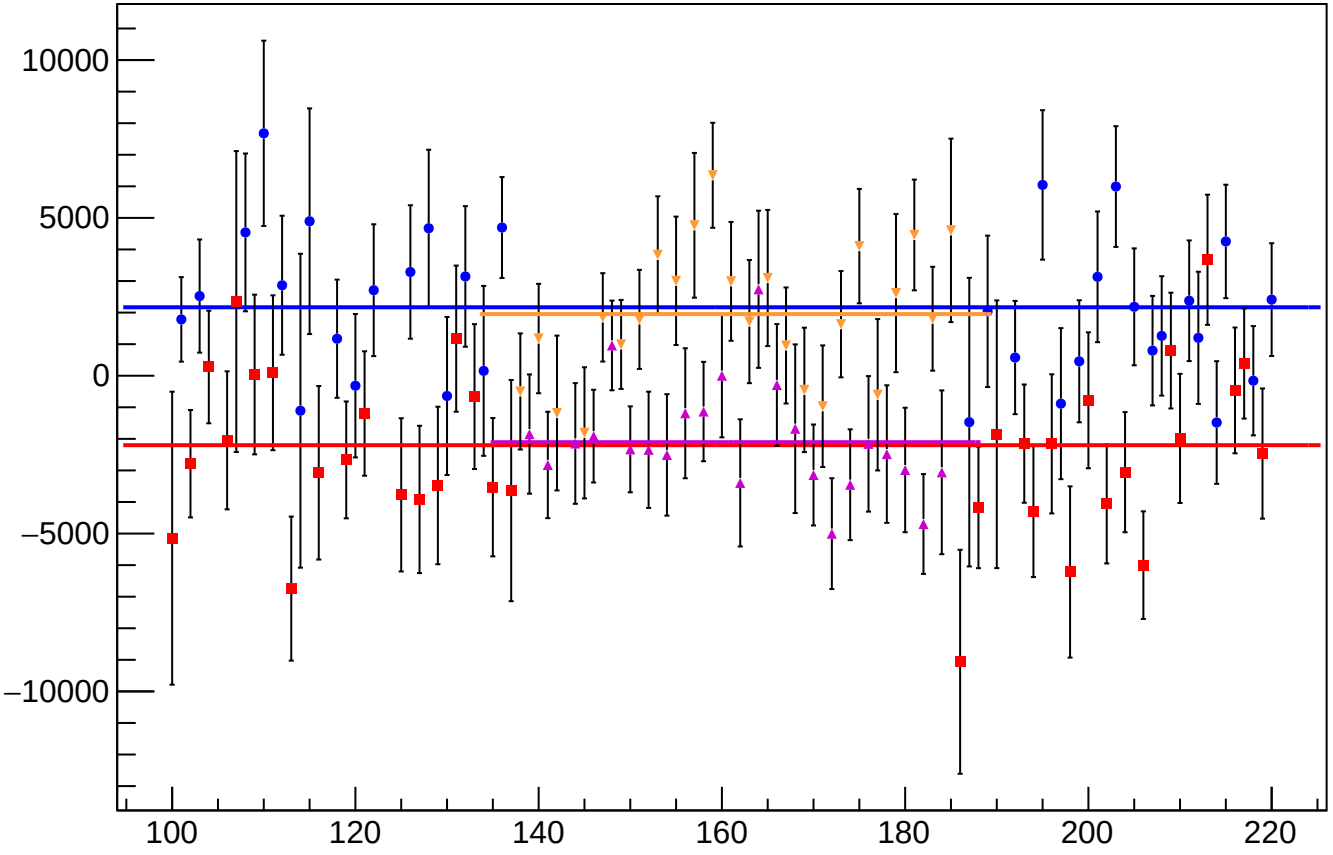
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1400.362+/-0.161 χ^2/NDF: 2857307.1/56

All: 1410.255+/-0.115 χ^2/NDF: 5786799.4/11

- sign 1420.460+/-0.164 χ^2/NDF: 2921823.1/57

asym_us_avg_mean vs Slug



Right In: 2168.576+/-359.417 χ^2/NDF: 31.5/32

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

Right Out: -2200.610+/-369.993 χ^2/NDF: 42.1/34

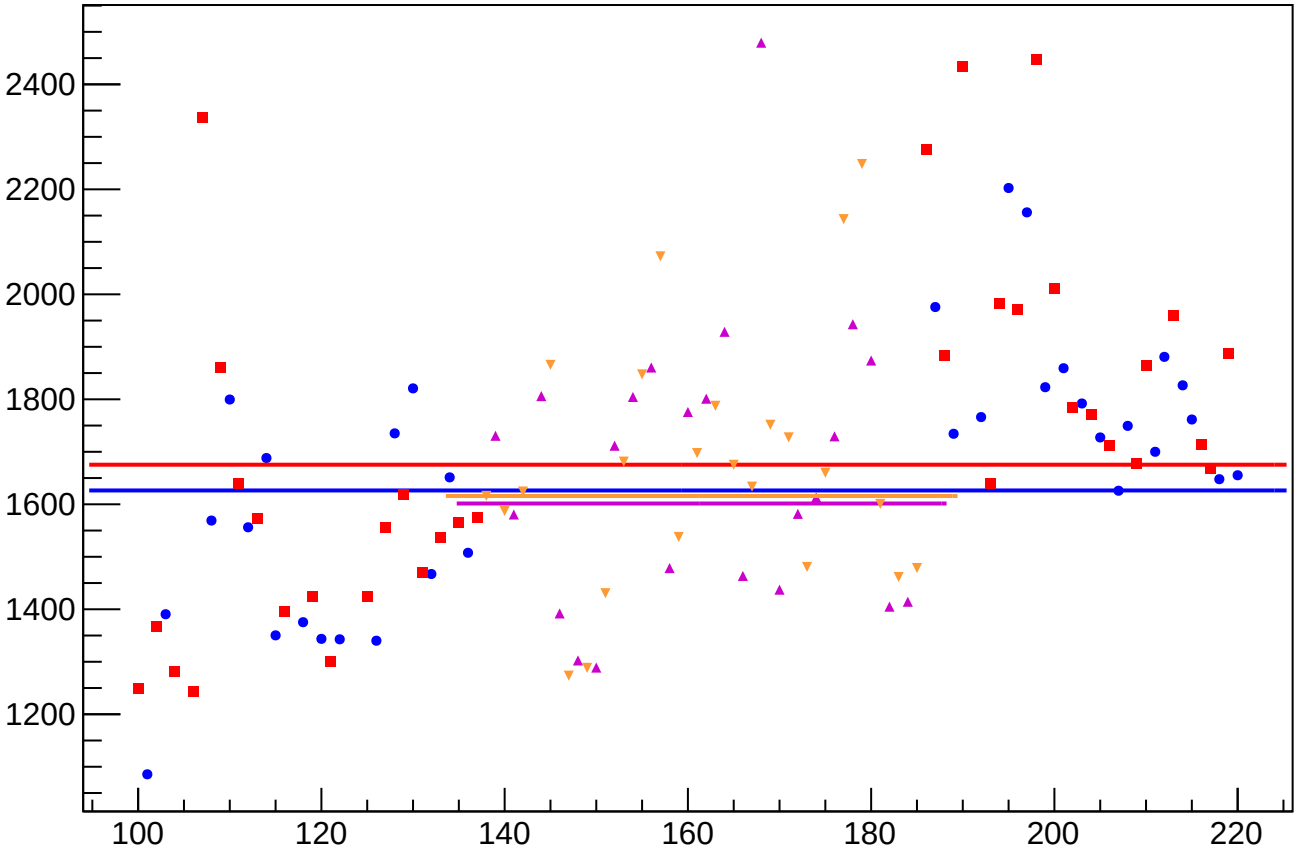
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2066.580+/-261.207 χ^2/NDF: 59.1/56

All: -15.207+/-185.948 χ^2/NDF: 248.6/114

- sign -2154.163+/-264.769 χ^2/NDF: 60.7/57

asym_us_avg_rms vs Slug



Right In: 1626.365+/-0.254 χ^2/NDF: 946434.3/32

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

Right Out: 1675.423+/-0.262 χ^2/NDF: 1022581.0/34

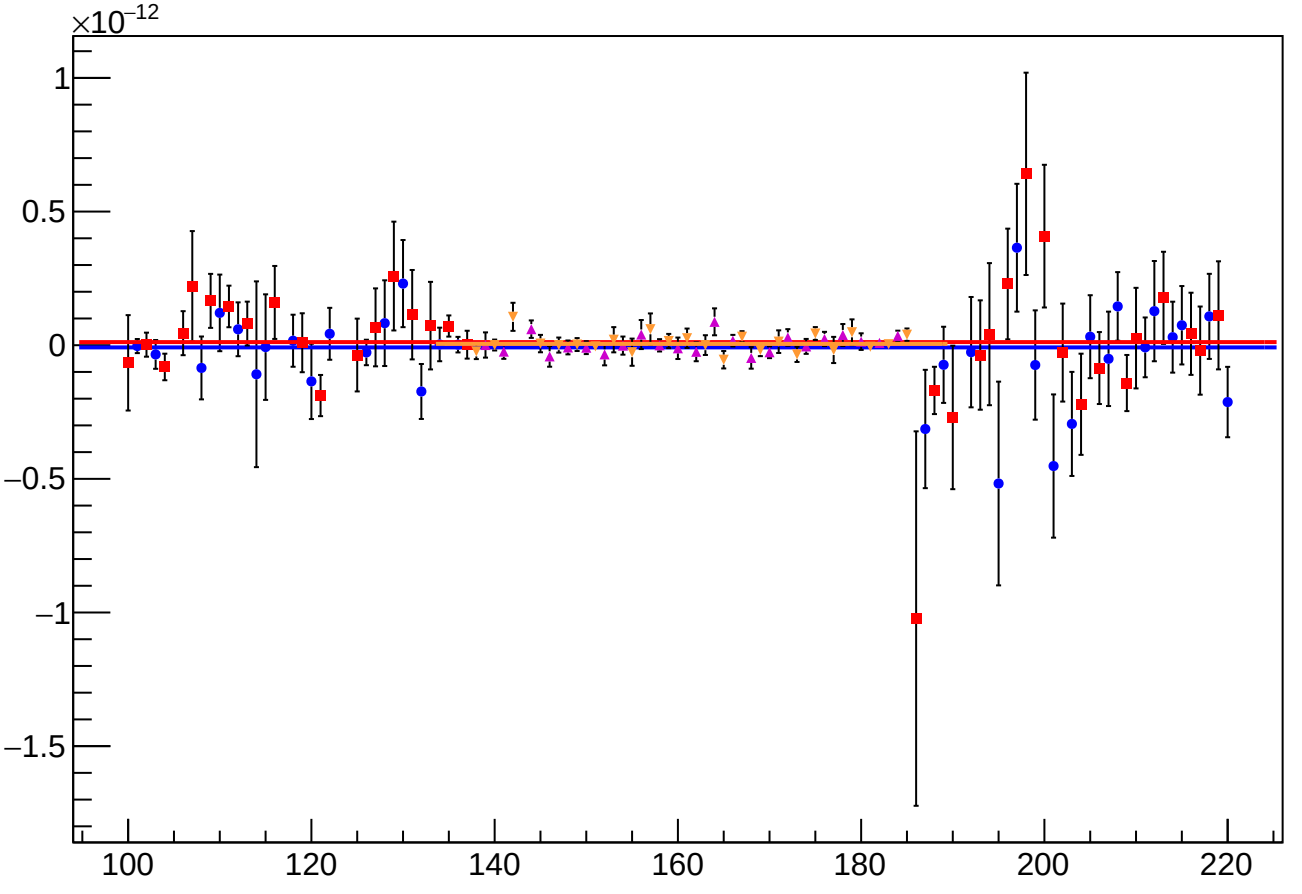
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1621.406+/-0.185 χ^2/NDF: 1641594.8/56

All: 1630.258+/-0.131 χ^2/NDF: 3501512.5/11

- sign 1639.353+/-0.187 χ^2/NDF: 1855260.4/57

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/32

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

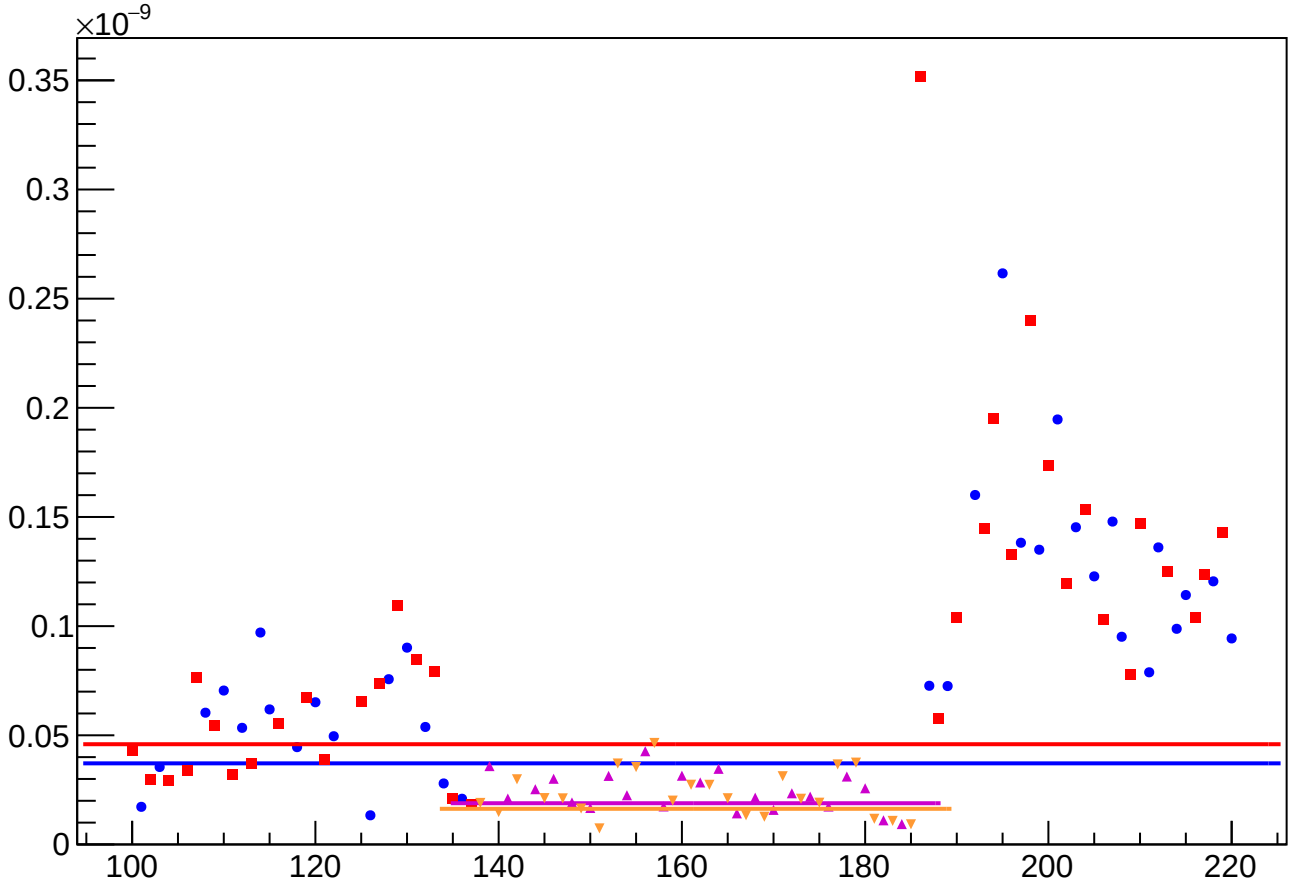
Right Out: 0.000+/-0.000 χ^2/NDF: 42.5/34

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

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/56

All: 0.000+/-0.000 χ^2/NDF: 109.2/114

- sign 0.000+/-0.000 χ^2/NDF: 62.0/57



Right In: 0.000+/-0.000 χ^2/NDF: 11383943.9/32

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

Right Out: 0.000+/-0.000 χ^2/NDF: 9257657.1/34

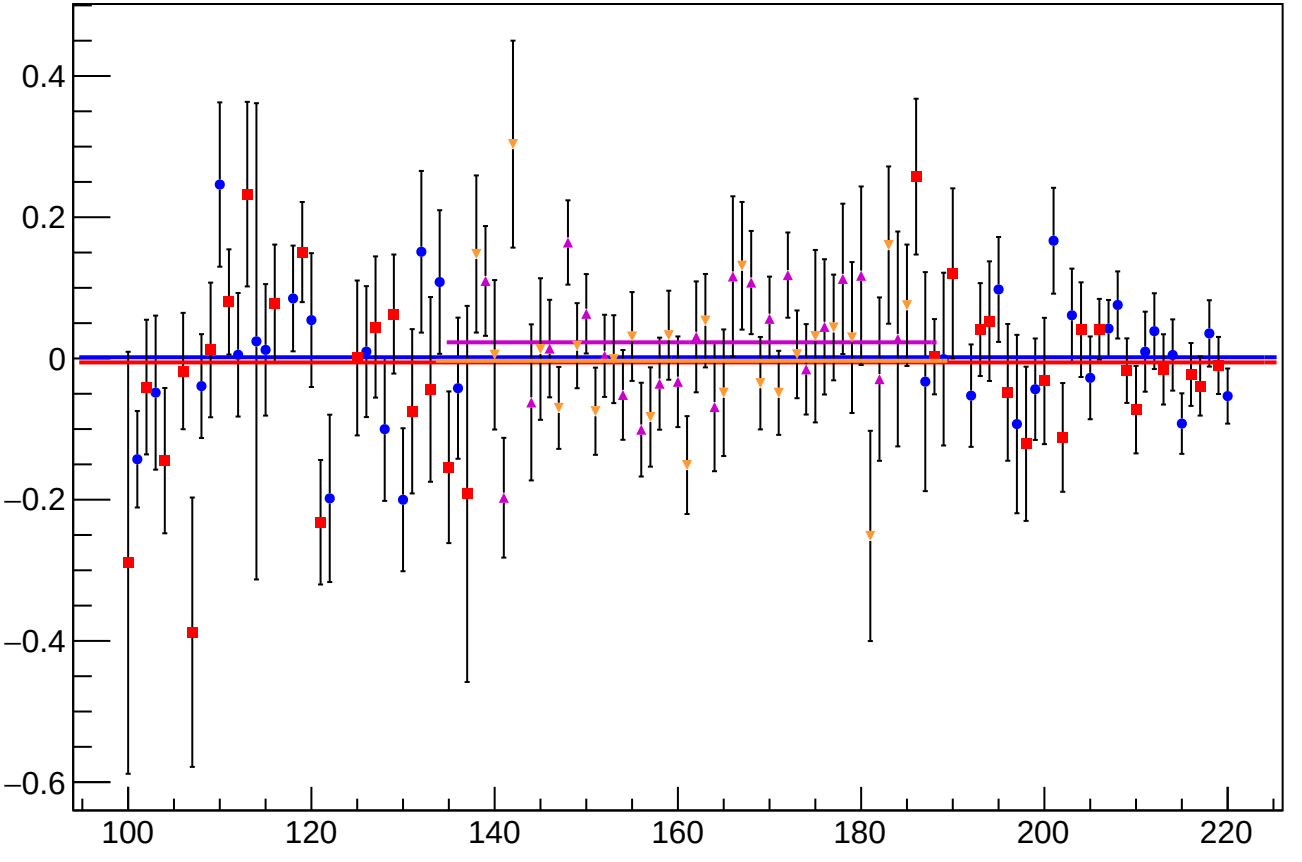
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 19425110.1/56

All: 0.000+/-0.000 χ^2/NDF: 36966293.6/114

- sign 0.000+/-0.000 χ^2/NDF: 17228551.4/57

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.012 χ^2/NDF: 42.2/32

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

Right Out: -0.006+/-0.012 χ^2/NDF: 42.6/34

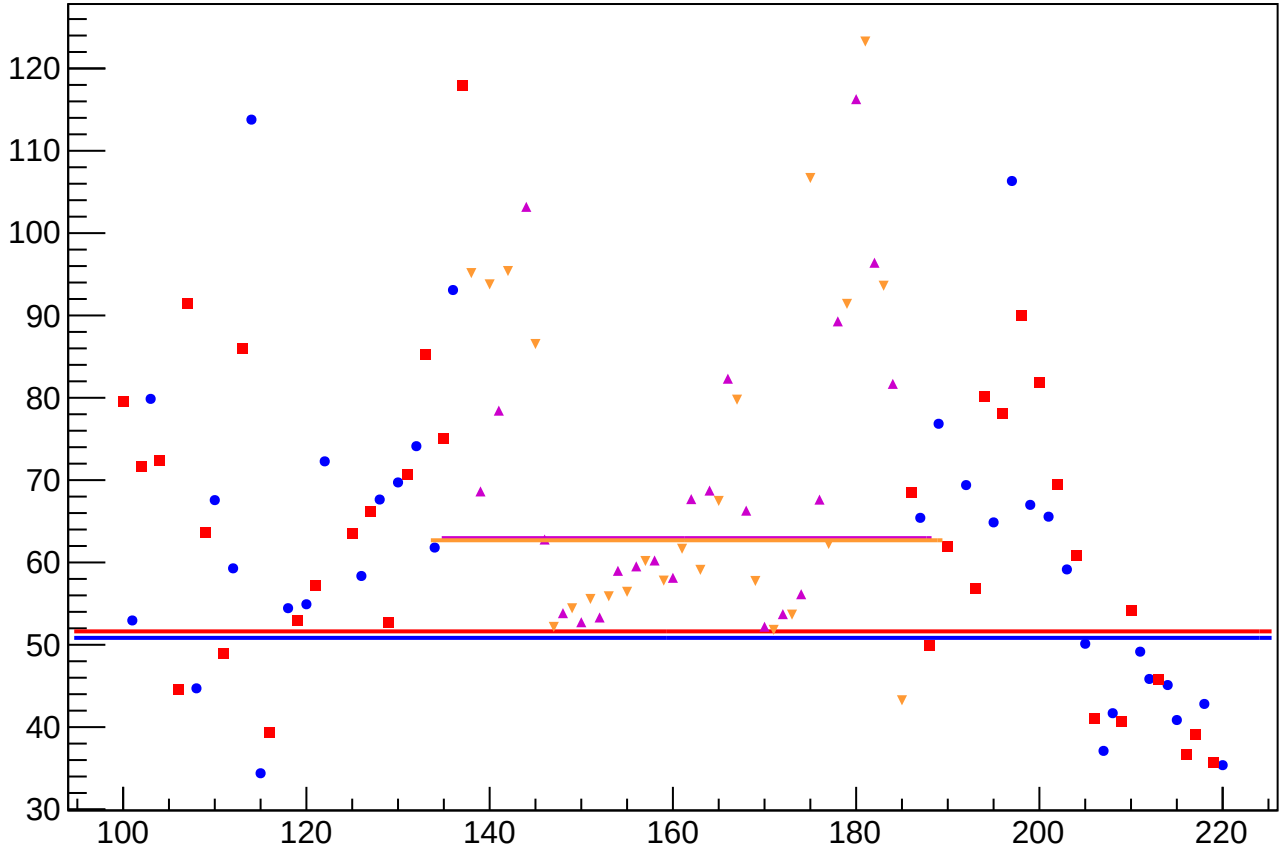
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

\+ sign -0.000+/-0.009 χ^2/NDF: 68.1/56

All: 0.003+/-0.007 χ^2/NDF: 141.9/114

\- sign 0.005+/-0.010 χ^2/NDF: 73.6/57

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.841+/-0.008 χ^2/NDF: 2759592.3/32

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

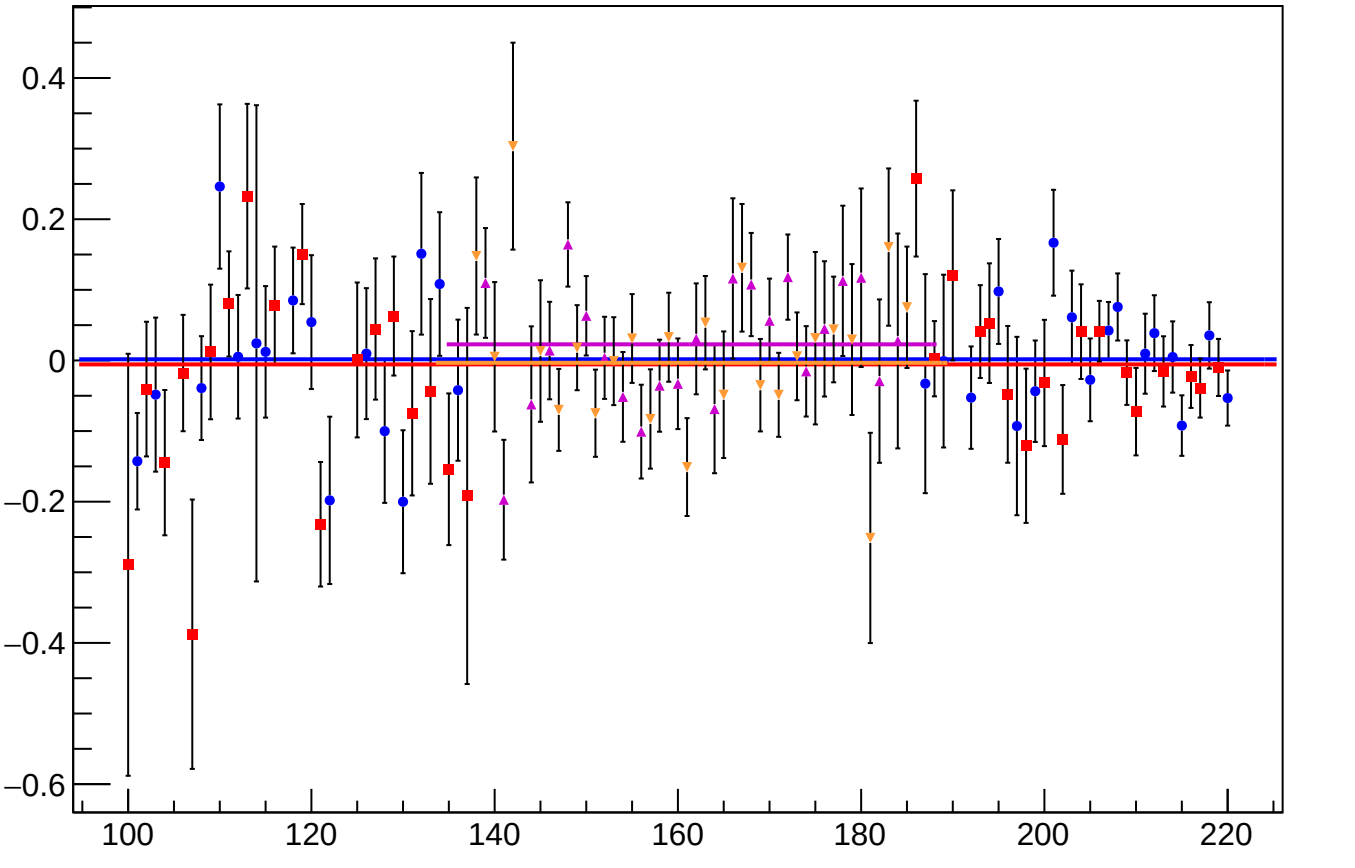
Right Out: 51.629+/-0.009 χ^2/NDF: 3042671.1/34

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

\+ sign 55.285+/-0.007 χ^2/NDF: 5431024.2/56

All: 55.621+/-0.005 χ^2/NDF: 10569005.2/114

\- sign 55.964+/-0.007 χ^2/NDF: 5132917.6/57



Right In: 0.002+/-0.012 χ^2/NDF: 42.2/32

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

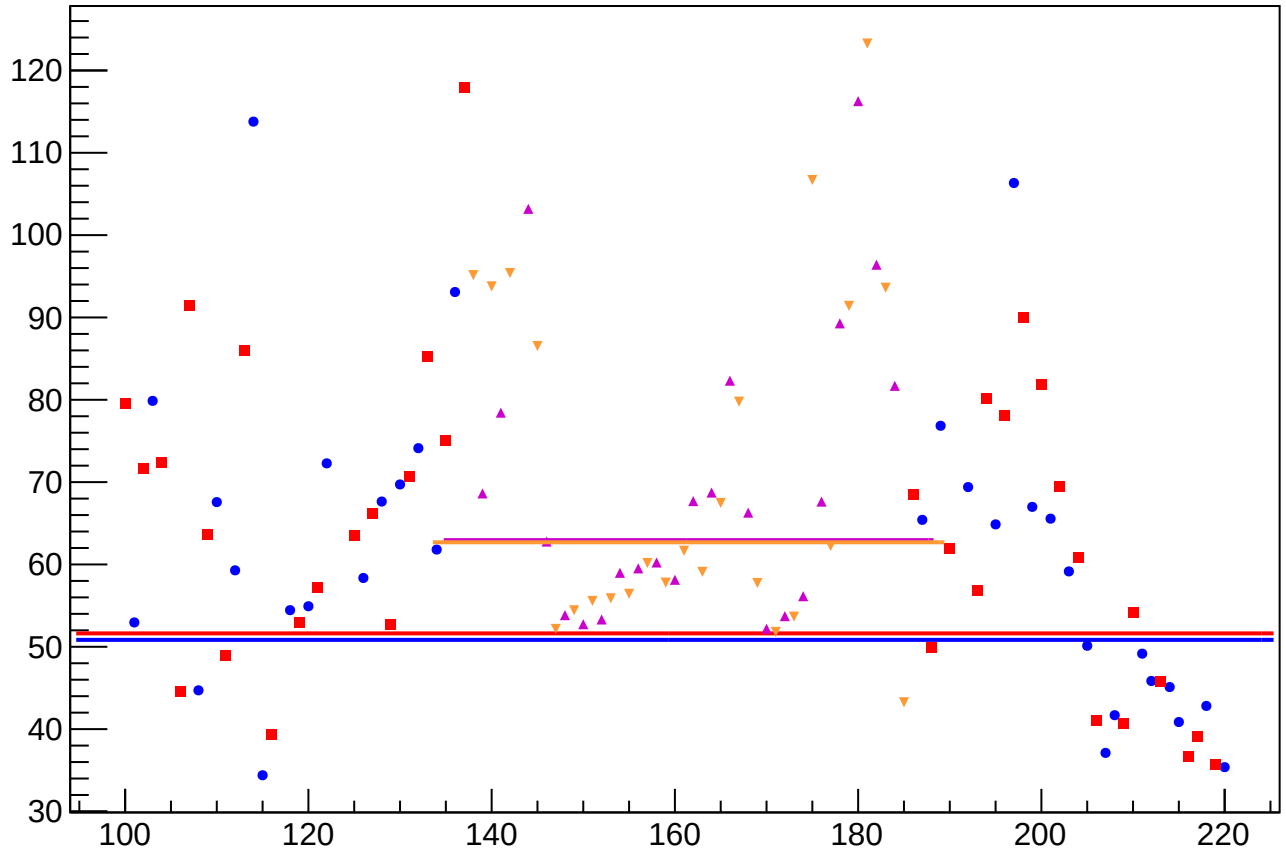
Right Out: -0.006+/-0.012 χ^2/NDF: 42.6/34

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

\+ sign -0.000+/-0.009 χ^2/NDF: 68.1/56

All: 0.003+/-0.007 χ^2/NDF: 141.9/114

\- sign 0.005+/-0.010 χ^2/NDF: 73.6/57



Right In: 50.841+/-0.008 χ^2/NDF: 2759592.3/32

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

Right Out: 51.629+/-0.009 χ^2/NDF: 3042671.1/34

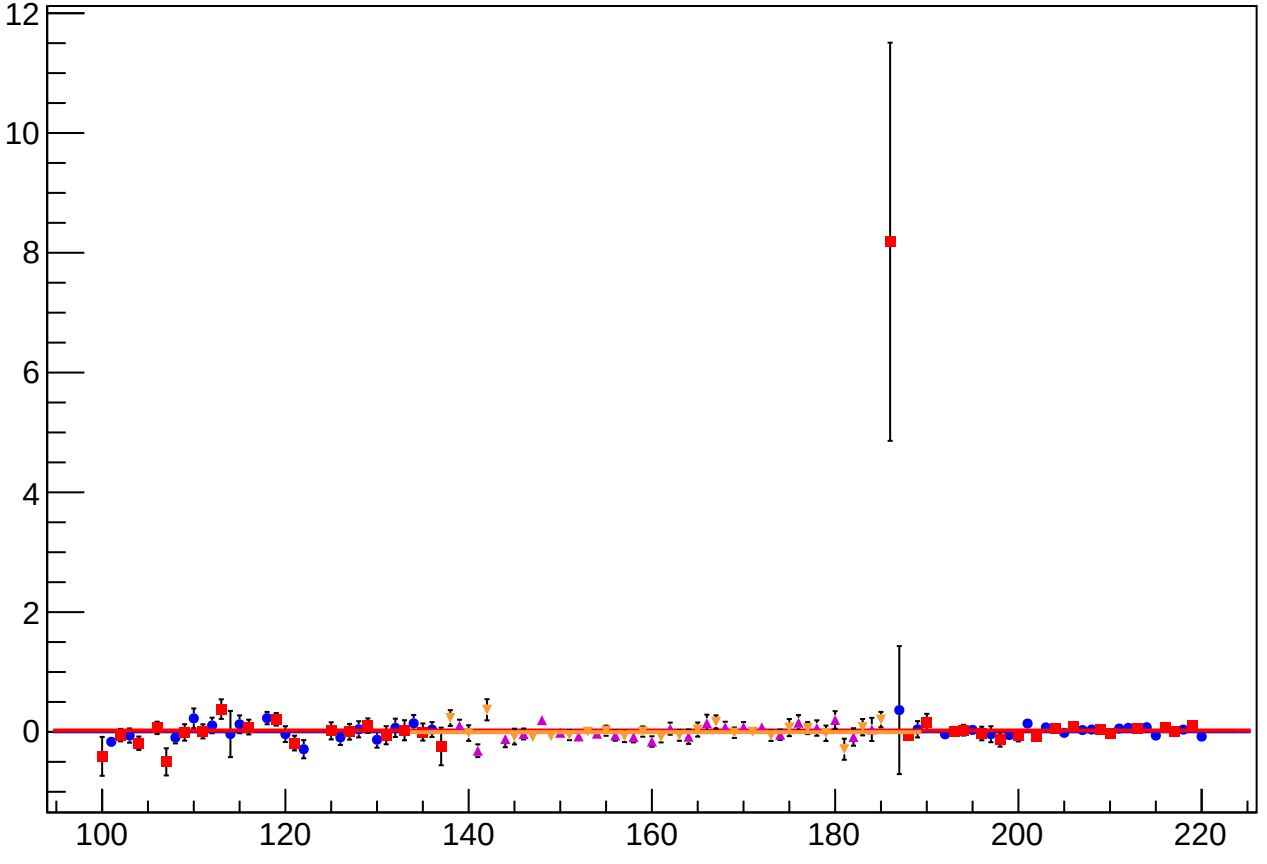
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 55.285+/-0.007 χ^2/NDF: 5431024.2/56

All: 55.621+/-0.005 χ^2/NDF: 10569005.2/114

- sign 55.964+/-0.007 χ^2/NDF: 5132917.6/57

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.010+/-0.015 χ^2/NDF: 32.3/32

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

Right Out: 0.024+/-0.016 χ^2/NDF: 42.7/34

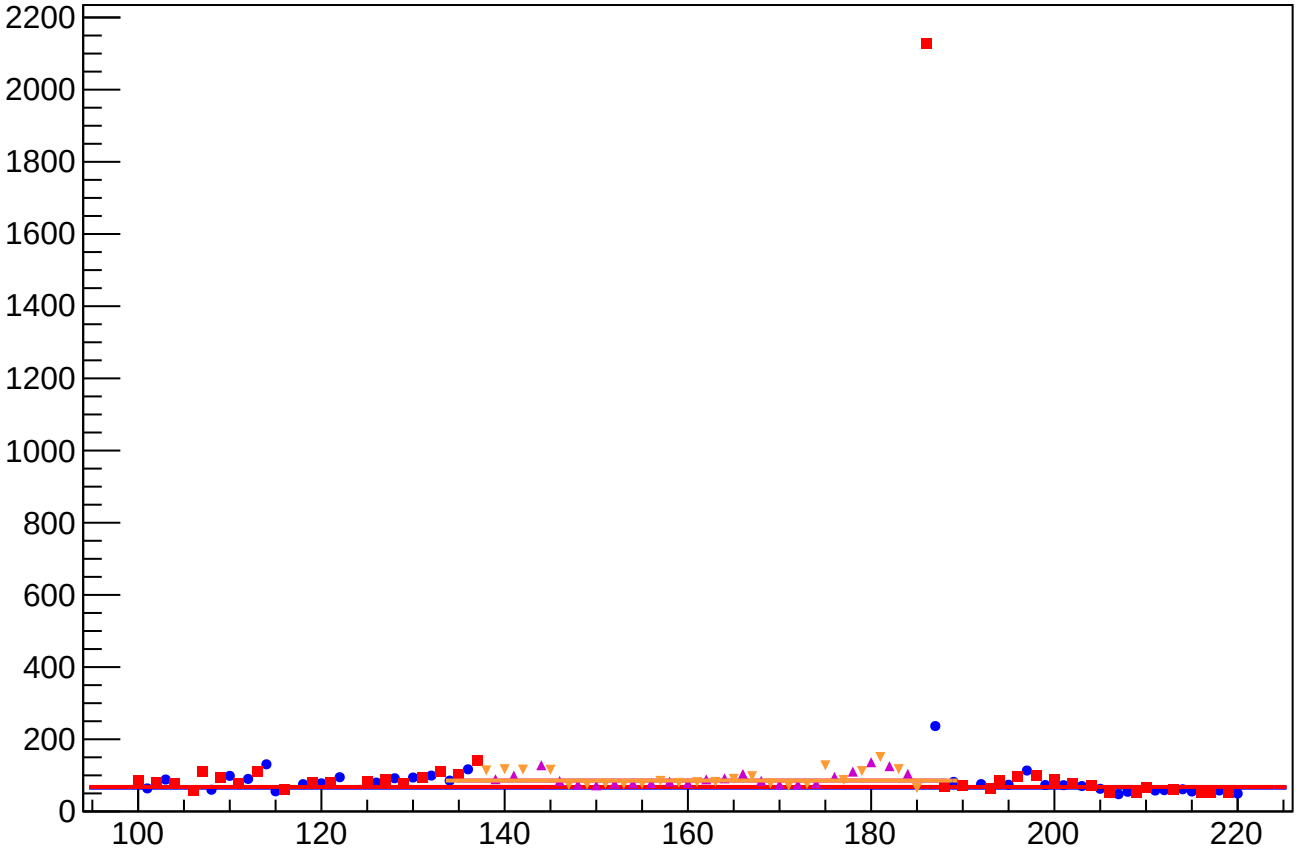
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.005+/-0.012 χ^2/NDF: 54.0/56

All: 0.009+/-0.009 χ^2/NDF: 128.5/114

- sign 0.014+/-0.013 χ^2/NDF: 74.2/57

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.812+/-0.011 χ^2/NDF: 2137843.1/32

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

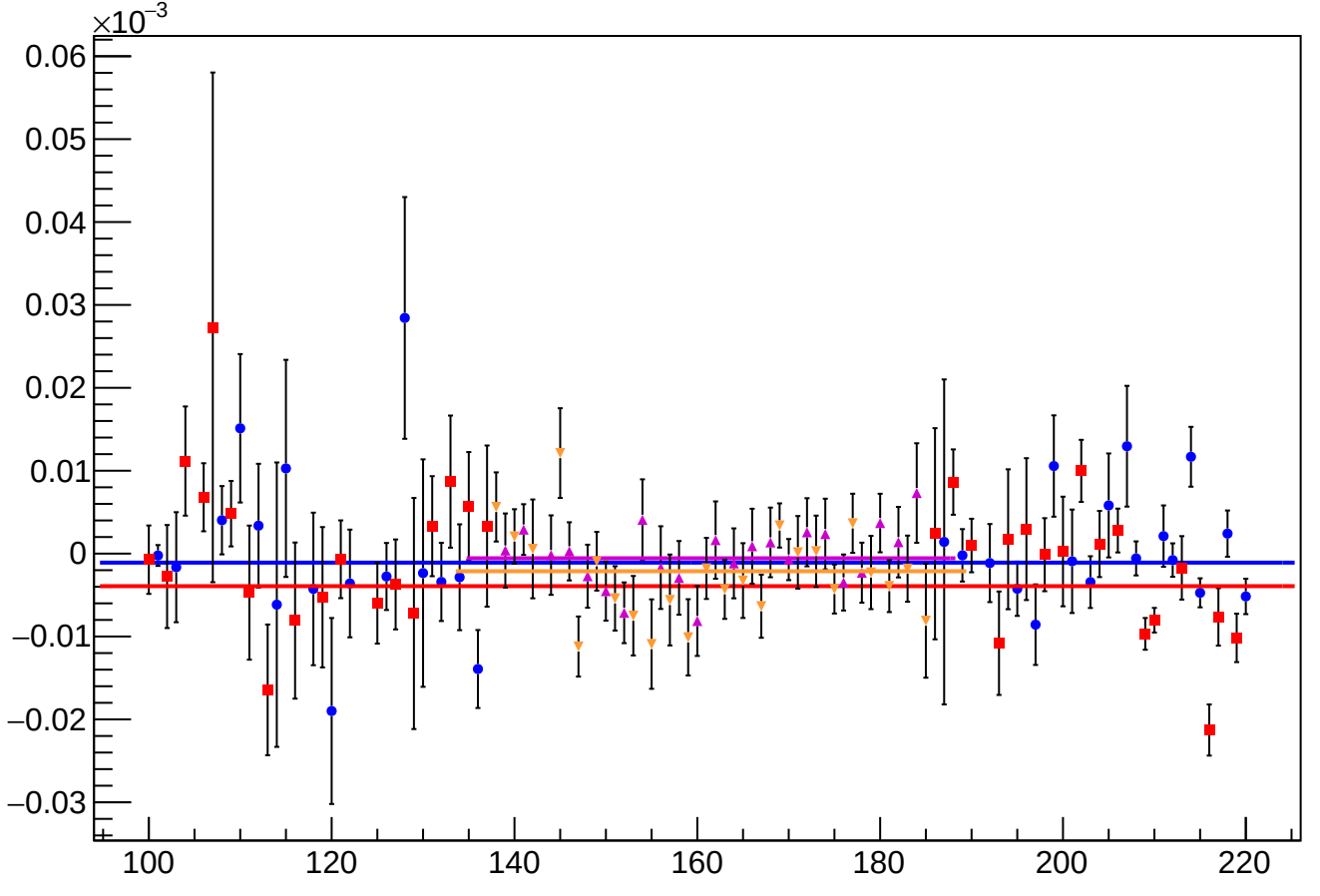
Right Out: 67.918+/-0.011 χ^2/NDF: 2855686.2/34

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

+ sign 72.793+/-0.009 χ^2/NDF: 4683301.6/56

All: 73.599+/-0.006 χ^2/NDF: 9486044.2/114

- sign 74.441+/-0.009 χ^2/NDF: 4785066.4/57



Right In: -0.000+/-0.000 χ^2/NDF: 56.8/32

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

Right Out: -0.000+/-0.000 χ^2/NDF: 121.2/34

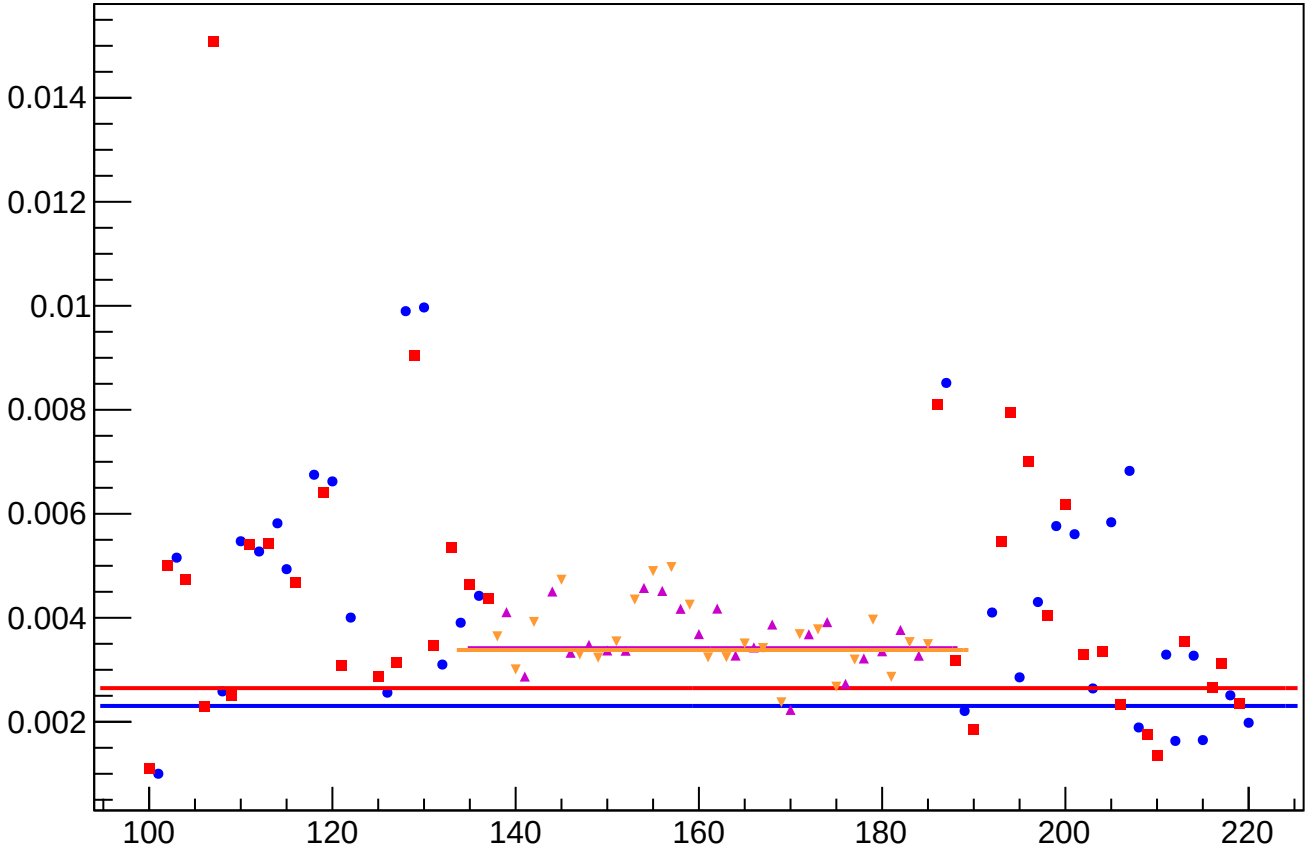
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 95.3/56

All: -0.000+/-0.000 χ^2/NDF: 245.5/114

- sign -0.000+/-0.000 χ^2/NDF: 147.9/57

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 10369444.6/32

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

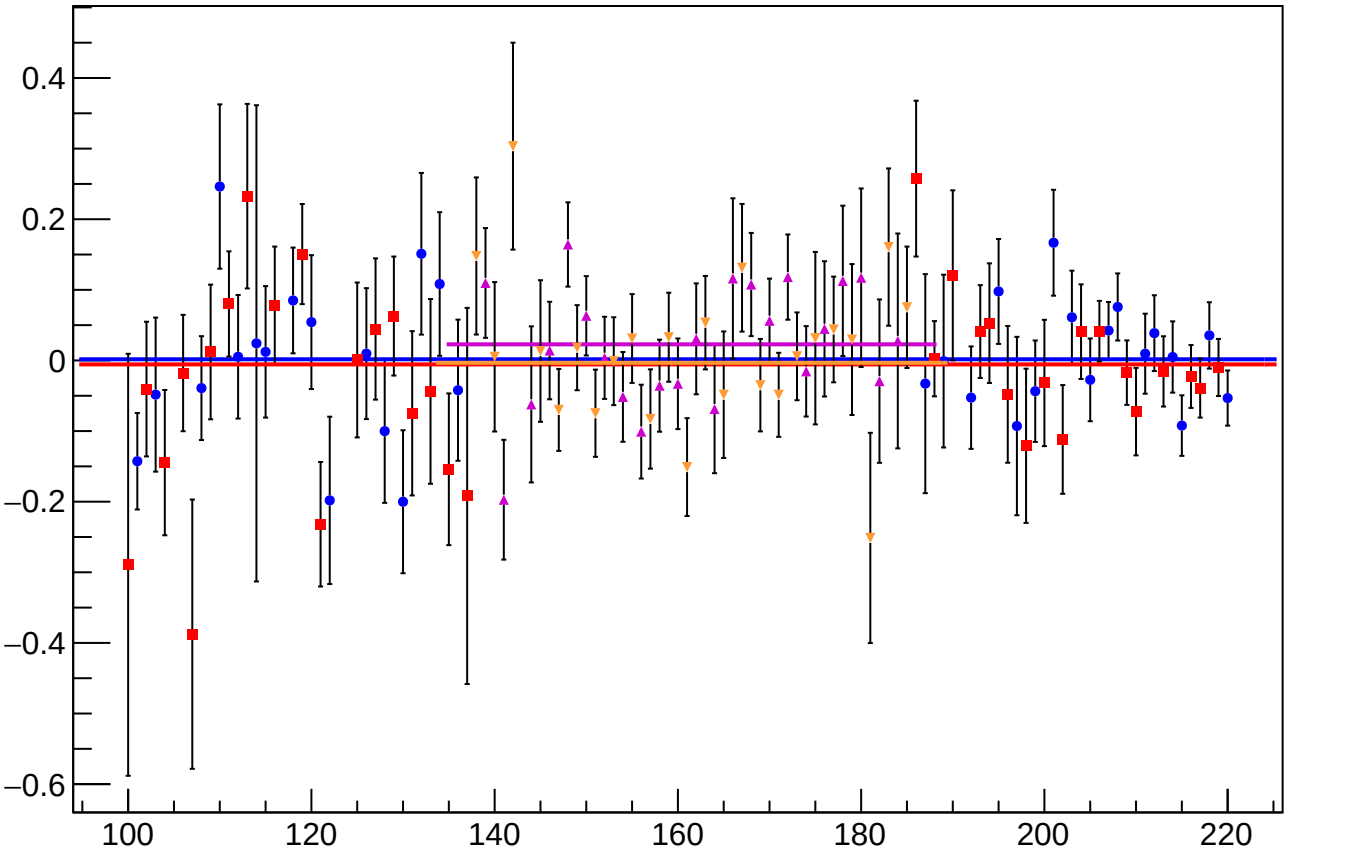
Right Out: 0.003+/-0.000 χ^2/NDF: 8351839.3/34

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

+ sign 0.003+/-0.000 χ^2/NDF: 13855980.3/56

All: 0.003+/-0.000 χ^2/NDF: 24723192.1/114

- sign 0.003+/-0.000 χ^2/NDF: 10570225.8/57



Right In: 0.002+/-0.012 χ^2/NDF: 42.2/32

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

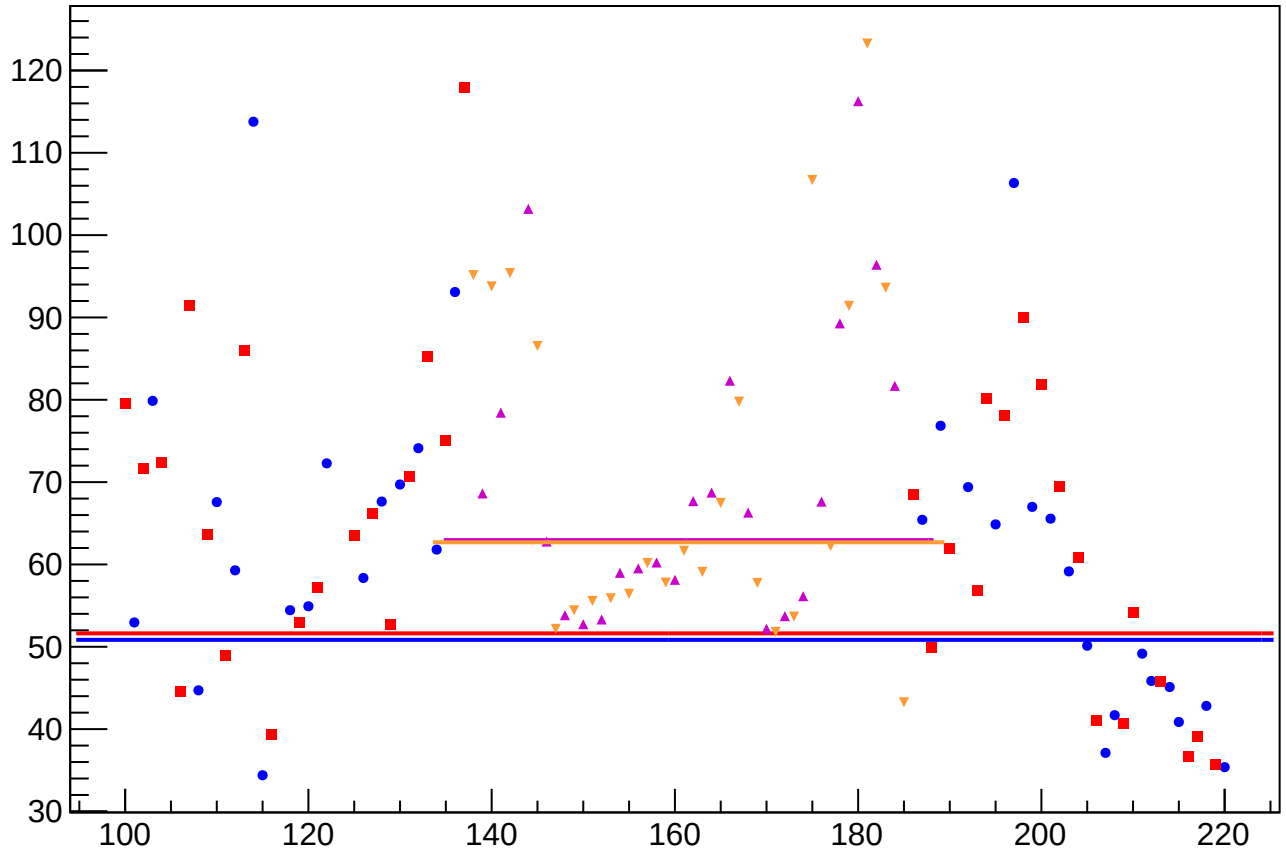
Right Out: -0.006+/-0.012 χ^2/NDF: 42.6/34

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

\+ sign -0.000+/-0.009 χ^2/NDF: 68.1/56

All: 0.003+/-0.007 χ^2/NDF: 141.9/114

\- sign 0.005+/-0.010 χ^2/NDF: 73.6/57



Right In: 50.841+/-0.008 χ^2/NDF: 2759386.5/32

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

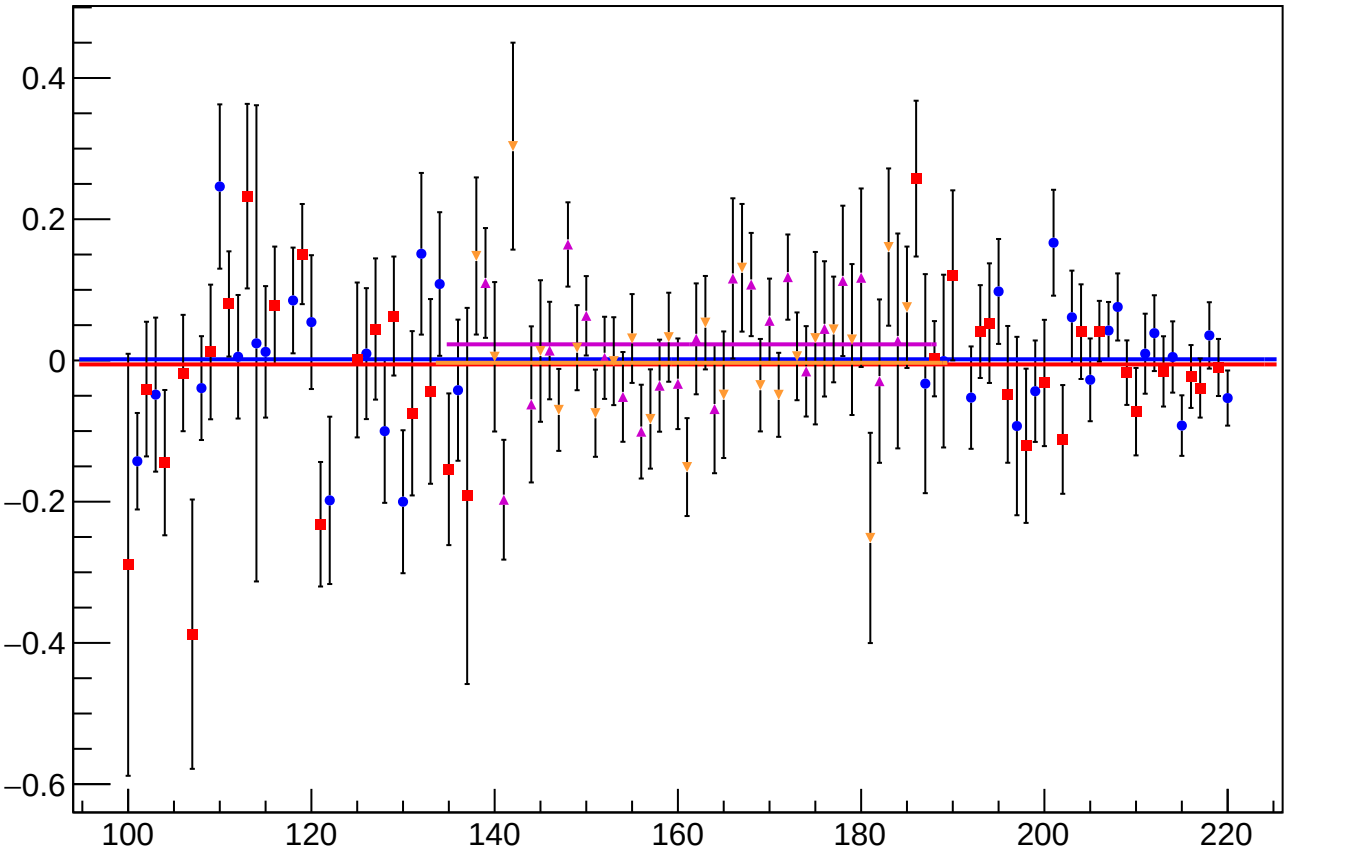
Right Out: 51.629+/-0.009 χ^2/NDF: 3042450.1/34

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

+ sign 55.286+/-0.007 χ^2/NDF: 5430785.8/56

All: 55.621+/-0.005 χ^2/NDF: 10568561.6/114

- sign 55.964+/-0.007 χ^2/NDF: 5132718.9/57



Right In: 0.002+/-0.012 χ^2/NDF: 42.2/32

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

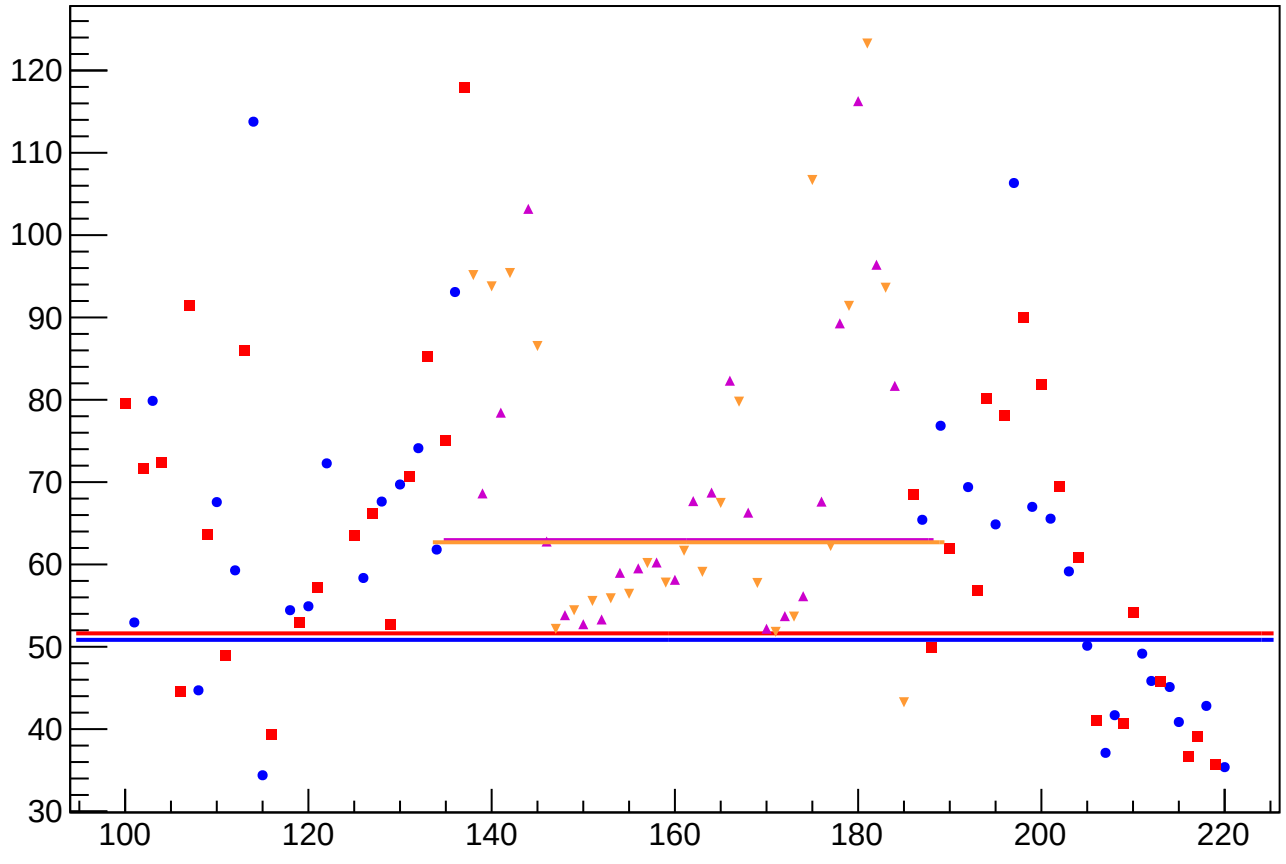
Right Out: -0.006+/-0.012 χ^2/NDF: 42.6/34

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

+ sign -0.000+/-0.009 χ^2/NDF: 68.1/56

All: 0.003+/-0.007 χ^2/NDF: 141.9/114

- sign 0.005+/-0.010 χ^2/NDF: 73.6/57



Right In: 50.841+/-0.008 χ^2/NDF: 2759386.5/32

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

Right Out: 51.629+/-0.009 χ^2/NDF: 3042450.1/34

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

+ sign 55.286+/-0.007 χ^2/NDF: 5430785.8/56

All: 55.621+/-0.005 χ^2/NDF: 10568561.6/114

- sign 55.964+/-0.007 χ^2/NDF: 5132718.9/57

Right In: 0.010+/-0.015 χ^2/NDF: 32.3/32

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

Right Out: 0.024+/-0.016 χ^2/NDF: 42.7/34

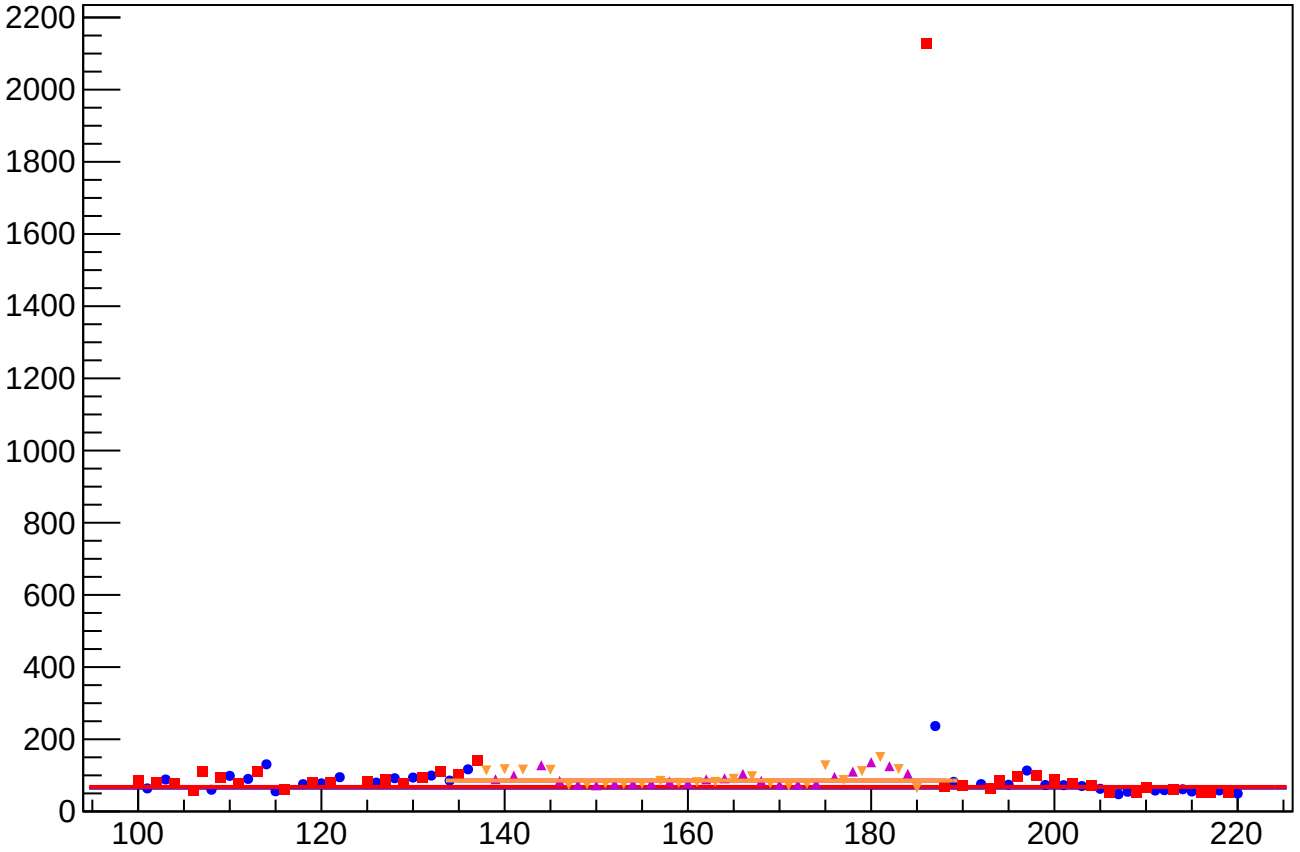
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign 0.005+/-0.012 χ^2/NDF: 54.0/56

All: 0.009+/-0.009 χ^2/NDF: 128.5/114

- sign 0.014+/-0.013 χ^2/NDF: 74.2/57

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 65.812+/-0.011 χ^2/NDF: 2137697.6/32

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

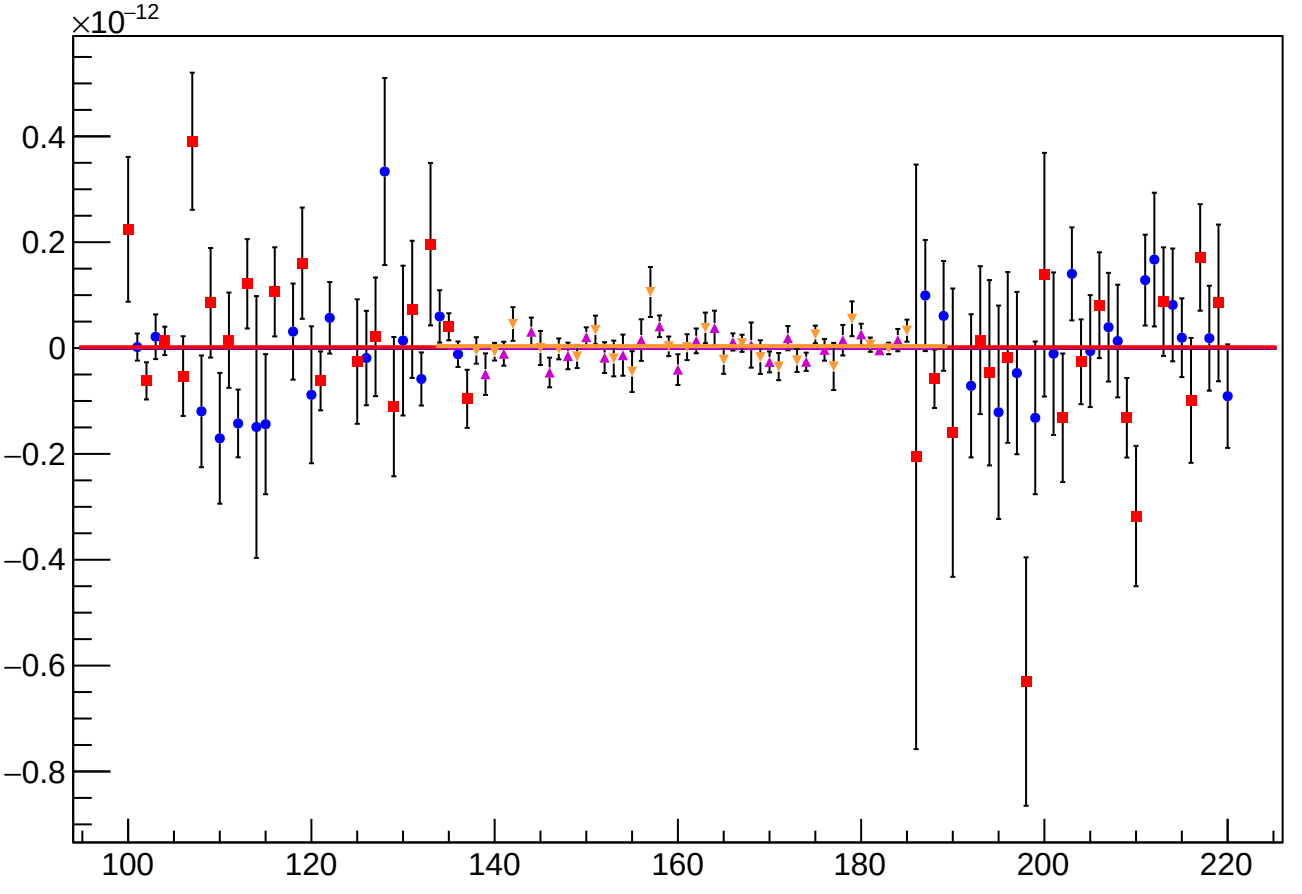
Right Out: 67.918+/-0.011 χ^2/NDF: 2855568.6/34

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

+ sign 72.793+/-0.009 χ^2/NDF: 4683131.9/56

All: 73.600+/-0.006 χ^2/NDF: 9485769.5/114

- sign 74.441+/-0.009 χ^2/NDF: 4784968.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 29.0/32

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

Right Out: 0.000+/-0.000 χ^2/NDF: 56.5/34

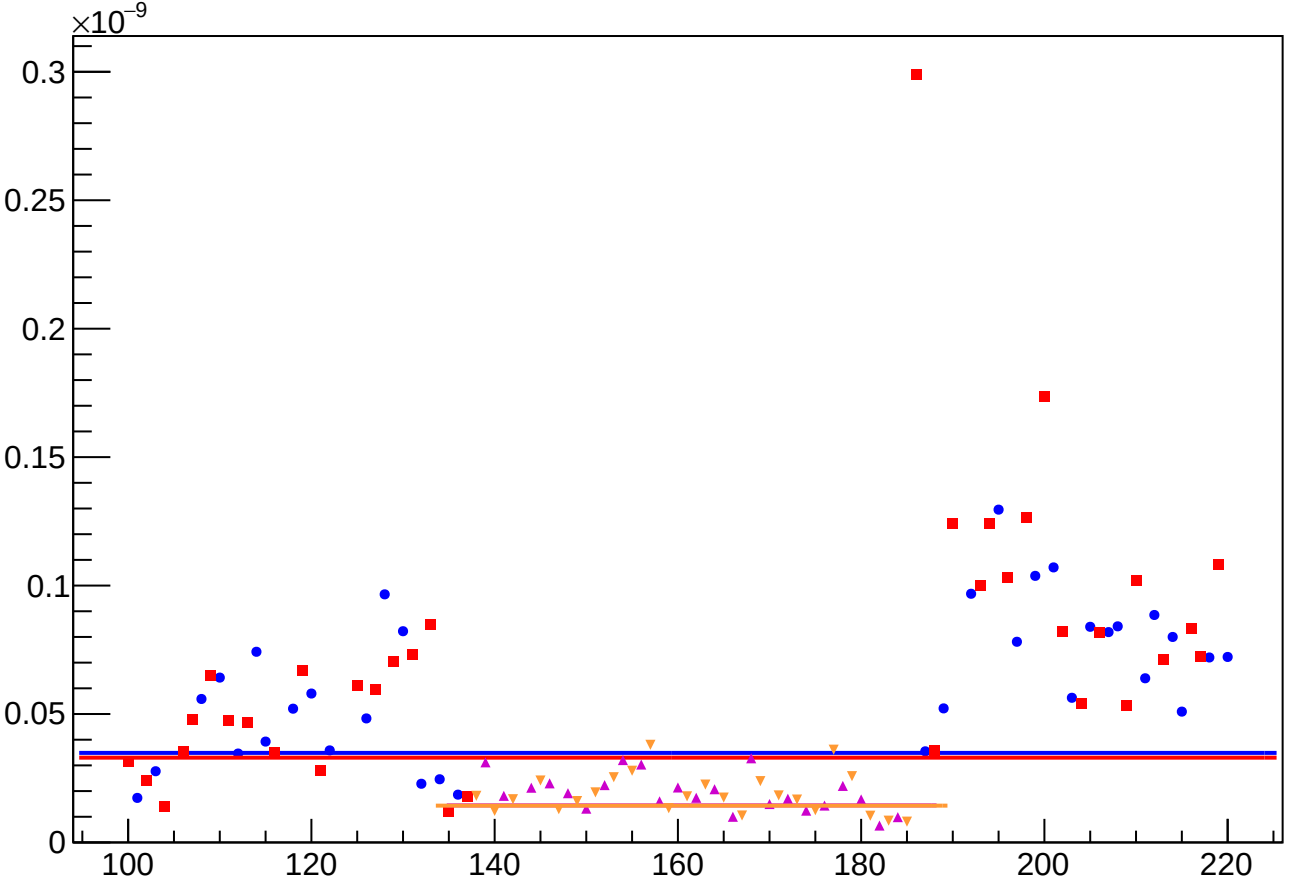
Left In: 0.000+/-0.000 χ^2/NDF:23.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.0/56

All: 0.000+/-0.000 χ^2/NDF: 134.3/114

- sign 0.000+/-0.000 χ^2/NDF: 80.1/57

asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7988312.4/32

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

Right Out: 0.000+/-0.000 χ^2/NDF: 10213085.1/34

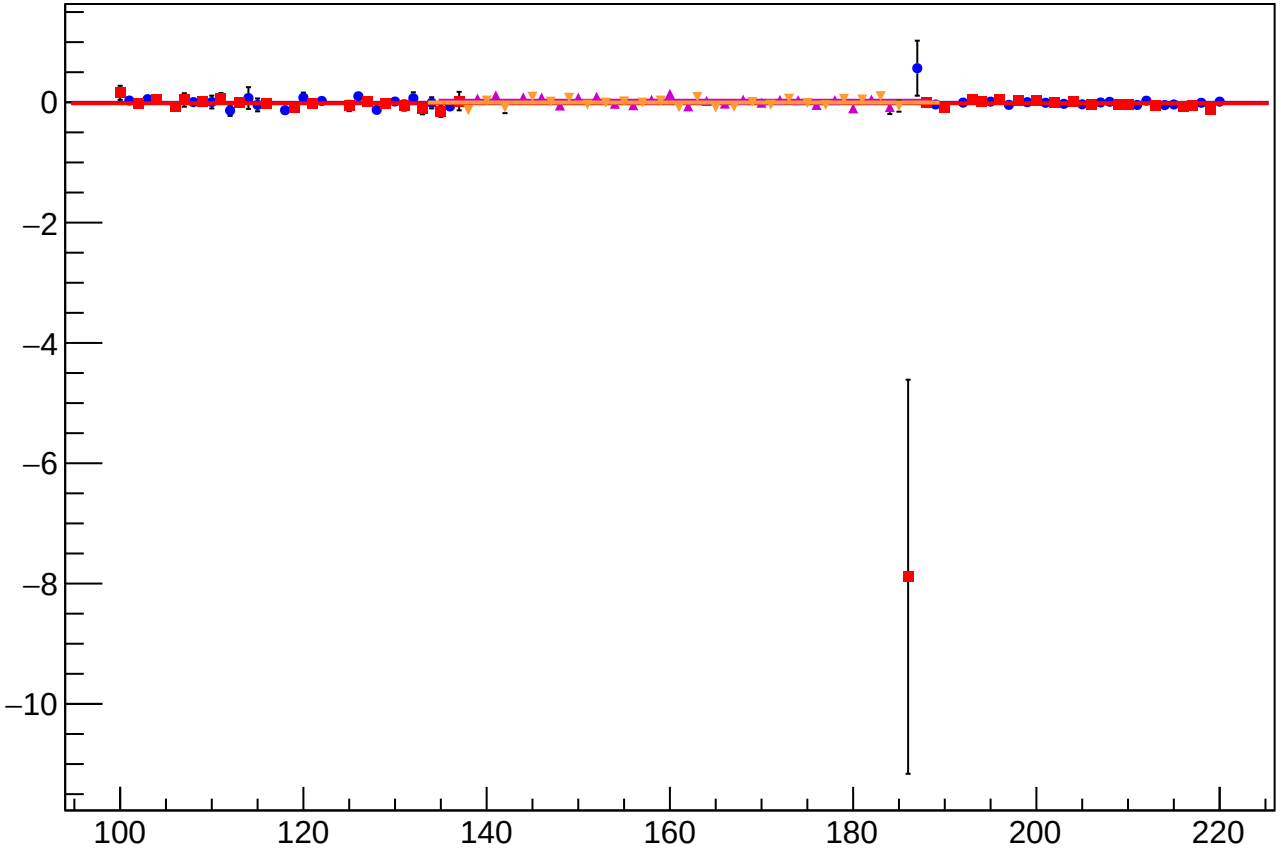
Left In: 0.000+/-0.000 χ^2/NDF:4256069.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 16917178.7/56

All: 0.000+/-0.000 χ^2/NDF: 35613516.6/114

- sign 0.000+/-0.000 χ^2/NDF: 18694760.6/57

asym_us_avg_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.007 χ^2/NDF: 25.6/32

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

Right Out: -0.015+/-0.007 χ^2/NDF: 49.6/34

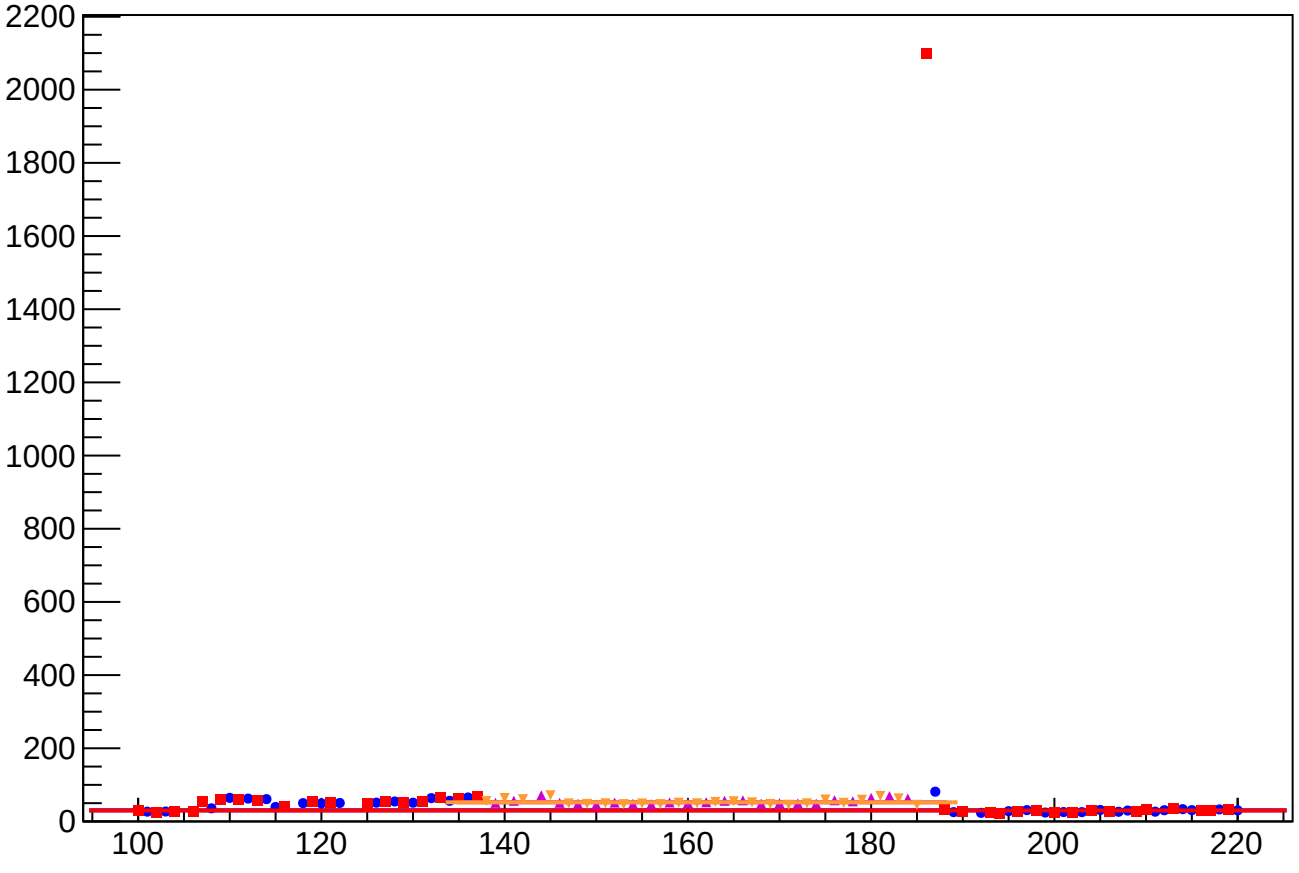
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.008+/-0.006 χ^2/NDF: 48.9/56

All: -0.007+/-0.004 χ^2/NDF: 130.8/114

- sign -0.005+/-0.006 χ^2/NDF: 81.9/57

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.471+/-0.005 χ^2/NDF: 2891321.9/32

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

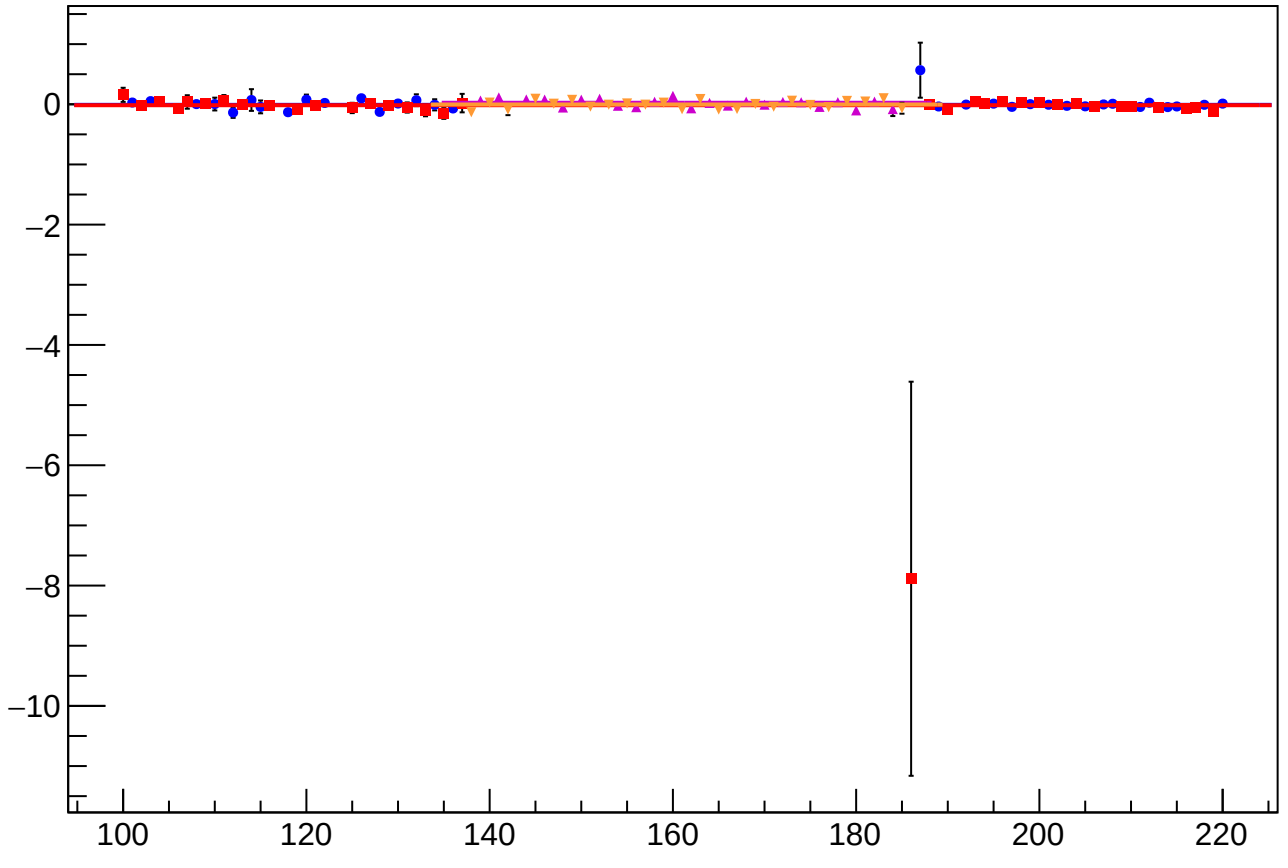
Right Out: 30.004+/-0.005 χ^2/NDF: 3884629.8/34

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

+ sign 35.891+/-0.004 χ^2/NDF: 8089431.7/56

All: 35.679+/-0.003 χ^2/NDF: 17310672.1/114

- sign 35.468+/-0.004 χ^2/NDF: 9216566.3/57



Right In: -0.009+/-0.007 χ^2/NDF: 25.6/32

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

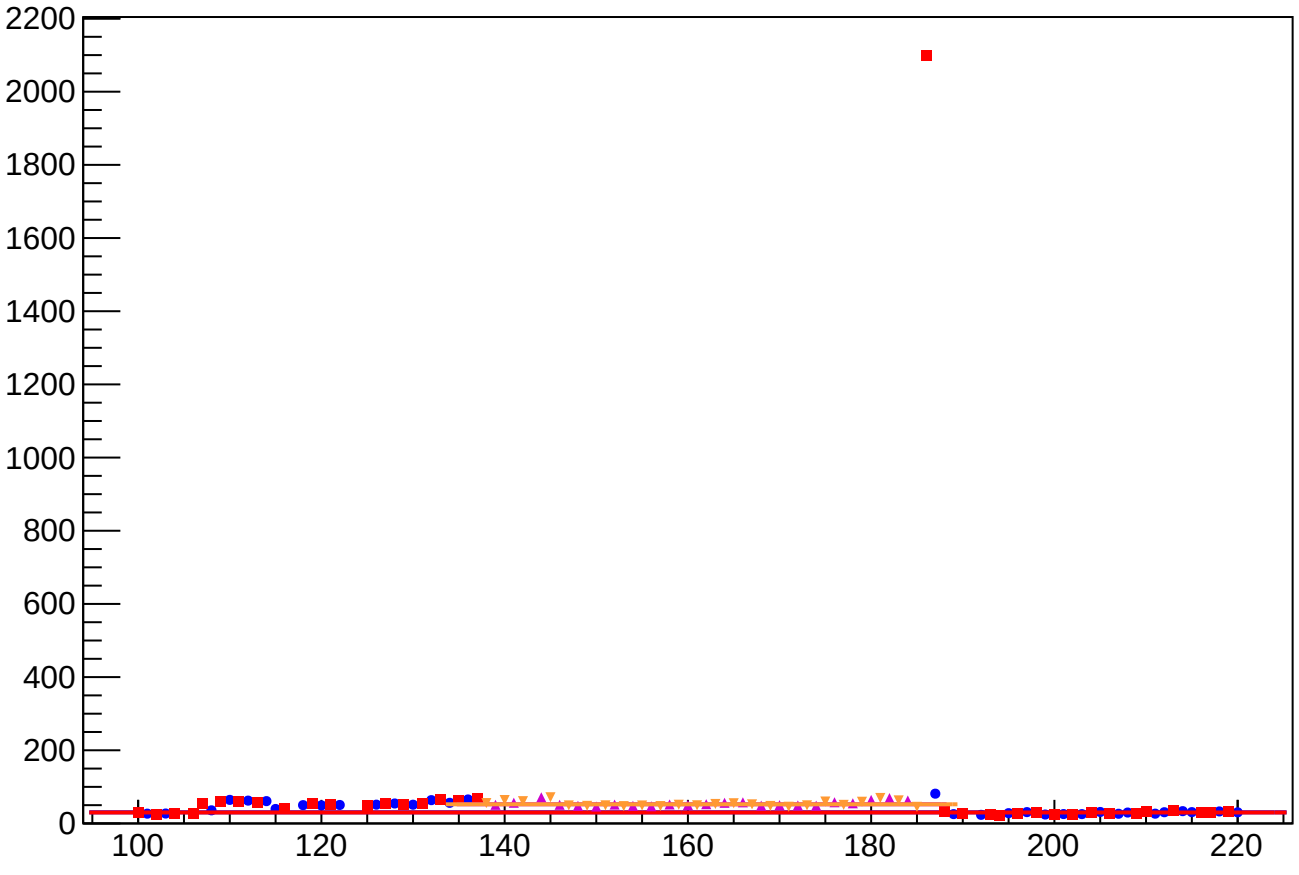
Right Out: -0.015+/-0.007 χ^2/NDF: 49.6/34

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

+ sign -0.008+/-0.006 χ^2/NDF: 48.9/56

All: -0.007+/-0.004 χ^2/NDF: 130.8/114

- sign -0.005+/-0.006 χ^2/NDF: 81.9/57



Right In: 30.471+/-0.005 χ^2/NDF: 2891321.9/32

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

Right Out: 30.004+/-0.005 χ^2/NDF: 3884629.8/34

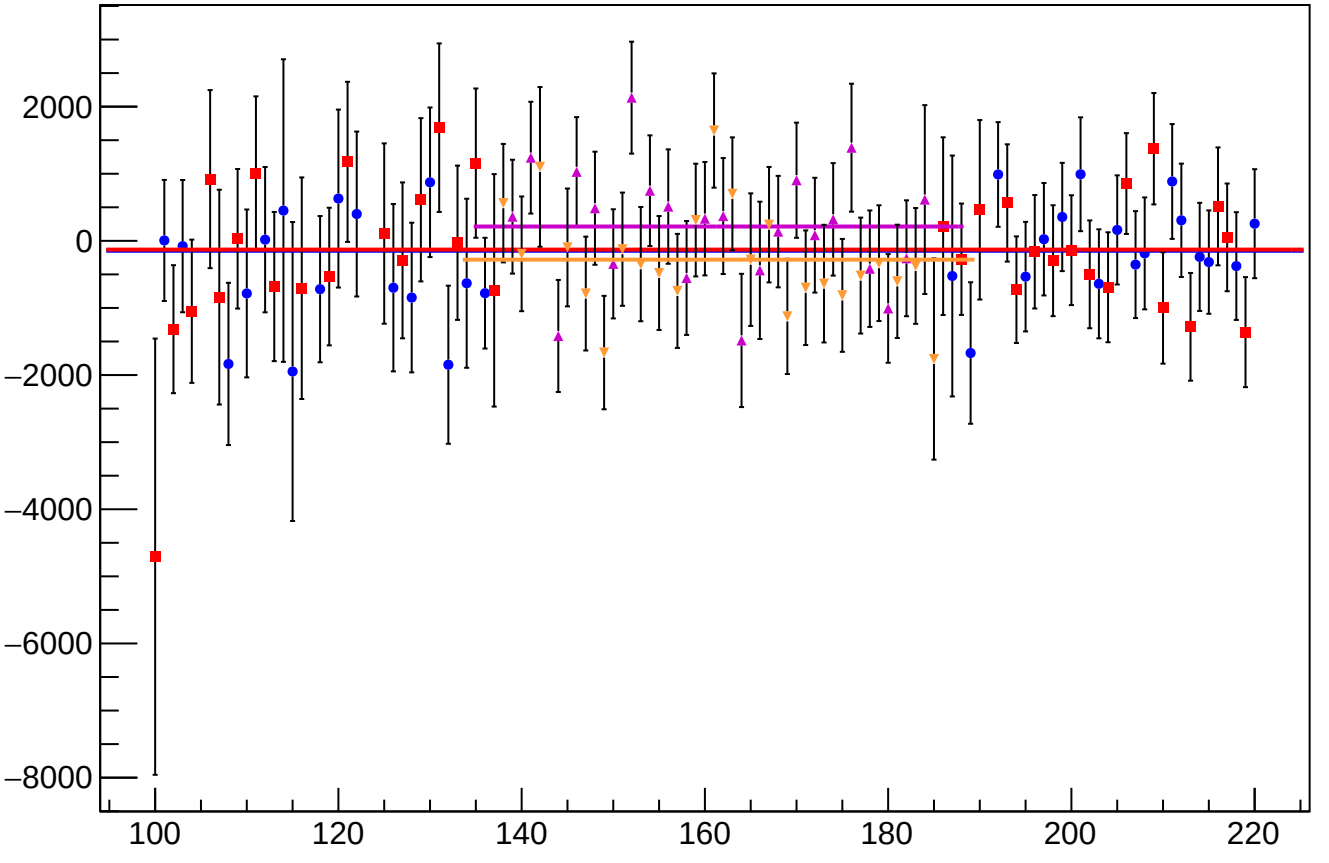
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 35.891+/-0.004 χ^2/NDF: 8089431.7/56

All: 35.679+/-0.003 χ^2/NDF: 17310672.1/114

- sign 35.468+/-0.004 χ^2/NDF: 9216566.3/57

reg_asym_us_dd_mean vs Slug



Right In: -147.834+/-167.180 χ^2/NDF: 17.5/32

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

Right Out: -130.475+/-167.878 χ^2/NDF: 25.0/34

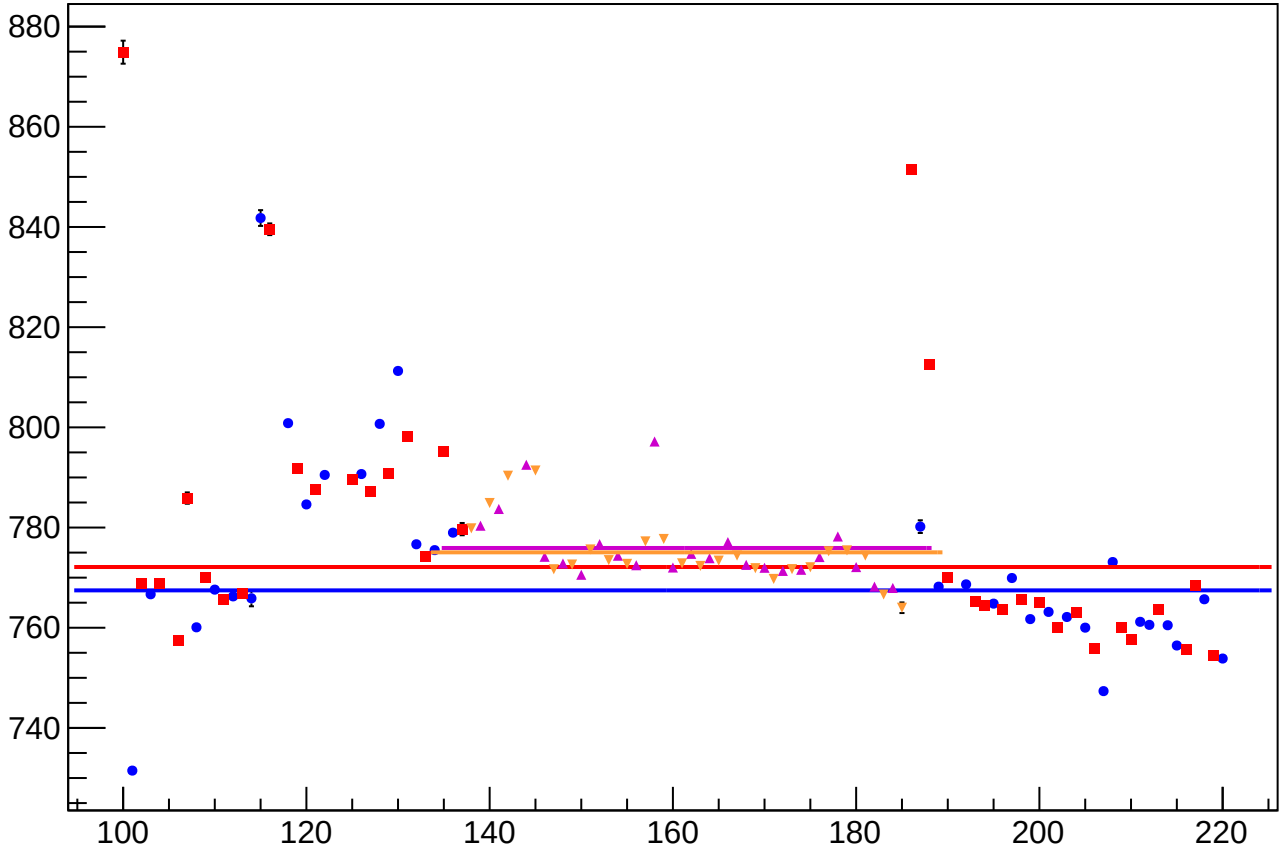
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -209.255+/-122.458 χ^2/NDF: 33.8/56

All: -91.086+/-86.830 χ^2/NDF: 85.0/114

- sign 28.400+/-123.138 χ^2/NDF: 49.3/57

reg_asym_us_dd_rms vs Slug



Right In: 767.459+/-0.118 χ^2/NDF: 17839.3/32

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

Right Out: 772.124+/-0.119 χ^2/NDF: 27185.3/34

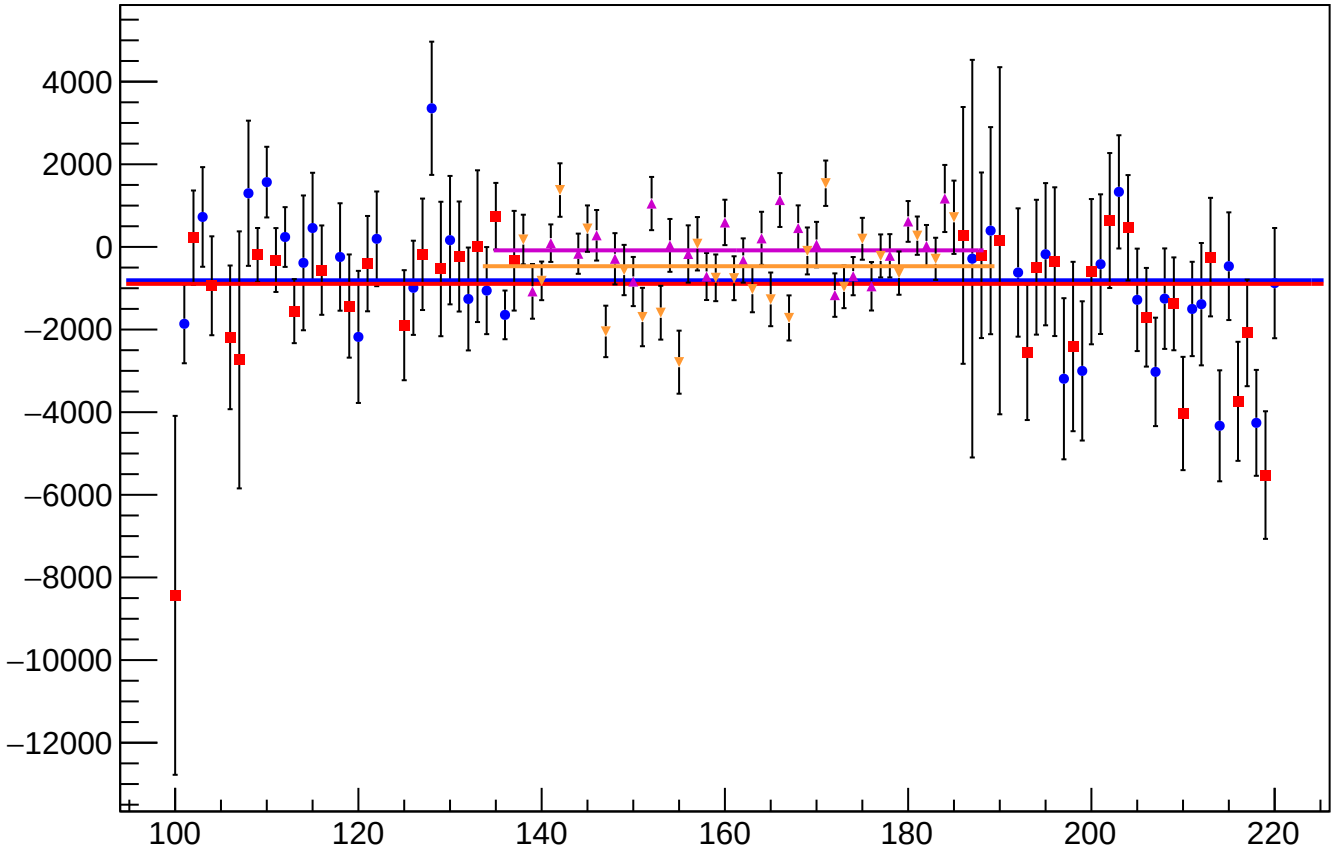
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 770.977+/-0.087 χ^2/NDF: 21701.3/56

All: 772.420+/-0.061 χ^2/NDF: 52890.8/114

- sign 773.878+/-0.087 χ^2/NDF: 30631.2/57

asym_us_dd_reg_correction_mean vs Slug



Right In: -807.914+/-213.416 χ^2/NDF: 50.0/32

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

Right Out: -893.869+/-215.676 χ^2/NDF: 37.4/34

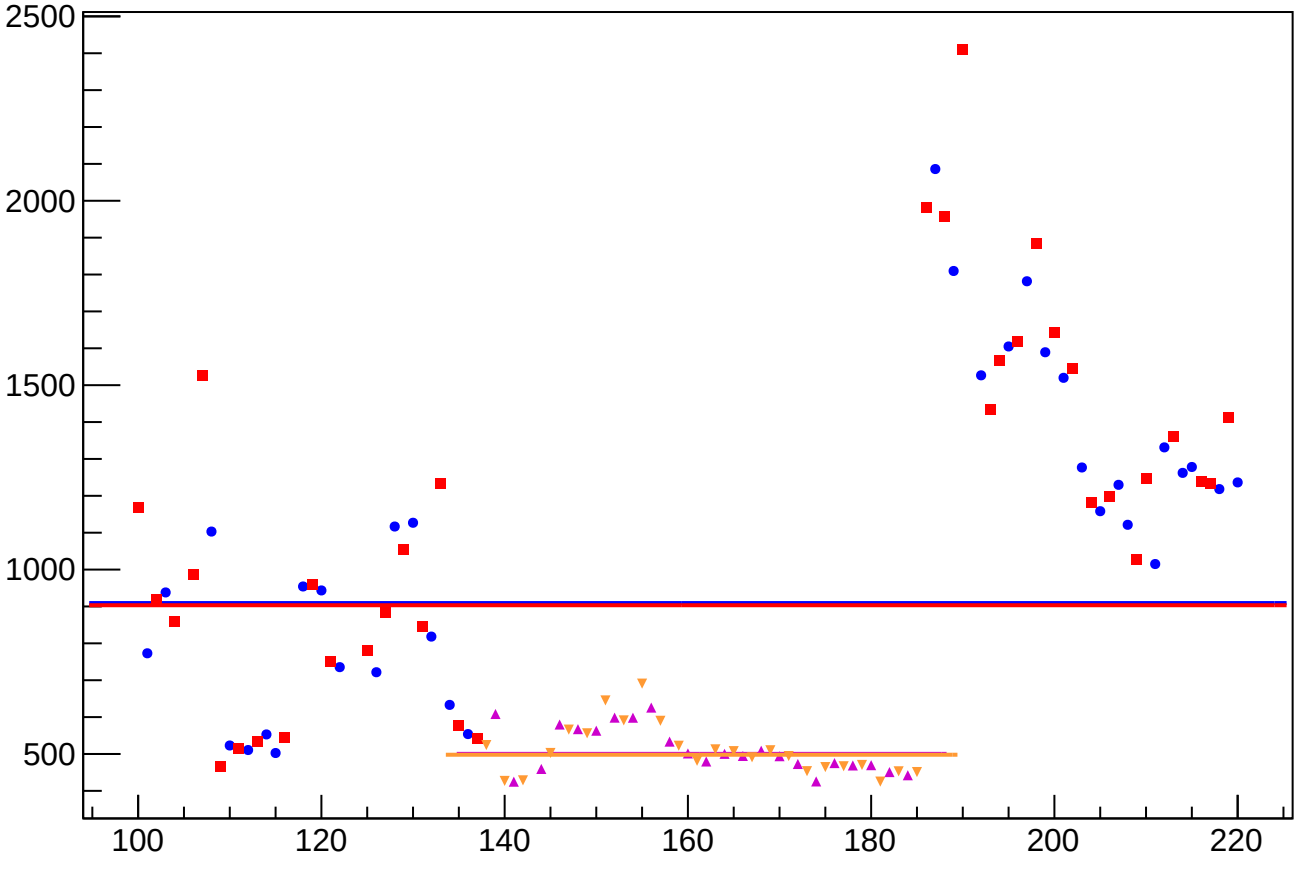
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -545.601+/-102.400 χ^2/NDF: 116.4/56

All: -408.856+/-72.755 χ^2/NDF: 196.3/114

- sign -269.455+/-103.389 χ^2/NDF: 76.4/57

asym_us_dd_reg_correction_rms vs Slug



Right In: 909.198+/-0.151 χ^2/NDF: 5539046.1/32

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

Right Out: 903.332+/-0.153 χ^2/NDF: 6874630.1/34

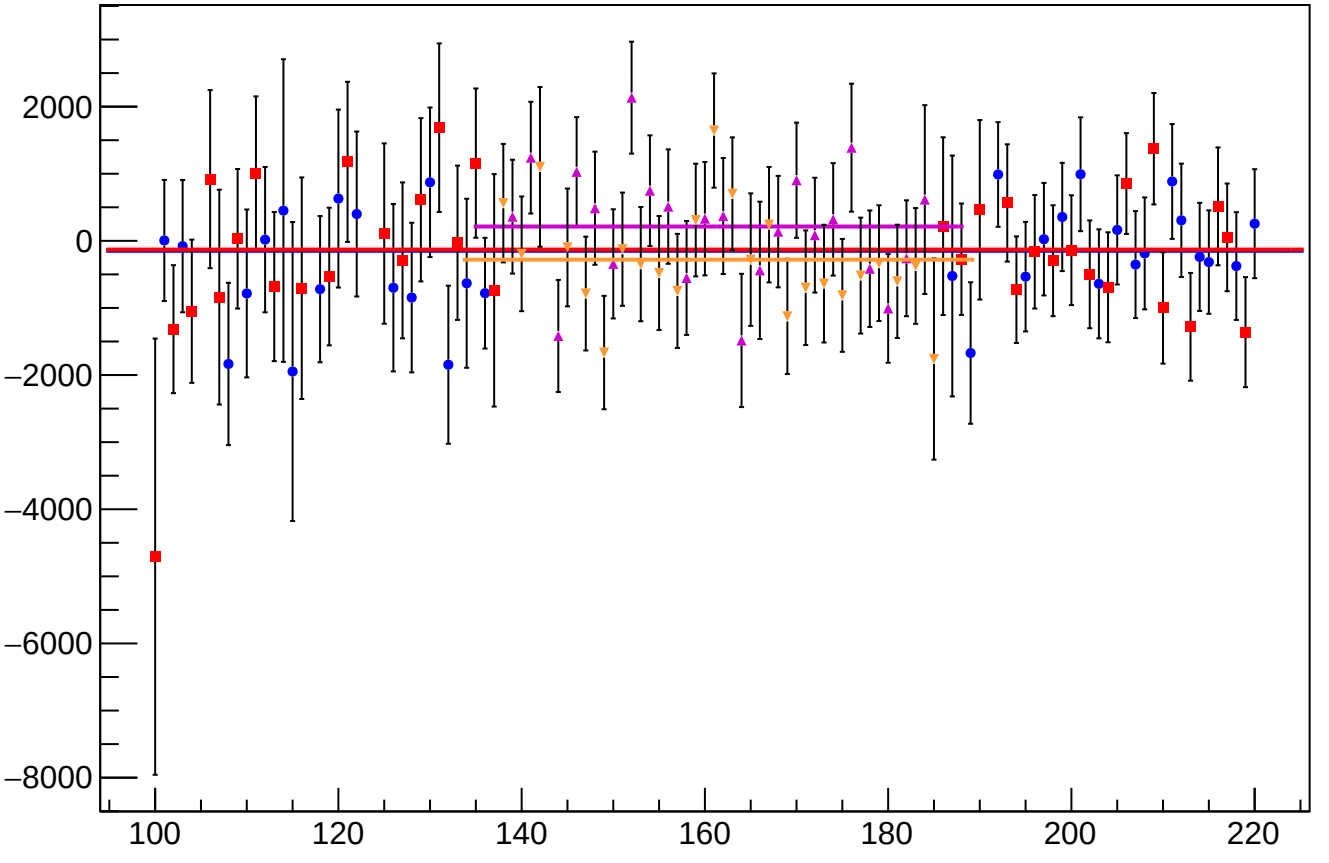
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 592.640+/-0.072 χ^2/NDF: 11782332.5/56

All: 592.779+/-0.051 χ^2/NDF: 24513270.3/11

- sign 592.922+/-0.073 χ^2/NDF: 12730930.3/57

cor_asym_us_dd_mean vs Slug



Right In: -147.834+/-167.180 χ^2/NDF: 17.5/32

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

Right Out: -130.475+/-167.878 χ^2/NDF: 25.0/34

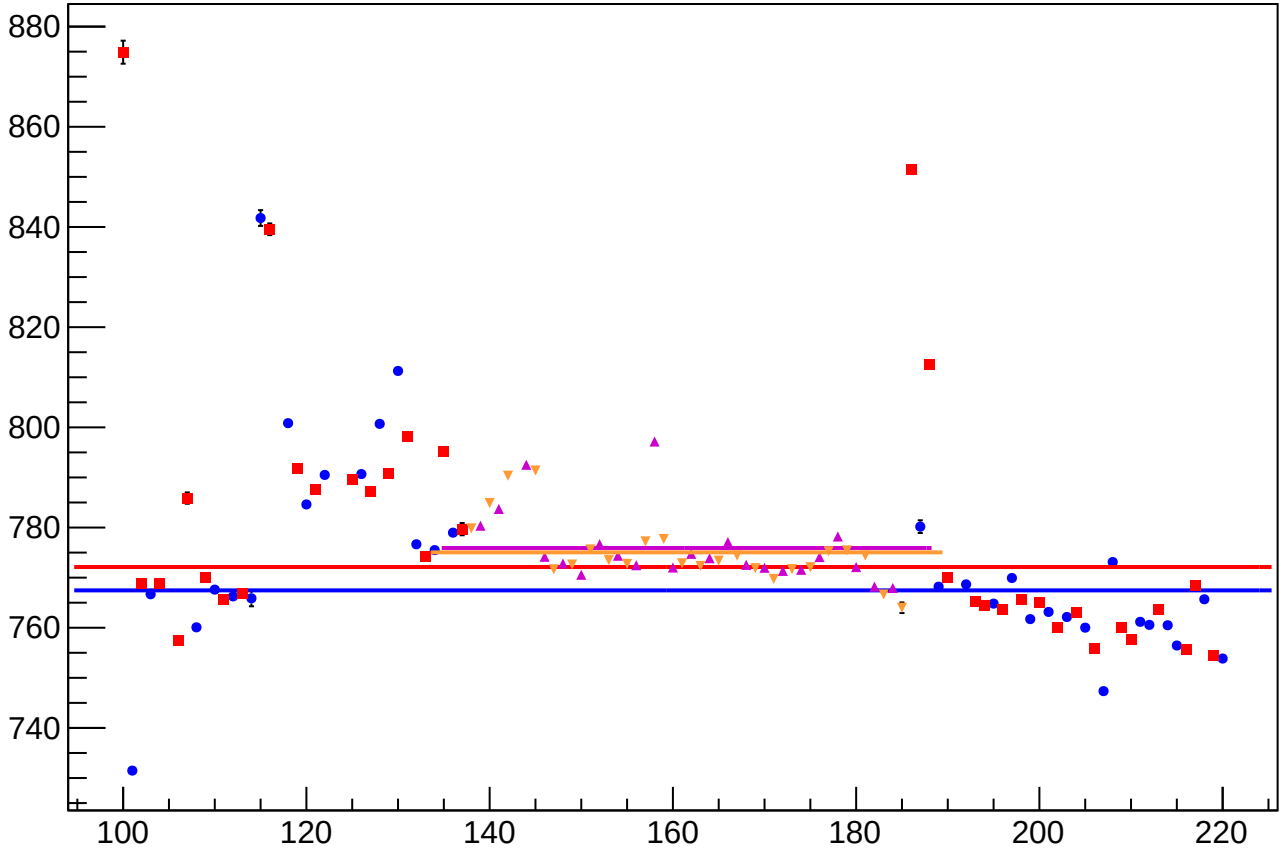
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -209.255+/-122.458 χ^2/NDF: 33.8/56

All: -91.086+/-86.830 χ^2/NDF: 85.0/114

- sign 28.400+/-123.138 χ^2/NDF: 49.3/57

cor_asym_us_dd_rms vs Slug



Right In: 767.459+/-0.118 χ^2/NDF: 17839.3/32

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

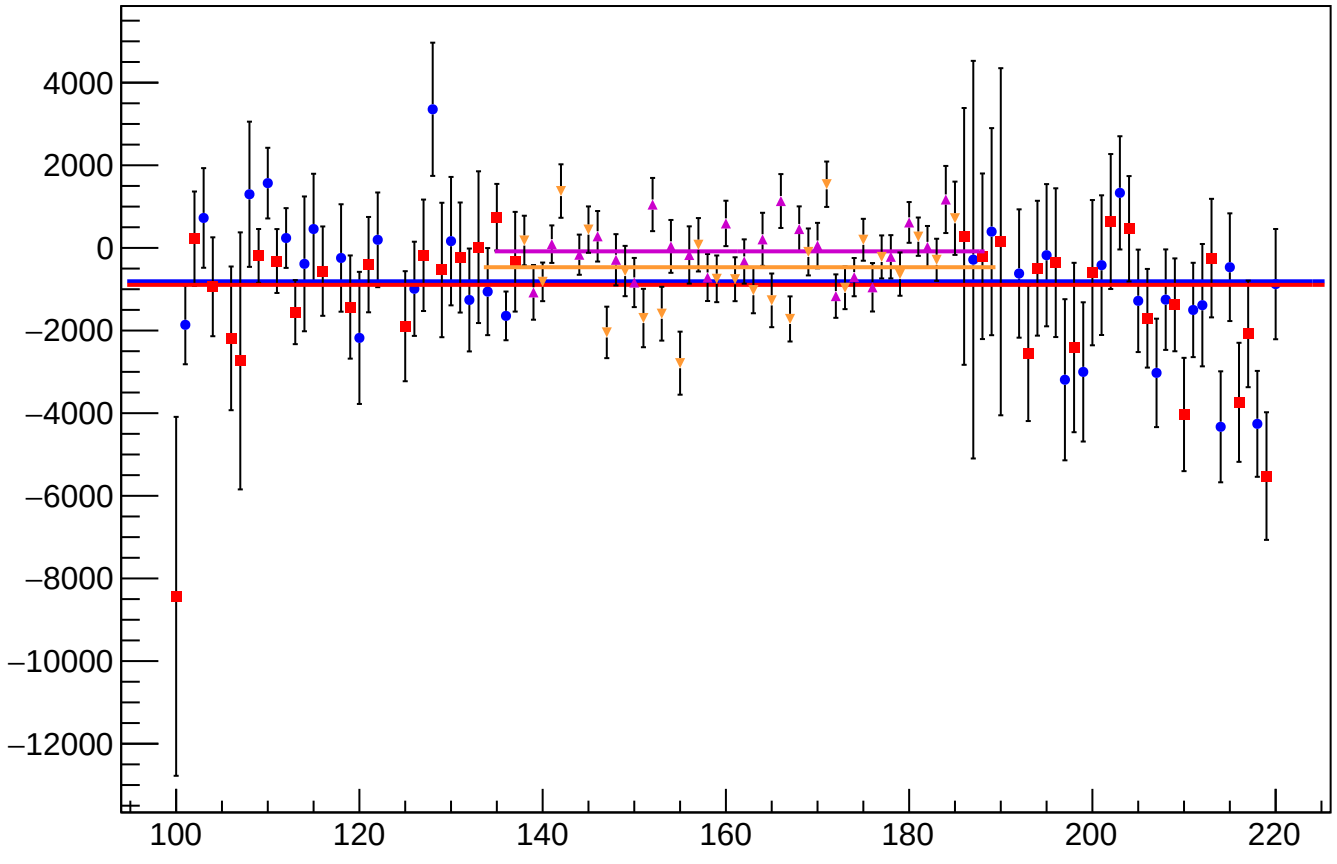
Right Out: 772.124+/-0.119 χ^2/NDF: 27185.3/34

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

+ sign 770.977+/-0.087 χ^2/NDF: 21701.3/56

All: 772.420+/-0.061 χ^2/NDF: 52890.8/114

- sign 773.878+/-0.087 χ^2/NDF: 30631.2/57



Right In: -807.914+/-213.416 χ^2/NDF: 50.0/32

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

Right Out: -893.869+/-215.676 χ^2/NDF: 37.4/34

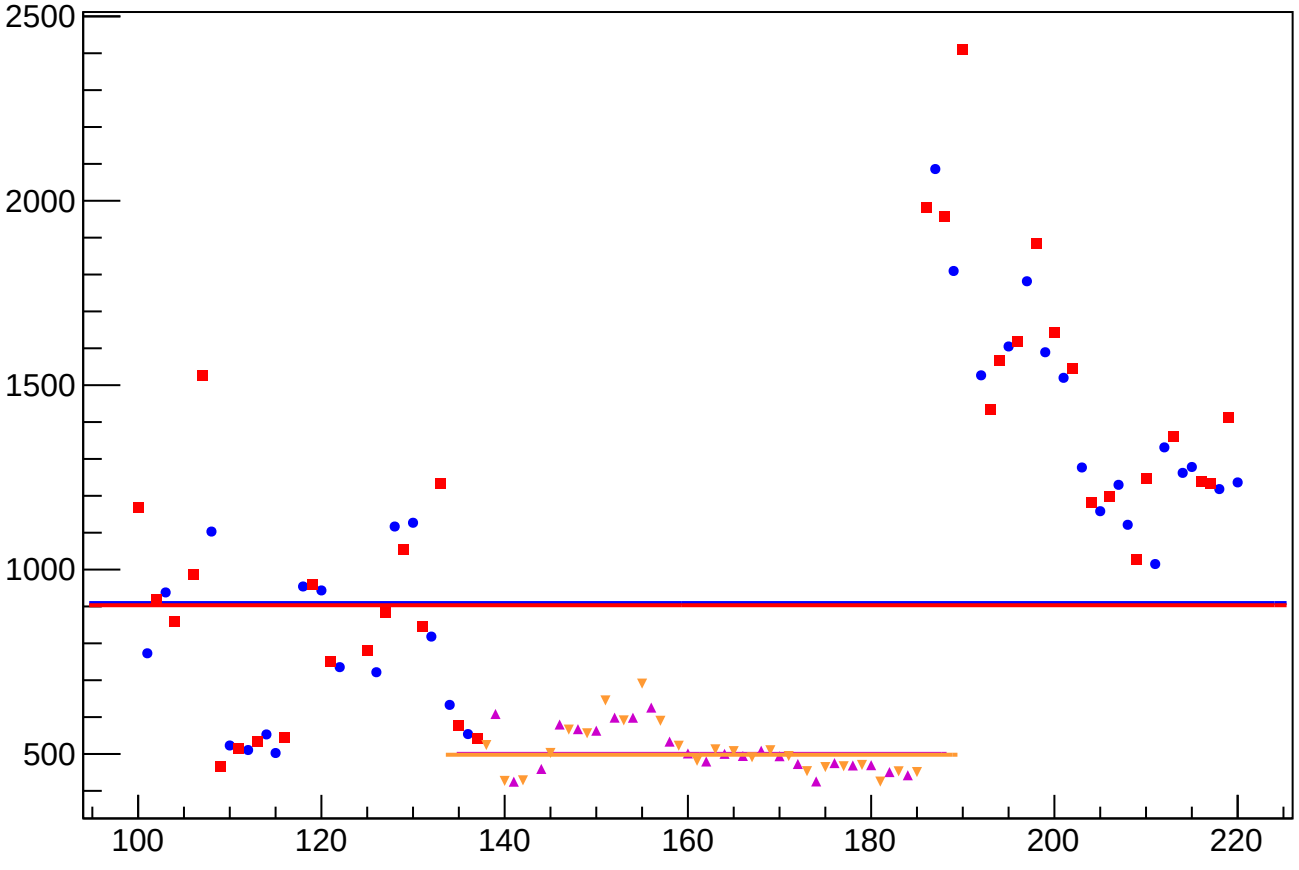
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

\+ sign -545.601+/-102.400 χ^2/NDF: 116.4/56

All: -408.856+/-72.755 χ^2/NDF: 196.3/114

\- sign -269.455+/-103.389 χ^2/NDF: 76.4/57

asym_us_dd_cor_correction_rms vs Slug



Right In: 909.198+/-0.151 χ^2/NDF: 5539046.1/32

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

Right Out: 903.332+/-0.153 χ^2/NDF: 6874630.1/34

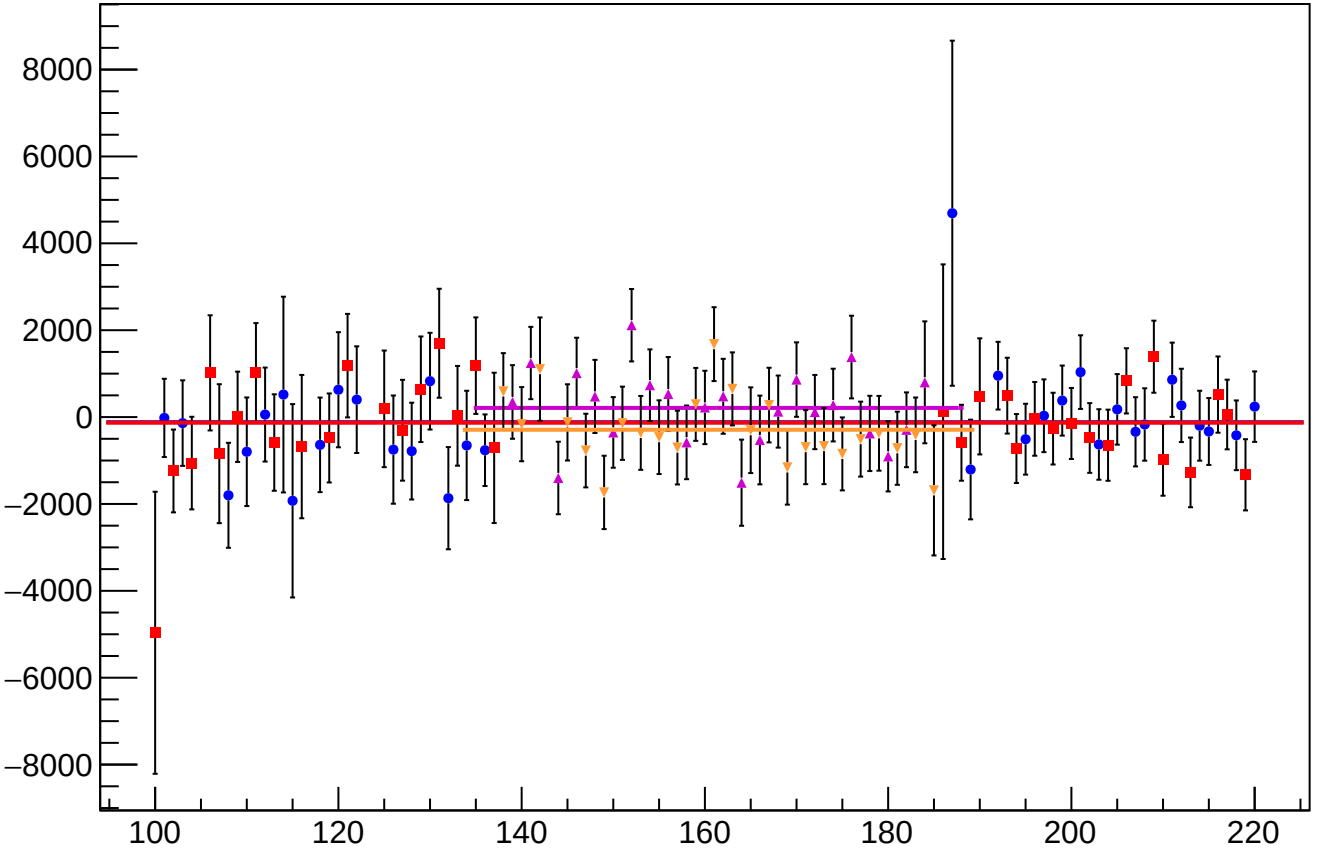
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 592.640+/-0.072 χ^2/NDF: 11782332.5/56

All: 592.779+/-0.051 χ^2/NDF: 24513270.3/11

- sign 592.922+/-0.073 χ^2/NDF: 12730930.3/57

overload_cor_asym_us_dd_mean vs Slug



Right In: -118.729+/-167.951 χ^2/NDF: 17.4/32

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

Right Out: -127.431+/-169.279 χ^2/NDF: 25.1/34

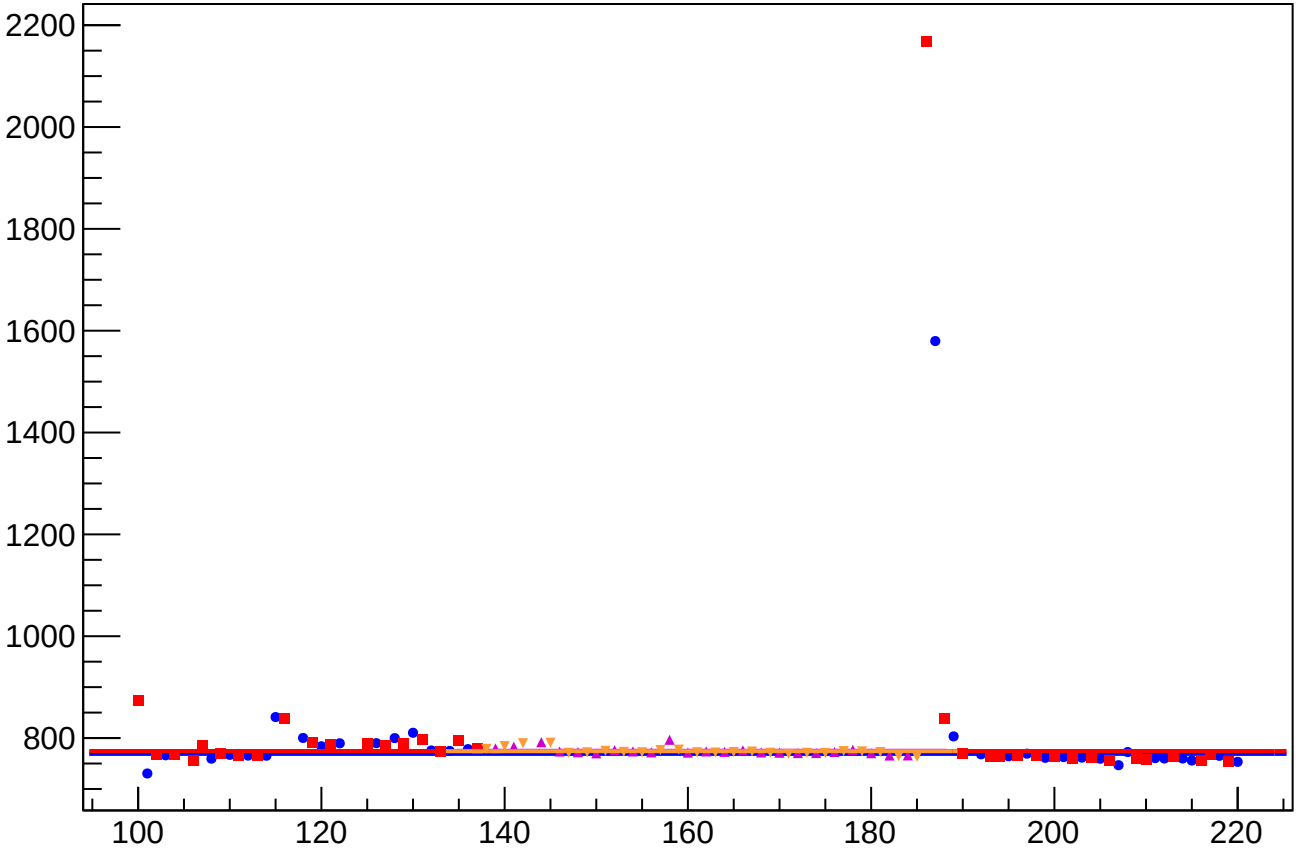
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -199.547+/-122.693 χ^2/NDF: 34.5/56

All: -85.323+/-87.083 χ^2/NDF: 85.3/114

- sign 30.630+/-123.619 χ^2/NDF: 49.1/57

overload_cor_asym_us_dd_rms vs Slug



Right In: 768.911+/-0.119 χ^2/NDF: 103198.7/32

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

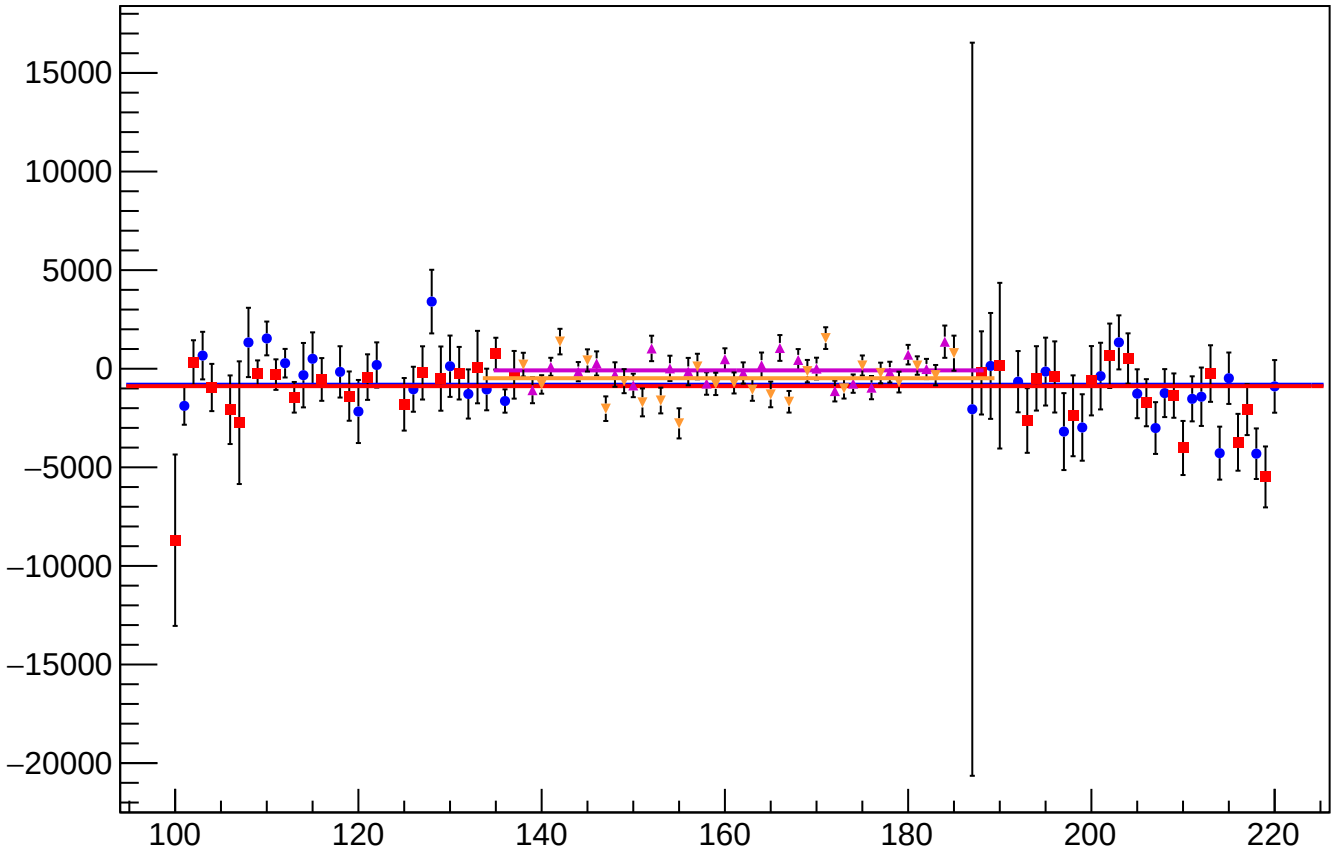
Right Out: 774.565+/-0.120 χ^2/NDF: 364898.6/34

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

+ sign 771.350+/-0.087 χ^2/NDF: 106163.9/56

All: 773.044+/-0.062 χ^2/NDF: 474984.6/114

- sign 774.763+/-0.087 χ^2/NDF: 368052.6/57



Right In: -810.199+/-213.934 χ^2/NDF: 49.9/32

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

Right Out: -883.898+/-216.566 χ^2/NDF: 37.2/33

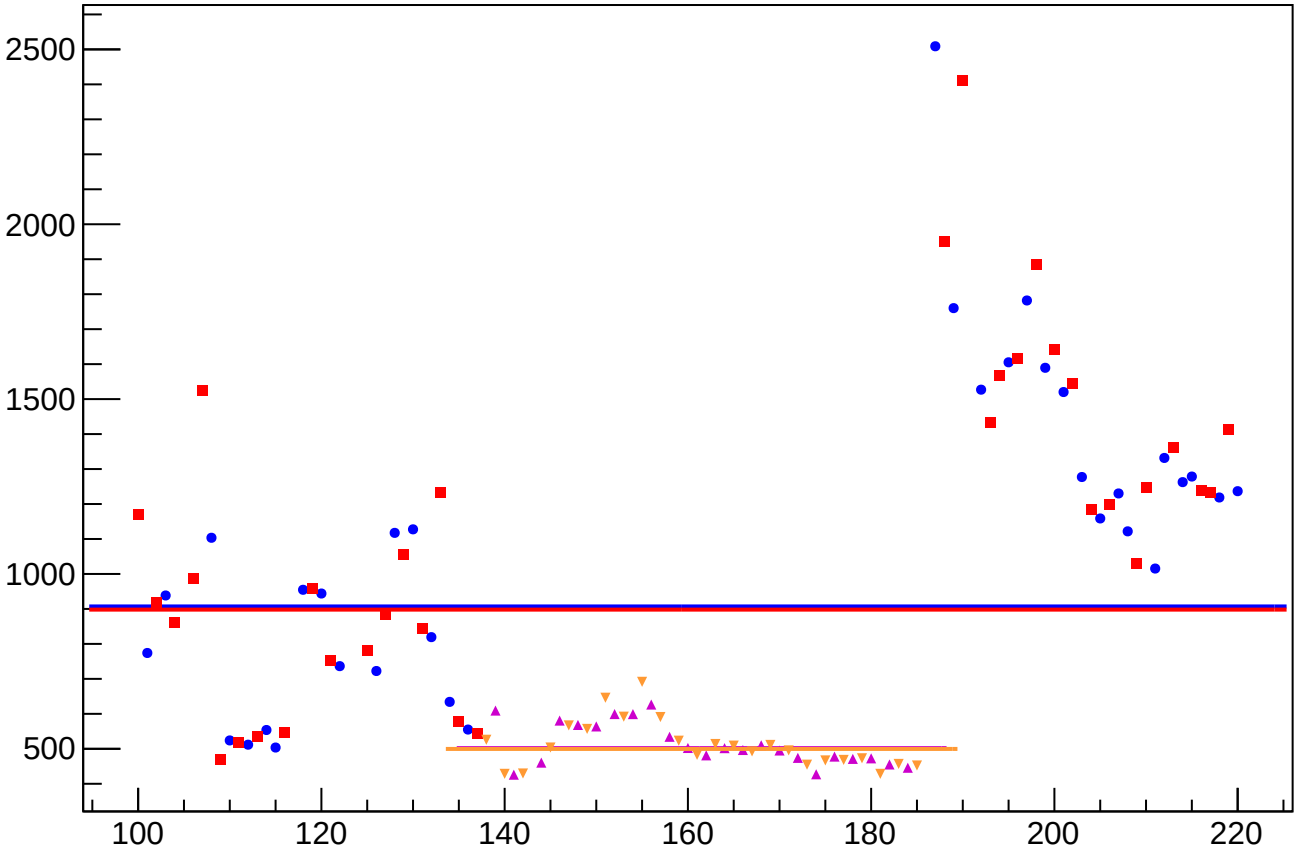
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -557.126+/-102.713 χ^2/NDF: 115.3/56

All: -413.497+/-72.993 χ^2/NDF: 195.2/113

- sign -266.958+/-103.749 χ^2/NDF: 75.9/56

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 907.108+/-0.151 χ^2/NDF: 5357849.9/32

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

Right Out: 898.016+/-0.153 χ^2/NDF: 6545099.5/33

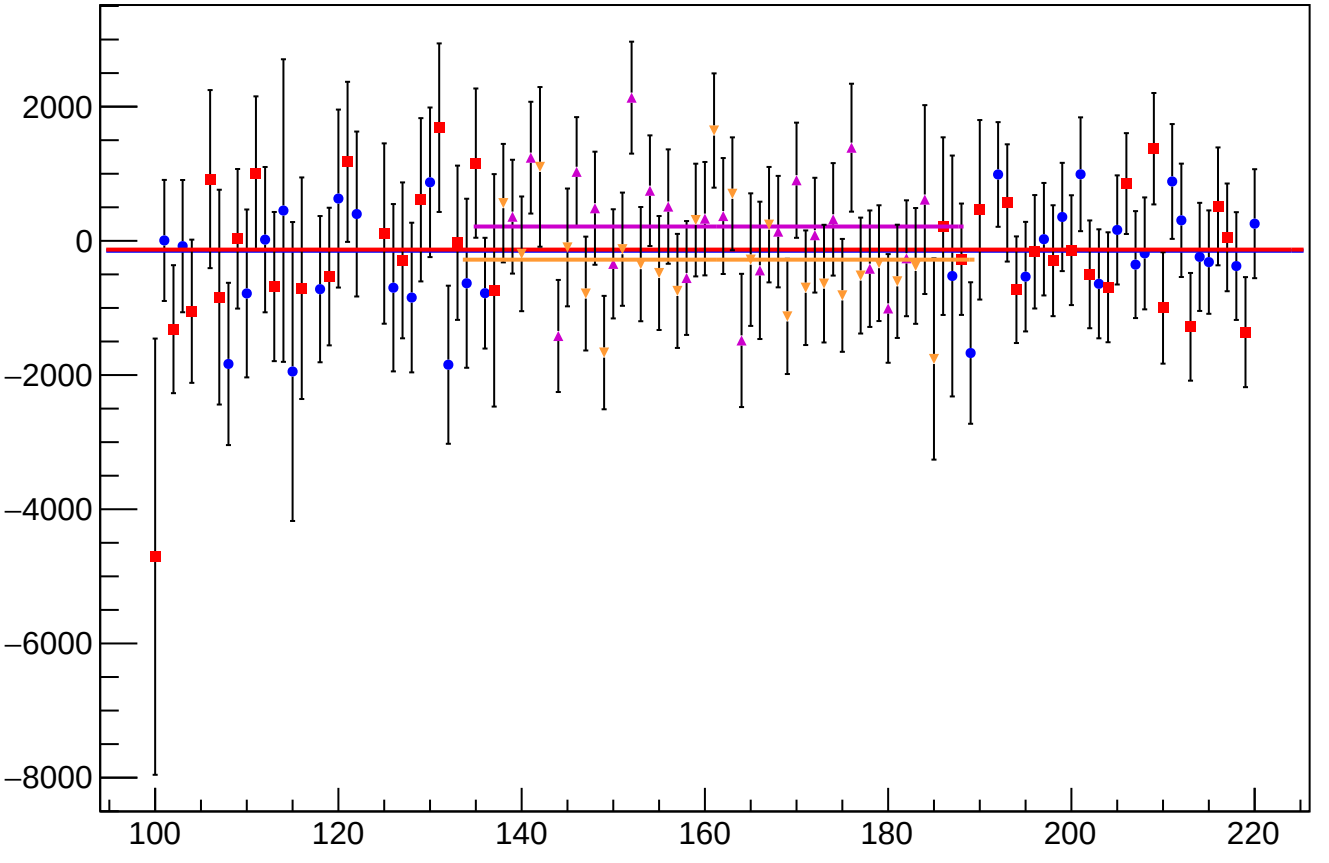
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 593.589+/-0.073 χ^2/NDF: 11456233.2/56

All: 593.251+/-0.052 χ^2/NDF: 23620994.8/11

- sign 592.906+/-0.073 χ^2/NDF: 12164717.8/56

eigen_cor_asym_us_dd_mean vs Slug



Right In: -147.834+/-167.180 χ^2/NDF: 17.5/32

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

Right Out: -130.475+/-167.878 χ^2/NDF: 25.0/34

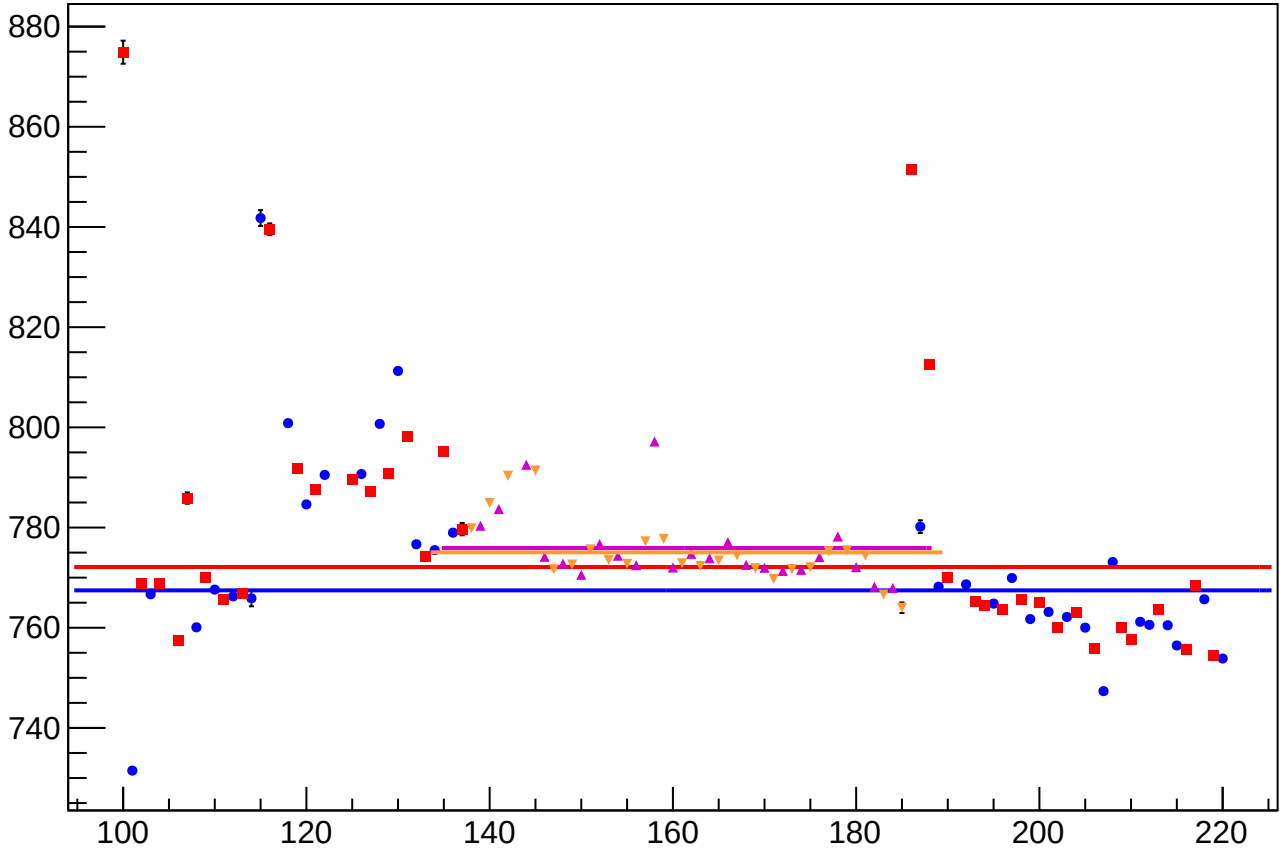
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -209.255+/-122.458 χ^2/NDF: 33.8/56

All: -91.086+/-86.830 χ^2/NDF: 85.0/114

- sign 28.400+/-123.138 χ^2/NDF: 49.3/57

eigen_cor_asym_us_dd_rms vs Slug



Right In: 767.459+/-0.118 χ^2/NDF: 17839.3/32

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

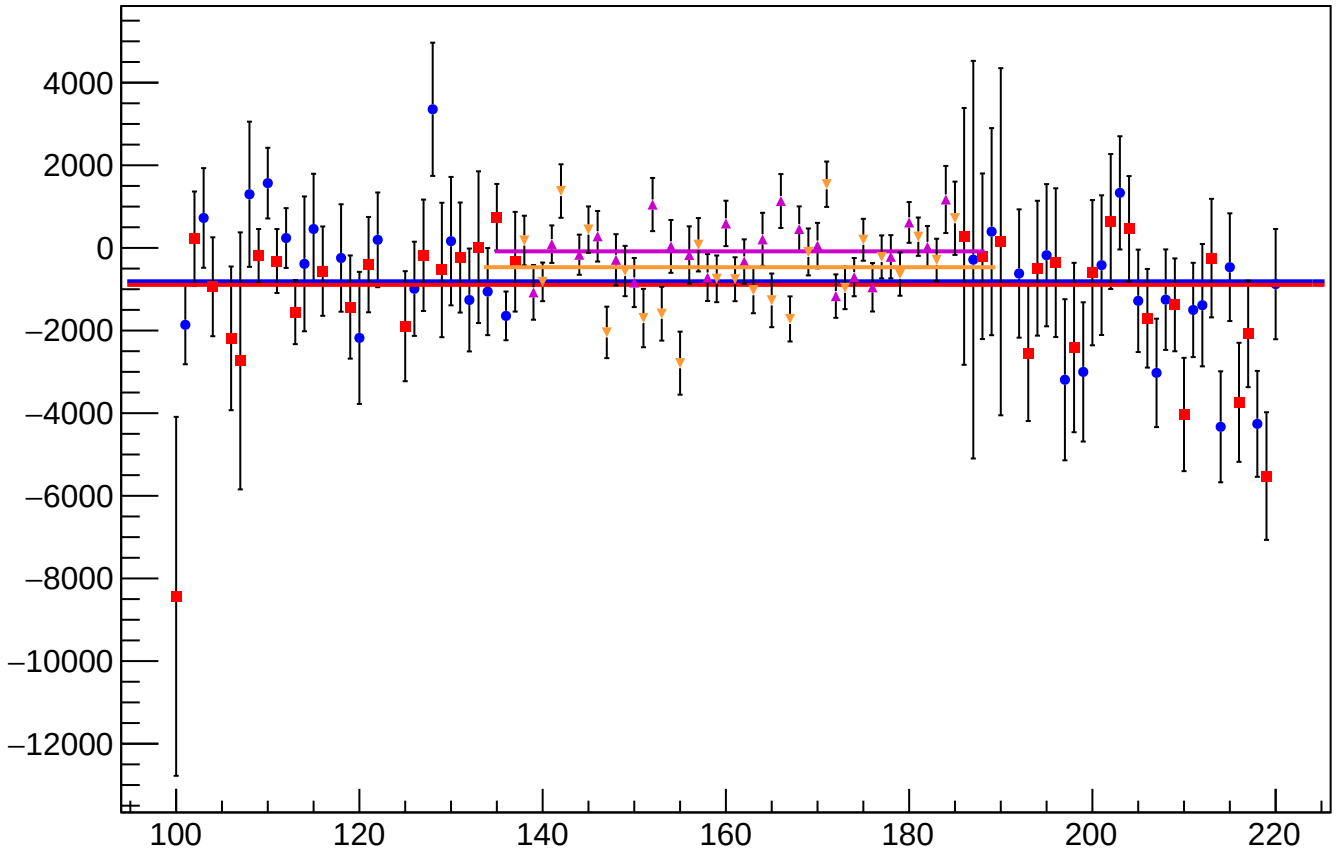
Right Out: 772.124+/-0.119 χ^2/NDF: 27185.3/34

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

+ sign 770.977+/-0.087 χ^2/NDF: 21701.3/56

All: 772.420+/-0.061 χ^2/NDF: 52890.8/114

- sign 773.878+/-0.087 χ^2/NDF: 30631.2/57



Right In: -807.914+/-213.416 χ^2/NDF: 50.0/32

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

Right Out: -893.869+/-215.676 χ^2/NDF: 37.4/34

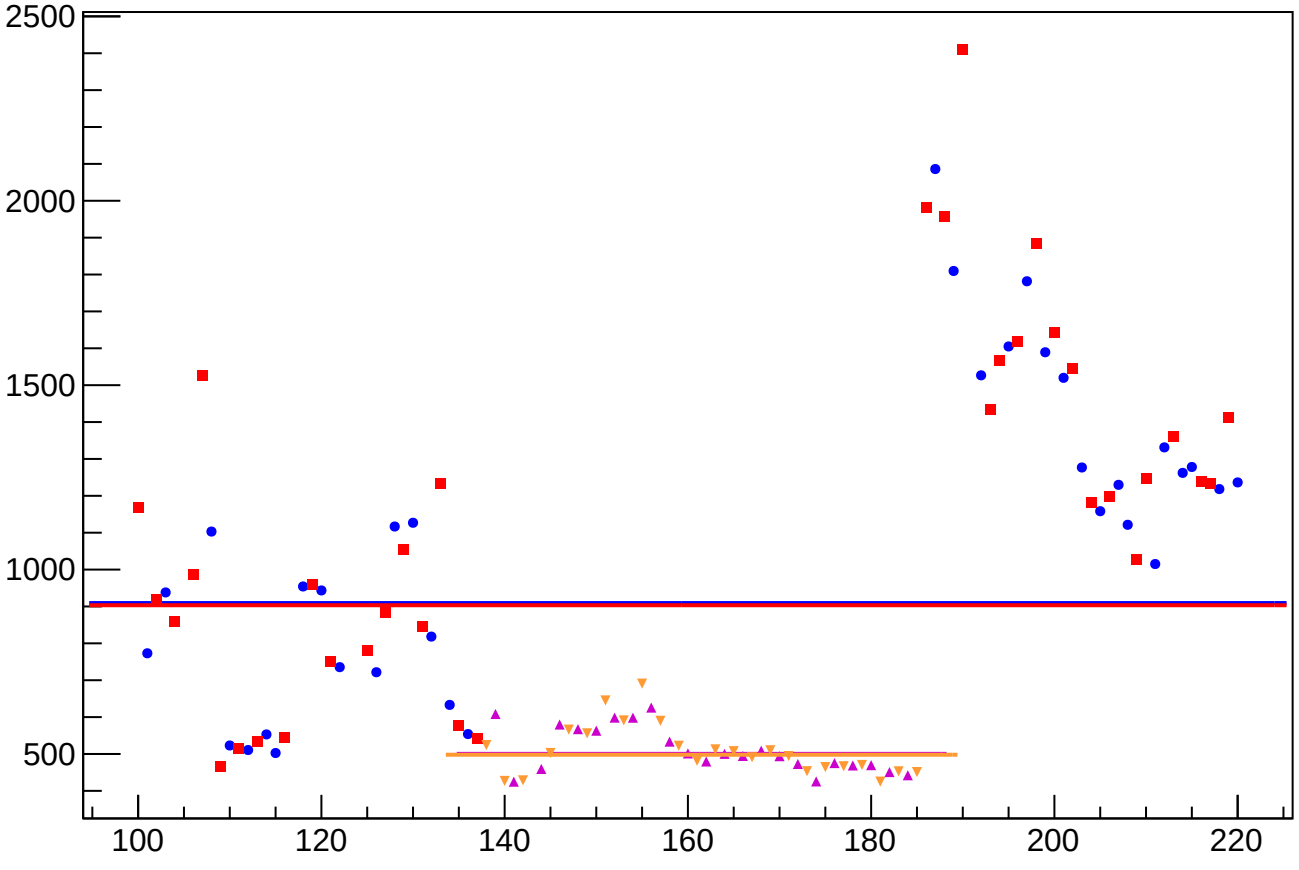
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -545.601+/-102.400 χ^2/NDF: 116.4/56

All: -408.856+/-72.755 χ^2/NDF: 196.3/114

- sign -269.455+/-103.389 χ^2/NDF: 76.4/57

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 909.198+/-0.151 χ^2/NDF: 5539046.1/32

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

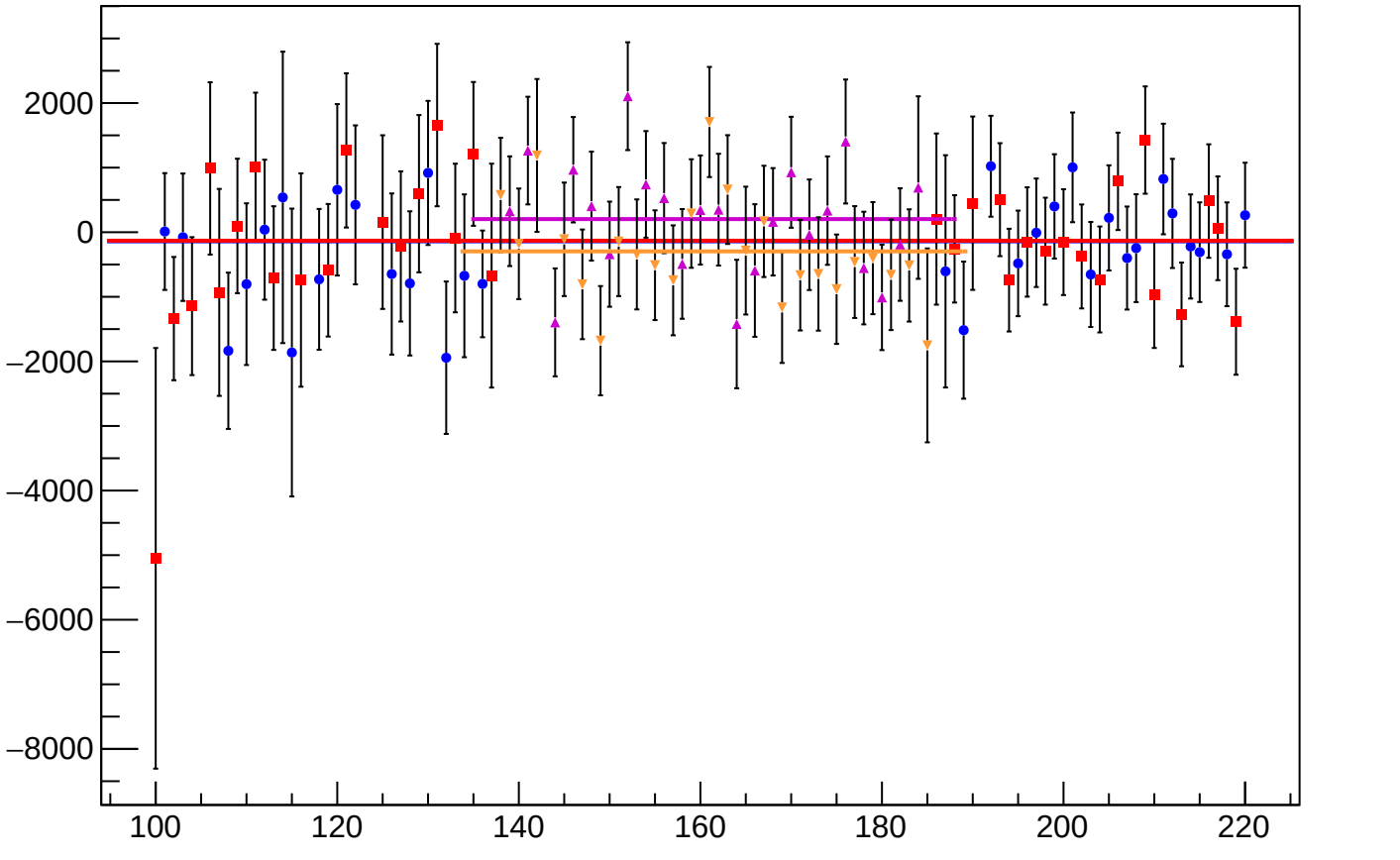
Right Out: 903.332+/-0.153 χ^2/NDF: 6874630.1/34

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

+ sign 592.640+/-0.072 χ^2/NDF: 11782332.5/56

All: 592.779+/-0.051 χ^2/NDF: 24513270.3/11

- sign 592.922+/-0.073 χ^2/NDF: 12730930.3/57



Right In: -140.731+/-167.367 χ^2/NDF: 17.5/32

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

Right Out: -131.539+/-168.070 χ^2/NDF: 25.7/34

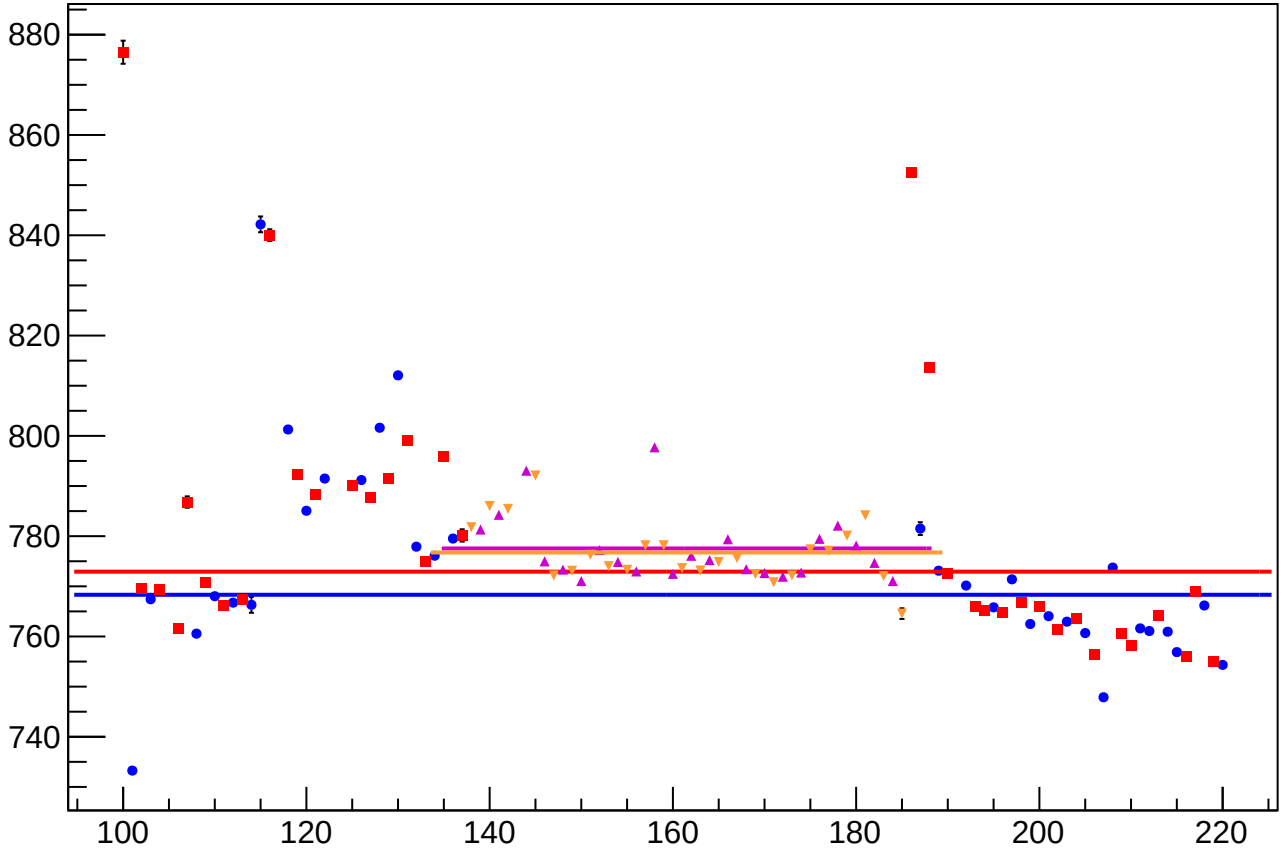
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -212.963+/-122.658 χ^2/NDF: 34.6/56

All: -95.625+/-86.970 χ^2/NDF: 86.0/114

- sign 23.009+/-123.333 χ^2/NDF: 49.7/57

dit_asym_us_dd_rms vs Slug



Right In: 768.317+/-0.118 χ^2/NDF: 17754.6/32

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

Right Out: 772.927+/-0.119 χ^2/NDF: 27167.9/34

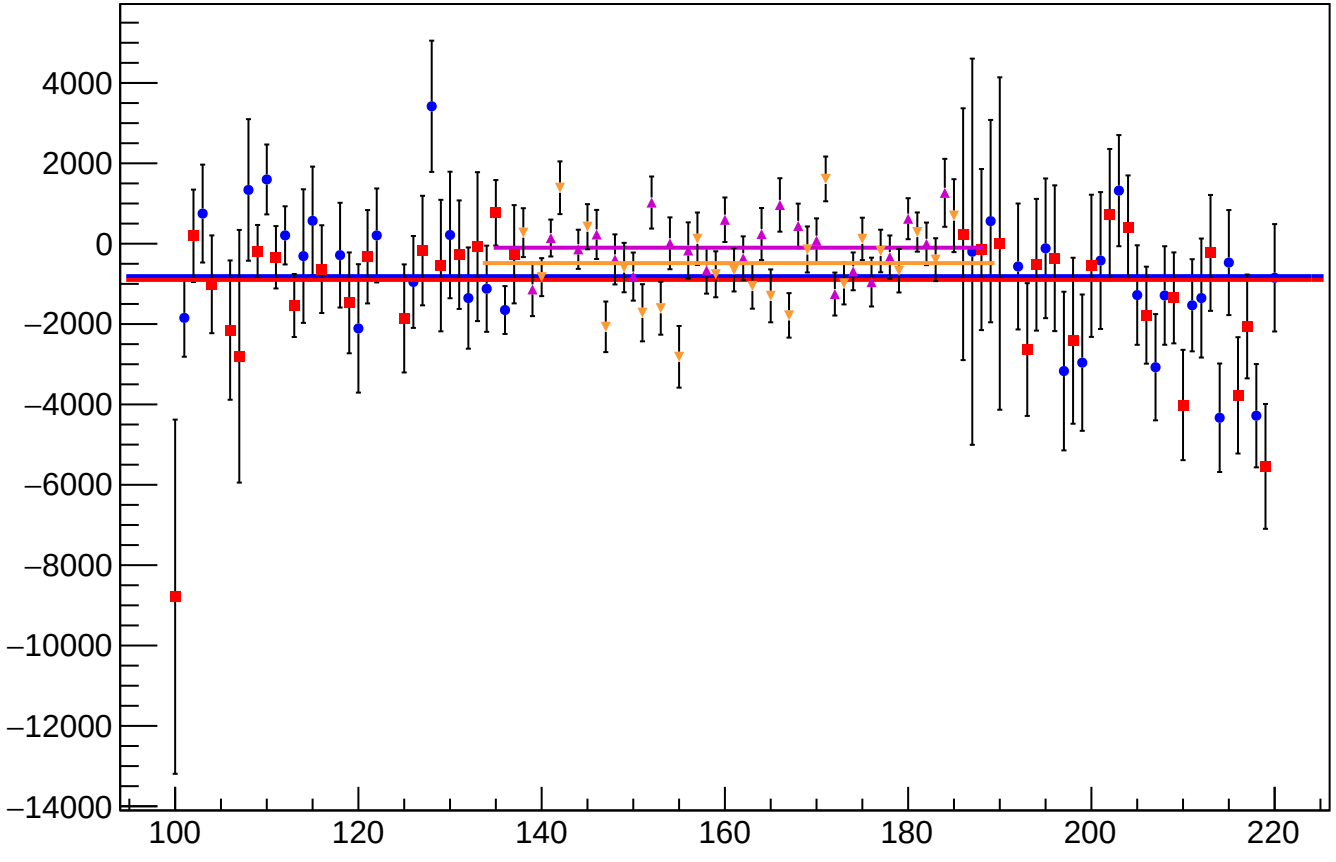
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 772.221+/-0.087 χ^2/NDF: 21931.9/56

All: 773.633+/-0.061 χ^2/NDF: 53081.8/114

- sign 775.060+/-0.087 χ^2/NDF: 30617.0/57

asym_us_dd_dit_correction_mean vs Slug



Right In: -808.048+/-215.141 χ^2/NDF: 49.9/32

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

Right Out: -901.061+/-217.370 χ^2/NDF: 37.5/34

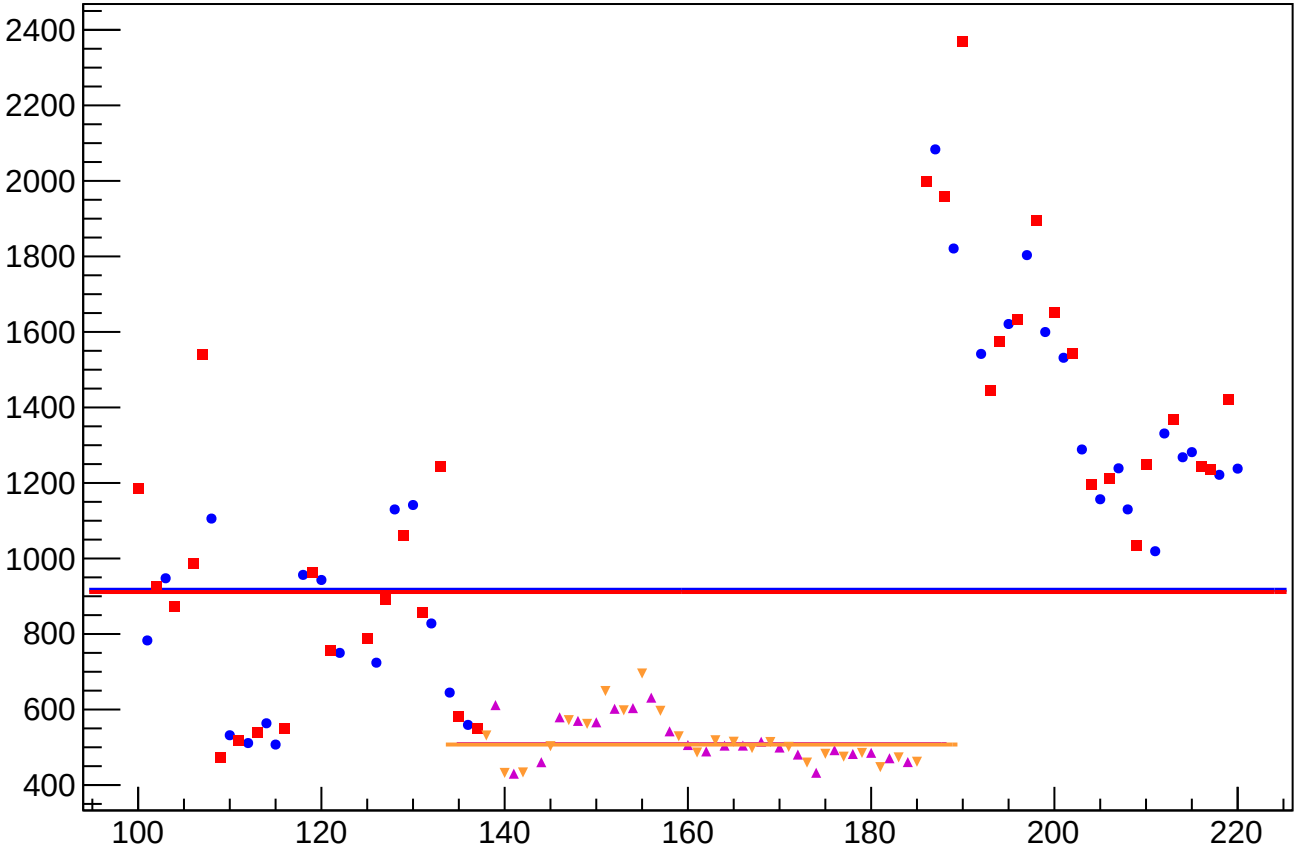
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -558.872+/-104.002 χ^2/NDF: 116.8/56

All: -423.690+/-73.834 χ^2/NDF: 195.5/114

- sign -286.326+/-104.837 χ^2/NDF: 75.3/57

asym_us_dd_dit_correction_rms vs Slug



Right In: 917.169+/-0.152 χ^2/NDF: 5493744.2/32

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

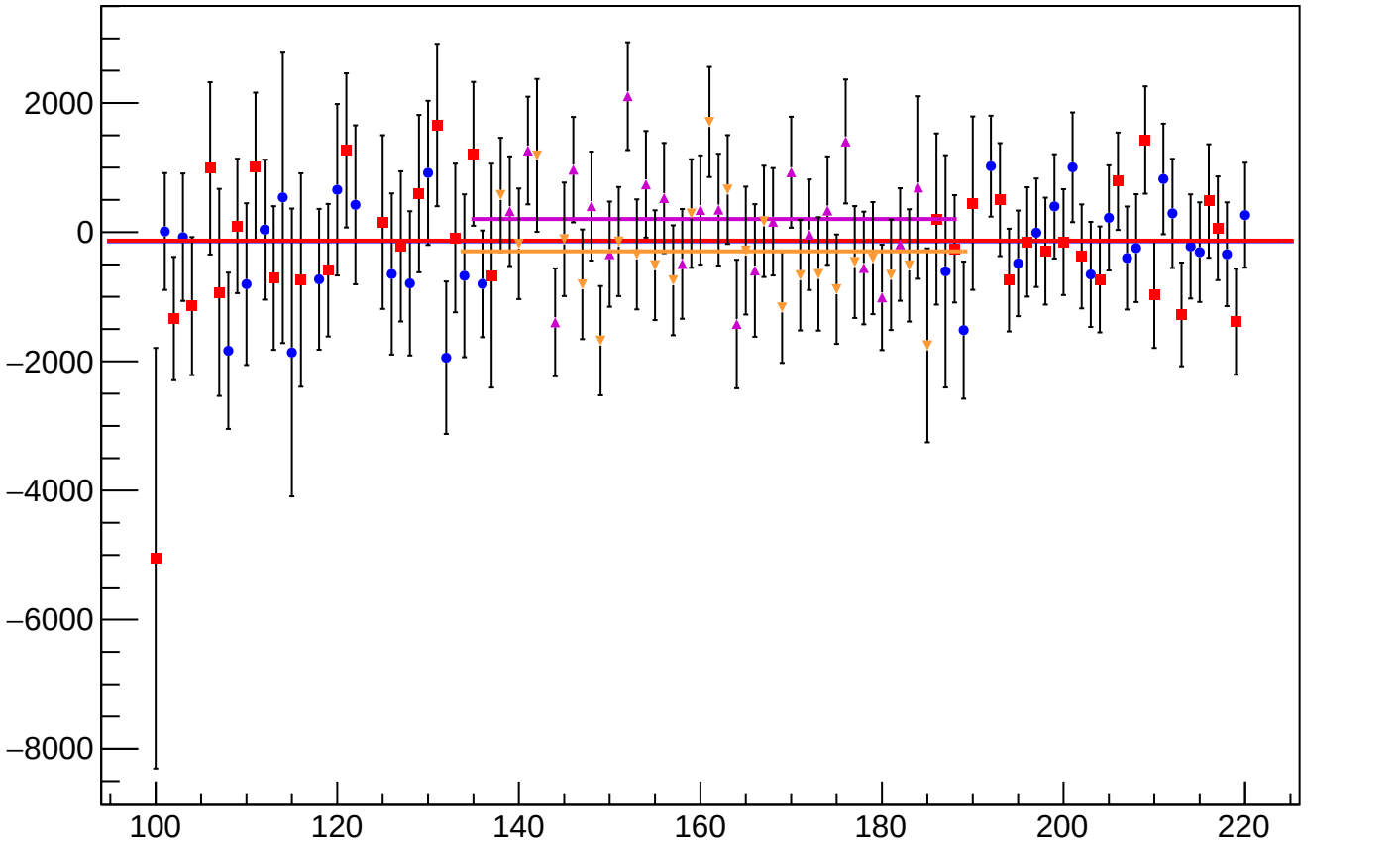
Right Out: 911.226+/-0.154 χ^2/NDF: 6816699.3/34

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

+ sign 603.095+/-0.074 χ^2/NDF: 11529839.1/56

All: 602.694+/-0.052 χ^2/NDF: 24043671.6/11

- sign 602.286+/-0.074 χ^2/NDF: 12513772.4/57



Right In: -140.731+/-167.367 χ^2/NDF: 17.5/32

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

Right Out: -131.535+/-168.070 χ^2/NDF: 25.7/34

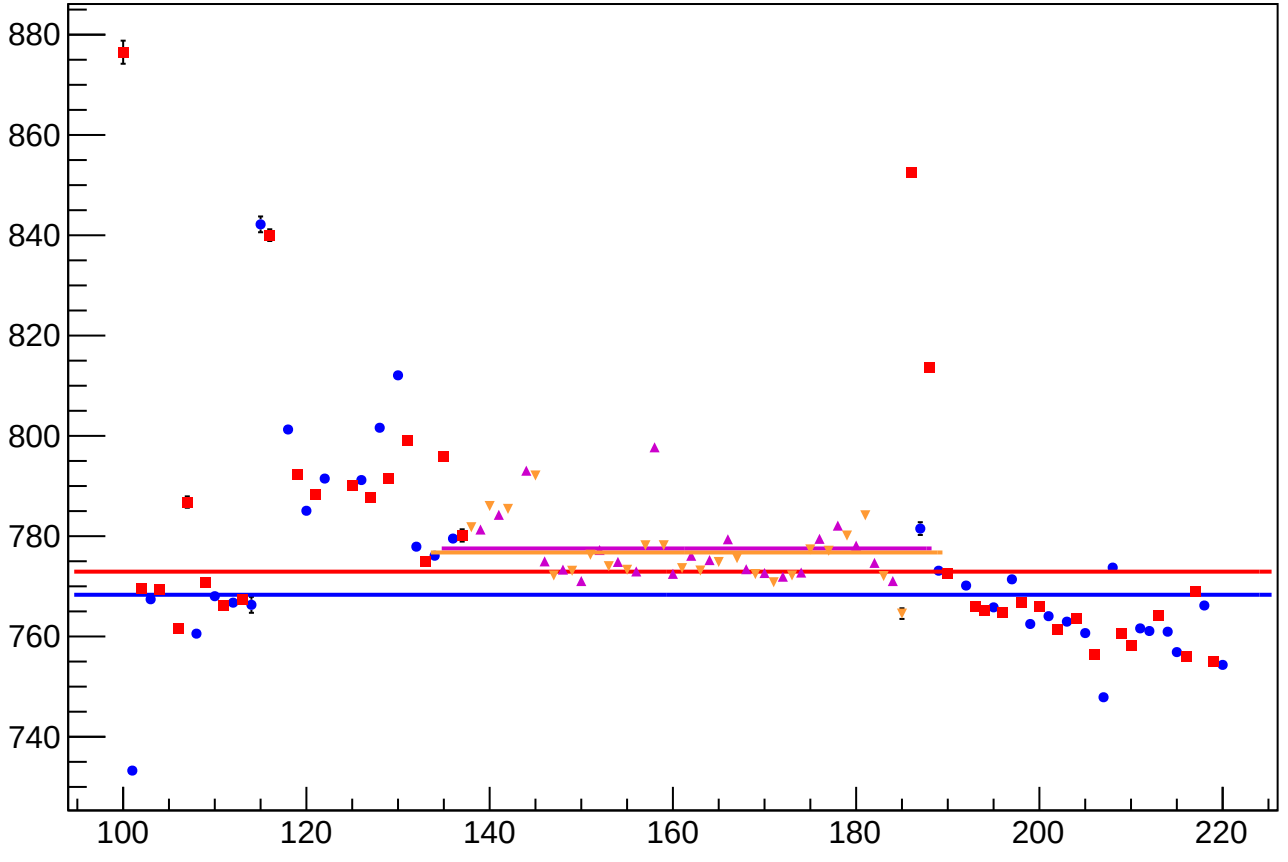
Left In: 203.338+/-181.548 χ^2/NDF:22.1/22

+ sign -212.963+/-122.658 χ^2/NDF: 34.6/56

All: -95.624+/-86.970 χ^2/NDF: 86.0/114

- sign 23.011+/-123.333 χ^2/NDF: 49.7/57

eigen_dit_asym_us_dd_rms vs Slug



Right In: 768.317+/-0.118 χ^2/NDF: 17754.5/32

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

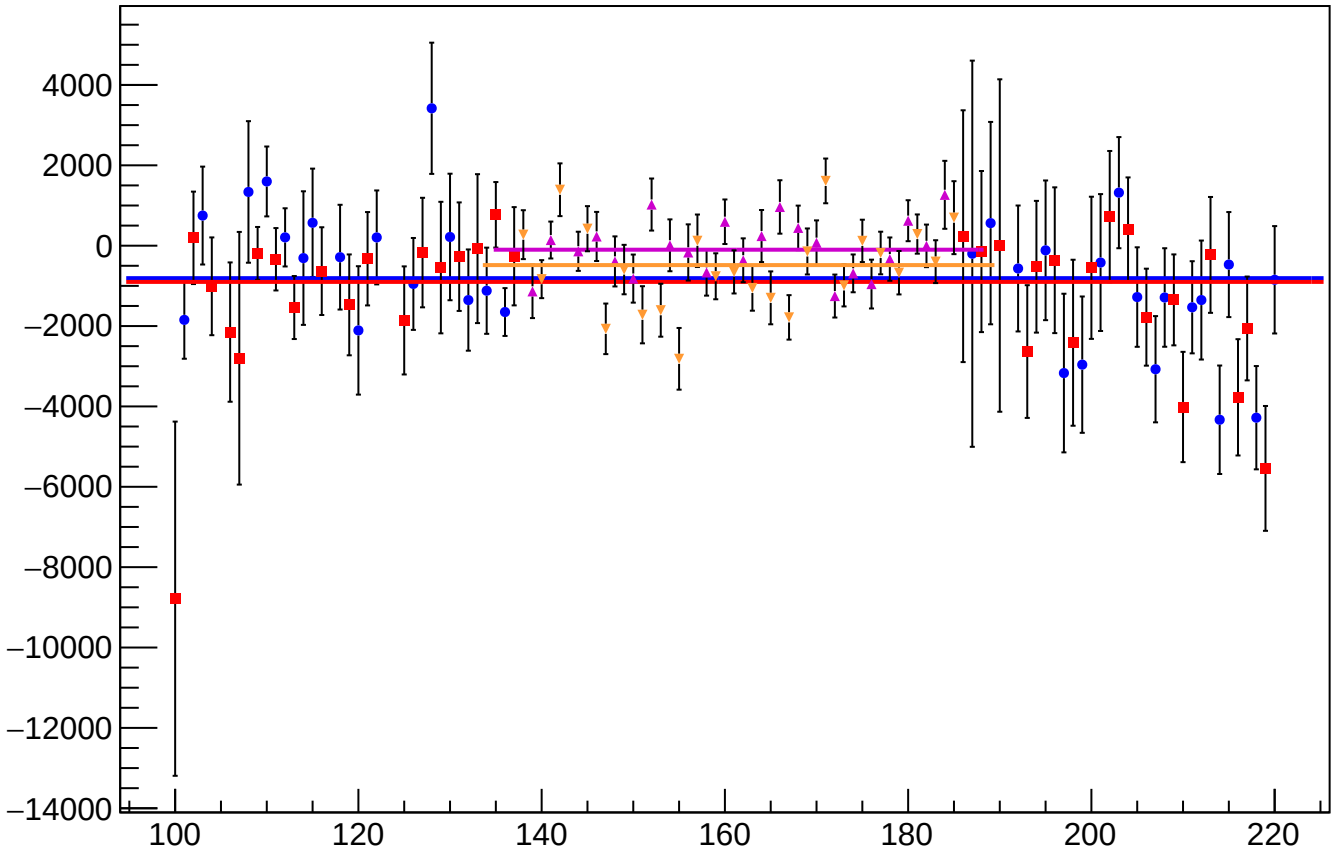
Right Out: 772.927+/-0.119 χ^2/NDF: 27167.9/34

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

+ sign 772.221+/-0.087 χ^2/NDF: 21931.8/56

All: 773.633+/-0.061 χ^2/NDF: 53081.7/114

- sign 775.060+/-0.087 χ^2/NDF: 30617.0/57



Right In: -808.041+/-215.140 χ^2/NDF: 49.9/32

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

Right Out: -901.057+/-217.369 χ^2/NDF: 37.5/34

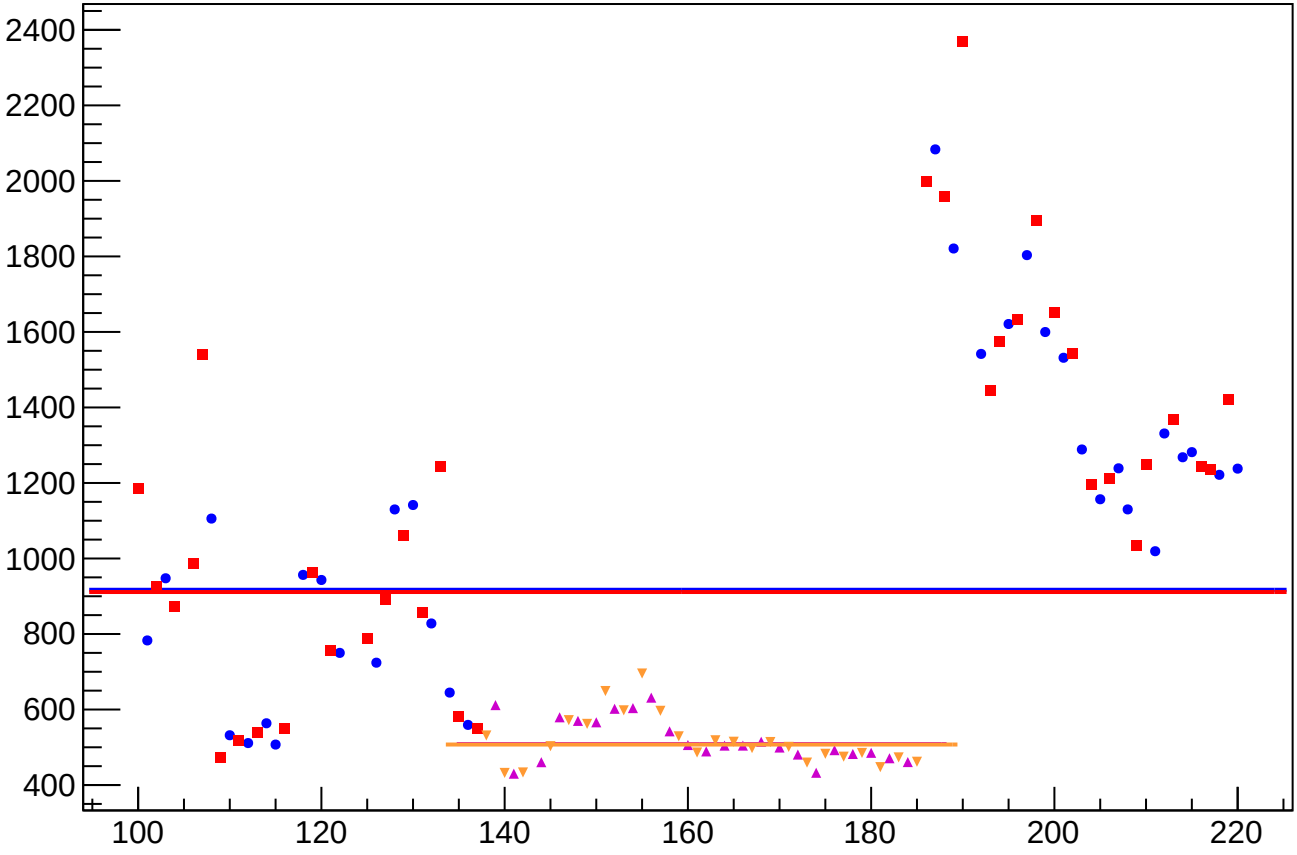
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -558.871+/-104.001 χ^2/NDF: 116.8/56

All: -423.689+/-73.834 χ^2/NDF: 195.5/114

- sign -286.326+/-104.837 χ^2/NDF: 75.3/57

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 917.165+/-0.152 χ^2/NDF: 5493823.3/32

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

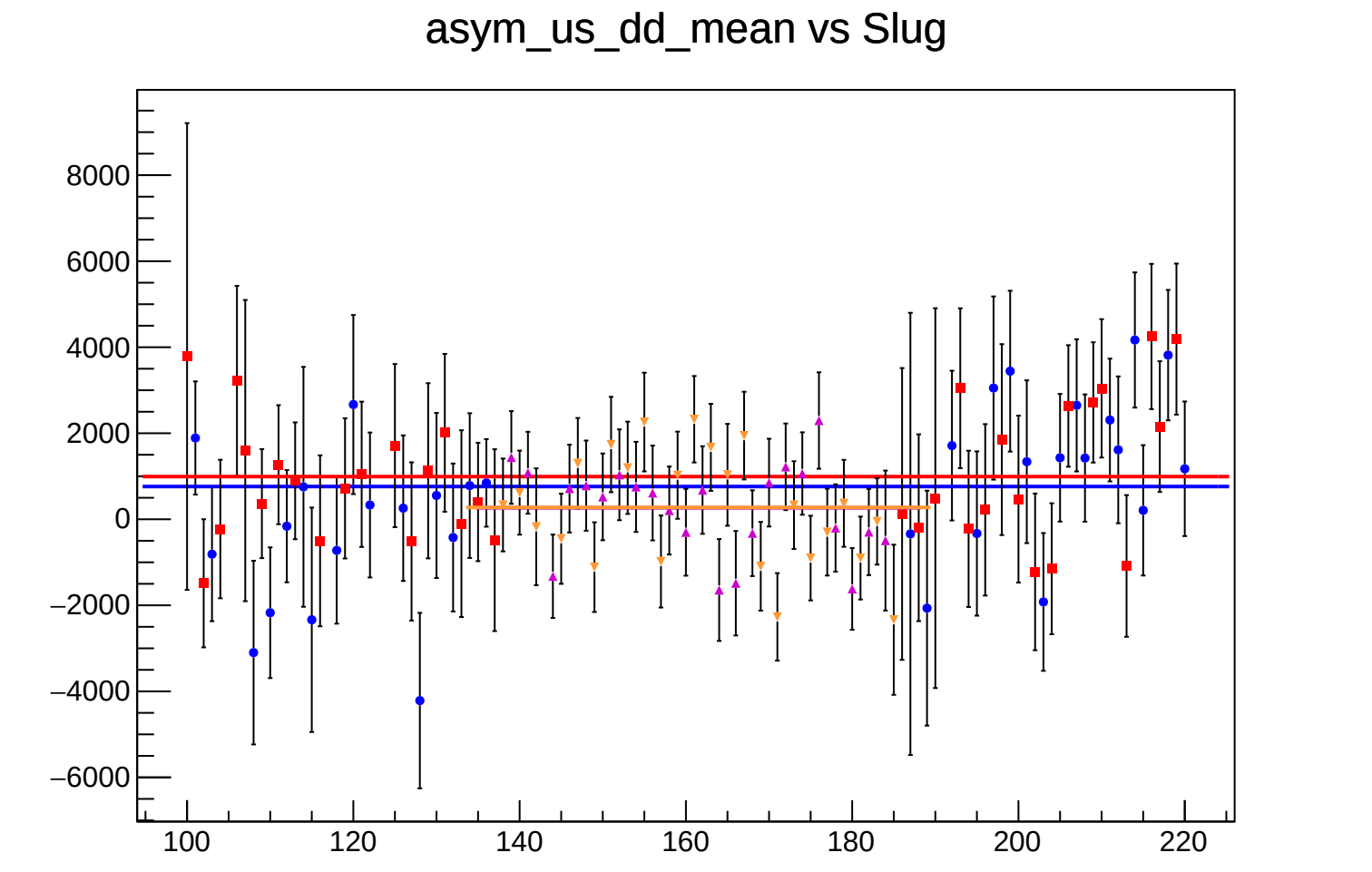
Right Out: 911.223+/-0.154 χ^2/NDF: 6816775.1/34

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

+ sign 603.095+/-0.074 χ^2/NDF: 11529855.3/56

All: 602.693+/-0.052 χ^2/NDF: 24043712.0/11

- sign 602.285+/-0.074 χ^2/NDF: 12513796.6/57



Right In: 761.534+/-291.665 χ^2/NDF: 39.0/32

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

Right Out: 992.627+/-299.120 χ^2/NDF: 27.2/34

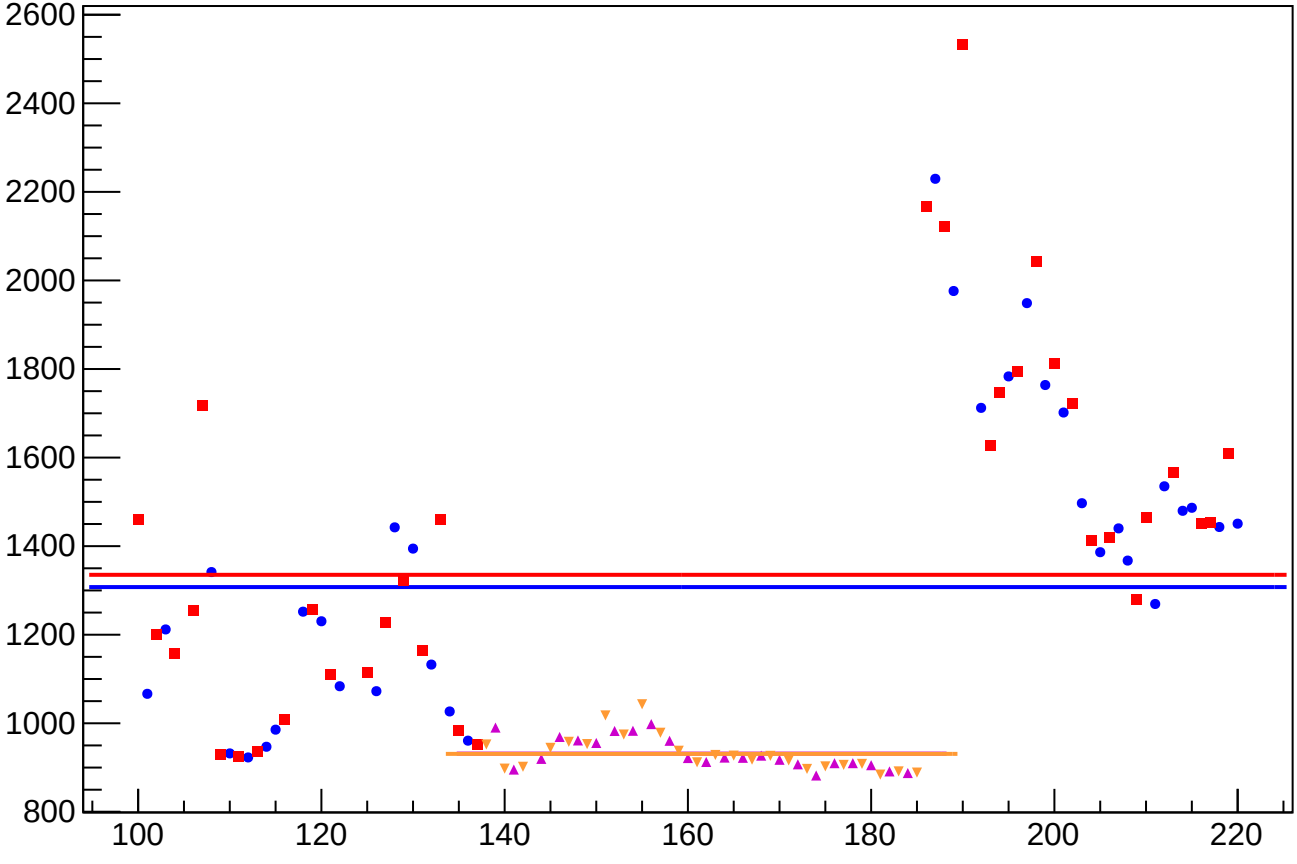
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

\+ sign 447.743+/-173.732 χ^2/NDF: 74.4/56

All: 482.553+/-123.645 χ^2/NDF: 126.9/114

\- sign 518.282+/-176.010 χ^2/NDF: 52.4/57

asym_us_dd_rms vs Slug



Right In: 1307.578+/-0.206 χ^2/NDF: 1812518.0/32

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

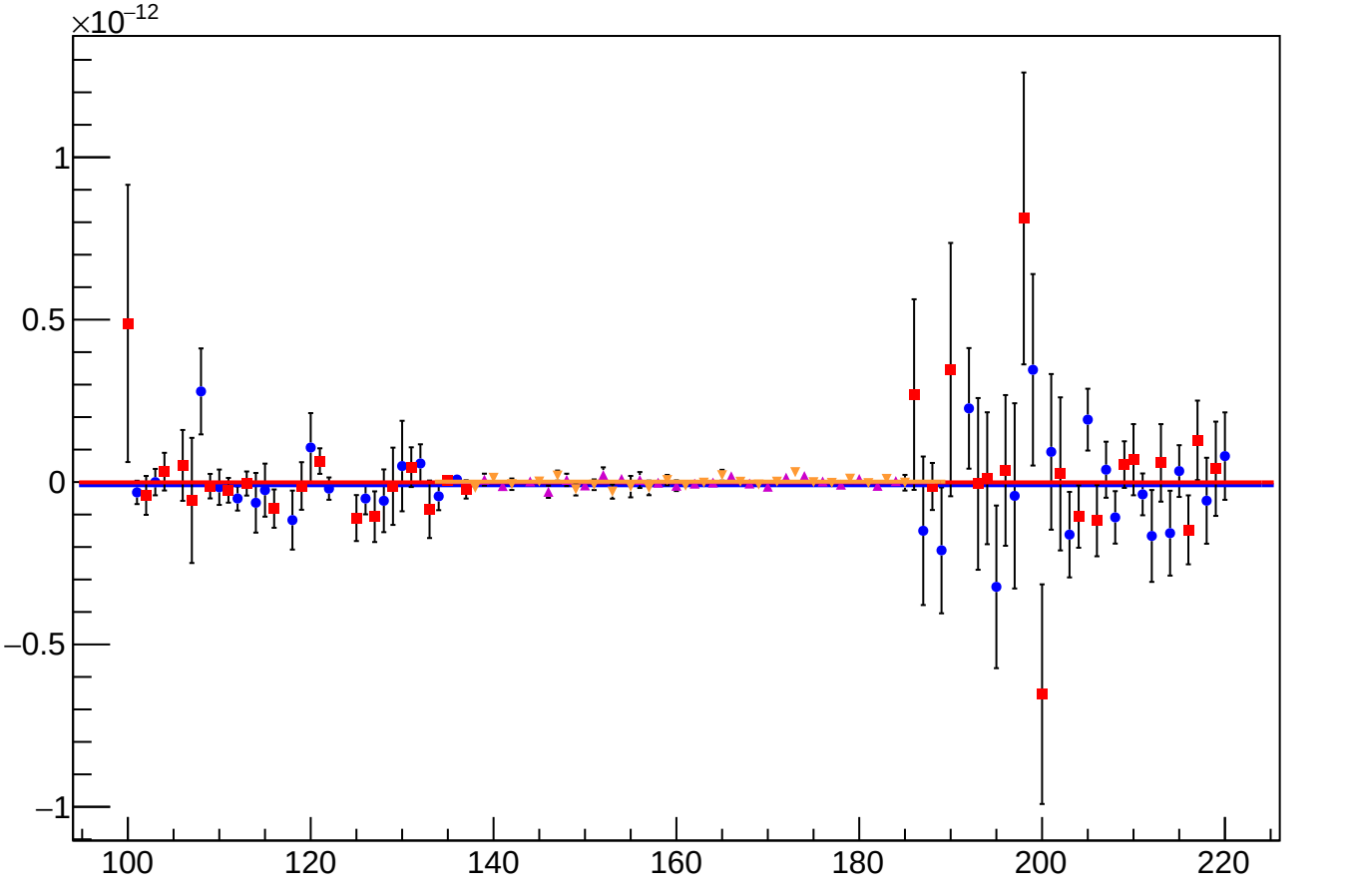
Right Out: 1335.270+/-0.212 χ^2/NDF: 2312995.8/34

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

+ sign 1064.563+/-0.123 χ^2/NDF: 4026467.8/56

All: 1067.909+/-0.087 χ^2/NDF: 8771598.8/11

- sign 1071.343+/-0.124 χ^2/NDF: 4743627.4/57



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/32

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

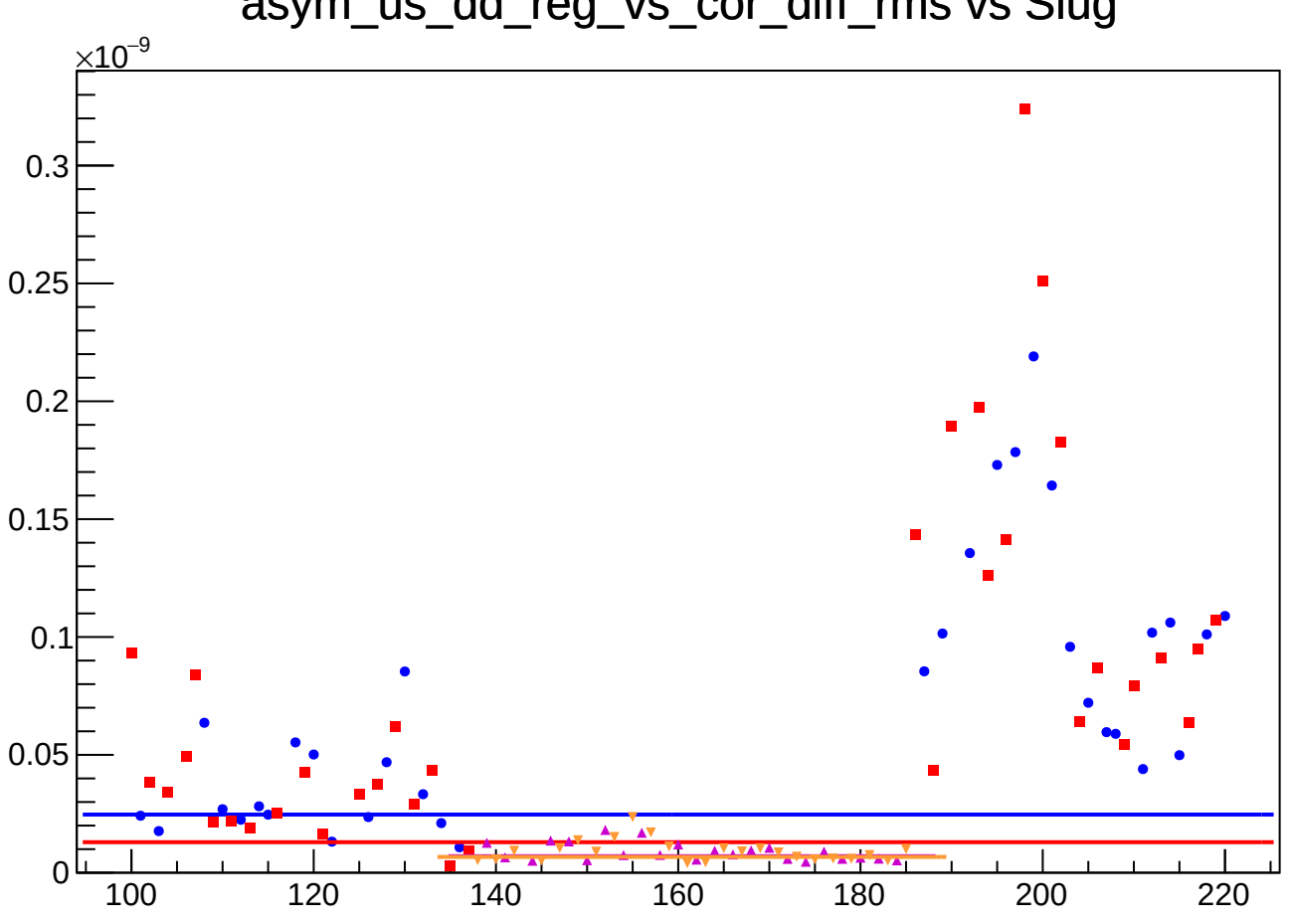
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/34

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

+ sign 0.000+/-0.000 χ^2/NDF: 58.3/56

All: 0.000+/-0.000 χ^2/NDF: 110.1/114

- sign 0.000+/-0.000 χ^2/NDF: 51.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 11991612.1/32

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

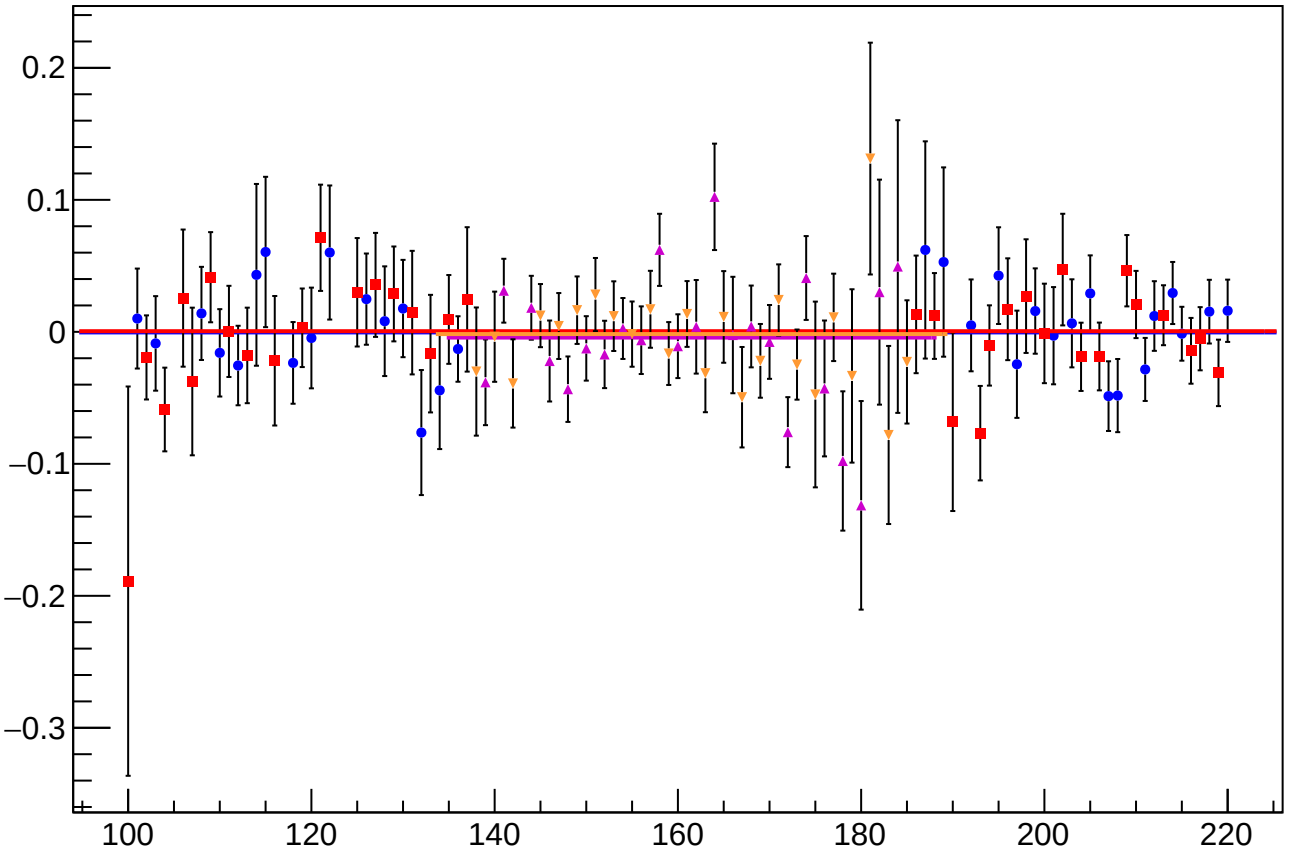
Right Out: 0.000+/-0.000 χ^2/NDF: 17922716.4/34

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

+ sign 0.000+/-0.000 χ^2/NDF: 21503026.5/56

All: 0.000+/-0.000 χ^2/NDF: 43130188.3/114

- sign 0.000+/-0.000 χ^2/NDF: 21626983.4/57



Right In: -0.000+/-0.006 χ^2/NDF: 24.0/32

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

Right Out: 0.000+/-0.006 χ^2/NDF: 28.4/34

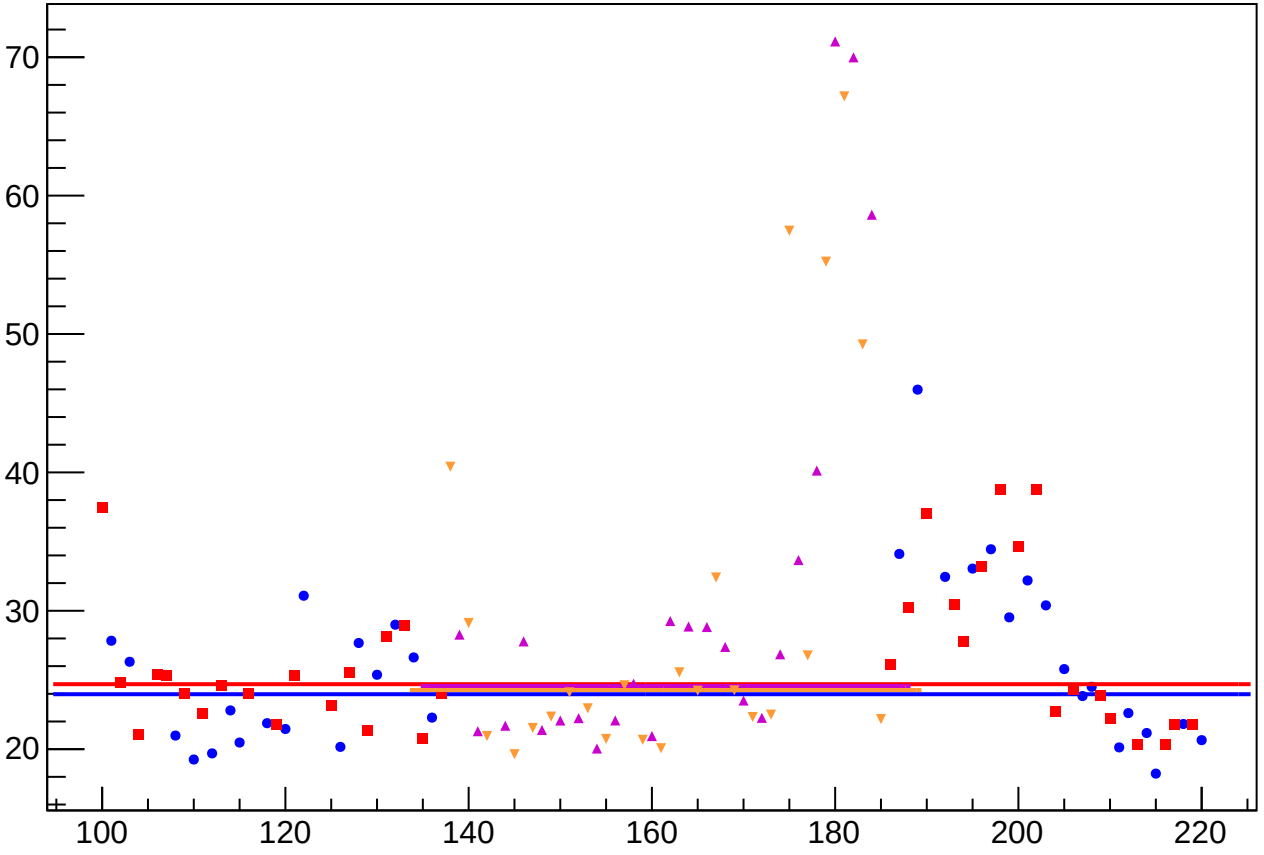
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.004 χ^2/NDF: 38.7/56

All: -0.001+/-0.003 χ^2/NDF: 103.9/114

- sign -0.002+/-0.004 χ^2/NDF: 65.2/57

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.970+/-0.004 χ^2/NDF: 1405375.4/32

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

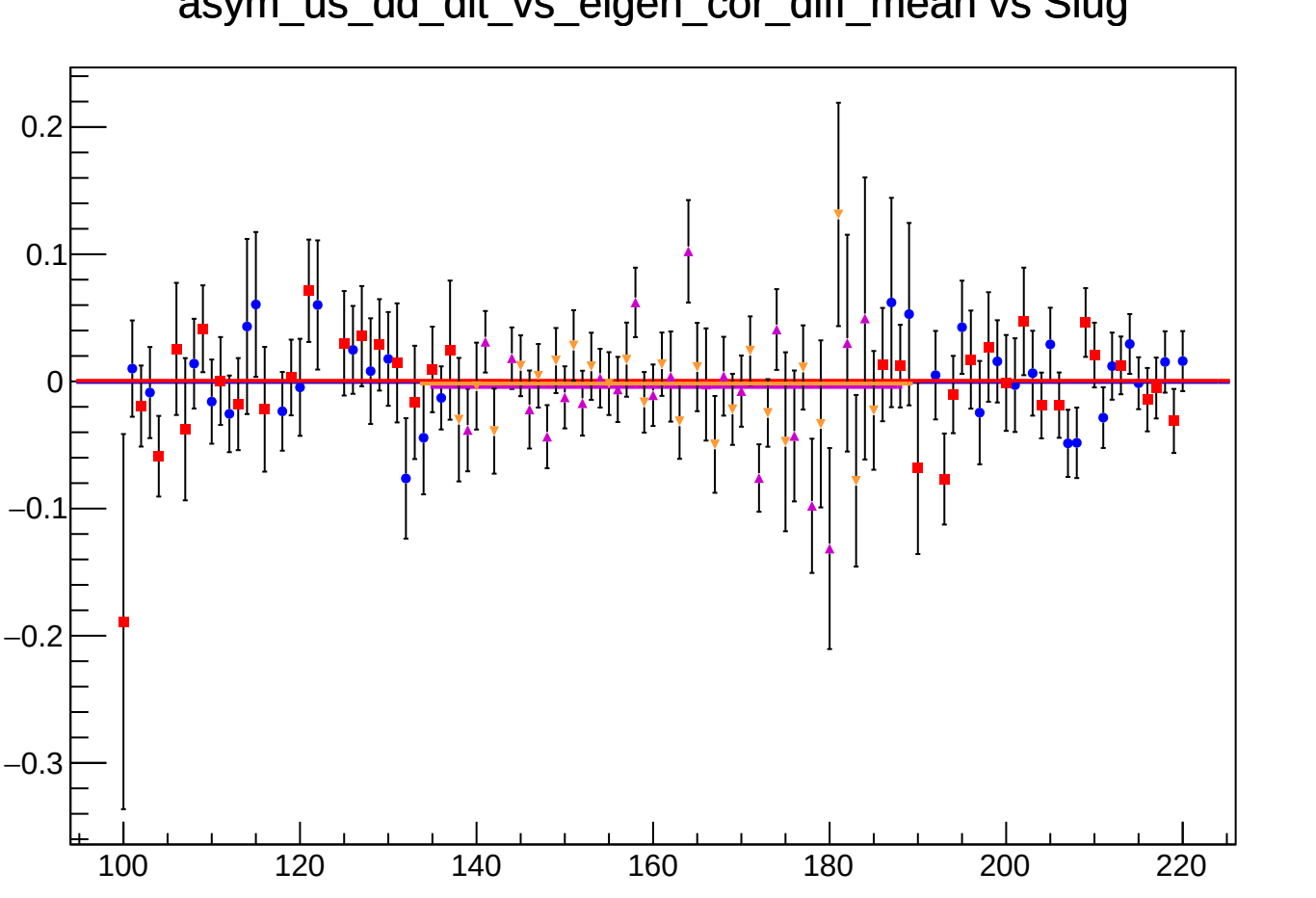
Right Out: 24.696+/-0.004 χ^2/NDF: 1241869.4/34

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

+ sign 24.104+/-0.003 χ^2/NDF: 3718628.8/56

All: 24.367+/-0.002 χ^2/NDF: 7109680.6/114

- sign 24.637+/-0.003 χ^2/NDF: 3375249.9/57



Right In: -0.000+/-0.006 χ^2/NDF: 24.0/32

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

Right Out: 0.000+/-0.006 χ^2/NDF: 28.4/34

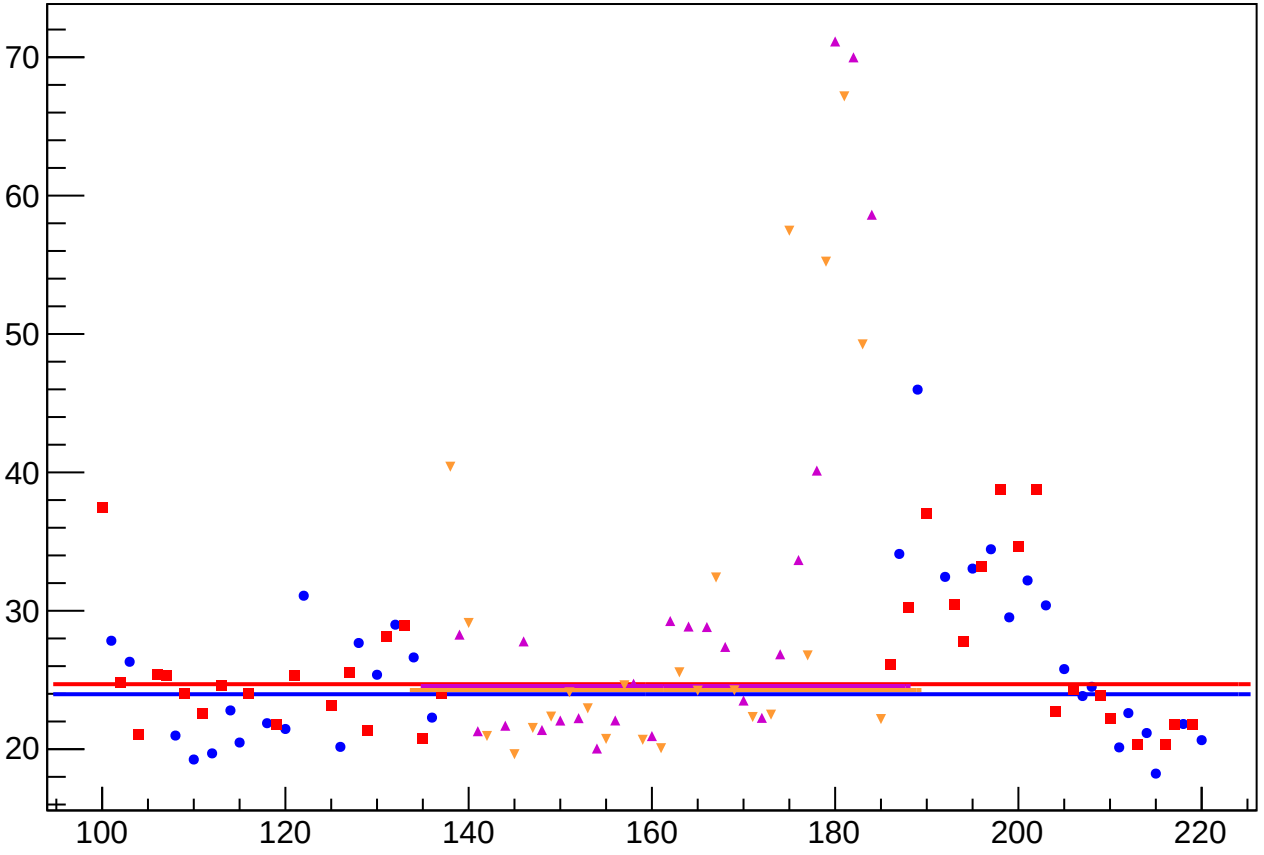
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.004 χ^2/NDF: 38.7/56

All: -0.001+/-0.003 χ^2/NDF: 103.9/114

- sign -0.002+/-0.004 χ^2/NDF: 65.2/57

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.970+/-0.004 χ^2/NDF: 1405375.4/32

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

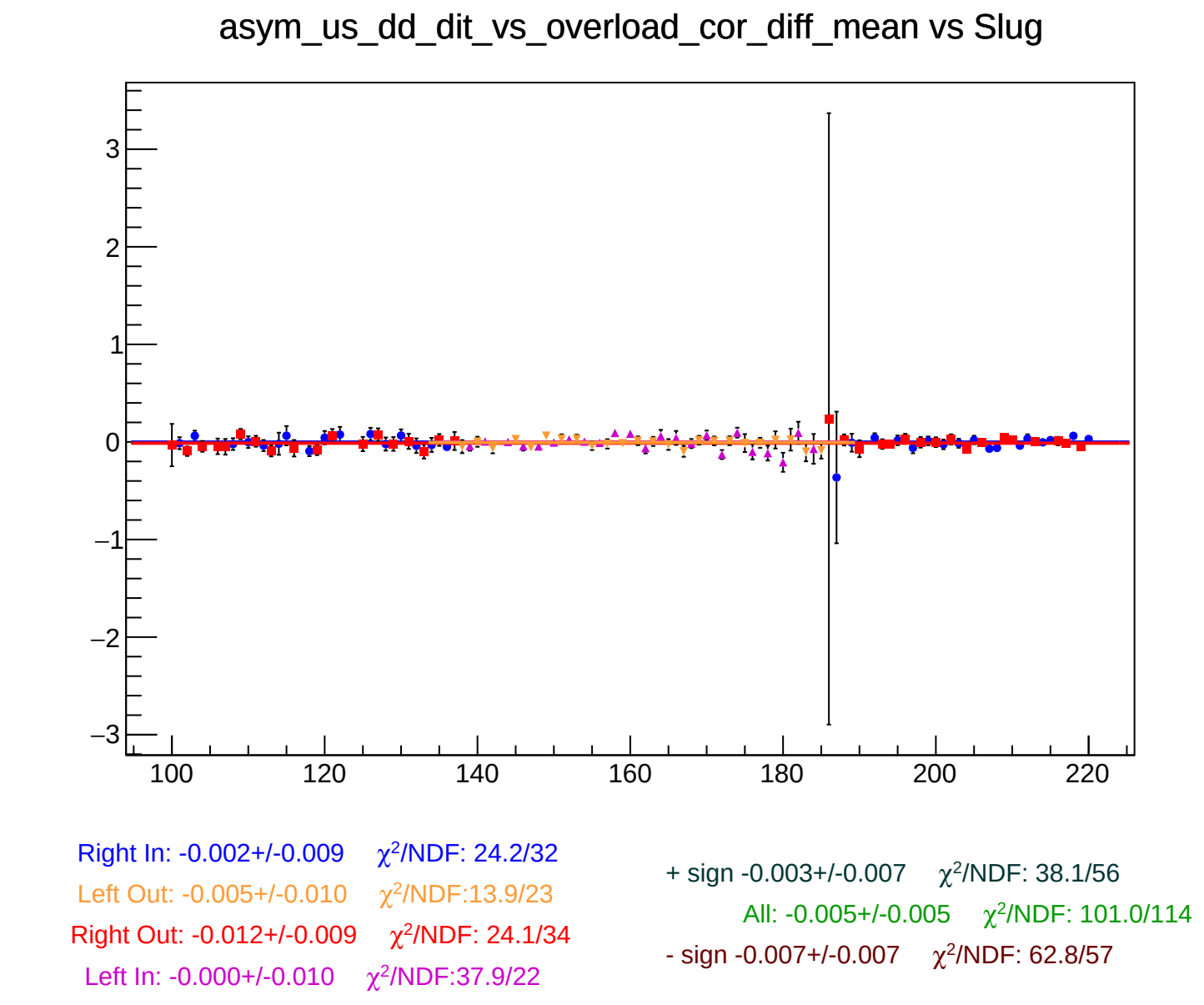
Right Out: 24.696+/-0.004 χ^2/NDF: 1241869.4/34

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

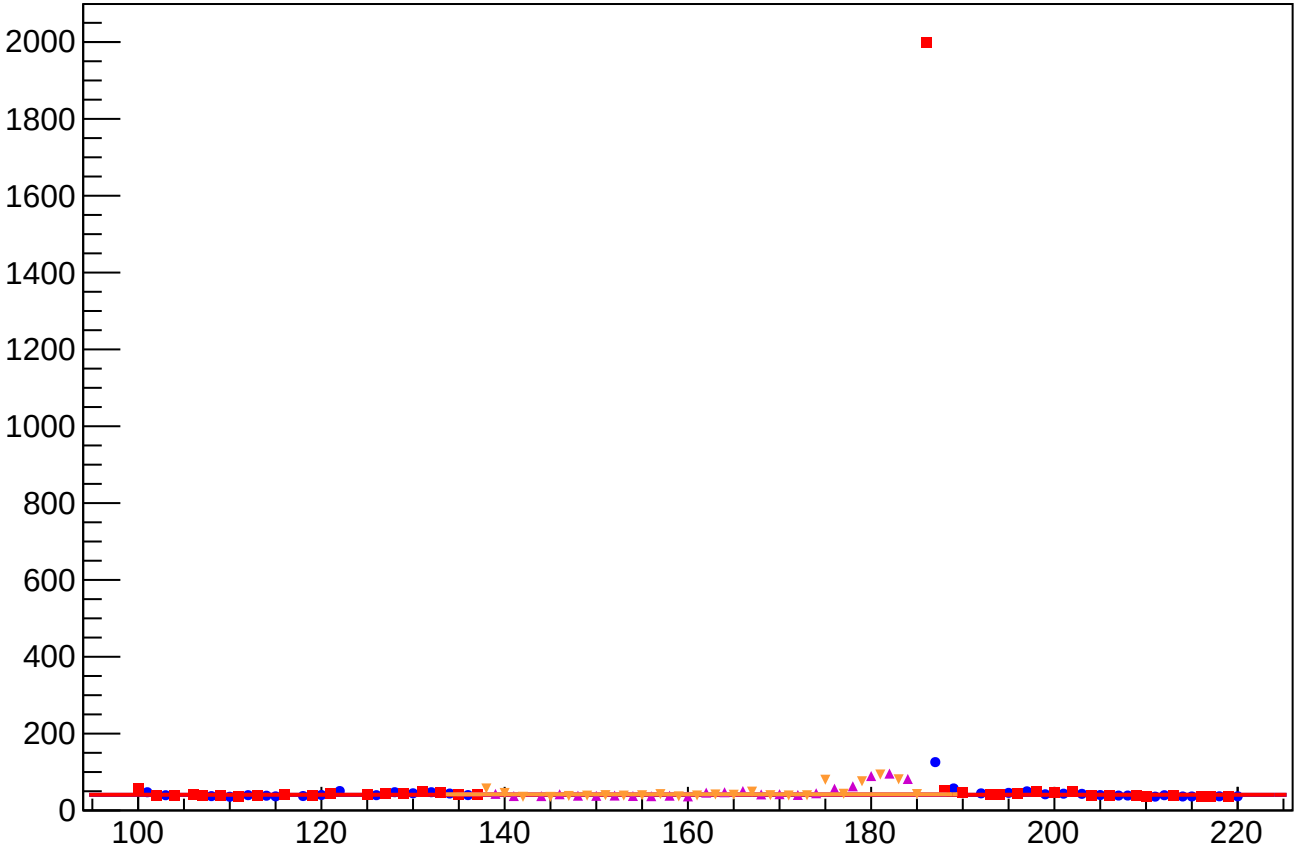
+ sign 24.104+/-0.003 χ^2/NDF: 3718628.8/56

All: 24.367+/-0.002 χ^2/NDF: 7109680.6/114

- sign 24.637+/-0.003 χ^2/NDF: 3375249.9/57


asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
220
Right In: -0.002+/-0.009 χ²/NDF: 24.2/32
Left Out: -0.005+/-0.010 χ²/NDF:13.9/23
Right Out: -0.012+/-0.009 χ²/NDF: 24.1/34
Left In: -0.000+/-0.010 χ²/NDF:37.9/22
+ sign -0.003+/-0.007 χ²/NDF: 38.1/56
All: -0.005+/-0.005 χ²/NDF: 101.0/114
- sign -0.007+/-0.007 χ²/NDF: 62.8/57

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 40.516+/-0.006 χ^2/NDF: 458571.2/32

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

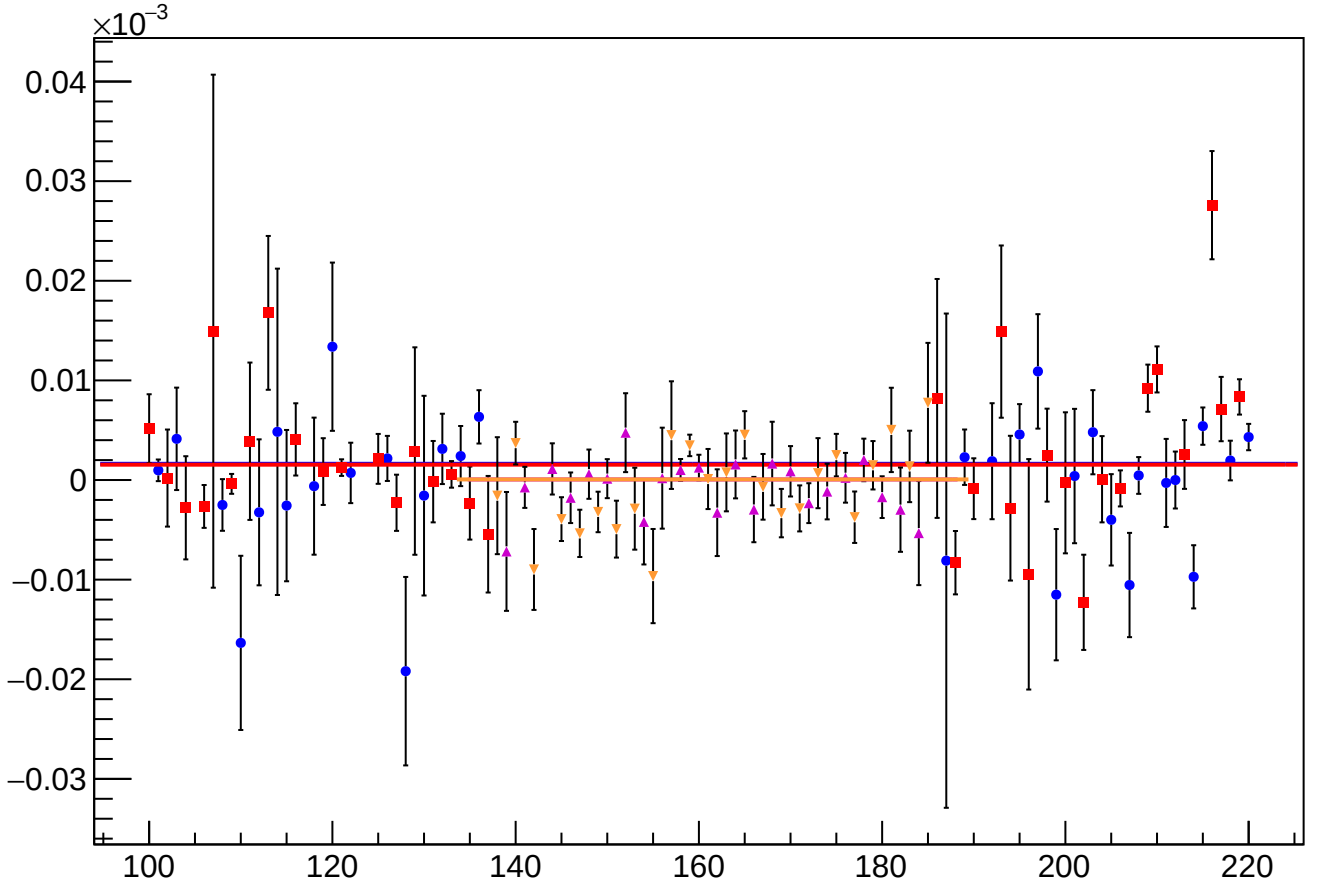
Right Out: 40.870+/-0.007 χ^2/NDF: 1200203.4/34

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

+ sign 41.199+/-0.005 χ^2/NDF: 2200478.1/56

All: 41.300+/-0.003 χ^2/NDF: 4960143.5/114

- sign 41.402+/-0.005 χ^2/NDF: 2758798.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 55.8/32

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

Right Out: 0.000+/-0.000 χ^2/NDF: 112.4/34

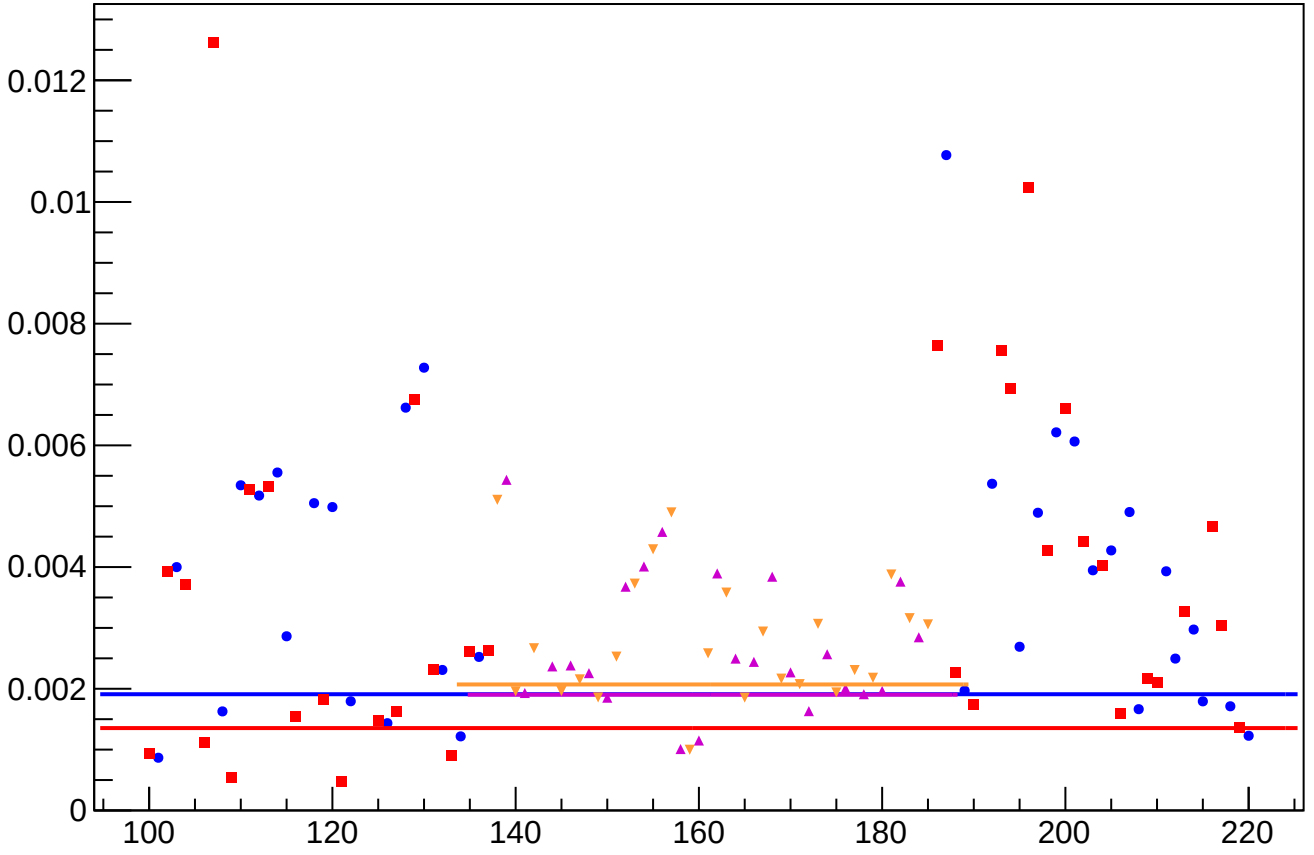
Left In: 0.000+/-0.000 χ^2/NDF:13.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 112.1/56

All: 0.000+/-0.000 χ^2/NDF: 242.7/114

- sign 0.000+/-0.000 χ^2/NDF: 130.6/57

asym_us_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11331132.6/32

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

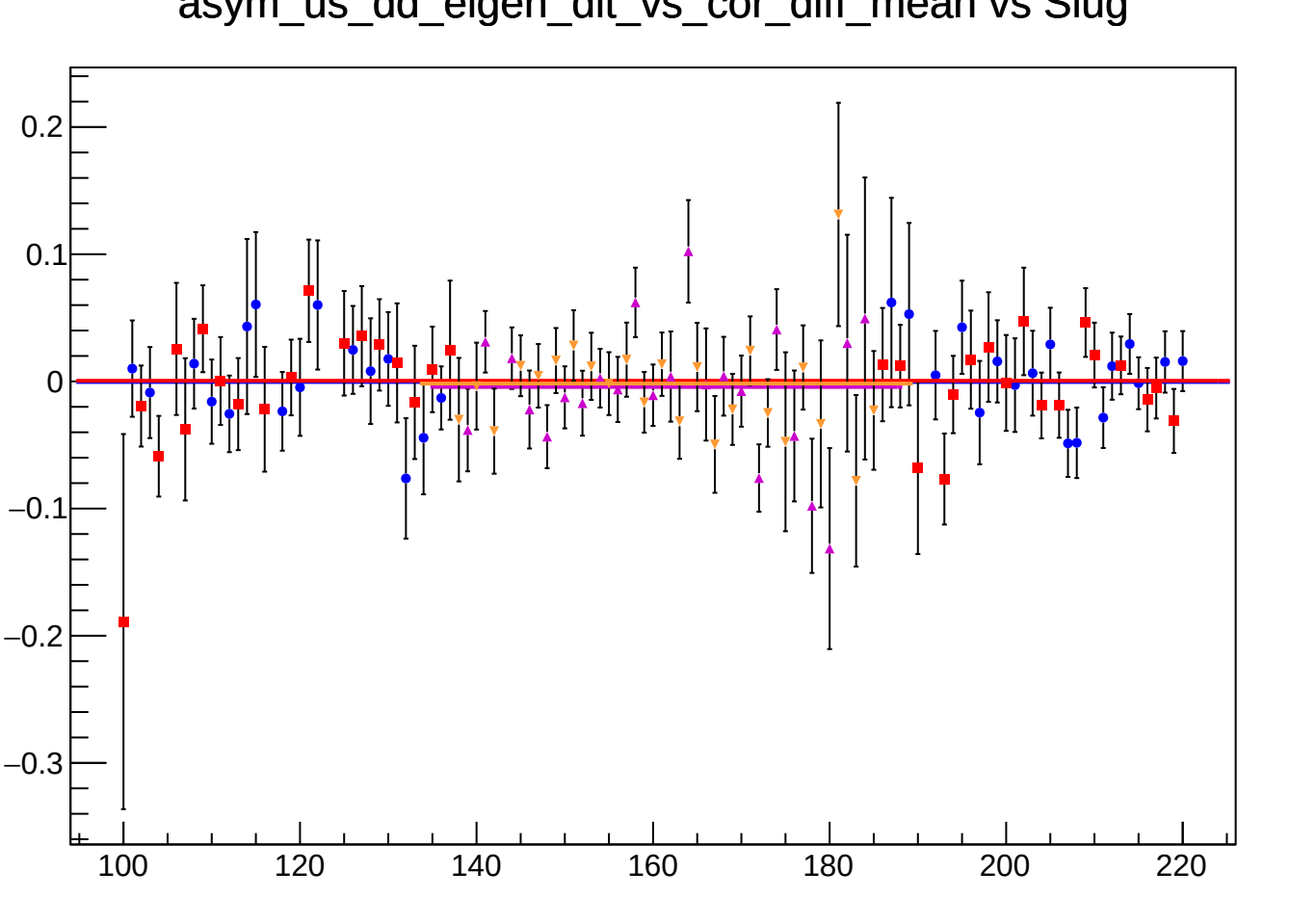
Right Out: 0.001+/-0.000 χ^2/NDF: 17267919.8/34

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

+ sign 0.002+/-0.000 χ^2/NDF: 16691802.8/56

All: 0.002+/-0.000 χ^2/NDF: 42714549.4/114

- sign 0.002+/-0.000 χ^2/NDF: 24636133.5/57



Right In: -0.000+/-0.006 χ^2/NDF: 24.0/32

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

Right Out: 0.000+/-0.006 χ^2/NDF: 28.4/34

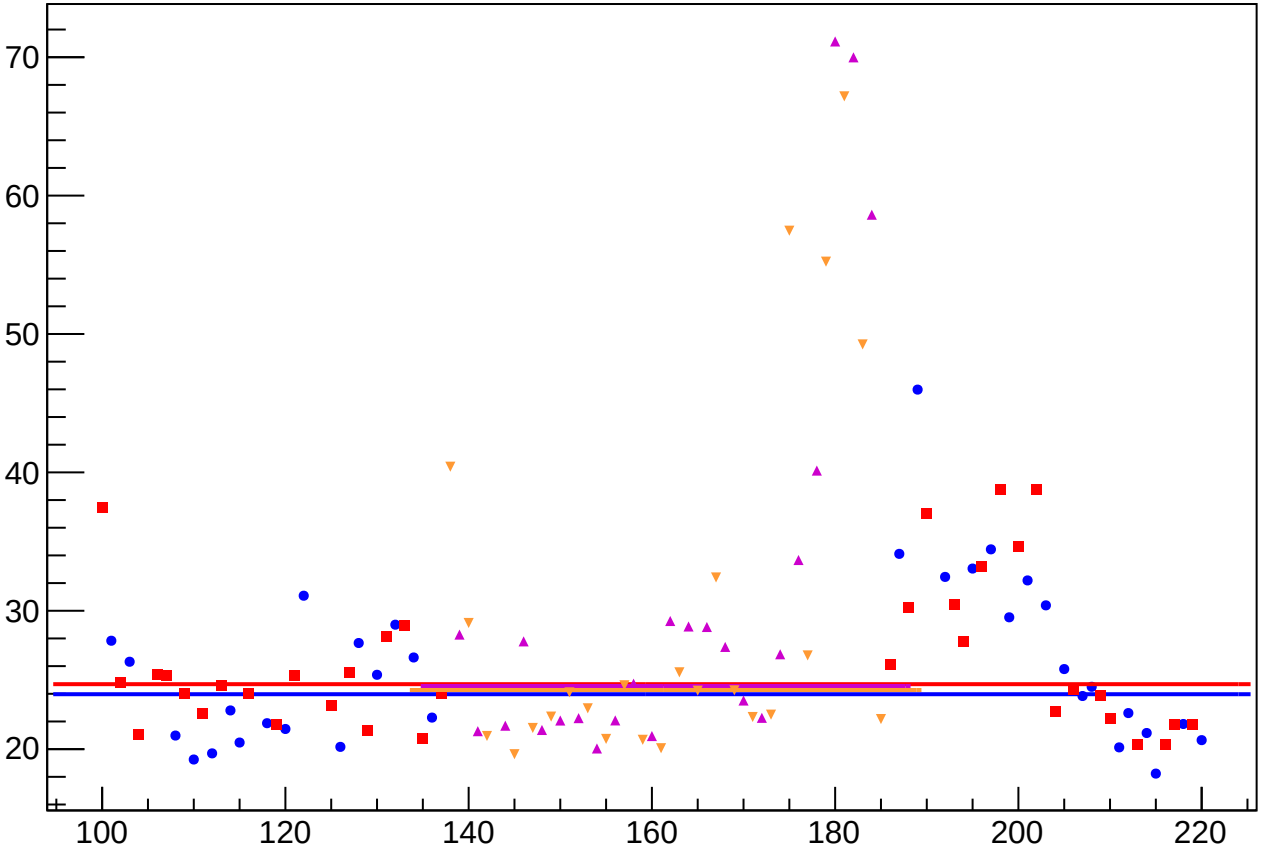
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign -0.001+/-0.004 χ^2/NDF: 38.7/56

All: -0.001+/-0.003 χ^2/NDF: 103.9/114

- sign -0.002+/-0.004 χ^2/NDF: 65.2/57

asym_us_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.970+/-0.004 χ^2/NDF: 1405343.4/32

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

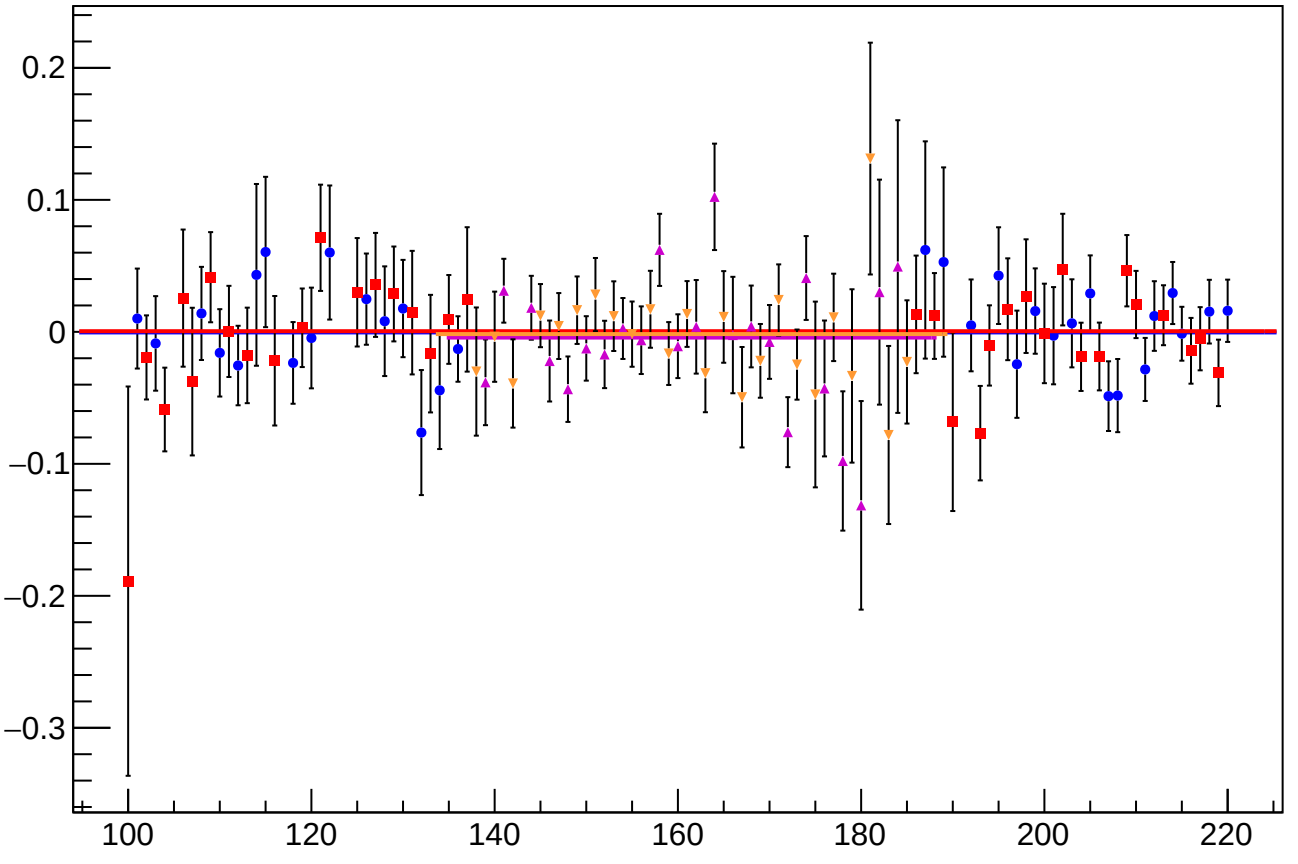
Right Out: 24.696+/-0.004 χ^2/NDF: 1241856.2/34

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

+ sign 24.104+/-0.003 χ^2/NDF: 3718607.5/56

All: 24.367+/-0.002 χ^2/NDF: 7109526.0/114

- sign 24.637+/-0.003 χ^2/NDF: 3375099.7/57



Right In: -0.000+/-0.006 χ^2/NDF: 24.0/32

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

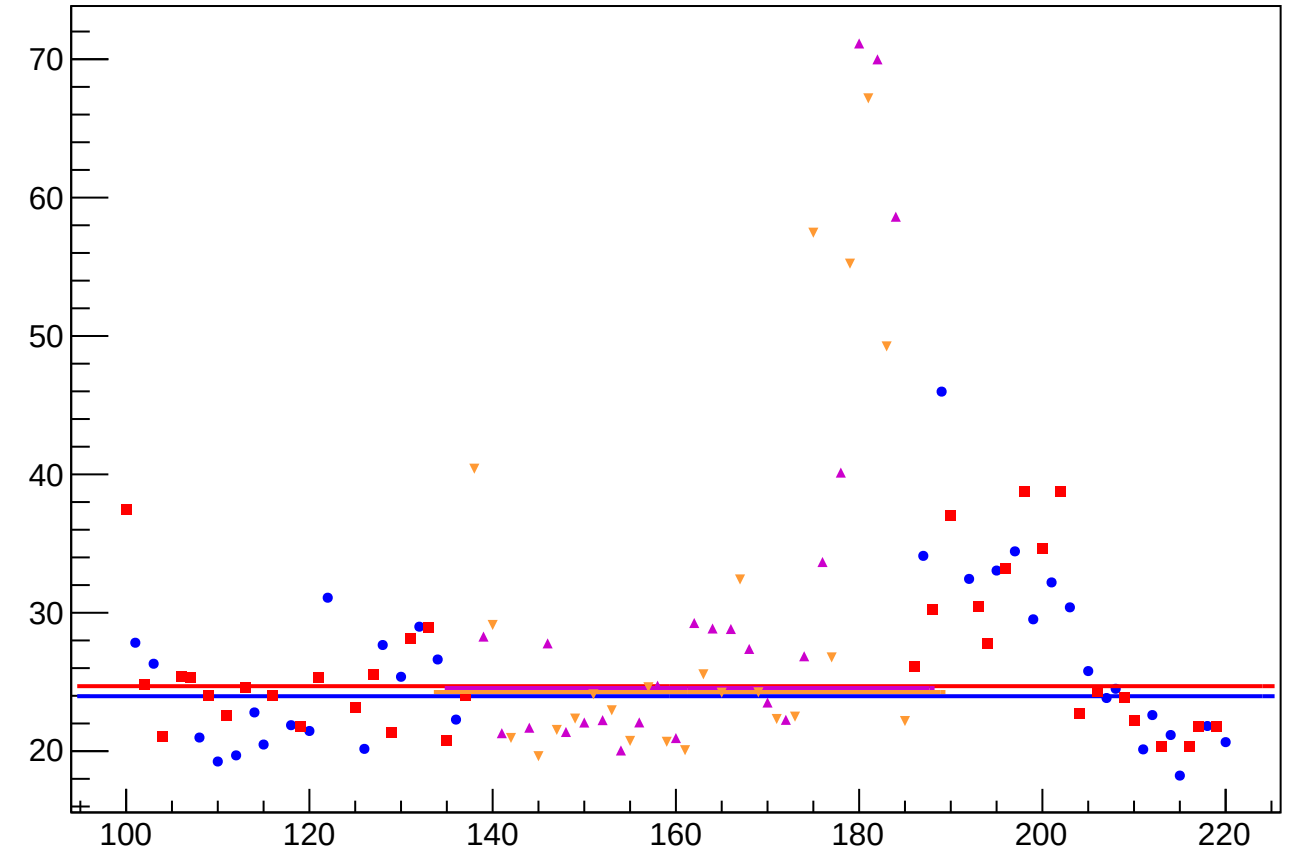
Right Out: 0.000+/-0.006 χ^2/NDF: 28.4/34

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

+ sign -0.001+/-0.004 χ^2/NDF: 38.7/56

All: -0.001+/-0.003 χ^2/NDF: 103.9/114

- sign -0.002+/-0.004 χ^2/NDF: 65.2/57



Right In: 23.970+/-0.004 χ^2/NDF: 1405343.4/32

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

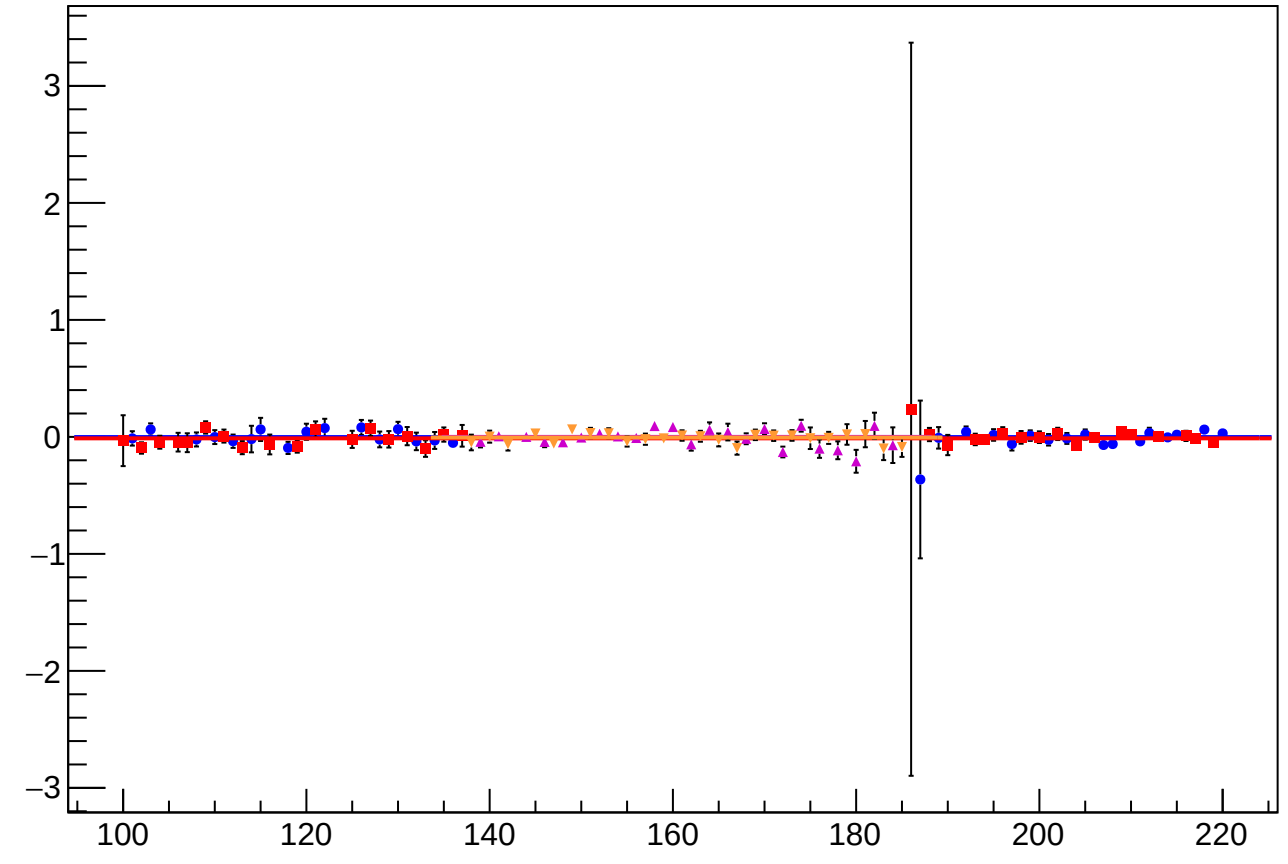
Right Out: 24.696+/-0.004 χ^2/NDF: 1241856.2/34

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

+ sign 24.104+/-0.003 χ^2/NDF: 3718607.5/56

All: 24.367+/-0.002 χ^2/NDF: 7109526.0/114

- sign 24.637+/-0.003 χ^2/NDF: 3375099.7/57



Right In: -0.002+/-0.009 χ^2/NDF: 24.2/32

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

Right Out: -0.012+/-0.009 χ^2/NDF: 24.0/34

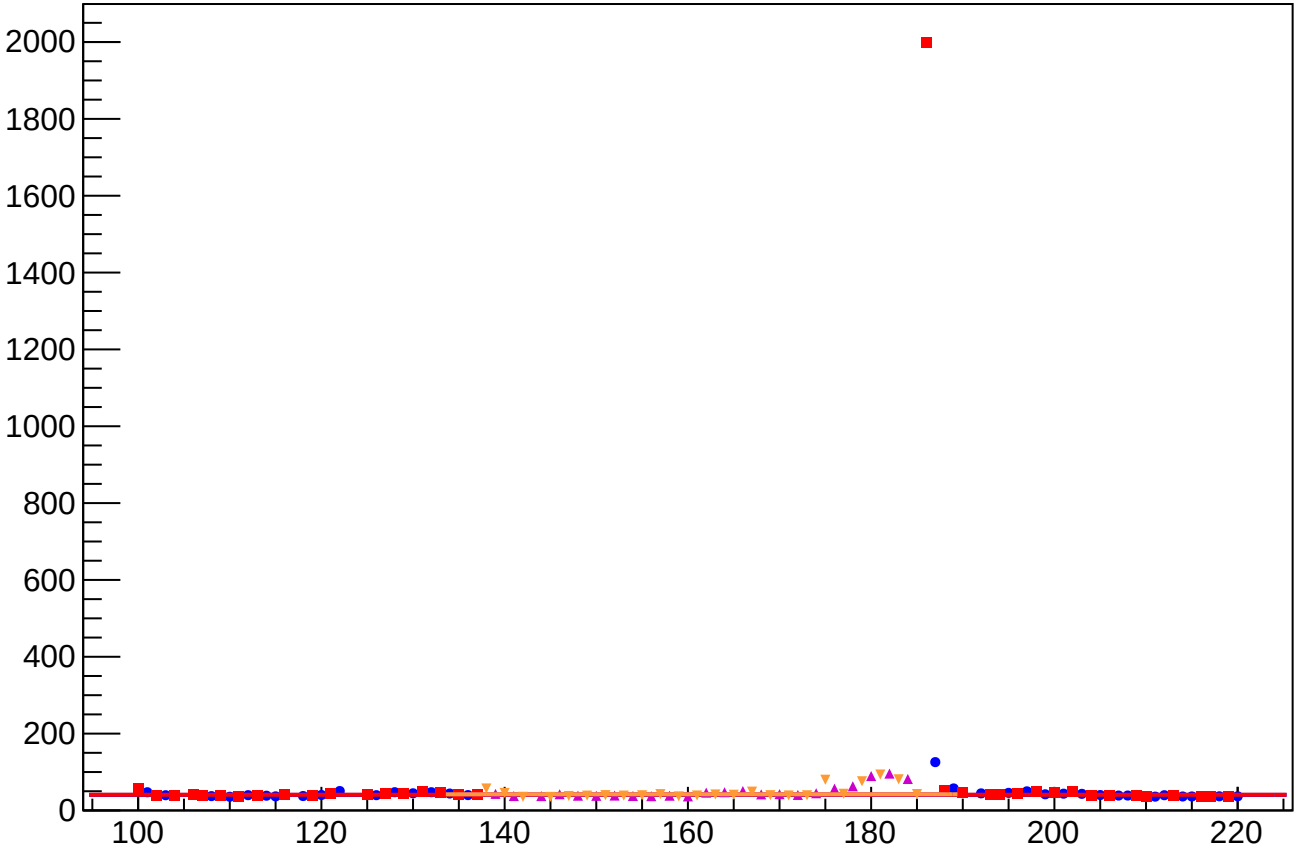
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.003+/-0.007 χ^2/NDF: 38.1/56

All: -0.005+/-0.005 χ^2/NDF: 101.0/114

- sign -0.007+/-0.007 χ^2/NDF: 62.8/57

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 40.516+/-0.006 χ^2/NDF: 458512.6/32

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

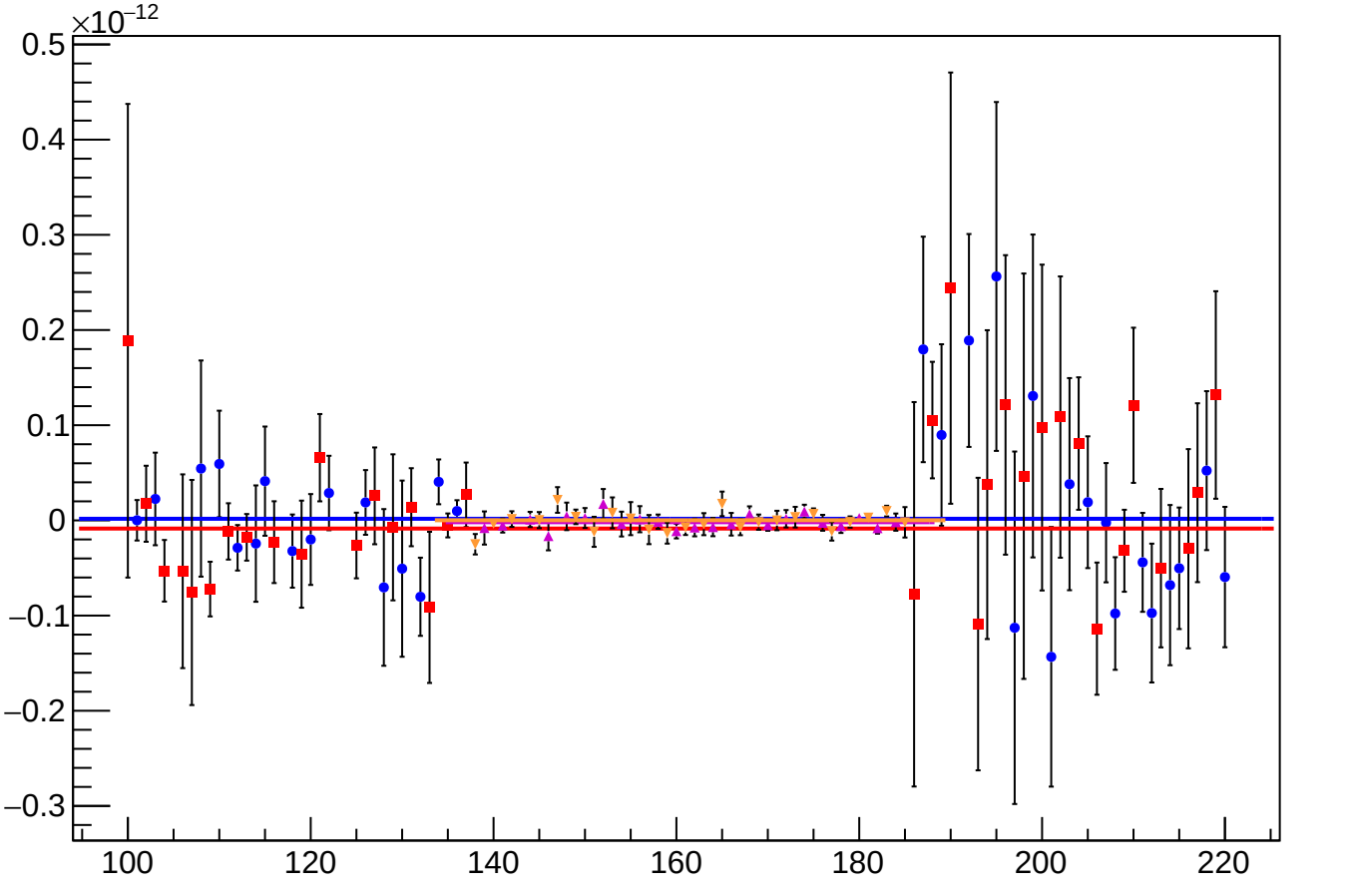
Right Out: 40.870+/-0.007 χ^2/NDF: 1200217.9/34

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

+ sign 41.199+/-0.005 χ^2/NDF: 2200411.2/56

All: 41.300+/-0.003 χ^2/NDF: 4960071.7/114

- sign 41.402+/-0.005 χ^2/NDF: 2758793.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 31.7/32

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

Right Out: -0.000+/-0.000 χ^2/NDF: 30.7/34

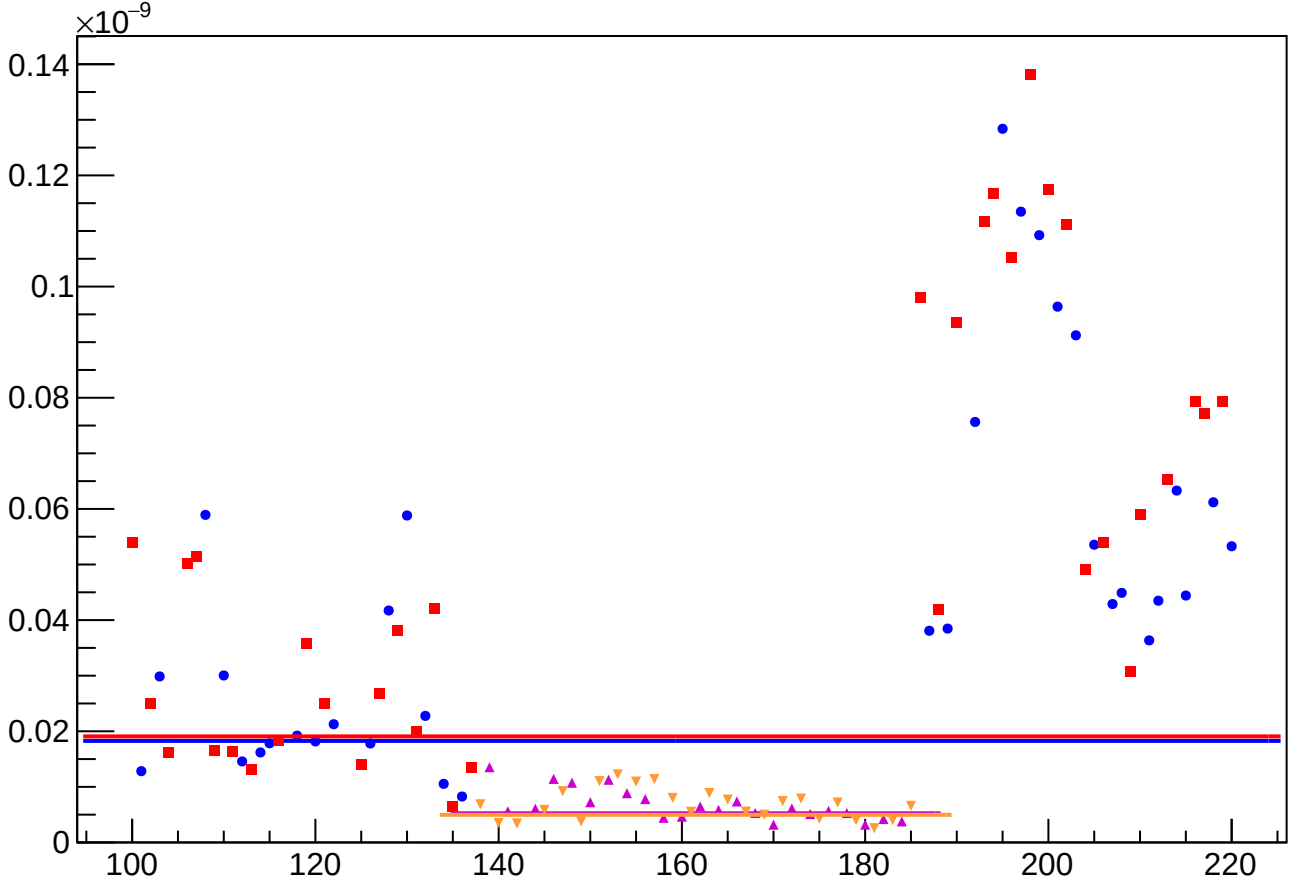
Left In: -0.000+/-0.000 χ^2/NDF:11.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.0/56

All: -0.000+/-0.000 χ^2/NDF: 97.4/114

- sign -0.000+/-0.000 χ^2/NDF: 43.2/57

asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10600622.0/32

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

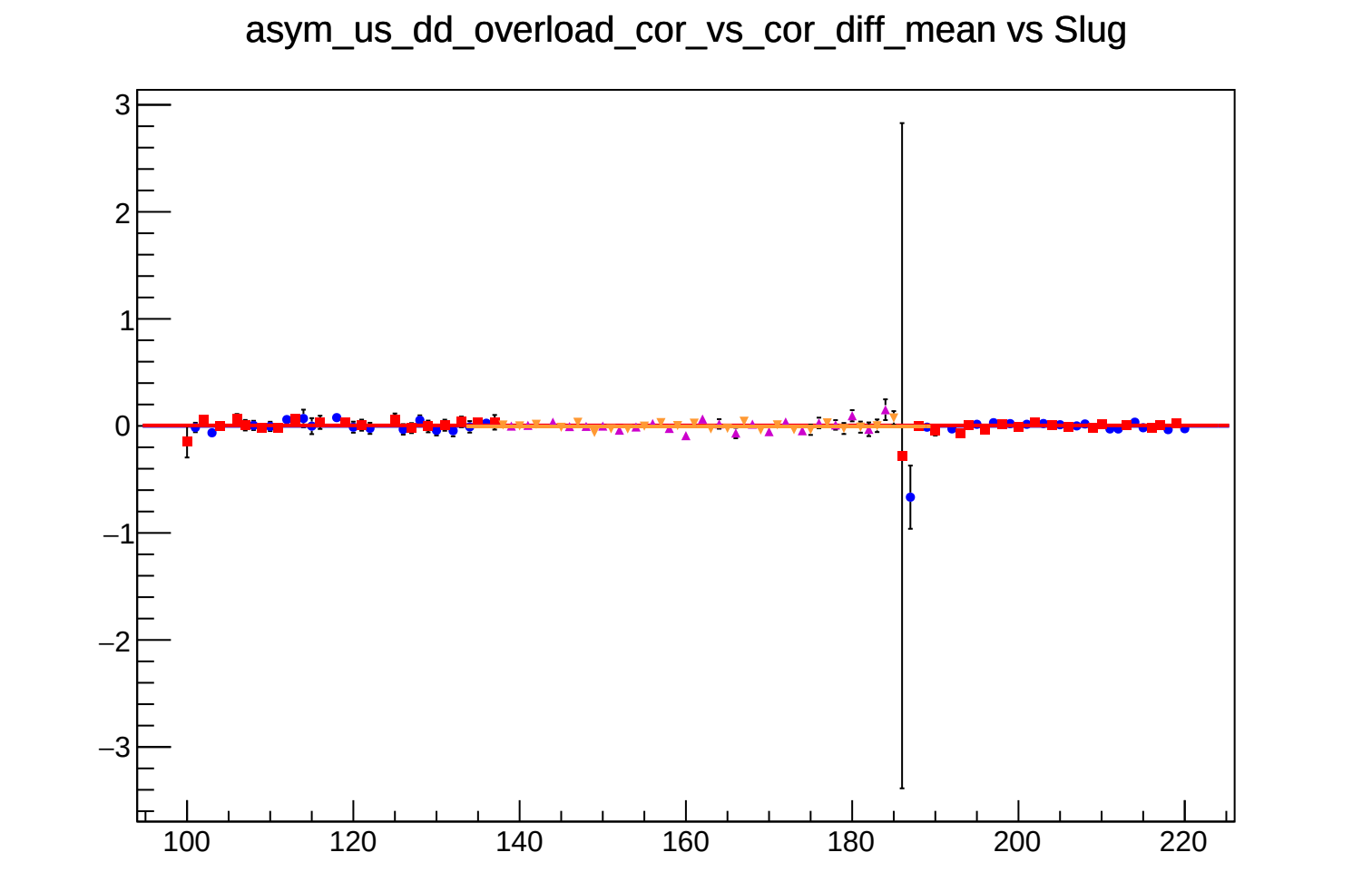
Right Out: 0.000+/-0.000 χ^2/NDF: 12320012.9/34

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

+ sign 0.000+/-0.000 χ^2/NDF: 21116625.0/56

All: 0.000+/-0.000 χ^2/NDF: 42806169.2/114

- sign 0.000+/-0.000 χ^2/NDF: 21661283.1/57



Right In: -0.000+/-0.006 χ^2/NDF: 31.3/32

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

Right Out: 0.005+/-0.006 χ^2/NDF: 24.4/34

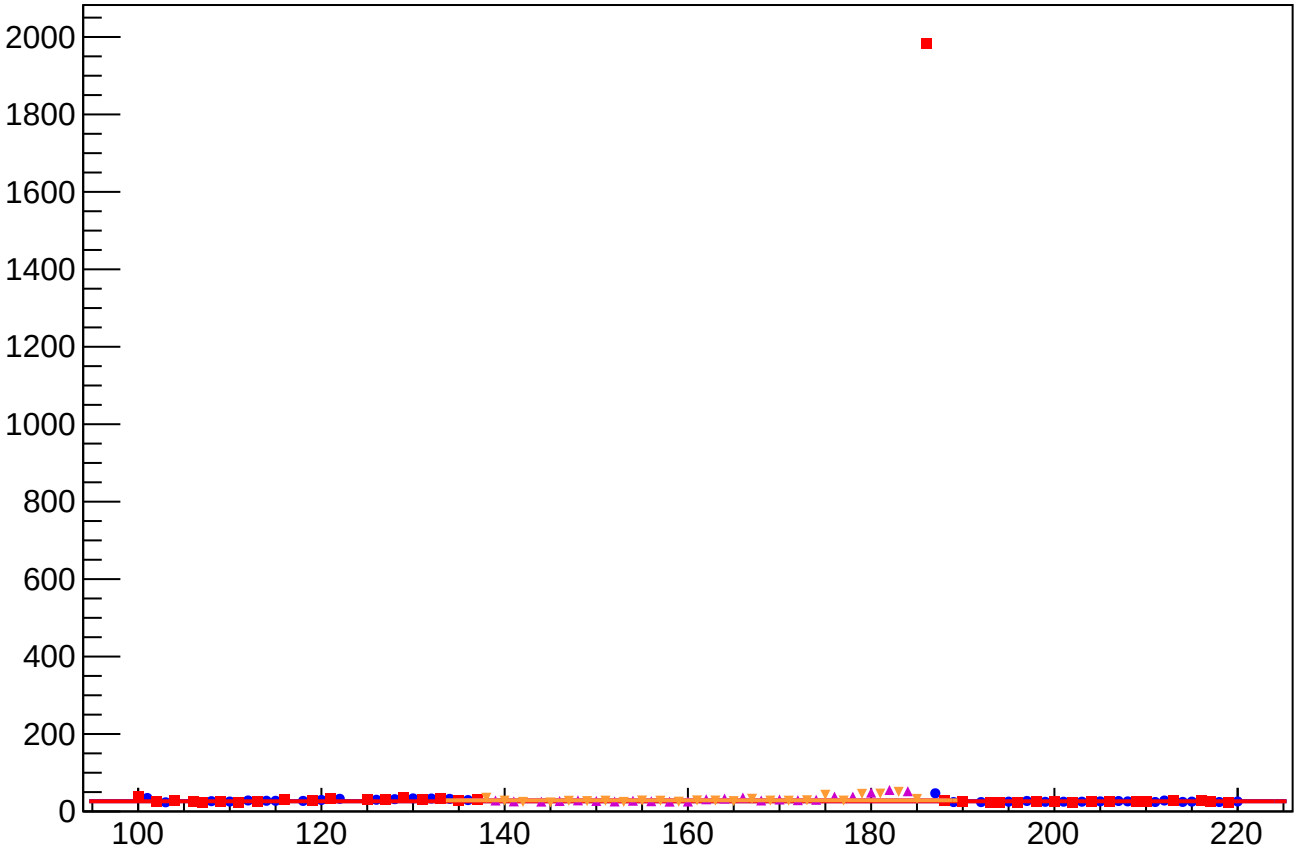
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.002+/-0.005 χ^2/NDF: 48.4/56

All: -0.001+/-0.003 χ^2/NDF: 105.2/114

- sign 0.001+/-0.005 χ^2/NDF: 56.5/57

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 26.534+/-0.004 χ^2/NDF: 383235.1/32

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

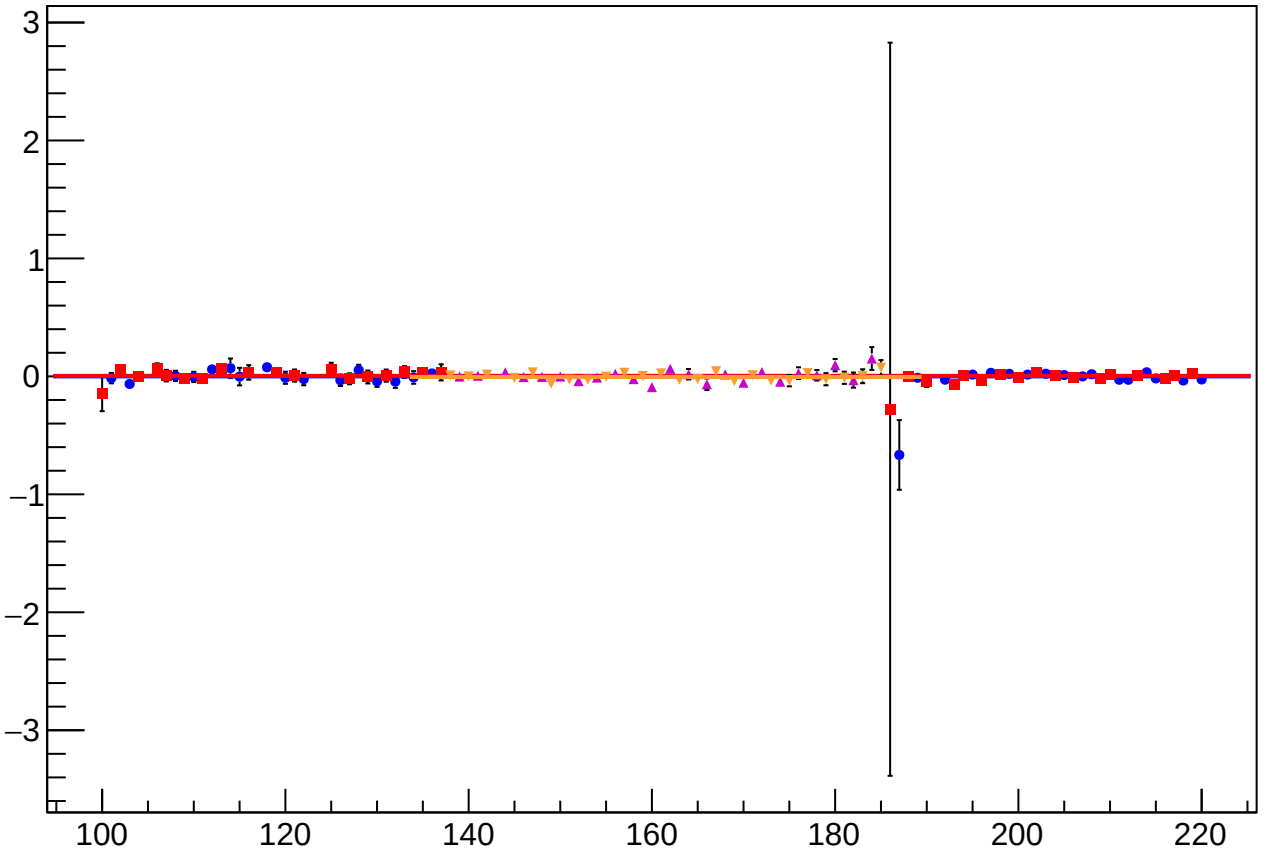
Right Out: 26.238+/-0.004 χ^2/NDF: 1163783.3/34

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

+ sign 27.485+/-0.003 χ^2/NDF: 1670746.4/56

All: 27.486+/-0.002 χ^2/NDF: 4181878.2/114

- sign 27.486+/-0.003 χ^2/NDF: 2511131.7/57



Right In: -0.000+/-0.006 χ^2/NDF: 31.3/32

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

Right Out: 0.005+/-0.006 χ^2/NDF: 24.4/34

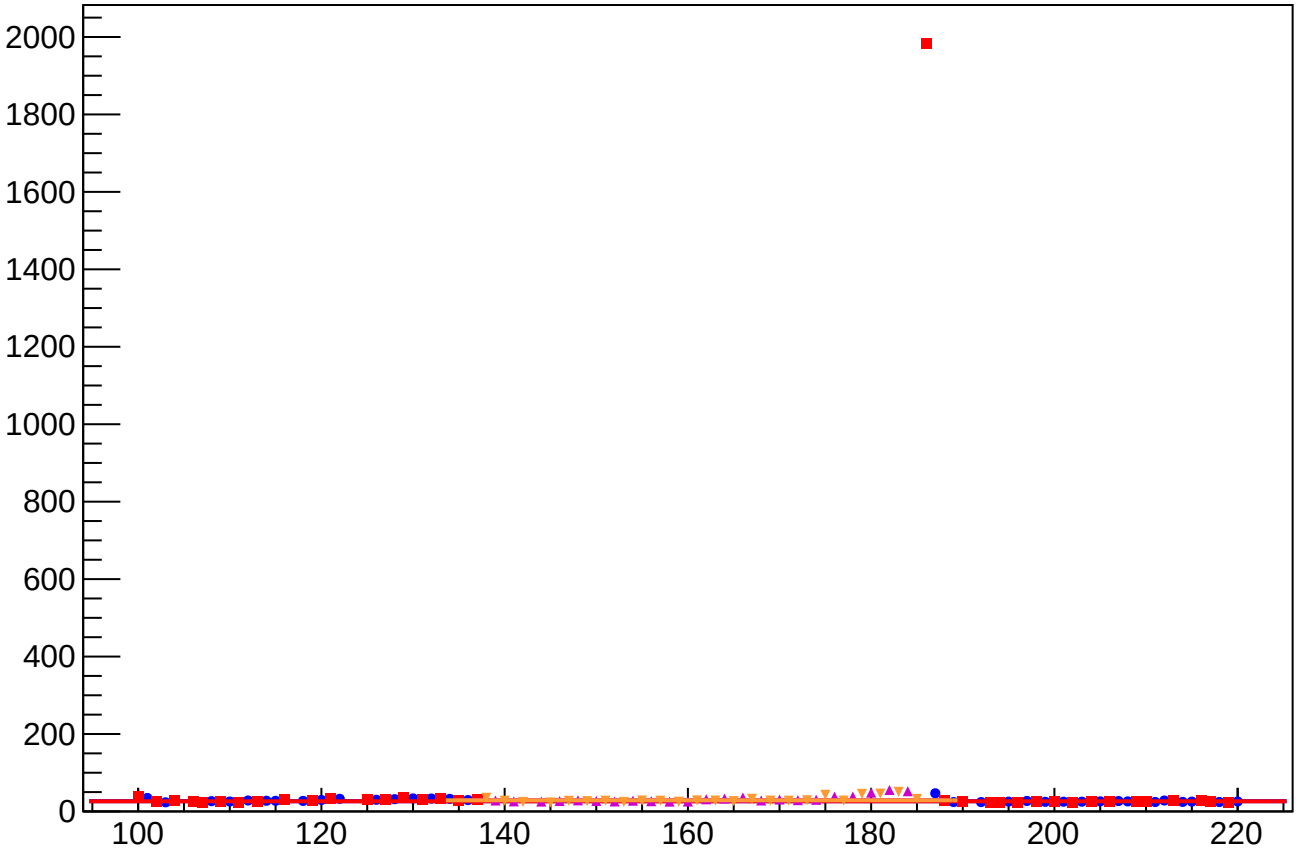
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.002+/-0.005 χ^2/NDF: 48.4/56

All: -0.001+/-0.003 χ^2/NDF: 105.2/114

- sign 0.001+/-0.005 χ^2/NDF: 56.5/57

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 26.534+/-0.004 χ^2/NDF: 383235.1/32

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

Right Out: 26.238+/-0.004 χ^2/NDF: 1163783.3/34

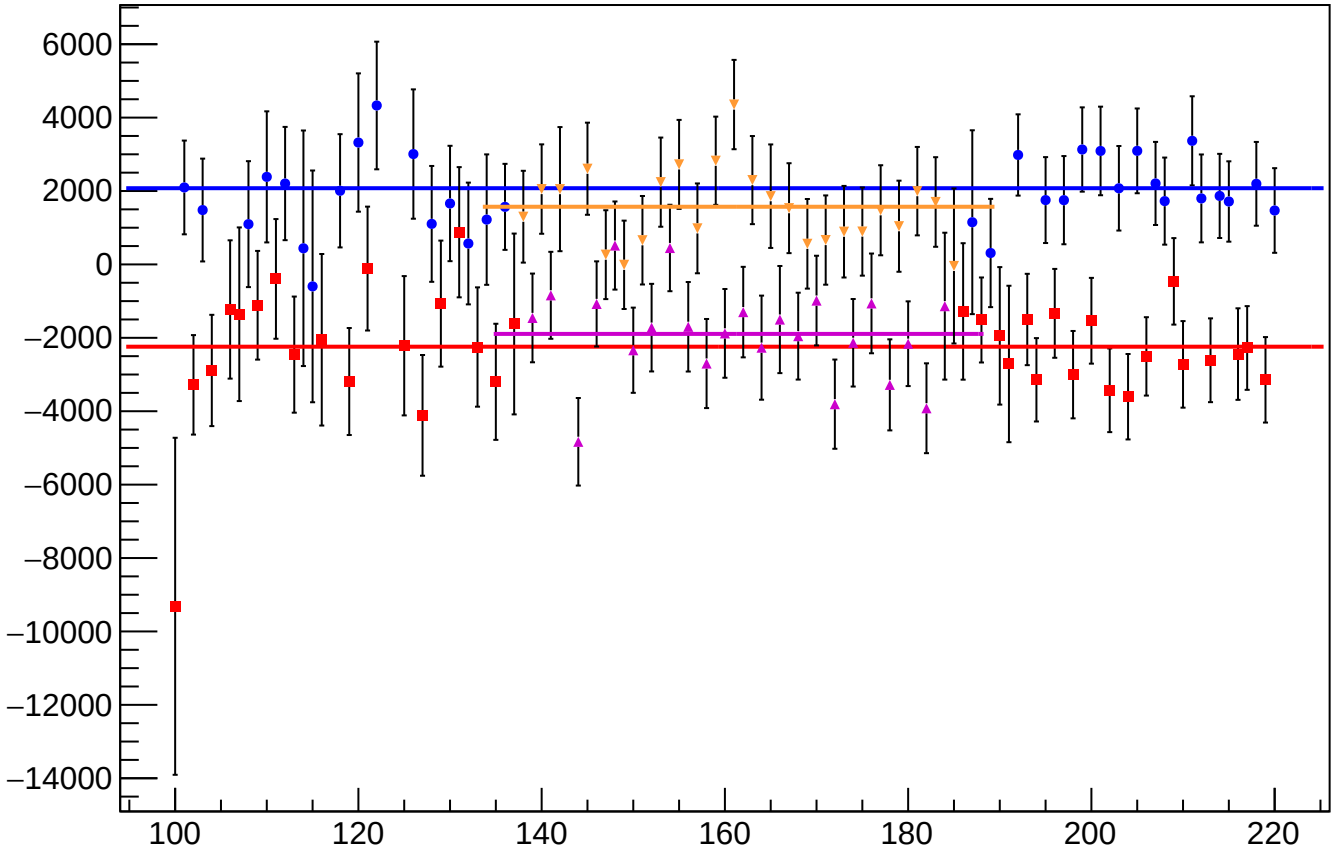
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 27.485+/-0.003 χ^2/NDF: 1670746.4/56

All: 27.486+/-0.002 χ^2/NDF: 4181878.2/114

- sign 27.486+/-0.003 χ^2/NDF: 2511131.7/57

reg_asym_usl_mean vs Slug



Right In: 2076.487+/-237.355 χ^2/NDF: 12.0/32

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

Right Out: -2241.834+/-237.072 χ^2/NDF: 21.5/35

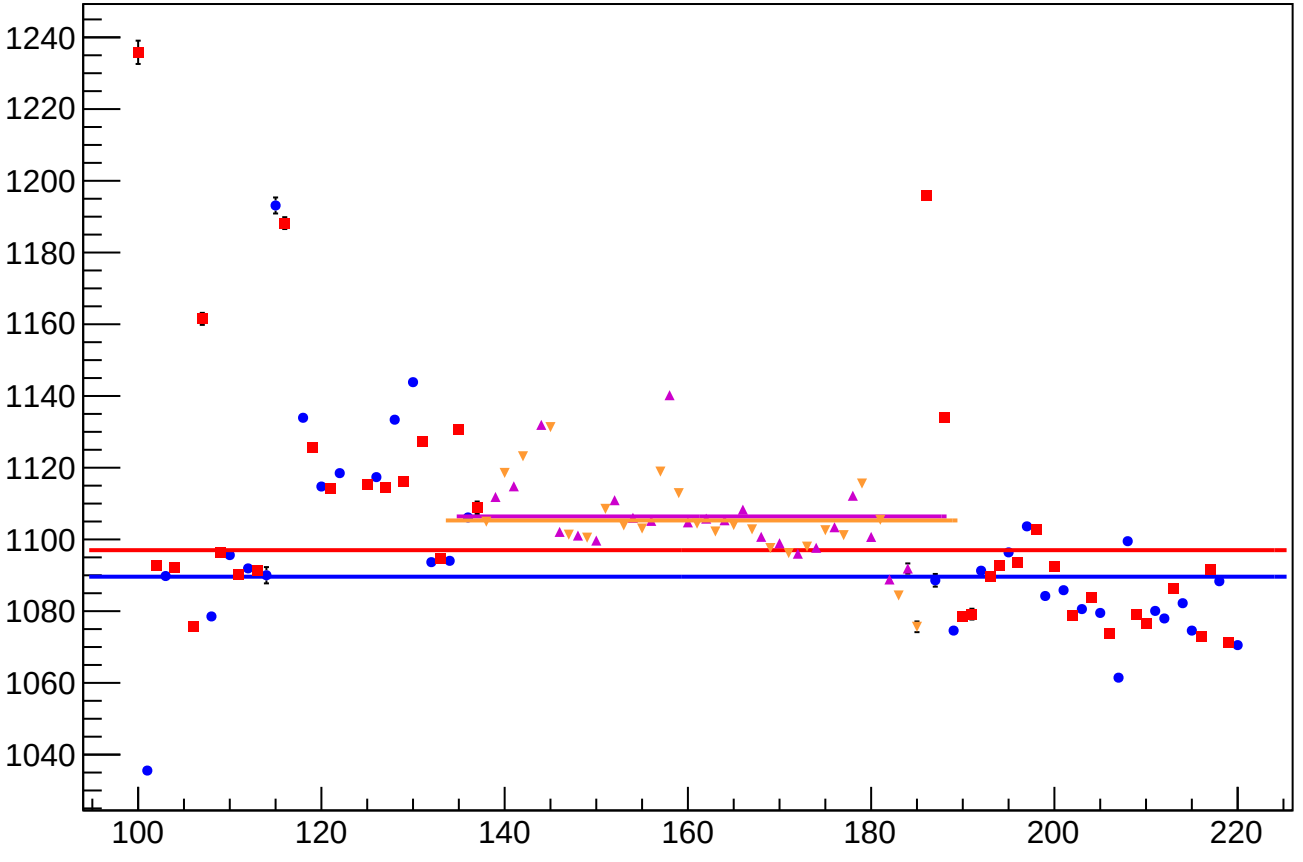
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1843.371+/-174.222 χ^2/NDF: 29.5/56

All: -114.529+/-123.352 χ^2/NDF: 329.3/115

- sign -2082.522+/-174.671 χ^2/NDF: 46.6/58

reg_asym_usl_rms vs Slug



Right In: 1089.610+/-0.168 χ^2/NDF: 16832.0/32

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

Right Out: 1097.005+/-0.168 χ^2/NDF: 22860.8/35

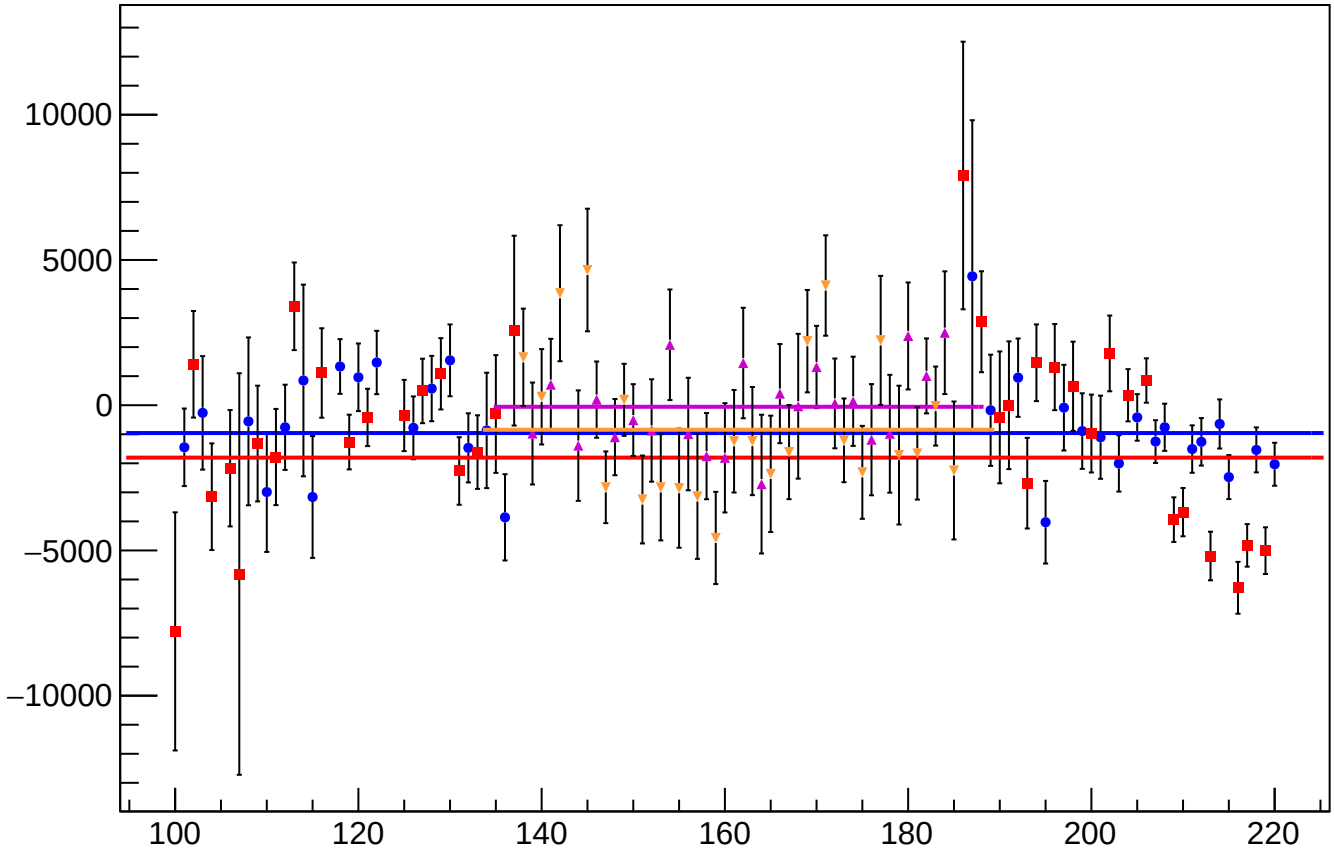
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1096.844+/-0.123 χ^2/NDF: 24021.4/56

All: 1099.068+/-0.087 χ^2/NDF: 52749.2/115

- sign 1101.302+/-0.124 χ^2/NDF: 28074.6/58

asym_usl_reg_correction_mean vs Slug



Right In: -958.541+/-192.829 χ^2/NDF: 43.7/32

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

Right Out: -1804.413+/-202.557 χ^2/NDF: 176.8/35

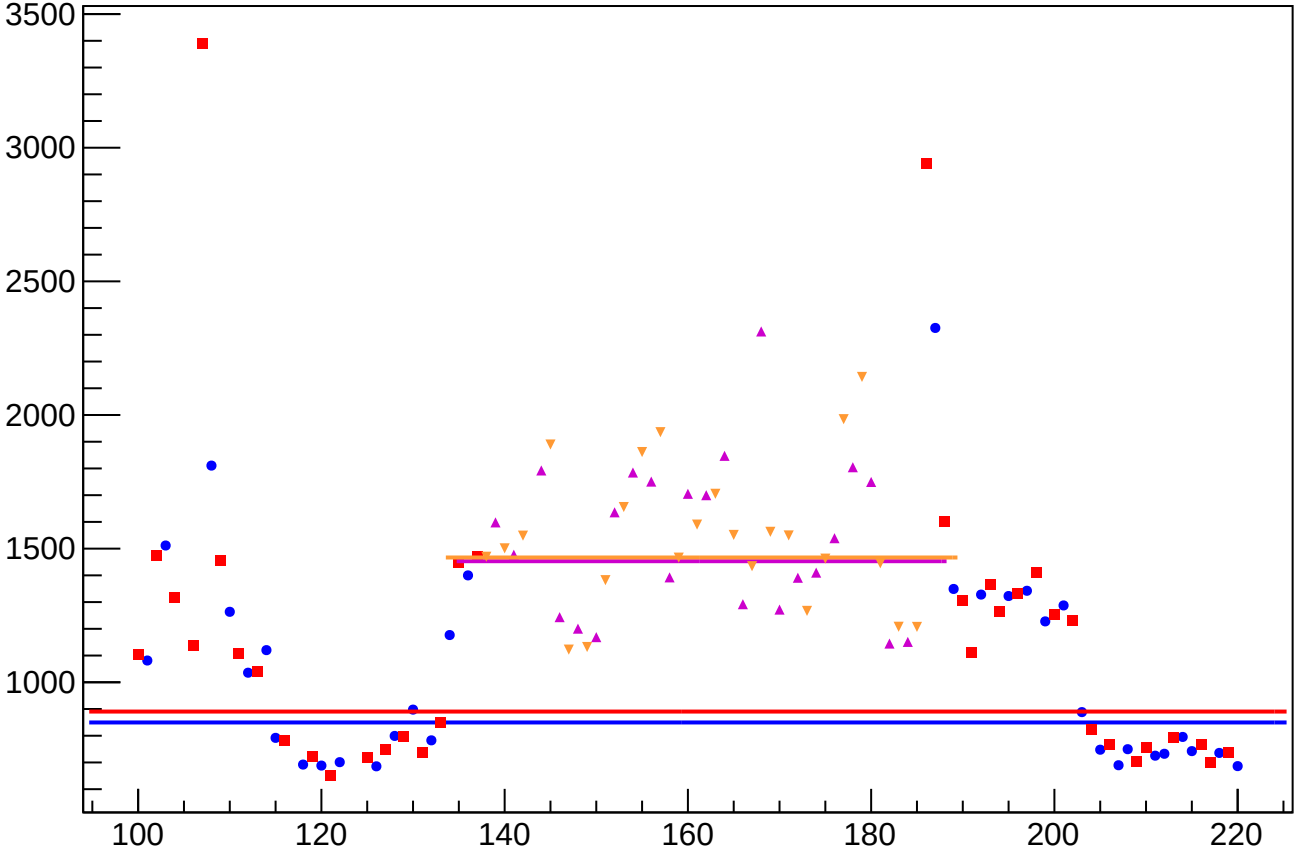
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -931.710+/-168.592 χ^2/NDF: 87.9/56

All: -1136.978+/-121.348 χ^2/NDF: 299.9/115

- sign -1357.644+/-174.800 χ^2/NDF: 208.9/58

asym_usl_reg_correction_rms vs Slug



Right In: 849.628+/-0.136 χ^2/NDF: 2935516.1/32

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

Right Out: 890.427+/-0.143 χ^2/NDF: 3707875.4/35

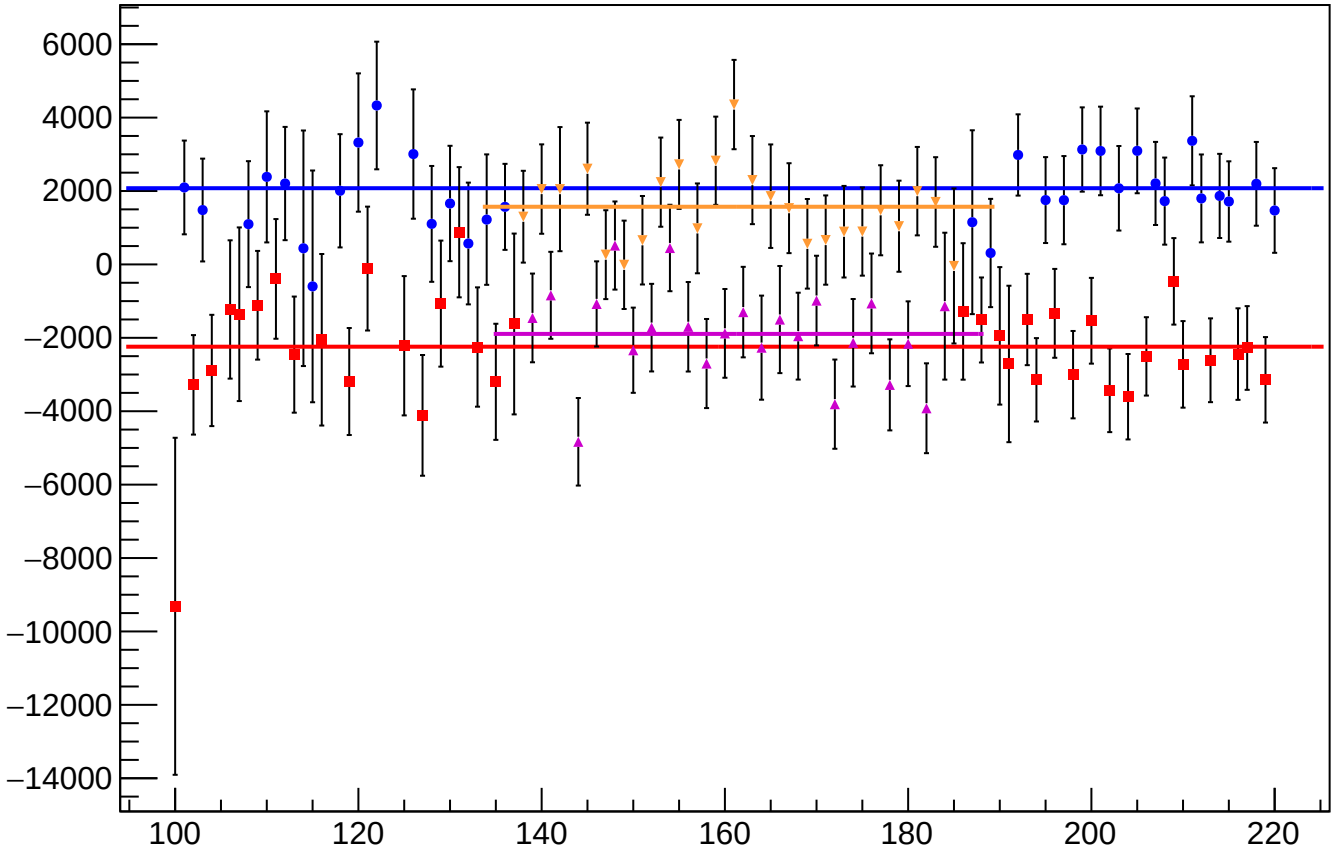
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 995.035+/-0.119 χ^2/NDF: 8806192.2/56

All: 1013.833+/-0.086 χ^2/NDF: 17633380.1/1

- sign 1034.040+/-0.124 χ^2/NDF: 8775596.4/58

cor_asym_usl_mean vs Slug



Right In: 2076.487+/-237.355 χ^2/NDF: 12.0/32

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

Right Out: -2241.827+/-237.072 χ^2/NDF: 21.5/35

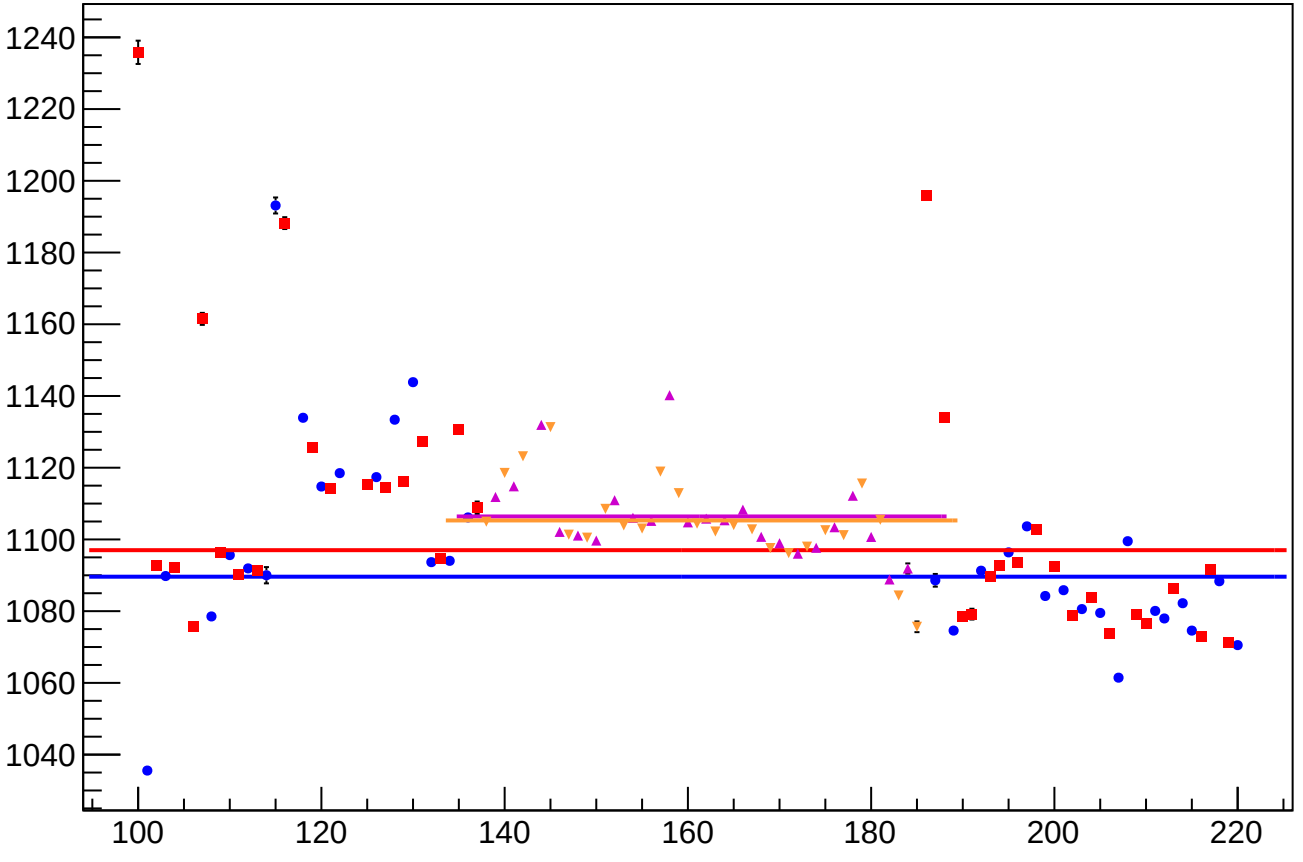
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1843.371+/-174.222 χ^2/NDF: 29.5/56

All: -114.527+/-123.352 χ^2/NDF: 329.3/115

- sign -2082.519+/-174.671 χ^2/NDF: 46.6/58

cor_asym_usl_rms vs Slug



Right In: 1089.610+/-0.168 χ^2/NDF: 16832.0/32

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

Right Out: 1097.005+/-0.168 χ^2/NDF: 22860.8/35

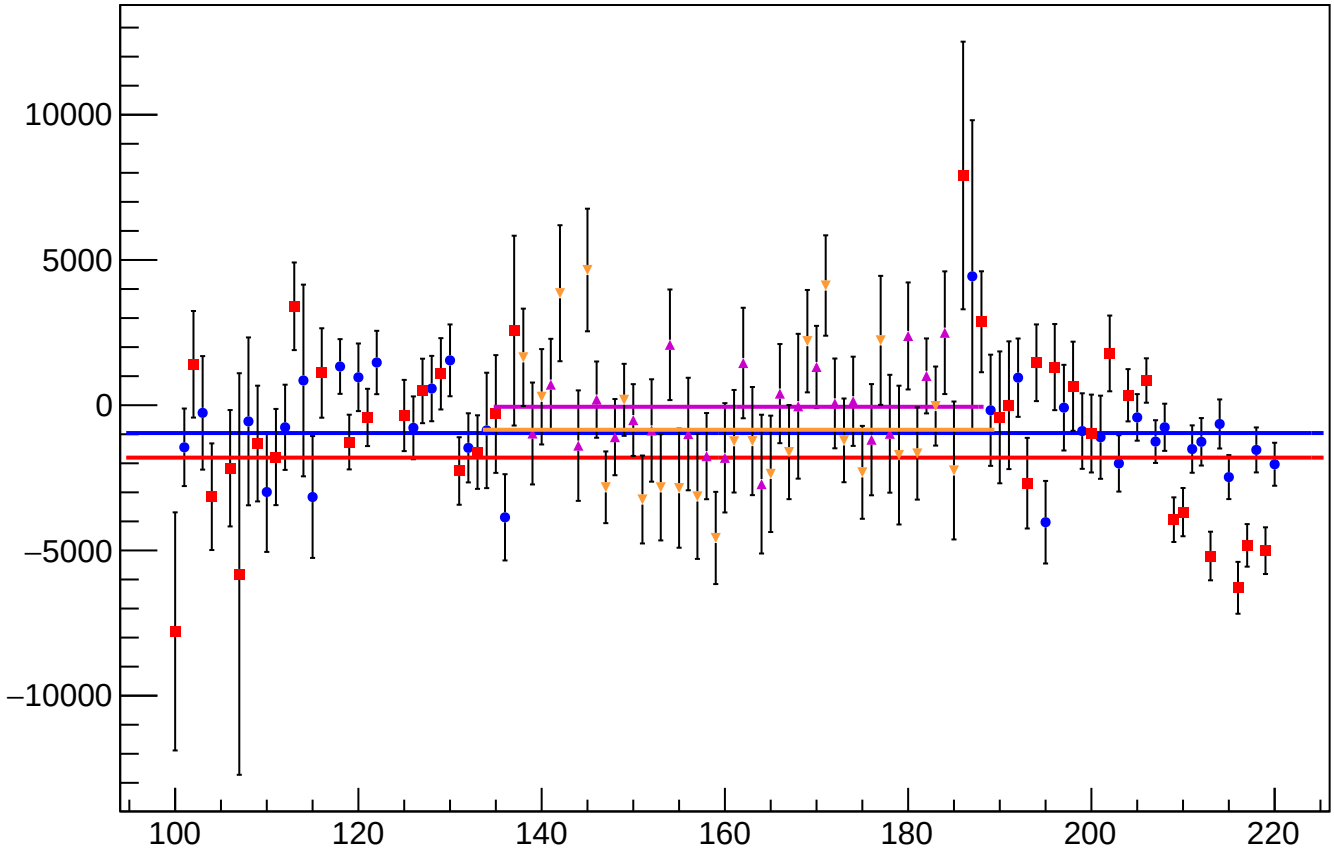
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1096.844+/-0.123 χ^2/NDF: 24021.4/56

All: 1099.068+/-0.087 χ^2/NDF: 52749.2/115

- sign 1101.302+/-0.124 χ^2/NDF: 28074.6/58

asym_usl_cor_correction_mean vs Slug



Right In: -958.541+/-192.829 χ^2/NDF: 43.7/32

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

Right Out: -1804.412+/-202.557 χ^2/NDF: 176.8/35

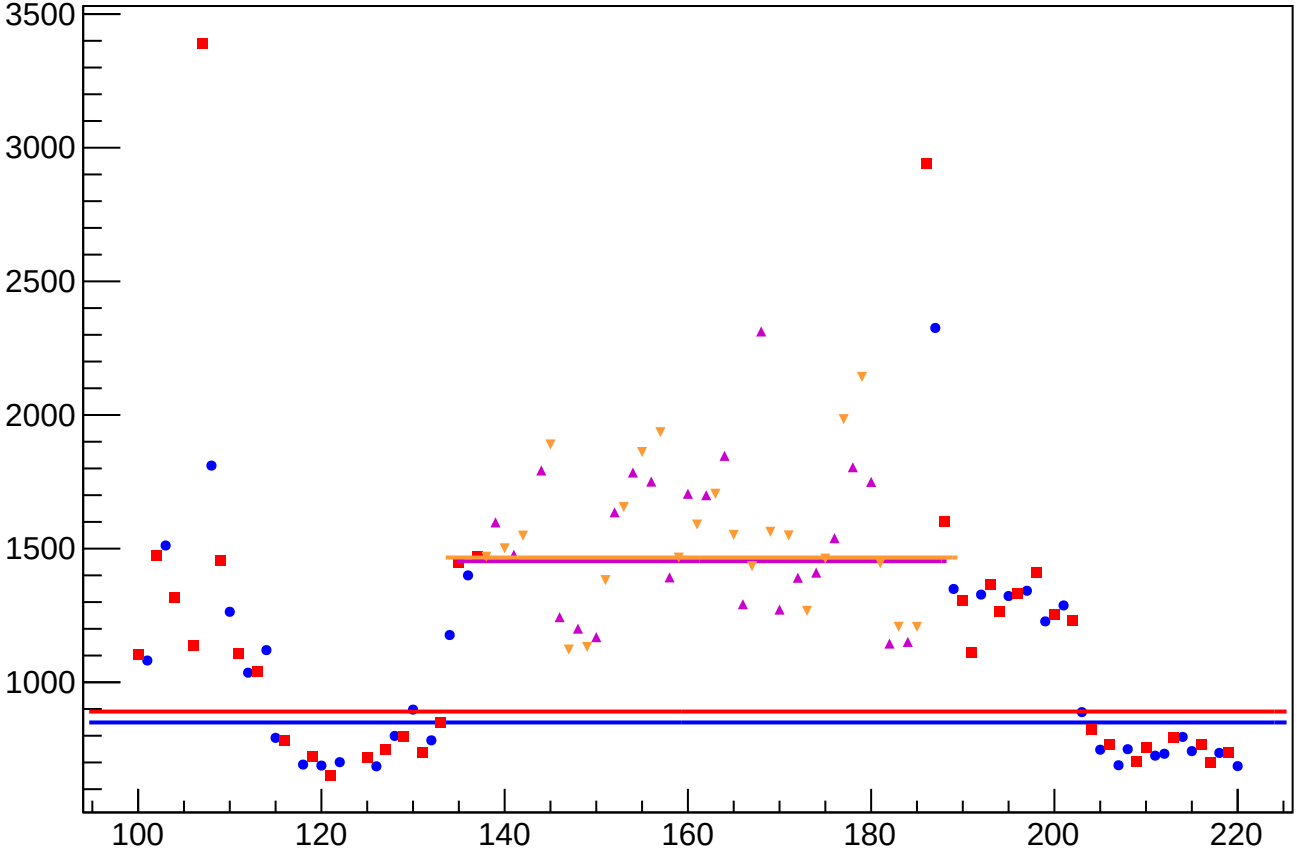
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -931.710+/-168.592 χ^2/NDF: 87.9/56

All: -1136.978+/-121.348 χ^2/NDF: 299.9/115

- sign -1357.644+/-174.800 χ^2/NDF: 208.9/58

asym_usl_cor_correction_rms vs Slug



Right In: 849.628+/-0.136 χ^2/NDF: 2935516.1/32

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

Right Out: 890.427+/-0.143 χ^2/NDF: 3707873.5/35

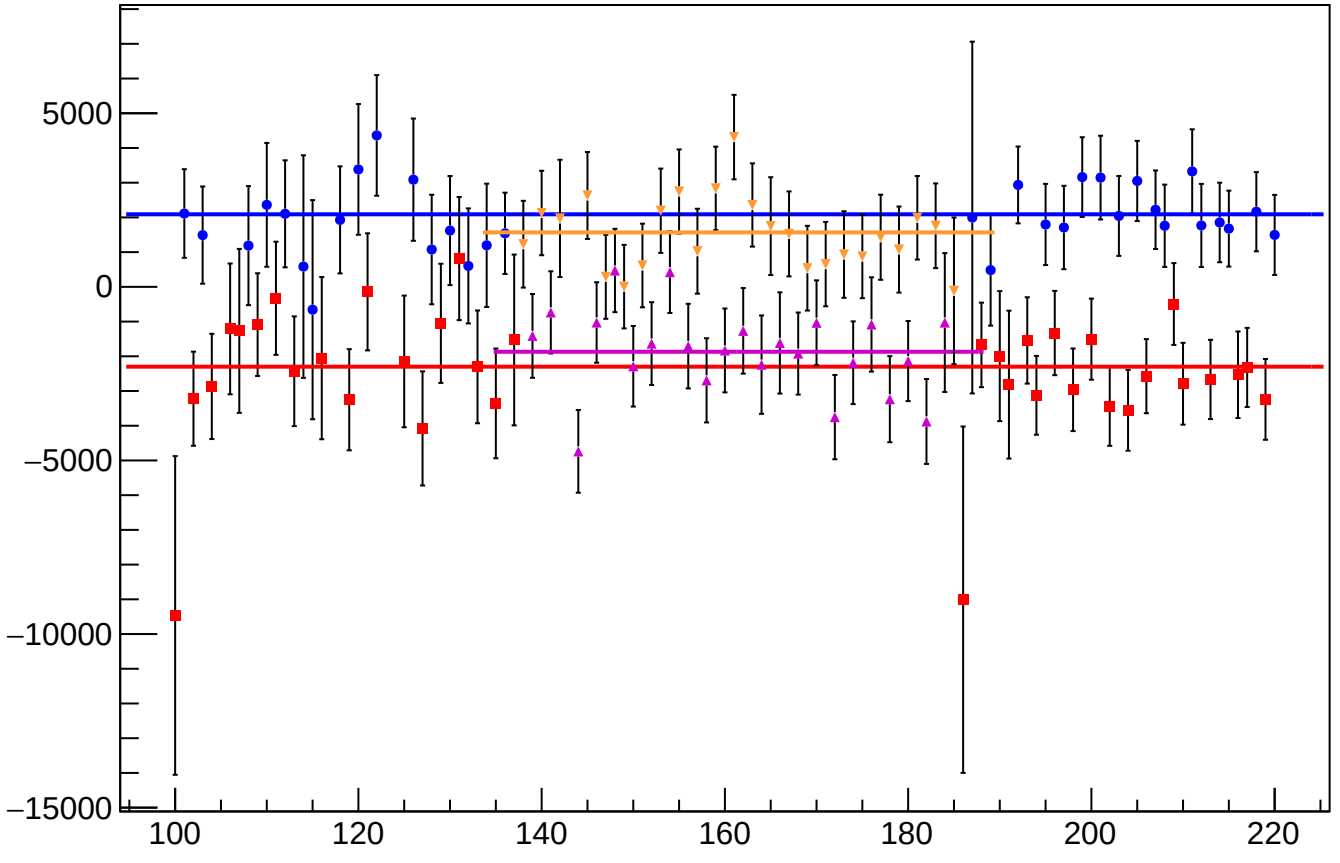
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 995.035+/-0.119 χ^2/NDF: 8806192.2/56

All: 1013.833+/-0.086 χ^2/NDF: 17633379.2/1

- sign 1034.040+/-0.124 χ^2/NDF: 8775595.6/58

overload_cor_asym_usl_mean vs Slug



Right In: 2089.488+/-238.475 χ^2/NDF: 11.5/32

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

Right Out: -2299.363+/-239.111 χ^2/NDF: 23.1/35

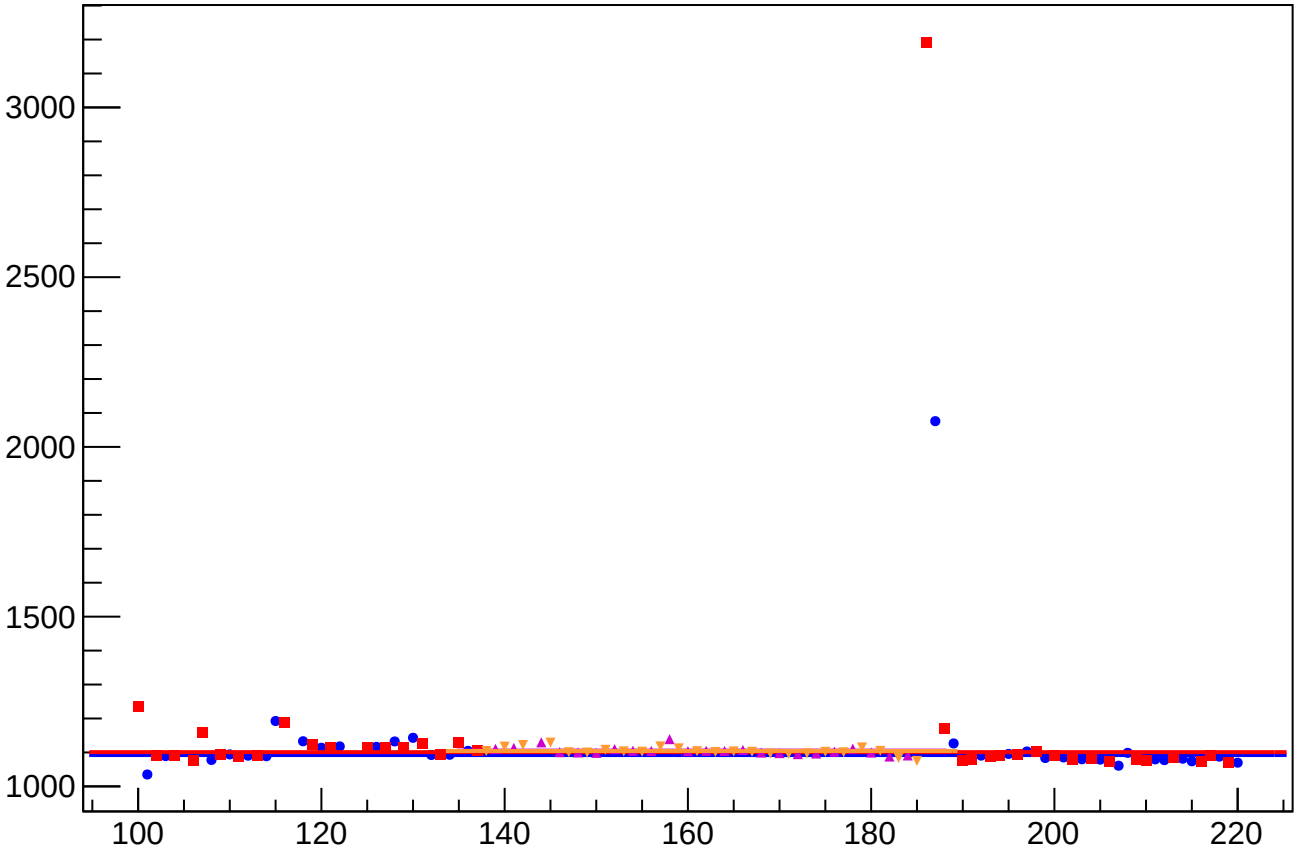
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1847.866+/-174.587 χ^2/NDF: 29.1/56

All: -117.204+/-123.740 χ^2/NDF: 331.7/115

- sign -2100.752+/-175.406 χ^2/NDF: 48.0/58

overload_cor_asym_usl_rms vs Slug



Right In: 1092.306+/-0.169 χ^2/NDF: 93080.0/32

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

Right Out: 1100.864+/-0.169 χ^2/NDF: 374299.0/35

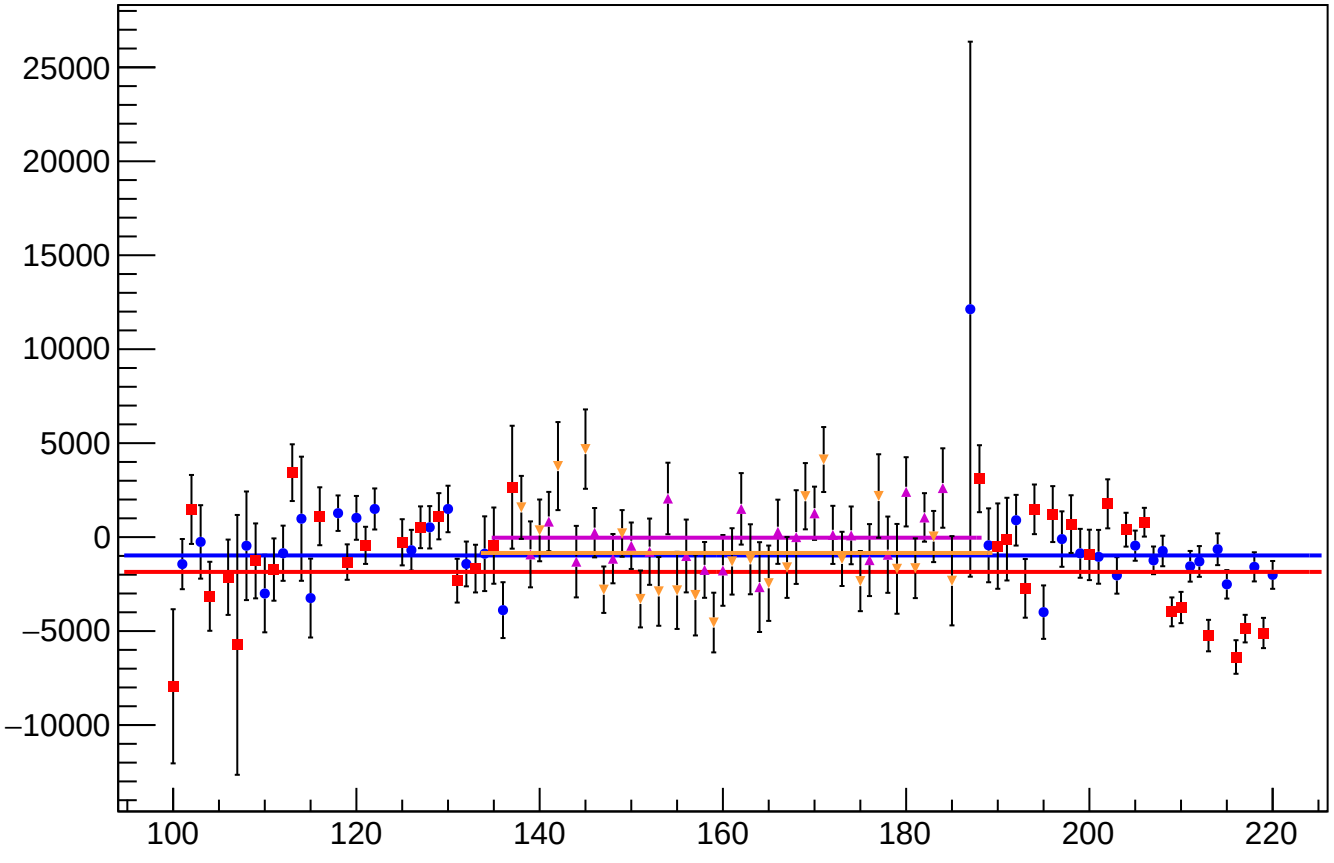
Left In: 1105.380+/-0.183 χ^2/NDF:3661.0/22

+ sign 1097.852+/-0.123 χ^2/NDF: 98410.4/56

All: 1100.389+/-0.087 χ^2/NDF: 477548.6/115

- sign 1102.950+/-0.124 χ^2/NDF: 378289.5/58

asym_usl_overload_cor_correction_mean vs Slug



Right In: -975.082+/-193.220 χ^2/NDF: 43.3/32

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

Right Out: -1851.161+/-203.065 χ^2/NDF: 176.1/34

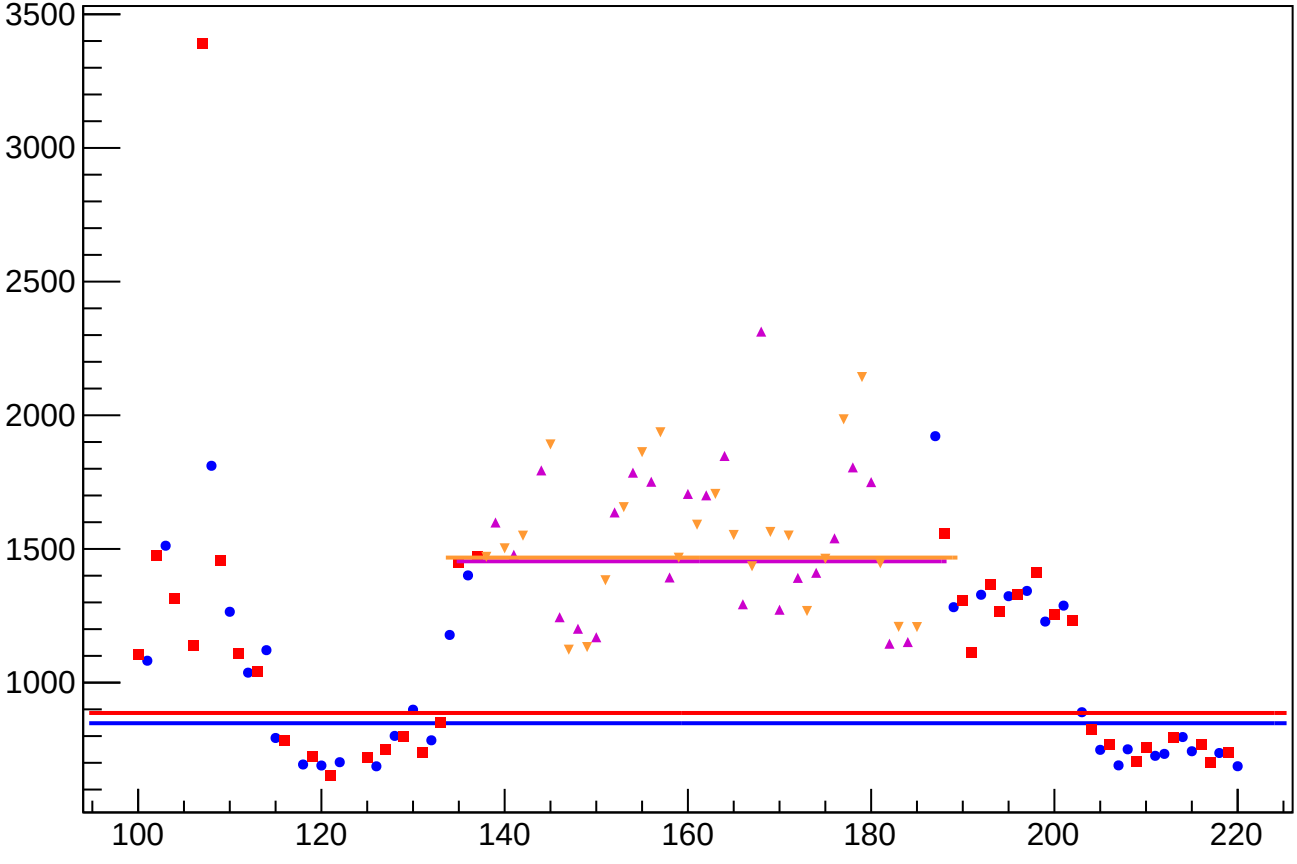
Left In: -31.387+/-346.155 χ^2/NDF:13.1/22

+ sign -943.961+/-168.875 χ^2/NDF: 87.5/56

All: -1156.557+/-121.571 χ^2/NDF: 300.5/114

- sign -1385.249+/-175.152 χ^2/NDF: 209.7/57

asym_usl_overload_cor_correction_rms vs Slug



Right In: 848.113+/-0.137 χ^2/NDF: 2749181.2/32

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

Right Out: 886.415+/-0.144 χ^2/NDF: 3244594.3/34

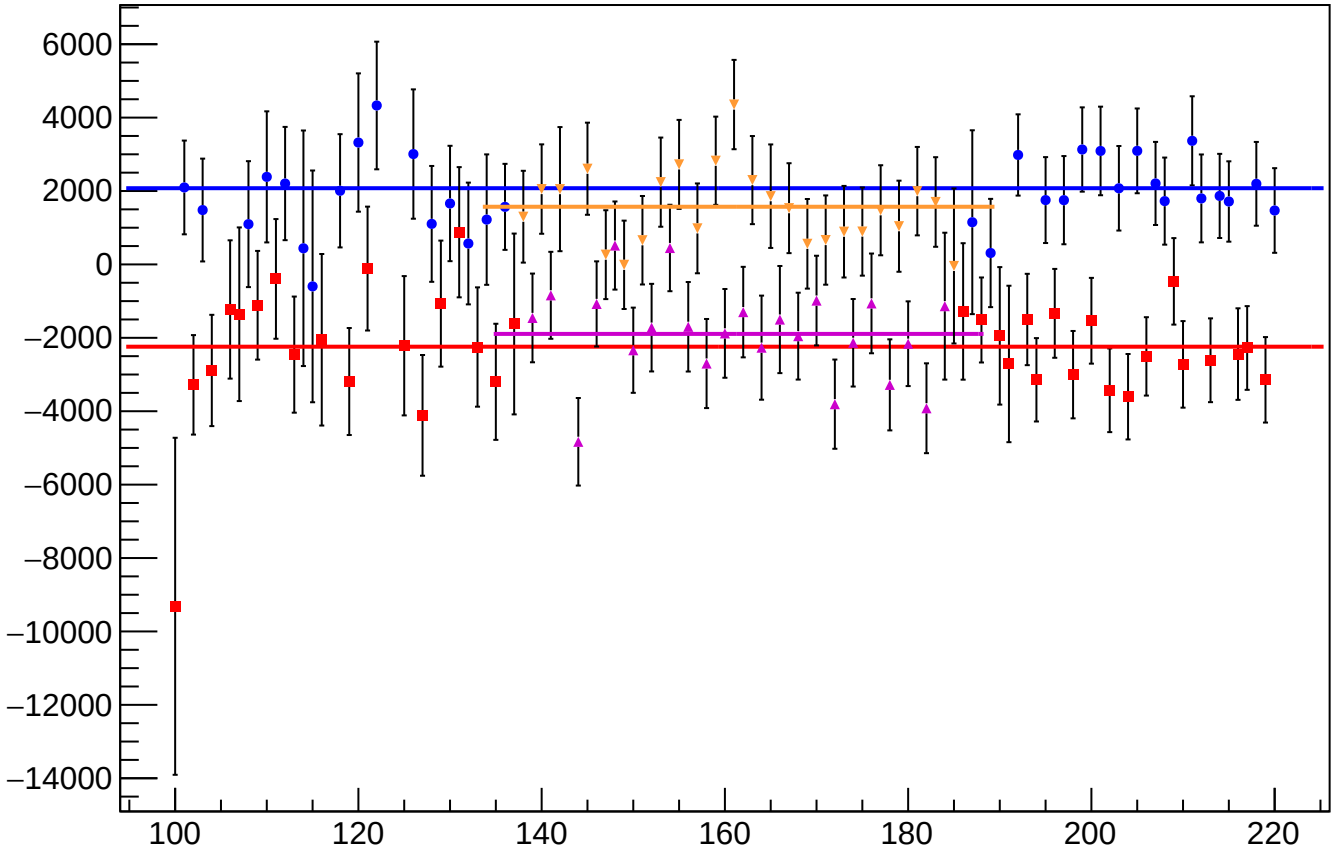
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 994.407+/-0.119 χ^2/NDF: 8646766.8/56

All: 1012.368+/-0.086 χ^2/NDF: 17064410.1/1

- sign 1031.690+/-0.124 χ^2/NDF: 8370680.8/57

eigen_cor_asym_usl_mean vs Slug



Right In: 2076.487+/-237.355 χ^2/NDF: 12.0/32

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

Right Out: -2241.827+/-237.072 χ^2/NDF: 21.5/35

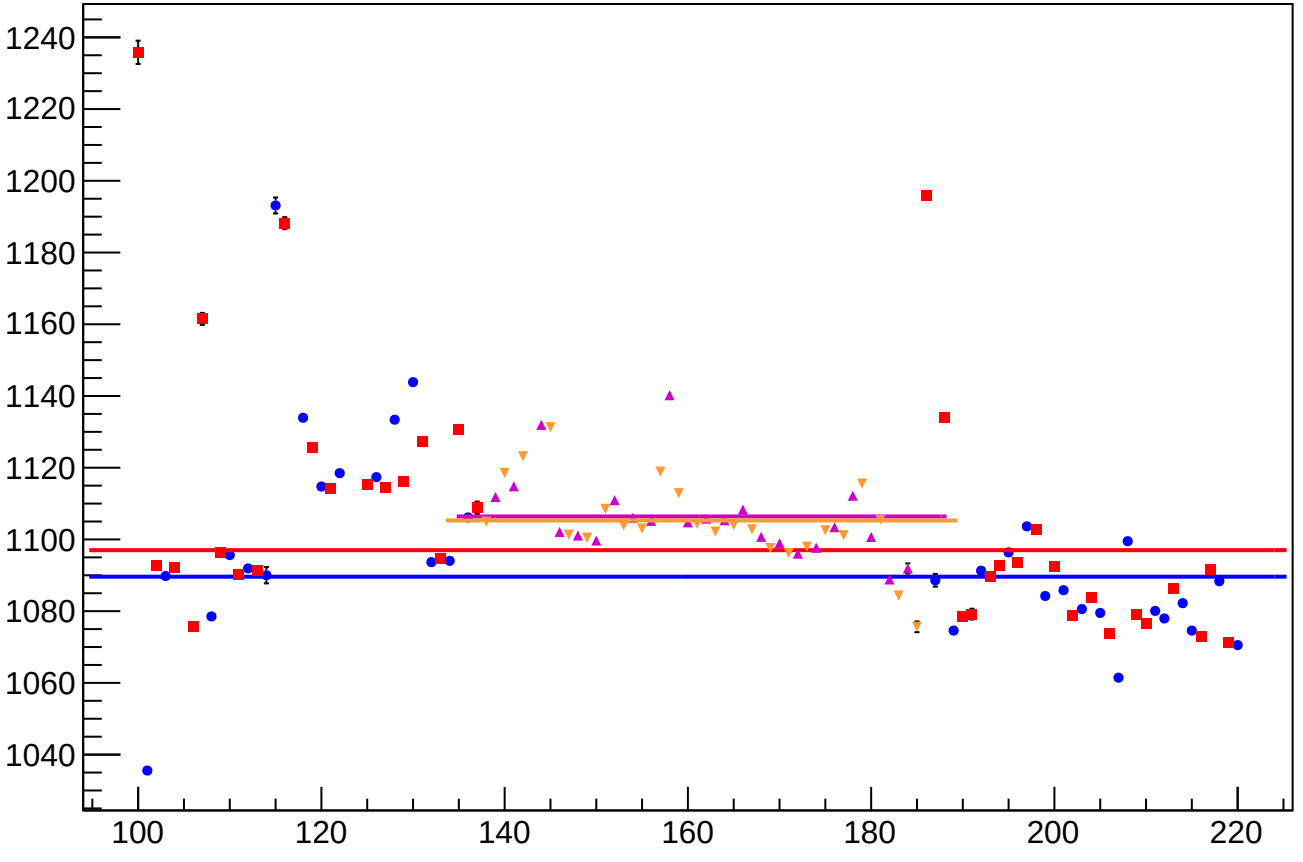
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1843.371+/-174.222 χ^2/NDF: 29.5/56

All: -114.527+/-123.352 χ^2/NDF: 329.3/115

- sign -2082.519+/-174.671 χ^2/NDF: 46.6/58

eigen_cor_asym_usl_rms vs Slug



Right In: 1089.610+/-0.168 χ^2/NDF: 16832.0/32

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

Right Out: 1097.005+/-0.168 χ^2/NDF: 22860.8/35

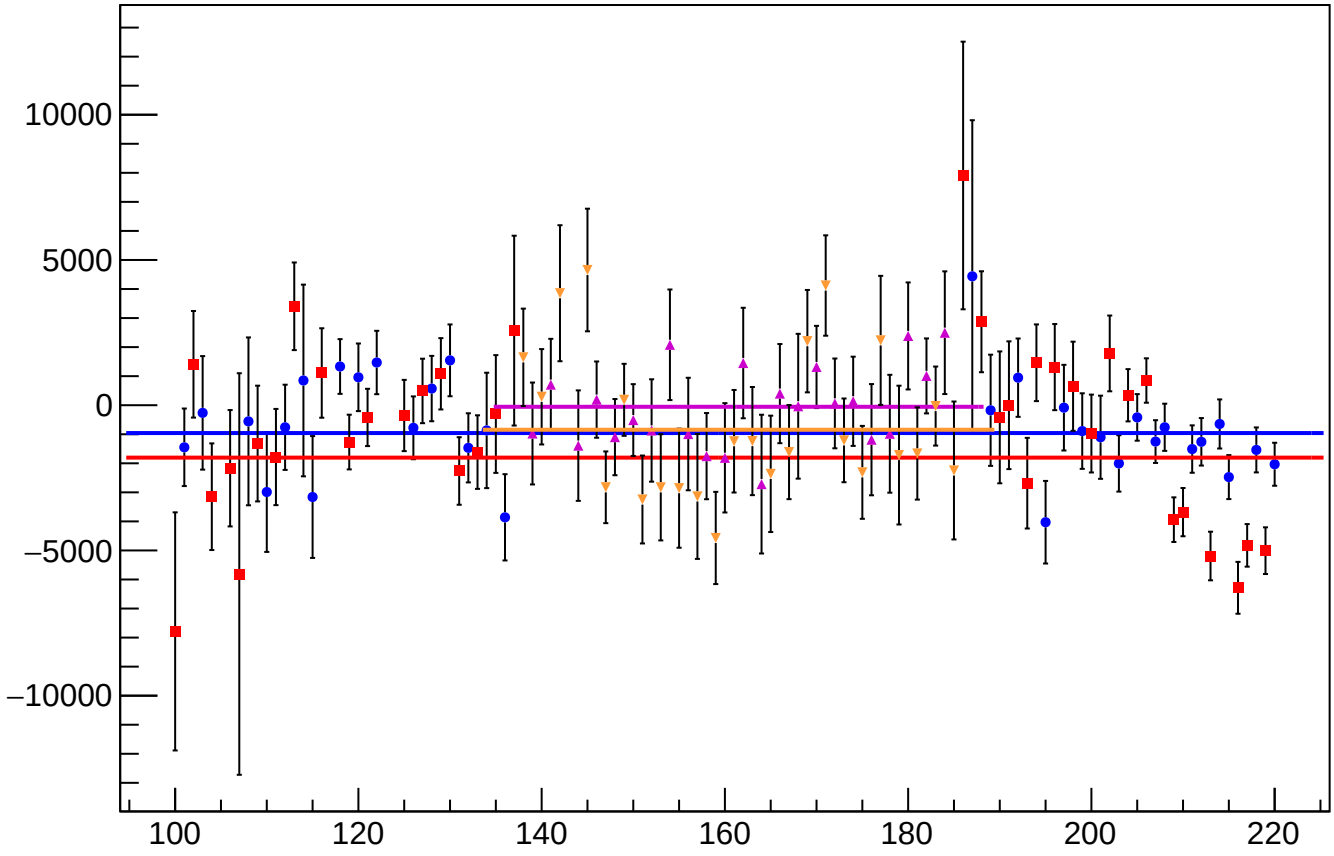
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1096.844+/-0.123 χ^2/NDF: 24021.4/56

All: 1099.068+/-0.087 χ^2/NDF: 52749.2/115

- sign 1101.302+/-0.124 χ^2/NDF: 28074.6/58

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -958.541+/-192.829 χ^2/NDF: 43.7/32

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

Right Out: -1804.412+/-202.557 χ^2/NDF: 176.8/35

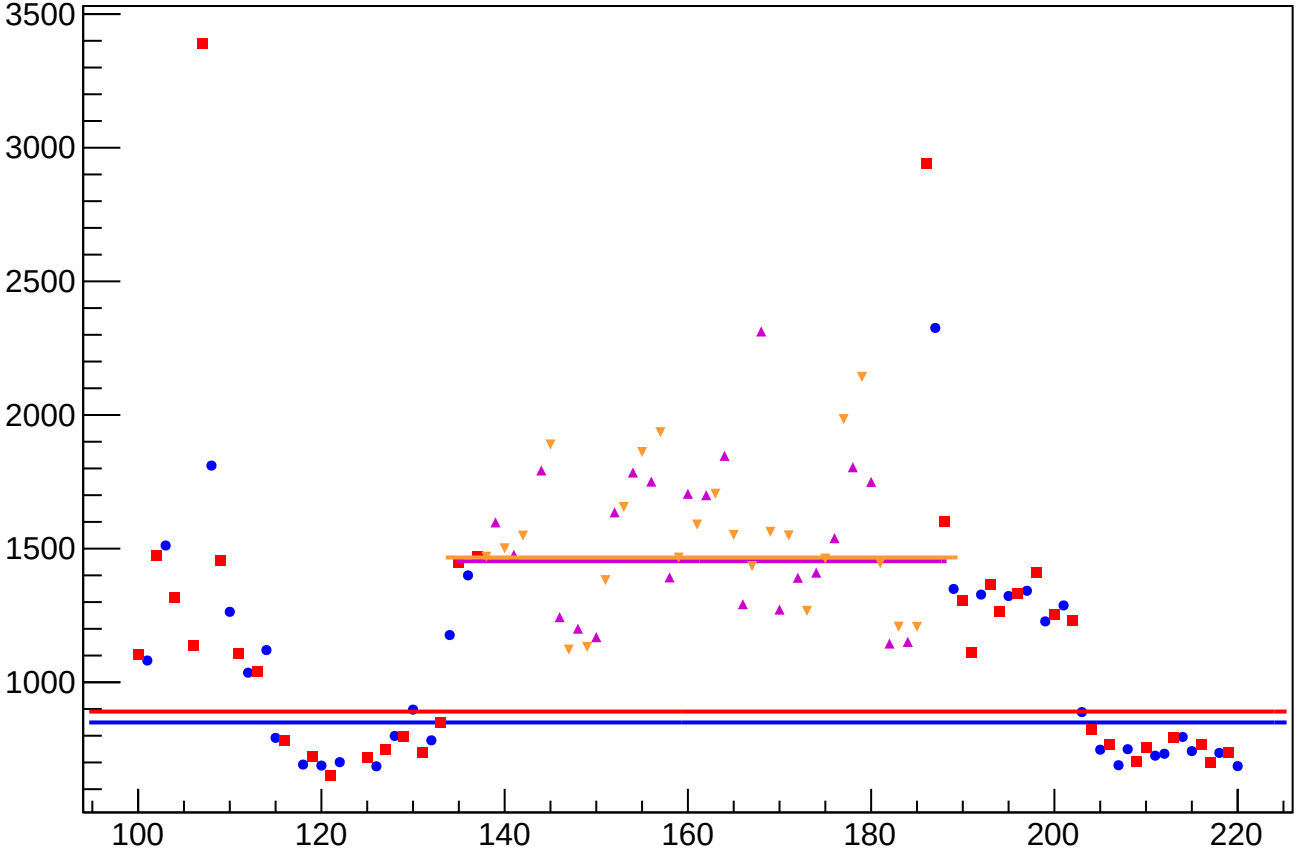
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -931.710+/-168.592 χ^2/NDF: 87.9/56

All: -1136.978+/-121.348 χ^2/NDF: 299.9/115

- sign -1357.644+/-174.800 χ^2/NDF: 208.9/58

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 849.628+/-0.136 χ^2/NDF: 2935516.1/32

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

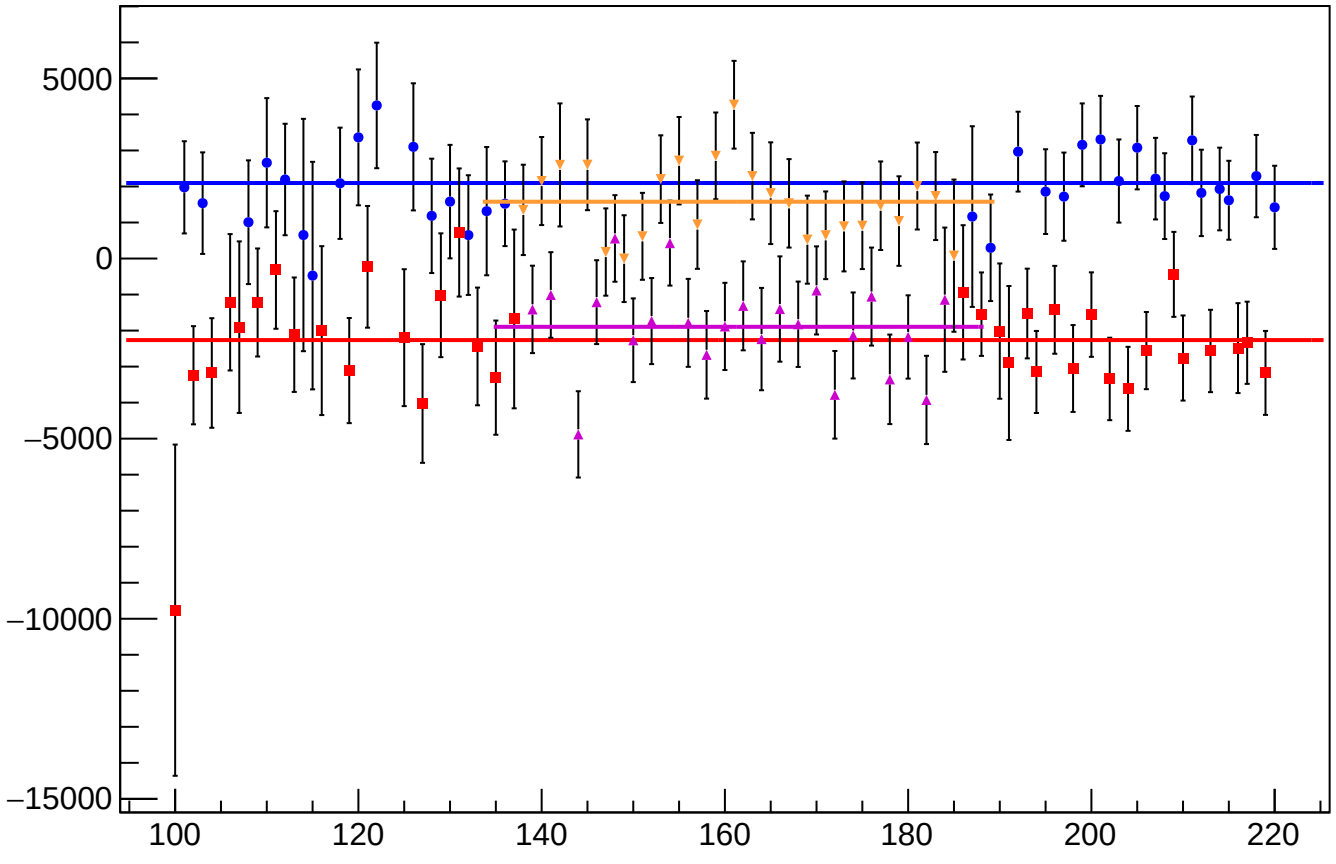
Right Out: 890.427+/-0.143 χ^2/NDF: 3707873.5/35

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

+ sign 995.035+/-0.119 χ^2/NDF: 8806192.2/56

All: 1013.833+/-0.086 χ^2/NDF: 17633379.2/1

- sign 1034.040+/-0.124 χ^2/NDF: 8775595.6/58



Right In: 2096.746+/-238.013 χ^2/NDF: 12.1/32

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

Right Out: -2263.505+/-237.818 χ^2/NDF: 21.4/35

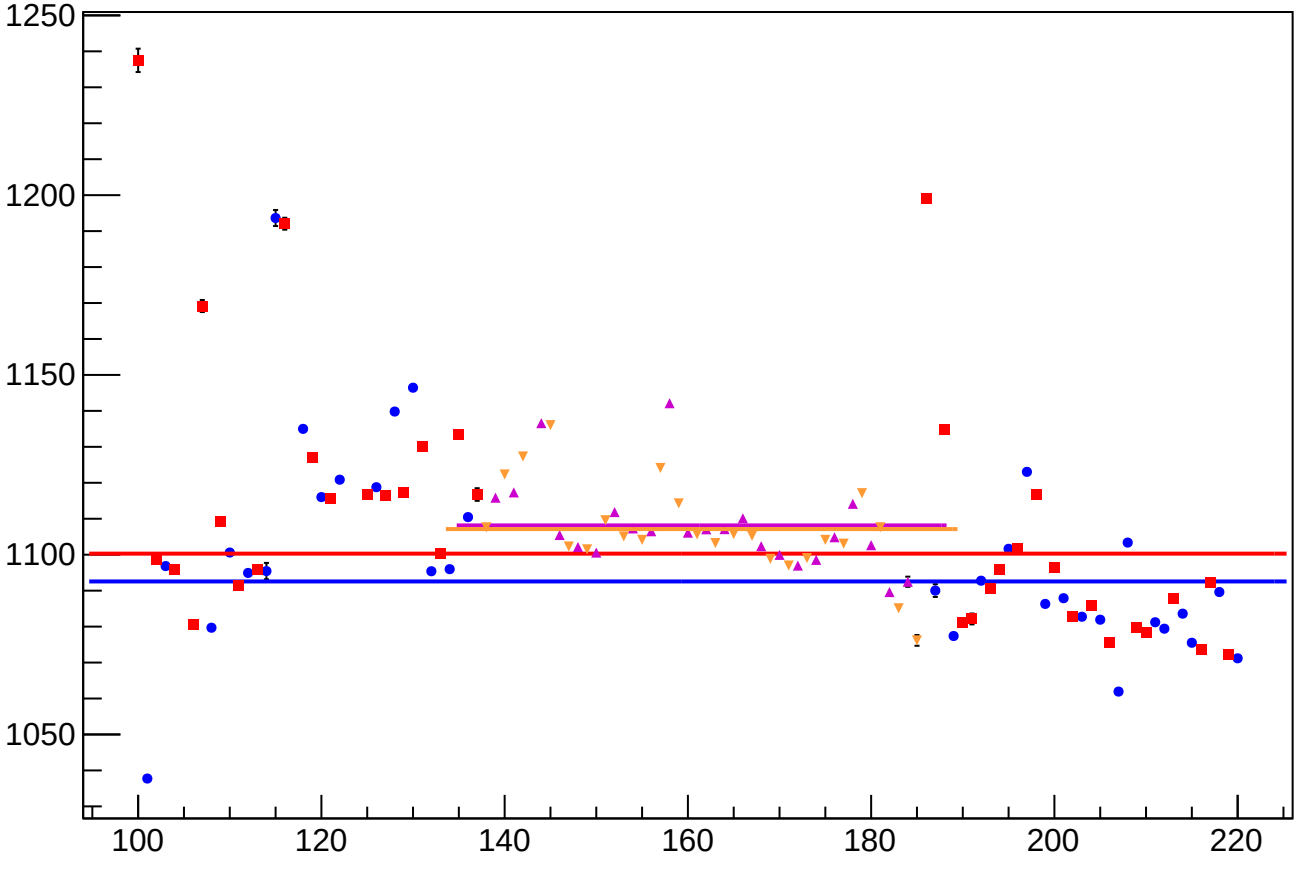
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1856.968+/-174.628 χ^2/NDF: 29.8/56

All: -113.737+/-123.646 χ^2/NDF: 331.8/115

- sign -2095.010+/-175.096 χ^2/NDF: 46.6/58

dit_asym_usl_rms vs Slug



Right In: 1092.561+/-0.168 χ^2/NDF: 18595.5/32

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

Right Out: 1100.295+/-0.168 χ^2/NDF: 23648.6/35

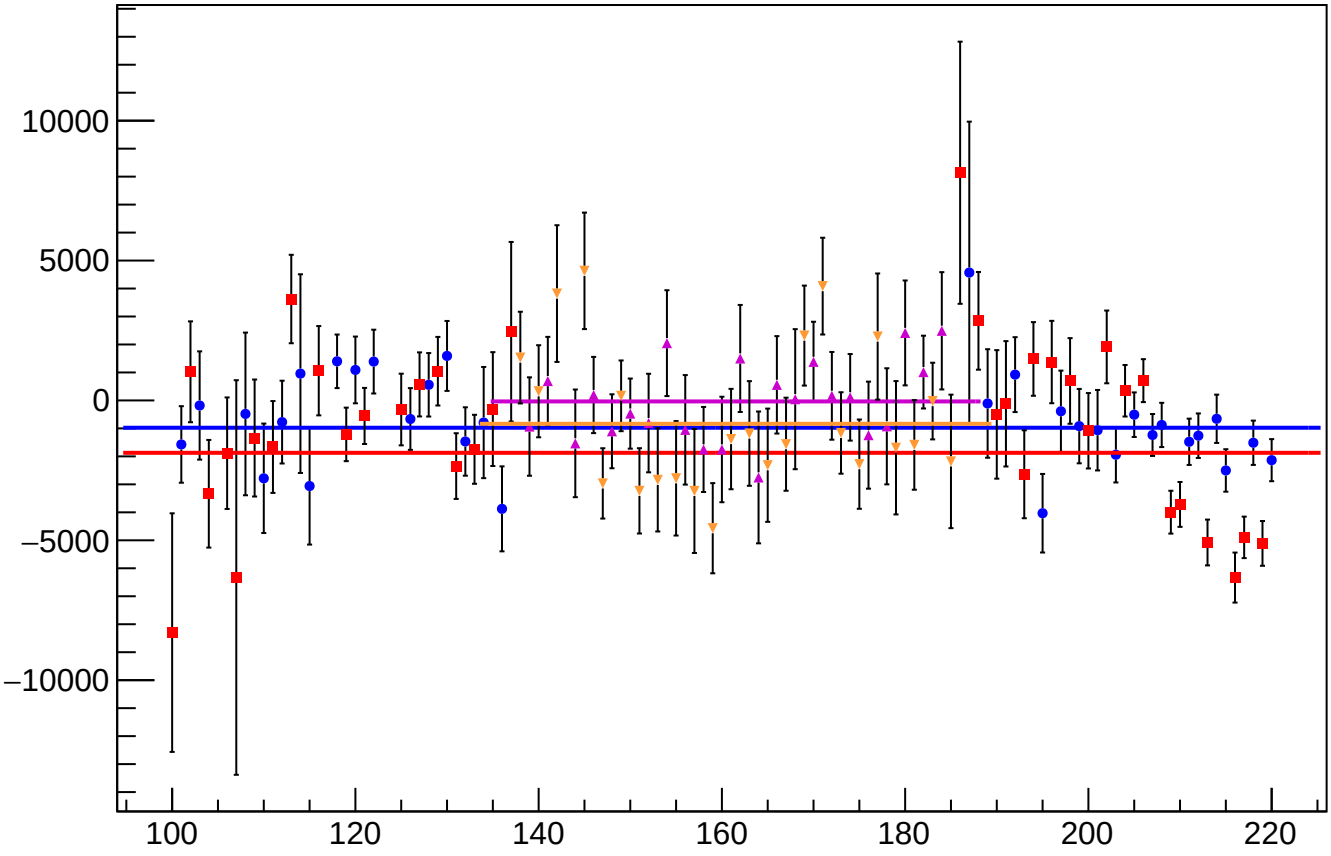
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1099.286+/-0.123 χ^2/NDF: 25837.6/56

All: 1101.582+/-0.087 χ^2/NDF: 55368.0/115

- sign 1103.890+/-0.124 χ^2/NDF: 28837.1/58

asym_usl_dit_correction_mean vs Slug



Right In: -976.095+/-194.457 χ^2/NDF: 43.1/32

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

Right Out: -1872.168+/-203.364 χ^2/NDF: 177.2/35

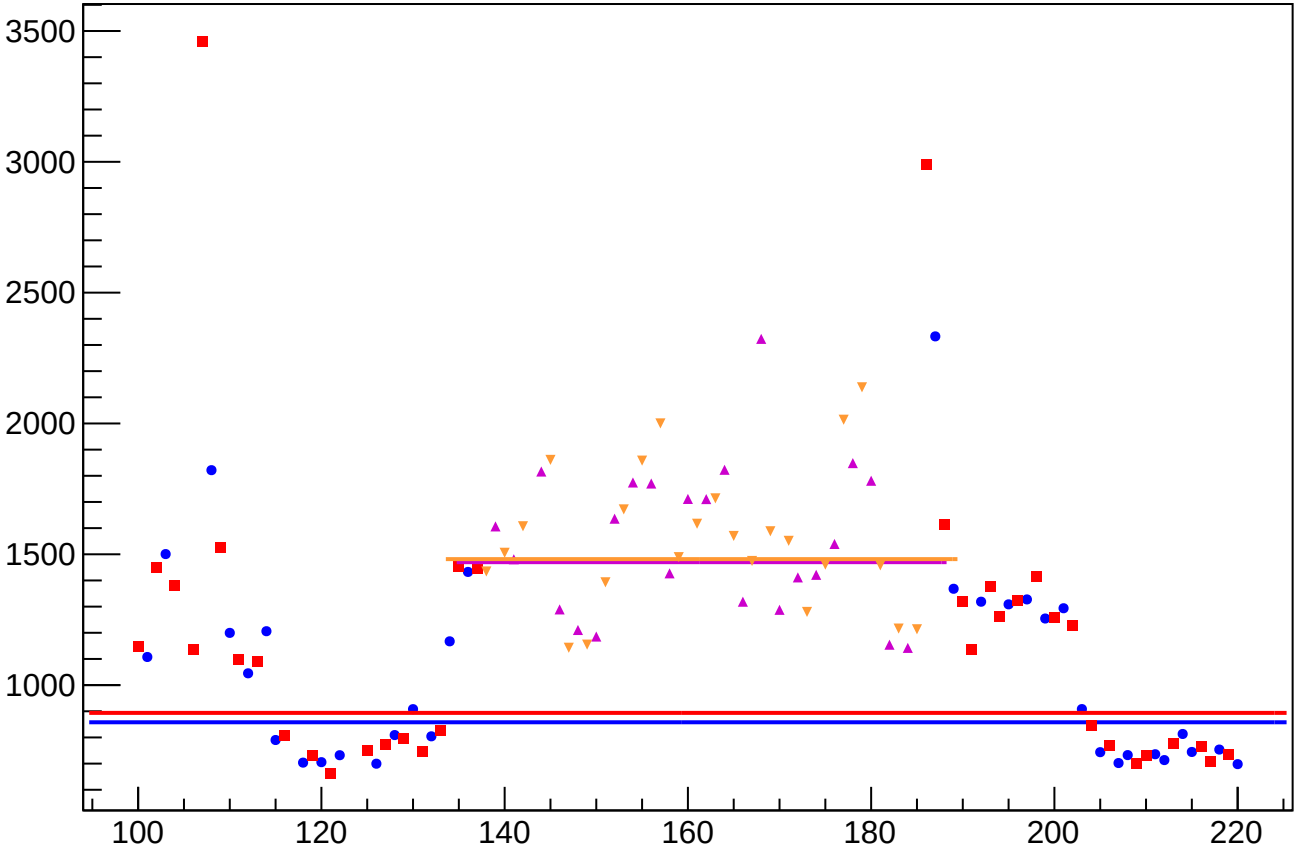
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -942.972+/-170.054 χ^2/NDF: 86.7/56

All: -1167.716+/-122.224 χ^2/NDF: 301.3/115

- sign -1407.880+/-175.791 χ^2/NDF: 211.0/58

asym_usl_dit_correction_rms vs Slug



Right In: 857.956+/-0.138 χ^2/NDF: 2886033.2/32

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

Right Out: 893.857+/-0.144 χ^2/NDF: 3751589.9/35

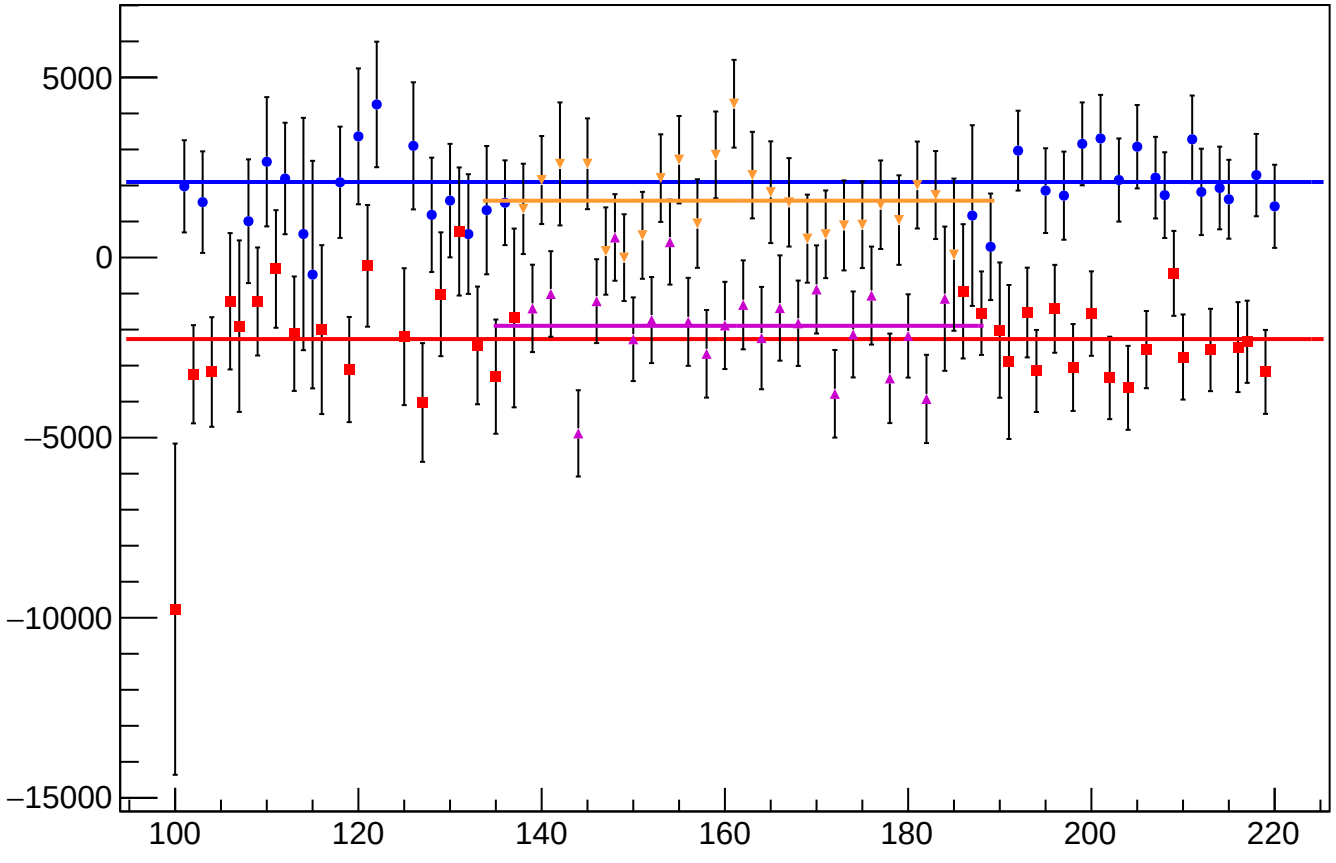
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1004.649+/-0.120 χ^2/NDF: 8741755.3/56

All: 1021.485+/-0.086 χ^2/NDF: 17685548.9/1

- sign 1039.476+/-0.124 χ^2/NDF: 8903239.8/58

eigen_dit_asym_usl_mean vs Slug



Right In: 2096.746+/-238.013 χ^2/NDF: 12.1/32

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

Right Out: -2263.504+/-237.818 χ^2/NDF: 21.4/35

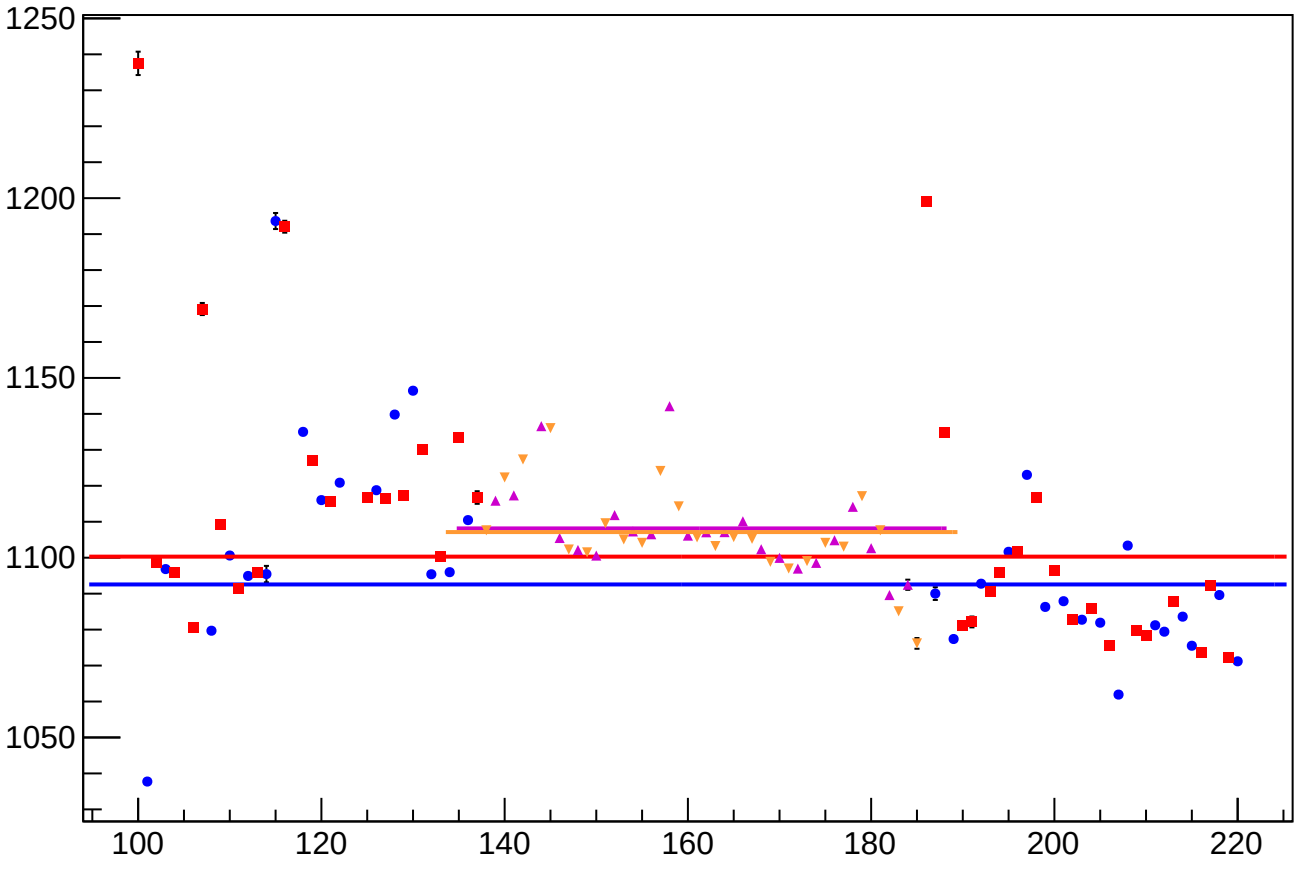
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1856.967+/-174.628 χ^2/NDF: 29.8/56

All: -113.738+/-123.646 χ^2/NDF: 331.8/115

- sign -2095.010+/-175.096 χ^2/NDF: 46.6/58

eigen_dit_asym_usl_rms vs Slug



Right In: 1092.561+/-0.168 χ^2/NDF: 18595.5/32

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

Right Out: 1100.295+/-0.168 χ^2/NDF: 23648.6/35

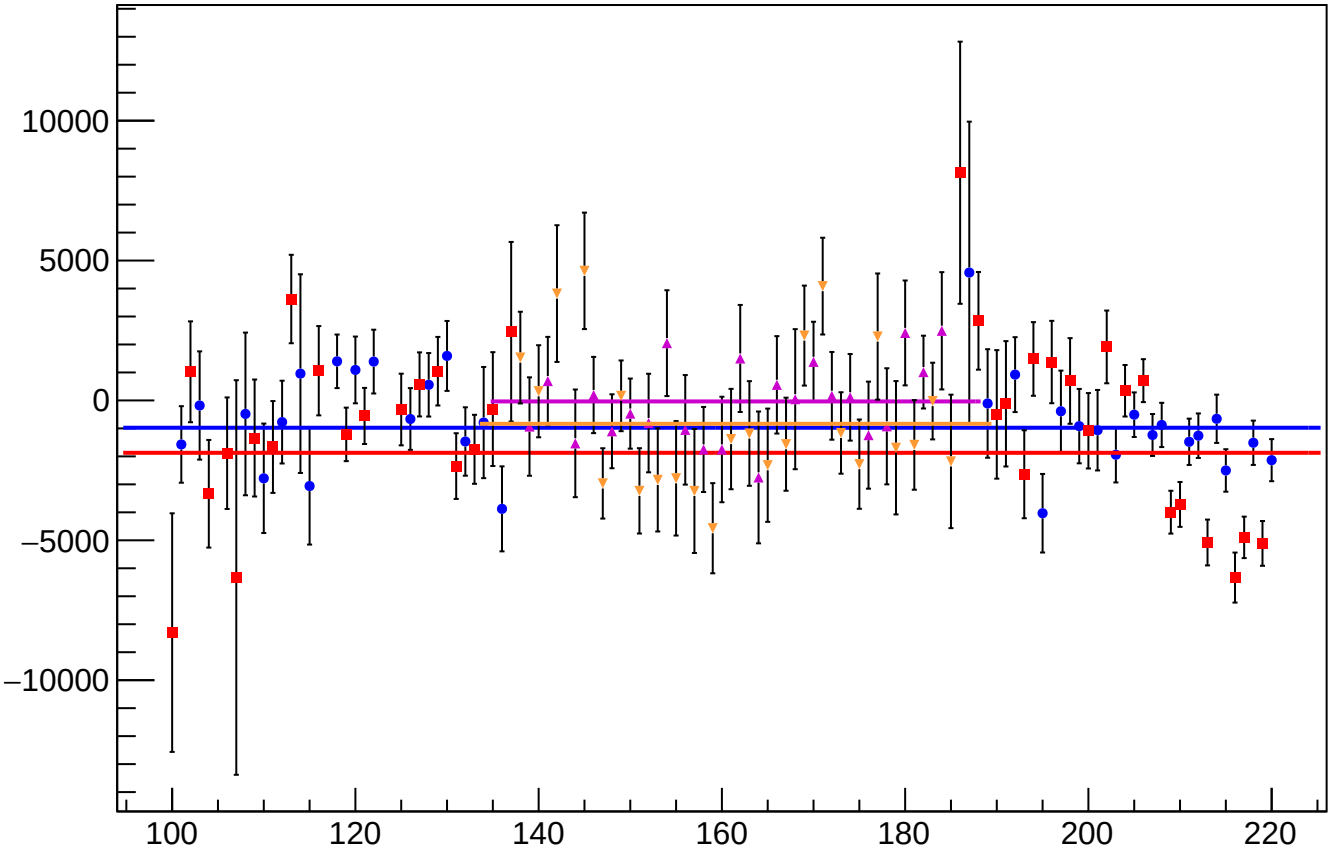
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1099.286+/-0.123 χ^2/NDF: 25837.6/56

All: 1101.582+/-0.087 χ^2/NDF: 55367.9/115

- sign 1103.890+/-0.124 χ^2/NDF: 28837.0/58

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -976.093+/-194.457 χ^2/NDF: 43.1/32

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

Right Out: -1872.165+/-203.364 χ^2/NDF: 177.2/35

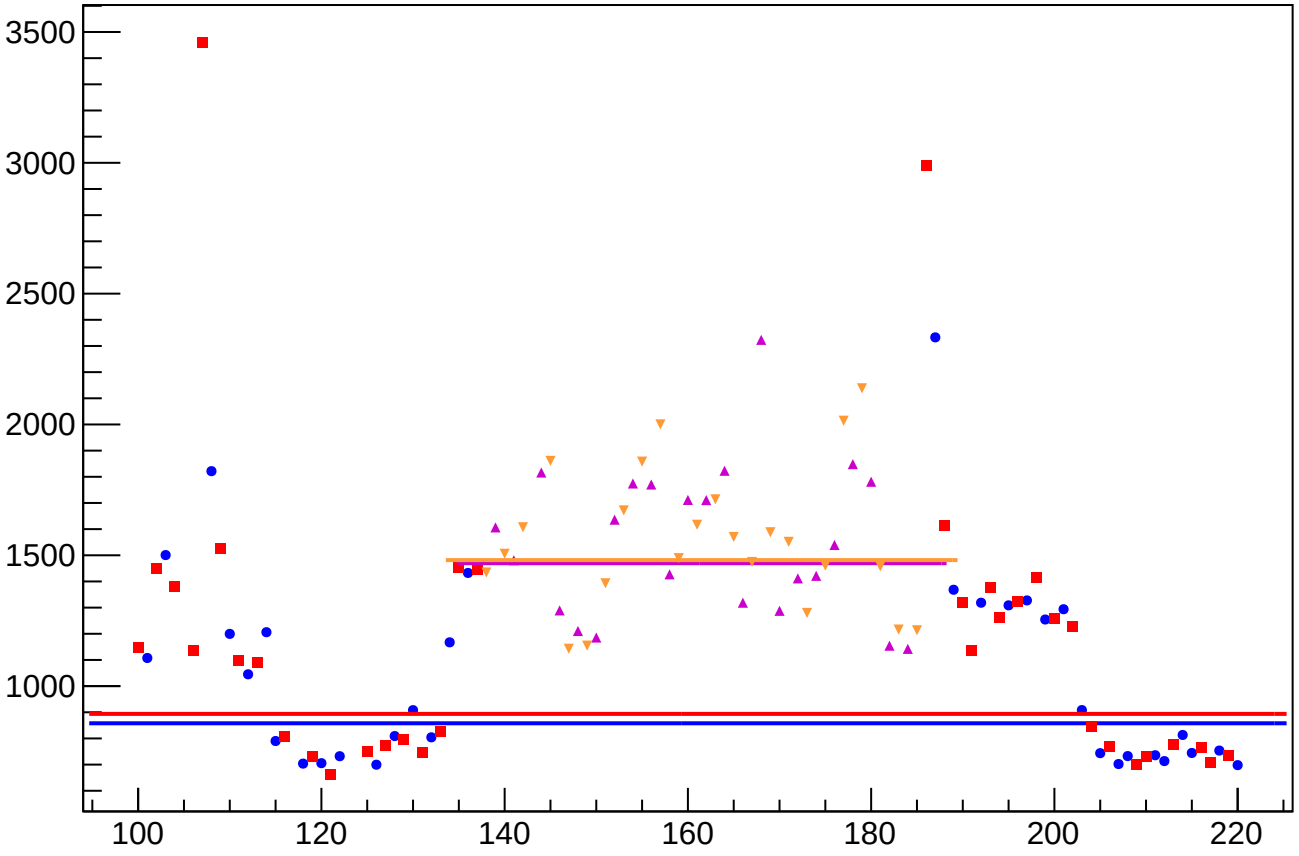
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -942.971+/-170.054 χ^2/NDF: 86.7/56

All: -1167.715+/-122.224 χ^2/NDF: 301.3/115

- sign -1407.879+/-175.791 χ^2/NDF: 211.0/58

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 857.955+/-0.138 χ^2/NDF: 2886032.4/32

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

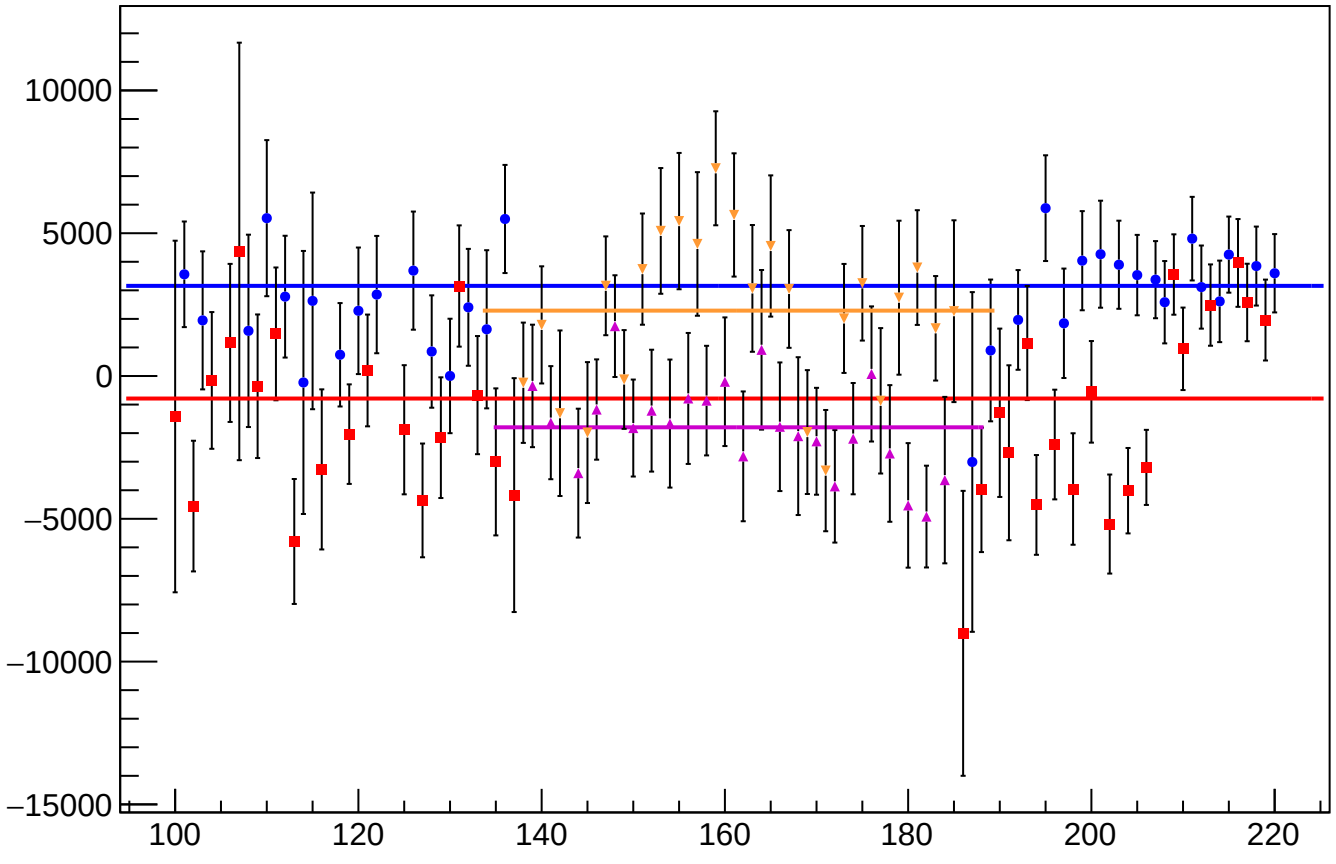
Right Out: 893.856+/-0.144 χ^2/NDF: 3751588.7/35

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

+ sign 1004.648+/-0.120 χ^2/NDF: 8741772.6/56

All: 1021.485+/-0.086 χ^2/NDF: 17685582.5/1

- sign 1039.476+/-0.124 χ^2/NDF: 8903256.2/58



Right In: 3156.720+/-318.491 χ^2/NDF: 18.2/32

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

Right Out: -788.457+/-327.037 χ^2/NDF: 84.6/35

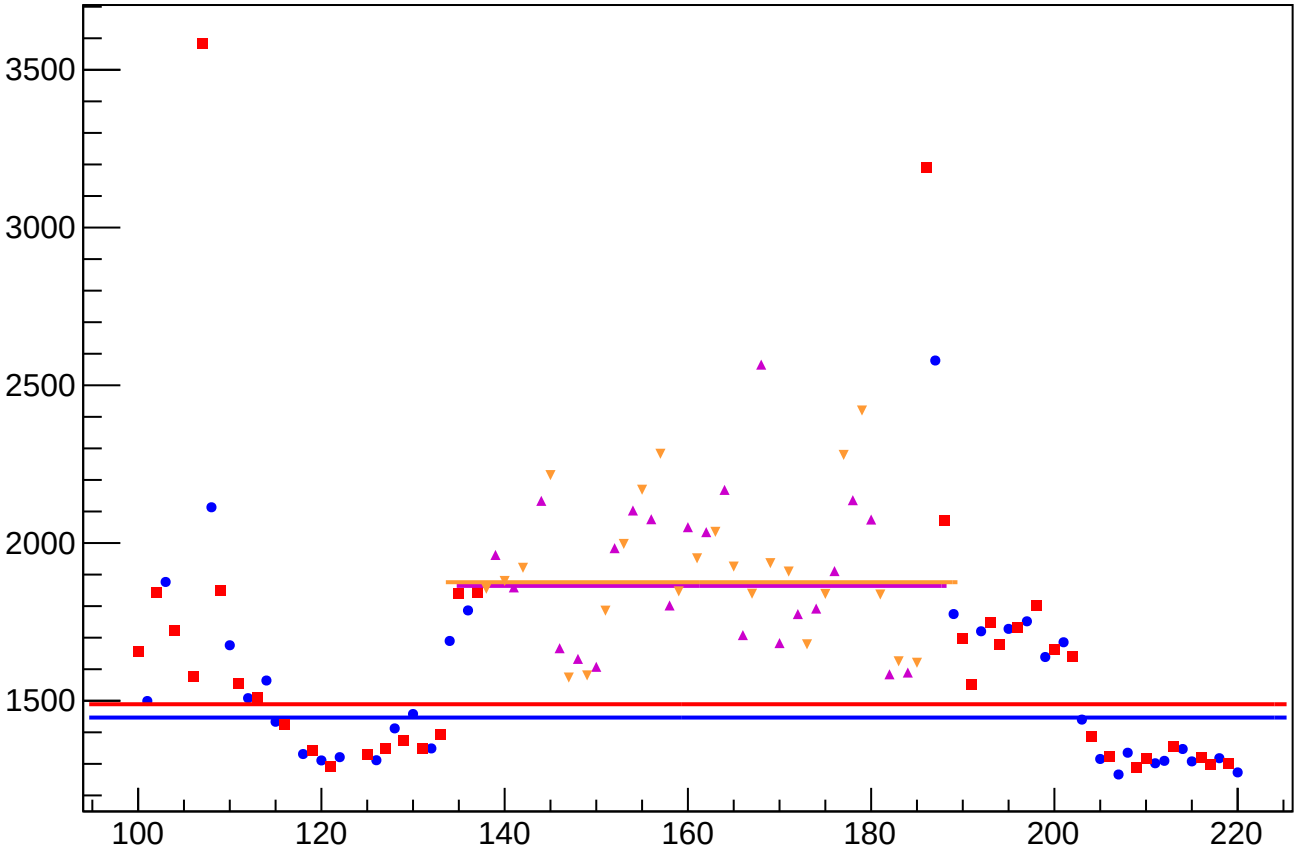
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2858.032+/-257.860 χ^2/NDF: 56.8/56

All: 889.155+/-183.882 χ^2/NDF: 277.6/115

- sign -1148.006+/-262.293 χ^2/NDF: 102.2/58

asym_usl_rms vs Slug



Right In: 1446.802+/-0.225 χ^2/NDF: 770547.7/32

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

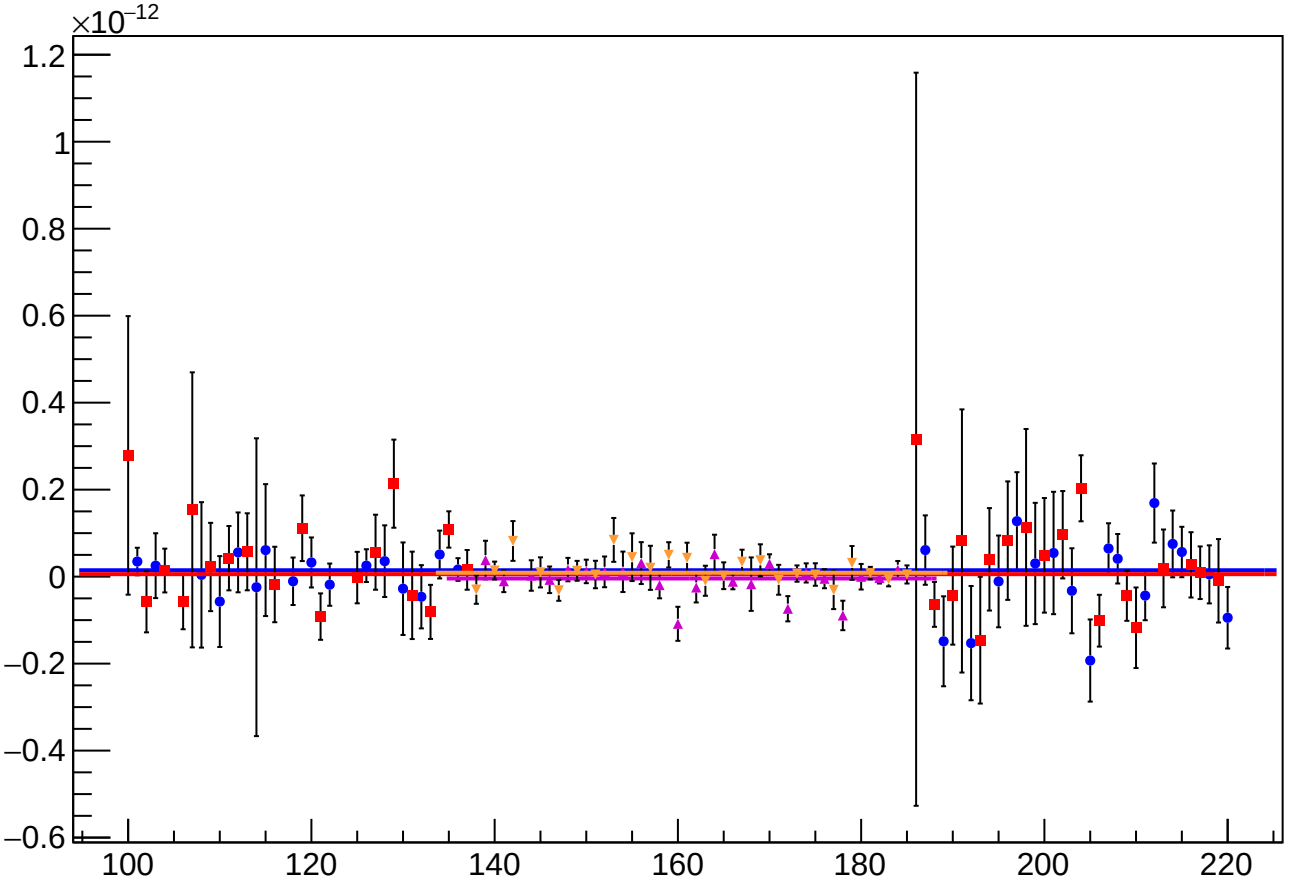
Right Out: 1489.028+/-0.231 χ^2/NDF: 1189579.5/35

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

+ sign 1594.598+/-0.182 χ^2/NDF: 2493281.9/56

All: 1608.486+/-0.130 χ^2/NDF: 5144067.5/11

- sign 1622.856+/-0.185 χ^2/NDF: 2638981.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 22.6/32

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

Right Out: 0.000+/-0.000 χ^2/NDF: 39.1/35

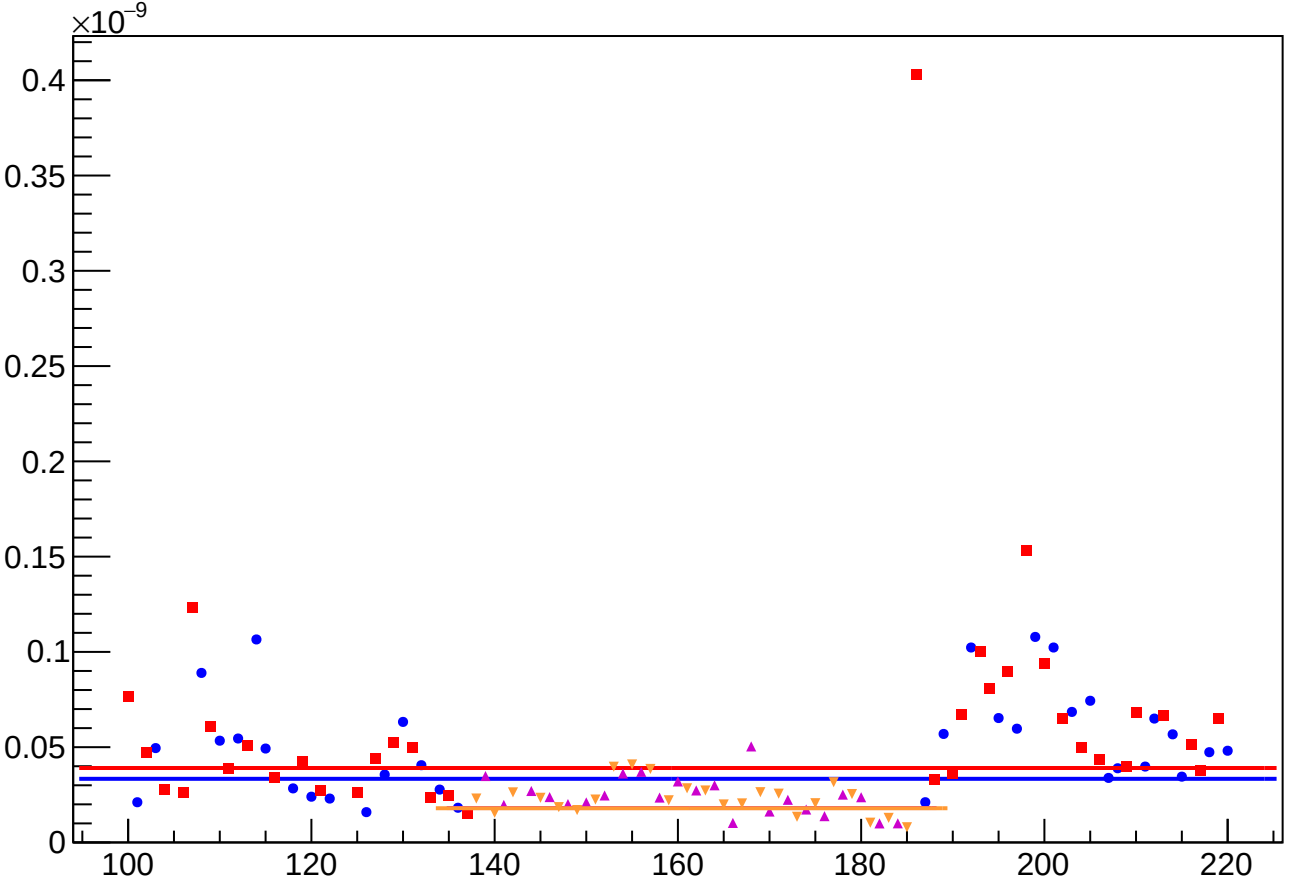
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.4/56

All: 0.000+/-0.000 χ^2/NDF: 110.4/115

- sign -0.000+/-0.000 χ^2/NDF: 67.7/58

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5703778.4/32

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

Right Out: 0.000+/-0.000 χ^2/NDF: 4618401.8/35

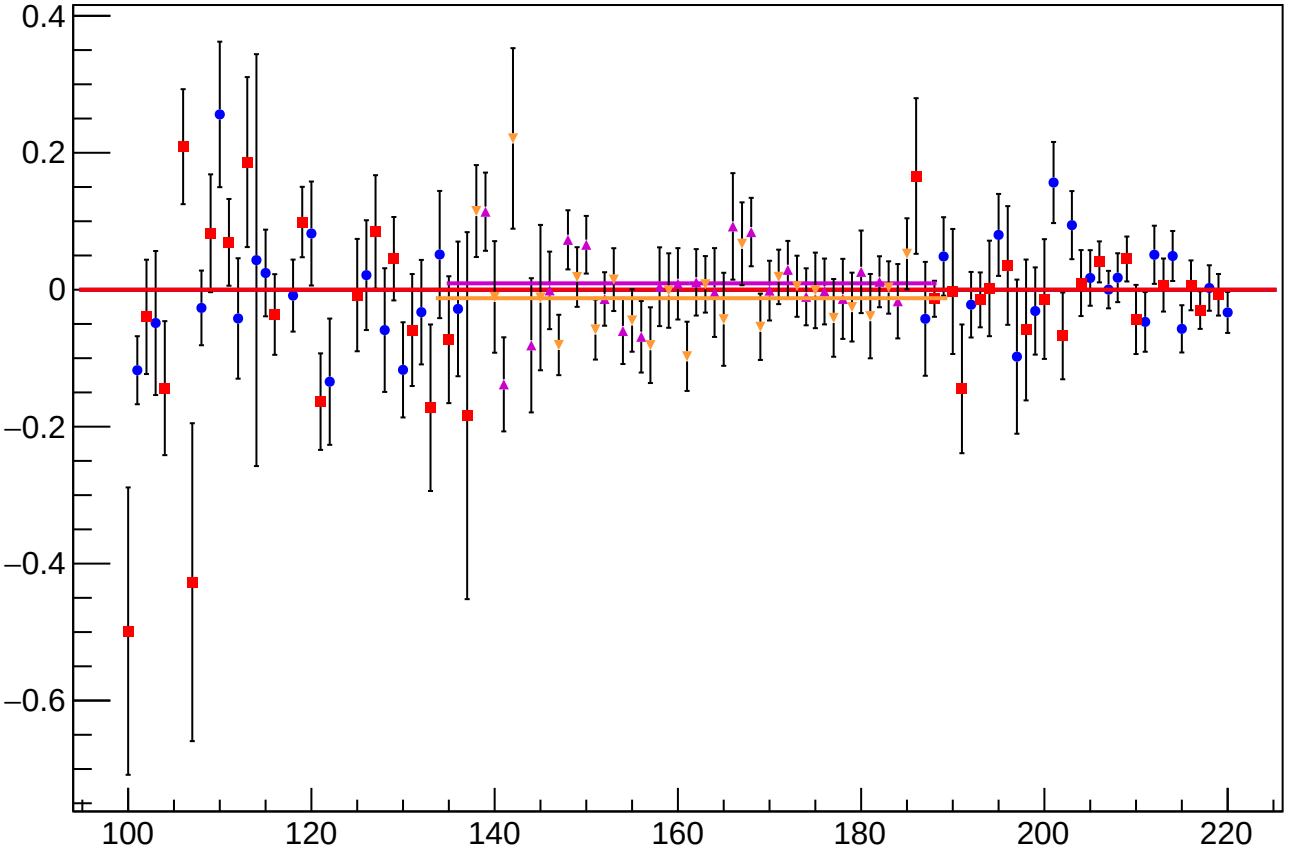
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12335337.9/56

All: 0.000+/-0.000 χ^2/NDF: 25768353.8/115

- sign 0.000+/-0.000 χ^2/NDF: 13426373.4/58

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.009 χ^2/NDF: 42.9/32

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

Right Out: 0.000+/-0.009 χ^2/NDF: 49.0/35

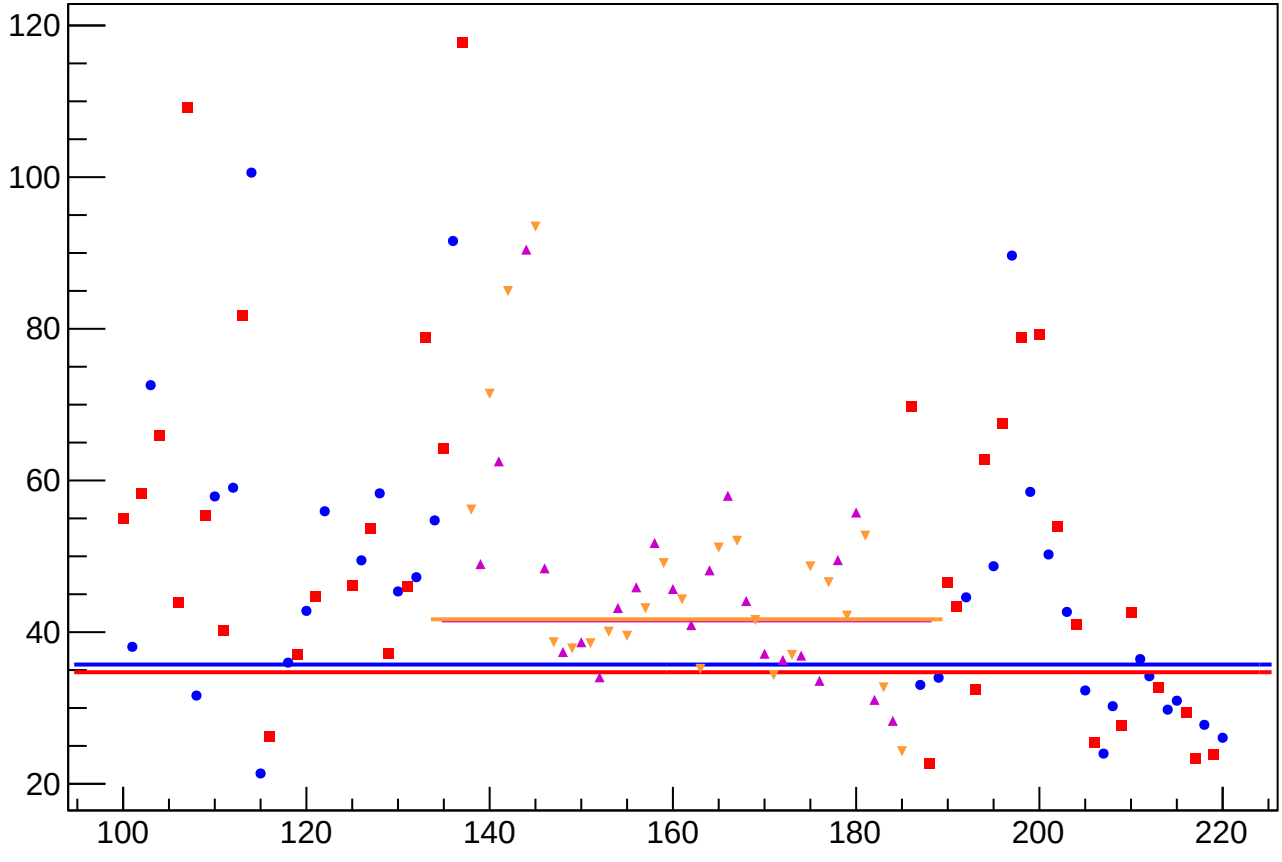
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.005+/-0.007 χ^2/NDF: 65.6/56

All: -0.001+/-0.005 χ^2/NDF: 137.8/115

- sign 0.004+/-0.007 χ^2/NDF: 71.3/58

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 35.728+/-0.006 χ^2/NDF: 3680983.3/32

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

Right Out: 34.716+/-0.006 χ^2/NDF: 5314076.9/35

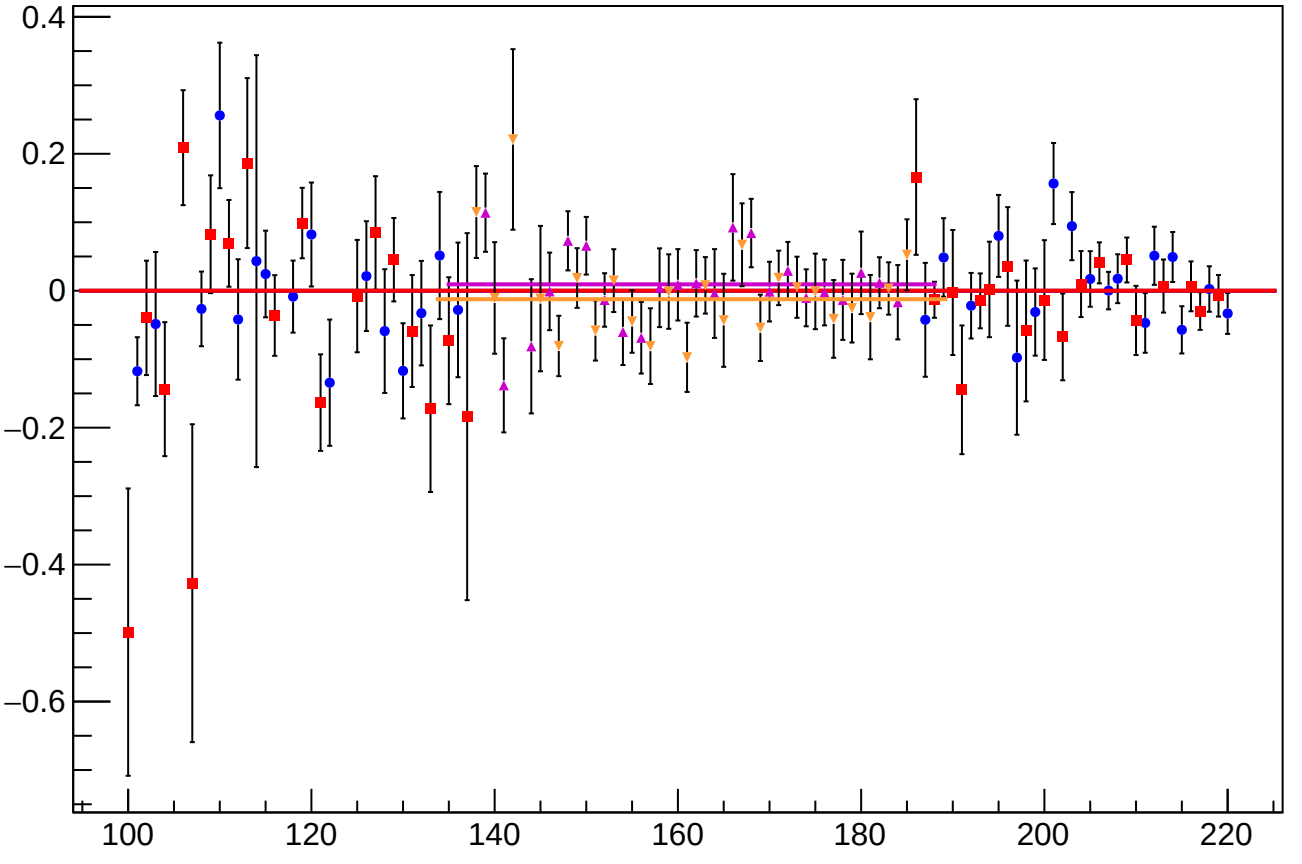
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 38.246+/-0.005 χ^2/NDF: 5876557.7/56

All: 37.917+/-0.003 χ^2/NDF: 13305868.6/115

- sign 37.590+/-0.005 χ^2/NDF: 7420015.8/58

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.000+/-0.009 χ^2/NDF: 42.9/32

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

Right Out: 0.000+/-0.009 χ^2/NDF: 49.0/35

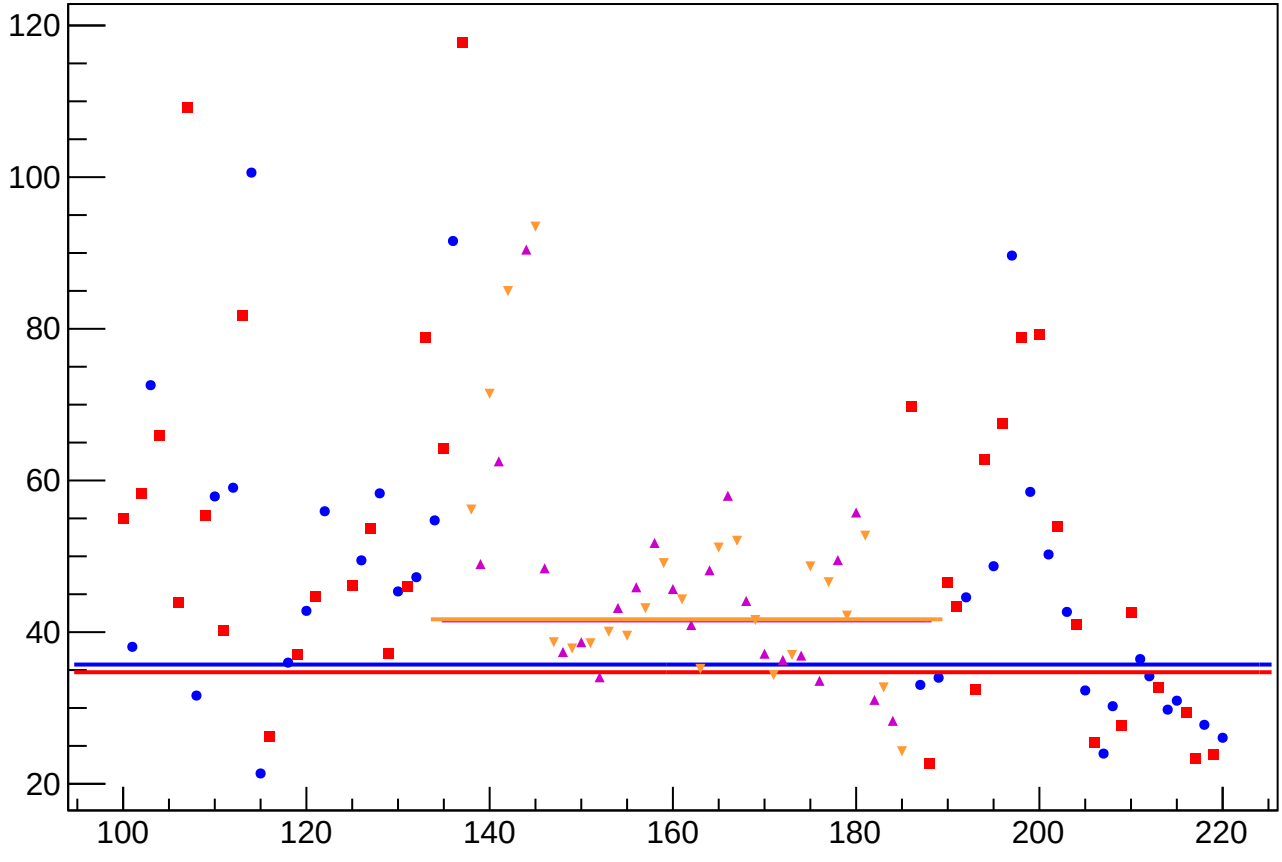
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.005+/-0.007 χ^2/NDF: 65.6/56

All: -0.001+/-0.005 χ^2/NDF: 137.8/115

- sign 0.004+/-0.007 χ^2/NDF: 71.3/58

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.728+/-0.006 χ^2/NDF: 3680983.3/32

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

Right Out: 34.716+/-0.006 χ^2/NDF: 5314076.9/35

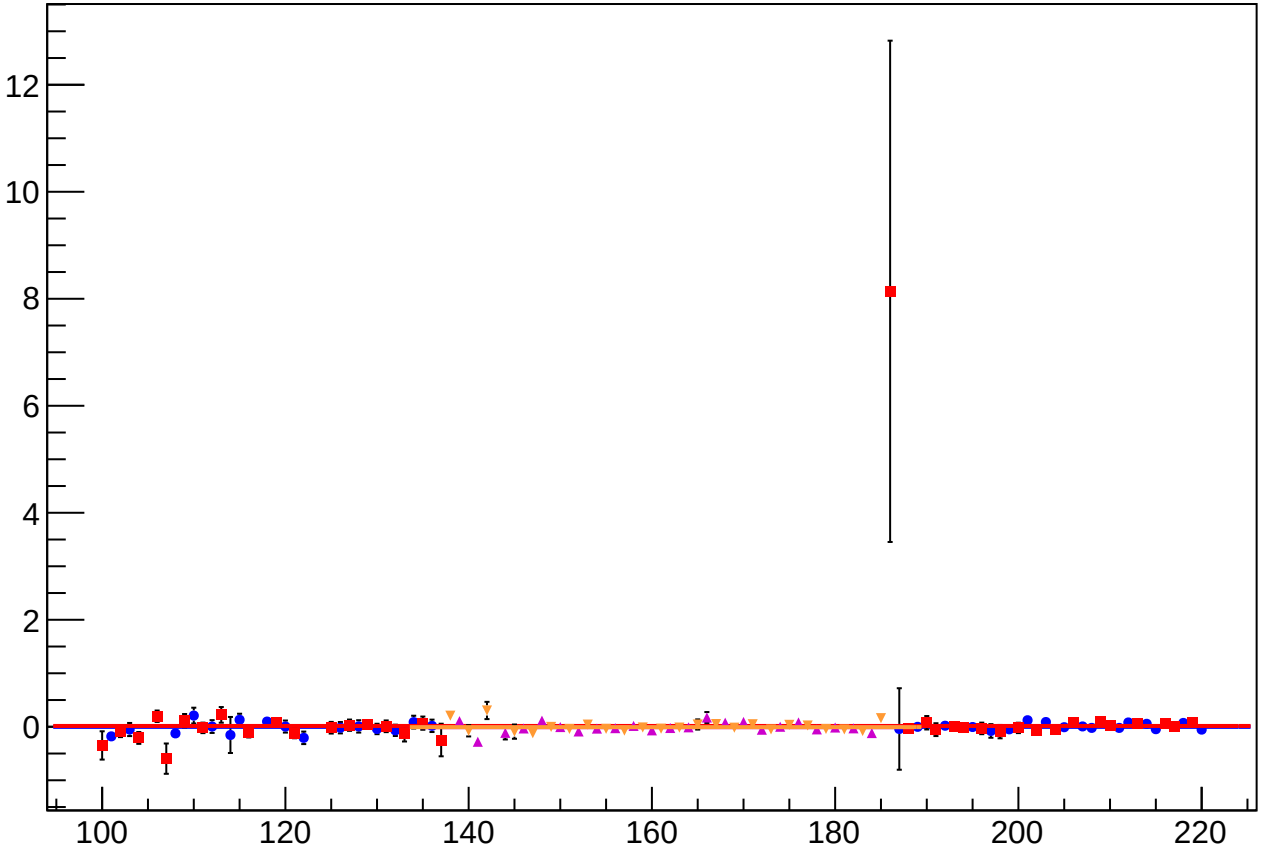
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 38.246+/-0.005 χ^2/NDF: 5876557.7/56

All: 37.917+/-0.003 χ^2/NDF: 13305868.6/115

- sign 37.590+/-0.005 χ^2/NDF: 7420015.8/58

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.002+/-0.013 χ^2/NDF: 31.0/32

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

Right Out: 0.015+/-0.014 χ^2/NDF: 39.3/35

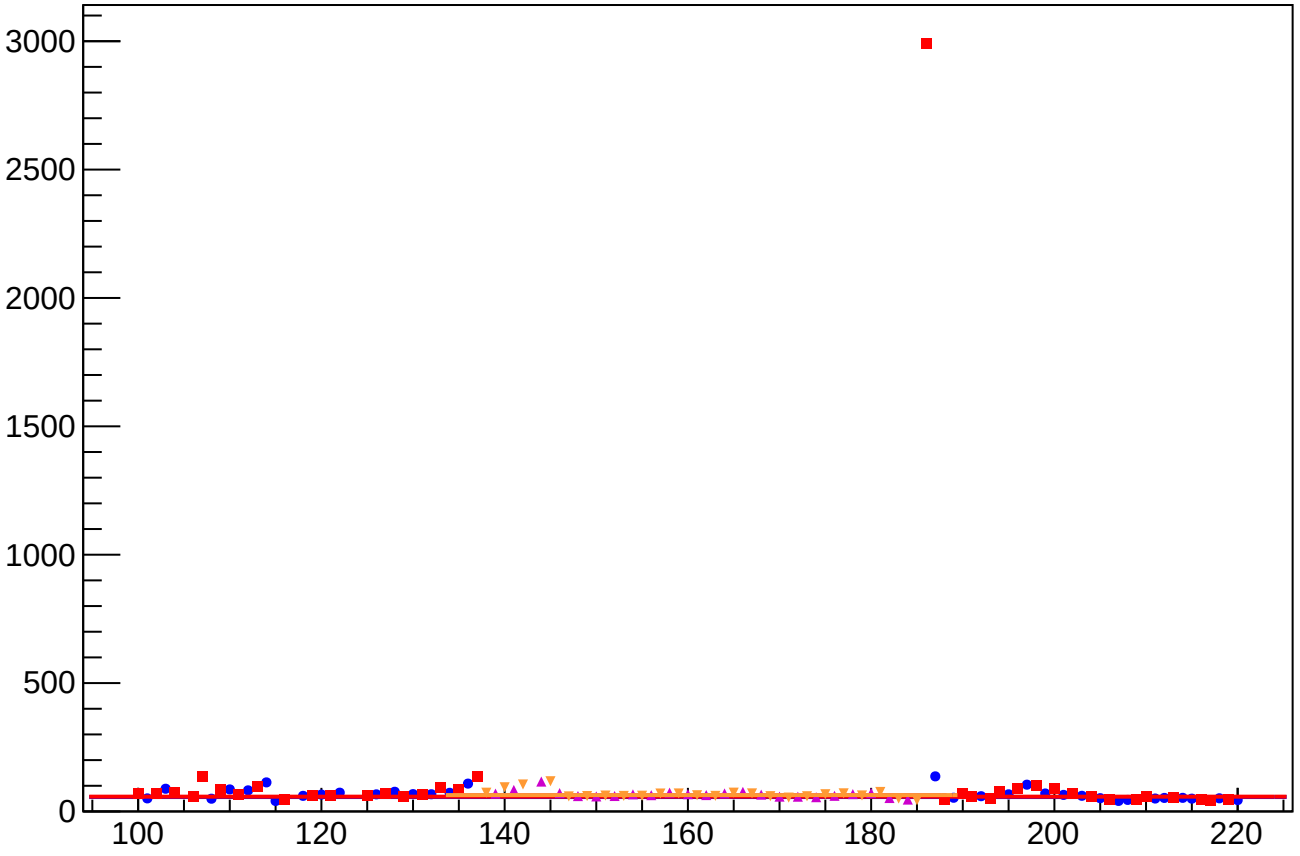
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.004+/-0.010 χ^2/NDF: 54.7/56

All: 0.001+/-0.007 χ^2/NDF: 123.8/115

- sign 0.005+/-0.010 χ^2/NDF: 68.7/58

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 56.146+/-0.009 χ^2/NDF: 2053202.0/32

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

Right Out: 57.624+/-0.010 χ^2/NDF: 3173784.3/35

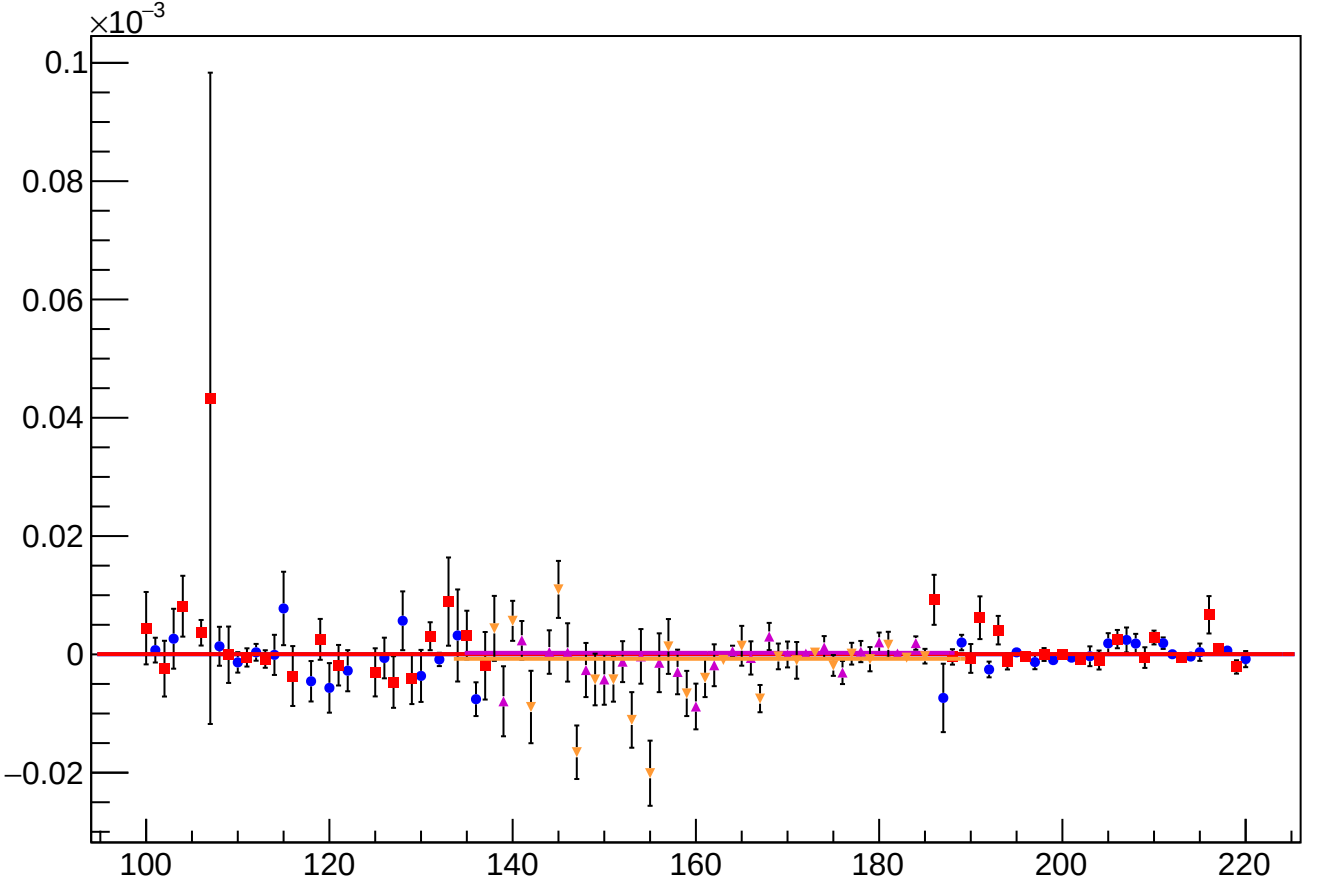
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 59.379+/-0.007 χ^2/NDF: 3414925.0/56

All: 59.887+/-0.005 χ^2/NDF: 7631450.5/115

- sign 60.415+/-0.007 χ^2/NDF: 4206055.4/58

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 42.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 55.3/35

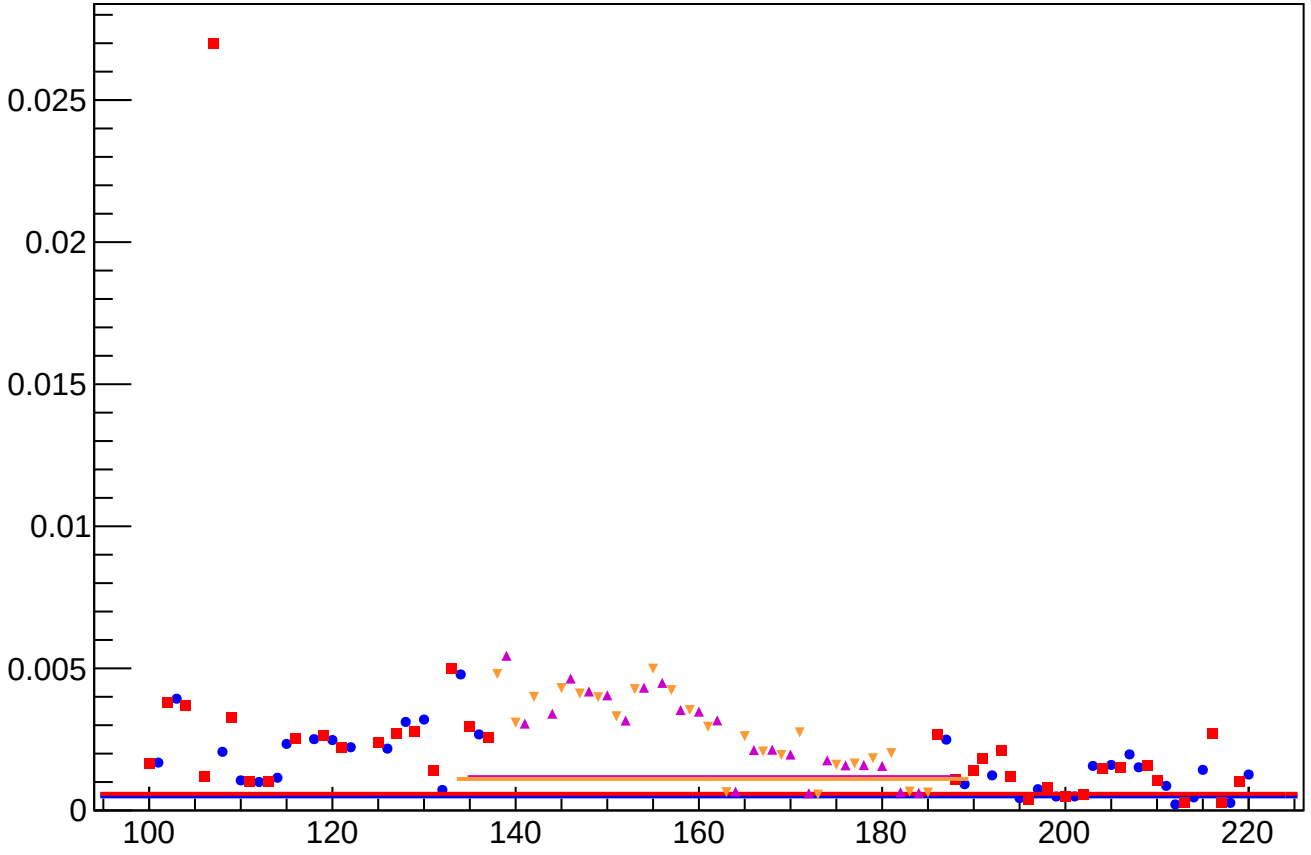
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 106.9/56

All: -0.000+/-0.000 χ^2/NDF: 182.2/115

- sign 0.000+/-0.000 χ^2/NDF: 74.4/58

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 17335944.9/32

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 17136999.5/35

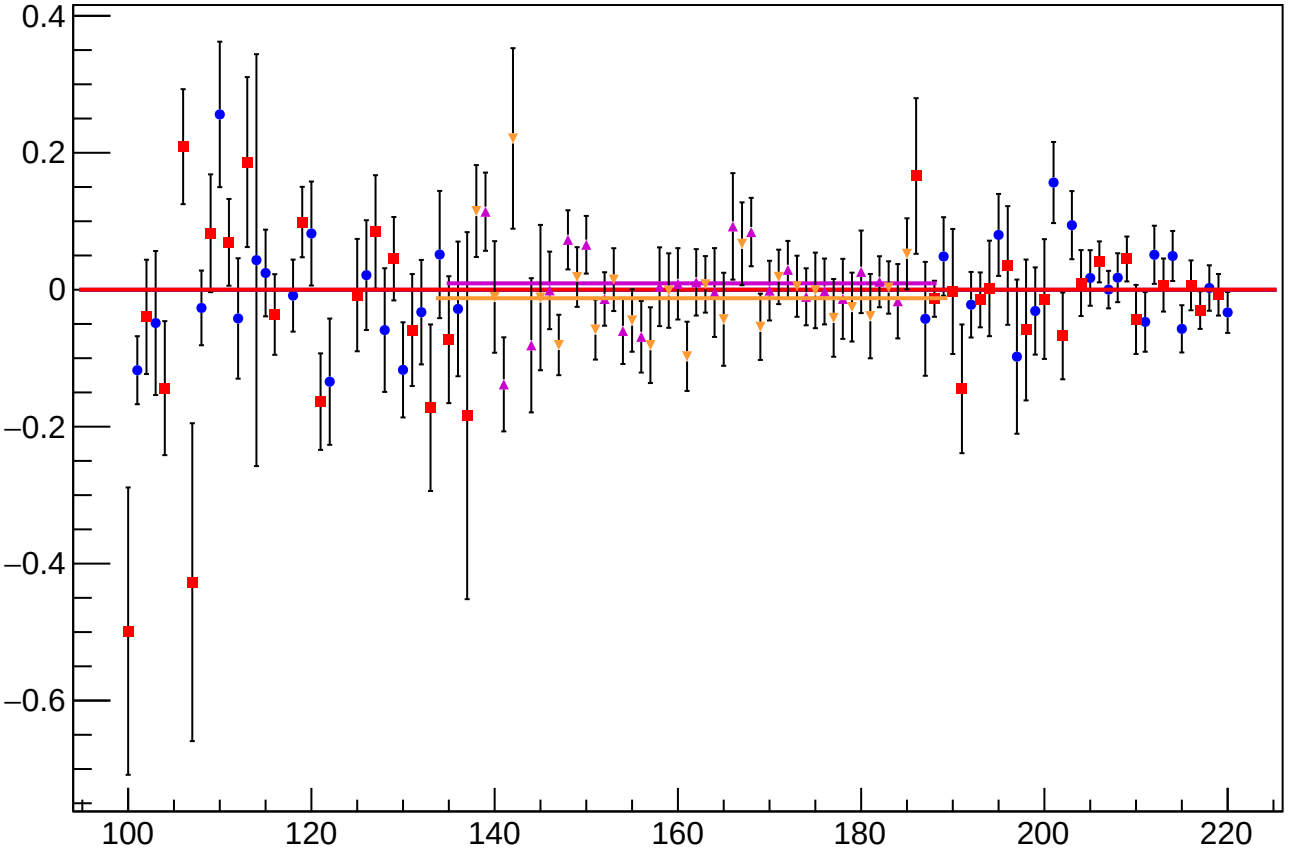
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 37878631.8/56

All: 0.001+/-0.000 χ^2/NDF: 74046423.3/115

- sign 0.001+/-0.000 χ^2/NDF: 35661988.6/58

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.009 χ^2/NDF: 42.9/32

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

Right Out: 0.000+/-0.009 χ^2/NDF: 49.0/35

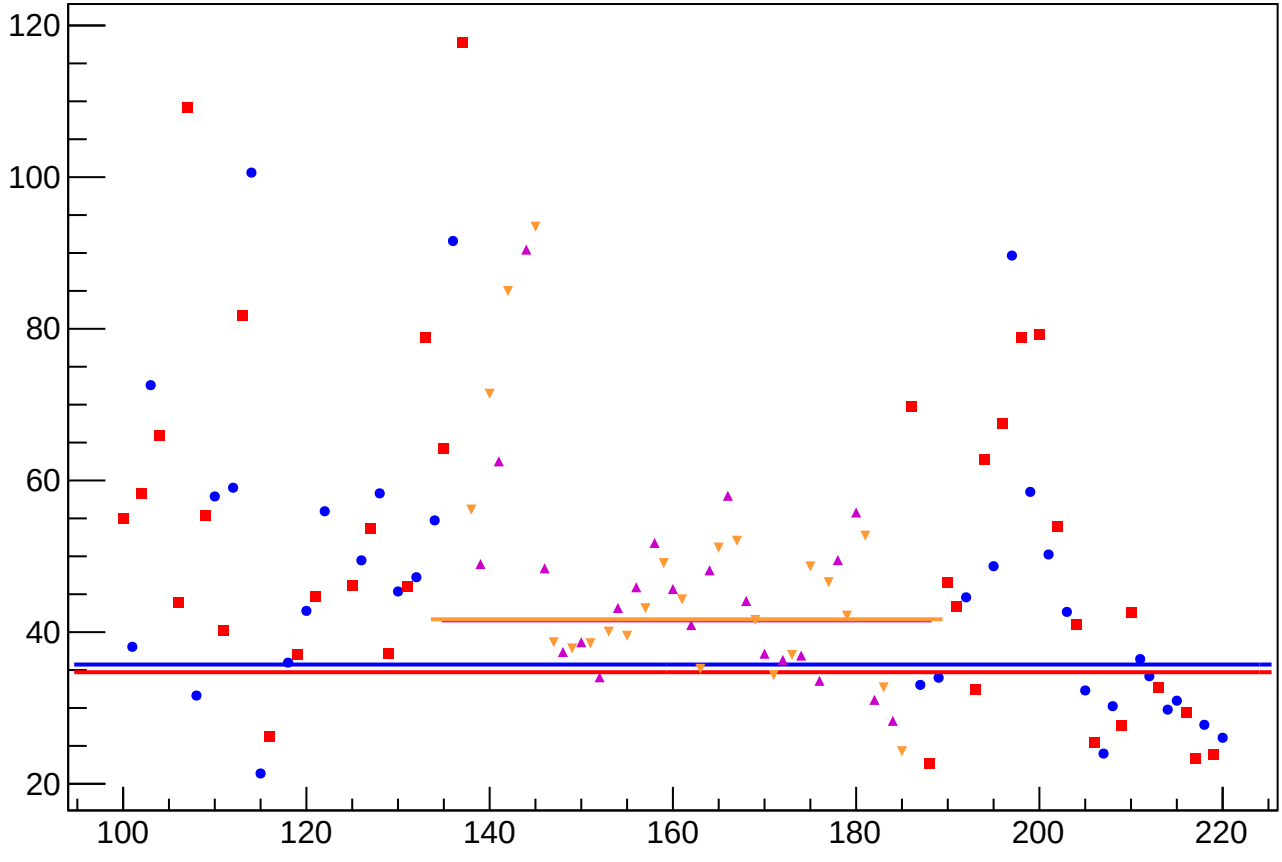
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.005+/-0.007 χ^2/NDF: 65.6/56

All: -0.001+/-0.005 χ^2/NDF: 137.8/115

- sign 0.004+/-0.007 χ^2/NDF: 71.3/58

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.728+/-0.006 χ^2/NDF: 3680956.7/32

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

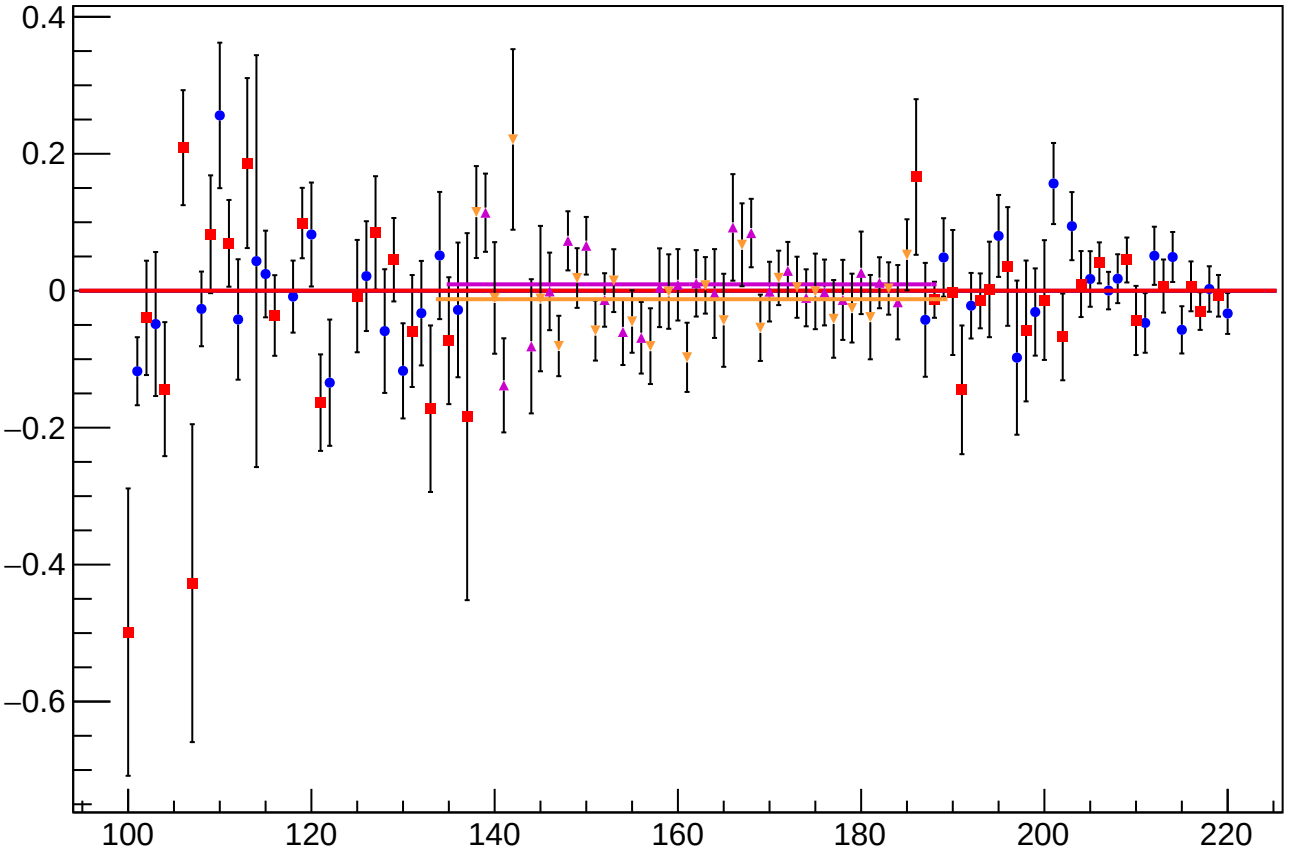
Right Out: 34.716+/-0.006 χ^2/NDF: 5313905.6/35

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 38.246+/-0.005 χ^2/NDF: 5876528.8/56

All: 37.917+/-0.003 χ^2/NDF: 13305646.5/115

- sign 37.590+/-0.005 χ^2/NDF: 7419828.5/58



Right In: -0.000+/-0.009 χ^2/NDF: 42.9/32

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

Right Out: 0.000+/-0.009 χ^2/NDF: 49.0/35

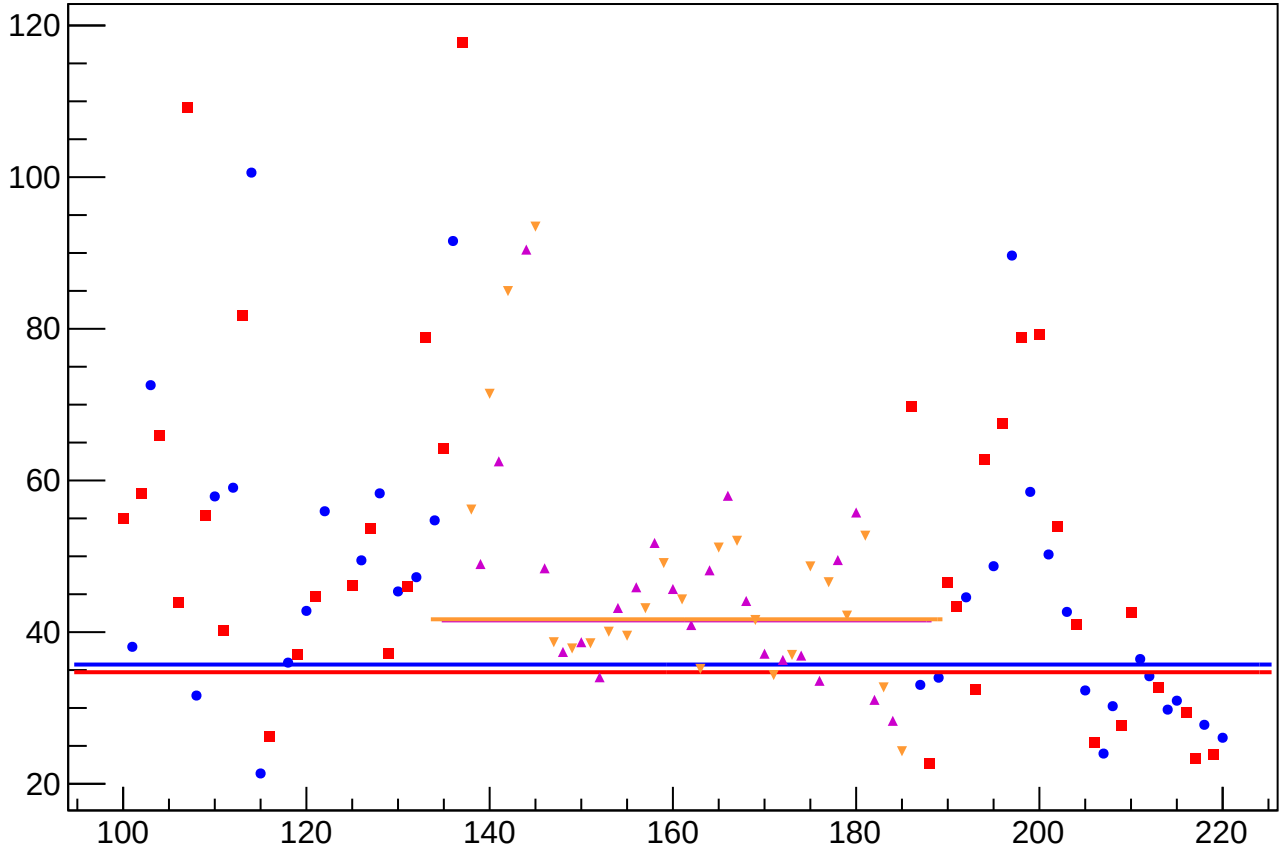
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.005+/-0.007 χ^2/NDF: 65.6/56

All: -0.001+/-0.005 χ^2/NDF: 137.8/115

- sign 0.004+/-0.007 χ^2/NDF: 71.3/58

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.728+/-0.006 χ^2/NDF: 3680956.7/32

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 34.716+/-0.006 χ^2/NDF: 5313905.6/35

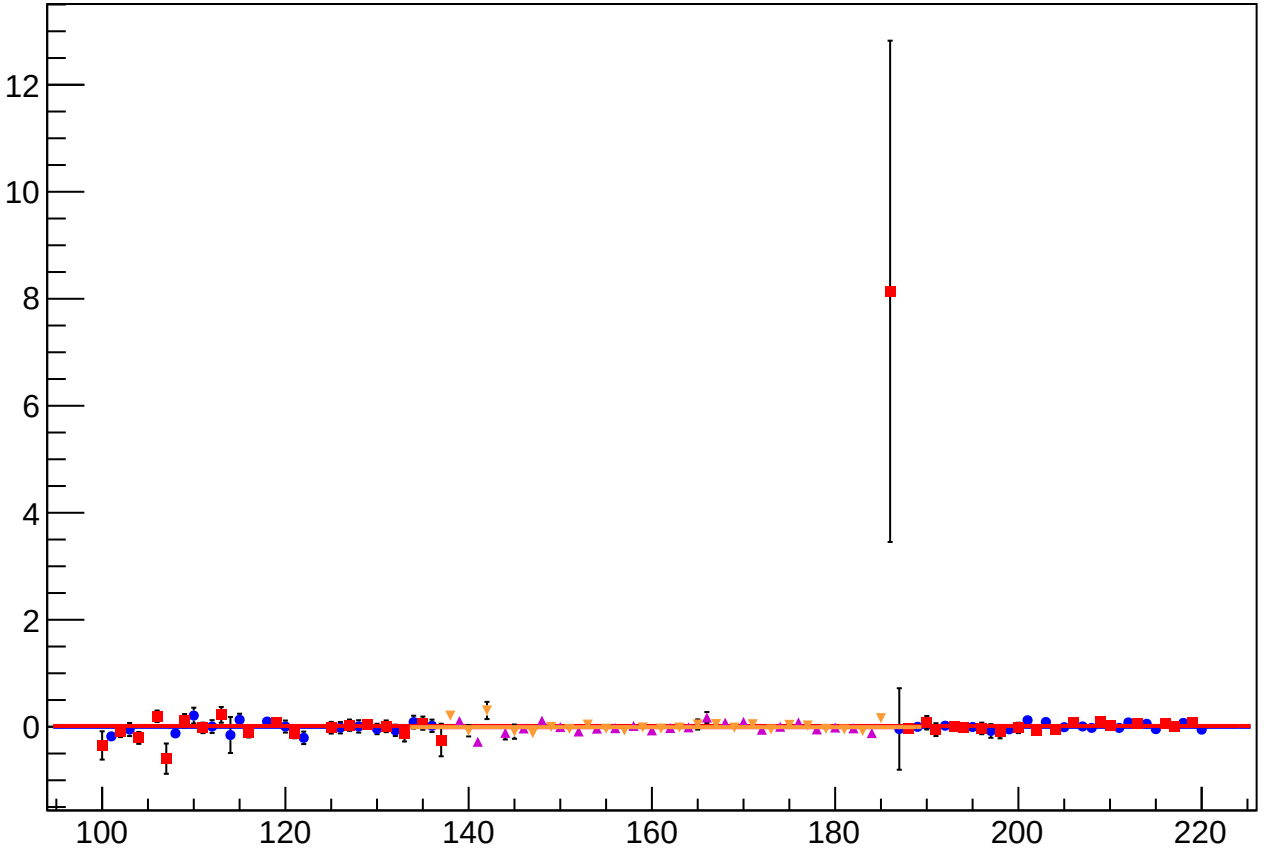
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 38.246+/-0.005 χ^2/NDF: 5876528.8/56

All: 37.917+/-0.003 χ^2/NDF: 13305646.5/115

- sign 37.590+/-0.005 χ^2/NDF: 7419828.5/58

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.002+/-0.013 χ^2/NDF: 31.0/32

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

Right Out: 0.015+/-0.014 χ^2/NDF: 39.3/35

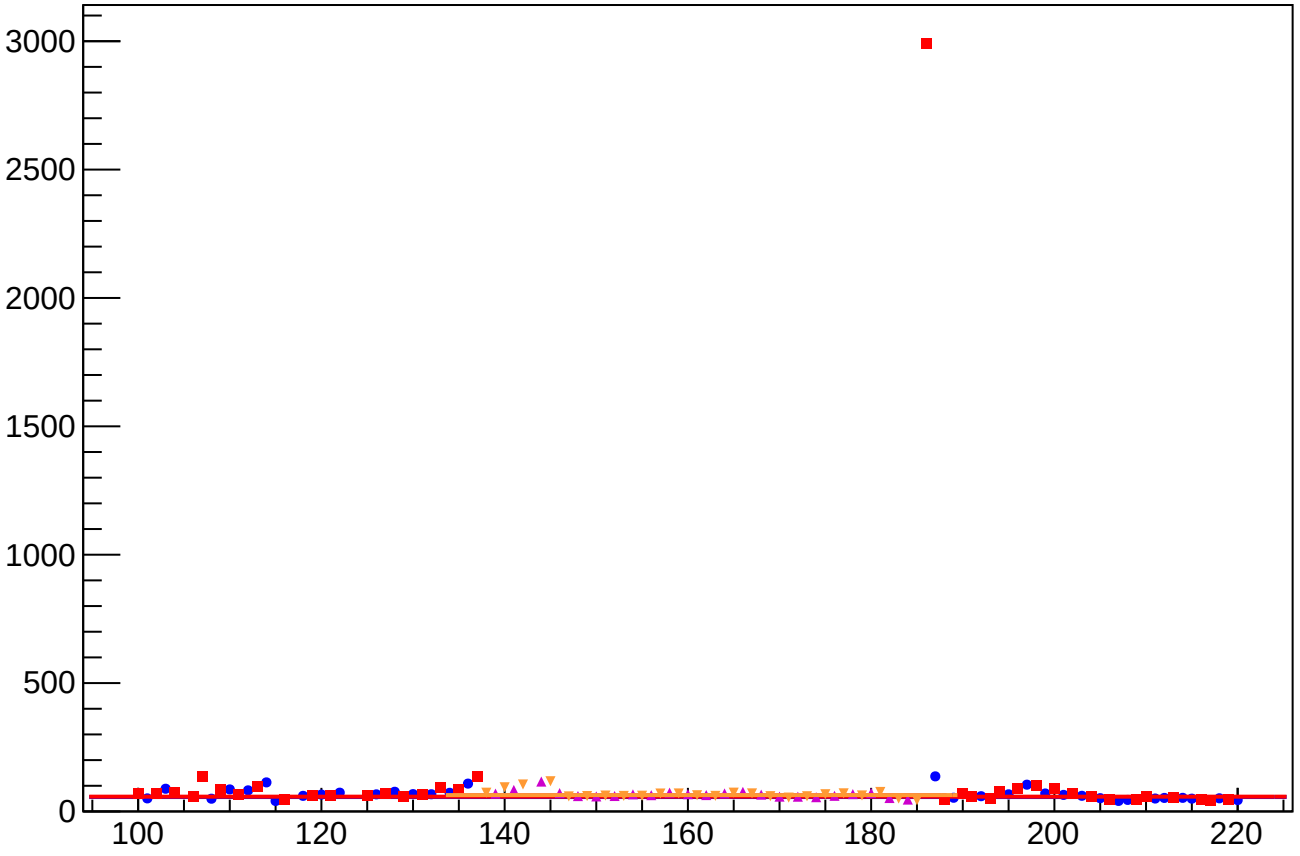
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.004+/-0.010 χ^2/NDF: 54.7/56

All: 0.001+/-0.007 χ^2/NDF: 123.8/115

- sign 0.005+/-0.010 χ^2/NDF: 68.7/58

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 56.146+/-0.009 χ^2/NDF: 2053190.3/32

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

Right Out: 57.624+/-0.010 χ^2/NDF: 3173762.4/35

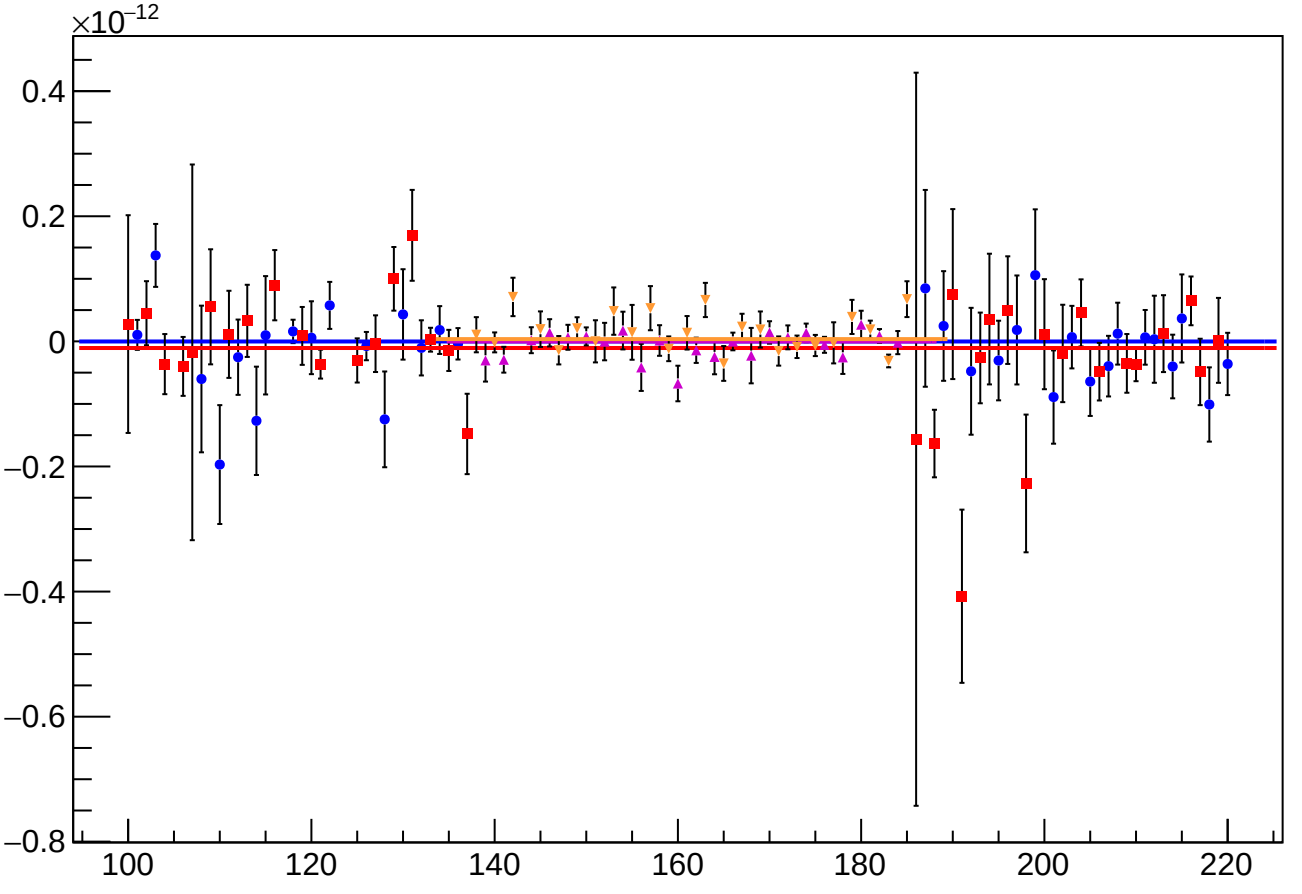
Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 59.379+/-0.007 χ^2/NDF: 3414915.4/56

All: 59.887+/-0.005 χ^2/NDF: 7631435.6/115

- sign 60.415+/-0.007 χ^2/NDF: 4206050.8/58

asym_usl_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 30.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 52.9/35

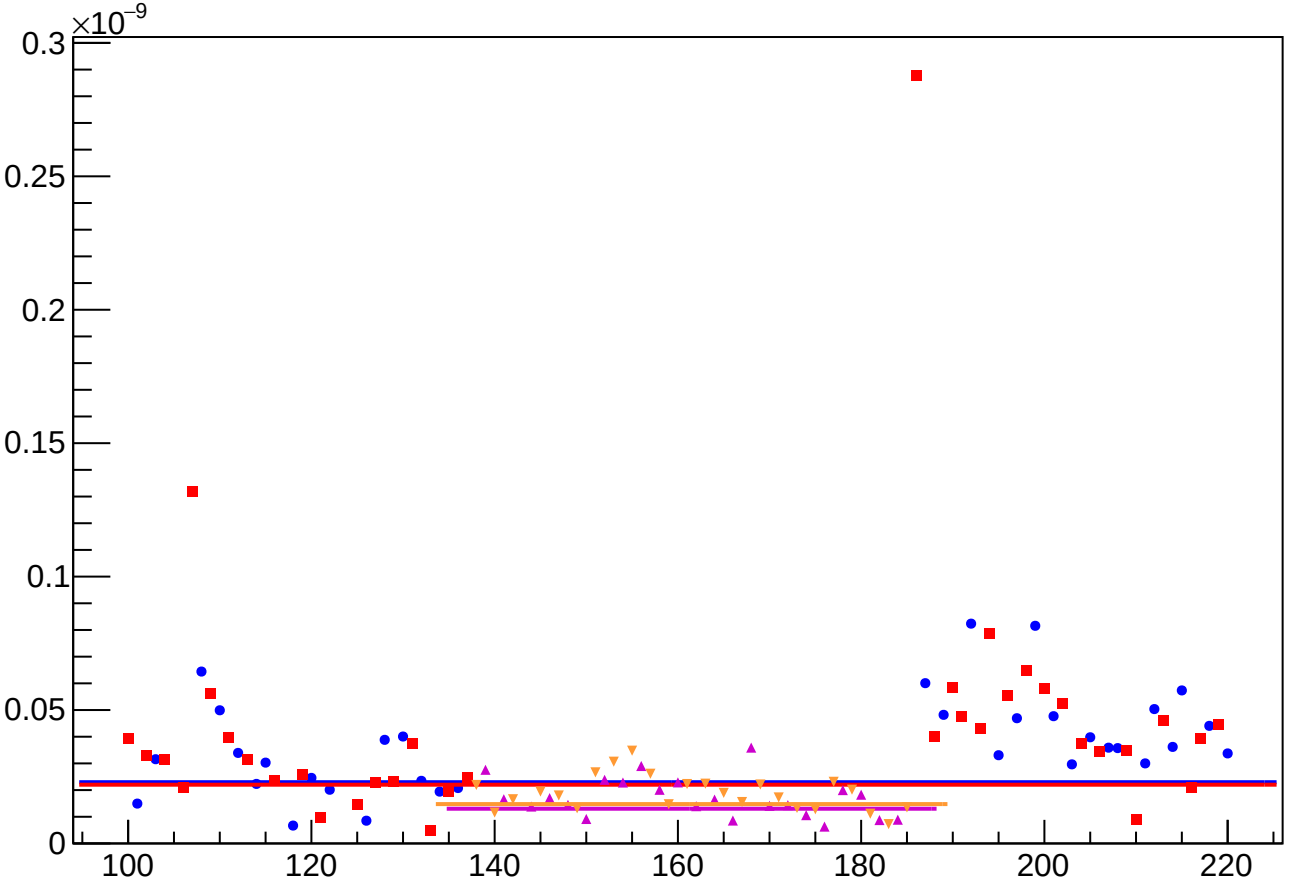
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.6/56

All: 0.000+/-0.000 χ^2/NDF: 143.9/115

- sign -0.000+/-0.000 χ^2/NDF: 71.4/58

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7168739.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7848785.8/35

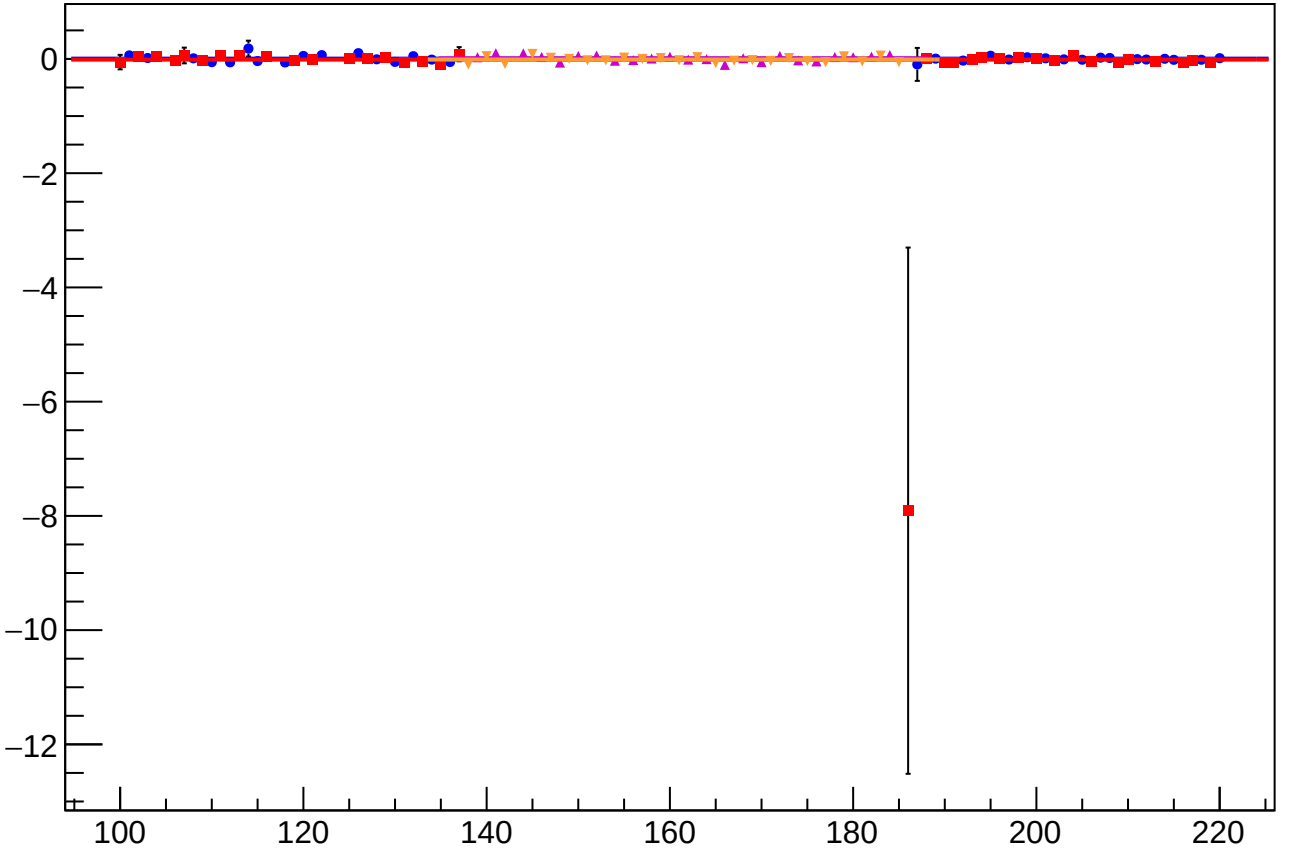
Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12371720.0/56

All: 0.000+/-0.000 χ^2/NDF: 26430506.8/115

- sign 0.000+/-0.000 χ^2/NDF: 13815089.9/58

asym_usl_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 20.8/32

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.012+/-0.007 χ^2/NDF: 36.3/35

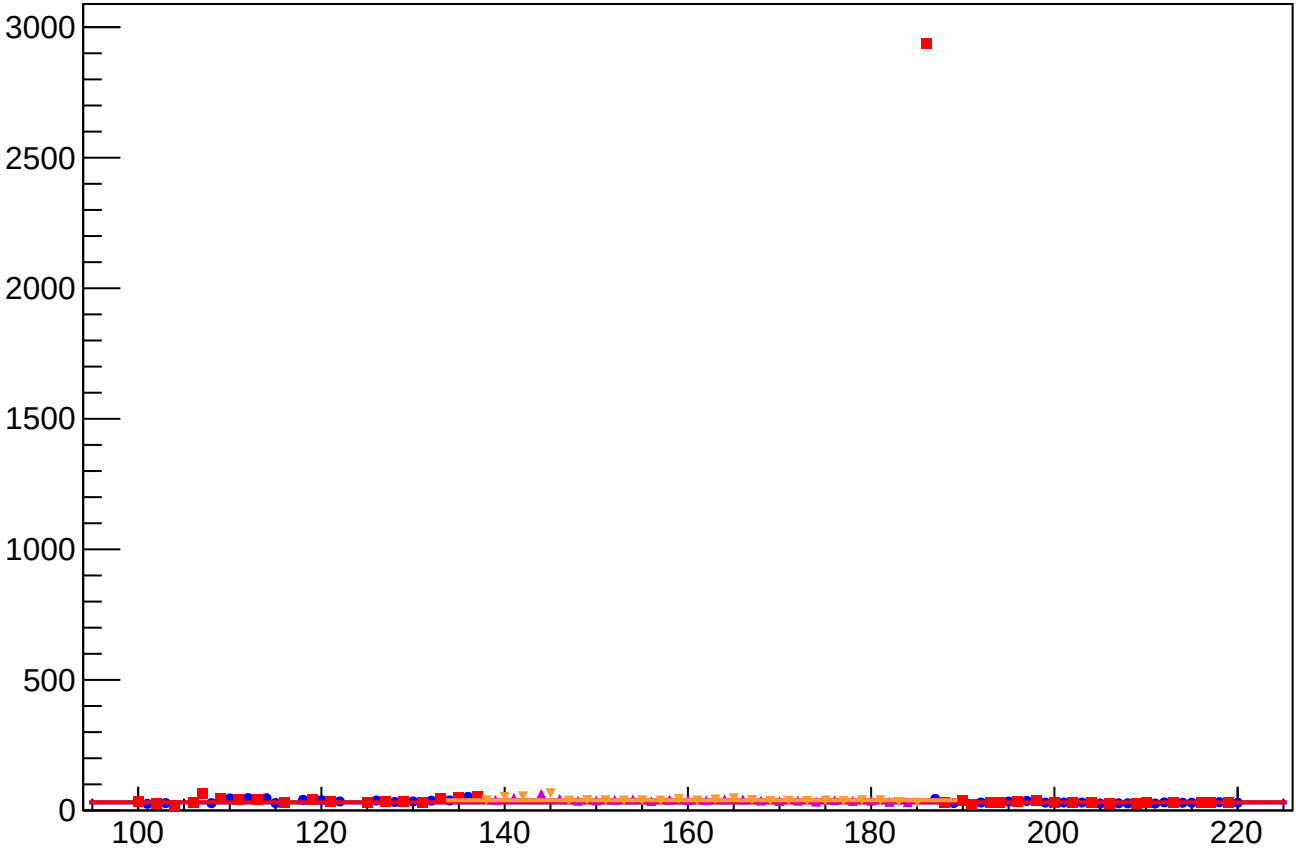
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.000+/-0.006 χ^2/NDF: 41.8/56

All: -0.002+/-0.004 χ^2/NDF: 105.2/115

- sign -0.003+/-0.006 χ^2/NDF: 63.2/58

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.887+/-0.005 χ^2/NDF: 975449.5/32

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

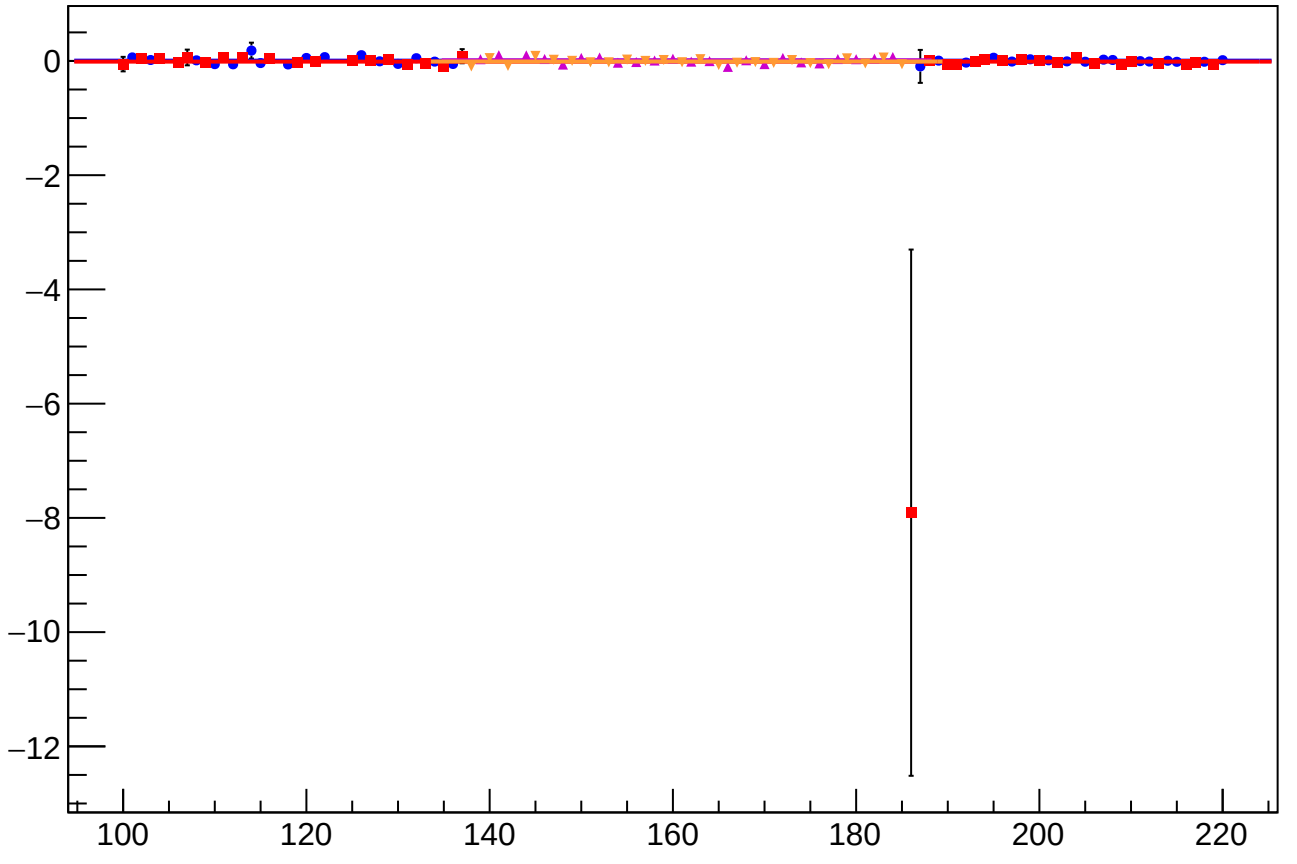
Right Out: 31.120+/-0.005 χ^2/NDF: 2010317.1/35

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 33.830+/-0.004 χ^2/NDF: 2528257.1/56

All: 33.937+/-0.003 χ^2/NDF: 5967018.5/115

- sign 34.046+/-0.004 χ^2/NDF: 3437351.3/58



Right In: 0.005+/-0.007 χ^2/NDF: 20.8/32

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: -0.012+/-0.007 χ^2/NDF: 36.3/35

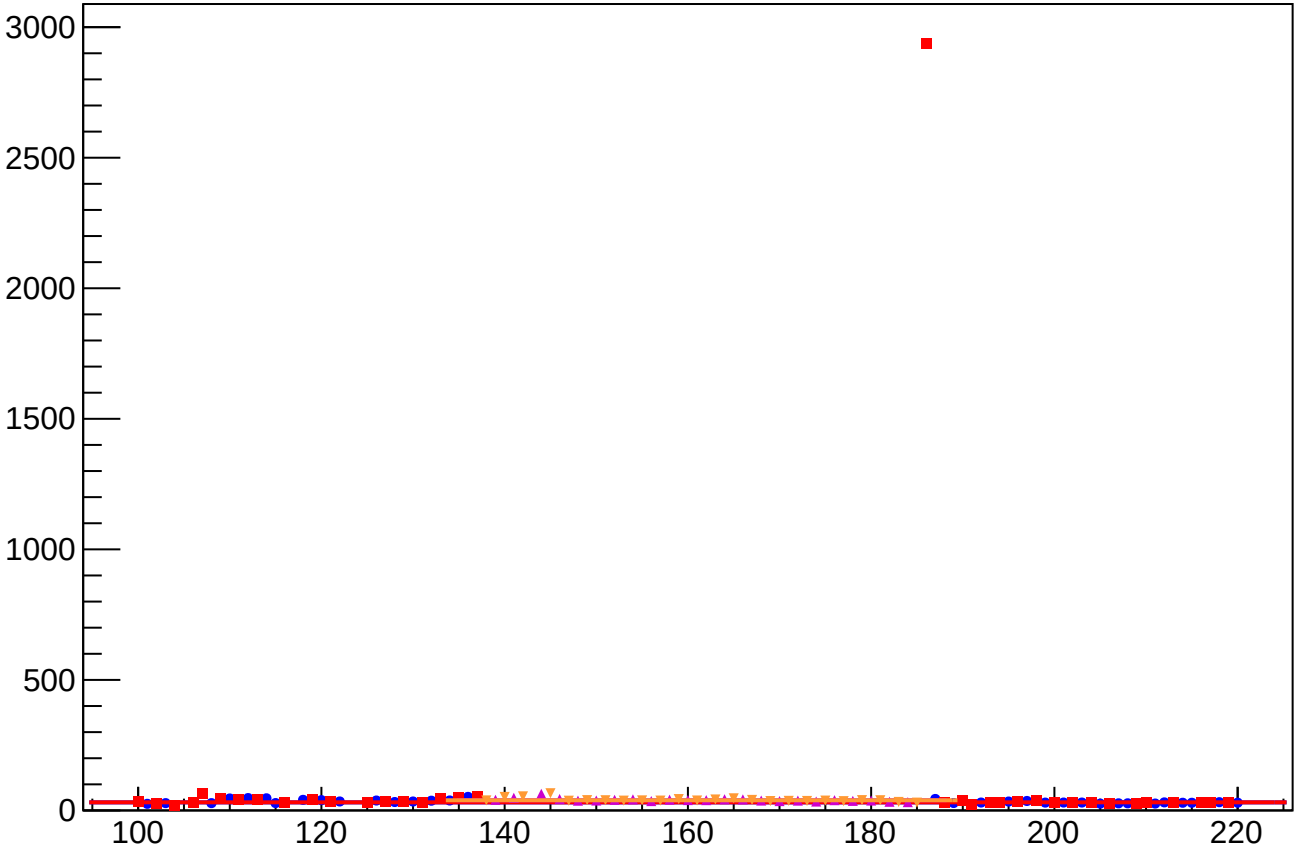
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.000+/-0.006 χ^2/NDF: 41.8/56

All: -0.002+/-0.004 χ^2/NDF: 105.2/115

- sign -0.003+/-0.006 χ^2/NDF: 63.2/58

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 30.887+/-0.005 χ^2/NDF: 975449.5/32

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.120+/-0.005 χ^2/NDF: 2010317.1/35

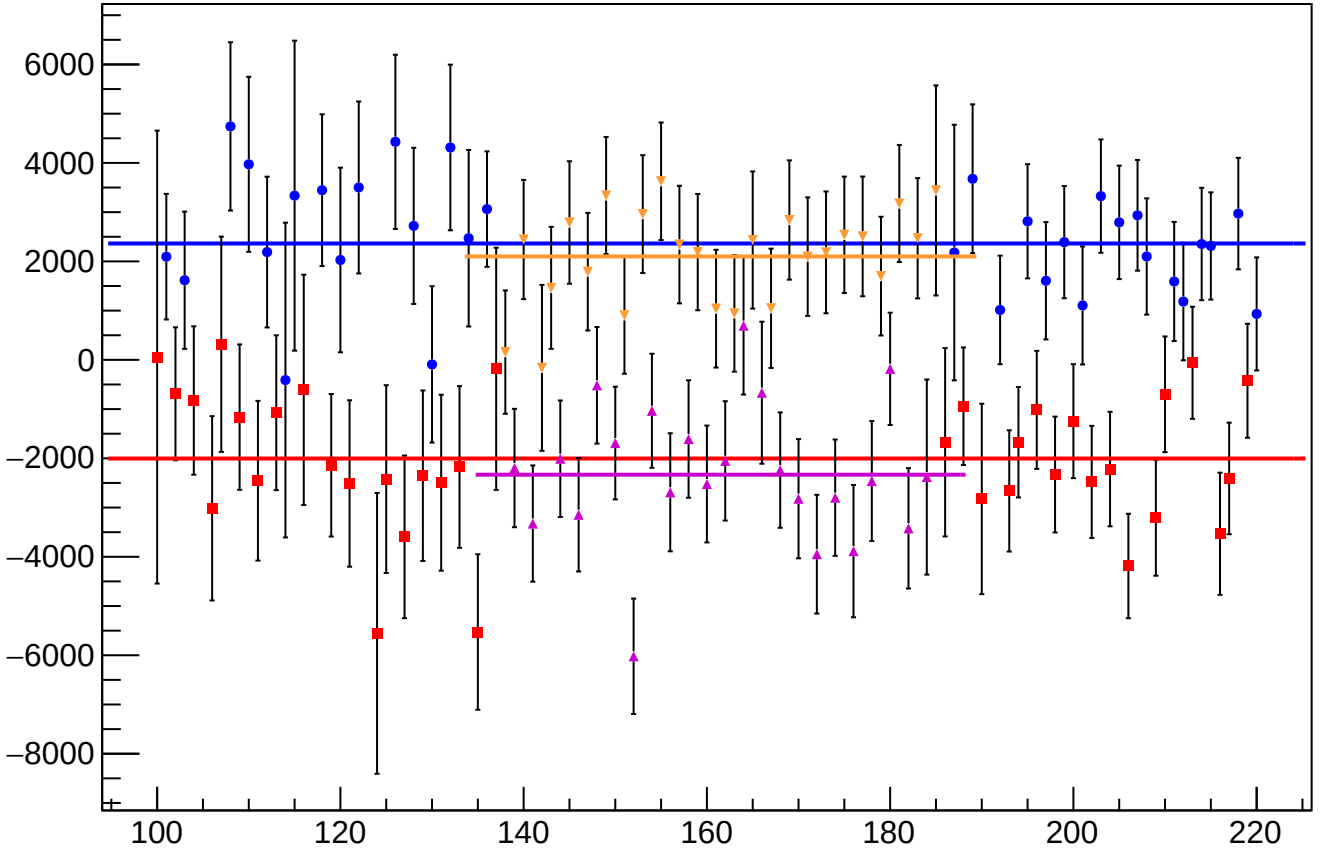
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 33.830+/-0.004 χ^2/NDF: 2528257.1/56

All: 33.937+/-0.003 χ^2/NDF: 5967018.5/115

- sign 34.046+/-0.004 χ^2/NDF: 3437351.3/58

reg_asym_usr_mean vs Slug



Right In: 2363.444+/-236.849 χ^2/NDF: 18.7/32

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2004.139+/-237.075 χ^2/NDF: 28.3/35

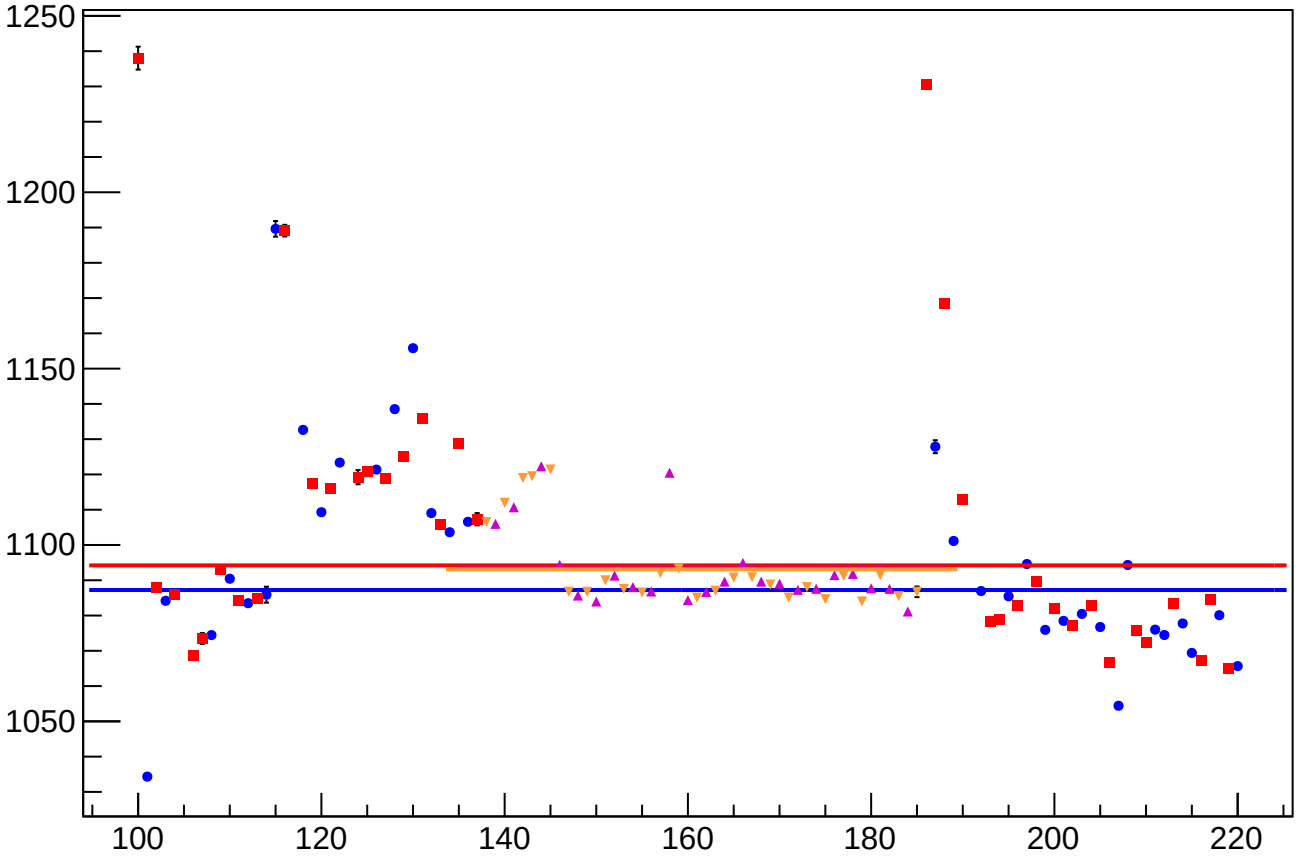
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2238.130+/-171.385 χ^2/NDF: 33.1/57

All: 70.576+/-122.004 χ^2/NDF: 416.1/116

- sign -2156.402+/-173.718 χ^2/NDF: 58.7/58

reg_asym_usr_rms vs Slug



Right In: 1087.235+/-0.167 χ^2/NDF: 21093.1/32

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1094.217+/-0.168 χ^2/NDF: 35683.0/35

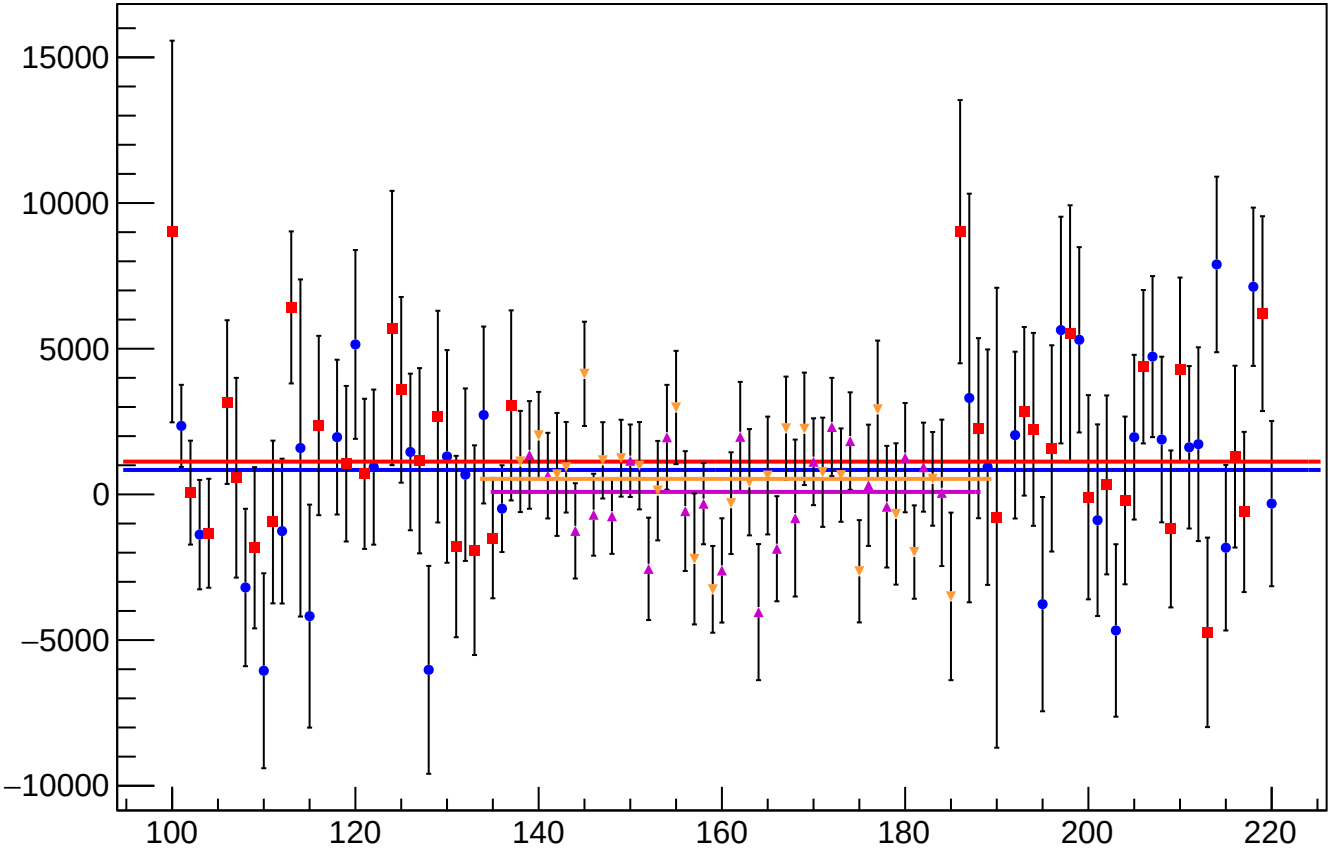
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1090.030+/-0.121 χ^2/NDF: 25661.0/57

All: 1091.895+/-0.086 χ^2/NDF: 65562.2/116

- sign 1093.810+/-0.123 χ^2/NDF: 39421.4/58

asym_usr_reg_correction_mean vs Slug



Right In: 839.455+/-478.946 χ^2/NDF: 41.8/32

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1125.201+/-494.723 χ^2/NDF: 29.7/35

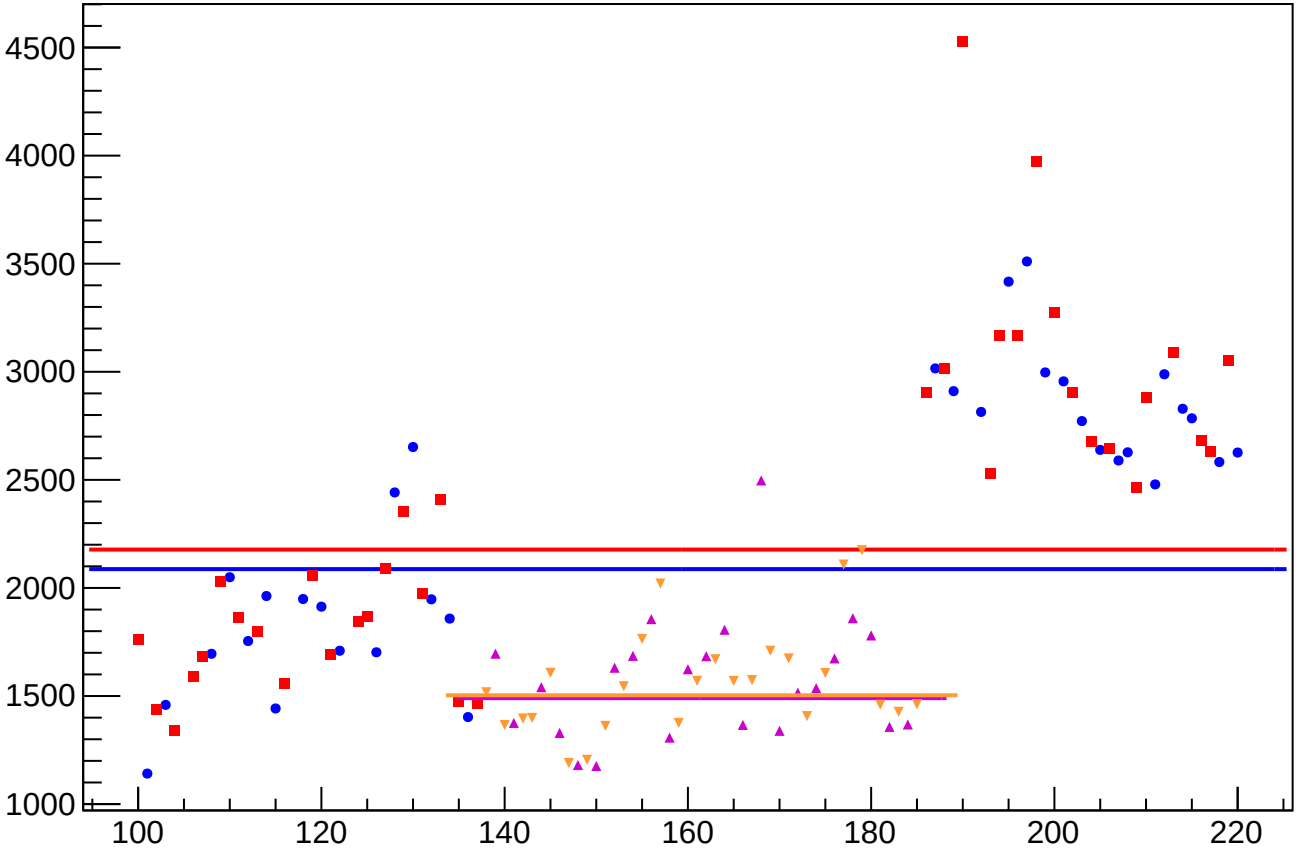
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 638.566+/-281.119 χ^2/NDF: 68.5/57

All: 540.351+/-201.120 χ^2/NDF: 119.4/116

- sign 437.374+/-287.853 χ^2/NDF: 50.7/58

asym_usr_reg_correction_rms vs Slug



Right In: 2087.091+/-0.339 χ^2/NDF: 3827390.1/32

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2177.518+/-0.350 χ^2/NDF: 3521168.6/35

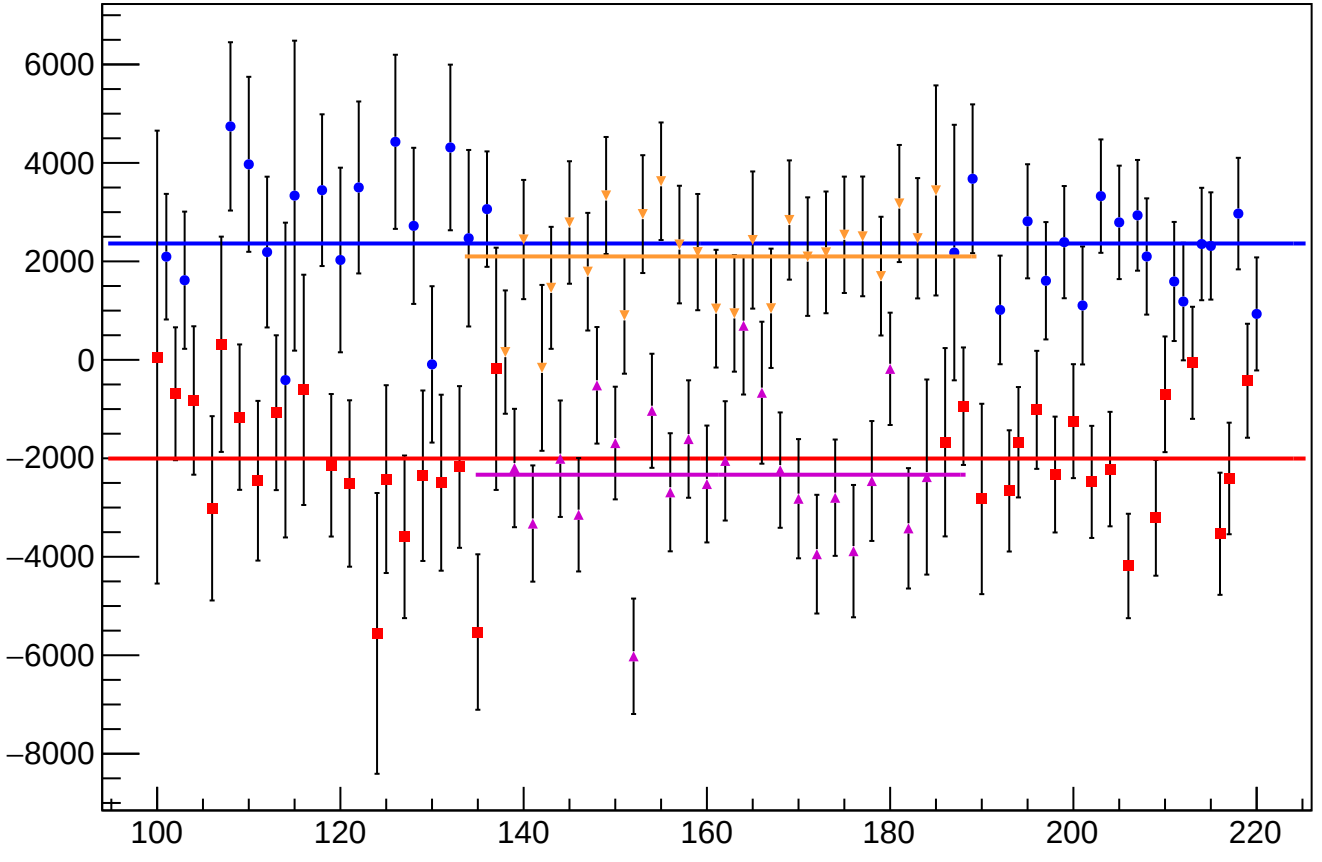
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1704.514+/-0.199 χ^2/NDF: 6573909.2/57

All: 1713.521+/-0.142 χ^2/NDF: 13620066.7/1

- sign 1722.965+/-0.204 χ^2/NDF: 7041951.7/58

cor_asym_usr_mean vs Slug



Right In: 2363.444+/-236.849 χ^2/NDF: 18.7/32

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2004.139+/-237.075 χ^2/NDF: 28.3/35

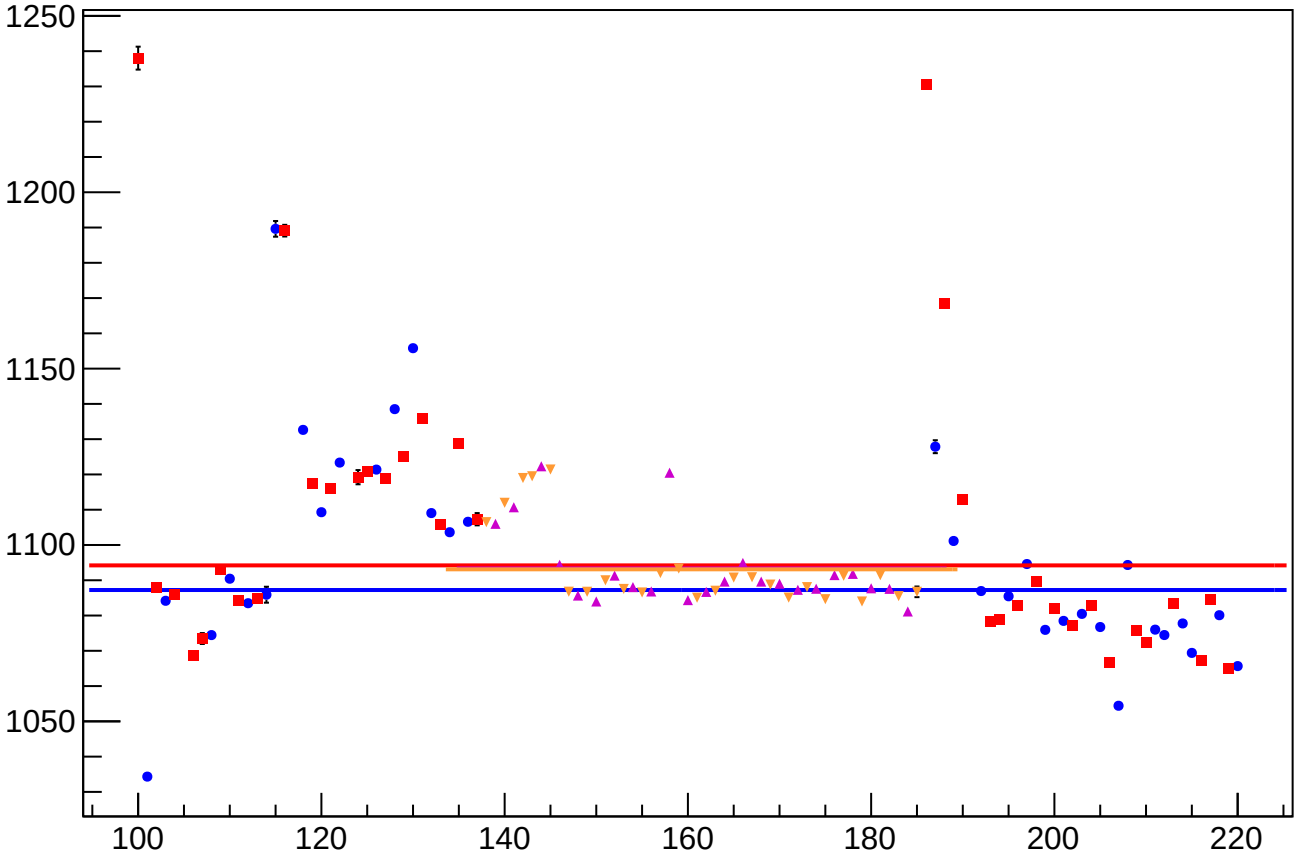
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2238.130+/-171.385 χ^2/NDF: 33.1/57

All: 70.576+/-122.004 χ^2/NDF: 416.1/116

- sign -2156.402+/-173.718 χ^2/NDF: 58.7/58

cor_asym_usr_rms vs Slug



Right In: 1087.235+/-0.167 χ^2/NDF: 21093.1/32

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1094.217+/-0.168 χ^2/NDF: 35683.0/35

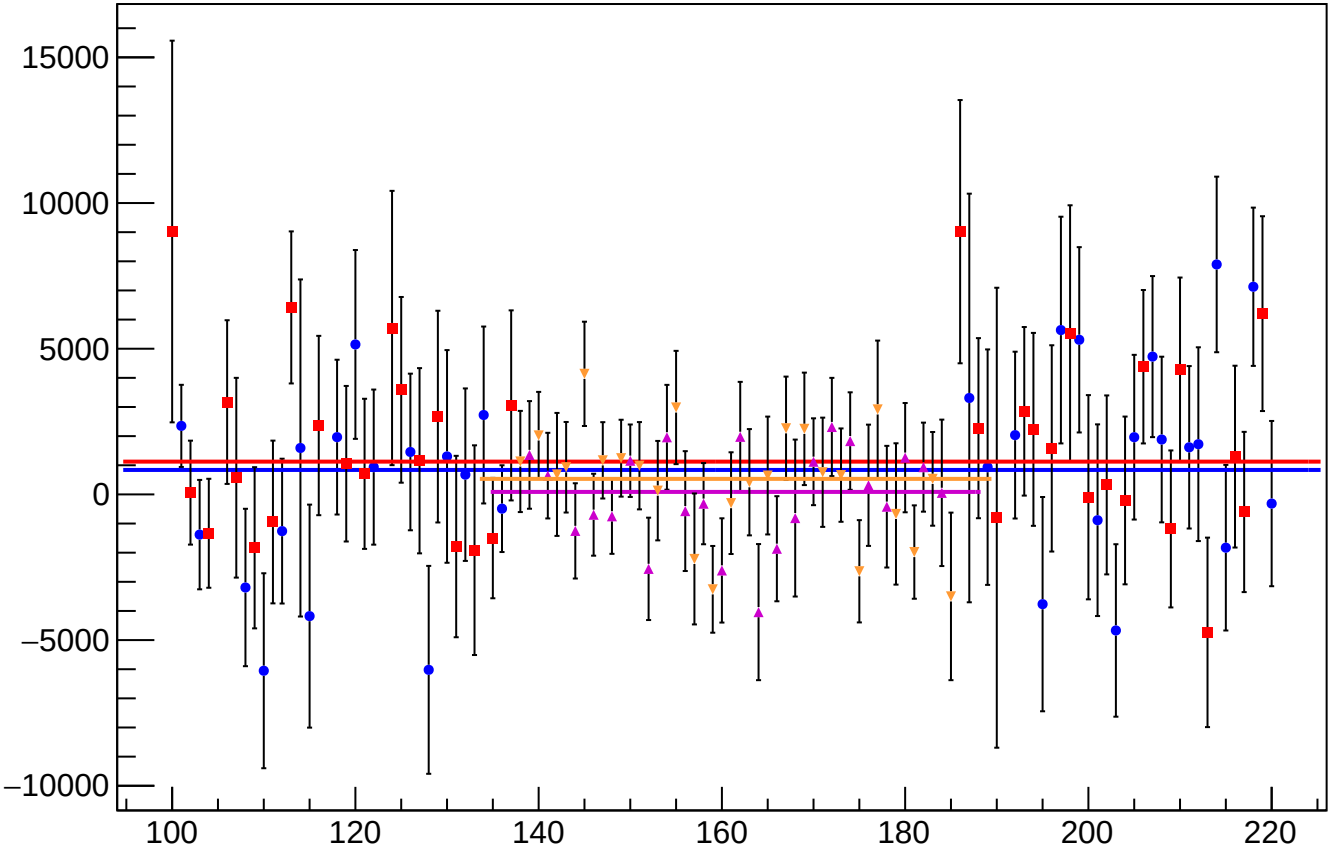
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1090.030+/-0.121 χ^2/NDF: 25661.0/57

All: 1091.895+/-0.086 χ^2/NDF: 65562.2/116

- sign 1093.810+/-0.123 χ^2/NDF: 39421.4/58

asym_usr_cor_correction_mean vs Slug



Right In: 839.455+/-478.946 χ^2/NDF: 41.8/32

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1125.201+/-494.723 χ^2/NDF: 29.7/35

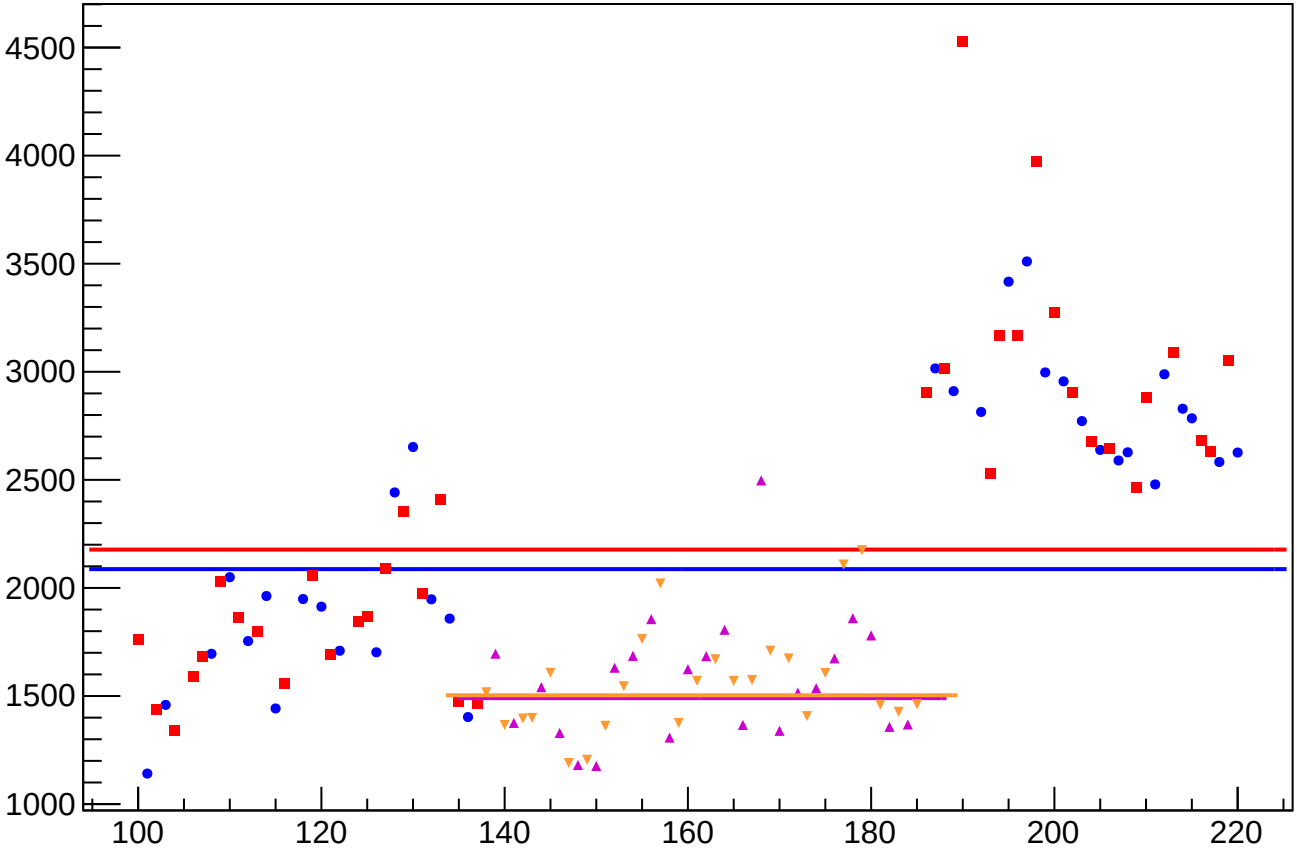
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 638.566+/-281.119 χ^2/NDF: 68.5/57

All: 540.351+/-201.120 χ^2/NDF: 119.4/116

- sign 437.374+/-287.853 χ^2/NDF: 50.7/58

asym_usr_cor_correction_rms vs Slug



Right In: 2087.091+/-0.339 χ^2/NDF: 3827390.1/32

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2177.518+/-0.350 χ^2/NDF: 3521168.6/35

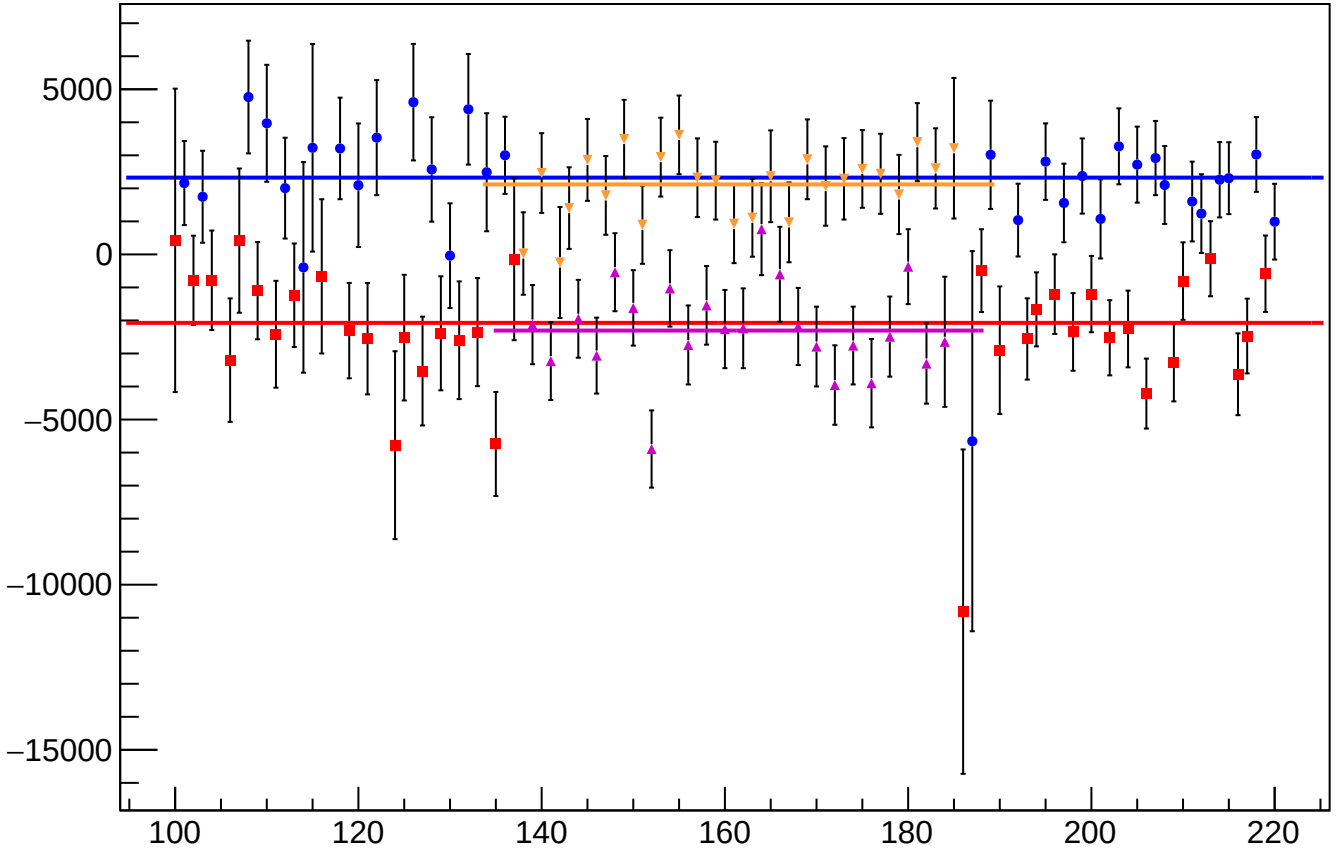
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1704.514+/-0.199 χ^2/NDF: 6573909.2/57

All: 1713.521+/-0.142 χ^2/NDF: 13620066.7/1

- sign 1722.965+/-0.204 χ^2/NDF: 7041951.7/58

overload_cor_asym_usr_mean vs Slug



Right In: 2325.094+/-237.690 χ^2/NDF: 19.8/32

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2072.523+/-238.752 χ^2/NDF: 32.7/35

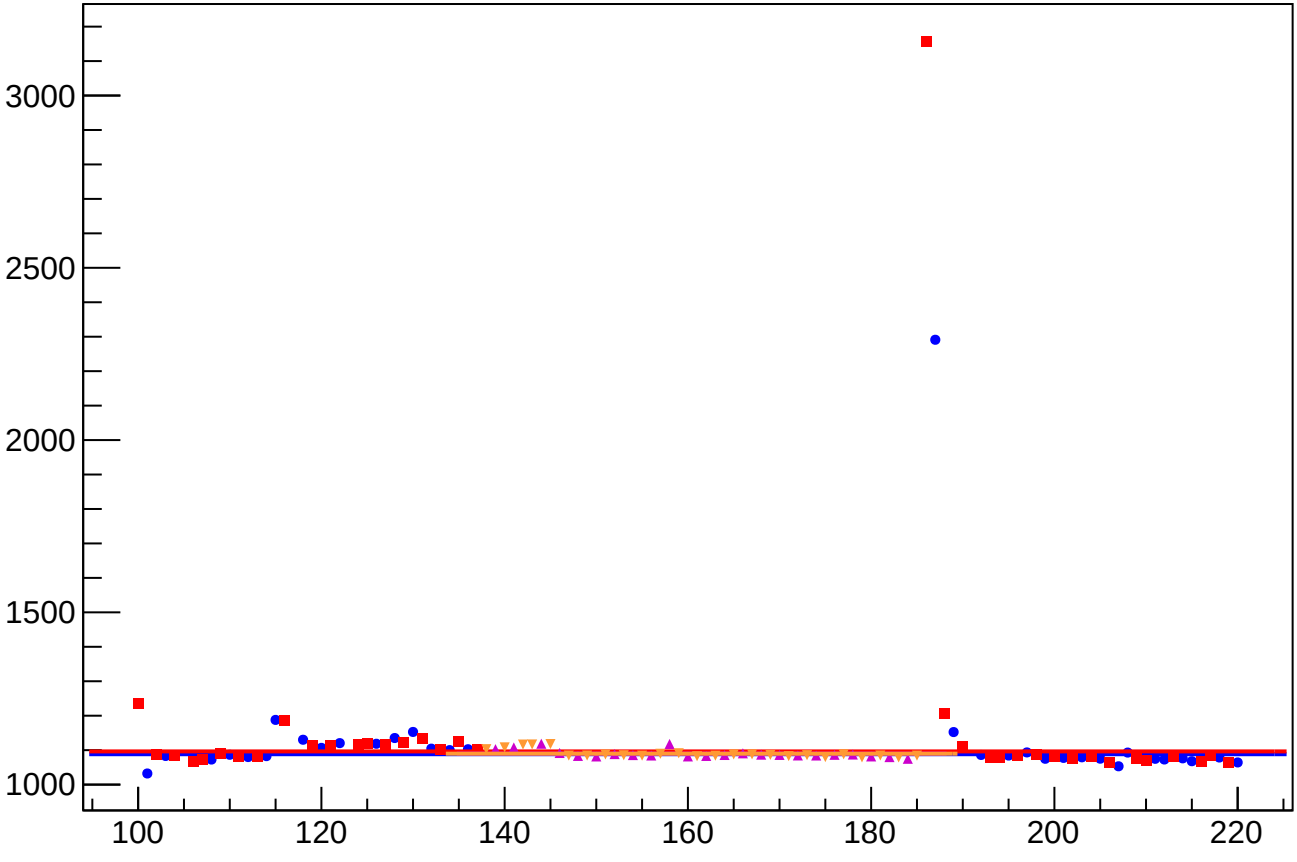
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2226.697+/-171.450 χ^2/NDF: 35.2/57

All: 56.683+/-122.168 χ^2/NDF: 422.3/116

- sign -2181.540+/-174.123 χ^2/NDF: 61.6/58

overload_cor_asym_usr_rms vs Slug



Right In: 1088.209+/-0.168 χ^2/NDF: 110583.3/32

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1096.373+/-0.169 χ^2/NDF: 385763.9/35

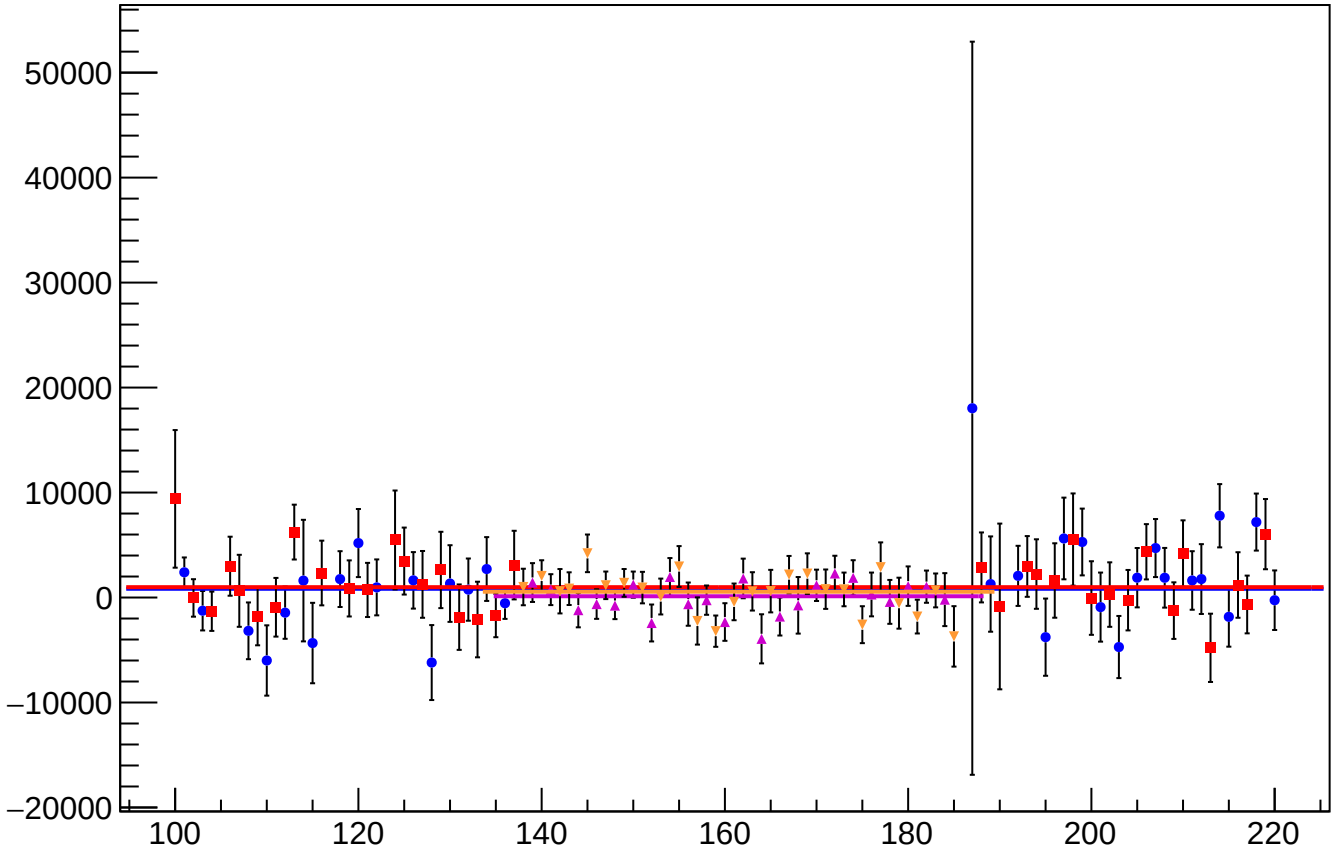
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1088.945+/-0.121 χ^2/NDF: 114680.9/57

All: 1091.125+/-0.086 χ^2/NDF: 505672.1/116

- sign 1093.373+/-0.123 χ^2/NDF: 390334.5/58

asym_usr_overload_cor_correction_mean vs Slug



Right In: 833.723+/-481.127 χ^2/NDF: 42.2/32

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 985.595+/-498.963 χ^2/NDF: 26.7/34

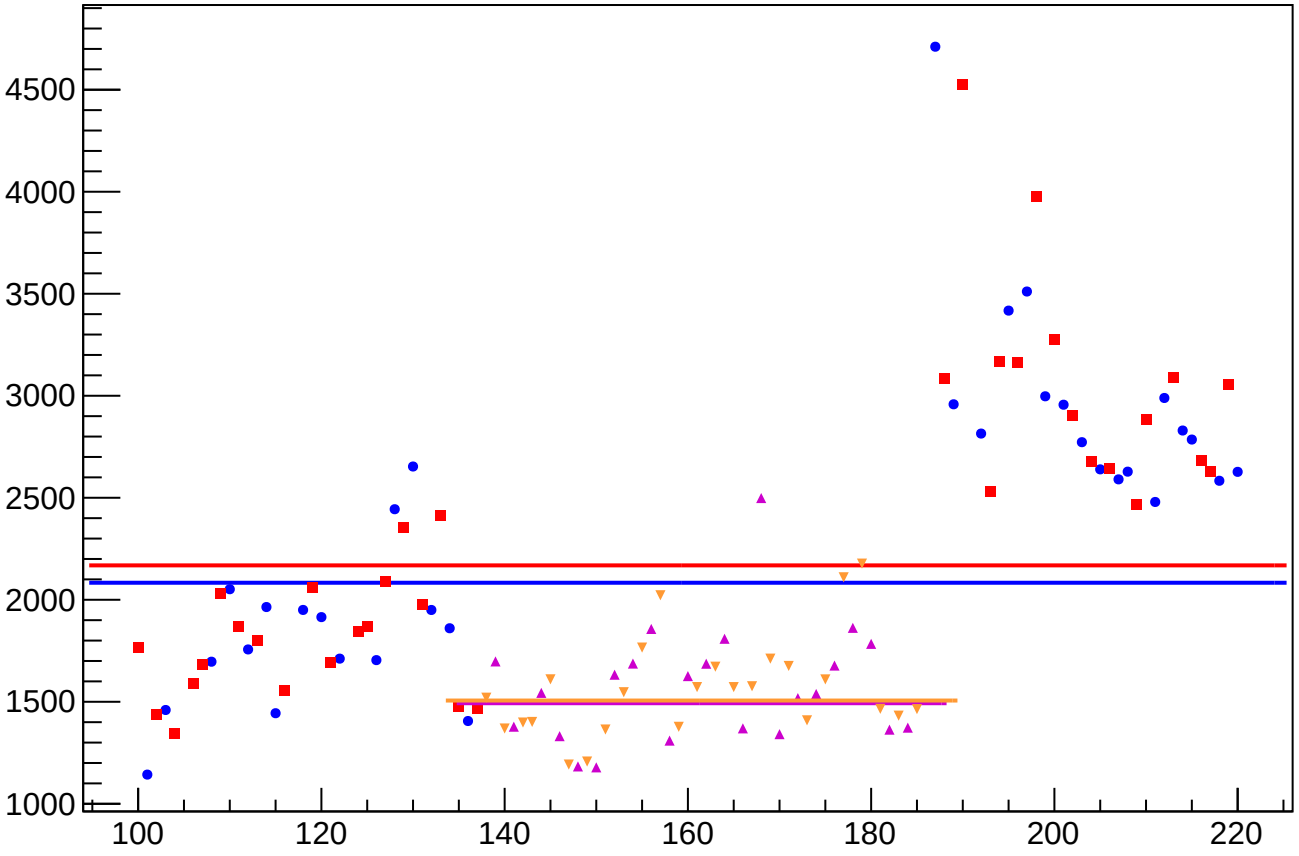
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 649.851+/-281.872 χ^2/NDF: 68.5/57

All: 533.582+/-201.790 χ^2/NDF: 114.7/115

- sign 411.349+/-289.011 χ^2/NDF: 45.8/57

asym_usr_overload_cor_correction_rms vs Slug



Right In: 2083.470+/-0.340 χ^2/NDF: 3780275.2/32

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

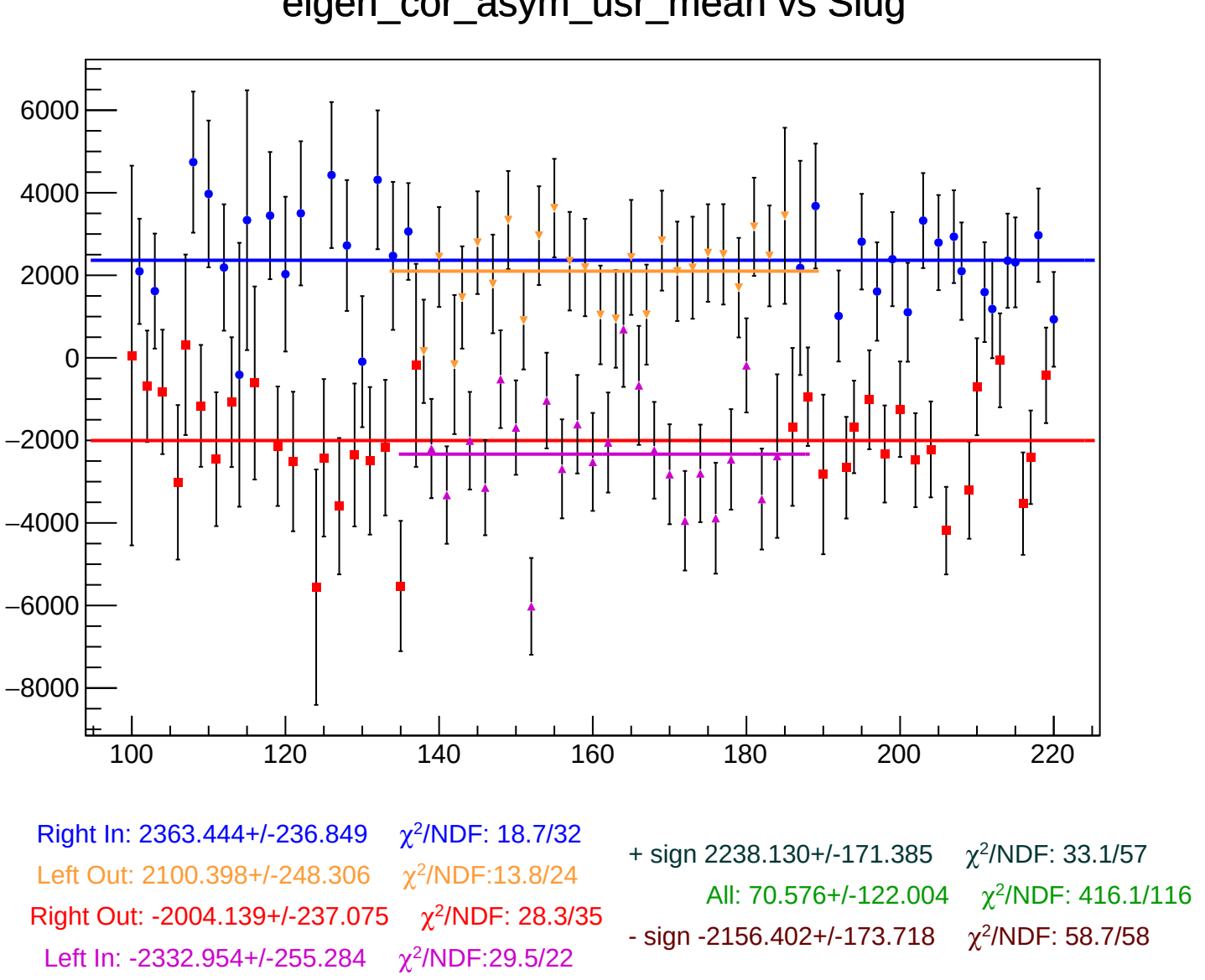
Right Out: 2168.600+/-0.353 χ^2/NDF: 3457544.4/34

Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

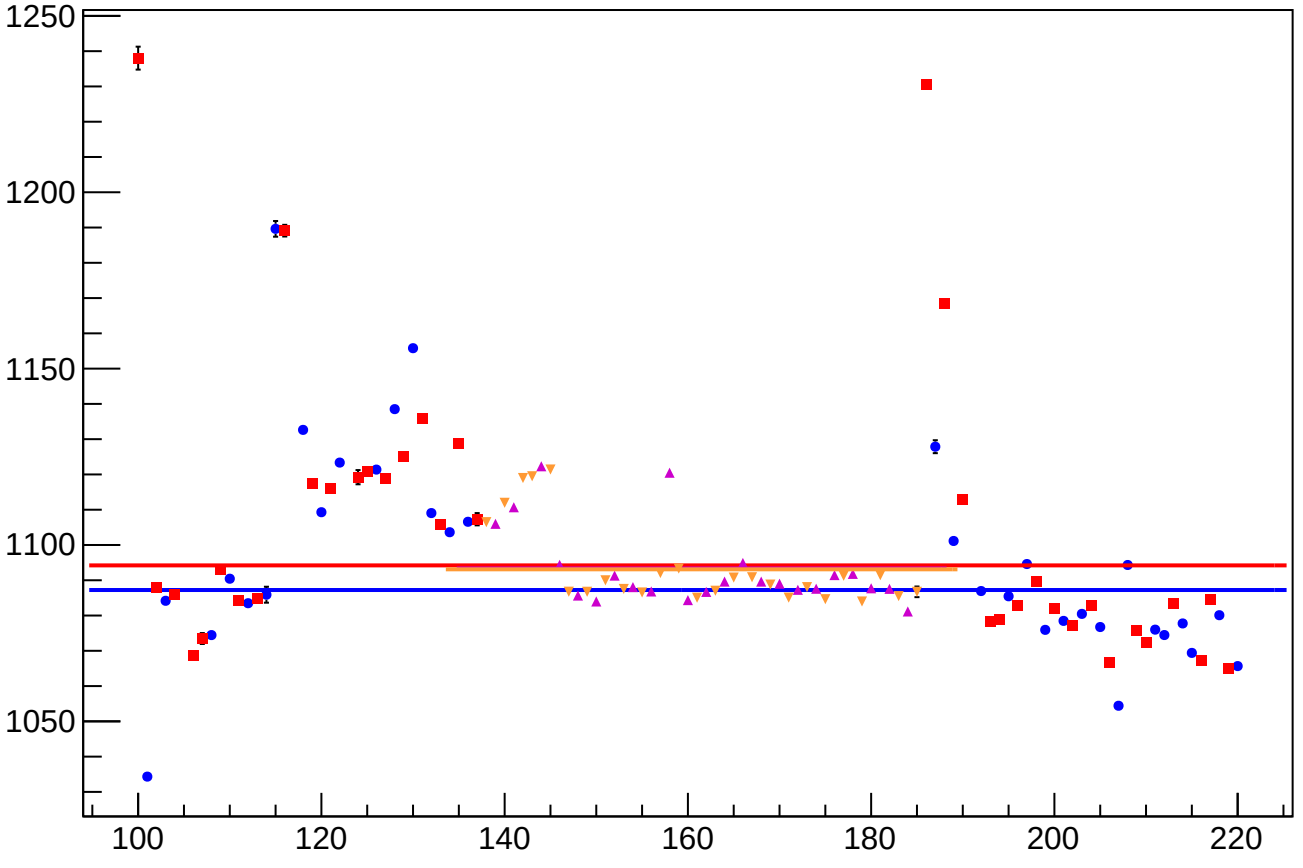
+ sign 1704.272+/-0.199 χ^2/NDF: 6468272.9/57

All: 1711.767+/-0.143 χ^2/NDF: 13329756.5/1

- sign 1719.647+/-0.204 χ^2/NDF: 6858583.0/57


eigen_cor_asym_usr_mean vs Slug
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: 2363.444+/-236.849 χ²/NDF: 18.7/32
Left Out: 2100.398+/-248.306 χ²/NDF:13.8/24
Right Out: -2004.139+/-237.075 χ²/NDF: 28.3/35
Left In: -2332.954+/-255.284 χ²/NDF:29.5/22
+ sign 2238.130+/-171.385 χ²/NDF: 33.1/57
All: 70.576+/-122.004 χ²/NDF: 416.1/116
- sign -2156.402+/-173.718 χ²/NDF: 58.7/58

eigen_cor_asym_usr_rms vs Slug



Right In: 1087.235+/-0.167 χ^2/NDF: 21093.1/32

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

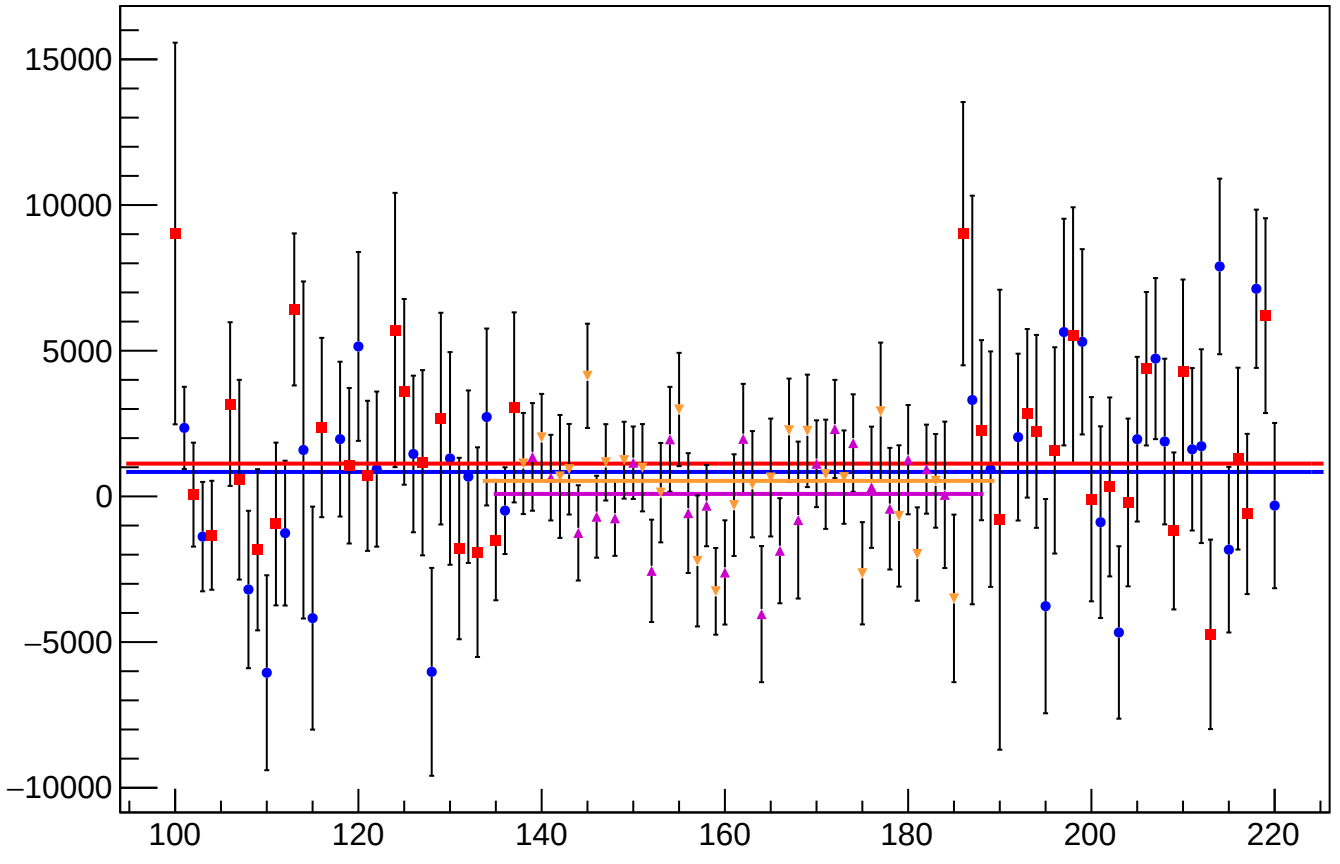
Right Out: 1094.217+/-0.168 χ^2/NDF: 35683.0/35

Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1090.030+/-0.121 χ^2/NDF: 25661.0/57

All: 1091.895+/-0.086 χ^2/NDF: 65562.2/116

- sign 1093.810+/-0.123 χ^2/NDF: 39421.4/58



Right In: 839.455+/-478.946 χ^2/NDF: 41.8/32

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1125.201+/-494.723 χ^2/NDF: 29.7/35

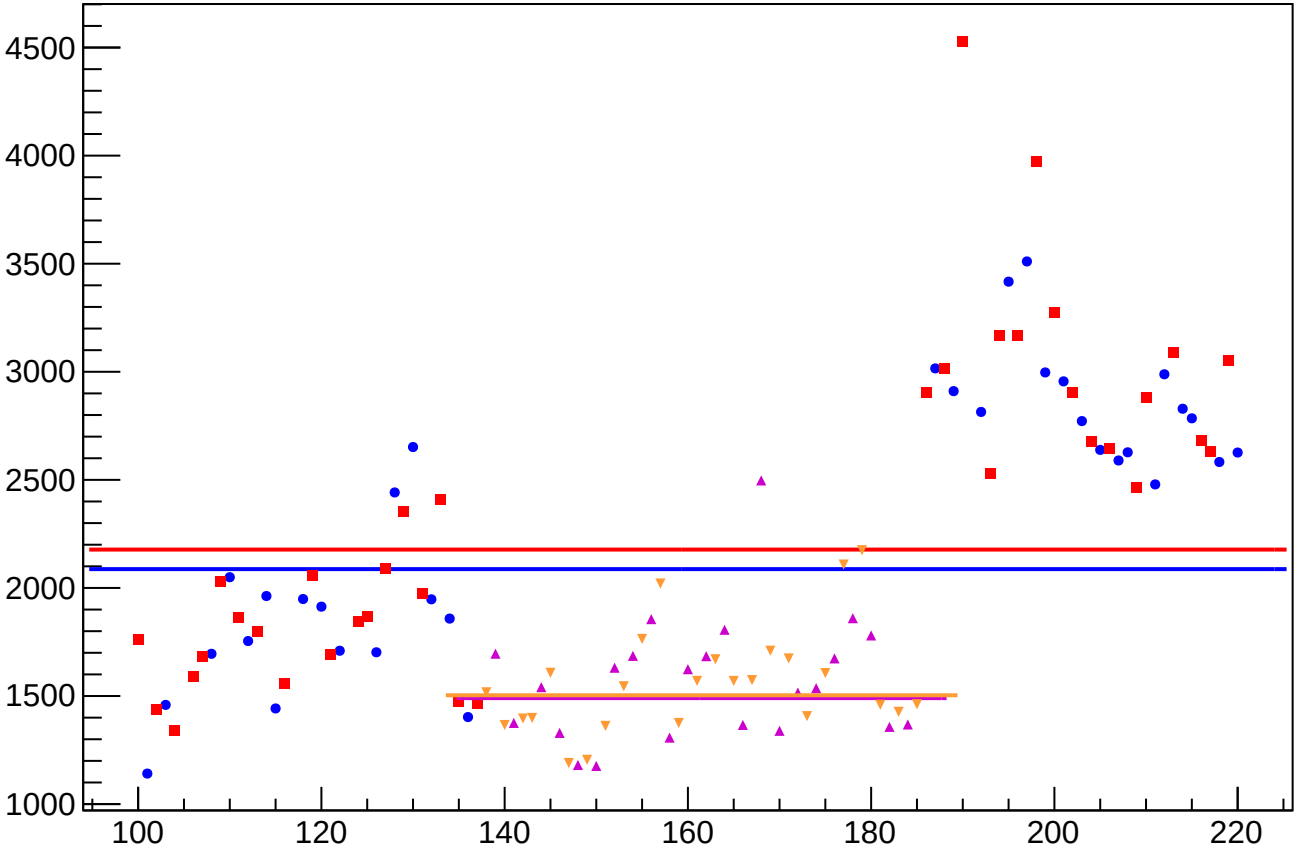
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 638.566+/-281.119 χ^2/NDF: 68.5/57

All: 540.351+/-201.120 χ^2/NDF: 119.4/116

- sign 437.374+/-287.853 χ^2/NDF: 50.7/58

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 2087.091+/-0.339 χ^2/NDF: 3827390.1/32

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2177.518+/-0.350 χ^2/NDF: 3521168.6/35

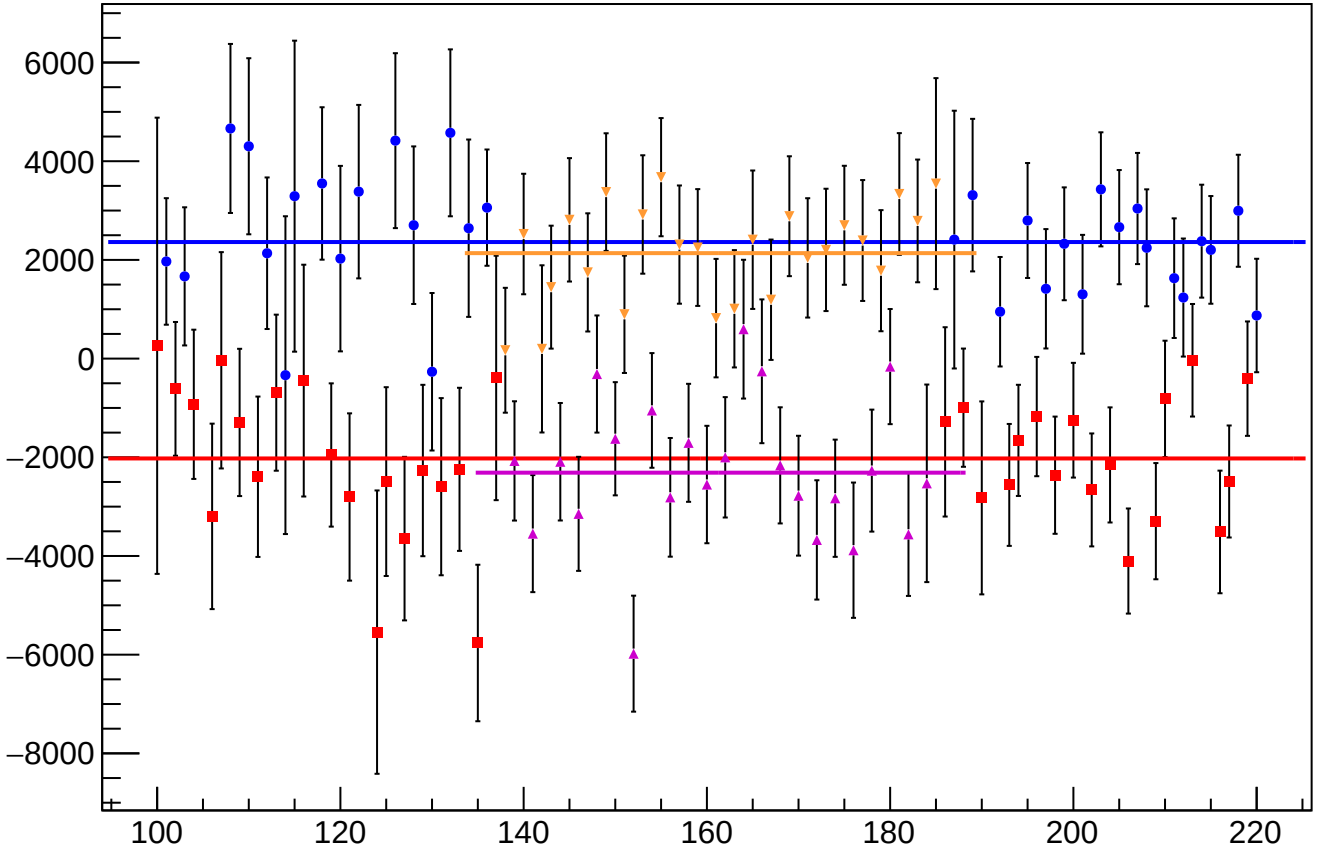
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1704.514+/-0.199 χ^2/NDF: 6573909.2/57

All: 1713.521+/-0.142 χ^2/NDF: 13620066.7/1

- sign 1722.965+/-0.204 χ^2/NDF: 7041951.7/58

dit_asym_usr_mean vs Slug



Right In: 2362.097+/-237.908 χ^2/NDF: 19.4/32

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -2023.612+/-238.063 χ^2/NDF: 28.7/35

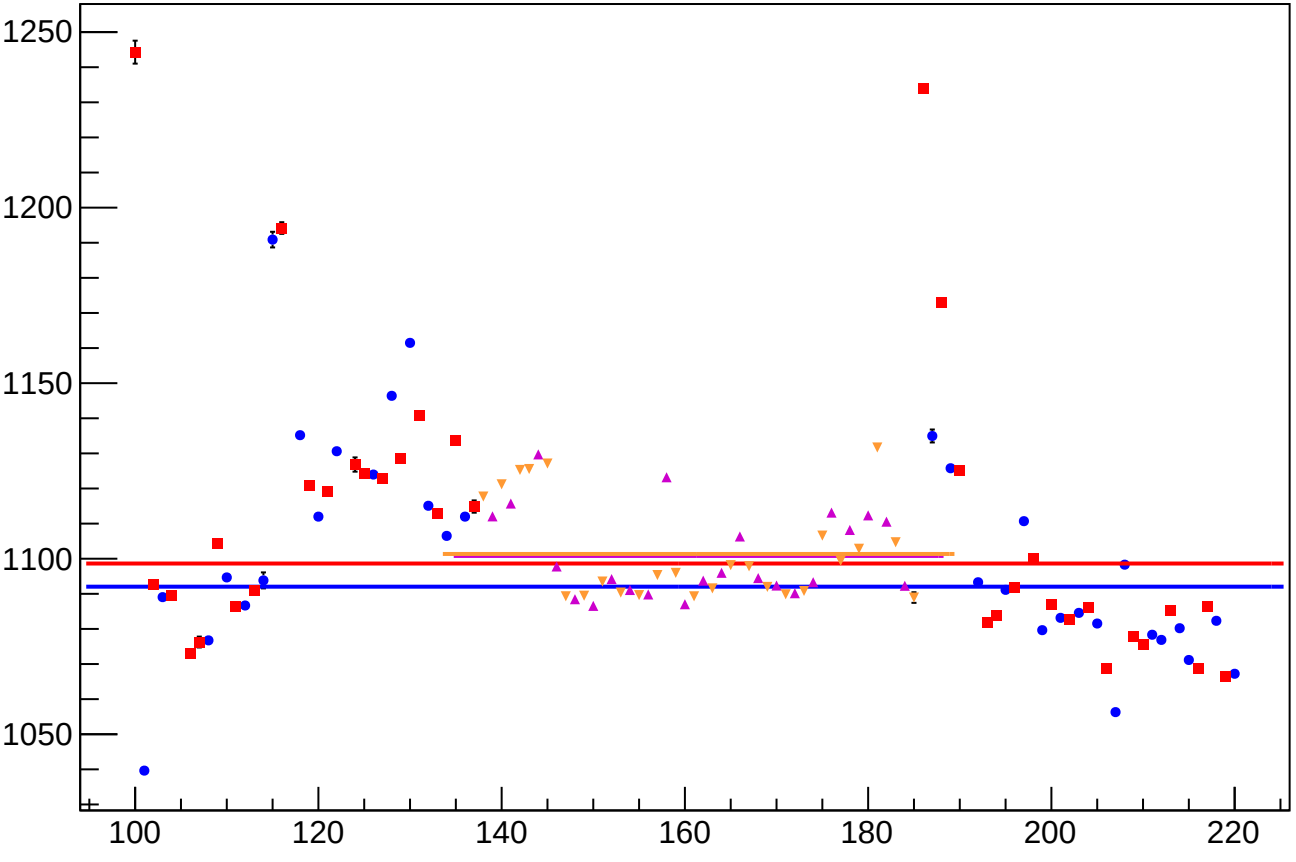
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2255.298+/-172.407 χ^2/NDF: 33.7/57

All: 77.946+/-122.698 χ^2/NDF: 416.2/116

- sign -2156.661+/-174.659 χ^2/NDF: 59.3/58

dit_asym_usr_rms vs Slug



Right In: 1092.034+/-0.168 χ^2/NDF: 23318.9/32

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1098.630+/-0.168 χ^2/NDF: 36614.2/35

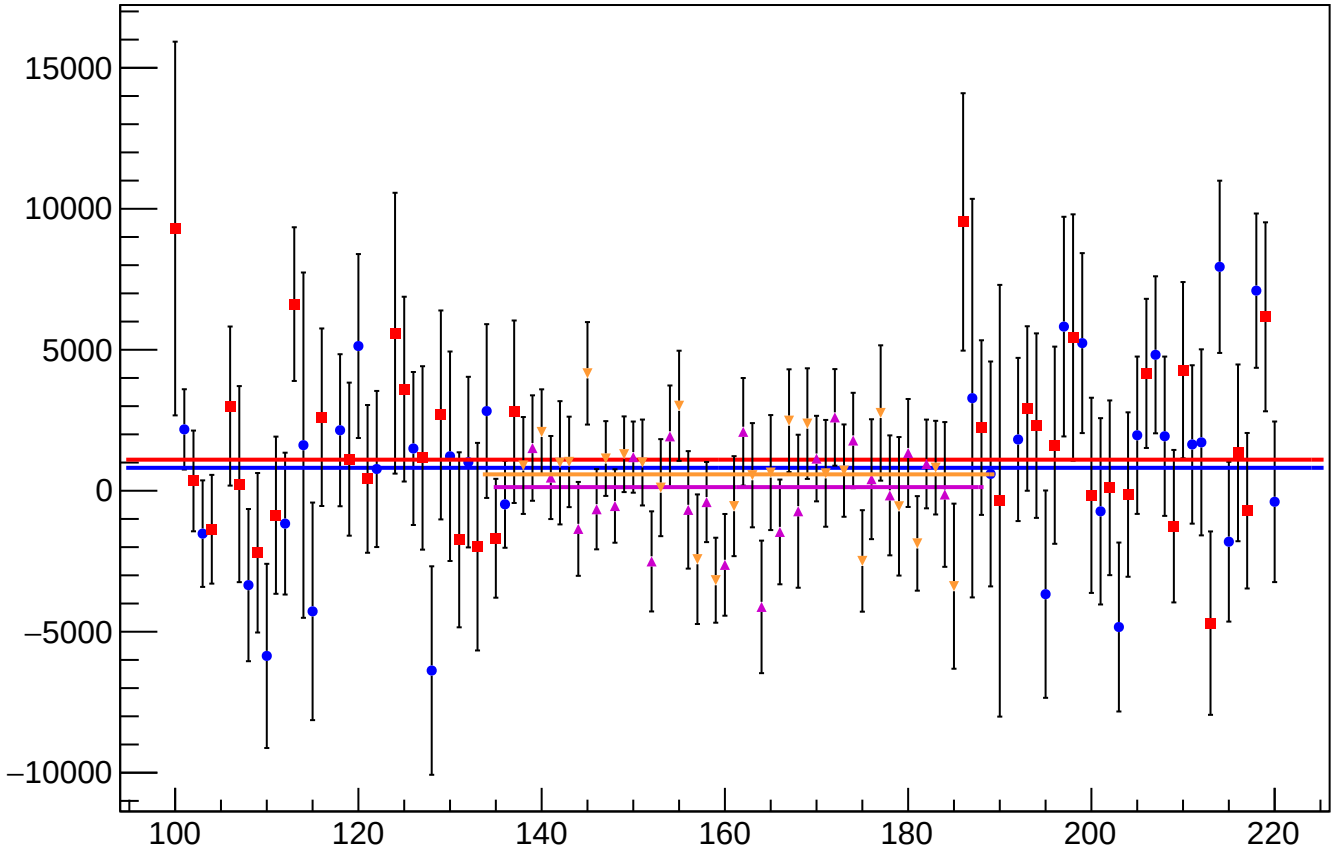
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1096.459+/-0.122 χ^2/NDF: 30726.7/57

All: 1098.023+/-0.087 χ^2/NDF: 72392.3/116

- sign 1099.629+/-0.124 χ^2/NDF: 41332.1/58

asym_usr_dit_correction_mean vs Slug



Right In: 813.251+/-484.031 χ^2/NDF: 41.7/32

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1102.281+/-499.903 χ^2/NDF: 29.8/35

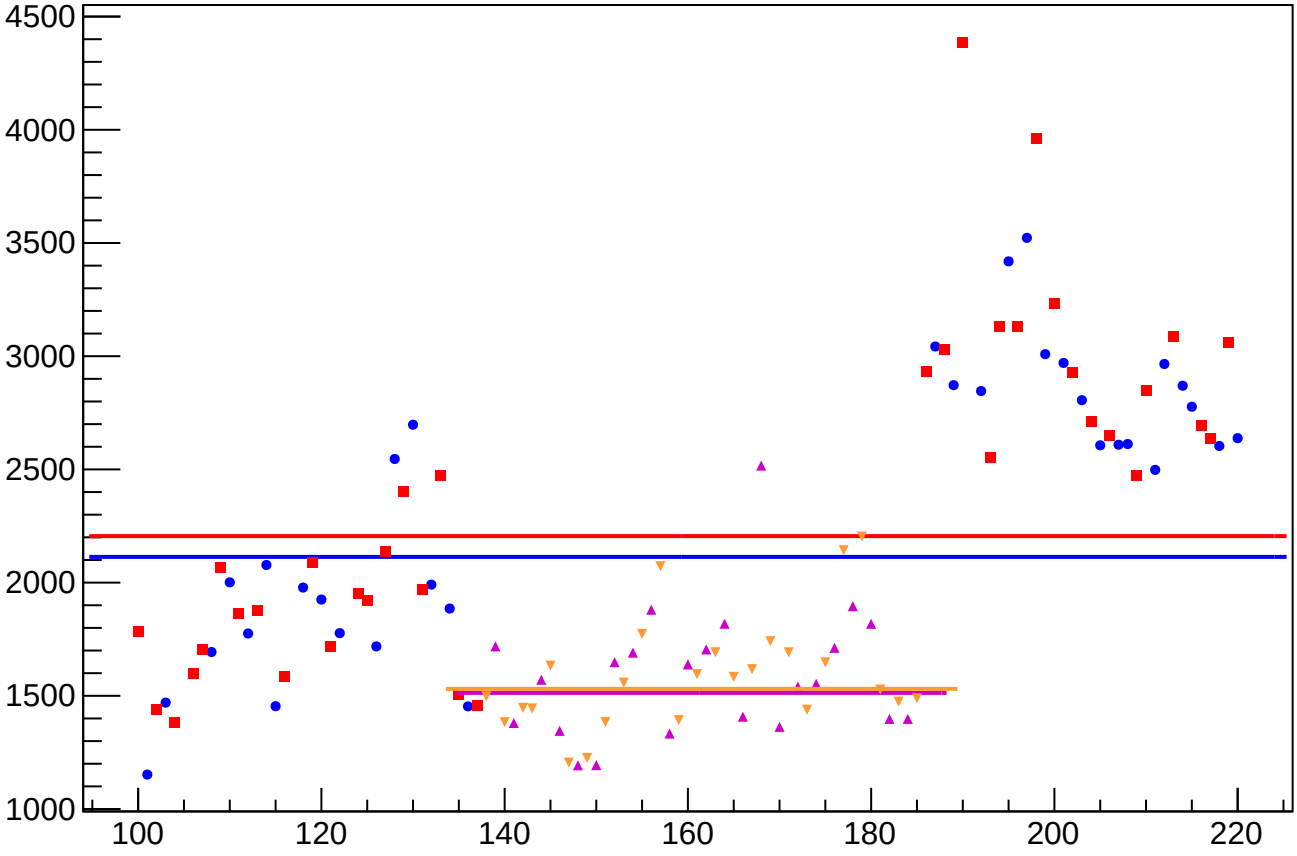
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 662.032+/-285.415 χ^2/NDF: 67.3/57

All: 563.284+/-203.993 χ^2/NDF: 117.7/116

- sign 460.162+/-291.667 χ^2/NDF: 50.2/58

asym_usr_dit_correction_rms vs Slug



Right In: 2113.658+/-0.342 χ^2/NDF: 3701353.7/32

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

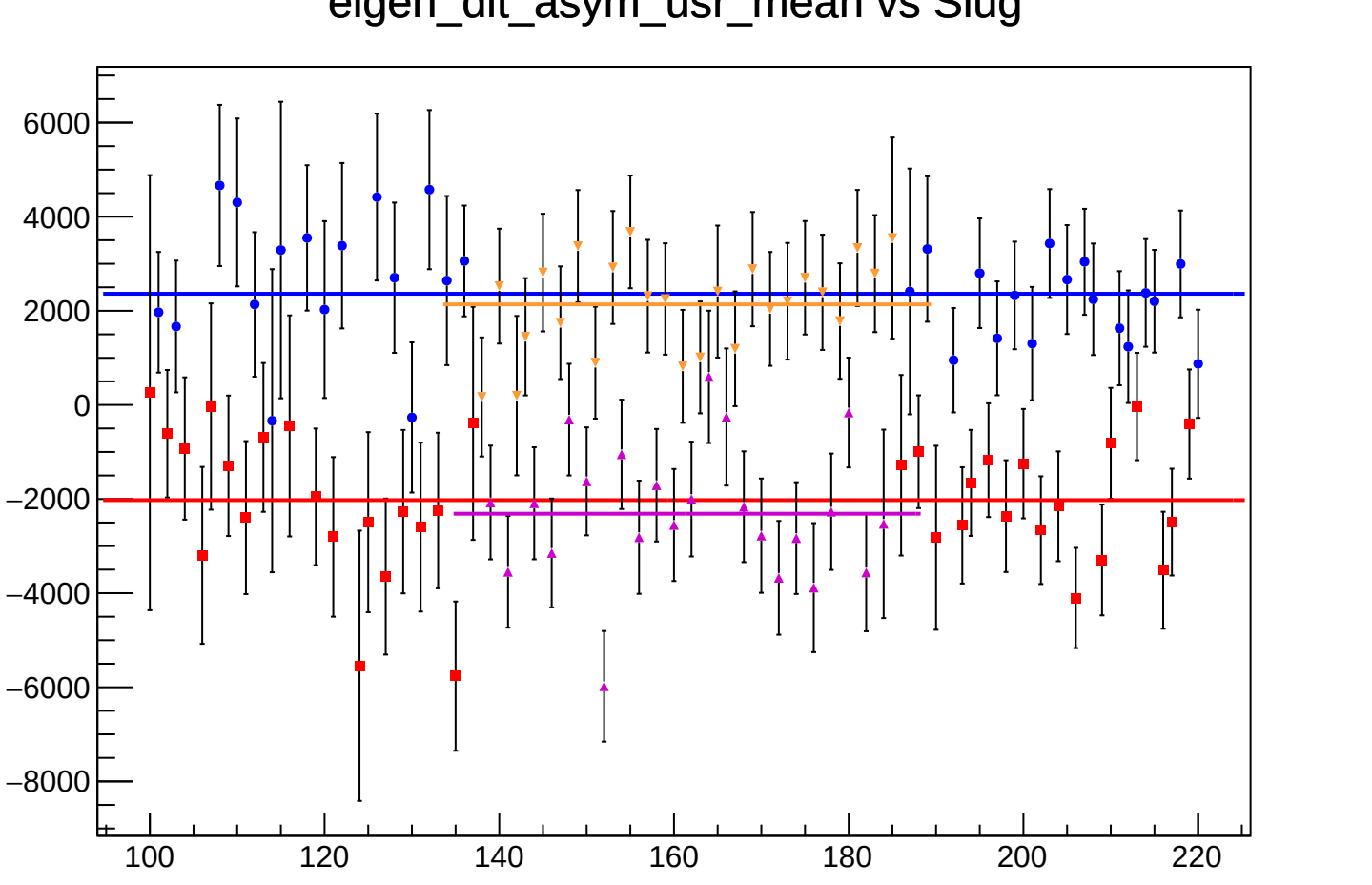
Right Out: 2205.355+/-0.353 χ^2/NDF: 3353531.8/35

Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1733.437+/-0.202 χ^2/NDF: 6388934.3/57

All: 1740.878+/-0.144 χ^2/NDF: 13233101.9/1

- sign 1748.650+/-0.206 χ^2/NDF: 6841388.2/58



Right In: 2362.097+/-237.908 χ^2/NDF: 19.4/32

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -2023.617+/-238.063 χ^2/NDF: 28.7/35

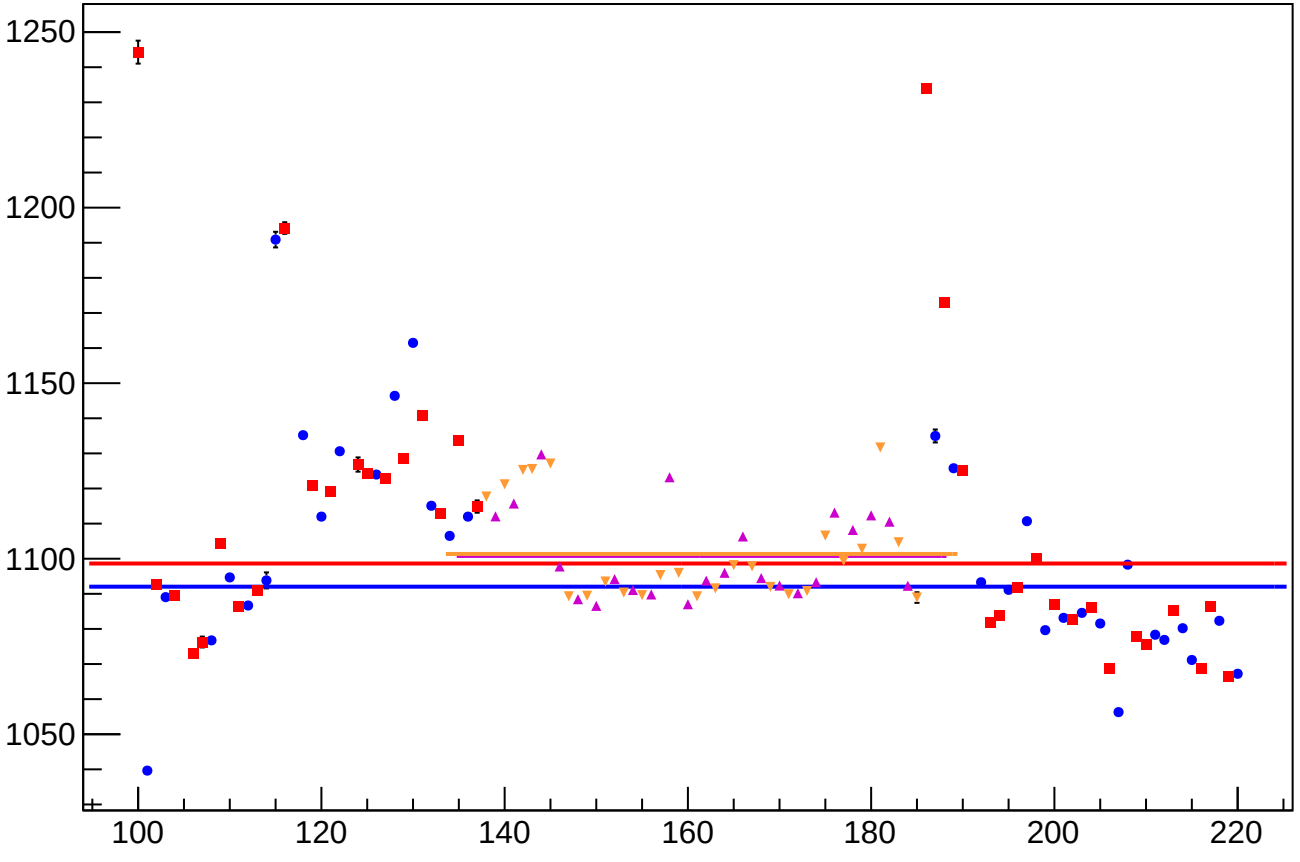
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2255.298+/-172.407 χ^2/NDF: 33.7/57

All: 77.944+/-122.698 χ^2/NDF: 416.2/116

- sign -2156.663+/-174.659 χ^2/NDF: 59.3/58

eigen_dit_asym_usr_rms vs Slug



Right In: 1092.034+/-0.168 χ^2/NDF: 23318.7/32

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1098.630+/-0.168 χ^2/NDF: 36614.1/35

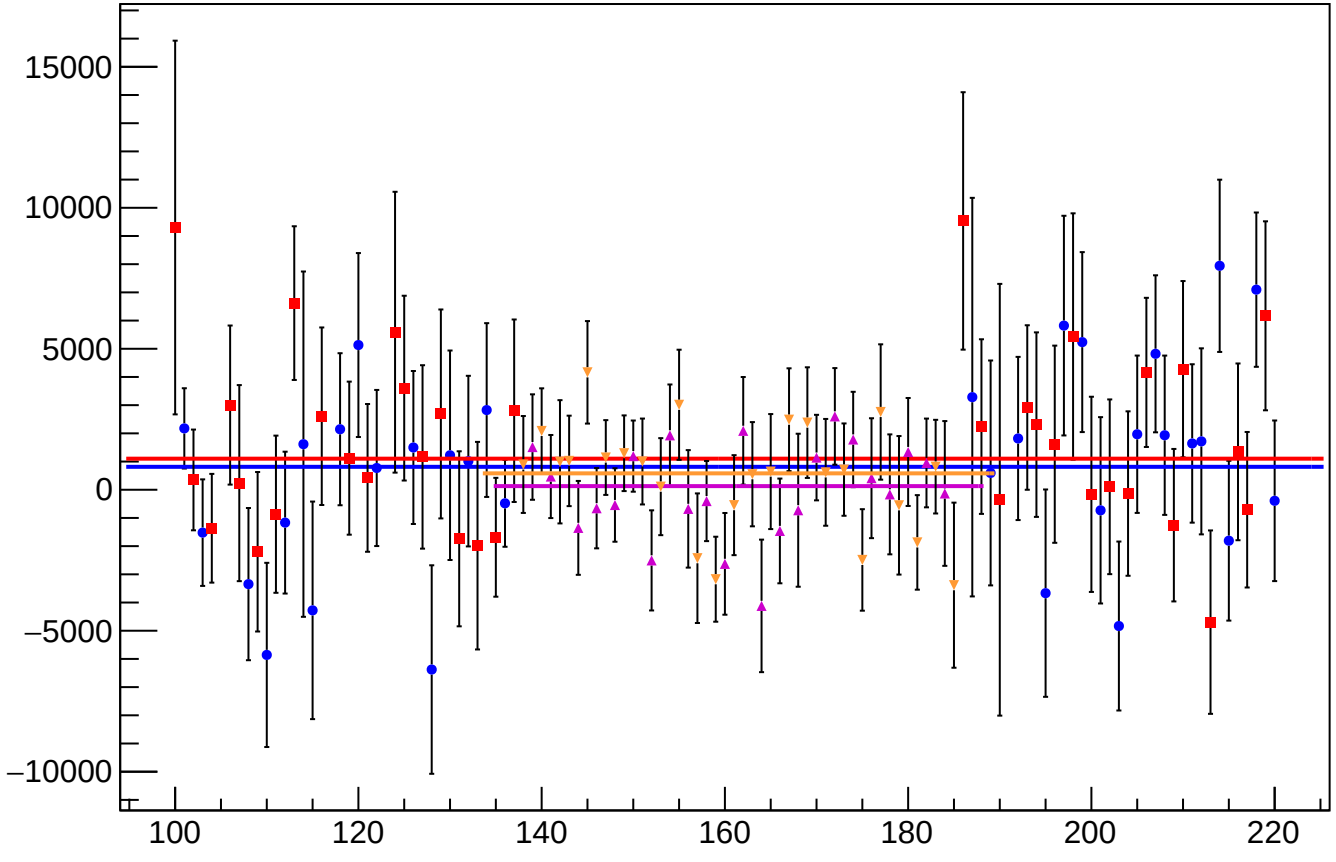
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1096.459+/-0.122 χ^2/NDF: 30726.5/57

All: 1098.023+/-0.087 χ^2/NDF: 72392.0/116

- sign 1099.628+/-0.124 χ^2/NDF: 41332.0/58

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 813.246+/-484.031 χ^2/NDF: 41.7/32

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1102.280+/-499.903 χ^2/NDF: 29.8/35

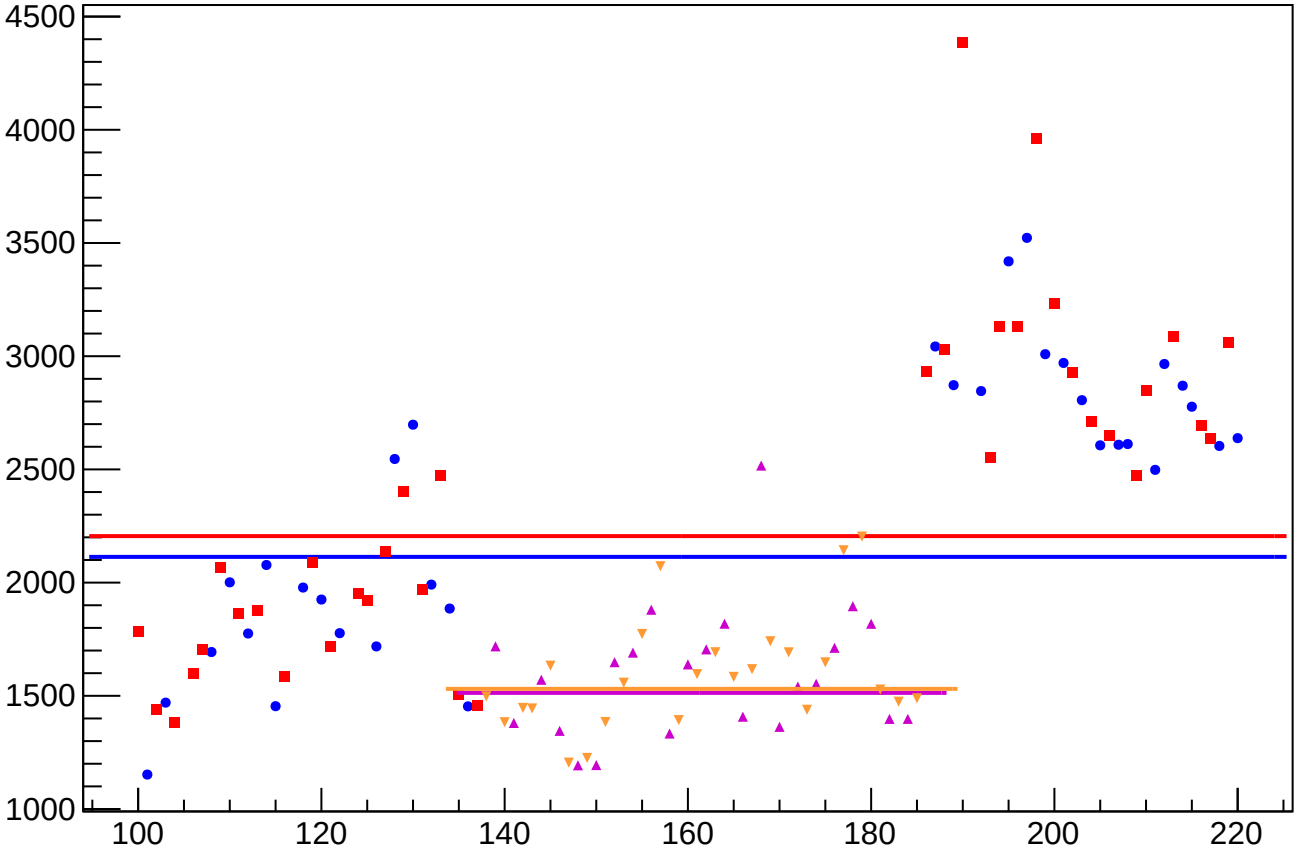
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

\+ sign 662.030+/-285.415 χ^2/NDF: 67.3/57

All: 563.284+/-203.993 χ^2/NDF: 117.7/116

\- sign 460.164+/-291.667 χ^2/NDF: 50.2/58

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 2113.657+/-0.342 χ^2/NDF: 3701369.1/32

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

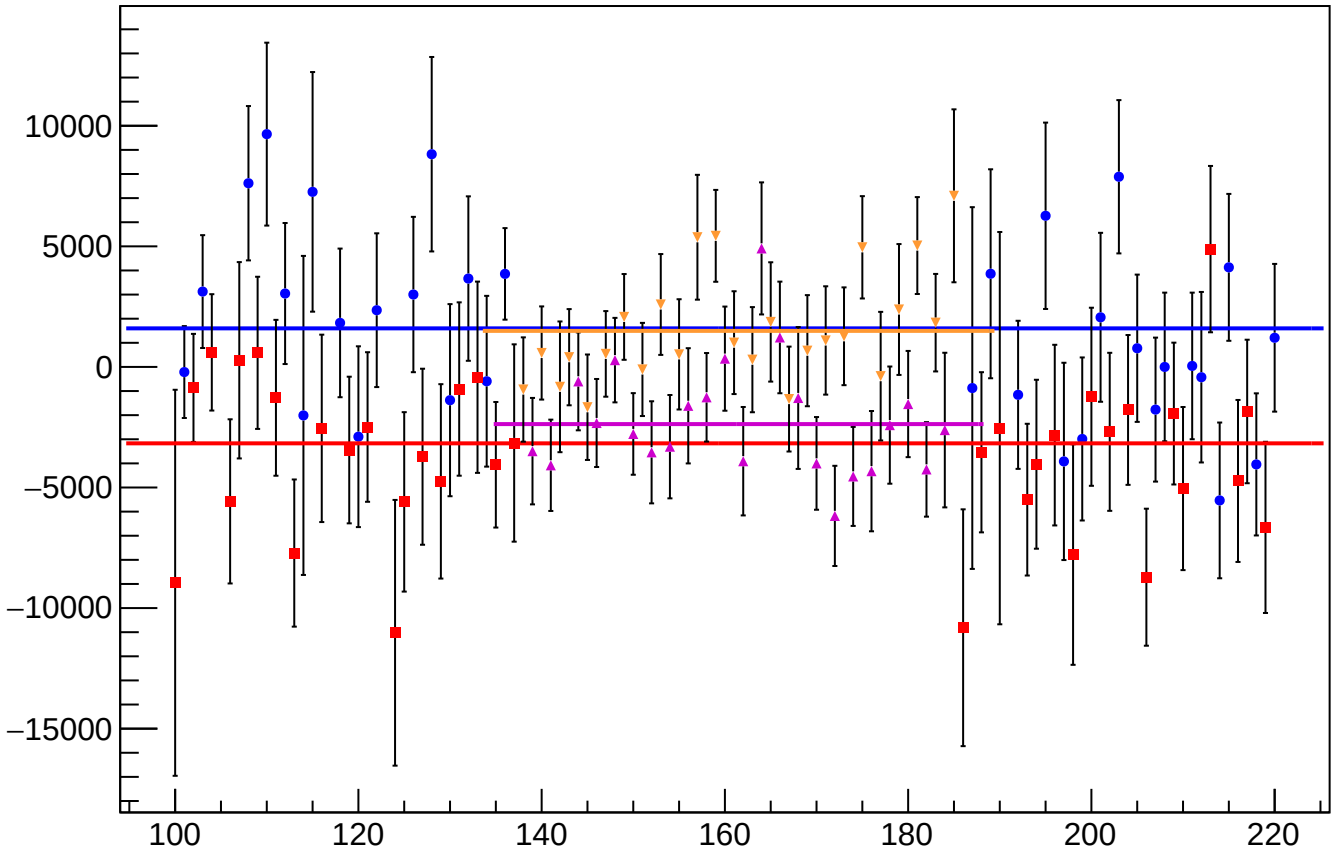
Right Out: 2205.354+/-0.353 χ^2/NDF: 3353532.9/35

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

+ sign 1733.440+/-0.202 χ^2/NDF: 6388918.3/57

All: 1740.881+/-0.144 χ^2/NDF: 13233054.0/1

- sign 1748.653+/-0.206 χ^2/NDF: 6841356.3/58



Right In: 1599.043+/-554.286 χ^2/NDF: 40.5/32

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3168.759+/-566.466 χ^2/NDF: 28.6/35

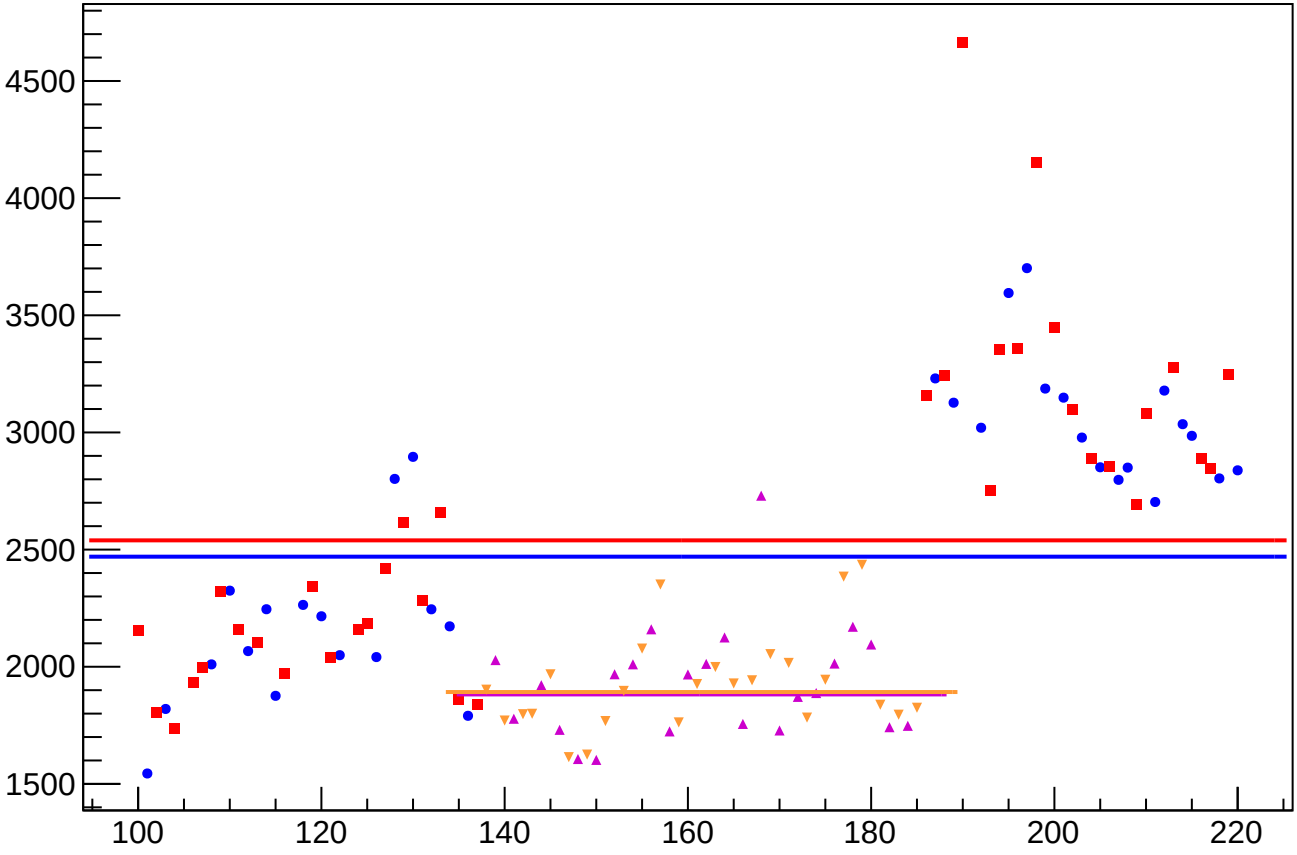
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1534.466+/-341.321 χ^2/NDF: 64.3/57

All: -523.100+/-243.999 χ^2/NDF: 192.2/116

- sign -2673.515+/-348.937 χ^2/NDF: 53.6/58

asym_usr_rms vs Slug



Right In: 2469.814+/-0.392 χ^2/NDF: 2191822.0/32

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

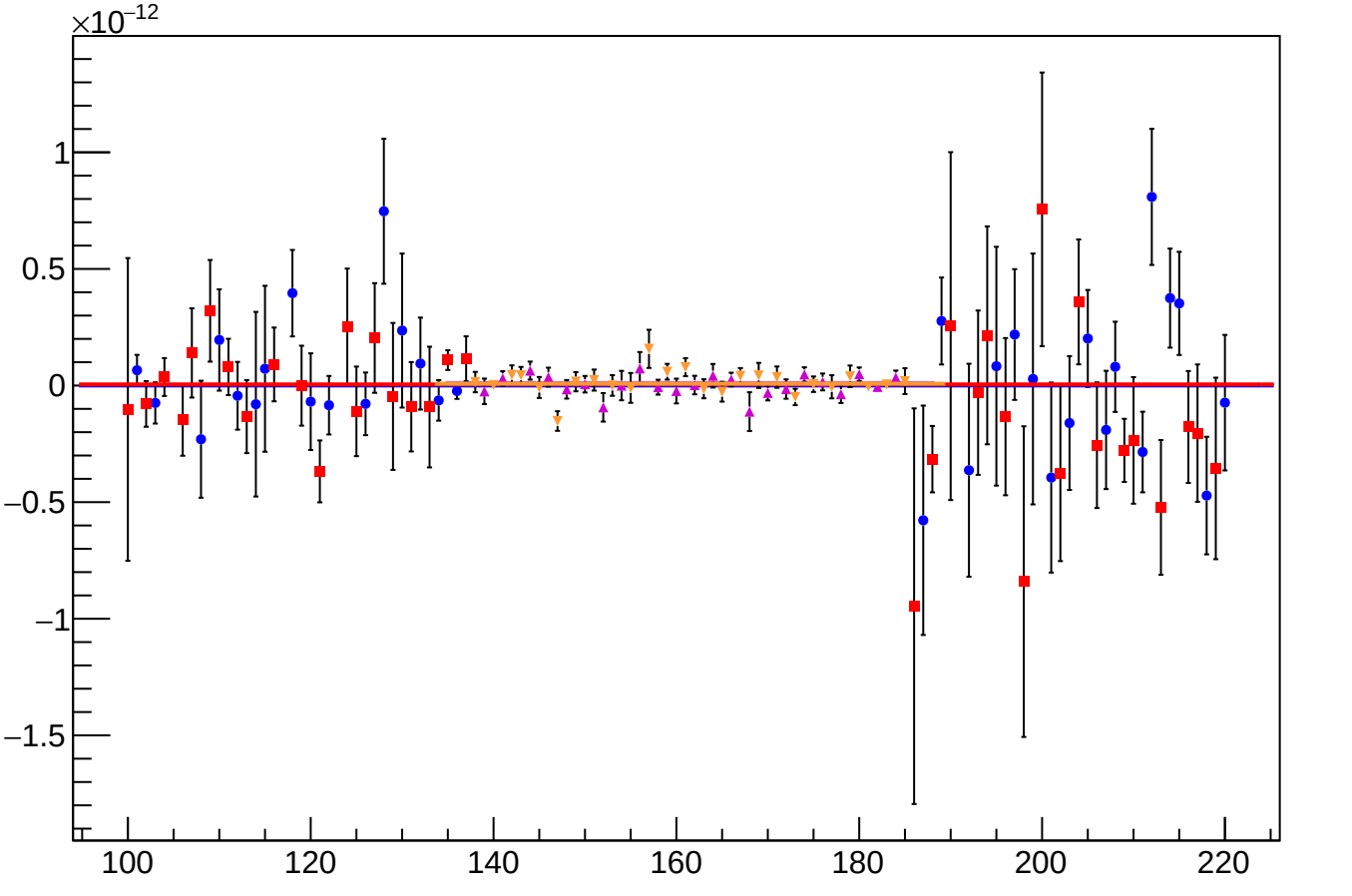
Right Out: 2539.415+/-0.401 χ^2/NDF: 2178523.9/35

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 2111.174+/-0.241 χ^2/NDF: 3930183.4/57

All: 2121.057+/-0.173 χ^2/NDF: 8246990.1/11

- sign 2131.385+/-0.247 χ^2/NDF: 4313377.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 43.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

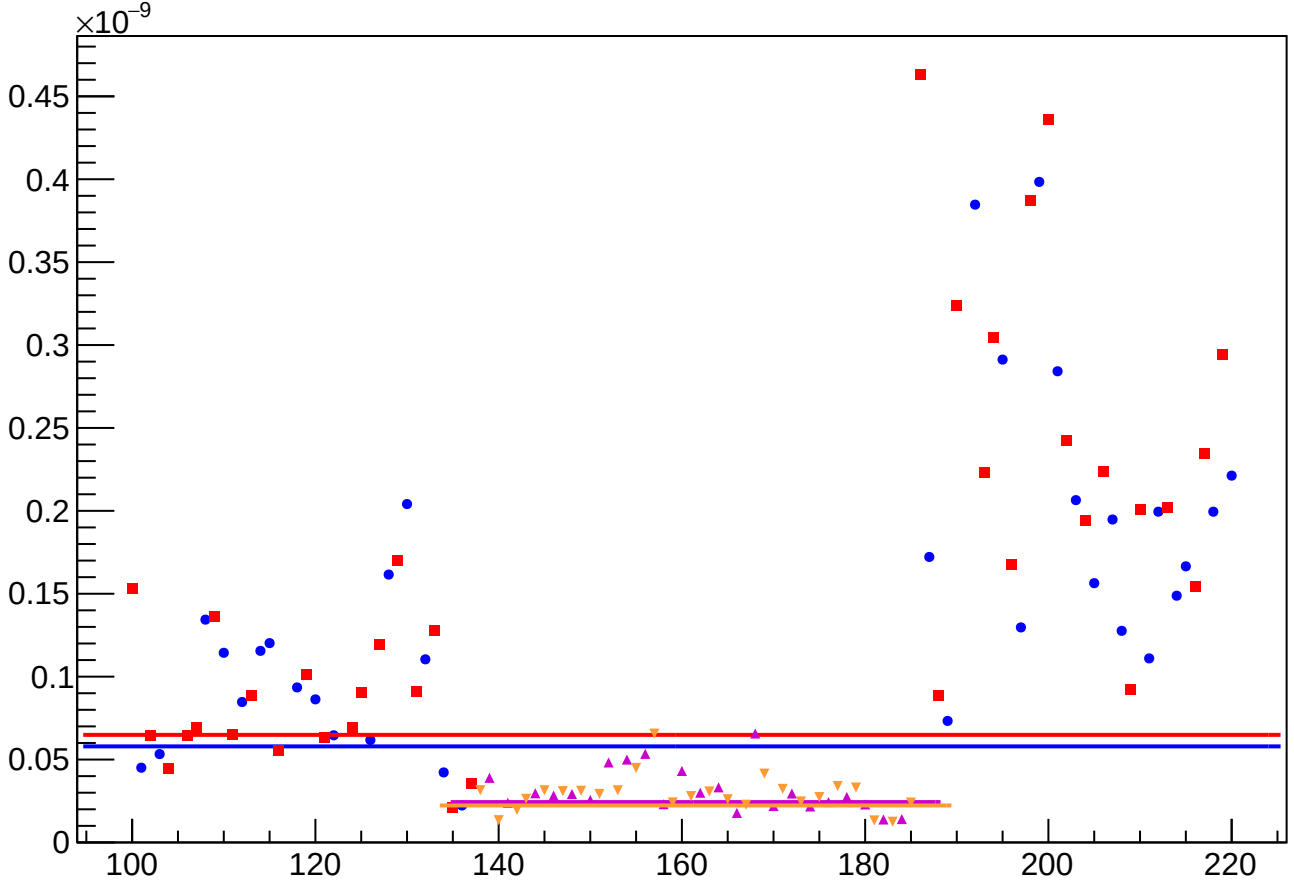
Right Out: 0.000+/-0.000 χ^2/NDF: 47.9/35

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.4/57

All: 0.000+/-0.000 χ^2/NDF: 143.4/116

- sign 0.000+/-0.000 χ^2/NDF: 67.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 11482030.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10746401.8/35

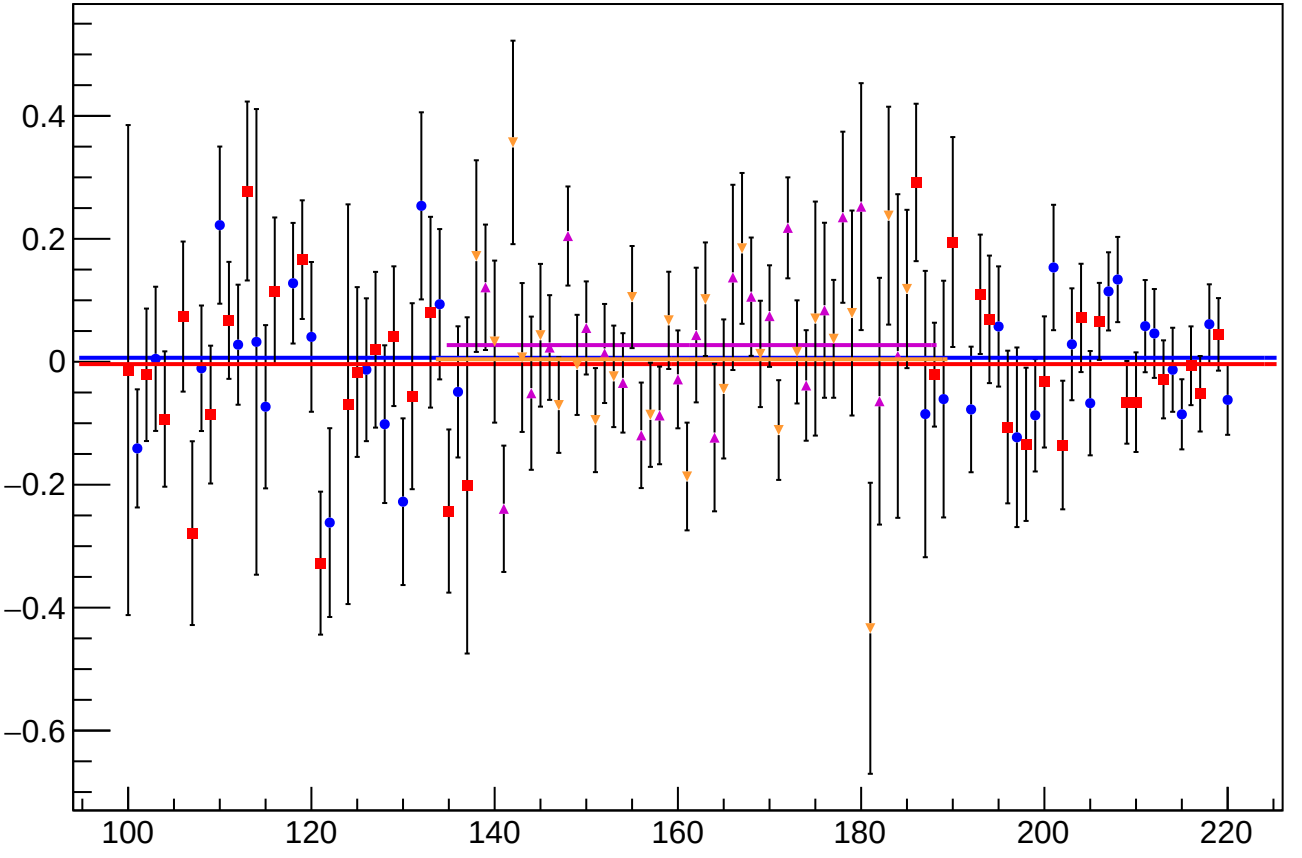
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 19650302.9/57

All: 0.000+/-0.000 χ^2/NDF: 38463385.8/116

- sign 0.000+/-0.000 χ^2/NDF: 18694376.3/58

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.016 χ^2/NDF: 35.3/32

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.004+/-0.016 χ^2/NDF: 42.4/35

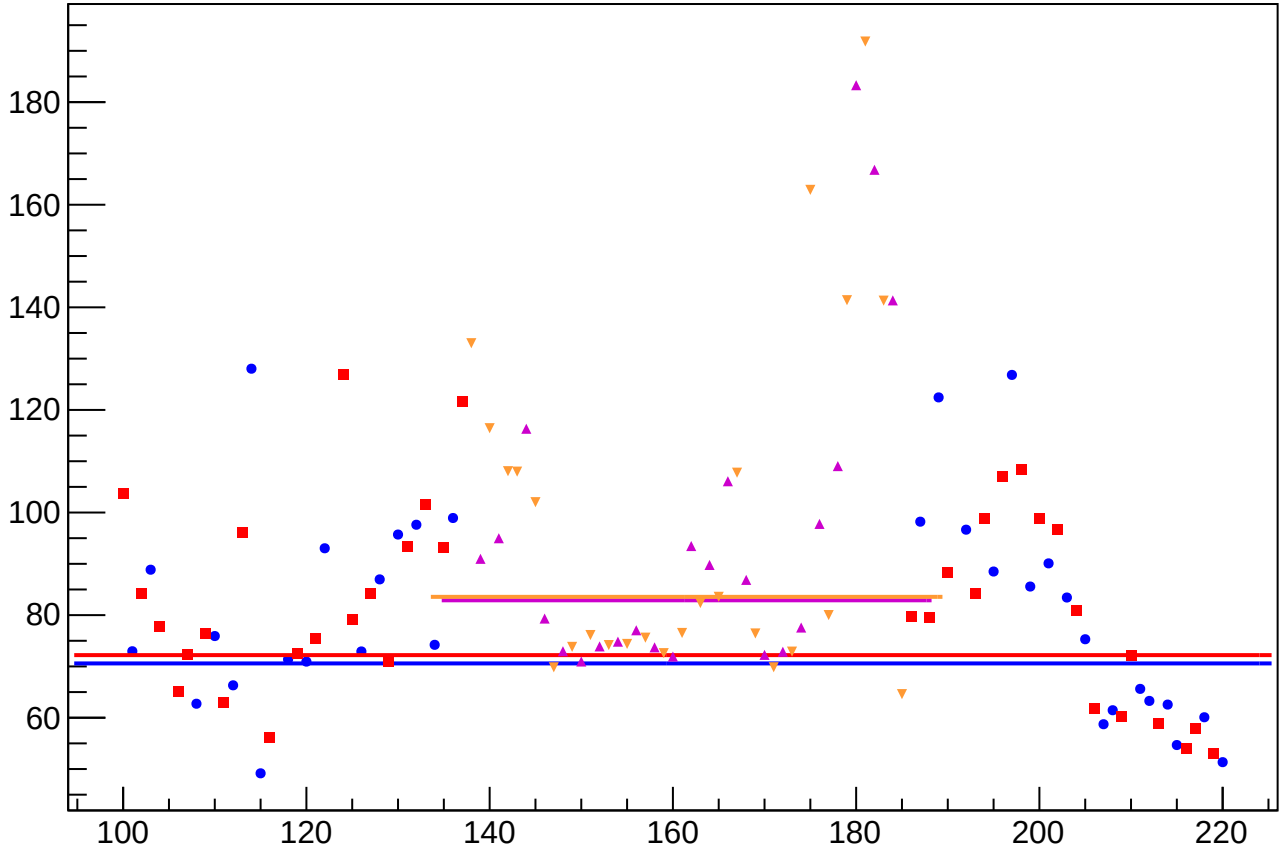
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.006+/-0.013 χ^2/NDF: 63.4/57

All: 0.007+/-0.009 χ^2/NDF: 139.2/116

- sign 0.008+/-0.013 χ^2/NDF: 75.7/58

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 70.586+/-0.012 χ^2/NDF: 1956175.5/32

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 72.205+/-0.012 χ^2/NDF: 1936640.9/35

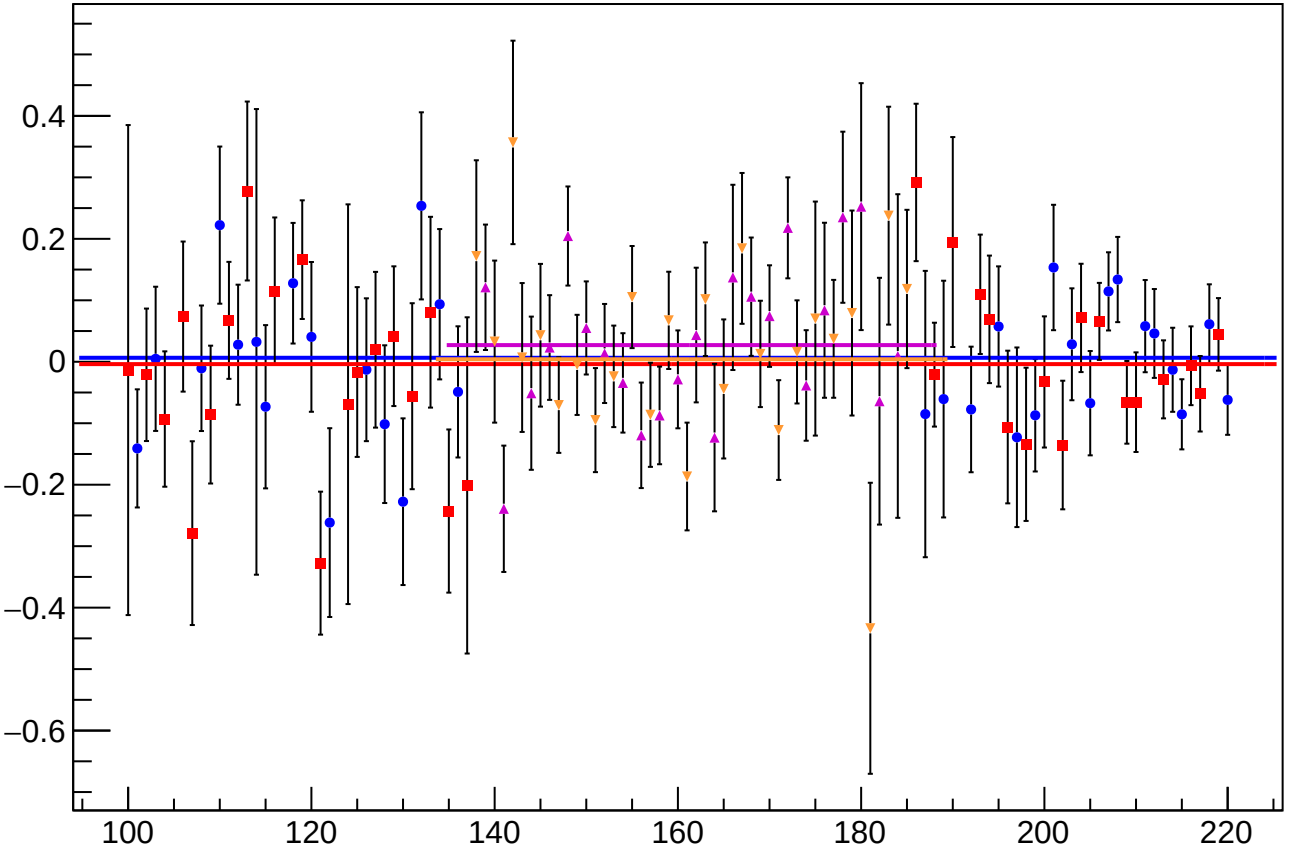
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 75.669+/-0.009 χ^2/NDF: 4626276.0/57

All: 76.026+/-0.006 χ^2/NDF: 8468001.4/116

- sign 76.393+/-0.009 χ^2/NDF: 3838521.3/58

asym_usr_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.016 χ^2/NDF: 35.3/32

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.004+/-0.016 χ^2/NDF: 42.4/35

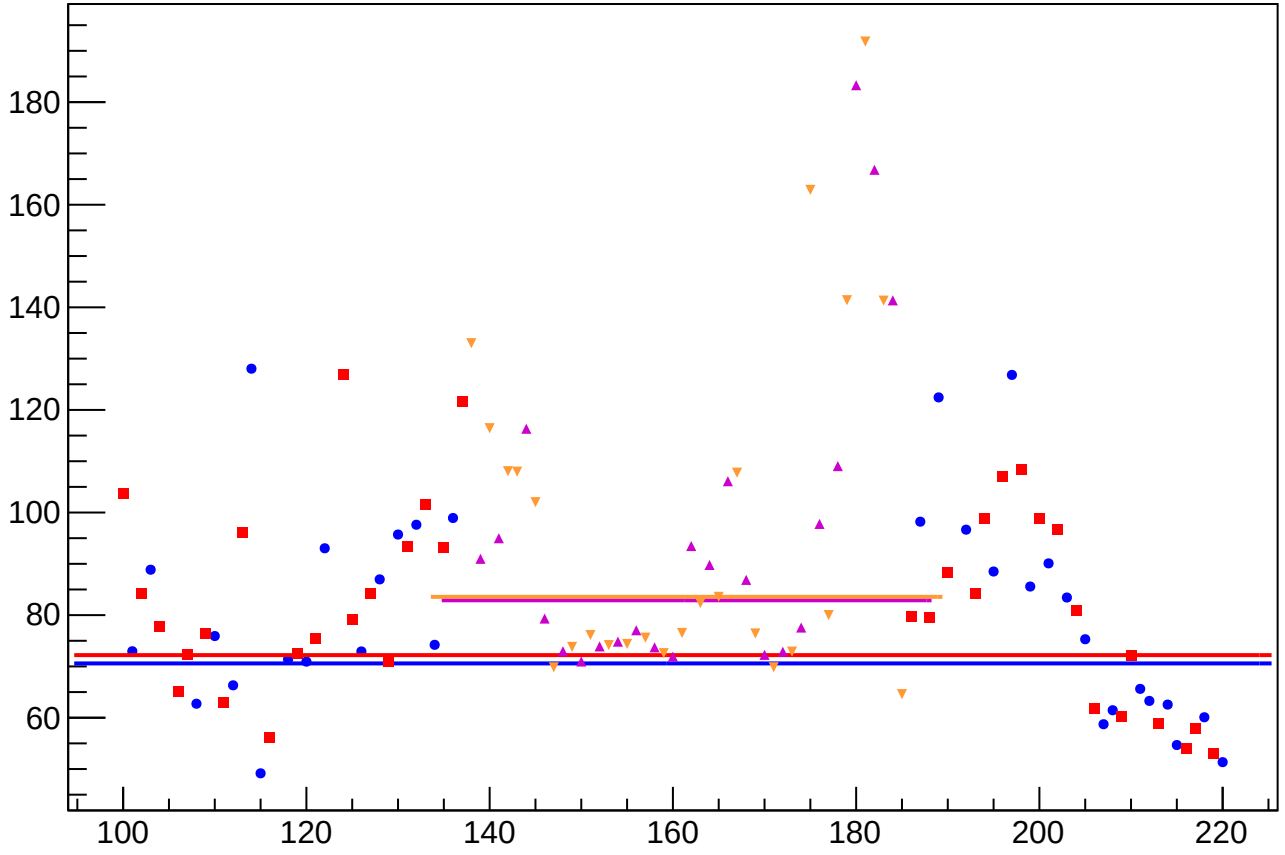
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.006+/-0.013 χ^2/NDF: 63.4/57

All: 0.007+/-0.009 χ^2/NDF: 139.2/116

- sign 0.008+/-0.013 χ^2/NDF: 75.7/58

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.586+/-0.012 χ^2/NDF: 1956175.5/32

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 72.205+/-0.012 χ^2/NDF: 1936640.9/35

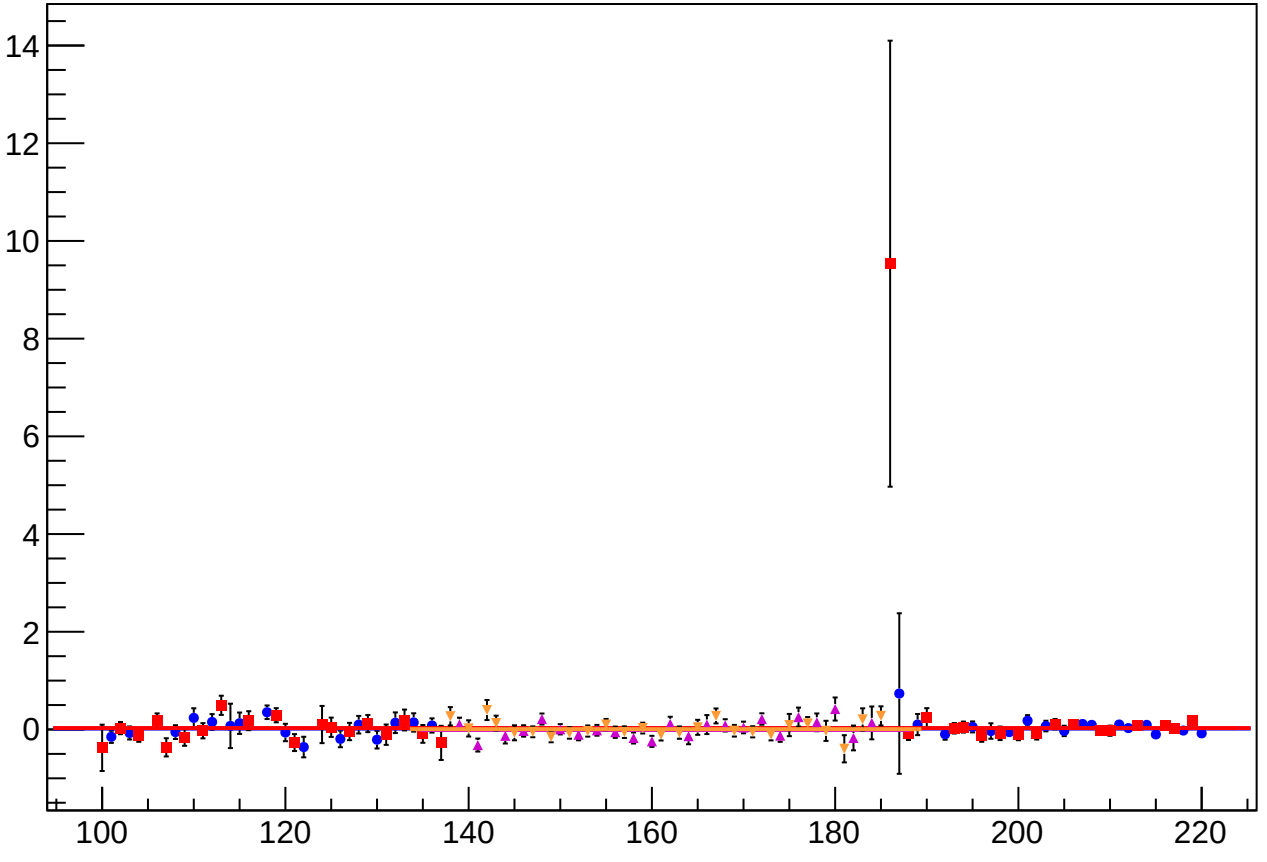
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

+ sign 75.669+/-0.009 χ^2/NDF: 4626276.0/57

All: 76.026+/-0.006 χ^2/NDF: 8468001.4/116

- sign 76.393+/-0.009 χ^2/NDF: 3838521.3/58

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.019+/-0.022 χ^2/NDF: 29.9/32

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.028+/-0.022 χ^2/NDF: 40.4/35

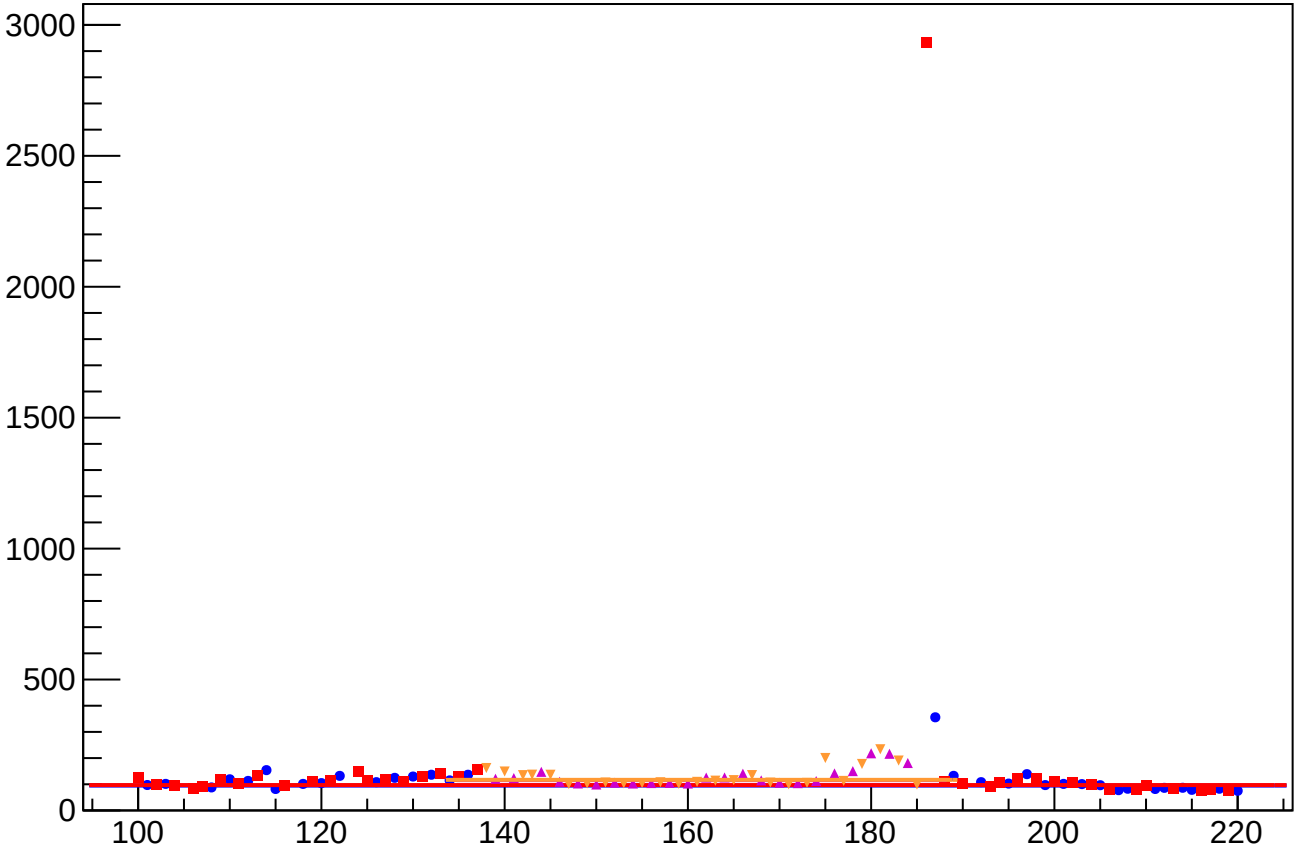
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.014+/-0.017 χ^2/NDF: 51.3/57

All: 0.014+/-0.012 χ^2/NDF: 124.2/116

- sign 0.014+/-0.017 χ^2/NDF: 72.9/58

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 95.019+/-0.015 χ^2/NDF: 1313922.2/32

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

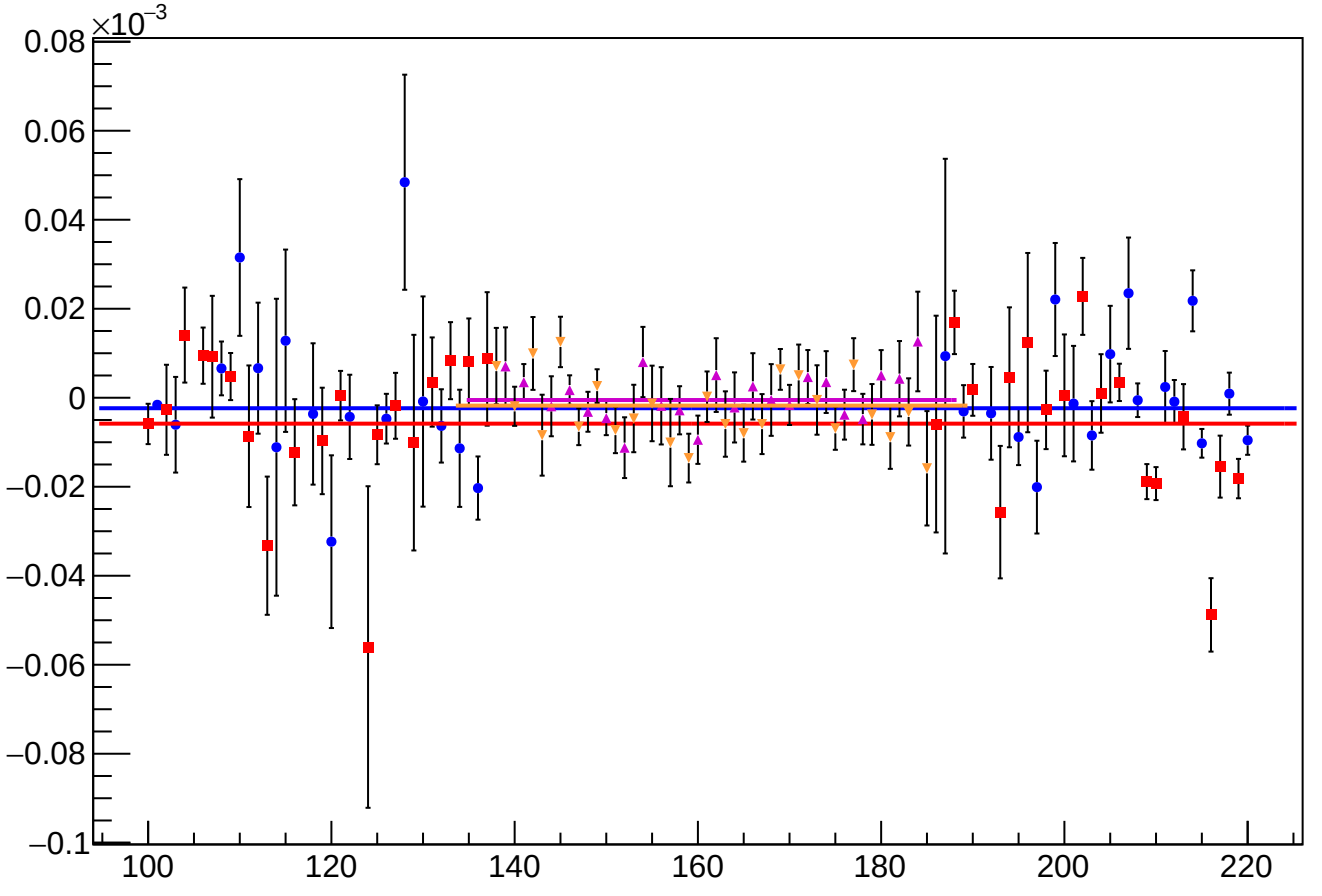
Right Out: 96.907+/-0.016 χ^2/NDF: 1995229.1/35

Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 103.249+/-0.012 χ^2/NDF: 3684062.6/57

All: 103.648+/-0.009 χ^2/NDF: 7476697.1/116

- sign 104.058+/-0.012 χ^2/NDF: 3790414.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 59.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 121.1/35

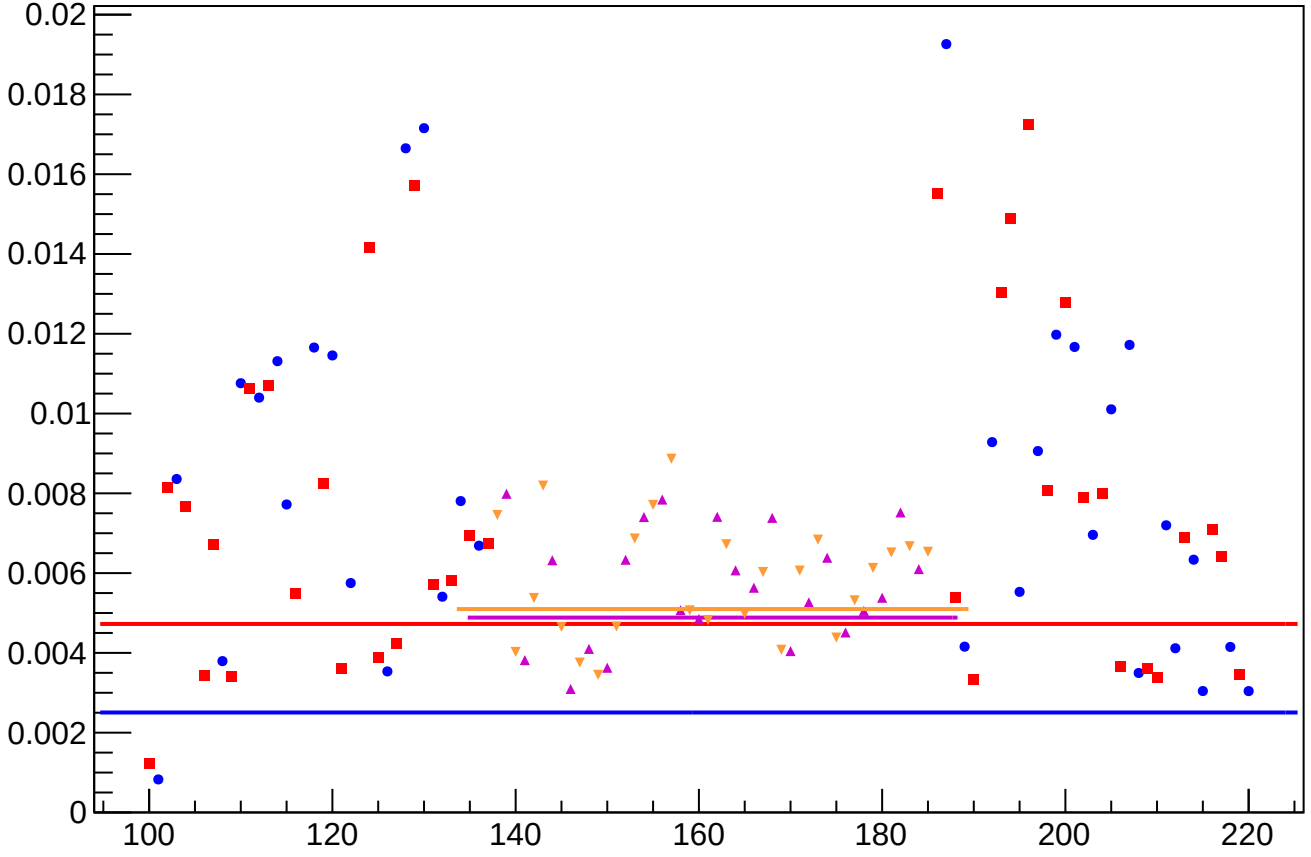
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 91.1/57

All: -0.000+/-0.000 χ^2/NDF: 238.3/116

- sign -0.000+/-0.000 χ^2/NDF: 146.4/58

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 20622911.7/32

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8896548.1/35

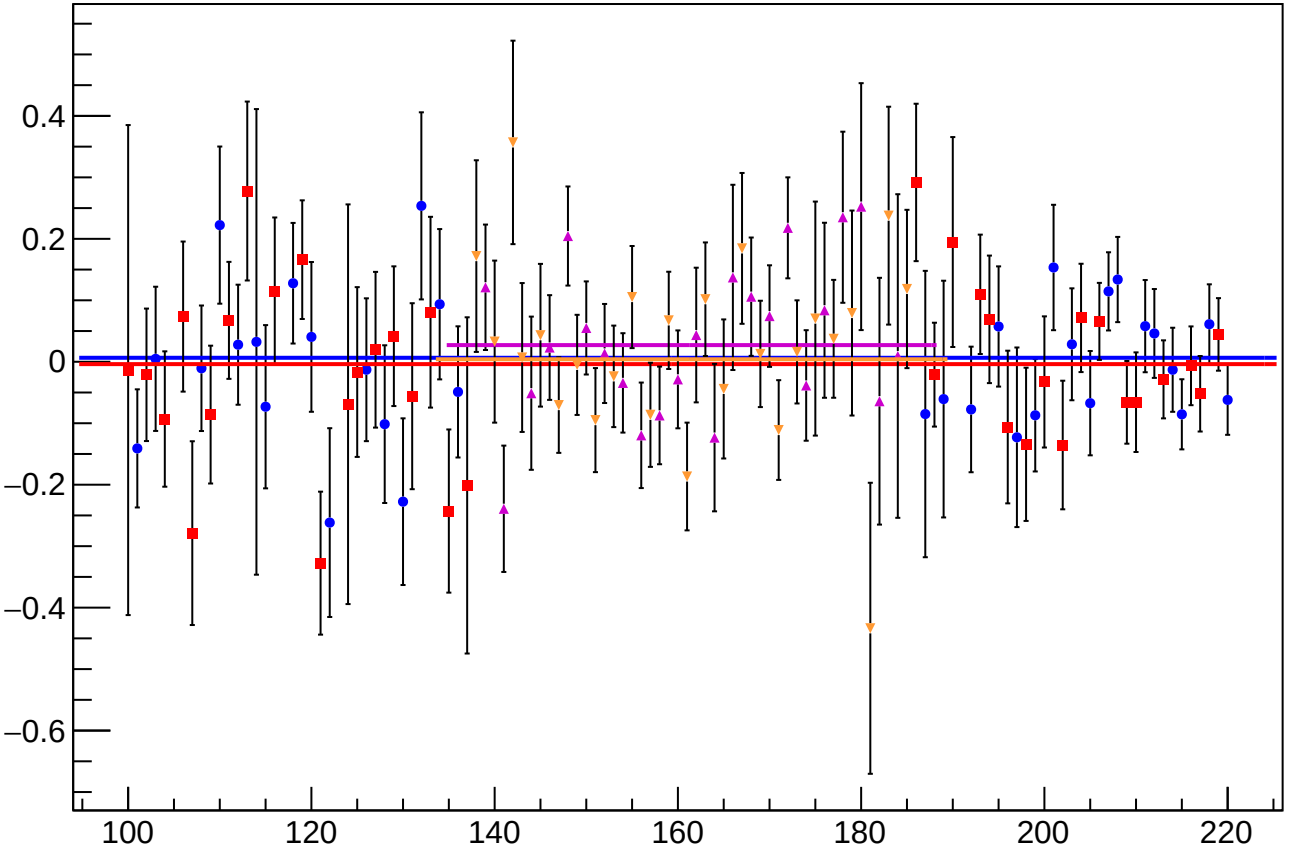
Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 29371243.7/57

All: 0.004+/-0.000 χ^2/NDF: 44900200.4/116

- sign 0.005+/-0.000 χ^2/NDF: 11639400.1/58

asym_usr_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.016 χ^2/NDF: 35.3/32

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.004+/-0.016 χ^2/NDF: 42.4/35

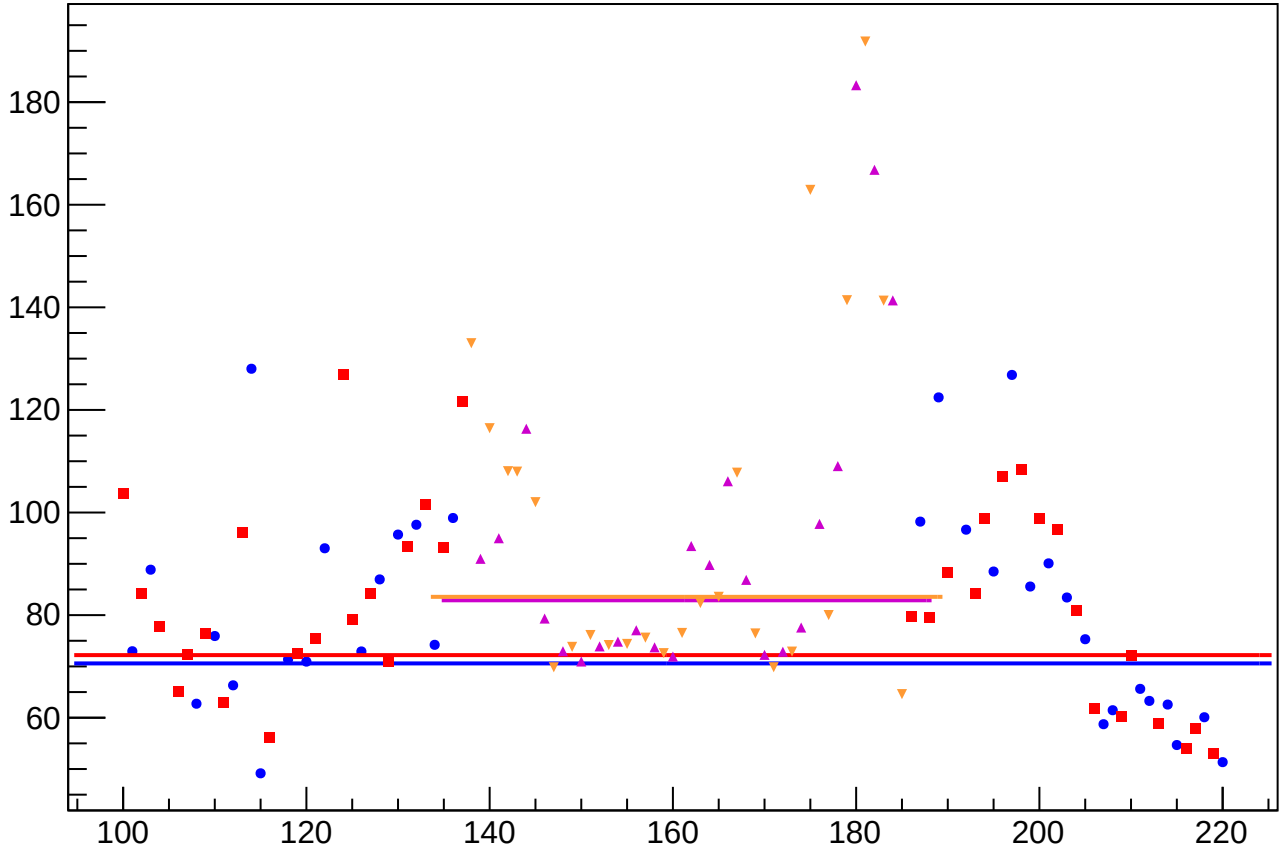
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.006+/-0.013 χ^2/NDF: 63.4/57

All: 0.007+/-0.009 χ^2/NDF: 139.2/116

- sign 0.008+/-0.013 χ^2/NDF: 75.8/58

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 70.587+/-0.012 χ^2/NDF: 1956014.8/32

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

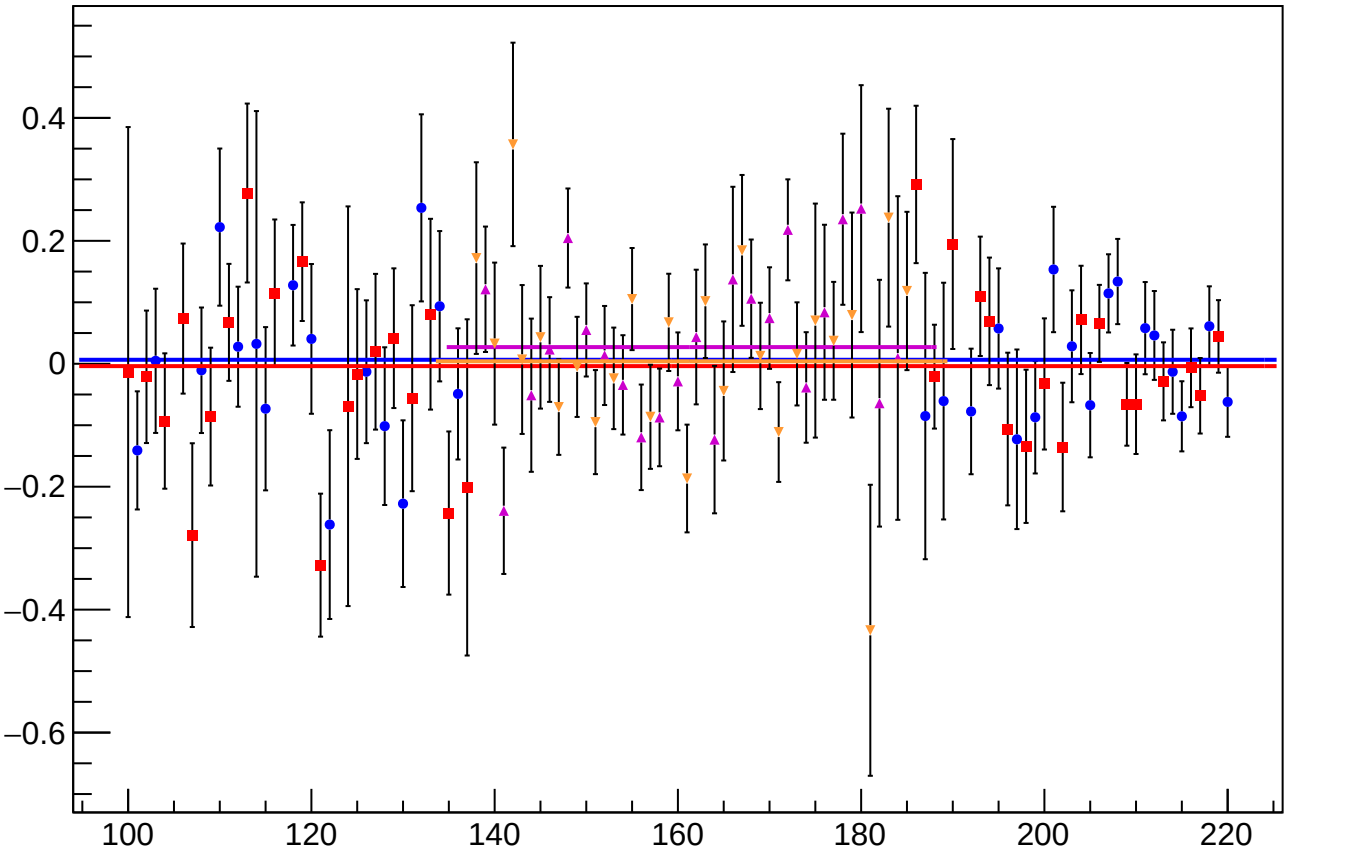
Right Out: 72.205+/-0.012 χ^2/NDF: 1936579.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 75.669+/-0.009 χ^2/NDF: 4626103.7/57

All: 76.026+/-0.006 χ^2/NDF: 8467798.8/116

- sign 76.392+/-0.009 χ^2/NDF: 3838498.1/58



Right In: 0.006+/-0.016 χ^2/NDF: 35.3/32

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: -0.004+/-0.016 χ^2/NDF: 42.4/35

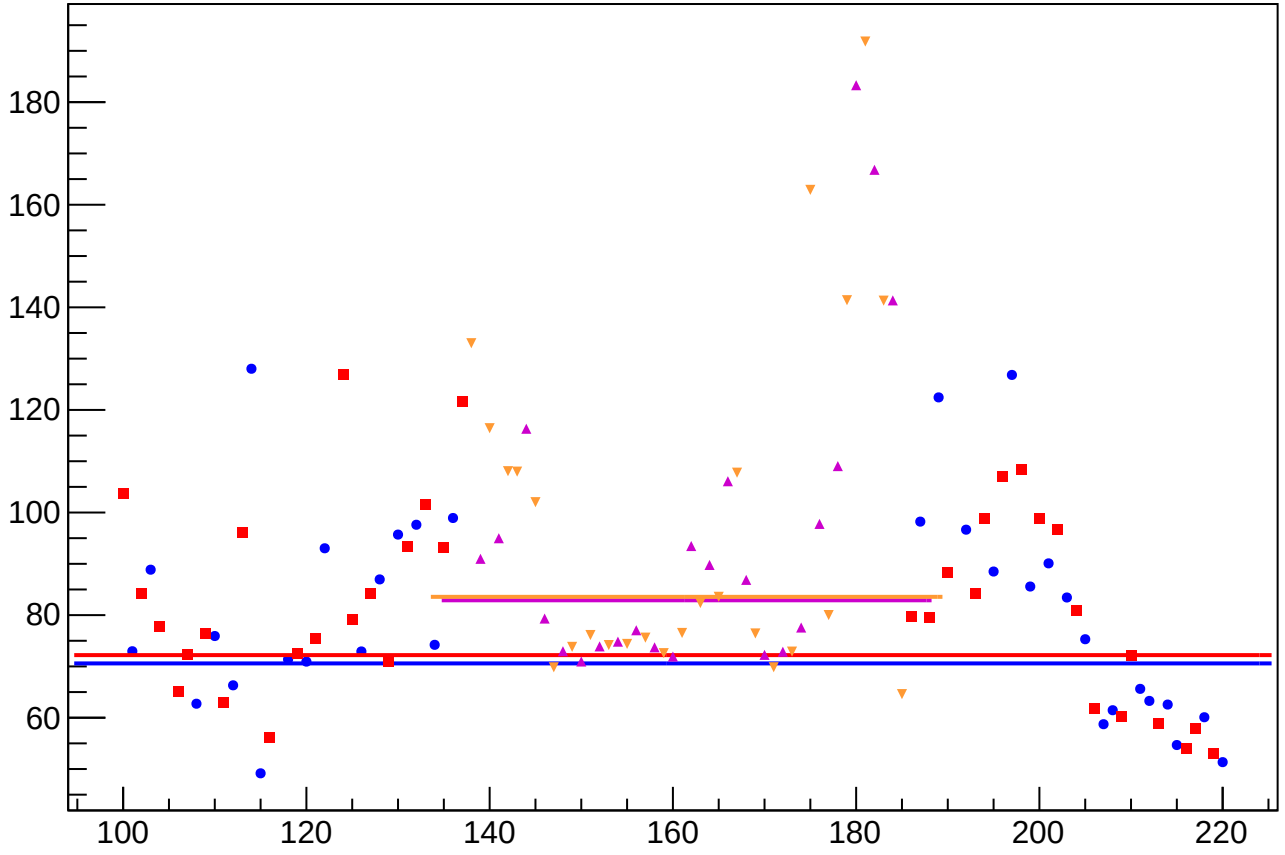
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign 0.006+/-0.013 χ^2/NDF: 63.4/57

All: 0.007+/-0.009 χ^2/NDF: 139.2/116

- sign 0.008+/-0.013 χ^2/NDF: 75.8/58

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.587+/-0.012 χ^2/NDF: 1956014.8/32

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

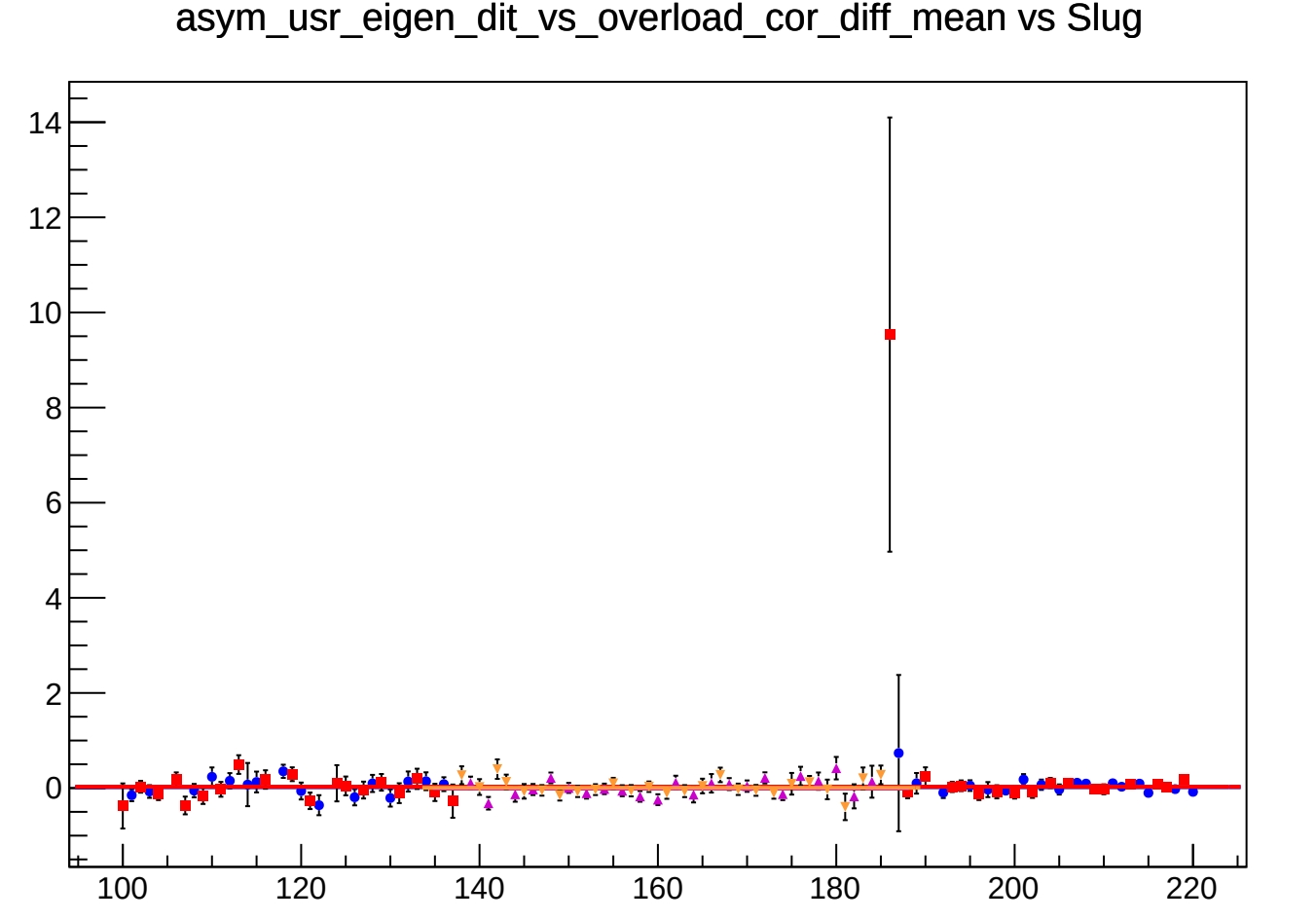
Right Out: 72.205+/-0.012 χ^2/NDF: 1936579.9/35

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 75.669+/-0.009 χ^2/NDF: 4626103.7/57

All: 76.026+/-0.006 χ^2/NDF: 8467798.8/116

- sign 76.392+/-0.009 χ^2/NDF: 3838498.1/58



Right In: 0.019+/-0.022 χ^2/NDF: 29.9/32

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.028+/-0.022 χ^2/NDF: 40.4/35

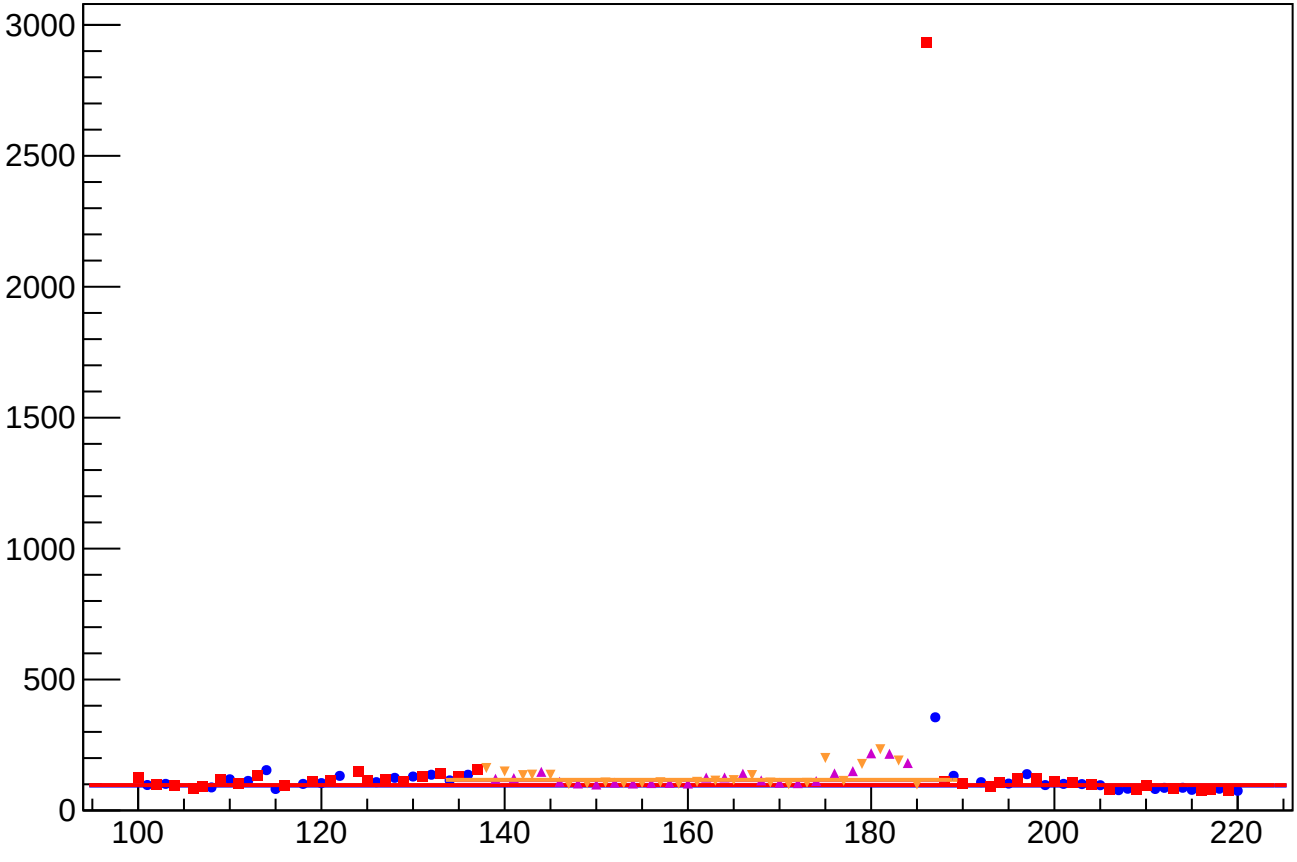
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.014+/-0.017 χ^2/NDF: 51.3/57

All: 0.014+/-0.012 χ^2/NDF: 124.2/116

- sign 0.014+/-0.017 χ^2/NDF: 72.9/58

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 95.020+/-0.015 χ^2/NDF: 1313791.1/32

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

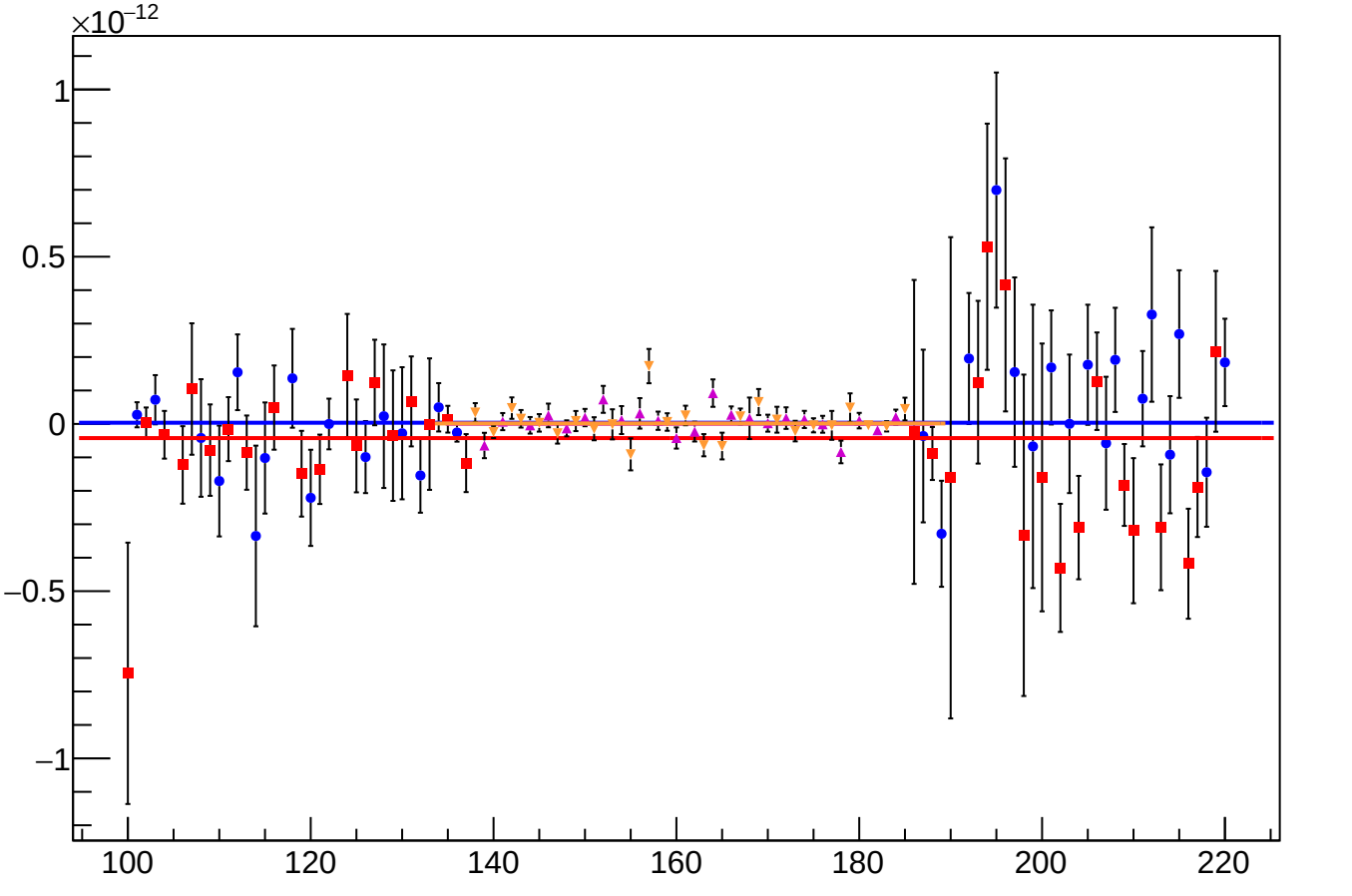
Right Out: 96.907+/-0.016 χ^2/NDF: 1995170.3/35

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 103.250+/-0.012 χ^2/NDF: 3683917.2/57

All: 103.648+/-0.009 χ^2/NDF: 7476514.0/116

- sign 104.058+/-0.012 χ^2/NDF: 3790379.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 33.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

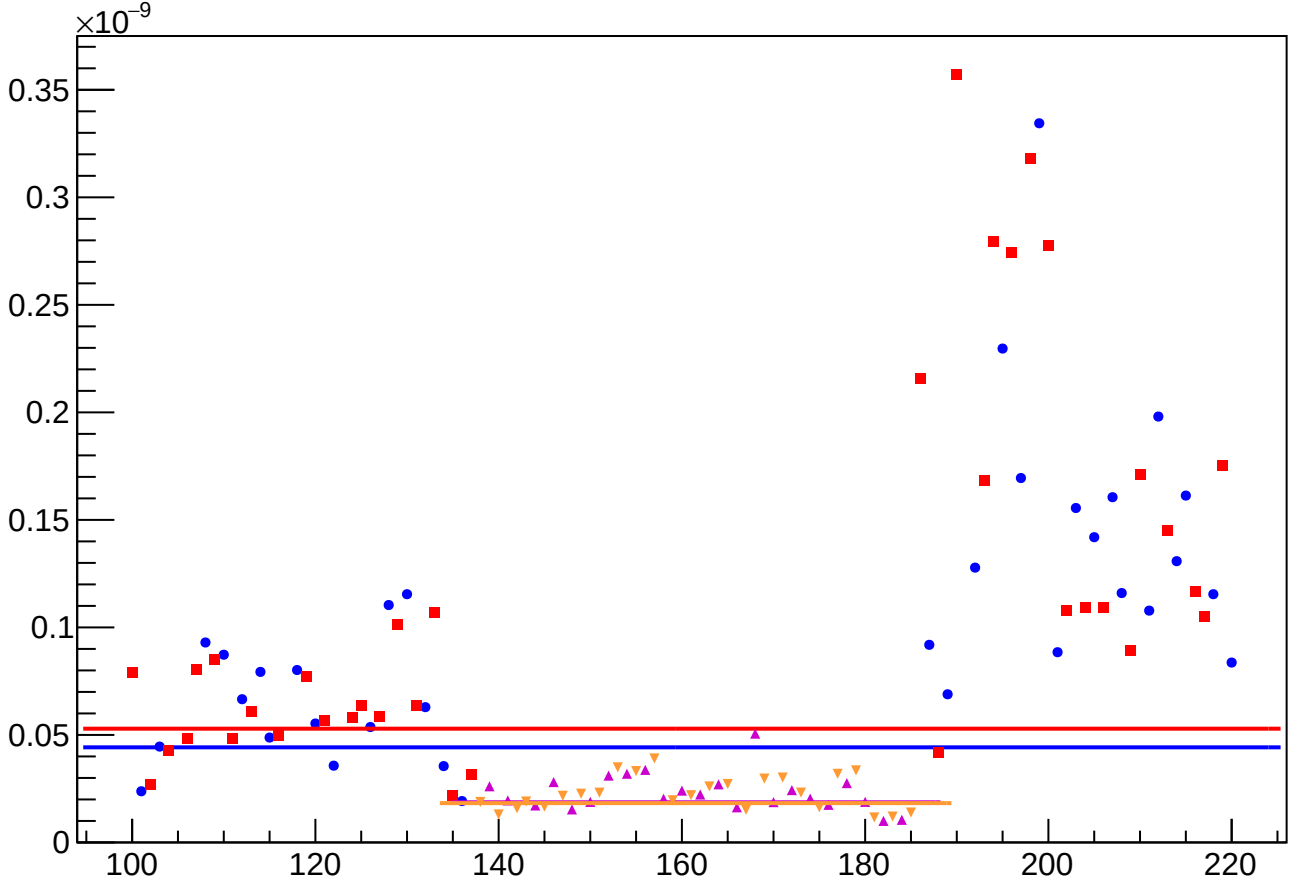
Right Out: -0.000+/-0.000 χ^2/NDF: 39.7/35

Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.4/57

All: -0.000+/-0.000 χ^2/NDF: 141.9/116

- sign -0.000+/-0.000 χ^2/NDF: 71.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 11067235.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9411825.8/35

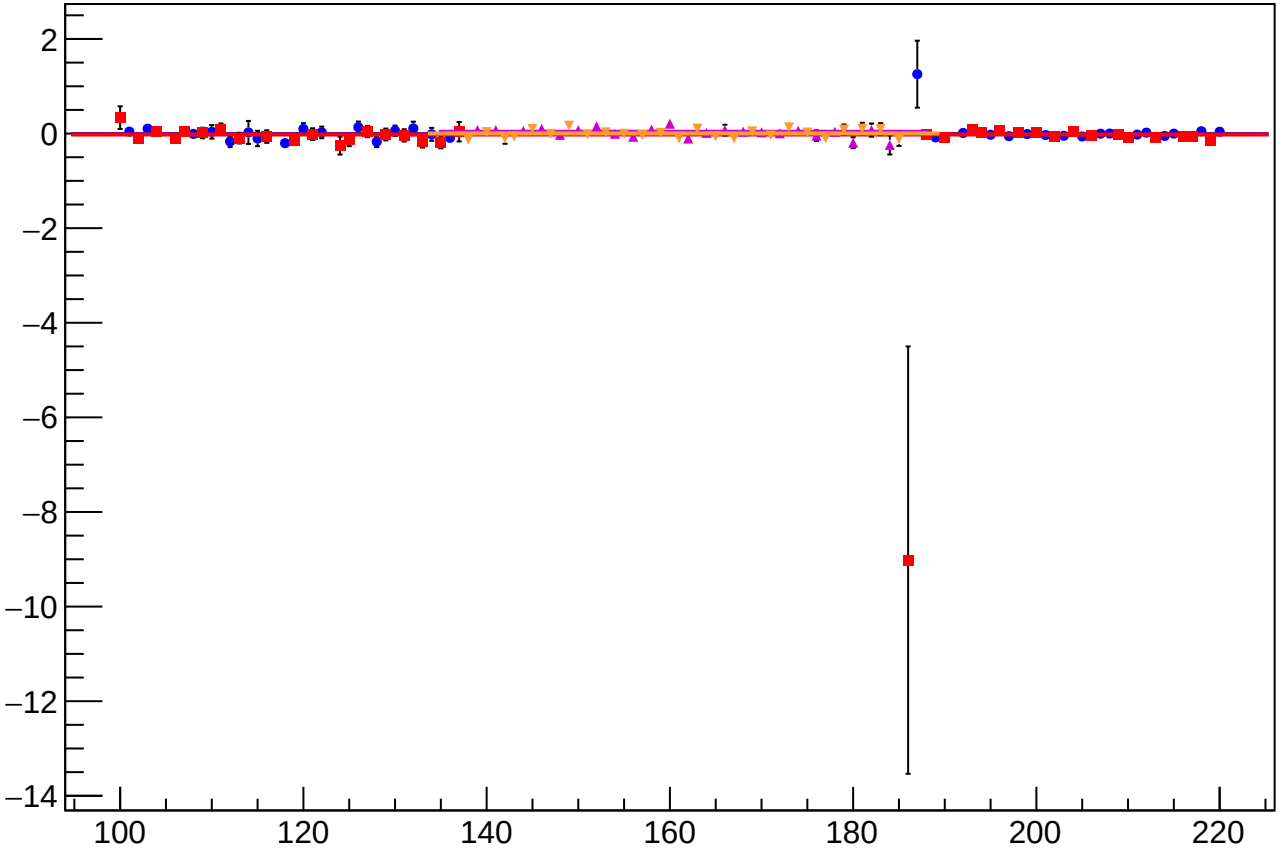
Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 18476131.8/57

All: 0.000+/-0.000 χ^2/NDF: 36798099.7/116

- sign 0.000+/-0.000 χ^2/NDF: 18304399.5/58

asym_usr_overload_cor_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.011 χ^2/NDF: 27.1/32

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.019+/-0.011 χ^2/NDF: 47.4/35

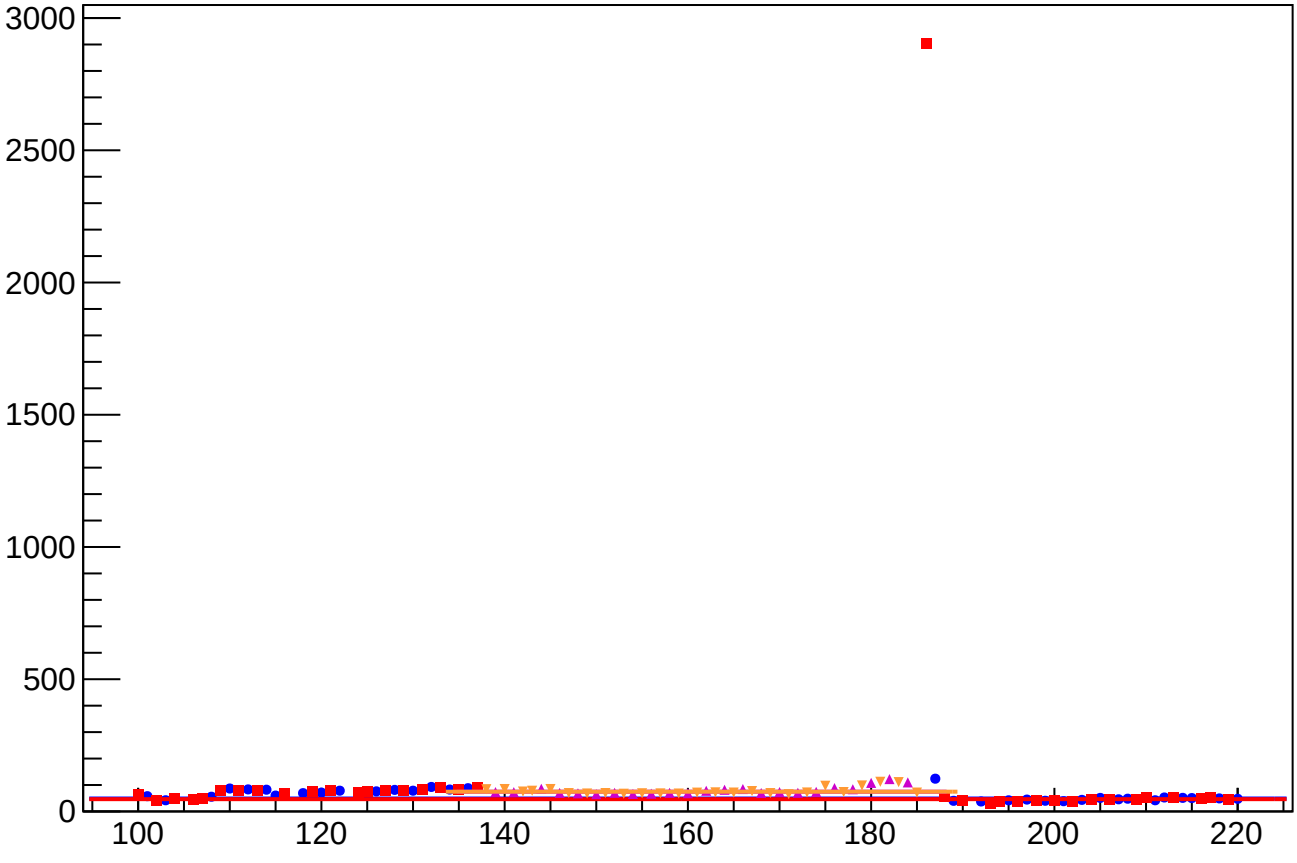
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.007+/-0.009 χ^2/NDF: 49.1/57

All: -0.005+/-0.007 χ^2/NDF: 125.7/116

- sign -0.004+/-0.009 χ^2/NDF: 76.6/58

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 48.902+/-0.008 χ^2/NDF: 2300243.8/32

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

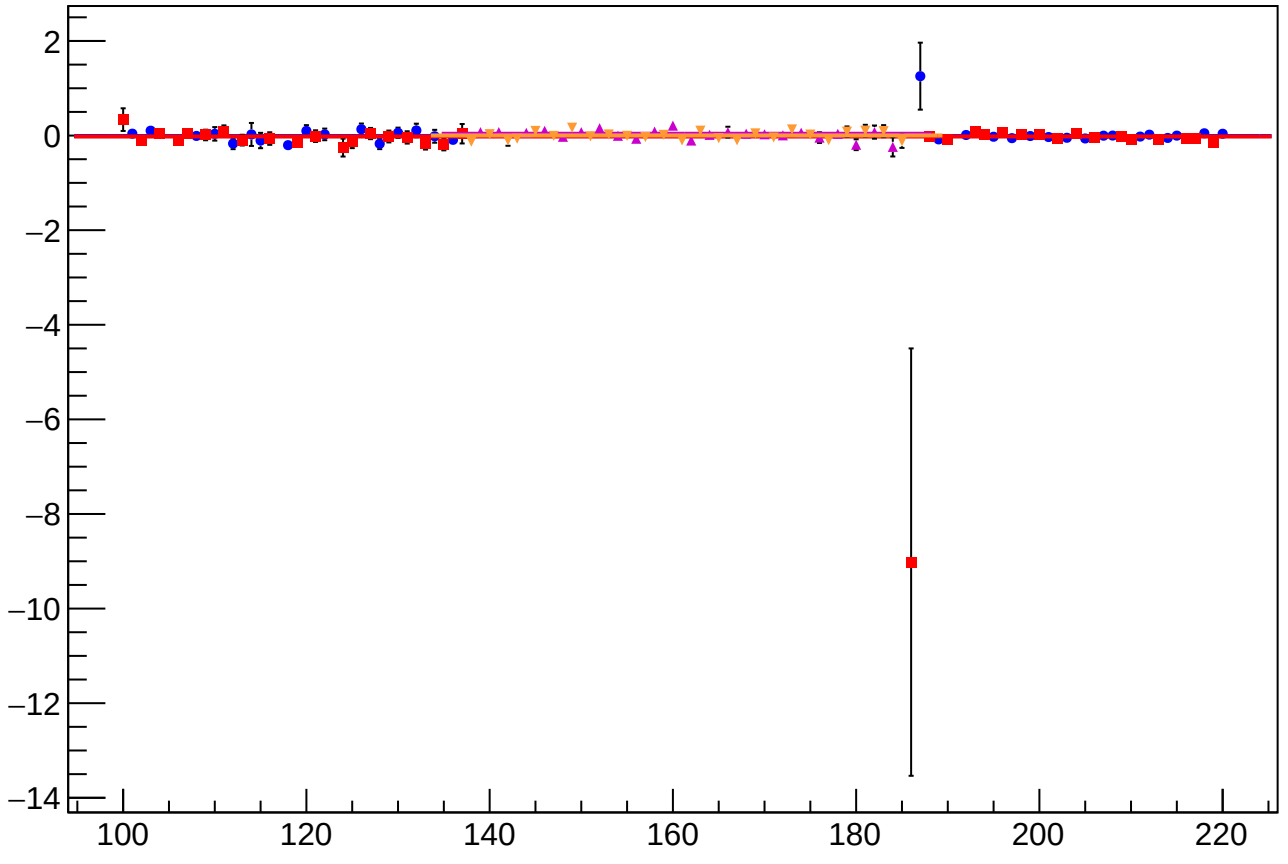
Right Out: 46.500+/-0.008 χ^2/NDF: 3693038.6/35

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 56.549+/-0.007 χ^2/NDF: 6142852.7/57

All: 55.321+/-0.005 χ^2/NDF: 14215392.3/116

- sign 54.134+/-0.007 χ^2/NDF: 8006518.9/58



Right In: -0.011+/-0.011 χ^2/NDF: 27.1/32

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.019+/-0.011 χ^2/NDF: 47.4/35

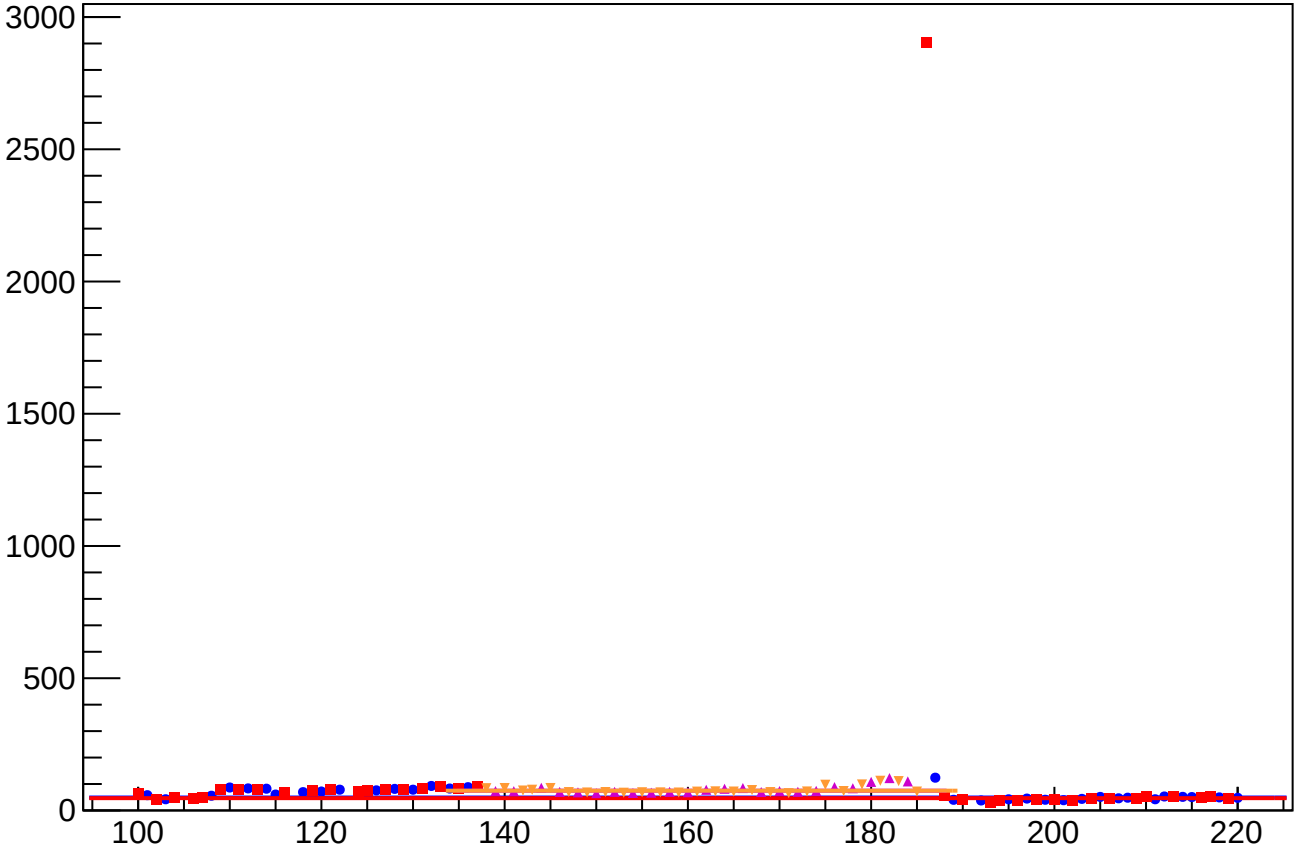
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.007+/-0.009 χ^2/NDF: 49.1/57

All: -0.005+/-0.007 χ^2/NDF: 125.7/116

- sign -0.004+/-0.009 χ^2/NDF: 76.6/58

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 48.902+/-0.008 χ^2/NDF: 2300243.8/32

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 46.500+/-0.008 χ^2/NDF: 3693038.6/35

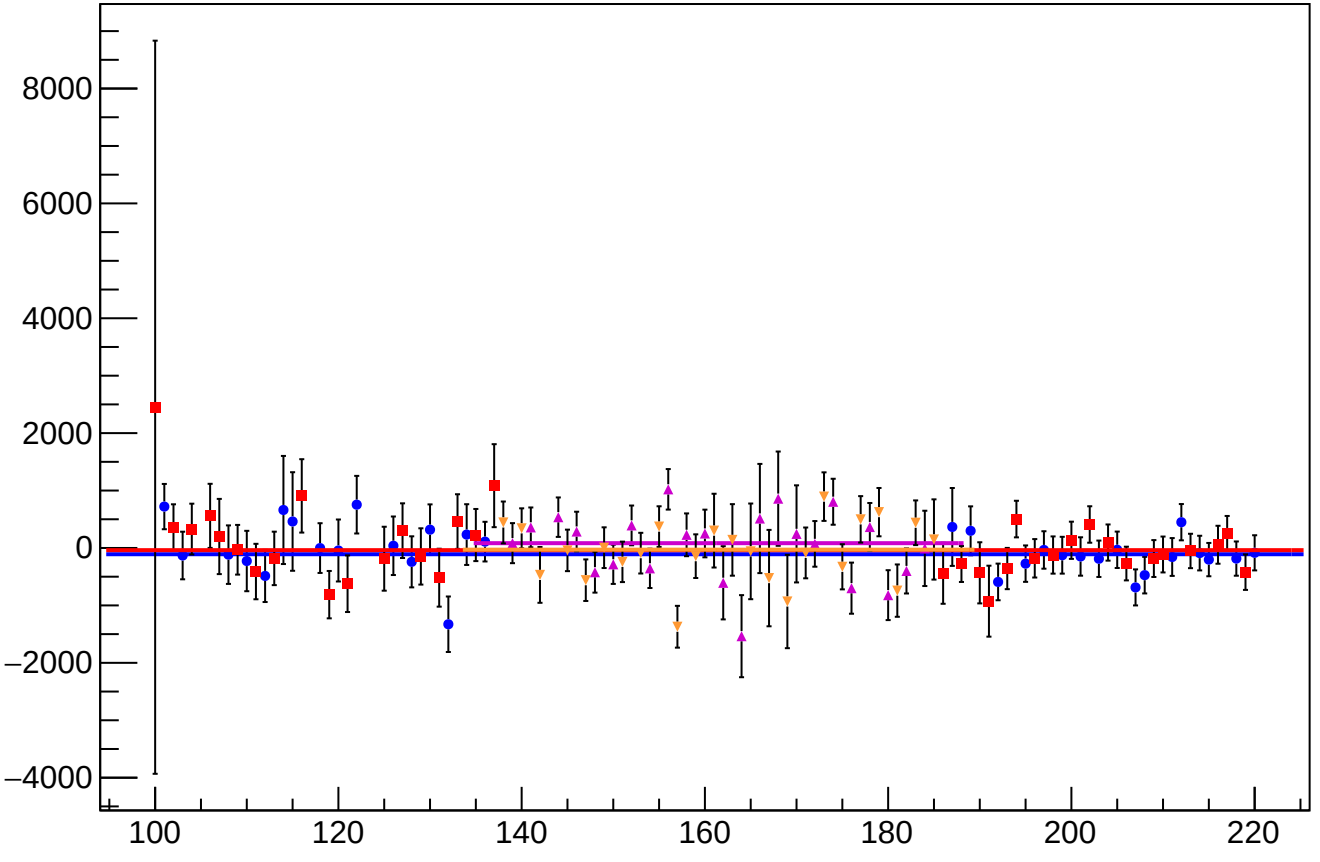
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 56.549+/-0.007 χ^2/NDF: 6142852.7/57

All: 55.321+/-0.005 χ^2/NDF: 14215392.3/116

- sign 54.134+/-0.007 χ^2/NDF: 8006518.9/58

asym_dsl_mean vs Slug



Right In: -108.847+/-65.992 χ^2/NDF: 29.8/32

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -37.930+/-66.004 χ^2/NDF: 29.9/35

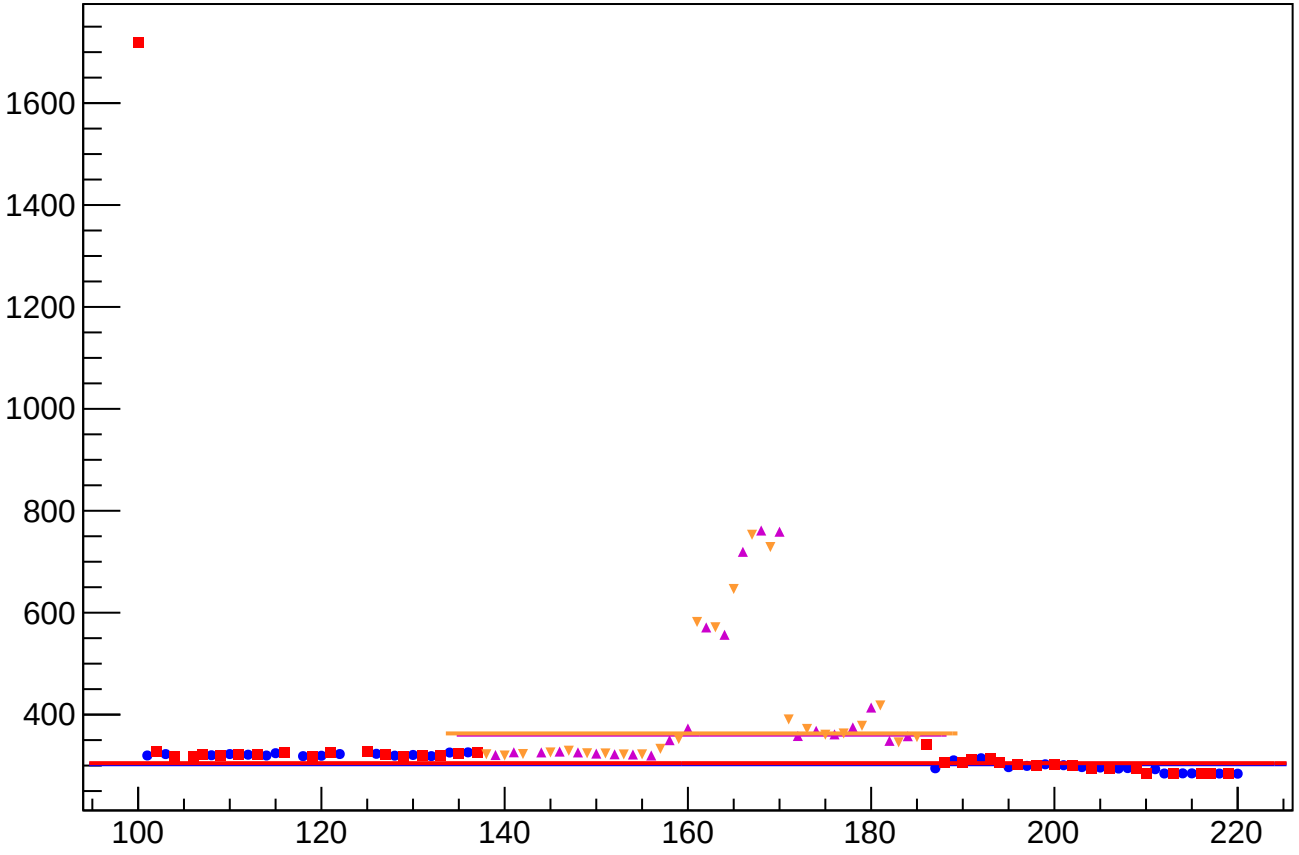
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -79.611+/-52.473 χ^2/NDF: 66.9/56

All: -36.375+/-37.102 χ^2/NDF: 135.2/115

- sign 6.851+/-52.467 χ^2/NDF: 67.0/58

asym_dsl_rms vs Slug



Right In: 302.623+/-0.047 χ^2/NDF: 97817.3/32

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 304.738+/-0.047 χ^2/NDF: 203334.0/35

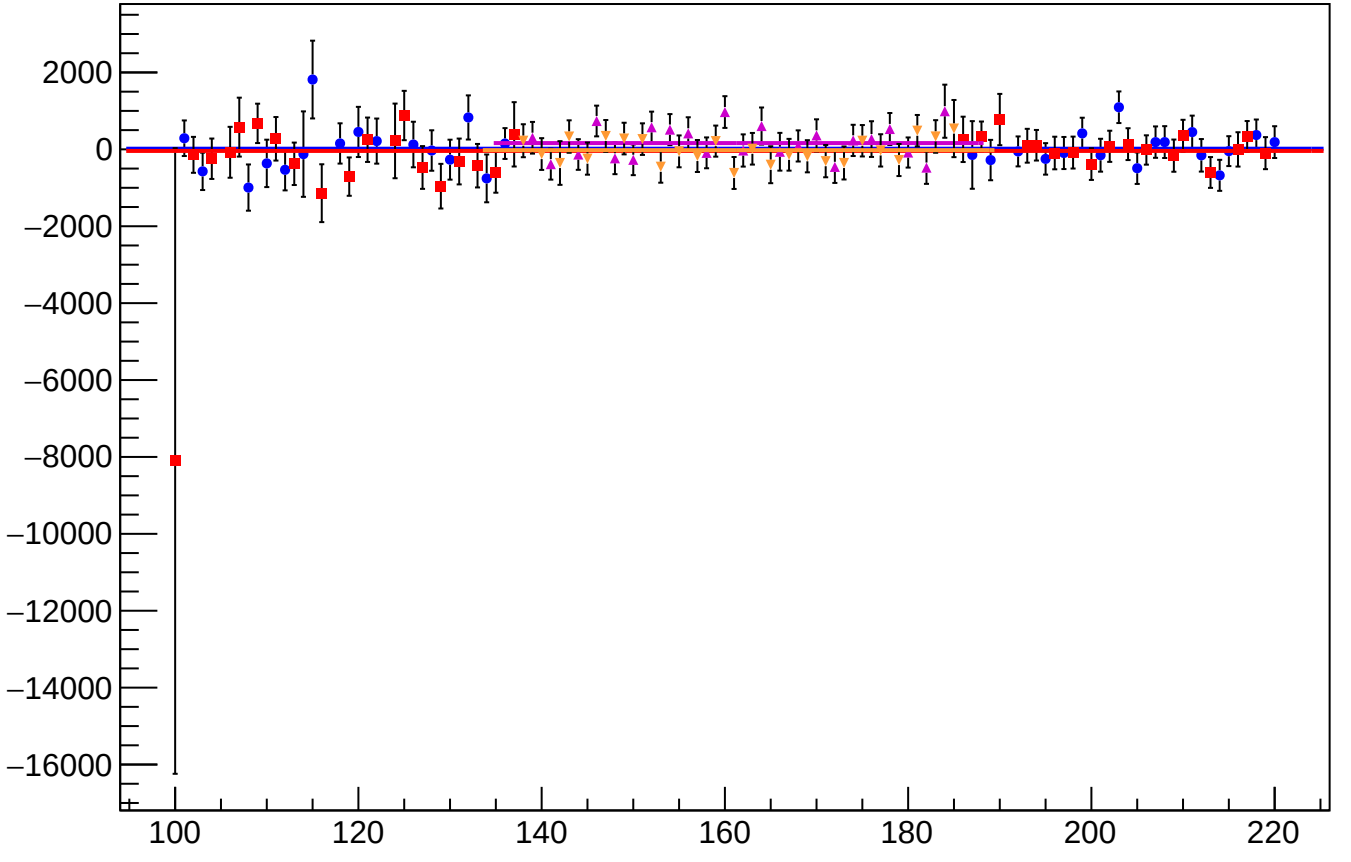
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 324.855+/-0.037 χ^2/NDF: 2510660.1/56

All: 325.076+/-0.026 χ^2/NDF: 5058841.8/115

- sign 325.296+/-0.037 χ^2/NDF: 2548110.9/58

asym_dsr_mean vs Slug



Right In: 16.647+/-83.126 χ^2/NDF: 29.7/32

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -41.180+/-82.860 χ^2/NDF: 23.6/35

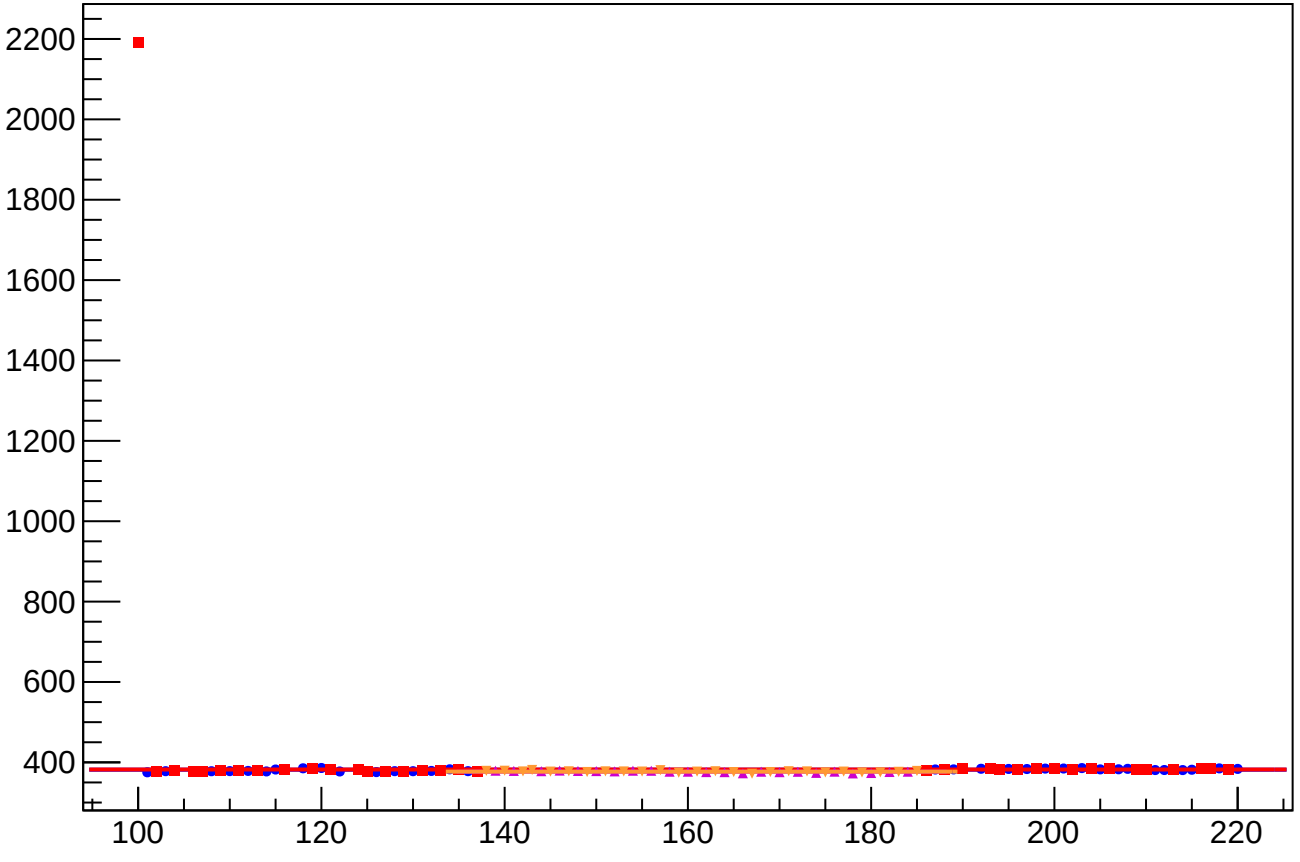
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

+ sign -1.650+/-59.641 χ^2/NDF: 42.4/57

All: 26.244+/-42.412 χ^2/NDF: 91.1/116

- sign 54.779+/-60.323 χ^2/NDF: 48.2/58

asym_dsr_rms vs Slug



Right In: 381.680+/-0.059 χ^2/NDF: 2450.2/32

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 382.186+/-0.059 χ^2/NDF: 100817.8/35

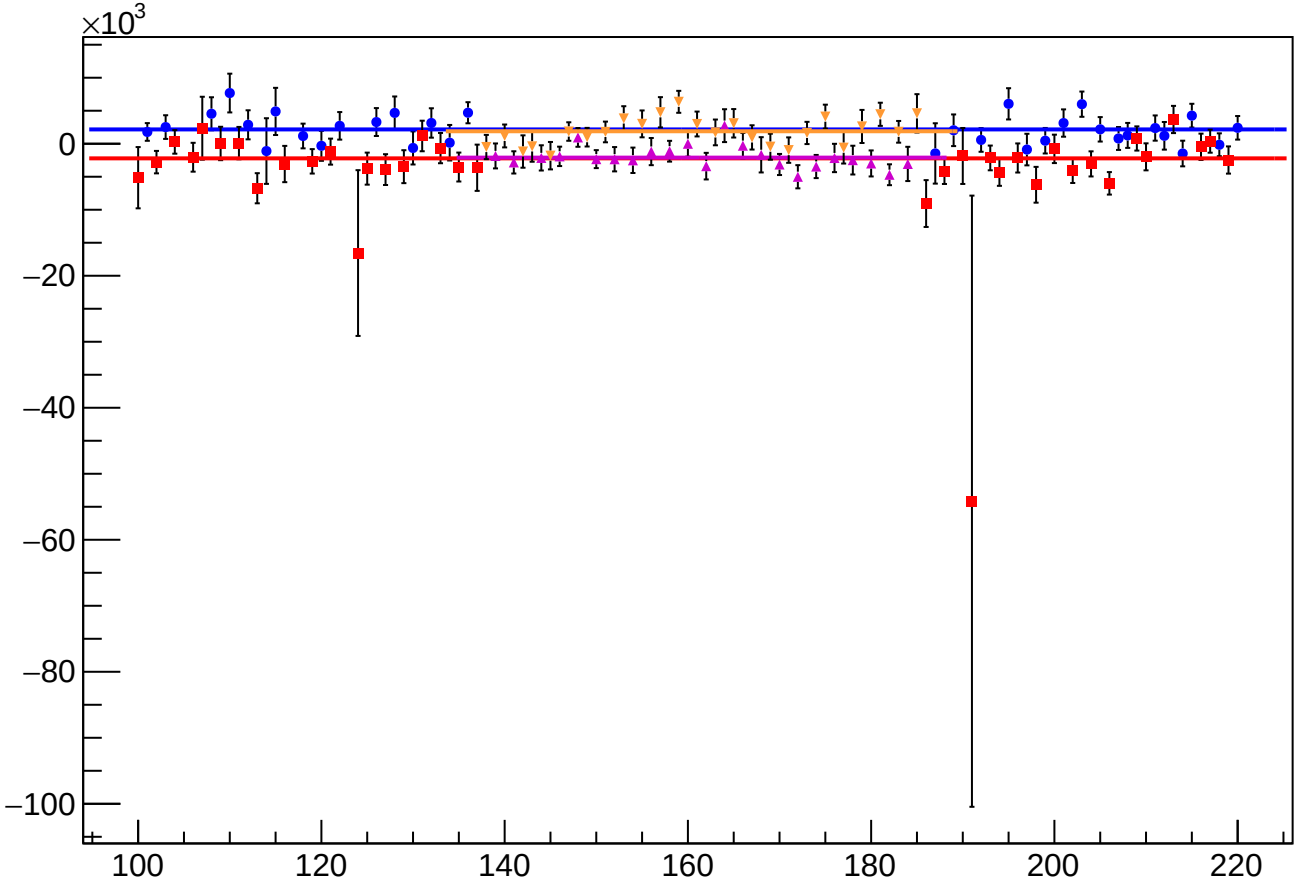
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 379.364+/-0.042 χ^2/NDF: 6709.6/57

All: 379.518+/-0.030 χ^2/NDF: 112533.2/116

- sign 379.676+/-0.043 χ^2/NDF: 105796.3/58

asym_us_agg_avg_mean vs Slug



Right In: 2168.576+/-359.417 χ^2/NDF: 31.5/32

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2216.382+/-369.821 χ^2/NDF: 44.7/36

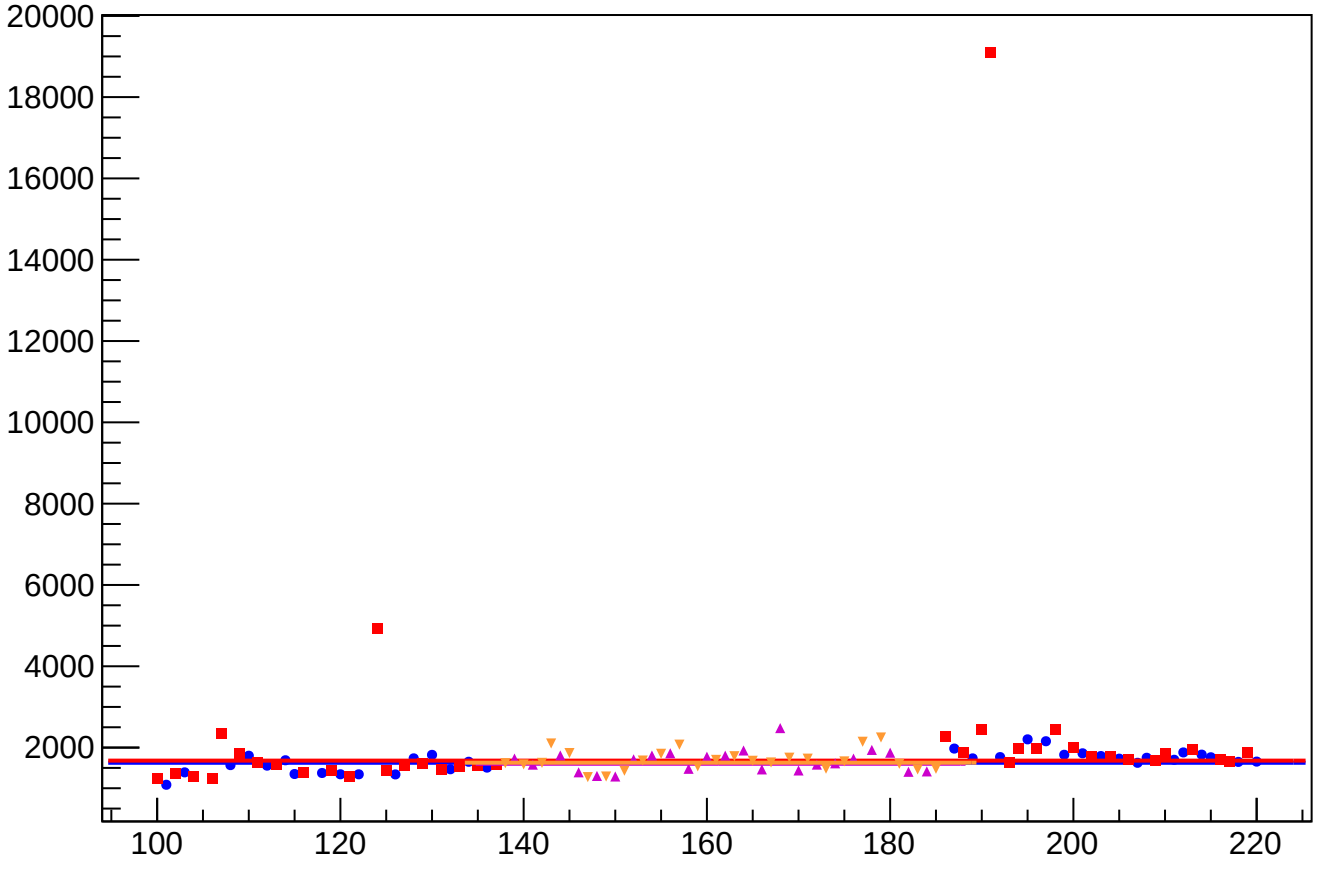
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2035.878+/-259.576 χ^2/NDF: 60.2/57

All: -22.122+/-185.335 χ^2/NDF: 251.7/117

- sign -2162.266+/-264.706 χ^2/NDF: 63.3/59

asym_us_agg_avg_rms vs Slug



Right In: 1626.365+/-0.254 χ^2/NDF: 946434.3/32

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1679.366+/-0.262 χ^2/NDF: 1442148.9/36

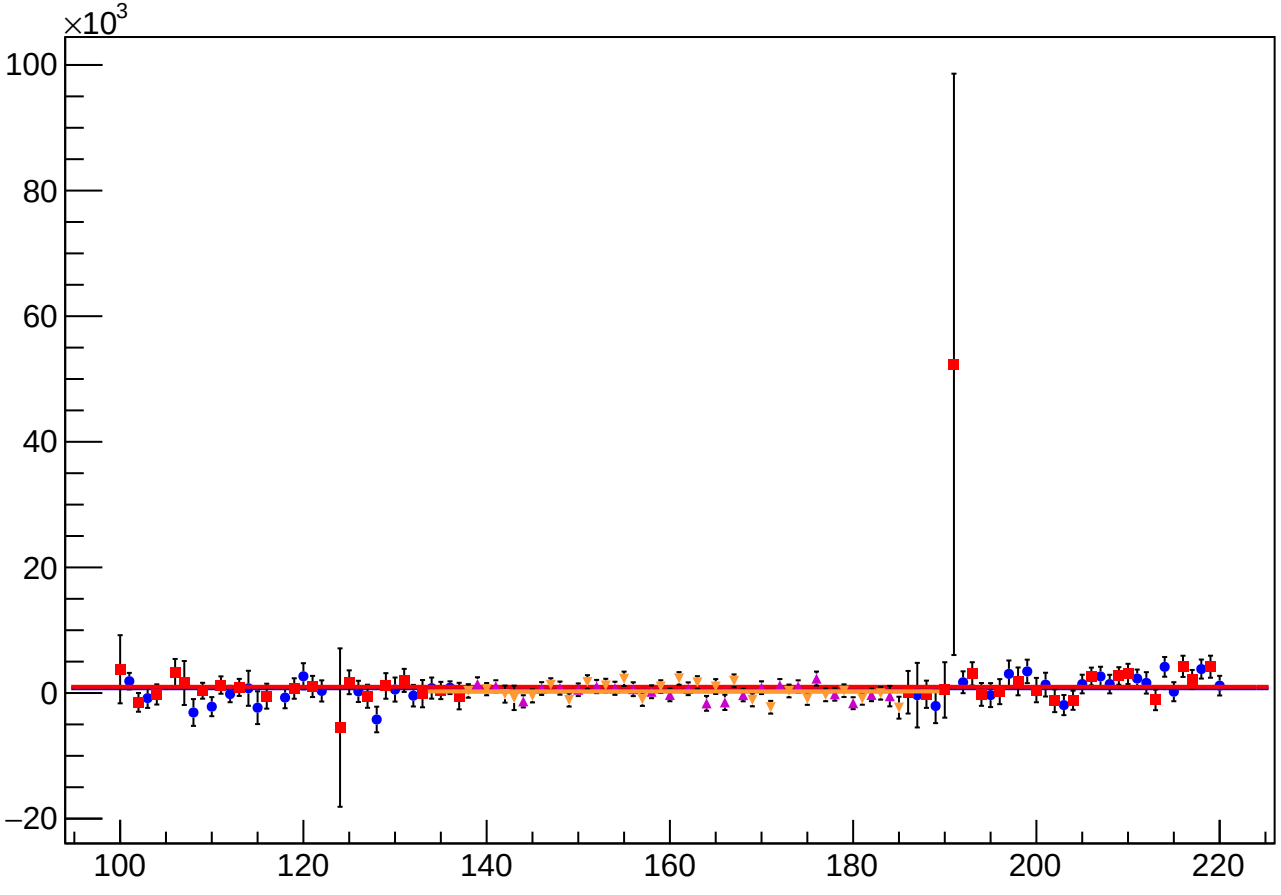
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1627.376+/-0.184 χ^2/NDF: 1725562.1/57

All: 1634.247+/-0.131 χ^2/NDF: 4007534.7/11

- sign 1641.391+/-0.187 χ^2/NDF: 2279114.8/59

asym_us_agg_dd_mean vs Slug



Right In: 761.534+/-291.665 χ^2/NDF: 39.0/32

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 991.119+/-299.030 χ^2/NDF: 28.7/36

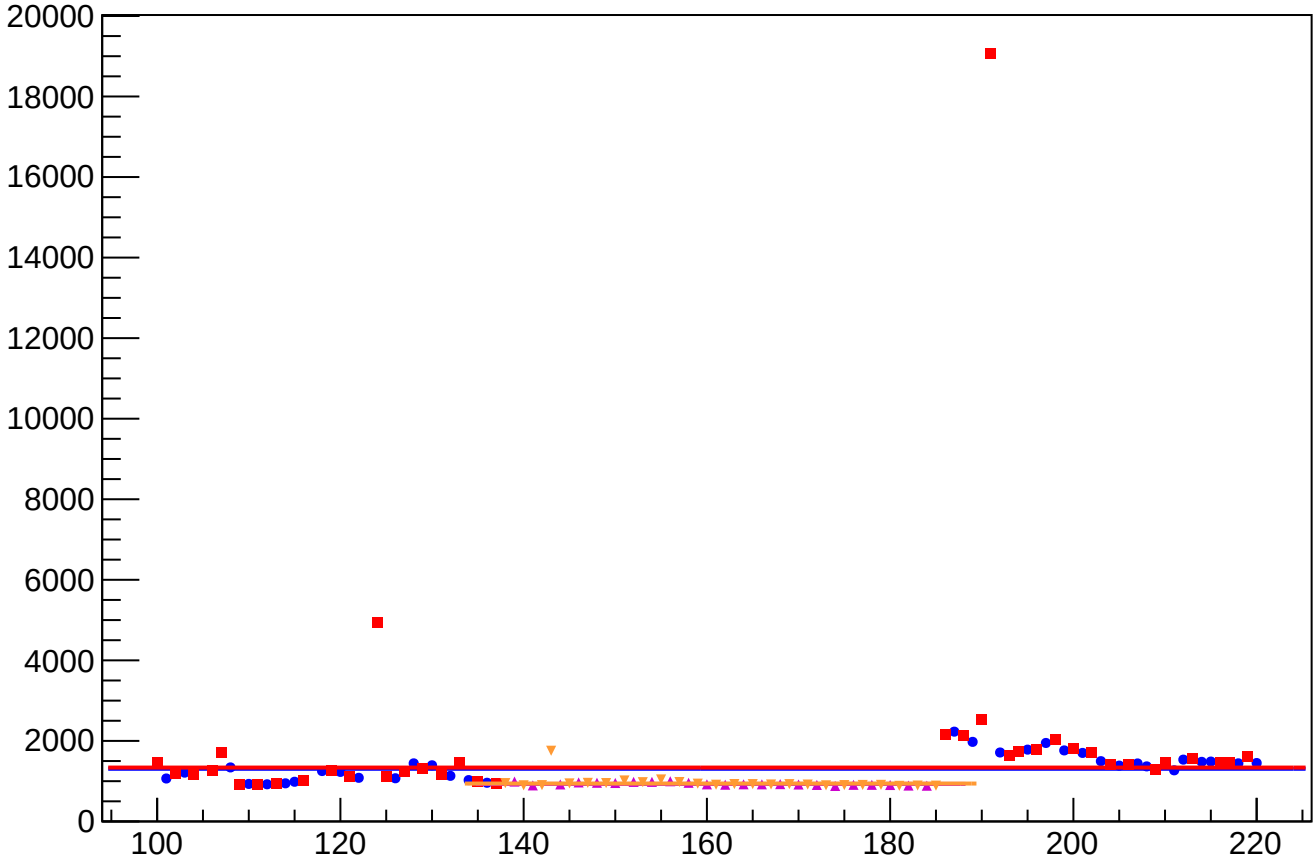
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 438.081+/-173.042 χ^2/NDF: 74.8/57

All: 477.296+/-123.389 χ^2/NDF: 128.8/117

- sign 517.859+/-175.991 χ^2/NDF: 53.9/59

asym_us_agg_dd_rms vs Slug



Right In: 1307.578+/-0.206 χ^2/NDF: 1812518.0/32

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1338.050+/-0.211 χ^2/NDF: 2773946.0/36

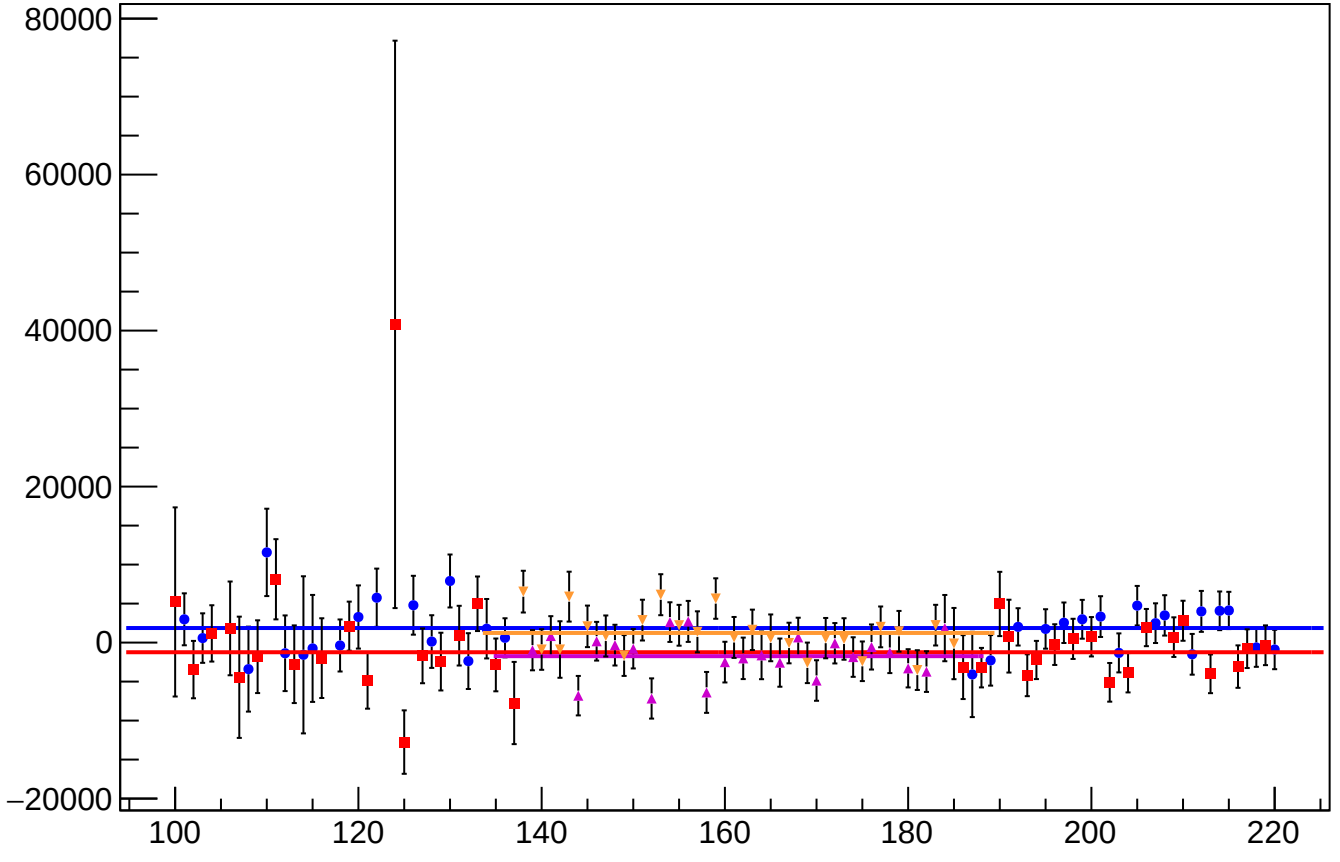
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1070.042+/-0.122 χ^2/NDF: 4277347.4/57

All: 1071.182+/-0.087 χ^2/NDF: 9515968.8/11

- sign 1072.362+/-0.124 χ^2/NDF: 5238444.8/59

reg_asym_atl1_mean vs Slug



Right In: 1866.544+/-528.031 χ^2/NDF: 25.2/32

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1237.681+/-532.494 χ^2/NDF: 37.8/36

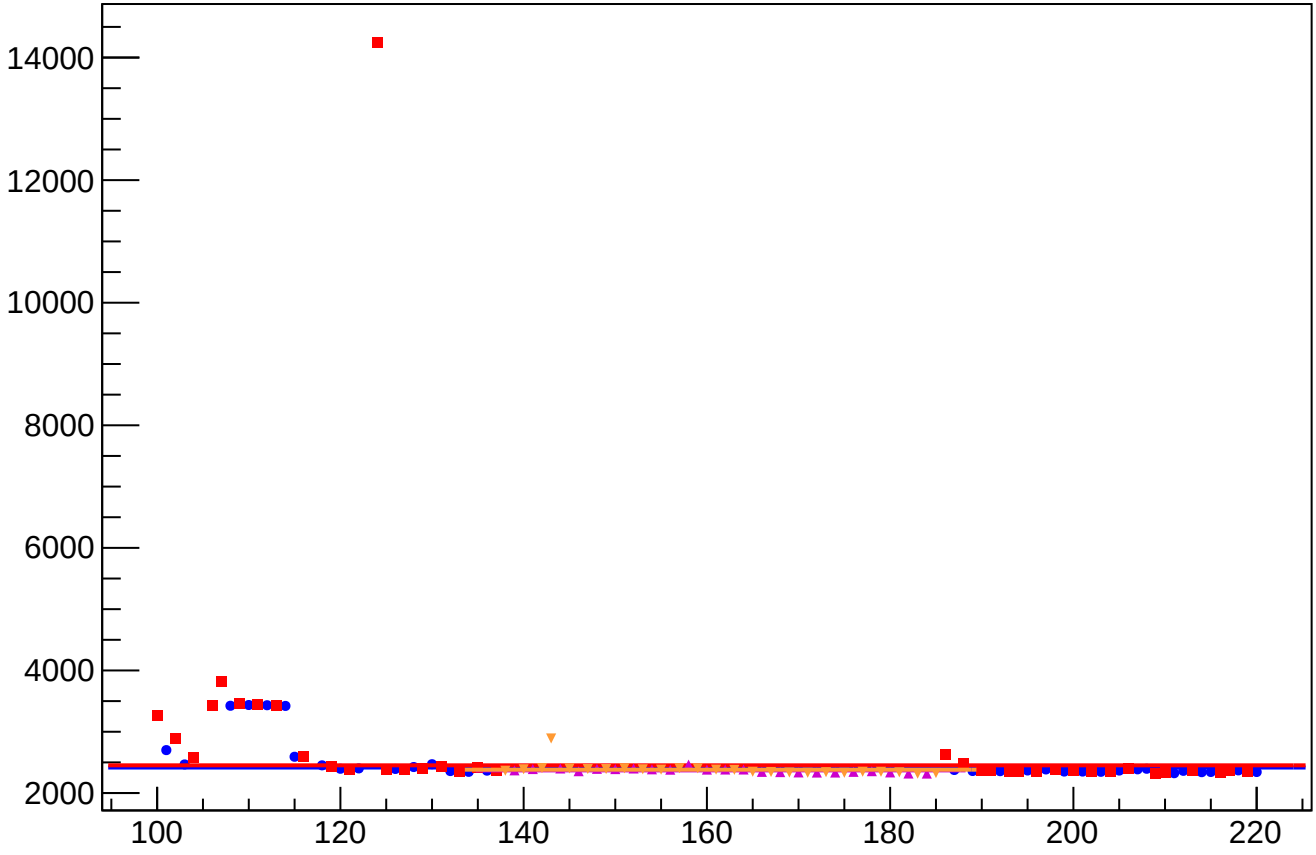
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1558.469+/-377.975 χ^2/NDF: 49.8/57

All: 61.876+/-269.256 χ^2/NDF: 144.3/117

- sign -1480.072+/-383.660 χ^2/NDF: 62.6/59

reg_asym_atl1_rms vs Slug



Right In: 2416.270+/-0.373 χ^2/NDF: 279554.6/32

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2452.166+/-0.377 χ^2/NDF: 660376.1/36

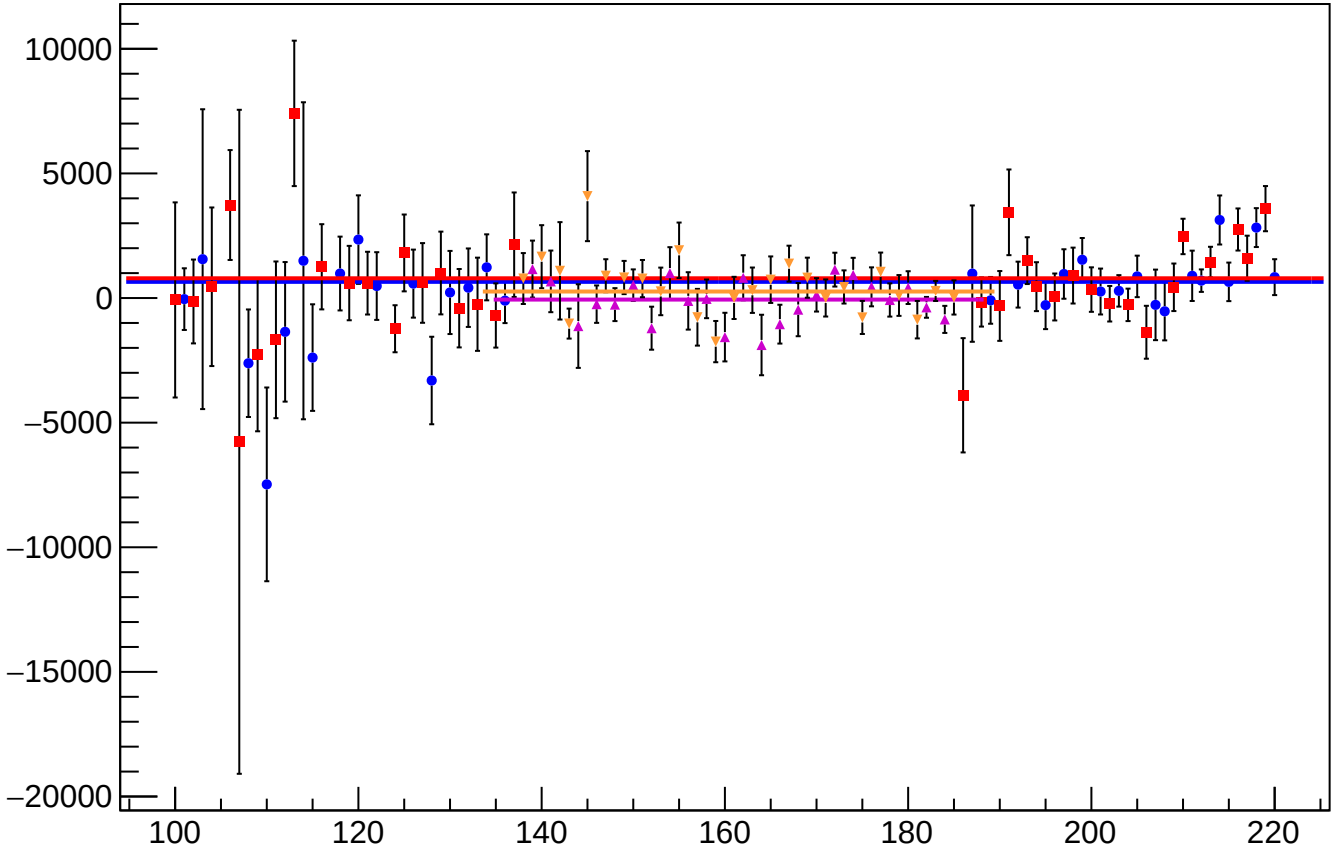
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2399.187+/-0.267 χ^2/NDF: 341470.8/57

All: 2405.674+/-0.190 χ^2/NDF: 1033320.7/11

- sign 2412.357+/-0.271 χ^2/NDF: 690653.9/59

asym_atl1_reg_correction_mean vs Slug



Right In: 649.738+/-181.171 χ^2/NDF: 35.6/32

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 792.431+/-187.308 χ^2/NDF: 58.1/36

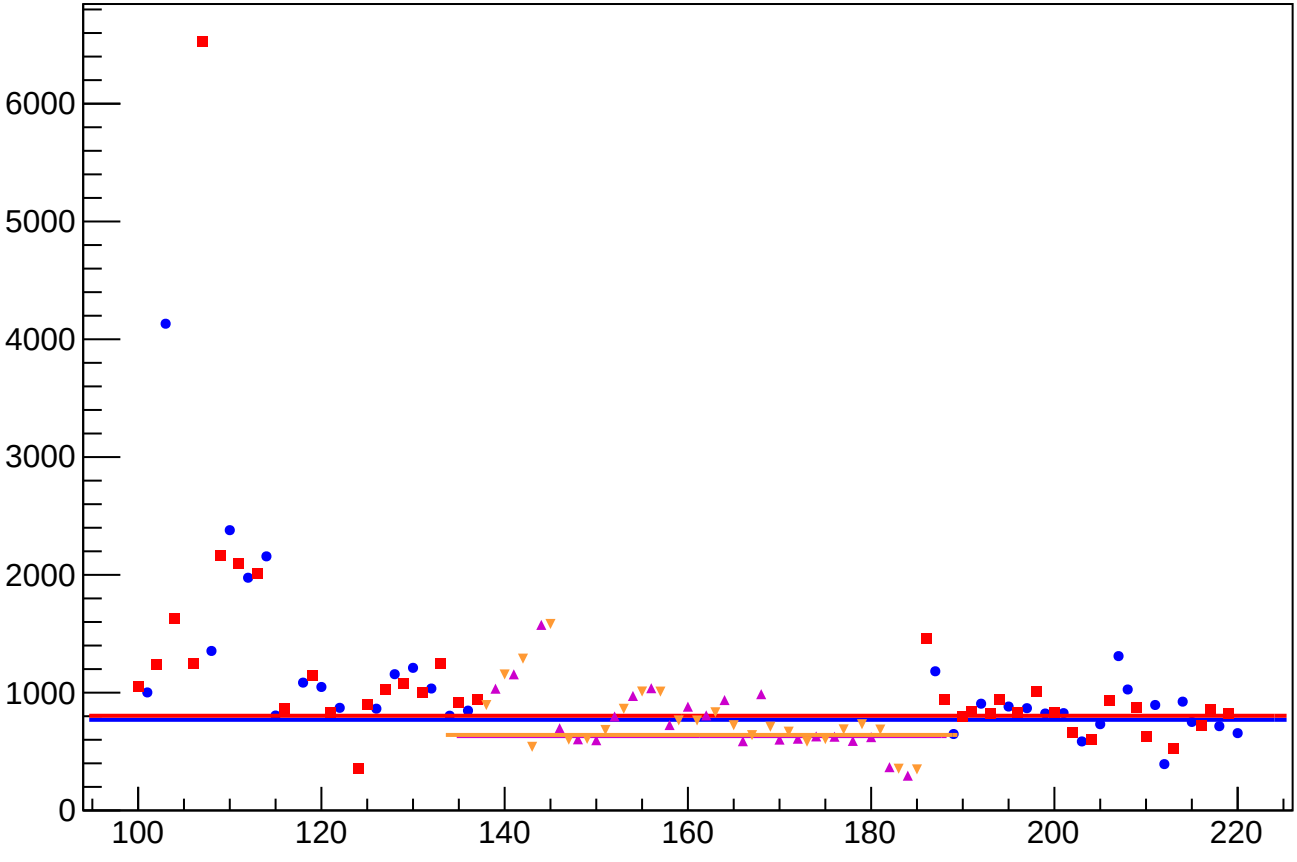
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

\+ sign 424.581+/-117.341 χ^2/NDF: 69.4/57

All: 359.878+/-84.067 χ^2/NDF: 162.3/117

\- sign 291.644+/-120.500 χ^2/NDF: 92.3/59

asym_atl1_reg_correction_rms vs Slug



Right In: 769.478+/-0.128 χ^2/NDF: 4402453.7/32

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 803.960+/-0.132 χ^2/NDF: 3810557.9/36

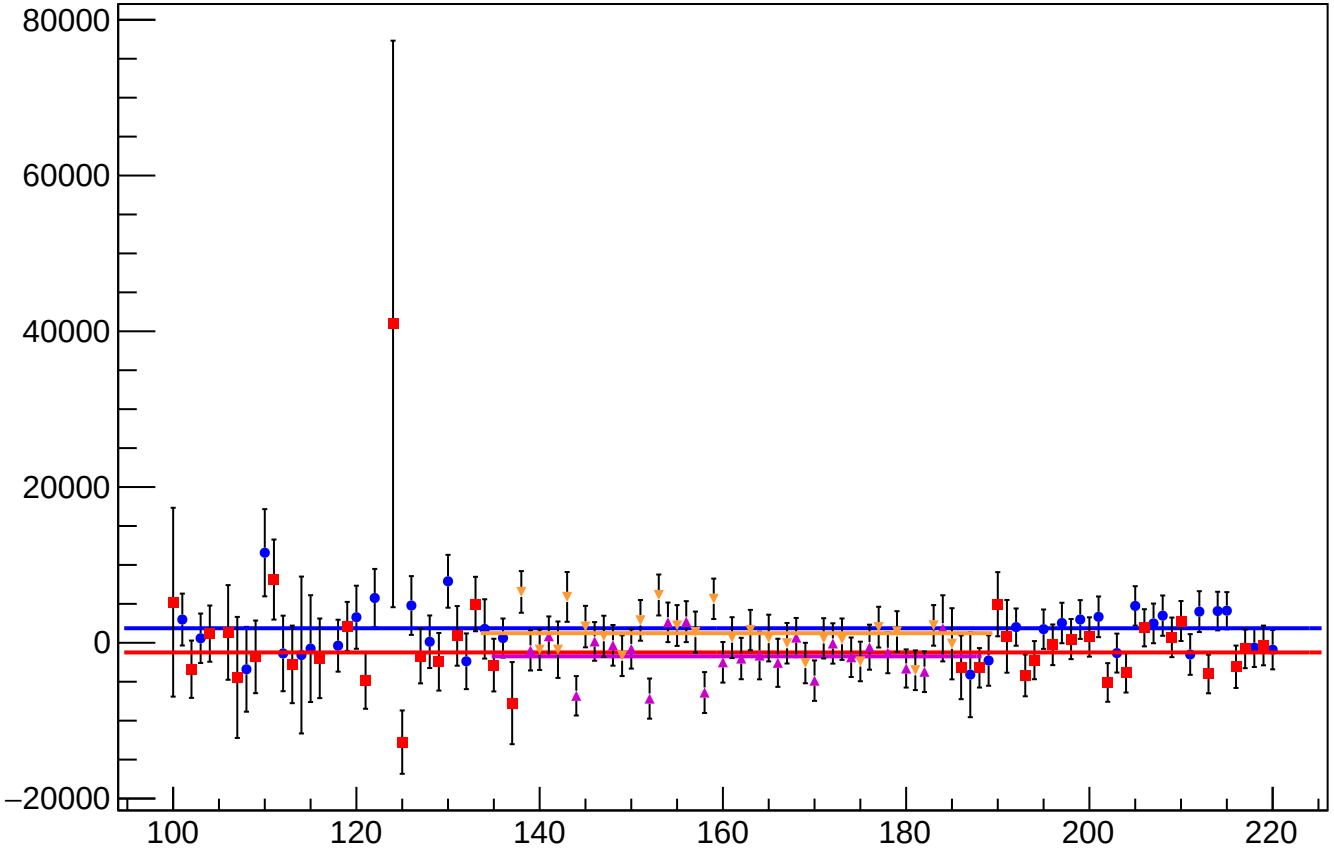
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 694.986+/-0.083 χ^2/NDF: 8459764.9/57

All: 698.740+/-0.059 χ^2/NDF: 17247226.7/11

- sign 702.699+/-0.085 χ^2/NDF: 8783256.6/59

cor_asym_atl1_mean vs Slug



Right In: 1866.726+/-528.031 χ^2/NDF: 25.2/32

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1240.477+/-532.542 χ^2/NDF: 37.7/36

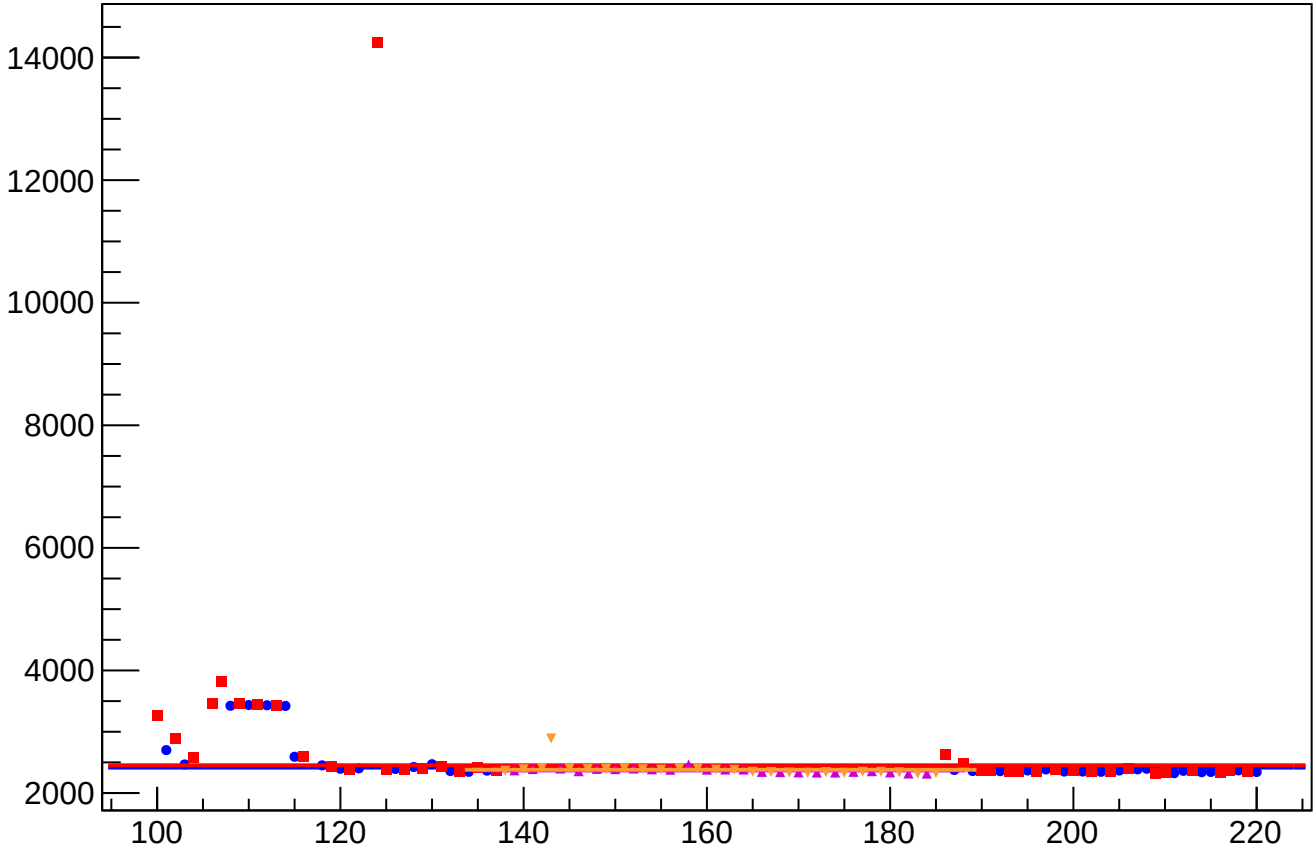
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1558.551+/-377.975 χ^2/NDF: 49.8/57

All: 61.250+/-269.262 χ^2/NDF: 144.2/117

- sign -1481.571+/-383.677 χ^2/NDF: 62.5/59

cor_asym_atl1_rms vs Slug



Right In: 2416.270+/-0.373 χ^2/NDF: 279554.6/32

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2452.293+/-0.377 χ^2/NDF: 663354.5/36

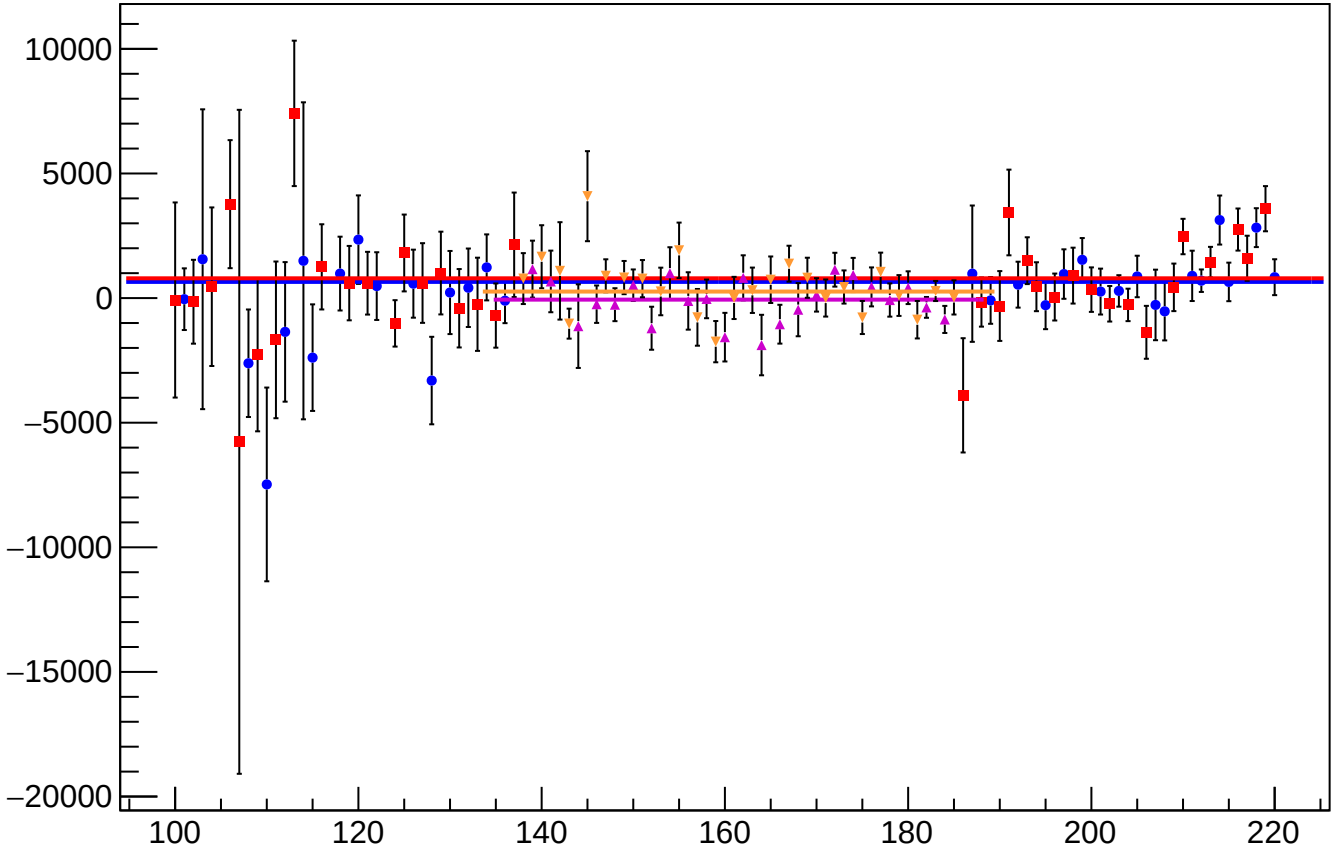
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2399.187+/-0.267 χ^2/NDF: 341470.8/57

All: 2405.704+/-0.190 χ^2/NDF: 1036380.4/11

- sign 2412.420+/-0.271 χ^2/NDF: 693702.2/59

asym_atl1_cor_correction_mean vs Slug



Right In: 649.697+/-181.172 χ^2/NDF: 35.6/32

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 793.483+/-187.385 χ^2/NDF: 56.8/36

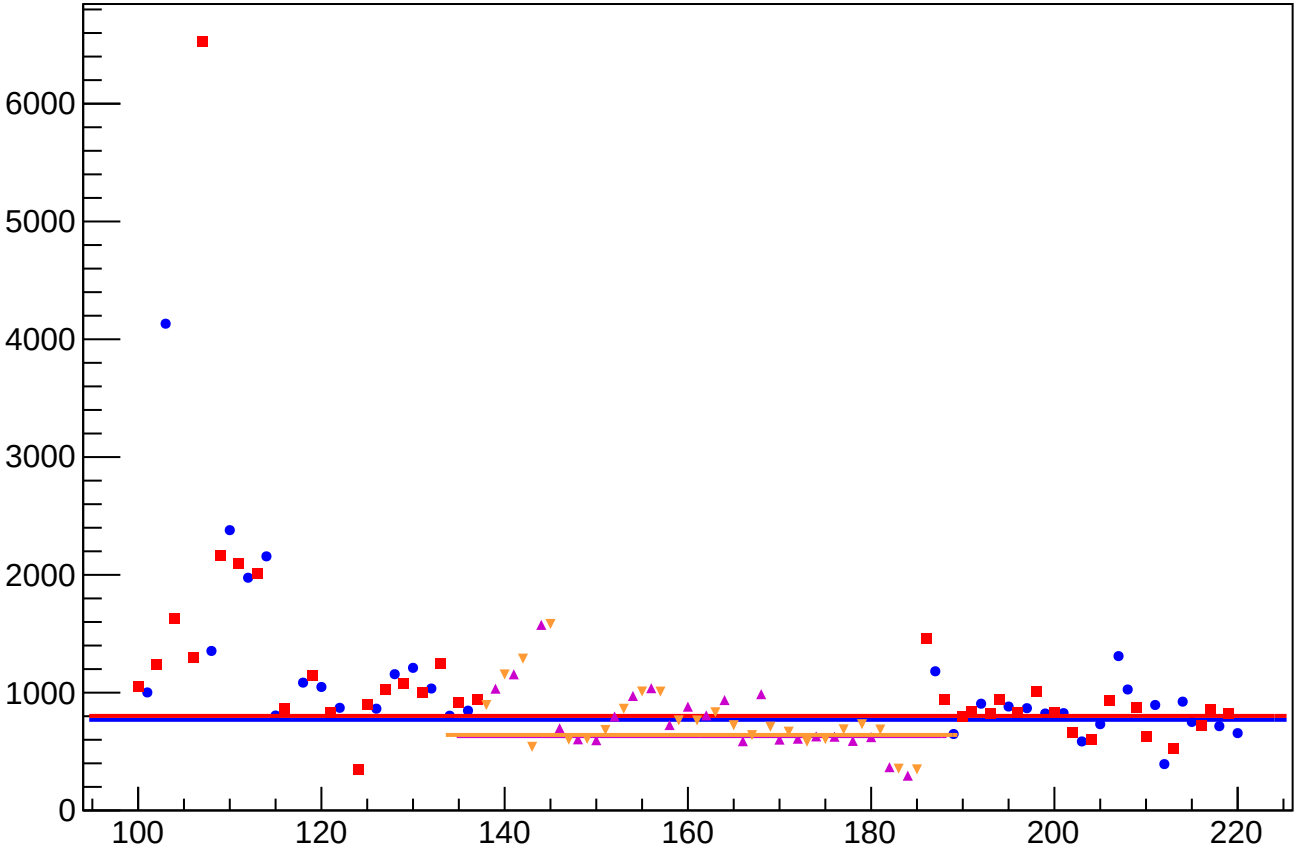
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 424.730+/-117.343 χ^2/NDF: 69.4/57

All: 360.087+/-84.075 χ^2/NDF: 161.1/117

- sign 291.896+/-120.520 χ^2/NDF: 91.0/59

asym_atl1_cor_correction_rms vs Slug



Right In: 769.488+/-0.128 χ^2/NDF: 4402063.4/32

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 802.704+/-0.133 χ^2/NDF: 3824606.8/36

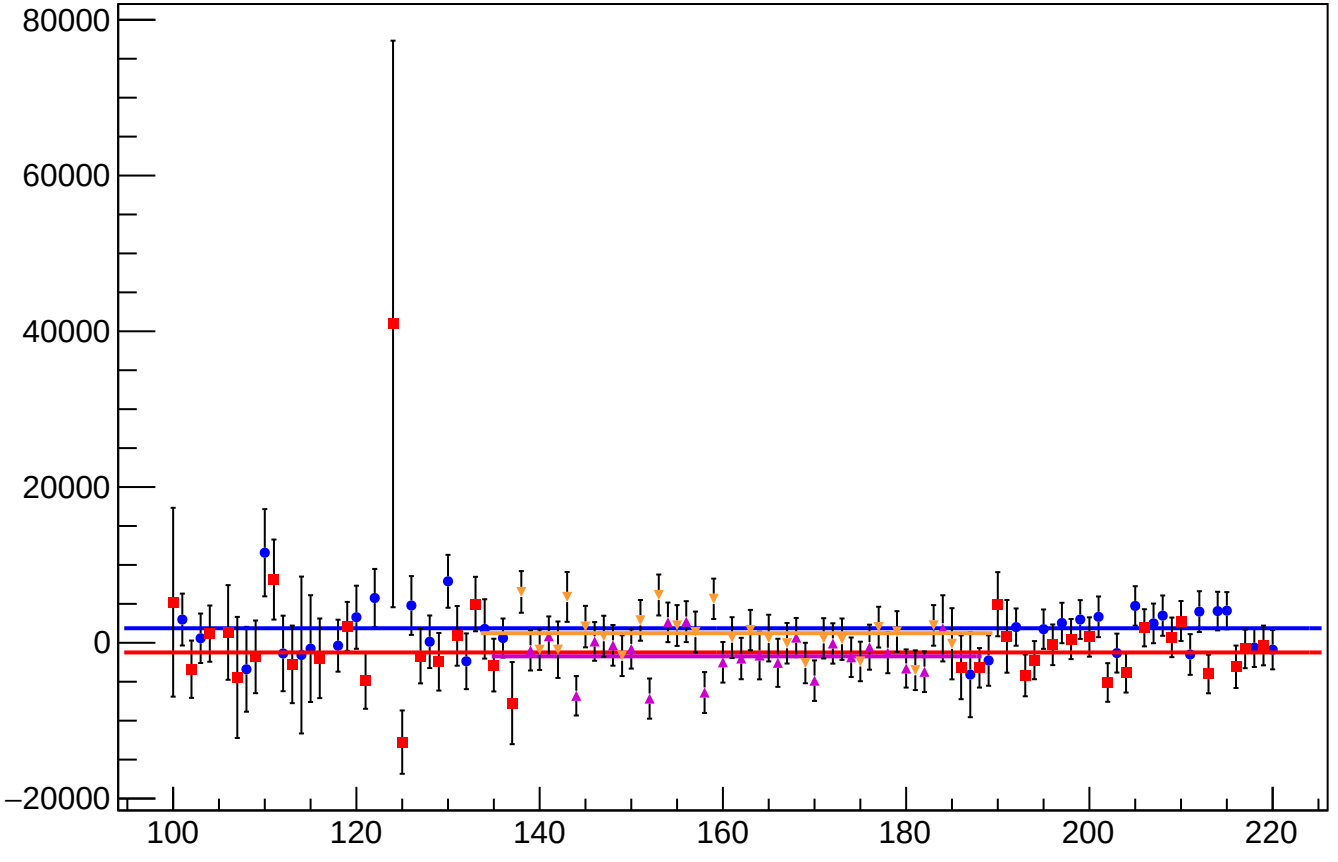
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 694.998+/-0.083 χ^2/NDF: 8459063.7/57

All: 698.475+/-0.059 χ^2/NDF: 17245203.6/11

- sign 702.143+/-0.085 χ^2/NDF: 8782532.2/59

eigen_cor_asym_atl1_mean vs Slug



Right In: 1866.726+/-528.031 χ^2/NDF: 25.2/32

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1240.477+/-532.542 χ^2/NDF: 37.7/36

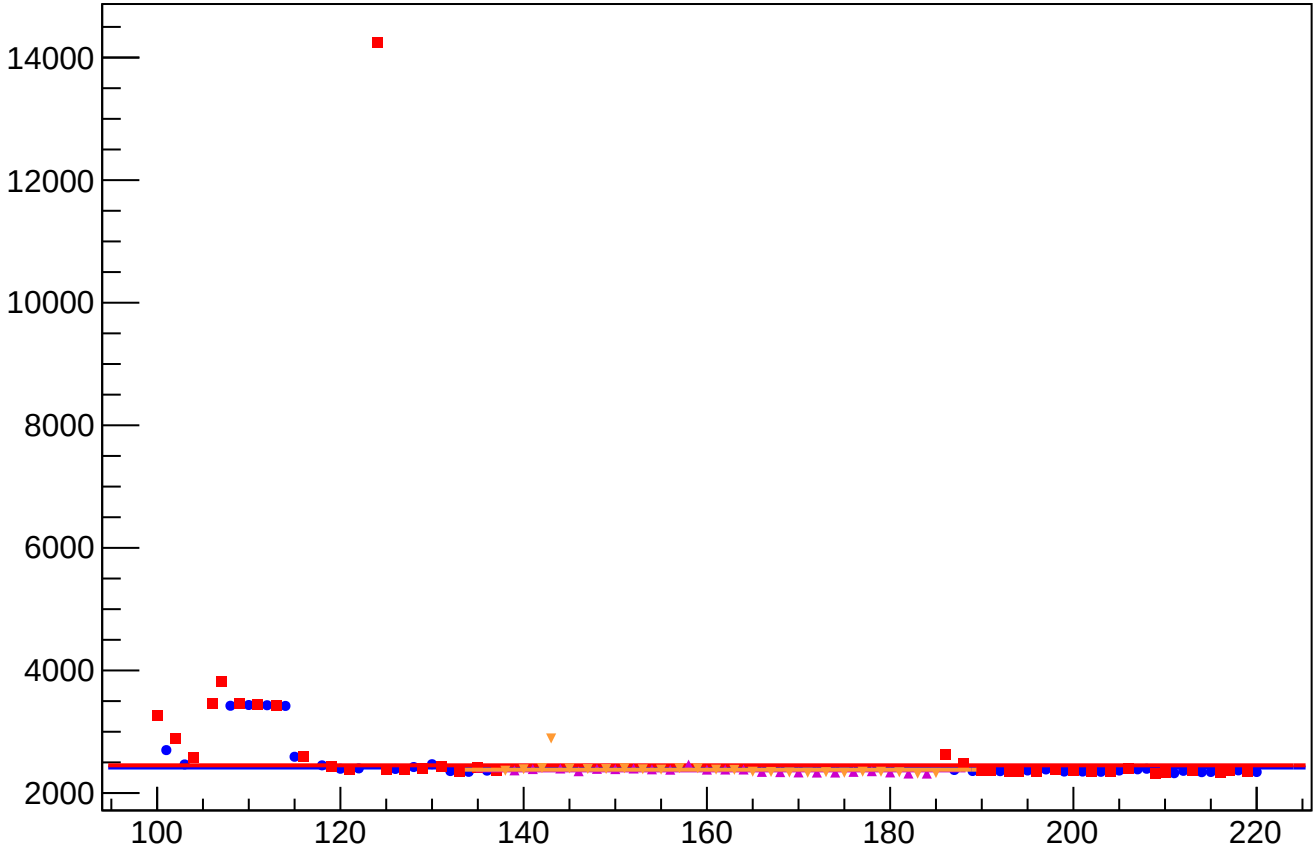
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1558.551+/-377.975 χ^2/NDF: 49.8/57

All: 61.250+/-269.262 χ^2/NDF: 144.2/117

- sign -1481.571+/-383.677 χ^2/NDF: 62.5/59

eigen_cor_asym_atl1_rms vs Slug



Right In: 2416.270+/-0.373 χ^2/NDF: 279554.6/32

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2452.293+/-0.377 χ^2/NDF: 663354.5/36

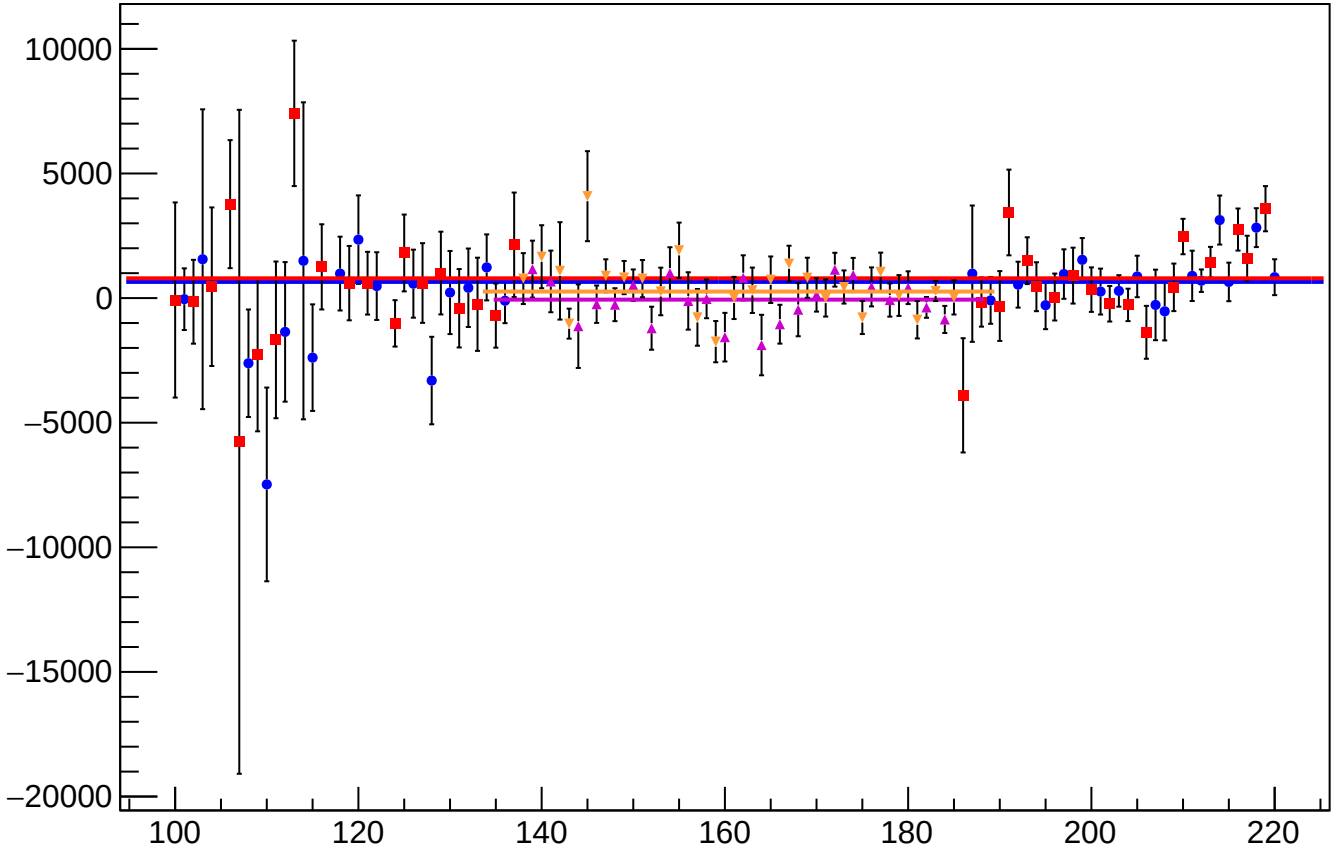
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2399.187+/-0.267 χ^2/NDF: 341470.8/57

All: 2405.704+/-0.190 χ^2/NDF: 1036380.4/11

- sign 2412.420+/-0.271 χ^2/NDF: 693702.2/59

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 649.697+/-181.172 χ^2/NDF: 35.6/32

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 793.483+/-187.385 χ^2/NDF: 56.8/36

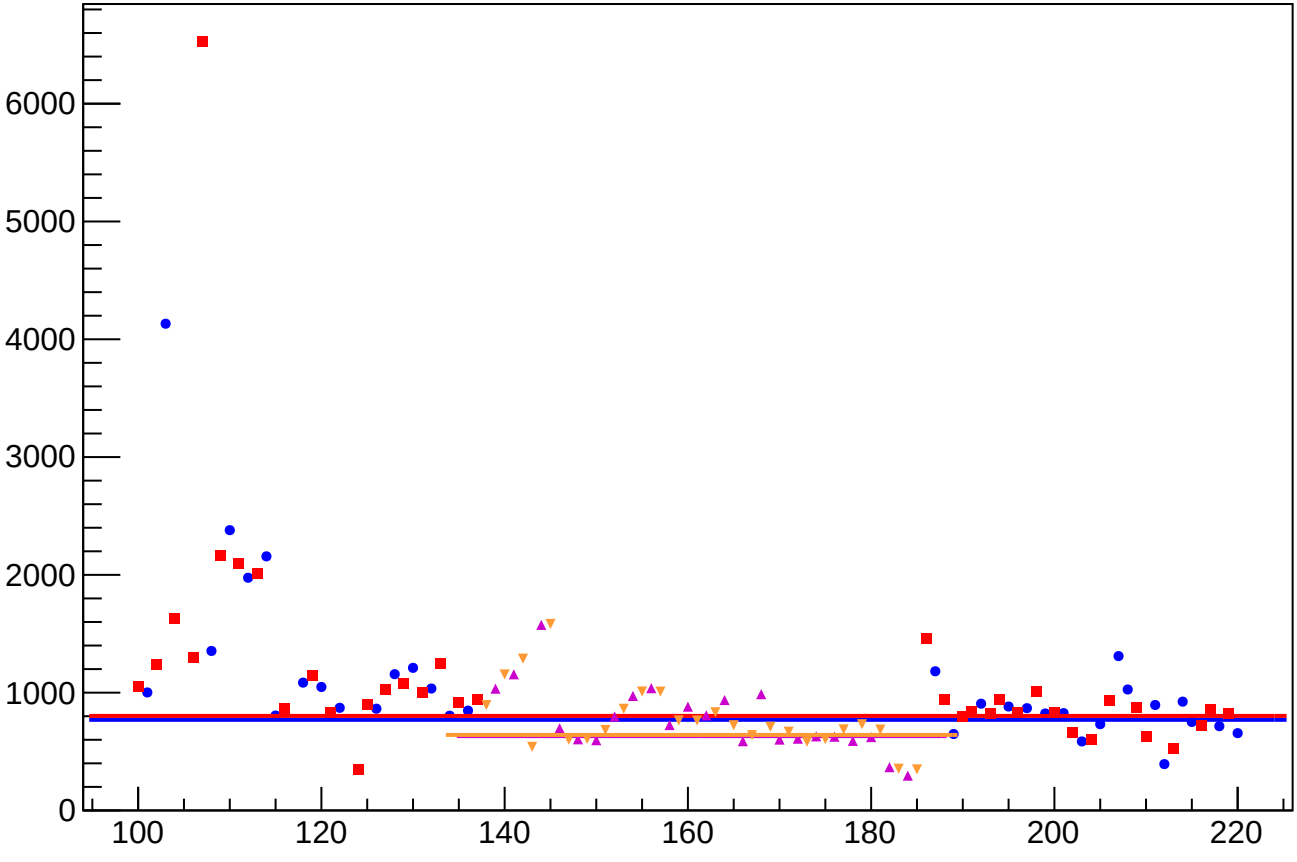
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 424.730+/-117.343 χ^2/NDF: 69.4/57

All: 360.087+/-84.075 χ^2/NDF: 161.1/117

- sign 291.896+/-120.520 χ^2/NDF: 91.0/59

asym_atl1_eigen_cor_correction_rms vs Slug



Right In: 769.488+/-0.128 χ^2/NDF: 4402063.4/32

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

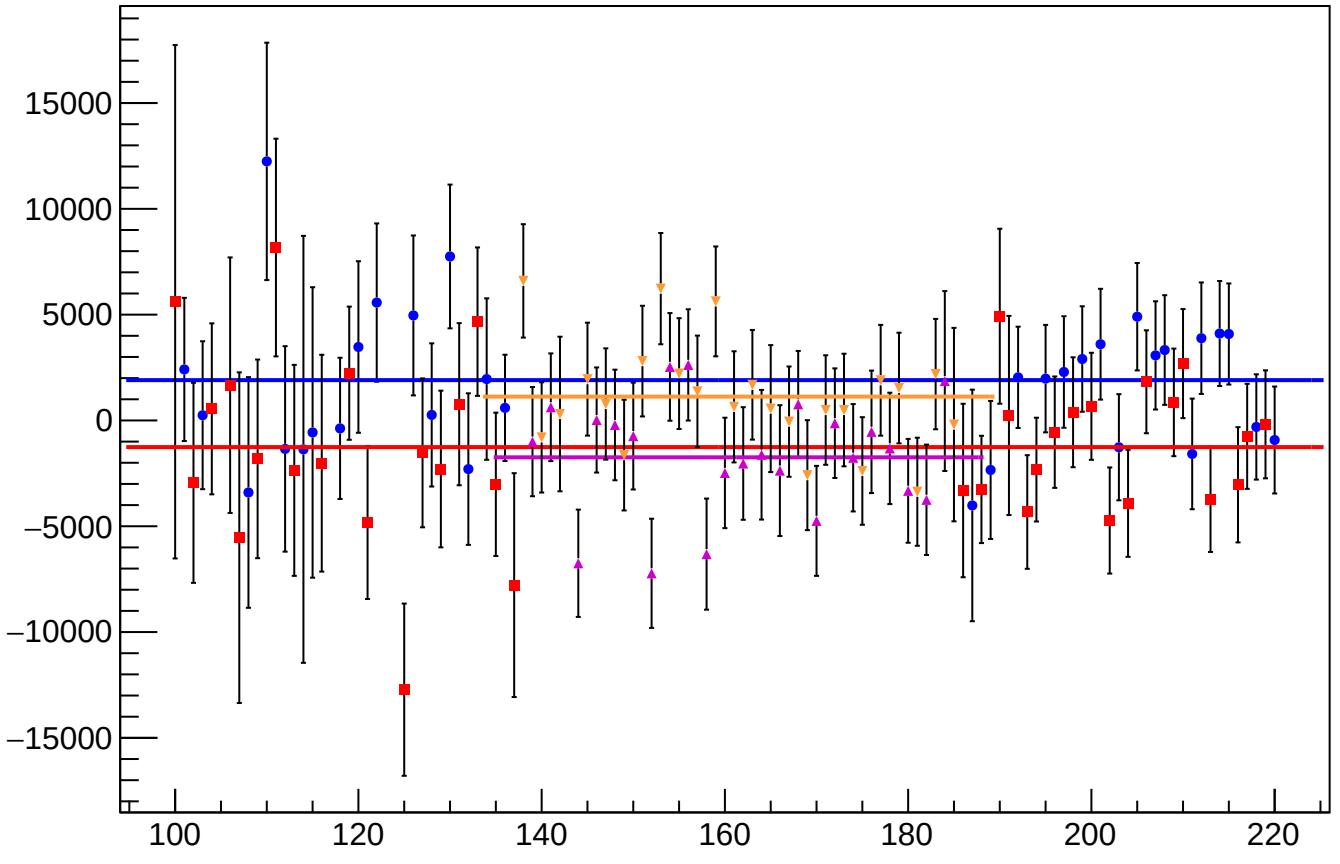
Right Out: 802.704+/-0.133 χ^2/NDF: 3824606.8/36

Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 694.998+/-0.083 χ^2/NDF: 8459063.7/57

All: 698.475+/-0.059 χ^2/NDF: 17245203.6/11

- sign 702.143+/-0.085 χ^2/NDF: 8782532.2/59



Right In: 1905.302+/-530.729 χ^2/NDF: 25.3/32

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1259.665+/-537.825 χ^2/NDF: 34.8/35

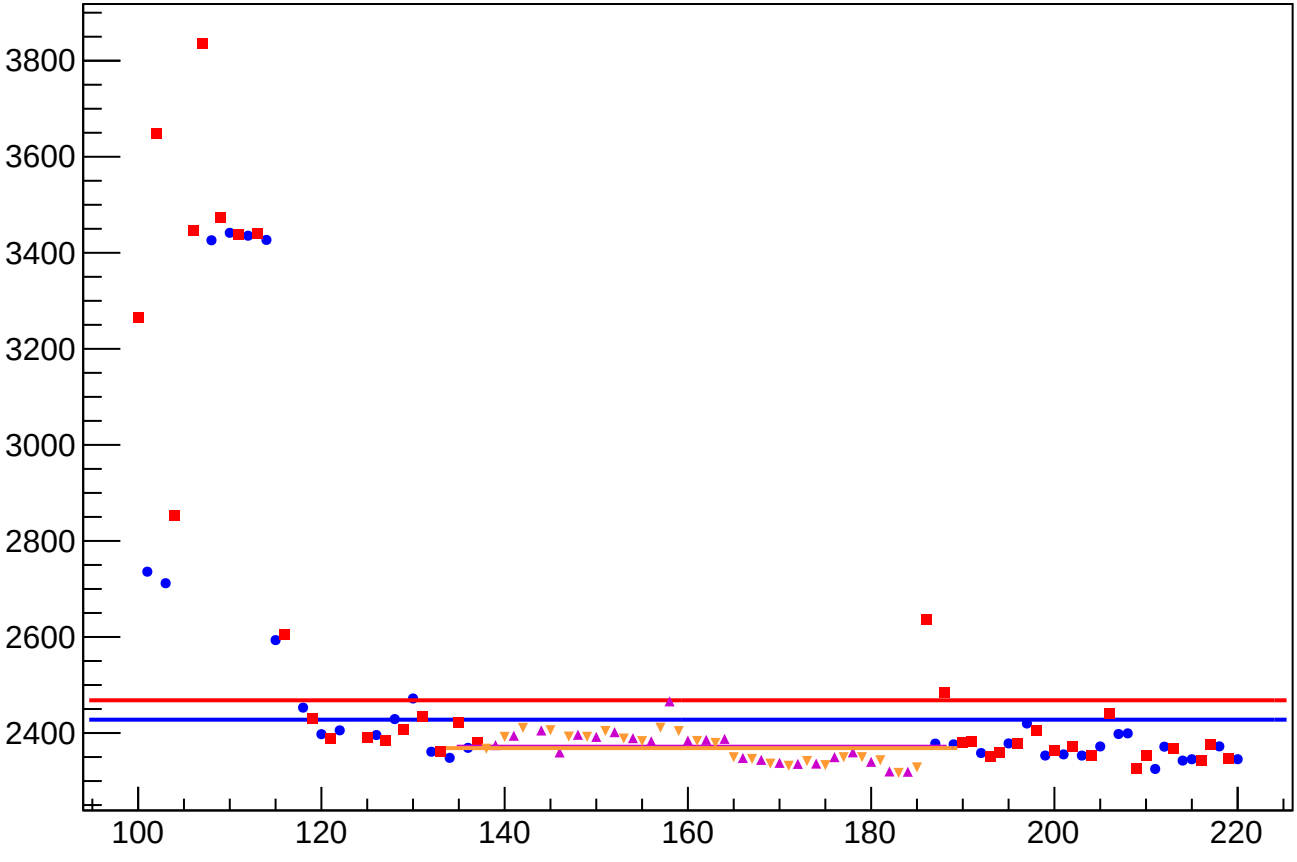
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1529.214+/-381.857 χ^2/NDF: 47.6/56

All: 33.194+/-271.400 χ^2/NDF: 137.6/115

- sign -1493.943+/-385.808 χ^2/NDF: 59.0/58

dit_asym_atl1_rms vs Slug



Right In: 2427.790+/-0.375 χ^2/NDF: 294184.6/32

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2468.156+/-0.380 χ^2/NDF: 564235.9/35

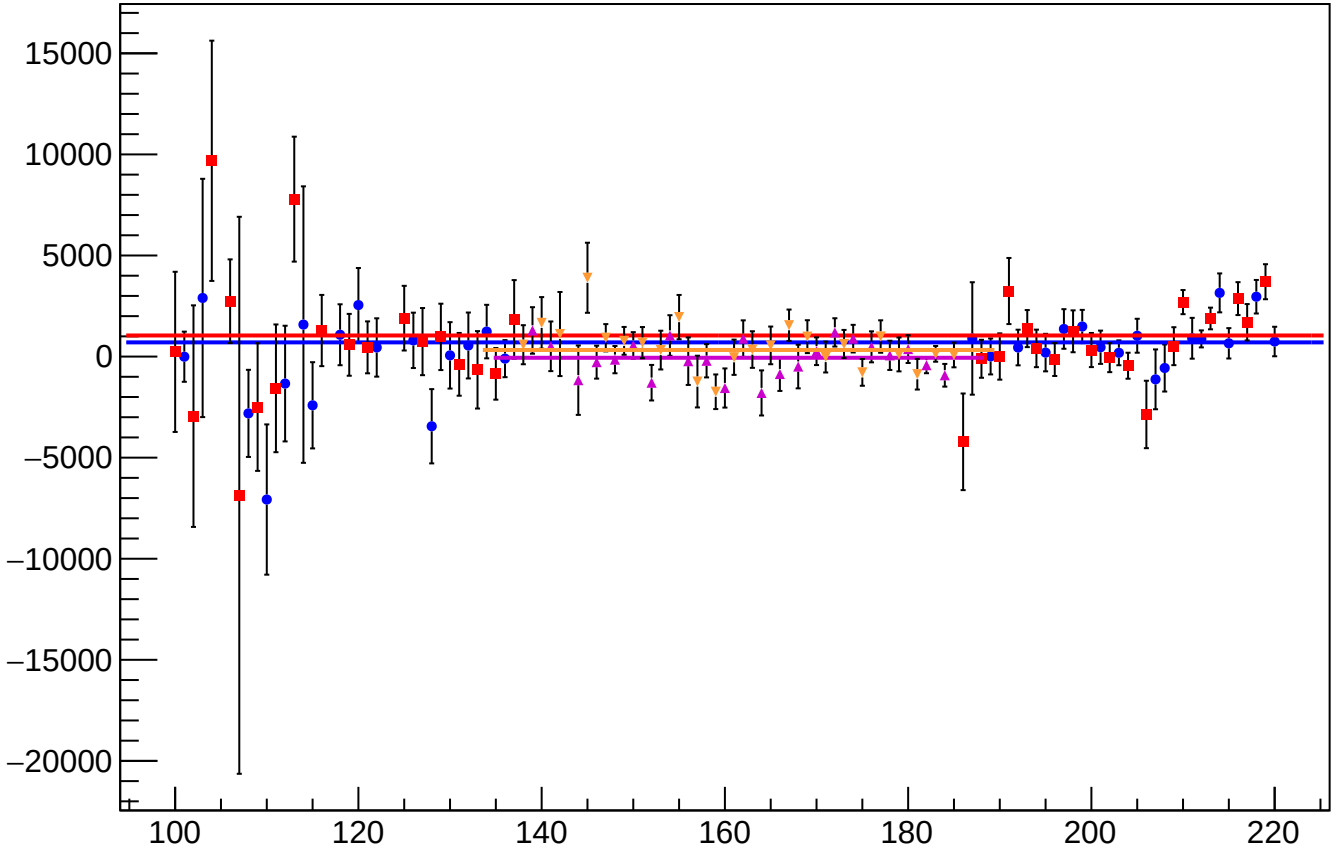
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2399.226+/-0.270 χ^2/NDF: 311766.8/56

All: 2410.123+/-0.192 χ^2/NDF: 917691.7/115

- sign 2421.247+/-0.273 χ^2/NDF: 602633.5/58

asym_atl1_dit_correction_mean vs Slug



Right In: 702.017+/-177.357 χ^2/NDF: 37.6/32

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 1043.464+/-183.893 χ^2/NDF: 66.2/35

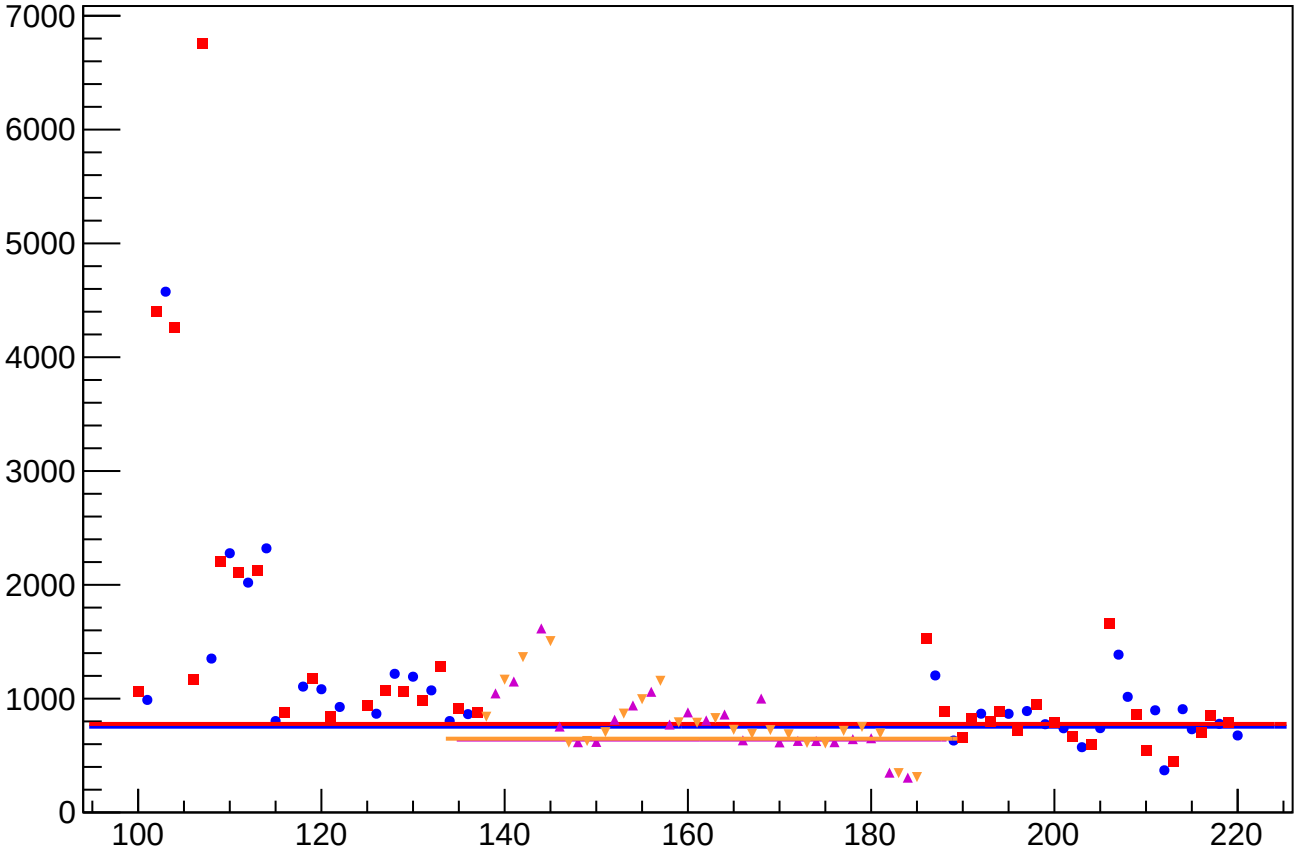
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 494.736+/-118.818 χ^2/NDF: 66.8/56

All: 455.219+/-84.628 χ^2/NDF: 176.4/115

- sign 414.531+/-120.565 χ^2/NDF: 109.4/58

asym_atl1_dit_correction_rms vs Slug



Right In: 753.613+/-0.125 χ^2/NDF: 5105863.8/32

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

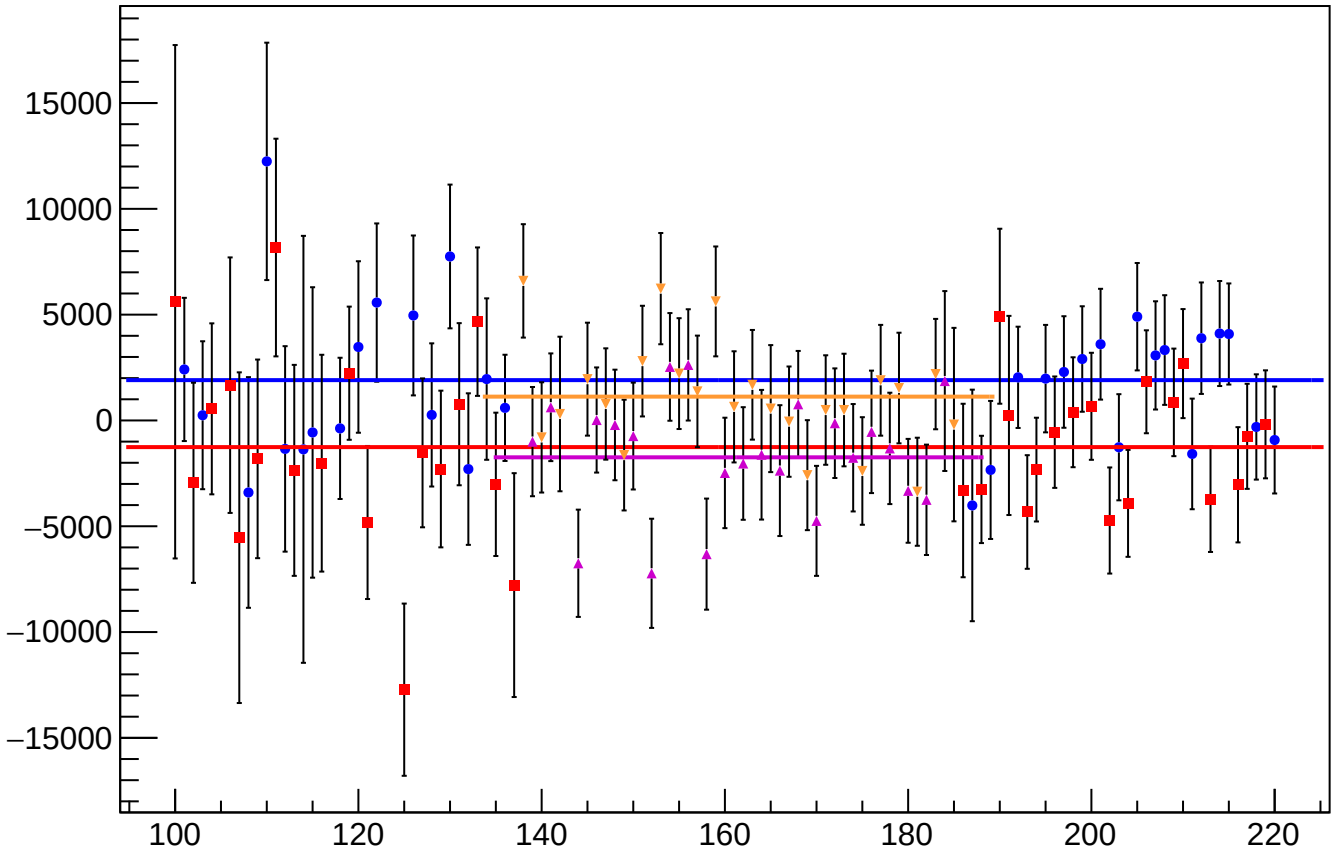
Right Out: 777.767+/-0.130 χ^2/NDF: 5896469.2/35

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 695.456+/-0.084 χ^2/NDF: 9383015.3/56

All: 697.428+/-0.060 χ^2/NDF: 20045451.5/11

- sign 699.458+/-0.085 χ^2/NDF: 10661318.1/58



Right In: 1905.299+/-530.729 χ^2/NDF: 25.3/32

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1259.666+/-537.825 χ^2/NDF: 34.8/35

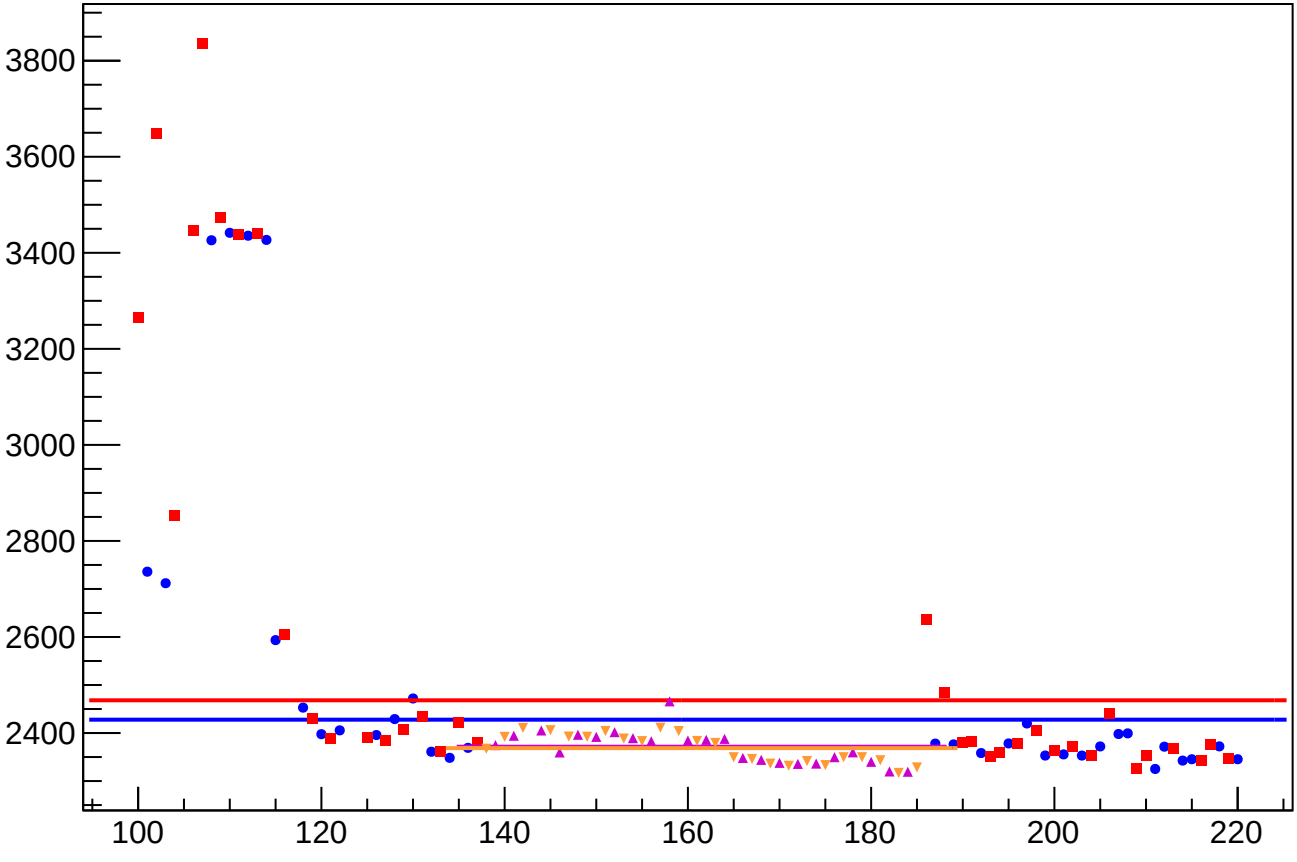
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1529.213+/-381.857 χ^2/NDF: 47.6/56

All: 33.193+/-271.400 χ^2/NDF: 137.6/115

- sign -1493.943+/-385.808 χ^2/NDF: 59.0/58

eigen_dit_asym_atl1_rms vs Slug



Right In: 2427.790+/-0.375 χ^2/NDF: 294184.1/32

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2468.156+/-0.380 χ^2/NDF: 564234.9/35

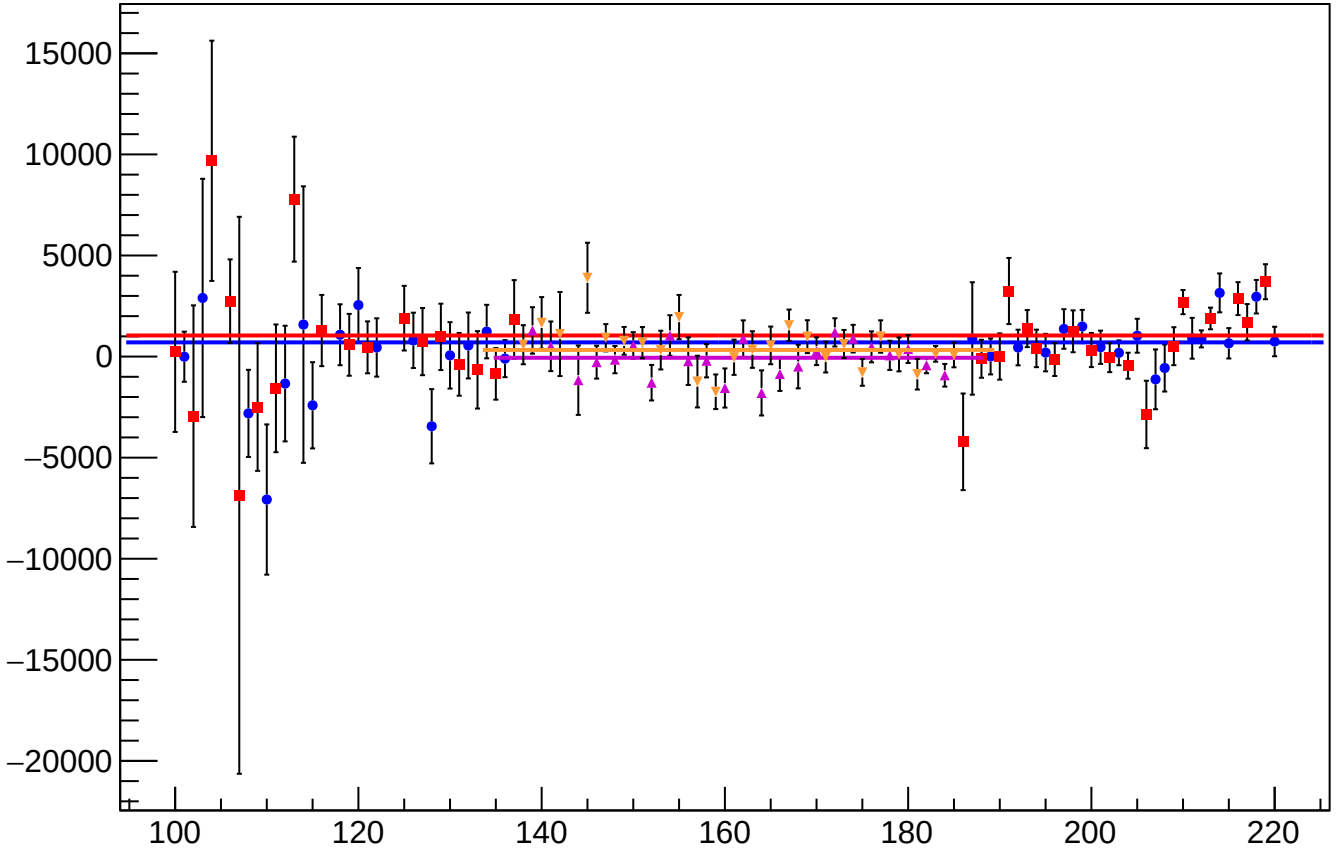
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2399.226+/-0.270 χ^2/NDF: 311766.3/56

All: 2410.123+/-0.192 χ^2/NDF: 917690.2/115

- sign 2421.247+/-0.273 χ^2/NDF: 602632.5/58

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 702.016+/-177.357 χ^2/NDF: 37.6/32

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 1043.464+/-183.893 χ^2/NDF: 66.2/35

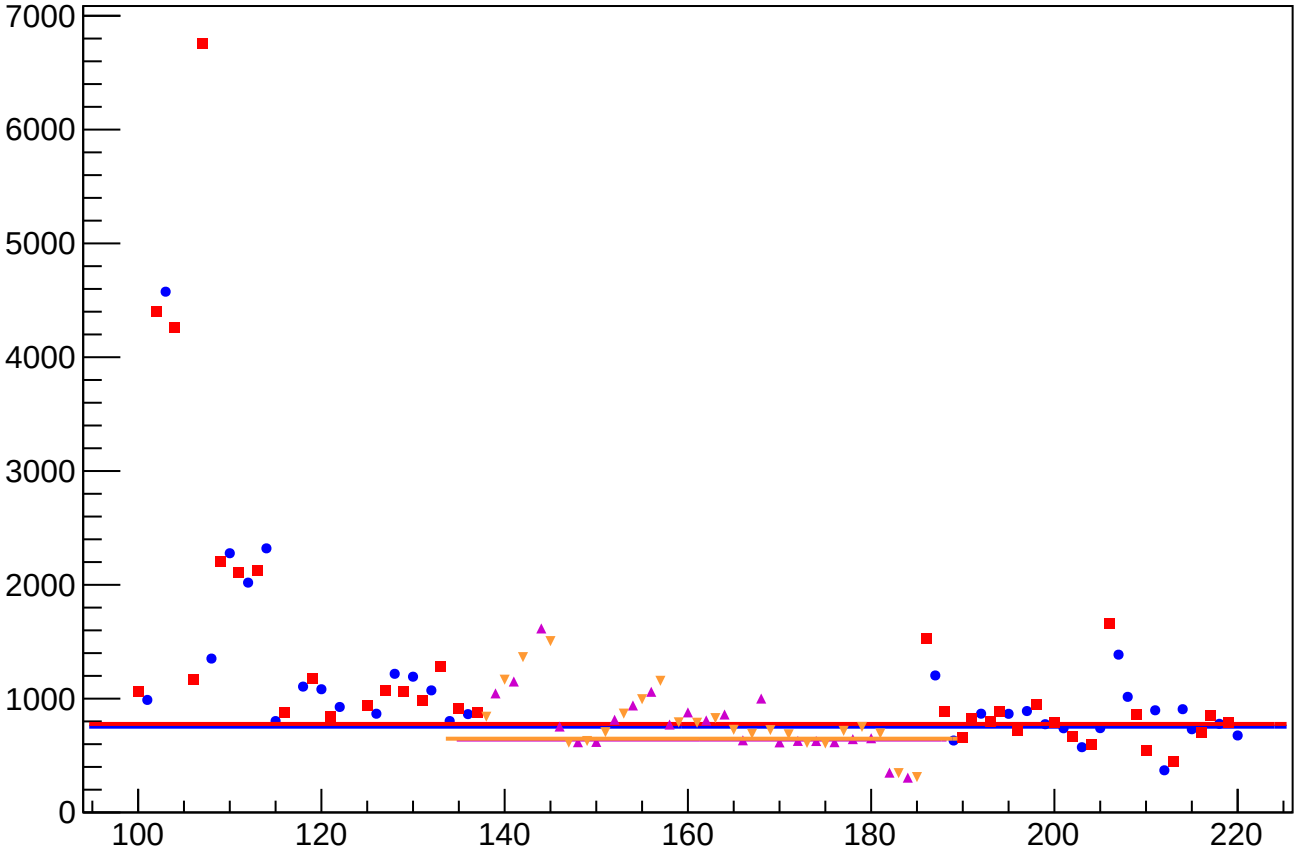
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 494.736+/-118.818 χ^2/NDF: 66.8/56

All: 455.219+/-84.628 χ^2/NDF: 176.4/115

- sign 414.532+/-120.565 χ^2/NDF: 109.4/58

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 753.613+/-0.125 χ^2/NDF: 5105871.5/32

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 777.766+/-0.130 χ^2/NDF: 5896478.7/35

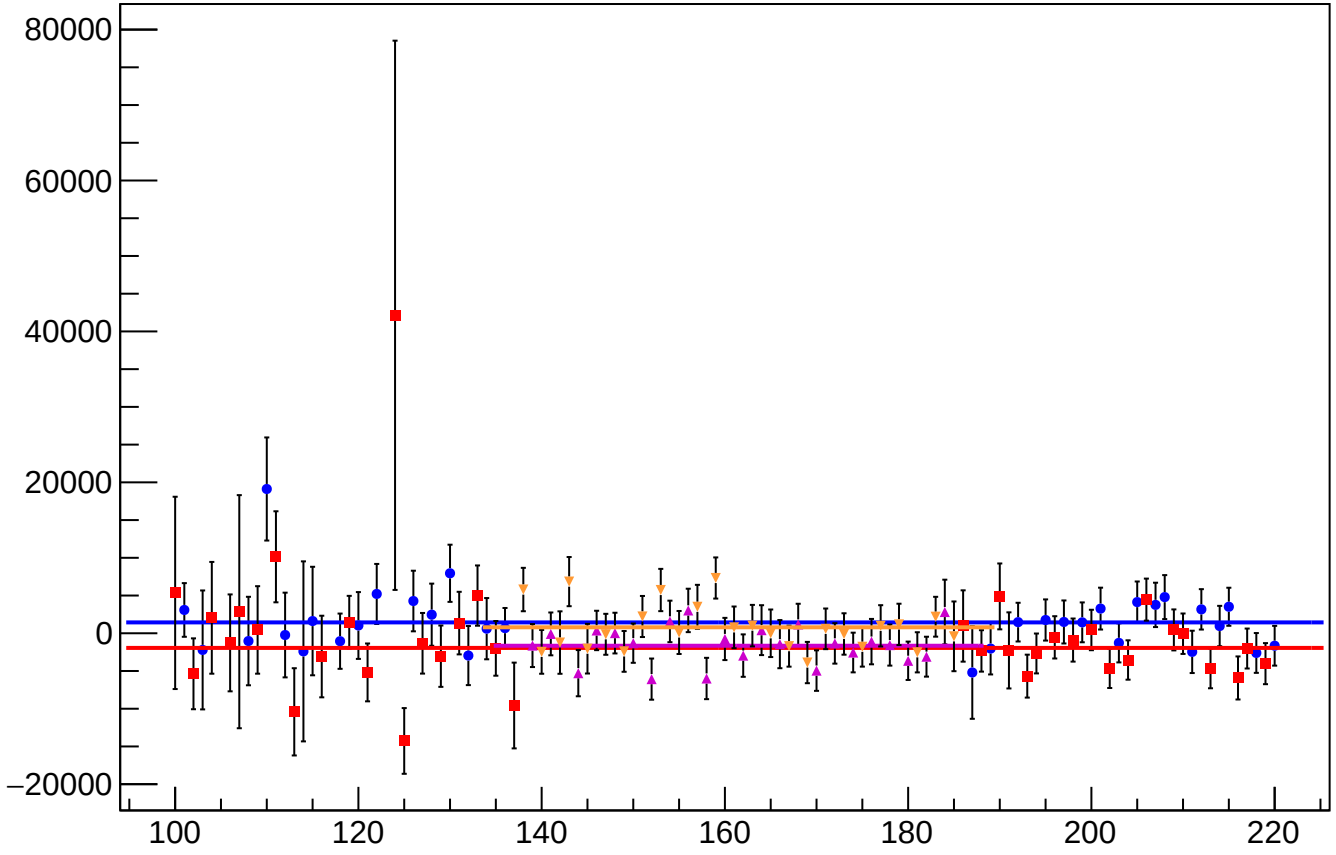
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 695.456+/-0.084 χ^2/NDF: 9383020.6/56

All: 697.428+/-0.060 χ^2/NDF: 20045468.1/11

- sign 699.459+/-0.085 χ^2/NDF: 10661329.3/58

asym_atl1_mean vs Slug



Right In: 1439.412+/-576.031 χ^2/NDF: 27.2/32

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1941.033+/-582.960 χ^2/NDF: 41.8/36

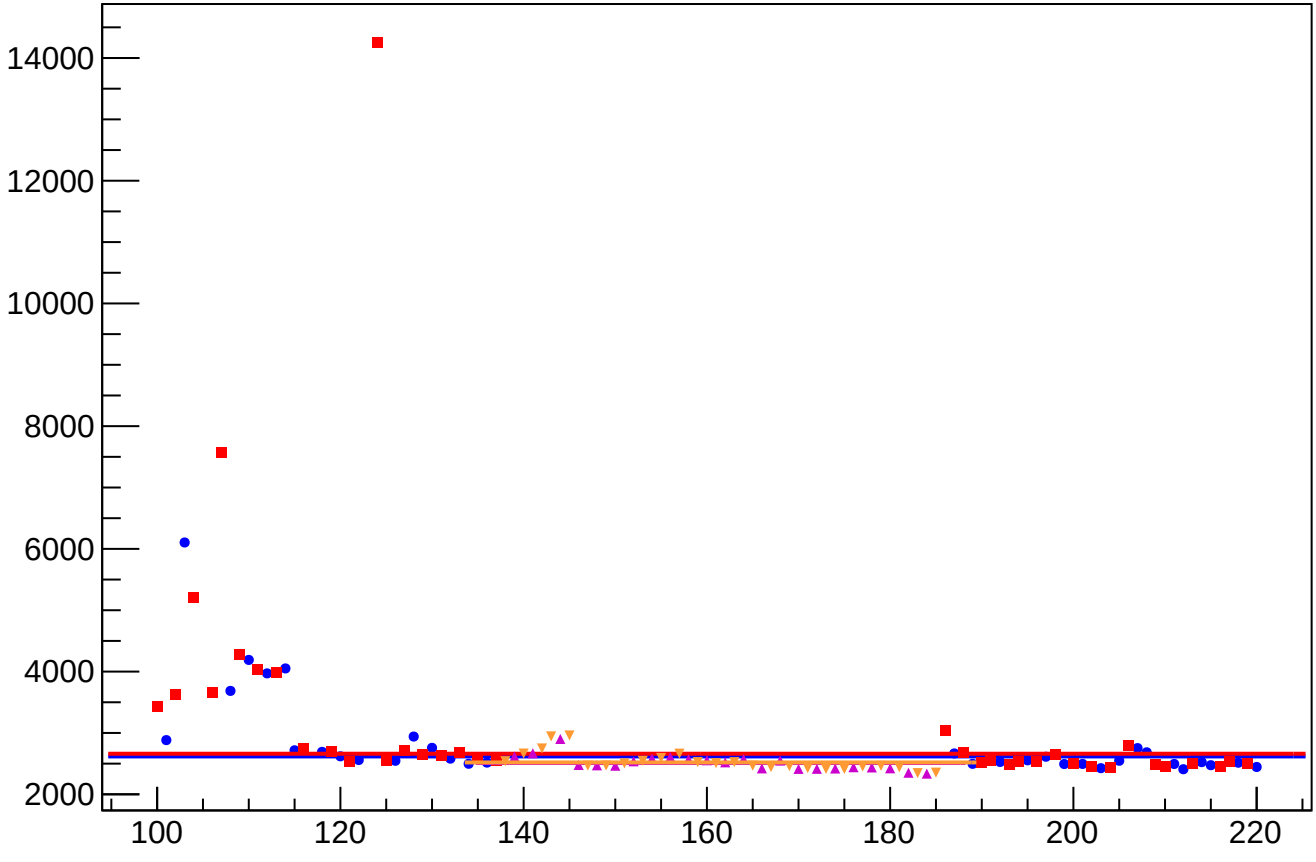
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1113.866+/-406.335 χ^2/NDF: 55.0/57

All: -316.802+/-289.841 χ^2/NDF: 139.4/117

- sign -1798.762+/-413.554 χ^2/NDF: 59.2/59

asym_atl1_rms vs Slug



Right In: 2617.399+/-0.407 χ^2/NDF: 810827.9/32

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2661.227+/-0.412 χ^2/NDF: 1273277.2/36

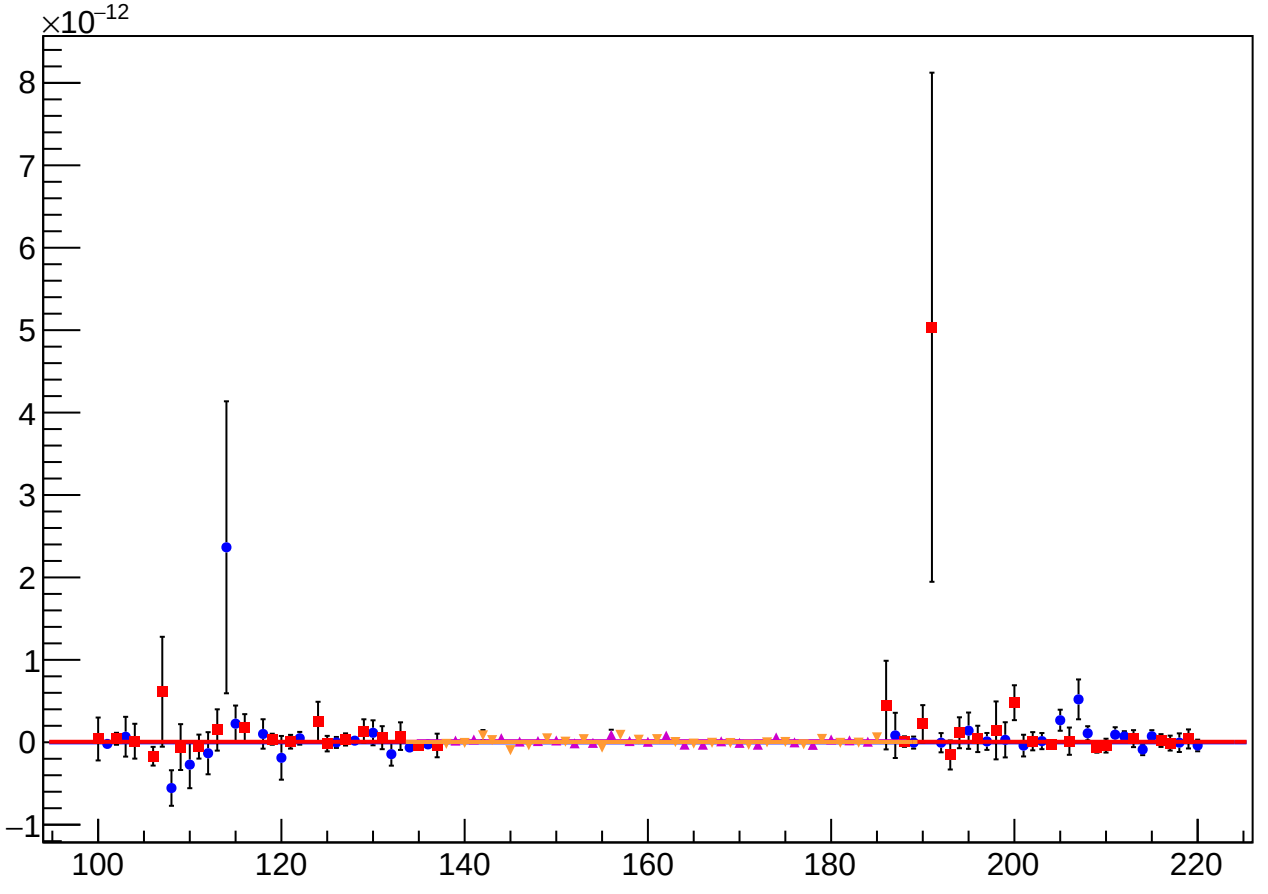
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2568.222+/-0.287 χ^2/NDF: 955046.2/57

All: 2577.044+/-0.205 χ^2/NDF: 2370733.0/11

- sign 2586.183+/-0.292 χ^2/NDF: 1413767.3/59

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

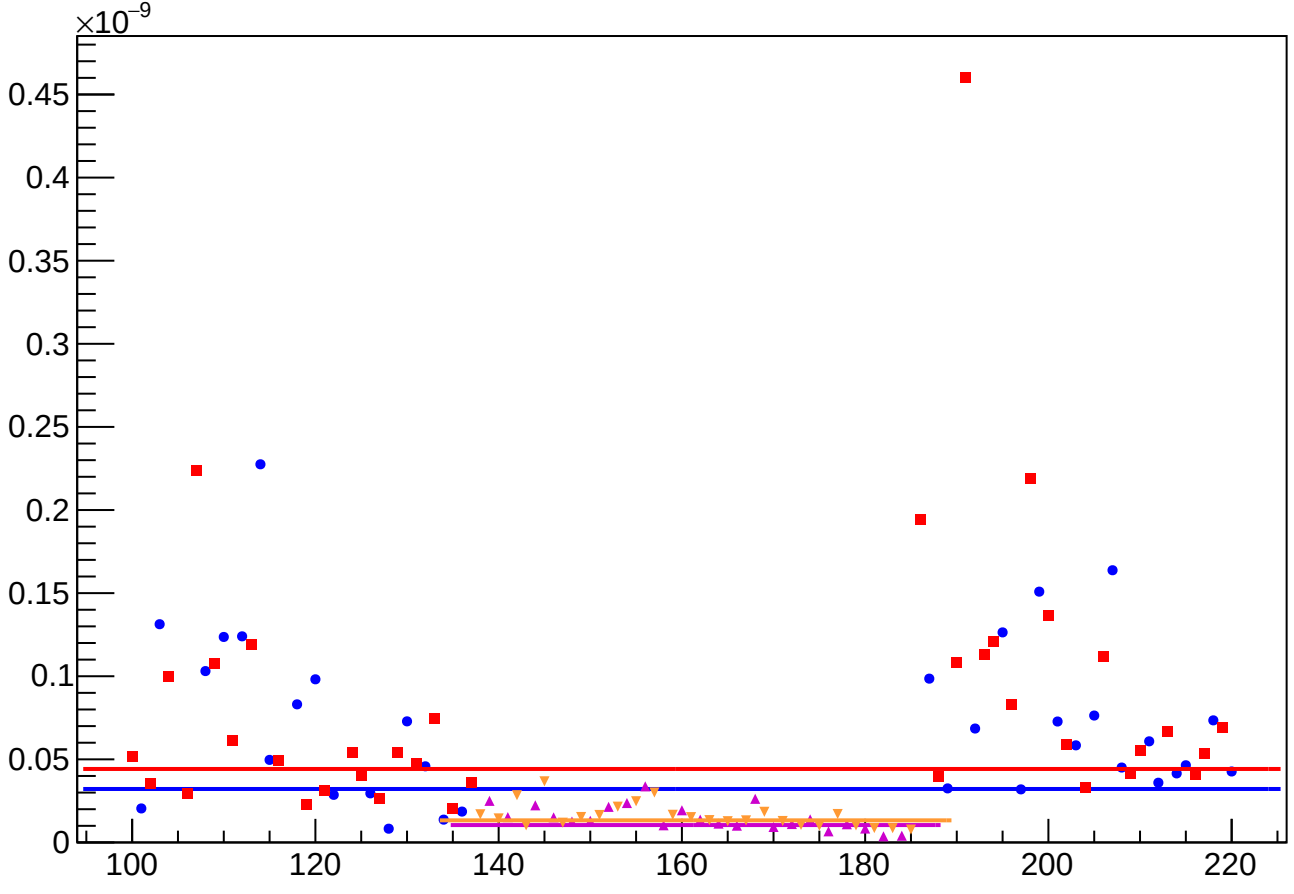
Right Out: 0.000+/-0.000 χ^2/NDF: 21.0/36

Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.1/57

All: 0.000+/-0.000 χ^2/NDF: 117.6/117

- sign 0.000+/-0.000 χ^2/NDF: 53.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 6178388.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4229208.9/36

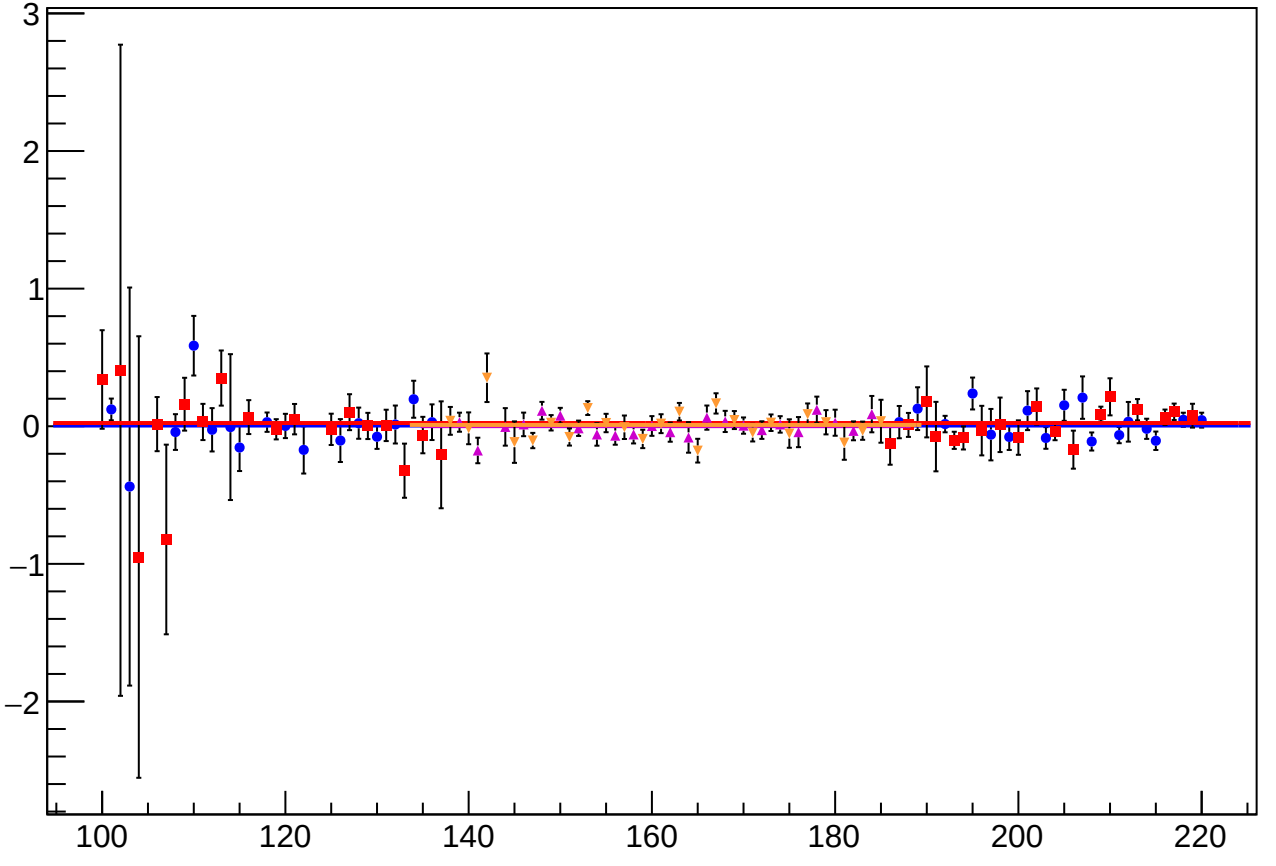
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10909680.0/57

All: 0.000+/-0.000 χ^2/NDF: 25357048.6/117

- sign 0.000+/-0.000 χ^2/NDF: 14099360.1/59

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.016 χ^2/NDF: 34.7/32

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.017 χ^2/NDF: 30.7/35

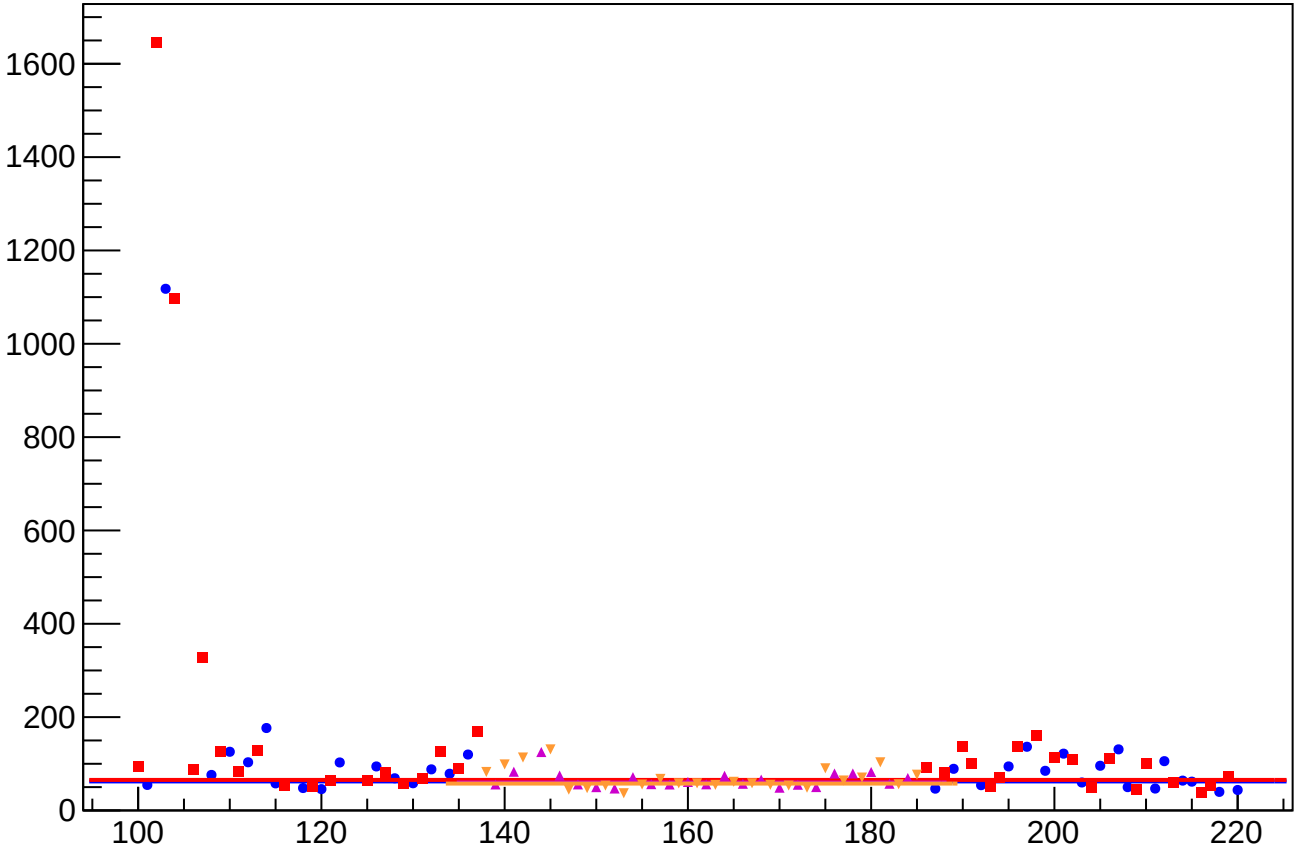
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.008+/-0.011 χ^2/NDF: 69.4/56

All: 0.009+/-0.008 χ^2/NDF: 116.6/115

- sign 0.011+/-0.012 χ^2/NDF: 47.2/58

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 62.215+/-0.012 χ^2/NDF: 5009874.8/32

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 65.426+/-0.012 χ^2/NDF: 6112221.1/35

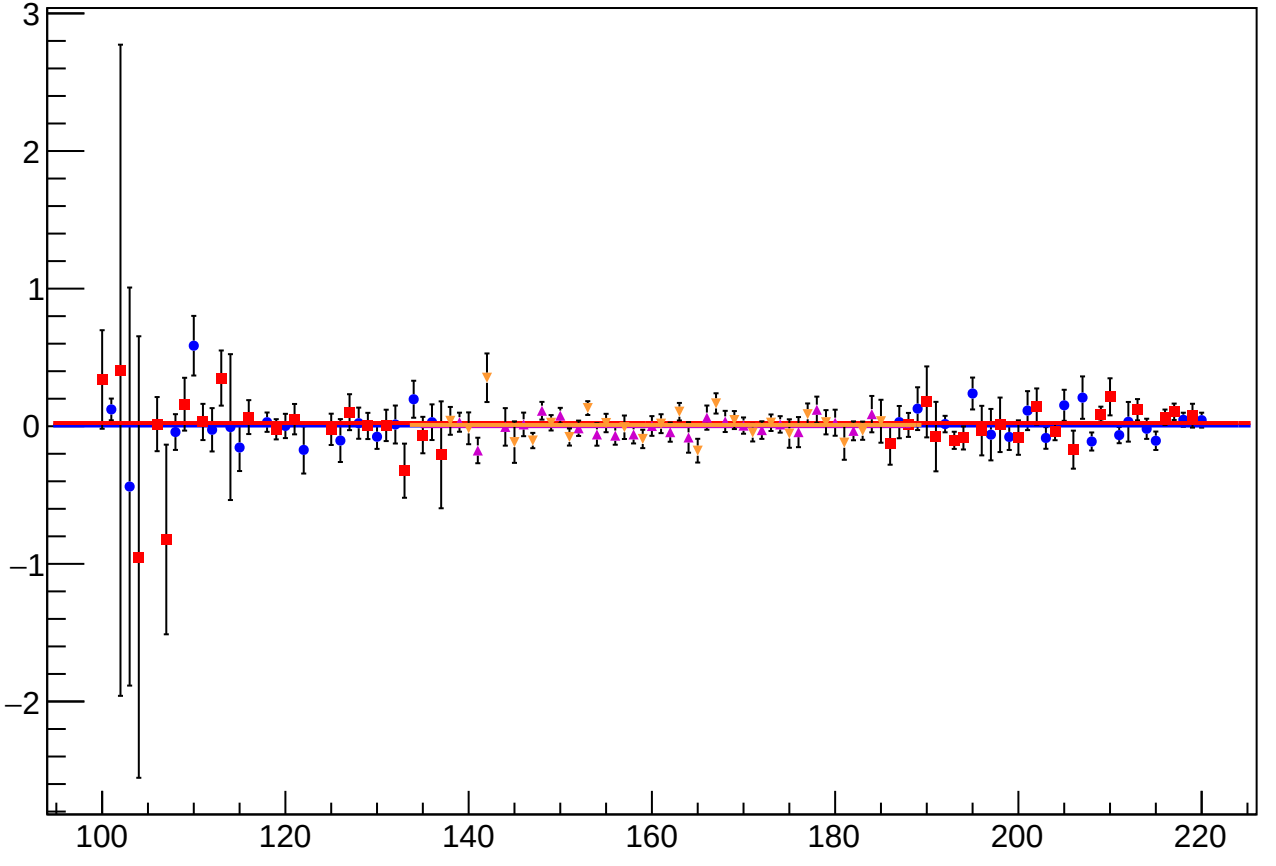
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.729+/-0.008 χ^2/NDF: 7308750.1/56

All: 60.958+/-0.006 χ^2/NDF: 14928197.6/115

- sign 62.298+/-0.008 χ^2/NDF: 7568135.1/58

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.016 χ^2/NDF: 34.7/32

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.017 χ^2/NDF: 30.7/35

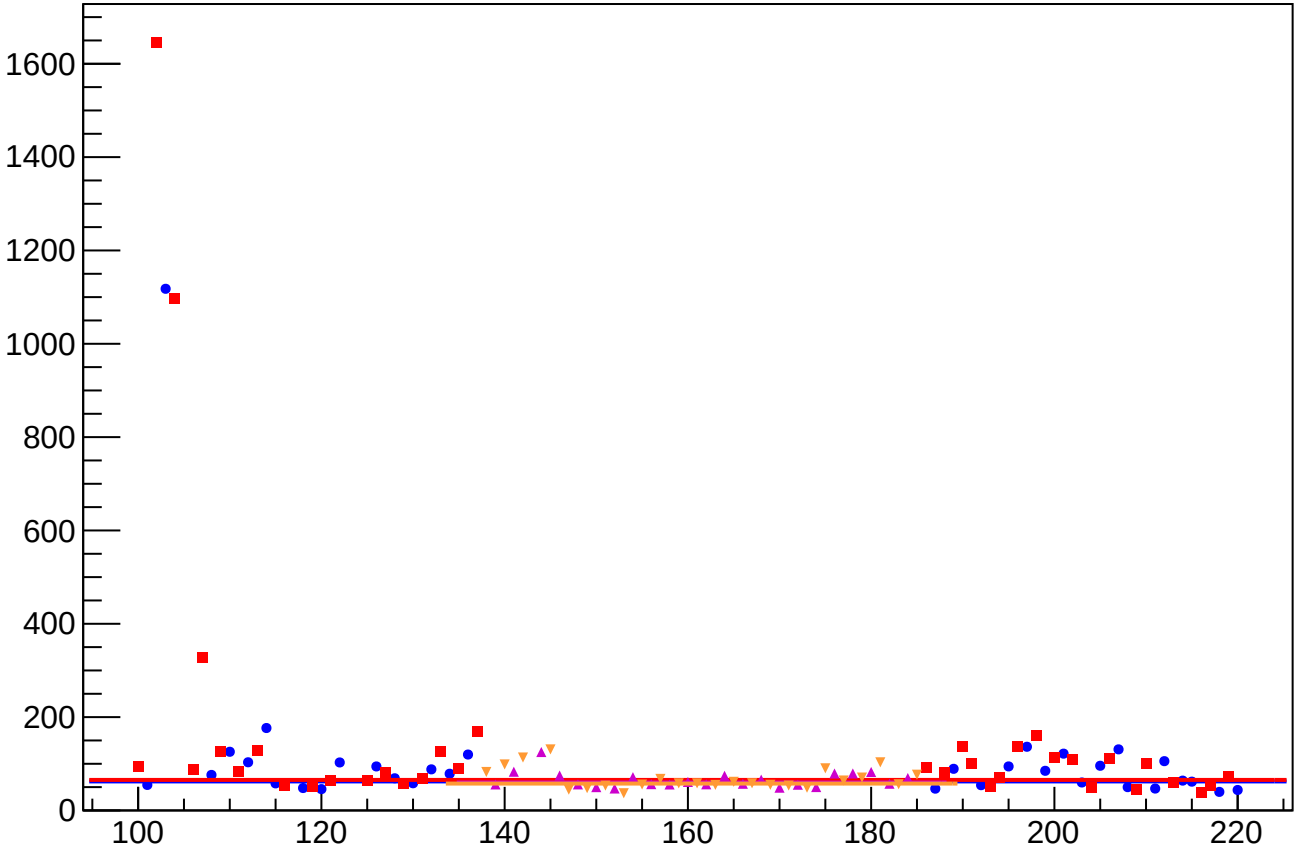
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.008+/-0.011 χ^2/NDF: 69.4/56

All: 0.009+/-0.008 χ^2/NDF: 116.6/115

- sign 0.011+/-0.012 χ^2/NDF: 47.2/58

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.215+/-0.012 χ^2/NDF: 5009874.8/32

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 65.426+/-0.012 χ^2/NDF: 6112221.1/35

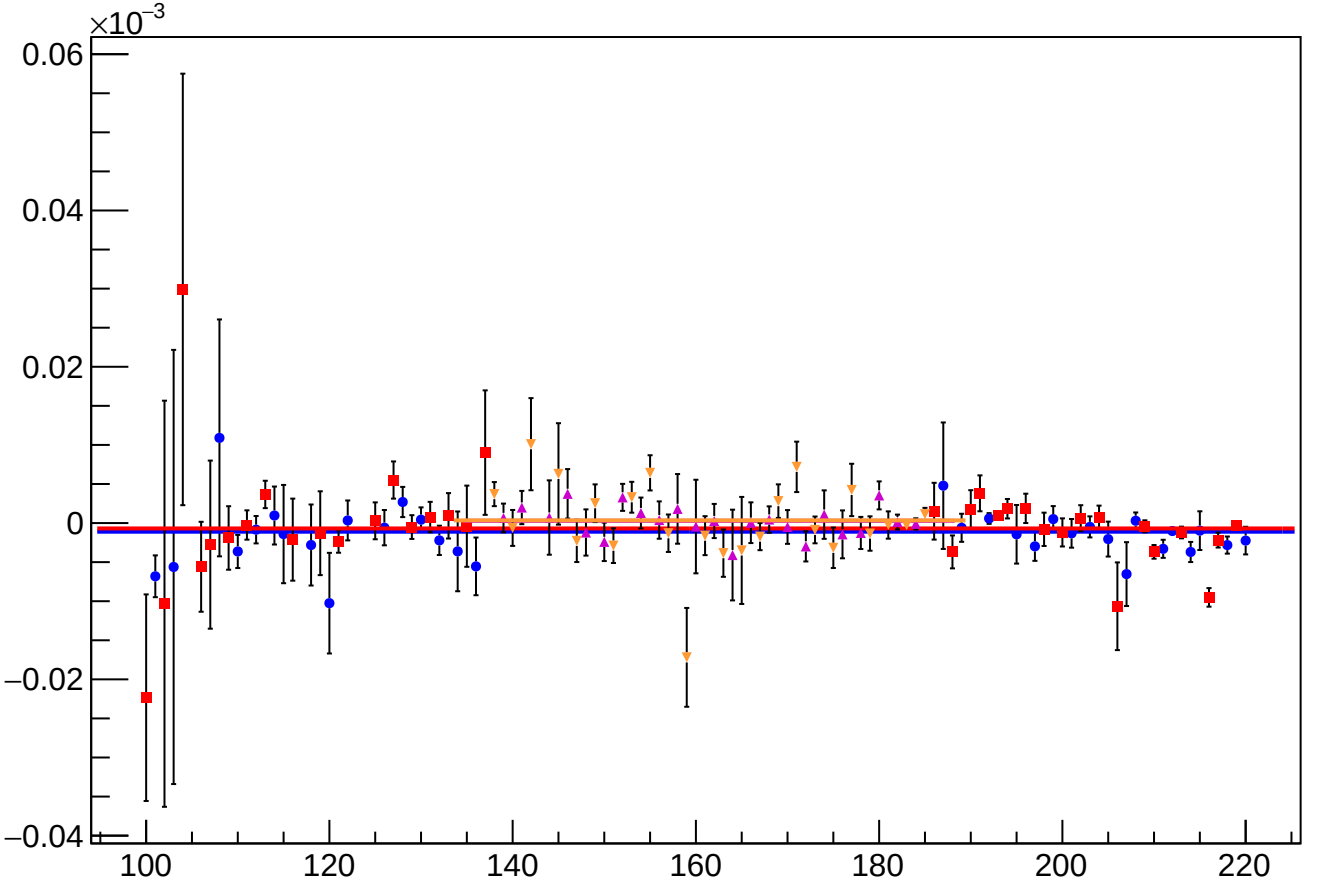
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 59.729+/-0.008 χ^2/NDF: 7308750.1/56

All: 60.958+/-0.006 χ^2/NDF: 14928197.6/115

- sign 62.298+/-0.008 χ^2/NDF: 7568135.1/58

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 39.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 117.5/35

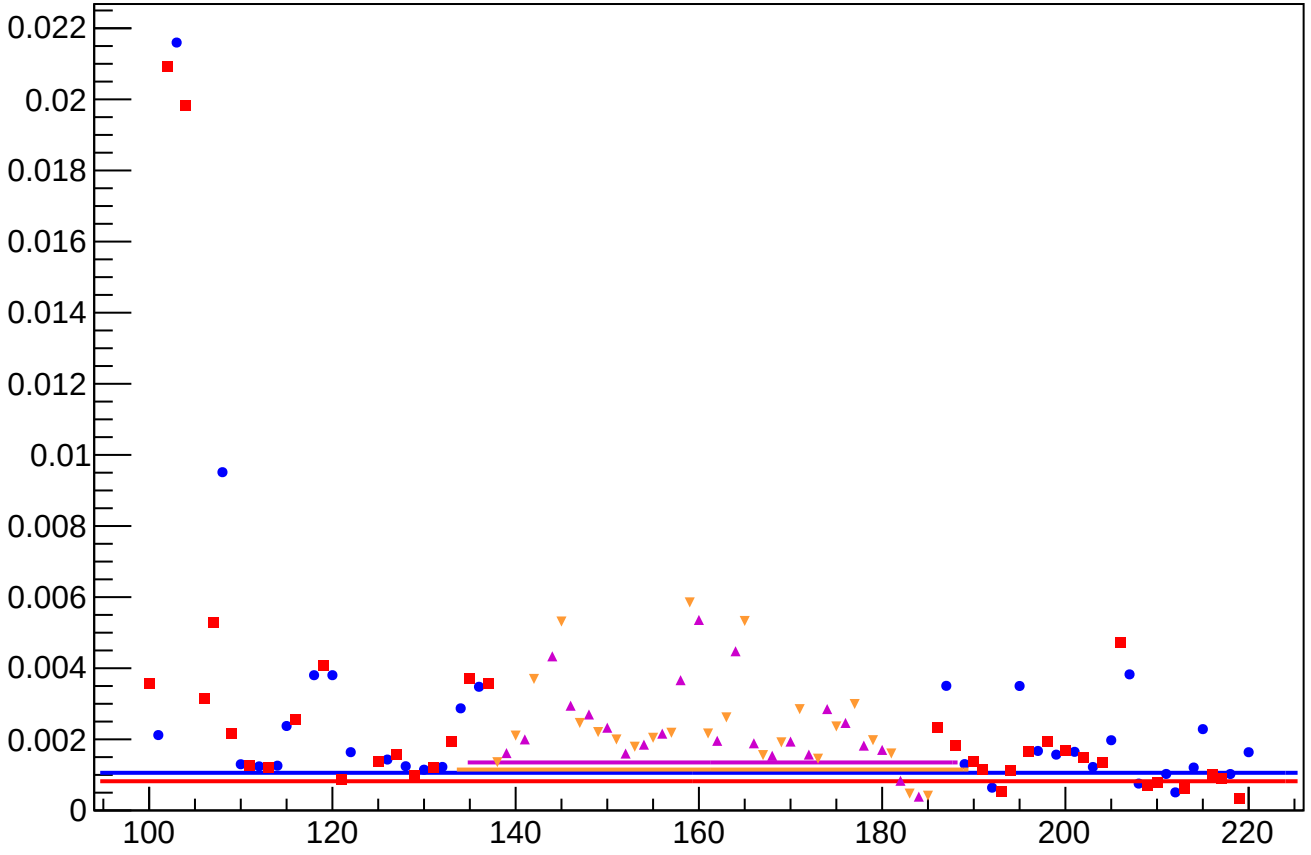
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 97.0/56

All: -0.000+/-0.000 χ^2/NDF: 234.3/115

- sign -0.000+/-0.000 χ^2/NDF: 137.2/58

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10784897.7/32

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 12823650.6/35

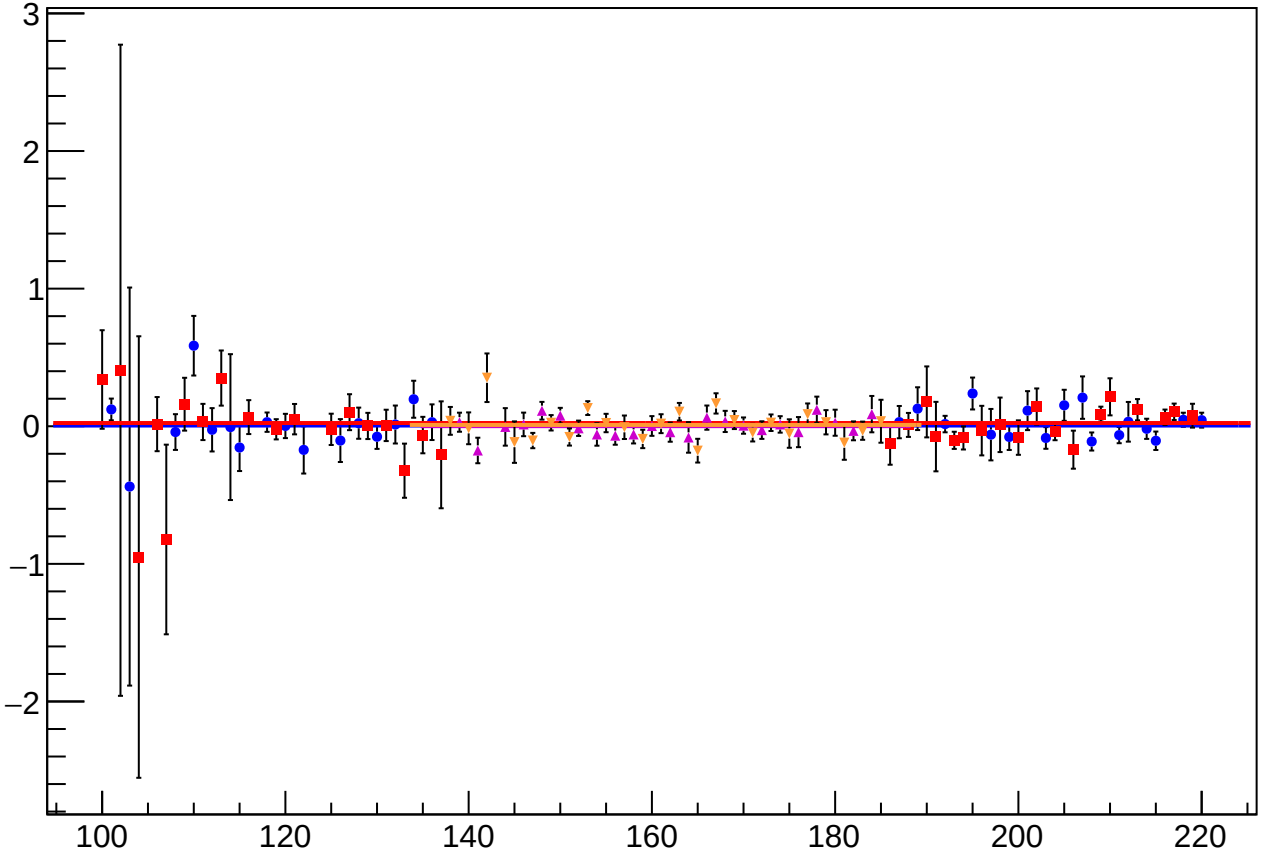
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 24112758.1/56

All: 0.001+/-0.000 χ^2/NDF: 50454283.9/115

- sign 0.001+/-0.000 χ^2/NDF: 25900843.4/58

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.016 χ^2/NDF: 34.7/32

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.017 χ^2/NDF: 30.7/35

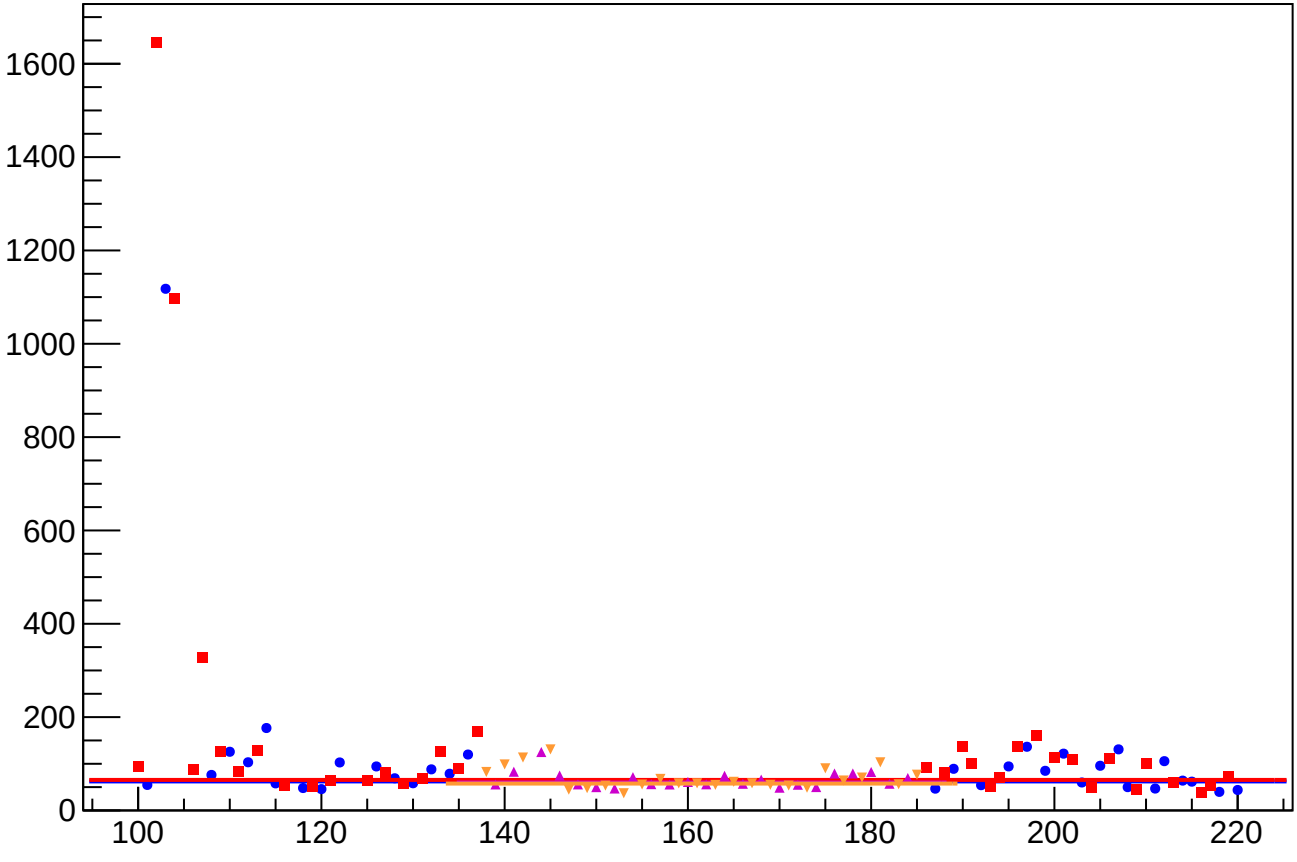
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.008+/-0.011 χ^2/NDF: 69.4/56

All: 0.009+/-0.008 χ^2/NDF: 116.6/115

- sign 0.011+/-0.012 χ^2/NDF: 47.2/58

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 62.215+/-0.012 χ^2/NDF: 5009992.5/32

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 65.426+/-0.012 χ^2/NDF: 6112236.9/35

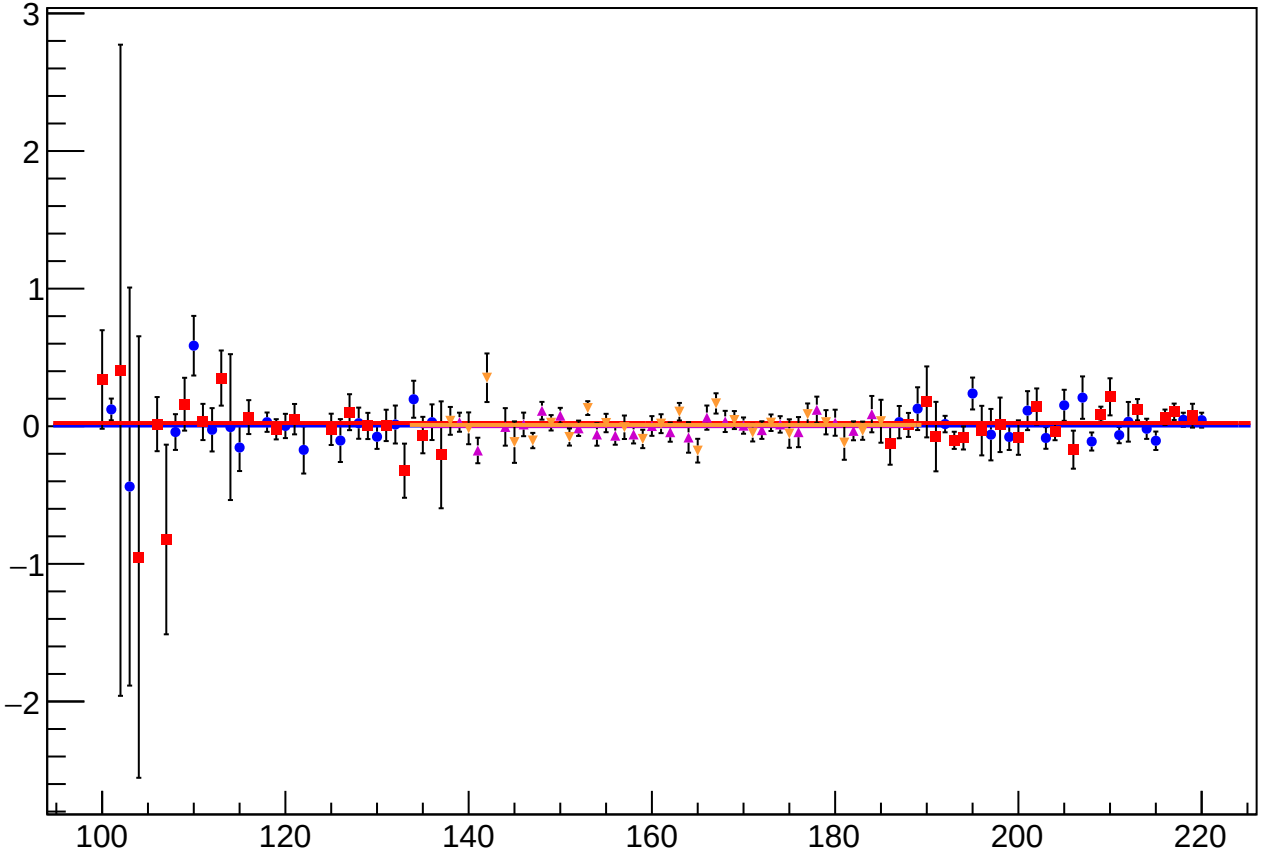
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.729+/-0.008 χ^2/NDF: 7308932.0/56

All: 60.958+/-0.006 χ^2/NDF: 14928383.2/115

- sign 62.298+/-0.008 χ^2/NDF: 7568129.8/58

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.016 χ^2/NDF: 34.7/32

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: 0.023+/-0.017 χ^2/NDF: 30.7/35

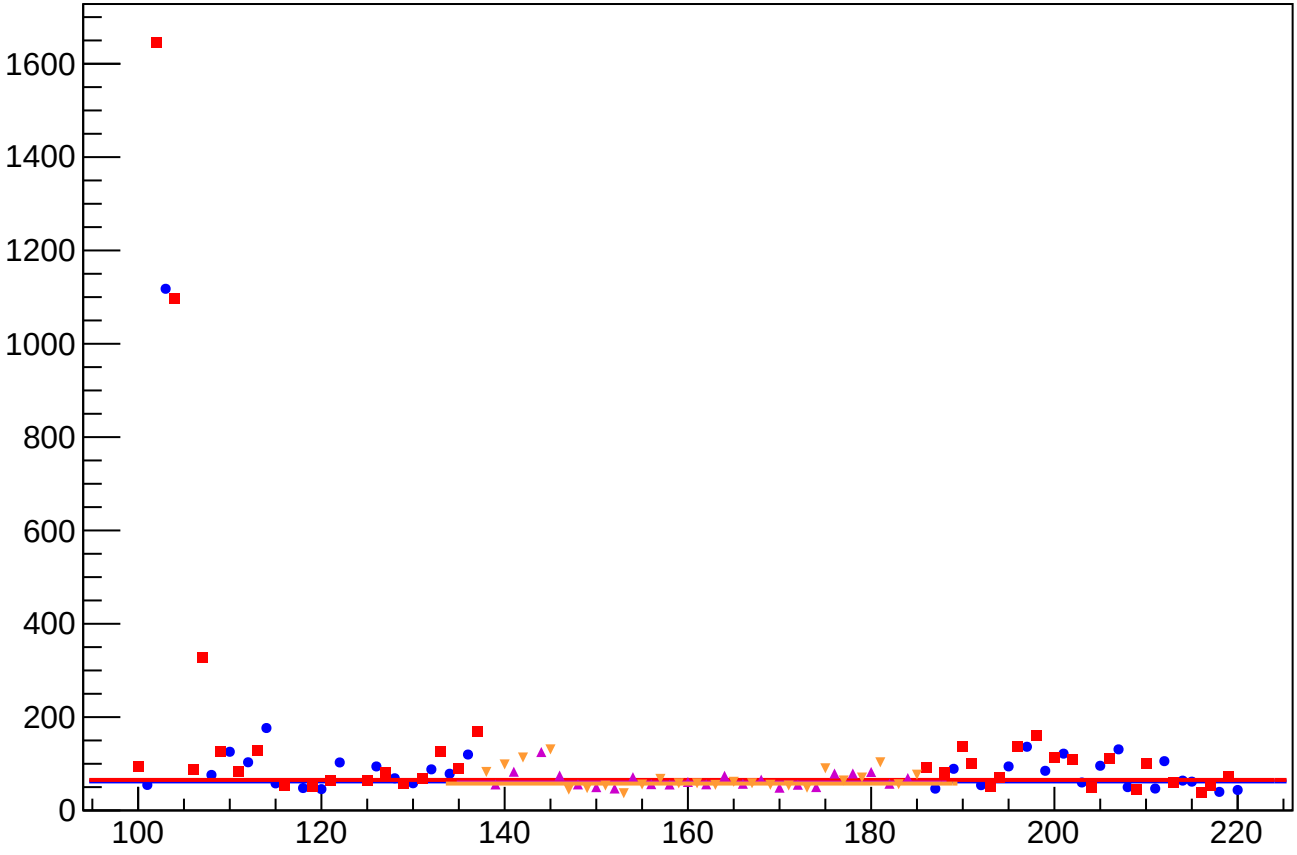
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

\+ sign 0.008+/-0.011 χ^2/NDF: 69.4/56

All: 0.009+/-0.008 χ^2/NDF: 116.6/115

\- sign 0.011+/-0.012 χ^2/NDF: 47.2/58

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 62.215+/-0.012 χ^2/NDF: 5009992.5/32

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 65.426+/-0.012 χ^2/NDF: 6112236.9/35

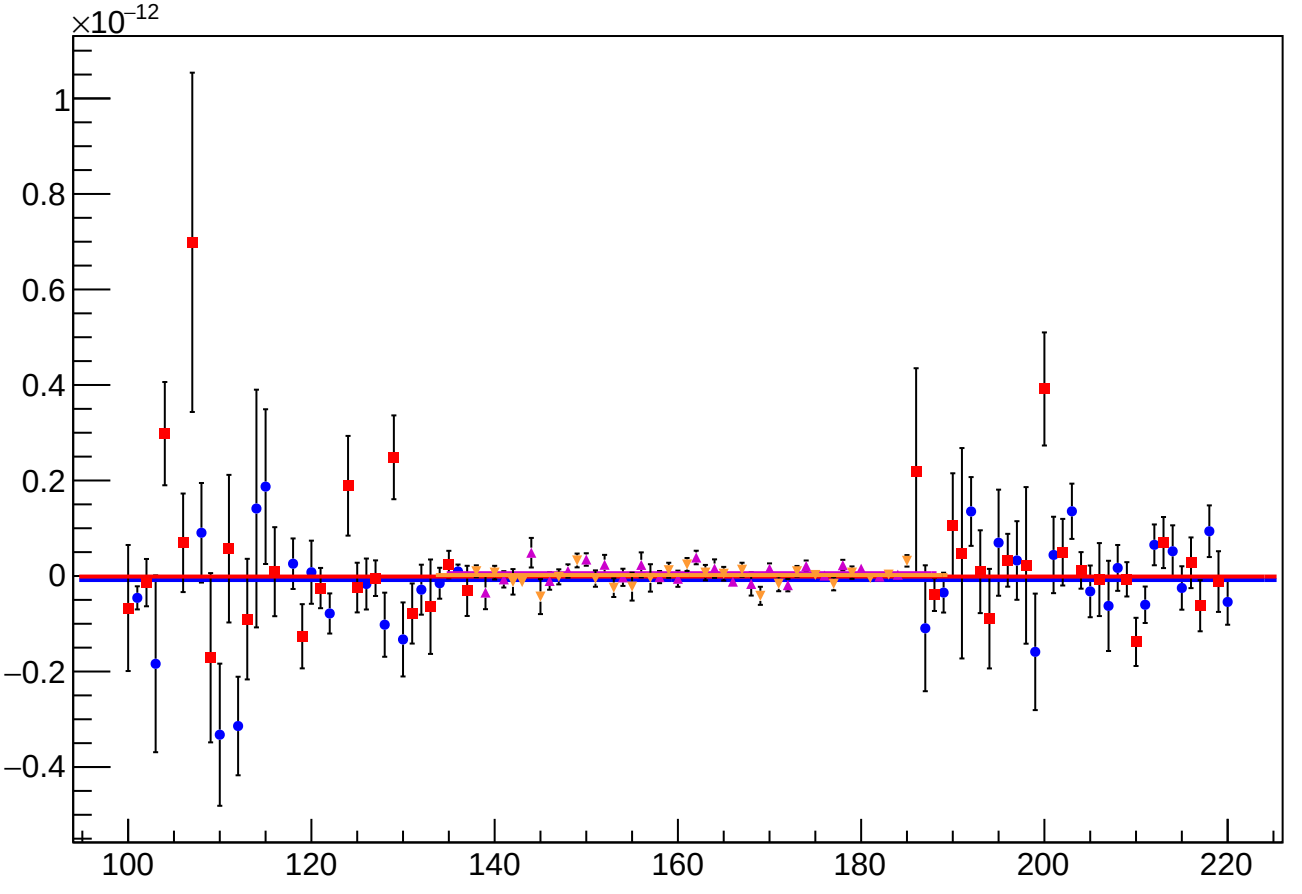
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 59.729+/-0.008 χ^2/NDF: 7308932.0/56

All: 60.958+/-0.006 χ^2/NDF: 14928383.2/115

- sign 62.298+/-0.008 χ^2/NDF: 7568129.8/58

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 54.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 59.2/36

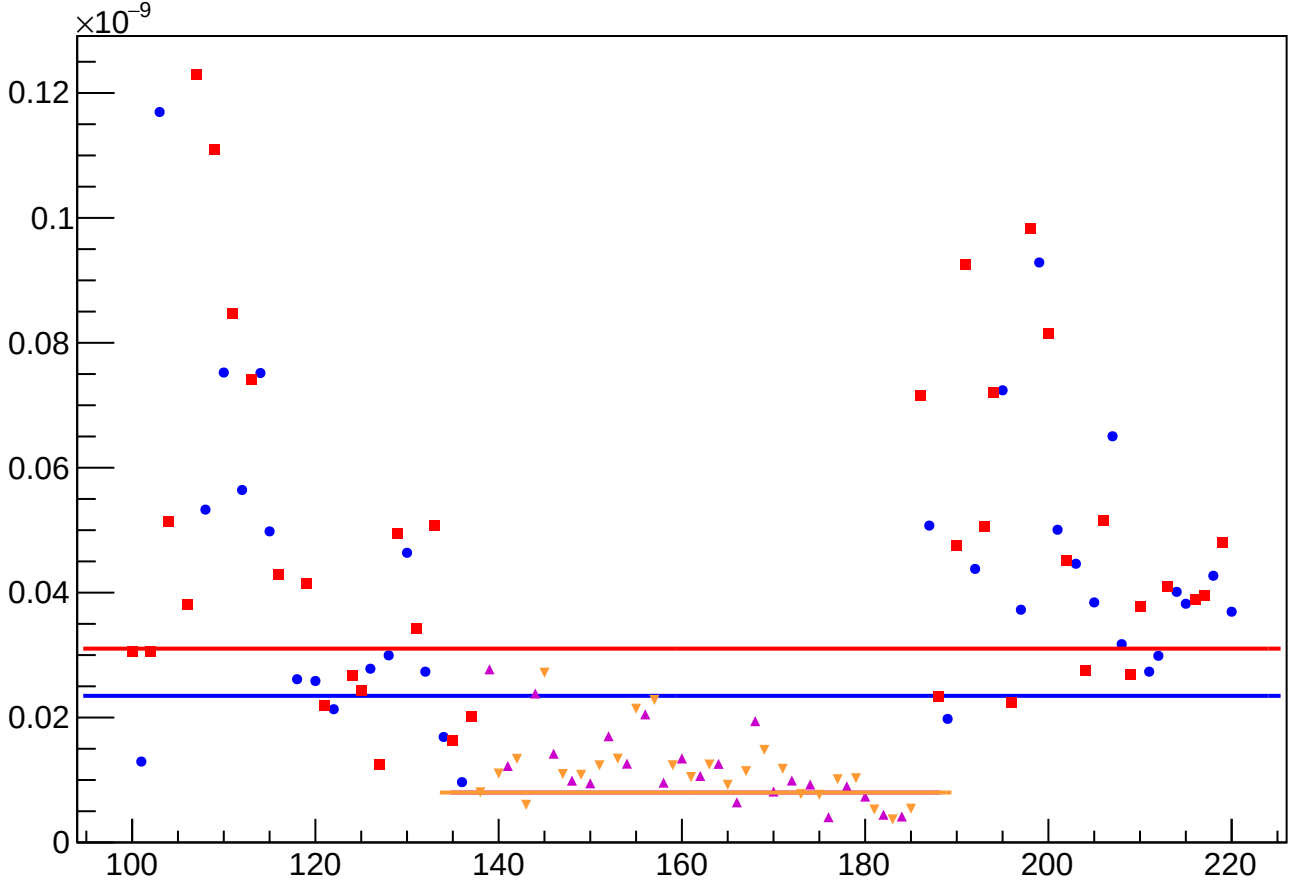
Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.8/57

All: 0.000+/-0.000 χ^2/NDF: 181.6/117

- sign 0.000+/-0.000 χ^2/NDF: 92.2/59

asym_atl1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7094712.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4721831.0/36

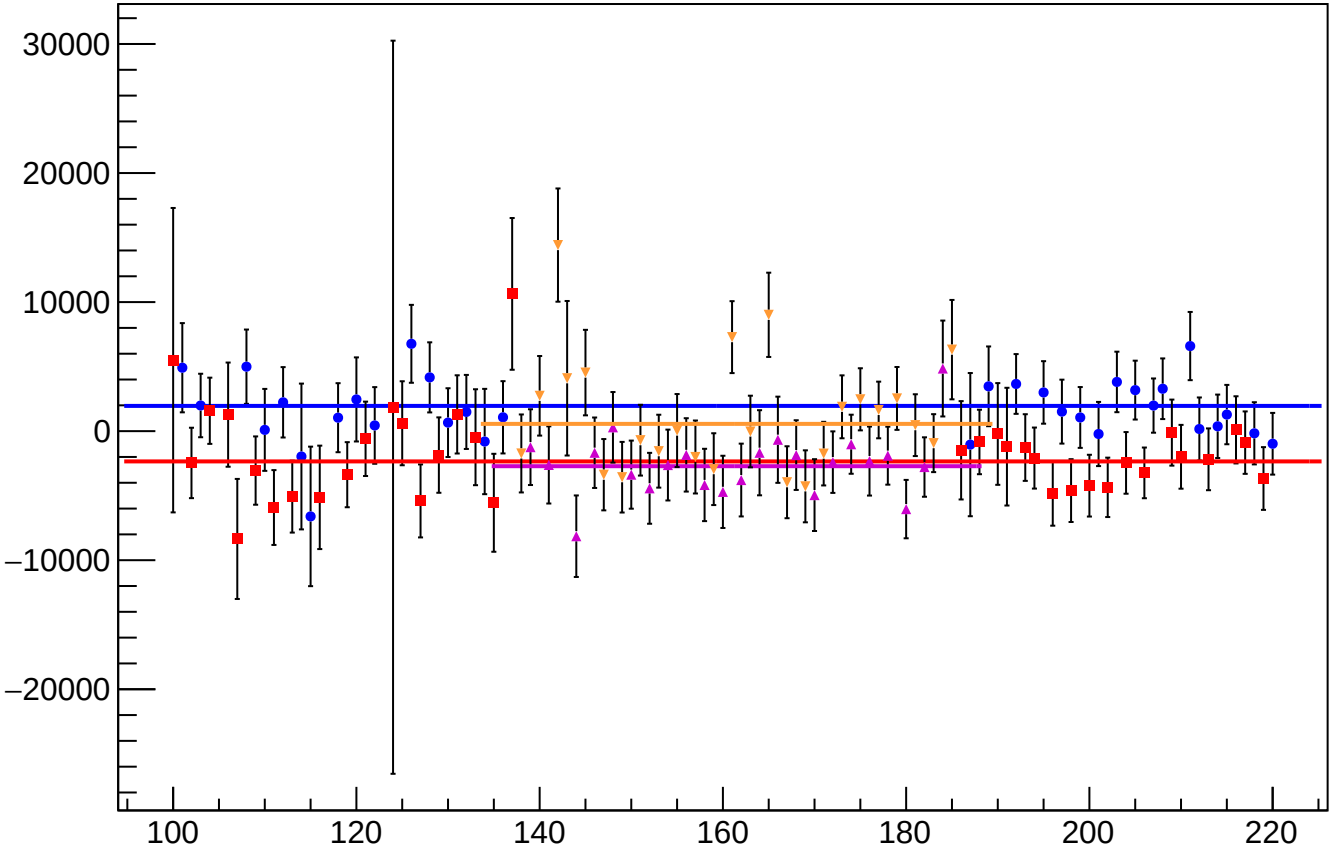
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 18706747.3/57

All: 0.000+/-0.000 χ^2/NDF: 38664059.3/117

- sign 0.000+/-0.000 χ^2/NDF: 19955848.1/59

reg_asym_atl2_mean vs Slug



Right In: 1956.015+/-471.144 χ^2/NDF: 19.4/32

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2345.062+/-470.119 χ^2/NDF: 24.9/36

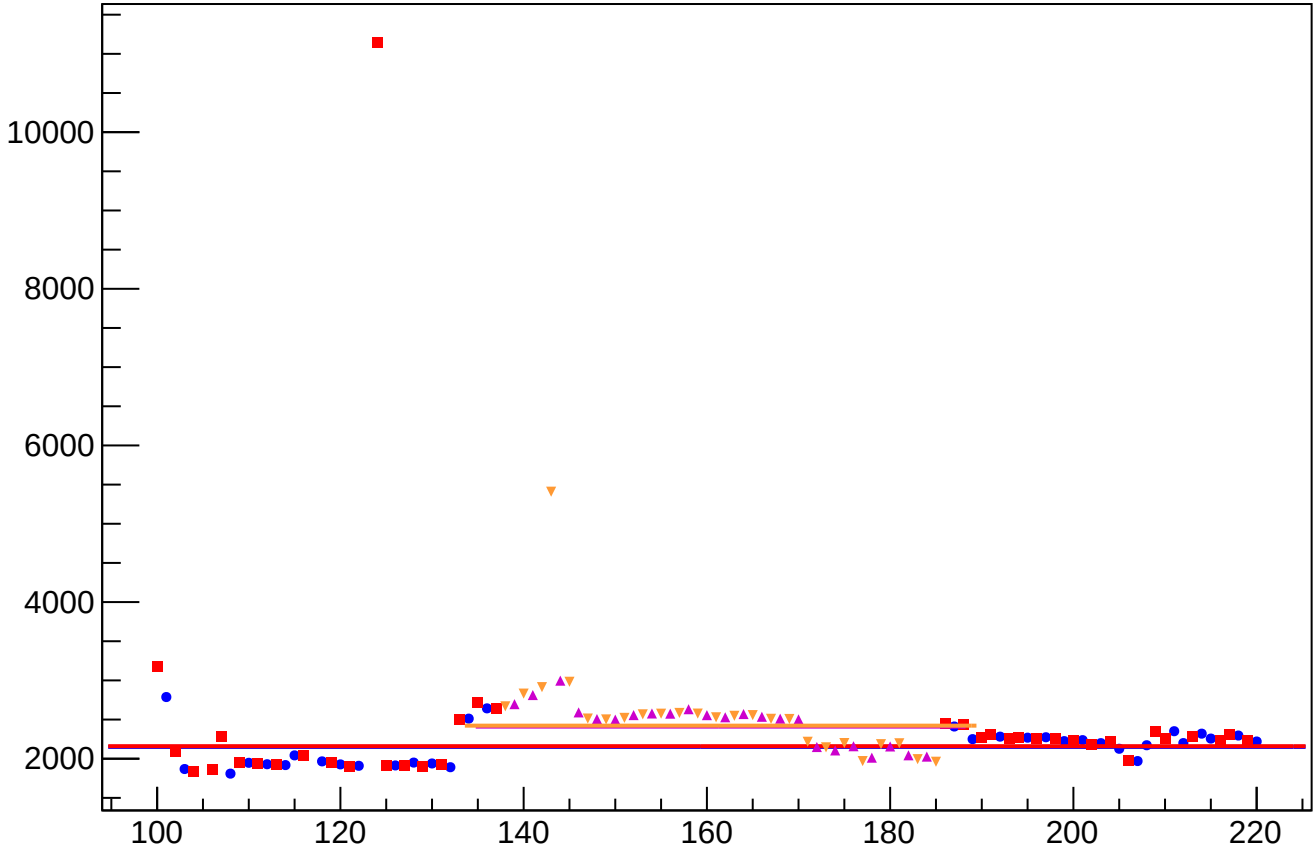
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1375.158+/-359.802 χ^2/NDF: 67.0/57

All: -550.527+/-255.085 χ^2/NDF: 164.0/117

- sign -2496.514+/-361.694 χ^2/NDF: 39.4/59

reg_asym_atl2_rms vs Slug



Right In: 2150.868+/-0.333 χ^2/NDF: 387490.1/32

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2159.912+/-0.332 χ^2/NDF: 563551.3/36

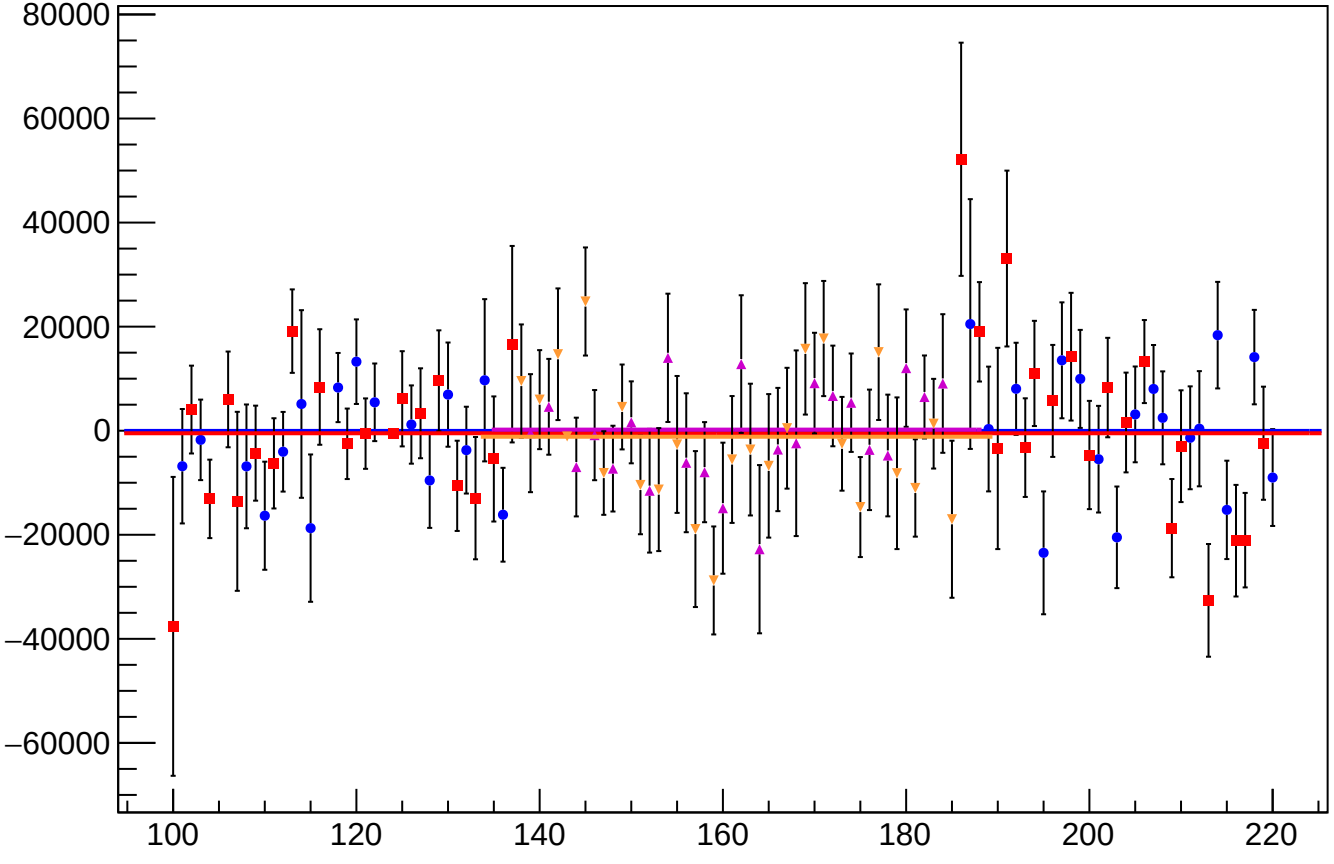
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2263.938+/-0.254 χ^2/NDF: 1616719.3/57

All: 2262.921+/-0.180 χ^2/NDF: 2839295.4/11

- sign 2261.893+/-0.256 χ^2/NDF: 1222544.0/59

asym_atl2_reg_correction_mean vs Slug



Right In: -39.620+/-1662.672 χ^2/NDF: 38.6/32

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

Right Out: -489.714+/-734.437 χ^2/NDF: 60.7/36

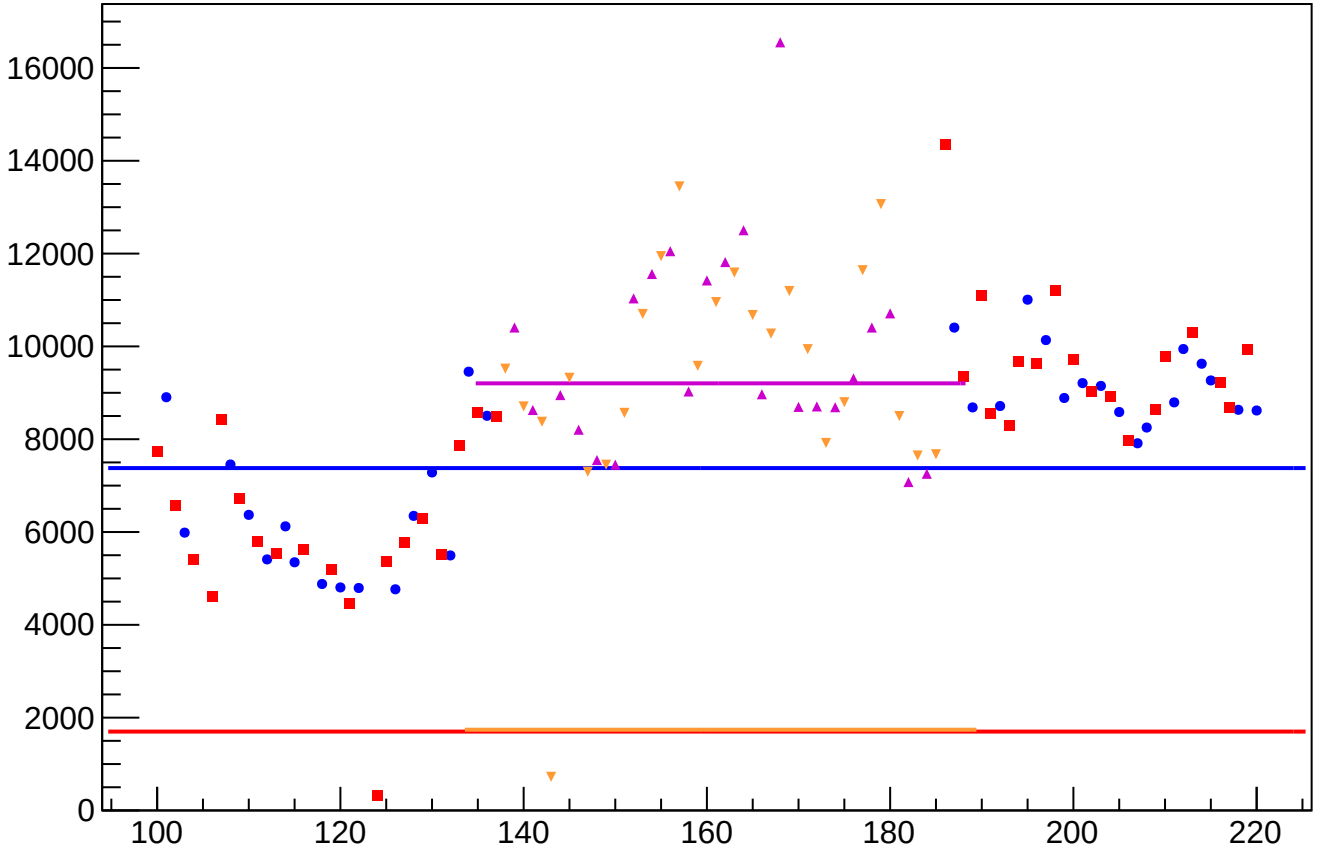
Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -965.818+/-689.554 χ^2/NDF: 70.9/57

All: -695.294+/-490.021 χ^2/NDF: 145.4/117

- sign -419.303+/-696.486 χ^2/NDF: 74.2/59

asym_atl2_reg_correction_rms vs Slug



Right In: 7377.932+/-1.176 χ^2/NDF: 2516789.1/32

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1699.653+/-0.519 χ^2/NDF: 31899830.6/36

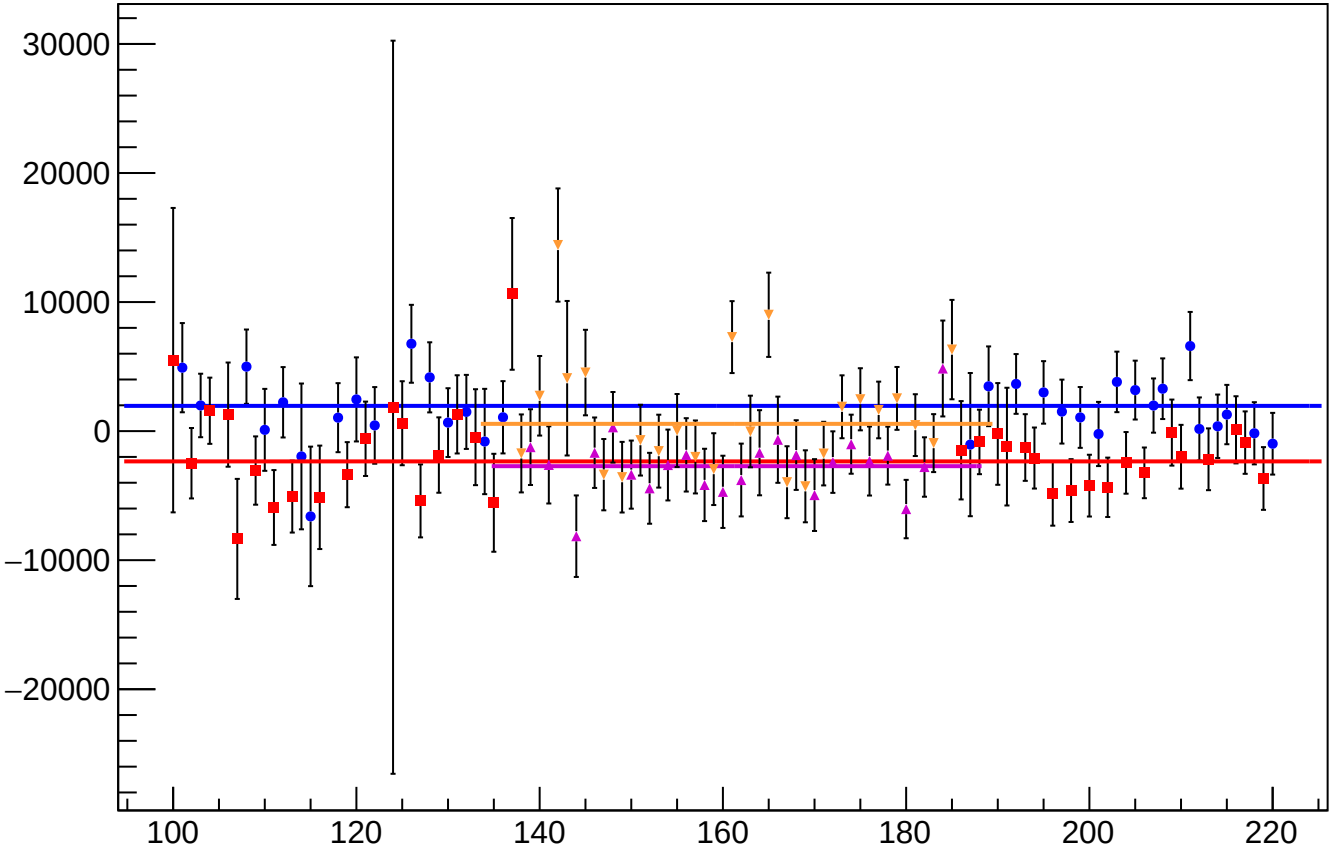
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2709.459+/-0.488 χ^2/NDF: 49293829.5/57

All: 2583.575+/-0.346 χ^2/NDF: 103621275.8

- sign 2455.148+/-0.492 χ^2/NDF: 54192789.9/59

cor_asym_atl2_mean vs Slug



Right In: 1955.983+/-471.144 χ^2/NDF: 19.4/32

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2345.780+/-470.121 χ^2/NDF: 24.9/36

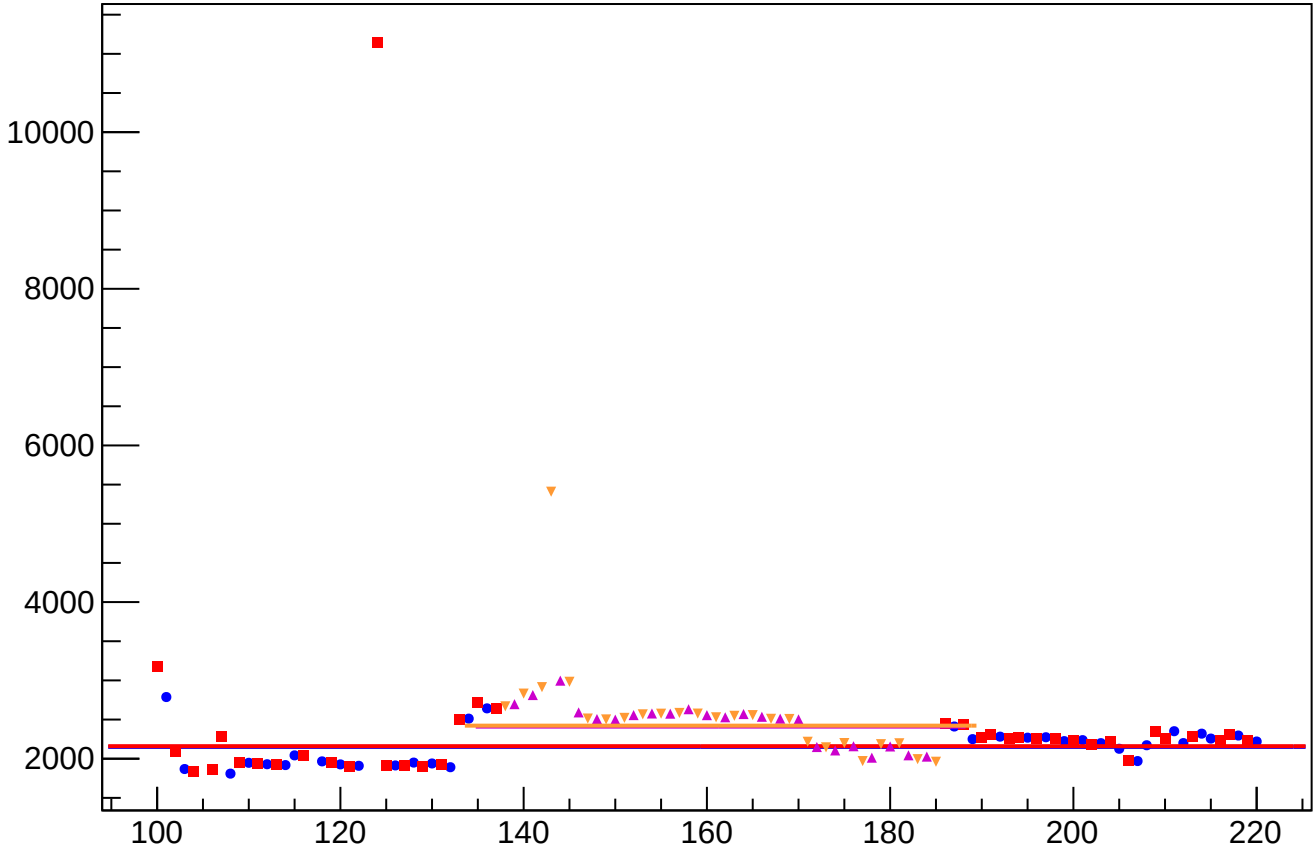
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1375.139+/-359.802 χ^2/NDF: 67.0/57

All: -550.735+/-255.085 χ^2/NDF: 164.1/117

- sign -2496.925+/-361.695 χ^2/NDF: 39.4/59

cor_asym_atl2_rms vs Slug



Right In: 2150.868+/-0.333 χ^2/NDF: 387490.0/32

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2159.922+/-0.332 χ^2/NDF: 563540.8/36

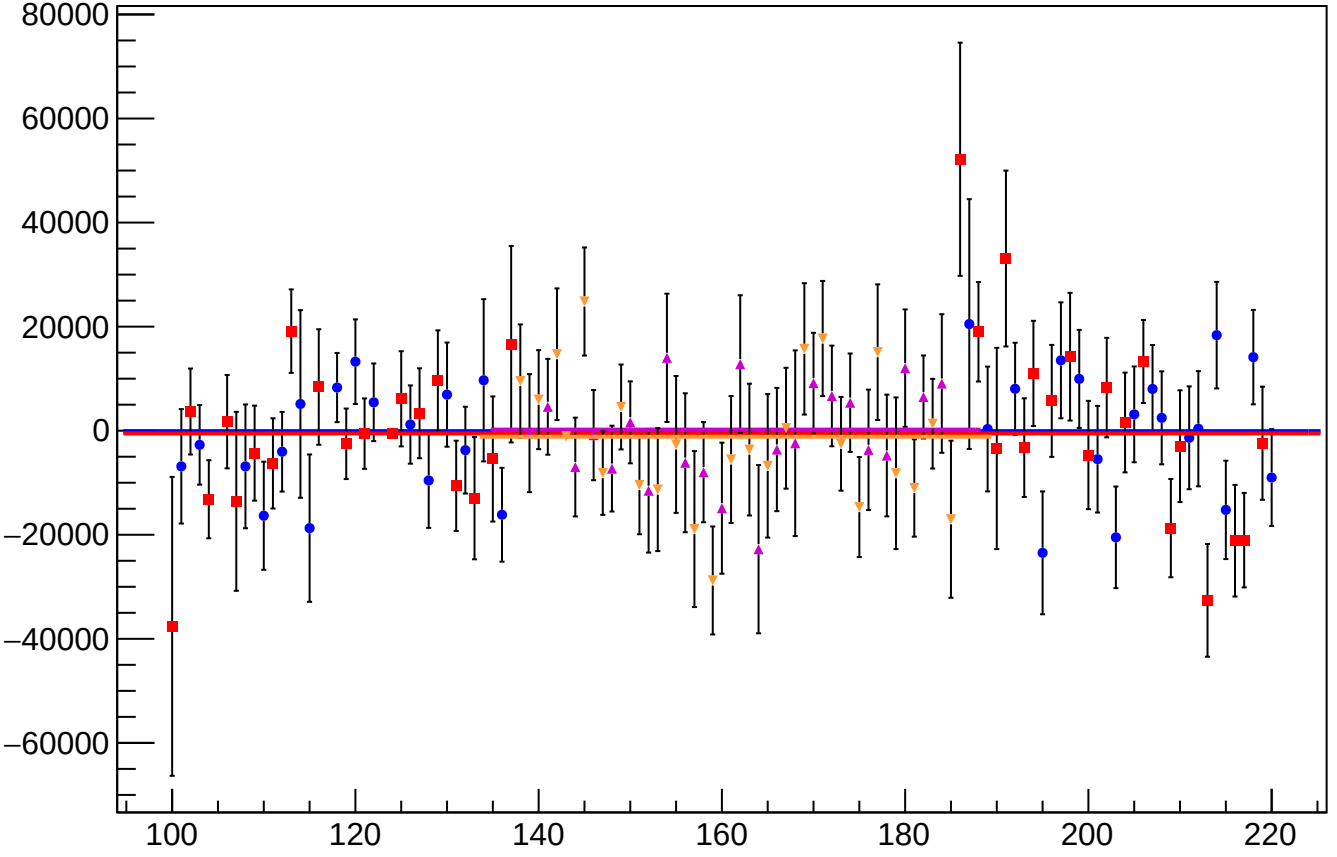
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2263.938+/-0.254 χ^2/NDF: 1616719.4/57

All: 2262.924+/-0.180 χ^2/NDF: 2839266.8/11

- sign 2261.899+/-0.256 χ^2/NDF: 1222515.4/59

asym_atl2_cor_correction_mean vs Slug



Right In: -87.272+/-1661.757 χ^2/NDF: 38.7/32

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -520.168+/-734.141 χ^2/NDF: 60.3/36

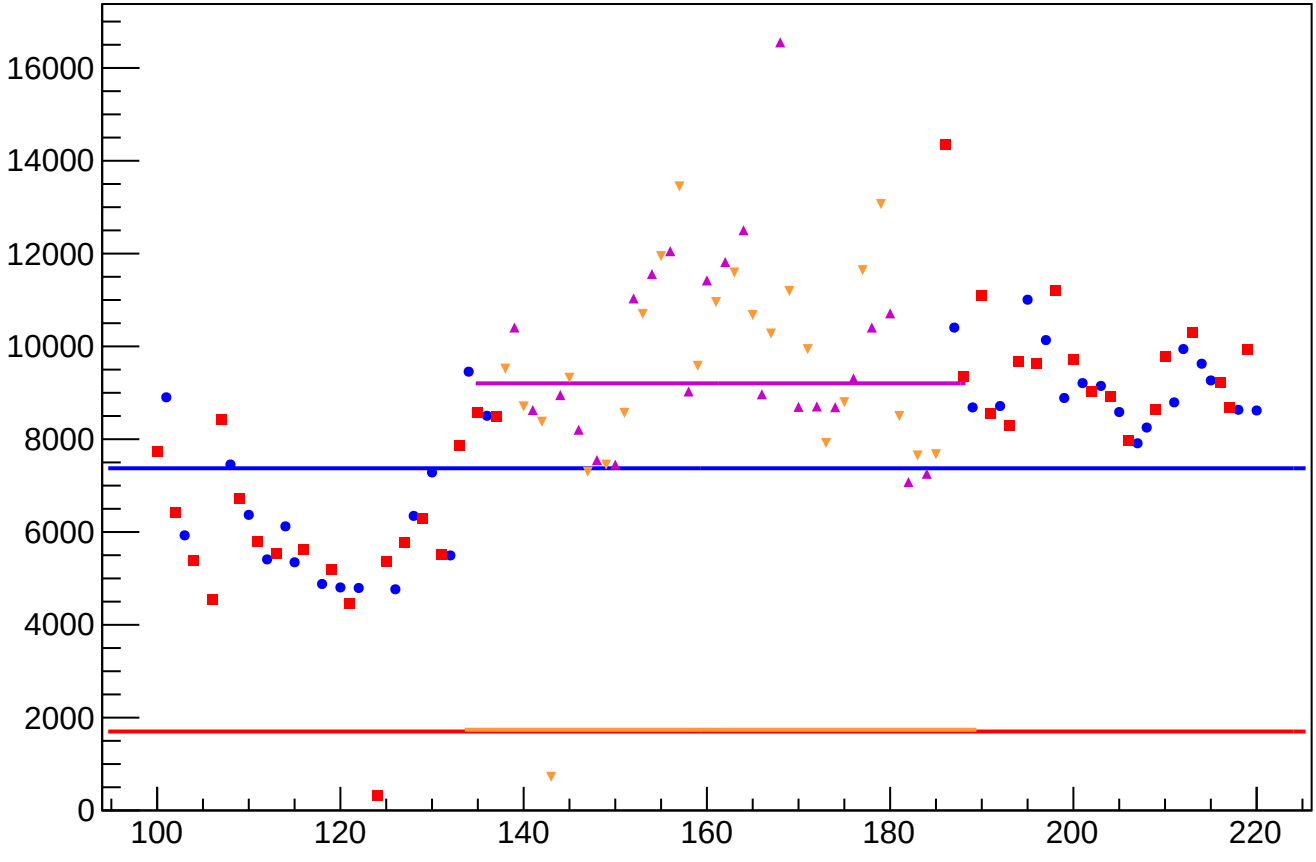
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -973.673+/-689.440 χ^2/NDF: 70.9/57

All: -712.799+/-489.892 χ^2/NDF: 145.0/117

- sign -446.759+/-696.233 χ^2/NDF: 73.8/59

asym_atl2_cor_correction_rms vs Slug



Right In: 7373.619+/-1.175 χ^2/NDF: 2523899.9/32

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1700.654+/-0.519 χ^2/NDF: 31889133.3/36

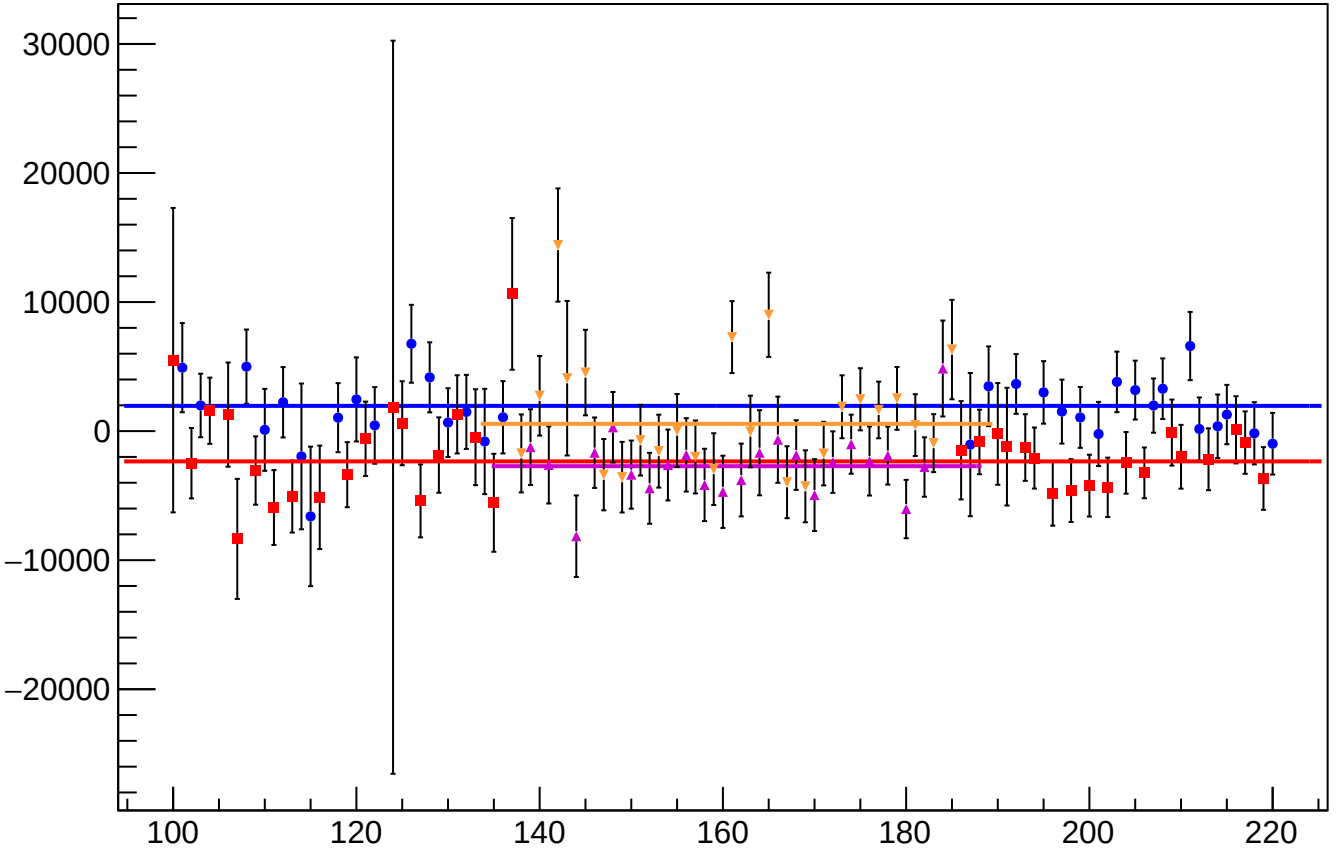
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2709.270+/-0.488 χ^2/NDF: 49292346.0/57

All: 2583.629+/-0.346 χ^2/NDF: 103604678.3

- sign 2455.500+/-0.492 χ^2/NDF: 54178177.1/59

eigen_cor_asym_atl2_mean vs Slug



Right In: 1955.983+/-471.144 χ^2/NDF: 19.4/32

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2345.780+/-470.121 χ^2/NDF: 24.9/36

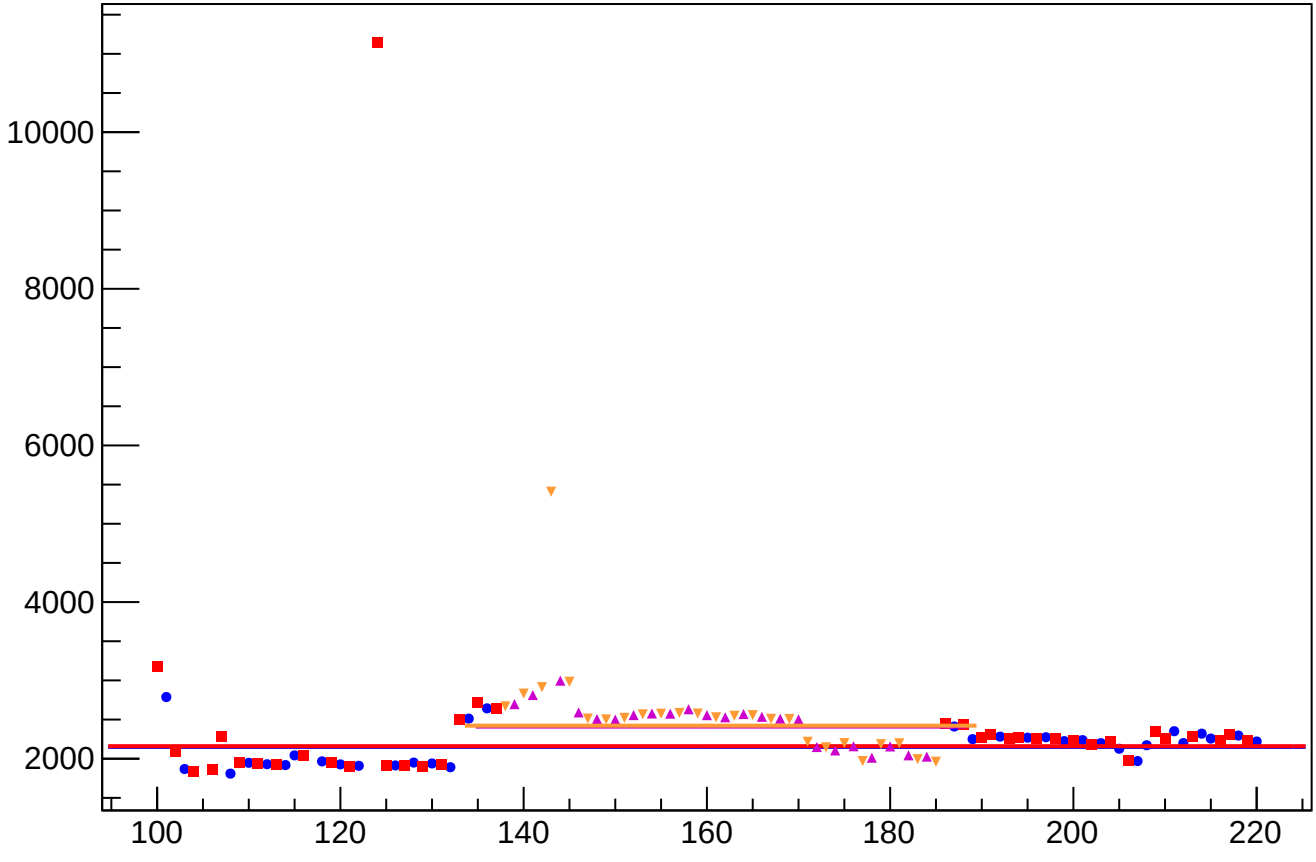
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1375.139+/-359.802 χ^2/NDF: 67.0/57

All: -550.735+/-255.085 χ^2/NDF: 164.1/117

- sign -2496.925+/-361.695 χ^2/NDF: 39.4/59

eigen_cor_asym_atl2_rms vs Slug



Right In: 2150.868+/-0.333 χ^2/NDF: 387490.0/32

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2159.922+/-0.332 χ^2/NDF: 563540.8/36

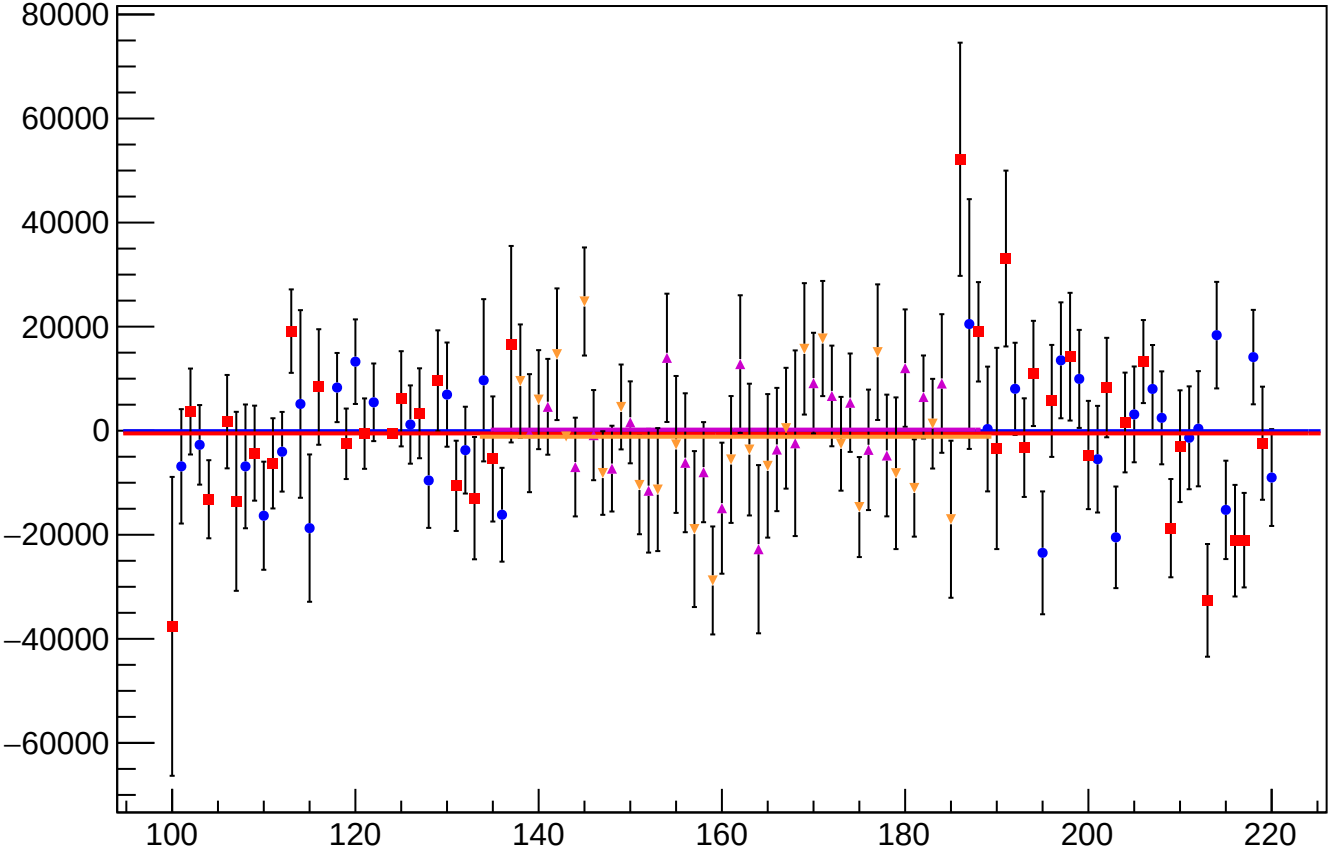
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2263.938+/-0.254 χ^2/NDF: 1616719.4/57

All: 2262.924+/-0.180 χ^2/NDF: 2839266.8/11

- sign 2261.899+/-0.256 χ^2/NDF: 1222515.4/59

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -87.272+/-1661.757 χ^2/NDF: 38.7/32

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: -520.168+/-734.141 χ^2/NDF: 60.3/36

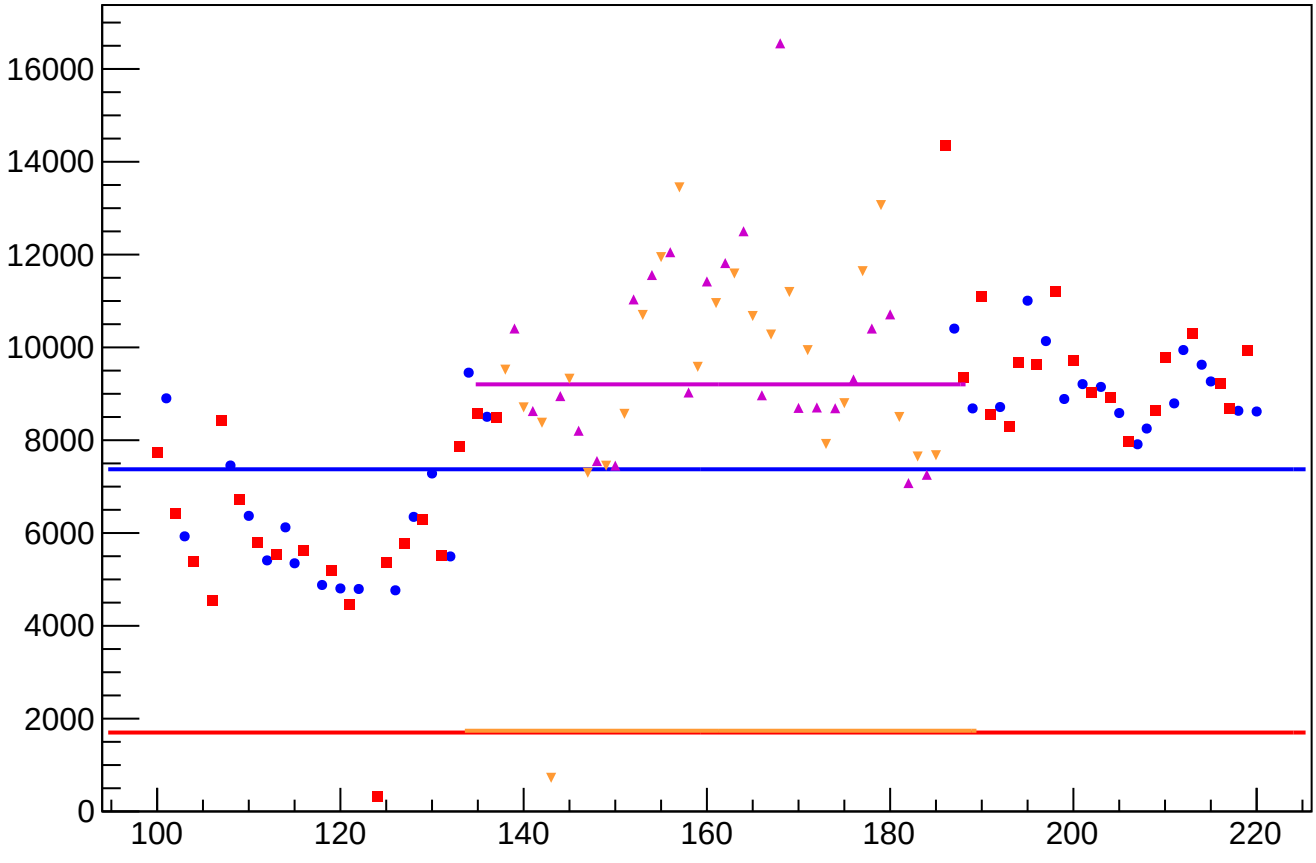
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -973.673+/-689.440 χ^2/NDF: 70.9/57

All: -712.799+/-489.892 χ^2/NDF: 145.0/117

- sign -446.759+/-696.233 χ^2/NDF: 73.8/59

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 7373.619+/-1.175 χ^2/NDF: 2523899.9/32

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1700.654+/-0.519 χ^2/NDF: 31889133.3/36

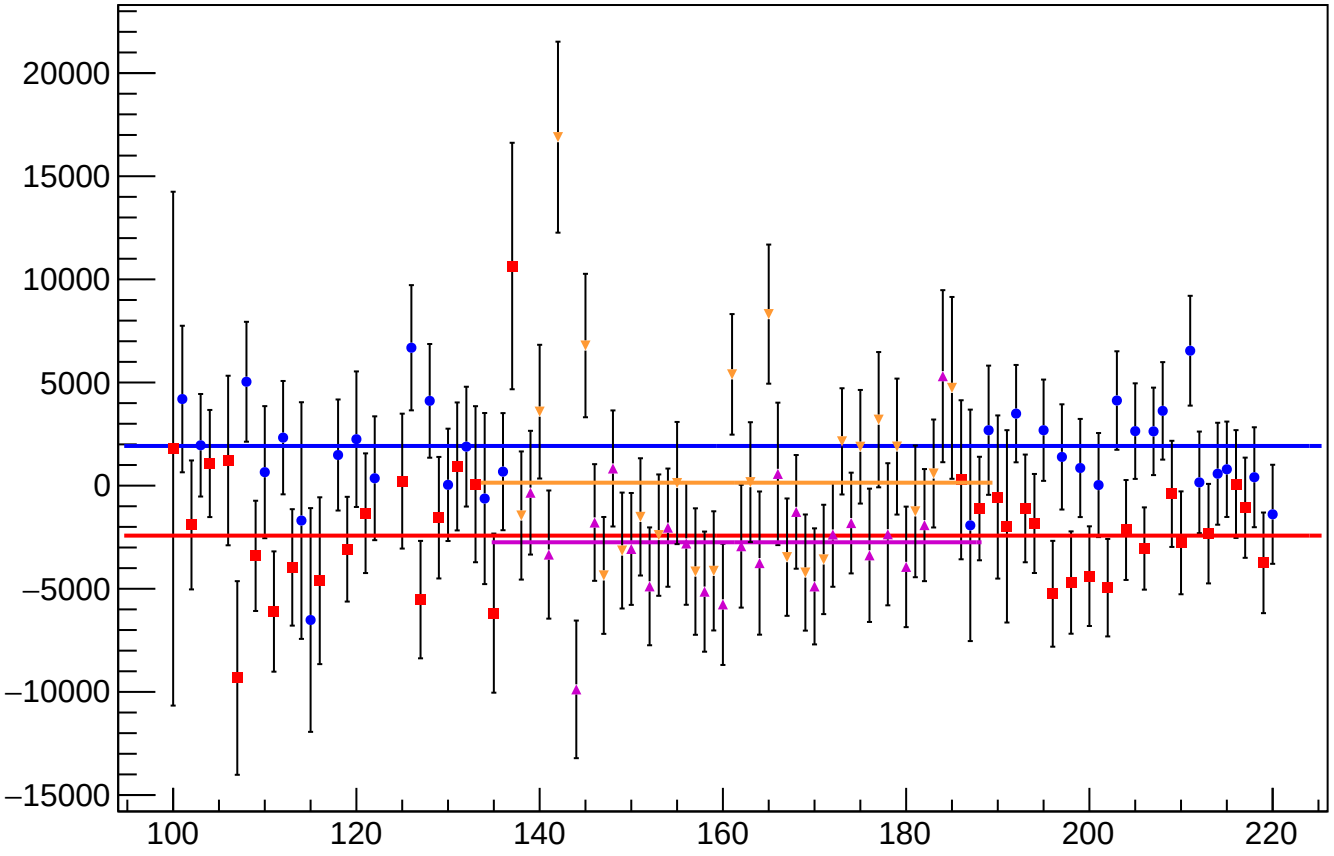
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2709.270+/-0.488 χ^2/NDF: 49292346.0/57

All: 2583.629+/-0.346 χ^2/NDF: 103604678.3

- sign 2455.500+/-0.492 χ^2/NDF: 54178177.1/59

dit_asym_atl2_mean vs Slug



Right In: 1923.496+/-476.652 χ^2/NDF: 18.8/32

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2423.241+/-477.197 χ^2/NDF: 24.1/35

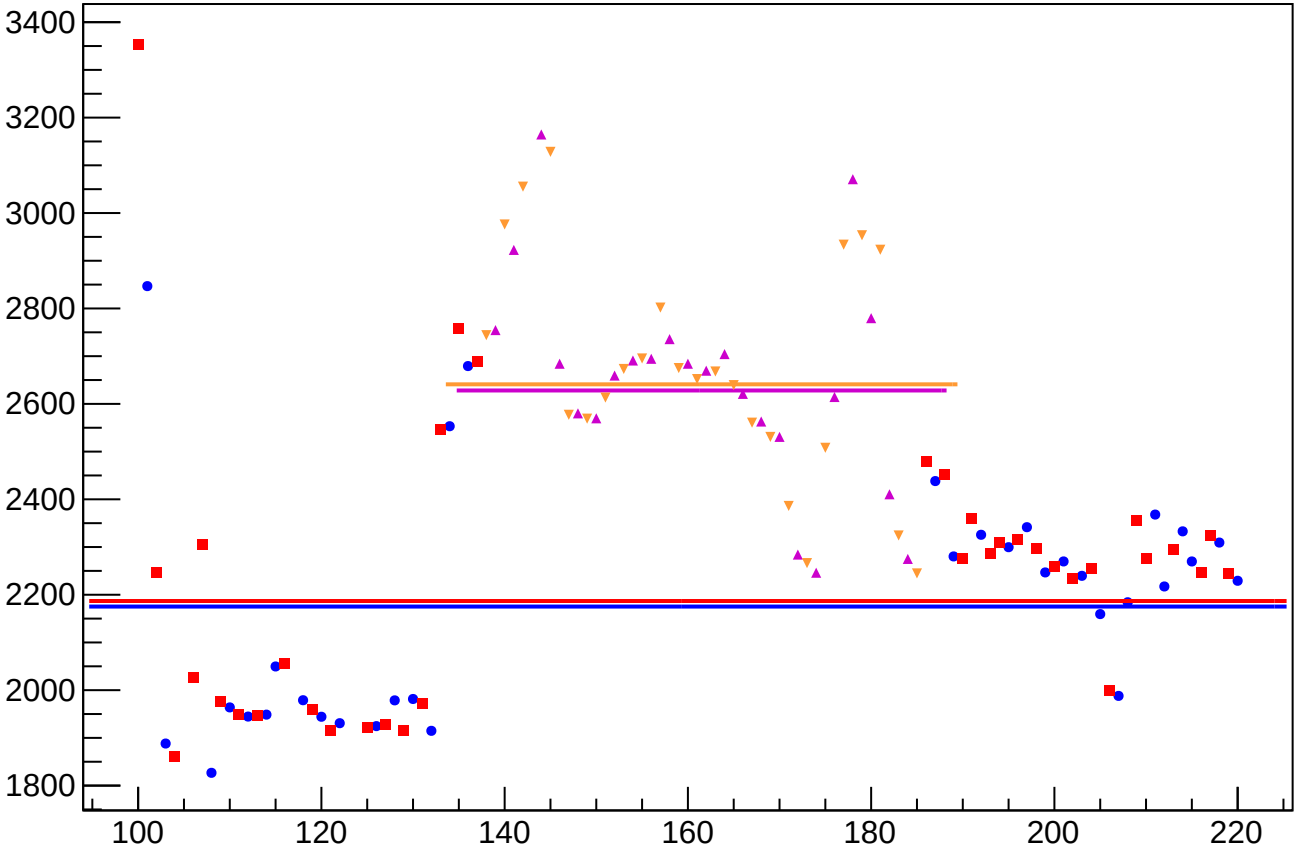
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1256.130+/-376.913 χ^2/NDF: 69.9/56

All: -642.252+/-266.645 χ^2/NDF: 160.4/115

- sign -2544.253+/-377.272 χ^2/NDF: 39.7/58

dit_asym_atl2_rms vs Slug



Right In: 2175.240+/-0.337 χ^2/NDF: 397251.6/32

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2186.873+/-0.337 χ^2/NDF: 362794.6/35

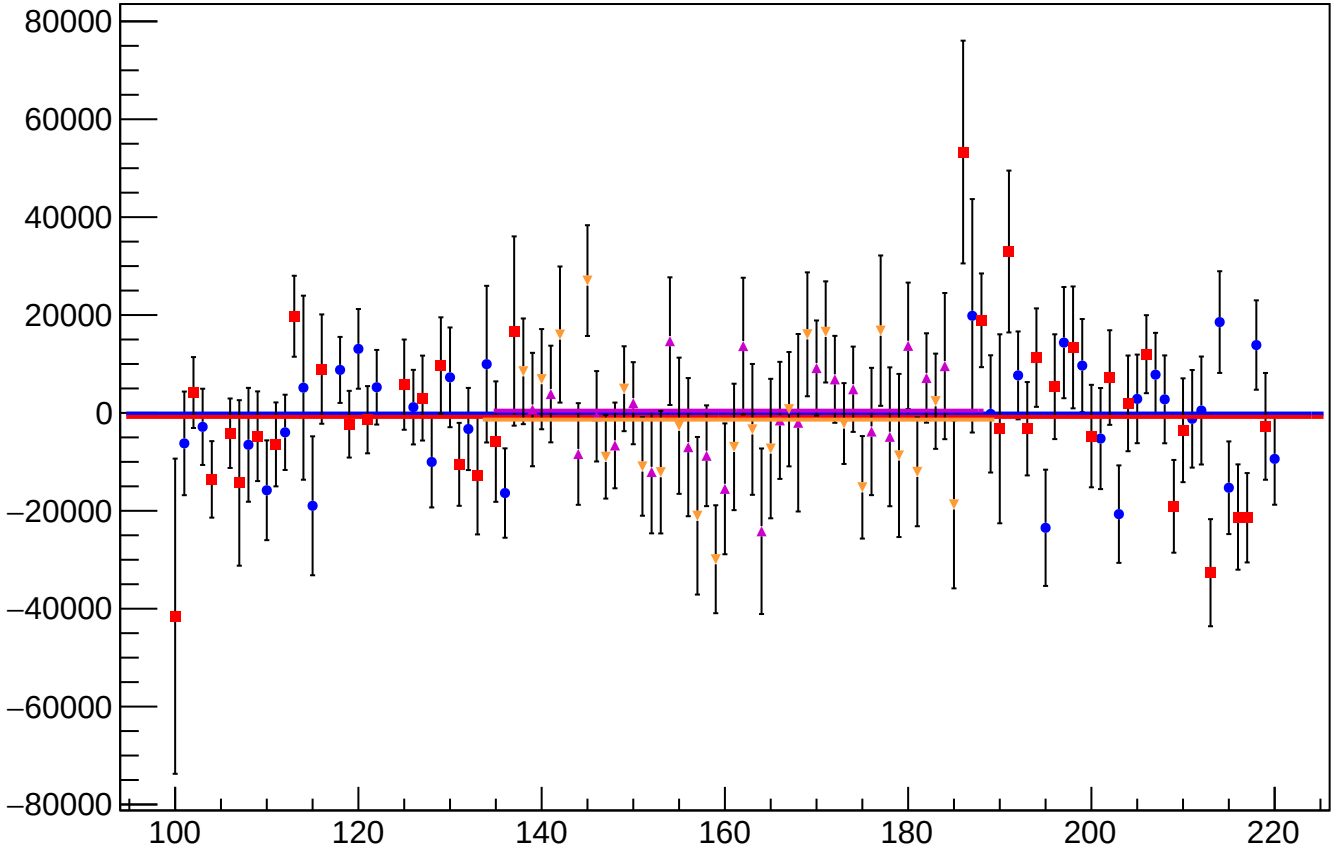
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2349.763+/-0.267 χ^2/NDF: 1366193.8/56

All: 2350.979+/-0.189 χ^2/NDF: 2607966.9/11

- sign 2352.196+/-0.267 χ^2/NDF: 1241731.4/58

asym_atl2_dit_correction_mean vs Slug



Right In: -129.453+/-1674.133 χ^2/NDF: 38.2/32

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: -814.039+/-1633.329 χ^2/NDF: 60.1/35

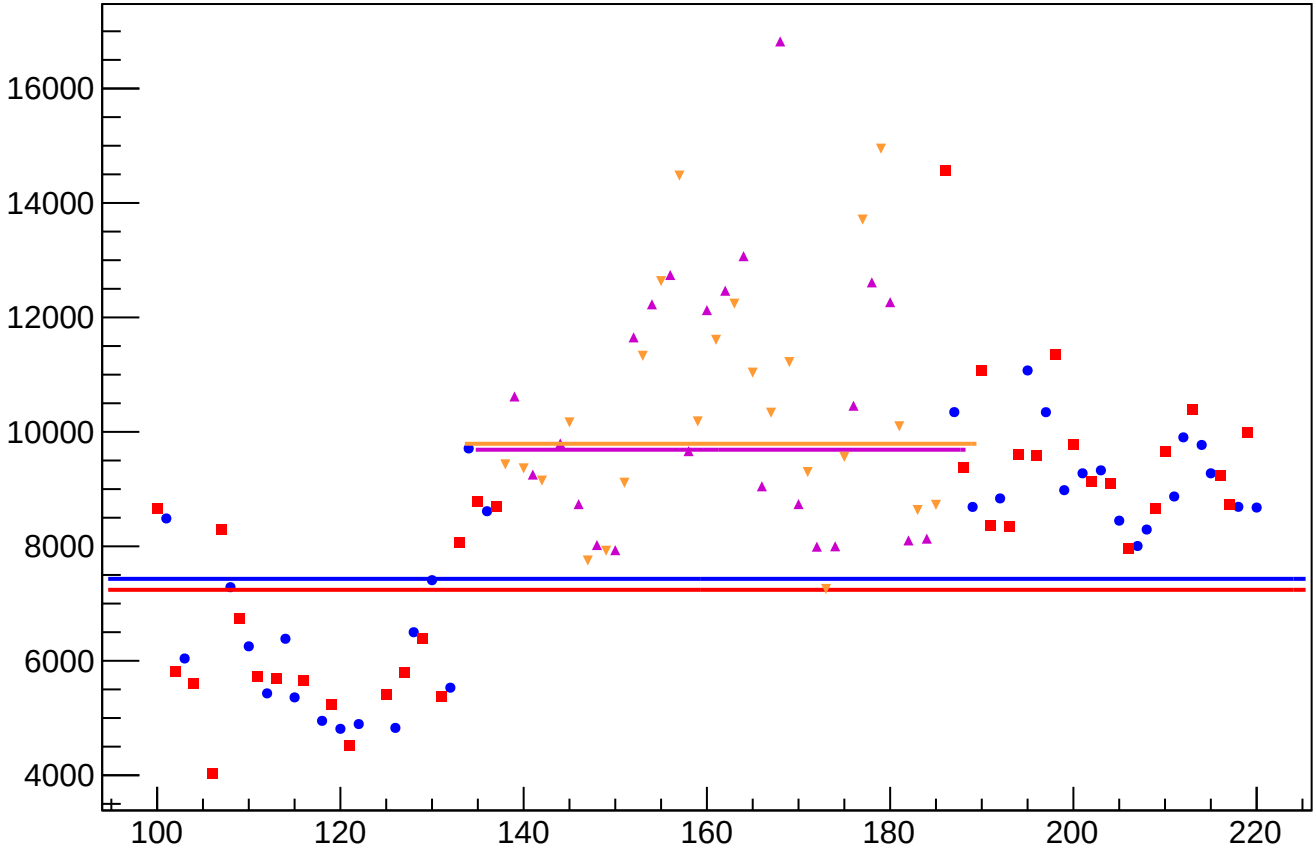
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -551.648+/-1358.836 χ^2/NDF: 69.7/56

All: -468.971+/-952.118 χ^2/NDF: 143.0/115

- sign -389.231+/-1334.491 χ^2/NDF: 73.4/58

asym_atl2_dit_correction_rms vs Slug



Right In: 7431.858+/-1.184 χ^2/NDF: 2479972.6/32

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

Right Out: 7240.136+/-1.155 χ^2/NDF: 3243484.9/35

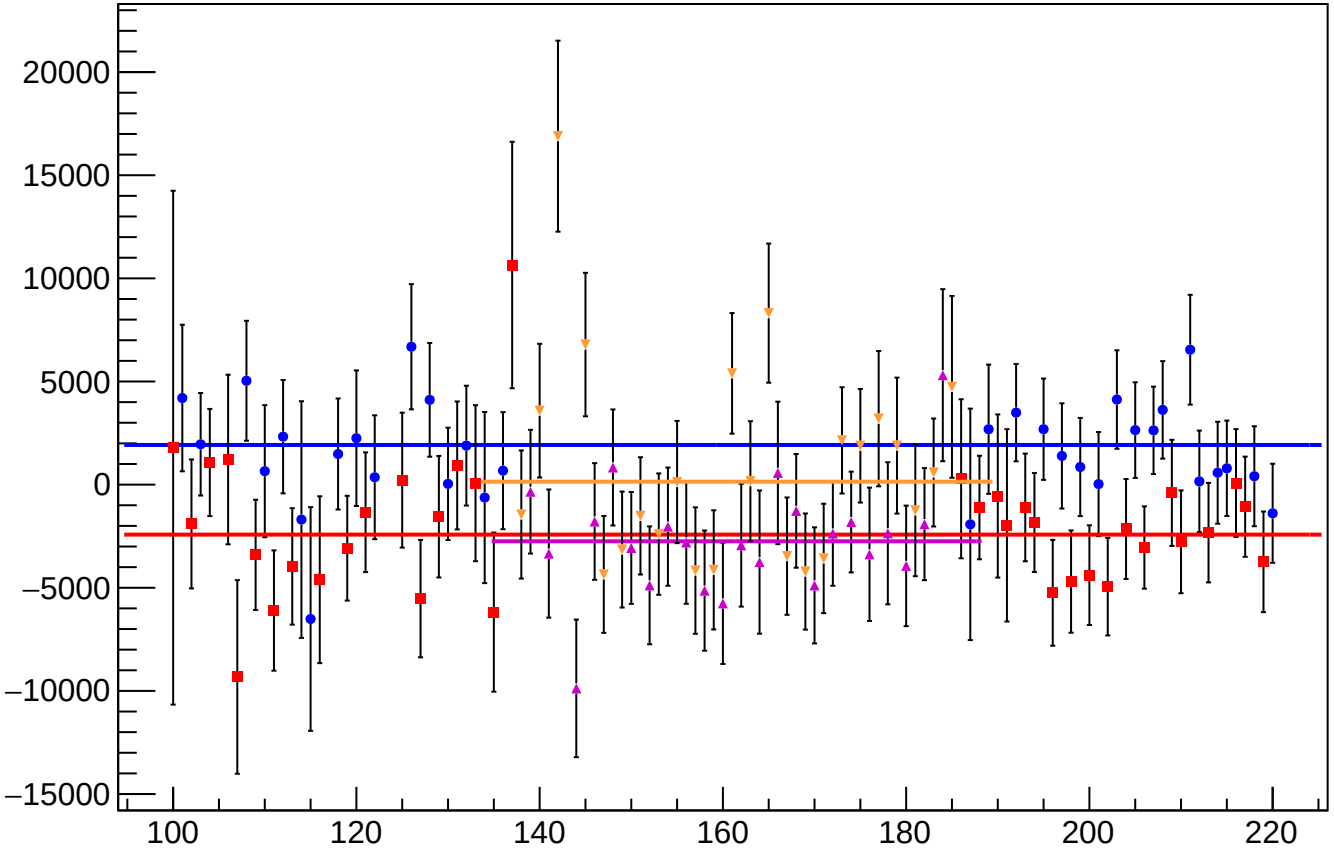
Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 8237.214+/-0.961 χ^2/NDF: 5055534.5/56

All: 8143.944+/-0.673 χ^2/NDF: 11189345.1/1

- sign 8053.986+/-0.944 χ^2/NDF: 6115299.5/58

eigen_dit_asym_atl2_mean vs Slug



Right In: 1923.499+/-476.652 χ^2/NDF: 18.8/32

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2423.236+/-477.197 χ^2/NDF: 24.1/35

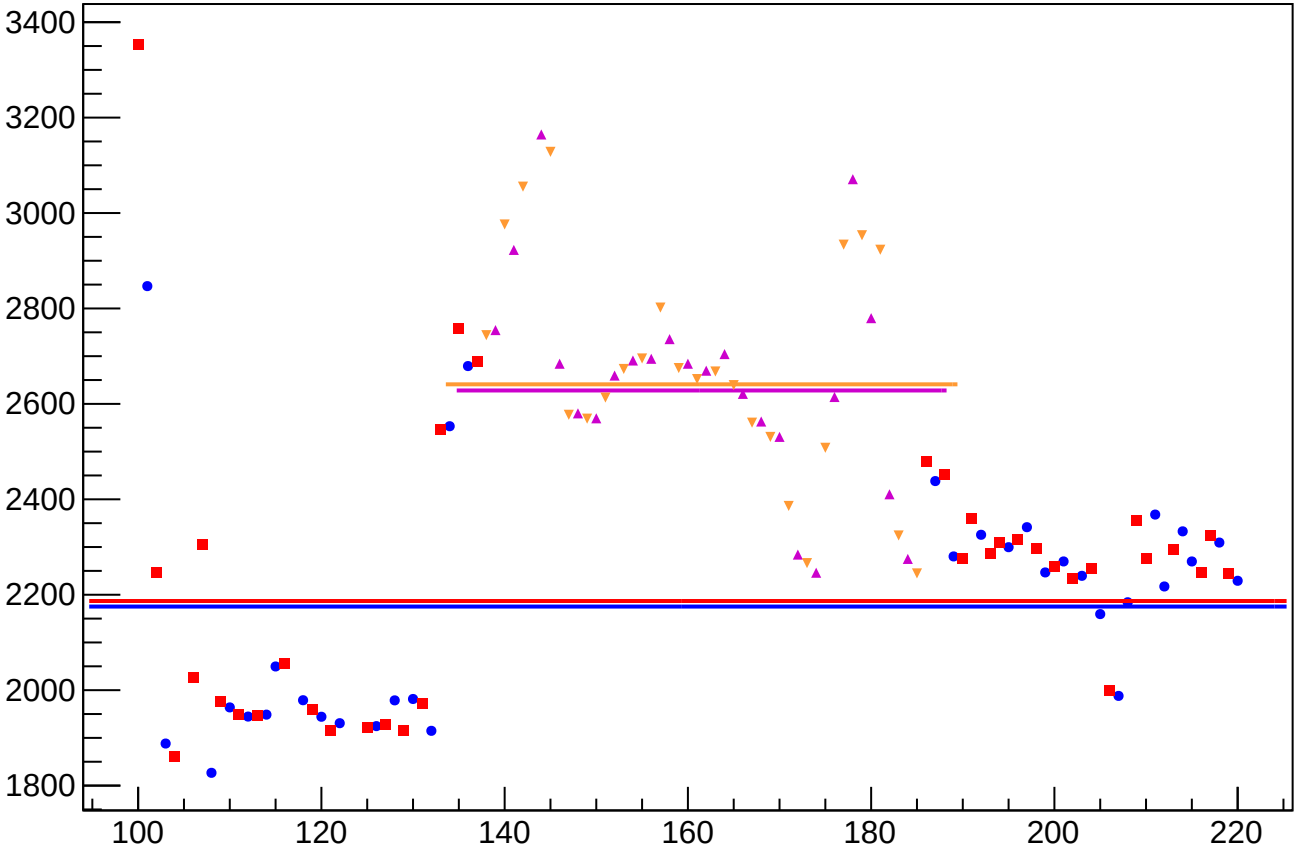
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1256.130+/-376.913 χ^2/NDF: 69.9/56

All: -642.251+/-266.645 χ^2/NDF: 160.4/115

- sign -2544.249+/-377.272 χ^2/NDF: 39.7/58

eigen_dit_asym_atl2_rms vs Slug



Right In: 2175.240+/-0.337 χ^2/NDF: 397251.6/32

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2186.873+/-0.337 χ^2/NDF: 362795.2/35

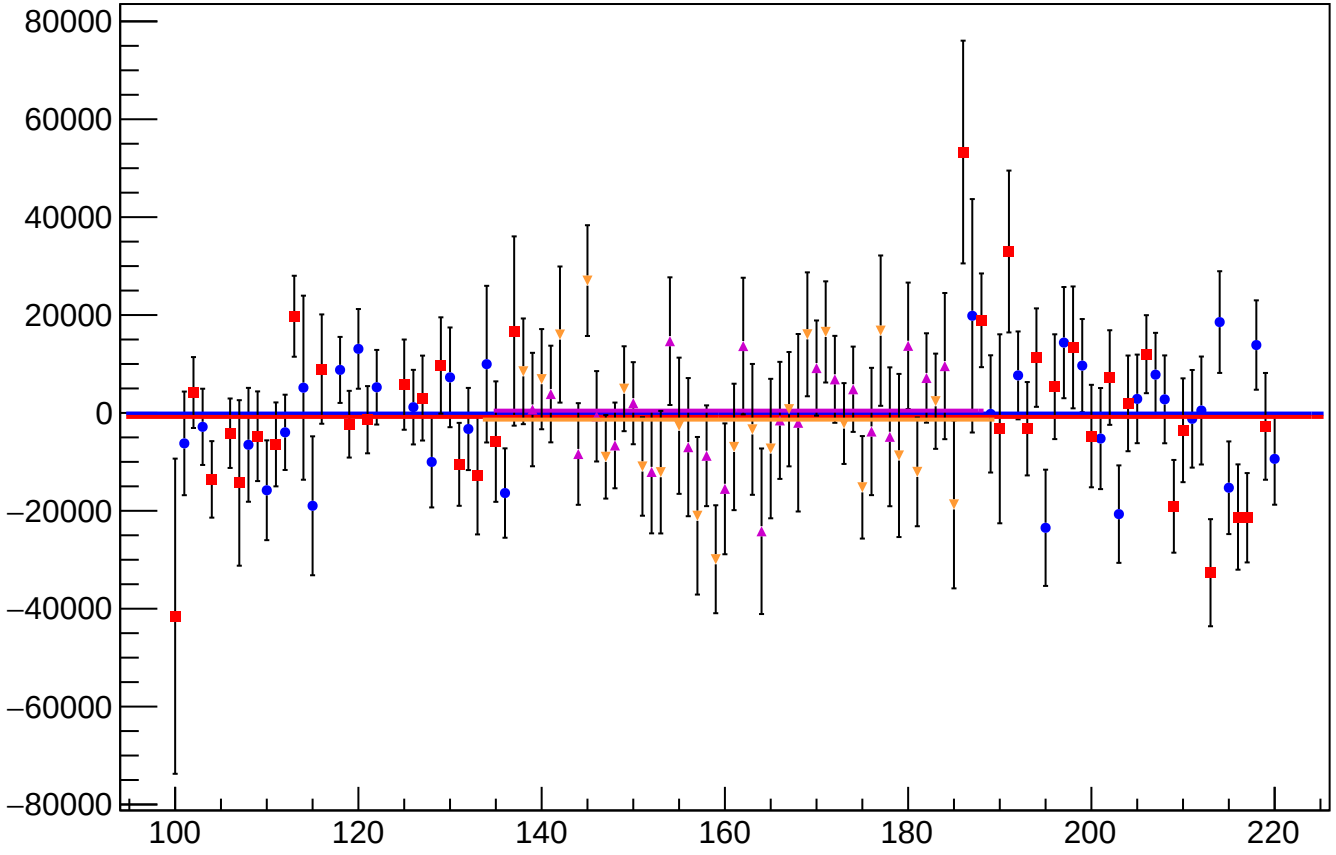
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2349.764+/-0.267 χ^2/NDF: 1366208.5/56

All: 2350.980+/-0.189 χ^2/NDF: 2607997.3/11

- sign 2352.197+/-0.267 χ^2/NDF: 1241747.0/58

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -129.447+/-1674.132 χ^2/NDF: 38.2/32

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: -814.044+/-1633.327 χ^2/NDF: 60.1/35

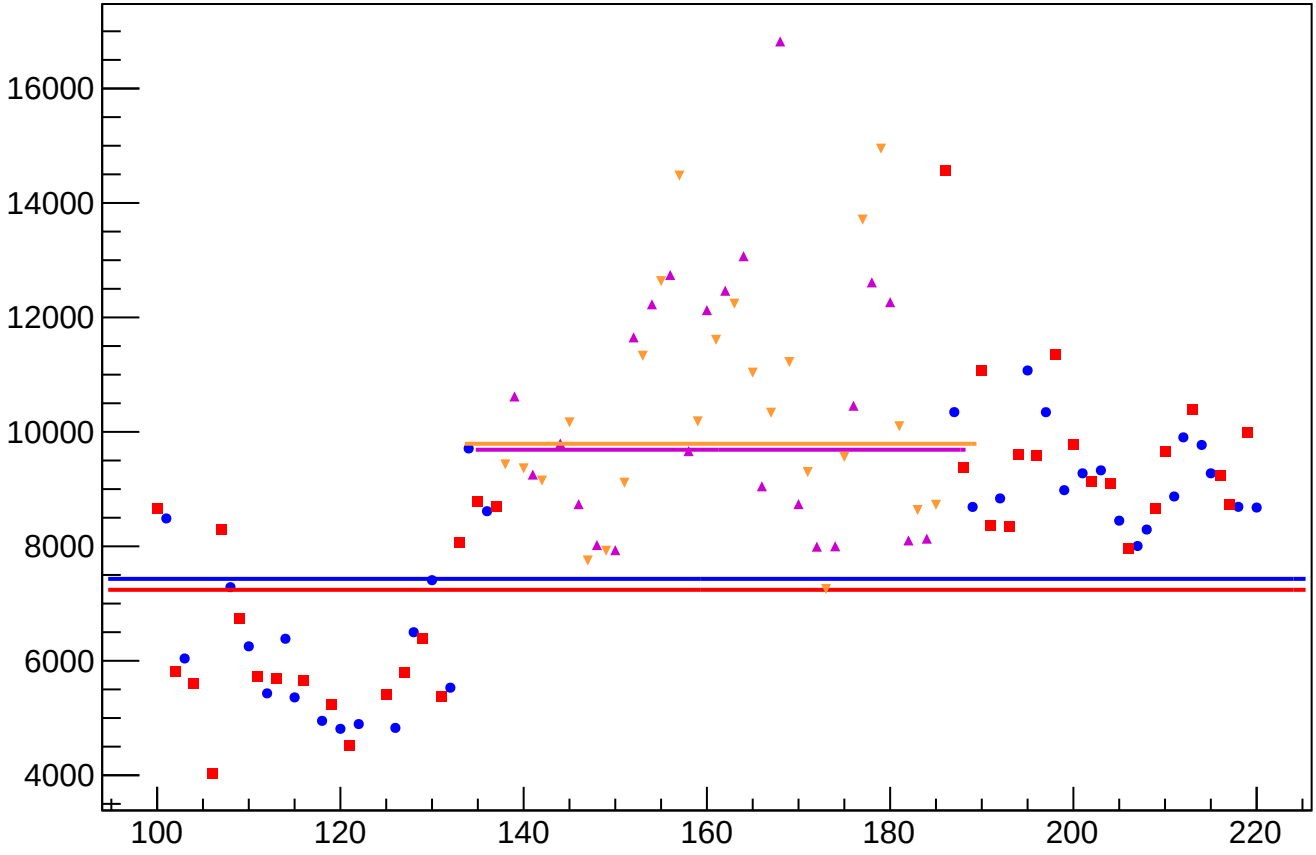
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -551.646+/-1358.837 χ^2/NDF: 69.7/56

All: -468.972+/-952.119 χ^2/NDF: 143.0/115

- sign -389.235+/-1334.491 χ^2/NDF: 73.4/58

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 7431.850+/-1.184 χ^2/NDF: 2480025.6/32

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

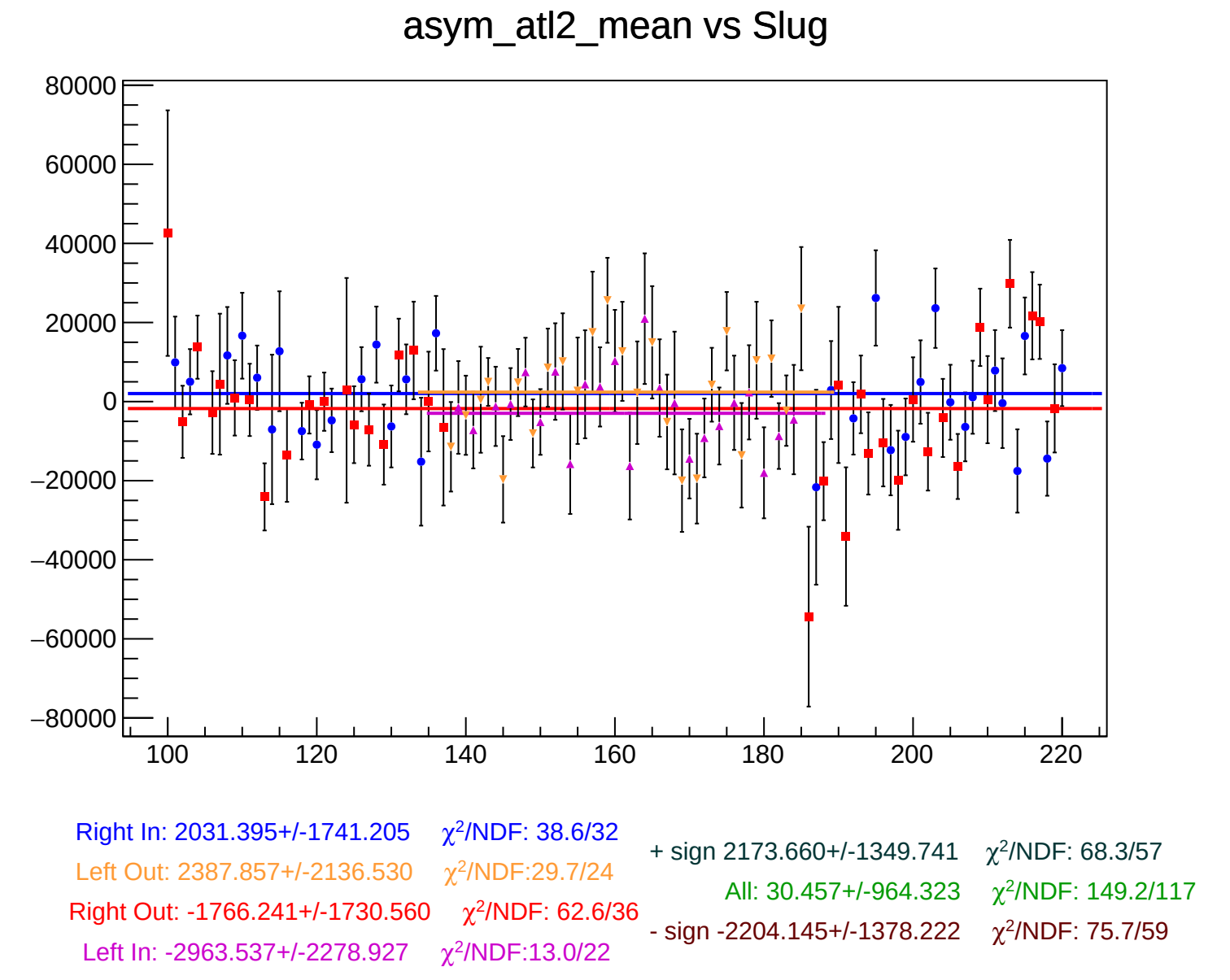
Right Out: 7240.125+/-1.155 χ^2/NDF: 3243529.0/35

Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

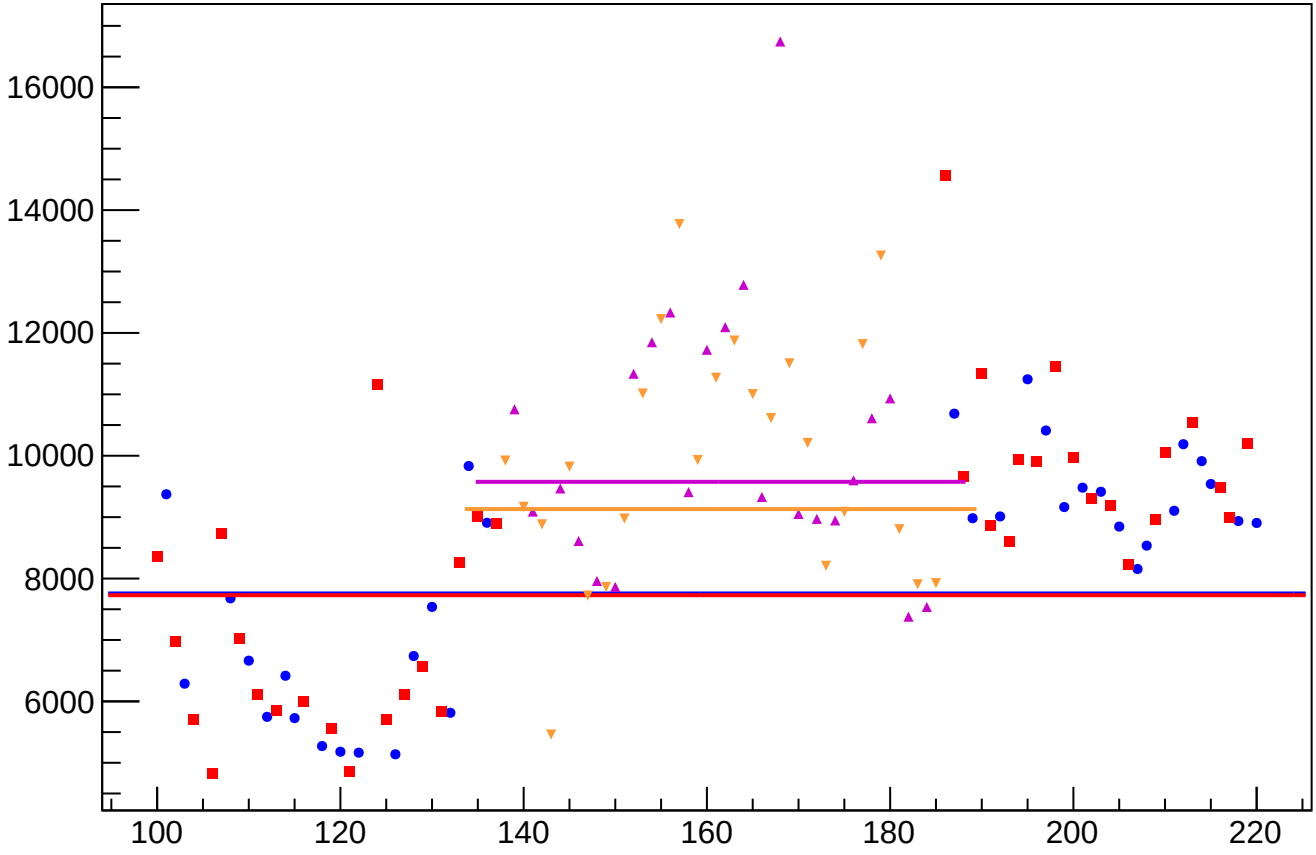
+ sign 8237.212+/-0.961 χ^2/NDF: 5055613.9/56

All: 8143.940+/-0.673 χ^2/NDF: 11189501.0/1

- sign 8053.981+/-0.944 χ^2/NDF: 6115375.5/58


asym_atl2_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
100
120
140
160
180
200
220
Right In: 2031.395+/-1741.205 χ²/NDF: 38.6/32
Left Out: 2387.857+/-2136.530 χ²/NDF:29.7/24
Right Out: -1766.241+/-1730.560 χ²/NDF: 62.6/36
Left In: -2963.537+/-2278.927 χ²/NDF:13.0/22
+ sign 2173.660+/-1349.741 χ²/NDF: 68.3/57
All: 30.457+/-964.323 χ²/NDF: 149.2/117
- sign -2204.145+/-1378.222 χ²/NDF: 75.7/59

asym_atl2_rms vs Slug



Right In: 7757.036+/-1.231 χ^2/NDF: 2195300.2/32

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

Right Out: 7729.124+/-1.224 χ^2/NDF: 2638559.5/36

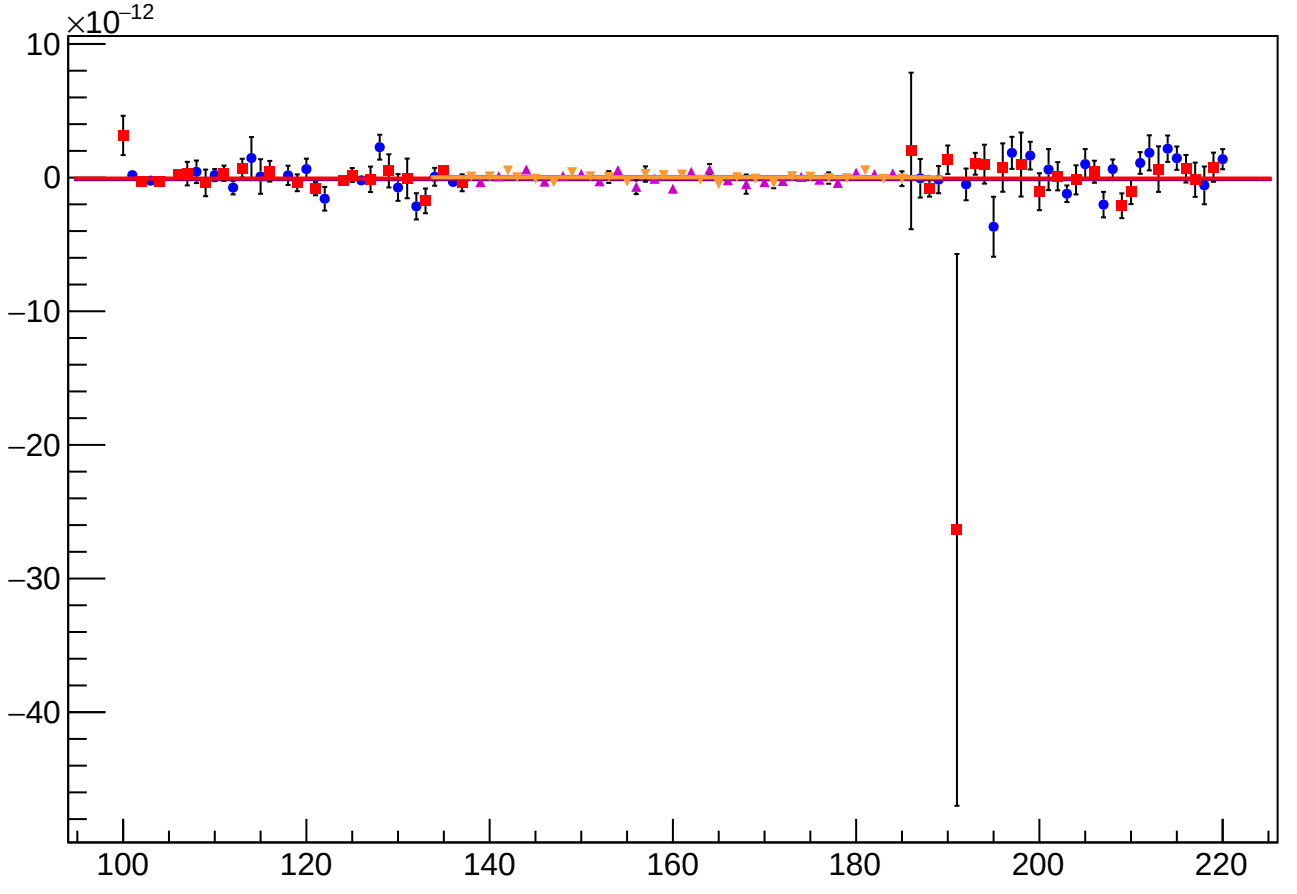
Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8305.672+/-0.954 χ^2/NDF: 4504486.9/57

All: 8353.969+/-0.682 χ^2/NDF: 9134511.7/11

- sign 8404.326+/-0.975 χ^2/NDF: 4624794.1/59

asym_atl2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 56.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.6/36

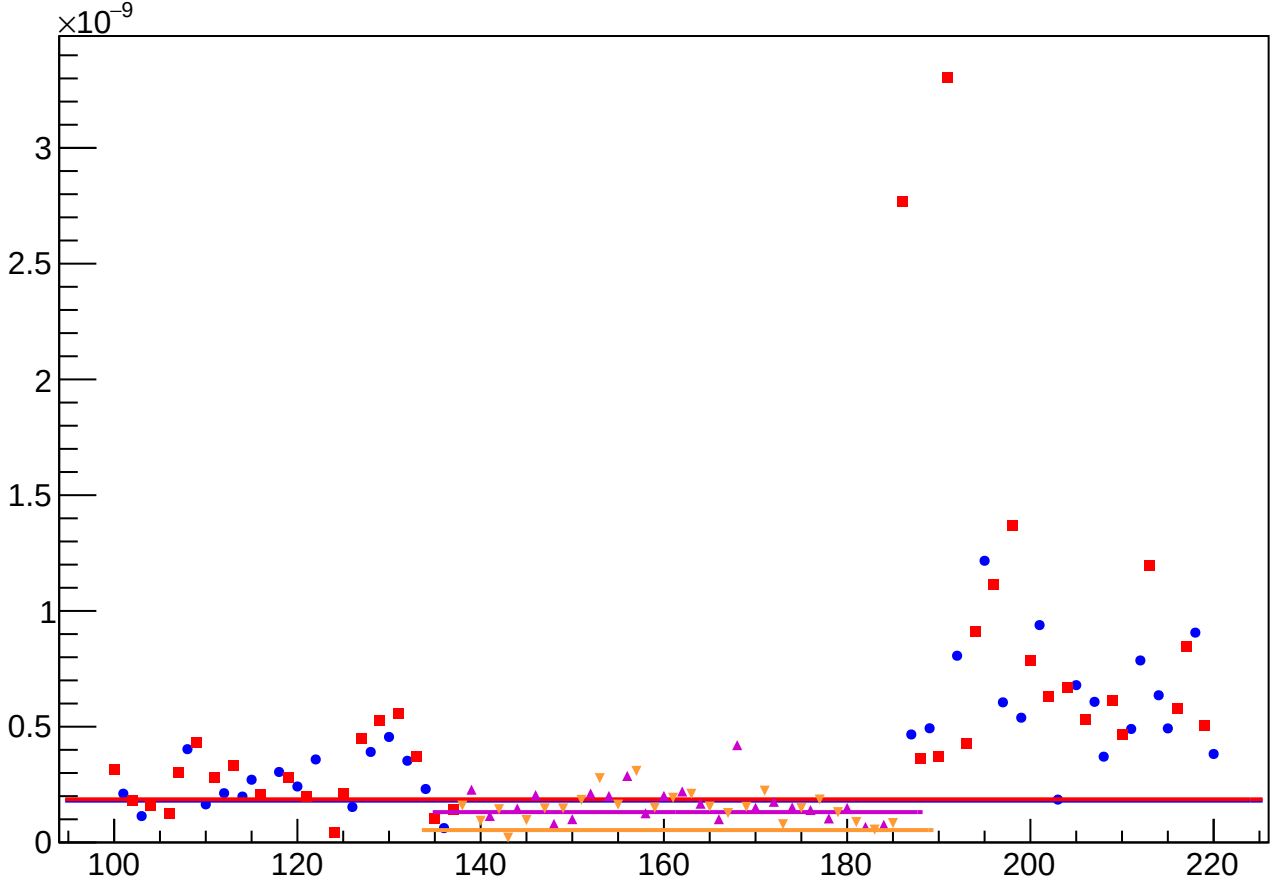
Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.8/57

All: 0.000+/-0.000 χ^2/NDF: 151.5/117

- sign 0.000+/-0.000 χ^2/NDF: 74.6/59

asym_atl2_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7526911.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9010674.6/36

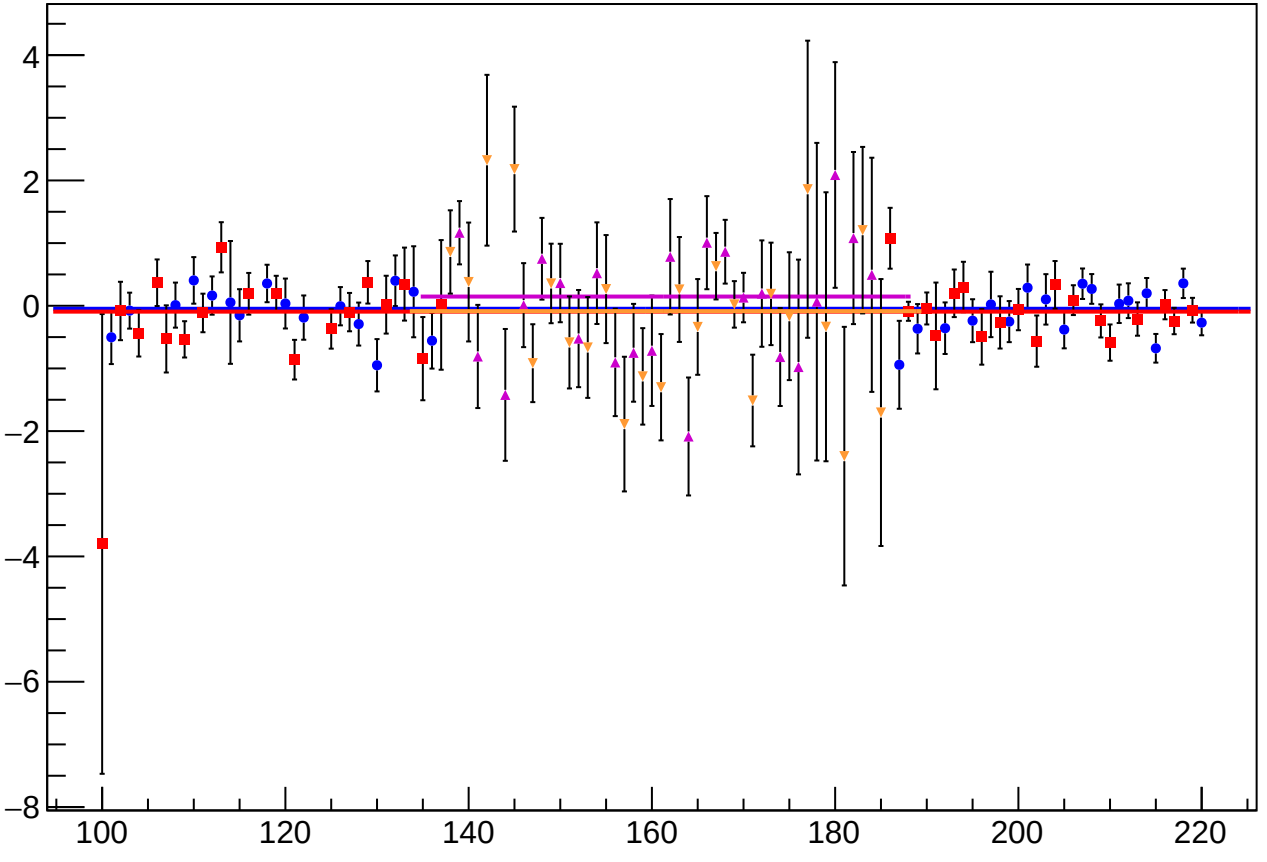
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 18485144.3/57

All: 0.000+/-0.000 χ^2/NDF: 34226773.4/117

- sign 0.000+/-0.000 χ^2/NDF: 11464395.3/59

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.048+/-0.057 χ^2/NDF: 36.4/32

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.094+/-0.053 χ^2/NDF: 41.2/35

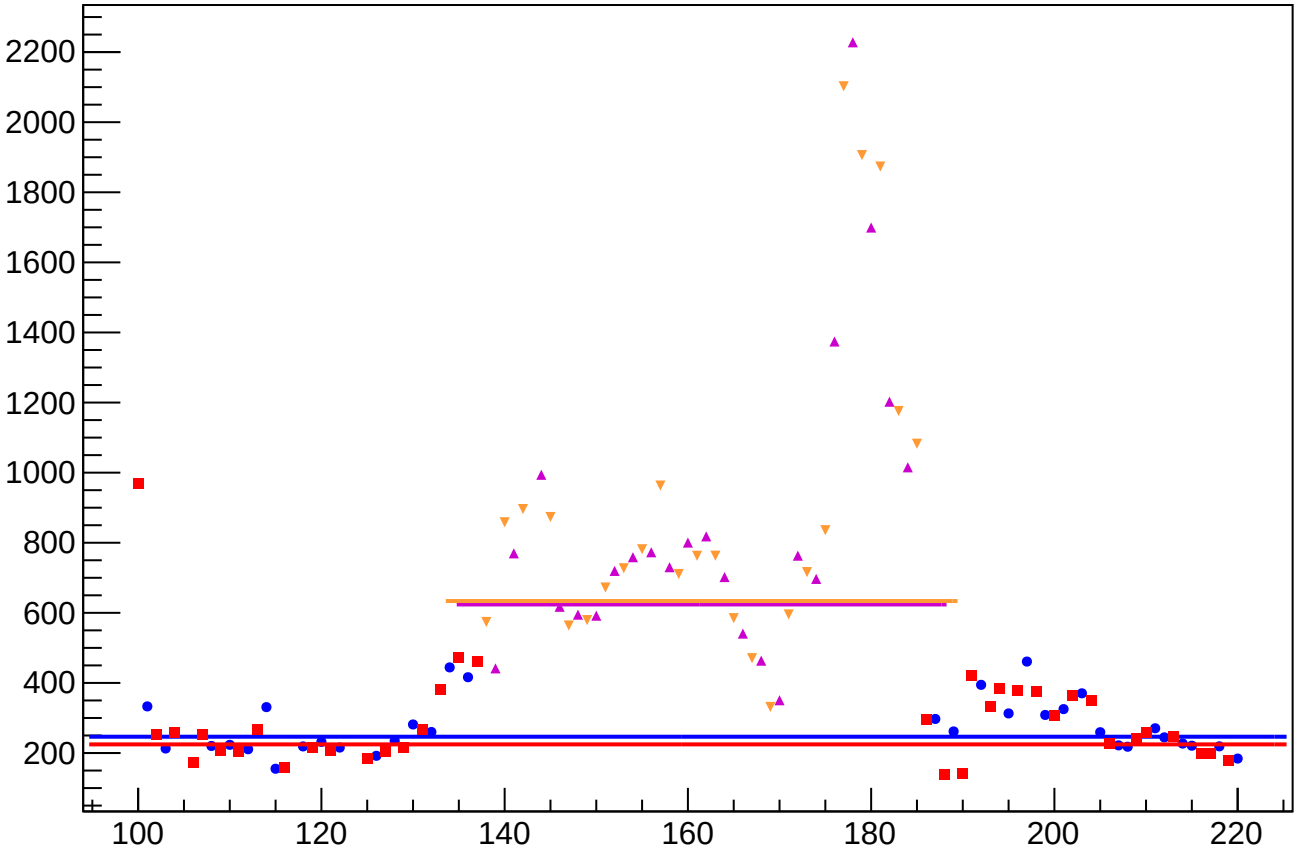
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.052+/-0.053 χ^2/NDF: 66.7/56

All: -0.061+/-0.037 χ^2/NDF: 136.5/115

- sign -0.069+/-0.050 χ^2/NDF: 69.8/58

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 246.515+/-0.040 χ^2/NDF: 2182293.2/32

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 224.660+/-0.037 χ^2/NDF: 3630947.9/35

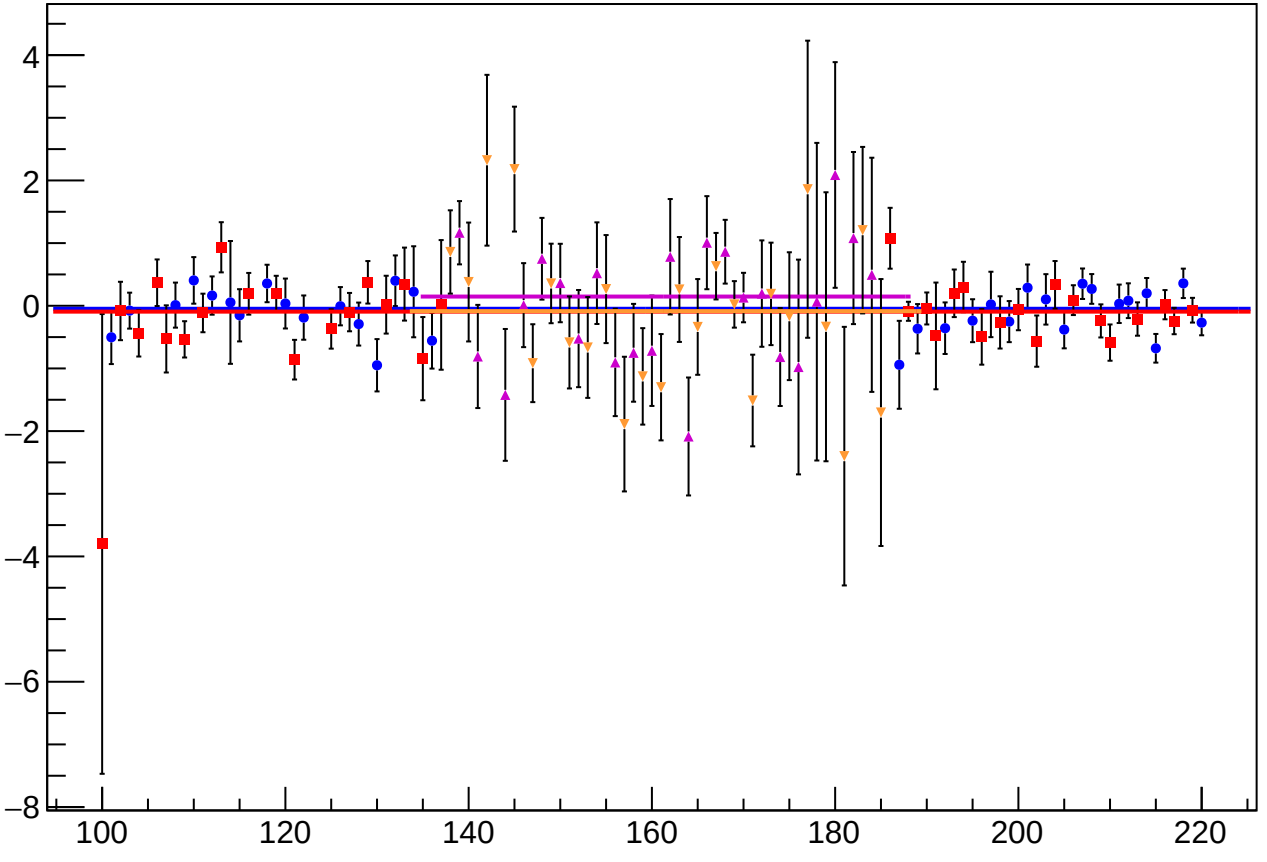
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 289.023+/-0.038 χ^2/NDF: 17416917.8/56

All: 276.069+/-0.026 χ^2/NDF: 37268749.1/11

- sign 264.704+/-0.035 χ^2/NDF: 19631626.9/58

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.048+/-0.057 χ^2/NDF: 36.4/32

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.094+/-0.053 χ^2/NDF: 41.2/35

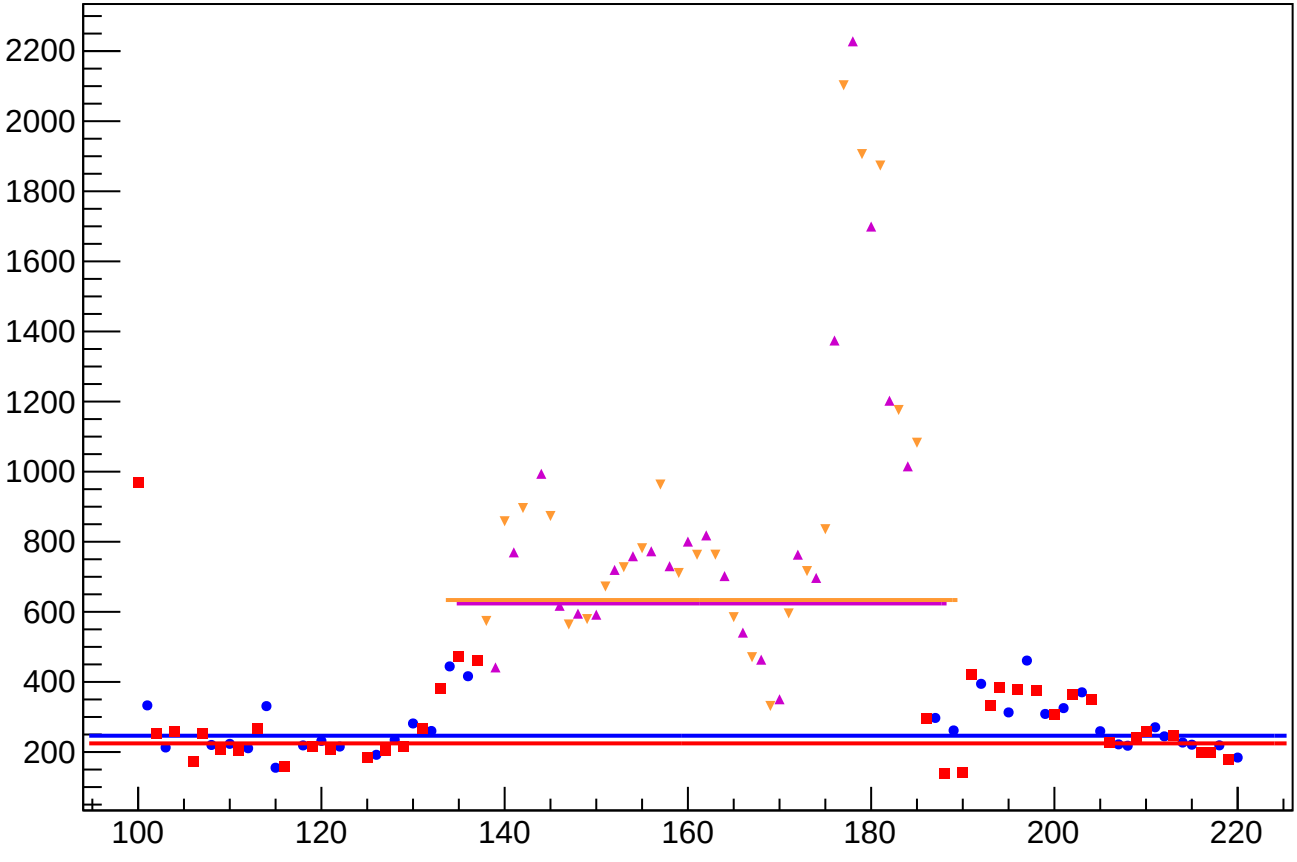
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.052+/-0.053 χ^2/NDF: 66.7/56

All: -0.061+/-0.037 χ^2/NDF: 136.5/115

- sign -0.069+/-0.050 χ^2/NDF: 69.8/58

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 246.515+/-0.040 χ^2/NDF: 2182293.2/32

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 224.660+/-0.037 χ^2/NDF: 3630947.9/35

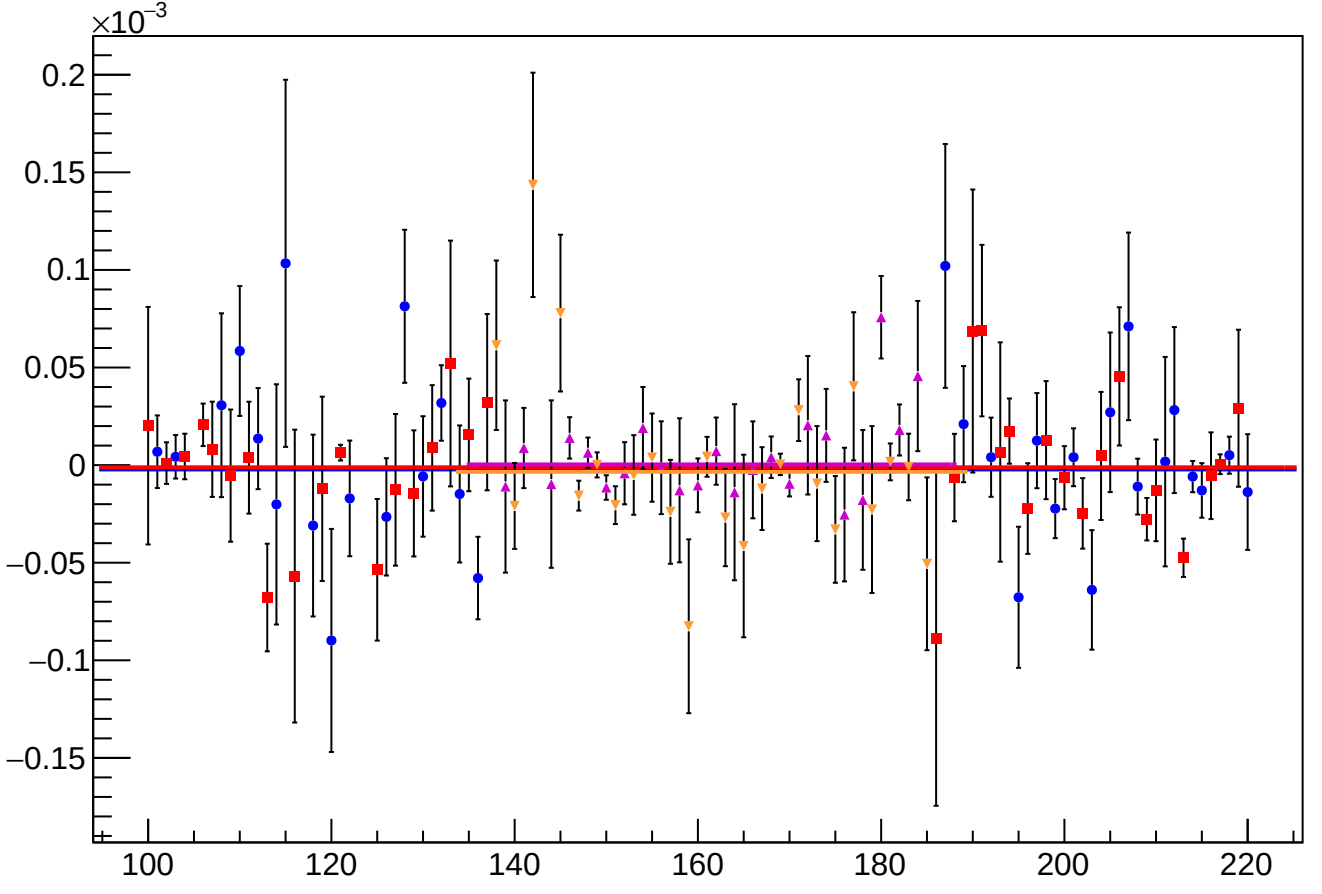
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 289.023+/-0.038 χ^2/NDF: 17416917.8/56

All: 276.069+/-0.026 χ^2/NDF: 37268749.1/11

- sign 264.704+/-0.035 χ^2/NDF: 19631626.9/58

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 42.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 58.2/35

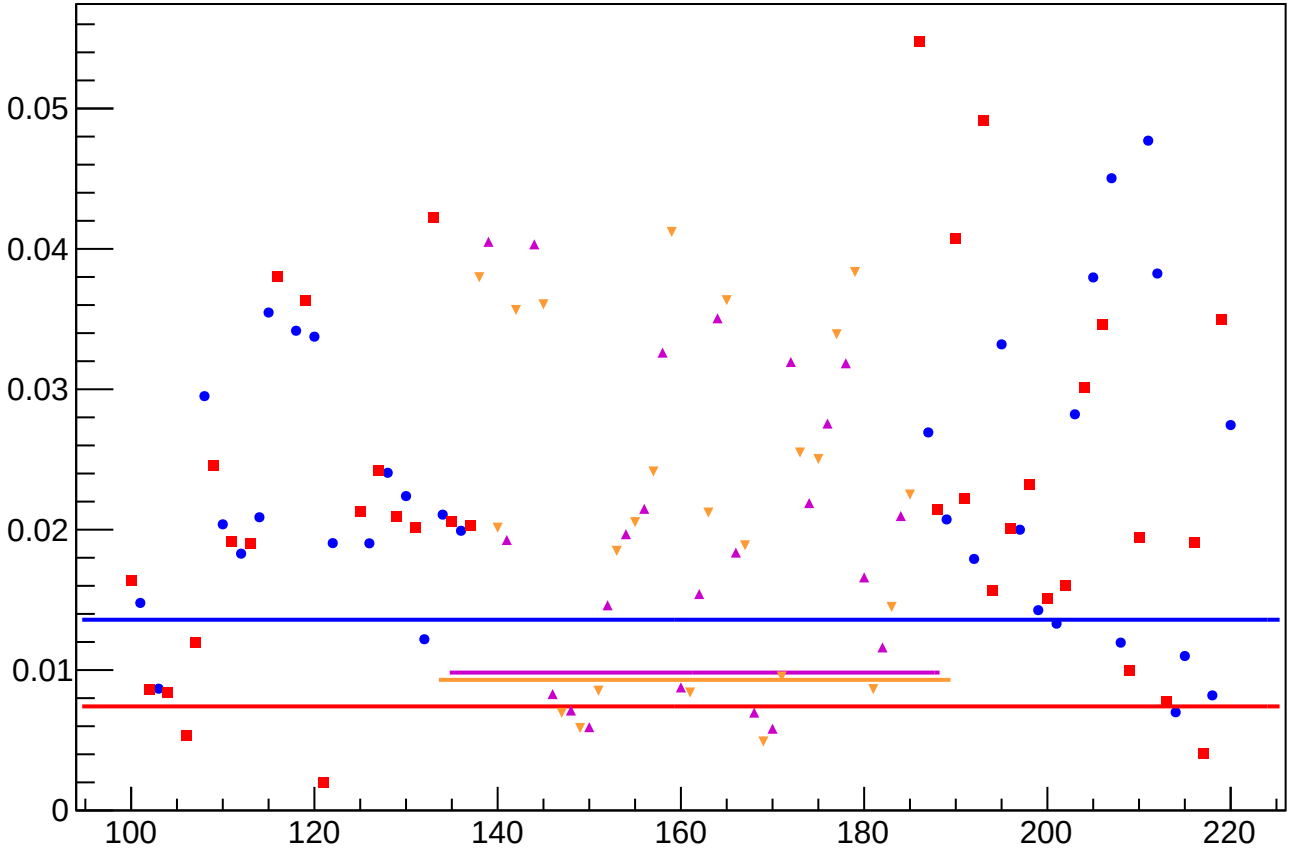
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.2/56

All: -0.000+/-0.000 χ^2/NDF: 164.2/115

- sign -0.000+/-0.000 χ^2/NDF: 86.2/58

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9338680.8/32

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.007+/-0.000 χ^2/NDF: 19365830.7/35

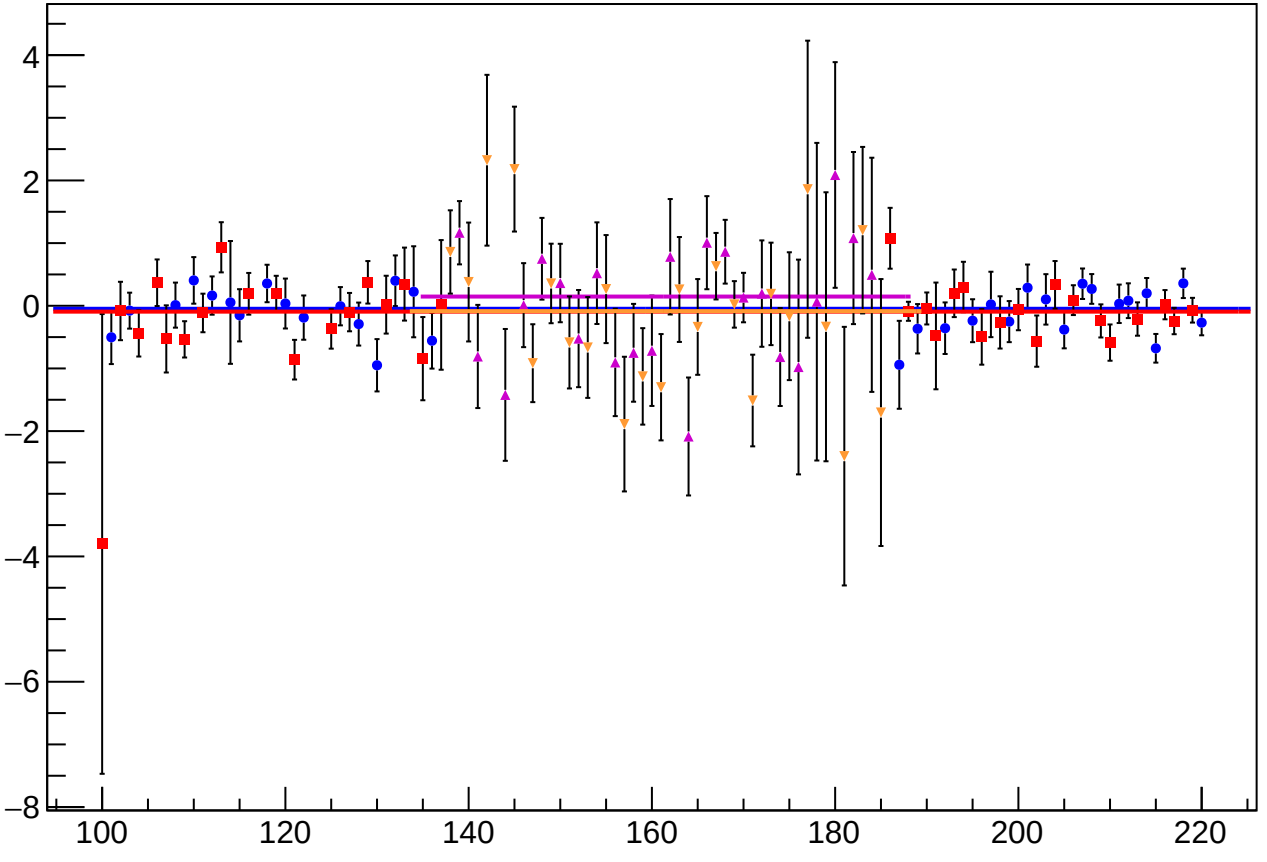
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 23397702.3/56

All: 0.009+/-0.000 χ^2/NDF: 55511653.6/115

- sign 0.008+/-0.000 χ^2/NDF: 30502140.1/58

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.048+/-0.057 χ^2/NDF: 36.4/32

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.094+/-0.053 χ^2/NDF: 41.2/35

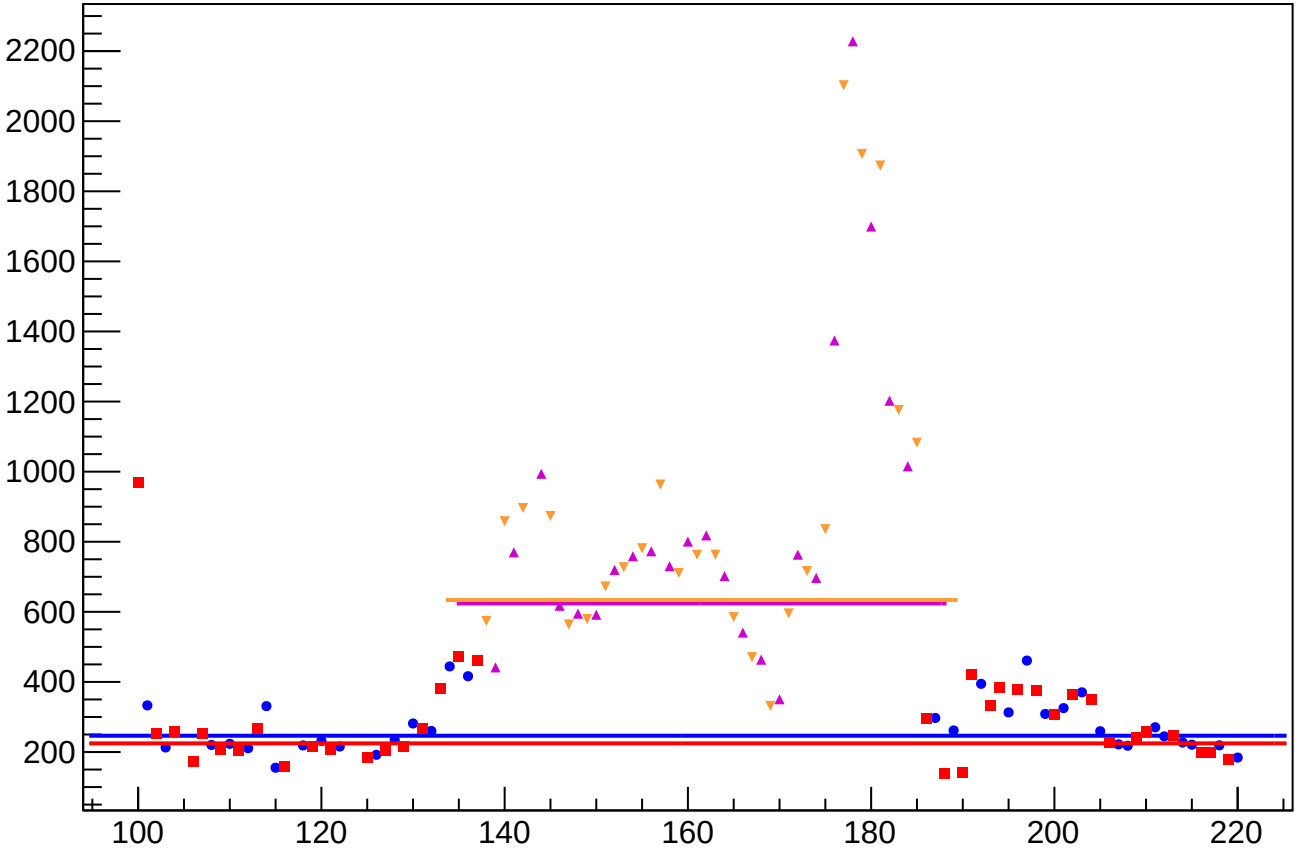
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.052+/-0.053 χ^2/NDF: 66.7/56

All: -0.061+/-0.037 χ^2/NDF: 136.5/115

- sign -0.069+/-0.050 χ^2/NDF: 69.8/58

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 246.516+/-0.040 χ^2/NDF: 2182261.0/32

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

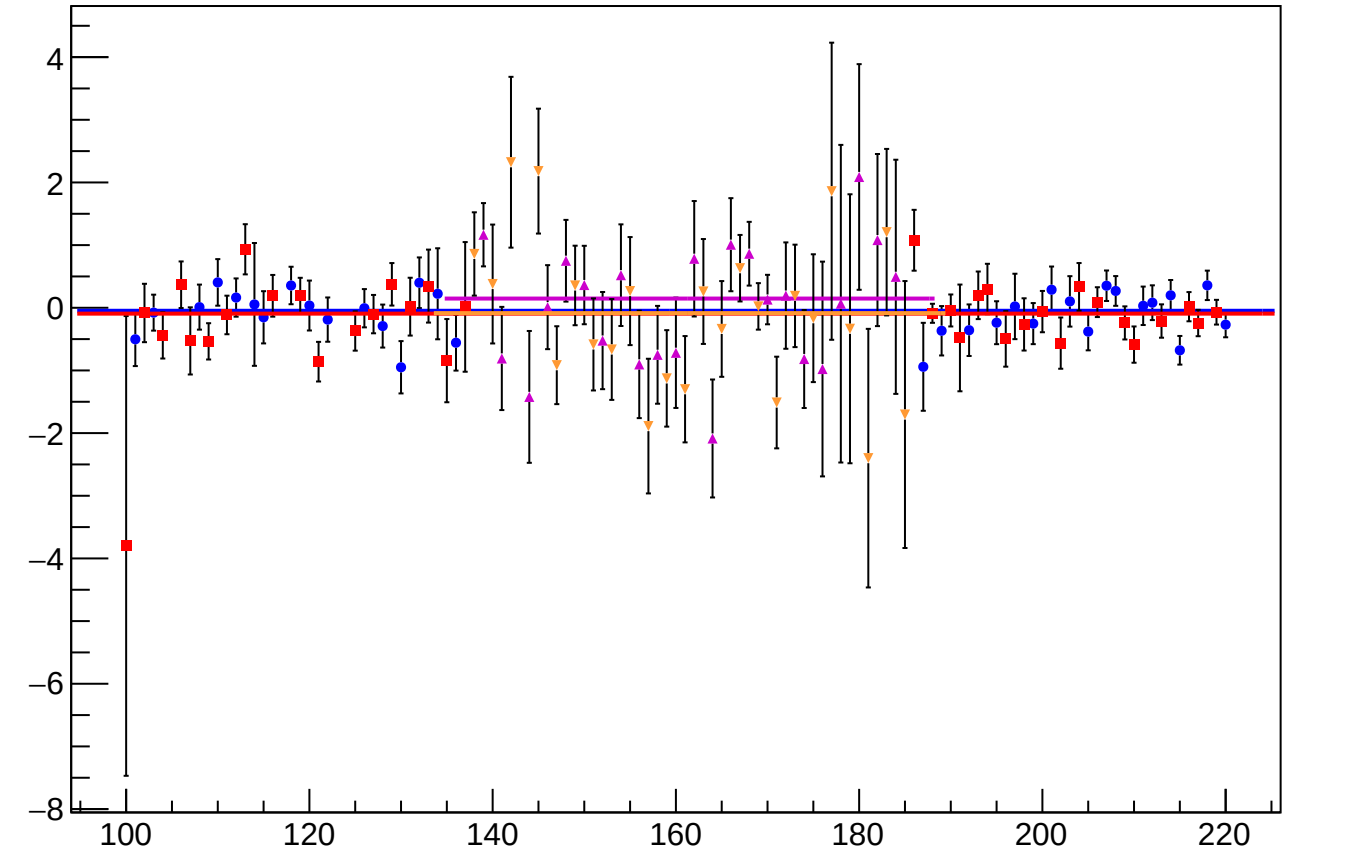
Right Out: 224.659+/-0.037 χ^2/NDF: 3631049.8/35

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 289.024+/-0.038 χ^2/NDF: 17416956.6/56

All: 276.069+/-0.026 χ^2/NDF: 37269151.6/11

- sign 264.702+/-0.035 χ^2/NDF: 19631943.2/58



Right In: -0.048+/-0.057 χ^2/NDF: 36.4/32

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

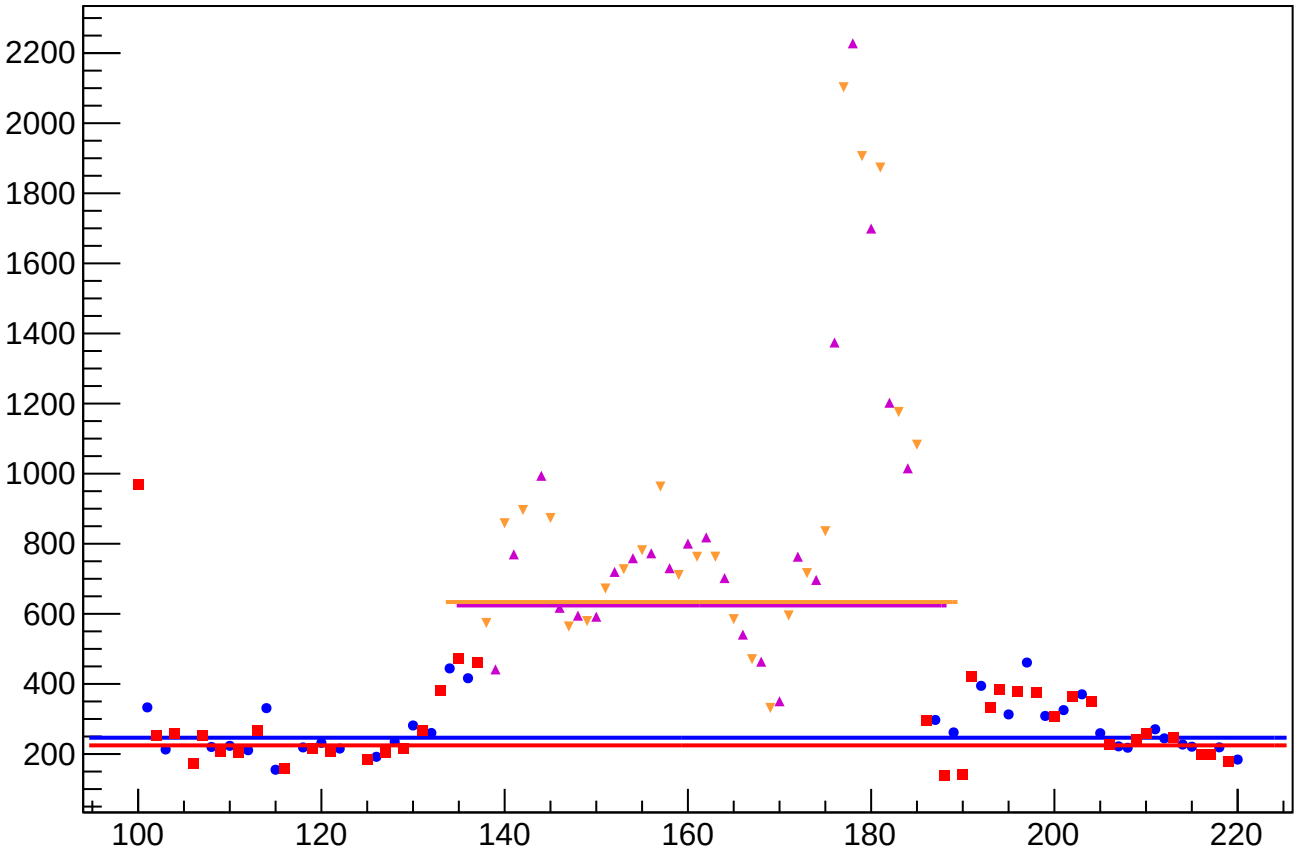
Right Out: -0.094+/-0.053 χ^2/NDF: 41.2/35

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.052+/-0.053 χ^2/NDF: 66.7/56

All: -0.061+/-0.037 χ^2/NDF: 136.5/115

- sign -0.069+/-0.050 χ^2/NDF: 69.8/58



Right In: 246.516+/-0.040 χ^2/NDF: 2182261.0/32

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 224.659+/-0.037 χ^2/NDF: 3631049.8/35

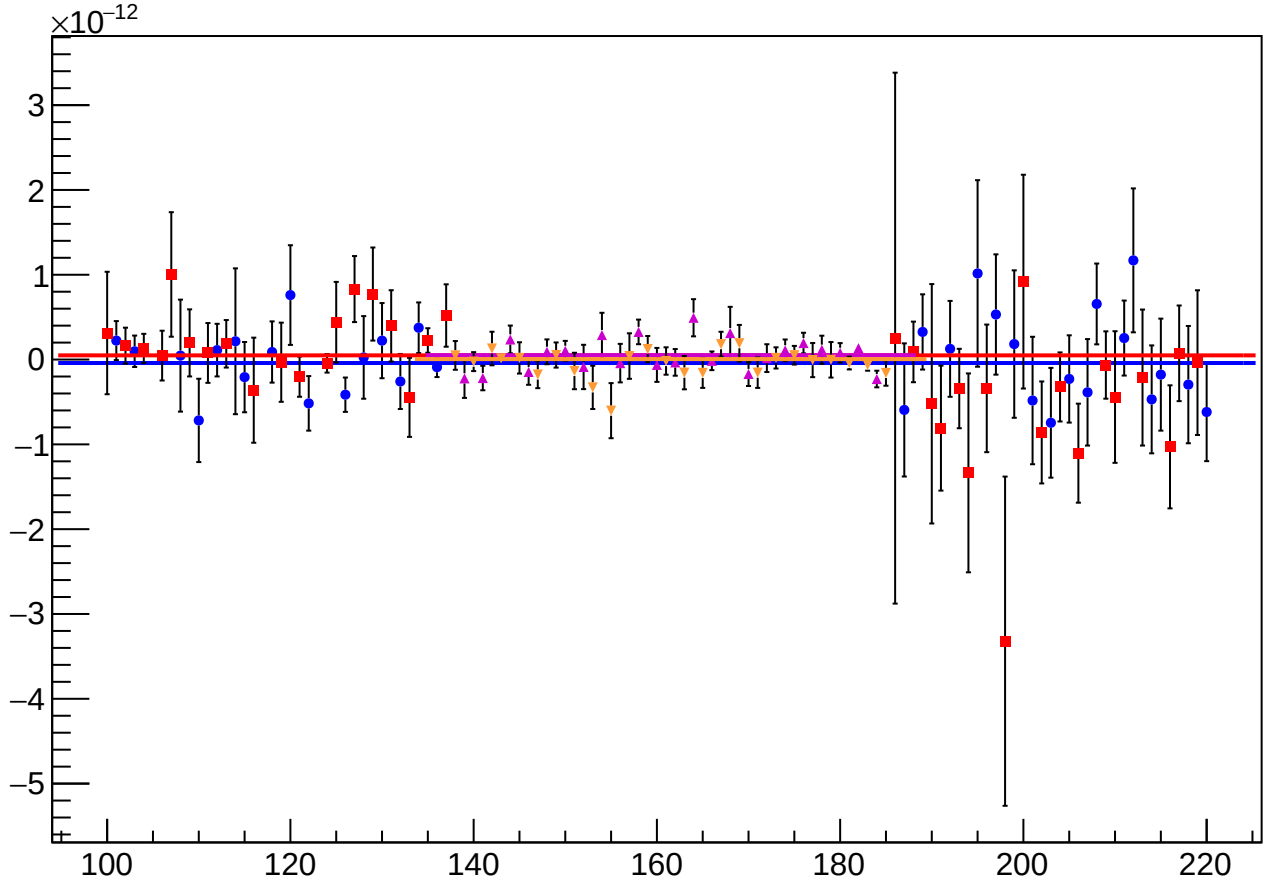
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 289.024+/-0.038 χ^2/NDF: 17416956.6/56

All: 276.069+/-0.026 χ^2/NDF: 37269151.6/11

- sign 264.702+/-0.035 χ^2/NDF: 19631943.2/58

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

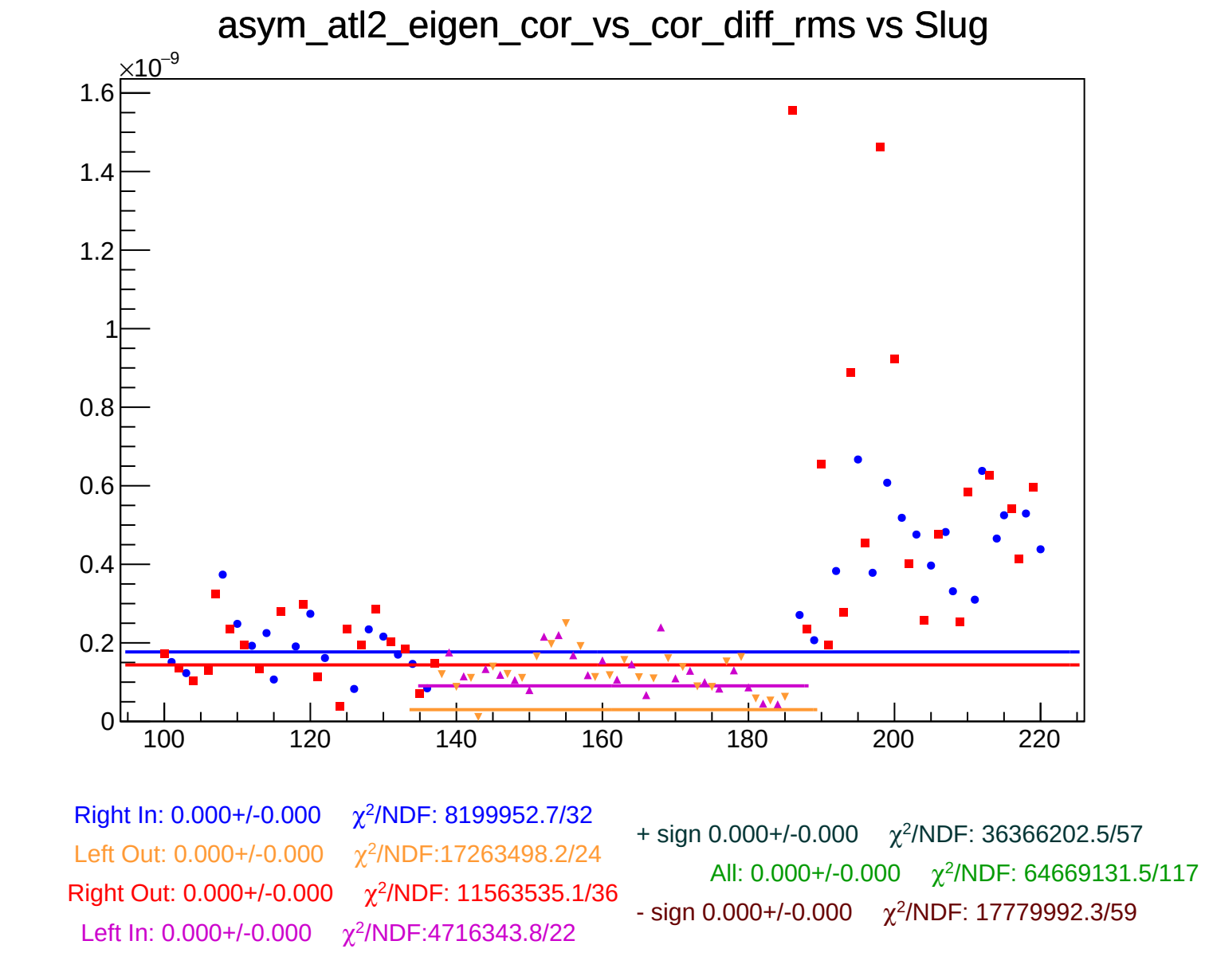
Right Out: 0.000+/-0.000 χ^2/NDF: 33.6/36

Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

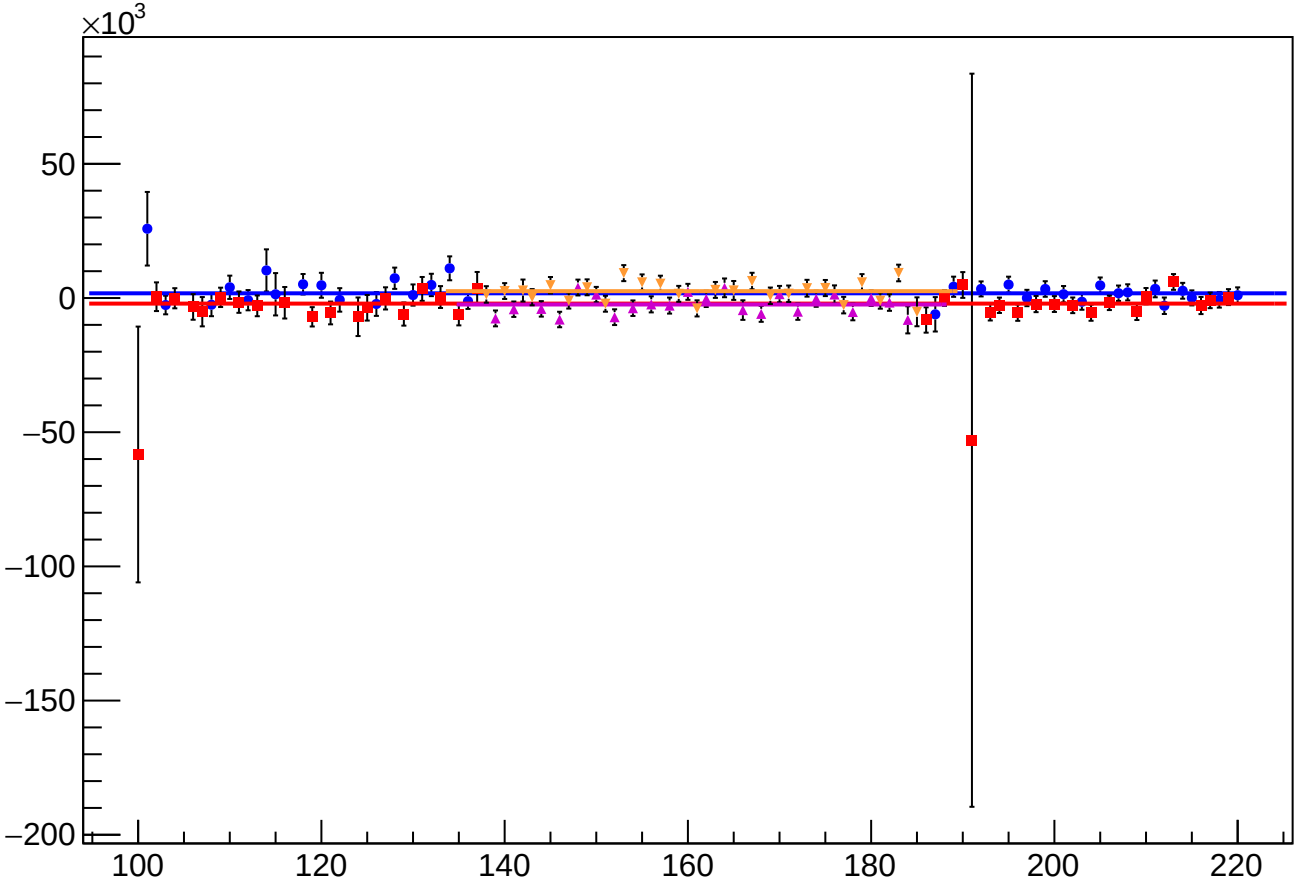
+ sign 0.000+/-0.000 χ^2/NDF: 42.3/57

All: 0.000+/-0.000 χ^2/NDF: 112.2/117

- sign 0.000+/-0.000 χ^2/NDF: 67.0/59


asym_atl2_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 8199952.7/32
Left Out: 0.000+/-0.000 χ²/NDF:17263498.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 11563535.1/36
Left In: 0.000+/-0.000 χ²/NDF:4716343.8/22
+ sign 0.000+/-0.000 χ²/NDF: 36366202.5/57
All: 0.000+/-0.000 χ²/NDF: 64669131.5/117
- sign 0.000+/-0.000 χ²/NDF: 17779992.3/59

reg_asym_atr1_mean vs Slug



Right In: 1758.809+/-610.041 χ^2/NDF: 27.9/32

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2077.624+/-606.229 χ^2/NDF: 29.2/36

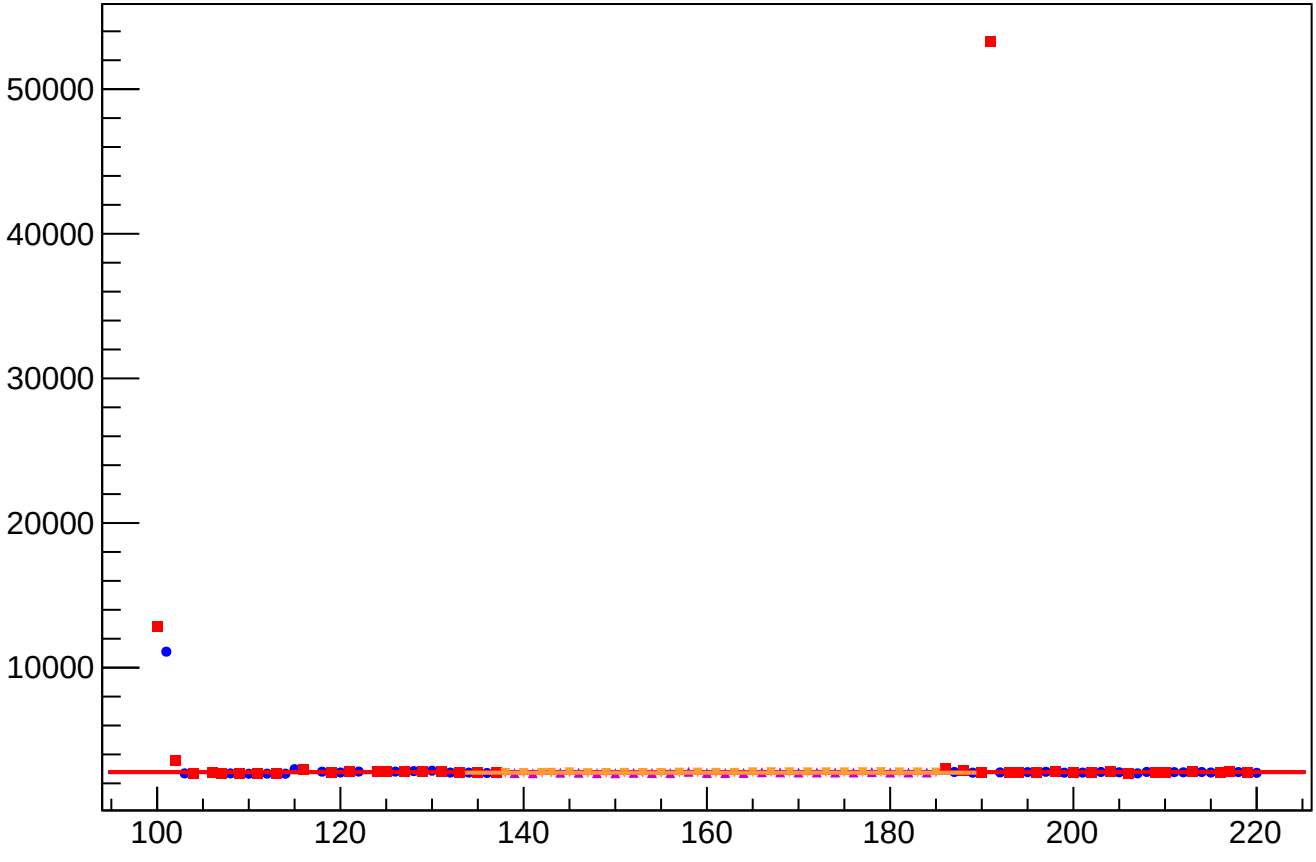
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2150.182+/-435.472 χ^2/NDF: 60.3/57

All: -19.106+/-309.526 χ^2/NDF: 171.1/117

- sign -2234.088+/-440.034 χ^2/NDF: 60.7/59

reg_asym_atr1_rms vs Slug



Right In: 2775.492+/-0.431 χ^2/NDF: 751267.0/32

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2782.342+/-0.429 χ^2/NDF: 482469.8/36

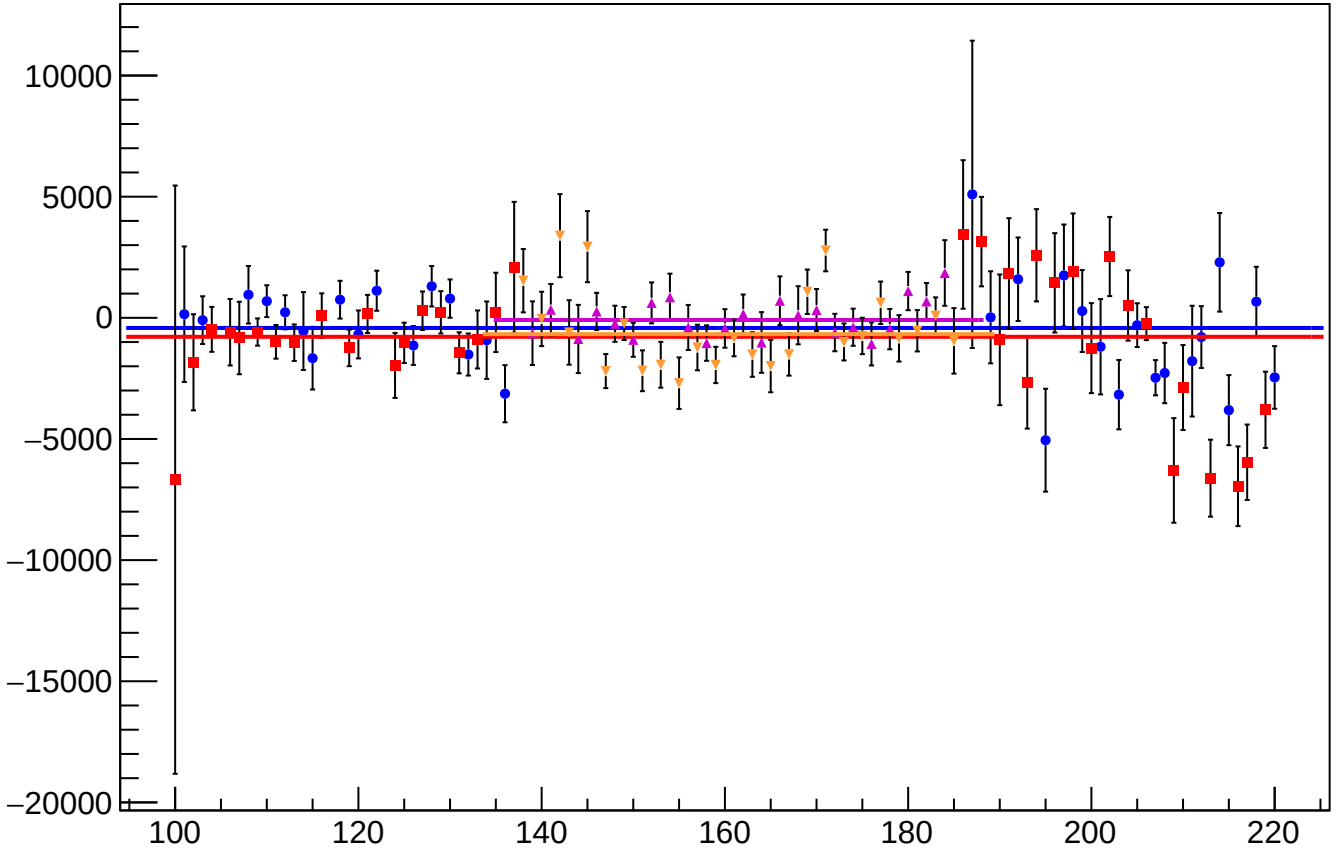
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.869+/-0.308 χ^2/NDF: 757385.1/57

All: 2759.528+/-0.219 χ^2/NDF: 1248013.8/11

- sign 2762.244+/-0.311 χ^2/NDF: 490477.9/59

asym_atr1_reg_correction_mean vs Slug



Right In: -418.086+/-192.811 χ^2/NDF: 59.3/32

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -782.691+/-187.133 χ^2/NDF: 80.0/36

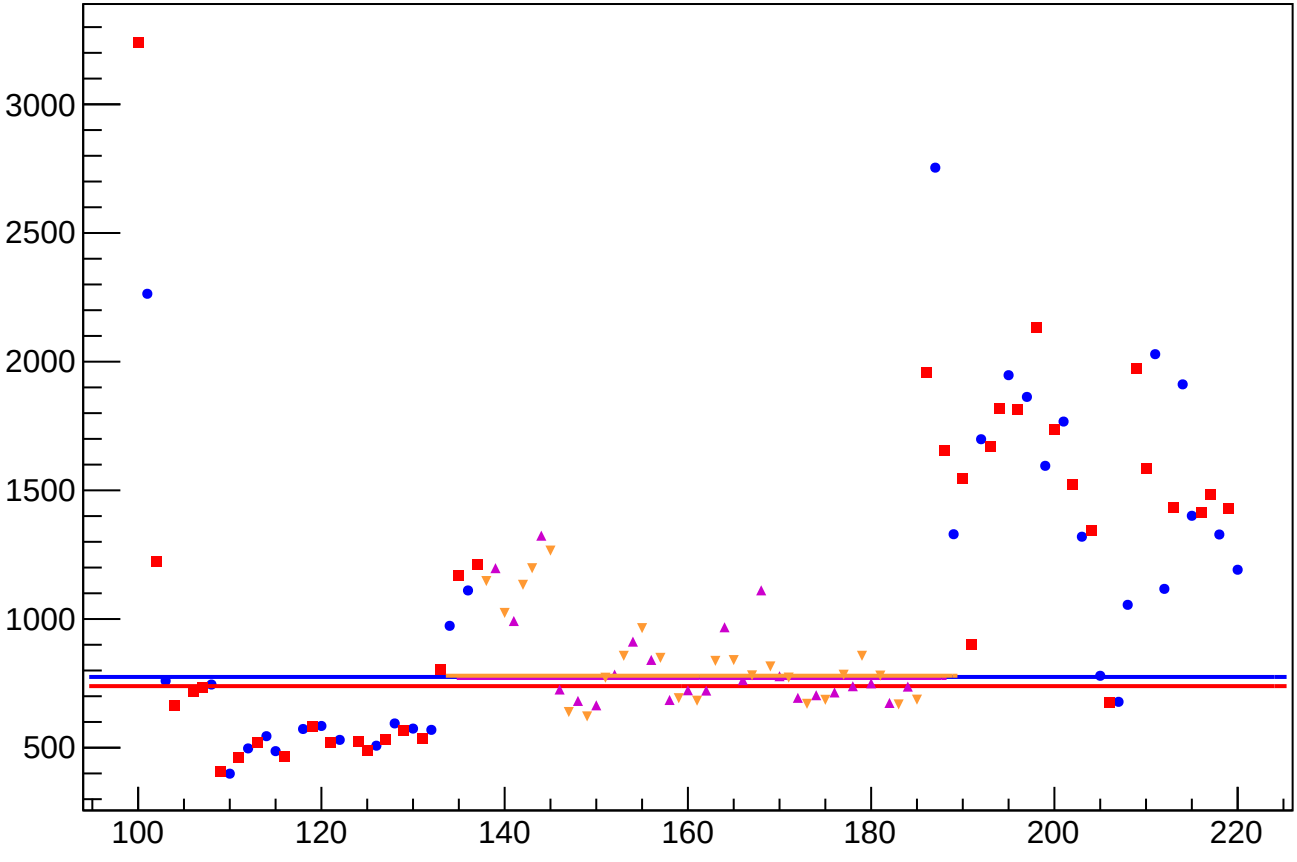
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -553.796+/-132.054 χ^2/NDF: 118.6/57

All: -491.054+/-93.007 χ^2/NDF: 220.8/117

- sign -429.294+/-131.017 χ^2/NDF: 101.8/59

asym_atr1_reg_correction_rms vs Slug



Right In: 774.917+/-0.136 χ^2/NDF: 8548021.3/32

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 739.289+/-0.132 χ^2/NDF: 10007208.0/36

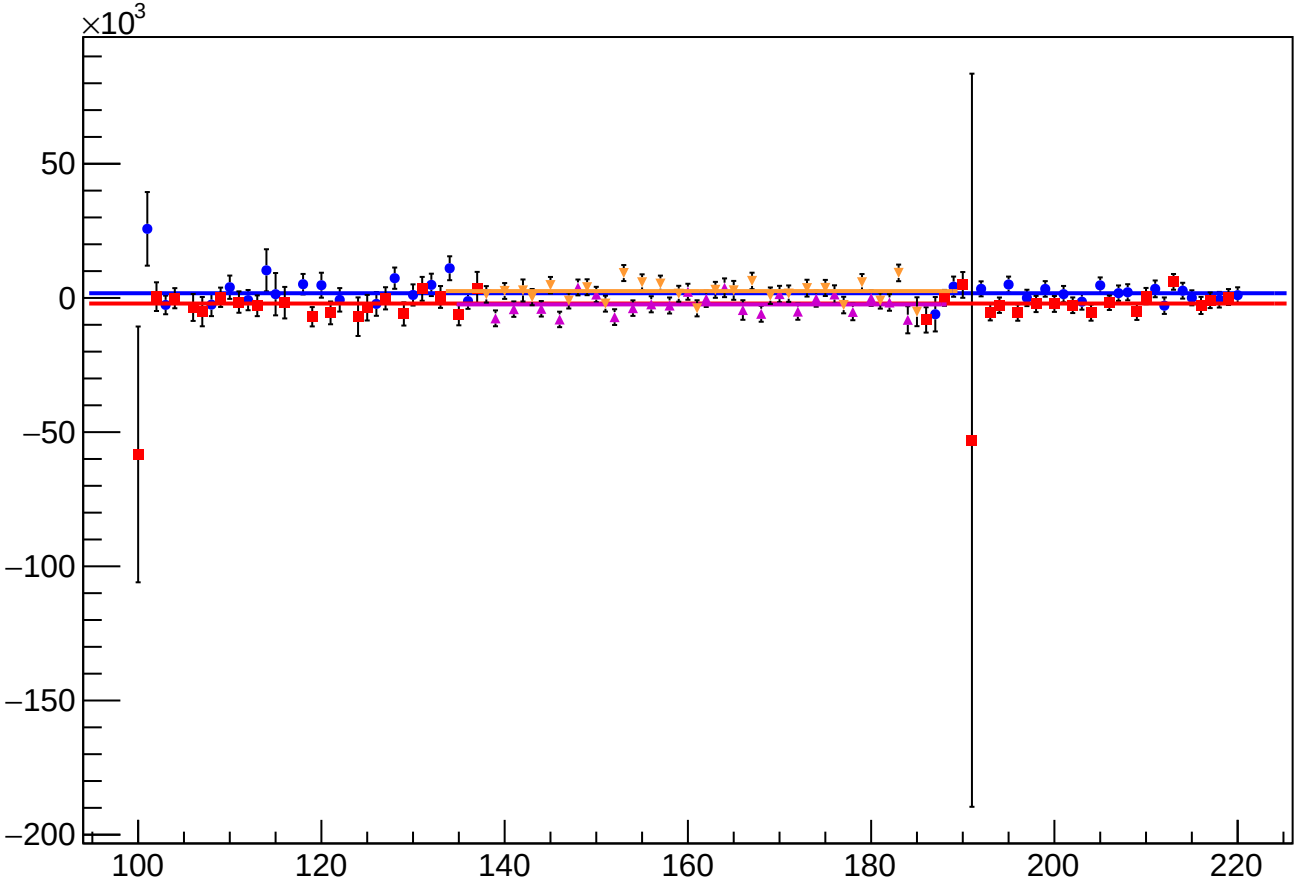
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 777.464+/-0.093 χ^2/NDF: 9792422.4/57

All: 766.321+/-0.066 χ^2/NDF: 20933148.3/11

- sign 755.352+/-0.093 χ^2/NDF: 11112464.6/59

cor_asym_atr1_mean vs Slug



Right In: 1758.444+/-610.041 χ^2/NDF: 27.9/32

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2079.141+/-606.707 χ^2/NDF: 29.2/36

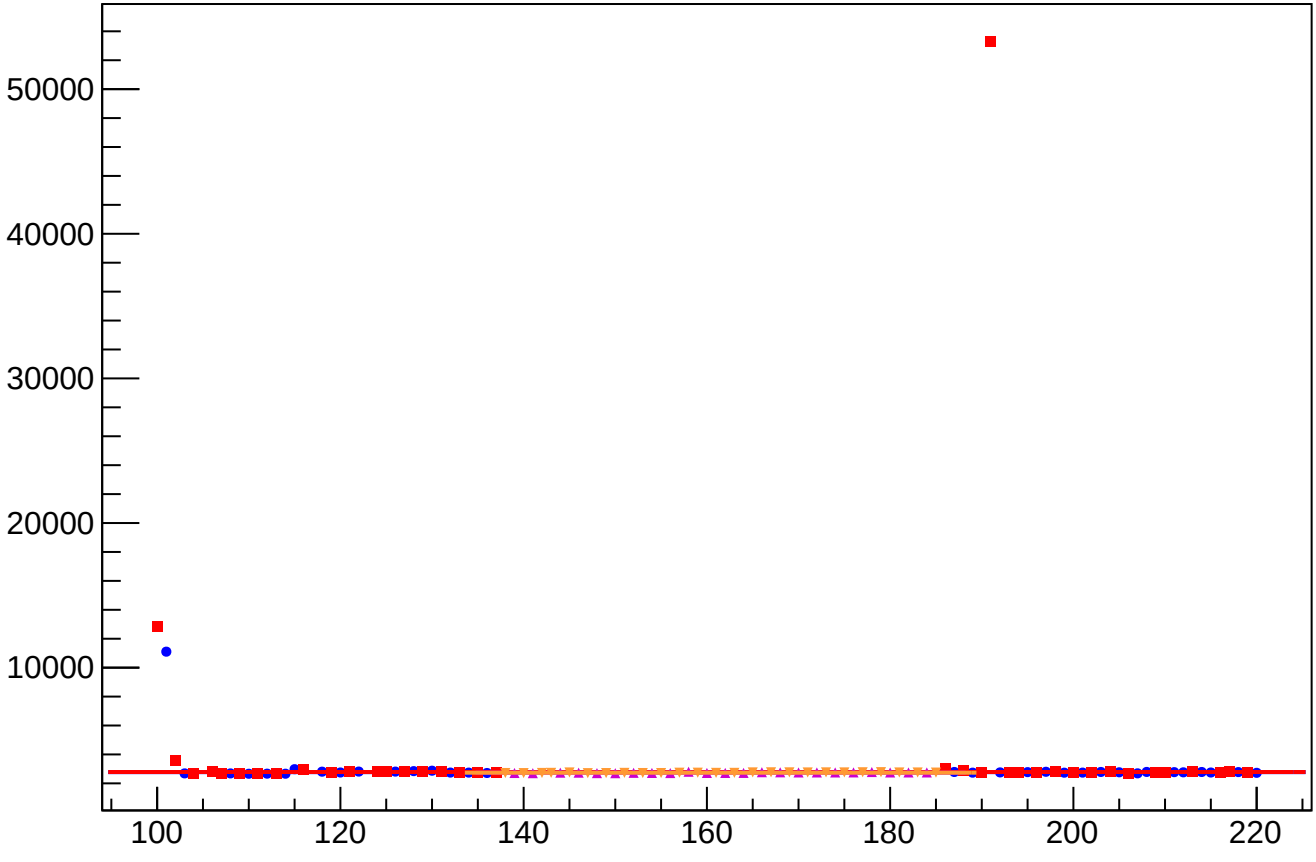
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2149.977+/-435.472 χ^2/NDF: 60.3/57

All: -18.793+/-309.589 χ^2/NDF: 171.1/117

- sign -2235.083+/-440.217 χ^2/NDF: 60.7/59

cor_asym_atr1_rms vs Slug



Right In: 2775.492+/-0.431 χ^2/NDF: 751266.1/32

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2784.156+/-0.429 χ^2/NDF: 482378.8/36

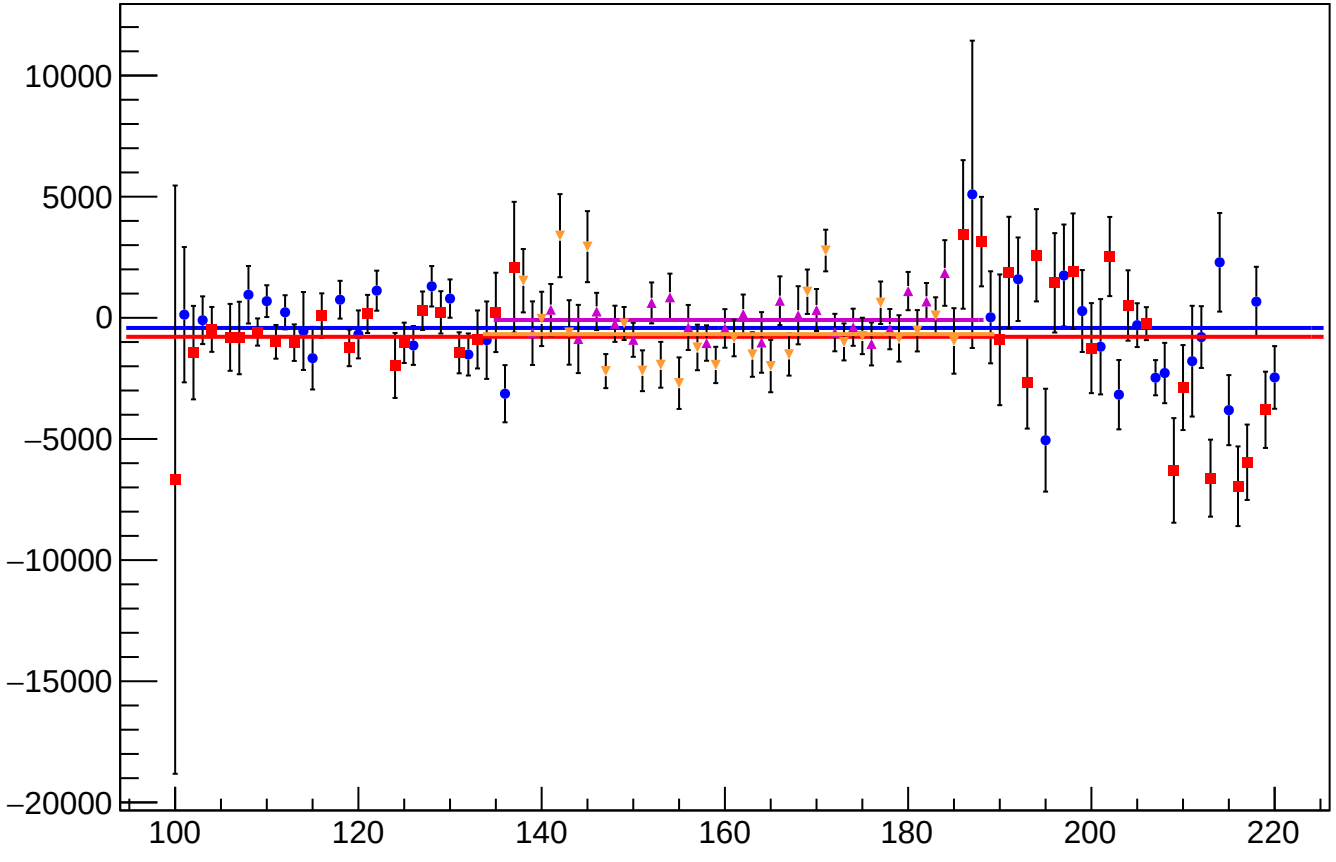
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.869+/-0.308 χ^2/NDF: 757384.2/57

All: 2759.991+/-0.219 χ^2/NDF: 1248380.5/11

- sign 2763.182+/-0.311 χ^2/NDF: 490788.4/59

asym_atr1_cor_correction_mean vs Slug



Right In: -418.074+/-192.805 χ^2/NDF: 59.3/32

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -783.323+/-187.109 χ^2/NDF: 79.8/36

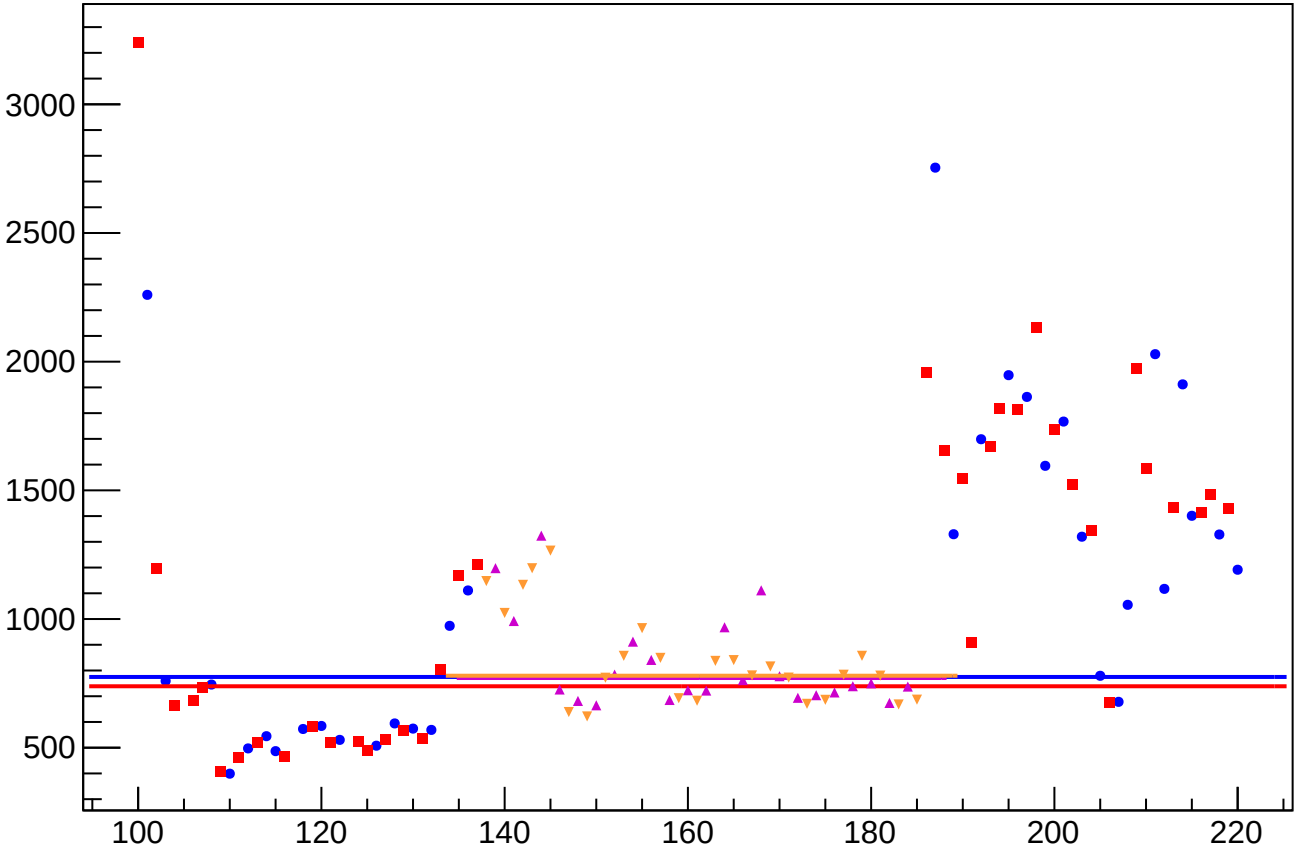
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -553.741+/-132.051 χ^2/NDF: 118.6/57

All: -491.236+/-93.004 χ^2/NDF: 220.7/117

- sign -429.715+/-131.008 χ^2/NDF: 101.6/59

asym_atr1_cor_correction_rms vs Slug



Right In: 774.903+/-0.136 χ^2/NDF: 8547251.9/32

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 738.708+/-0.132 χ^2/NDF: 10005302.1/36

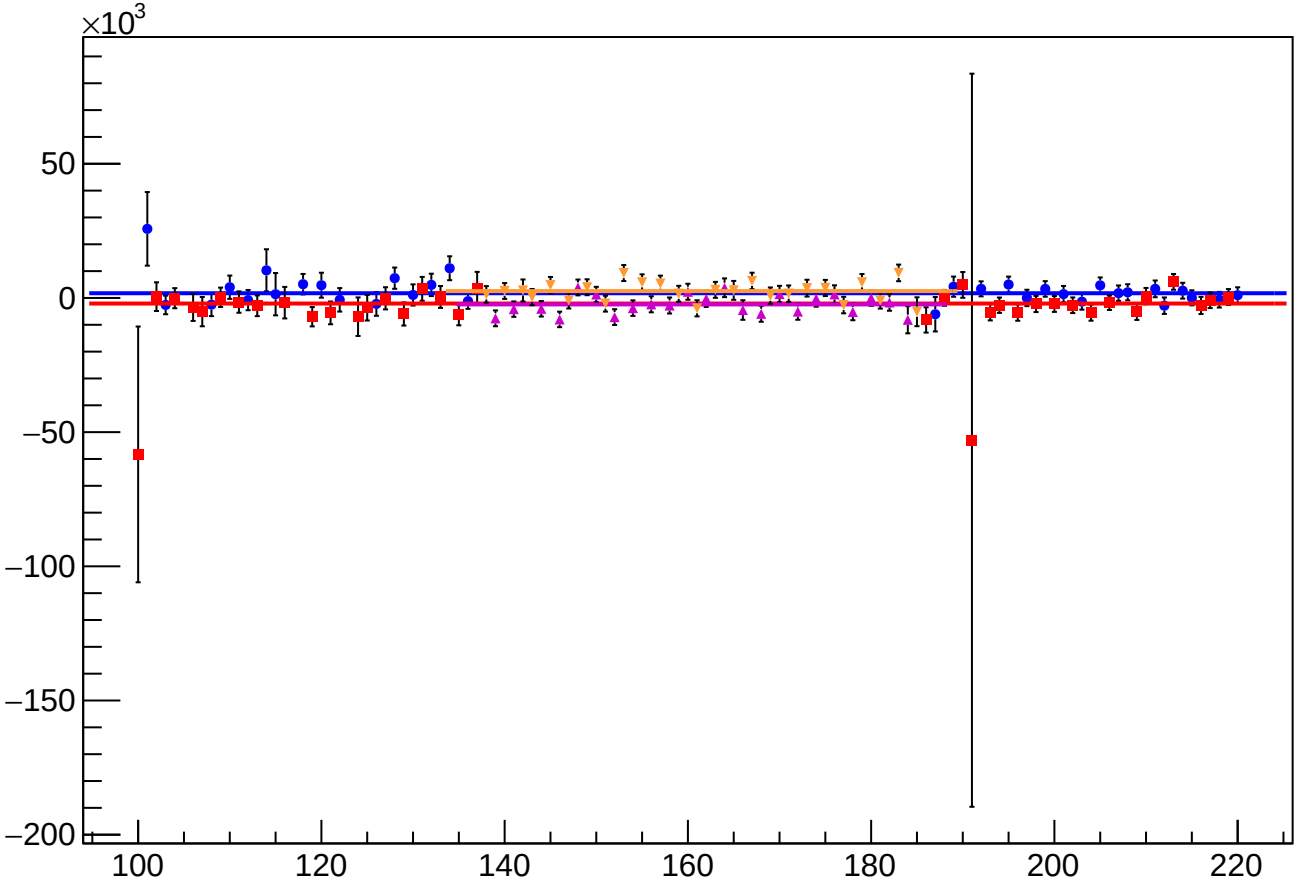
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 777.457+/-0.093 χ^2/NDF: 9791682.4/57

All: 766.173+/-0.066 χ^2/NDF: 20932240.9/1

- sign 755.067+/-0.093 χ^2/NDF: 11111581.8/59

eigen_cor_asym_atr1_mean vs Slug



Right In: 1758.444+/-610.041 χ^2/NDF: 27.9/32

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2079.141+/-606.707 χ^2/NDF: 29.2/36

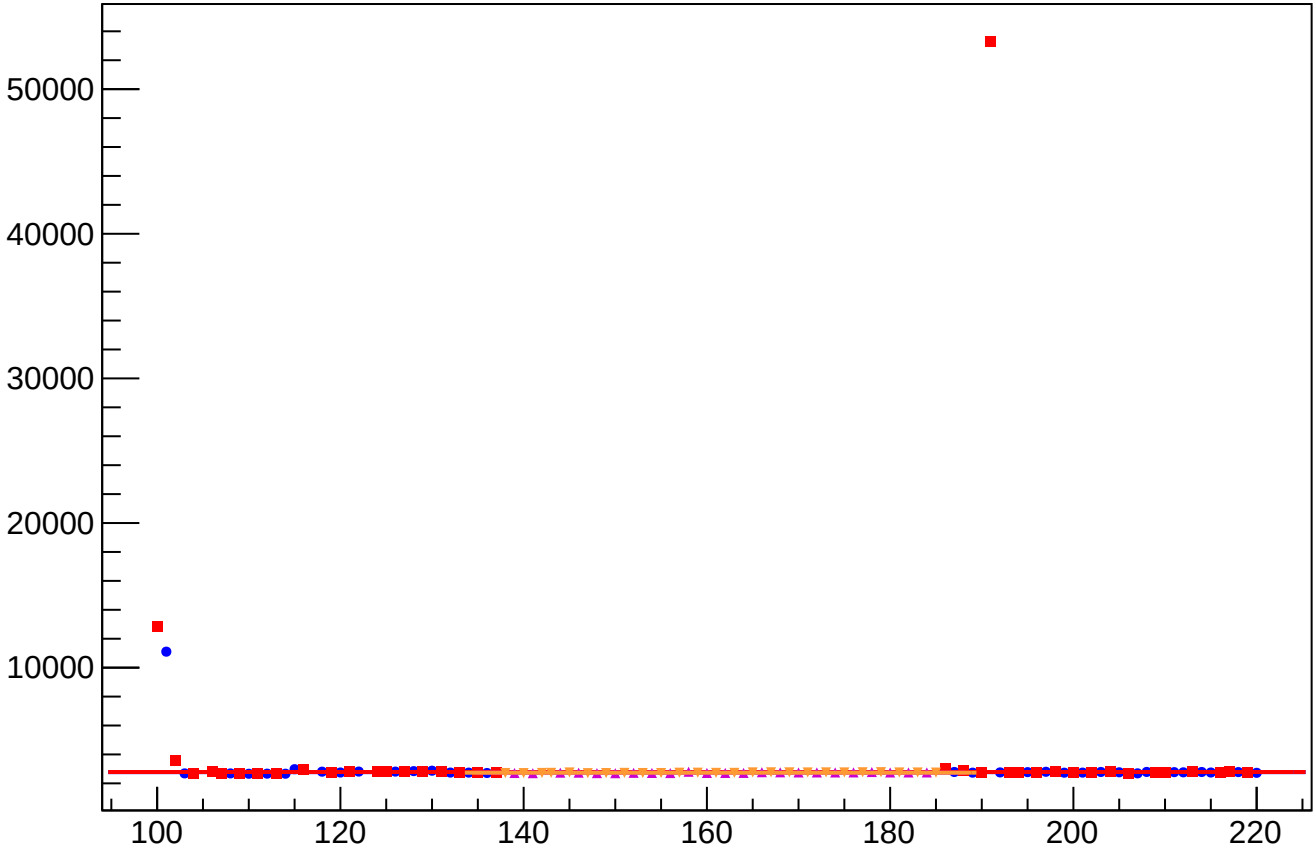
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2149.977+/-435.472 χ^2/NDF: 60.3/57

All: -18.793+/-309.589 χ^2/NDF: 171.1/117

- sign -2235.083+/-440.217 χ^2/NDF: 60.7/59

eigen_cor_asym_atr1_rms vs Slug



Right In: 2775.492+/-0.431 χ^2/NDF: 751266.1/32

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2784.156+/-0.429 χ^2/NDF: 482378.8/36

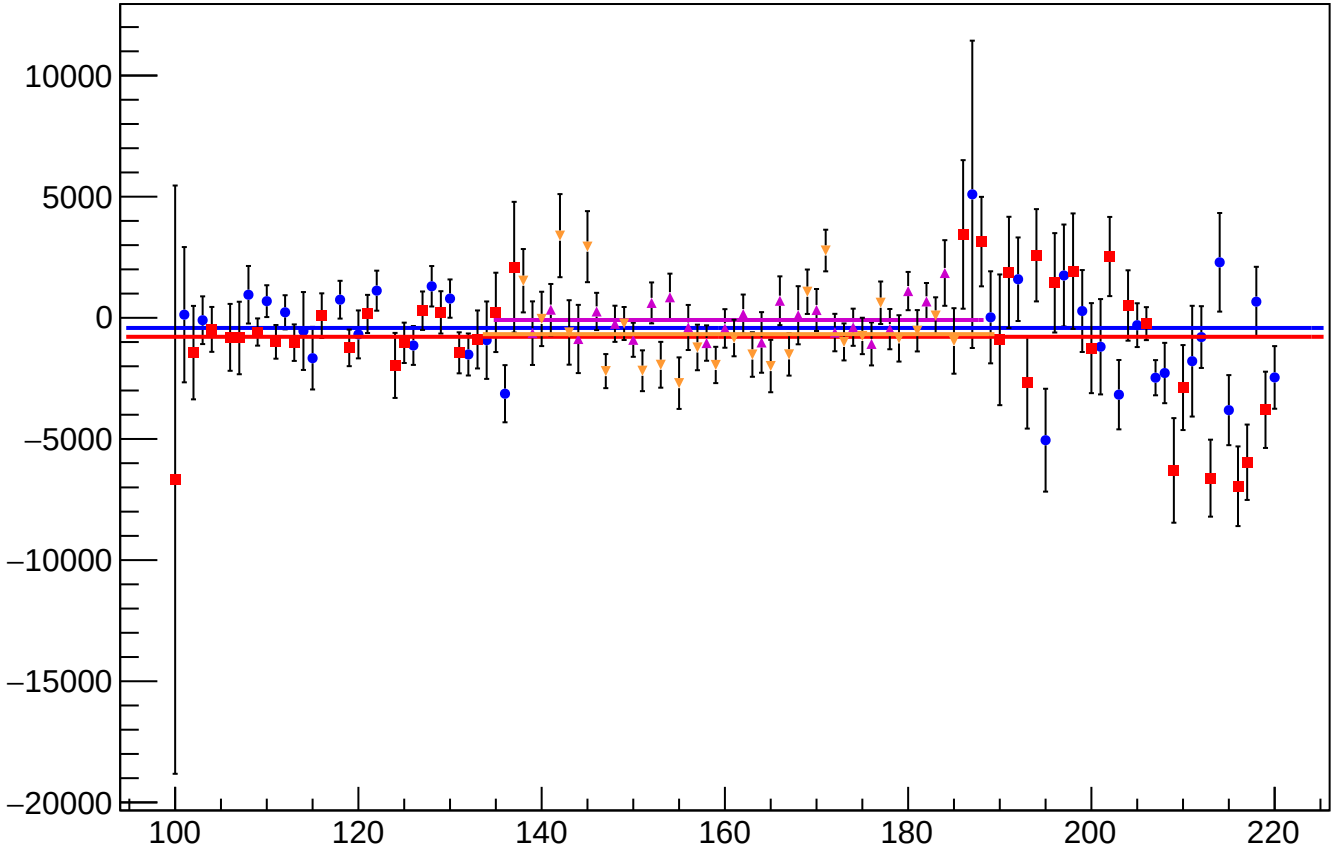
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.869+/-0.308 χ^2/NDF: 757384.2/57

All: 2759.991+/-0.219 χ^2/NDF: 1248380.5/11

- sign 2763.182+/-0.311 χ^2/NDF: 490788.4/59

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -418.074+/-192.805 χ^2/NDF: 59.3/32

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -783.323+/-187.109 χ^2/NDF: 79.8/36

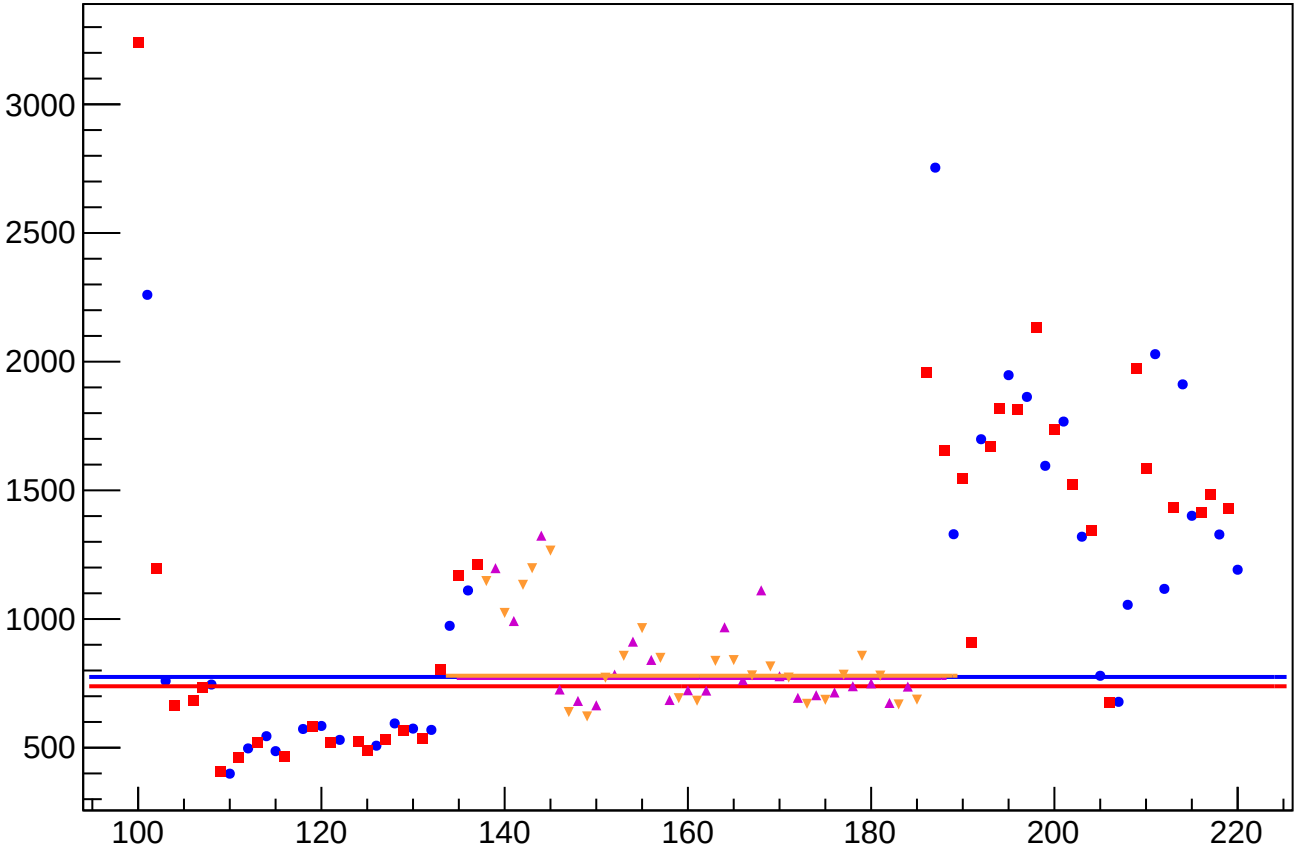
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -553.741+/-132.051 χ^2/NDF: 118.6/57

All: -491.236+/-93.004 χ^2/NDF: 220.7/117

- sign -429.715+/-131.008 χ^2/NDF: 101.6/59

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 774.903+/-0.136 χ^2/NDF: 8547251.9/32

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 738.708+/-0.132 χ^2/NDF: 10005302.1/36

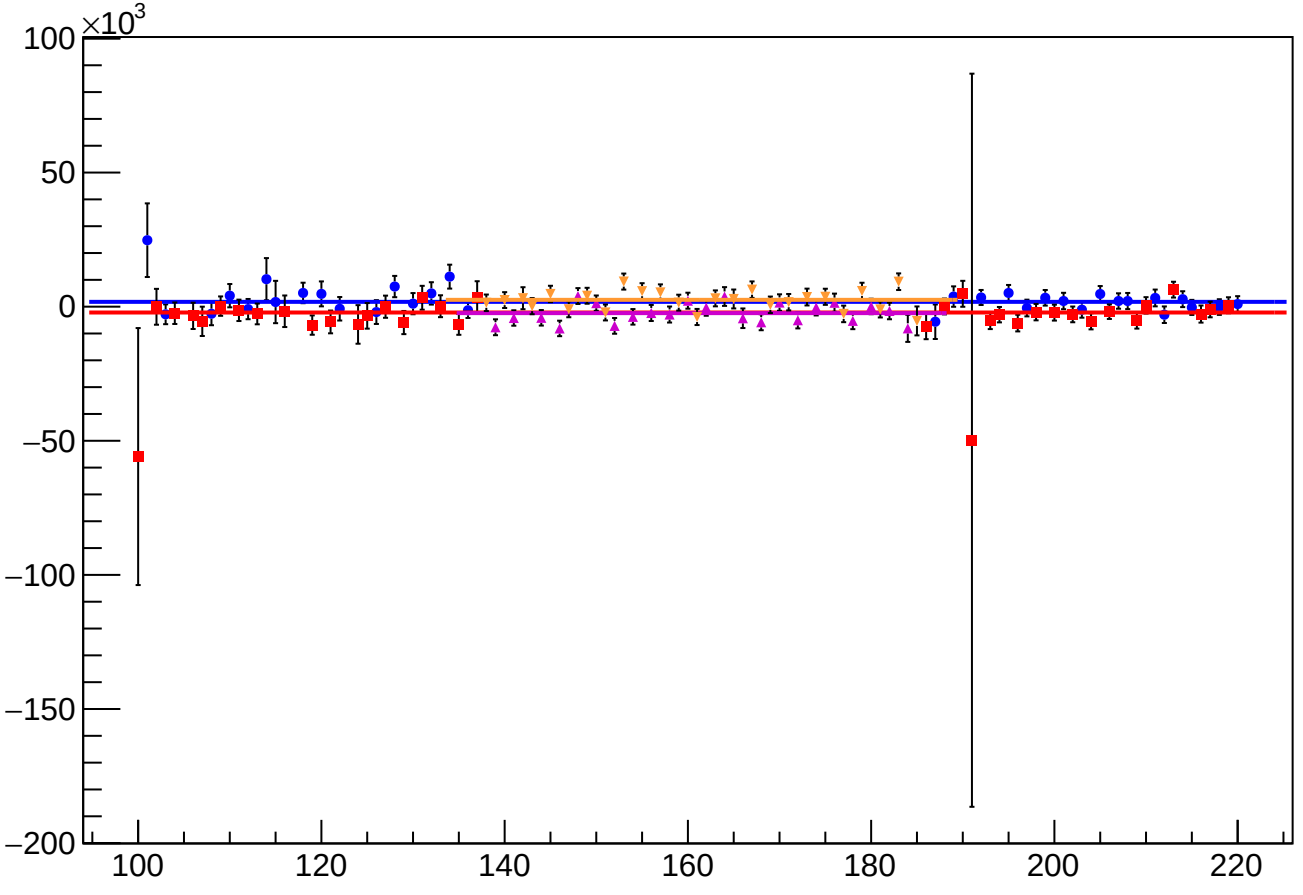
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 777.457+/-0.093 χ^2/NDF: 9791682.4/57

All: 766.173+/-0.066 χ^2/NDF: 20932240.9/1

- sign 755.067+/-0.093 χ^2/NDF: 11111581.8/59

dit_asym_atr1_mean vs Slug



Right In: 1795.945+/-612.923 χ^2/NDF: 27.7/32

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2176.745+/-610.900 χ^2/NDF: 29.1/36

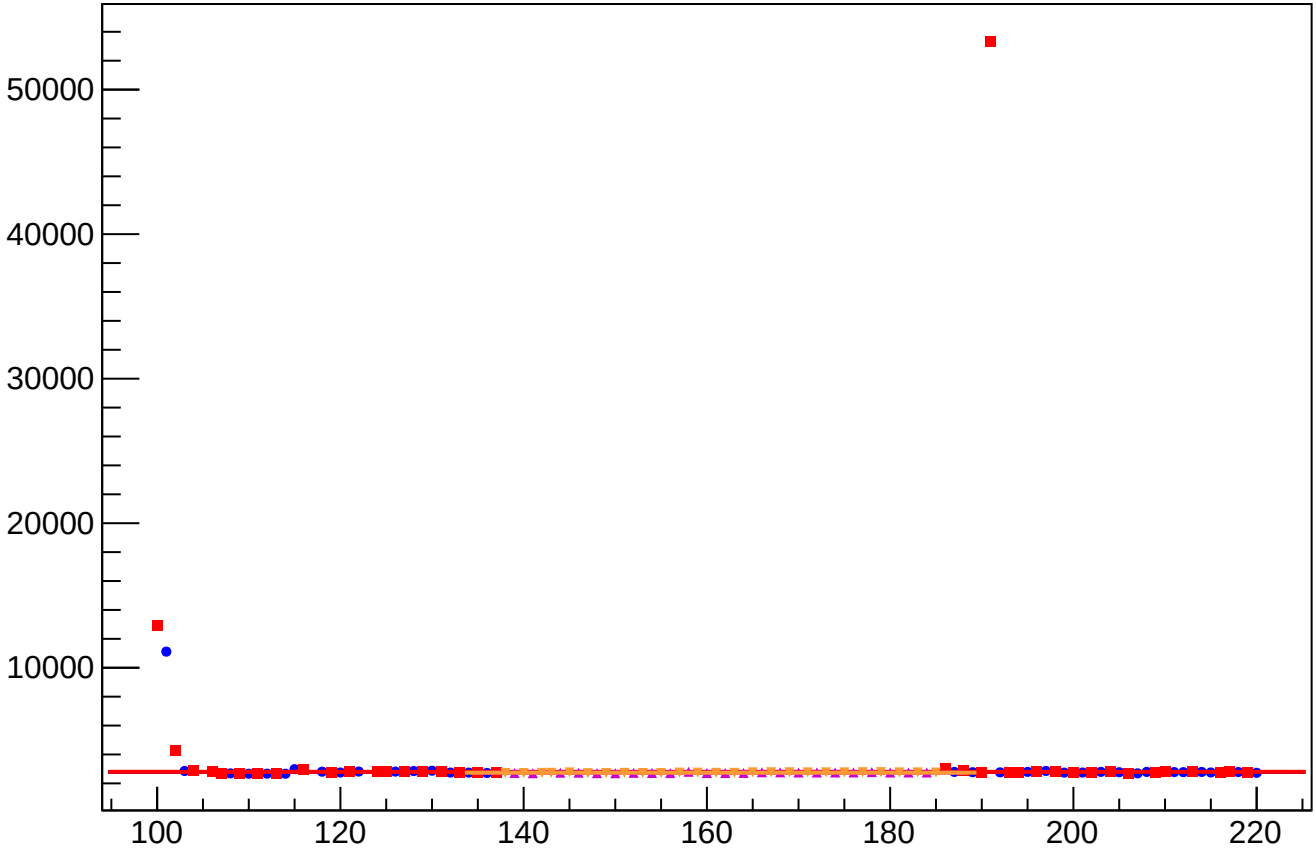
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2164.847+/-436.657 χ^2/NDF: 60.3/57

All: -34.087+/-310.610 χ^2/NDF: 172.7/117

- sign -2286.436+/-441.929 χ^2/NDF: 61.0/59

dit_asym_atr1_rms vs Slug



Right In: 2788.464+/-0.433 χ^2/NDF: 751327.7/32

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2798.696+/-0.432 χ^2/NDF: 536503.5/36

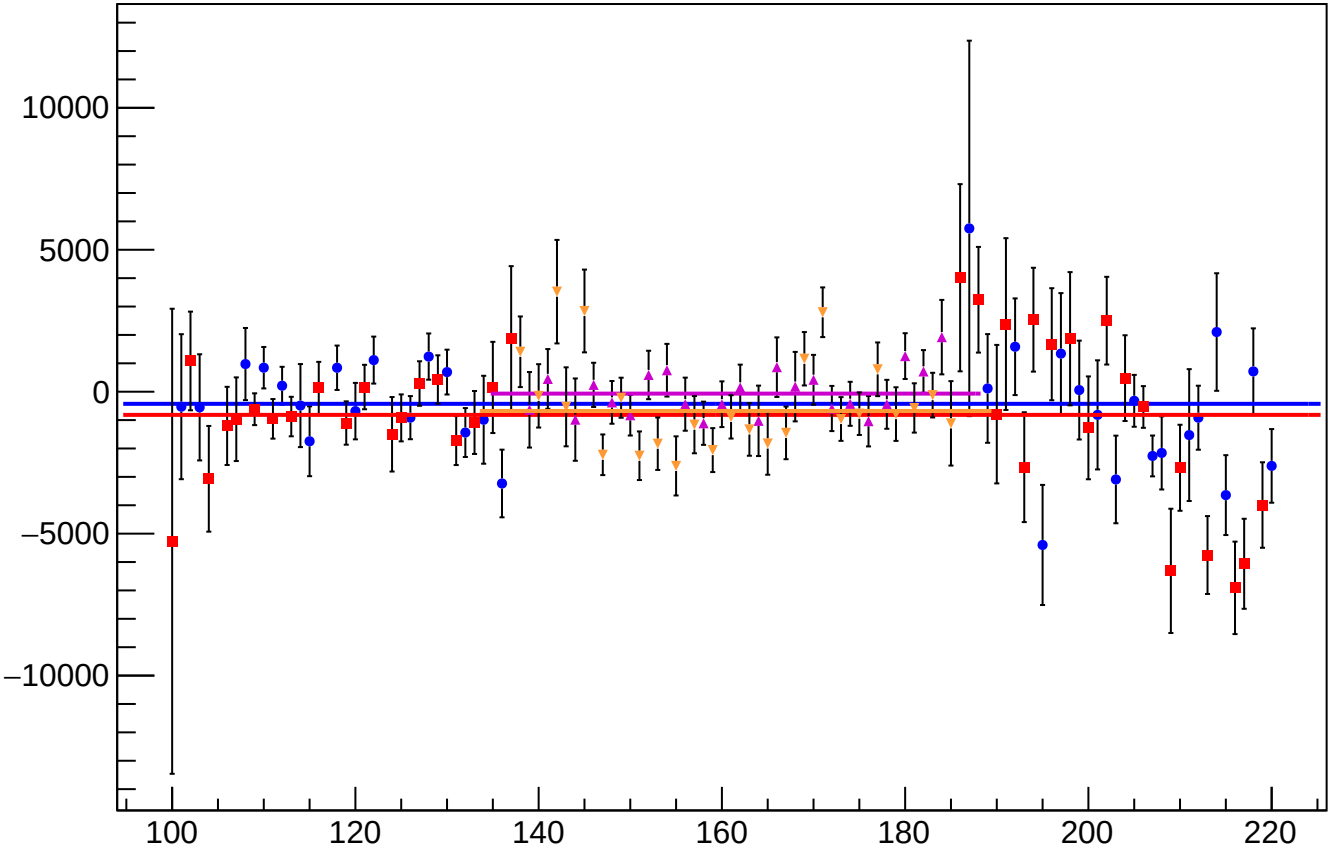
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.255+/-0.309 χ^2/NDF: 759986.0/57

All: 2767.774+/-0.220 χ^2/NDF: 1308511.0/11

- sign 2771.379+/-0.312 χ^2/NDF: 548262.0/59

asym_atr1_dit_correction_mean vs Slug



Right In: -426.942+/-194.942 χ^2/NDF: 56.7/32

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -816.398+/-188.022 χ^2/NDF: 84.0/36

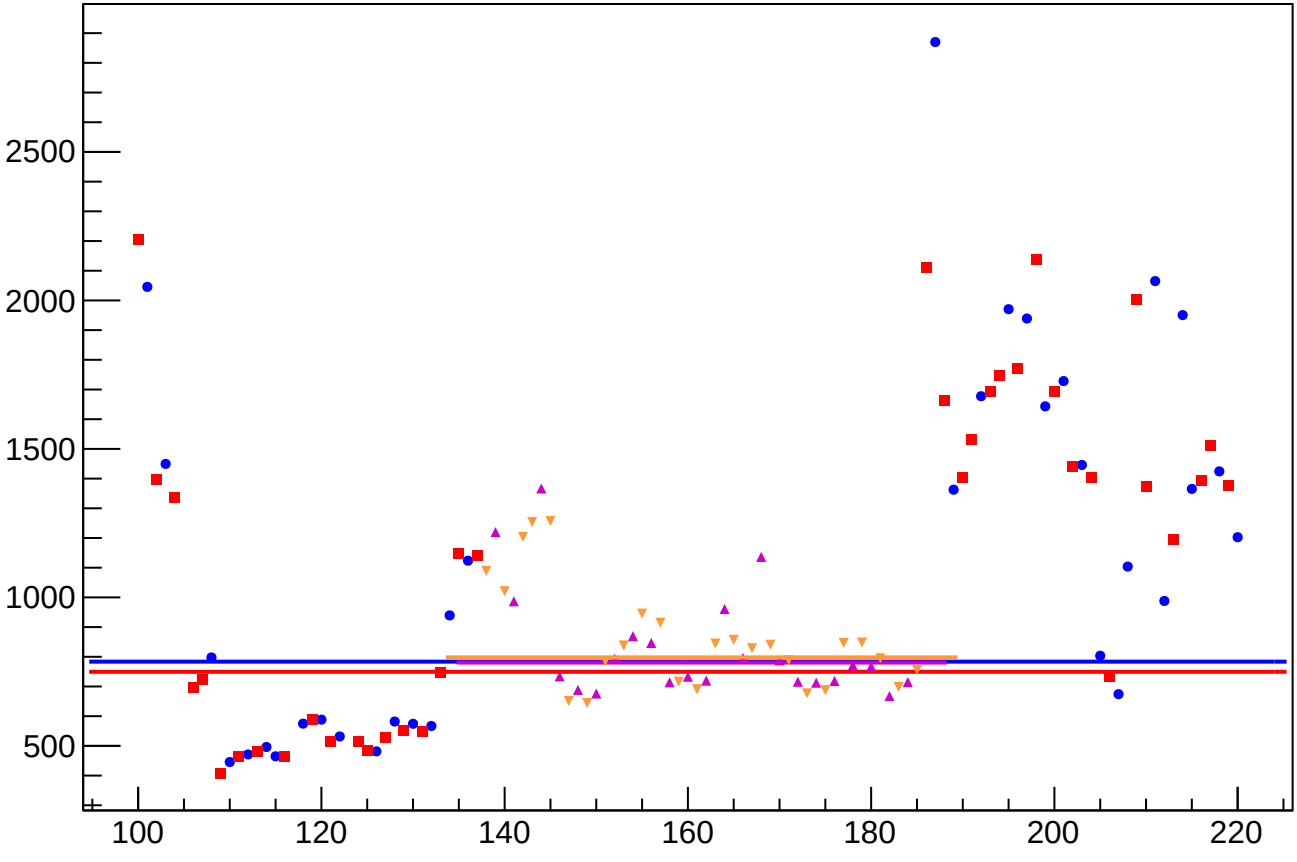
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -559.152+/-134.194 χ^2/NDF: 113.8/57

All: -496.874+/-94.114 χ^2/NDF: 222.0/117

- sign -436.589+/-132.028 χ^2/NDF: 107.9/59

asym_atr1_dit_correction_rms vs Slug



Right In: 783.642+/-0.138 χ^2/NDF: 8994181.9/32

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 749.467+/-0.133 χ^2/NDF: 10251544.3/36

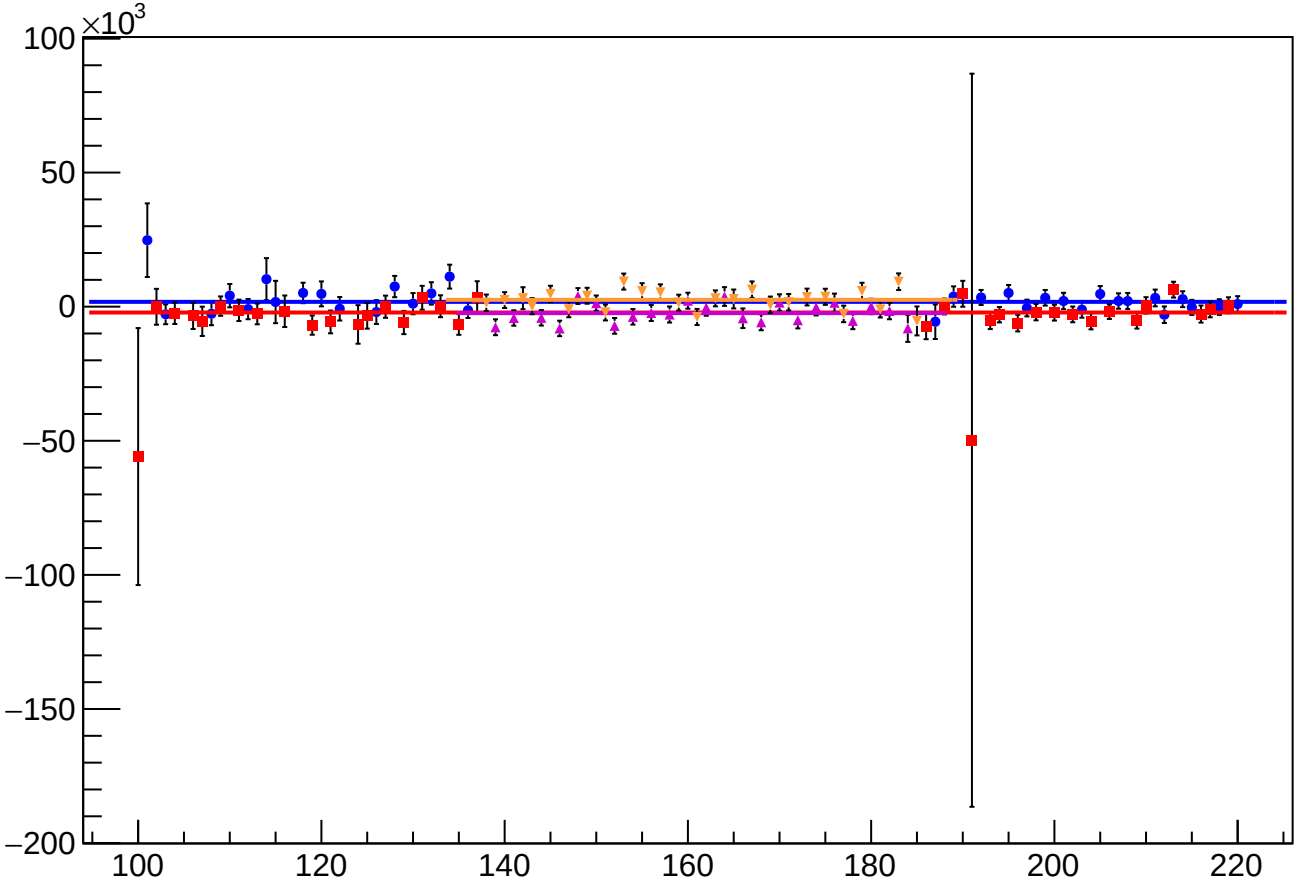
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 791.244+/-0.095 χ^2/NDF: 10168315.1/57

All: 778.016+/-0.067 χ^2/NDF: 21550597.1/11

- sign 765.211+/-0.093 χ^2/NDF: 11344035.2/59

eigen_dit_asym_atr1_mean vs Slug



Right In: 1795.947+/-612.923 χ^2/NDF: 27.7/32

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2176.741+/-610.900 χ^2/NDF: 29.1/36

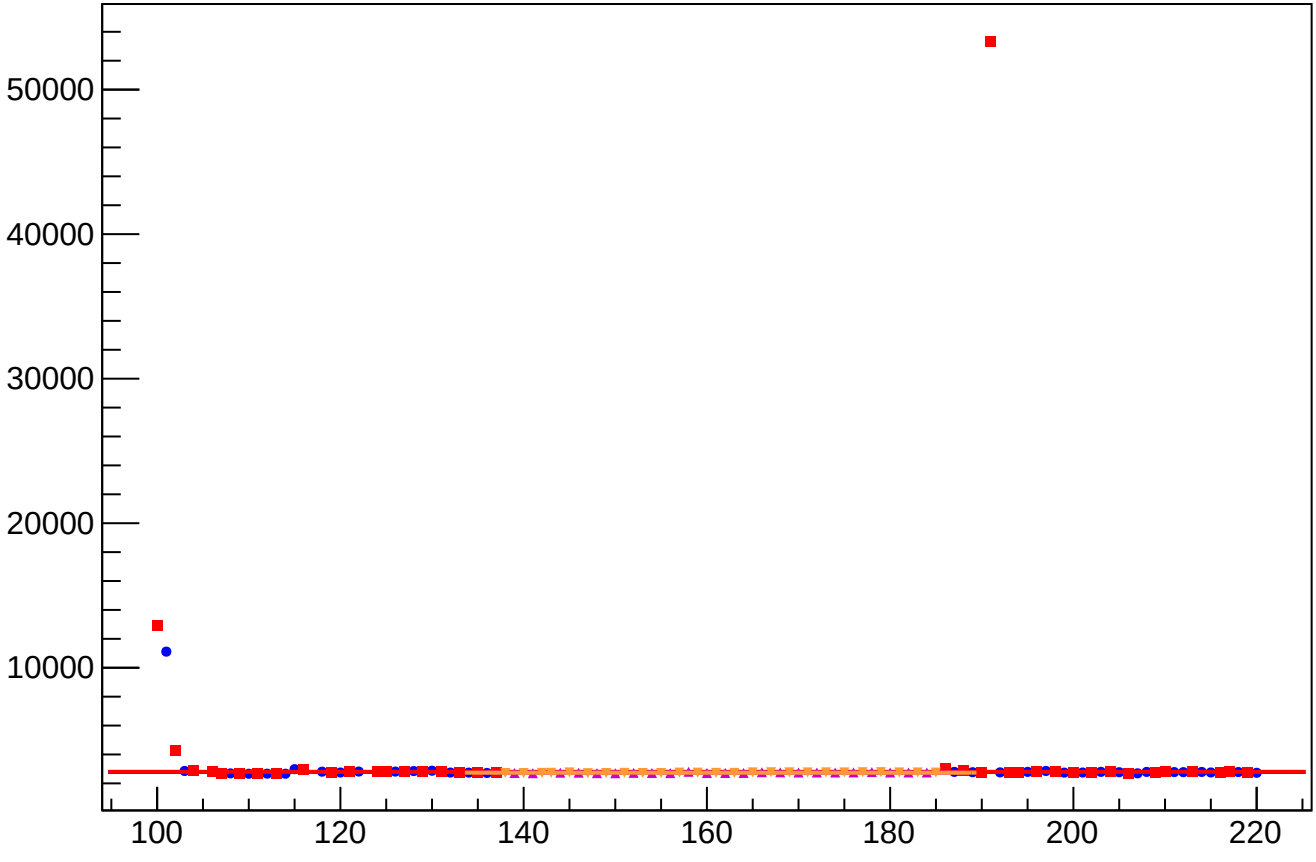
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2164.848+/-436.657 χ^2/NDF: 60.3/57

All: -34.086+/-310.610 χ^2/NDF: 172.7/117

- sign -2286.434+/-441.929 χ^2/NDF: 61.0/59

eigen_dit_asym_atr1_rms vs Slug



Right In: 2788.464+/-0.433 χ^2/NDF: 751327.7/32

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2798.696+/-0.432 χ^2/NDF: 536503.3/36

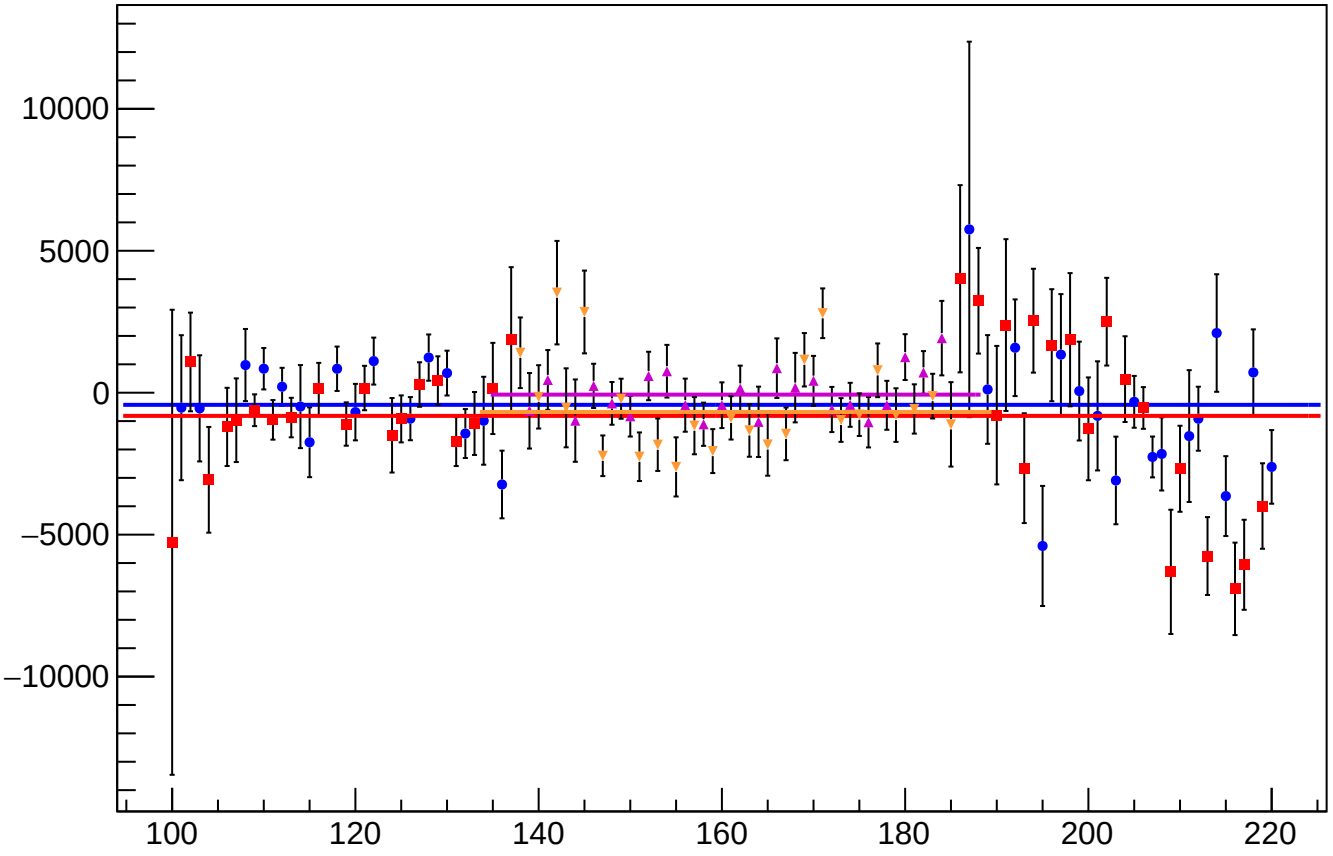
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.255+/-0.309 χ^2/NDF: 759986.0/57

All: 2767.774+/-0.220 χ^2/NDF: 1308510.8/11

- sign 2771.379+/-0.312 χ^2/NDF: 548261.8/59

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -426.941+/-194.942 χ^2/NDF: 56.7/32

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -816.397+/-188.022 χ^2/NDF: 84.0/36

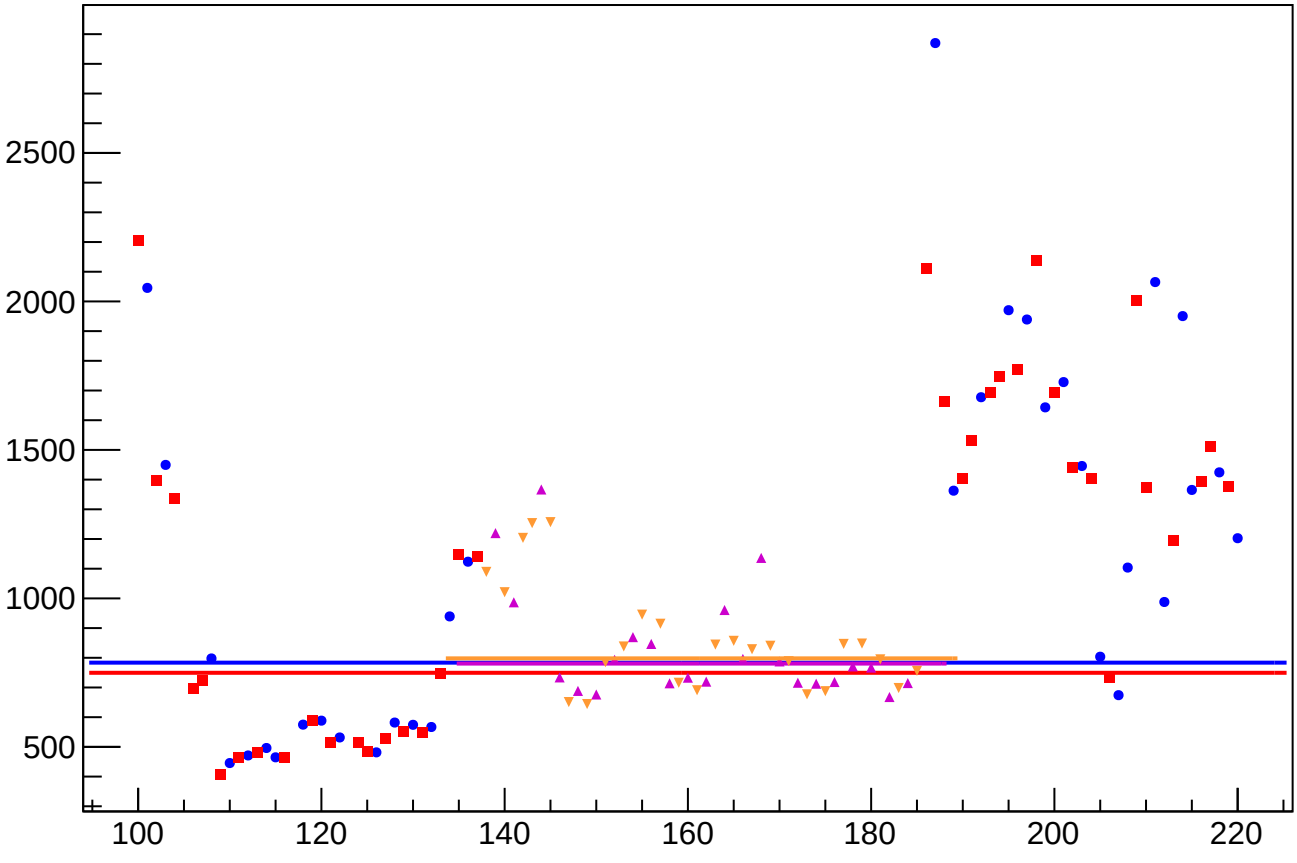
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -559.152+/-134.194 χ^2/NDF: 113.8/57

All: -496.873+/-94.114 χ^2/NDF: 222.0/117

- sign -436.588+/-132.028 χ^2/NDF: 107.9/59

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 783.643+/-0.138 χ^2/NDF: 8994187.6/32

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 749.468+/-0.133 χ^2/NDF: 10251558.8/36

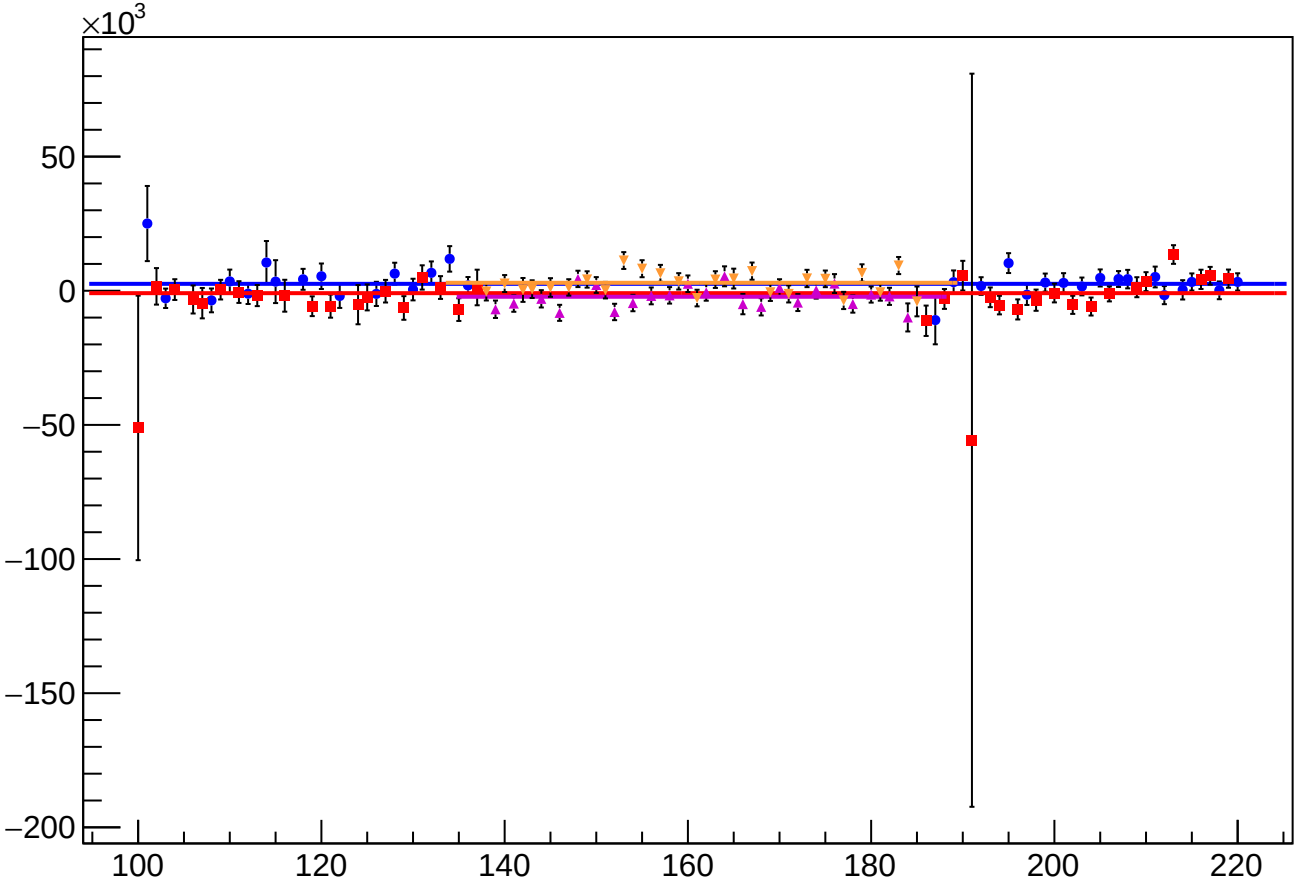
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 791.245+/-0.095 χ^2/NDF: 10168322.2/57

All: 778.016+/-0.067 χ^2/NDF: 21550622.0/11

- sign 765.211+/-0.093 χ^2/NDF: 11344052.2/59

asym_atr1_mean vs Slug



Right In: 2577.935+/-676.493 χ^2/NDF: 28.9/32

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -895.953+/-678.275 χ^2/NDF: 52.7/36

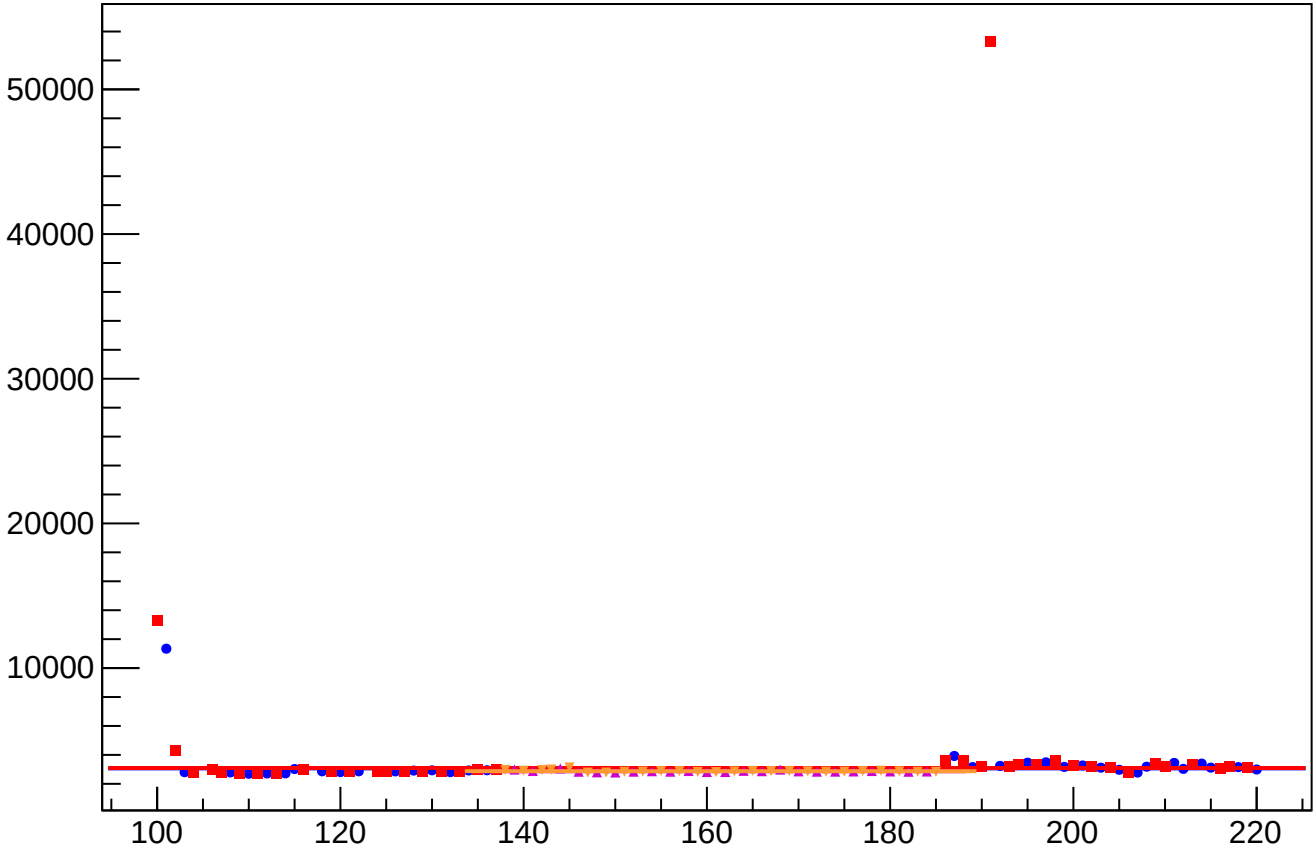
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2780.464+/-469.933 χ^2/NDF: 64.8/57

All: 634.404+/-334.687 χ^2/NDF: 195.6/117

- sign -1574.630+/-476.778 χ^2/NDF: 88.5/59

asym_atr1_rms vs Slug



Right In: 3068.194+/-0.478 χ^2/NDF: 929500.5/32

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

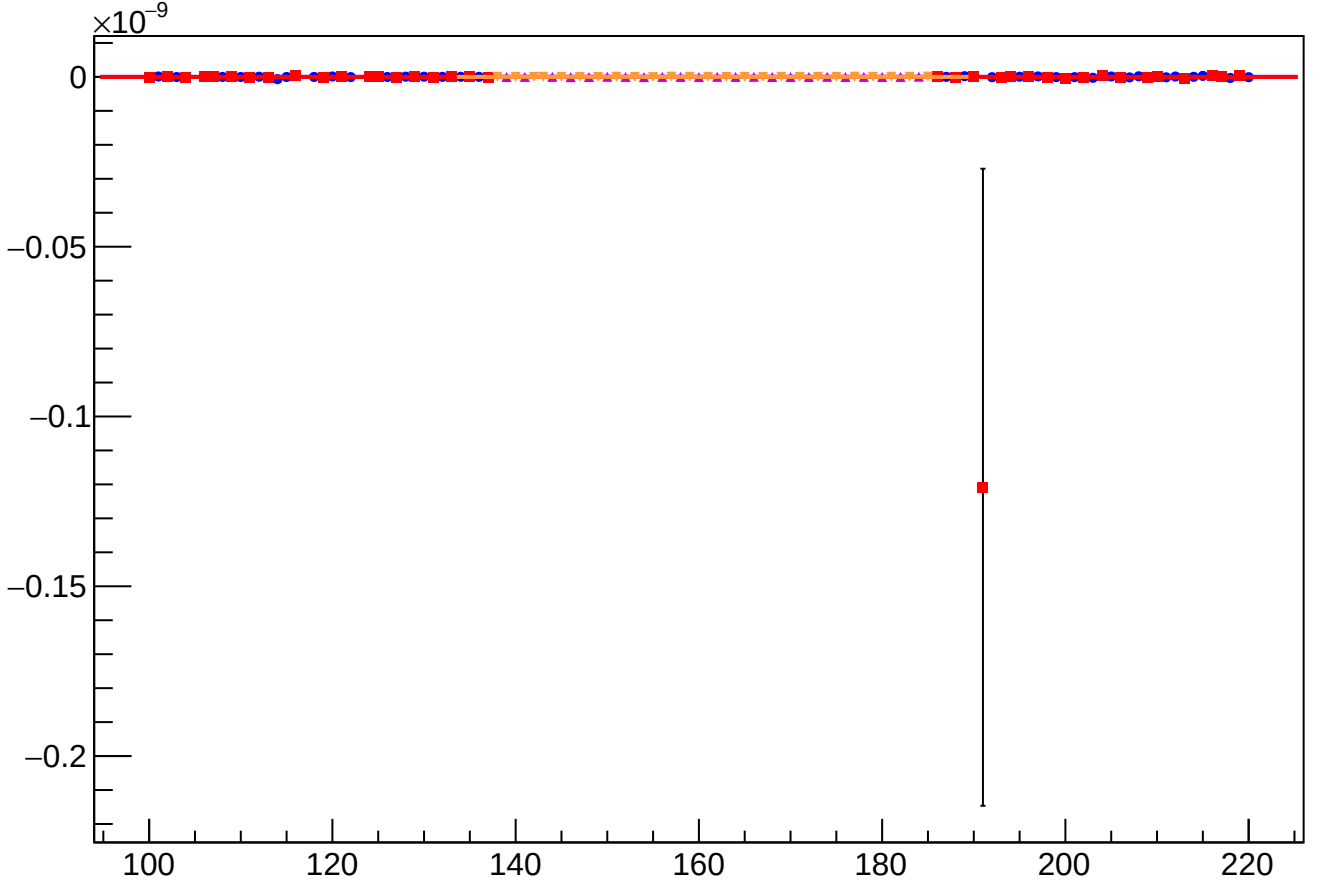
Right Out: 3094.480+/-0.480 χ^2/NDF: 763072.1/36

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

+ sign 2968.192+/-0.332 χ^2/NDF: 1035750.4/57

All: 2974.501+/-0.237 χ^2/NDF: 1927914.3/11

- sign 2980.995+/-0.337 χ^2/NDF: 891432.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 28.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:14.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 47.6/36

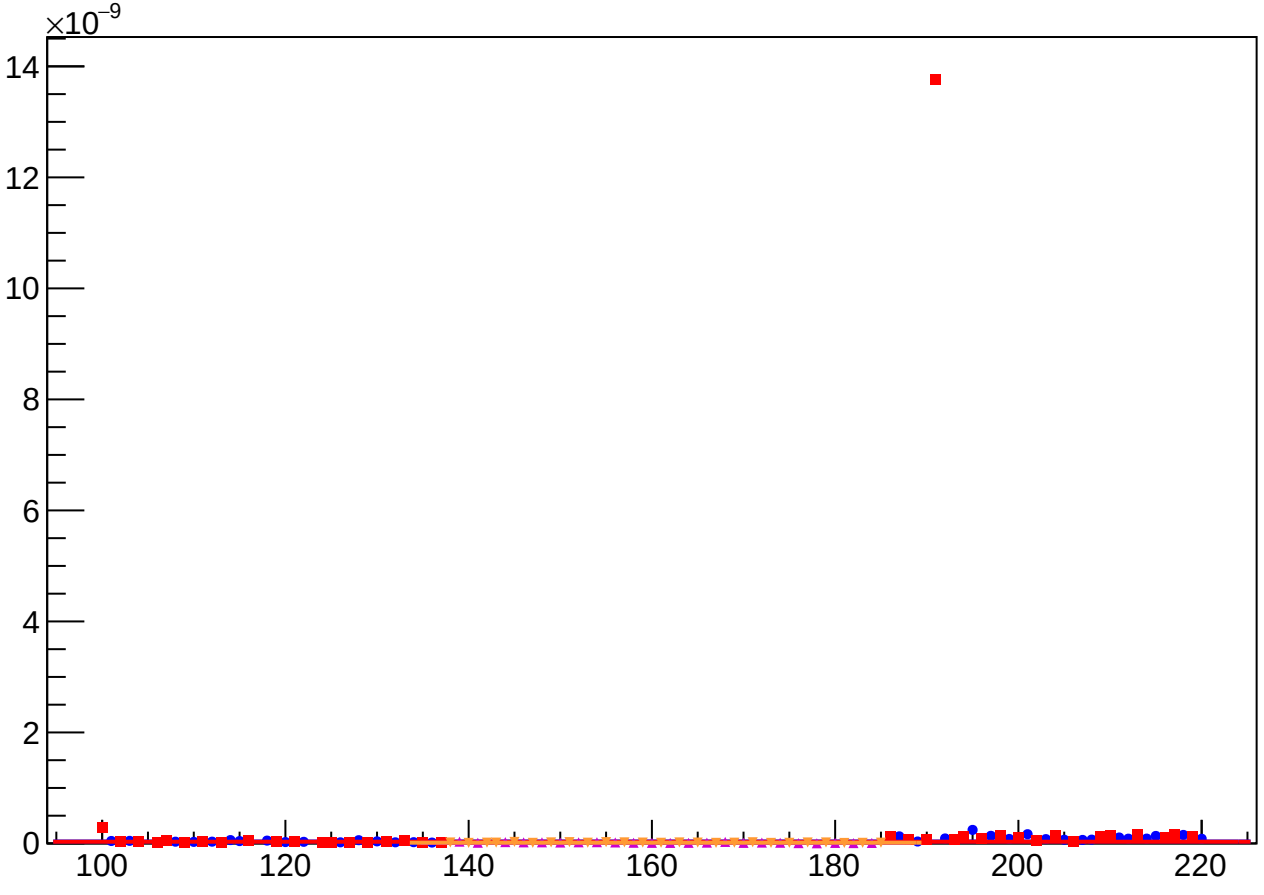
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.2/57

All: 0.000+/-0.000 χ^2/NDF: 120.9/117

- sign 0.000+/-0.000 χ^2/NDF: 76.7/59

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6003383.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6307441.4/36

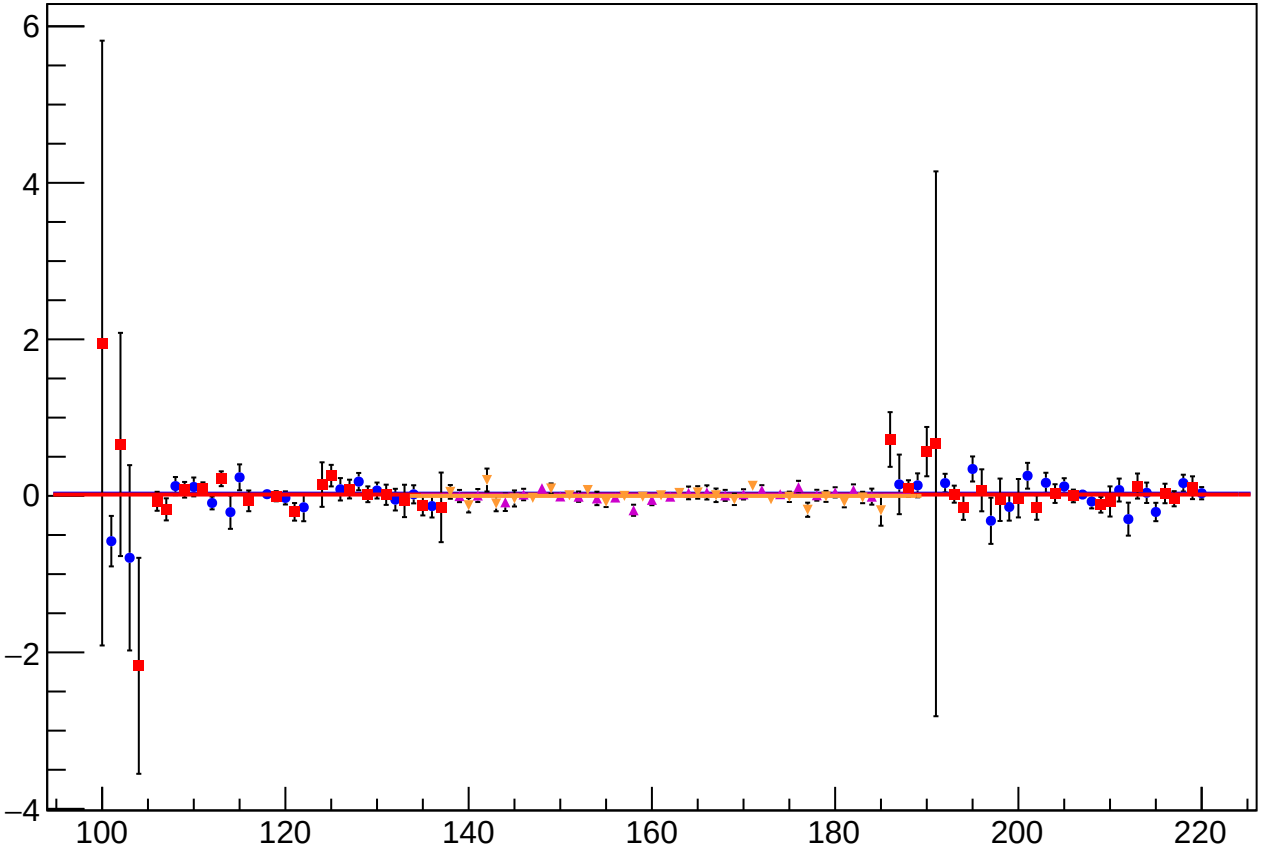
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10713446.8/57

All: 0.000+/-0.000 χ^2/NDF: 23908382.7/117

- sign 0.000+/-0.000 χ^2/NDF: 12857860.5/59

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.020 χ^2/NDF: 36.6/32

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.021 χ^2/NDF: 33.9/36

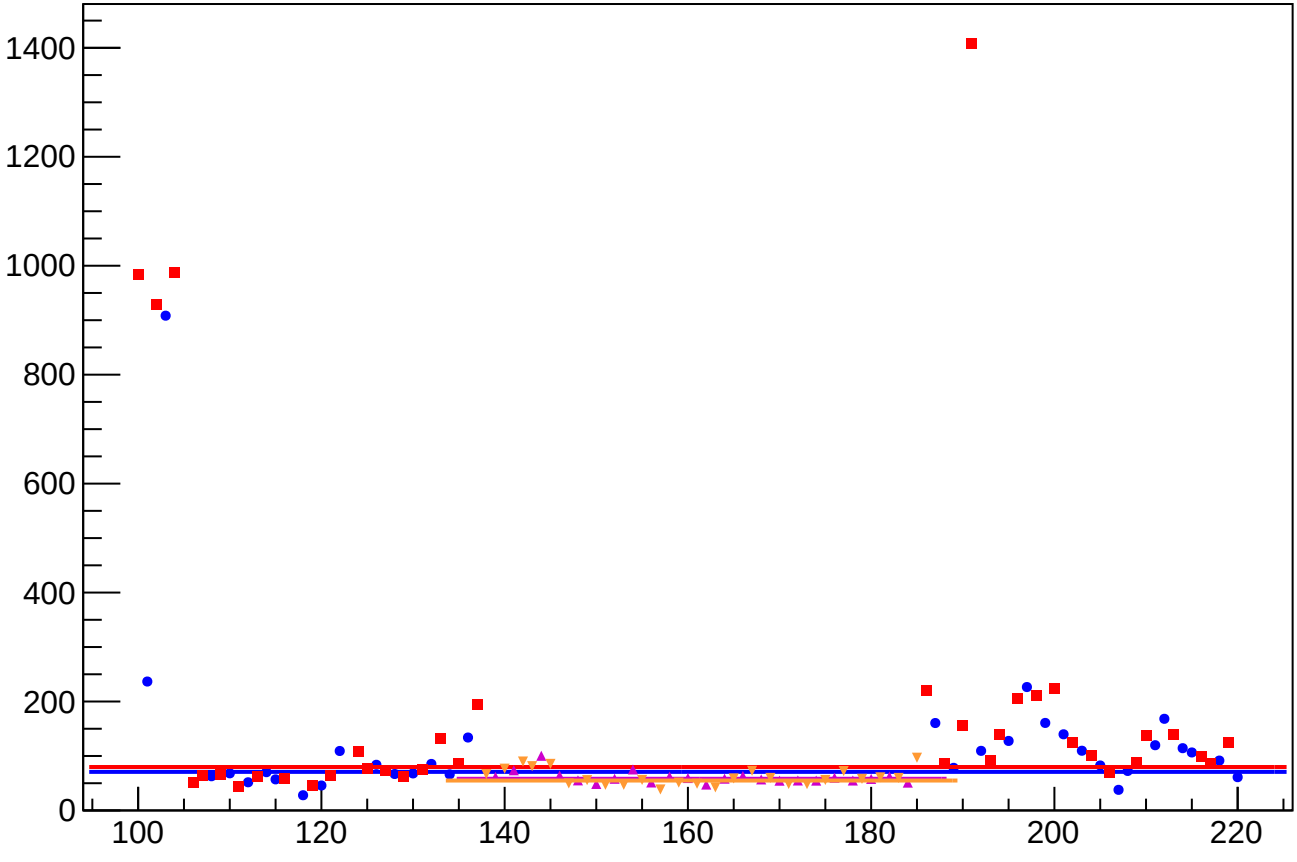
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.011 χ^2/NDF: 60.6/57

All: 0.010+/-0.008 χ^2/NDF: 110.1/117

- sign 0.011+/-0.012 χ^2/NDF: 49.5/59

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 70.830+/-0.014 χ^2/NDF: 7739508.1/32

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 79.747+/-0.015 χ^2/NDF: 7035325.5/36

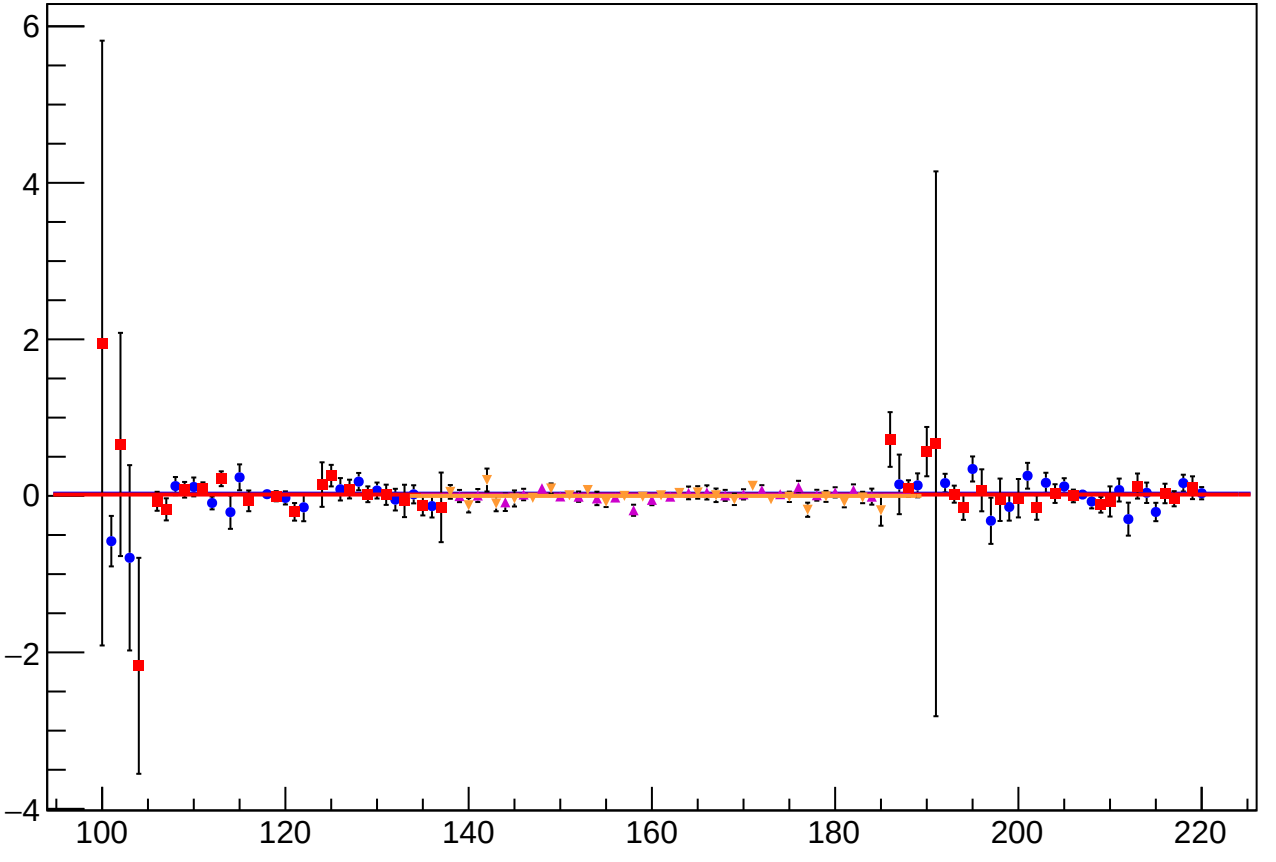
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 60.317+/-0.008 χ^2/NDF: 9899391.5/57

All: 62.596+/-0.006 χ^2/NDF: 19141738.7/117

- sign 65.172+/-0.009 χ^2/NDF: 9073908.6/59

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.020 χ^2/NDF: 36.6/32

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.021 χ^2/NDF: 33.9/36

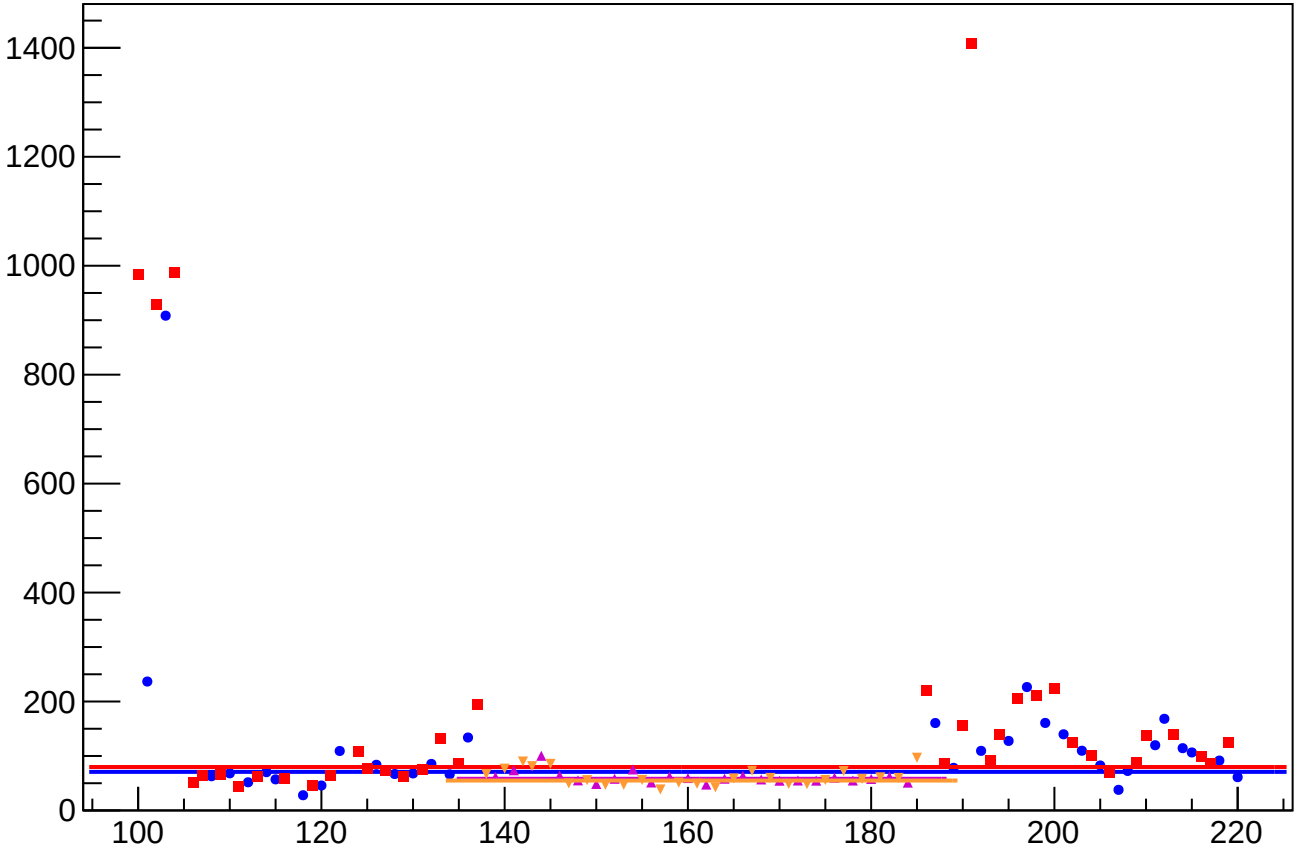
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.011 χ^2/NDF: 60.6/57

All: 0.010+/-0.008 χ^2/NDF: 110.1/117

- sign 0.011+/-0.012 χ^2/NDF: 49.5/59

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.830+/-0.014 χ^2/NDF: 7739508.1/32

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

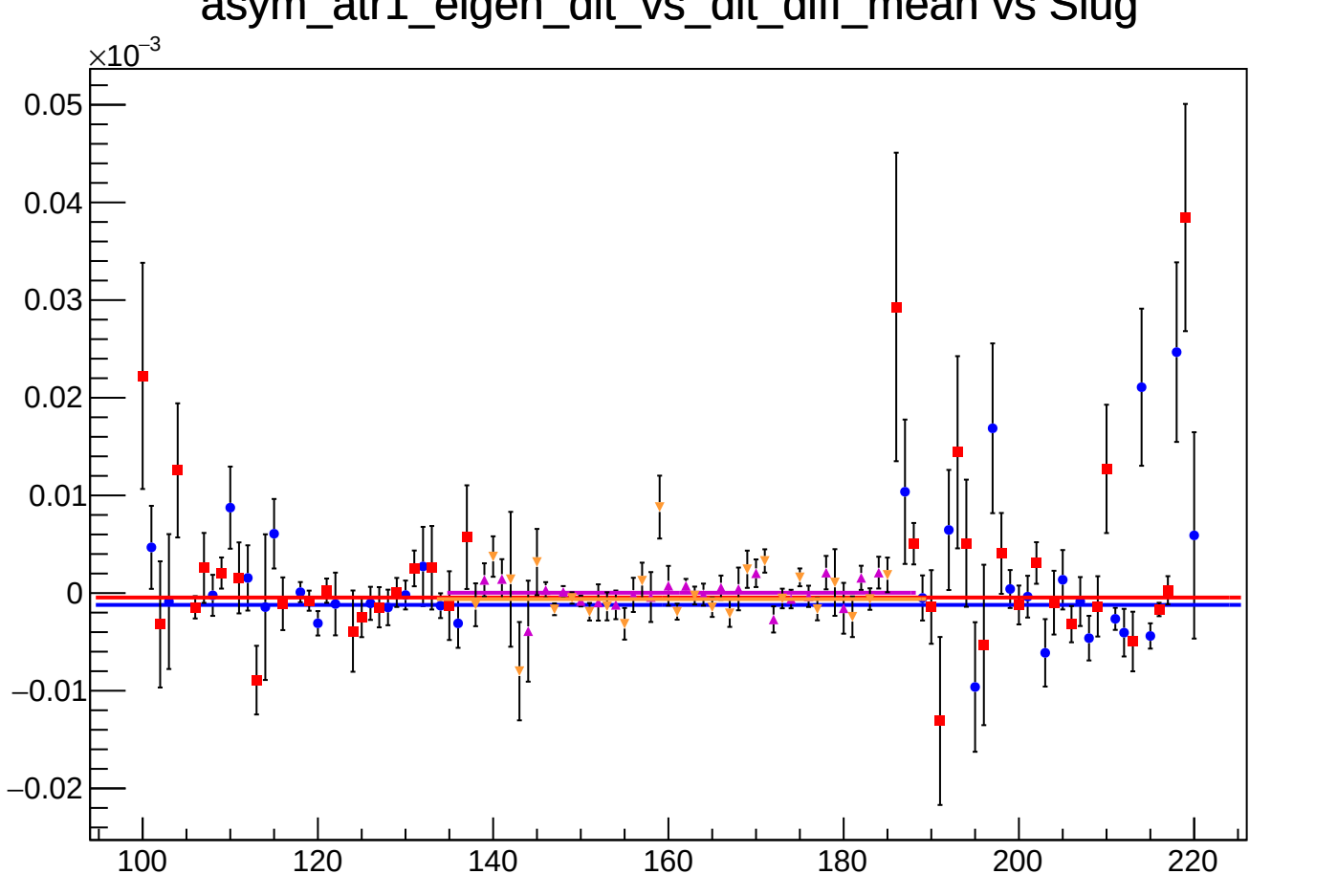
Right Out: 79.747+/-0.015 χ^2/NDF: 7035325.5/36

Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 60.317+/-0.008 χ^2/NDF: 9899391.5/57

All: 62.596+/-0.006 χ^2/NDF: 19141738.7/117

- sign 65.172+/-0.009 χ^2/NDF: 9073908.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 59.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 67.8/36

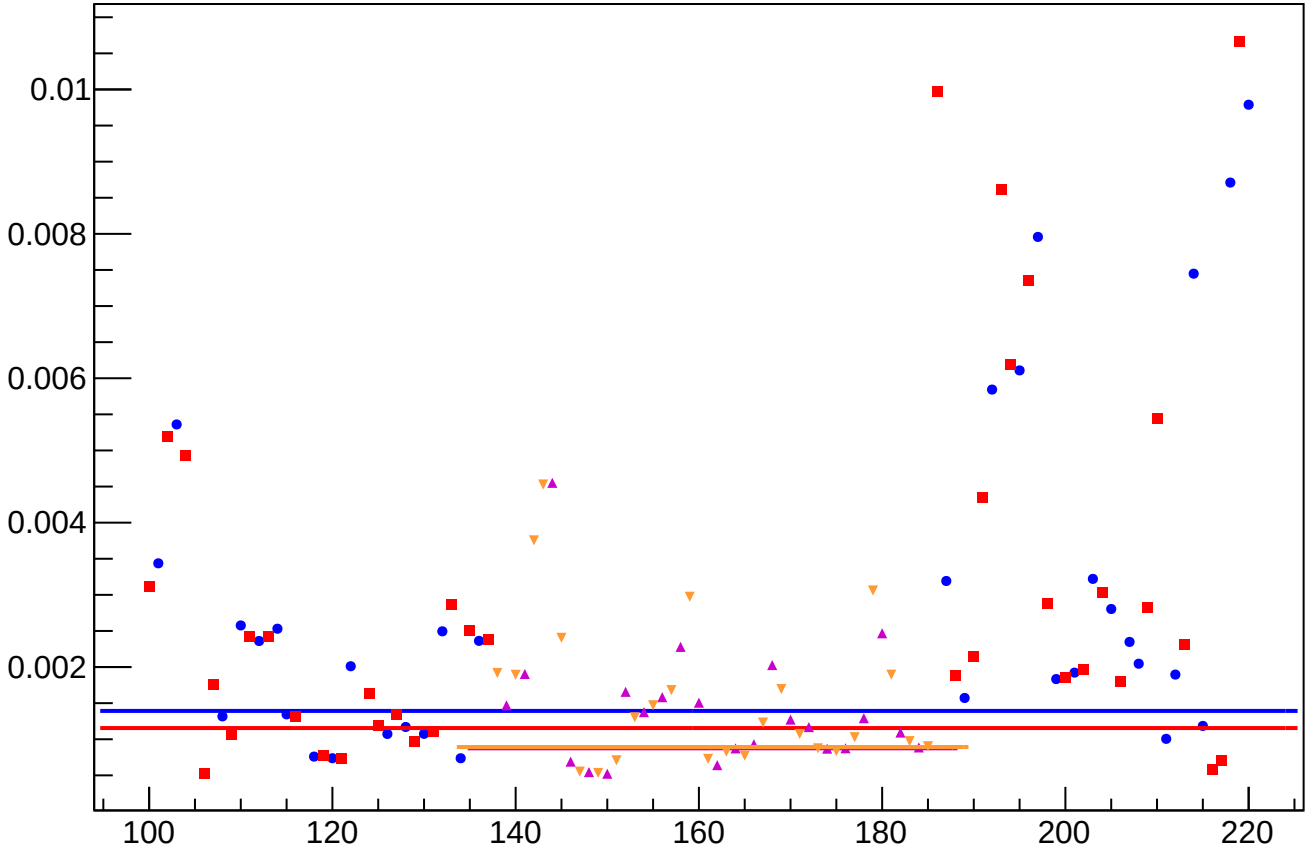
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 114.0/57

All: -0.000+/-0.000 χ^2/NDF: 207.0/117

- sign -0.000+/-0.000 χ^2/NDF: 87.4/59

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 13079852.1/32

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 15112686.0/36

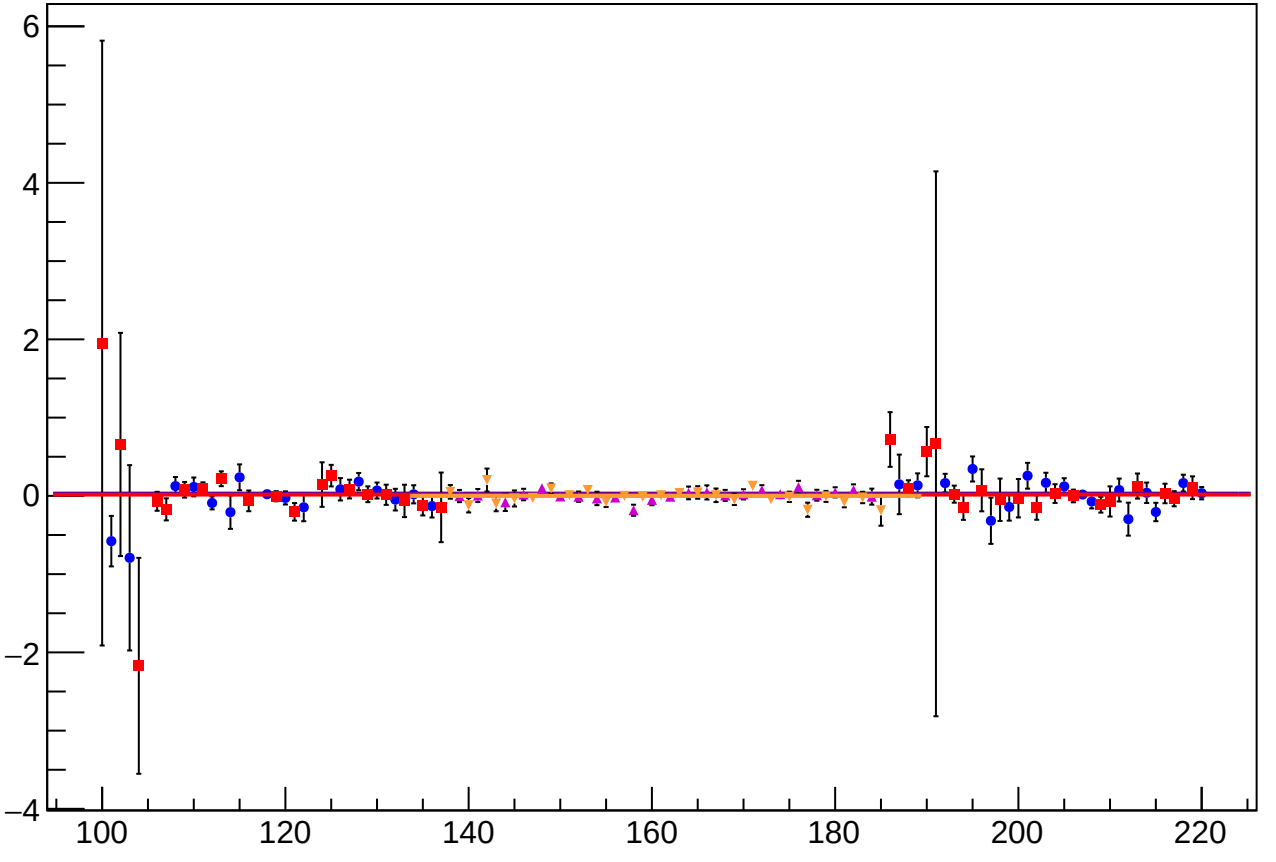
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 23360779.9/57

All: 0.001+/-0.000 χ^2/NDF: 46470491.0/117

- sign 0.001+/-0.000 χ^2/NDF: 23001748.1/59

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.020 χ^2/NDF: 36.6/32

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.021 χ^2/NDF: 33.9/36

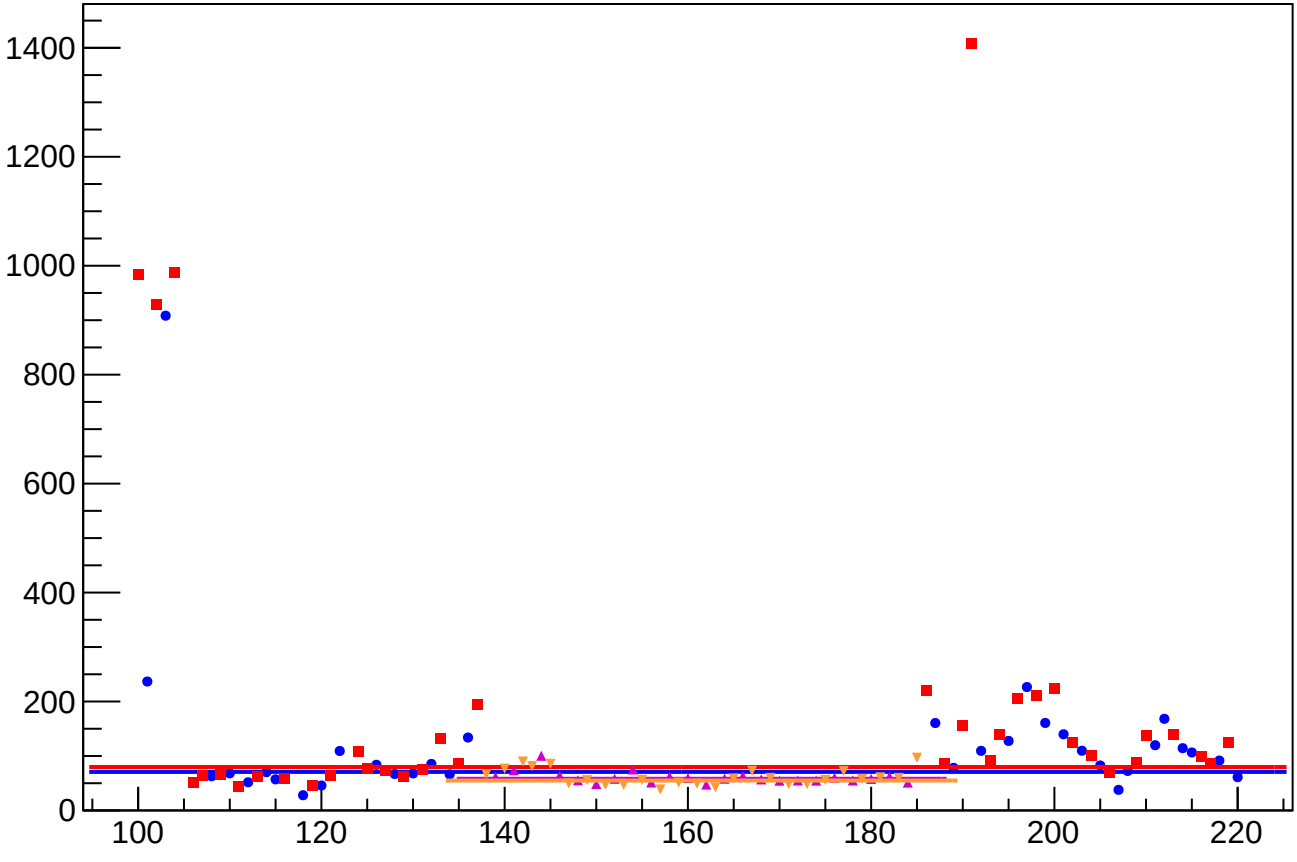
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.011 χ^2/NDF: 60.6/57

All: 0.010+/-0.008 χ^2/NDF: 110.1/117

- sign 0.011+/-0.012 χ^2/NDF: 49.5/59

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 70.829+/-0.014 χ^2/NDF: 7739820.8/32

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 79.747+/-0.015 χ^2/NDF: 7035319.4/36

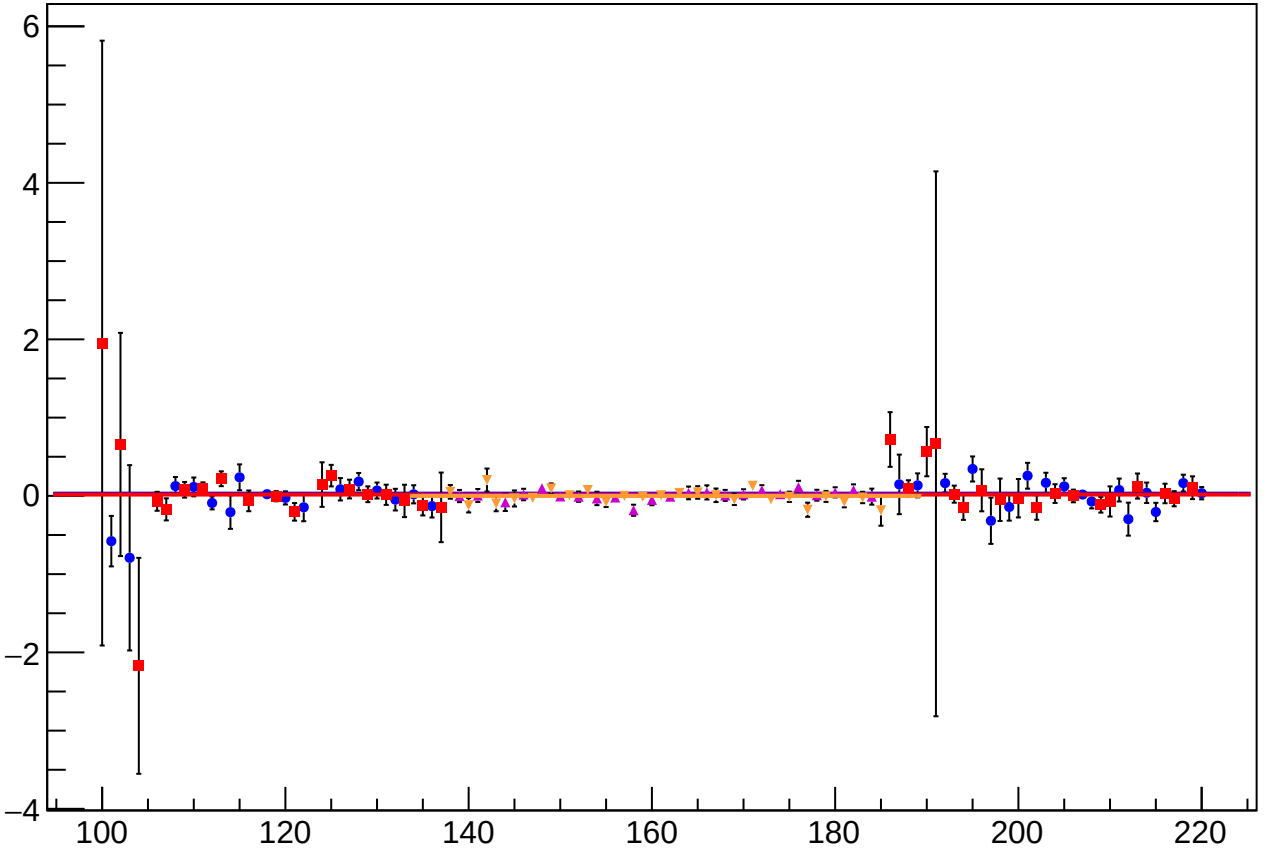
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 60.317+/-0.008 χ^2/NDF: 9899701.8/57

All: 62.596+/-0.006 χ^2/NDF: 19142080.2/117

- sign 65.172+/-0.009 χ^2/NDF: 9073894.0/59

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.020 χ^2/NDF: 36.6/32

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.017+/-0.021 χ^2/NDF: 33.9/36

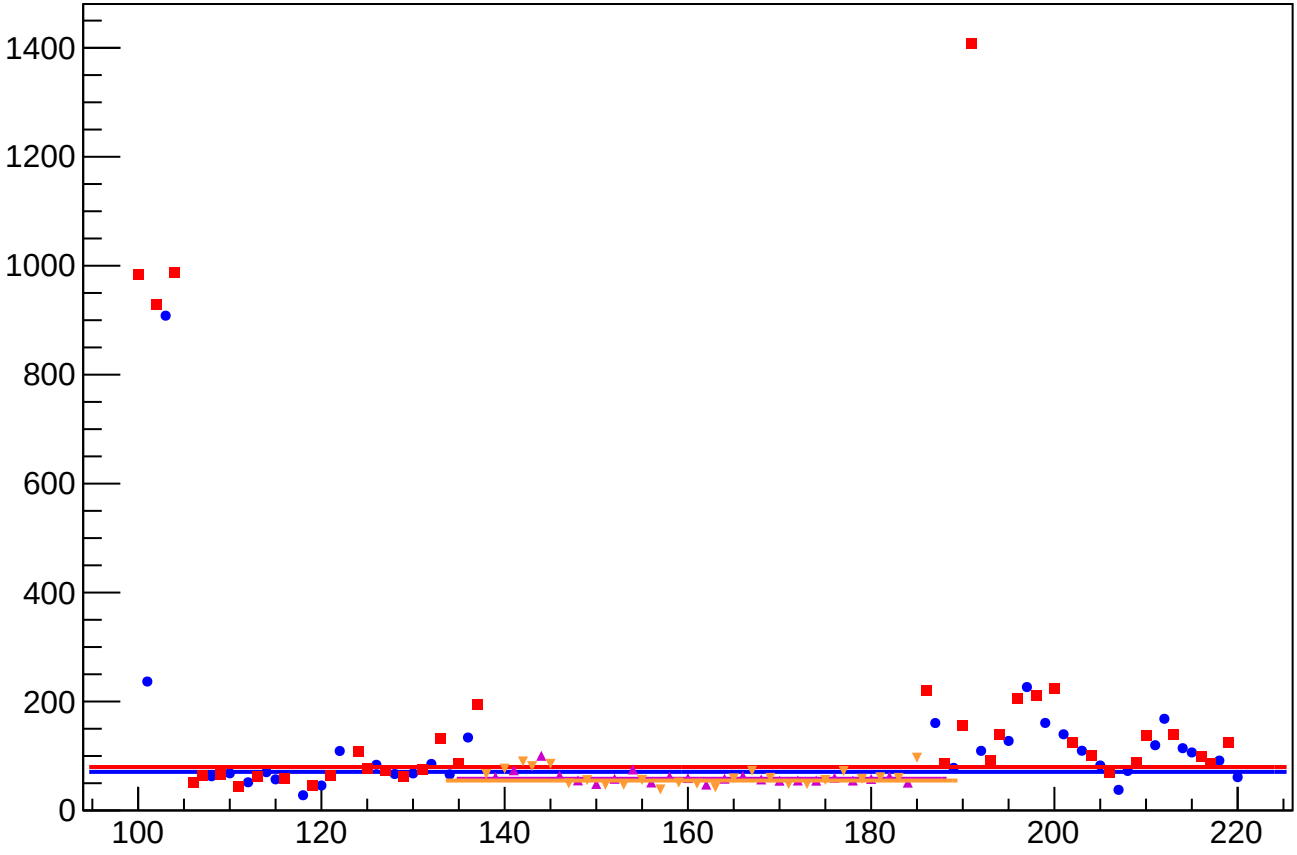
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.009+/-0.011 χ^2/NDF: 60.6/57

All: 0.010+/-0.008 χ^2/NDF: 110.1/117

- sign 0.011+/-0.012 χ^2/NDF: 49.5/59

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.829+/-0.014 χ^2/NDF: 7739820.8/32

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 79.747+/-0.015 χ^2/NDF: 7035319.4/36

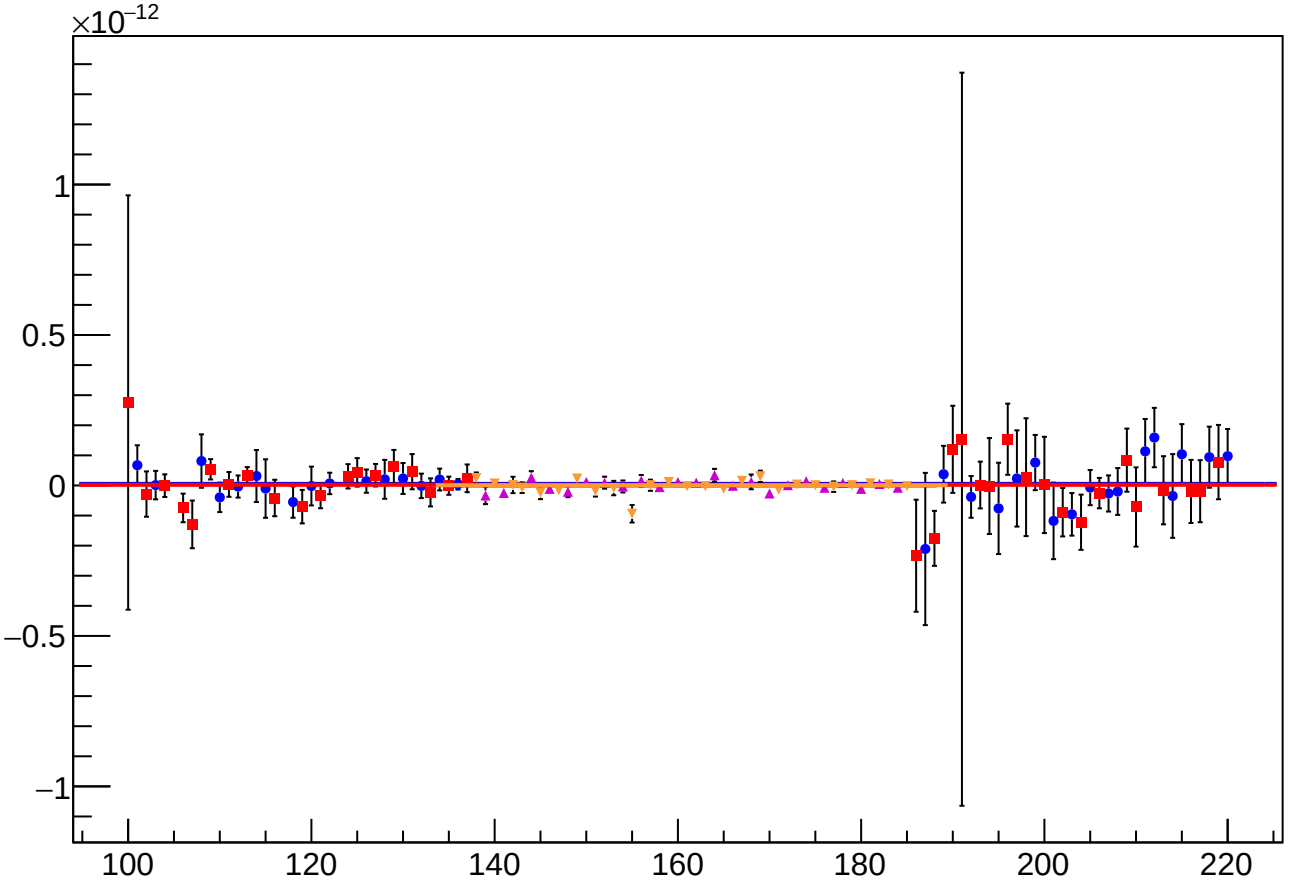
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 60.317+/-0.008 χ^2/NDF: 9899701.8/57

All: 62.596+/-0.006 χ^2/NDF: 19142080.2/117

- sign 65.172+/-0.009 χ^2/NDF: 9073894.0/59

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/36

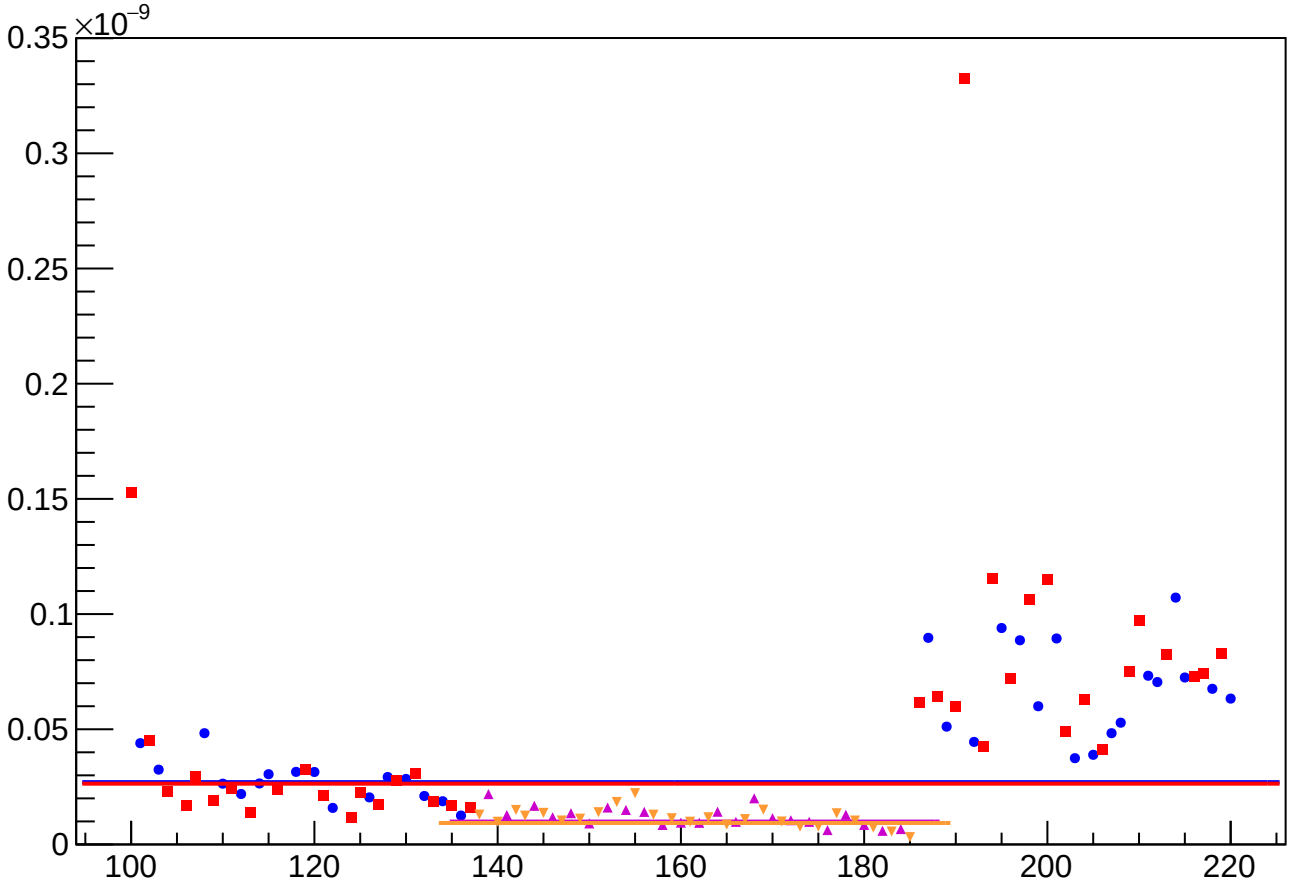
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.8/57

All: 0.000+/-0.000 χ^2/NDF: 91.1/117

- sign 0.000+/-0.000 χ^2/NDF: 49.2/59

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6990397.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

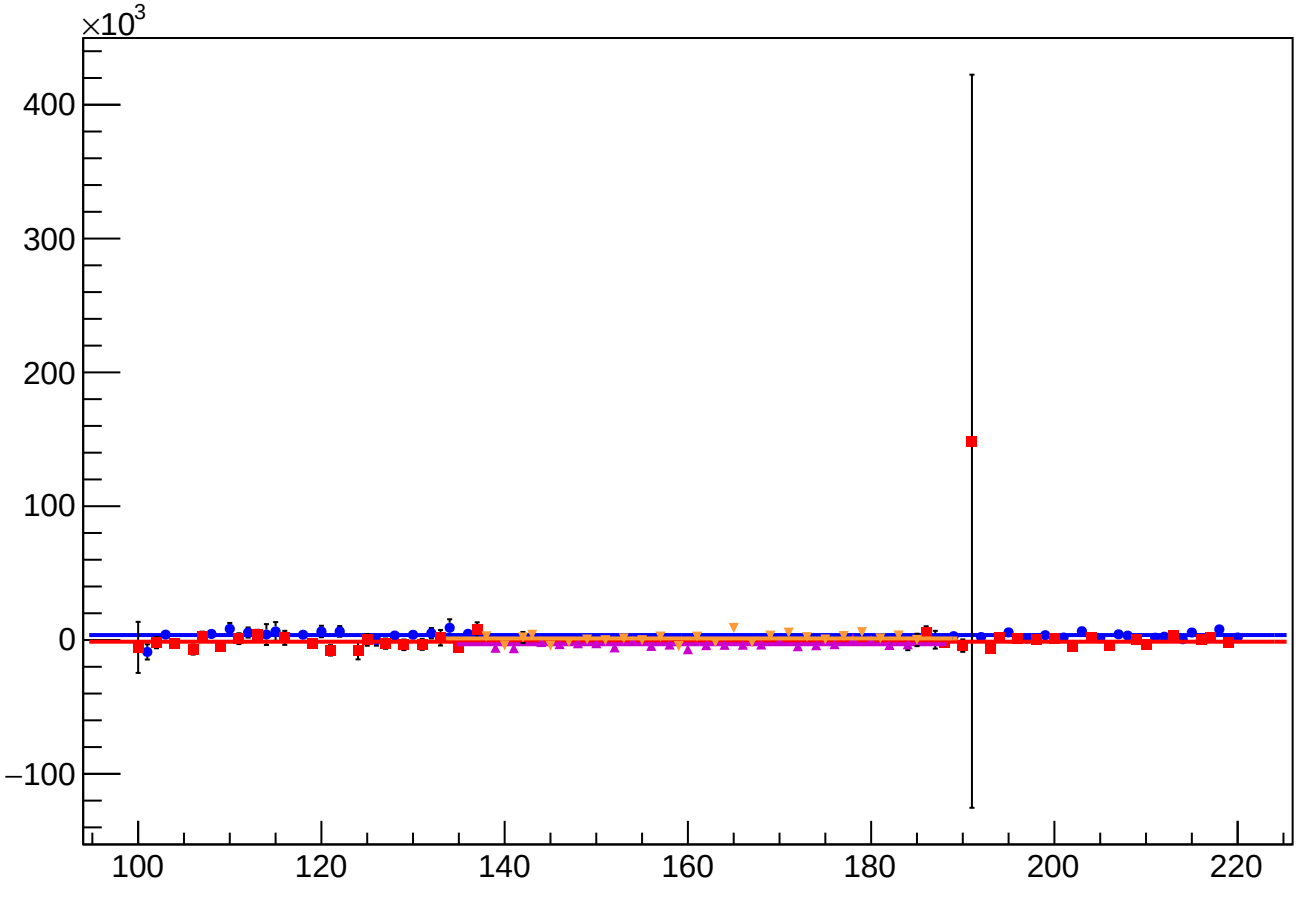
Right Out: 0.000+/-0.000 χ^2/NDF: 7585796.0/36

Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 16769946.0/57

All: 0.000+/-0.000 χ^2/NDF: 32619966.5/117

- sign 0.000+/-0.000 χ^2/NDF: 15790581.0/59



Right In: 3707.621+/-586.721 χ^2/NDF: 17.3/32

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1252.244+/-583.074 χ^2/NDF: 33.1/36

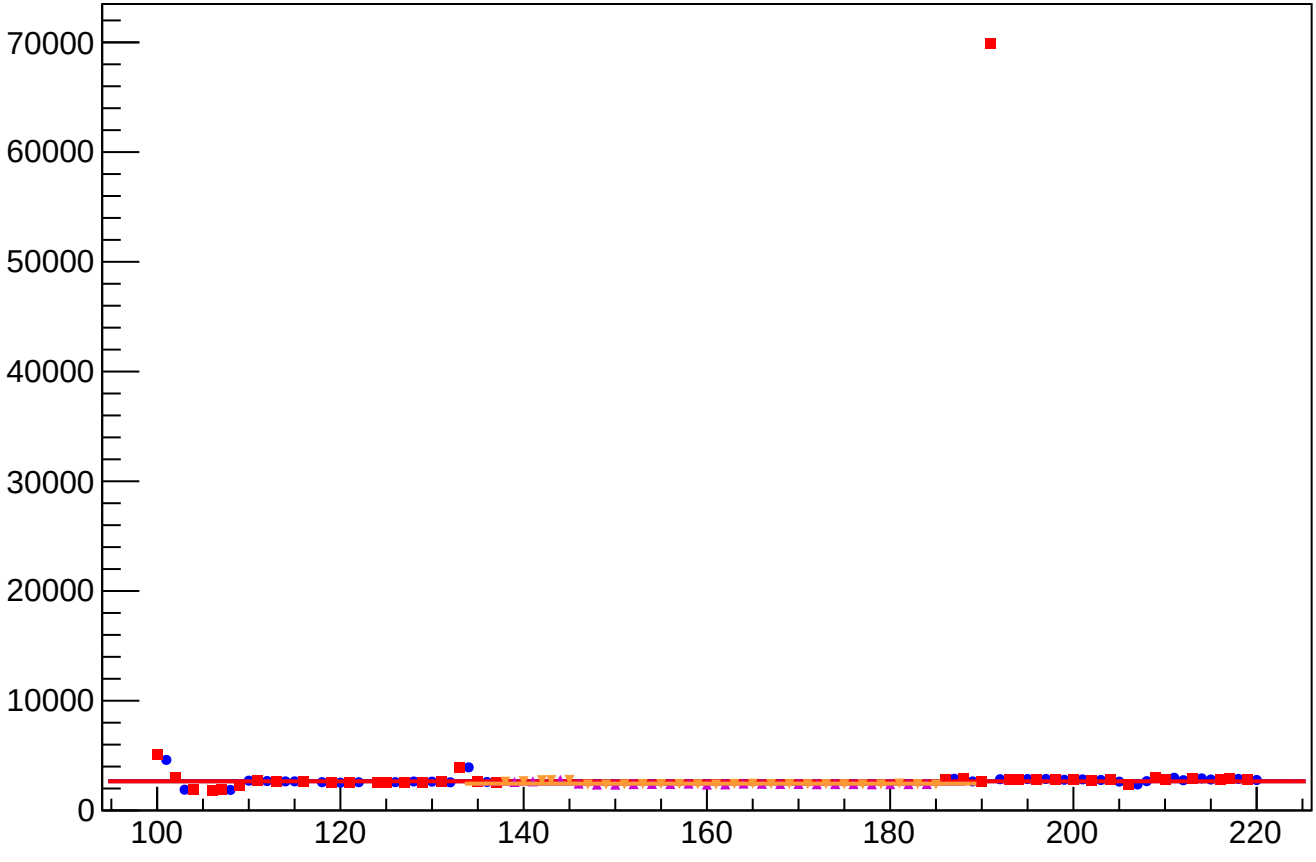
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2381.107+/-403.668 χ^2/NDF: 58.1/57

All: 99.923+/-286.715 χ^2/NDF: 173.8/117

- sign -2222.612+/-407.310 χ^2/NDF: 51.2/59

reg_asym_atr2_rms vs Slug



Right In: 2667.409+/-0.415 χ^2/NDF: 784439.5/32

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2654.640+/-0.412 χ^2/NDF: 826857.4/36

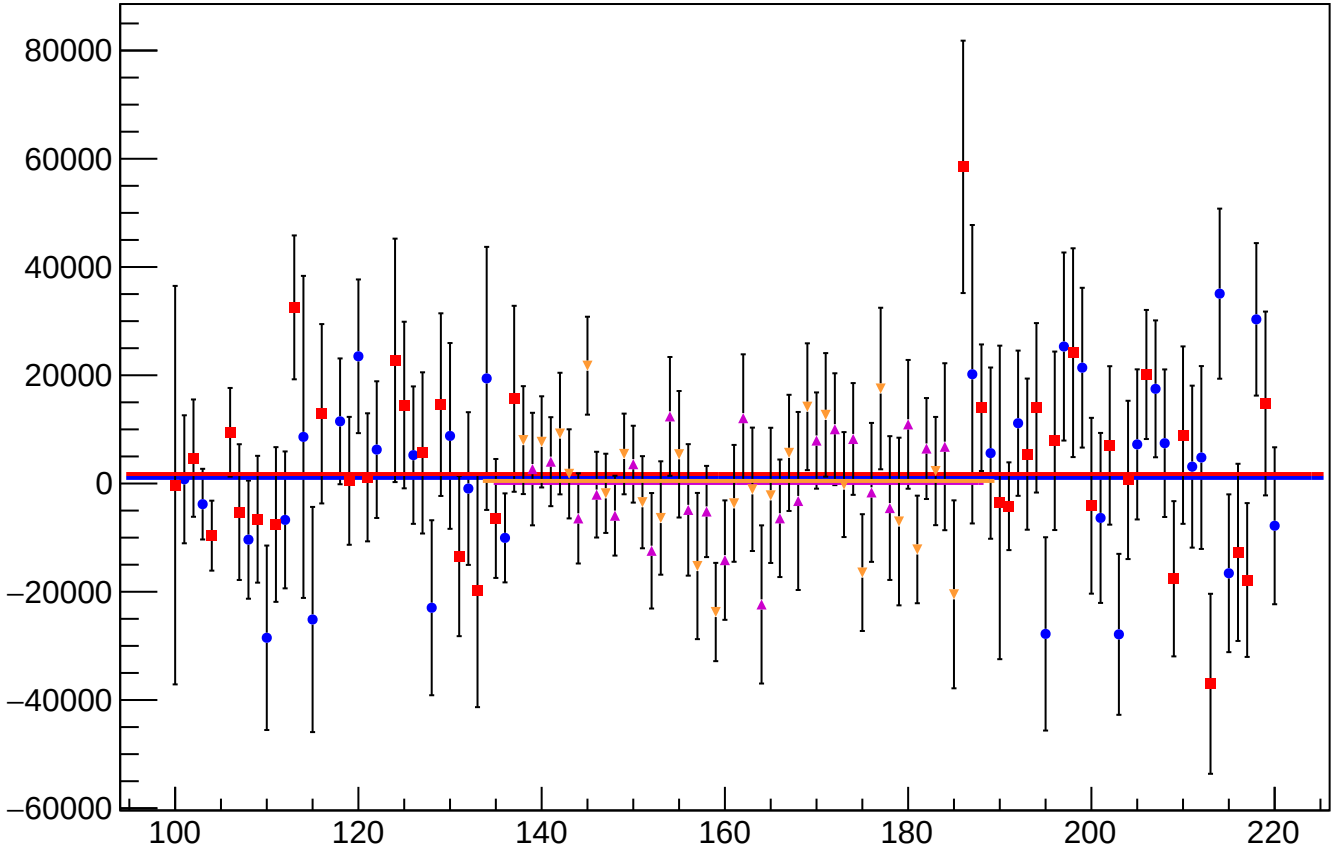
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2550.713+/-0.285 χ^2/NDF: 1024686.3/57

All: 2546.726+/-0.203 χ^2/NDF: 2055181.7/11

- sign 2542.666+/-0.288 χ^2/NDF: 1030101.7/59

asym_atr2_reg_correction_mean vs Slug



Right In: 1042.270+/-2359.939 χ^2/NDF: 39.7/32

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 1751.778+/-2189.805 χ^2/NDF: 39.7/36

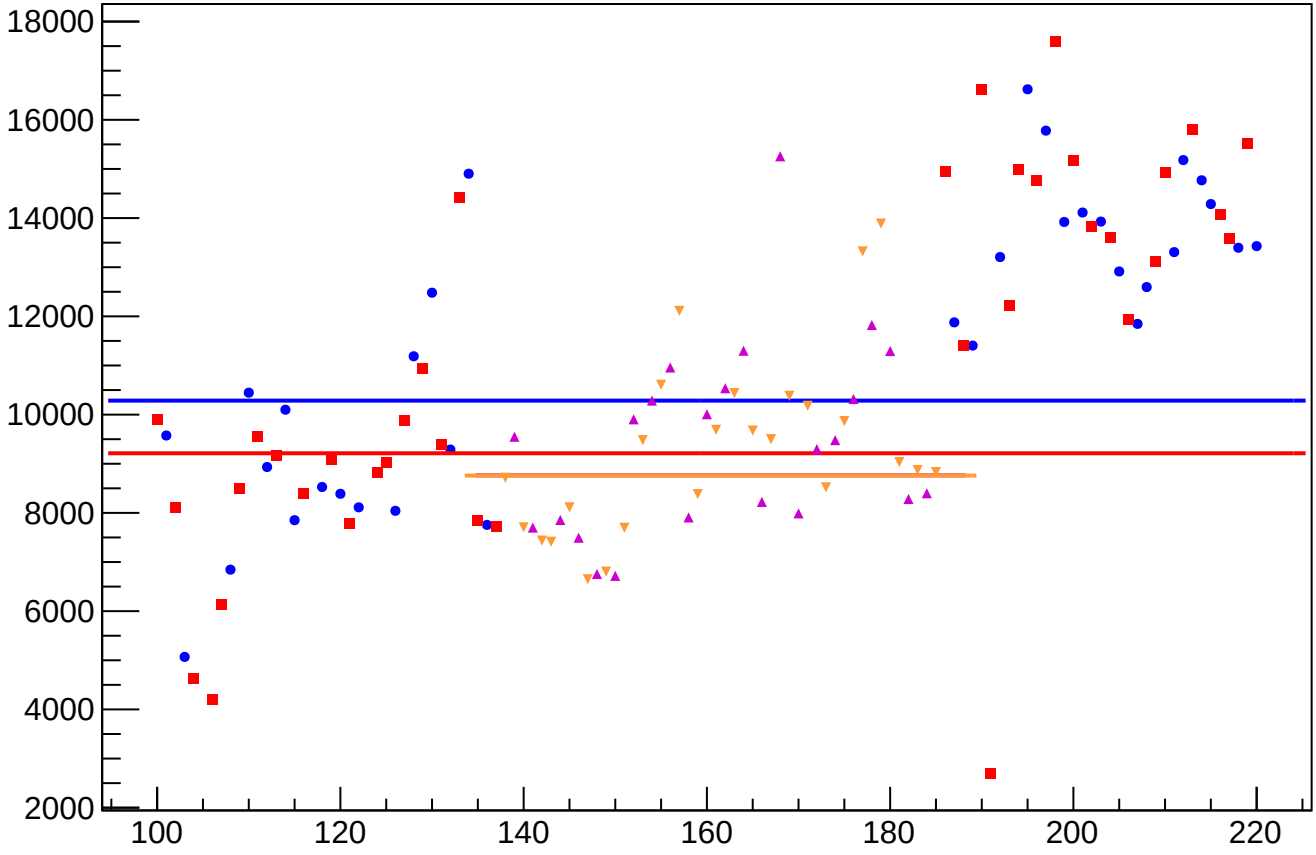
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign 718.308+/-1541.566 χ^2/NDF: 67.1/57

All: 805.973+/-1079.536 χ^2/NDF: 121.7/117

- sign 890.336+/-1512.246 χ^2/NDF: 54.5/59

asym_atr2_reg_correction_rms vs Slug



Right In: 10284.955+/-1.669 χ^2/NDF: 3885333.9/32

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

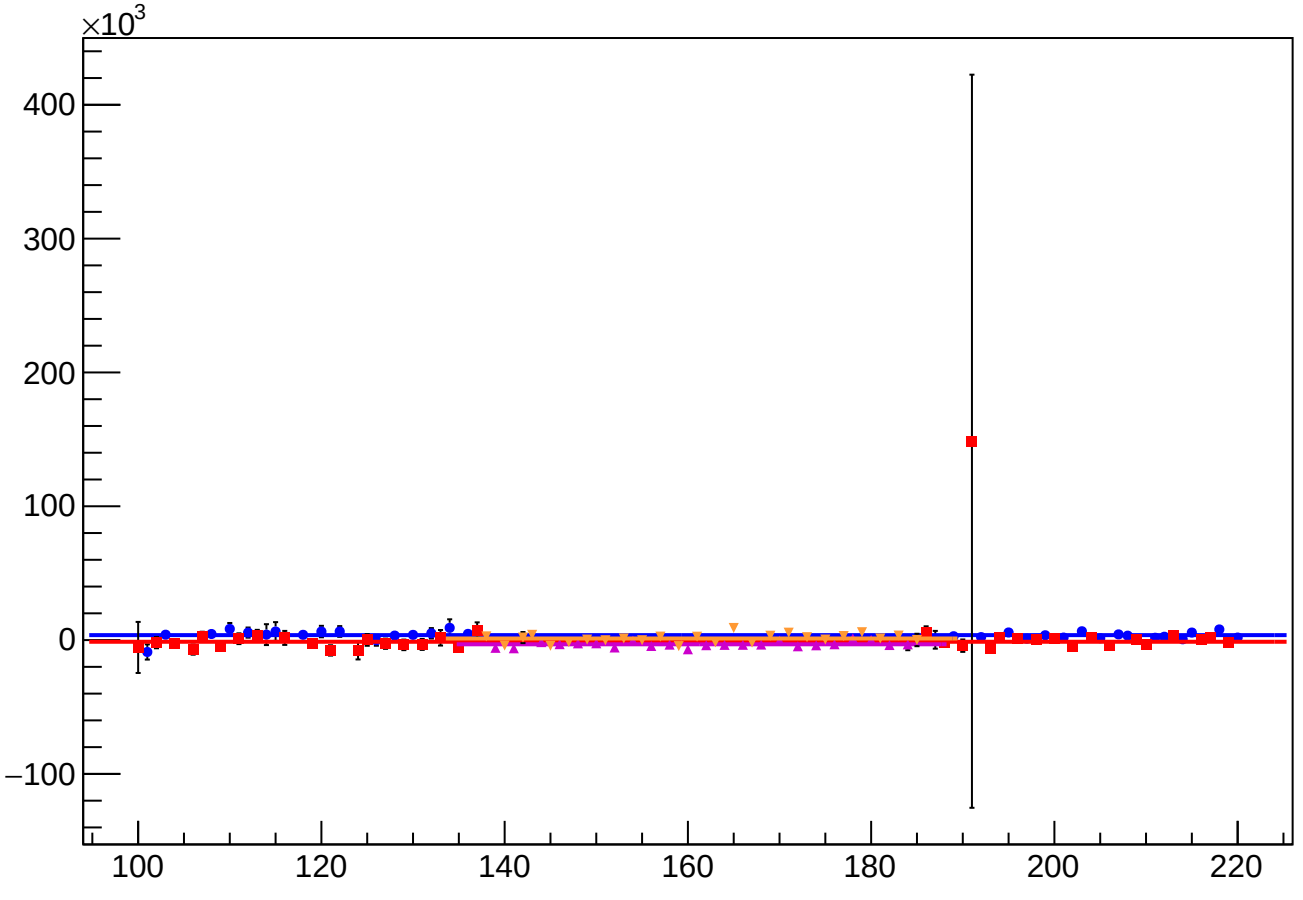
Right Out: 9213.718+/-1.548 χ^2/NDF: 6812899.1/36

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 9410.489+/-1.090 χ^2/NDF: 5586568.4/57

All: 9190.371+/-0.763 χ^2/NDF: 13815281.8/1

- sign 8978.546+/-1.069 χ^2/NDF: 8148695.4/59



Right In: 3707.479+/-586.721 χ^2/NDF: 17.3/32

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1252.564+/-583.076 χ^2/NDF: 33.1/36

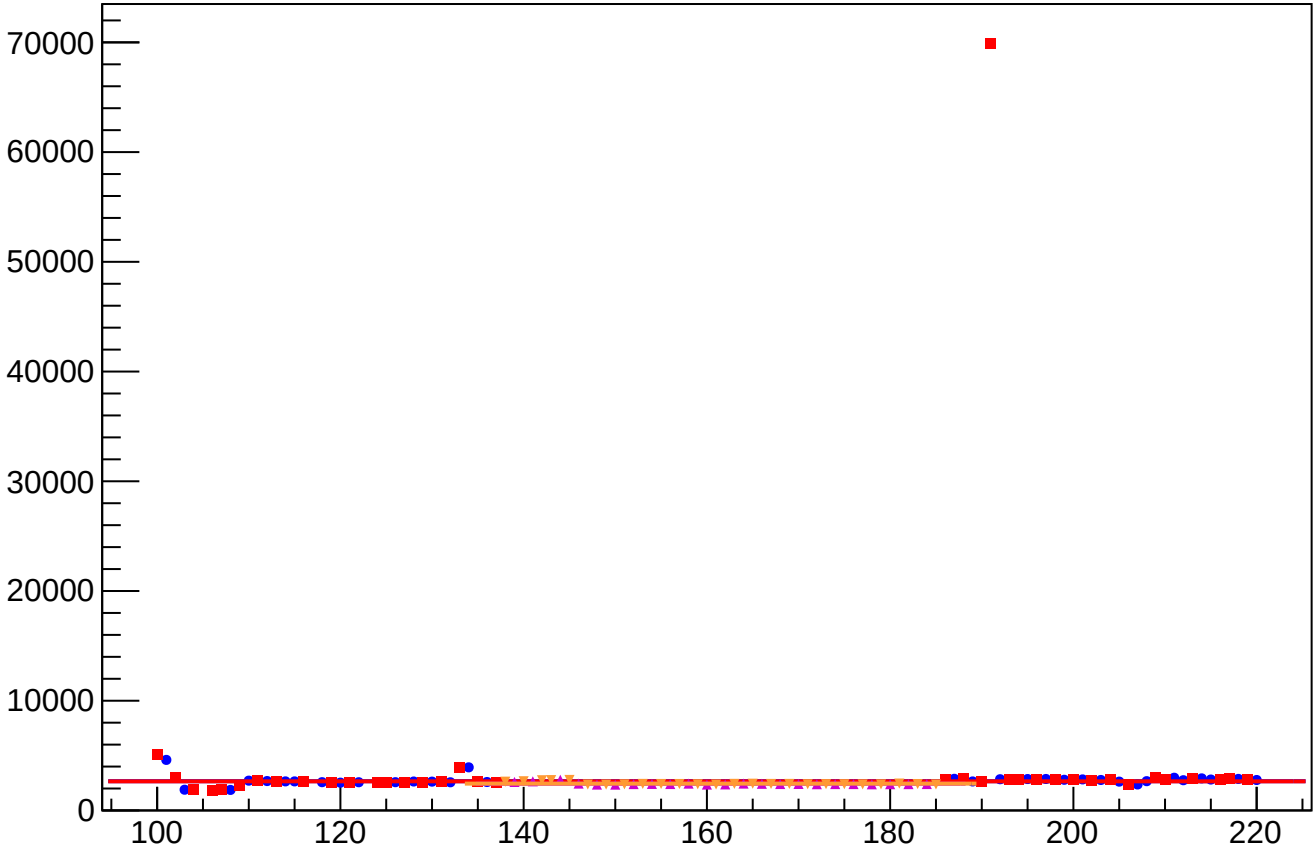
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2380.950+/-403.668 χ^2/NDF: 58.1/57

All: 99.818+/-286.715 χ^2/NDF: 173.8/117

- sign -2222.670+/-407.310 χ^2/NDF: 51.2/59

cor_asym_atr2_rms vs Slug



Right In: 2667.410+/-0.415 χ^2/NDF: 784436.6/32

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2654.651+/-0.412 χ^2/NDF: 826778.0/36

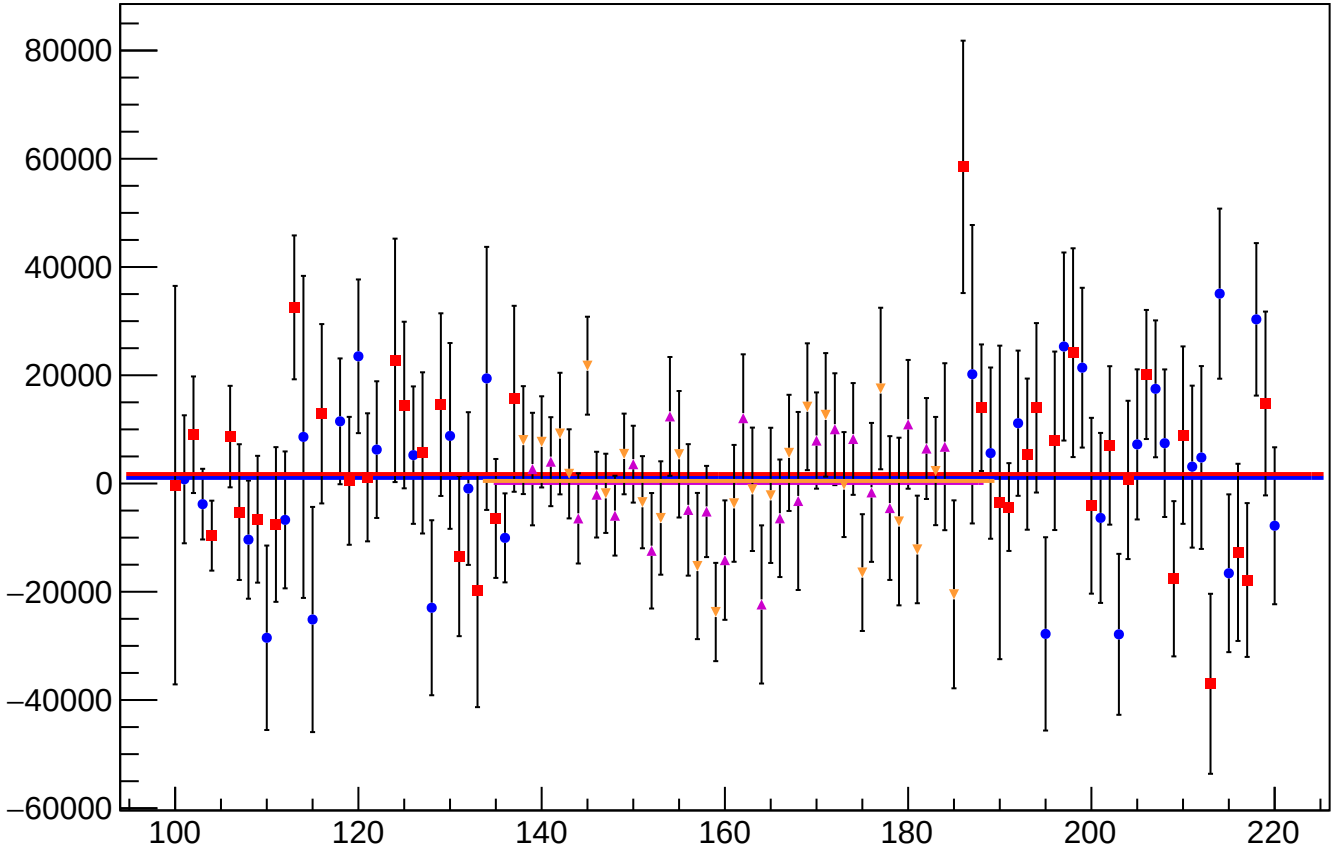
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2550.713+/-0.285 χ^2/NDF: 1024683.9/57

All: 2546.728+/-0.203 χ^2/NDF: 2055113.4/11

- sign 2542.671+/-0.288 χ^2/NDF: 1030036.3/59

asym_atr2_cor_correction_mean vs Slug



Right In: 1042.585+/-2359.978 χ^2/NDF: 39.7/32

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

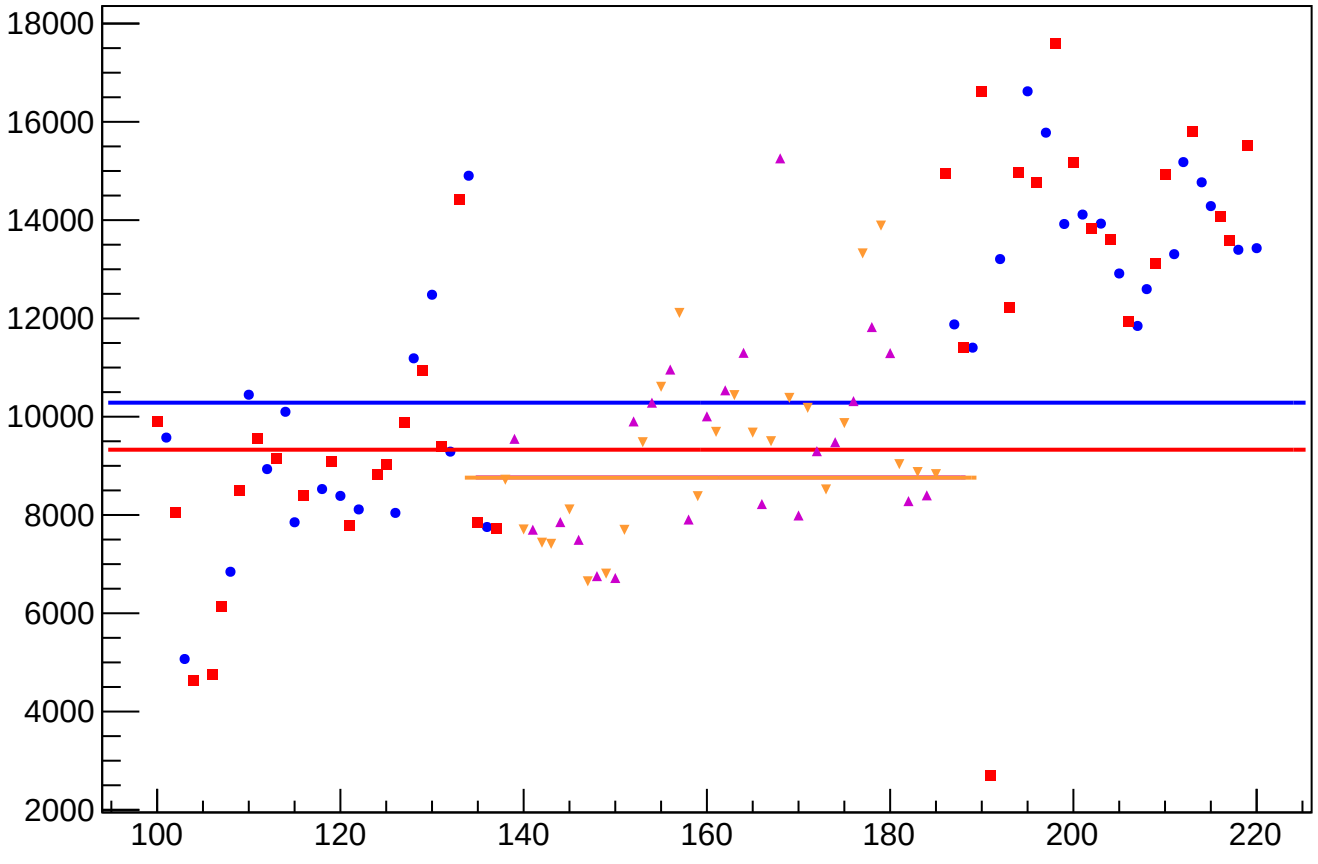
Right Out: 1746.945+/-2208.167 χ^2/NDF: 39.8/36

Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign 718.444+/-1541.576 χ^2/NDF: 67.1/57

All: 801.078+/-1081.719 χ^2/NDF: 121.7/117

- sign 881.230+/-1518.253 χ^2/NDF: 54.6/59



Right In: 10285.223+/-1.669 χ^2/NDF: 3884651.4/32

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9328.249+/-1.561 χ^2/NDF: 6509798.6/36

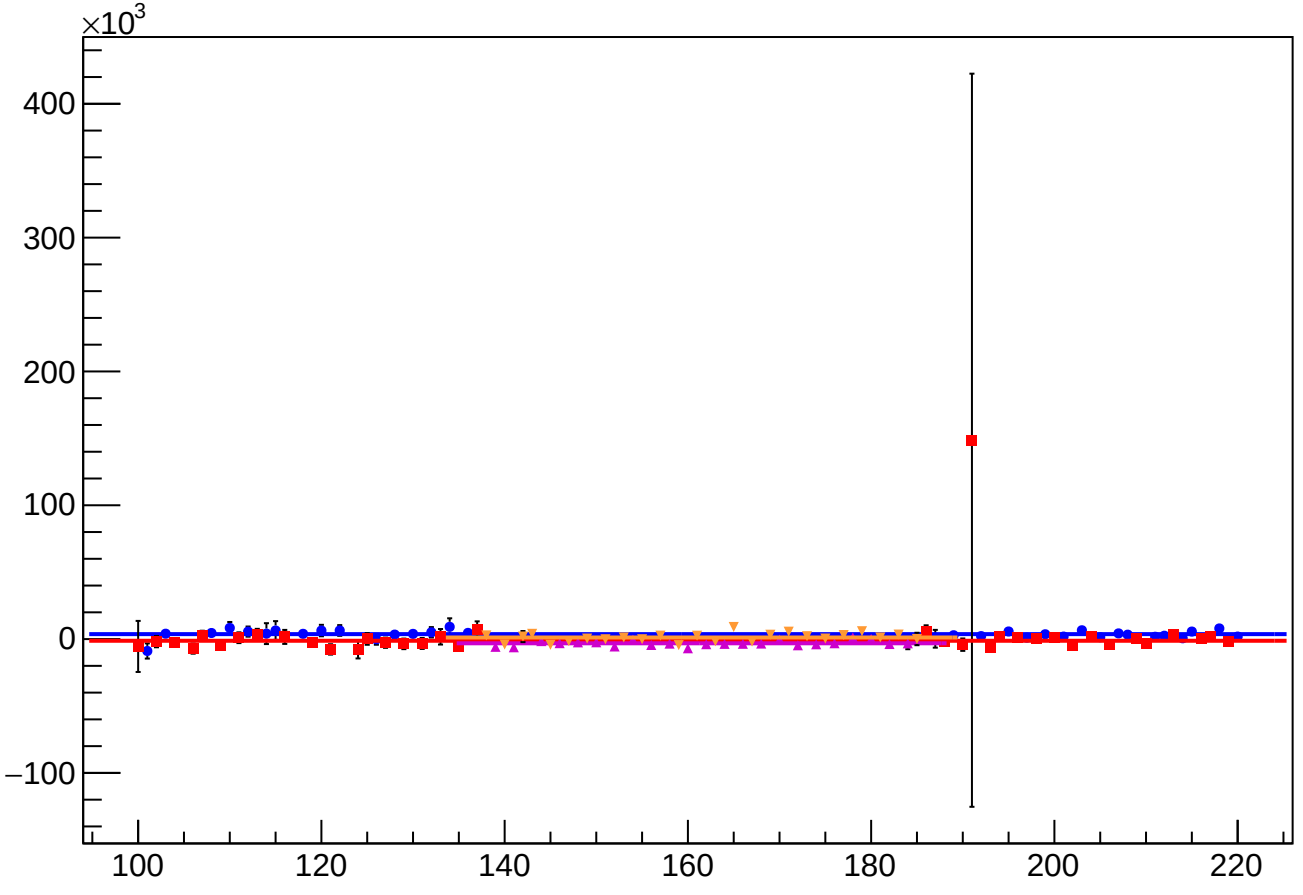
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9410.585+/-1.090 χ^2/NDF: 5586062.2/57

All: 9217.805+/-0.765 χ^2/NDF: 13517997.5/1

- sign 9030.815+/-1.074 χ^2/NDF: 7870321.0/59

eigen_cor_asym_atr2_mean vs Slug



Right In: 3707.479+/-586.721 χ^2/NDF: 17.3/32

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1252.564+/-583.076 χ^2/NDF: 33.1/36

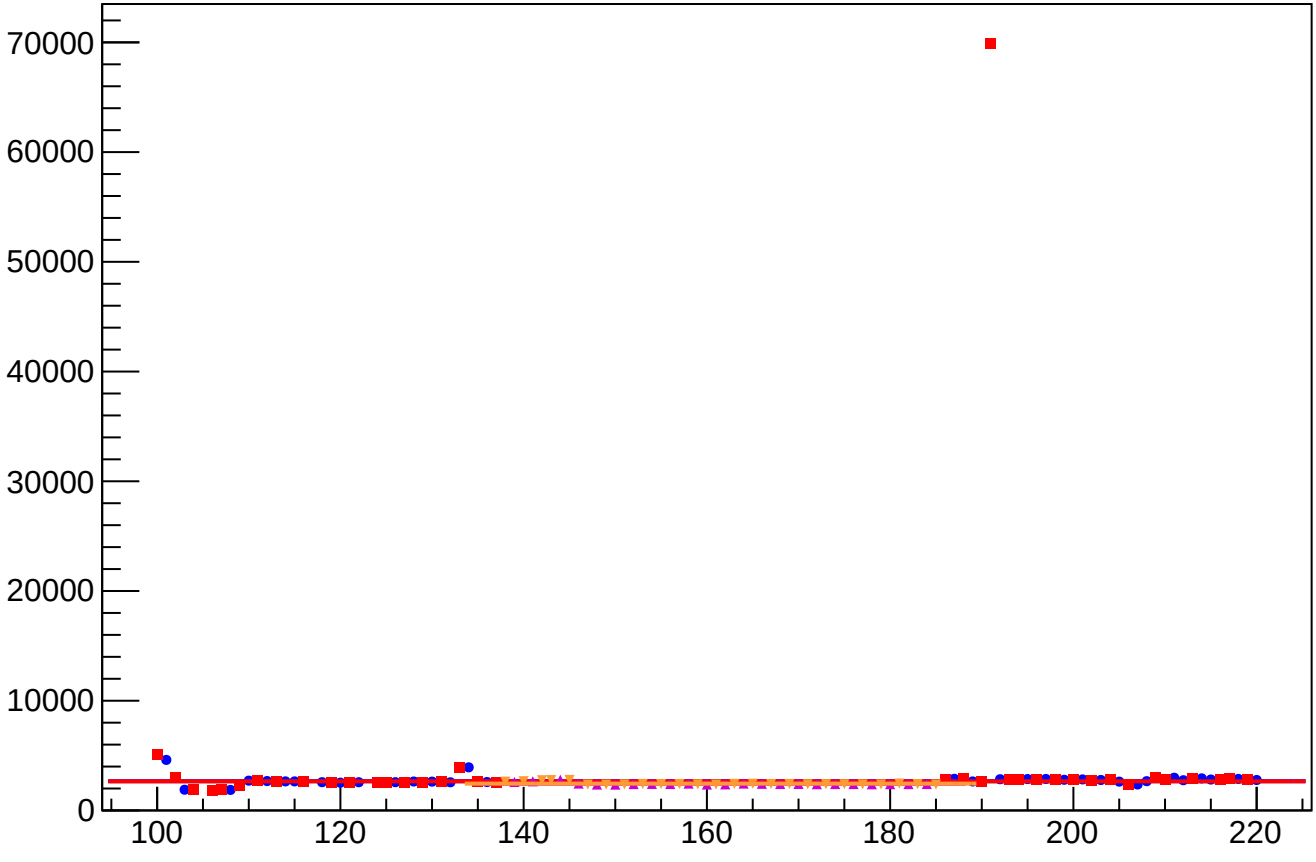
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2380.950+/-403.668 χ^2/NDF: 58.1/57

All: 99.818+/-286.715 χ^2/NDF: 173.8/117

- sign -2222.670+/-407.310 χ^2/NDF: 51.2/59

eigen_cor_asym_atr2_rms vs Slug



Right In: 2667.410+/-0.415 χ^2/NDF: 784436.6/32

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2654.651+/-0.412 χ^2/NDF: 826778.0/36

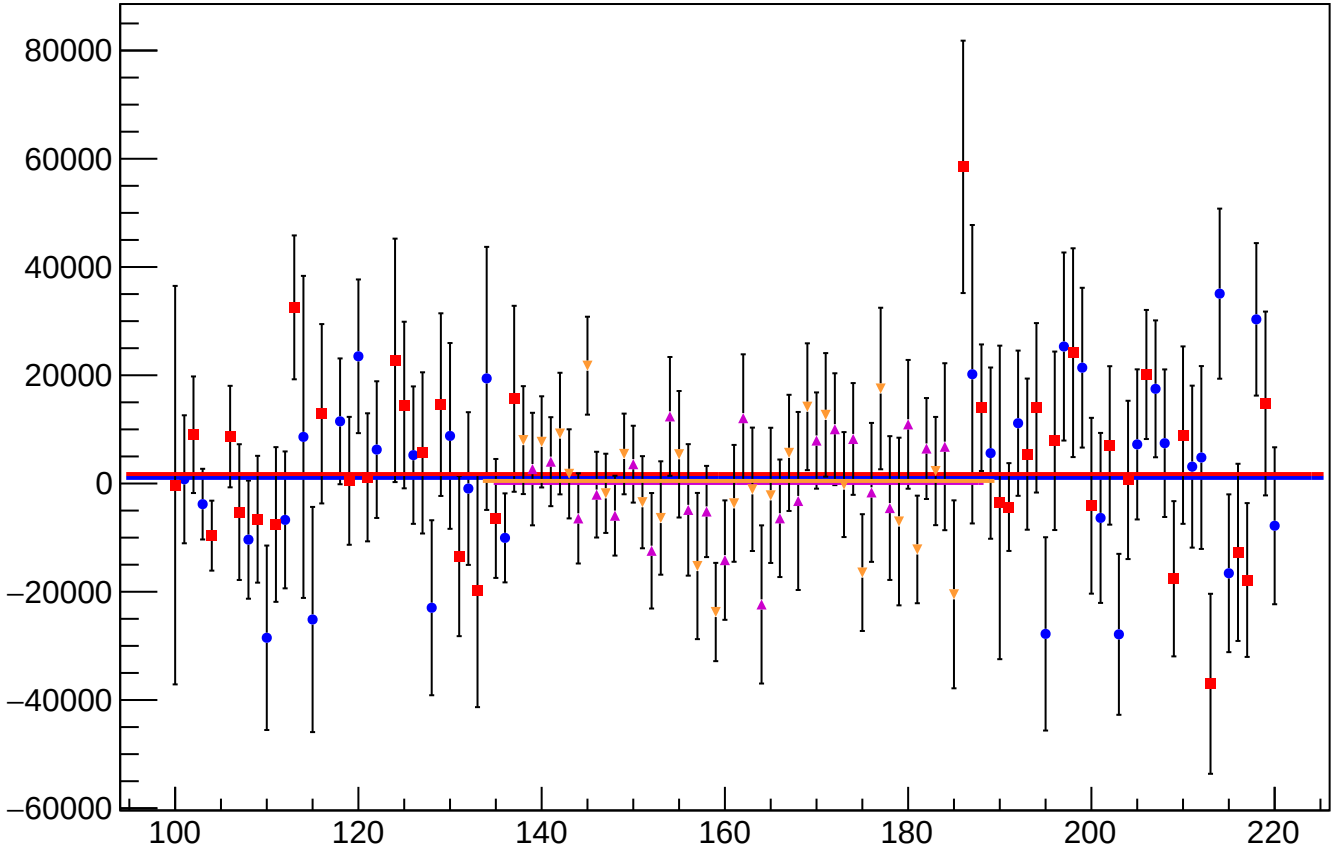
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2550.713+/-0.285 χ^2/NDF: 1024683.9/57

All: 2546.728+/-0.203 χ^2/NDF: 2055113.4/11

- sign 2542.671+/-0.288 χ^2/NDF: 1030036.3/59

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: 1042.585+/-2359.978 χ^2/NDF: 39.7/32

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 1746.945+/-2208.167 χ^2/NDF: 39.8/36

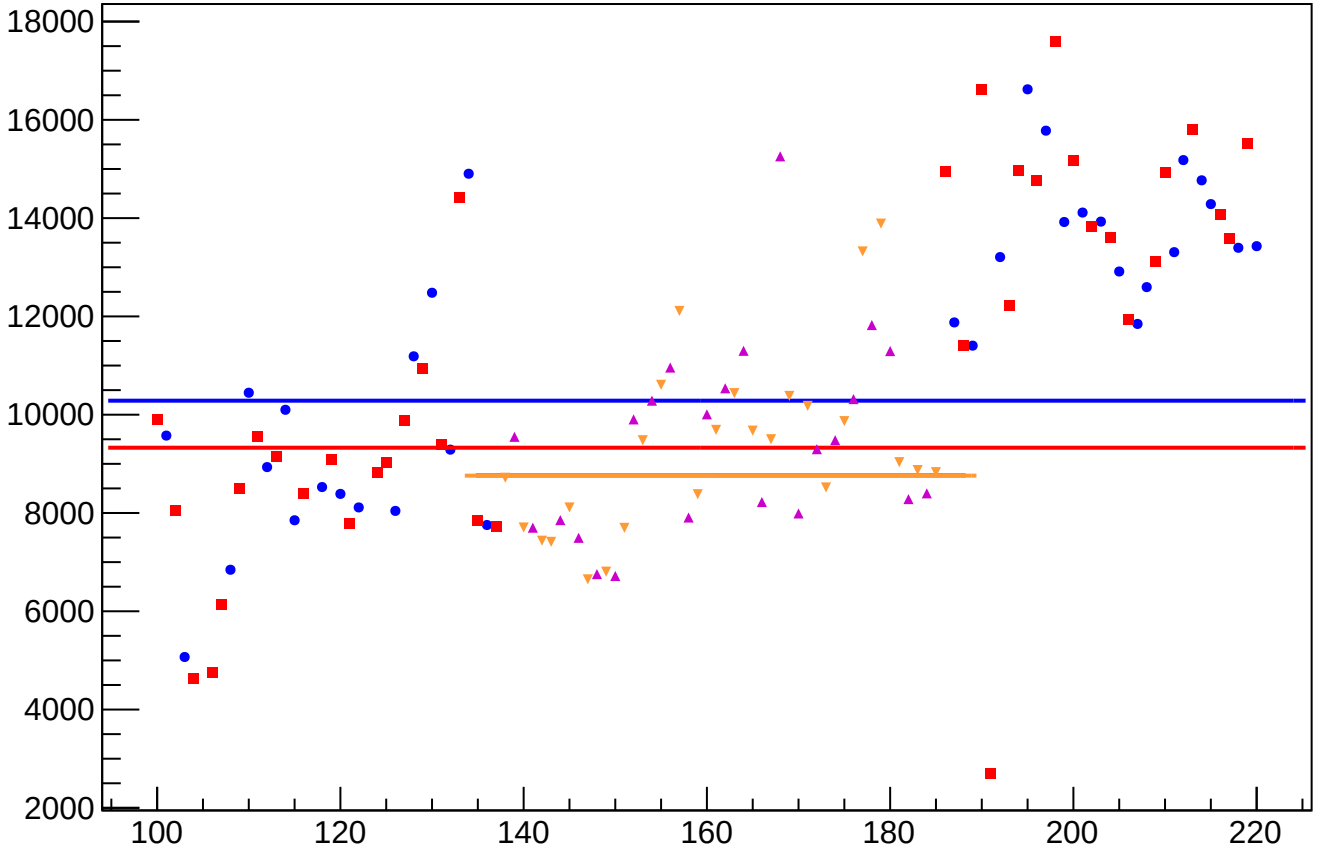
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

\+ sign 718.444+/-1541.576 χ^2/NDF: 67.1/57

All: 801.078+/-1081.719 χ^2/NDF: 121.7/117

\- sign 881.230+/-1518.253 χ^2/NDF: 54.6/59

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 10285.223+/-1.669 χ^2/NDF: 3884651.4/32

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 9328.249+/-1.561 χ^2/NDF: 6509798.6/36

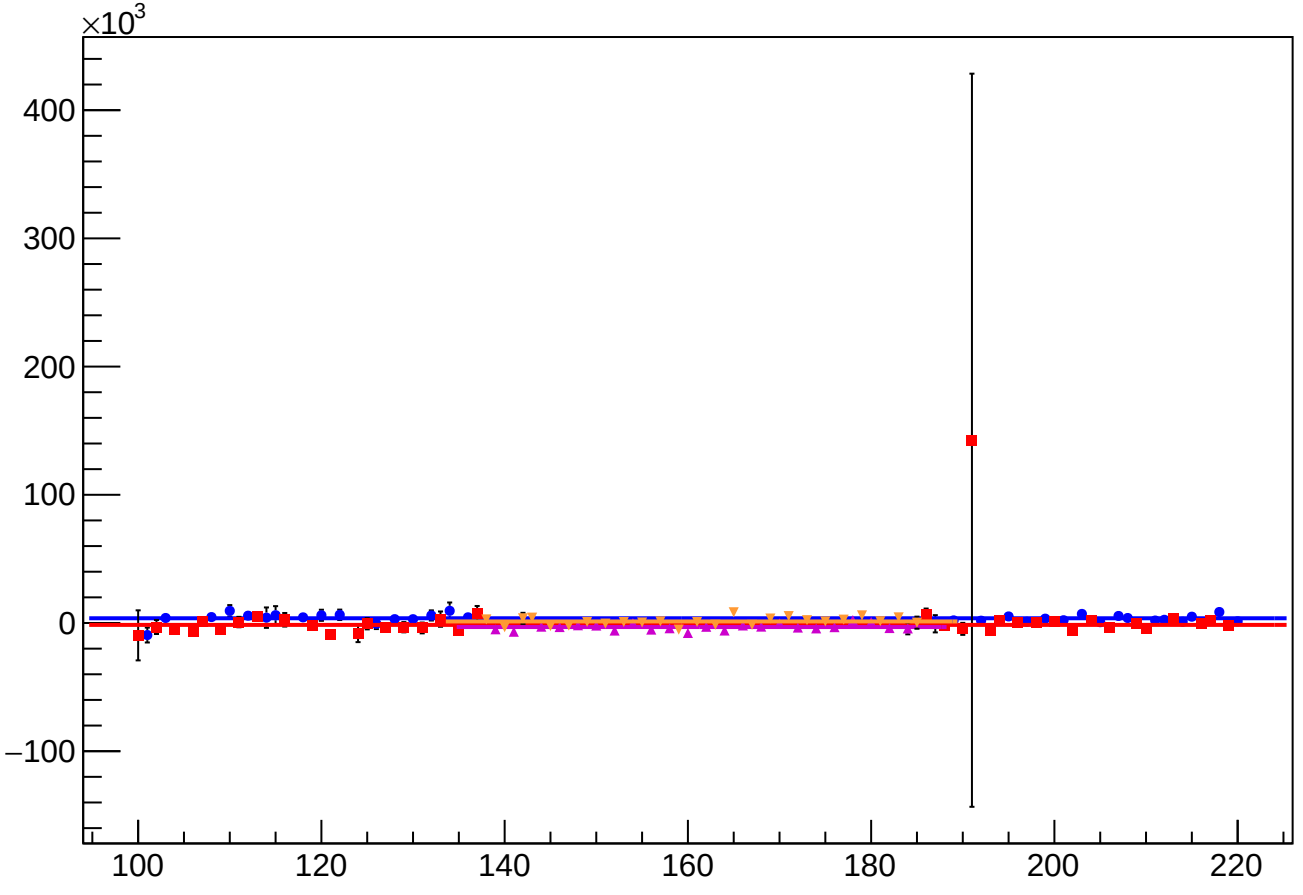
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9410.585+/-1.090 χ^2/NDF: 5586062.2/57

All: 9217.805+/-0.765 χ^2/NDF: 13517997.5/1

- sign 9030.815+/-1.074 χ^2/NDF: 7870321.0/59

dit_asym_atr2_mean vs Slug



Right In: 3691.666+/-601.303 χ^2/NDF: 20.0/32

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1478.841+/-599.605 χ^2/NDF: 37.3/36

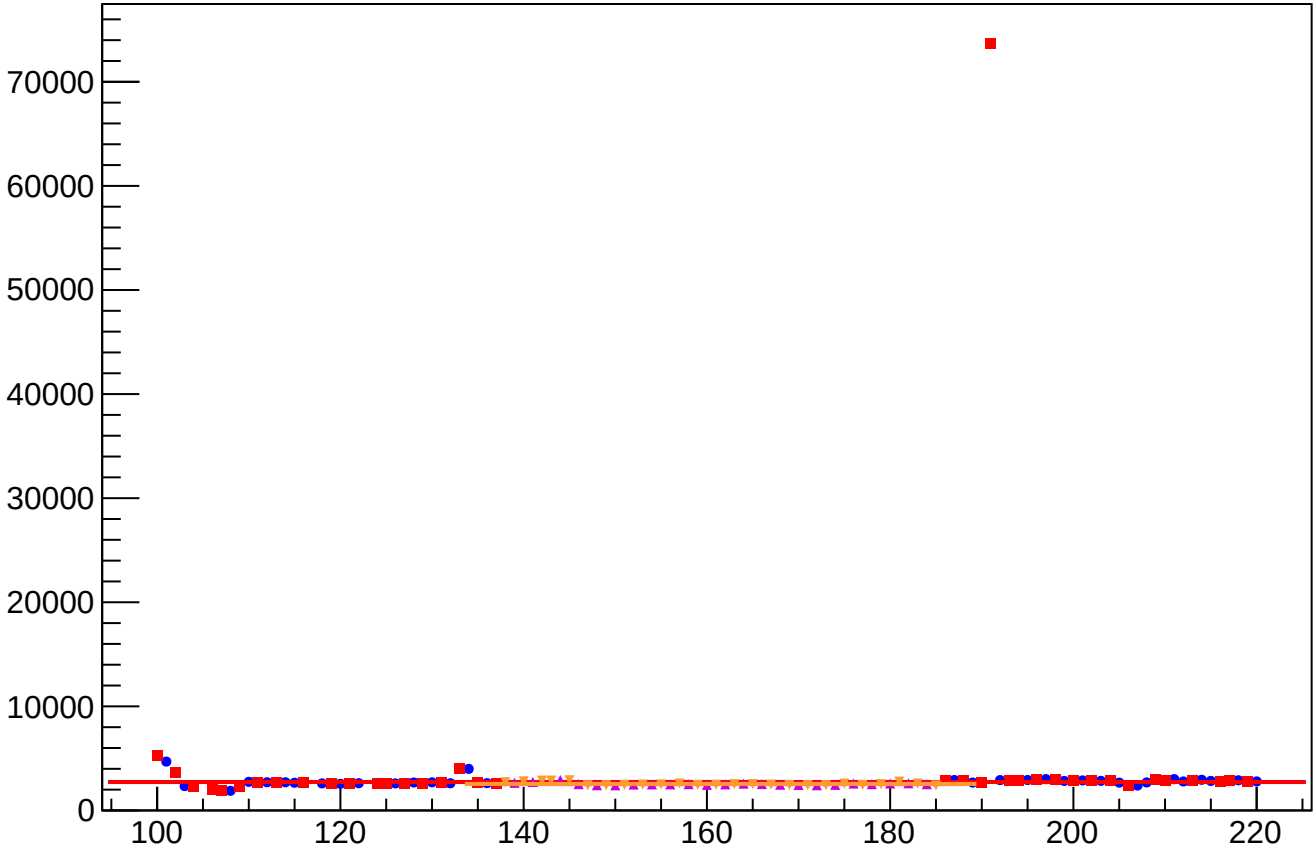
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2407.448+/-417.335 χ^2/NDF: 55.6/57

All: 63.637+/-296.497 χ^2/NDF: 176.9/117

- sign -2325.056+/-421.312 χ^2/NDF: 57.7/59

dit_asym_atr2_rms vs Slug



Right In: 2738.657+/-0.425 χ^2/NDF: 620880.8/32

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2729.871+/-0.424 χ^2/NDF: 708218.7/36

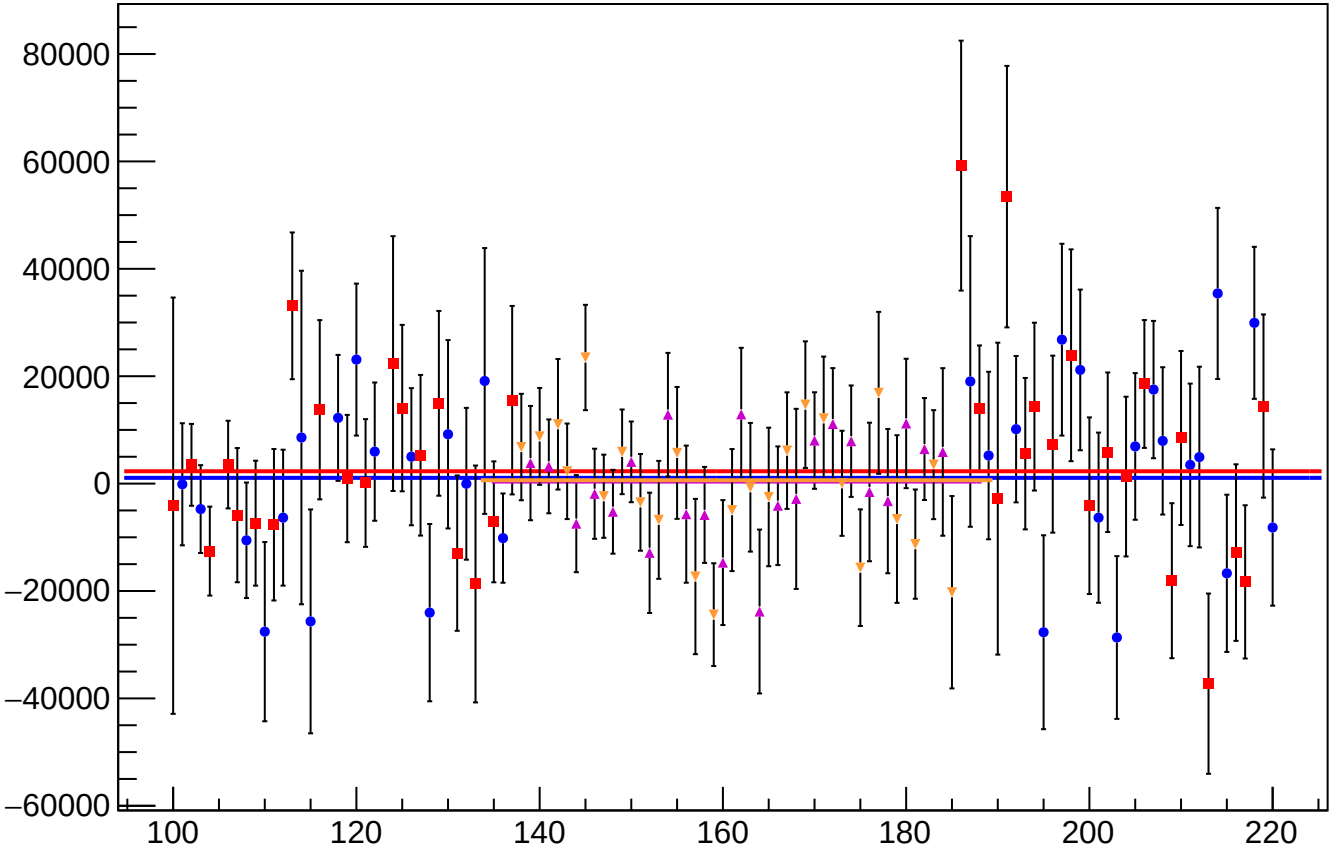
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2639.403+/-0.295 χ^2/NDF: 843319.3/57

All: 2634.797+/-0.210 χ^2/NDF: 1729906.6/11

- sign 2630.105+/-0.298 χ^2/NDF: 886095.7/59

asym_atr2_dit_correction_mean vs Slug



Right In: 1072.343+/-2426.570 χ^2/NDF: 39.4/32

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 2301.156+/-2279.343 χ^2/NDF: 42.2/36

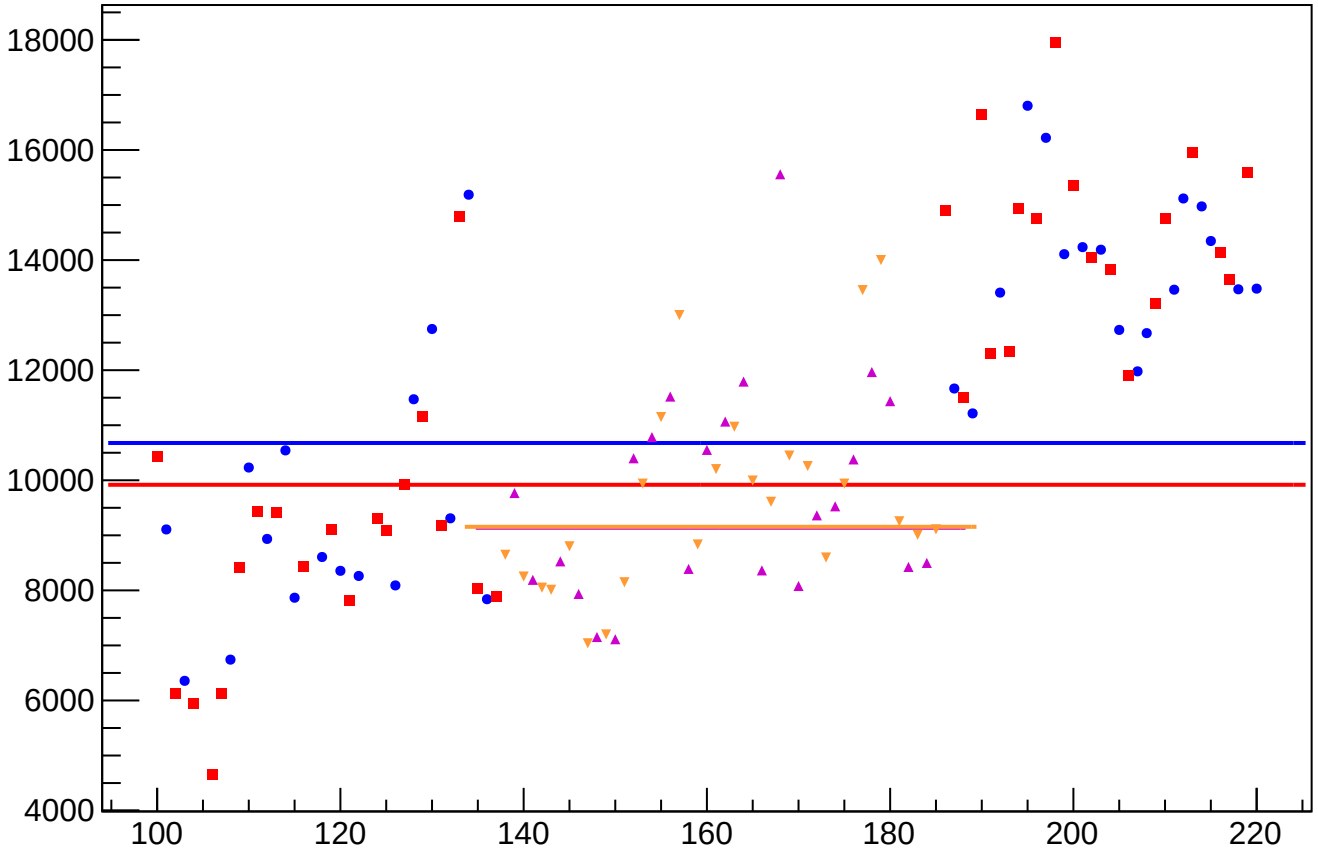
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign 822.568+/-1597.844 χ^2/NDF: 66.1/57

All: 1062.380+/-1121.344 χ^2/NDF: 123.0/117

- sign 1295.106+/-1574.062 χ^2/NDF: 56.8/59

asym_atr2_dit_correction_rms vs Slug



Right In: 10677.629+/-1.716 χ^2/NDF: 3119293.2/32

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

Right Out: 9918.263+/-1.612 χ^2/NDF: 4921795.4/36

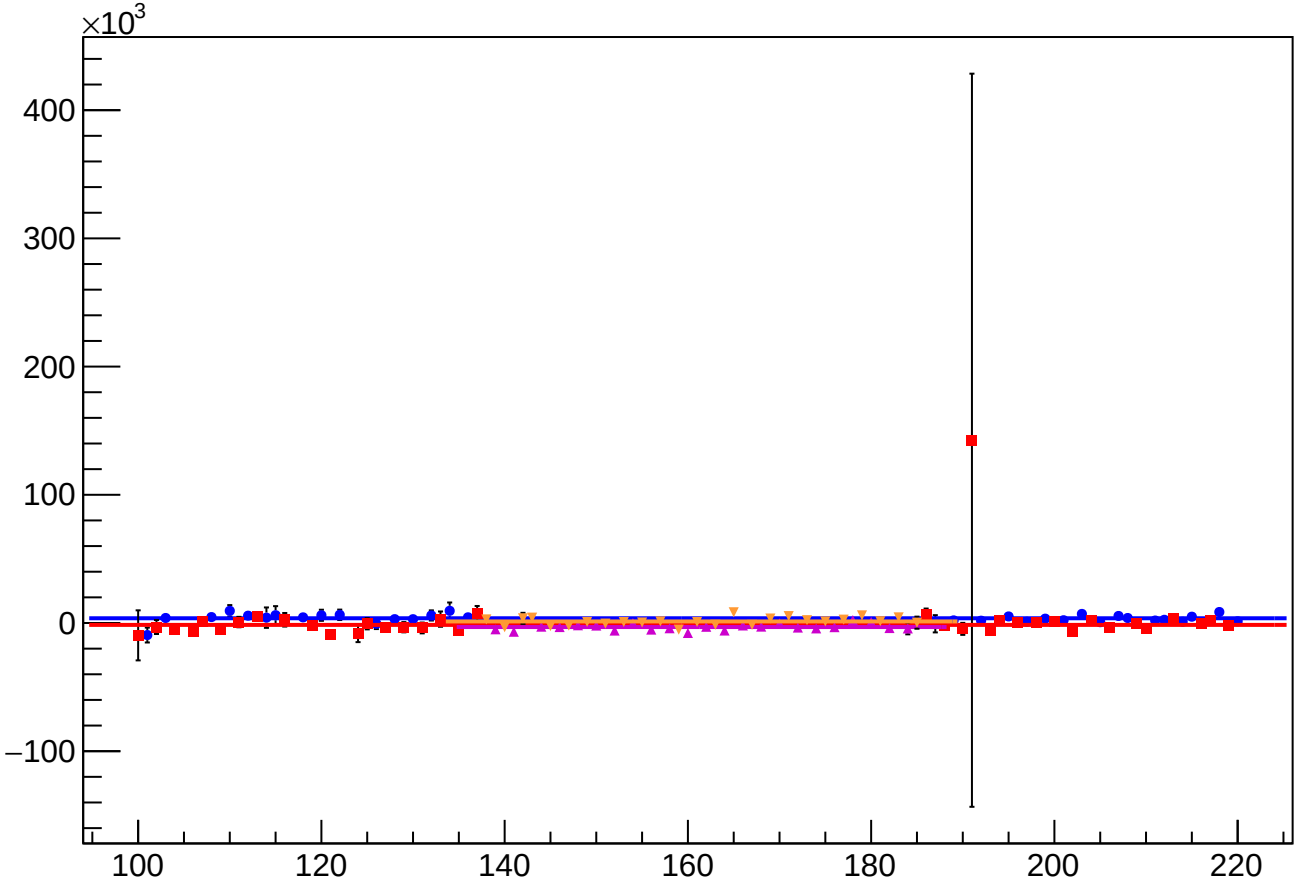
Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

+ sign 9815.026+/-1.130 χ^2/NDF: 4637576.0/57

All: 9660.167+/-0.793 χ^2/NDF: 10891911.1/1

- sign 9509.883+/-1.113 χ^2/NDF: 6217318.0/59

eigen_dit_asym_atr2_mean vs Slug



Right In: 3691.655+/-601.303 χ^2/NDF: 20.0/32

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1478.844+/-599.605 χ^2/NDF: 37.3/36

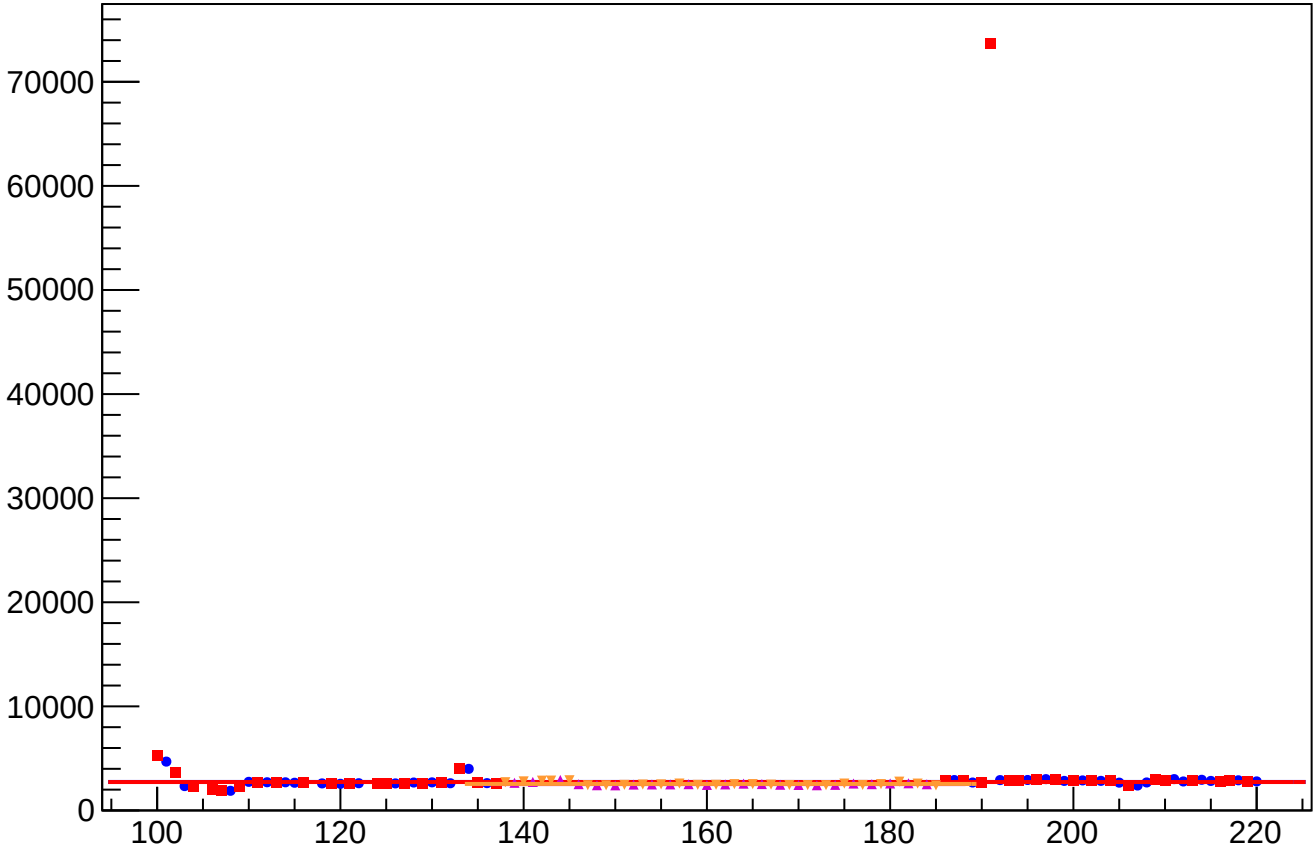
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2407.438+/-417.336 χ^2/NDF: 55.6/57

All: 63.632+/-296.497 χ^2/NDF: 176.9/117

- sign -2325.057+/-421.312 χ^2/NDF: 57.7/59

eigen_dit_asym_atr2_rms vs Slug



Right In: 2738.657+/-0.425 χ^2/NDF: 620881.6/32

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2729.871+/-0.424 χ^2/NDF: 708218.6/36

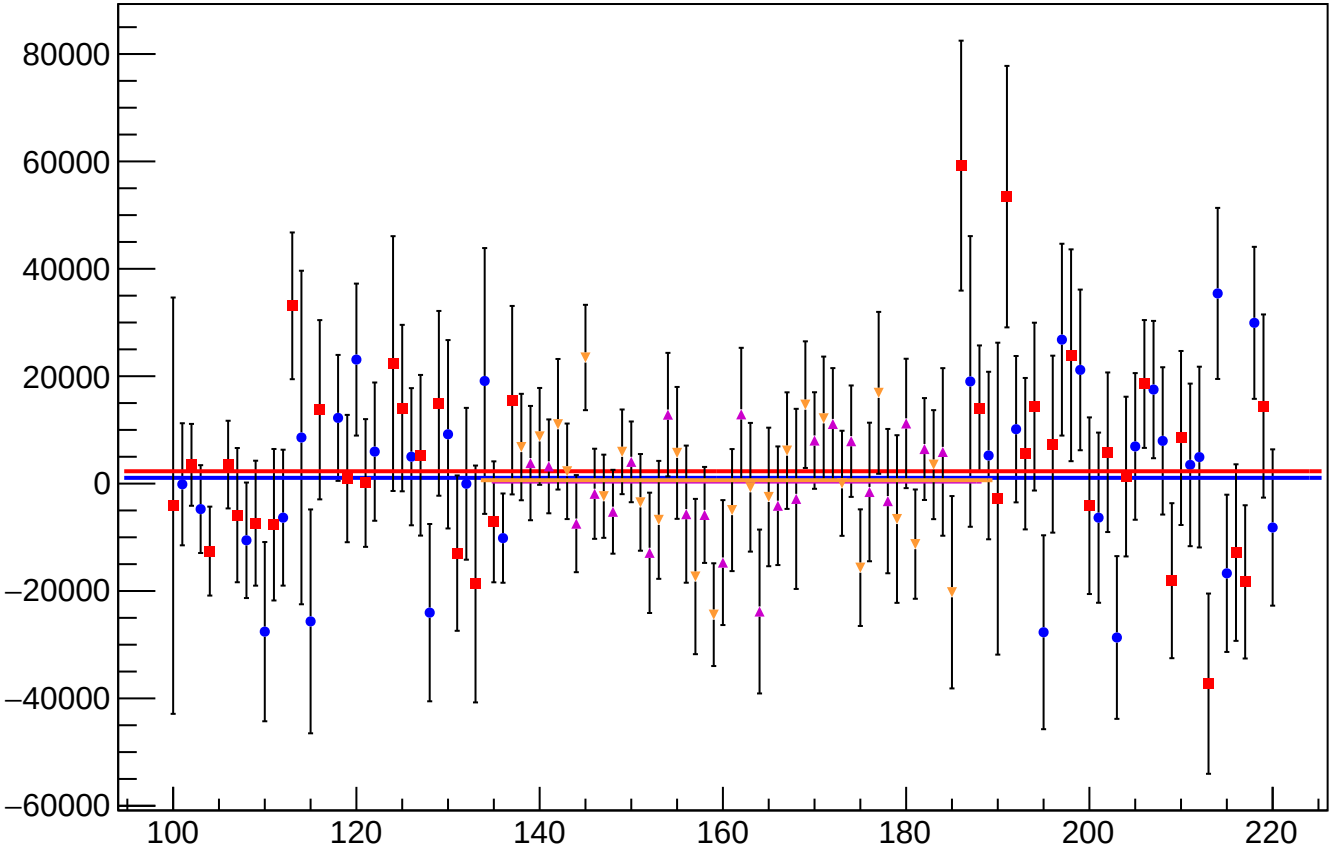
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2639.403+/-0.295 χ^2/NDF: 843317.8/57

All: 2634.798+/-0.210 χ^2/NDF: 1729902.8/11

- sign 2630.106+/-0.298 χ^2/NDF: 886093.3/59

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: 1072.355+/-2426.569 χ^2/NDF: 39.4/32

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 2301.148+/-2279.342 χ^2/NDF: 42.2/36

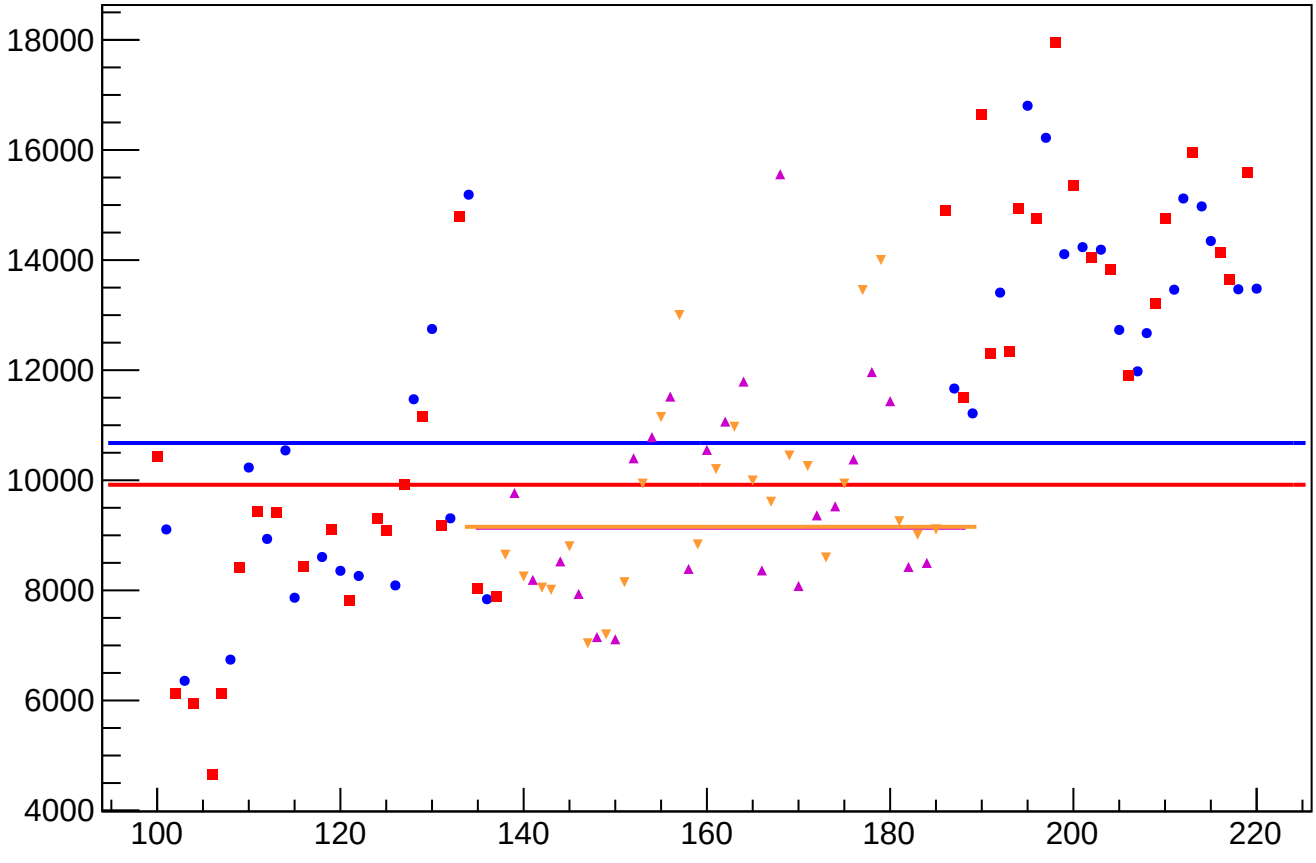
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

\+ sign 822.571+/-1597.846 χ^2/NDF: 66.1/57

All: 1062.381+/-1121.344 χ^2/NDF: 123.0/117

\- sign 1295.107+/-1574.063 χ^2/NDF: 56.8/59

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 10677.623+/-1.716 χ^2/NDF: 3119309.6/32

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9918.254+/-1.612 χ^2/NDF: 4921821.4/36

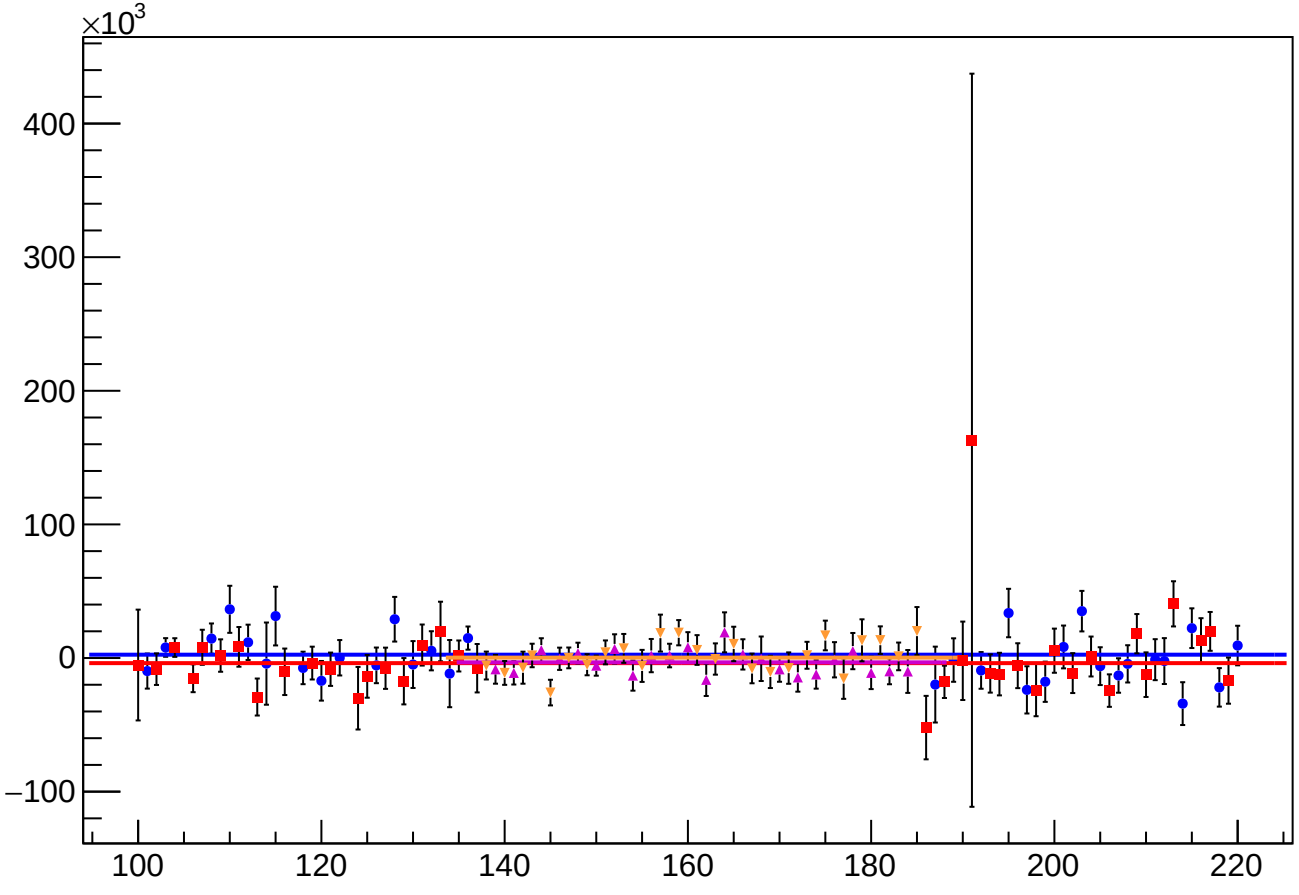
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9815.034+/-1.130 χ^2/NDF: 4637582.1/57

All: 9660.172+/-0.793 χ^2/NDF: 10891940.4/1

- sign 9509.887+/-1.113 χ^2/NDF: 6217340.3/59

asym_atr2_mean vs Slug



Right In: 2496.601+/-2453.706 χ^2/NDF: 41.9/32

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -3821.586+/-2399.169 χ^2/NDF: 38.6/36

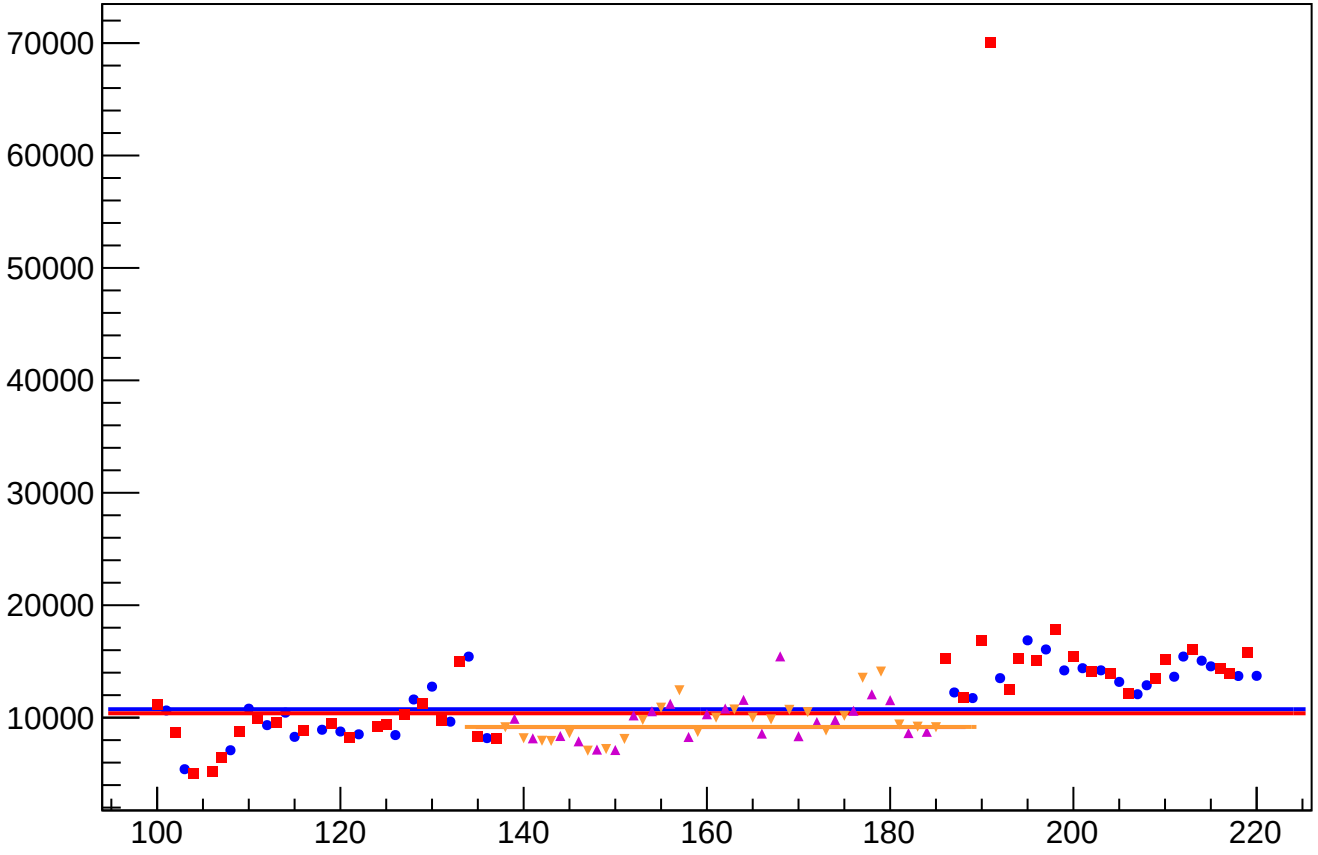
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1238.774+/-1606.505 χ^2/NDF: 68.7/57

All: -1120.289+/-1138.387 χ^2/NDF: 125.3/11

- sign -3499.531+/-1613.362 χ^2/NDF: 52.2/59

asym_atr2_rms vs Slug



Right In: 10748.606+/-1.735 χ^2/NDF: 3518042.8/32

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 10387.268+/-1.696 χ^2/NDF: 4615249.8/36

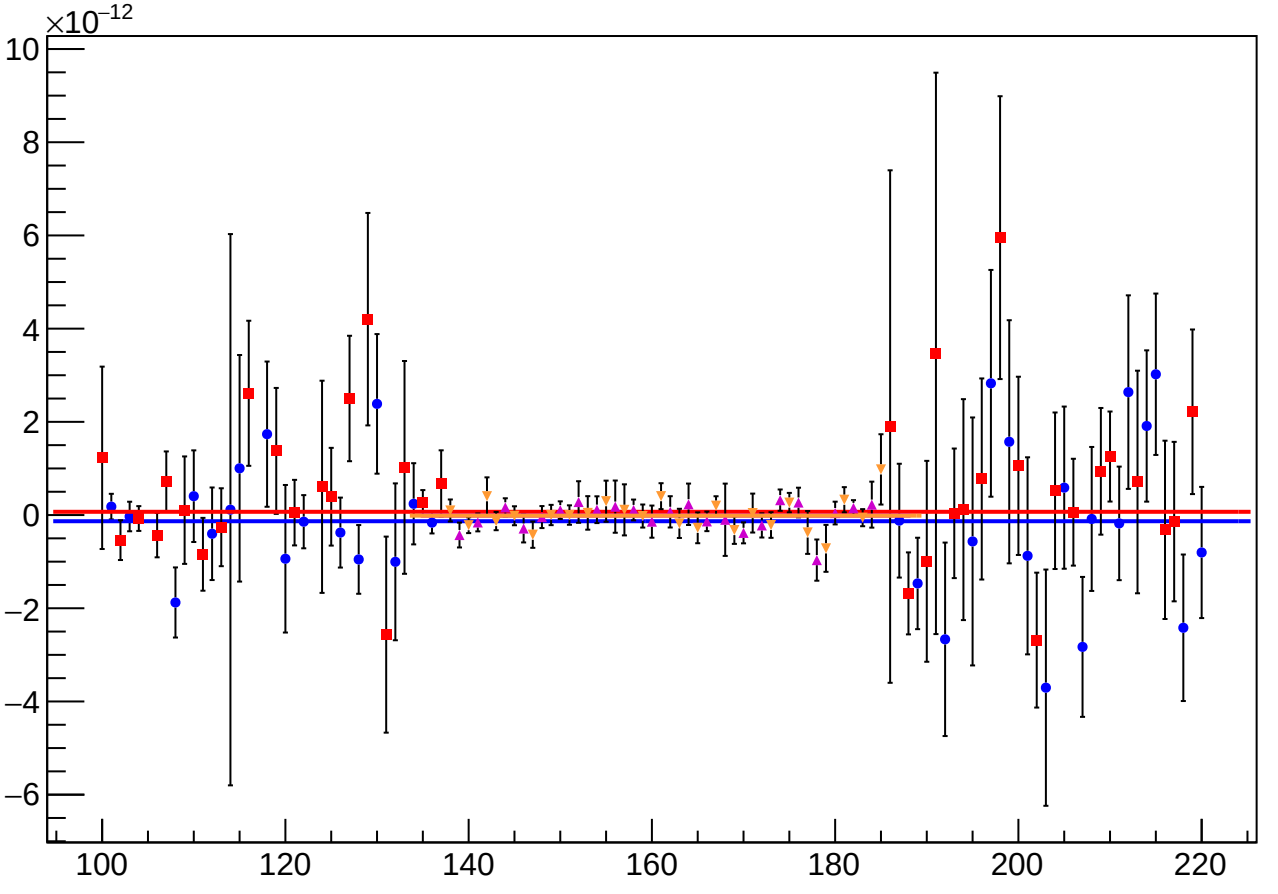
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9848.310+/-1.136 χ^2/NDF: 5046255.3/57

All: 9782.557+/-0.805 χ^2/NDF: 11081392.7/1

- sign 9716.243+/-1.141 χ^2/NDF: 6028408.1/59

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.5/32

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

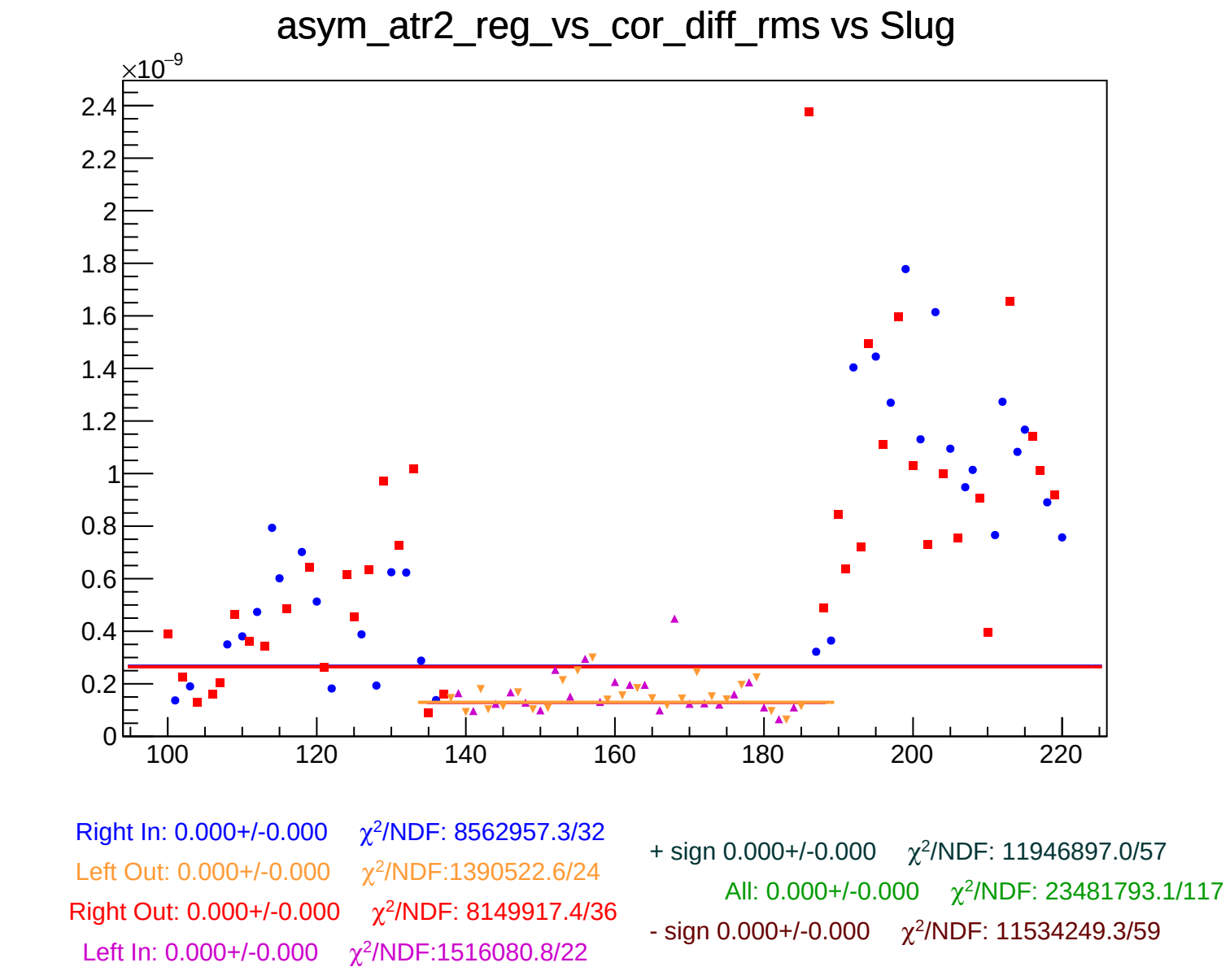
Right Out: 0.000+/-0.000 χ^2/NDF: 35.6/36

Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

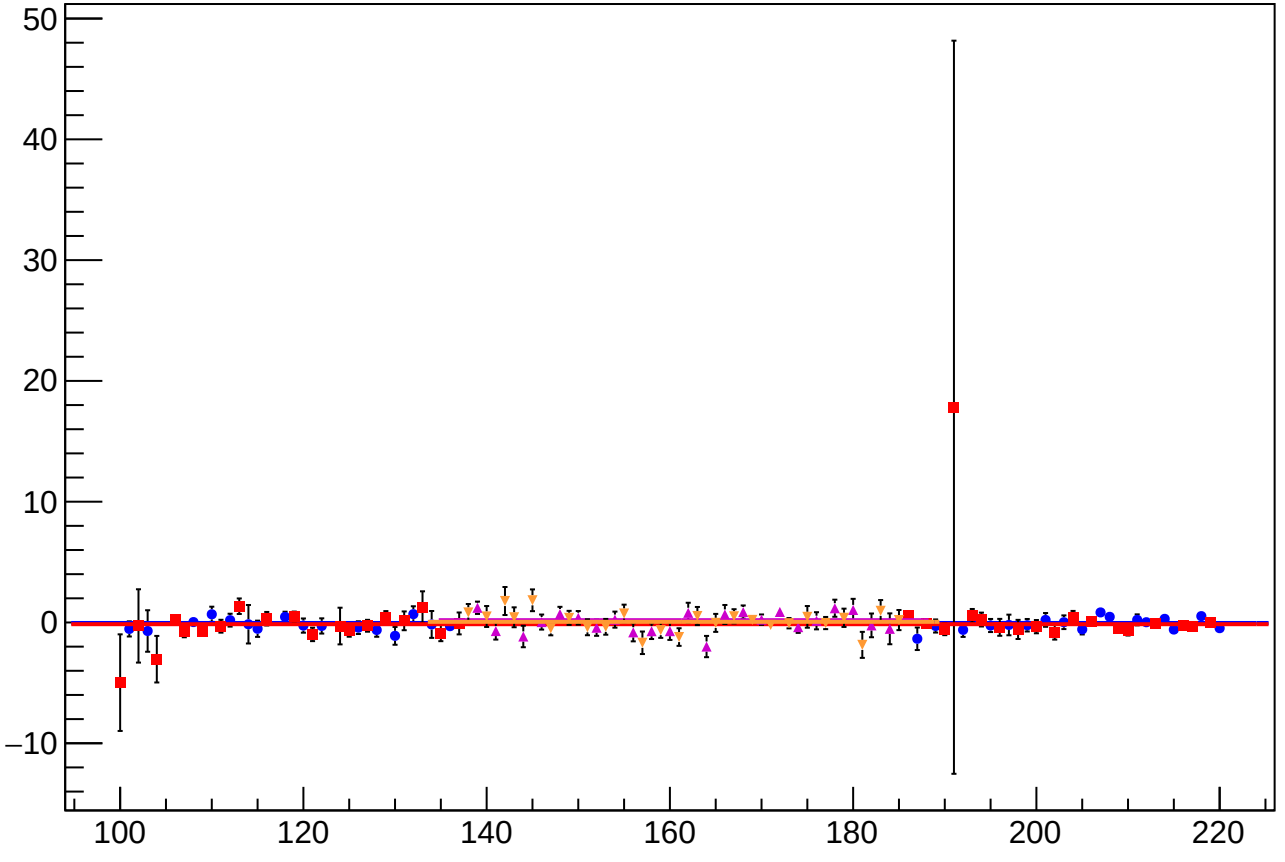
+ sign -0.000+/-0.000 χ^2/NDF: 53.7/57

All: -0.000+/-0.000 χ^2/NDF: 108.9/117

- sign 0.000+/-0.000 χ^2/NDF: 55.1/59


asym_atr2_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
2.4
2.2
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
220
Right In: 0.000+/-0.000 χ²/NDF: 8562957.3/32
Left Out: 0.000+/-0.000 χ²/NDF:1390522.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 8149917.4/36
Left In: 0.000+/-0.000 χ²/NDF:1516080.8/22
+ sign 0.000+/-0.000 χ²/NDF: 11946897.0/57
All: 0.000+/-0.000 χ²/NDF: 23481793.1/117
- sign 0.000+/-0.000 χ²/NDF: 11534249.3/59

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.084 χ^2/NDF: 33.3/32

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.142+/-0.078 χ^2/NDF: 37.4/36

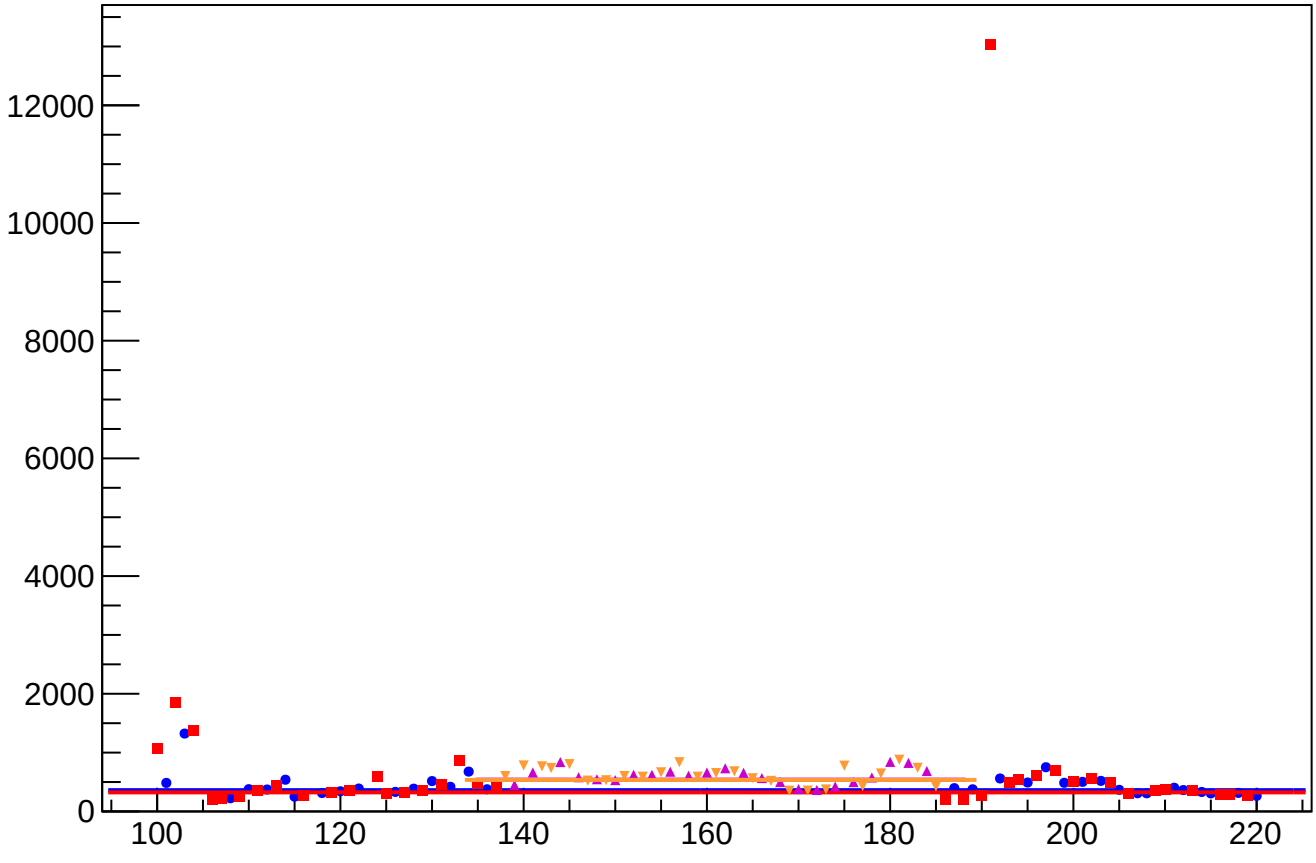
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.013+/-0.070 χ^2/NDF: 58.4/57

All: -0.036+/-0.049 χ^2/NDF: 131.9/117

- sign -0.058+/-0.067 χ^2/NDF: 73.3/59

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 361.914+/-0.059 χ^2/NDF: 2991611.3/32

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 324.220+/-0.055 χ^2/NDF: 5677155.9/36

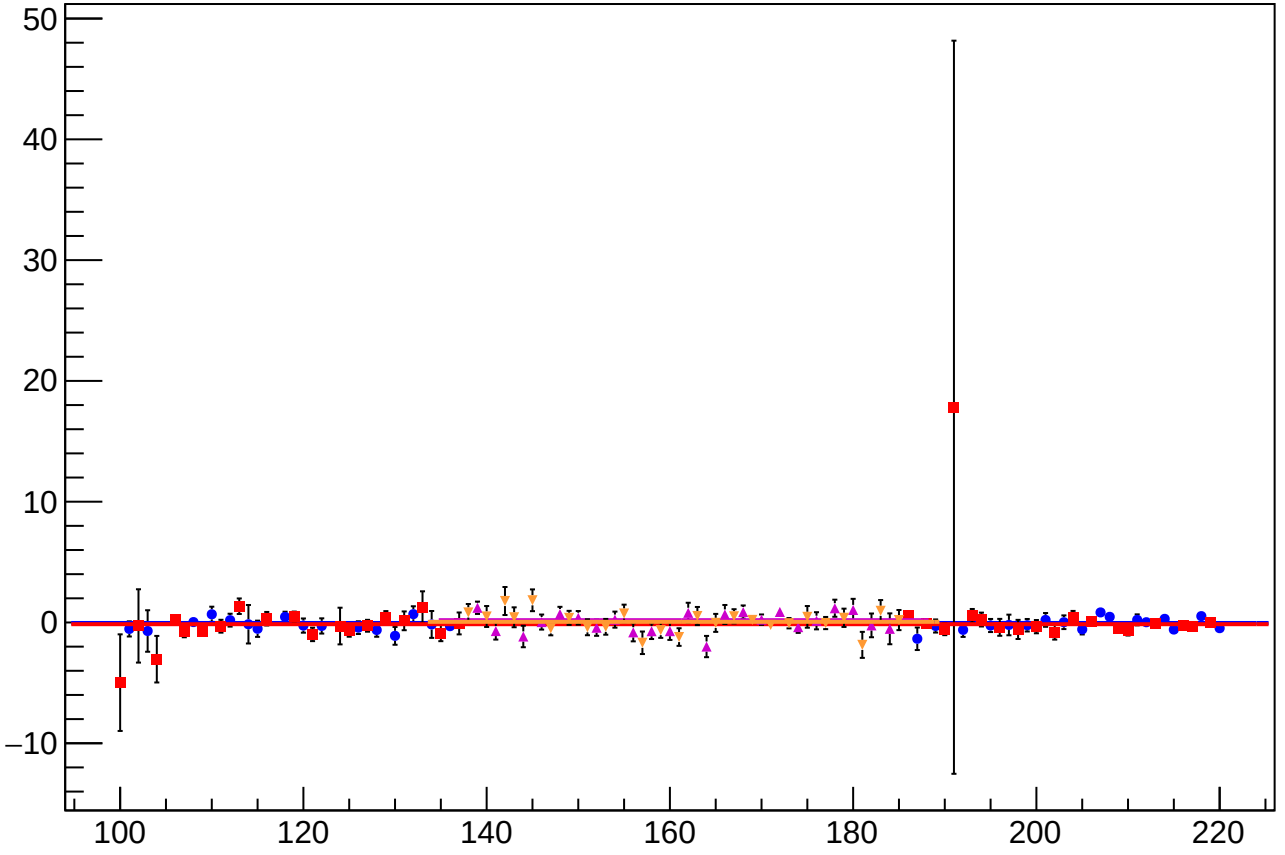
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 413.247+/-0.050 χ^2/NDF: 8287841.5/57

All: 395.468+/-0.034 χ^2/NDF: 20061730.8/11

- sign 379.275+/-0.047 χ^2/NDF: 11529701.4/59

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.040+/-0.084 χ^2/NDF: 33.3/32

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.142+/-0.078 χ^2/NDF: 37.4/36

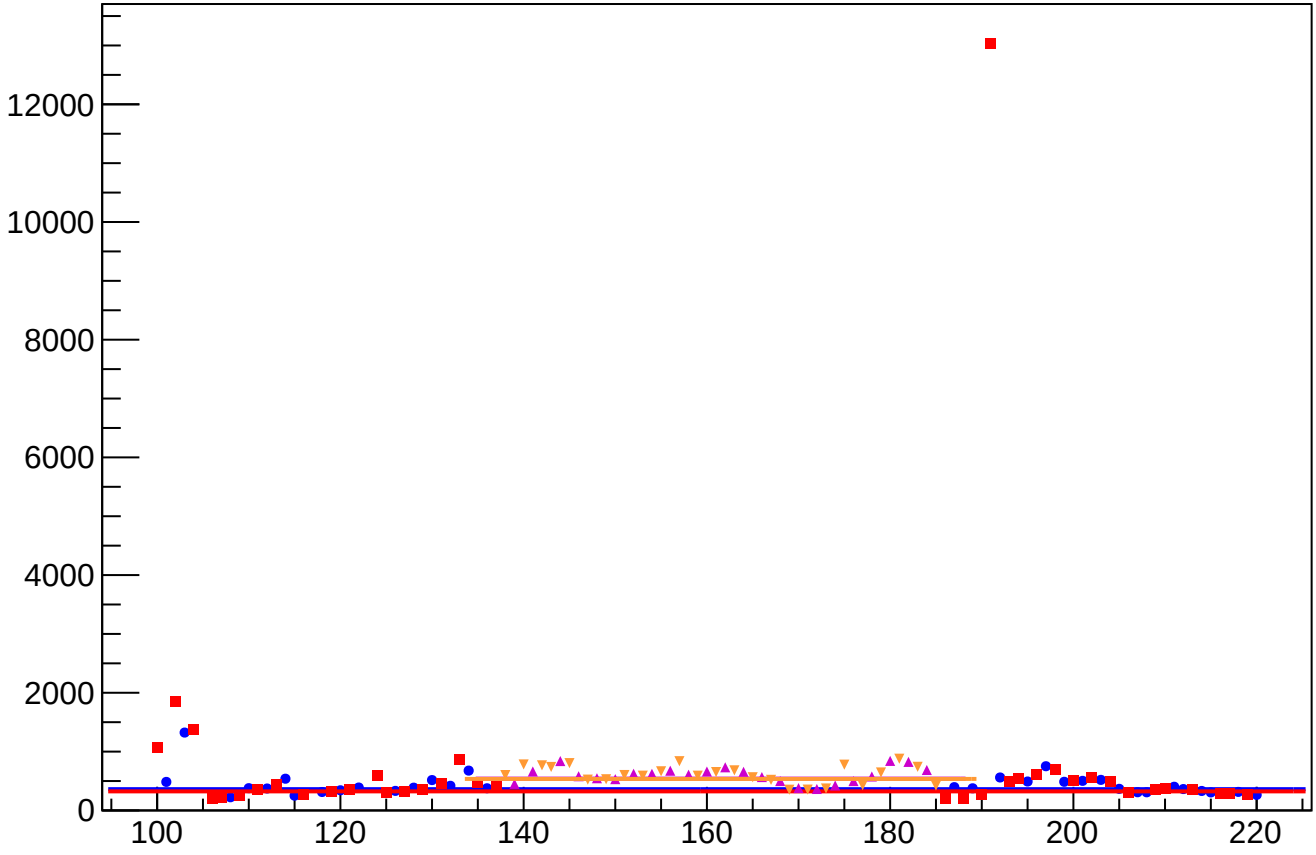
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.013+/-0.070 χ^2/NDF: 58.4/57

All: -0.036+/-0.049 χ^2/NDF: 131.9/117

- sign -0.058+/-0.067 χ^2/NDF: 73.3/59

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 361.914+/-0.059 χ^2/NDF: 2991611.3/32

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 324.220+/-0.055 χ^2/NDF: 5677155.9/36

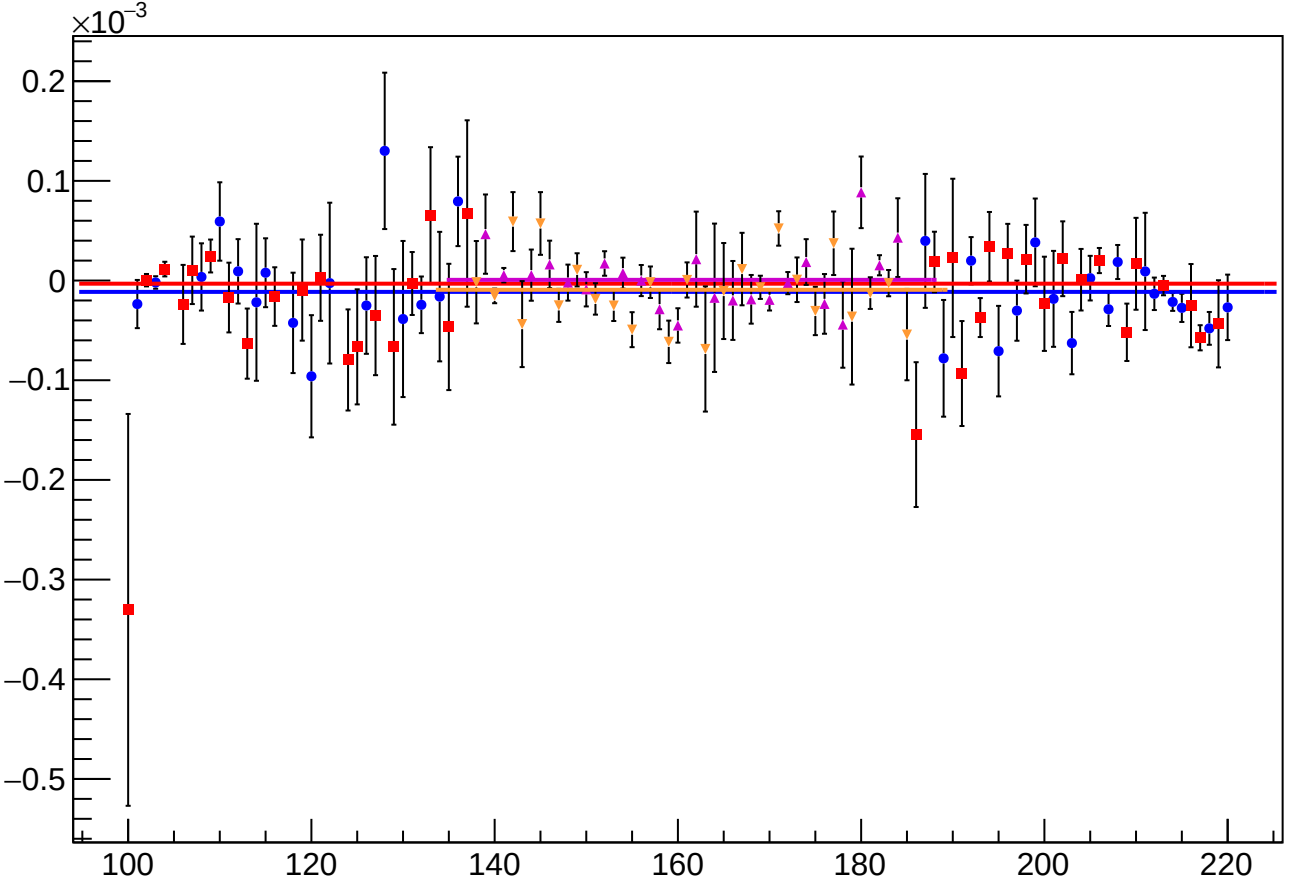
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 413.247+/-0.050 χ^2/NDF: 8287841.5/57

All: 395.468+/-0.034 χ^2/NDF: 20061730.8/11

- sign 379.275+/-0.047 χ^2/NDF: 11529701.4/59

asym_atr2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 38.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: -0.000+/-0.000 χ^2/NDF: 60.4/36

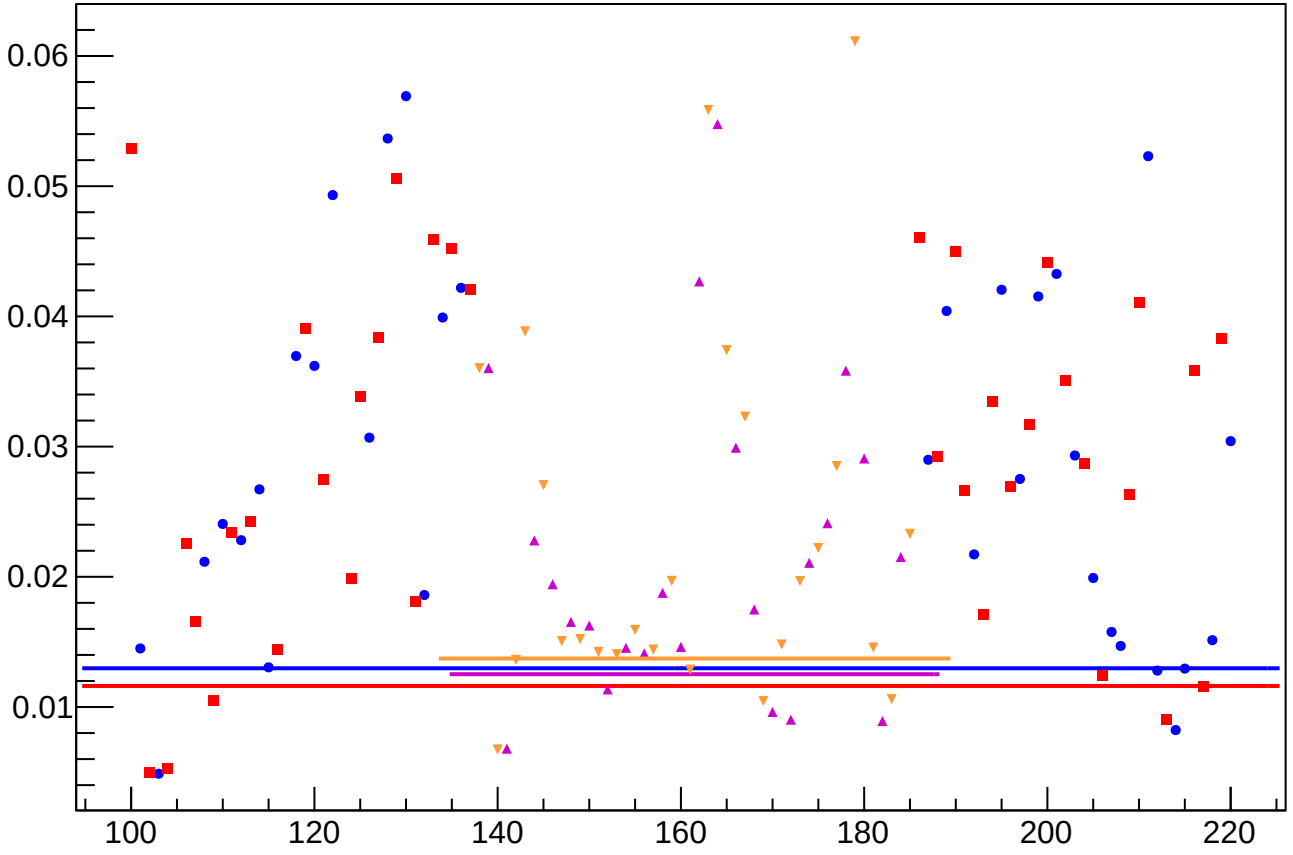
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 84.2/57

All: -0.000+/-0.000 χ^2/NDF: 181.8/117

- sign -0.000+/-0.000 χ^2/NDF: 91.0/59

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 14333594.6/32

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 17042047.4/36

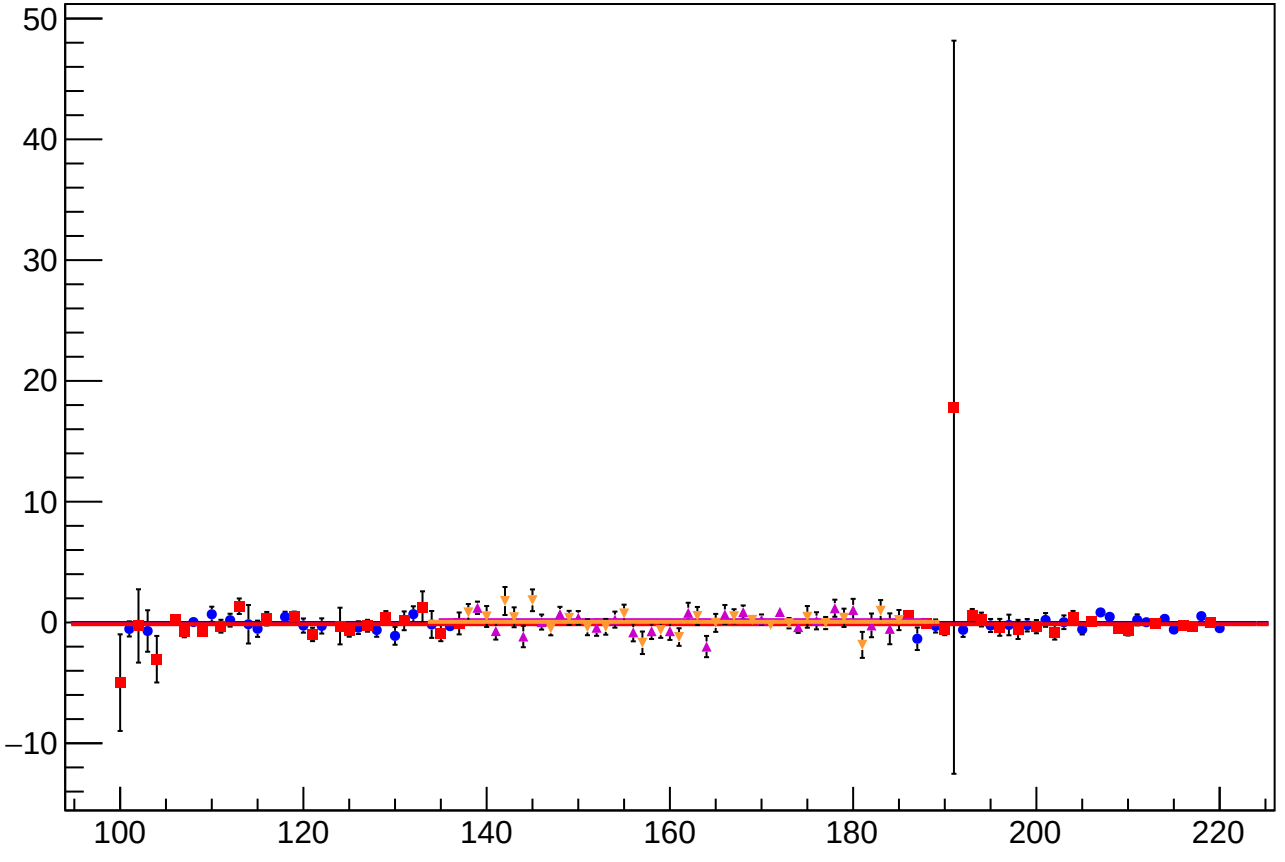
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.013+/-0.000 χ^2/NDF: 22093515.8/57

All: 0.013+/-0.000 χ^2/NDF: 46605913.4/117

- sign 0.012+/-0.000 χ^2/NDF: 24235013.6/59

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.040+/-0.084 χ^2/NDF: 33.3/32

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.142+/-0.078 χ^2/NDF: 37.4/36

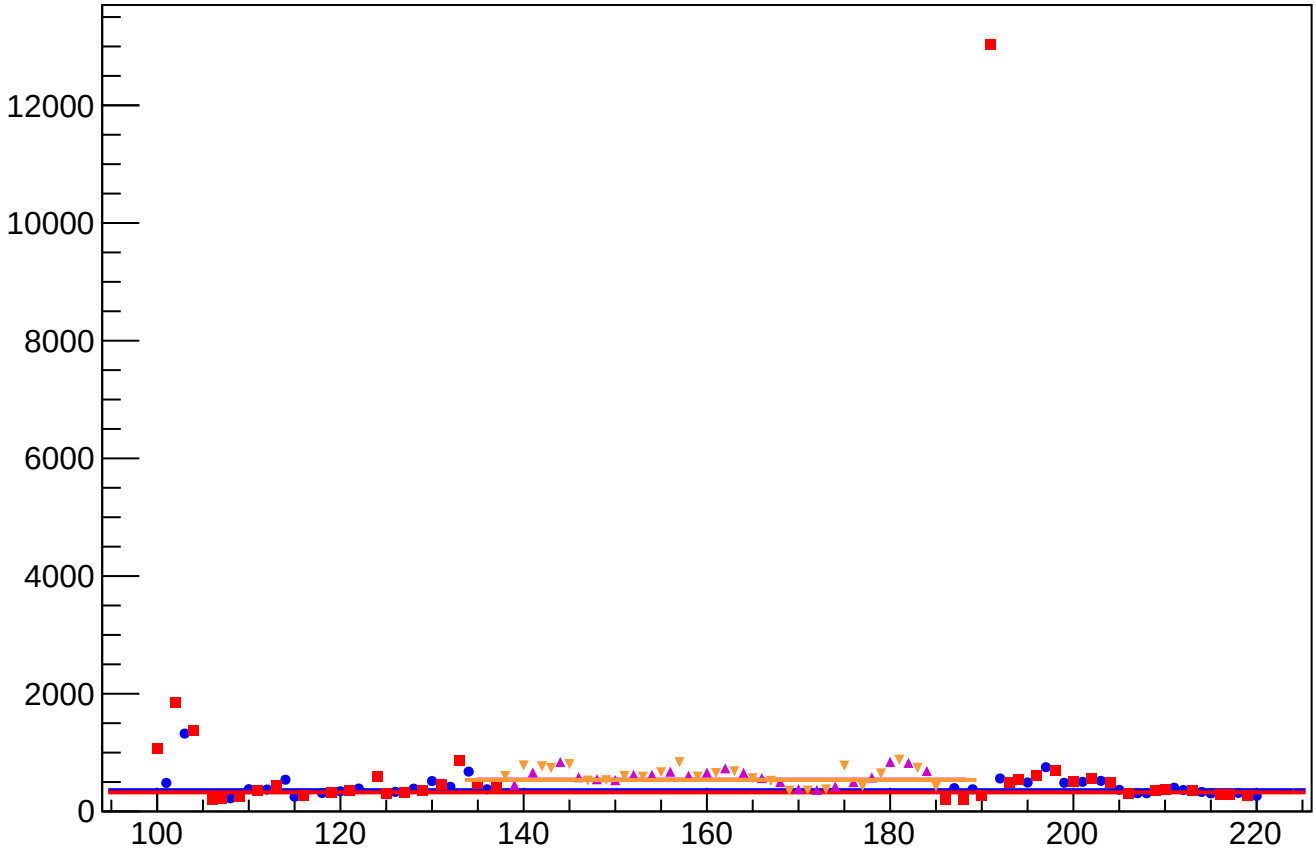
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.013+/-0.070 χ^2/NDF: 58.4/57

All: -0.036+/-0.049 χ^2/NDF: 131.9/117

- sign -0.058+/-0.067 χ^2/NDF: 73.3/59

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 361.911+/-0.059 χ^2/NDF: 2991648.5/32

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

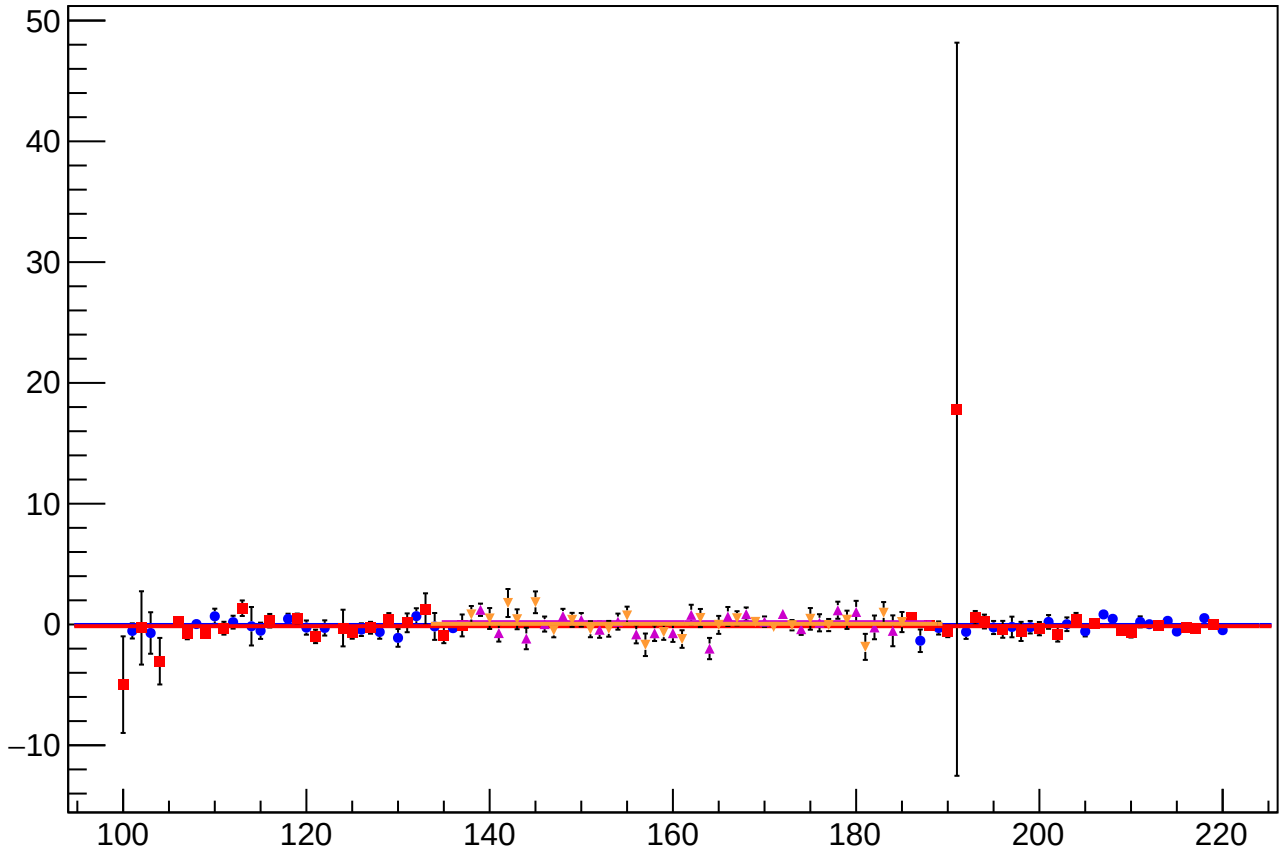
Right Out: 324.220+/-0.055 χ^2/NDF: 5677088.4/36

Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 413.245+/-0.050 χ^2/NDF: 8288132.0/57

All: 395.468+/-0.034 χ^2/NDF: 20062082.1/11

- sign 379.276+/-0.047 χ^2/NDF: 11529789.8/59



Right In: -0.040+/-0.084 χ^2/NDF: 33.3/32

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.142+/-0.078 χ^2/NDF: 37.4/36

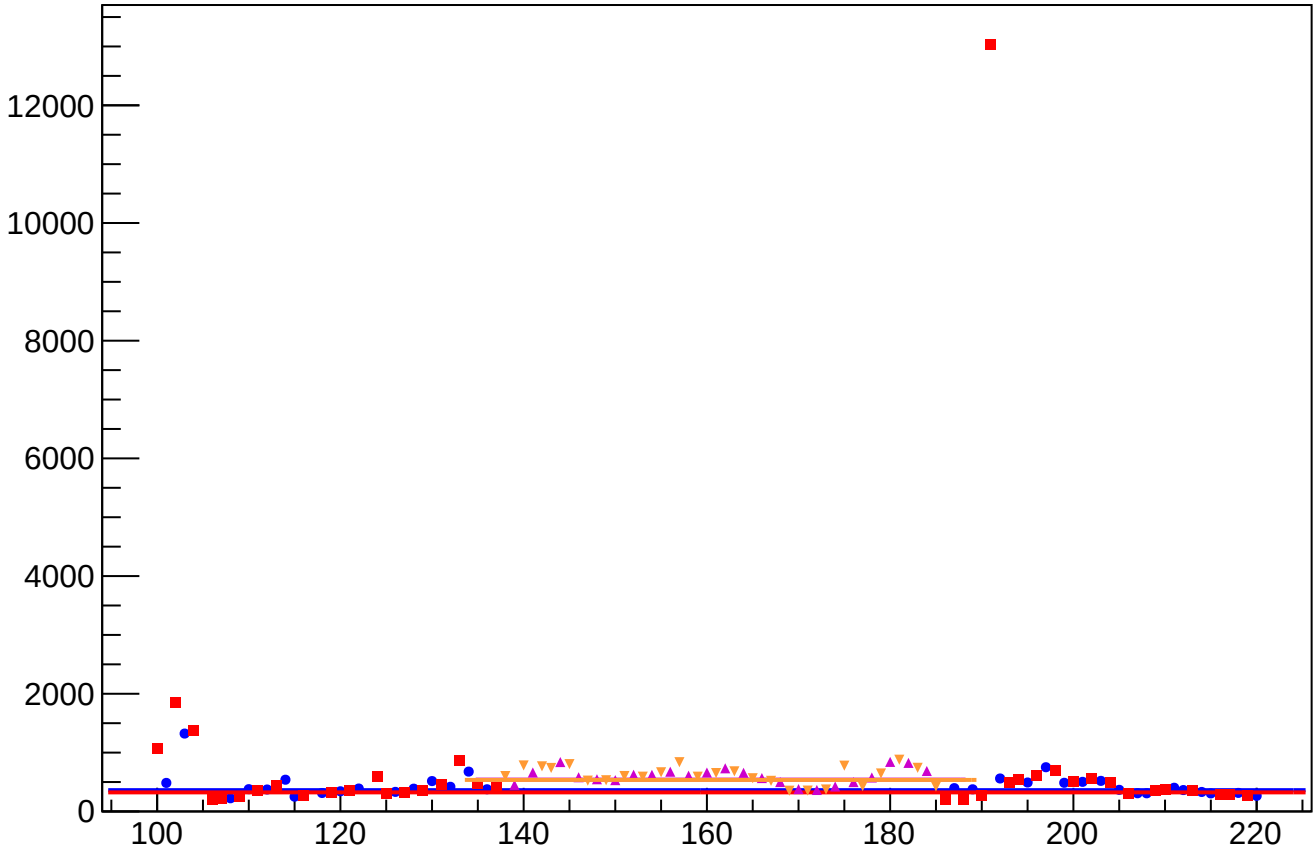
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.013+/-0.070 χ^2/NDF: 58.4/57

All: -0.036+/-0.049 χ^2/NDF: 131.9/117

- sign -0.058+/-0.067 χ^2/NDF: 73.3/59

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 361.911+/-0.059 χ^2/NDF: 2991648.5/32

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 324.220+/-0.055 χ^2/NDF: 5677088.4/36

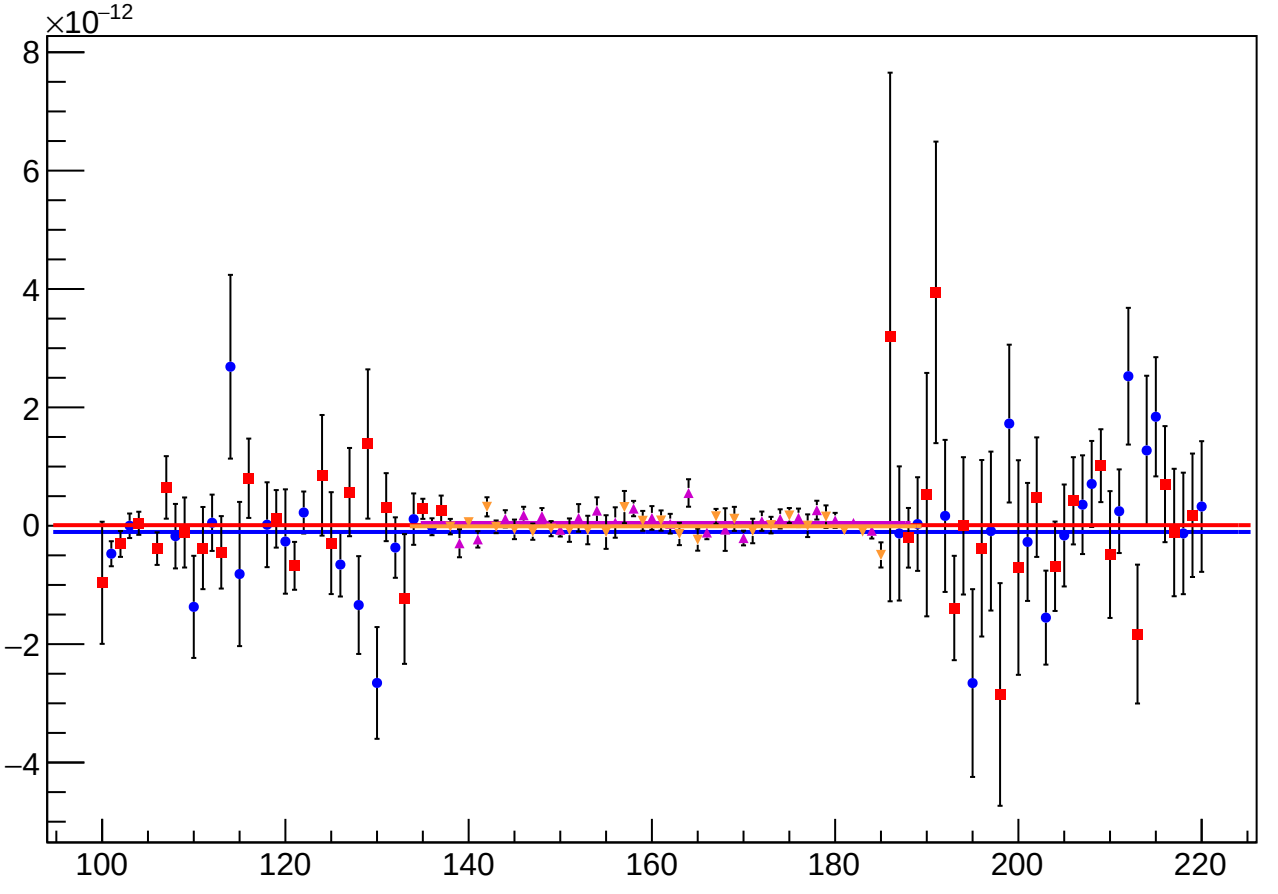
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 413.245+/-0.050 χ^2/NDF: 8288132.0/57

All: 395.468+/-0.034 χ^2/NDF: 20062082.1/11

- sign 379.276+/-0.047 χ^2/NDF: 11529789.8/59

asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 41.5/32

Left Out: -0.000+/-0.000 χ^2/NDF:22.1/24

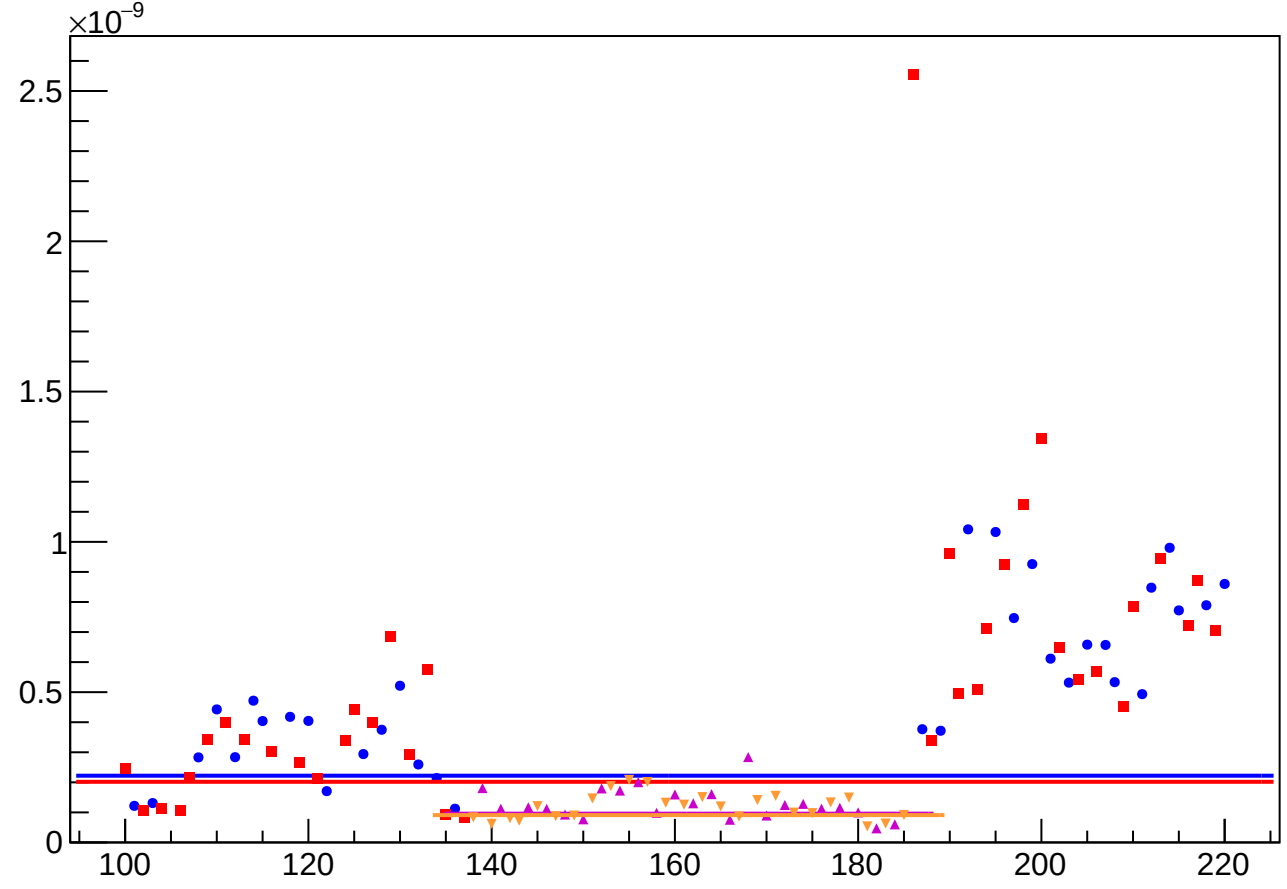
Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/36

Left In: 0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.8/57

All: 0.000+/-0.000 χ^2/NDF: 130.7/117

- sign 0.000+/-0.000 χ^2/NDF: 63.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 10719410.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11842987.3/36

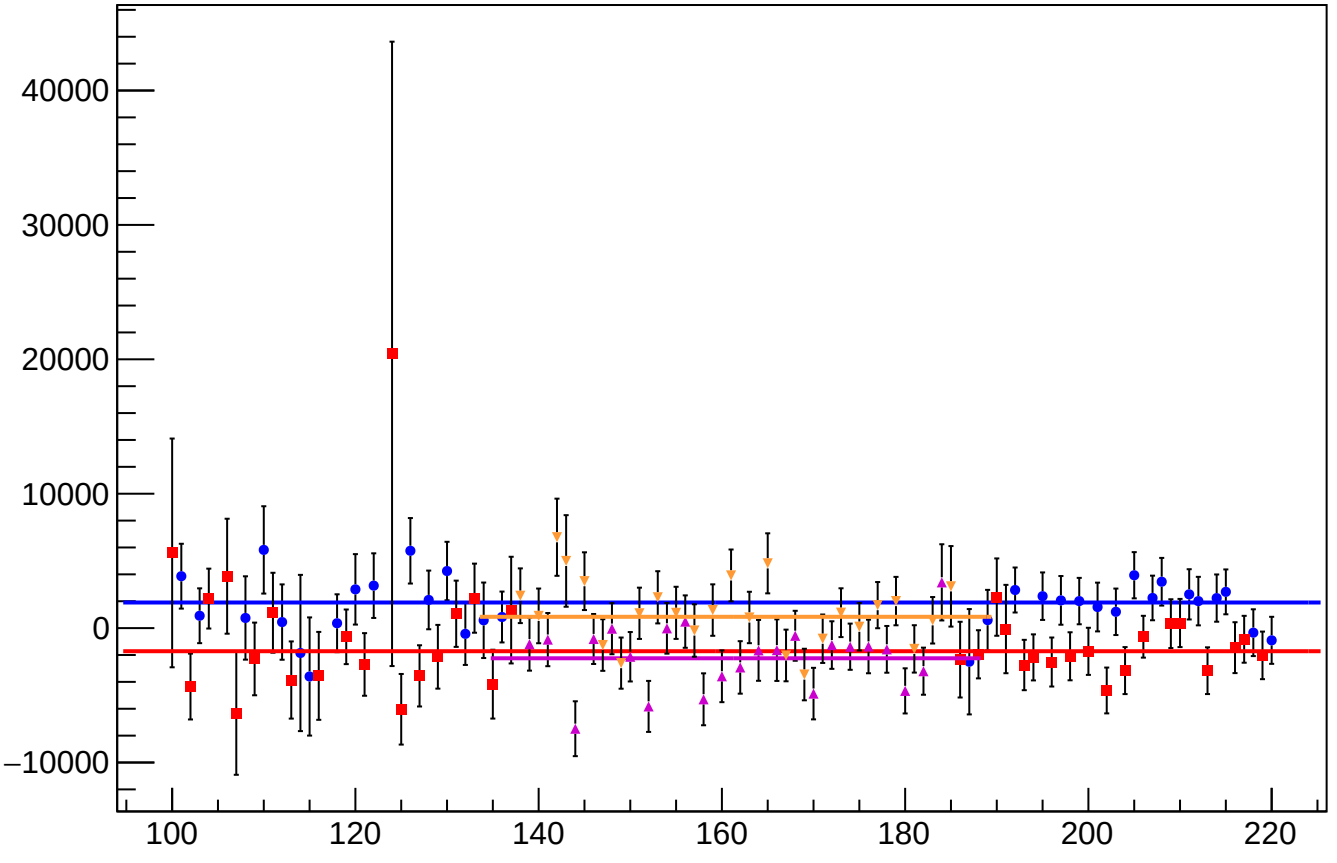
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 18694506.8/57

All: 0.000+/-0.000 χ^2/NDF: 37677824.4/117

- sign 0.000+/-0.000 χ^2/NDF: 18957665.8/59

reg_asym_atl_avg_mean vs Slug



Right In: 1905.224+/-360.214 χ^2/NDF: 19.9/32

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1718.741+/-362.803 χ^2/NDF: 30.1/36

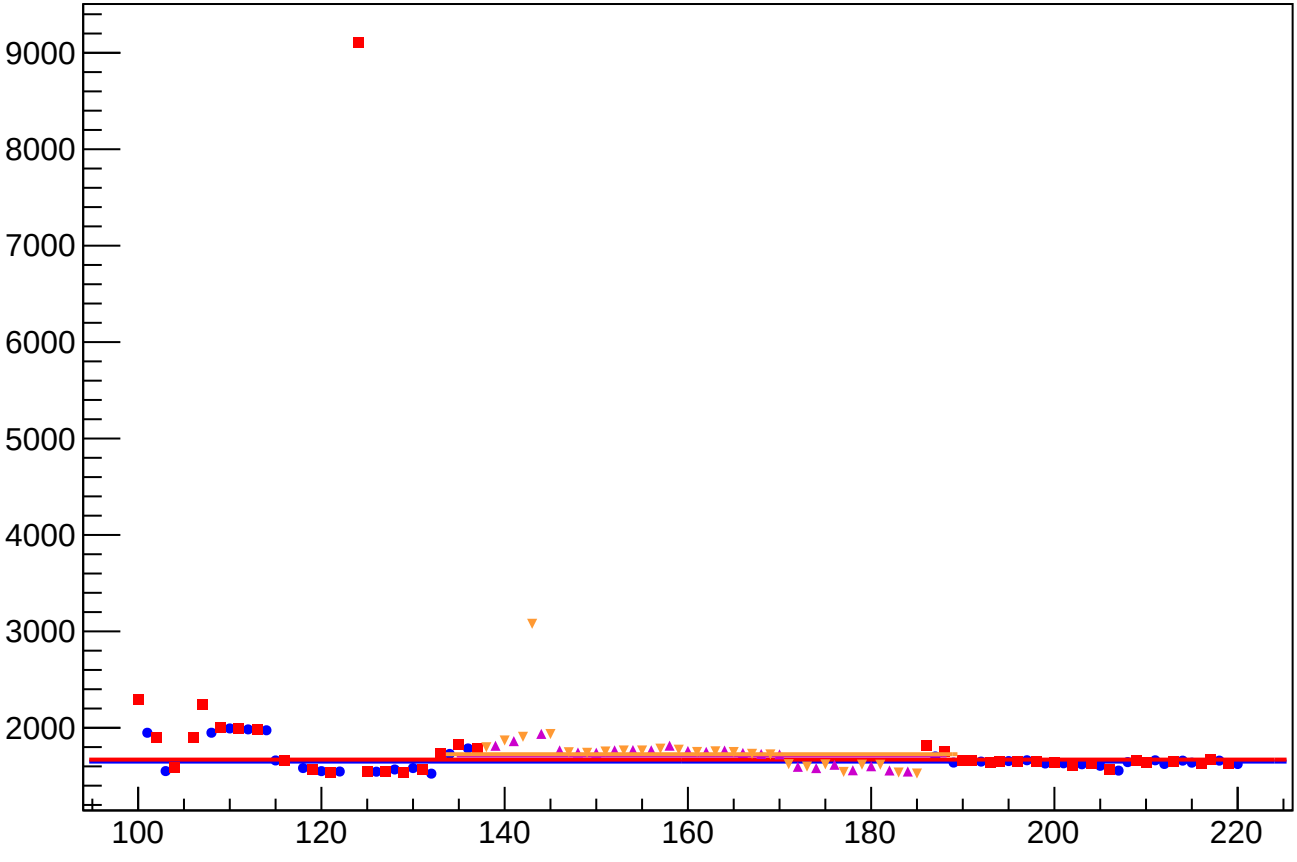
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1421.545+/-265.990 χ^2/NDF: 54.2/57

All: -248.380+/-189.124 χ^2/NDF: 194.4/117

- sign -1955.797+/-268.959 χ^2/NDF: 60.4/59

reg_asym_atl_avg_rms vs Slug



Right In: 1649.571+/-0.255 χ^2/NDF: 156007.6/32

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1670.336+/-0.256 χ^2/NDF: 421486.7/36

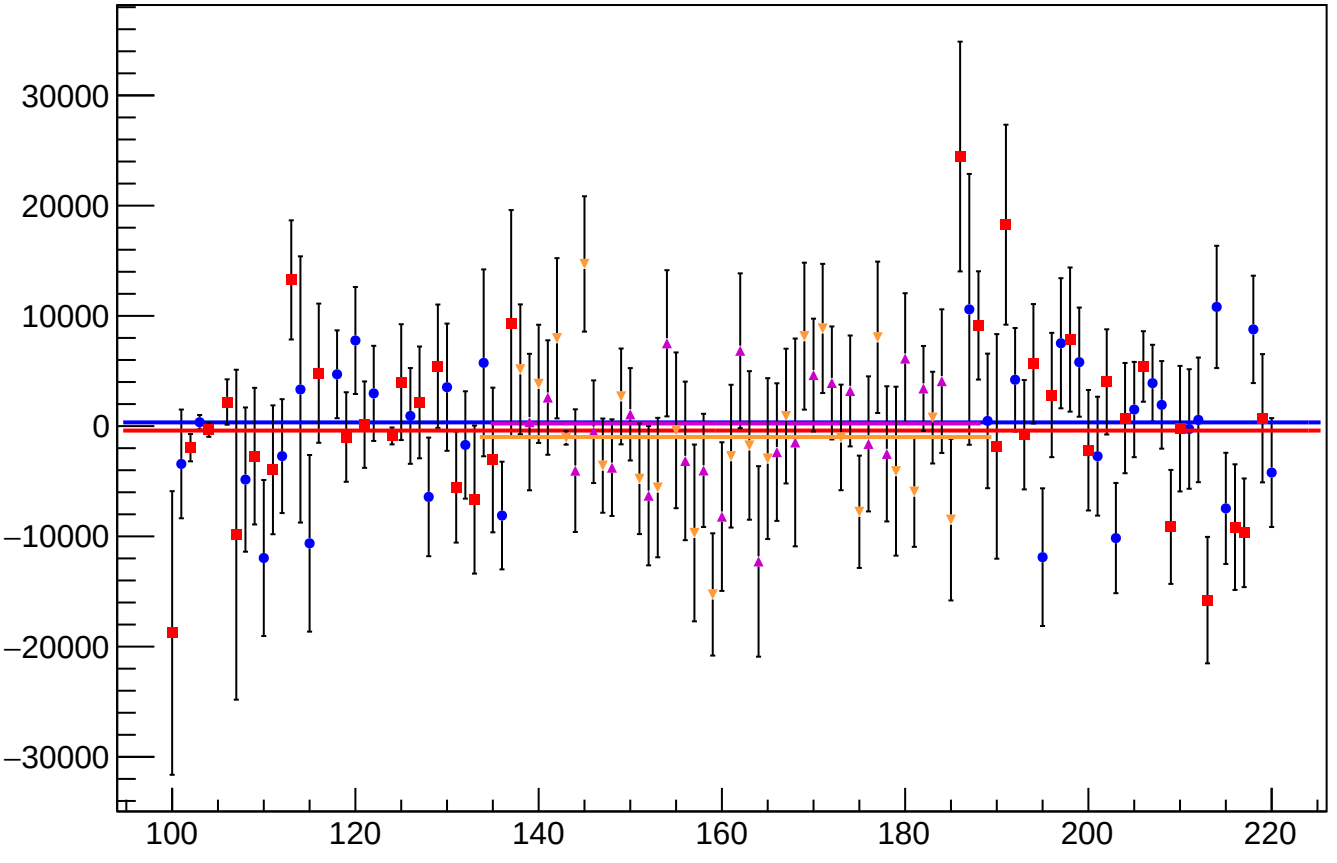
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1684.352+/-0.188 χ^2/NDF: 651943.9/57

All: 1686.945+/-0.134 χ^2/NDF: 1215670.7/11

- sign 1689.591+/-0.190 χ^2/NDF: 563342.9/59

asym_atl_avg_reg_correction_mean vs Slug



Right In: 337.790+/-532.613 χ^2/NDF: 39.6/32

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -401.541+/-402.933 χ^2/NDF: 55.8/36

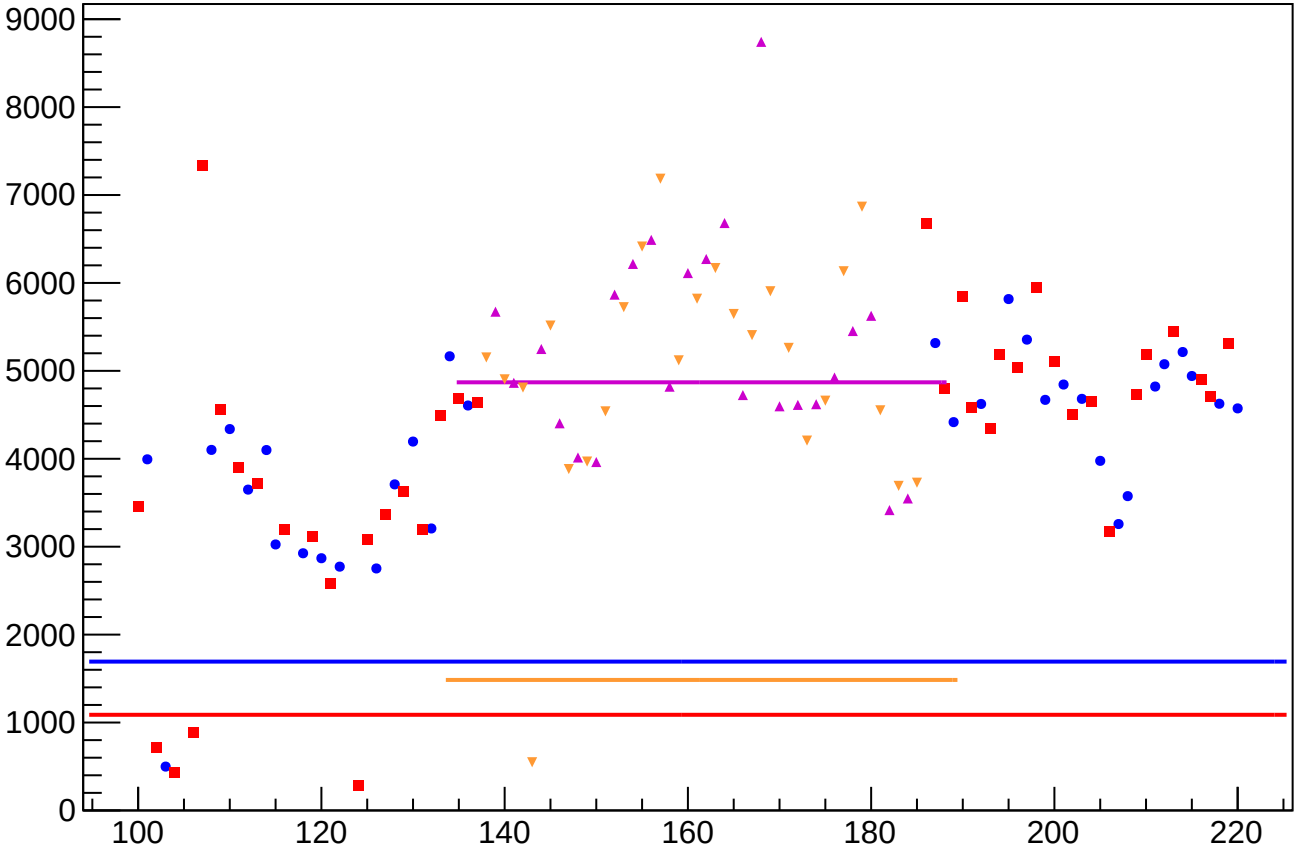
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -314.256+/-379.631 χ^2/NDF: 73.5/57

All: -323.623+/-268.852 χ^2/NDF: 143.1/117

- sign -333.047+/-380.801 χ^2/NDF: 69.6/59

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1693.028+/-0.377 χ^2/NDF: 21473288.3/32

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 1088.039+/-0.285 χ^2/NDF: 27139005.3/36

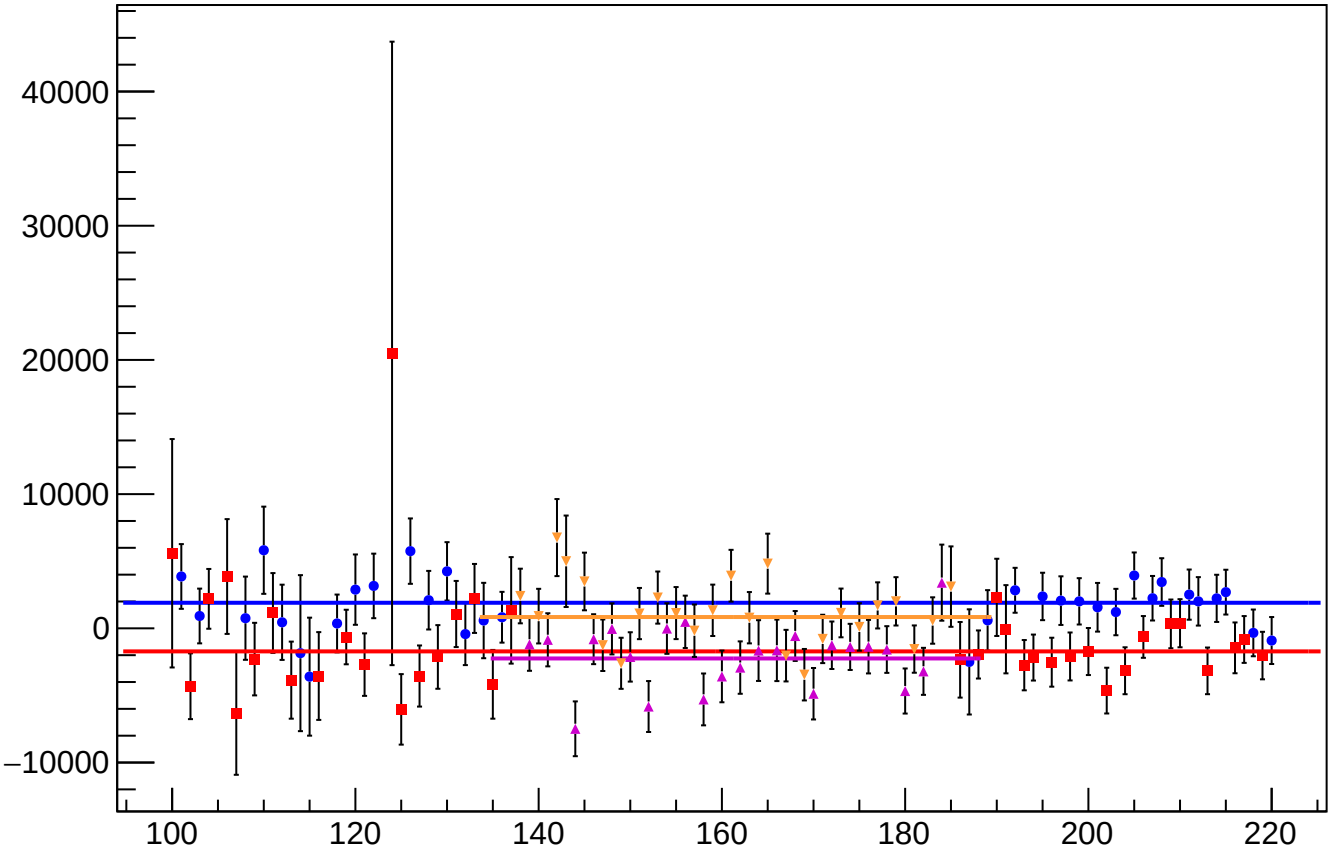
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1590.472+/-0.268 χ^2/NDF: 44848964.8/57

All: 1541.413+/-0.190 χ^2/NDF: 92350185.4/1

- sign 1492.051+/-0.269 χ^2/NDF: 47434214.9/59

cor_asym_atl_avg_mean vs Slug



Right In: 1905.259+/-360.214 χ^2/NDF: 19.9/32

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1717.967+/-362.803 χ^2/NDF: 30.1/36

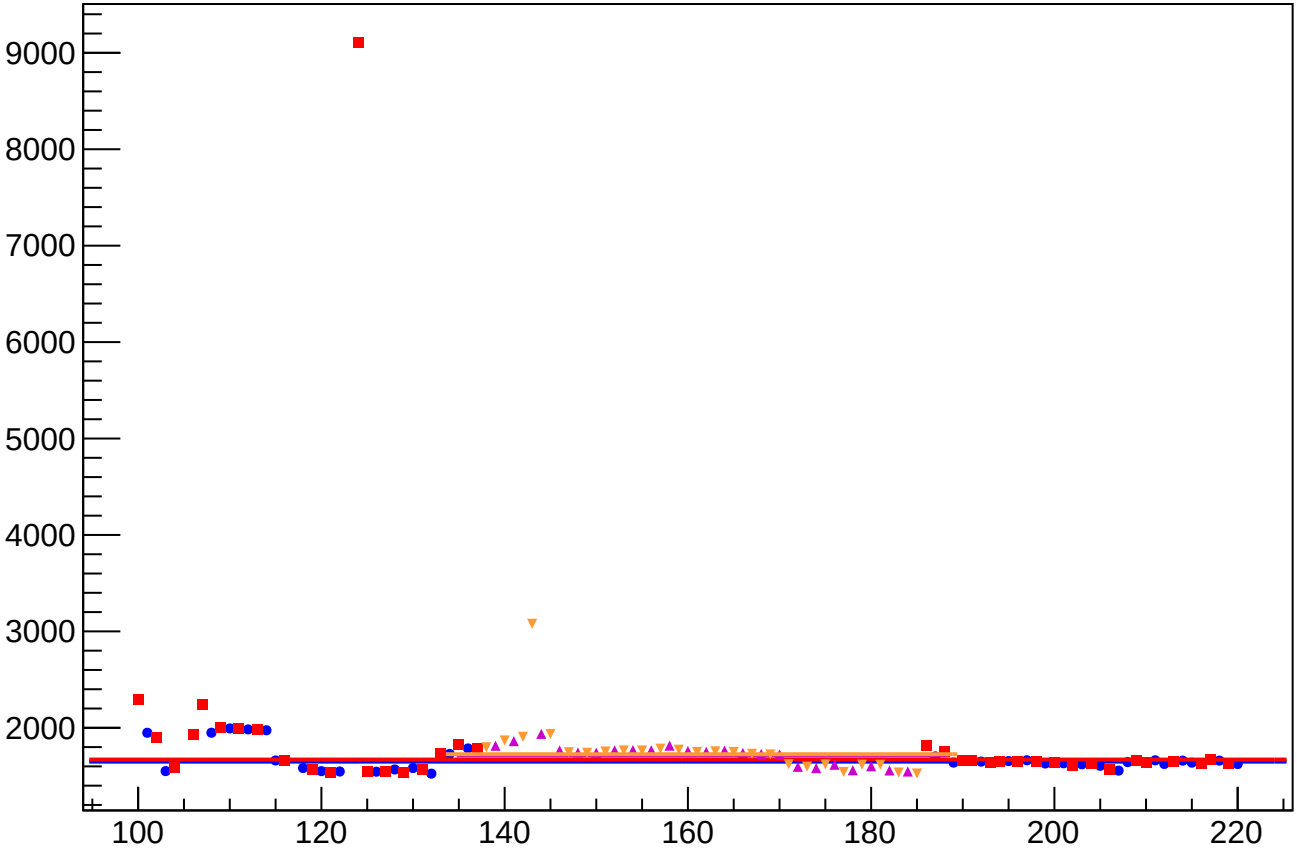
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1421.561+/-265.990 χ^2/NDF: 54.2/57

All: -248.164+/-189.124 χ^2/NDF: 194.4/117

- sign -1955.381+/-268.959 χ^2/NDF: 60.4/59

cor_asym_atl_avg_rms vs Slug



Right In: 1649.571+/-0.255 χ^2/NDF: 156007.7/32

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1670.589+/-0.256 χ^2/NDF: 423612.5/36

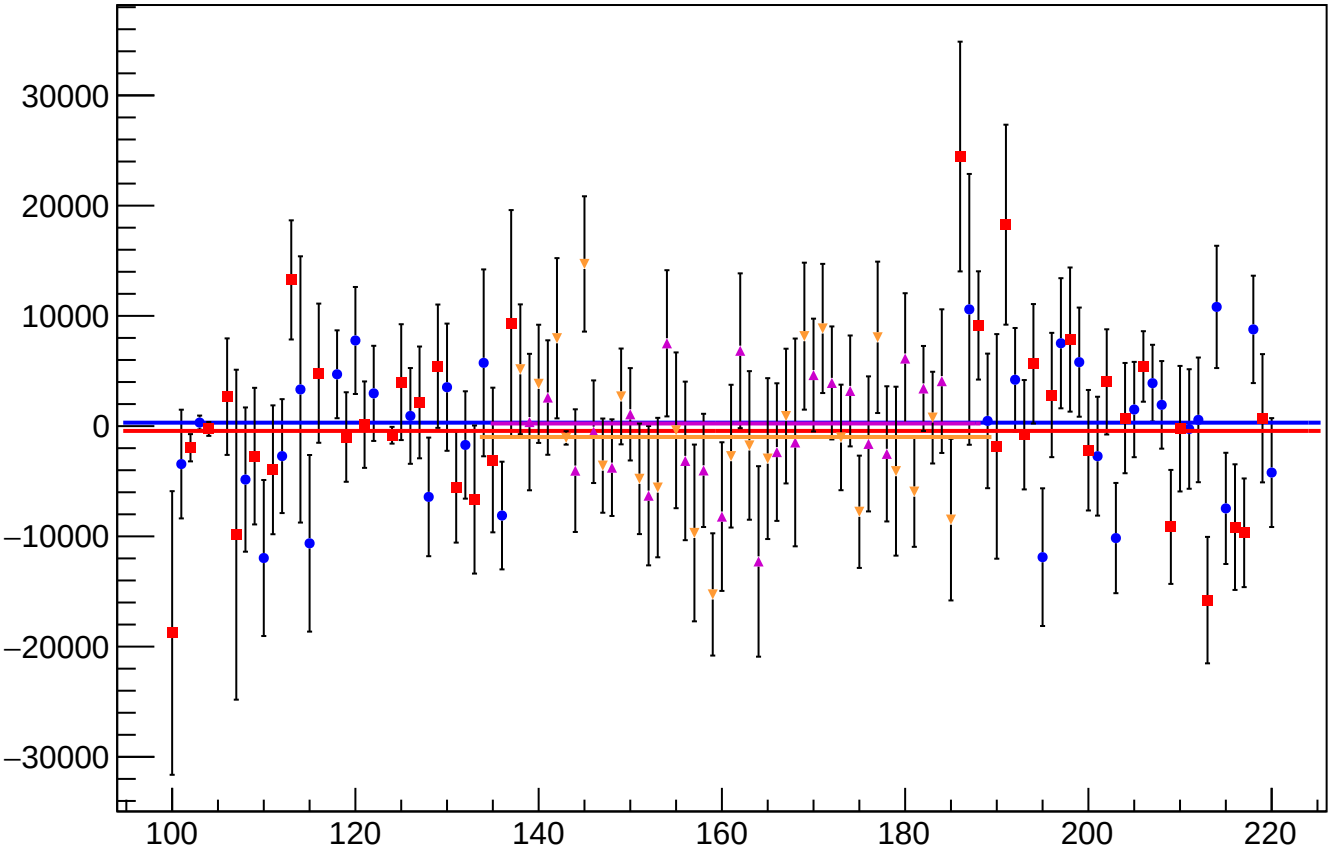
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1684.352+/-0.188 χ^2/NDF: 651944.0/57

All: 1687.015+/-0.134 χ^2/NDF: 1217668.1/11

- sign 1689.733+/-0.190 χ^2/NDF: 565319.1/59

asym_atl_avg_cor_correction_mean vs Slug



Right In: 314.355+/-523.621 χ^2/NDF: 39.6/32

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -434.800+/-407.906 χ^2/NDF: 54.5/36

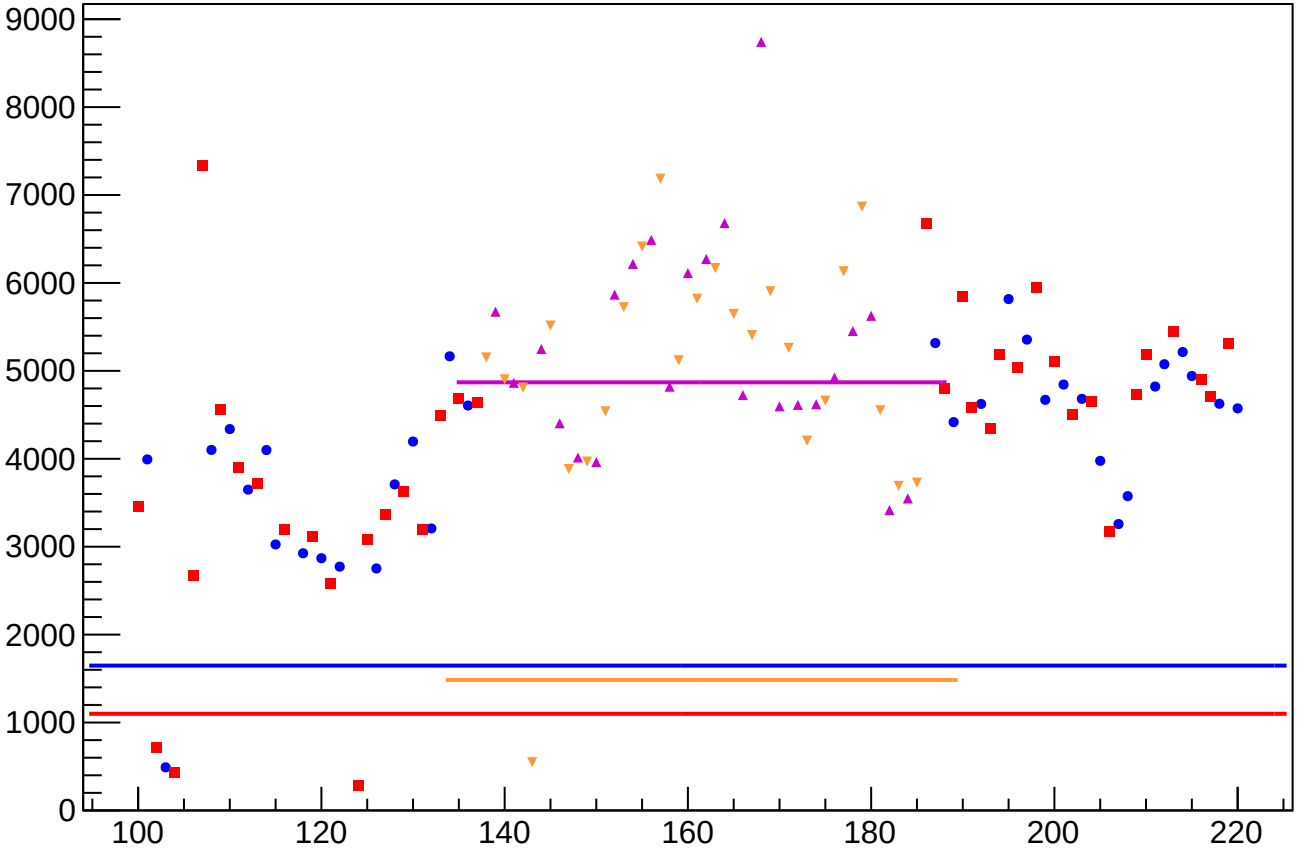
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -314.947+/-376.328 χ^2/NDF: 73.4/57

All: -337.533+/-269.115 χ^2/NDF: 141.8/117

- sign -361.170+/-384.991 χ^2/NDF: 68.4/59

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1647.562+/-0.370 χ^2/NDF: 21902263.8/32

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1099.539+/-0.288 χ^2/NDF: 27353439.4/36

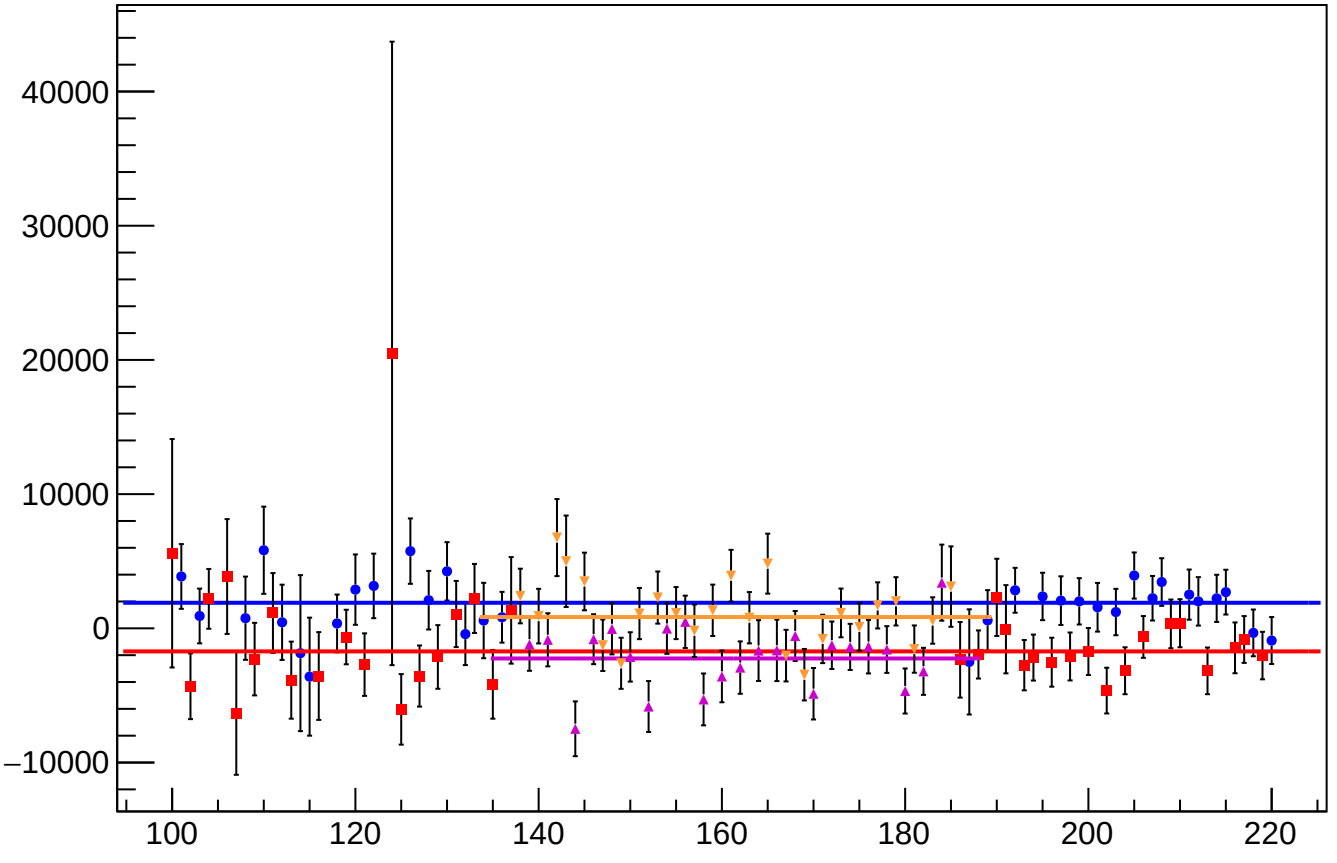
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1568.720+/-0.266 χ^2/NDF: 45221623.3/57

All: 1540.631+/-0.190 χ^2/NDF: 92729270.3/1

- sign 1511.234+/-0.272 χ^2/NDF: 47484843.5/59

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1905.259+/-360.214 χ^2/NDF: 19.9/32

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1717.967+/-362.803 χ^2/NDF: 30.1/36

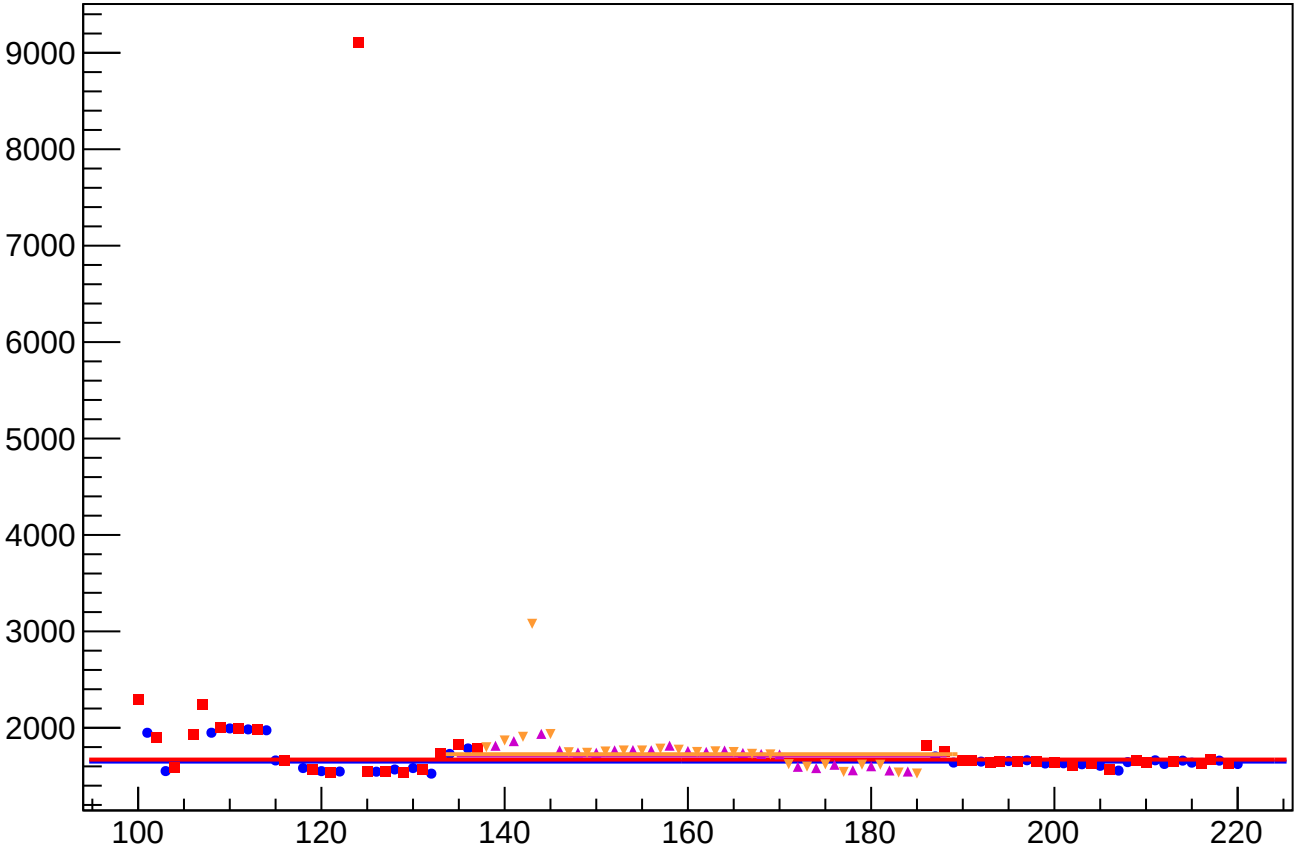
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1421.561+/-265.990 χ^2/NDF: 54.2/57

All: -248.164+/-189.124 χ^2/NDF: 194.4/117

- sign -1955.381+/-268.959 χ^2/NDF: 60.4/59

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1649.571+/-0.255 χ^2/NDF: 156007.7/32

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

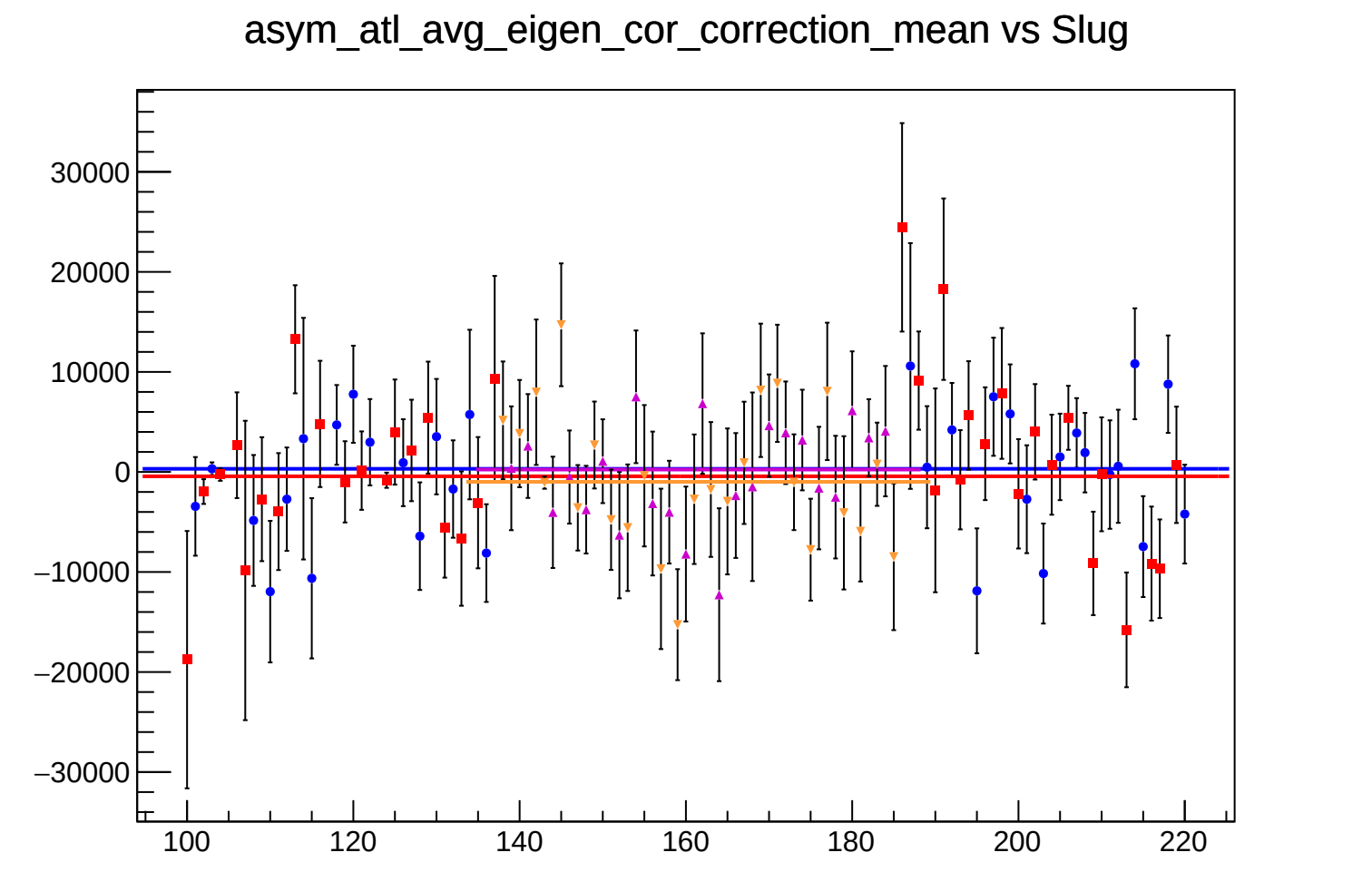
Right Out: 1670.589+/-0.256 χ^2/NDF: 423612.5/36

Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1684.352+/-0.188 χ^2/NDF: 651944.0/57

All: 1687.015+/-0.134 χ^2/NDF: 1217668.1/11

- sign 1689.733+/-0.190 χ^2/NDF: 565319.1/59



Right In: 314.355+/-523.621 χ^2/NDF: 39.6/32

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -434.800+/-407.906 χ^2/NDF: 54.5/36

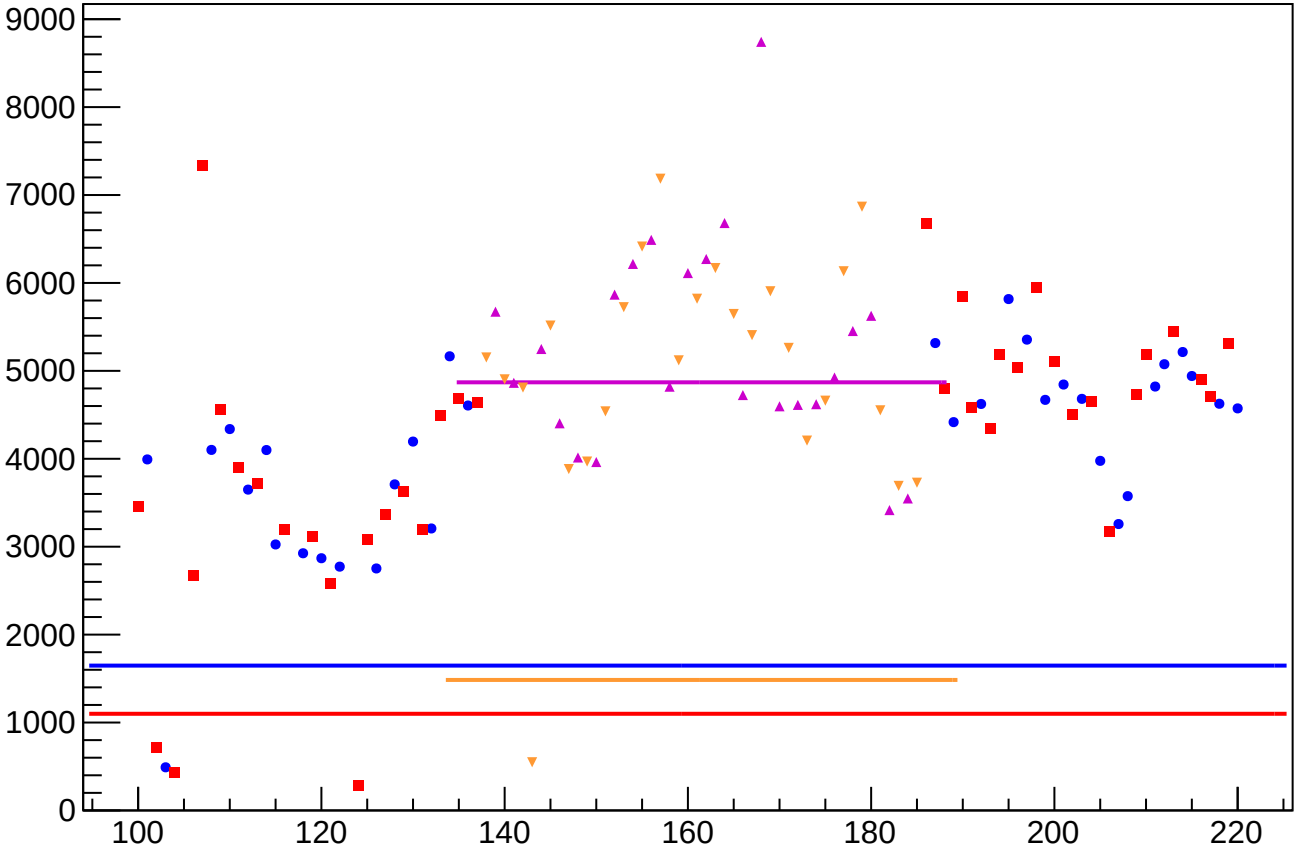
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

\+ sign -314.947+/-376.328 χ^2/NDF: 73.4/57

All: -337.533+/-269.115 χ^2/NDF: 141.8/117

\- sign -361.170+/-384.991 χ^2/NDF: 68.4/59

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1647.562+/-0.370 χ^2/NDF: 21902263.8/32

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 1099.539+/-0.288 χ^2/NDF: 27353439.4/36

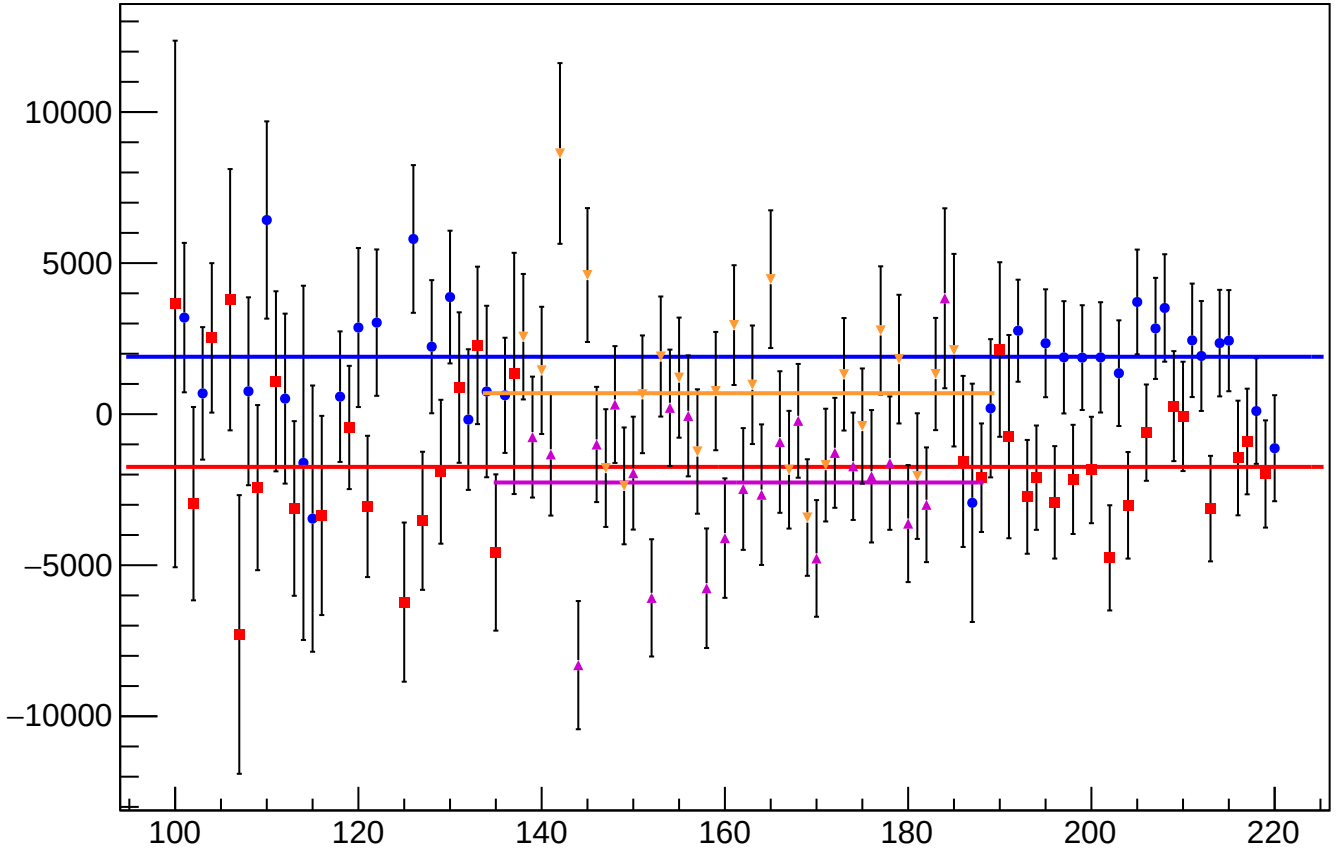
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1568.720+/-0.266 χ^2/NDF: 45221623.3/57

All: 1540.631+/-0.190 χ^2/NDF: 92729270.3/1

- sign 1511.234+/-0.272 χ^2/NDF: 47484843.5/59

dit_asym_atl_avg_mean vs Slug



Right In: 1899.815+/-363.710 χ^2/NDF: 19.2/32

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1744.905+/-368.411 χ^2/NDF: 27.2/35

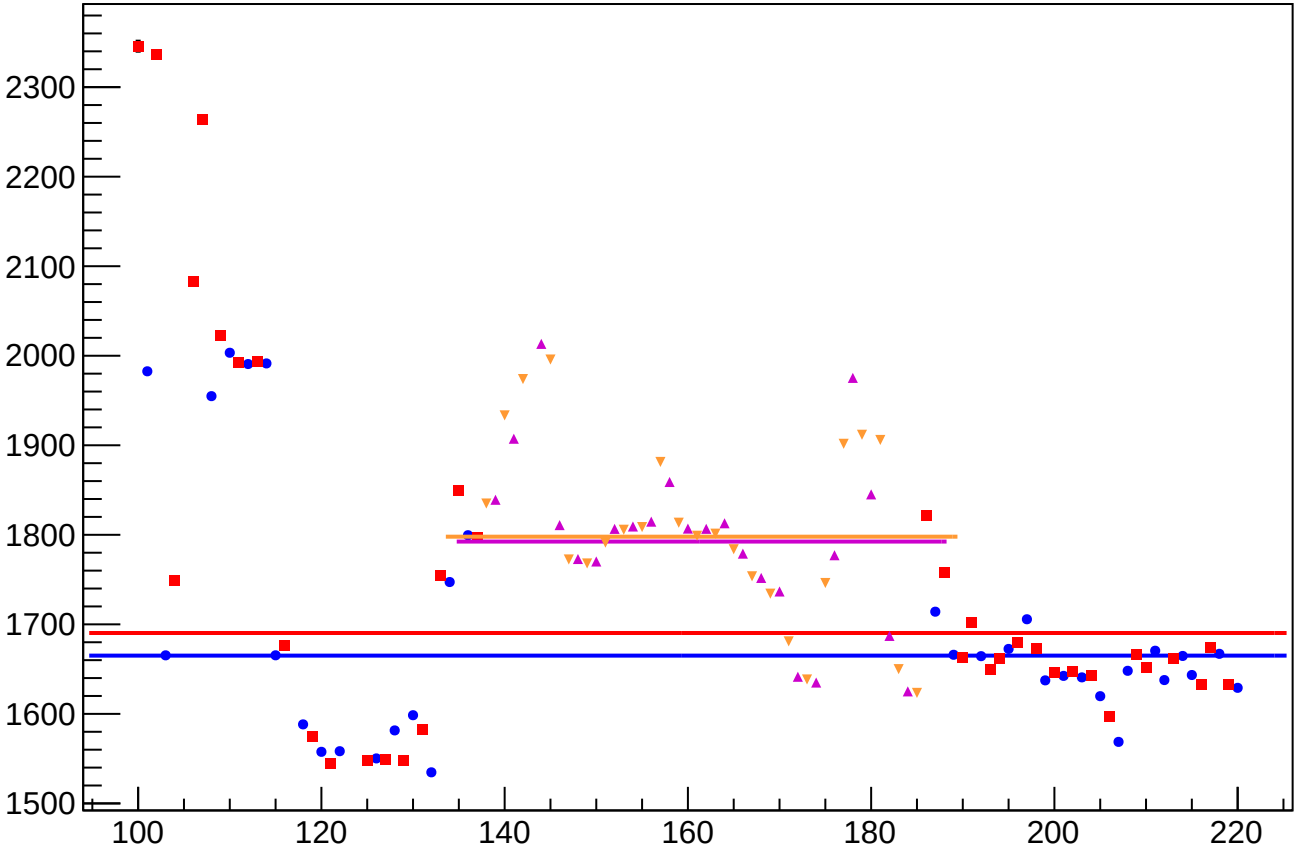
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1380.458+/-274.397 χ^2/NDF: 56.2/56

All: -280.706+/-194.845 χ^2/NDF: 188.6/115

- sign -1970.159+/-276.723 χ^2/NDF: 58.5/58

dit_asym_atl_avg_rms vs Slug



Right In: 1665.070+/-0.257 χ^2/NDF: 153894.0/32

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1690.339+/-0.260 χ^2/NDF: 291331.9/35

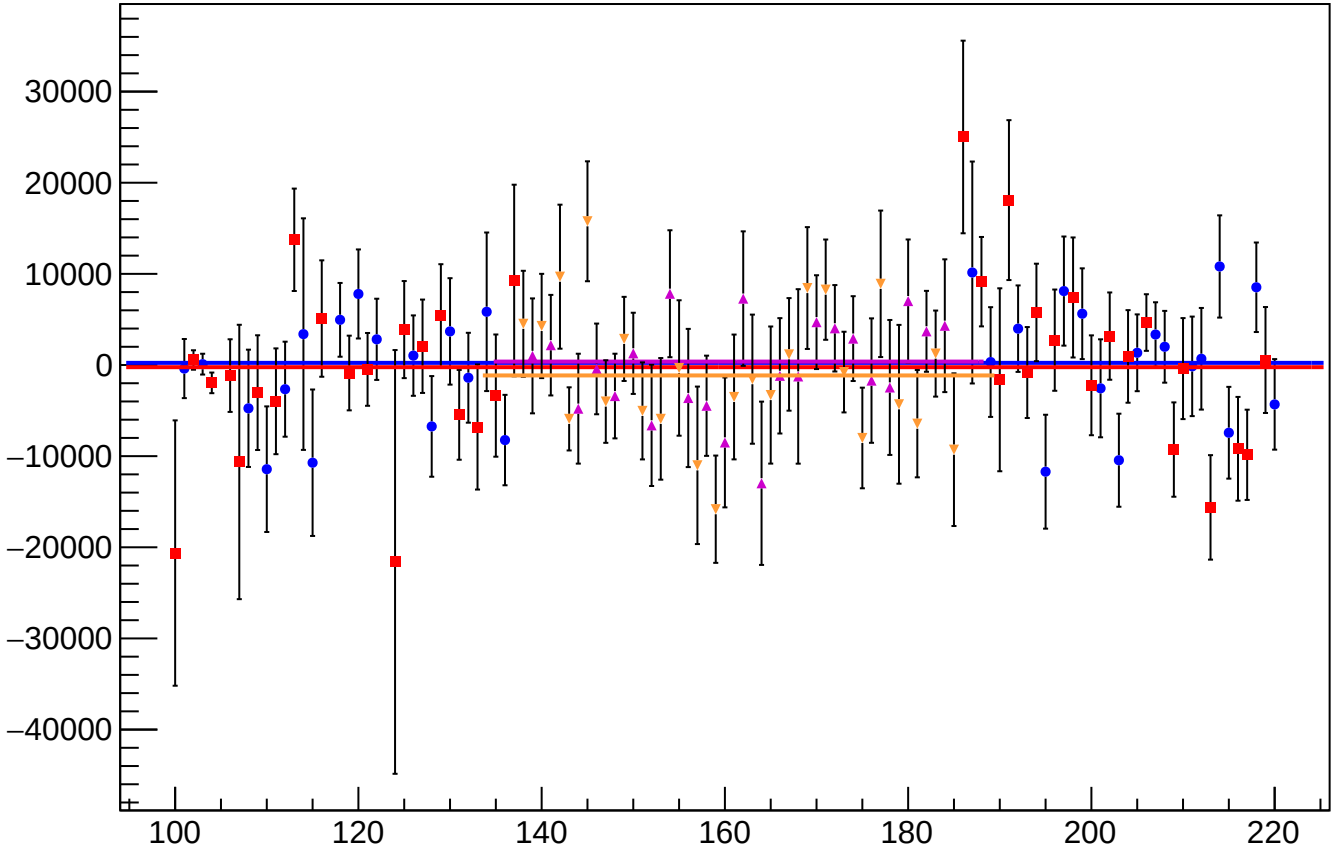
Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1722.301+/-0.194 χ^2/NDF: 366835.7/56

All: 1728.502+/-0.138 χ^2/NDF: 820102.5/115

- sign 1734.805+/-0.196 χ^2/NDF: 451206.9/58

asym_atl_avg_dit_correction_mean vs Slug



Right In: 235.810+/-708.232 χ^2/NDF: 38.4/32

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: -238.283+/-598.365 χ^2/NDF: 55.0/36

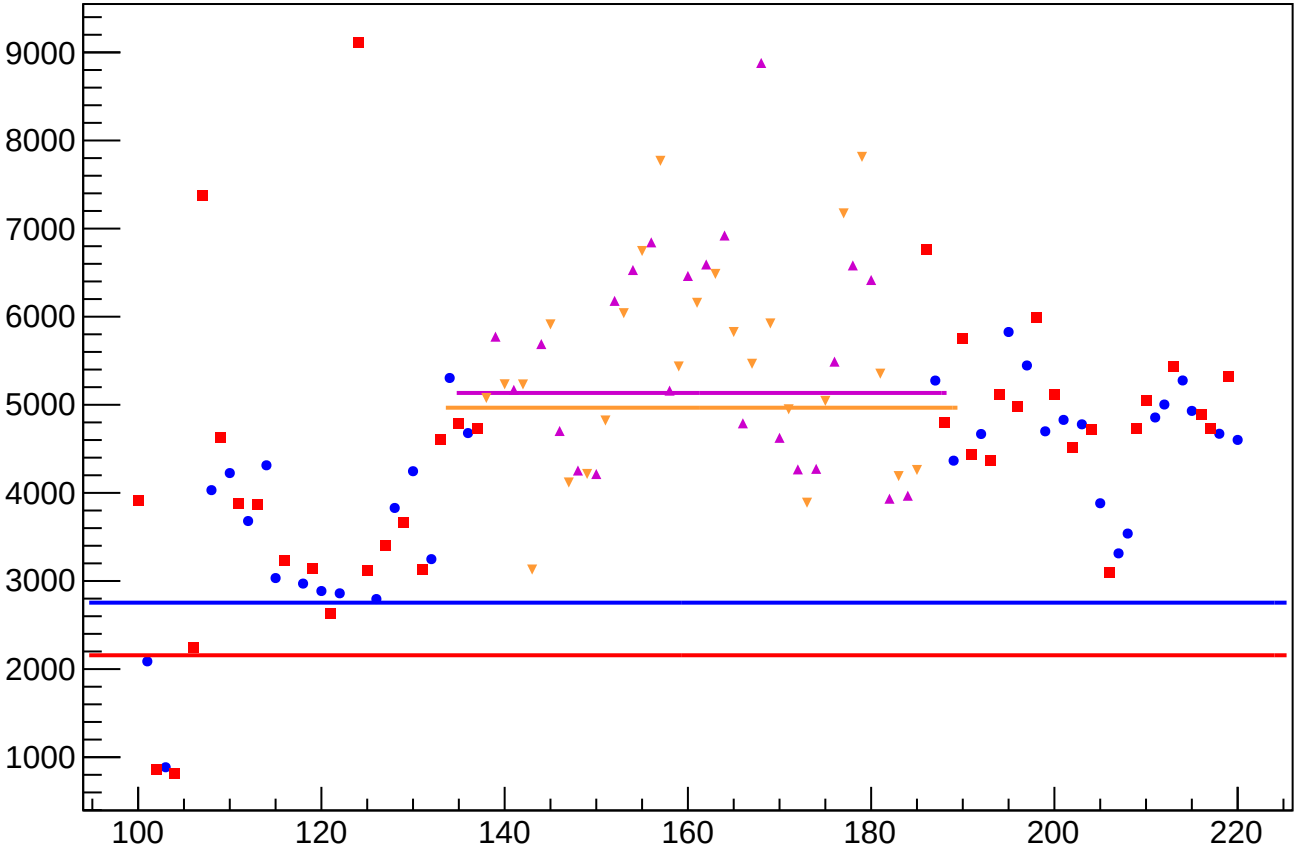
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

+ sign -136.887+/-605.102 χ^2/NDF: 72.0/57

All: -127.864+/-402.048 χ^2/NDF: 140.4/117

- sign -120.732+/-537.964 χ^2/NDF: 68.4/59

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2754.006+/-0.501 χ^2/NDF: 11032569.5/32

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 2156.923+/-0.423 χ^2/NDF: 16820162.9/36

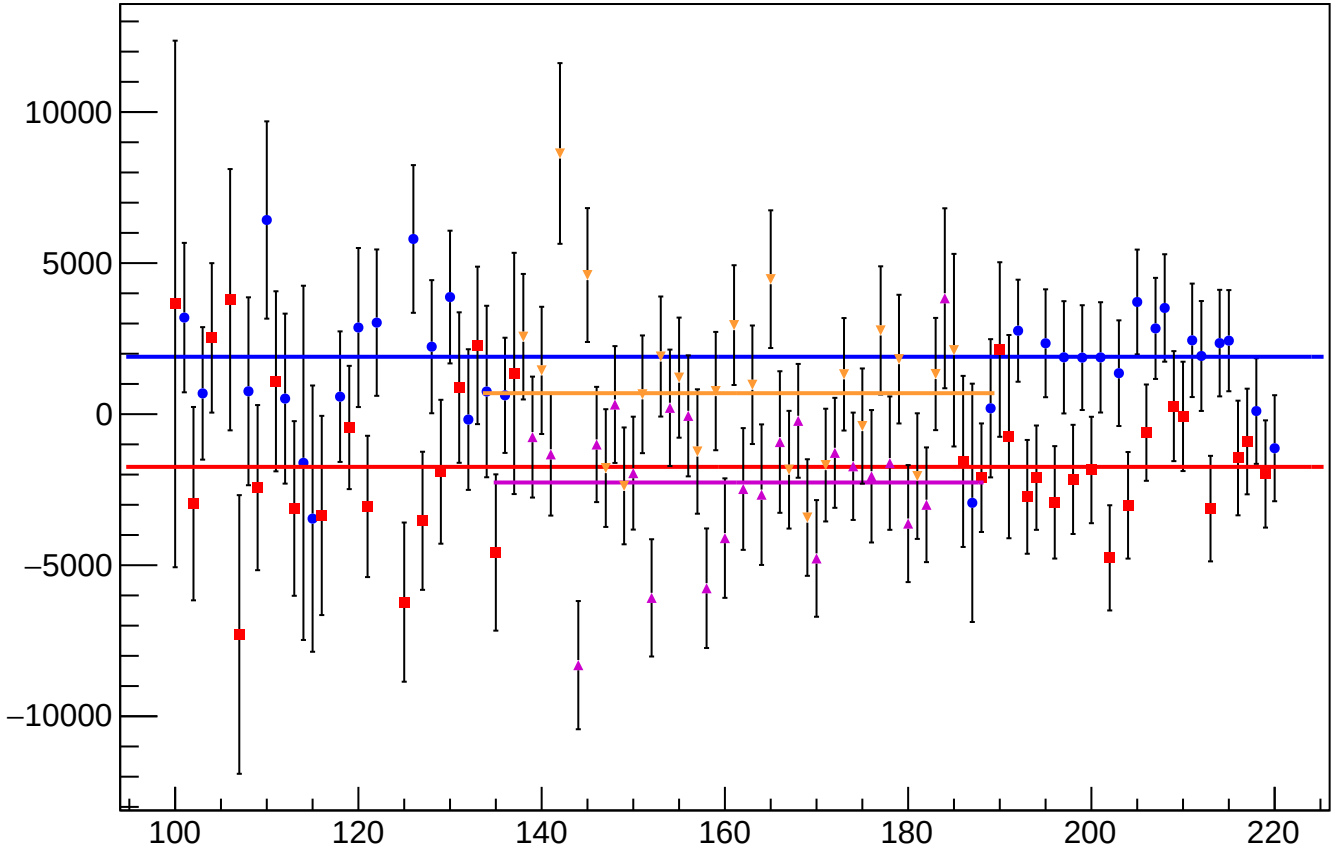
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3351.544+/-0.428 χ^2/NDF: 18222819.2/57

All: 3003.110+/-0.284 χ^2/NDF: 47210796.1/1

- sign 2727.705+/-0.380 χ^2/NDF: 27800660.8/59

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1899.814+/-363.710 χ^2/NDF: 19.2/32

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1744.901+/-368.411 χ^2/NDF: 27.2/35

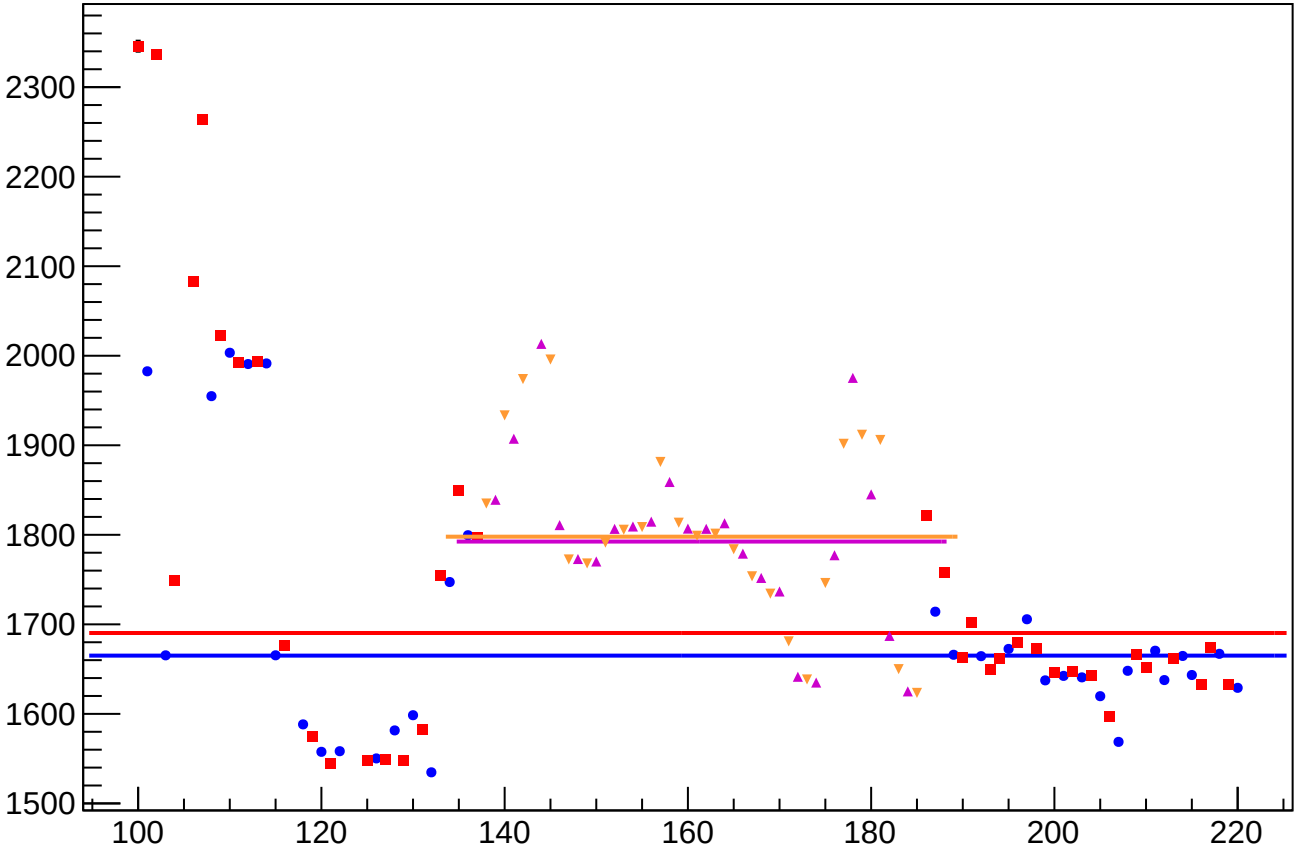
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1380.456+/-274.397 χ^2/NDF: 56.2/56

All: -280.706+/-194.845 χ^2/NDF: 188.6/115

- sign -1970.156+/-276.723 χ^2/NDF: 58.5/58

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1665.070+/-0.257 χ^2/NDF: 153894.2/32

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1690.339+/-0.260 χ^2/NDF: 291331.4/35

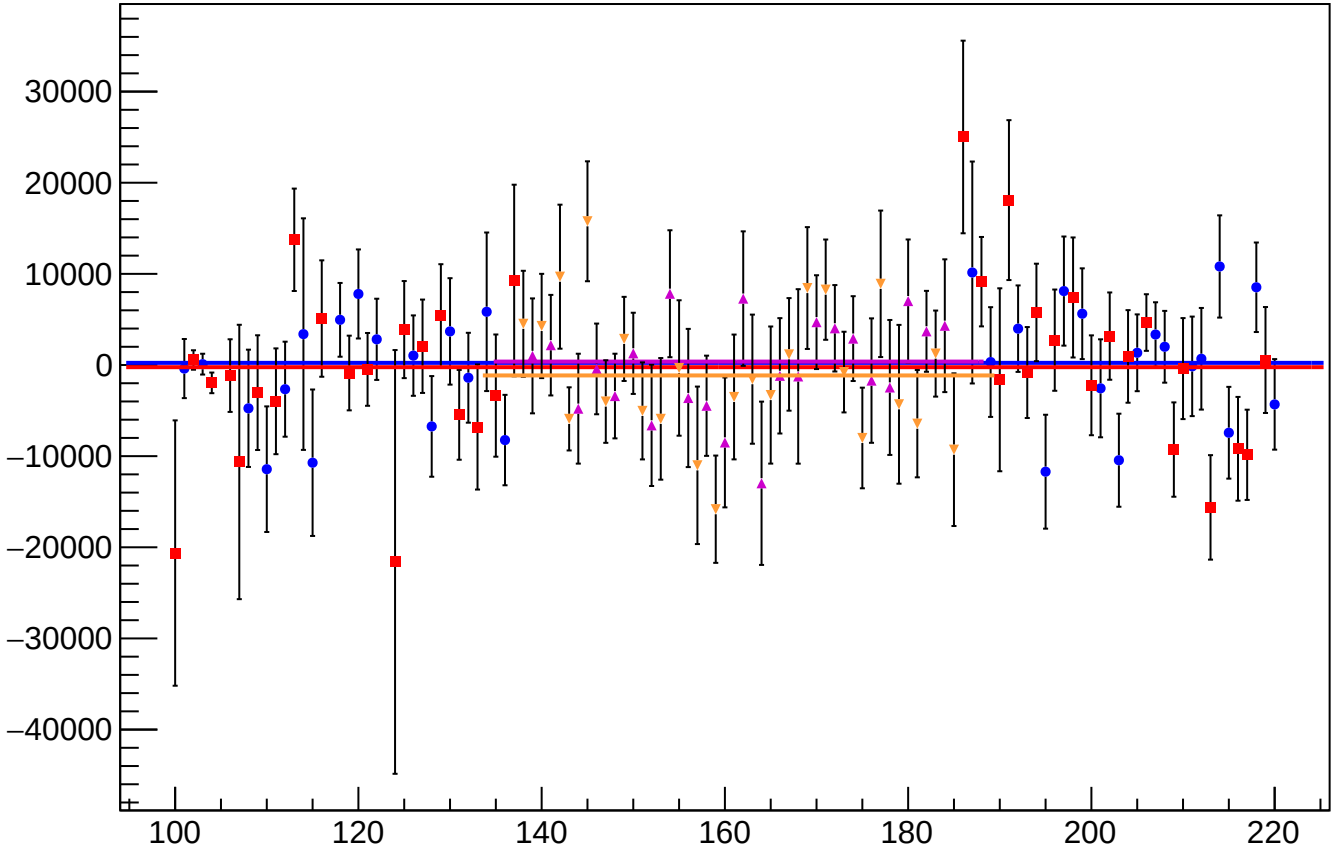
Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1722.301+/-0.194 χ^2/NDF: 366841.7/56

All: 1728.503+/-0.138 χ^2/NDF: 820113.0/115

- sign 1734.805+/-0.196 χ^2/NDF: 451211.5/58

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: 235.810+/-708.229 χ^2/NDF: 38.4/32

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: -238.286+/-598.362 χ^2/NDF: 55.0/36

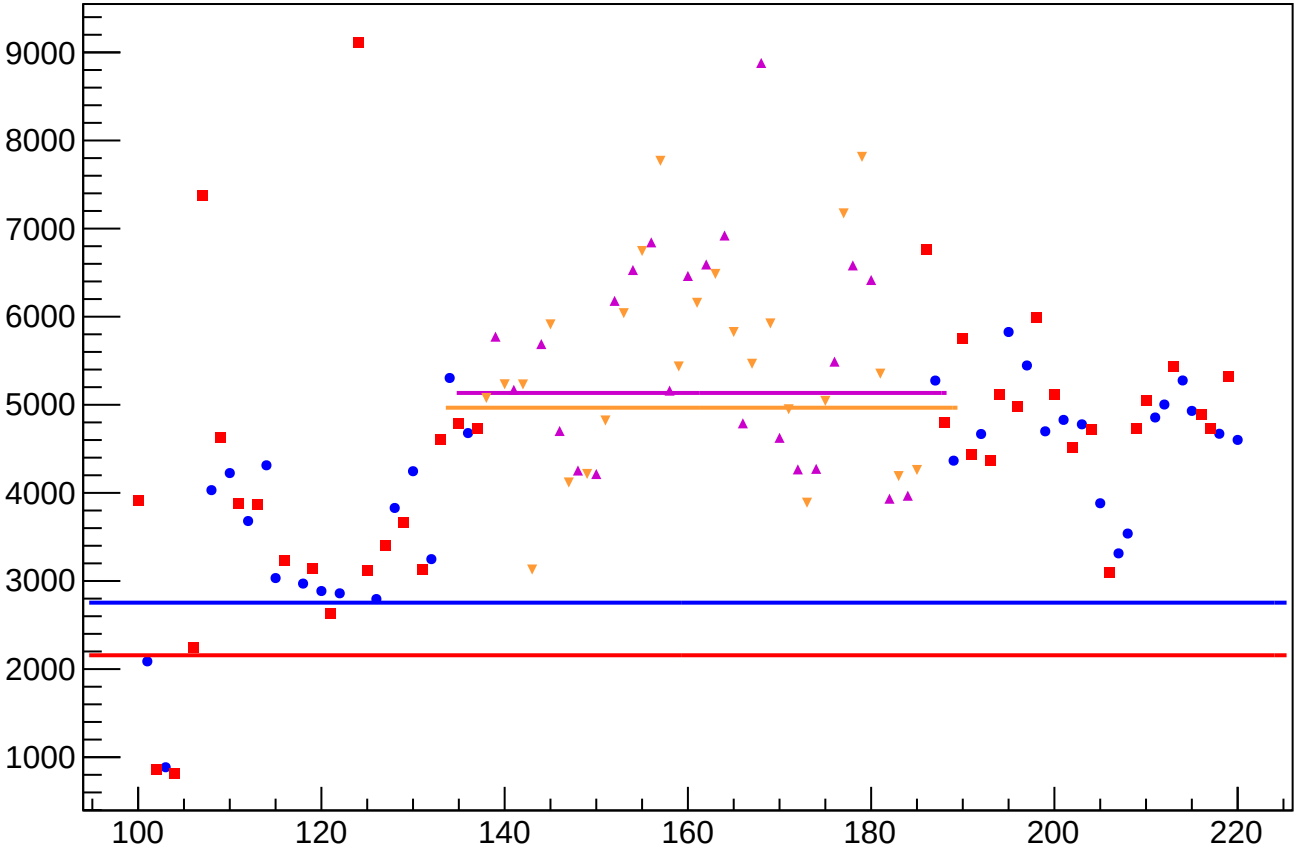
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

\+ sign -136.886+/-605.100 χ^2/NDF: 72.0/57

All: -127.865+/-402.047 χ^2/NDF: 140.4/117

\- sign -120.736+/-537.962 χ^2/NDF: 68.4/59

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2753.989+/-0.501 χ^2/NDF: 11032737.2/32

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 2156.904+/-0.423 χ^2/NDF: 16820333.4/36

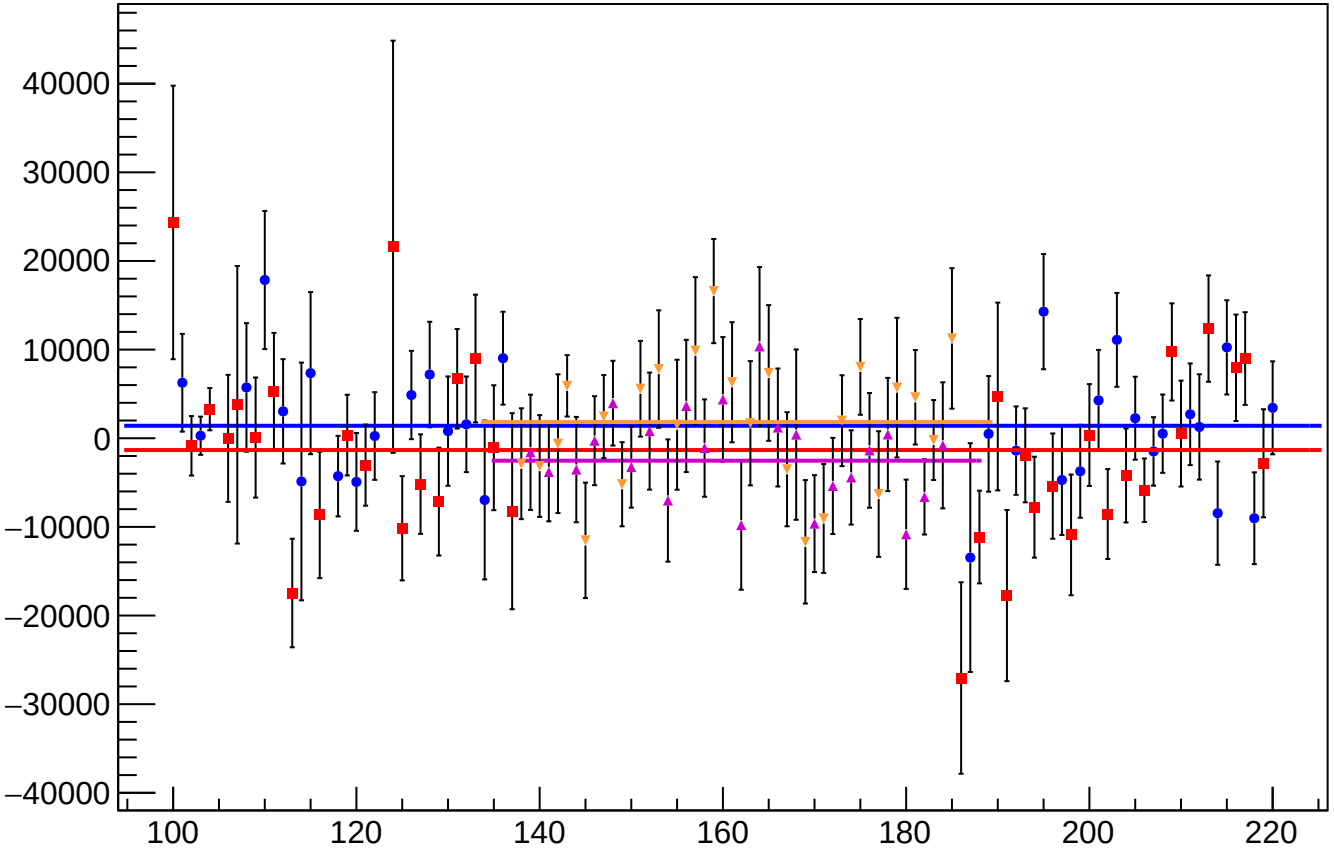
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3351.529+/-0.428 χ^2/NDF: 18223108.5/57

All: 3003.091+/-0.284 χ^2/NDF: 47211452.0/1

- sign 2727.685+/-0.380 χ^2/NDF: 27801001.0/59

asym_atl_avg_mean vs Slug



Right In: 1408.638+/-907.461 χ^2/NDF: 35.6/32

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -1331.849+/-915.616 χ^2/NDF: 61.0/36

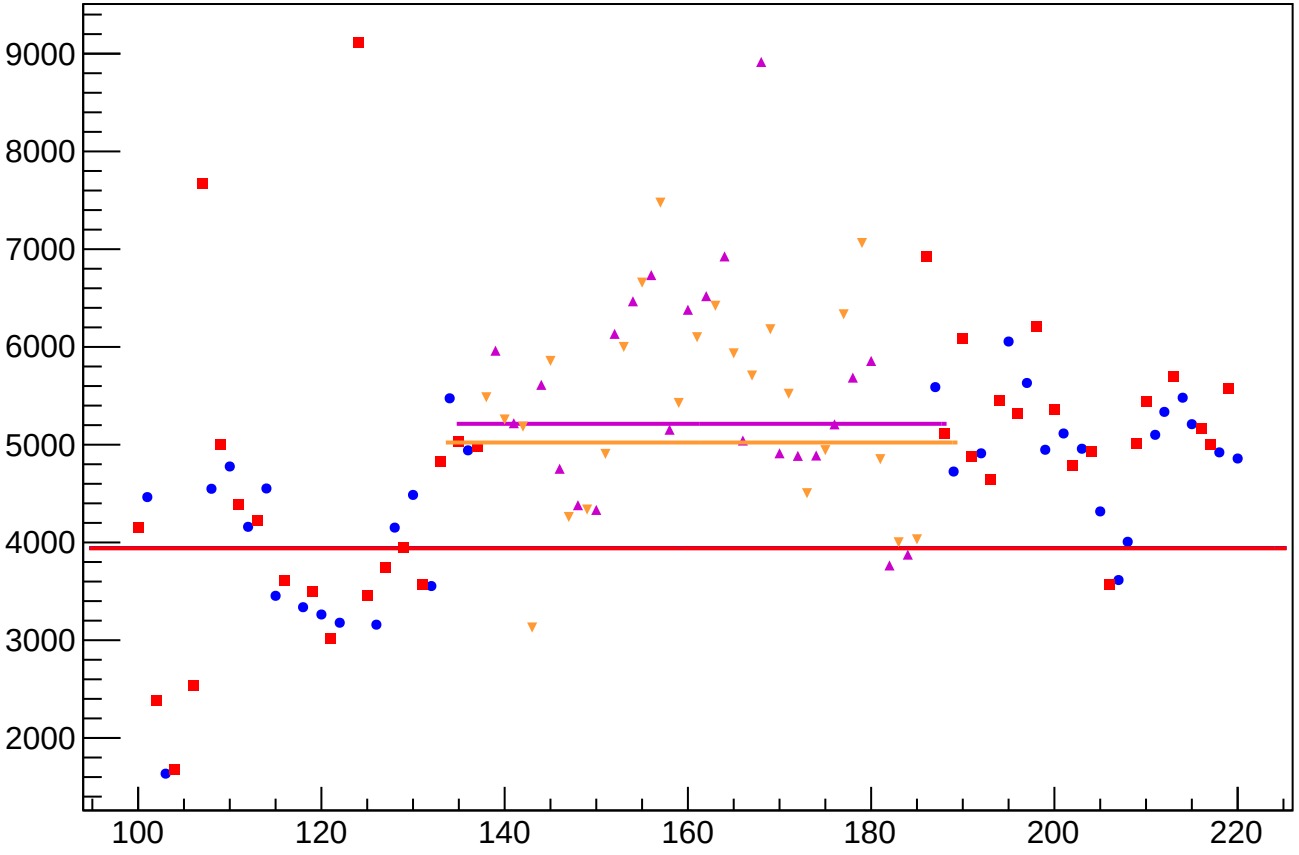
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1565.065+/-717.629 χ^2/NDF: 66.8/57

All: -50.052+/-514.152 χ^2/NDF: 152.0/117

- sign -1753.541+/-737.000 χ^2/NDF: 74.8/59

asym_atl_avg_rms vs Slug



Right In: 3942.490+/-0.642 χ^2/NDF: 4021124.7/32

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

Right Out: 3940.359+/-0.642 χ^2/NDF: 4714306.6/36

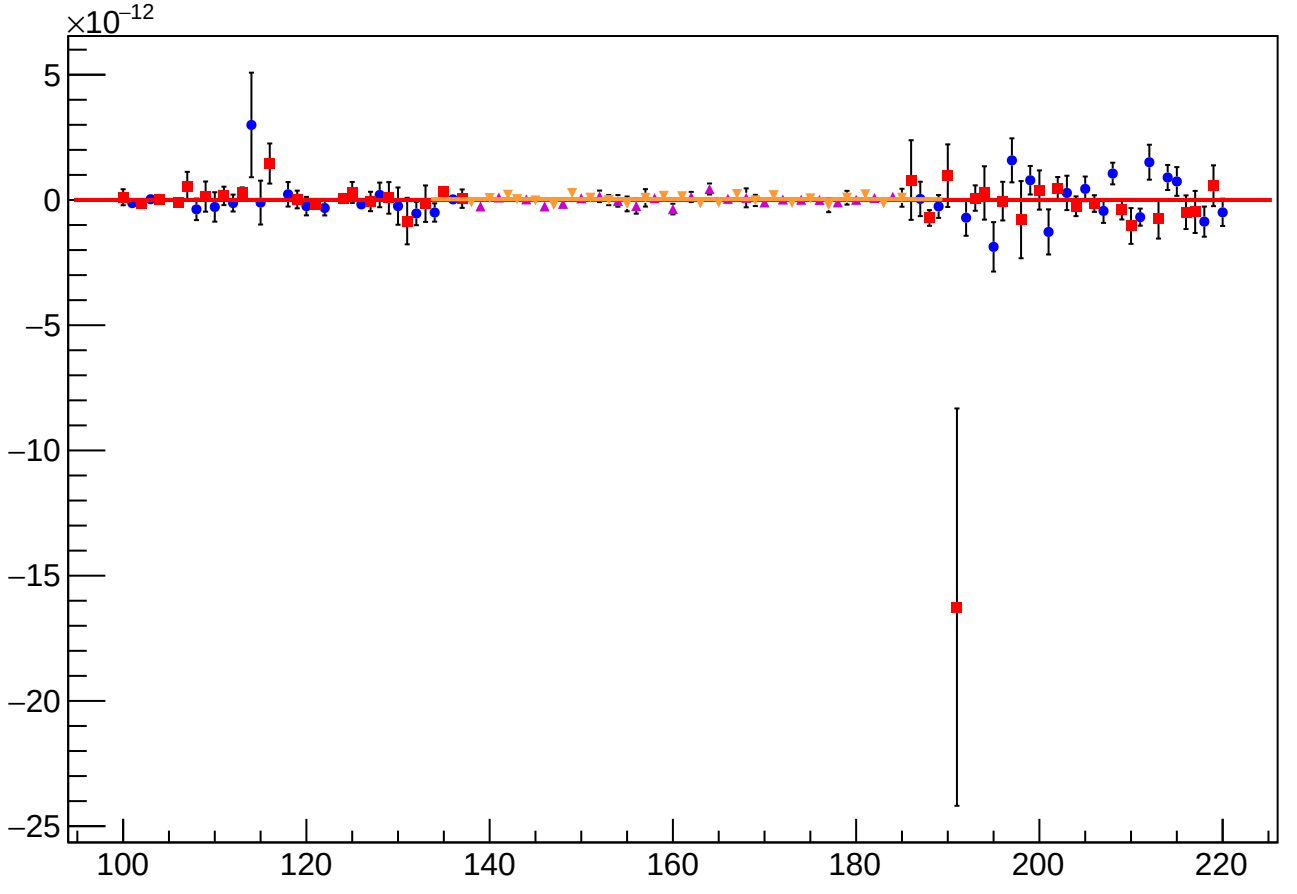
Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4347.048+/-0.507 χ^2/NDF: 6758810.8/57

All: 4364.983+/-0.363 χ^2/NDF: 14068868.2/1

- sign 4383.690+/-0.518 χ^2/NDF: 7307505.1/59

asym_atl_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 47.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

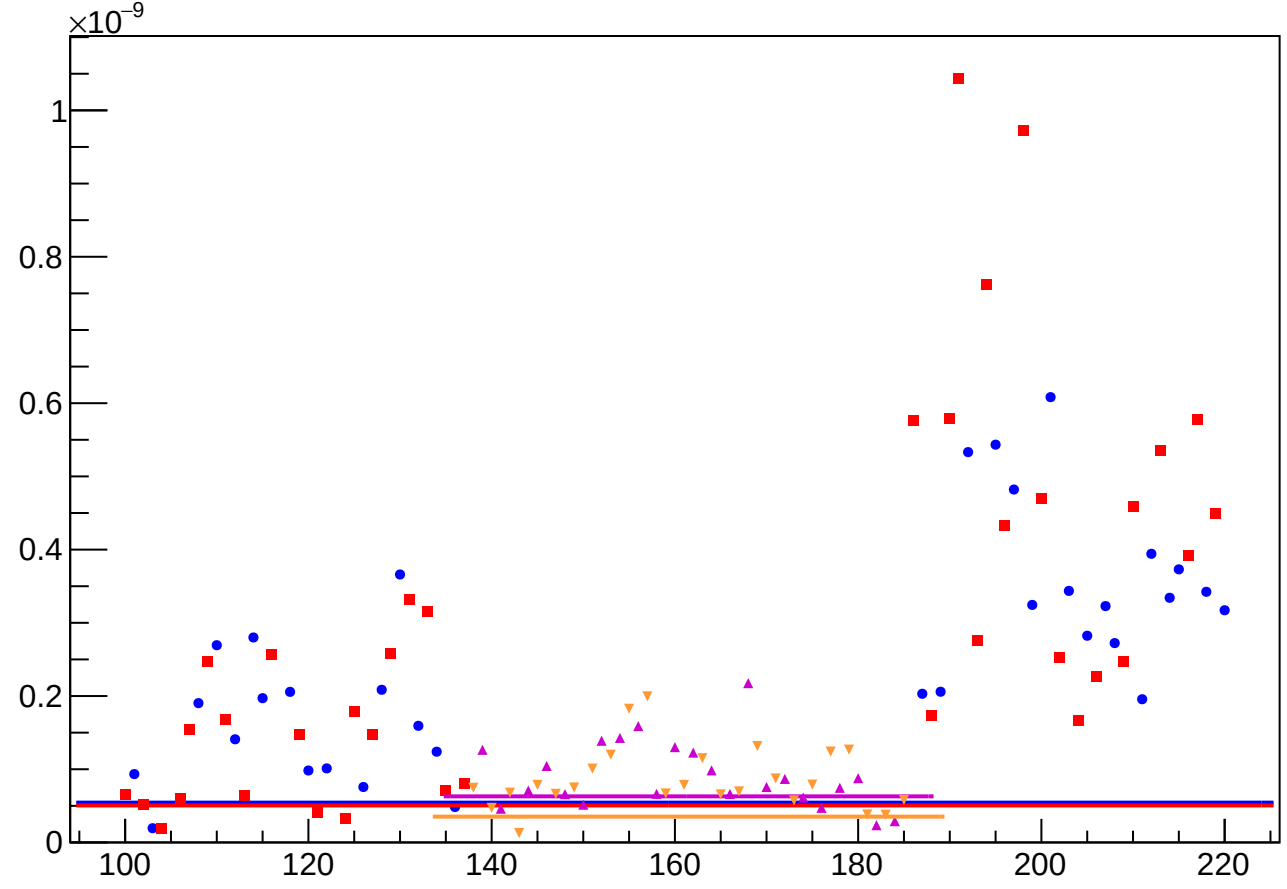
Right Out: 0.000+/-0.000 χ^2/NDF: 32.9/36

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.7/57

All: 0.000+/-0.000 χ^2/NDF: 125.2/117

- sign 0.000+/-0.000 χ^2/NDF: 52.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 11631034.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:6511119.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11846643.7/36

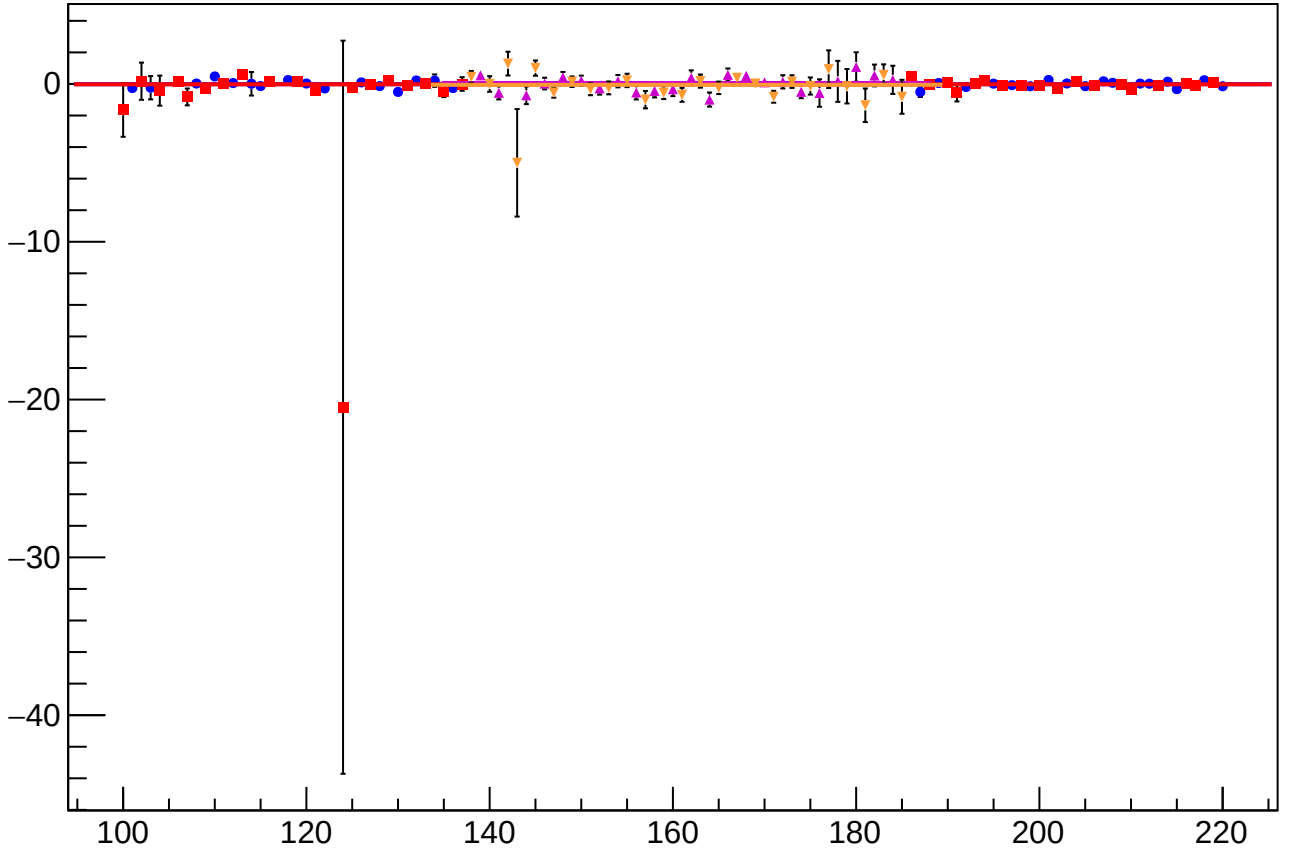
Left In: 0.000+/-0.000 χ^2/NDF:2934305.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 18656549.8/57

All: 0.000+/-0.000 χ^2/NDF: 34531195.3/117

- sign 0.000+/-0.000 χ^2/NDF: 14955298.1/59

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.031 χ^2/NDF: 41.1/32

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.021+/-0.030 χ^2/NDF: 37.4/36

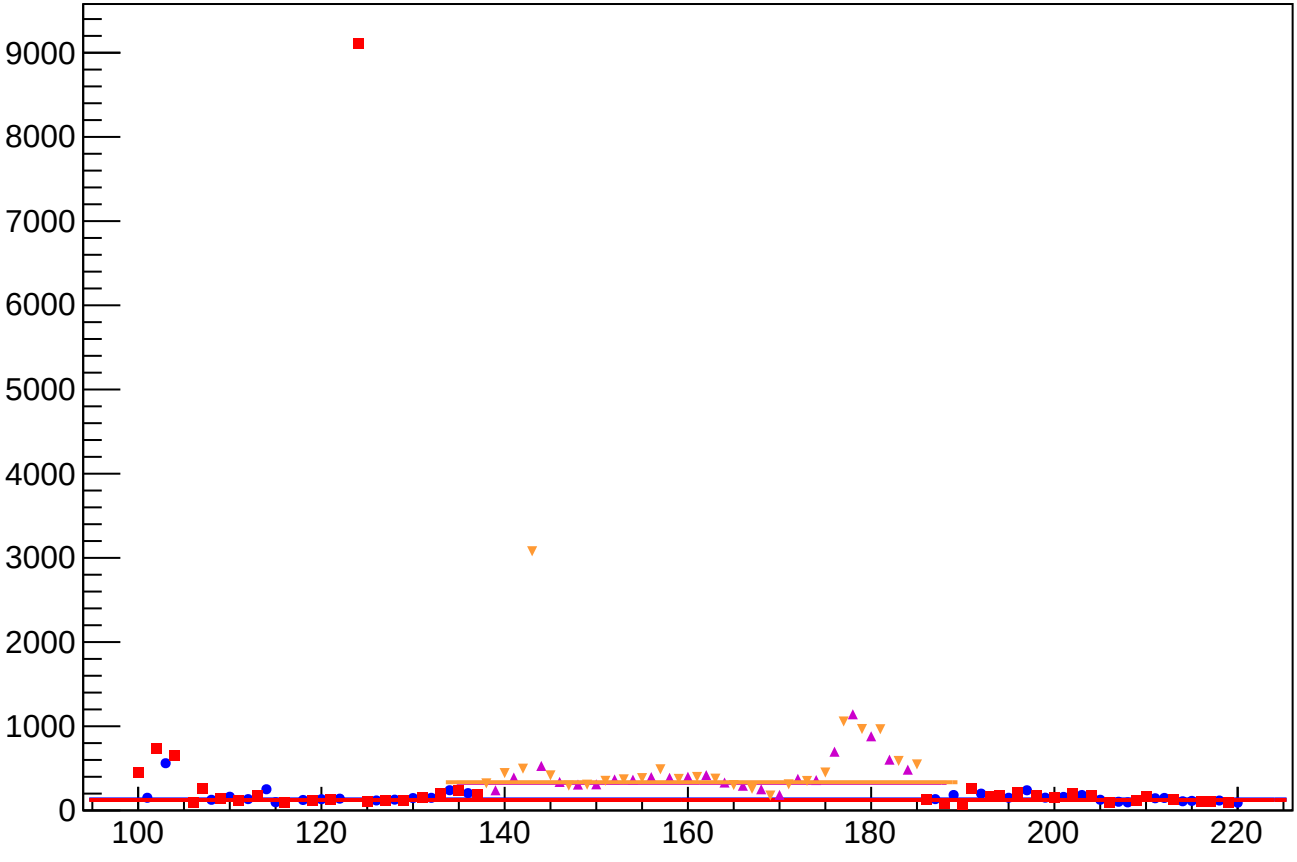
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.019+/-0.029 χ^2/NDF: 74.4/57

All: -0.015+/-0.020 χ^2/NDF: 140.8/117

- sign -0.012+/-0.028 χ^2/NDF: 66.3/59

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 130.990+/-0.022 χ^2/NDF: 2830323.4/32

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 124.302+/-0.021 χ^2/NDF: 4536761.6/36

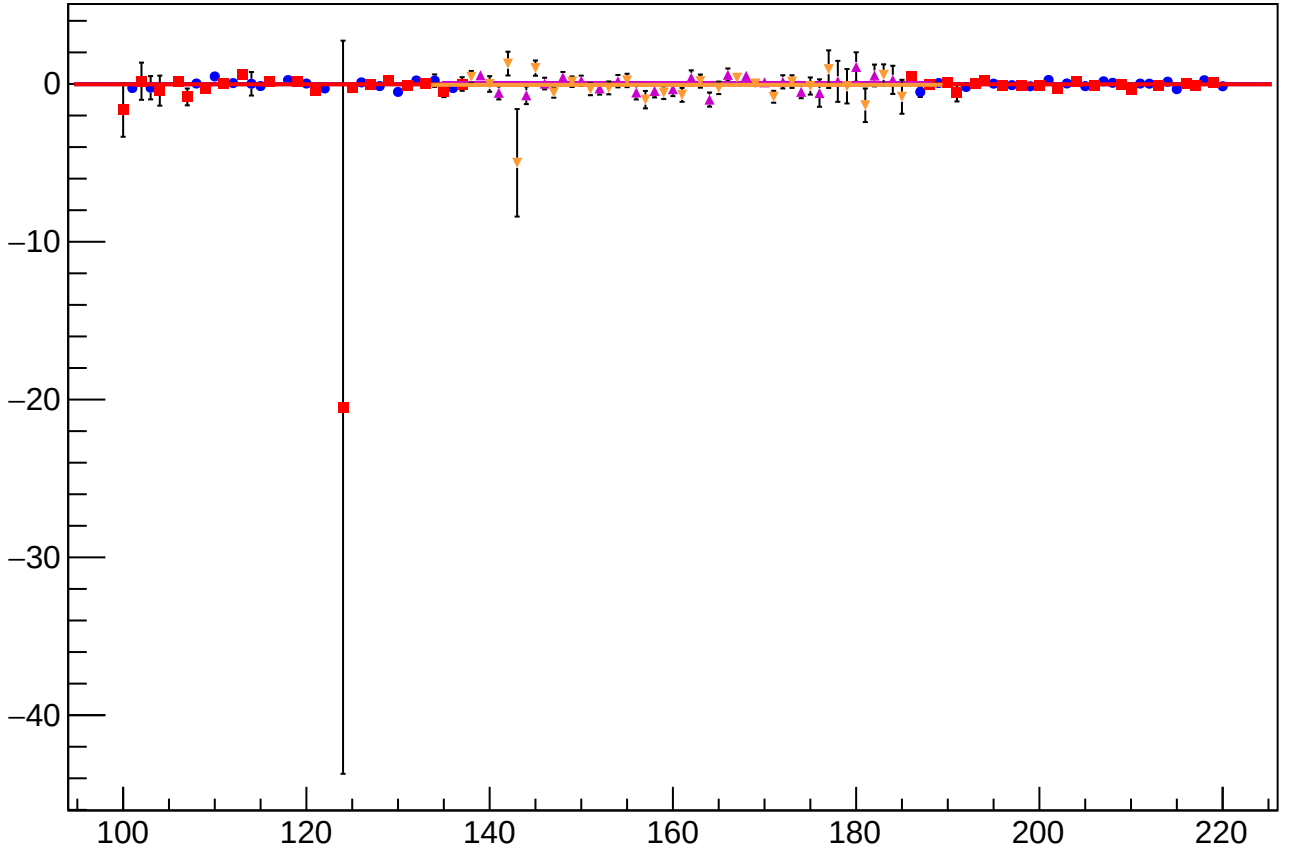
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 155.050+/-0.021 χ^2/NDF: 18956538.4/57

All: 151.403+/-0.014 χ^2/NDF: 38374112.0/11

- sign 147.959+/-0.020 χ^2/NDF: 19356266.6/59

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.014+/-0.031 χ^2/NDF: 41.1/32

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.021+/-0.030 χ^2/NDF: 37.4/36

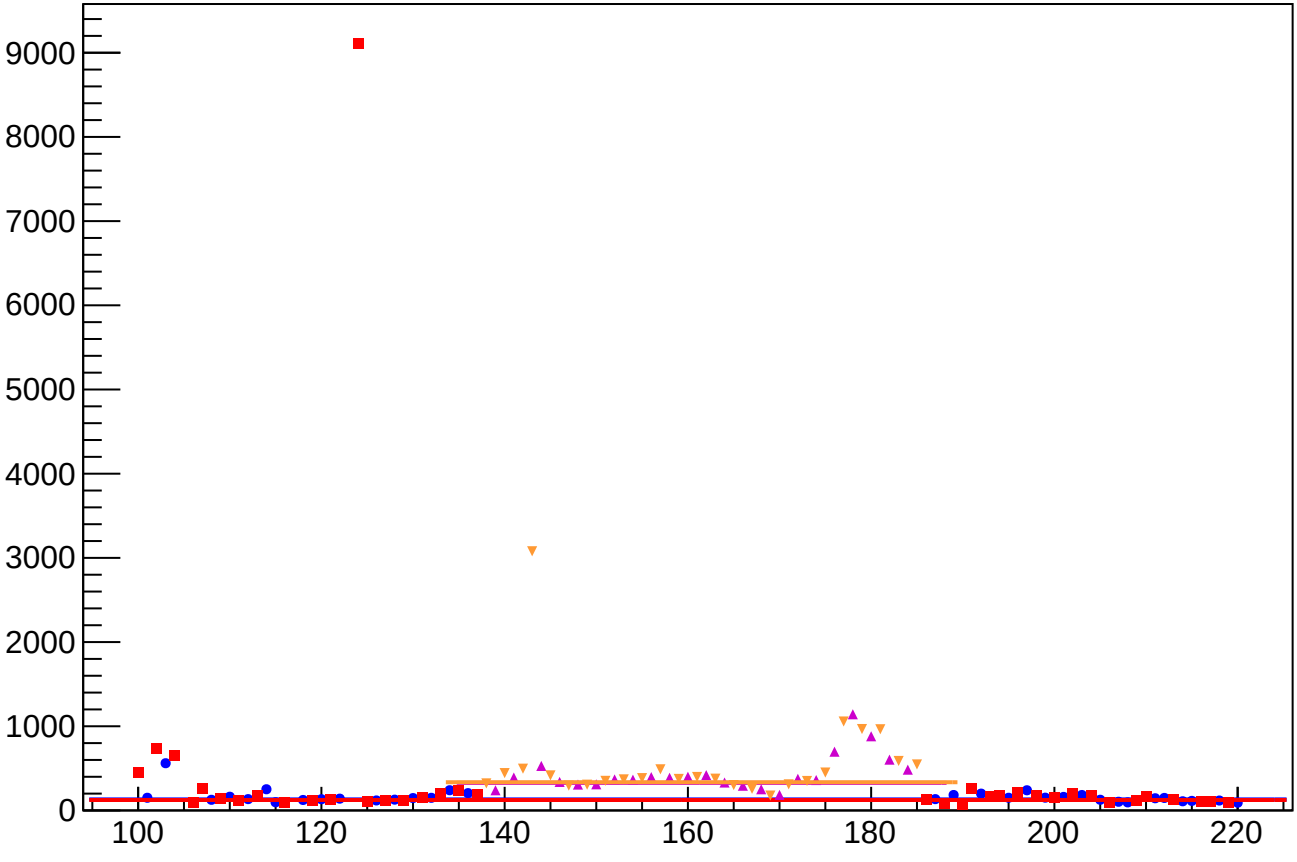
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

\+ sign -0.019+/-0.029 χ^2/NDF: 74.4/57

All: -0.015+/-0.020 χ^2/NDF: 140.8/117

\- sign -0.012+/-0.028 χ^2/NDF: 66.3/59

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 130.990+/-0.022 χ^2/NDF: 2830323.4/32

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

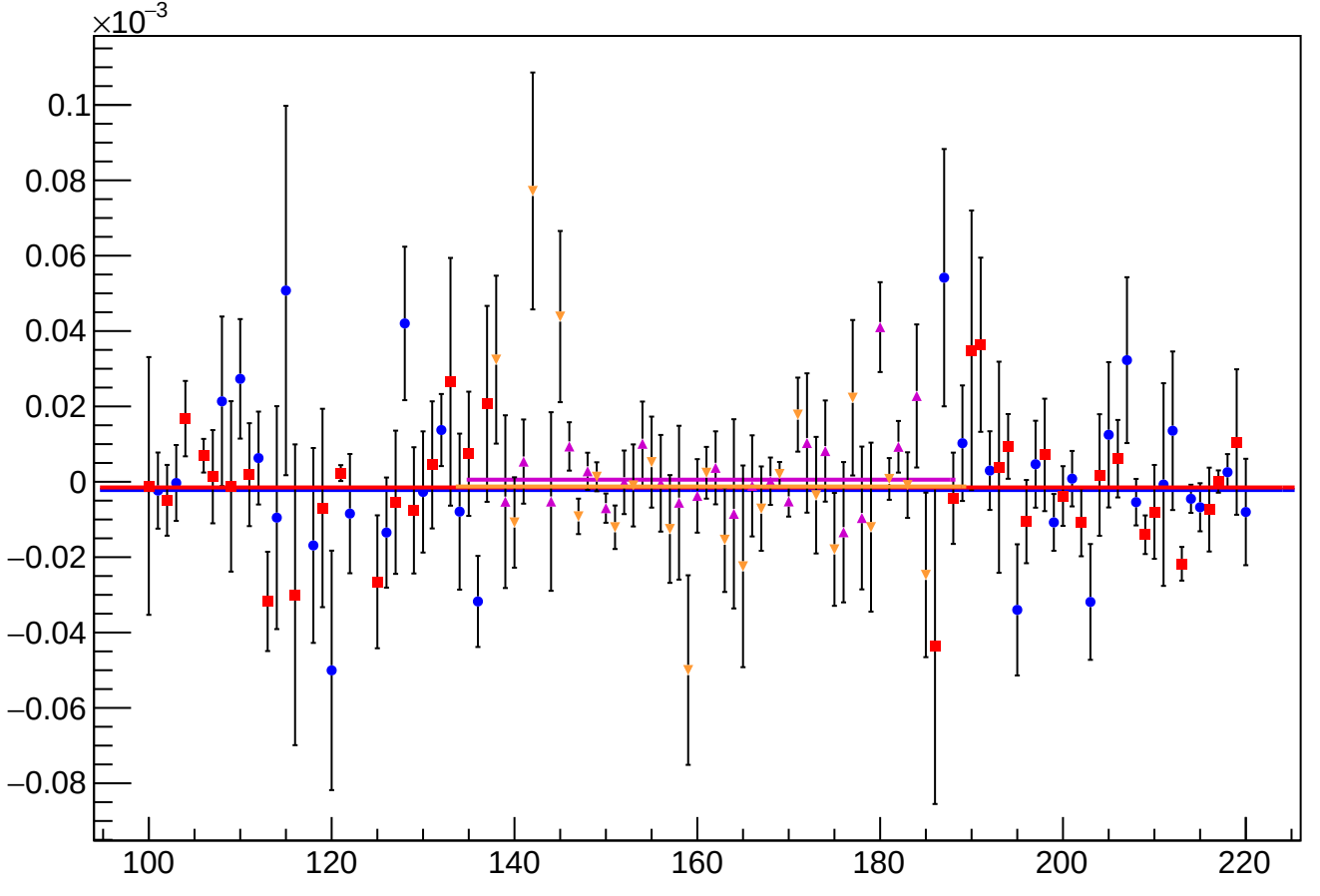
Right Out: 124.302+/-0.021 χ^2/NDF: 4536761.6/36

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 155.050+/-0.021 χ^2/NDF: 18956538.4/57

All: 151.403+/-0.014 χ^2/NDF: 38374112.0/11

- sign 147.959+/-0.020 χ^2/NDF: 19356266.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 41.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

Right Out: -0.000+/-0.000 χ^2/NDF: 57.1/35

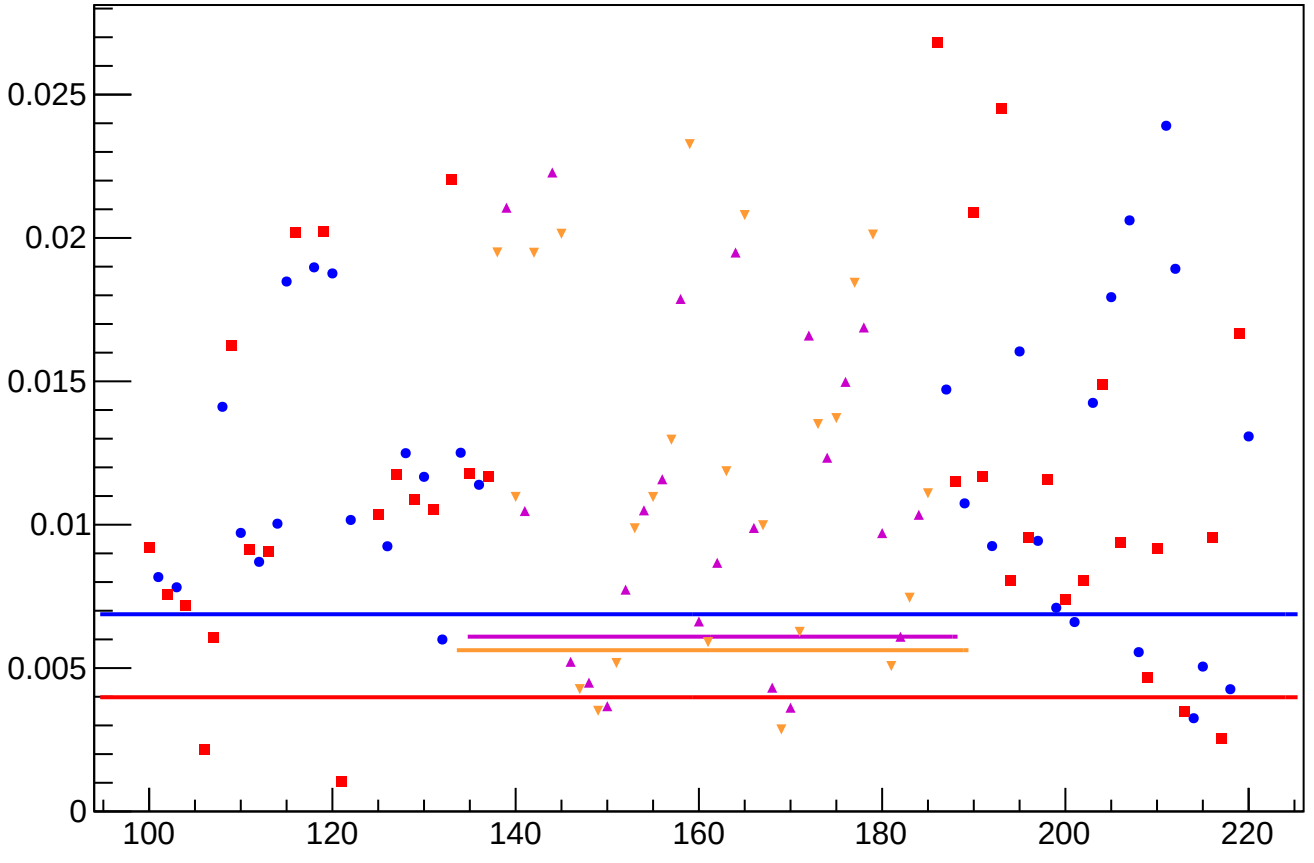
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.5/56

All: -0.000+/-0.000 χ^2/NDF: 161.3/115

- sign -0.000+/-0.000 χ^2/NDF: 83.5/58

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 9604051.7/32

Left Out: 0.006+/-0.000 χ^2/NDF:11183743.0/23

Right Out: 0.004+/-0.000 χ^2/NDF: 18561448.4/35

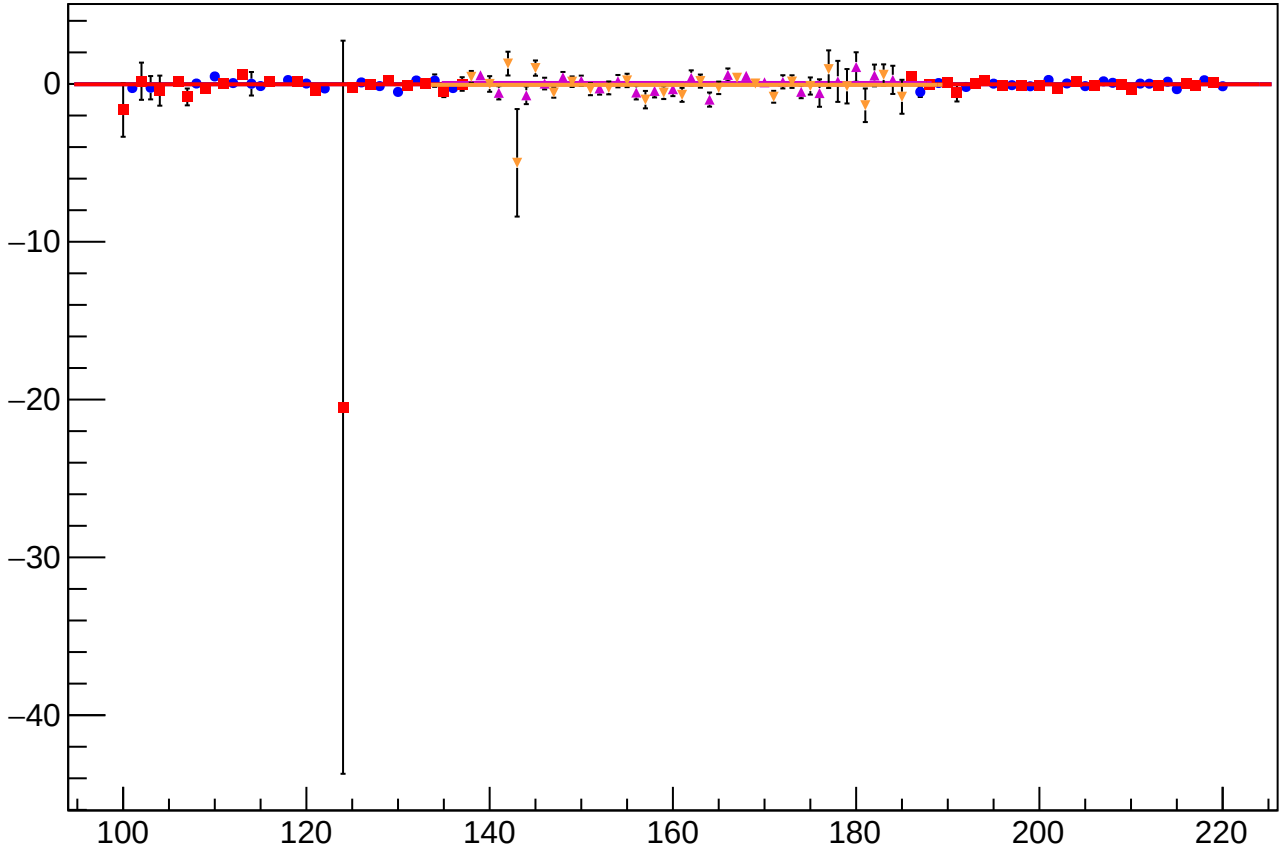
Left In: 0.006+/-0.000 χ^2/NDF:8798992.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 21331894.0/56

All: 0.005+/-0.000 χ^2/NDF: 52431774.0/115

- sign 0.005+/-0.000 χ^2/NDF: 29318466.7/58

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.031 χ^2/NDF: 41.1/32

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.021+/-0.030 χ^2/NDF: 37.4/36

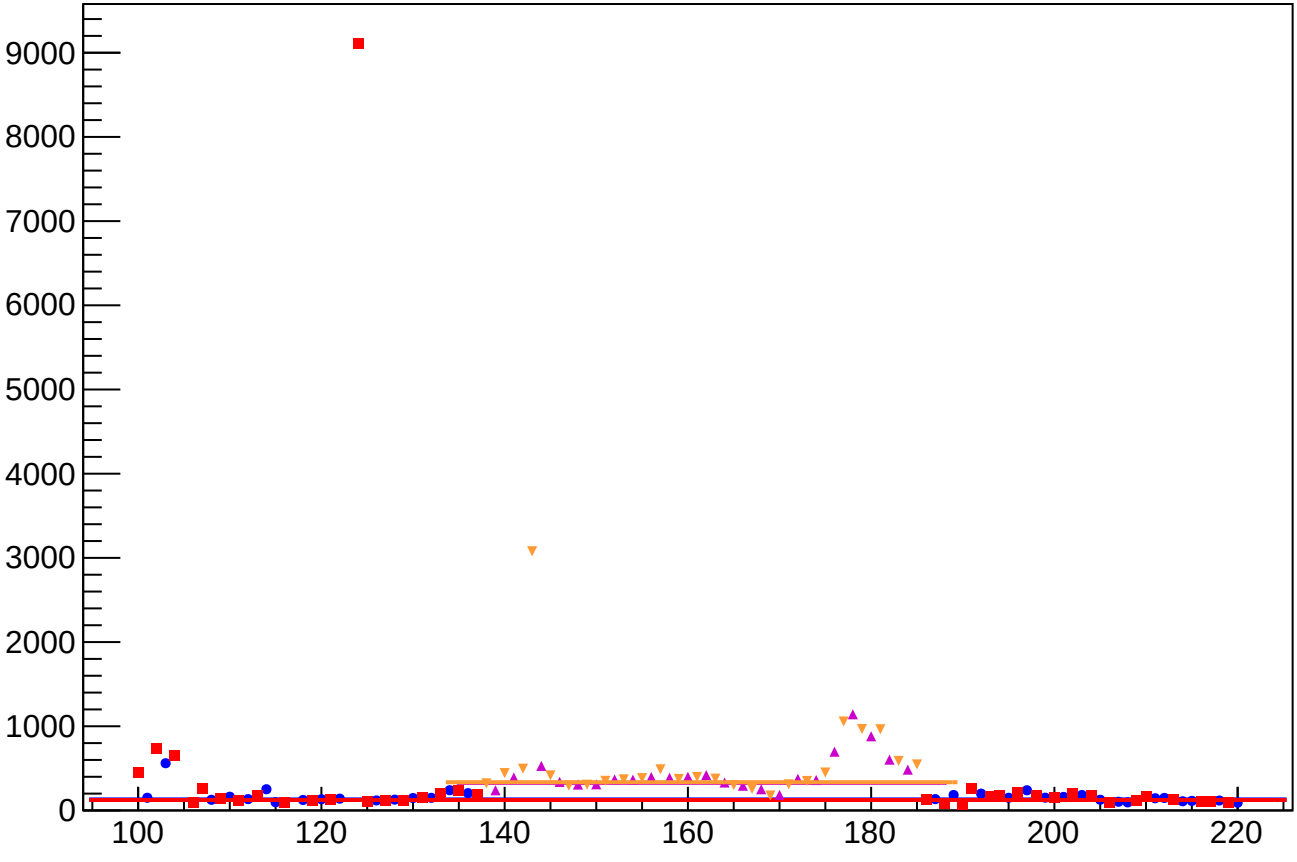
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

\+ sign -0.019+/-0.029 χ^2/NDF: 74.4/57

All: -0.015+/-0.020 χ^2/NDF: 140.8/117

\- sign -0.012+/-0.028 χ^2/NDF: 66.3/59

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 130.987+/-0.022 χ^2/NDF: 2830493.4/32

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

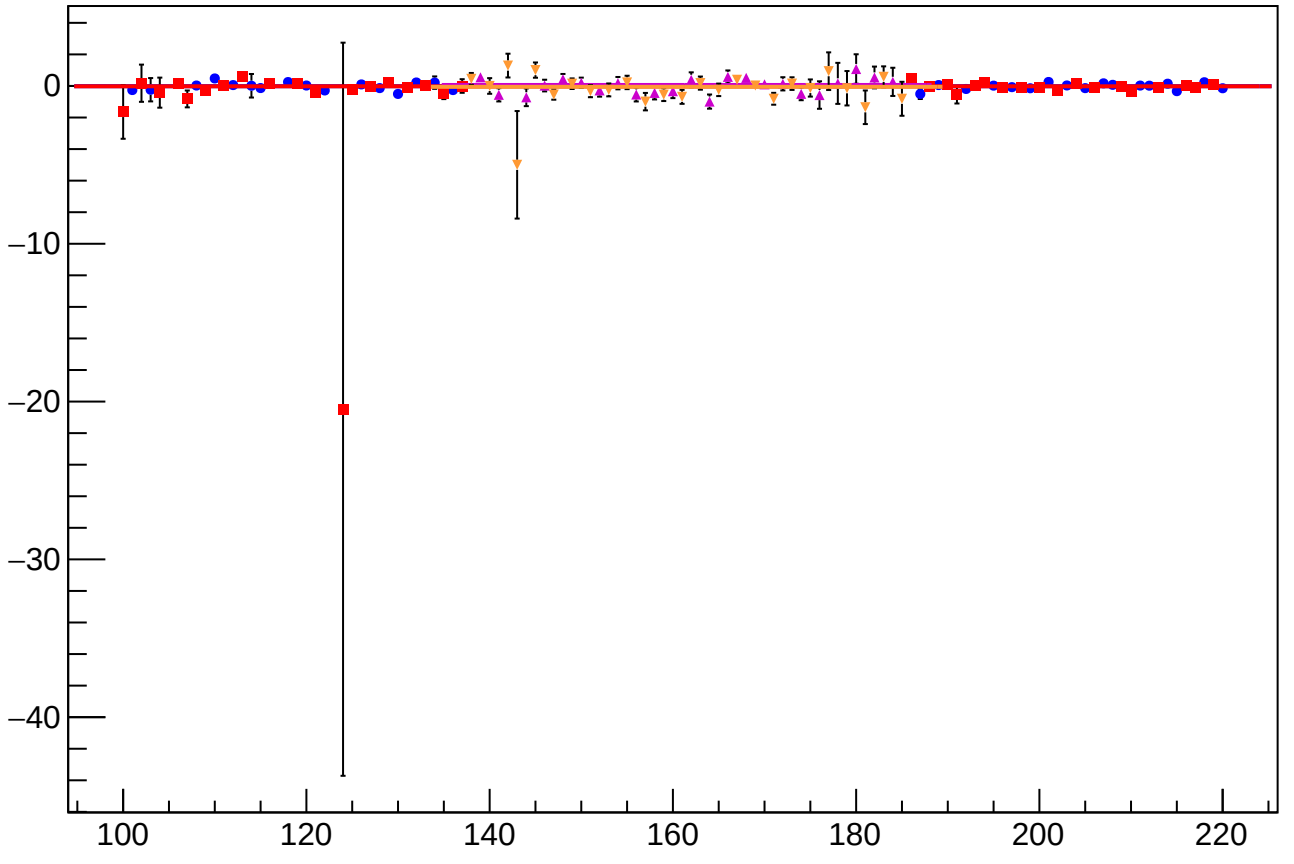
Right Out: 124.300+/-0.021 χ^2/NDF: 4536903.0/36

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 155.047+/-0.021 χ^2/NDF: 18957117.6/57

All: 151.401+/-0.014 χ^2/NDF: 38375236.9/1

- sign 147.957+/-0.020 χ^2/NDF: 19356811.4/59



Right In: -0.014+/-0.031 χ^2/NDF: 41.1/32

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.021+/-0.030 χ^2/NDF: 37.4/36

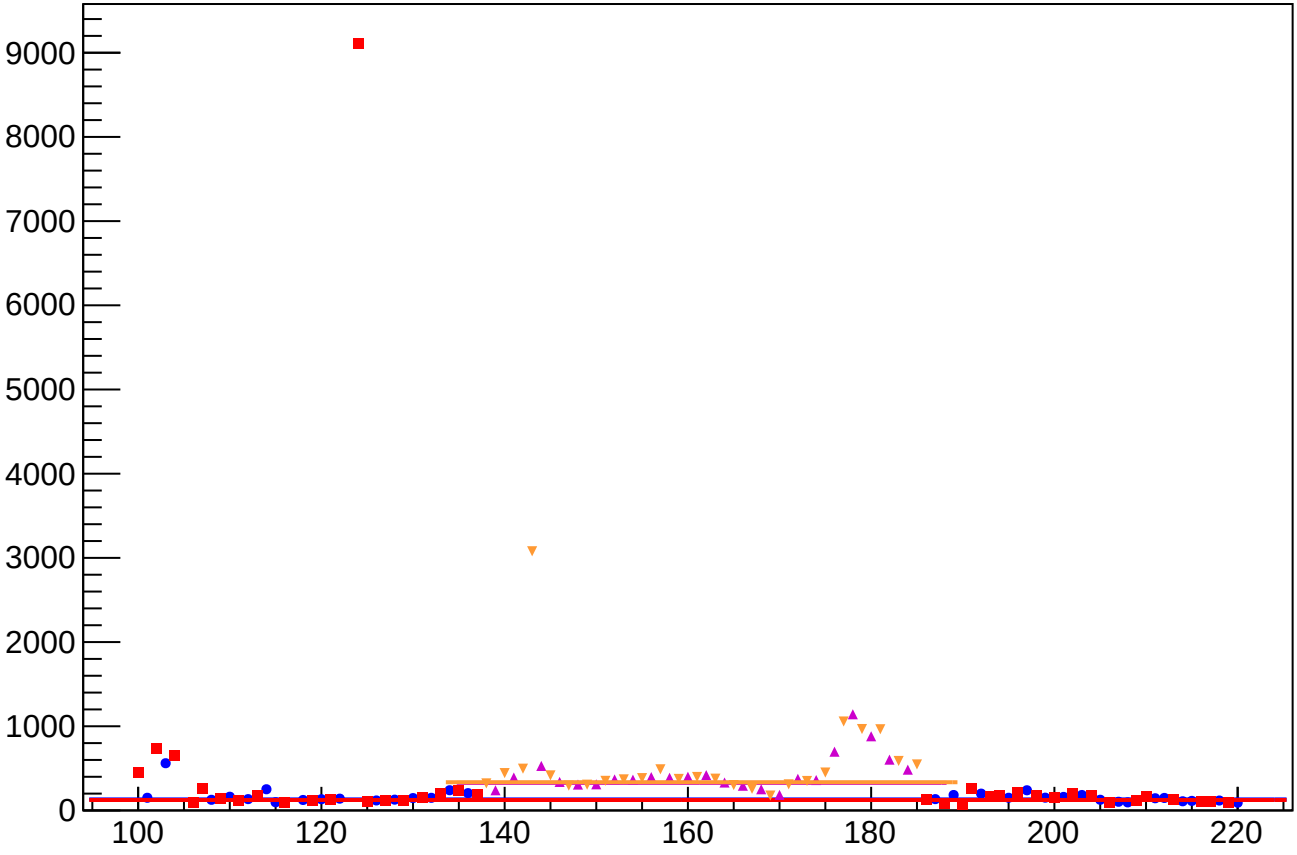
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.019+/-0.029 χ^2/NDF: 74.4/57

All: -0.015+/-0.020 χ^2/NDF: 140.8/117

- sign -0.012+/-0.028 χ^2/NDF: 66.3/59

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 130.987+/-0.022 χ^2/NDF: 2830493.4/32

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

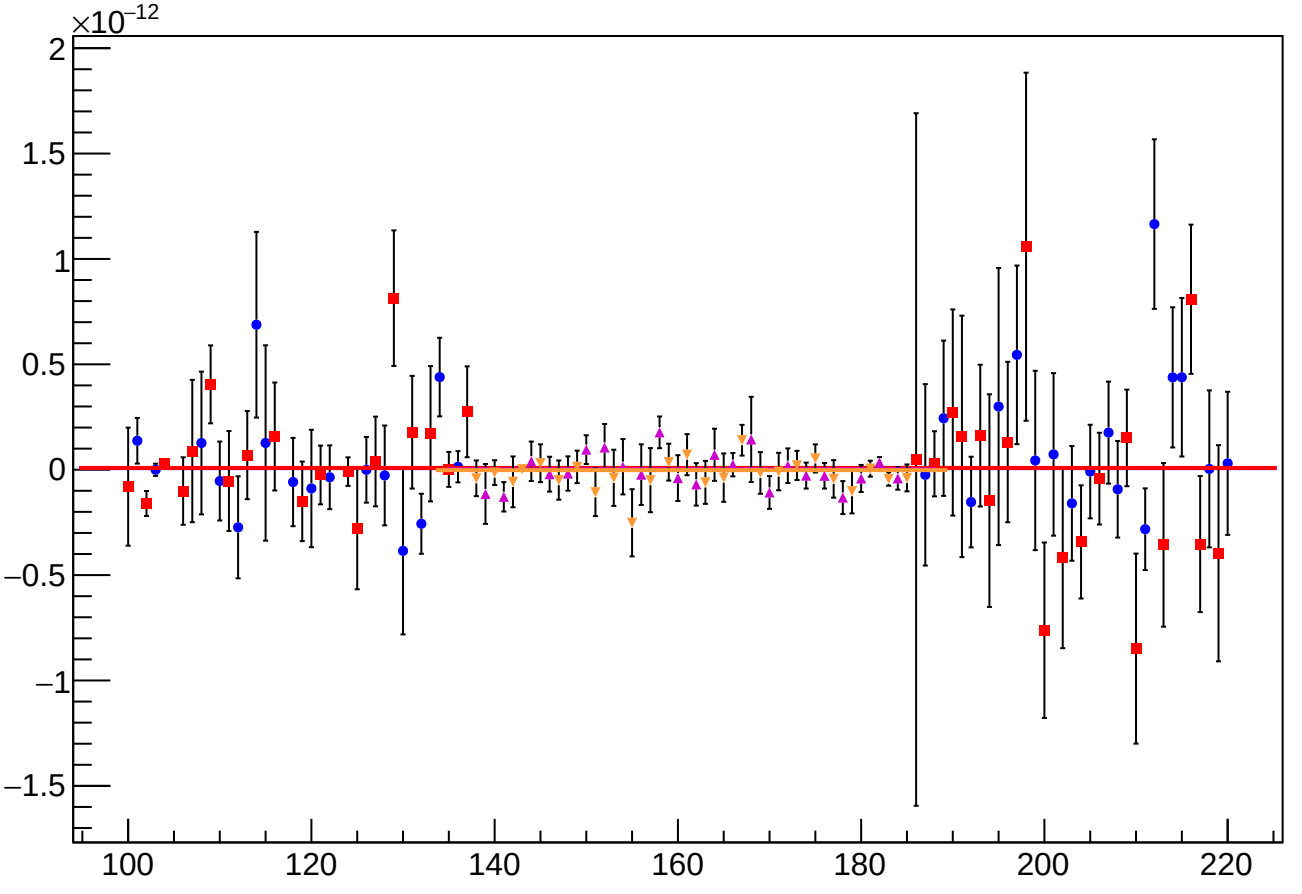
Right Out: 124.300+/-0.021 χ^2/NDF: 4536903.0/36

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 155.047+/-0.021 χ^2/NDF: 18957117.6/57

All: 151.401+/-0.014 χ^2/NDF: 38375236.9/11

- sign 147.957+/-0.020 χ^2/NDF: 19356811.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/32

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

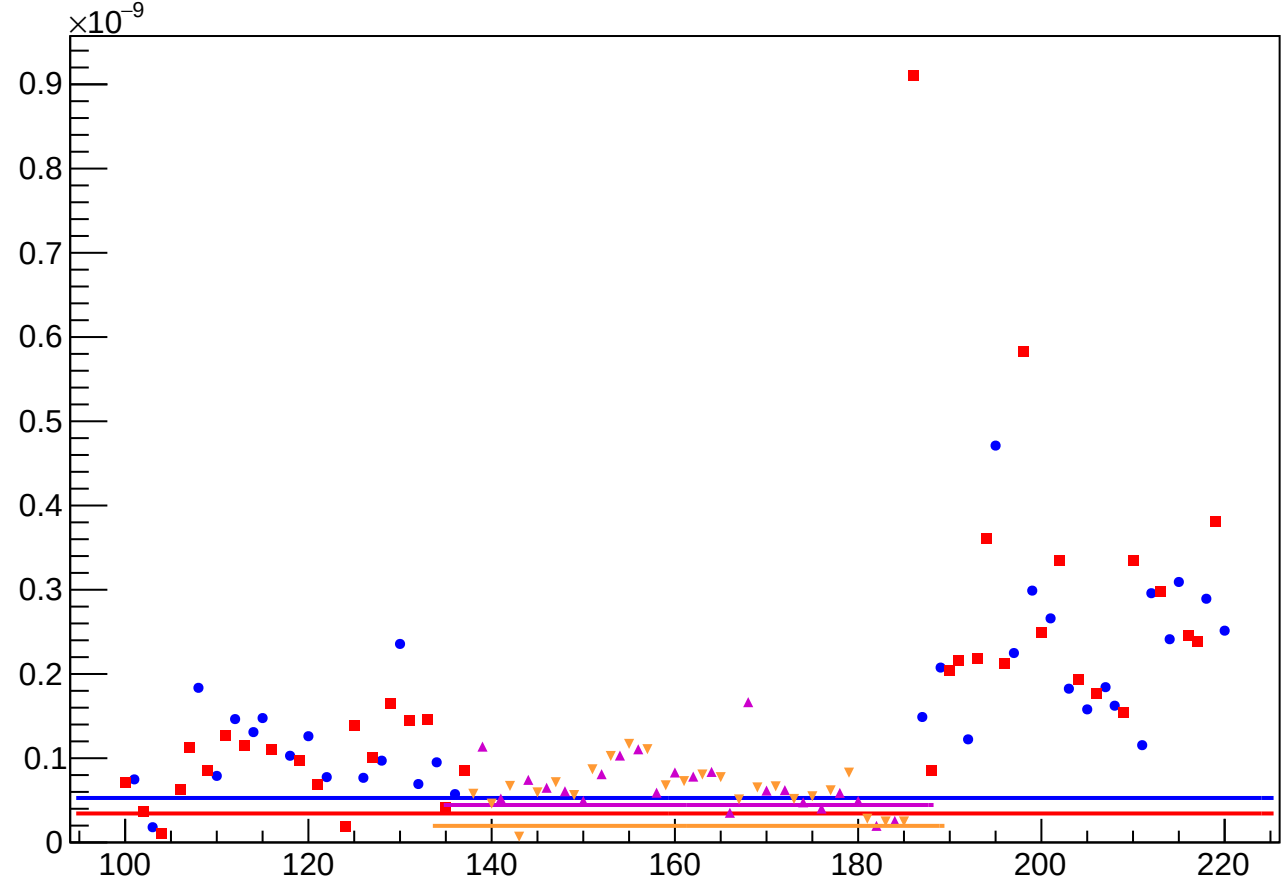
Right Out: 0.000+/-0.000 χ^2/NDF: 45.6/36

Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.8/57

All: 0.000+/-0.000 χ^2/NDF: 115.1/117

- sign 0.000+/-0.000 χ^2/NDF: 68.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 13767664.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17053704.4/36

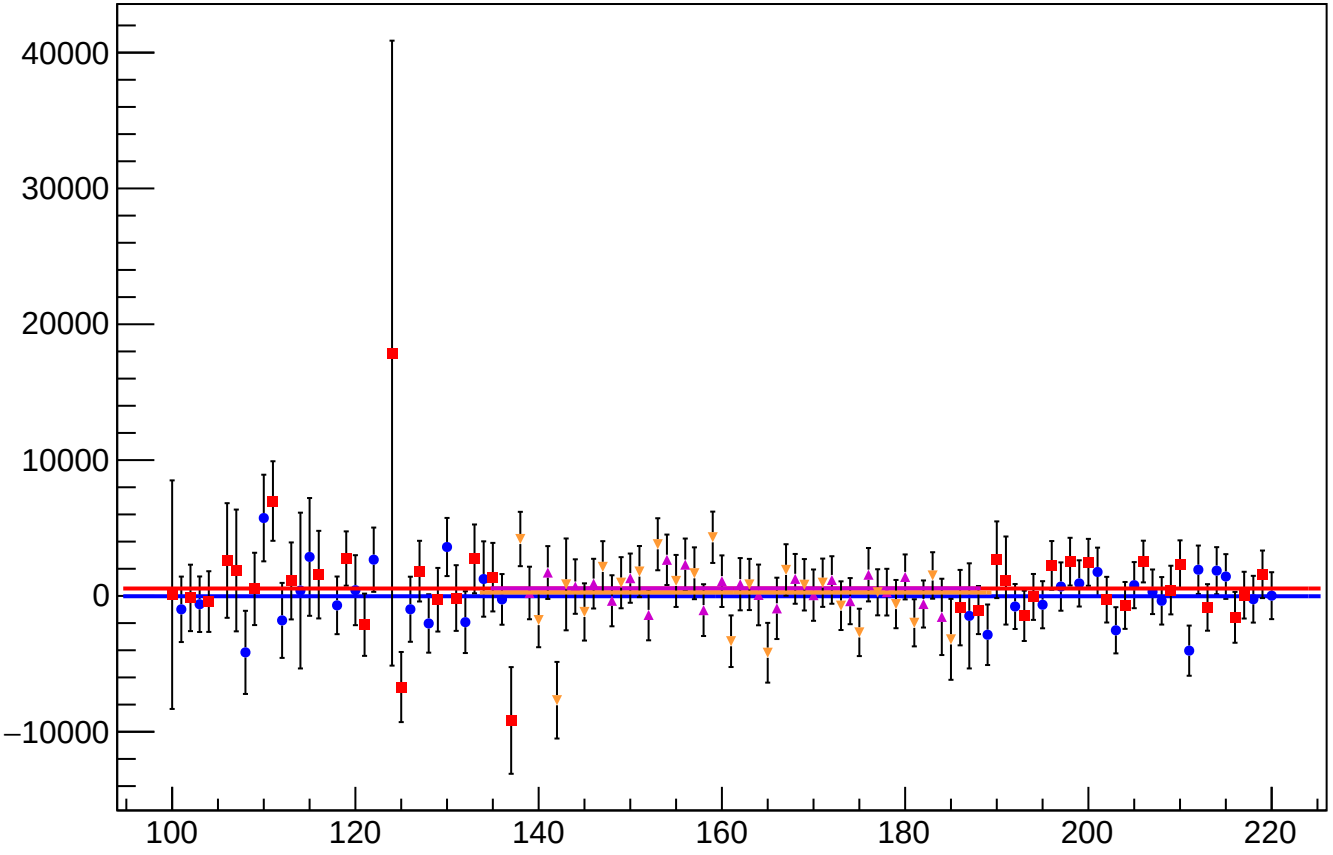
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 32400754.5/57

All: 0.000+/-0.000 χ^2/NDF: 58891956.4/117

- sign 0.000+/-0.000 χ^2/NDF: 23359123.9/59

reg_asym_atl_dd_mean vs Slug



Right In: -23.207+/-355.445 χ^2/NDF: 26.4/32

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 546.599+/-357.889 χ^2/NDF: 36.3/36

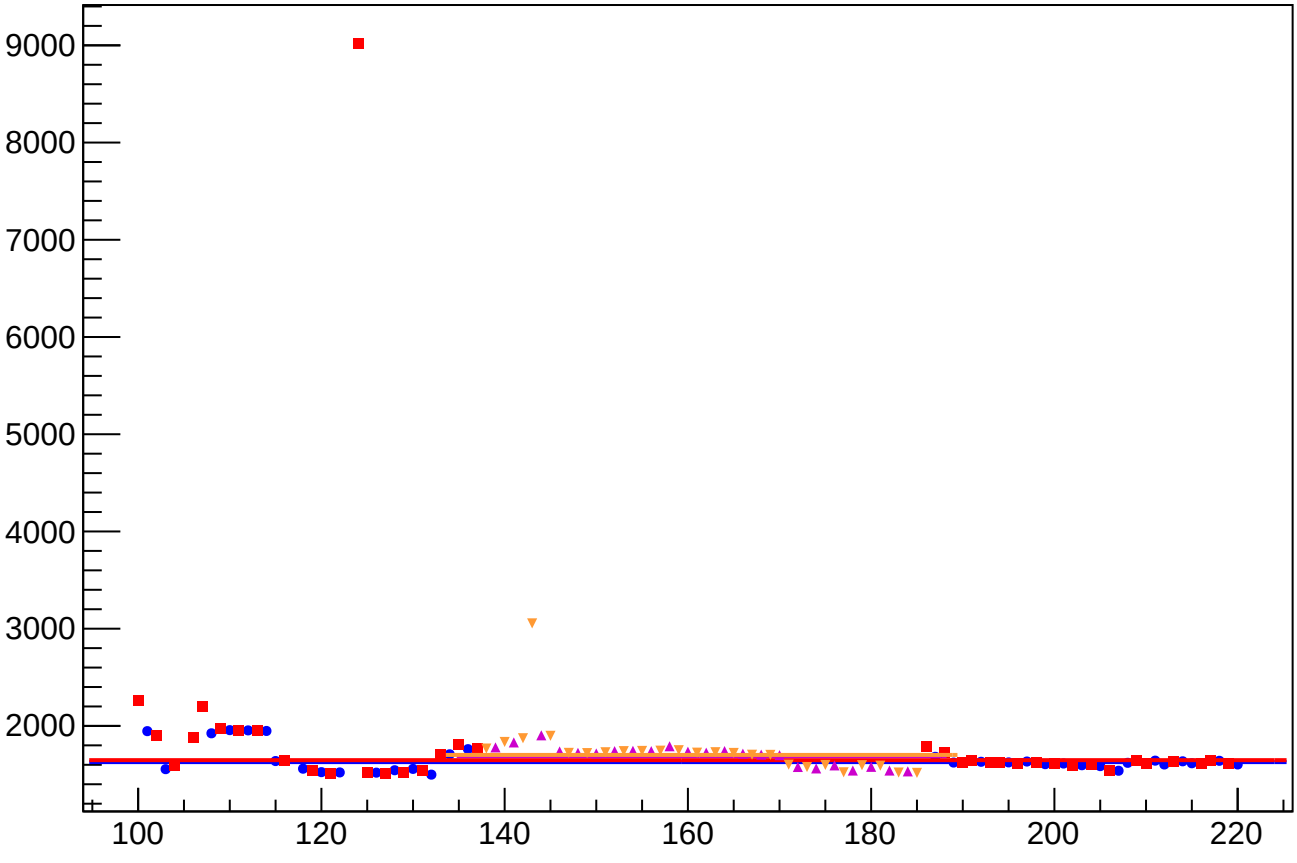
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 100.363+/-262.347 χ^2/NDF: 66.2/57

All: 324.009+/-186.526 χ^2/NDF: 111.5/117

- sign 552.637+/-265.252 χ^2/NDF: 43.8/59

reg_asym_atl_dd_rms vs Slug



Right In: 1627.722+/-0.251 χ^2/NDF: 158318.6/32

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

Right Out: 1647.784+/-0.253 χ^2/NDF: 424771.5/36

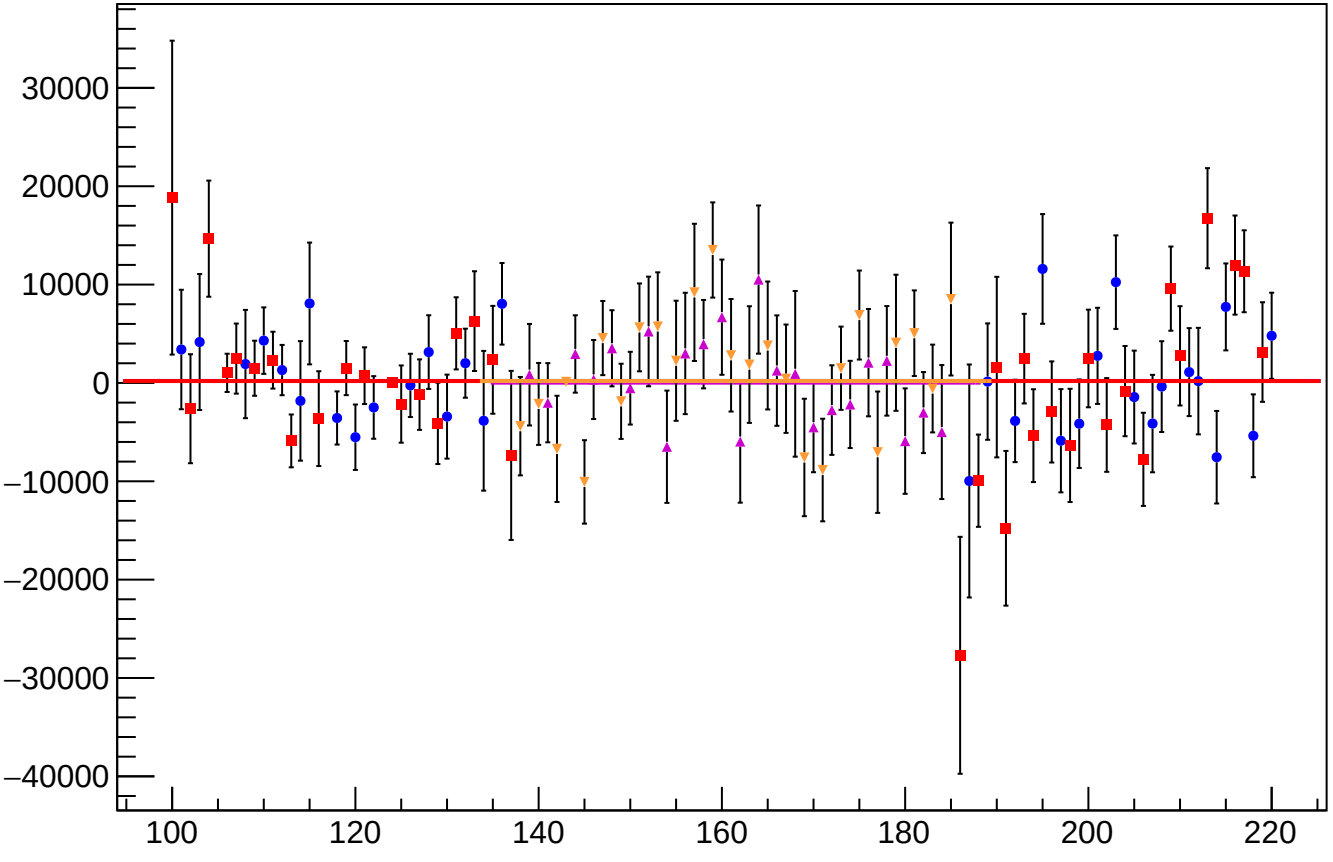
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1661.346+/-0.186 χ^2/NDF: 650011.5/57

All: 1663.870+/-0.132 χ^2/NDF: 1209596.3/11

- sign 1666.446+/-0.187 χ^2/NDF: 559210.8/59

asym_atl_dd_reg_correction_mean vs Slug



Right In: 201.119+/-745.170 χ^2/NDF: 37.5/32

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: 192.101+/-312.660 χ^2/NDF: 70.5/36

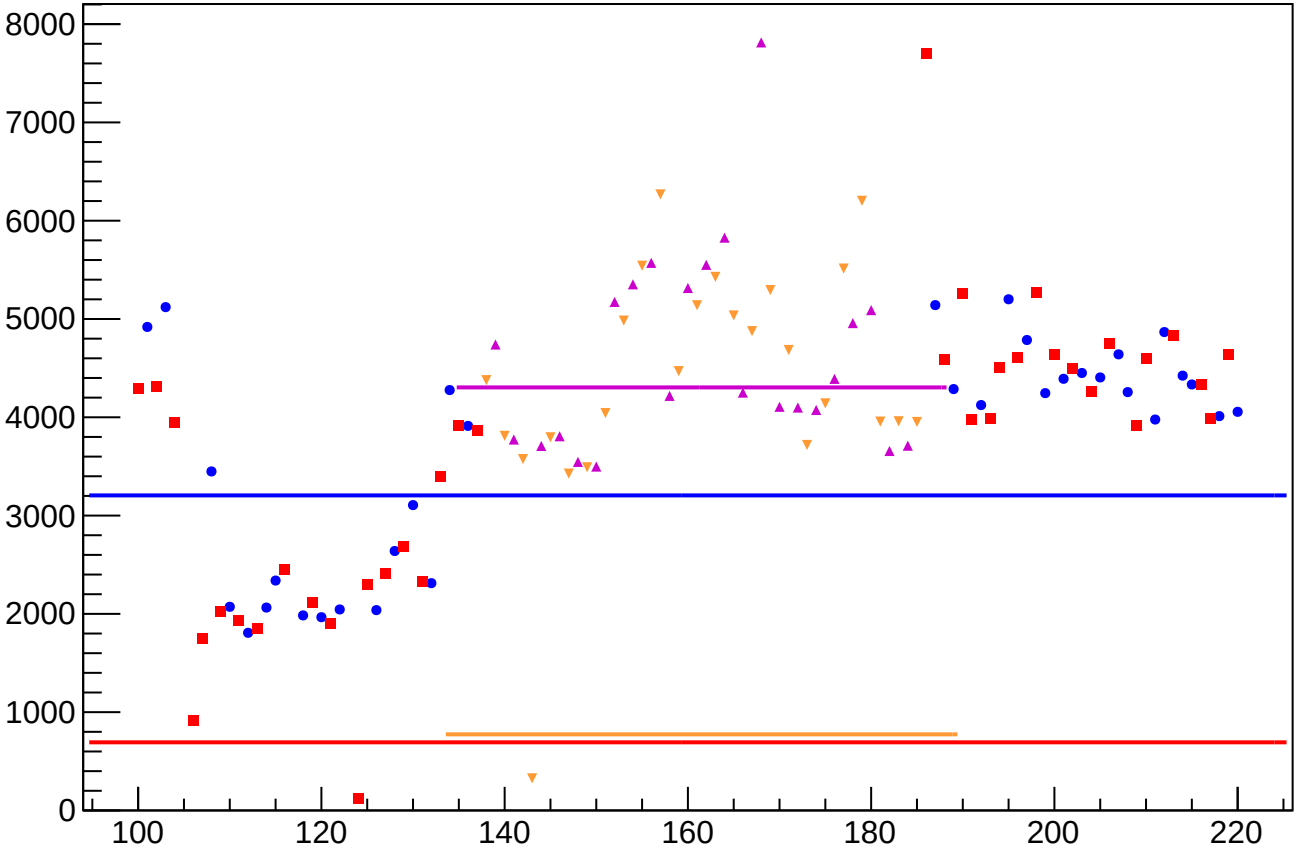
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 194.835+/-311.675 χ^2/NDF: 71.4/57

All: 186.177+/-215.793 χ^2/NDF: 155.2/117

- sign 178.206+/-299.069 χ^2/NDF: 83.8/59

asym_atl_dd_reg_correction_rms vs Slug



Right In: 3205.302+/-0.527 χ^2/NDF: 4822175.0/32

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 693.091+/-0.221 χ^2/NDF: 32541297.9/36

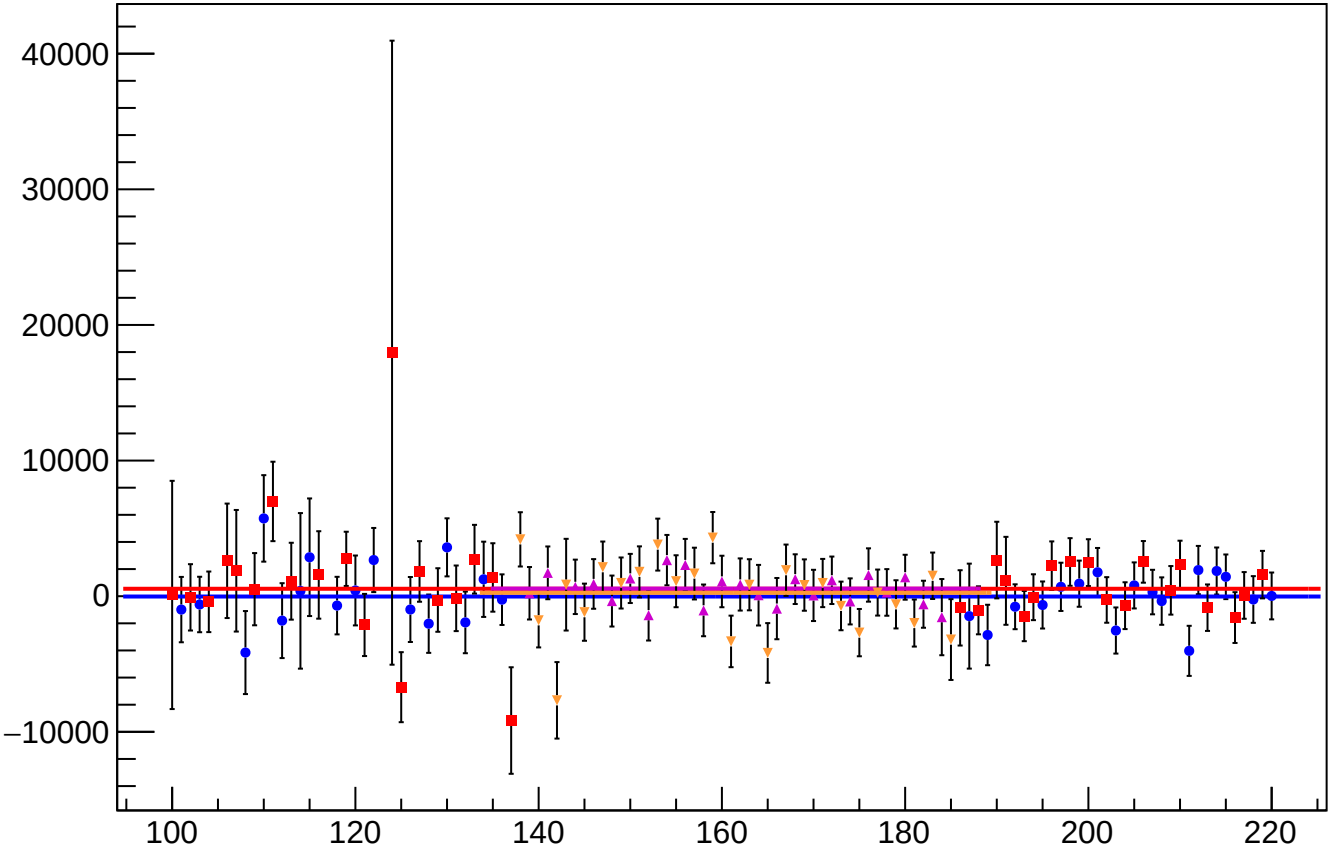
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1199.529+/-0.220 χ^2/NDF: 50470775.2/57

All: 1095.756+/-0.153 χ^2/NDF: 107342999.2

- sign 1000.208+/-0.211 χ^2/NDF: 56446367.5/59

cor_asym_atl_dd_mean vs Slug



Right In: -23.156+/-355.445 χ^2/NDF: 26.4/32

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 547.978+/-357.890 χ^2/NDF: 36.3/36

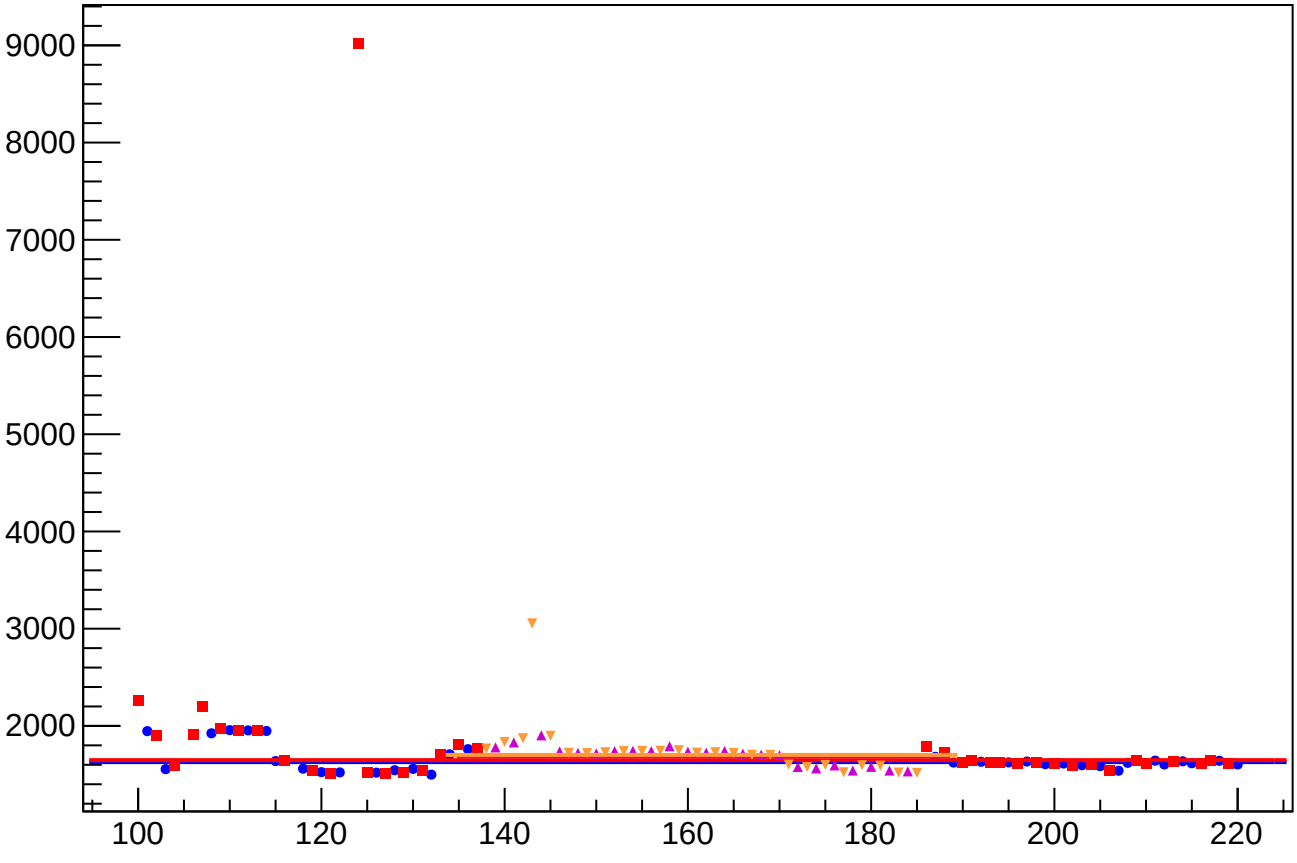
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 100.383+/-262.347 χ^2/NDF: 66.2/57

All: 324.386+/-186.526 χ^2/NDF: 111.5/117

- sign 553.378+/-265.252 χ^2/NDF: 43.8/59

cor_asym_atl_dd_rms vs Slug



Right In: 1627.722+/-0.251 χ^2/NDF: 158318.6/32

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

Right Out: 1648.024+/-0.253 χ^2/NDF: 426902.3/36

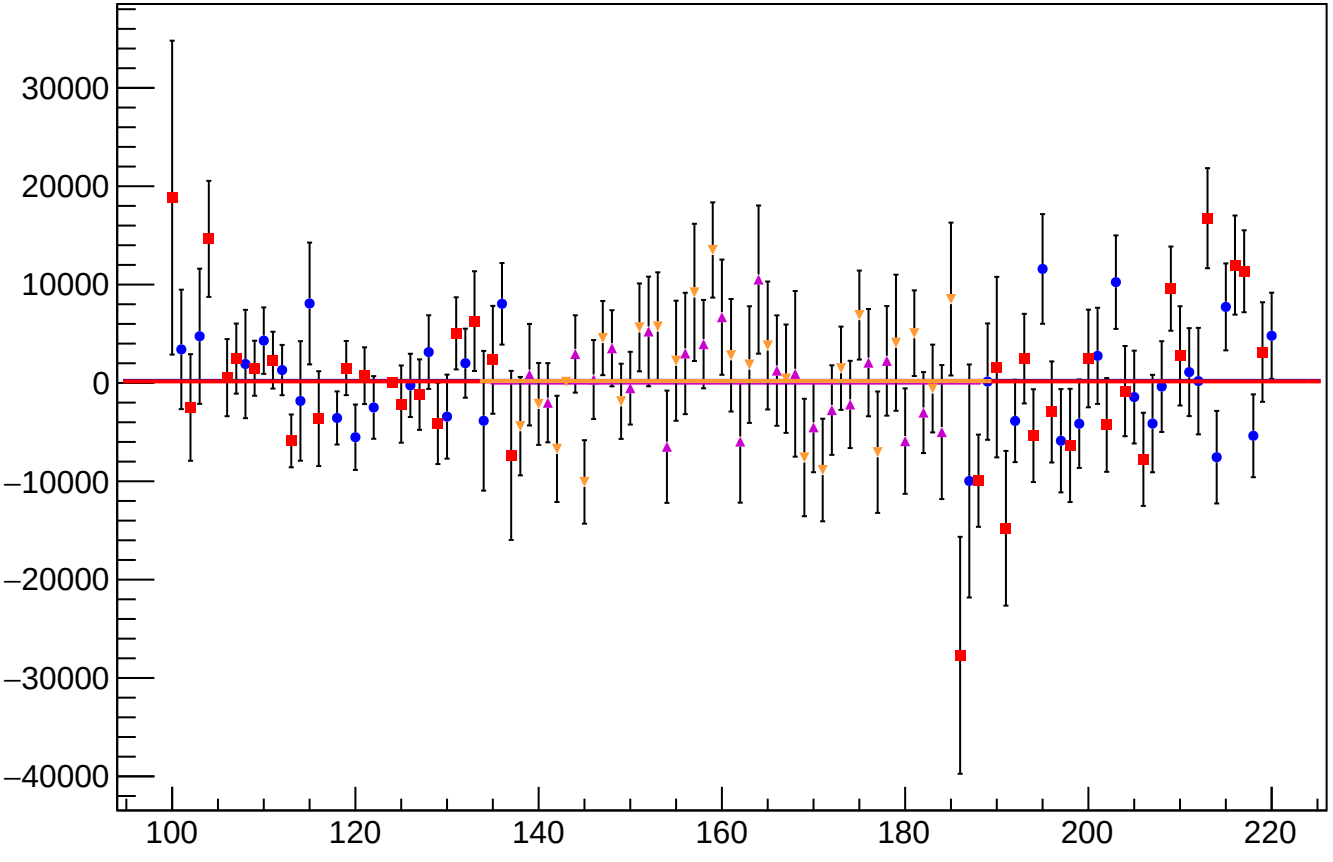
Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1661.346+/-0.186 χ^2/NDF: 650011.5/57

All: 1663.937+/-0.132 χ^2/NDF: 1211605.9/11

- sign 1666.581+/-0.187 χ^2/NDF: 561200.3/59

asym_atl_dd_cor_correction_mean vs Slug



Right In: 208.729+/-745.114 χ^2/NDF: 37.6/32

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 157.873+/-305.473 χ^2/NDF: 70.3/36

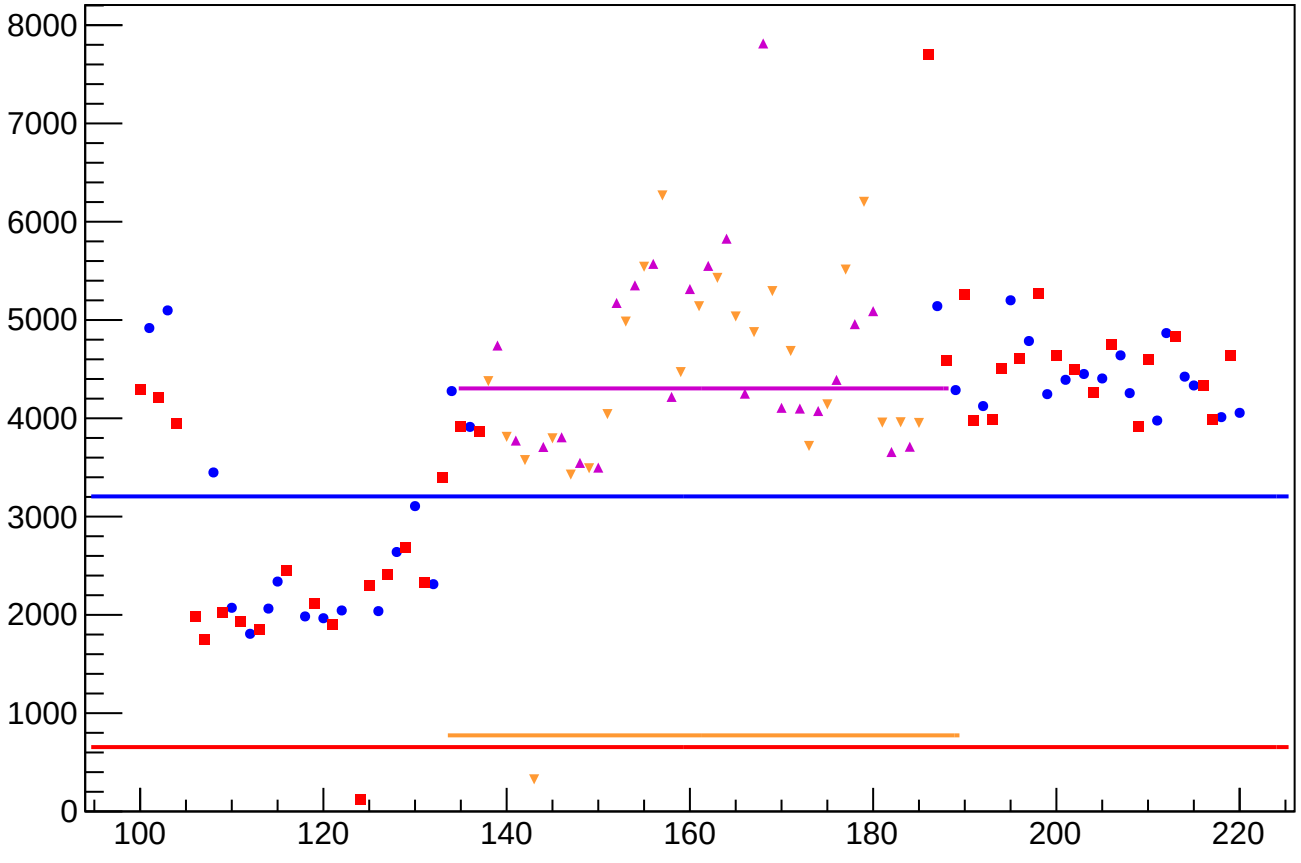
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 196.507+/-311.653 χ^2/NDF: 71.5/57

All: 170.394+/-213.379 χ^2/NDF: 155.1/117

- sign 147.351+/-292.760 χ^2/NDF: 83.6/59

asym_atl_dd_cor_correction_rms vs Slug



Right In: 3205.287+/-0.527 χ^2/NDF: 4820238.9/32

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 654.837+/-0.216 χ^2/NDF: 33244126.9/36

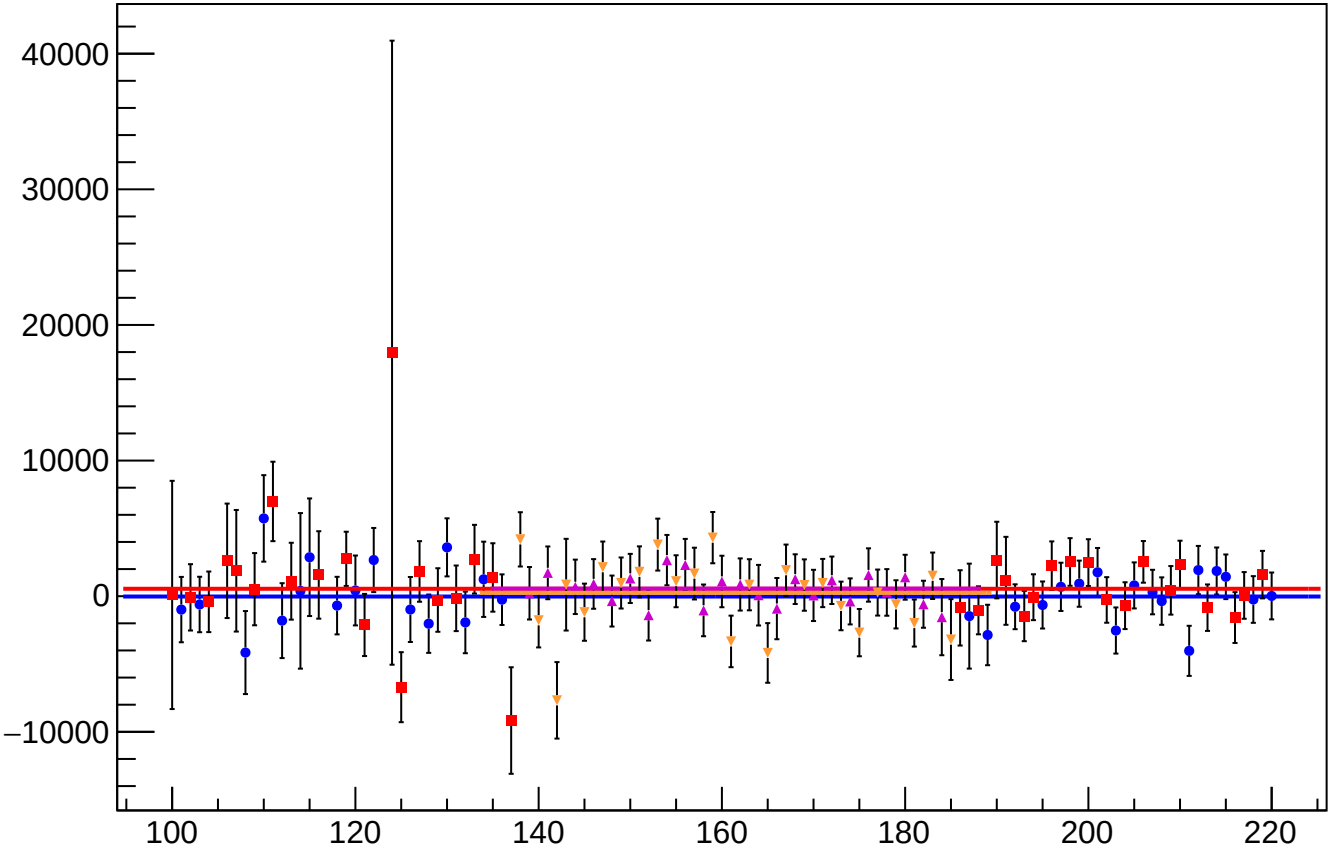
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1199.456+/-0.220 χ^2/NDF: 50473355.5/57

All: 1068.134+/-0.151 χ^2/NDF: 108864185.9/

- sign 952.252+/-0.207 χ^2/NDF: 57722364.2/59

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -23.156+/-355.445 χ^2/NDF: 26.4/32

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 547.978+/-357.890 χ^2/NDF: 36.3/36

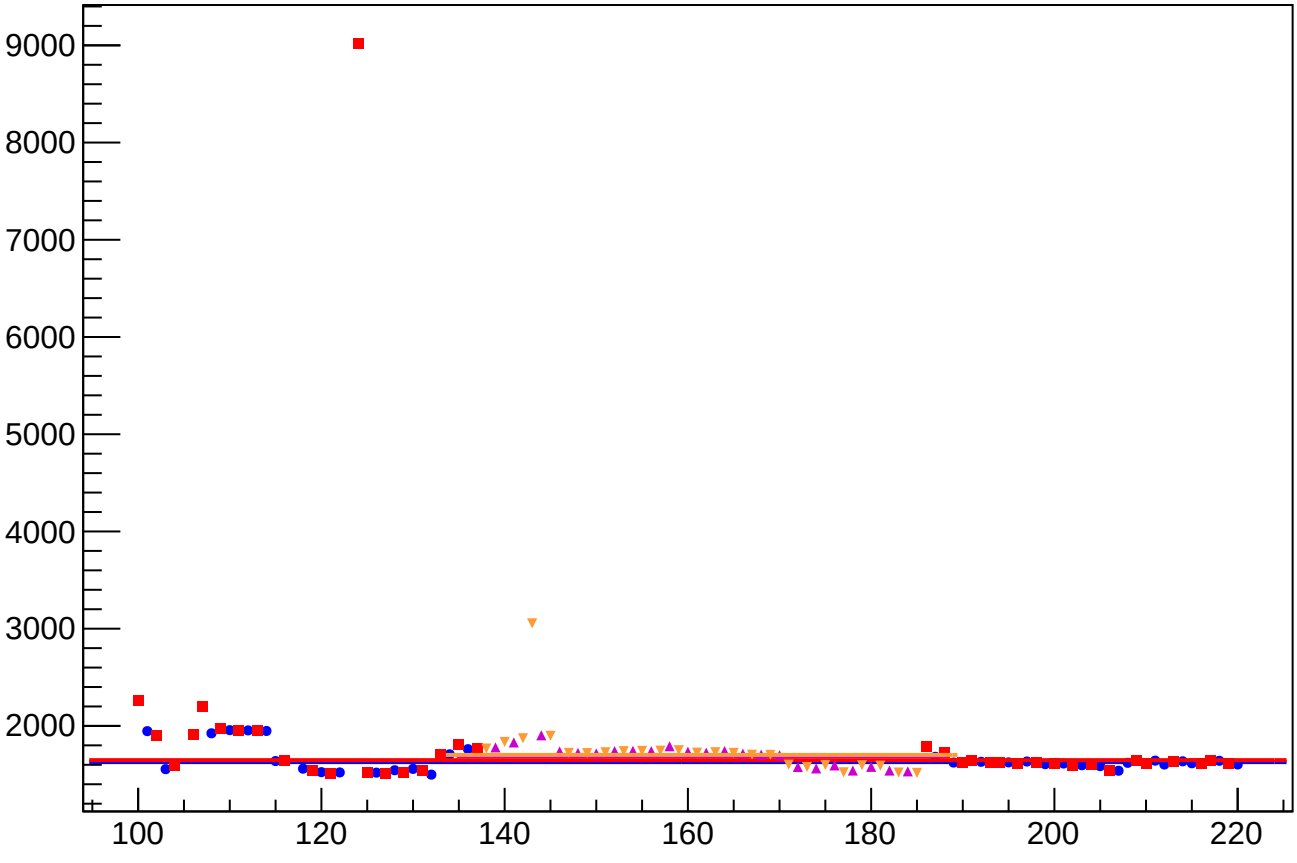
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 100.383+/-262.347 χ^2/NDF: 66.2/57

All: 324.386+/-186.526 χ^2/NDF: 111.5/117

- sign 553.378+/-265.252 χ^2/NDF: 43.8/59

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1627.722+/-0.251 χ^2/NDF: 158318.6/32

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

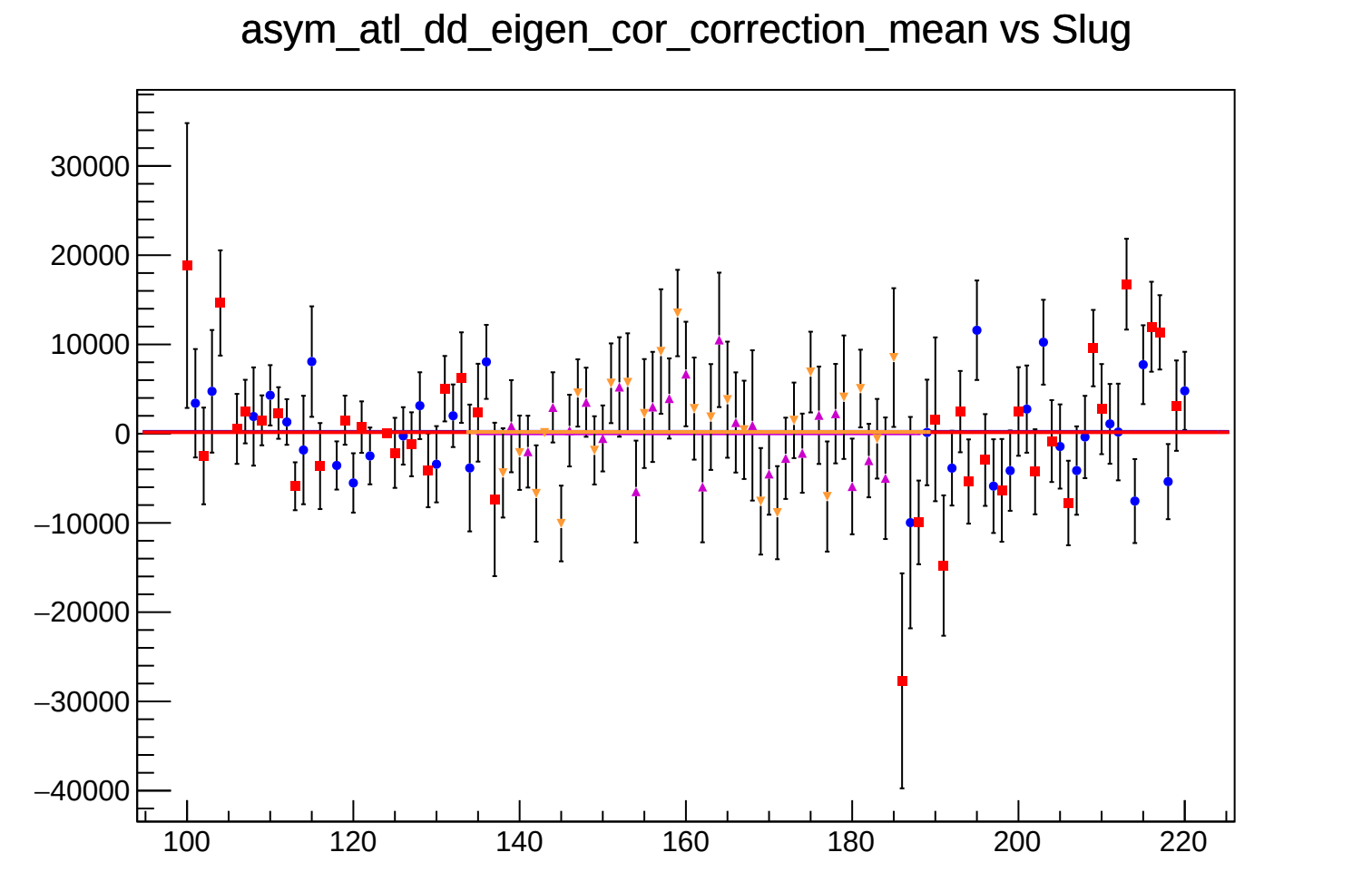
Right Out: 1648.024+/-0.253 χ^2/NDF: 426902.3/36

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1661.346+/-0.186 χ^2/NDF: 650011.5/57

All: 1663.937+/-0.132 χ^2/NDF: 1211605.9/11

- sign 1666.581+/-0.187 χ^2/NDF: 561200.3/59



Right In: 208.729+/-745.114 χ^2/NDF: 37.6/32

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: 157.873+/-305.473 χ^2/NDF: 70.3/36

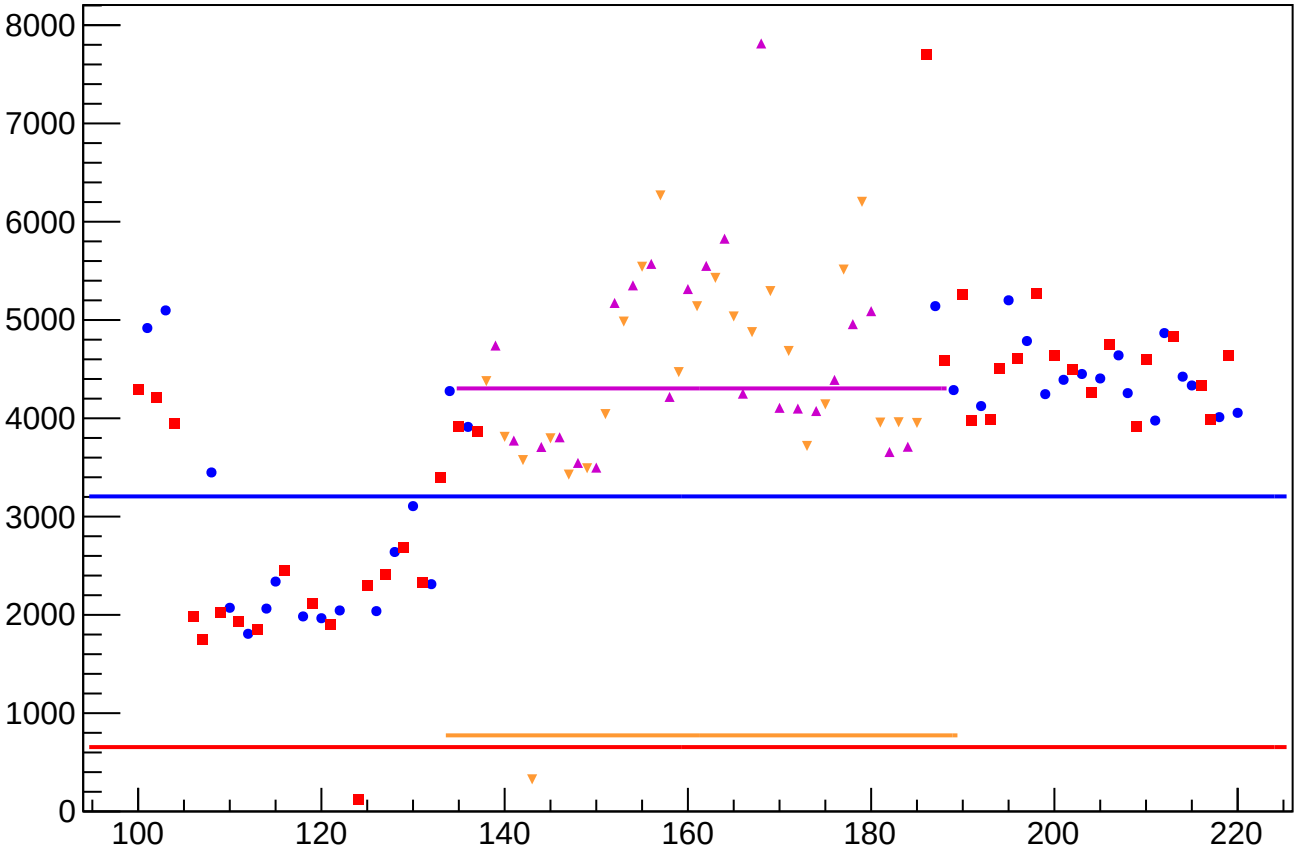
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 196.507+/-311.653 χ^2/NDF: 71.5/57

All: 170.394+/-213.379 χ^2/NDF: 155.1/117

- sign 147.351+/-292.760 χ^2/NDF: 83.6/59

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 3205.287+/-0.527 χ^2/NDF: 4820238.9/32

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 654.837+/-0.216 χ^2/NDF: 33244126.9/36

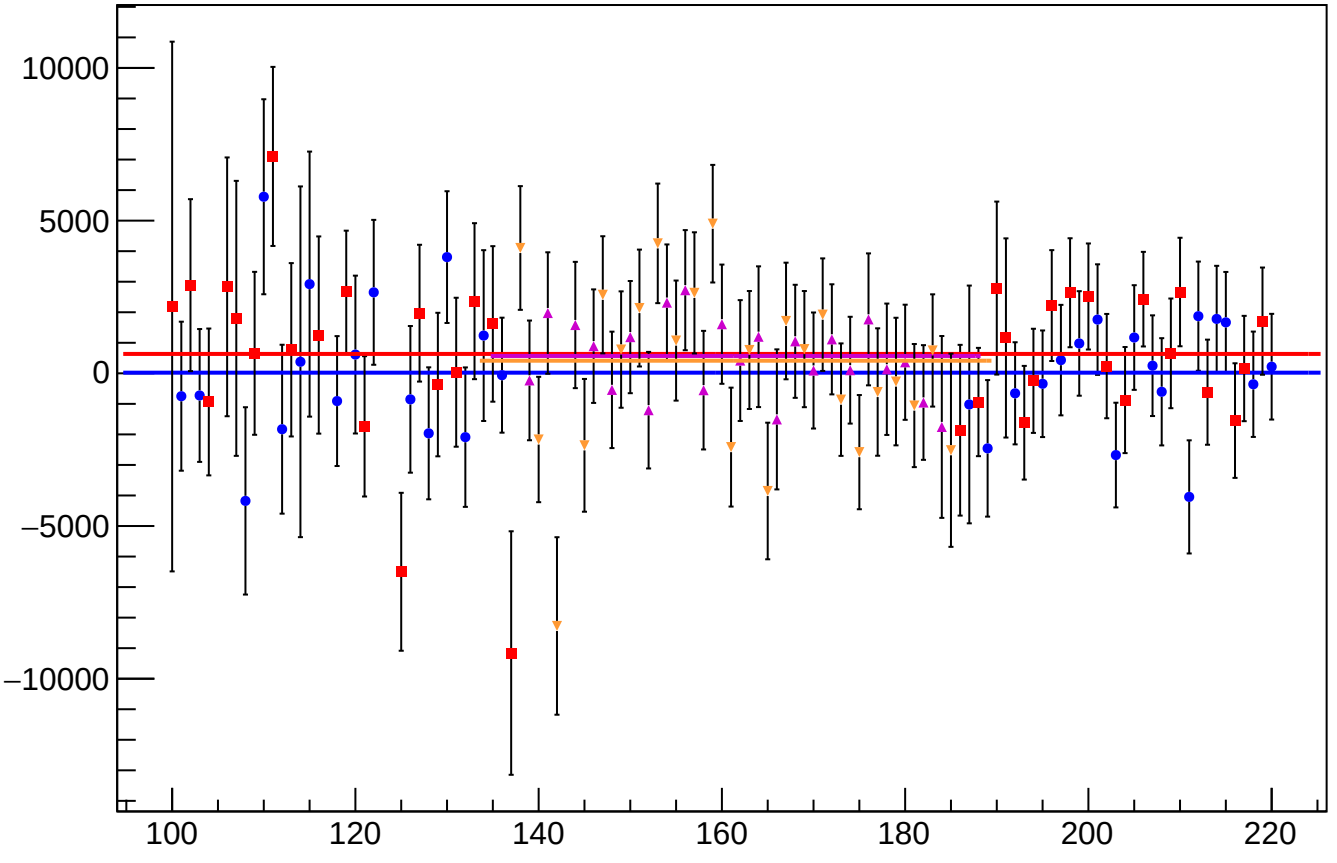
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1199.456+/-0.220 χ^2/NDF: 50473355.5/57

All: 1068.134+/-0.151 χ^2/NDF: 108864185.9/

- sign 952.252+/-0.207 χ^2/NDF: 57722364.2/59

dit_asym_atl_dd_mean vs Slug



Right In: 21.294+/-358.068 χ^2/NDF: 26.7/32

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 635.157+/-361.594 χ^2/NDF: 36.2/35

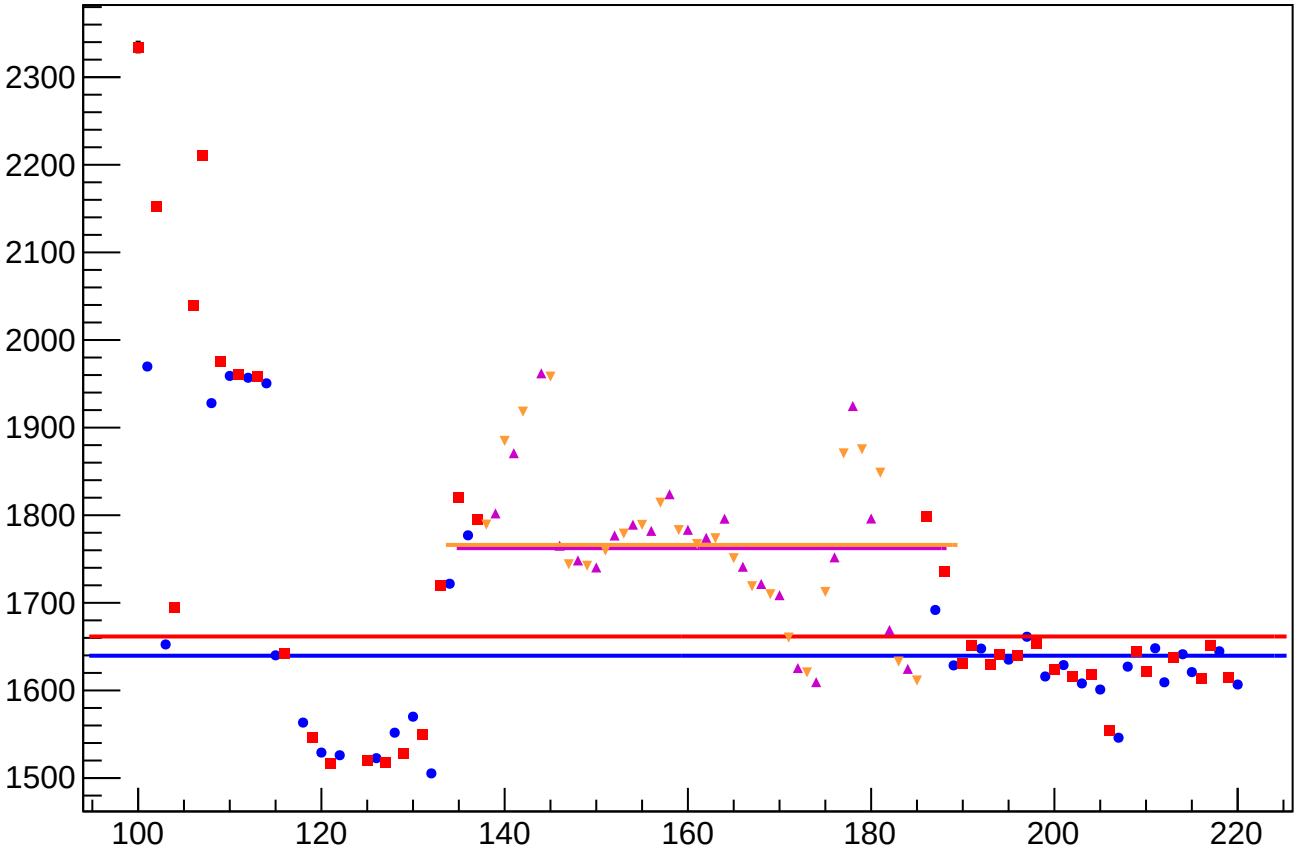
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 190.665+/-269.848 χ^2/NDF: 67.2/56

All: 396.996+/-191.492 χ^2/NDF: 112.3/115

- sign 606.298+/-271.784 χ^2/NDF: 43.9/58

dit_asym_atl_dd_rms vs Slug



Right In: 1639.633+/-0.253 χ^2/NDF: 157865.6/32

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1661.586+/-0.255 χ^2/NDF: 270213.6/35

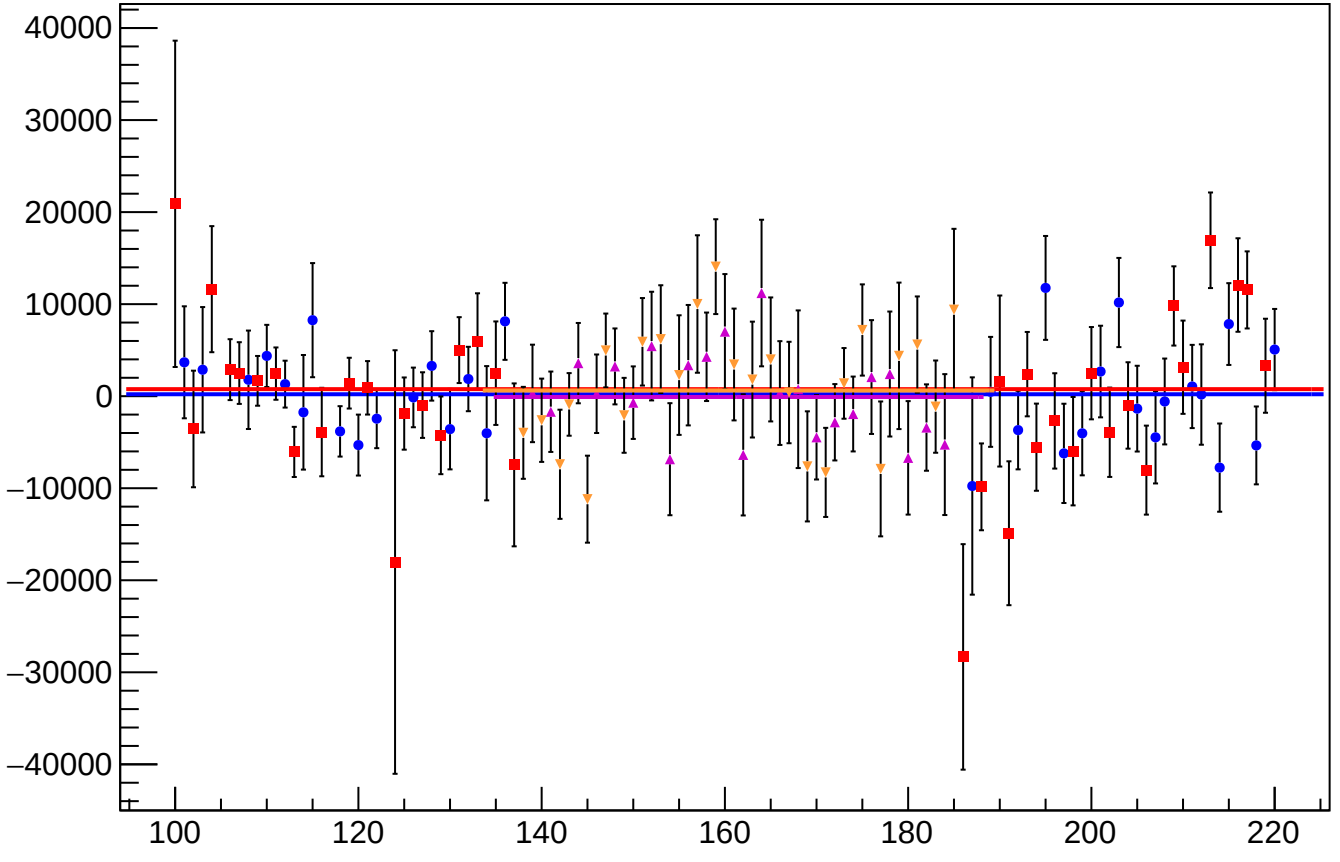
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1694.280+/-0.191 χ^2/NDF: 348937.6/56

All: 1699.808+/-0.135 χ^2/NDF: 768617.9/115

- sign 1705.412+/-0.192 χ^2/NDF: 417990.0/58

asym_atl_dd_dit_correction_mean vs Slug



Right In: 210.430+/-750.113 χ^2/NDF: 37.5/32

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: 765.444+/-715.732 χ^2/NDF: 67.9/36

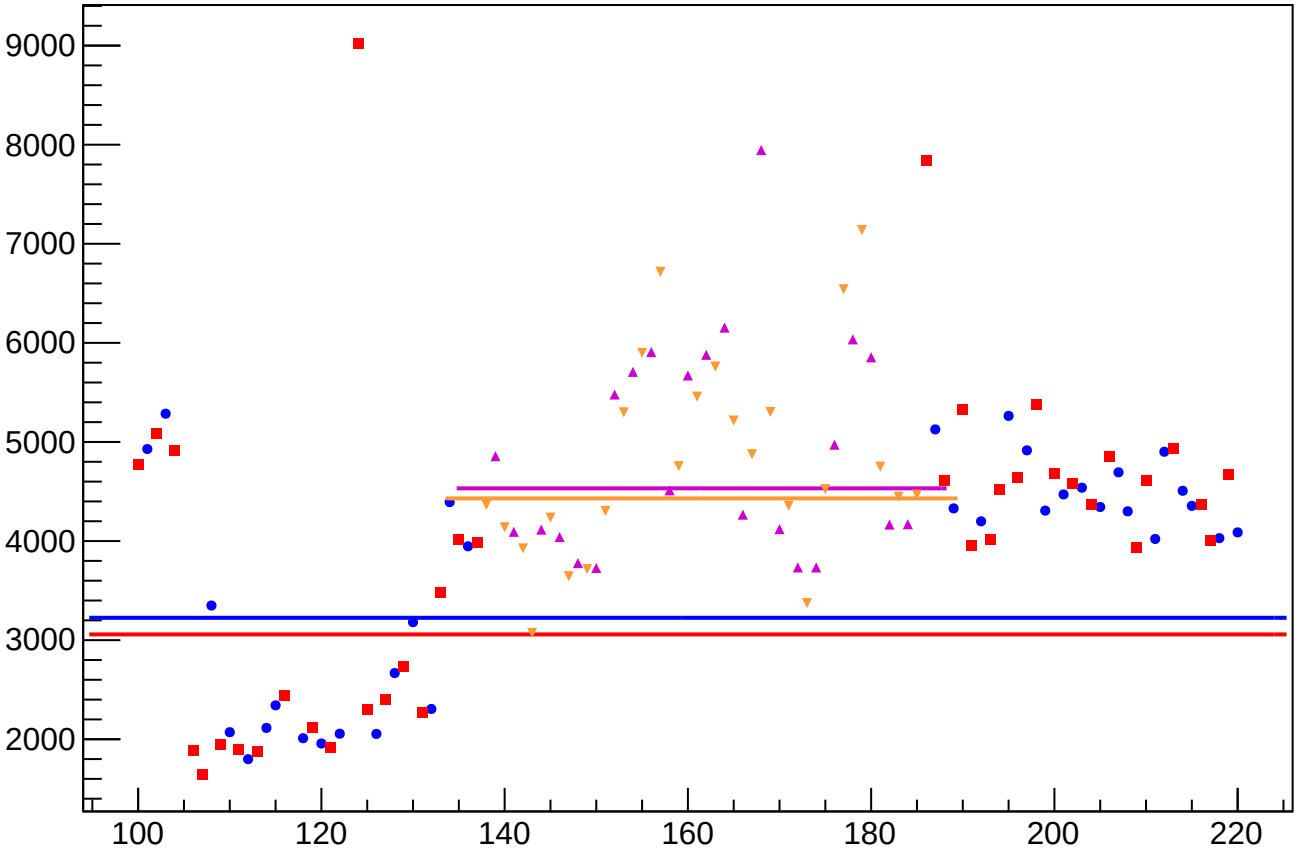
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 351.419+/-607.303 χ^2/NDF: 70.6/57

All: 430.332+/-425.751 χ^2/NDF: 151.9/117

- sign 506.599+/-597.032 χ^2/NDF: 81.2/59

asym_atl_dd_dit_correction_rms vs Slug



Right In: 3225.650+/-0.530 χ^2/NDF: 4945280.7/32

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

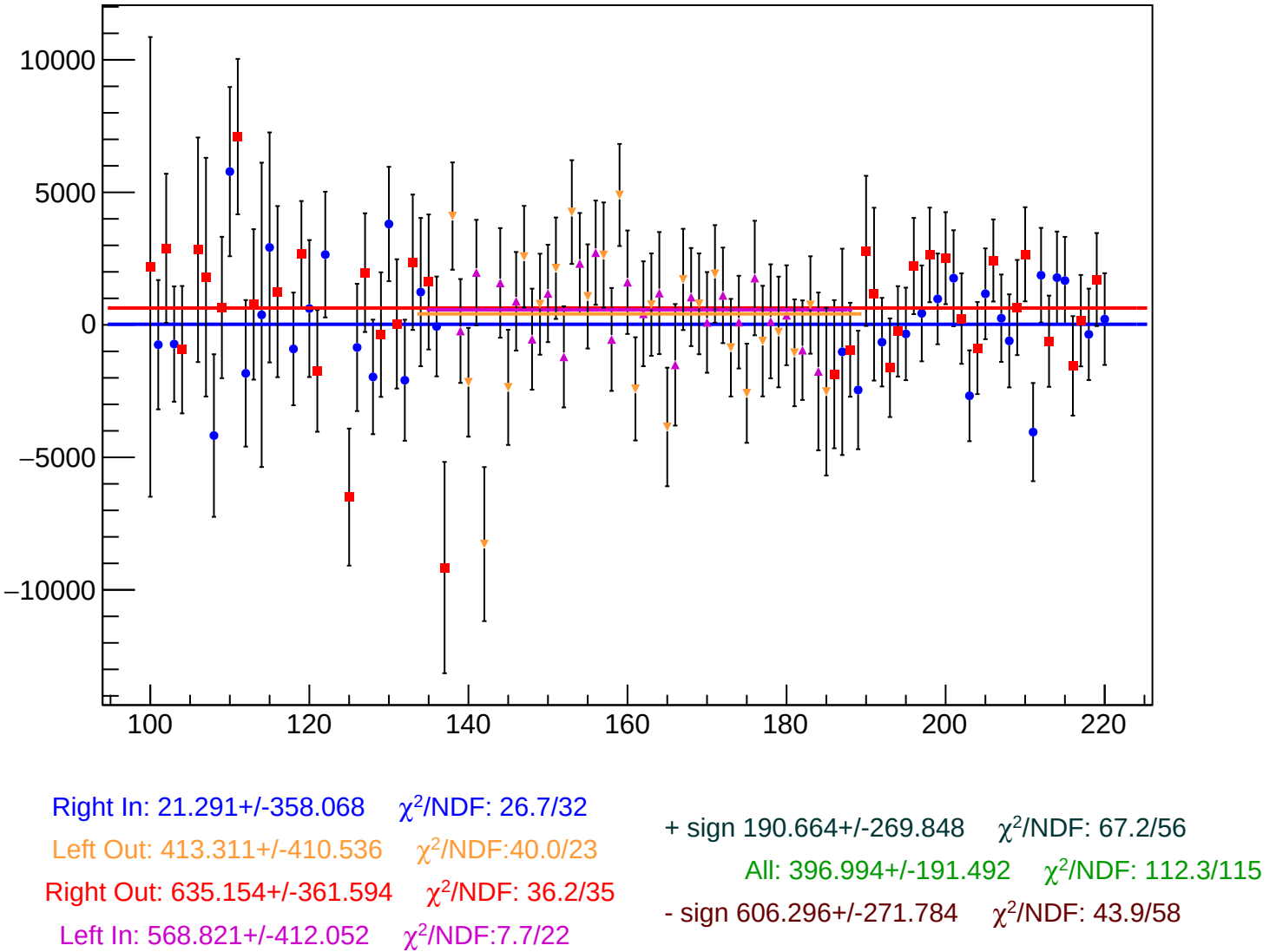
Right Out: 3057.922+/-0.506 χ^2/NDF: 6325657.7/36

Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

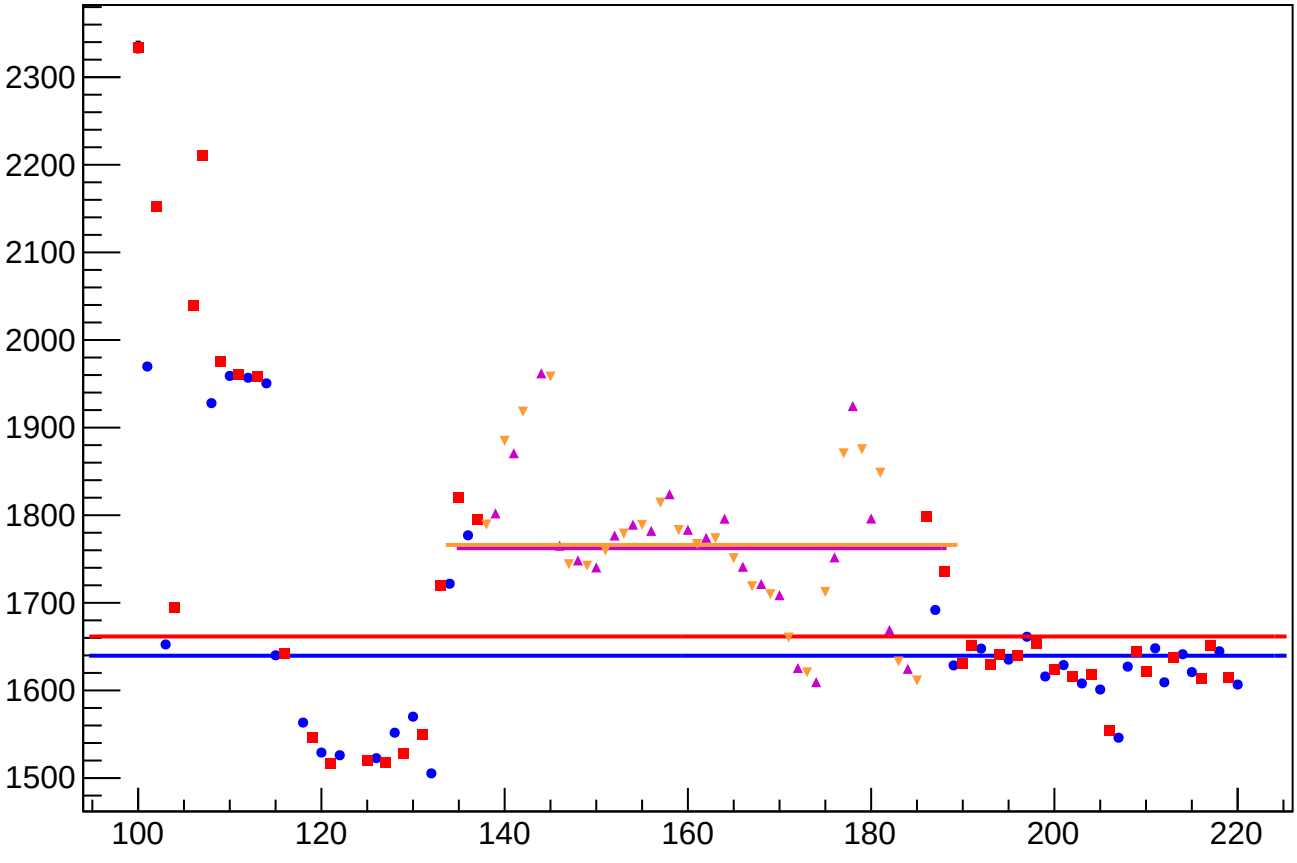
+ sign 3640.851+/-0.429 χ^2/NDF: 8337133.4/57

All: 3572.425+/-0.301 χ^2/NDF: 18669496.6/1

- sign 3506.293+/-0.422 χ^2/NDF: 10282434.8/59


eigen_dit_asym_atl_dd_mean vs Slug
10000
5000
0
−5000
−10000
100
120
140
160
180
200
220
Right In: 21.291+/-358.068 χ²/NDF: 26.7/32
Left Out: 413.311+/-410.536 χ²/NDF:40.0/23
Right Out: 635.154+/-361.594 χ²/NDF: 36.2/35
Left In: 568.821+/-412.052 χ²/NDF:7.7/22
+ sign 190.664+/-269.848 χ²/NDF: 67.2/56
All: 396.994+/-191.492 χ²/NDF: 112.3/115
- sign 606.296+/-271.784 χ²/NDF: 43.9/58

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1639.633+/-0.253 χ^2/NDF: 157865.6/32

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1661.586+/-0.255 χ^2/NDF: 270212.3/35

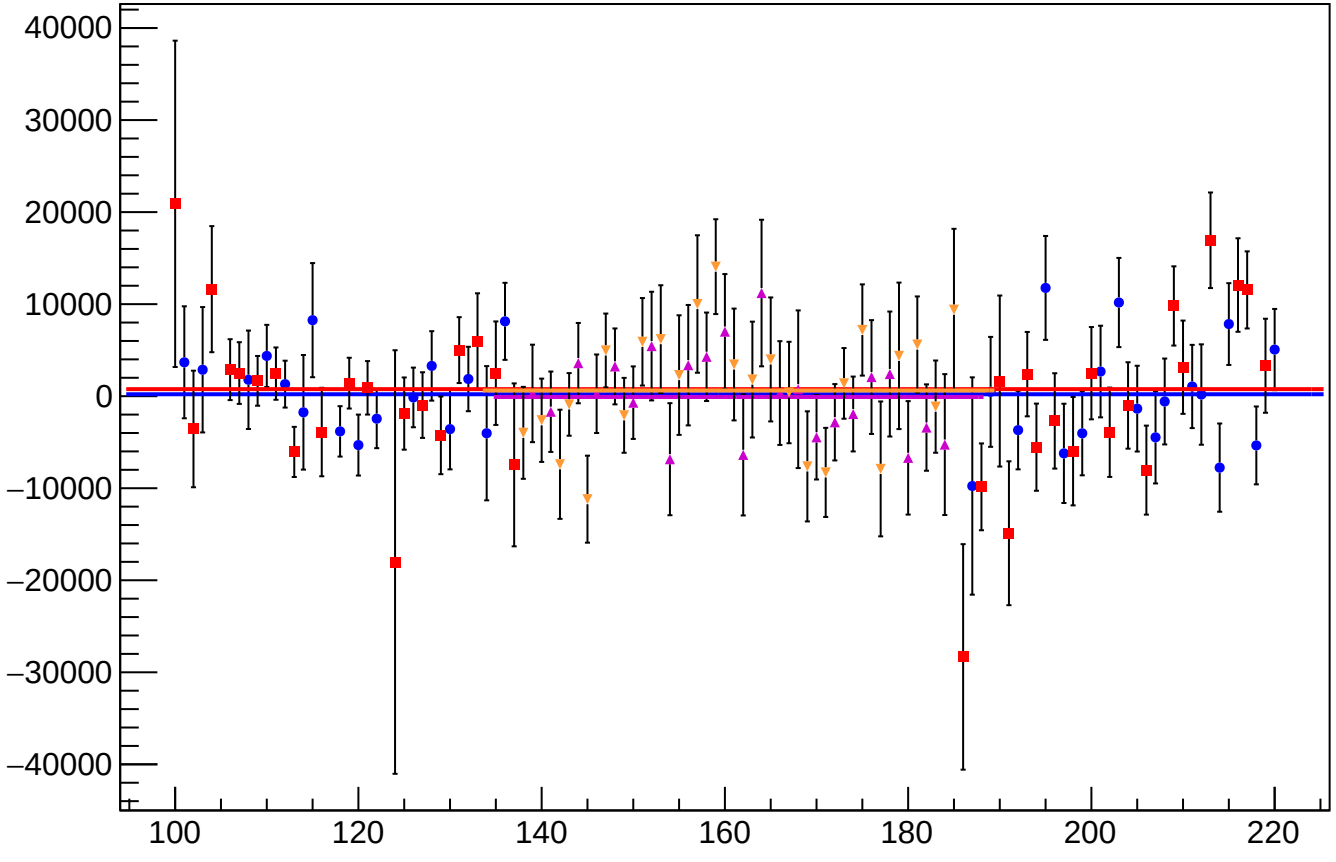
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1694.280+/-0.191 χ^2/NDF: 348942.0/56

All: 1699.809+/-0.135 χ^2/NDF: 768624.8/115

- sign 1705.412+/-0.192 χ^2/NDF: 417992.4/58

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 210.425+/-750.112 χ^2/NDF: 37.5/32

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: 765.445+/-715.730 χ^2/NDF: 67.9/36

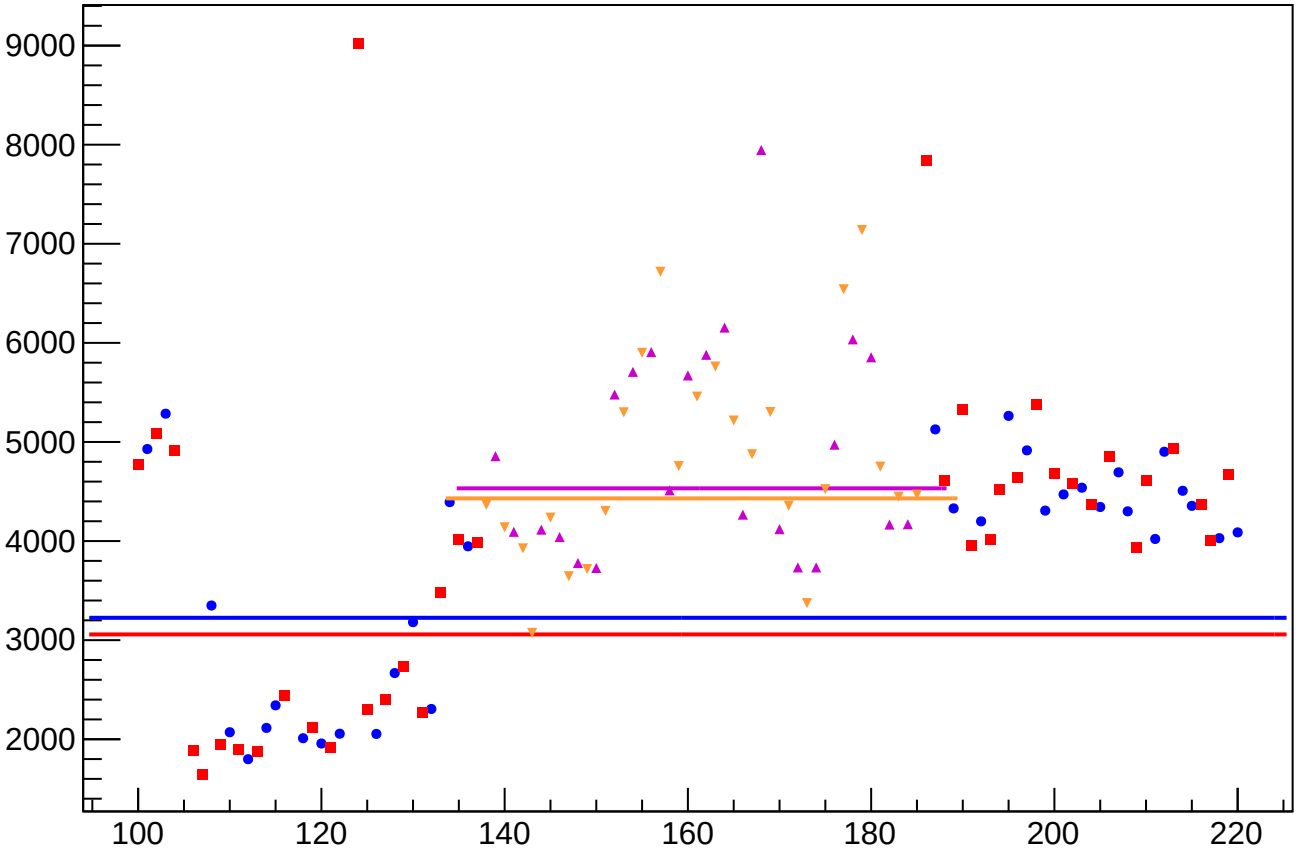
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 351.416+/-607.303 χ^2/NDF: 70.6/57

All: 430.332+/-425.750 χ^2/NDF: 151.9/117

- sign 506.600+/-597.032 χ^2/NDF: 81.2/59

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 3225.642+/-0.530 χ^2/NDF: 4945366.7/32

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

Right Out: 3057.914+/-0.506 χ^2/NDF: 6325728.9/36

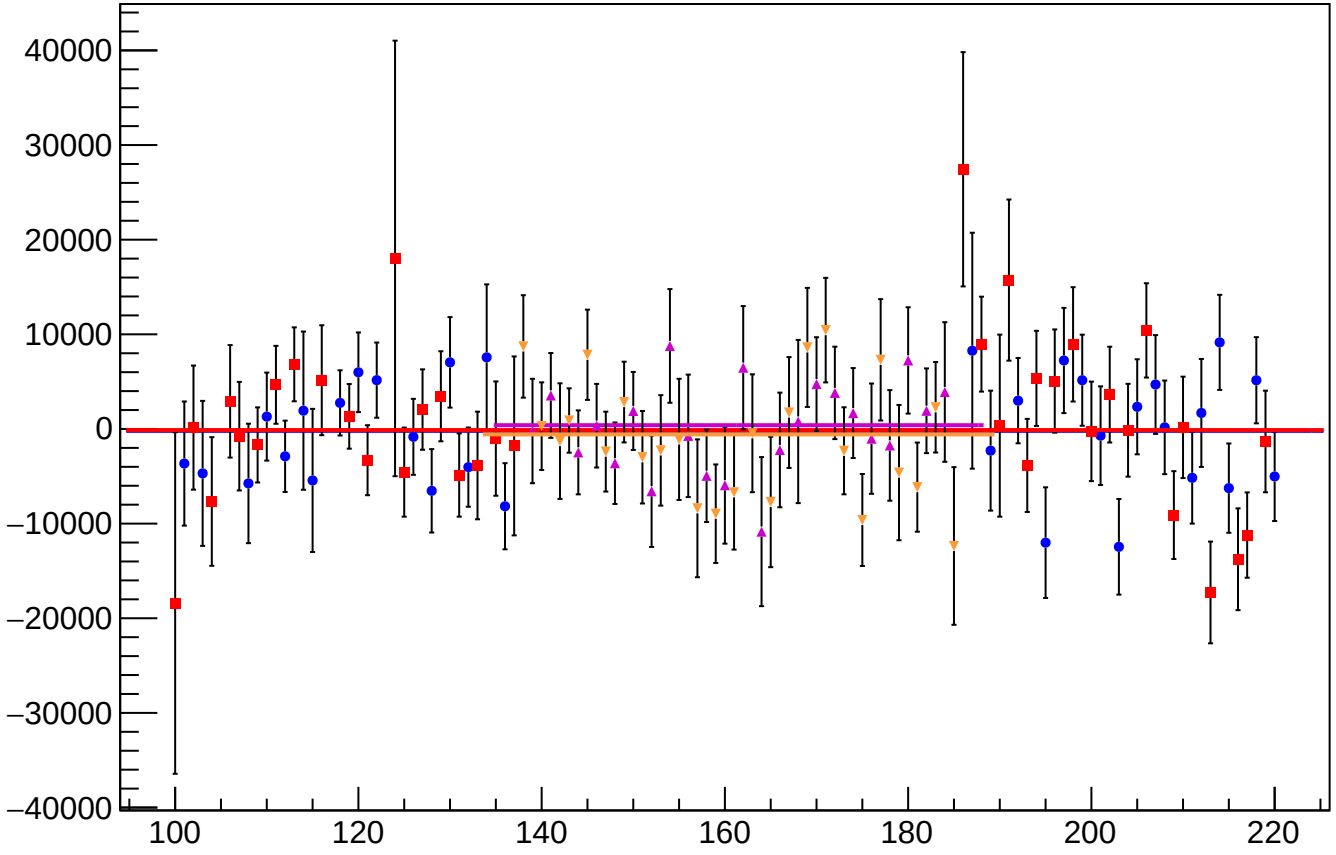
Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

+ sign 3640.846+/-0.429 χ^2/NDF: 8337264.2/57

All: 3572.419+/-0.301 χ^2/NDF: 18669752.2/1

- sign 3506.288+/-0.422 χ^2/NDF: 10282558.7/59

asym_atl_dd_mean vs Slug



Right In: -193.478+/-867.931 χ^2/NDF: 40.5/32

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: -117.803+/-858.904 χ^2/NDF: 61.1/36

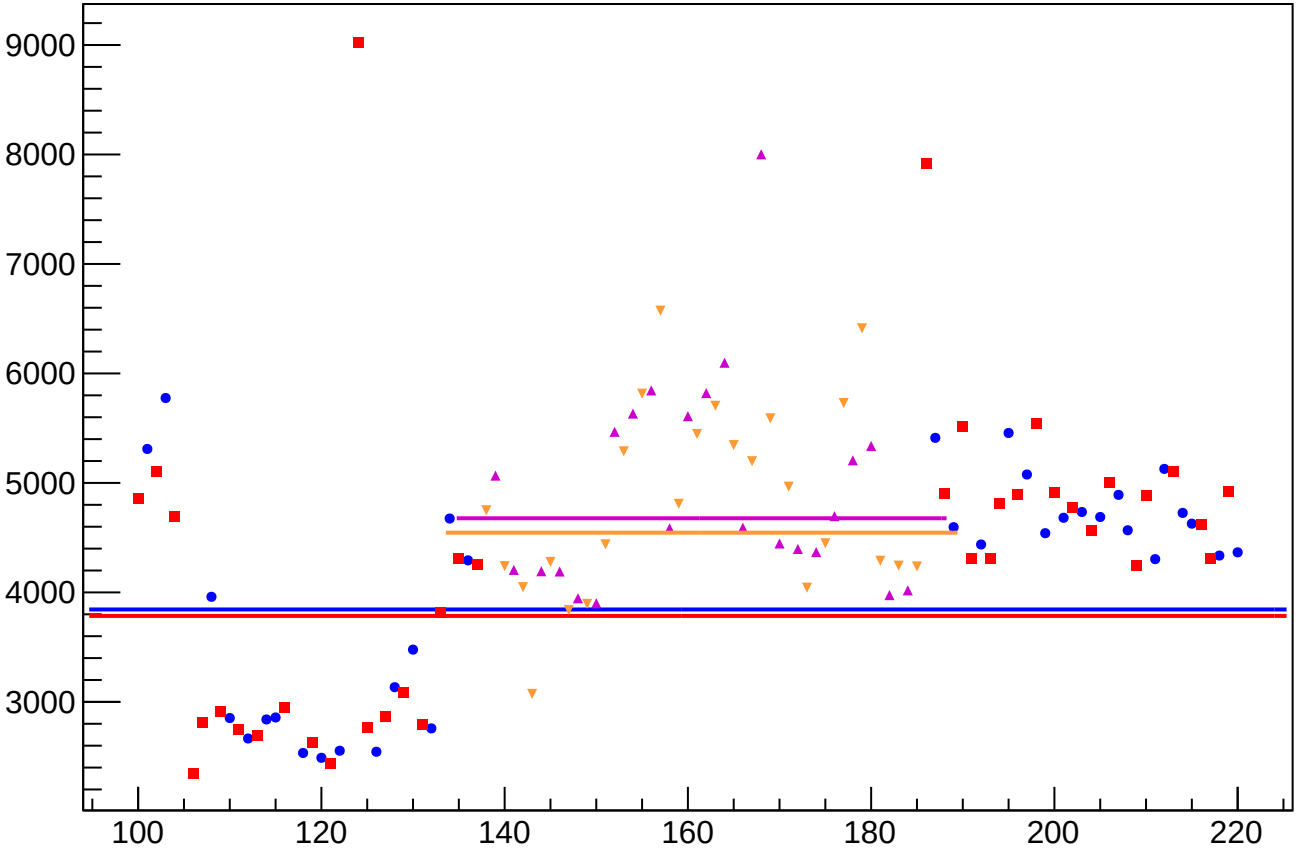
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -346.742+/-670.218 χ^2/NDF: 69.3/57

All: -138.357+/-477.050 χ^2/NDF: 144.7/117

- sign 75.633+/-679.172 χ^2/NDF: 75.2/59

asym_atl_dd_rms vs Slug



Right In: 3844.119+/-0.614 χ^2/NDF: 2700531.4/32

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

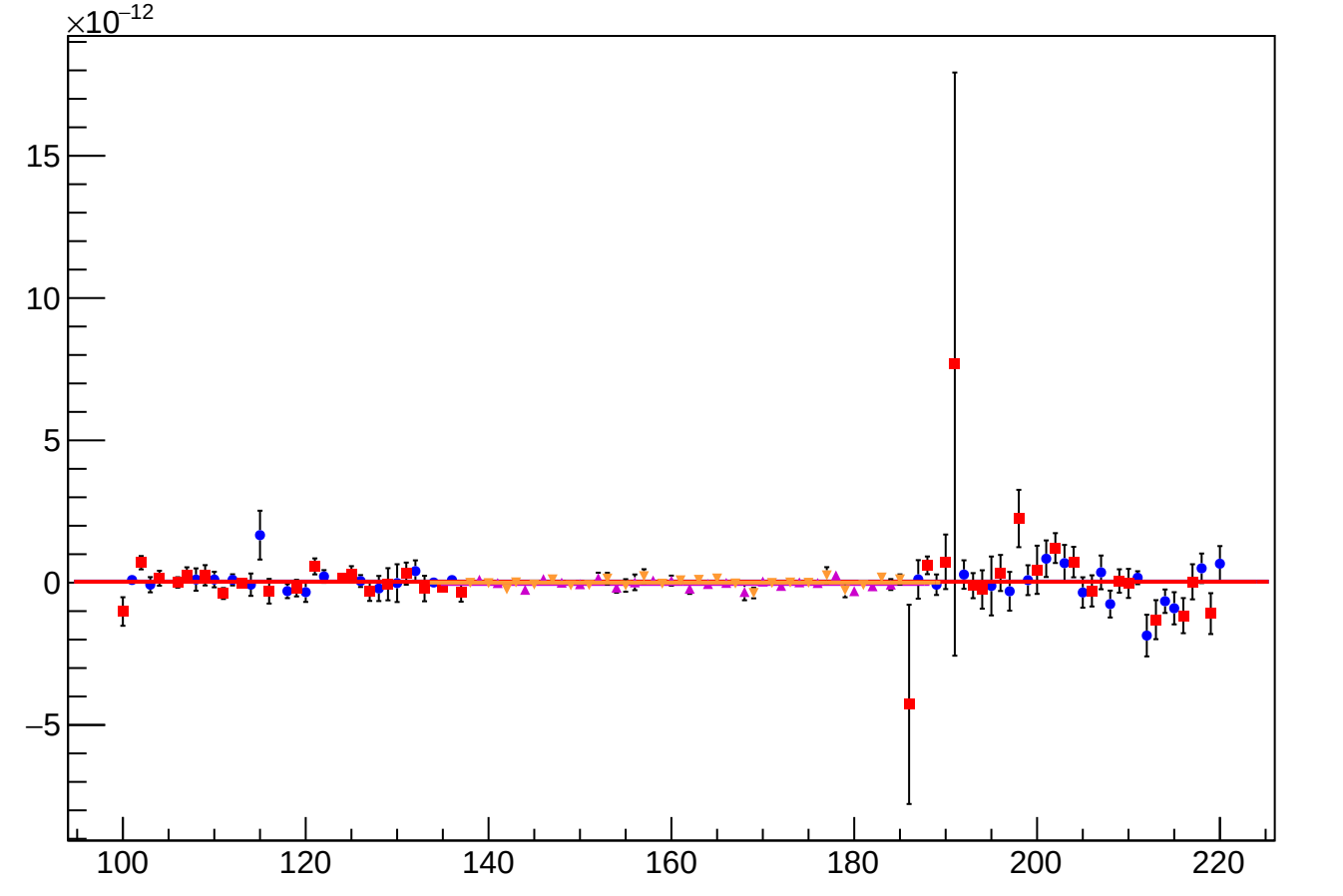
Right Out: 3785.280+/-0.603 χ^2/NDF: 3238125.1/36

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 4127.266+/-0.474 χ^2/NDF: 4486316.7/57

All: 4121.824+/-0.337 χ^2/NDF: 9497075.7/11

- sign 4116.288+/-0.478 χ^2/NDF: 5010493.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

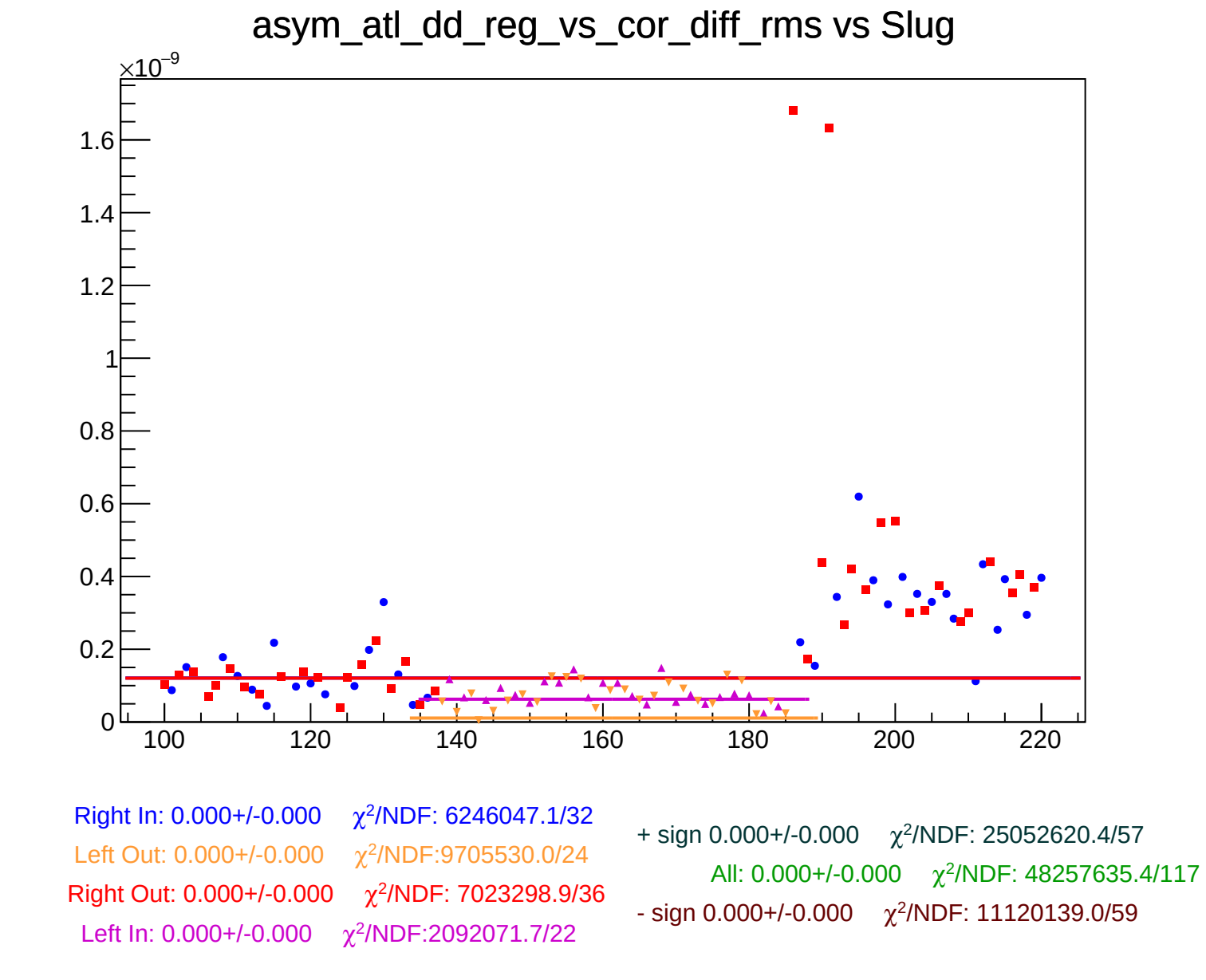
Right Out: 0.000+/-0.000 χ^2/NDF: 58.8/36

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

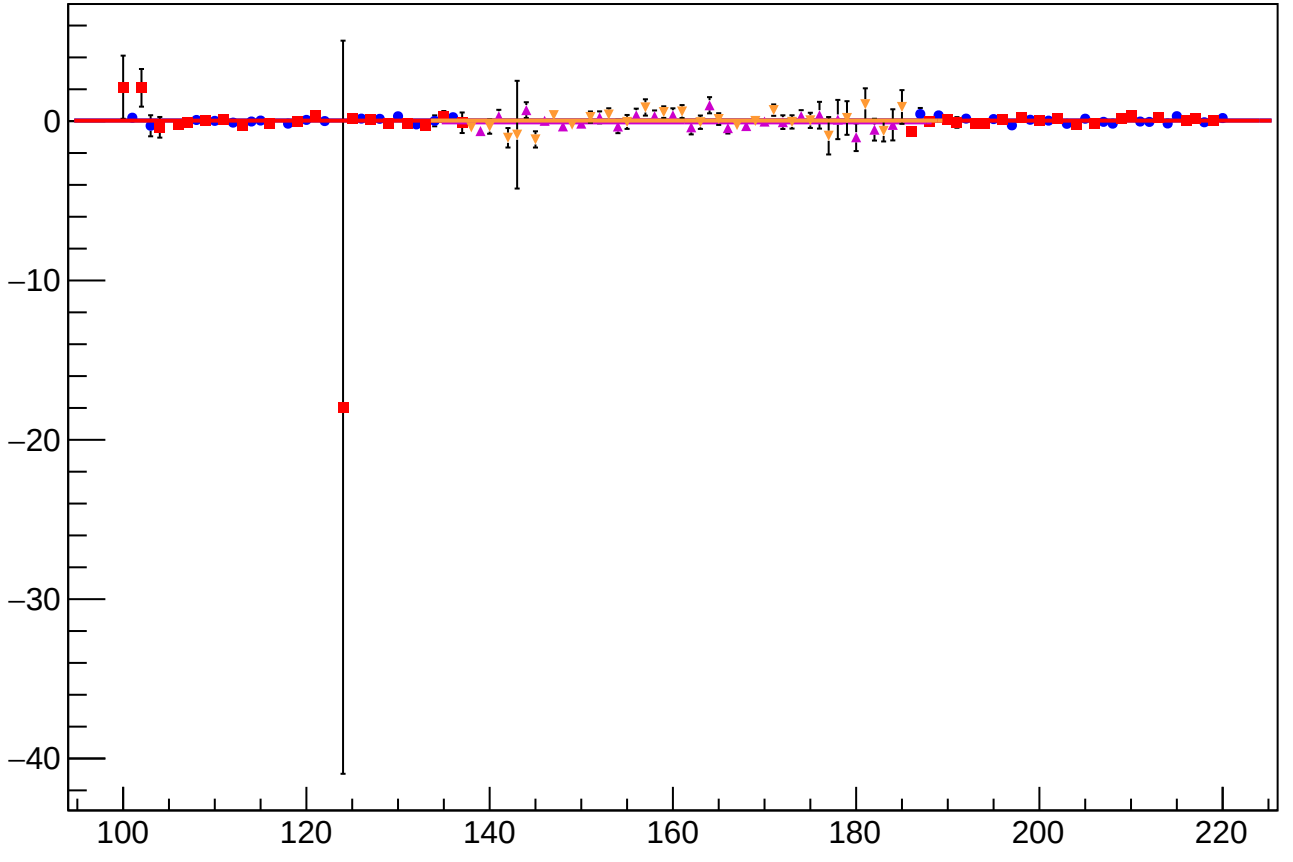
+ sign 0.000+/-0.000 χ^2/NDF: 49.3/57

All: 0.000+/-0.000 χ^2/NDF: 132.3/117

- sign -0.000+/-0.000 χ^2/NDF: 81.2/59


asym_atl_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6246047.1/32
Left Out: 0.000+/-0.000 χ²/NDF:9705530.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 7023298.9/36
Left In: 0.000+/-0.000 χ²/NDF:2092071.7/22
+ sign 0.000+/-0.000 χ²/NDF: 25052620.4/57
All: 0.000+/-0.000 χ²/NDF: 48257635.4/117
- sign 0.000+/-0.000 χ²/NDF: 11120139.0/59

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.044+/-0.029 χ^2/NDF: 30.4/32

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.032+/-0.028 χ^2/NDF: 44.6/36

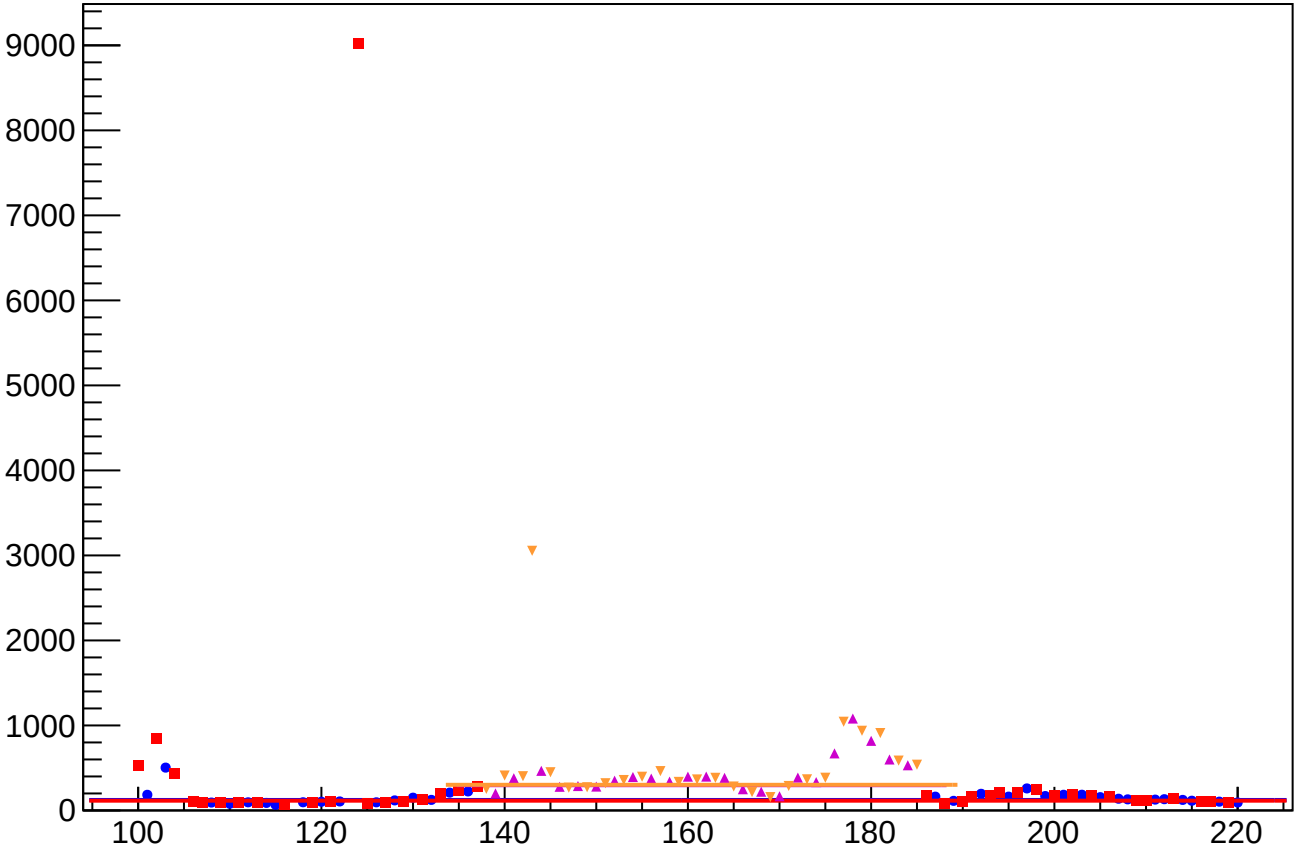
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.043+/-0.027 χ^2/NDF: 60.1/57

All: 0.031+/-0.019 χ^2/NDF: 131.0/117

- sign 0.019+/-0.026 χ^2/NDF: 70.5/59

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 123.240+/-0.020 χ^2/NDF: 3745558.0/32

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 115.074+/-0.019 χ^2/NDF: 5616484.0/36

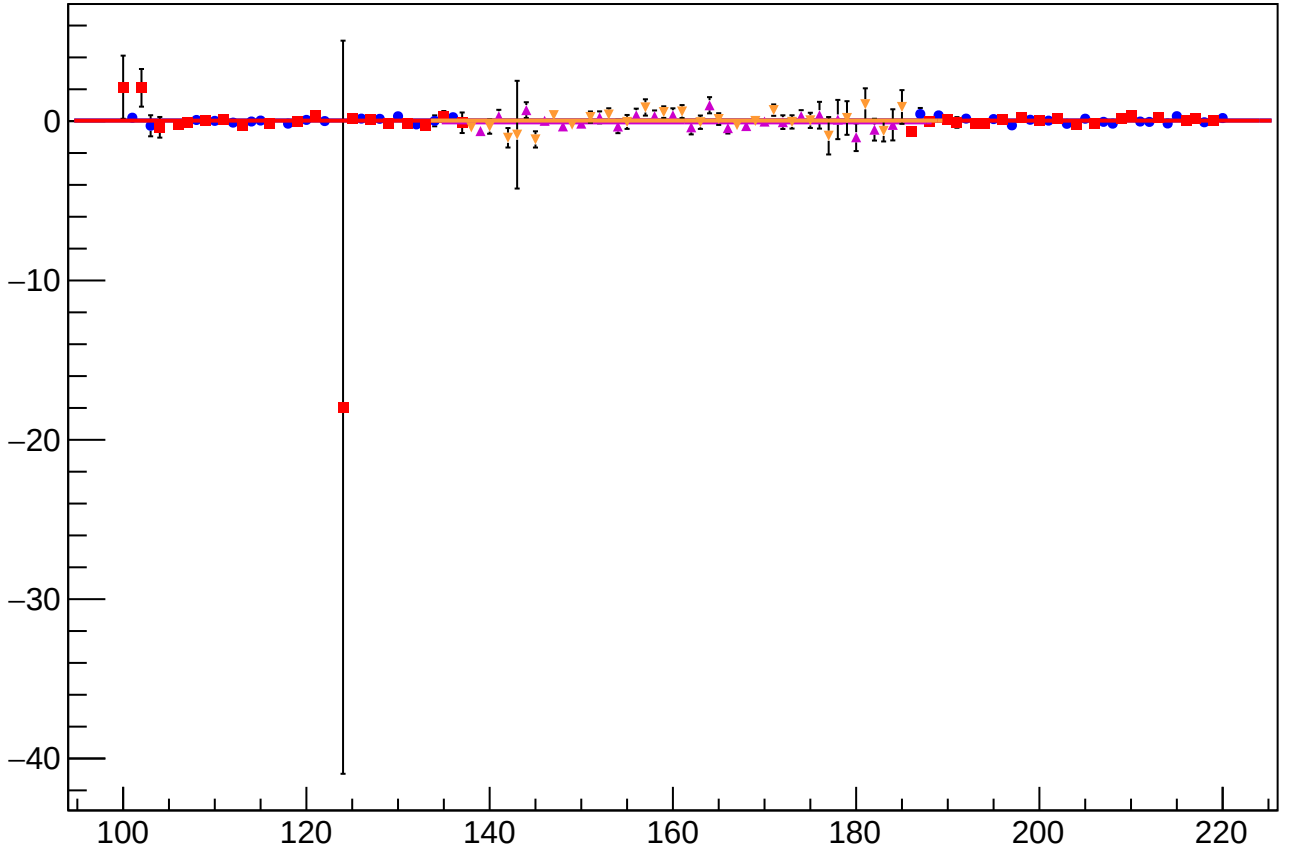
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 145.249+/-0.019 χ^2/NDF: 19877780.6/57

All: 140.592+/-0.013 χ^2/NDF: 40703458.7/11

- sign 136.316+/-0.018 χ^2/NDF: 20711673.1/59

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.044+/-0.029 χ^2/NDF: 30.4/32

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.032+/-0.028 χ^2/NDF: 44.6/36

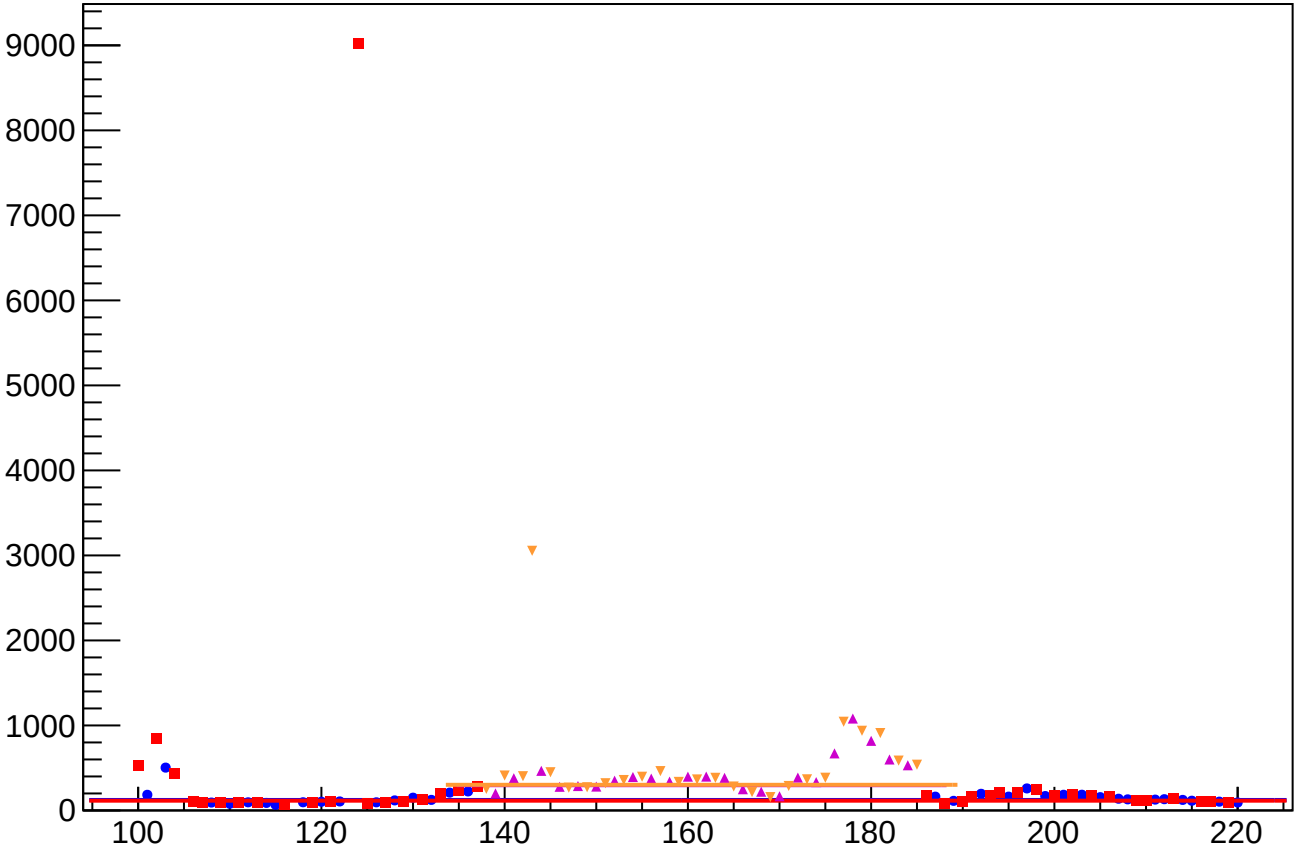
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.043+/-0.027 χ^2/NDF: 60.1/57

All: 0.031+/-0.019 χ^2/NDF: 131.0/117

- sign 0.019+/-0.026 χ^2/NDF: 70.5/59

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 123.240+/-0.020 χ^2/NDF: 3745558.0/32

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

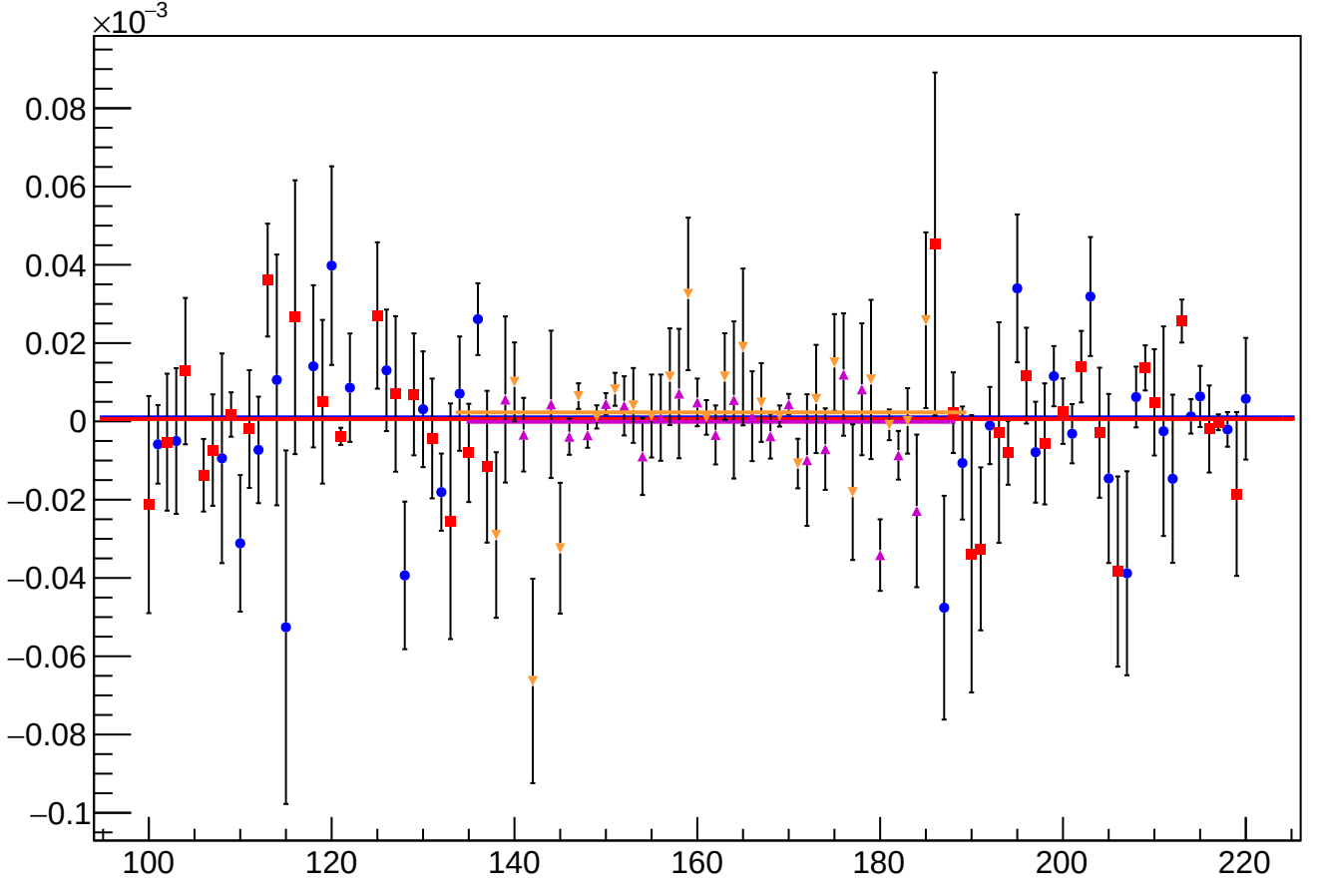
Right Out: 115.074+/-0.019 χ^2/NDF: 5616484.0/36

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 145.249+/-0.019 χ^2/NDF: 19877780.6/57

All: 140.592+/-0.013 χ^2/NDF: 40703458.7/11

- sign 136.316+/-0.018 χ^2/NDF: 20711673.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 44.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 57.2/35

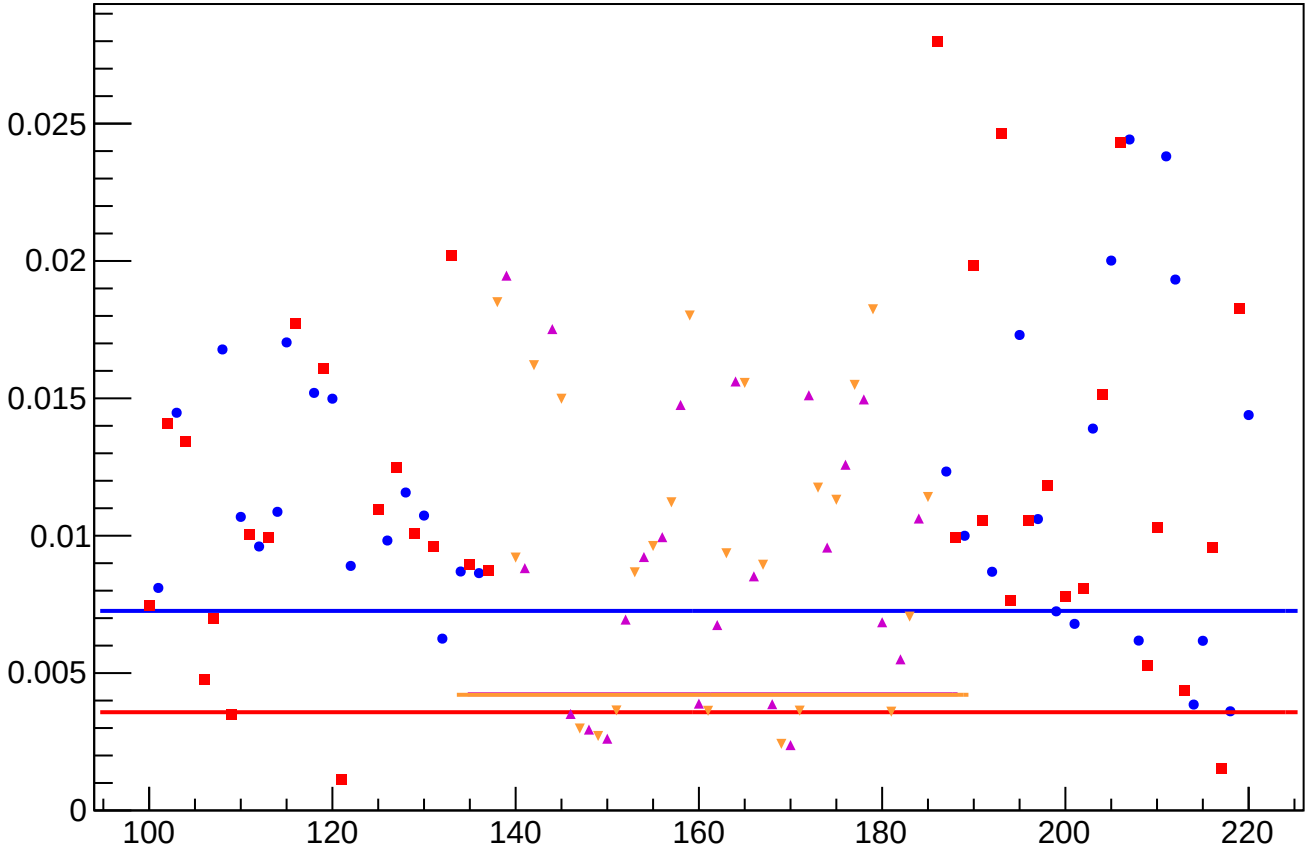
Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.5/56

All: 0.000+/-0.000 χ^2/NDF: 163.4/115

- sign 0.000+/-0.000 χ^2/NDF: 86.5/58

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 8971493.6/32

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 20908209.9/35

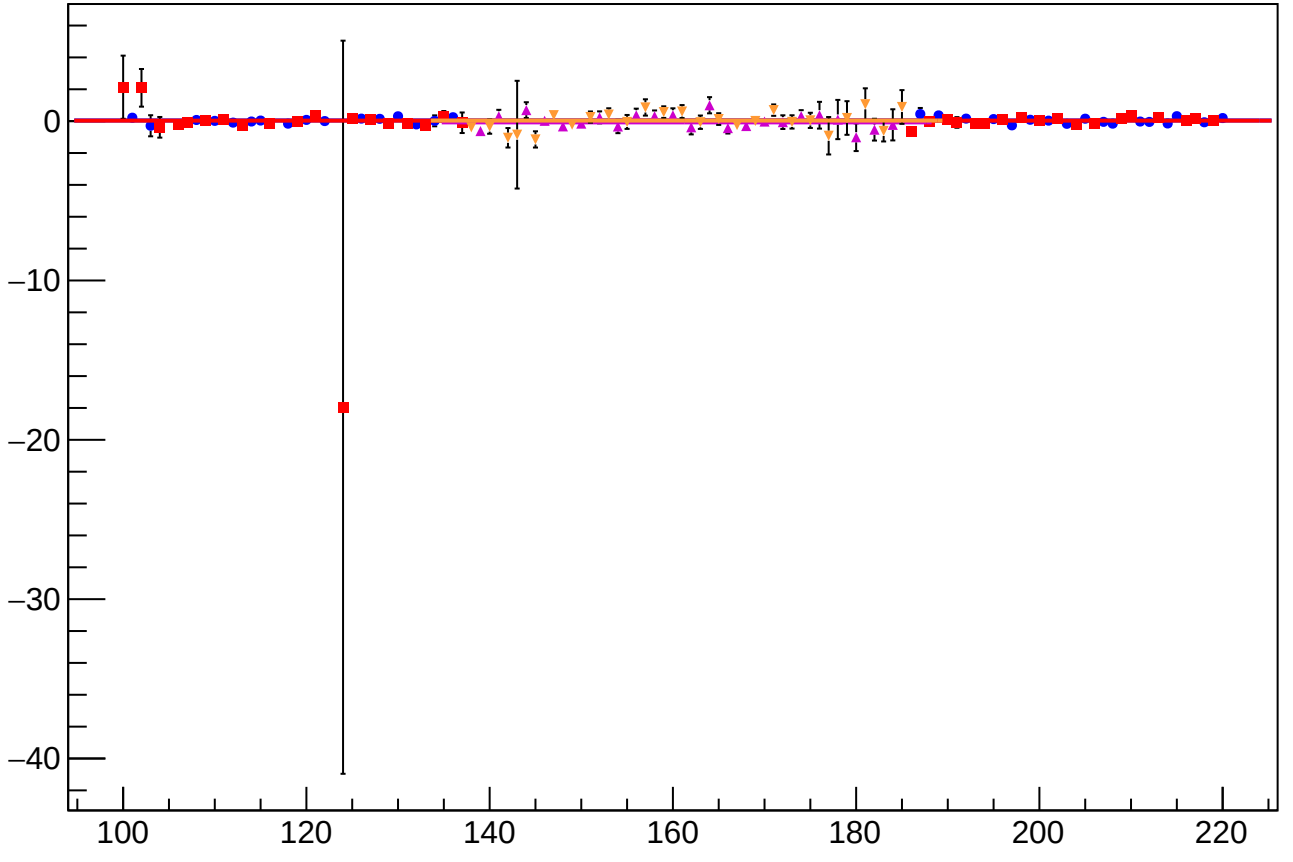
Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 24709659.1/56

All: 0.004+/-0.000 χ^2/NDF: 58653563.9/115

- sign 0.004+/-0.000 χ^2/NDF: 32221805.7/58

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.044+/-0.029 χ^2/NDF: 30.4/32

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.032+/-0.028 χ^2/NDF: 44.6/36

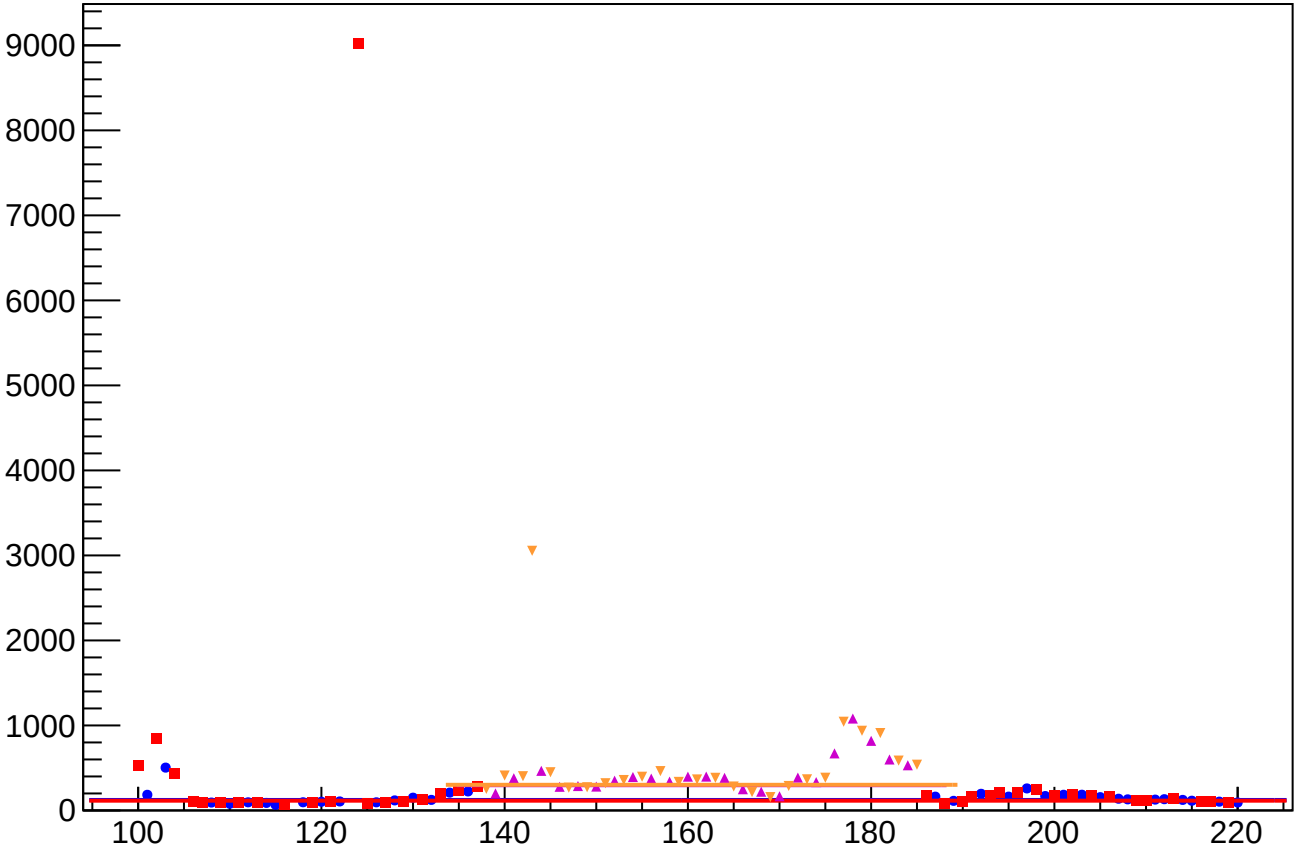
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.043+/-0.027 χ^2/NDF: 60.1/57

All: 0.031+/-0.019 χ^2/NDF: 131.0/117

- sign 0.019+/-0.026 χ^2/NDF: 70.5/59

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 123.241+/-0.020 χ^2/NDF: 3745495.4/32

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

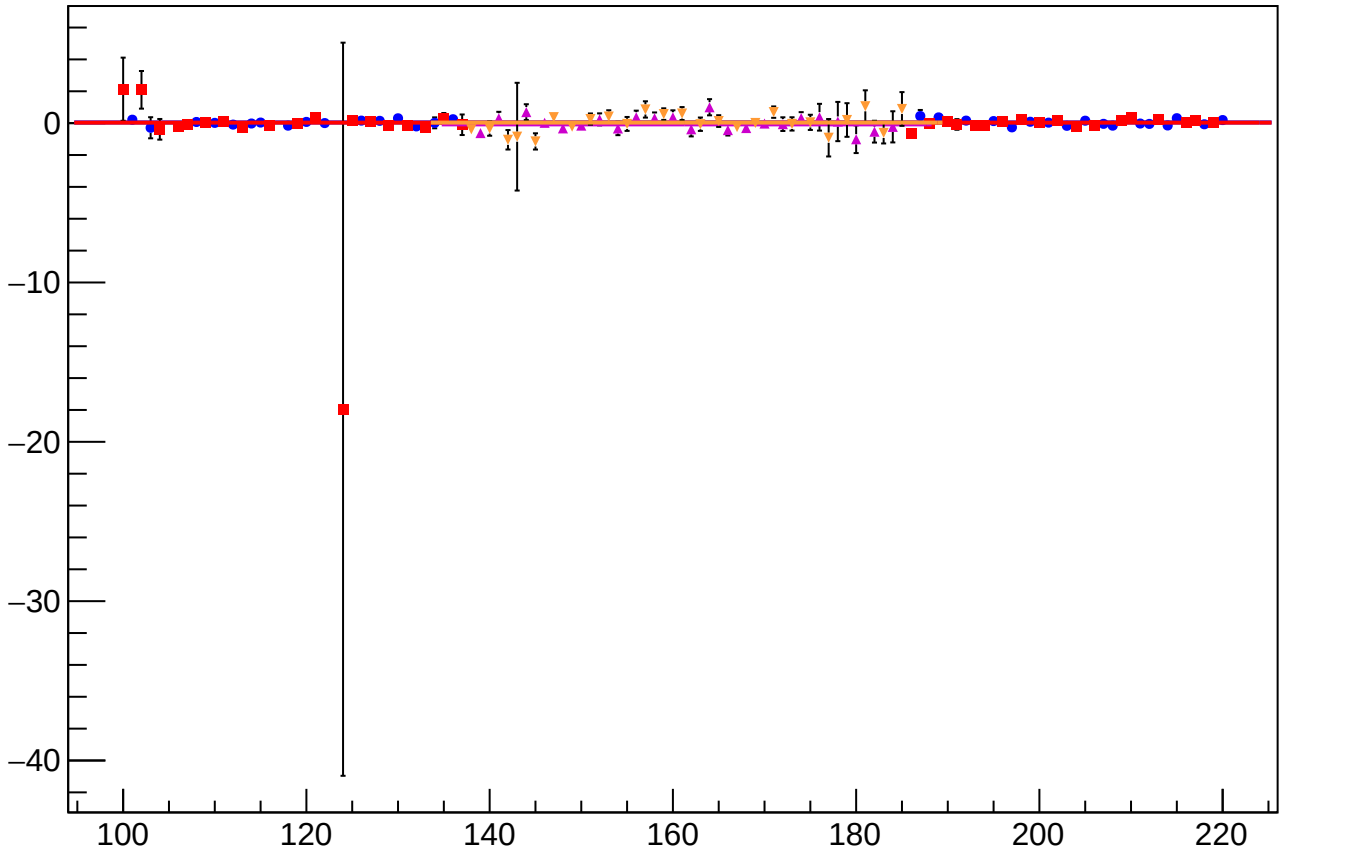
Right Out: 115.075+/-0.019 χ^2/NDF: 5616370.7/36

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 145.251+/-0.019 χ^2/NDF: 19877676.4/57

All: 140.594+/-0.013 χ^2/NDF: 40703199.9/11

- sign 136.317+/-0.018 χ^2/NDF: 20711519.2/59



Right In: 0.044+/-0.029 χ^2/NDF: 30.4/32

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: 0.032+/-0.028 χ^2/NDF: 44.6/36

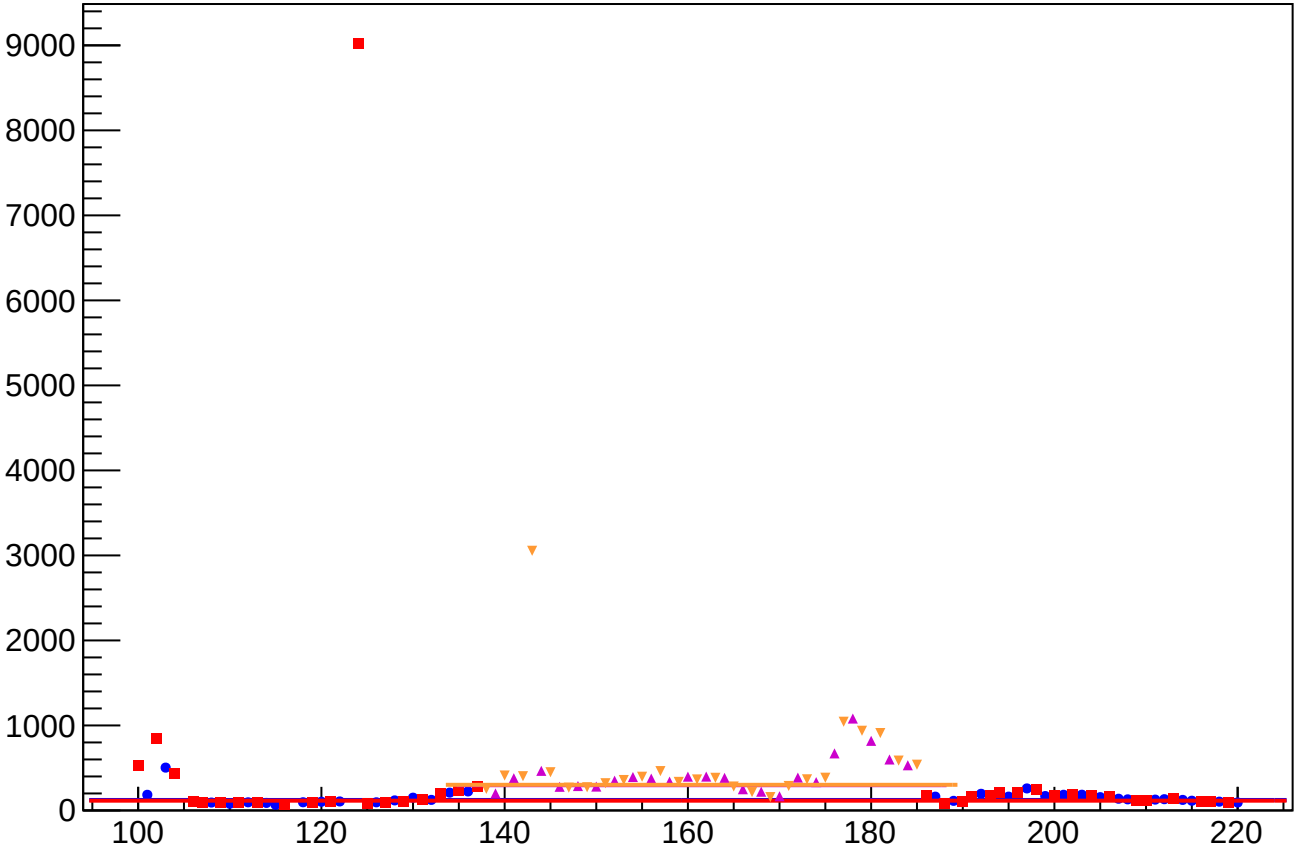
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.043+/-0.027 χ^2/NDF: 60.1/57

All: 0.031+/-0.019 χ^2/NDF: 131.0/117

- sign 0.019+/-0.026 χ^2/NDF: 70.5/59

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 123.241+/-0.020 χ^2/NDF: 3745495.4/32

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

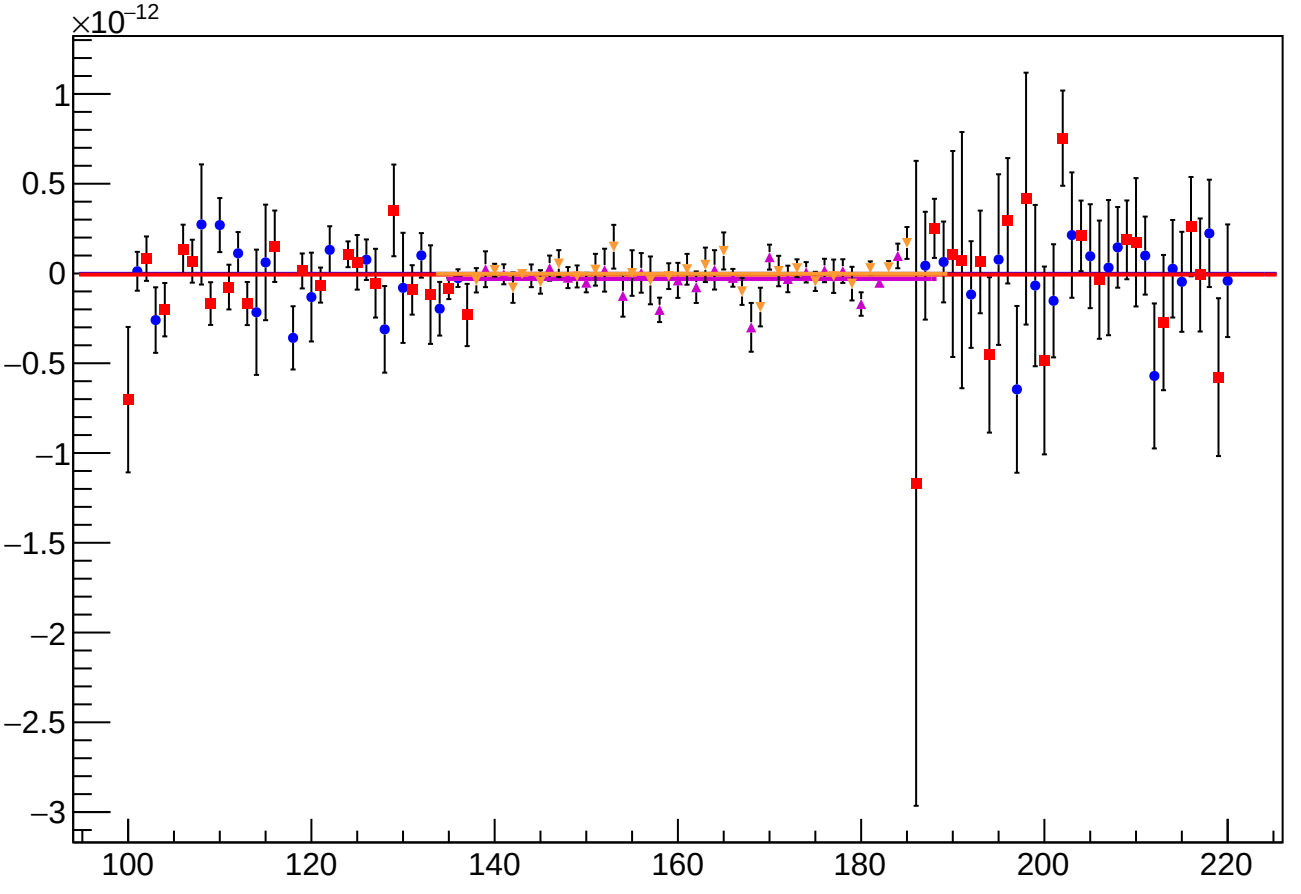
Right Out: 115.075+/-0.019 χ^2/NDF: 5616370.7/36

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 145.251+/-0.019 χ^2/NDF: 19877676.4/57

All: 140.594+/-0.013 χ^2/NDF: 40703199.9/11

- sign 136.317+/-0.018 χ^2/NDF: 20711519.2/59



Right In: -0.000+/-0.000 χ^2/NDF: 23.7/32

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

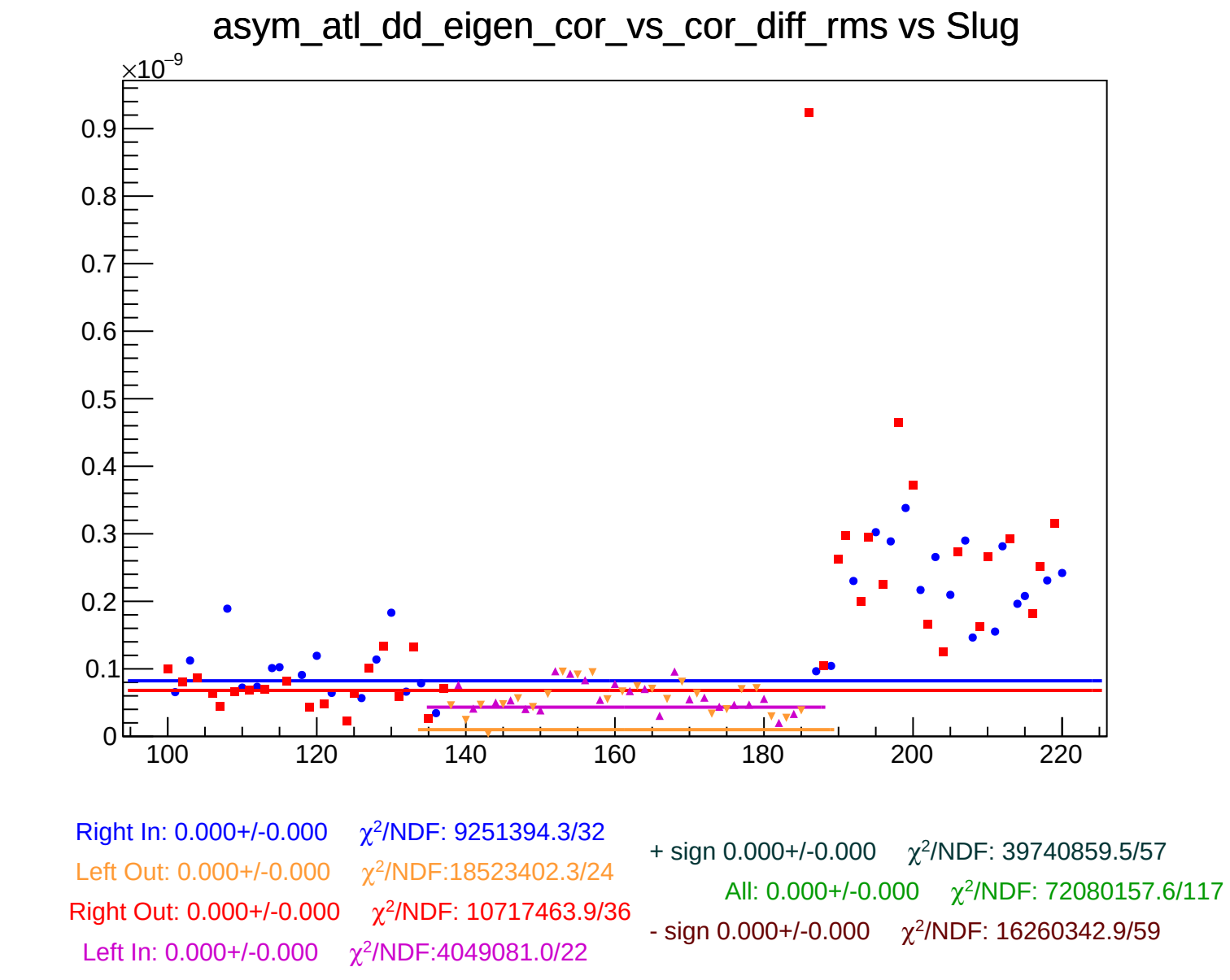
Right Out: -0.000+/-0.000 χ^2/NDF: 39.9/36

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

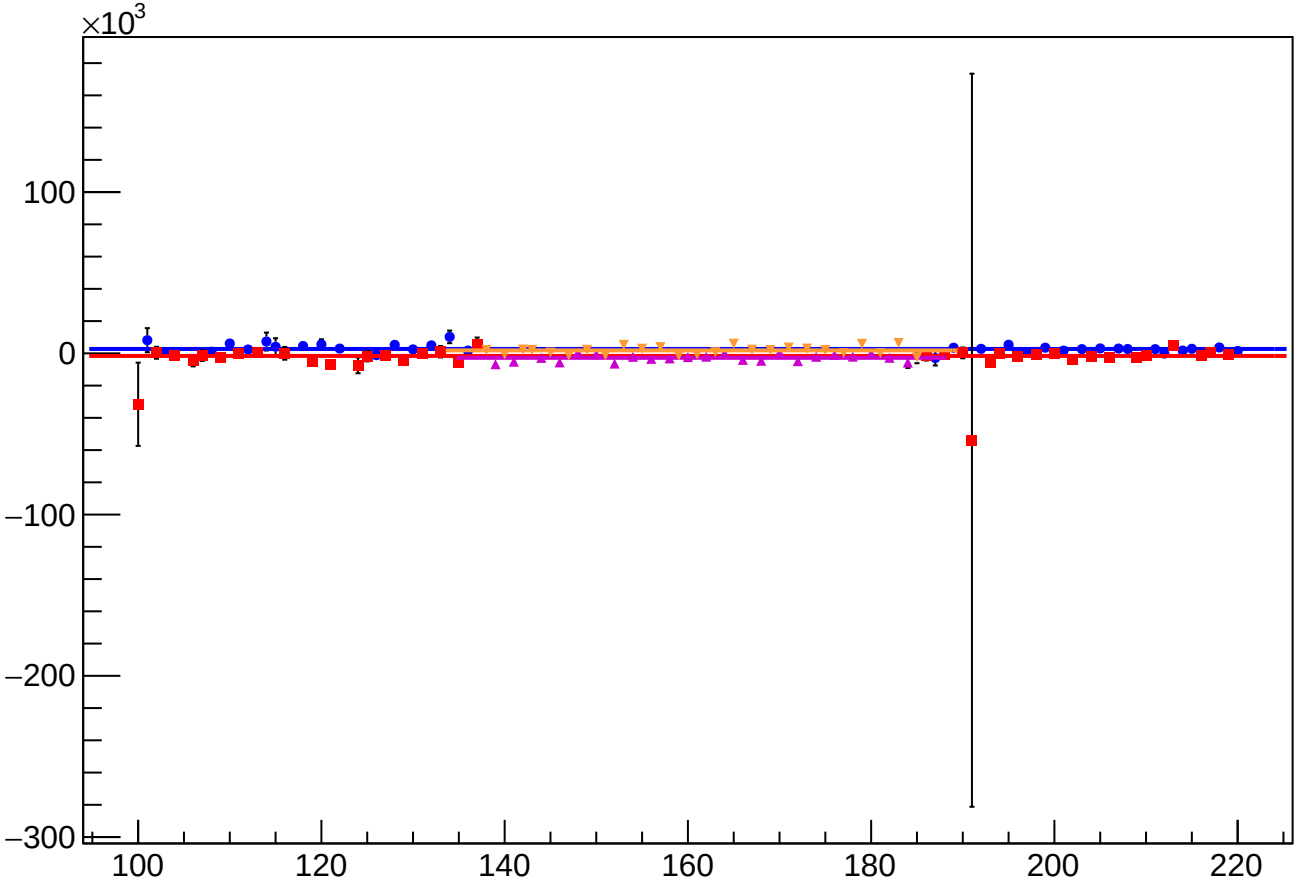
+ sign -0.000+/-0.000 χ^2/NDF: 41.4/57

All: -0.000+/-0.000 χ^2/NDF: 111.9/117

- sign -0.000+/-0.000 χ^2/NDF: 67.0/59


asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9251394.3/32
Left Out: 0.000+/-0.000 χ²/NDF:18523402.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 10717463.9/36
Left In: 0.000+/-0.000 χ²/NDF:4049081.0/22
+ sign 0.000+/-0.000 χ²/NDF: 39740859.5/57
All: 0.000+/-0.000 χ²/NDF: 72080157.6/117
- sign 0.000+/-0.000 χ²/NDF: 16260342.9/59

reg_asym_atr_avg_mean vs Slug



Right In: 2725.325+/-429.267 χ^2/NDF: 19.0/32

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -1605.136+/-427.266 χ^2/NDF: 34.2/36

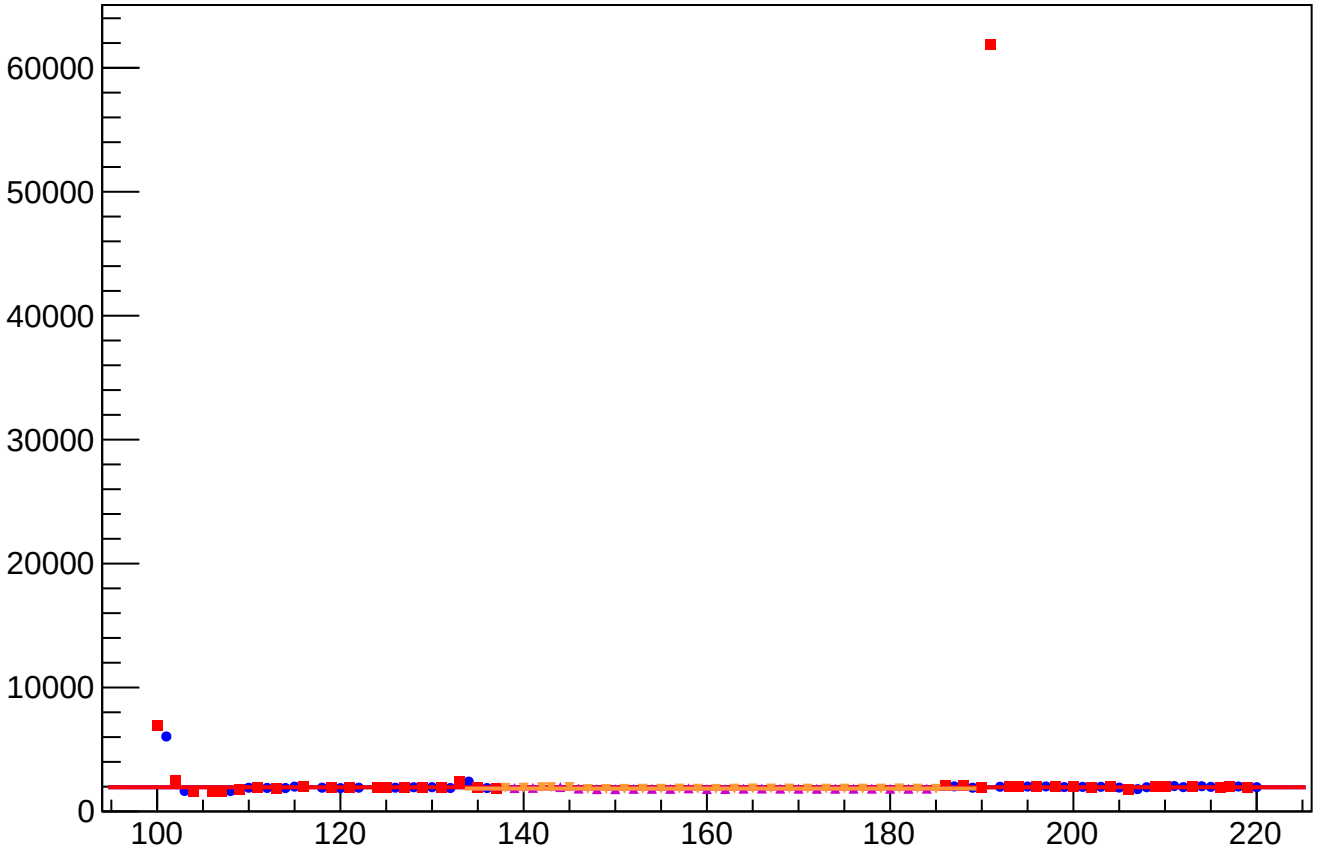
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2279.140+/-300.210 χ^2/NDF: 52.7/57

All: 70.315+/-213.396 χ^2/NDF: 225.4/117

- sign -2185.537+/-303.389 χ^2/NDF: 63.3/59

reg_asym_atr_avg_rms vs Slug



Right In: 1953.291+/-0.304 χ^2/NDF: 728721.7/32

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1952.352+/-0.302 χ^2/NDF: 427422.9/36

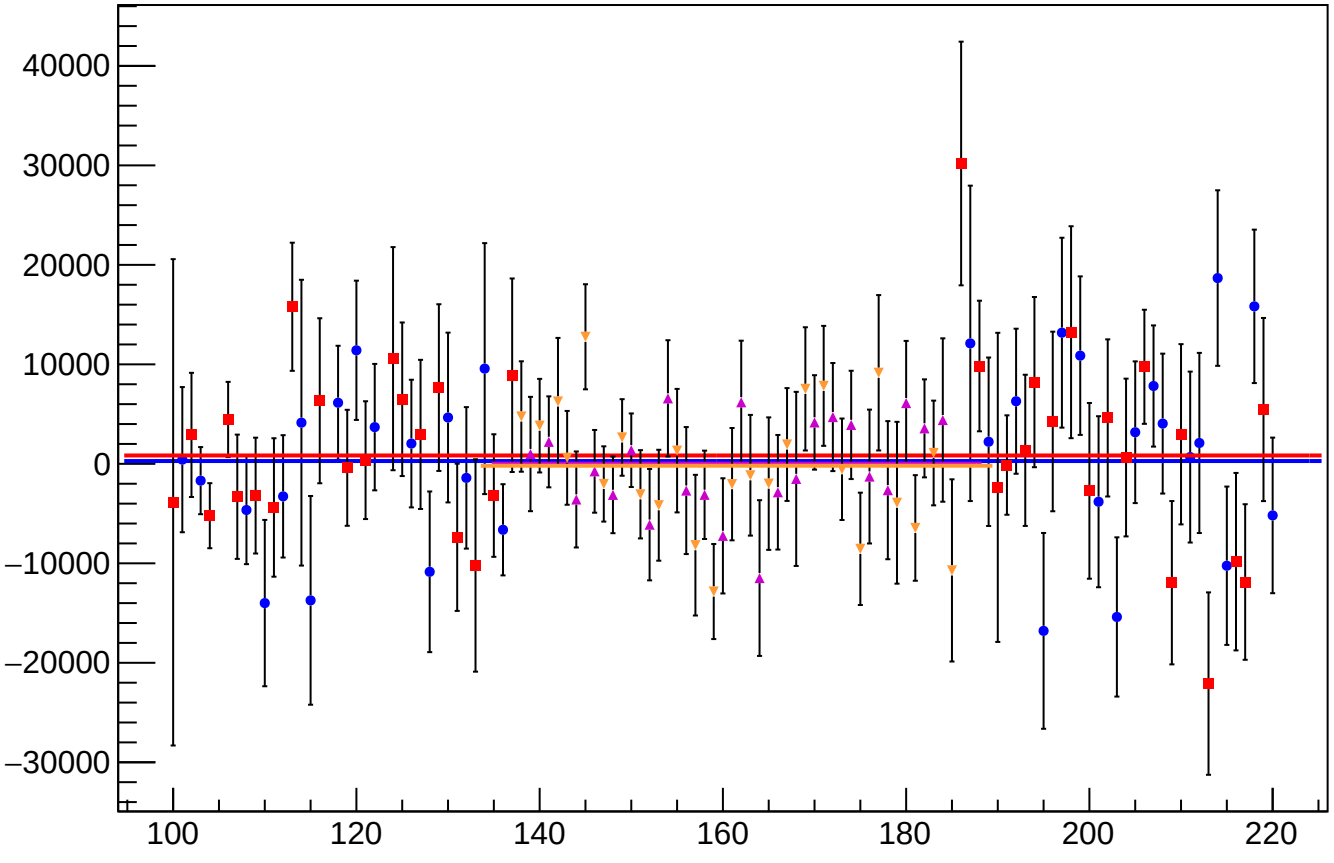
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1899.764+/-0.212 χ^2/NDF: 810475.7/57

All: 1899.497+/-0.151 χ^2/NDF: 1314532.9/11

- sign 1899.224+/-0.214 χ^2/NDF: 504054.1/59

asym_atr_avg_reg_correction_mean vs Slug



Right In: 281.798+/-1235.396 χ^2/NDF: 39.9/32

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 840.431+/-1143.383 χ^2/NDF: 43.1/36

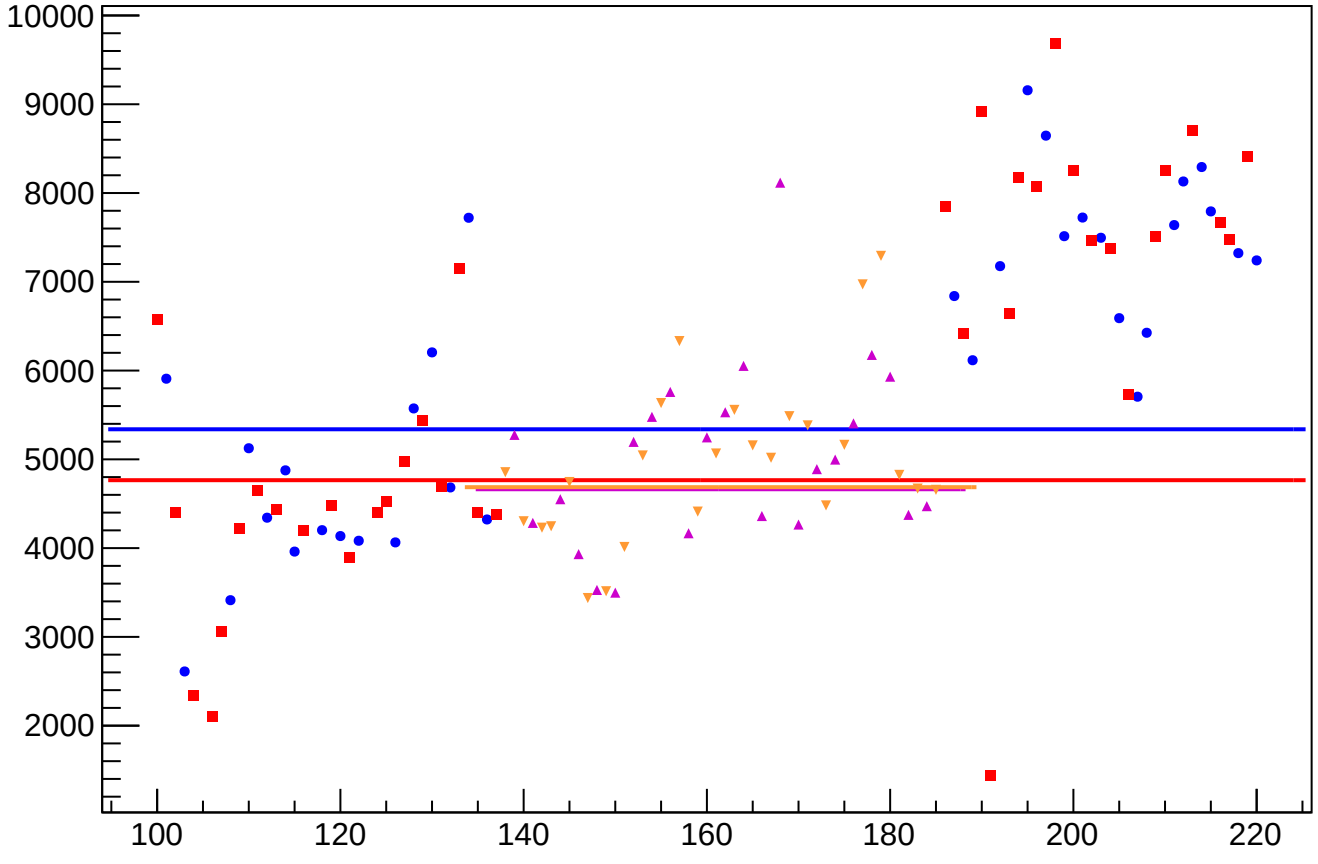
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign 16.525+/-816.758 χ^2/NDF: 68.9/57

All: 222.441+/-570.560 χ^2/NDF: 126.1/117

- sign 418.700+/-797.378 χ^2/NDF: 57.1/59

asym_atr_avg_reg_correction_rms vs Slug



Right In: 5338.628+/-0.874 χ^2/NDF: 4432037.1/32

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4765.174+/-0.808 χ^2/NDF: 7360750.1/36

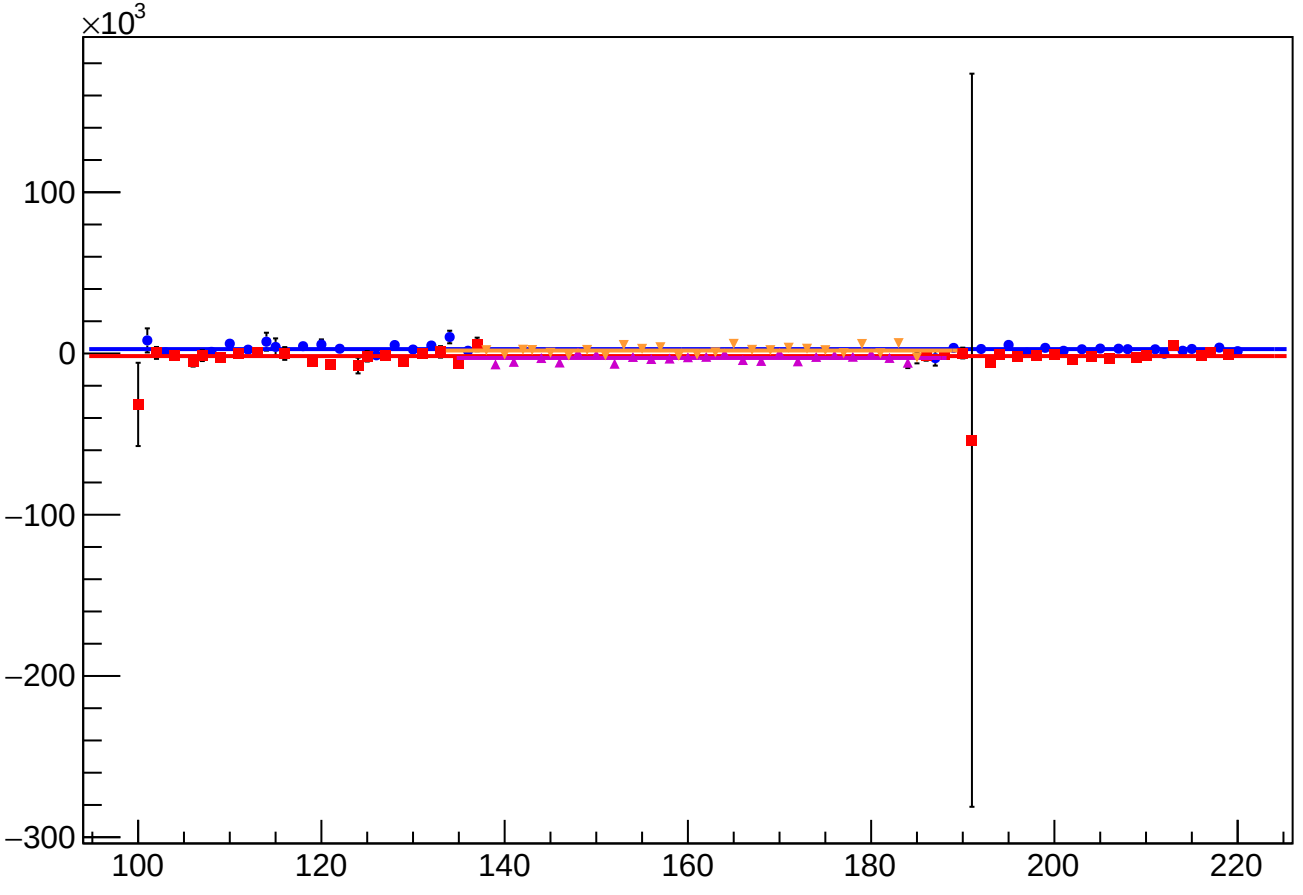
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4971.459+/-0.578 χ^2/NDF: 5930945.8/57

All: 4839.040+/-0.403 χ^2/NDF: 14689257.4/1

- sign 4712.832+/-0.564 χ^2/NDF: 8655636.4/59

cor_asym_atr_avg_mean vs Slug



Right In: 2725.044+/-429.267 χ^2/NDF: 19.0/32

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -1605.573+/-427.267 χ^2/NDF: 34.2/36

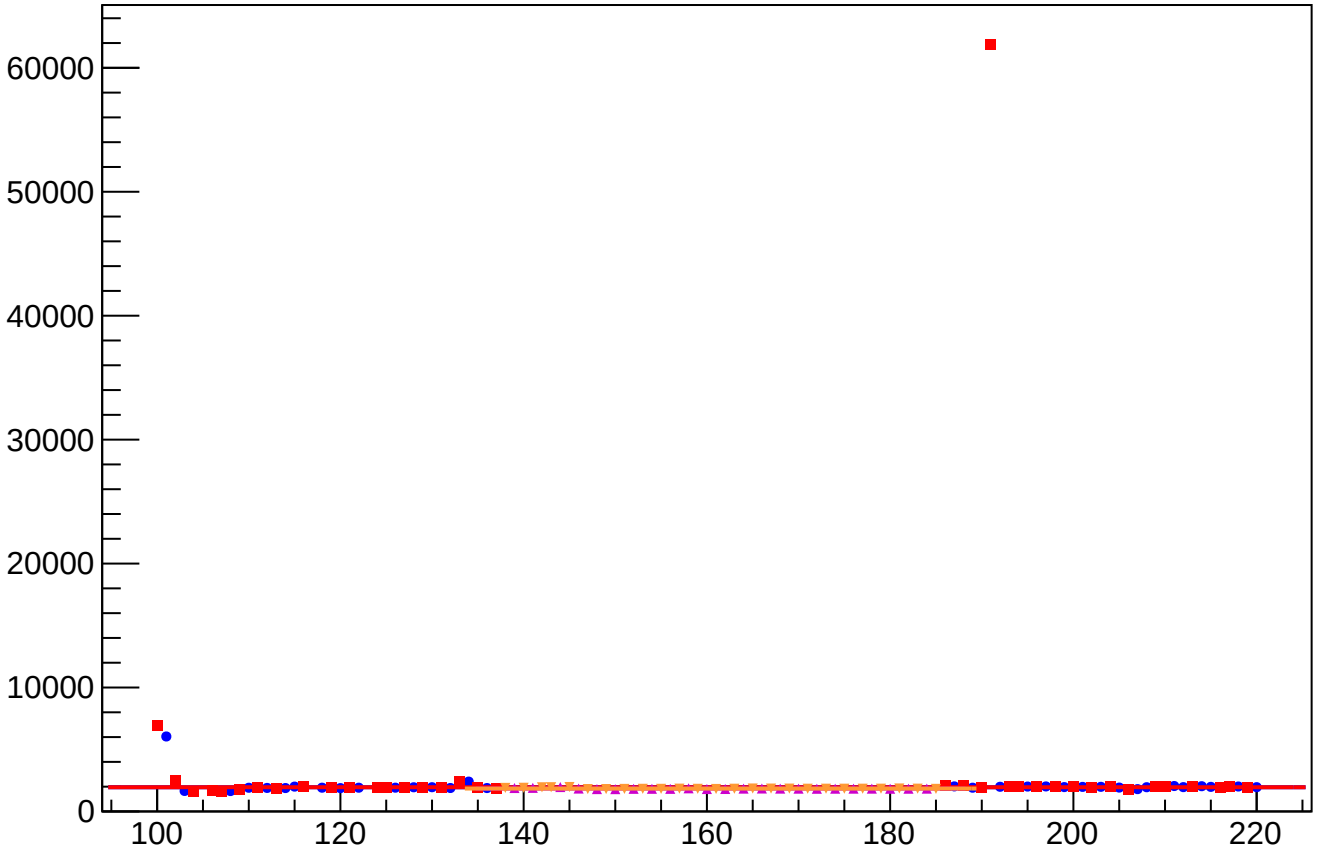
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2278.946+/-300.210 χ^2/NDF: 52.7/57

All: 70.115+/-213.396 χ^2/NDF: 225.4/117

- sign -2185.747+/-303.389 χ^2/NDF: 63.3/59

cor_asym_atr_avg_rms vs Slug



Right In: 1953.292+/-0.304 χ^2/NDF: 728720.7/32

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1953.879+/-0.302 χ^2/NDF: 418981.2/36

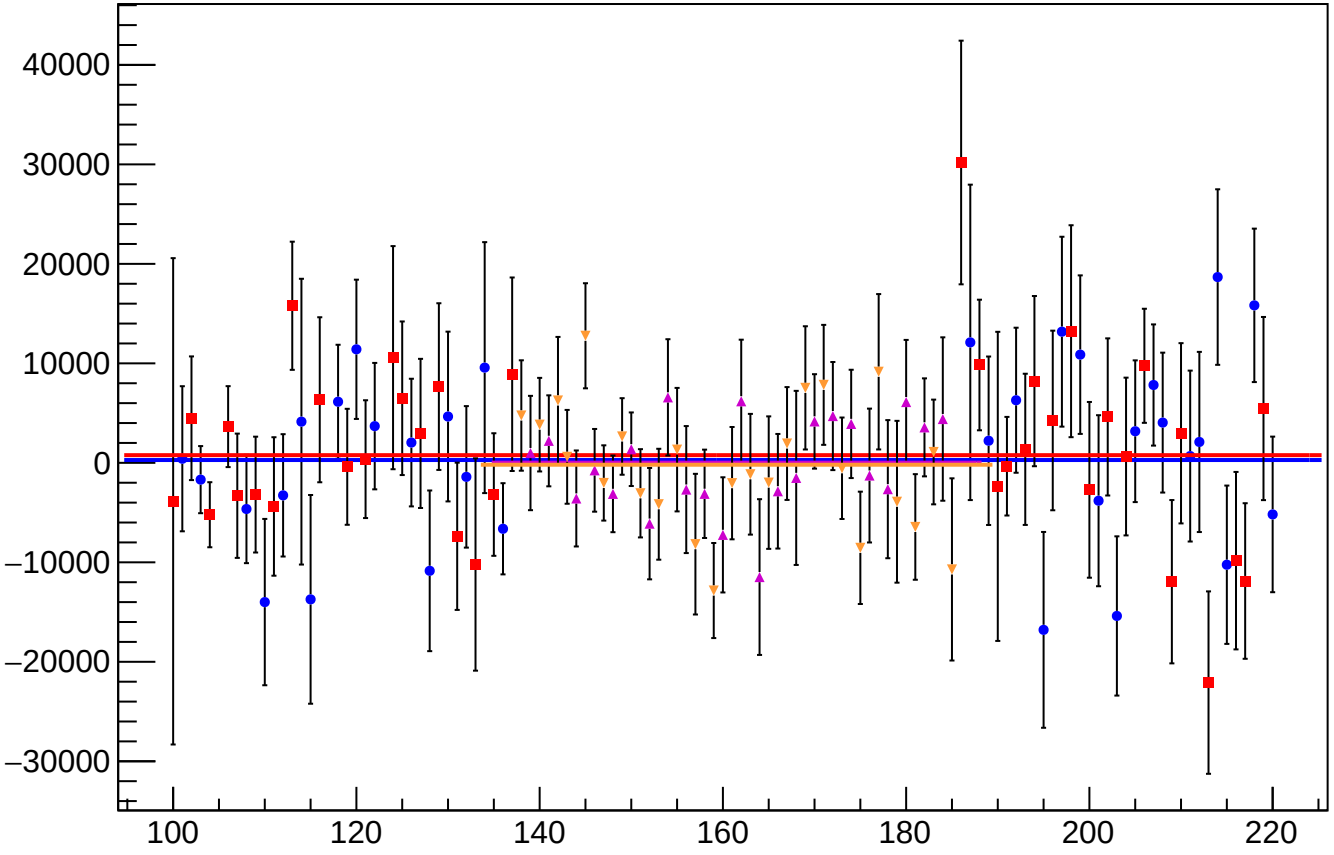
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1899.764+/-0.212 χ^2/NDF: 810474.8/57

All: 1899.860+/-0.151 χ^2/NDF: 1307838.4/11

- sign 1899.958+/-0.214 χ^2/NDF: 497363.1/59

asym_atr_avg_cor_correction_mean vs Slug



Right In: 281.598+/-1235.397 χ^2/NDF: 39.9/32

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 770.960+/-1149.917 χ^2/NDF: 42.9/36

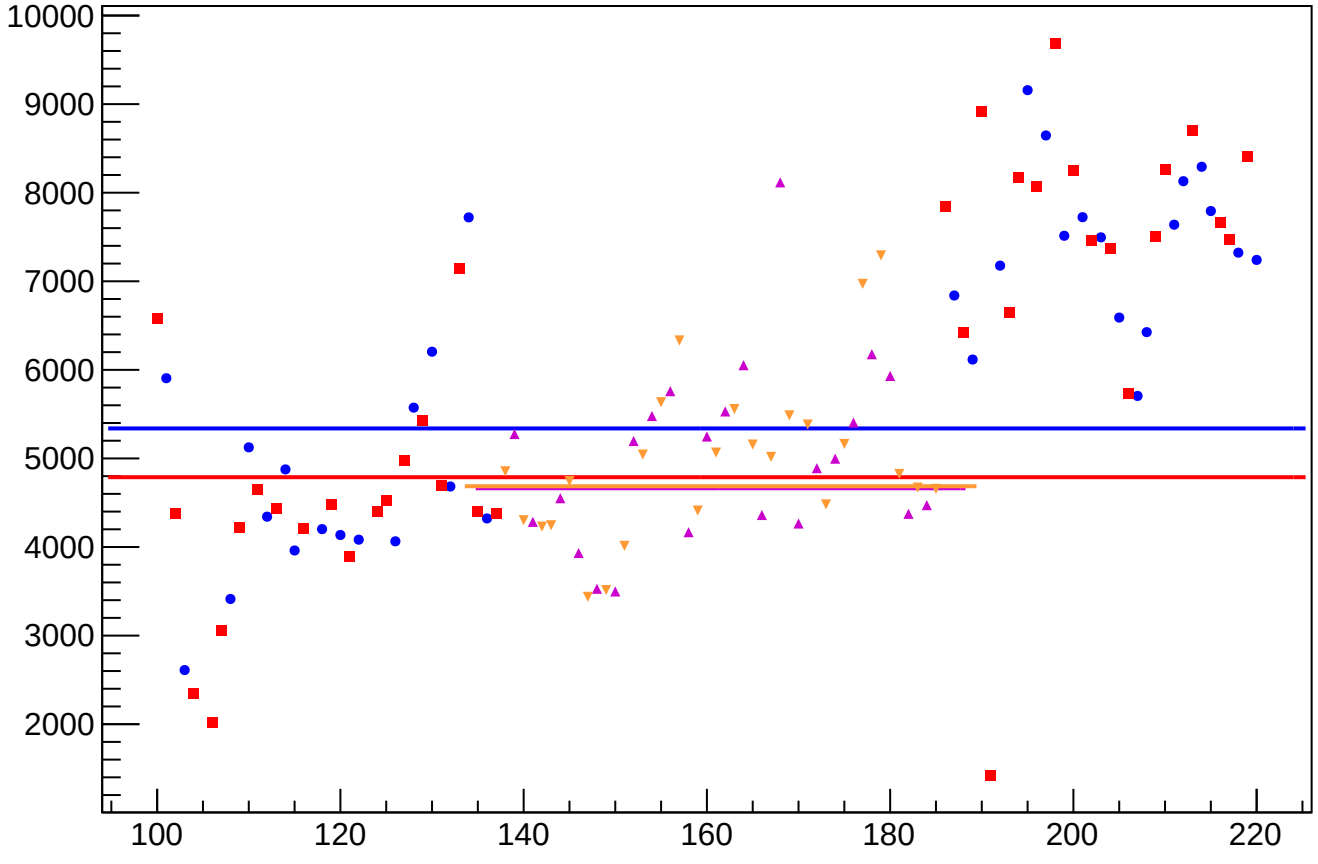
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

\+ sign 16.421+/-816.758 χ^2/NDF: 68.9/57

All: 203.500+/-571.367 χ^2/NDF: 125.9/117

\- sign 382.795+/-799.584 χ^2/NDF: 56.9/59

asym_atr_avg_cor_correction_rms vs Slug



Right In: 5338.687+/-0.874 χ^2/NDF: 4431351.8/32

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4788.277+/-0.813 χ^2/NDF: 7297255.4/36

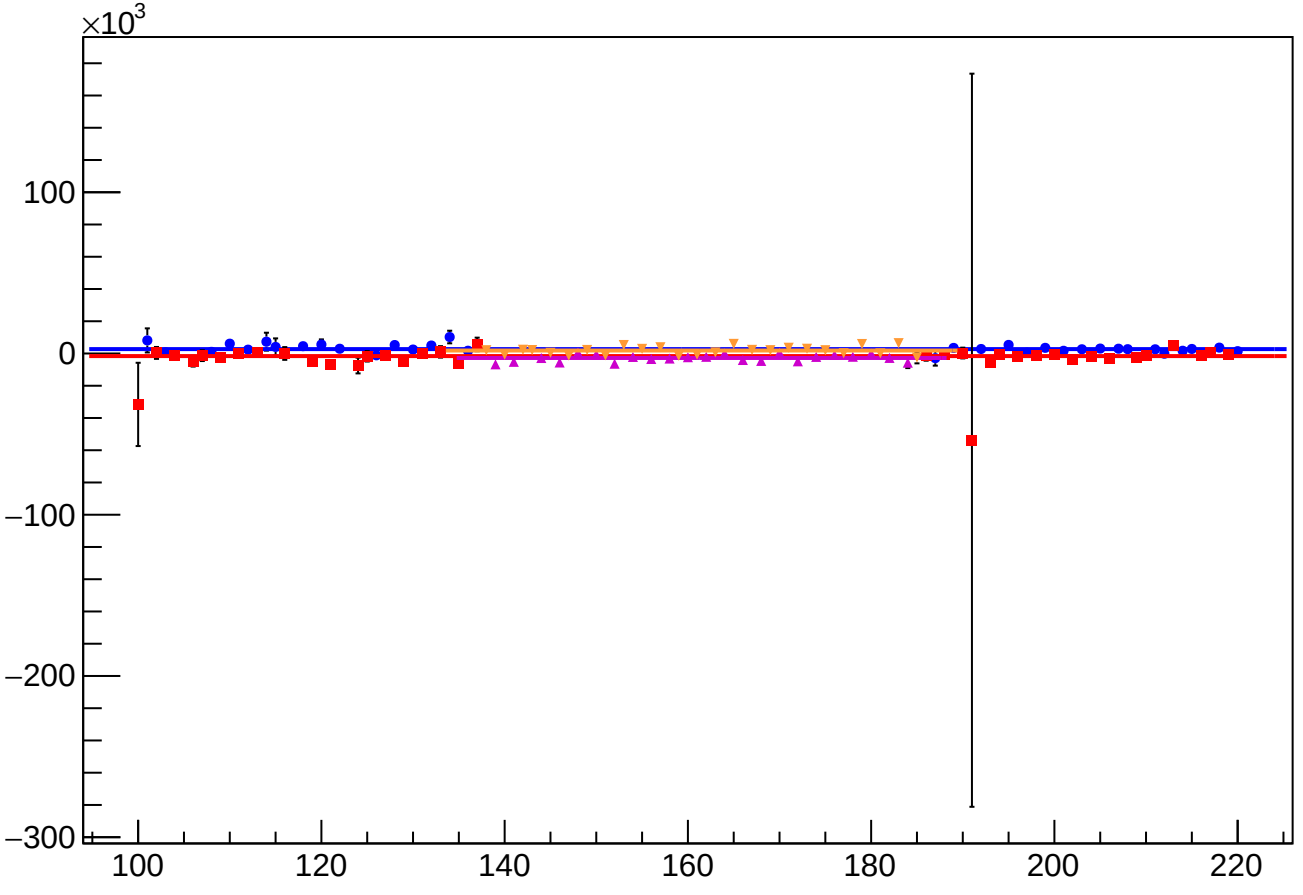
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4971.480+/-0.578 χ^2/NDF: 5930349.3/57

All: 4844.964+/-0.404 χ^2/NDF: 14620513.8/1

- sign 4723.713+/-0.565 χ^2/NDF: 8596185.3/59

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 2725.044+/-429.267 χ^2/NDF: 19.0/32

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -1605.573+/-427.267 χ^2/NDF: 34.2/36

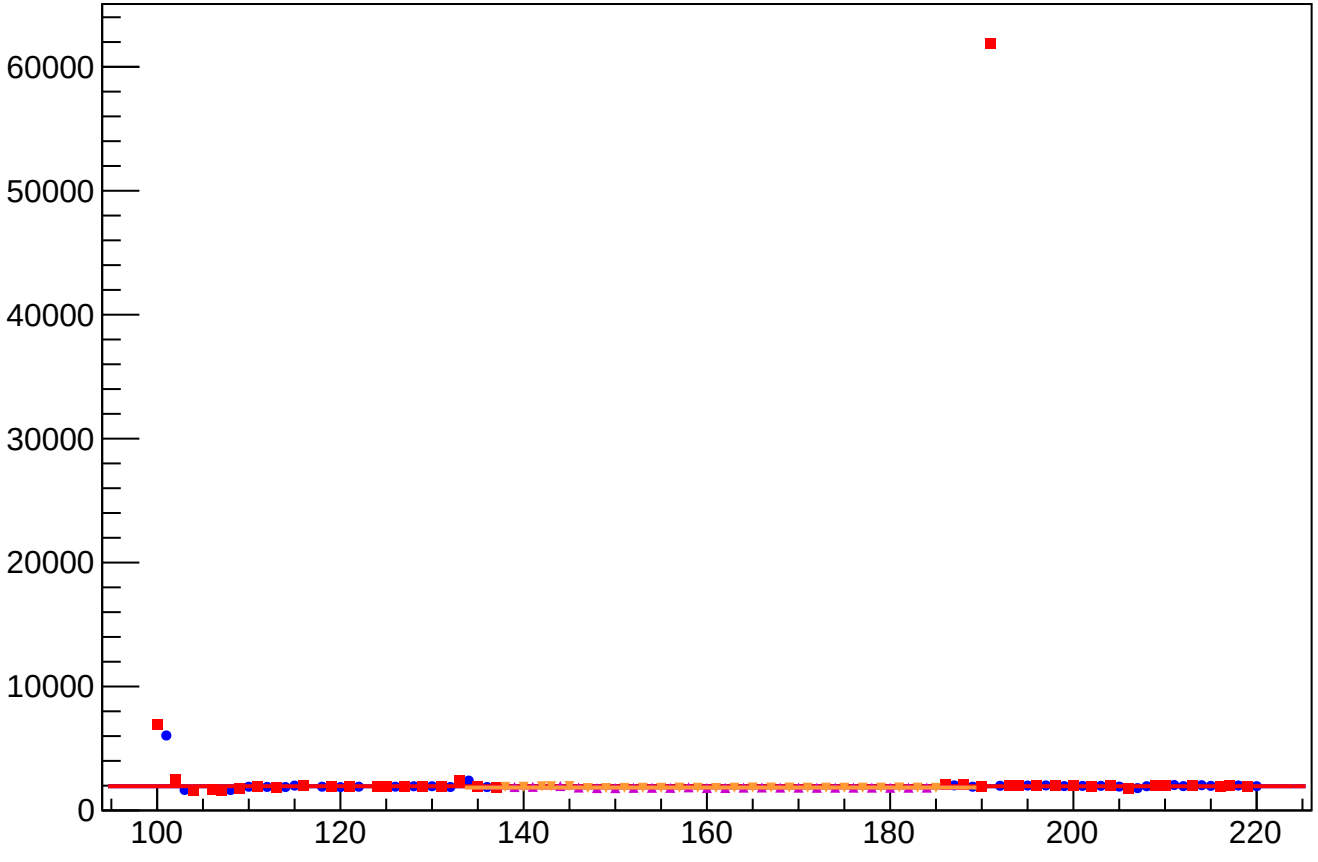
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2278.946+/-300.210 χ^2/NDF: 52.7/57

All: 70.115+/-213.396 χ^2/NDF: 225.4/117

- sign -2185.747+/-303.389 χ^2/NDF: 63.3/59

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1953.292+/-0.304 χ^2/NDF: 728720.7/32

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1953.879+/-0.302 χ^2/NDF: 418981.2/36

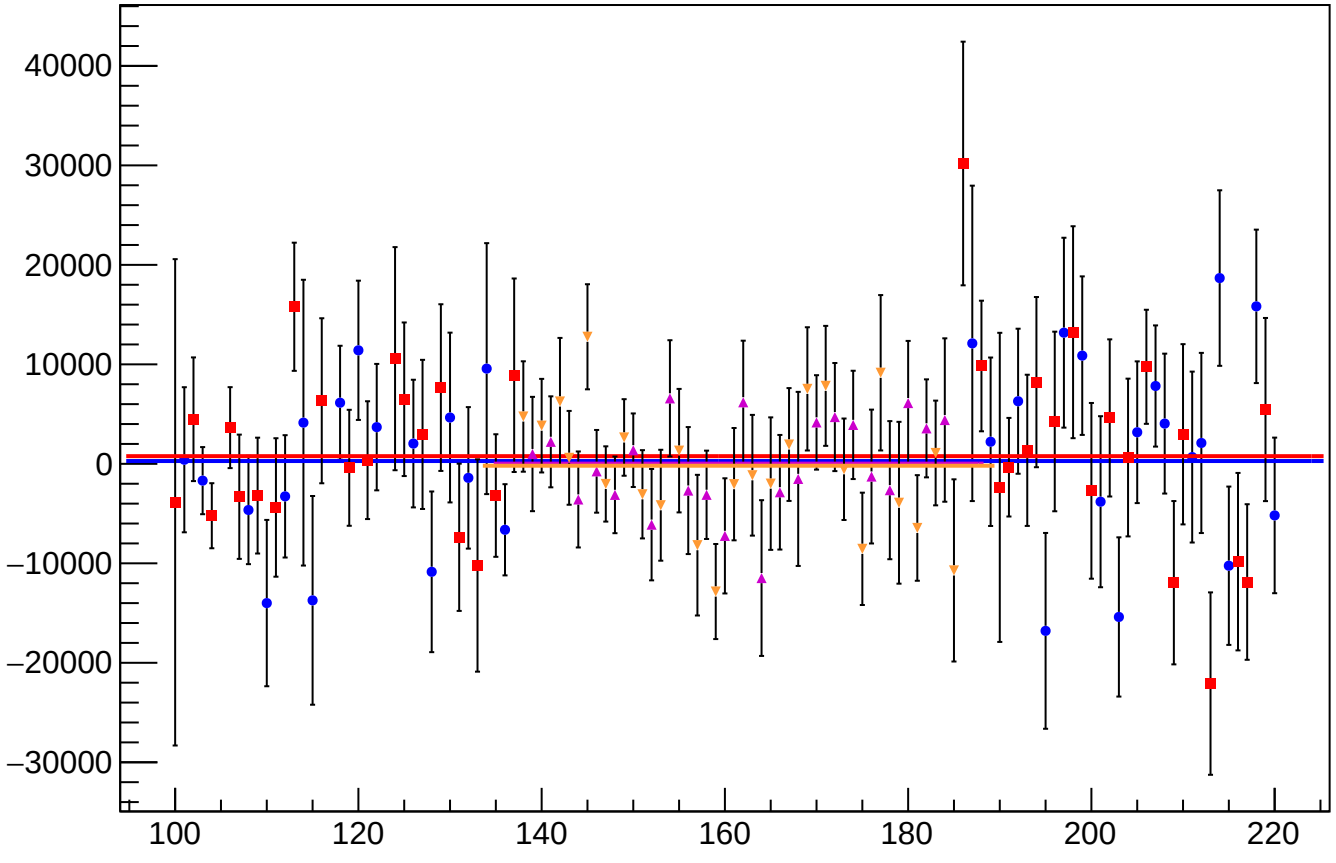
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1899.764+/-0.212 χ^2/NDF: 810474.8/57

All: 1899.860+/-0.151 χ^2/NDF: 1307838.4/11

- sign 1899.958+/-0.214 χ^2/NDF: 497363.1/59

asym_atr_avg_eigen_cor_correction_mean vs Slug



Right In: 281.598+/-1235.397 χ^2/NDF: 39.9/32

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 770.960+/-1149.917 χ^2/NDF: 42.9/36

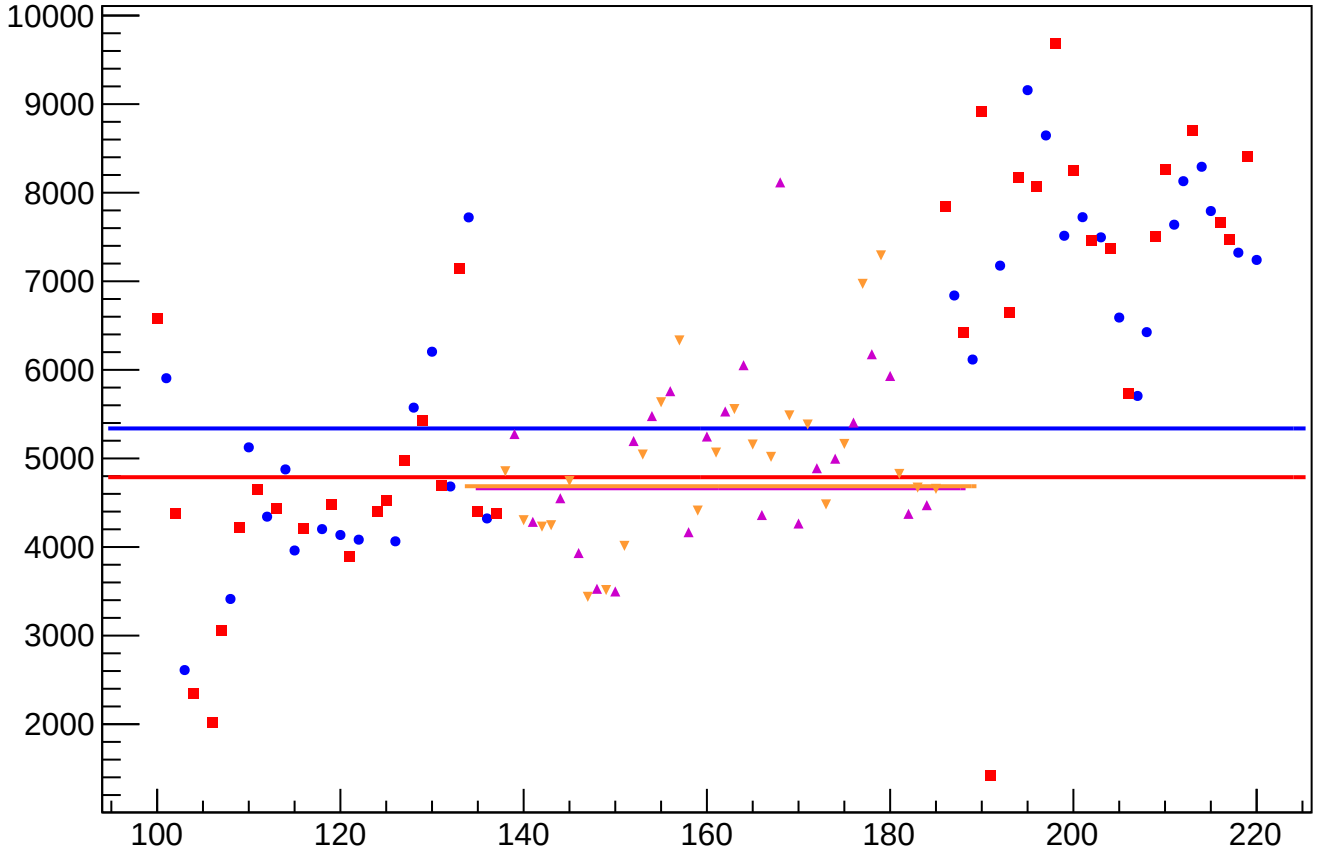
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

\+ sign 16.421+/-816.758 χ^2/NDF: 68.9/57

All: 203.500+/-571.367 χ^2/NDF: 125.9/117

\- sign 382.795+/-799.584 χ^2/NDF: 56.9/59

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 5338.687+/-0.874 χ^2/NDF: 4431351.8/32

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

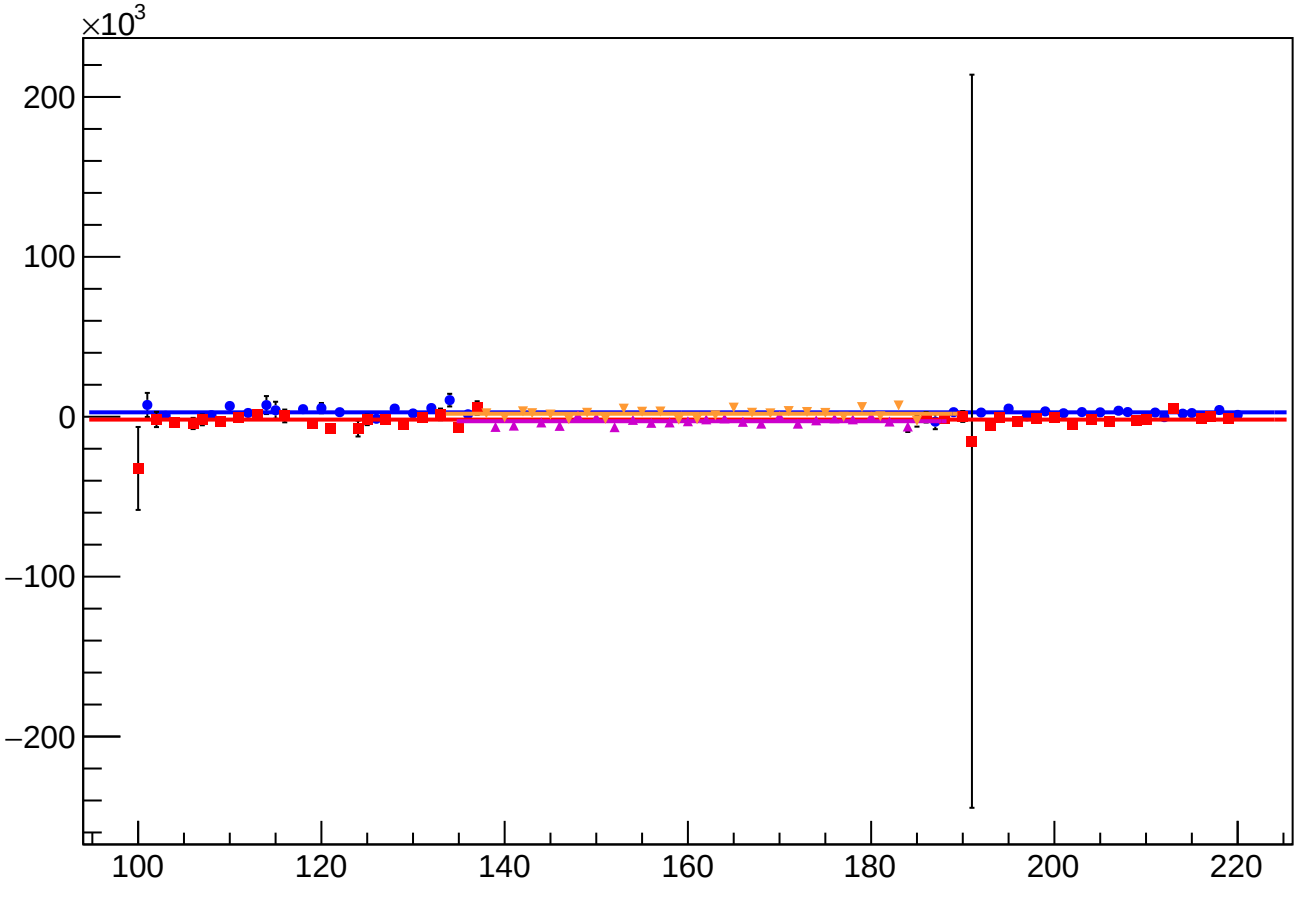
Right Out: 4788.277+/-0.813 χ^2/NDF: 7297255.4/36

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4971.480+/-0.578 χ^2/NDF: 5930349.3/57

All: 4844.964+/-0.404 χ^2/NDF: 14620513.8/1

- sign 4723.713+/-0.565 χ^2/NDF: 8596185.3/59



Right In: 2763.467+/-436.659 χ^2/NDF: 20.0/32

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -1775.530+/-435.643 χ^2/NDF: 35.7/36

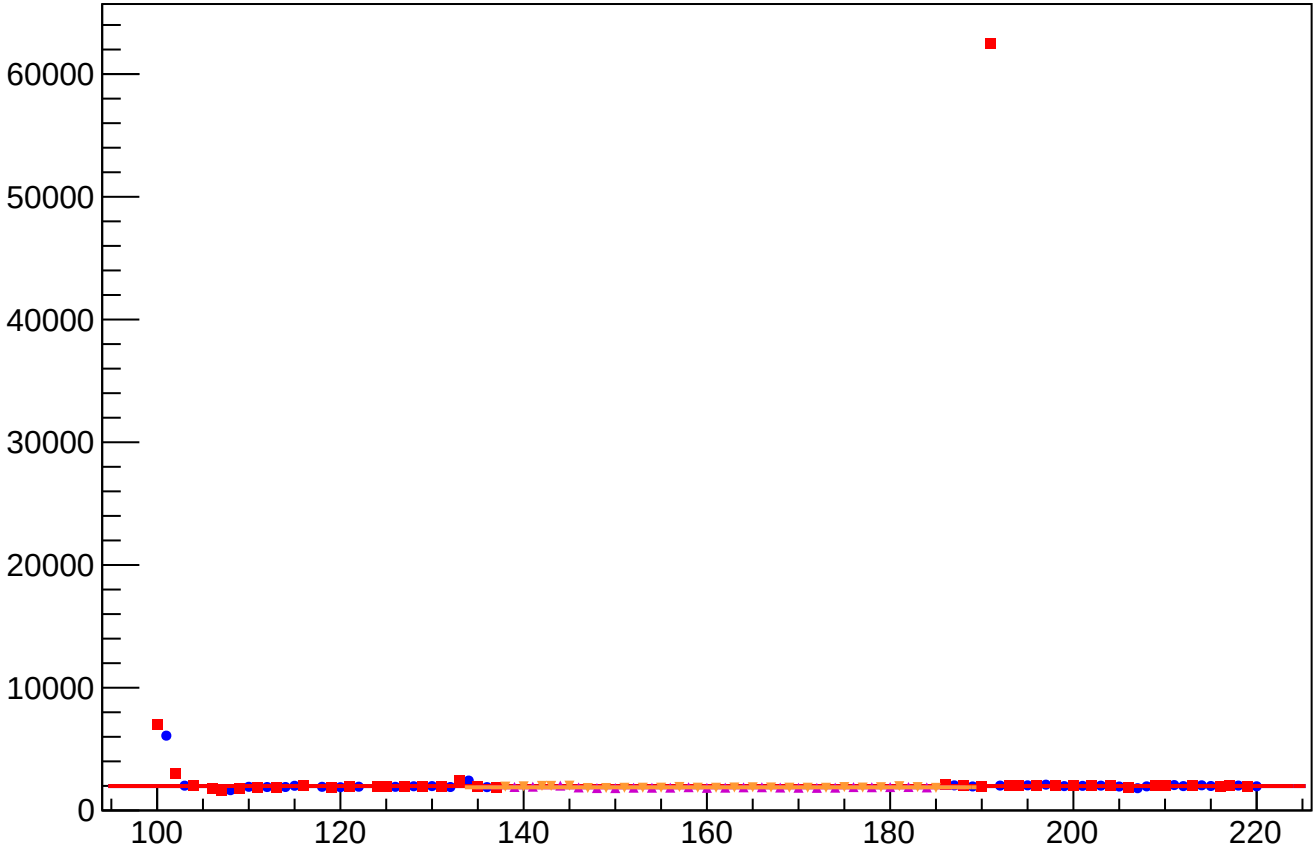
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2314.369+/-306.014 χ^2/NDF: 55.1/57

All: 40.404+/-217.540 χ^2/NDF: 230.6/117

- sign -2282.783+/-309.308 χ^2/NDF: 63.9/59

dit_asym_atr_avg_rms vs Slug



Right In: 1987.491+/-0.309 χ^2/NDF: 695961.0/32

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1989.061+/-0.308 χ^2/NDF: 437218.2/36

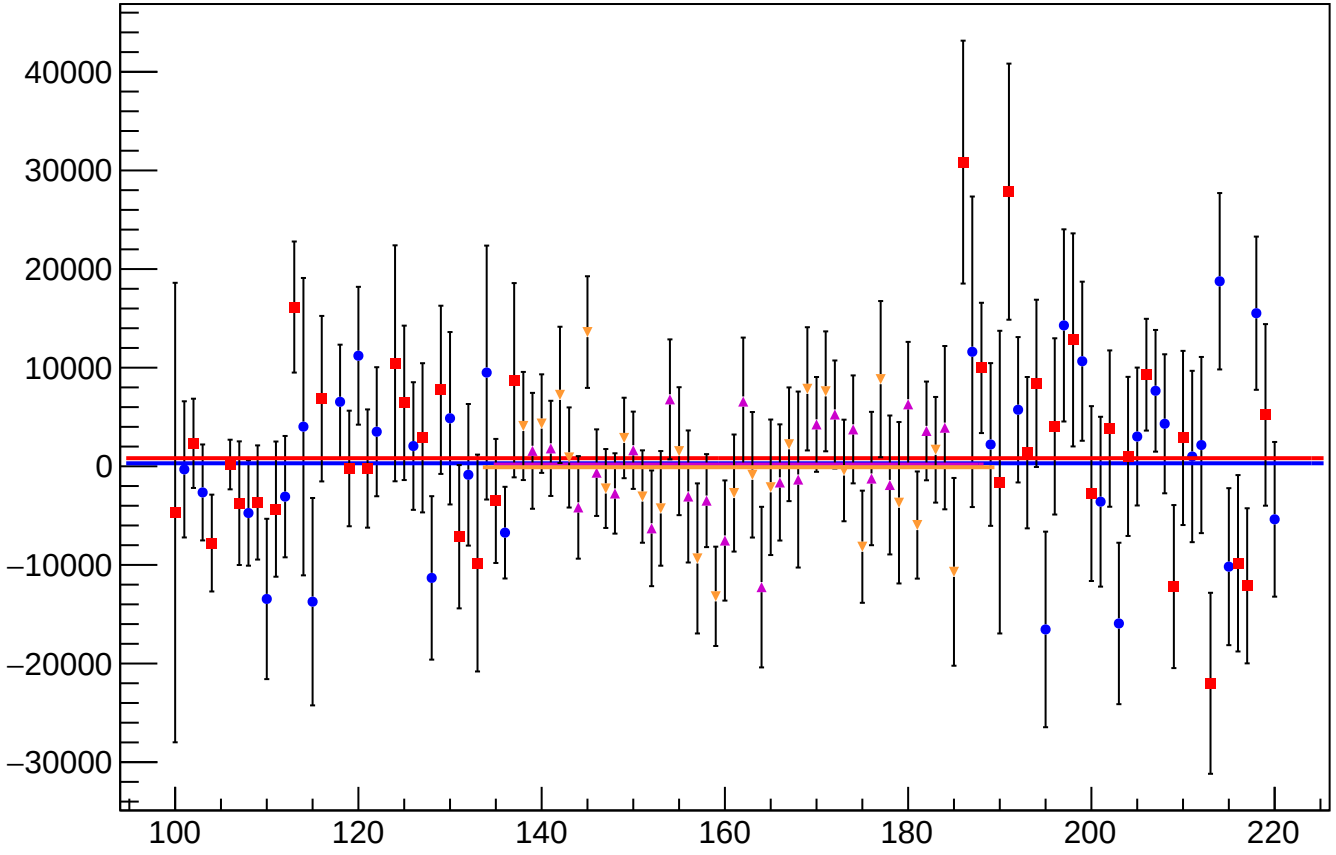
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1936.632+/-0.216 χ^2/NDF: 781235.7/57

All: 1935.963+/-0.154 χ^2/NDF: 1299034.1/11

- sign 1935.280+/-0.219 χ^2/NDF: 517779.0/59

asym_atr_avg_dit_correction_mean vs Slug



Right In: 306.173+/-1285.131 χ^2/NDF: 39.4/32

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 821.937+/-1129.113 χ^2/NDF: 46.1/36

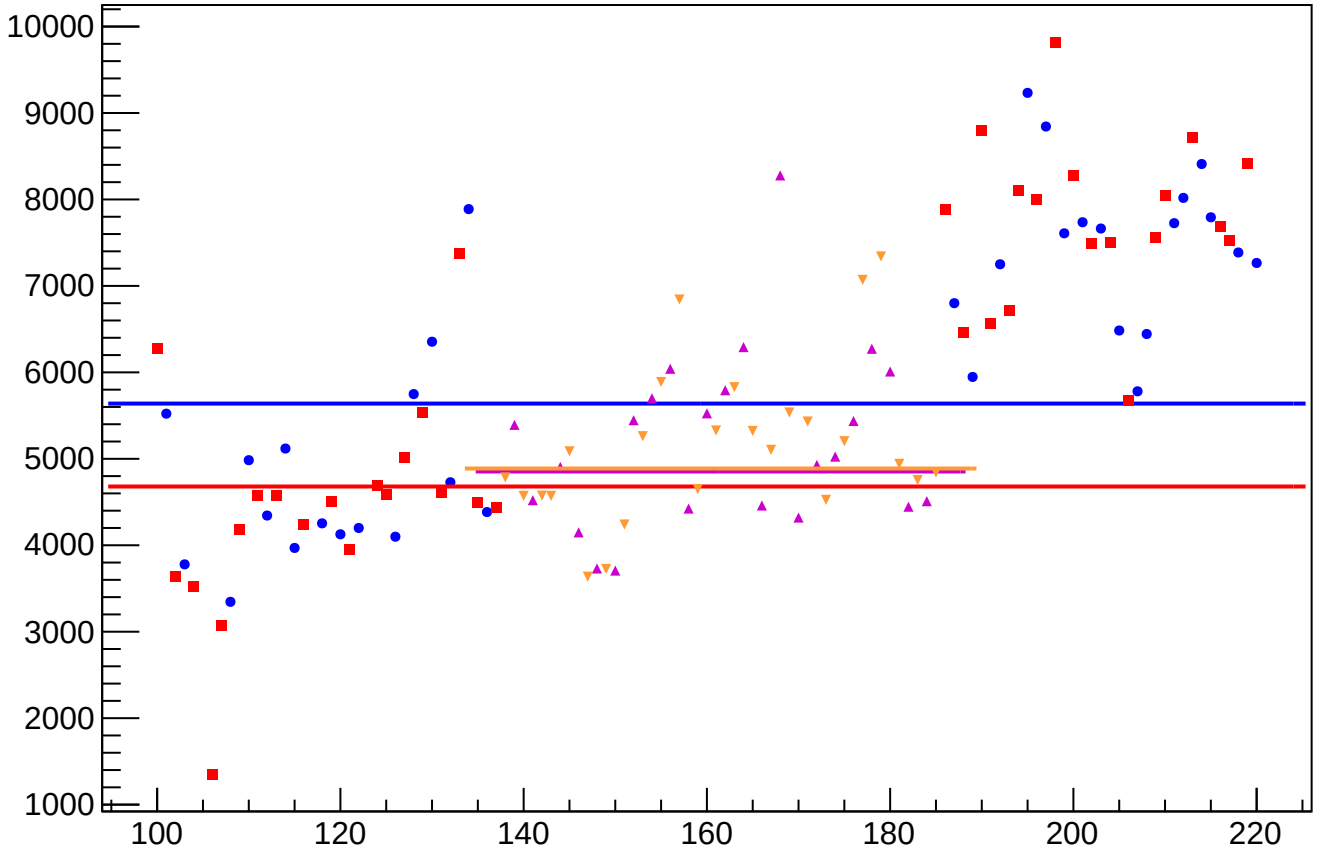
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign 82.238+/-849.973 χ^2/NDF: 67.5/57

All: 305.501+/-585.528 χ^2/NDF: 127.4/117

- sign 507.140+/-807.762 χ^2/NDF: 59.8/59

asym_atr_avg_dit_correction_rms vs Slug



Right In: 5638.884+/-0.909 χ^2/NDF: 3274752.1/32

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4679.746+/-0.798 χ^2/NDF: 8356573.1/36

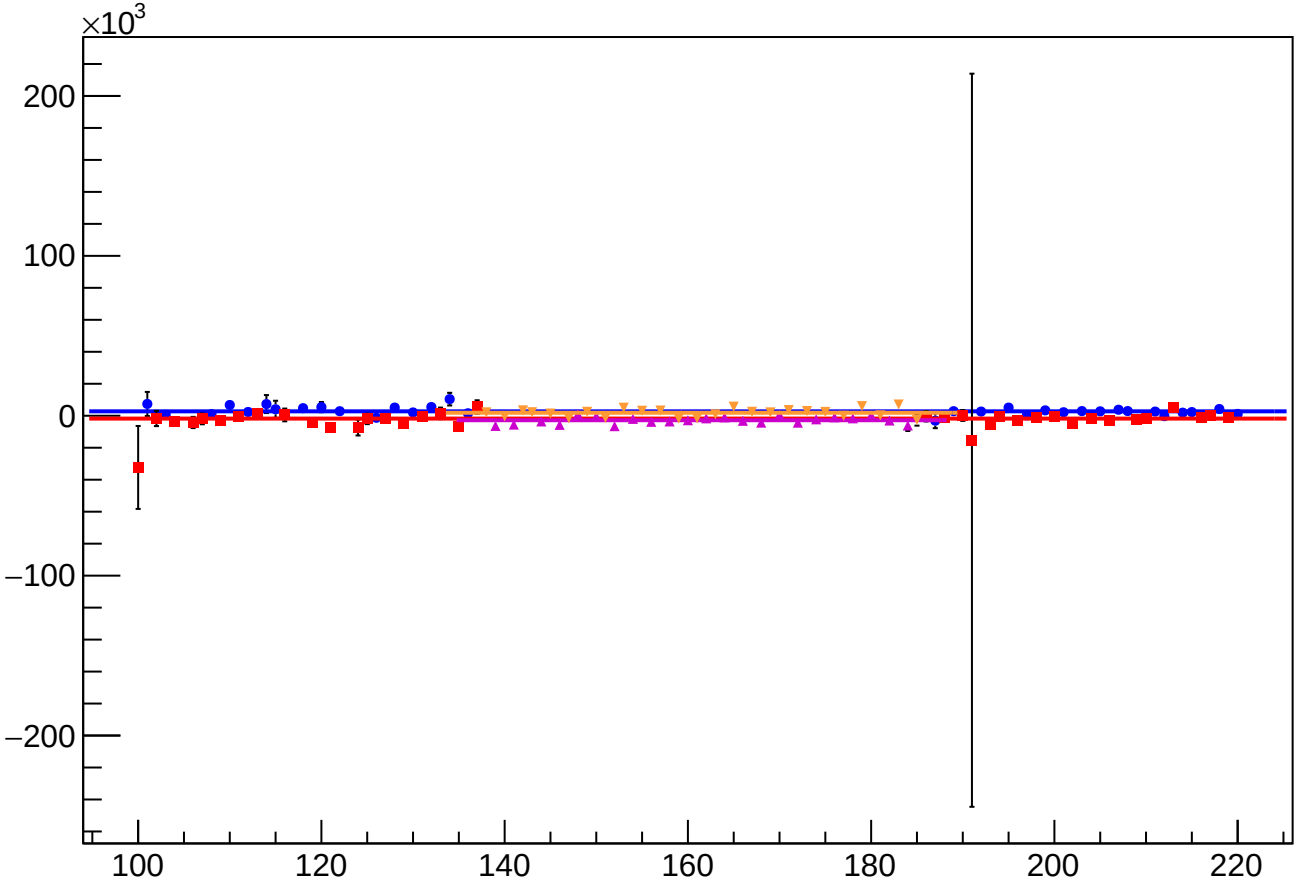
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 5216.365+/-0.601 χ^2/NDF: 4722338.9/57

All: 4978.938+/-0.414 χ^2/NDF: 14577630.5/1

- sign 4764.508+/-0.571 χ^2/NDF: 9558295.9/59

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 2763.463+/-436.659 χ^2/NDF: 20.0/32

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -1775.531+/-435.643 χ^2/NDF: 35.7/36

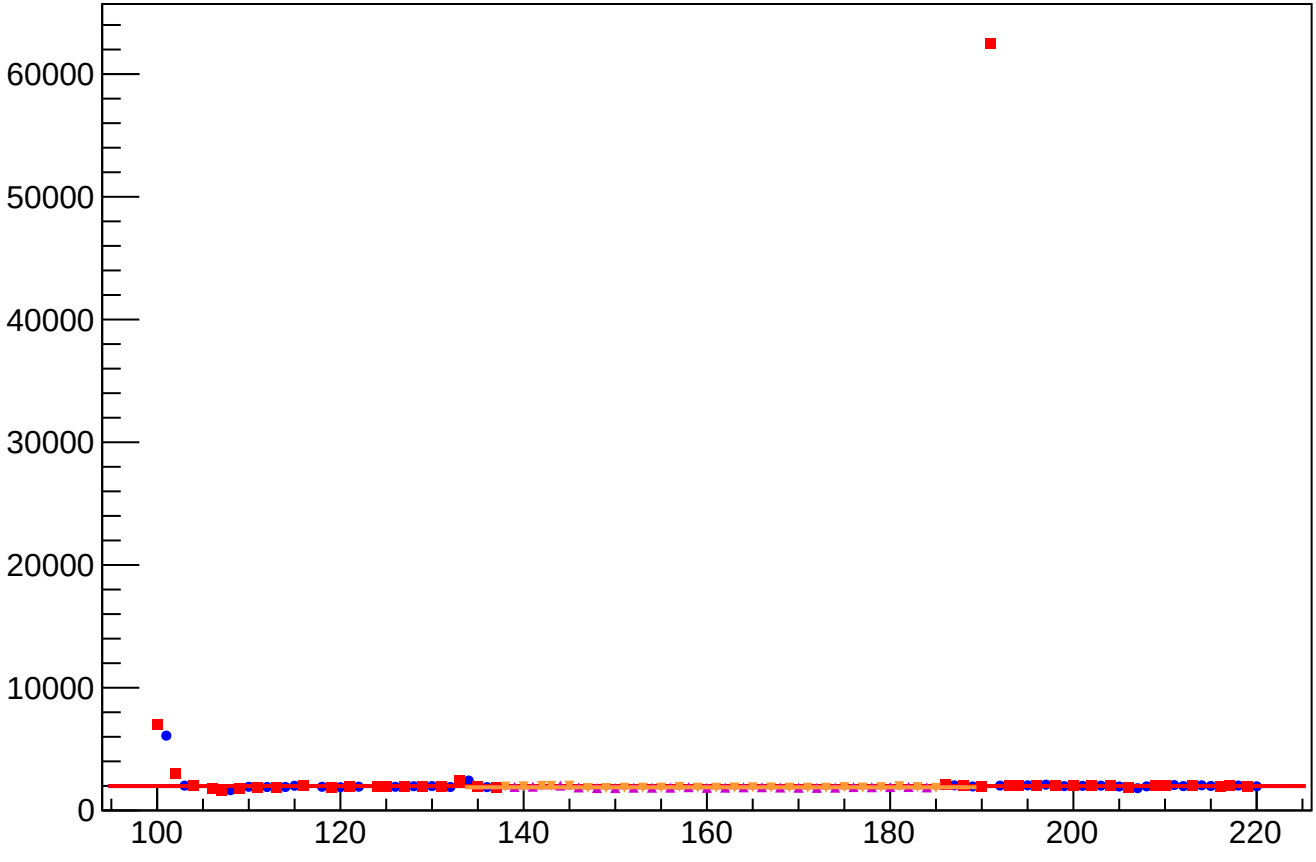
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2314.364+/-306.014 χ^2/NDF: 55.1/57

All: 40.401+/-217.540 χ^2/NDF: 230.6/117

- sign -2282.783+/-309.308 χ^2/NDF: 63.9/59

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1987.491+/-0.309 χ^2/NDF: 695961.2/32

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

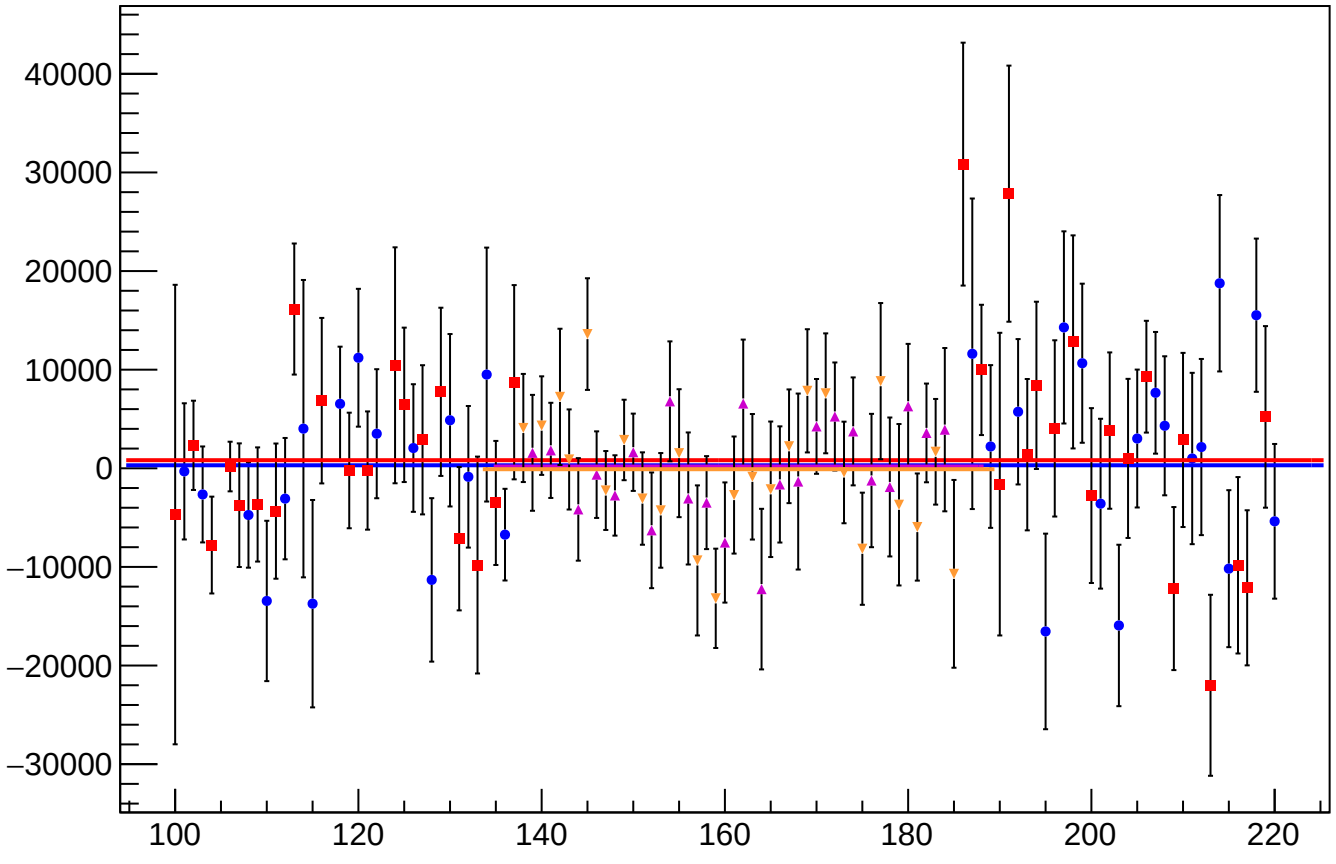
Right Out: 1989.061+/-0.308 χ^2/NDF: 437217.7/36

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1936.632+/-0.216 χ^2/NDF: 781235.0/57

All: 1935.963+/-0.154 χ^2/NDF: 1299032.0/11

- sign 1935.280+/-0.219 χ^2/NDF: 517777.6/59



Right In: 306.179+/-1285.130 χ^2/NDF: 39.4/32

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 821.936+/-1129.112 χ^2/NDF: 46.1/36

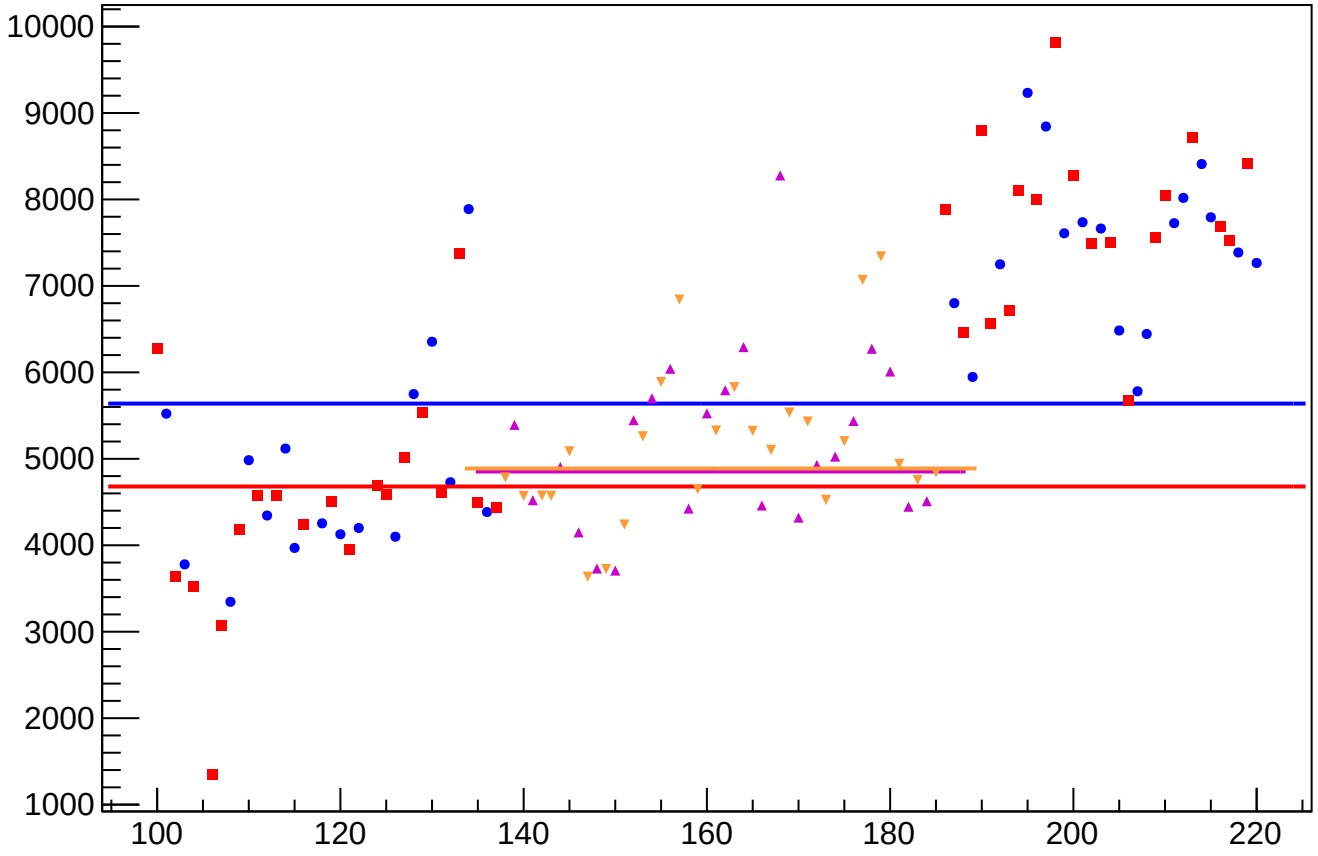
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign 82.239+/-849.973 χ^2/NDF: 67.5/57

All: 305.502+/-585.528 χ^2/NDF: 127.4/117

- sign 507.141+/-807.763 χ^2/NDF: 59.8/59

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 5638.879+/-0.909 χ^2/NDF: 3274776.9/32

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4679.737+/-0.798 χ^2/NDF: 8356623.4/36

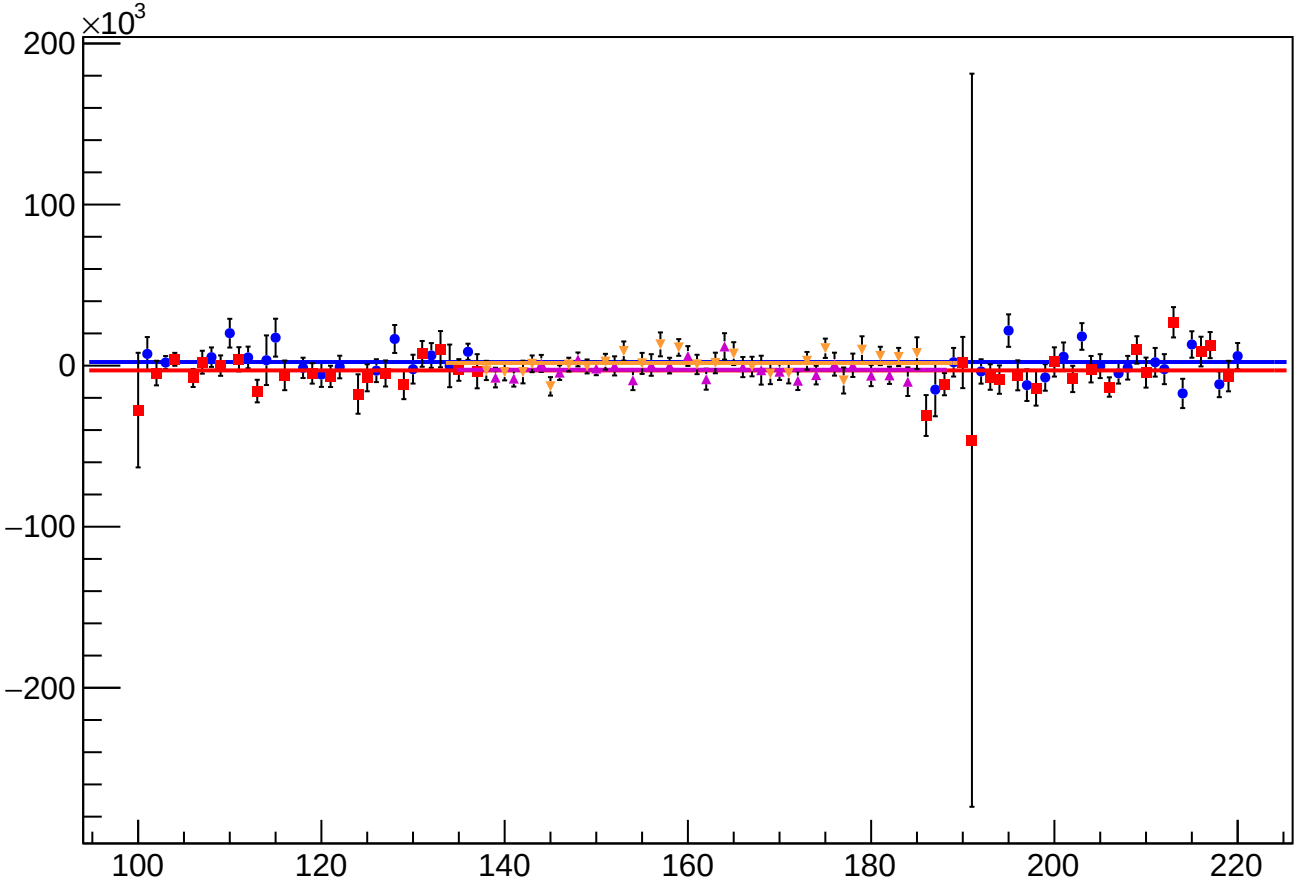
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 5216.368+/-0.601 χ^2/NDF: 4722352.3/57

All: 4978.939+/-0.414 χ^2/NDF: 14577706.4/1

- sign 4764.506+/-0.571 χ^2/NDF: 9558353.0/59

asym_atr_avg_mean vs Slug



Right In: 2246.031+/-1343.611 χ^2/NDF: 37.4/32

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -2958.076+/-1310.830 χ^2/NDF: 45.3/36

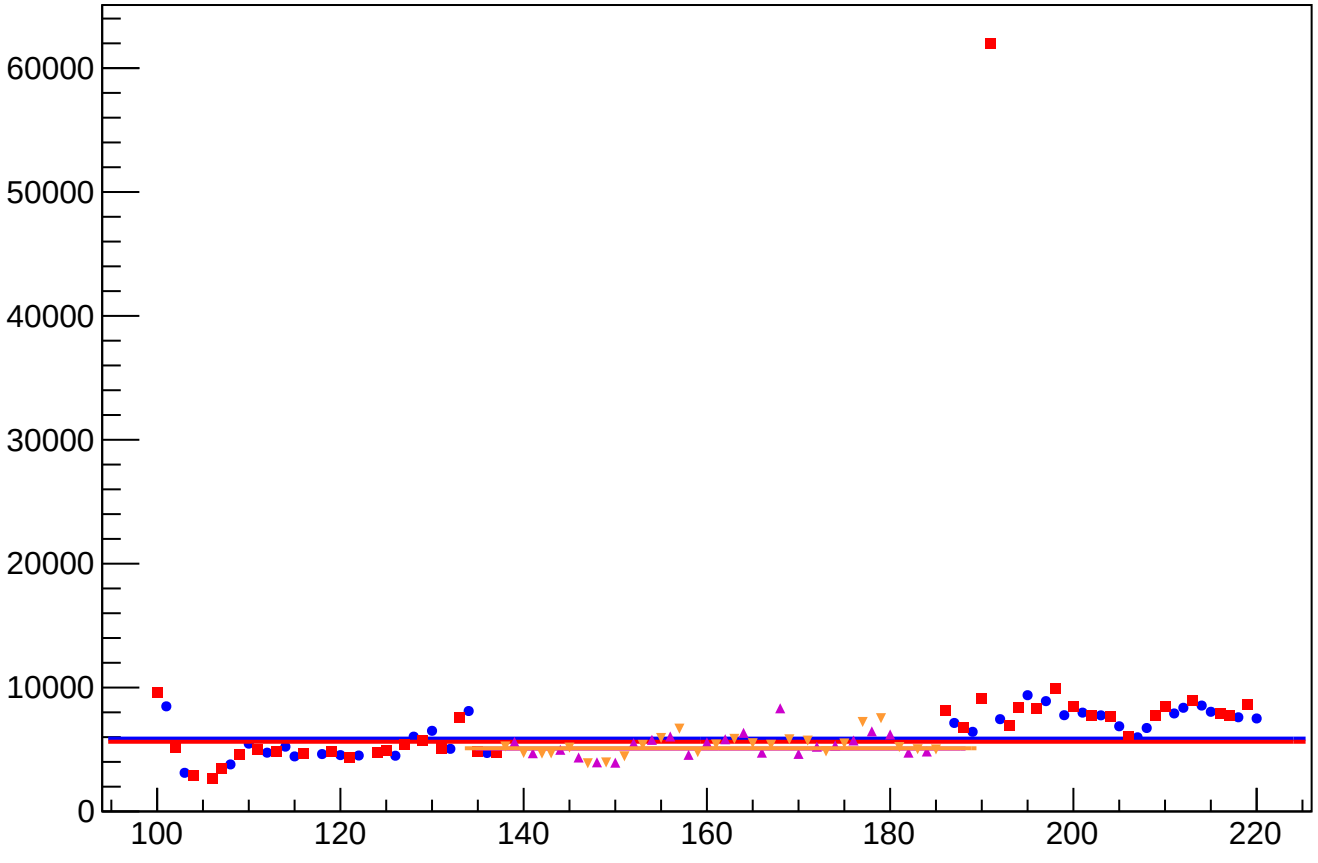
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 1911.809+/-886.048 χ^2/NDF: 63.5/57

All: -413.944+/-626.832 χ^2/NDF: 138.6/117

- sign -2744.186+/-886.902 χ^2/NDF: 61.3/59

asym_atr_avg_rms vs Slug



Right In: 5879.767+/-0.950 χ^2/NDF: 3535875.7/32

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

Right Out: 5626.331+/-0.922 χ^2/NDF: 4757896.0/36

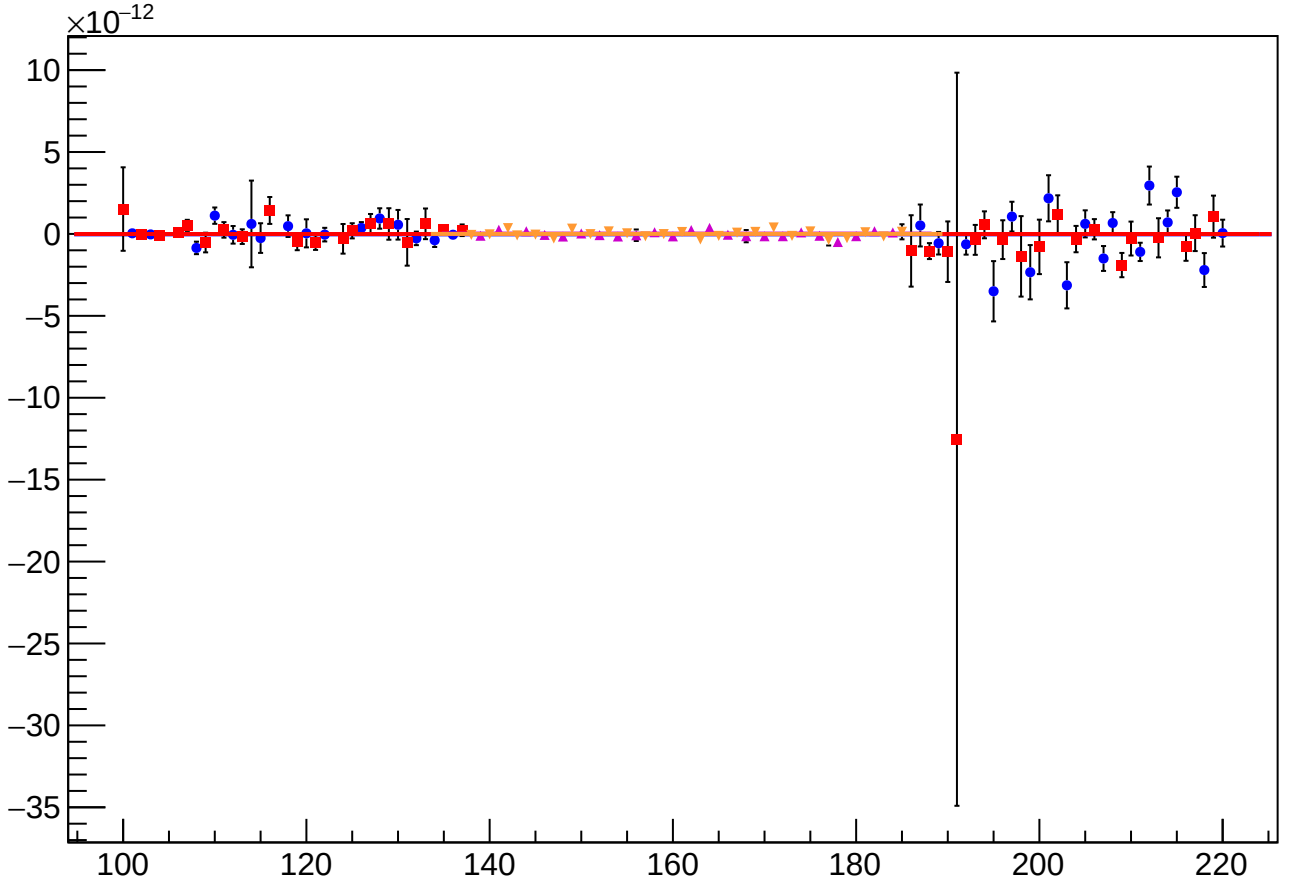
Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5439.465+/-0.627 χ^2/NDF: 4825256.1/57

All: 5383.685+/-0.443 χ^2/NDF: 10784872.4/1

- sign 5328.071+/-0.626 χ^2/NDF: 5943787.1/59

asym_atr_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 60.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 31.7/36

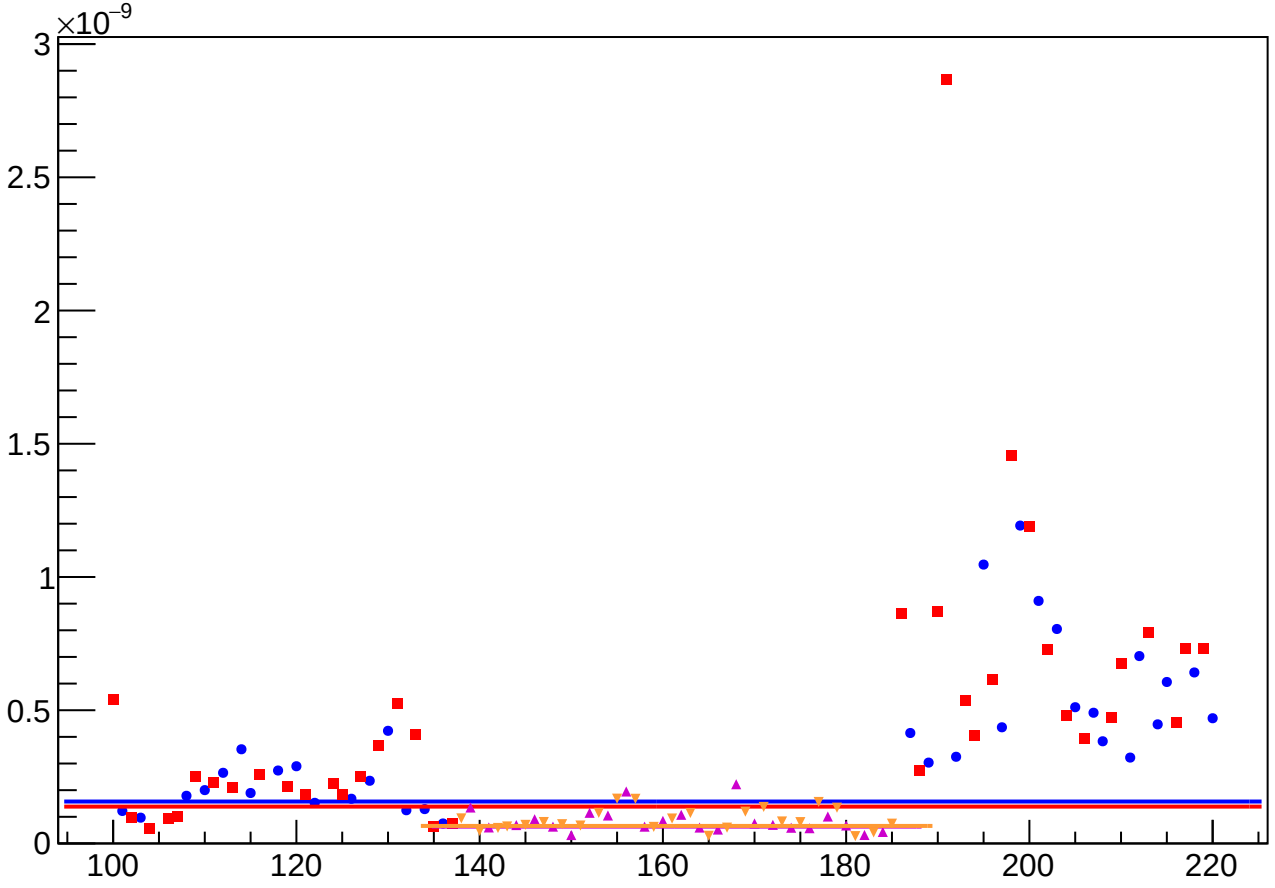
Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 93.8/57

All: 0.000+/-0.000 χ^2/NDF: 158.3/117

- sign 0.000+/-0.000 χ^2/NDF: 64.3/59

asym_atr_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7510576.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9474594.5/36

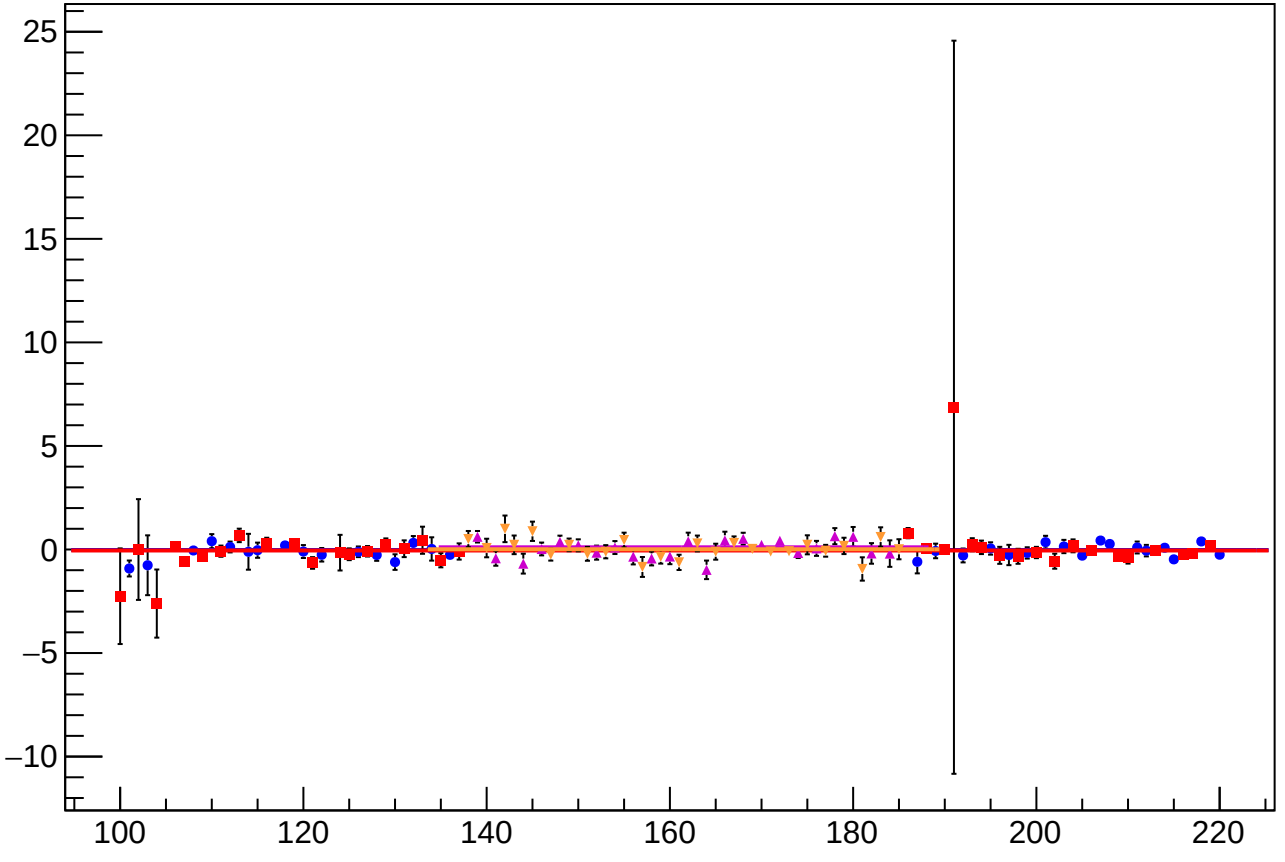
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 12882845.3/57

All: 0.000+/-0.000 χ^2/NDF: 26619188.5/117

- sign 0.000+/-0.000 χ^2/NDF: 13708372.0/59

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.047 χ^2/NDF: 41.9/32

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.047+/-0.043 χ^2/NDF: 51.7/36

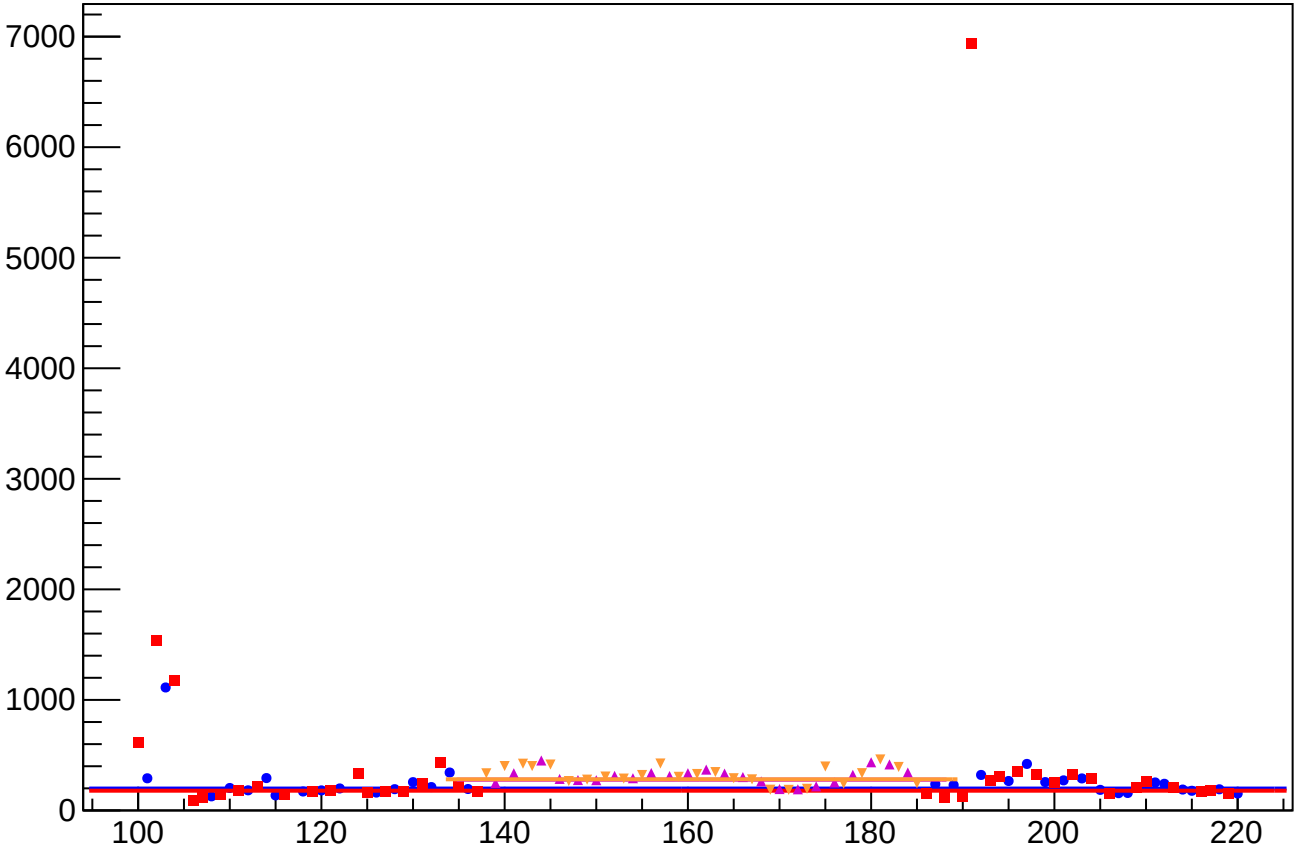
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.014+/-0.038 χ^2/NDF: 67.3/57

All: -0.009+/-0.027 χ^2/NDF: 154.0/117

- sign -0.004+/-0.037 χ^2/NDF: 86.6/59

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 198.024+/-0.033 χ^2/NDF: 3190726.7/32

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 178.751+/-0.031 χ^2/NDF: 5721720.8/36

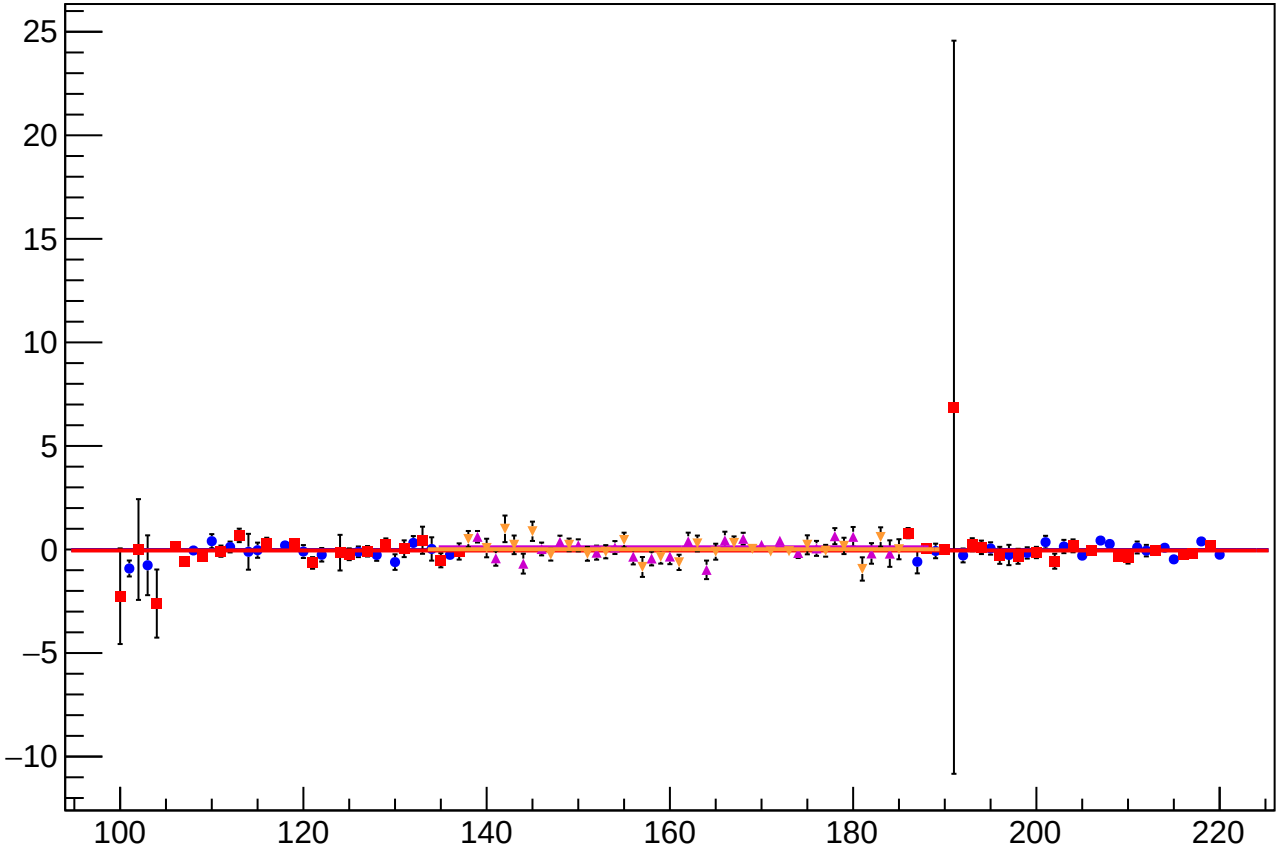
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 224.761+/-0.027 χ^2/NDF: 7776627.0/57

All: 215.559+/-0.019 χ^2/NDF: 18533385.9/11

- sign 207.194+/-0.026 χ^2/NDF: 10537918.1/59

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.026+/-0.047 χ^2/NDF: 41.9/32

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.047+/-0.043 χ^2/NDF: 51.7/36

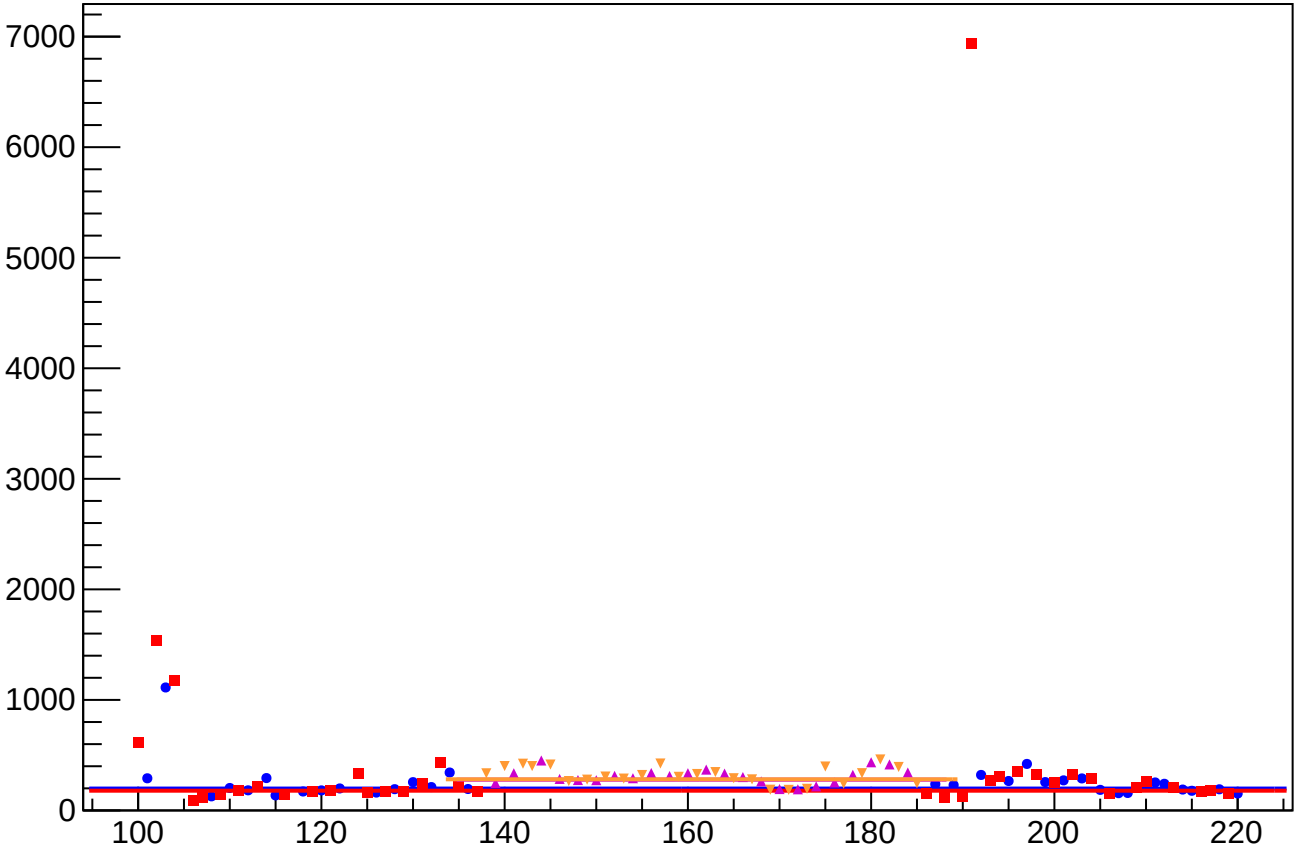
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.014+/-0.038 χ^2/NDF: 67.3/57

All: -0.009+/-0.027 χ^2/NDF: 154.0/117

\- sign -0.004+/-0.037 χ^2/NDF: 86.6/59

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 198.024+/-0.033 χ^2/NDF: 3190726.7/32

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

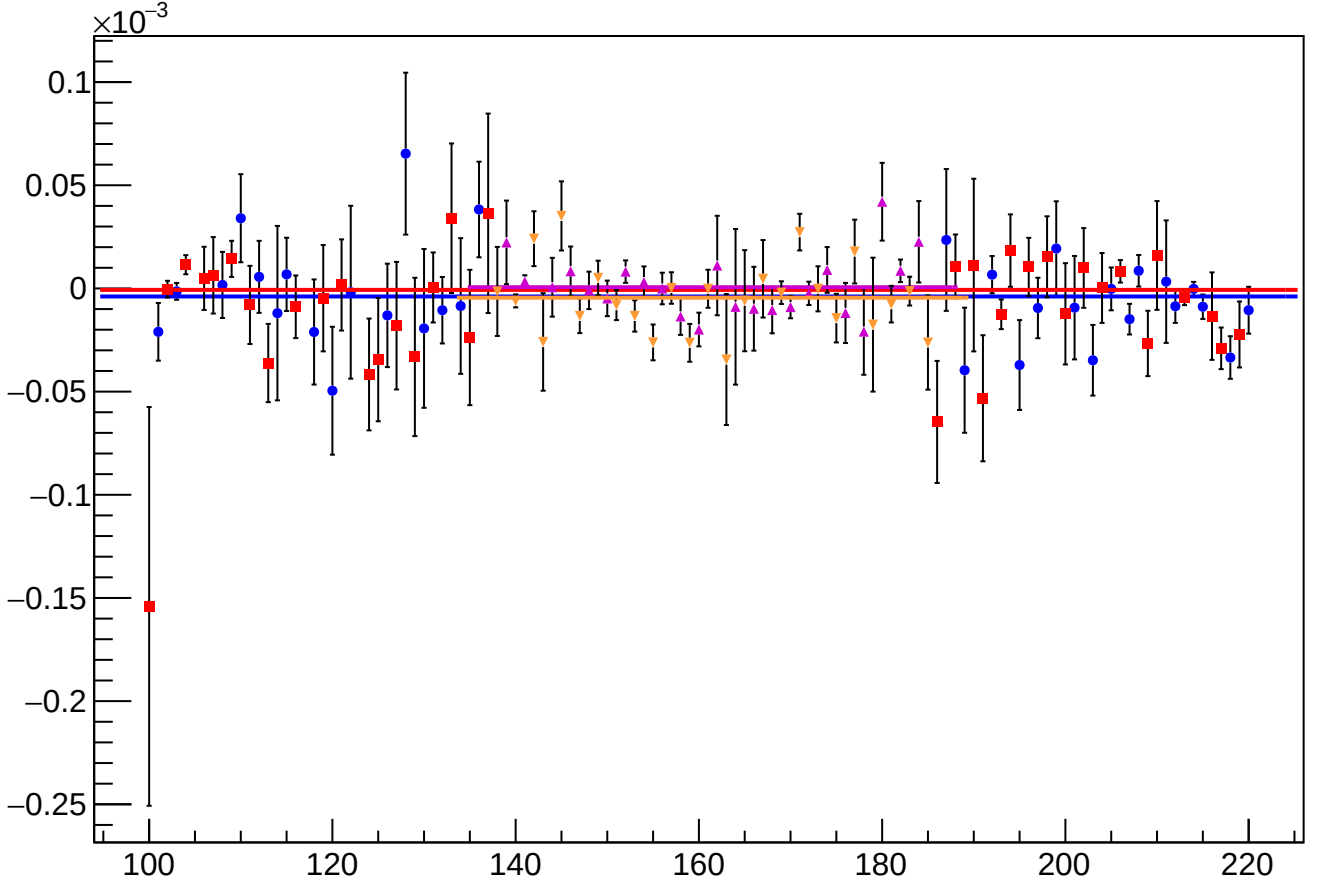
Right Out: 178.751+/-0.031 χ^2/NDF: 5721720.8/36

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 224.761+/-0.027 χ^2/NDF: 7776627.0/57

All: 215.559+/-0.019 χ^2/NDF: 18533385.9/11

- sign 207.194+/-0.026 χ^2/NDF: 10537918.1/59



Right In: -0.000+/-0.000 χ^2/NDF: 41.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: -0.000+/-0.000 χ^2/NDF: 54.1/36

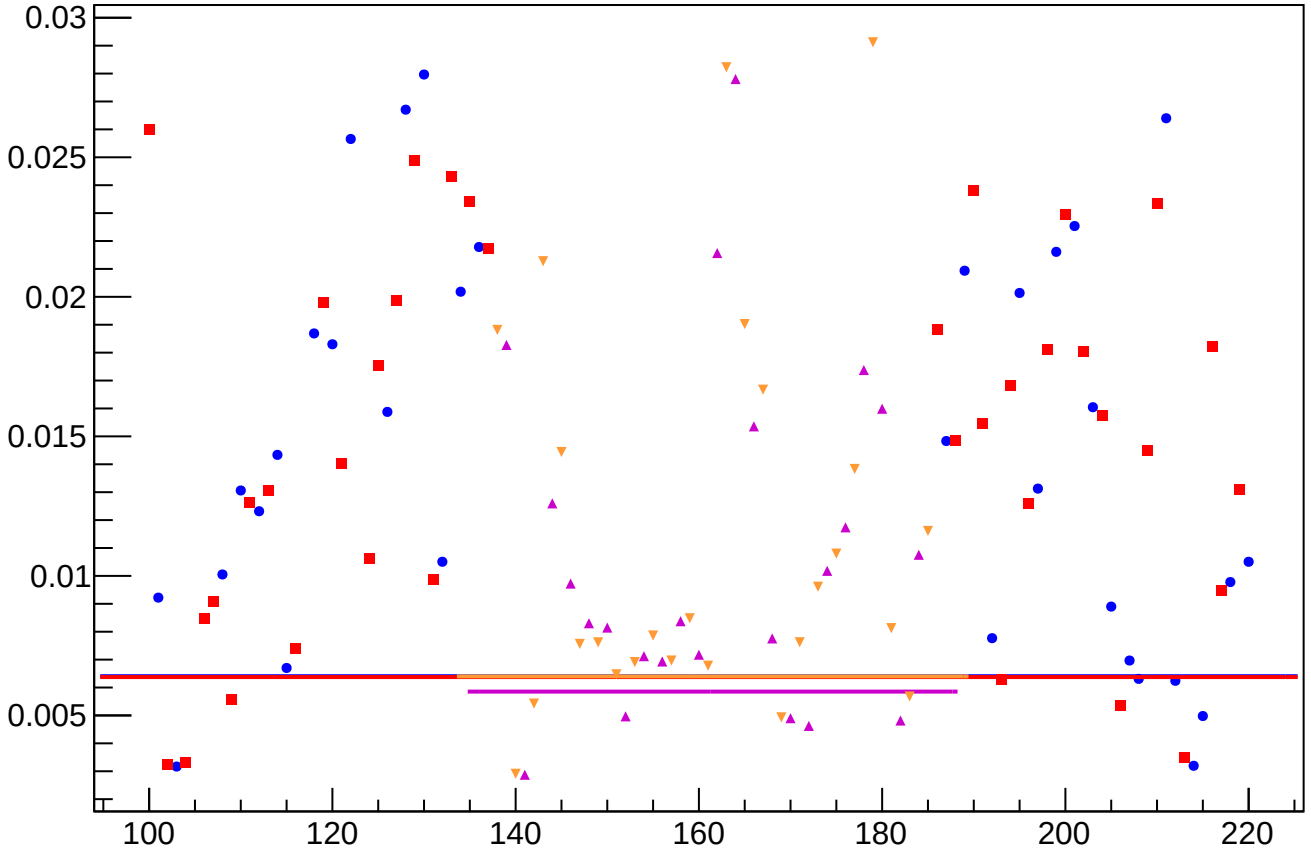
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 87.8/57

All: -0.000+/-0.000 χ^2/NDF: 177.2/117

- sign -0.000+/-0.000 χ^2/NDF: 83.4/59

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 13531438.7/32

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.006+/-0.000 χ^2/NDF: 15335328.1/36

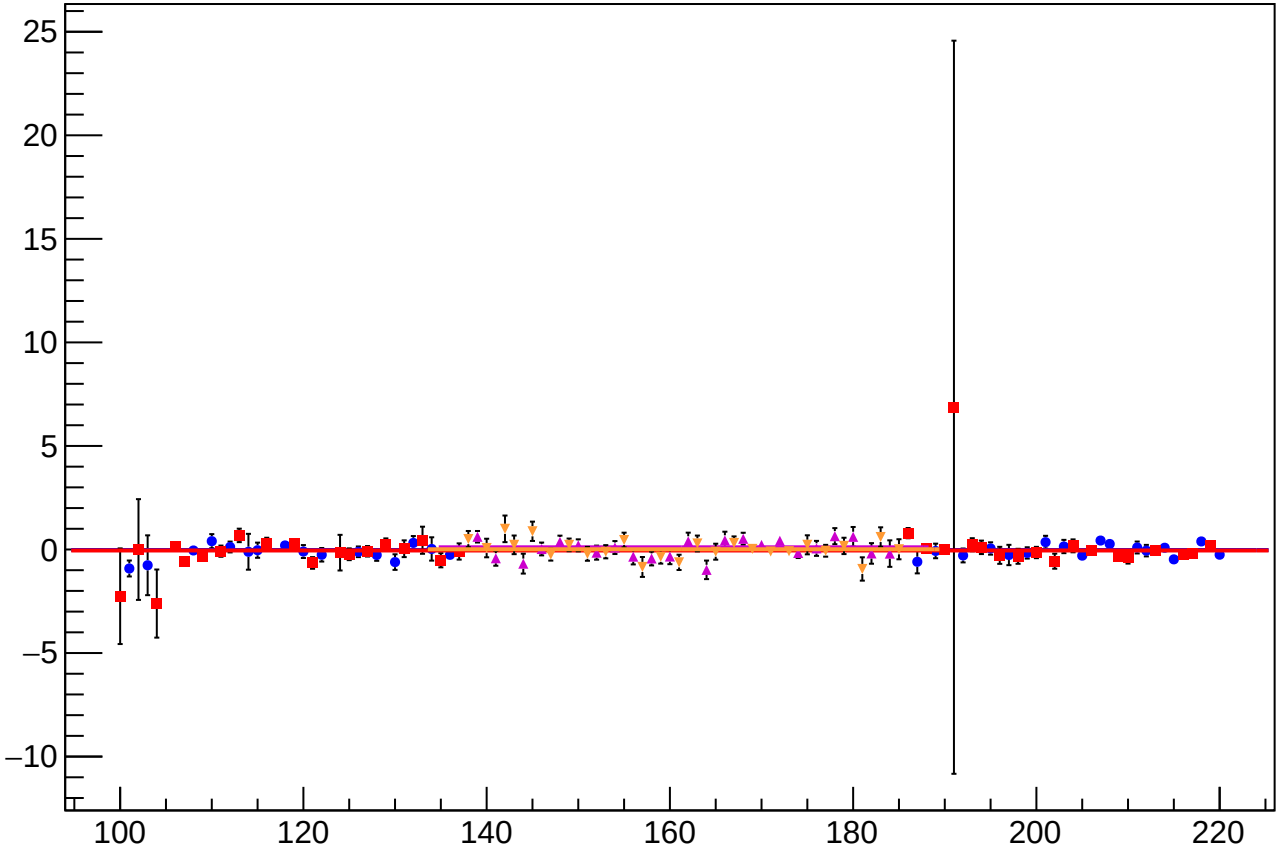
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

+ sign 0.006+/-0.000 χ^2/NDF: 22495711.9/57

All: 0.006+/-0.000 χ^2/NDF: 46132814.3/117

- sign 0.006+/-0.000 χ^2/NDF: 23573510.9/59

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.026+/-0.047 χ^2/NDF: 41.9/32

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.047+/-0.043 χ^2/NDF: 51.7/36

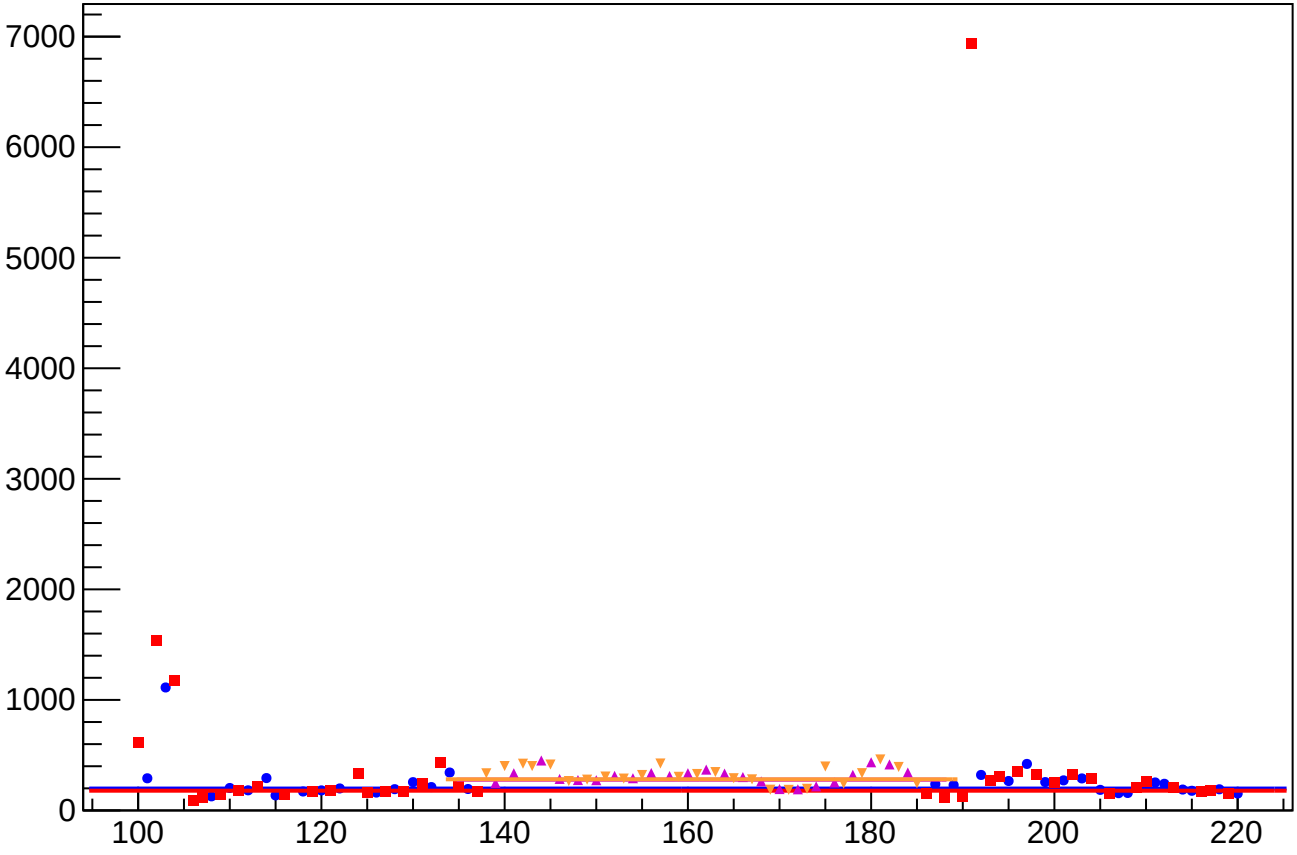
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.014+/-0.038 χ^2/NDF: 67.3/57

All: -0.009+/-0.027 χ^2/NDF: 154.0/117

\- sign -0.004+/-0.037 χ^2/NDF: 86.6/59

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 198.023+/-0.033 χ^2/NDF: 3190747.0/32

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

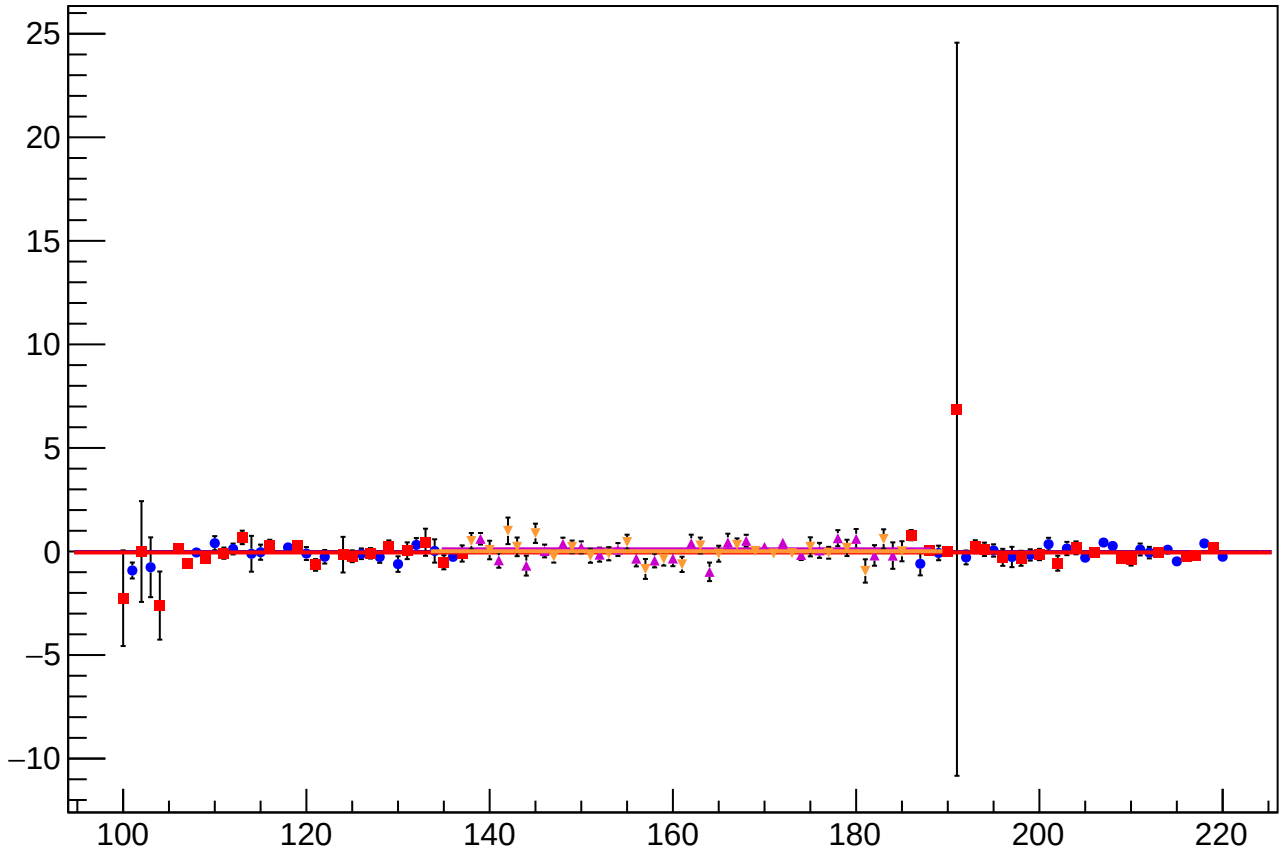
Right Out: 178.749+/-0.031 χ^2/NDF: 5721866.9/36

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 224.762+/-0.027 χ^2/NDF: 7776825.9/57

All: 215.558+/-0.019 χ^2/NDF: 18534105.9/11

- sign 207.192+/-0.026 χ^2/NDF: 10538385.0/59



Right In: -0.026+/-0.047 χ^2/NDF: 41.9/32

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

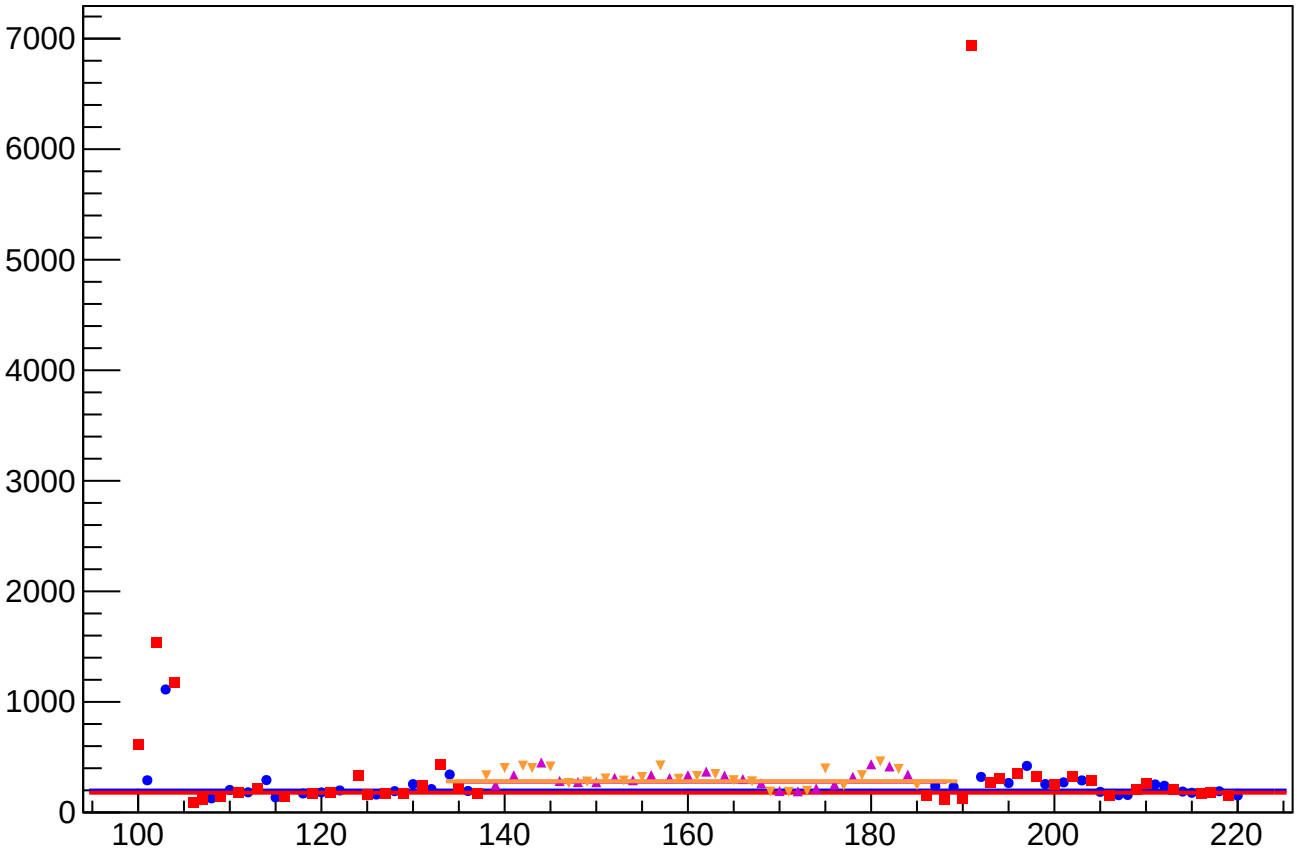
Right Out: -0.047+/-0.043 χ^2/NDF: 51.7/36

Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.014+/-0.038 χ^2/NDF: 67.3/57

All: -0.009+/-0.027 χ^2/NDF: 154.0/117

- sign -0.004+/-0.037 χ^2/NDF: 86.6/59



Right In: 198.023+/-0.033 χ^2/NDF: 3190747.0/32

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

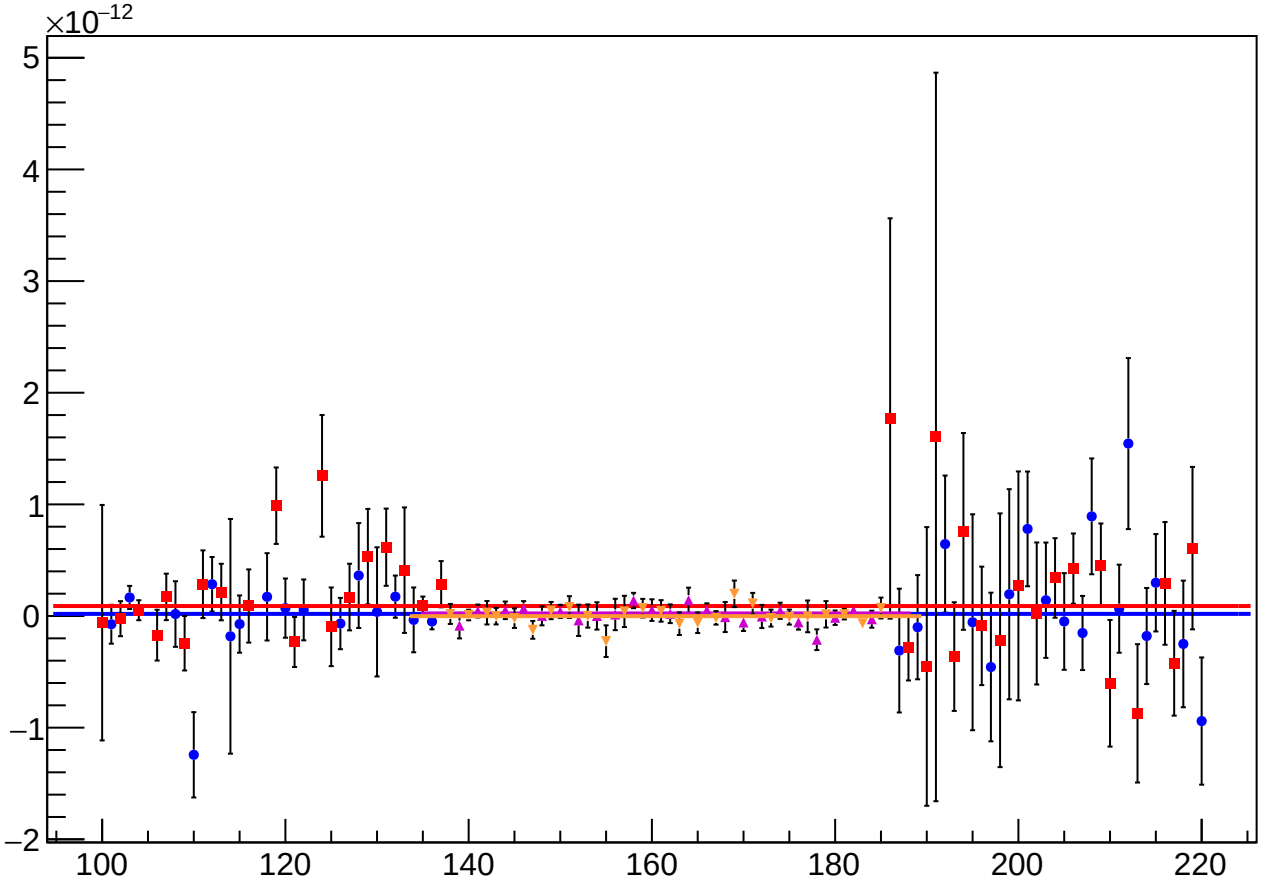
Right Out: 178.749+/-0.031 χ^2/NDF: 5721866.9/36

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 224.762+/-0.027 χ^2/NDF: 7776825.9/57

All: 215.558+/-0.019 χ^2/NDF: 18534105.9/11

- sign 207.192+/-0.026 χ^2/NDF: 10538385.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 32.1/32

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/36

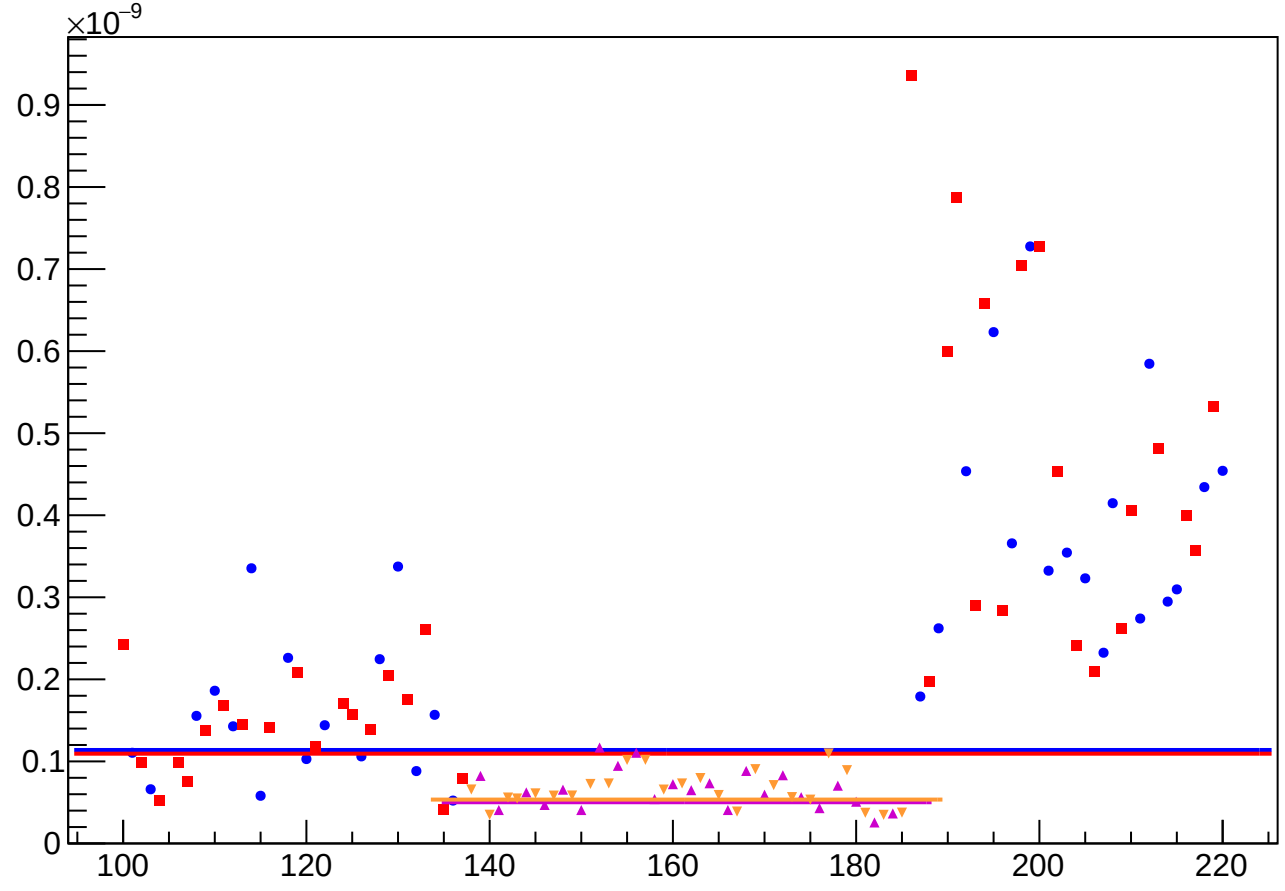
Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.7/57

All: 0.000+/-0.000 χ^2/NDF: 104.9/117

- sign 0.000+/-0.000 χ^2/NDF: 55.2/59

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10900757.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2781376.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11010002.6/36

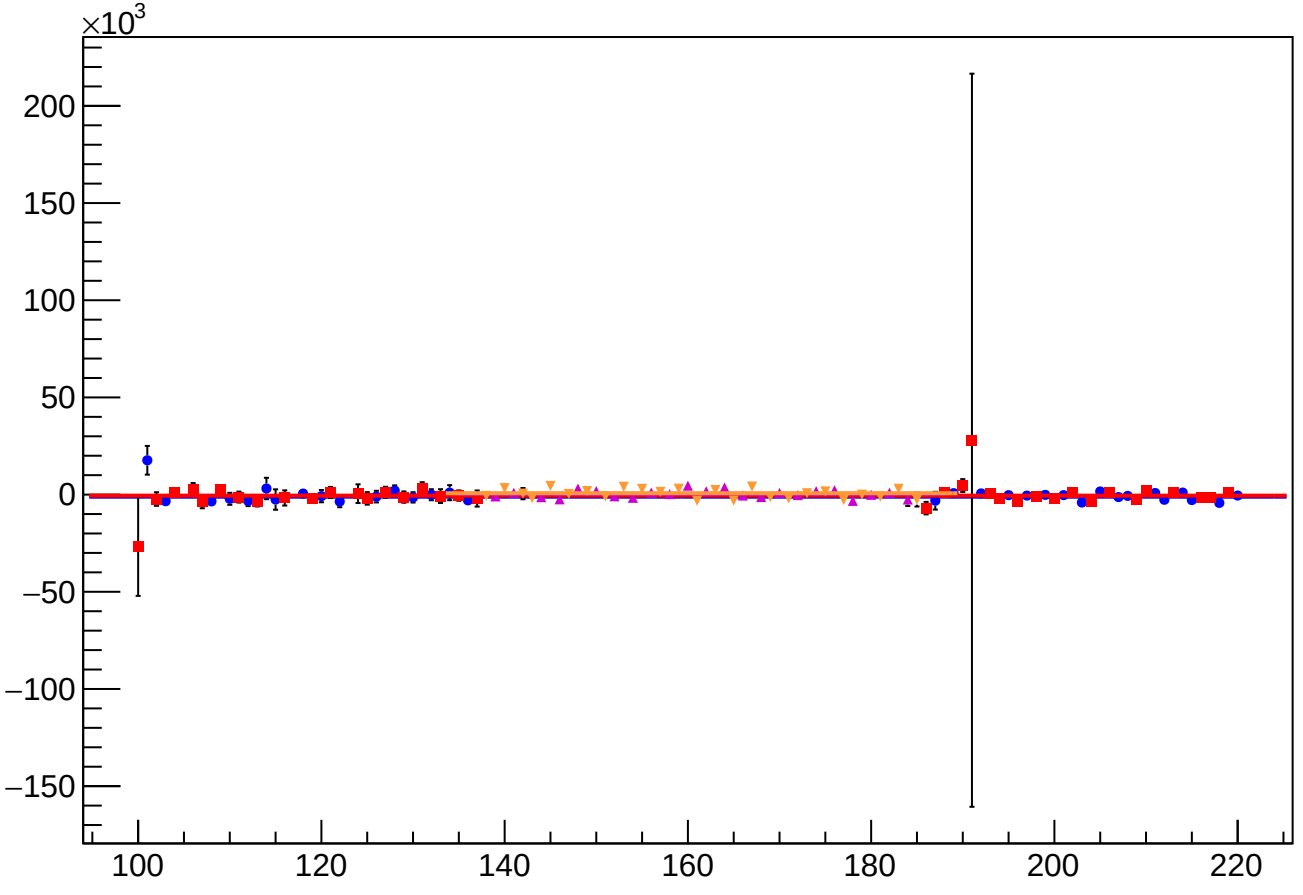
Left In: 0.000+/-0.000 χ^2/NDF:3367886.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 17210560.7/57

All: 0.000+/-0.000 χ^2/NDF: 35141192.2/117

- sign 0.000+/-0.000 χ^2/NDF: 17875846.6/59

reg_asym_atr_dd_mean vs Slug



Right In: -1069.652+/-423.974 χ^2/NDF: 25.0/32

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -532.138+/-421.992 χ^2/NDF: 27.7/36

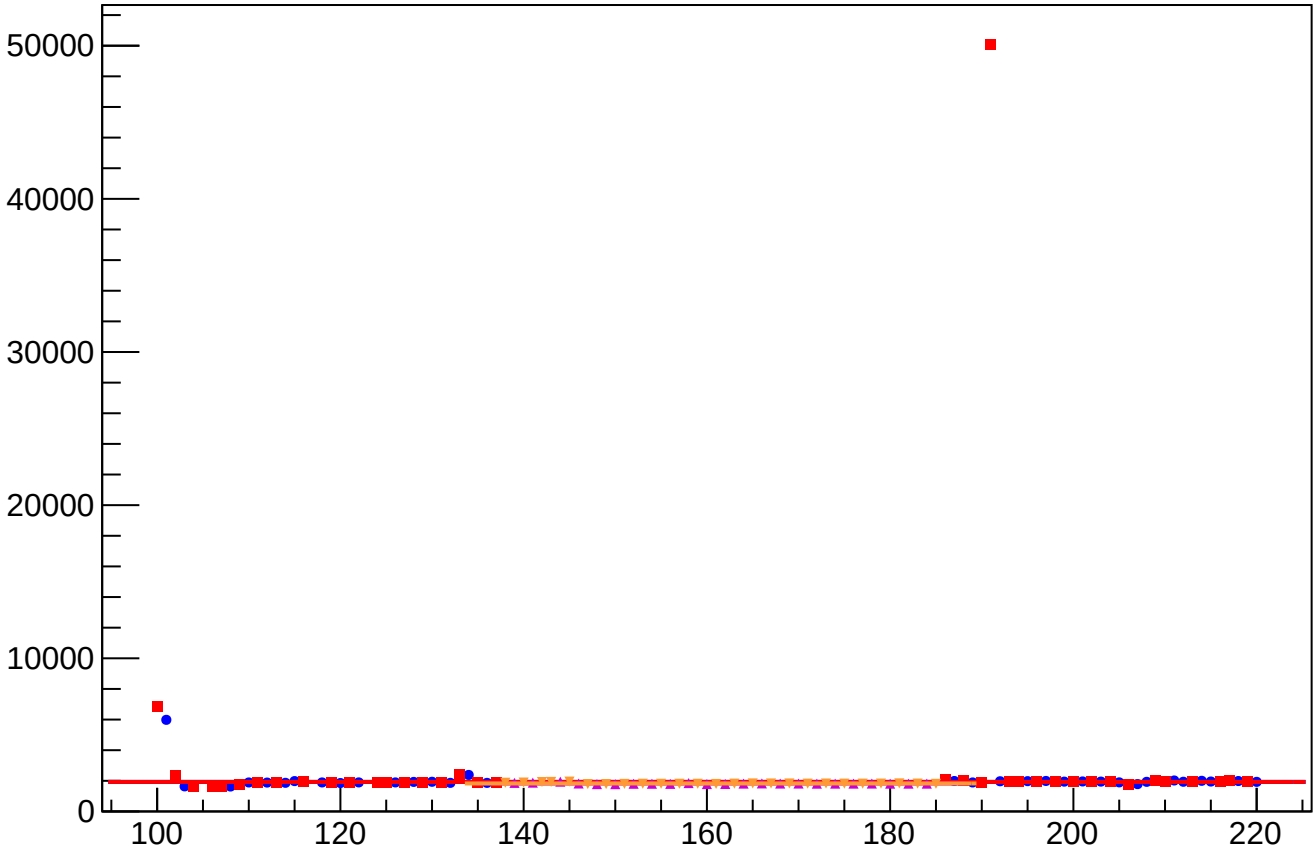
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign -163.786+/-296.711 χ^2/NDF: 65.9/57

All: -116.972+/-210.916 χ^2/NDF: 116.8/117

- sign -69.153+/-299.875 χ^2/NDF: 50.8/59

reg_asym_atr_dd_rms vs Slug



Right In: 1929.357+/-0.300 χ^2/NDF: 725613.8/32

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1928.749+/-0.298 χ^2/NDF: 395534.2/36

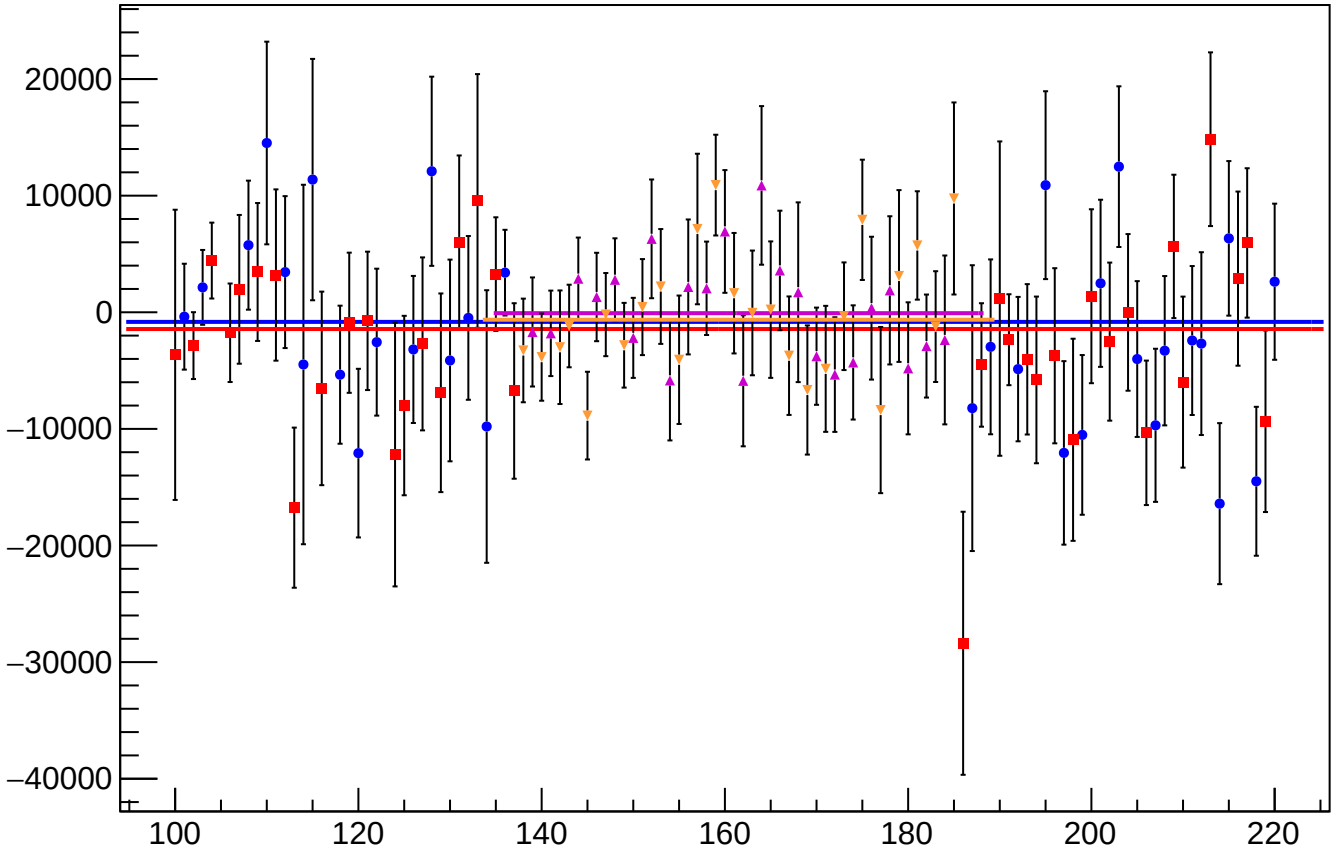
Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1877.765+/-0.210 χ^2/NDF: 802985.8/57

All: 1877.652+/-0.149 χ^2/NDF: 1271606.6/11

- sign 1877.536+/-0.212 χ^2/NDF: 468620.2/59

asym_atr_dd_reg_correction_mean vs Slug



Right In: -823.649+/-1116.398 χ^2/NDF: 39.5/32

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -1436.003+/-1007.801 χ^2/NDF: 35.2/36

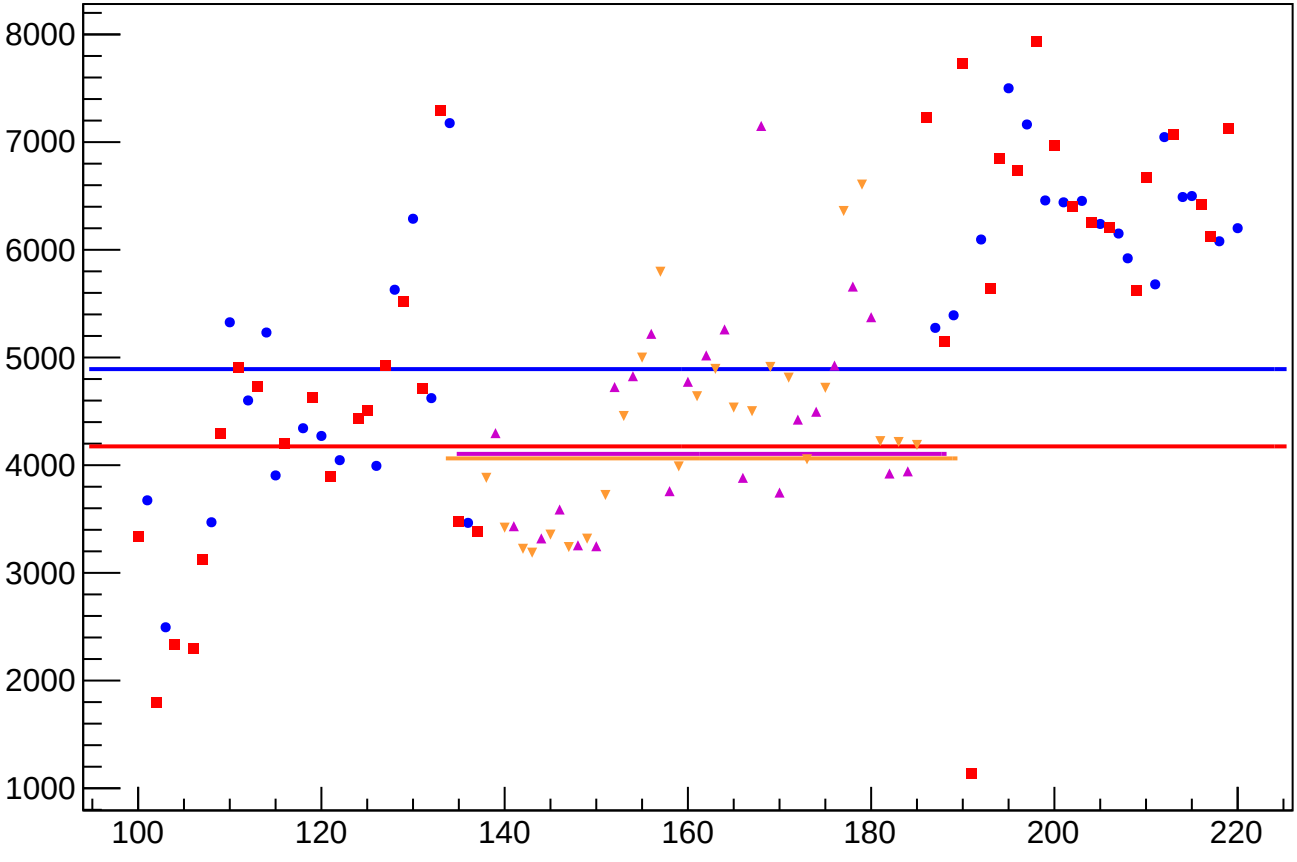
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -715.500+/-722.116 χ^2/NDF: 65.5/57

All: -726.560+/-503.600 χ^2/NDF: 117.1/117

- sign -737.032+/-702.677 χ^2/NDF: 51.6/59

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4892.182+/-0.789 χ^2/NDF: 3501930.0/32

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 4174.551+/-0.713 χ^2/NDF: 7596406.1/36

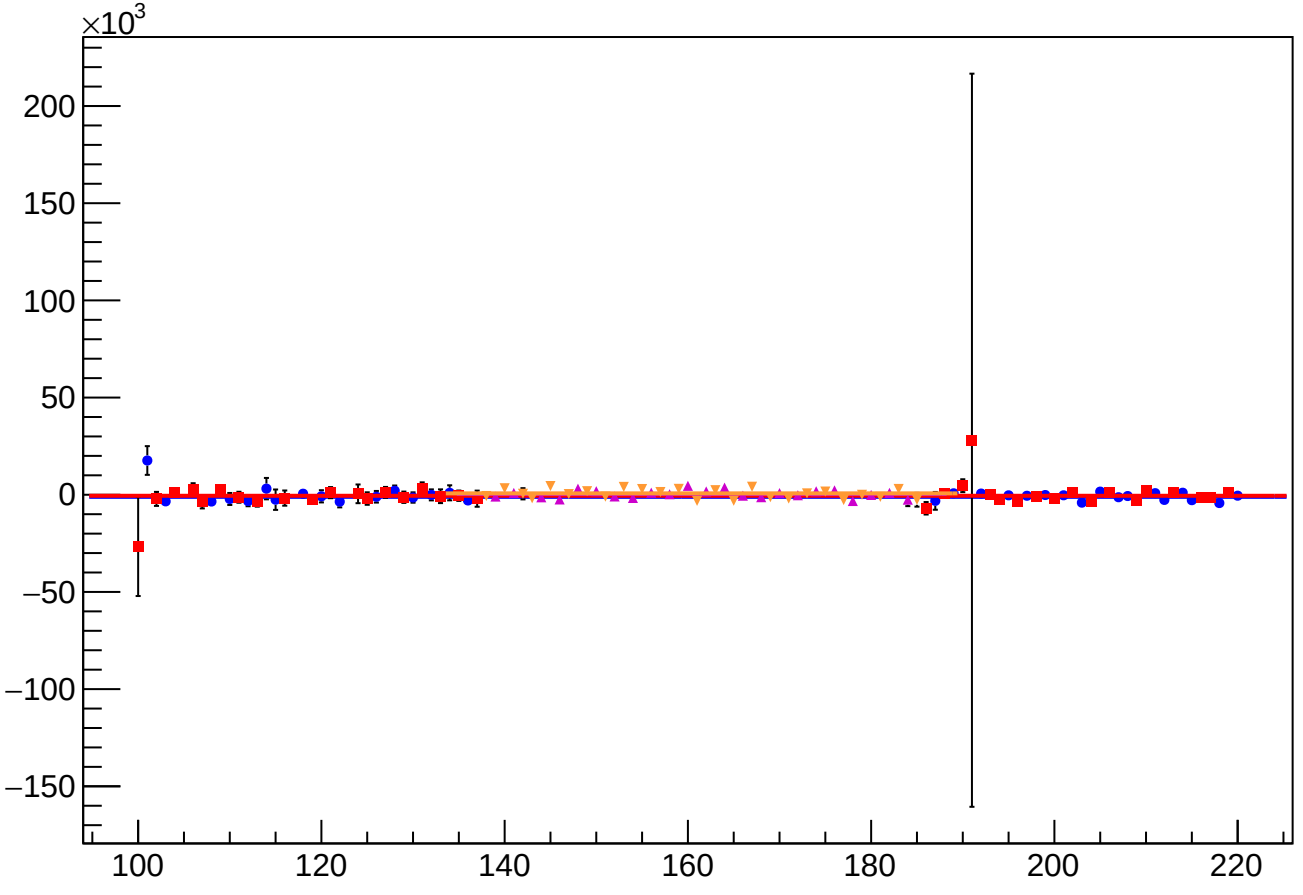
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4409.980+/-0.511 χ^2/NDF: 5548493.1/57

All: 4270.712+/-0.356 χ^2/NDF: 14654109.2/1

- sign 4138.841+/-0.497 χ^2/NDF: 8960786.0/59

cor_asym_atr_dd_mean vs Slug



Right In: -1069.856+/-423.974 χ^2/NDF: 25.0/32

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -528.527+/-422.197 χ^2/NDF: 27.6/36

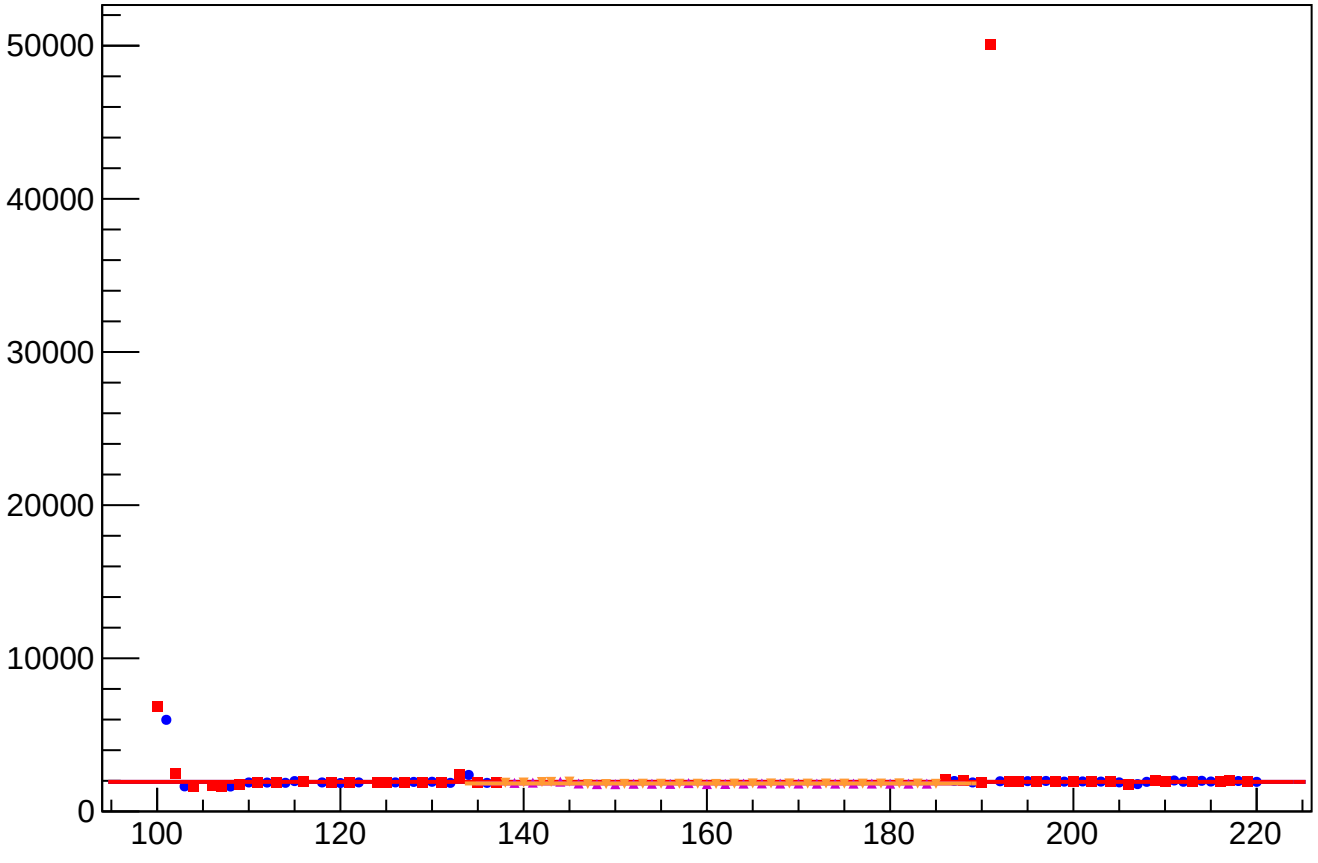
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign -163.856+/-296.711 χ^2/NDF: 65.8/57

All: -116.045+/-210.942 χ^2/NDF: 116.7/117

- sign -67.184+/-299.949 χ^2/NDF: 50.8/59

cor_asym_atr_dd_rms vs Slug



Right In: 1929.357+/-0.300 χ^2/NDF: 725613.9/32

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

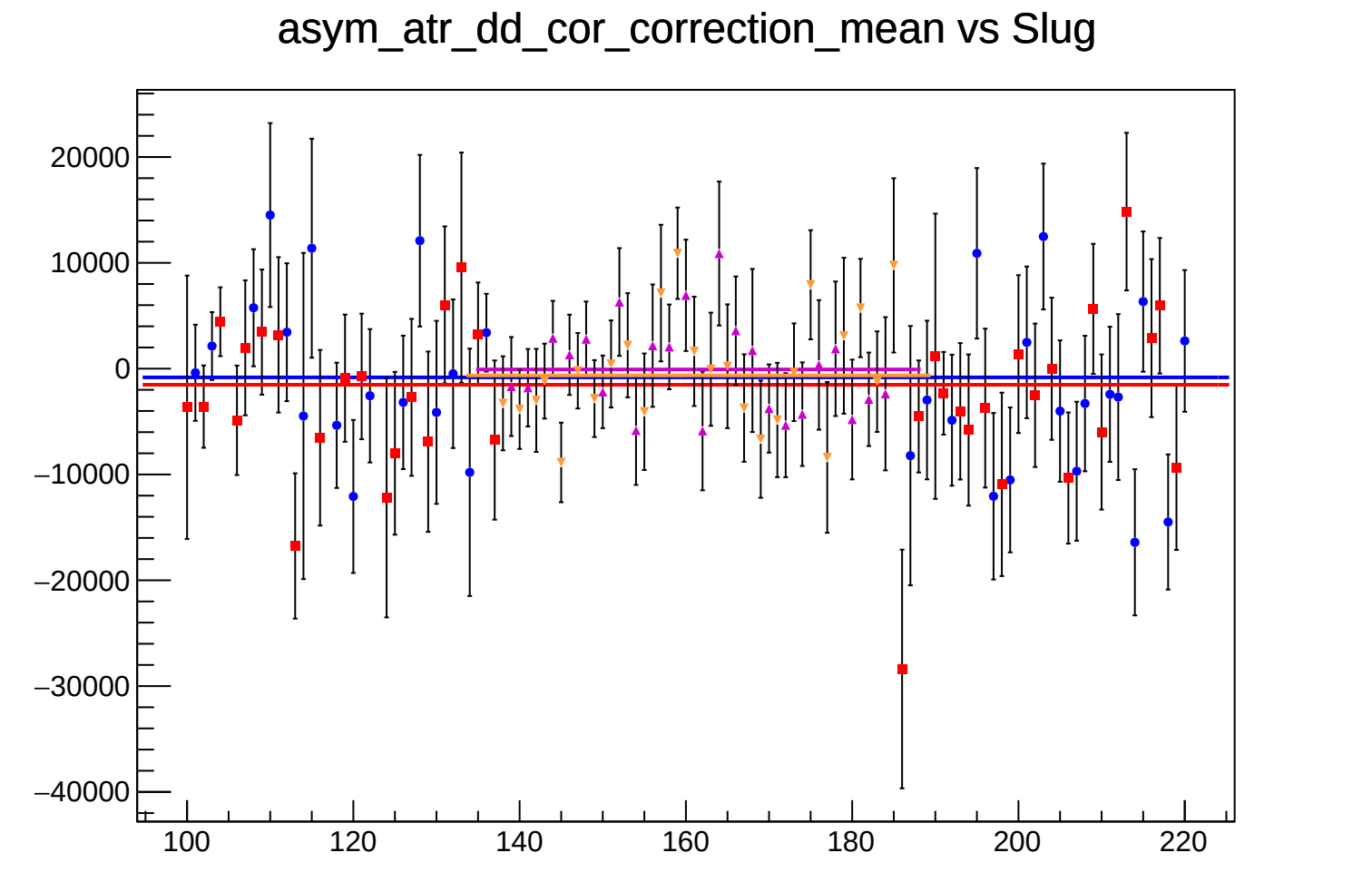
Right Out: 1931.312+/-0.298 χ^2/NDF: 401491.0/36

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1877.765+/-0.210 χ^2/NDF: 802985.9/57

All: 1878.263+/-0.149 χ^2/NDF: 1280495.0/11

- sign 1878.771+/-0.212 χ^2/NDF: 477497.7/59



Right In: -824.630+/-1116.472 χ^2/NDF: 39.5/32

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1521.836+/-1048.220 χ^2/NDF: 35.7/36

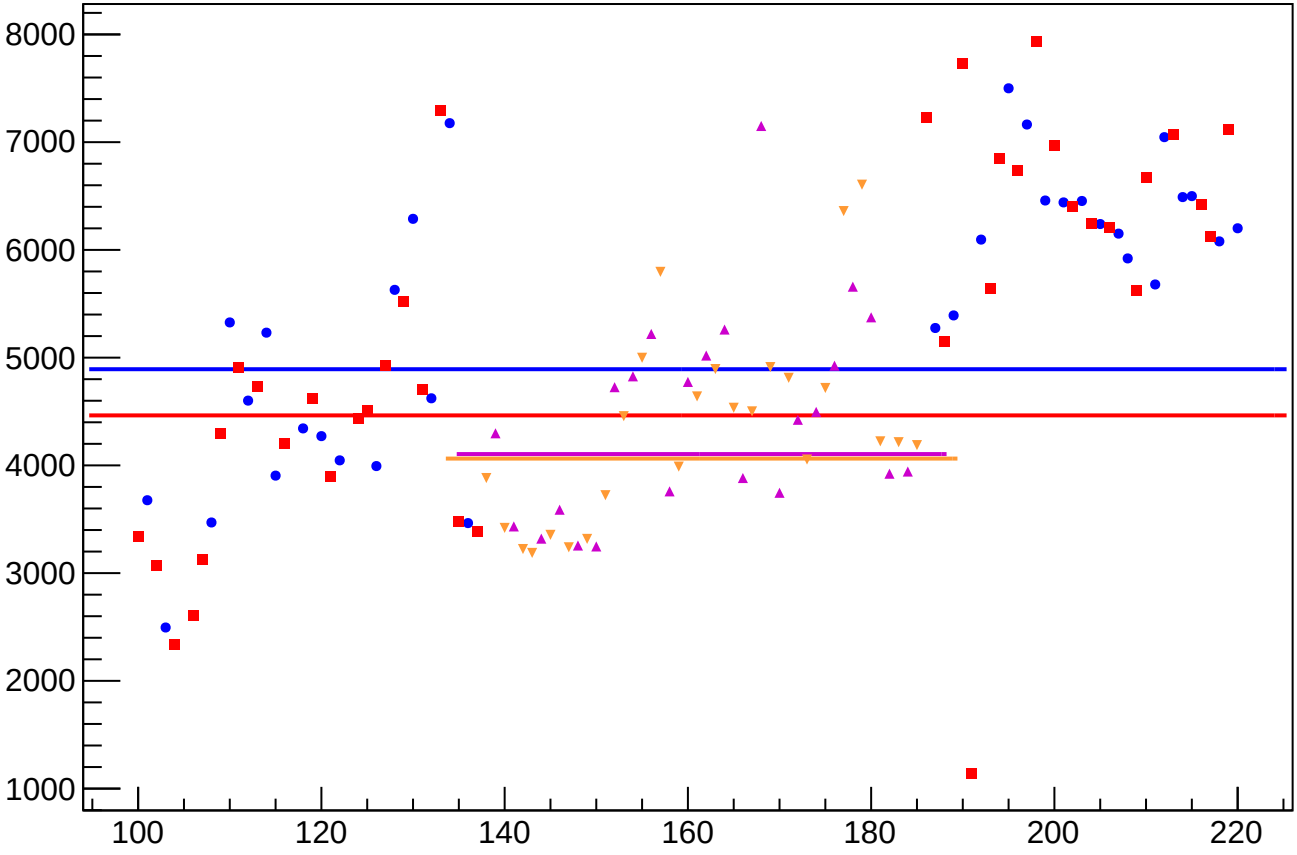
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -715.914+/-722.135 χ^2/NDF: 65.5/57

All: -733.308+/-508.430 χ^2/NDF: 117.7/117

- sign -750.407+/-715.962 χ^2/NDF: 52.2/59

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4892.622+/-0.789 χ^2/NDF: 3500202.9/32

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4463.976+/-0.741 χ^2/NDF: 6014014.6/36

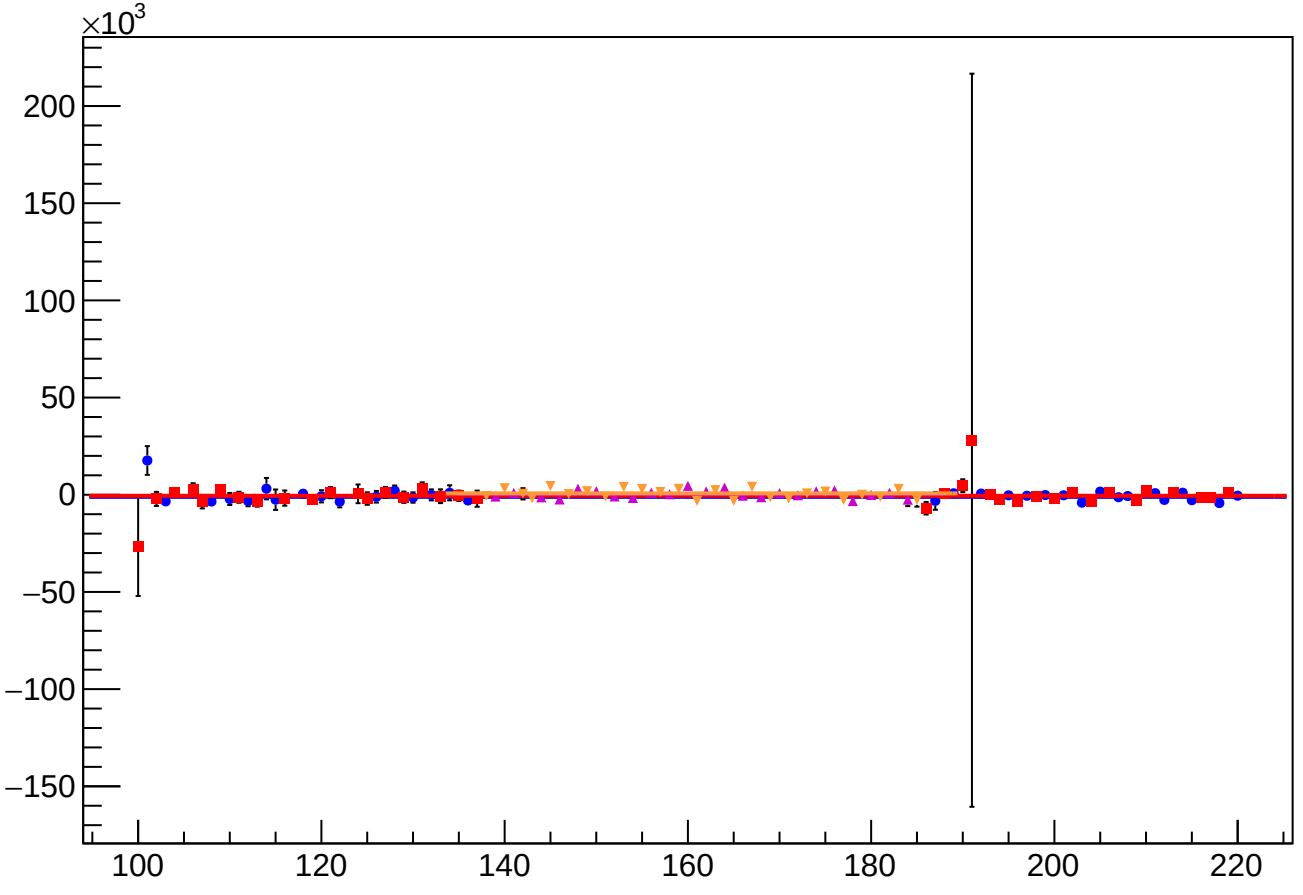
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4410.135+/-0.511 χ^2/NDF: 5547396.0/57

All: 4340.726+/-0.360 χ^2/NDF: 13082649.7/1

- sign 4272.498+/-0.506 χ^2/NDF: 7498614.2/59

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -1069.856+/-423.974 χ^2/NDF: 25.0/32

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -528.527+/-422.197 χ^2/NDF: 27.6/36

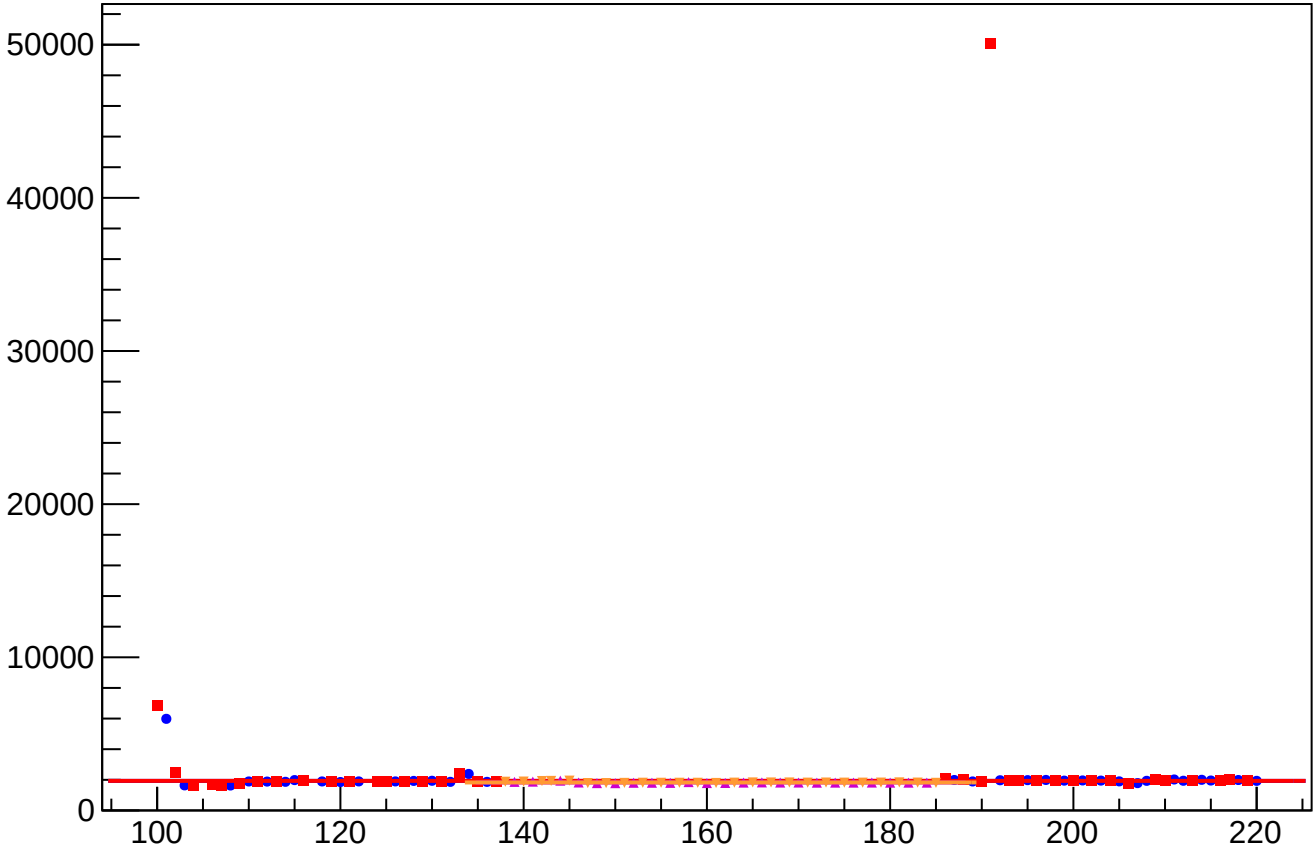
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign -163.856+/-296.711 χ^2/NDF: 65.8/57

All: -116.045+/-210.942 χ^2/NDF: 116.7/117

- sign -67.184+/-299.949 χ^2/NDF: 50.8/59

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1929.357+/-0.300 χ^2/NDF: 725613.9/32

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

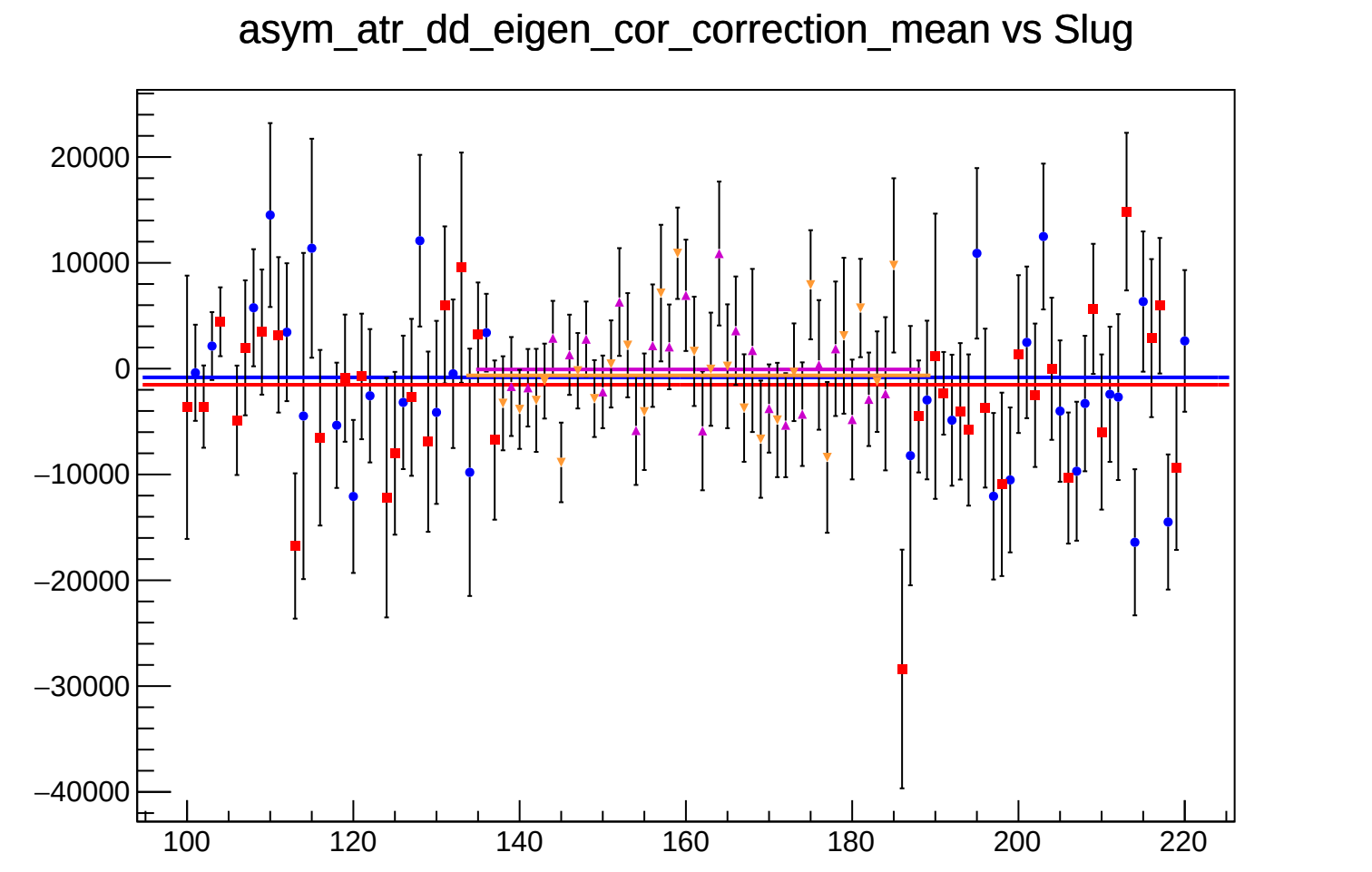
Right Out: 1931.312+/-0.298 χ^2/NDF: 401491.0/36

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1877.765+/-0.210 χ^2/NDF: 802985.9/57

All: 1878.263+/-0.149 χ^2/NDF: 1280495.0/11

- sign 1878.771+/-0.212 χ^2/NDF: 477497.7/59



Right In: -824.630+/-1116.472 χ^2/NDF: 39.5/32

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -1521.836+/-1048.220 χ^2/NDF: 35.7/36

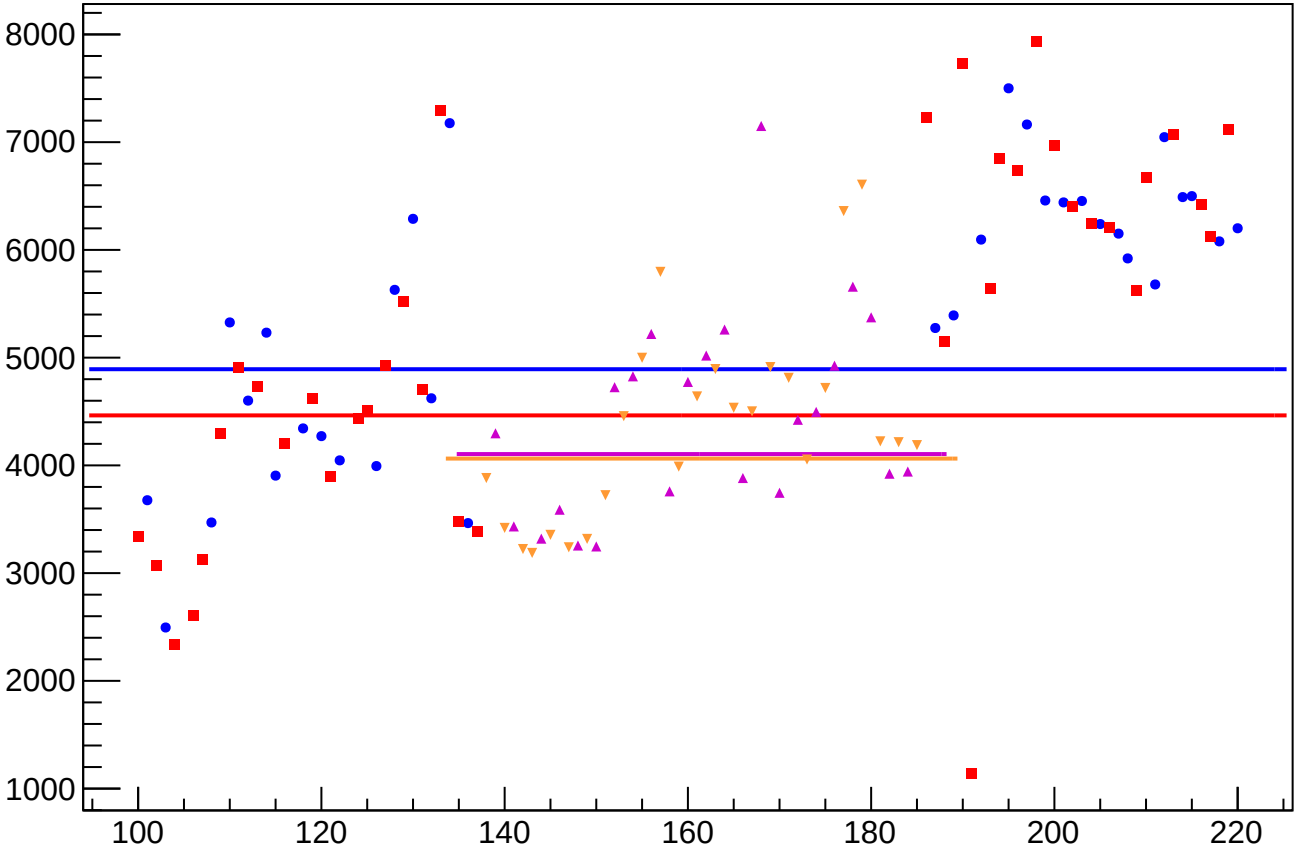
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -715.914+/-722.135 χ^2/NDF: 65.5/57

All: -733.308+/-508.430 χ^2/NDF: 117.7/117

- sign -750.407+/-715.962 χ^2/NDF: 52.2/59

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4892.622+/-0.789 χ^2/NDF: 3500202.9/32

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4463.976+/-0.741 χ^2/NDF: 6014014.6/36

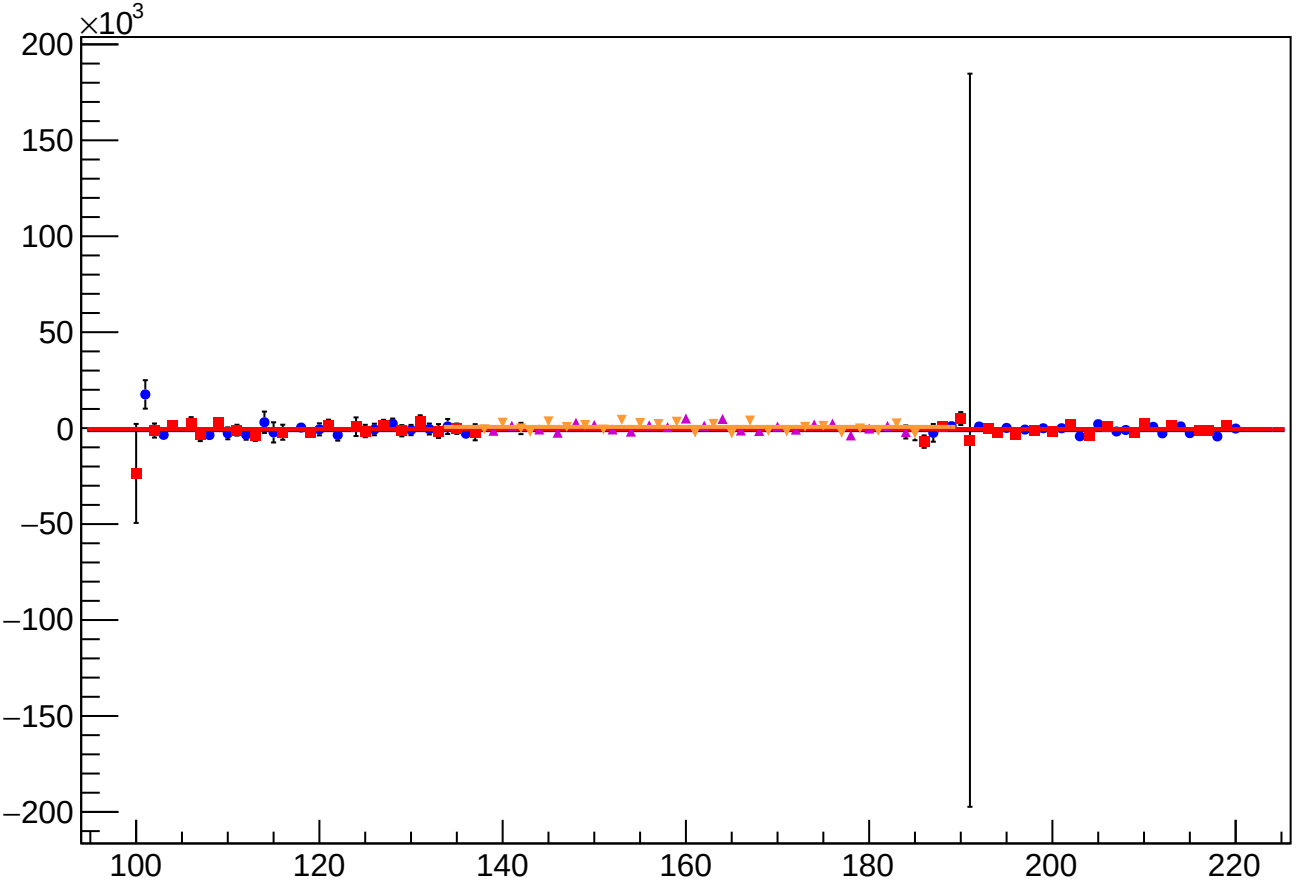
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4410.135+/-0.511 χ^2/NDF: 5547396.0/57

All: 4340.726+/-0.360 χ^2/NDF: 13082649.7/1

- sign 4272.498+/-0.506 χ^2/NDF: 7498614.2/59

dit_asym_atr_dd_mean vs Slug



Right In: -1050.504+/-427.040 χ^2/NDF: 26.2/32

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -442.698+/-425.671 χ^2/NDF: 29.8/36

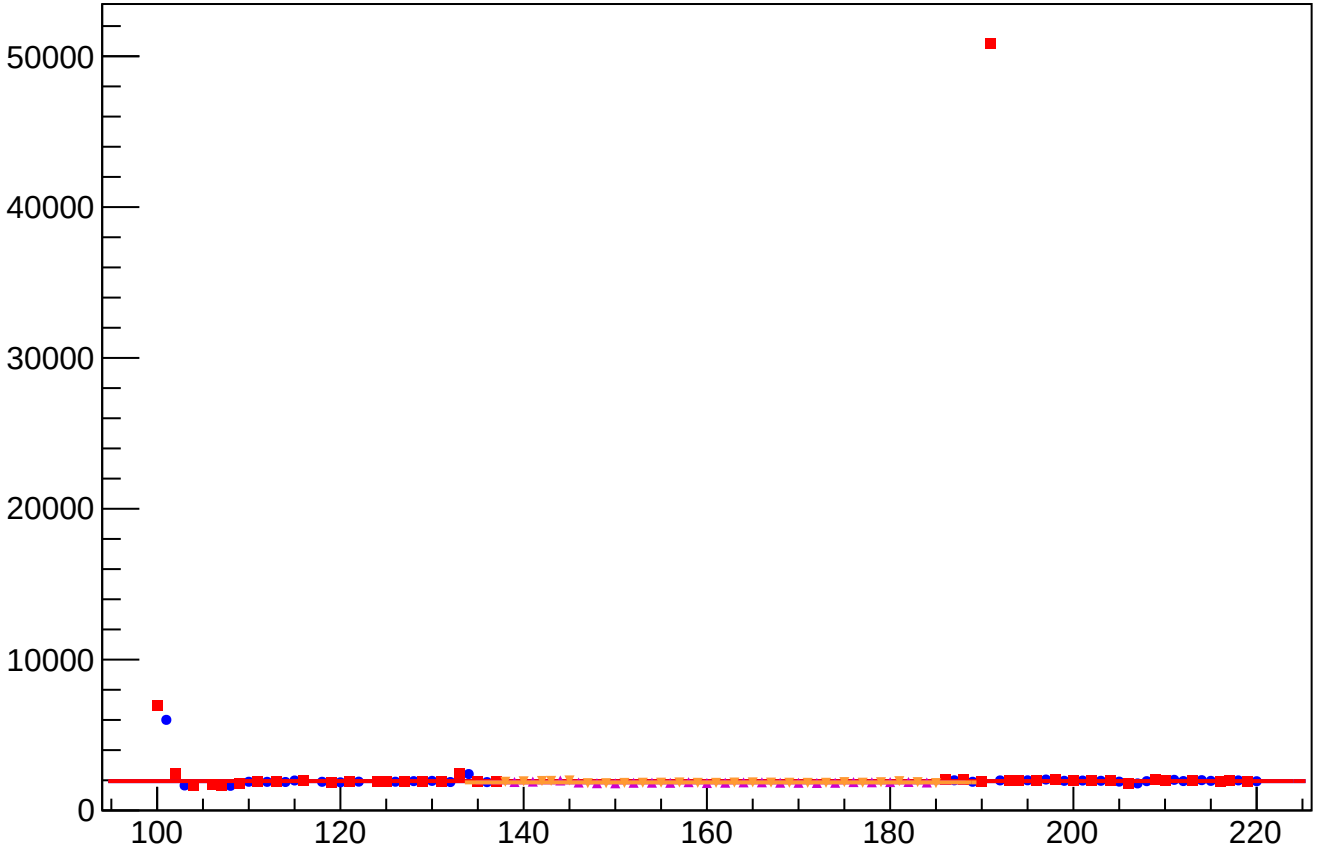
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign -188.454+/-300.547 χ^2/NDF: 61.4/57

All: -107.145+/-213.676 χ^2/NDF: 116.9/117

- sign -24.042+/-303.847 χ^2/NDF: 55.4/59

dit_asym_atr_dd_rms vs Slug



Right In: 1943.202+/-0.302 χ^2/NDF: 727588.8/32

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

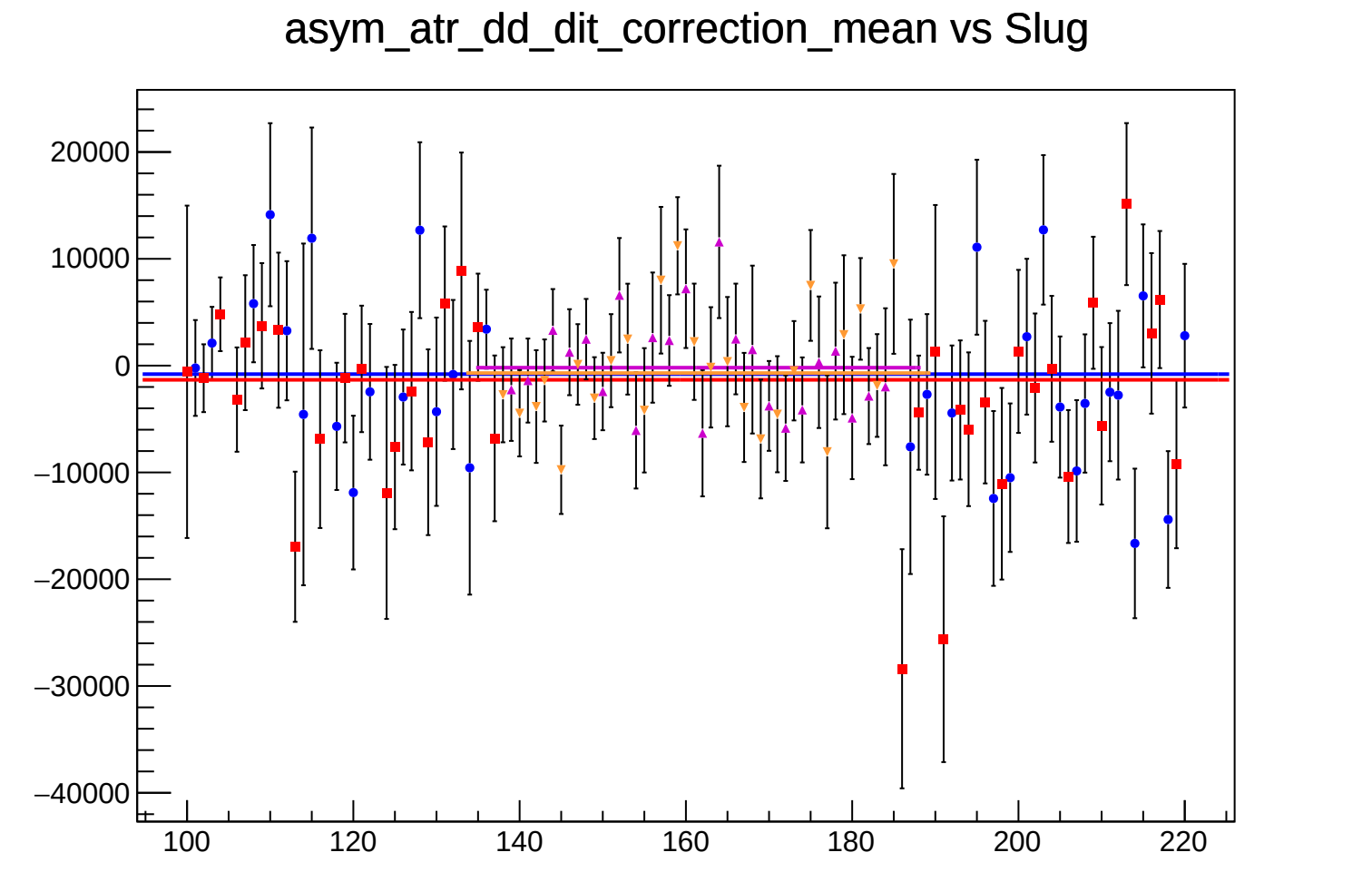
Right Out: 1946.781+/-0.301 χ^2/NDF: 409179.2/36

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1902.085+/-0.213 χ^2/NDF: 790341.5/57

All: 1902.580+/-0.151 χ^2/NDF: 1258927.2/11

- sign 1903.086+/-0.215 χ^2/NDF: 468574.7/59



Right In: -797.622+/-1129.381 χ^2/NDF: 39.4/32

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

Right Out: -1329.803+/-1074.842 χ^2/NDF: 39.3/36

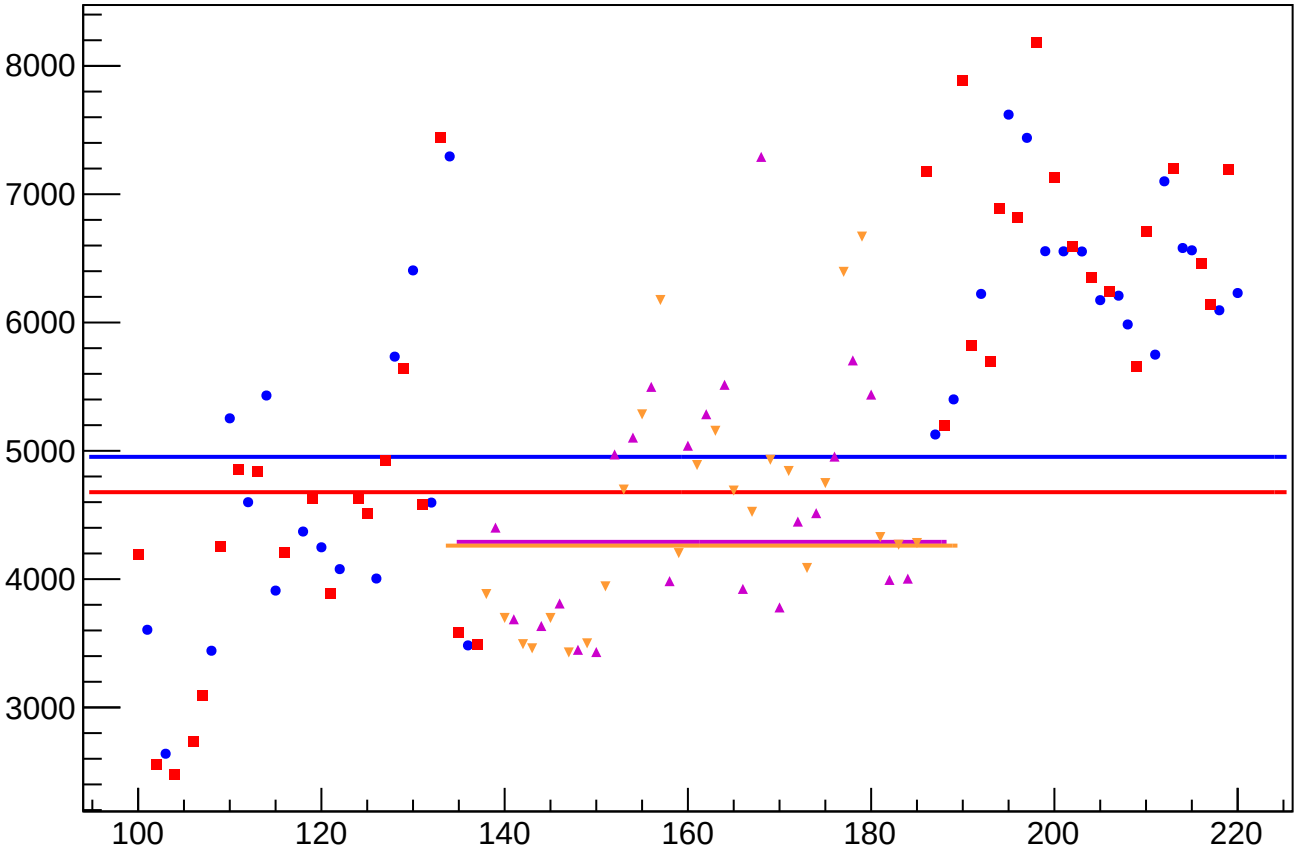
Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -741.451+/-744.480 χ^2/NDF: 64.7/57

All: -737.085+/-525.127 χ^2/NDF: 119.8/117

- sign -732.762+/-740.818 χ^2/NDF: 55.1/59

asym_atr_dd_dit_correction_rms vs Slug



Right In: 4953.041+/-0.799 χ^2/NDF: 3405597.8/32

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4677.740+/-0.760 χ^2/NDF: 4896075.0/36

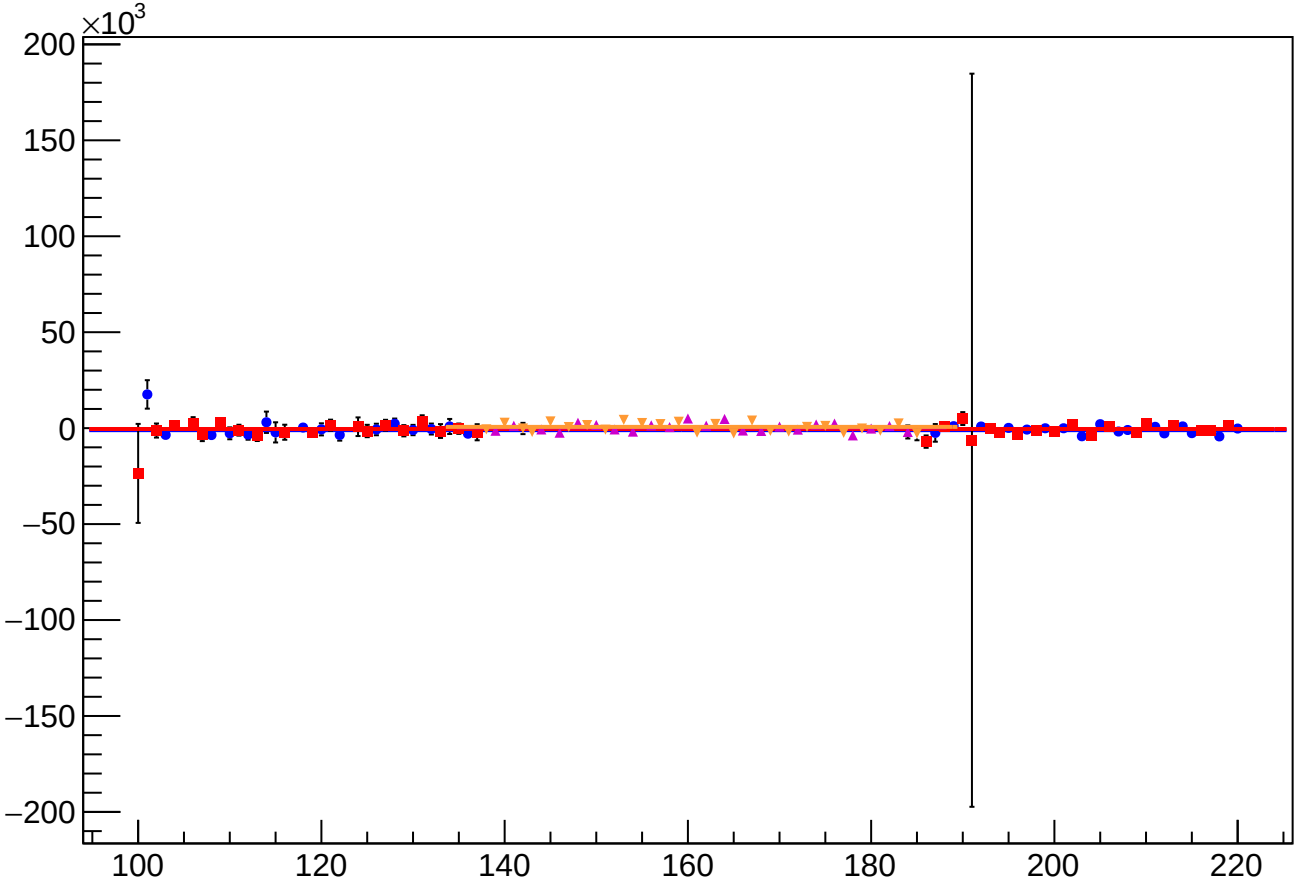
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4561.787+/-0.526 χ^2/NDF: 5020645.0/57

All: 4517.879+/-0.371 χ^2/NDF: 11280879.1/1

- sign 4474.403+/-0.524 χ^2/NDF: 6246389.0/59

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -1050.499+/-427.040 χ^2/NDF: 26.2/32

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -442.694+/-425.671 χ^2/NDF: 29.8/36

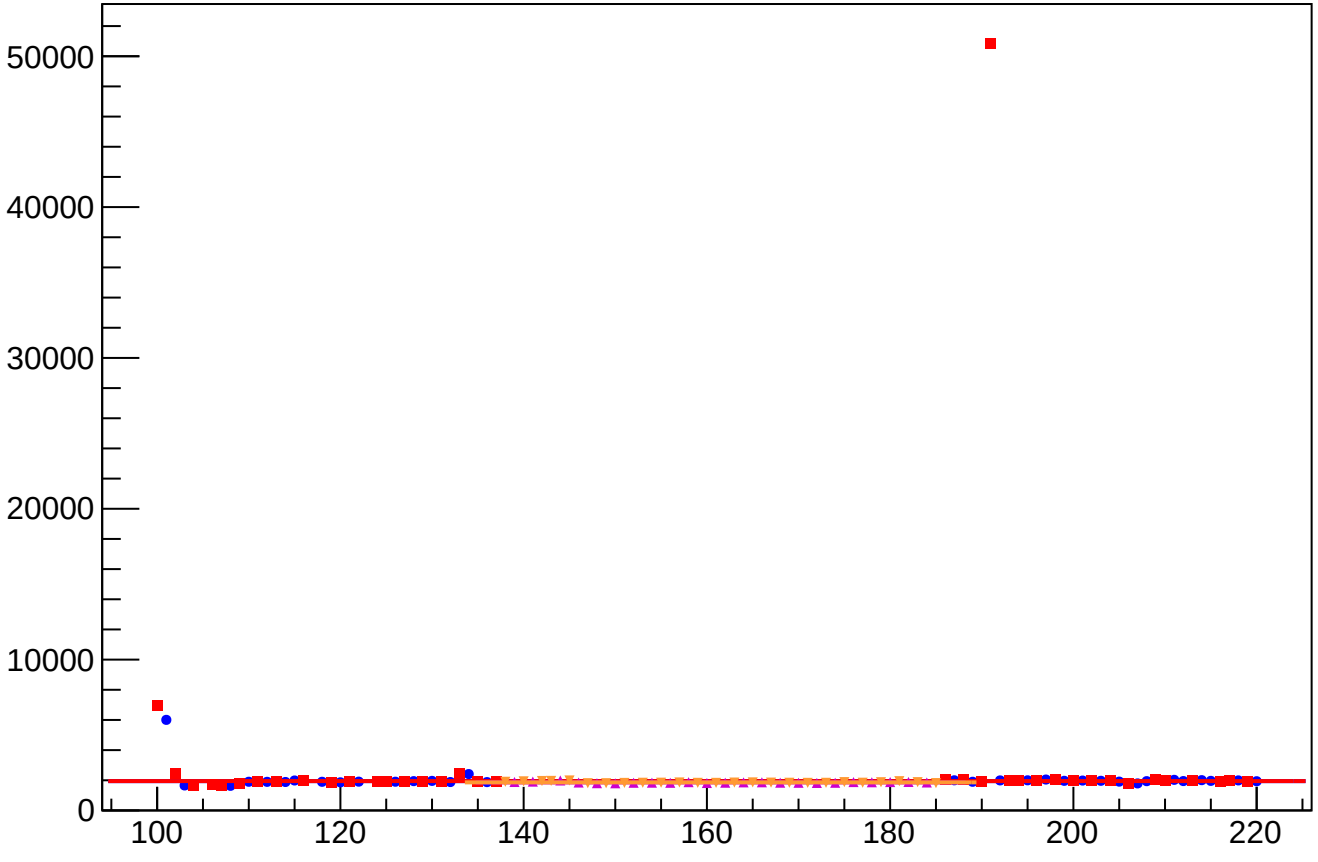
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign -188.448+/-300.547 χ^2/NDF: 61.4/57

All: -107.142+/-213.676 χ^2/NDF: 116.9/117

- sign -24.040+/-303.847 χ^2/NDF: 55.4/59

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1943.202+/-0.302 χ^2/NDF: 727588.7/32

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

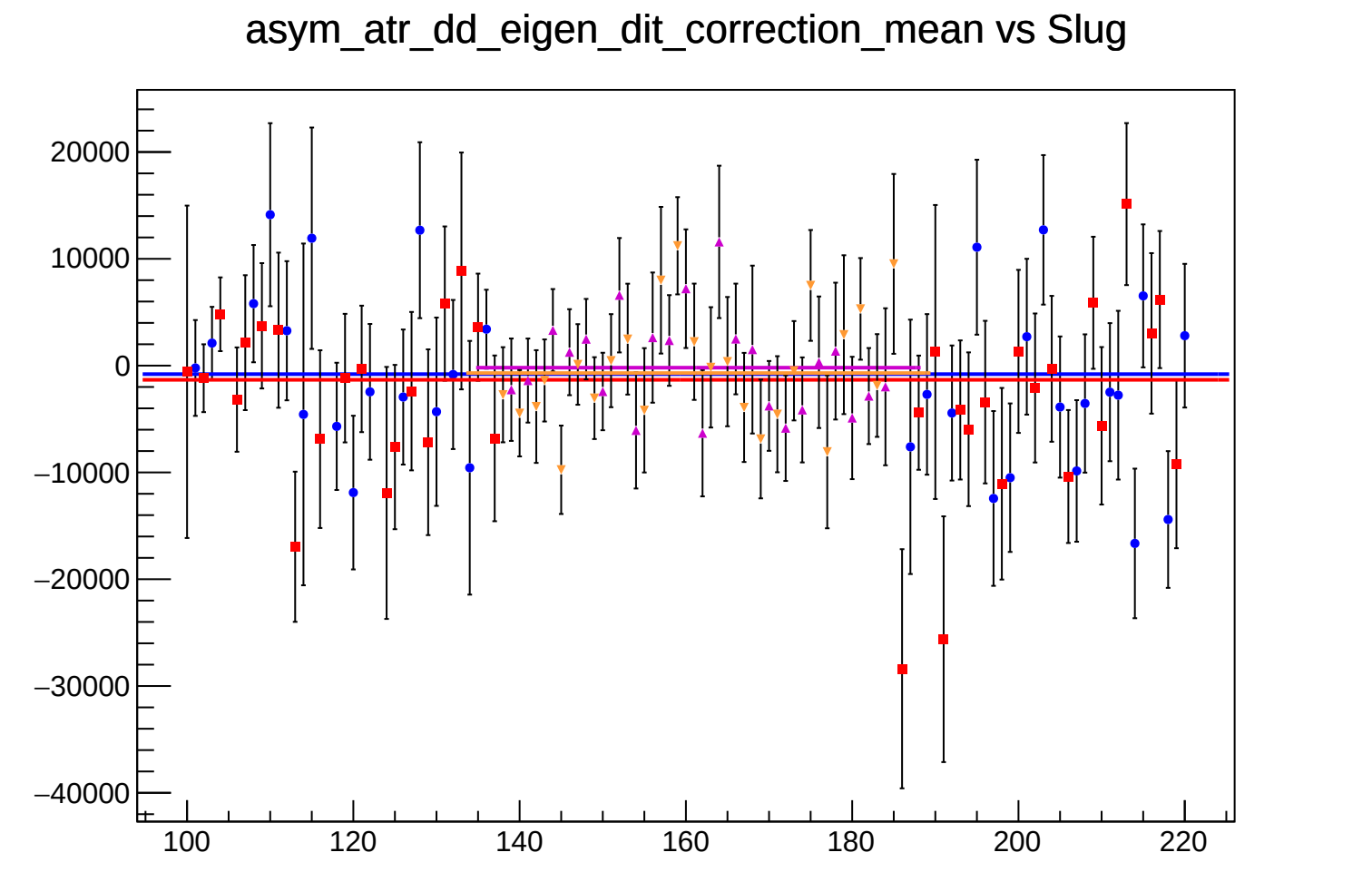
Right Out: 1946.781+/-0.301 χ^2/NDF: 409179.4/36

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1902.085+/-0.213 χ^2/NDF: 790340.9/57

All: 1902.581+/-0.151 χ^2/NDF: 1258926.1/11

- sign 1903.087+/-0.215 χ^2/NDF: 468574.3/59



Right In: -797.627+/-1129.381 χ^2/NDF: 39.4/32

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -1329.799+/-1074.842 χ^2/NDF: 39.3/36

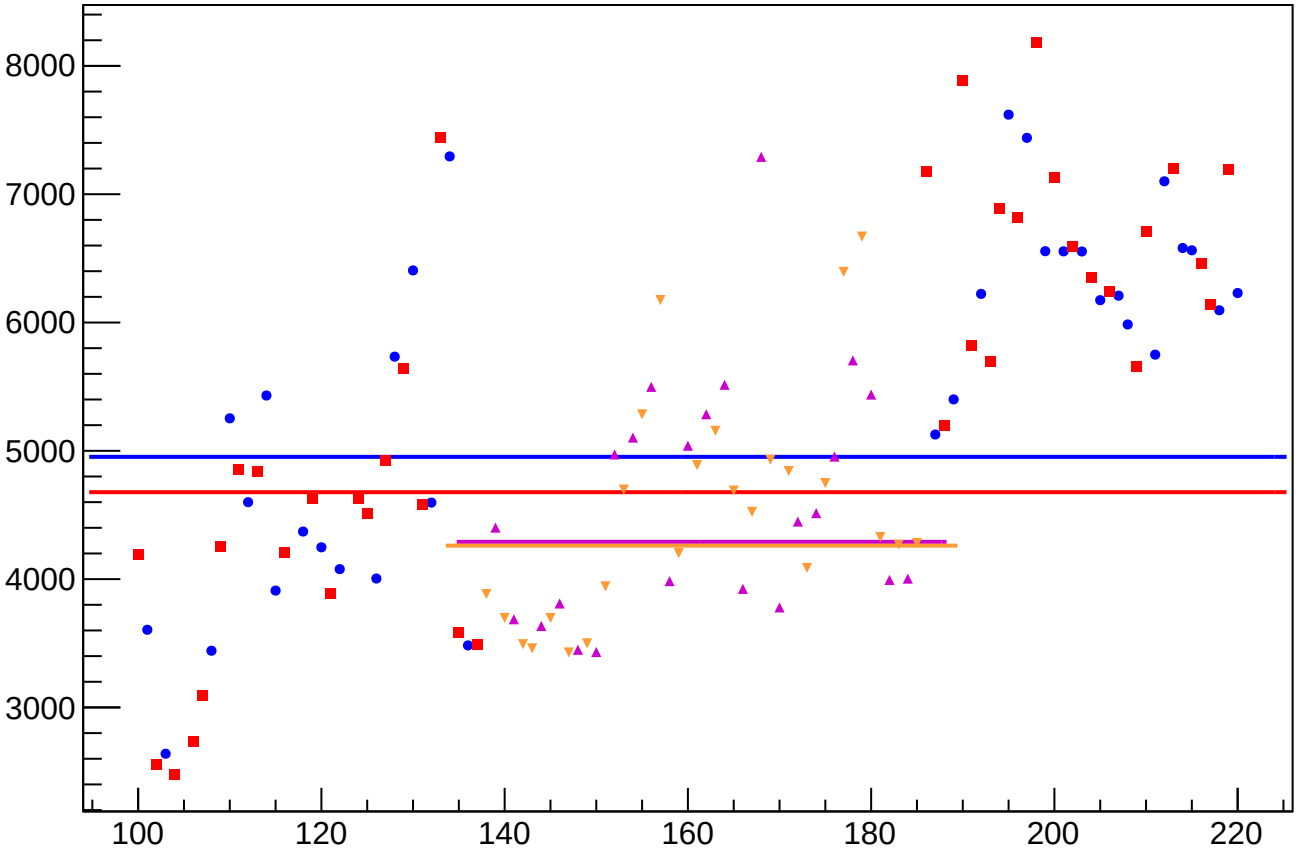
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -741.453+/-744.481 χ^2/NDF: 64.7/57

All: -737.086+/-525.128 χ^2/NDF: 119.8/117

- sign -732.762+/-740.819 χ^2/NDF: 55.1/59

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4953.040+/-0.799 χ^2/NDF: 3405604.8/32

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

Right Out: 4677.738+/-0.760 χ^2/NDF: 4896085.0/36

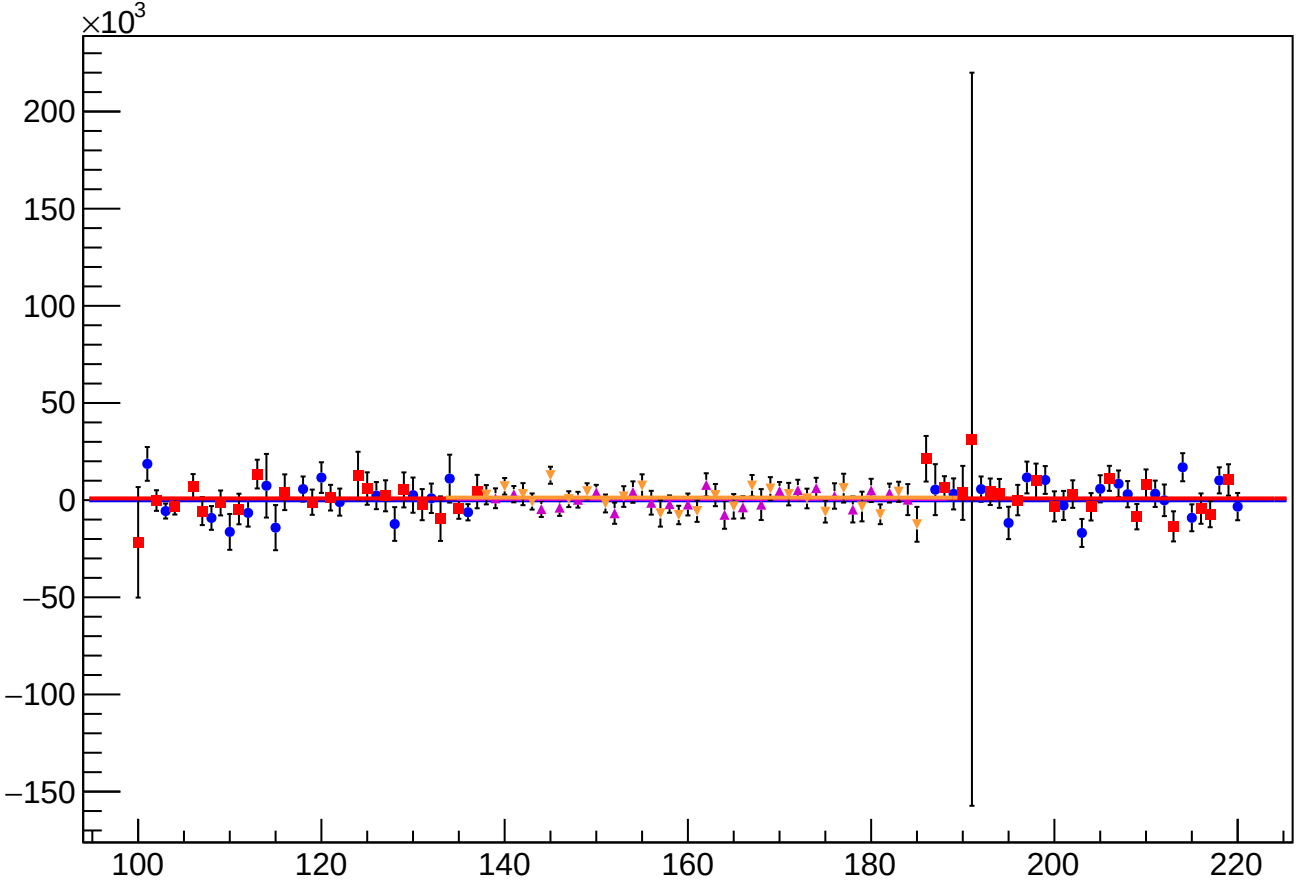
Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4561.791+/-0.526 χ^2/NDF: 5020644.5/57

All: 4517.883+/-0.371 χ^2/NDF: 11280888.6/1

- sign 4474.405+/-0.524 χ^2/NDF: 6246398.8/59

asym_atr_dd_mean vs Slug



Right In: -77.177+/-1238.044 χ^2/NDF: 48.1/32

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 889.601+/-1210.182 χ^2/NDF: 29.3/36

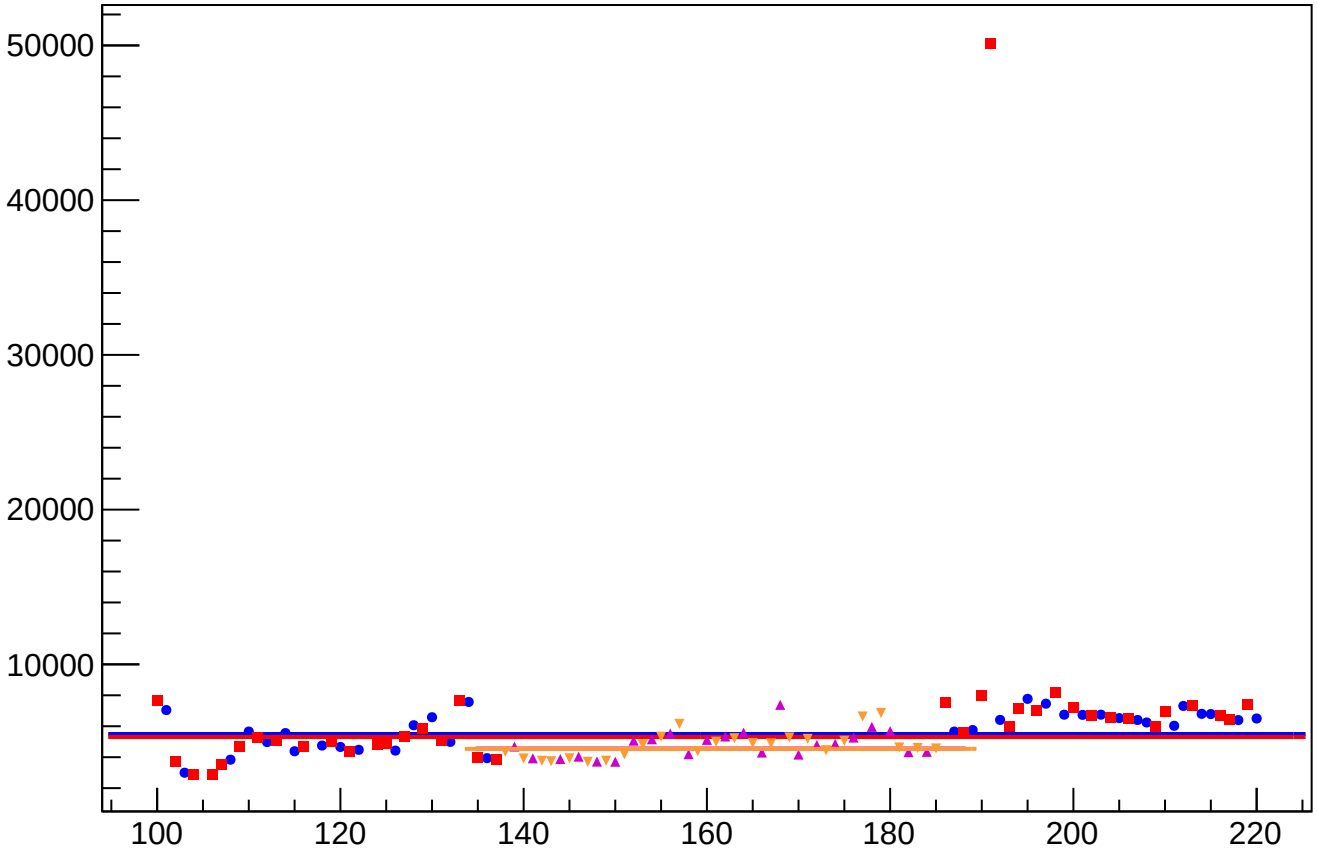
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

\+ sign 723.173+/-800.584 χ^2/NDF: 77.3/57

All: 719.406+/-568.237 χ^2/NDF: 121.1/117

\- sign 715.582+/-806.667 χ^2/NDF: 43.8/59

asym_atr_dd_rms vs Slug



Right In: 5498.065+/-0.875 χ^2/NDF: 2510440.1/32

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

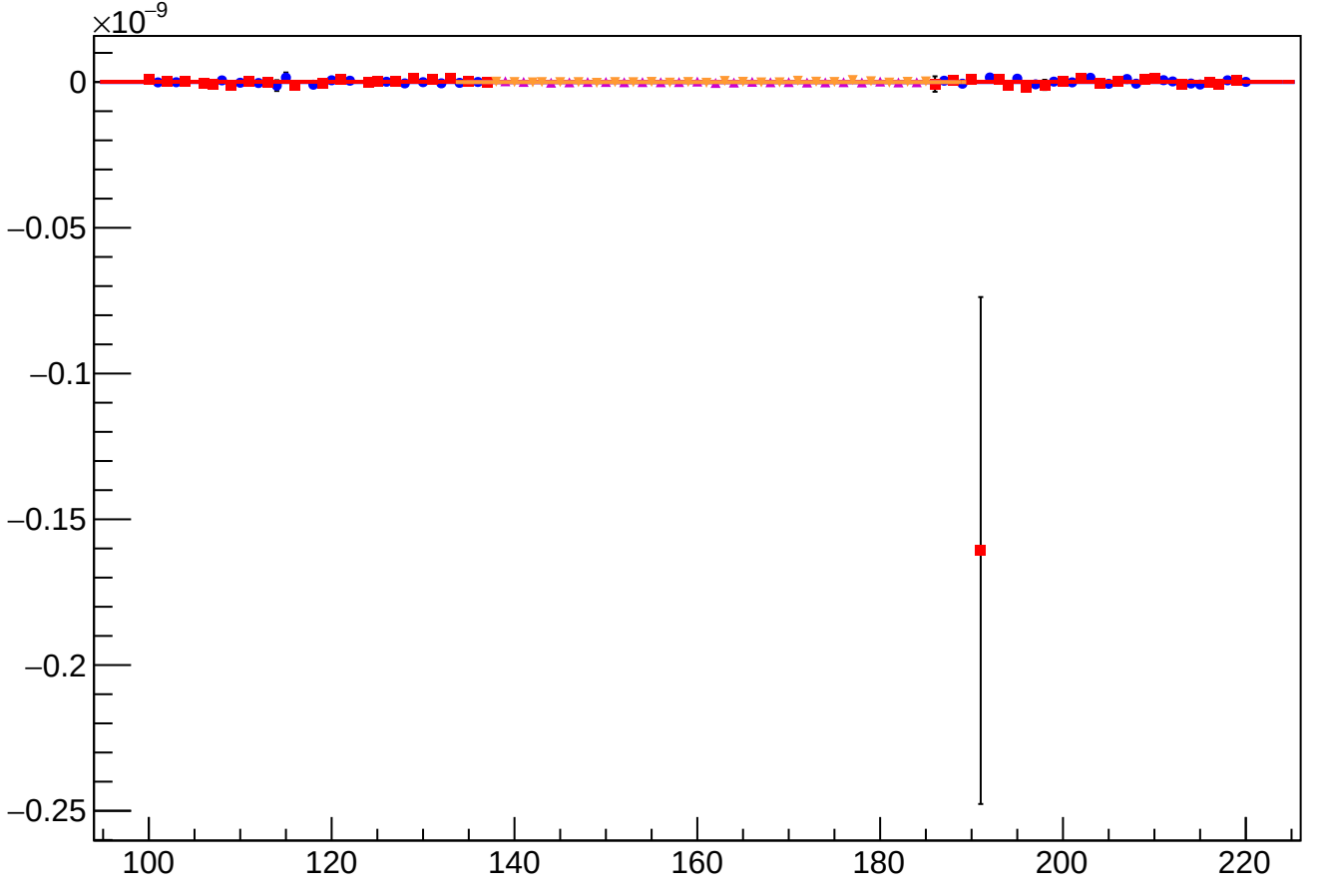
Right Out: 5303.766+/-0.852 χ^2/NDF: 3339046.7/36

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4939.422+/-0.566 χ^2/NDF: 4203224.6/57

All: 4916.053+/-0.401 χ^2/NDF: 8947252.1/11

- sign 4892.424+/-0.569 χ^2/NDF: 4740600.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 28.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

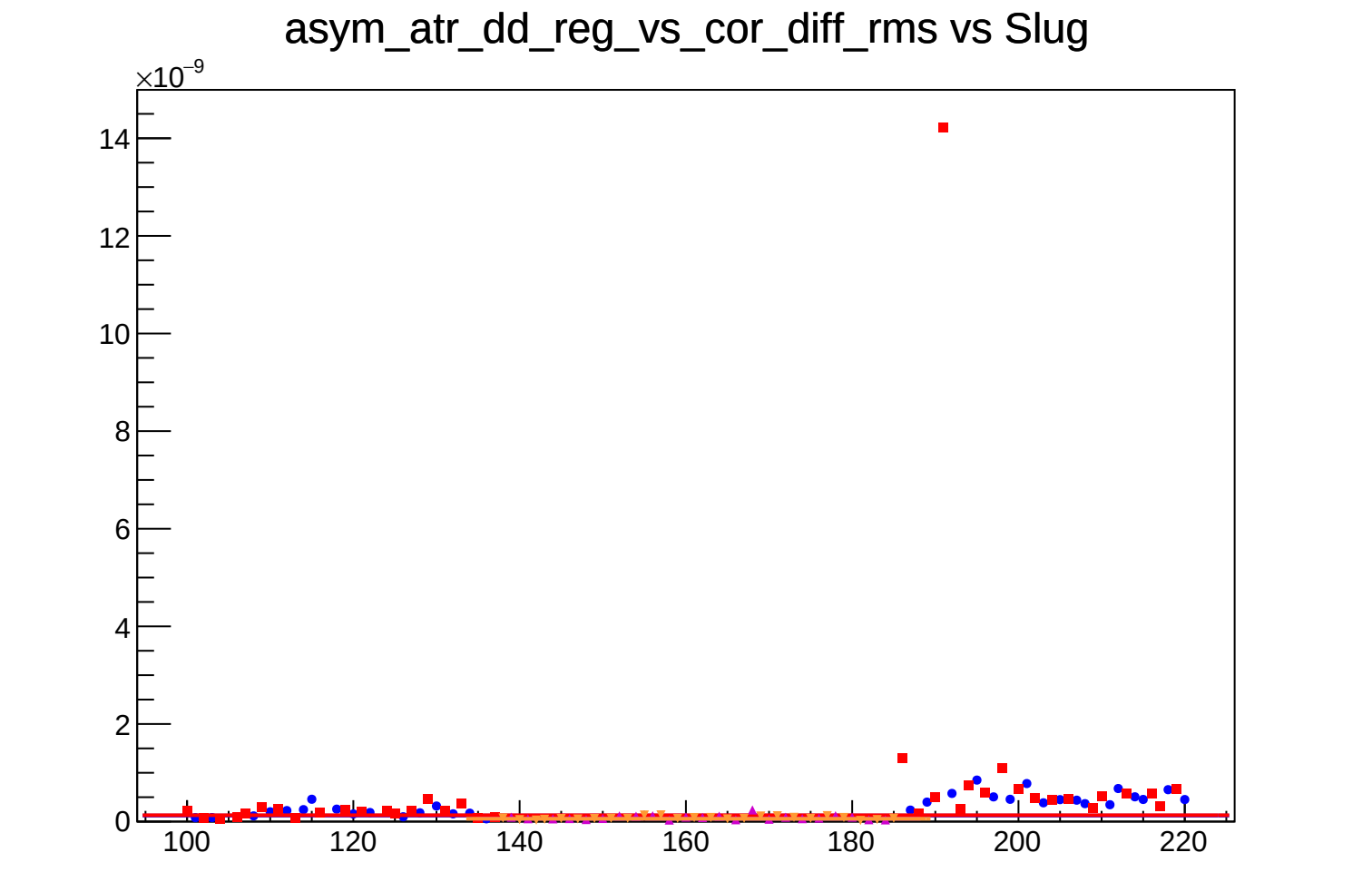
Right Out: 0.000+/-0.000 χ^2/NDF: 45.3/36

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.8/57

All: -0.000+/-0.000 χ^2/NDF: 135.4/117

- sign 0.000+/-0.000 χ^2/NDF: 67.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 8639290.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8401012.3/36

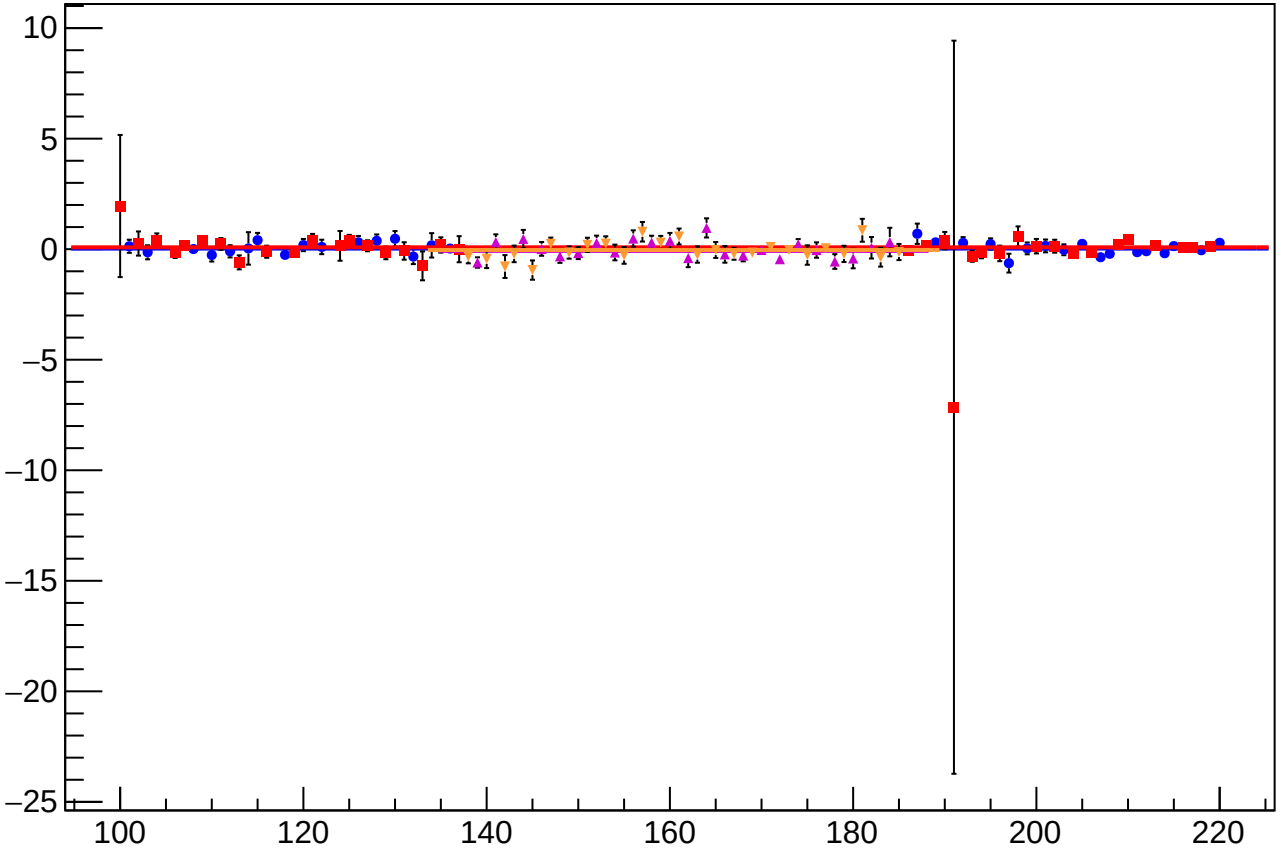
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12666505.9/57

All: 0.000+/-0.000 χ^2/NDF: 25379038.7/117

- sign 0.000+/-0.000 χ^2/NDF: 12709749.2/59

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.039 χ^2/NDF: 35.0/32

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.084+/-0.039 χ^2/NDF: 33.4/36

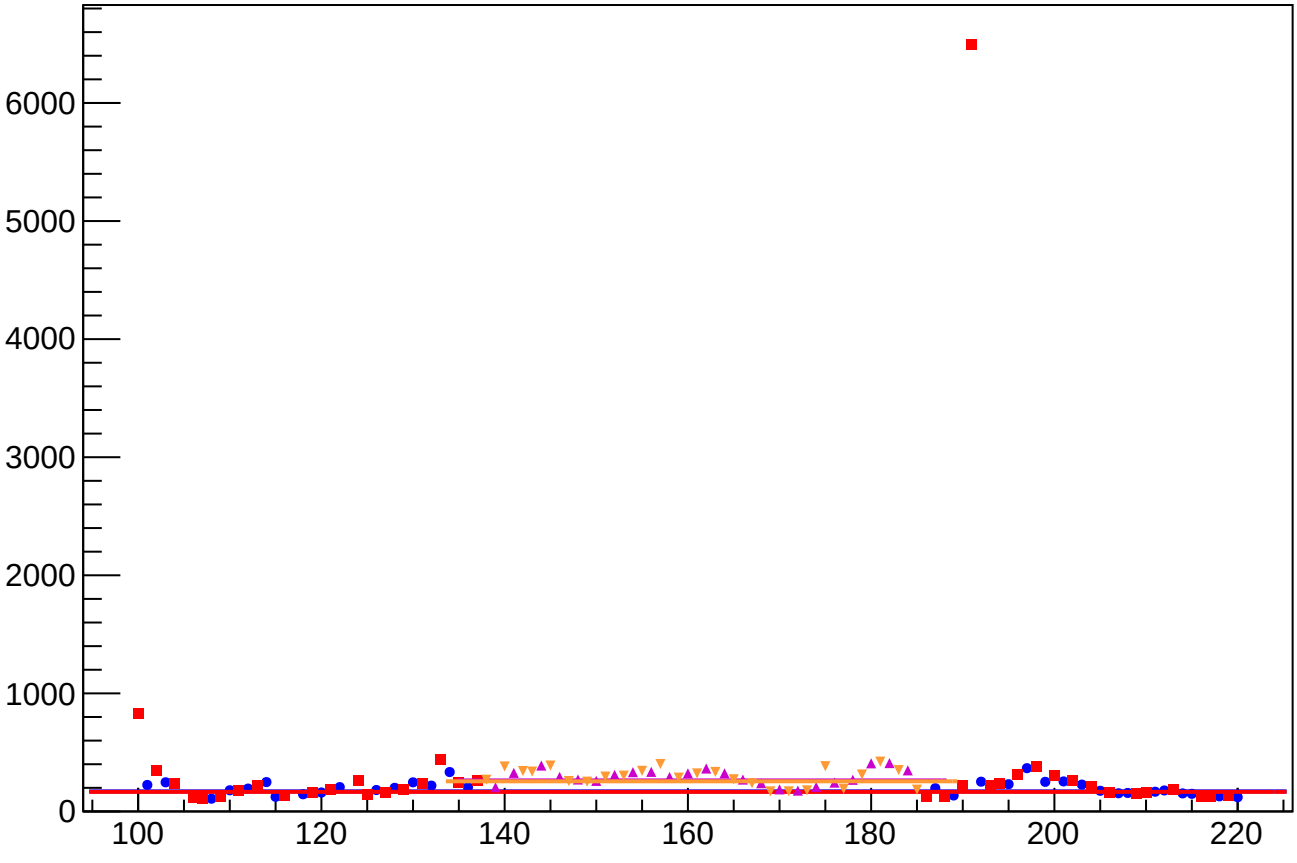
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.009+/-0.033 χ^2/NDF: 60.2/57

All: 0.025+/-0.024 χ^2/NDF: 129.8/117

- sign 0.041+/-0.033 χ^2/NDF: 69.1/59

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 170.154+/-0.028 χ^2/NDF: 2785217.3/32

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 165.938+/-0.028 χ^2/NDF: 4097785.8/36

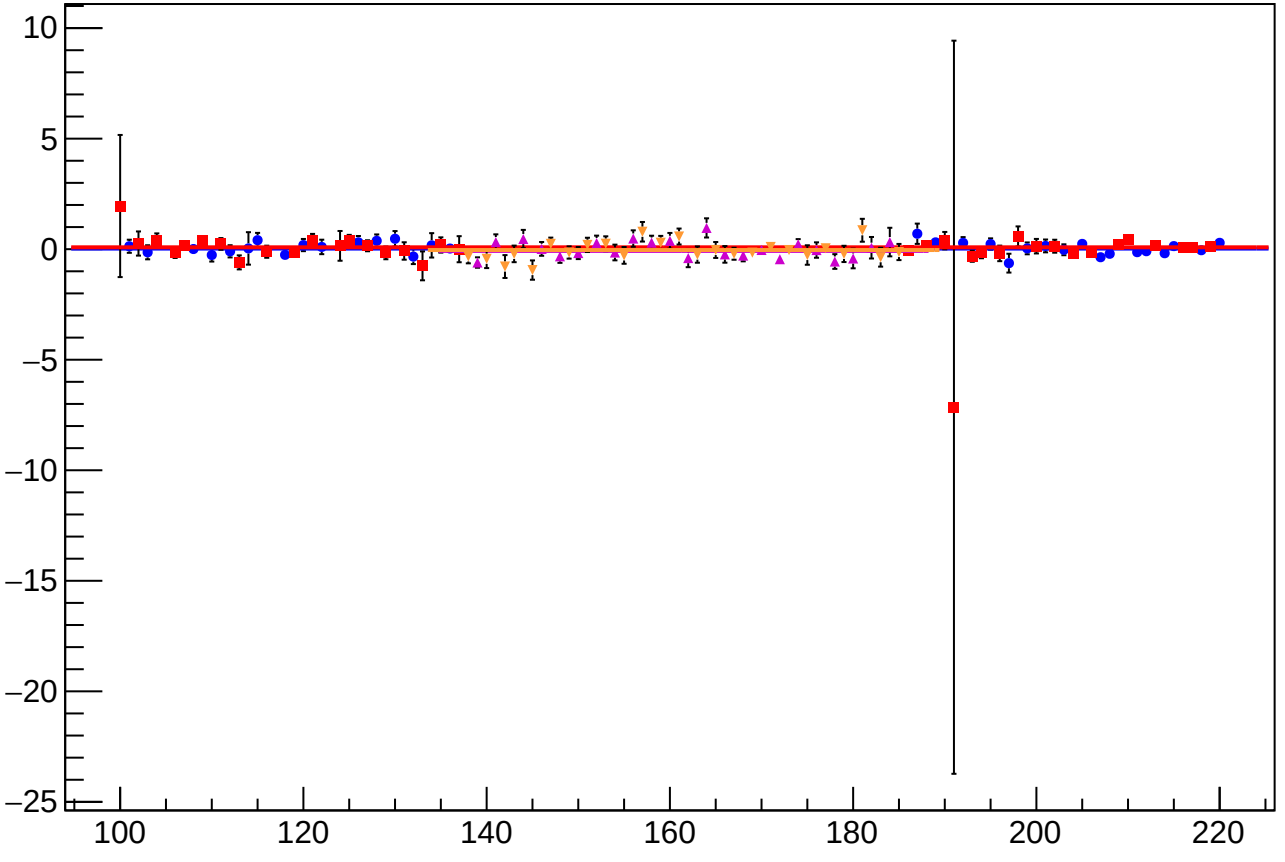
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 194.636+/-0.023 χ^2/NDF: 8418953.2/57

All: 193.125+/-0.017 χ^2/NDF: 17825792.3/11

- sign 191.597+/-0.024 χ^2/NDF: 9398509.0/59

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.028+/-0.039 χ^2/NDF: 35.0/32

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.084+/-0.039 χ^2/NDF: 33.4/36

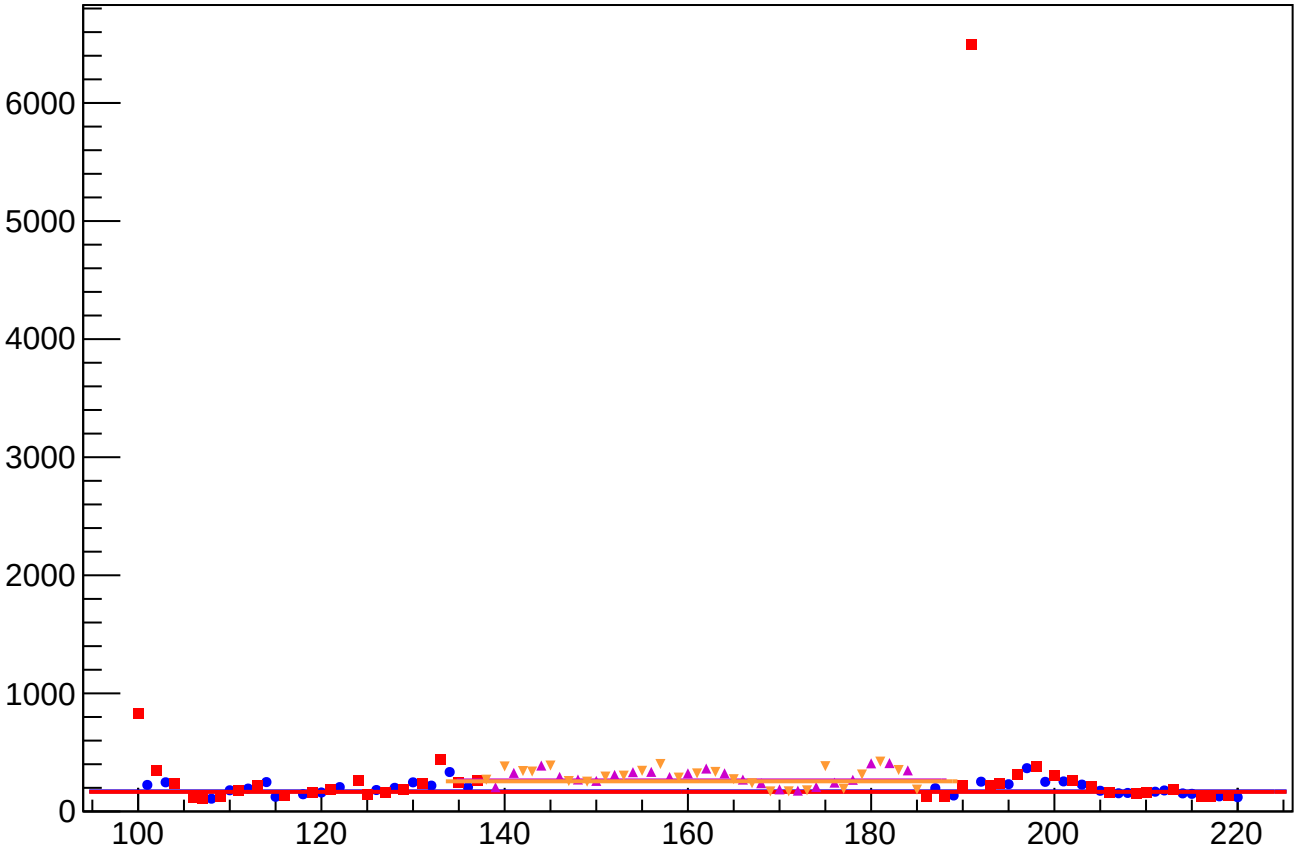
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.009+/-0.033 χ^2/NDF: 60.2/57

All: 0.025+/-0.024 χ^2/NDF: 129.8/117

- sign 0.041+/-0.033 χ^2/NDF: 69.1/59

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 170.154+/-0.028 χ^2/NDF: 2785217.3/32

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 165.938+/-0.028 χ^2/NDF: 4097785.8/36

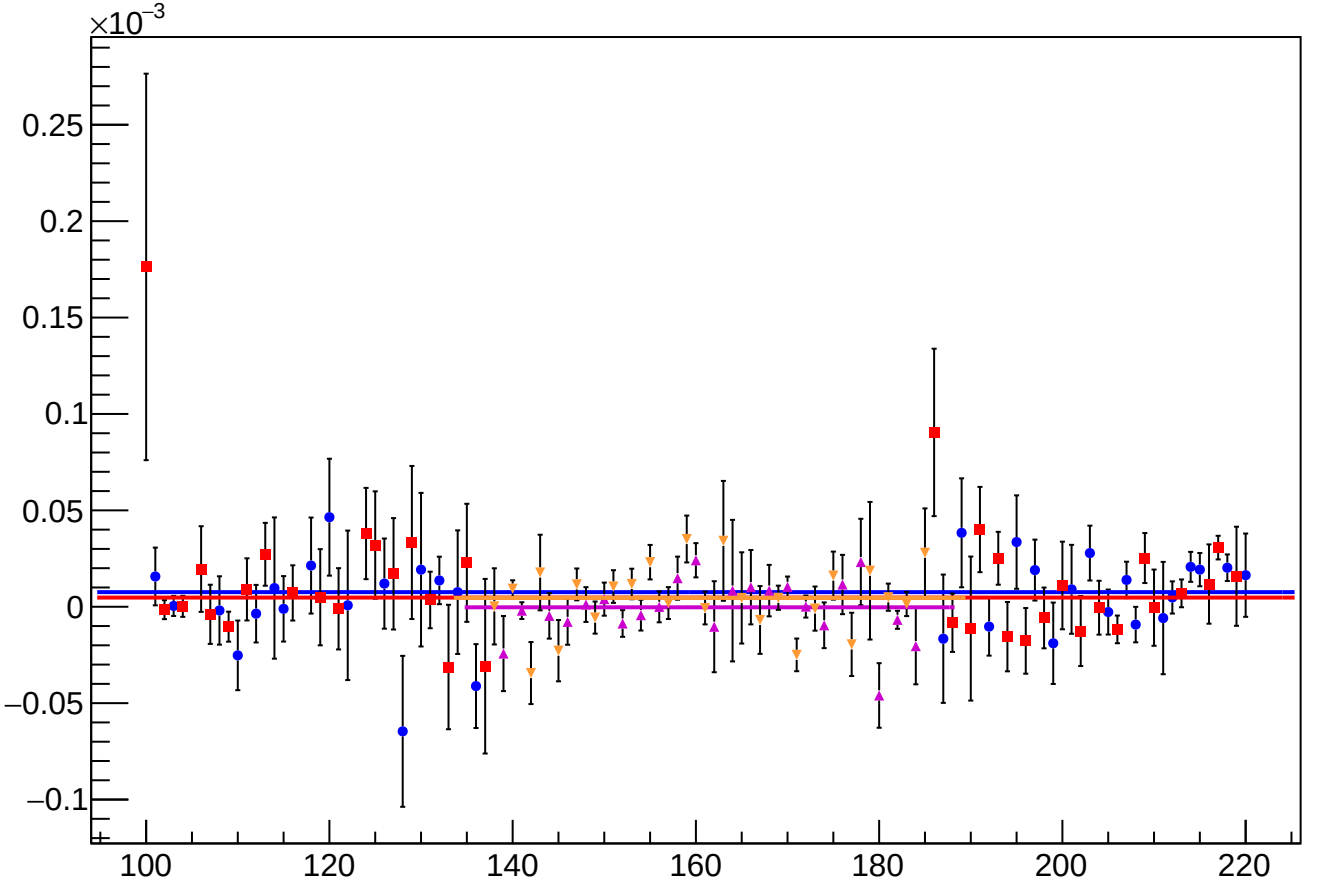
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 194.636+/-0.023 χ^2/NDF: 8418953.2/57

All: 193.125+/-0.017 χ^2/NDF: 17825792.3/11

- sign 191.597+/-0.024 χ^2/NDF: 9398509.0/59

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 38.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

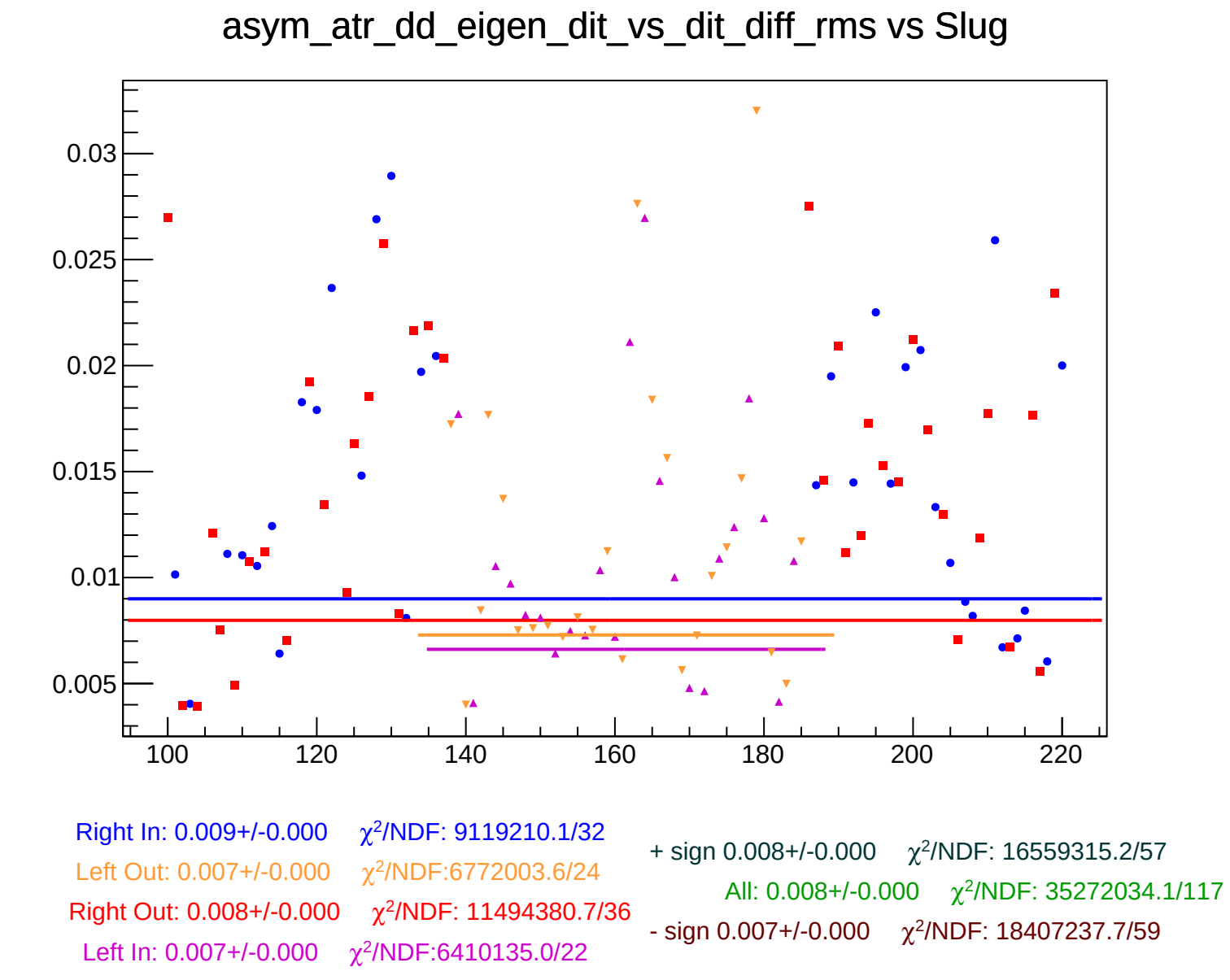
Right Out: 0.000+/-0.000 χ^2/NDF: 58.0/36

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

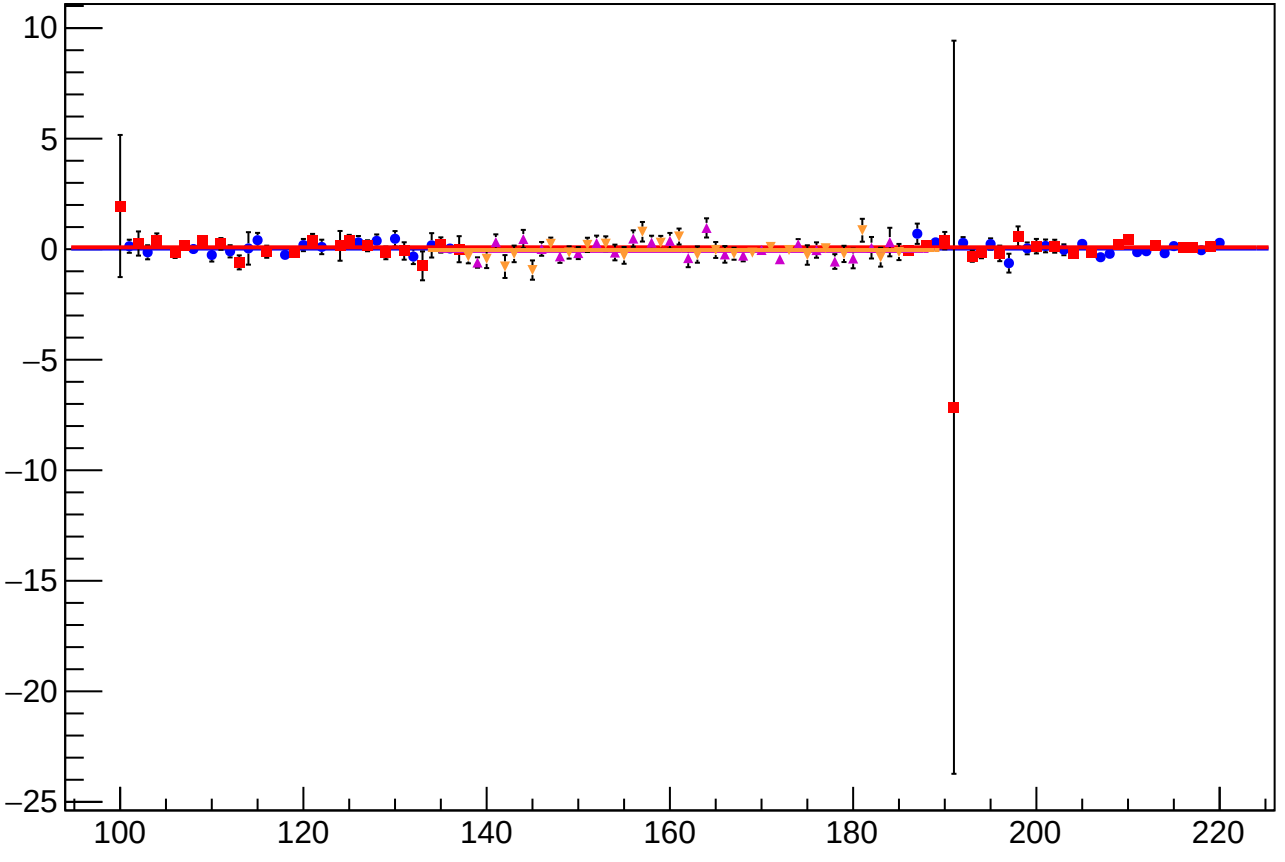
+ sign 0.000+/-0.000 χ^2/NDF: 83.3/57

All: 0.000+/-0.000 χ^2/NDF: 179.8/117

- sign 0.000+/-0.000 χ^2/NDF: 92.6/59


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
220
Right In: 0.009+/-0.000 χ²/NDF: 9119210.1/32
Left Out: 0.007+/-0.000 χ²/NDF:6772003.6/24
Right Out: 0.008+/-0.000 χ²/NDF: 11494380.7/36
Left In: 0.007+/-0.000 χ²/NDF:6410135.0/22
+ sign 0.008+/-0.000 χ²/NDF: 16559315.2/57
All: 0.008+/-0.000 χ²/NDF: 35272034.1/117
- sign 0.007+/-0.000 χ²/NDF: 18407237.7/59

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.028+/-0.039 χ^2/NDF: 35.0/32

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.084+/-0.039 χ^2/NDF: 33.4/36

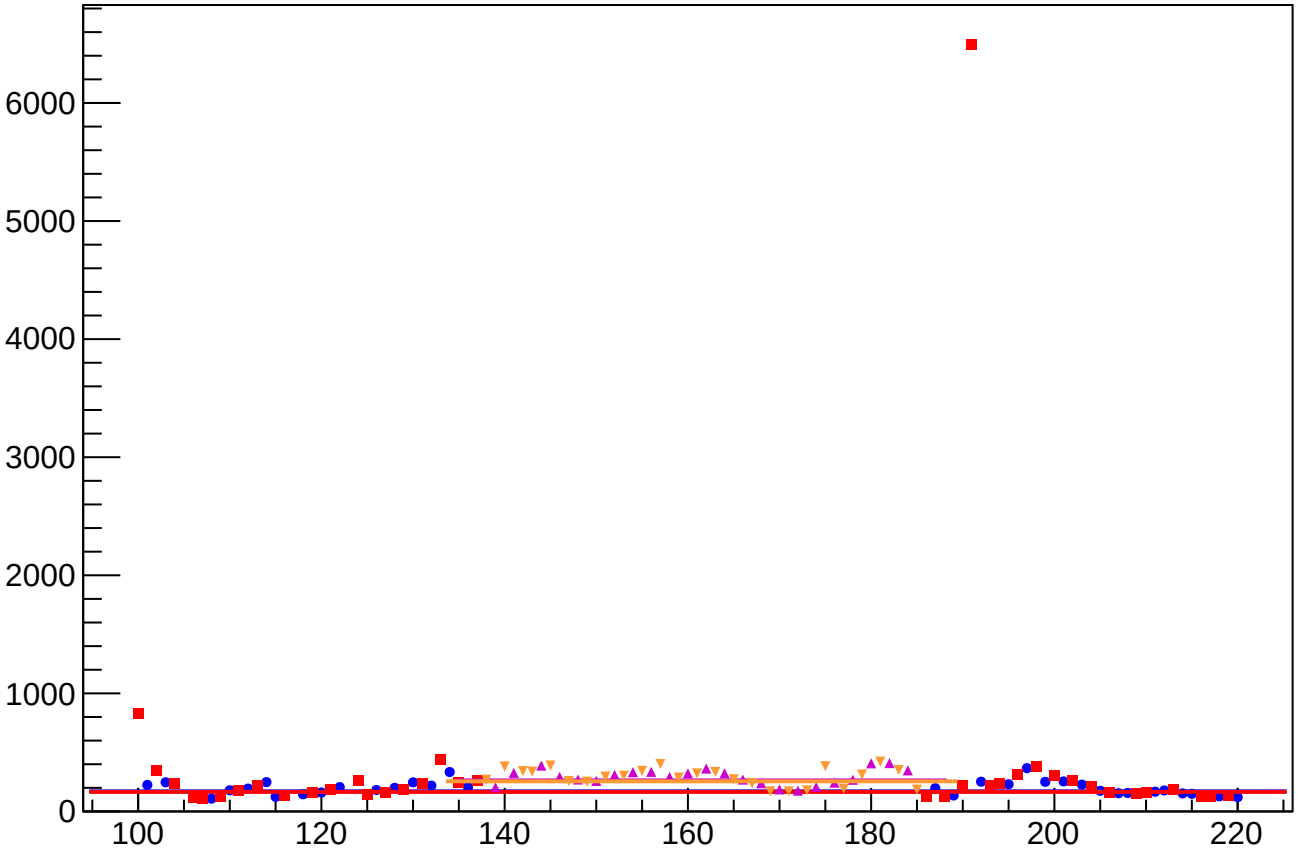
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.009+/-0.033 χ^2/NDF: 60.2/57

All: 0.025+/-0.024 χ^2/NDF: 129.8/117

- sign 0.041+/-0.033 χ^2/NDF: 69.1/59

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 170.153+/-0.028 χ^2/NDF: 2785291.6/32

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

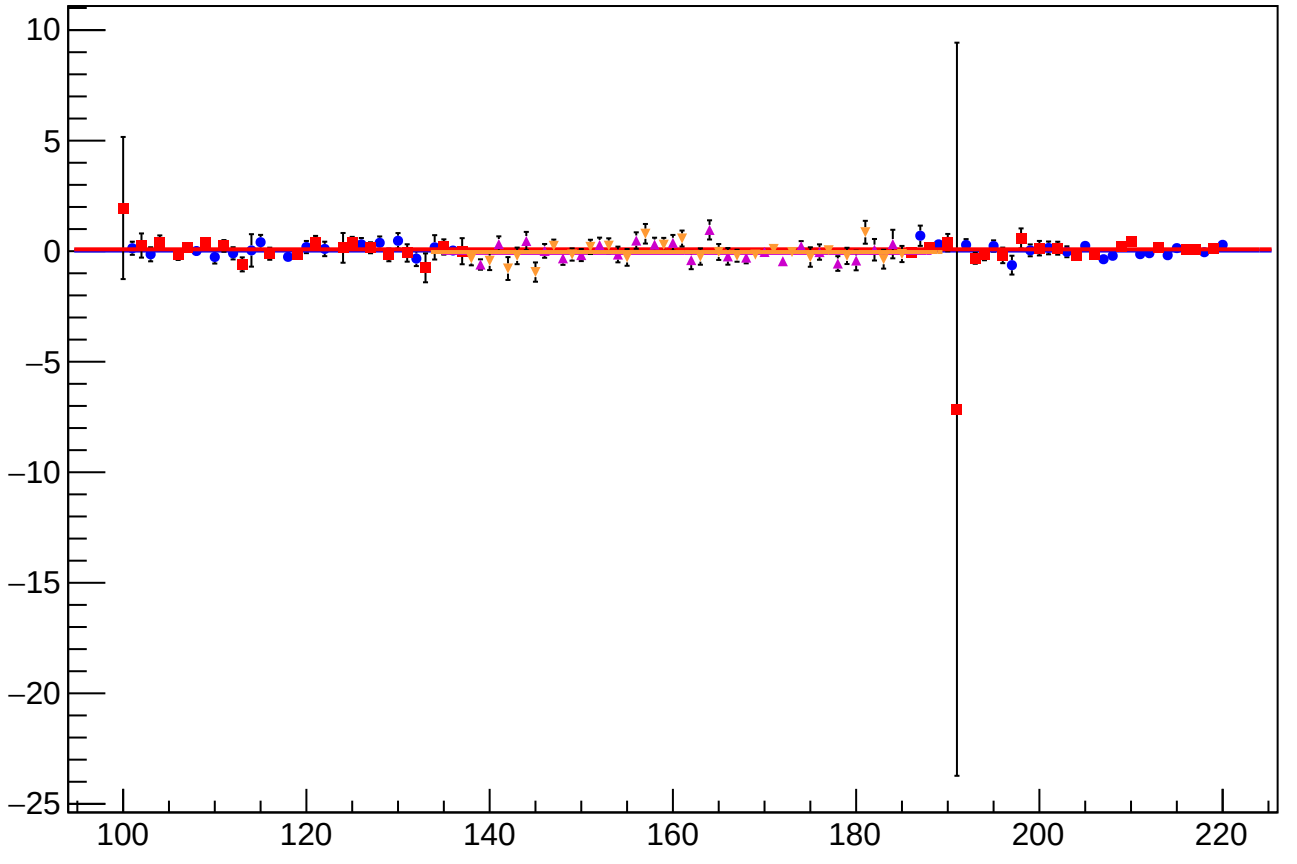
Right Out: 165.940+/-0.028 χ^2/NDF: 4097718.0/36

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 194.635+/-0.023 χ^2/NDF: 8419251.2/57

All: 193.126+/-0.017 χ^2/NDF: 17826076.6/11

- sign 191.598+/-0.024 χ^2/NDF: 9398504.0/59



Right In: 0.028+/-0.039 χ^2/NDF: 35.0/32

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

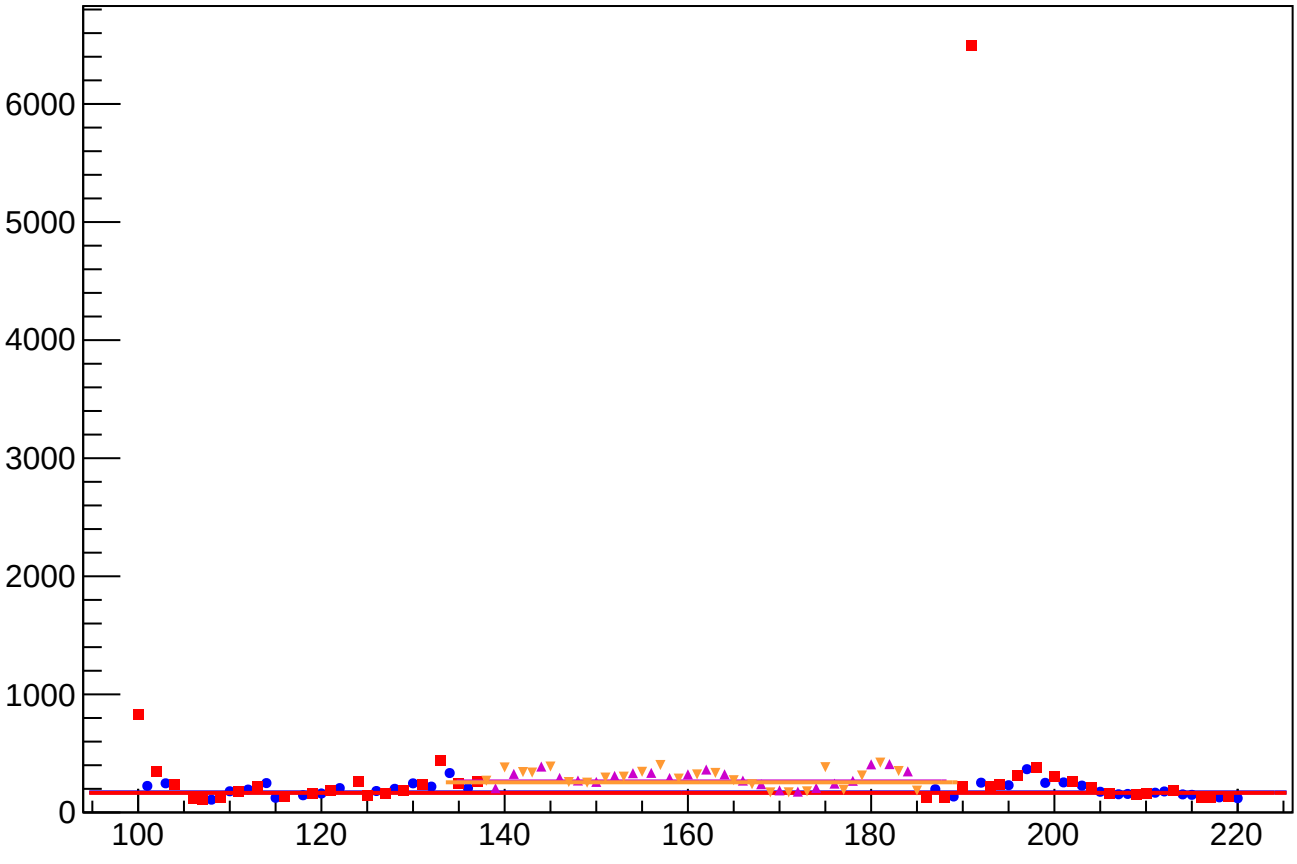
Right Out: 0.084+/-0.039 χ^2/NDF: 33.4/36

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

\+ sign 0.009+/-0.033 χ^2/NDF: 60.2/57

All: 0.025+/-0.024 χ^2/NDF: 129.8/117

\- sign 0.041+/-0.033 χ^2/NDF: 69.1/59



Right In: 170.153+/-0.028 χ^2/NDF: 2785291.6/32

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

Right Out: 165.940+/-0.028 χ^2/NDF: 4097718.0/36

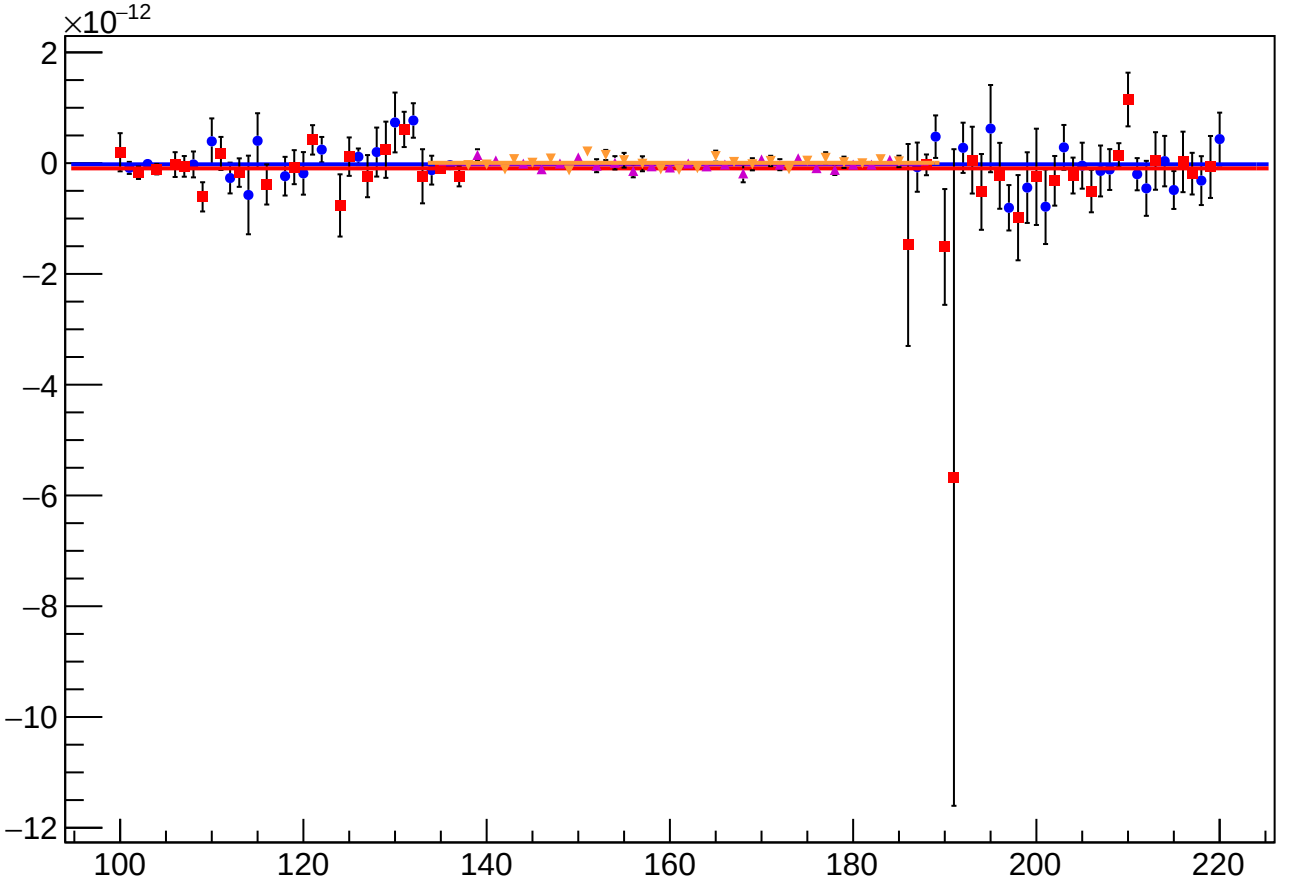
Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 194.635+/-0.023 χ^2/NDF: 8419251.2/57

All: 193.126+/-0.017 χ^2/NDF: 17826076.6/11

- sign 191.598+/-0.024 χ^2/NDF: 9398504.0/59

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

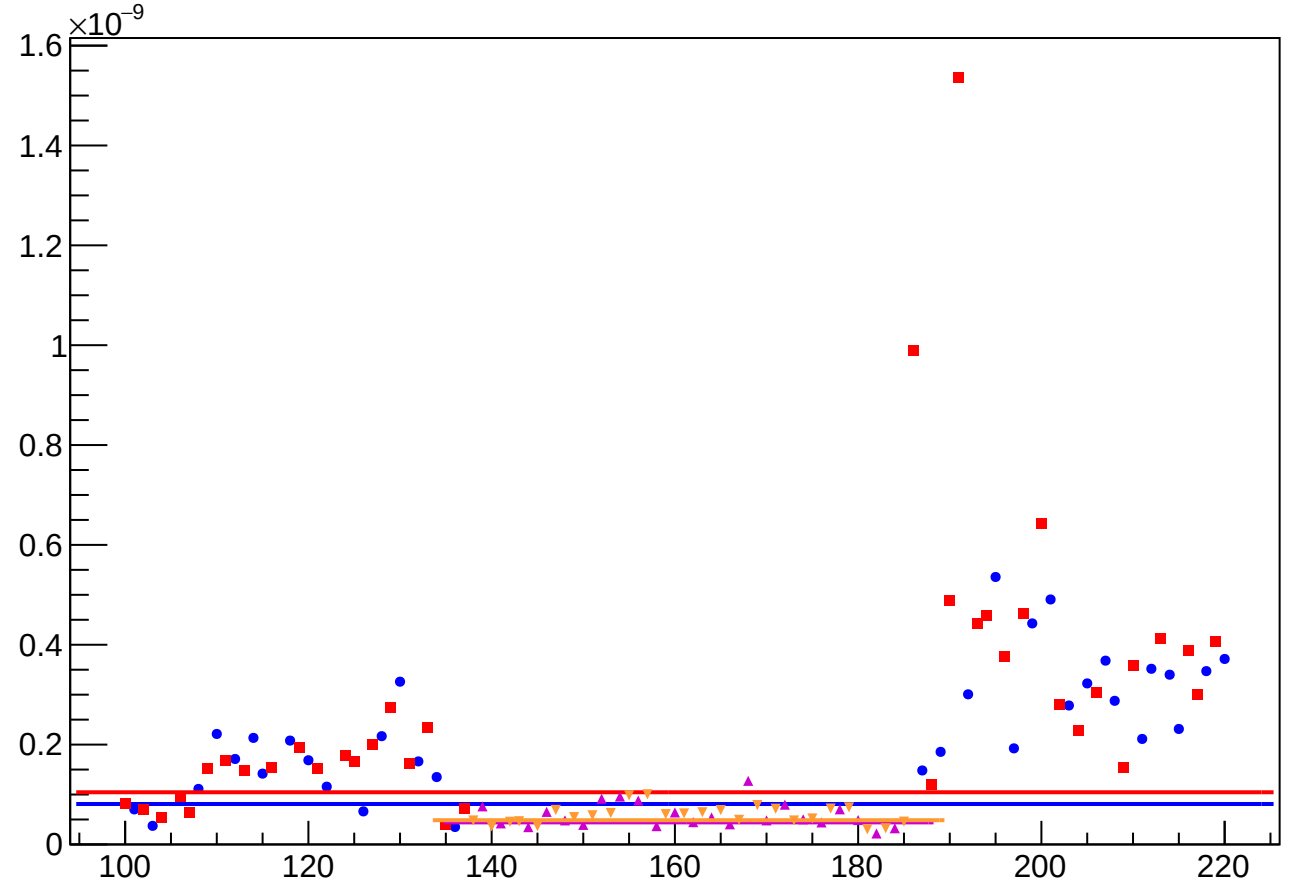
Right Out: -0.000+/-0.000 χ^2/NDF: 33.2/36

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.4/57

All: -0.000+/-0.000 χ^2/NDF: 119.5/117

- sign -0.000+/-0.000 χ^2/NDF: 58.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 13106463.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2493290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11318915.2/36

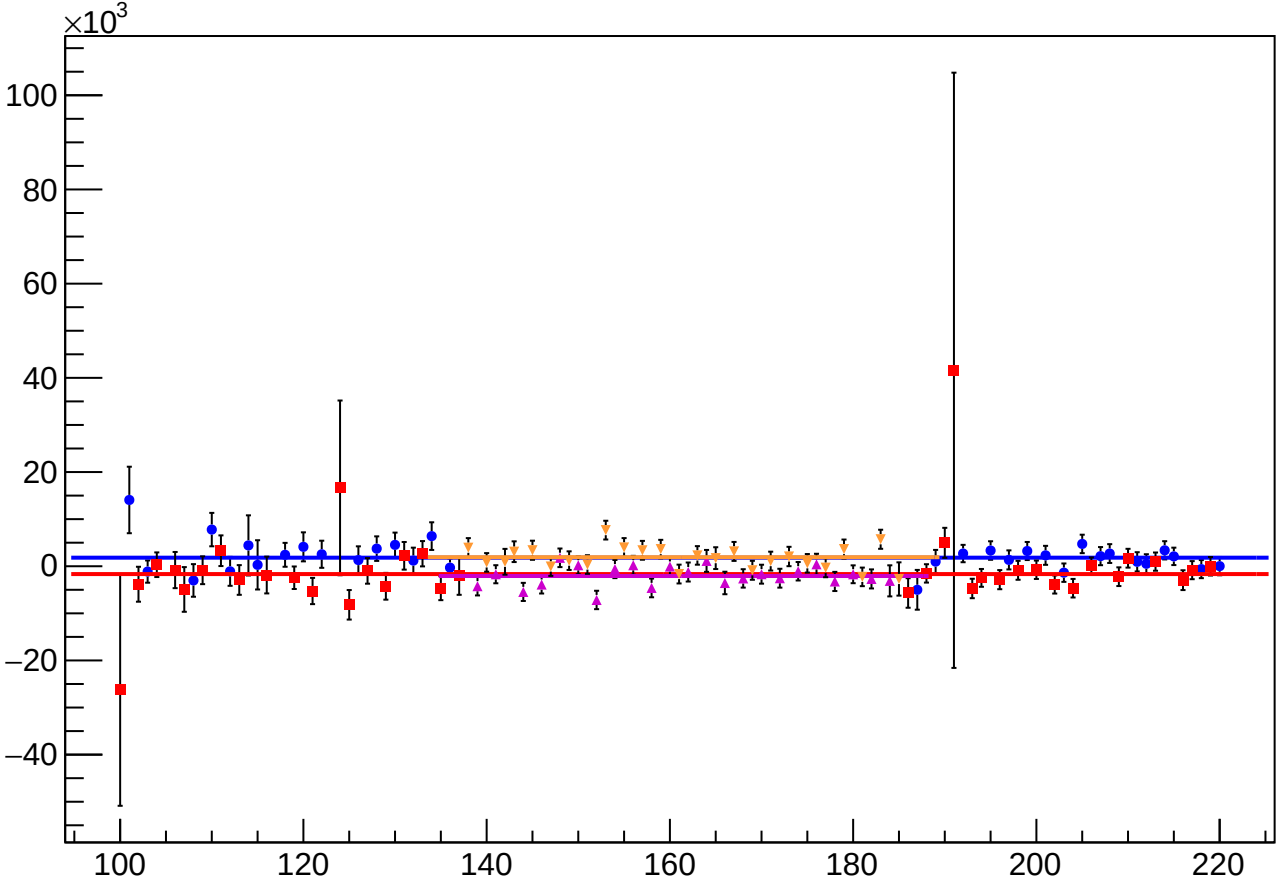
Left In: 0.000+/-0.000 χ^2/NDF:3624474.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 17201336.8/57

All: 0.000+/-0.000 χ^2/NDF: 36497523.2/117

- sign 0.000+/-0.000 χ^2/NDF: 19259169.6/59

reg_asym_at1_avg_mean vs Slug



Right In: 1819.636+/-408.216 χ^2/NDF: 29.6/32

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -1661.705+/-410.440 χ^2/NDF: 38.8/36

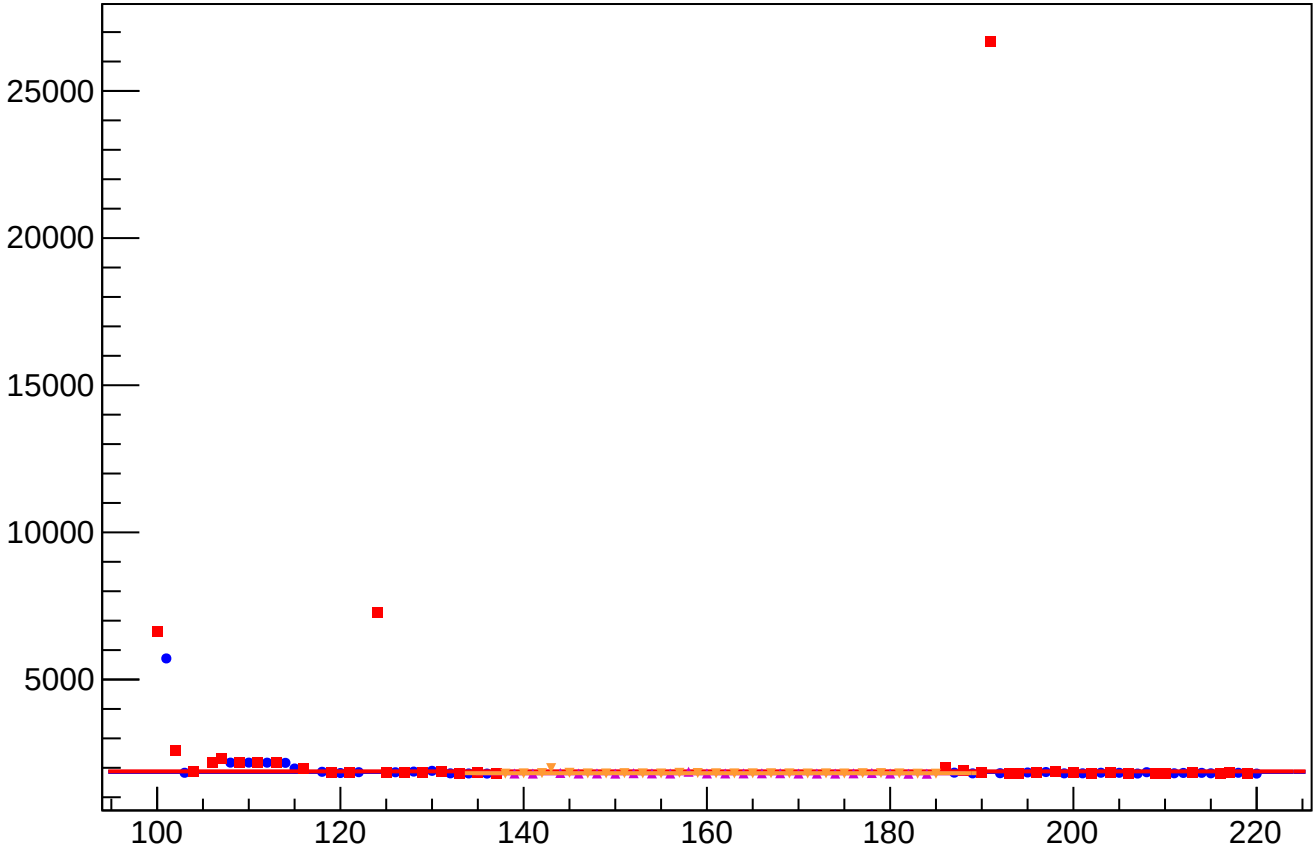
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1869.552+/-290.299 χ^2/NDF: 62.1/57

All: 31.600+/-206.788 χ^2/NDF: 209.3/117

- sign -1861.641+/-294.633 χ^2/NDF: 65.8/59

reg_asym_at1_avg_rms vs Slug



Right In: 1859.010+/-0.289 χ^2/NDF: 672616.5/32

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1879.191+/-0.290 χ^2/NDF: 747904.7/36

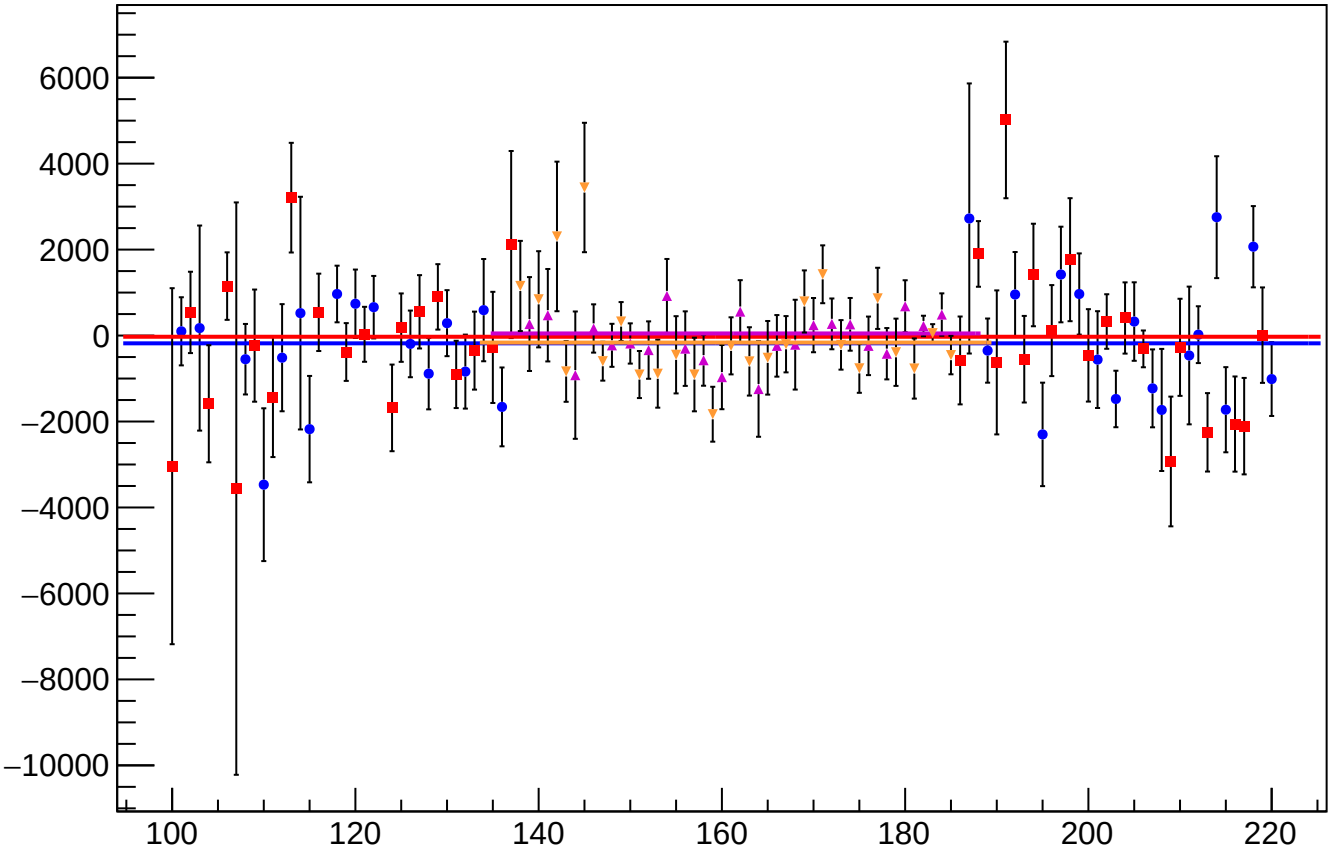
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1838.504+/-0.205 χ^2/NDF: 695781.6/57

All: 1842.634+/-0.146 χ^2/NDF: 1472080.4/11

- sign 1846.888+/-0.208 χ^2/NDF: 775477.1/59

asym_at1_avg_reg_correction_mean vs Slug



Right In: -180.952+/-164.270 χ^2/NDF: 46.1/32

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: -27.867+/-154.684 χ^2/NDF: 55.4/36

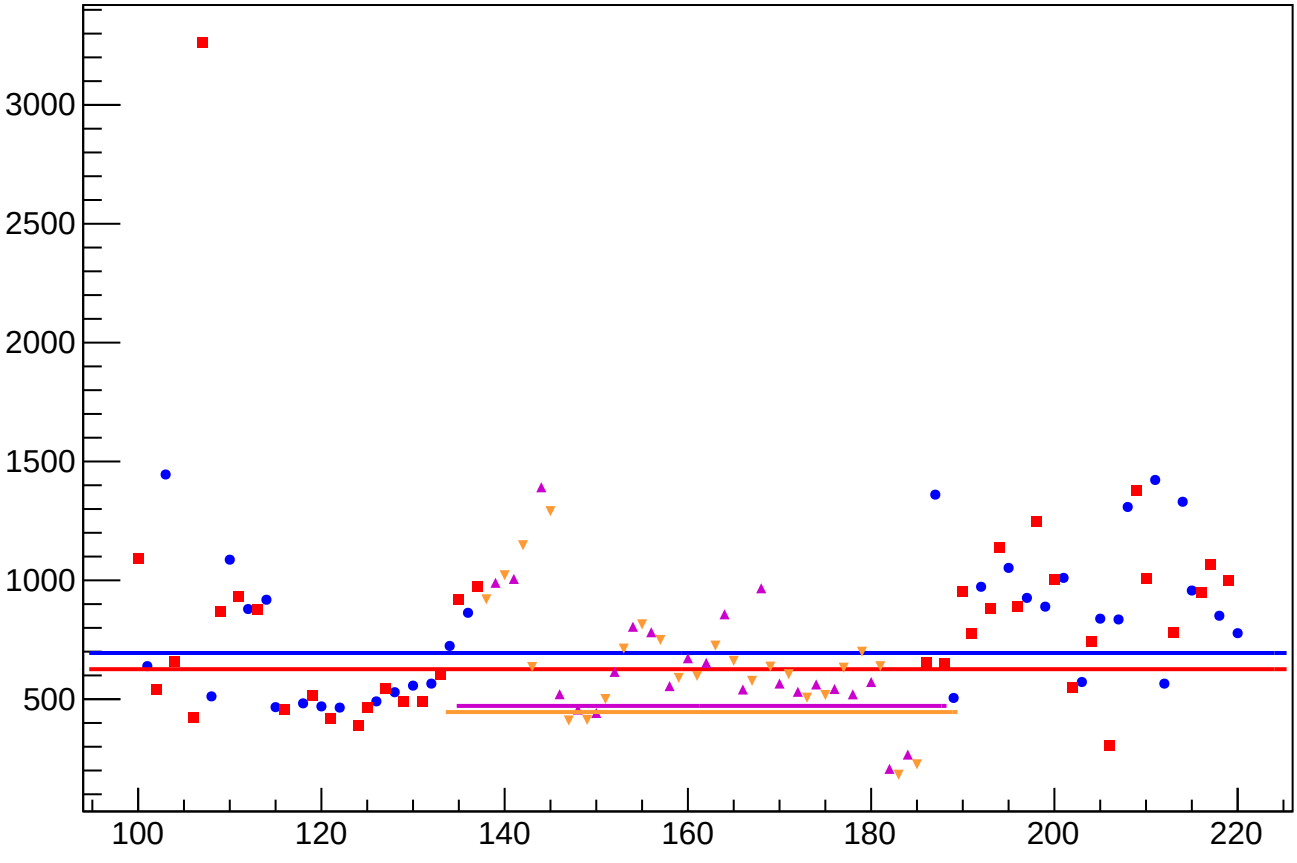
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -168.922+/-94.371 χ^2/NDF: 82.9/57

All: -76.449+/-67.342 χ^2/NDF: 151.8/117

- sign 19.494+/-96.125 χ^2/NDF: 66.9/59

asym_at1_avg_reg_correction_rms vs Slug



Right In: 694.393+/-0.116 χ^2/NDF: 4021866.1/32

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 626.221+/-0.109 χ^2/NDF: 5557747.4/36

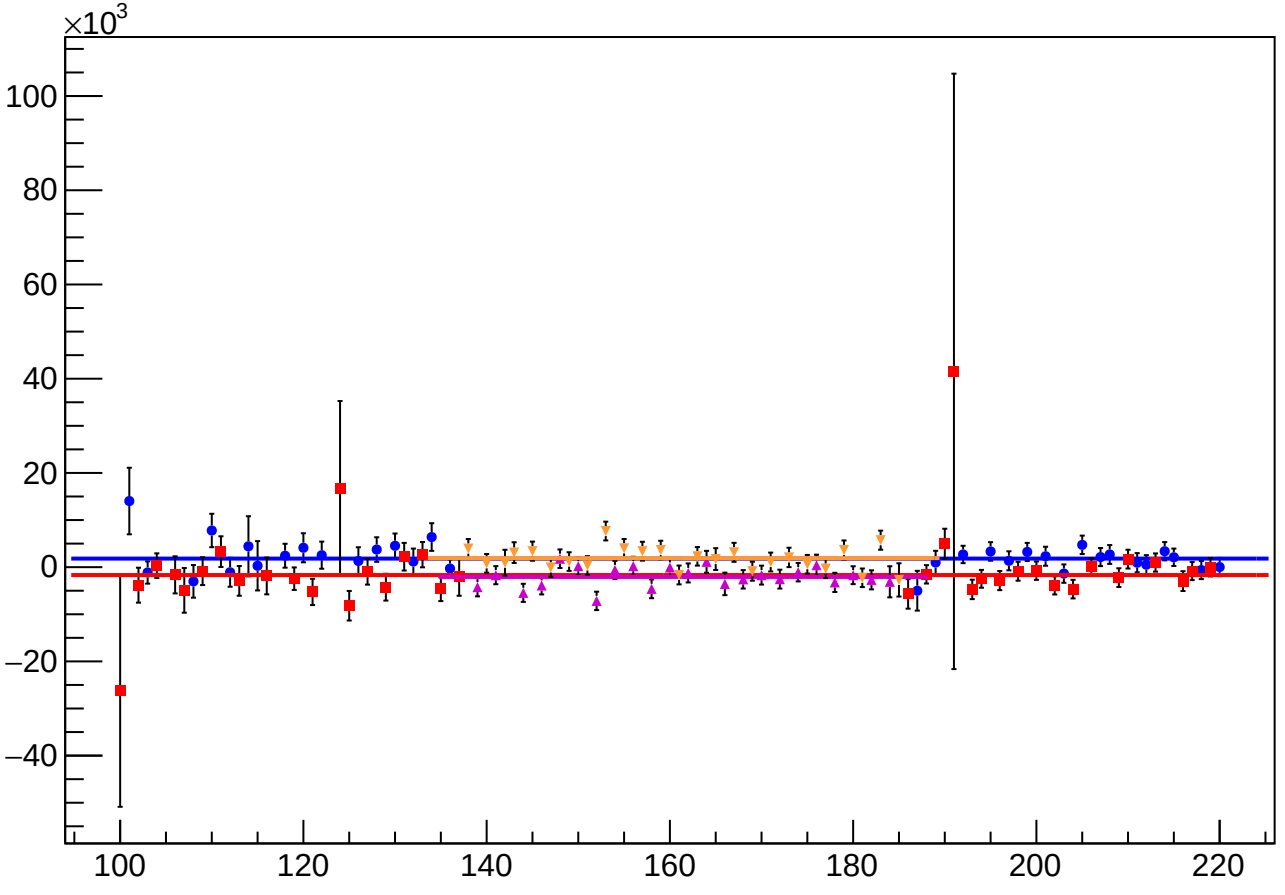
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 527.907+/-0.067 χ^2/NDF: 15070646.3/57

All: 529.621+/-0.048 χ^2/NDF: 28267993.1/11

- sign 531.400+/-0.068 χ^2/NDF: 13196001.6/59

cor_asym_at1_avg_mean vs Slug



Right In: 1819.507+/-408.216 χ^2/NDF: 29.5/32

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1671.197+/-410.552 χ^2/NDF: 38.7/36

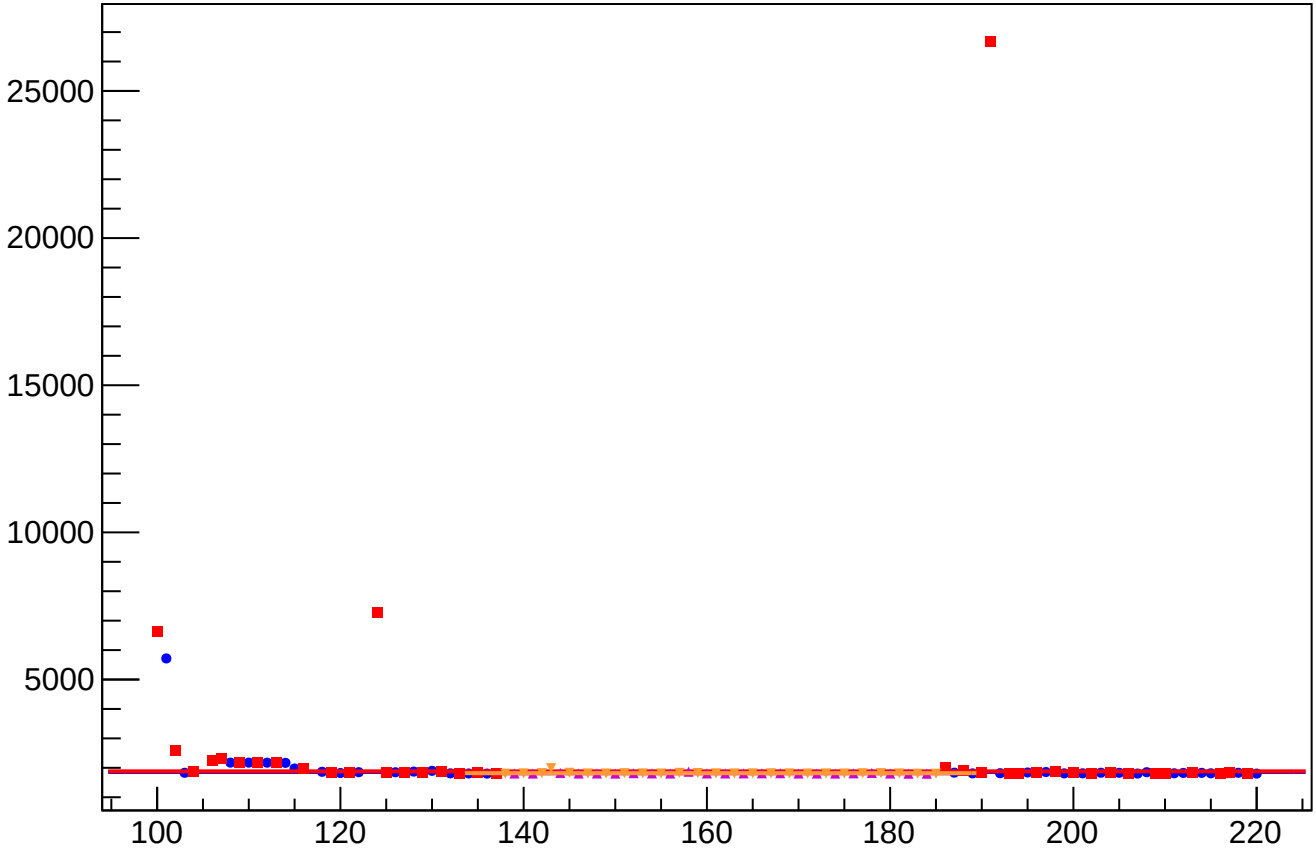
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1869.469+/-290.299 χ^2/NDF: 62.1/57

All: 29.360+/-206.802 χ^2/NDF: 209.4/117

- sign -1866.636+/-294.675 χ^2/NDF: 65.7/59

cor_asym_at1_avg_rms vs Slug



Right In: 1859.010+/-0.289 χ^2/NDF: 672616.5/32

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

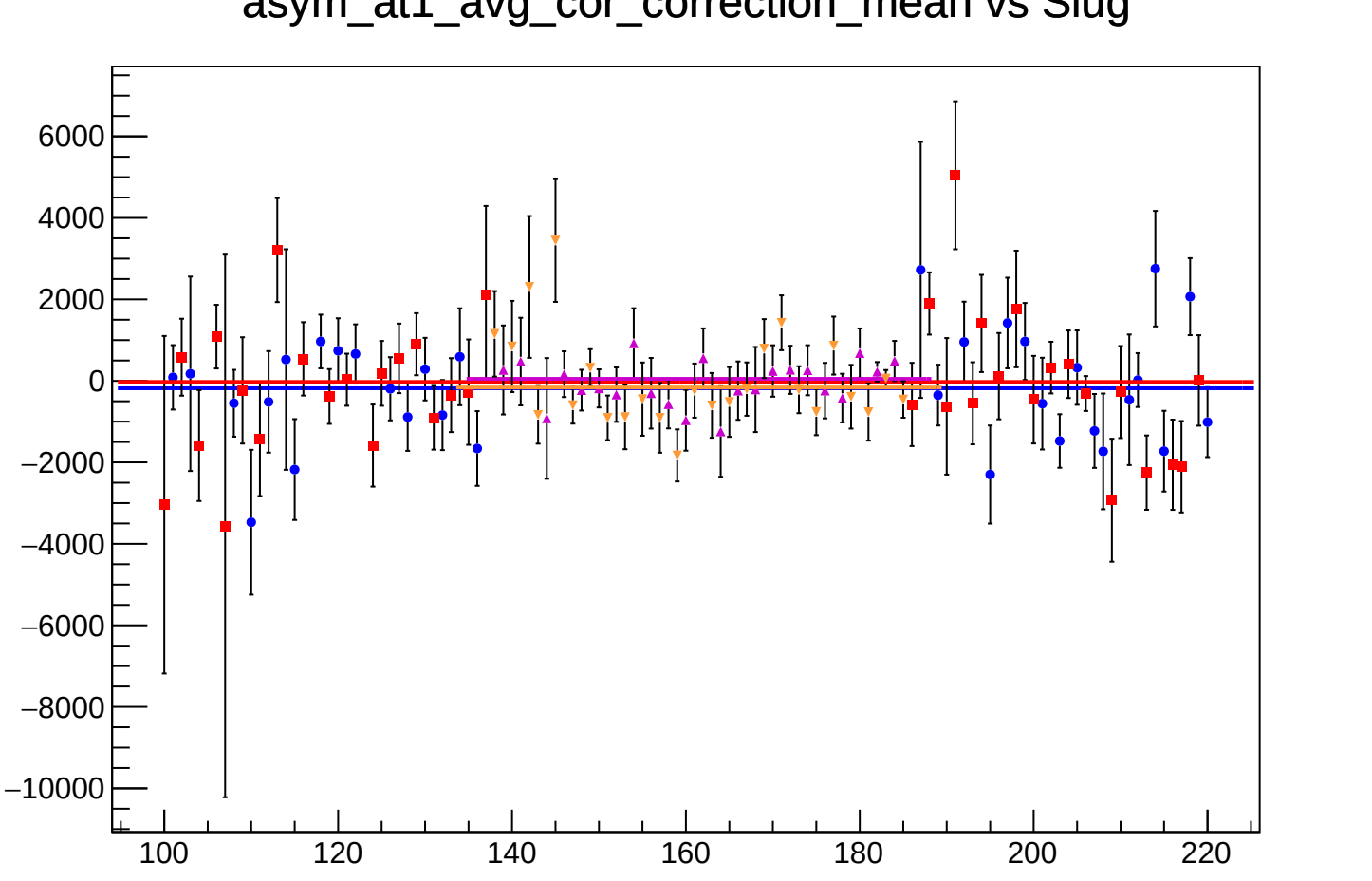
Right Out: 1879.572+/-0.290 χ^2/NDF: 751707.0/36

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1838.504+/-0.205 χ^2/NDF: 695781.5/57

All: 1842.726+/-0.146 χ^2/NDF: 1476205.9/11

- sign 1847.075+/-0.208 χ^2/NDF: 779565.7/59



Right In: -181.387+/-164.253 χ^2/NDF: 46.1/32

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -26.115+/-154.631 χ^2/NDF: 55.1/36

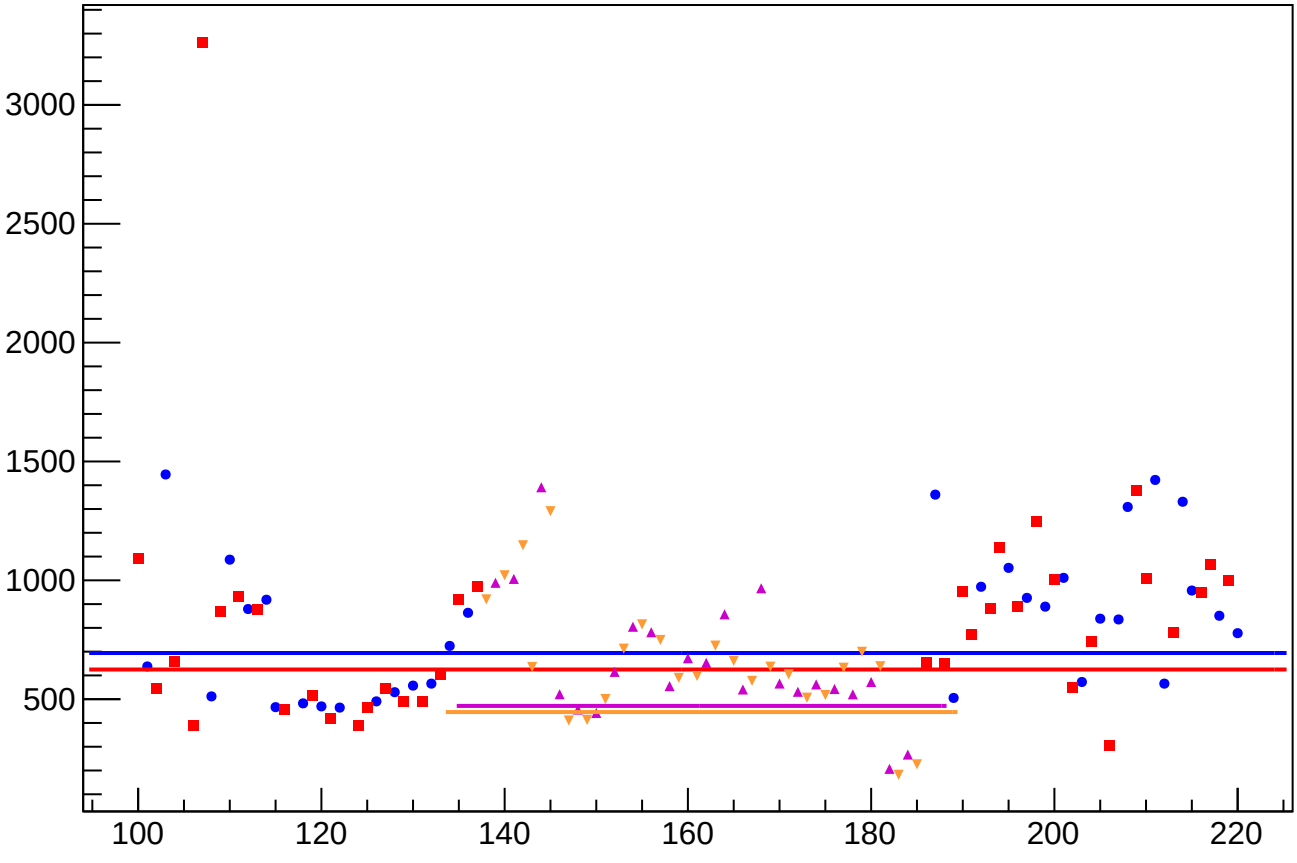
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -169.010+/-94.365 χ^2/NDF: 82.9/57

All: -76.156+/-67.336 χ^2/NDF: 151.5/117

- sign 20.170+/-96.114 χ^2/NDF: 66.6/59

asym_at1_avg_cor_correction_rms vs Slug



Right In: 694.322+/-0.116 χ^2/NDF: 4022472.6/32

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

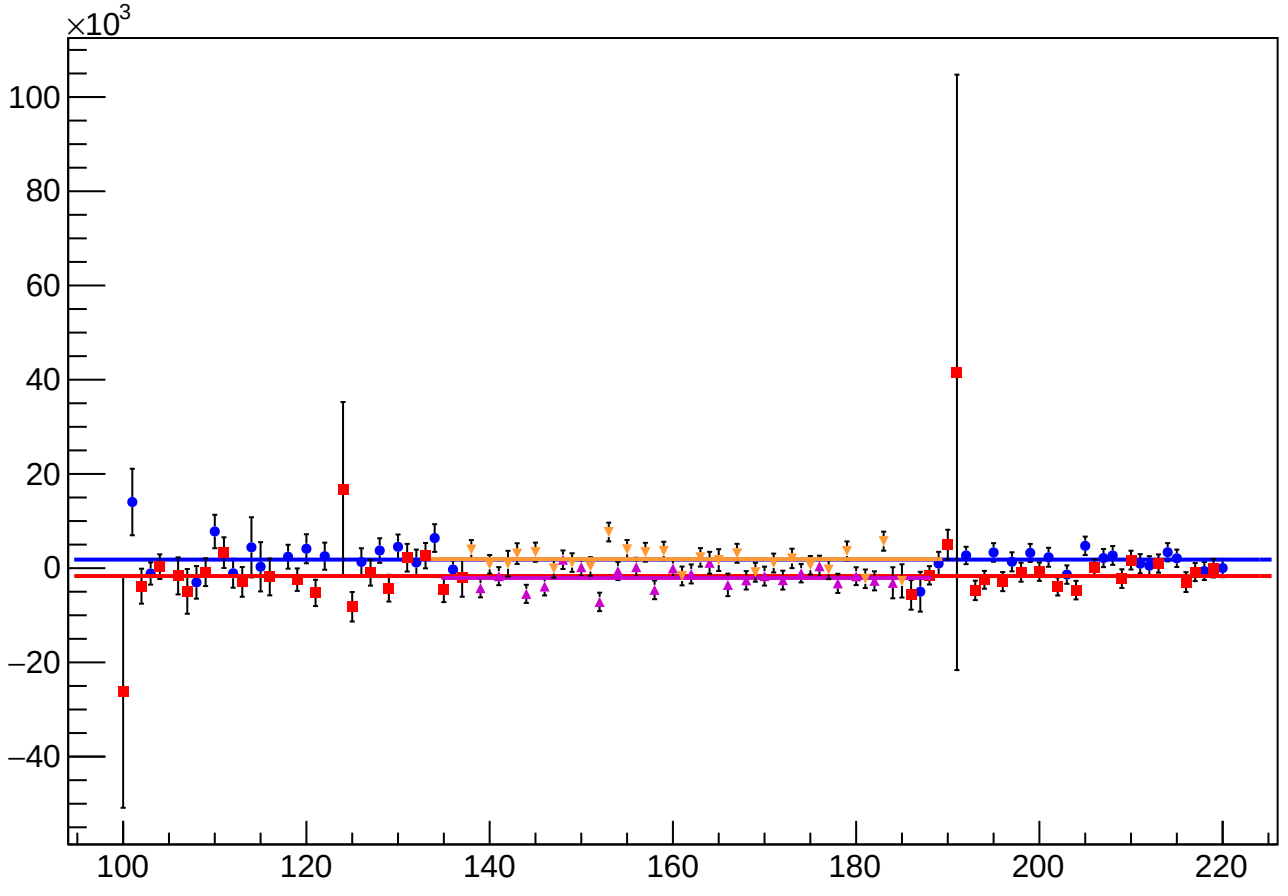
Right Out: 624.887+/-0.109 χ^2/NDF: 5606766.1/36

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 527.874+/-0.067 χ^2/NDF: 15072070.2/57

All: 529.368+/-0.048 χ^2/NDF: 28297132.5/11

- sign 530.918+/-0.068 χ^2/NDF: 13224040.8/59



Right In: 1819.507+/-408.216 χ^2/NDF: 29.5/32

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -1671.197+/-410.552 χ^2/NDF: 38.7/36

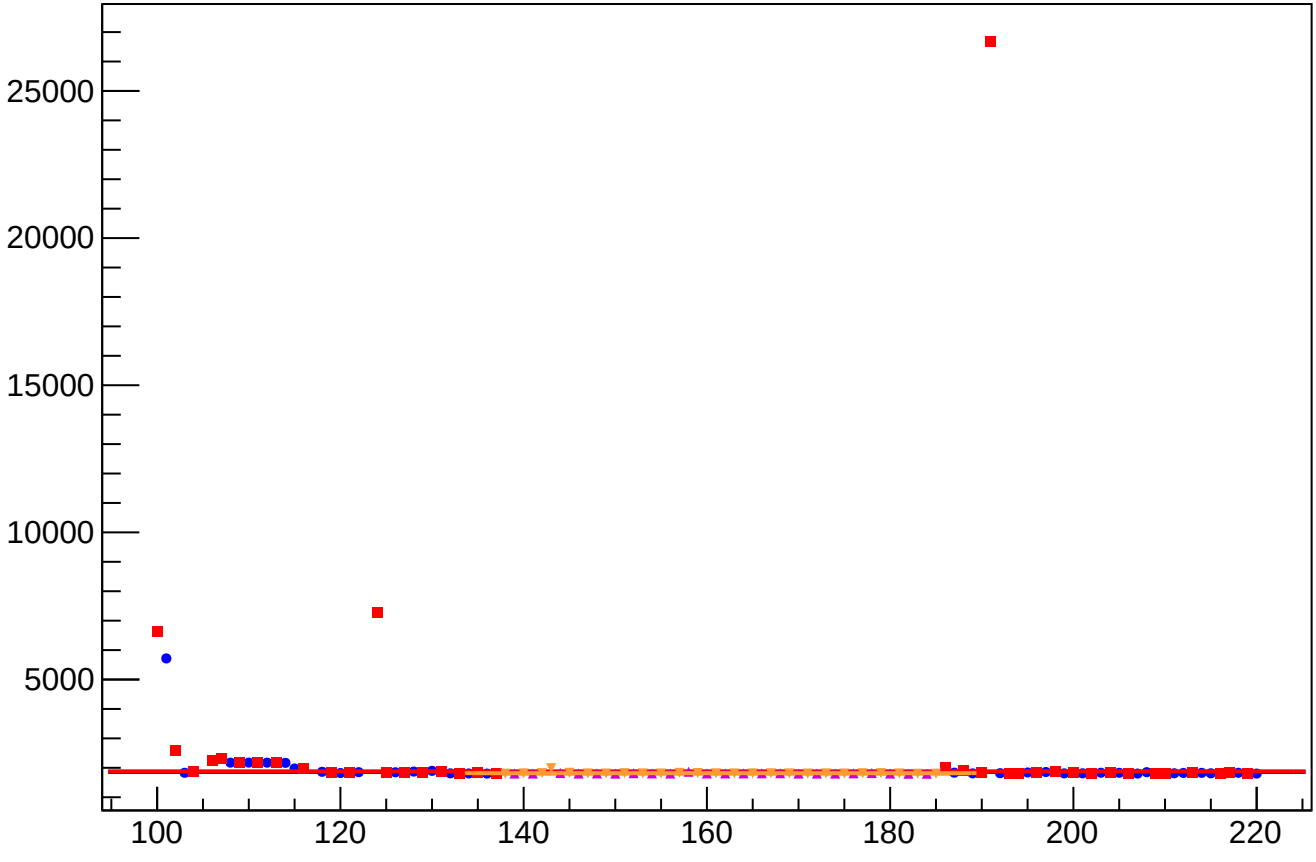
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1869.469+/-290.299 χ^2/NDF: 62.1/57

All: 29.360+/-206.802 χ^2/NDF: 209.4/117

- sign -1866.636+/-294.675 χ^2/NDF: 65.7/59

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1859.010+/-0.289 χ^2/NDF: 672616.5/32

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

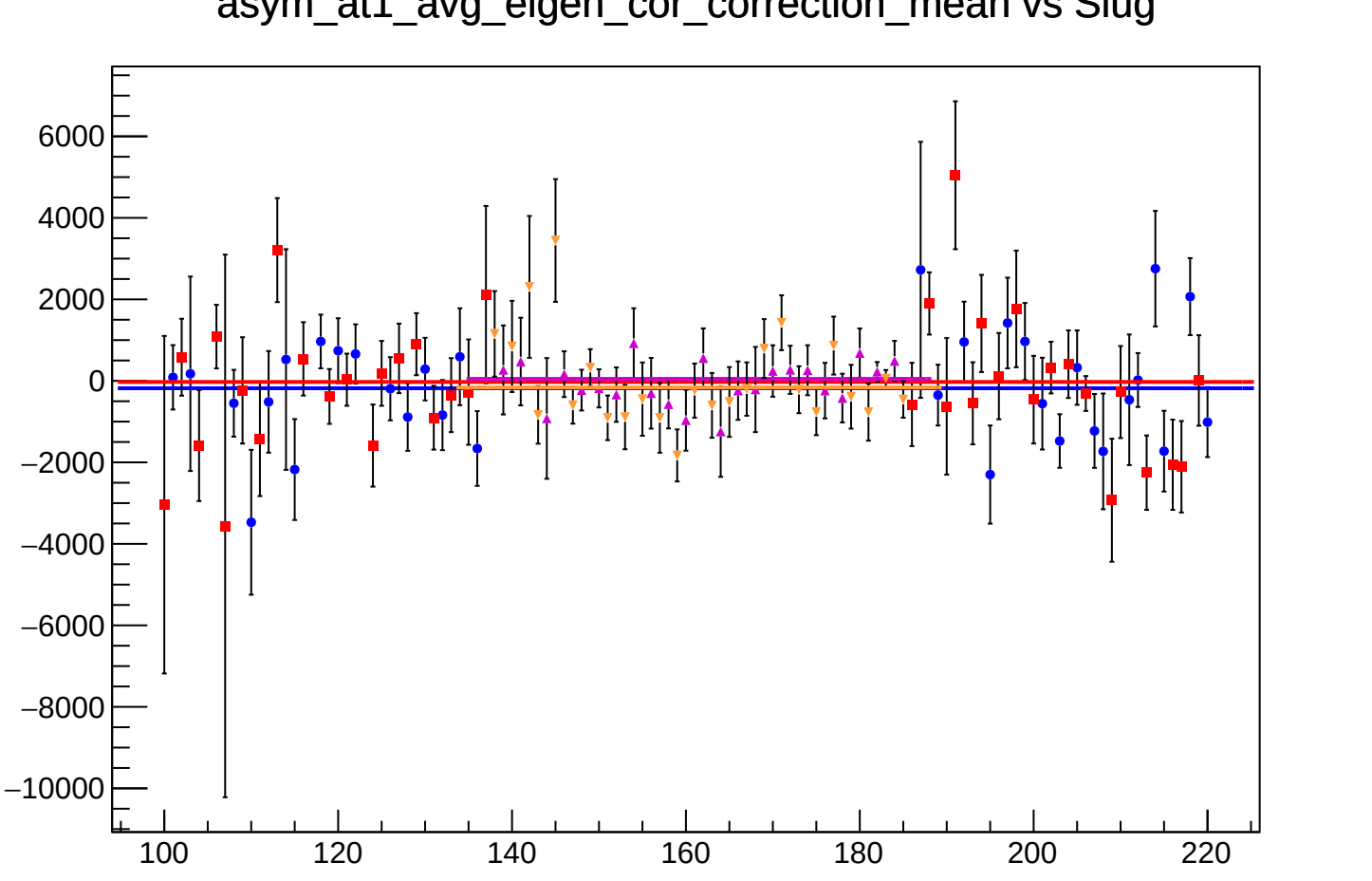
Right Out: 1879.572+/-0.290 χ^2/NDF: 751707.0/36

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1838.504+/-0.205 χ^2/NDF: 695781.5/57

All: 1842.726+/-0.146 χ^2/NDF: 1476205.9/11

- sign 1847.075+/-0.208 χ^2/NDF: 779565.7/59



Right In: -181.387+/-164.253 χ^2/NDF: 46.1/32

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: -26.115+/-154.631 χ^2/NDF: 55.1/36

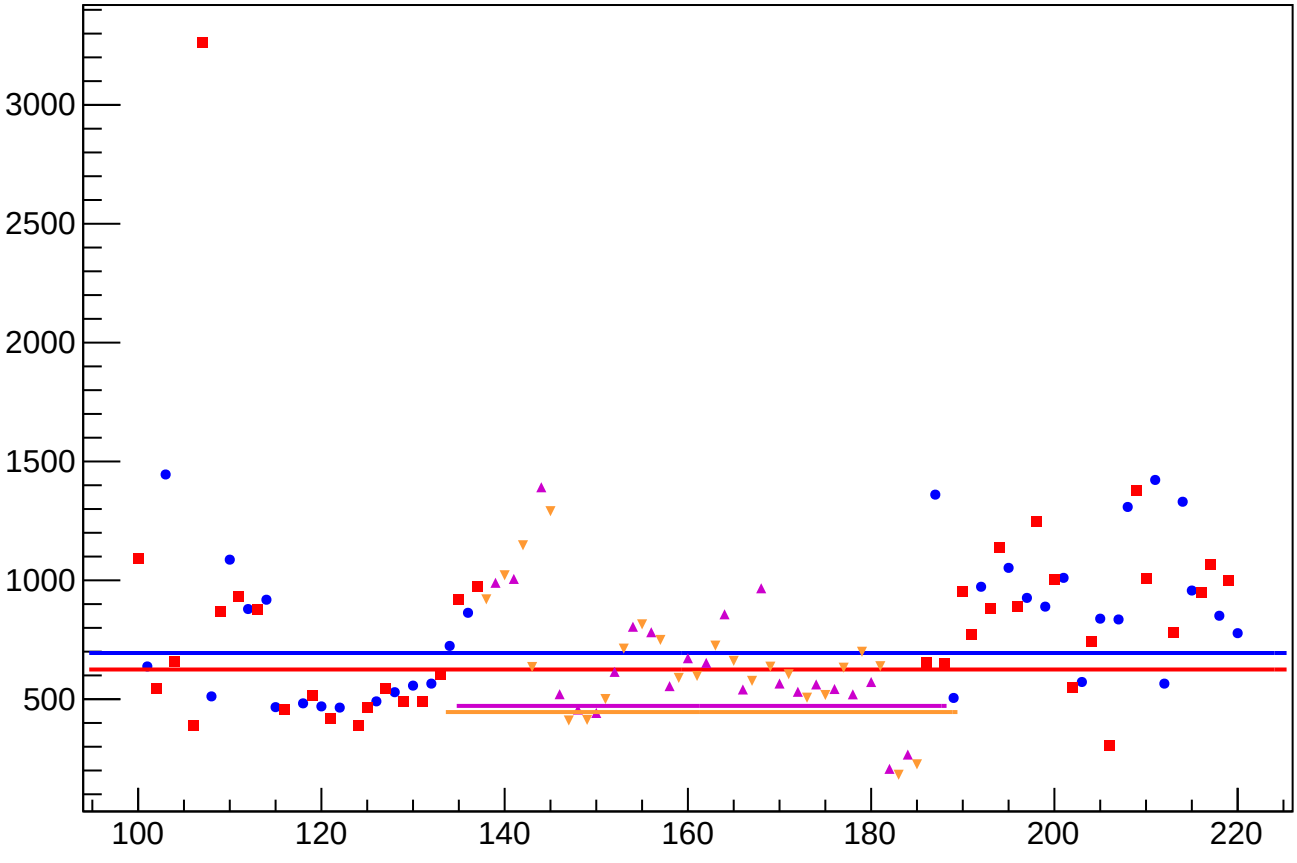
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -169.010+/-94.365 χ^2/NDF: 82.9/57

All: -76.156+/-67.336 χ^2/NDF: 151.5/117

- sign 20.170+/-96.114 χ^2/NDF: 66.6/59

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 694.322+/-0.116 χ^2/NDF: 4022472.6/32

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

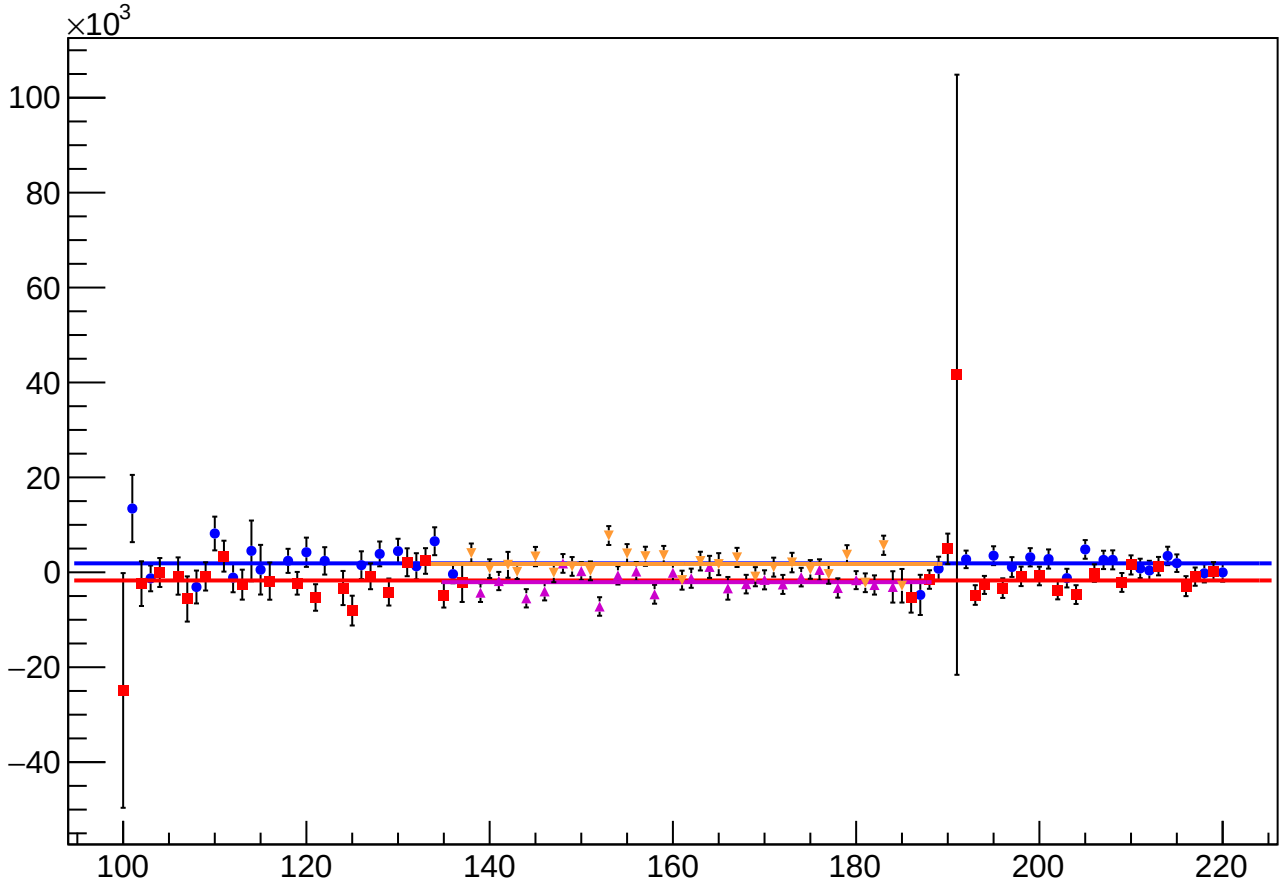
Right Out: 624.887+/-0.109 χ^2/NDF: 5606766.1/36

Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 527.874+/-0.067 χ^2/NDF: 15072070.2/57

All: 529.368+/-0.048 χ^2/NDF: 28297132.5/11

- sign 530.918+/-0.068 χ^2/NDF: 13224040.8/59



Right In: 1887.836+/-411.556 χ^2/NDF: 29.5/32

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -1717.597+/-412.578 χ^2/NDF: 37.0/36

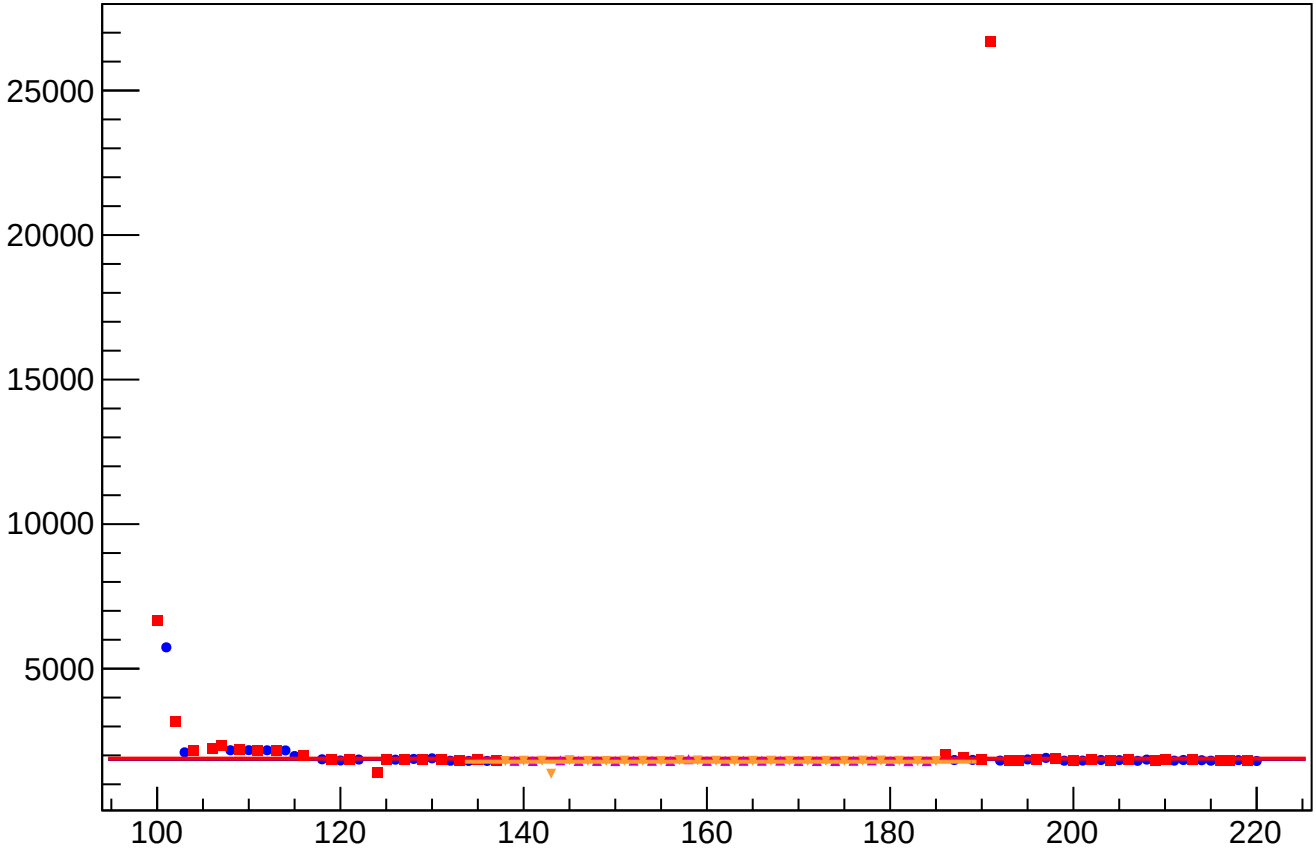
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1820.668+/-288.813 χ^2/NDF: 63.4/57

All: 7.853+/-206.570 χ^2/NDF: 208.4/117

- sign -1890.809+/-295.573 χ^2/NDF: 64.4/59

dit_asym_at1_avg_rms vs Slug



Right In: 1873.710+/-0.291 χ^2/NDF: 686645.3/32

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1887.699+/-0.292 χ^2/NDF: 705752.0/36

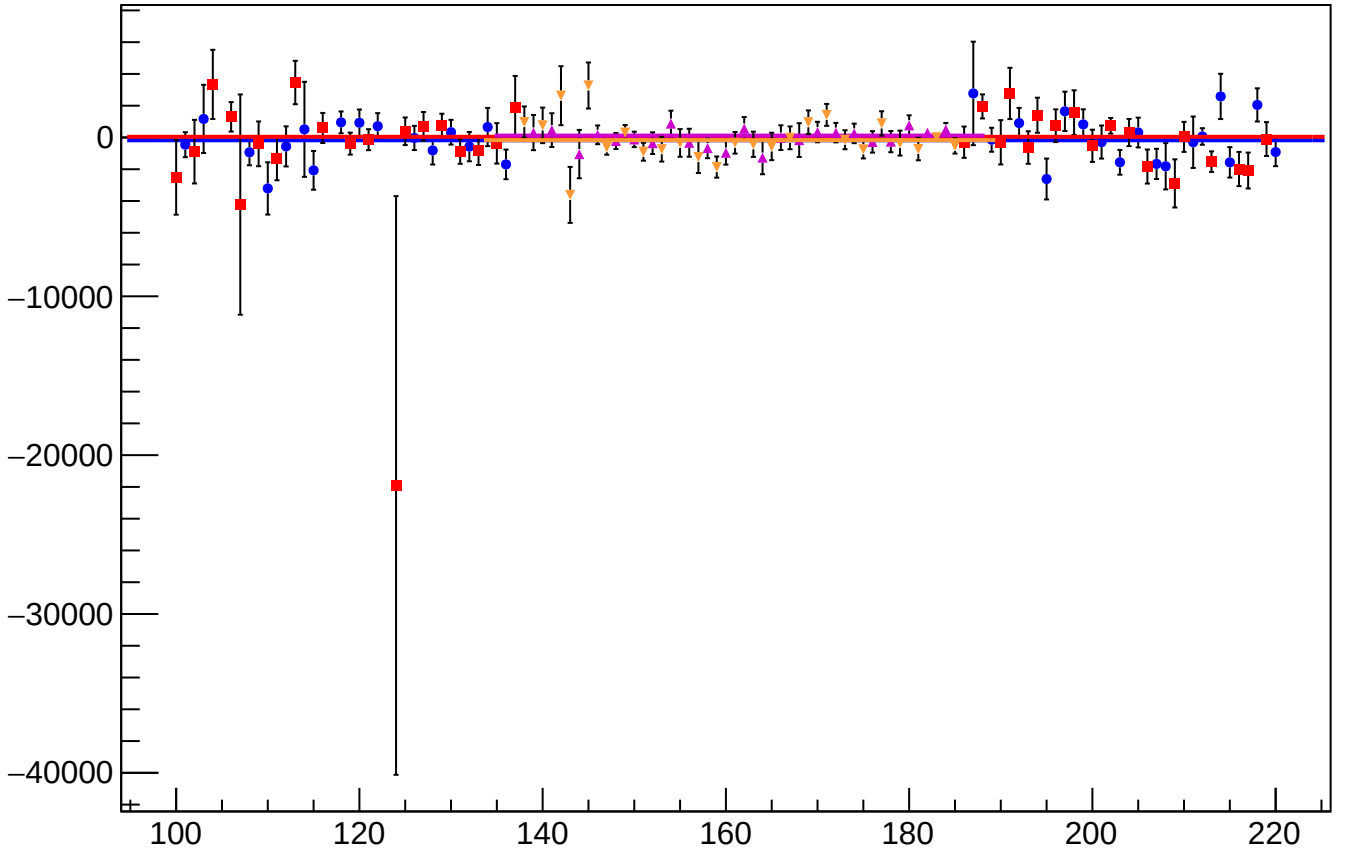
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.613+/-0.204 χ^2/NDF: 903188.4/57

All: 1839.030+/-0.146 χ^2/NDF: 1649303.5/11

- sign 1852.036+/-0.209 χ^2/NDF: 738545.4/59

asym_at1_avg_dit_correction_mean vs Slug



Right In: -176.833+/-166.069 χ^2/NDF: 44.7/32

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 42.273+/-163.031 χ^2/NDF: 55.5/36

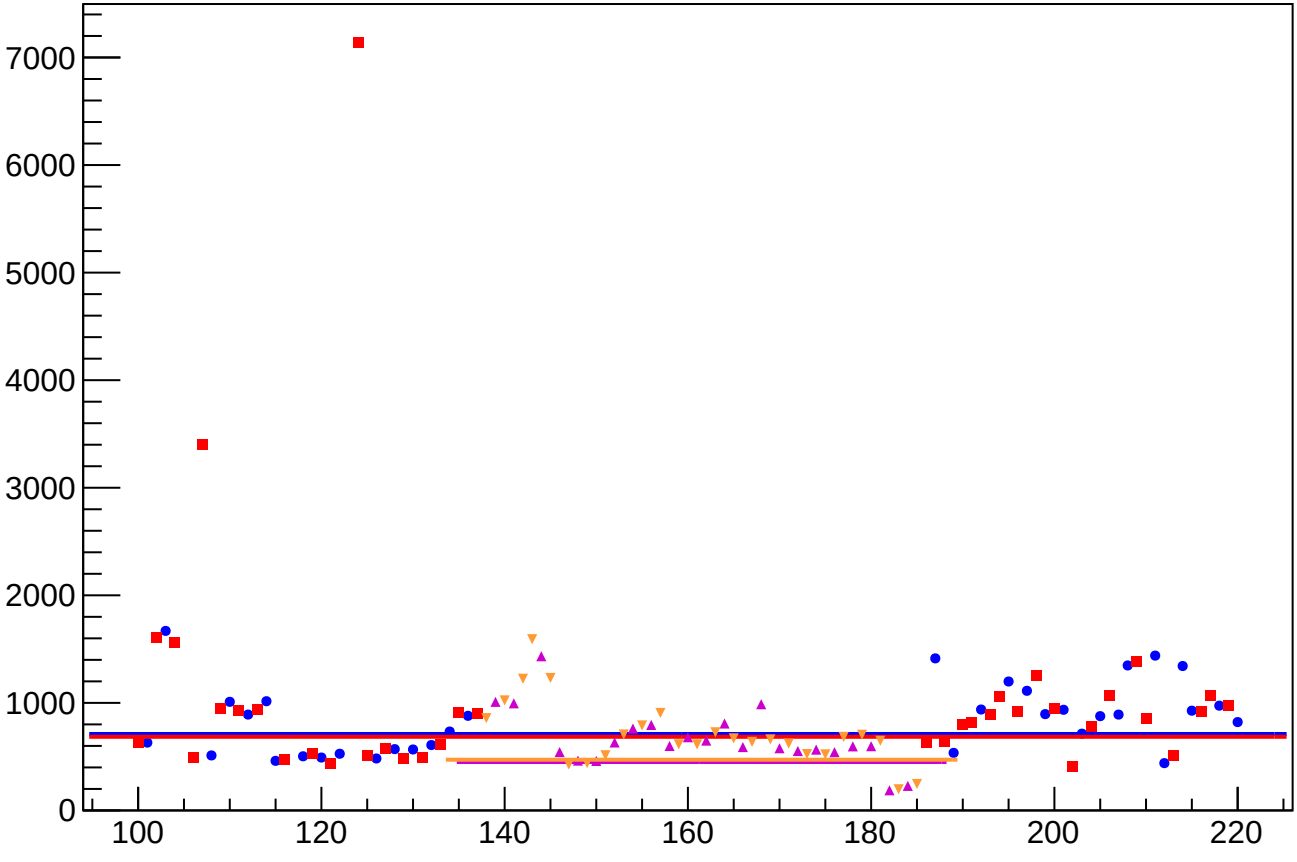
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -171.024+/-98.126 χ^2/NDF: 83.0/57

All: -37.885+/-68.812 χ^2/NDF: 154.5/117

- sign 90.943+/-96.524 χ^2/NDF: 67.9/59

asym_at1_avg_dit_correction_rms vs Slug



Right In: 710.845+/-0.117 χ^2/NDF: 4659352.9/32

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

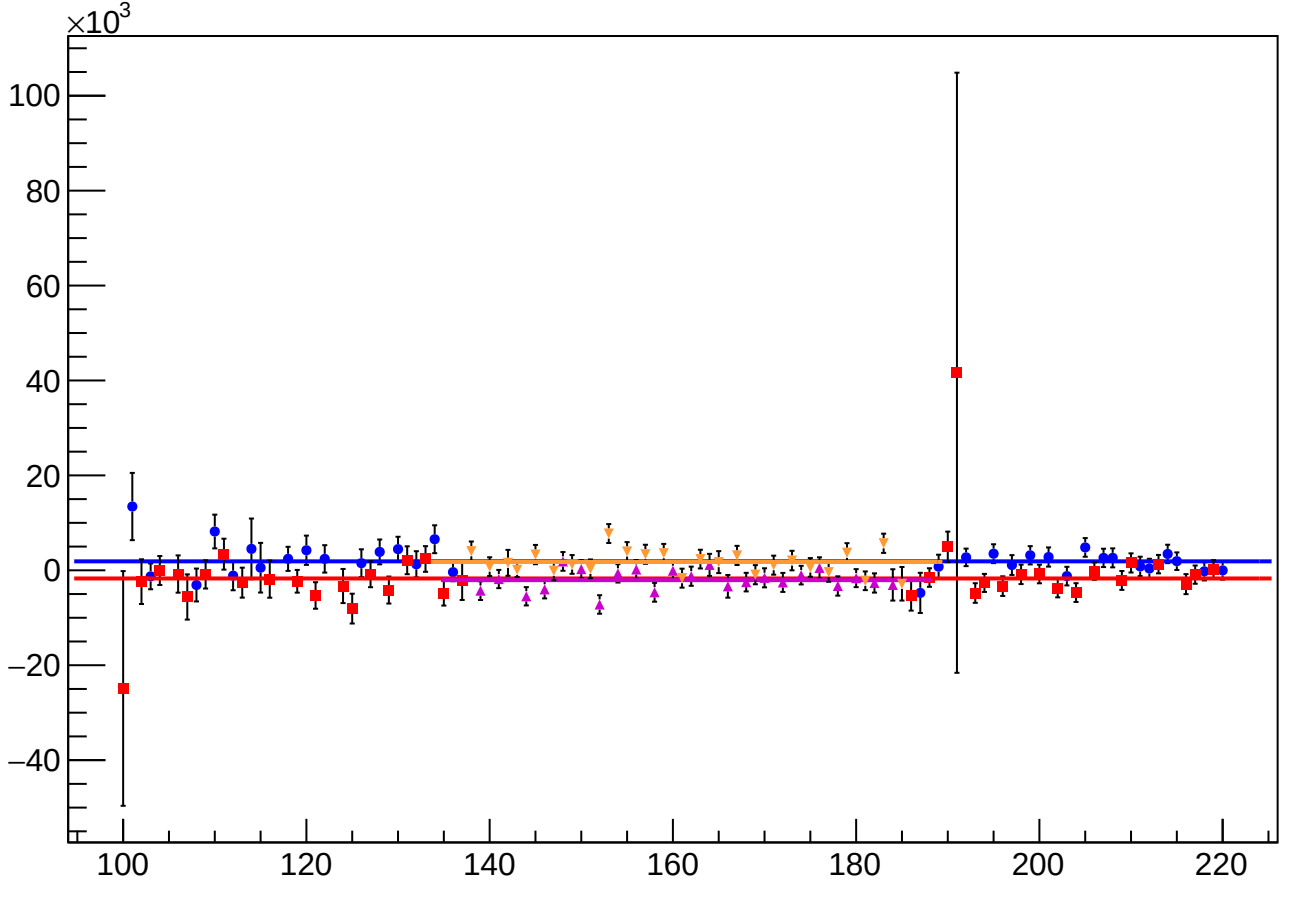
Right Out: 684.877+/-0.115 χ^2/NDF: 5509203.4/36

Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 555.243+/-0.069 χ^2/NDF: 15469694.2/57

All: 543.814+/-0.049 χ^2/NDF: 31641720.1/11

- sign 532.755+/-0.068 χ^2/NDF: 16118640.5/59



Right In: 1887.835+/-411.556 χ^2/NDF: 29.5/32

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -1717.595+/-412.578 χ^2/NDF: 37.0/36

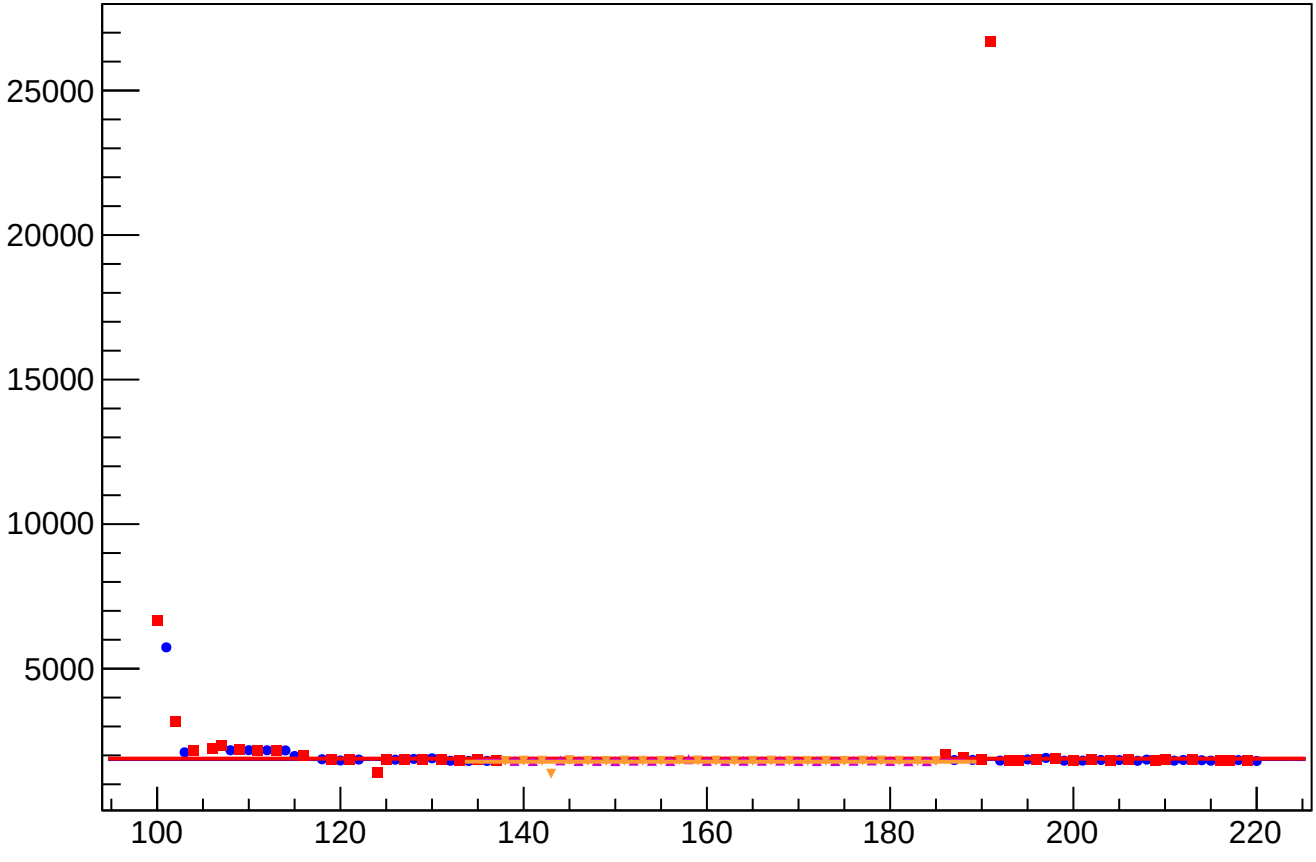
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1820.667+/-288.813 χ^2/NDF: 63.4/57

All: 7.853+/-206.570 χ^2/NDF: 208.4/117

- sign -1890.808+/-295.573 χ^2/NDF: 64.4/59

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1873.710+/-0.291 χ^2/NDF: 686644.8/32

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1887.698+/-0.292 χ^2/NDF: 705750.6/36

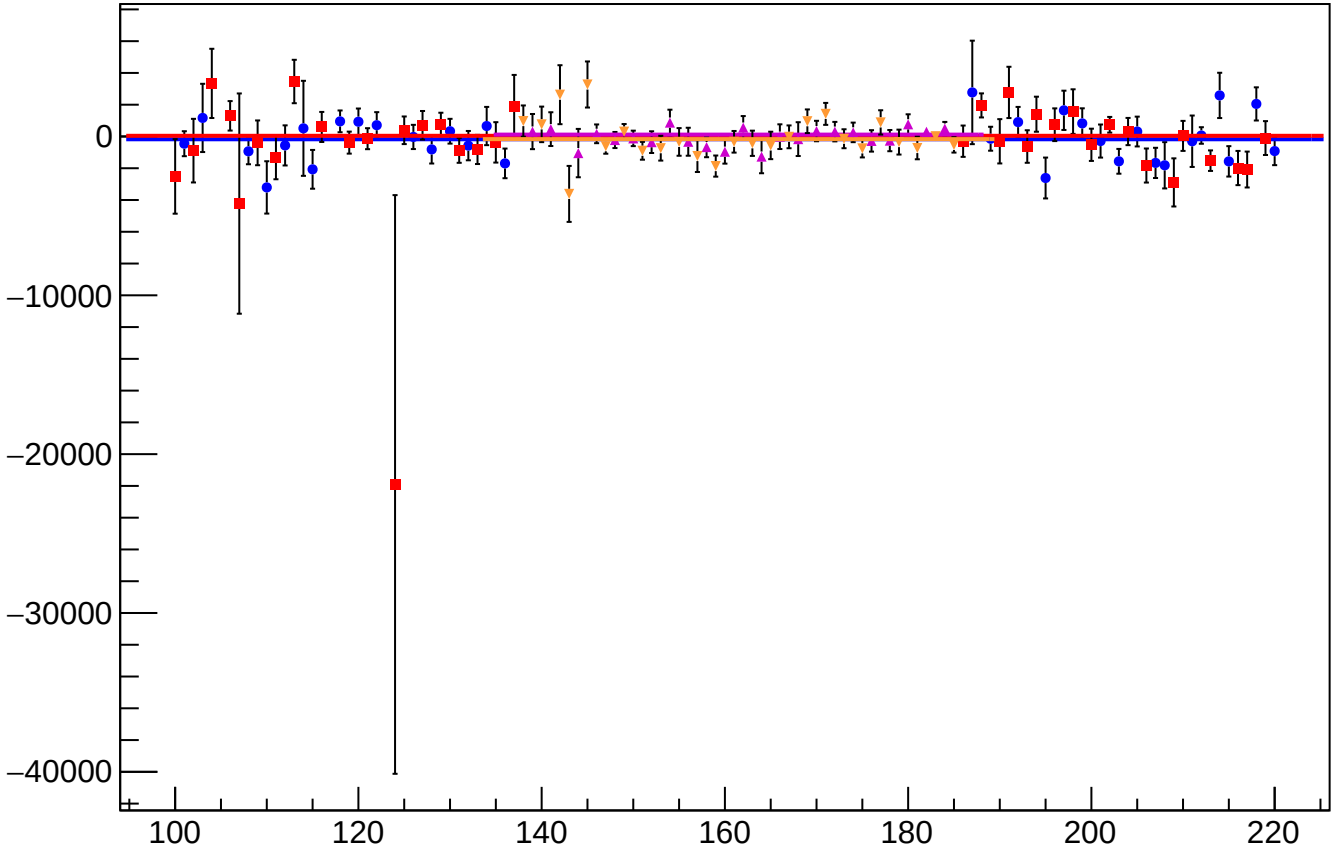
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.612+/-0.204 χ^2/NDF: 903187.9/57

All: 1839.030+/-0.146 χ^2/NDF: 1649301.5/11

- sign 1852.036+/-0.209 χ^2/NDF: 738543.9/59

asym_at1_avg_eigen_dit_correction_mean vs Slug



Right In: -176.833+/-166.069 χ^2/NDF: 44.7/32

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 42.274+/-163.031 χ^2/NDF: 55.5/36

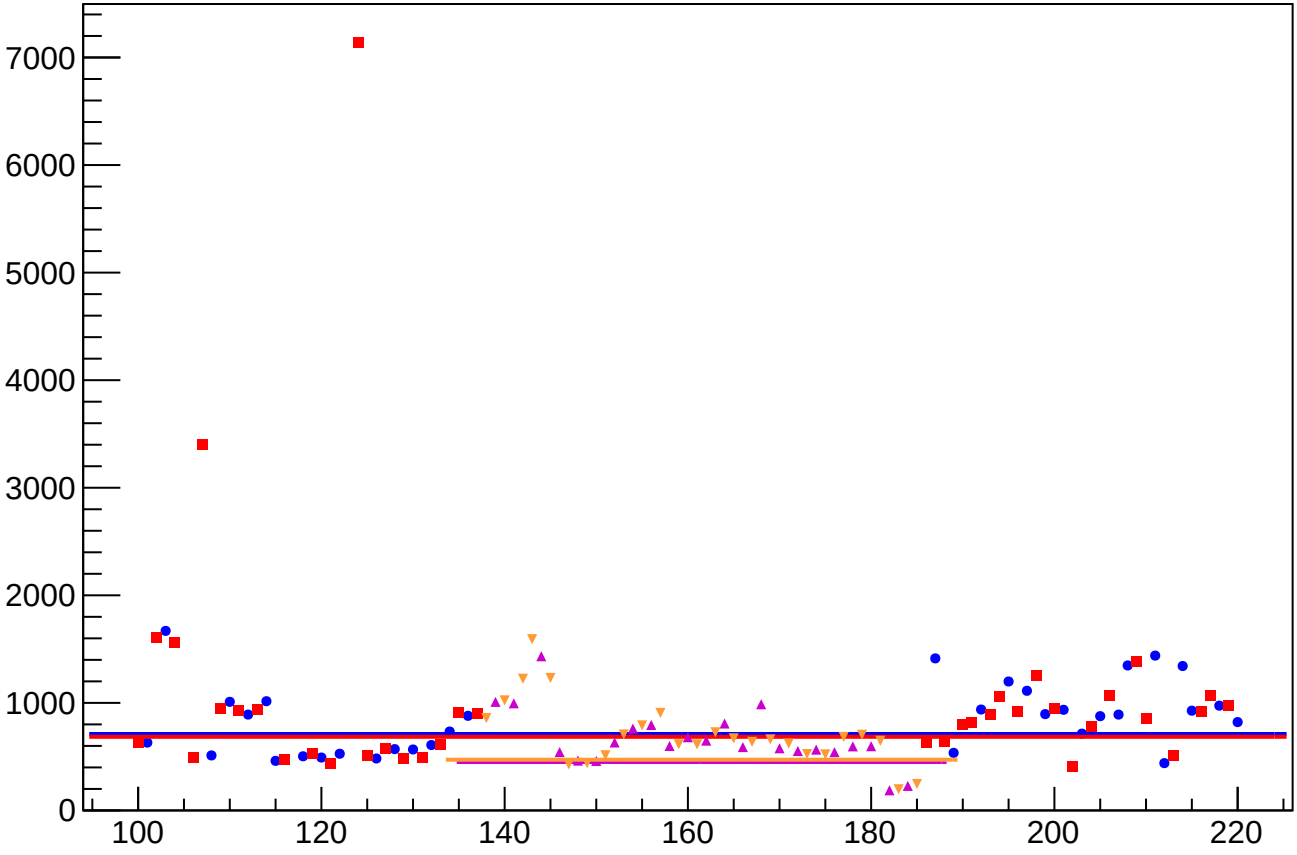
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -171.025+/-98.126 χ^2/NDF: 83.0/57

All: -37.885+/-68.812 χ^2/NDF: 154.5/117

- sign 90.943+/-96.524 χ^2/NDF: 67.9/59

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 710.844+/-0.117 χ^2/NDF: 4659388.7/32

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 684.877+/-0.115 χ^2/NDF: 5509224.4/36

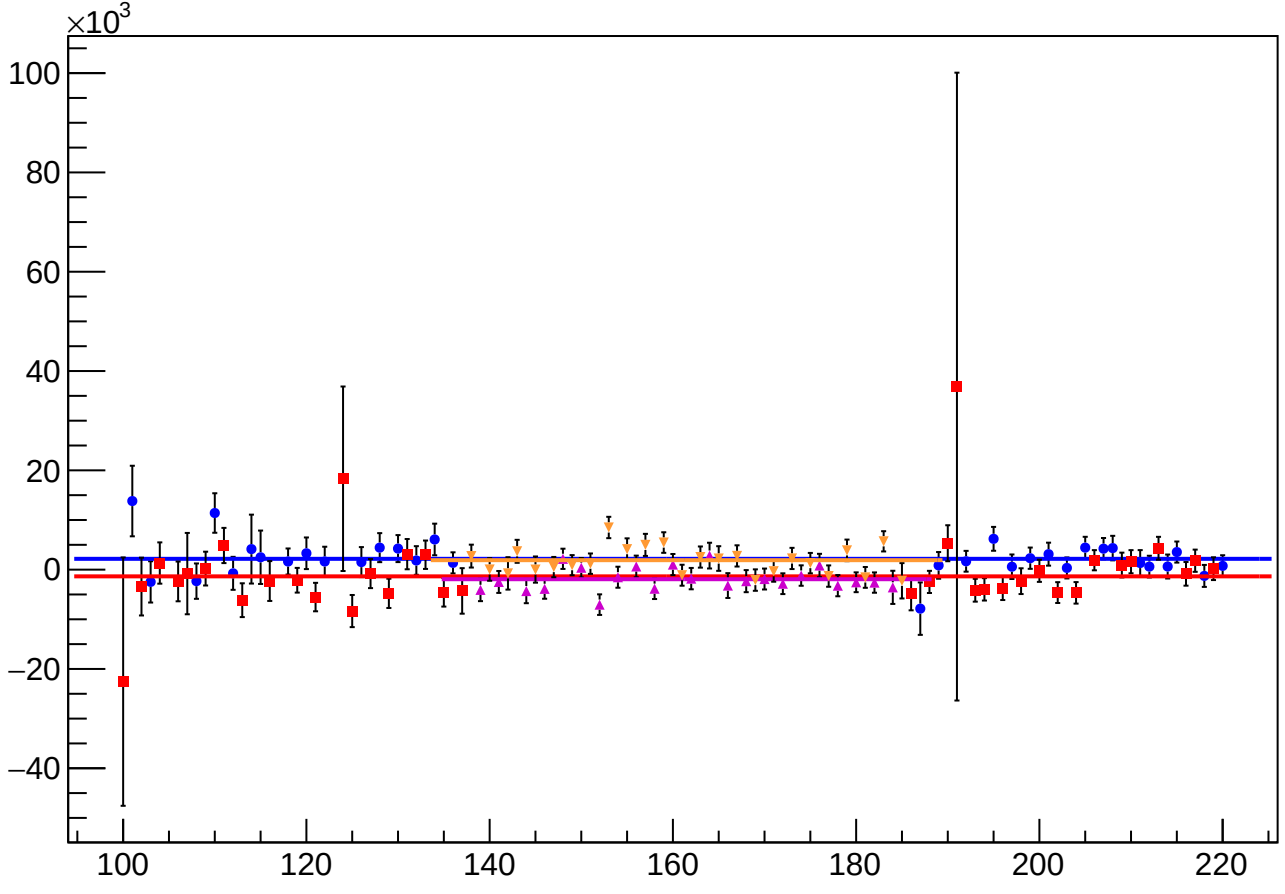
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

+ sign 555.243+/-0.069 χ^2/NDF: 15469703.3/57

All: 543.814+/-0.049 χ^2/NDF: 31641710.4/11

- sign 532.756+/-0.068 χ^2/NDF: 16118623.3/59

asym_at1_avg_mean vs Slug



Right In: 2179.107+/-463.394 χ^2/NDF: 29.9/32

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -1351.978+/-468.610 χ^2/NDF: 49.8/36

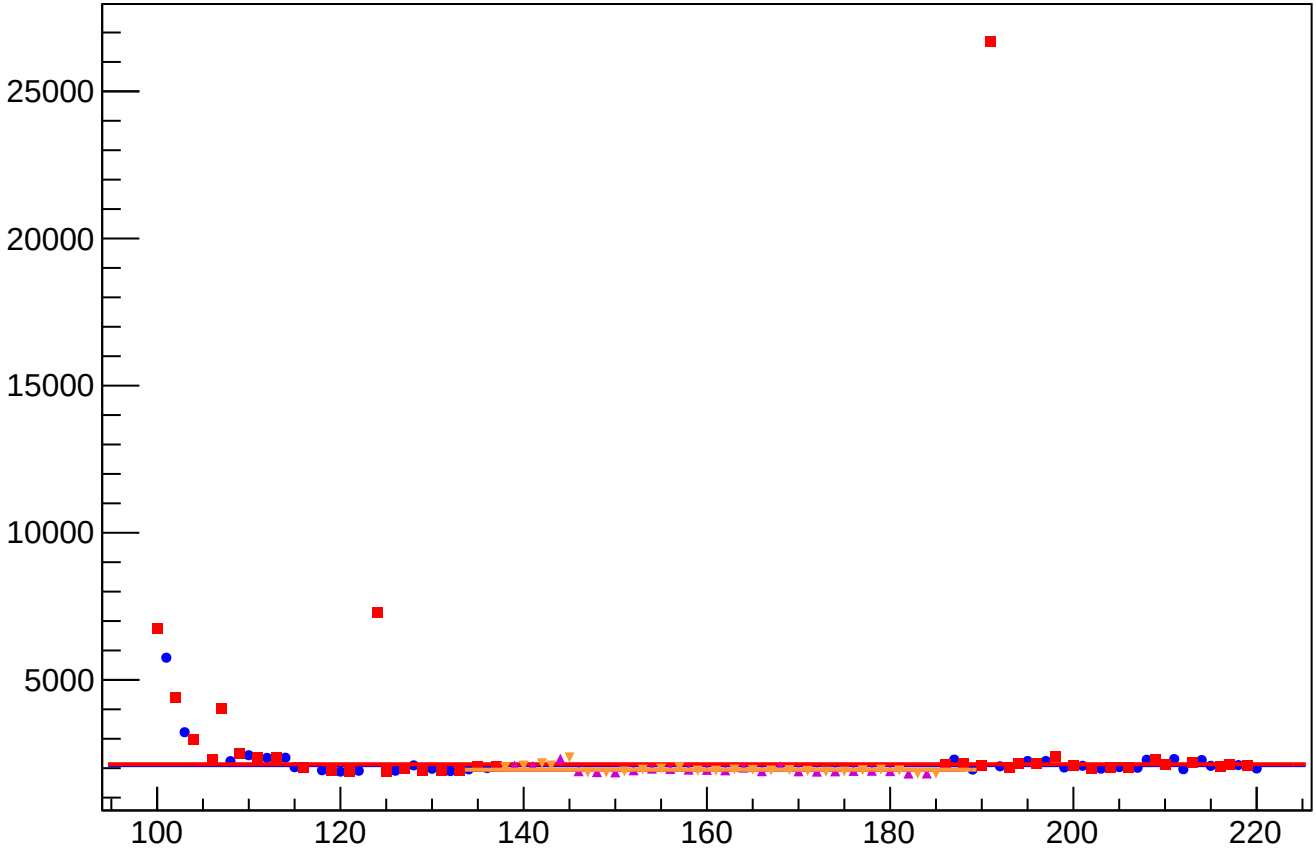
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2037.287+/-320.413 χ^2/NDF: 66.4/57

All: 228.814+/-228.652 χ^2/NDF: 206.6/117

- sign -1647.815+/-326.394 χ^2/NDF: 75.3/59

asym_at1_avg_rms vs Slug



Right In: 2103.551+/-0.328 χ^2/NDF: 846605.8/32

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

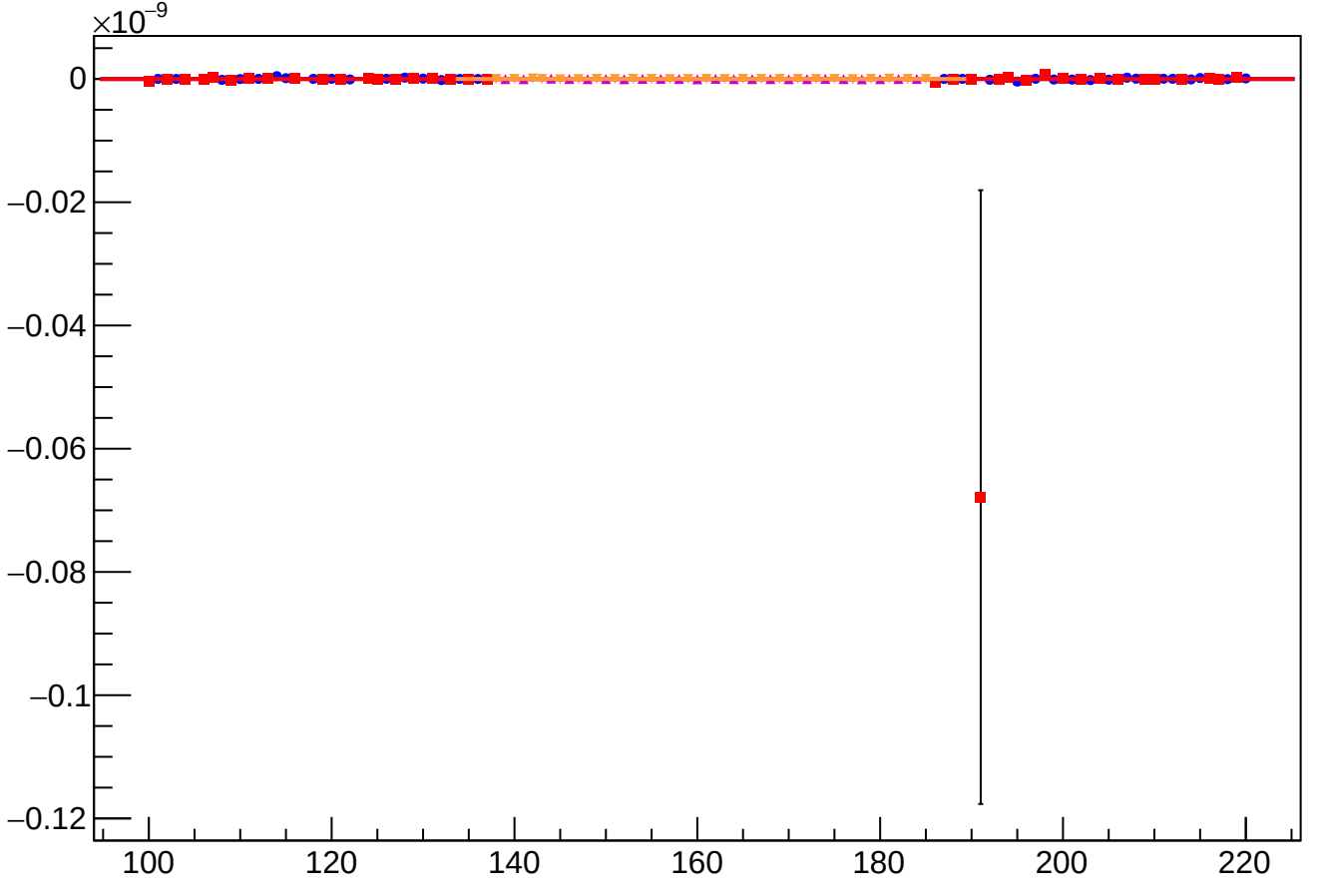
Right Out: 2134.532+/-0.331 χ^2/NDF: 1190139.0/36

Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2022.892+/-0.227 χ^2/NDF: 1071235.7/57

All: 2029.824+/-0.162 χ^2/NDF: 2527449.2/11

- sign 2037.017+/-0.231 χ^2/NDF: 1454306.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 36.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

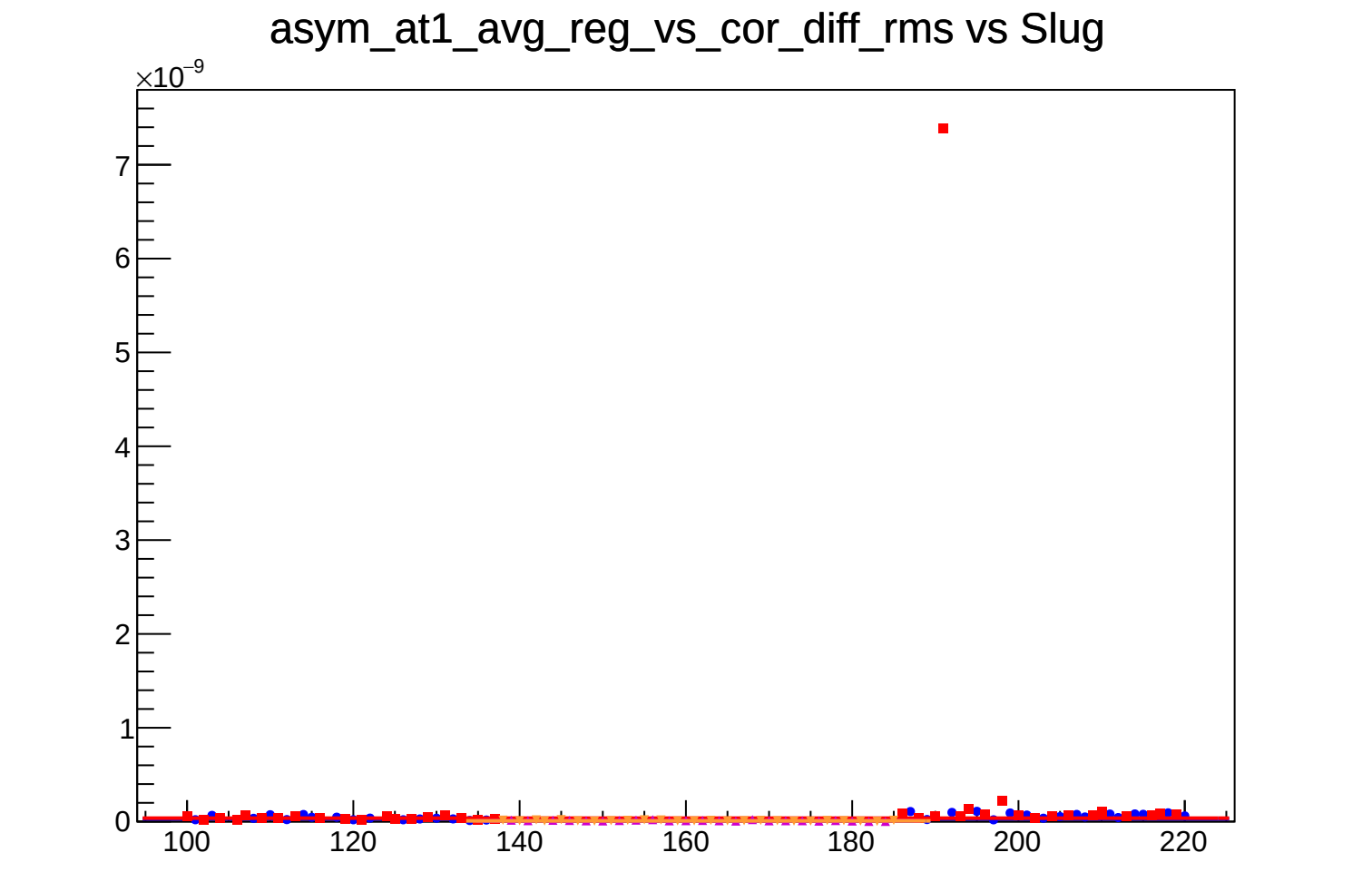
Right Out: -0.000+/-0.000 χ^2/NDF: 33.6/36

Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.5/57

All: 0.000+/-0.000 χ^2/NDF: 131.4/117

- sign 0.000+/-0.000 χ^2/NDF: 65.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 5219123.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4326637.2/36

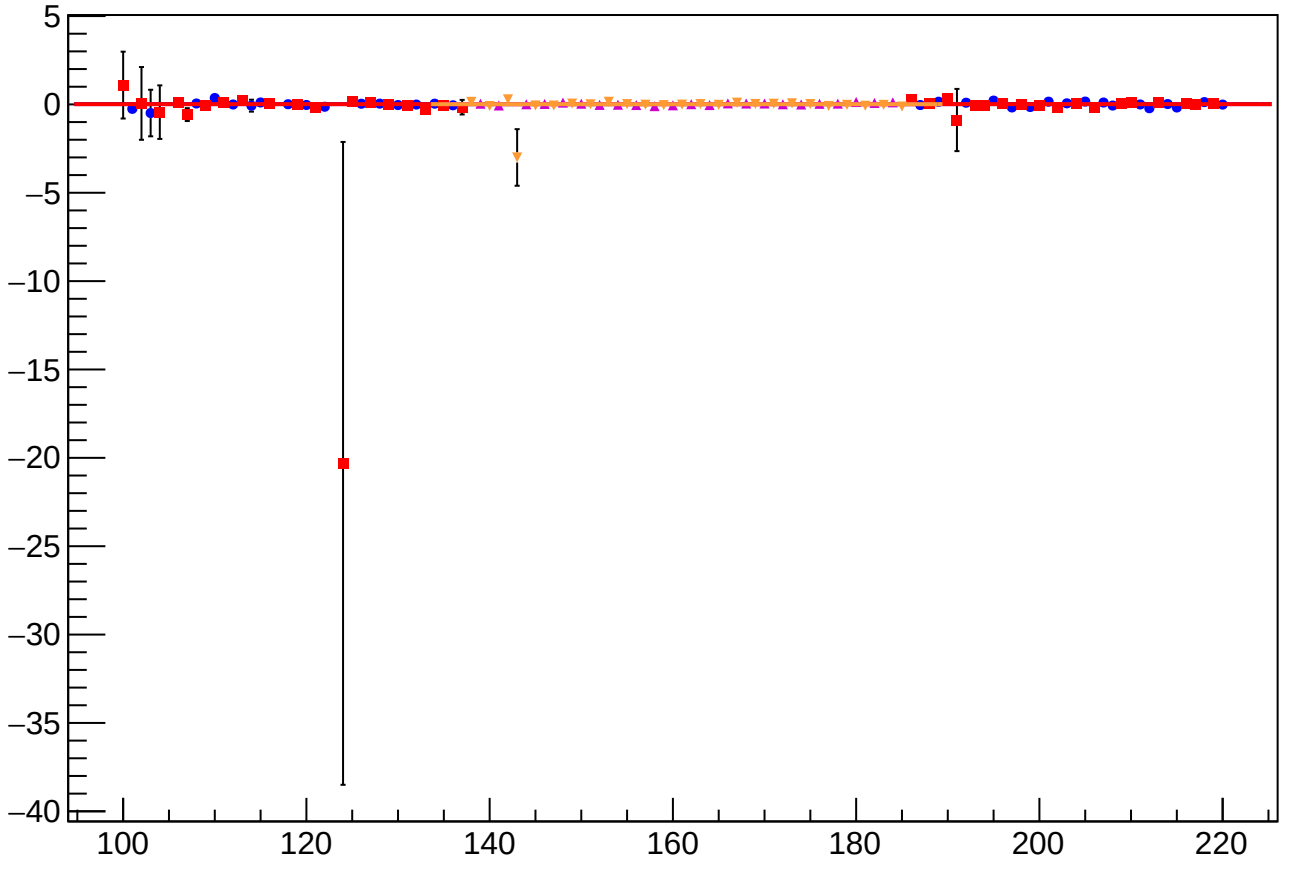
Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12971485.6/57

All: 0.000+/-0.000 χ^2/NDF: 26798142.0/117

- sign 0.000+/-0.000 χ^2/NDF: 13825700.5/59

asym_at1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.017 χ^2/NDF: 34.1/32

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.014+/-0.017 χ^2/NDF: 32.0/36

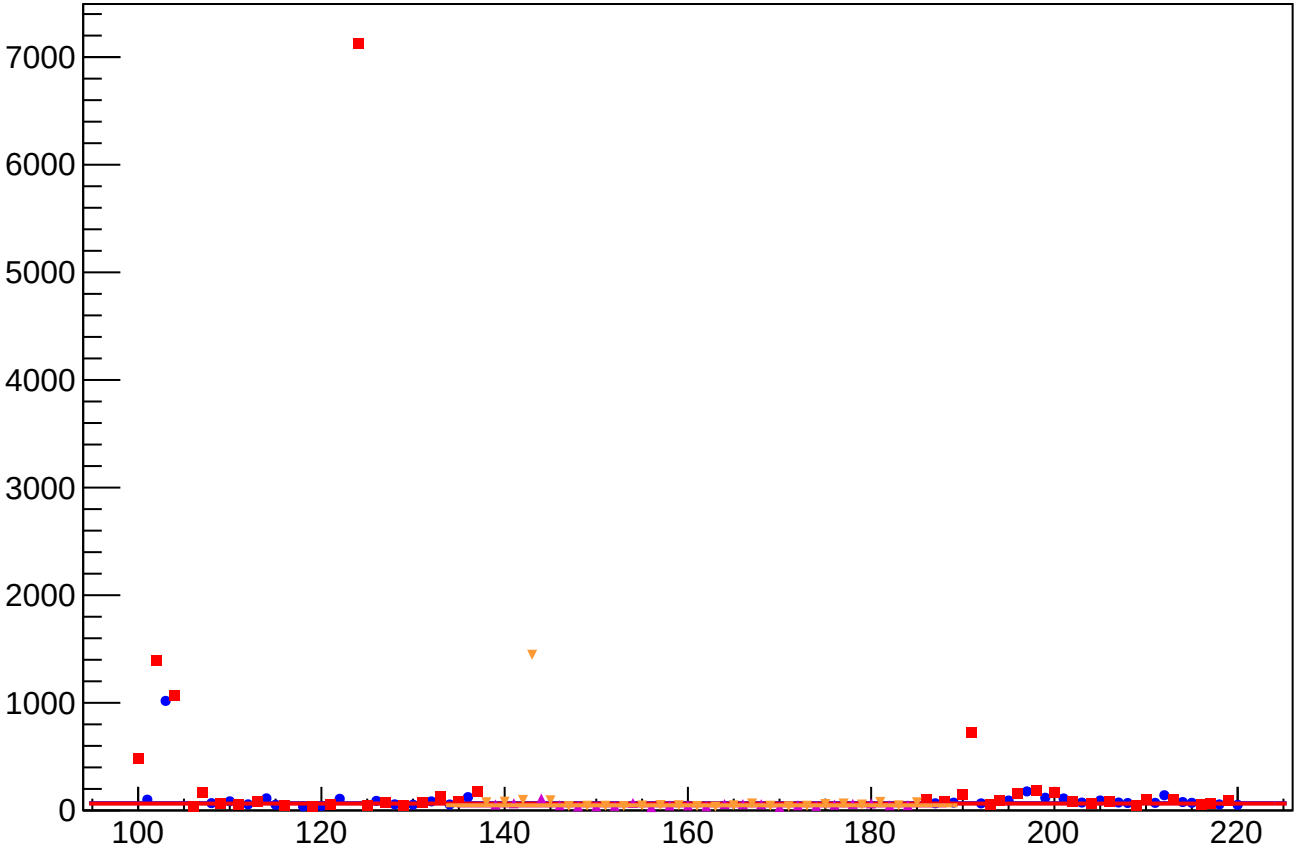
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.010 χ^2/NDF: 63.9/57

All: 0.015+/-0.007 χ^2/NDF: 116.3/117

- sign 0.017+/-0.010 χ^2/NDF: 52.4/59

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 67.633+/-0.012 χ^2/NDF: 4435899.3/32

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

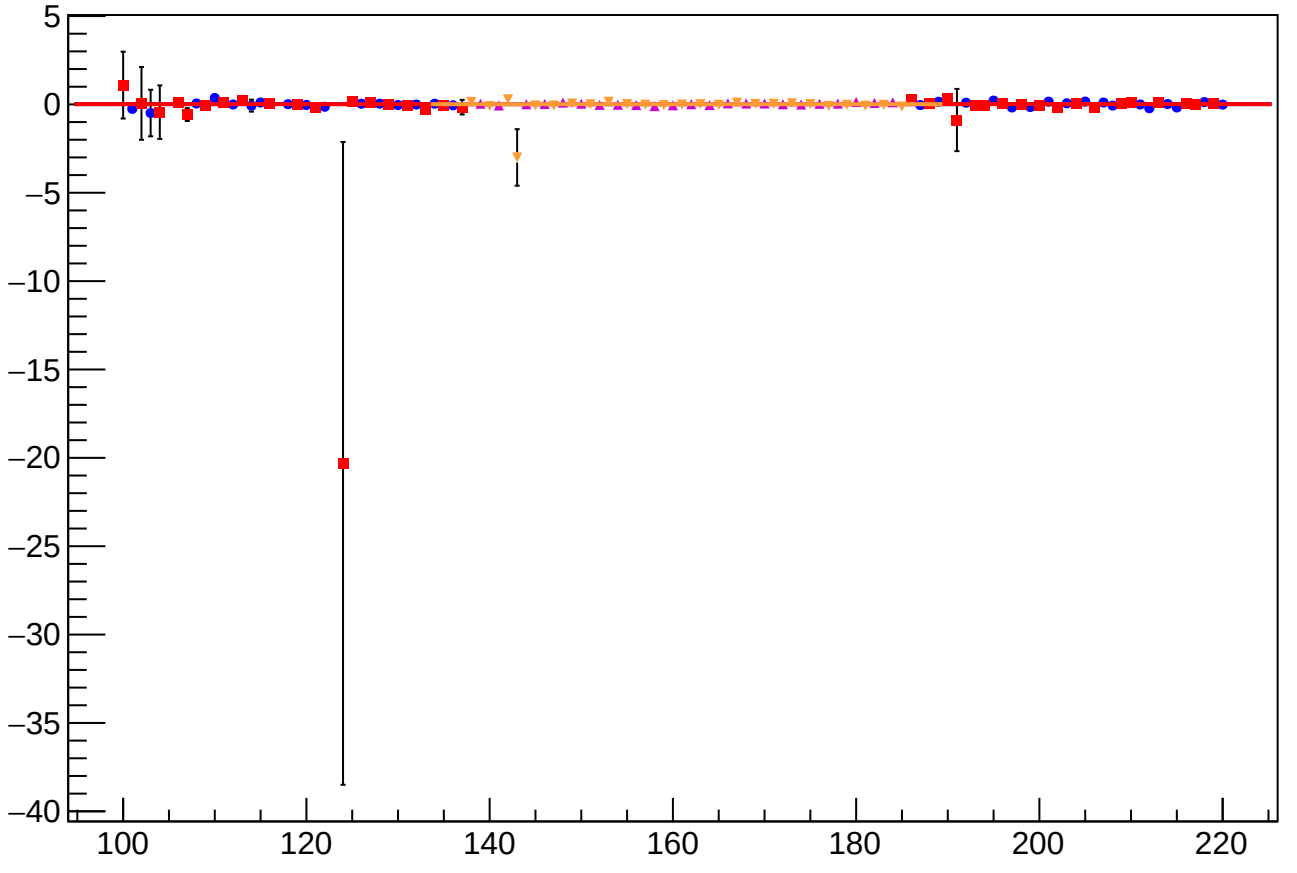
Right Out: 64.008+/-0.012 χ^2/NDF: 6921287.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 54.531+/-0.007 χ^2/NDF: 9622577.6/57

All: 53.503+/-0.005 χ^2/NDF: 19844672.3/117

- sign 52.500+/-0.007 χ^2/NDF: 10181496.0/59



Right In: 0.018+/-0.017 χ^2/NDF: 34.1/32

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.014+/-0.017 χ^2/NDF: 32.0/36

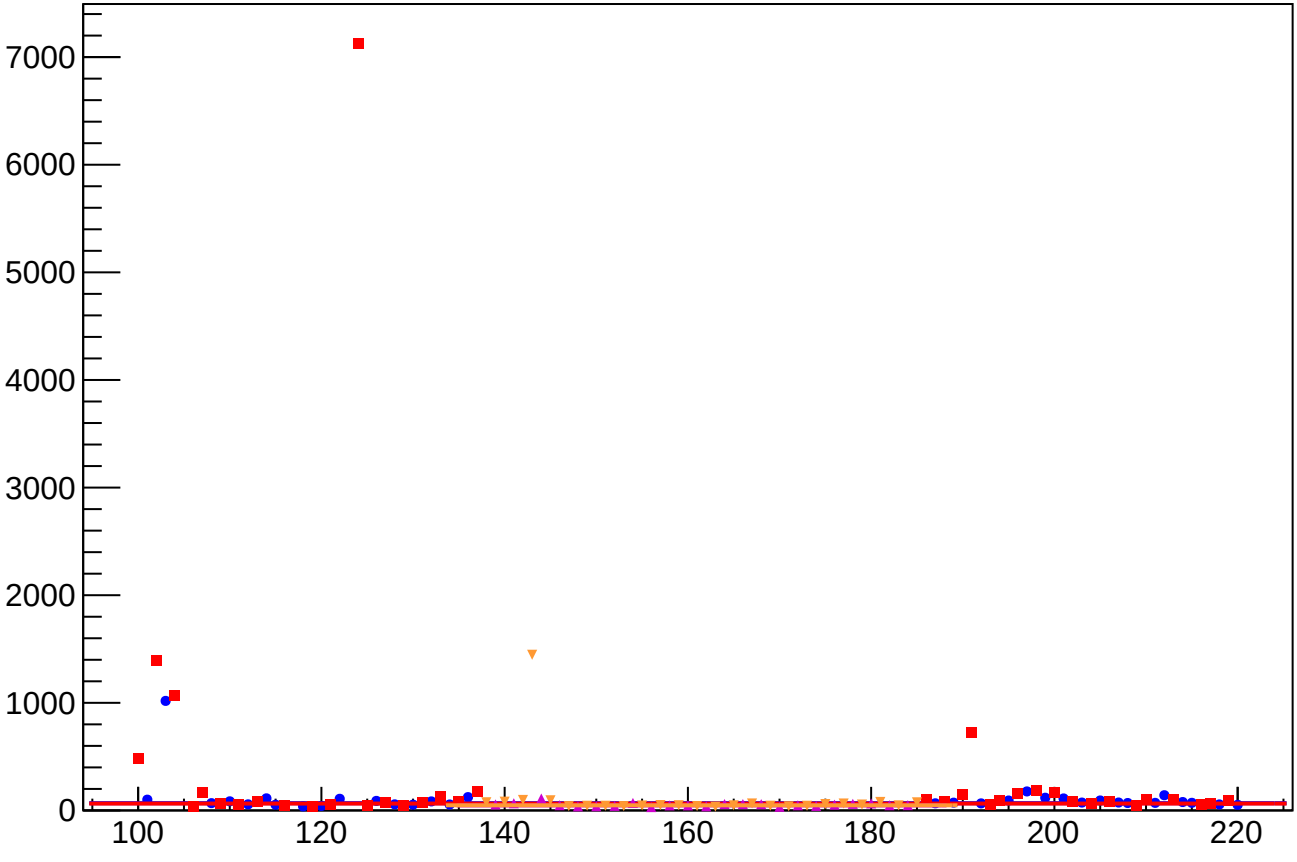
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.010 χ^2/NDF: 63.9/57

All: 0.015+/-0.007 χ^2/NDF: 116.3/117

- sign 0.017+/-0.010 χ^2/NDF: 52.4/59

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.633+/-0.012 χ^2/NDF: 4435899.3/32

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

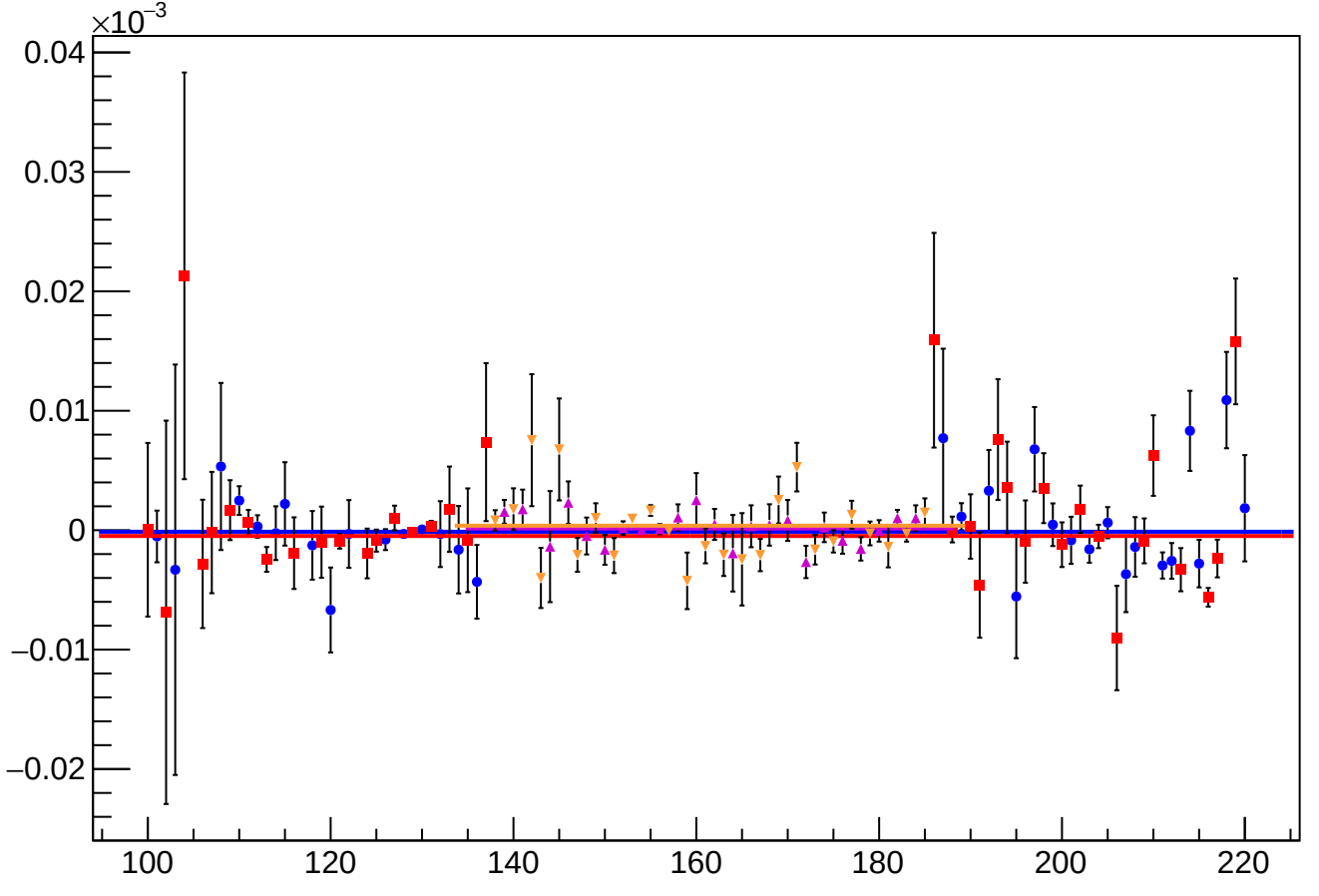
Right Out: 64.008+/-0.012 χ^2/NDF: 6921287.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 54.531+/-0.007 χ^2/NDF: 9622577.6/57

All: 53.503+/-0.005 χ^2/NDF: 19844672.3/117

- sign 52.500+/-0.007 χ^2/NDF: 10181496.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 50.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 93.7/36

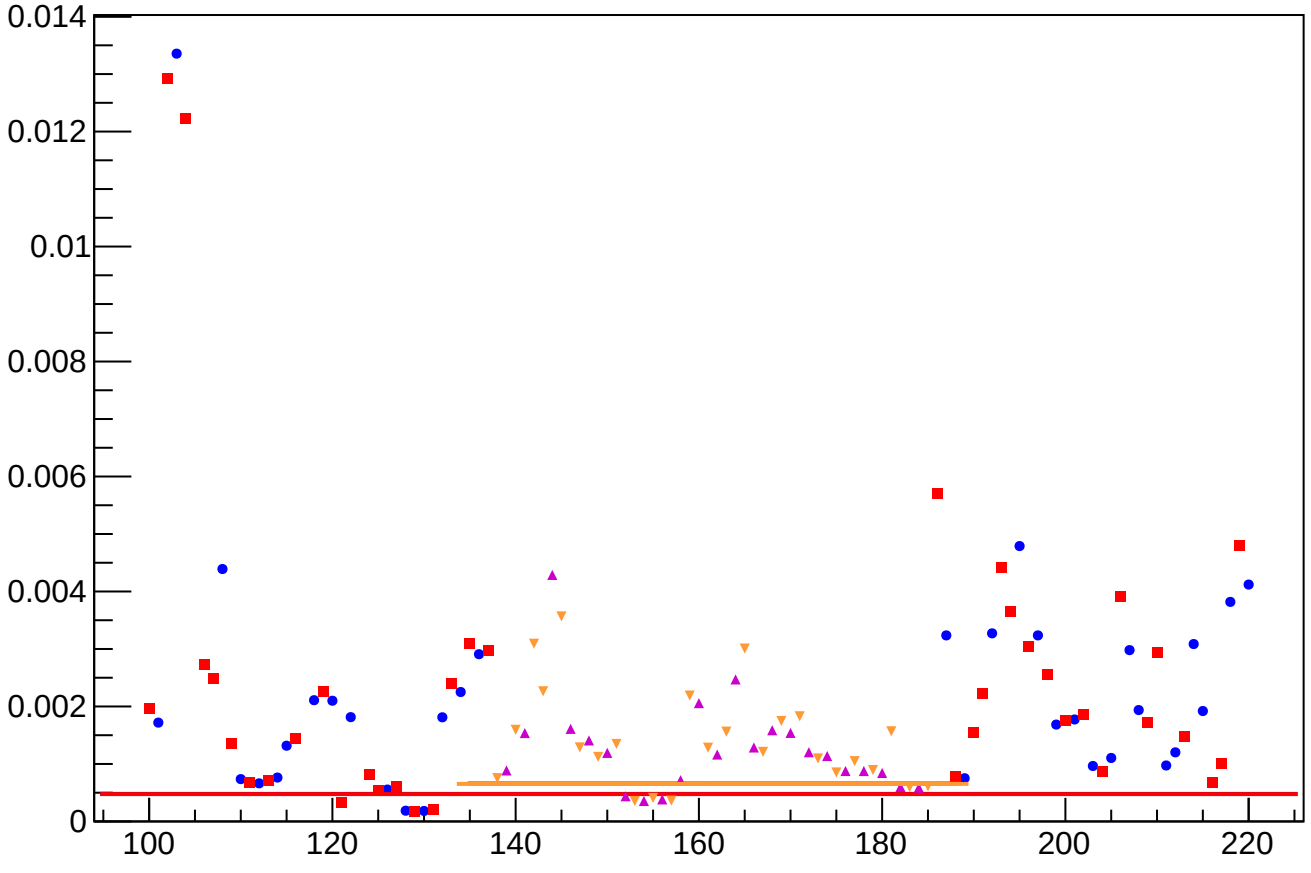
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 105.8/57

All: -0.000+/-0.000 χ^2/NDF: 228.4/117

- sign -0.000+/-0.000 χ^2/NDF: 119.6/59

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 25017682.3/32

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

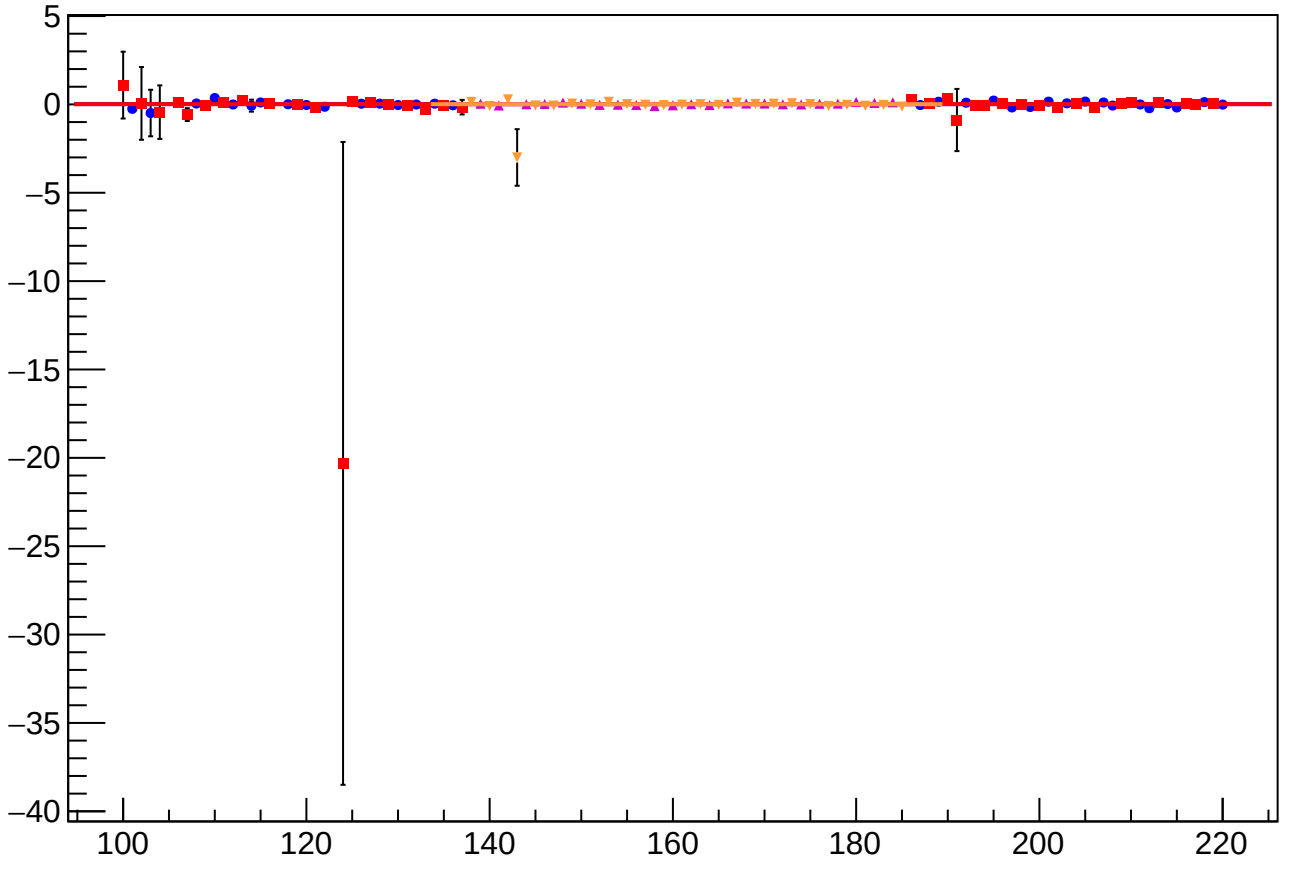
Right Out: 0.000+/-0.000 χ^2/NDF: 23250000.3/36

Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 38043902.8/57

All: 0.001+/-0.000 χ^2/NDF: 72027565.6/117

- sign 0.001+/-0.000 χ^2/NDF: 33983355.8/59



Right In: 0.018+/-0.017 χ^2/NDF: 34.1/32

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.014+/-0.017 χ^2/NDF: 32.0/36

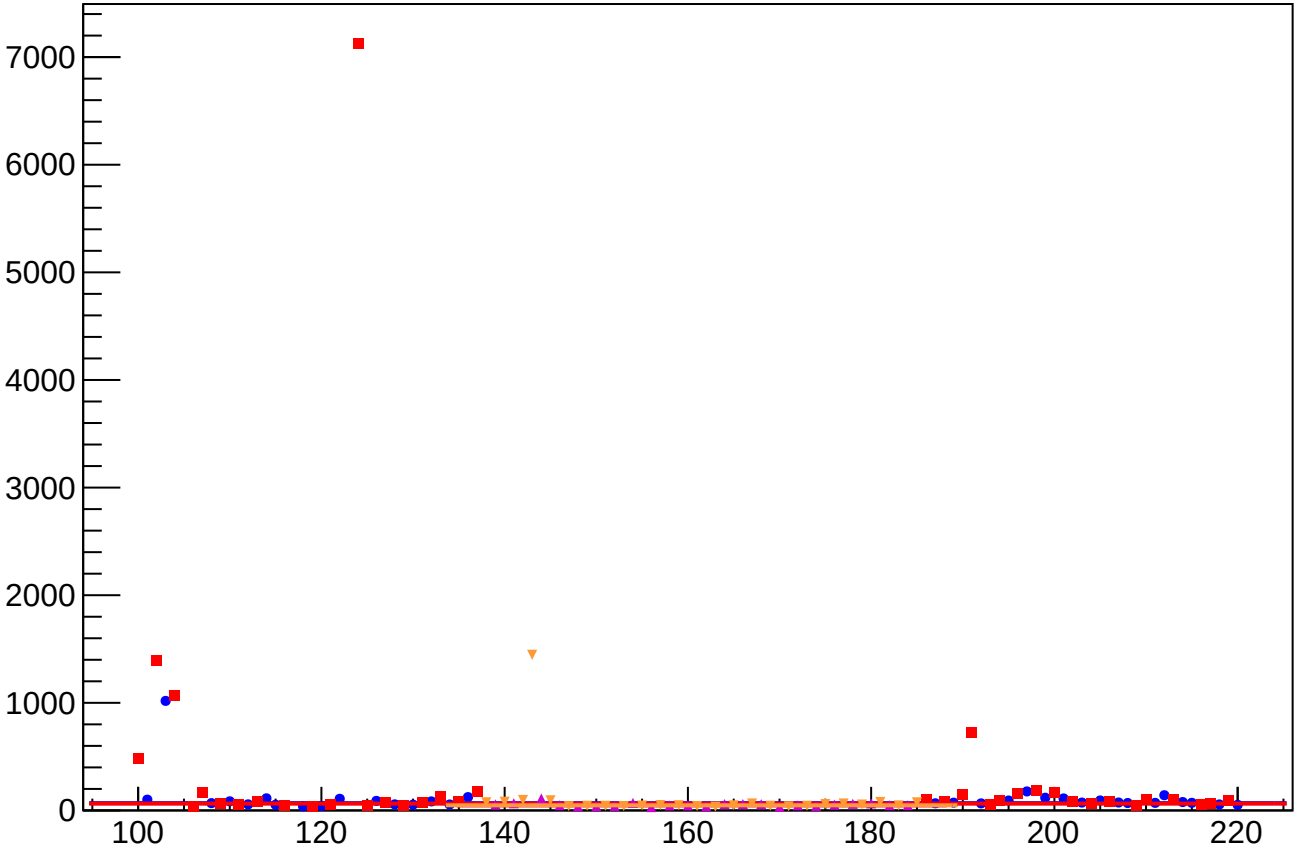
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.010 χ^2/NDF: 63.9/57

All: 0.015+/-0.007 χ^2/NDF: 116.3/117

- sign 0.017+/-0.010 χ^2/NDF: 52.4/59

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.633+/-0.012 χ^2/NDF: 4435993.6/32

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

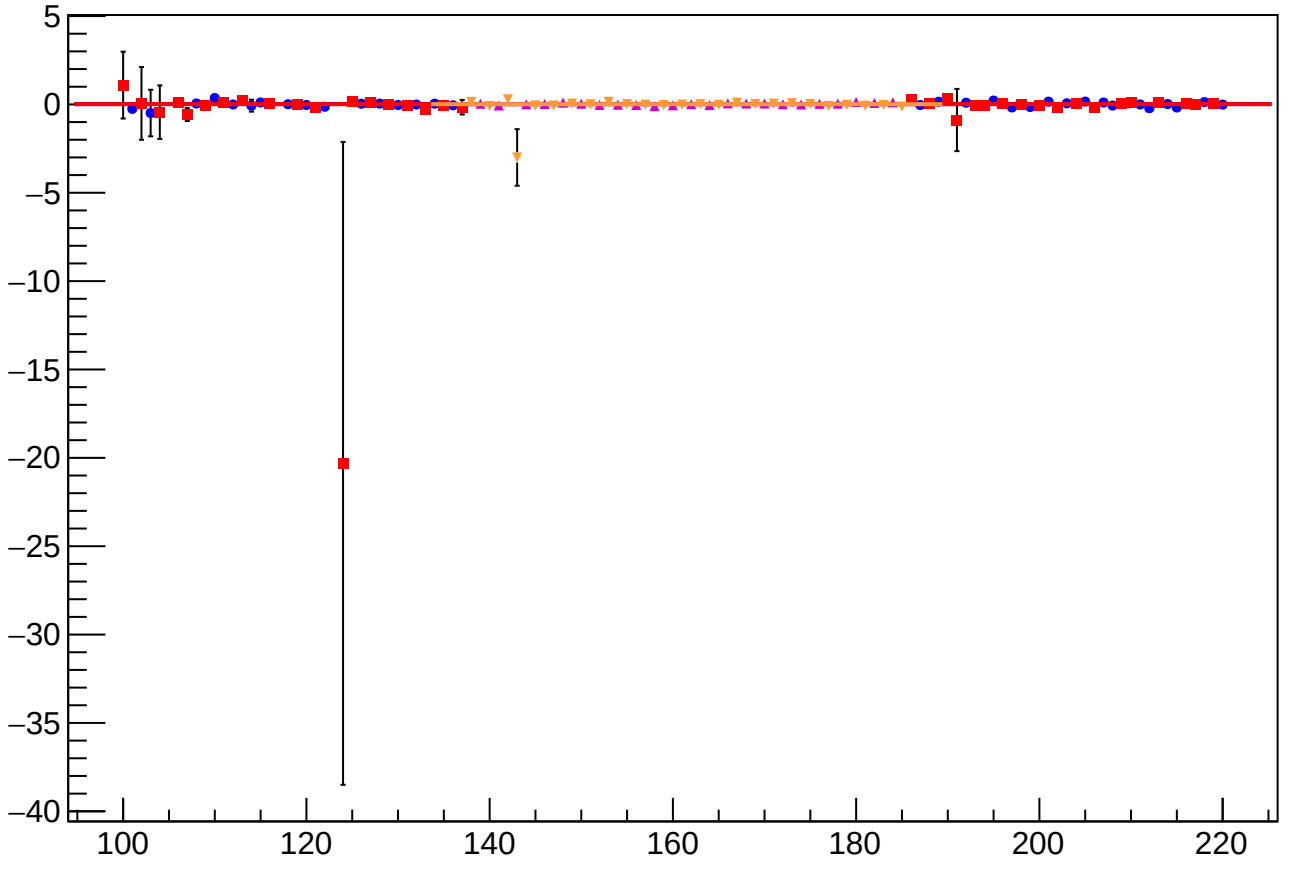
Right Out: 64.007+/-0.012 χ^2/NDF: 6921482.3/36

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 54.531+/-0.007 χ^2/NDF: 9622603.8/57

All: 53.503+/-0.005 χ^2/NDF: 19844800.7/117

- sign 52.500+/-0.007 χ^2/NDF: 10181583.3/59



Right In: 0.018+/-0.017 χ^2/NDF: 34.1/32

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.014+/-0.017 χ^2/NDF: 32.0/36

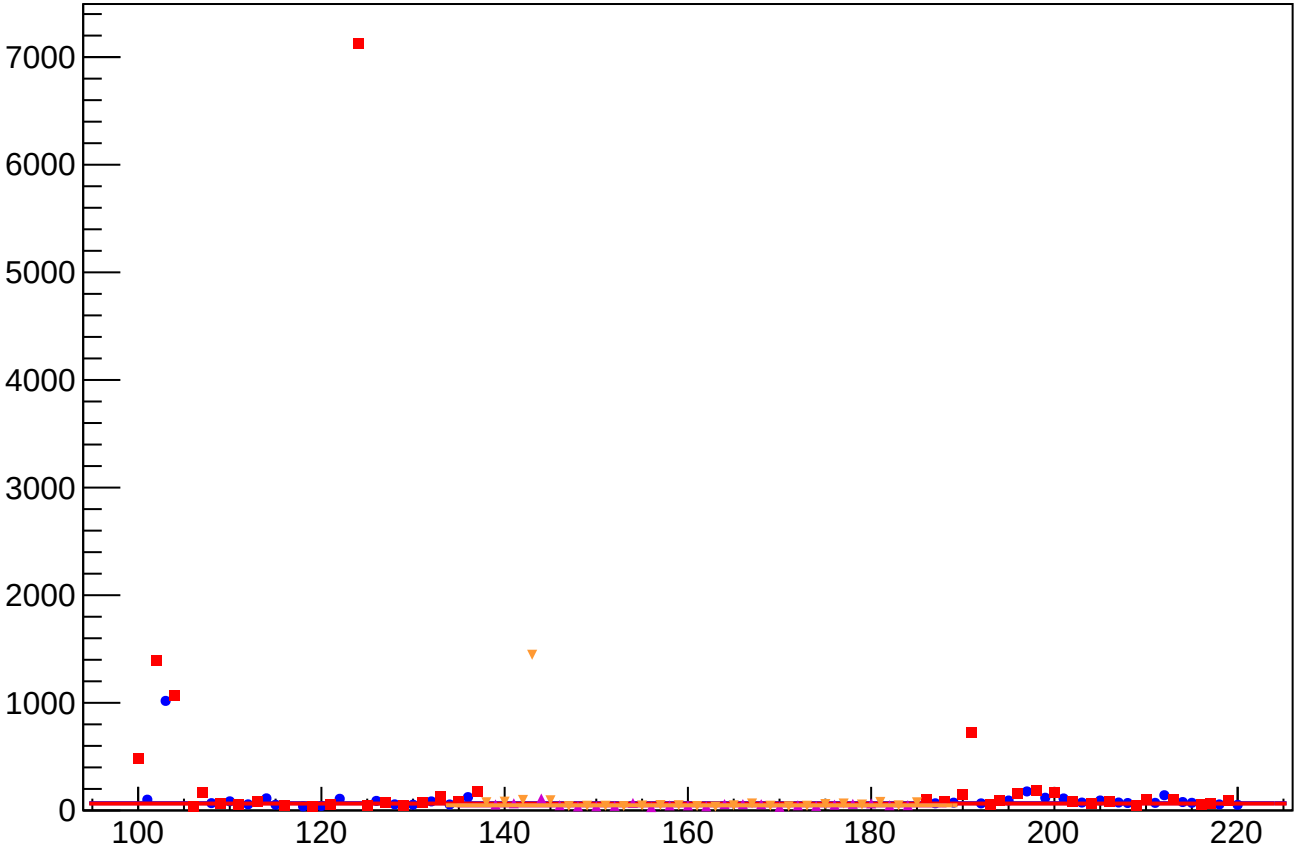
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.014+/-0.010 χ^2/NDF: 63.9/57

All: 0.015+/-0.007 χ^2/NDF: 116.3/117

- sign 0.017+/-0.010 χ^2/NDF: 52.4/59

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.633+/-0.012 χ^2/NDF: 4435993.6/32

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

Right Out: 64.007+/-0.012 χ^2/NDF: 6921482.3/36

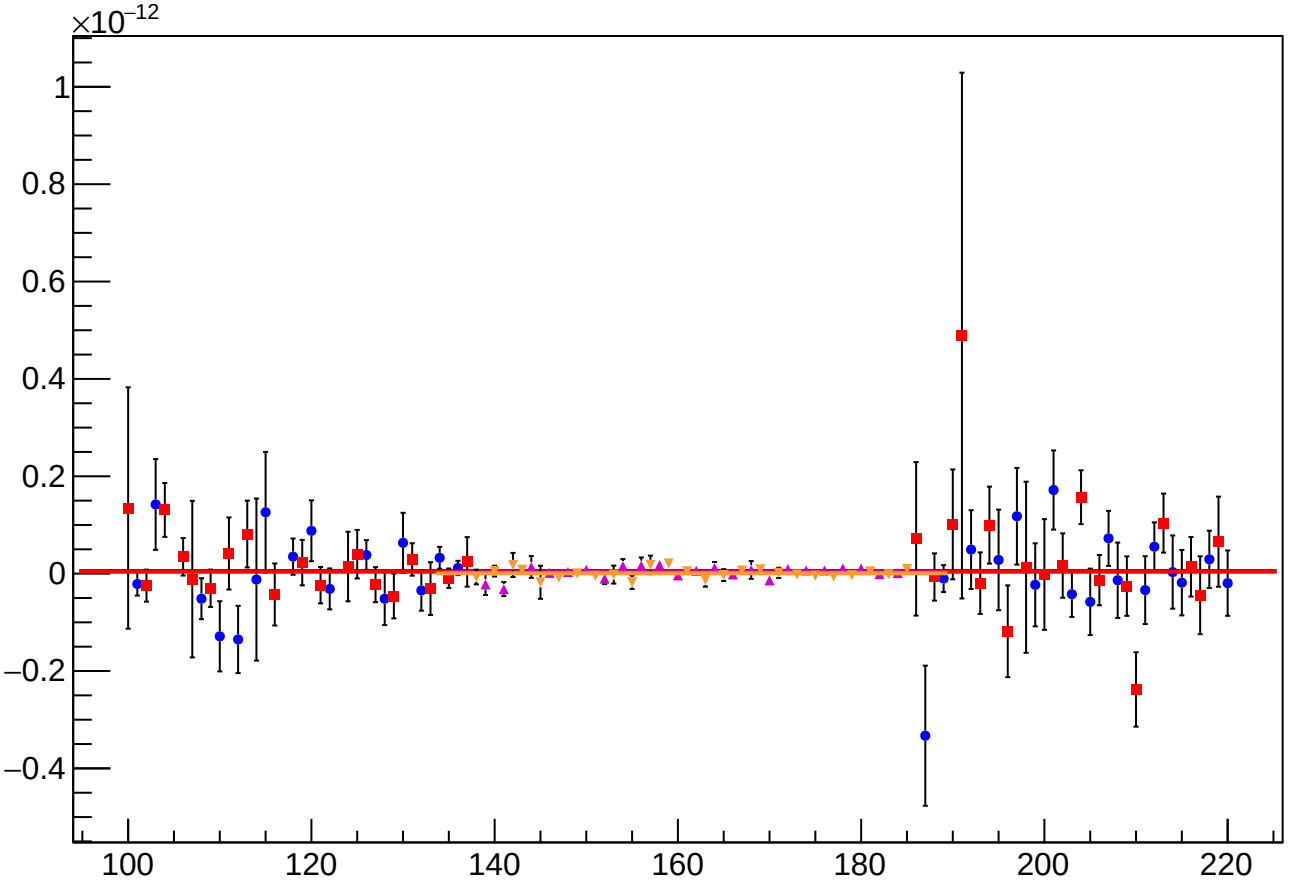
Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 54.531+/-0.007 χ^2/NDF: 9622603.8/57

All: 53.503+/-0.005 χ^2/NDF: 19844800.7/117

- sign 52.500+/-0.007 χ^2/NDF: 10181583.3/59

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 39.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

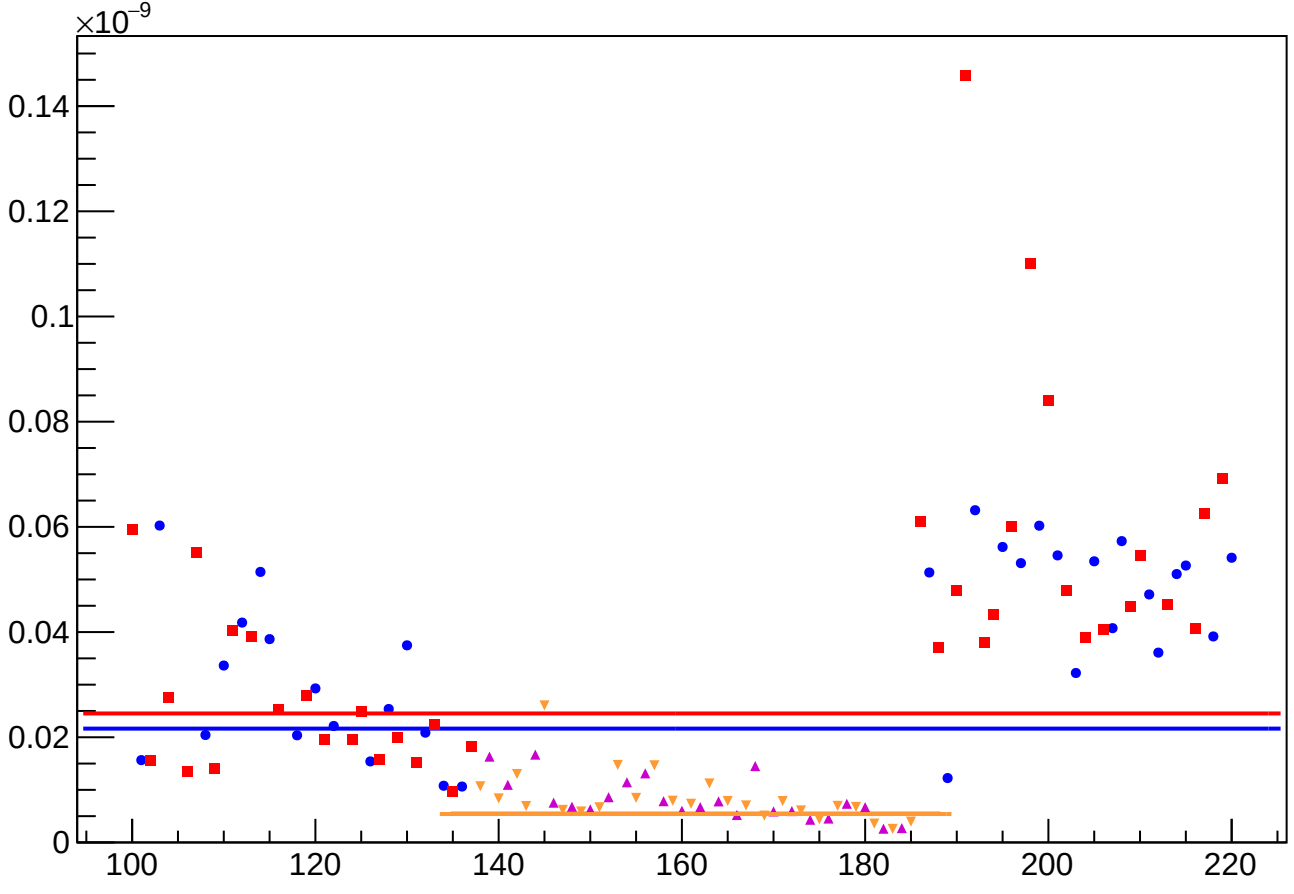
Right Out: 0.000+/-0.000 χ^2/NDF: 41.1/36

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.0/57

All: 0.000+/-0.000 χ^2/NDF: 118.4/117

- sign 0.000+/-0.000 χ^2/NDF: 62.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 7663459.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6587109.4/36

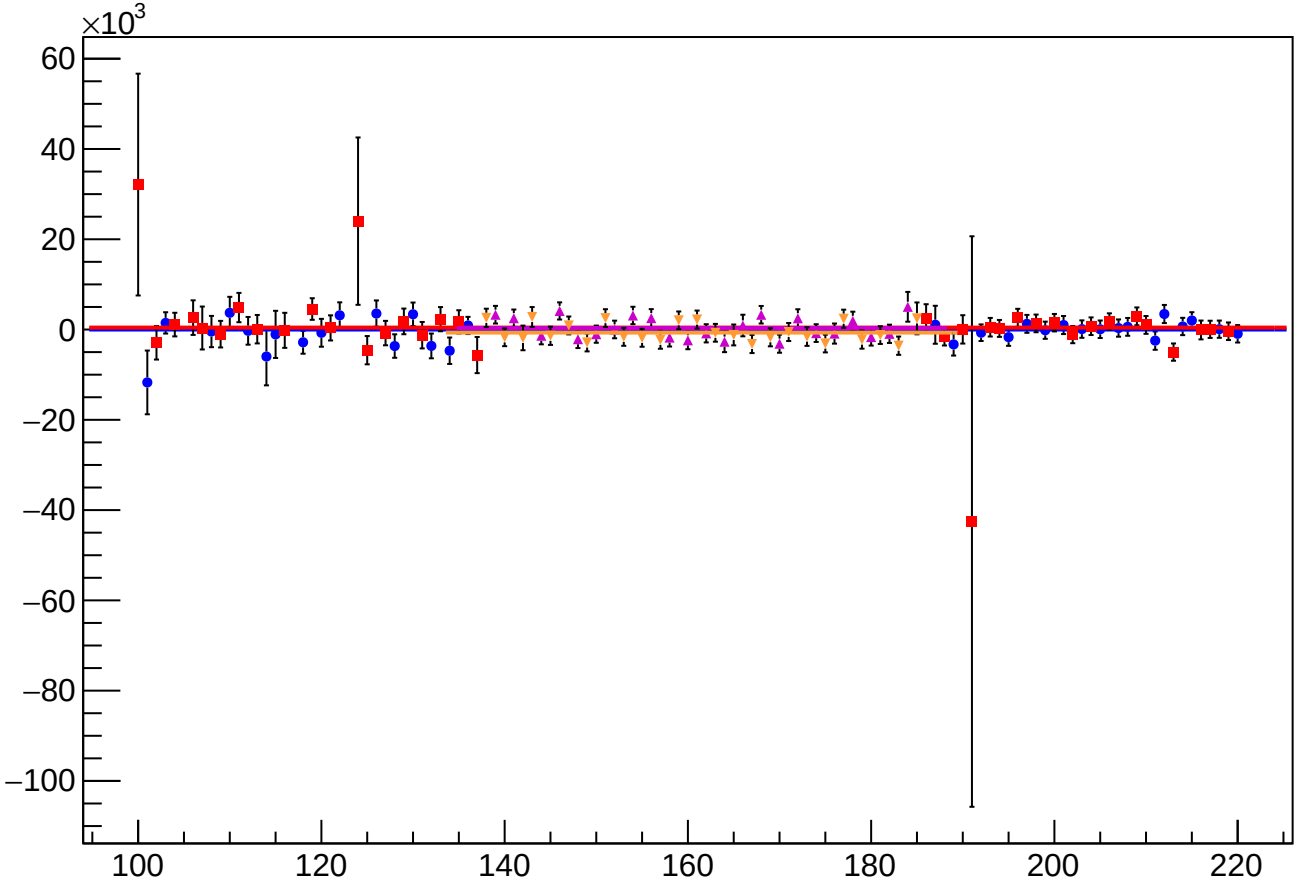
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 21836286.9/57

All: 0.000+/-0.000 χ^2/NDF: 42962305.8/117

- sign 0.000+/-0.000 χ^2/NDF: 21125506.3/59

reg_asym_at1_dd_mean vs Slug



Right In: 2.999+/-405.494 χ^2/NDF: 26.8/32

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 431.447+/-407.380 χ^2/NDF: 31.0/36

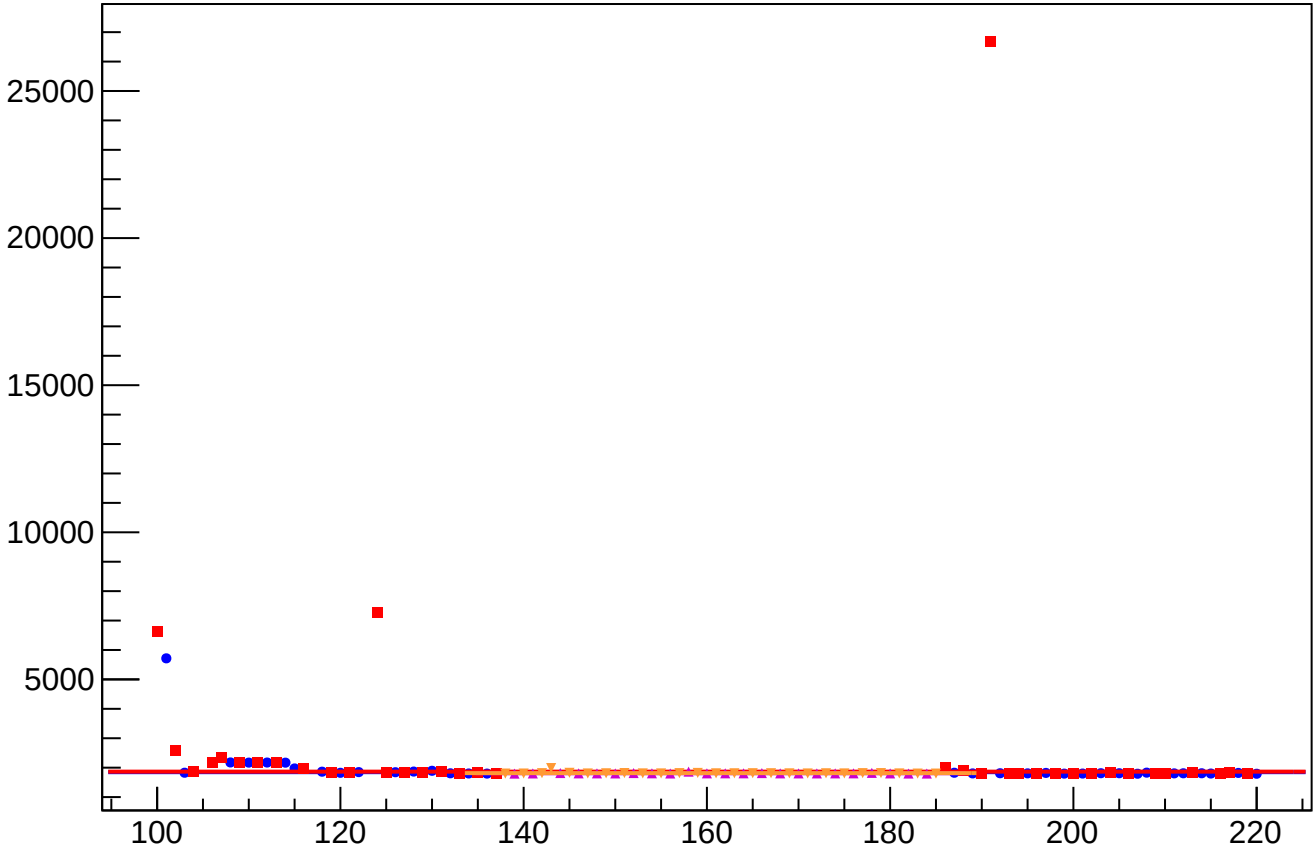
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -327.998+/-289.071 χ^2/NDF: 52.9/57

All: 25.173+/-205.894 χ^2/NDF: 117.1/117

- sign 388.830+/-293.332 χ^2/NDF: 61.1/59

reg_asym_at1_dd_rms vs Slug



Right In: 1846.471+/-0.287 χ^2/NDF: 681767.0/32

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1864.918+/-0.288 χ^2/NDF: 761350.5/36

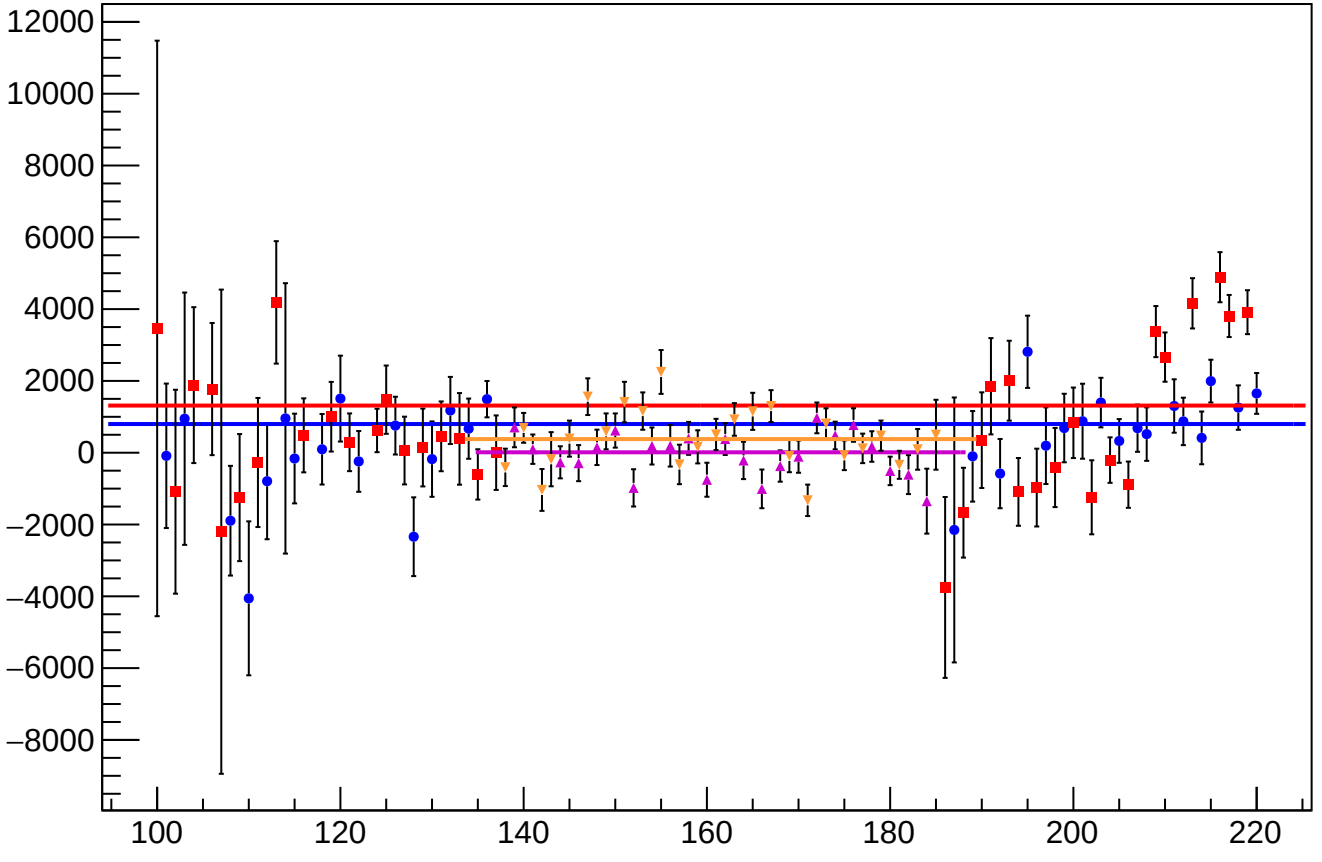
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1830.716+/-0.204 χ^2/NDF: 701008.6/57

All: 1834.646+/-0.146 χ^2/NDF: 1482288.5/11

- sign 1838.693+/-0.207 χ^2/NDF: 780529.5/59

asym_at1_dd_reg_correction_mean vs Slug



Right In: 798.733+/-150.765 χ^2/NDF: 40.1/32

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 1313.543+/-154.657 χ^2/NDF: 163.1/36

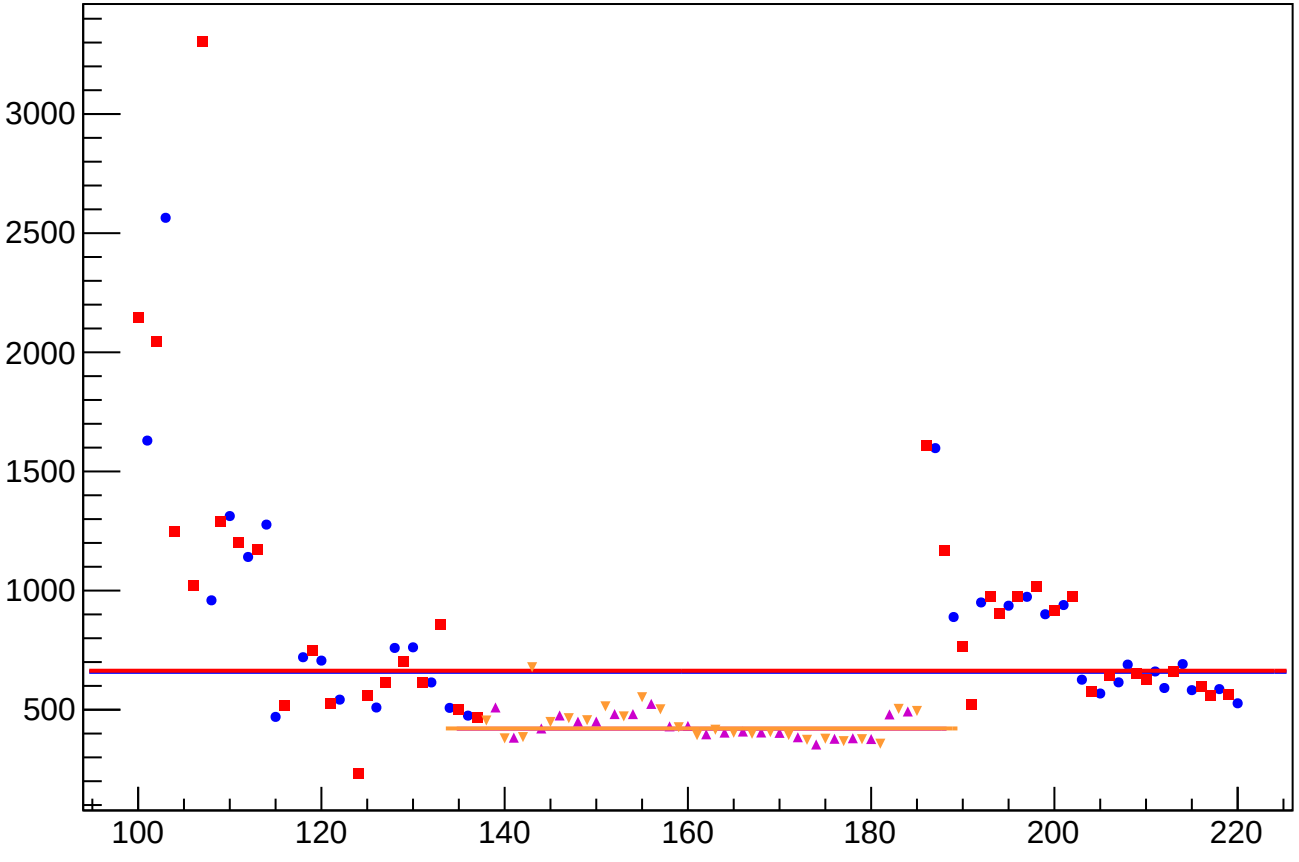
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 502.154+/-81.582 χ^2/NDF: 107.9/57

All: 447.213+/-58.308 χ^2/NDF: 353.4/117

- sign 389.843+/-83.366 χ^2/NDF: 244.5/59

asym_at1_dd_reg_correction_rms vs Slug



Right In: 658.948+/-0.107 χ^2/NDF: 3313630.4/32

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

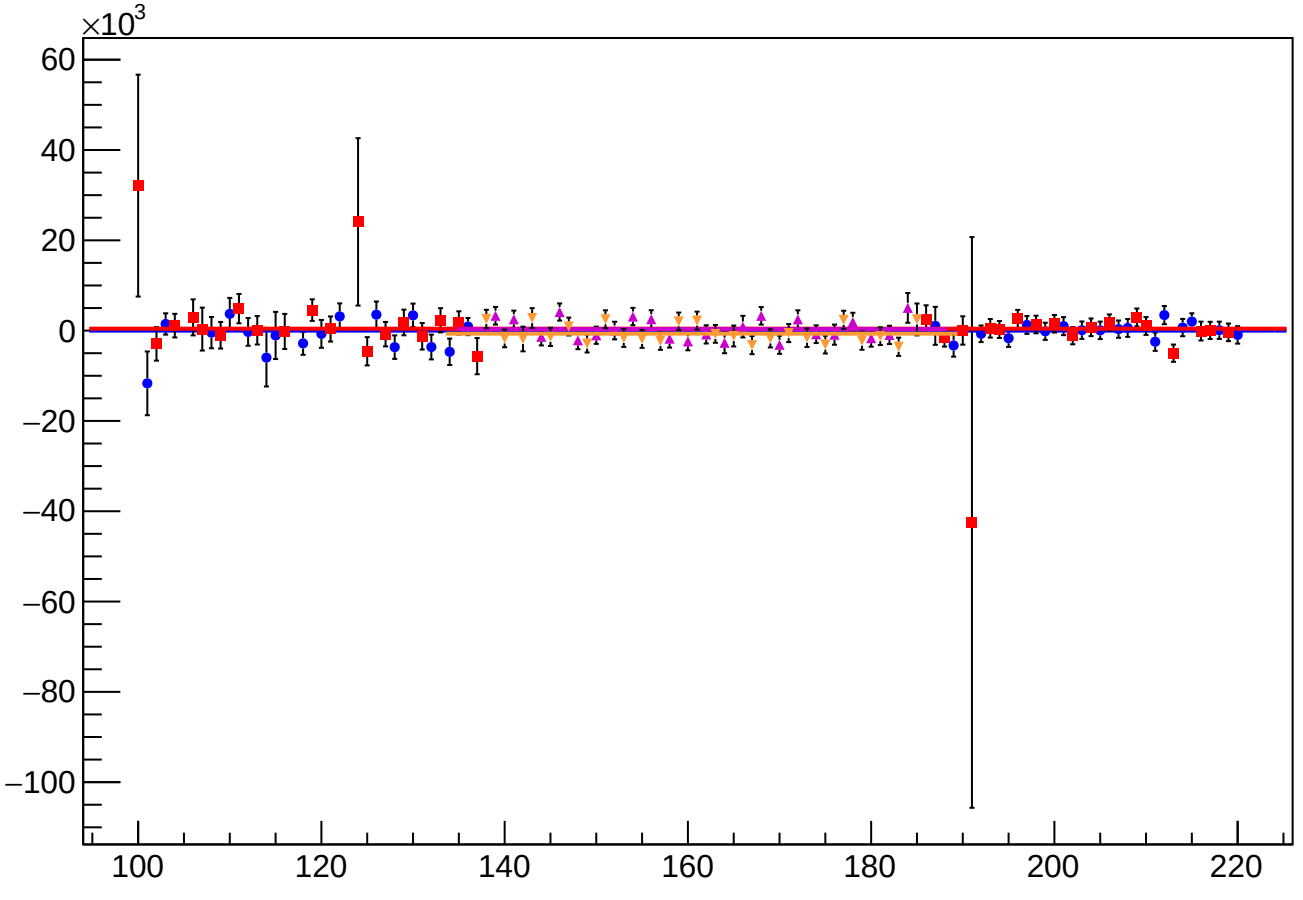
Right Out: 663.672+/-0.109 χ^2/NDF: 4862617.2/36

Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 490.970+/-0.058 χ^2/NDF: 7567470.9/57

All: 490.965+/-0.041 χ^2/NDF: 16359035.4/11

- sign 490.959+/-0.059 χ^2/NDF: 8791564.5/59



Right In: 3.335+/-405.494 χ^2/NDF: 26.8/32

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 432.704+/-407.562 χ^2/NDF: 31.1/36

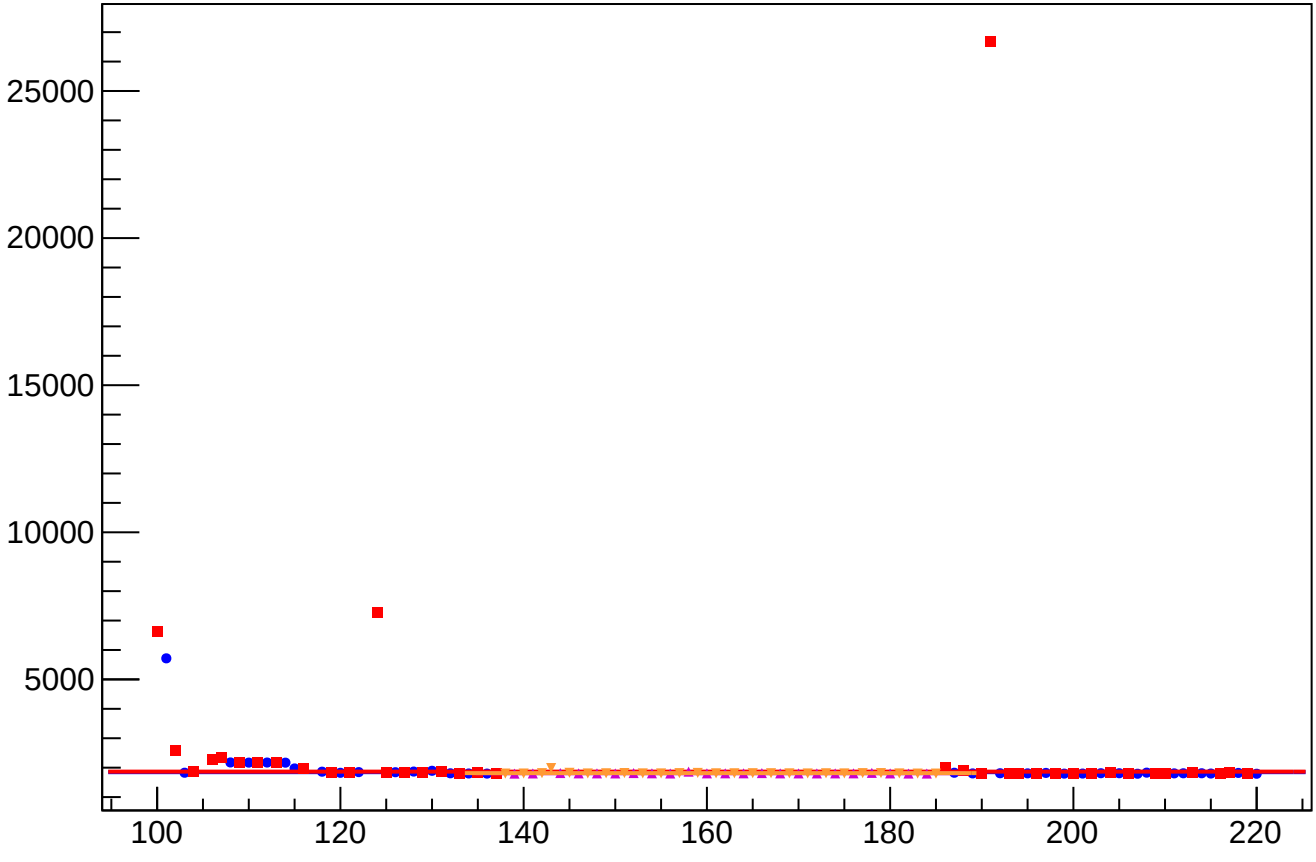
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

\+ sign -327.822+/-289.071 χ^2/NDF: 52.9/57

All: 25.501+/-205.918 χ^2/NDF: 117.2/117

\- sign 389.483+/-293.400 χ^2/NDF: 61.2/59

cor_asym_at1_dd_rms vs Slug



Right In: 1846.471+/-0.287 χ^2/NDF: 681766.9/32

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1865.484+/-0.288 χ^2/NDF: 767699.9/36

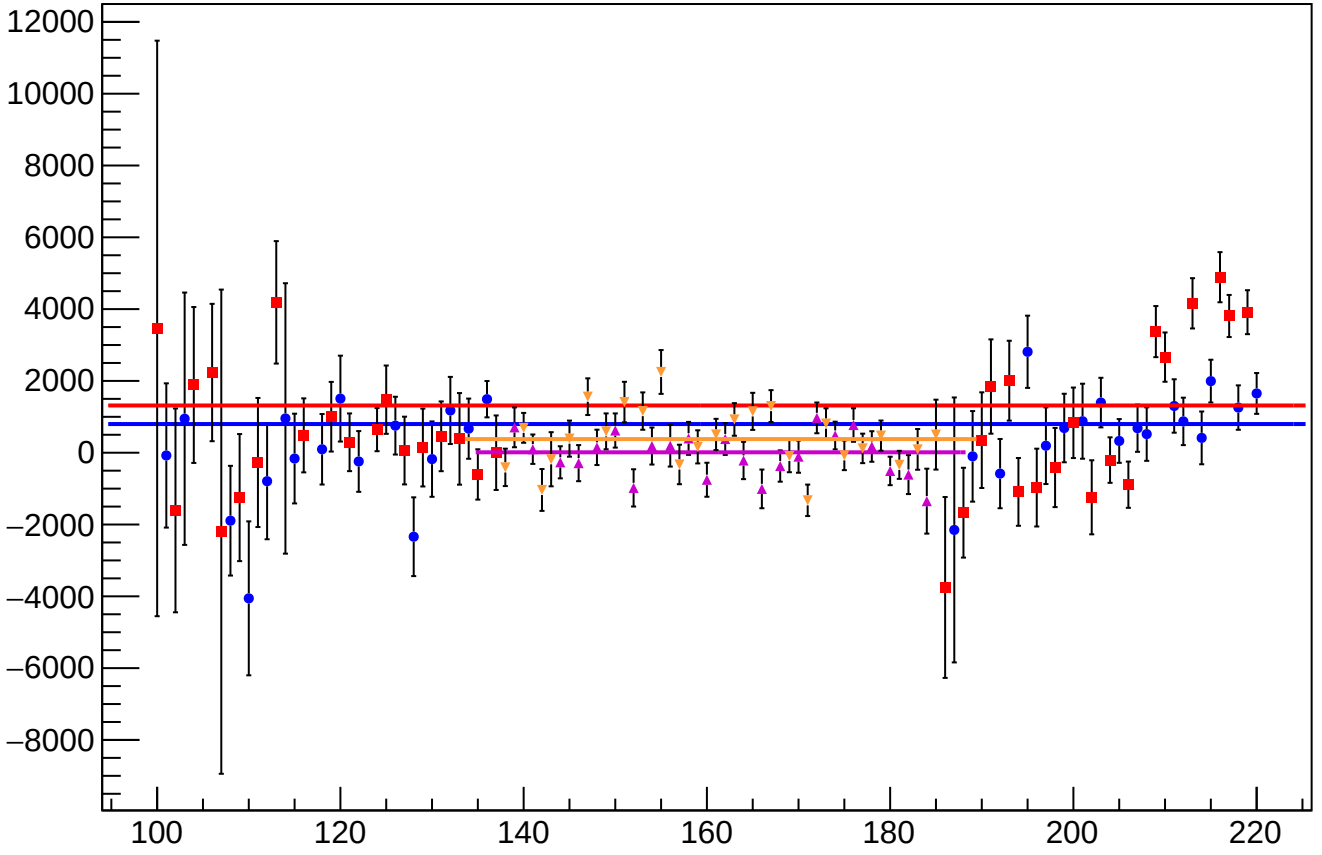
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1830.716+/-0.204 χ^2/NDF: 701008.5/57

All: 1834.784+/-0.146 χ^2/NDF: 1489043.5/11

- sign 1838.974+/-0.207 χ^2/NDF: 787231.0/59

asym_at1_dd_cor_correction_mean vs Slug



Right In: 798.784+/-150.763 χ^2/NDF: 40.1/32

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 1315.839+/-154.578 χ^2/NDF: 163.6/36

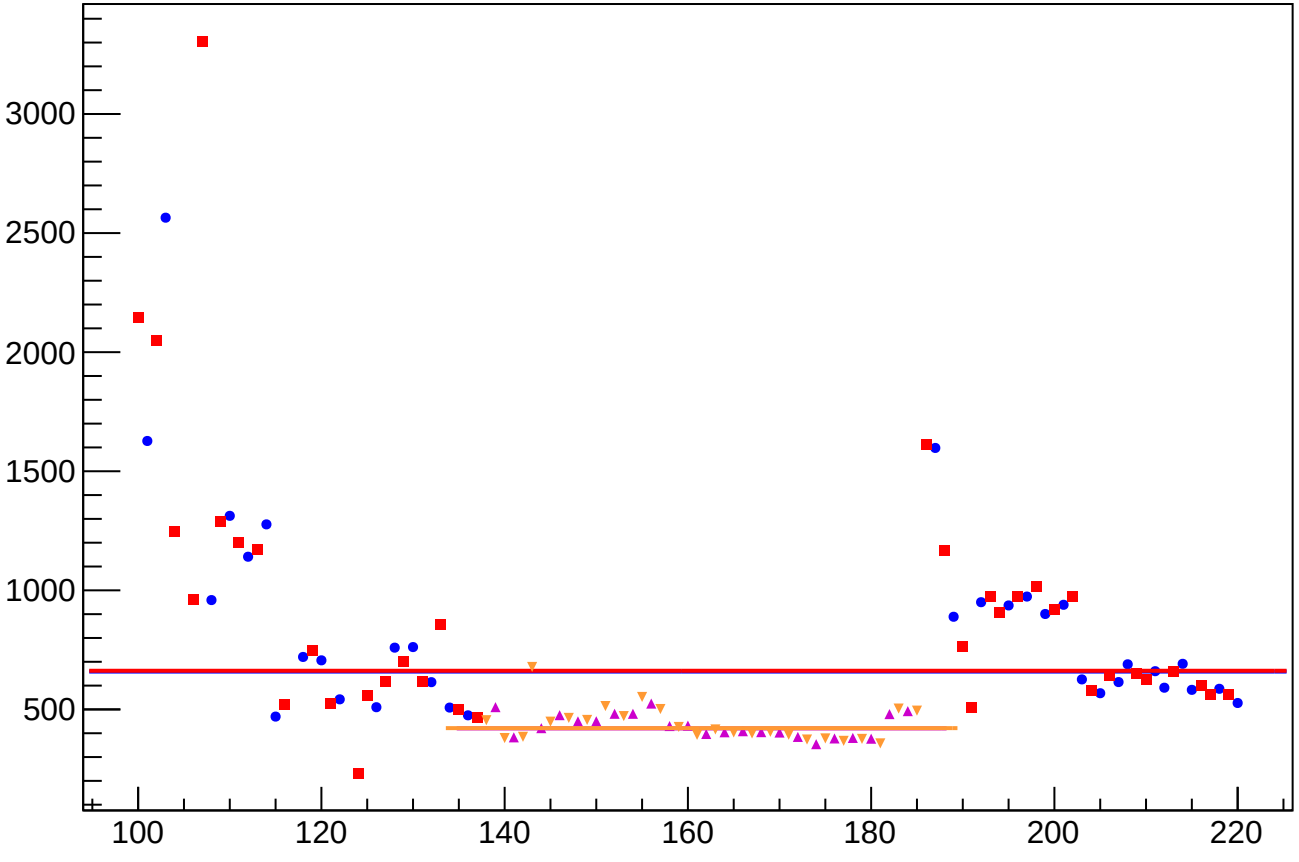
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 502.165+/-81.583 χ^2/NDF: 107.9/57

All: 447.671+/-58.303 χ^2/NDF: 354.0/117

- sign 390.787+/-83.353 χ^2/NDF: 245.2/59

asym_at1_dd_cor_correction_rms vs Slug



Right In: 658.951+/-0.107 χ^2/NDF: 3312739.0/32

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 662.321+/-0.109 χ^2/NDF: 4866440.8/36

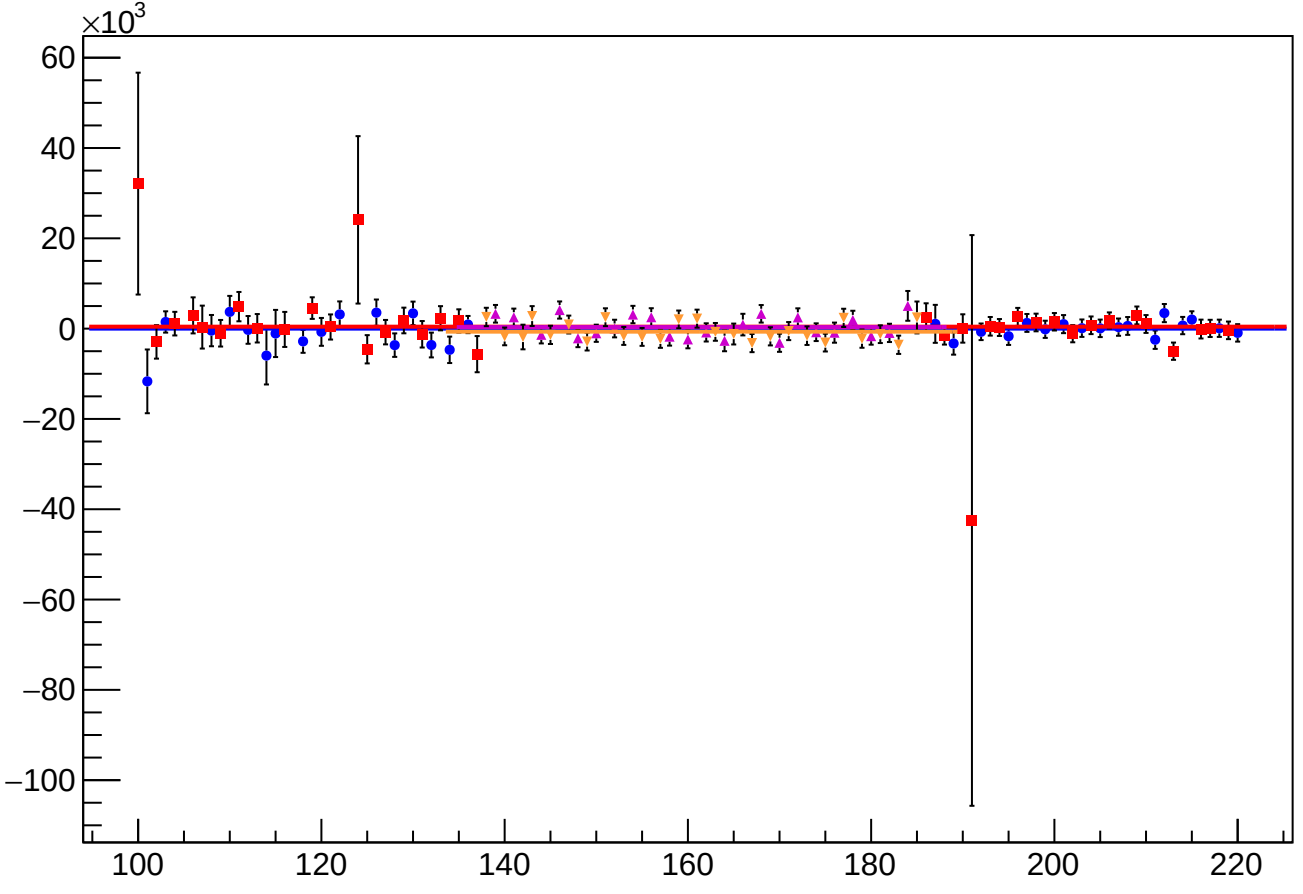
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 490.974+/-0.058 χ^2/NDF: 7566538.4/57

All: 490.798+/-0.041 χ^2/NDF: 16325694.4/11

- sign 490.614+/-0.059 χ^2/NDF: 8759136.9/59

eigen_cor_asym_at1_dd_mean vs Slug



Right In: 3.335+/-405.494 χ^2/NDF: 26.8/32

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 432.704+/-407.562 χ^2/NDF: 31.1/36

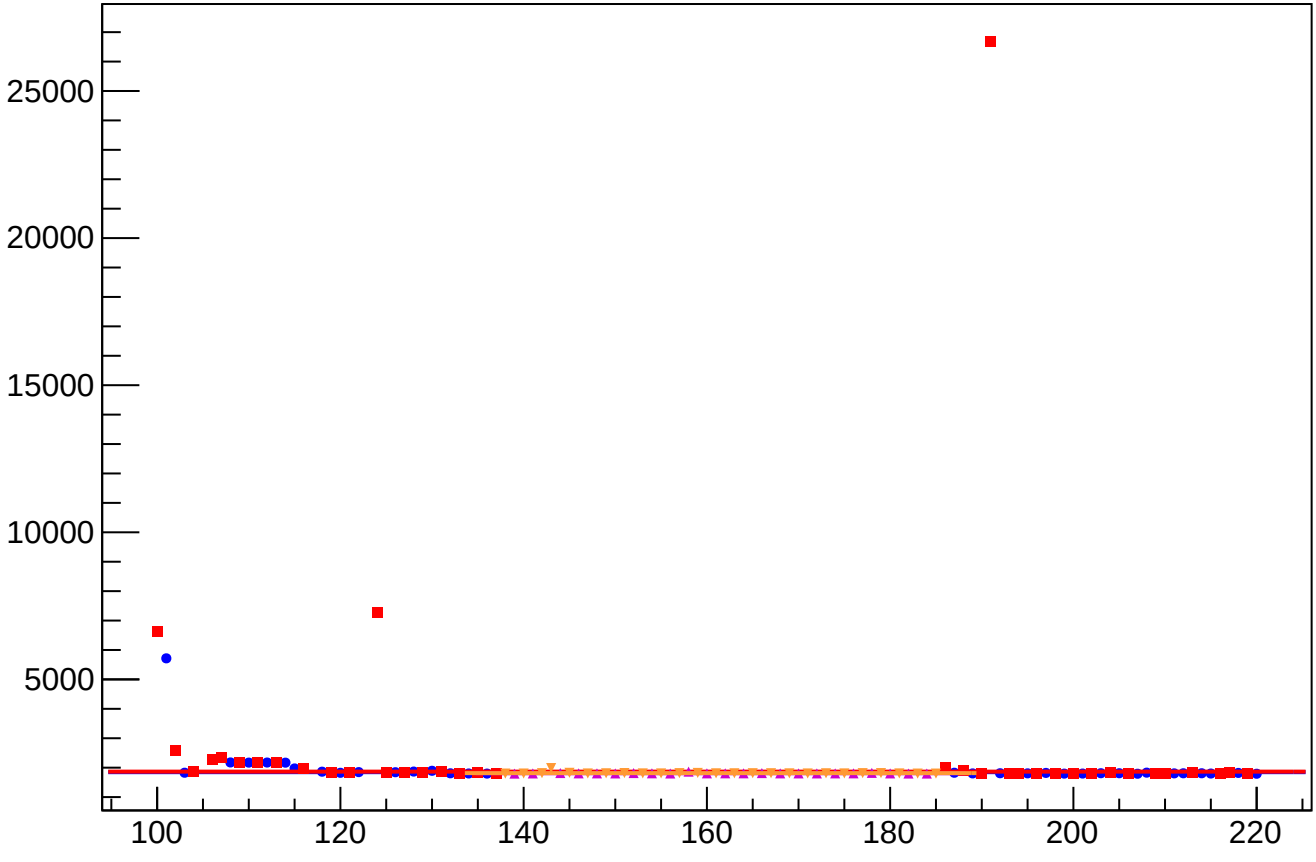
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -327.822+/-289.071 χ^2/NDF: 52.9/57

All: 25.501+/-205.918 χ^2/NDF: 117.2/117

- sign 389.483+/-293.400 χ^2/NDF: 61.2/59

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1846.471+/-0.287 χ^2/NDF: 681766.9/32

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1865.484+/-0.288 χ^2/NDF: 767699.9/36

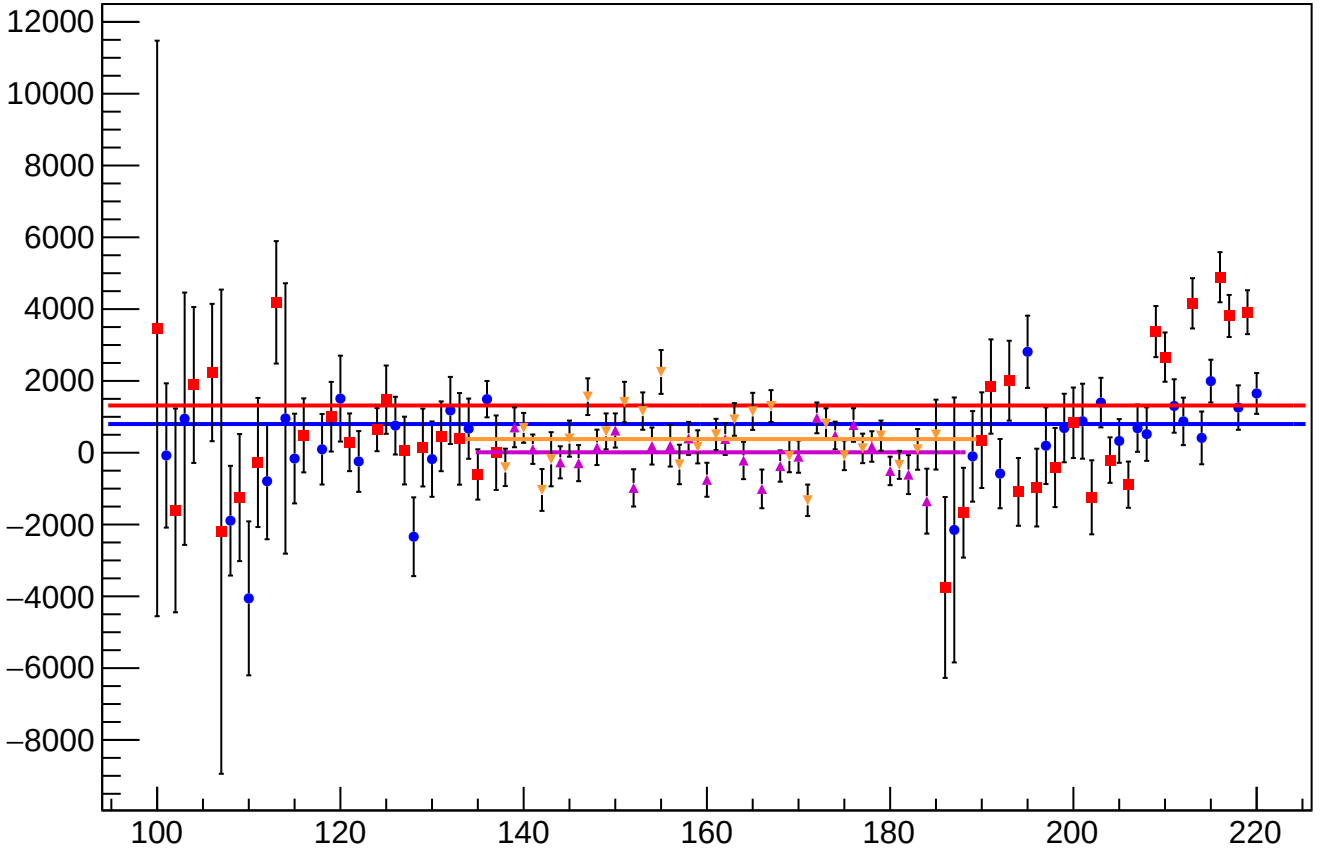
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1830.716+/-0.204 χ^2/NDF: 701008.5/57

All: 1834.784+/-0.146 χ^2/NDF: 1489043.5/11

- sign 1838.974+/-0.207 χ^2/NDF: 787231.0/59

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 798.784+/-150.763 χ^2/NDF: 40.1/32

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 1315.839+/-154.578 χ^2/NDF: 163.6/36

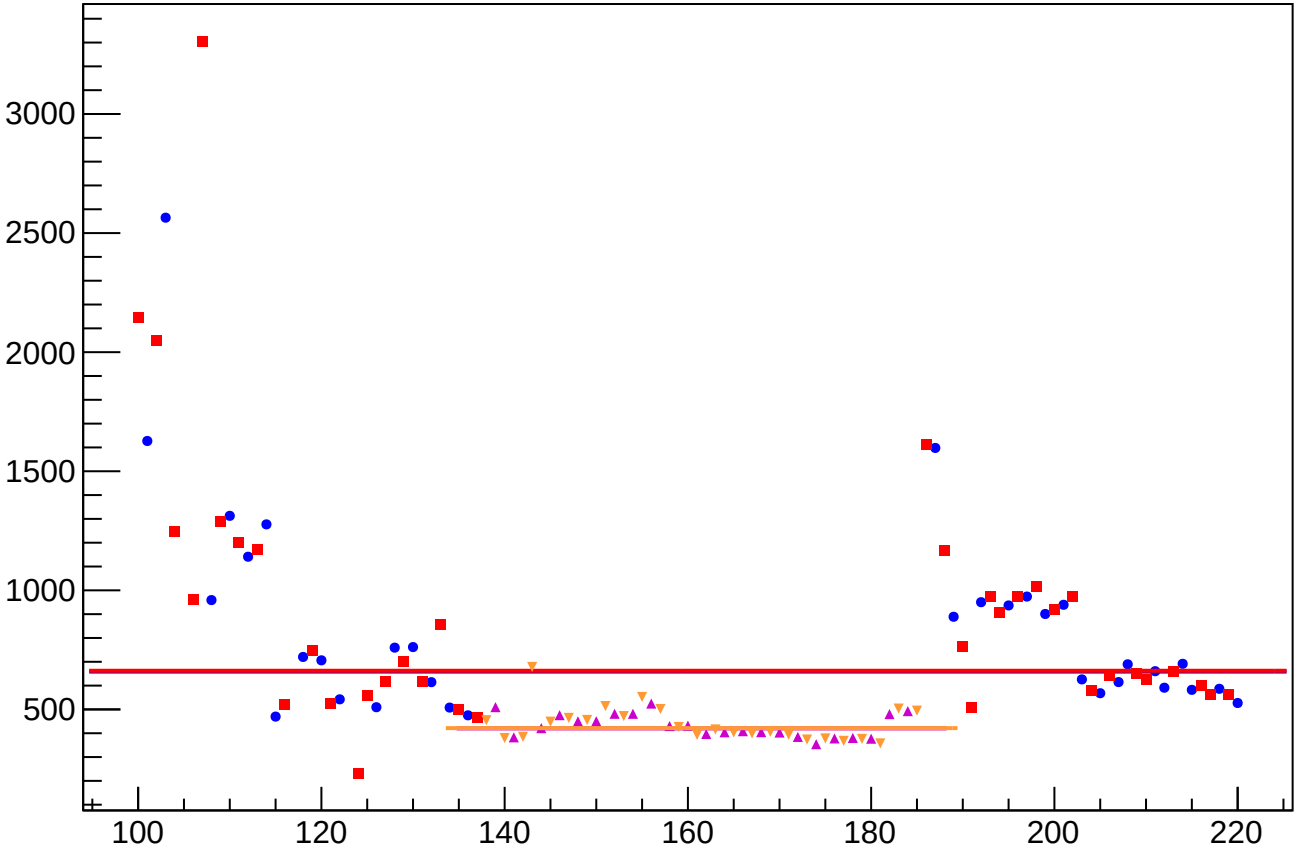
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 502.165+/-81.583 χ^2/NDF: 107.9/57

All: 447.671+/-58.303 χ^2/NDF: 354.0/117

- sign 390.787+/-83.353 χ^2/NDF: 245.2/59

asym_at1_dd_eigen_cor_correction_rms vs Slug



Right In: 658.951+/-0.107 χ^2/NDF: 3312739.0/32

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 662.321+/-0.109 χ^2/NDF: 4866440.8/36

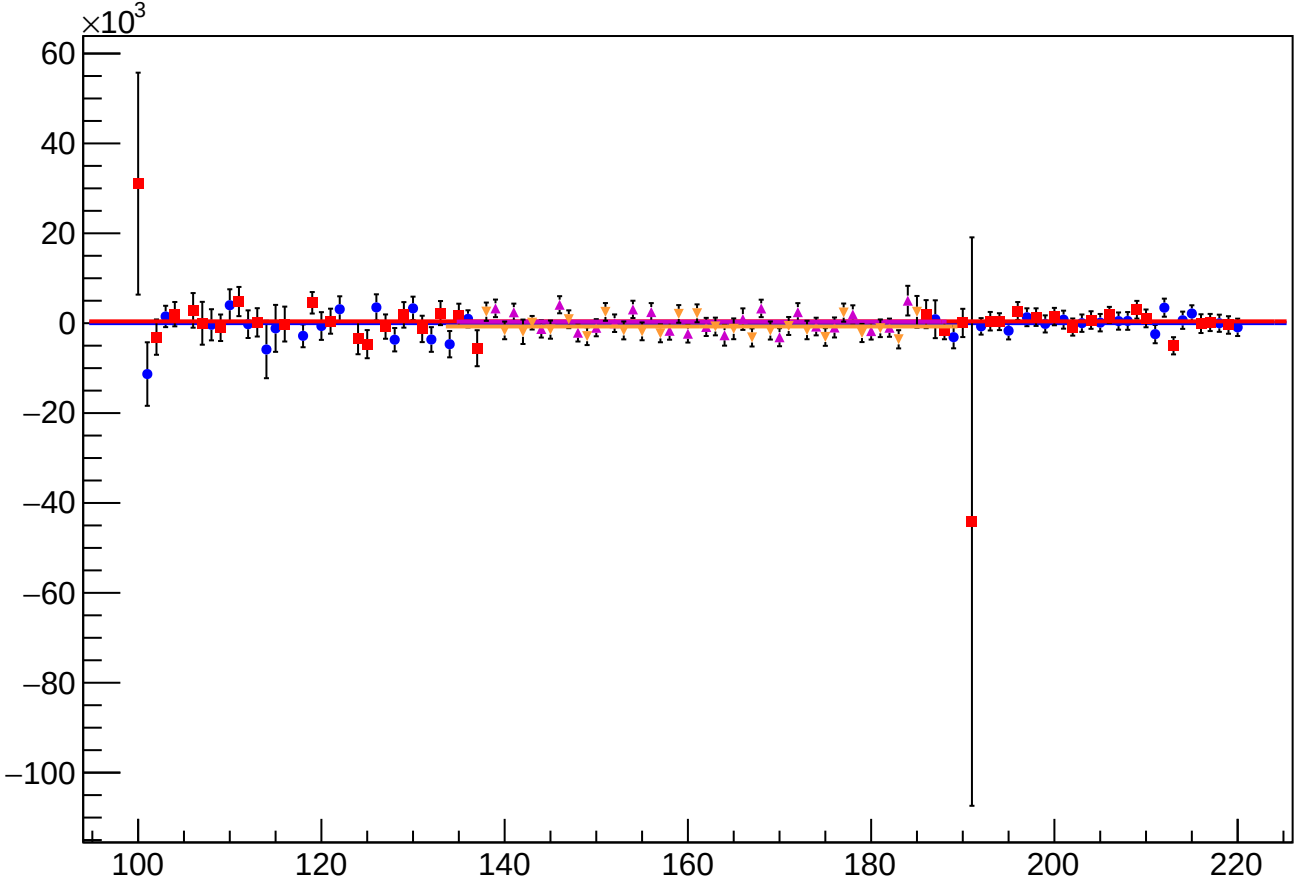
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 490.974+/-0.058 χ^2/NDF: 7566538.4/57

All: 490.798+/-0.041 χ^2/NDF: 16325694.4/11

- sign 490.614+/-0.059 χ^2/NDF: 8759136.9/59

dit_asym_at1_dd_mean vs Slug



Right In: 14.711+/-405.878 χ^2/NDF: 26.6/32

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 409.971+/-405.905 χ^2/NDF: 30.6/36

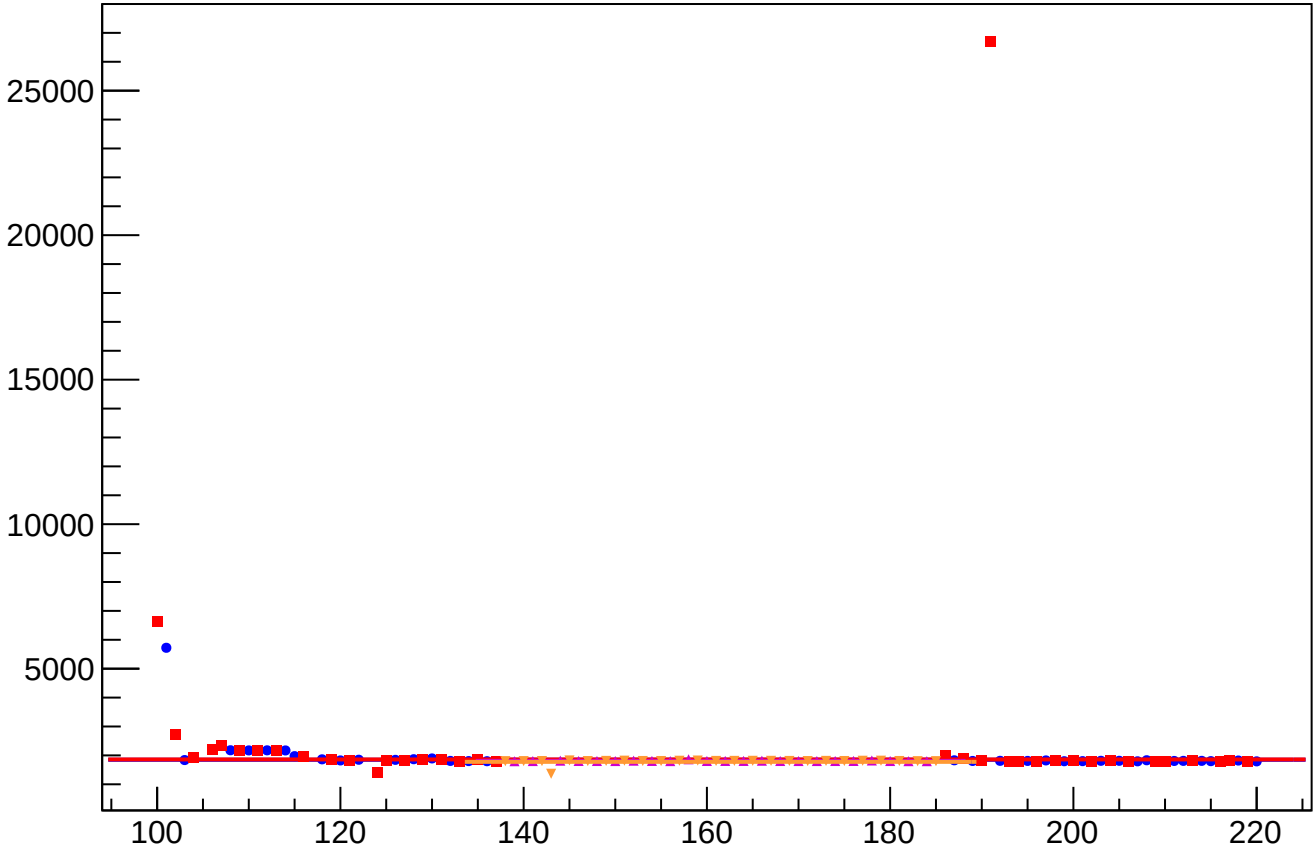
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -356.241+/-286.481 χ^2/NDF: 50.4/57

All: 2.349+/-204.780 χ^2/NDF: 113.9/117

- sign 377.003+/-292.828 χ^2/NDF: 60.2/59

dit_asym_at1_dd_rms vs Slug



Right In: 1848.123+/-0.287 χ^2/NDF: 681712.5/32

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1859.478+/-0.287 χ^2/NDF: 641409.4/36

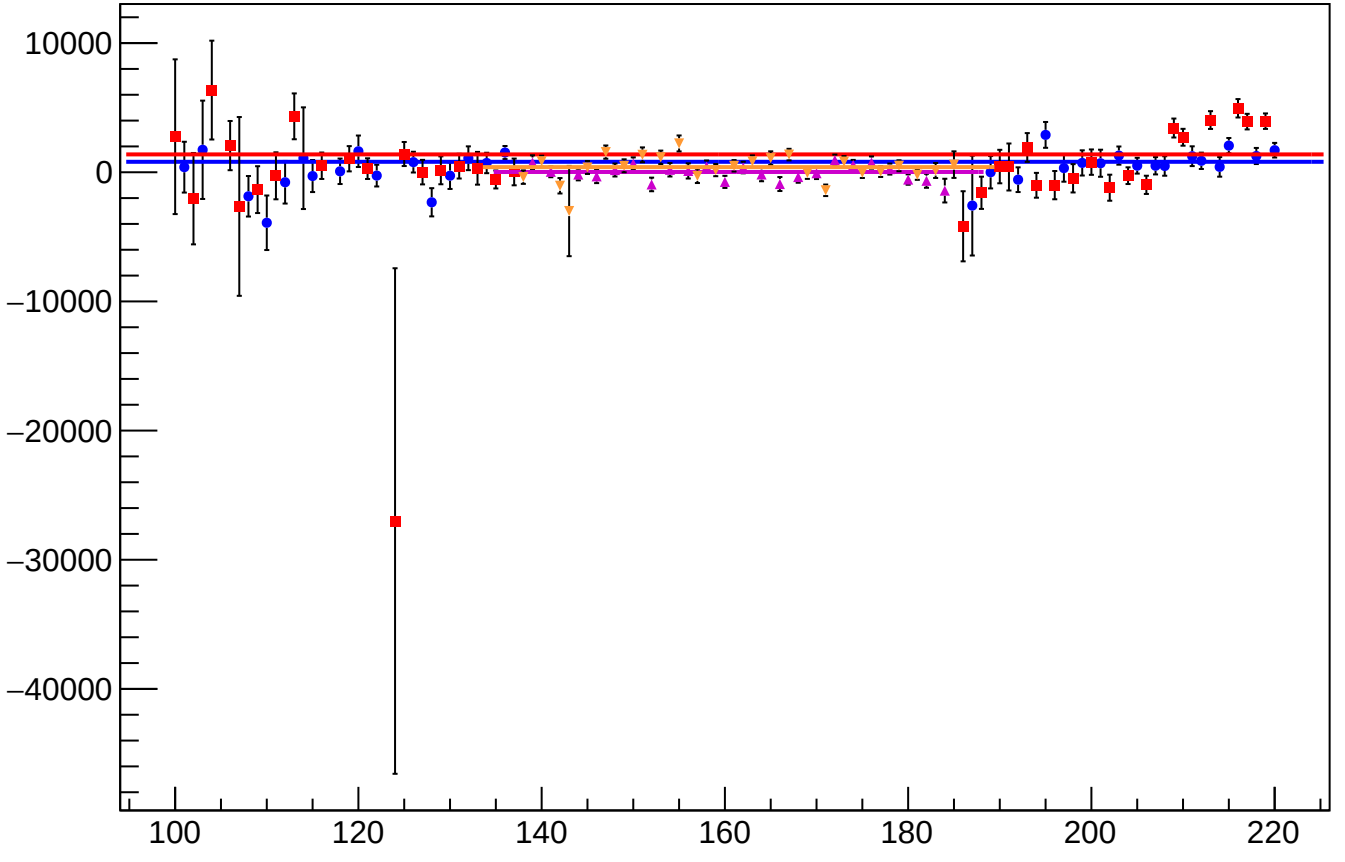
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1812.293+/-0.203 χ^2/NDF: 874066.4/57

All: 1824.019+/-0.145 χ^2/NDF: 1537926.2/11

- sign 1836.270+/-0.207 χ^2/NDF: 657008.3/59

asym_at1_dd_dit_correction_mean vs Slug



Right In: 809.831+/-150.783 χ^2/NDF: 40.8/32

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 1382.341+/-161.667 χ^2/NDF: 165.6/36

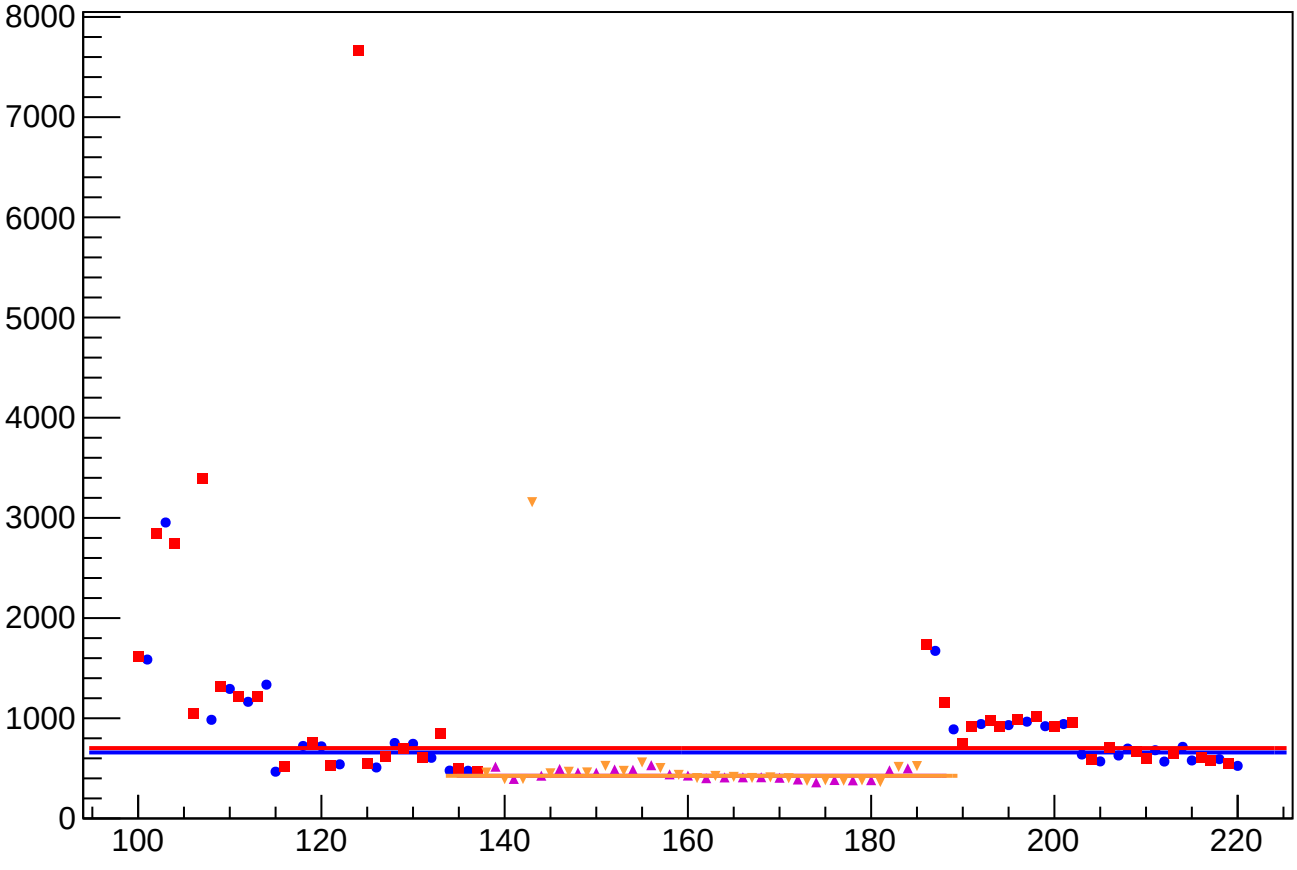
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 522.532+/-82.853 χ^2/NDF: 106.5/57

All: 462.736+/-59.401 χ^2/NDF: 355.3/117

- sign 399.492+/-85.207 χ^2/NDF: 247.7/59

asym_at1_dd_dit_correction_rms vs Slug



Right In: 658.742+/-0.107 χ^2/NDF: 3526419.2/32

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 702.341+/-0.114 χ^2/NDF: 4796440.2/36

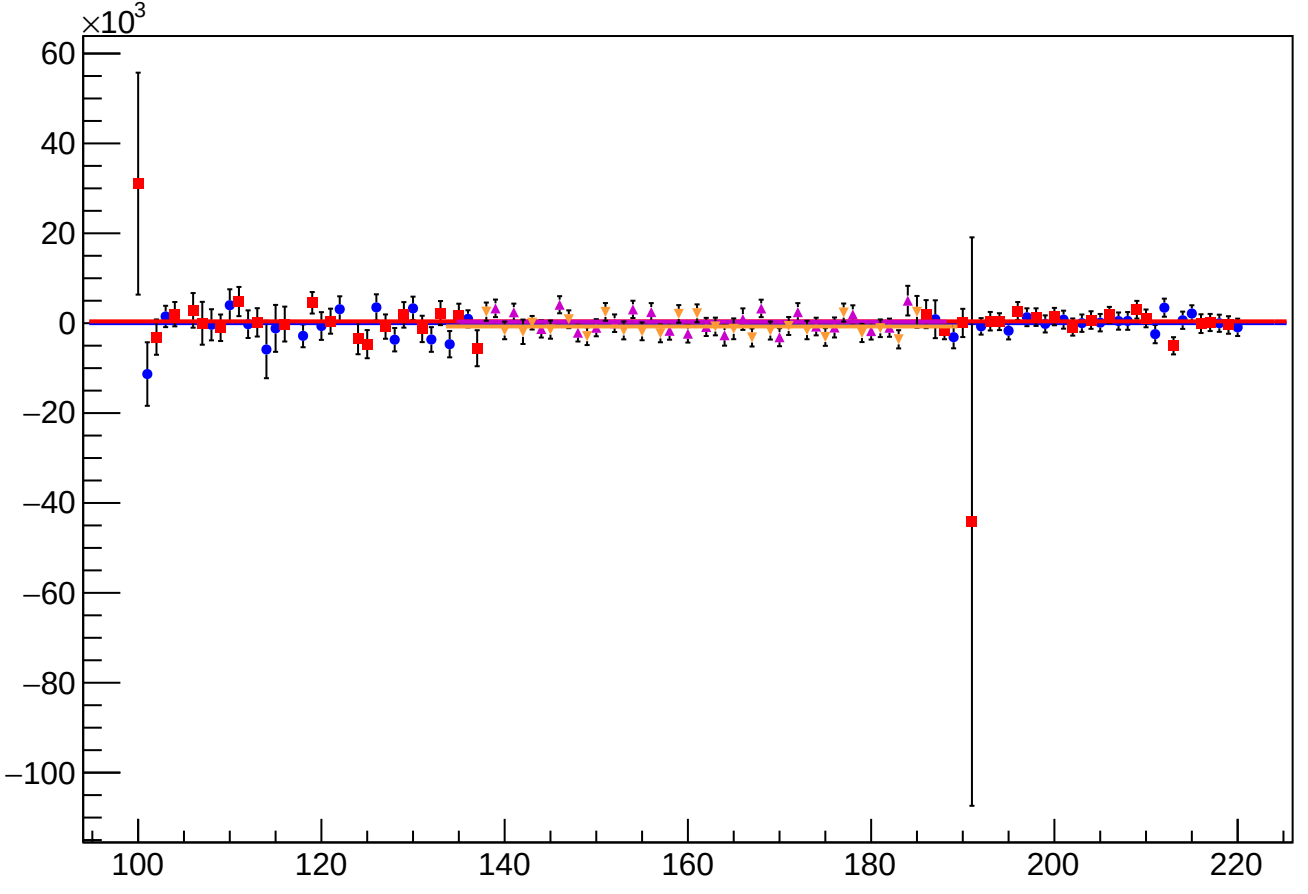
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 496.060+/-0.059 χ^2/NDF: 8579635.0/57

All: 499.369+/-0.042 χ^2/NDF: 18013951.6/11

- sign 502.869+/-0.060 χ^2/NDF: 9427753.7/59

eigen_dit_asym_at1_dd_mean vs Slug



Right In: 14.709+/-405.878 χ^2/NDF: 26.6/32

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 409.969+/-405.905 χ^2/NDF: 30.6/36

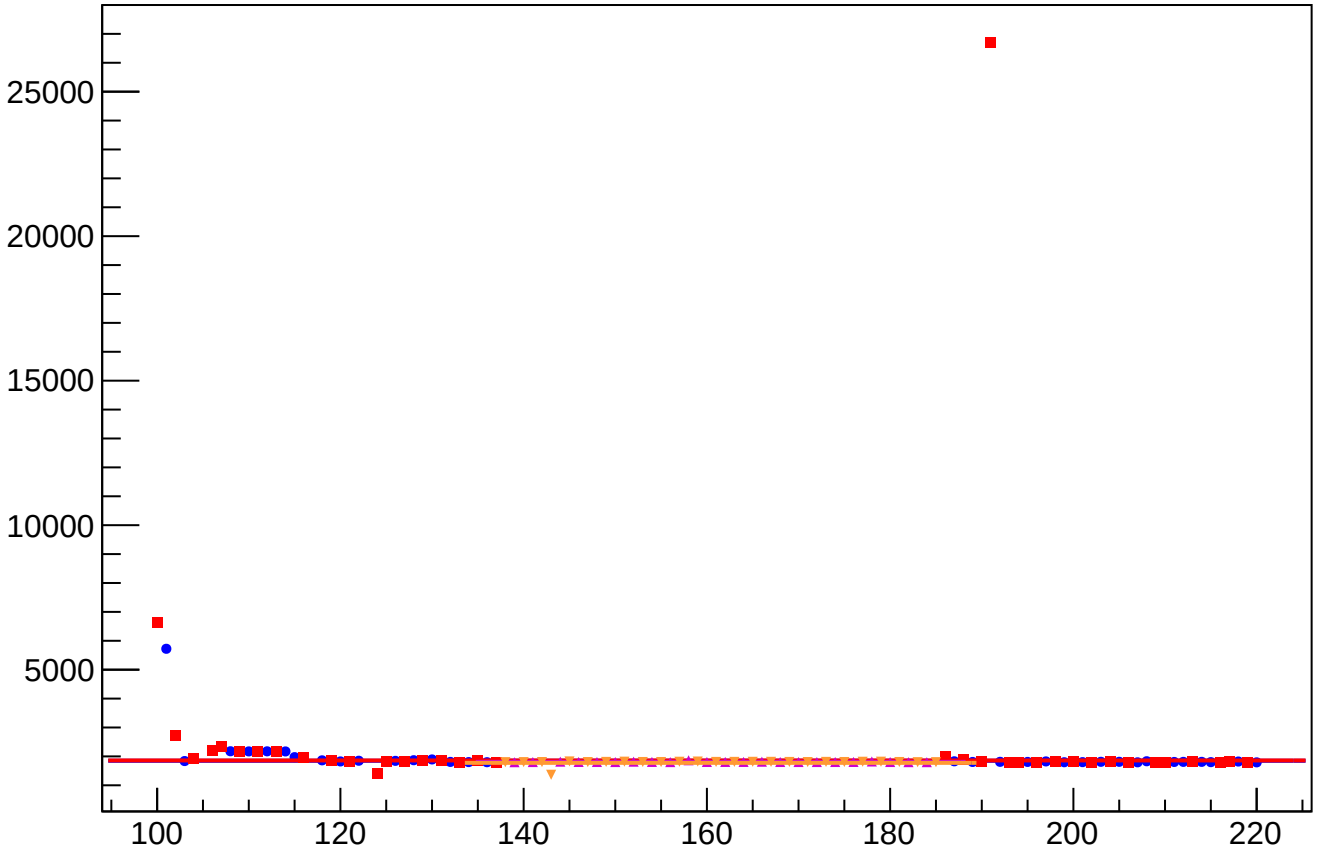
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

\+ sign -356.242+/-286.481 χ^2/NDF: 50.4/57

All: 2.347+/-204.780 χ^2/NDF: 113.9/117

\- sign 377.001+/-292.828 χ^2/NDF: 60.2/59

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1848.123+/-0.287 χ^2/NDF: 681712.5/32

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

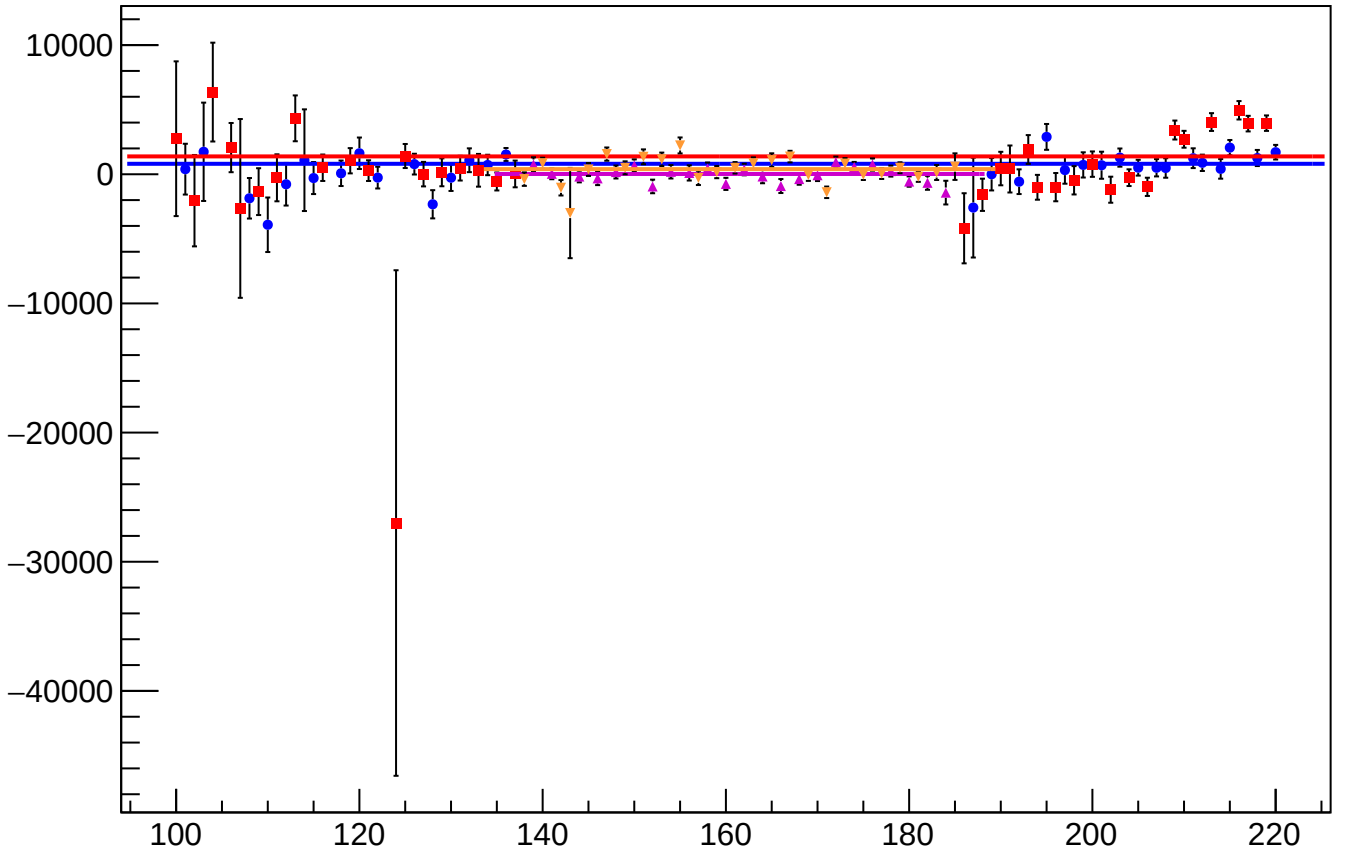
Right Out: 1859.478+/-0.287 χ^2/NDF: 641409.2/36

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1812.293+/-0.203 χ^2/NDF: 874066.4/57

All: 1824.019+/-0.145 χ^2/NDF: 1537925.9/11

- sign 1836.270+/-0.207 χ^2/NDF: 657008.1/59



Right In: 809.828+/-150.783 χ^2/NDF: 40.8/32

Left Out: 398.268+/-99.165 χ^2/NDF:60.5/24

Right Out: 1382.337+/-161.667 χ^2/NDF: 165.6/36

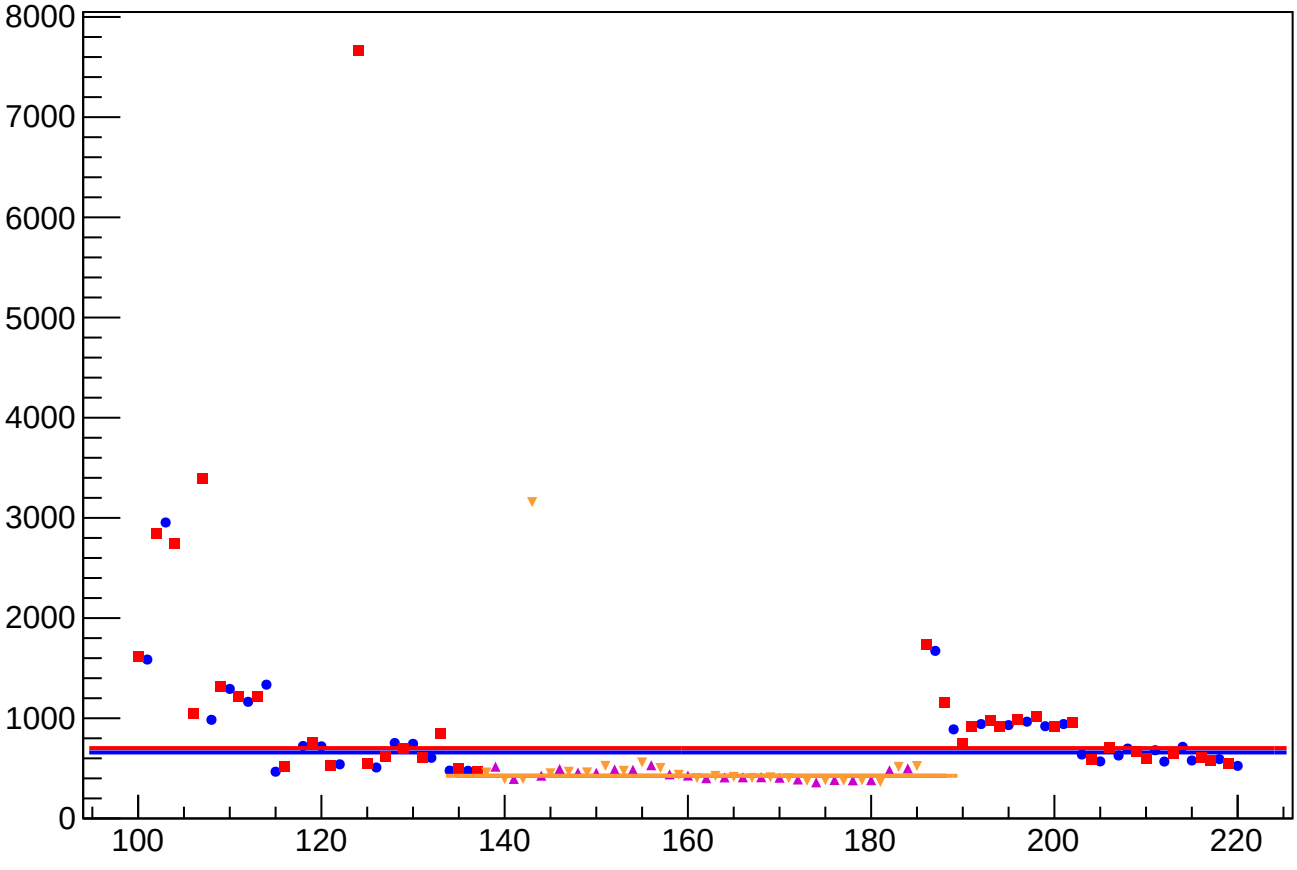
Left In: 21.452+/-100.264 χ^2/NDF:30.8/22

+ sign 522.531+/-82.853 χ^2/NDF: 106.5/57

All: 462.734+/-59.401 χ^2/NDF: 355.3/117

- sign 399.490+/-85.207 χ^2/NDF: 247.7/59

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 658.743+/-0.107 χ^2/NDF: 3526417.9/32

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 702.342+/-0.114 χ^2/NDF: 4796435.8/36

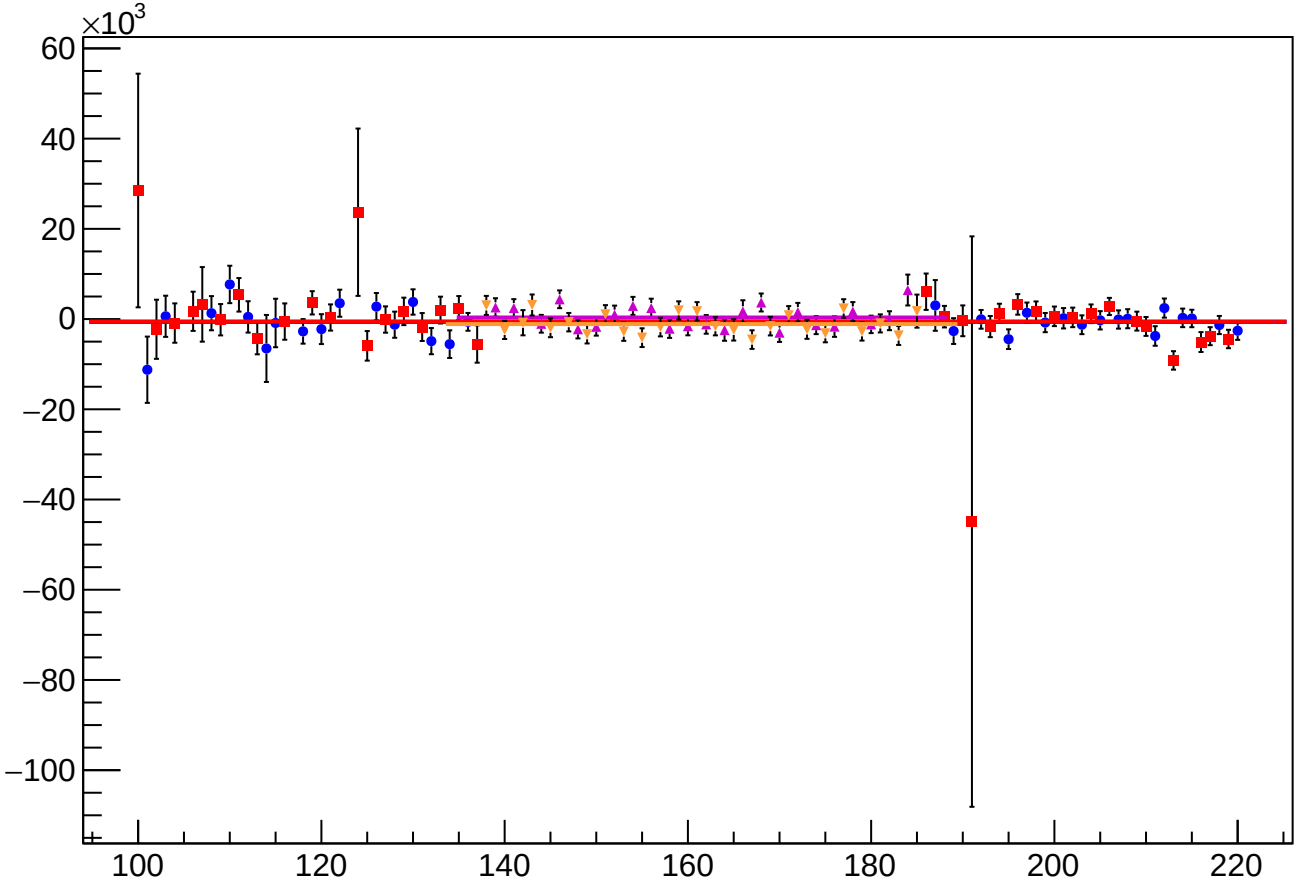
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 496.060+/-0.059 χ^2/NDF: 8579653.8/57

All: 499.369+/-0.042 χ^2/NDF: 18013989.2/11

- sign 502.868+/-0.060 χ^2/NDF: 9427772.3/59

asym_at1_dd_mean vs Slug



Right In: -619.965+/-443.430 χ^2/NDF: 29.3/32

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: -548.458+/-452.120 χ^2/NDF: 57.5/36

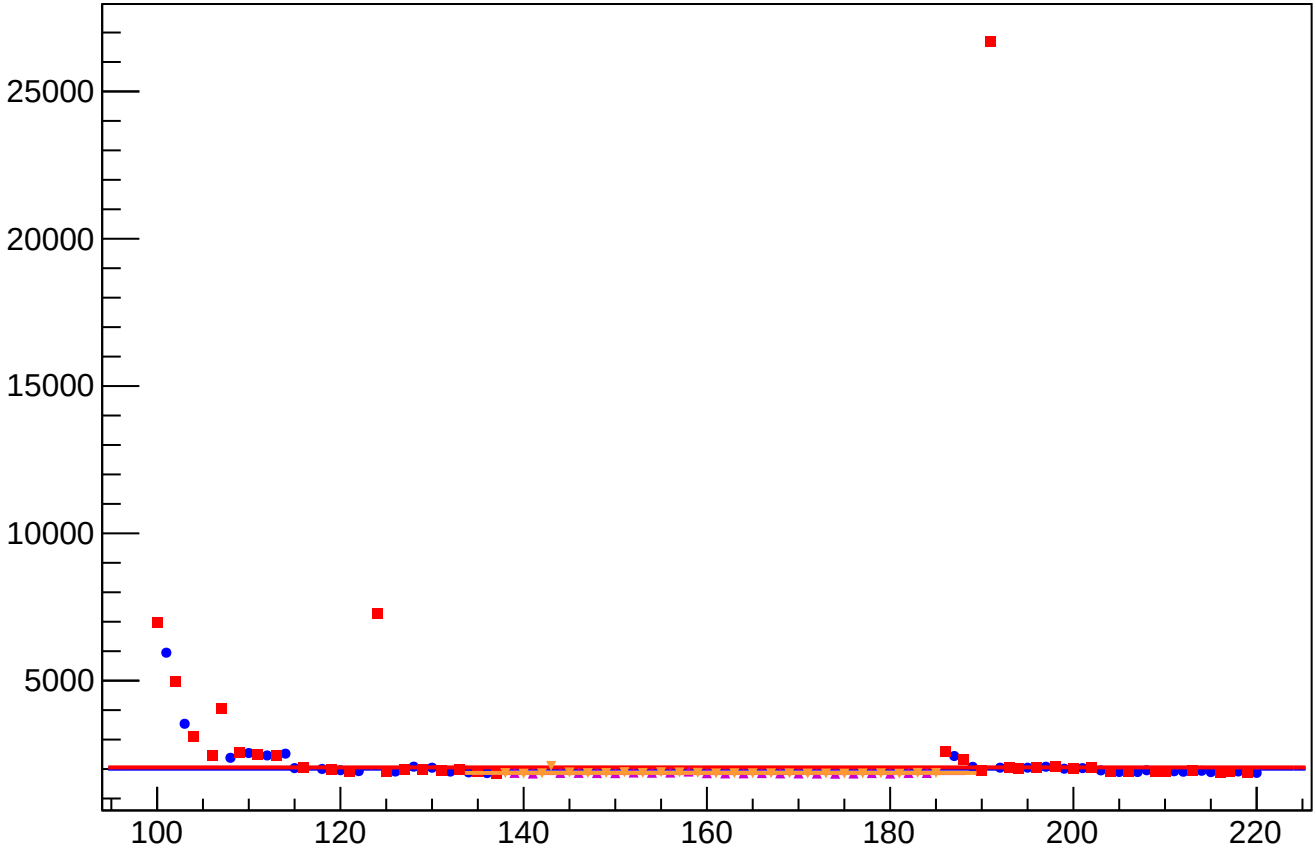
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -873.385+/-306.696 χ^2/NDF: 57.9/57

All: -487.010+/-219.216 χ^2/NDF: 149.5/117

- sign -83.433+/-313.449 χ^2/NDF: 88.3/59

asym_at1_dd_rms vs Slug



Right In: 2011.568+/-0.314 χ^2/NDF: 977547.1/32

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2055.591+/-0.320 χ^2/NDF: 1445658.9/36

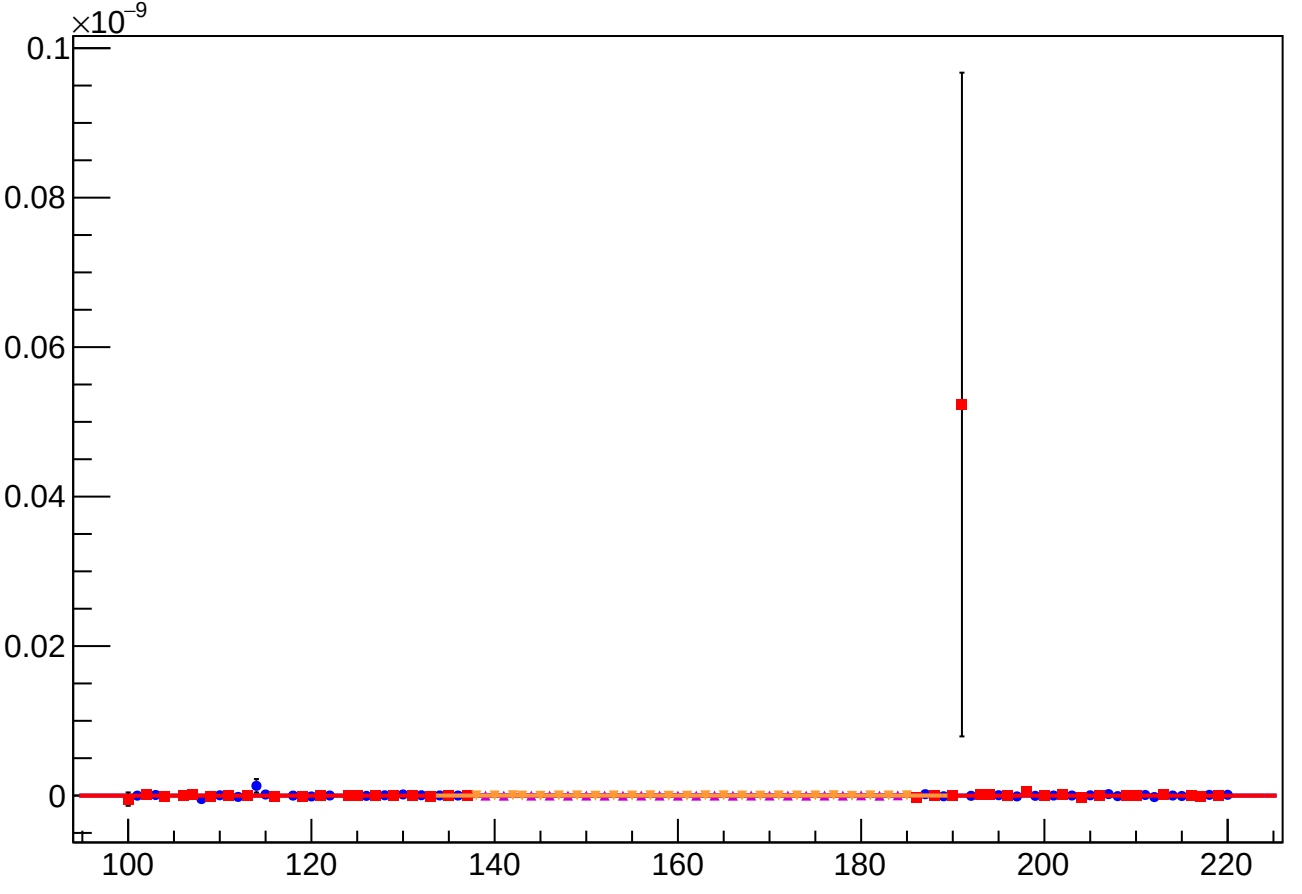
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1937.170+/-0.217 χ^2/NDF: 1108791.9/57

All: 1946.125+/-0.155 χ^2/NDF: 2749464.3/11

- sign 1955.479+/-0.222 χ^2/NDF: 1637186.0/59

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 40.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.5/36

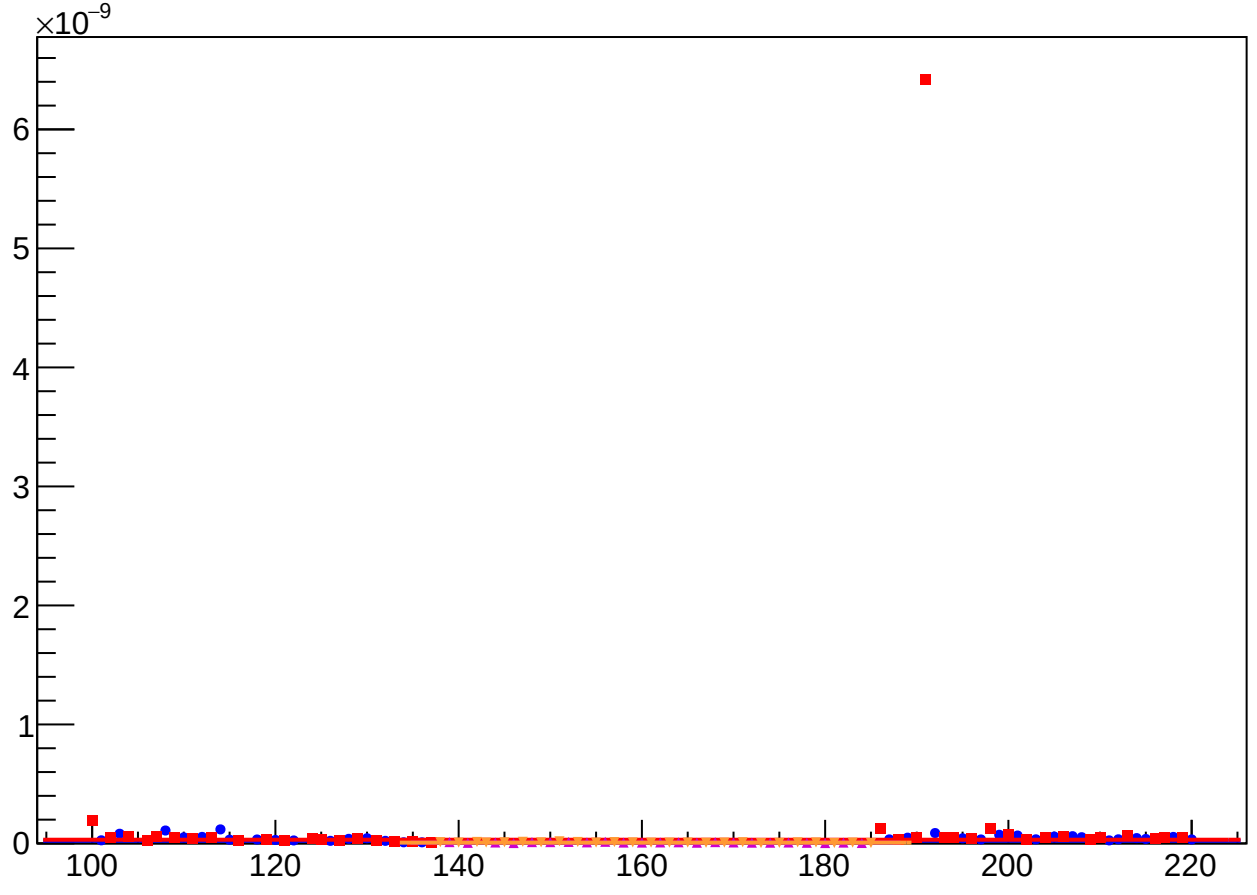
Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.8/57

All: 0.000+/-0.000 χ^2/NDF: 138.0/117

- sign 0.000+/-0.000 χ^2/NDF: 54.6/59

asym_at1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5773460.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4003895.2/36

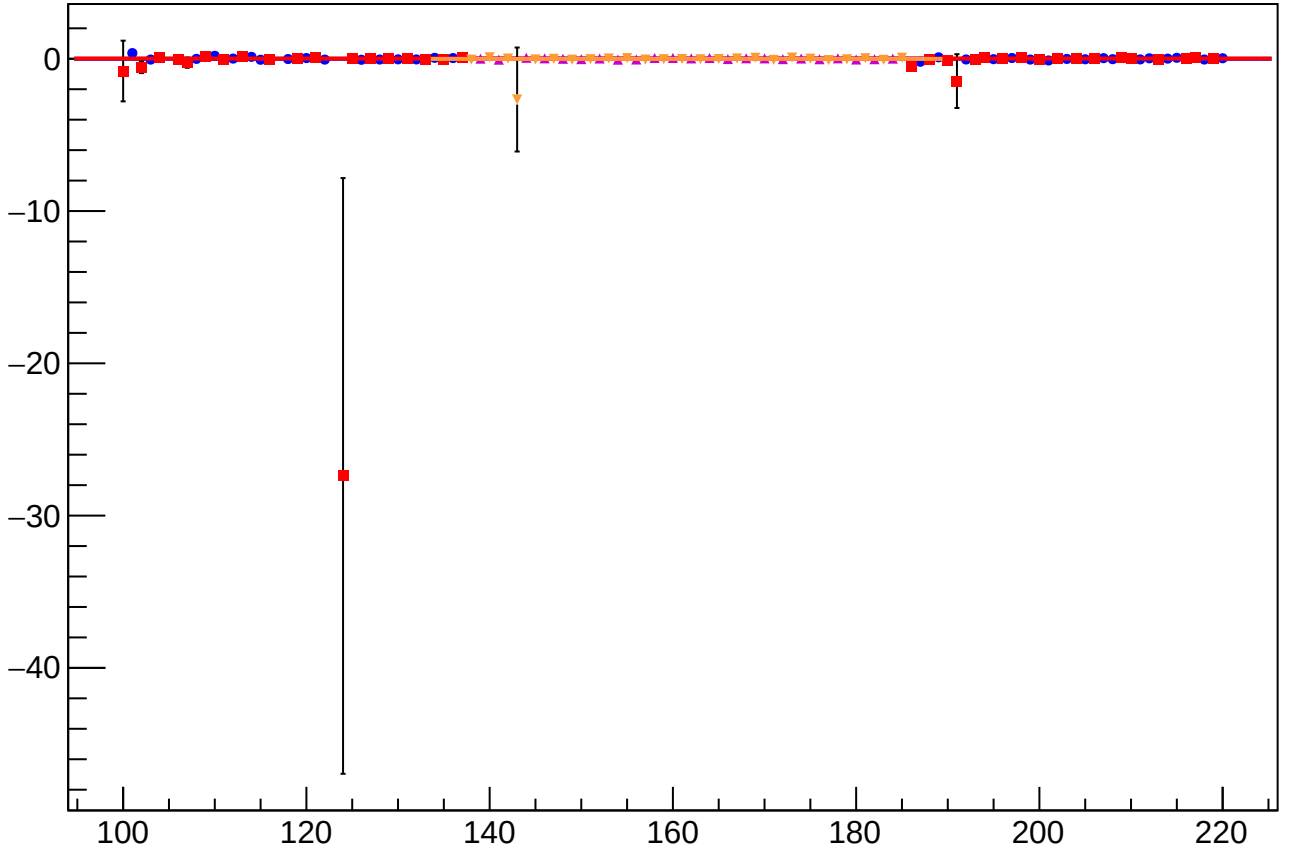
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12181414.4/57

All: 0.000+/-0.000 χ^2/NDF: 24570619.2/117

- sign 0.000+/-0.000 χ^2/NDF: 12387254.0/59

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.010 χ^2/NDF: 33.7/32

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.013+/-0.010 χ^2/NDF: 30.1/36

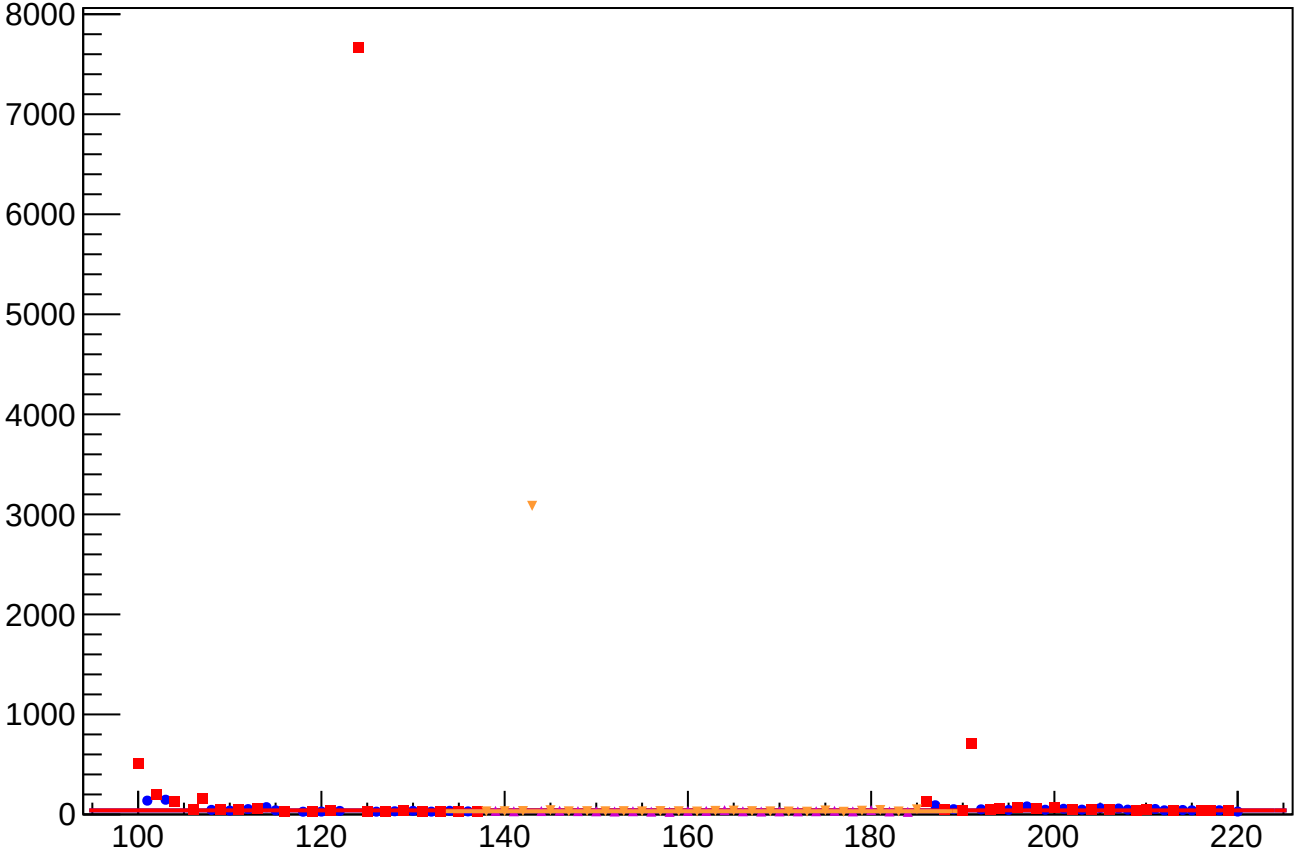
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.006+/-0.006 χ^2/NDF: 73.7/57

All: 0.000+/-0.005 χ^2/NDF: 127.3/117

- sign 0.007+/-0.006 χ^2/NDF: 51.4/59

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.378+/-0.007 χ^2/NDF: 3589804.1/32

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

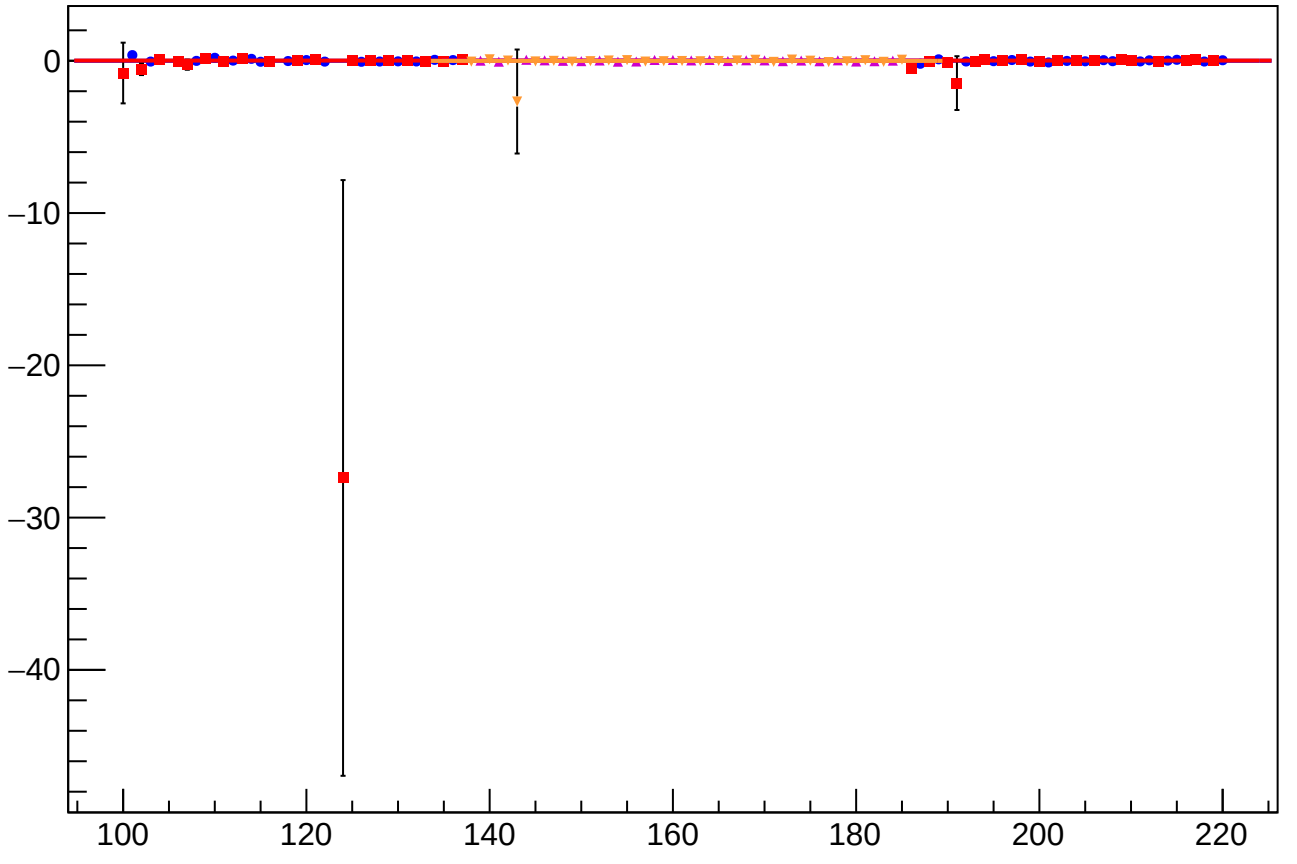
Right Out: 40.881+/-0.007 χ^2/NDF: 4359085.3/36

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 35.535+/-0.005 χ^2/NDF: 6489647.0/57

All: 35.639+/-0.003 χ^2/NDF: 12094892.2/117

- sign 35.746+/-0.005 χ^2/NDF: 5604160.3/59



Right In: -0.001+/-0.010 χ^2/NDF: 33.7/32

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.013+/-0.010 χ^2/NDF: 30.1/36

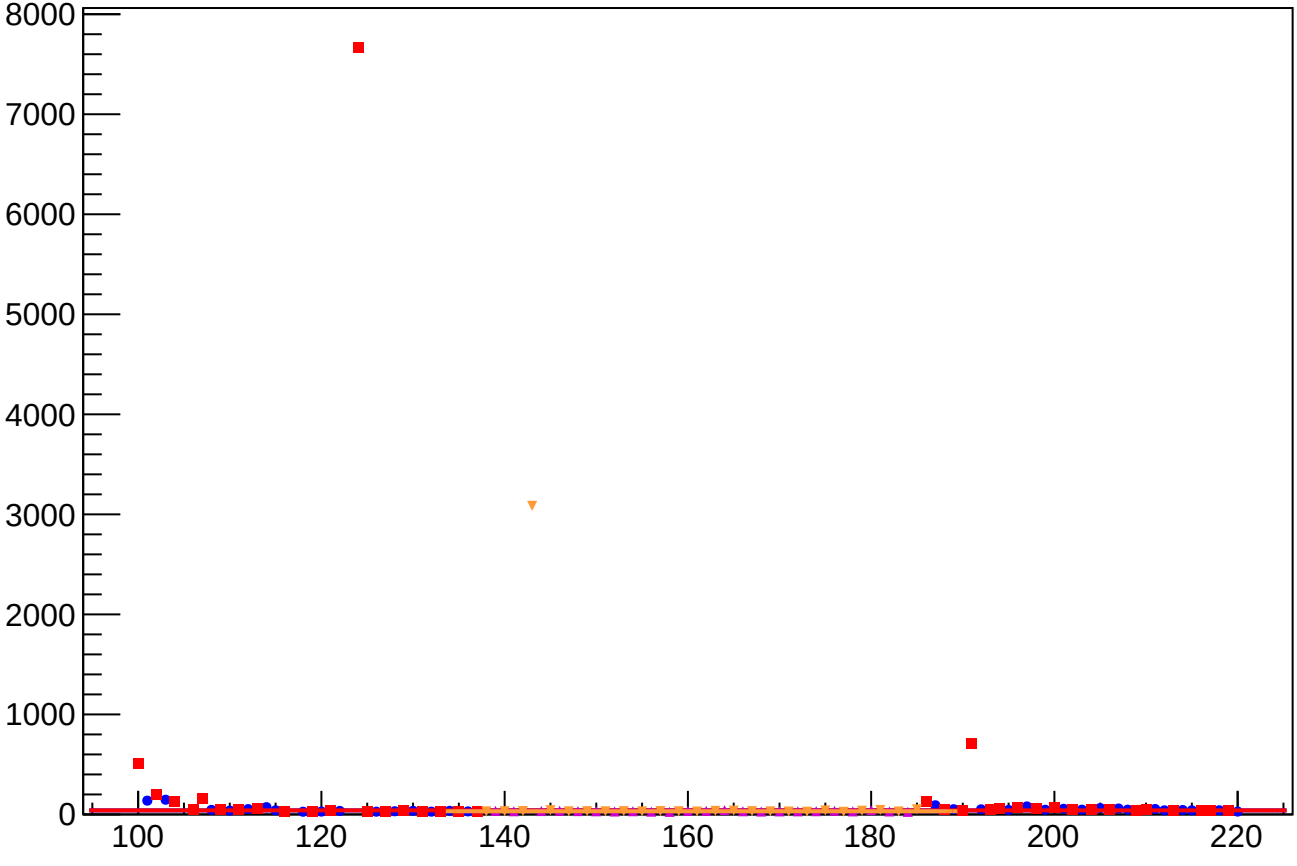
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.006+/-0.006 χ^2/NDF: 73.7/57

All: 0.000+/-0.005 χ^2/NDF: 127.3/117

- sign 0.007+/-0.006 χ^2/NDF: 51.4/59

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.378+/-0.007 χ^2/NDF: 3589804.1/32

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

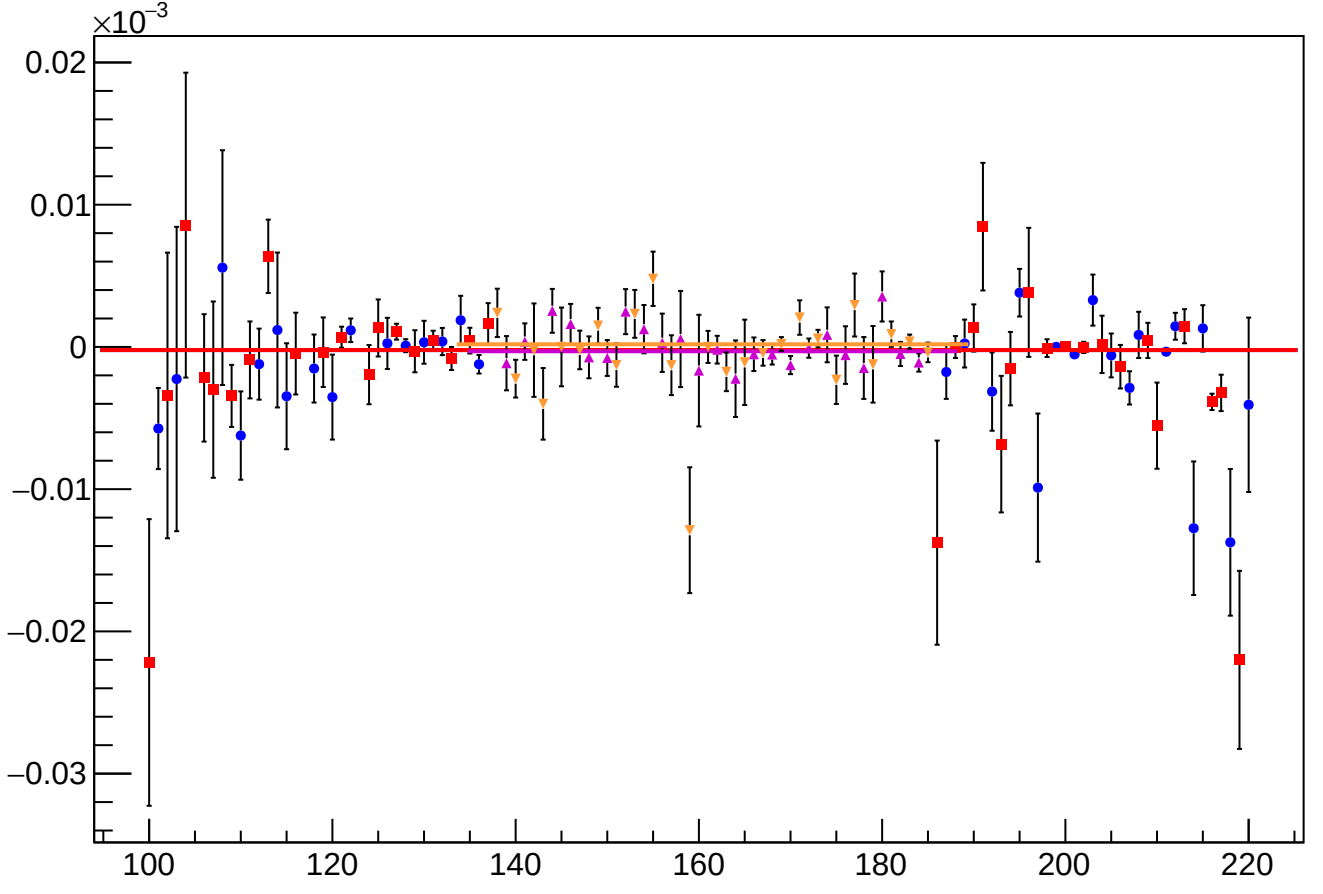
Right Out: 40.881+/-0.007 χ^2/NDF: 4359085.3/36

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 35.535+/-0.005 χ^2/NDF: 6489647.0/57

All: 35.639+/-0.003 χ^2/NDF: 12094892.2/117

- sign 35.746+/-0.005 χ^2/NDF: 5604160.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 59.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

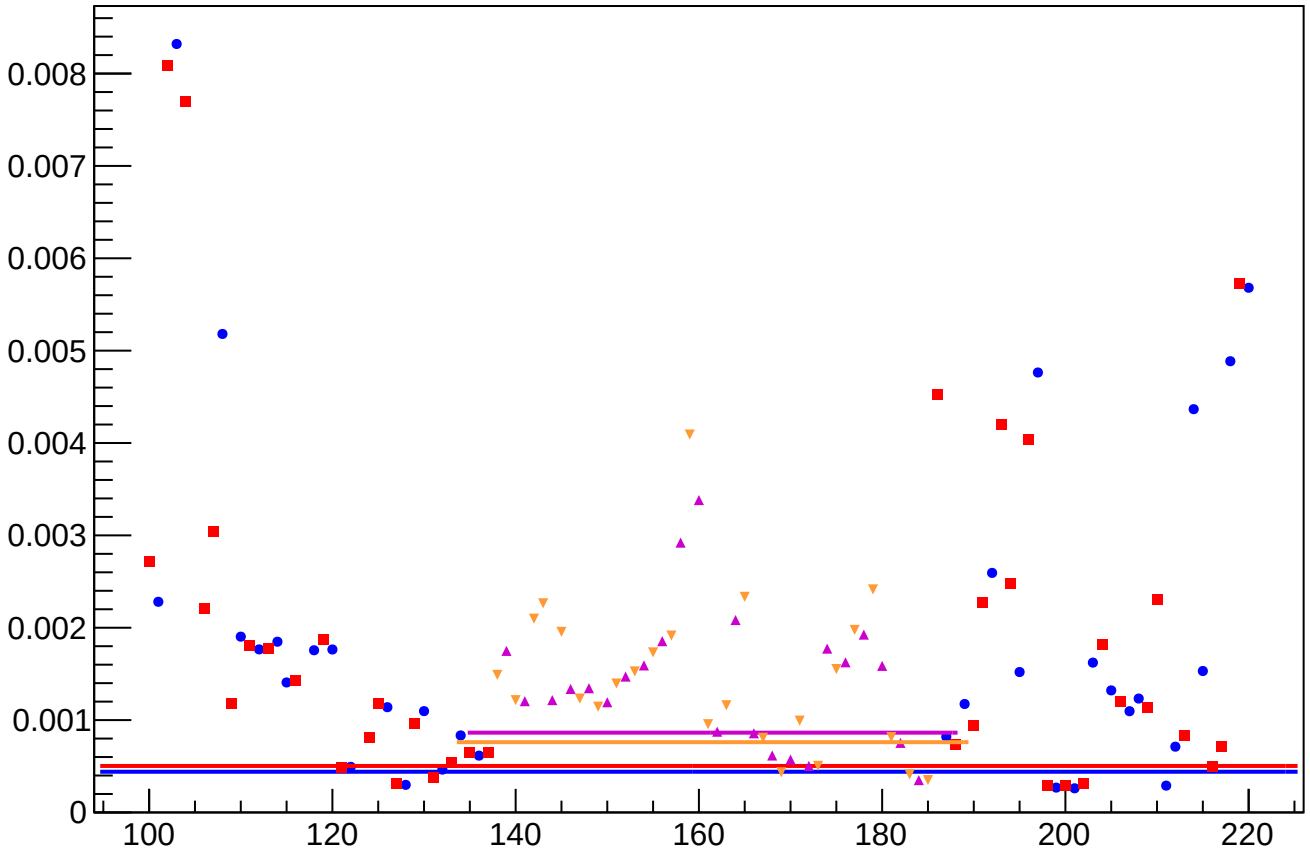
Right Out: -0.000+/-0.000 χ^2/NDF: 102.7/36

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 99.1/57

All: -0.000+/-0.000 χ^2/NDF: 222.8/117

- sign -0.000+/-0.000 χ^2/NDF: 123.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 19795340.1/32

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

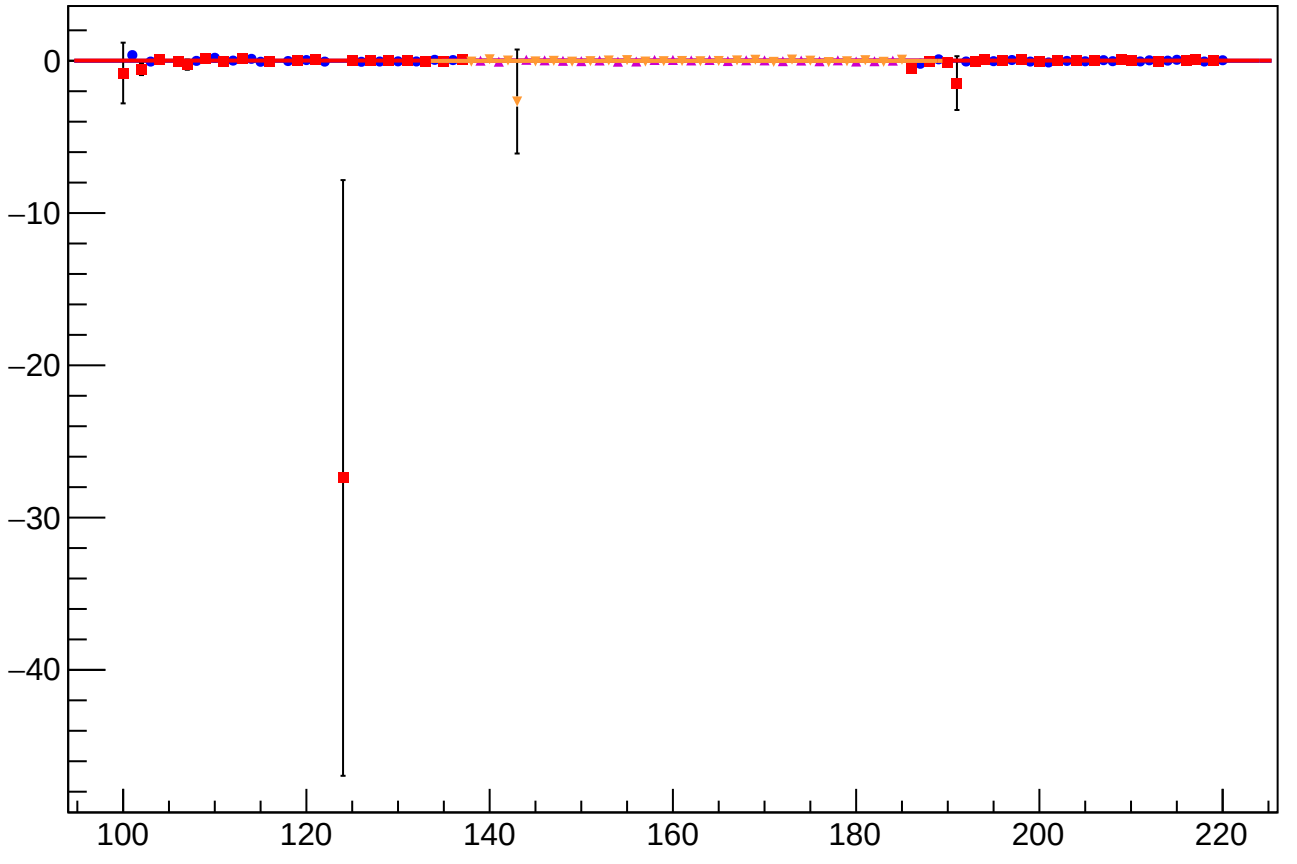
Right Out: 0.001+/-0.000 χ^2/NDF: 16190110.7/36

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

\+ sign 0.001+/-0.000 χ^2/NDF: 34020126.4/57

All: 0.001+/-0.000 χ^2/NDF: 62146755.4/117

\- sign 0.001+/-0.000 χ^2/NDF: 27784470.3/59



Right In: -0.001+/-0.010 χ^2/NDF: 33.7/32

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.013+/-0.010 χ^2/NDF: 30.1/36

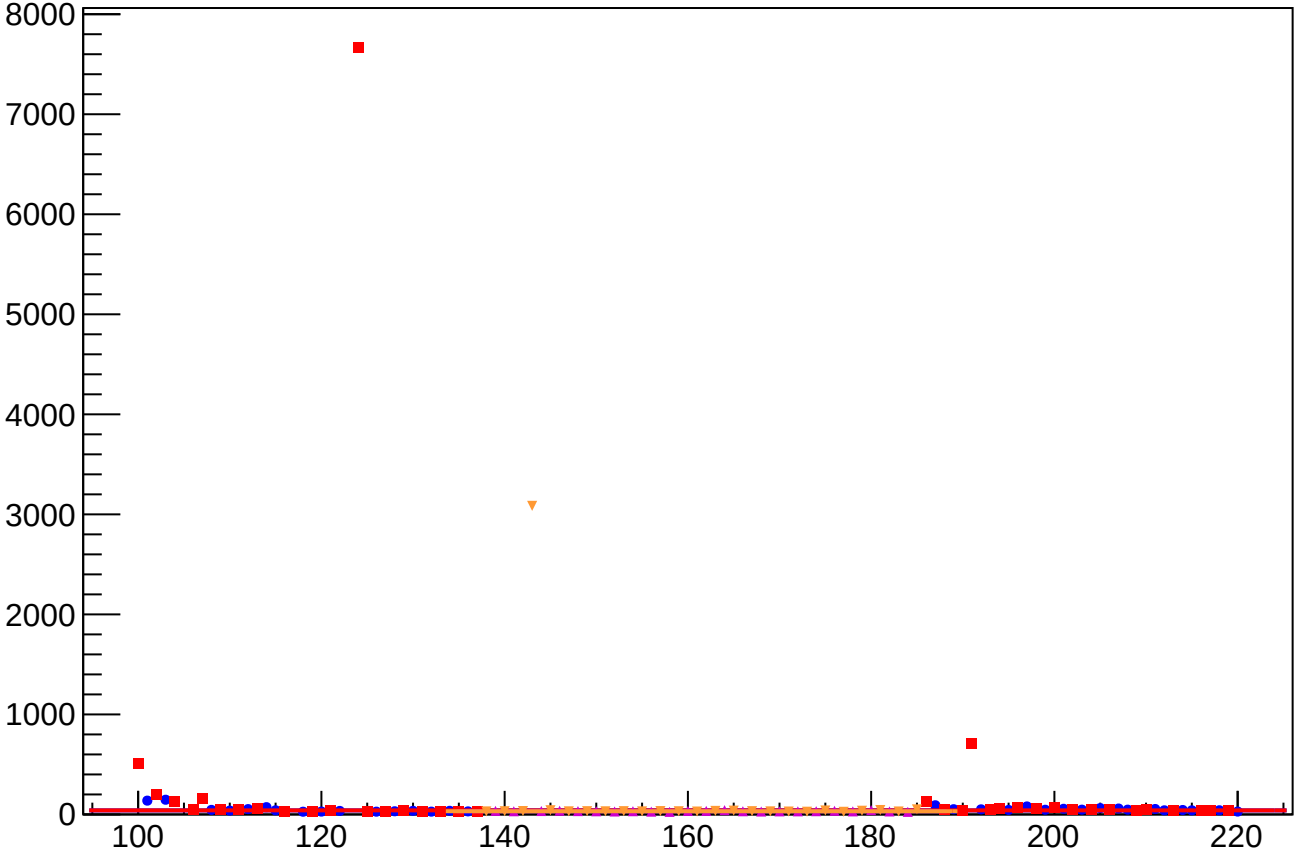
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.006+/-0.006 χ^2/NDF: 73.7/57

All: 0.000+/-0.005 χ^2/NDF: 127.3/117

- sign 0.007+/-0.006 χ^2/NDF: 51.4/59

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 40.379+/-0.007 χ^2/NDF: 3589666.4/32

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

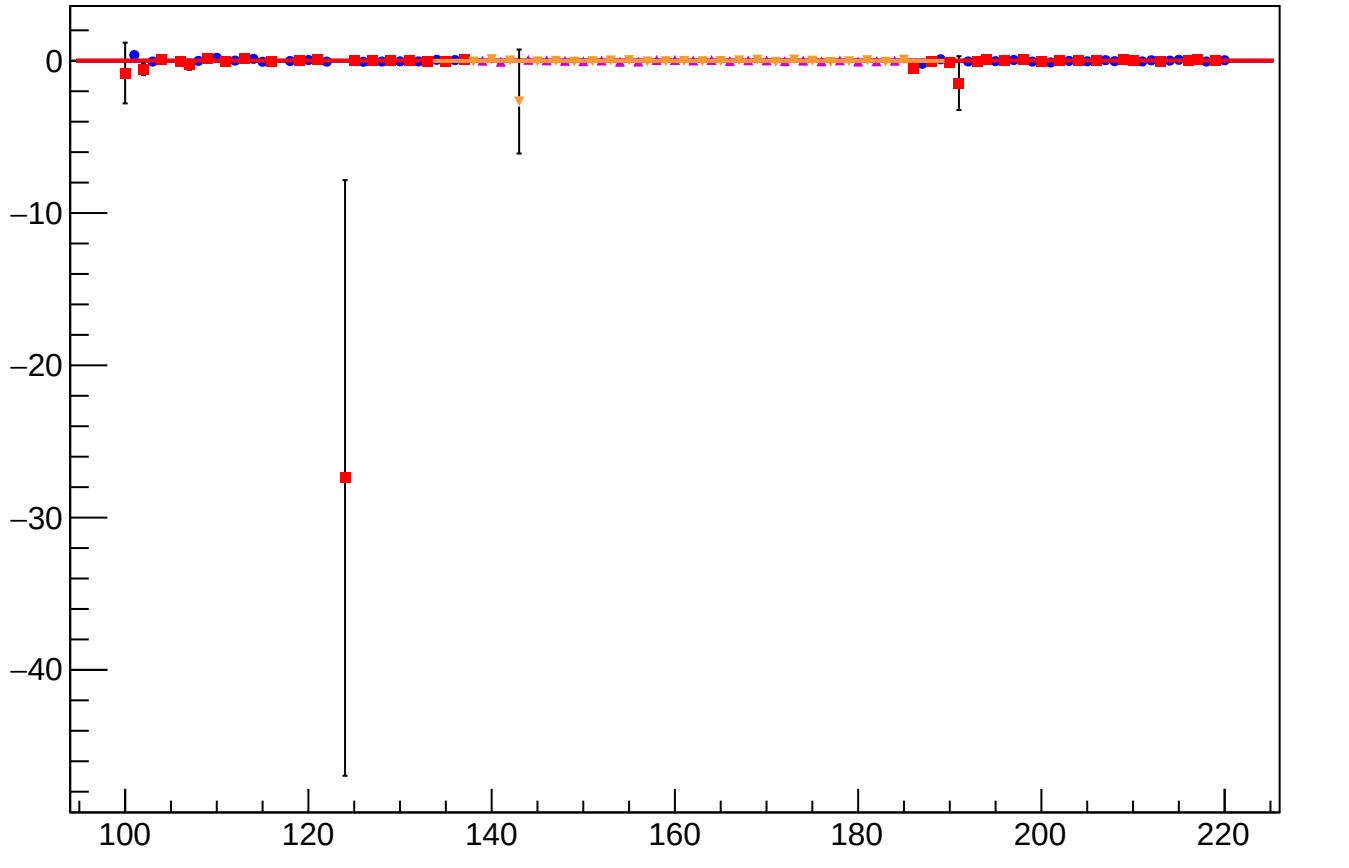
Right Out: 40.880+/-0.007 χ^2/NDF: 4359100.5/36

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.535+/-0.005 χ^2/NDF: 6489632.5/57

All: 35.639+/-0.003 χ^2/NDF: 12094741.5/117

- sign 35.746+/-0.005 χ^2/NDF: 5604023.5/59



Right In: -0.001+/-0.010 χ^2/NDF: 33.7/32

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.013+/-0.010 χ^2/NDF: 30.1/36

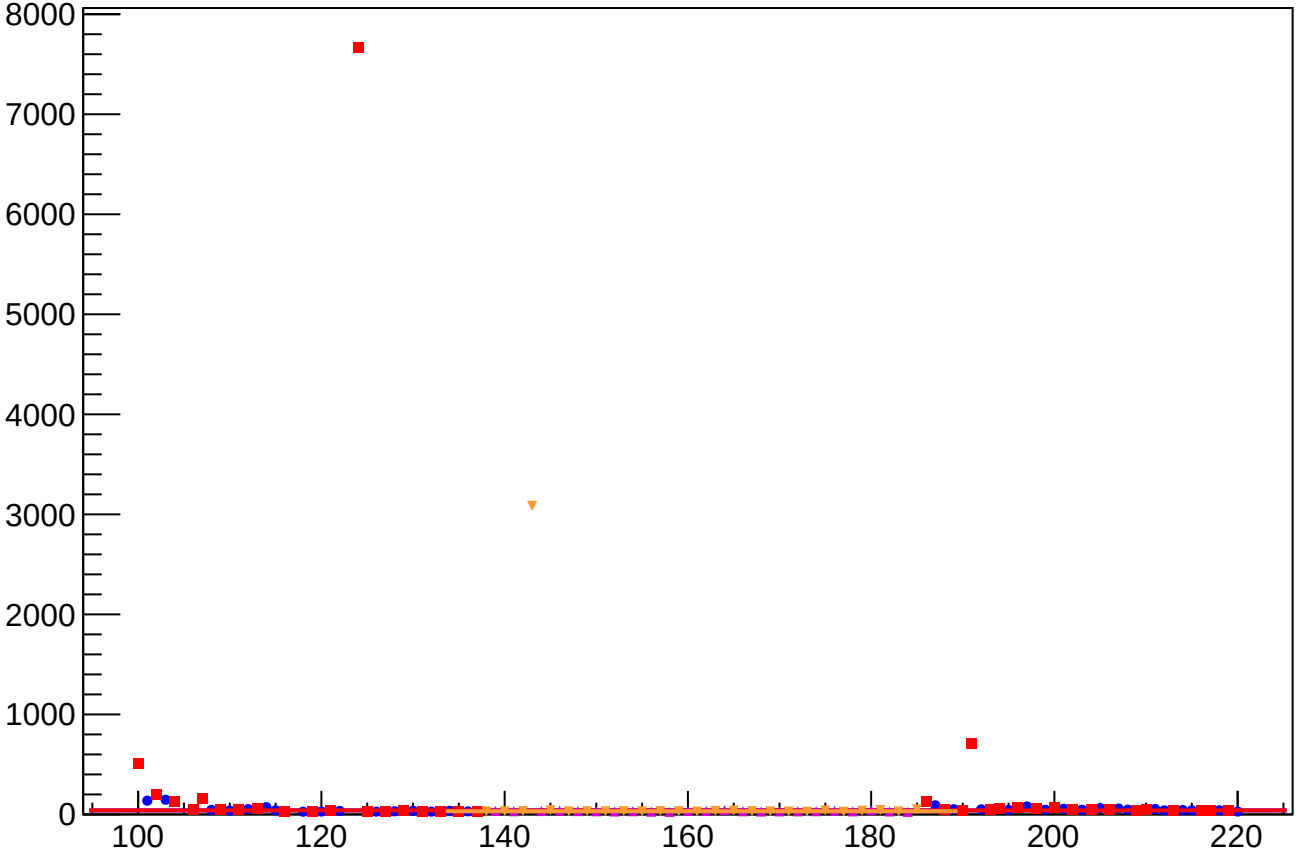
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.006+/-0.006 χ^2/NDF: 73.7/57

All: 0.000+/-0.005 χ^2/NDF: 127.3/117

- sign 0.007+/-0.006 χ^2/NDF: 51.4/59

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.379+/-0.007 χ^2/NDF: 3589666.4/32

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

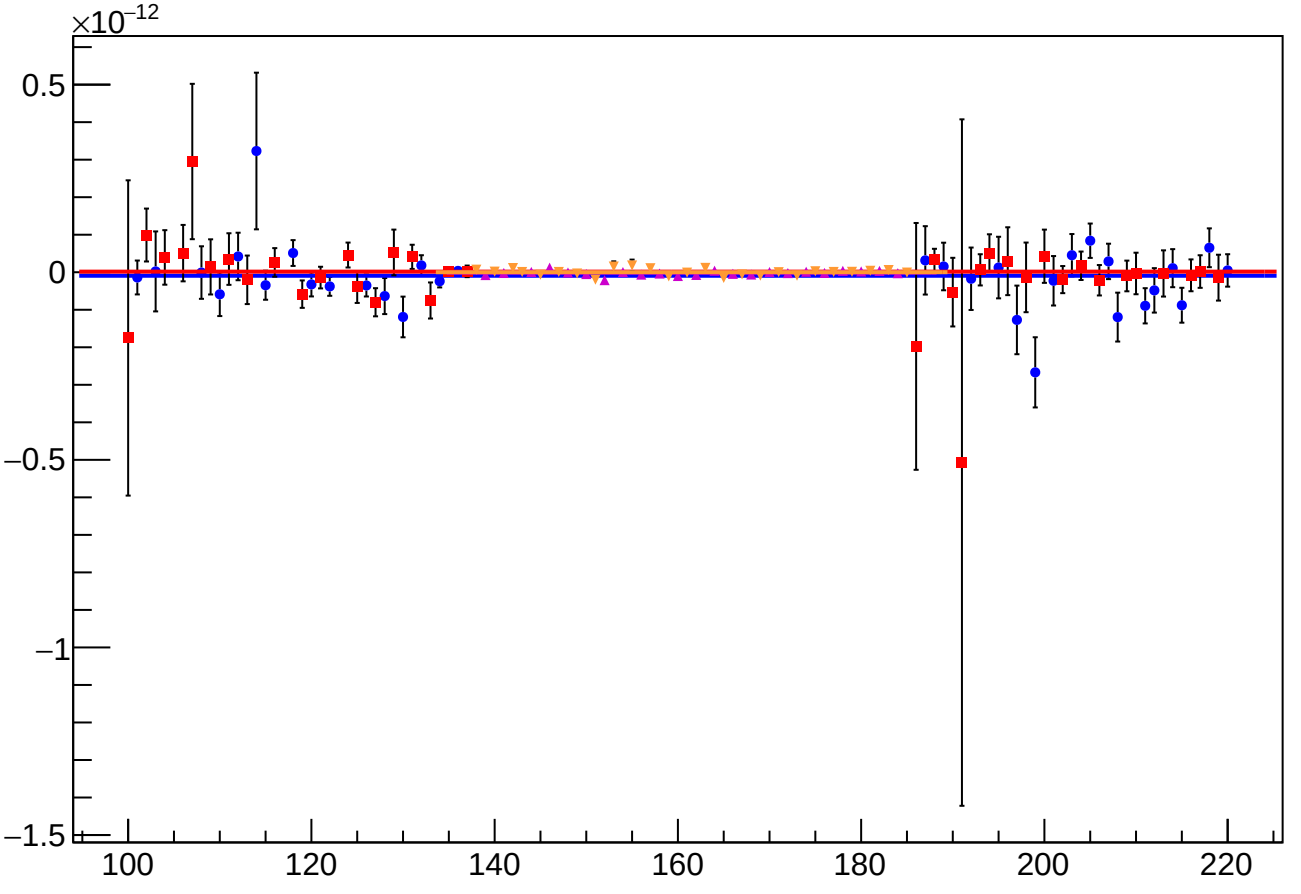
Right Out: 40.880+/-0.007 χ^2/NDF: 4359100.5/36

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 35.535+/-0.005 χ^2/NDF: 6489632.5/57

All: 35.639+/-0.003 χ^2/NDF: 12094741.5/117

- sign 35.746+/-0.005 χ^2/NDF: 5604023.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 46.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/36

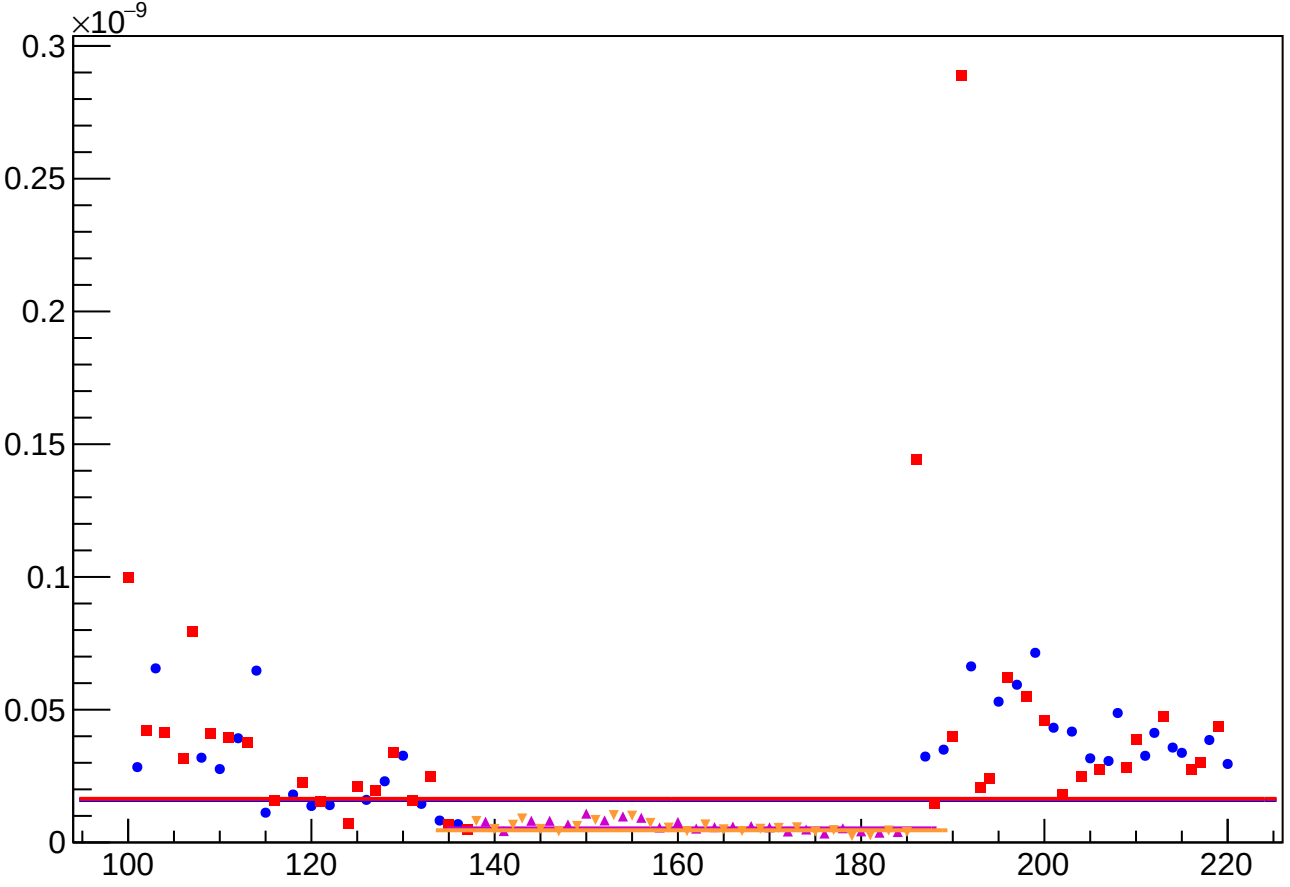
Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.7/57

All: -0.000+/-0.000 χ^2/NDF: 104.5/117

- sign -0.000+/-0.000 χ^2/NDF: 34.8/59

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9887974.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8312119.3/36

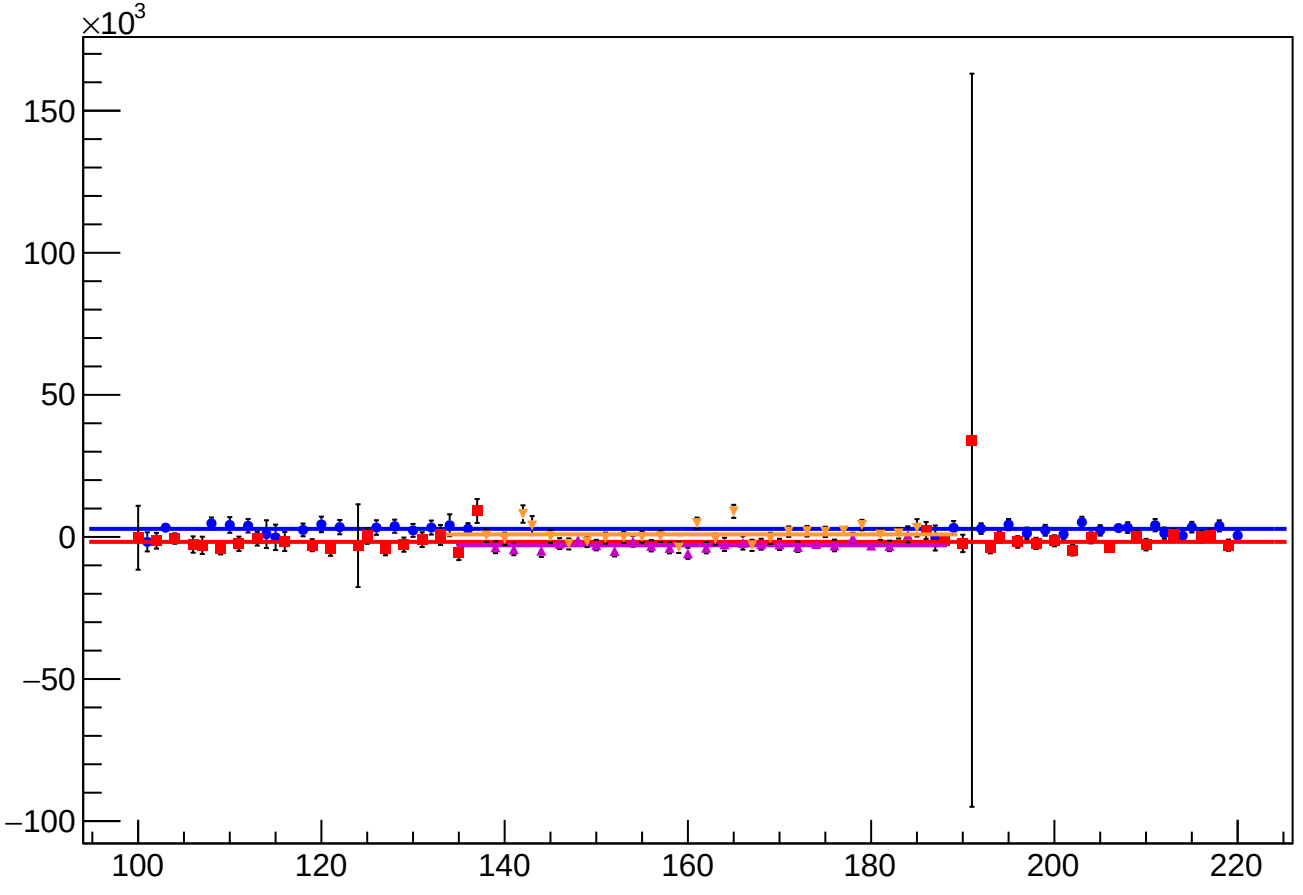
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 19919101.3/57

All: 0.000+/-0.000 χ^2/NDF: 36808896.3/117

- sign 0.000+/-0.000 χ^2/NDF: 16623130.2/59

reg_asym_at2_avg_mean vs Slug



Right In: 2841.358+/-383.590 χ^2/NDF: 13.2/32

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -1732.934+/-384.645 χ^2/NDF: 27.7/36

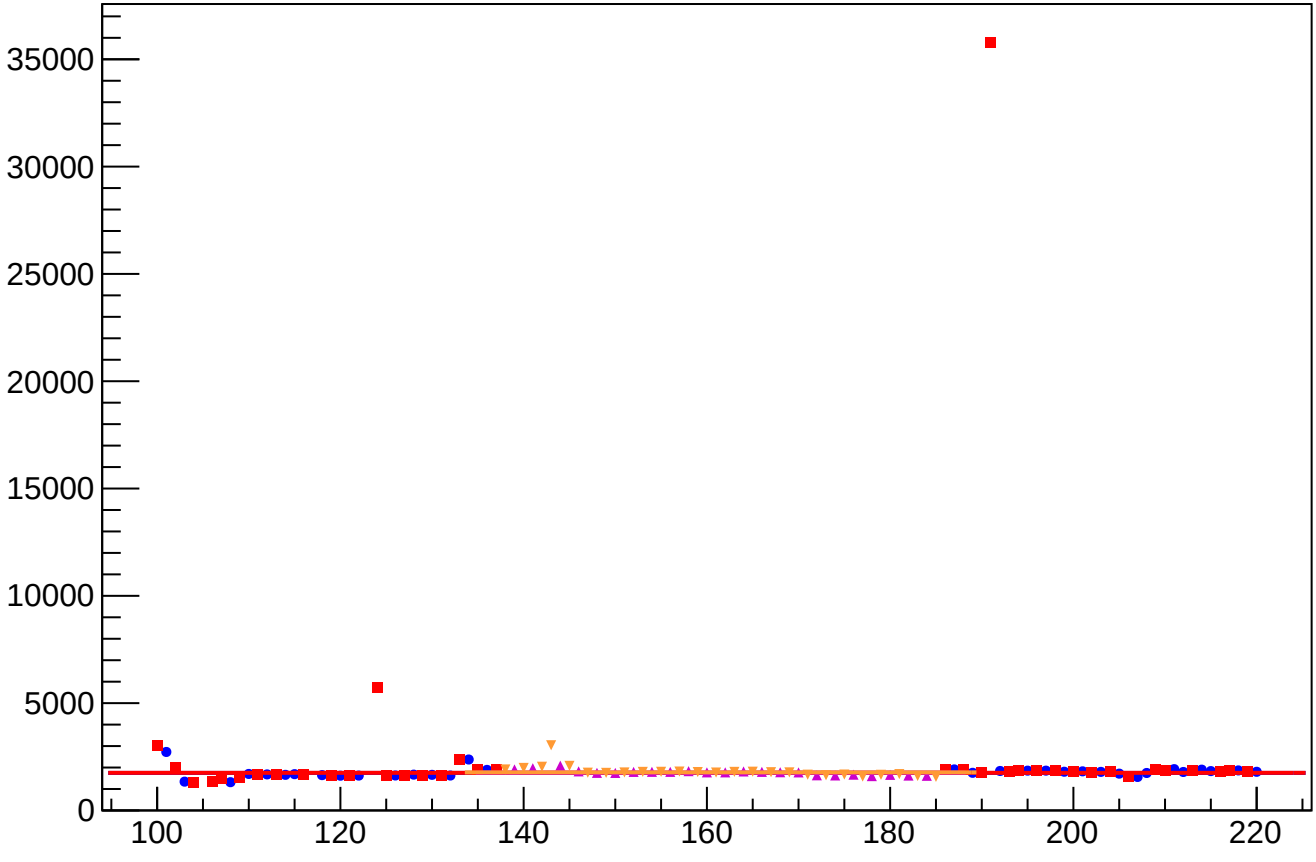
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1924.129+/-278.676 χ^2/NDF: 70.6/57

All: -167.303+/-197.933 χ^2/NDF: 227.0/117

- sign -2296.497+/-281.181 χ^2/NDF: 42.8/59

reg_asym_at2_avg_rms vs Slug



Right In: 1747.874+/-0.271 χ^2/NDF: 542012.7/32

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1753.250+/-0.272 χ^2/NDF: 737681.2/36

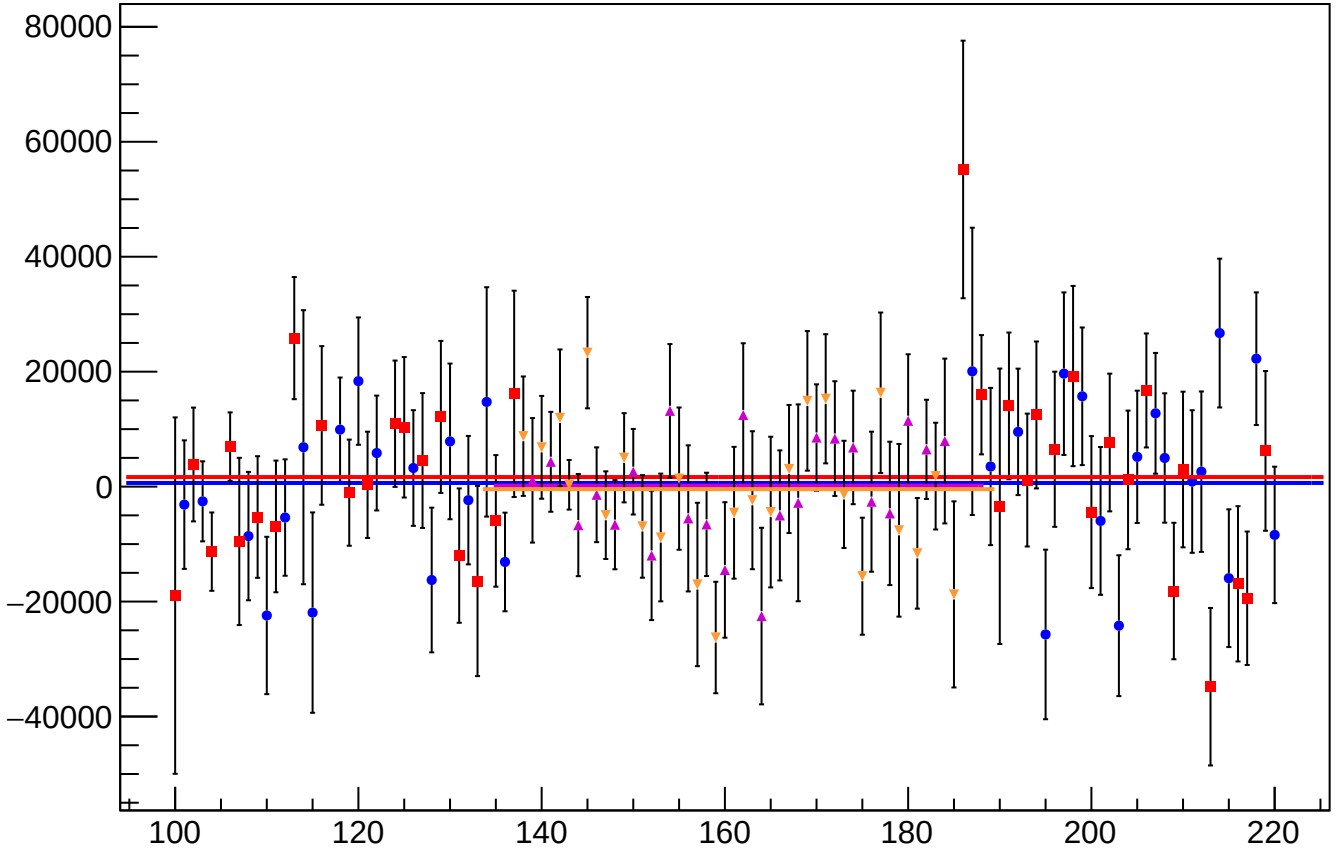
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1760.556+/-0.197 χ^2/NDF: 993537.9/57

All: 1758.744+/-0.140 χ^2/NDF: 1878043.0/11

- sign 1756.900+/-0.199 χ^2/NDF: 884334.5/59

asym_at2_avg_reg_correction_mean vs Slug



Right In: 635.165+/-2036.992 χ^2/NDF: 39.1/32

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 1667.094+/-1898.852 χ^2/NDF: 46.4/36

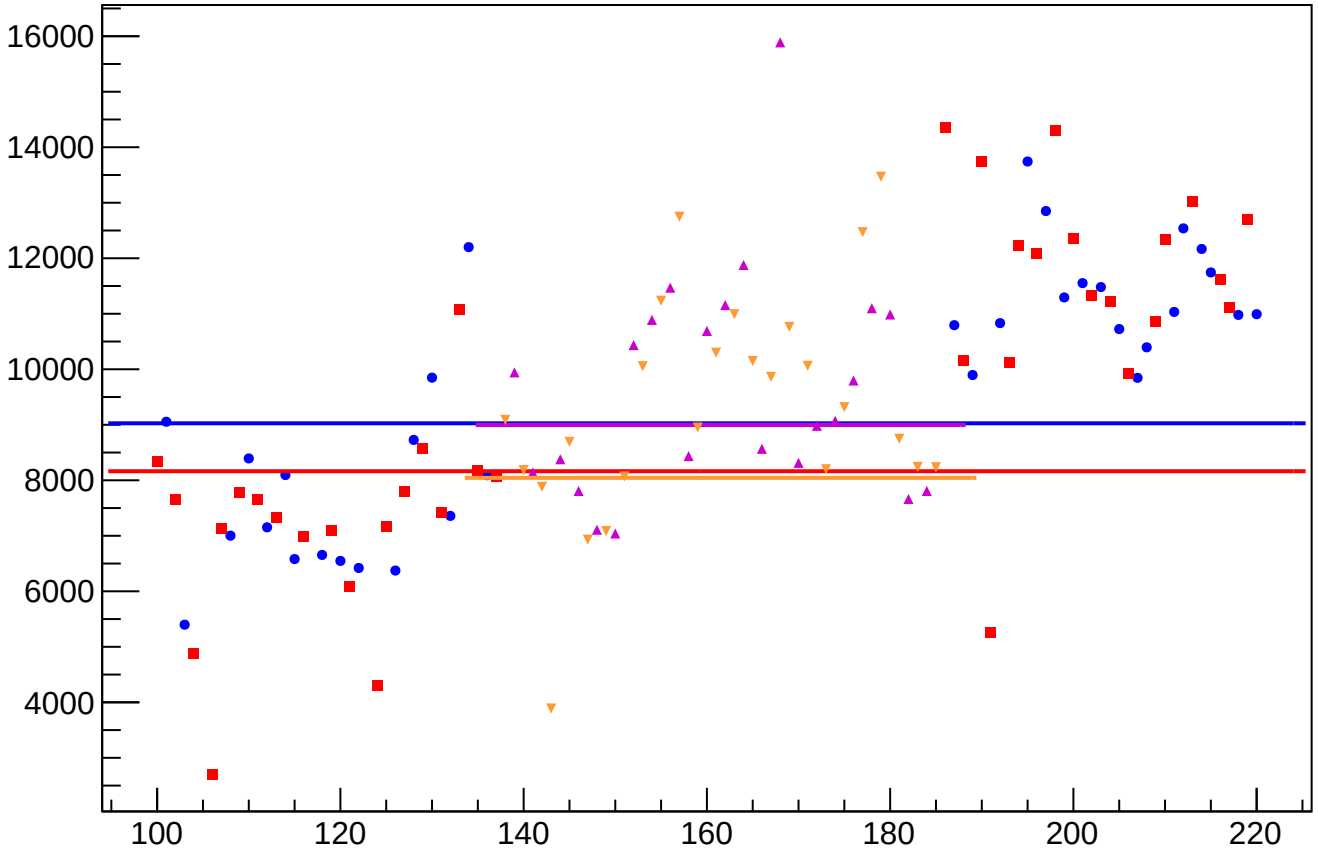
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign 65.617+/-1399.329 χ^2/NDF: 68.7/57

All: 526.667+/-997.169 χ^2/NDF: 129.4/117

- sign 1002.341+/-1421.348 χ^2/NDF: 60.5/59

asym_at2_avg_reg_correction_rms vs Slug



Right In: 9026.666+/-1.440 χ^2/NDF: 2611789.1/32

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 8163.324+/-1.343 χ^2/NDF: 5371081.0/36

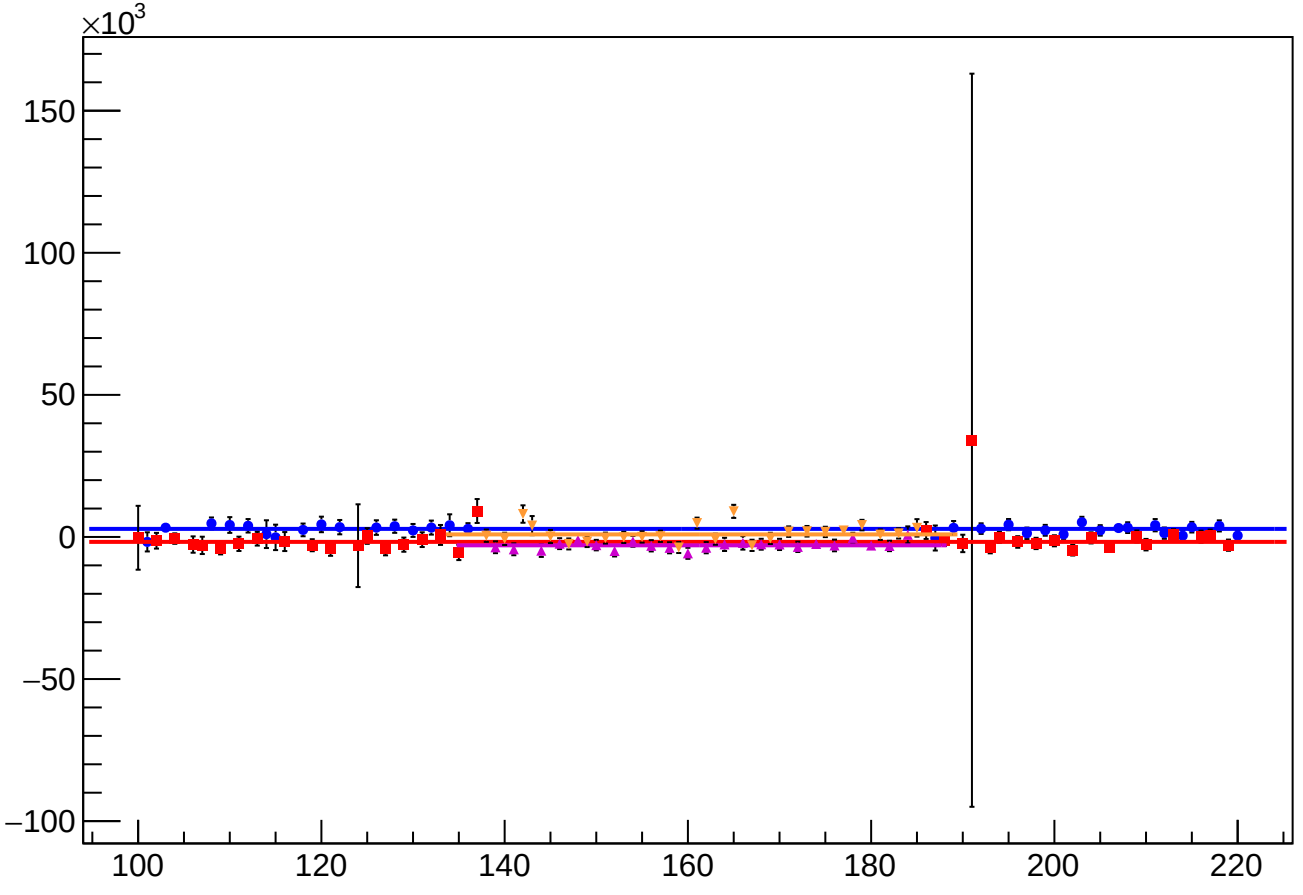
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 8507.644+/-0.989 χ^2/NDF: 6220503.6/57

All: 8518.297+/-0.705 χ^2/NDF: 12967907.7/1

- sign 8529.288+/-1.005 χ^2/NDF: 6747168.6/59

cor_asym_at2_avg_mean vs Slug



Right In: 2841.374+/-383.590 χ^2/NDF: 13.2/32

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1732.907+/-384.645 χ^2/NDF: 27.7/36

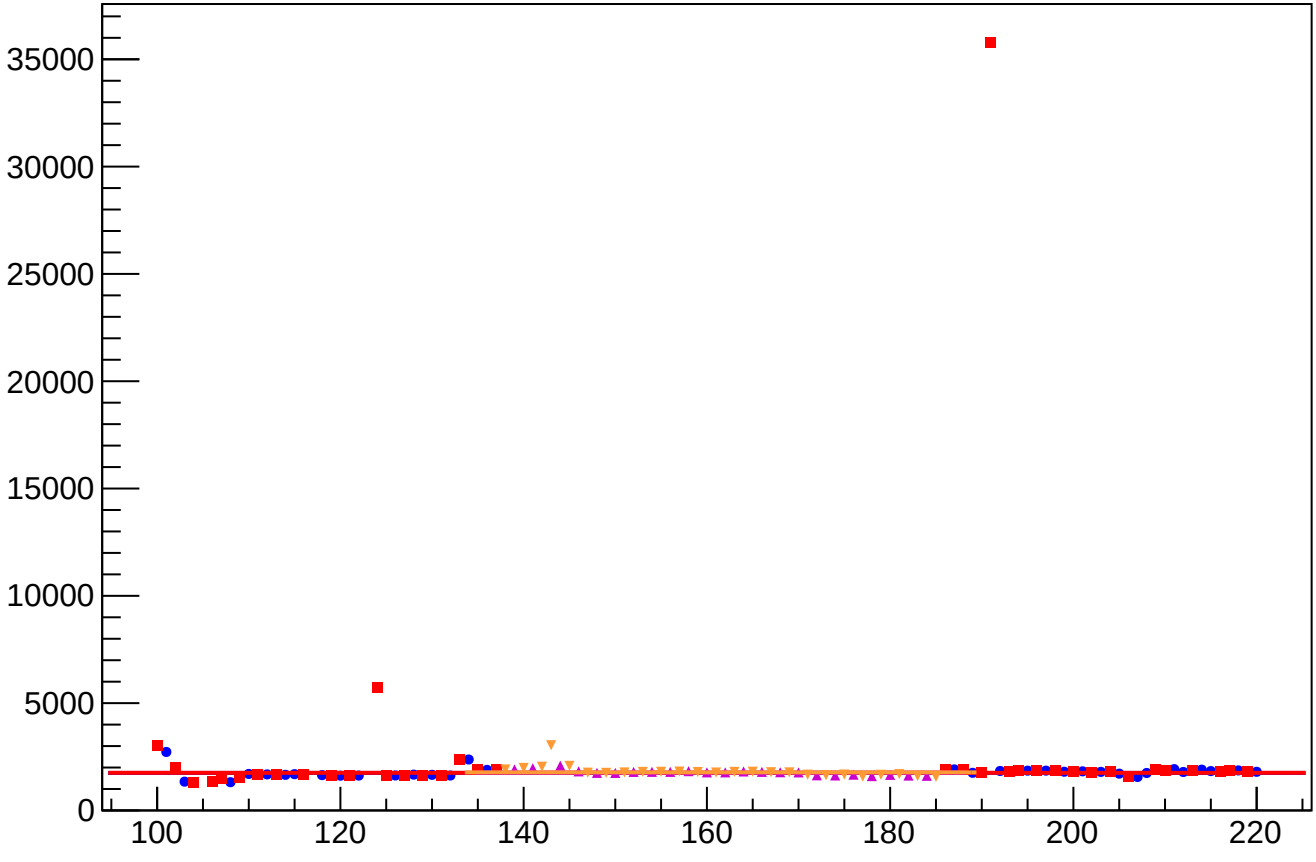
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1924.100+/-278.676 χ^2/NDF: 70.6/57

All: -167.284+/-197.933 χ^2/NDF: 227.0/117

- sign -2296.430+/-281.181 χ^2/NDF: 42.8/59

cor_asym_at2_avg_rms vs Slug



Right In: 1747.874+/-0.271 χ^2/NDF: 542013.2/32

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1753.250+/-0.272 χ^2/NDF: 737681.5/36

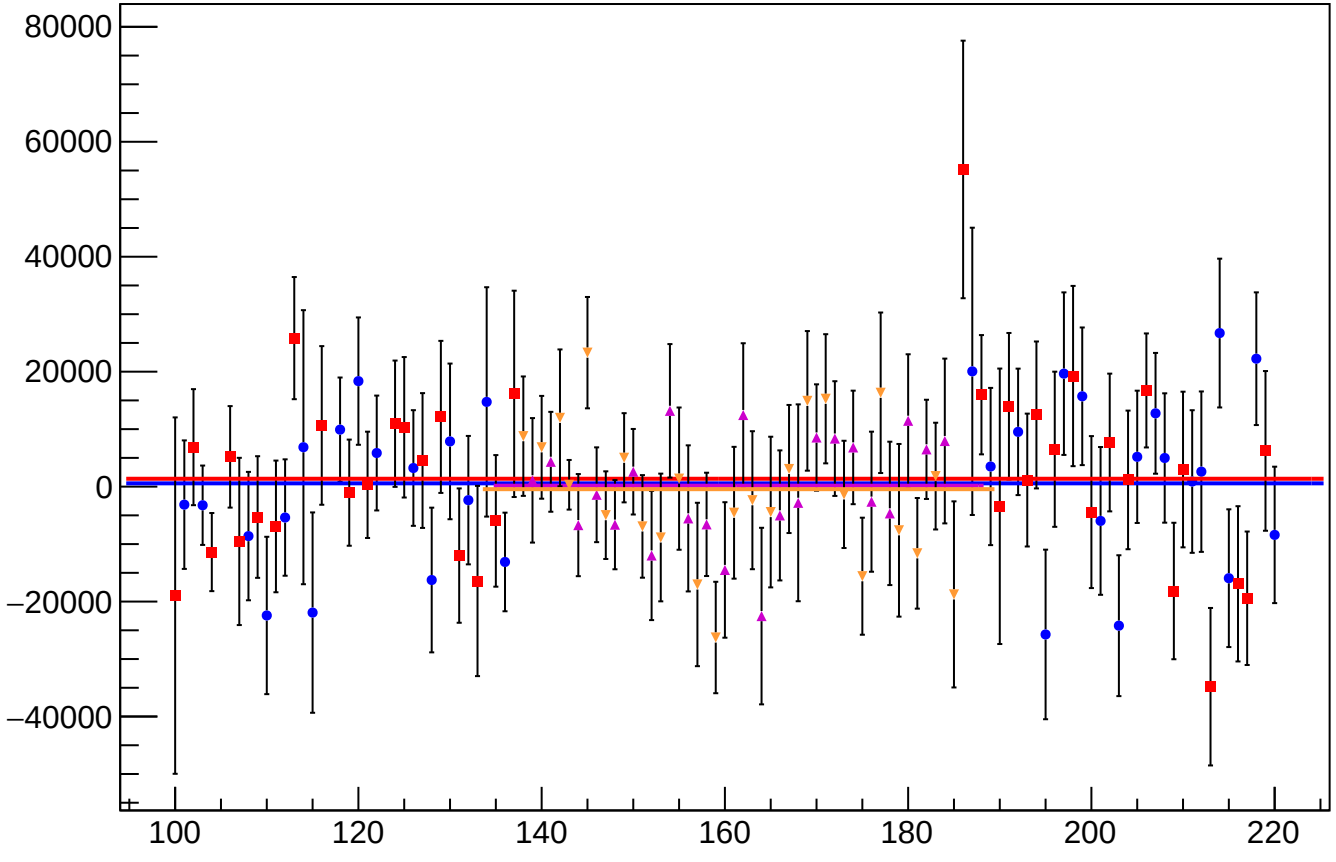
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1760.556+/-0.197 χ^2/NDF: 993538.4/57

All: 1758.744+/-0.140 χ^2/NDF: 1878043.7/11

- sign 1756.900+/-0.199 χ^2/NDF: 884334.7/59

asym_at2_avg_cor_correction_mean vs Slug



Right In: 571.395+/-2035.490 χ^2/NDF: 39.2/32

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 1368.392+/-1954.366 χ^2/NDF: 46.0/36

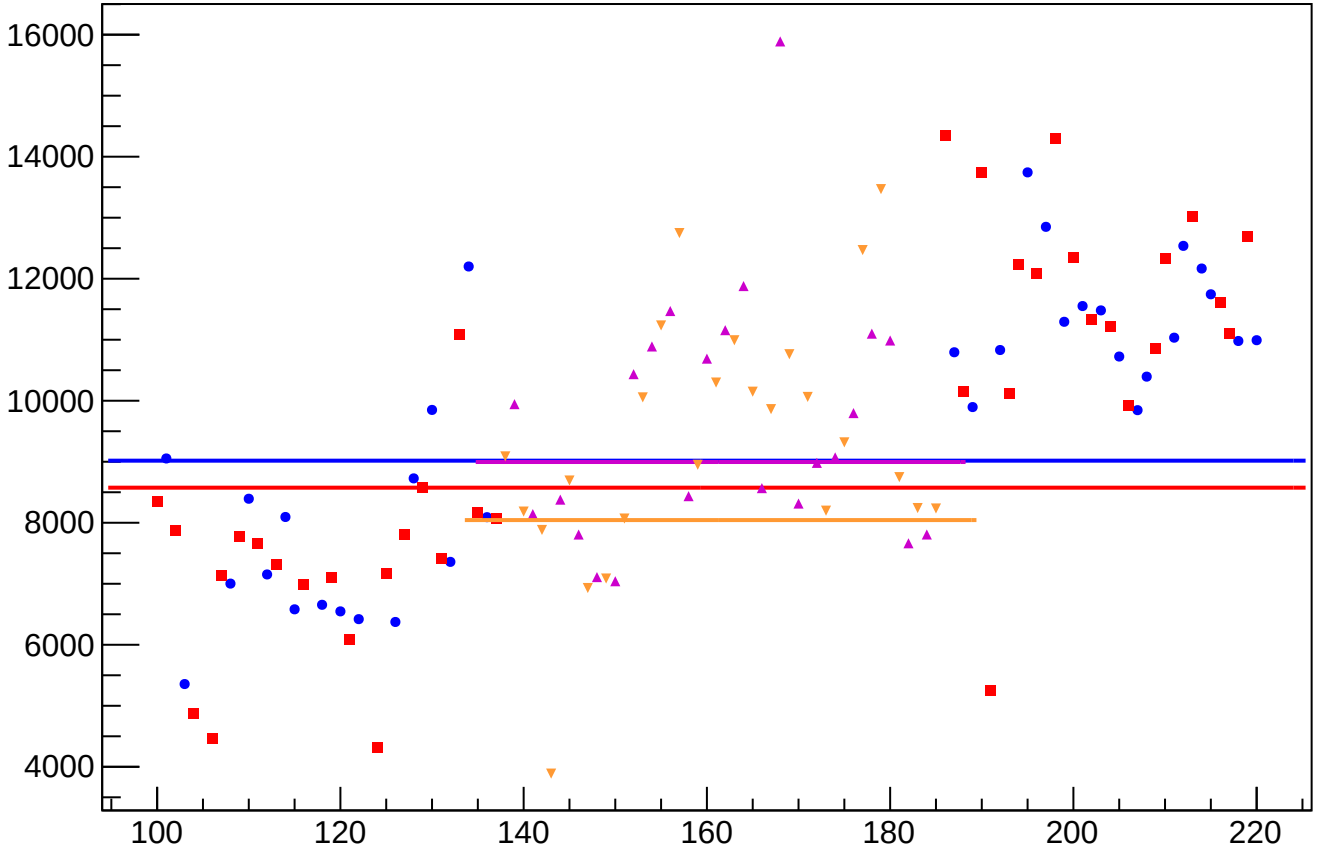
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

\+ sign 35.873+/-1398.841 χ^2/NDF: 68.8/57

All: 414.312+/-1004.779 χ^2/NDF: 128.9/117

\- sign 817.685+/-1444.187 χ^2/NDF: 60.0/59

asym_at2_avg_cor_correction_rms vs Slug



Right In: 9017.634+/-1.439 χ^2/NDF: 2634027.9/32

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

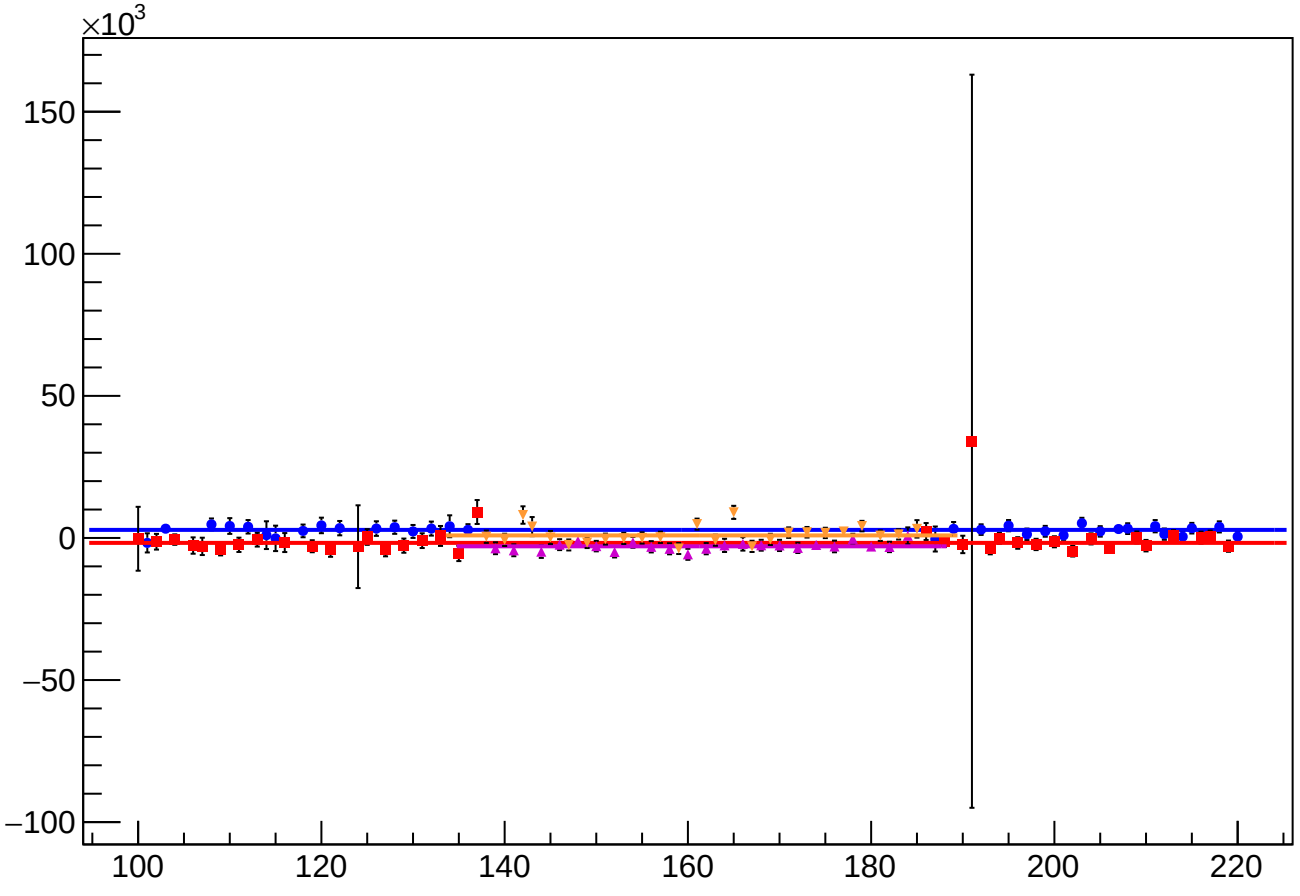
Right Out: 8575.047+/-1.382 χ^2/NDF: 3957206.5/36

Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8503.726+/-0.989 χ^2/NDF: 6238522.1/57

All: 8630.663+/-0.710 χ^2/NDF: 11478934.5/1

- sign 8765.963+/-1.021 χ^2/NDF: 5206389.1/59



Right In: 2841.374+/-383.590 χ^2/NDF: 13.2/32

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -1732.907+/-384.645 χ^2/NDF: 27.7/36

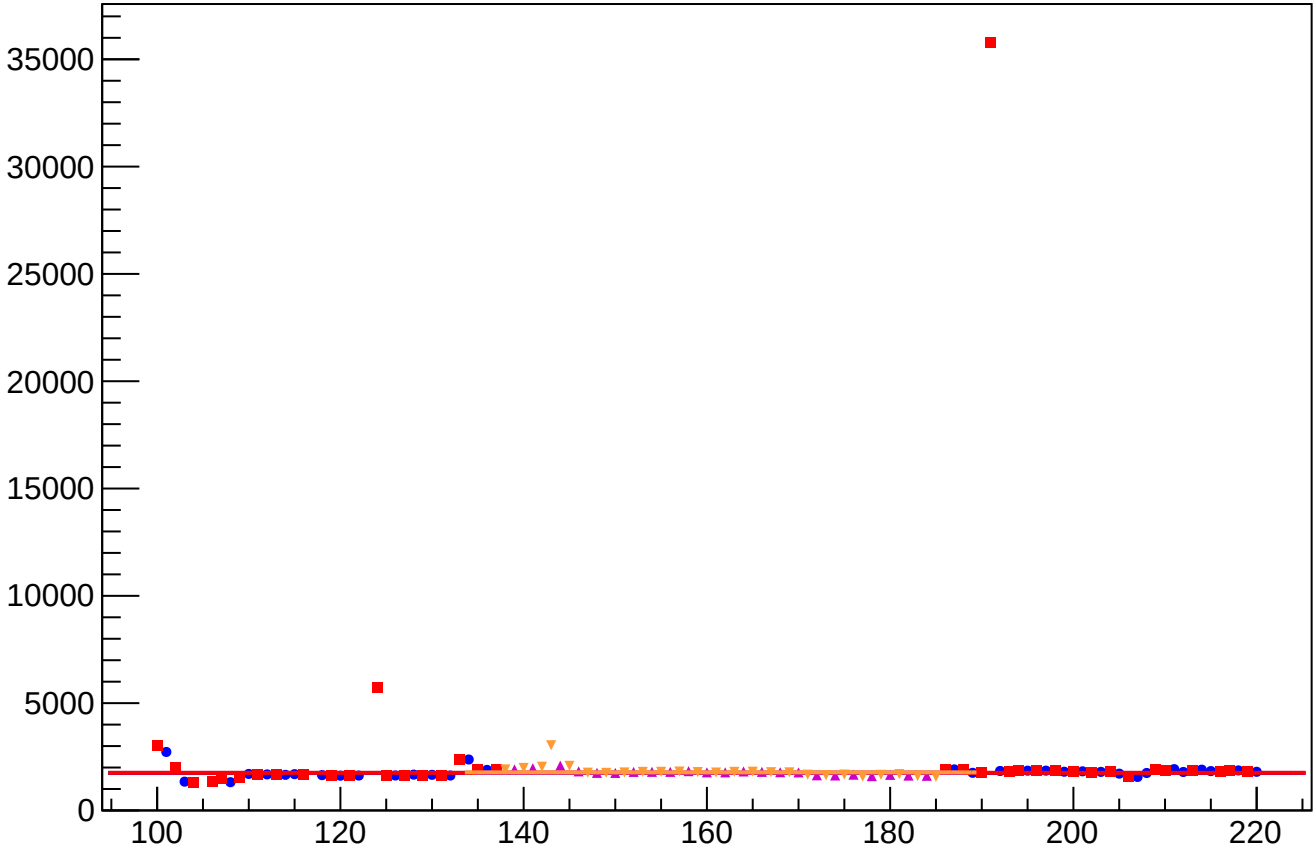
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1924.100+/-278.676 χ^2/NDF: 70.6/57

All: -167.284+/-197.933 χ^2/NDF: 227.0/117

- sign -2296.430+/-281.181 χ^2/NDF: 42.8/59

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1747.874+/-0.271 χ^2/NDF: 542013.2/32

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1753.250+/-0.272 χ^2/NDF: 737681.5/36

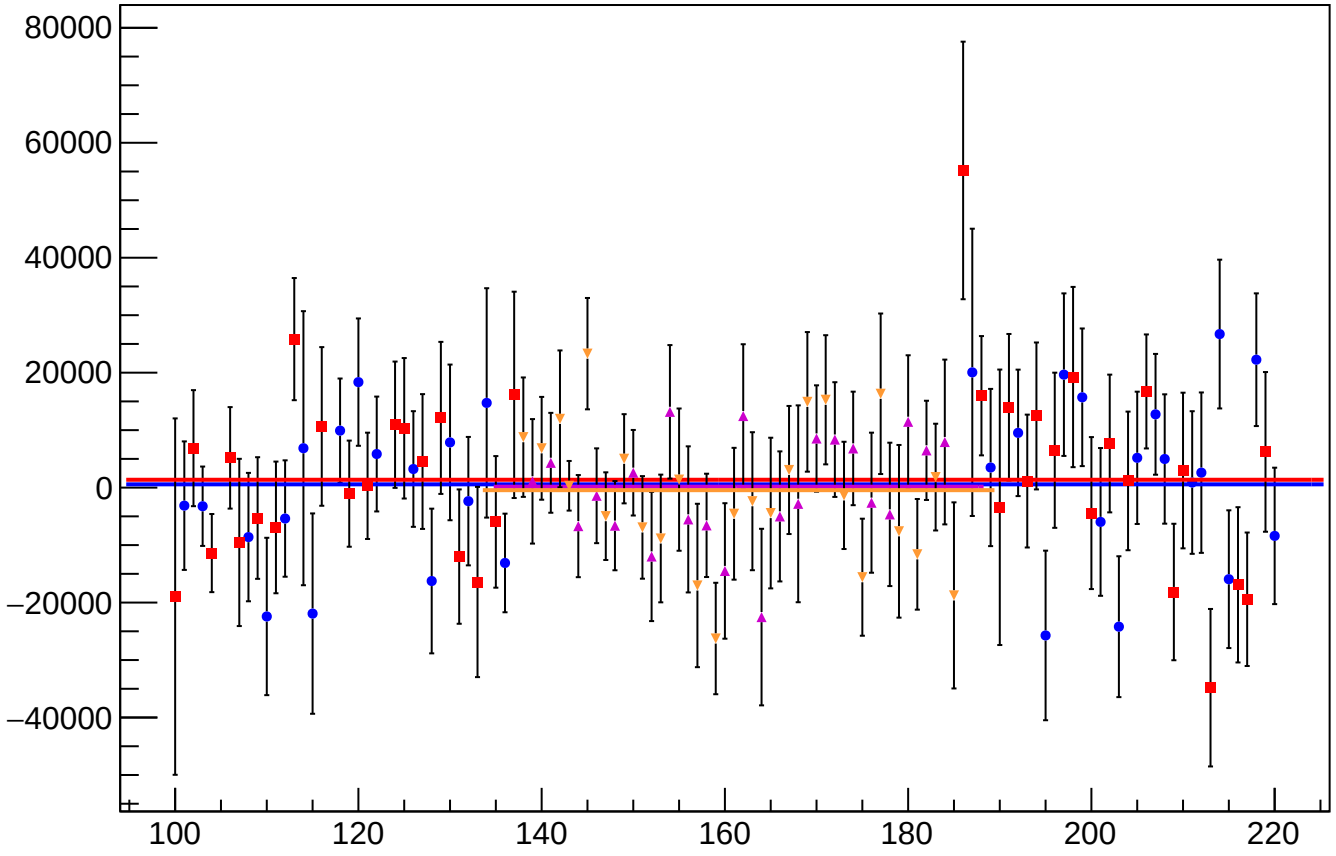
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1760.556+/-0.197 χ^2/NDF: 993538.4/57

All: 1758.744+/-0.140 χ^2/NDF: 1878043.7/11

- sign 1756.900+/-0.199 χ^2/NDF: 884334.7/59

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: 571.395+/-2035.490 χ^2/NDF: 39.2/32

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 1368.392+/-1954.366 χ^2/NDF: 46.0/36

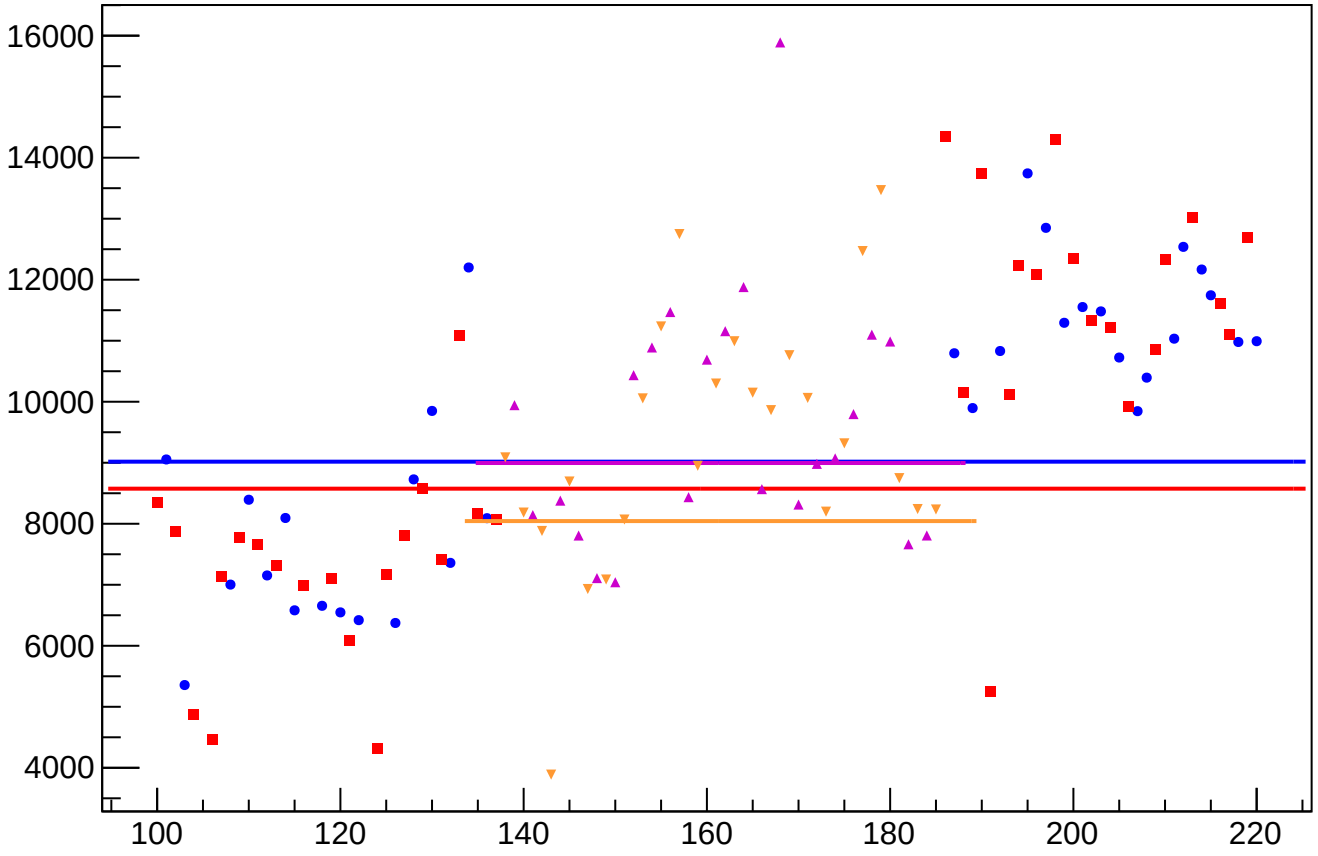
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign 35.873+/-1398.841 χ^2/NDF: 68.8/57

All: 414.312+/-1004.779 χ^2/NDF: 128.9/117

- sign 817.685+/-1444.187 χ^2/NDF: 60.0/59

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 9017.634+/-1.439 χ^2/NDF: 2634027.9/32

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8575.047+/-1.382 χ^2/NDF: 3957206.5/36

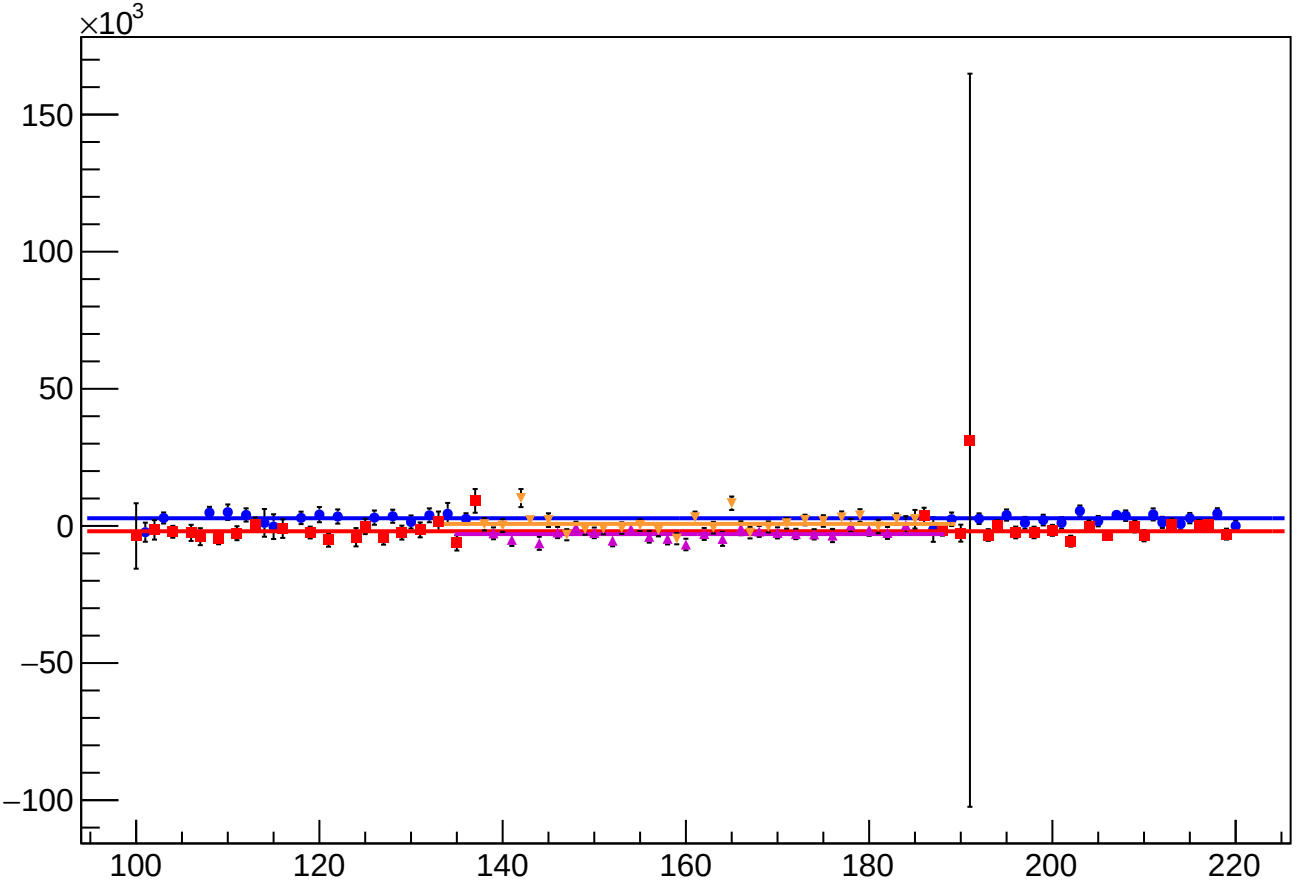
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8503.726+/-0.989 χ^2/NDF: 6238522.1/57

All: 8630.663+/-0.710 χ^2/NDF: 11478934.5/1

- sign 8765.963+/-1.021 χ^2/NDF: 5206389.1/59

dit_asym_at2_avg_mean vs Slug



Right In: 2800.917+/-394.893 χ^2/NDF: 15.7/32

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -1940.557+/-394.824 χ^2/NDF: 32.2/36

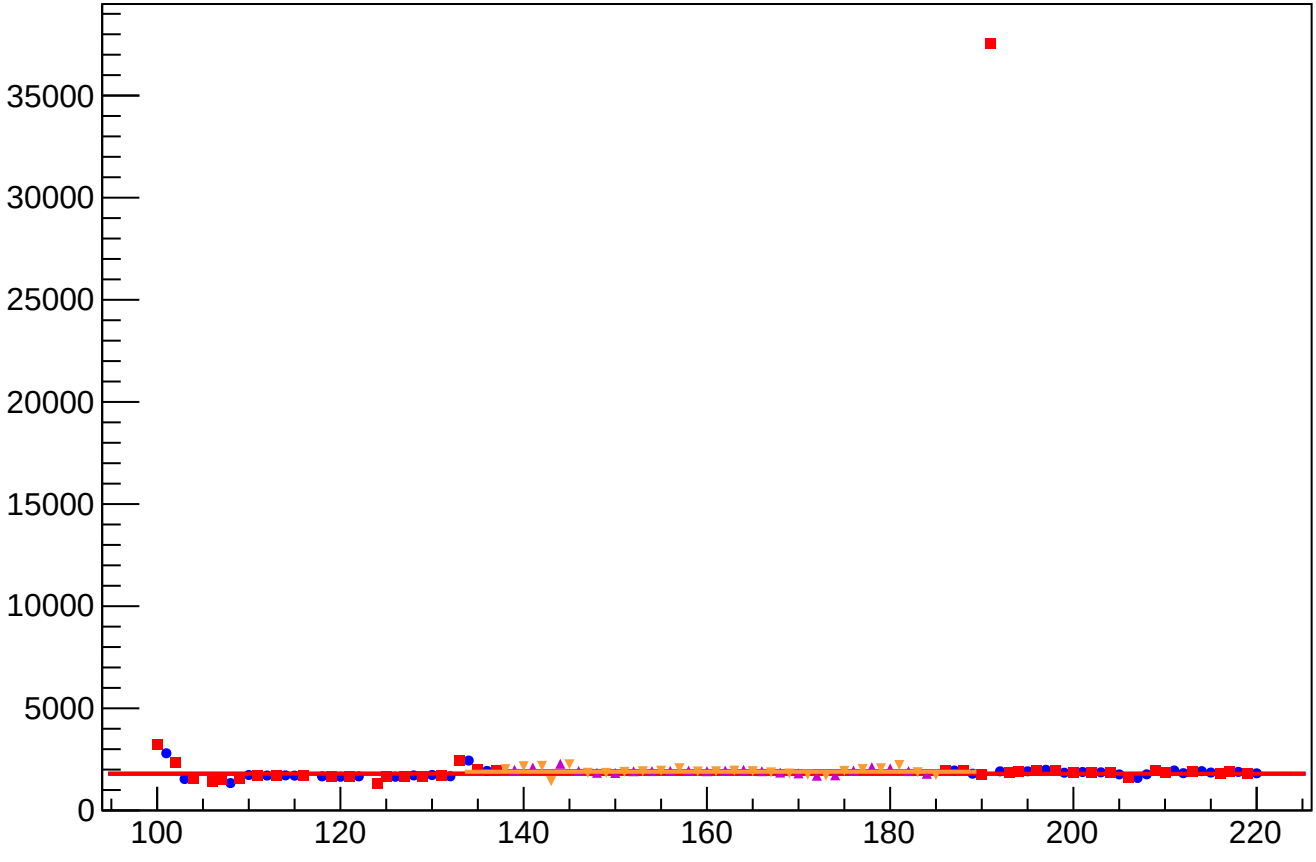
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1864.392+/-291.738 χ^2/NDF: 69.7/57

All: -226.605+/-208.084 χ^2/NDF: 225.1/117

- sign -2391.964+/-296.880 χ^2/NDF: 50.8/59

dit_asym_at2_avg_rms vs Slug



Right In: 1799.979+/-0.279 χ^2/NDF: 484060.7/32

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1798.428+/-0.279 χ^2/NDF: 591603.0/36

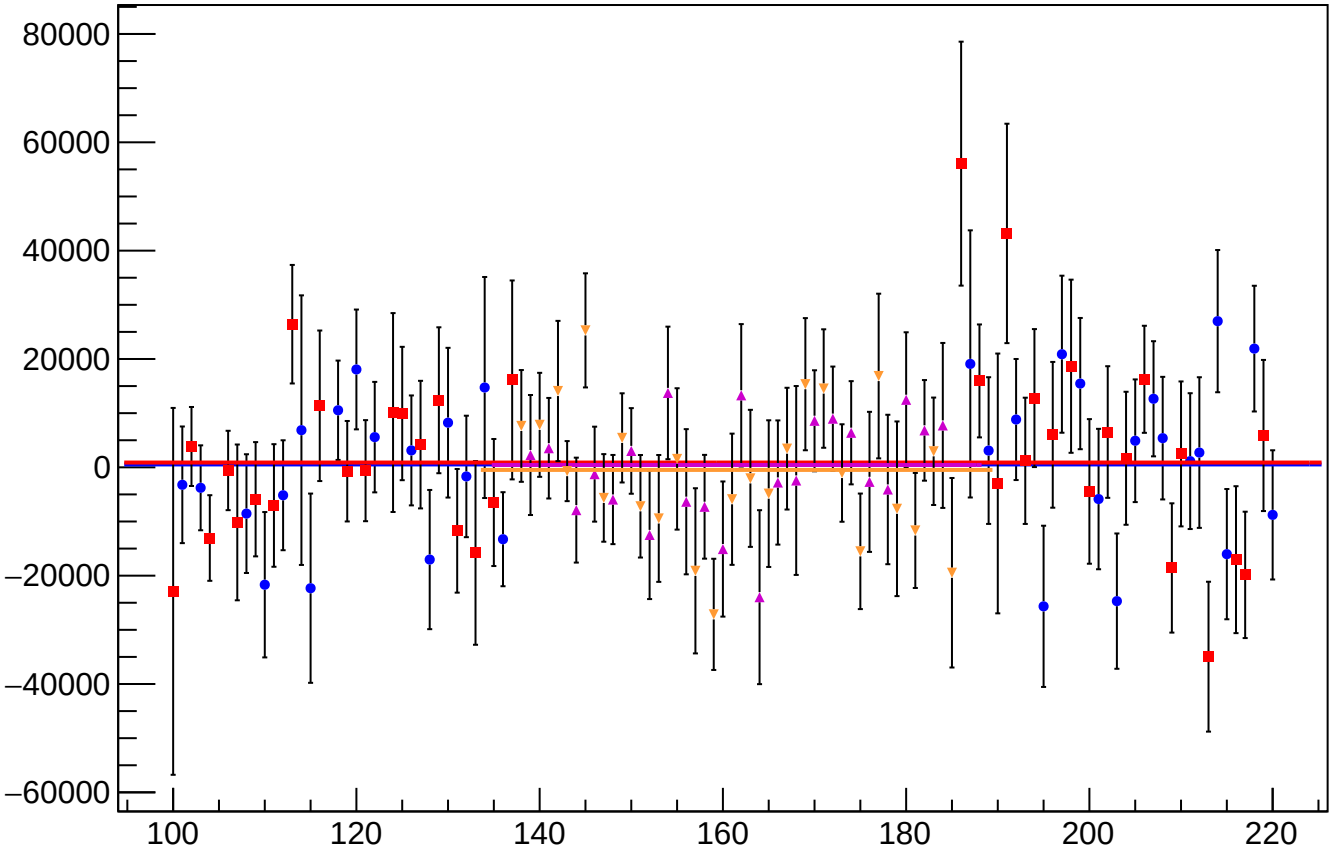
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1842.995+/-0.206 χ^2/NDF: 904896.6/57

All: 1847.702+/-0.147 χ^2/NDF: 1735128.2/11

- sign 1852.575+/-0.210 χ^2/NDF: 829172.0/59

asym_at2_avg_dit_correction_mean vs Slug



Right In: 532.945+/-2065.337 χ^2/NDF: 38.9/32

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 884.684+/-1962.576 χ^2/NDF: 48.2/36

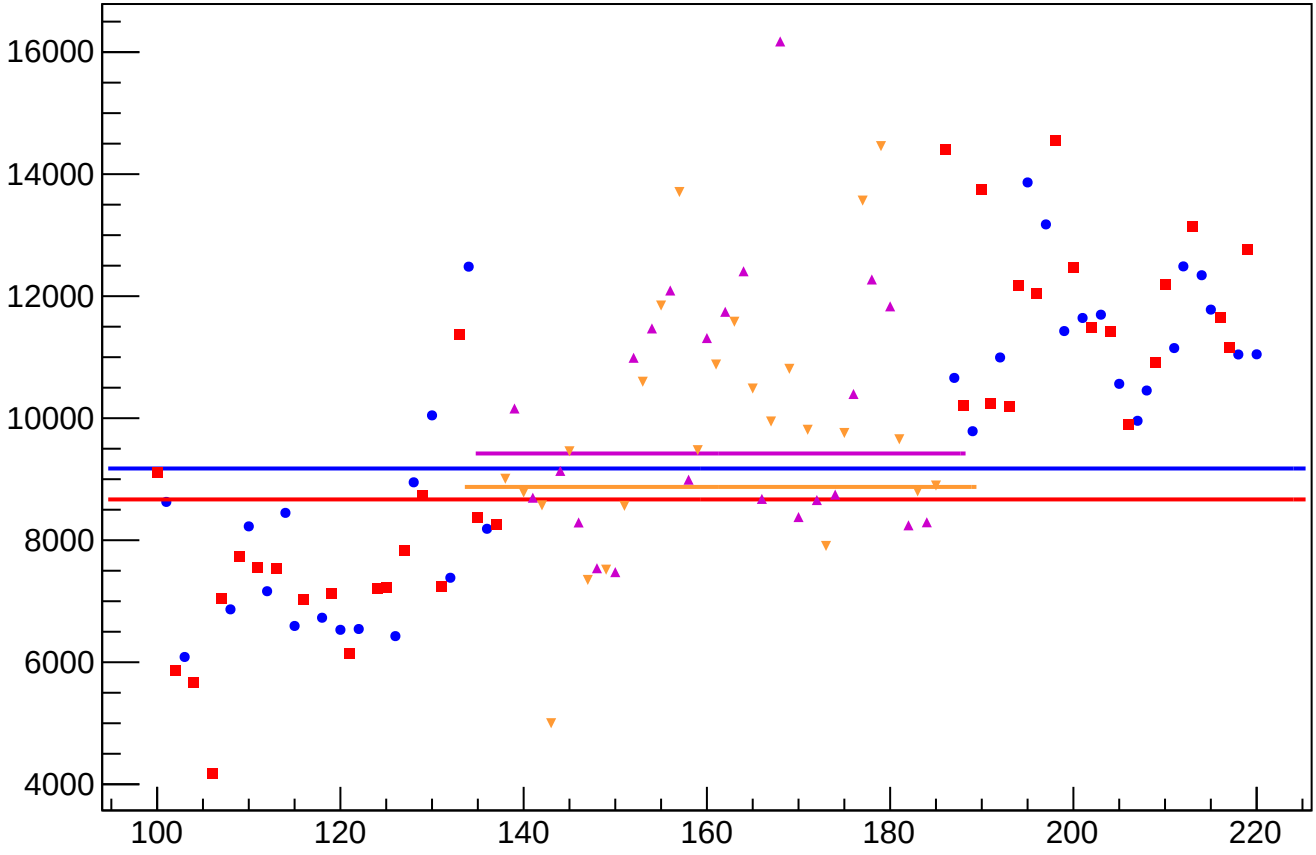
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

+ sign 32.626+/-1468.790 χ^2/NDF: 67.8/57

All: 359.665+/-1041.702 χ^2/NDF: 129.7/117

- sign 690.652+/-1477.627 χ^2/NDF: 61.8/59

asym_at2_avg_dit_correction_rms vs Slug



Right In: 9175.767+/-1.460 χ^2/NDF: 2392132.3/32

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8668.636+/-1.388 χ^2/NDF: 3821519.5/36

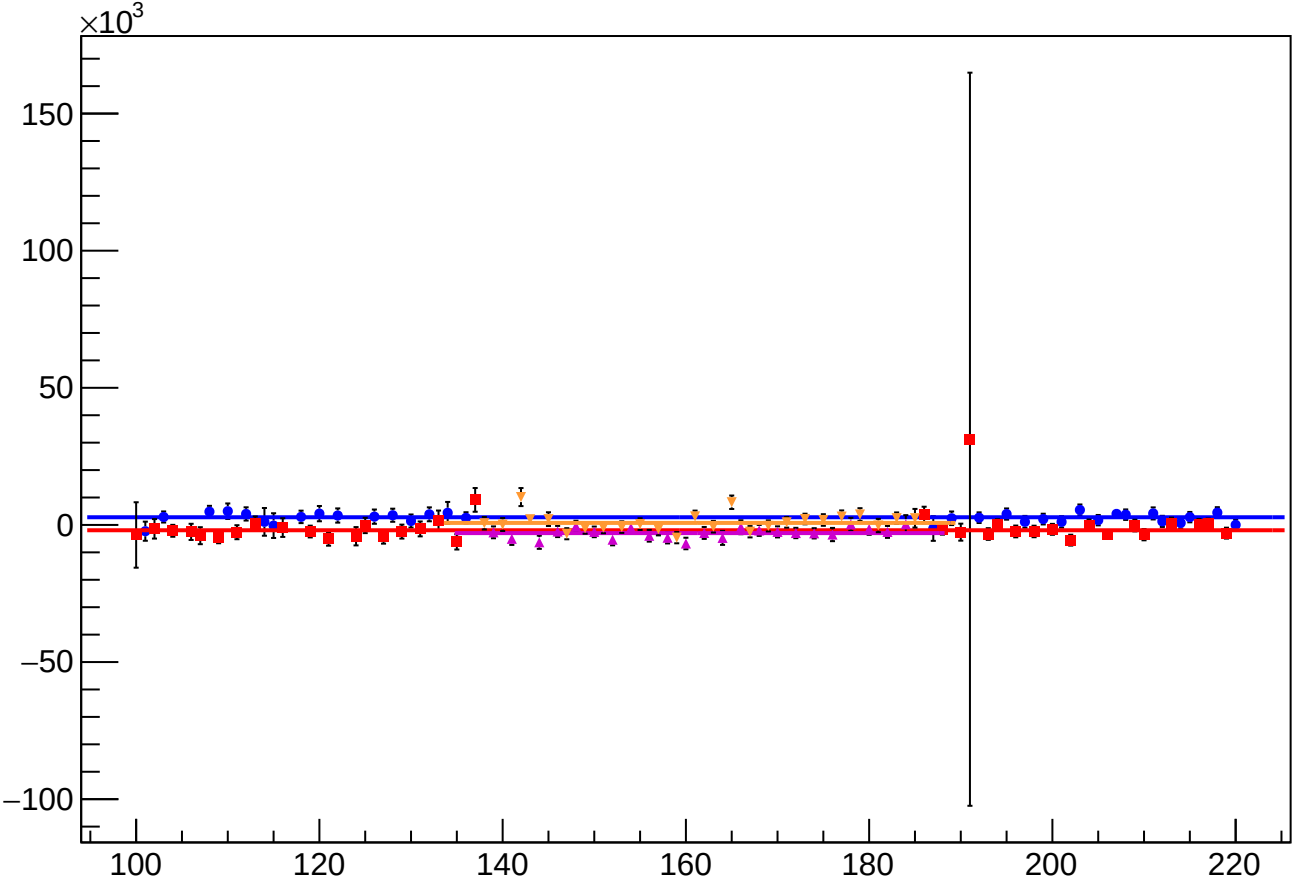
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 9026.418+/-1.039 χ^2/NDF: 4616541.6/57

All: 9010.714+/-0.737 χ^2/NDF: 9770918.2/11

- sign 8994.821+/-1.045 χ^2/NDF: 5153916.6/59

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2800.911+/-394.893 χ^2/NDF: 15.7/32

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -1940.556+/-394.824 χ^2/NDF: 32.2/36

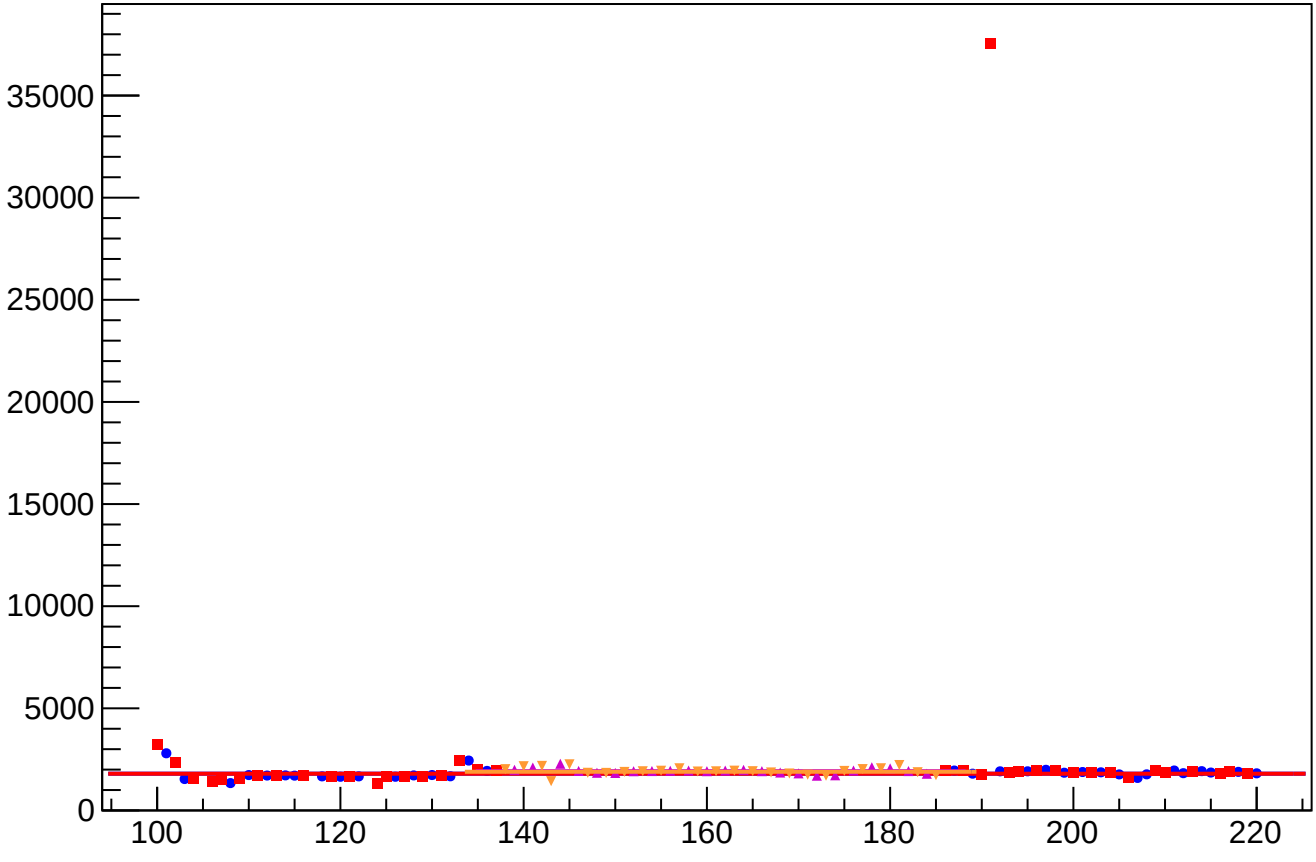
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1864.385+/-291.738 χ^2/NDF: 69.7/57

All: -226.608+/-208.084 χ^2/NDF: 225.1/117

- sign -2391.963+/-296.880 χ^2/NDF: 50.8/59

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1799.979+/-0.279 χ^2/NDF: 484061.4/32

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1798.428+/-0.279 χ^2/NDF: 591604.4/36

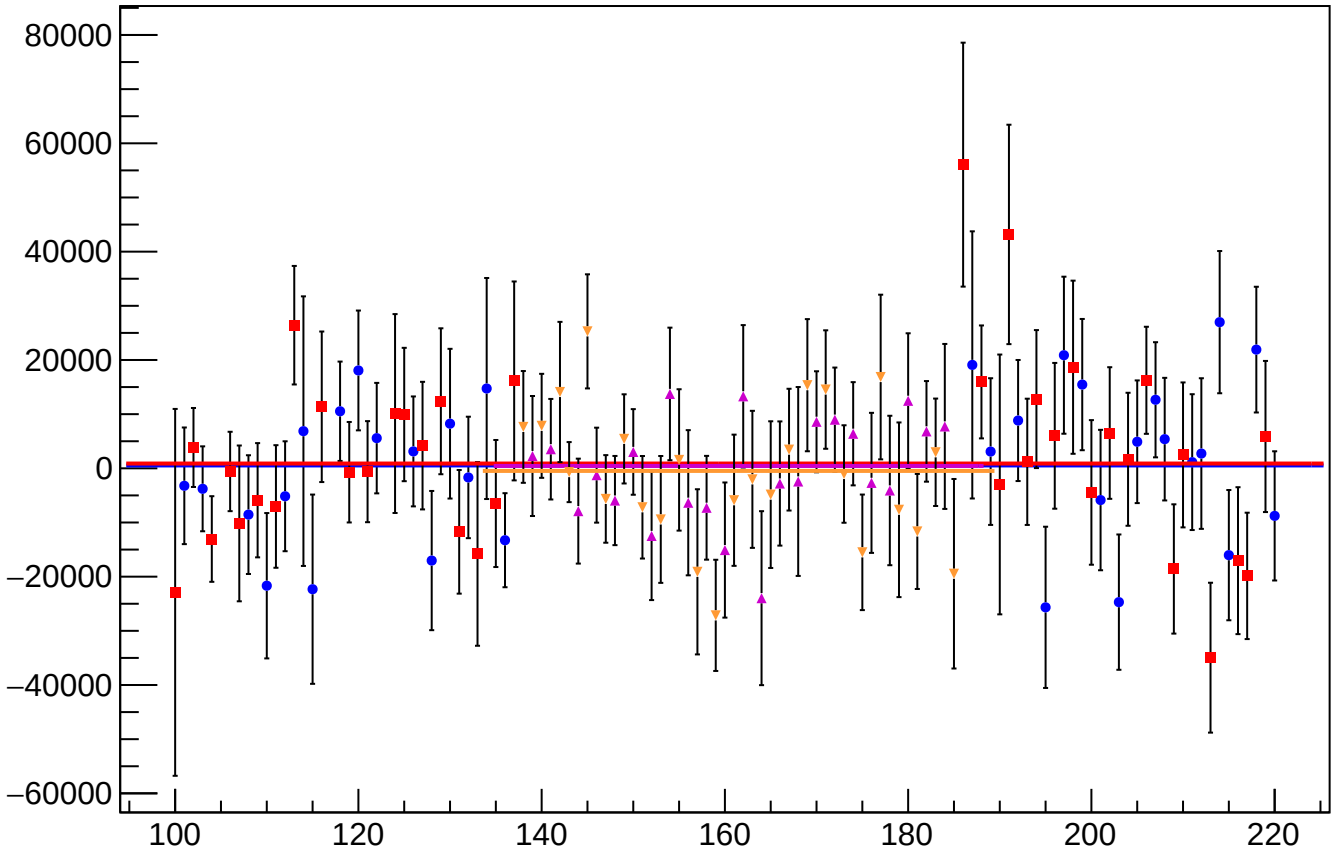
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1842.996+/-0.206 χ^2/NDF: 904908.2/57

All: 1847.703+/-0.147 χ^2/NDF: 1735153.2/11

- sign 1852.576+/-0.210 χ^2/NDF: 829185.3/59

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: 532.949+/-2065.336 χ^2/NDF: 38.9/32

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

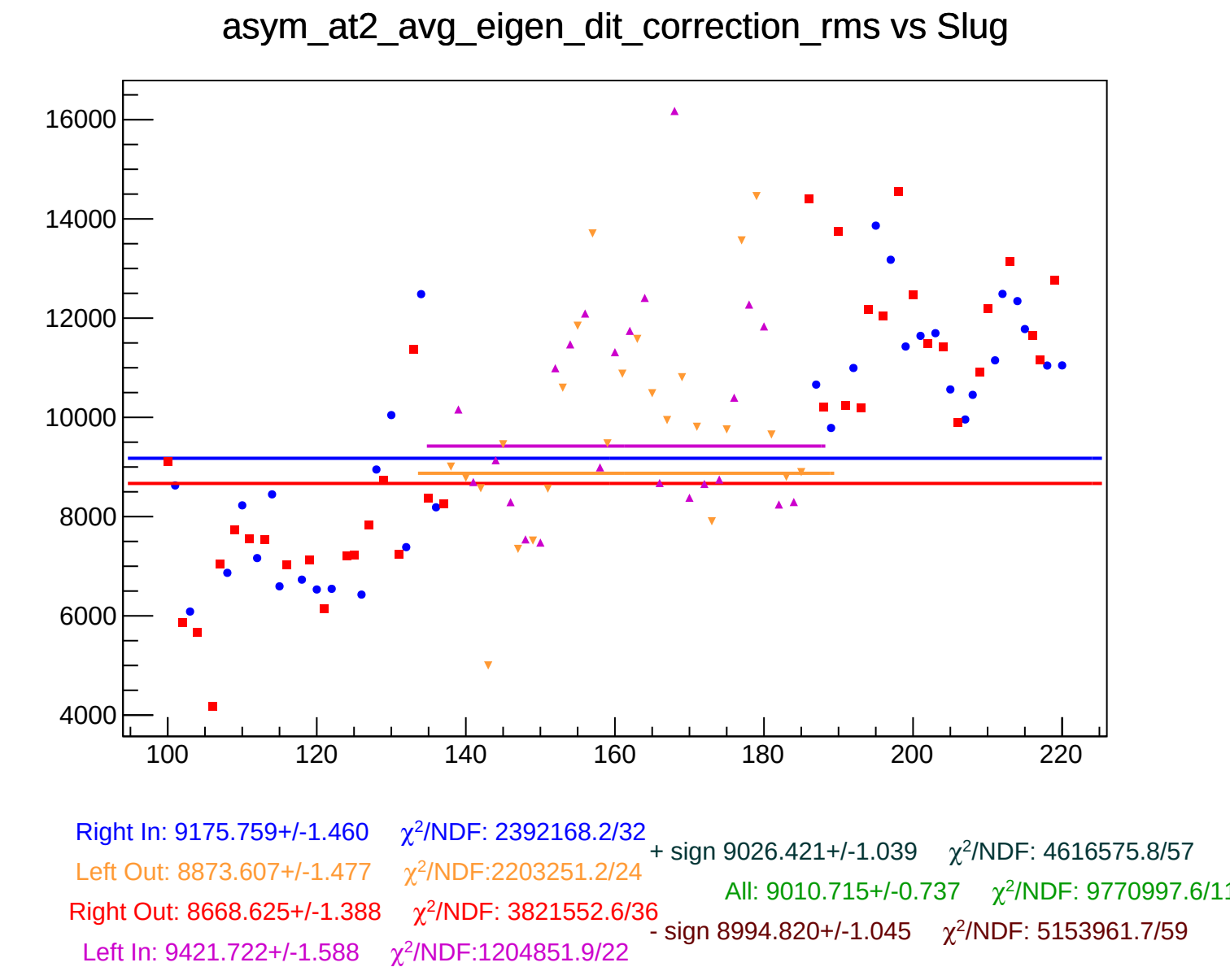
Right Out: 884.674+/-1962.575 χ^2/NDF: 48.2/36

Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

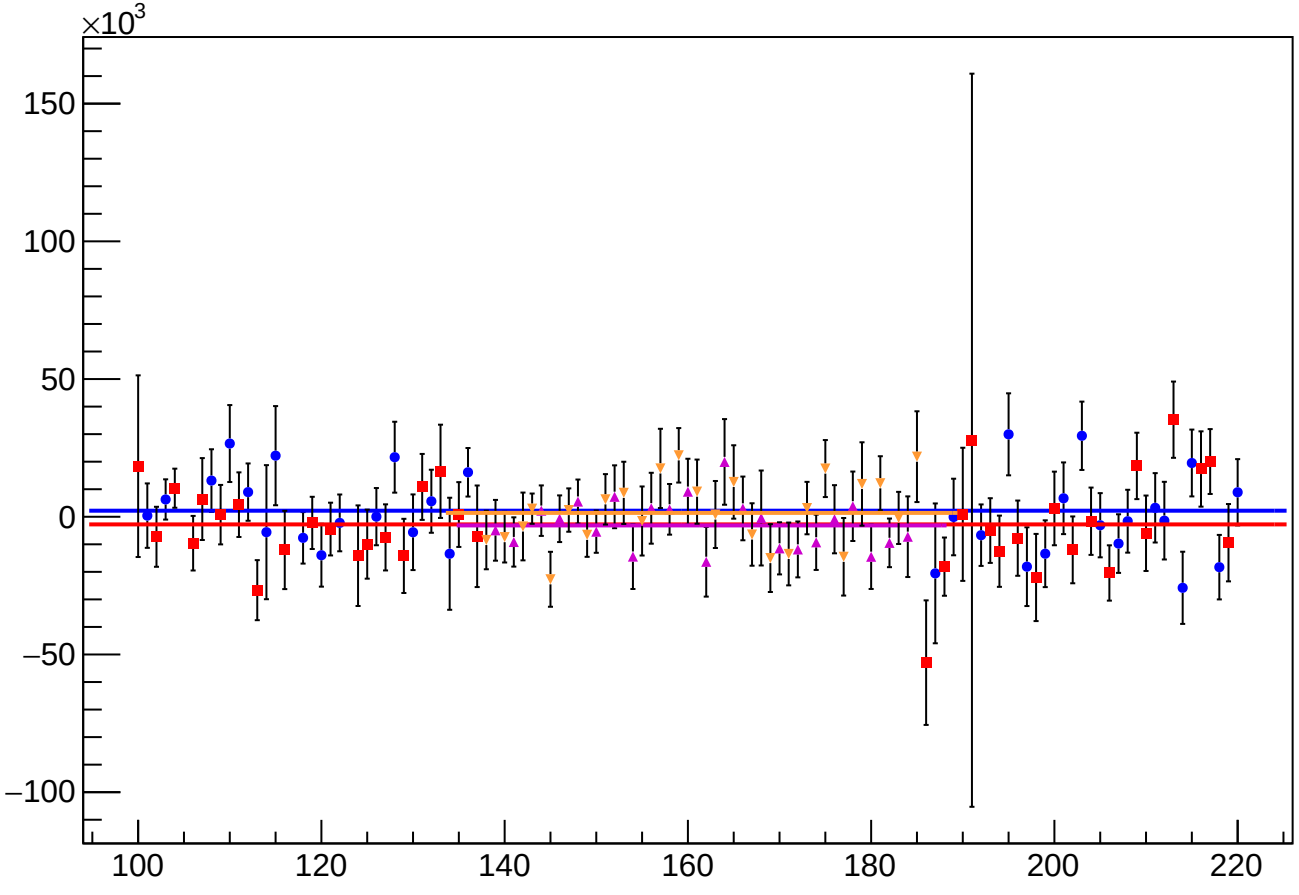
\+ sign 32.626+/-1468.791 χ^2/NDF: 67.8/57

All: 359.664+/-1041.702 χ^2/NDF: 129.7/117

\- sign 690.648+/-1477.627 χ^2/NDF: 61.8/59


asym_at2_avg_eigen_dit_correction_rms vs Slug
16000
14000
12000
10000
8000
6000
4000
100
120
140
160
180
200
220
Right In: 9175.759+/-1.460 χ²/NDF: 2392168.2/32
Left Out: 8873.607+/-1.477 χ²/NDF:2203251.2/24
Right Out: 8668.625+/-1.388 χ²/NDF: 3821552.6/36
Left In: 9421.722+/-1.588 χ²/NDF:1204851.9/22
+ sign 9026.421+/-1.039 χ²/NDF: 4616575.8/57
All: 9010.715+/-0.737 χ²/NDF: 9770997.6/11
- sign 8994.820+/-1.045 χ²/NDF: 5153961.7/59

asym_at2_avg_mean vs Slug



Right In: 2202.854+/-2083.579 χ^2/NDF: 40.4/32

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -2769.411+/-2054.294 χ^2/NDF: 45.0/36

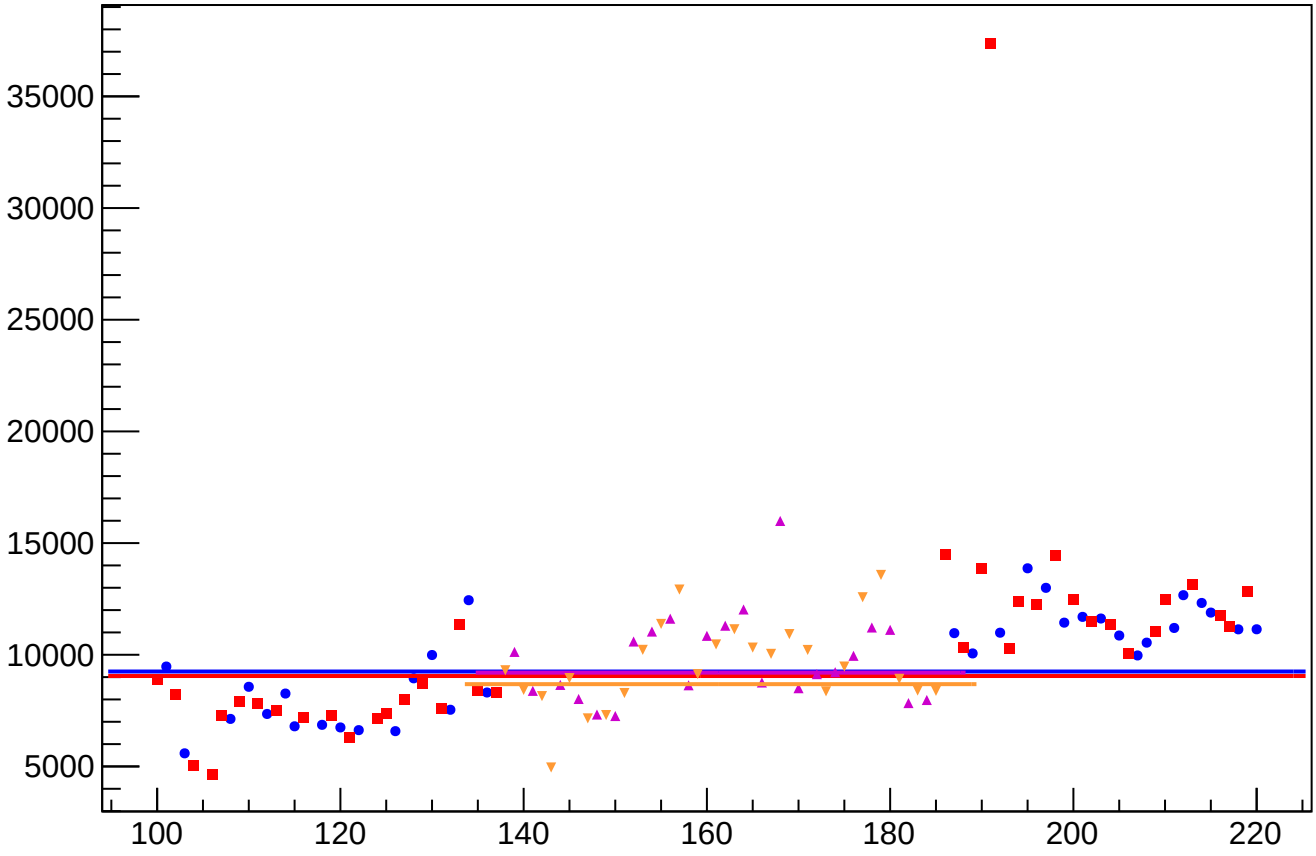
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 1797.171+/-1457.627 χ^2/NDF: 67.9/57

All: -507.789+/-1044.718 χ^2/NDF: 131.0/117

- sign -2942.569+/-1498.113 χ^2/NDF: 57.9/59

asym_at2_avg_rms vs Slug



Right In: 9250.427+/-1.473 χ^2/NDF: 2444123.0/32

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 9048.823+/-1.453 χ^2/NDF: 3336867.7/36

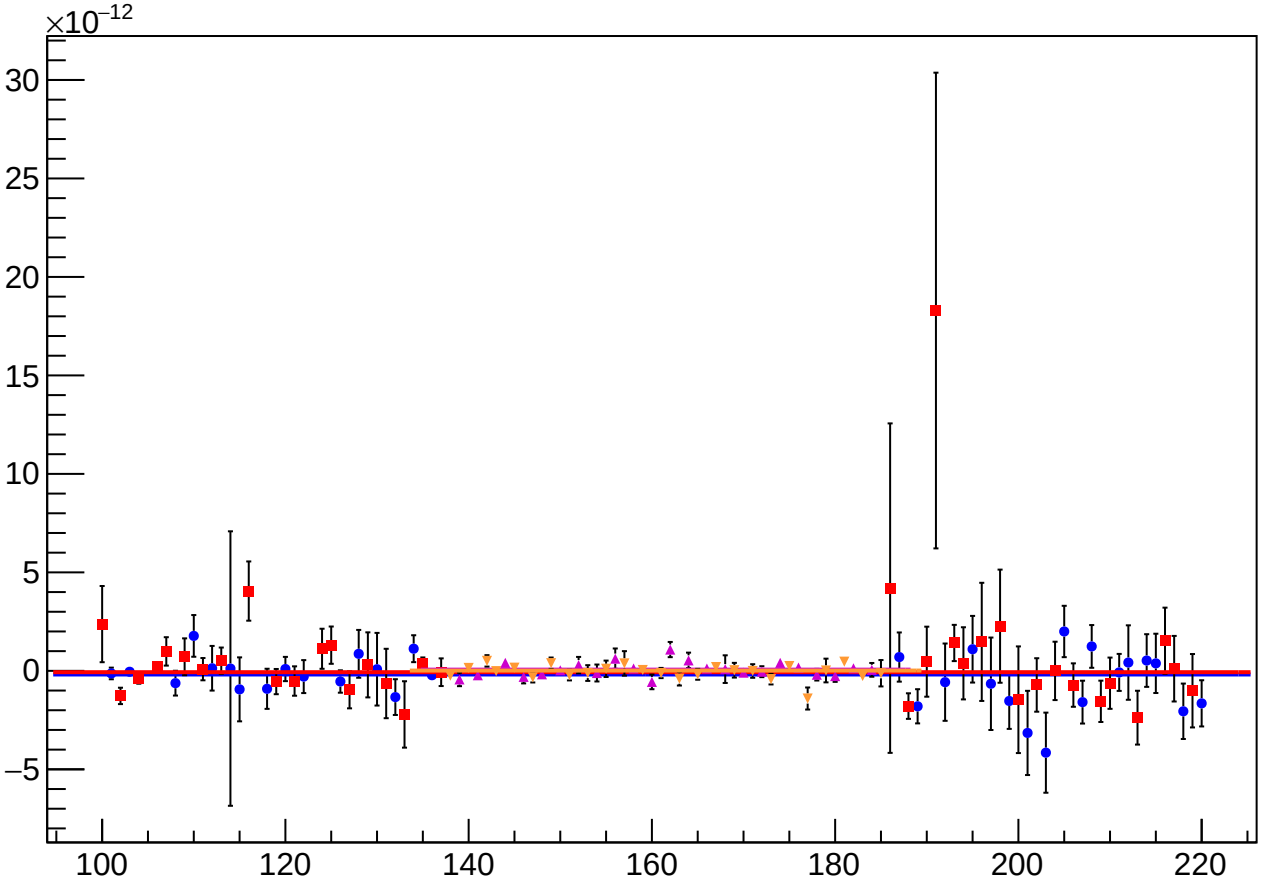
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8961.497+/-1.031 χ^2/NDF: 4571068.6/57

All: 9038.565+/-0.739 χ^2/NDF: 9053979.0/11

- sign 9119.970+/-1.059 χ^2/NDF: 4471413.7/59

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

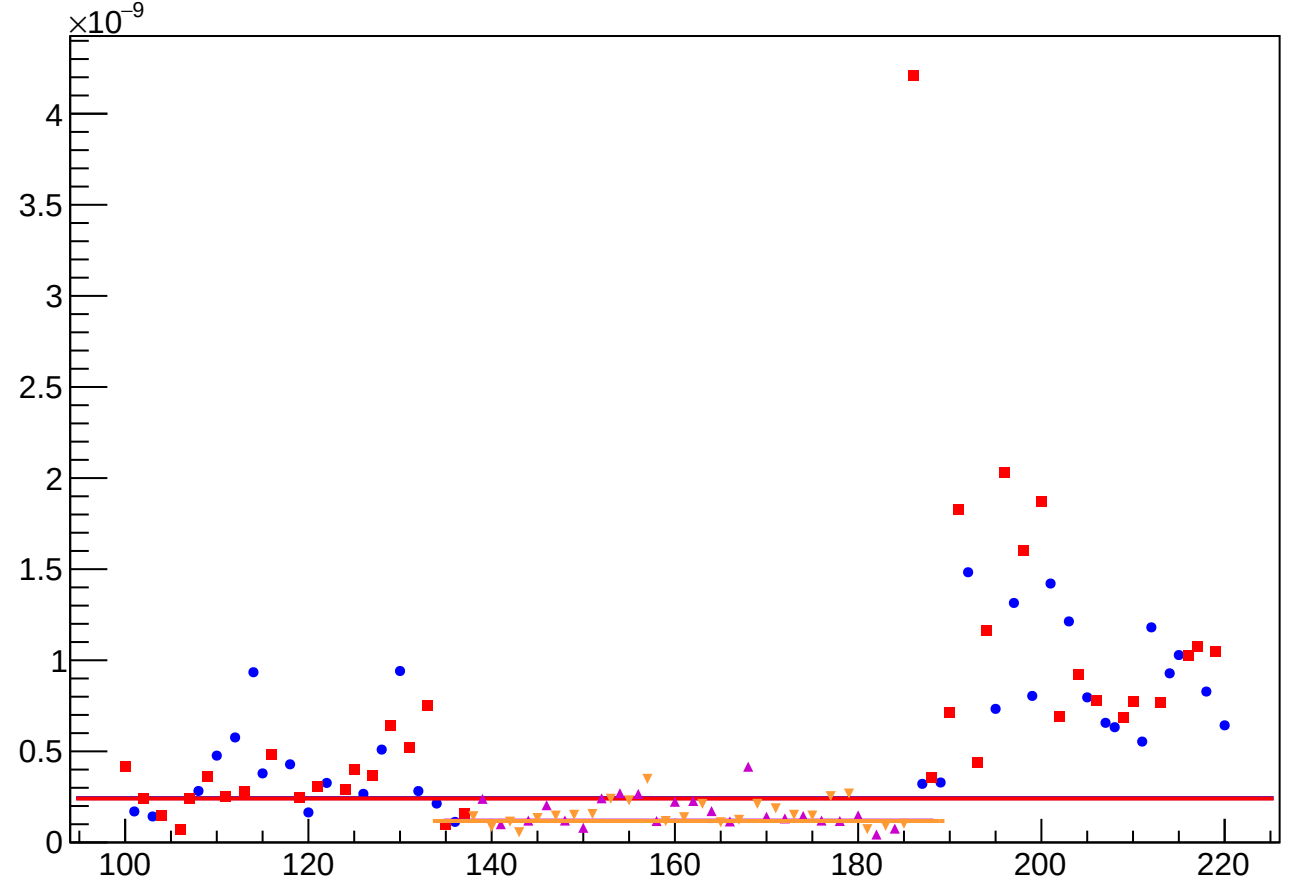
Right Out: -0.000+/-0.000 χ^2/NDF: 53.4/36

Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.5/57

All: 0.000+/-0.000 χ^2/NDF: 147.6/117

- sign 0.000+/-0.000 χ^2/NDF: 82.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 8179496.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8835773.0/36

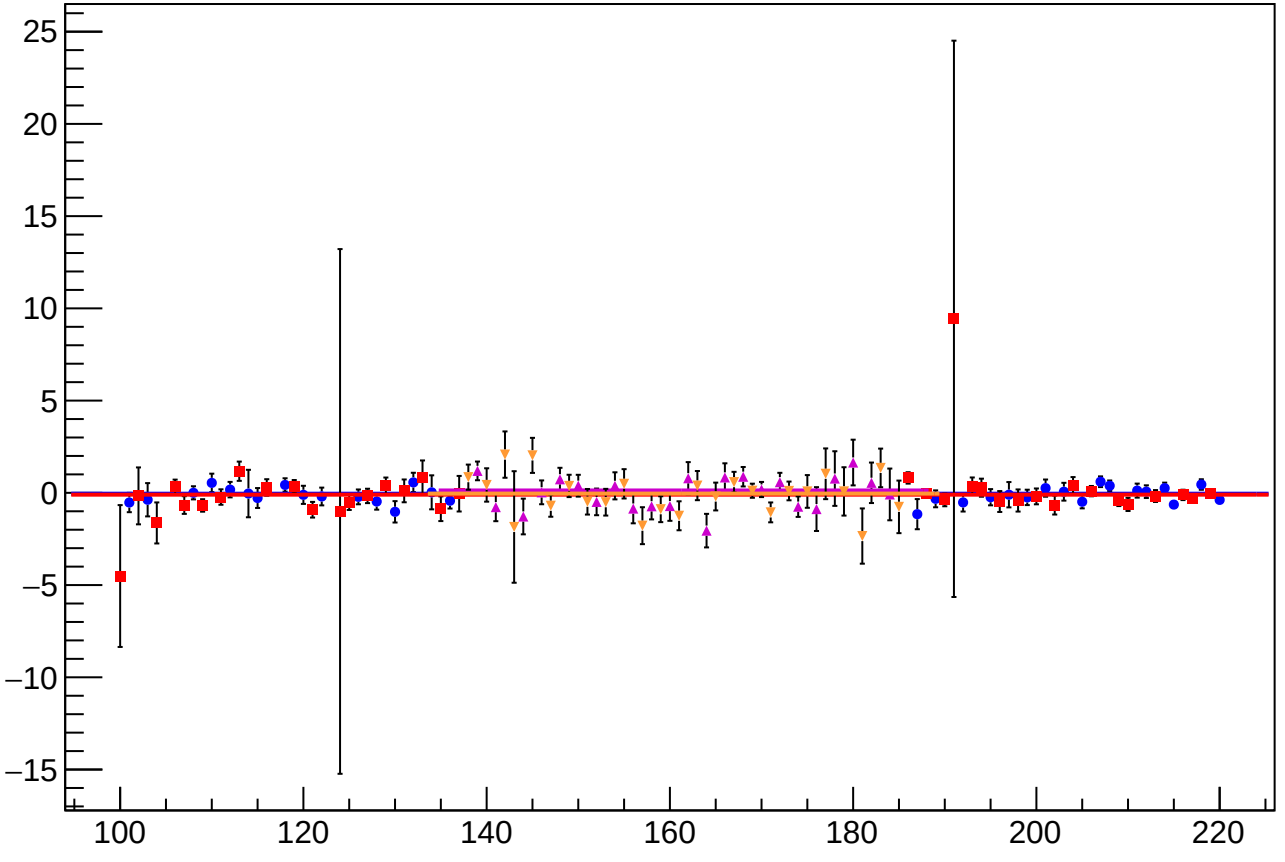
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12610862.8/57

All: 0.000+/-0.000 χ^2/NDF: 25952974.4/117

- sign 0.000+/-0.000 χ^2/NDF: 13338675.7/59

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.047+/-0.071 χ^2/NDF: 34.6/32

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.099+/-0.065 χ^2/NDF: 44.2/36

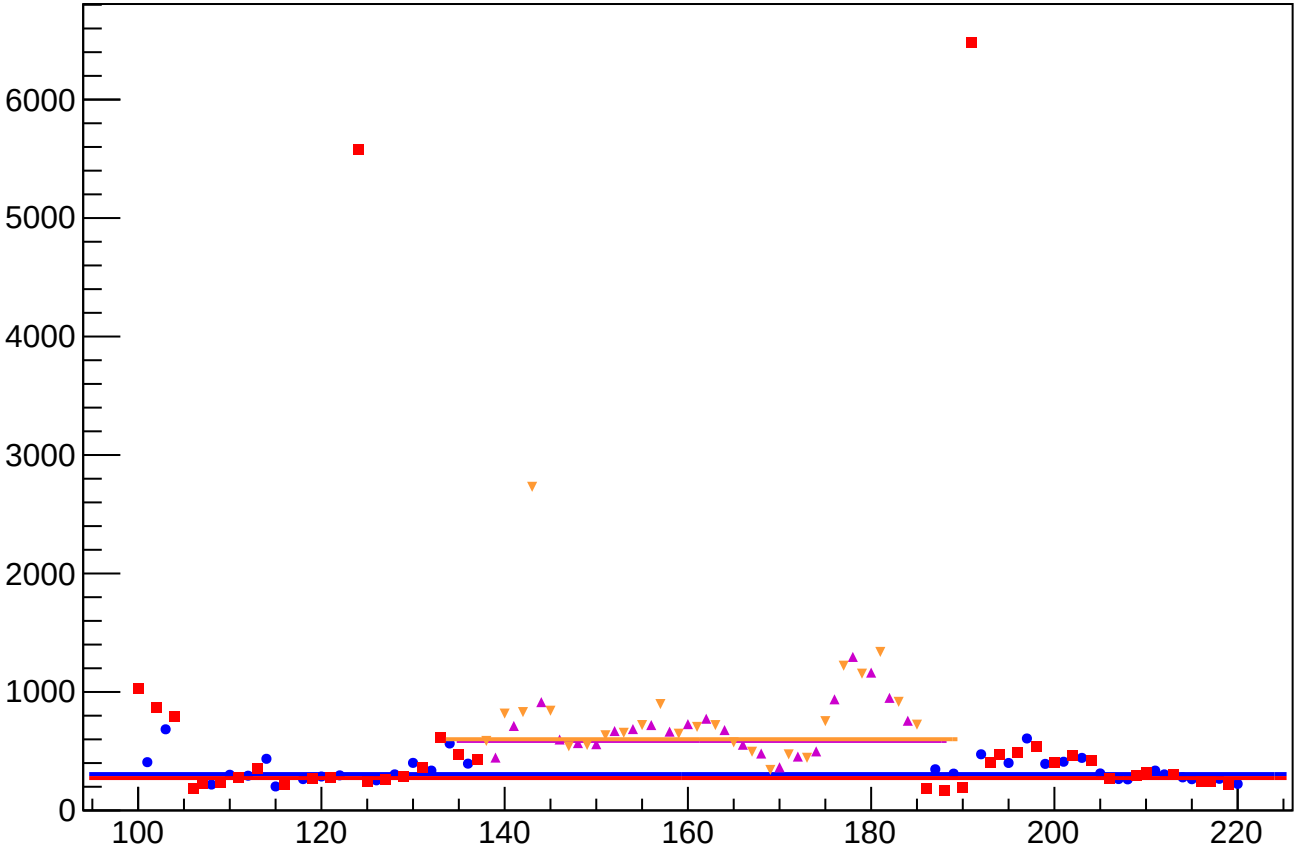
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.046+/-0.064 χ^2/NDF: 64.8/57

All: -0.054+/-0.043 χ^2/NDF: 140.1/117

- sign -0.061+/-0.059 χ^2/NDF: 75.3/59

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 306.944+/-0.050 χ^2/NDF: 2510946.5/32

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 273.354+/-0.046 χ^2/NDF: 5195704.5/36

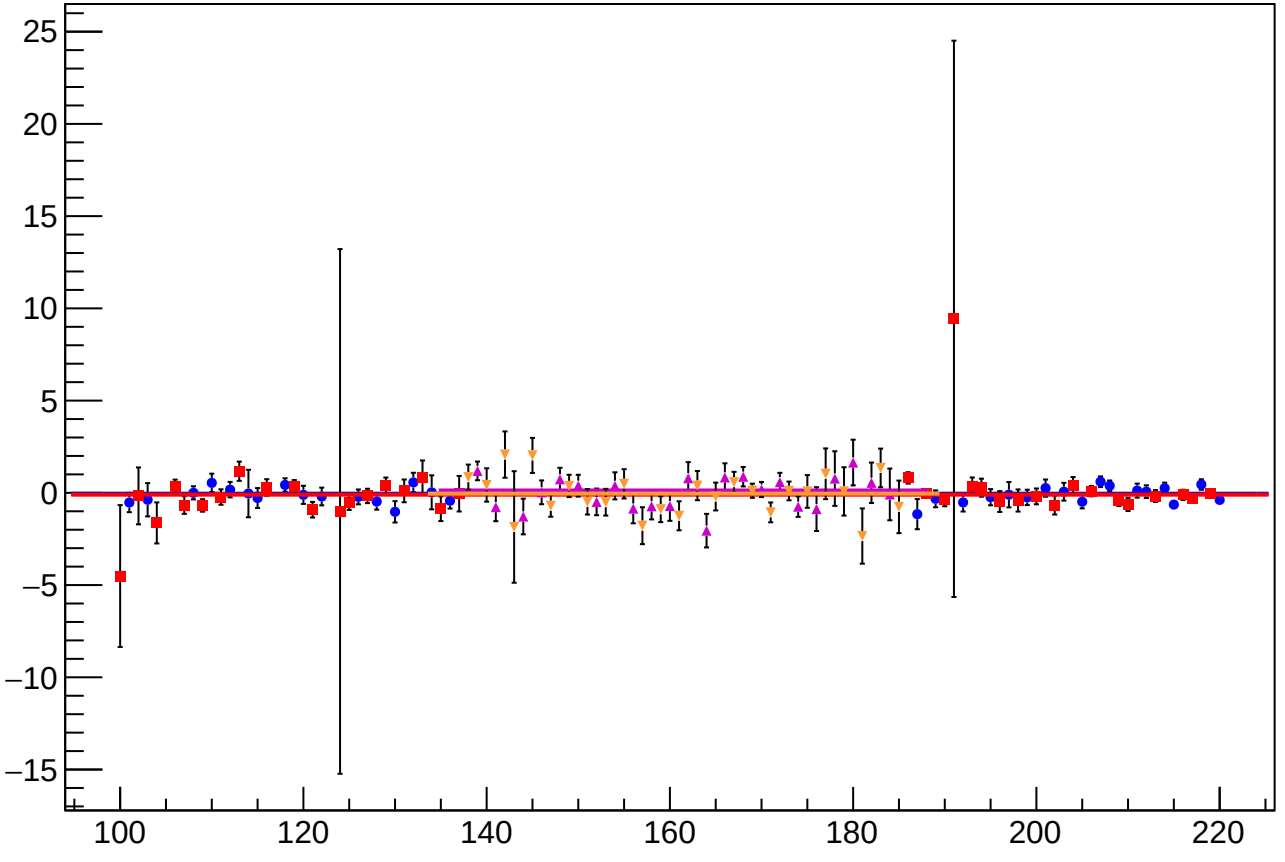
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 361.743+/-0.045 χ^2/NDF: 13448023.8/57

All: 342.615+/-0.031 χ^2/NDF: 29674357.4/11

- sign 325.926+/-0.042 χ^2/NDF: 15888207.1/59

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.047+/-0.071 χ^2/NDF: 34.6/32

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.099+/-0.065 χ^2/NDF: 44.2/36

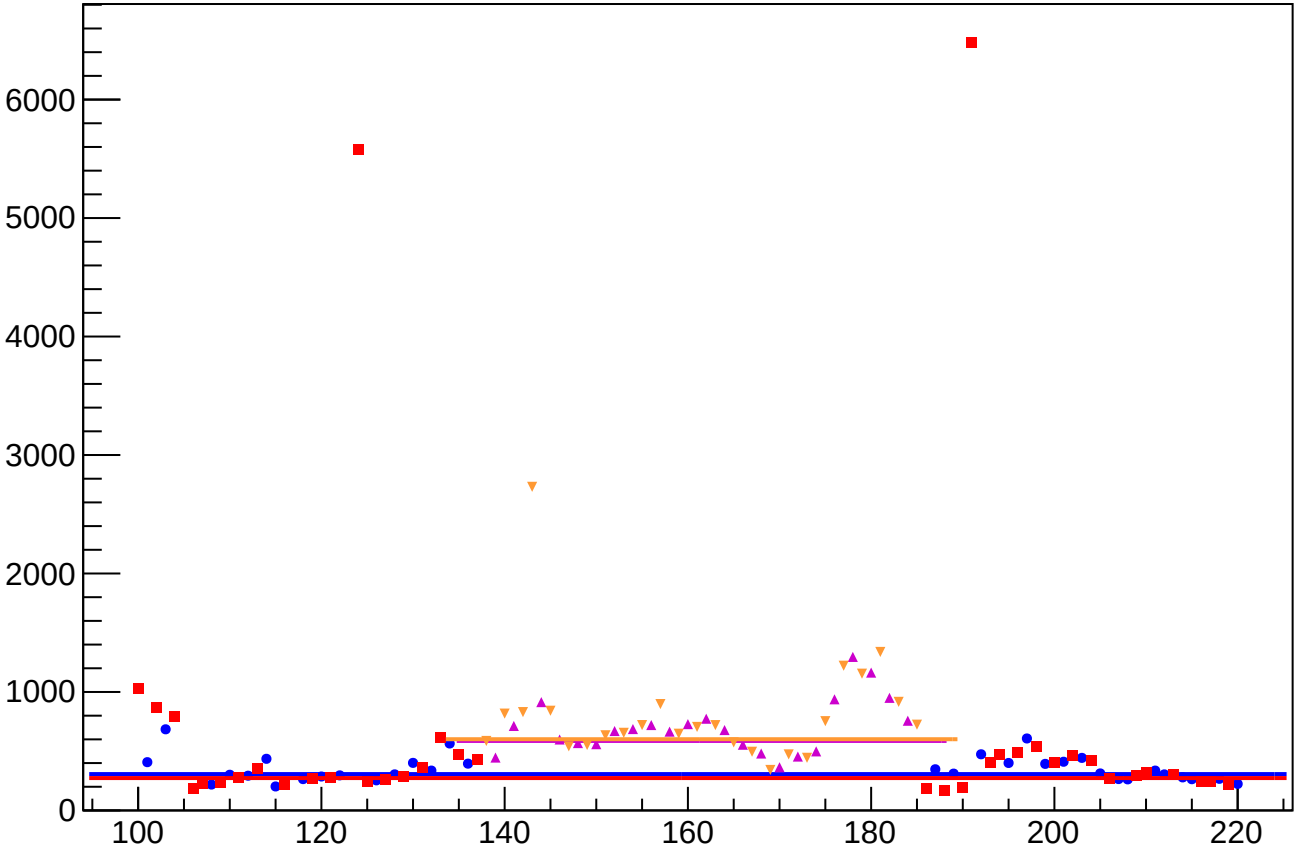
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.046+/-0.064 χ^2/NDF: 64.8/57

All: -0.054+/-0.043 χ^2/NDF: 140.1/117

- sign -0.061+/-0.059 χ^2/NDF: 75.3/59

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 306.944+/-0.050 χ^2/NDF: 2510946.5/32

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

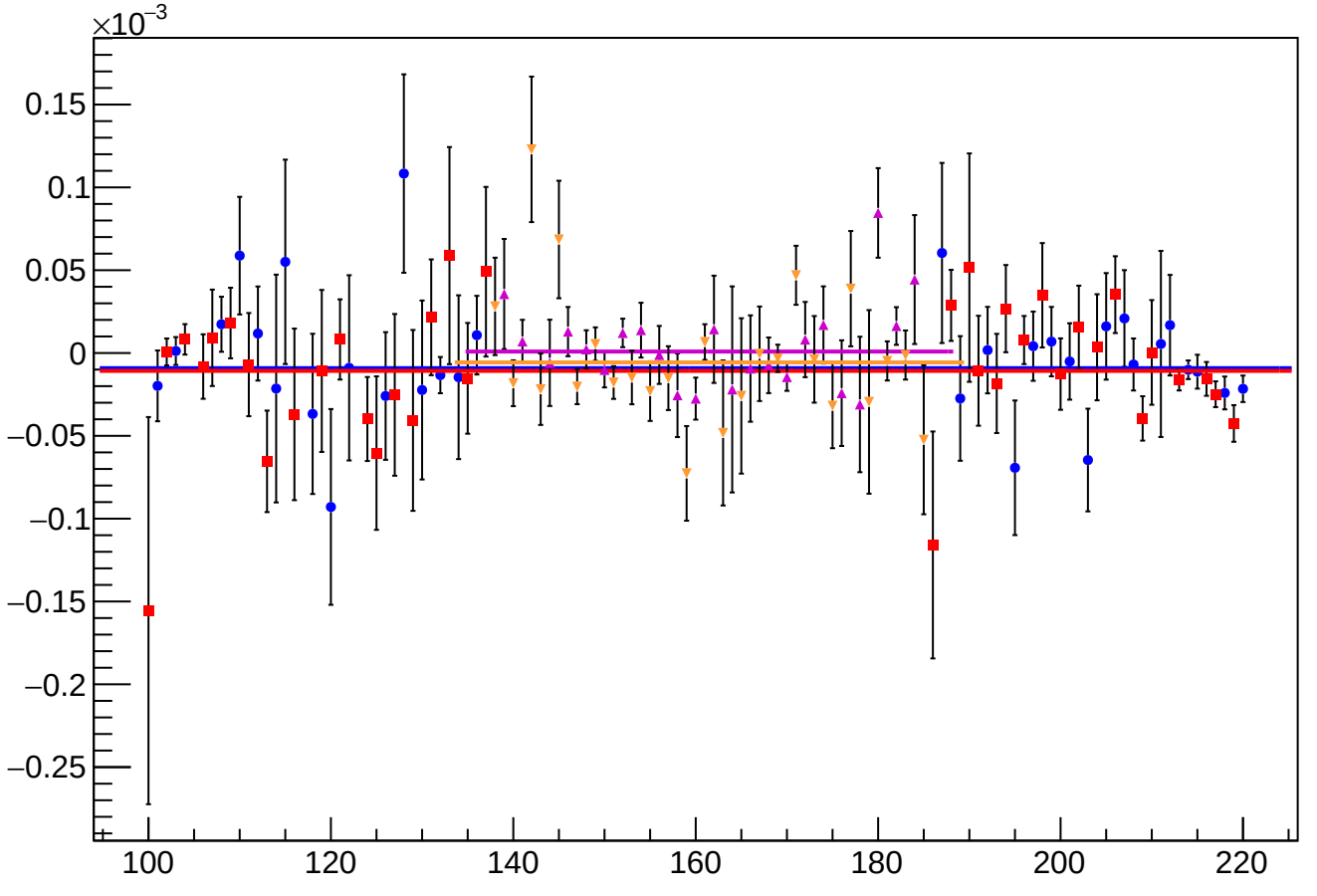
Right Out: 273.354+/-0.046 χ^2/NDF: 5195704.5/36

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 361.743+/-0.045 χ^2/NDF: 13448023.8/57

All: 342.615+/-0.031 χ^2/NDF: 29674357.4/11

- sign 325.926+/-0.042 χ^2/NDF: 15888207.1/59



Right In: -0.000+/-0.000 χ^2/NDF: 32.7/32

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 55.2/36

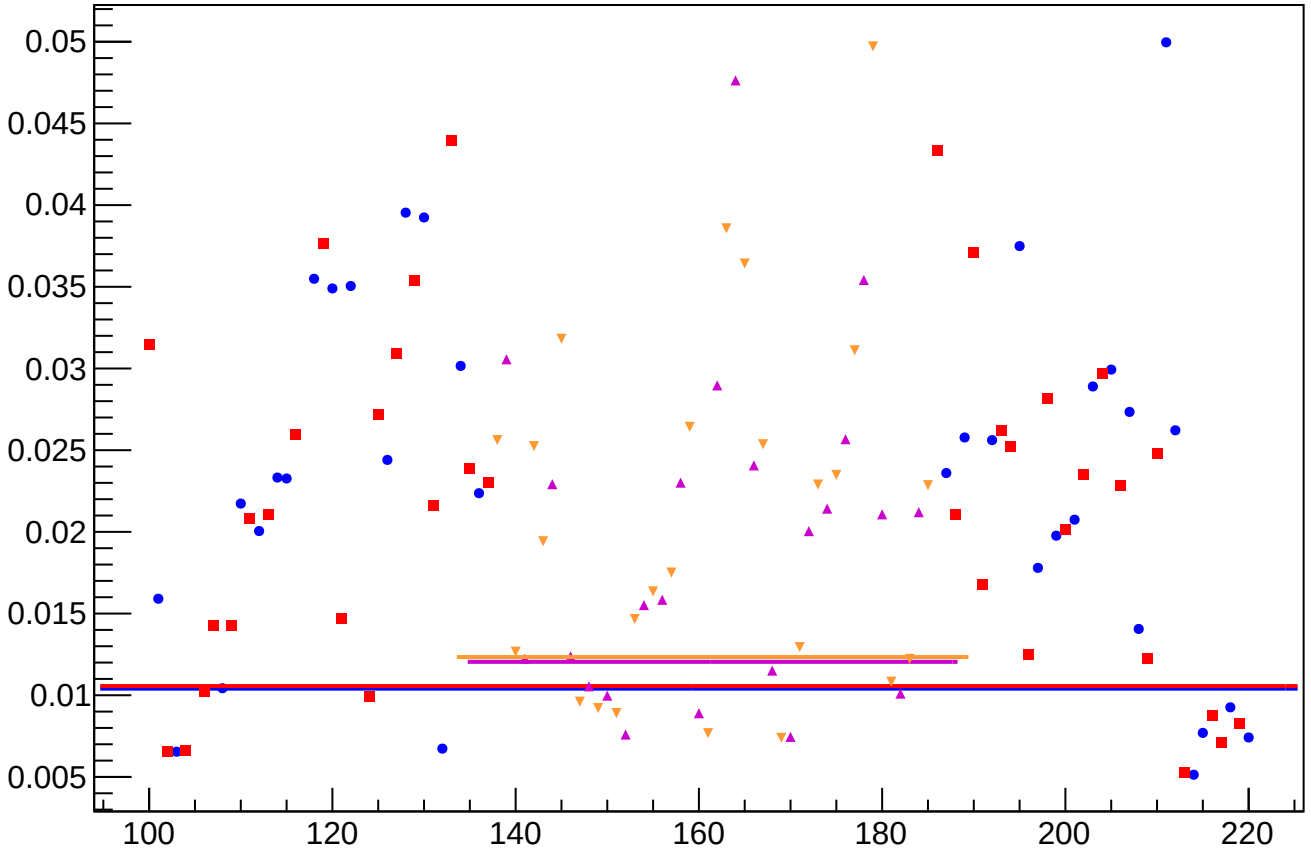
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.9/57

All: -0.000+/-0.000 χ^2/NDF: 168.9/117

- sign -0.000+/-0.000 χ^2/NDF: 92.7/59

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 13808650.2/32

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 12150977.8/36

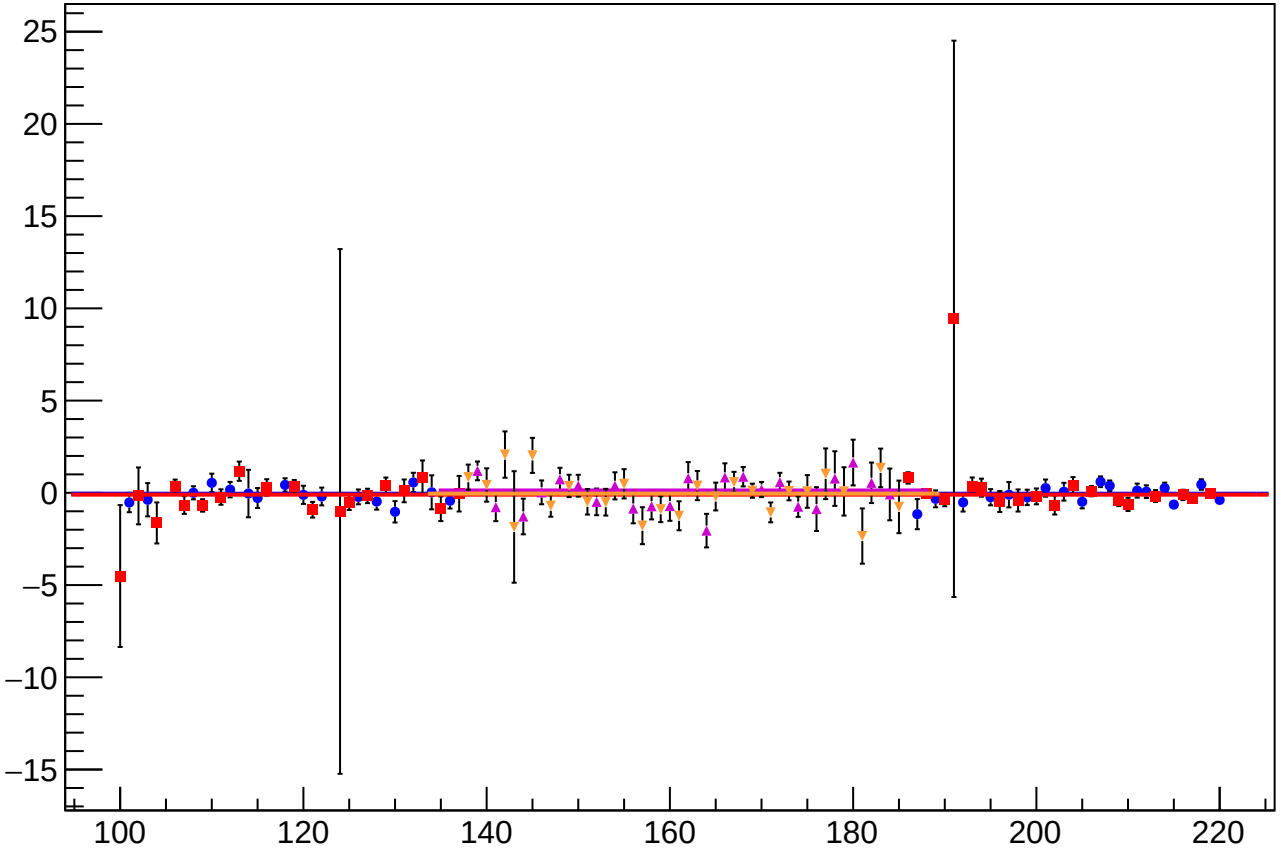
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 22044646.3/57

All: 0.011+/-0.000 χ^2/NDF: 40811362.8/117

- sign 0.011+/-0.000 χ^2/NDF: 18765756.8/59

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.047+/-0.071 χ^2/NDF: 34.6/32

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.099+/-0.065 χ^2/NDF: 44.2/36

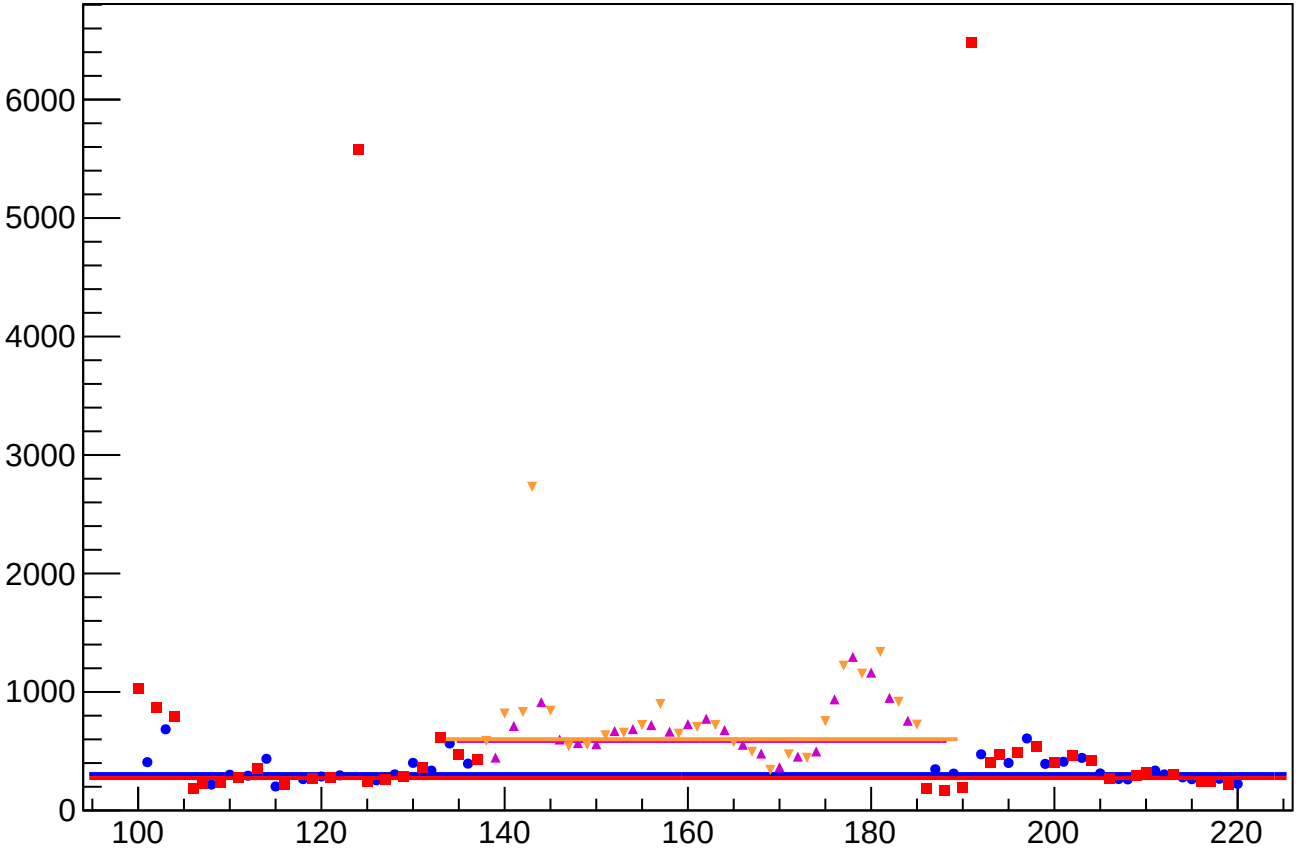
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.046+/-0.064 χ^2/NDF: 64.8/57

All: -0.054+/-0.043 χ^2/NDF: 140.1/117

- sign -0.061+/-0.059 χ^2/NDF: 75.3/59

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 306.943+/-0.050 χ^2/NDF: 2510943.2/32

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

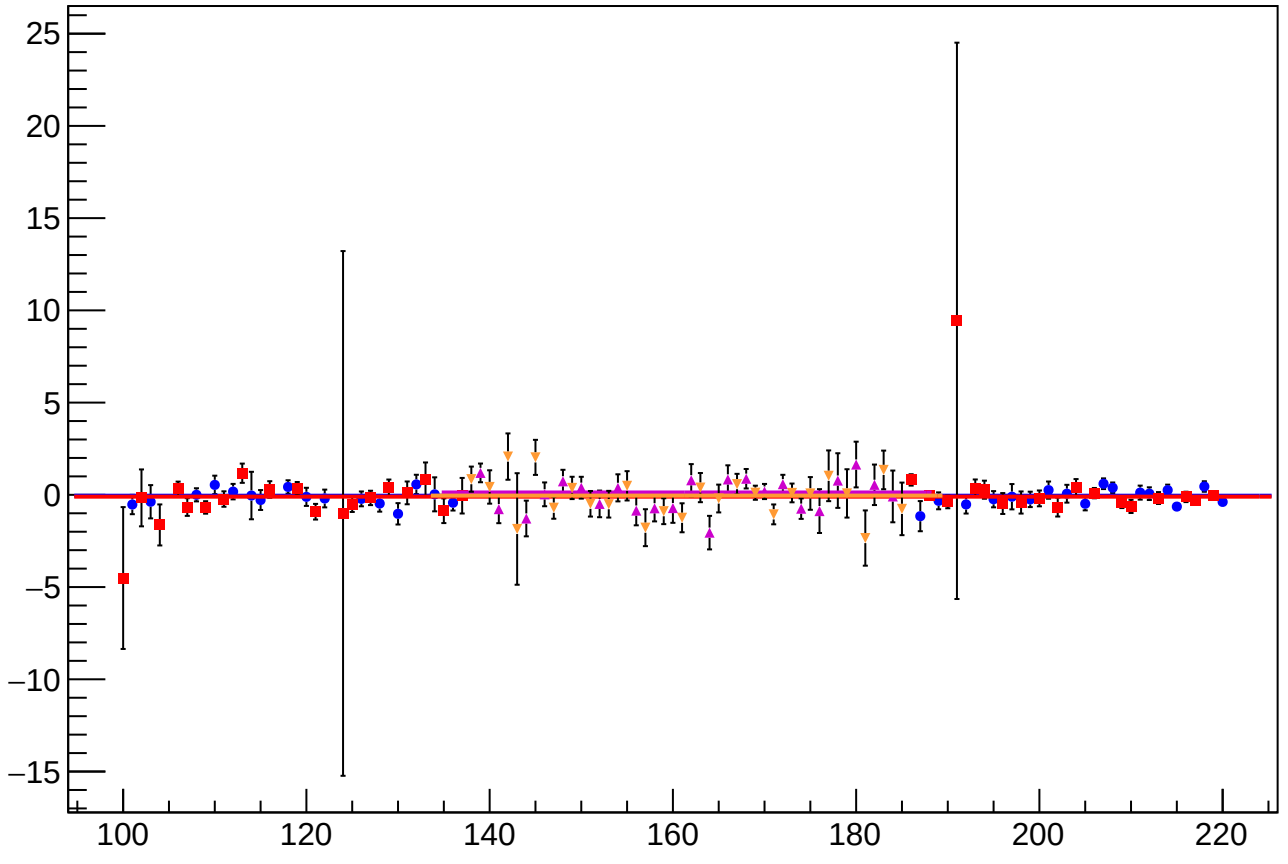
Right Out: 273.350+/-0.046 χ^2/NDF: 5195957.7/36

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 361.742+/-0.045 χ^2/NDF: 13448238.9/57

All: 342.612+/-0.031 χ^2/NDF: 29675294.8/11

- sign 325.921+/-0.042 χ^2/NDF: 15888863.6/59



Right In: -0.047+/-0.071 χ^2/NDF: 34.6/32

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

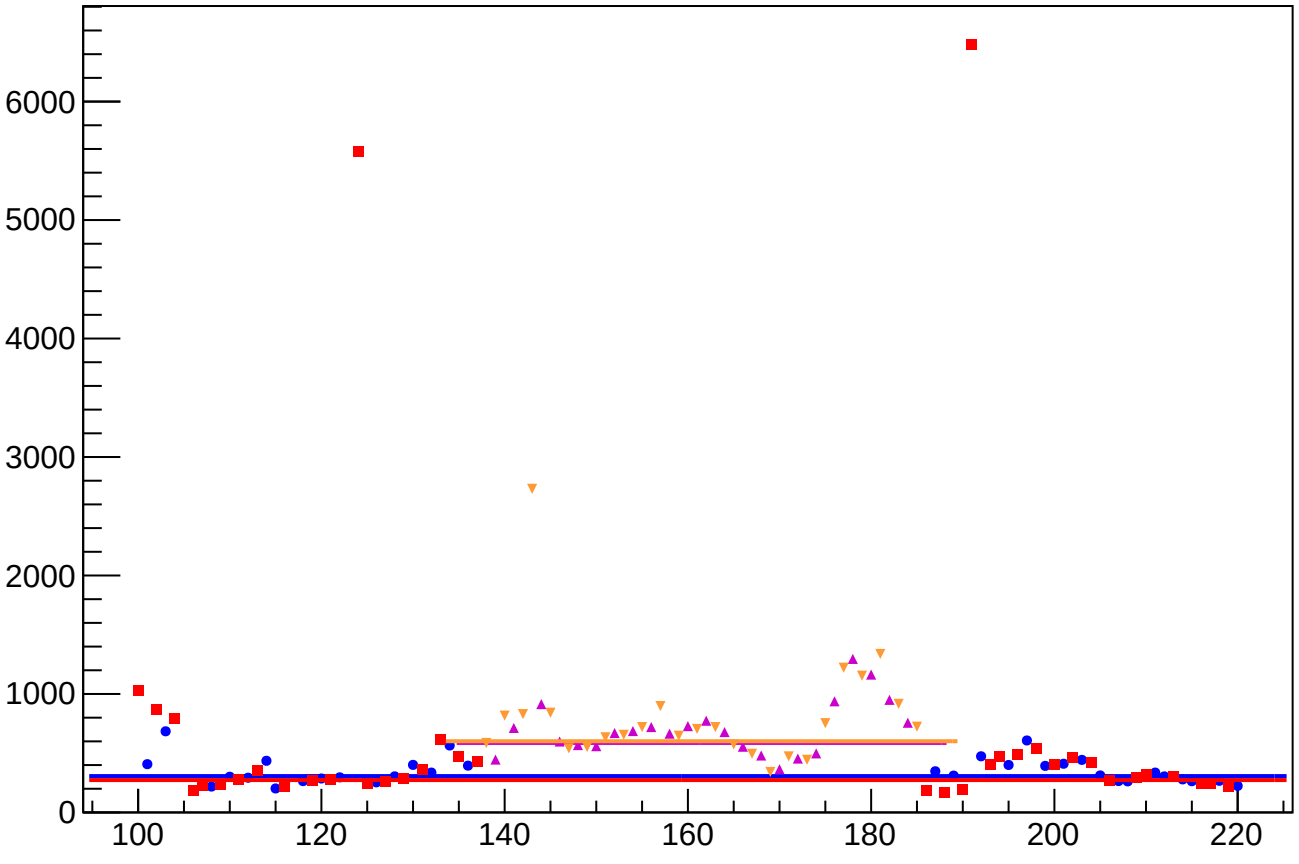
Right Out: -0.099+/-0.065 χ^2/NDF: 44.2/36

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.046+/-0.064 χ^2/NDF: 64.8/57

All: -0.054+/-0.043 χ^2/NDF: 140.1/117

- sign -0.061+/-0.059 χ^2/NDF: 75.3/59



Right In: 306.943+/-0.050 χ^2/NDF: 2510943.2/32

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

Right Out: 273.350+/-0.046 χ^2/NDF: 5195957.7/36

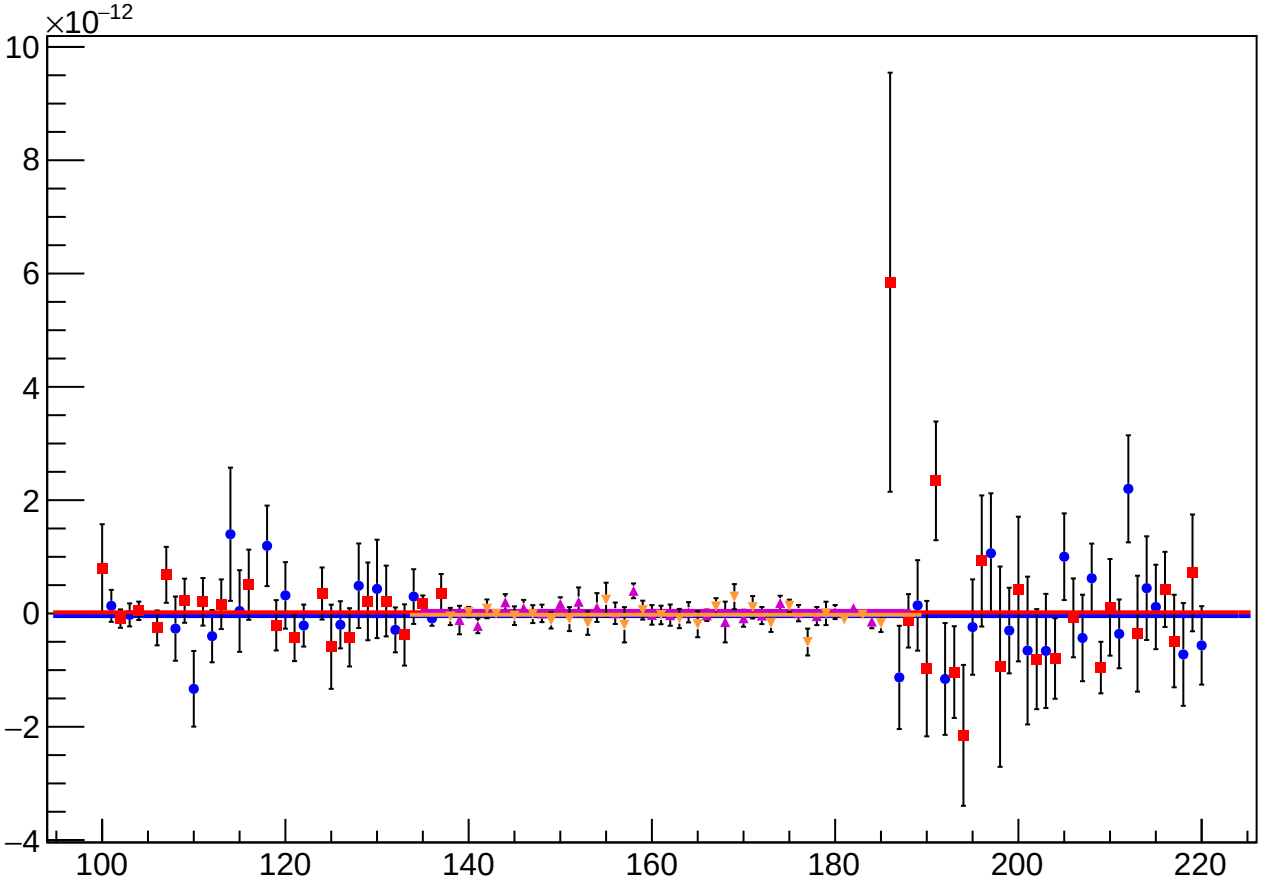
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 361.742+/-0.045 χ^2/NDF: 13448238.9/57

All: 342.612+/-0.031 χ^2/NDF: 29675294.8/11

- sign 325.921+/-0.042 χ^2/NDF: 15888863.6/59

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

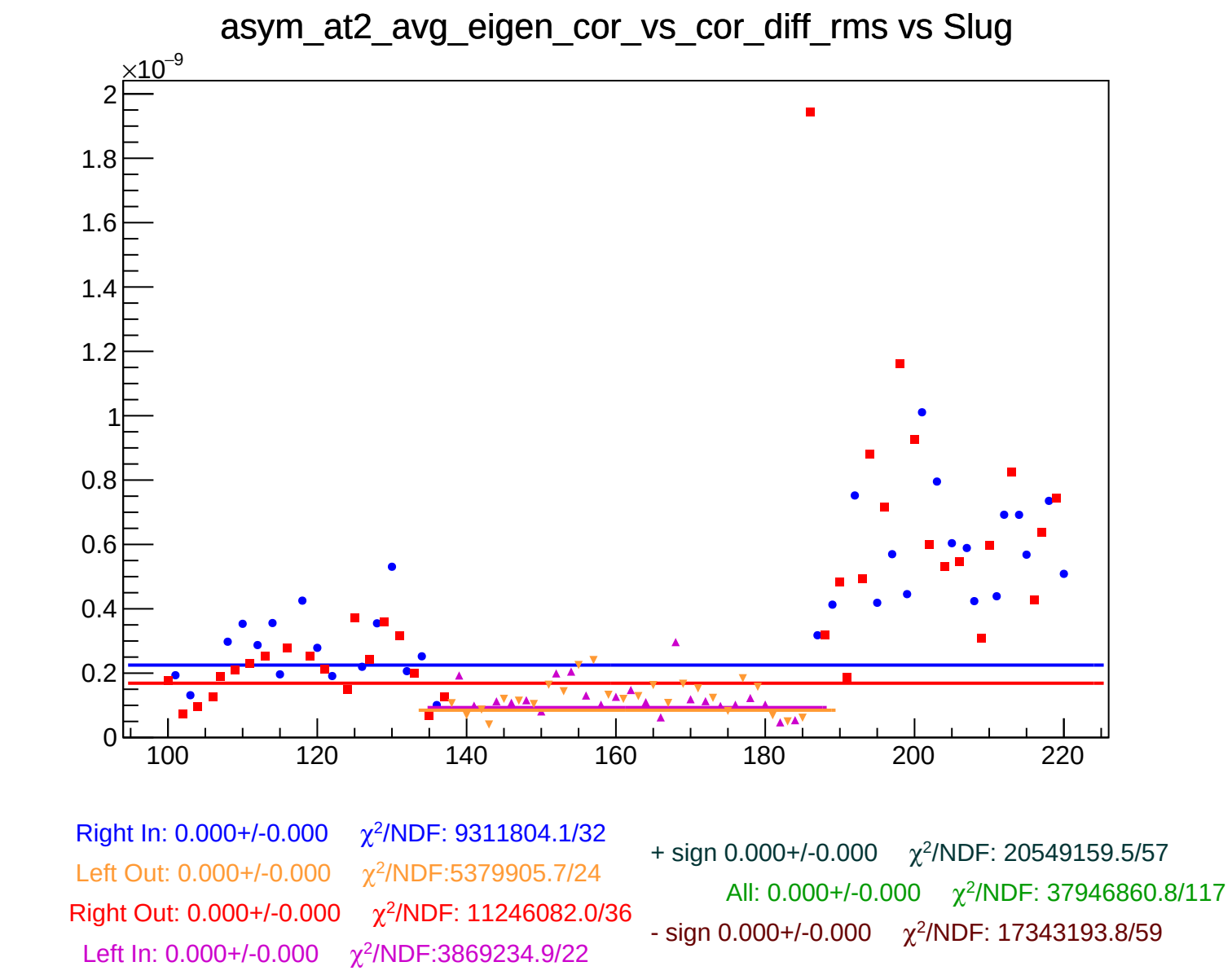
Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/36

Left In: 0.000+/-0.000 χ^2/NDF:22.0/22

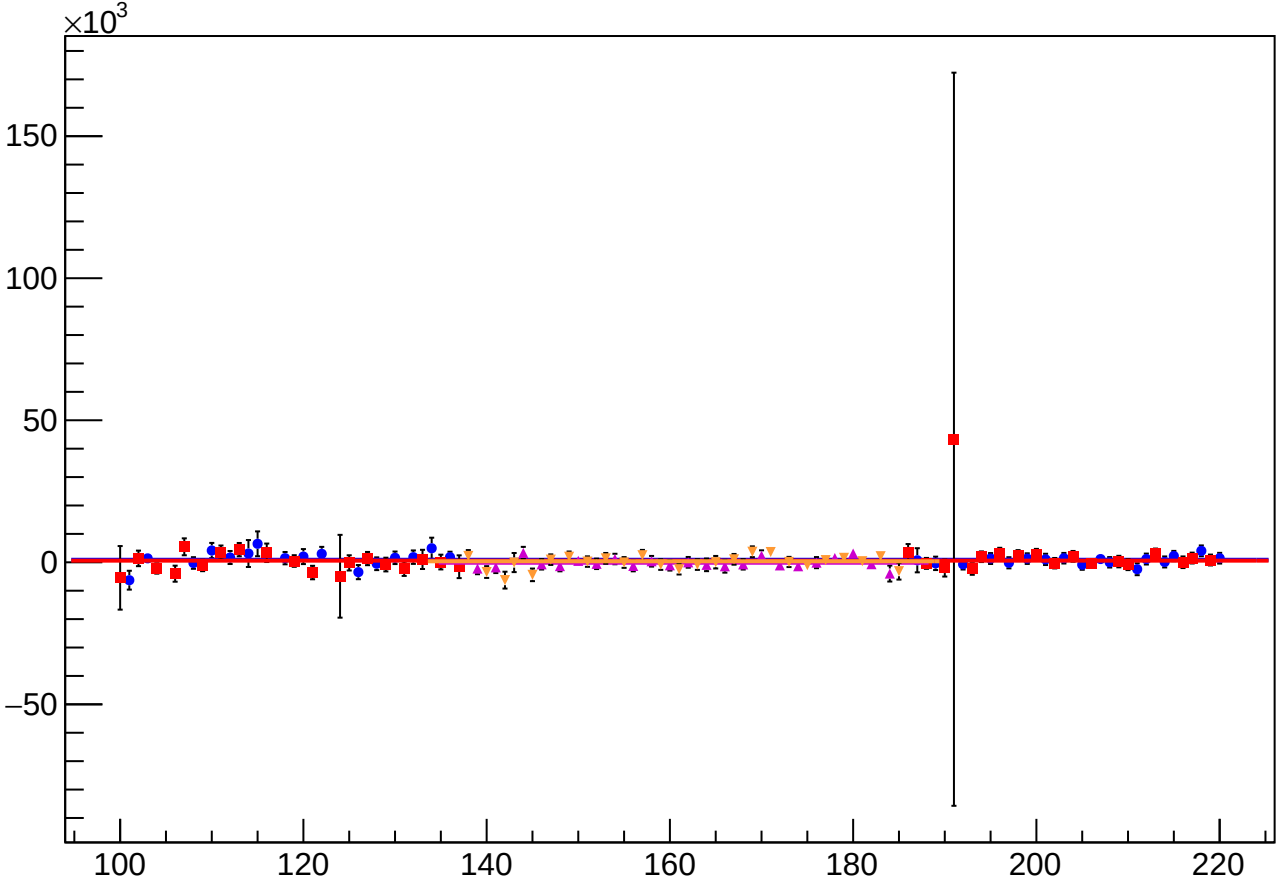
+ sign -0.000+/-0.000 χ^2/NDF: 43.7/57

All: 0.000+/-0.000 χ^2/NDF: 103.0/117

- sign 0.000+/-0.000 χ^2/NDF: 56.0/59


asym_at2_avg_eigen_cor_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
220
Right In: 0.000+/-0.000 χ²/NDF: 9311804.1/32
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 11246082.0/36
Left In: 0.000+/-0.000 χ²/NDF:3869234.9/22
+ sign 0.000+/-0.000 χ²/NDF: 20549159.5/57
All: 0.000+/-0.000 χ²/NDF: 37946860.8/117
- sign 0.000+/-0.000 χ²/NDF: 17343193.8/59

reg_asym_at2_dd_mean vs Slug



Right In: 892.975+/-372.703 χ^2/NDF: 23.4/32

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 583.190+/-373.904 χ^2/NDF: 31.3/36

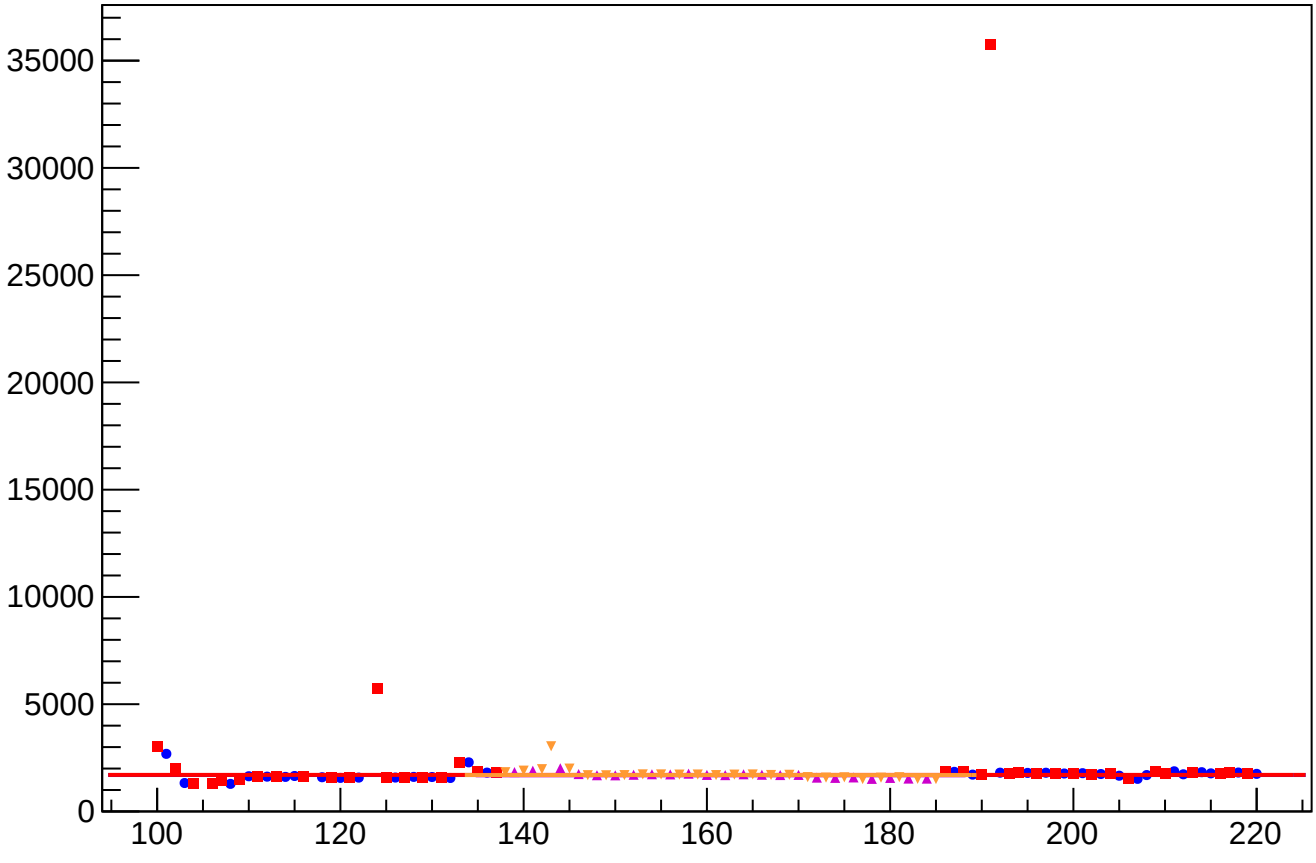
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 638.080+/-268.829 χ^2/NDF: 53.9/57

All: 437.234+/-190.959 χ^2/NDF: 104.3/117

- sign 232.680+/-271.300 χ^2/NDF: 49.2/59

reg_asym_at2_dd_rms vs Slug



Right In: 1698.550+/-0.264 χ^2/NDF: 533145.0/32

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

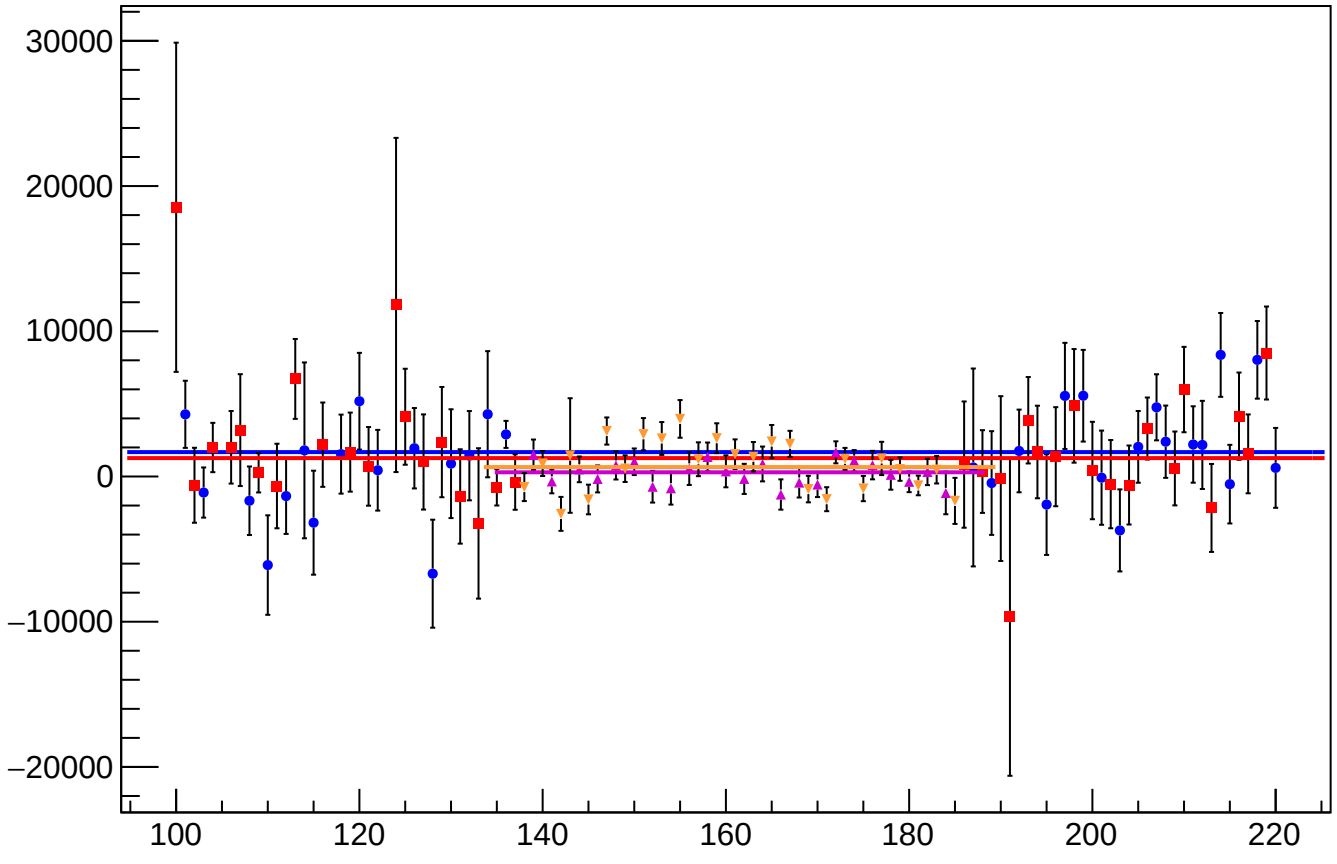
Right Out: 1704.462+/-0.264 χ^2/NDF: 734008.5/36

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1698.044+/-0.190 χ^2/NDF: 1028550.6/57

All: 1696.559+/-0.135 χ^2/NDF: 1930716.7/11

- sign 1695.046+/-0.192 χ^2/NDF: 902042.8/59



Right In: 1679.510+/-447.902 χ^2/NDF: 44.6/32

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 1266.534+/-444.047 χ^2/NDF: 29.4/36

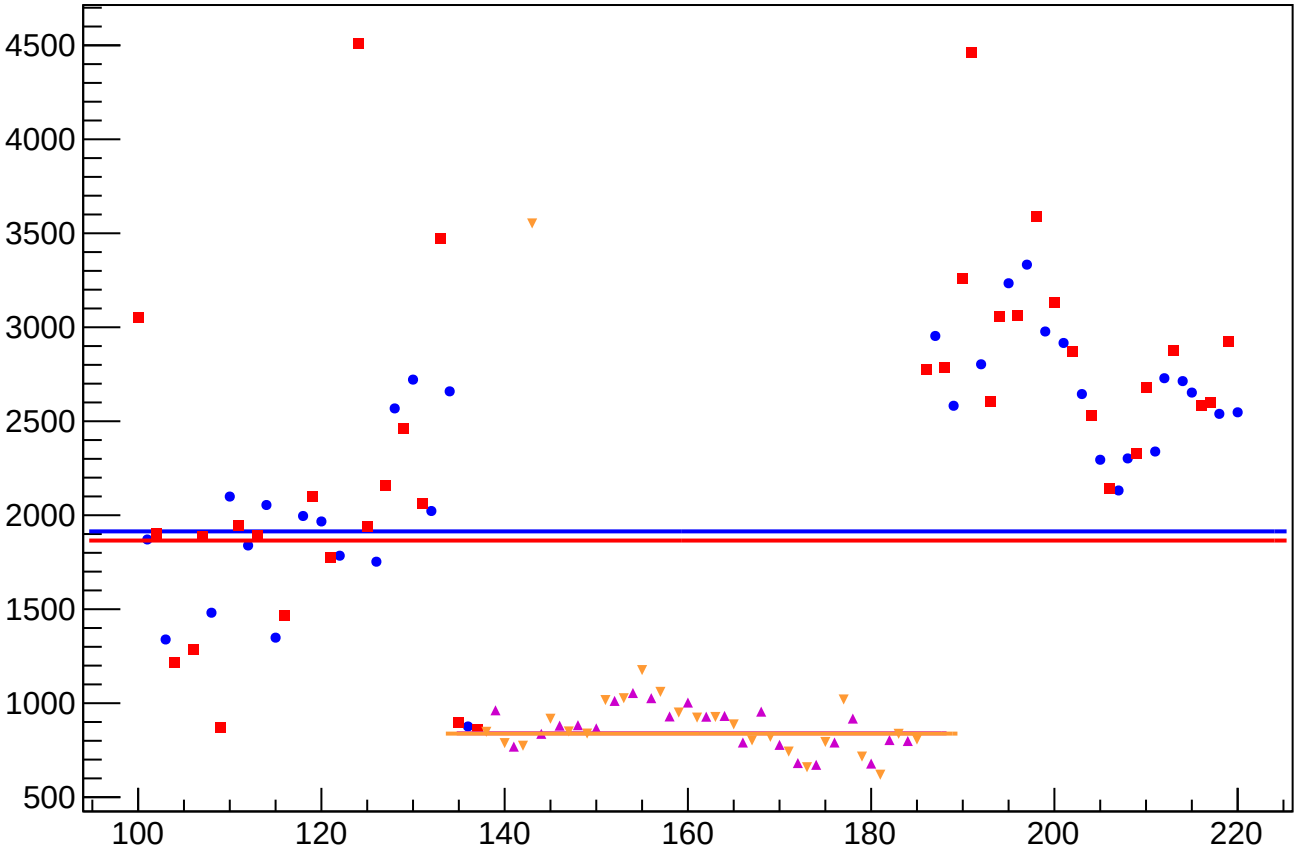
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 814.290+/-179.307 χ^2/NDF: 114.6/57

All: 634.803+/-127.458 χ^2/NDF: 166.6/117

- sign 451.479+/-181.213 χ^2/NDF: 50.0/59

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1914.071+/-0.317 χ^2/NDF: 5350001.2/32

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1865.351+/-0.314 χ^2/NDF: 6818652.9/36

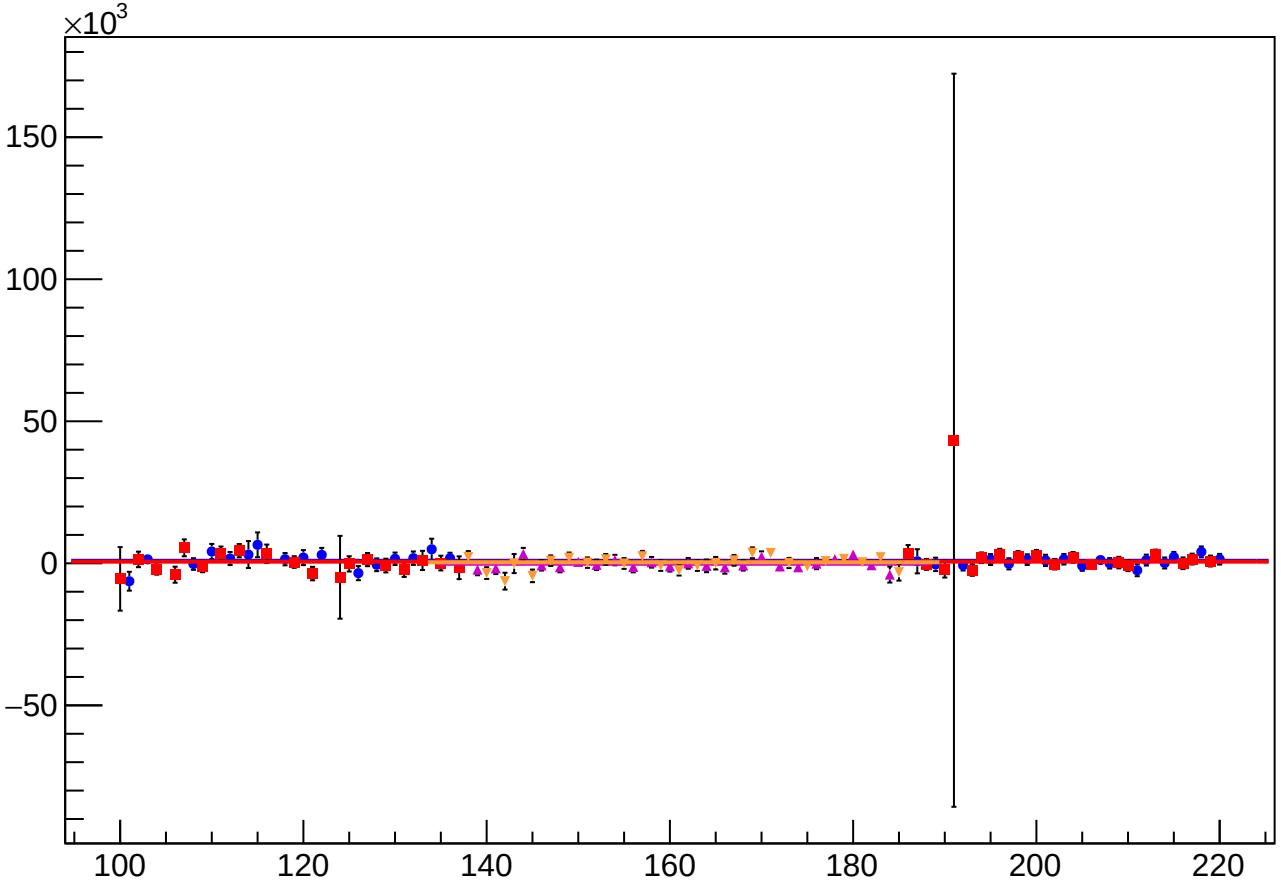
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 1010.657+/-0.127 χ^2/NDF: 16839595.0/57

All: 1010.699+/-0.090 χ^2/NDF: 33215940.1/1

- sign 1010.743+/-0.128 χ^2/NDF: 16376344.9/59

cor_asym_at2_dd_mean vs Slug



Right In: 893.001+/-372.703 χ^2/NDF: 23.4/32

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 583.280+/-373.904 χ^2/NDF: 31.3/36

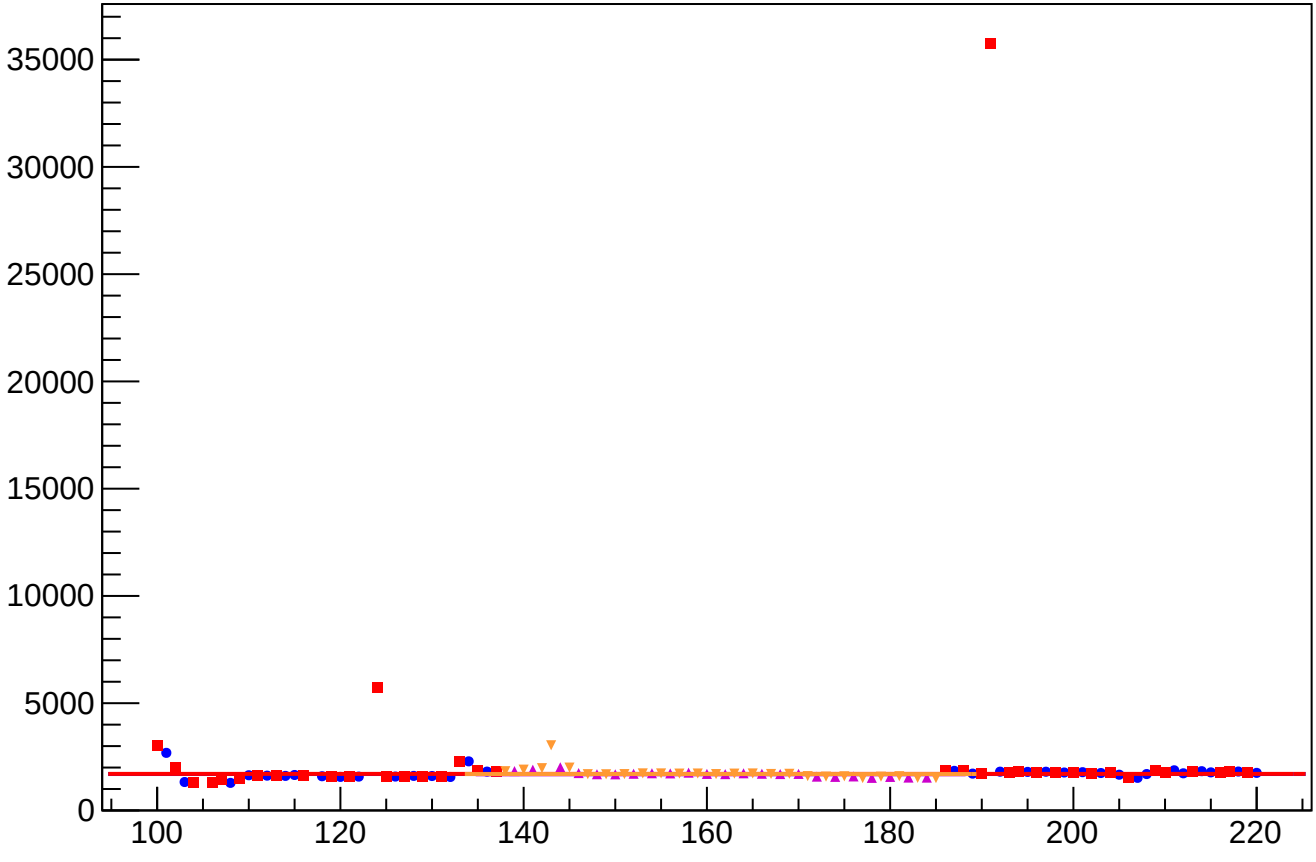
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

\+ sign 638.053+/-268.829 χ^2/NDF: 53.9/57

All: 437.266+/-190.959 χ^2/NDF: 104.3/117

\- sign 232.772+/-271.300 χ^2/NDF: 49.2/59

cor_asym_at2_dd_rms vs Slug



Right In: 1698.550+/-0.264 χ^2/NDF: 533145.4/32

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1704.462+/-0.264 χ^2/NDF: 734008.7/36

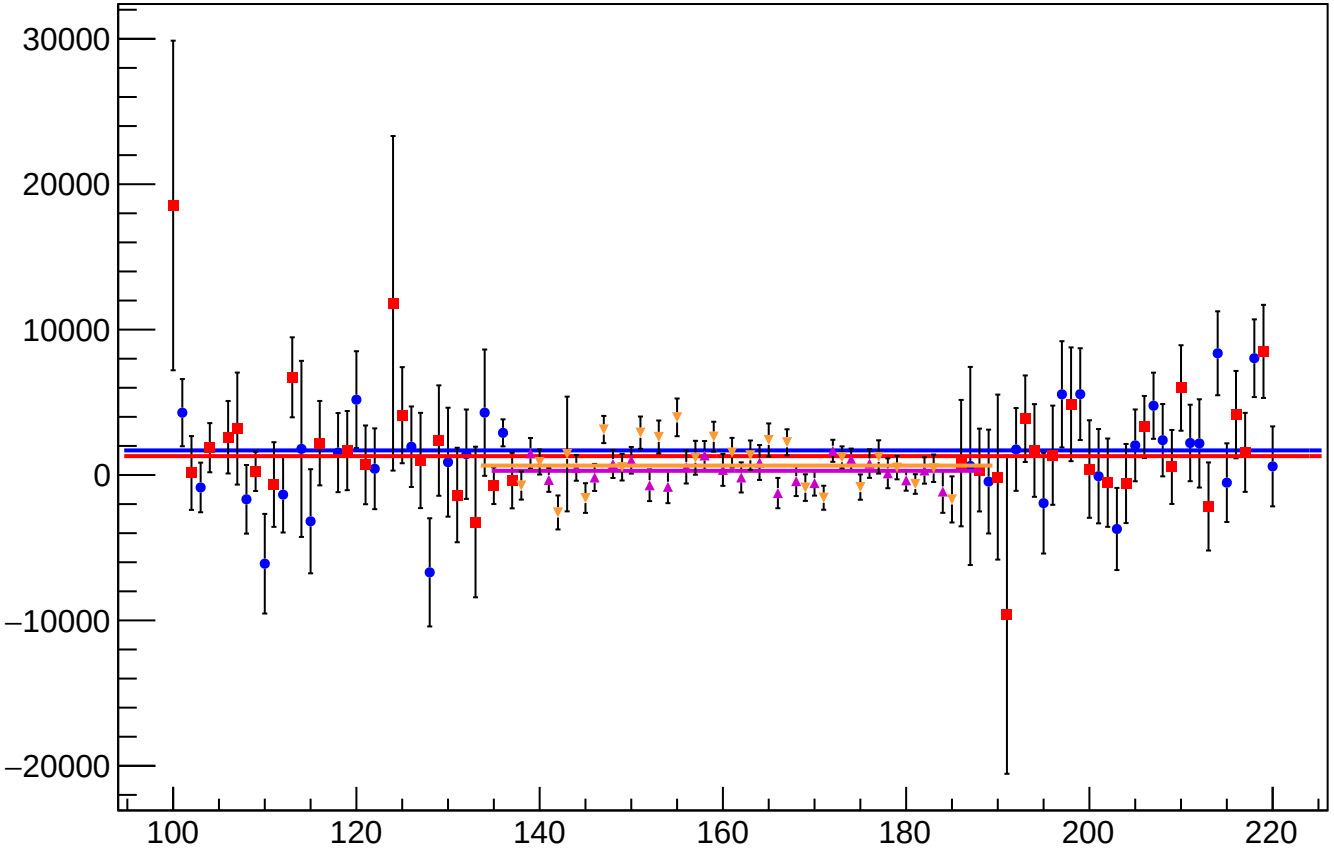
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1698.044+/-0.190 χ^2/NDF: 1028550.9/57

All: 1696.559+/-0.135 χ^2/NDF: 1930717.2/11

- sign 1695.046+/-0.192 χ^2/NDF: 902043.0/59

asym_at2_dd_cor_correction_mean vs Slug



Right In: 1692.384+/-447.521 χ^2/NDF: 44.3/32

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1298.704+/-443.658 χ^2/NDF: 29.2/36

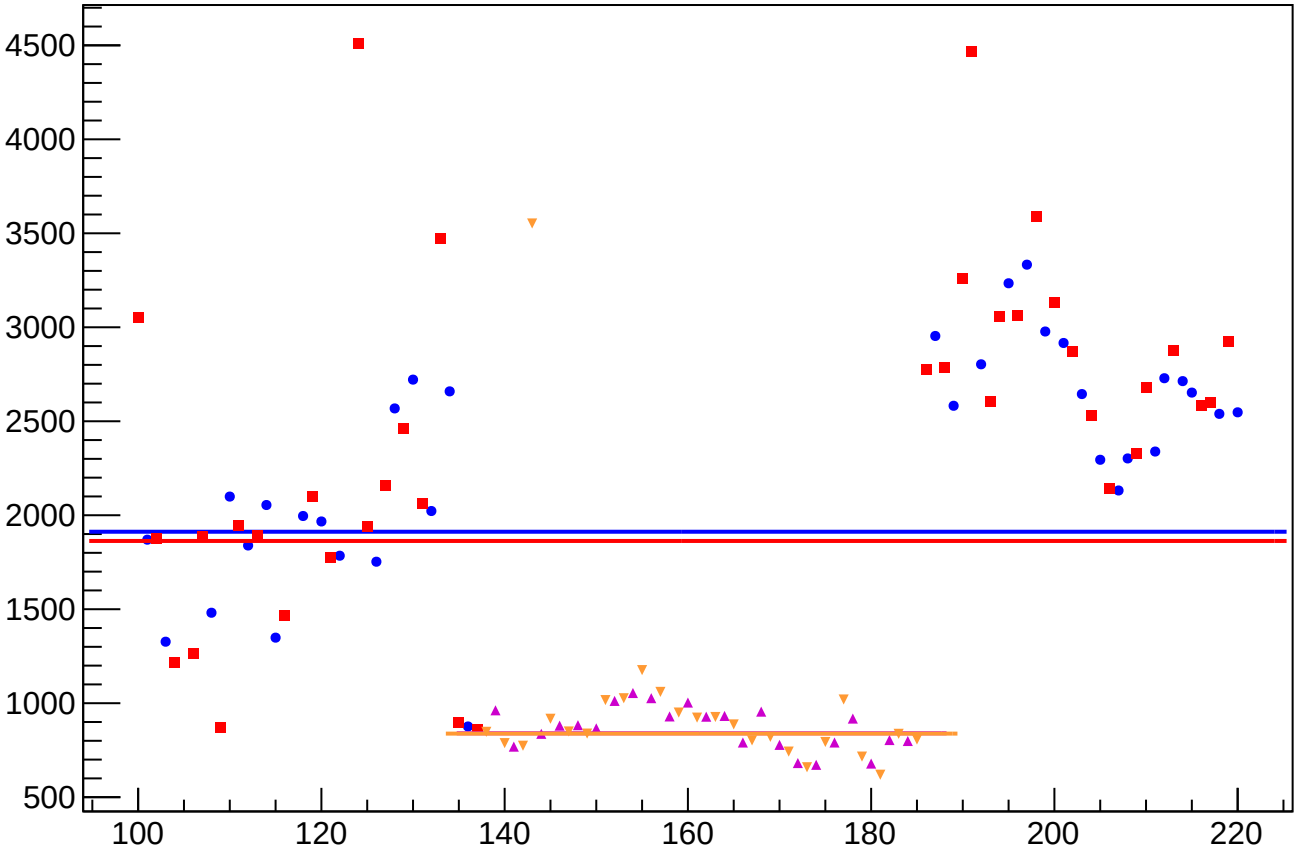
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 816.595+/-179.284 χ^2/NDF: 114.3/57

All: 638.731+/-127.441 χ^2/NDF: 166.4/117

- sign 457.072+/-181.187 χ^2/NDF: 50.1/59

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1912.272+/-0.316 χ^2/NDF: 5364818.6/32

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1863.201+/-0.314 χ^2/NDF: 6831627.9/36

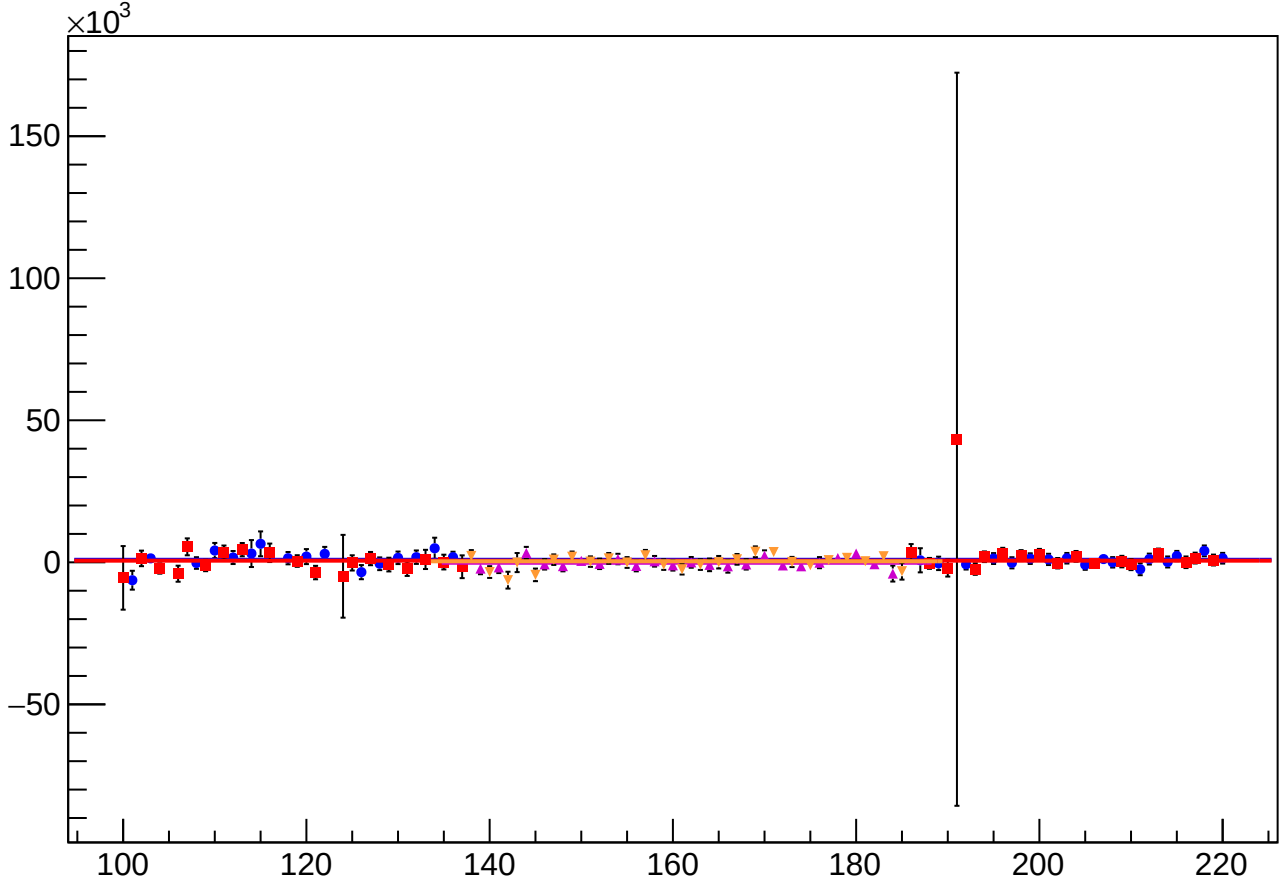
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 1010.627+/-0.127 χ^2/NDF: 16835474.7/57

All: 1010.632+/-0.090 χ^2/NDF: 33200469.3/1

- sign 1010.637+/-0.128 χ^2/NDF: 16364994.5/59

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 893.001+/-372.703 χ^2/NDF: 23.4/32

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 583.280+/-373.904 χ^2/NDF: 31.3/36

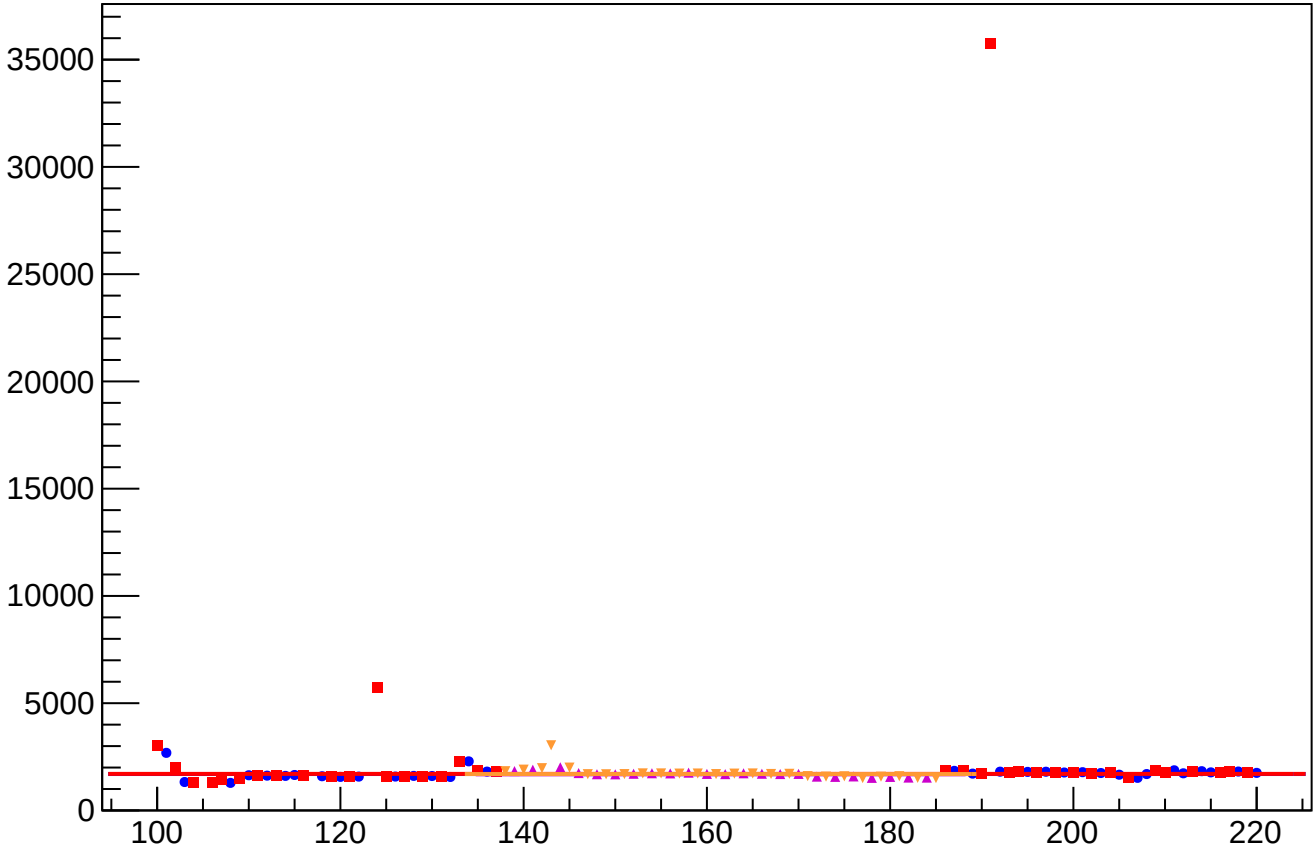
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 638.053+/-268.829 χ^2/NDF: 53.9/57

All: 437.266+/-190.959 χ^2/NDF: 104.3/117

- sign 232.772+/-271.300 χ^2/NDF: 49.2/59

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1698.550+/-0.264 χ^2/NDF: 533145.4/32

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

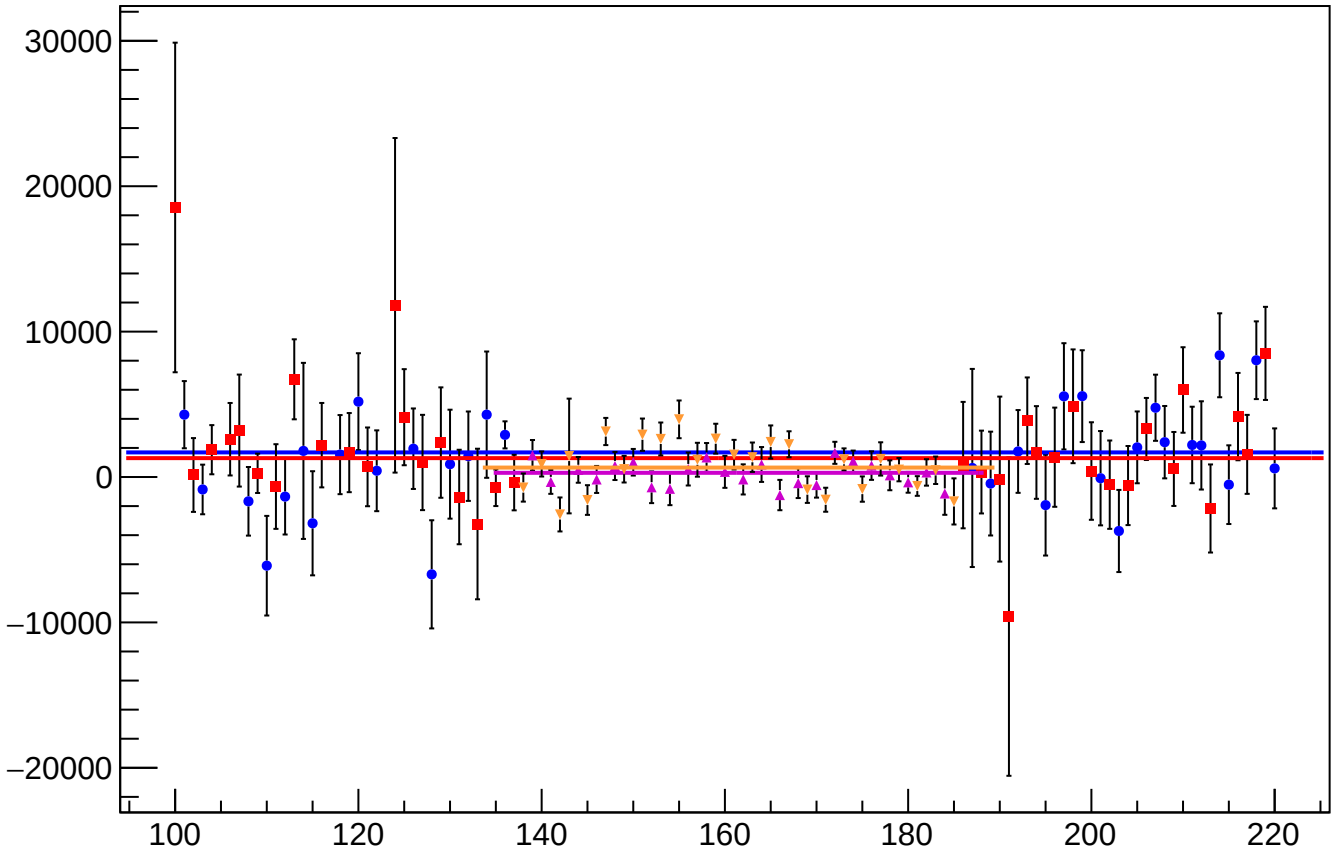
Right Out: 1704.462+/-0.264 χ^2/NDF: 734008.7/36

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1698.044+/-0.190 χ^2/NDF: 1028550.9/57

All: 1696.559+/-0.135 χ^2/NDF: 1930717.2/11

- sign 1695.046+/-0.192 χ^2/NDF: 902043.0/59



Right In: 1692.384+/-447.521 χ^2/NDF: 44.3/32

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

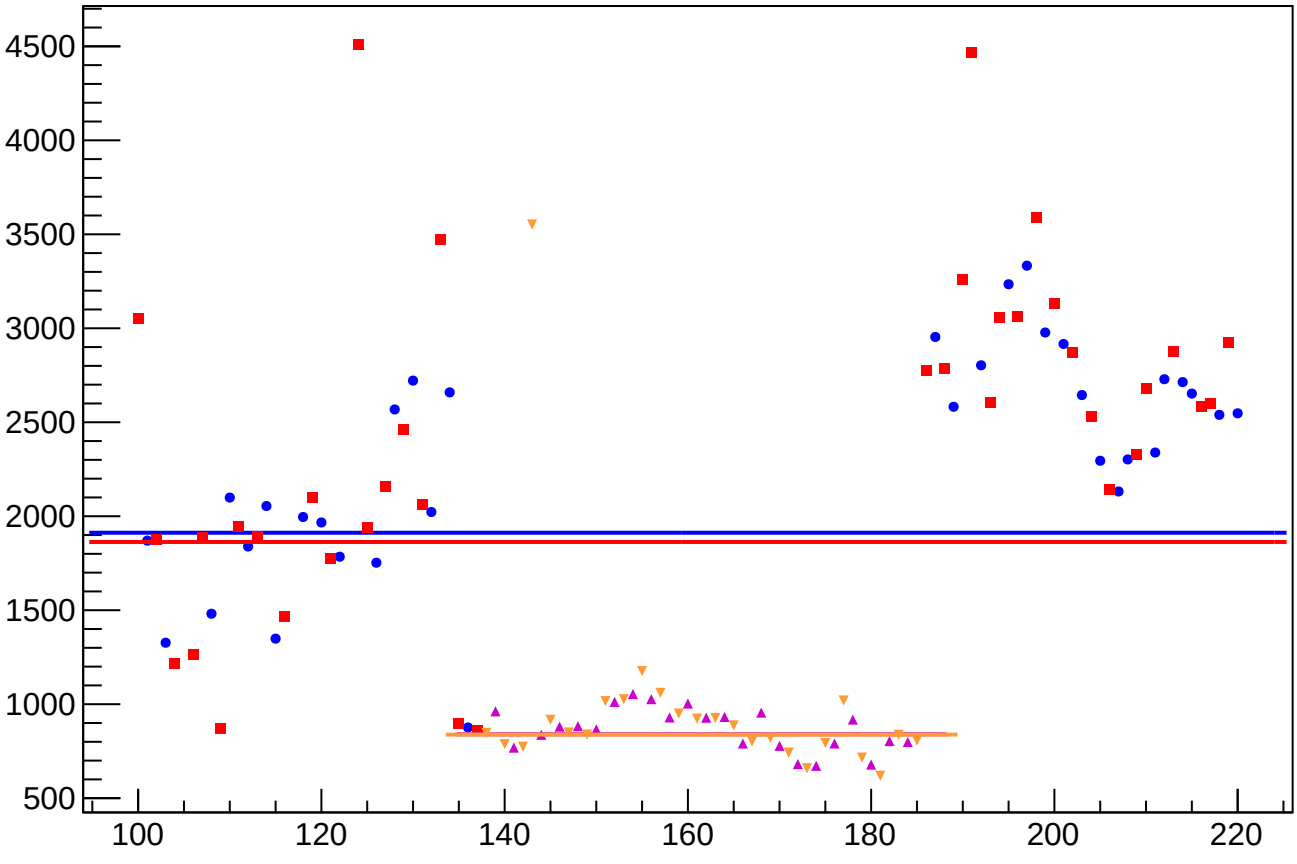
Right Out: 1298.704+/-443.658 χ^2/NDF: 29.2/36

Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 816.595+/-179.284 χ^2/NDF: 114.3/57

All: 638.731+/-127.441 χ^2/NDF: 166.4/117

- sign 457.072+/-181.187 χ^2/NDF: 50.1/59



Right In: 1912.272+/-0.316 χ^2/NDF: 5364818.6/32

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1863.201+/-0.314 χ^2/NDF: 6831627.9/36

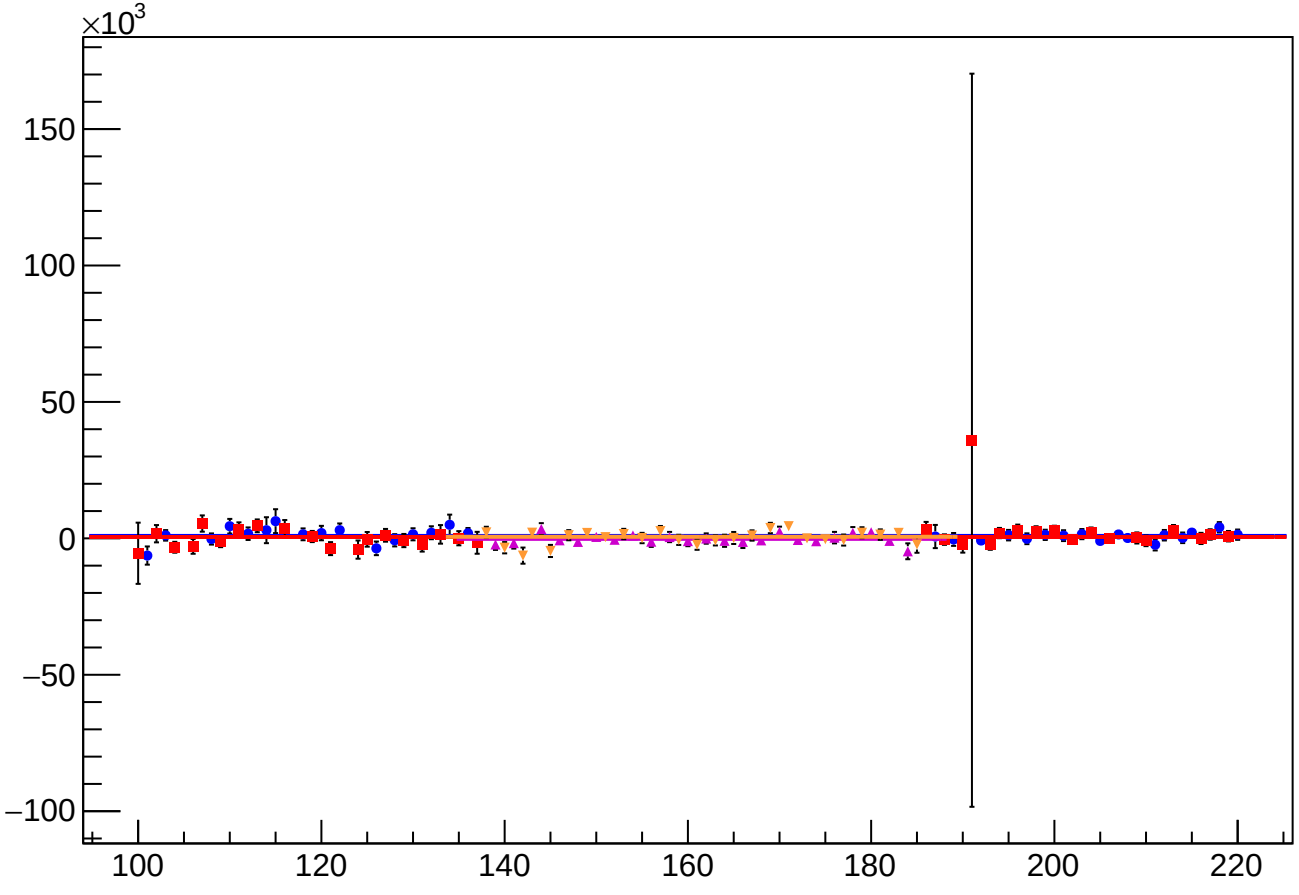
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 1010.627+/-0.127 χ^2/NDF: 16835474.7/57

All: 1010.632+/-0.090 χ^2/NDF: 33200469.3/1

- sign 1010.637+/-0.128 χ^2/NDF: 16364994.5/59

dit_asym_at2_dd_mean vs Slug



Right In: 885.952+/-374.927 χ^2/NDF: 23.8/32

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 500.993+/-374.351 χ^2/NDF: 33.7/36

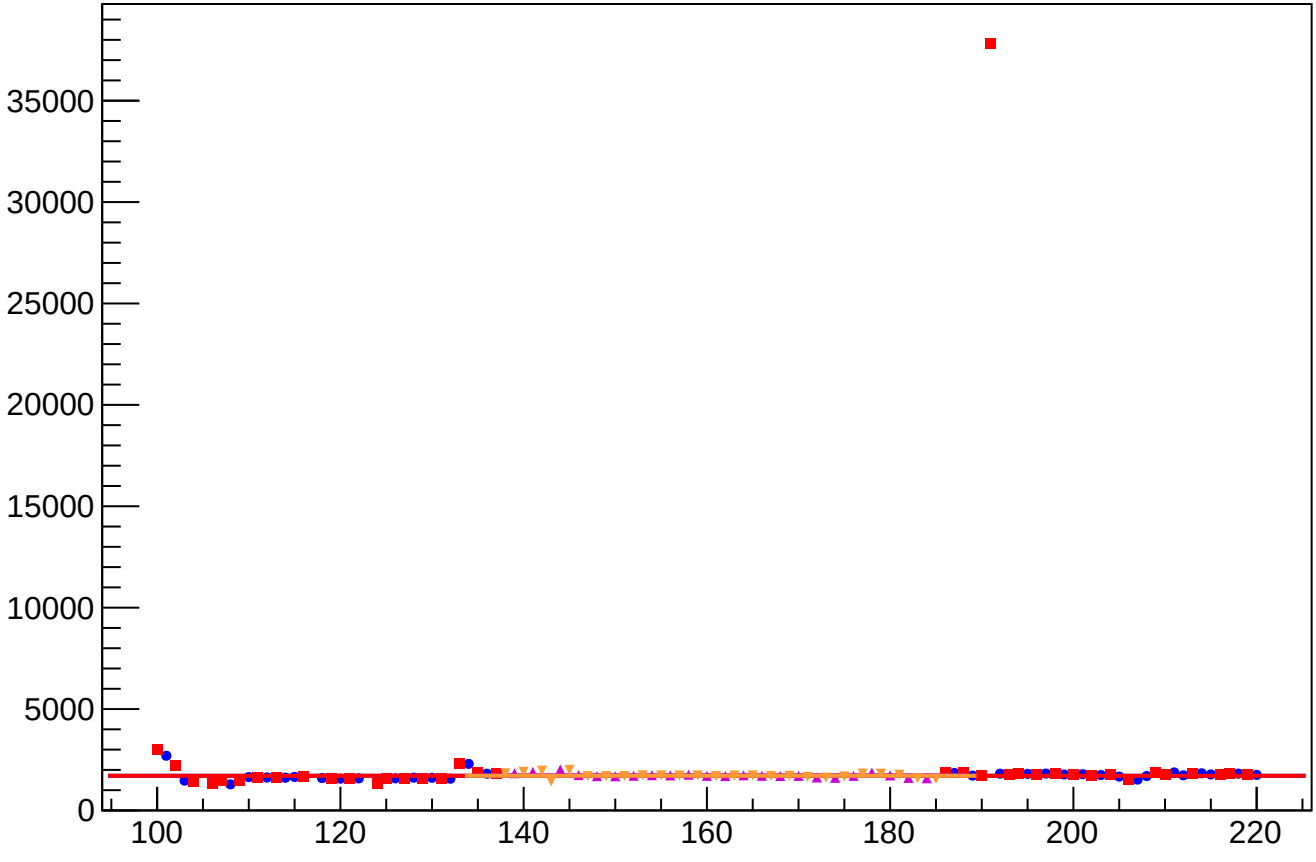
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 739.056+/-270.208 χ^2/NDF: 56.1/57

All: 465.915+/-192.607 χ^2/NDF: 107.9/117

- sign 183.783+/-274.620 χ^2/NDF: 49.7/59

dit_asym_at2_dd_rms vs Slug



Right In: 1709.946+/-0.265 χ^2/NDF: 472583.2/32

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1709.037+/-0.265 χ^2/NDF: 592570.8/36

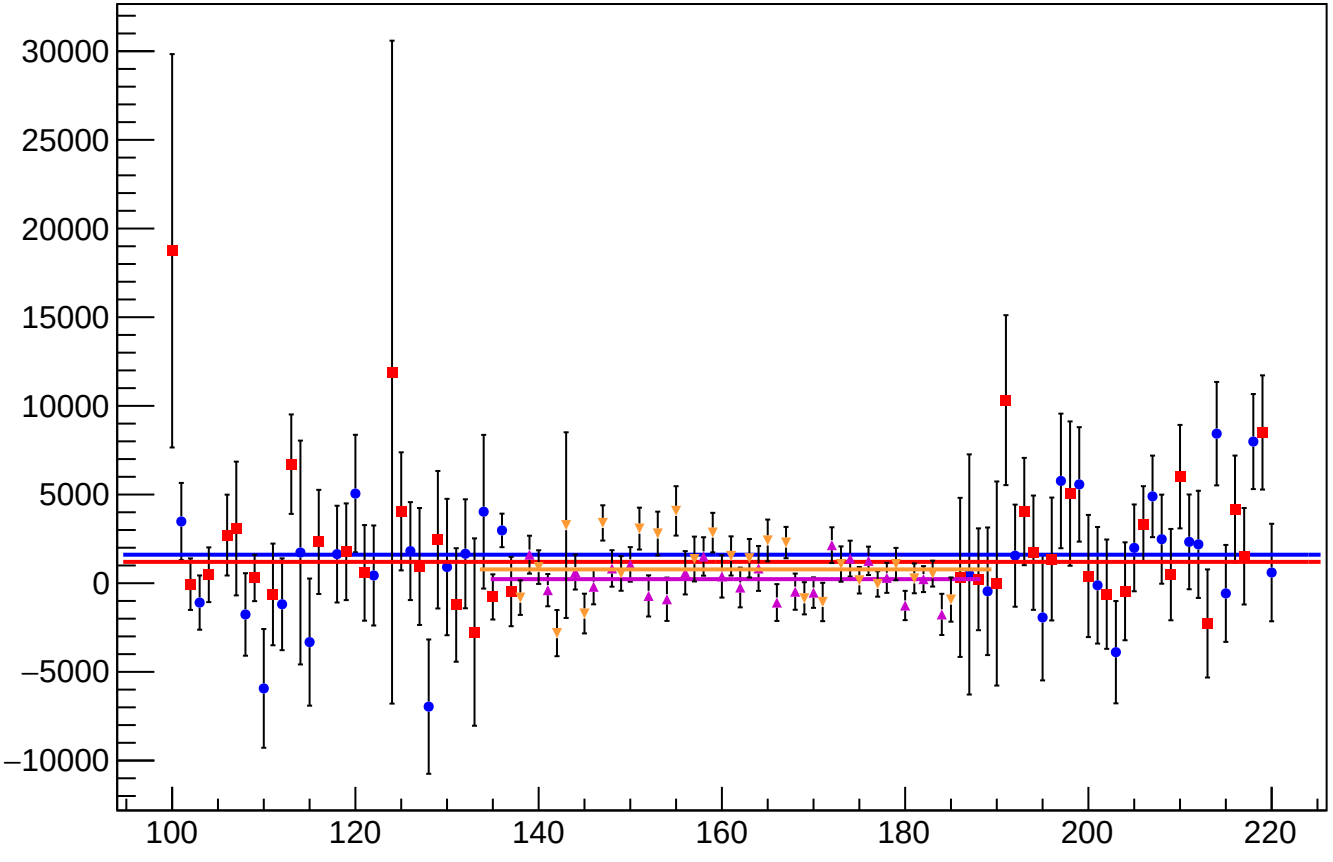
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1710.794+/-0.191 χ^2/NDF: 640610.9/57

All: 1714.218+/-0.136 χ^2/NDF: 1336409.6/11

- sign 1717.754+/-0.194 χ^2/NDF: 695146.0/59

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1607.237+/-446.112 χ^2/NDF: 45.1/32

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 1203.023+/-426.358 χ^2/NDF: 32.2/36

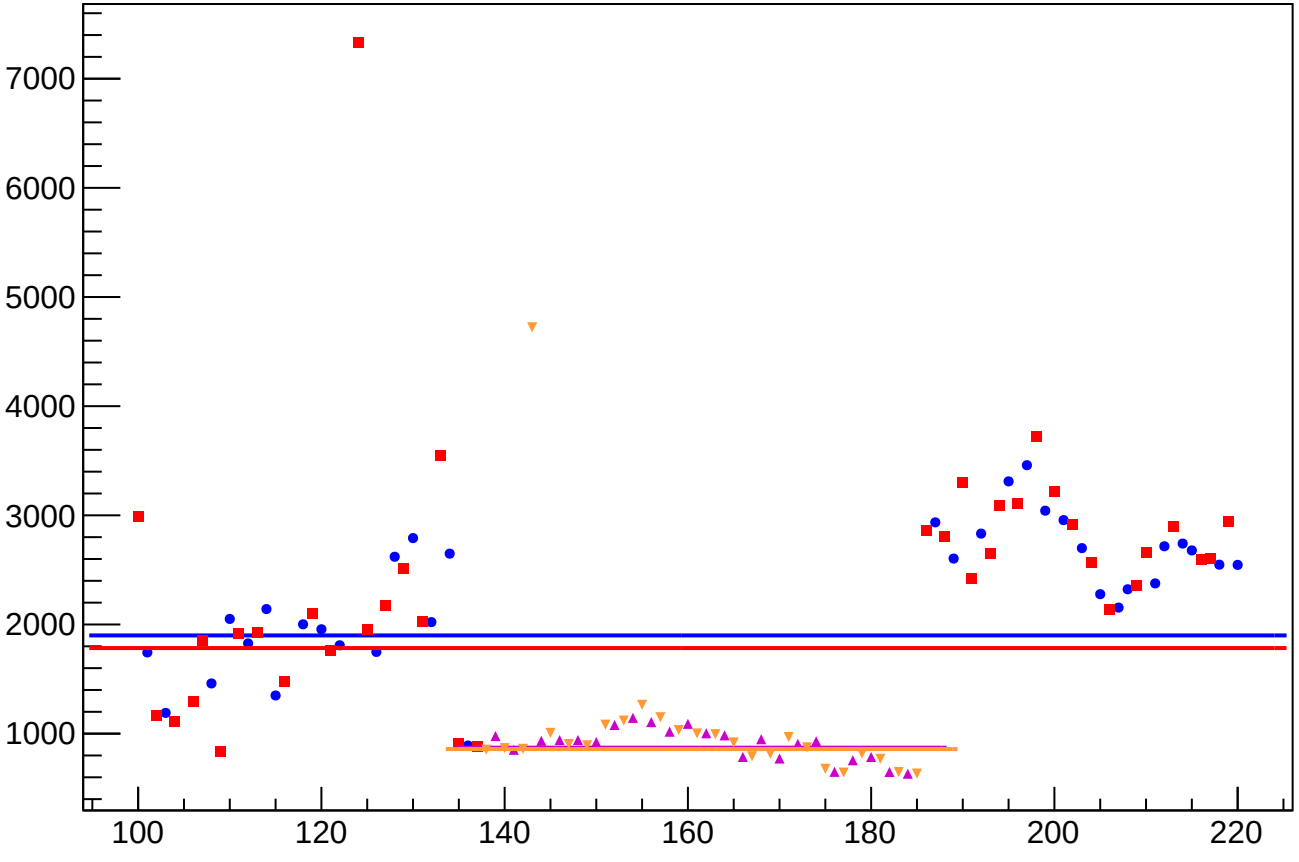
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

\+ sign 919.483+/-183.743 χ^2/NDF: 102.5/57

All: 669.956+/-130.716 χ^2/NDF: 165.3/117

\- sign 414.269+/-185.997 χ^2/NDF: 59.1/59

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1899.713+/-0.315 χ^2/NDF: 5587782.3/32

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

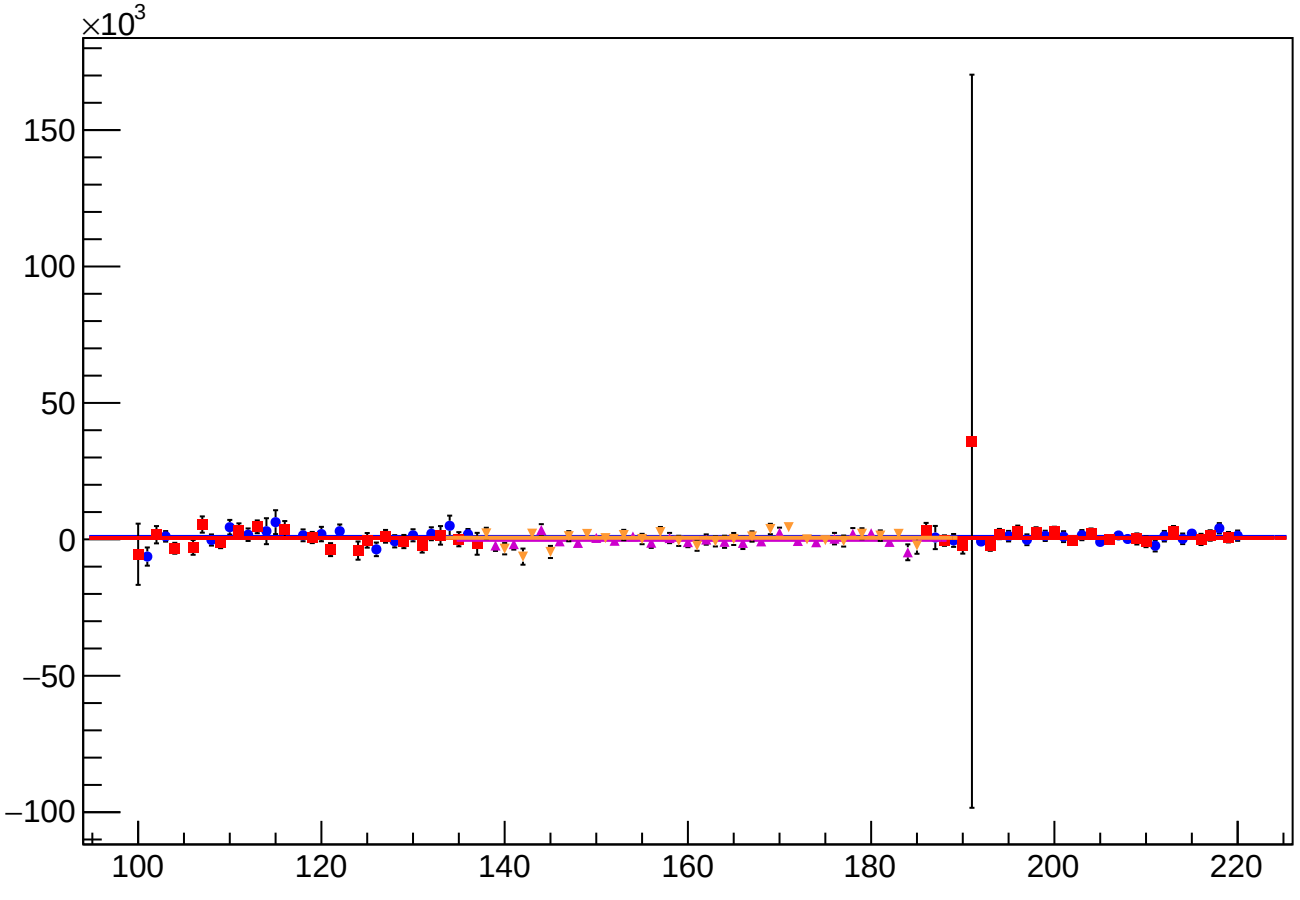
Right Out: 1783.920+/-0.301 χ^2/NDF: 7592197.6/36

Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 1035.211+/-0.130 χ^2/NDF: 16912582.7/57

All: 1040.128+/-0.092 χ^2/NDF: 32902936.0/1

- sign 1045.165+/-0.132 χ^2/NDF: 15987454.2/59



Right In: 885.944+/-374.927 χ^2/NDF: 23.8/32

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 500.989+/-374.351 χ^2/NDF: 33.7/36

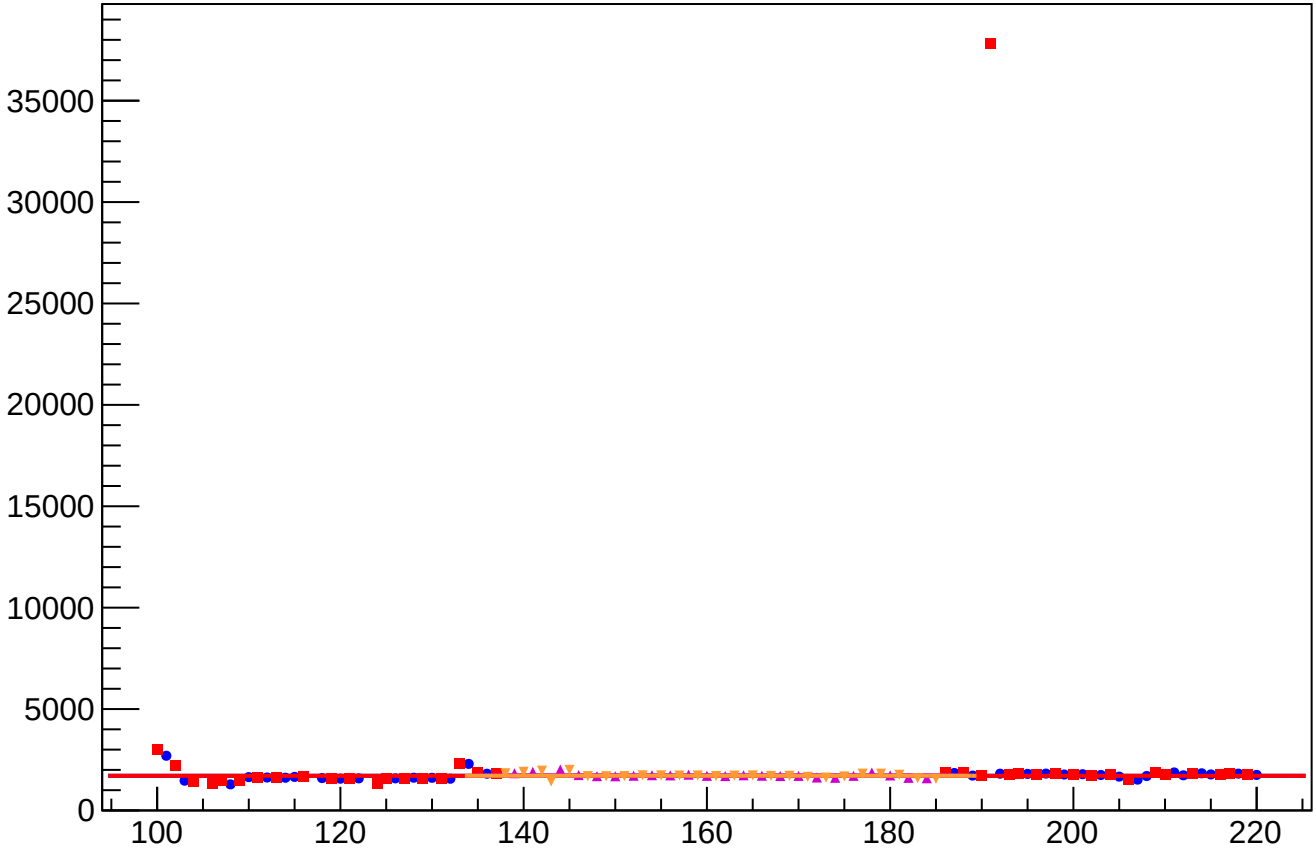
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 739.049+/-270.208 χ^2/NDF: 56.1/57

All: 465.911+/-192.607 χ^2/NDF: 107.9/117

- sign 183.780+/-274.620 χ^2/NDF: 49.7/59

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1709.946+/-0.265 χ^2/NDF: 472583.1/32

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

Right Out: 1709.037+/-0.265 χ^2/NDF: 592570.9/36

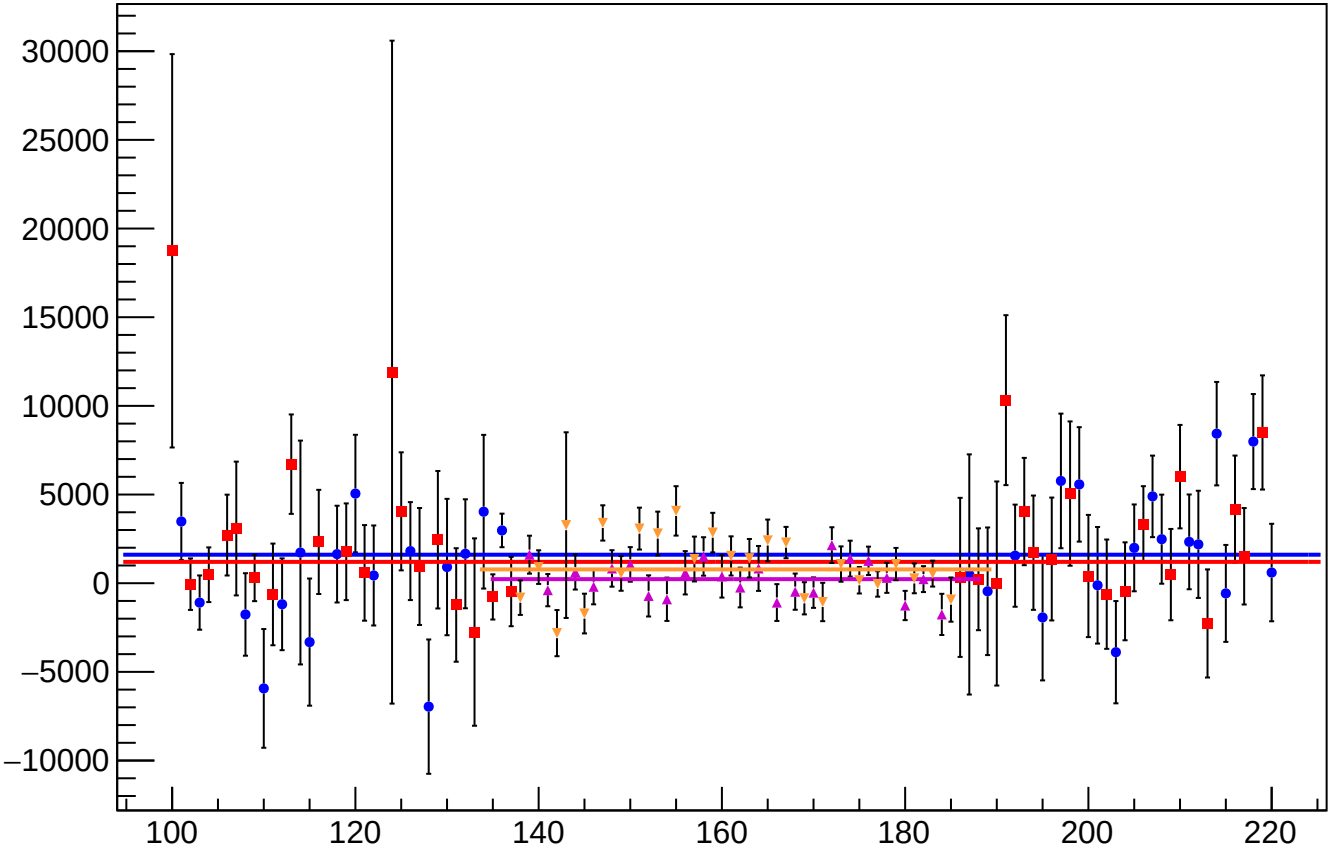
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1710.794+/-0.191 χ^2/NDF: 640609.6/57

All: 1714.218+/-0.136 χ^2/NDF: 1336408.3/11

- sign 1717.754+/-0.194 χ^2/NDF: 695146.0/59

asym_at2_dd_eigen_dit_correction_mean vs Slug



Right In: 1607.237+/-446.113 χ^2/NDF: 45.1/32

Left Out: 778.977+/-201.641 χ^2/NDF:54.5/24

Right Out: 1203.035+/-426.360 χ^2/NDF: 32.2/36

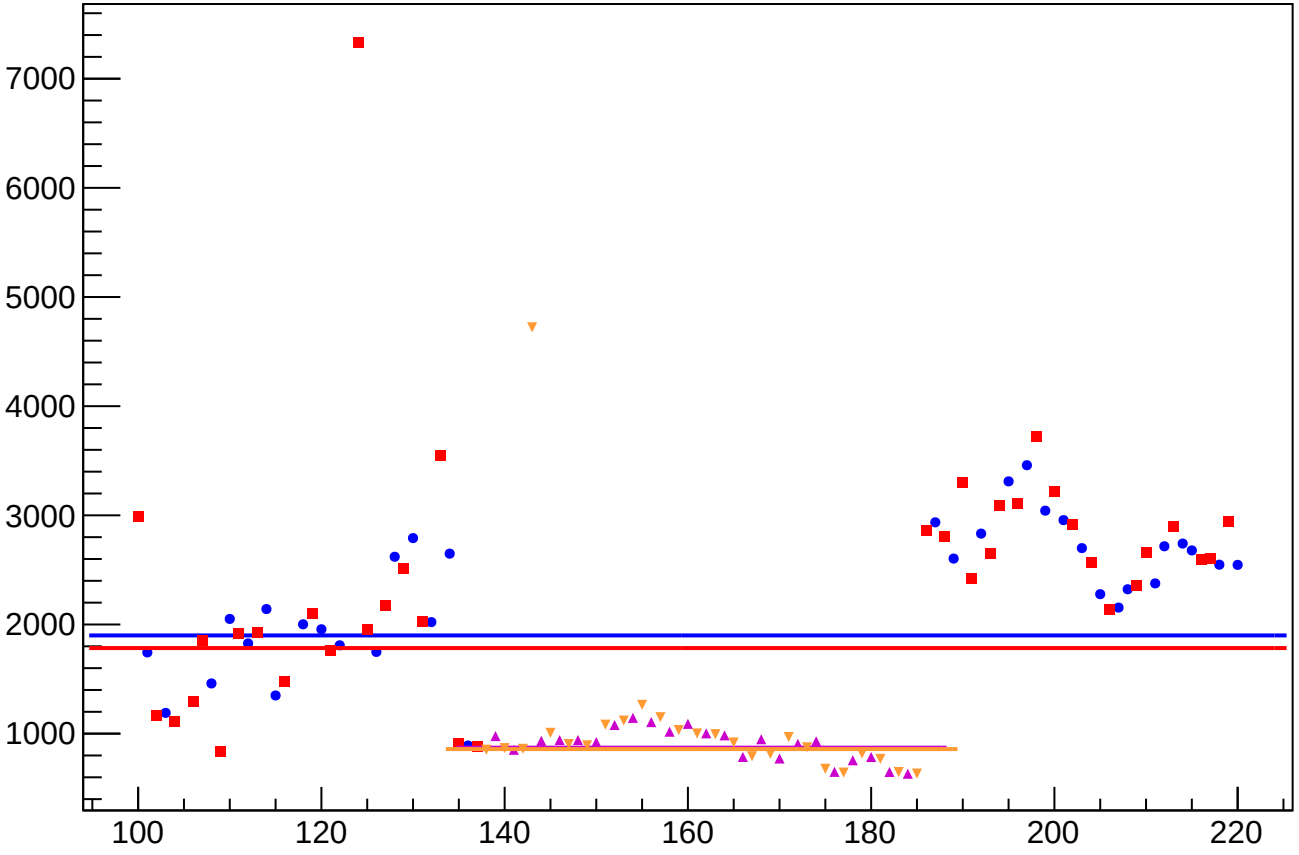
Left In: 228.876+/-206.703 χ^2/NDF:22.6/22

\+ sign 919.484+/-183.743 χ^2/NDF: 102.5/57

All: 669.956+/-130.716 χ^2/NDF: 165.3/117

\- sign 414.268+/-185.997 χ^2/NDF: 59.1/59

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1899.725+/-0.315 χ^2/NDF: 5587567.4/32

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1783.933+/-0.301 χ^2/NDF: 7592018.4/36

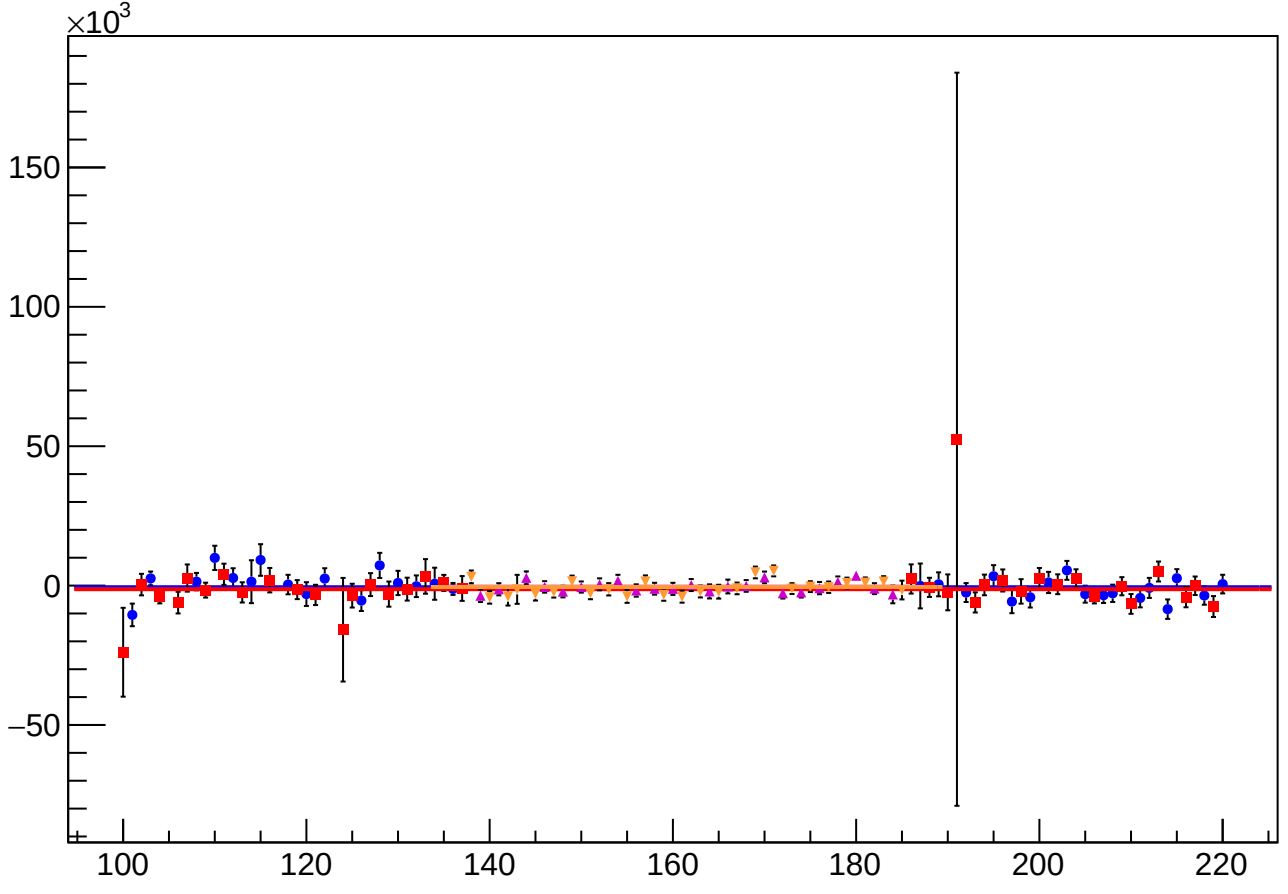
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 1035.212+/-0.130 χ^2/NDF: 16912513.5/57

All: 1040.128+/-0.092 χ^2/NDF: 32902868.8/1

- sign 1045.165+/-0.132 χ^2/NDF: 15987456.9/59

asym_at2_dd_mean vs Slug



Right In: -586.236+/-622.683 χ^2/NDF: 41.6/32

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

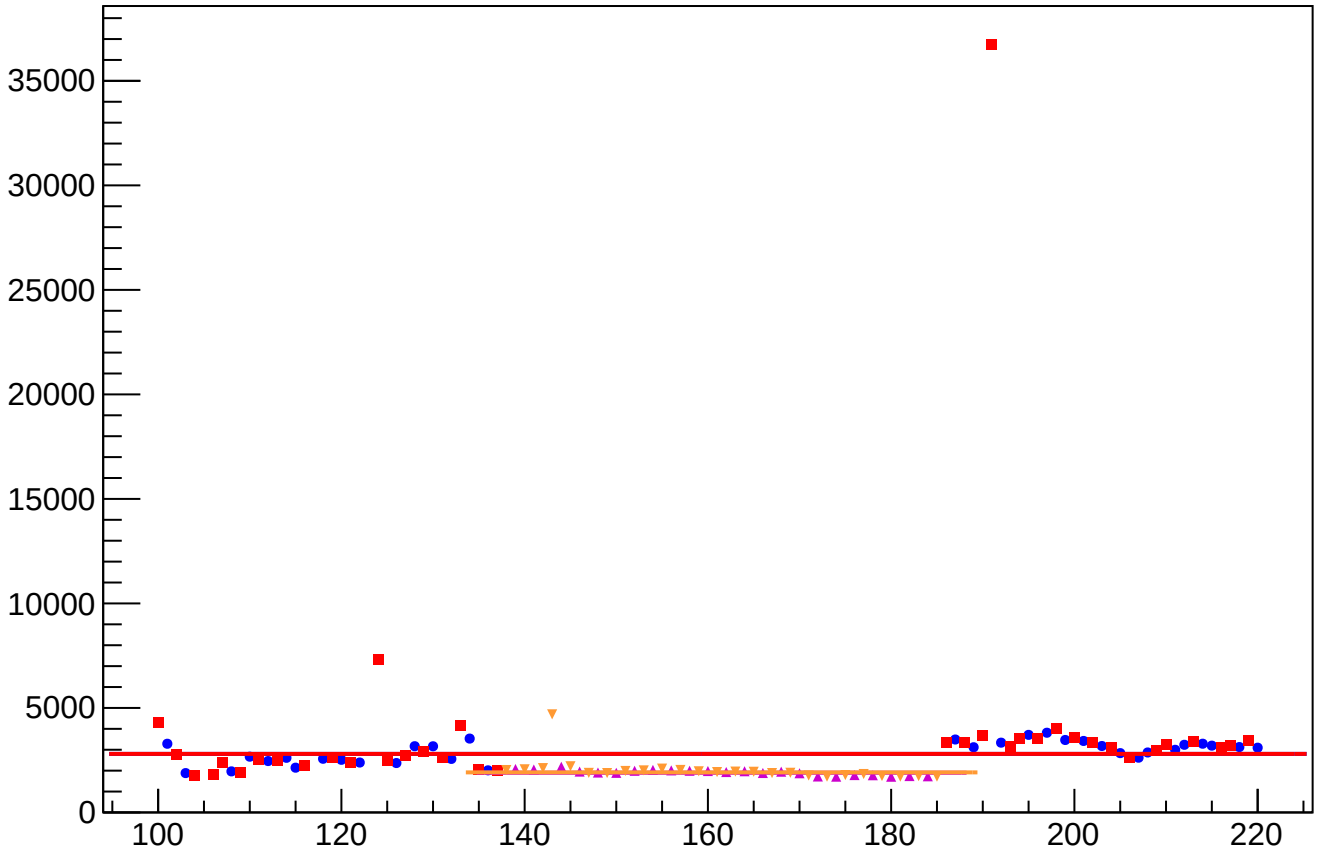
Right Out: -1285.934+/-627.049 χ^2/NDF: 26.5/36

Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -529.724+/-359.295 χ^2/NDF: 77.5/57

All: -615.996+/-255.245 χ^2/NDF: 124.3/117

- sign -703.896+/-362.670 χ^2/NDF: 46.7/59



Right In: 2800.853+/-0.440 χ^2/NDF: 1496565.6/32

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

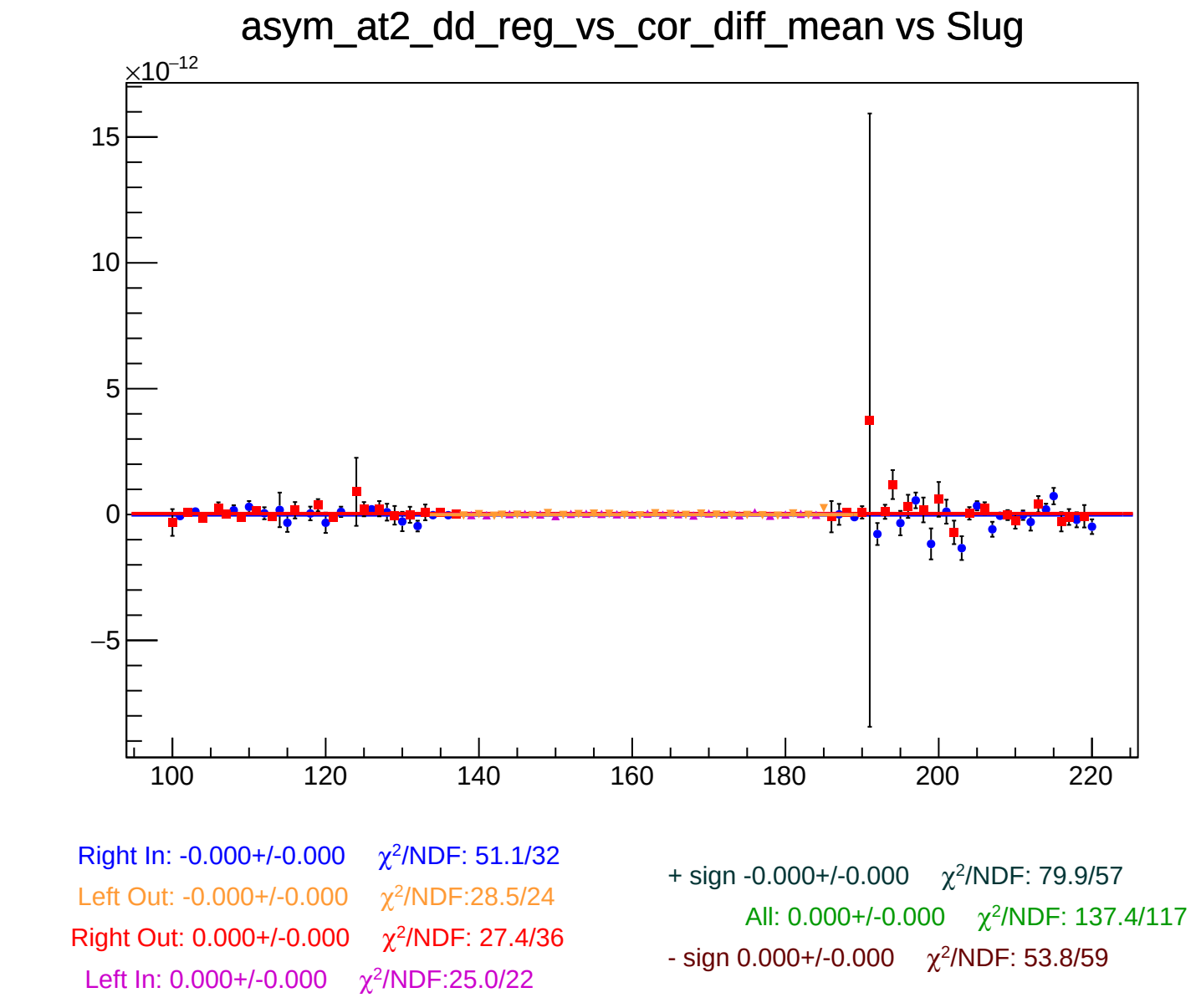
Right Out: 2801.725+/-0.443 χ^2/NDF: 2176279.3/36

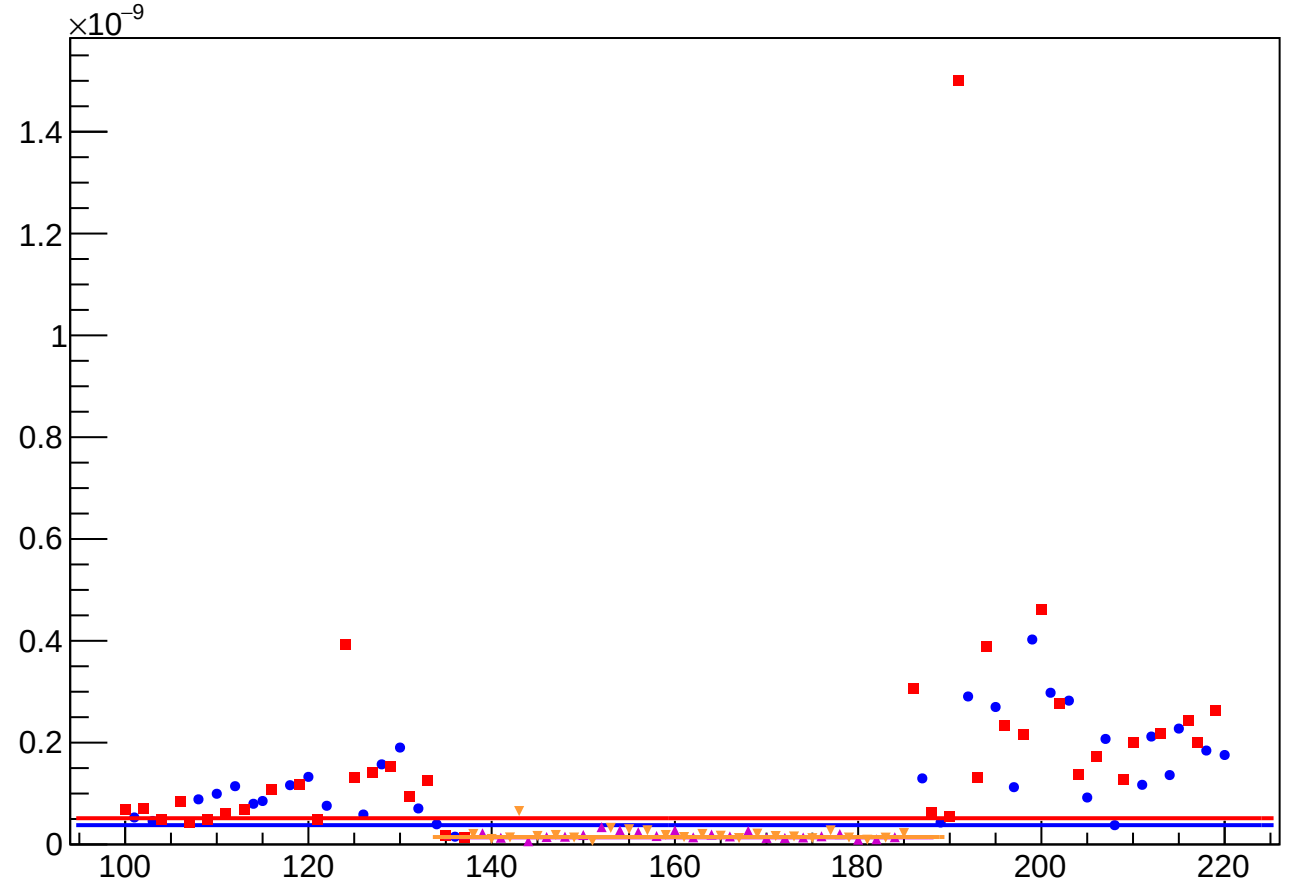
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2211.377+/-0.254 χ^2/NDF: 4939931.4/57

All: 2206.308+/-0.180 χ^2/NDF: 10047415.3/1

- sign 2201.143+/-0.256 χ^2/NDF: 5106680.0/59


asym_at2_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
15
10
5
0
−5
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 51.1/32
Left Out: -0.000+/-0.000 χ²/NDF:28.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.4/36
Left In: 0.000+/-0.000 χ²/NDF:25.0/22
+ sign -0.000+/-0.000 χ²/NDF: 79.9/57
All: 0.000+/-0.000 χ²/NDF: 137.4/117
- sign 0.000+/-0.000 χ²/NDF: 53.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 10037749.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:1874636.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9364314.0/36

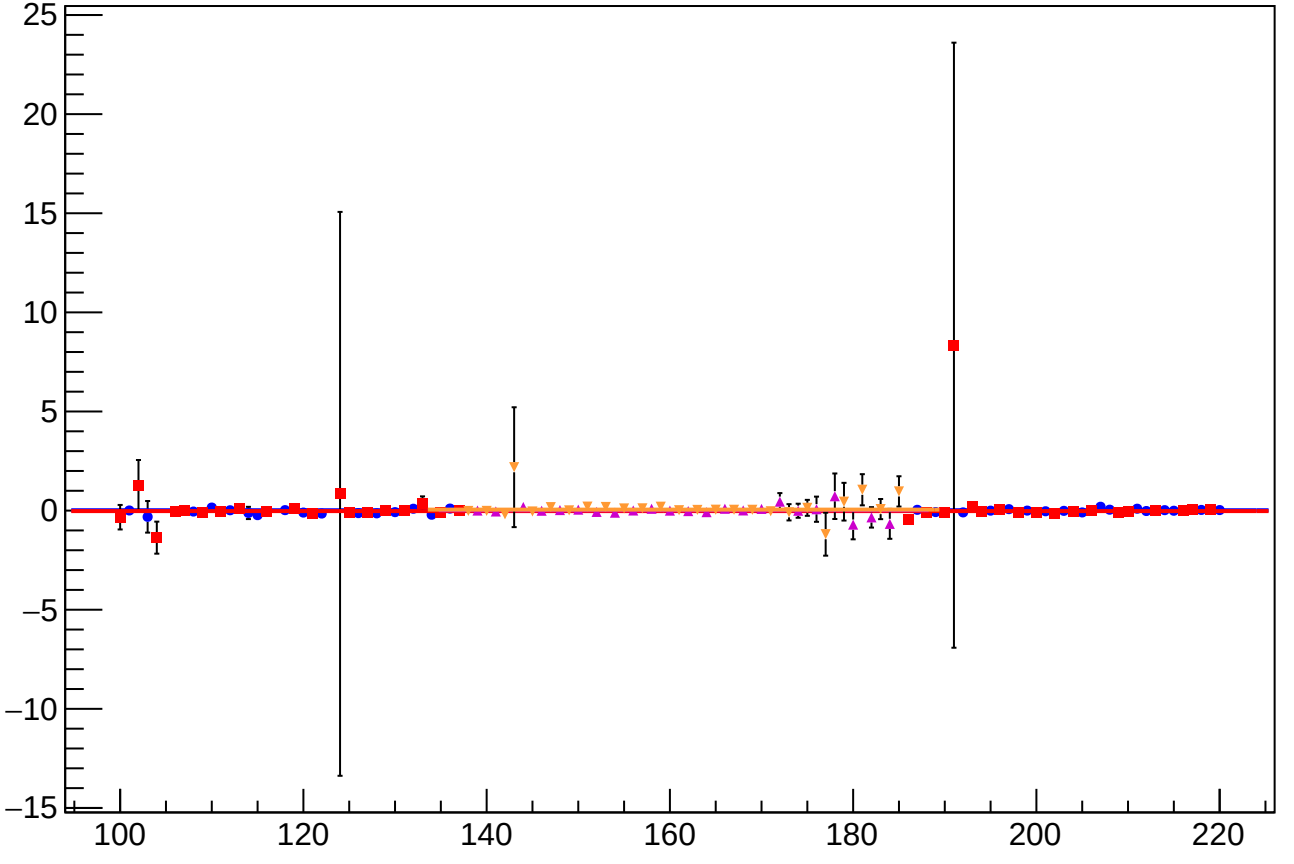
Left In: 0.000+/-0.000 χ^2/NDF:1944578.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14268459.1/57

All: 0.000+/-0.000 χ^2/NDF: 29591767.7/117

- sign 0.000+/-0.000 χ^2/NDF: 15314174.3/59

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.015 χ^2/NDF: 30.7/32

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.025+/-0.015 χ^2/NDF: 28.6/36

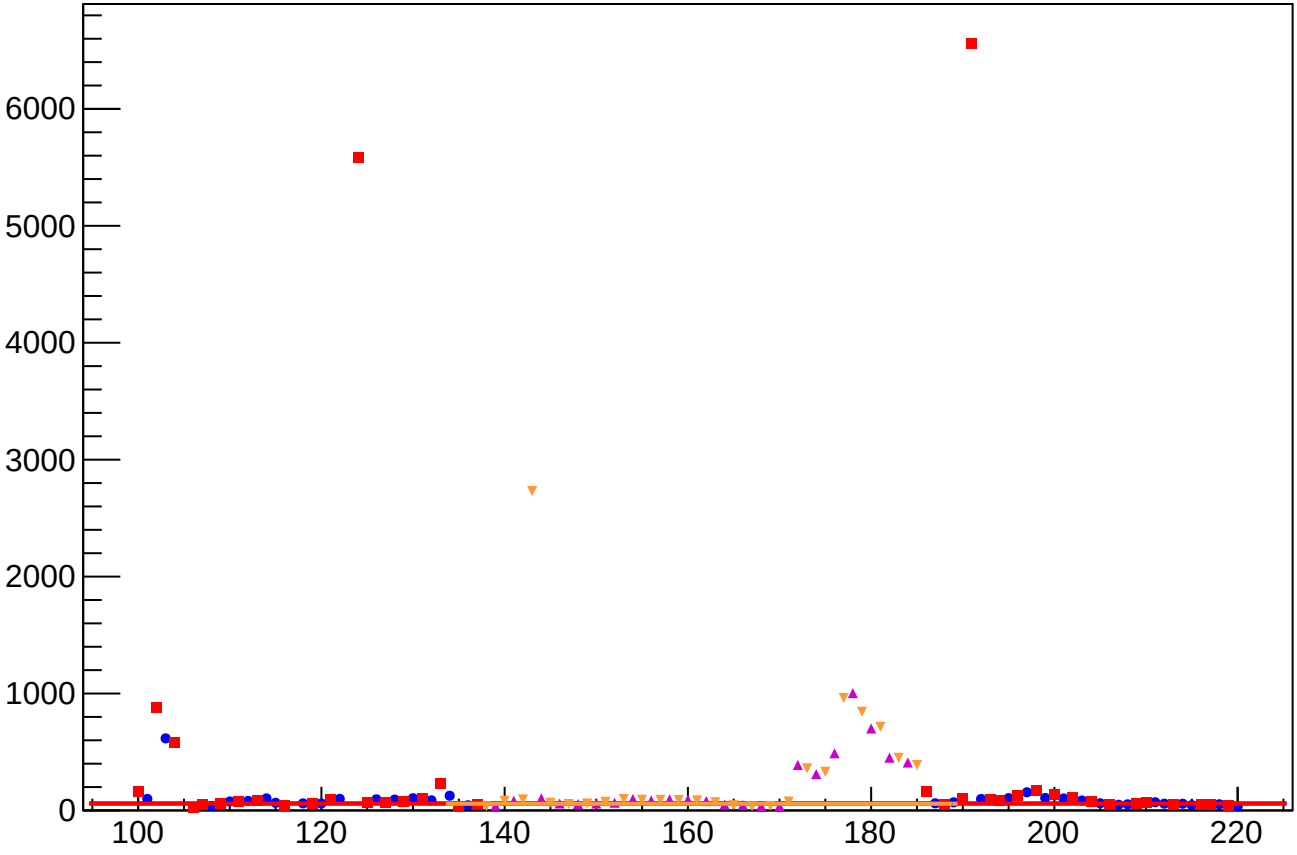
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.011 χ^2/NDF: 57.1/57

All: 0.013+/-0.008 χ^2/NDF: 110.5/117

- sign -0.006+/-0.011 χ^2/NDF: 47.7/59

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 59.578+/-0.010 χ^2/NDF: 5407564.7/32

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 59.029+/-0.011 χ^2/NDF: 7549979.1/36

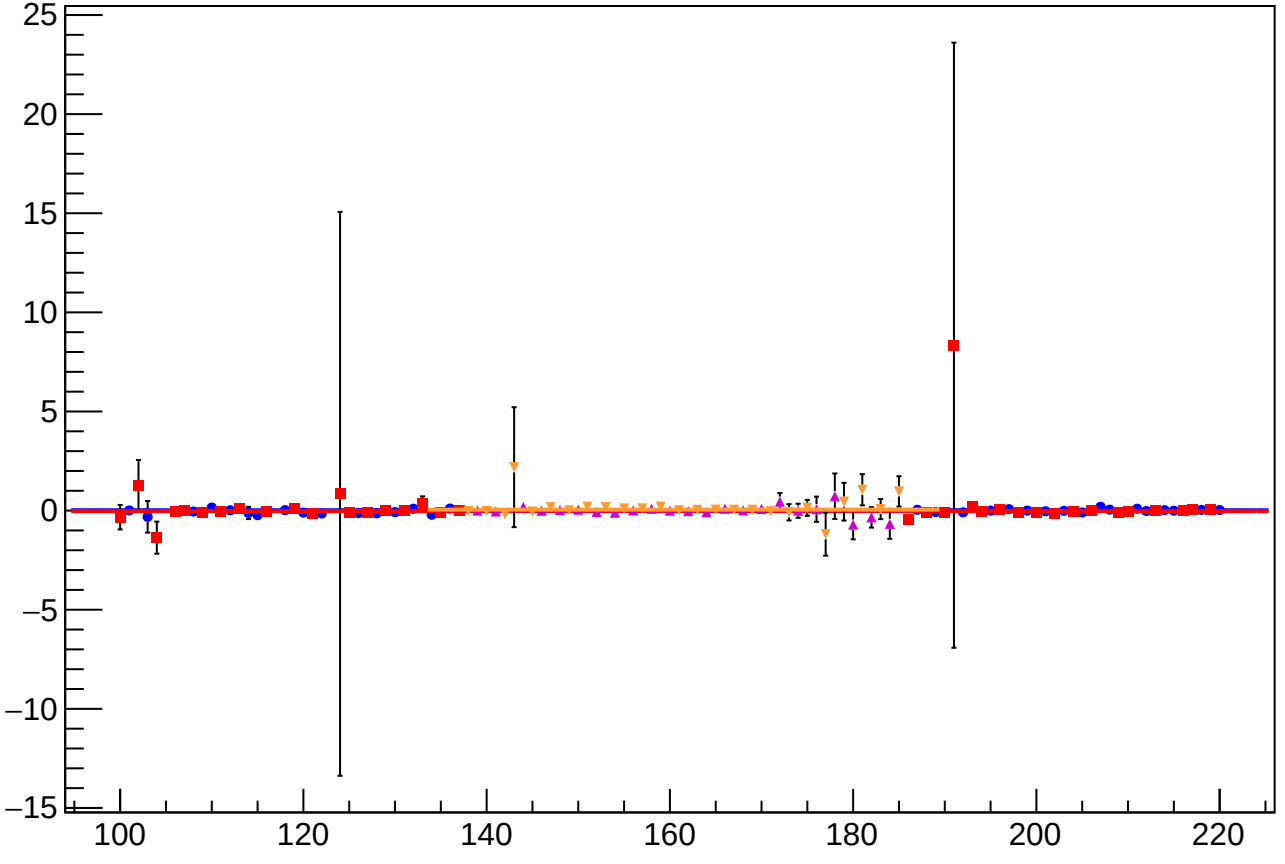
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 58.581+/-0.008 χ^2/NDF: 17750723.9/57

All: 58.706+/-0.006 χ^2/NDF: 35549646.7/117

- sign 58.834+/-0.008 χ^2/NDF: 17798416.5/59

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.019+/-0.015 χ^2/NDF: 30.7/32

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.025+/-0.015 χ^2/NDF: 28.6/36

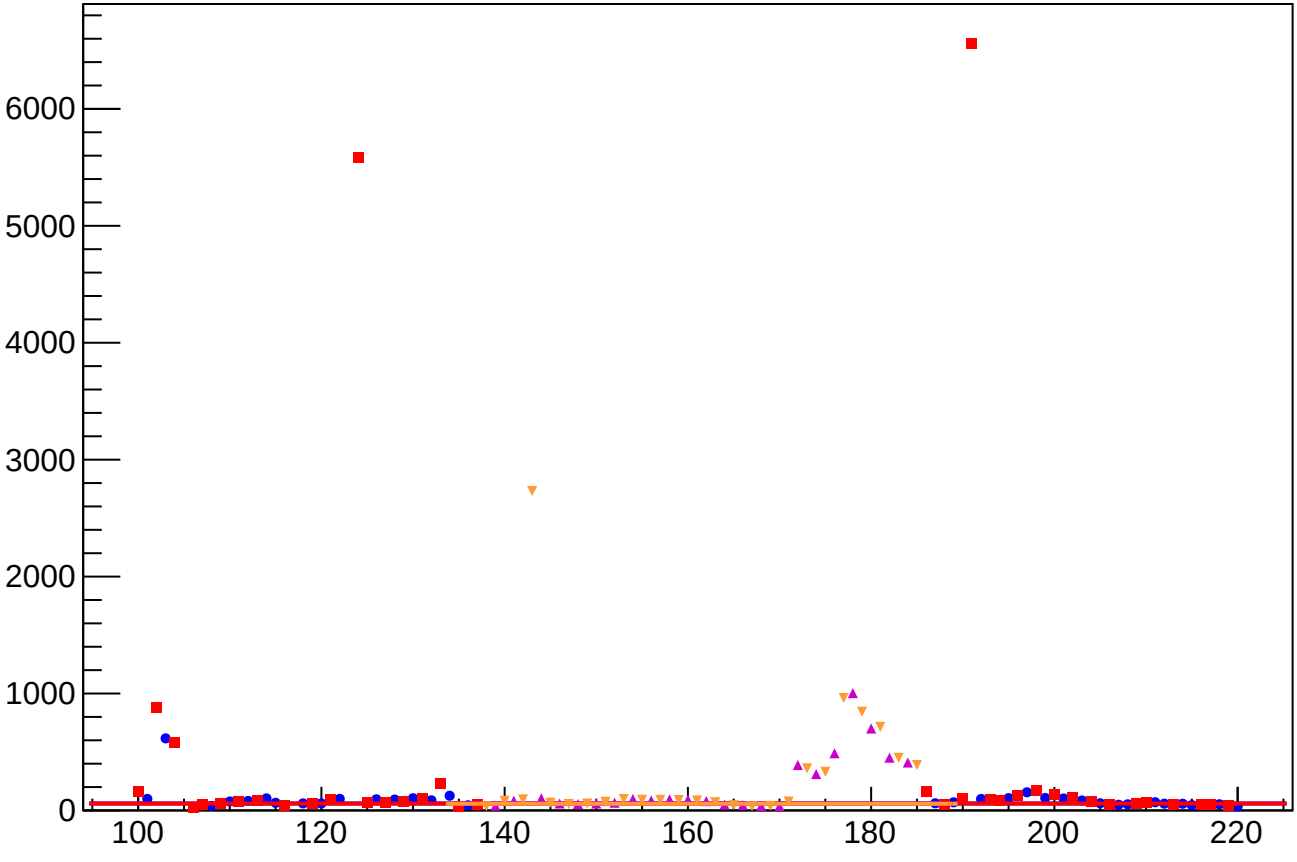
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.011 χ^2/NDF: 57.1/57

All: 0.013+/-0.008 χ^2/NDF: 110.5/117

- sign -0.006+/-0.011 χ^2/NDF: 47.7/59

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.578+/-0.010 χ^2/NDF: 5407564.7/32

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

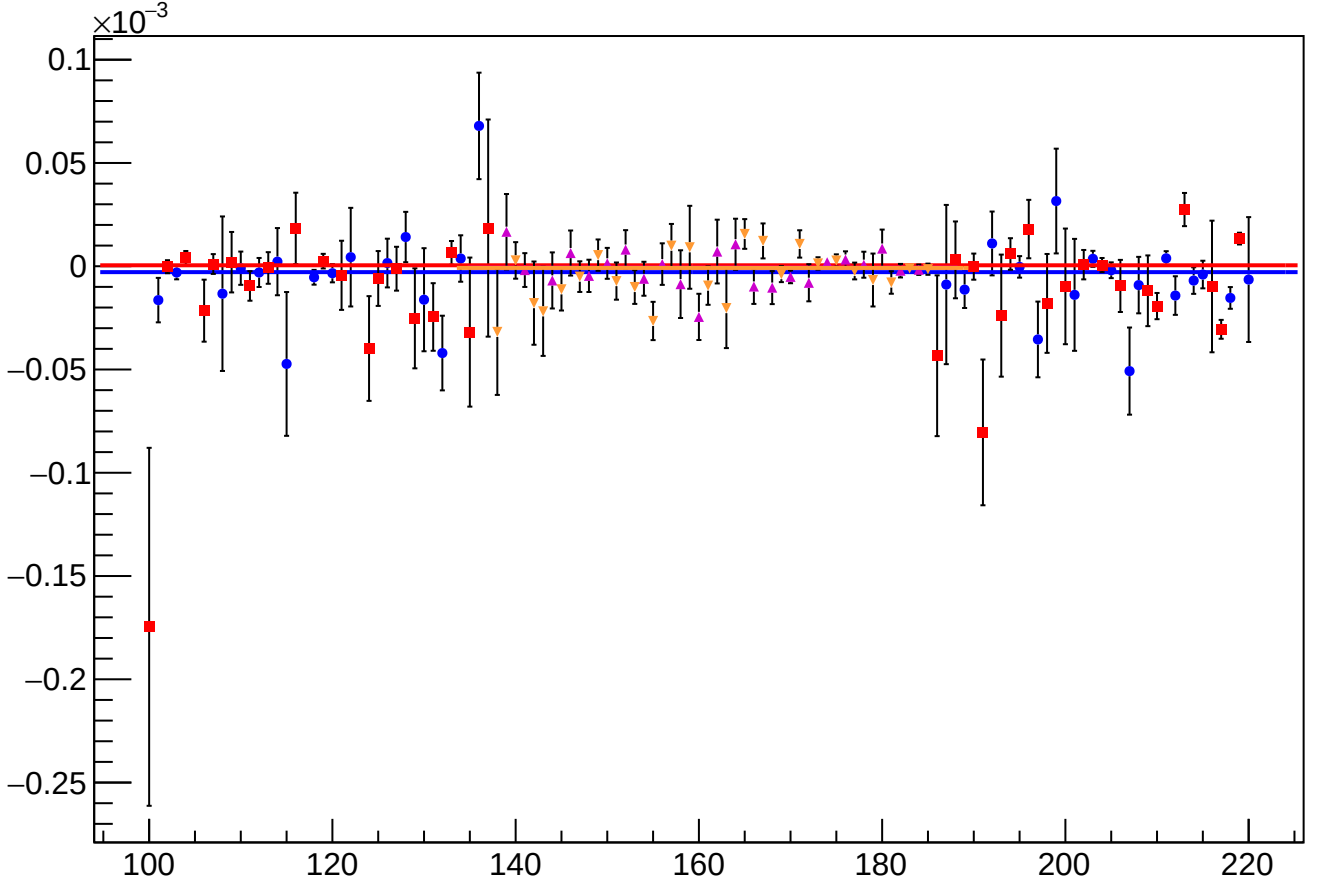
Right Out: 59.029+/-0.011 χ^2/NDF: 7549979.1/36

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

\+ sign 58.581+/-0.008 χ^2/NDF: 17750723.9/57

All: 58.706+/-0.006 χ^2/NDF: 35549646.7/117

\- sign 58.834+/-0.008 χ^2/NDF: 17798416.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 45.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:32.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 118.0/36

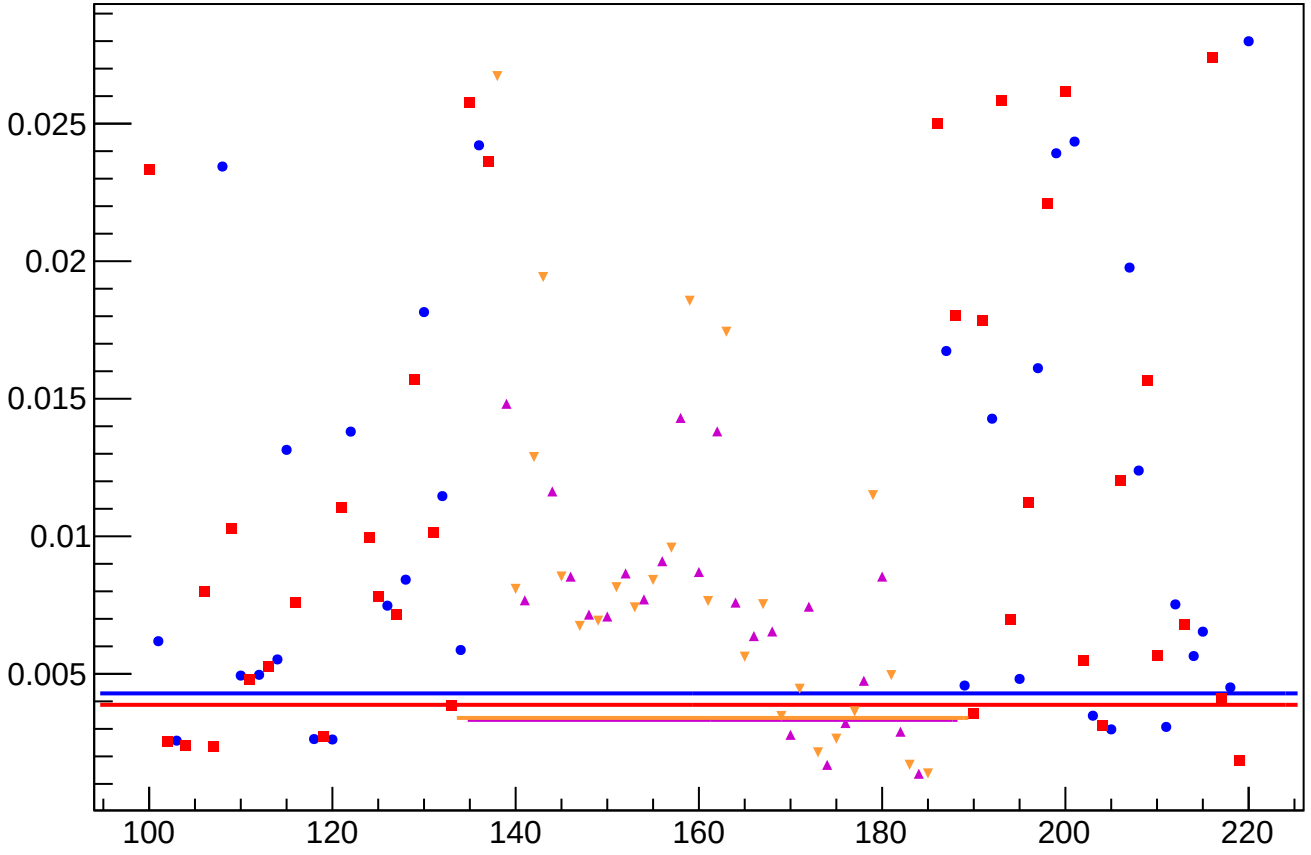
Left In: -0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.0/57

All: -0.000+/-0.000 χ^2/NDF: 219.3/117

- sign -0.000+/-0.000 χ^2/NDF: 137.4/59

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 13202665.6/32

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

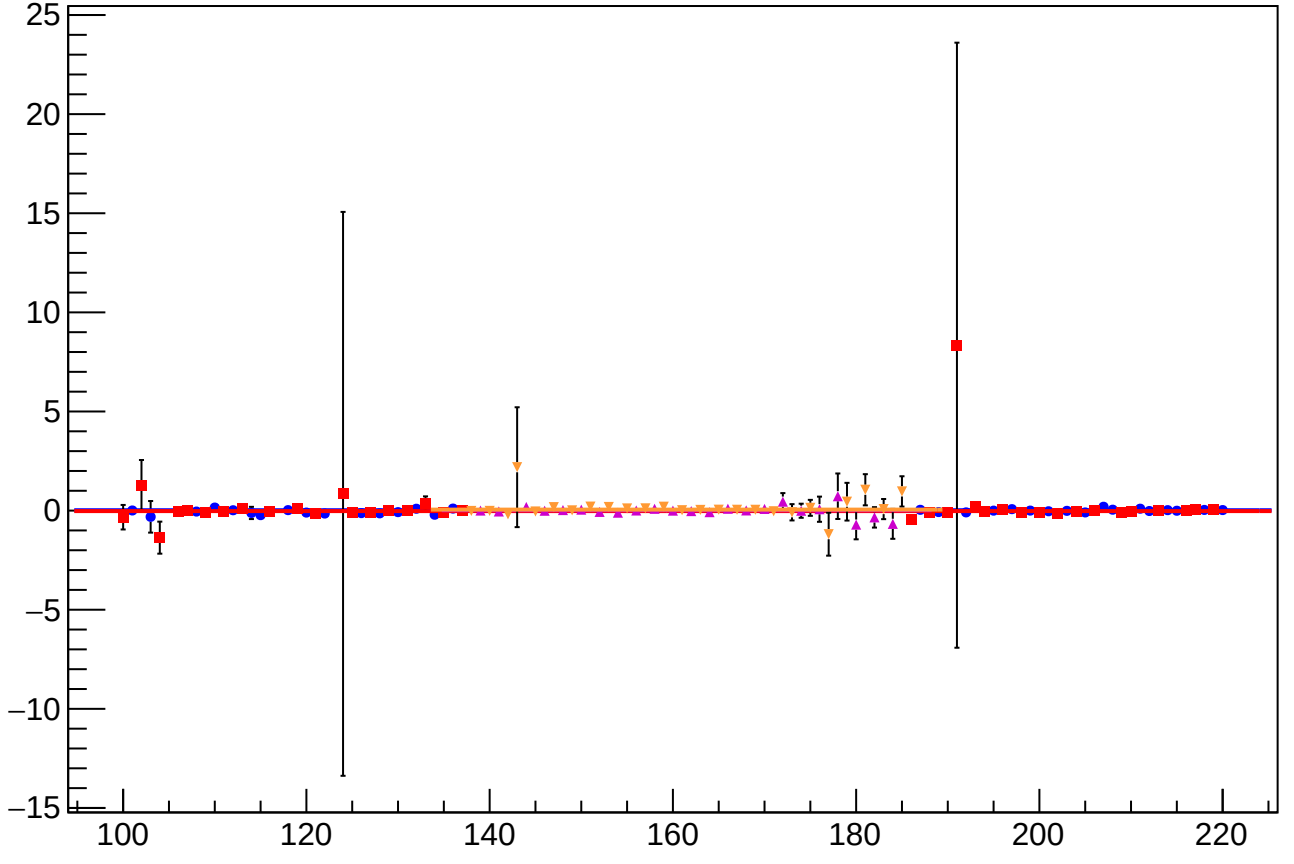
Right Out: 0.004+/-0.000 χ^2/NDF: 15597400.7/36

Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

+ sign 0.004+/-0.000 χ^2/NDF: 28084249.3/57

All: 0.004+/-0.000 χ^2/NDF: 56561582.5/117

- sign 0.004+/-0.000 χ^2/NDF: 28418858.8/59



Right In: 0.019+/-0.015 χ^2/NDF: 30.8/32

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.025+/-0.015 χ^2/NDF: 28.6/36

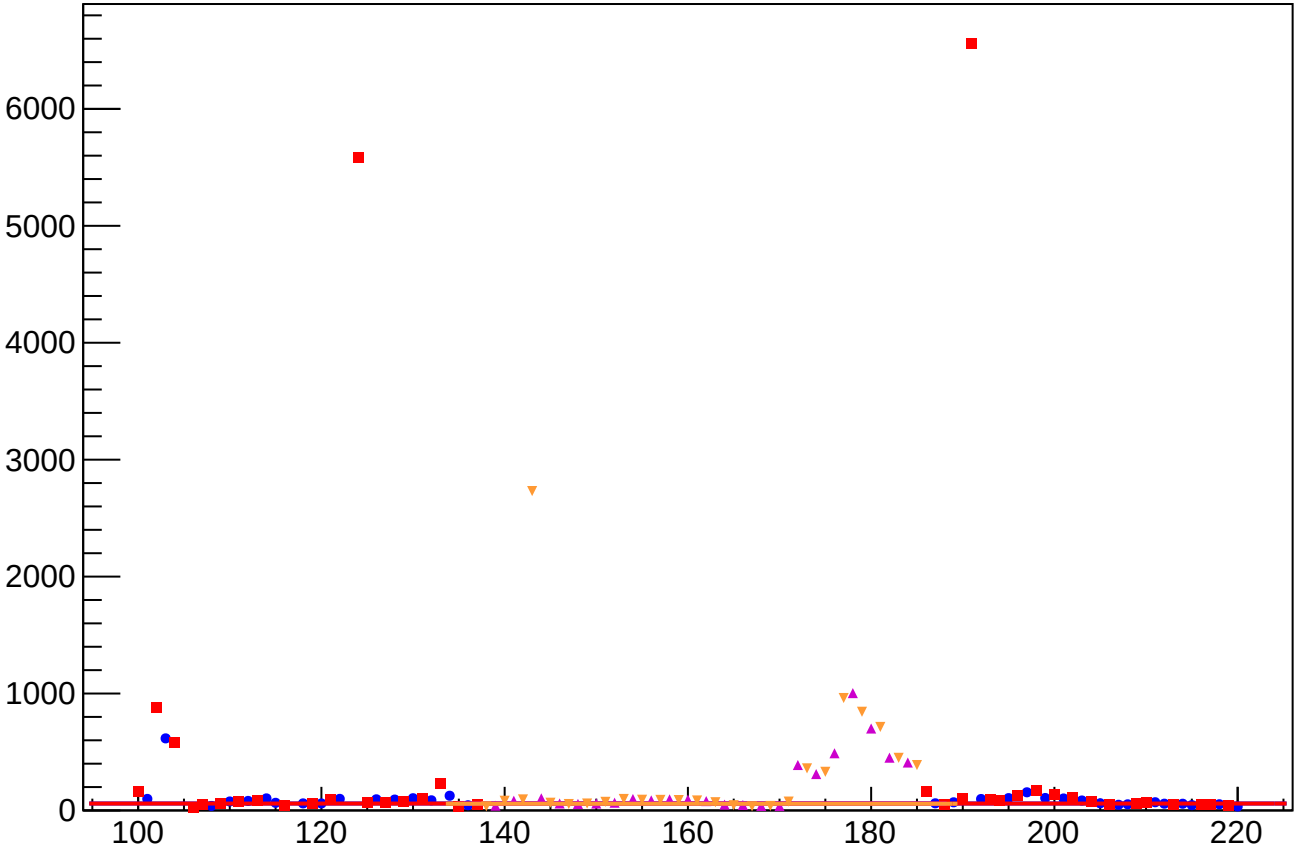
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.011 χ^2/NDF: 57.1/57

All: 0.013+/-0.008 χ^2/NDF: 110.5/117

- sign -0.006+/-0.011 χ^2/NDF: 47.7/59

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 59.591+/-0.010 χ^2/NDF: 5402792.5/32

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

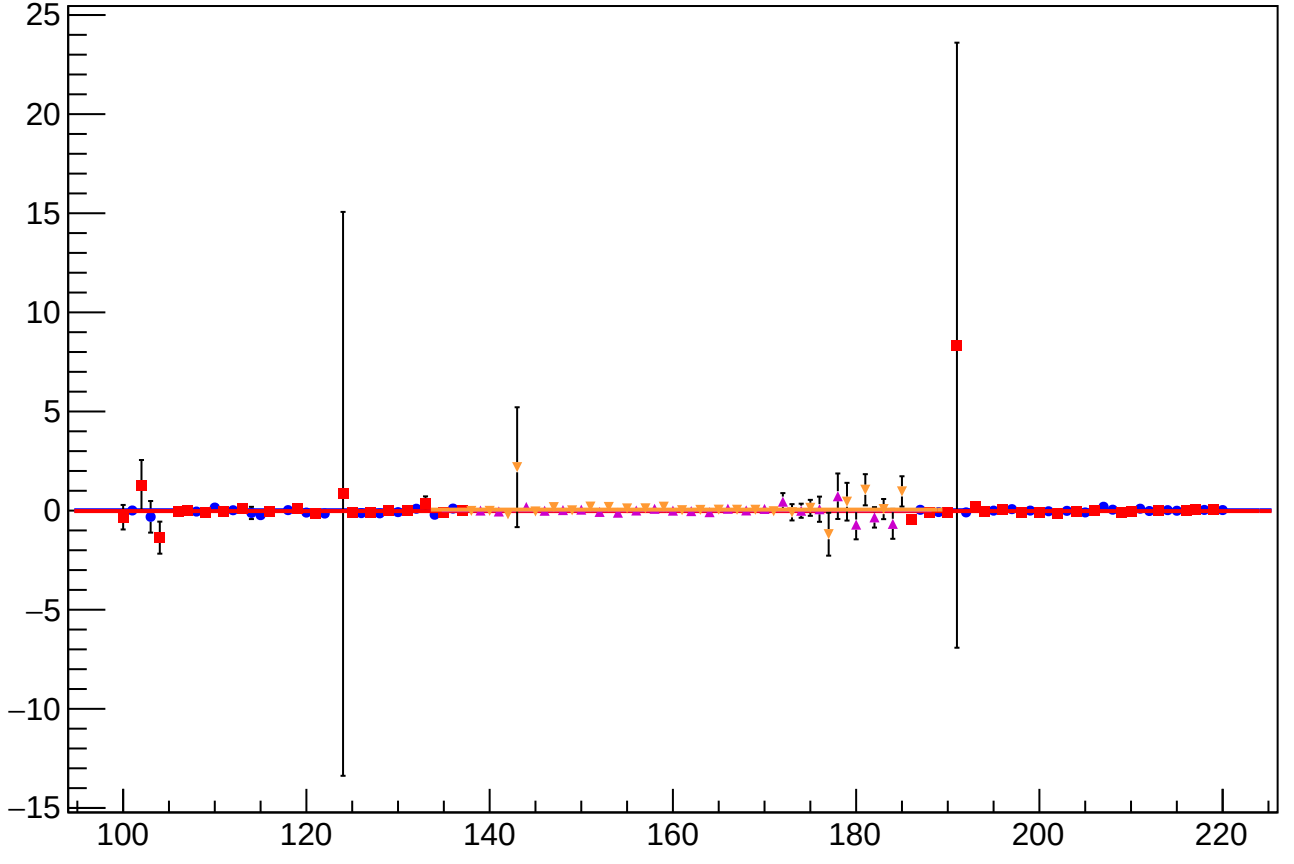
Right Out: 59.027+/-0.011 χ^2/NDF: 7550819.7/36

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

\+ sign 58.588+/-0.008 χ^2/NDF: 17745952.4/57

All: 58.710+/-0.006 χ^2/NDF: 35545166.8/117

\- sign 58.834+/-0.008 χ^2/NDF: 17798735.4/59



Right In: 0.019+/-0.015 χ^2/NDF: 30.8/32

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.025+/-0.015 χ^2/NDF: 28.6/36

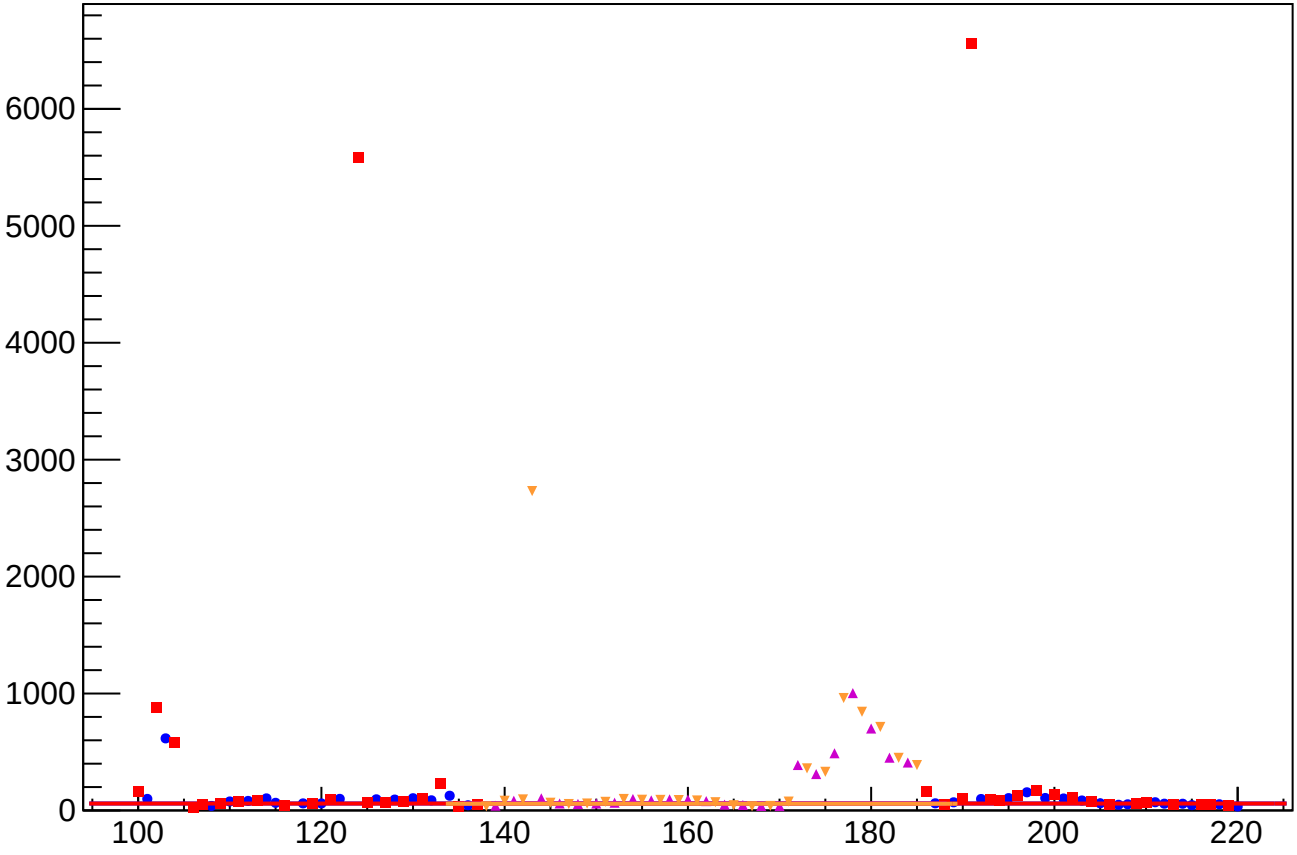
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.032+/-0.011 χ^2/NDF: 57.1/57

All: 0.013+/-0.008 χ^2/NDF: 110.5/117

- sign -0.006+/-0.011 χ^2/NDF: 47.7/59

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 59.591+/-0.010 χ^2/NDF: 5402792.5/32

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 59.027+/-0.011 χ^2/NDF: 7550819.7/36

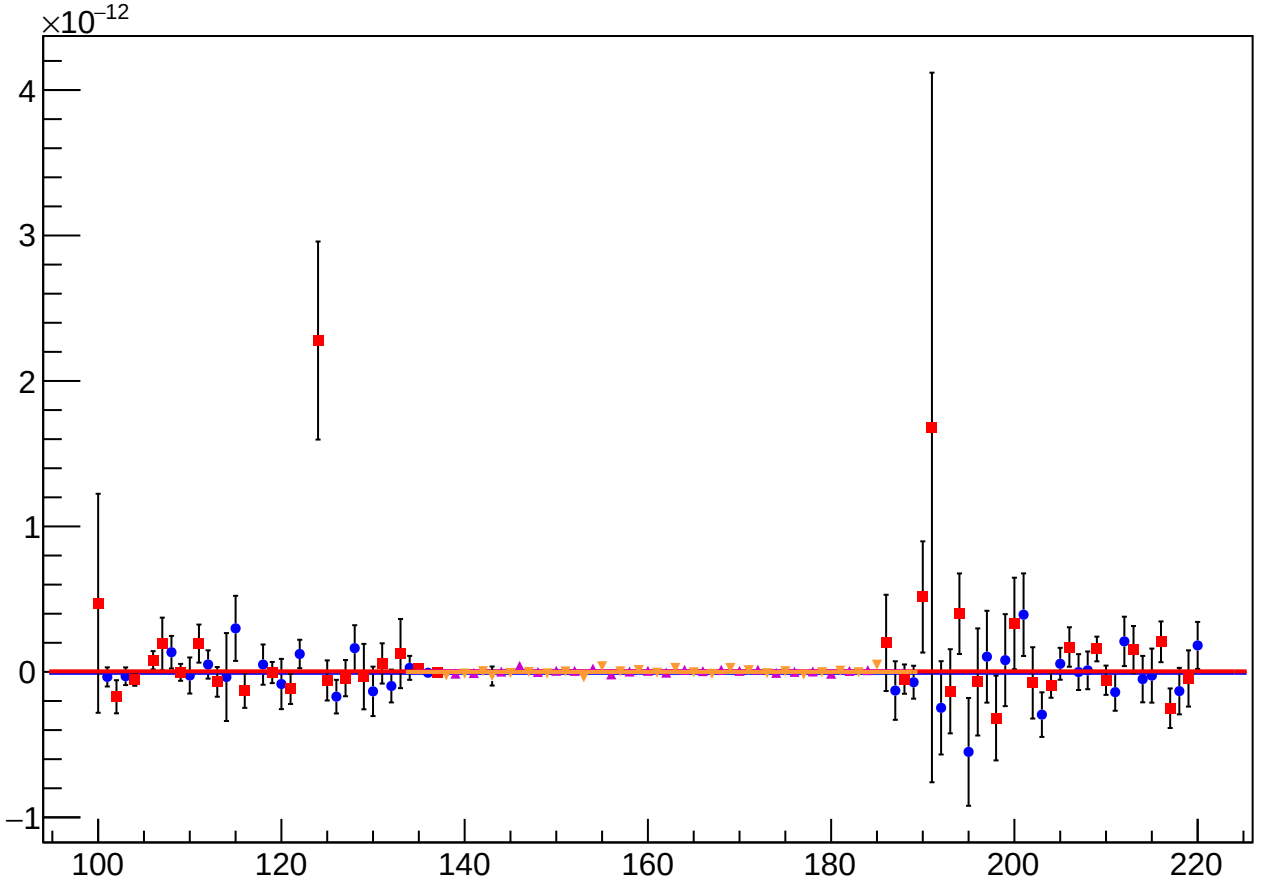
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

\+ sign 58.588+/-0.008 χ^2/NDF: 17745952.4/57

All: 58.710+/-0.006 χ^2/NDF: 35545166.8/117

\- sign 58.834+/-0.008 χ^2/NDF: 17798735.4/59

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

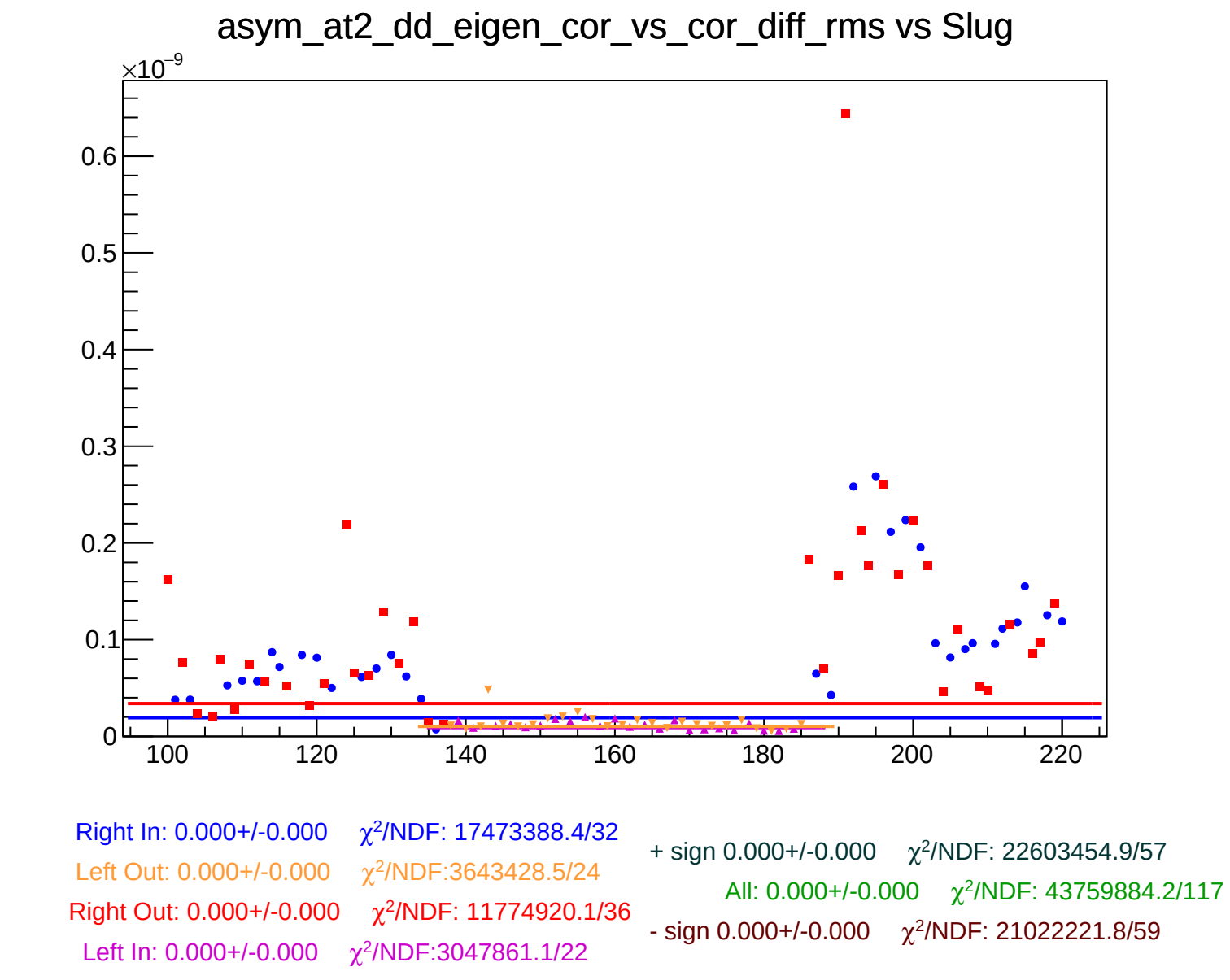
Right Out: 0.000+/-0.000 χ^2/NDF: 45.6/36

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

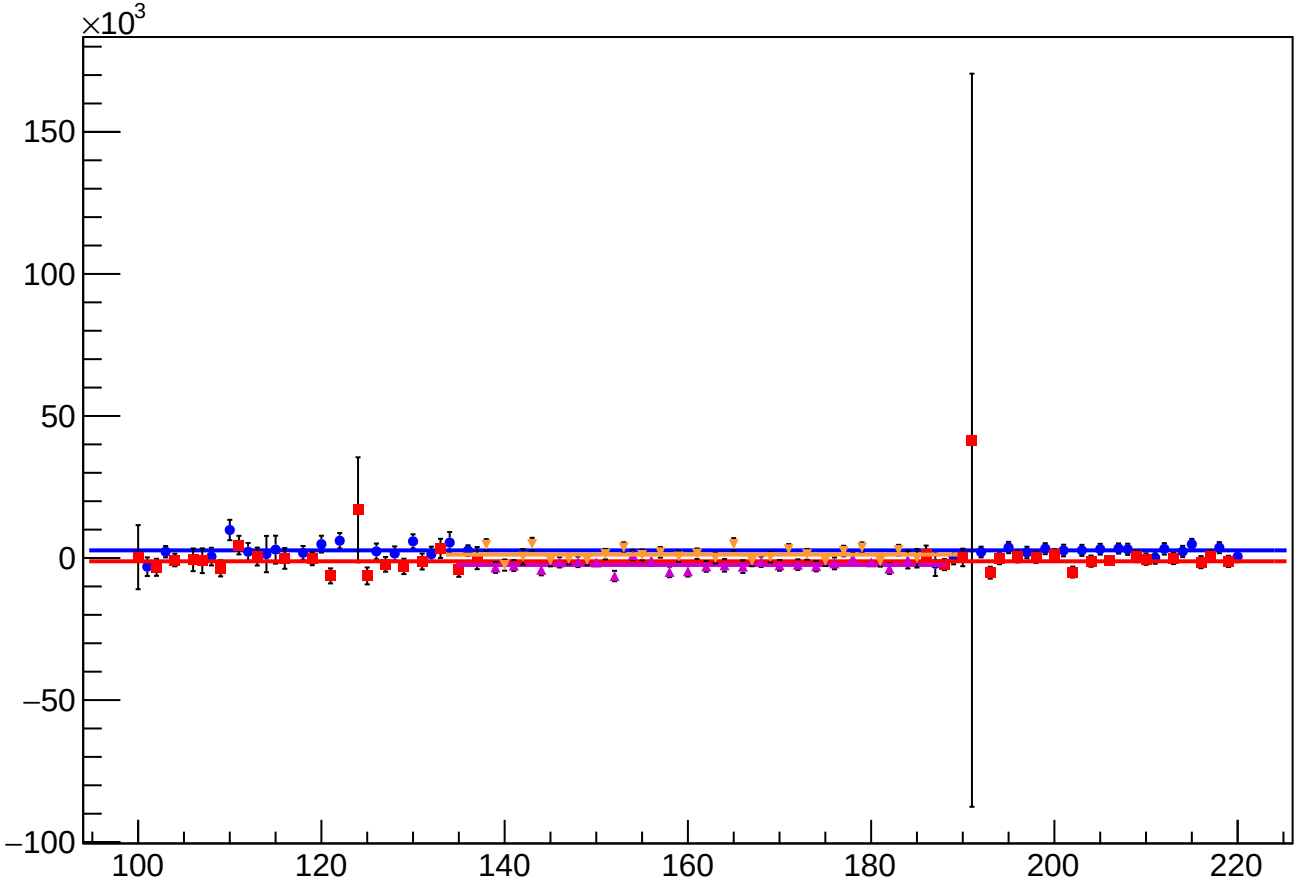
+ sign -0.000+/-0.000 χ^2/NDF: 44.1/57

All: 0.000+/-0.000 χ^2/NDF: 106.2/117

- sign 0.000+/-0.000 χ^2/NDF: 61.0/59


asym_at2_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
220
Right In: 0.000+/-0.000 χ²/NDF: 17473388.4/32
Left Out: 0.000+/-0.000 χ²/NDF:3643428.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 11774920.1/36
Left In: 0.000+/-0.000 χ²/NDF:3047861.1/22
+ sign 0.000+/-0.000 χ²/NDF: 22603454.9/57
All: 0.000+/-0.000 χ²/NDF: 43759884.2/117
- sign 0.000+/-0.000 χ²/NDF: 21022221.8/59

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2695.910+/-400.805 χ^2/NDF: 20.0/32

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1150.591+/-405.234 χ^2/NDF: 30.1/36

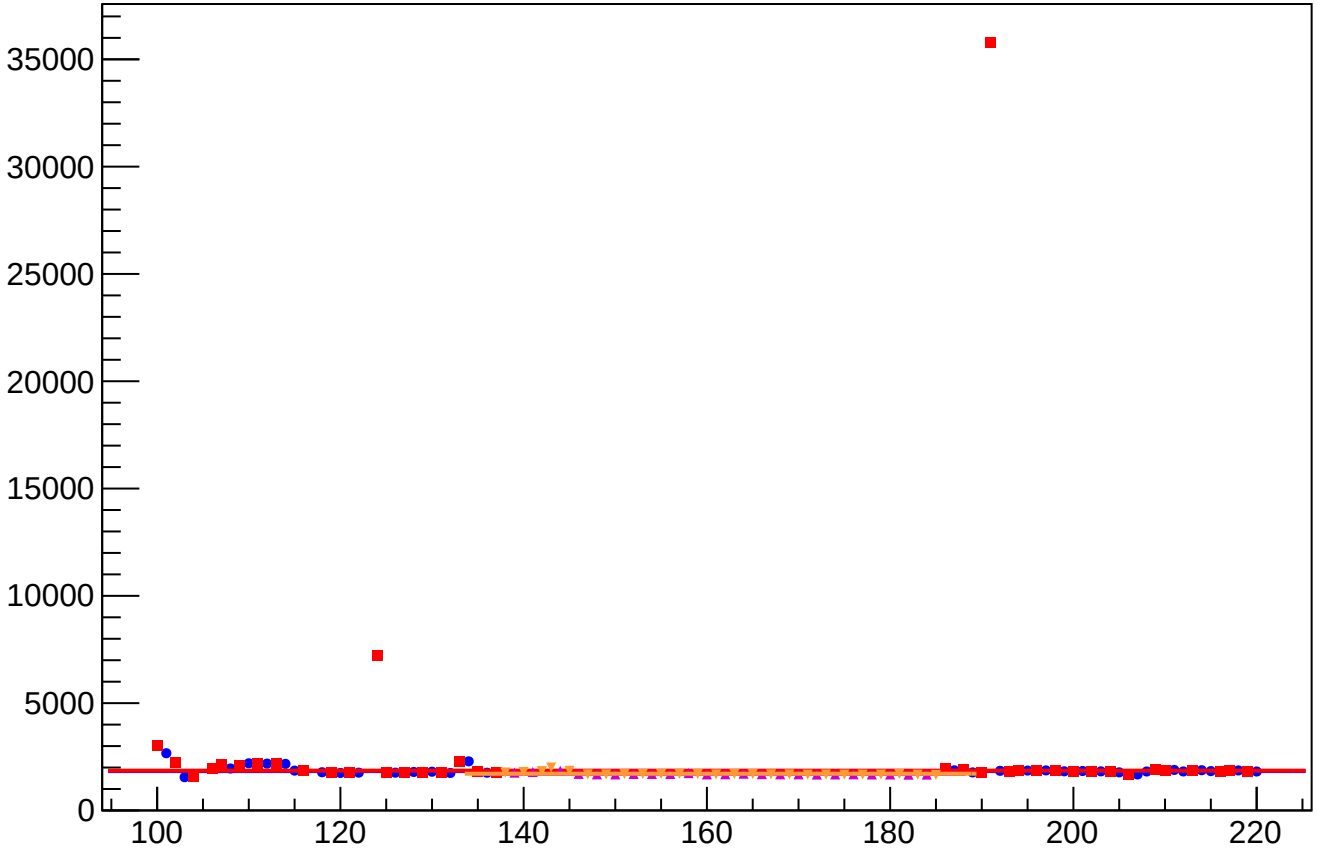
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1927.101+/-279.195 χ^2/NDF: 53.5/57

All: 91.782+/-199.077 χ^2/NDF: 194.2/117

- sign -1806.452+/-283.940 χ^2/NDF: 52.8/59

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1833.776+/-0.283 χ^2/NDF: 287619.8/32

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1854.684+/-0.286 χ^2/NDF: 544522.5/36

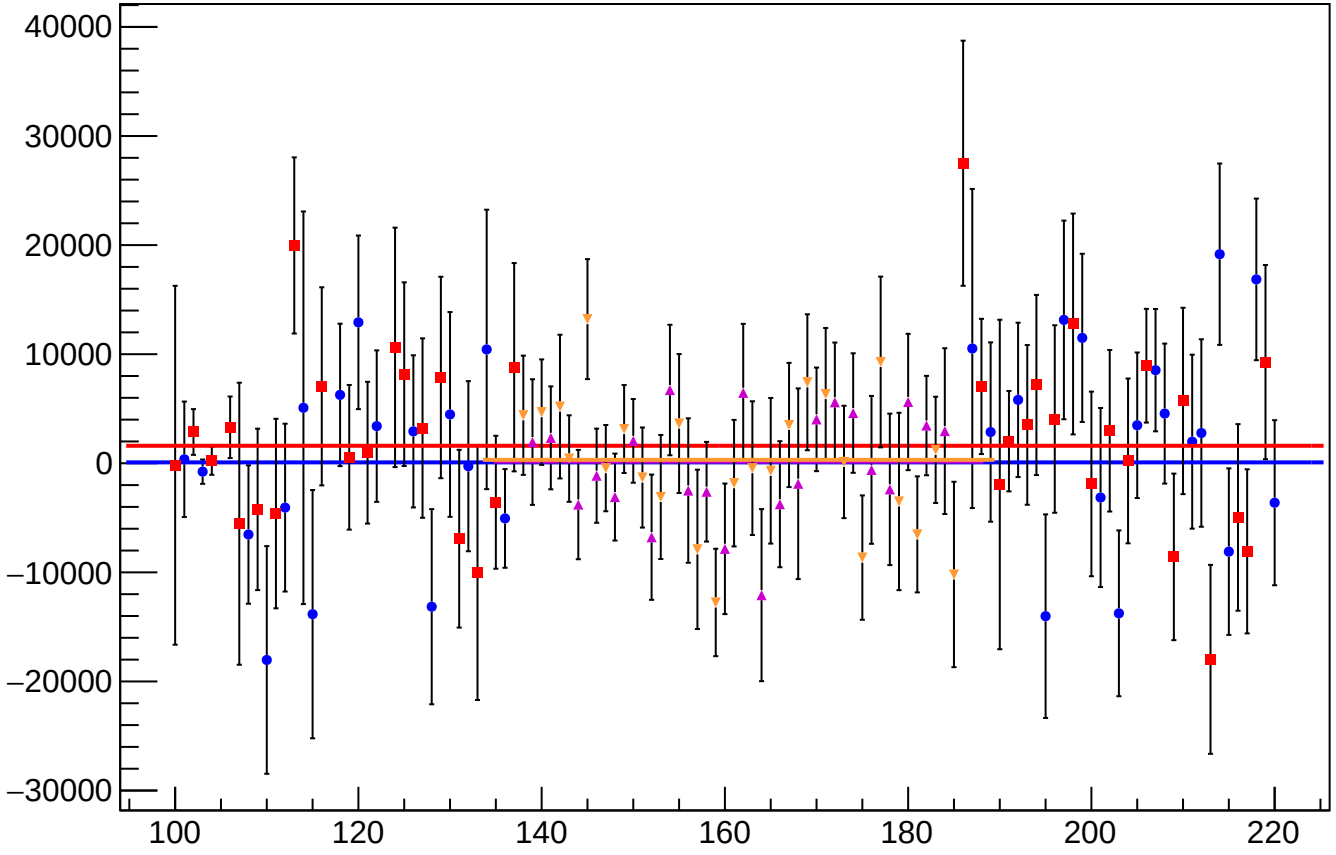
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1770.975+/-0.197 χ^2/NDF: 443076.3/57

All: 1774.440+/-0.141 χ^2/NDF: 1151730.9/11

- sign 1778.021+/-0.201 χ^2/NDF: 708028.1/59

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: 81.206+/-855.721 χ^2/NDF: 41.0/32

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1604.360+/-814.088 χ^2/NDF: 34.4/36

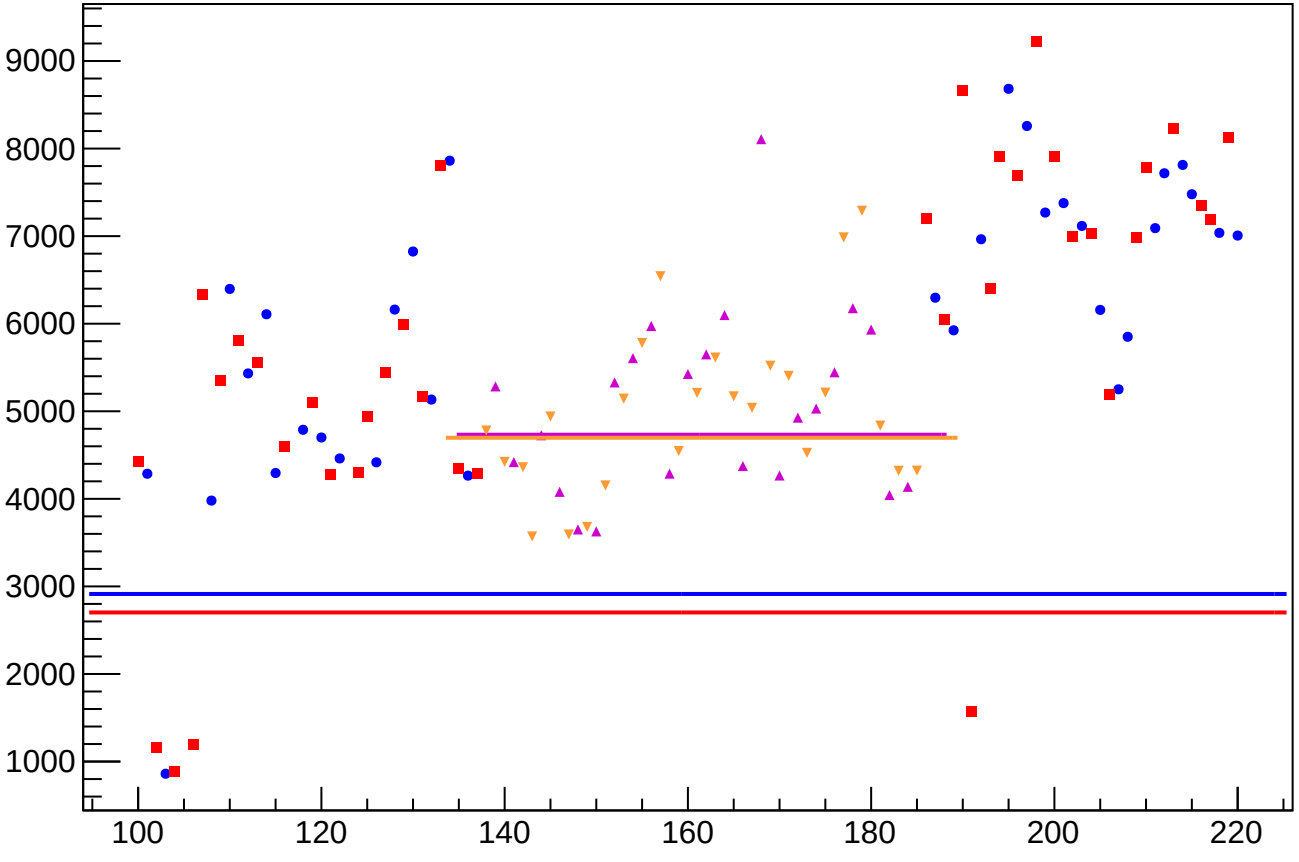
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

\+ sign 169.794+/-673.546 χ^2/NDF: 68.1/57

All: 648.915+/-471.485 χ^2/NDF: 119.3/117

\- sign 1109.257+/-660.214 χ^2/NDF: 50.2/59

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2913.723+/-0.605 χ^2/NDF: 18569942.8/32

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

Right Out: 2702.535+/-0.576 χ^2/NDF: 19416695.6/36

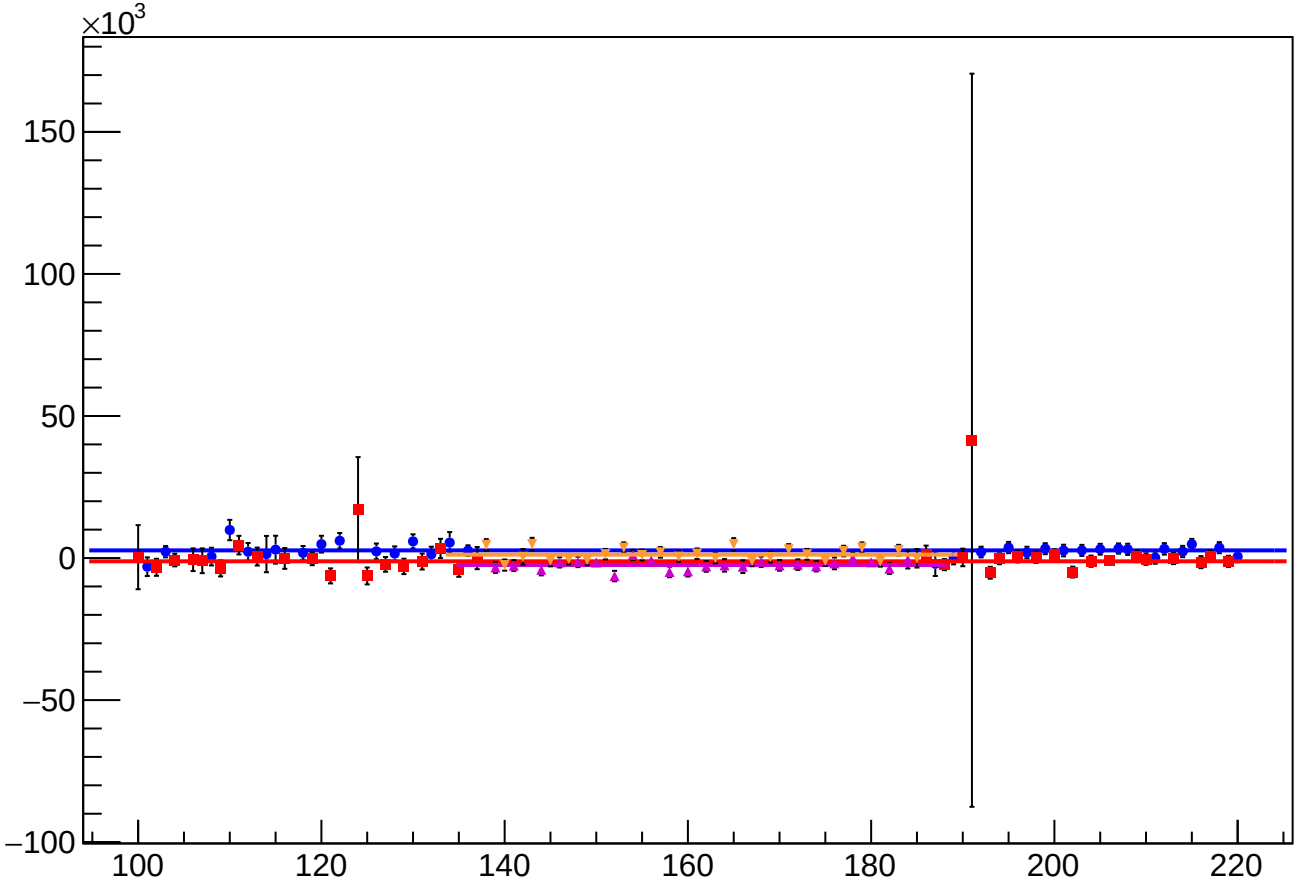
Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3592.424+/-0.476 χ^2/NDF: 23116162.4/57

All: 3492.947+/-0.333 χ^2/NDF: 48117586.5/1

- sign 3397.370+/-0.467 χ^2/NDF: 24915883.3/59

cor_asym_atl1r2_avg_mean vs Slug



Right In: 2696.003+/-400.805 χ^2/NDF: 20.0/32

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1150.192+/-405.234 χ^2/NDF: 30.1/36

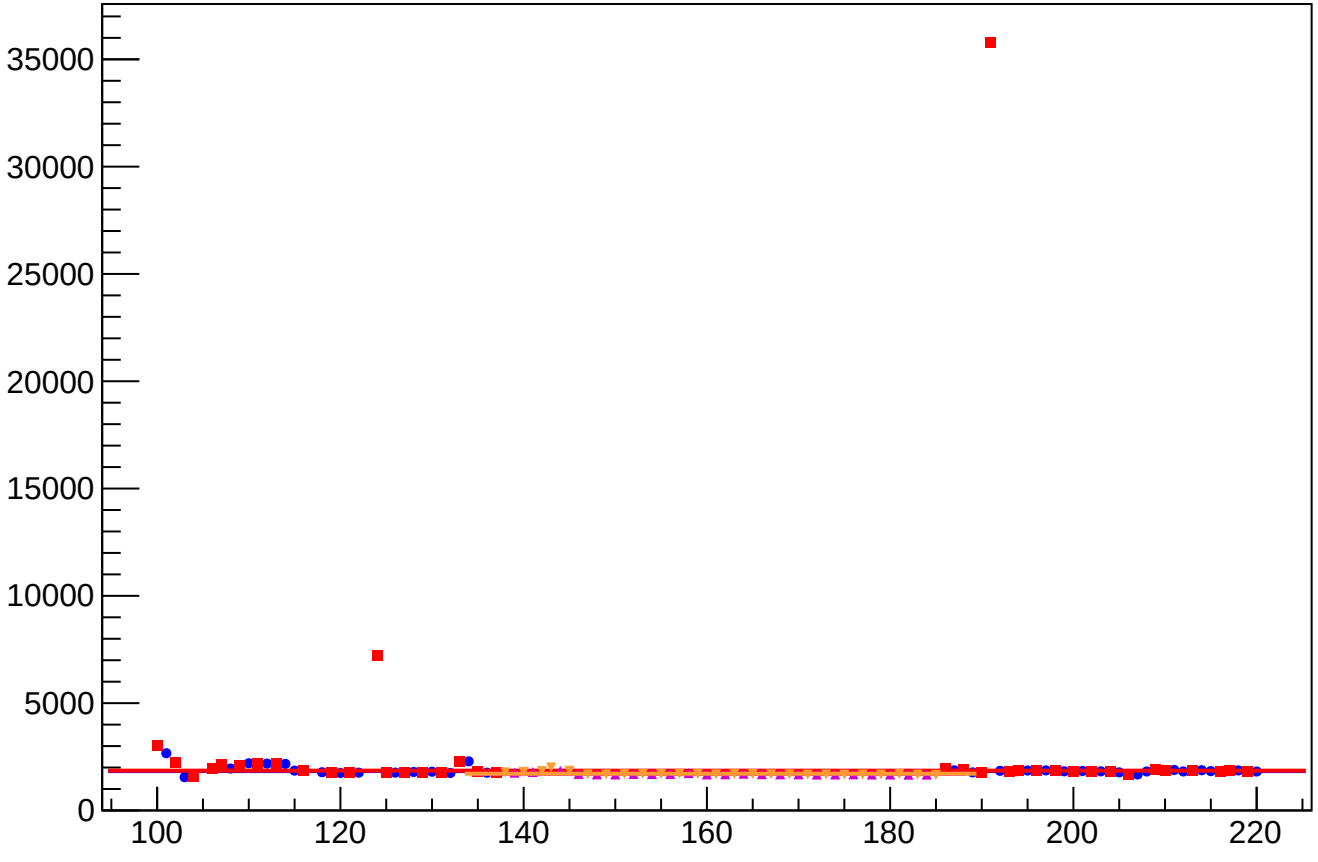
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1927.095+/-279.195 χ^2/NDF: 53.5/57

All: 91.893+/-199.077 χ^2/NDF: 194.2/117

- sign -1806.222+/-283.940 χ^2/NDF: 52.8/59

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1833.776+/-0.283 χ^2/NDF: 287619.7/32

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1854.829+/-0.286 χ^2/NDF: 544897.8/36

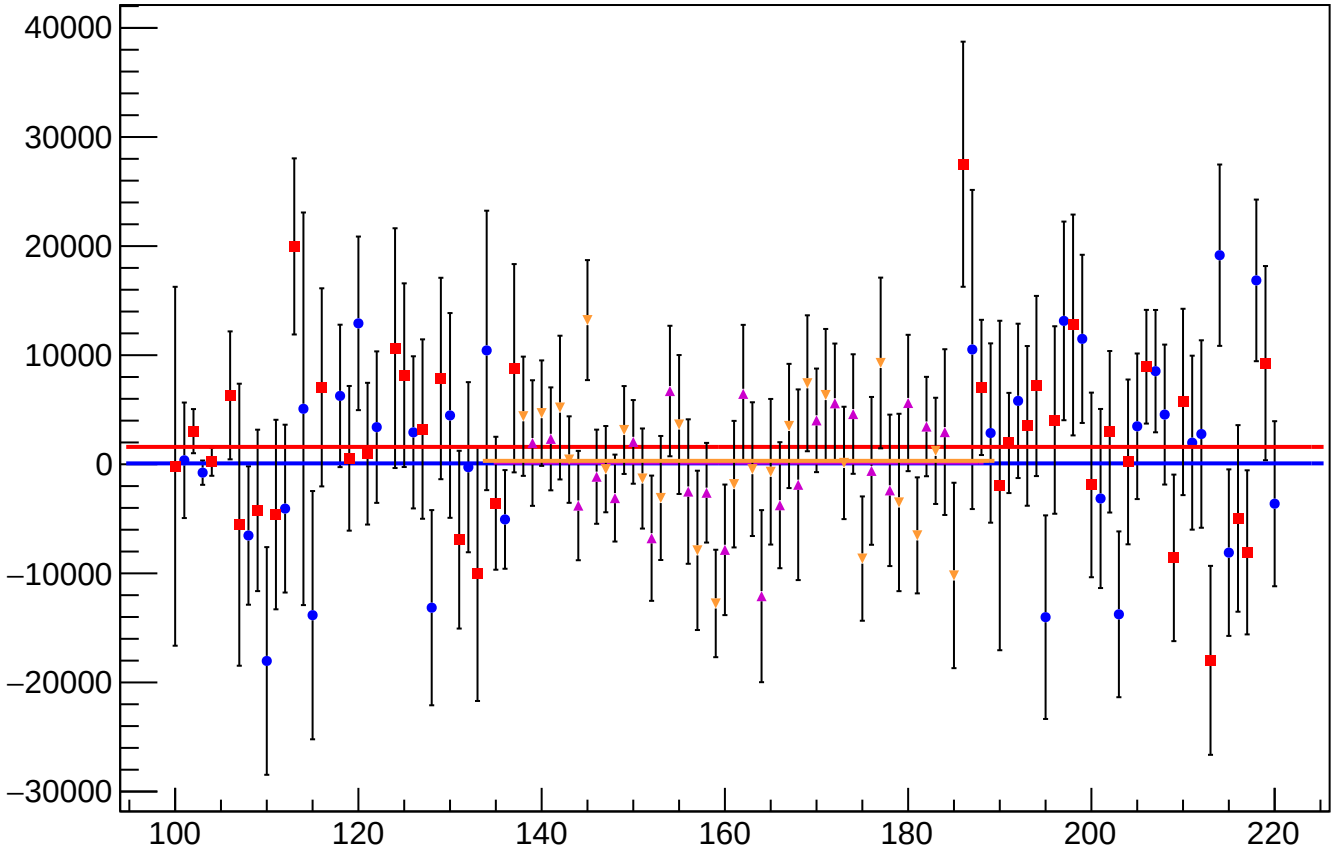
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1770.975+/-0.197 χ^2/NDF: 443076.2/57

All: 1774.472+/-0.141 χ^2/NDF: 1152379.3/11

- sign 1778.087+/-0.201 χ^2/NDF: 708664.9/59

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: 81.516+/-855.684 χ^2/NDF: 41.0/32

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1591.994+/-836.402 χ^2/NDF: 34.8/36

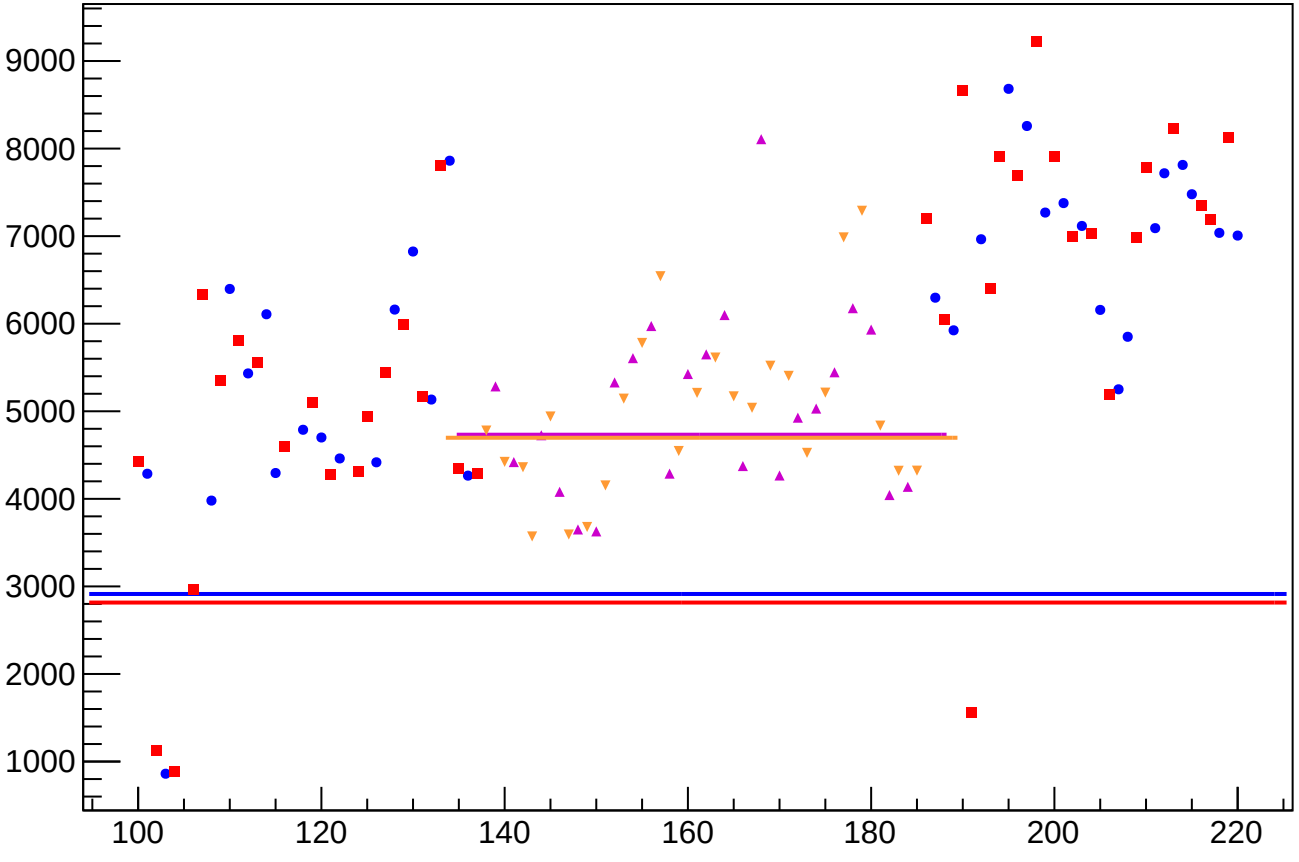
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

\+ sign 169.994+/-673.527 χ^2/NDF: 68.1/57

All: 627.829+/-475.697 χ^2/NDF: 119.6/117

\- sign 1083.521+/-671.949 χ^2/NDF: 50.6/59

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2913.511+/-0.605 χ^2/NDF: 18571312.5/32

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2815.628+/-0.591 χ^2/NDF: 18950887.2/36

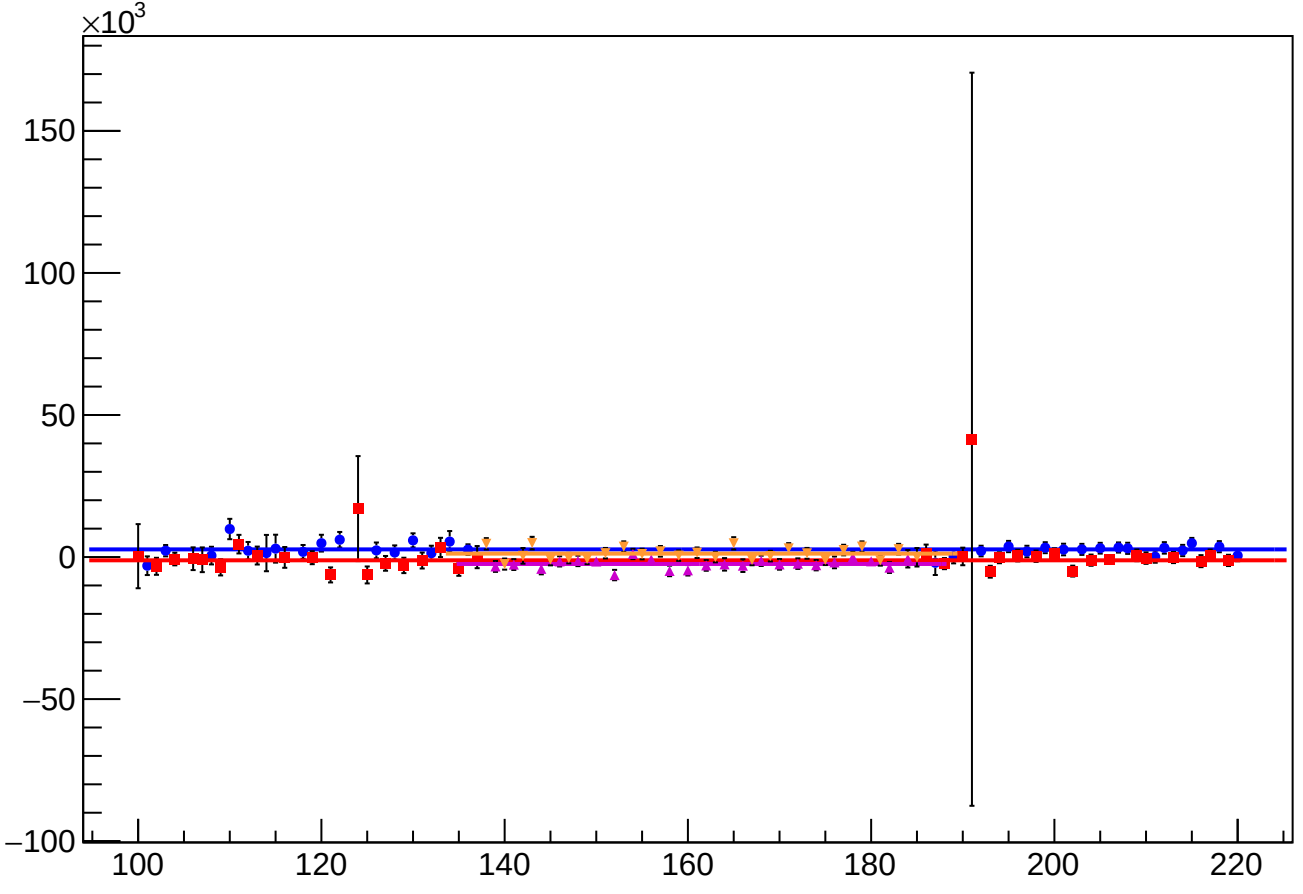
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3592.255+/-0.476 χ^2/NDF: 23118433.1/57

All: 3543.655+/-0.336 χ^2/NDF: 47057372.6/1

- sign 3495.283+/-0.475 χ^2/NDF: 23918162.0/59

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2696.003+/-400.805 χ^2/NDF: 20.0/32

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1150.192+/-405.234 χ^2/NDF: 30.1/36

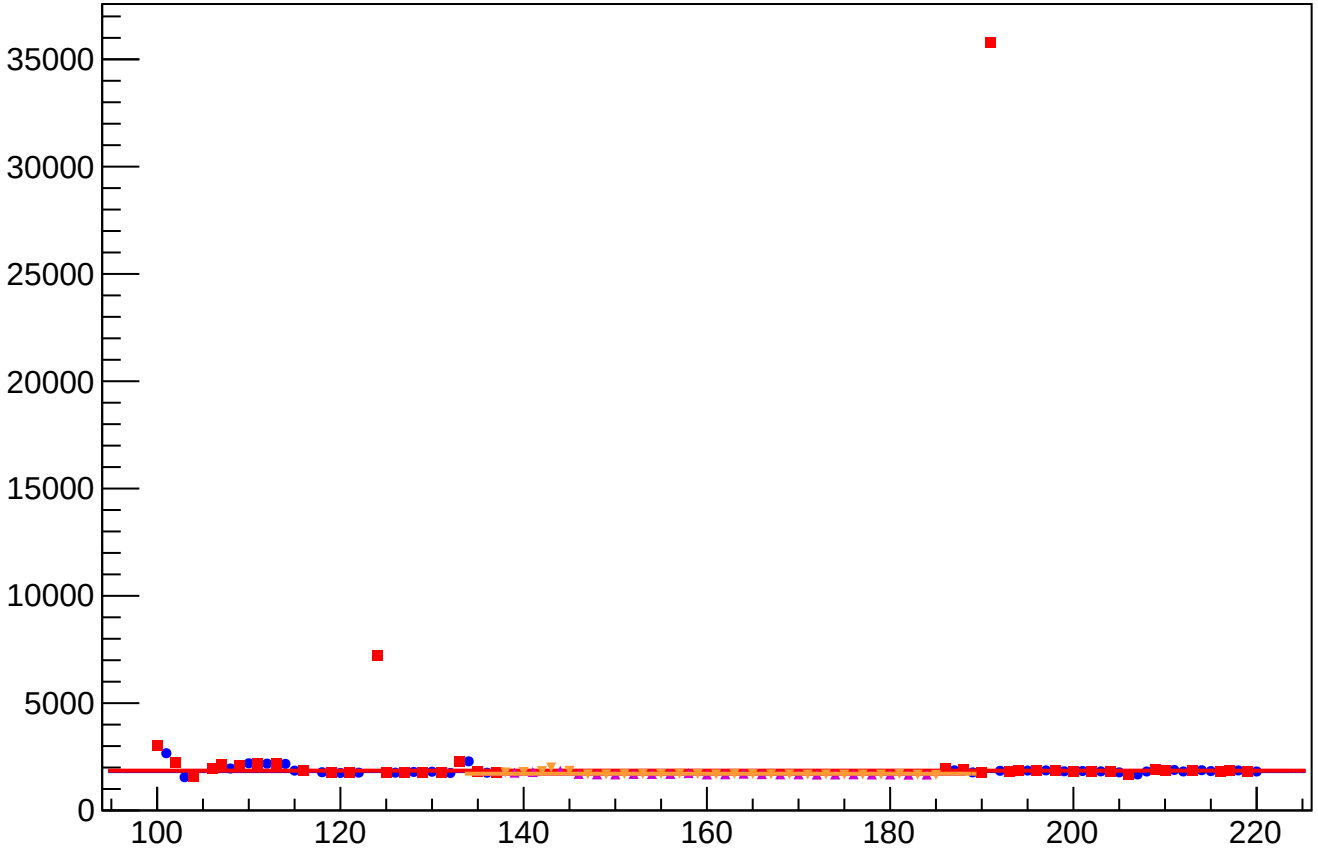
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1927.095+/-279.195 χ^2/NDF: 53.5/57

All: 91.893+/-199.077 χ^2/NDF: 194.2/117

- sign -1806.222+/-283.940 χ^2/NDF: 52.8/59

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1833.776+/-0.283 χ^2/NDF: 287619.7/32

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

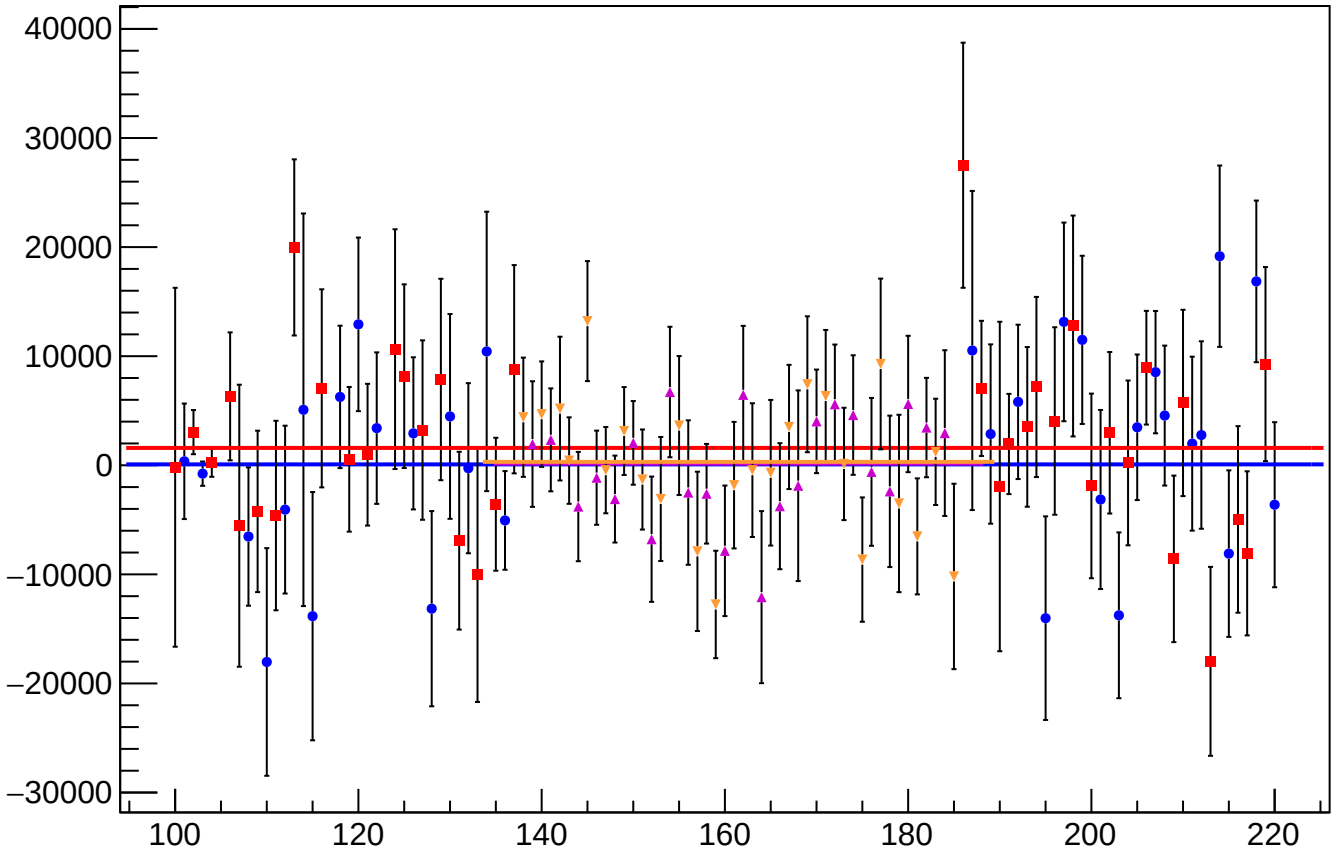
Right Out: 1854.829+/-0.286 χ^2/NDF: 544897.8/36

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1770.975+/-0.197 χ^2/NDF: 443076.2/57

All: 1774.472+/-0.141 χ^2/NDF: 1152379.3/11

- sign 1778.087+/-0.201 χ^2/NDF: 708664.9/59



Right In: 81.516+/-855.684 χ^2/NDF: 41.0/32

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

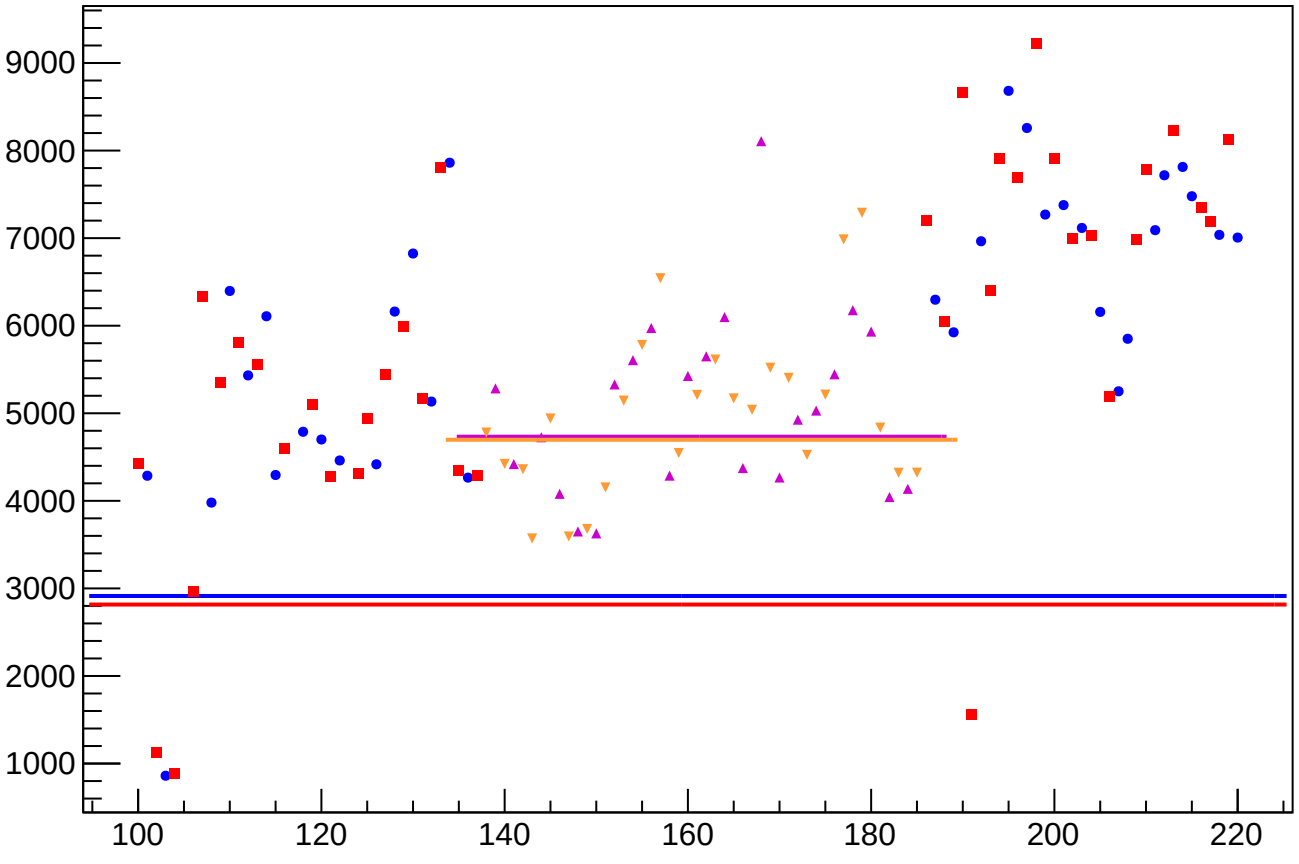
Right Out: 1591.994+/-836.402 χ^2/NDF: 34.8/36

Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign 169.994+/-673.527 χ^2/NDF: 68.1/57

All: 627.829+/-475.697 χ^2/NDF: 119.6/117

- sign 1083.521+/-671.949 χ^2/NDF: 50.6/59



Right In: 2913.511+/-0.605 χ^2/NDF: 18571312.5/32

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2815.628+/-0.591 χ^2/NDF: 18950887.2/36

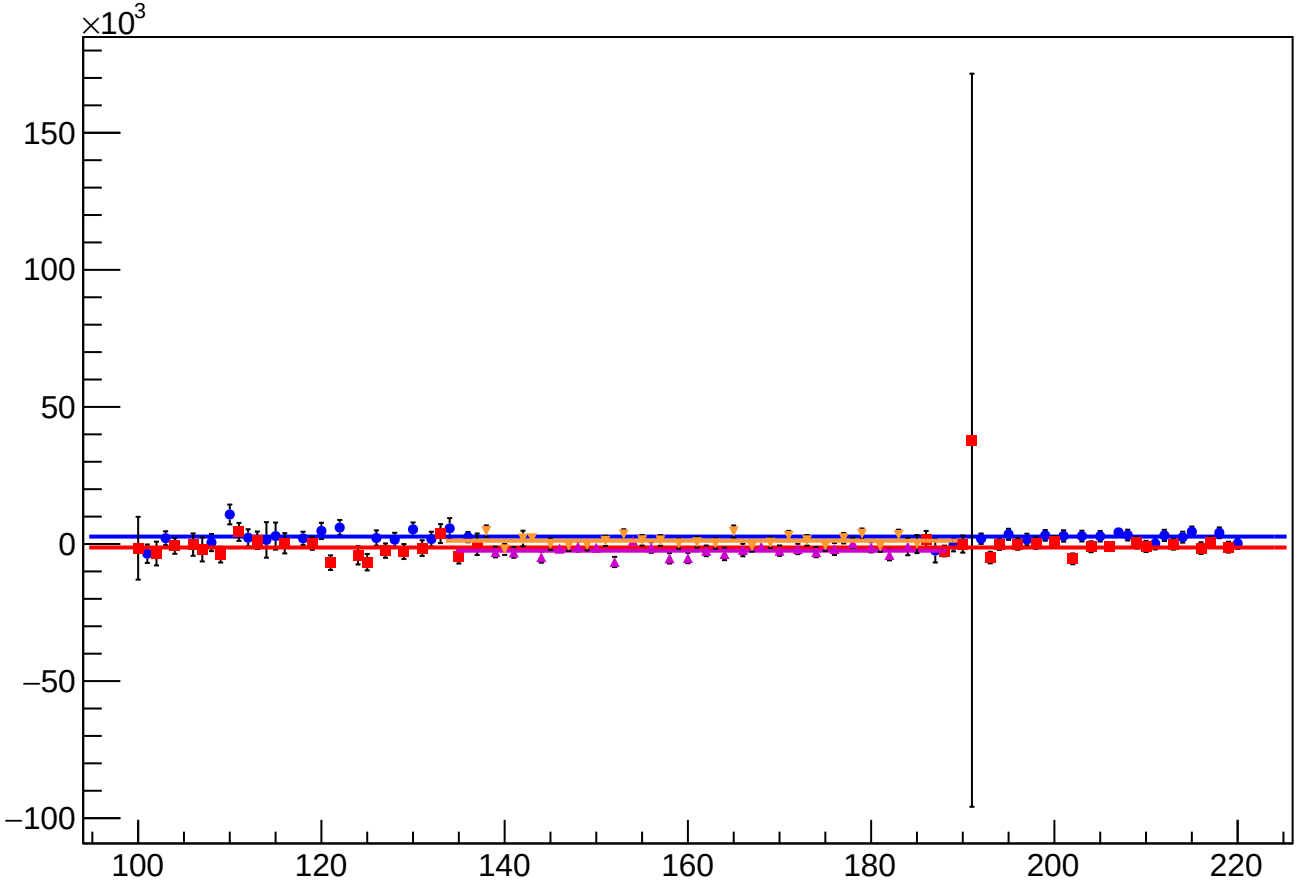
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3592.255+/-0.476 χ^2/NDF: 23118433.1/57

All: 3543.655+/-0.336 χ^2/NDF: 47057372.6/1

- sign 3495.283+/-0.475 χ^2/NDF: 23918162.0/59

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2709.008+/-408.149 χ^2/NDF: 21.8/32

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1273.085+/-411.315 χ^2/NDF: 31.7/36

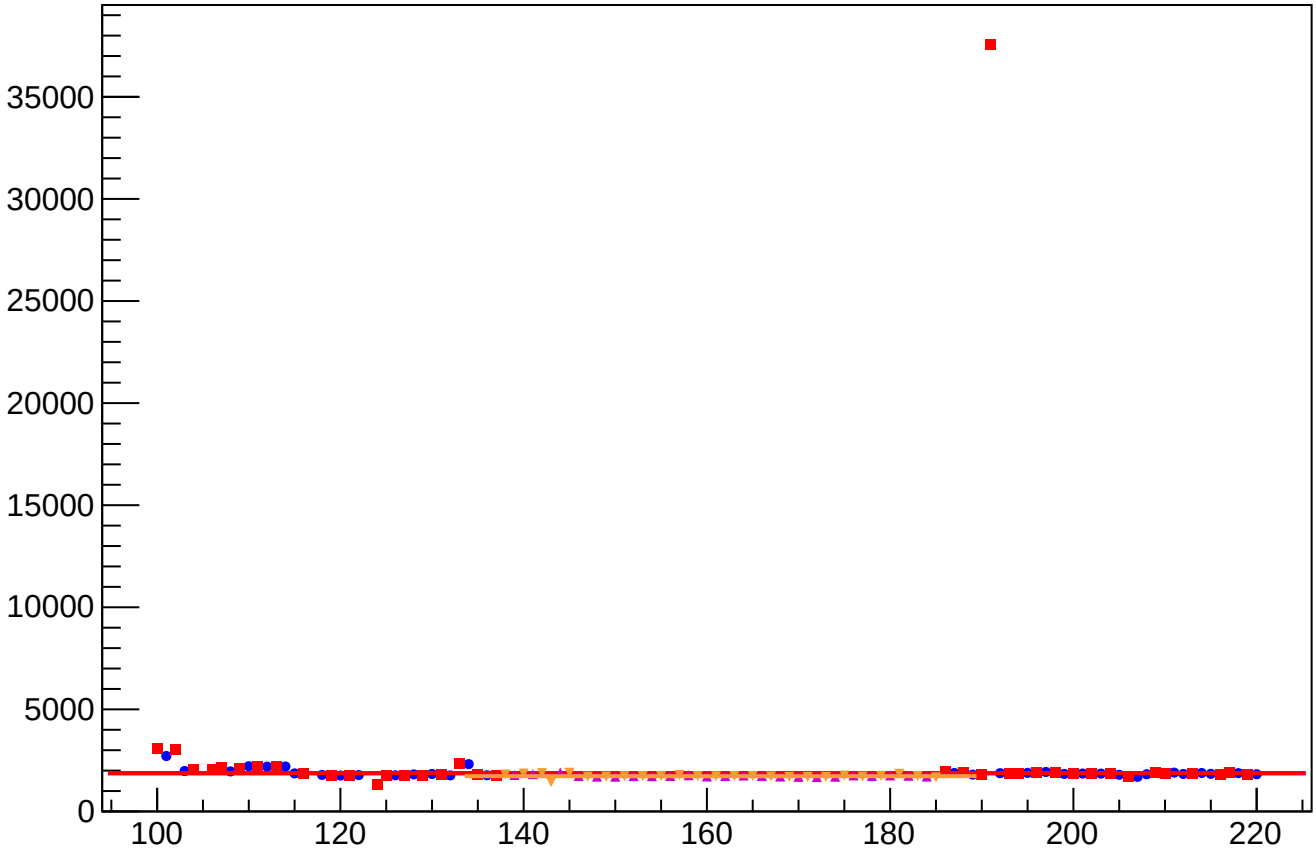
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1924.576+/-283.090 χ^2/NDF: 48.4/57

All: 74.220+/-202.404 χ^2/NDF: 192.2/117

- sign -1860.927+/-289.504 χ^2/NDF: 56.3/59

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1867.633+/-0.289 χ^2/NDF: 254291.2/32

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1879.899+/-0.291 χ^2/NDF: 523655.8/36

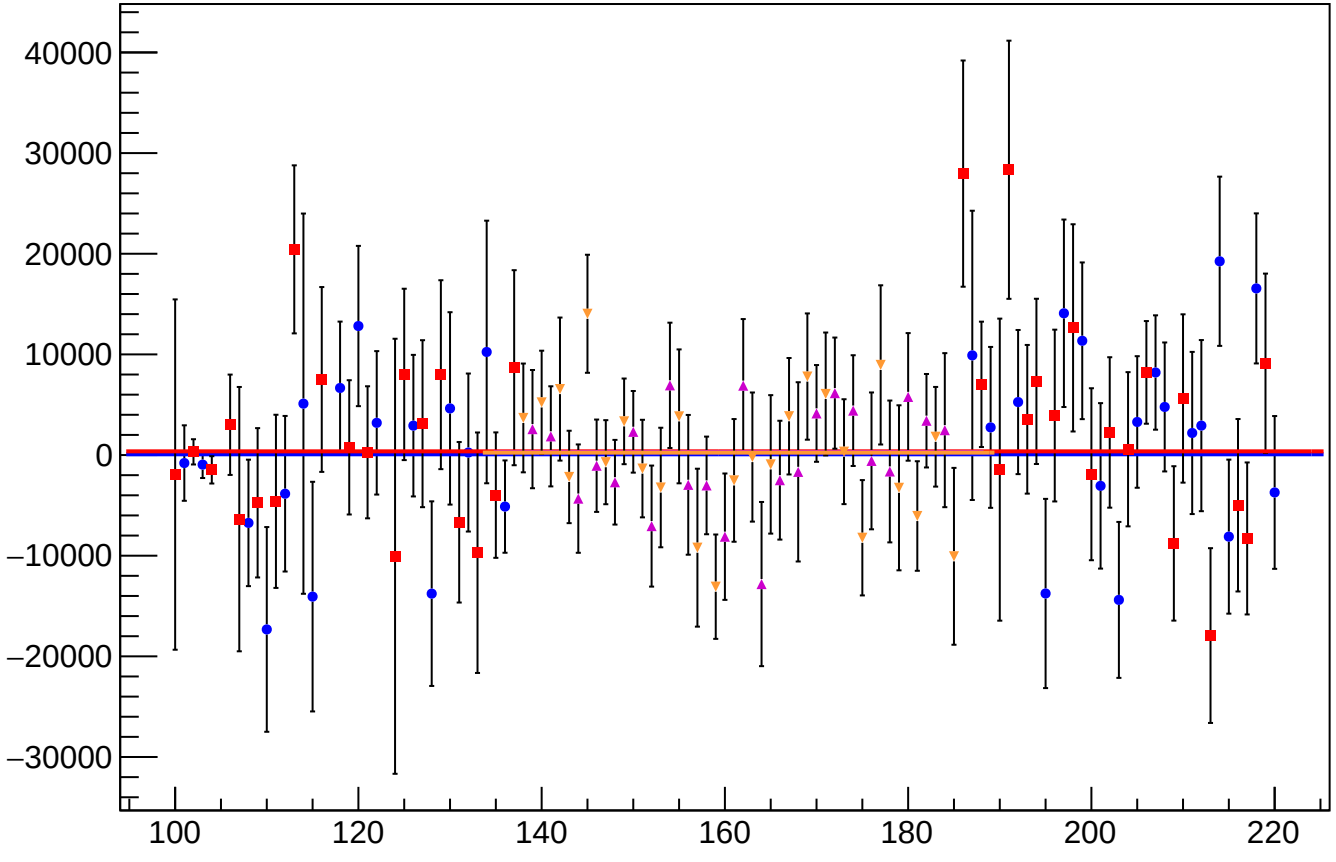
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1794.777+/-0.200 χ^2/NDF: 487367.5/57

All: 1803.031+/-0.143 χ^2/NDF: 1150474.0/11

- sign 1811.662+/-0.205 χ^2/NDF: 659628.0/59

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: 74.124+/-930.521 χ^2/NDF: 40.7/32

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 368.518+/-765.175 χ^2/NDF: 40.0/36

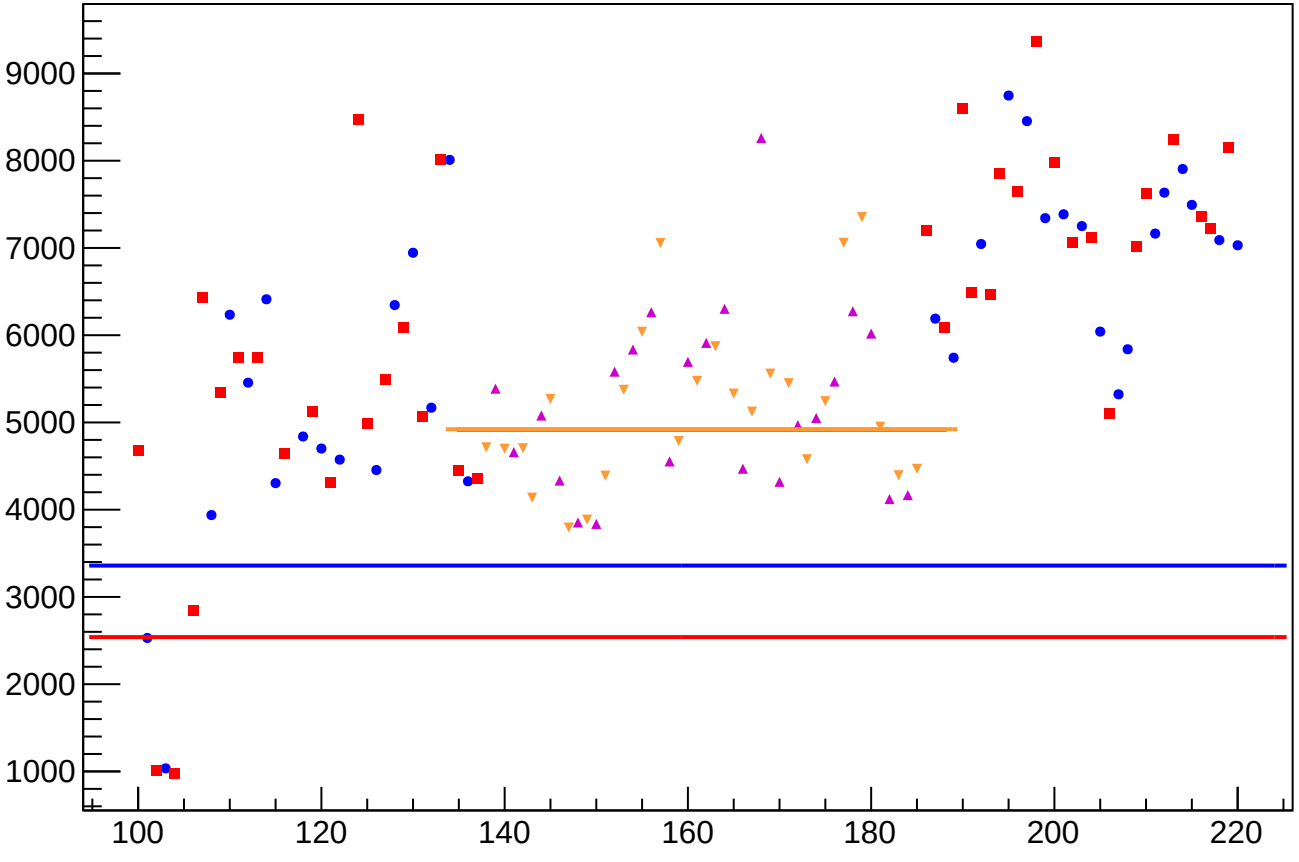
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

\+ sign 140.835+/-721.110 χ^2/NDF: 67.4/57

All: 257.661+/-478.897 χ^2/NDF: 121.9/117

\- sign 349.843+/-640.551 χ^2/NDF: 54.5/59

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 3359.340+/-0.658 χ^2/NDF: 15313836.5/32

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2539.700+/-0.541 χ^2/NDF: 20746438.6/36

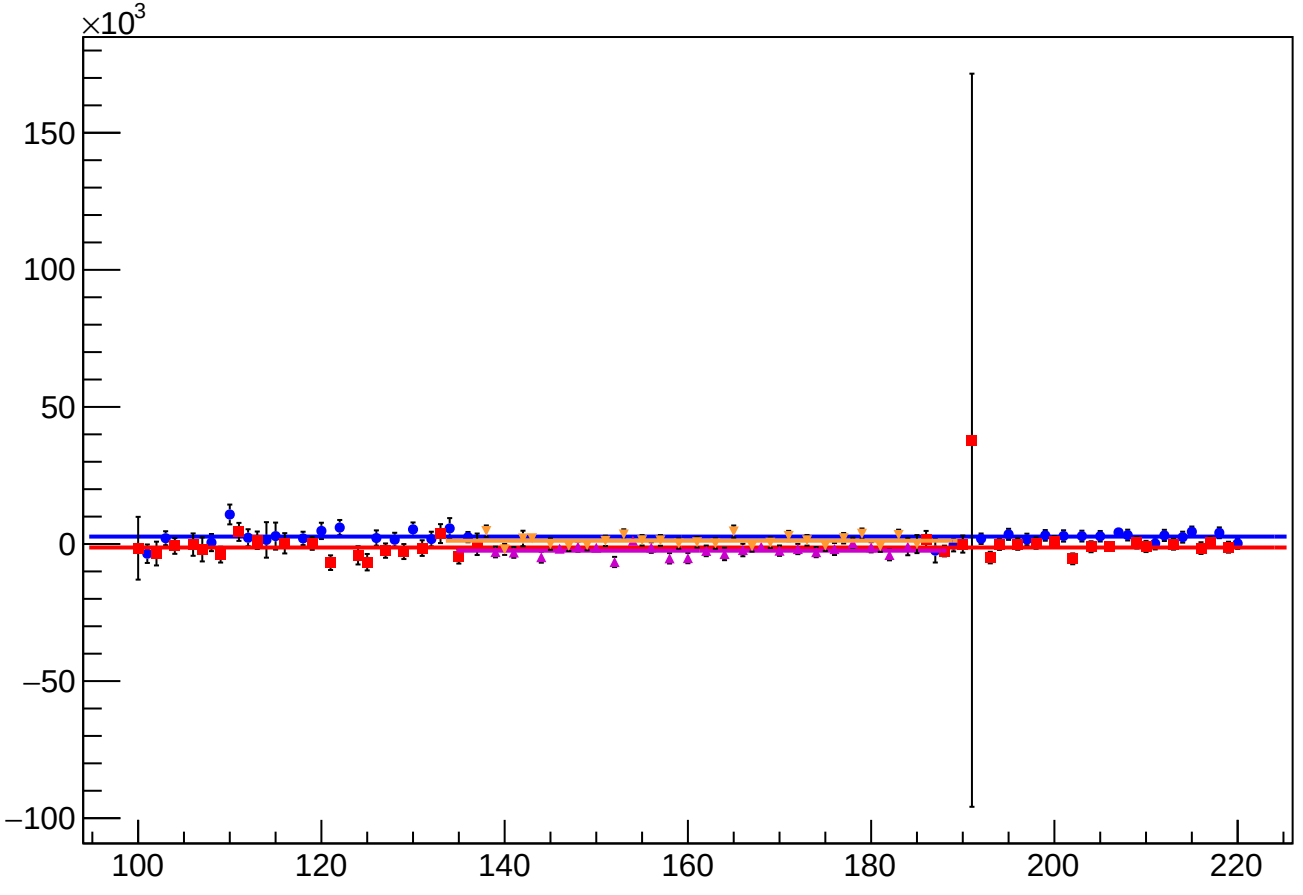
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3983.694+/-0.510 χ^2/NDF: 18618374.8/57

All: 3574.155+/-0.339 χ^2/NDF: 47456764.7/1

- sign 3251.008+/-0.453 χ^2/NDF: 27684296.2/59

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2709.000+/-408.149 χ^2/NDF: 21.8/32

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1273.087+/-411.314 χ^2/NDF: 31.7/36

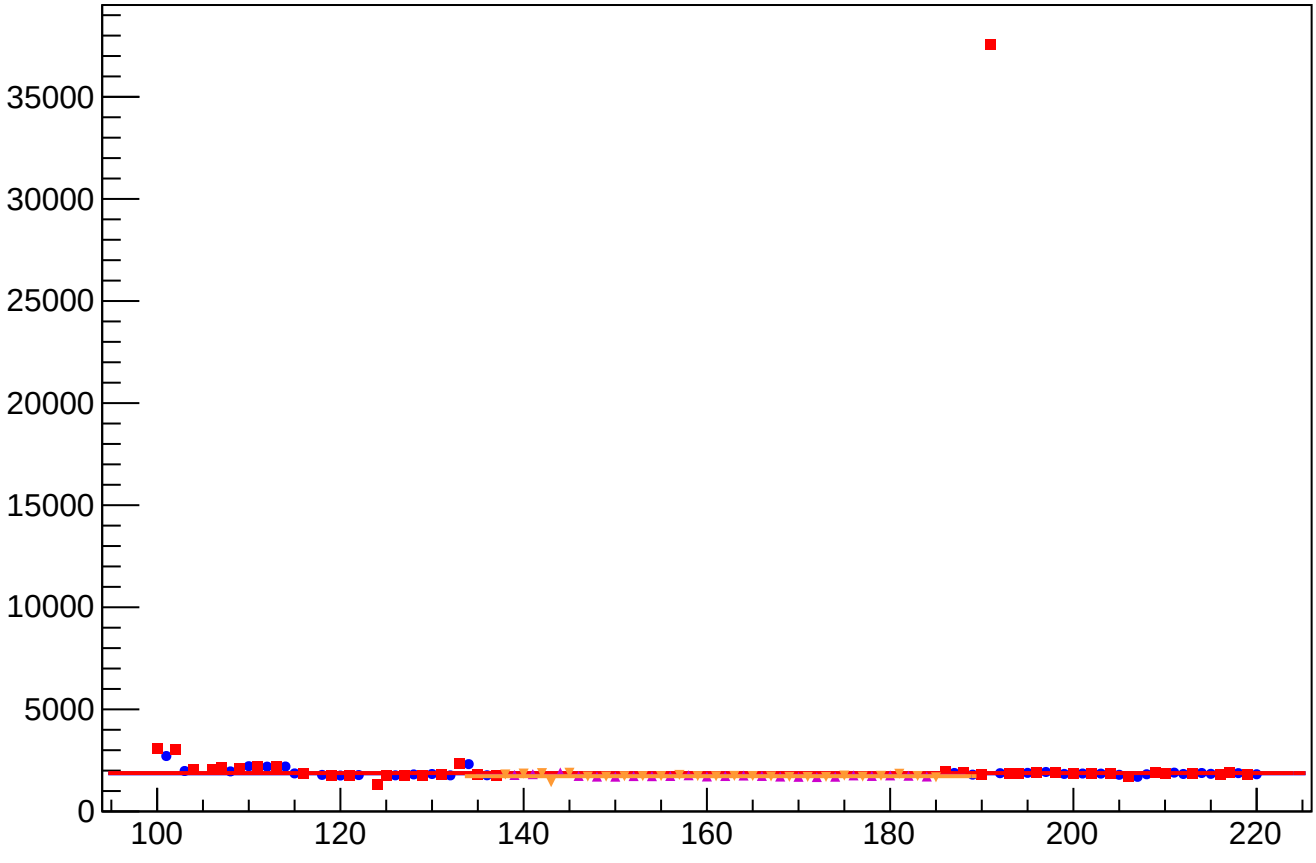
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1924.569+/-283.090 χ^2/NDF: 48.4/57

All: 74.217+/-202.404 χ^2/NDF: 192.2/117

- sign -1860.928+/-289.504 χ^2/NDF: 56.3/59

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1867.632+/-0.289 χ^2/NDF: 254291.1/32

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

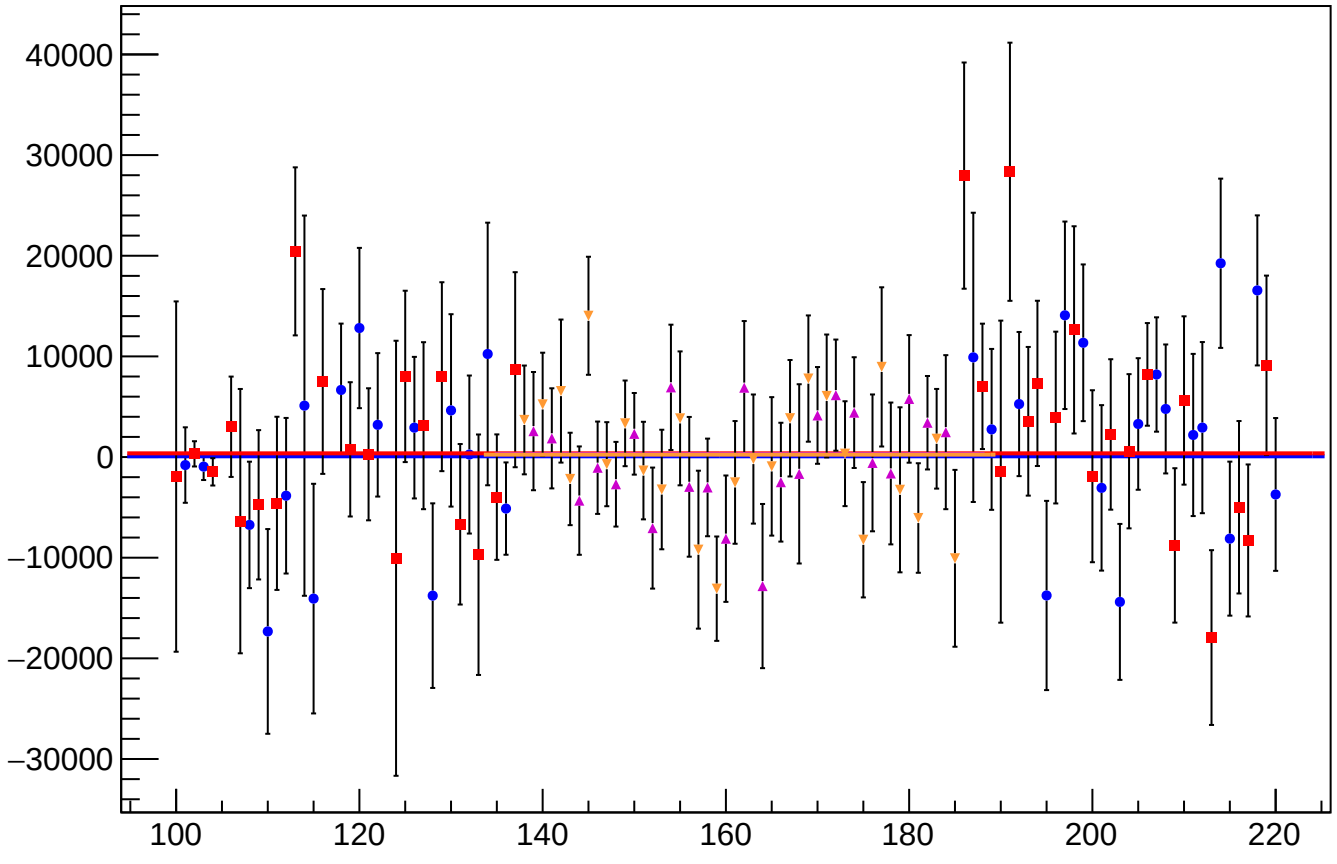
Right Out: 1879.899+/-0.291 χ^2/NDF: 523654.6/36

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1794.777+/-0.200 χ^2/NDF: 487364.5/57

All: 1803.032+/-0.143 χ^2/NDF: 1150468.4/11

- sign 1811.662+/-0.205 χ^2/NDF: 659625.3/59



Right In: 74.123+/-930.521 χ^2/NDF: 40.7/32

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 368.521+/-765.175 χ^2/NDF: 40.0/36

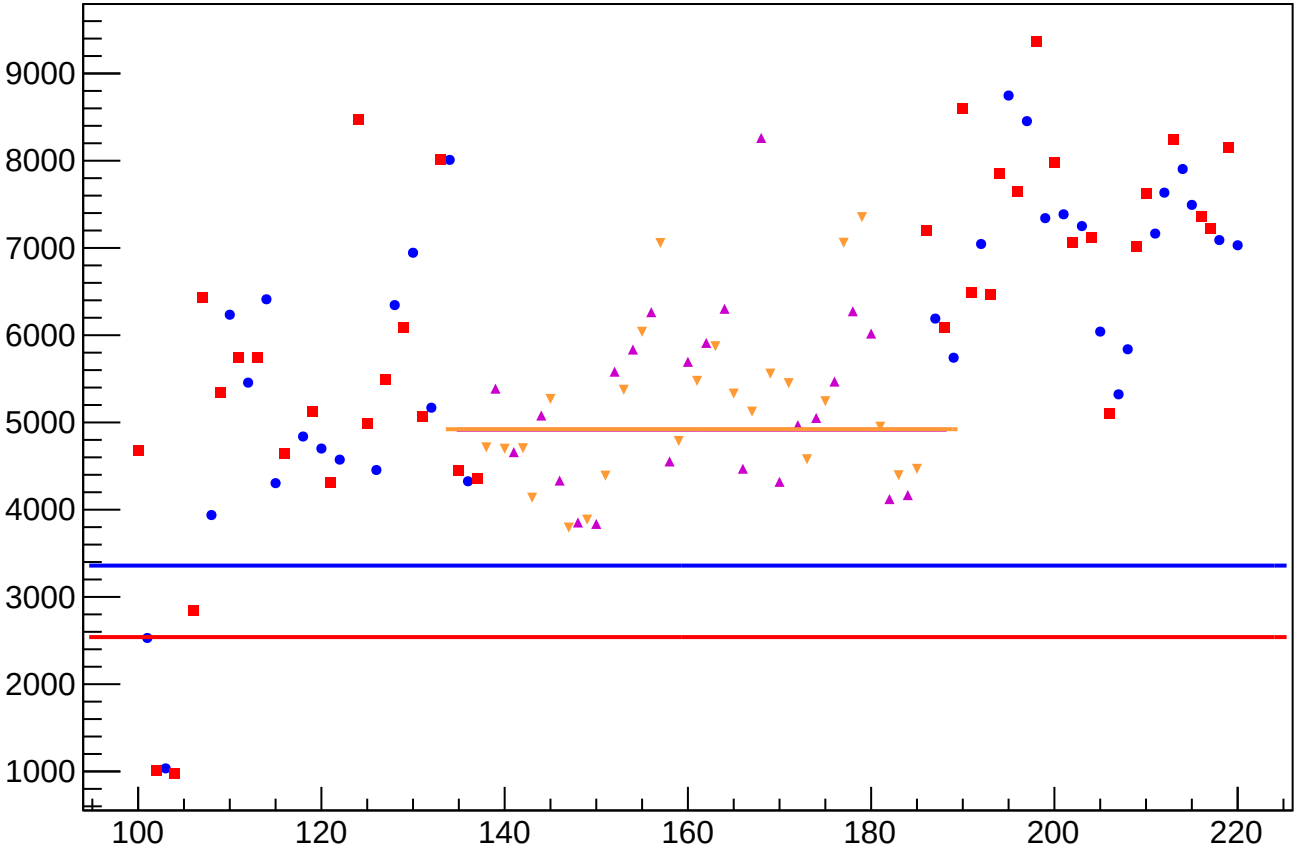
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

\+ sign 140.833+/-721.110 χ^2/NDF: 67.4/57

All: 257.662+/-478.898 χ^2/NDF: 121.9/117

\- sign 349.846+/-640.551 χ^2/NDF: 54.5/59

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 3359.338+/-0.658 χ^2/NDF: 15313848.0/32

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

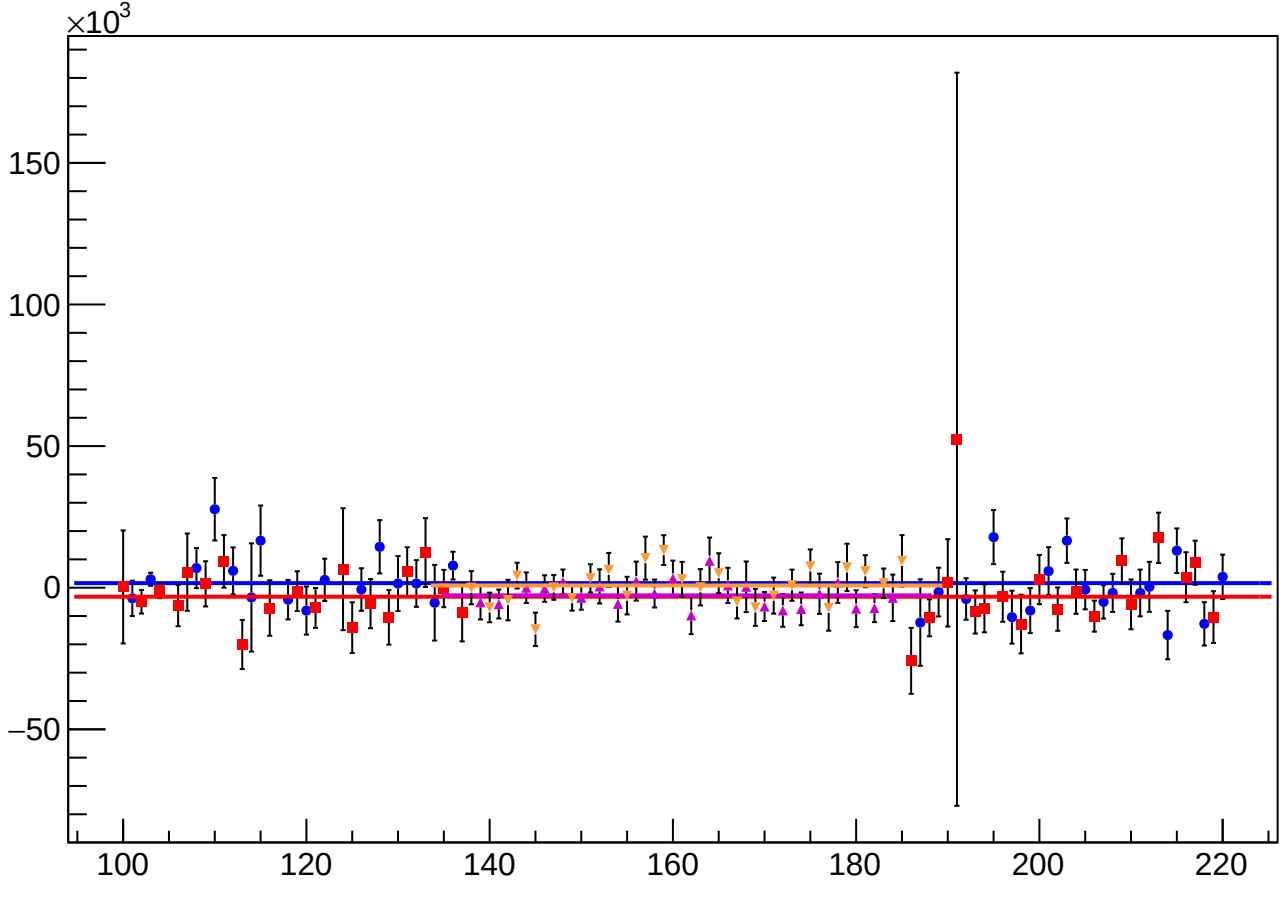
Right Out: 2539.698+/-0.541 χ^2/NDF: 20746446.0/36

Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3983.695+/-0.510 χ^2/NDF: 18618413.1/57

All: 3574.155+/-0.339 χ^2/NDF: 47456849.6/1

- sign 3251.007+/-0.453 χ^2/NDF: 27684339.6/59



Right In: 1620.920+/-1204.452 χ^2/NDF: 38.5/32

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -3174.479+/-1224.858 χ^2/NDF: 34.6/36

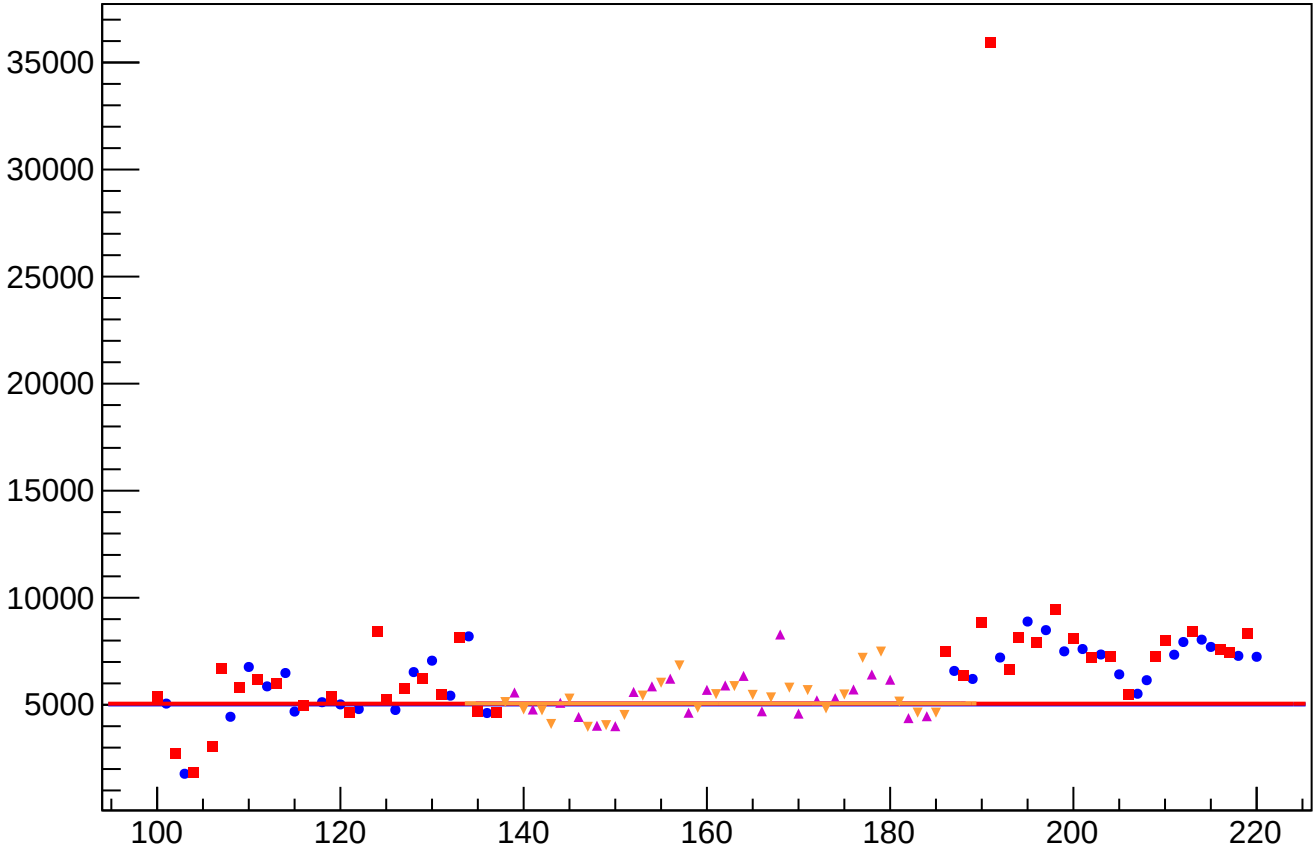
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1193.057+/-839.954 χ^2/NDF: 66.4/57

All: -824.286+/-600.716 χ^2/NDF: 124.7/117

- sign -2936.422+/-859.462 χ^2/NDF: 46.6/59

asym_atl1r2_avg_rms vs Slug



Right In: 5017.103+/-0.852 χ^2/NDF: 7117484.6/32

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 5052.664+/-0.861 χ^2/NDF: 7415343.4/36

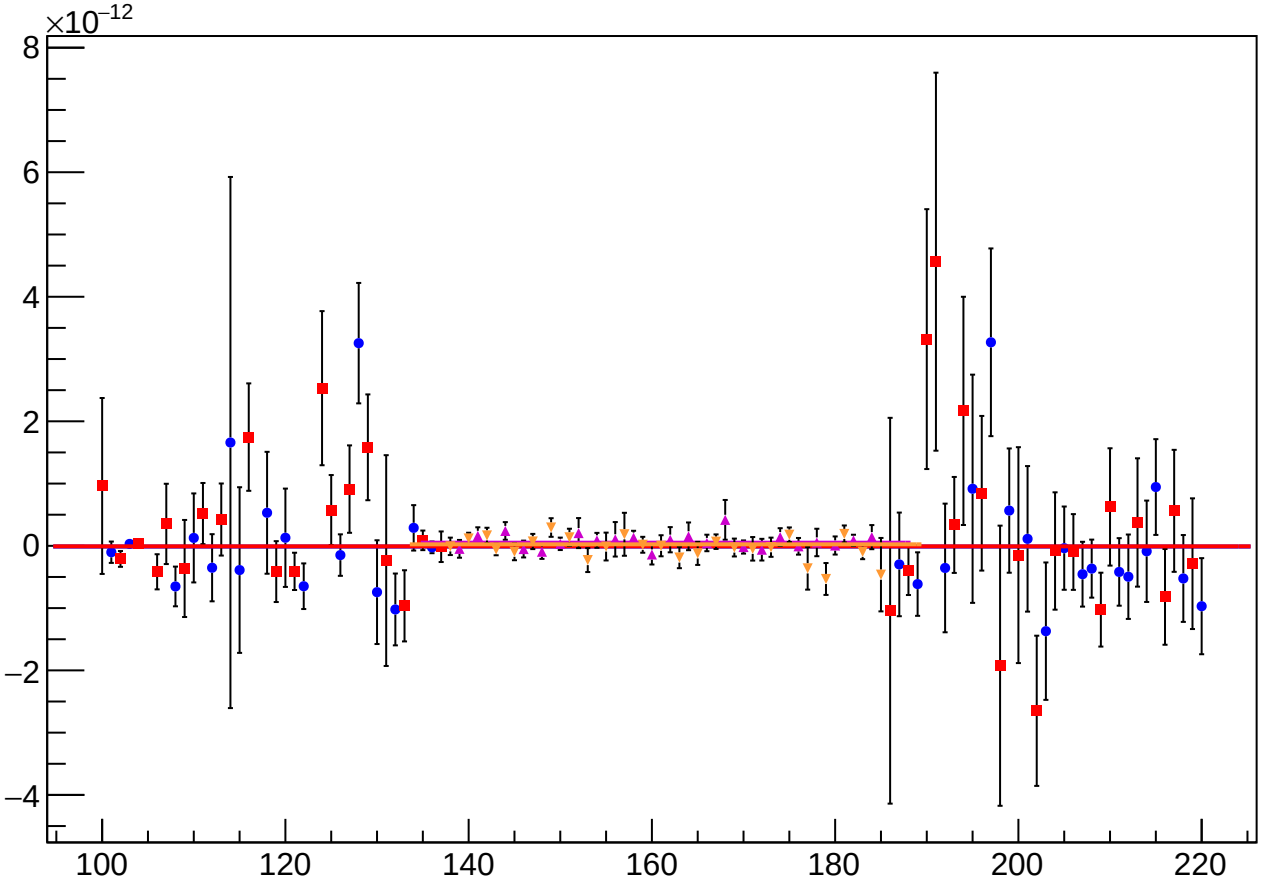
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 5043.195+/-0.594 χ^2/NDF: 8073565.5/57

All: 5054.523+/-0.424 χ^2/NDF: 16491391.1/1

- sign 5066.311+/-0.606 χ^2/NDF: 8417083.2/59

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 40.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

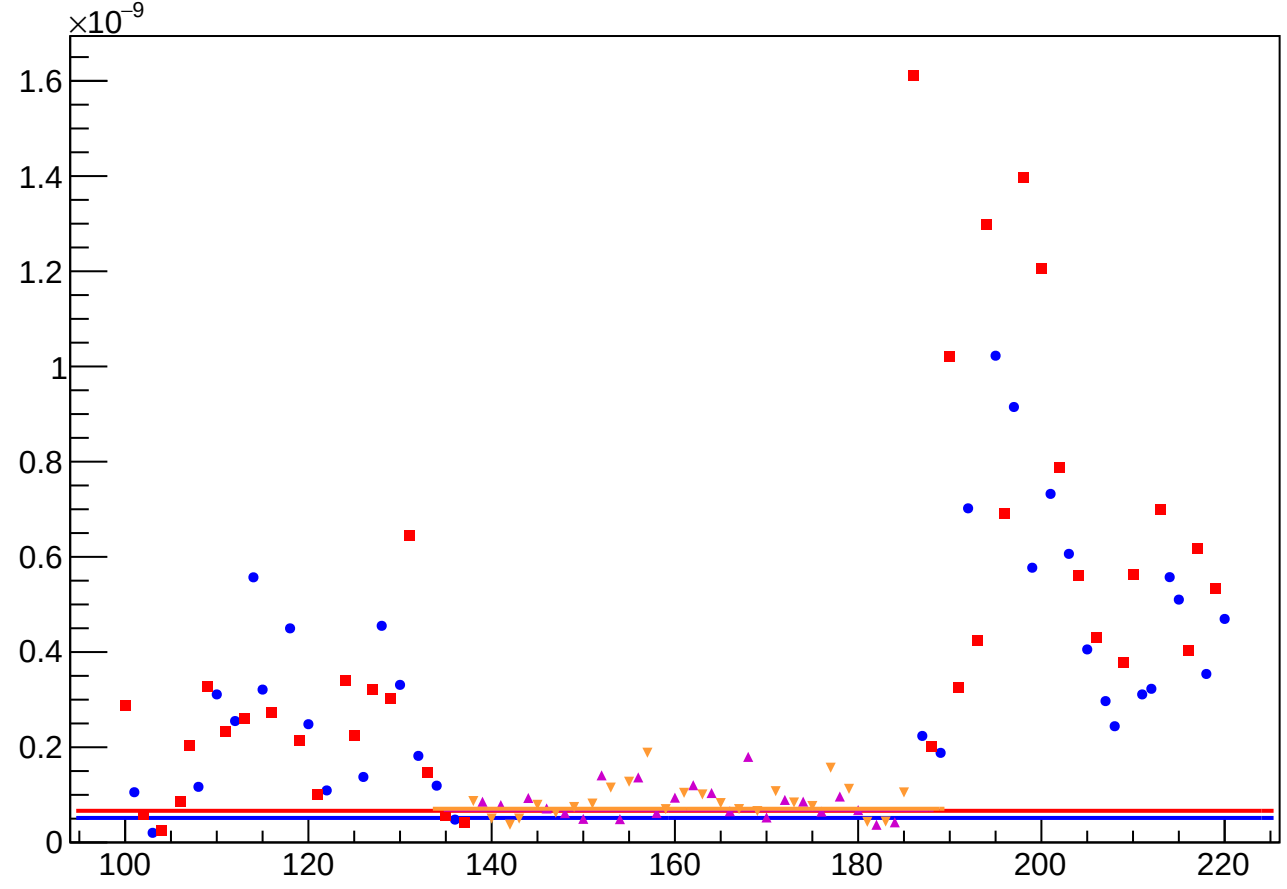
Right Out: -0.000+/-0.000 χ^2/NDF: 46.9/36

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.2/57

All: 0.000+/-0.000 χ^2/NDF: 123.8/117

- sign 0.000+/-0.000 χ^2/NDF: 59.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 11982584.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

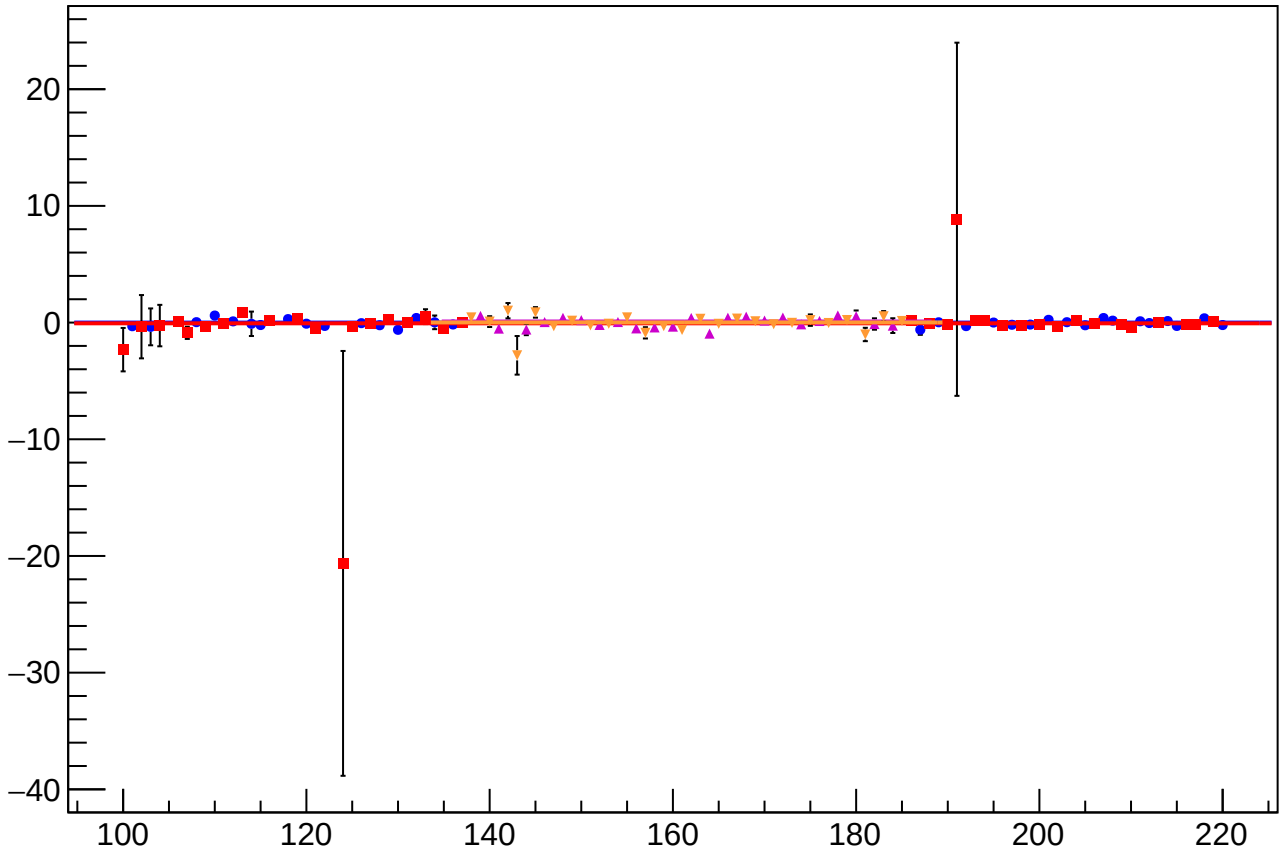
Right Out: 0.000+/-0.000 χ^2/NDF: 13040679.1/36

Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13827888.4/57

All: 0.000+/-0.000 χ^2/NDF: 28349896.0/117

- sign 0.000+/-0.000 χ^2/NDF: 14476875.1/59



Right In: -0.001+/-0.043 χ^2/NDF: 34.9/32

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.063+/-0.041 χ^2/NDF: 33.9/36

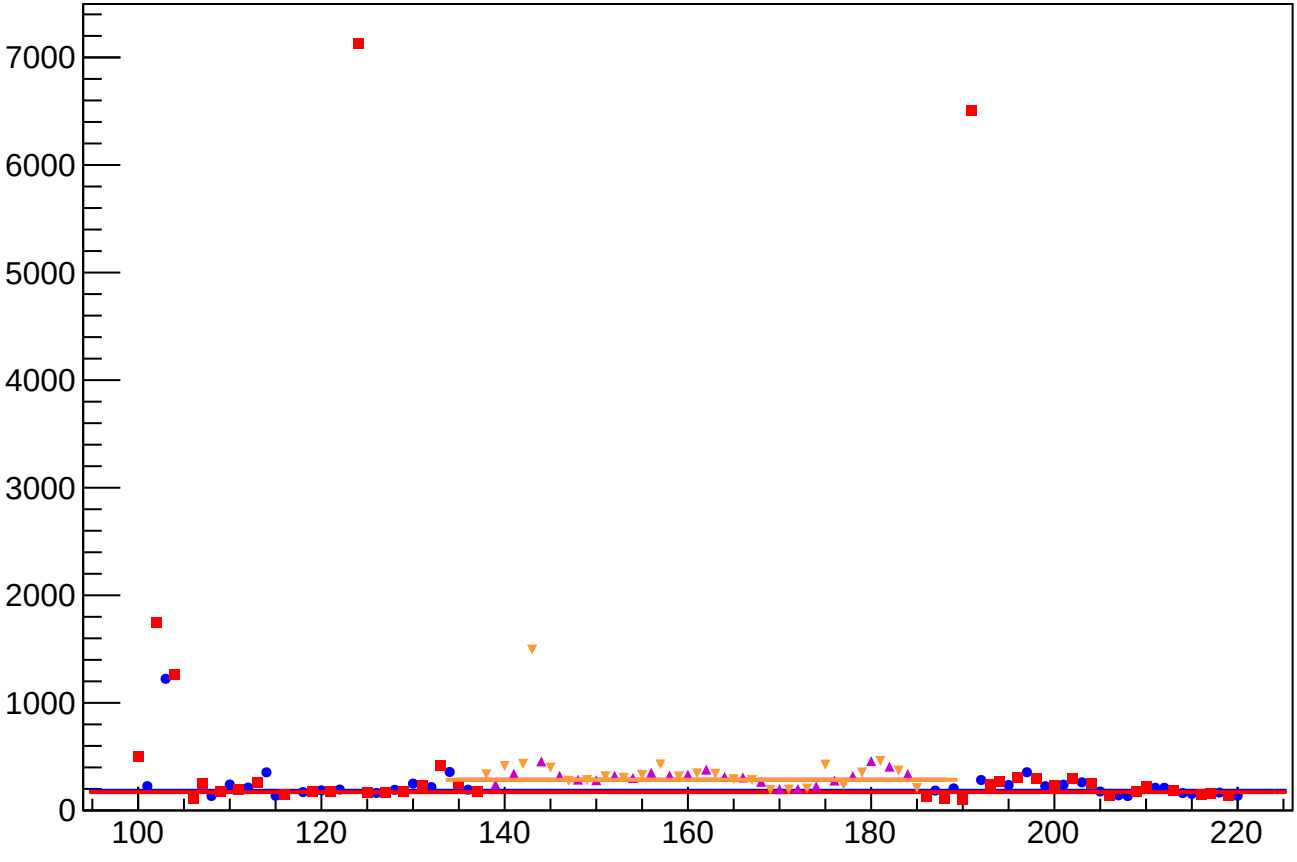
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.003+/-0.037 χ^2/NDF: 63.2/57

All: -0.011+/-0.025 χ^2/NDF: 131.8/117

- sign -0.024+/-0.036 χ^2/NDF: 68.3/59

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 182.764+/-0.030 χ^2/NDF: 3118884.0/32

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

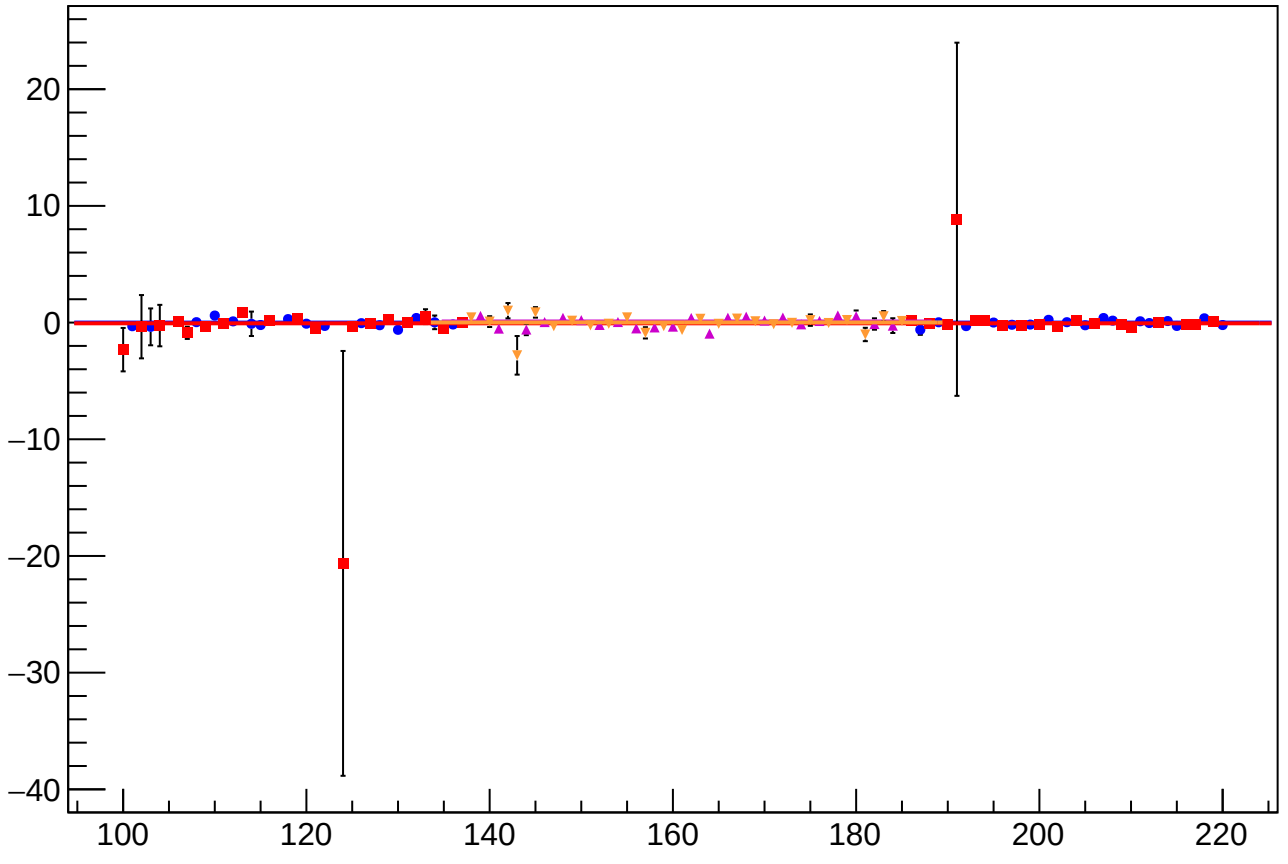
Right Out: 170.234+/-0.029 χ^2/NDF: 5620424.0/36

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 210.776+/-0.026 χ^2/NDF: 9641756.2/57

All: 205.099+/-0.018 χ^2/NDF: 21118720.5/11

- sign 199.723+/-0.025 χ^2/NDF: 11382984.9/59



Right In: -0.001+/-0.043 χ^2/NDF: 34.9/32

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.063+/-0.041 χ^2/NDF: 33.9/36

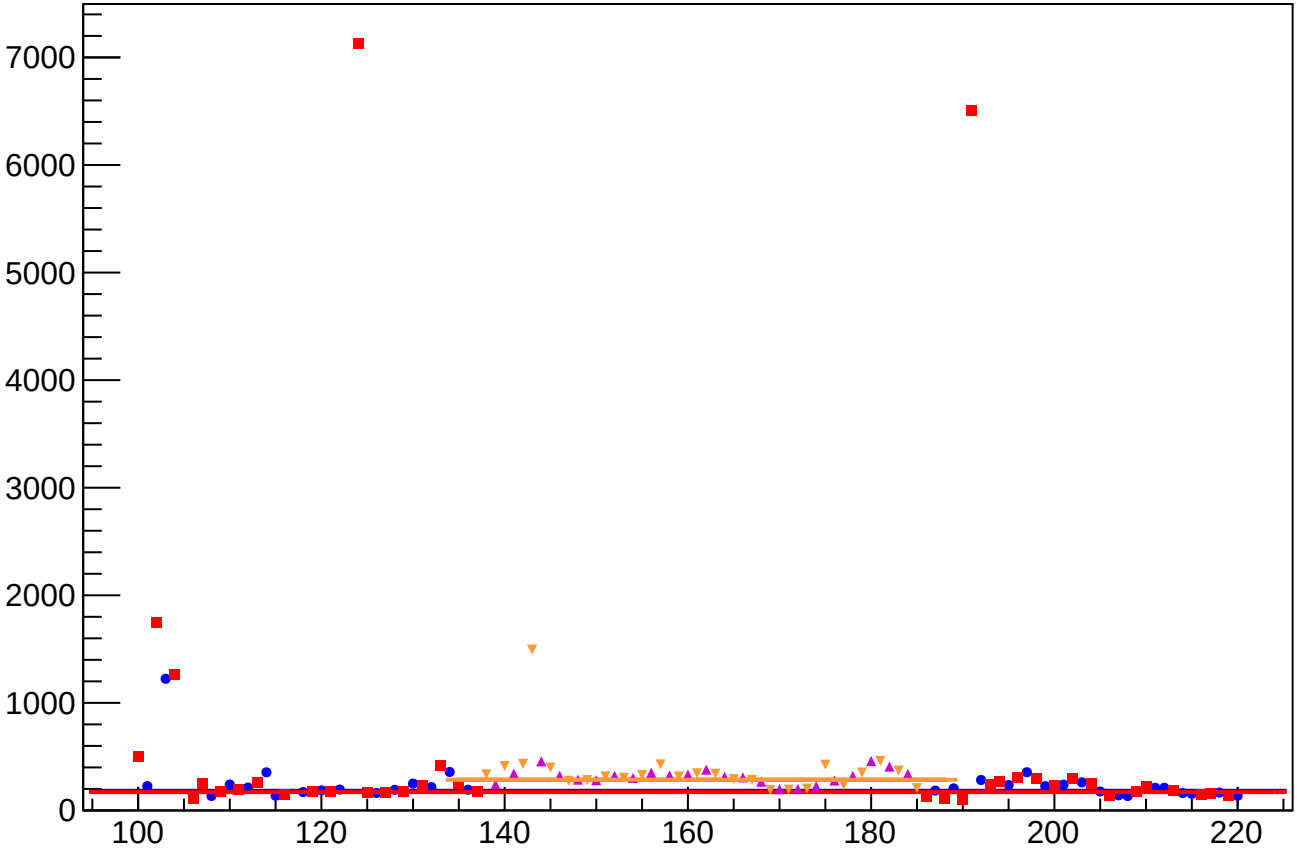
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.003+/-0.037 χ^2/NDF: 63.2/57

All: -0.011+/-0.025 χ^2/NDF: 131.8/117

- sign -0.024+/-0.036 χ^2/NDF: 68.3/59

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 182.764+/-0.030 χ^2/NDF: 3118884.0/32

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

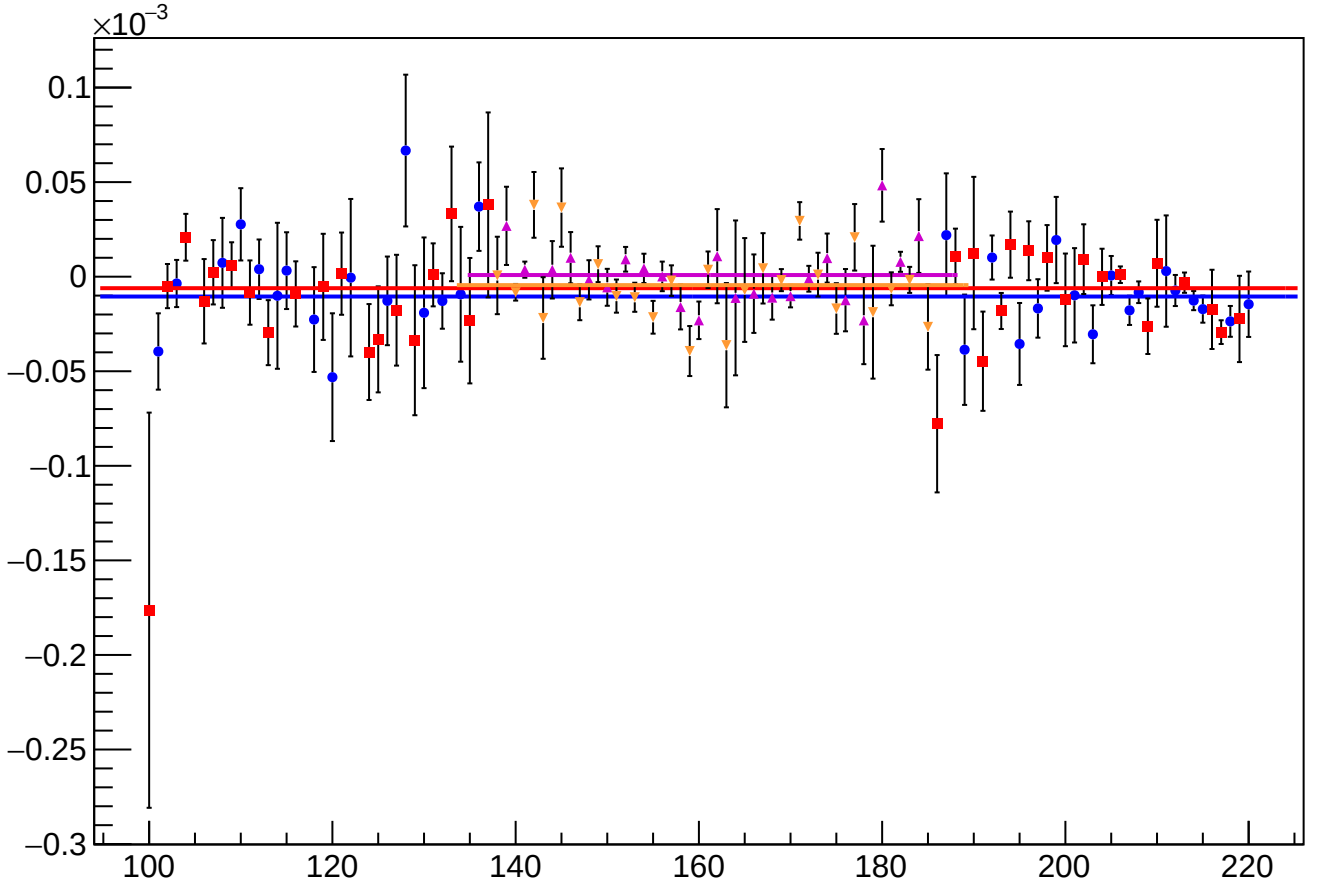
Right Out: 170.234+/-0.029 χ^2/NDF: 5620424.0/36

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 210.776+/-0.026 χ^2/NDF: 9641756.2/57

All: 205.099+/-0.018 χ^2/NDF: 21118720.5/11

- sign 199.723+/-0.025 χ^2/NDF: 11382984.9/59



Right In: -0.000+/-0.000 χ^2/NDF: 34.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

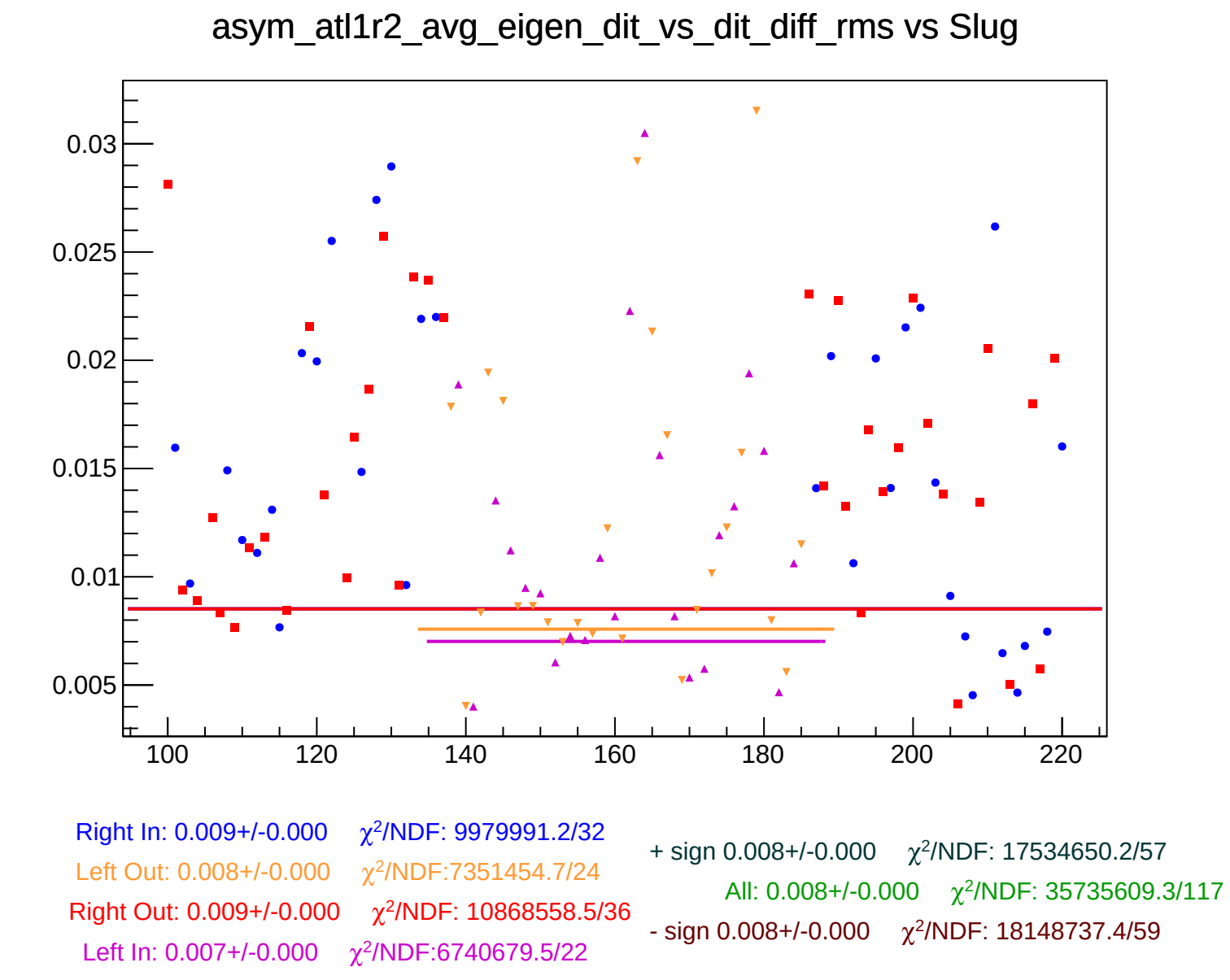
Right Out: -0.000+/-0.000 χ^2/NDF: 50.6/36

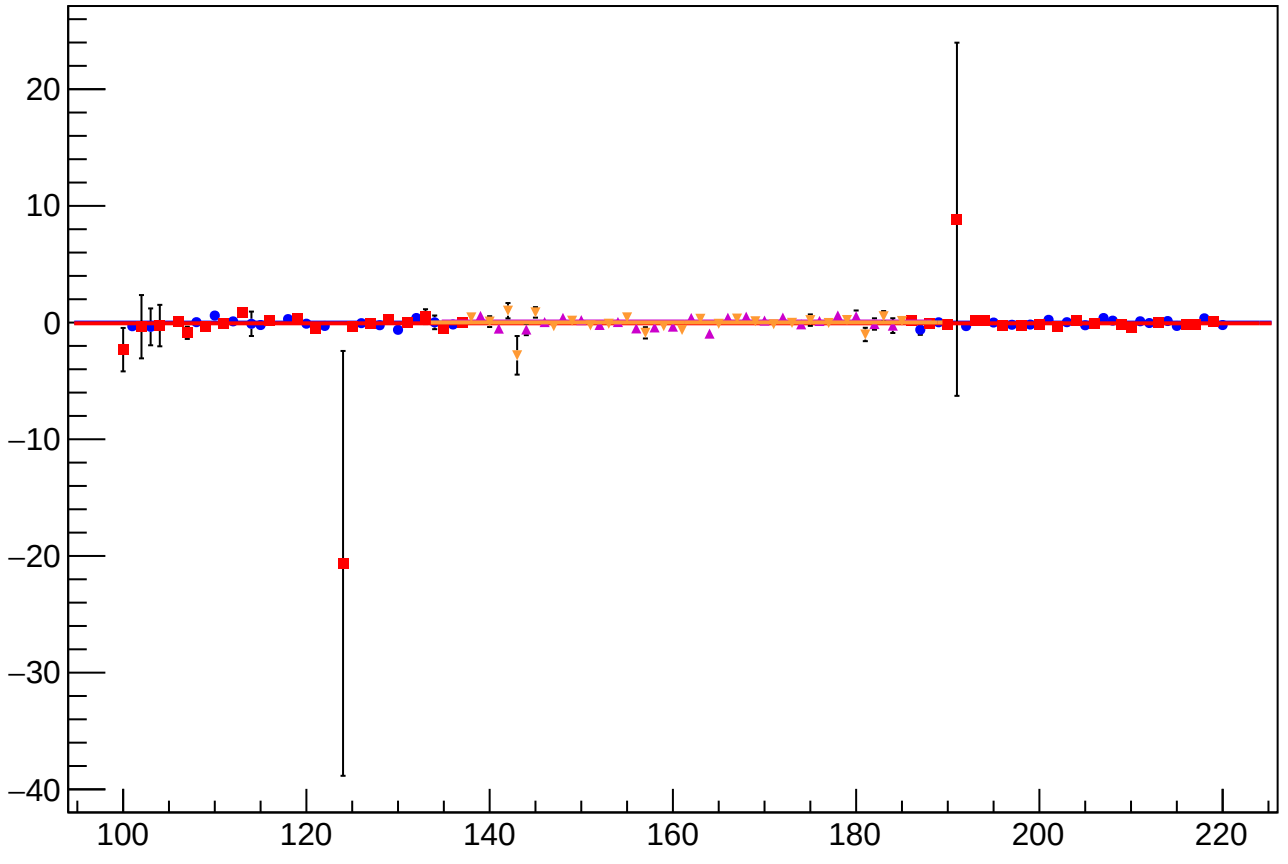
Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.3/57

All: -0.000+/-0.000 χ^2/NDF: 173.6/117

- sign -0.000+/-0.000 χ^2/NDF: 85.3/59


asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
220
Right In: 0.009+/-0.000 χ²/NDF: 9979991.2/32
Left Out: 0.008+/-0.000 χ²/NDF:7351454.7/24
Right Out: 0.009+/-0.000 χ²/NDF: 10868558.5/36
Left In: 0.007+/-0.000 χ²/NDF:6740679.5/22
+ sign 0.008+/-0.000 χ²/NDF: 17534650.2/57
All: 0.008+/-0.000 χ²/NDF: 35735609.3/117
- sign 0.008+/-0.000 χ²/NDF: 18148737.4/59



Right In: -0.001+/-0.043 χ^2/NDF: 34.9/32

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

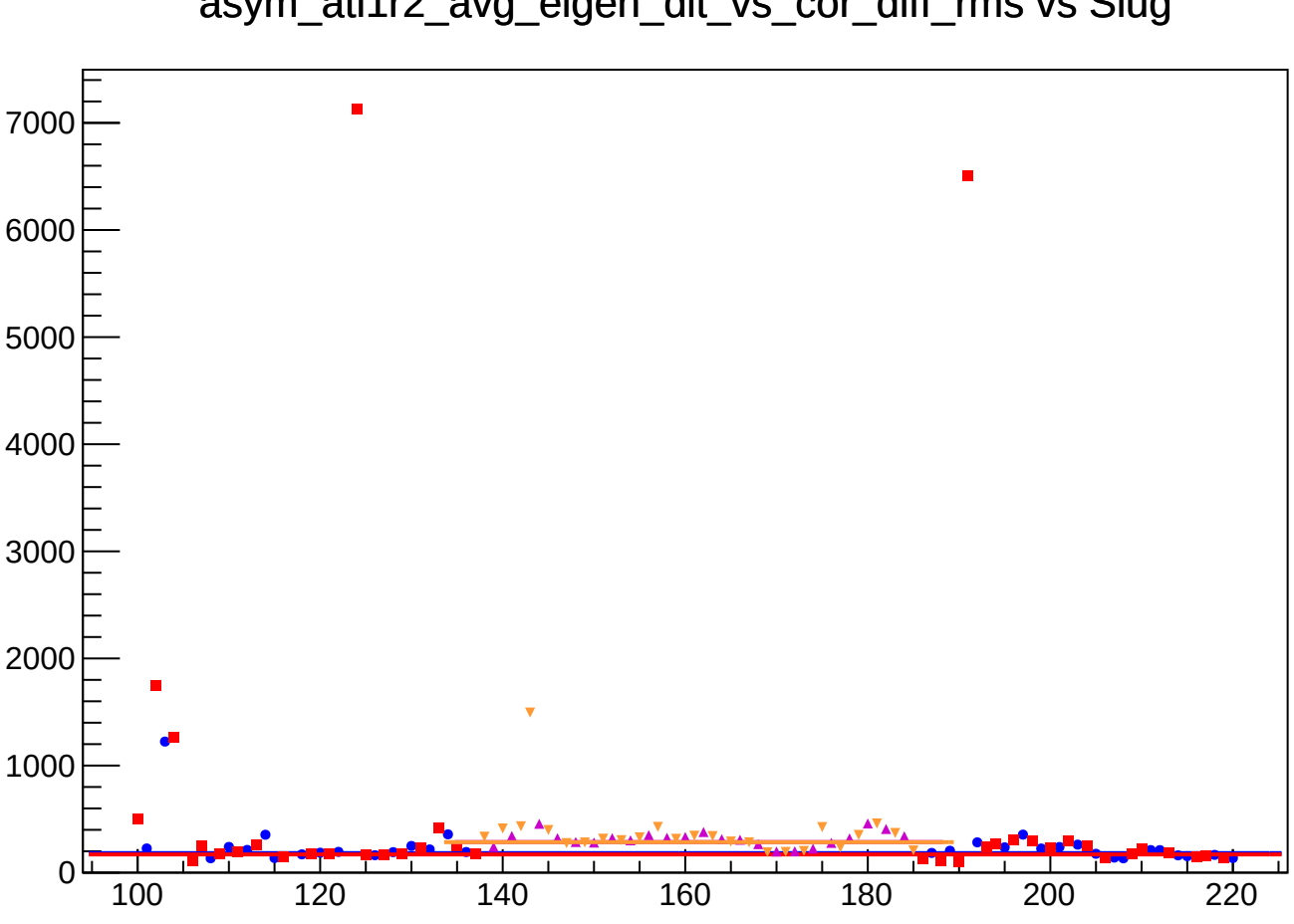
Right Out: -0.063+/-0.041 χ^2/NDF: 33.9/36

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.003+/-0.037 χ^2/NDF: 63.2/57

All: -0.011+/-0.025 χ^2/NDF: 131.8/117

- sign -0.024+/-0.036 χ^2/NDF: 68.3/59



Right In: 182.764+/-0.030 χ^2/NDF: 3118886.0/32

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

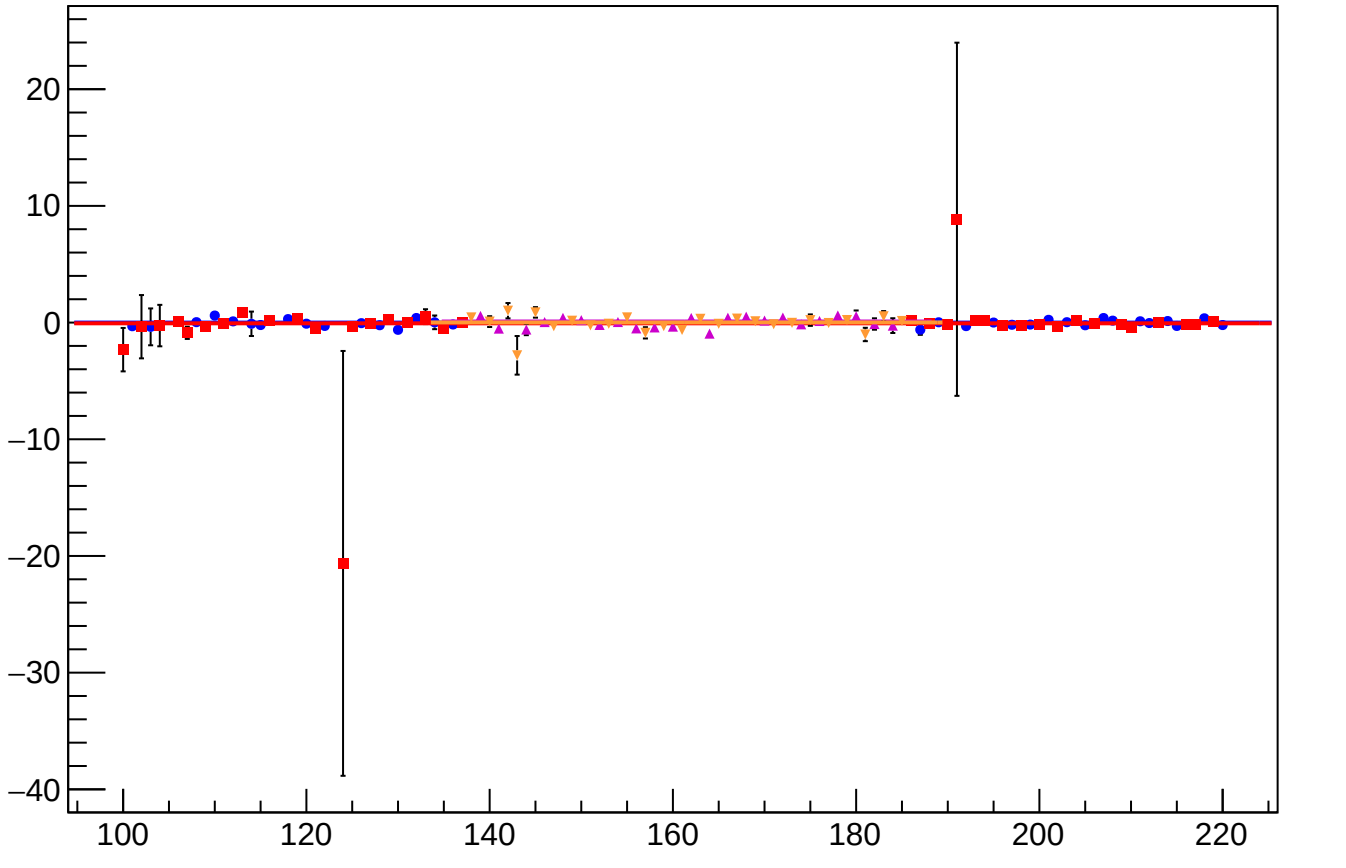
Right Out: 170.232+/-0.029 χ^2/NDF: 5620535.1/36

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 210.775+/-0.026 χ^2/NDF: 9641970.4/57

All: 205.098+/-0.018 χ^2/NDF: 21119360.5/11

- sign 199.722+/-0.025 χ^2/NDF: 11383392.9/59



Right In: -0.001+/-0.043 χ^2/NDF: 34.9/32

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

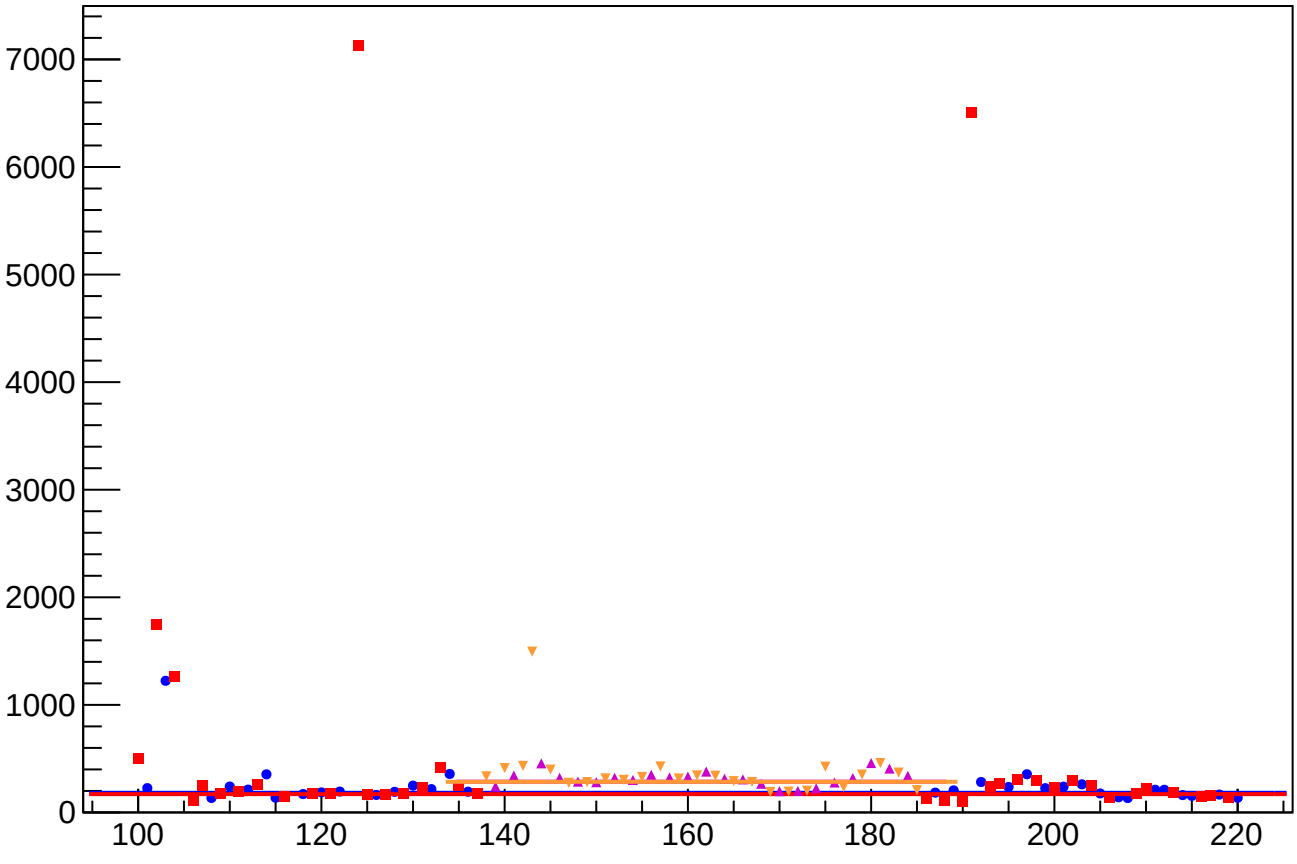
Right Out: -0.063+/-0.041 χ^2/NDF: 33.9/36

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign 0.003+/-0.037 χ^2/NDF: 63.2/57

All: -0.011+/-0.025 χ^2/NDF: 131.8/117

- sign -0.024+/-0.036 χ^2/NDF: 68.3/59



Right In: 182.764+/-0.030 χ^2/NDF: 3118886.0/32

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

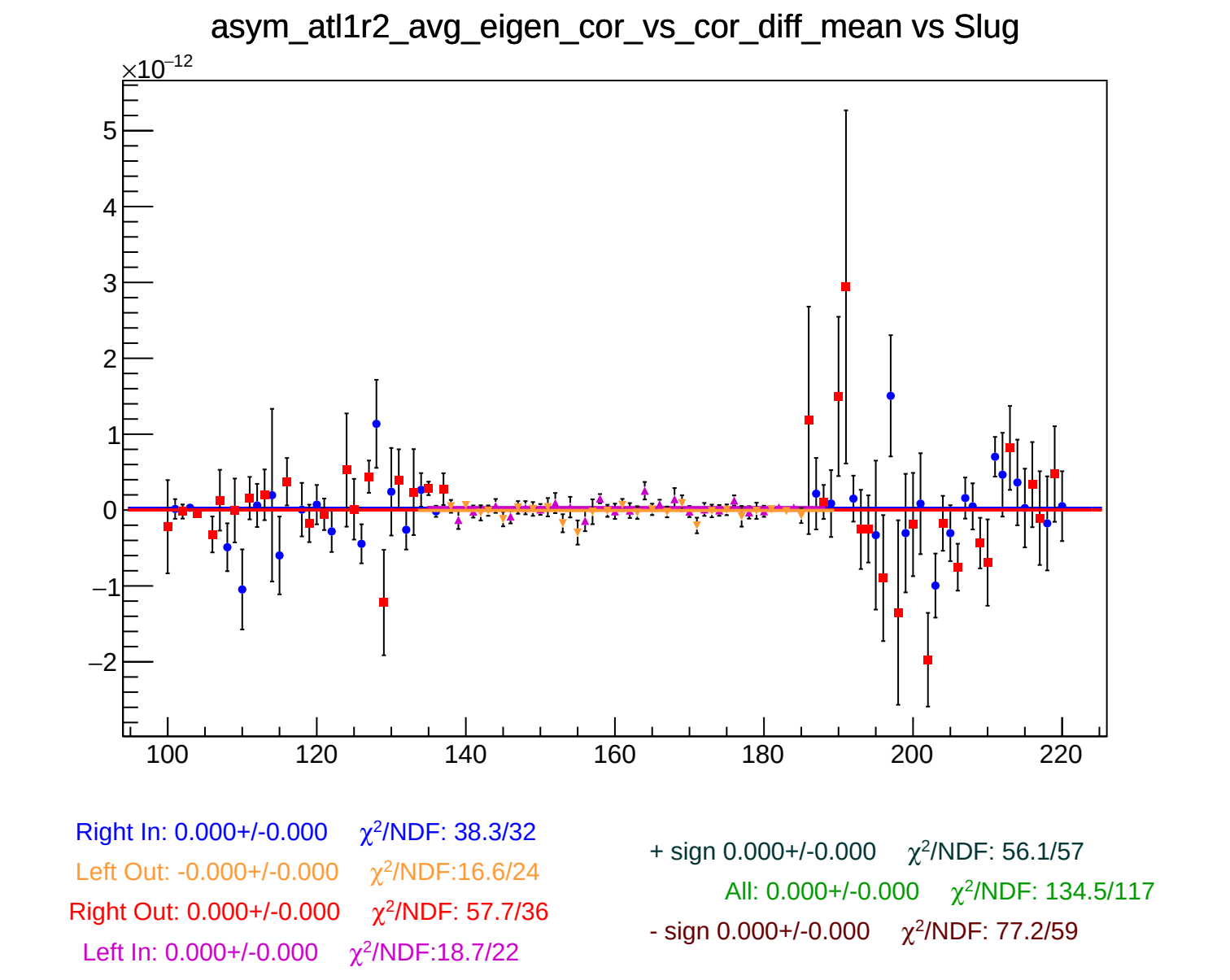
Right Out: 170.232+/-0.029 χ^2/NDF: 5620535.1/36

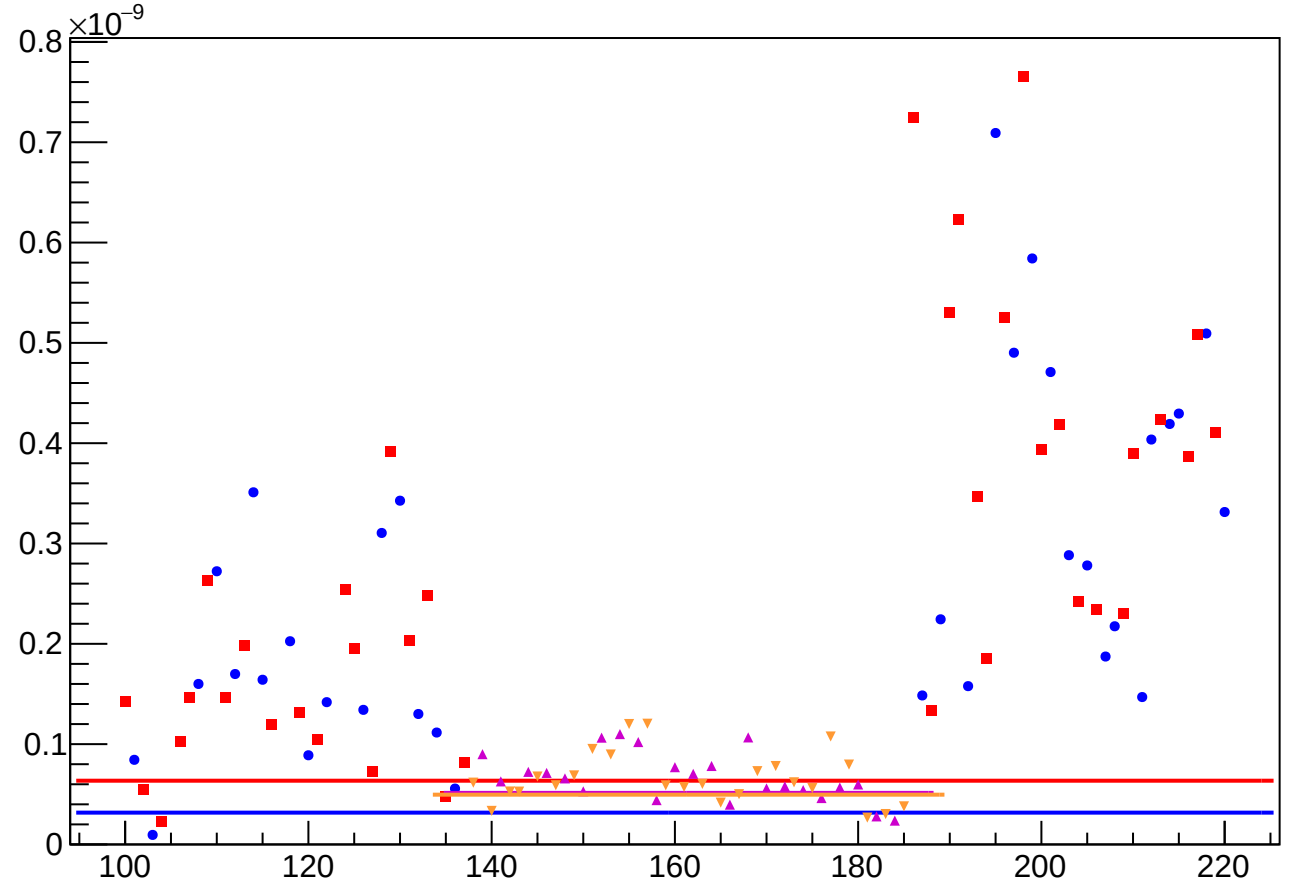
Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 210.775+/-0.026 χ^2/NDF: 9641970.4/57

All: 205.098+/-0.018 χ^2/NDF: 21119360.5/11

- sign 199.722+/-0.025 χ^2/NDF: 11383392.9/59


asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 38.3/32
Left Out: -0.000+/-0.000 χ²/NDF:16.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 57.7/36
Left In: 0.000+/-0.000 χ²/NDF:18.7/22
+ sign 0.000+/-0.000 χ²/NDF: 56.1/57
All: 0.000+/-0.000 χ²/NDF: 134.5/117
- sign 0.000+/-0.000 χ²/NDF: 77.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 19636724.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14434913.5/36

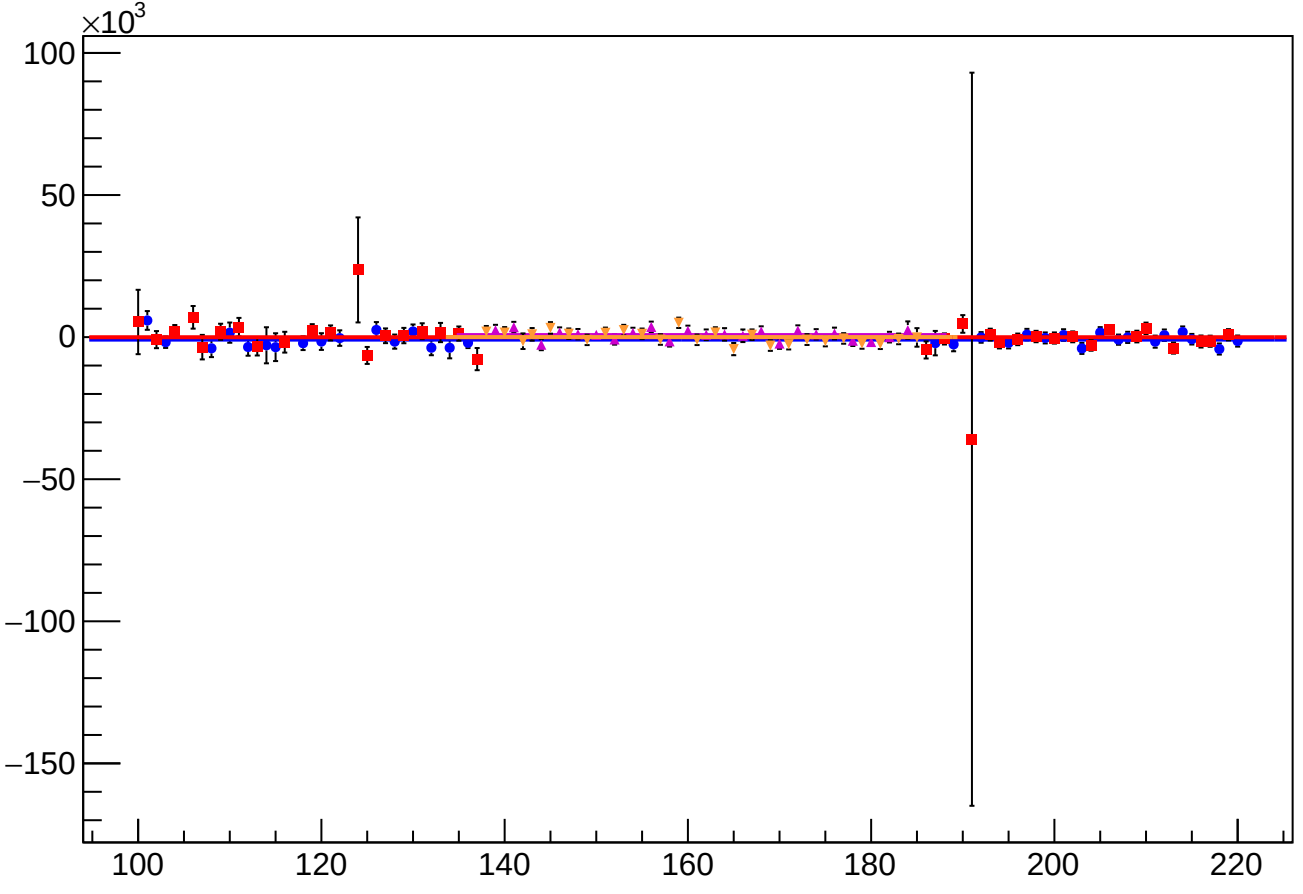
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 24529965.0/57

All: 0.000+/-0.000 χ^2/NDF: 43564977.9/117

- sign 0.000+/-0.000 χ^2/NDF: 18349928.6/59

reg_asym_atl1r2_dd_mean vs Slug



Right In: -874.074+/-400.673 χ^2/NDF: 24.8/32

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: -38.720+/-405.116 χ^2/NDF: 39.0/36

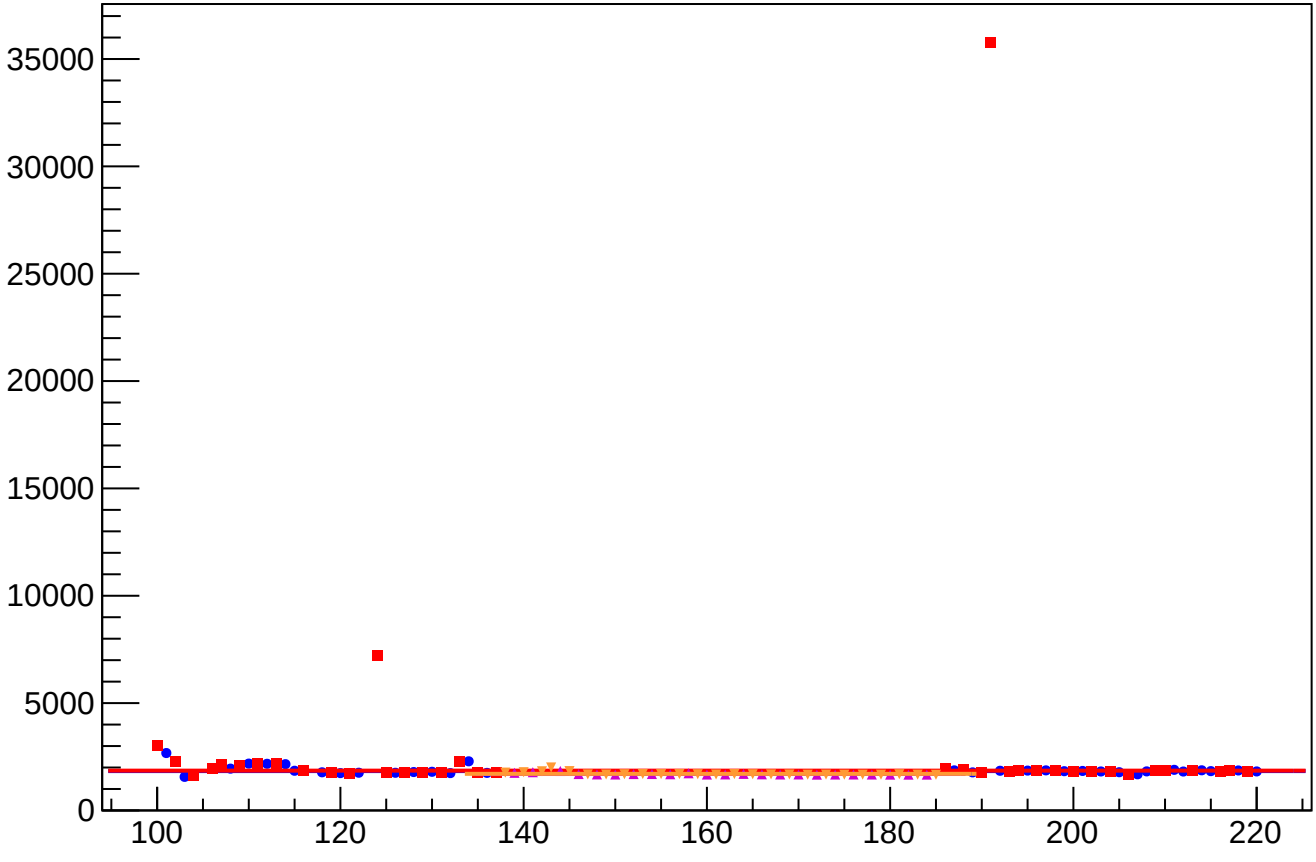
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

\+ sign -410.758+/-278.631 χ^2/NDF: 56.8/57

All: -37.456+/-198.668 χ^2/NDF: 120.4/117

\- sign 348.589+/-283.346 χ^2/NDF: 59.9/59

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1833.344+/-0.283 χ^2/NDF: 282129.5/32

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1854.441+/-0.286 χ^2/NDF: 537097.0/36

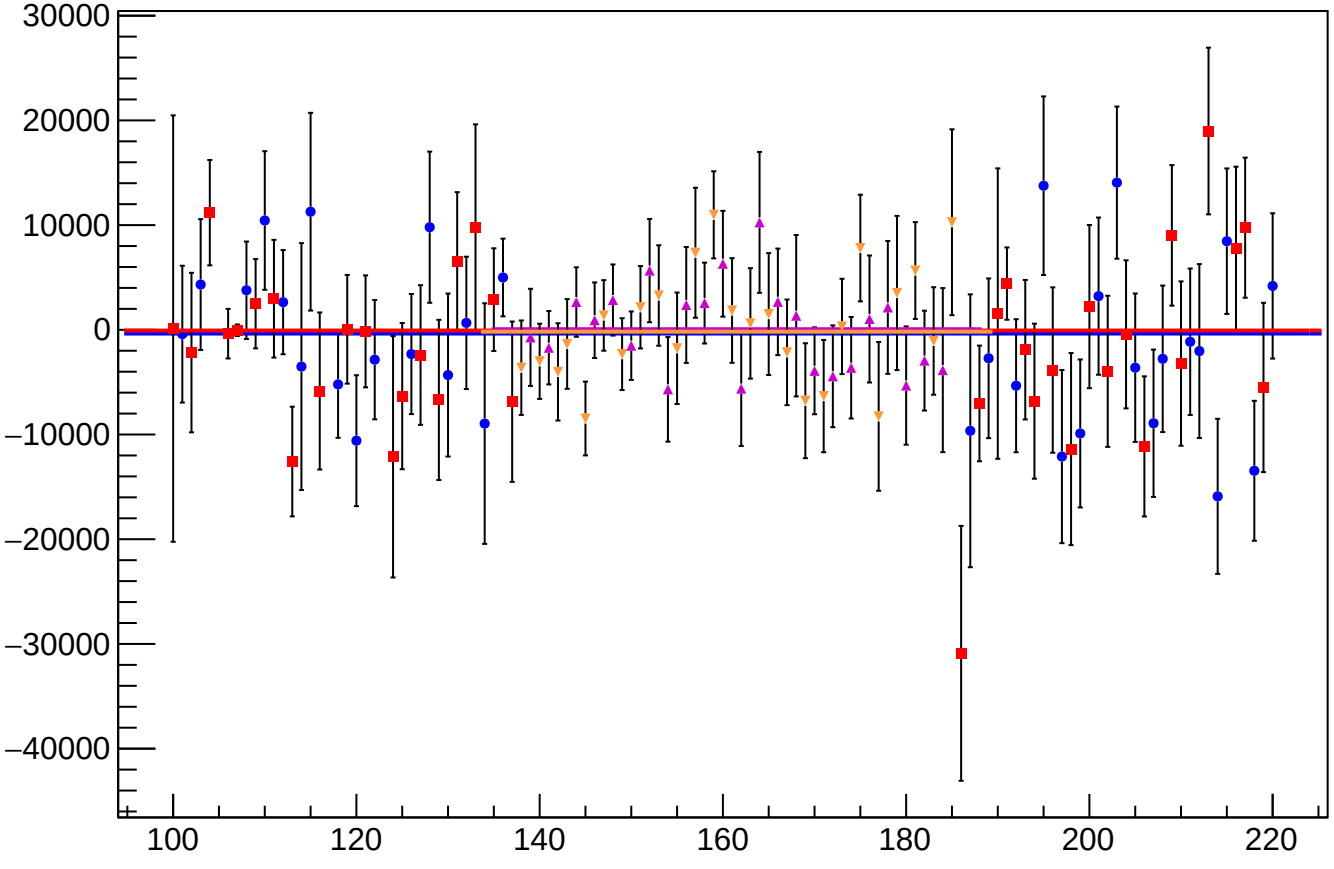
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1767.394+/-0.197 χ^2/NDF: 446985.9/57

All: 1770.810+/-0.140 χ^2/NDF: 1159255.3/11

- sign 1774.341+/-0.200 χ^2/NDF: 711658.0/59

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: -356.488+/-1151.796 χ^2/NDF: 38.9/32

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -69.315+/-482.575 χ^2/NDF: 44.7/36

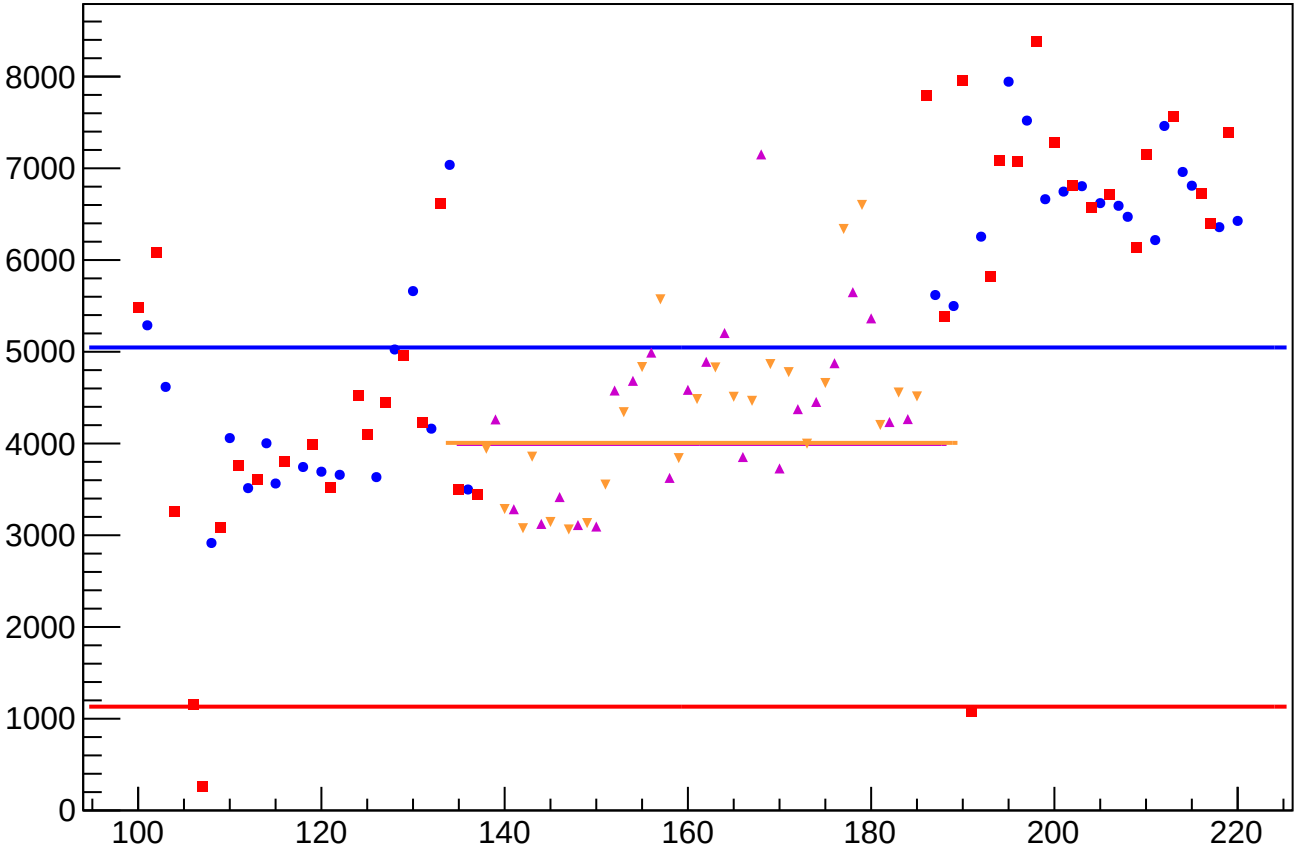
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

\+ sign -247.572+/-725.990 χ^2/NDF: 66.9/57

All: -96.868+/-370.506 χ^2/NDF: 126.0/117

\- sign -43.793+/-430.836 χ^2/NDF: 59.0/59

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 5047.032+/-0.814 χ^2/NDF: 3395349.8/32

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 1131.529+/-0.341 χ^2/NDF: 31103462.0/36

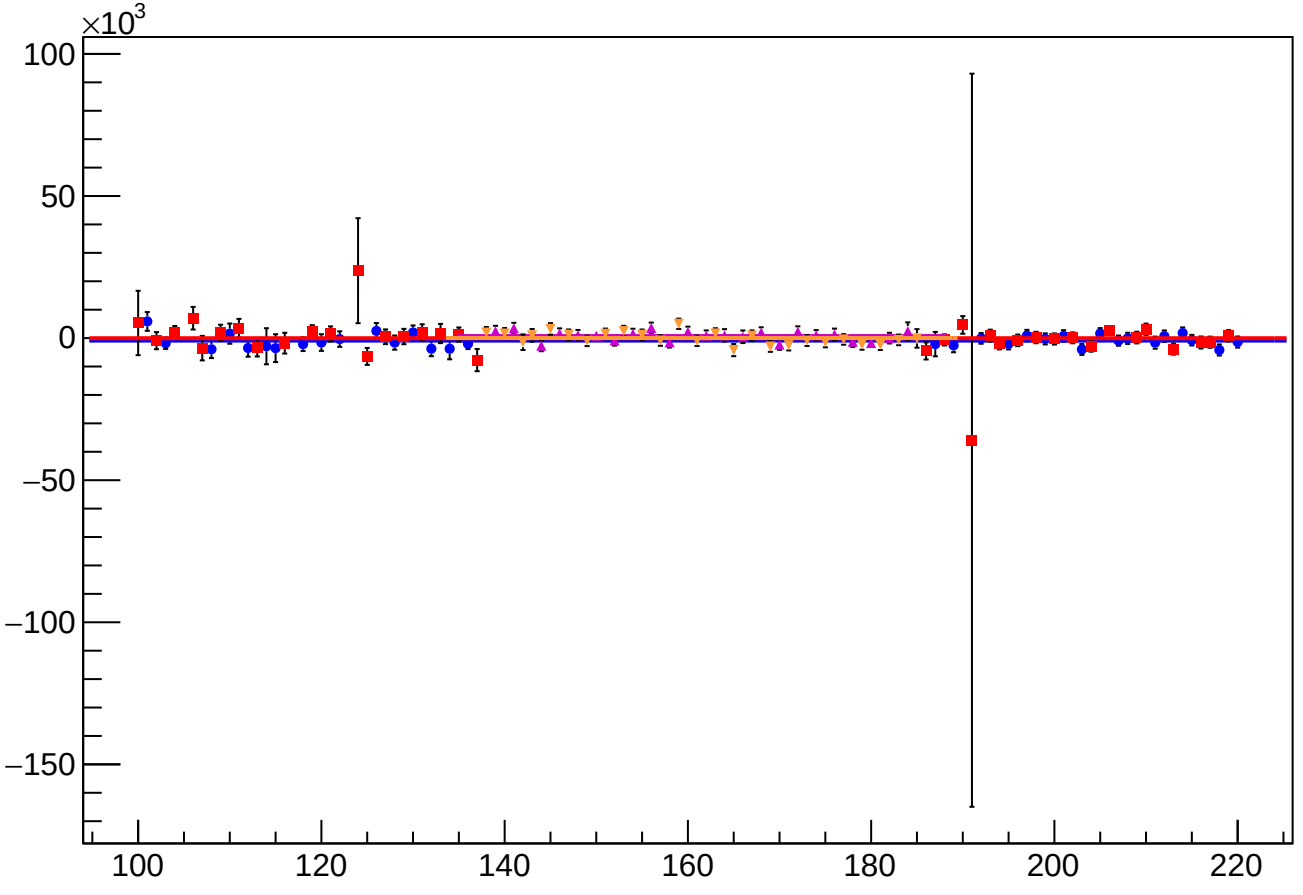
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4420.195+/-0.513 χ^2/NDF: 5881862.2/57

All: 2417.814+/-0.262 χ^2/NDF: 73386402.8/1

- sign 1712.619+/-0.305 χ^2/NDF: 46931610.8/59

cor_asym_atl1r2_dd_mean vs Slug



Right In: -873.915+/-400.673 χ^2/NDF: 24.8/32

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -38.567+/-405.116 χ^2/NDF: 39.1/36

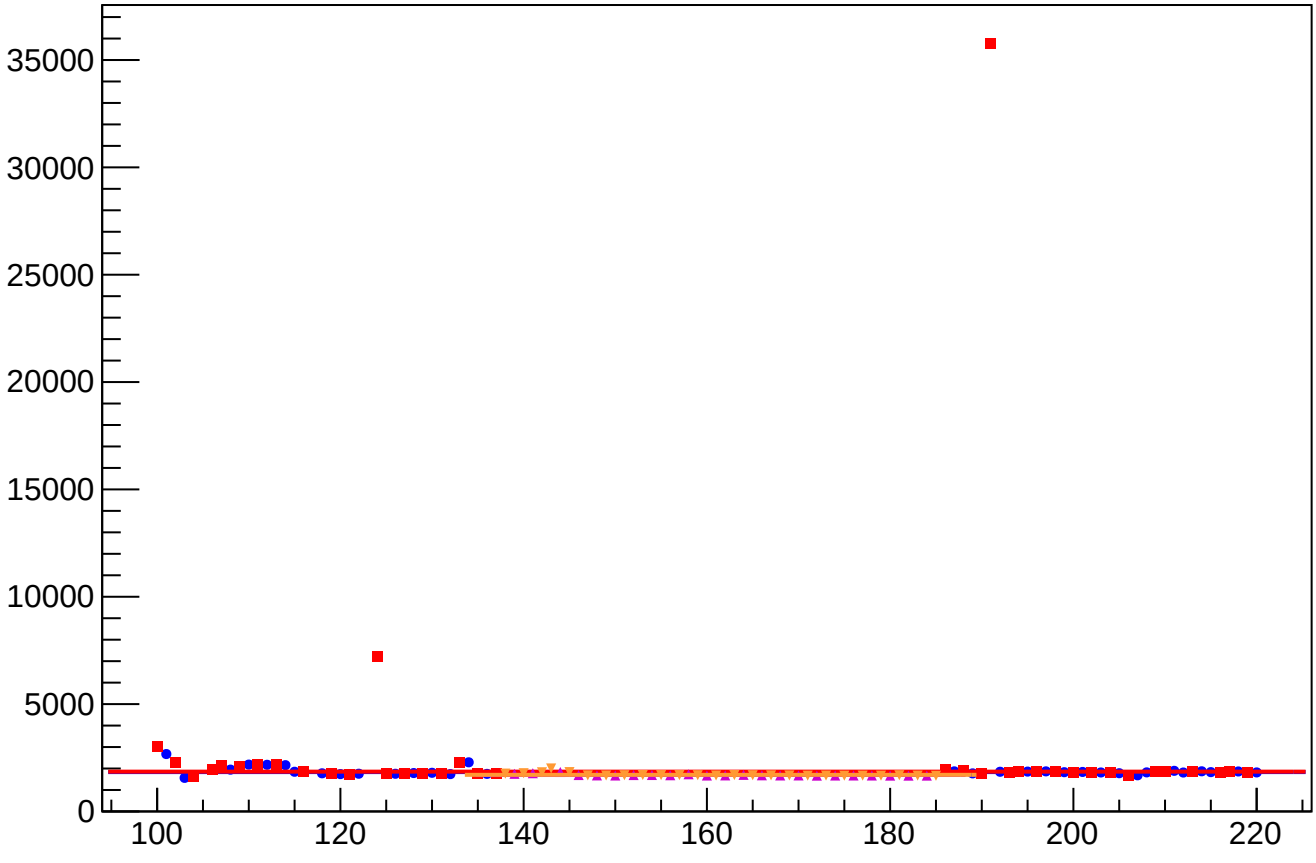
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

\+ sign -410.644+/-278.631 χ^2/NDF: 56.8/57

All: -37.392+/-198.668 χ^2/NDF: 120.4/117

\- sign 348.601+/-283.346 χ^2/NDF: 59.9/59

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1833.344+/-0.283 χ^2/NDF: 282128.7/32

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1854.587+/-0.286 χ^2/NDF: 537444.6/36

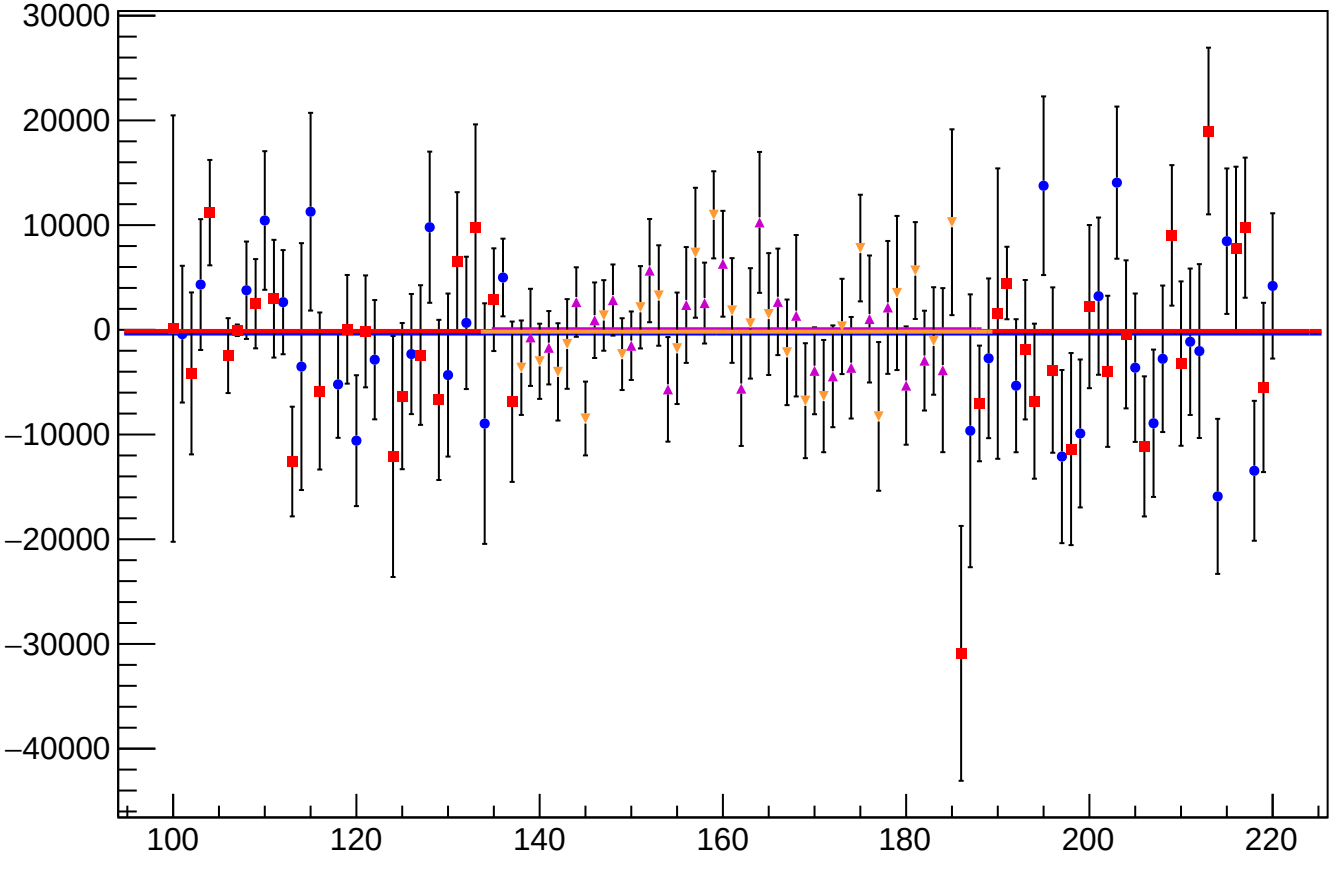
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1767.394+/-0.197 χ^2/NDF: 446985.3/57

All: 1770.843+/-0.140 χ^2/NDF: 1159887.9/11

- sign 1774.407+/-0.200 χ^2/NDF: 712279.6/59

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: -356.537+/-1151.799 χ^2/NDF: 38.9/32

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -107.940+/-488.327 χ^2/NDF: 45.4/36

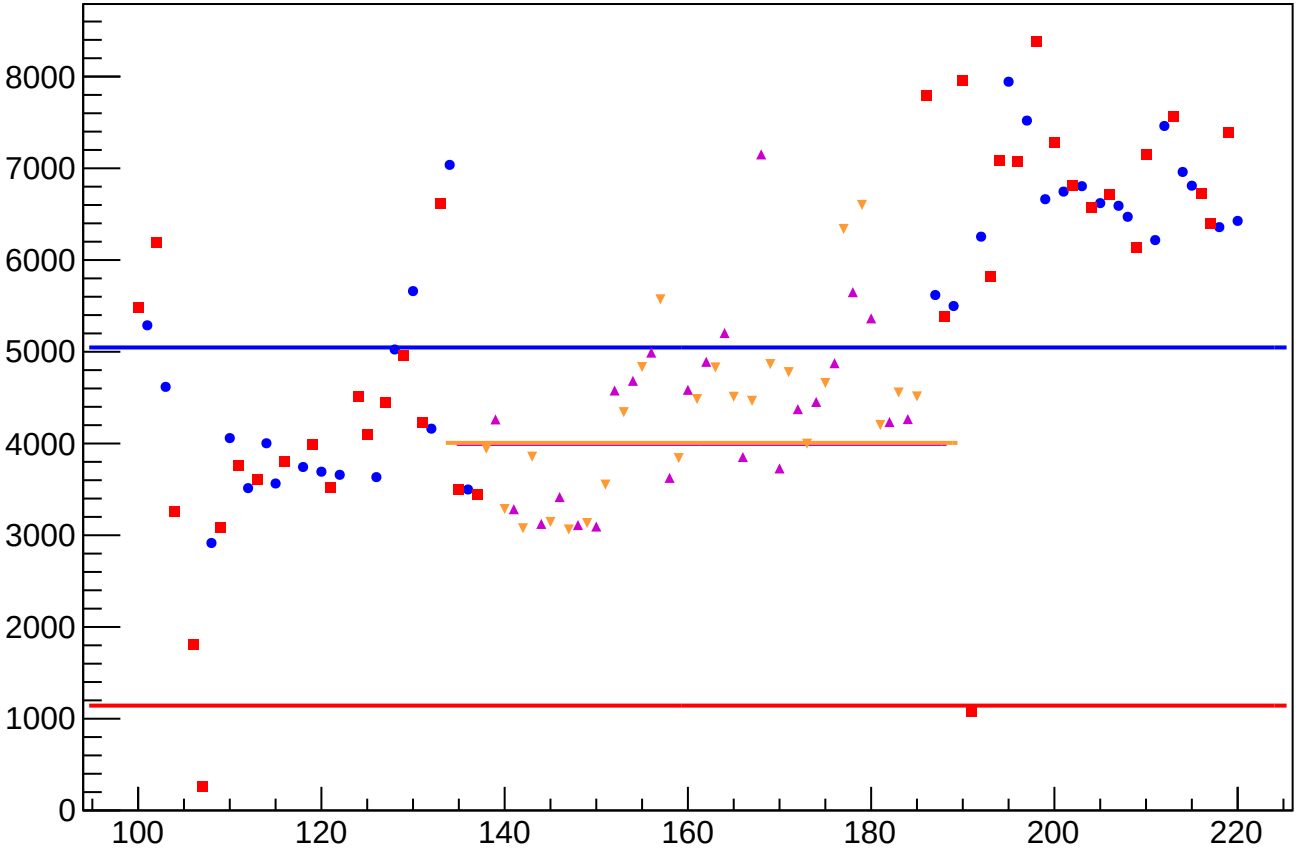
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

\+ sign -247.578+/-725.990 χ^2/NDF: 66.9/57

All: -119.812+/-373.090 χ^2/NDF: 126.6/117

\- sign -73.960+/-434.914 χ^2/NDF: 59.7/59

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 5047.042+/-0.814 χ^2/NDF: 3395347.4/32

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

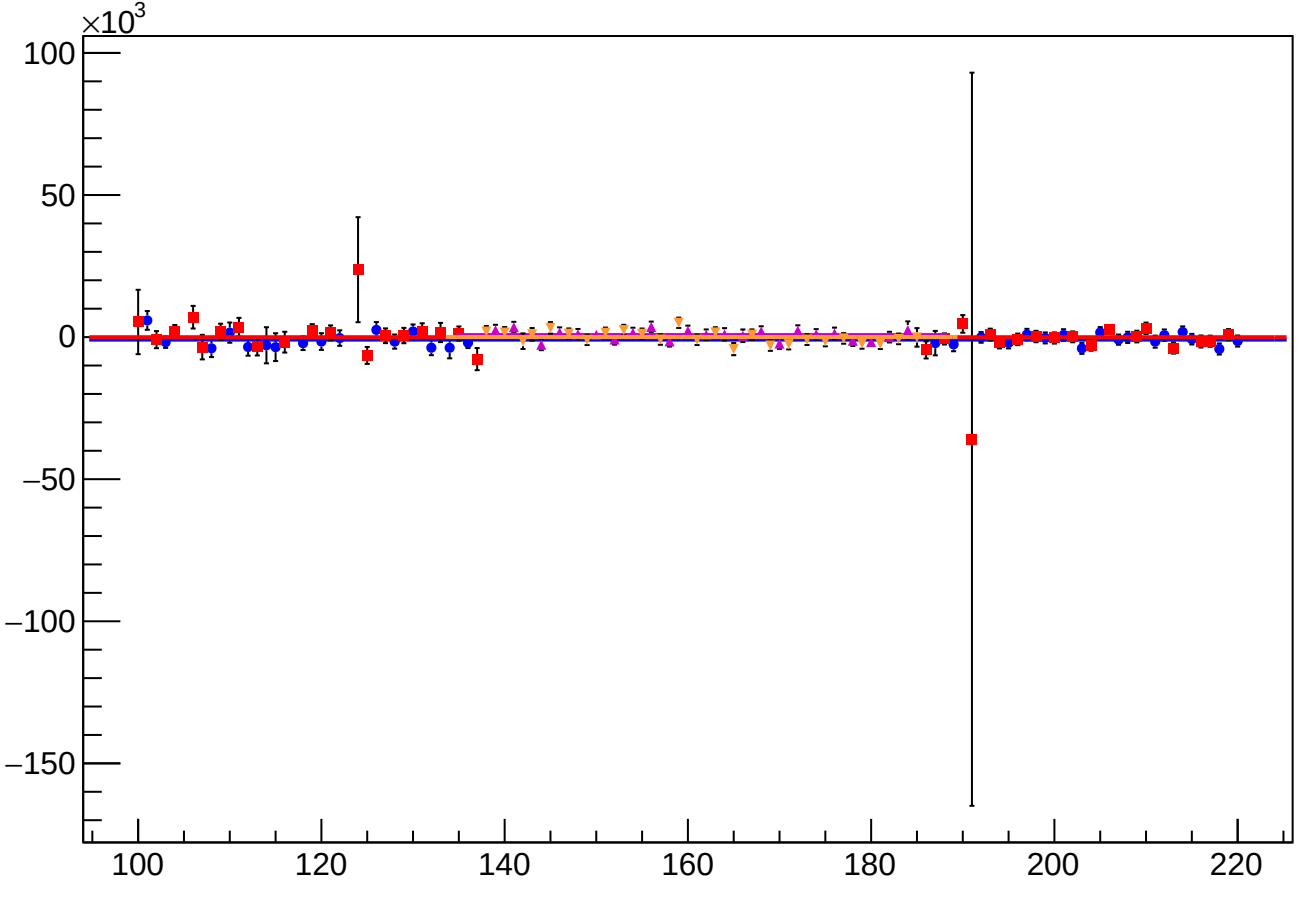
Right Out: 1142.934+/-0.345 χ^2/NDF: 31186320.5/36

Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4420.193+/-0.513 χ^2/NDF: 5881913.6/57

All: 2442.476+/-0.264 χ^2/NDF: 72882767.9/1

- sign 1732.719+/-0.308 χ^2/NDF: 46832186.8/59



Right In: -873.915+/-400.673 χ^2/NDF: 24.8/32

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: -38.567+/-405.116 χ^2/NDF: 39.1/36

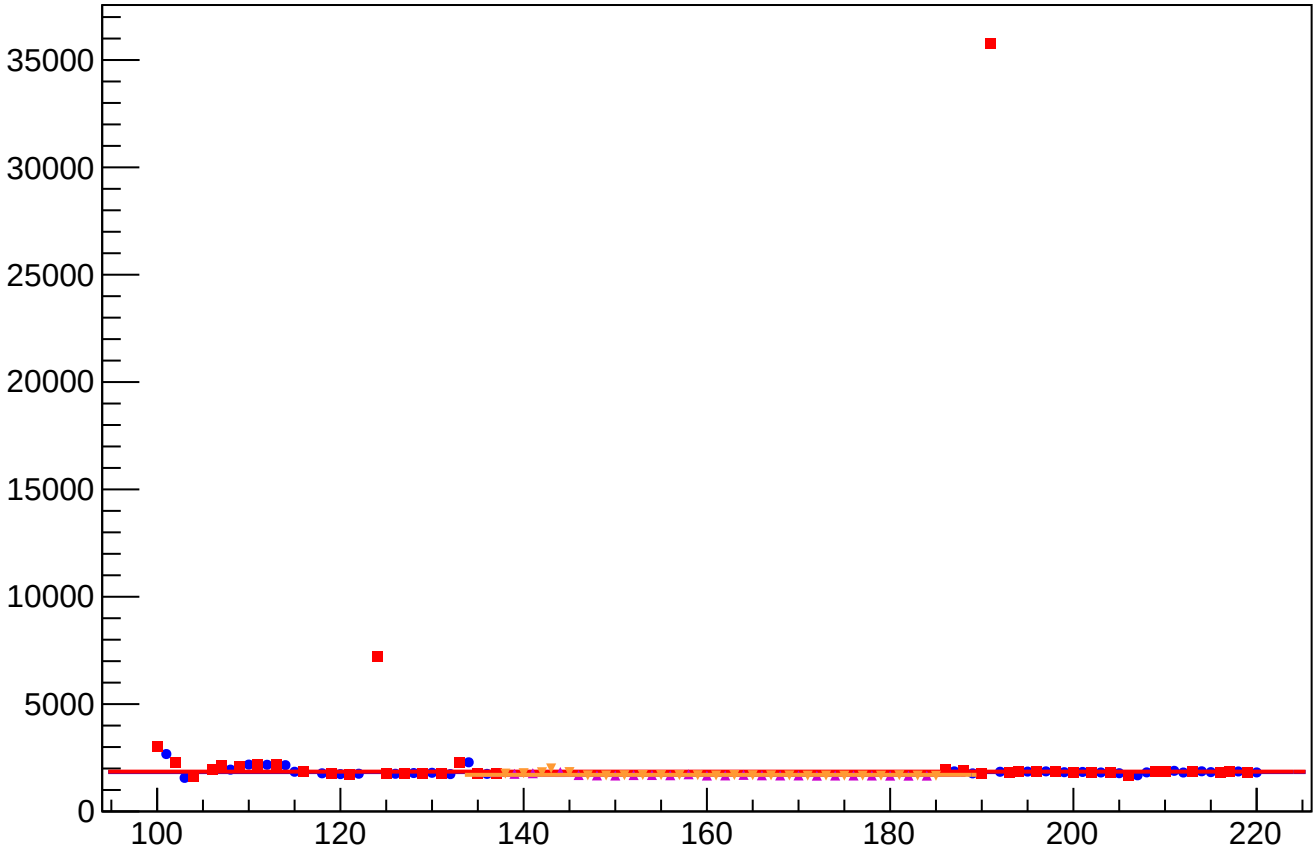
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -410.644+/-278.631 χ^2/NDF: 56.8/57

All: -37.392+/-198.668 χ^2/NDF: 120.4/117

- sign 348.601+/-283.346 χ^2/NDF: 59.9/59

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1833.344+/-0.283 χ^2/NDF: 282128.7/32

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1854.587+/-0.286 χ^2/NDF: 537444.6/36

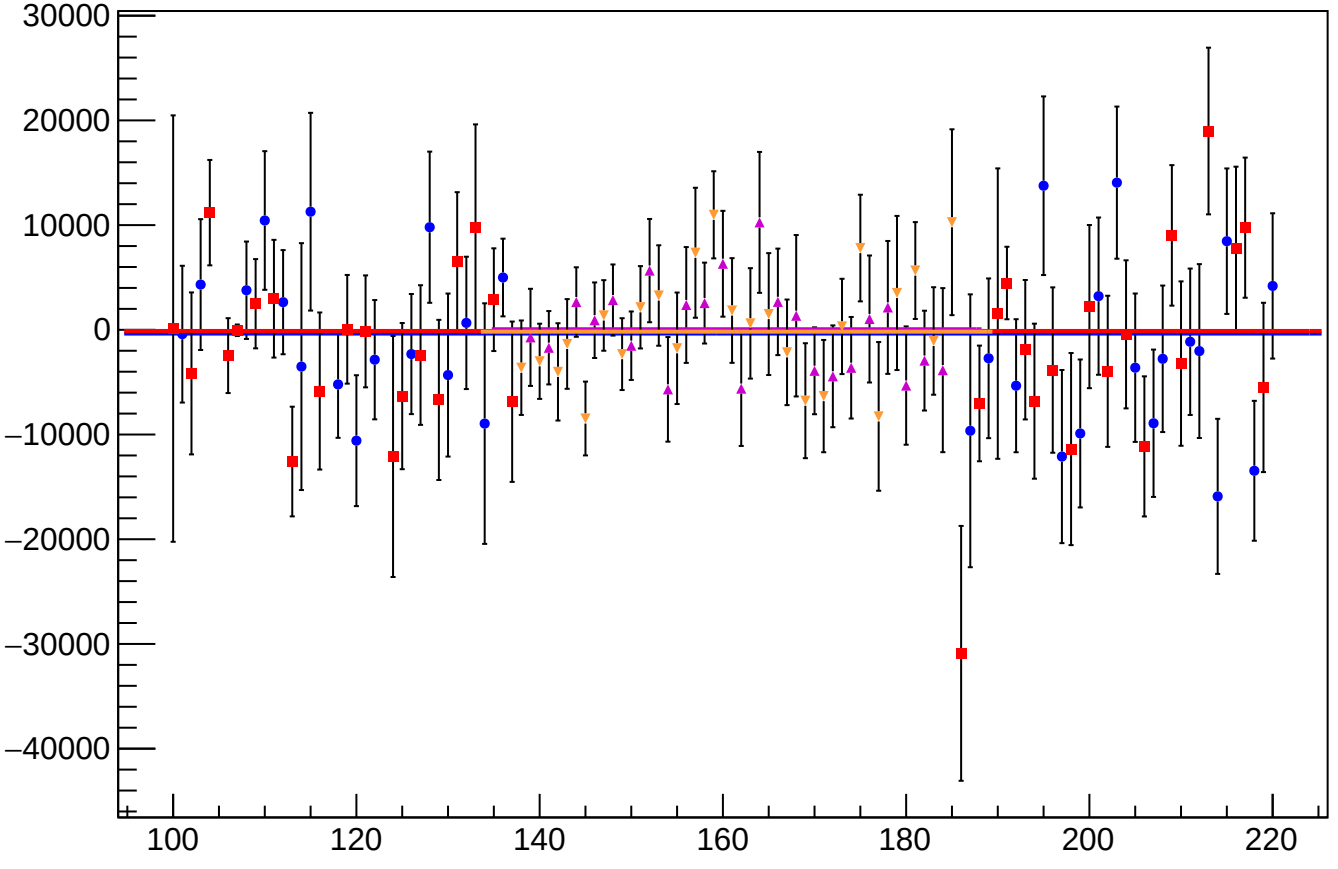
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1767.394+/-0.197 χ^2/NDF: 446985.3/57

All: 1770.843+/-0.140 χ^2/NDF: 1159887.9/11

- sign 1774.407+/-0.200 χ^2/NDF: 712279.6/59

asym_atl1r2_dd_eigen_cor_correction_mean vs Slug



Right In: -356.537+/-1151.799 χ^2/NDF: 38.9/32

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -107.940+/-488.327 χ^2/NDF: 45.4/36

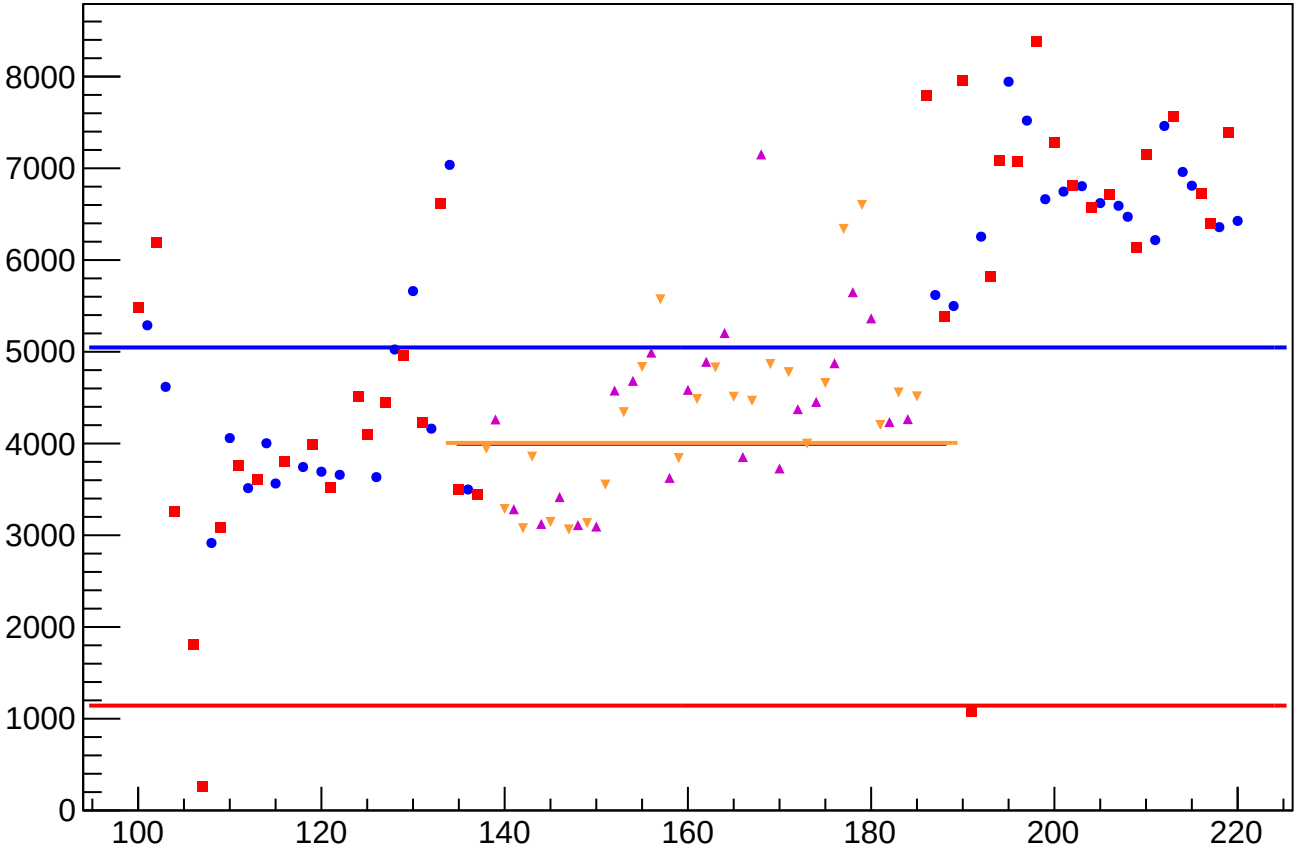
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign -247.578+/-725.990 χ^2/NDF: 66.9/57

All: -119.812+/-373.090 χ^2/NDF: 126.6/117

- sign -73.960+/-434.914 χ^2/NDF: 59.7/59

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 5047.042+/-0.814 χ^2/NDF: 3395347.4/32

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 1142.934+/-0.345 χ^2/NDF: 31186320.5/36

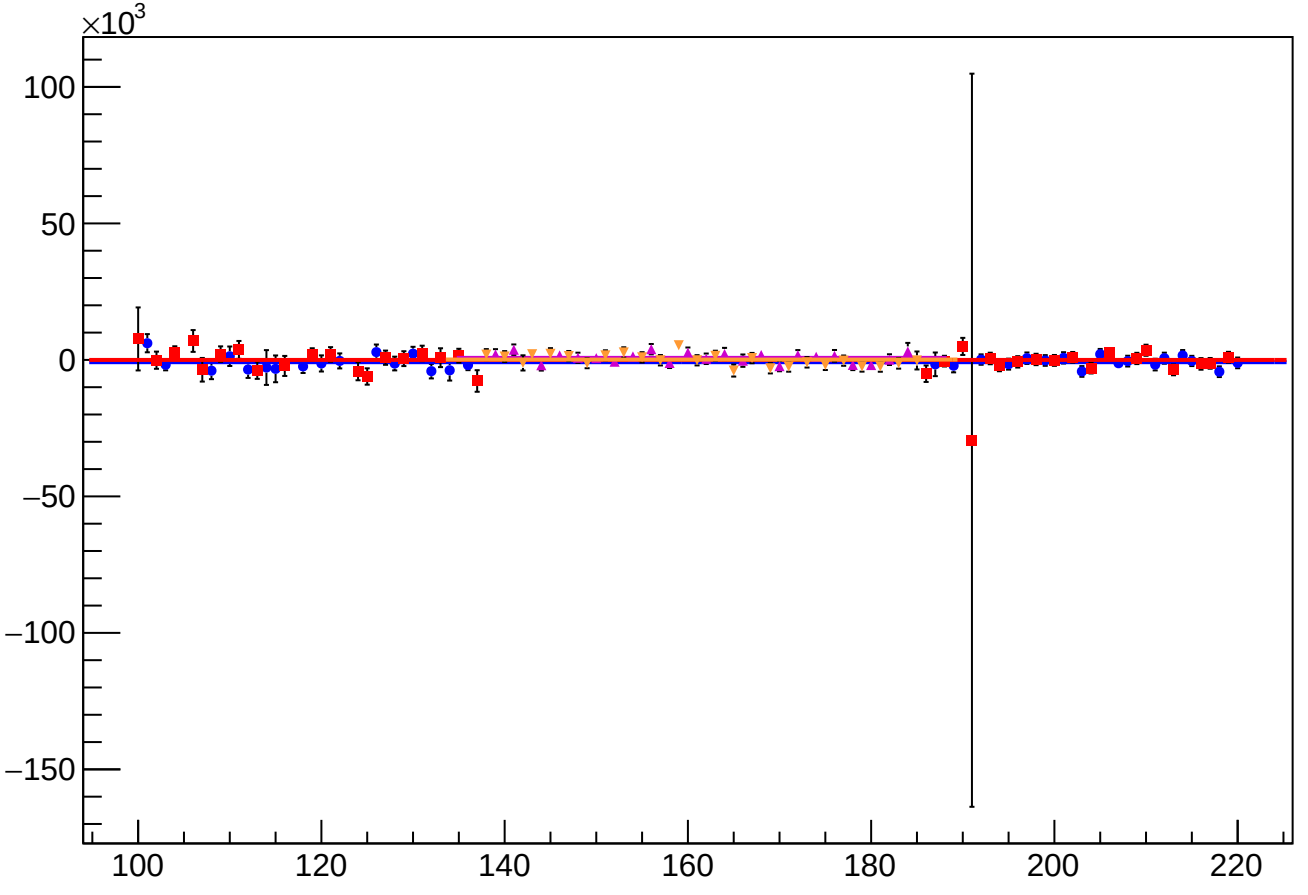
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4420.193+/-0.513 χ^2/NDF: 5881913.6/57

All: 2442.476+/-0.264 χ^2/NDF: 72882767.9/1

- sign 1732.719+/-0.308 χ^2/NDF: 46832186.8/59

dit_asym_atl1r2_dd_mean vs Slug



Right In: -835.573+/-404.356 χ^2/NDF: 26.0/32

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: -11.621+/-406.717 χ^2/NDF: 40.5/36

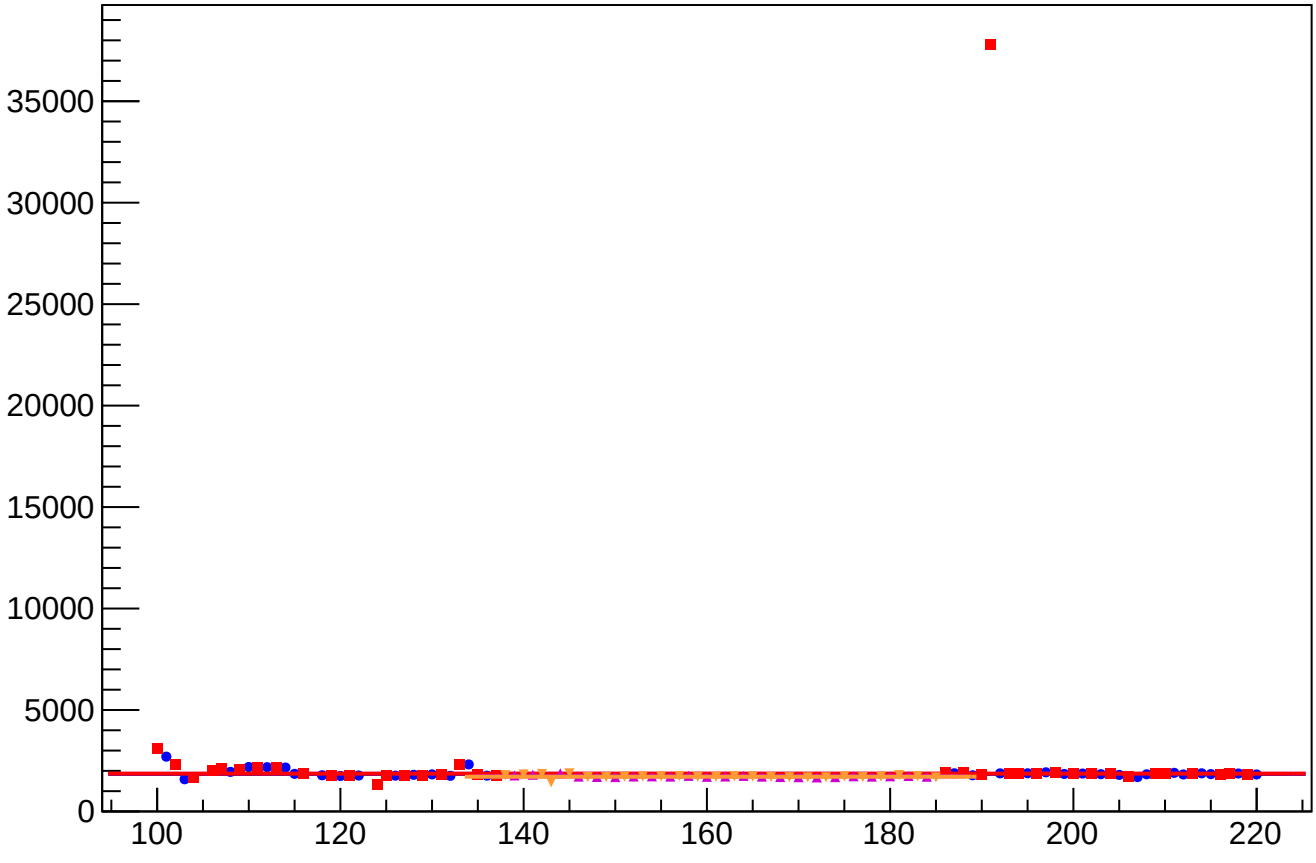
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -339.880+/-280.507 χ^2/NDF: 58.6/57

All: 5.940+/-200.497 χ^2/NDF: 122.9/117

- sign 367.158+/-286.684 χ^2/NDF: 61.2/59

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1850.032+/-0.286 χ^2/NDF: 281742.2/32

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1863.247+/-0.288 χ^2/NDF: 431906.0/36

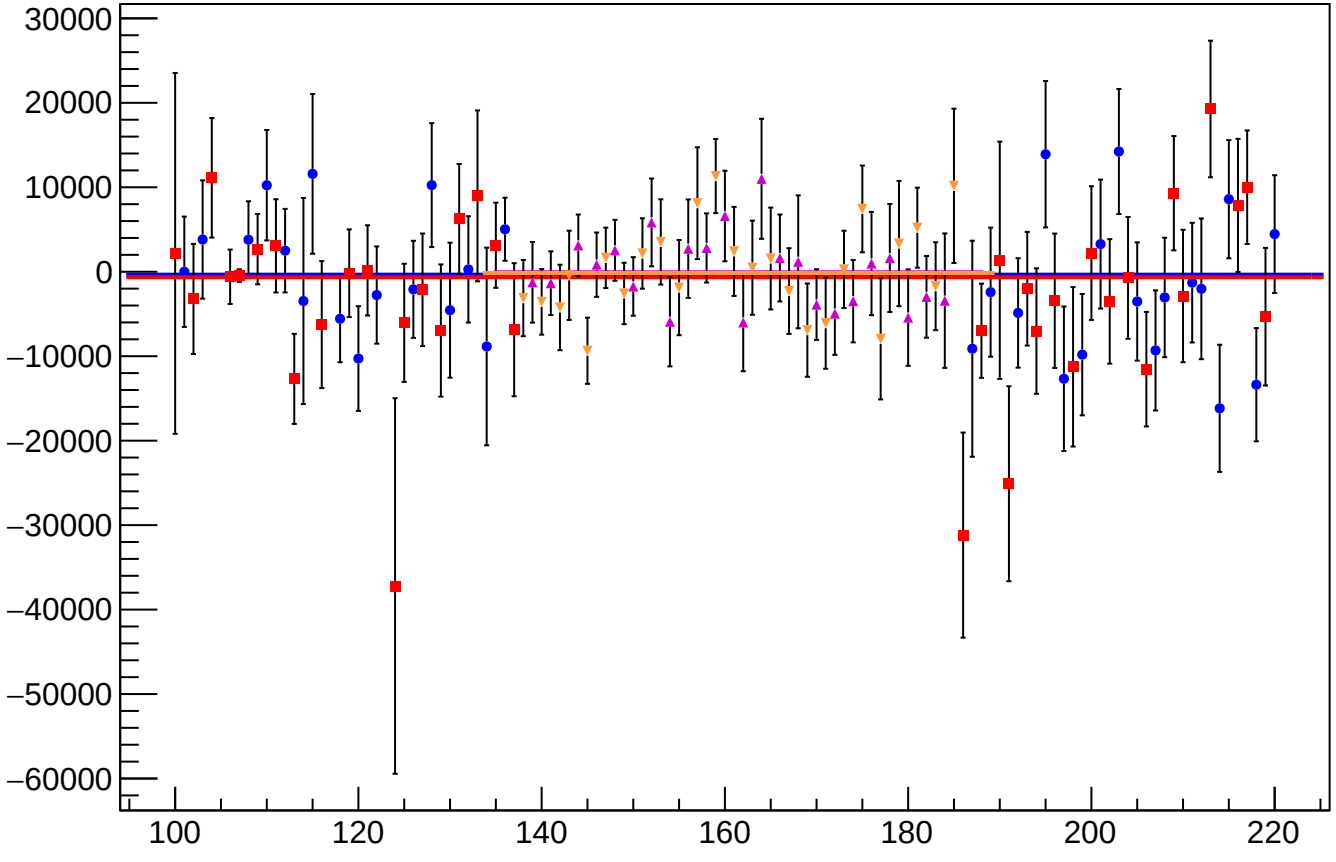
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1778.587+/-0.198 χ^2/NDF: 496500.3/57

All: 1787.298+/-0.142 χ^2/NDF: 1062910.2/11

- sign 1796.394+/-0.203 χ^2/NDF: 562467.3/59

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: -344.146+/-1161.259 χ^2/NDF: 38.6/32

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -645.306+/-619.350 χ^2/NDF: 46.5/36

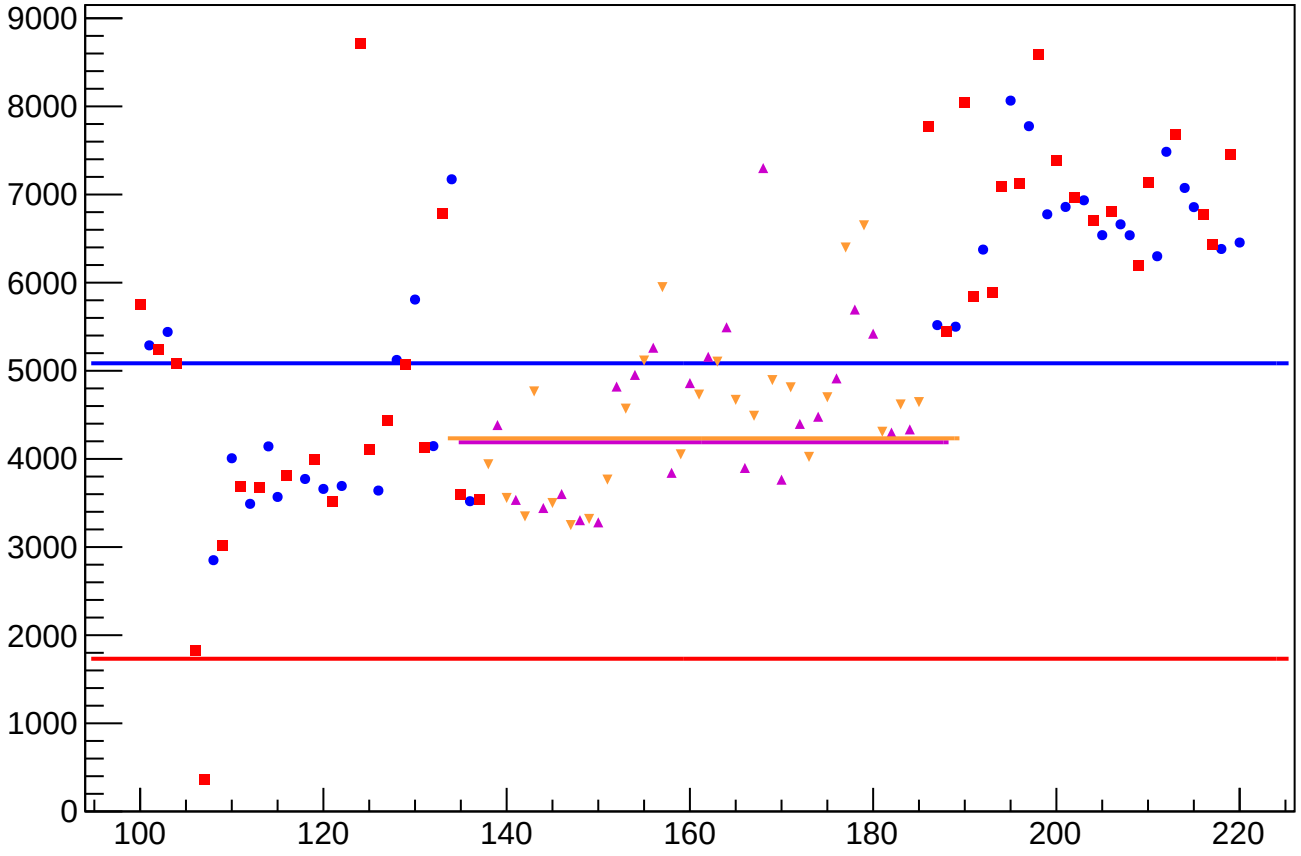
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign -231.332+/-751.164 χ^2/NDF: 65.5/57

All: -401.080+/-431.171 χ^2/NDF: 126.3/117

- sign -484.491+/-526.556 χ^2/NDF: 60.7/59

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 5085.087+/-0.821 χ^2/NDF: 3550112.0/32

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

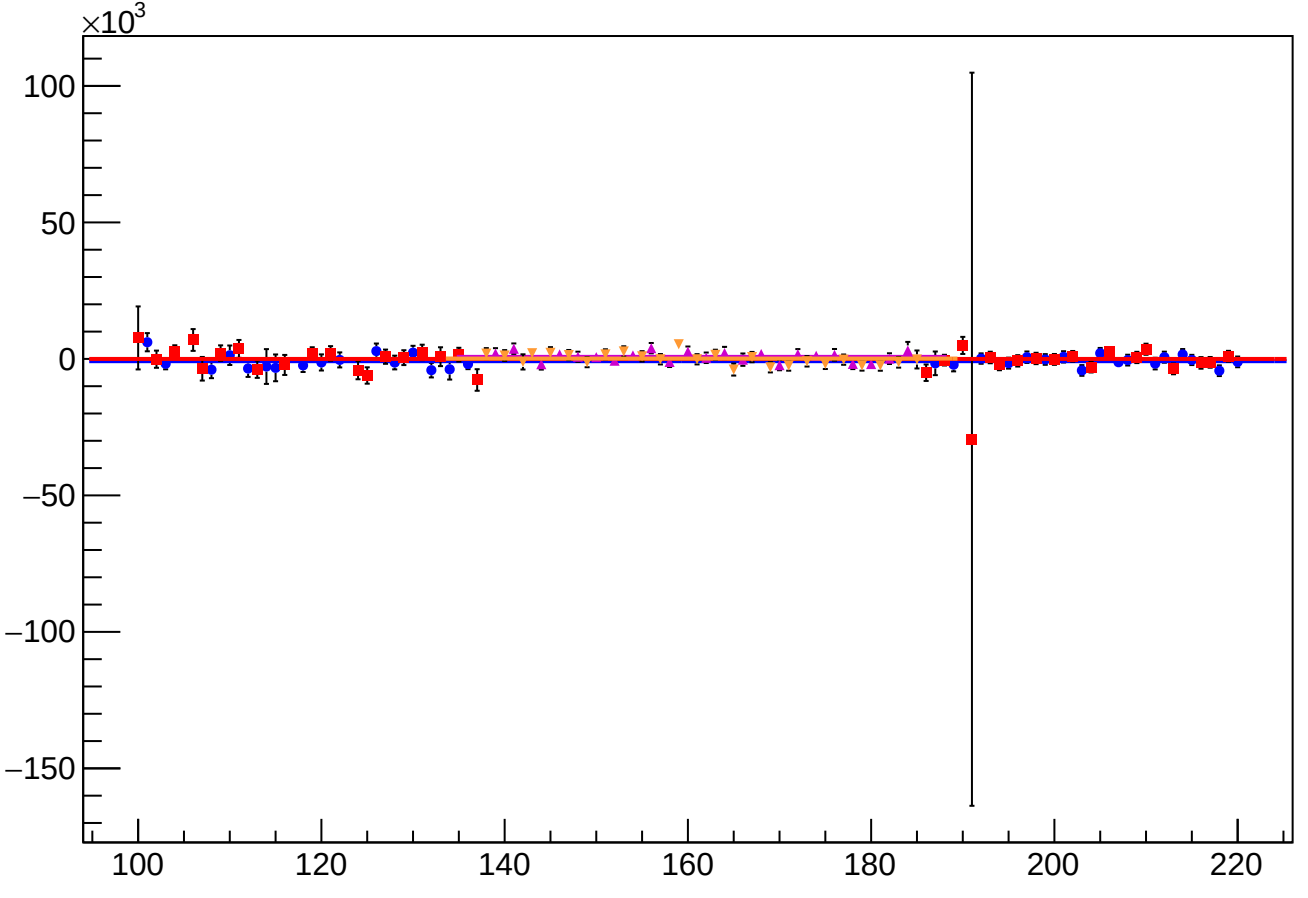
Right Out: 1732.683+/-0.438 χ^2/NDF: 27145805.5/36

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4590.056+/-0.531 χ^2/NDF: 5459819.5/57

All: 3130.664+/-0.305 χ^2/NDF: 53928309.9/1

- sign 2413.544+/-0.372 χ^2/NDF: 37209650.4/59



Right In: -835.569+/-404.356 χ^2/NDF: 26.0/32

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: -11.620+/-406.717 χ^2/NDF: 40.5/36

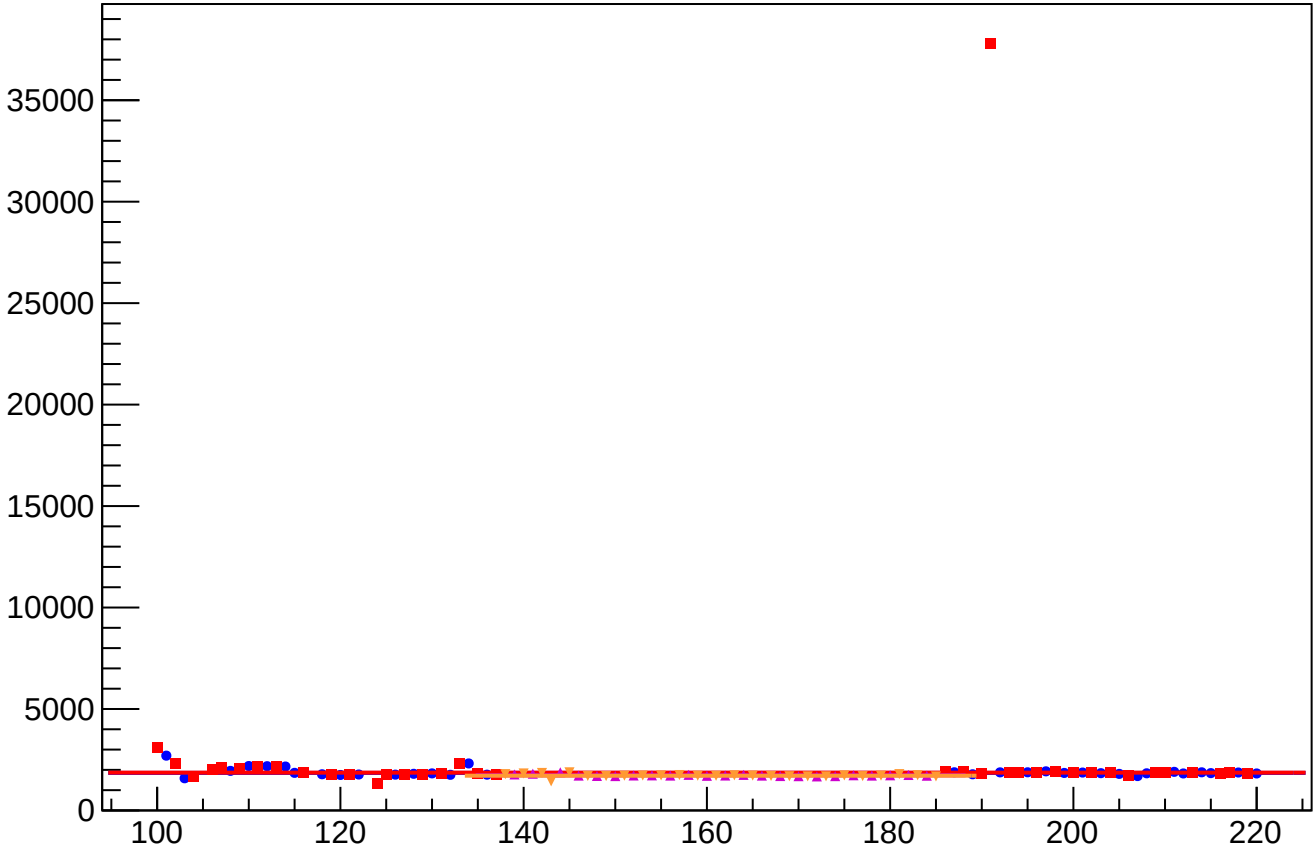
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -339.877+/-280.507 χ^2/NDF: 58.6/57

All: 5.942+/-200.497 χ^2/NDF: 122.9/117

- sign 367.158+/-286.684 χ^2/NDF: 61.2/59

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1850.032+/-0.286 χ^2/NDF: 281742.1/32

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

Right Out: 1863.247+/-0.288 χ^2/NDF: 431906.2/36

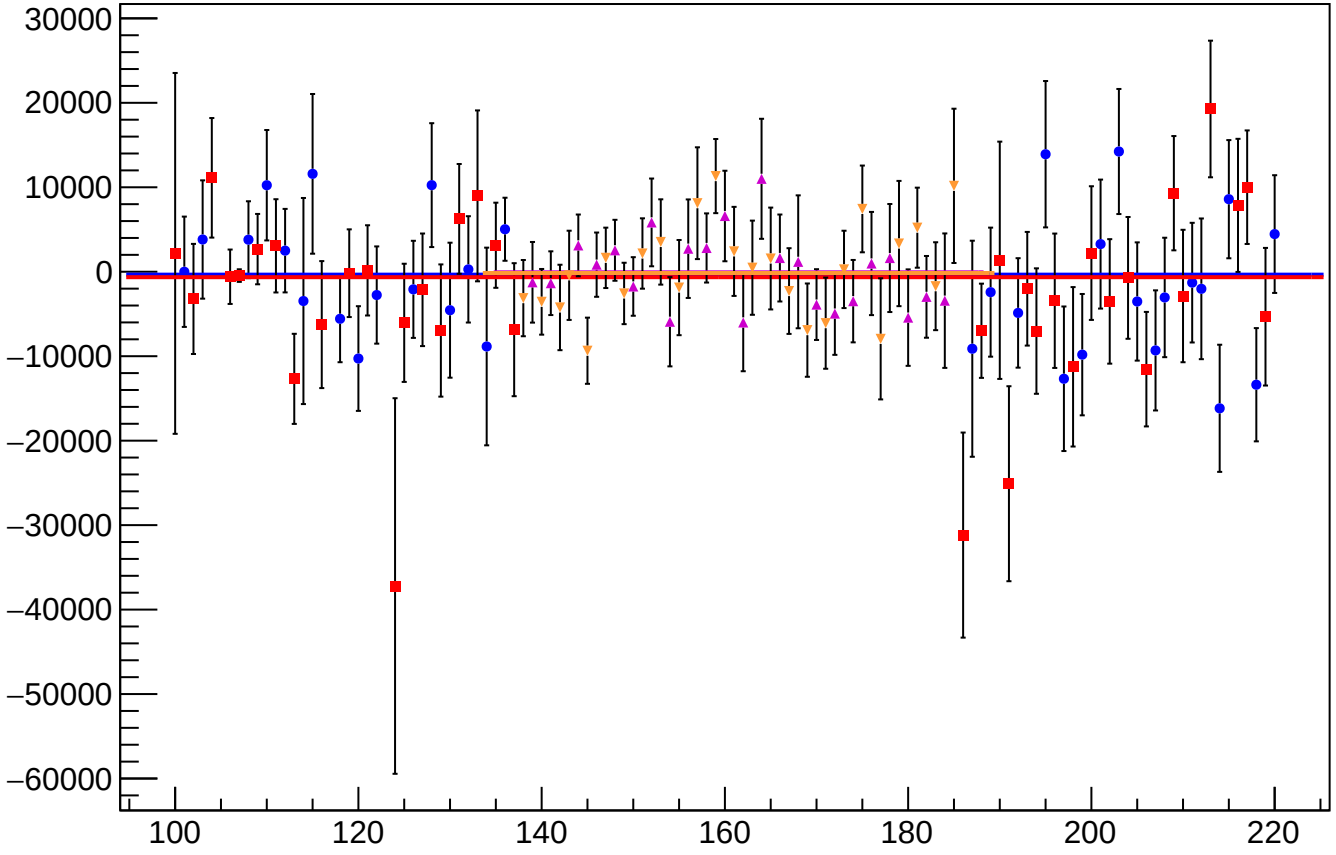
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1778.587+/-0.198 χ^2/NDF: 496498.2/57

All: 1787.298+/-0.142 χ^2/NDF: 1062907.6/11

- sign 1796.394+/-0.203 χ^2/NDF: 562466.8/59

asym_atl1r2_dd_eigen_dit_correction_mean vs Slug



Right In: -344.154+/-1161.258 χ^2/NDF: 38.6/32

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -645.316+/-619.359 χ^2/NDF: 46.5/36

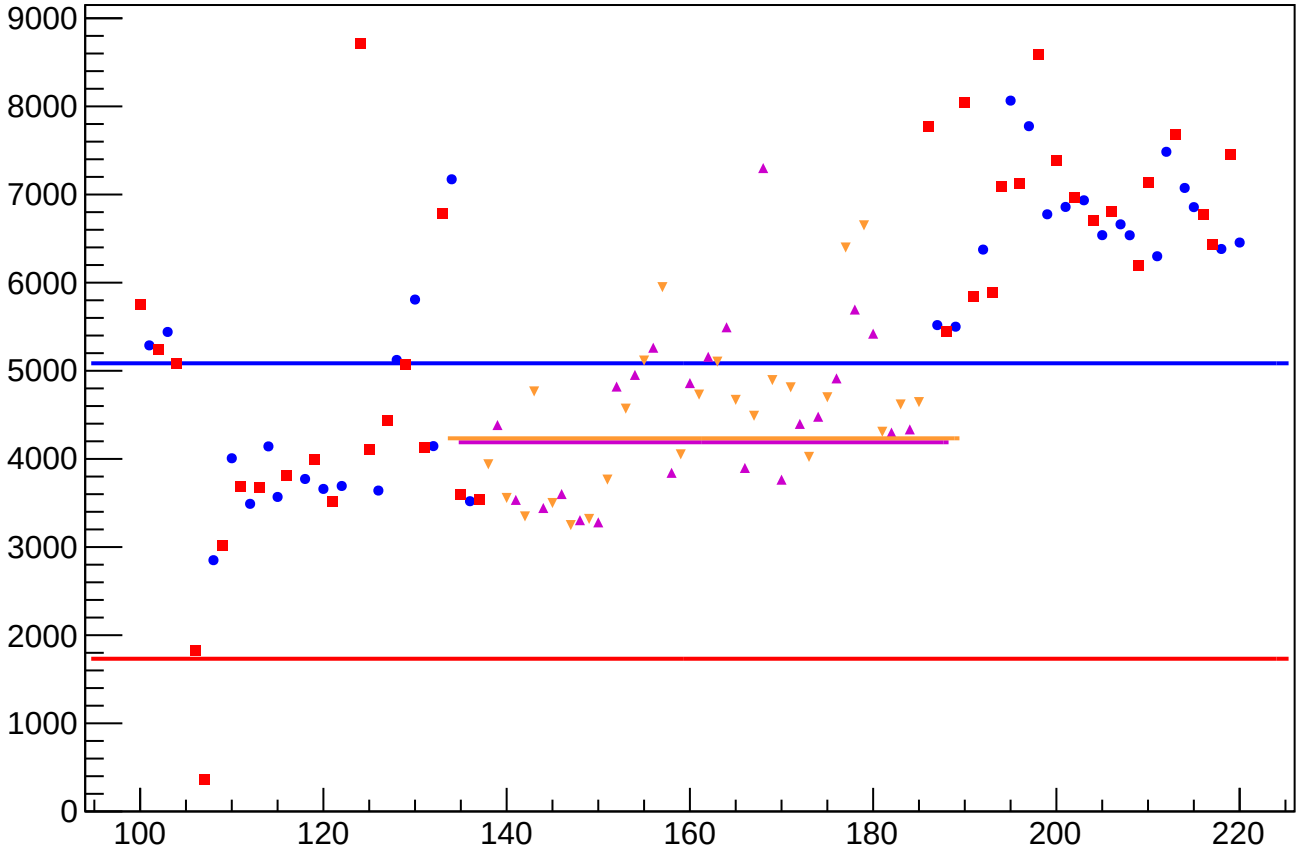
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign -231.336+/-751.164 χ^2/NDF: 65.5/57

All: -401.083+/-431.175 χ^2/NDF: 126.3/117

- sign -484.496+/-526.562 χ^2/NDF: 60.7/59

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 5085.083+/-0.821 χ^2/NDF: 3550138.0/32

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1732.728+/-0.438 χ^2/NDF: 27145437.3/36

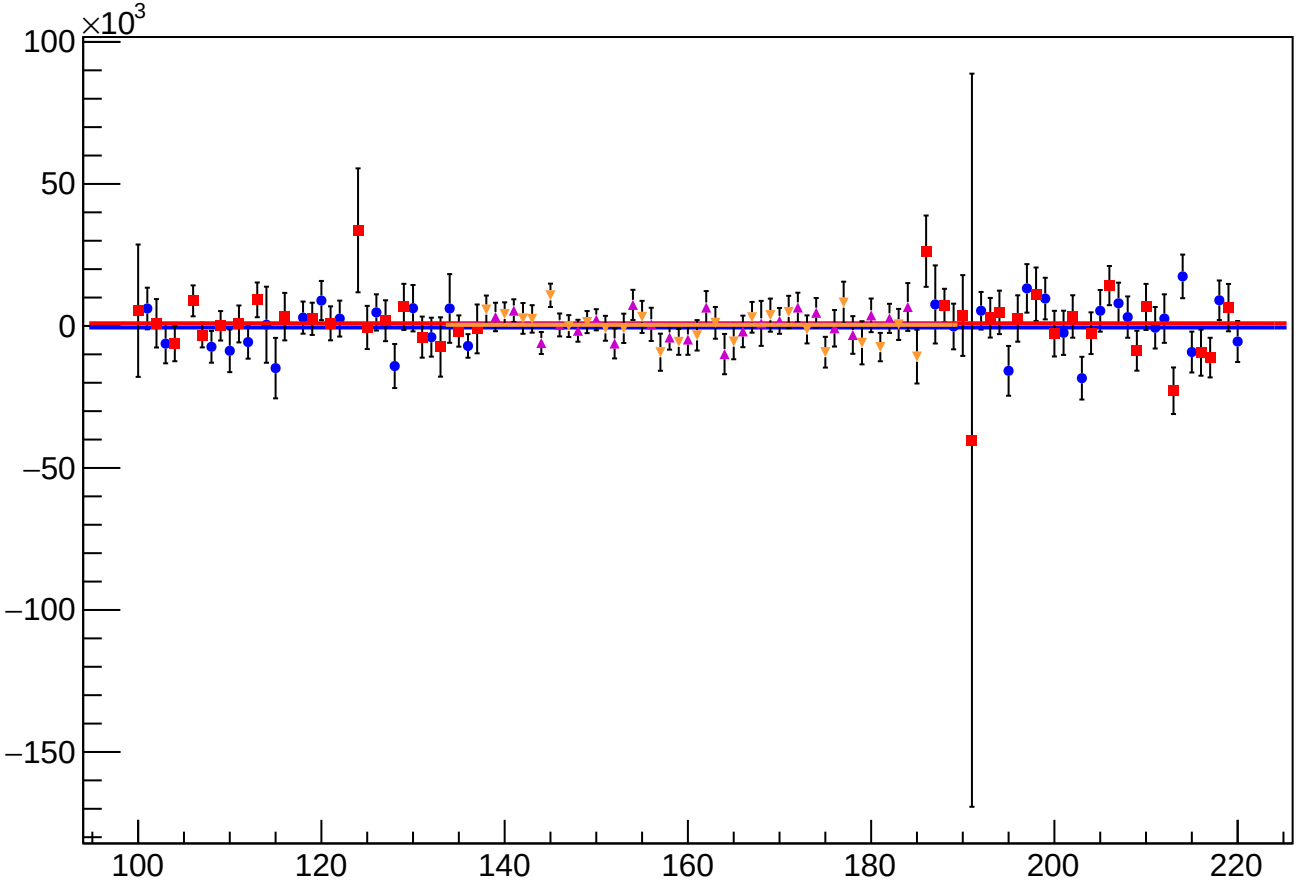
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4590.058+/-0.531 χ^2/NDF: 5459832.9/57

All: 3130.707+/-0.305 χ^2/NDF: 53927028.4/1

- sign 2413.592+/-0.372 χ^2/NDF: 37208914.8/59

asym_atl1r2_dd_mean vs Slug



Right In: -541.662+/-1249.631 χ^2/NDF: 42.8/32

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 946.487+/-1199.098 χ^2/NDF: 37.6/36

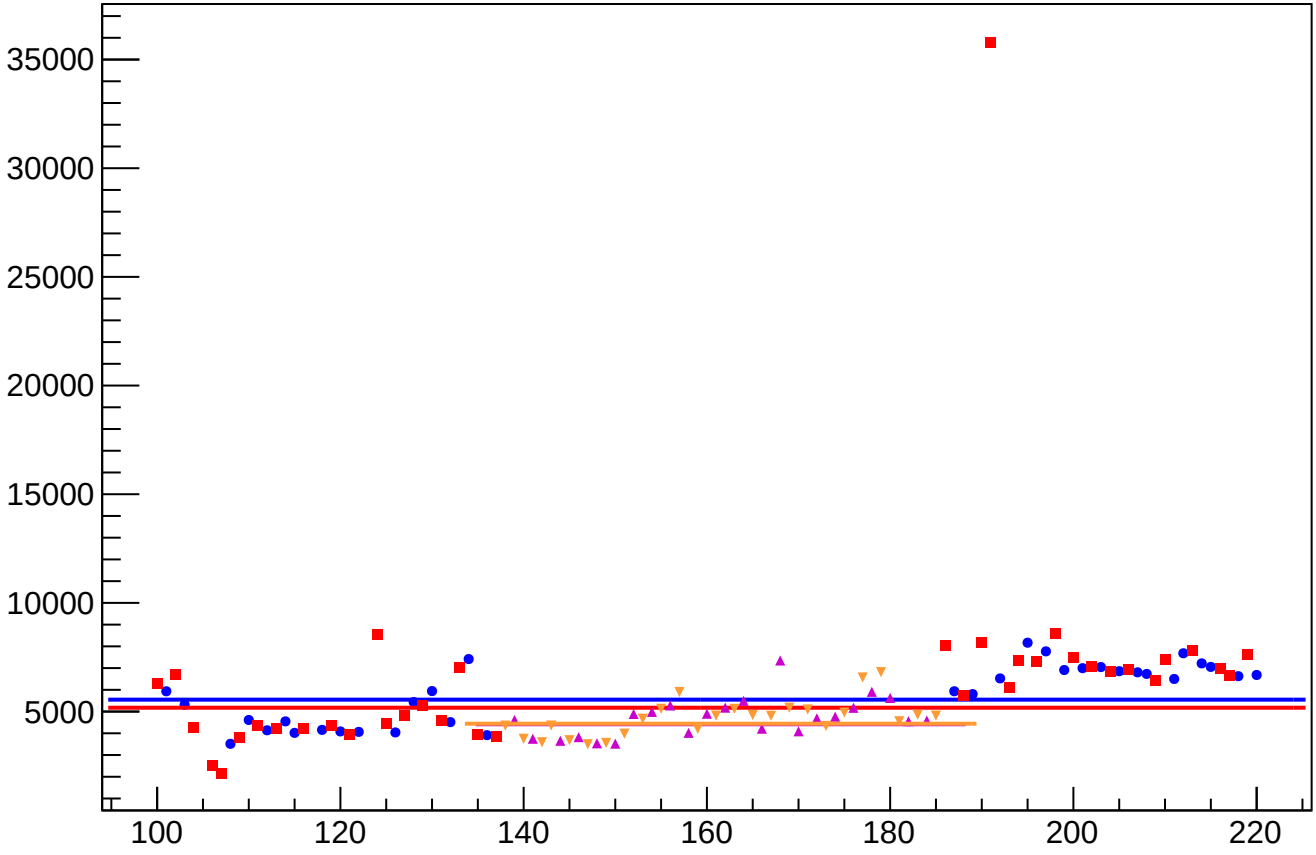
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

\+ sign 18.758+/-794.088 χ^2/NDF: 67.9/57

All: 358.908+/-559.987 χ^2/NDF: 123.3/117

\- sign 695.406+/-789.812 χ^2/NDF: 55.0/59

asym_atl1r2_dd_rms vs Slug



Right In: 5547.959+/-0.884 χ^2/NDF: 2505843.1/32

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

Right Out: 5176.324+/-0.843 χ^2/NDF: 4579174.2/36

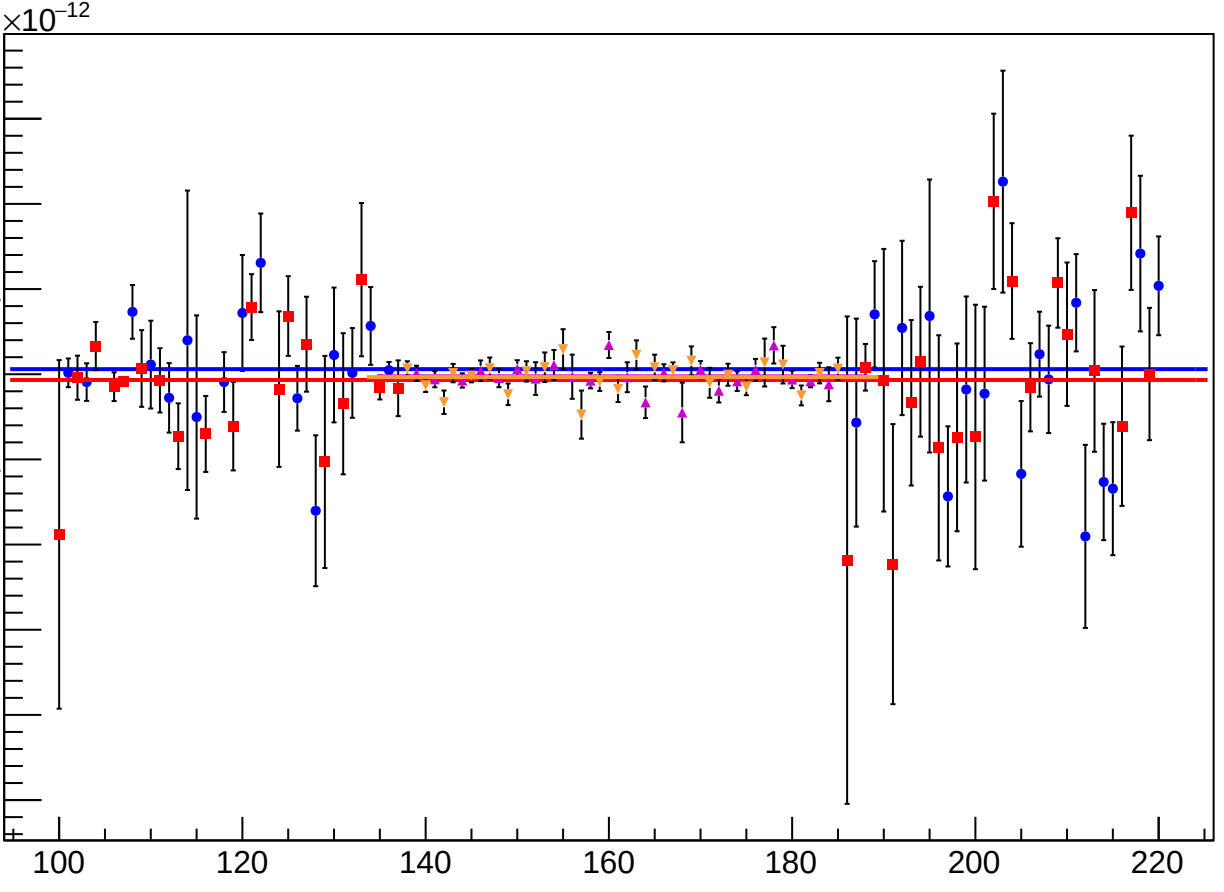
Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

+ sign 4887.884+/-0.562 χ^2/NDF: 4514940.7/57

All: 4817.259+/-0.395 χ^2/NDF: 10696032.7/1

- sign 4747.757+/-0.557 χ^2/NDF: 6149703.1/59

asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 44.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

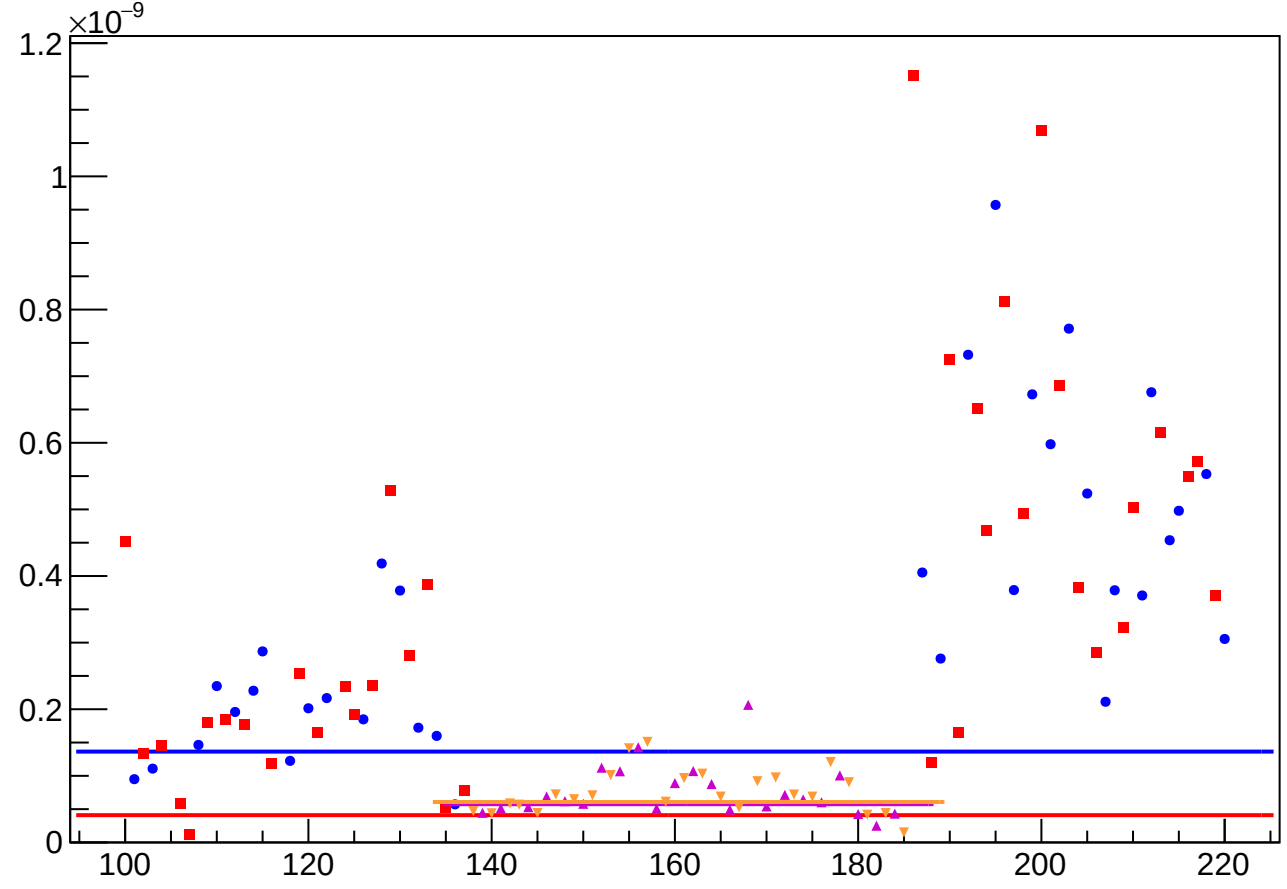
Right Out: -0.000+/-0.000 χ^2/NDF: 41.1/36

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 75.2/57

All: -0.000+/-0.000 χ^2/NDF: 137.0/117

- sign -0.000+/-0.000 χ^2/NDF: 61.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 8125069.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13918385.7/36

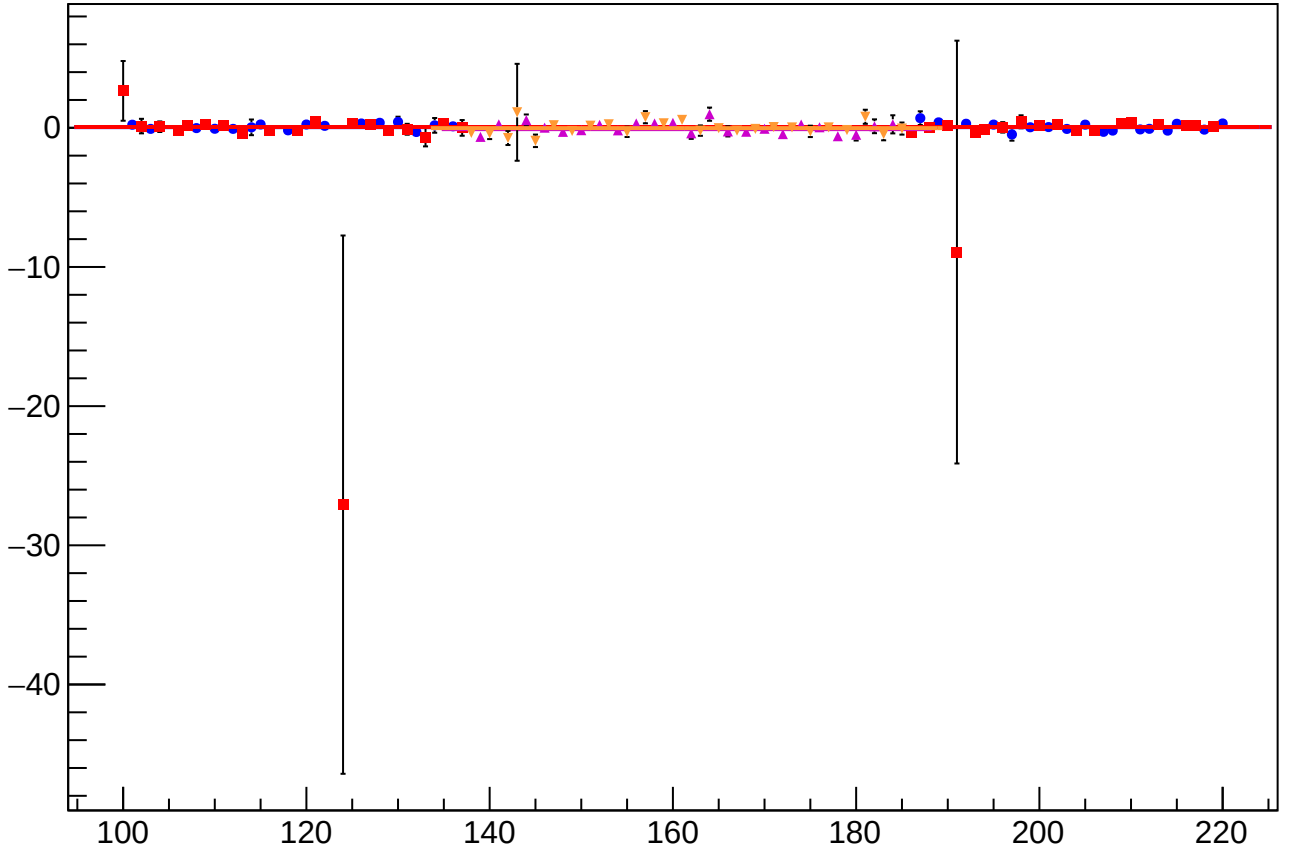
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12278414.4/57

All: 0.000+/-0.000 χ^2/NDF: 29194083.1/117

- sign 0.000+/-0.000 χ^2/NDF: 16122176.4/59

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.041 χ^2/NDF: 29.5/32

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.058+/-0.039 χ^2/NDF: 37.6/36

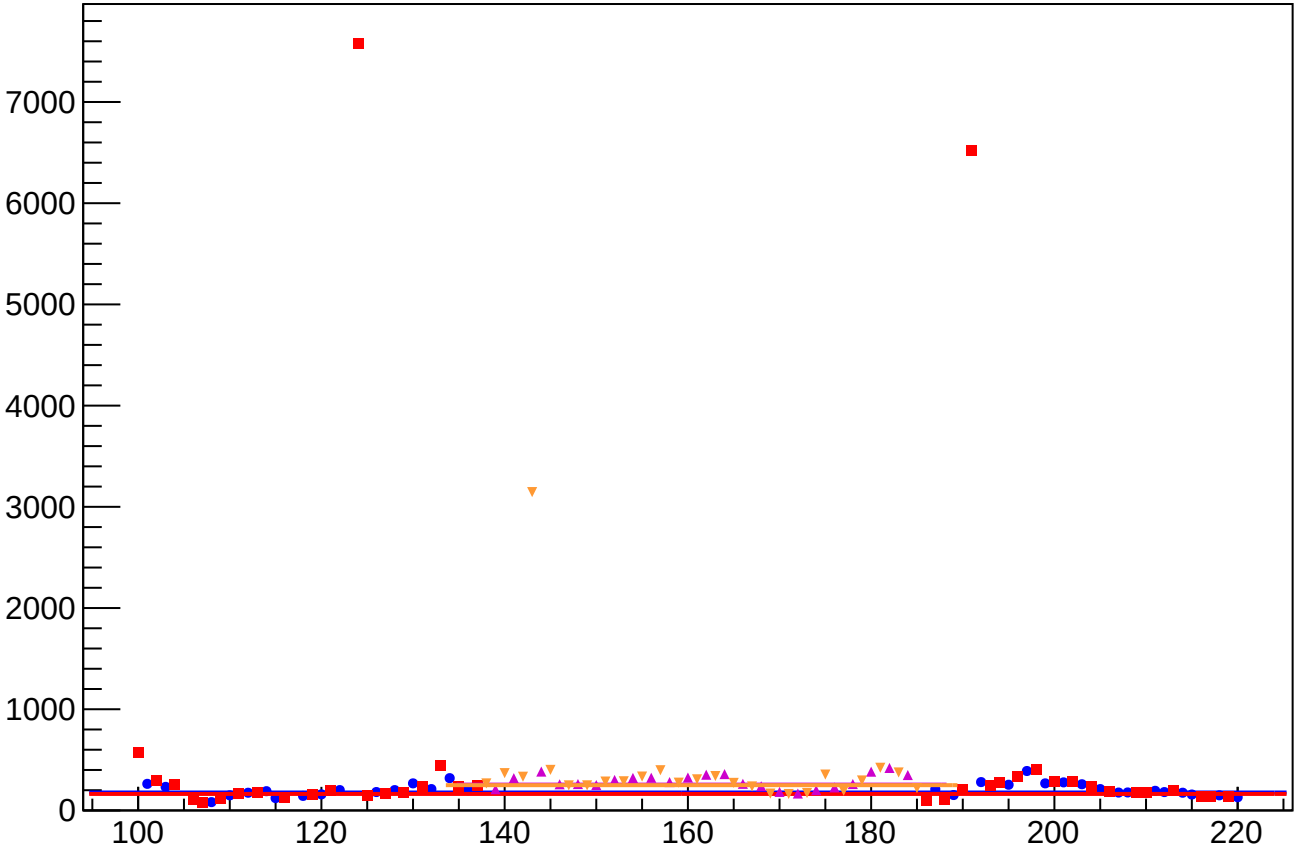
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.025+/-0.034 χ^2/NDF: 54.0/57

All: 0.020+/-0.024 χ^2/NDF: 127.4/117

- sign 0.015+/-0.033 χ^2/NDF: 73.4/59

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 177.419+/-0.029 χ^2/NDF: 3355683.4/32

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

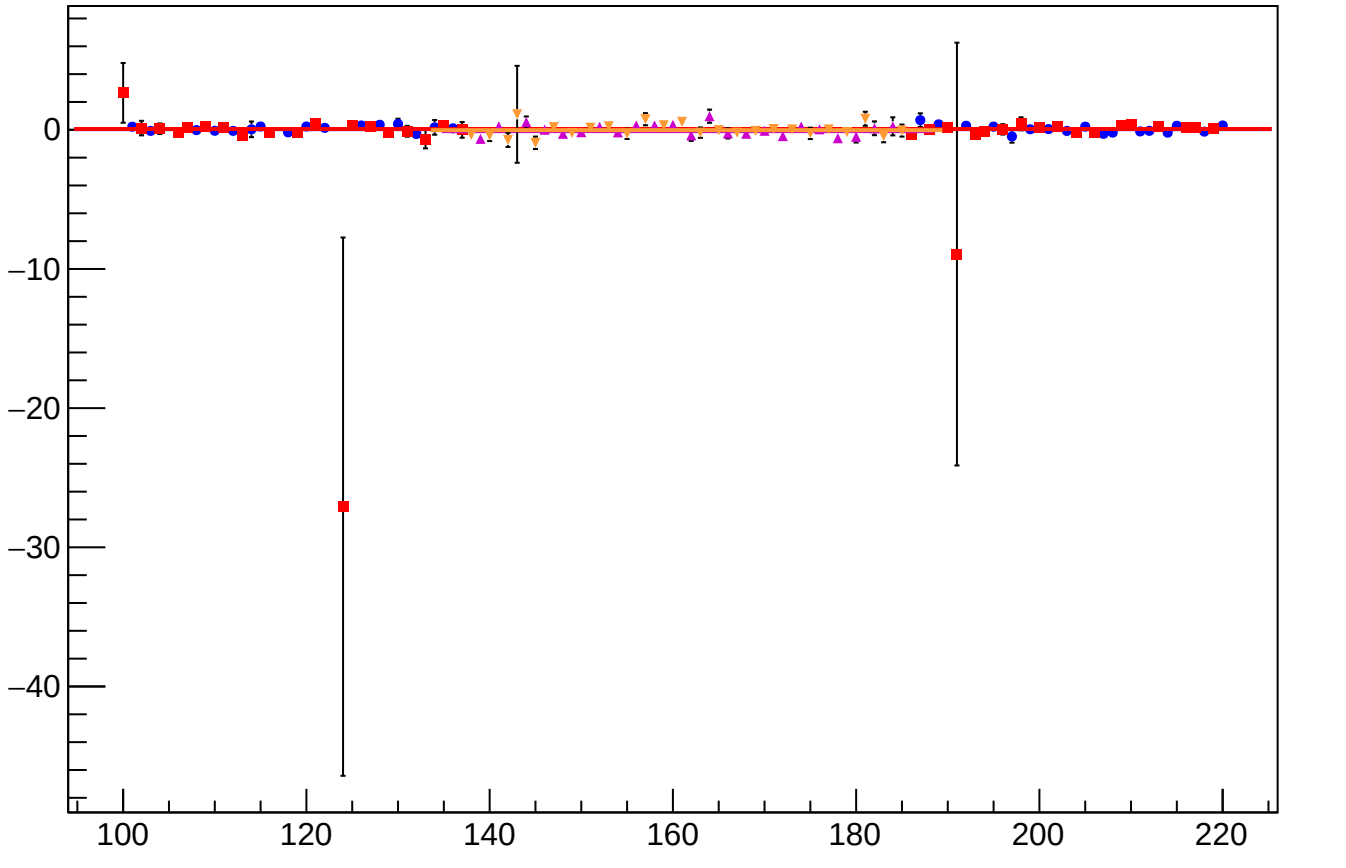
Right Out: 163.215+/-0.028 χ^2/NDF: 5503727.4/36

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 199.832+/-0.024 χ^2/NDF: 9498393.4/57

All: 194.185+/-0.017 χ^2/NDF: 20301397.3/11

- sign 188.870+/-0.024 χ^2/NDF: 10697621.4/59



Right In: 0.048+/-0.041 χ^2/NDF: 29.5/32

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.058+/-0.039 χ^2/NDF: 37.6/36

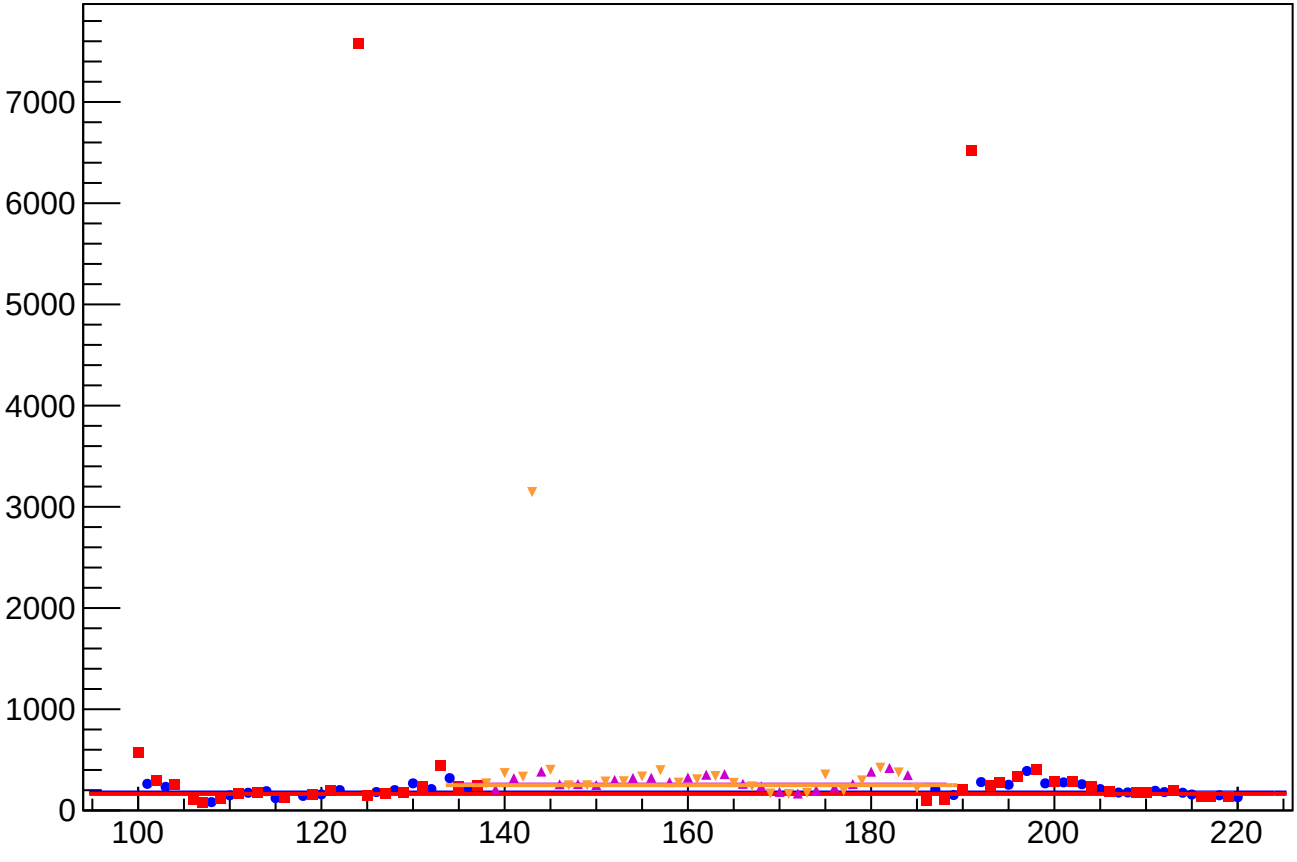
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.025+/-0.034 χ^2/NDF: 54.0/57

All: 0.020+/-0.024 χ^2/NDF: 127.4/117

- sign 0.015+/-0.033 χ^2/NDF: 73.4/59

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 177.419+/-0.029 χ^2/NDF: 3355683.4/32

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

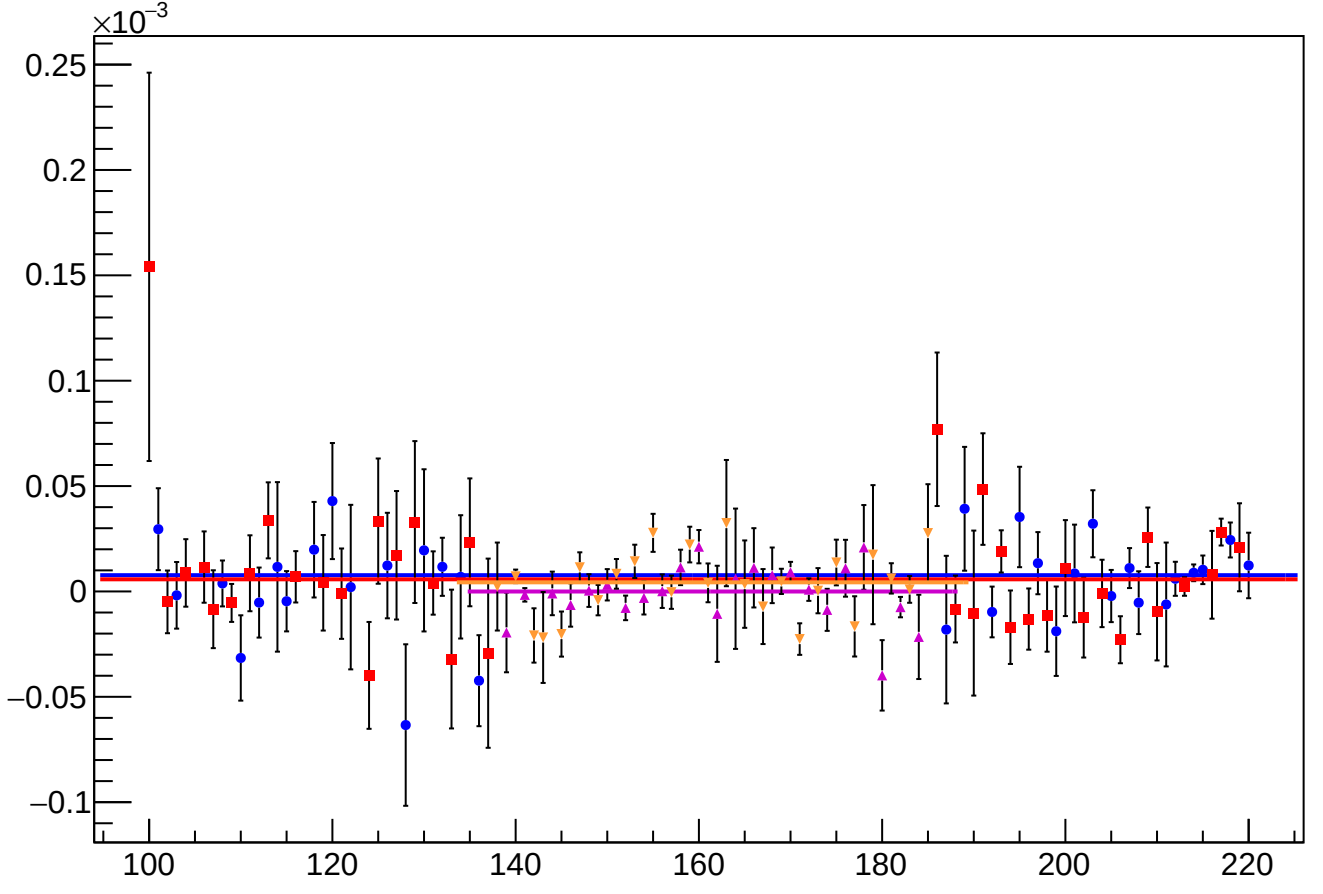
Right Out: 163.215+/-0.028 χ^2/NDF: 5503727.4/36

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 199.832+/-0.024 χ^2/NDF: 9498393.4/57

All: 194.185+/-0.017 χ^2/NDF: 20301397.3/11

- sign 188.870+/-0.024 χ^2/NDF: 10697621.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 33.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 52.3/36

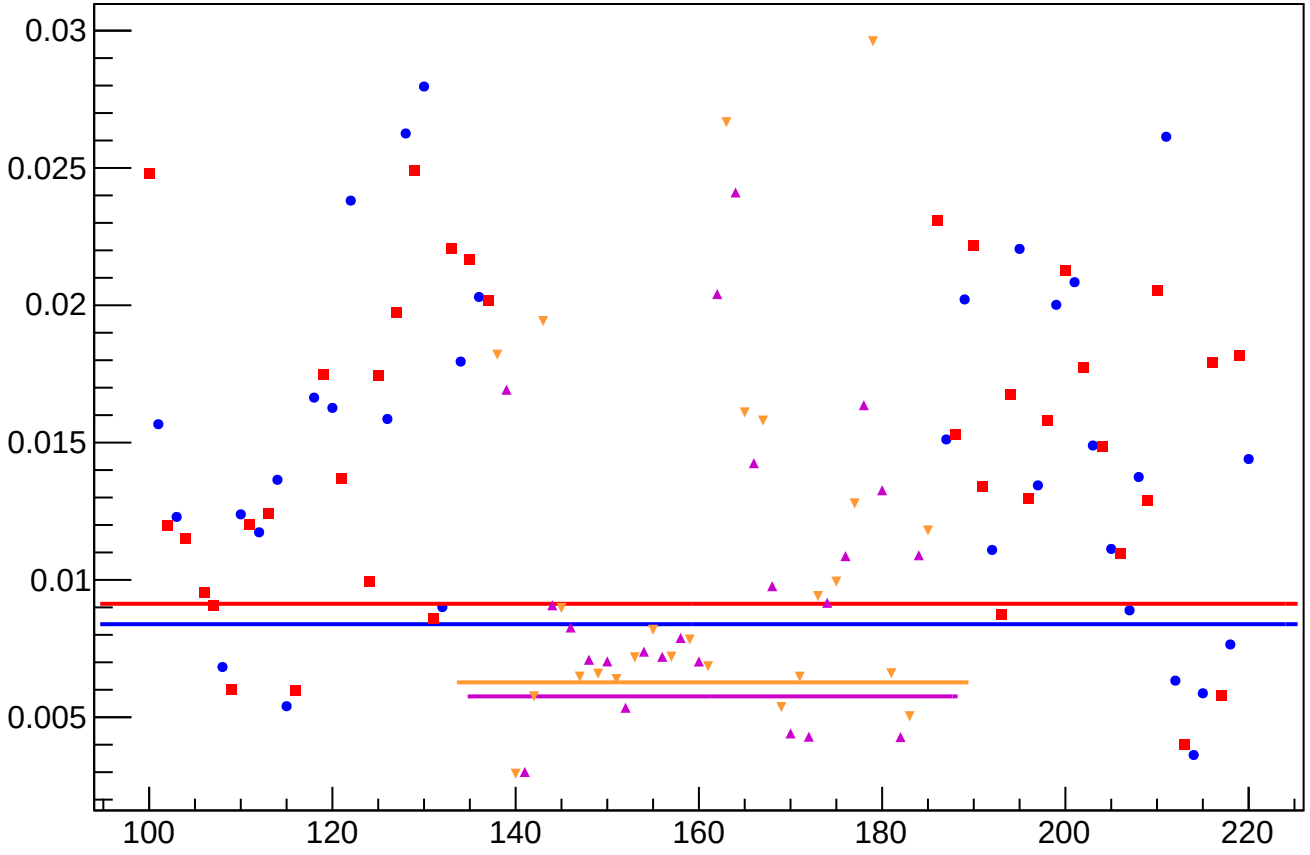
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 80.8/57

All: 0.000+/-0.000 χ^2/NDF: 170.4/117

- sign 0.000+/-0.000 χ^2/NDF: 85.6/59

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 11017654.4/32

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10187517.1/36

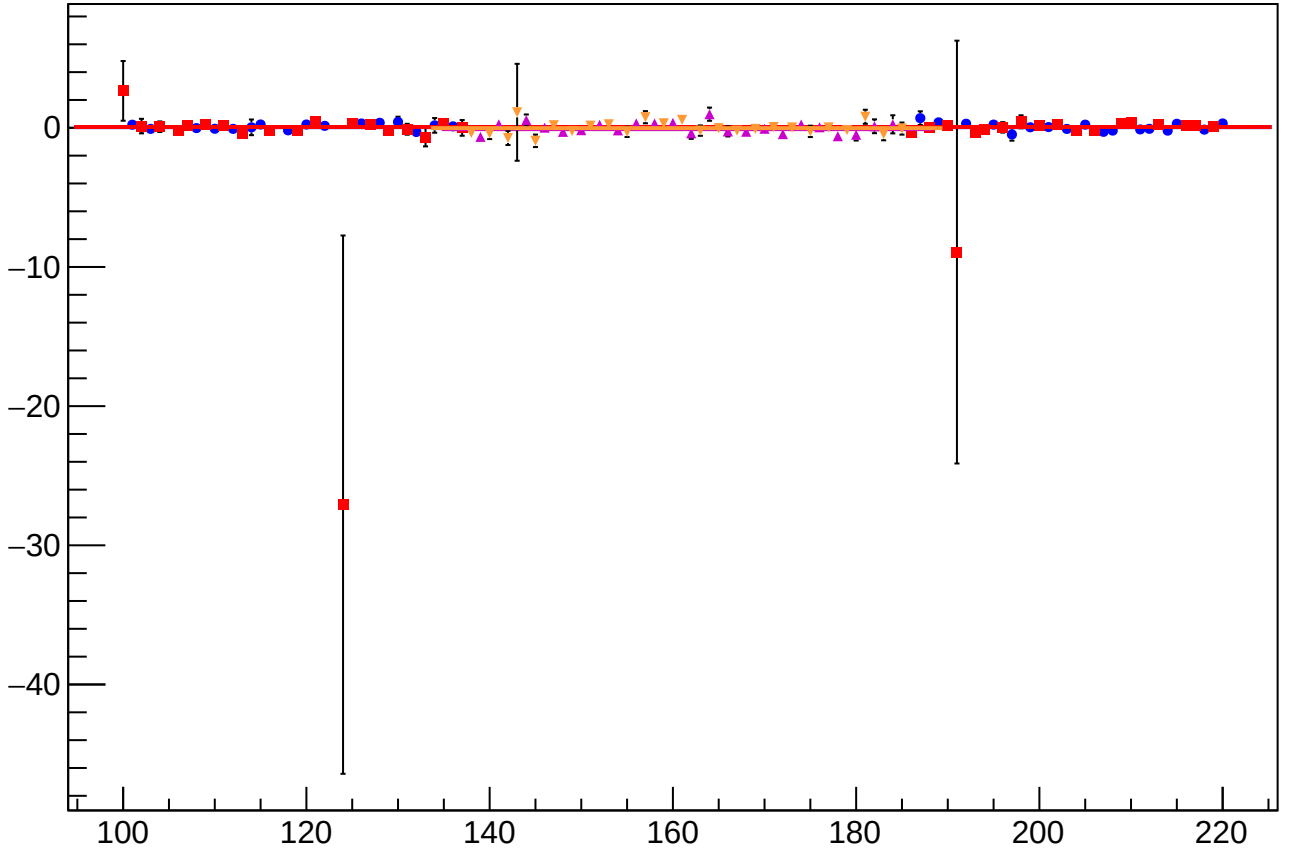
Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 20117184.6/57

All: 0.007+/-0.000 χ^2/NDF: 40327860.6/117

- sign 0.007+/-0.000 χ^2/NDF: 20188637.5/59

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.048+/-0.041 χ^2/NDF: 29.5/32

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: 0.058+/-0.039 χ^2/NDF: 37.6/36

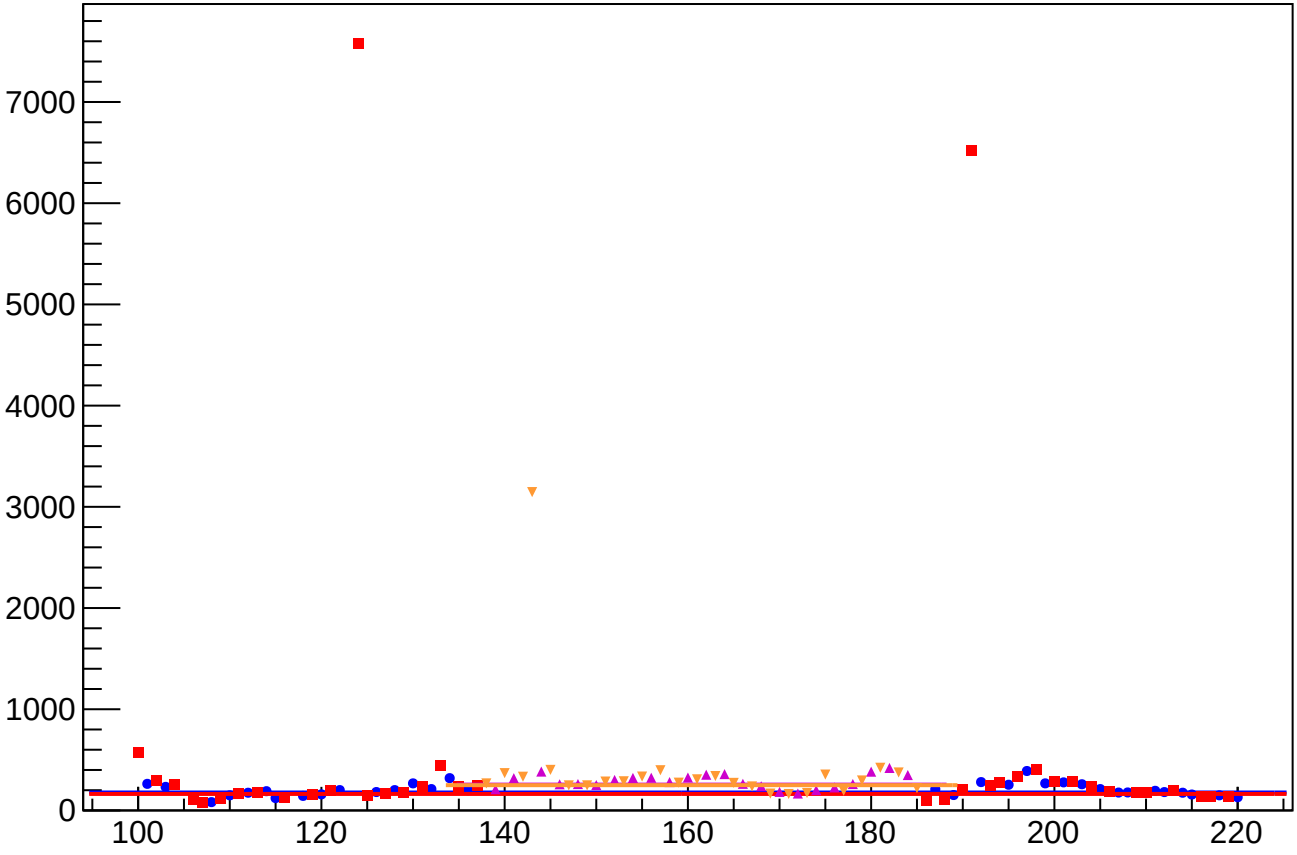
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

\+ sign 0.025+/-0.034 χ^2/NDF: 54.0/57

All: 0.020+/-0.024 χ^2/NDF: 127.4/117

\- sign 0.015+/-0.033 χ^2/NDF: 73.4/59

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 177.418+/-0.029 χ^2/NDF: 3355778.1/32

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

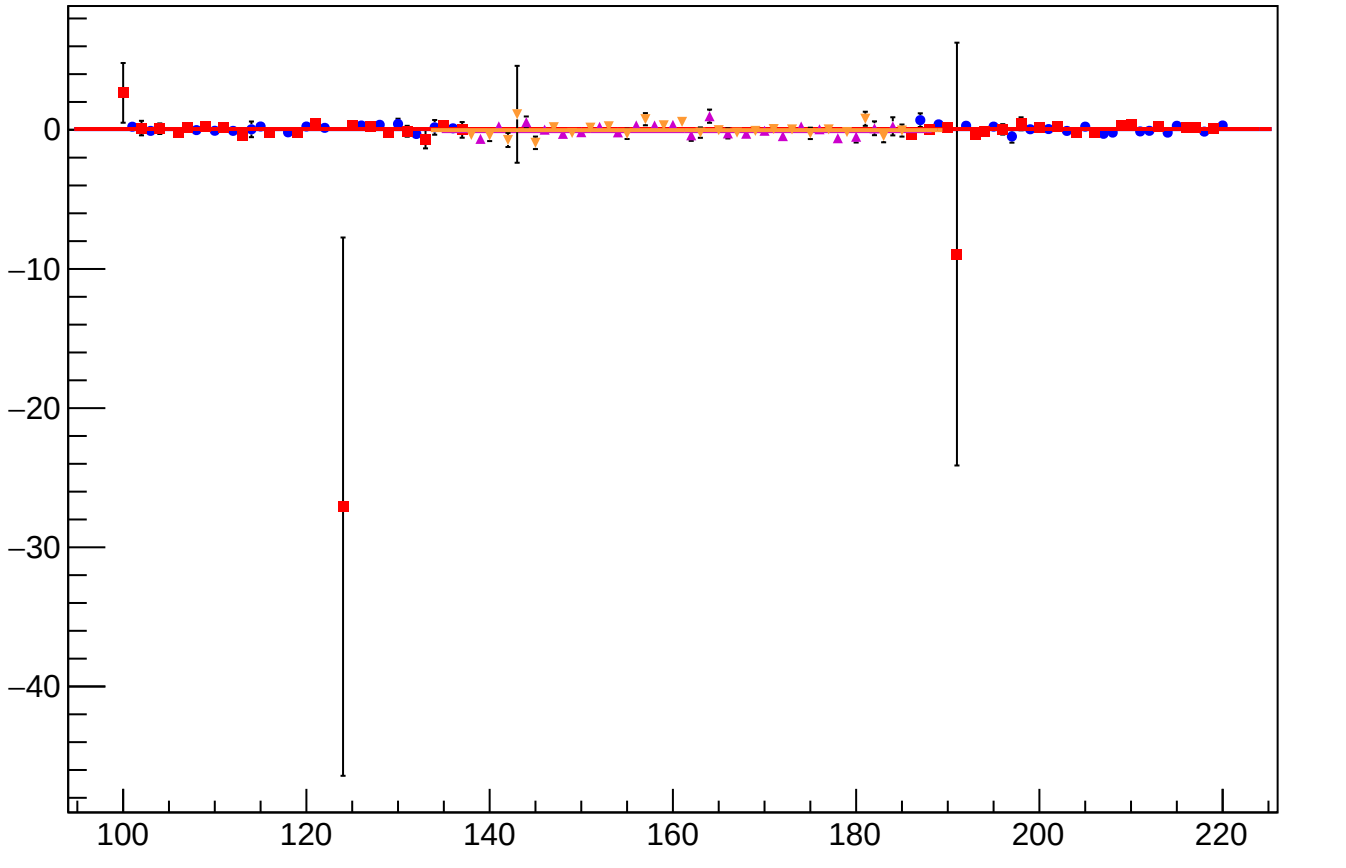
Right Out: 163.217+/-0.028 χ^2/NDF: 5503577.1/36

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 199.832+/-0.024 χ^2/NDF: 9498708.0/57

All: 194.186+/-0.017 χ^2/NDF: 20301493.6/11

- sign 188.872+/-0.024 χ^2/NDF: 10697458.2/59



Right In: 0.048+/-0.041 χ^2/NDF: 29.5/32

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

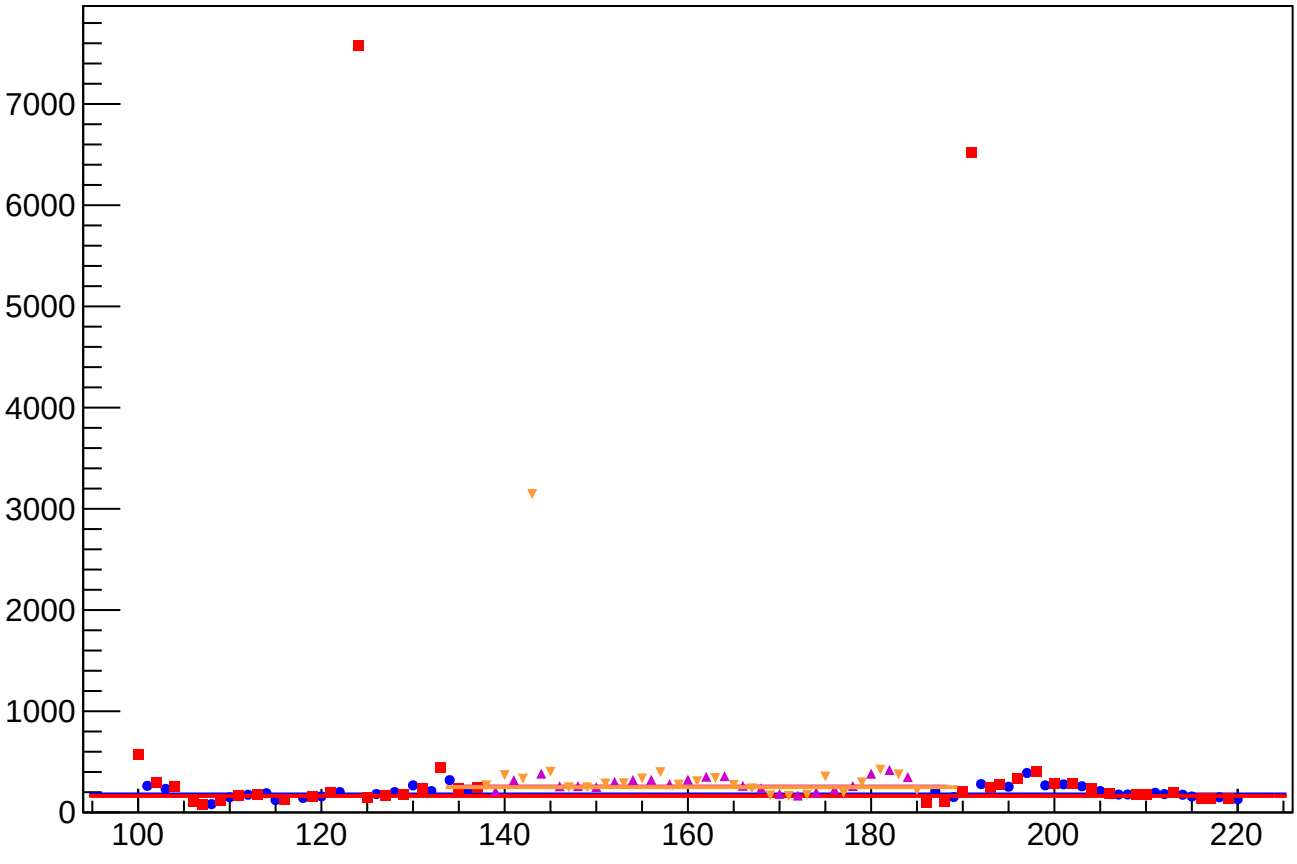
Right Out: 0.058+/-0.039 χ^2/NDF: 37.6/36

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

\+ sign 0.025+/-0.034 χ^2/NDF: 54.0/57

All: 0.020+/-0.024 χ^2/NDF: 127.4/117

\- sign 0.015+/-0.033 χ^2/NDF: 73.4/59



Right In: 177.418+/-0.029 χ^2/NDF: 3355778.1/32

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

Right Out: 163.217+/-0.028 χ^2/NDF: 5503577.1/36

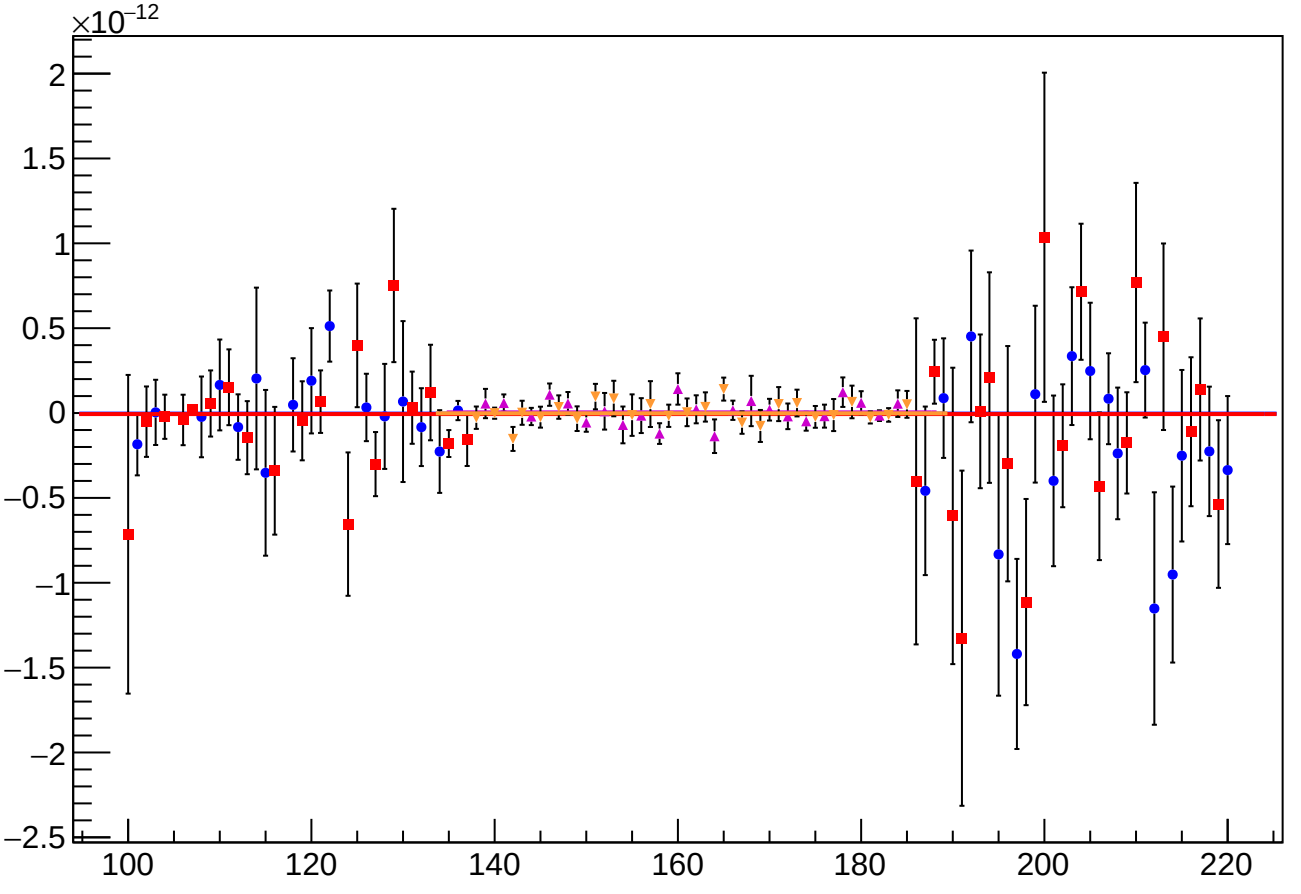
Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 199.832+/-0.024 χ^2/NDF: 9498708.0/57

All: 194.186+/-0.017 χ^2/NDF: 20301493.6/11

- sign 188.872+/-0.024 χ^2/NDF: 10697458.2/59

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

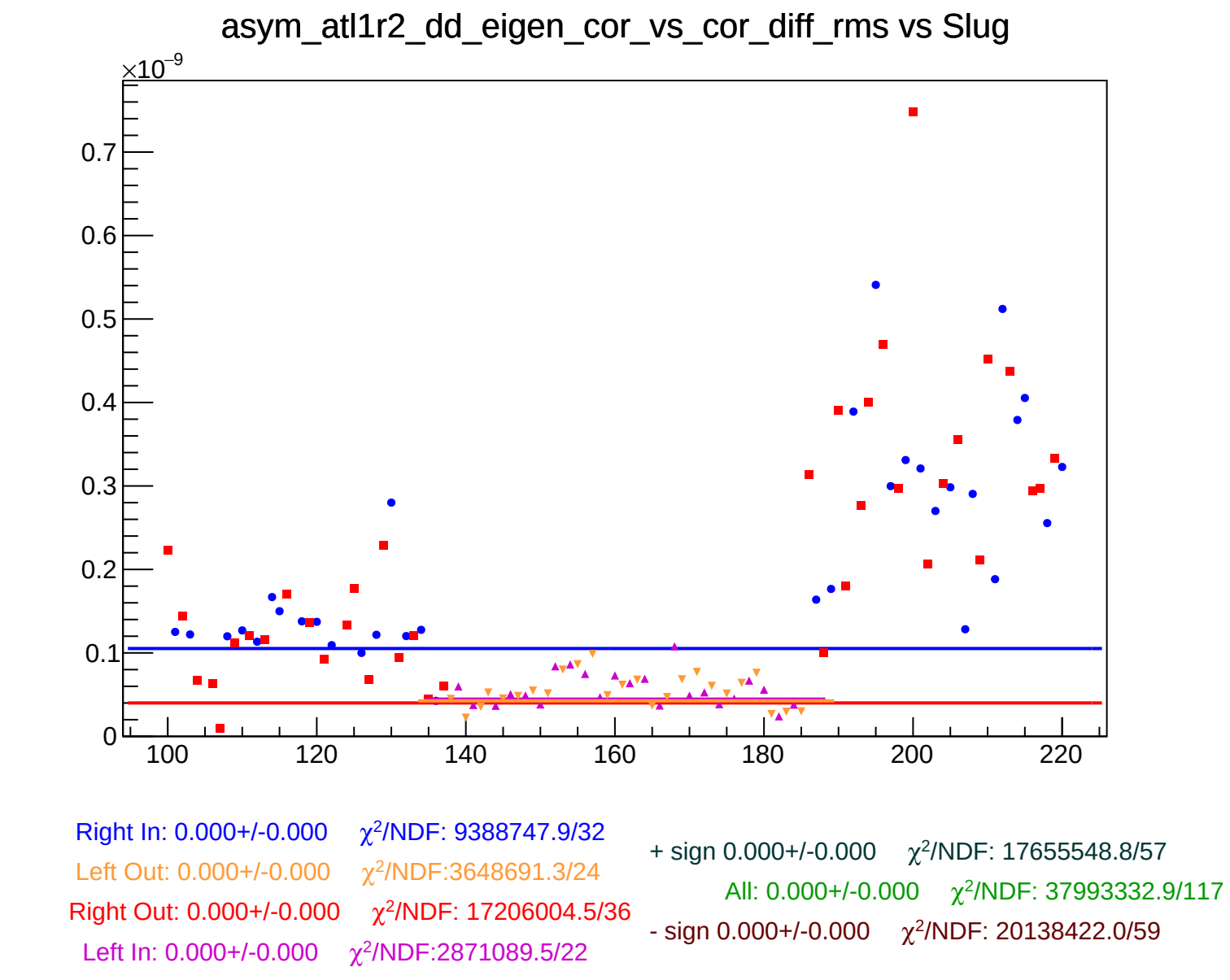
Right Out: -0.000+/-0.000 χ^2/NDF: 35.9/36

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

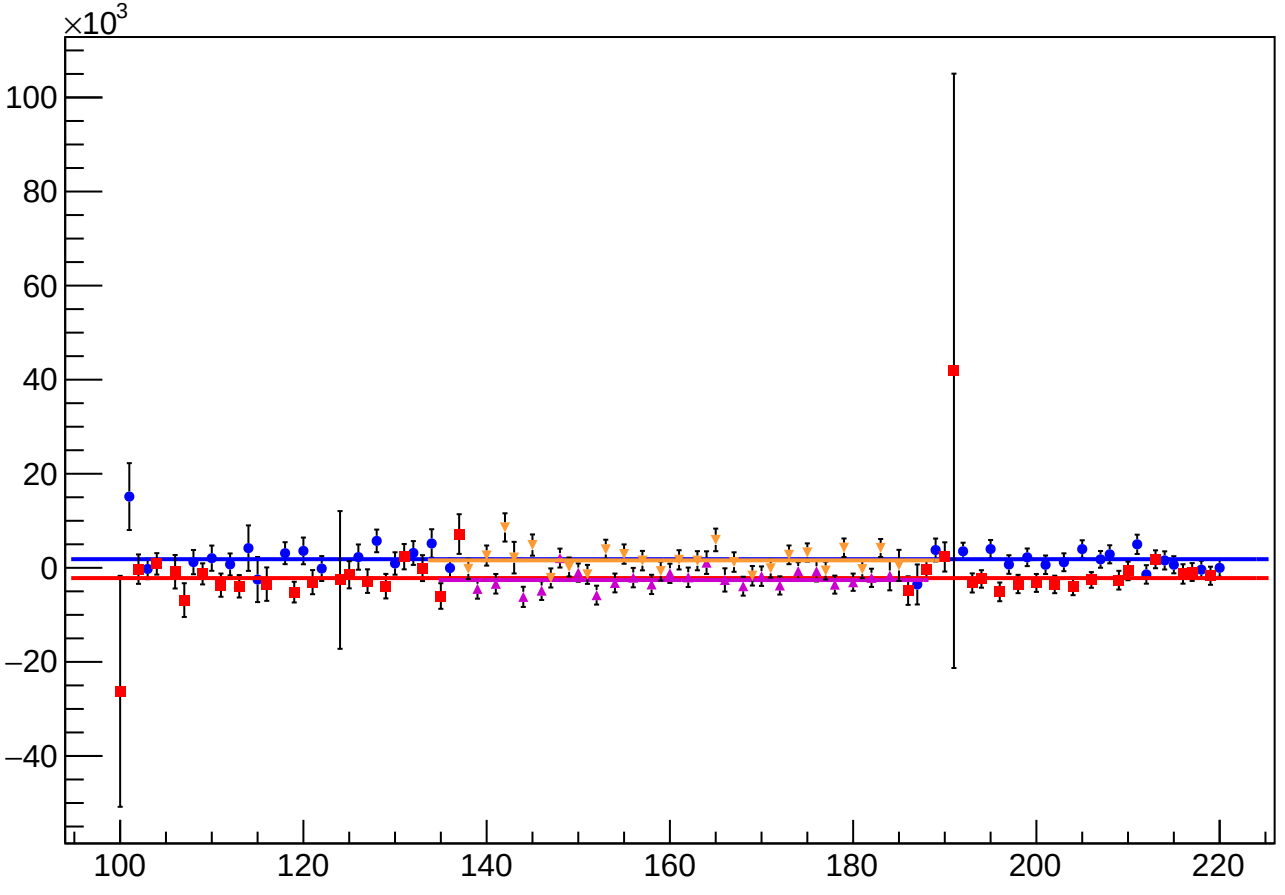
+ sign -0.000+/-0.000 χ^2/NDF: 45.7/57

All: -0.000+/-0.000 χ^2/NDF: 101.6/117

- sign 0.000+/-0.000 χ^2/NDF: 55.9/59


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
220
Right In: 0.000+/-0.000 χ²/NDF: 9388747.9/32
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 17206004.5/36
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
+ sign 0.000+/-0.000 χ²/NDF: 17655548.8/57
All: 0.000+/-0.000 χ²/NDF: 37993332.9/117
- sign 0.000+/-0.000 χ²/NDF: 20138422.0/59

reg_asym_atr1l2_avg_mean vs Slug



Right In: 1836.766+/-389.063 χ^2/NDF: 26.8/32

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2182.961+/-388.998 χ^2/NDF: 33.5/36

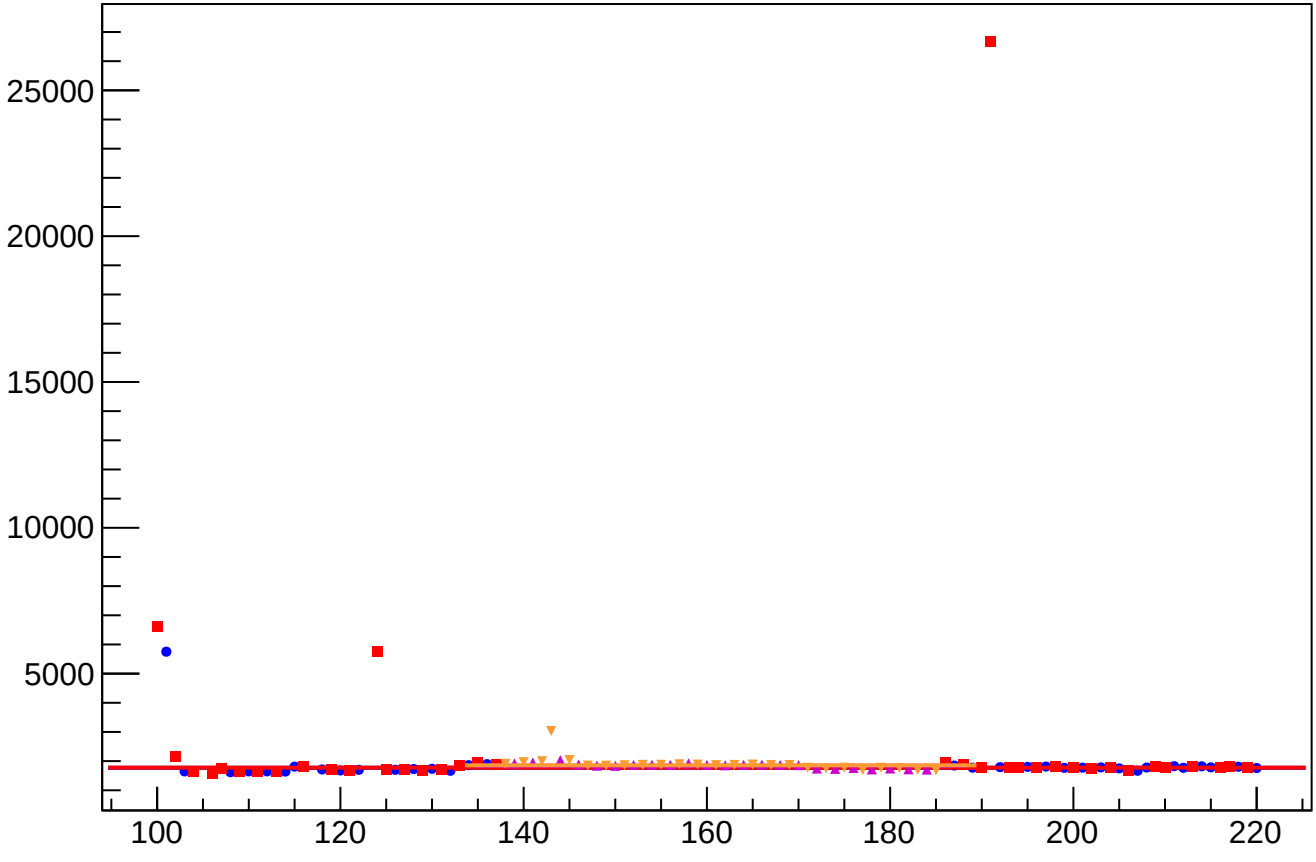
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1724.892+/-286.449 χ^2/NDF: 58.3/57

All: -307.261+/-203.292 χ^2/NDF: 213.7/117

- sign -2369.497+/-288.561 χ^2/NDF: 54.0/59

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1770.307+/-0.275 χ^2/NDF: 685361.9/32

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1775.675+/-0.274 χ^2/NDF: 649668.5/36

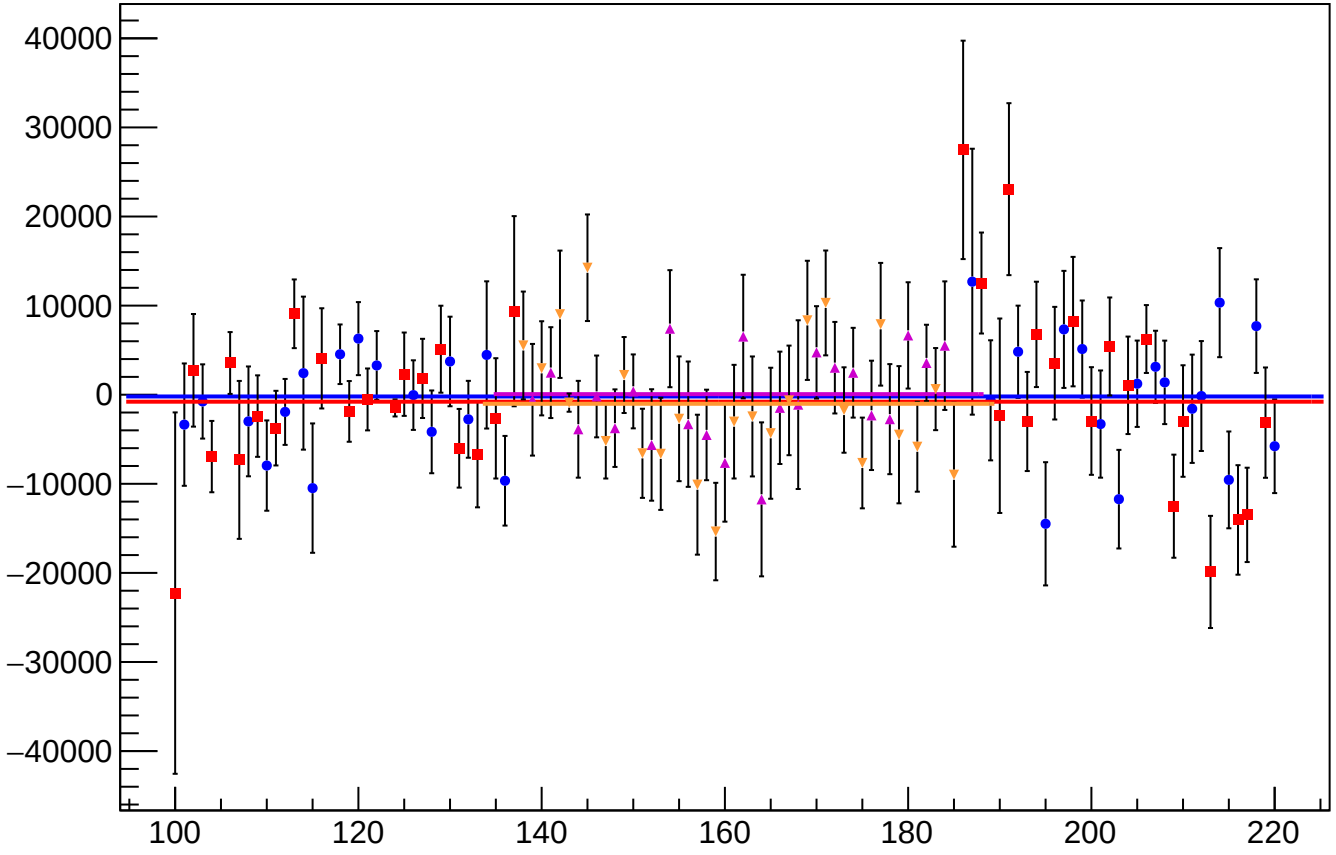
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1809.347+/-0.203 χ^2/NDF: 1053605.0/57

All: 1807.167+/-0.144 χ^2/NDF: 1799902.2/11

- sign 1804.961+/-0.204 χ^2/NDF: 746064.1/59

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -198.644+/-890.036 χ^2/NDF: 39.1/32

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: -783.706+/-646.564 χ^2/NDF: 69.8/36

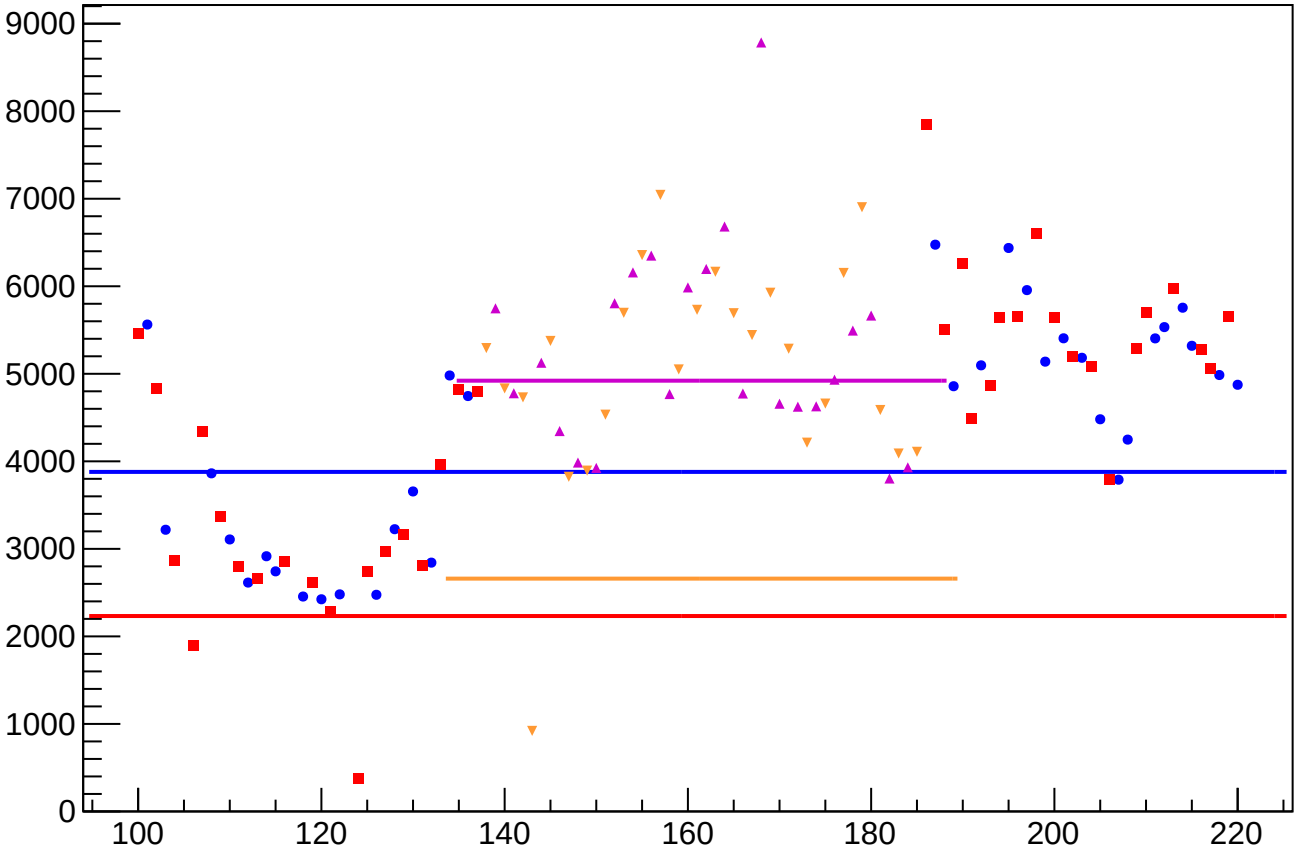
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -666.807+/-583.107 χ^2/NDF: 73.3/57

All: -625.560+/-406.242 χ^2/NDF: 156.5/117

- sign -586.658+/-566.290 χ^2/NDF: 83.2/59

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3879.211+/-0.629 χ^2/NDF: 3750619.0/32

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 2232.648+/-0.457 χ^2/NDF: 18674589.1/36

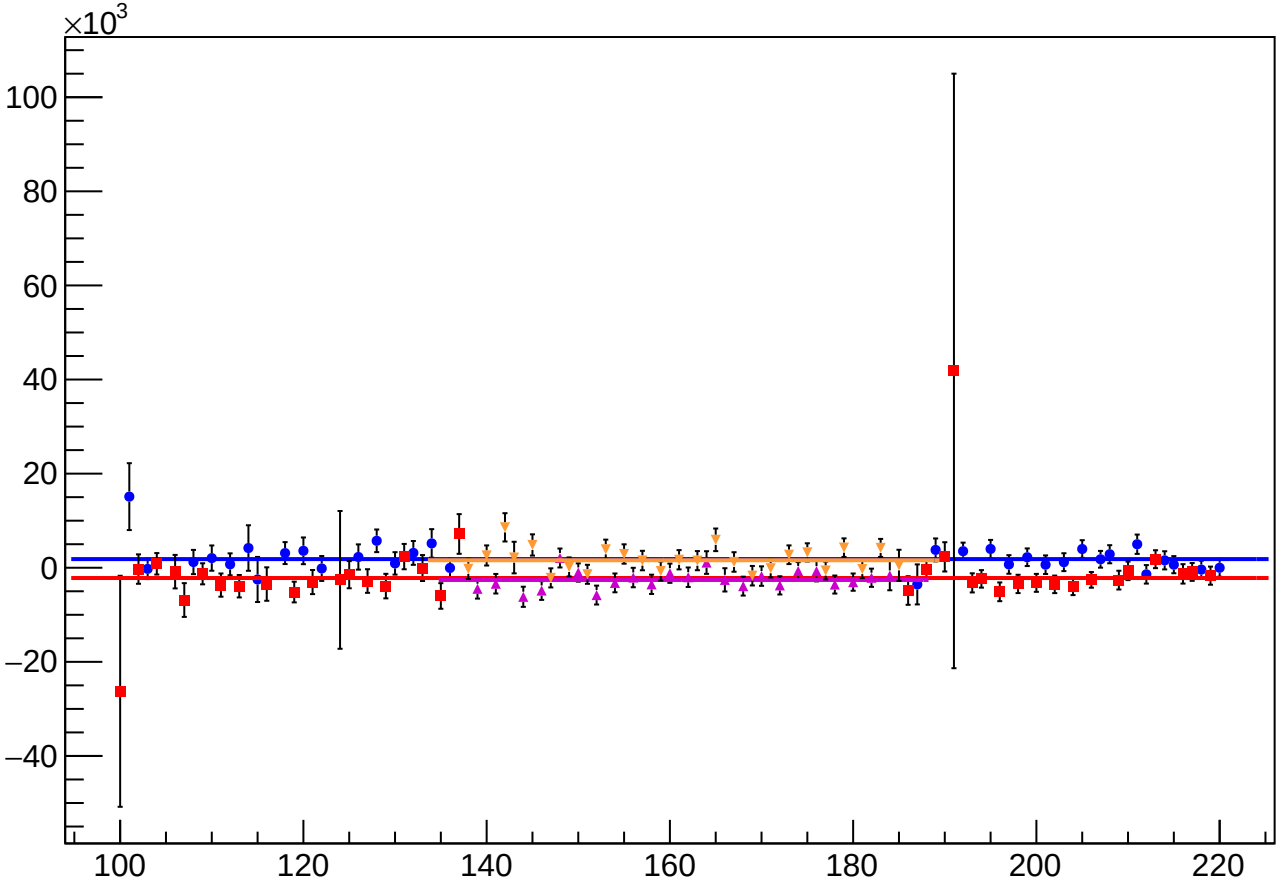
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 3183.316+/-0.412 χ^2/NDF: 20428765.8/57

All: 3016.327+/-0.287 χ^2/NDF: 48727823.2/1

- sign 2858.831+/-0.400 χ^2/NDF: 27980331.8/59

cor_asym_atr1l2_avg_mean vs Slug



Right In: 1836.554+/-389.063 χ^2/NDF: 26.8/32

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2182.995+/-388.998 χ^2/NDF: 33.4/36

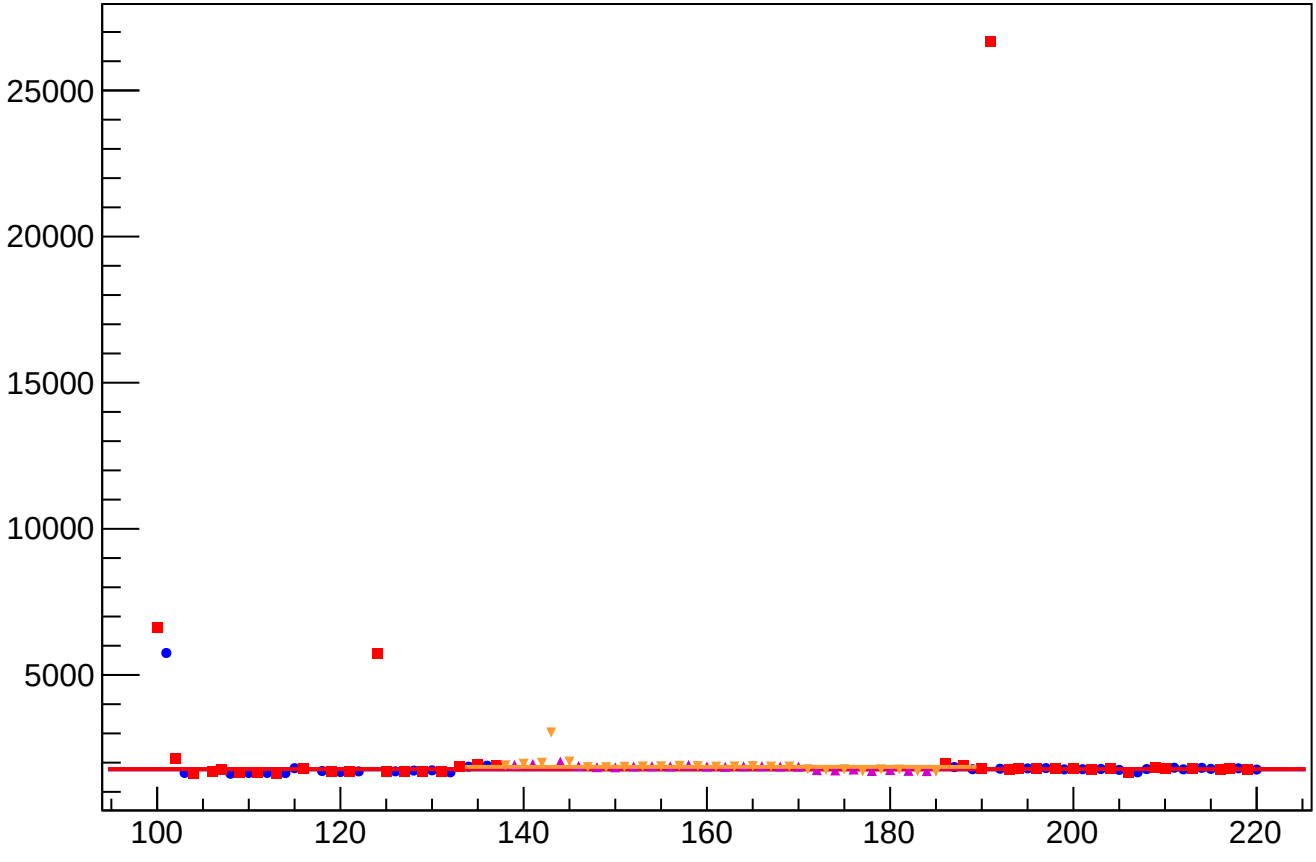
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1724.762+/-286.449 χ^2/NDF: 58.2/57

All: -307.352+/-203.292 χ^2/NDF: 213.7/117

- sign -2369.548+/-288.561 χ^2/NDF: 54.0/59

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1770.307+/-0.275 χ^2/NDF: 685362.2/32

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.142+/-0.275 χ^2/NDF: 640840.1/36

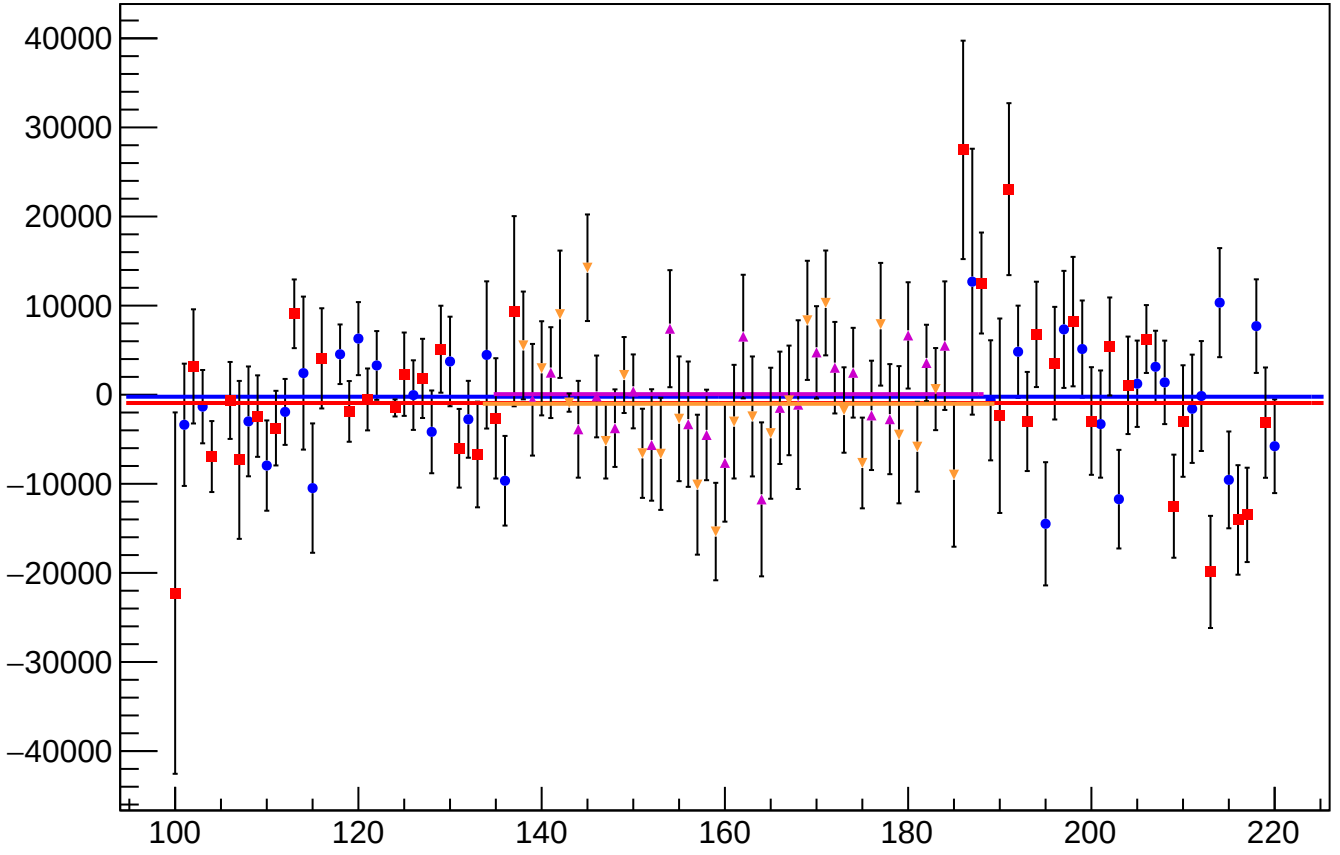
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1809.347+/-0.203 χ^2/NDF: 1053605.4/57

All: 1807.864+/-0.144 χ^2/NDF: 1789038.8/11

- sign 1806.361+/-0.204 χ^2/NDF: 735325.5/59

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -226.933+/-889.510 χ^2/NDF: 39.1/32

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -931.604+/-650.600 χ^2/NDF: 68.3/36

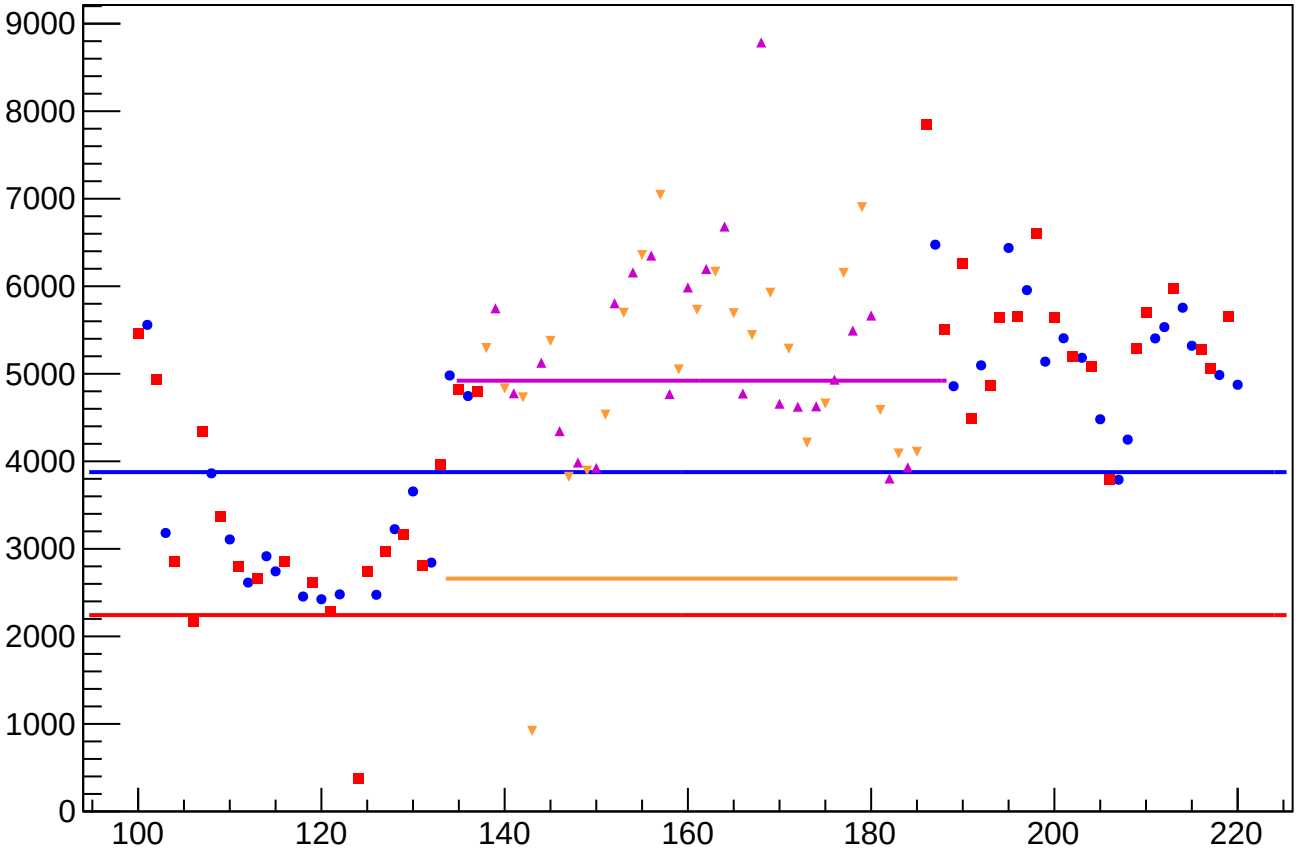
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -678.643+/-582.951 χ^2/NDF: 73.3/57

All: -688.512+/-407.185 χ^2/NDF: 155.2/117

- sign -697.913+/-568.995 χ^2/NDF: 81.8/59

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3876.703+/-0.629 χ^2/NDF: 3757372.0/32

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2243.258+/-0.460 χ^2/NDF: 18670664.6/36

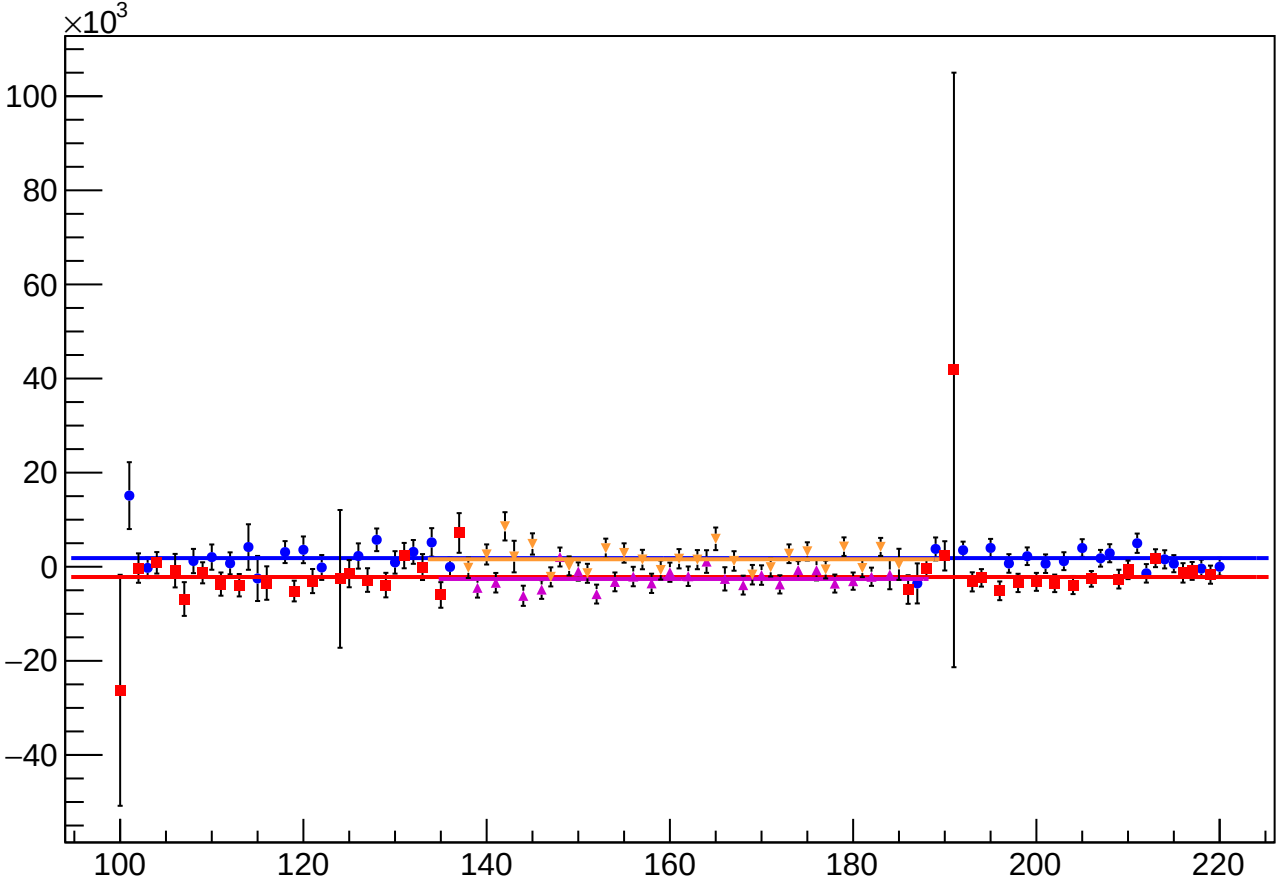
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3182.520+/-0.412 χ^2/NDF: 20429295.3/57

All: 3023.982+/-0.288 χ^2/NDF: 48607866.5/1

- sign 2872.943+/-0.402 χ^2/NDF: 27889723.1/59

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 1836.554+/-389.063 χ^2/NDF: 26.8/32

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2182.995+/-388.998 χ^2/NDF: 33.4/36

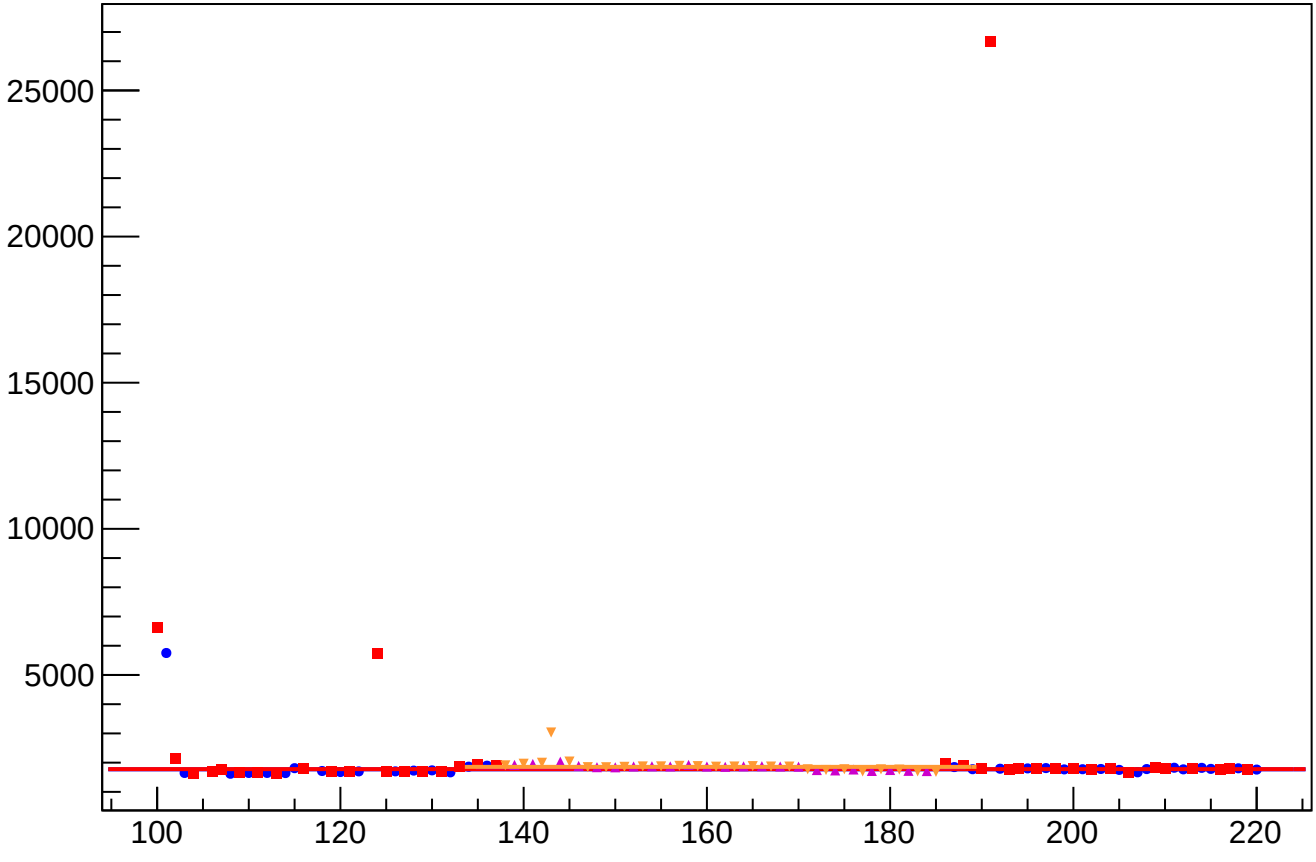
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1724.762+/-286.449 χ^2/NDF: 58.2/57

All: -307.352+/-203.292 χ^2/NDF: 213.7/117

- sign -2369.548+/-288.561 χ^2/NDF: 54.0/59

eigen_cor_asym_atr1l2_avg_rms vs Slug



Right In: 1770.307+/-0.275 χ^2/NDF: 685362.2/32

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1778.142+/-0.275 χ^2/NDF: 640840.1/36

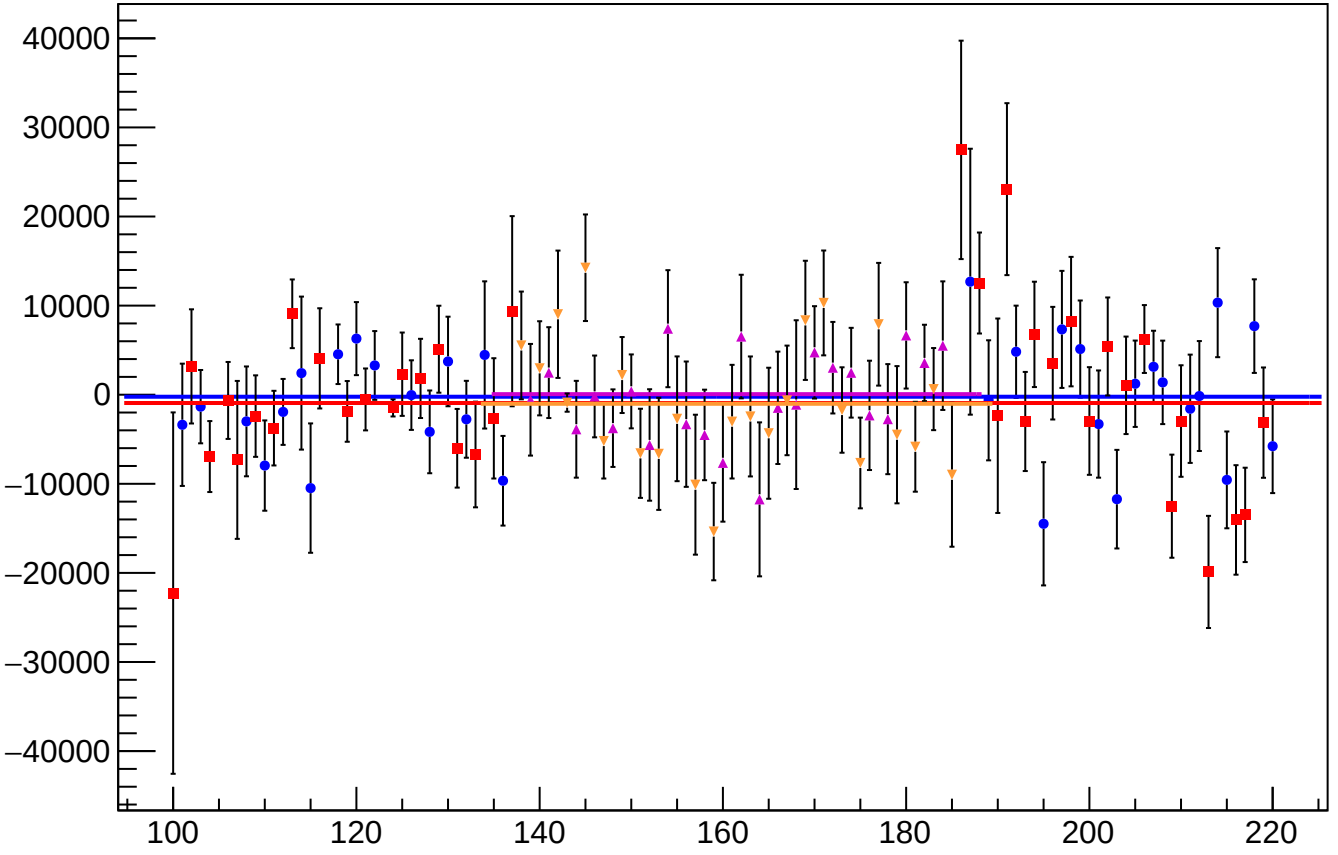
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1809.347+/-0.203 χ^2/NDF: 1053605.4/57

All: 1807.864+/-0.144 χ^2/NDF: 1789038.8/11

- sign 1806.361+/-0.204 χ^2/NDF: 735325.5/59

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug



Right In: -226.933+/-889.510 χ^2/NDF: 39.1/32

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -931.604+/-650.600 χ^2/NDF: 68.3/36

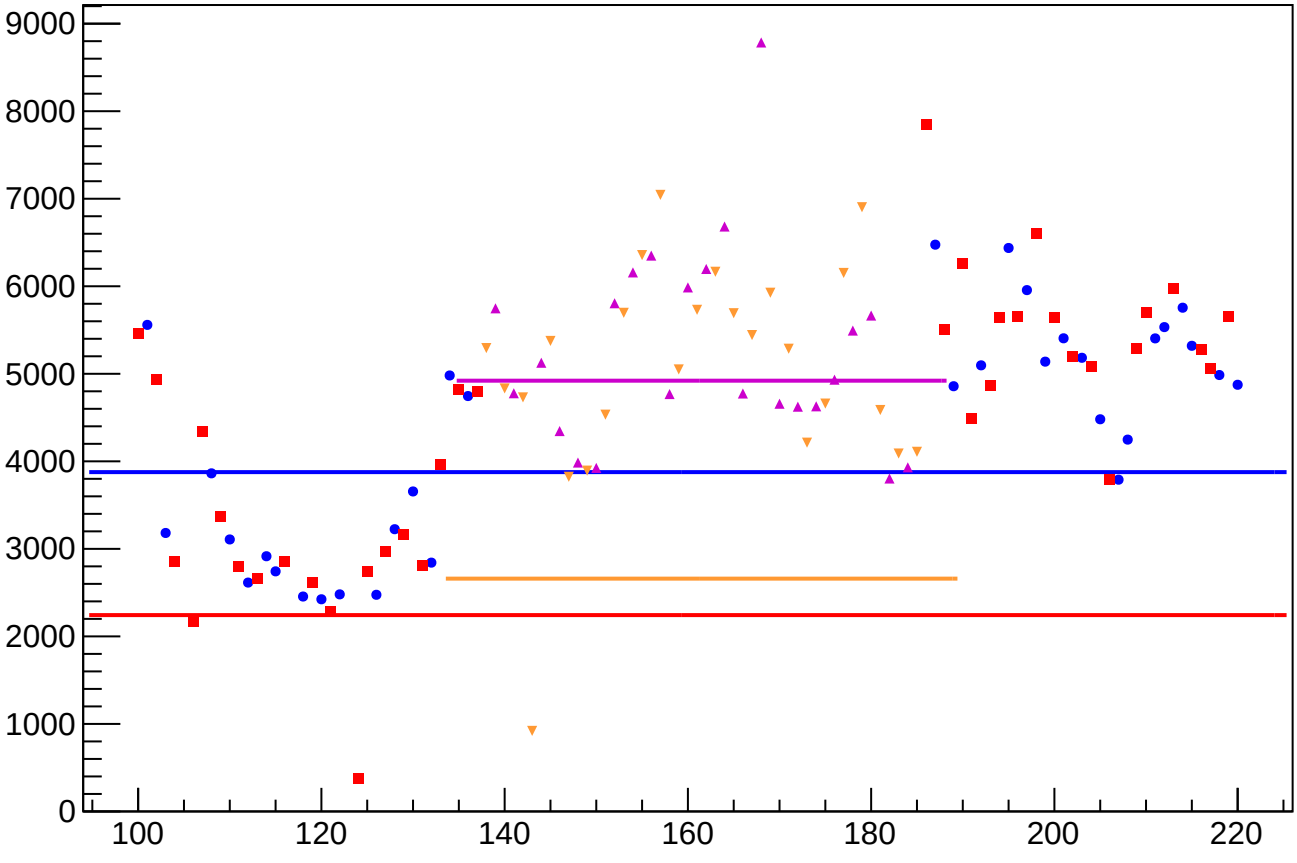
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -678.643+/-582.951 χ^2/NDF: 73.3/57

All: -688.512+/-407.185 χ^2/NDF: 155.2/117

- sign -697.913+/-568.995 χ^2/NDF: 81.8/59

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3876.703+/-0.629 χ^2/NDF: 3757372.0/32

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 2243.258+/-0.460 χ^2/NDF: 18670664.6/36

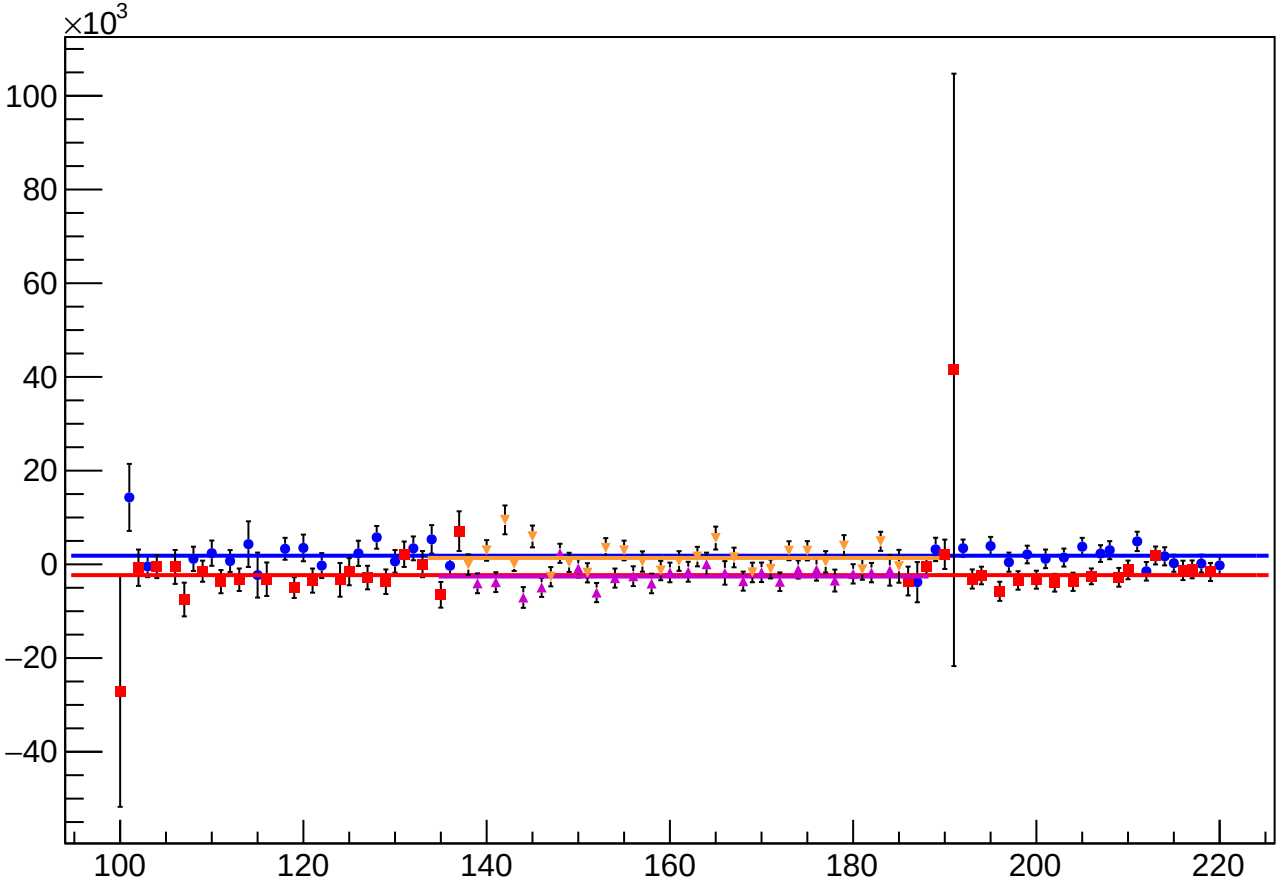
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3182.520+/-0.412 χ^2/NDF: 20429295.3/57

All: 3023.982+/-0.288 χ^2/NDF: 48607866.5/1

- sign 2872.943+/-0.402 χ^2/NDF: 27889723.1/59

dit_asym_atr1l2_avg_mean vs Slug



Right In: 1844.717+/-392.747 χ^2/NDF: 26.2/32

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2298.350+/-391.727 χ^2/NDF: 31.9/36

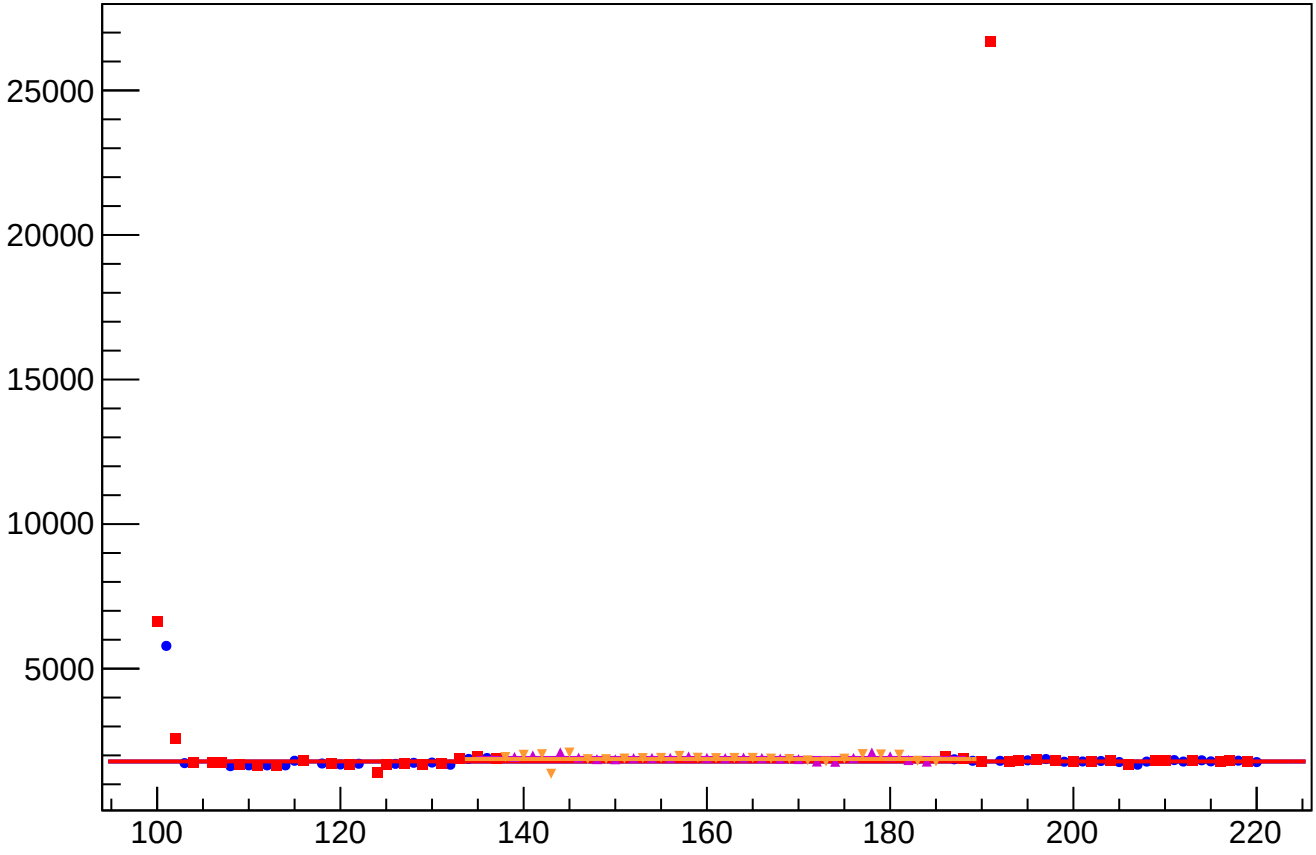
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1624.544+/-289.169 χ^2/NDF: 63.0/57

All: -365.811+/-206.344 χ^2/NDF: 211.7/117

- sign -2430.700+/-294.534 χ^2/NDF: 52.2/59

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1786.910+/-0.278 χ^2/NDF: 685407.6/32

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1790.950+/-0.277 χ^2/NDF: 563870.9/36

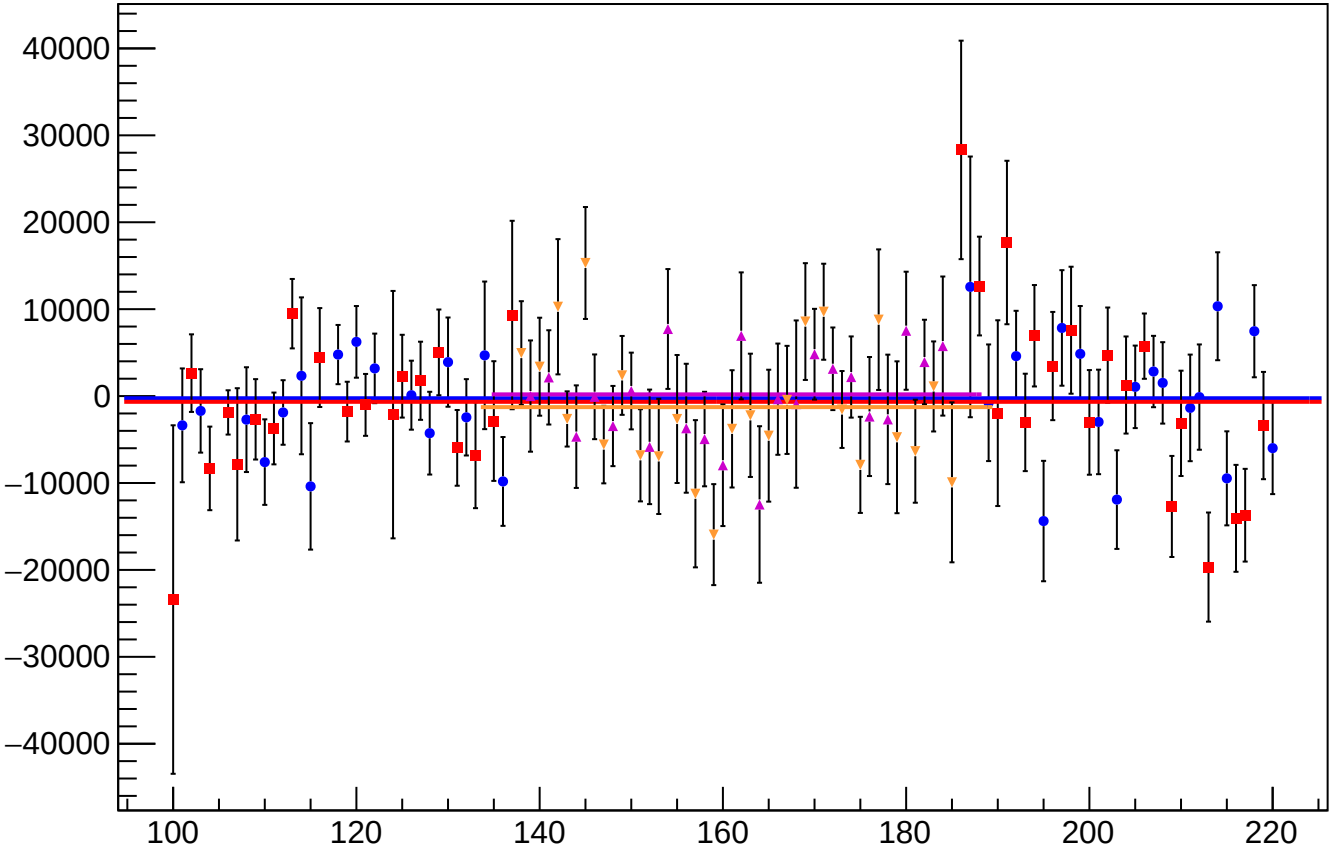
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1826.412+/-0.204 χ^2/NDF: 1039325.8/57

All: 1834.686+/-0.146 χ^2/NDF: 1747962.9/11

- sign 1843.260+/-0.208 χ^2/NDF: 705303.0/59

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -248.305+/-901.926 χ^2/NDF: 38.2/32

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: -658.539+/-853.947 χ^2/NDF: 65.8/36

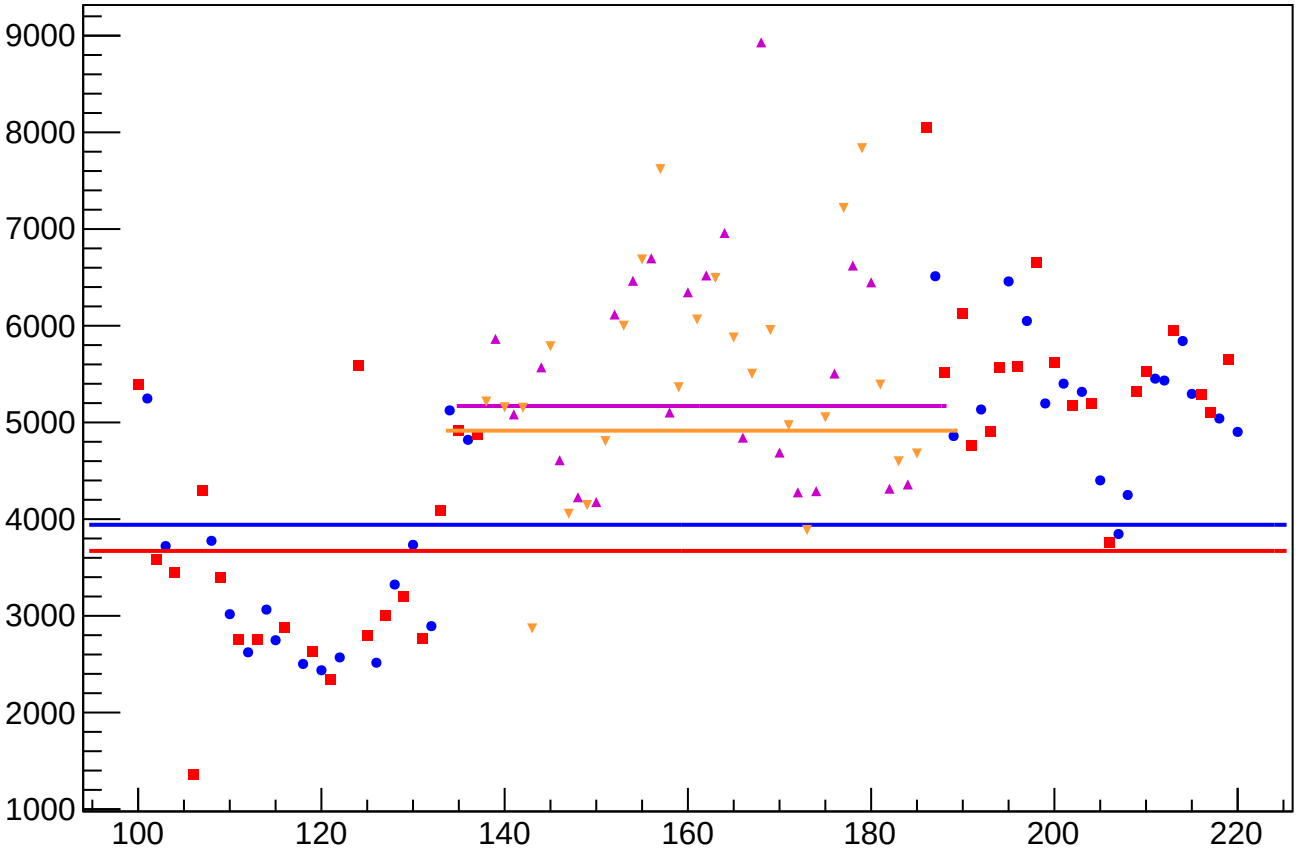
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -634.761+/-711.128 χ^2/NDF: 72.1/57

All: -506.647+/-499.694 χ^2/NDF: 151.0/117

- sign -381.693+/-702.304 χ^2/NDF: 78.8/59

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3941.618+/-0.638 χ^2/NDF: 3586634.4/32

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

Right Out: 3671.374+/-0.604 χ^2/NDF: 5763773.5/36

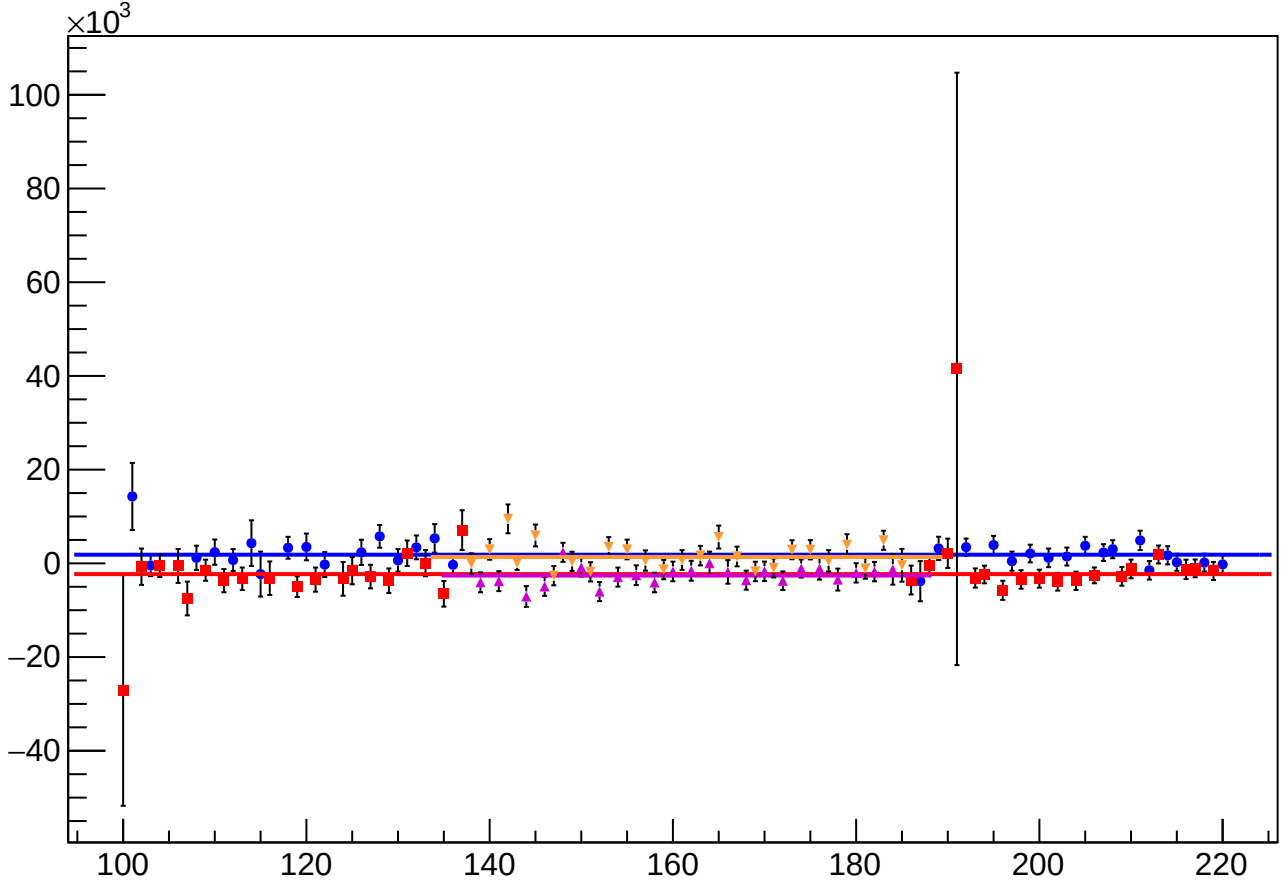
Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4309.978+/-0.503 χ^2/NDF: 6634630.0/57

All: 4232.217+/-0.353 χ^2/NDF: 15787833.1/1

- sign 4156.374+/-0.497 χ^2/NDF: 9105964.2/59

eigen_dit_asym_atr1l2_avg_mean vs Slug



Right In: 1844.720+/-392.747 χ^2/NDF: 26.2/32

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2298.346+/-391.727 χ^2/NDF: 31.9/36

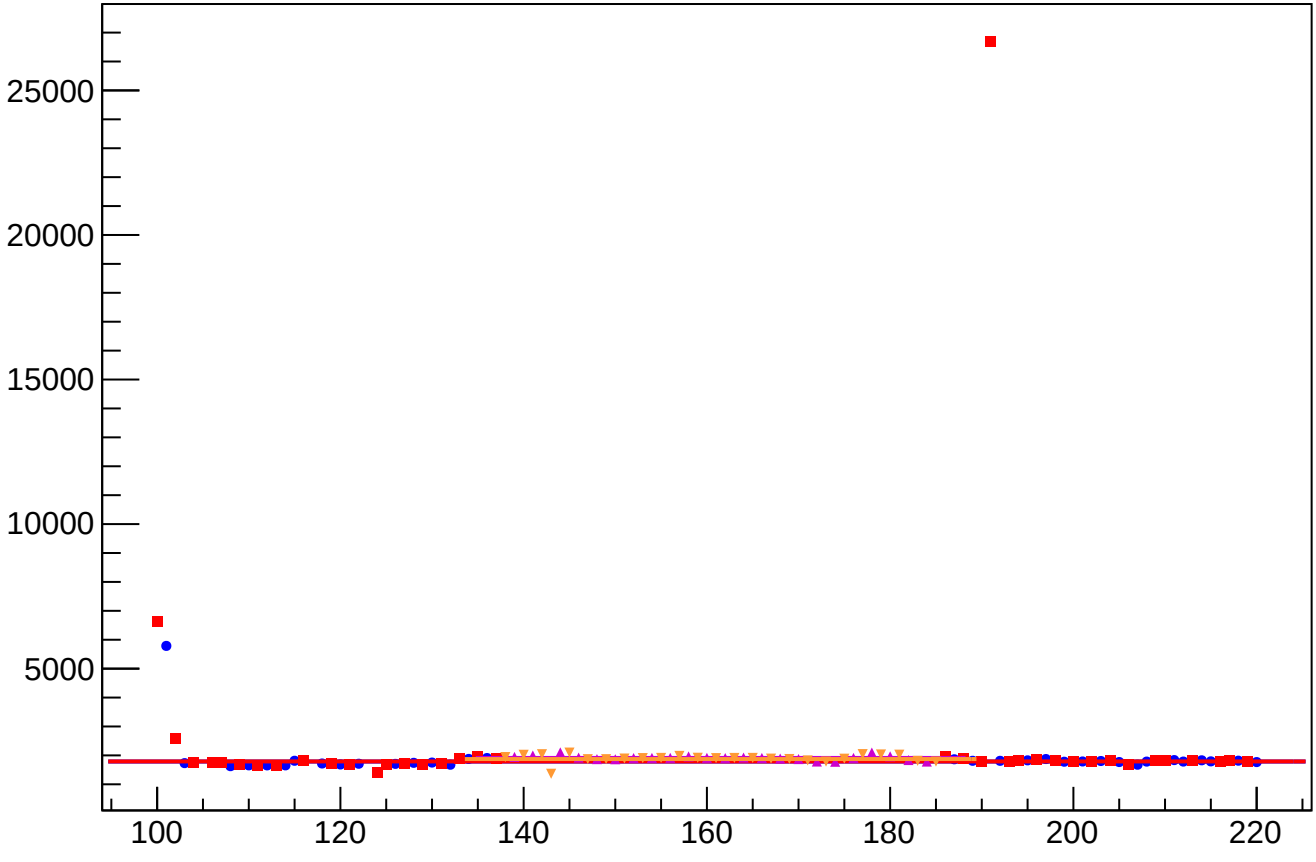
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1624.545+/-289.169 χ^2/NDF: 63.0/57

All: -365.810+/-206.344 χ^2/NDF: 211.7/117

- sign -2430.697+/-294.534 χ^2/NDF: 52.2/59

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1786.910+/-0.278 χ^2/NDF: 685407.6/32

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

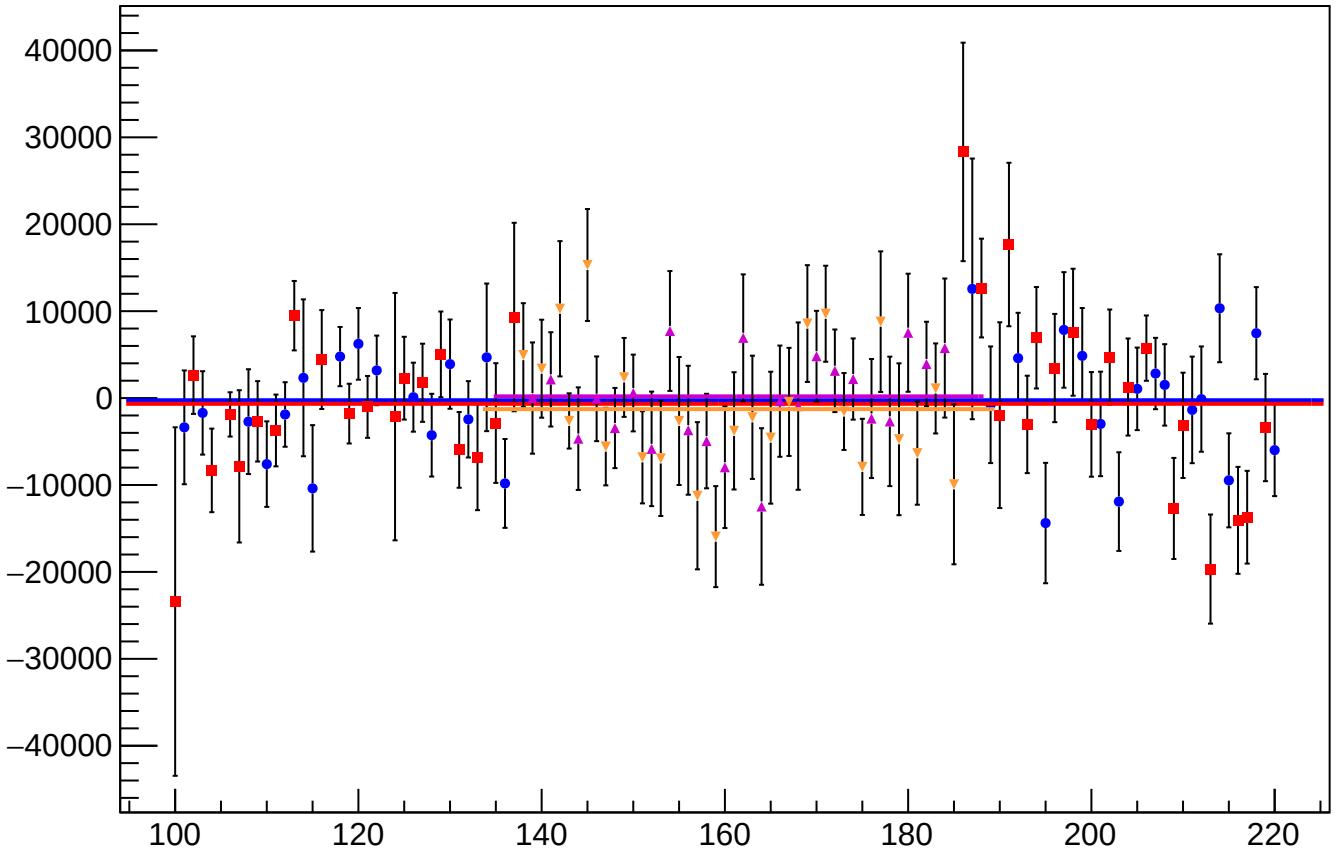
Right Out: 1790.950+/-0.277 χ^2/NDF: 563870.9/36

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1826.412+/-0.204 χ^2/NDF: 1039330.3/57

All: 1834.686+/-0.146 χ^2/NDF: 1747971.3/11

- sign 1843.260+/-0.208 χ^2/NDF: 705307.0/59



Right In: -248.300+/-901.925 χ^2/NDF: 38.2/32

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: -658.540+/-853.945 χ^2/NDF: 65.8/36

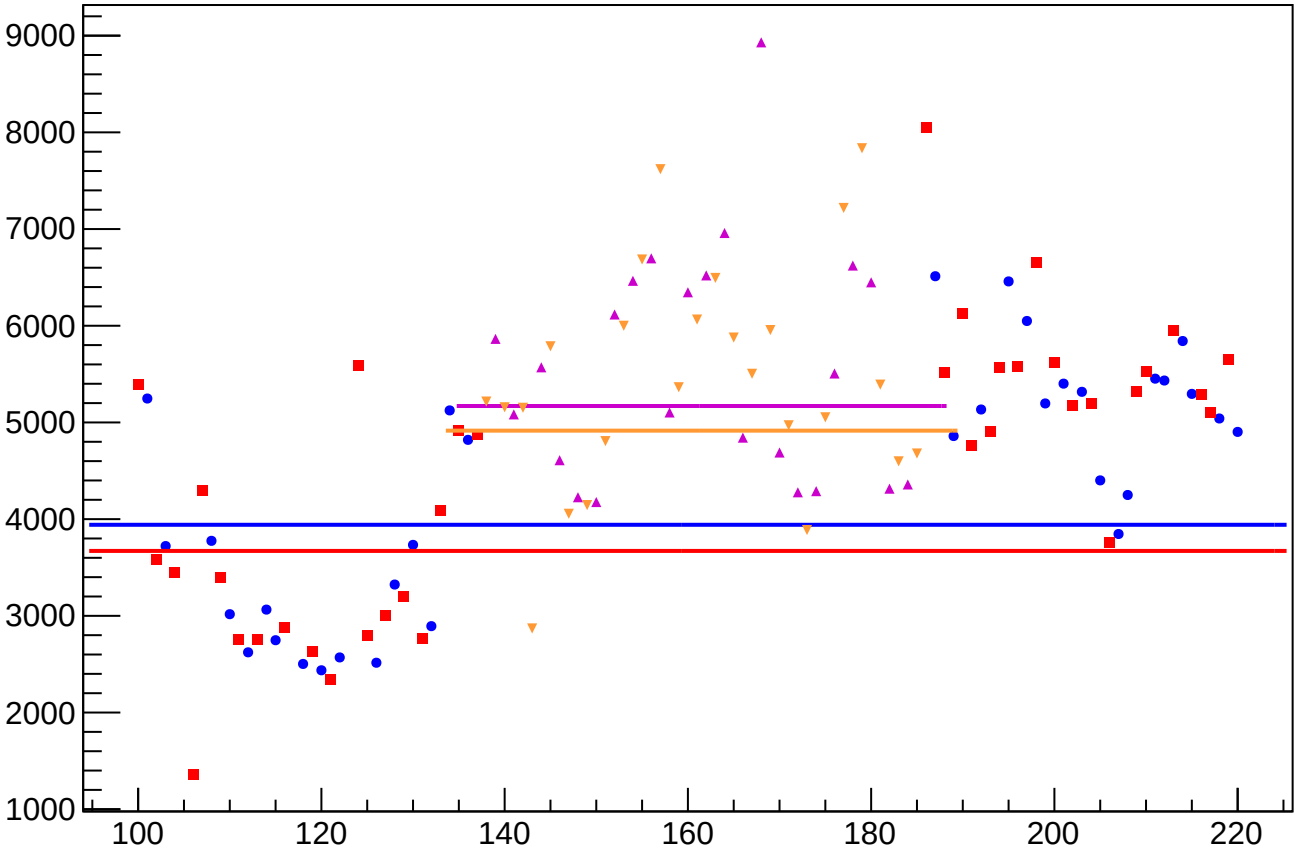
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

+ sign -634.759+/-711.128 χ^2/NDF: 72.1/57

All: -506.647+/-499.694 χ^2/NDF: 151.0/117

- sign -381.694+/-702.303 χ^2/NDF: 78.8/59

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3941.612+/-0.638 χ^2/NDF: 3586696.6/32

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3671.363+/-0.604 χ^2/NDF: 5763859.3/36

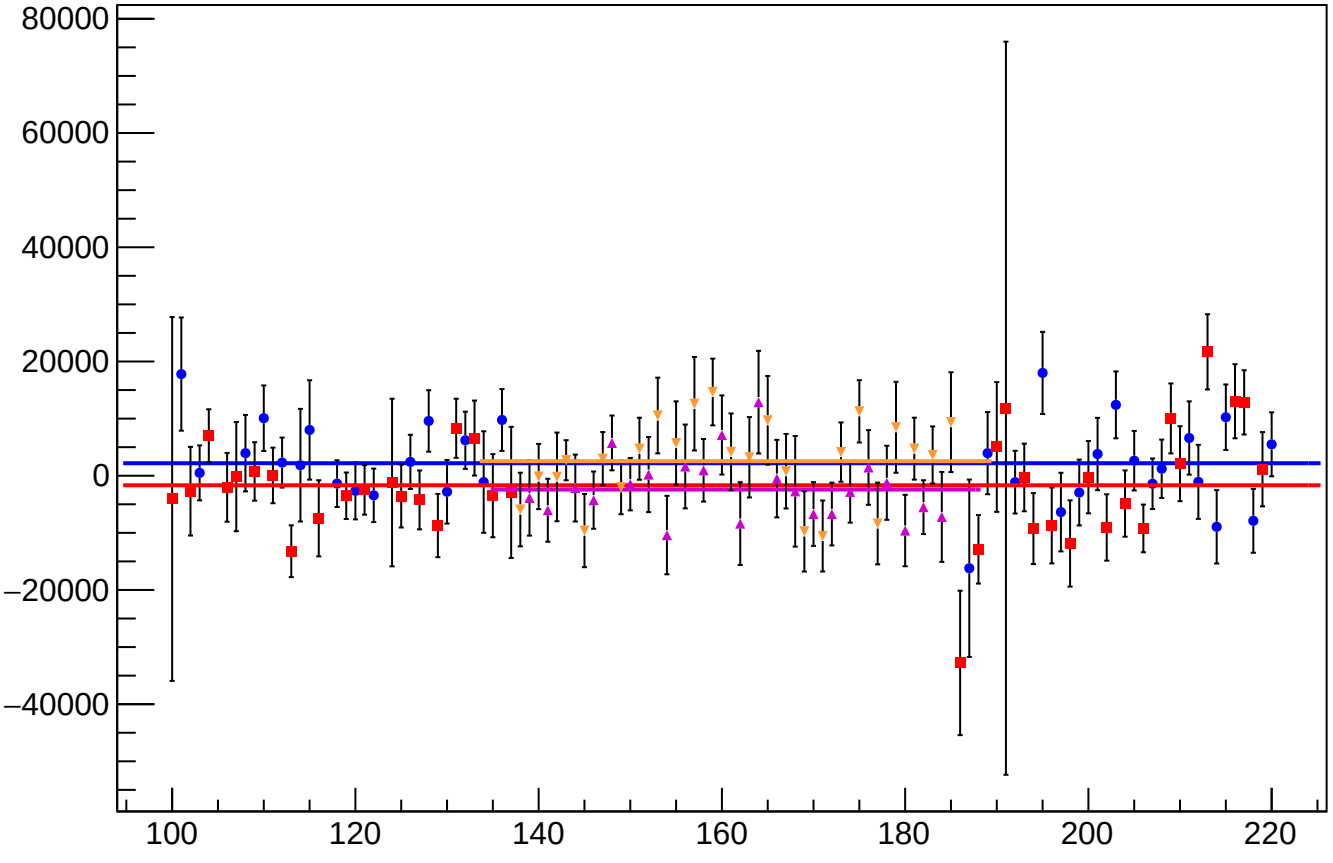
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4309.976+/-0.503 χ^2/NDF: 6634720.2/57

All: 4232.213+/-0.353 χ^2/NDF: 15788062.0/1

- sign 4156.367+/-0.497 χ^2/NDF: 9106099.7/59

asym_atr1l2_avg_mean vs Slug



Right In: 2190.530+/-1000.280 χ^2/NDF: 35.7/32

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -1670.241+/-1003.498 χ^2/NDF: 67.0/36

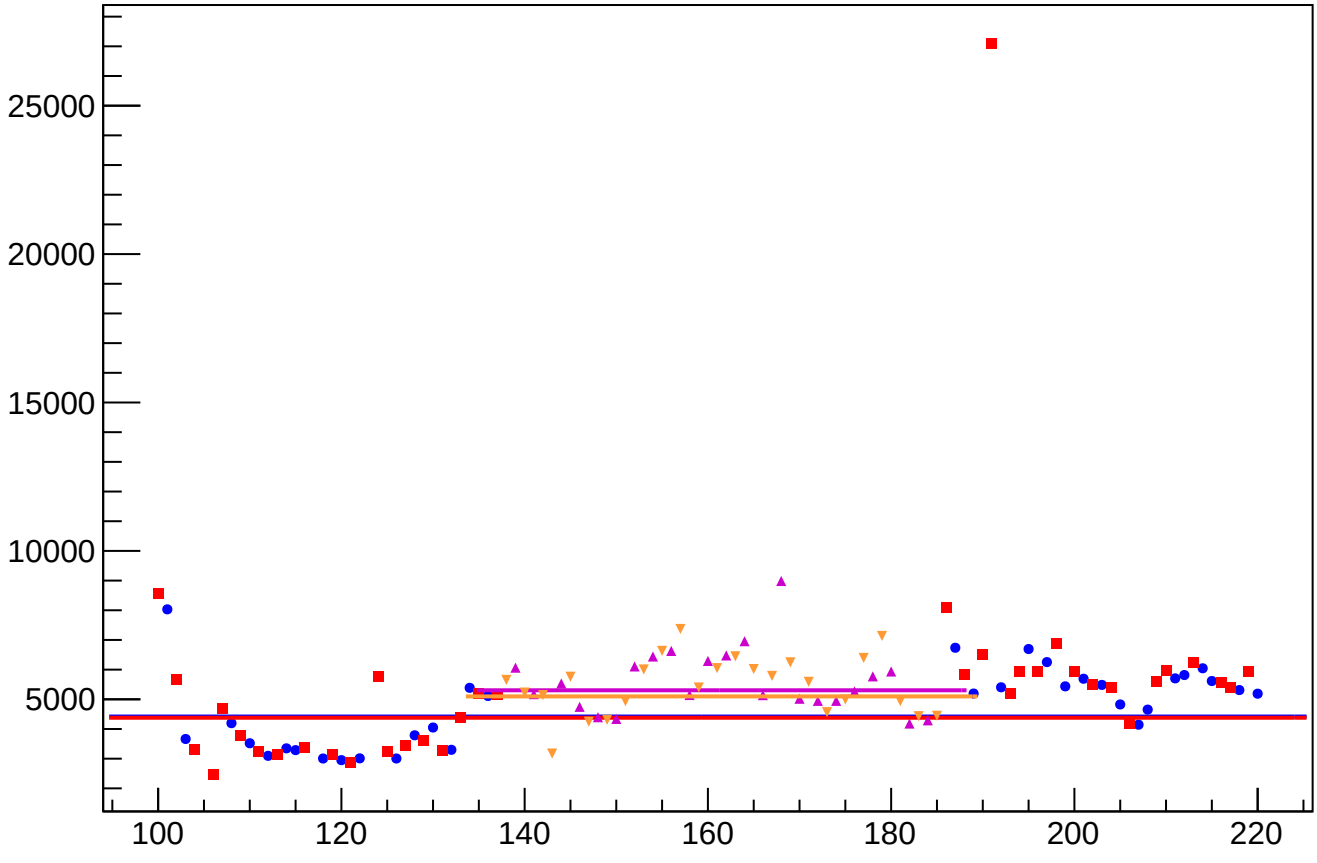
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2338.487+/-765.082 χ^2/NDF: 64.8/57

All: 242.928+/-547.861 χ^2/NDF: 162.4/117

- sign -1962.503+/-784.883 χ^2/NDF: 82.2/59

asym_atr1l2_avg_rms vs Slug



Right In: 4419.880+/-0.707 χ^2/NDF: 2756276.1/32

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

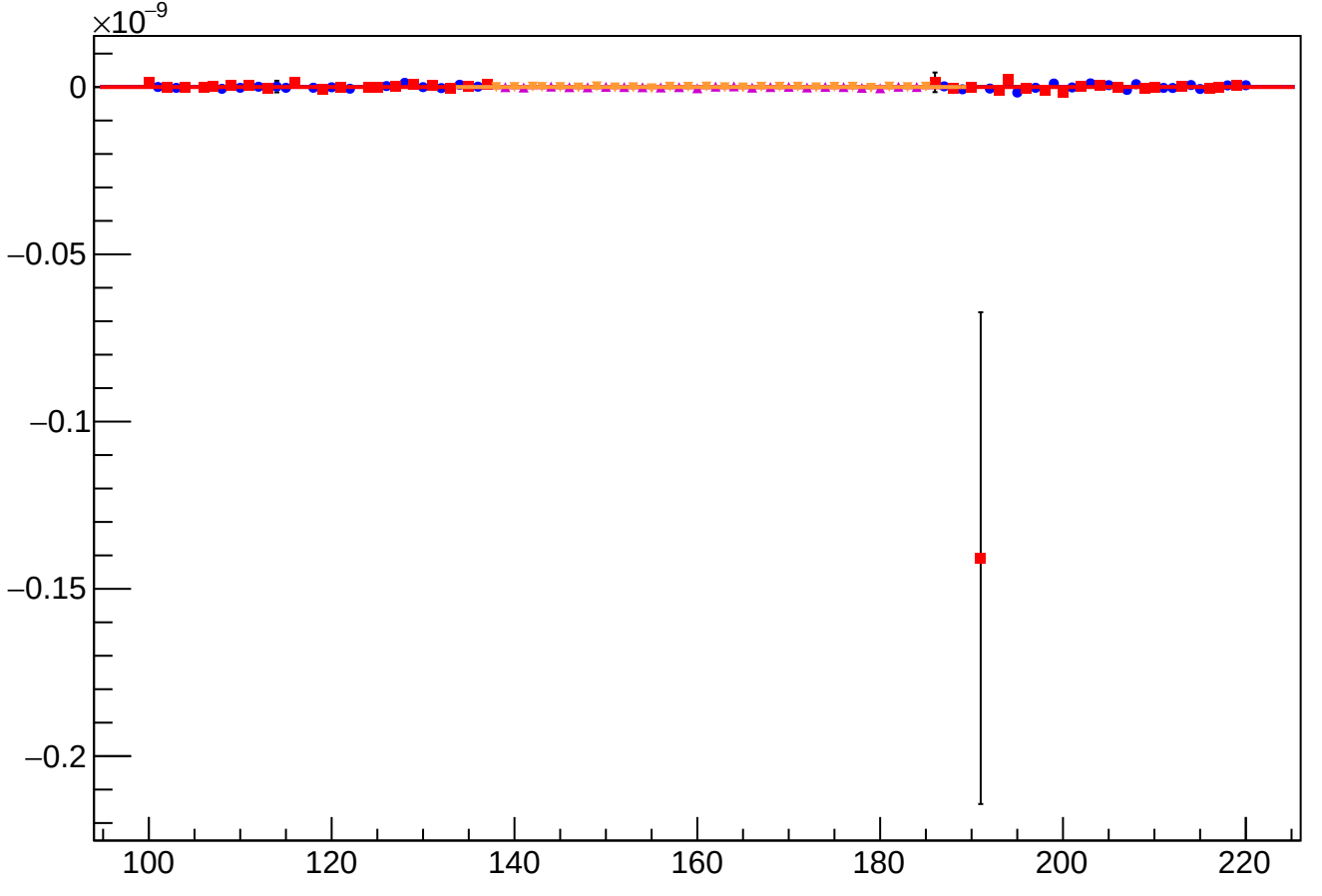
Right Out: 4379.389+/-0.703 χ^2/NDF: 3606284.1/36

Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4701.282+/-0.541 χ^2/NDF: 4682096.0/57

All: 4717.607+/-0.386 χ^2/NDF: 9972127.5/11

- sign 4734.604+/-0.552 χ^2/NDF: 5288172.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 40.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

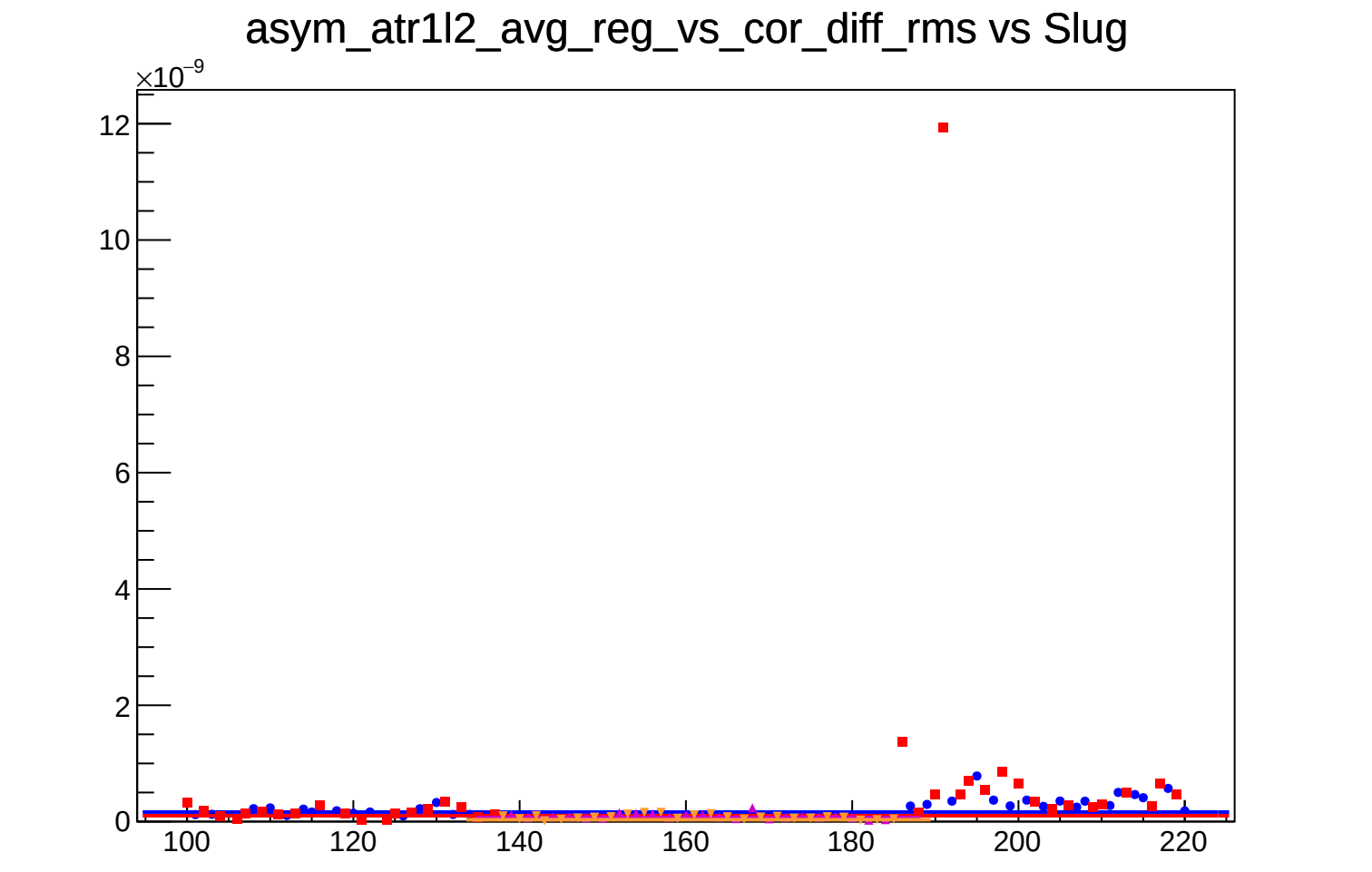
Right Out: 0.000+/-0.000 χ^2/NDF: 42.0/36

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.1/57

All: 0.000+/-0.000 χ^2/NDF: 121.1/117

- sign 0.000+/-0.000 χ^2/NDF: 64.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 4685779.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9361354.3/36

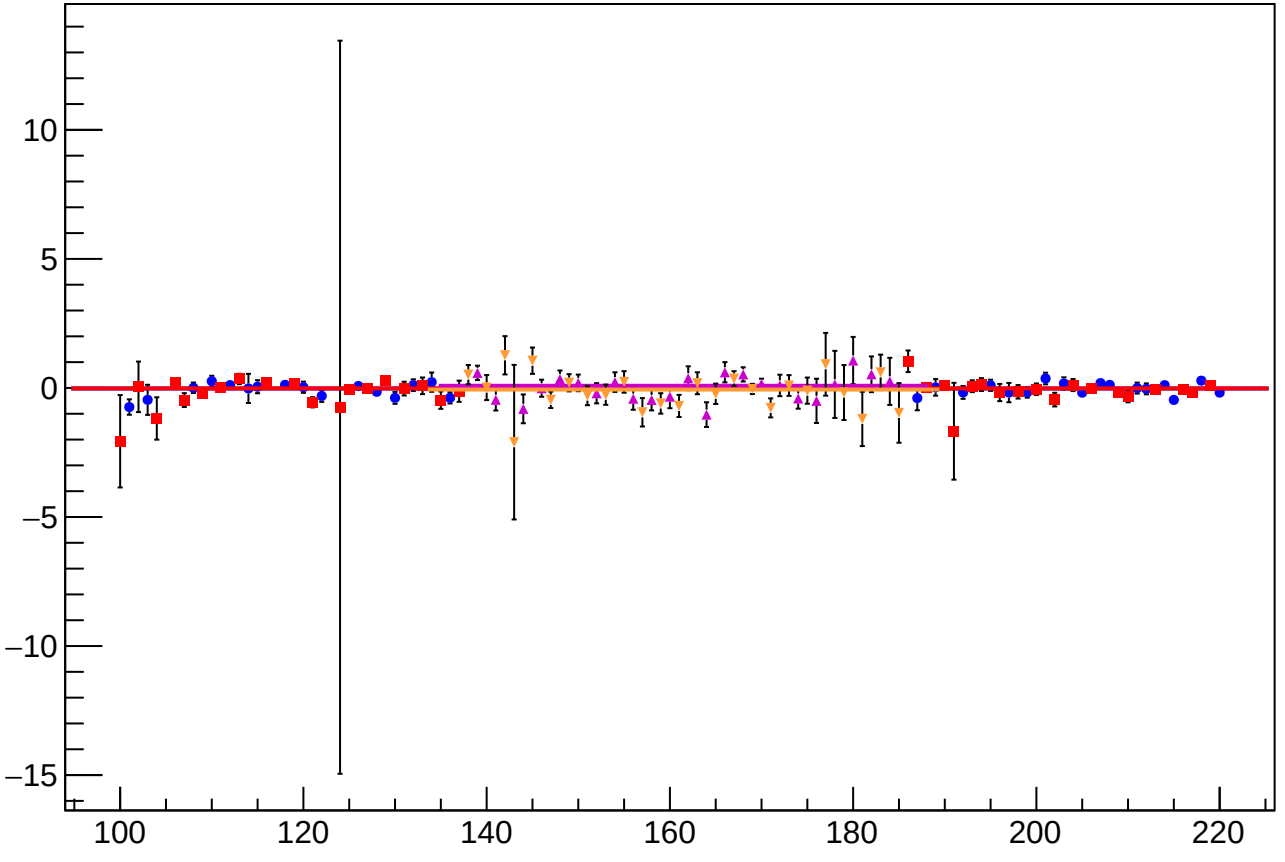
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 18432684.8/57

All: 0.000+/-0.000 χ^2/NDF: 33615023.4/117

- sign 0.000+/-0.000 χ^2/NDF: 12495198.2/59

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.034 χ^2/NDF: 44.0/32

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.033 χ^2/NDF: 45.6/36

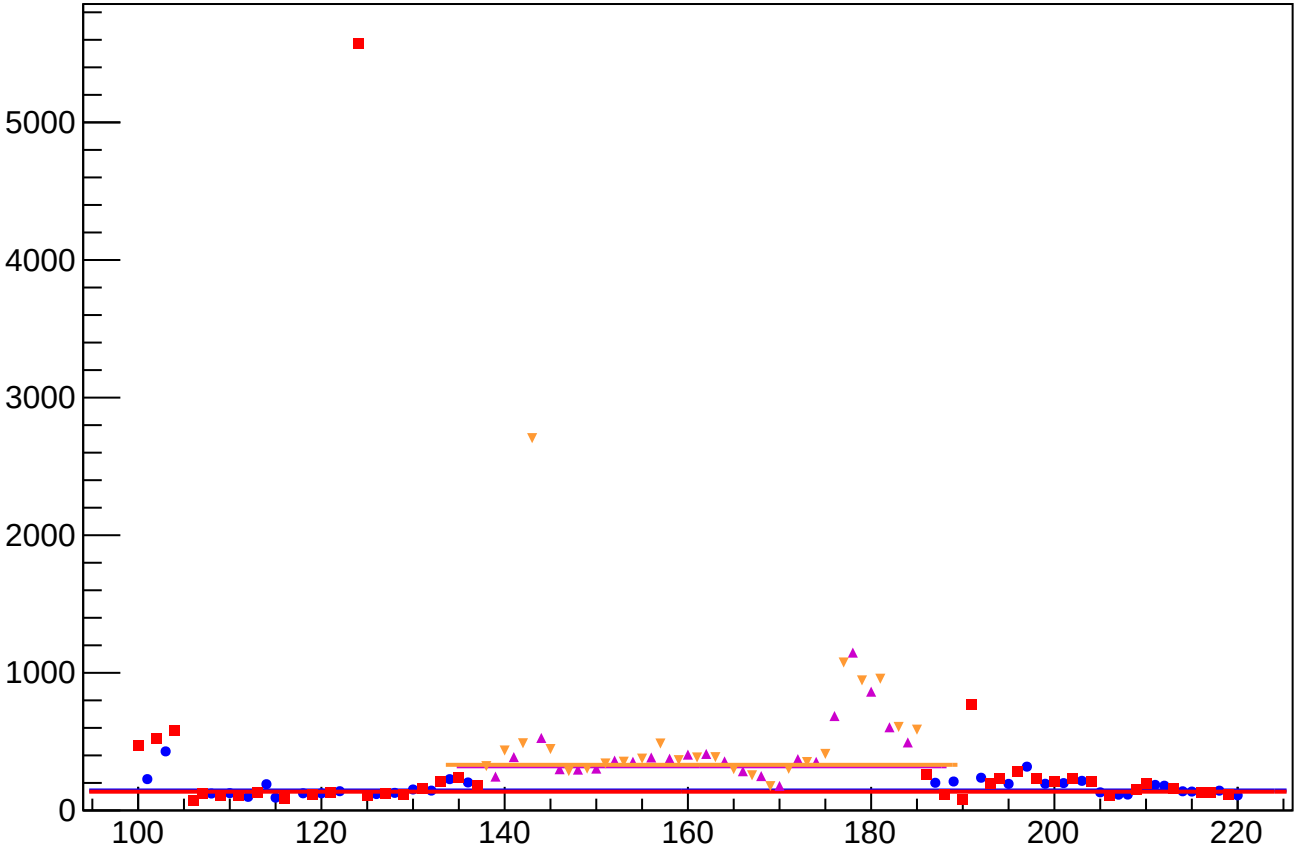
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.027+/-0.032 χ^2/NDF: 74.9/57

All: -0.015+/-0.022 χ^2/NDF: 149.1/117

- sign -0.003+/-0.031 χ^2/NDF: 73.9/59

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 145.195+/-0.024 χ^2/NDF: 3153054.8/32

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 136.390+/-0.023 χ^2/NDF: 5143838.1/36

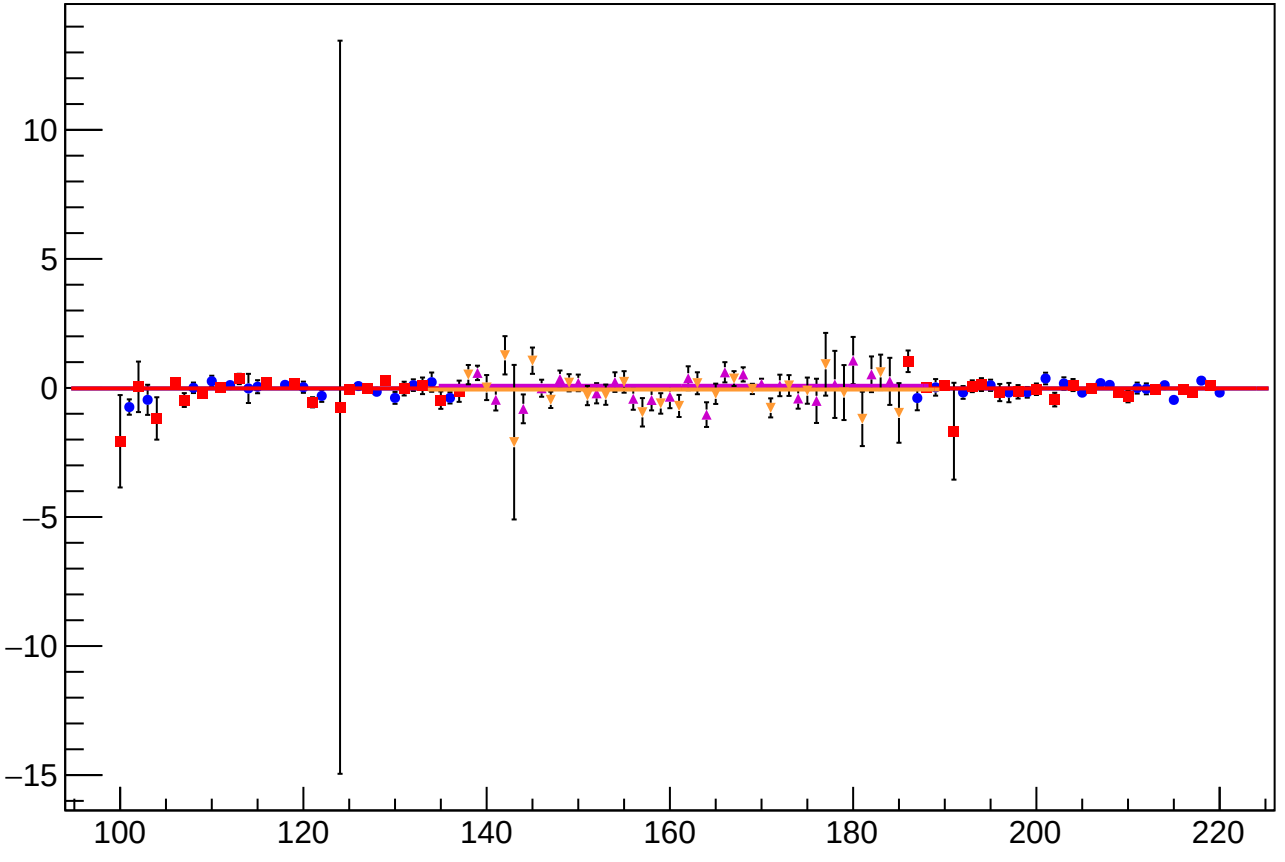
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 172.253+/-0.023 χ^2/NDF: 17477468.8/57

All: 167.372+/-0.016 χ^2/NDF: 35802020.8/11

- sign 162.837+/-0.022 χ^2/NDF: 18234136.8/59

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.021+/-0.034 χ^2/NDF: 44.0/32

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.033 χ^2/NDF: 45.6/36

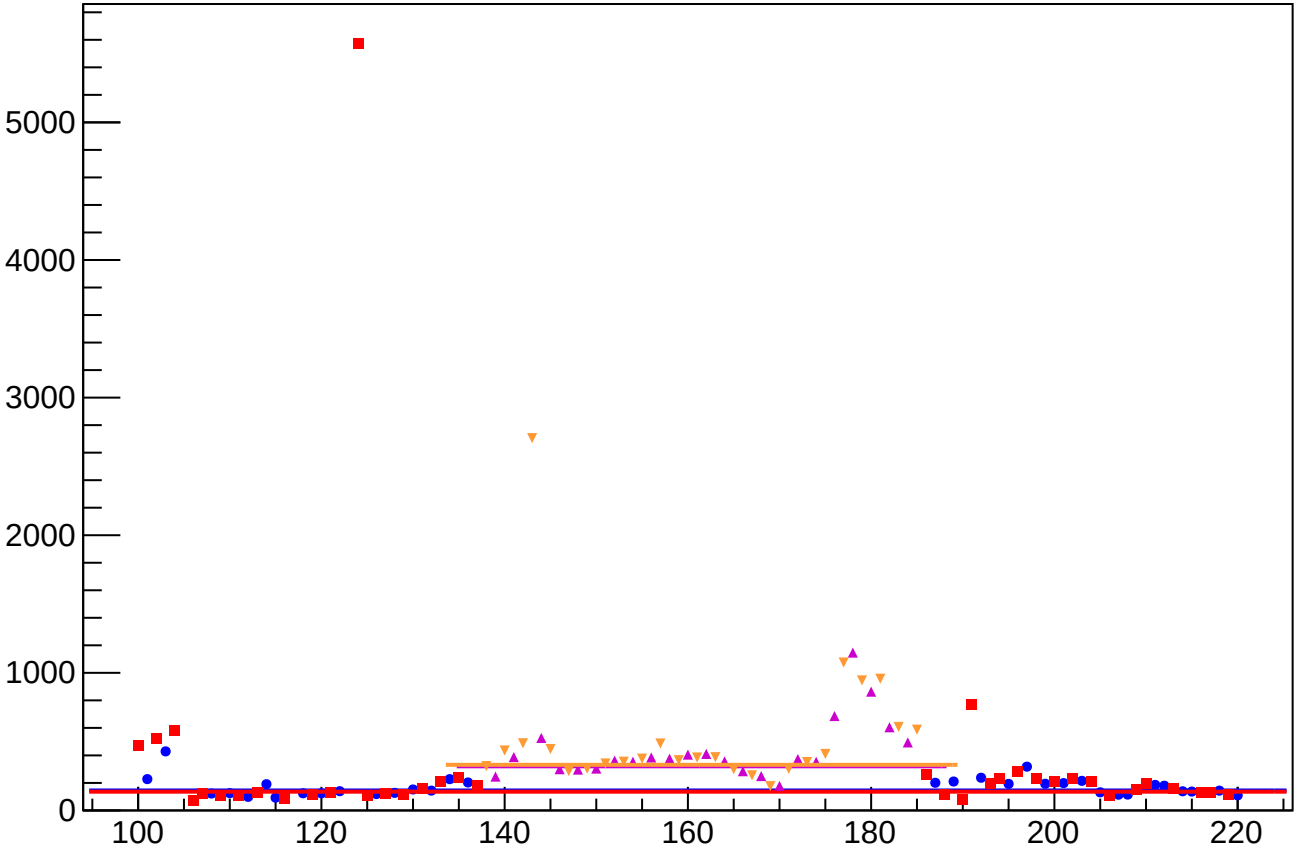
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.027+/-0.032 χ^2/NDF: 74.9/57

All: -0.015+/-0.022 χ^2/NDF: 149.1/117

- sign -0.003+/-0.031 χ^2/NDF: 73.9/59

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 145.195+/-0.024 χ^2/NDF: 3153054.8/32

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

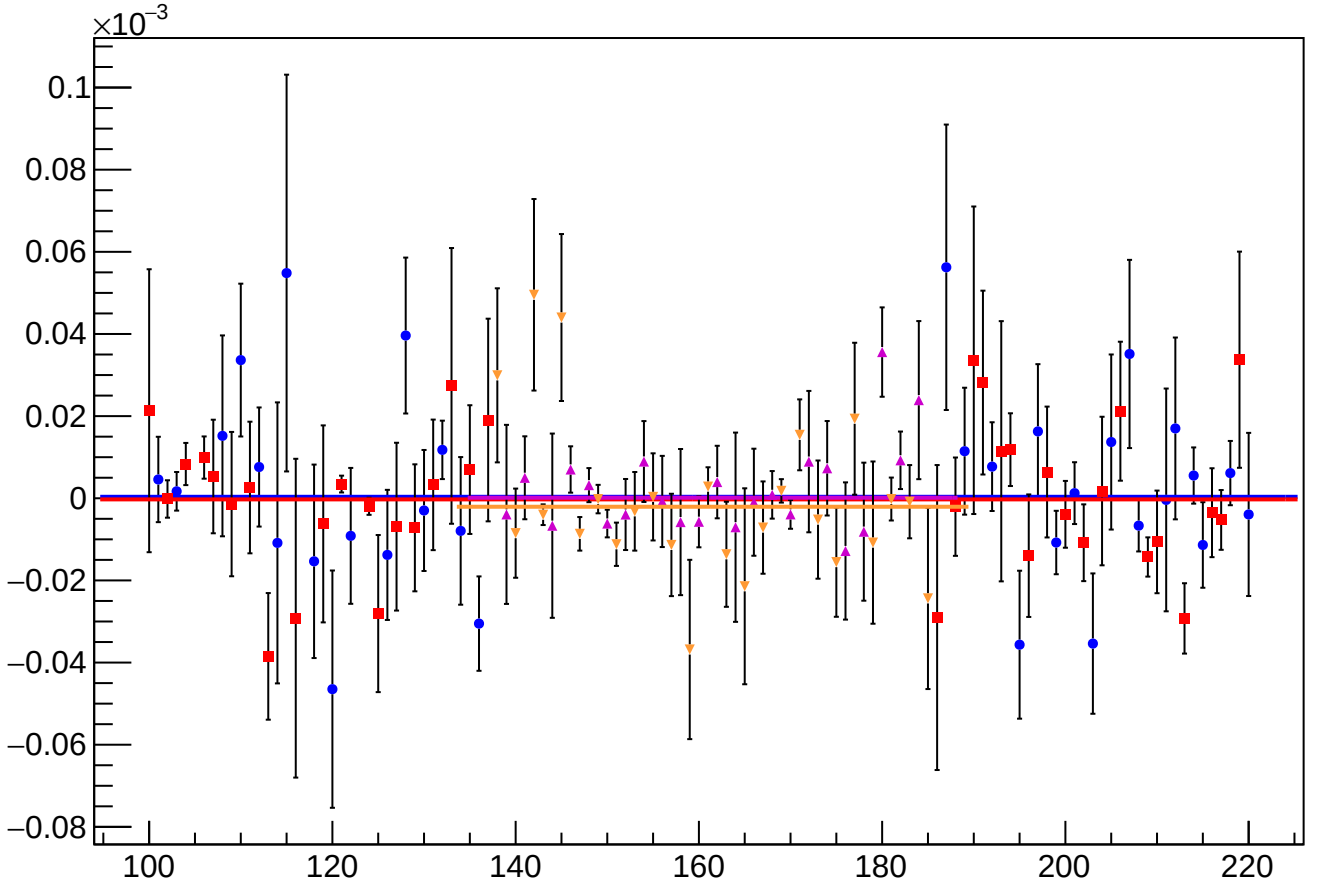
Right Out: 136.390+/-0.023 χ^2/NDF: 5143838.1/36

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 172.253+/-0.023 χ^2/NDF: 17477468.8/57

All: 167.372+/-0.016 χ^2/NDF: 35802020.8/11

- sign 162.837+/-0.022 χ^2/NDF: 18234136.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 45.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

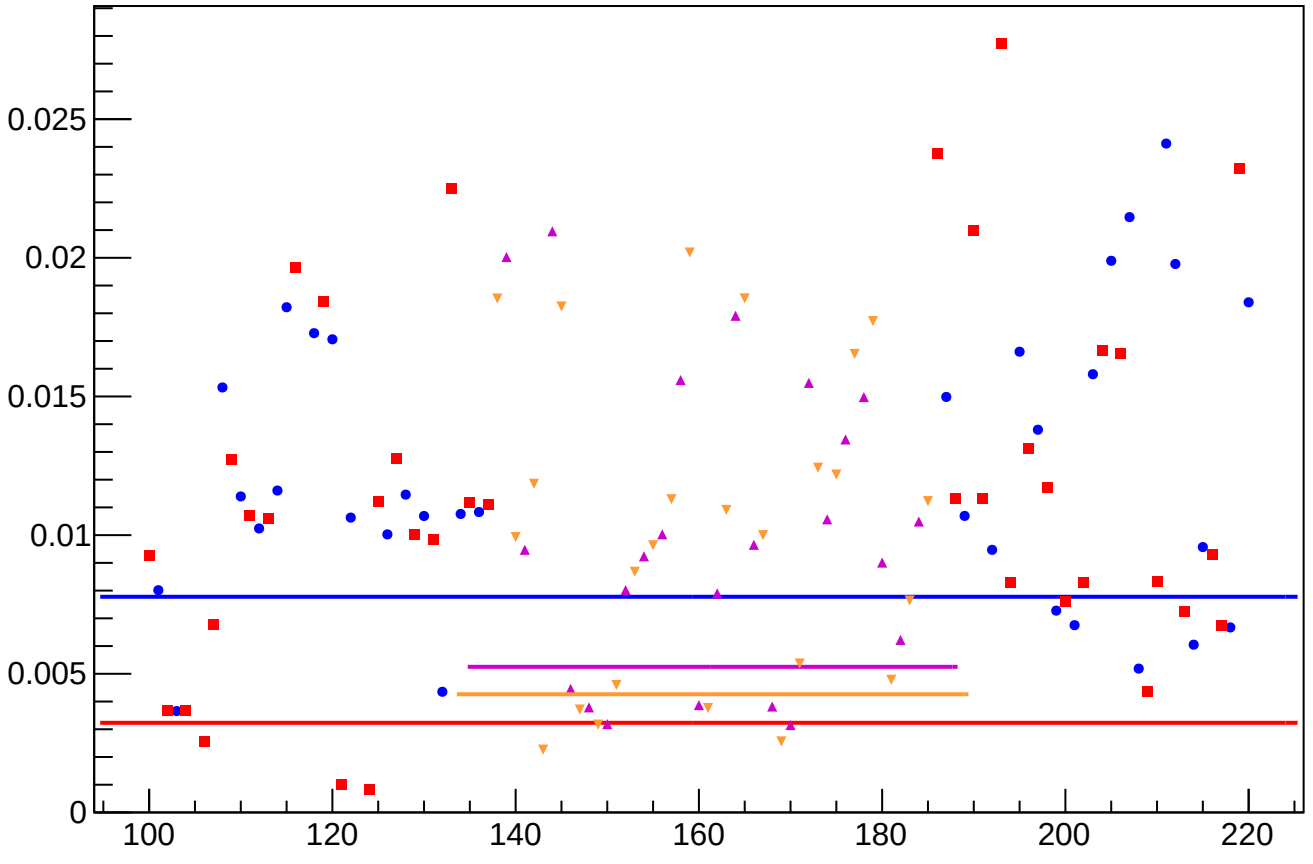
Right Out: -0.000+/-0.000 χ^2/NDF: 54.2/36

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.8/57

All: -0.000+/-0.000 χ^2/NDF: 161.7/117

- sign -0.000+/-0.000 χ^2/NDF: 79.1/59



Right In: 0.008+/-0.000 χ^2/NDF: 8685113.1/32

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 23011104.6/36

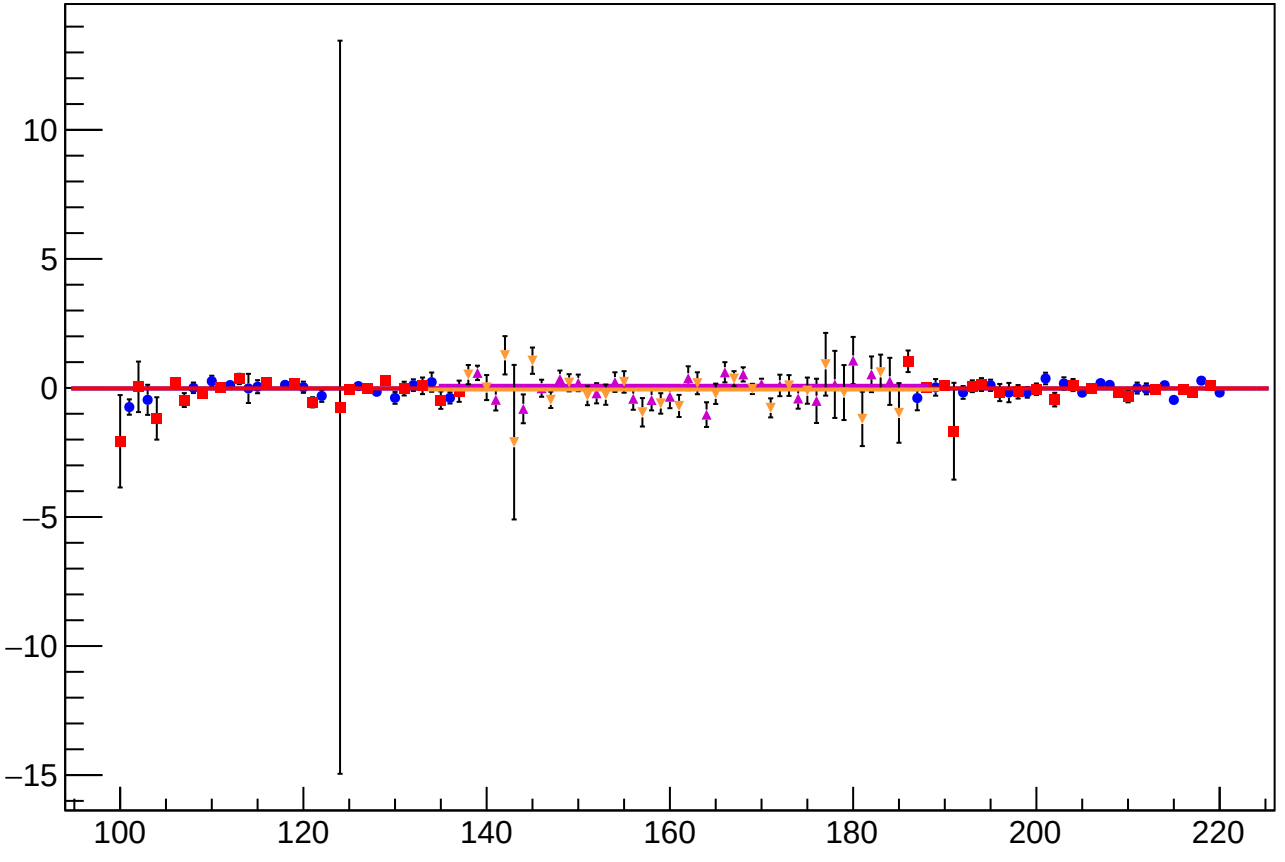
Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 26158477.8/57

All: 0.005+/-0.000 χ^2/NDF: 62761298.2/117

- sign 0.004+/-0.000 χ^2/NDF: 34827127.7/59

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.021+/-0.034 χ^2/NDF: 44.0/32

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: -0.018+/-0.033 χ^2/NDF: 45.6/36

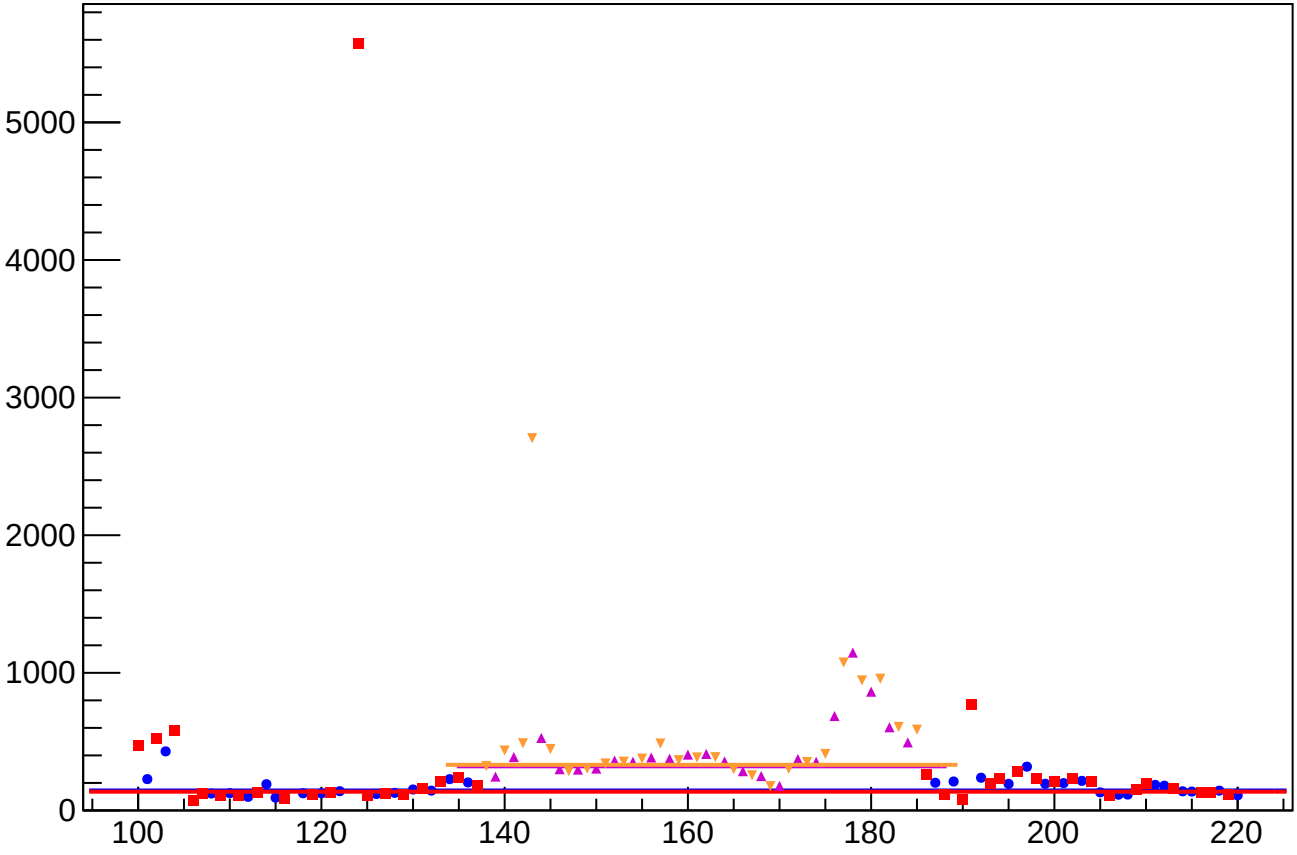
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.027+/-0.032 χ^2/NDF: 74.9/57

All: -0.015+/-0.022 χ^2/NDF: 149.1/117

- sign -0.003+/-0.031 χ^2/NDF: 73.9/59

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 145.195+/-0.024 χ^2/NDF: 3153067.7/32

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

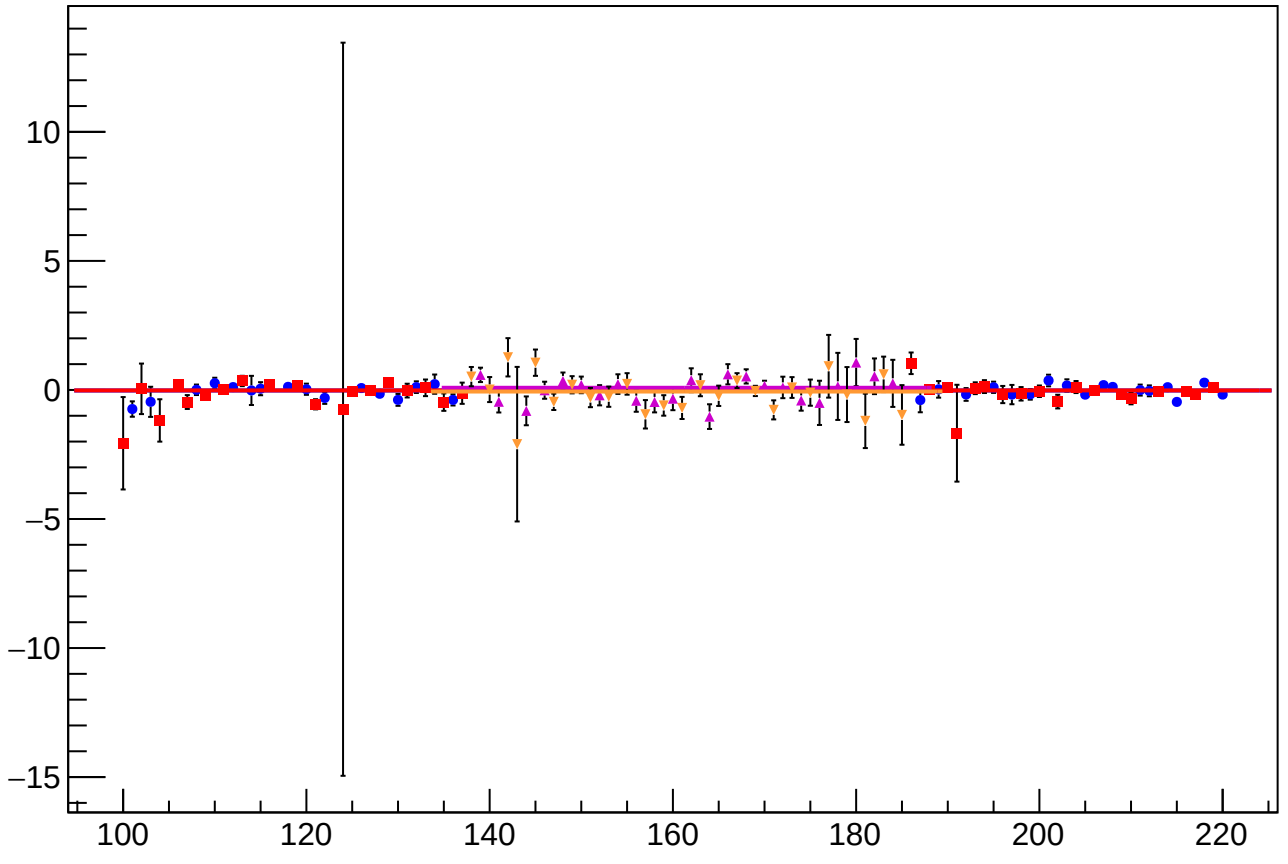
Right Out: 136.389+/-0.023 χ^2/NDF: 5143895.4/36

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 172.252+/-0.023 χ^2/NDF: 17477641.2/57

All: 167.371+/-0.016 χ^2/NDF: 35802550.1/11

- sign 162.835+/-0.022 χ^2/NDF: 18234470.7/59



Right In: -0.021+/-0.034 χ^2/NDF: 44.0/32

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

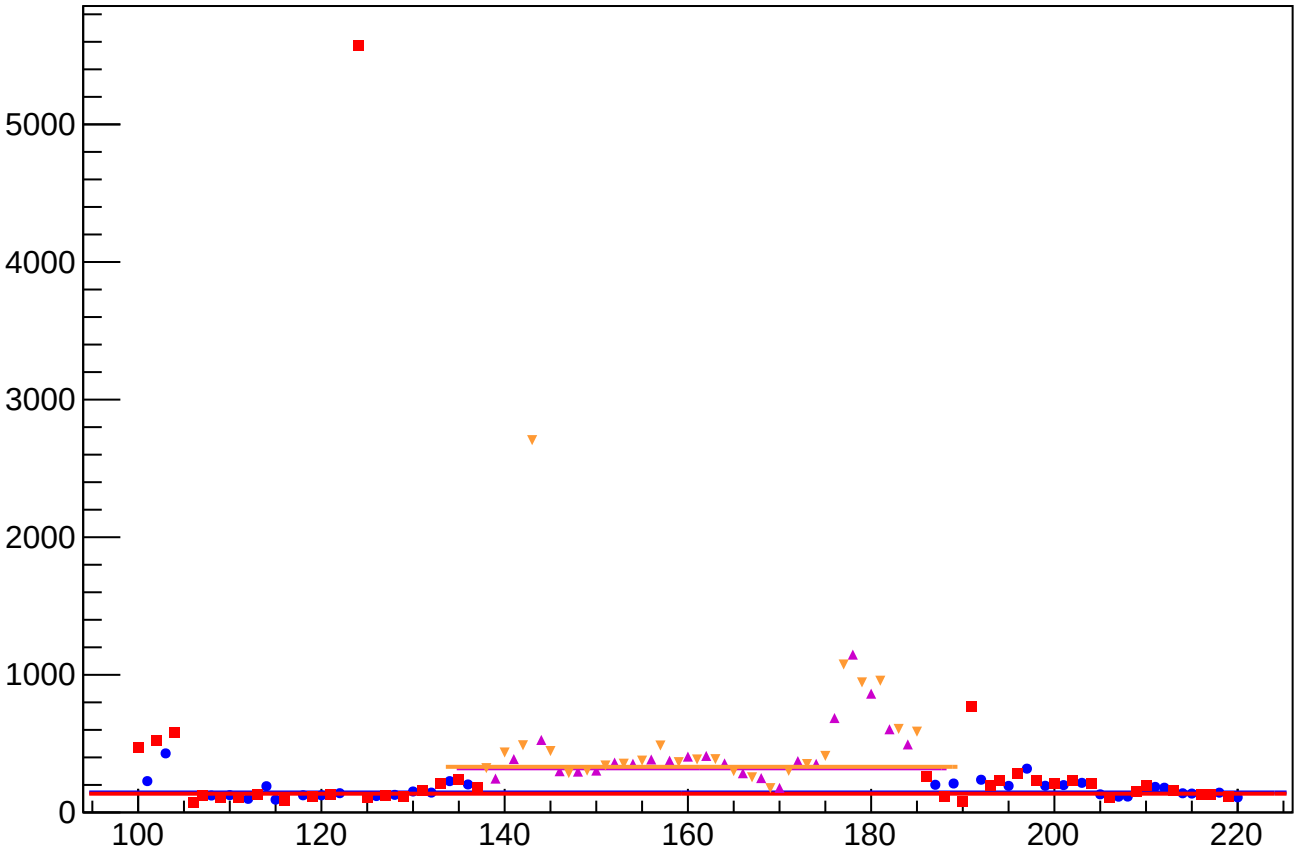
Right Out: -0.018+/-0.033 χ^2/NDF: 45.6/36

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.027+/-0.032 χ^2/NDF: 74.9/57

All: -0.015+/-0.022 χ^2/NDF: 149.1/117

- sign -0.003+/-0.031 χ^2/NDF: 73.9/59



Right In: 145.195+/-0.024 χ^2/NDF: 3153067.7/32

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

Right Out: 136.389+/-0.023 χ^2/NDF: 5143895.4/36

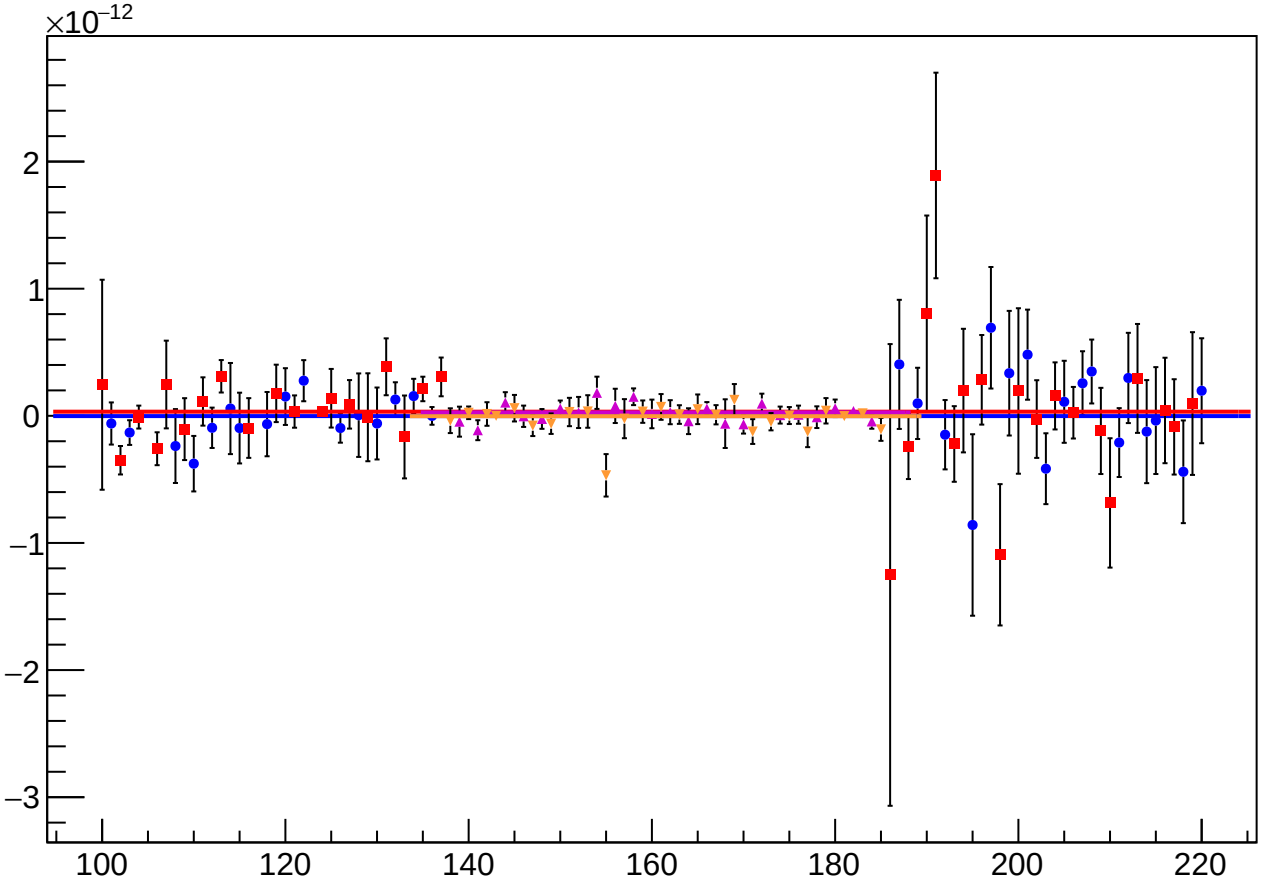
Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 172.252+/-0.023 χ^2/NDF: 17477641.2/57

All: 167.371+/-0.016 χ^2/NDF: 35802550.1/11

- sign 162.835+/-0.022 χ^2/NDF: 18234470.7/59

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/32

Left Out: -0.000+/-0.000 χ^2/NDF:17.0/24

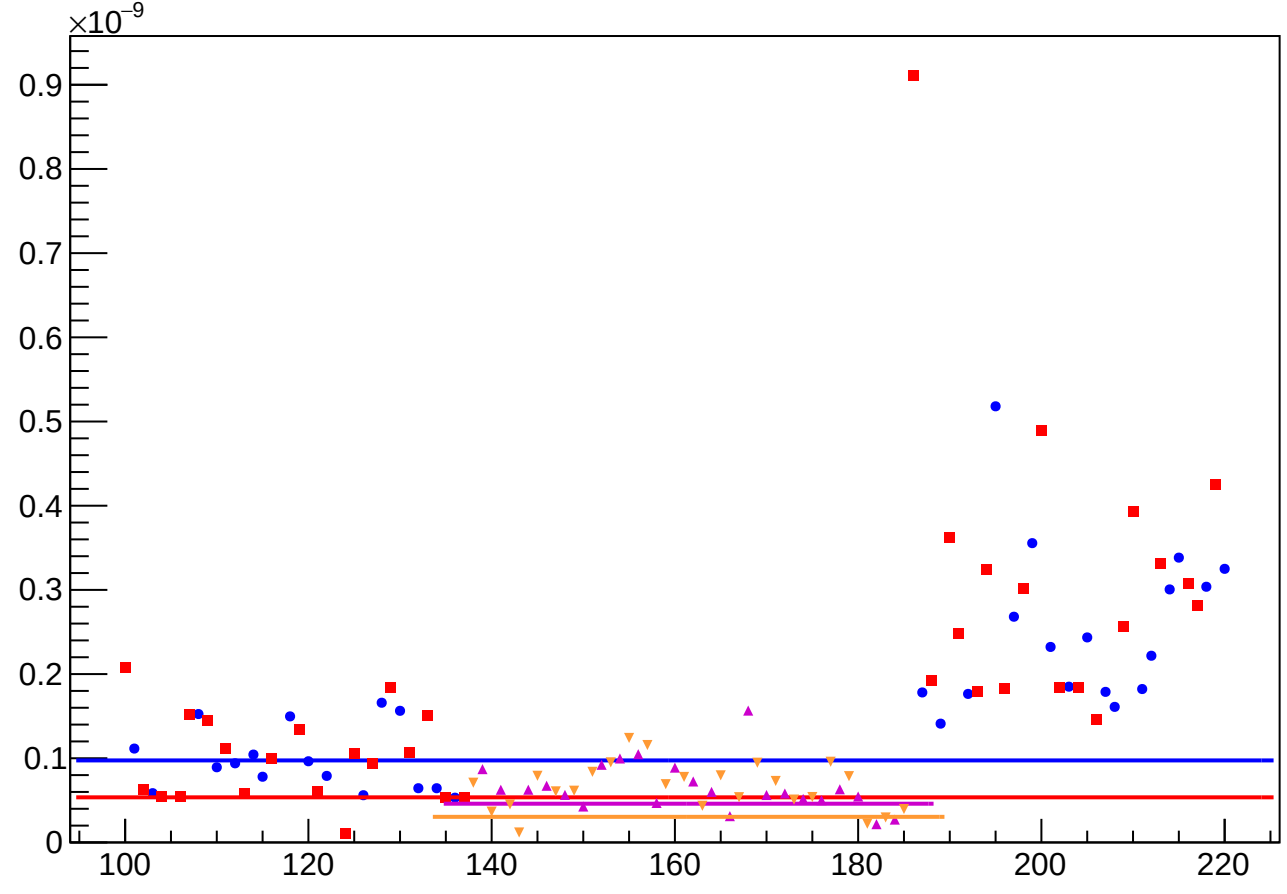
Right Out: 0.000+/-0.000 χ^2/NDF: 49.5/36

Left In: 0.000+/-0.000 χ^2/NDF:16.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.5/57

All: 0.000+/-0.000 χ^2/NDF: 113.9/117

- sign 0.000+/-0.000 χ^2/NDF: 65.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 7743478.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15043717.8/36

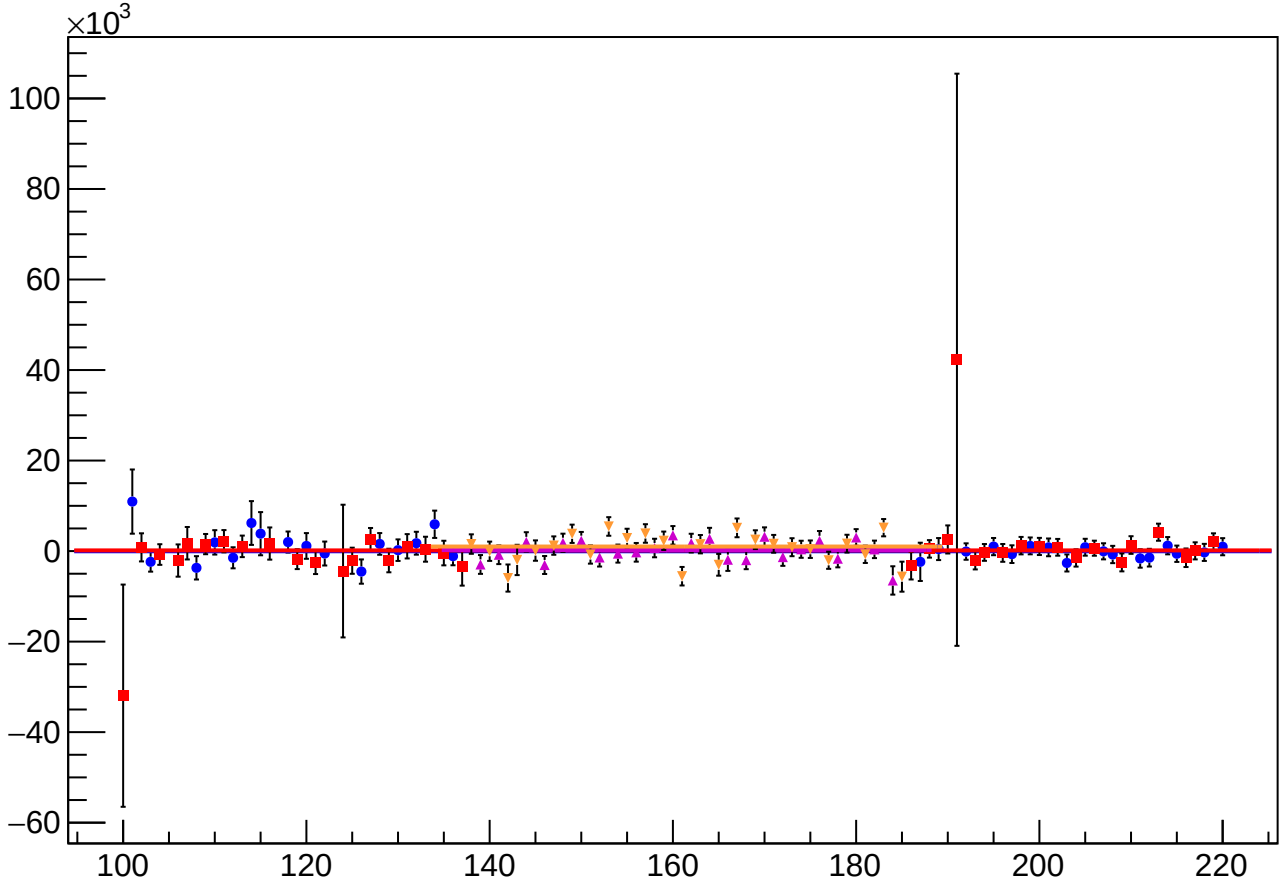
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 25353938.0/57

All: 0.000+/-0.000 χ^2/NDF: 46442211.9/117

- sign 0.000+/-0.000 χ^2/NDF: 20085983.9/59

reg_asym_atr1l2_dd_mean vs Slug



Right In: -39.575+/-387.280 χ^2/NDF: 23.3/32

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: 150.930+/-387.153 χ^2/NDF: 22.5/36

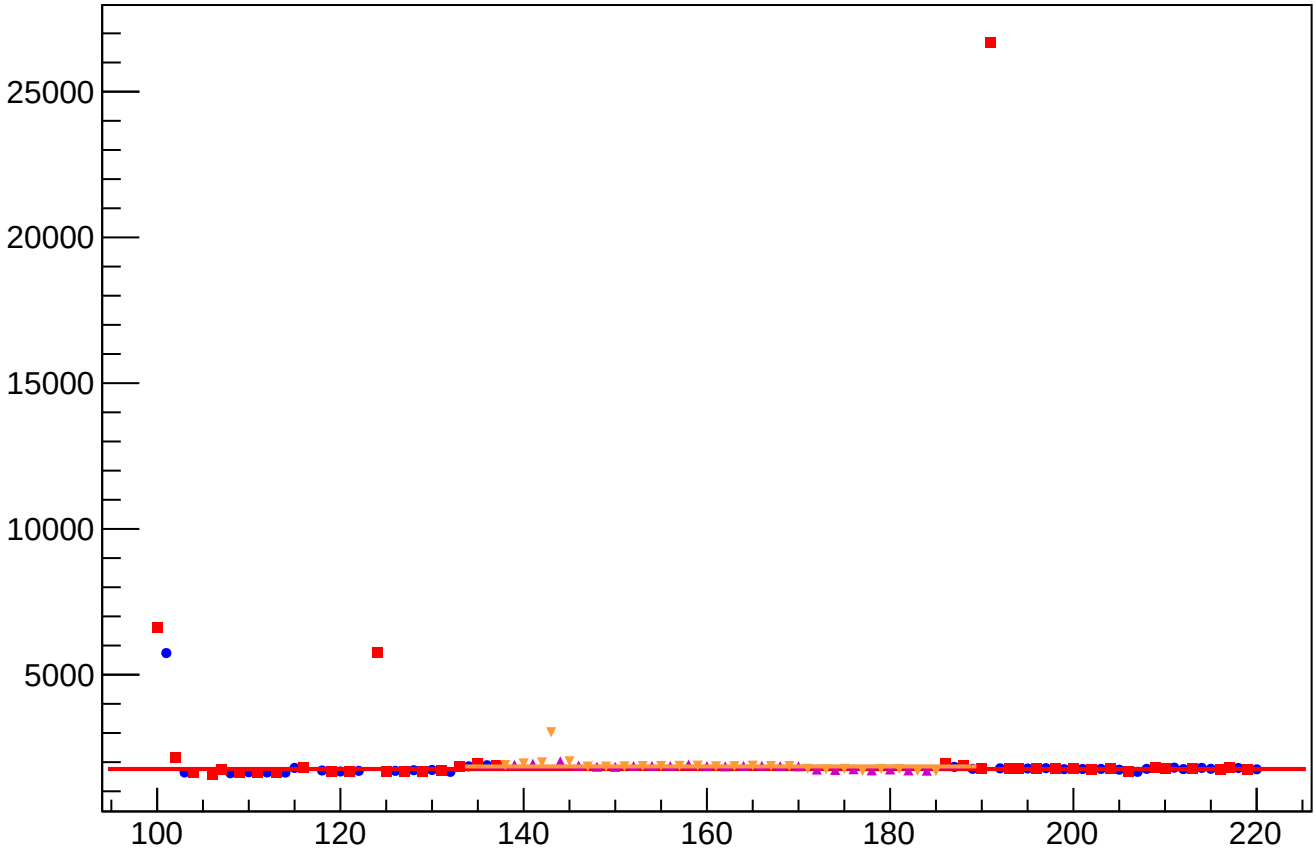
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 436.885+/-285.514 χ^2/NDF: 74.0/57

All: 312.394+/-202.632 χ^2/NDF: 123.2/117

- sign 186.053+/-287.627 χ^2/NDF: 48.9/59

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1762.337+/-0.274 χ^2/NDF: 681051.2/32

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1767.423+/-0.273 χ^2/NDF: 647268.7/36

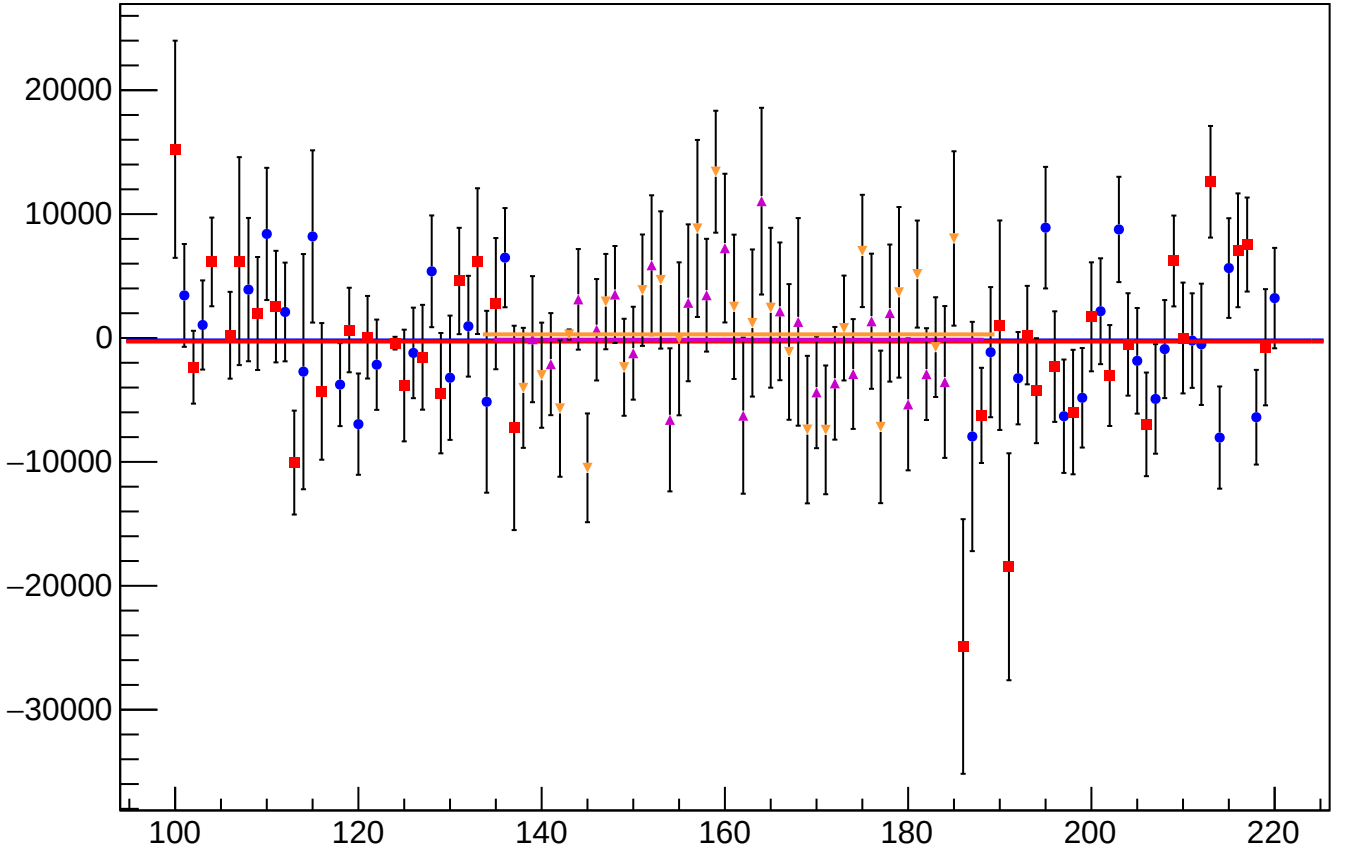
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1803.511+/-0.202 χ^2/NDF: 1051611.8/57

All: 1801.364+/-0.143 χ^2/NDF: 1797883.5/11

- sign 1799.191+/-0.203 χ^2/NDF: 746044.1/59

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: -197.003+/-758.857 χ^2/NDF: 38.4/32

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -284.591+/-420.925 χ^2/NDF: 55.1/36

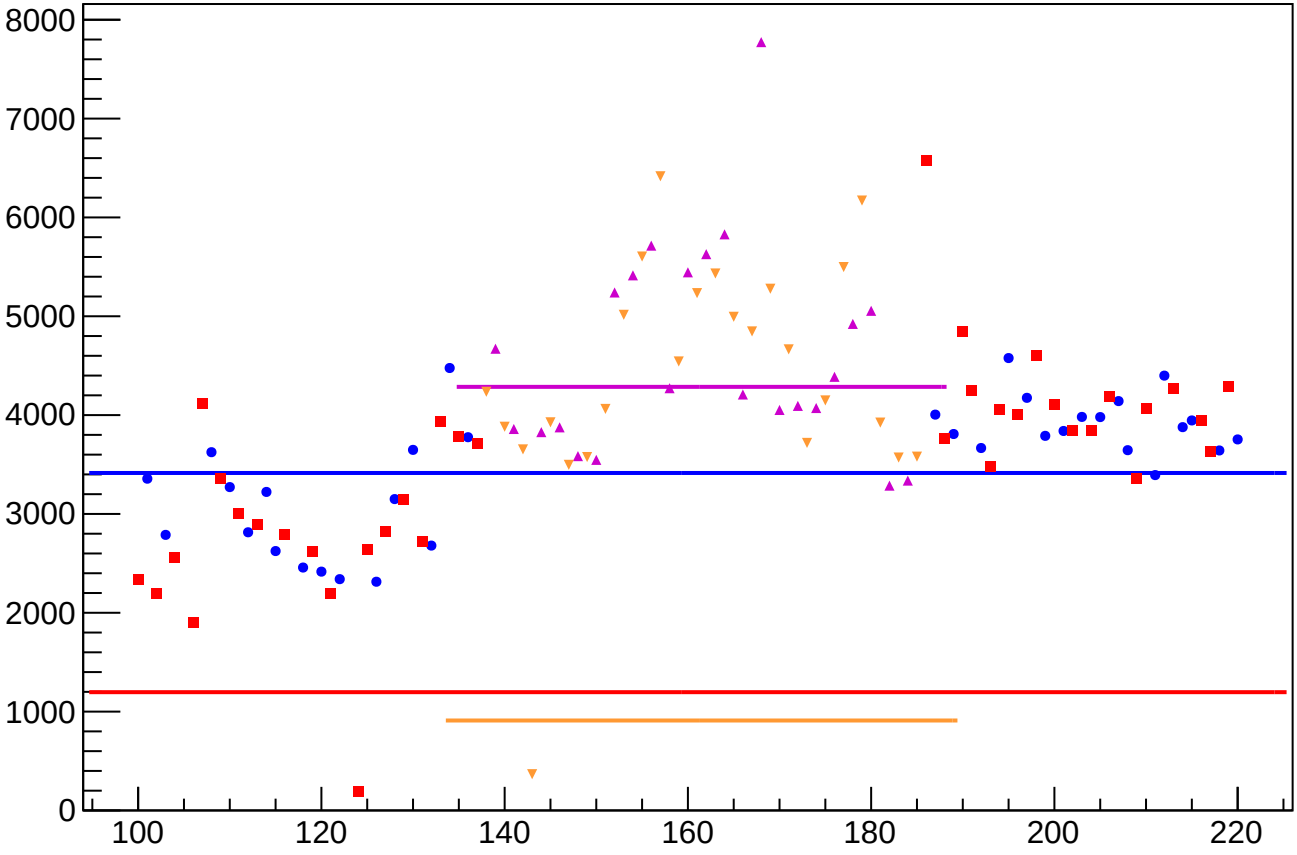
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 195.920+/-339.724 χ^2/NDF: 68.7/57

All: -2.678+/-255.954 χ^2/NDF: 138.6/117

- sign -263.415+/-389.259 χ^2/NDF: 69.0/59

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3414.537+/-0.537 χ^2/NDF: 1437037.1/32

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1196.710+/-0.298 χ^2/NDF: 26359722.3/36

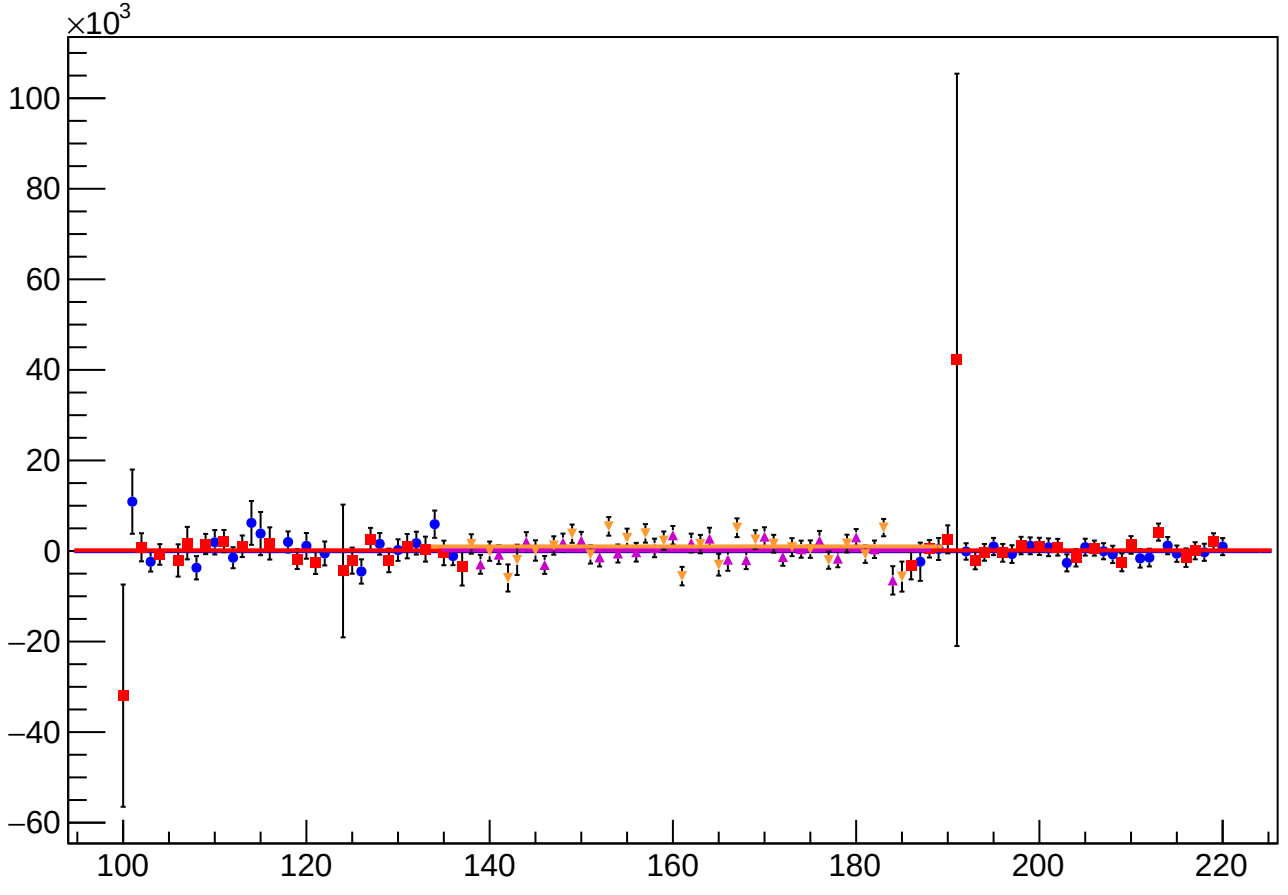
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1412.058+/-0.240 χ^2/NDF: 45628529.6/57

All: 1512.350+/-0.181 χ^2/NDF: 89317242.7/1

- sign 1644.022+/-0.275 χ^2/NDF: 43285564.5/59

cor_asym_atr1l2_dd_mean vs Slug



Right In: -39.741+/-387.280 χ^2/NDF: 23.3/32

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 150.930+/-387.153 χ^2/NDF: 22.5/36

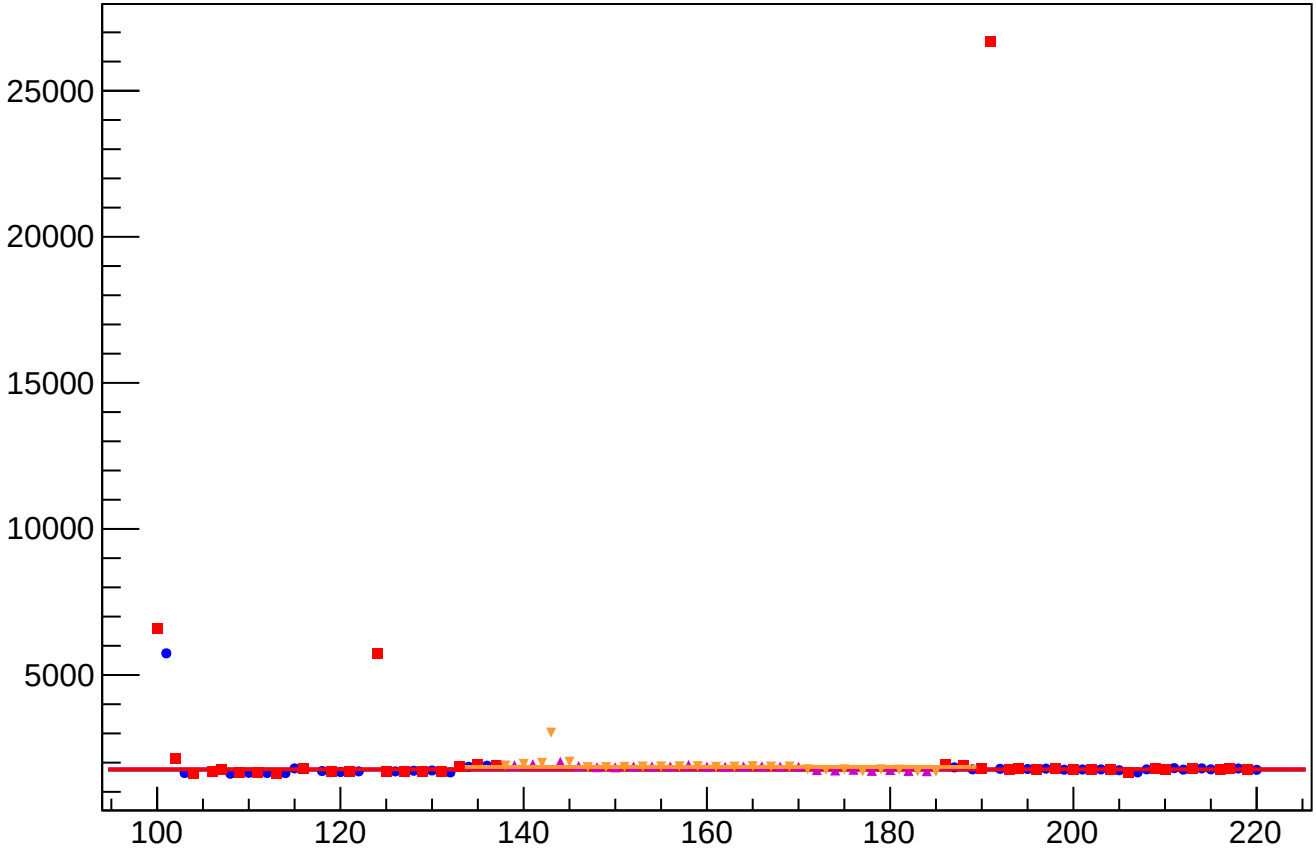
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 436.776+/-285.514 χ^2/NDF: 73.9/57

All: 312.320+/-202.632 χ^2/NDF: 123.2/117

- sign 186.016+/-287.627 χ^2/NDF: 48.9/59

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1762.337+/-0.274 χ^2/NDF: 681051.4/32

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1769.845+/-0.273 χ^2/NDF: 639039.8/36

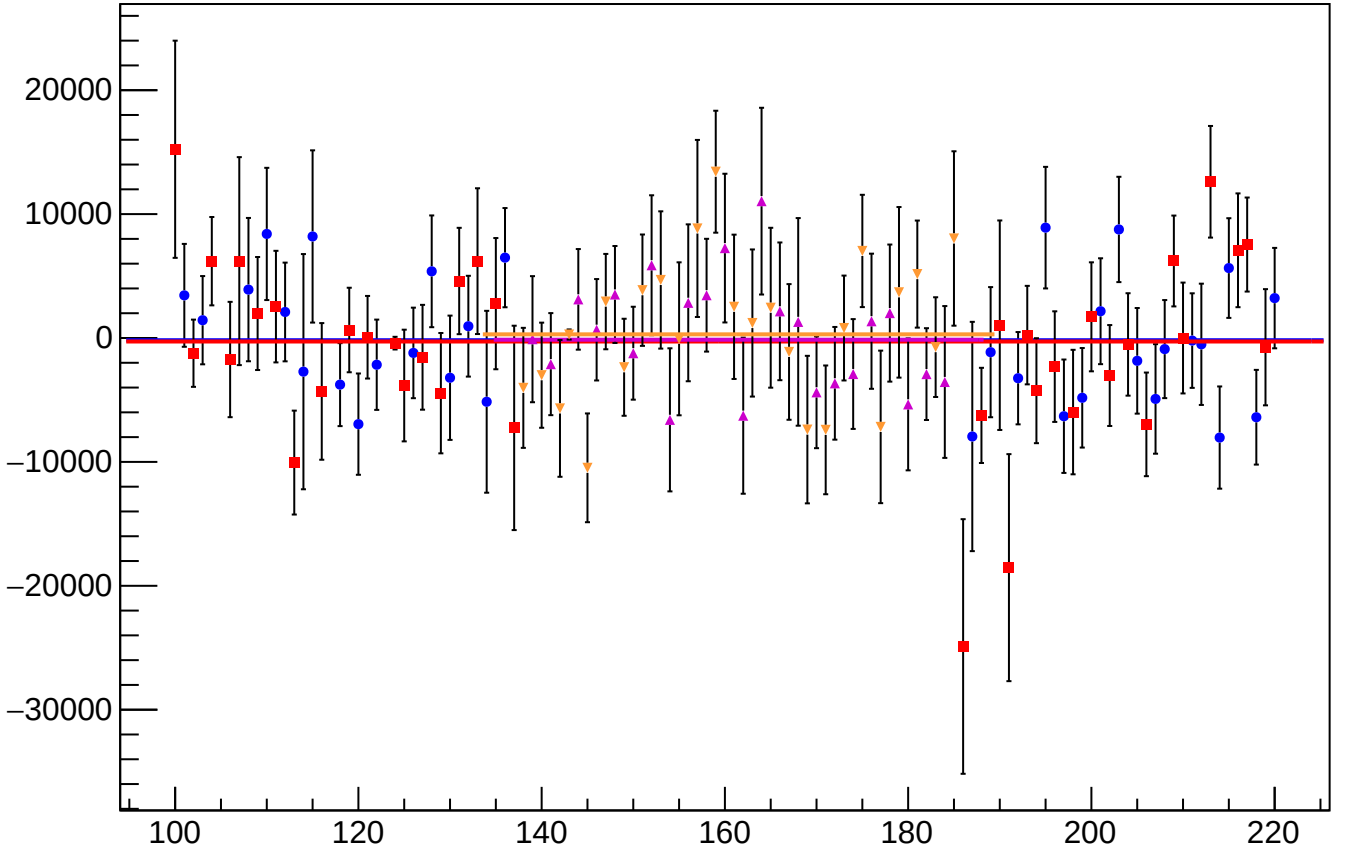
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1803.511+/-0.202 χ^2/NDF: 1051612.1/57

All: 1802.052+/-0.143 χ^2/NDF: 1787471.4/11

- sign 1800.574+/-0.203 χ^2/NDF: 735754.2/59

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: -178.328+/-758.516 χ^2/NDF: 38.5/32

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -282.548+/-421.635 χ^2/NDF: 54.9/36

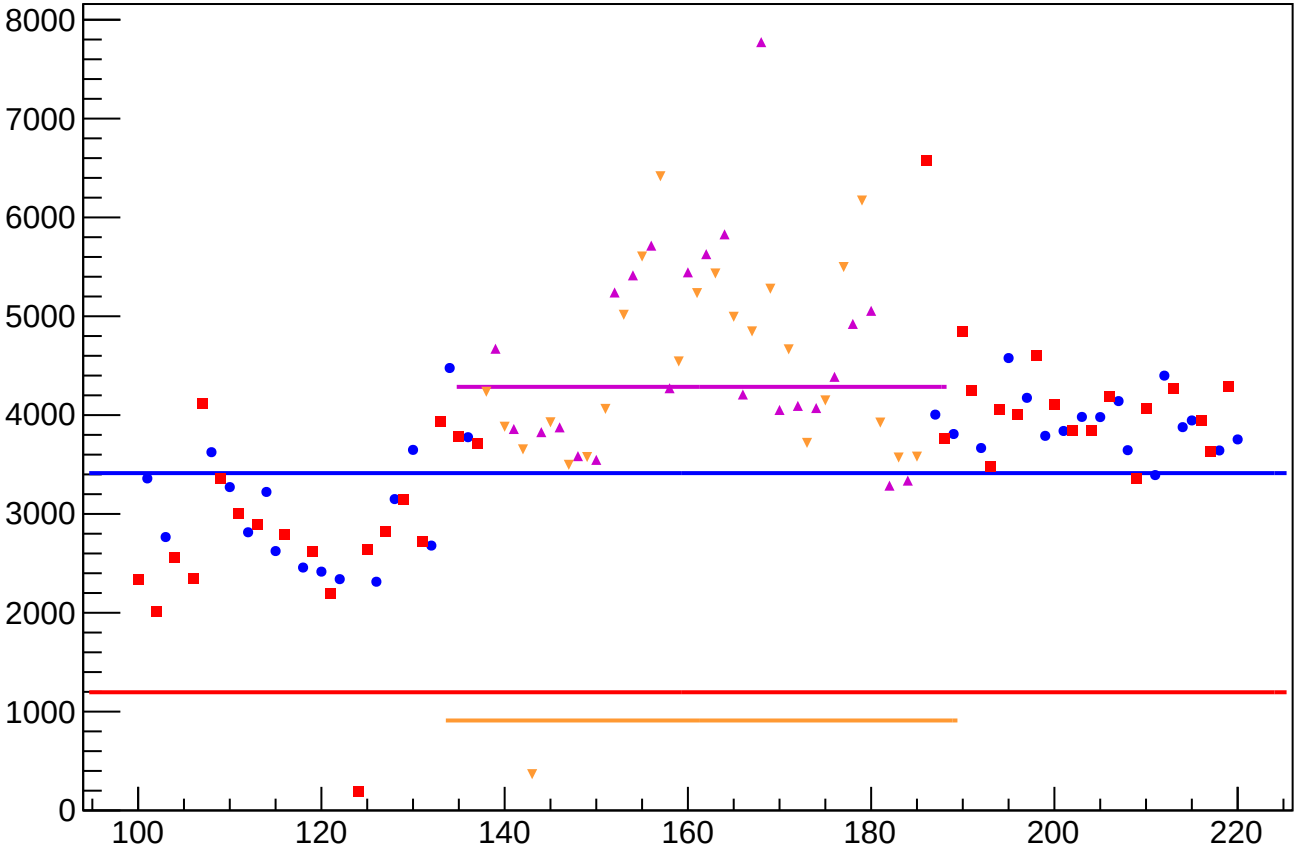
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 200.304+/-339.714 χ^2/NDF: 68.8/57

All: 0.929+/-256.109 χ^2/NDF: 138.5/117

- sign -261.597+/-389.820 χ^2/NDF: 68.8/59

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3413.032+/-0.536 χ^2/NDF: 1442706.7/32

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1195.839+/-0.298 χ^2/NDF: 26336480.0/36

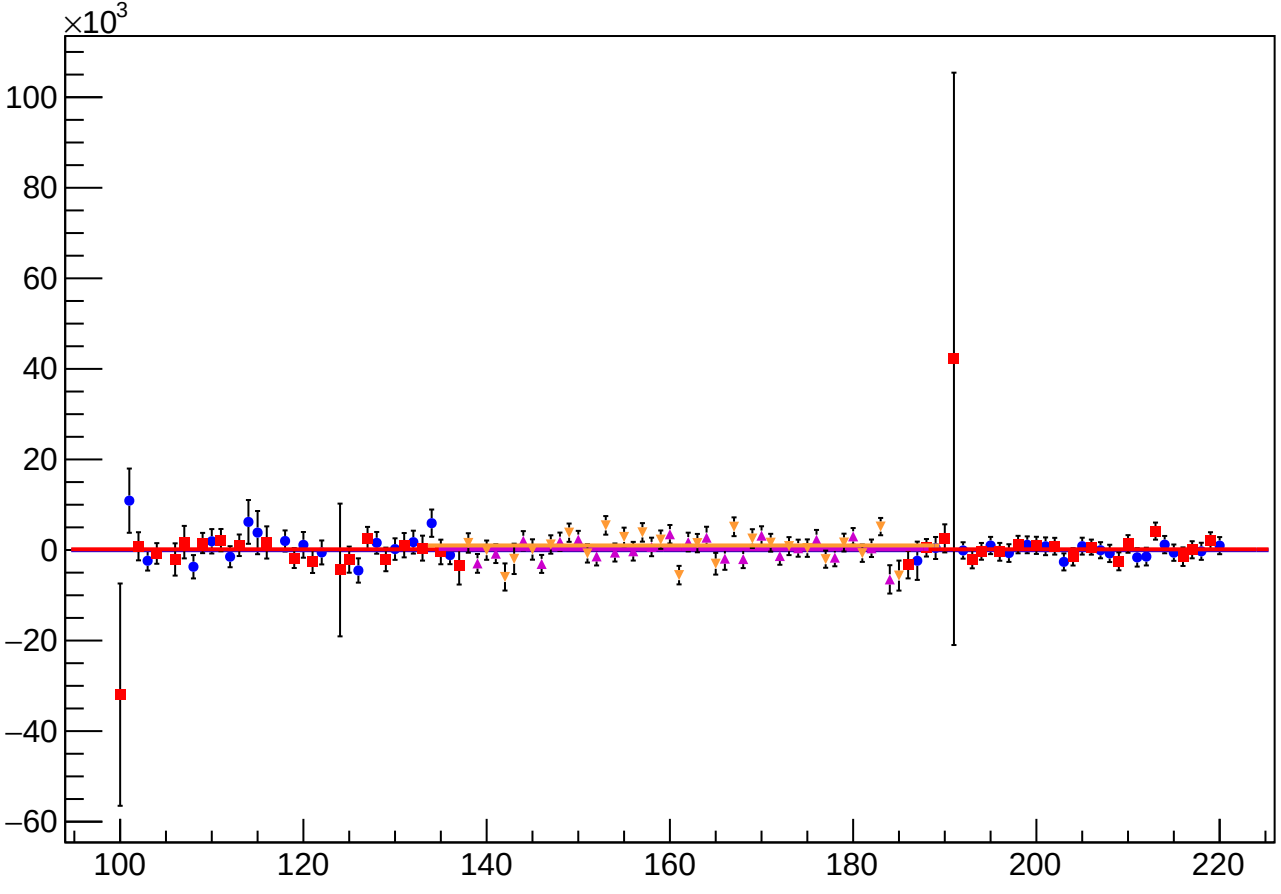
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1412.273+/-0.240 χ^2/NDF: 45622420.3/57

All: 1512.541+/-0.181 χ^2/NDF: 89289530.7/1

- sign 1644.568+/-0.276 χ^2/NDF: 43263458.5/59

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: -39.741+/-387.280 χ^2/NDF: 23.3/32

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: 150.930+/-387.153 χ^2/NDF: 22.5/36

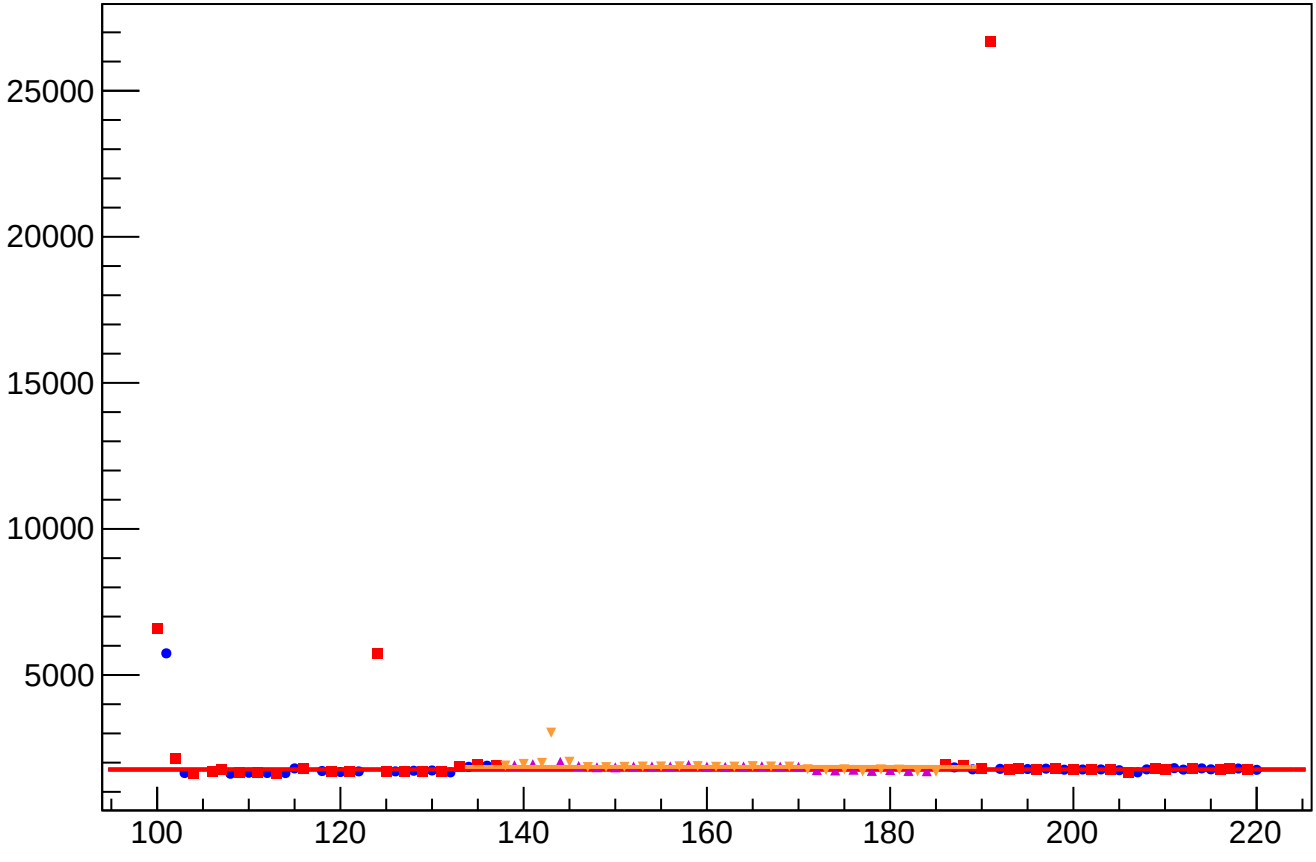
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 436.776+/-285.514 χ^2/NDF: 73.9/57

All: 312.320+/-202.632 χ^2/NDF: 123.2/117

- sign 186.016+/-287.627 χ^2/NDF: 48.9/59

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1762.337+/-0.274 χ^2/NDF: 681051.4/32

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

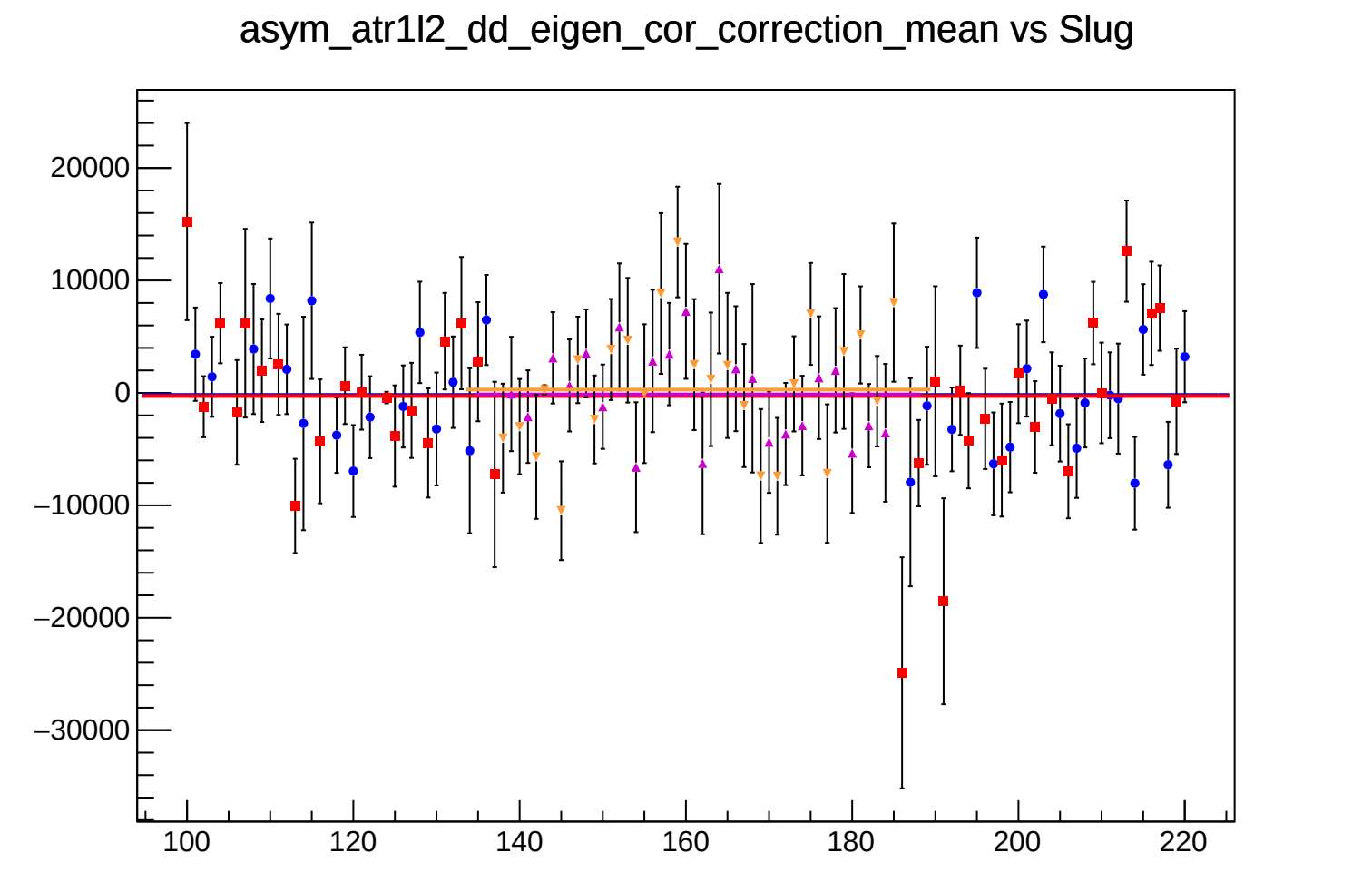
Right Out: 1769.845+/-0.273 χ^2/NDF: 639039.8/36

Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1803.511+/-0.202 χ^2/NDF: 1051612.1/57

All: 1802.052+/-0.143 χ^2/NDF: 1787471.4/11

- sign 1800.574+/-0.203 χ^2/NDF: 735754.2/59



Right In: -178.328+/-758.516 χ^2/NDF: 38.5/32

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -282.548+/-421.635 χ^2/NDF: 54.9/36

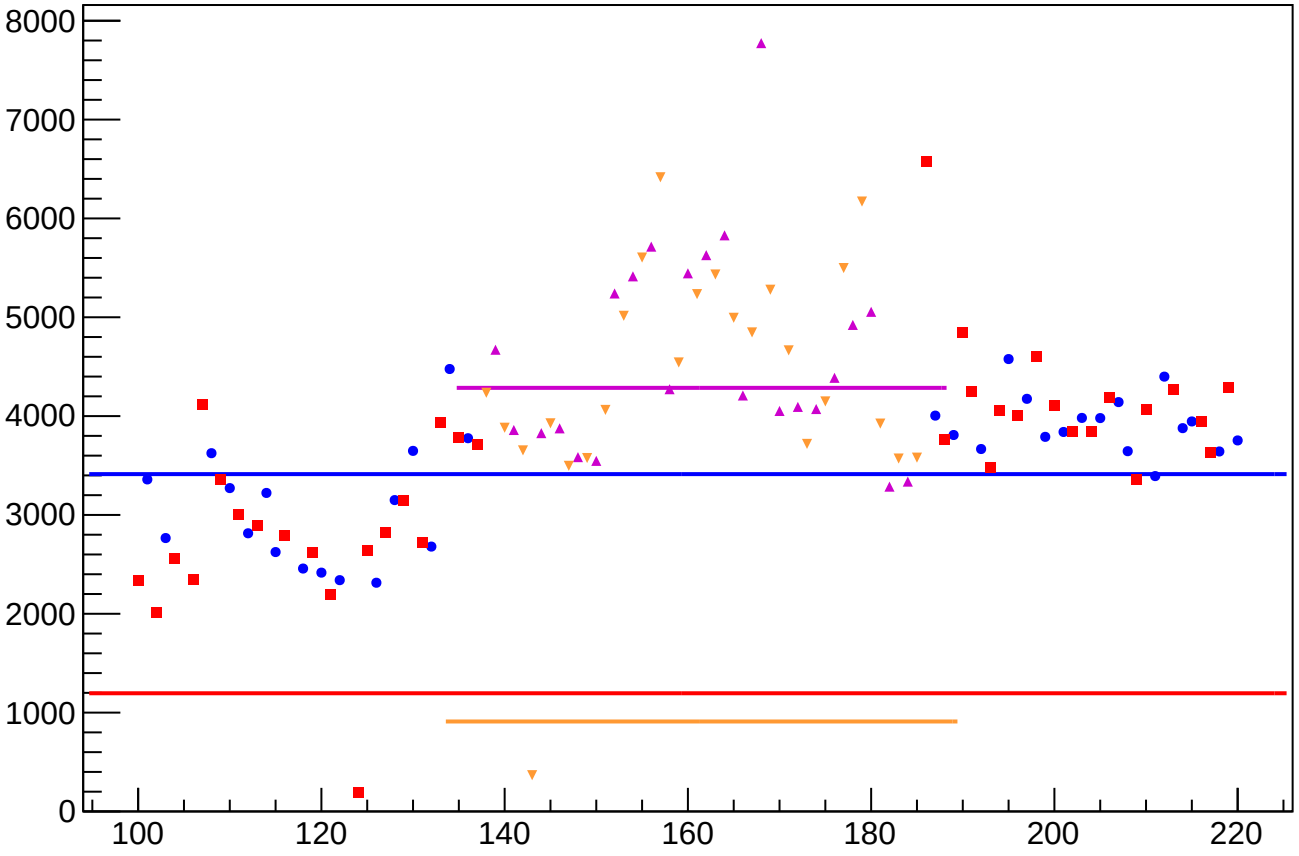
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 200.304+/-339.714 χ^2/NDF: 68.8/57

All: 0.929+/-256.109 χ^2/NDF: 138.5/117

- sign -261.597+/-389.820 χ^2/NDF: 68.8/59

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3413.032+/-0.536 χ^2/NDF: 1442706.7/32

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1195.839+/-0.298 χ^2/NDF: 26336480.0/36

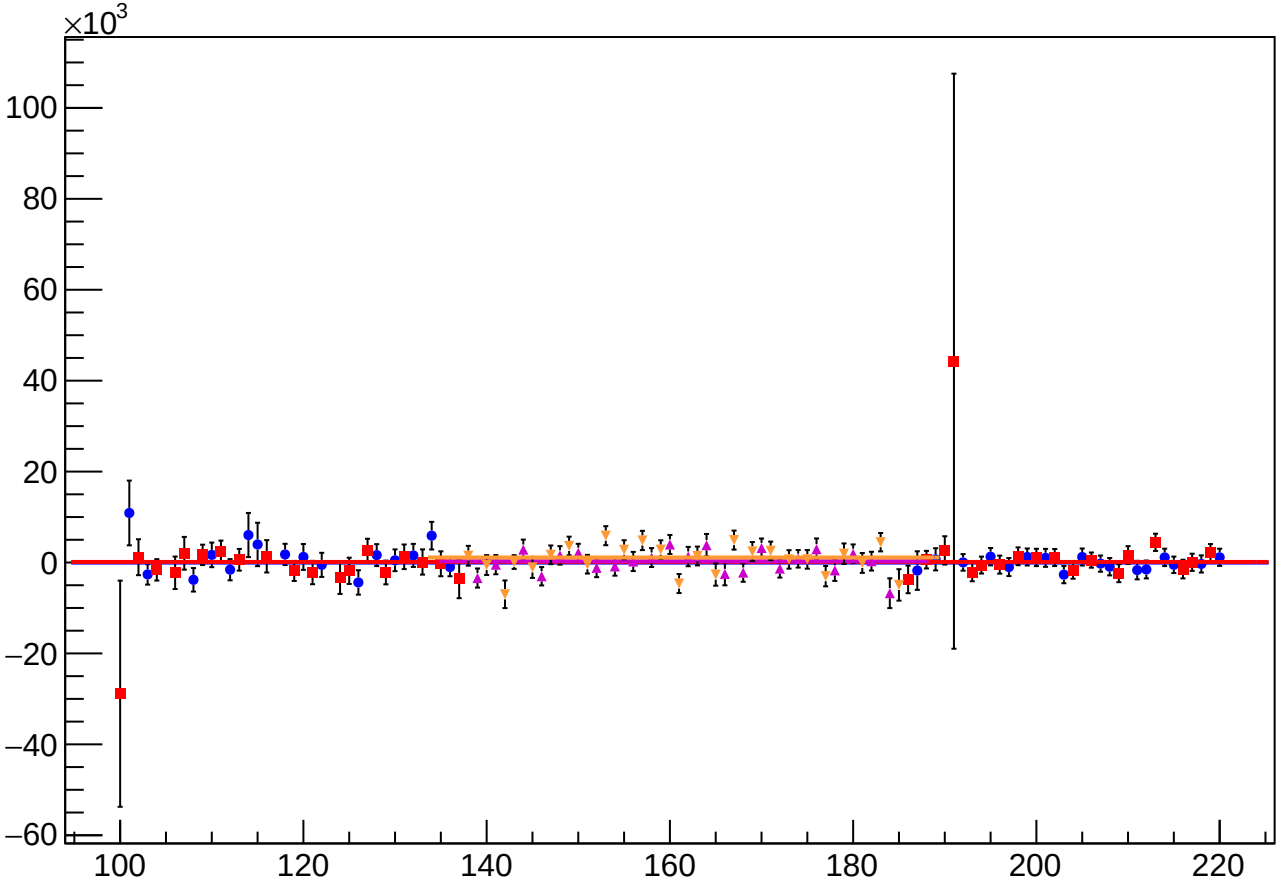
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1412.273+/-0.240 χ^2/NDF: 45622420.3/57

All: 1512.541+/-0.181 χ^2/NDF: 89289530.7/1

- sign 1644.568+/-0.276 χ^2/NDF: 43263458.5/59

dit_asym_atr1l2_dd_mean vs Slug



Right In: -16.754+/-389.269 χ^2/NDF: 23.7/32

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: 123.105+/-388.217 χ^2/NDF: 25.1/36

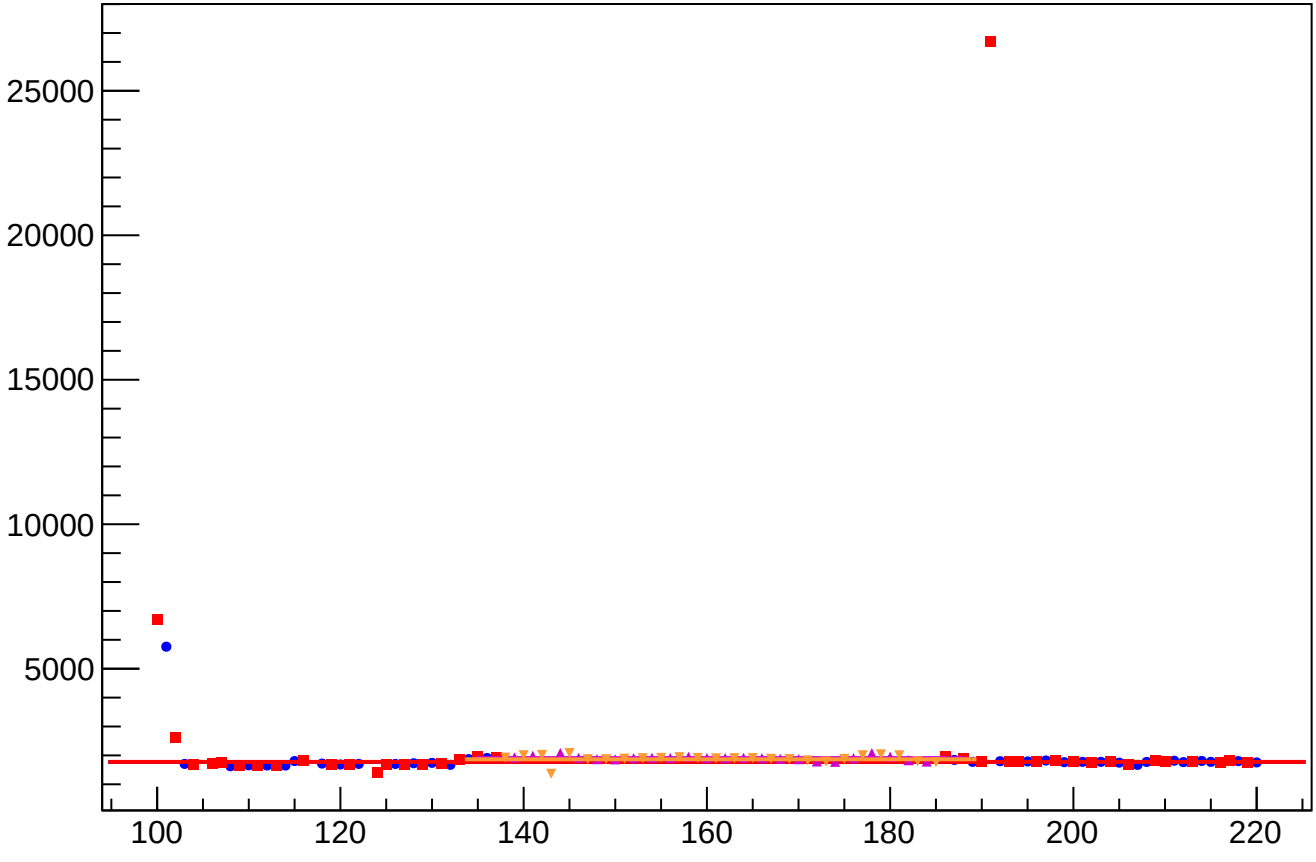
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 493.804+/-287.156 χ^2/NDF: 72.3/57

All: 341.932+/-204.961 χ^2/NDF: 125.7/117

- sign 184.203+/-292.640 χ^2/NDF: 52.9/59

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1771.396+/-0.275 χ^2/NDF: 679531.8/32

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1774.713+/-0.274 χ^2/NDF: 570775.0/36

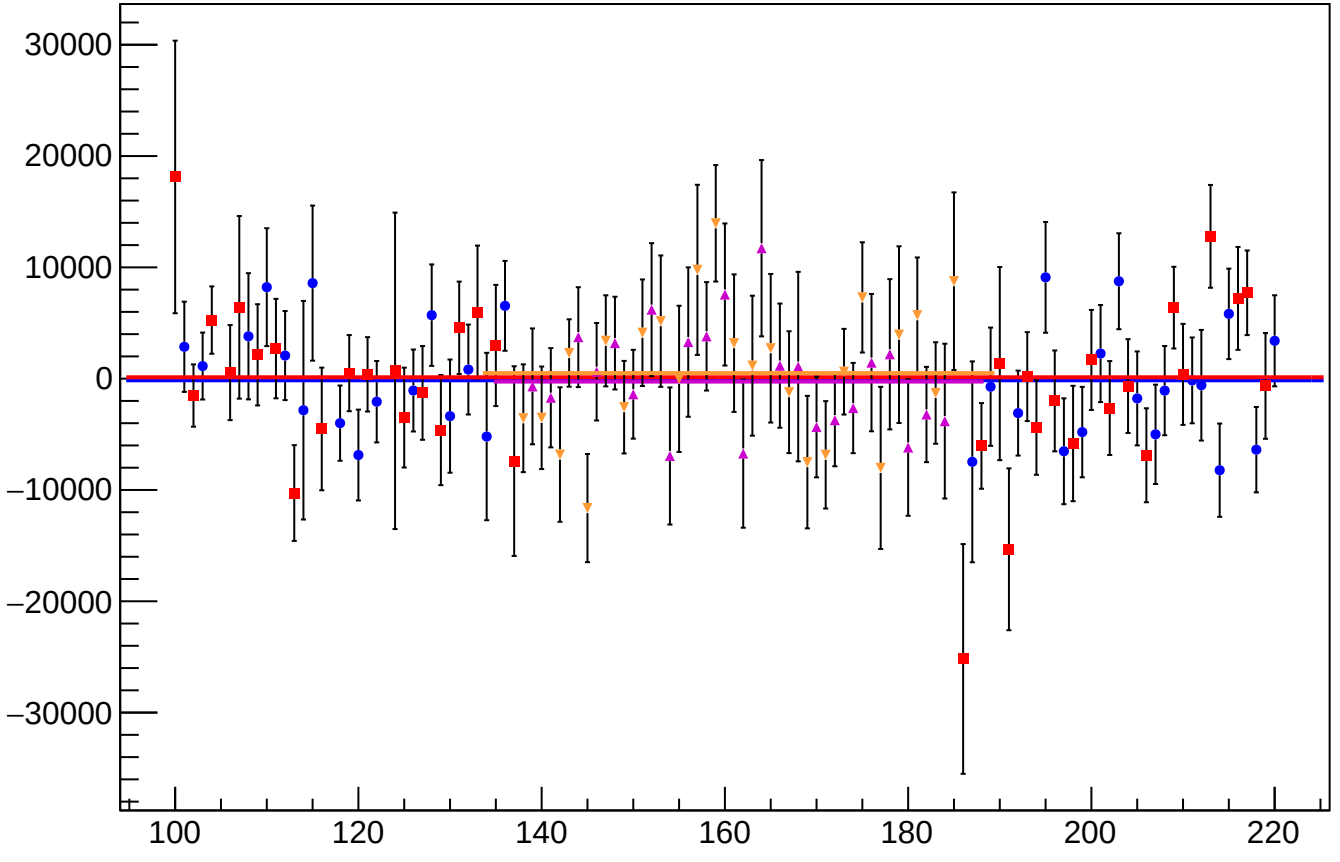
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1813.991+/-0.203 χ^2/NDF: 1026778.4/57

All: 1822.425+/-0.145 χ^2/NDF: 1752137.1/11

- sign 1831.173+/-0.207 χ^2/NDF: 721843.8/59

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: -144.208+/-757.062 χ^2/NDF: 38.4/32

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: 124.277+/-741.208 χ^2/NDF: 53.8/36

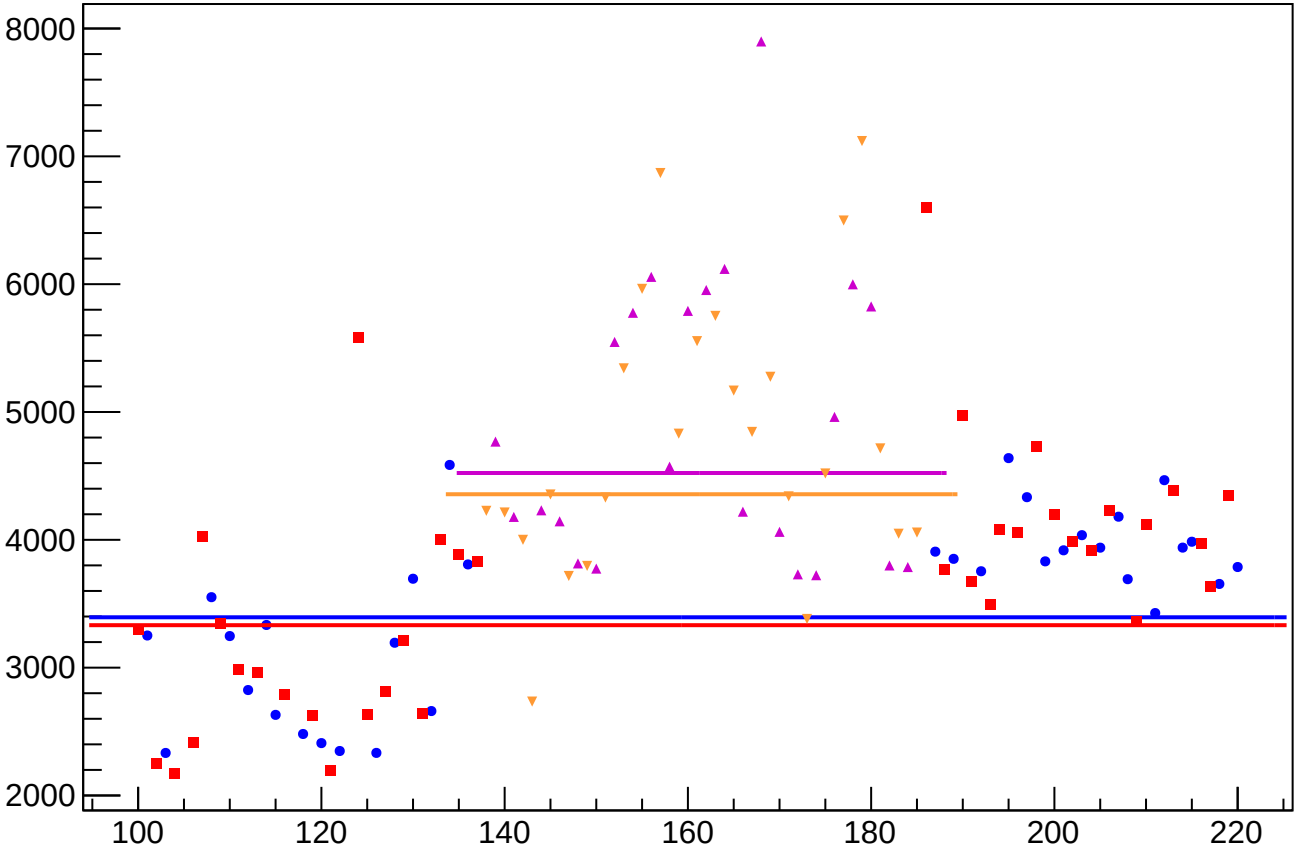
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 85.644+/-608.269 χ^2/NDF: 68.7/57

All: 43.594+/-431.207 χ^2/NDF: 136.2/117

- sign 1.114+/-611.381 χ^2/NDF: 67.5/59

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3394.022+/-0.535 χ^2/NDF: 1701767.2/32

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3332.226+/-0.524 χ^2/NDF: 2424628.2/36

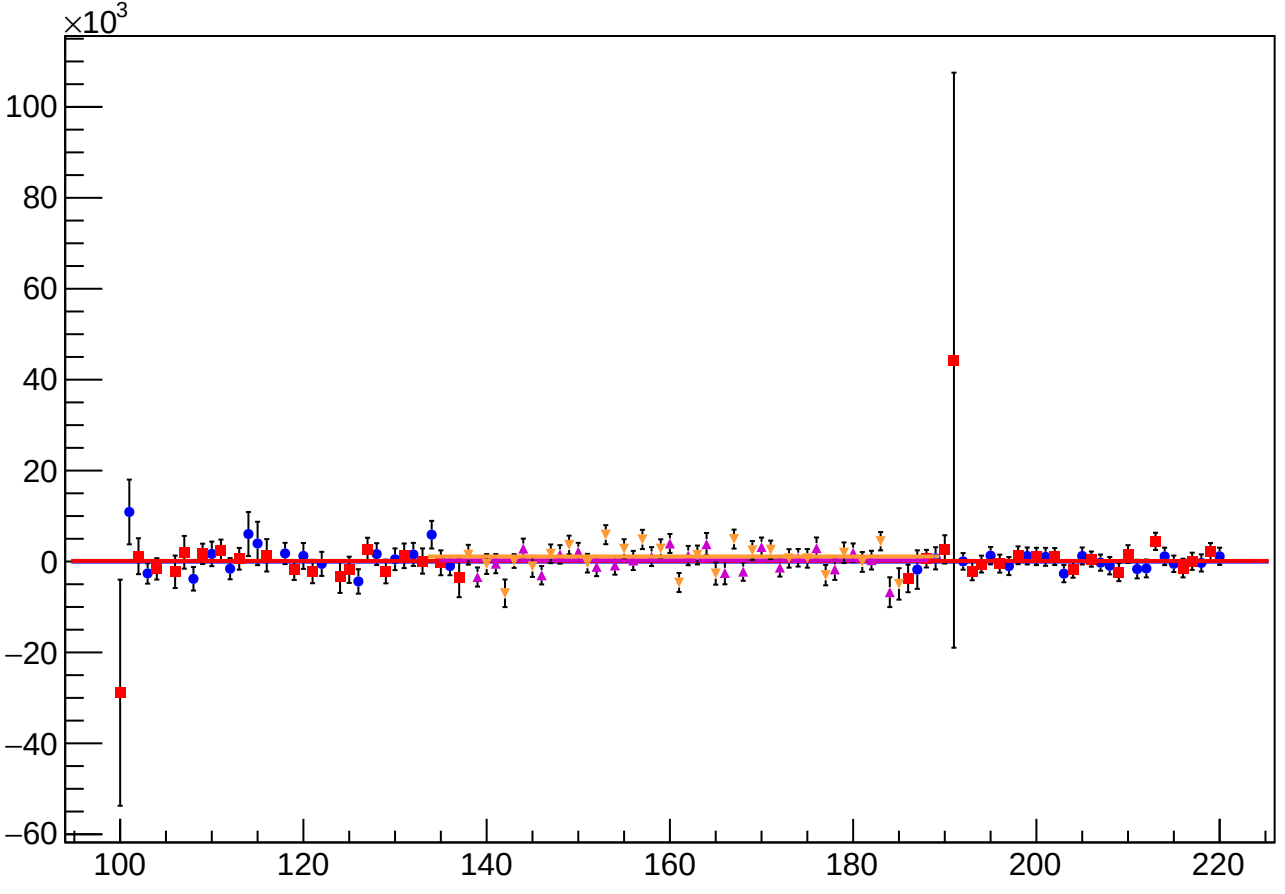
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3735.225+/-0.430 χ^2/NDF: 4760226.8/57

All: 3724.054+/-0.305 χ^2/NDF: 10269532.7/1

- sign 3712.767+/-0.432 χ^2/NDF: 5507949.7/59

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: -16.755+/-389.269 χ^2/NDF: 23.7/32

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: 123.104+/-388.217 χ^2/NDF: 25.1/36

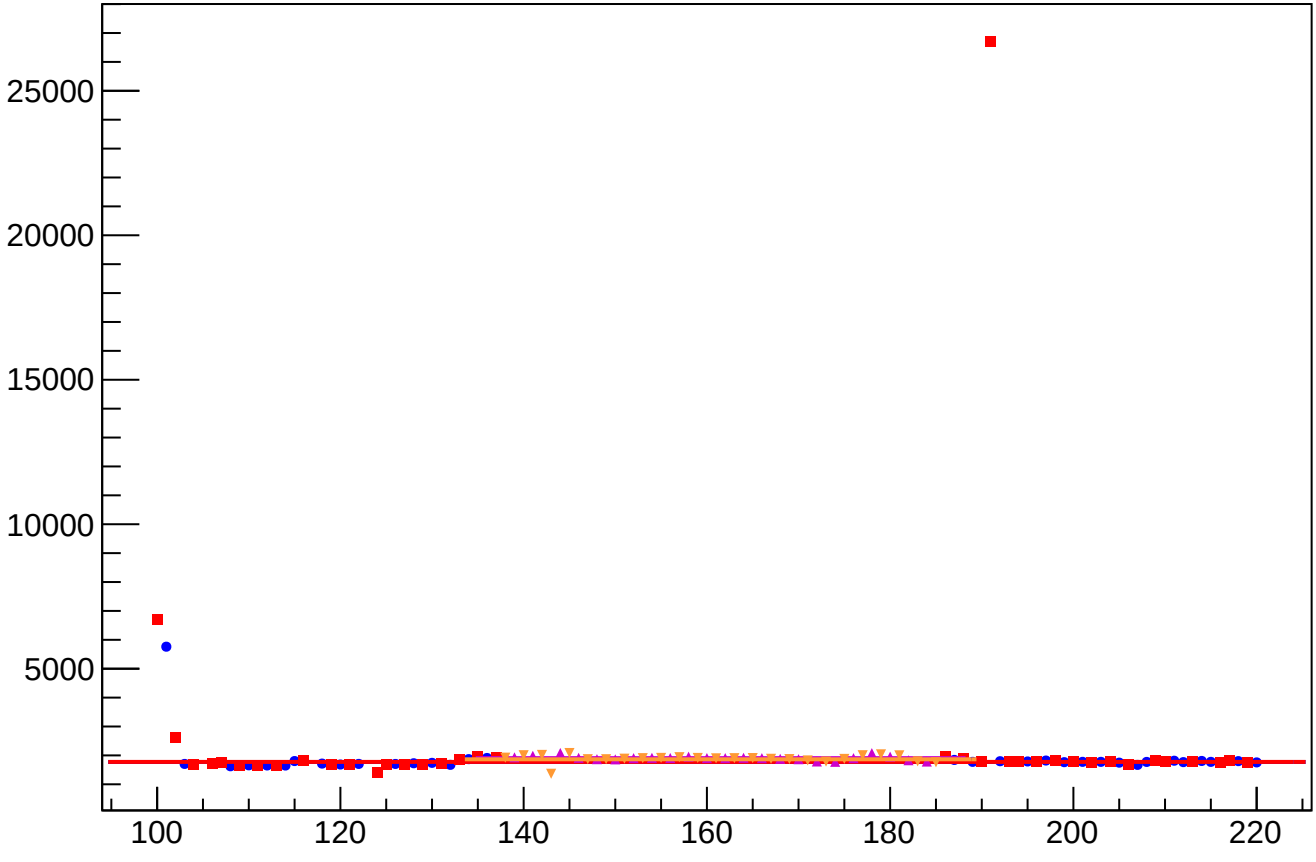
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 493.804+/-287.156 χ^2/NDF: 72.3/57

All: 341.932+/-204.961 χ^2/NDF: 125.7/117

- sign 184.203+/-292.640 χ^2/NDF: 52.9/59

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1771.396+/-0.275 χ^2/NDF: 679531.8/32

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

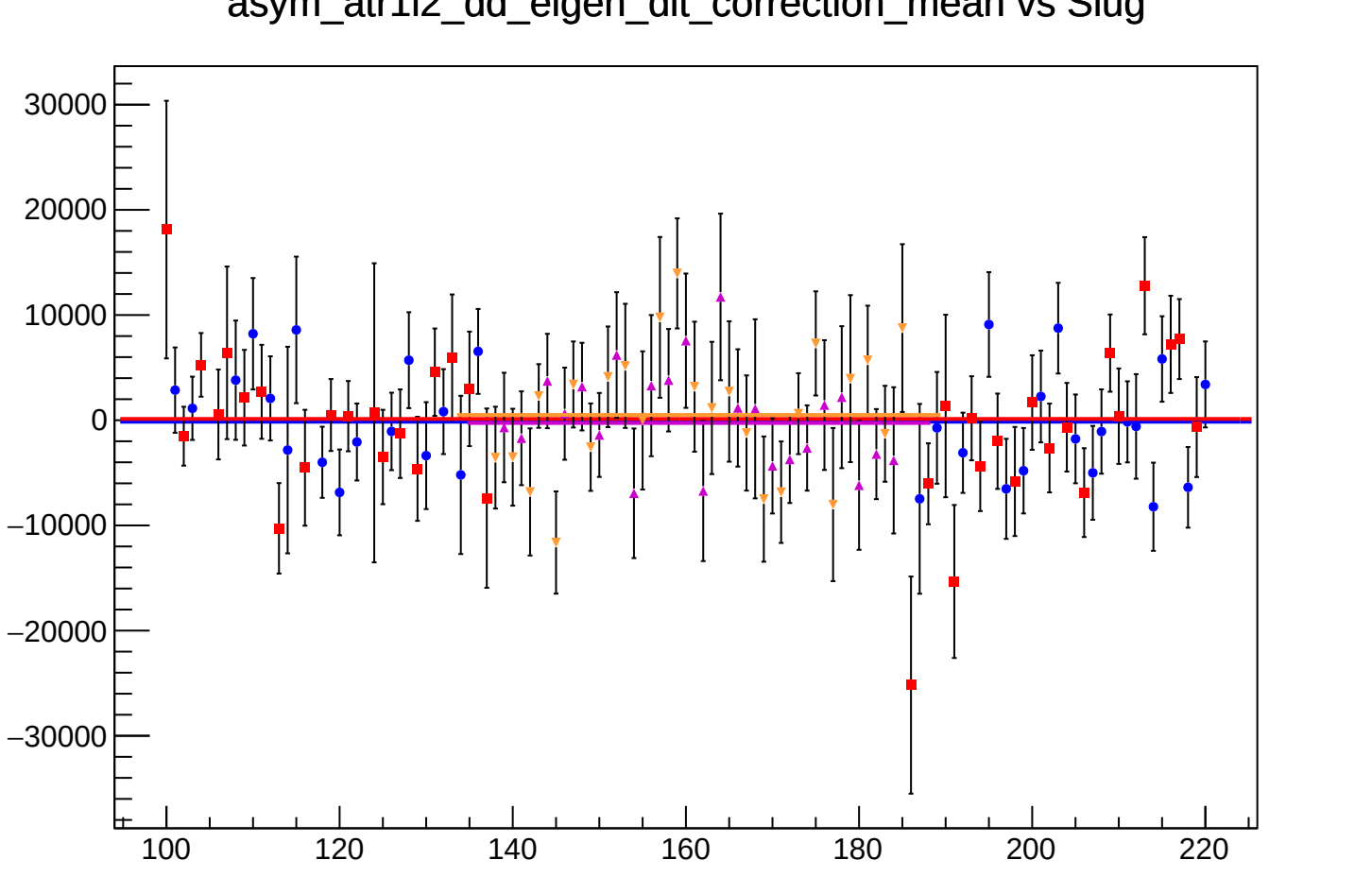
Right Out: 1774.713+/-0.274 χ^2/NDF: 570775.0/36

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1813.991+/-0.203 χ^2/NDF: 1026782.7/57

All: 1822.425+/-0.145 χ^2/NDF: 1752145.1/11

- sign 1831.174+/-0.207 χ^2/NDF: 721847.5/59



Right In: -144.209+/-757.062 χ^2/NDF: 38.4/32

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

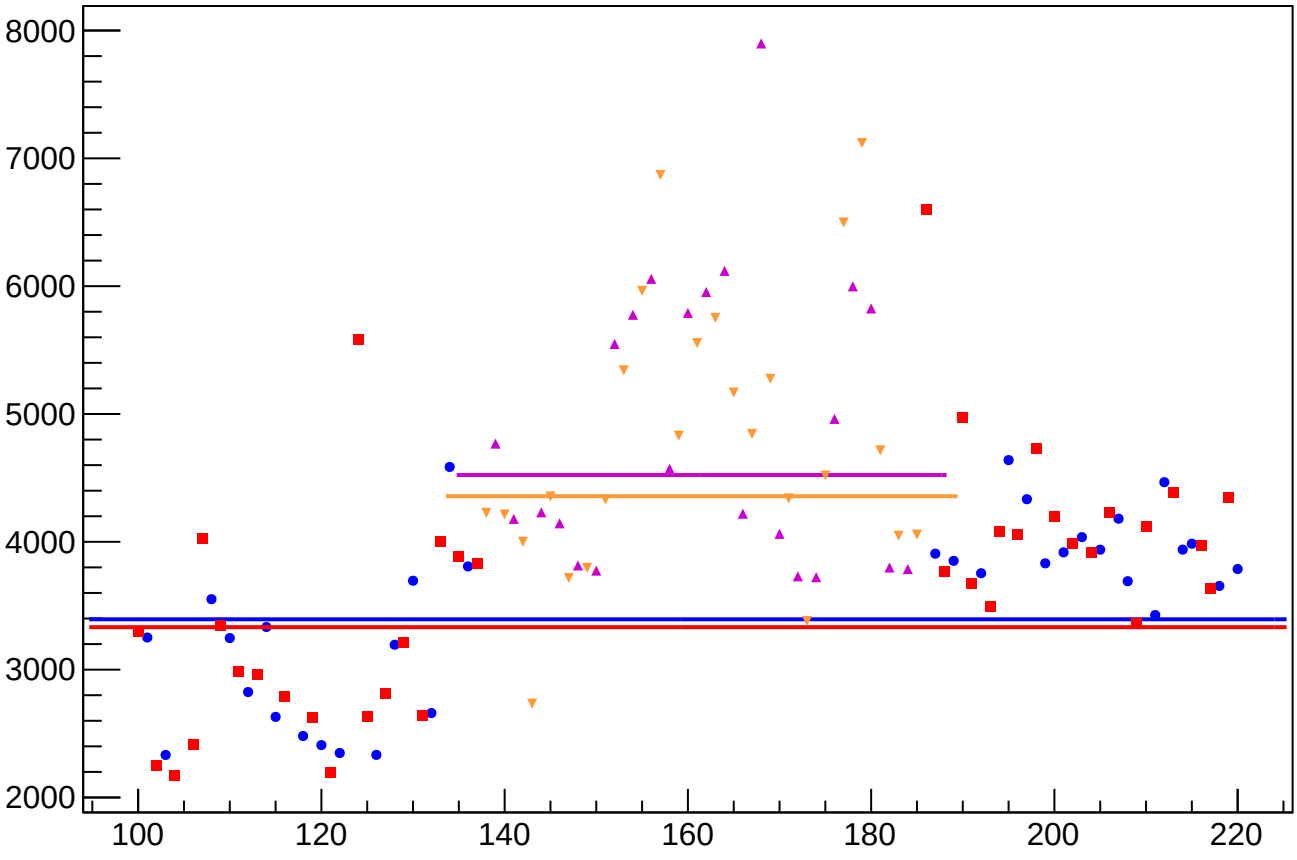
Right Out: 124.281+/-741.208 χ^2/NDF: 53.8/36

Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 85.644+/-608.269 χ^2/NDF: 68.7/57

All: 43.596+/-431.207 χ^2/NDF: 136.2/117

- sign 1.117+/-611.382 χ^2/NDF: 67.5/59



Right In: 3394.020+/-0.535 χ^2/NDF: 1701802.8/32

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3332.223+/-0.524 χ^2/NDF: 2424650.1/36

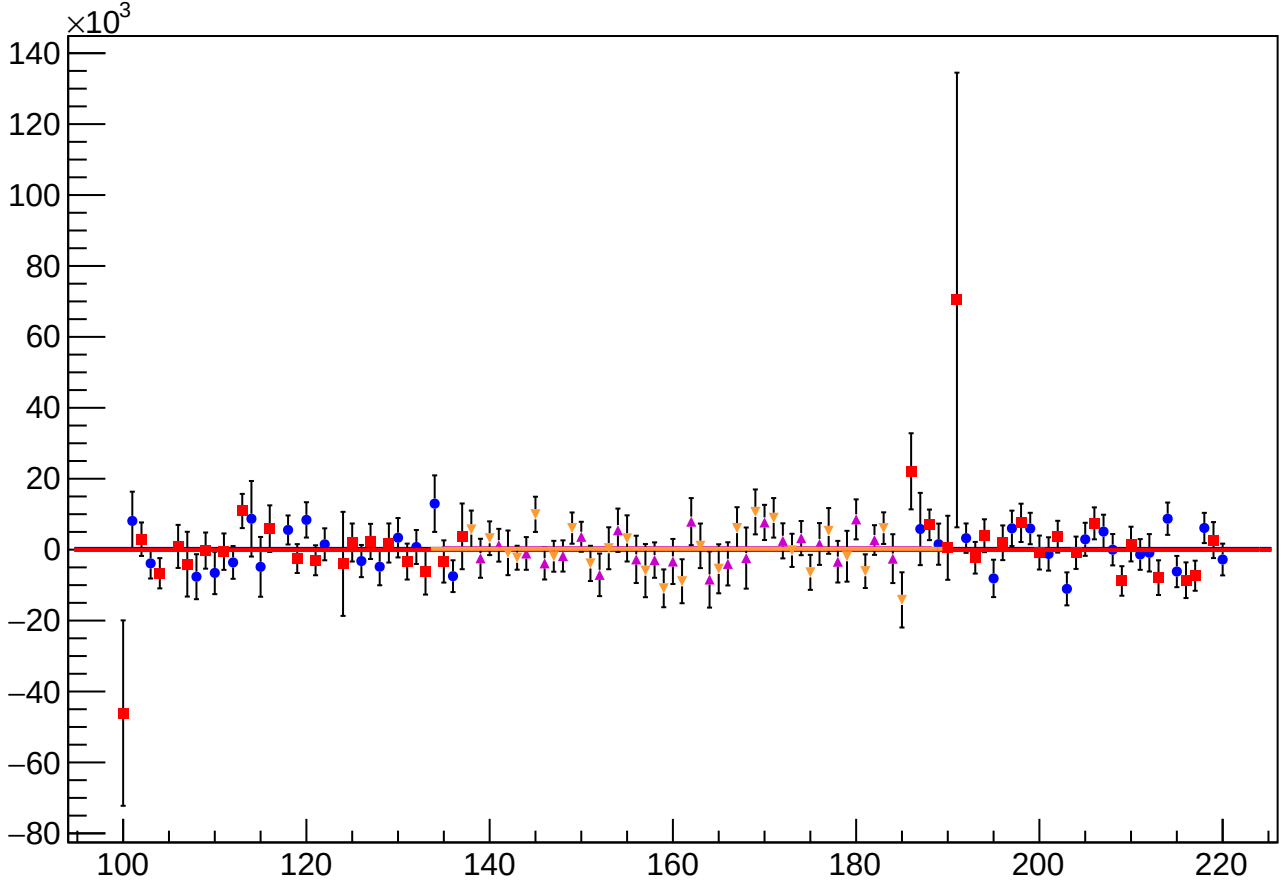
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3735.226+/-0.430 χ^2/NDF: 4760285.6/57

All: 3724.054+/-0.305 χ^2/NDF: 10269640.6/1

- sign 3712.767+/-0.432 χ^2/NDF: 5507998.7/59

asym_atr1l2_dd_mean vs Slug



Right In: 221.285+/-870.835 χ^2/NDF: 40.0/32

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: -103.468+/-867.791 χ^2/NDF: 43.3/36

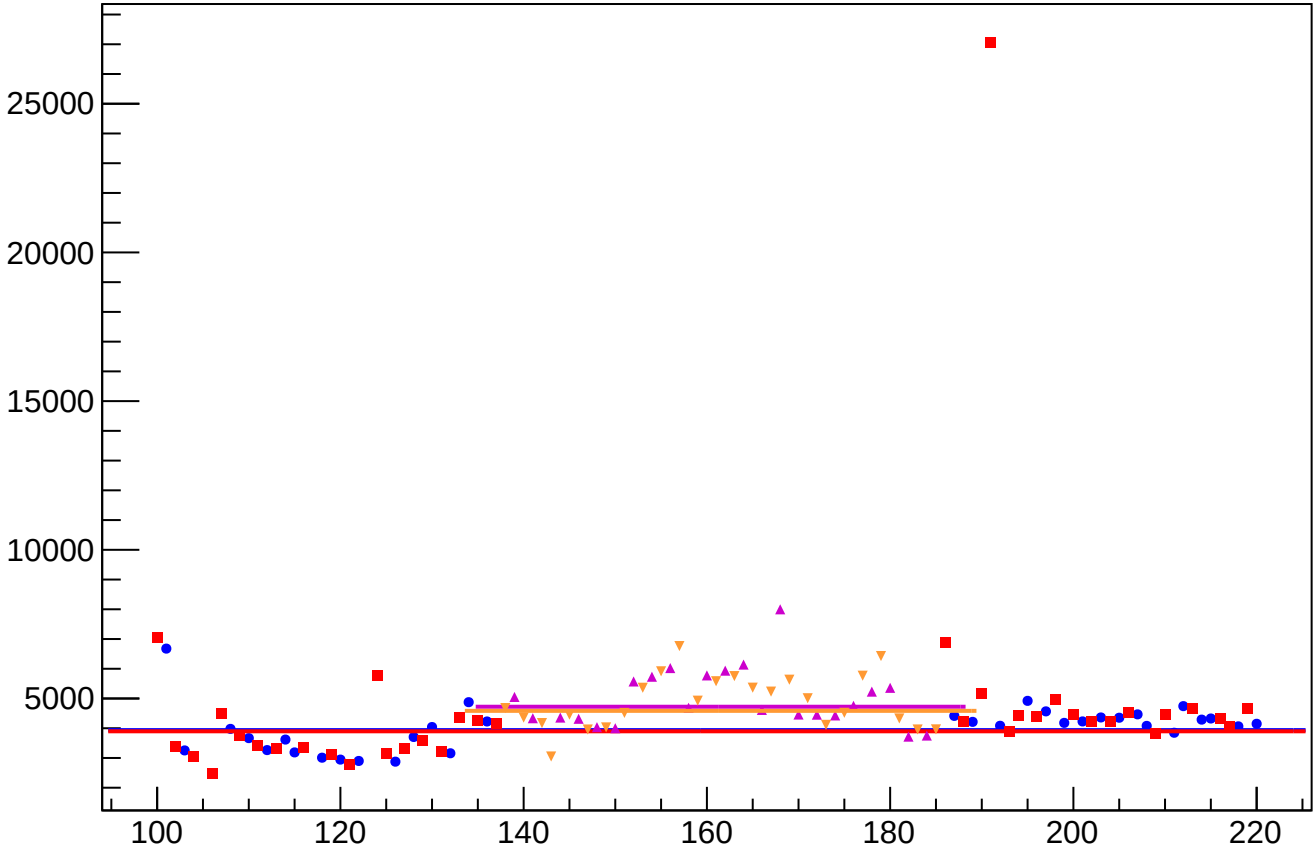
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign 228.758+/-674.064 χ^2/NDF: 72.2/57

All: 157.840+/-480.896 χ^2/NDF: 129.9/117

- sign 84.327+/-686.281 χ^2/NDF: 57.7/59

asym_atr1l2_dd_rms vs Slug



Right In: 3936.979+/-0.616 χ^2/NDF: 1094242.3/32

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3896.966+/-0.610 χ^2/NDF: 1571636.1/36

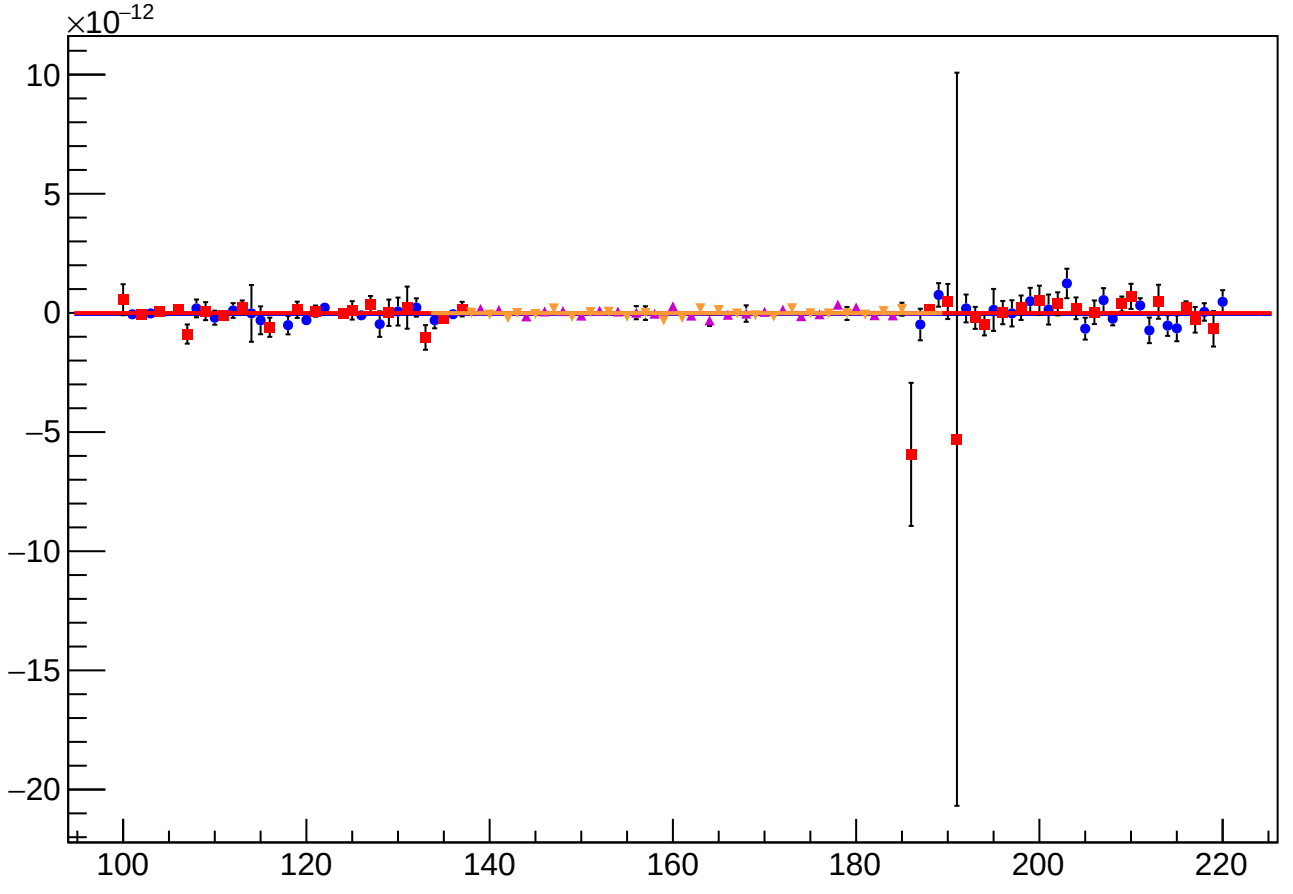
Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4196.608+/-0.477 χ^2/NDF: 2849445.6/57

All: 4200.182+/-0.339 χ^2/NDF: 6119948.4/11

- sign 4203.856+/-0.483 χ^2/NDF: 3270388.8/59

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/32

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.3/36

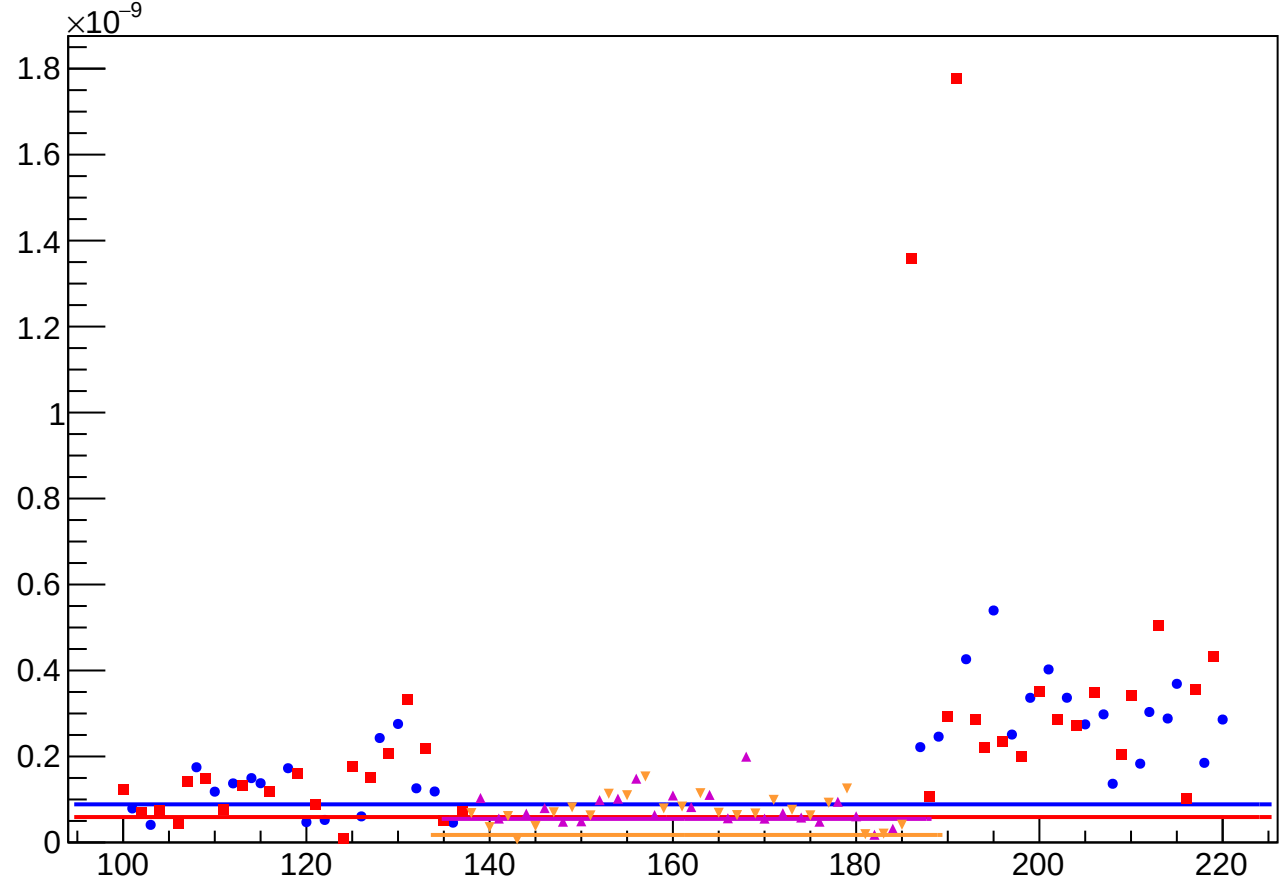
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.9/57

All: -0.000+/-0.000 χ^2/NDF: 109.3/117

- sign -0.000+/-0.000 χ^2/NDF: 58.4/59

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7620546.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10536055.8/36

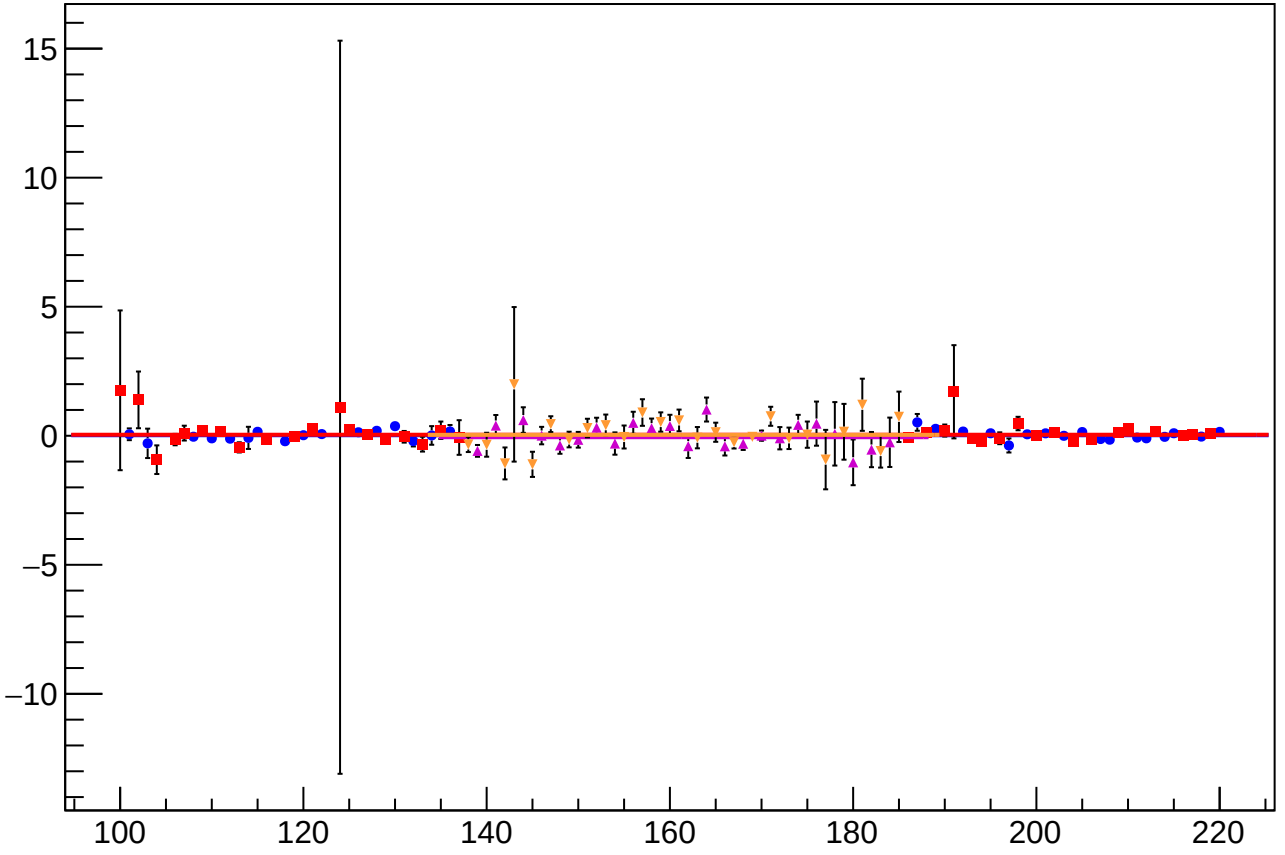
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 21994808.1/57

All: 0.000+/-0.000 χ^2/NDF: 39920754.0/117

- sign 0.000+/-0.000 χ^2/NDF: 13356439.0/59

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.027 χ^2/NDF: 28.1/32

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.039+/-0.027 χ^2/NDF: 41.8/36

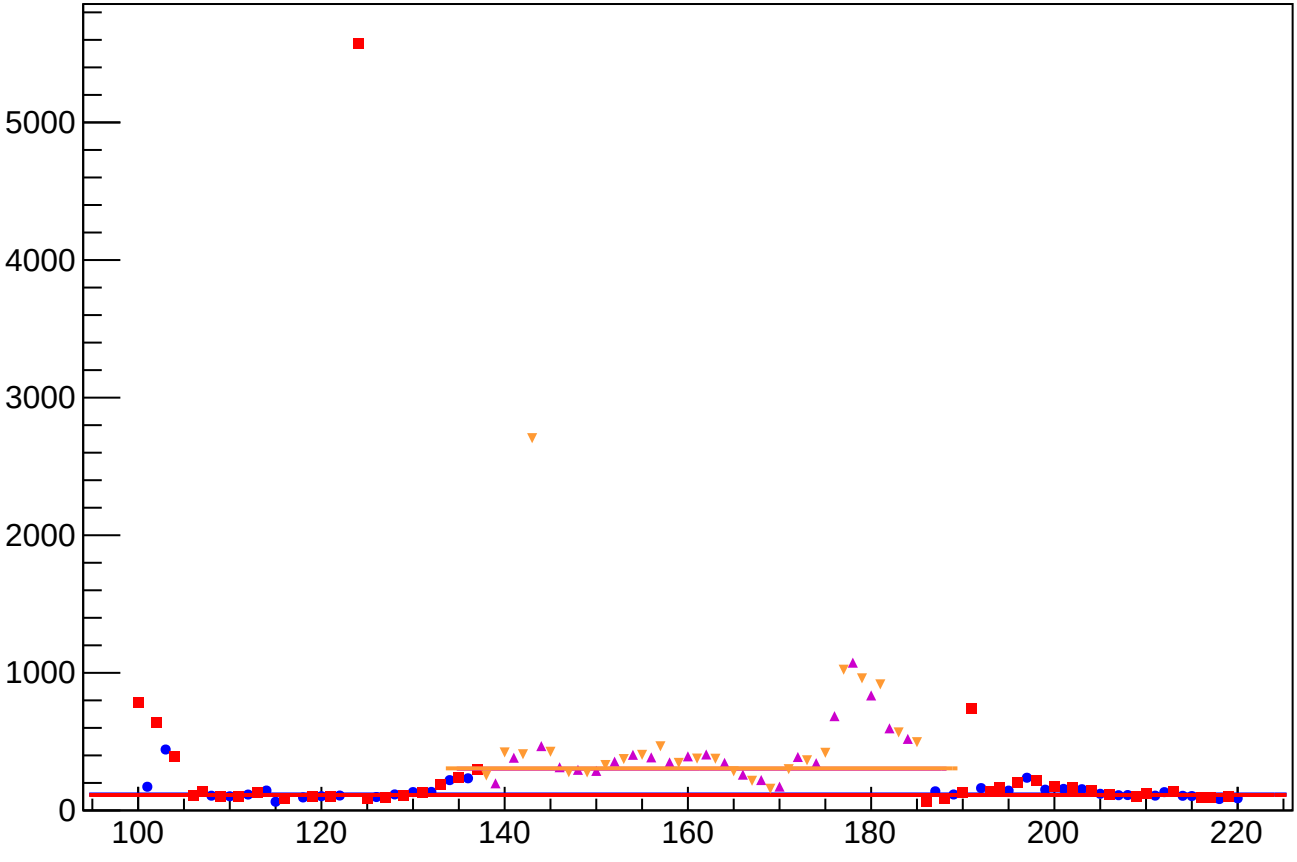
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.022+/-0.026 χ^2/NDF: 58.6/57

All: 0.026+/-0.018 χ^2/NDF: 127.8/117

- sign 0.029+/-0.025 χ^2/NDF: 69.2/59

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 116.254+/-0.019 χ^2/NDF: 3155970.3/32

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 112.415+/-0.019 χ^2/NDF: 4668140.6/36

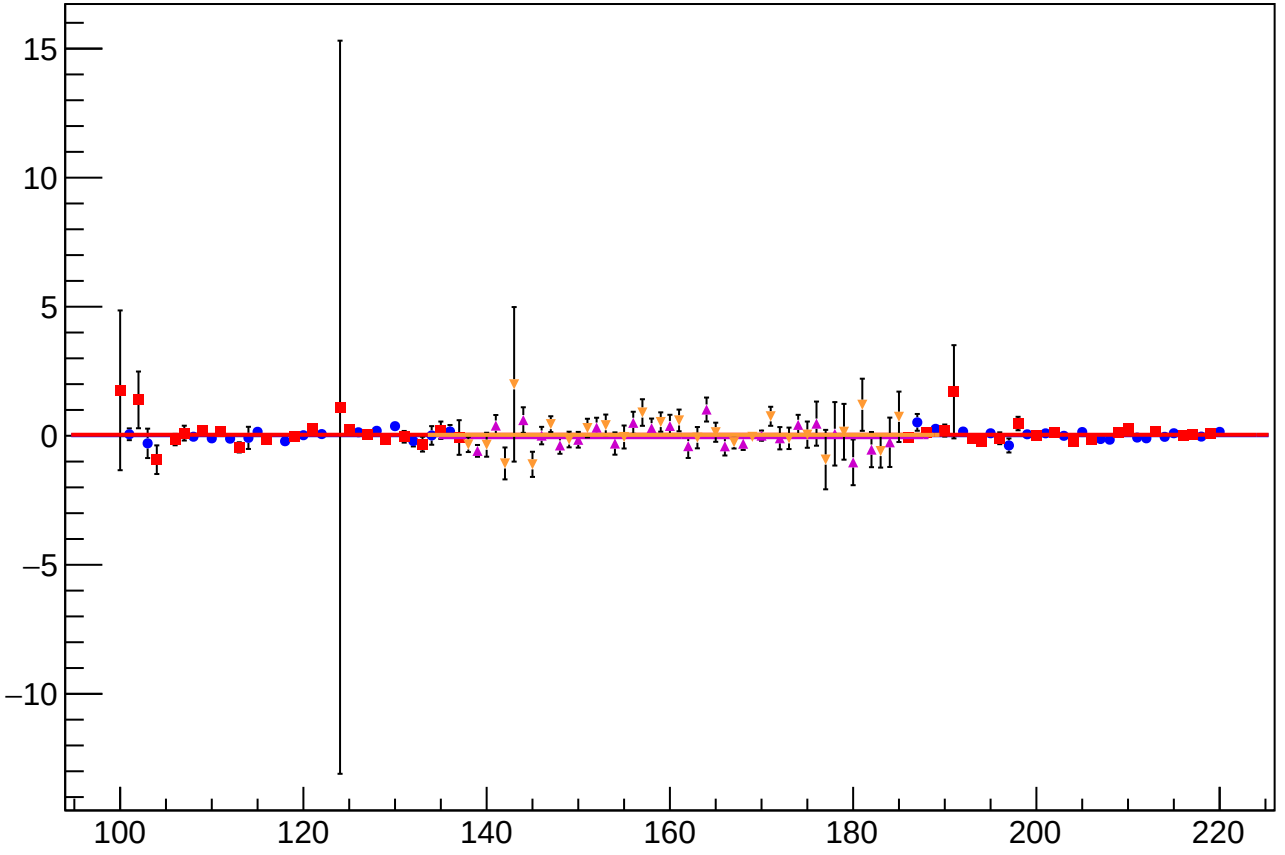
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 136.759+/-0.018 χ^2/NDF: 20358548.0/57

All: 134.815+/-0.013 χ^2/NDF: 40744762.1/11

- sign 132.914+/-0.018 χ^2/NDF: 20363445.5/59

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.027 χ^2/NDF: 28.1/32

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.039+/-0.027 χ^2/NDF: 41.8/36

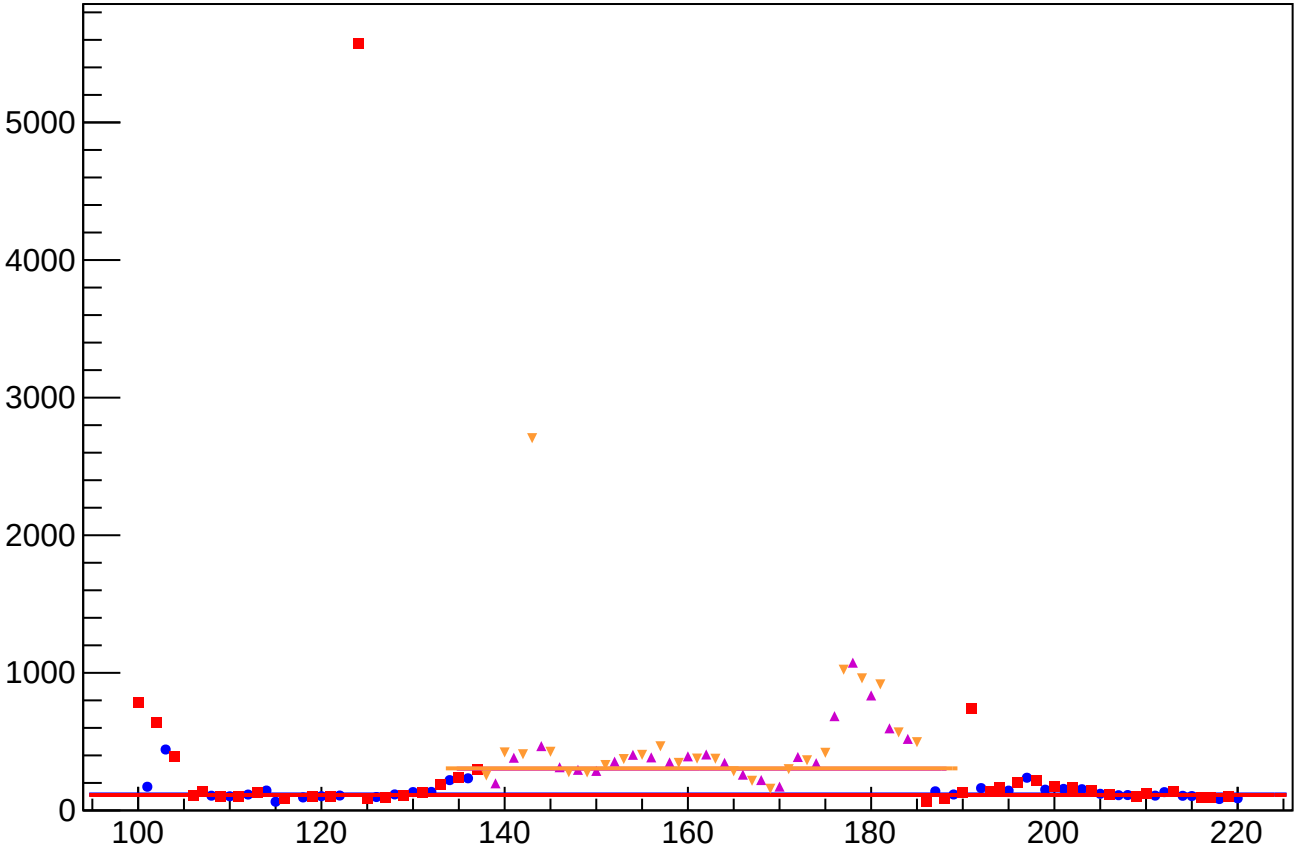
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.022+/-0.026 χ^2/NDF: 58.6/57

All: 0.026+/-0.018 χ^2/NDF: 127.8/117

- sign 0.029+/-0.025 χ^2/NDF: 69.2/59

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 116.254+/-0.019 χ^2/NDF: 3155970.3/32

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

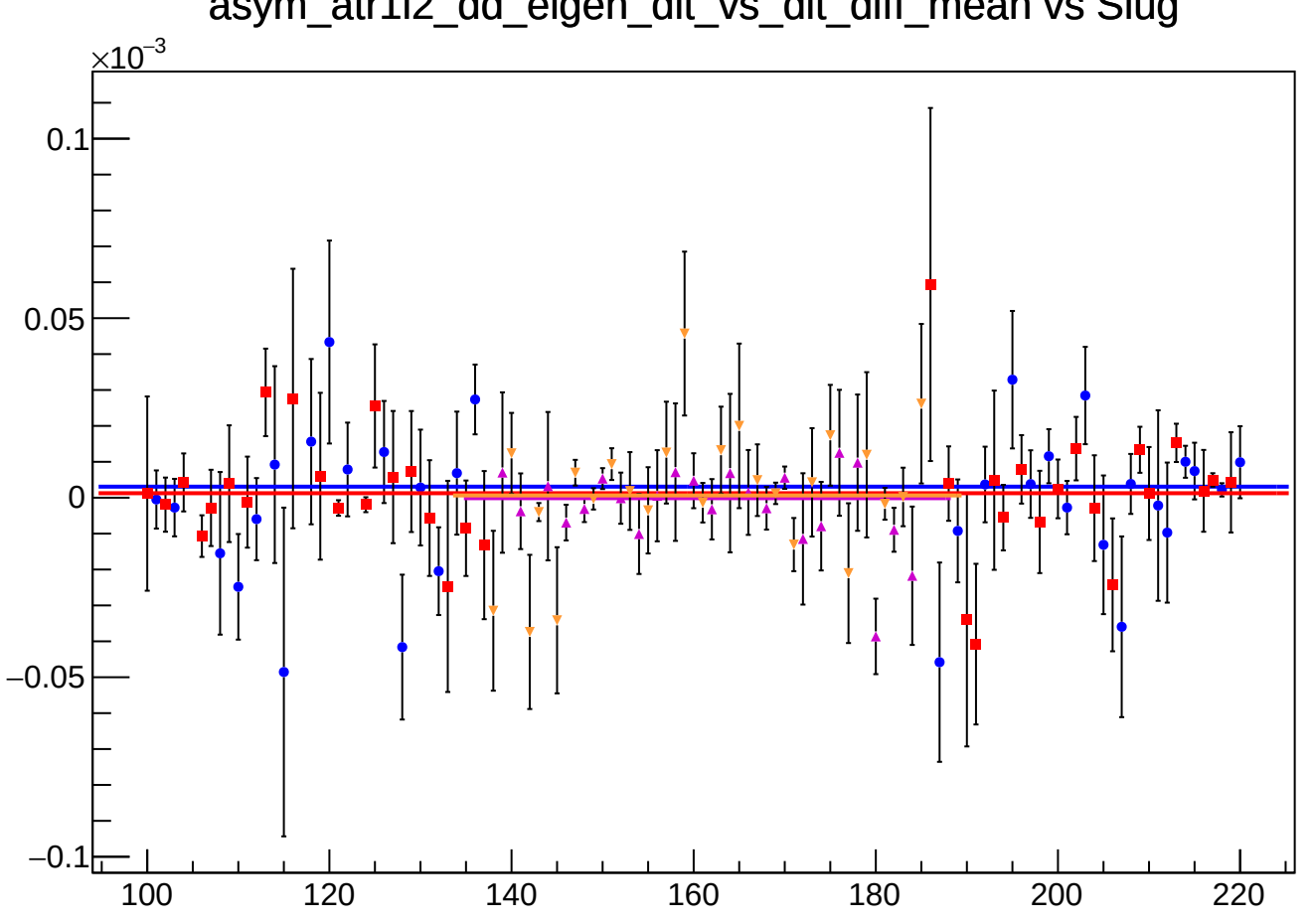
Right Out: 112.415+/-0.019 χ^2/NDF: 4668140.6/36

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 136.759+/-0.018 χ^2/NDF: 20358548.0/57

All: 134.815+/-0.013 χ^2/NDF: 40744762.1/11

- sign 132.914+/-0.018 χ^2/NDF: 20363445.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 43.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

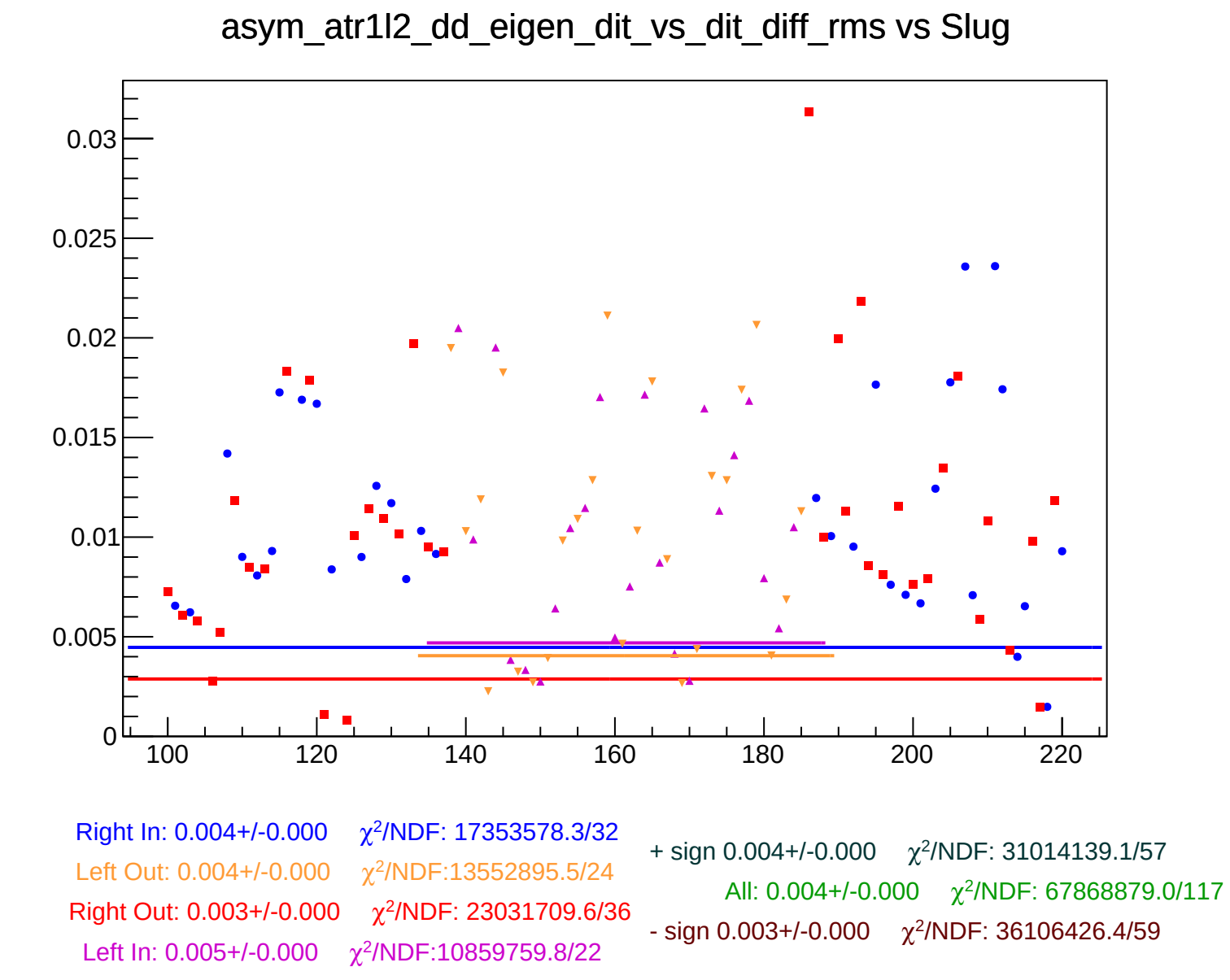
Right Out: 0.000+/-0.000 χ^2/NDF: 46.6/36

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

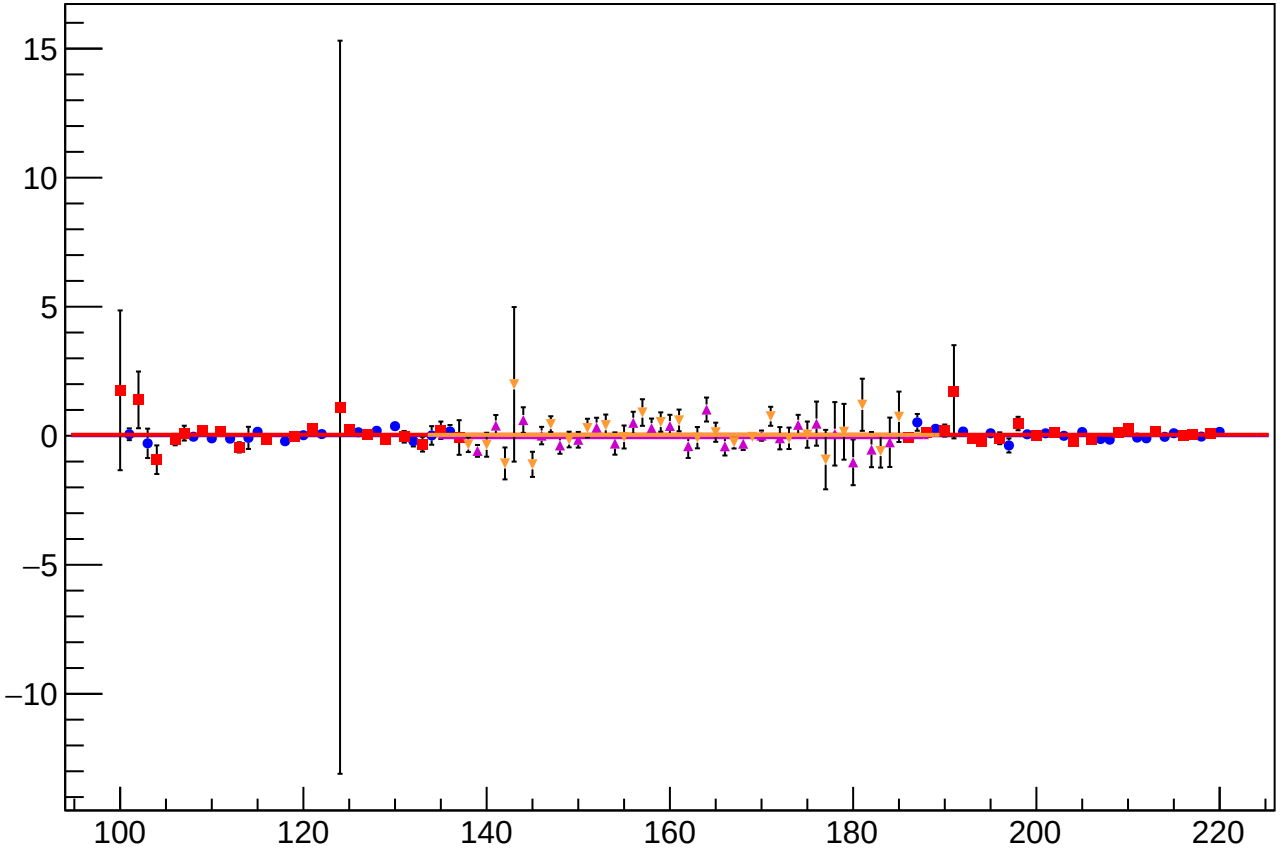
+ sign 0.000+/-0.000 χ^2/NDF: 79.9/57

All: 0.000+/-0.000 χ^2/NDF: 157.5/117

- sign 0.000+/-0.000 χ^2/NDF: 77.0/59


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.03
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
220
Right In: 0.004+/-0.000 χ²/NDF: 17353578.3/32
Left Out: 0.004+/-0.000 χ²/NDF:13552895.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 23031709.6/36
Left In: 0.005+/-0.000 χ²/NDF:10859759.8/22
+ sign 0.004+/-0.000 χ²/NDF: 31014139.1/57
All: 0.004+/-0.000 χ²/NDF: 67868879.0/117
- sign 0.003+/-0.000 χ²/NDF: 36106426.4/59

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.027 χ^2/NDF: 28.1/32

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.039+/-0.027 χ^2/NDF: 41.8/36

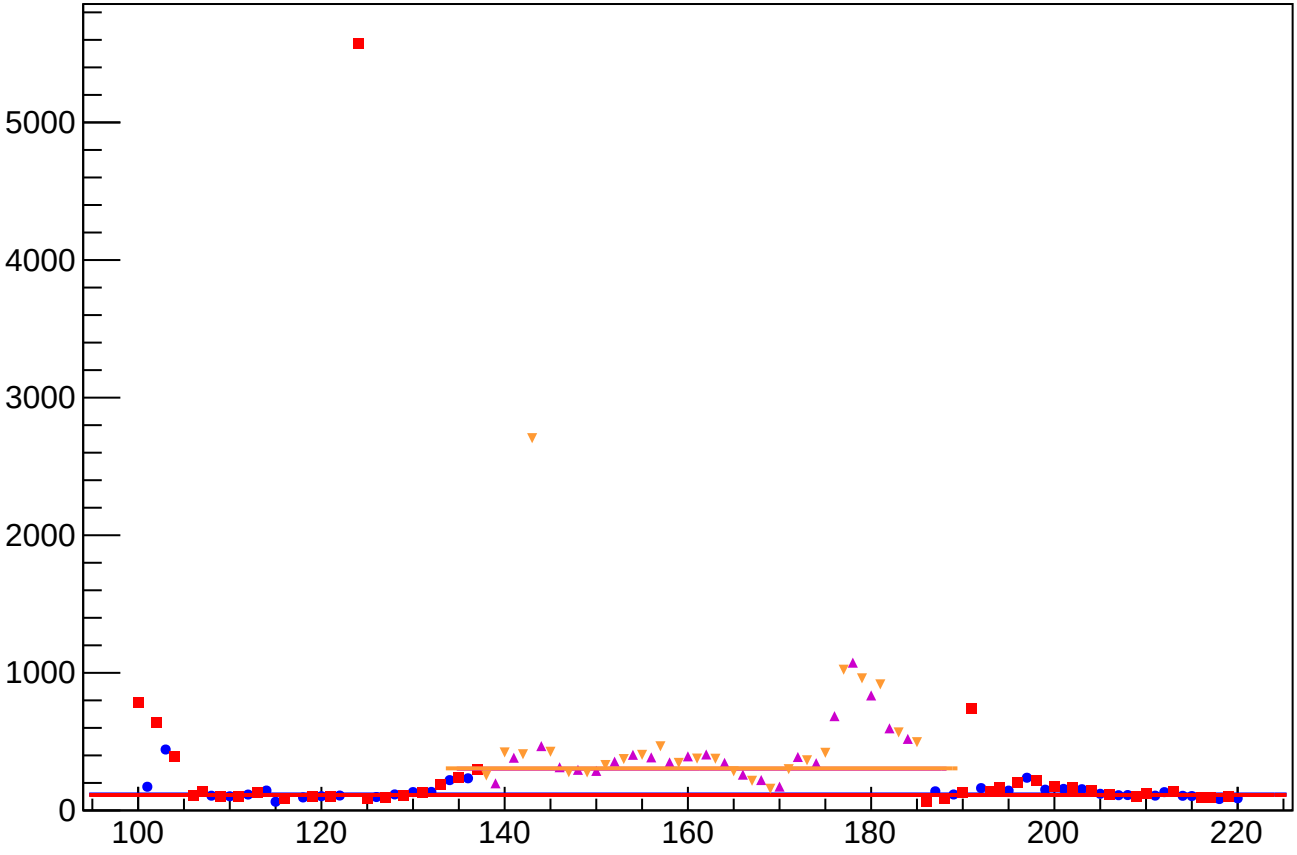
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

\+ sign 0.022+/-0.026 χ^2/NDF: 58.6/57

All: 0.026+/-0.018 χ^2/NDF: 127.8/117

\- sign 0.029+/-0.025 χ^2/NDF: 69.2/59

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 116.255+/-0.019 χ^2/NDF: 3155930.4/32

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

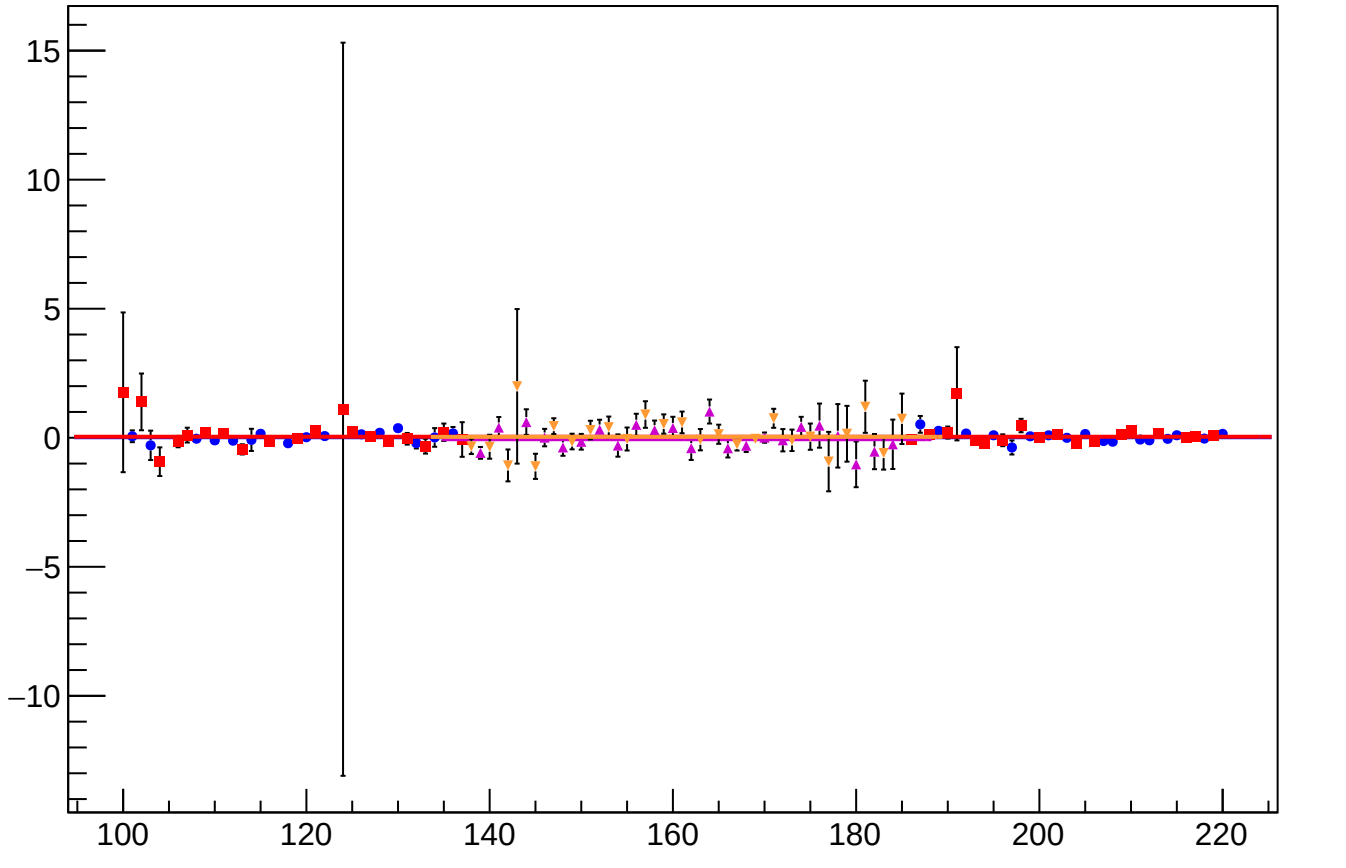
Right Out: 112.417+/-0.019 χ^2/NDF: 4667964.3/36

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 136.760+/-0.018 χ^2/NDF: 20358500.3/57

All: 134.816+/-0.013 χ^2/NDF: 40744481.8/11

- sign 132.916+/-0.018 χ^2/NDF: 20363216.8/59



Right In: 0.020+/-0.027 χ^2/NDF: 28.1/32

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

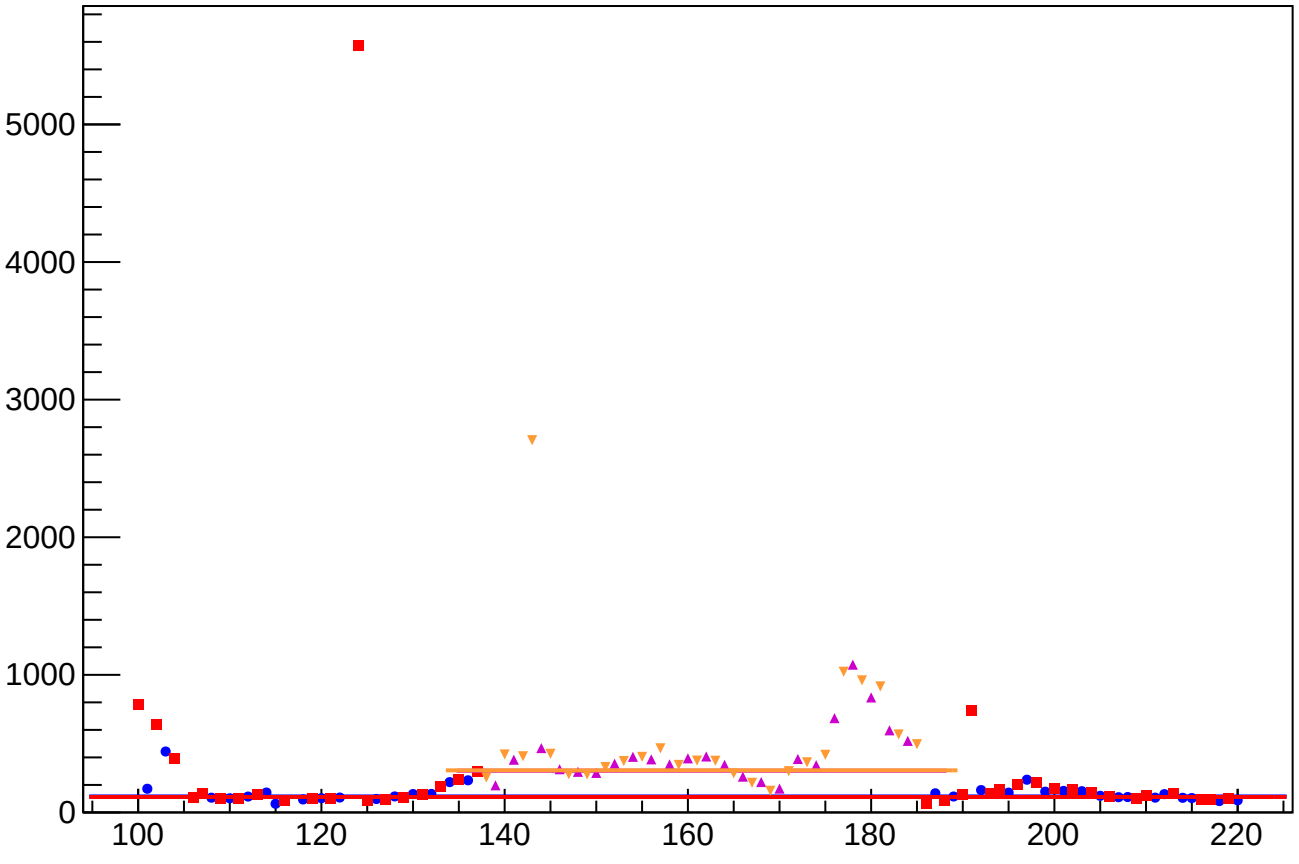
Right Out: 0.039+/-0.027 χ^2/NDF: 41.8/36

Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.022+/-0.026 χ^2/NDF: 58.6/57

All: 0.026+/-0.018 χ^2/NDF: 127.8/117

- sign 0.029+/-0.025 χ^2/NDF: 69.2/59



Right In: 116.255+/-0.019 χ^2/NDF: 3155930.4/32

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

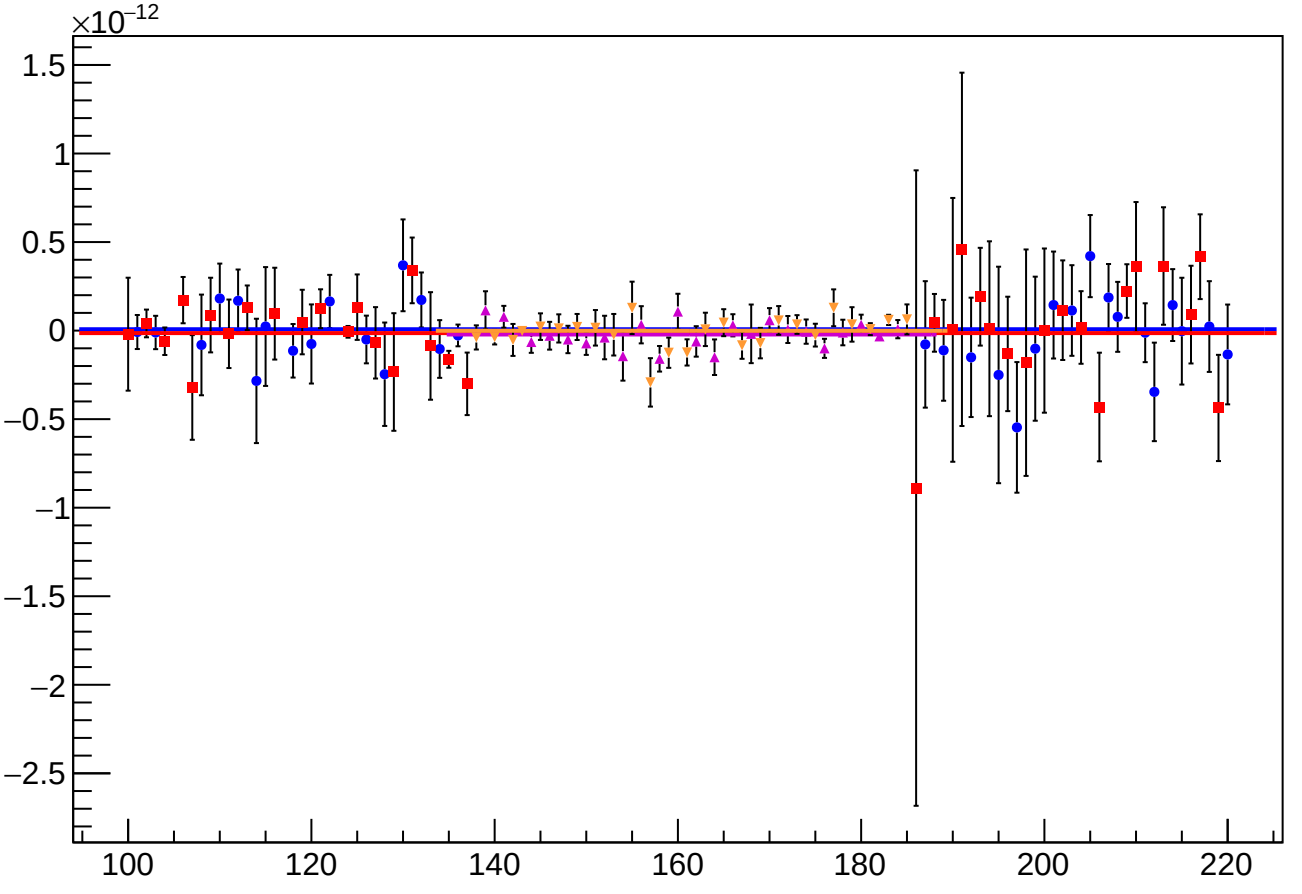
Right Out: 112.417+/-0.019 χ^2/NDF: 4667964.3/36

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 136.760+/-0.018 χ^2/NDF: 20358500.3/57

All: 134.816+/-0.013 χ^2/NDF: 40744481.8/11

- sign 132.916+/-0.018 χ^2/NDF: 20363216.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 19.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:22.0/24

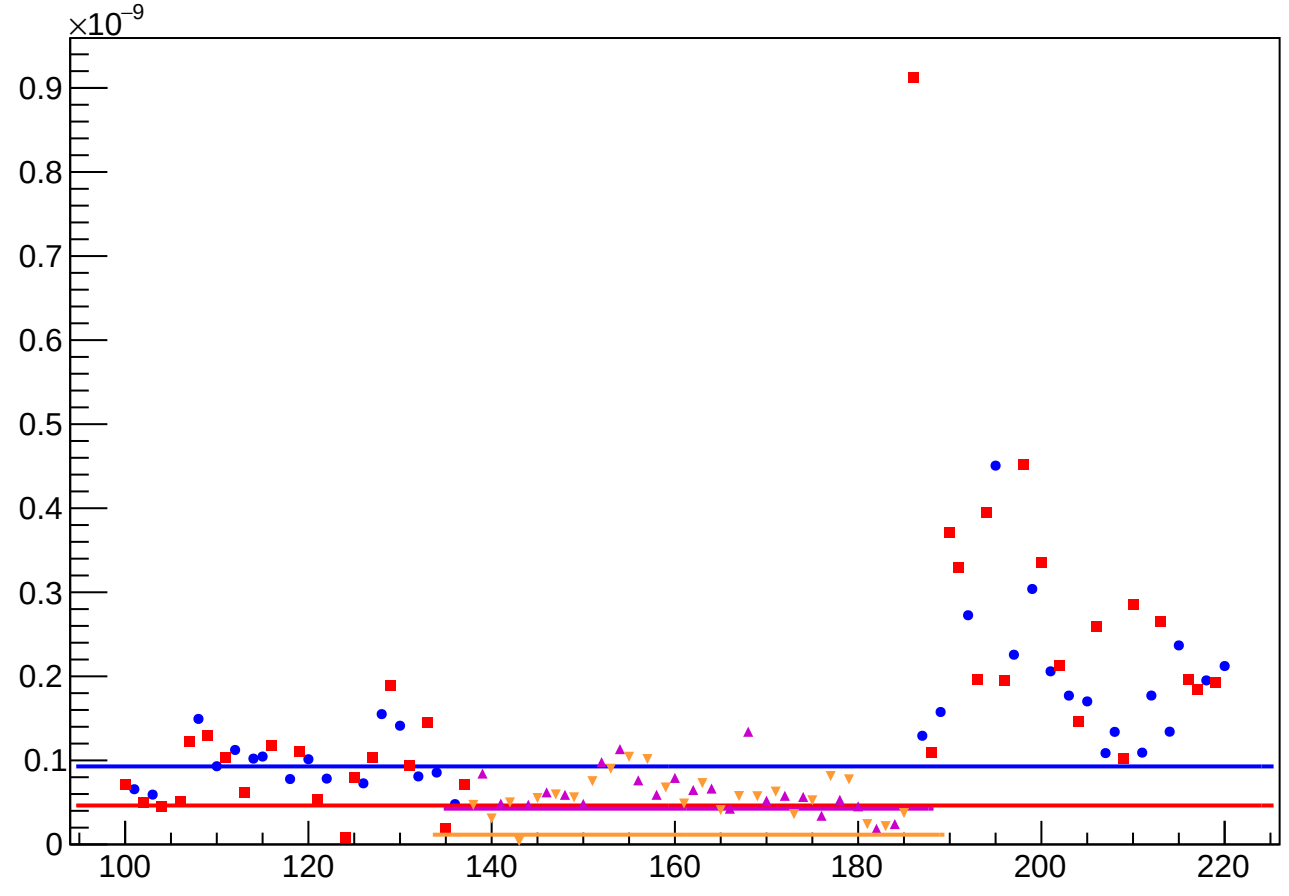
Right Out: -0.000+/-0.000 χ^2/NDF: 38.1/36

Left In: -0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.1/57

All: -0.000+/-0.000 χ^2/NDF: 101.2/117

- sign -0.000+/-0.000 χ^2/NDF: 57.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 6269482.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16063134.4/36

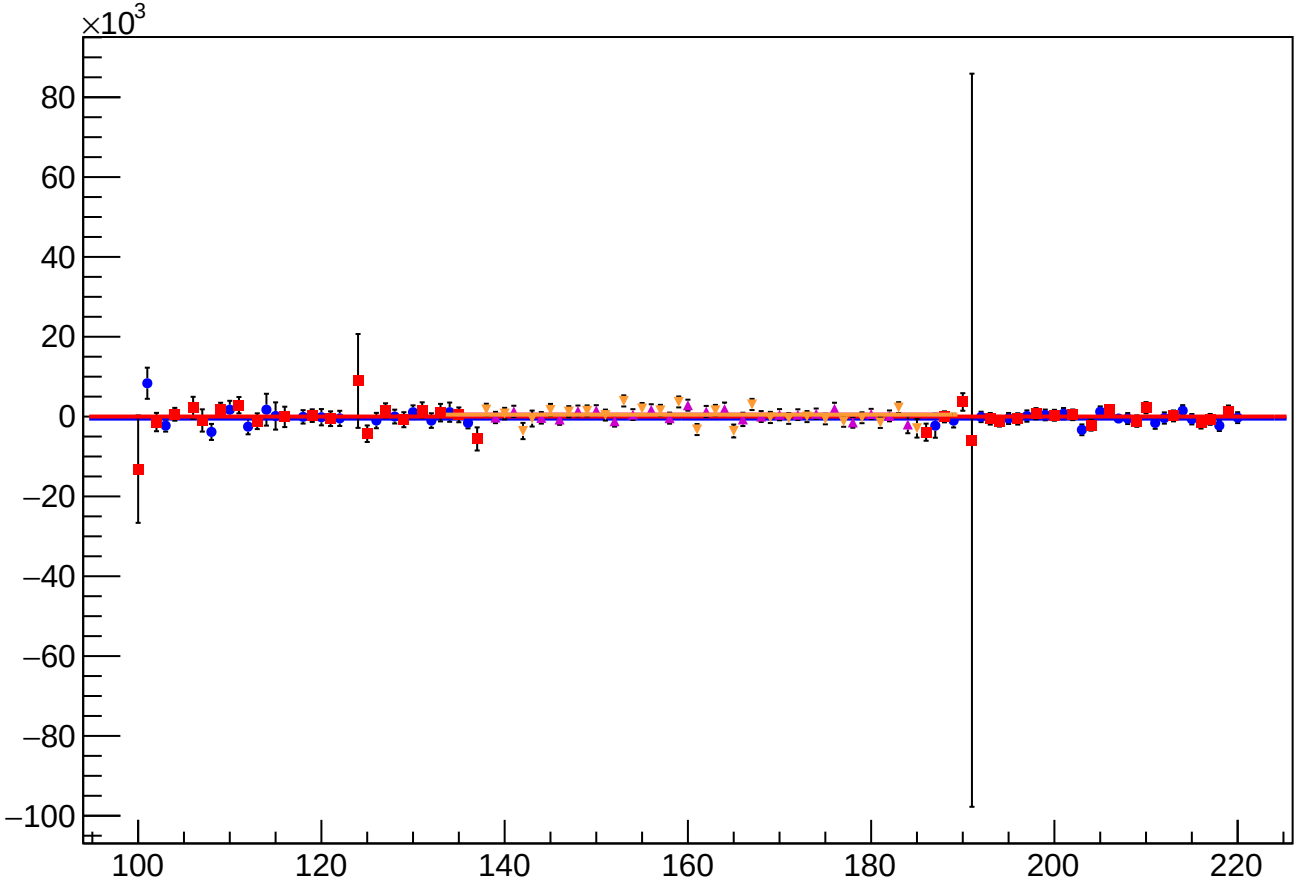
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 38092046.4/57

All: 0.000+/-0.000 χ^2/NDF: 70340342.2/117

- sign 0.000+/-0.000 χ^2/NDF: 21530972.9/59

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -508.315+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 10.411+/-281.970 χ^2/NDF: 33.5/36

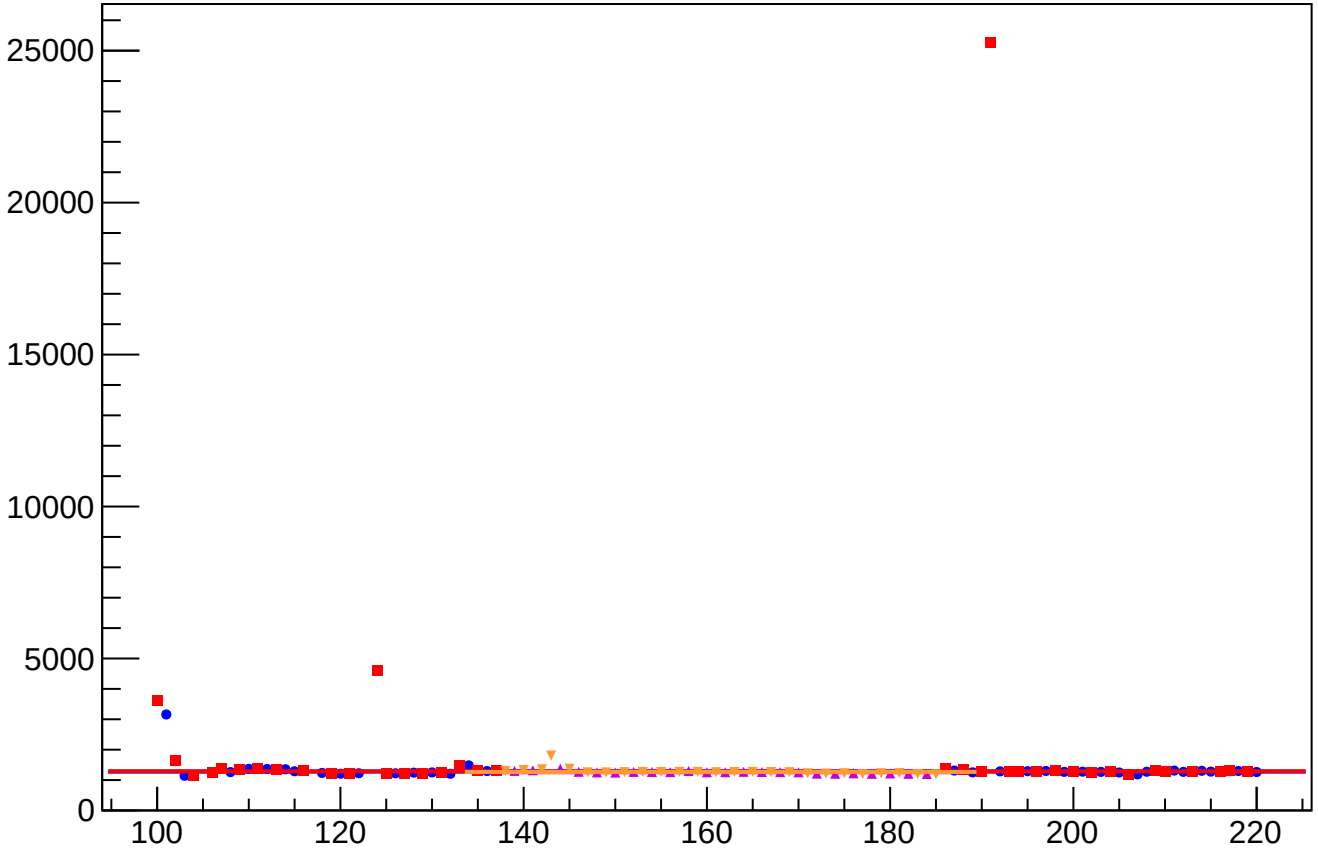
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

\+ sign -22.136+/-201.120 χ^2/NDF: 79.3/57

All: 106.873+/-143.022 χ^2/NDF: 129.4/117

\- sign 238.857+/-203.426 χ^2/NDF: 49.3/59

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1278.918+/-0.198 χ^2/NDF: 530826.5/32

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

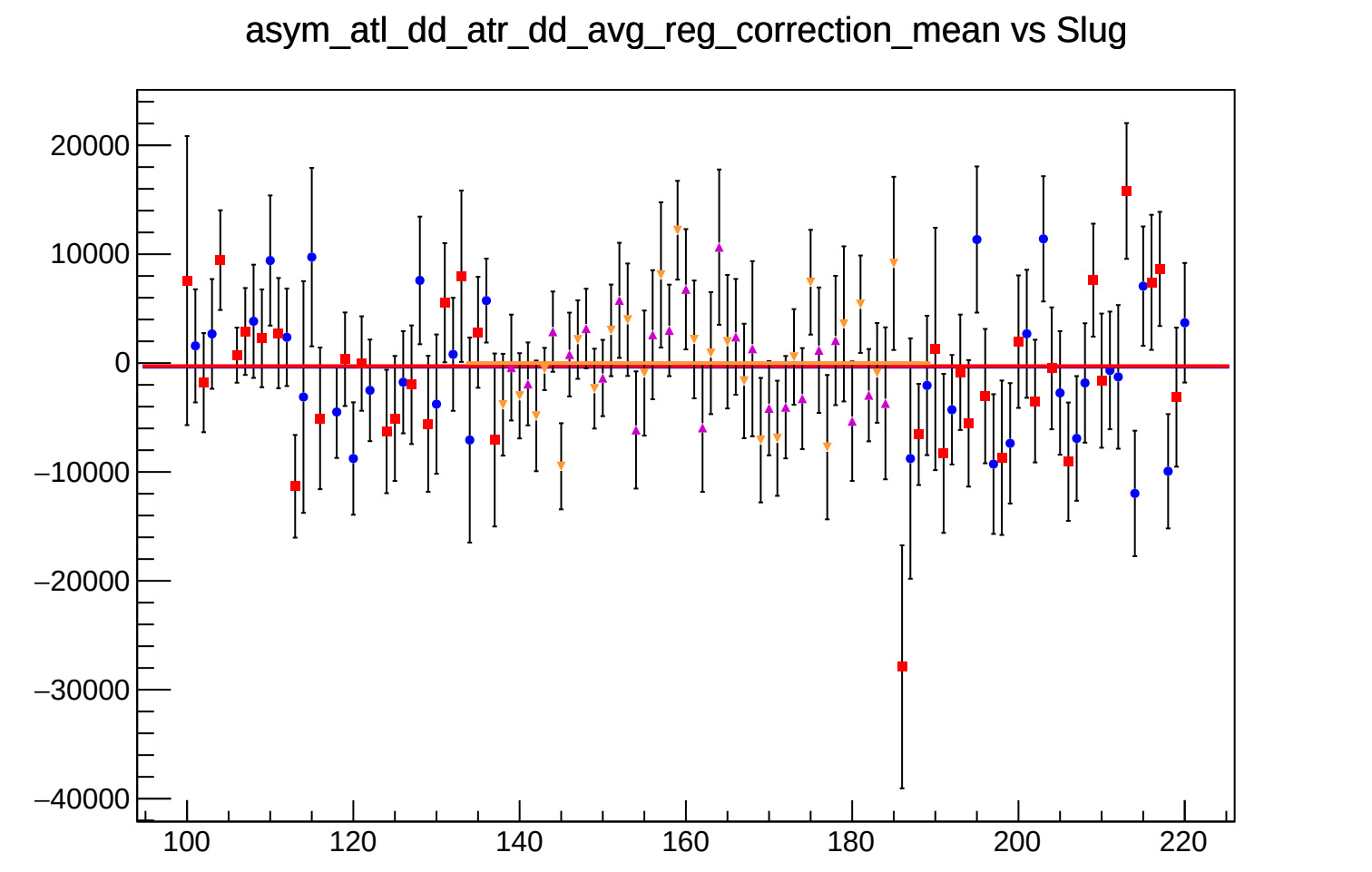
Right Out: 1288.492+/-0.199 χ^2/NDF: 483574.3/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.110+/-0.142 χ^2/NDF: 720136.0/57

All: 1273.386+/-0.101 χ^2/NDF: 1252091.1/11

- sign 1273.669+/-0.144 χ^2/NDF: 531947.5/59



Right In: -338.252+/-969.086 χ^2/NDF: 38.5/32

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

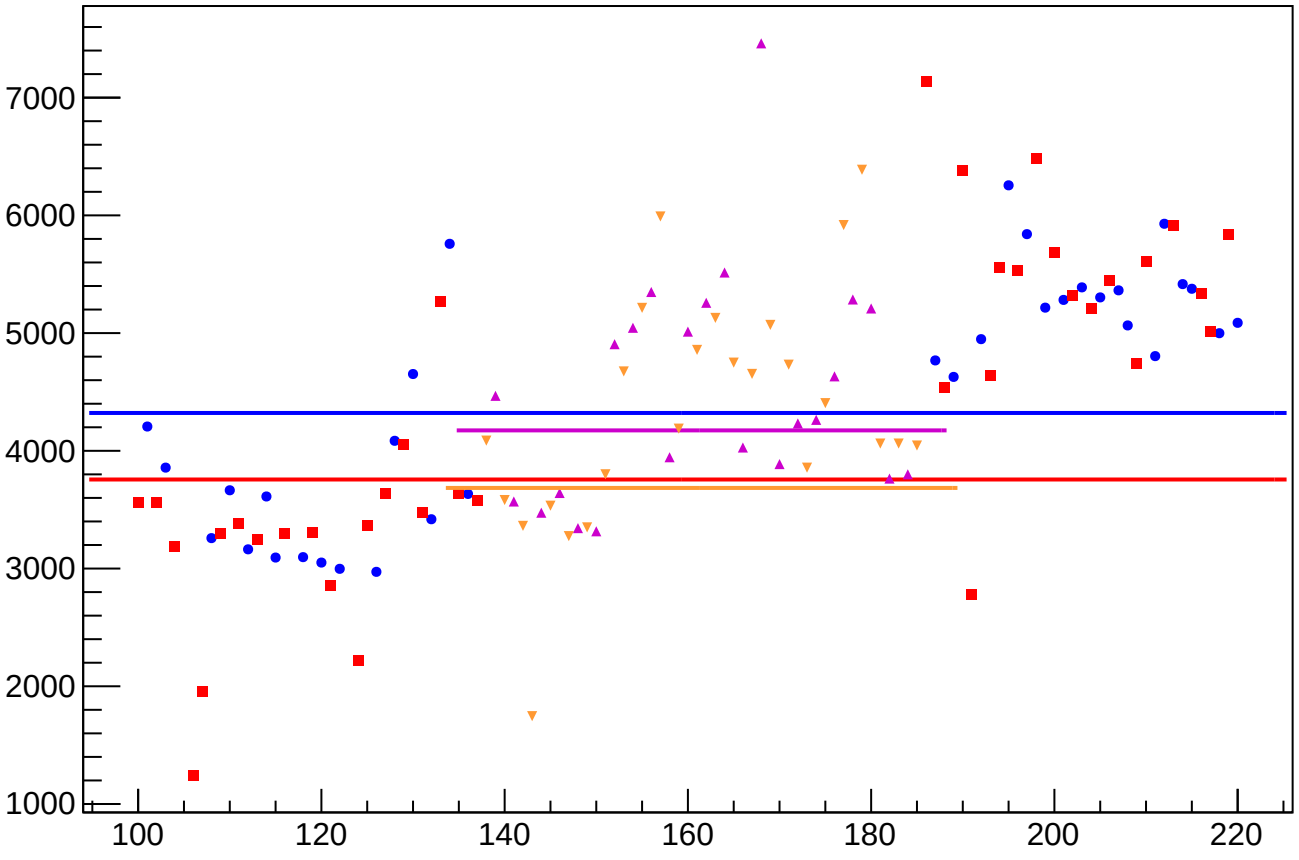
Right Out: -274.259+/-875.989 χ^2/NDF: 46.8/36

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

\+ sign -154.428+/-654.097 χ^2/NDF: 67.7/57

All: -161.347+/-463.746 χ^2/NDF: 128.6/117

\- sign -168.341+/-657.590 χ^2/NDF: 60.9/59



Right In: 4321.635+/-0.685 χ^2/NDF: 2116489.4/32

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3756.437+/-0.619 χ^2/NDF: 5567877.2/36

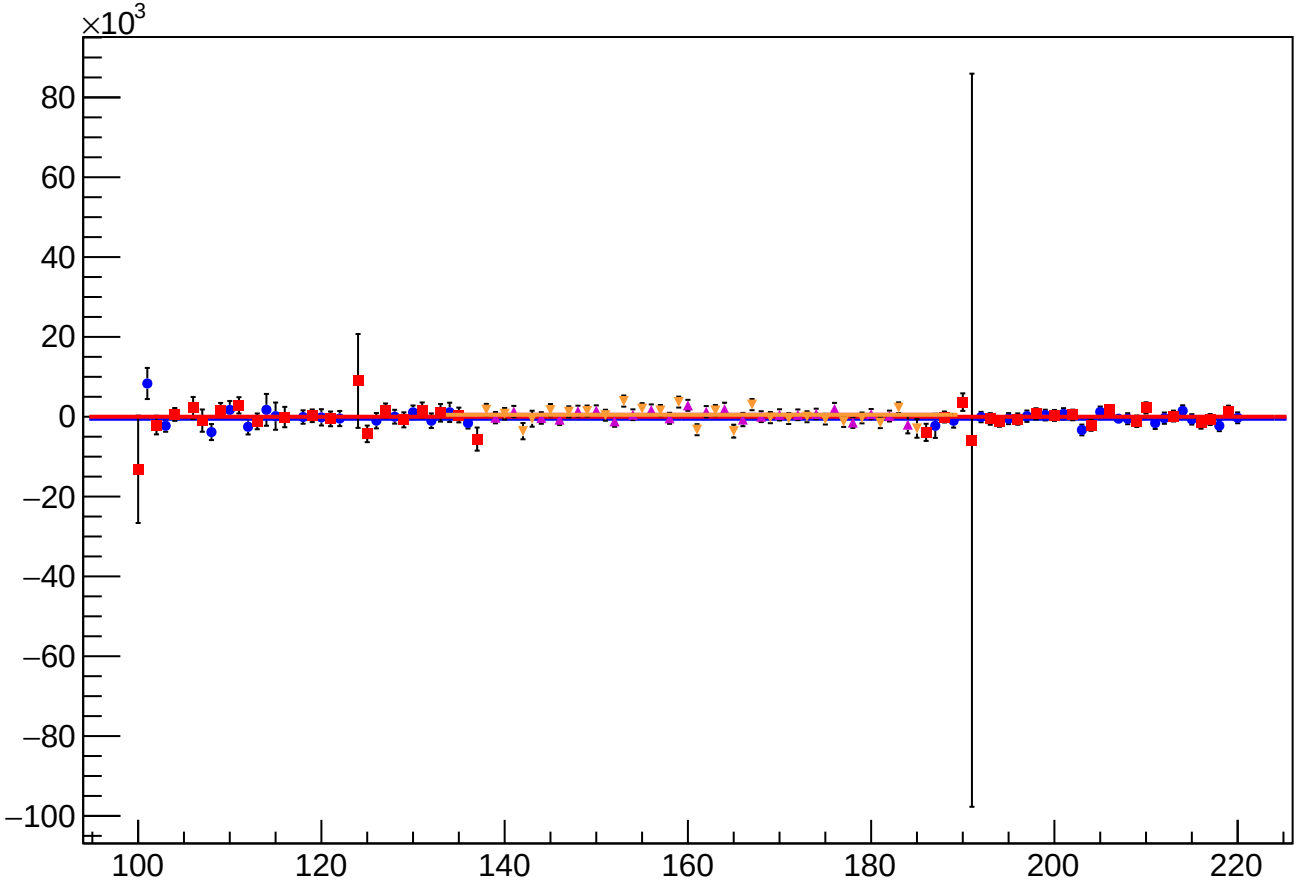
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3974.909+/-0.463 χ^2/NDF: 6280398.1/57

All: 3956.801+/-0.328 χ^2/NDF: 13324256.2/1

\- sign 3938.499+/-0.465 χ^2/NDF: 7040776.2/59

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -508.439+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 0.721+/-282.033 χ^2/NDF: 33.9/36

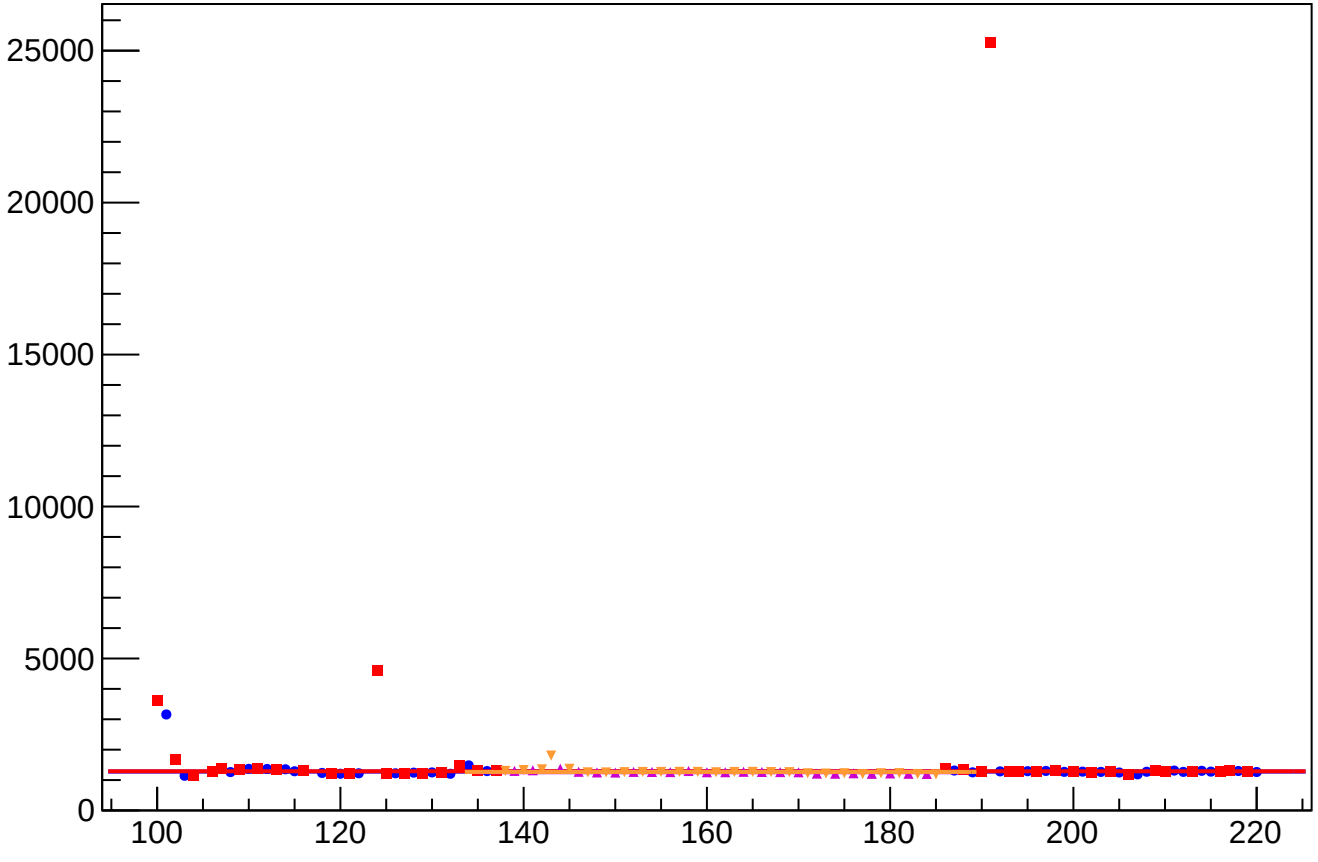
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -22.191+/-201.120 χ^2/NDF: 79.3/57

All: 104.339+/-143.030 χ^2/NDF: 129.9/117

- sign 233.819+/-203.450 χ^2/NDF: 49.8/59

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1278.917+/-0.198 χ^2/NDF: 530828.0/32

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

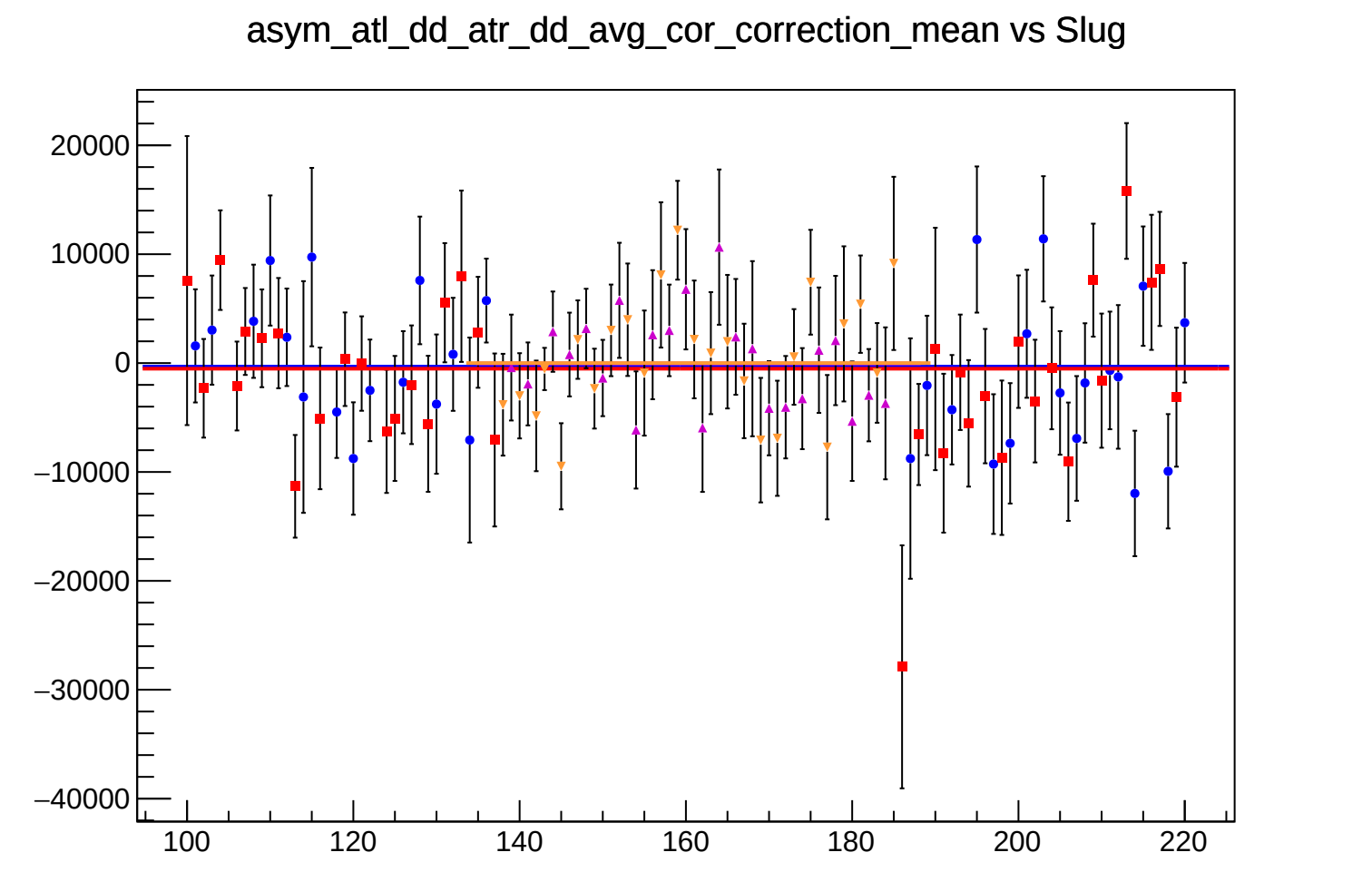
Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.110+/-0.142 χ^2/NDF: 720137.4/57

All: 1273.555+/-0.101 χ^2/NDF: 1259505.6/11

- sign 1274.010+/-0.144 χ^2/NDF: 539348.4/59



Right In: -324.066+/-968.908 χ^2/NDF: 38.6/32

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

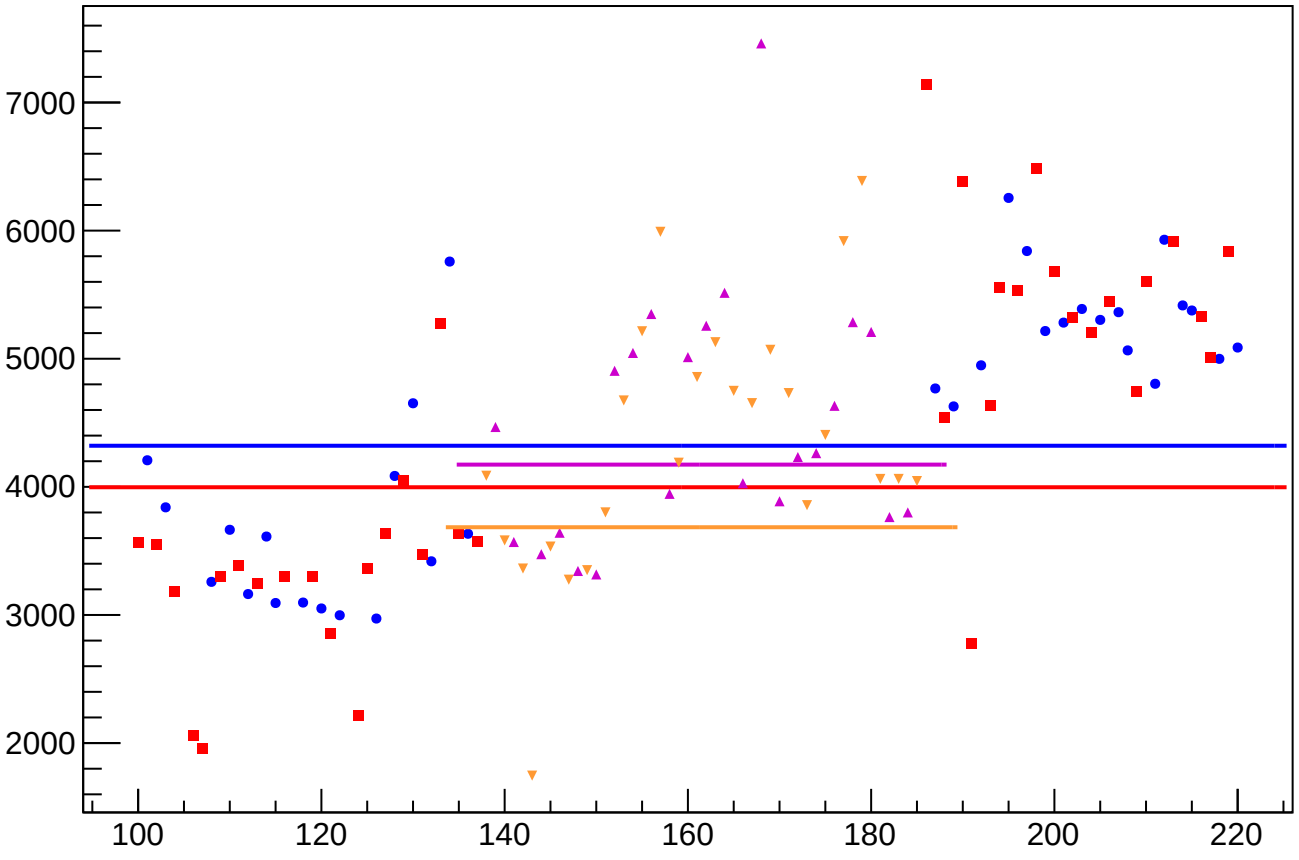
Right Out: -515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -147.960+/-654.042 χ^2/NDF: 67.7/57

All: -219.660+/-468.573 χ^2/NDF: 128.8/117

- sign -295.269+/-671.633 χ^2/NDF: 61.1/59



Right In: 4320.846+/-0.685 χ^2/NDF: 2117954.0/32

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

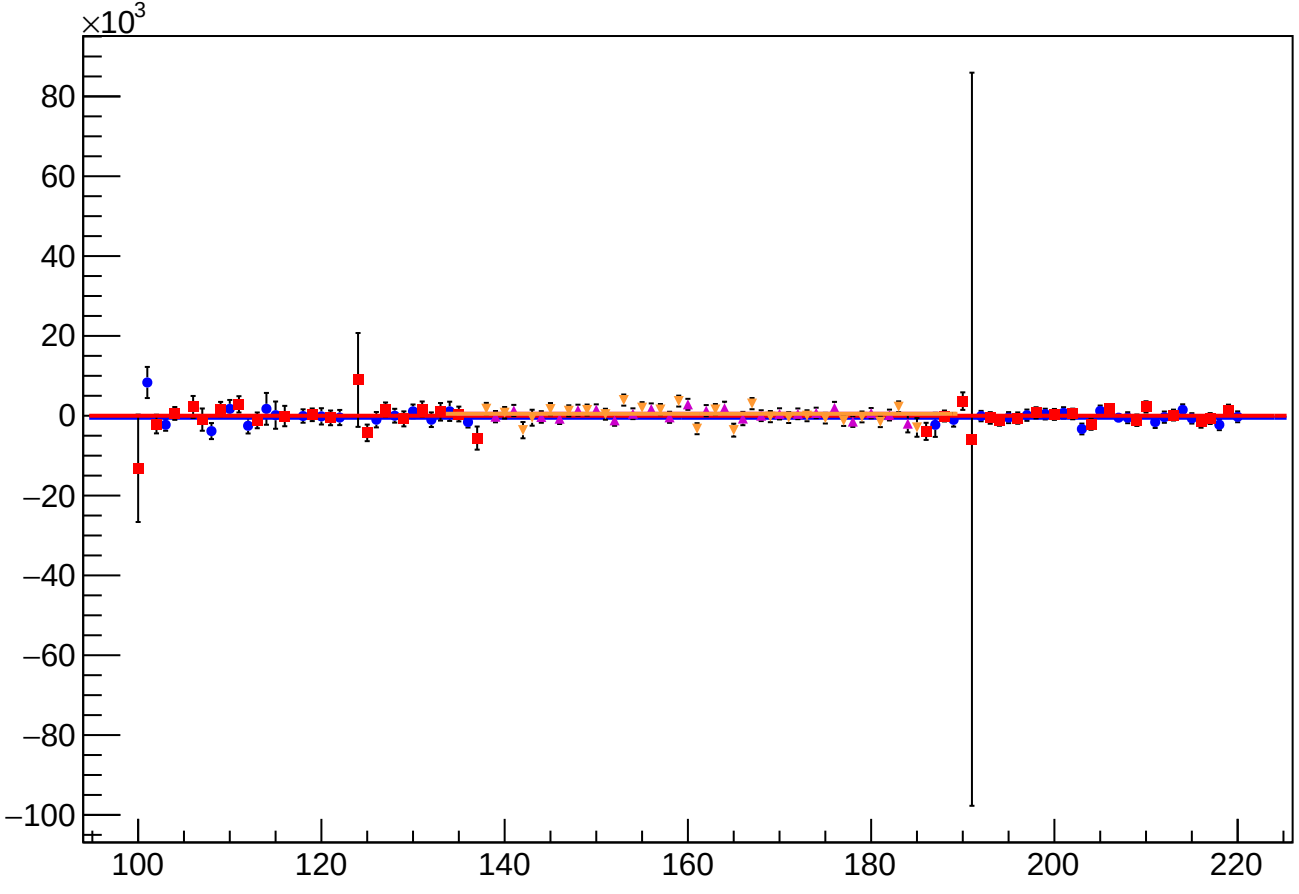
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3974.603+/-0.462 χ^2/NDF: 6280844.1/57

All: 4024.598+/-0.331 χ^2/NDF: 11411367.7/1

\- sign 4077.317+/-0.475 χ^2/NDF: 5106515.0/59

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -508.439+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 0.721+/-282.033 χ^2/NDF: 33.9/36

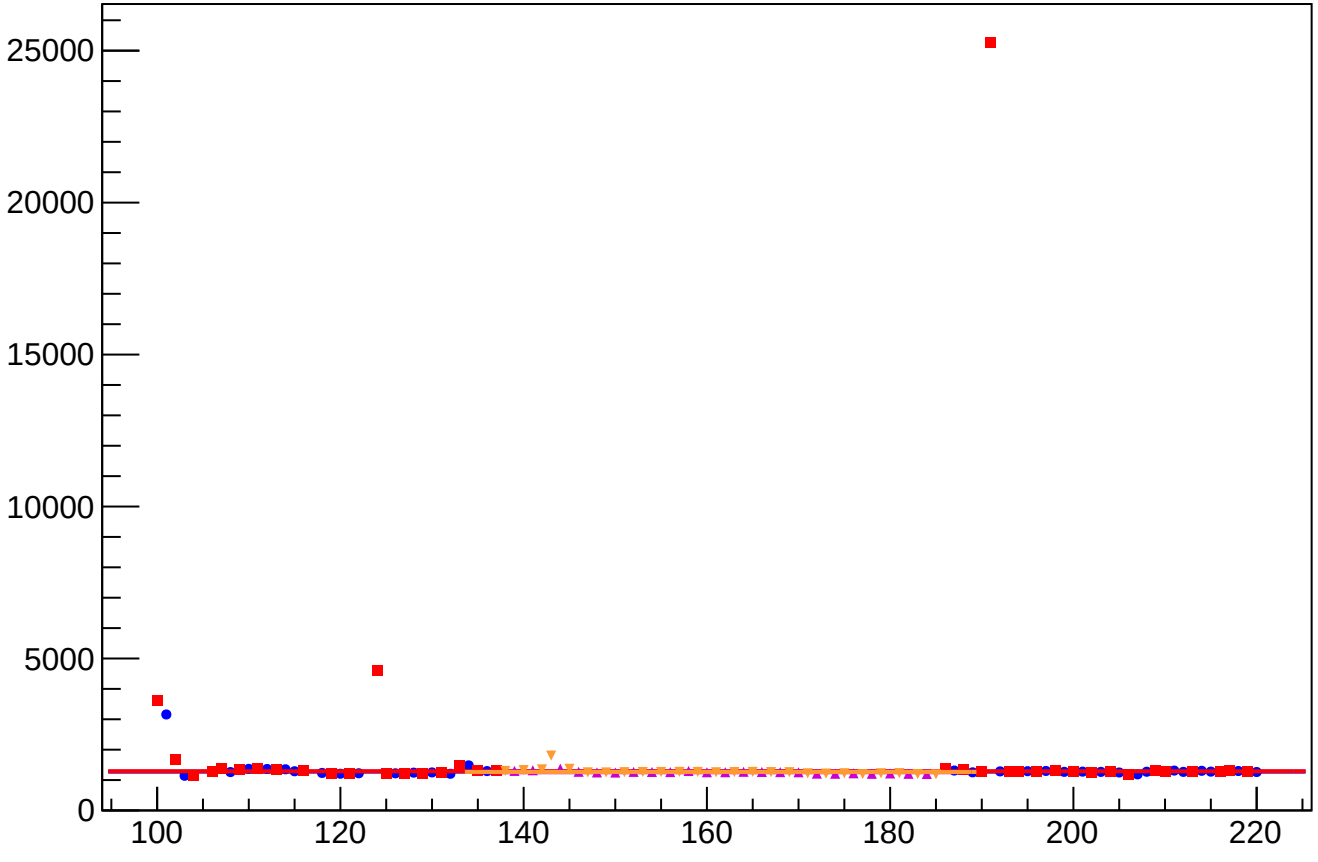
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -22.191+/-201.120 χ^2/NDF: 79.3/57

All: 104.339+/-143.030 χ^2/NDF: 129.9/117

- sign 233.819+/-203.450 χ^2/NDF: 49.8/59

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1278.917+/-0.198 χ^2/NDF: 530828.0/32

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

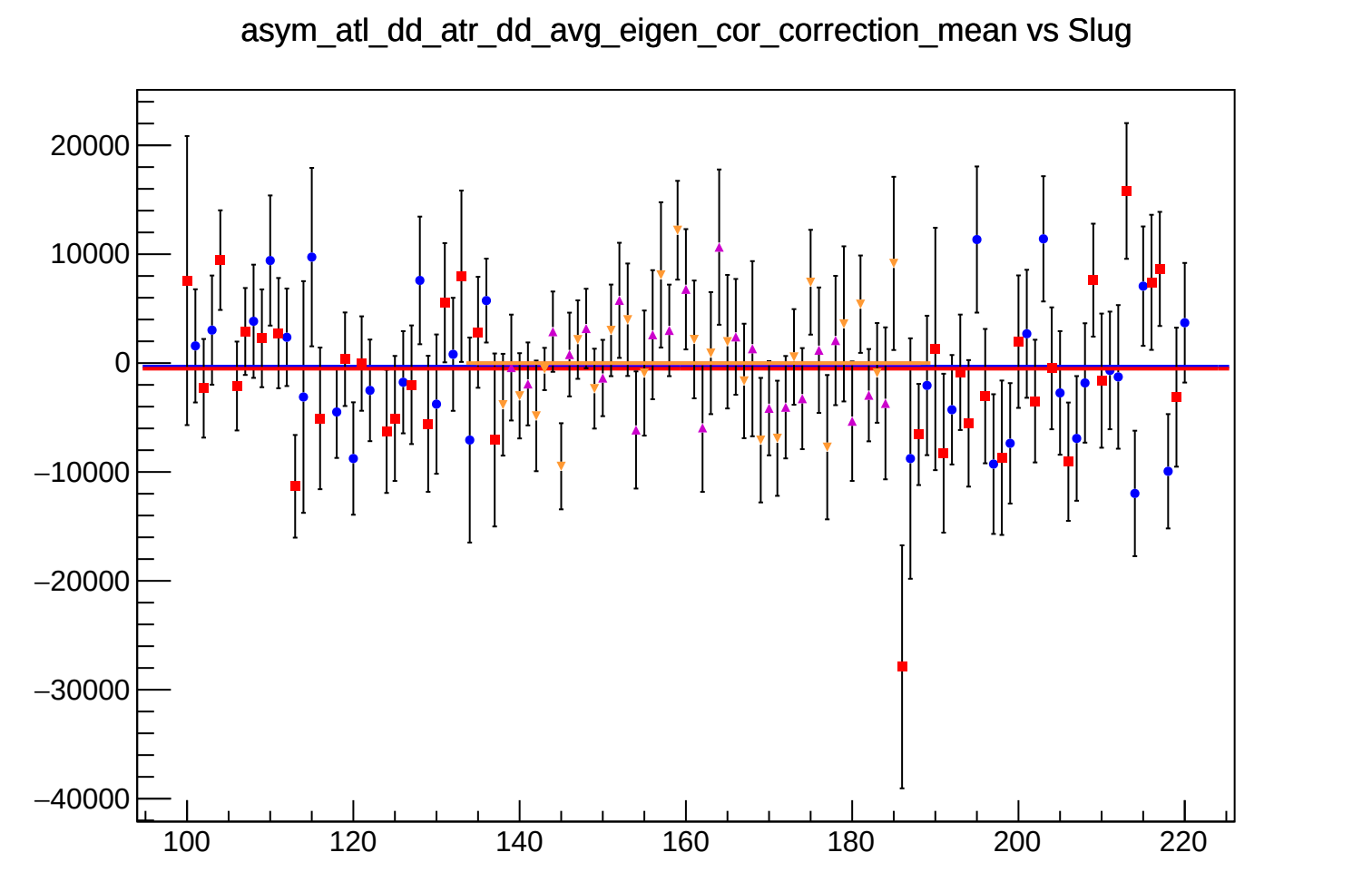
Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.110+/-0.142 χ^2/NDF: 720137.4/57

All: 1273.555+/-0.101 χ^2/NDF: 1259505.6/11

- sign 1274.010+/-0.144 χ^2/NDF: 539348.4/59



Right In: -324.066+/-968.908 χ^2/NDF: 38.6/32

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

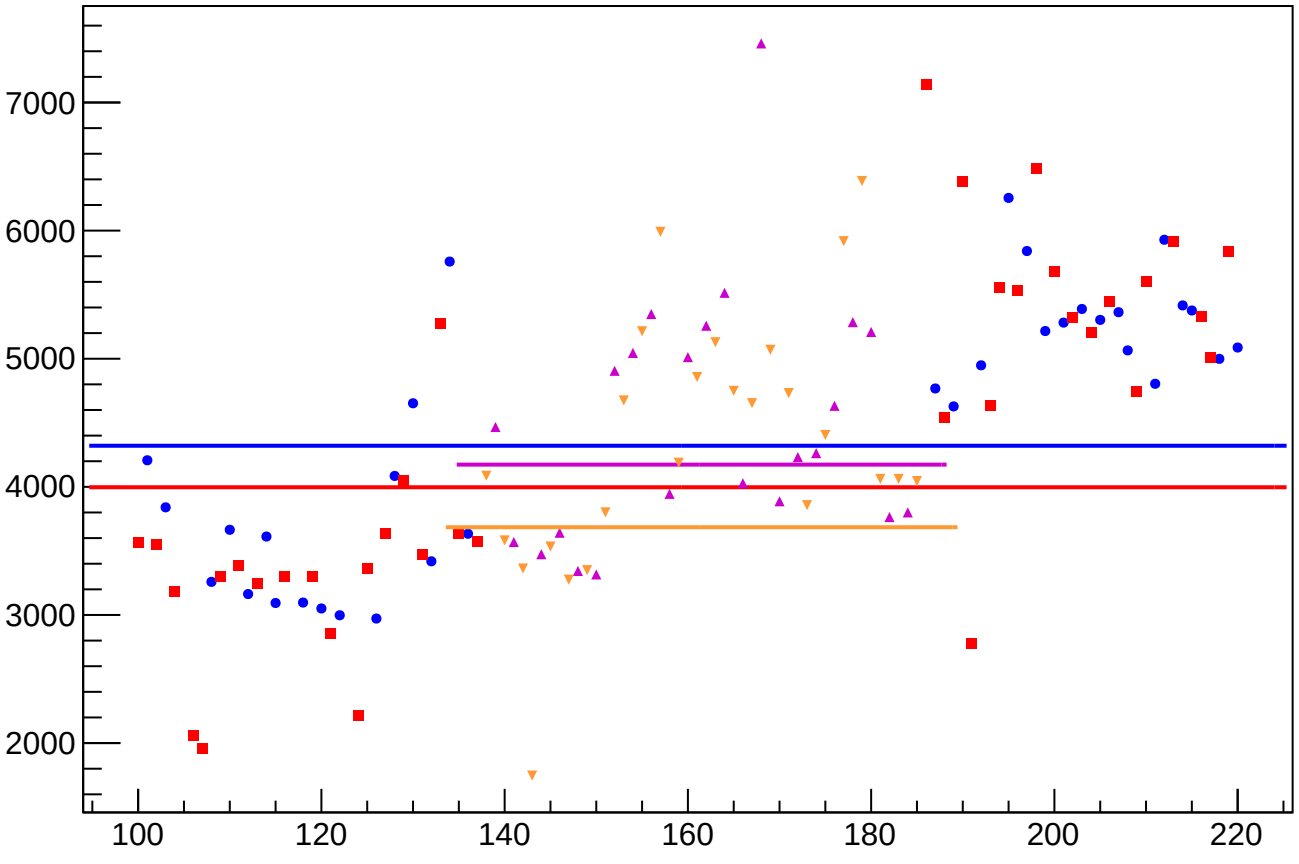
Right Out: -515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -147.960+/-654.042 χ^2/NDF: 67.7/57

All: -219.660+/-468.573 χ^2/NDF: 128.8/117

- sign -295.269+/-671.633 χ^2/NDF: 61.1/59



Right In: 4320.846+/-0.685 χ^2/NDF: 2117954.0/32

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

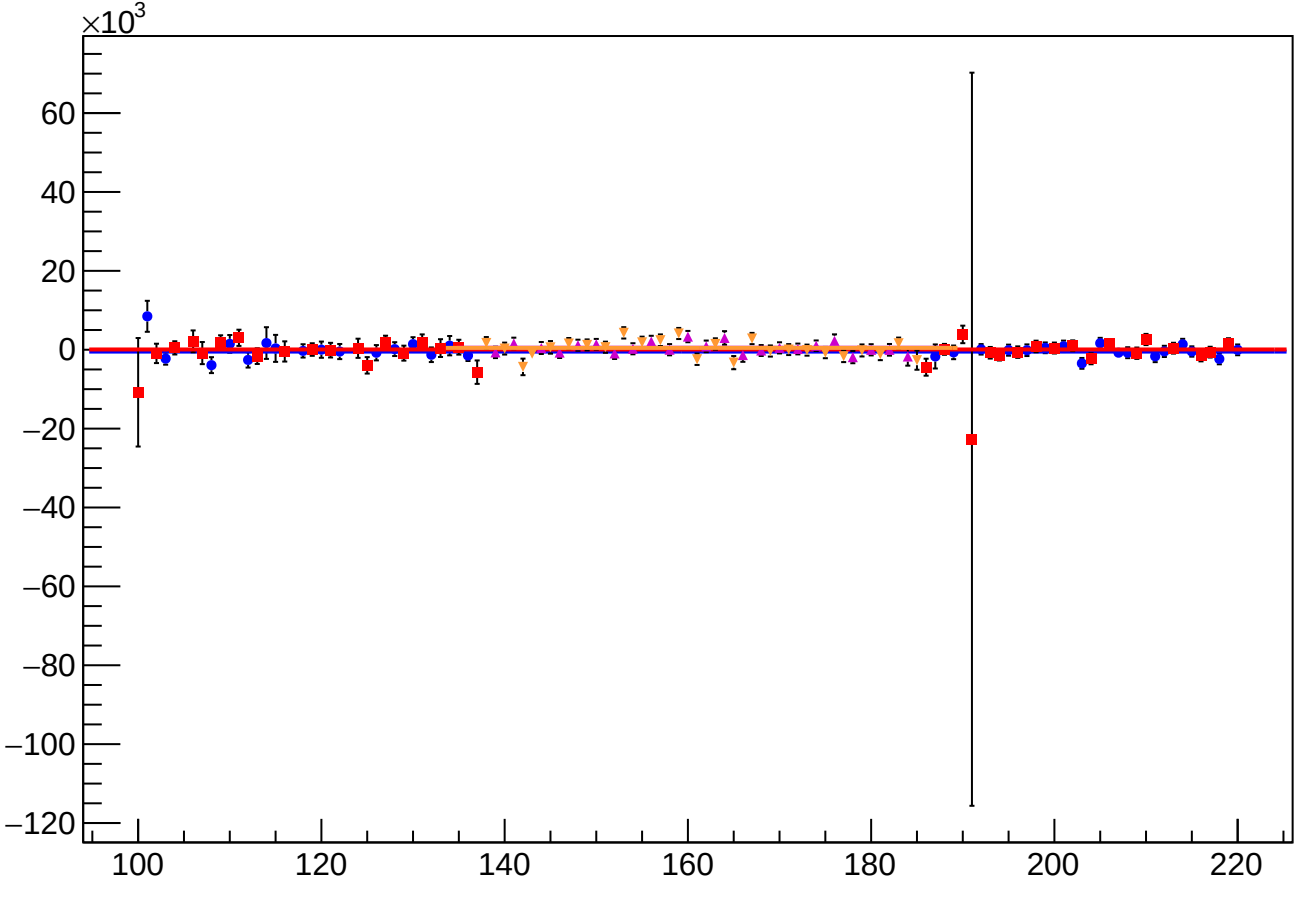
Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3974.603+/-0.462 χ^2/NDF: 6280844.1/57

All: 4024.598+/-0.331 χ^2/NDF: 11411367.7/1

- sign 4077.317+/-0.475 χ^2/NDF: 5106515.0/59



Right In: -470.448+/-283.880 χ^2/NDF: 27.7/32

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

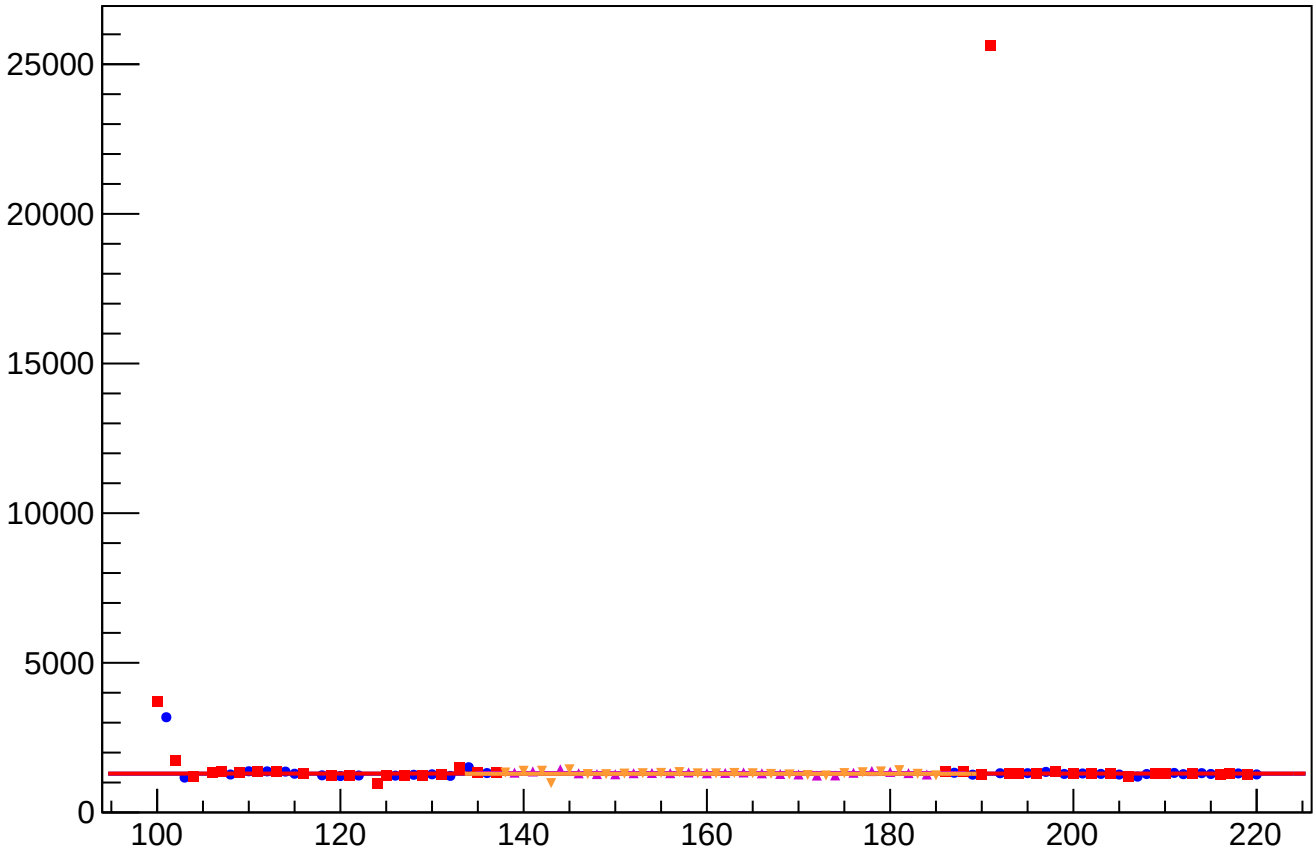
Right Out: 66.239+/-284.065 χ^2/NDF: 35.1/36

Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign -18.098+/-204.303 χ^2/NDF: 77.0/57

All: 121.989+/-145.932 χ^2/NDF: 131.6/117

\- sign 267.916+/-208.519 χ^2/NDF: 53.6/59



Right In: 1294.108+/-0.201 χ^2/NDF: 530919.3/32

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

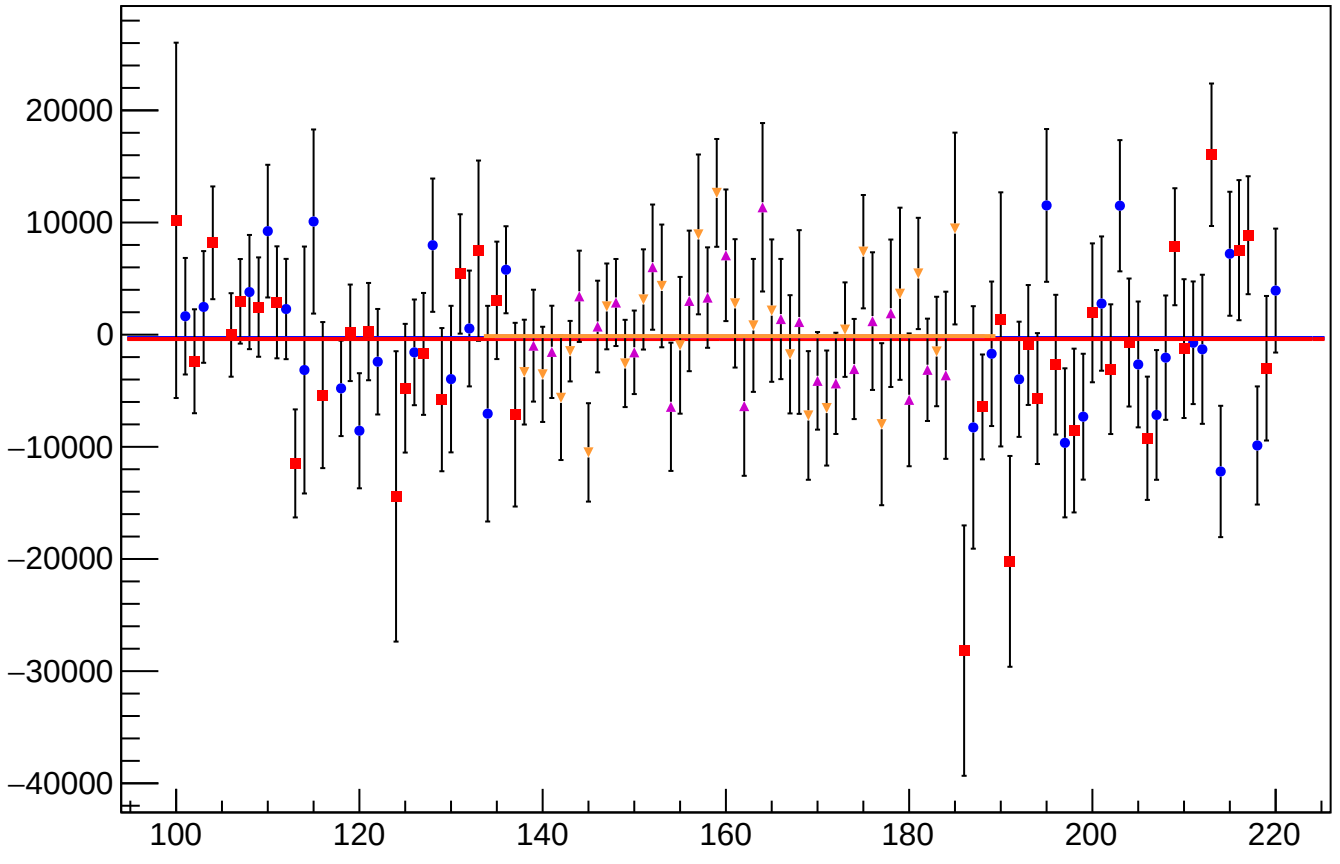
Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.2/36

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1292.711+/-0.144 χ^2/NDF: 761754.9/57

All: 1299.325+/-0.103 χ^2/NDF: 1190902.9/11

- sign 1306.213+/-0.147 χ^2/NDF: 424869.1/59



Right In: -299.963+/-974.878 χ^2/NDF: 38.5/32

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

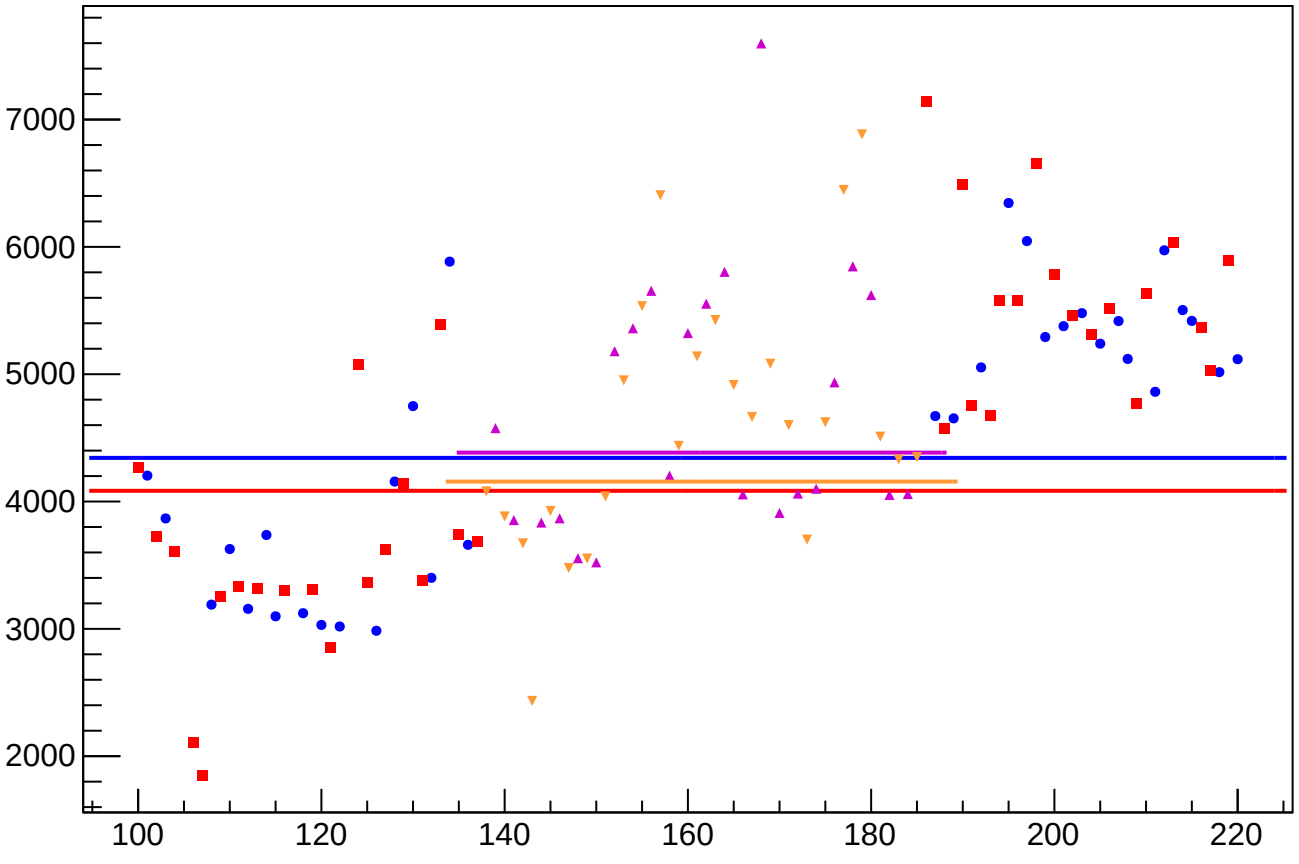
Right Out: -389.692+/-924.704 χ^2/NDF: 48.5/36

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -213.826+/-690.173 χ^2/NDF: 67.1/57

All: -251.097+/-488.902 χ^2/NDF: 129.4/117

- sign -288.637+/-692.656 χ^2/NDF: 62.3/59



Right In: 4342.960+/-0.689 χ^2/NDF: 2219094.7/32

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

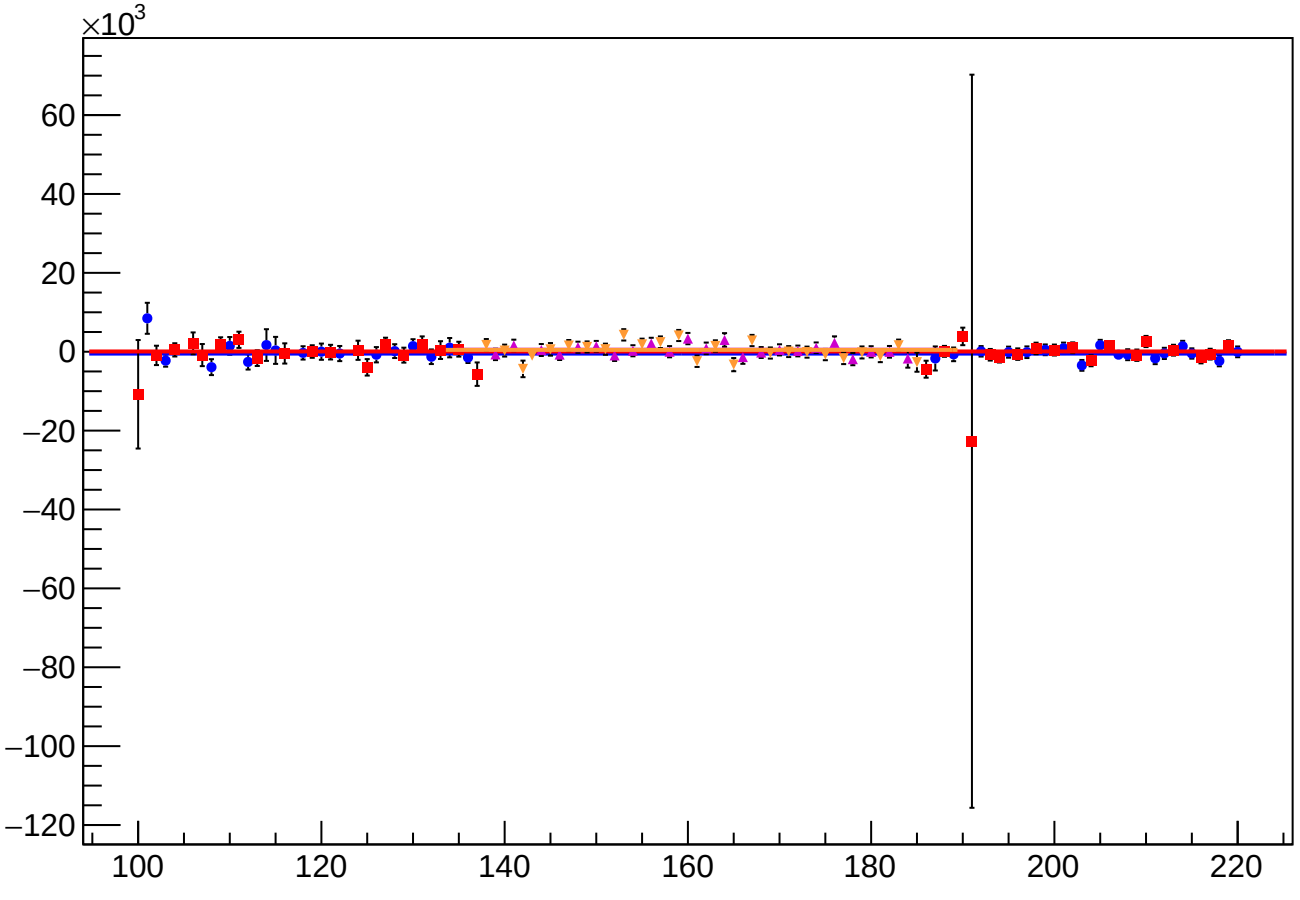
Right Out: 4084.304+/-0.654 χ^2/NDF: 3814574.7/36

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4249.995+/-0.488 χ^2/NDF: 4336323.0/57

All: 4233.052+/-0.346 χ^2/NDF: 9501193.8/11

- sign 4215.986+/-0.490 χ^2/NDF: 5162451.5/59



Right In: -470.446+/-283.880 χ^2/NDF: 27.7/32

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: 66.240+/-284.065 χ^2/NDF: 35.1/36

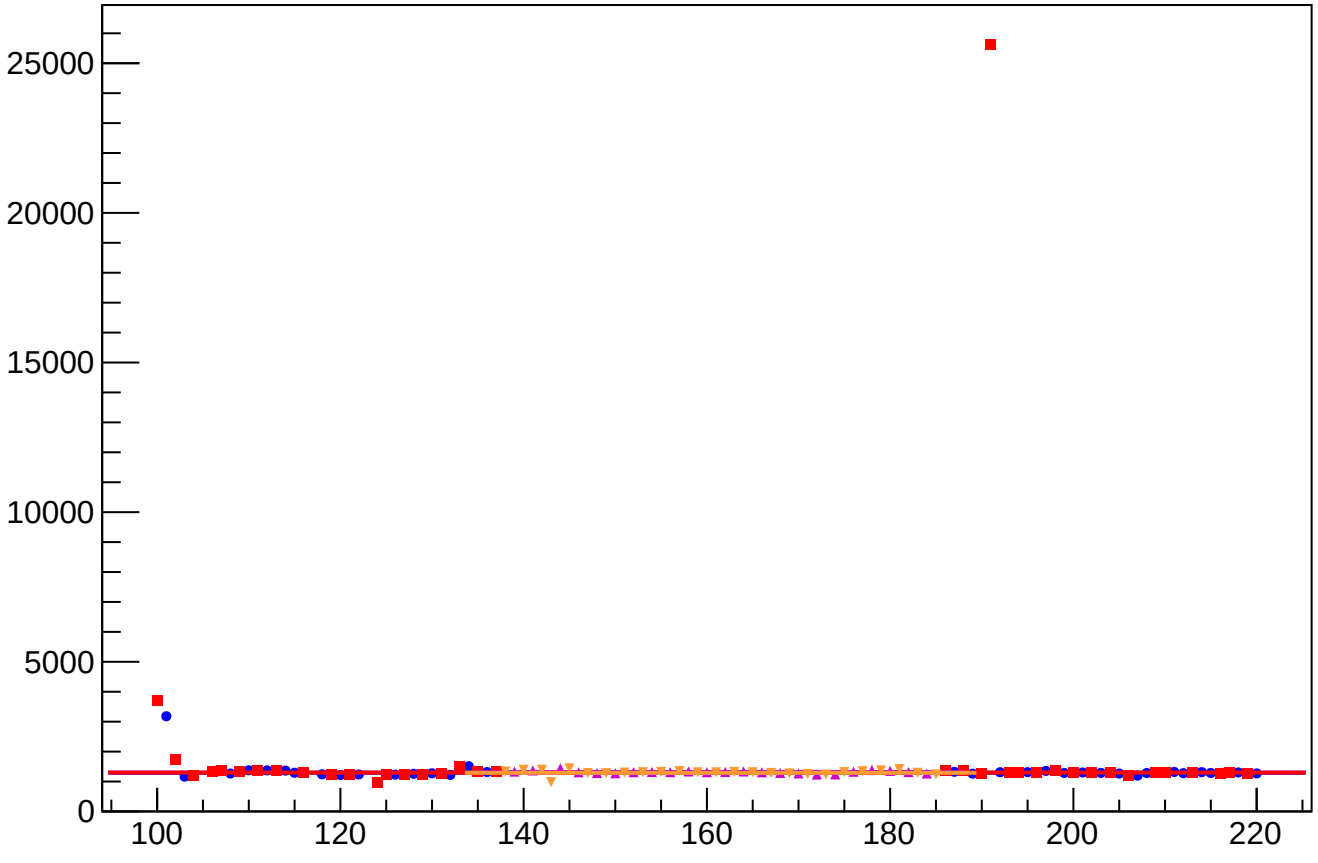
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign -18.095+/-204.304 χ^2/NDF: 77.0/57

All: 121.990+/-145.932 χ^2/NDF: 131.6/117

- sign 267.916+/-208.519 χ^2/NDF: 53.6/59

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1294.108+/-0.201 χ^2/NDF: 530919.5/32

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

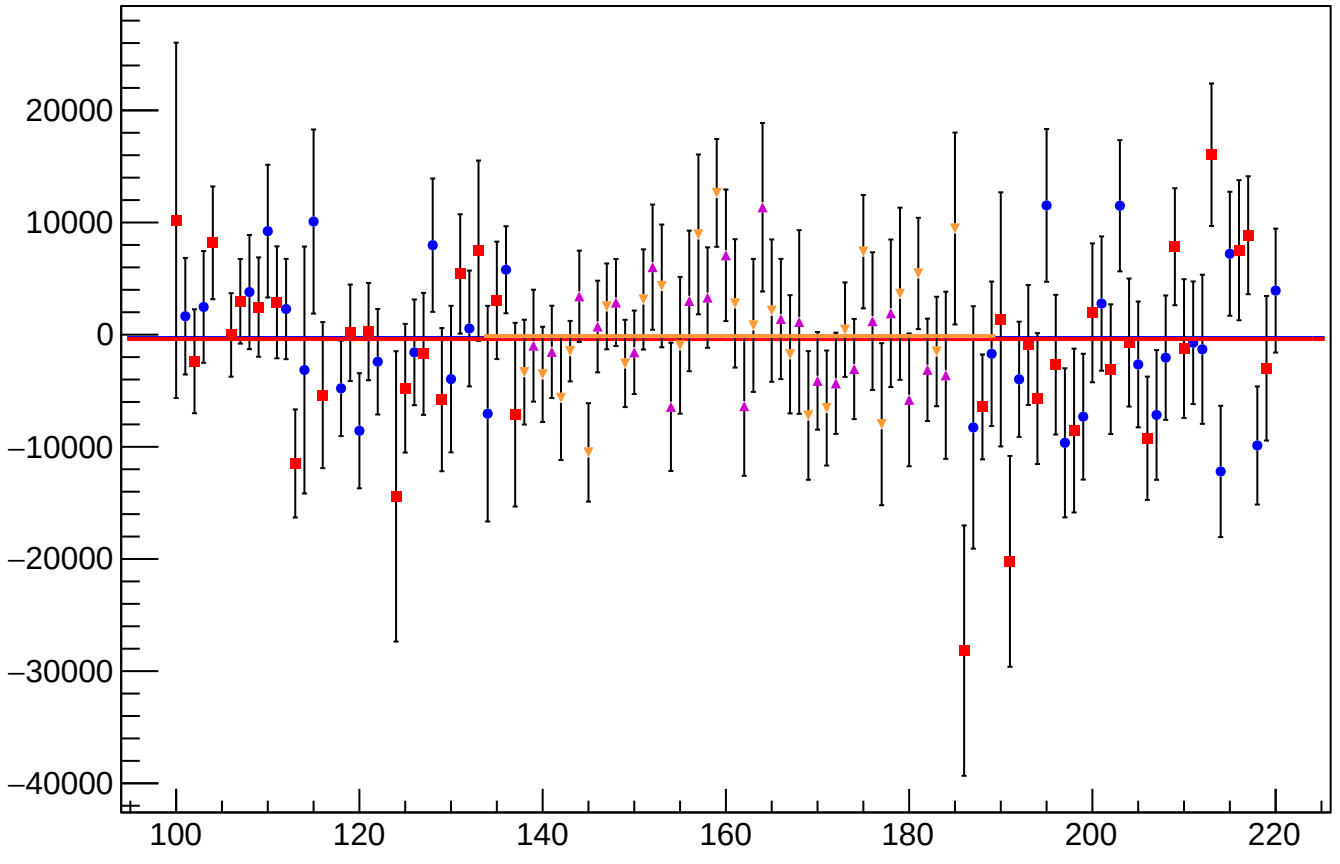
Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.3/36

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1292.712+/-0.144 χ^2/NDF: 761757.4/57

All: 1299.326+/-0.103 χ^2/NDF: 1190908.0/11

- sign 1306.214+/-0.147 χ^2/NDF: 424871.7/59



Right In: -299.966+/-974.878 χ^2/NDF: 38.5/32

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

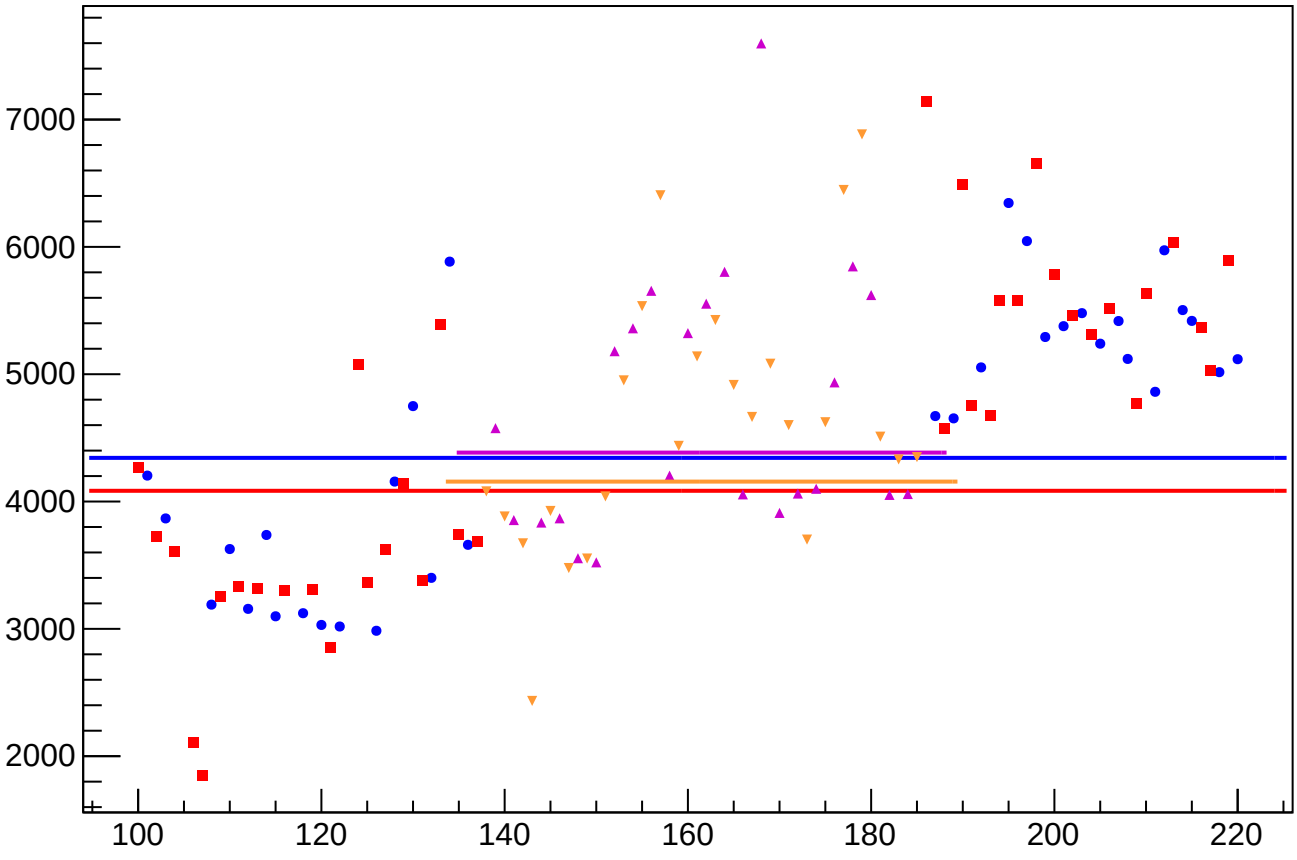
Right Out: -389.687+/-924.703 χ^2/NDF: 48.5/36

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -213.826+/-690.174 χ^2/NDF: 67.1/57

All: -251.096+/-488.902 χ^2/NDF: 129.4/117

- sign -288.635+/-692.656 χ^2/NDF: 62.3/59



Right In: 4342.955+/-0.689 χ^2/NDF: 2219134.0/32

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4084.299+/-0.654 χ^2/NDF: 3814613.1/36

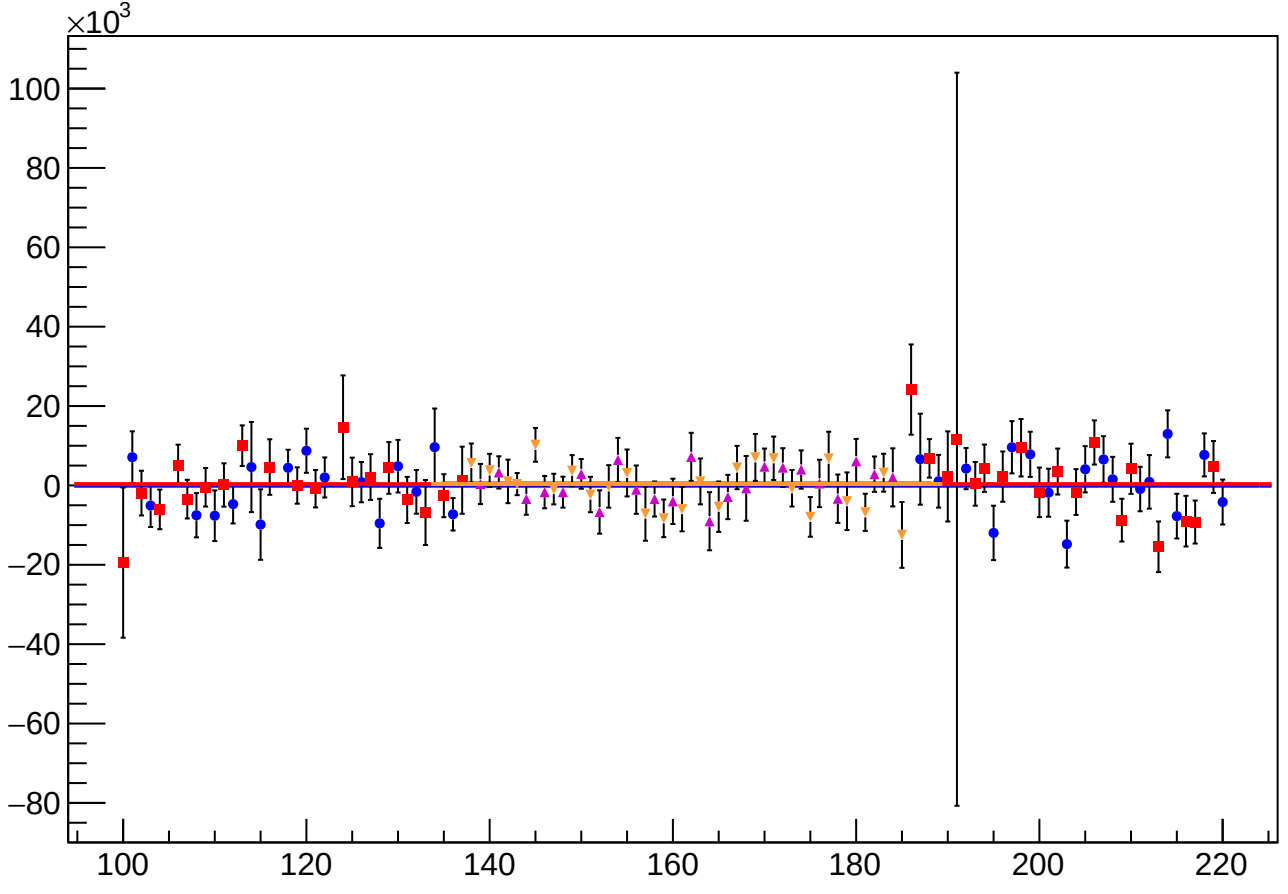
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4249.997+/-0.488 χ^2/NDF: 4336360.7/57

All: 4233.052+/-0.346 χ^2/NDF: 9501282.0/11

- sign 4215.986+/-0.490 χ^2/NDF: 5162501.6/59

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -68.894+/-1023.233 χ^2/NDF: 44.0/32

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 330.825+/-996.314 χ^2/NDF: 39.1/36

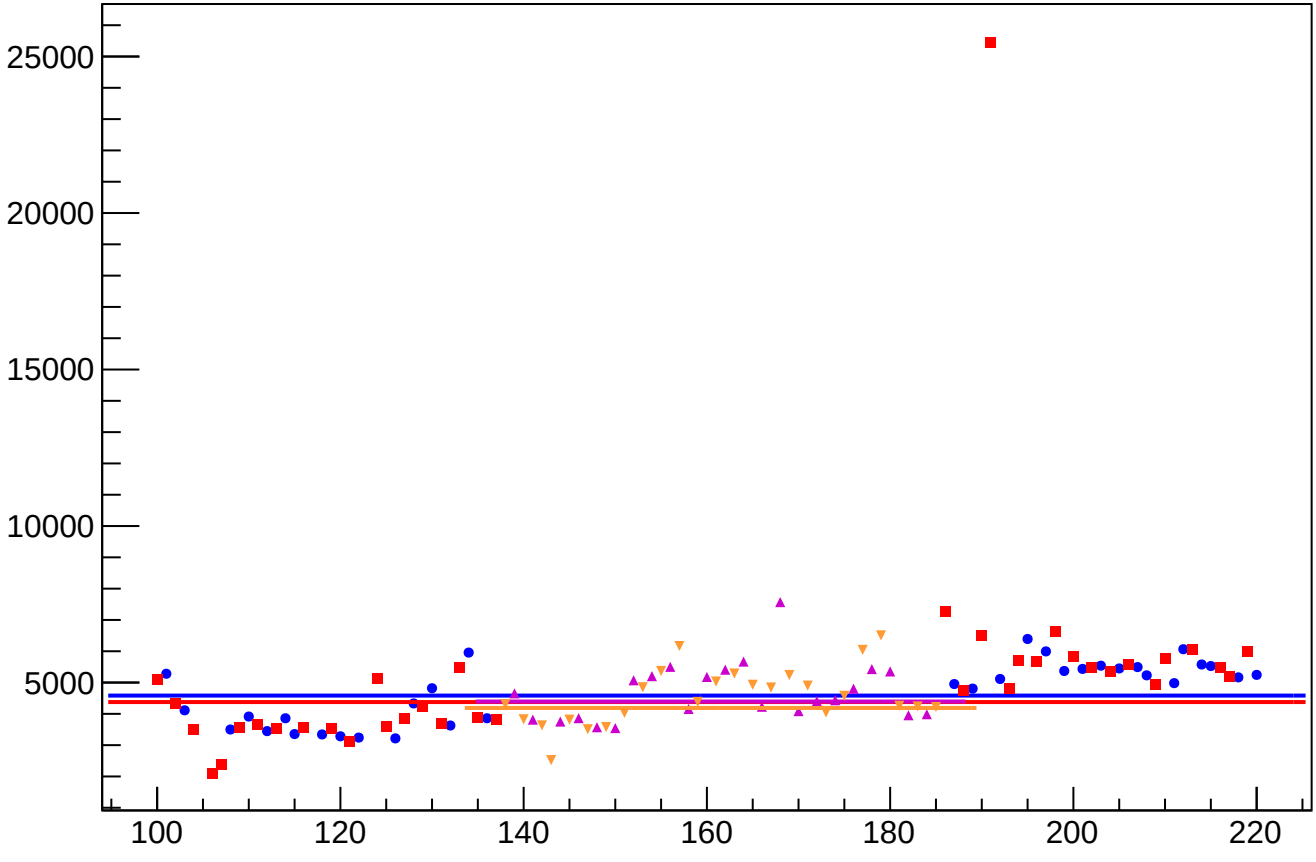
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 156.154+/-707.702 χ^2/NDF: 71.7/57

All: 280.824+/-505.057 χ^2/NDF: 124.8/117

- sign 410.223+/-721.002 χ^2/NDF: 53.0/59

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4583.580+/-0.724 χ^2/NDF: 1778156.8/32

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

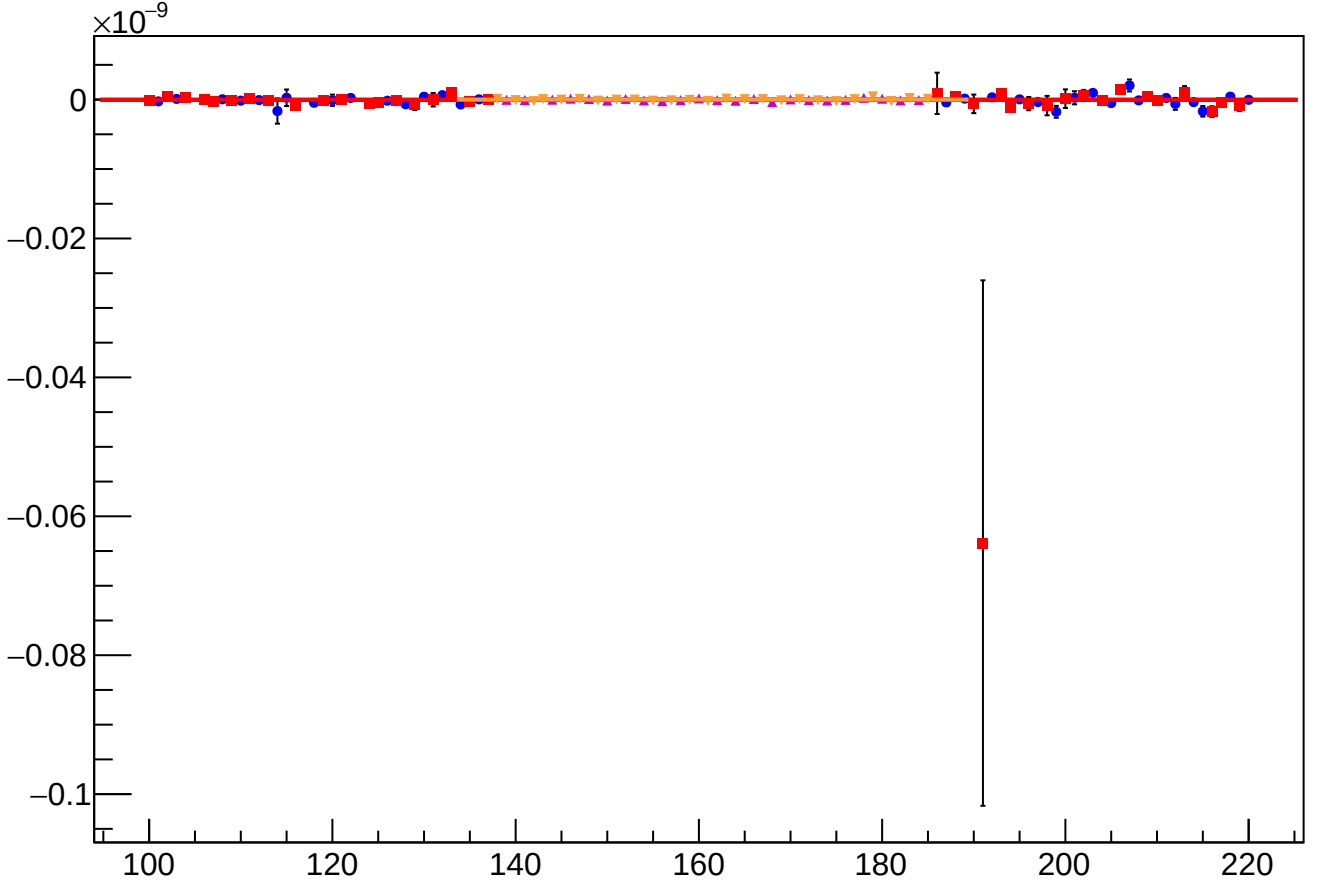
Right Out: 4376.780+/-0.699 χ^2/NDF: 3014582.8/36

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4377.150+/-0.500 χ^2/NDF: 3730550.7/57

All: 4381.052+/-0.356 χ^2/NDF: 7833949.3/11

- sign 4385.069+/-0.508 χ^2/NDF: 4103275.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

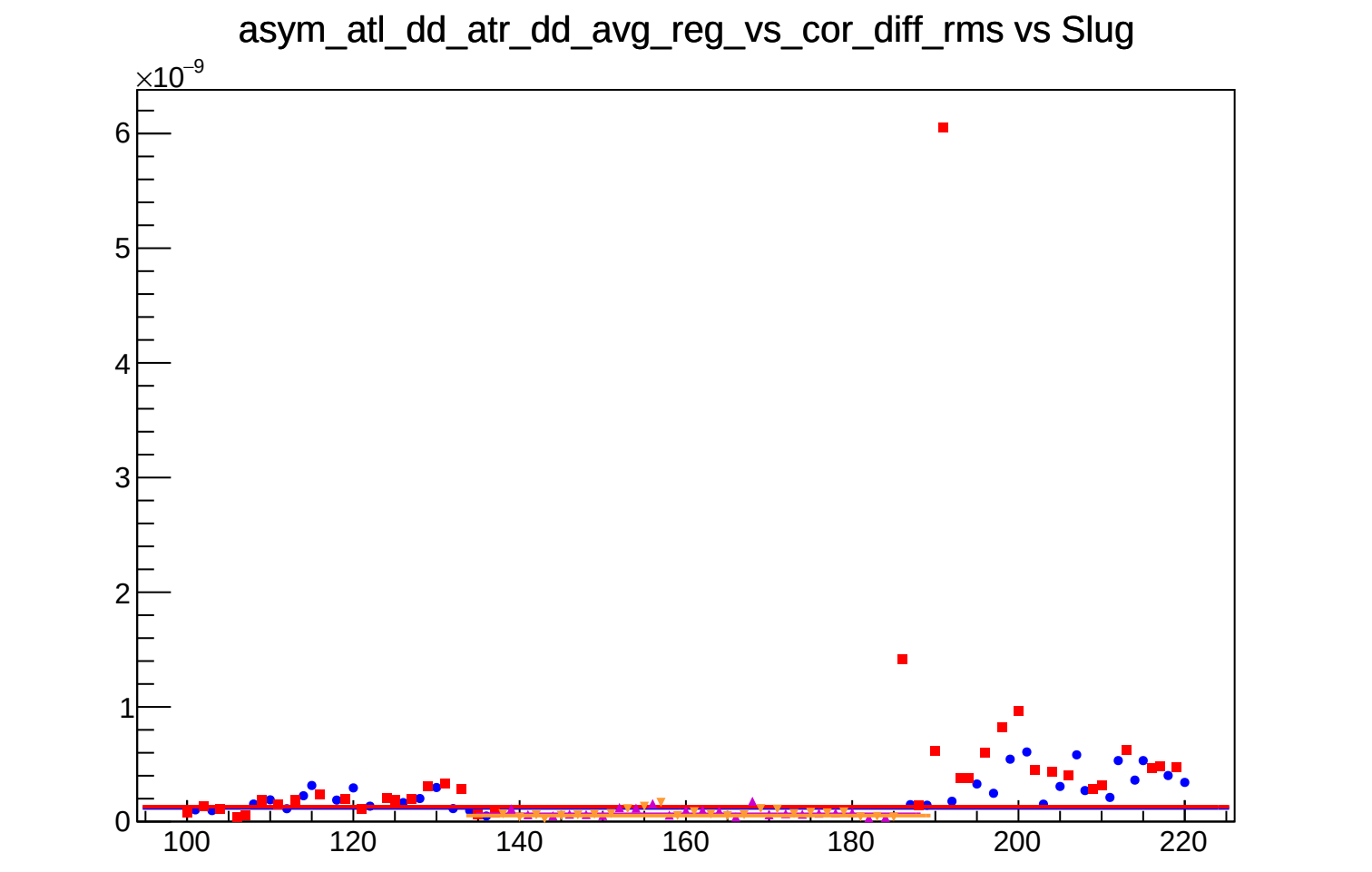
Right Out: -0.000+/-0.000 χ^2/NDF: 41.4/36

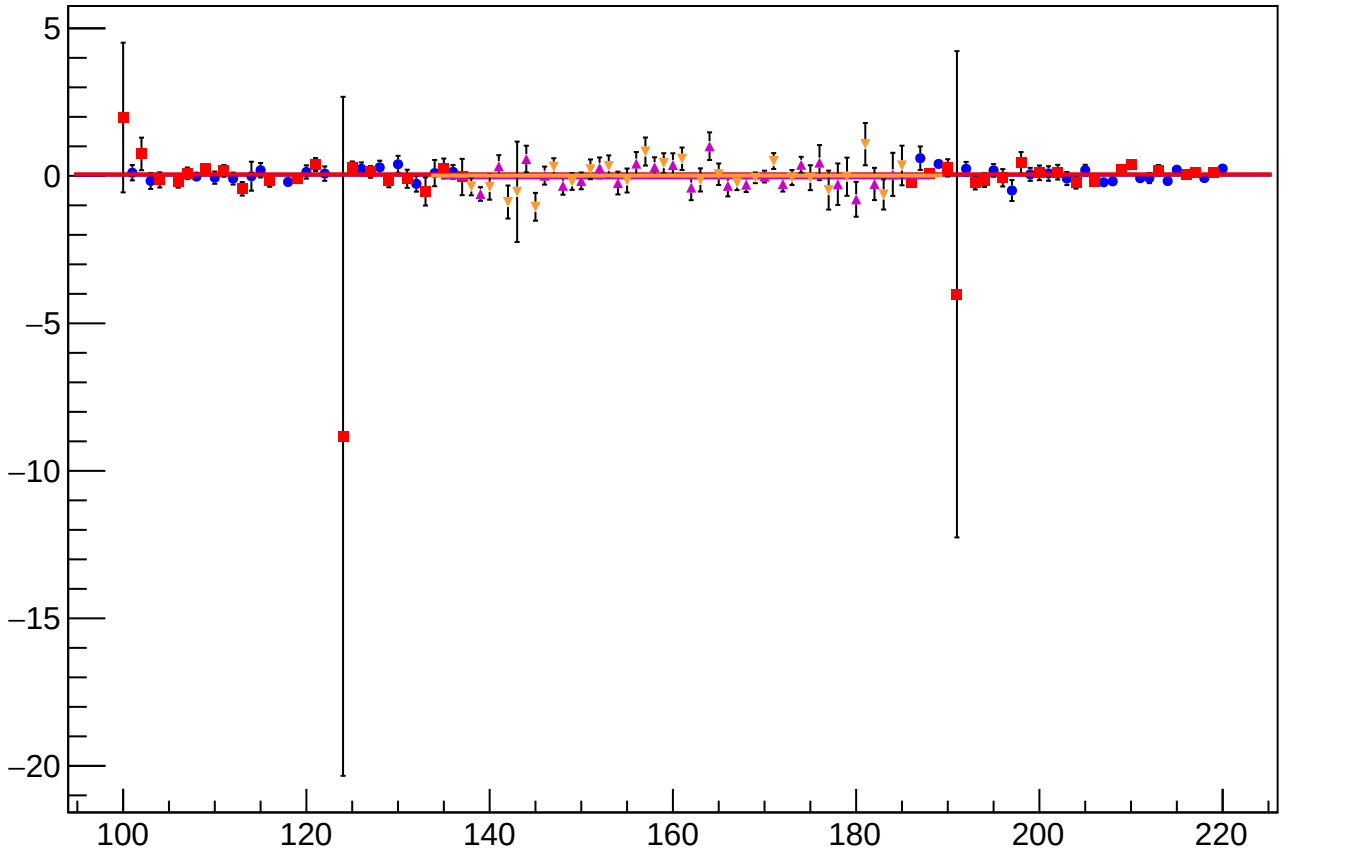
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.5/57

All: -0.000+/-0.000 χ^2/NDF: 130.1/117

- sign -0.000+/-0.000 χ^2/NDF: 58.4/59


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
220
Right In: 0.000+/-0.000 χ²/NDF: 6570937.1/32
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8717055.0/36
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11820612.6/57
All: 0.000+/-0.000 χ²/NDF: 24748481.2/117
- sign 0.000+/-0.000 χ²/NDF: 12634307.7/59



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

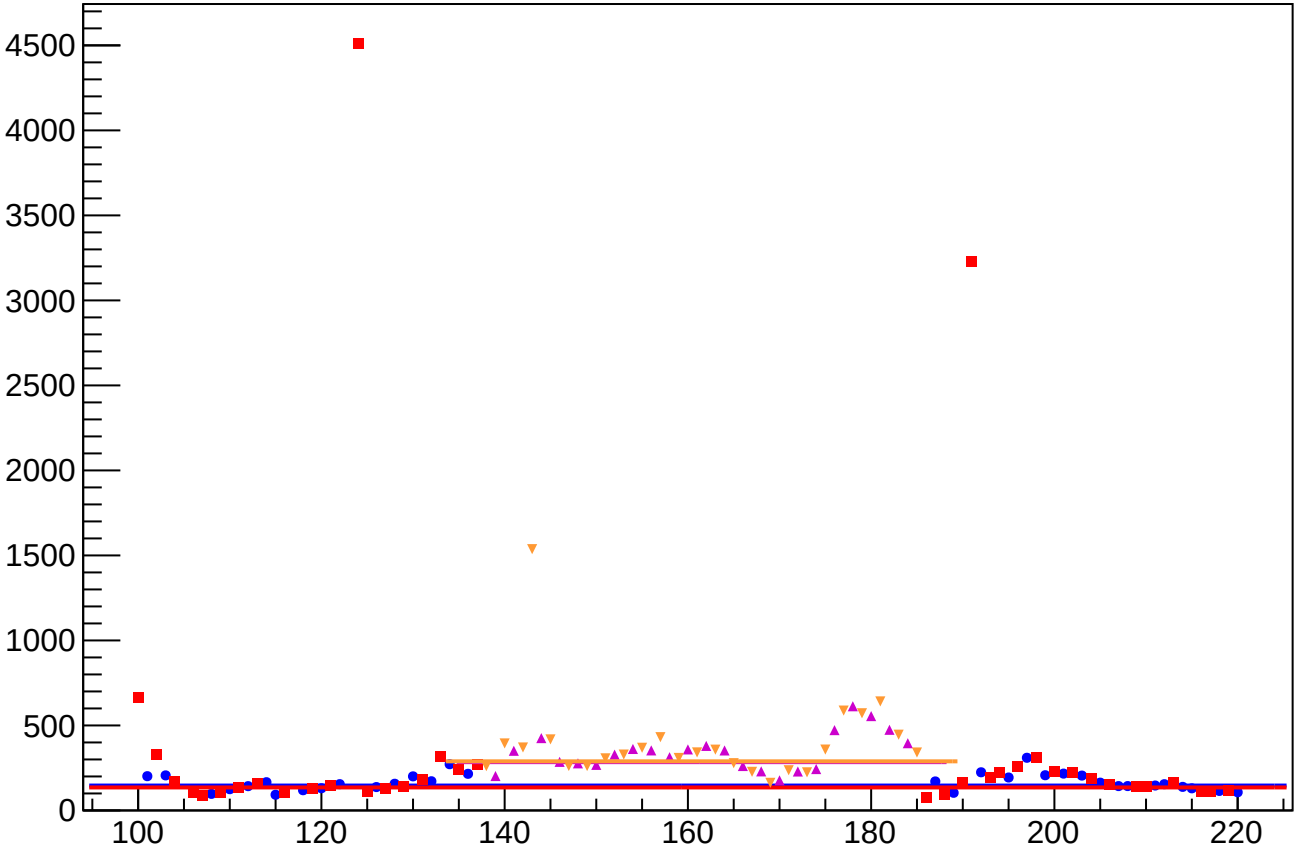
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.034+/-0.030 χ^2/NDF: 64.3/57

All: 0.032+/-0.021 χ^2/NDF: 135.3/117

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 146.450+/-0.024 χ^2/NDF: 2783054.9/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

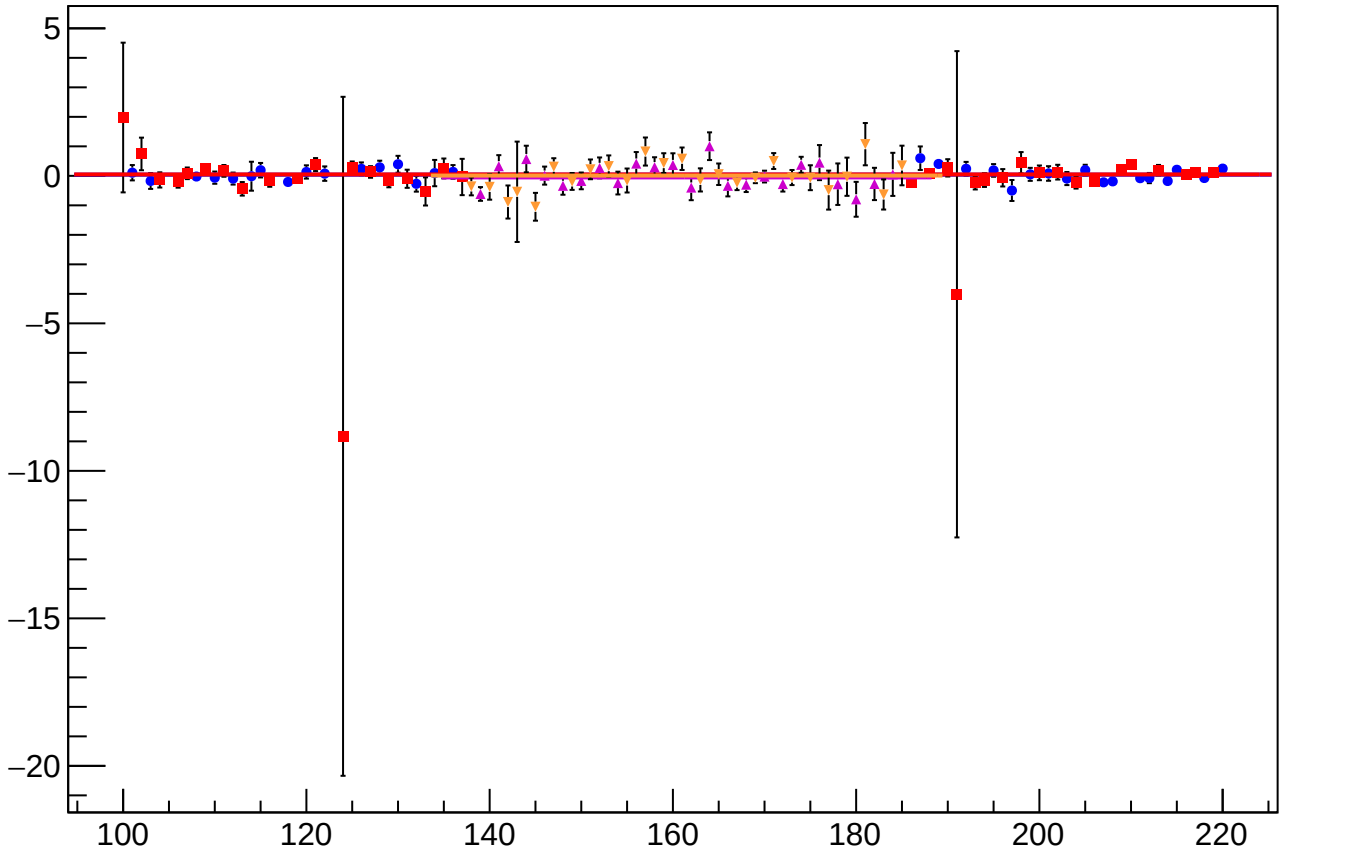
Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 172.659+/-0.022 χ^2/NDF: 13999630.6/57

All: 166.570+/-0.015 χ^2/NDF: 29562502.4/11

- sign 160.971+/-0.021 χ^2/NDF: 15409459.6/59



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

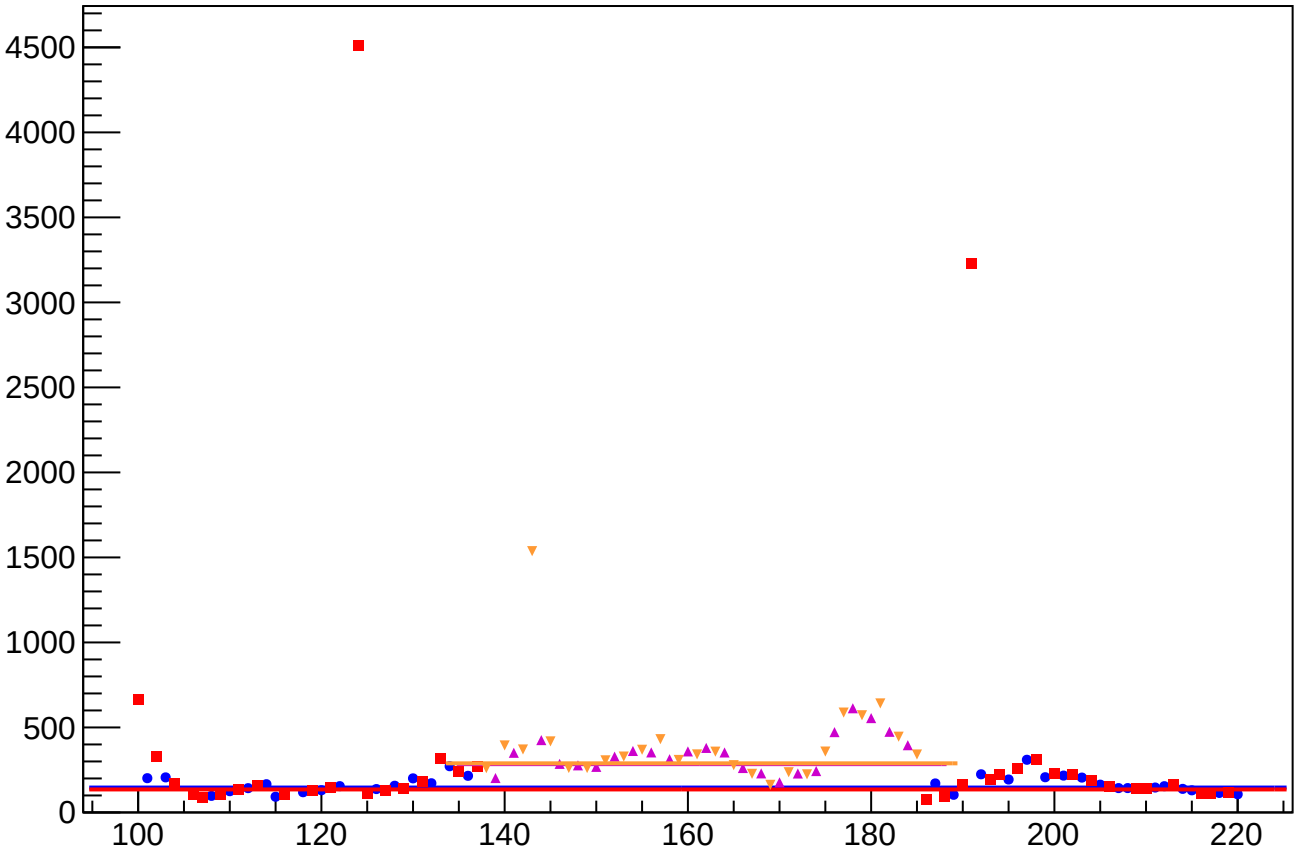
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.034+/-0.030 χ^2/NDF: 64.3/57

All: 0.032+/-0.021 χ^2/NDF: 135.3/117

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59



Right In: 146.450+/-0.024 χ^2/NDF: 2783054.9/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

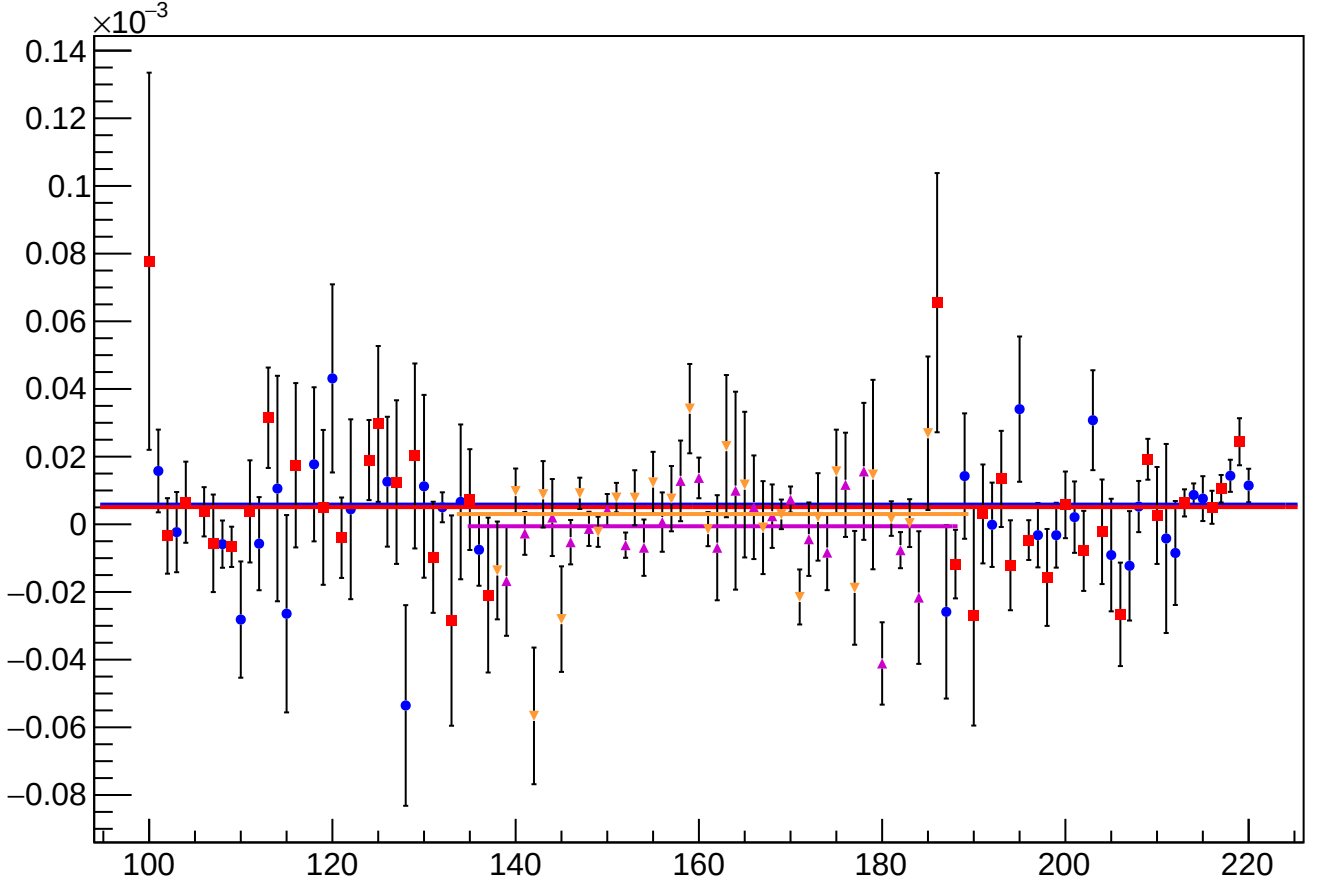
Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 172.659+/-0.022 χ^2/NDF: 13999630.6/57

All: 166.570+/-0.015 χ^2/NDF: 29562502.4/11

- sign 160.971+/-0.021 χ^2/NDF: 15409459.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

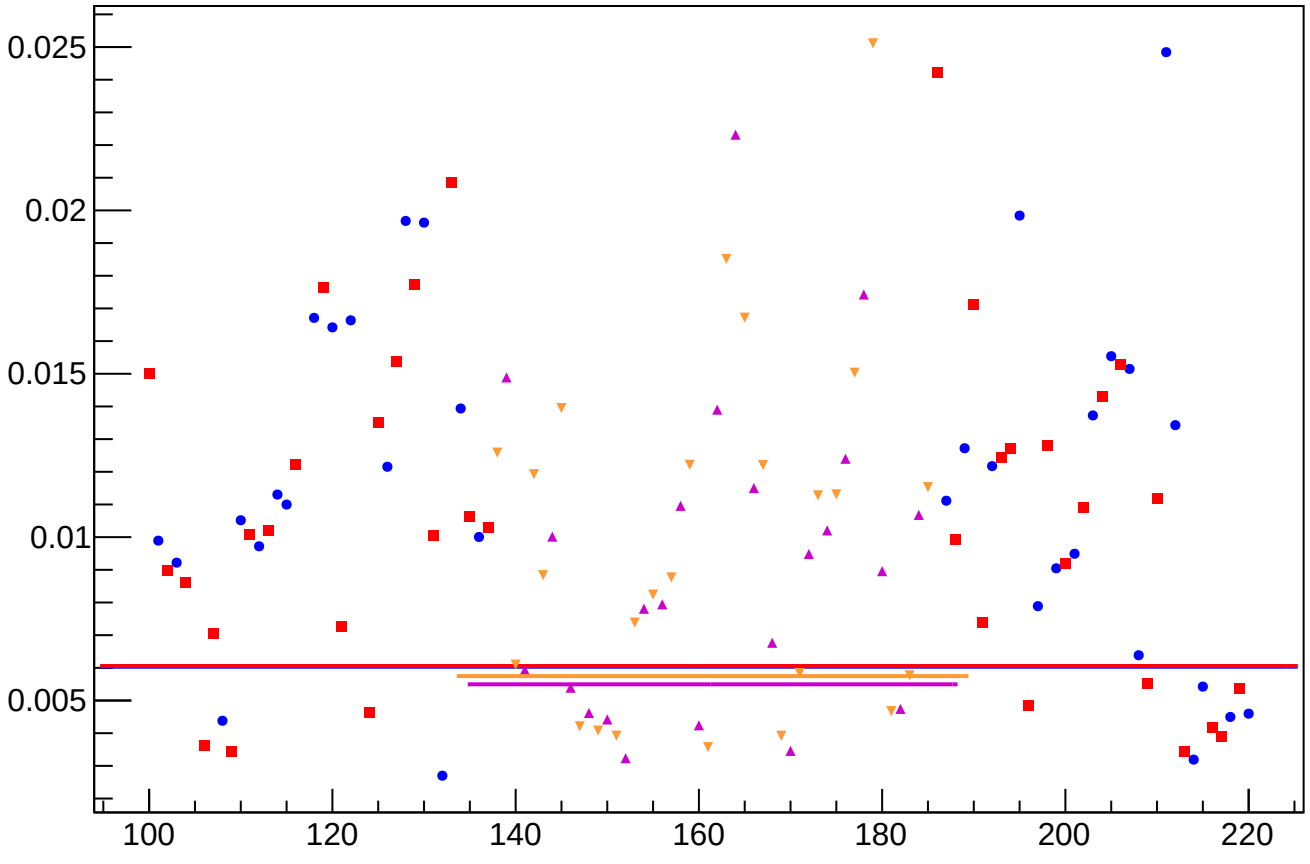
Right Out: 0.000+/-0.000 χ^2/NDF: 51.0/36

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.3/57

All: 0.000+/-0.000 χ^2/NDF: 171.2/117

- sign 0.000+/-0.000 χ^2/NDF: 90.9/59



Right In: 0.006+/-0.000 χ^2/NDF: 11804534.2/32

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

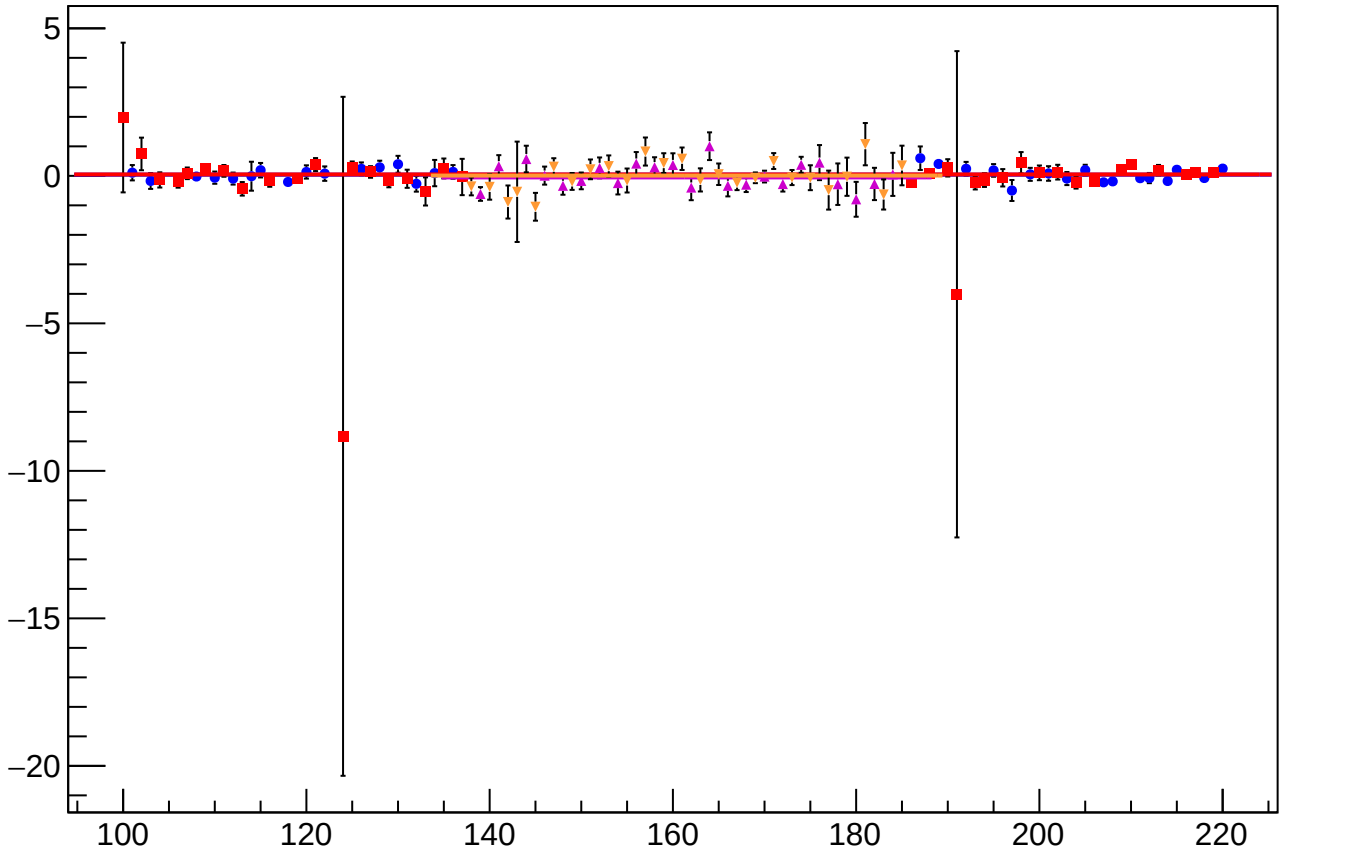
Right Out: 0.006+/-0.000 χ^2/NDF: 9867807.7/36

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 19966987.1/57

All: 0.006+/-0.000 χ^2/NDF: 36916190.5/117

\- sign 0.006+/-0.000 χ^2/NDF: 16938126.0/59



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

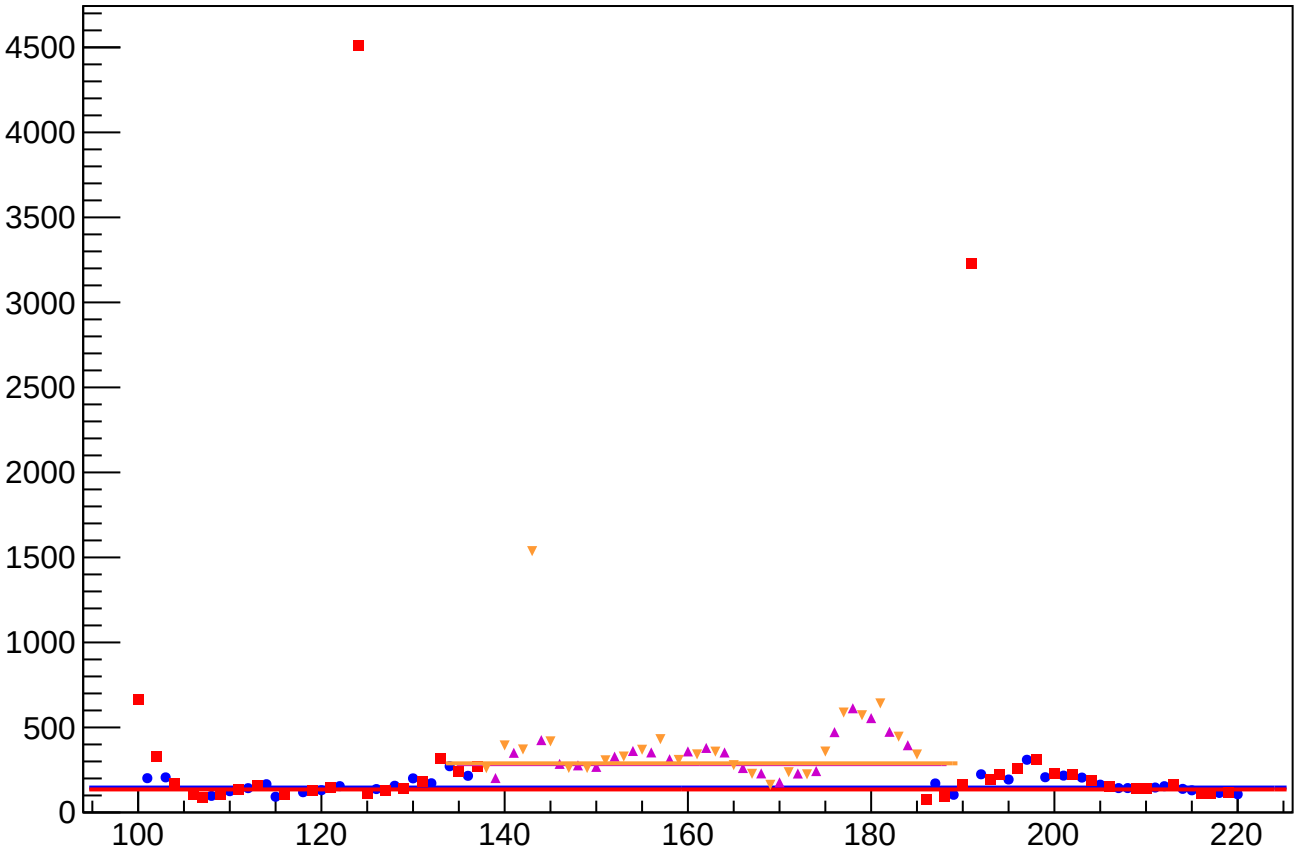
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.034+/-0.030 χ^2/NDF: 64.3/57

All: 0.032+/-0.021 χ^2/NDF: 135.3/117

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59



Right In: 146.450+/-0.024 χ^2/NDF: 2783061.1/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

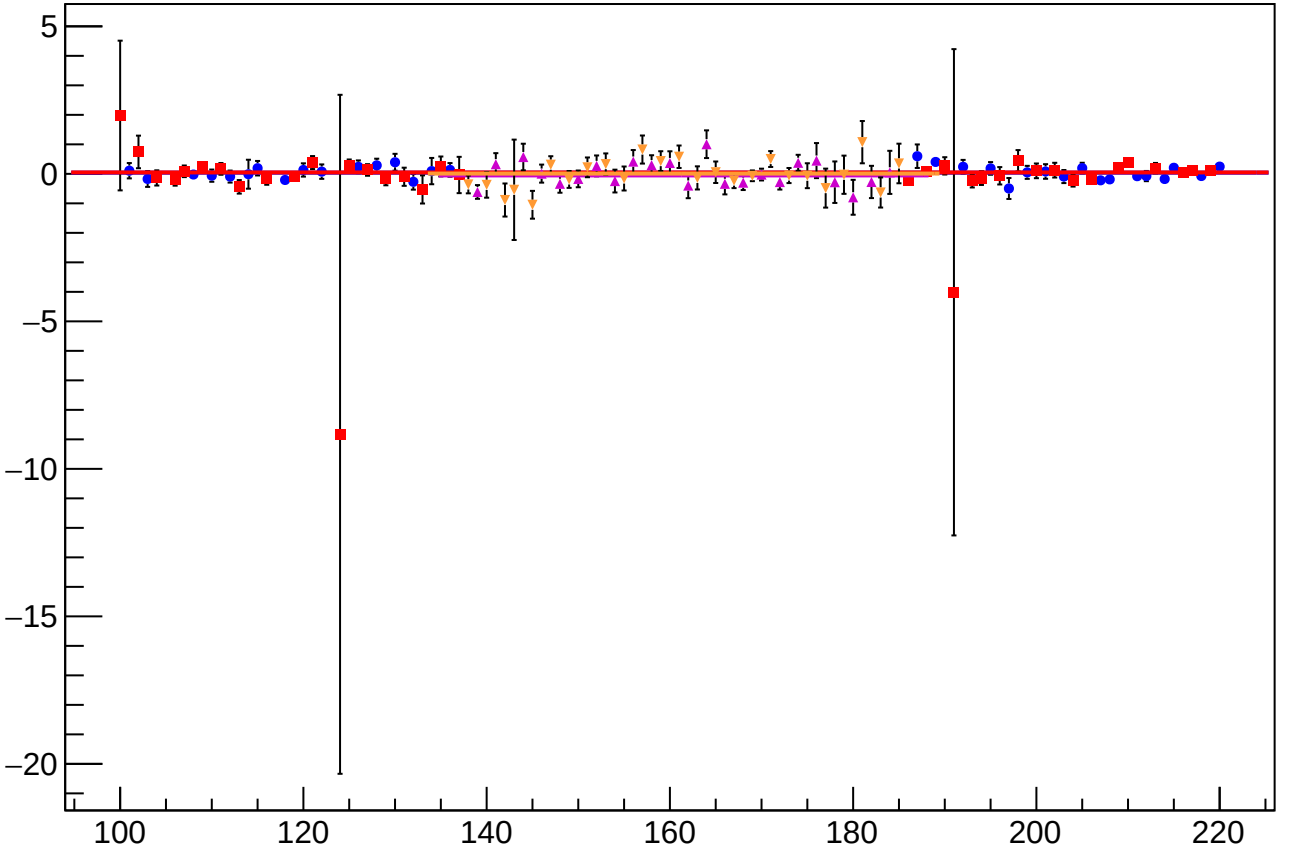
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 172.659+/-0.022 χ^2/NDF: 13999775.9/57

All: 166.571+/-0.015 χ^2/NDF: 29562384.8/11

- sign 160.973+/-0.021 χ^2/NDF: 15409243.8/59

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

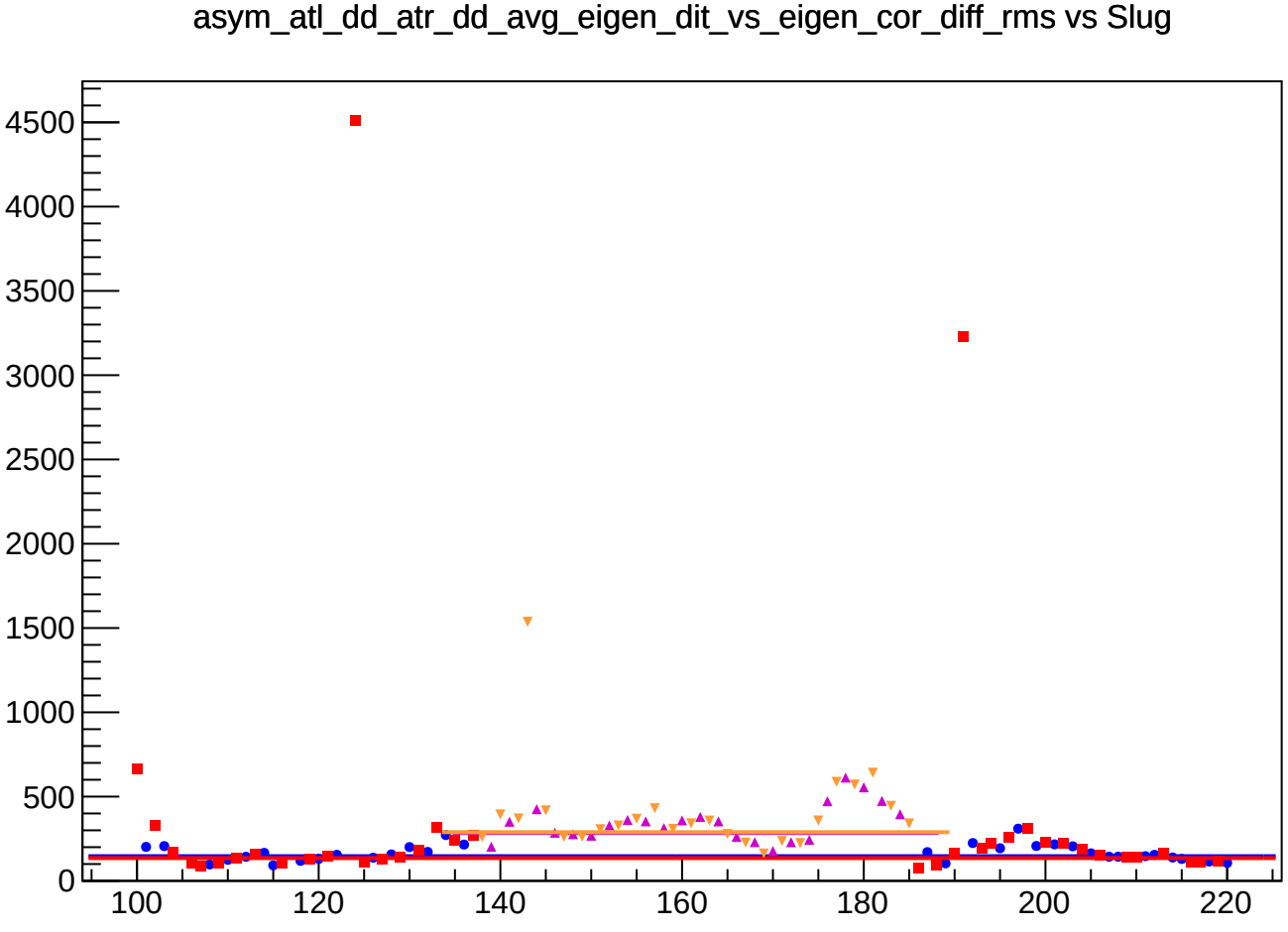
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

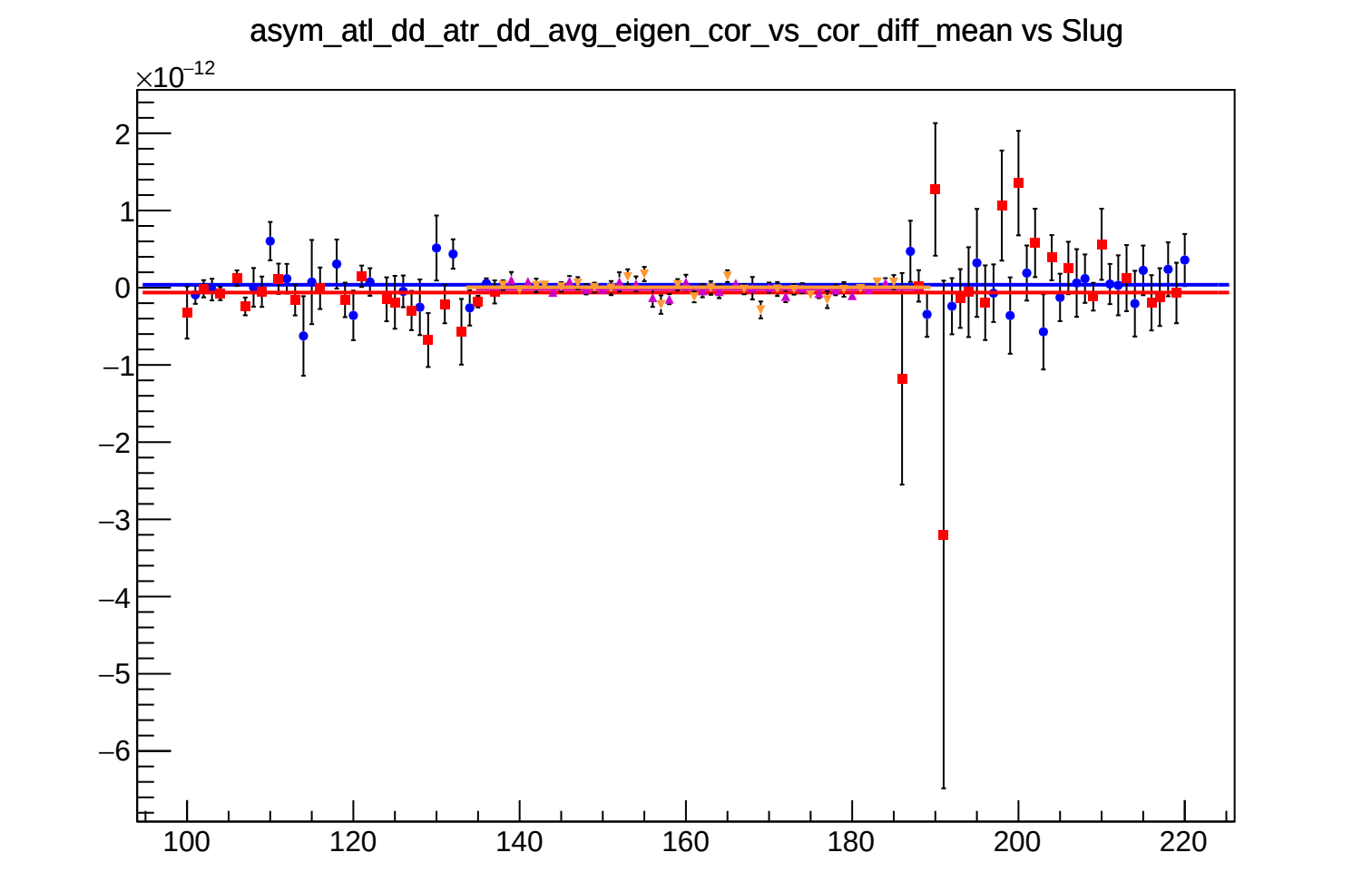
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.034+/-0.030 χ^2/NDF: 64.3/57

All: 0.032+/-0.021 χ^2/NDF: 135.3/117

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 146.450+/-0.024 χ²/NDF: 2783061.1/32
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 135.357+/-0.023 χ²/NDF: 4934505.2/36
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 172.659+/-0.022 χ²/NDF: 13999775.9/57
All: 166.571+/-0.015 χ²/NDF: 29562384.8/11
- sign 160.973+/-0.021 χ²/NDF: 15409243.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

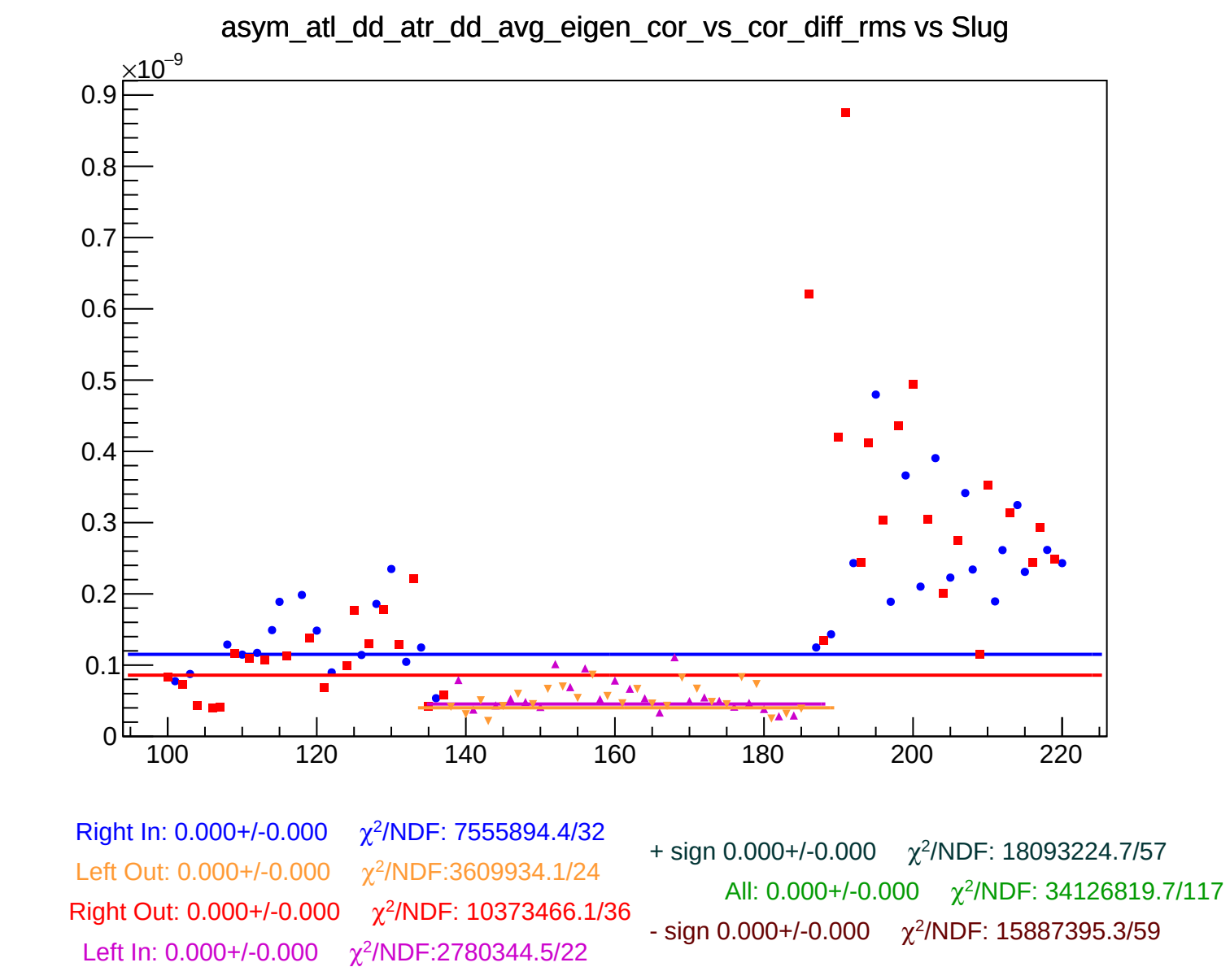
Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/36

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

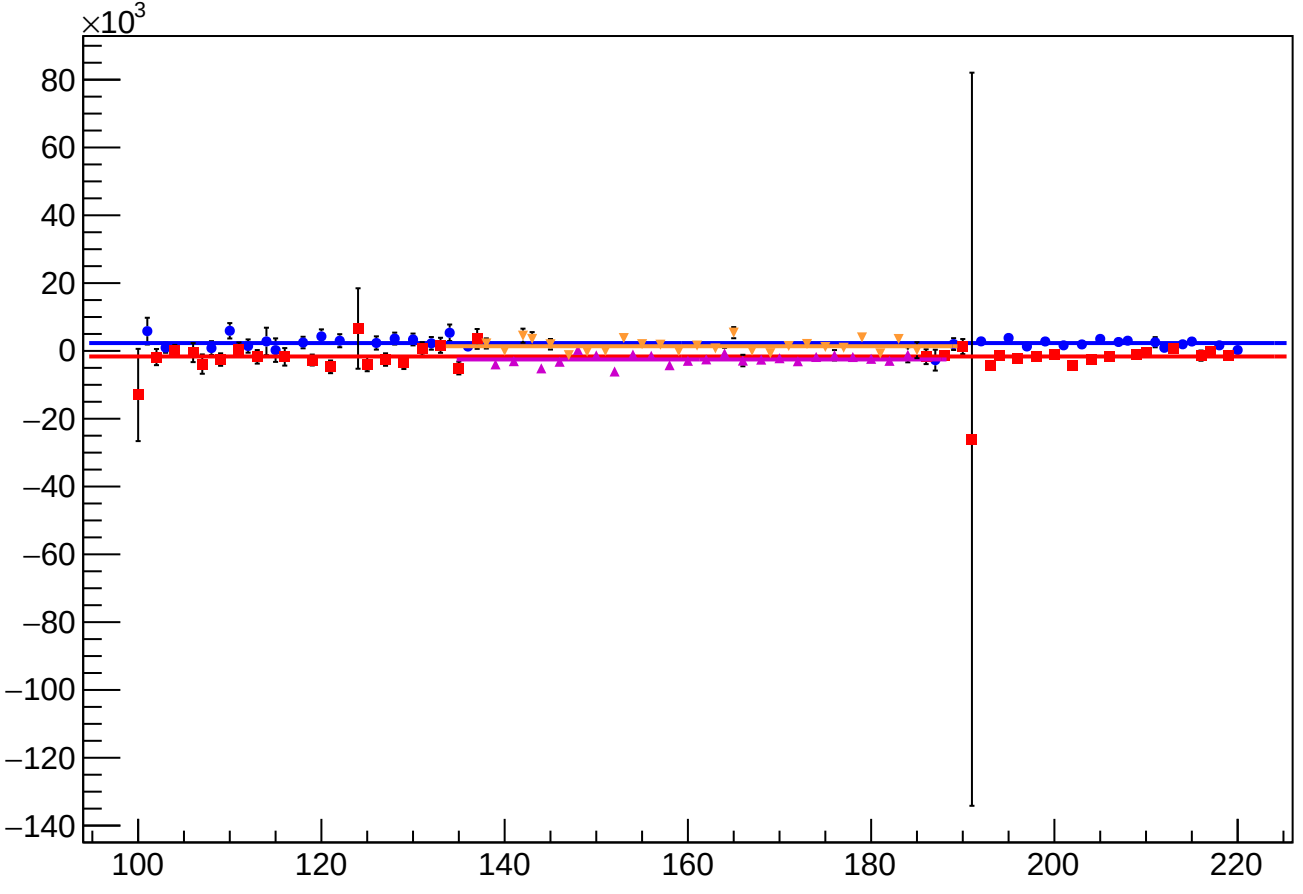
+ sign 0.000+/-0.000 χ^2/NDF: 62.2/57

All: -0.000+/-0.000 χ^2/NDF: 128.0/117

- sign -0.000+/-0.000 χ^2/NDF: 62.6/59


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7555894.4/32
Left Out: 0.000+/-0.000 χ²/NDF:3609934.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 10373466.1/36
Left In: 0.000+/-0.000 χ²/NDF:2780344.5/22
+ sign 0.000+/-0.000 χ²/NDF: 18093224.7/57
All: 0.000+/-0.000 χ²/NDF: 34126819.7/117
- sign 0.000+/-0.000 χ²/NDF: 15887395.3/59

reg_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2313.647+/-284.790 χ^2/NDF: 19.0/32

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1641.030+/-286.303 χ^2/NDF: 34.4/36

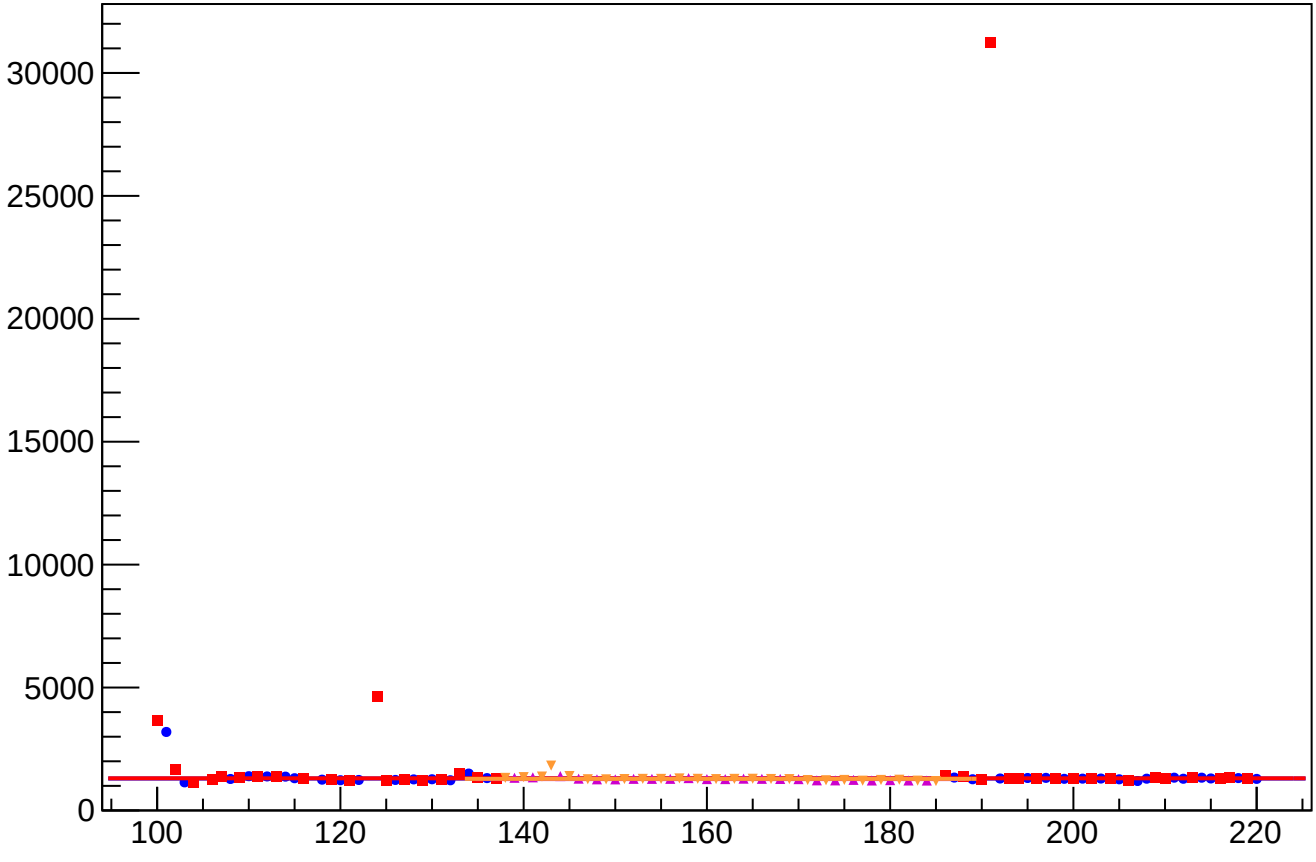
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1861.313+/-204.142 χ^2/NDF: 57.0/57

All: -78.149+/-145.173 χ^2/NDF: 301.1/117

- sign -2062.481+/-206.490 χ^2/NDF: 61.4/59

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1298.193+/-0.201 χ^2/NDF: 535449.6/32

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

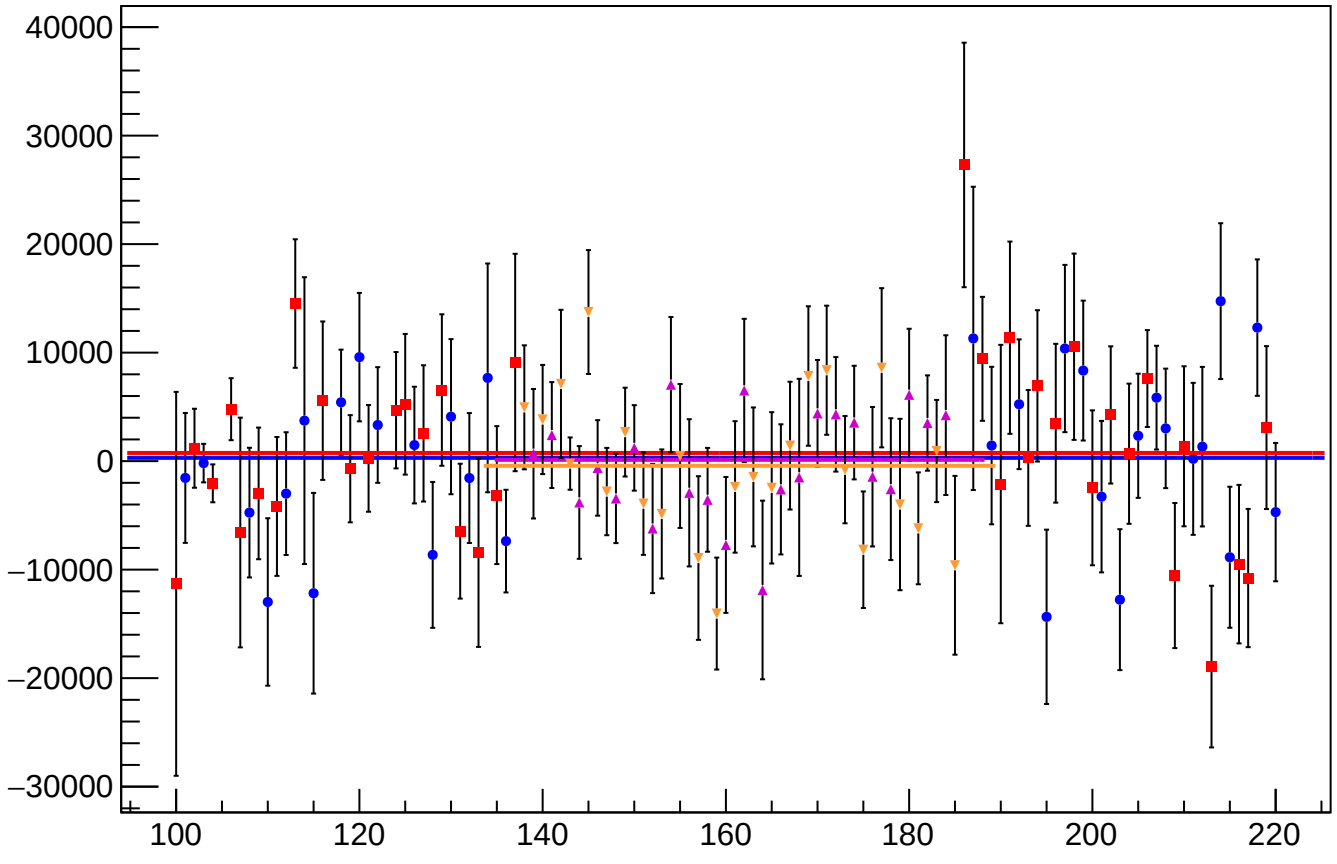
Right Out: 1307.738+/-0.202 χ^2/NDF: 507123.4/36

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.095+/-0.144 χ^2/NDF: 728363.4/57

All: 1292.293+/-0.103 χ^2/NDF: 1288737.3/11

- sign 1292.495+/-0.146 χ^2/NDF: 560370.1/59



Right In: 304.973+/-955.820 χ^2/NDF: 39.5/32

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

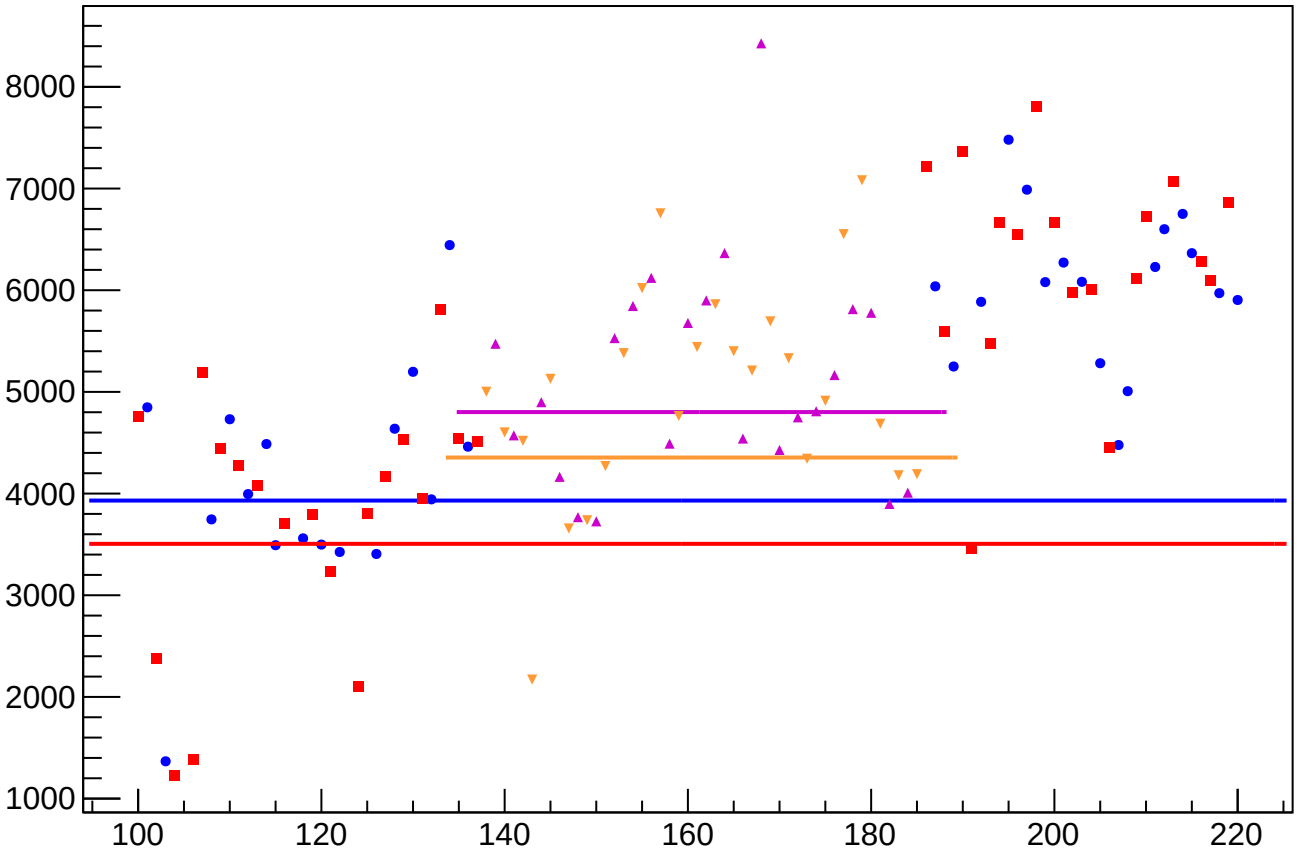
Right Out: 753.935+/-886.655 χ^2/NDF: 47.4/36

Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

\+ sign -31.583+/-703.139 χ^2/NDF: 69.6/57

All: 243.039+/-496.425 χ^2/NDF: 131.1/117

\- sign 515.968+/-700.969 χ^2/NDF: 61.2/59



Right In: 3931.287+/-0.676 χ^2/NDF: 7914676.5/32

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

Right Out: 3505.594+/-0.627 χ^2/NDF: 10670159.0/36

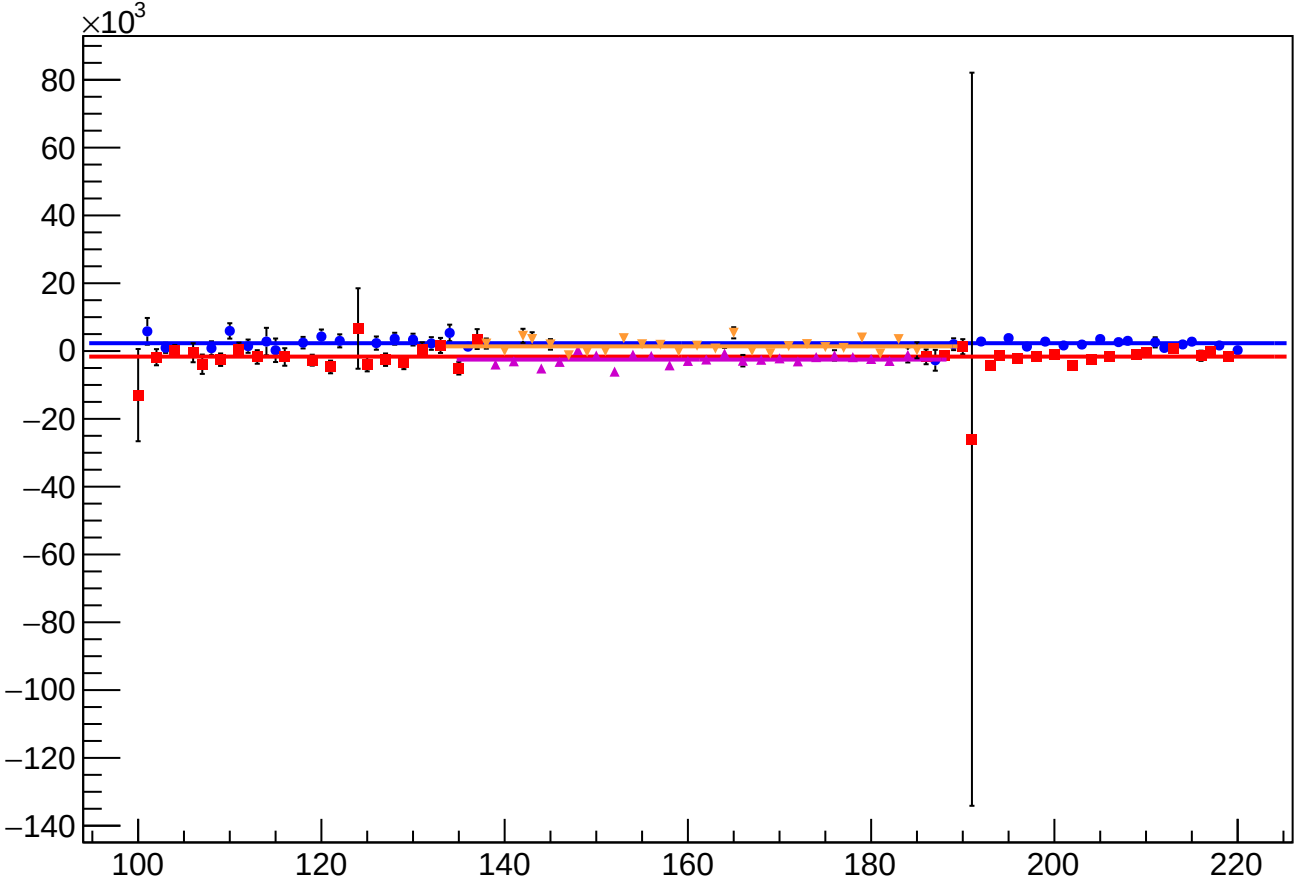
Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 4125.483+/-0.497 χ^2/NDF: 11166044.2/57

All: 4058.320+/-0.351 χ^2/NDF: 24706735.6/1

- sign 3991.571+/-0.496 χ^2/NDF: 13504307.9/59

cor_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2313.538+/-284.790 χ^2/NDF: 18.9/32

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1640.971+/-286.303 χ^2/NDF: 34.4/36

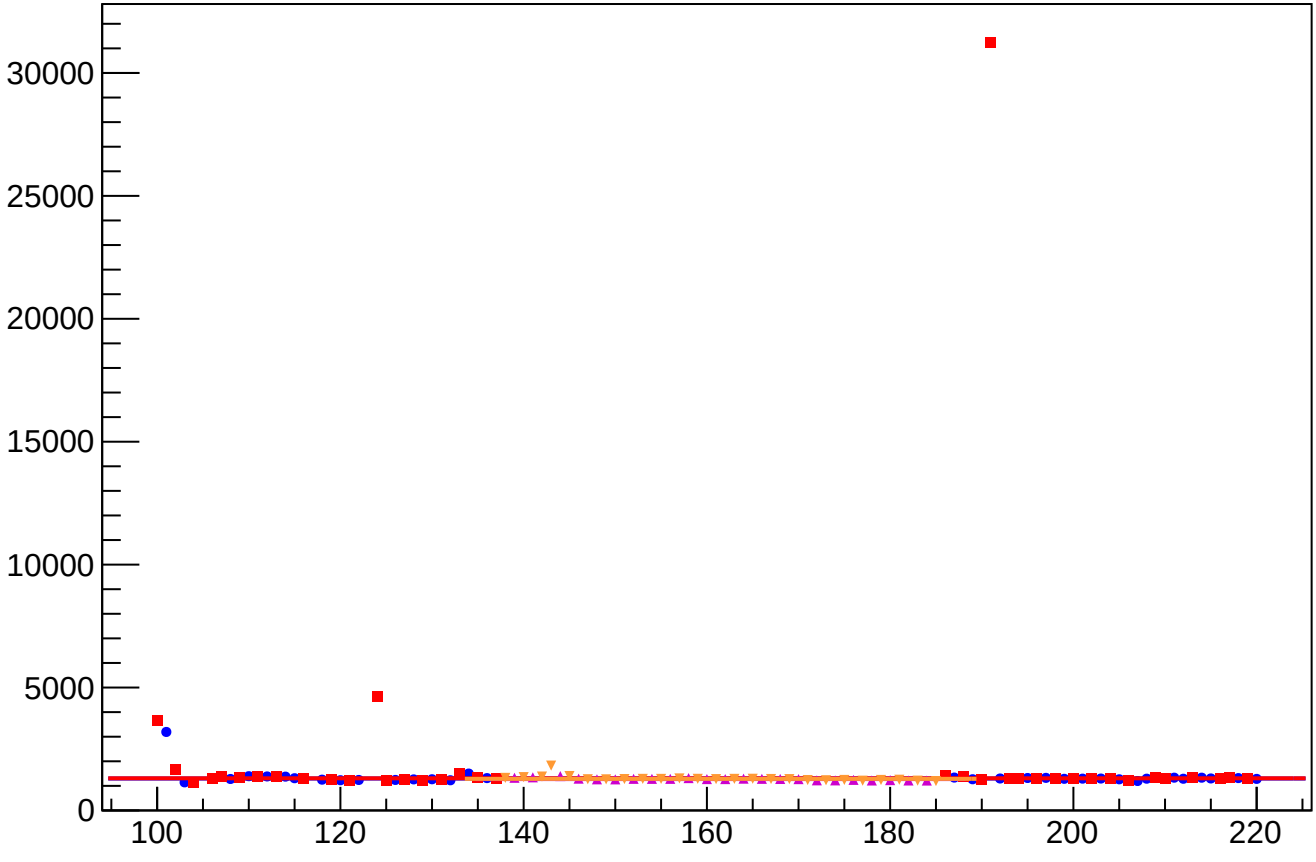
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1861.225+/-204.142 χ^2/NDF: 57.0/57

All: -78.179+/-145.173 χ^2/NDF: 301.1/117

- sign -2062.451+/-206.490 χ^2/NDF: 61.4/59

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1298.193+/-0.201 χ^2/NDF: 535451.1/32

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

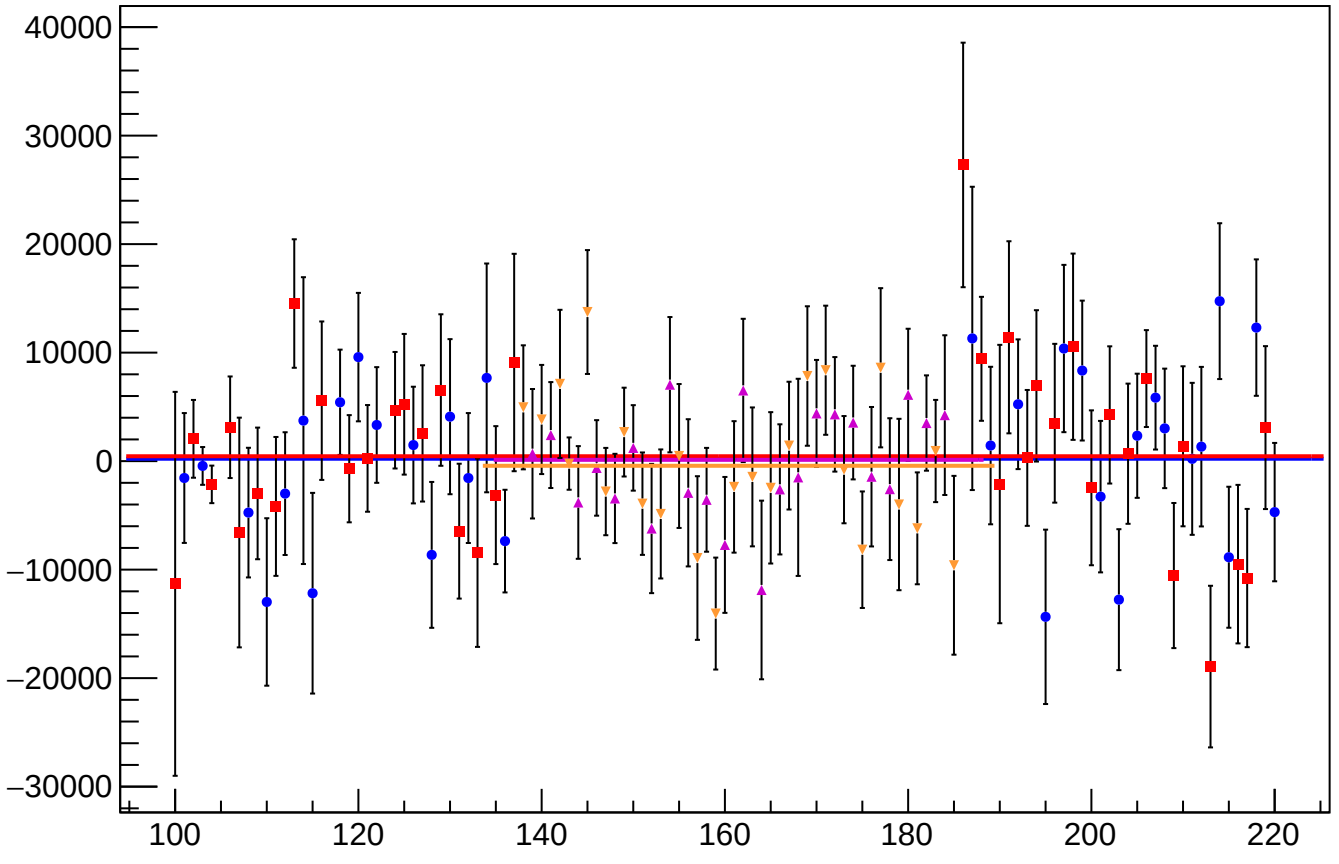
Right Out: 1308.113+/-0.202 χ^2/NDF: 506789.3/36

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.095+/-0.144 χ^2/NDF: 728364.8/57

All: 1292.387+/-0.103 χ^2/NDF: 1288687.0/11

- sign 1292.686+/-0.146 χ^2/NDF: 560313.9/59



Right In: 221.698+/-950.429 χ^2/NDF: 39.6/32

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

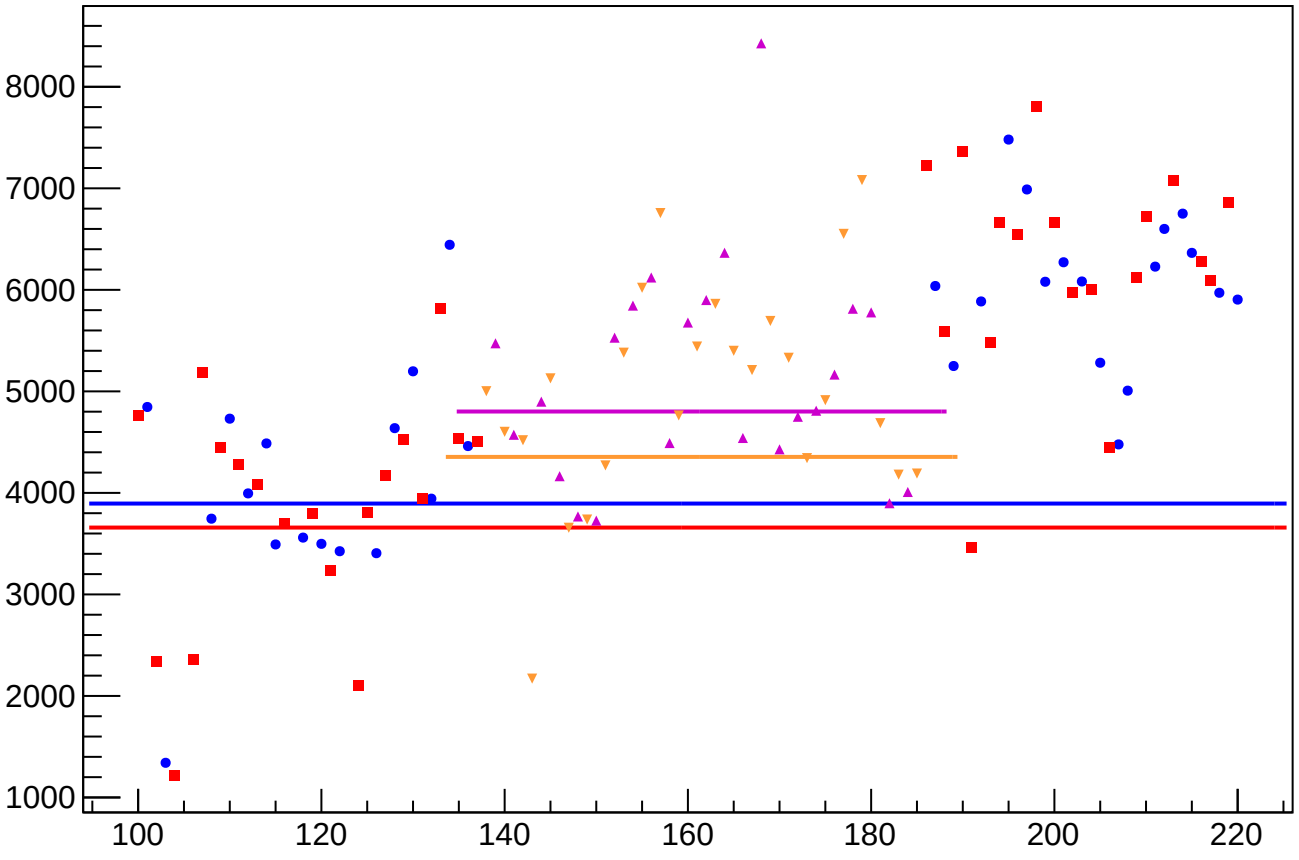
Right Out: 449.292+/-911.556 χ^2/NDF: 45.9/36

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

\+ sign -74.821+/-700.984 χ^2/NDF: 69.7/57

All: 119.821+/-499.892 χ^2/NDF: 129.4/117

\- sign 321.239+/-713.080 χ^2/NDF: 59.6/59



Right In: 3894.934+/-0.672 χ^2/NDF: 8160984.5/32

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

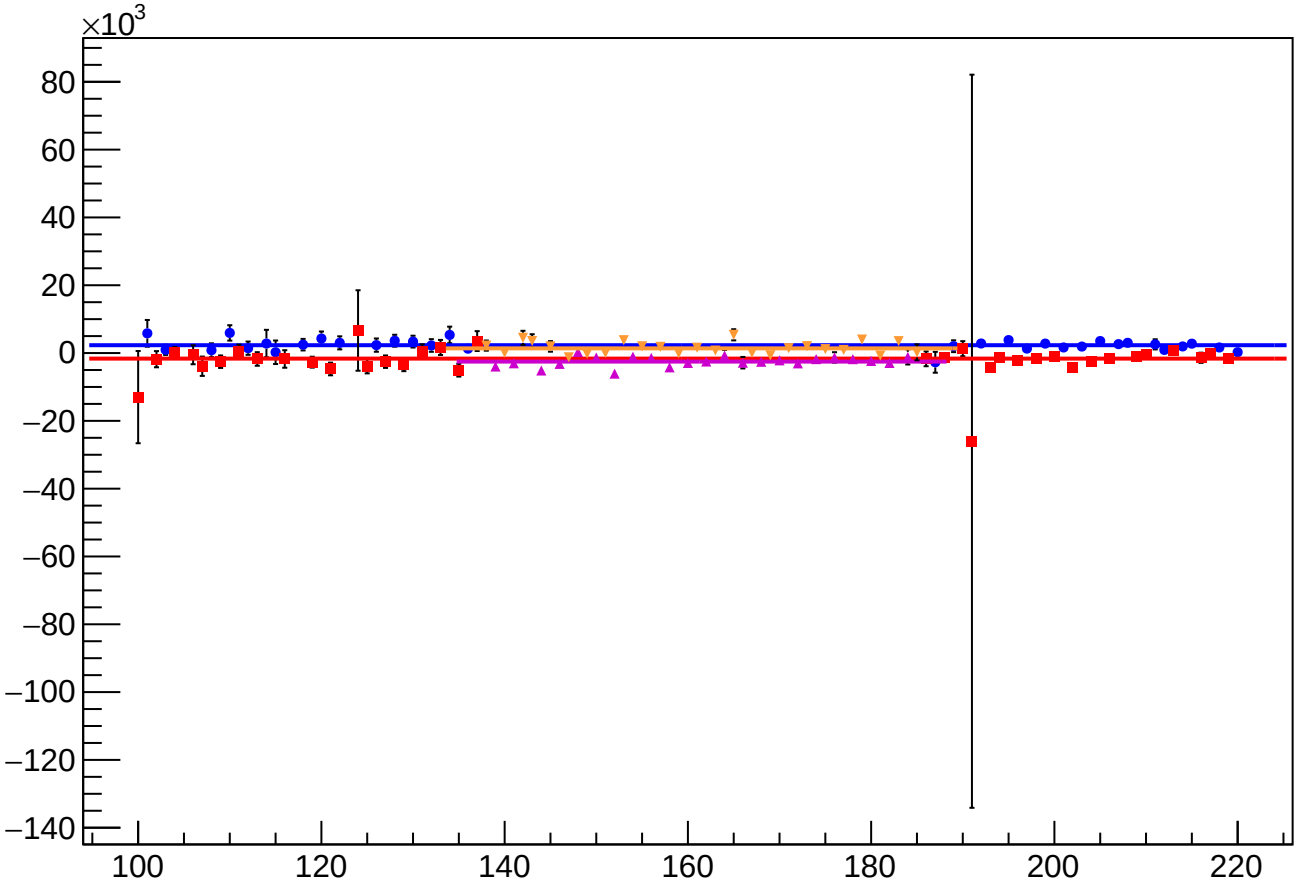
Right Out: 3658.517+/-0.645 χ^2/NDF: 9751432.2/36

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 4104.514+/-0.496 χ^2/NDF: 11445768.0/57

All: 4103.322+/-0.353 χ^2/NDF: 23649482.1/1

- sign 4102.088+/-0.504 χ^2/NDF: 12203702.4/59



Right In: 2313.538+/-284.790 χ^2/NDF: 18.9/32

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1640.971+/-286.303 χ^2/NDF: 34.4/36

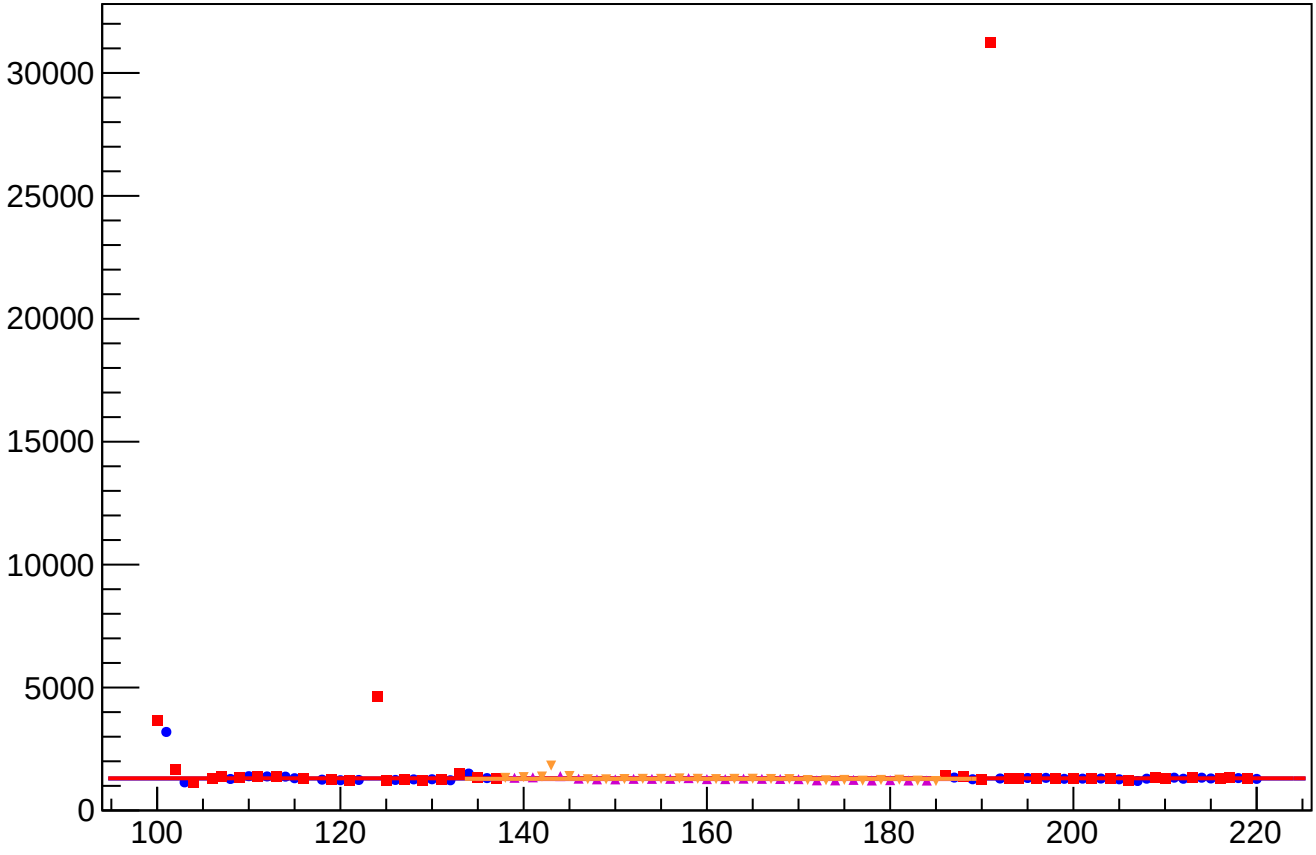
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1861.225+/-204.142 χ^2/NDF: 57.0/57

All: -78.179+/-145.173 χ^2/NDF: 301.1/117

- sign -2062.451+/-206.490 χ^2/NDF: 61.4/59

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1298.193+/-0.201 χ^2/NDF: 535451.1/32

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

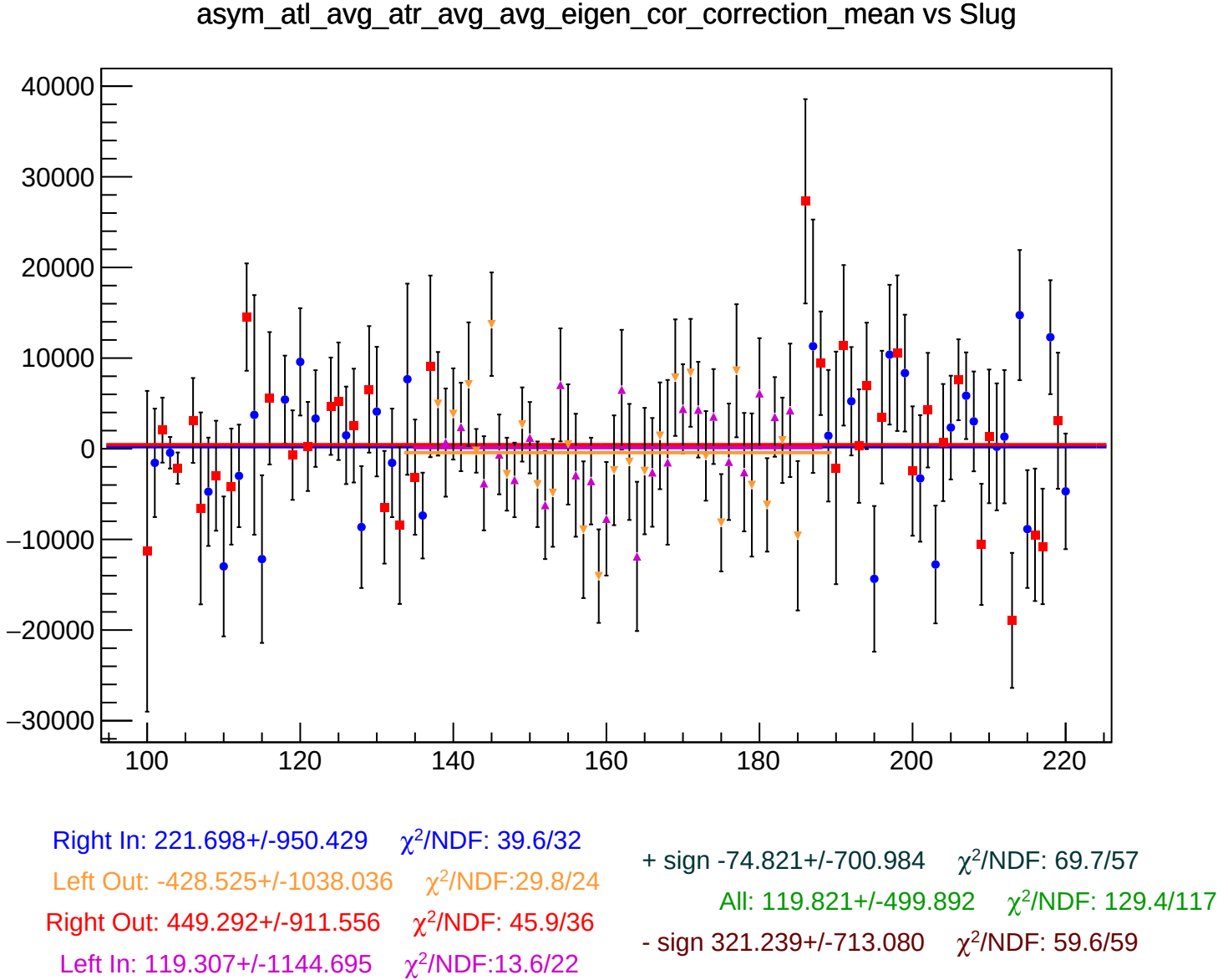
Right Out: 1308.113+/-0.202 χ^2/NDF: 506789.3/36

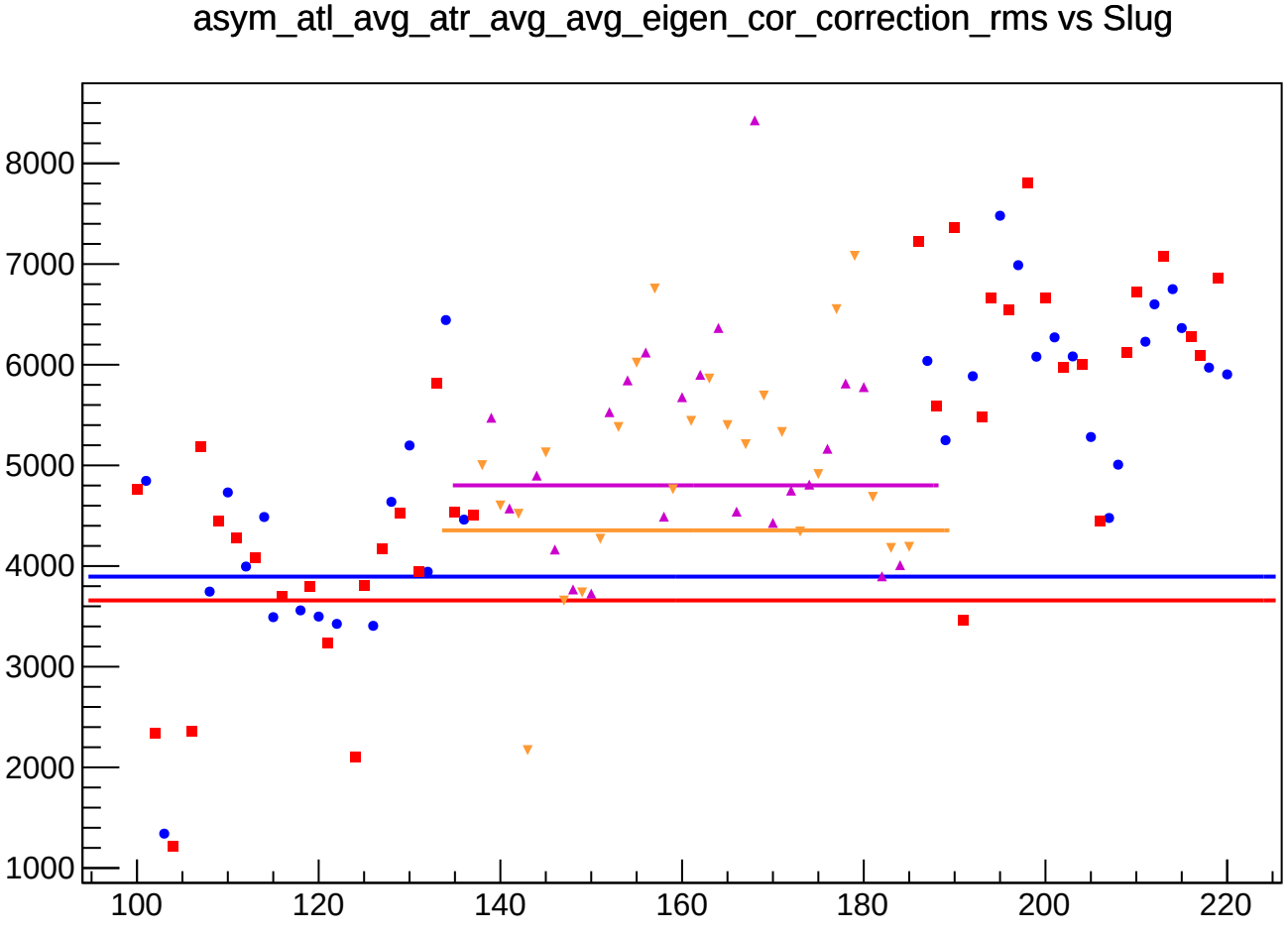
Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.095+/-0.144 χ^2/NDF: 728364.8/57

All: 1292.387+/-0.103 χ^2/NDF: 1288687.0/11

- sign 1292.686+/-0.146 χ^2/NDF: 560313.9/59


asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 221.698+/-950.429 χ²/NDF: 39.6/32
Left Out: -428.525+/-1038.036 χ²/NDF:29.8/24
Right Out: 449.292+/-911.556 χ²/NDF: 45.9/36
Left In: 119.307+/-1144.695 χ²/NDF:13.6/22
+ sign -74.821+/-700.984 χ²/NDF: 69.7/57
All: 119.821+/-499.892 χ²/NDF: 129.4/117
- sign 321.239+/-713.080 χ²/NDF: 59.6/59



Right In: 3894.934+/-0.672 χ^2/NDF: 8160984.5/32

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3658.517+/-0.645 χ^2/NDF: 9751432.2/36

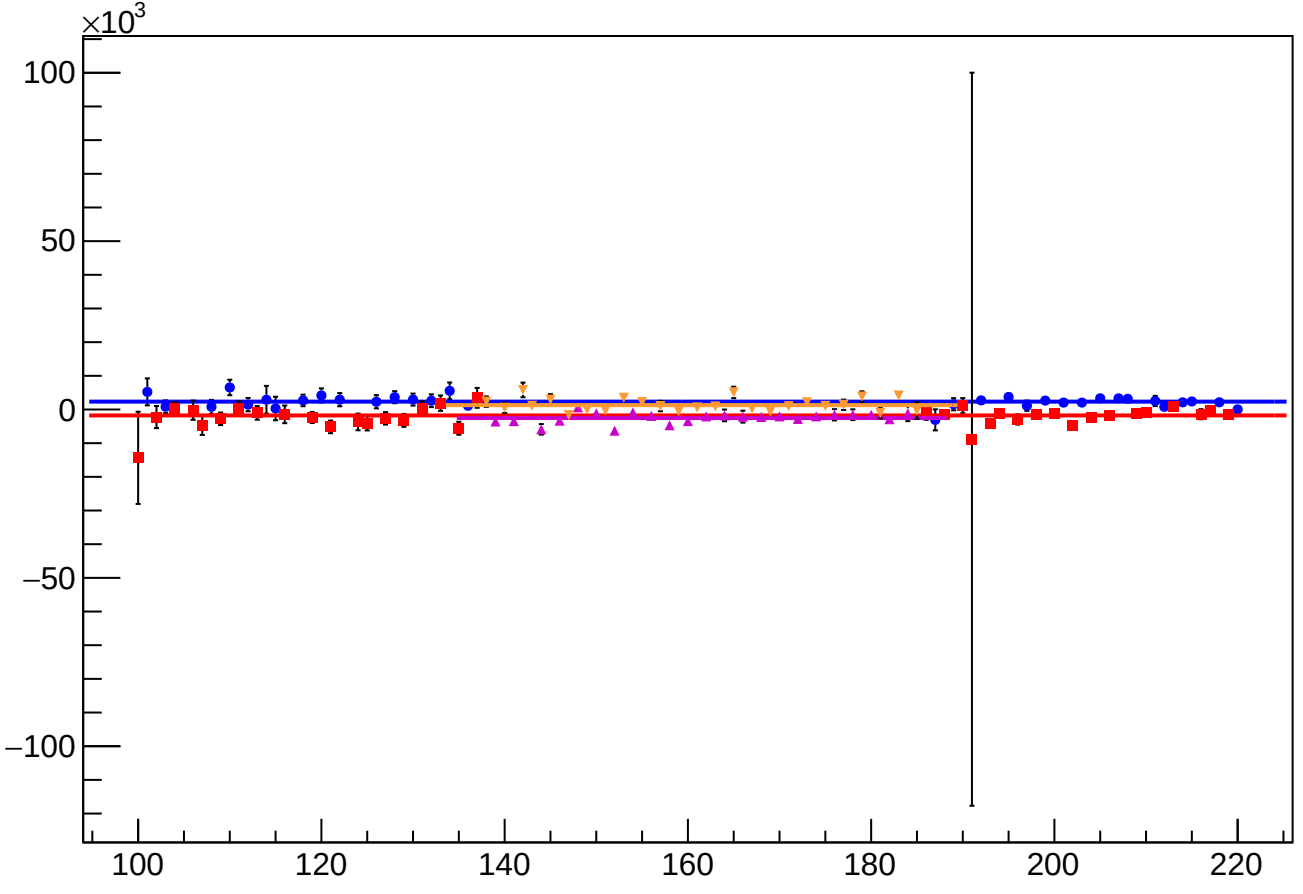
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

+ sign 4104.514+/-0.496 χ^2/NDF: 11445768.0/57

All: 4103.322+/-0.353 χ^2/NDF: 23649482.1/1

- sign 4102.088+/-0.504 χ^2/NDF: 12203702.4/59

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2340.747+/-291.338 χ^2/NDF: 19.9/32

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -1763.057+/-291.827 χ^2/NDF: 36.1/36

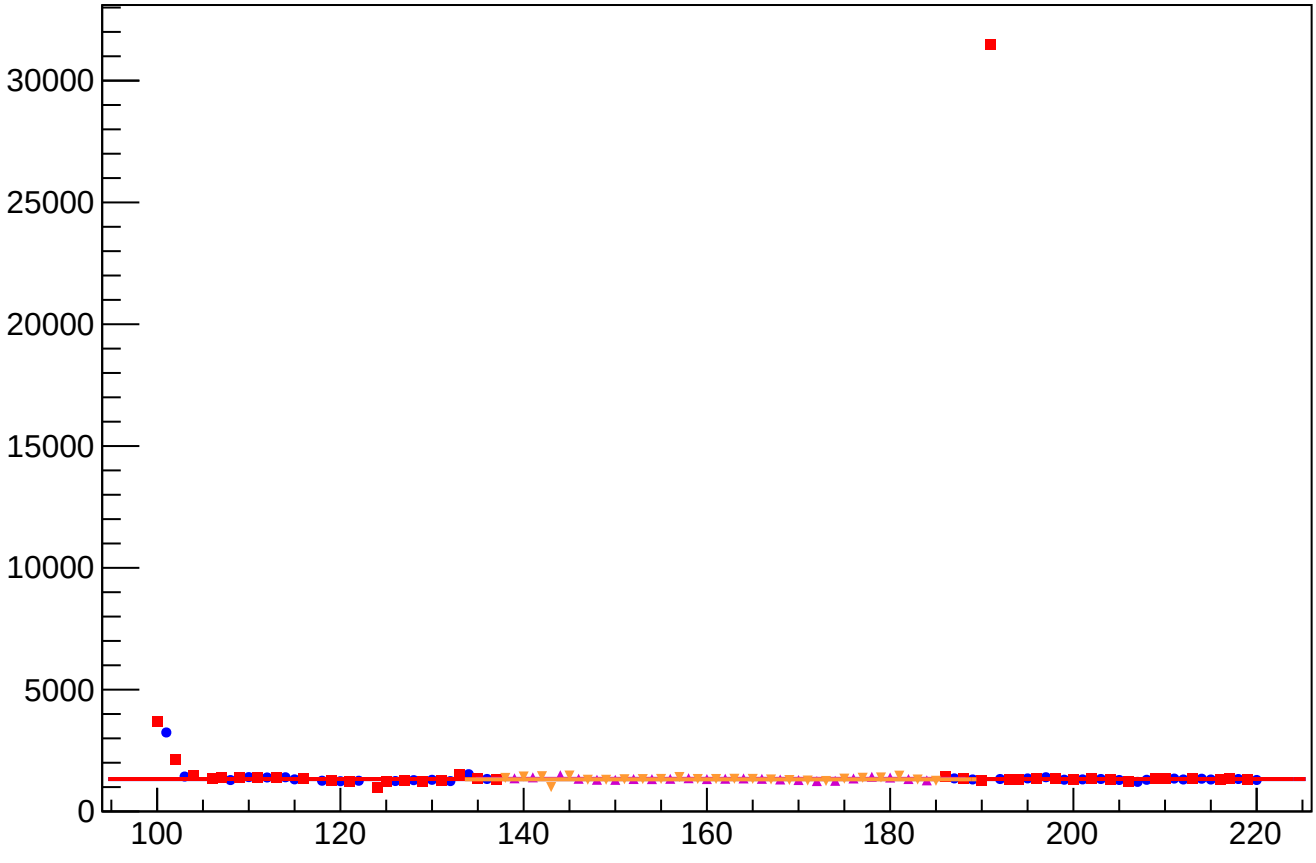
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1828.985+/-209.181 χ^2/NDF: 59.7/57

All: -106.331+/-149.386 χ^2/NDF: 298.7/117

- sign -2120.685+/-213.410 χ^2/NDF: 64.3/59

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1327.867+/-0.206 χ^2/NDF: 524781.3/32

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

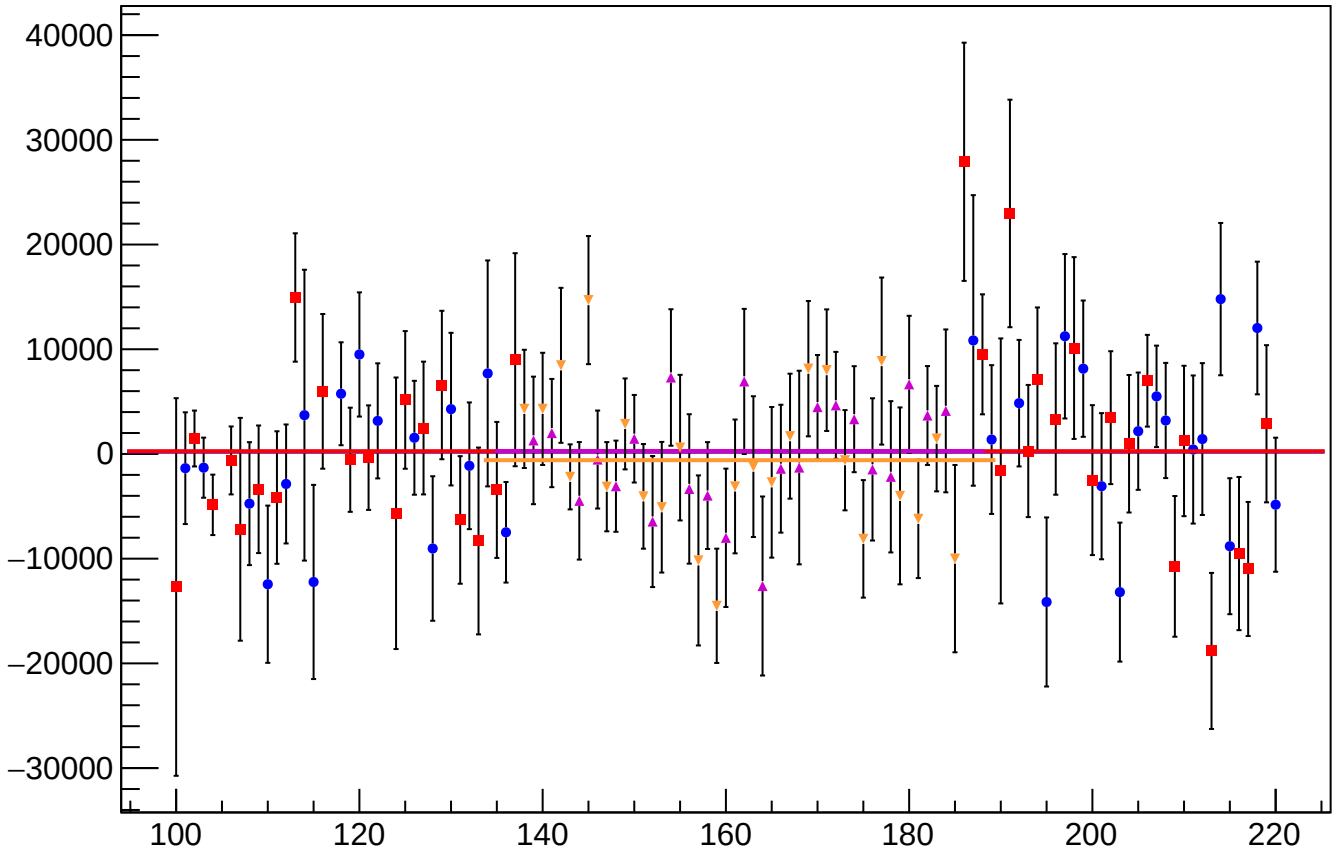
Right Out: 1331.739+/-0.206 χ^2/NDF: 450004.0/36

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1323.171+/-0.148 χ^2/NDF: 774401.6/57

All: 1328.934+/-0.106 χ^2/NDF: 1282266.5/11

- sign 1334.931+/-0.151 χ^2/NDF: 504767.1/59



Right In: 220.464+/-1056.331 χ^2/NDF: 39.2/32

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

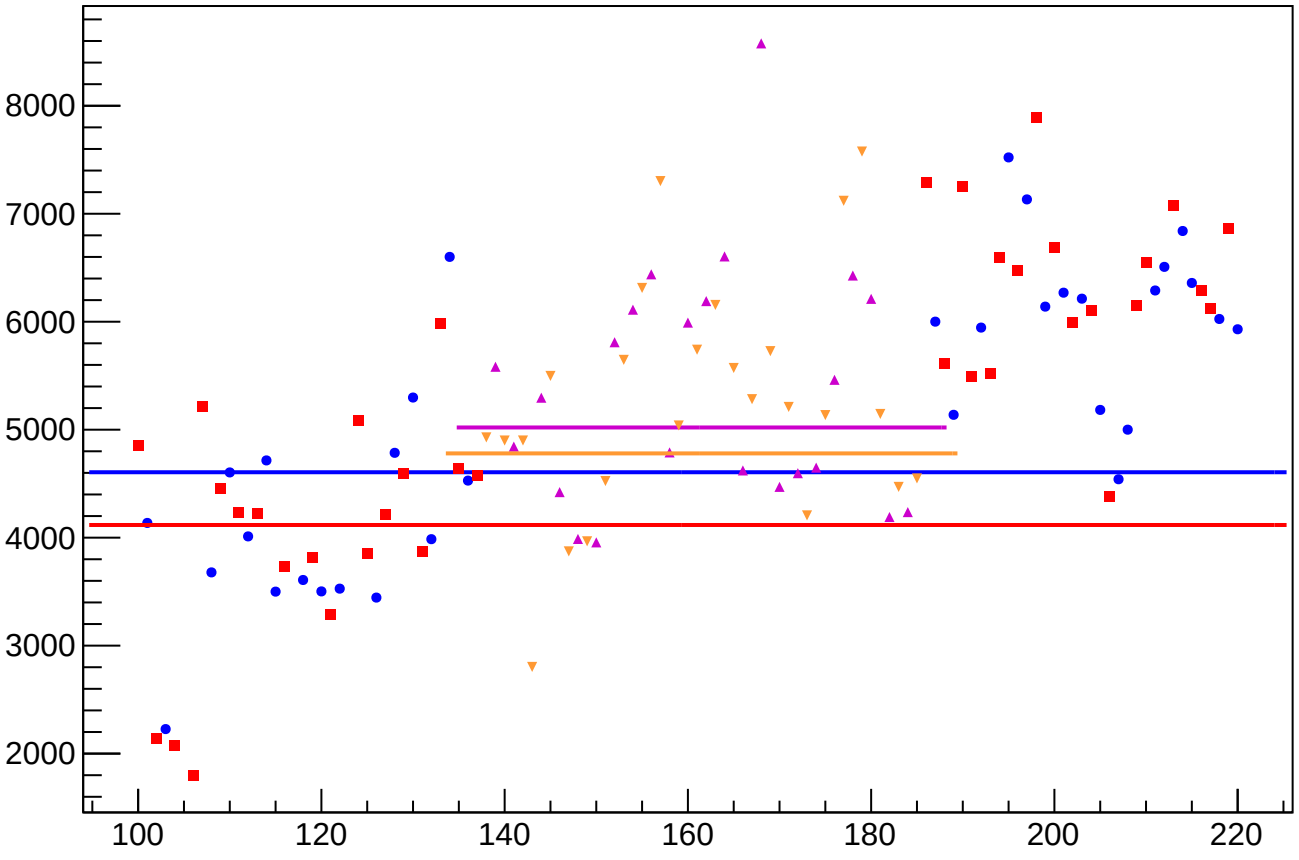
Right Out: 252.811+/-969.958 χ^2/NDF: 48.9/36

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -162.564+/-769.199 χ^2/NDF: 69.0/57

All: 53.458+/-538.288 χ^2/NDF: 131.4/117

- sign 260.781+/-753.551 χ^2/NDF: 62.3/59



Right In: 4605.904+/-0.747 χ^2/NDF: 3662523.2/32

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

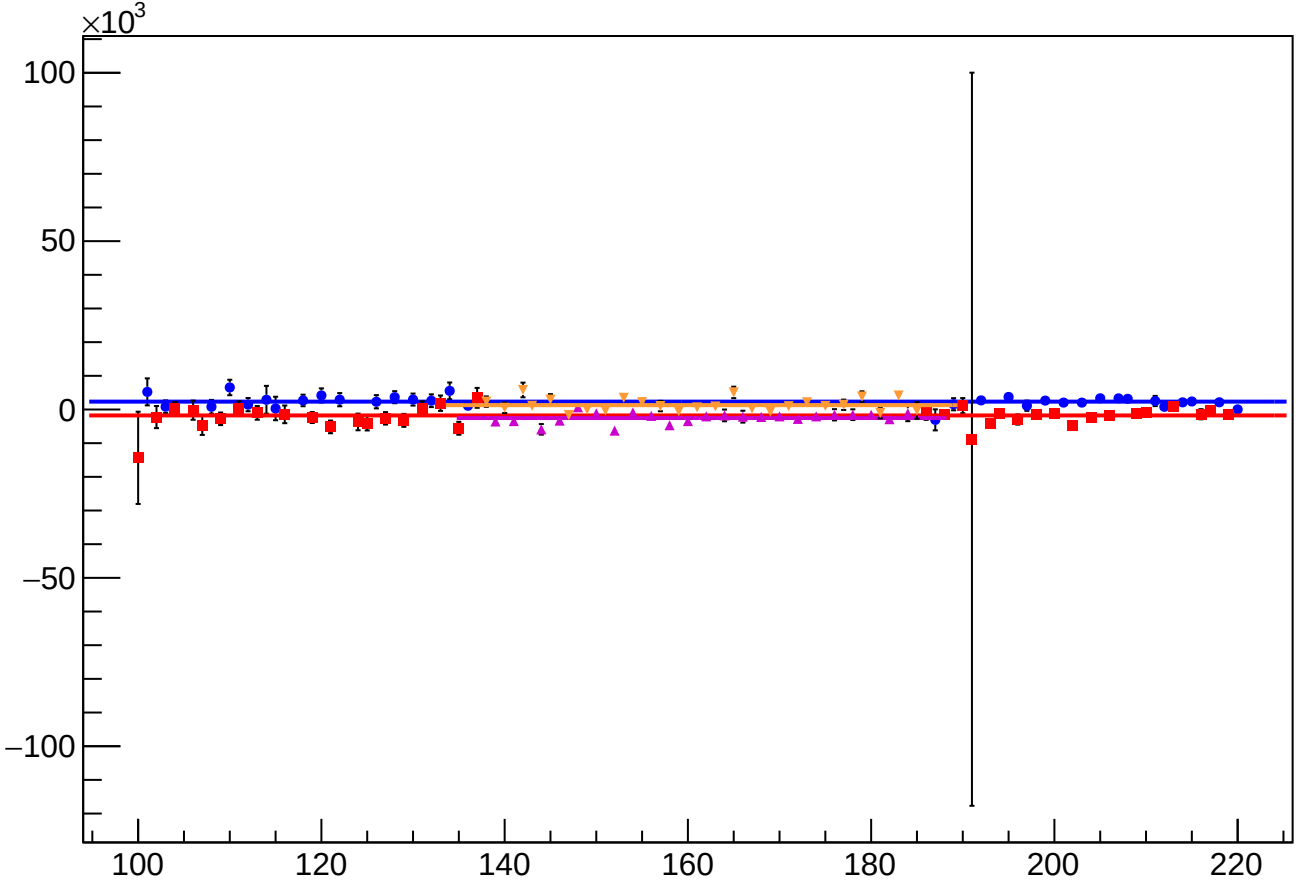
Right Out: 4117.376+/-0.686 χ^2/NDF: 6739303.3/36

Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4687.872+/-0.544 χ^2/NDF: 5694404.5/57

All: 4579.471+/-0.381 χ^2/NDF: 14424114.4/1

- sign 4475.436+/-0.533 χ^2/NDF: 8651867.8/59



Right In: 2340.743+/-291.338 χ^2/NDF: 19.9/32

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -1763.055+/-291.827 χ^2/NDF: 36.1/36

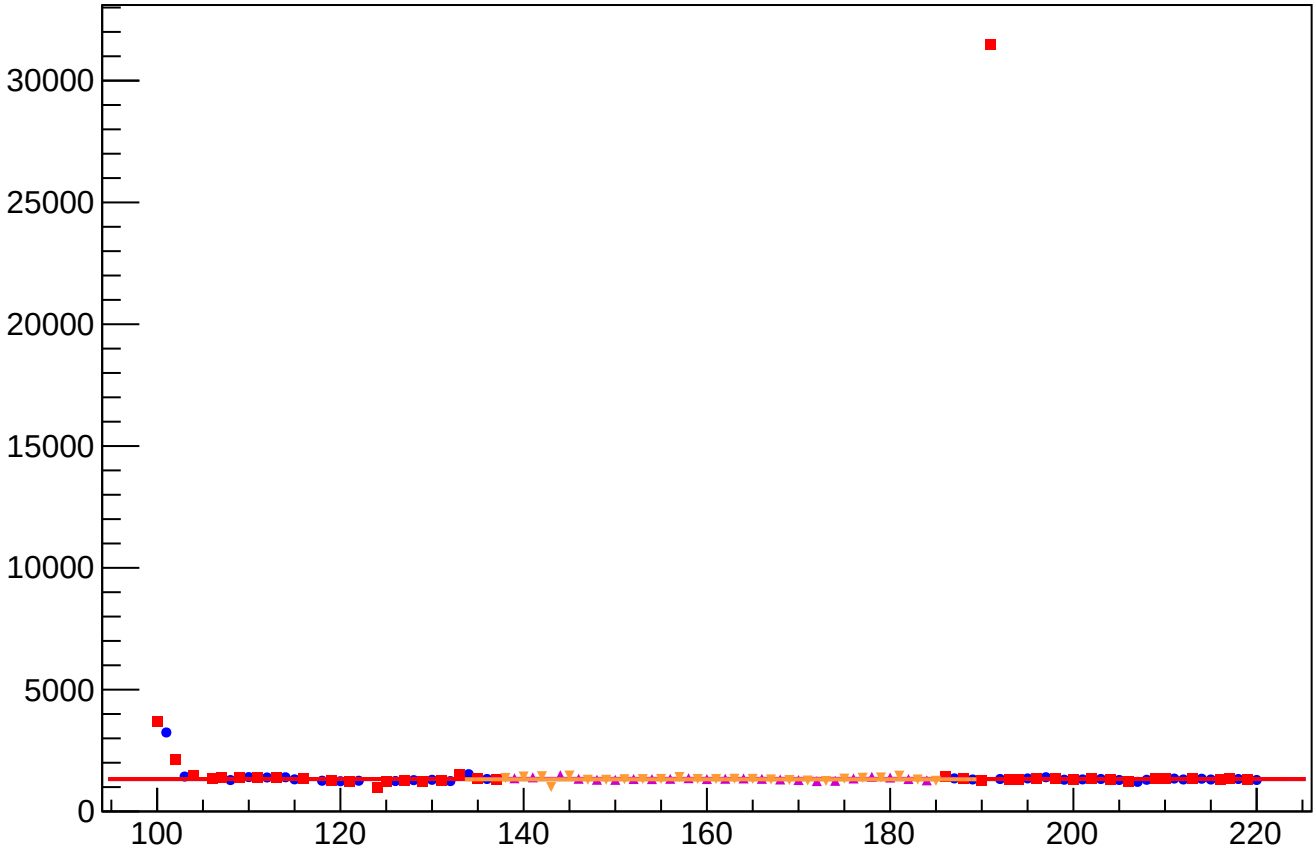
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1828.981+/-209.181 χ^2/NDF: 59.7/57

All: -106.332+/-149.386 χ^2/NDF: 298.7/117

- sign -2120.683+/-213.410 χ^2/NDF: 64.3/59

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1327.867+/-0.206 χ^2/NDF: 524781.5/32

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

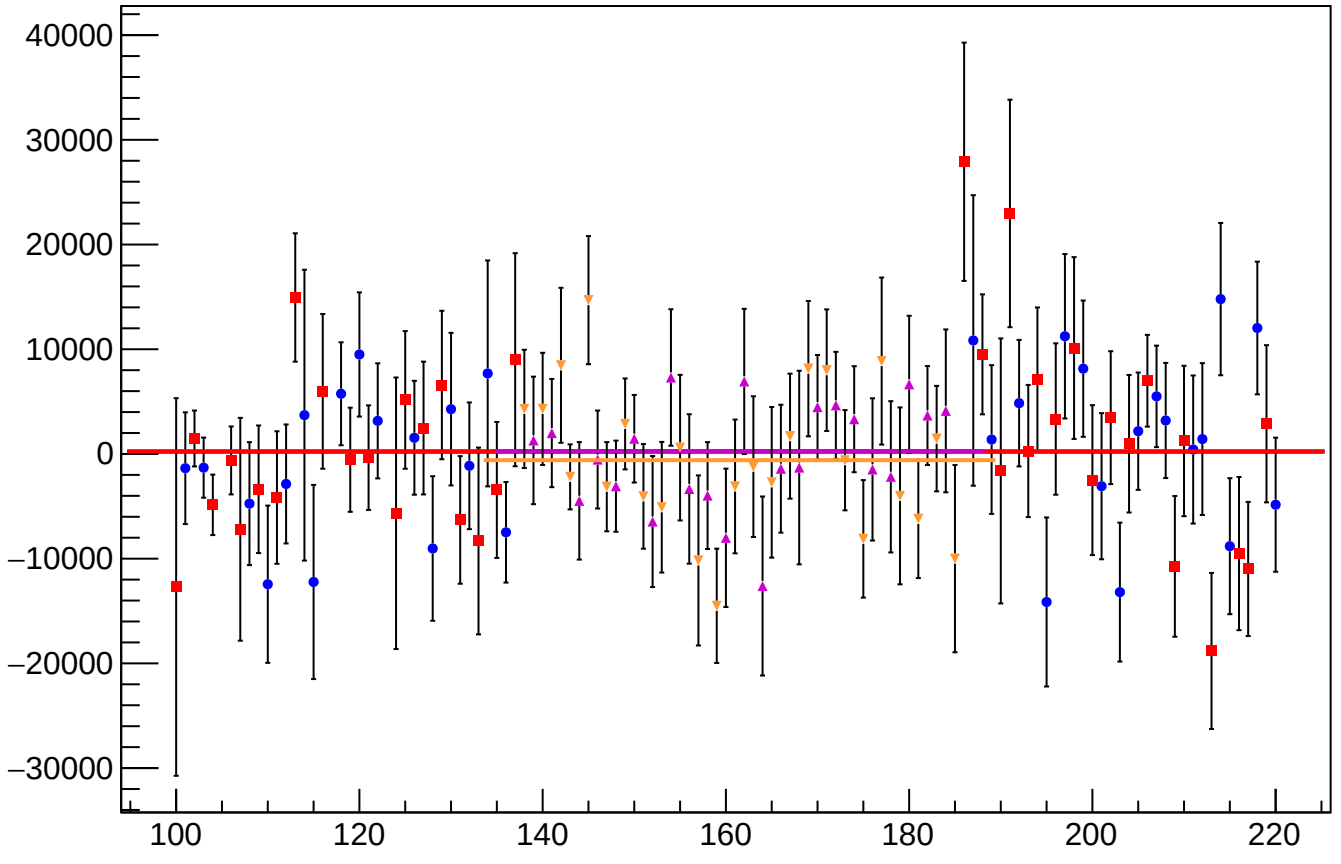
Right Out: 1331.739+/-0.206 χ^2/NDF: 450003.0/36

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1323.172+/-0.148 χ^2/NDF: 774403.9/57

All: 1328.935+/-0.106 χ^2/NDF: 1282270.6/11

- sign 1334.932+/-0.151 χ^2/NDF: 504768.9/59



Right In: 220.465+/-1056.331 χ^2/NDF: 39.2/32

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

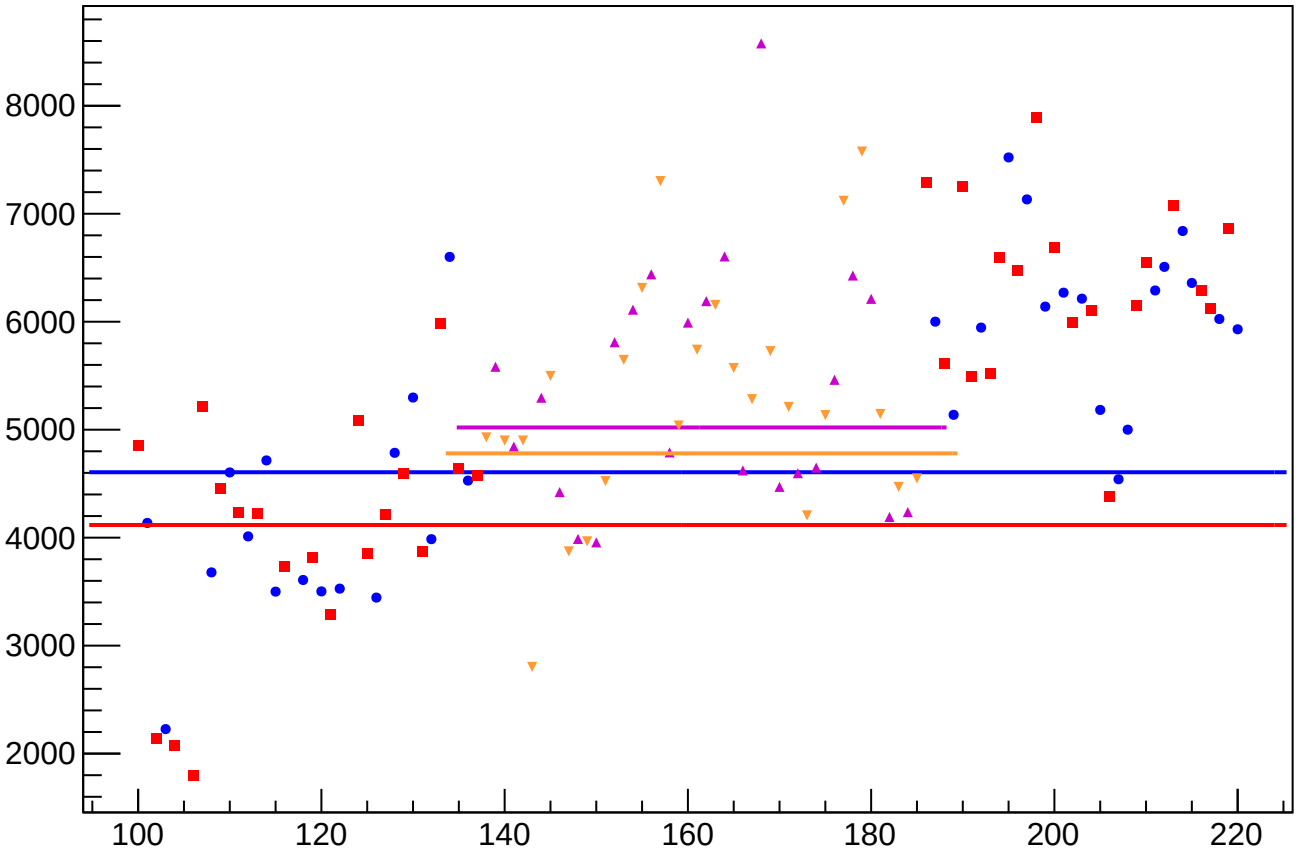
Right Out: 252.807+/-969.957 χ^2/NDF: 48.9/36

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -162.564+/-769.200 χ^2/NDF: 69.0/57

All: 53.457+/-538.288 χ^2/NDF: 131.4/117

- sign 260.779+/-753.551 χ^2/NDF: 62.3/59



Right In: 4605.899+/-0.747 χ^2/NDF: 3662562.7/32

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 4117.368+/-0.686 χ^2/NDF: 6739353.9/36

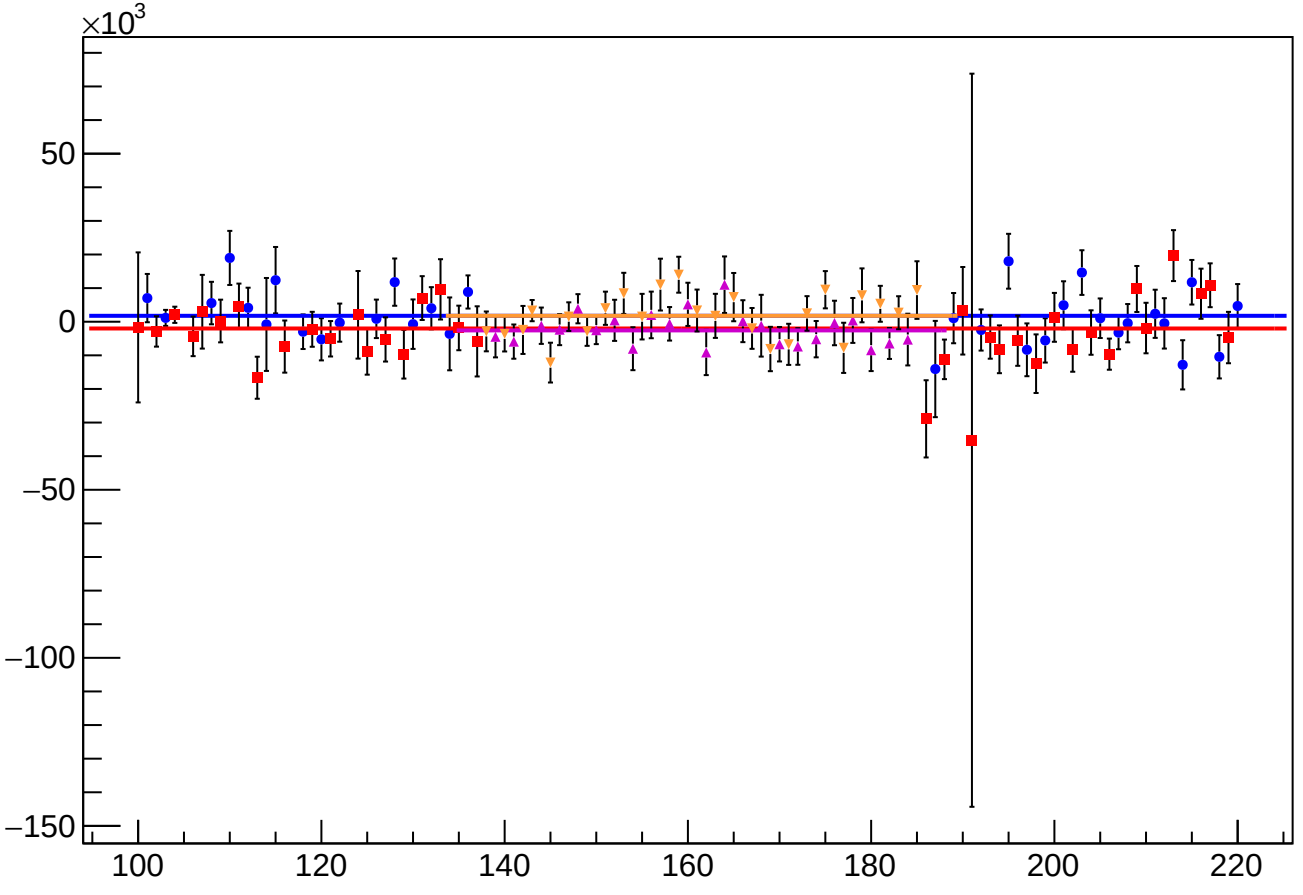
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4687.873+/-0.544 χ^2/NDF: 5694449.3/57

All: 4579.470+/-0.381 χ^2/NDF: 14424239.2/1

- sign 4475.433+/-0.533 χ^2/NDF: 8651945.1/59

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 1760.389+/-1059.560 χ^2/NDF: 37.5/32

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -2012.377+/-1051.607 χ^2/NDF: 48.7/36

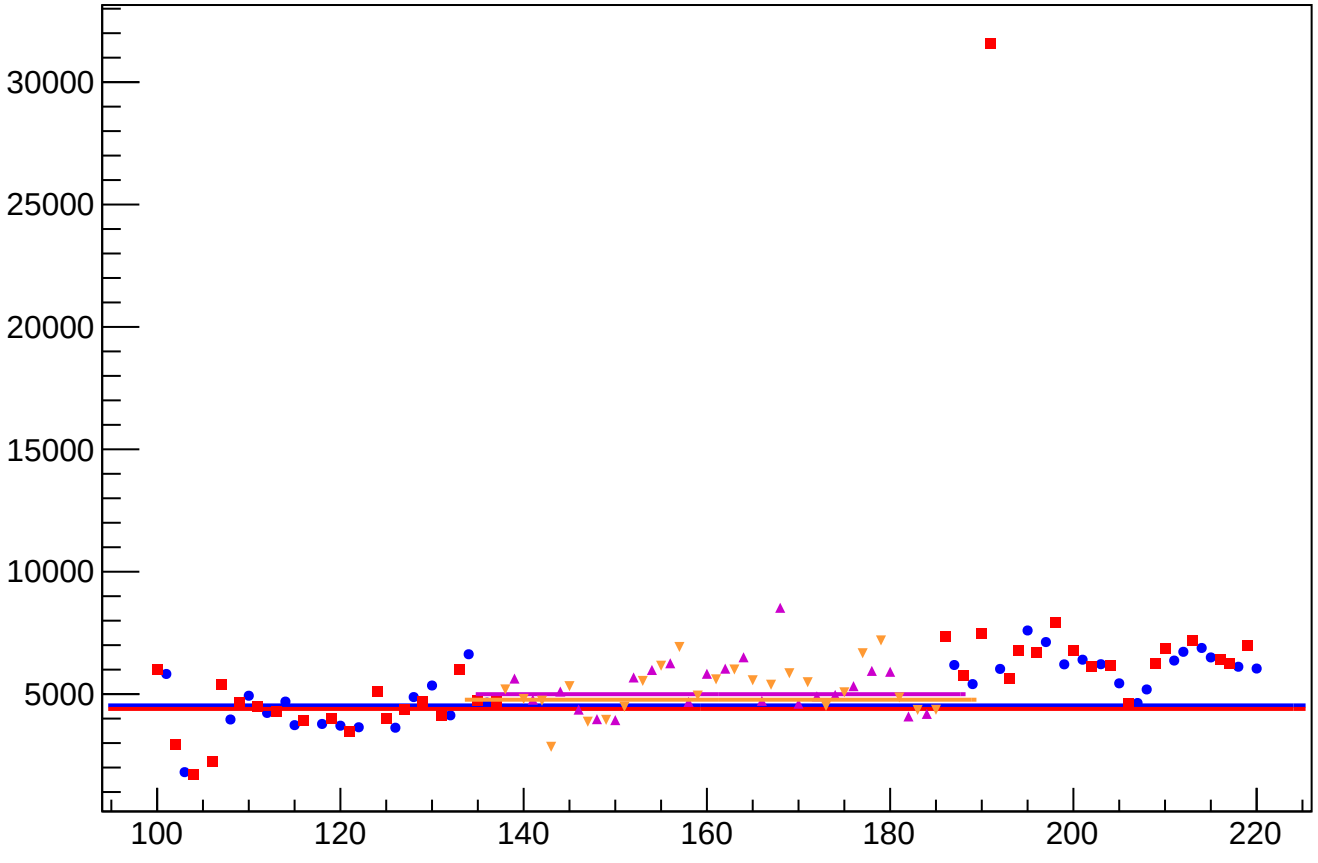
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 1761.002+/-768.476 χ^2/NDF: 65.2/57

All: -200.996+/-550.016 χ^2/NDF: 140.6/117

- sign -2261.625+/-787.555 χ^2/NDF: 62.1/59

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4538.342+/-0.749 χ^2/NDF: 5066093.1/32

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

Right Out: 4395.031+/-0.737 χ^2/NDF: 6275659.2/36

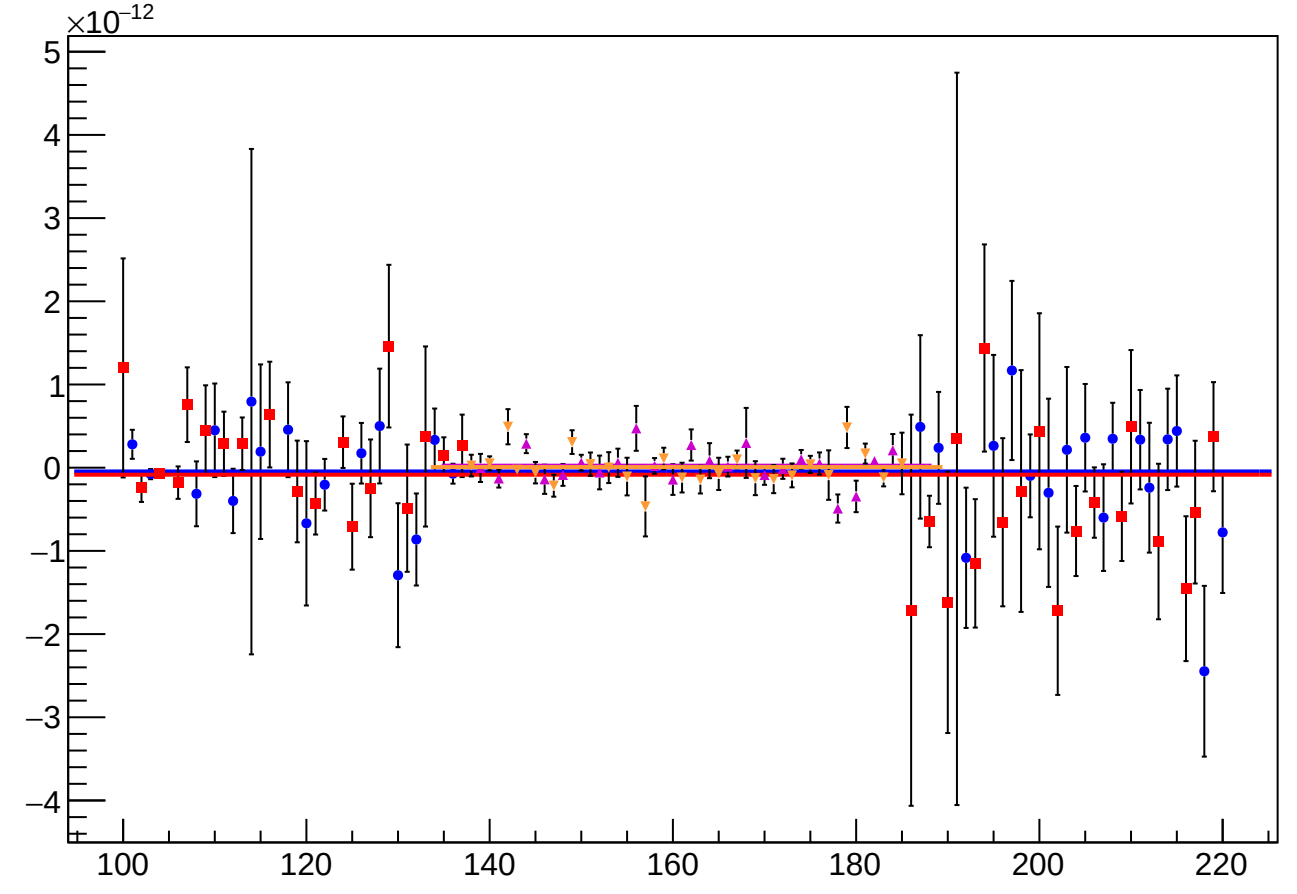
Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4648.700+/-0.543 χ^2/NDF: 6898952.2/57

All: 4652.632+/-0.388 χ^2/NDF: 14560274.4/1

- sign 4656.722+/-0.554 χ^2/NDF: 7661215.4/59

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 27.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

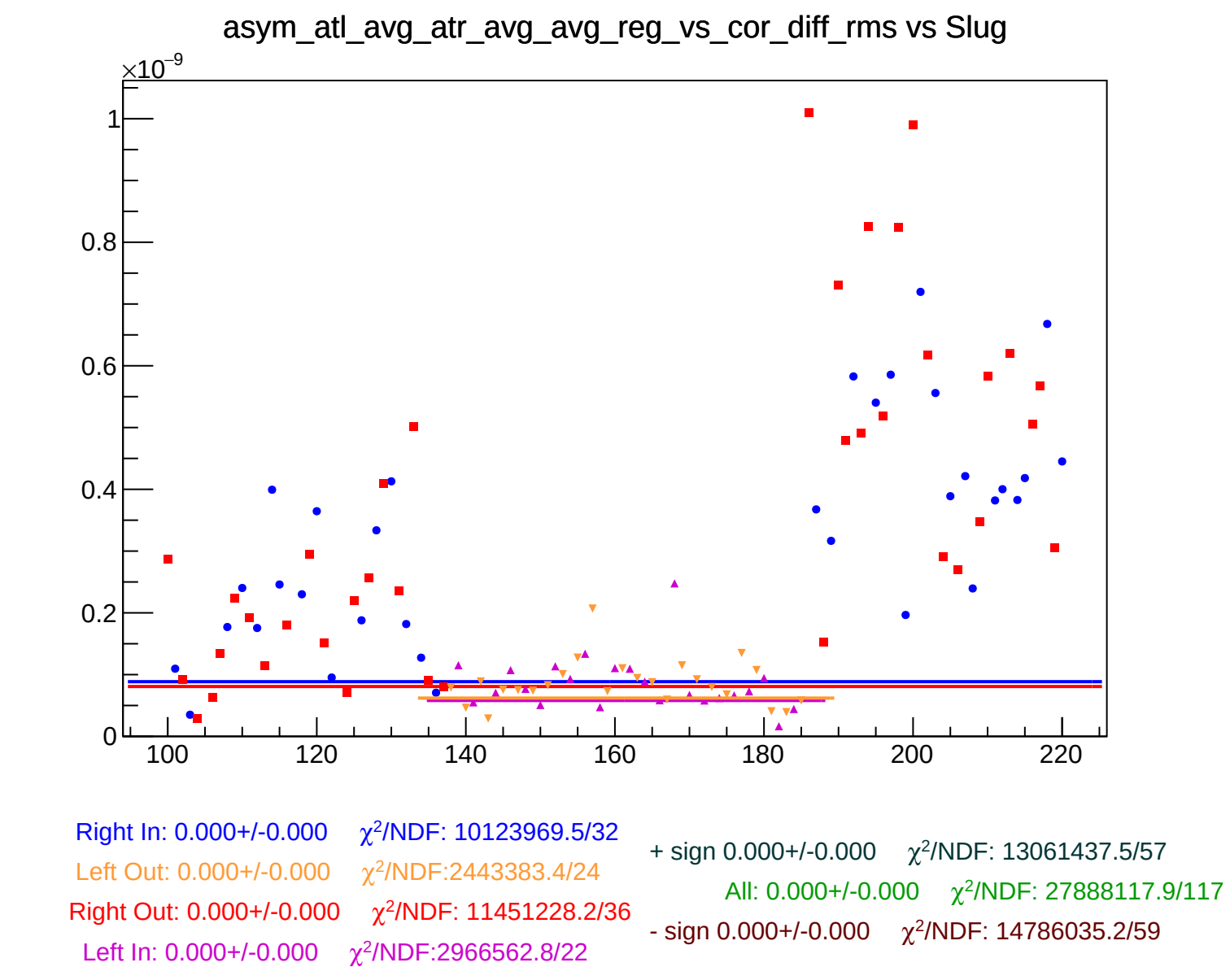
Right Out: -0.000+/-0.000 χ^2/NDF: 37.9/36

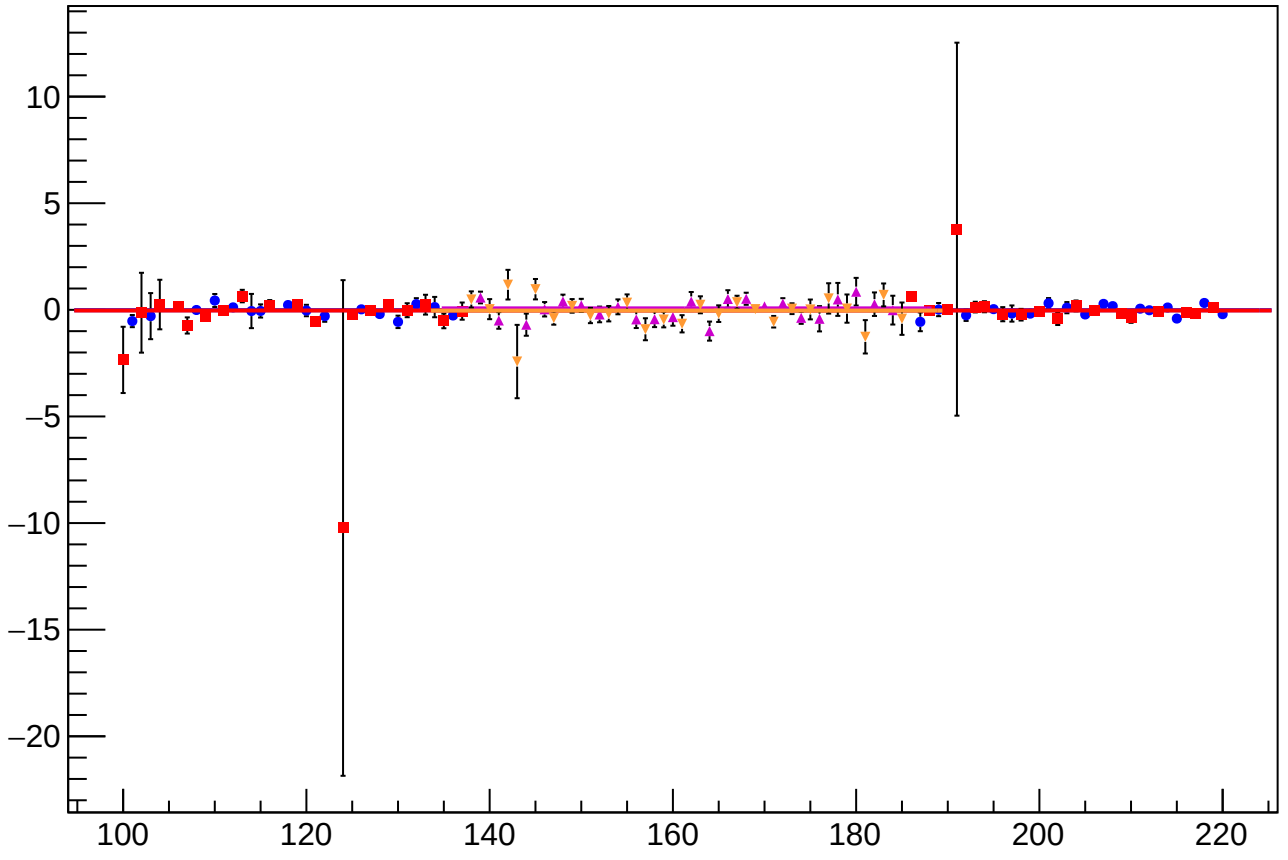
Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.1/57

All: -0.000+/-0.000 χ^2/NDF: 128.9/117

- sign -0.000+/-0.000 χ^2/NDF: 73.8/59


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 10123969.5/32
Left Out: 0.000+/-0.000 χ²/NDF:2443383.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 11451228.2/36
Left In: 0.000+/-0.000 χ²/NDF:2966562.8/22
+ sign 0.000+/-0.000 χ²/NDF: 13061437.5/57
All: 0.000+/-0.000 χ²/NDF: 27888117.9/117
- sign 0.000+/-0.000 χ²/NDF: 14786035.2/59



Right In: -0.017+/-0.038 χ^2/NDF: 41.3/32

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

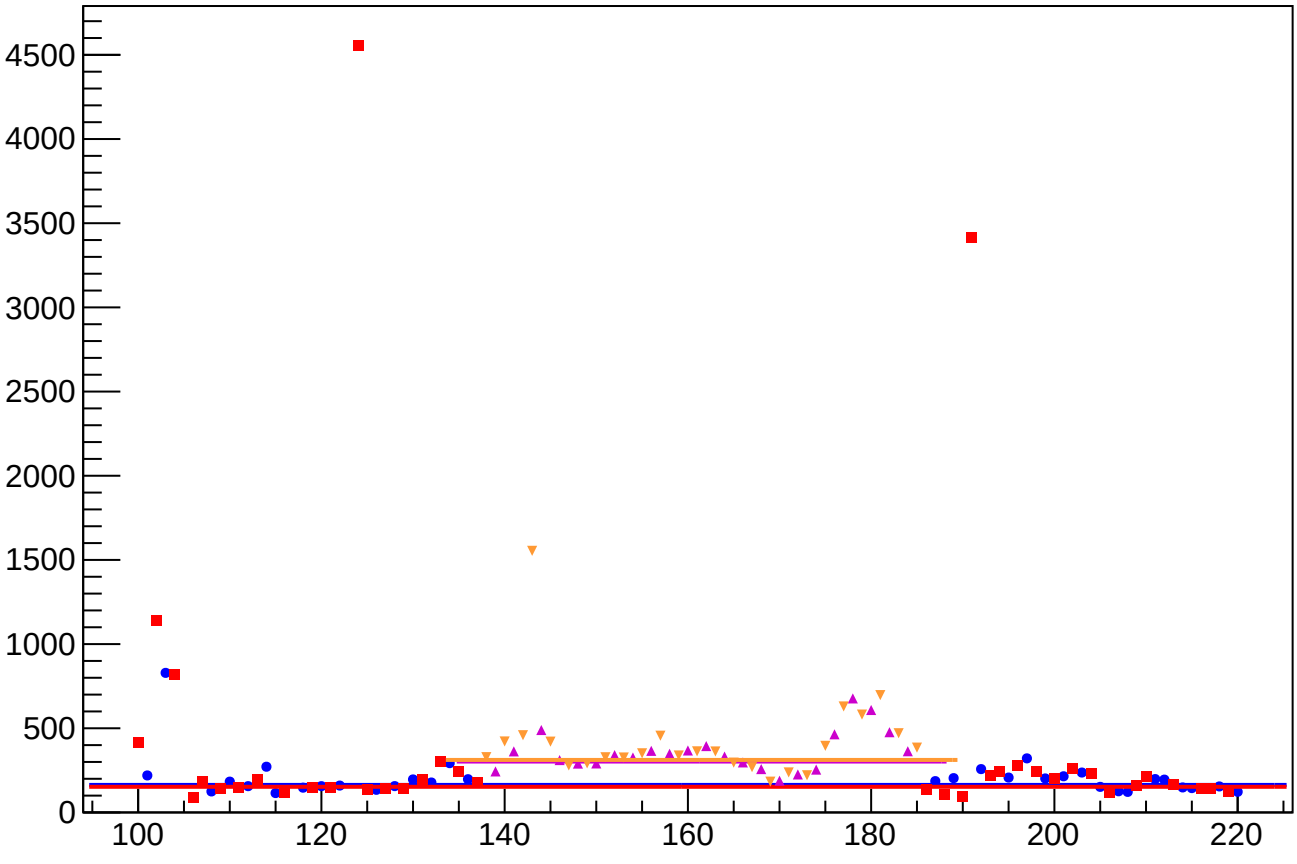
Right Out: -0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.021+/-0.034 χ^2/NDF: 73.8/57

All: -0.016+/-0.024 χ^2/NDF: 150.6/117

- sign -0.011+/-0.033 χ^2/NDF: 76.7/59



Right In: 163.589+/-0.027 χ^2/NDF: 2957043.4/32

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

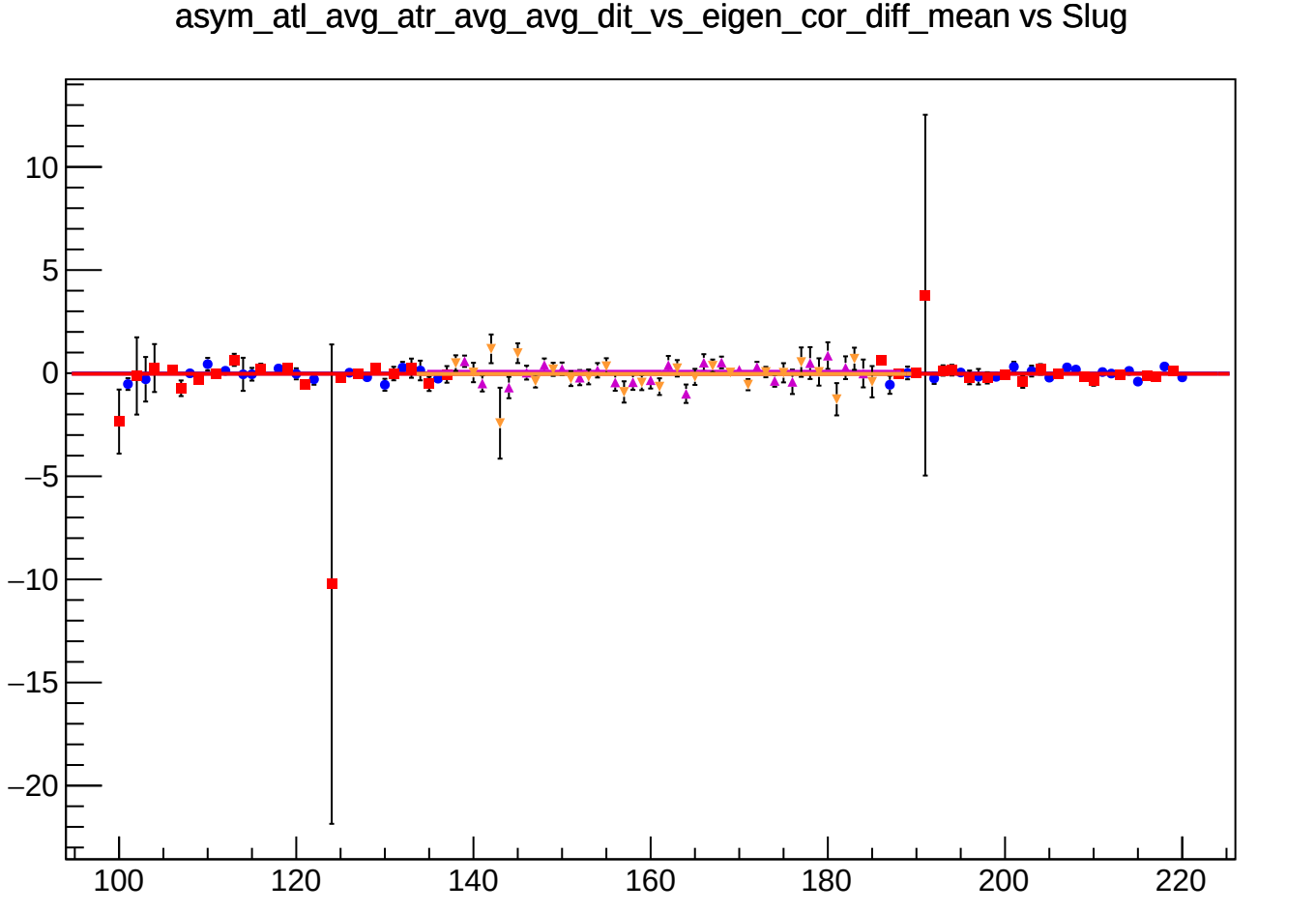
Right Out: 152.429+/-0.026 χ^2/NDF: 5001105.7/36

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 193.316+/-0.024 χ^2/NDF: 13295925.0/57

All: 187.153+/-0.017 χ^2/NDF: 27693791.7/11

- sign 181.469+/-0.023 χ^2/NDF: 14273877.3/59



Right In: -0.017+/-0.038 χ^2/NDF: 41.3/32

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

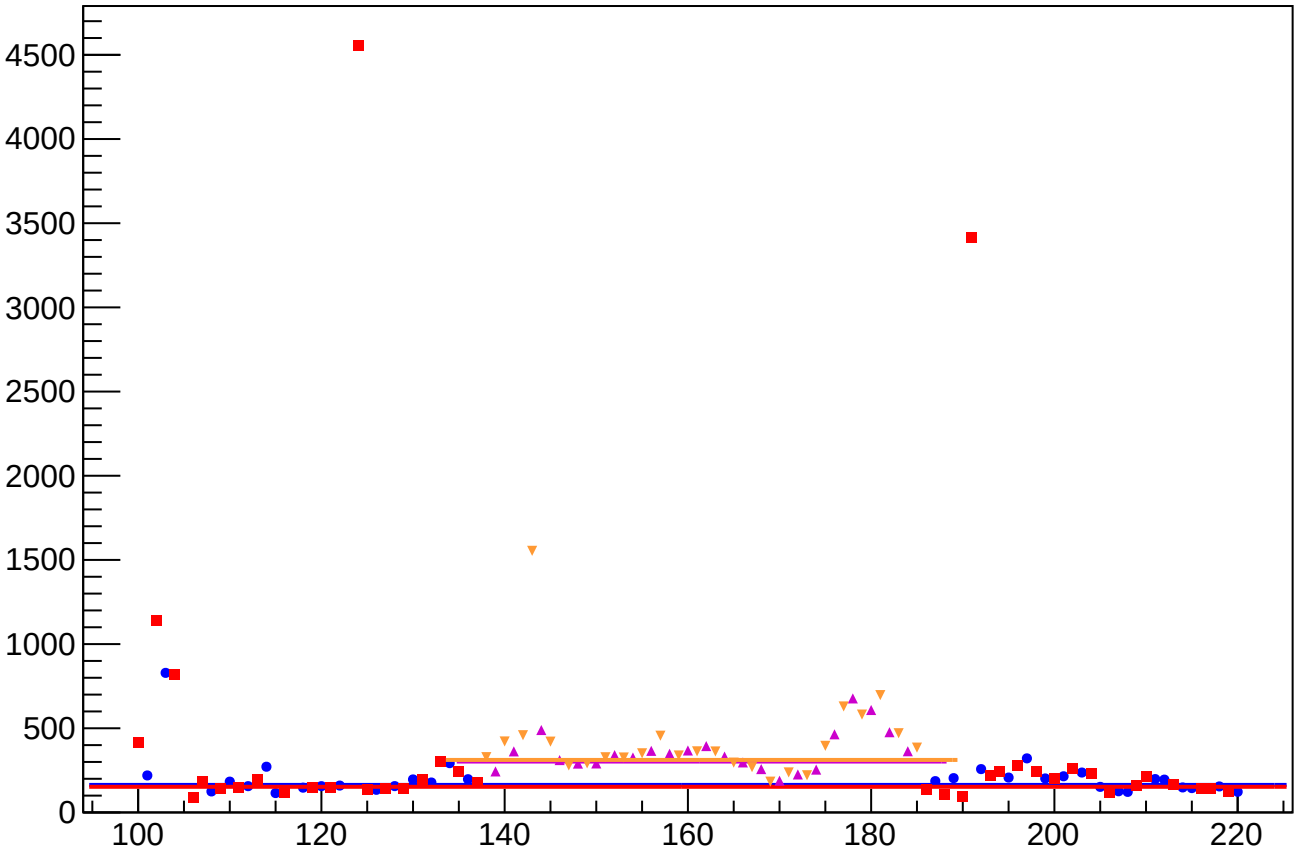
Right Out: -0.030+/-0.037 χ^2/NDF: 45.4/36

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.021+/-0.034 χ^2/NDF: 73.8/57

All: -0.016+/-0.024 χ^2/NDF: 150.6/117

- sign -0.011+/-0.033 χ^2/NDF: 76.7/59



Right In: 163.589+/-0.027 χ^2/NDF: 2957043.4/32

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

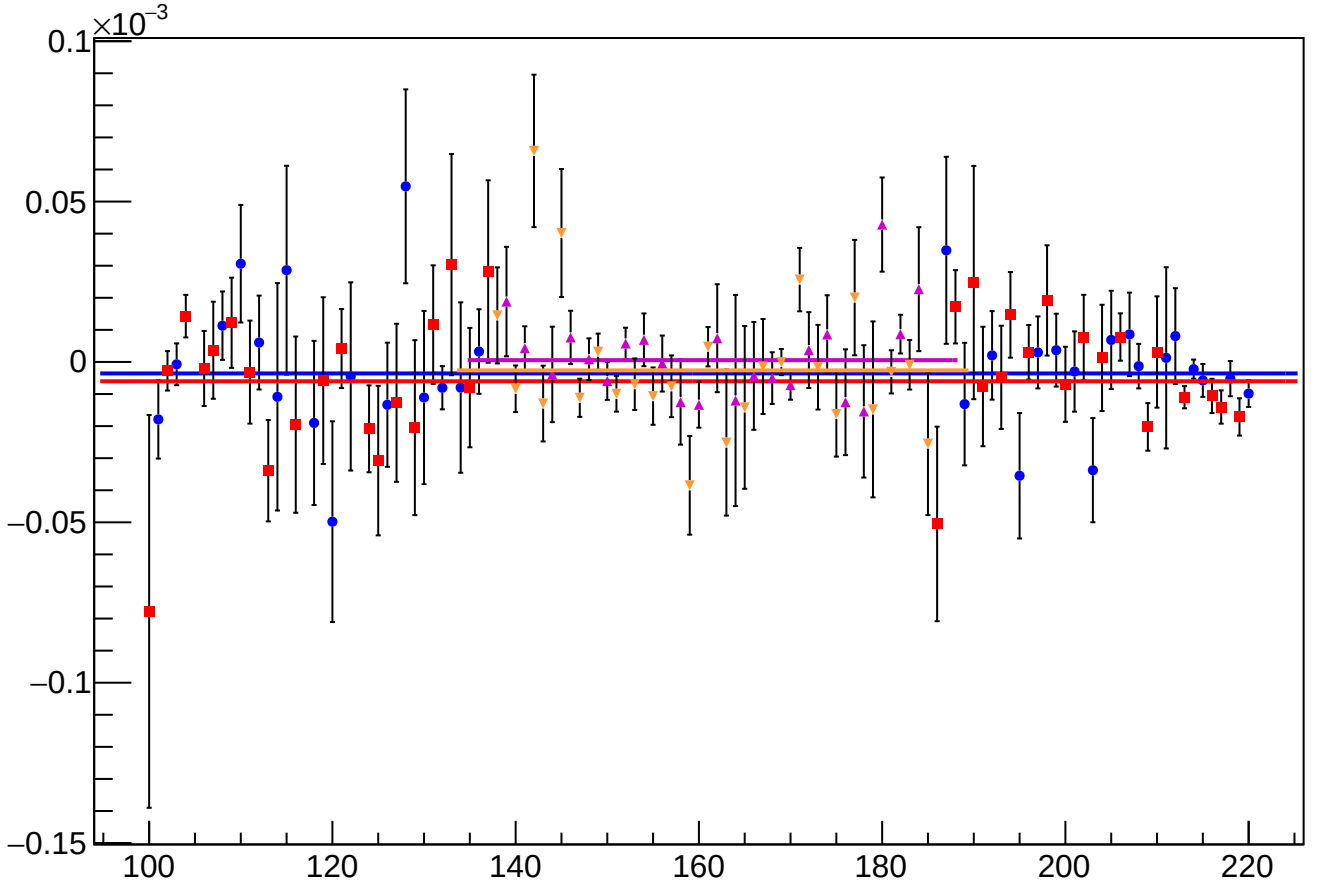
Right Out: 152.429+/-0.026 χ^2/NDF: 5001105.7/36

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 193.316+/-0.024 χ^2/NDF: 13295925.0/57

All: 187.153+/-0.017 χ^2/NDF: 27693791.7/11

- sign 181.469+/-0.023 χ^2/NDF: 14273877.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 29.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

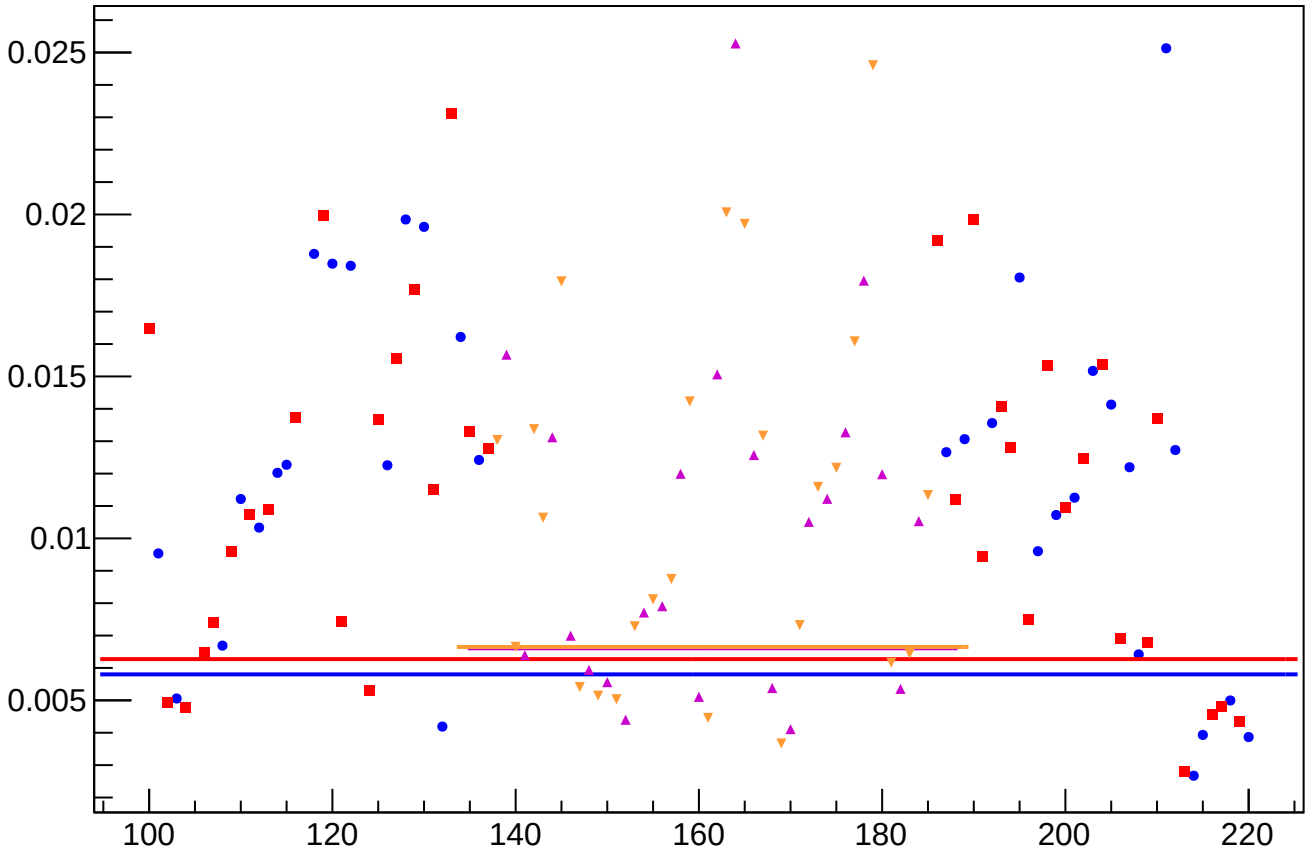
Right Out: -0.000+/-0.000 χ^2/NDF: 53.8/36

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.2/57

All: -0.000+/-0.000 χ^2/NDF: 160.4/117

- sign -0.000+/-0.000 χ^2/NDF: 88.2/59



Right In: 0.006+/-0.000 χ^2/NDF: 12912119.5/32

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

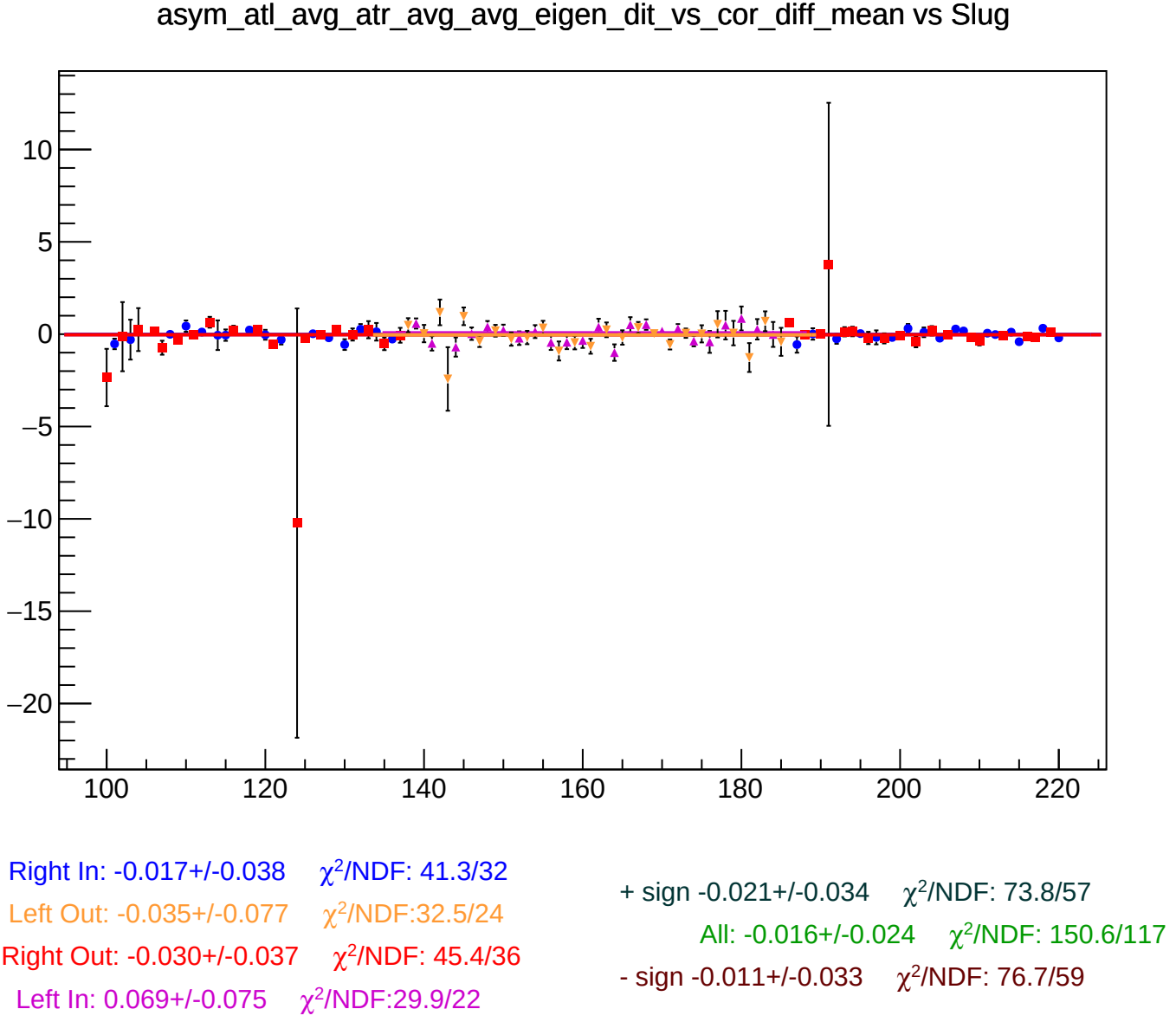
Right Out: 0.006+/-0.000 χ^2/NDF: 10238196.9/36

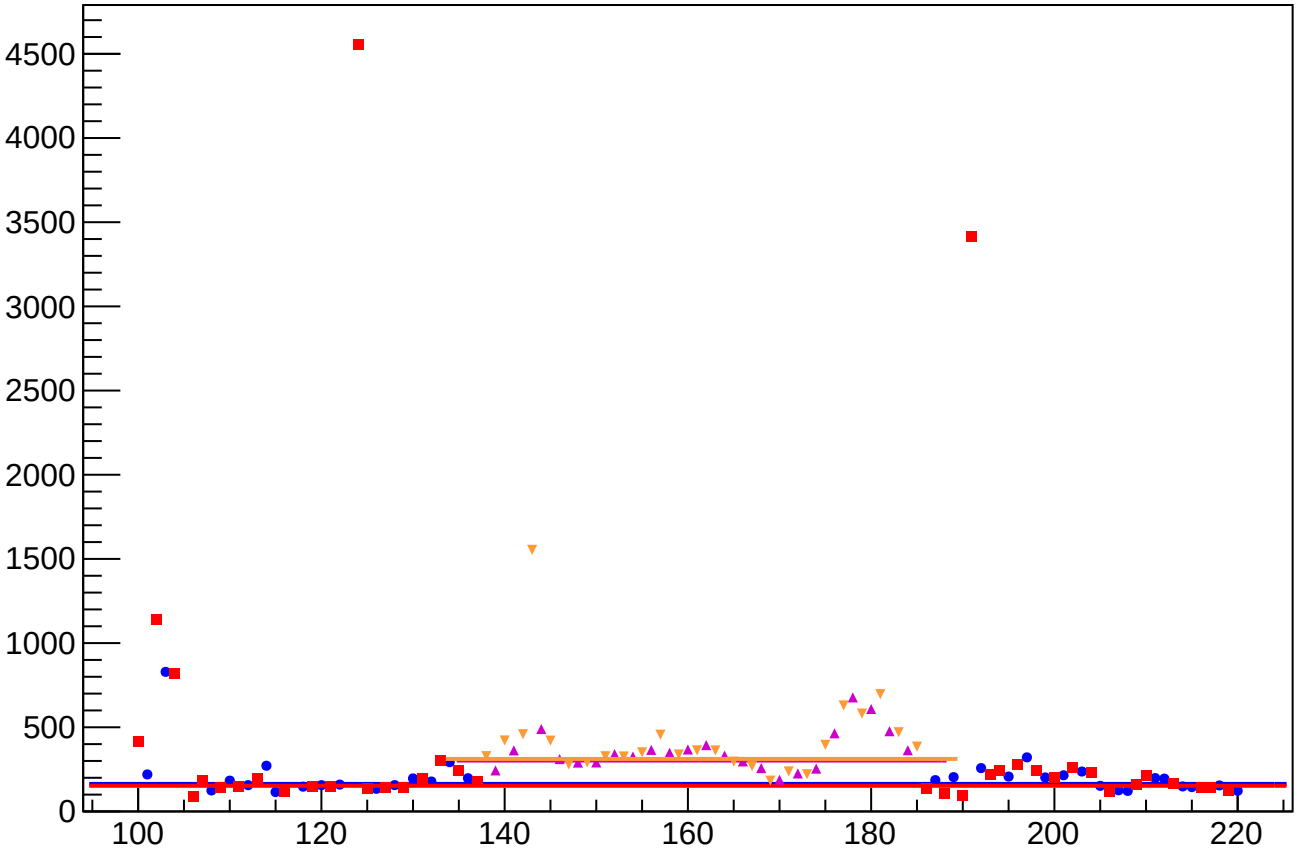
Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 20685955.5/57

All: 0.006+/-0.000 χ^2/NDF: 36859558.3/117

- sign 0.006+/-0.000 χ^2/NDF: 16132360.8/59


asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
10
5
0
−5
−10
−15
−20
100
120
140
160
180
200
220
Right In: -0.017+/-0.038 χ²/NDF: 41.3/32
Left Out: -0.035+/-0.077 χ²/NDF:32.5/24
Right Out: -0.030+/-0.037 χ²/NDF: 45.4/36
Left In: 0.069+/-0.075 χ²/NDF:29.9/22
+ sign -0.021+/-0.034 χ²/NDF: 73.8/57
All: -0.016+/-0.024 χ²/NDF: 150.6/117
- sign -0.011+/-0.033 χ²/NDF: 76.7/59



Right In: 163.588+/-0.027 χ^2/NDF: 2957109.8/32

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

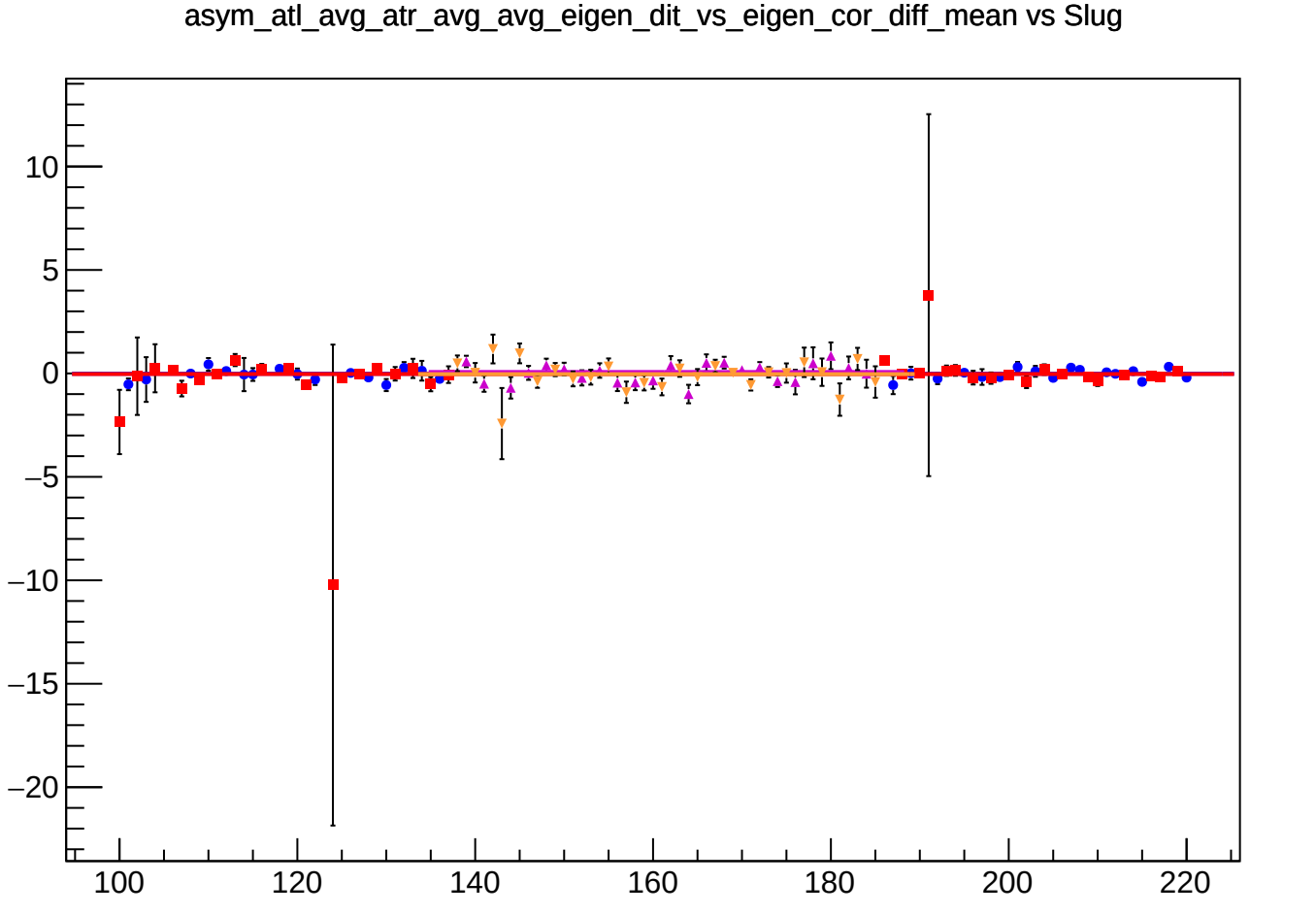
Right Out: 152.426+/-0.026 χ^2/NDF: 5001314.9/36

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 193.315+/-0.024 χ^2/NDF: 13296267.7/57

All: 187.151+/-0.017 χ^2/NDF: 27694827.6/11

- sign 181.466+/-0.023 χ^2/NDF: 14274533.3/59



Right In: -0.017+/-0.038 χ^2/NDF: 41.3/32

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

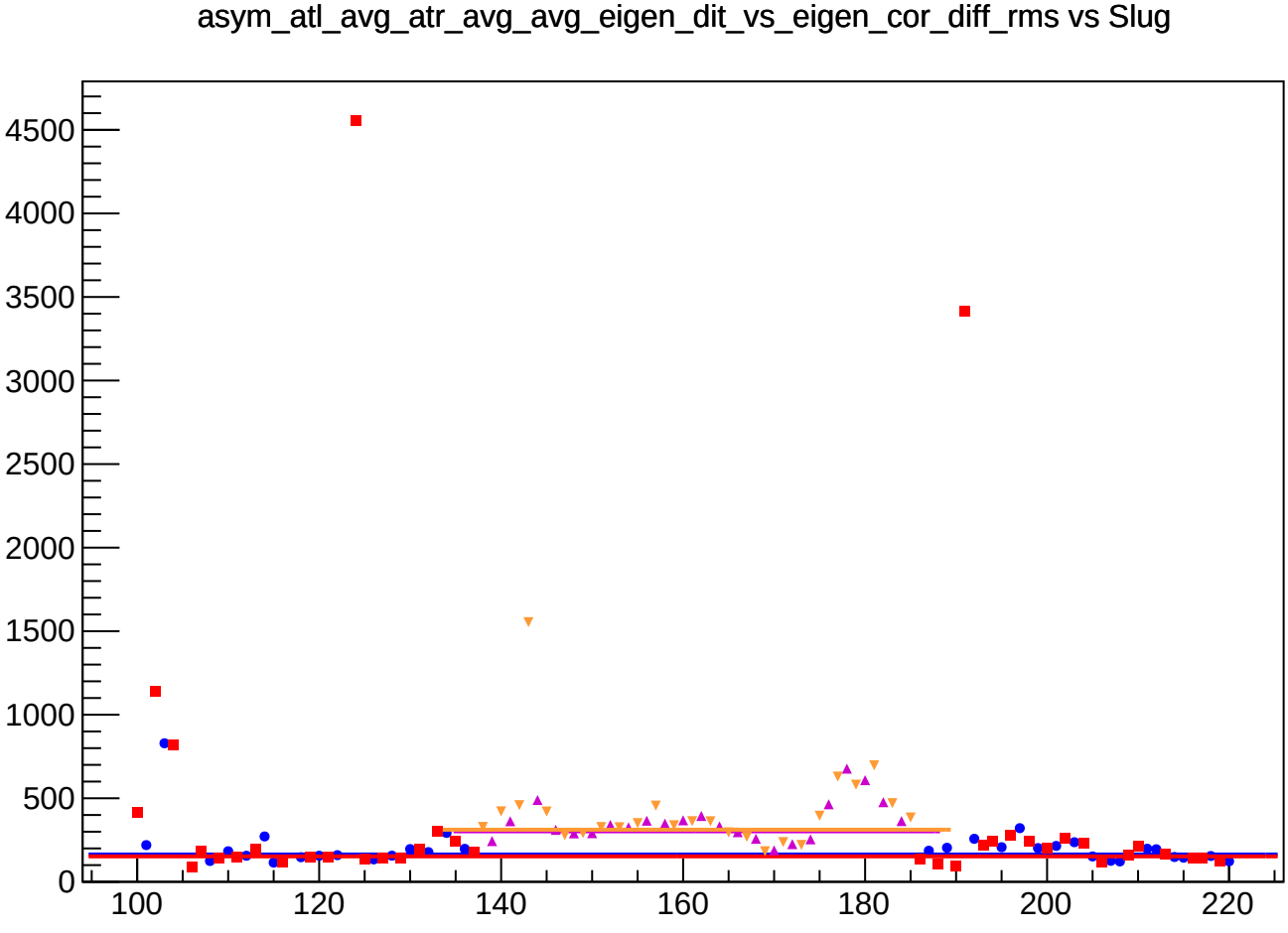
Right Out: -0.030+/-0.037 χ^2/NDF: 45.4/36

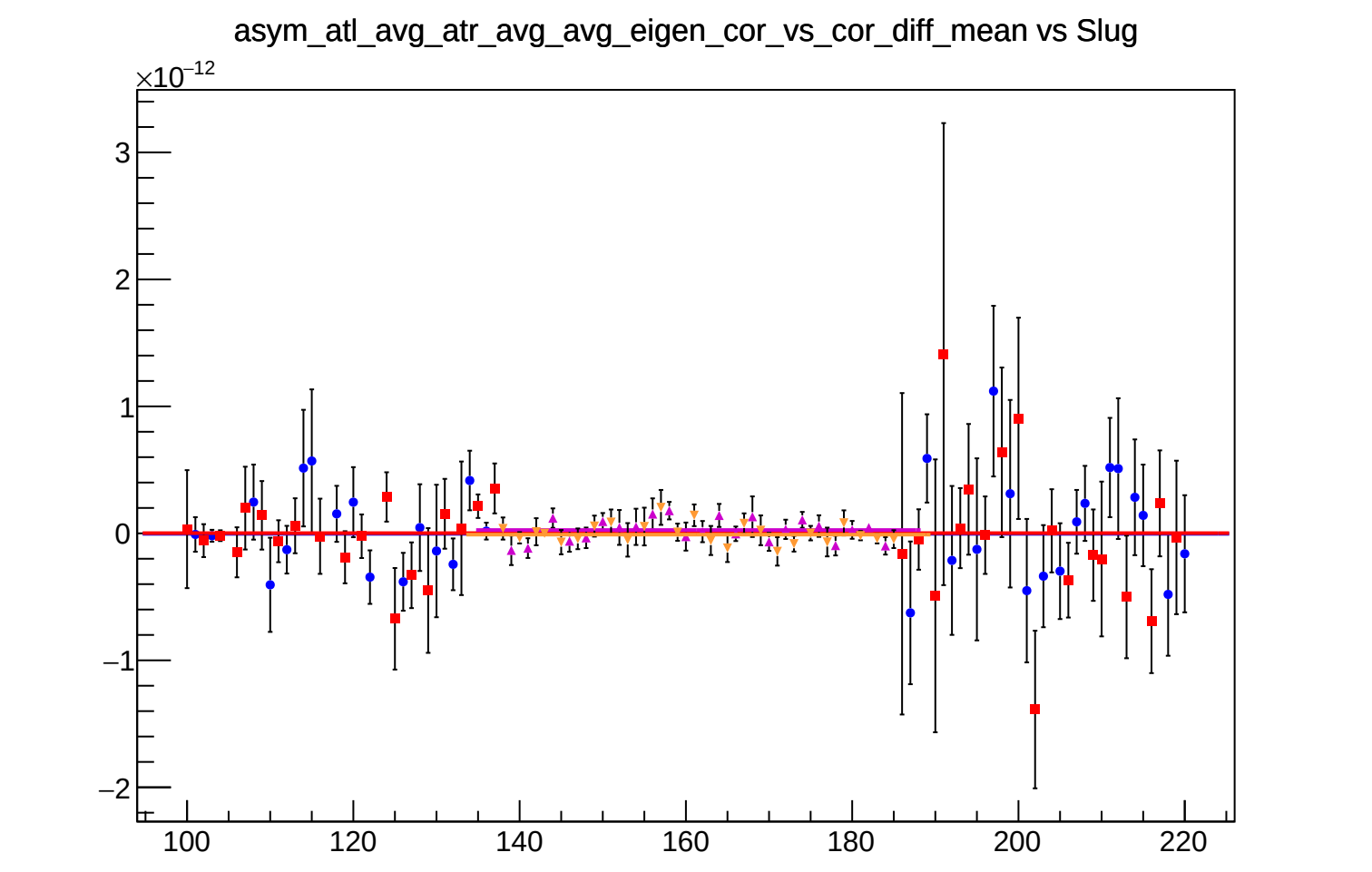
Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.021+/-0.034 χ^2/NDF: 73.8/57

All: -0.016+/-0.024 χ^2/NDF: 150.6/117

- sign -0.011+/-0.033 χ^2/NDF: 76.7/59


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
220
Right In: 163.588+/-0.027 χ2/NDF: 2957109.8/32
Left Out: 311.961+/-0.054 χ2/NDF:4350376.6/24
Right Out: 152.426+/-0.026 χ2/NDF: 5001314.9/36
Left In: 302.377+/-0.053 χ2/NDF:2808874.8/22
+ sign 193.315+/-0.024 χ2/NDF: 13296267.7/57
All: 187.151+/-0.017 χ2/NDF: 27694827.6/11
- sign 181.466+/-0.023 χ2/NDF: 14274533.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 30.5/32

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

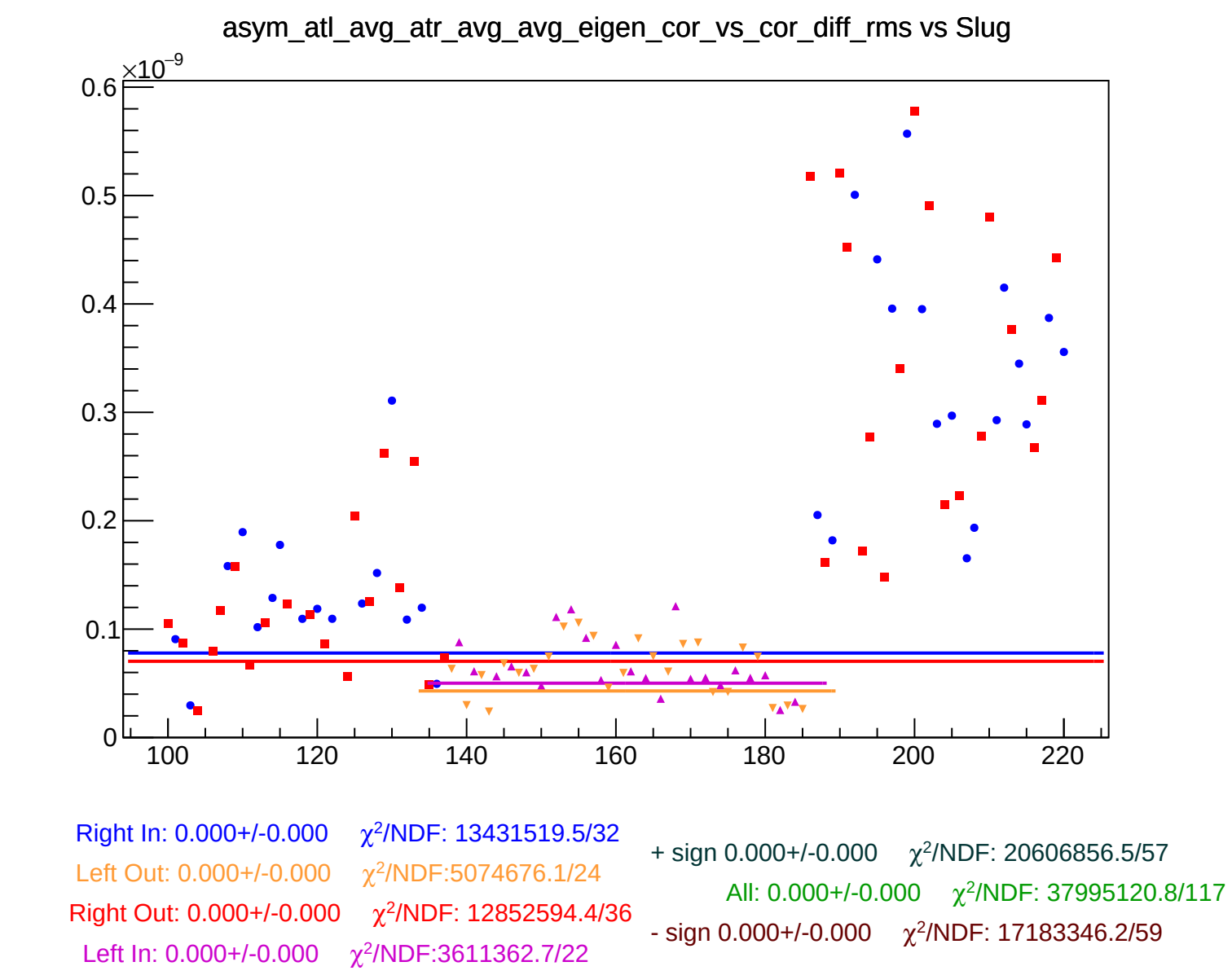
Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/36

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

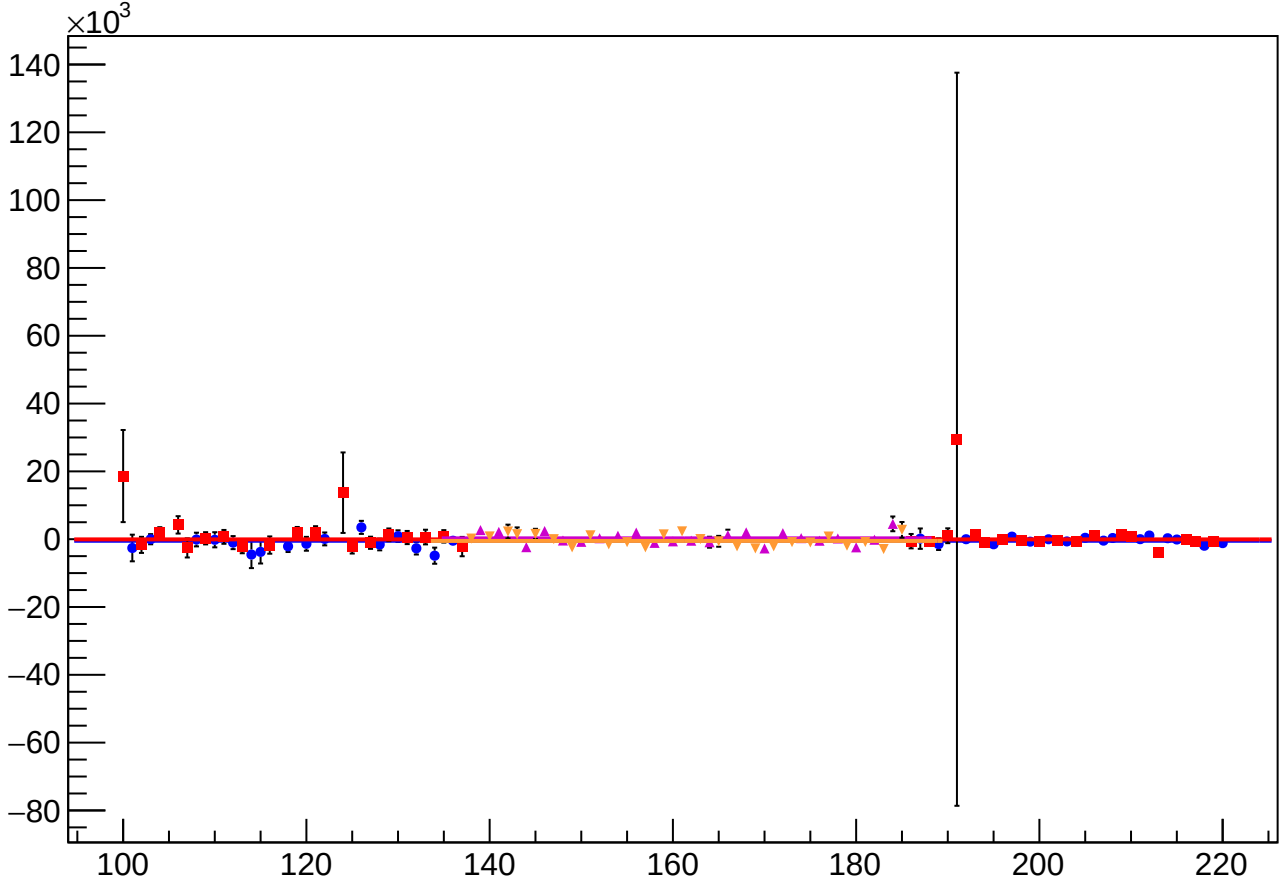
+ sign -0.000+/-0.000 χ^2/NDF: 46.7/57

All: 0.000+/-0.000 χ^2/NDF: 111.3/117

- sign 0.000+/-0.000 χ^2/NDF: 61.9/59


asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 13431519.5/32
Left Out: 0.000+/-0.000 χ²/NDF:5074676.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 12852594.4/36
Left In: 0.000+/-0.000 χ²/NDF:3611362.7/22
+ sign 0.000+/-0.000 χ²/NDF: 20606856.5/57
All: 0.000+/-0.000 χ²/NDF: 37995120.8/117
- sign 0.000+/-0.000 χ²/NDF: 17183346.2/59

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -461.897+/-279.371 χ^2/NDF: 19.8/32

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -60.765+/-280.571 χ^2/NDF: 30.2/36

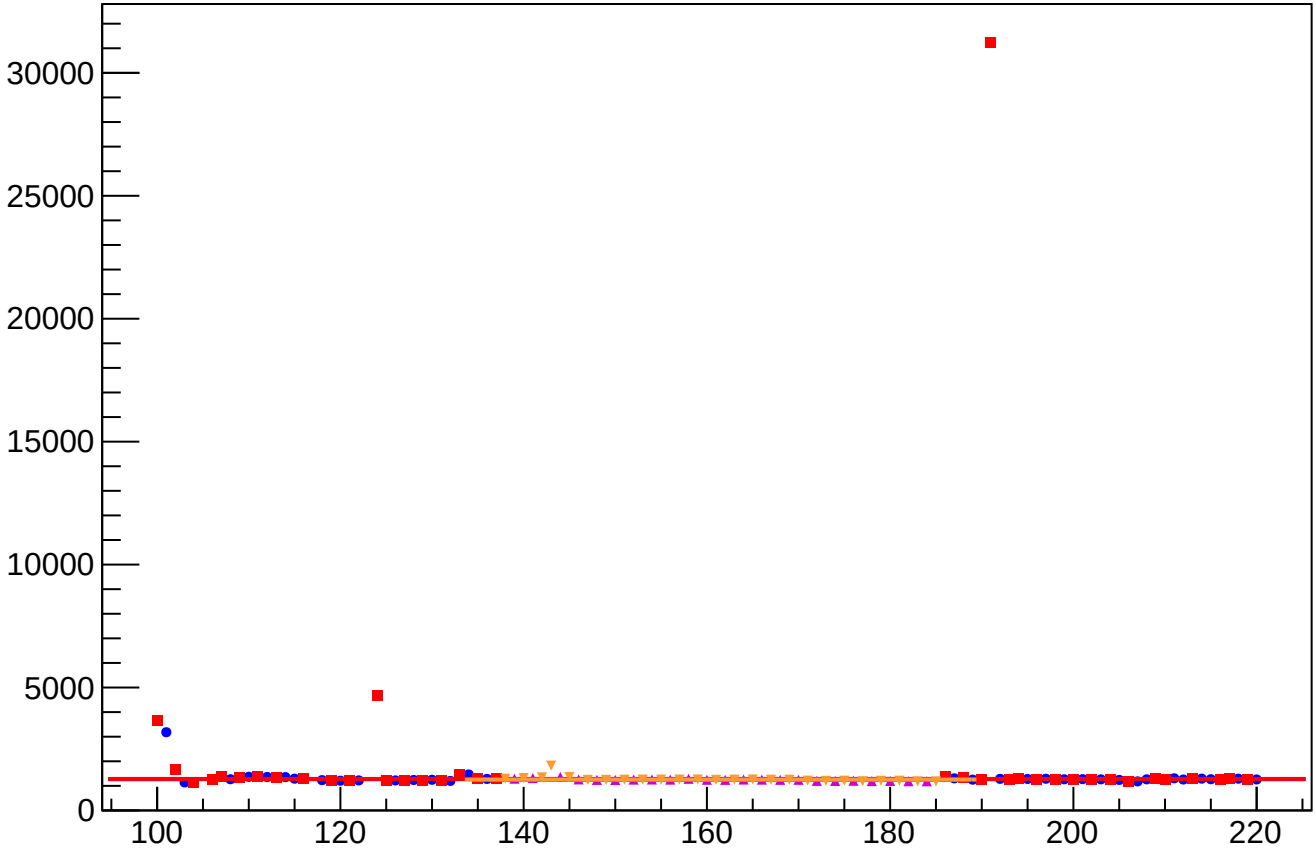
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -487.579+/-199.829 χ^2/NDF: 50.7/57

All: -204.266+/-142.074 χ^2/NDF: 117.6/117

- sign 85.339+/-202.036 χ^2/NDF: 62.8/59

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1273.606+/-0.198 χ^2/NDF: 534706.4/32

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

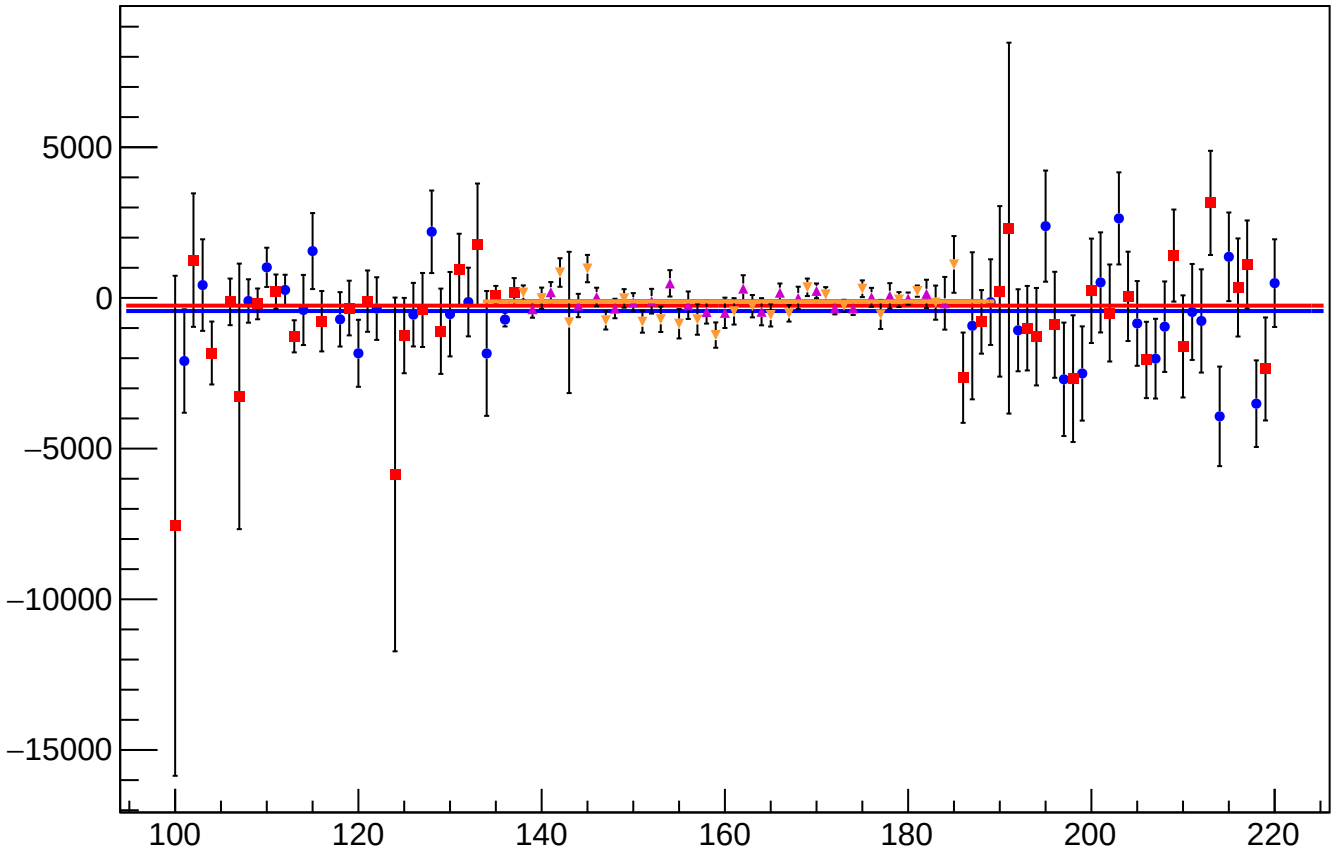
Right Out: 1282.870+/-0.198 χ^2/NDF: 508745.8/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.771+/-0.141 χ^2/NDF: 741927.0/57

All: 1265.027+/-0.100 χ^2/NDF: 1306847.6/11

- sign 1265.289+/-0.143 χ^2/NDF: 564914.0/59



Right In: -435.722+/-153.635 χ^2/NDF: 41.1/32

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -256.088+/-154.653 χ^2/NDF: 30.4/36

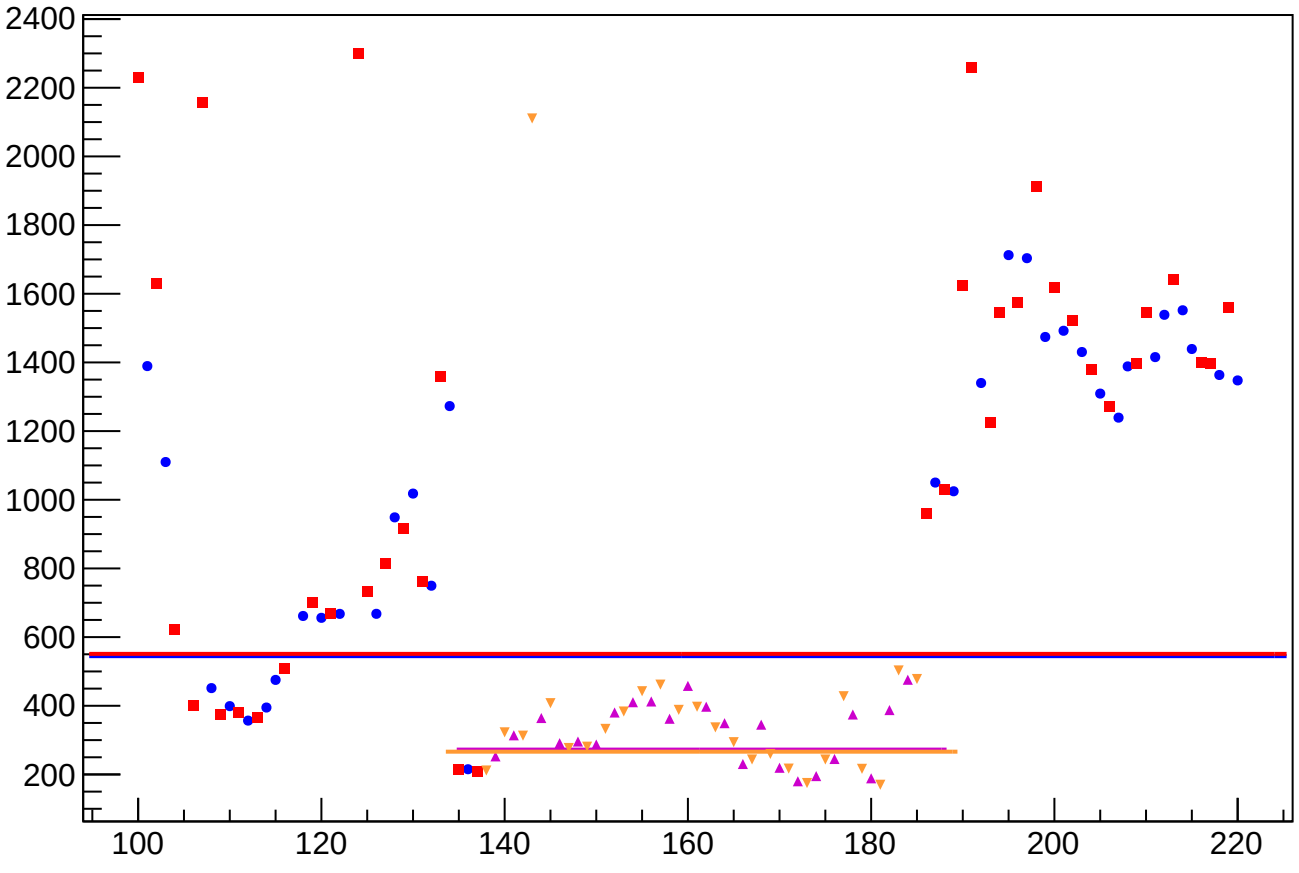
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -165.487+/-59.909 χ^2/NDF: 93.2/57

All: -148.616+/-42.906 χ^2/NDF: 138.3/117

\- sign -130.848+/-61.479 χ^2/NDF: 44.9/59

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 544.541+/-0.109 χ^2/NDF: 16555897.1/32

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 551.143+/-0.109 χ^2/NDF: 16516225.8/36

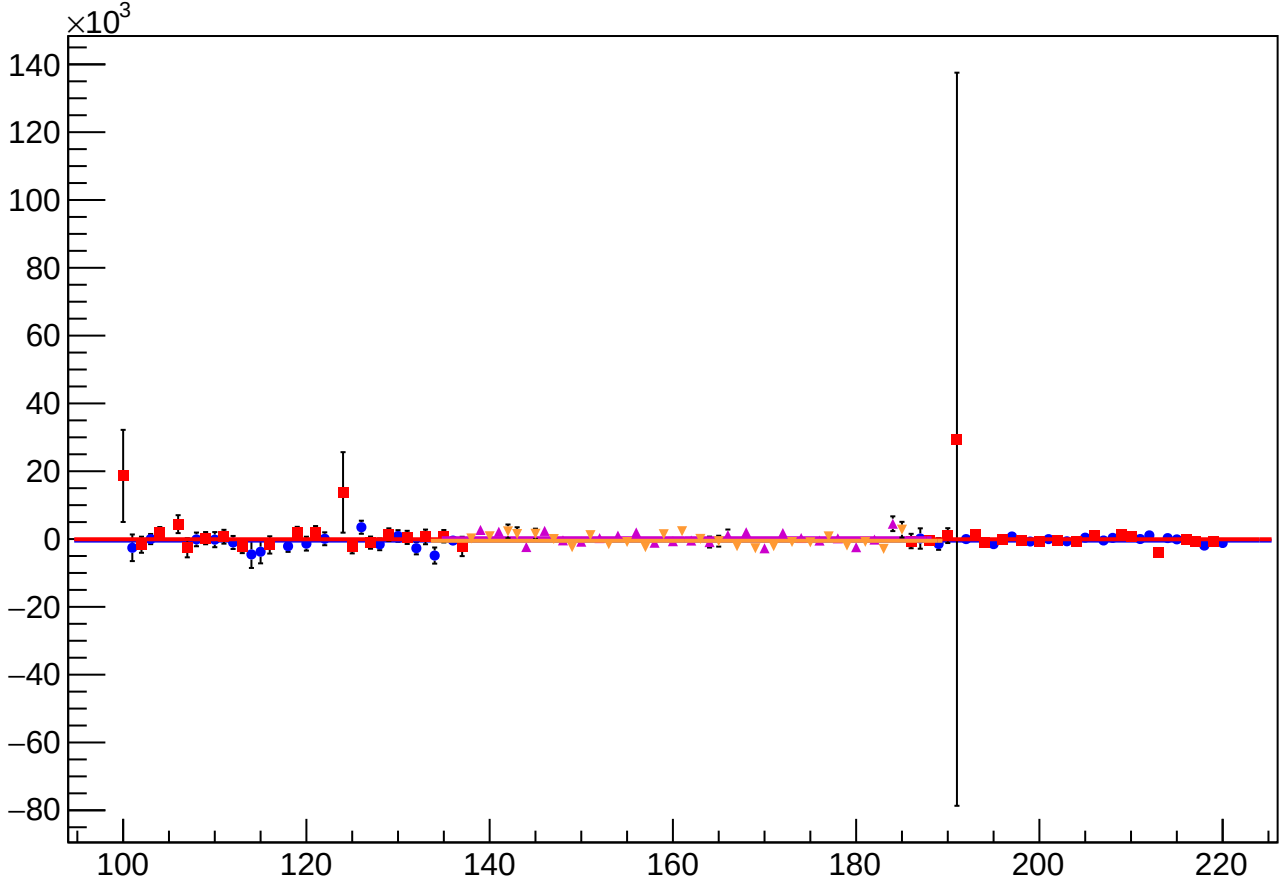
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 308.625+/-0.042 χ^2/NDF: 26747548.3/57

All: 312.423+/-0.030 χ^2/NDF: 51639776.4/11

- sign 316.423+/-0.043 χ^2/NDF: 24875725.5/59

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -461.752+/-279.371 χ^2/NDF: 19.8/32

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -61.914+/-280.672 χ^2/NDF: 30.3/36

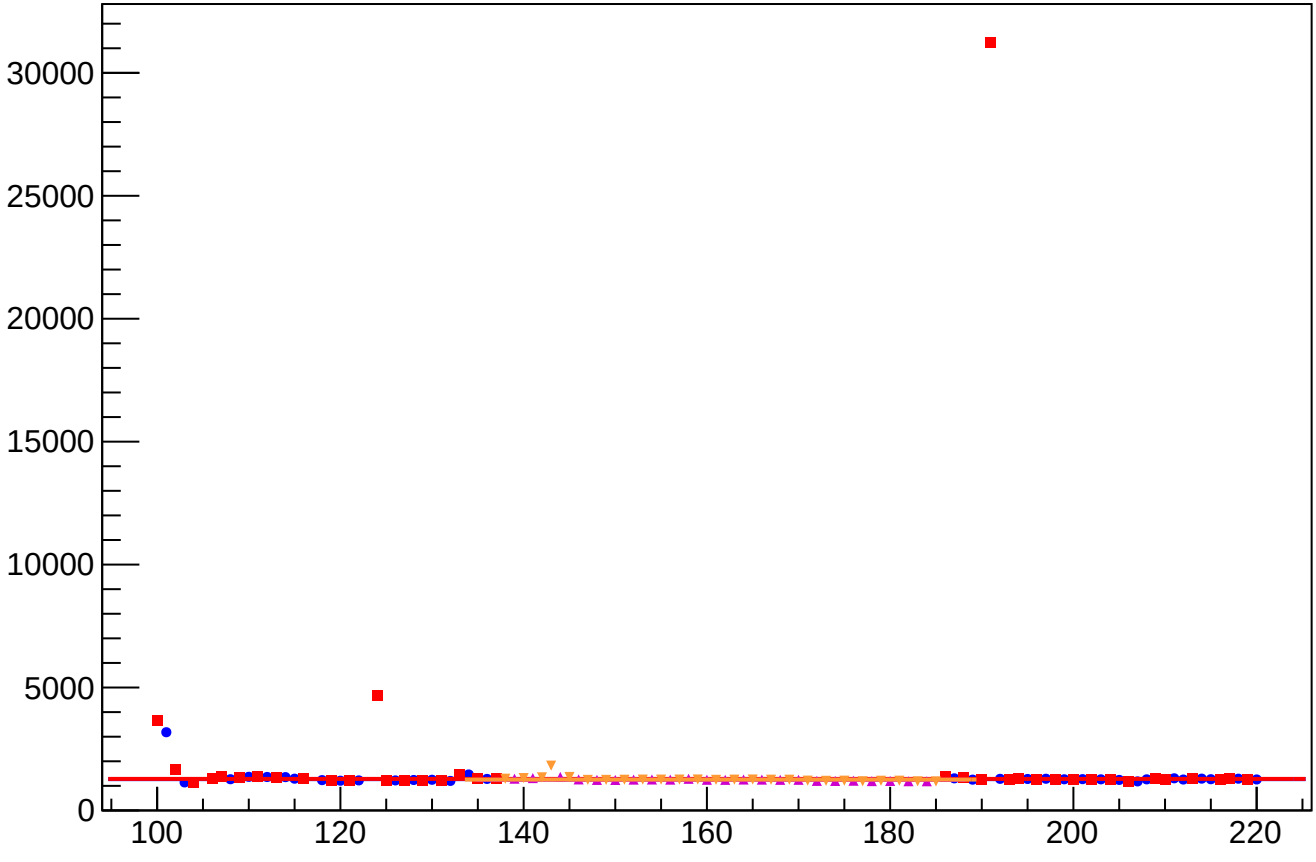
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -487.478+/-199.829 χ^2/NDF: 50.7/57

All: -204.542+/-142.087 χ^2/NDF: 117.7/117

- sign 84.786+/-202.073 χ^2/NDF: 62.9/59

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1273.606+/-0.198 χ^2/NDF: 534707.8/32

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

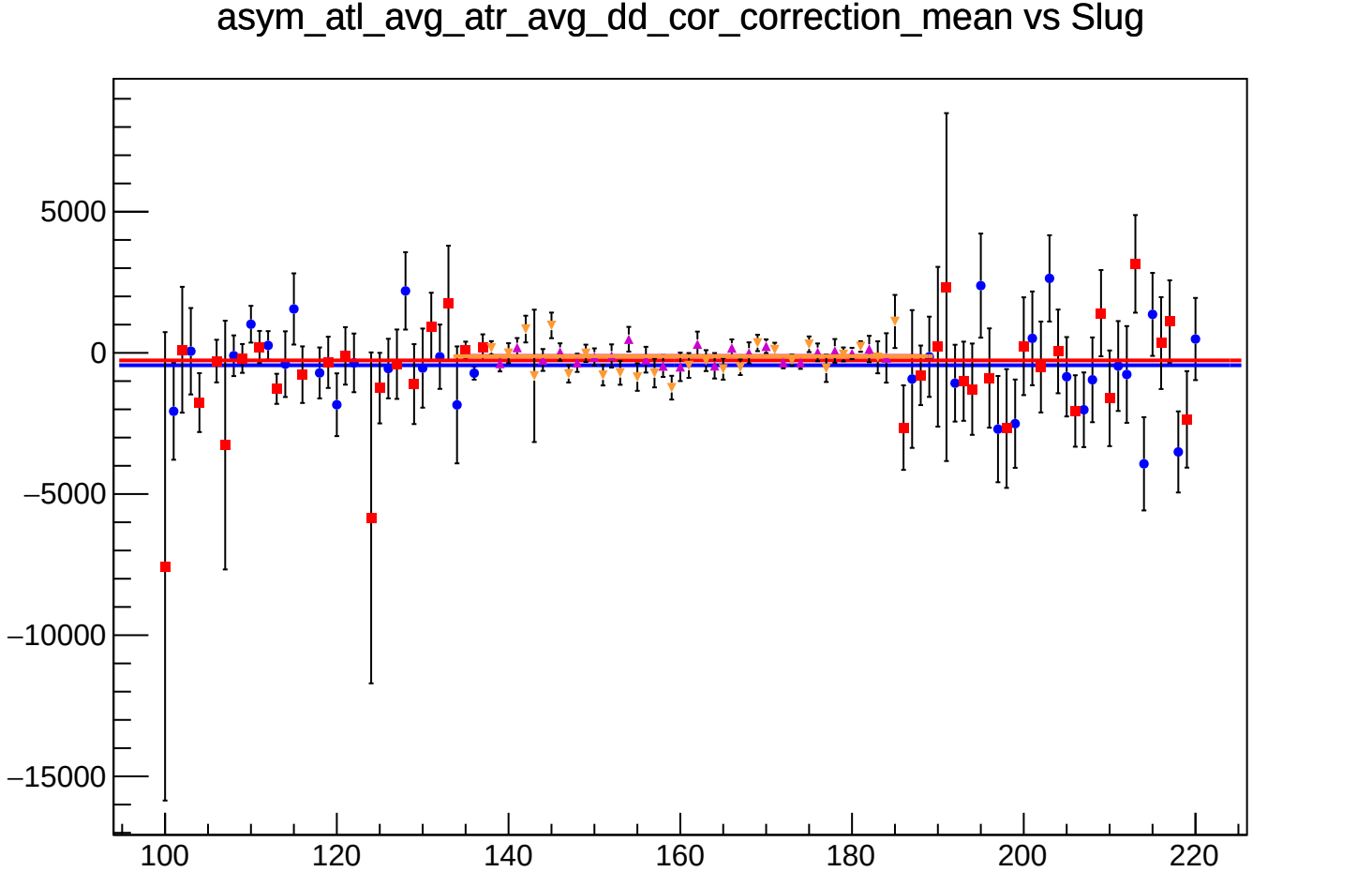
Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.770+/-0.141 χ^2/NDF: 741928.3/57

All: 1265.145+/-0.100 χ^2/NDF: 1307278.4/11

- sign 1265.528+/-0.143 χ^2/NDF: 565335.8/59



Right In: -439.450+/-153.650 χ^2/NDF: 40.9/32

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -266.937+/-154.502 χ^2/NDF: 29.7/36

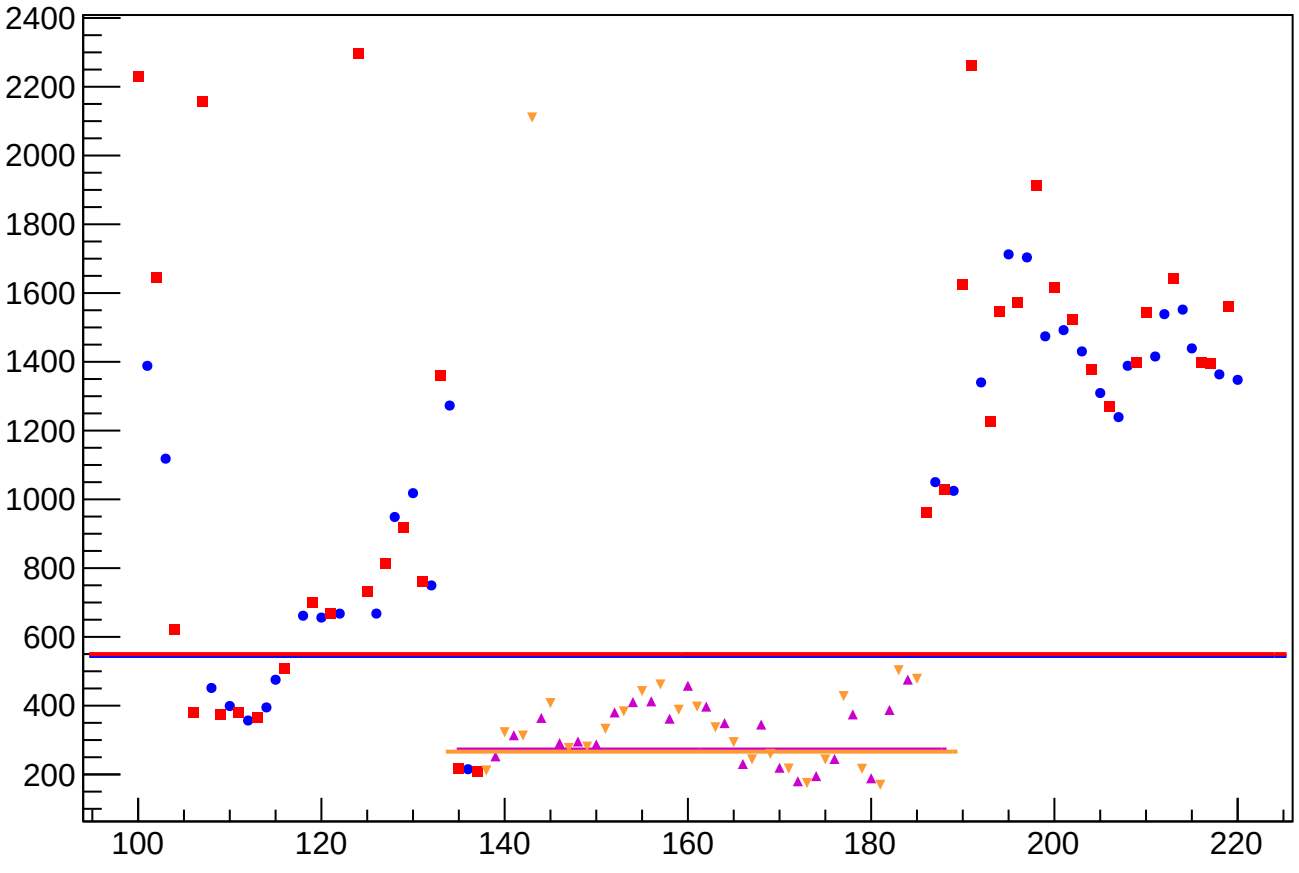
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -166.025+/-59.911 χ^2/NDF: 93.1/57

All: -149.793+/-42.904 χ^2/NDF: 137.6/117

- sign -132.704+/-61.471 χ^2/NDF: 44.3/59

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 544.566+/-0.109 χ^2/NDF: 16558808.2/32

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

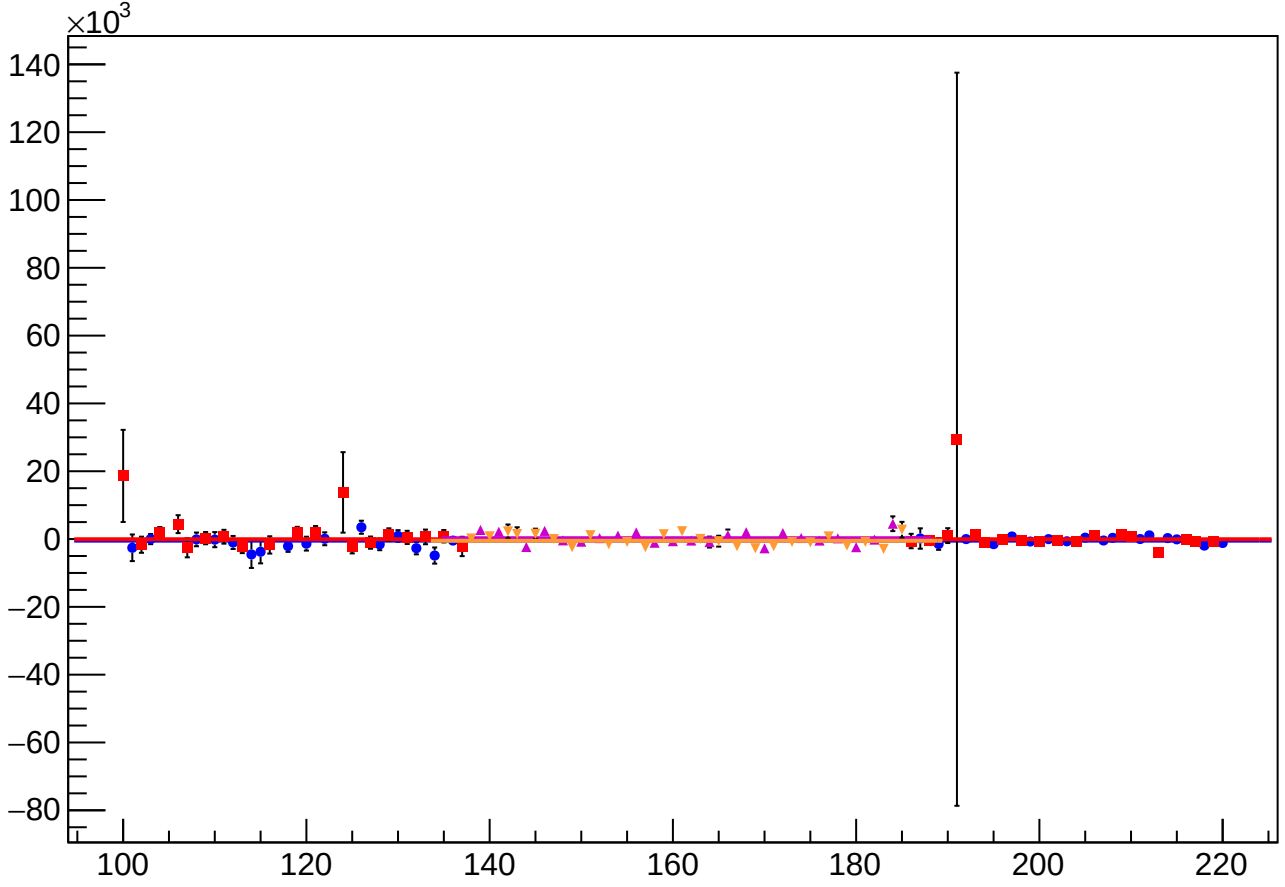
Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 308.629+/-0.042 χ^2/NDF: 26750325.4/57

All: 312.380+/-0.030 χ^2/NDF: 51639166.8/11

- sign 316.330+/-0.043 χ^2/NDF: 24872741.4/59



Right In: -461.752+/-279.371 χ^2/NDF: 19.8/32

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -61.914+/-280.672 χ^2/NDF: 30.3/36

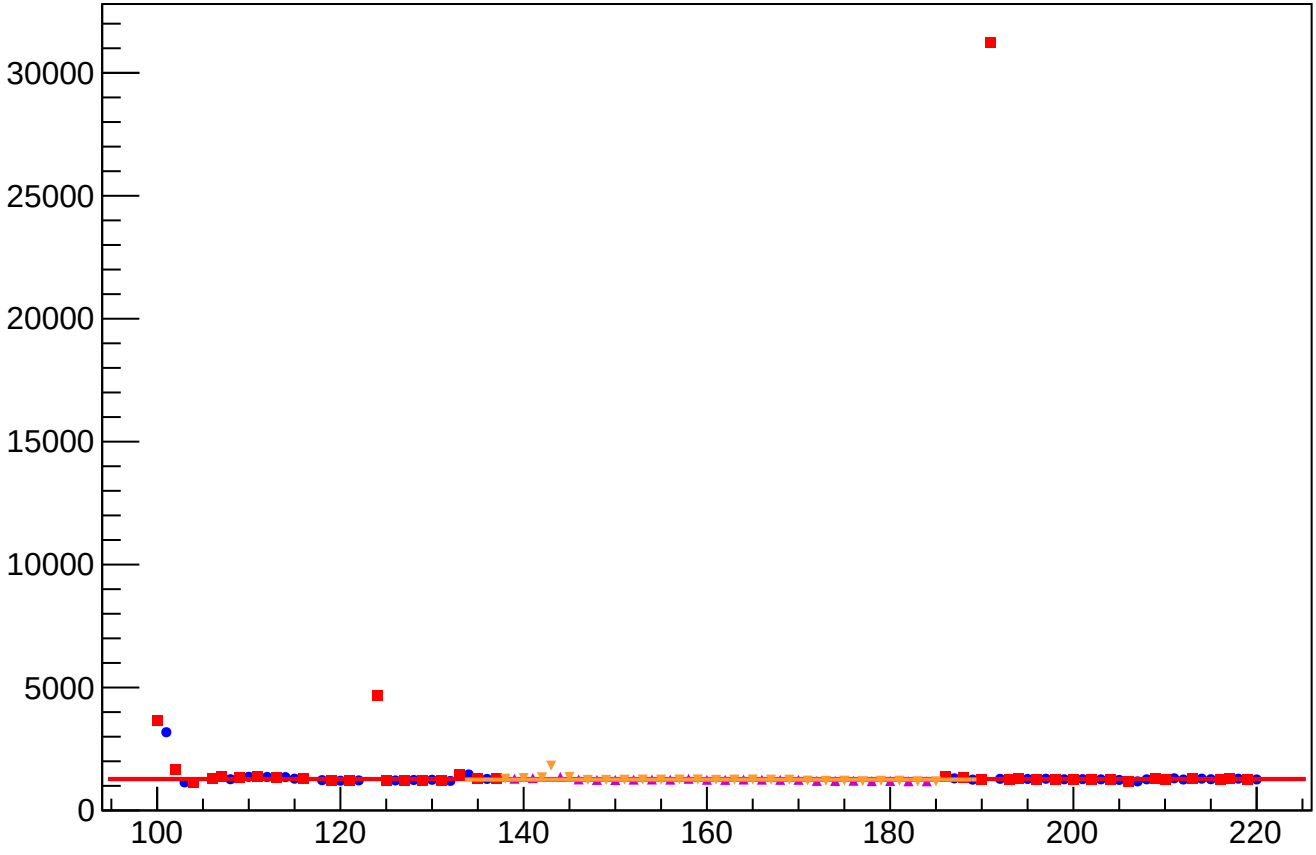
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -487.478+/-199.829 χ^2/NDF: 50.7/57

All: -204.542+/-142.087 χ^2/NDF: 117.7/117

- sign 84.786+/-202.073 χ^2/NDF: 62.9/59

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1273.606+/-0.198 χ^2/NDF: 534707.8/32

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

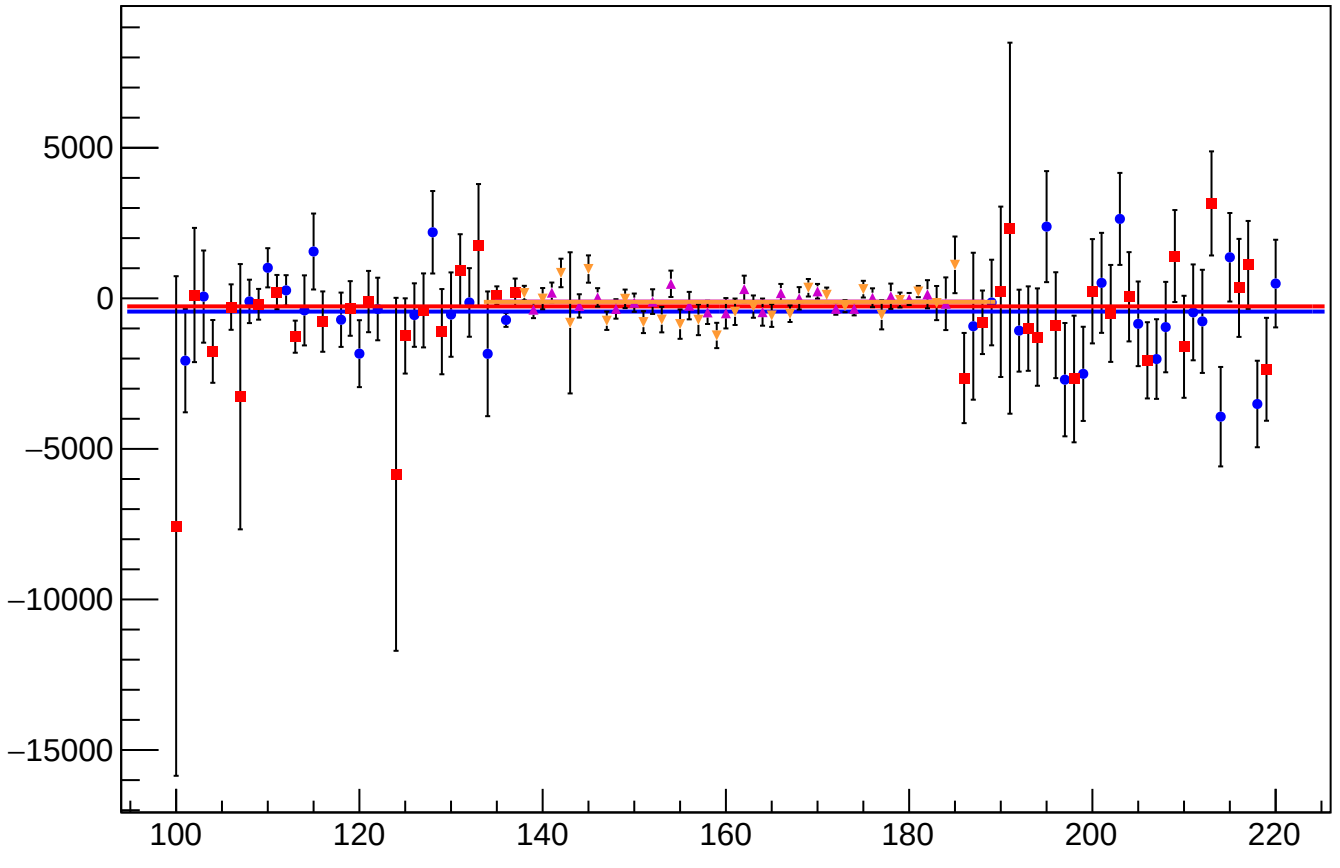
Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.770+/-0.141 χ^2/NDF: 741928.3/57

All: 1265.145+/-0.100 χ^2/NDF: 1307278.4/11

- sign 1265.528+/-0.143 χ^2/NDF: 565335.8/59



Right In: -439.450+/-153.650 χ^2/NDF: 40.9/32

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

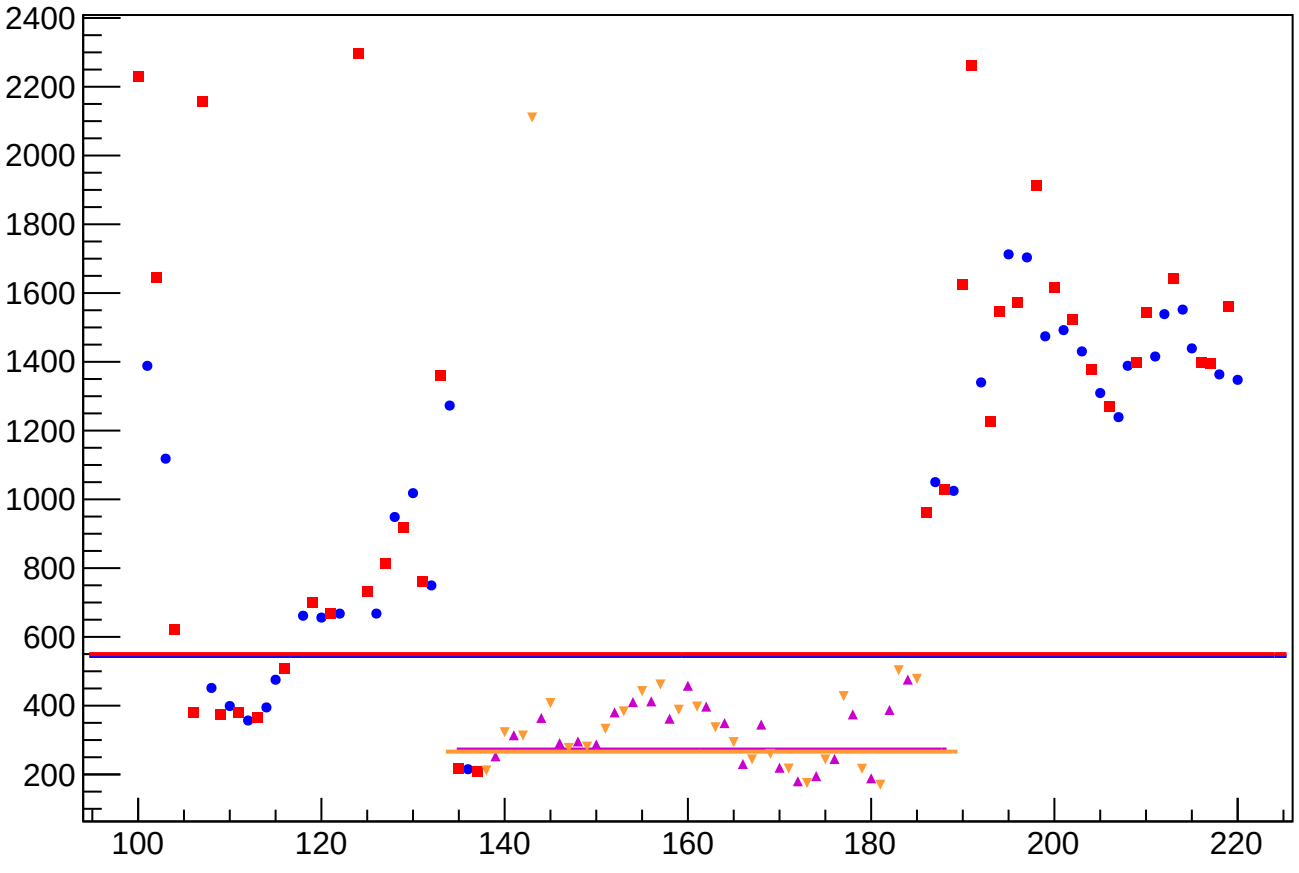
Right Out: -266.937+/-154.502 χ^2/NDF: 29.7/36

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -166.025+/-59.911 χ^2/NDF: 93.1/57

All: -149.793+/-42.904 χ^2/NDF: 137.6/117

- sign -132.704+/-61.471 χ^2/NDF: 44.3/59



Right In: 544.566+/-0.109 χ^2/NDF: 16558808.2/32

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

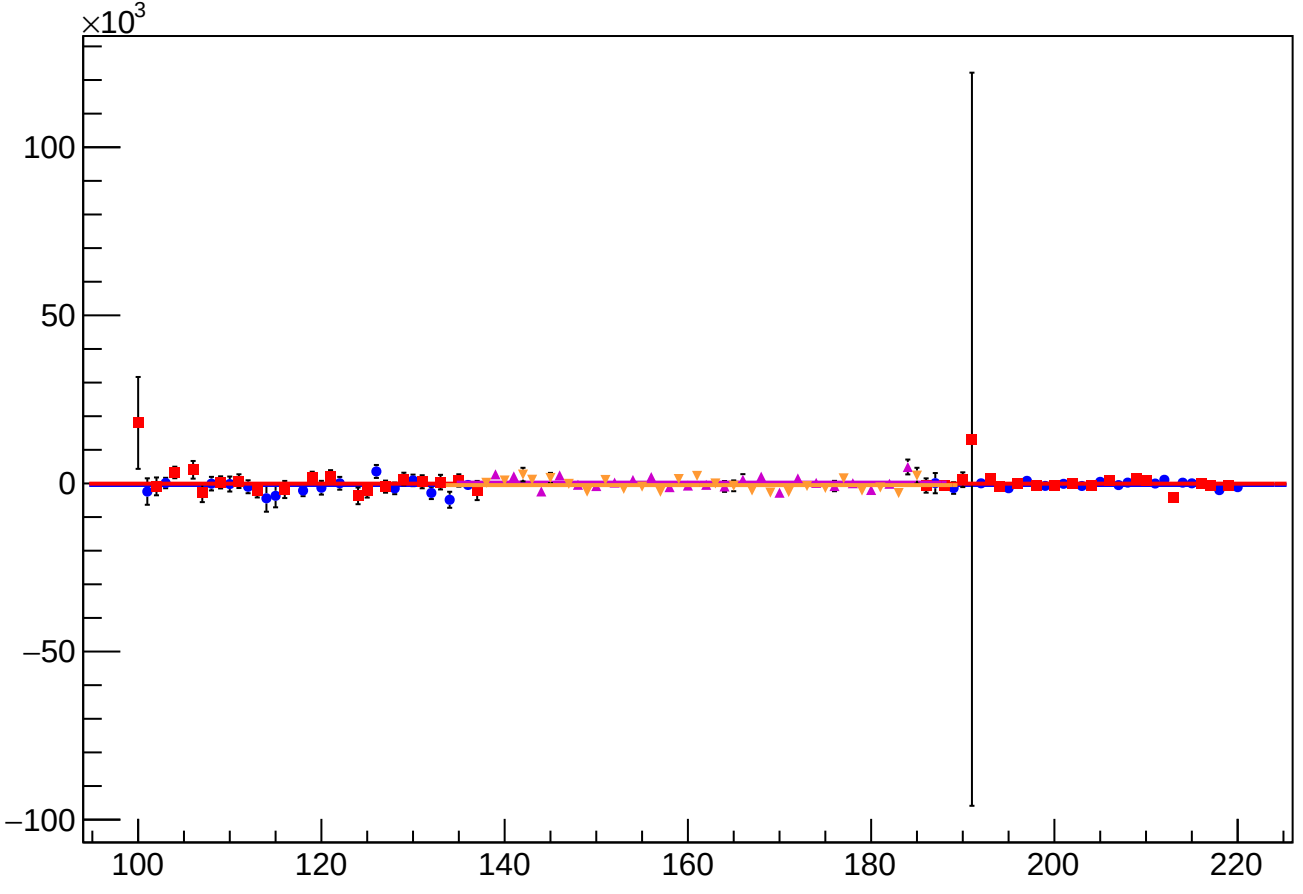
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 308.629+/-0.042 χ^2/NDF: 26750325.4/57

All: 312.380+/-0.030 χ^2/NDF: 51639166.8/11

- sign 316.330+/-0.043 χ^2/NDF: 24872741.4/59

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -454.084+/-280.069 χ^2/NDF: 19.8/32

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -62.295+/-280.261 χ^2/NDF: 32.2/36

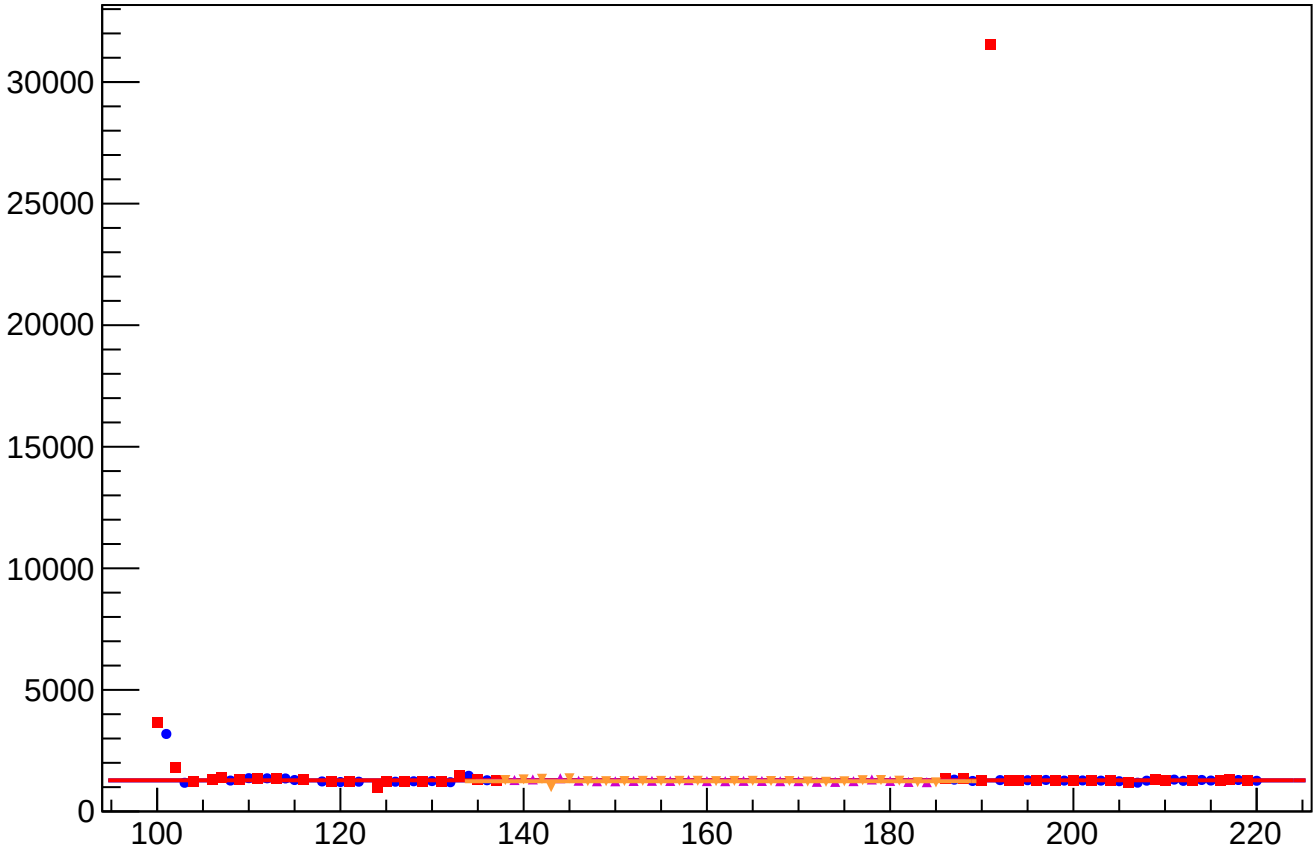
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -473.574+/-198.974 χ^2/NDF: 54.0/57

All: -201.111+/-142.087 χ^2/NDF: 121.3/117

- sign 82.403+/-202.969 χ^2/NDF: 63.4/59

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1276.857+/-0.198 χ^2/NDF: 527304.2/32

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

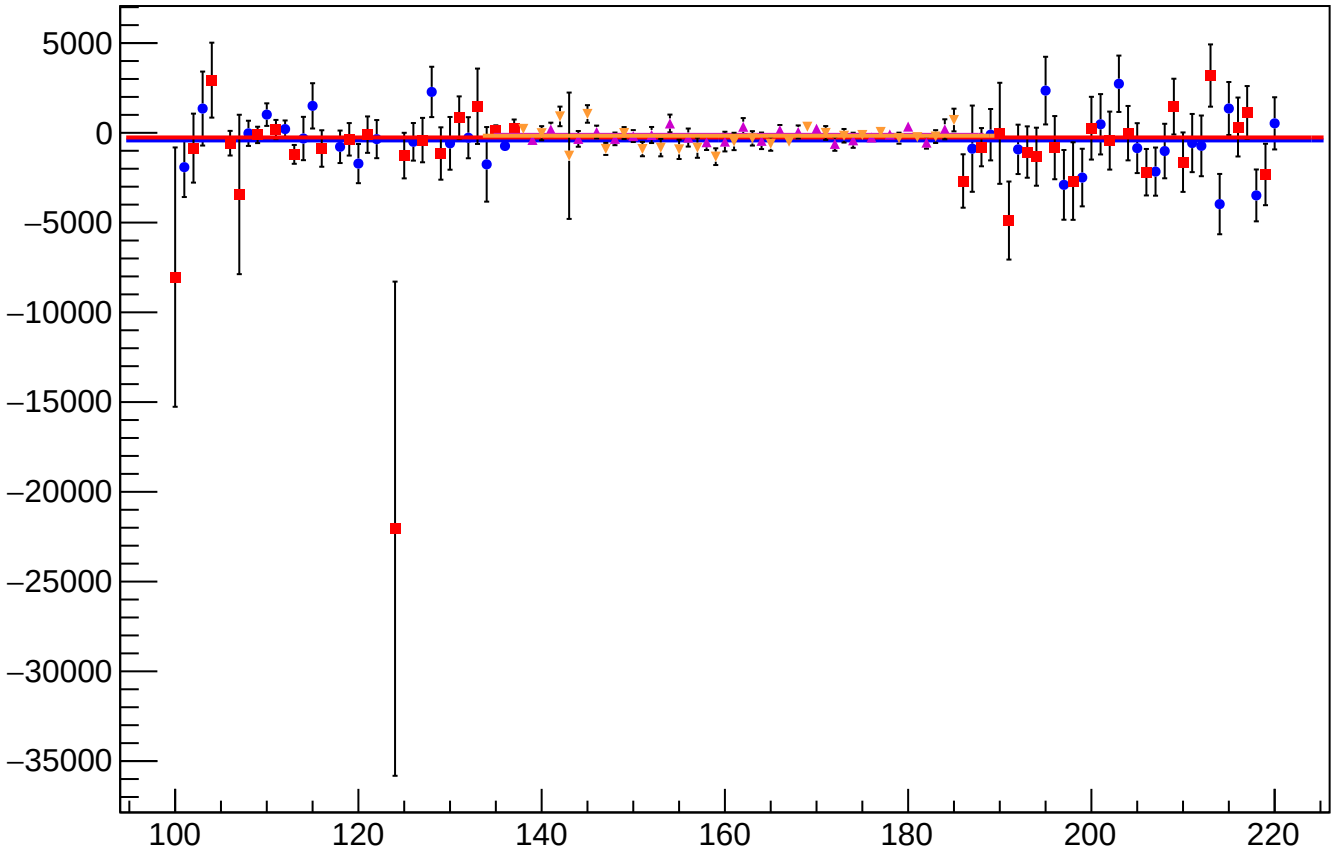
Right Out: 1281.524+/-0.198 χ^2/NDF: 389060.8/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1259.861+/-0.141 χ^2/NDF: 672199.9/57

All: 1265.483+/-0.100 χ^2/NDF: 1098011.9/11

- sign 1271.334+/-0.144 χ^2/NDF: 422553.5/59



Right In: -422.744+/-155.227 χ^2/NDF: 41.4/32

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

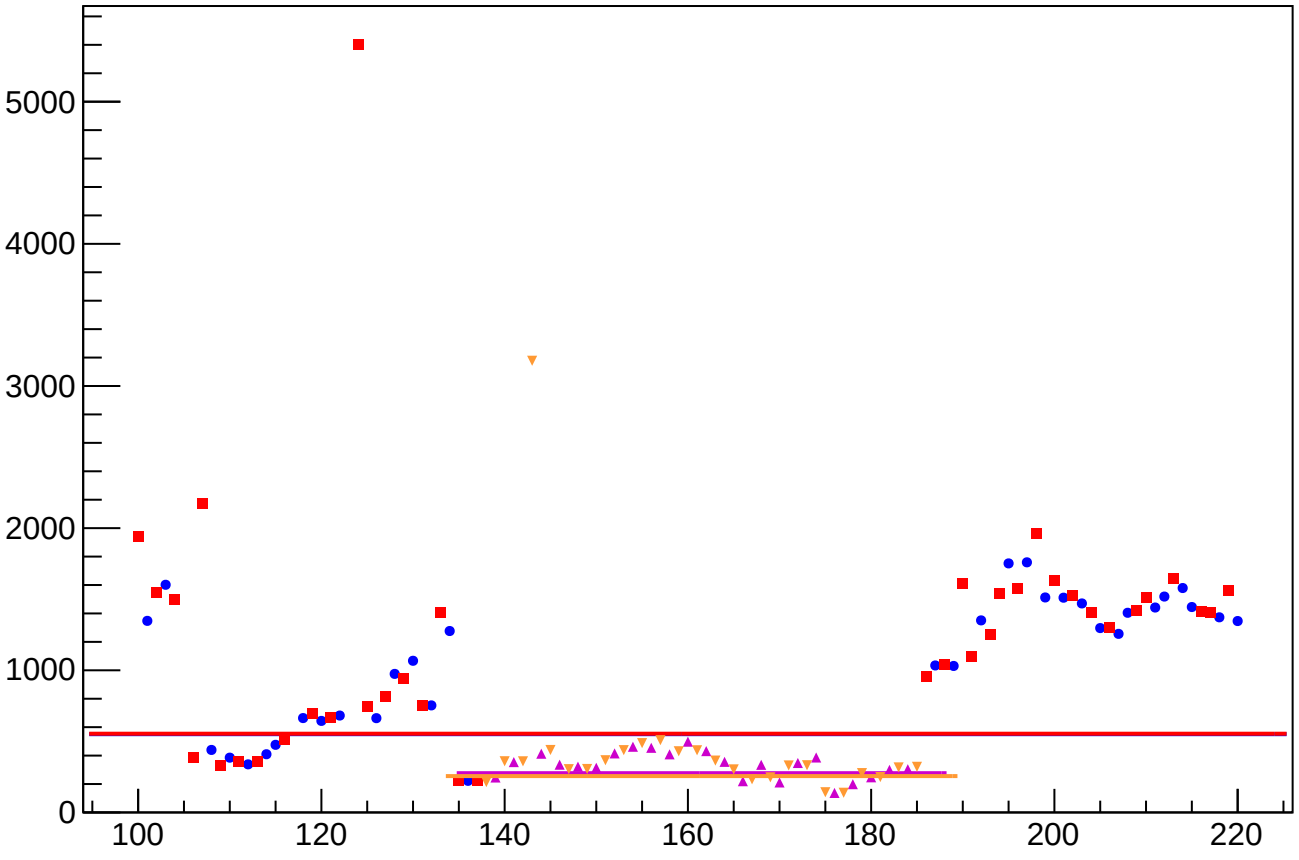
Right Out: -257.785+/-154.587 χ^2/NDF: 36.5/36

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

\+ sign -199.104+/-59.273 χ^2/NDF: 87.6/57

All: -170.153+/-43.133 χ^2/NDF: 143.5/117

\- sign -137.563+/-62.887 χ^2/NDF: 55.4/59



Right In: 550.609+/-0.110 χ^2/NDF: 16684198.7/32

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

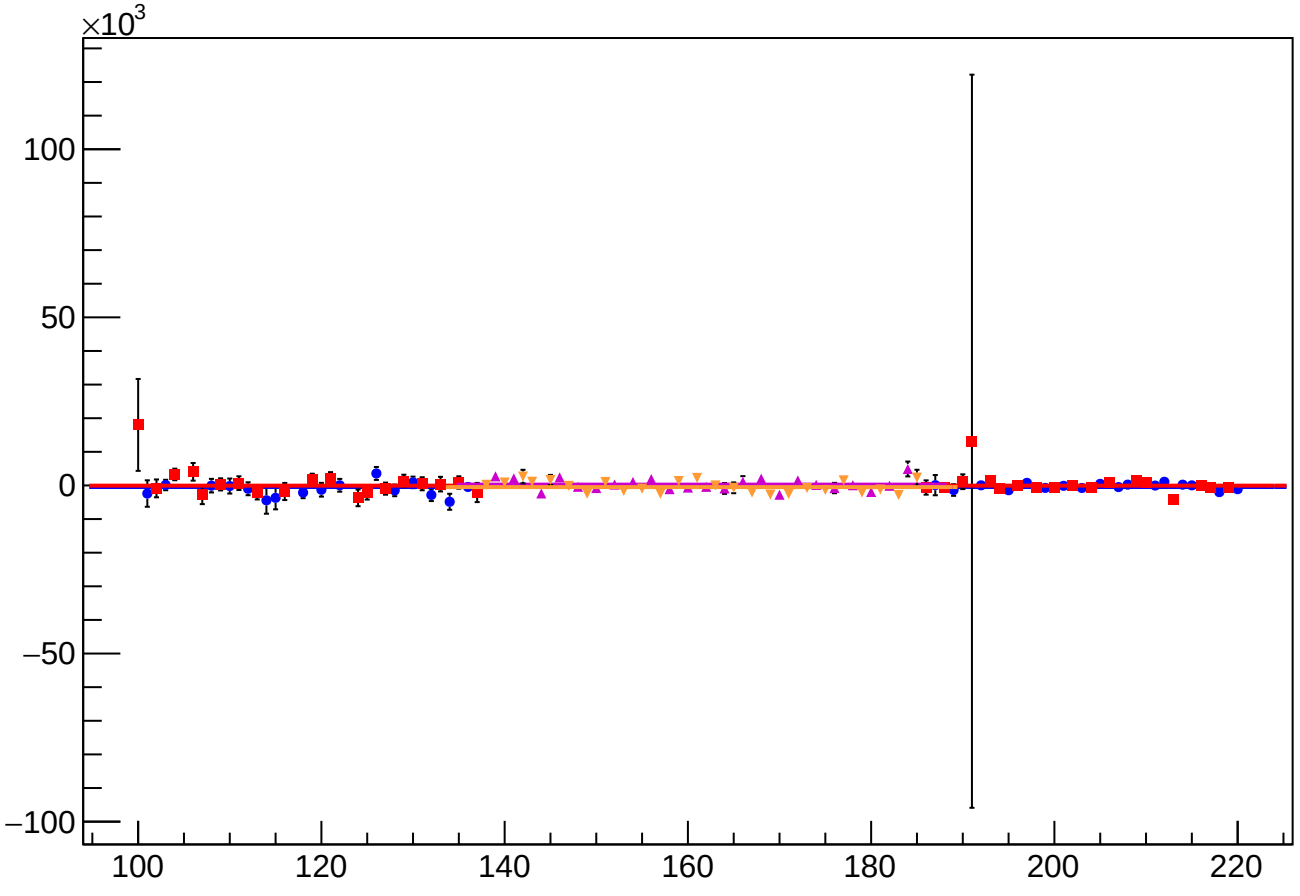
Right Out: 553.956+/-0.109 χ^2/NDF: 17057086.1/36

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 298.758+/-0.042 χ^2/NDF: 29221642.0/57

All: 309.809+/-0.030 χ^2/NDF: 55838310.2/11

- sign 322.248+/-0.044 χ^2/NDF: 26468896.1/59



Right In: -454.082+/-280.069 χ^2/NDF: 19.8/32

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -62.294+/-280.261 χ^2/NDF: 32.2/36

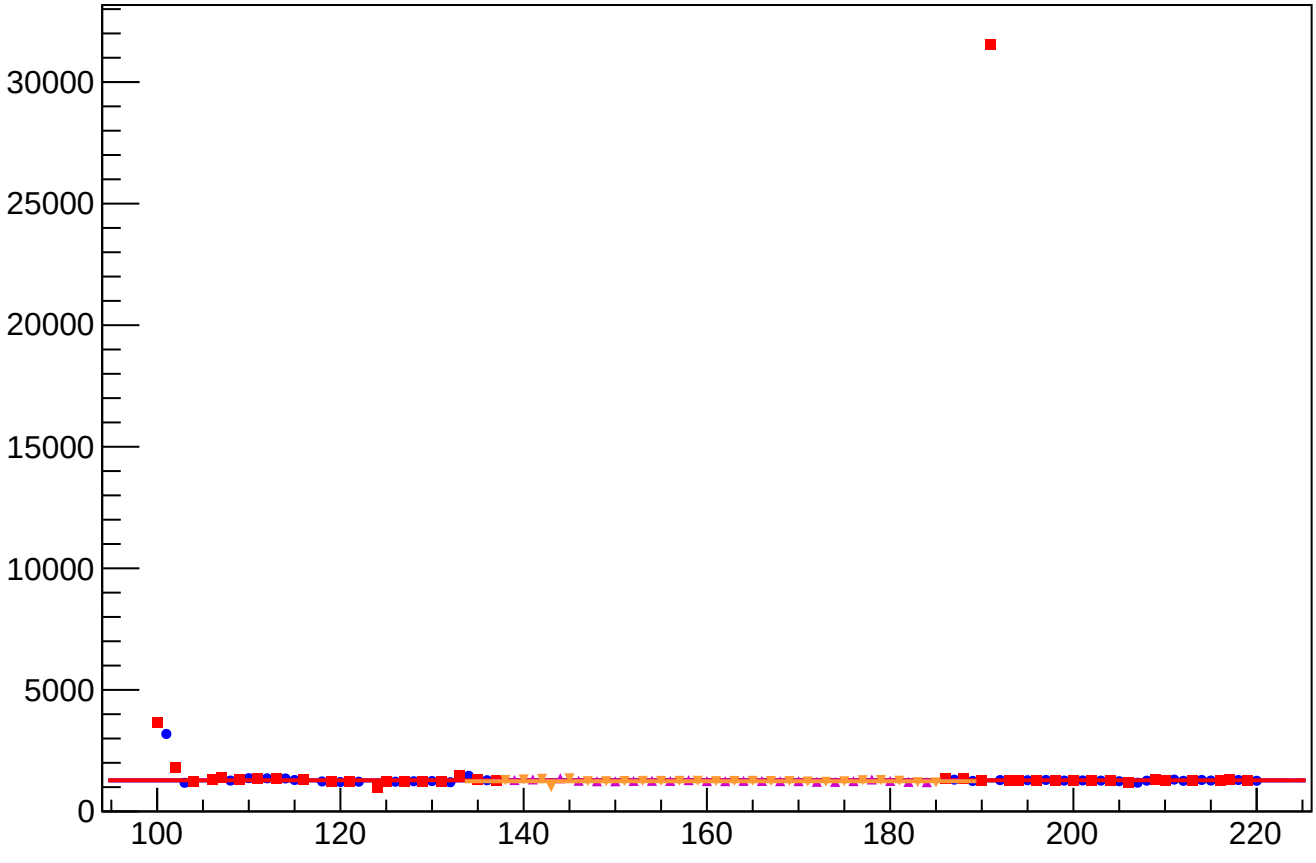
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -473.572+/-198.974 χ^2/NDF: 54.0/57

All: -201.110+/-142.087 χ^2/NDF: 121.3/117

- sign 82.404+/-202.969 χ^2/NDF: 63.4/59

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1276.857+/-0.198 χ^2/NDF: 527304.2/32

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

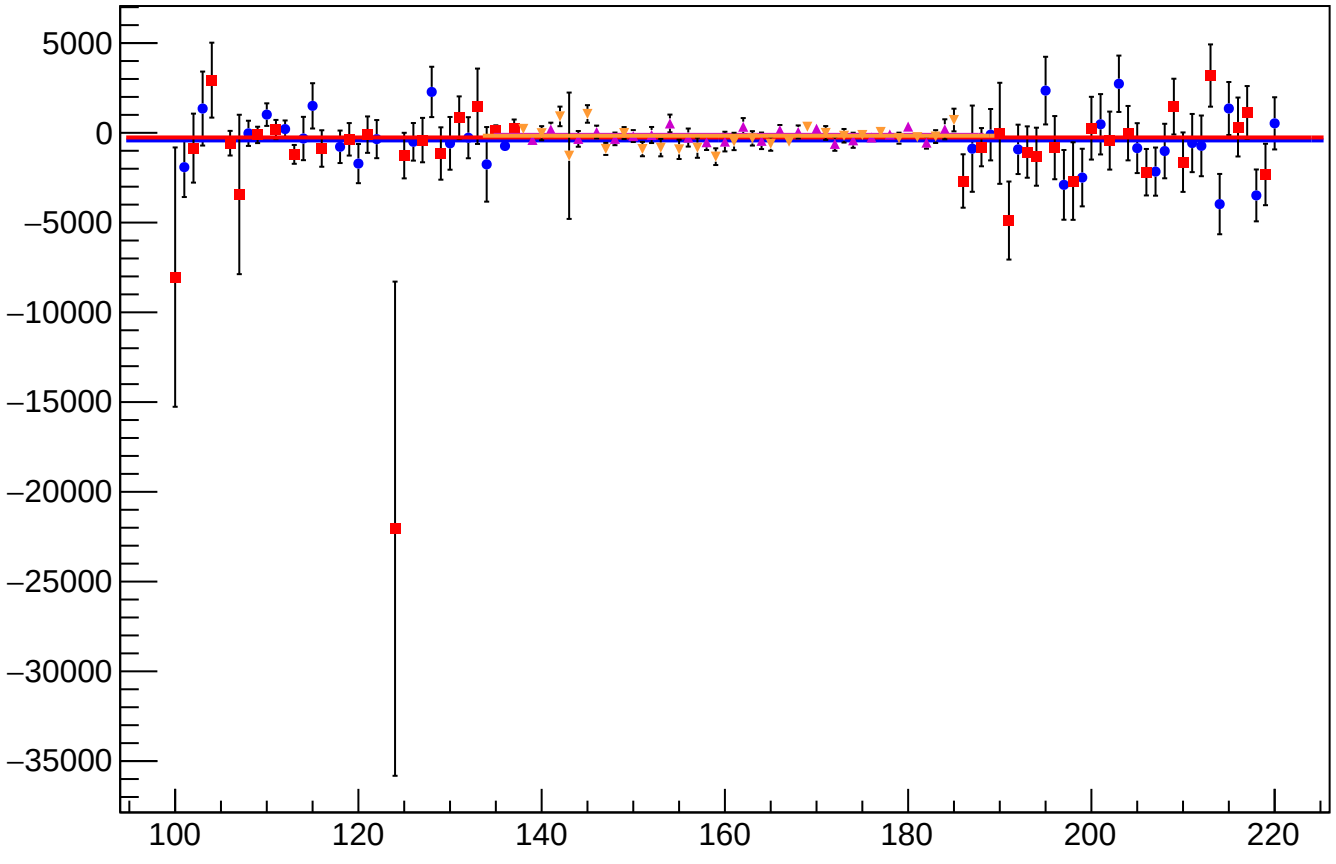
Right Out: 1281.524+/-0.198 χ^2/NDF: 389061.1/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1259.861+/-0.141 χ^2/NDF: 672199.0/57

All: 1265.483+/-0.100 χ^2/NDF: 1098011.4/11

- sign 1271.334+/-0.144 χ^2/NDF: 422553.9/59



Right In: -422.747+/-155.229 χ^2/NDF: 41.4/32

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

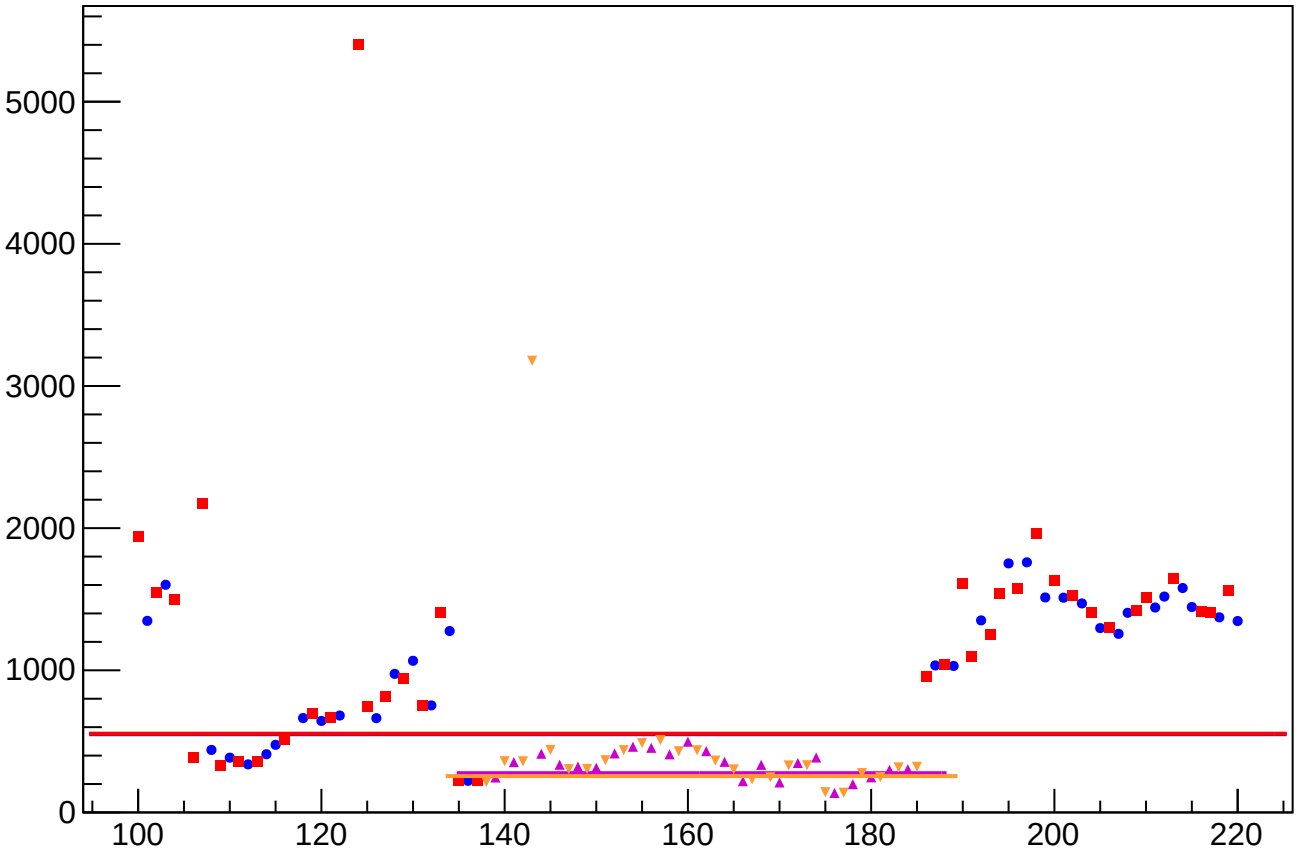
Right Out: -257.793+/-154.588 χ^2/NDF: 36.5/36

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -199.107+/-59.273 χ^2/NDF: 87.6/57

All: -170.154+/-43.134 χ^2/NDF: 143.5/117

- sign -137.562+/-62.887 χ^2/NDF: 55.4/59



Right In: 550.622+/-0.110 χ^2/NDF: 16683701.9/32

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

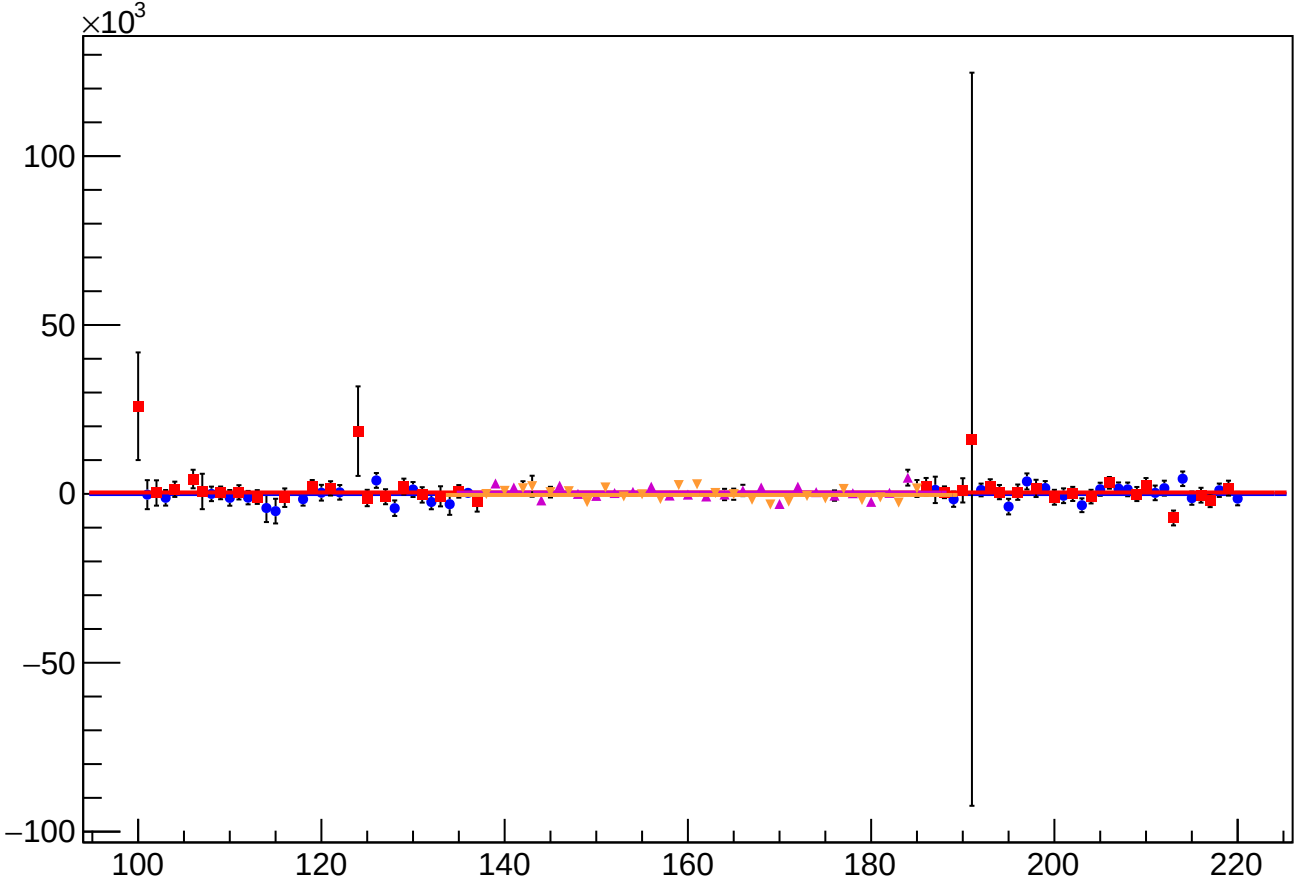
Right Out: 553.967+/-0.109 χ^2/NDF: 17056723.2/36

Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 298.761+/-0.042 χ^2/NDF: 29221389.1/57

All: 309.811+/-0.031 χ^2/NDF: 55837917.4/11

- sign 322.250+/-0.044 χ^2/NDF: 26468769.3/59



Right In: -54.423+/-379.768 χ^2/NDF: 31.0/32

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 416.568+/-383.461 χ^2/NDF: 31.1/36

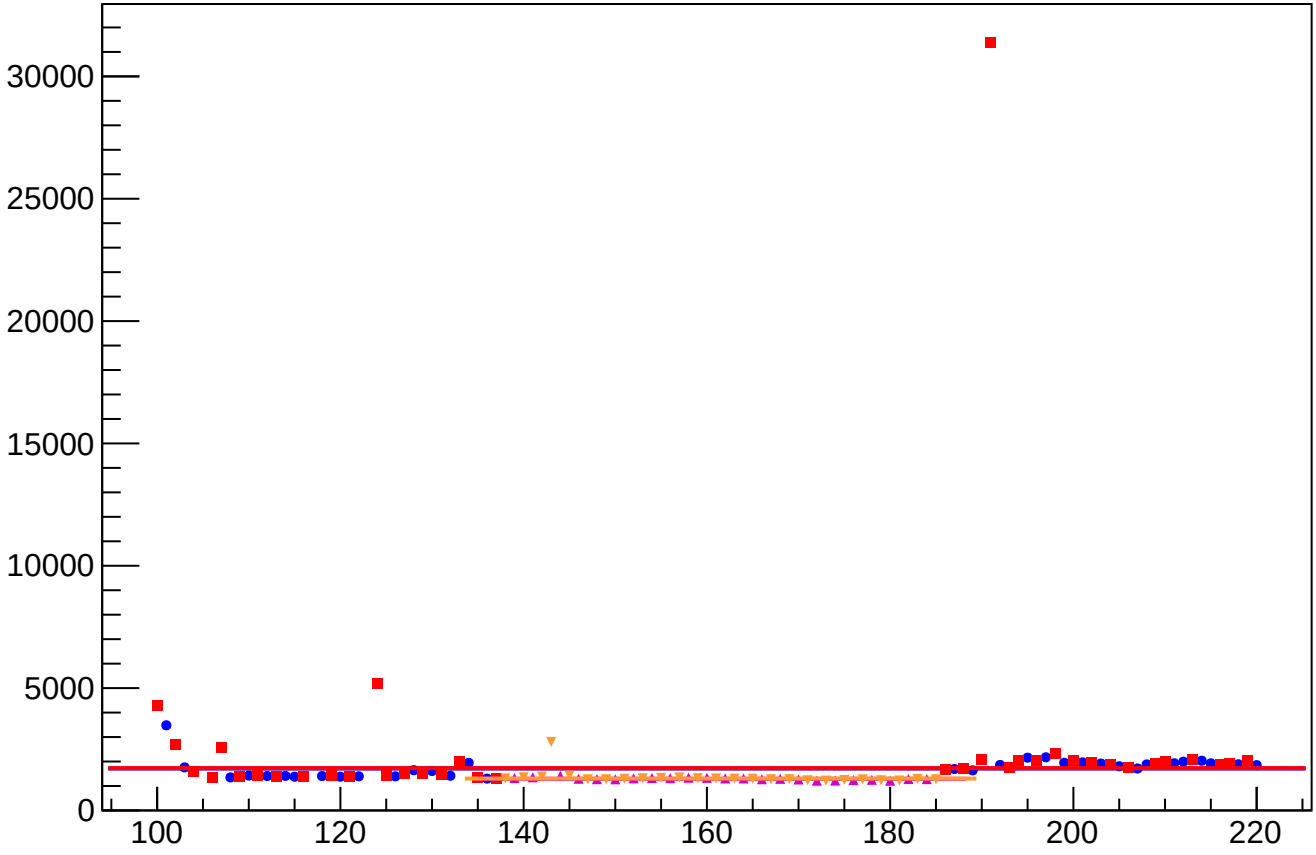
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -218.520+/-234.571 χ^2/NDF: 62.9/57

All: 77.107+/-166.791 χ^2/NDF: 126.8/117

- sign 379.416+/-237.208 χ^2/NDF: 60.7/59

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1713.437+/-0.269 χ^2/NDF: 1306646.6/32

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

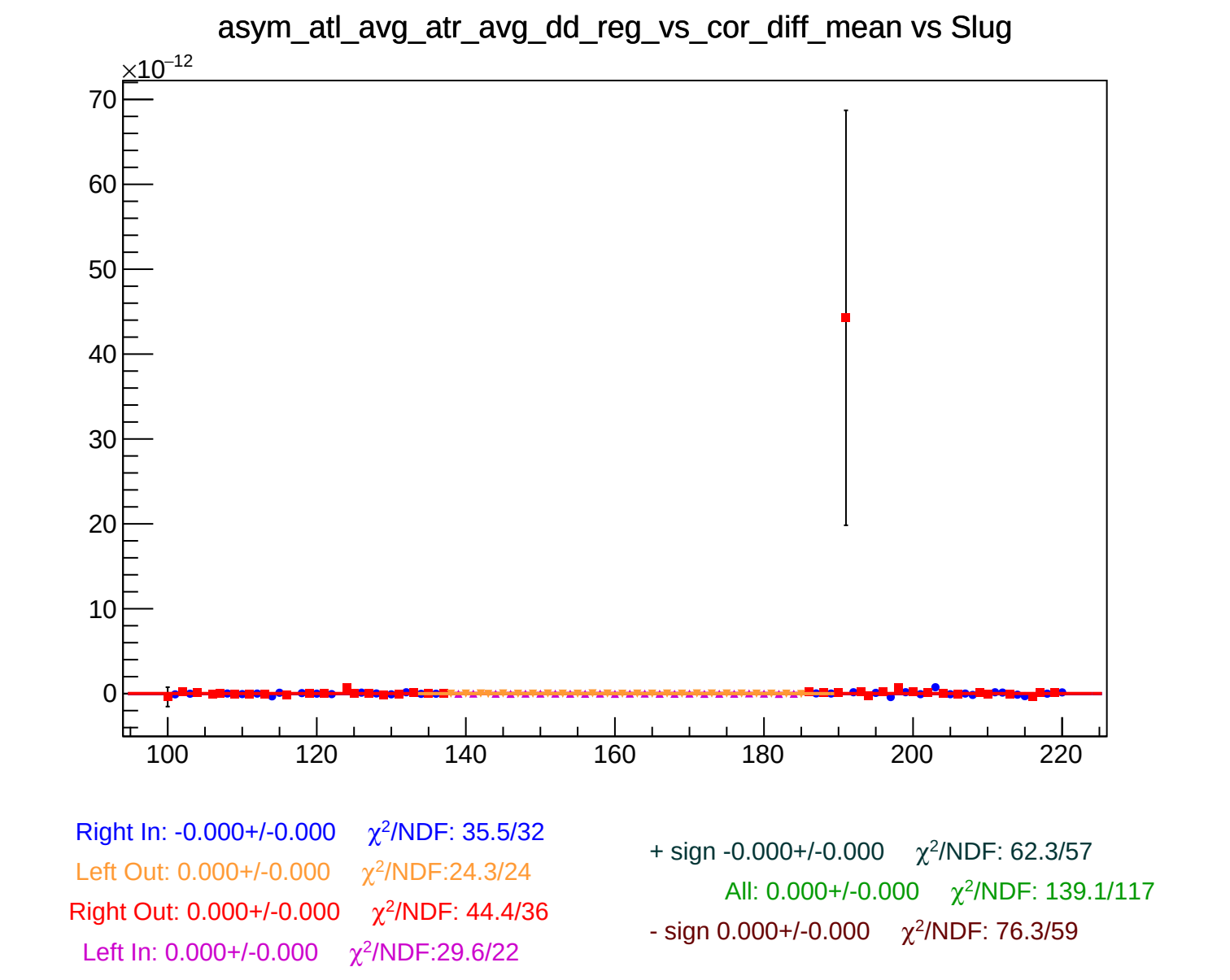
Right Out: 1729.554+/-0.271 χ^2/NDF: 1574246.7/36

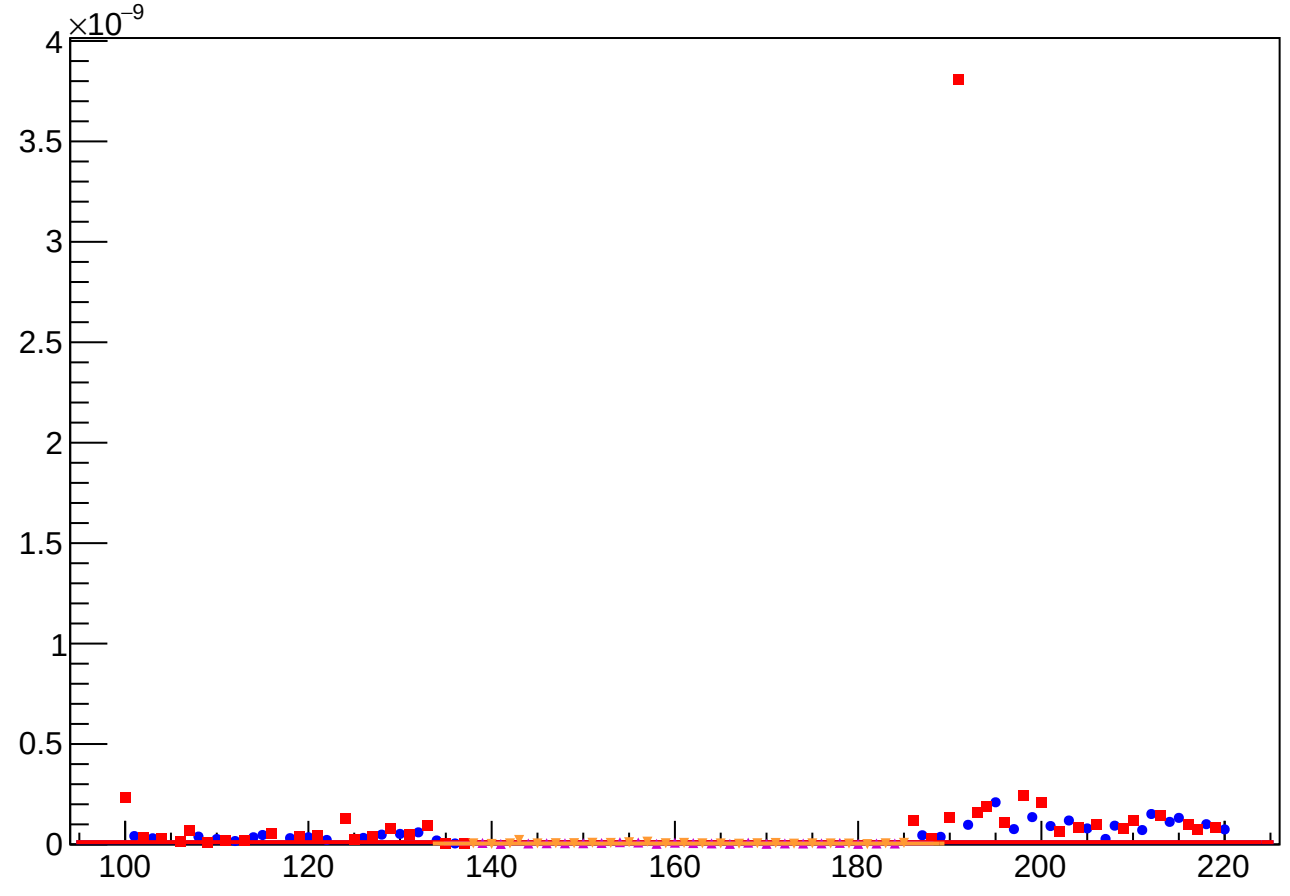
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1460.303+/-0.166 χ^2/NDF: 3262948.5/57

All: 1459.912+/-0.118 χ^2/NDF: 6492232.5/11

- sign 1459.511+/-0.168 χ^2/NDF: 3229272.8/59


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
220
Right In: -0.000+/-0.000 χ²/NDF: 35.5/32
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 44.4/36
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 62.3/57
All: 0.000+/-0.000 χ²/NDF: 139.1/117
- sign 0.000+/-0.000 χ²/NDF: 76.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 11219317.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

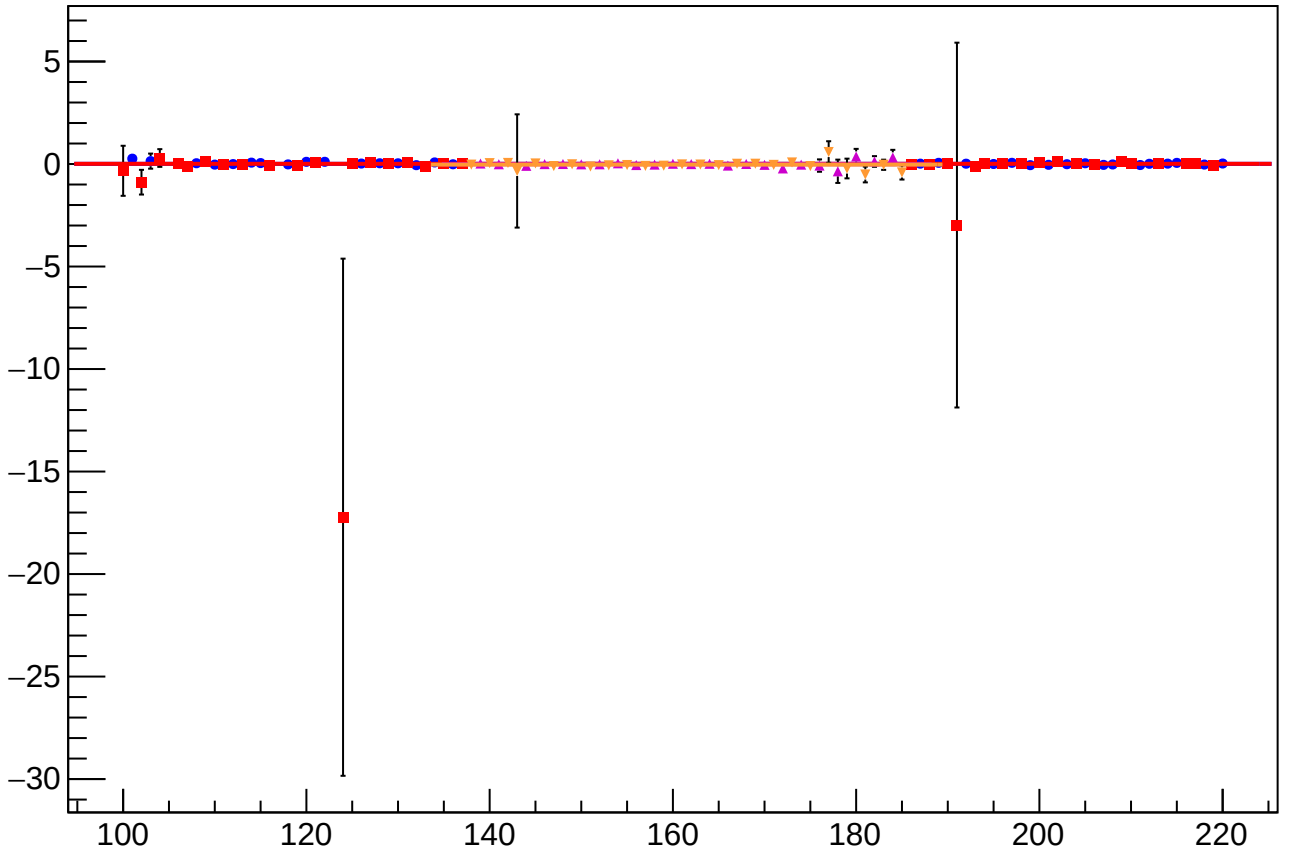
Right Out: 0.000+/-0.000 χ^2/NDF: 12572890.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15413436.2/57

All: 0.000+/-0.000 χ^2/NDF: 31278183.8/117

- sign 0.000+/-0.000 χ^2/NDF: 15840693.9/59



Right In: 0.008+/-0.010 χ^2/NDF: 19.3/32

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.010+/-0.010 χ^2/NDF: 30.9/36

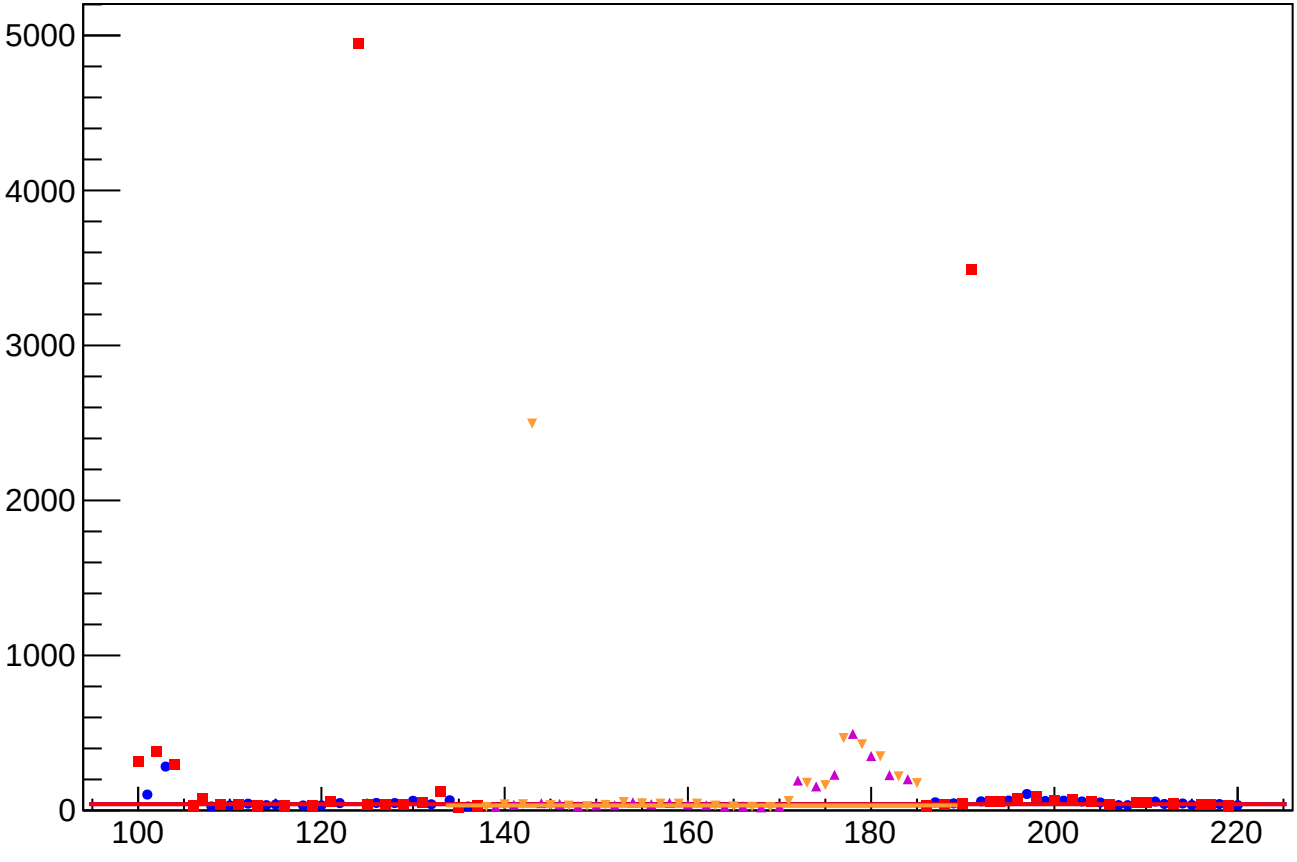
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.011+/-0.007 χ^2/NDF: 54.3/57

All: -0.006+/-0.005 χ^2/NDF: 101.6/117

\- sign -0.001+/-0.007 χ^2/NDF: 46.3/59

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.762+/-0.007 χ^2/NDF: 4375779.9/32

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

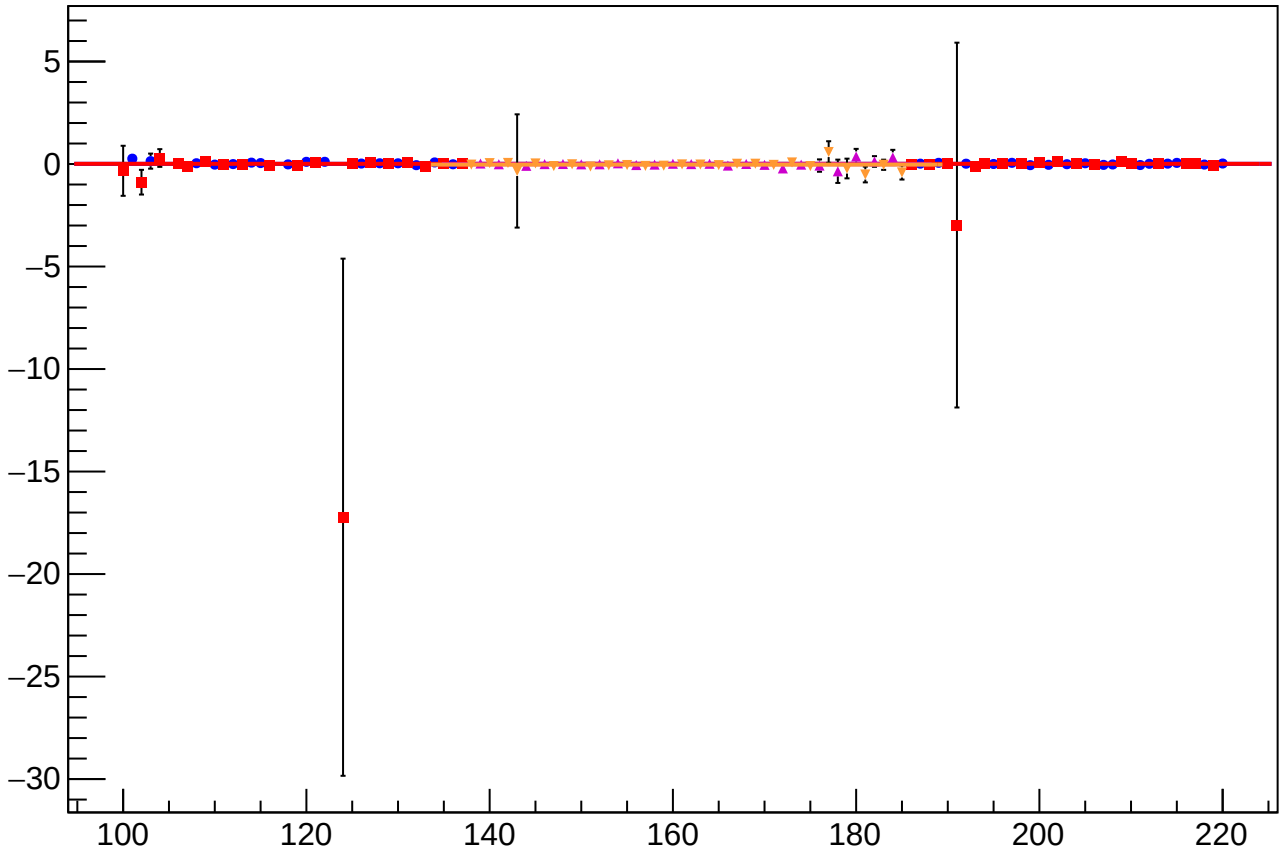
Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.444+/-0.005 χ^2/NDF: 15953445.2/57

All: 36.401+/-0.003 χ^2/NDF: 31174257.0/117

- sign 36.359+/-0.005 χ^2/NDF: 15220659.4/59



Right In: 0.008+/-0.010 χ^2/NDF: 19.3/32

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

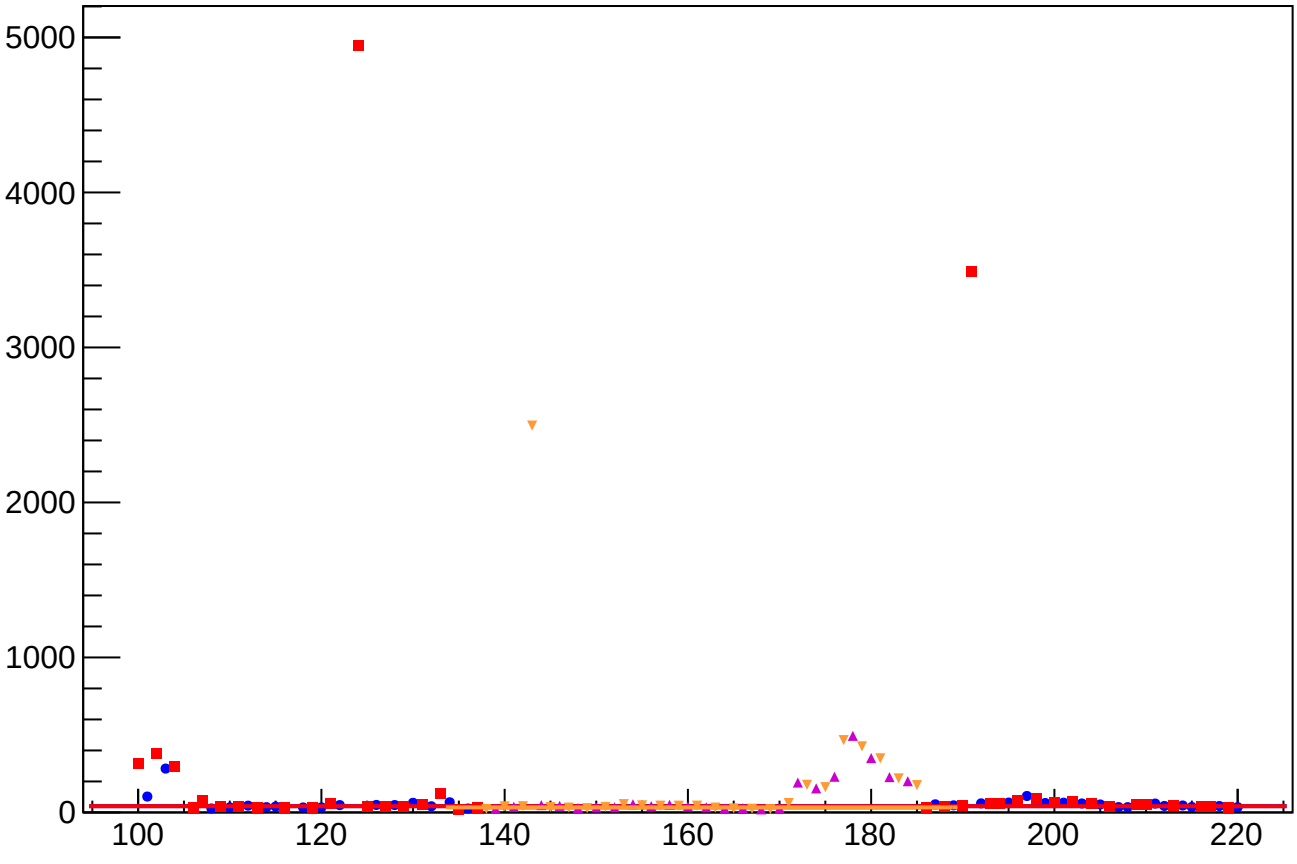
Right Out: 0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.011+/-0.007 χ^2/NDF: 54.3/57

All: -0.006+/-0.005 χ^2/NDF: 101.6/117

\- sign -0.001+/-0.007 χ^2/NDF: 46.3/59



Right In: 40.762+/-0.007 χ^2/NDF: 4375779.9/32

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

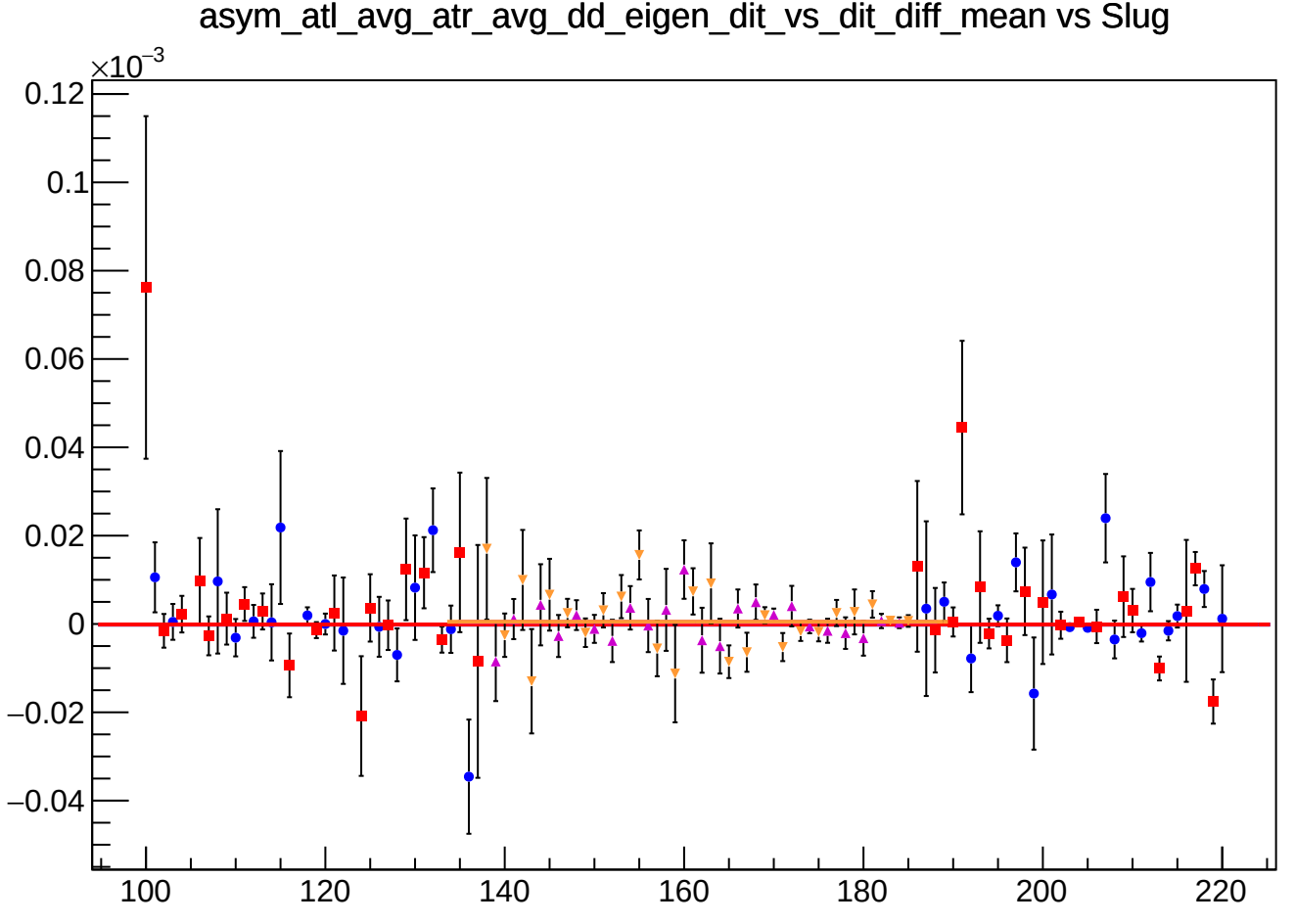
Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.444+/-0.005 χ^2/NDF: 15953445.2/57

All: 36.401+/-0.003 χ^2/NDF: 31174257.0/117

- sign 36.359+/-0.005 χ^2/NDF: 15220659.4/59



Right In: -0.000+/-0.000 χ^2/NDF: 44.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

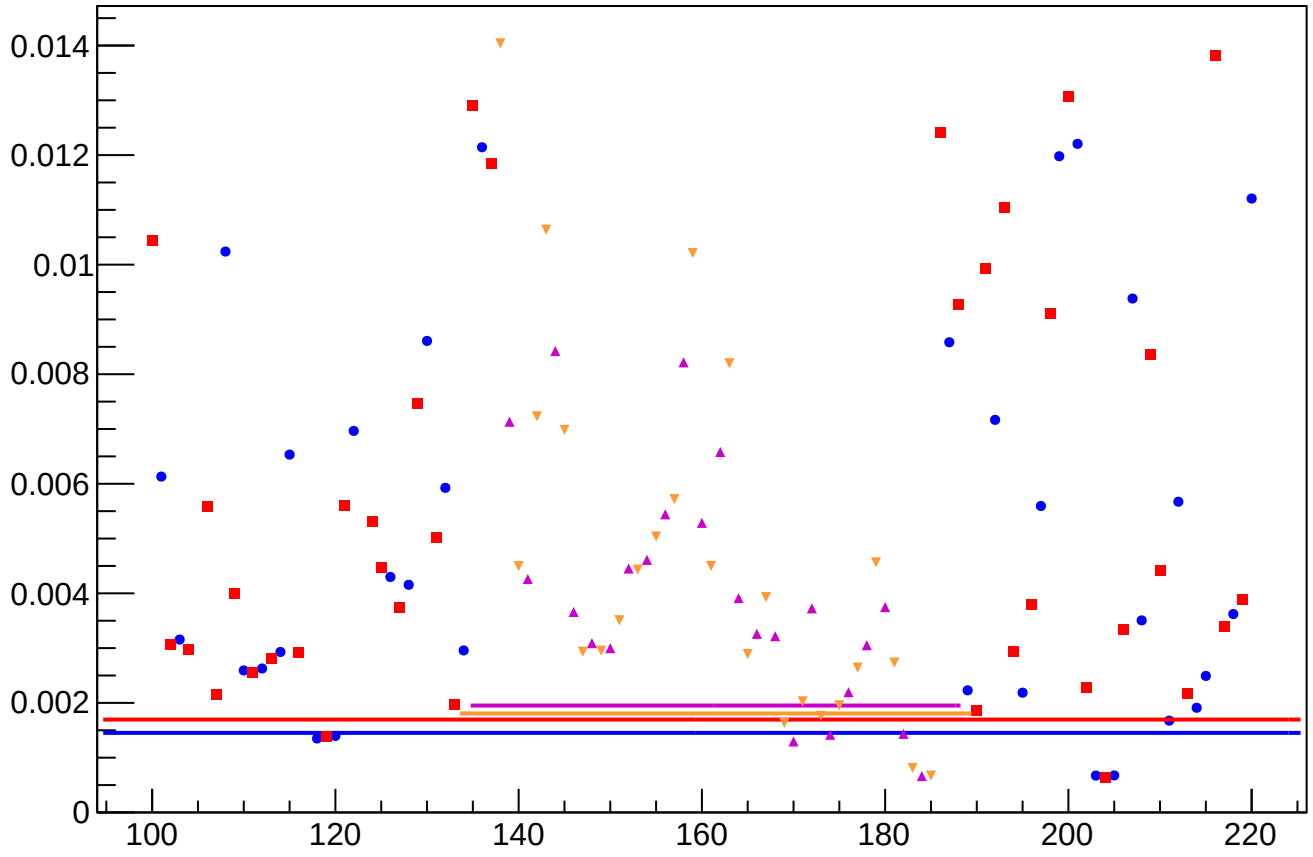
Right Out: -0.000+/-0.000 χ^2/NDF: 64.3/36

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 81.4/57

All: 0.000+/-0.000 χ^2/NDF: 159.9/117

- sign 0.000+/-0.000 χ^2/NDF: 78.5/59



Right In: 0.001+/-0.000 χ^2/NDF: 19184752.5/32

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

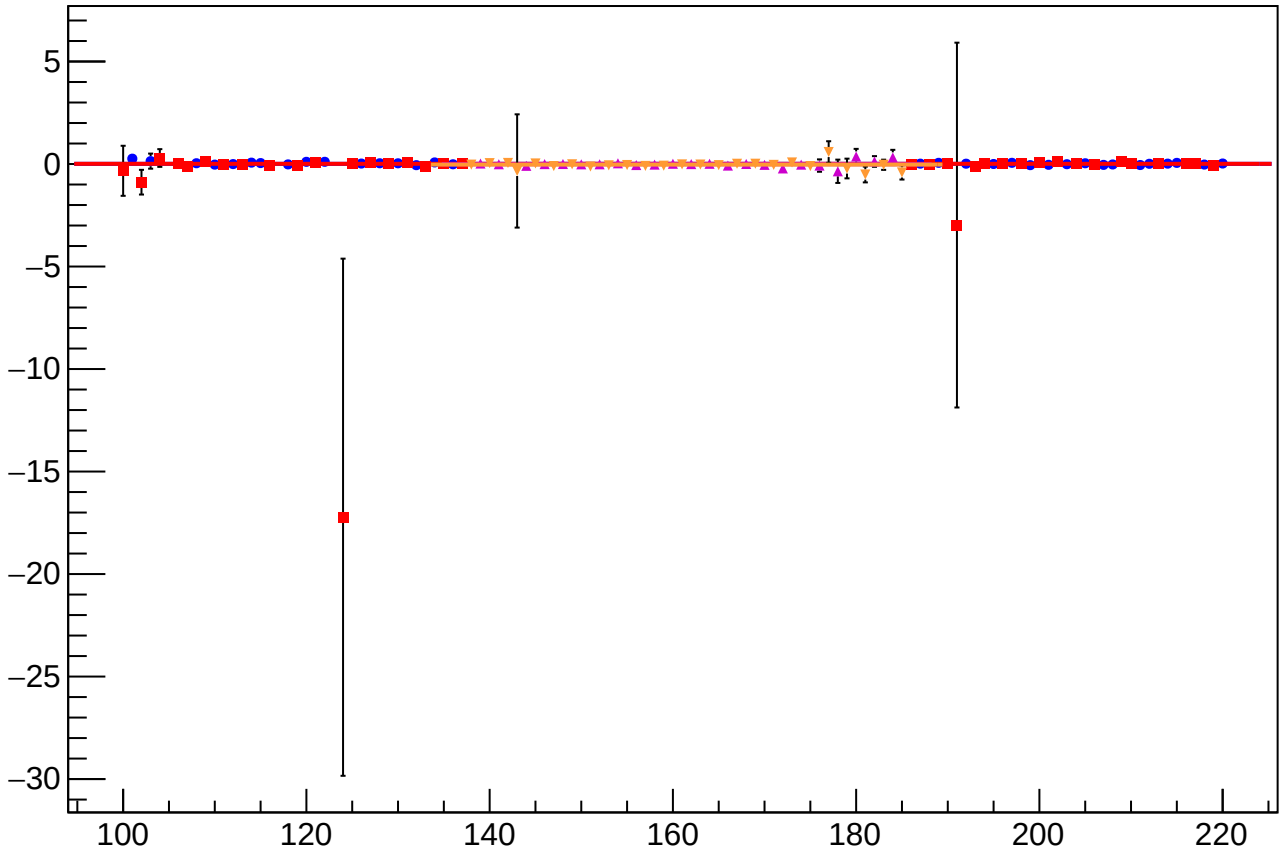
Right Out: 0.002+/-0.000 χ^2/NDF: 19241886.0/36

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 34610398.3/57

All: 0.002+/-0.000 χ^2/NDF: 65844278.9/117

- sign 0.002+/-0.000 χ^2/NDF: 30927021.4/59



Right In: 0.008+/-0.010 χ^2/NDF: 19.3/32

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

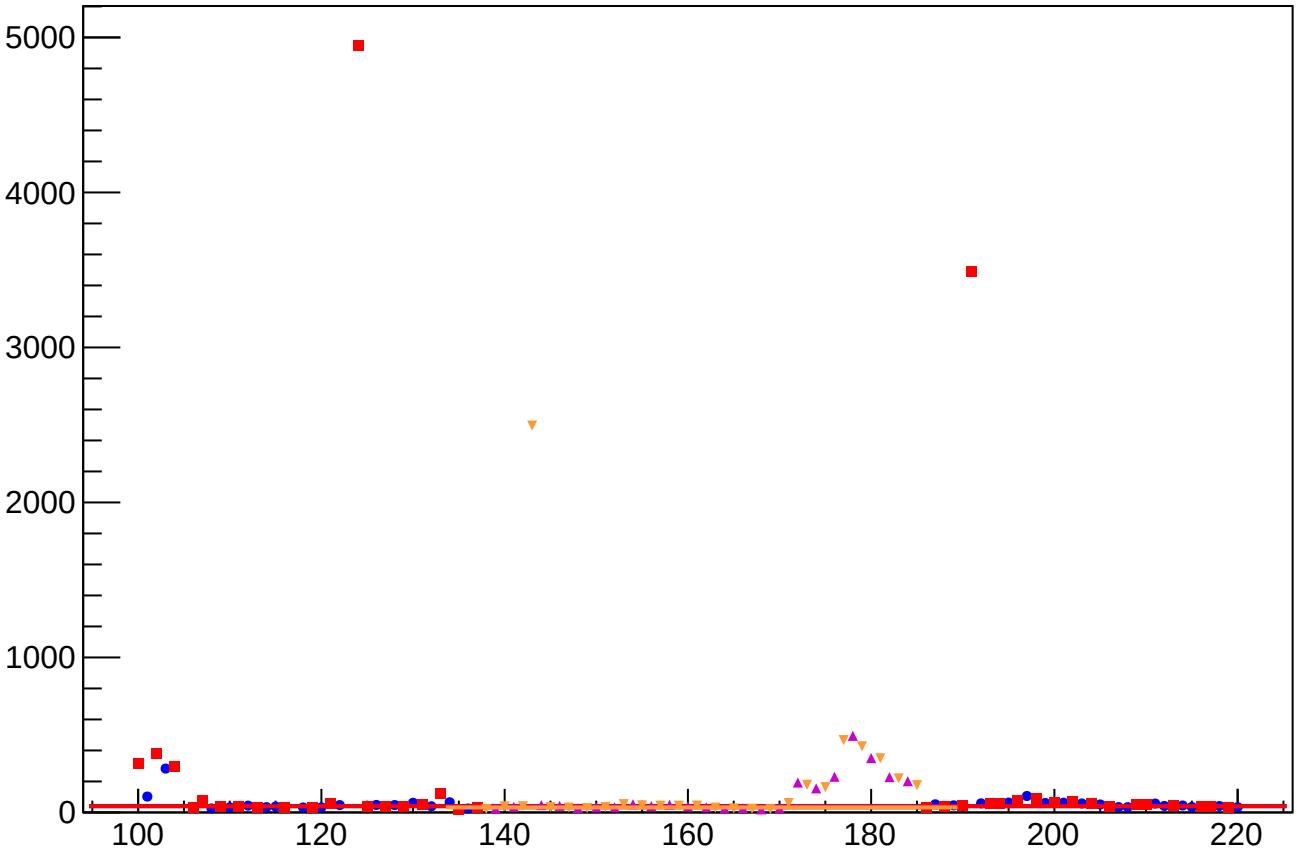
Right Out: 0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.011+/-0.007 χ^2/NDF: 54.3/57

All: -0.006+/-0.005 χ^2/NDF: 101.6/117

\- sign -0.001+/-0.007 χ^2/NDF: 46.3/59



Right In: 40.762+/-0.007 χ^2/NDF: 4375387.0/32

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

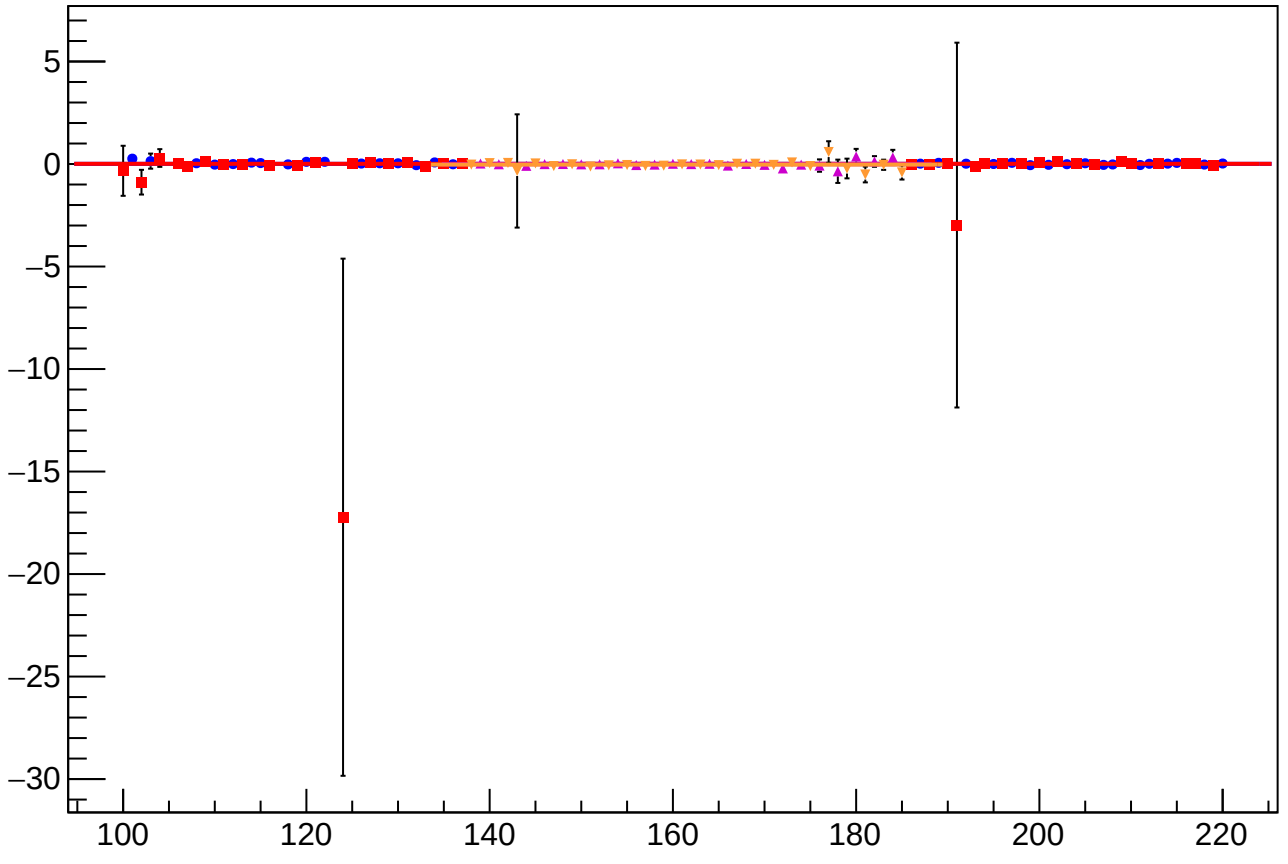
Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.444+/-0.005 χ^2/NDF: 15953395.4/57

All: 36.401+/-0.003 χ^2/NDF: 31174841.4/117

- sign 36.358+/-0.005 χ^2/NDF: 15221291.0/59



Right In: 0.008+/-0.010 χ^2/NDF: 19.3/32

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

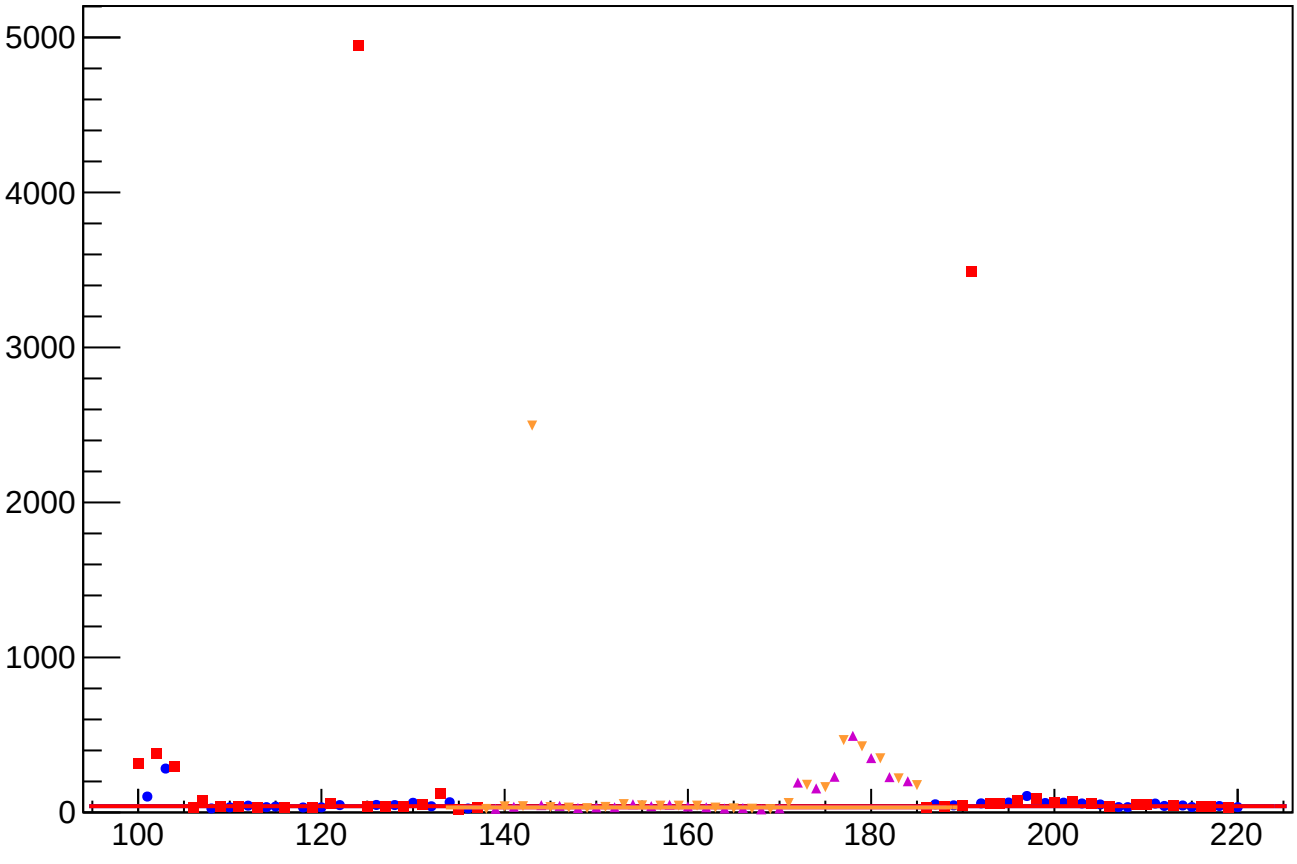
Right Out: 0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.011+/-0.007 χ^2/NDF: 54.3/57

All: -0.006+/-0.005 χ^2/NDF: 101.6/117

\- sign -0.001+/-0.007 χ^2/NDF: 46.3/59



Right In: 40.762+/-0.007 χ^2/NDF: 4375387.0/32

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

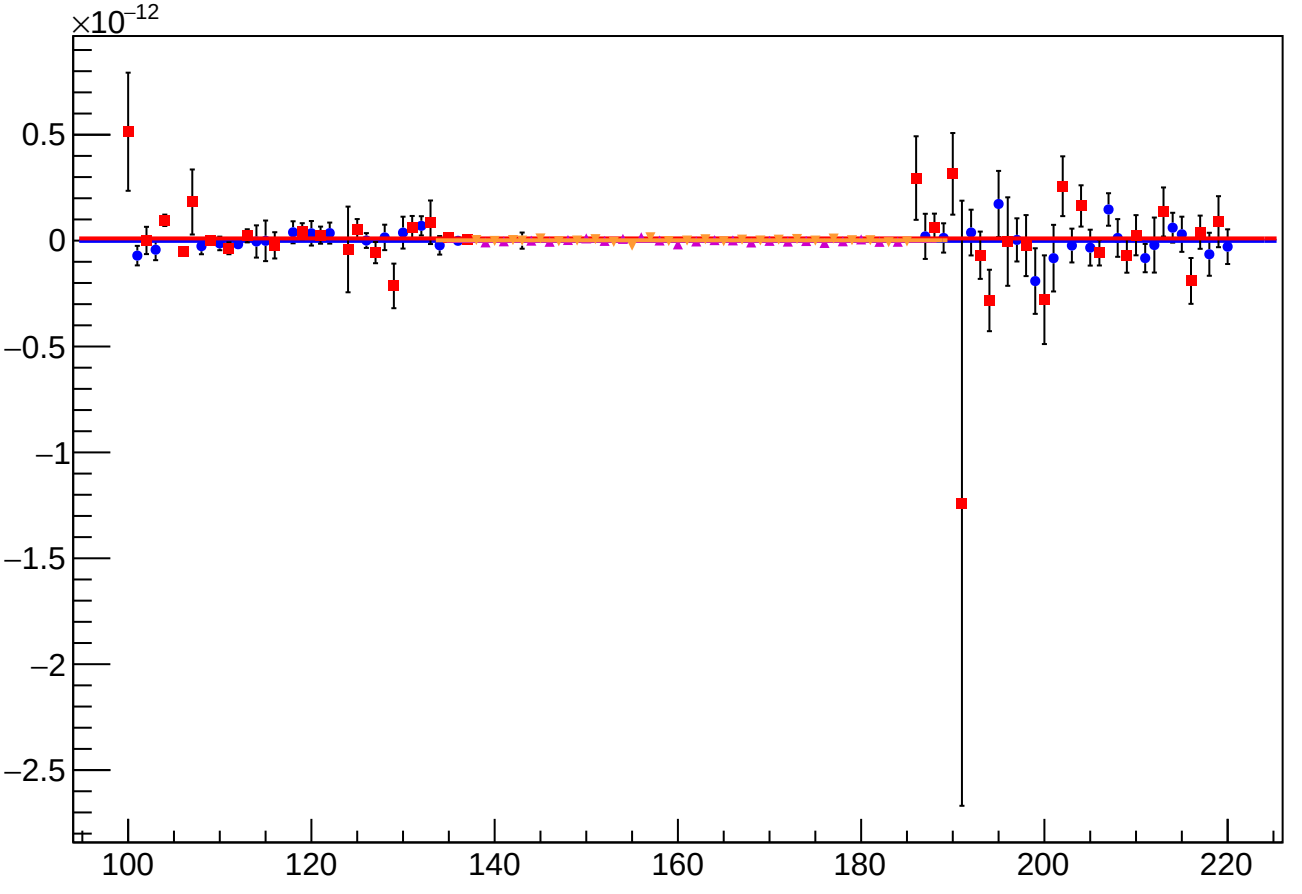
Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.444+/-0.005 χ^2/NDF: 15953395.4/57

All: 36.401+/-0.003 χ^2/NDF: 31174841.4/117

- sign 36.358+/-0.005 χ^2/NDF: 15221291.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

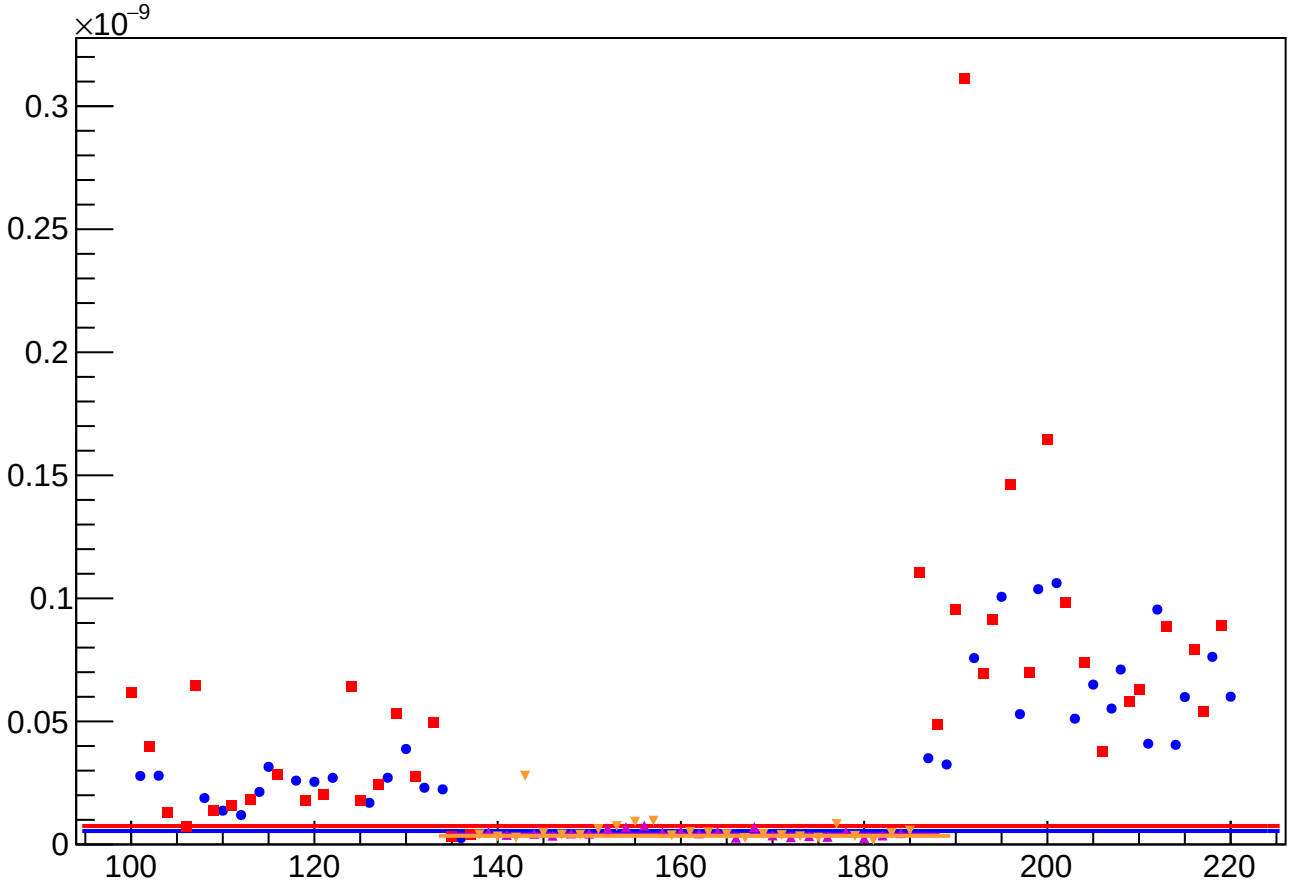
Right Out: 0.000+/-0.000 χ^2/NDF: 65.5/36

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.4/57

All: 0.000+/-0.000 χ^2/NDF: 140.0/117

- sign -0.000+/-0.000 χ^2/NDF: 101.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 17764139.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17918262.2/36

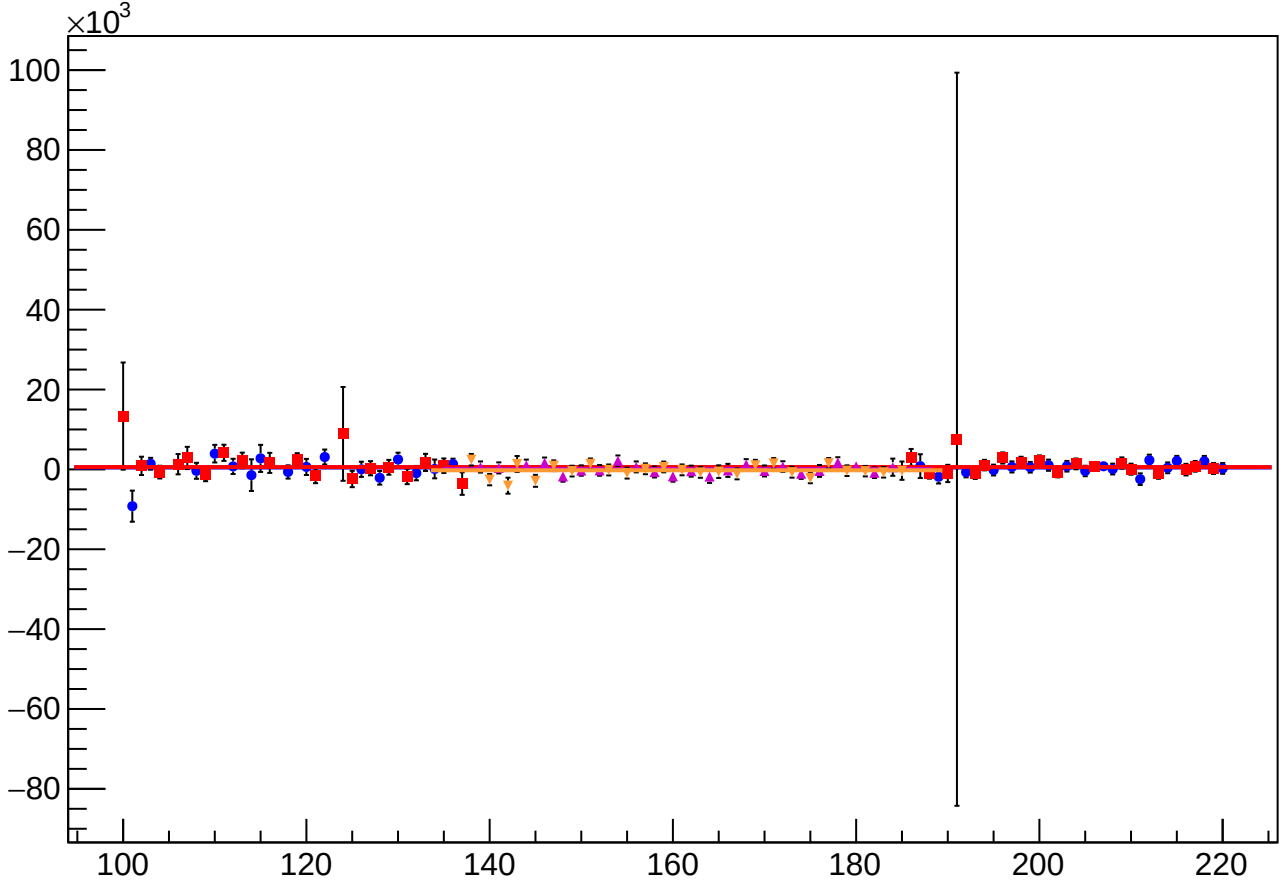
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 23060705.8/57

All: 0.000+/-0.000 χ^2/NDF: 44704325.5/117

- sign 0.000+/-0.000 χ^2/NDF: 21362391.1/59

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 473.348+/-276.428 χ^2/NDF: 29.6/32

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 576.736+/-277.611 χ^2/NDF: 29.8/36

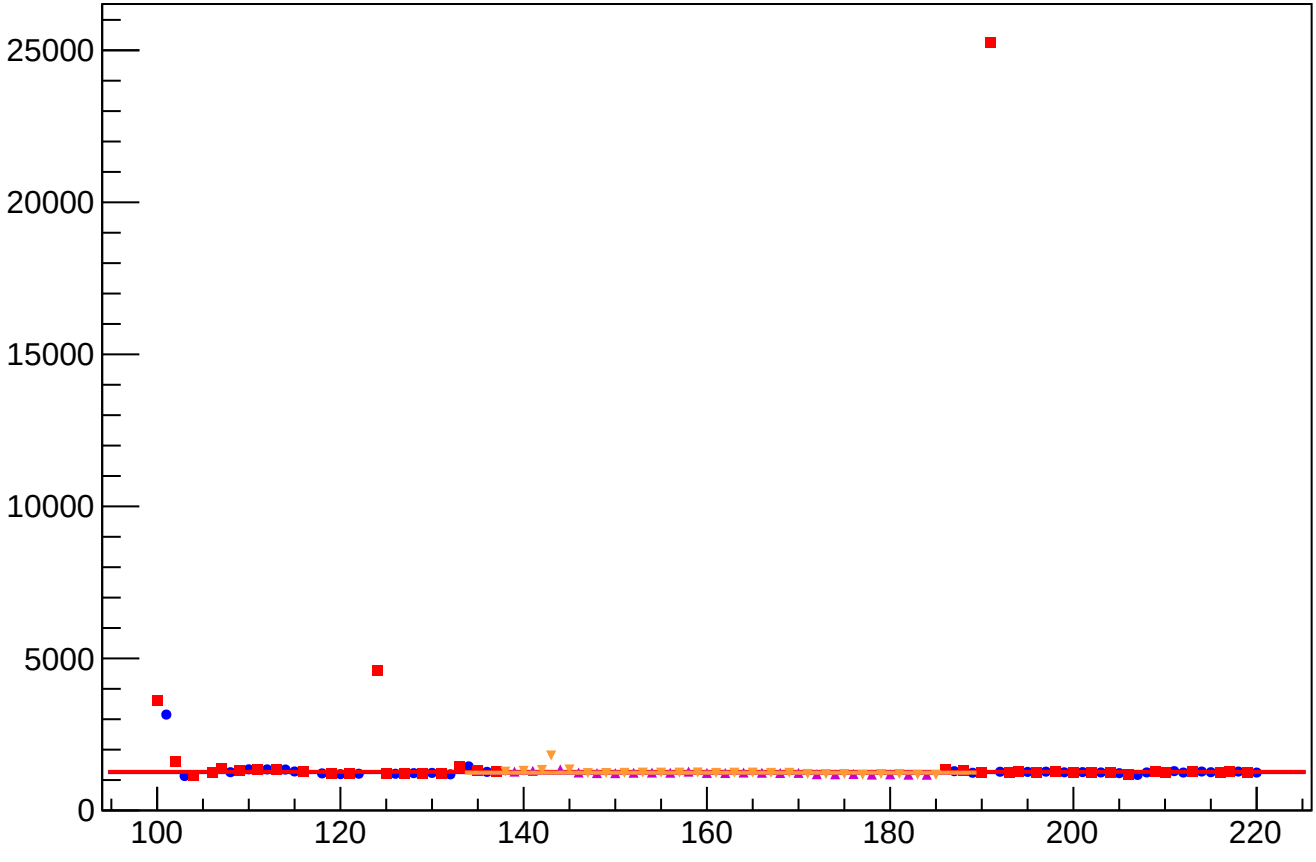
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 134.533+/-197.765 χ^2/NDF: 56.6/57

All: 237.943+/-140.605 χ^2/NDF: 103.1/117

- sign 343.644+/-199.945 χ^2/NDF: 46.0/59

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1260.165+/-0.195 χ^2/NDF: 536294.4/32

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

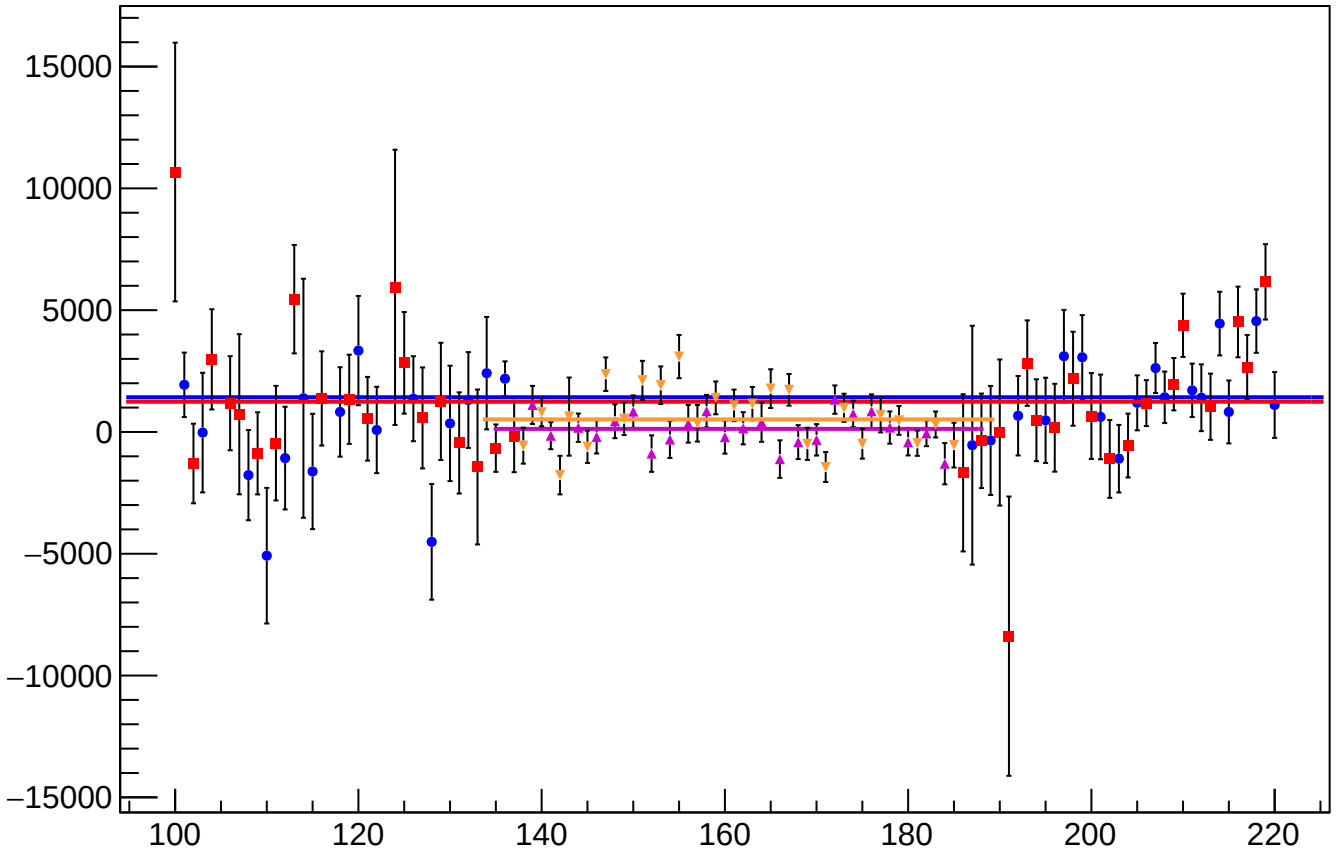
Right Out: 1269.545+/-0.196 χ^2/NDF: 487602.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.700+/-0.140 χ^2/NDF: 743435.5/57

All: 1252.007+/-0.099 χ^2/NDF: 1286330.4/11

- sign 1252.320+/-0.141 χ^2/NDF: 542885.2/59



Right In: 1425.047+/-265.047 χ^2/NDF: 40.6/32

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 1240.765+/-279.291 χ^2/NDF: 52.7/36

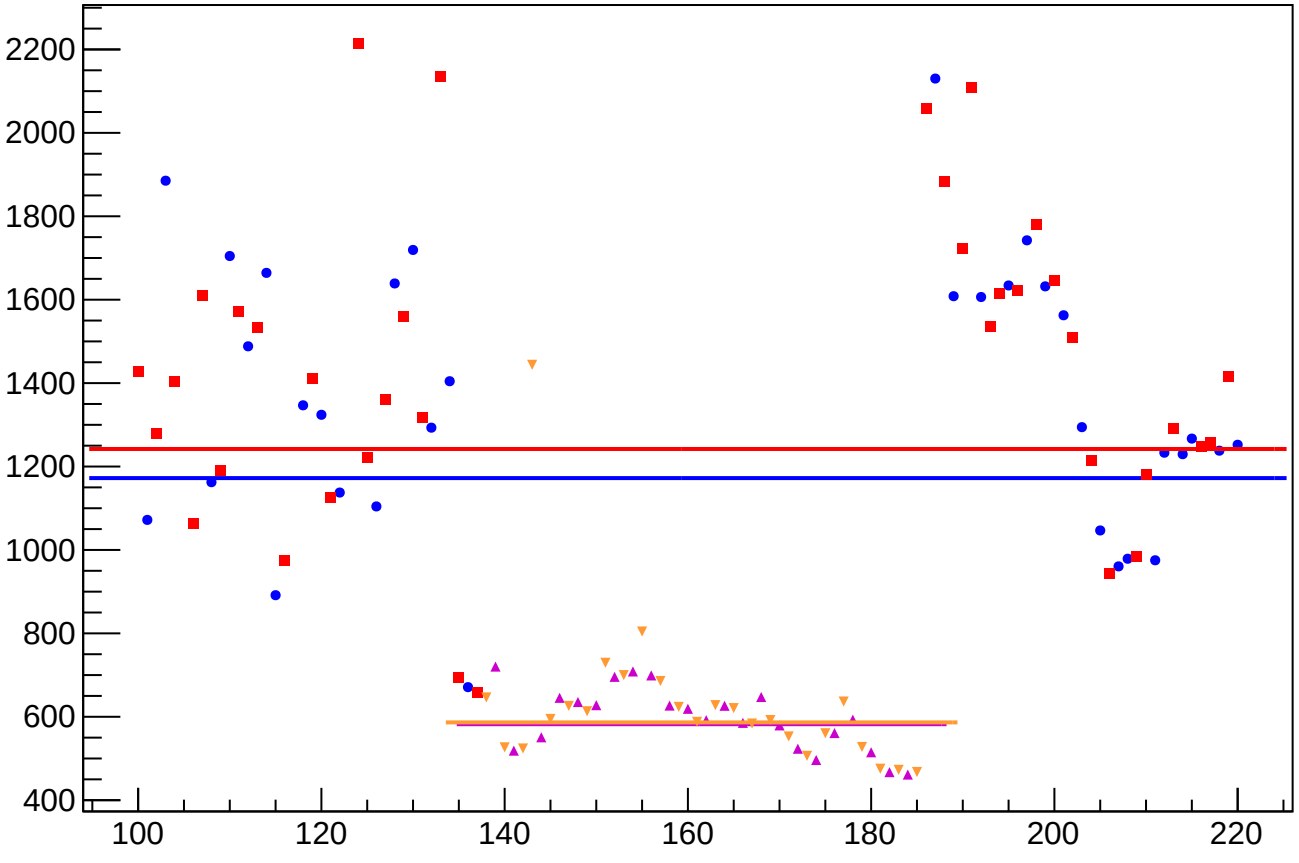
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 705.527+/-120.822 χ^2/NDF: 116.9/57

All: 527.953+/-86.260 χ^2/NDF: 208.3/117

- sign 343.345+/-123.192 χ^2/NDF: 87.0/59

asym_atl_dd_atr_dd_dd_reg_correction_rms vs Slug



Right In: 1172.273+/-0.187 χ^2/NDF: 2720621.6/32

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1242.083+/-0.197 χ^2/NDF: 2764689.4/36

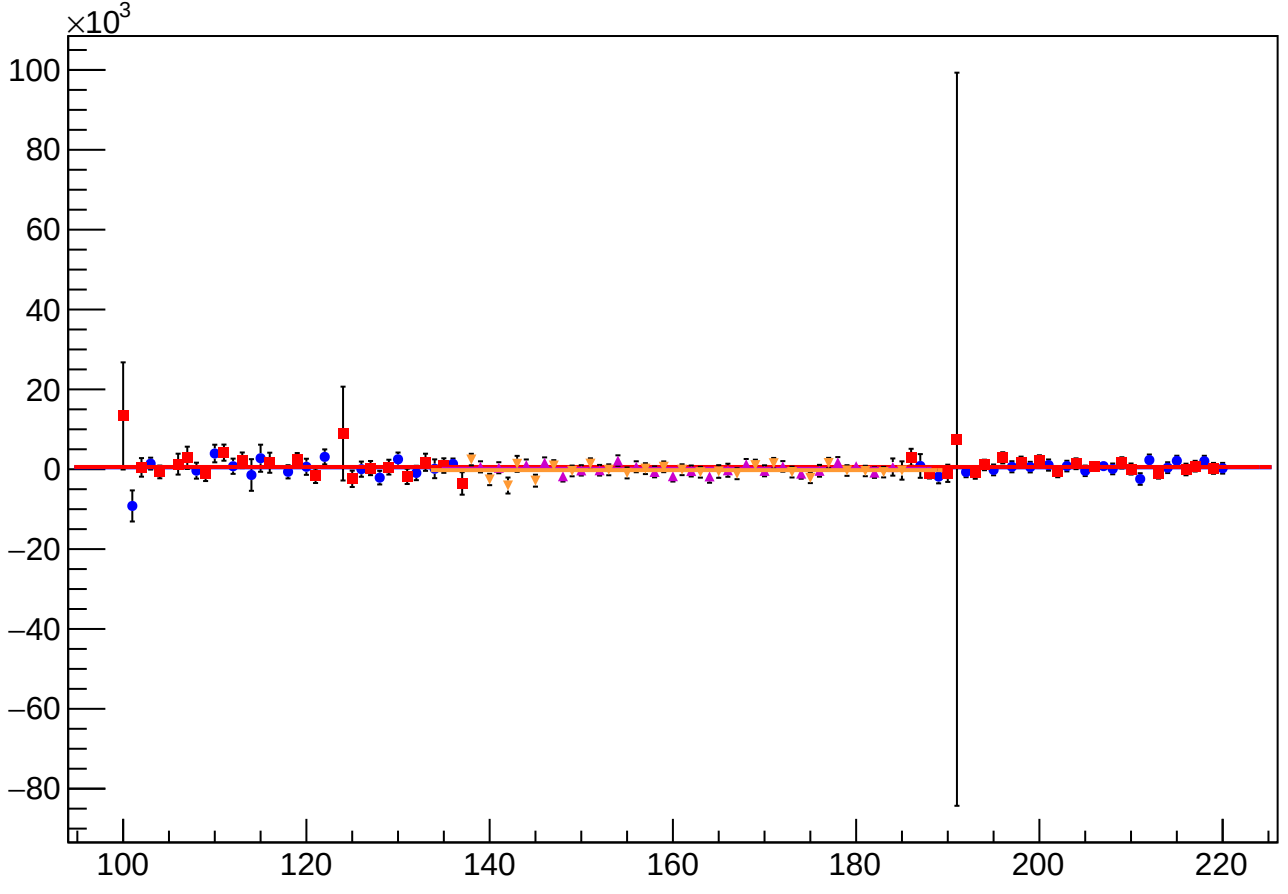
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 708.269+/-0.085 χ^2/NDF: 11660913.6/57

All: 709.401+/-0.061 χ^2/NDF: 23978072.1/11

- sign 710.577+/-0.087 χ^2/NDF: 12316800.4/59

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 473.529+/-276.428 χ^2/NDF: 29.6/32

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 569.969+/-277.768 χ^2/NDF: 29.8/36

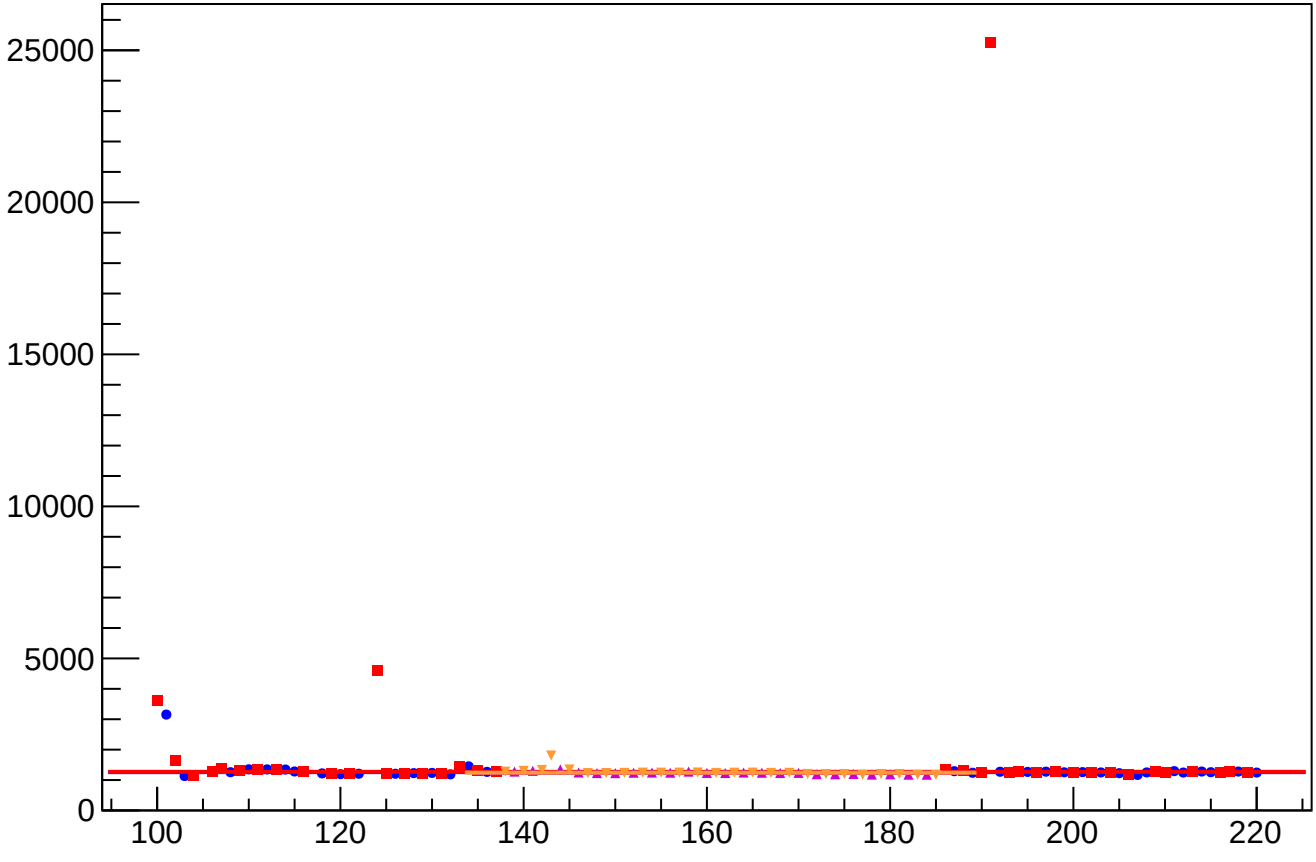
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 134.609+/-197.765 χ^2/NDF: 56.6/57

All: 236.165+/-140.626 χ^2/NDF: 103.0/117

- sign 340.033+/-200.004 χ^2/NDF: 45.9/59

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1260.165+/-0.195 χ^2/NDF: 536295.8/32

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

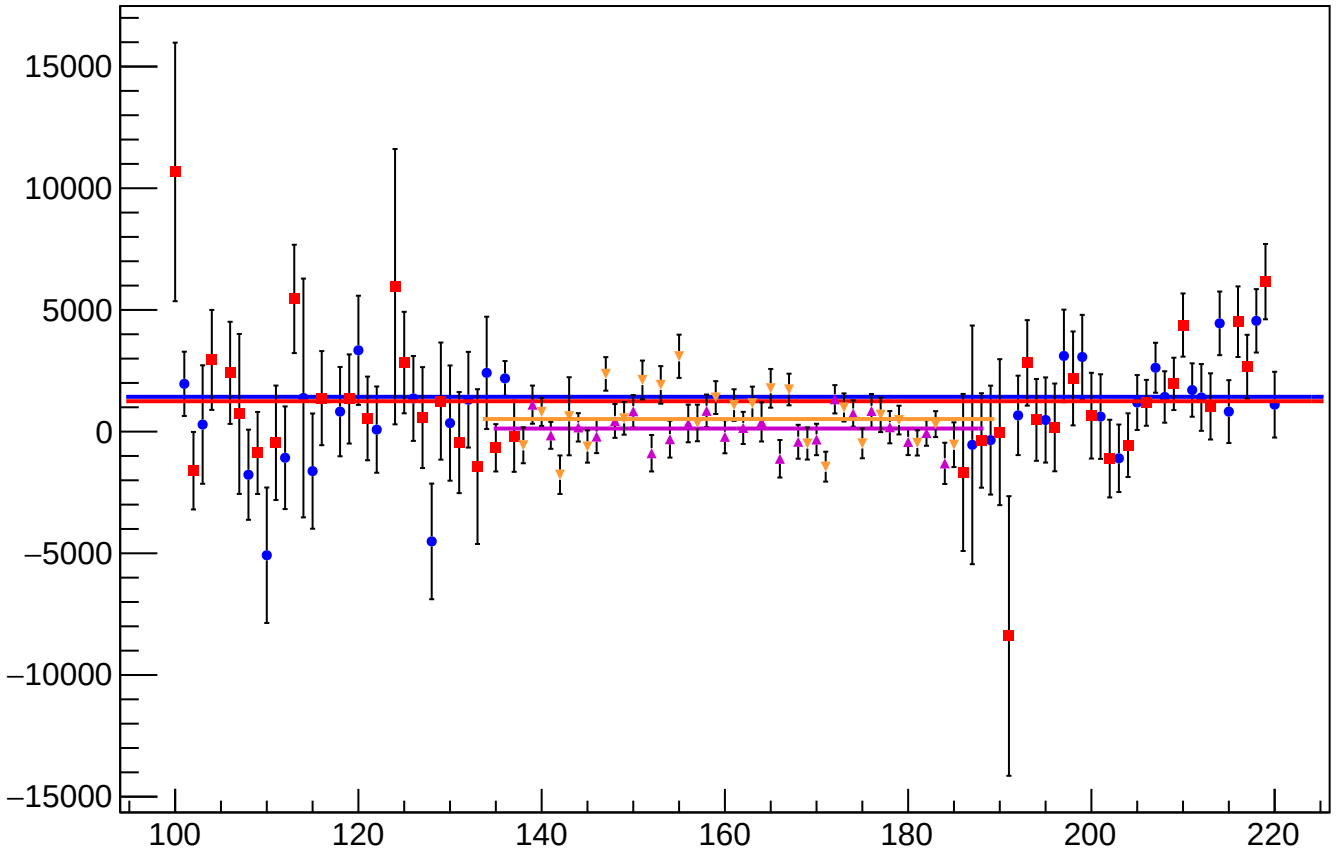
Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.700+/-0.140 χ^2/NDF: 743436.8/57

All: 1252.193+/-0.099 χ^2/NDF: 1294202.6/11

- sign 1252.697+/-0.141 χ^2/NDF: 550740.7/59



Right In: 1429.719+/-265.004 χ^2/NDF: 40.5/32

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

Right Out: 1248.860+/-279.510 χ^2/NDF: 53.7/36

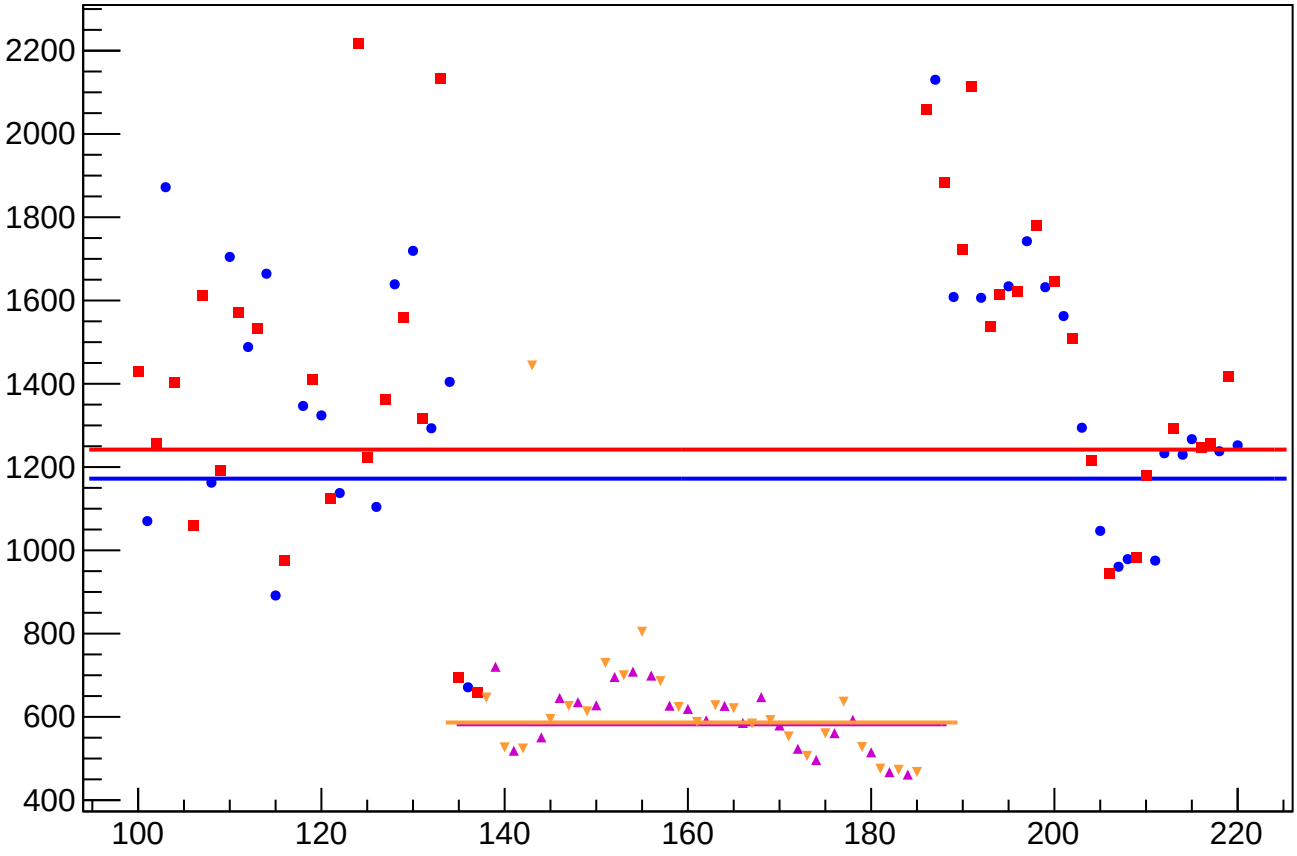
Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 706.564+/-120.818 χ^2/NDF: 116.9/57

All: 529.142+/-86.265 χ^2/NDF: 209.6/117

- sign 344.626+/-123.210 χ^2/NDF: 88.3/59

asym_atl_dd_atr_dd_dd_cor_correction_rms vs Slug



Right In: 1172.169+/-0.187 χ^2/NDF: 2717592.7/32

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

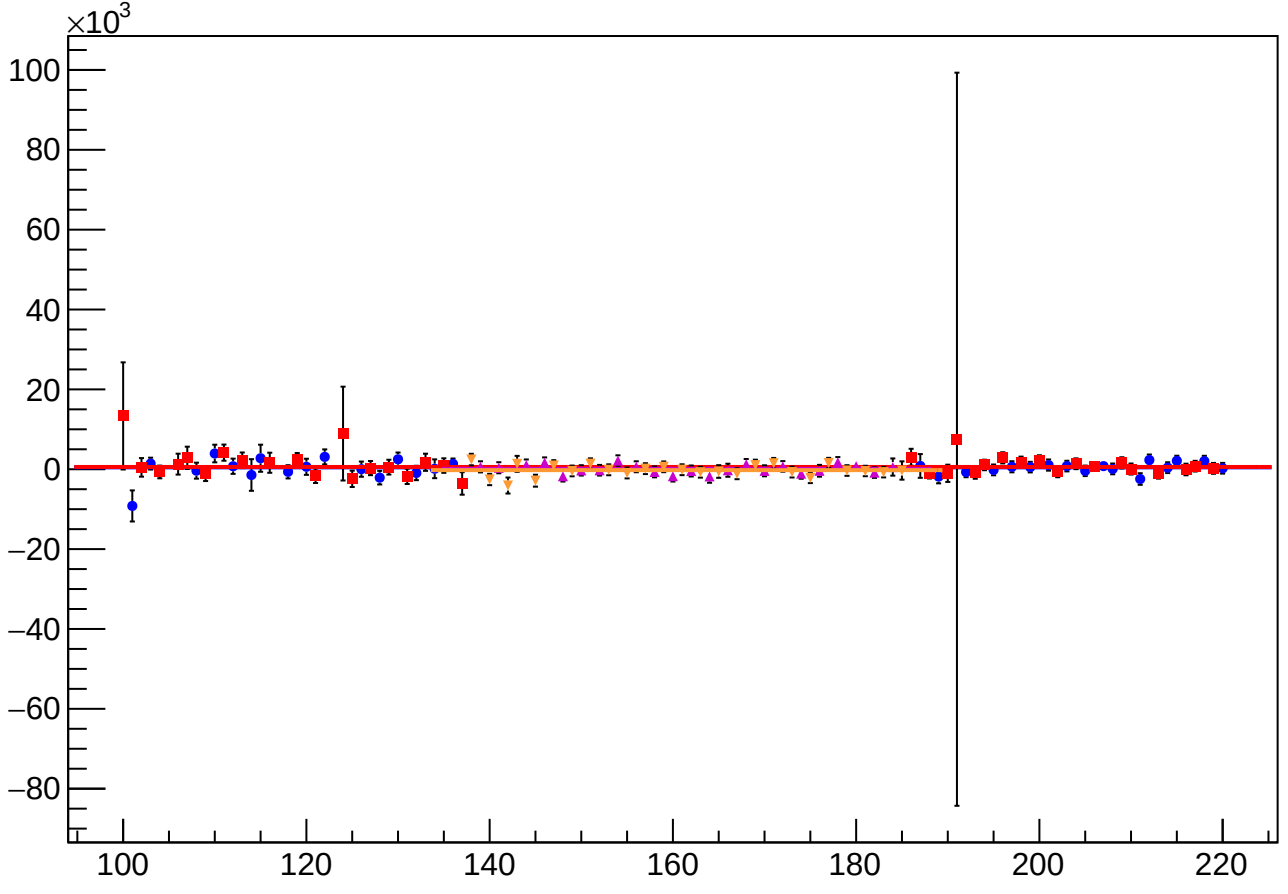
Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 708.283+/-0.085 χ^2/NDF: 11656884.8/57

All: 709.316+/-0.061 χ^2/NDF: 23956741.0/11

- sign 710.389+/-0.087 χ^2/NDF: 12299558.3/59



Right In: 473.529+/-276.428 χ^2/NDF: 29.6/32

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 569.969+/-277.768 χ^2/NDF: 29.8/36

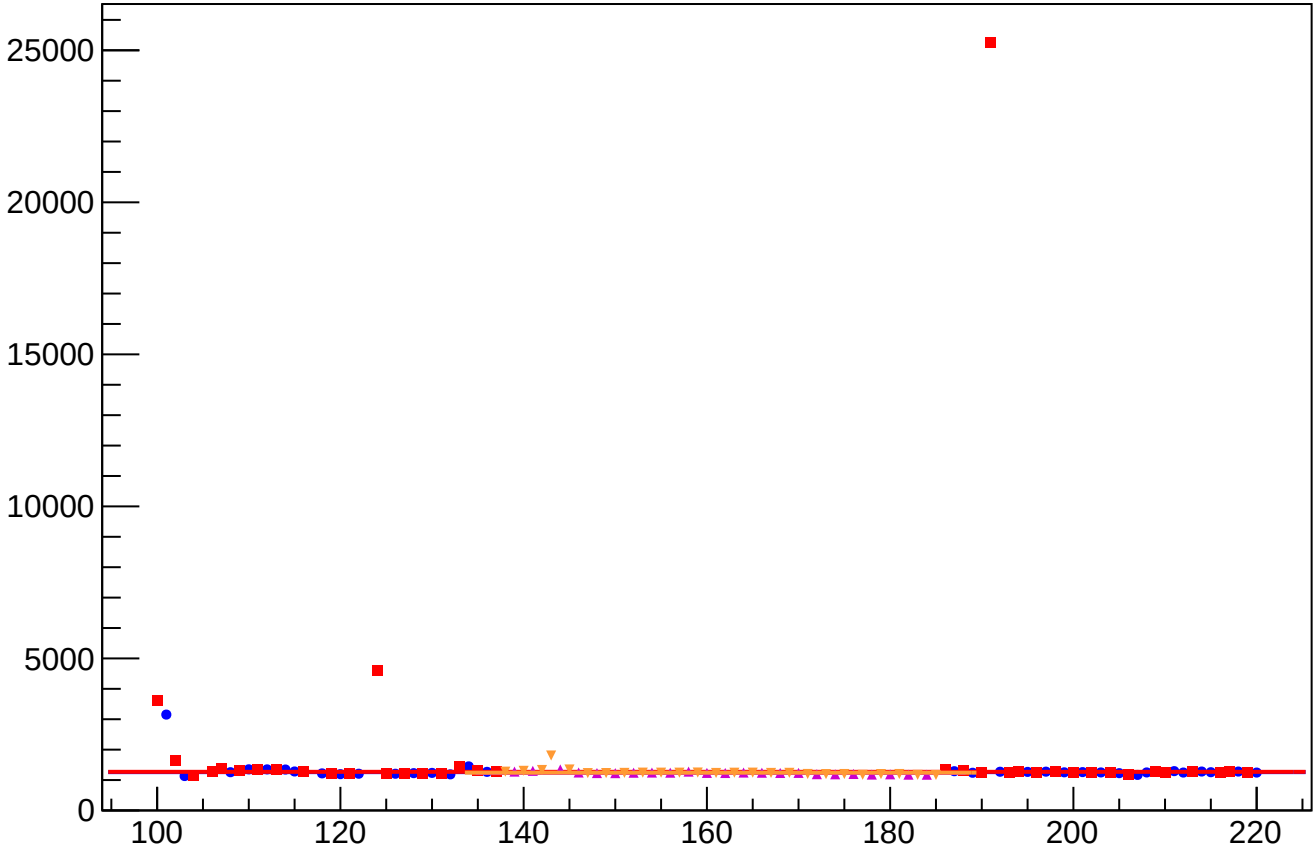
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 134.609+/-197.765 χ^2/NDF: 56.6/57

All: 236.165+/-140.626 χ^2/NDF: 103.0/117

- sign 340.033+/-200.004 χ^2/NDF: 45.9/59

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1260.165+/-0.195 χ^2/NDF: 536295.8/32

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

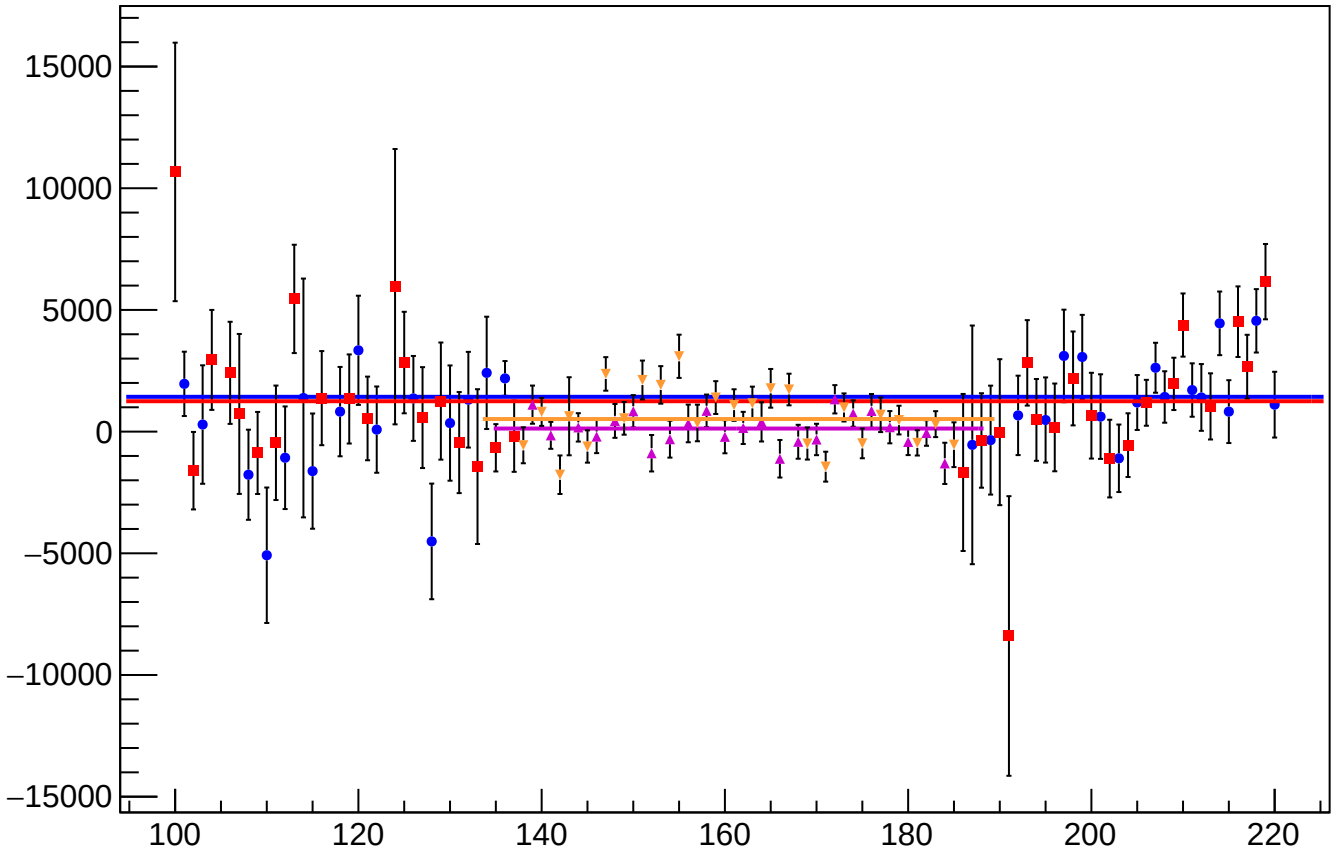
Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.700+/-0.140 χ^2/NDF: 743436.8/57

All: 1252.193+/-0.099 χ^2/NDF: 1294202.6/11

- sign 1252.697+/-0.141 χ^2/NDF: 550740.7/59



Right In: 1429.719+/-265.004 χ^2/NDF: 40.5/32

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

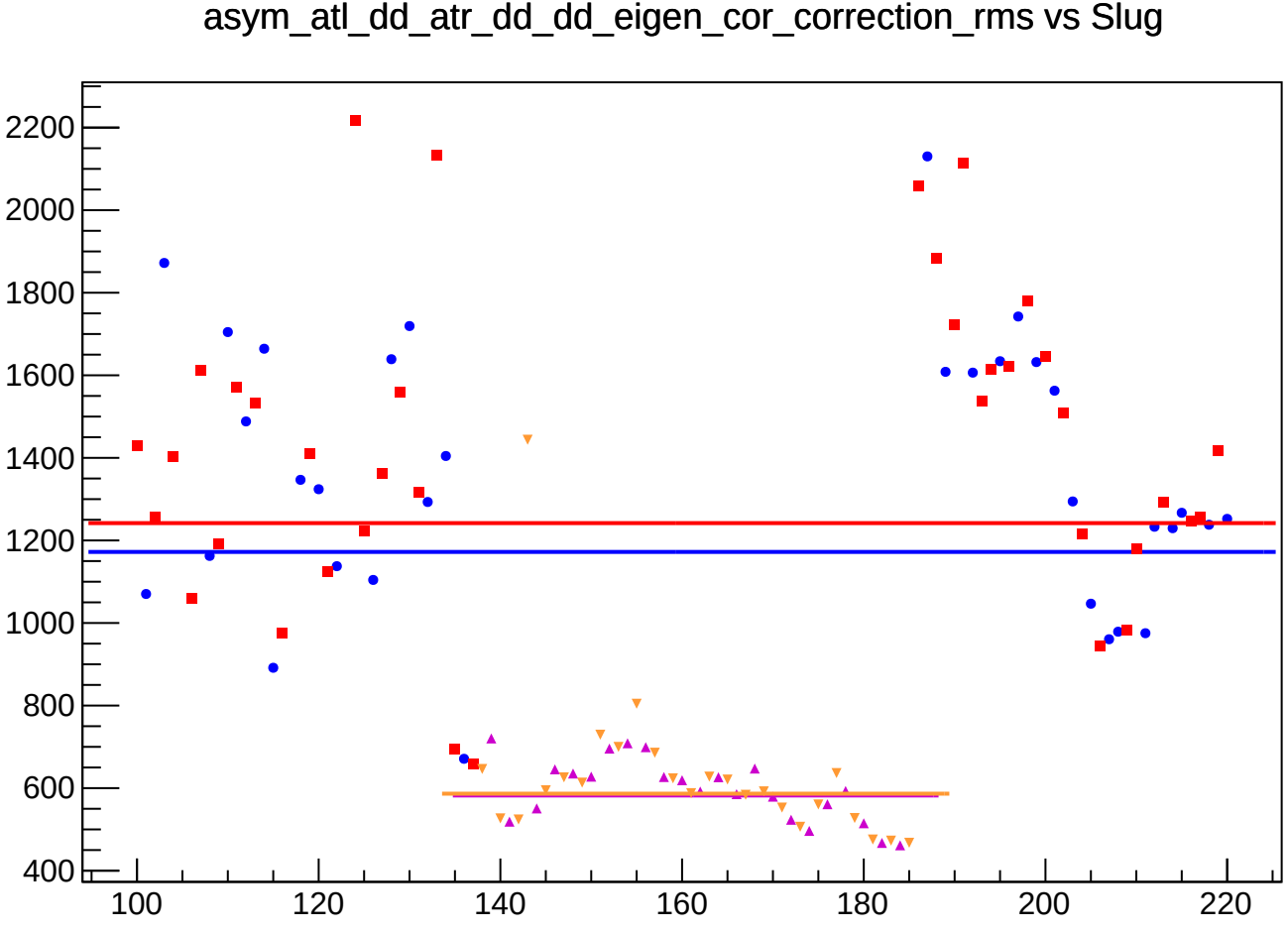
Right Out: 1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 706.564+/-120.818 χ^2/NDF: 116.9/57

All: 529.142+/-86.265 χ^2/NDF: 209.6/117

- sign 344.626+/-123.210 χ^2/NDF: 88.3/59



Right In: 1172.169+/-0.187 χ^2/NDF: 2717592.7/32

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

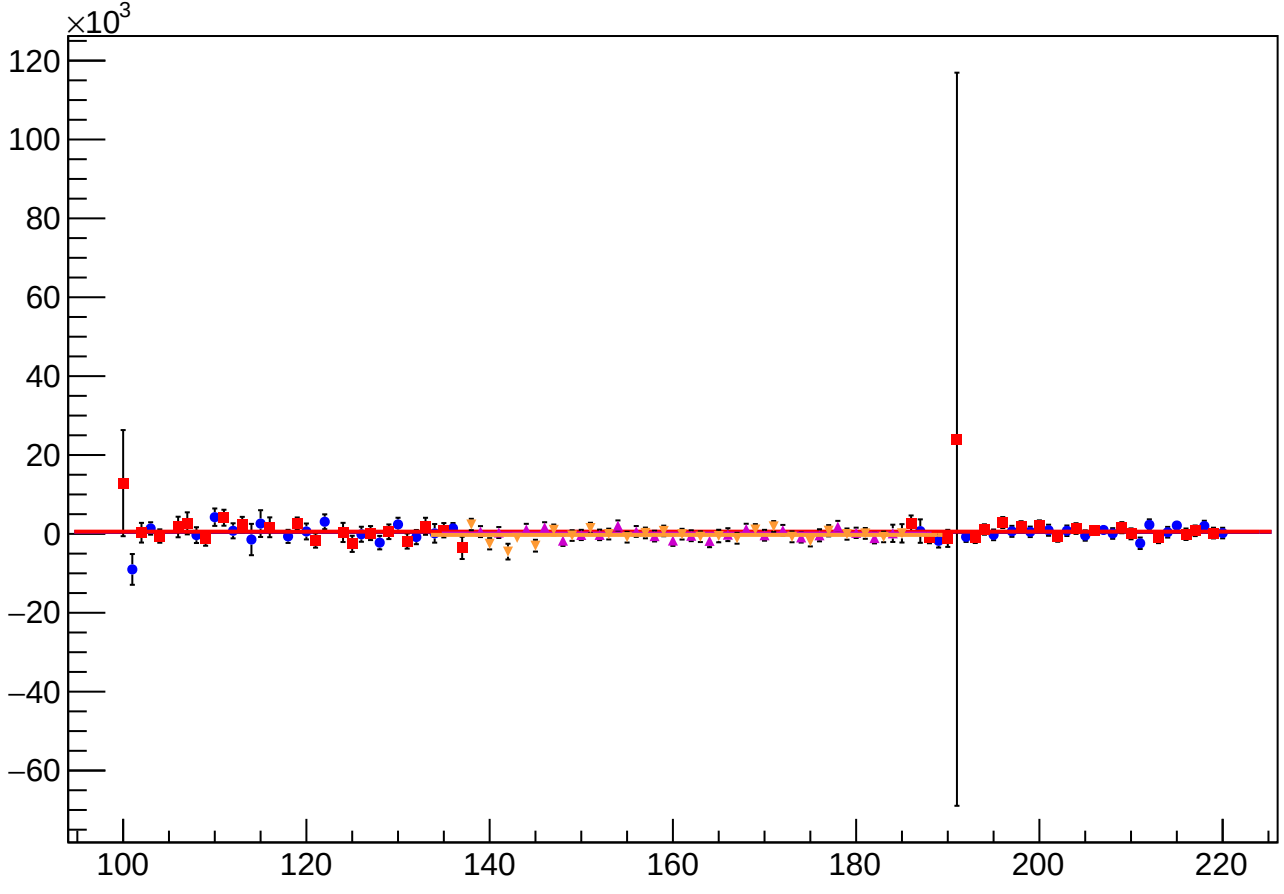
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 708.283+/-0.085 χ^2/NDF: 11656884.8/57

All: 709.316+/-0.061 χ^2/NDF: 23956741.0/11

- sign 710.389+/-0.087 χ^2/NDF: 12299558.3/59

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 478.364+/-277.186 χ^2/NDF: 29.5/32

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 567.132+/-277.217 χ^2/NDF: 29.3/36

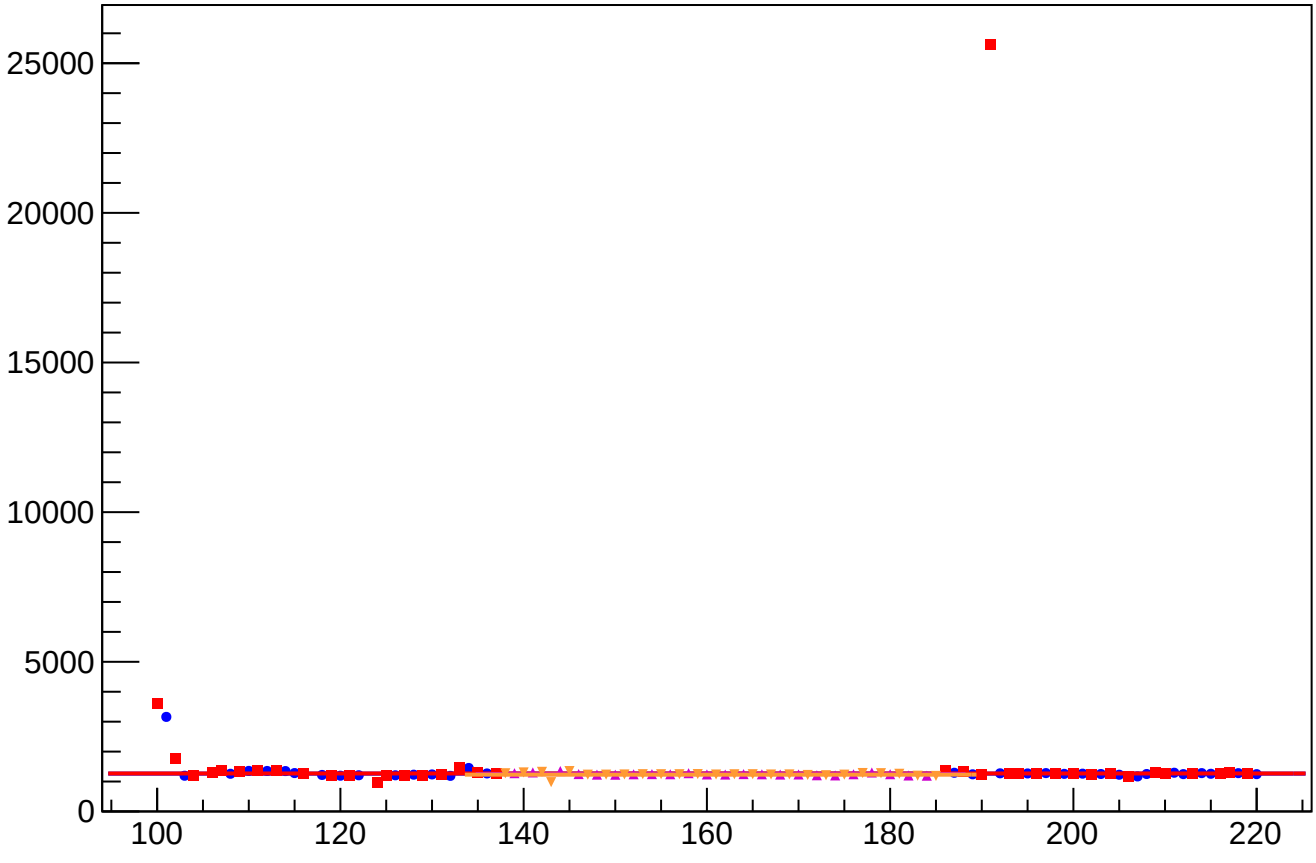
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 117.340+/-196.961 χ^2/NDF: 57.0/57

All: 223.212+/-140.633 χ^2/NDF: 102.4/117

- sign 333.326+/-200.868 χ^2/NDF: 44.8/59

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1263.760+/-0.196 χ^2/NDF: 526092.4/32

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

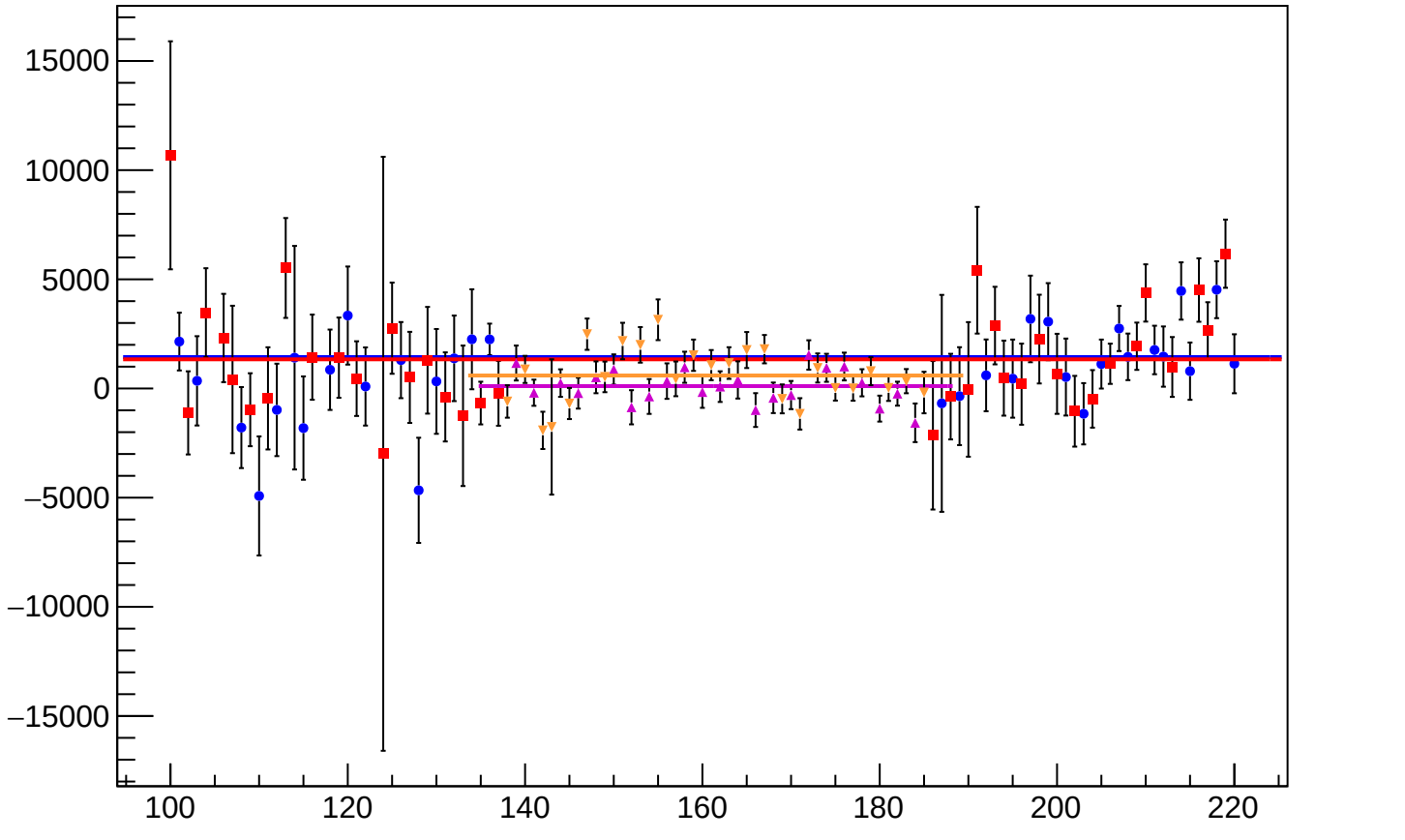
Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.7/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1247.039+/-0.139 χ^2/NDF: 682400.7/57

All: 1252.898+/-0.099 χ^2/NDF: 1104963.3/11

- sign 1258.991+/-0.142 χ^2/NDF: 418953.0/59



Right In: 1438.640+/-266.320 χ^2/NDF: 41.3/32

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

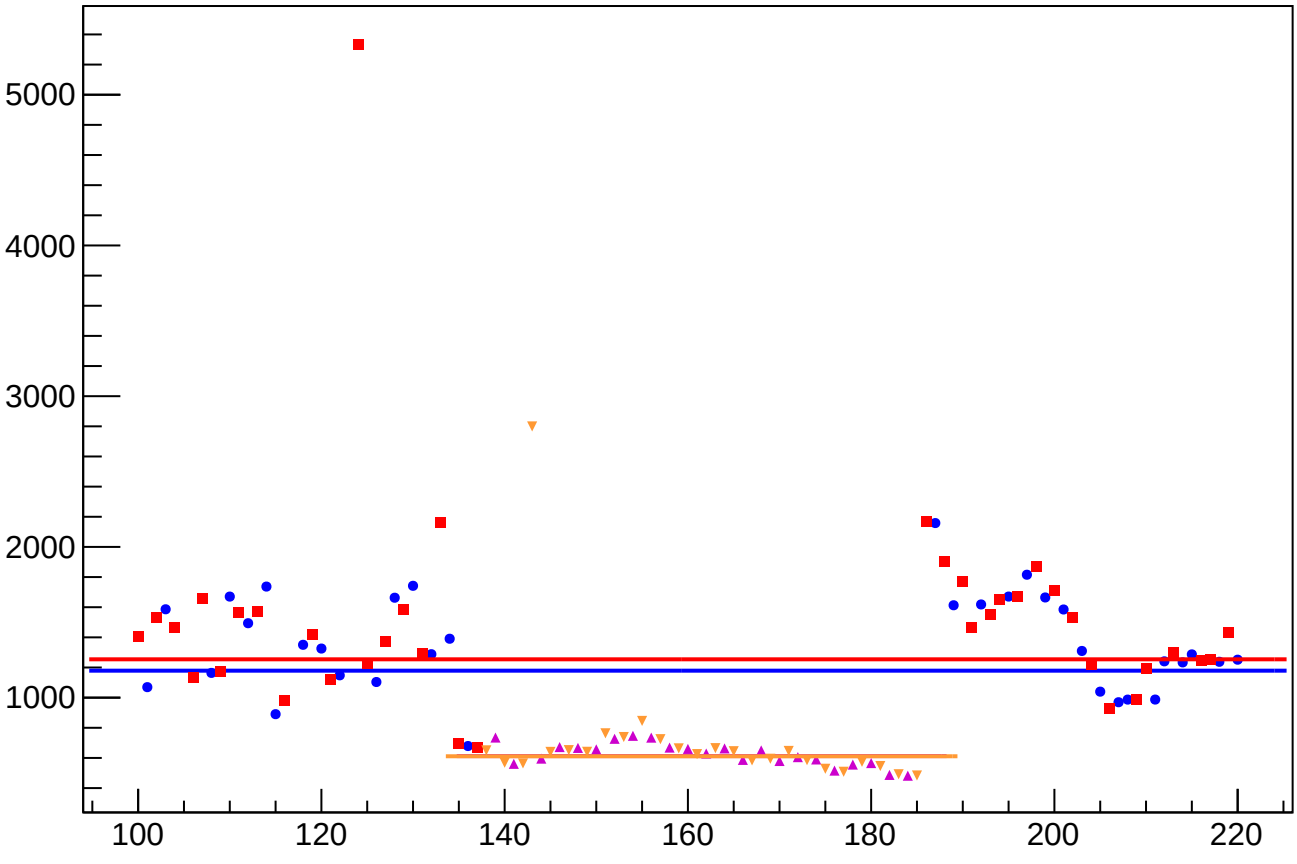
Right Out: 1336.522+/-281.612 χ^2/NDF: 50.7/36

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 782.018+/-125.391 χ^2/NDF: 106.5/57

All: 578.449+/-89.701 χ^2/NDF: 203.3/117

- sign 365.077+/-128.374 χ^2/NDF: 91.4/59



Right In: 1178.964+/-0.188 χ^2/NDF: 2656796.5/32

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1254.351+/-0.199 χ^2/NDF: 3056764.1/36

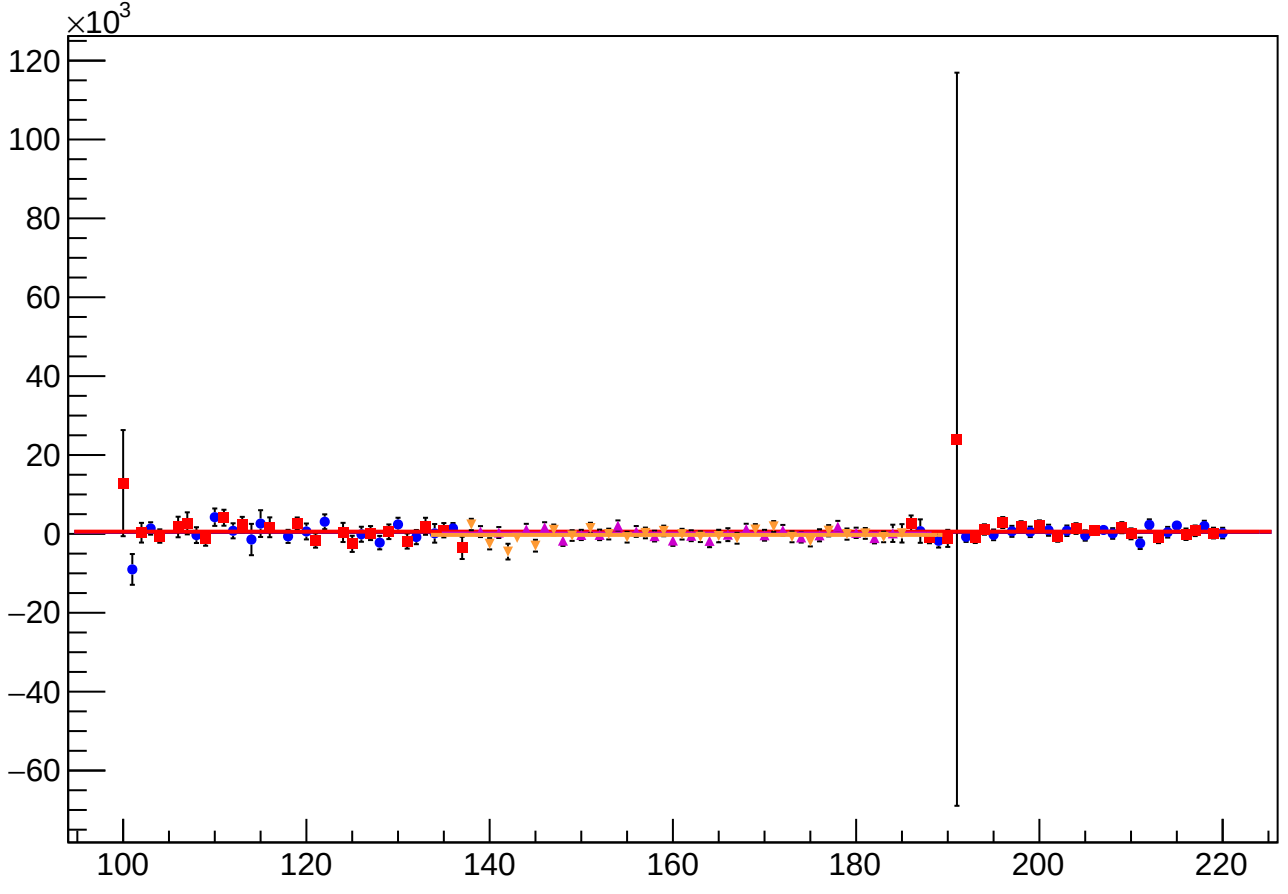
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 736.974+/-0.089 χ^2/NDF: 11353791.3/57

All: 741.283+/-0.063 χ^2/NDF: 23157144.2/11

- sign 745.800+/-0.091 χ^2/NDF: 11798514.6/59

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 478.360+/-277.186 χ^2/NDF: 29.5/32

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 567.130+/-277.217 χ^2/NDF: 29.3/36

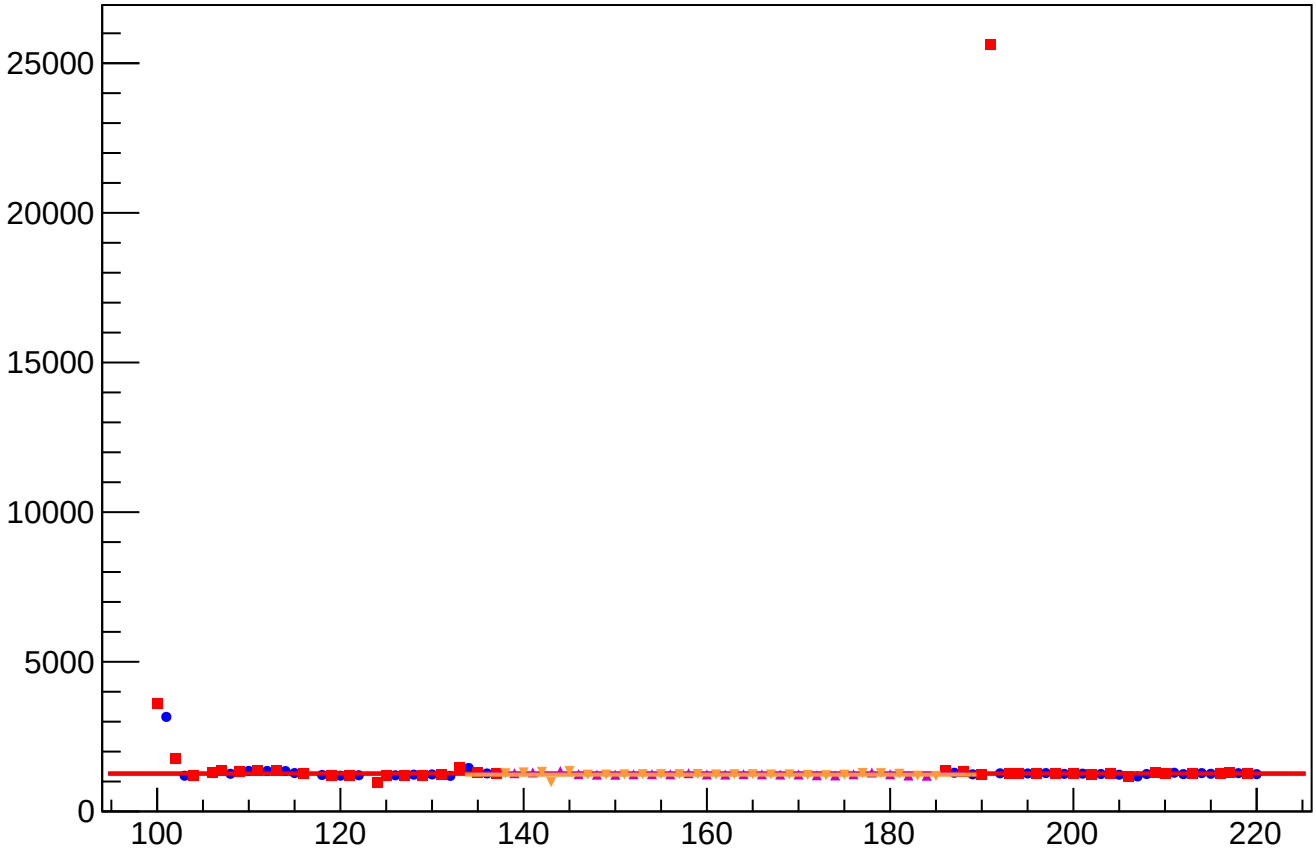
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 117.337+/-196.960 χ^2/NDF: 57.0/57

All: 223.210+/-140.633 χ^2/NDF: 102.4/117

- sign 333.325+/-200.868 χ^2/NDF: 44.8/59

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1263.760+/-0.196 χ^2/NDF: 526092.5/32

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

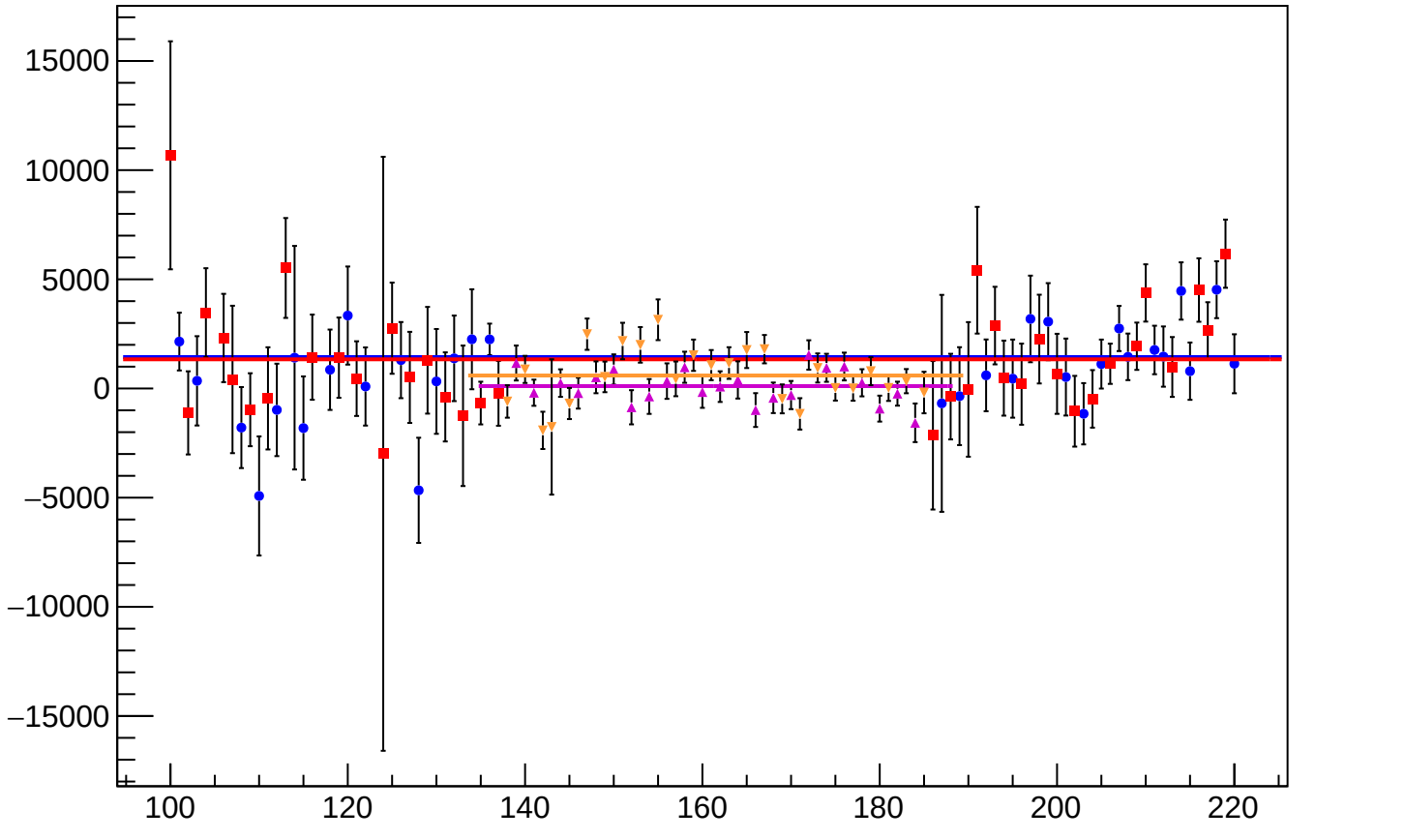
Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.5/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1247.039+/-0.139 χ^2/NDF: 682399.9/57

All: 1252.897+/-0.099 χ^2/NDF: 1104962.2/11

- sign 1258.990+/-0.142 χ^2/NDF: 418952.8/59



Right In: 1438.640+/-266.319 χ^2/NDF: 41.3/32

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

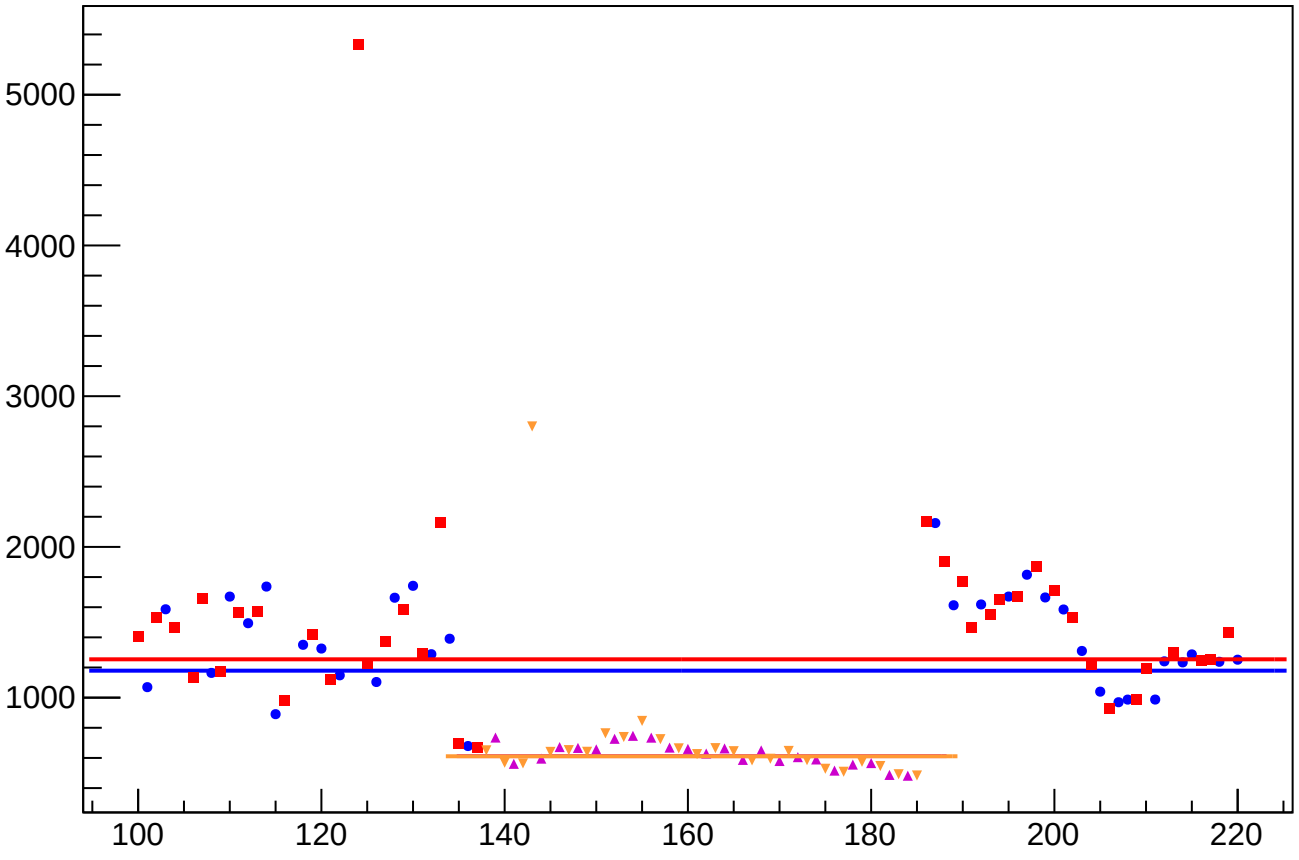
Right Out: 1336.524+/-281.612 χ^2/NDF: 50.7/36

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 782.018+/-125.391 χ^2/NDF: 106.5/57

All: 578.448+/-89.701 χ^2/NDF: 203.3/117

- sign 365.076+/-128.374 χ^2/NDF: 91.4/59



Right In: 1178.964+/-0.188 χ^2/NDF: 2656732.8/32

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1254.353+/-0.199 χ^2/NDF: 3056703.2/36

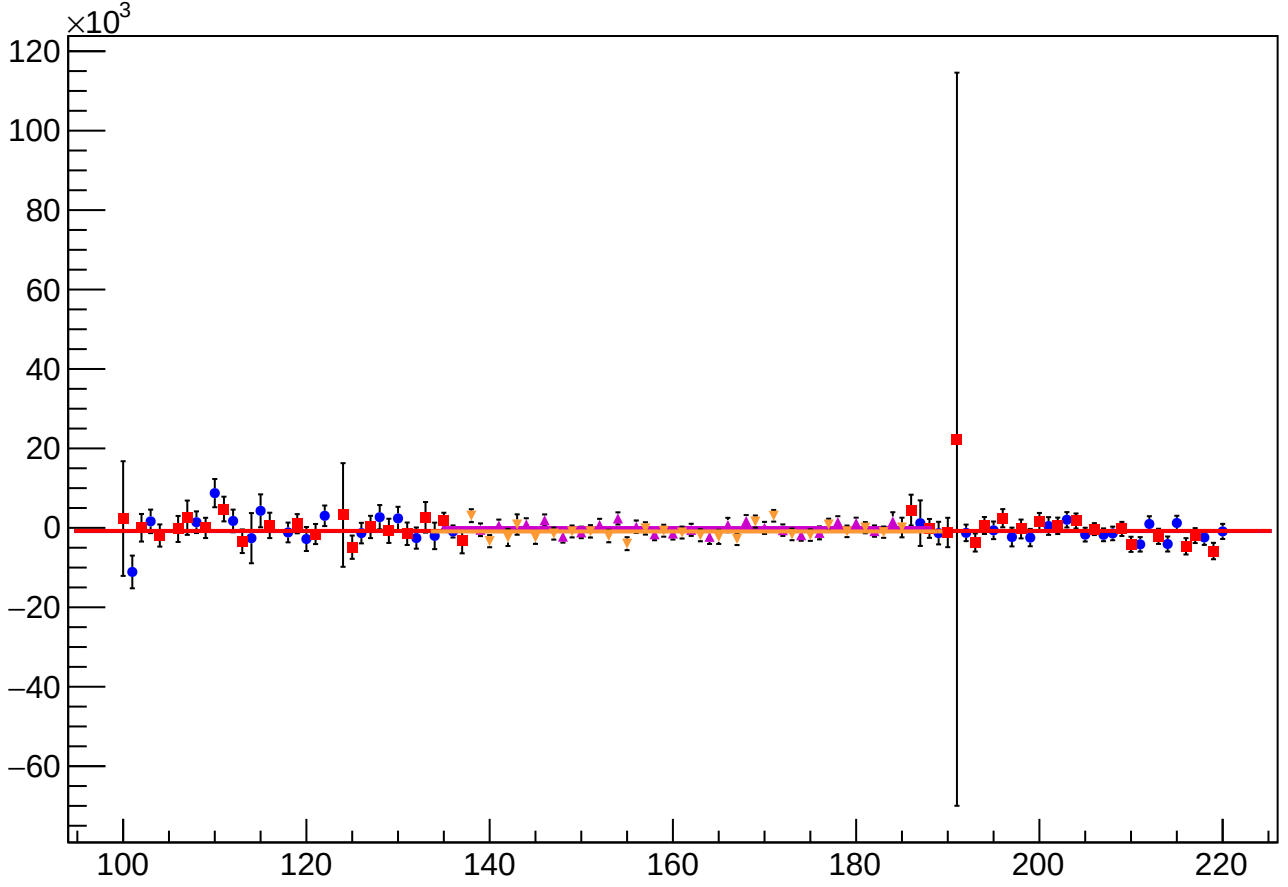
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 736.973+/-0.089 χ^2/NDF: 11353741.6/57

All: 741.283+/-0.063 χ^2/NDF: 23157103.5/11

- sign 745.799+/-0.091 χ^2/NDF: 11798524.0/59

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -806.245+/-400.049 χ^2/NDF: 36.5/32

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -771.194+/-411.095 χ^2/NDF: 33.8/36

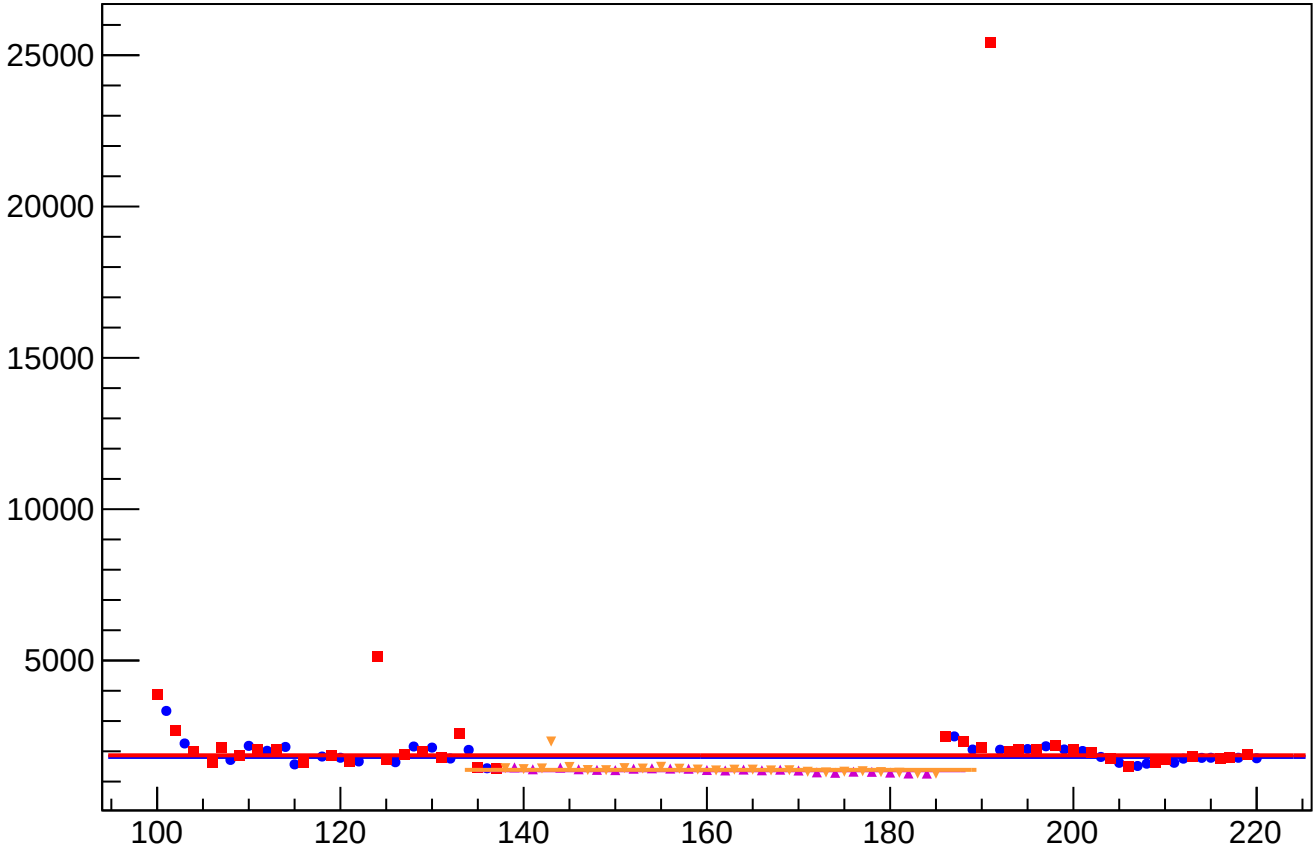
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -863.850+/-248.188 χ^2/NDF: 66.4/57

All: -598.076+/-177.162 χ^2/NDF: 122.4/117

- sign -321.960+/-252.971 χ^2/NDF: 53.6/59

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1813.990+/-0.283 χ^2/NDF: 895229.7/32

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

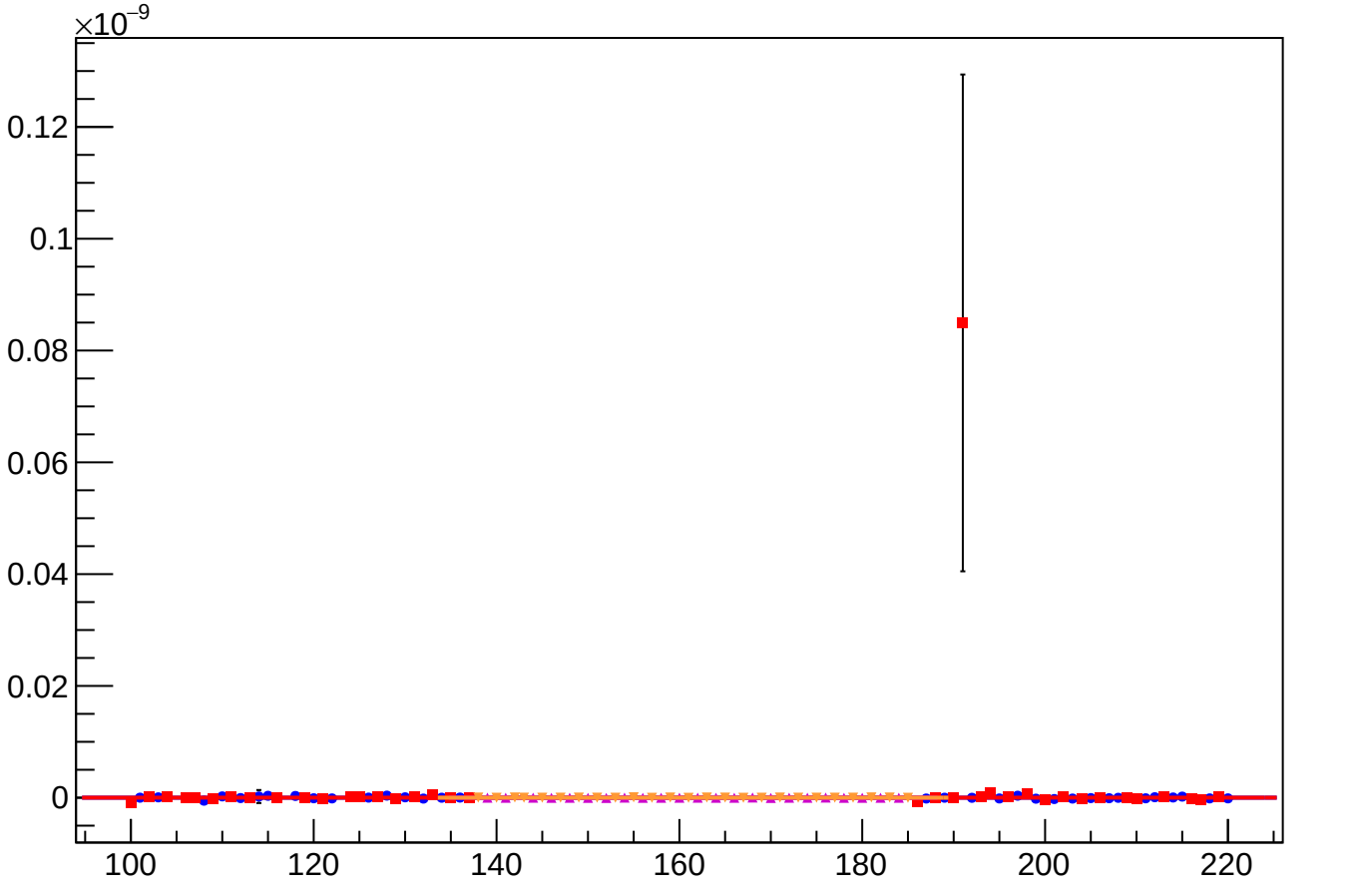
Right Out: 1868.082+/-0.291 χ^2/NDF: 1060084.3/36

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1551.248+/-0.175 χ^2/NDF: 2637542.7/57

All: 1555.838+/-0.125 χ^2/NDF: 5564208.8/11

- sign 1560.607+/-0.179 χ^2/NDF: 2925271.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

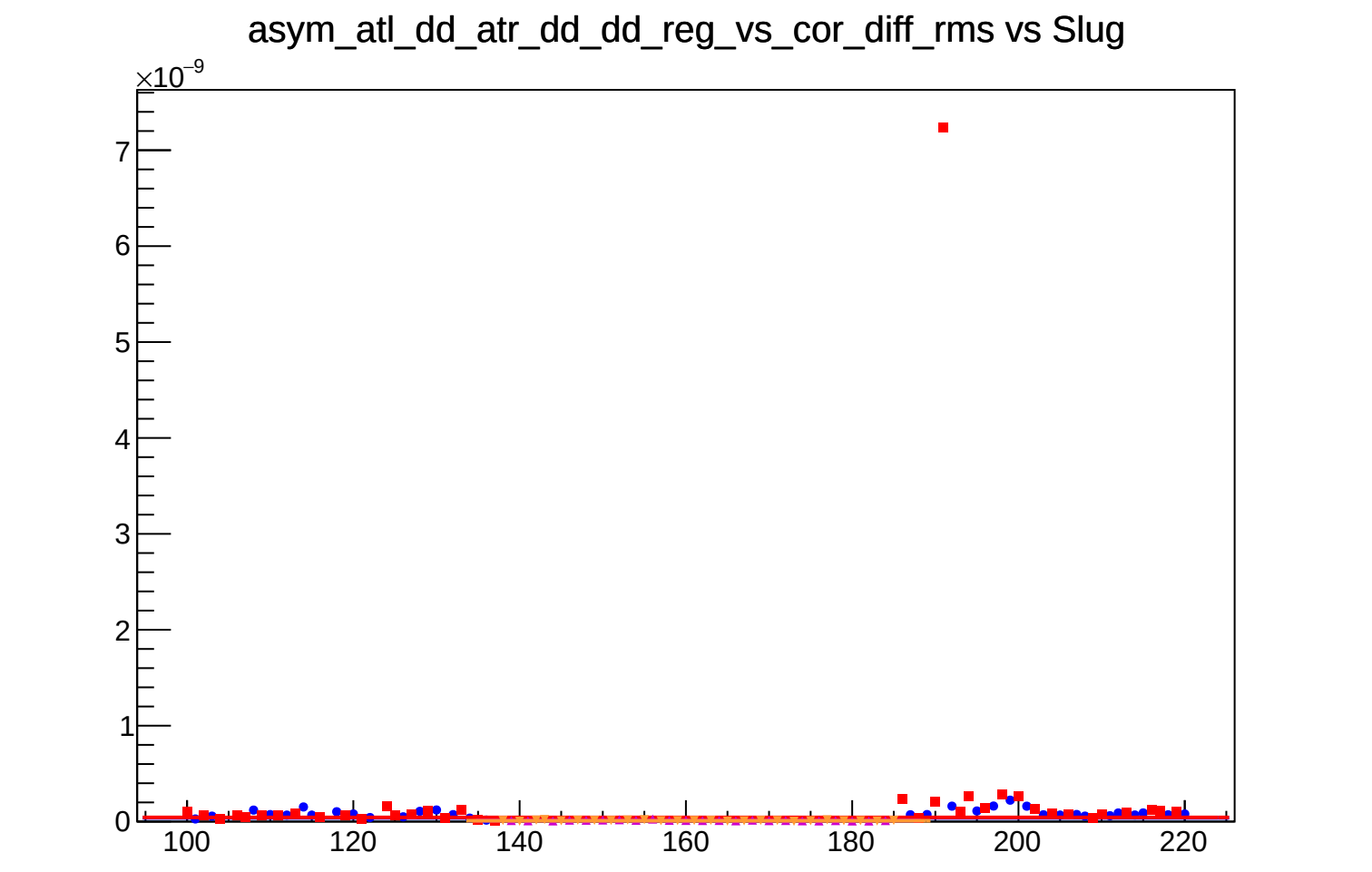
Right Out: 0.000+/-0.000 χ^2/NDF: 58.3/36

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.9/57

All: 0.000+/-0.000 χ^2/NDF: 126.7/117

- sign -0.000+/-0.000 χ^2/NDF: 72.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 7339683.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

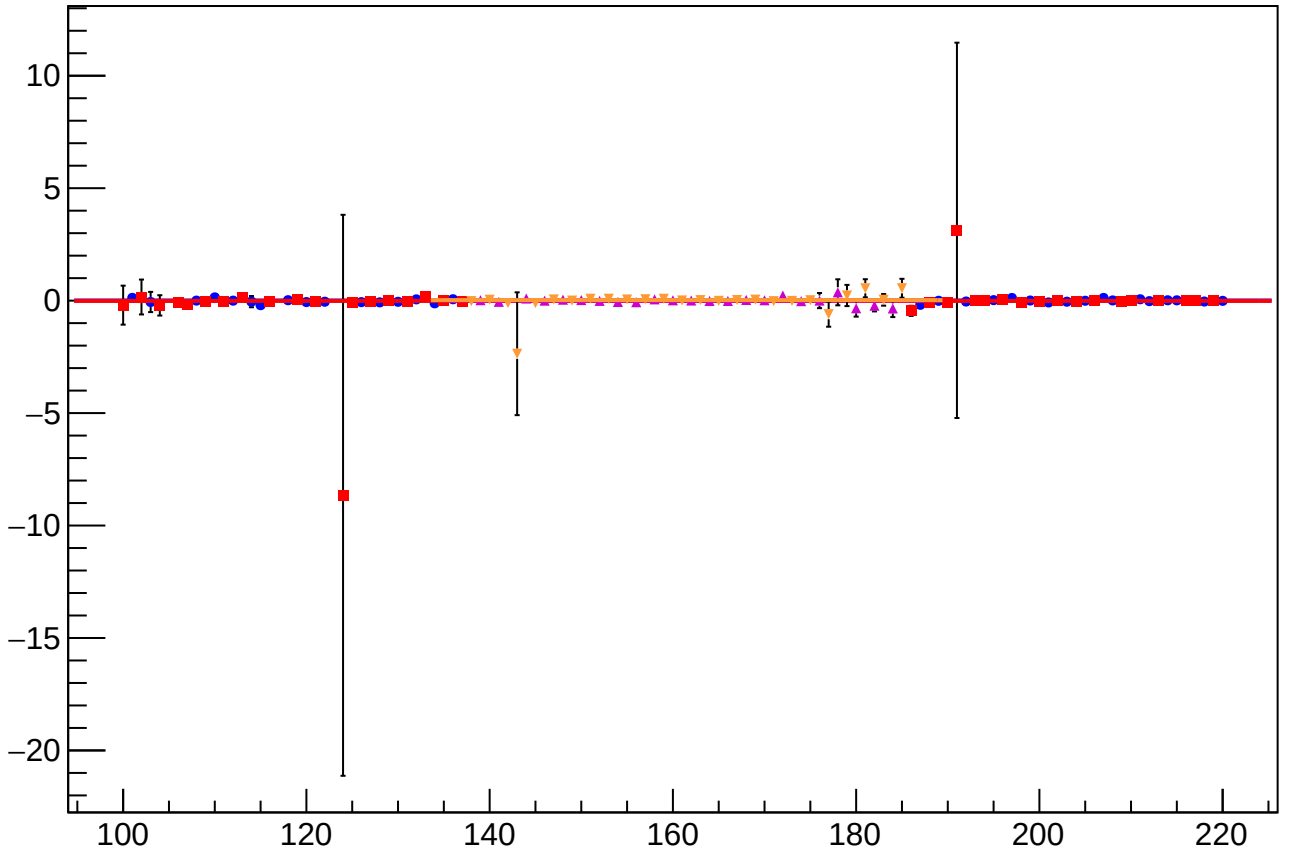
Right Out: 0.000+/-0.000 χ^2/NDF: 7896660.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15958542.0/57

All: 0.000+/-0.000 χ^2/NDF: 31293634.6/117

- sign 0.000+/-0.000 χ^2/NDF: 15062116.3/59



Right In: 0.005+/-0.008 χ^2/NDF: 48.5/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.011+/-0.008 χ^2/NDF: 24.5/36

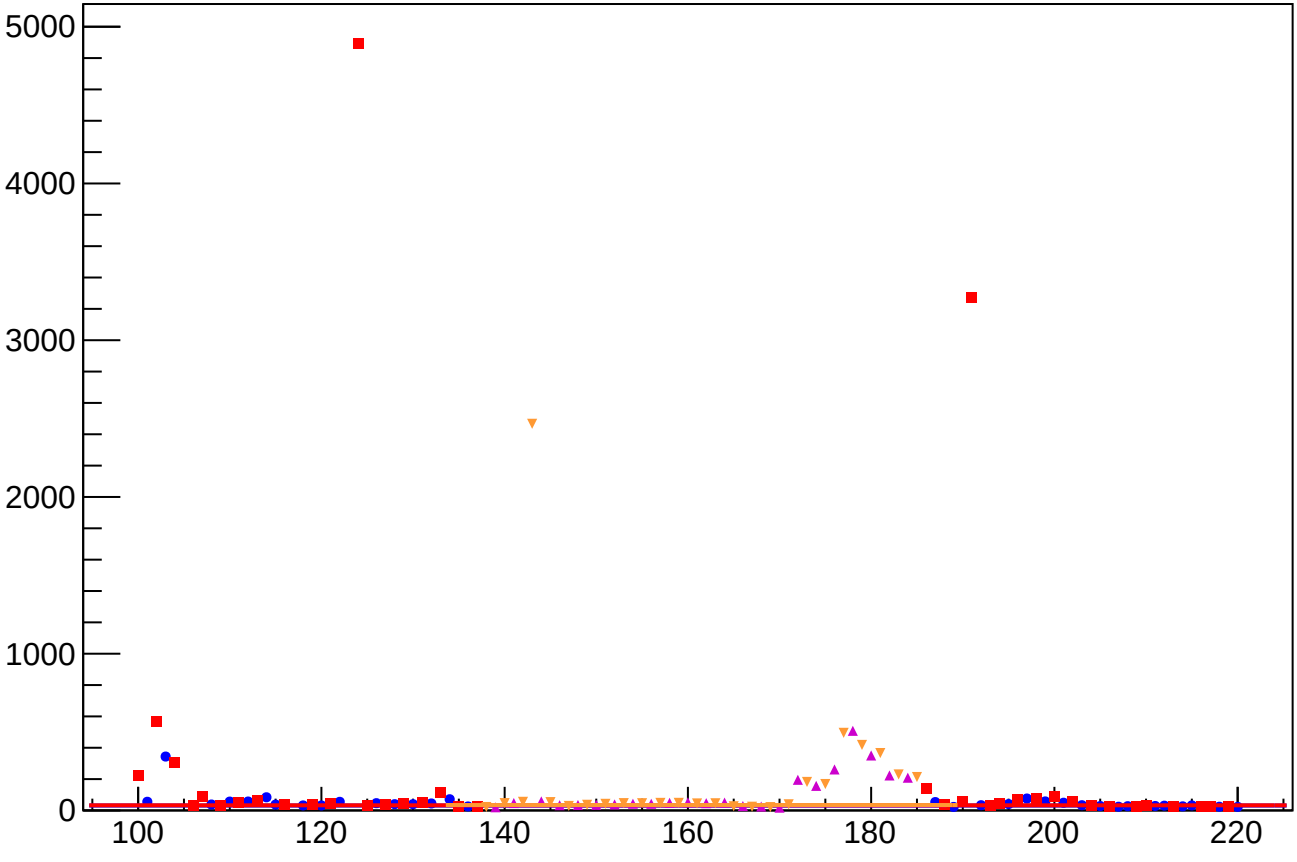
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.012+/-0.006 χ^2/NDF: 73.4/57

All: 0.005+/-0.004 χ^2/NDF: 117.7/117

- sign -0.002+/-0.006 χ^2/NDF: 41.8/59

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.239+/-0.006 χ^2/NDF: 4174419.1/32

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

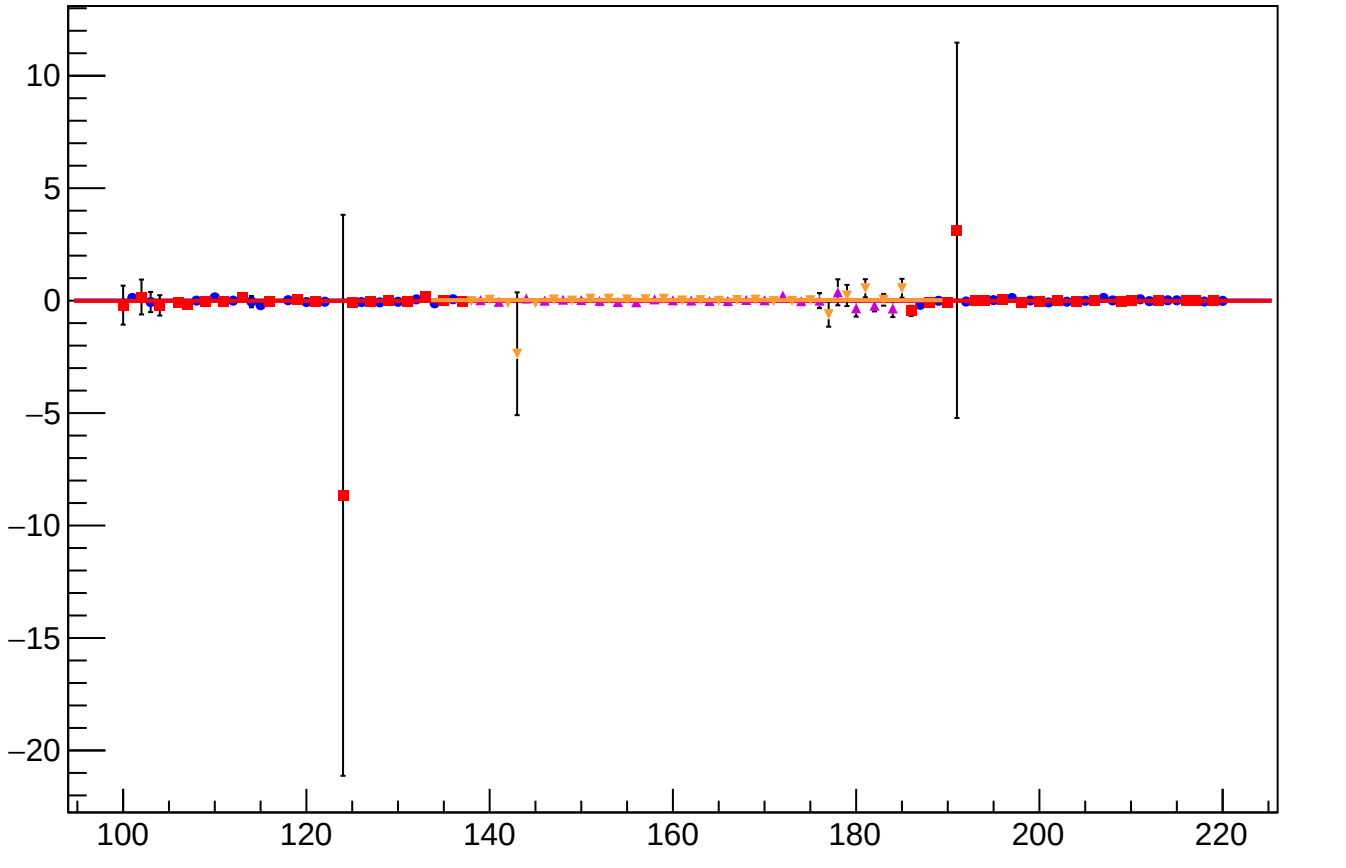
Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 32.496+/-0.004 χ^2/NDF: 15715152.7/57

All: 32.817+/-0.003 χ^2/NDF: 32662720.0/117

- sign 33.162+/-0.005 χ^2/NDF: 16936500.7/59



Right In: 0.005+/-0.008 χ^2/NDF: 48.5/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

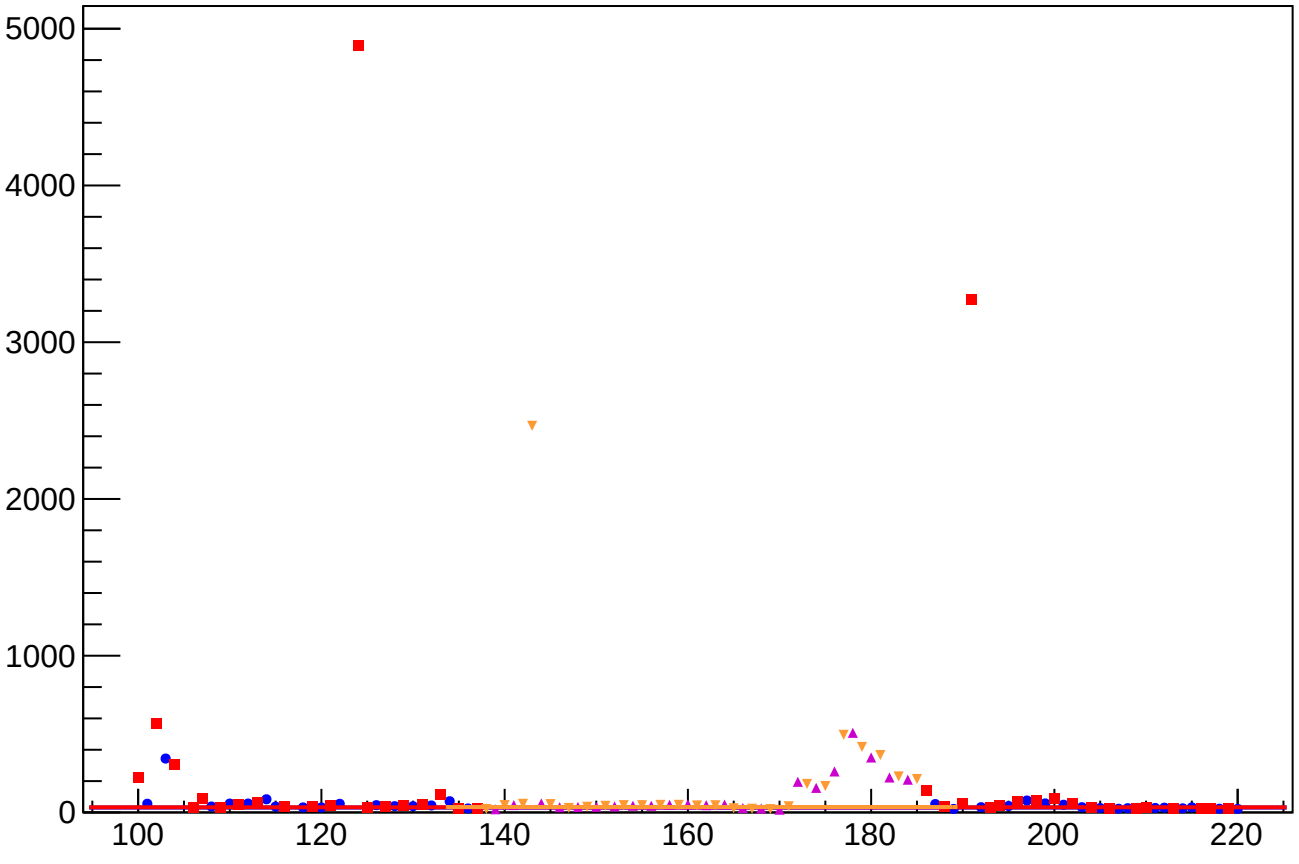
Right Out: -0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.012+/-0.006 χ^2/NDF: 73.4/57

All: 0.005+/-0.004 χ^2/NDF: 117.7/117

- sign -0.002+/-0.006 χ^2/NDF: 41.8/59



Right In: 31.239+/-0.006 χ^2/NDF: 4174419.1/32

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

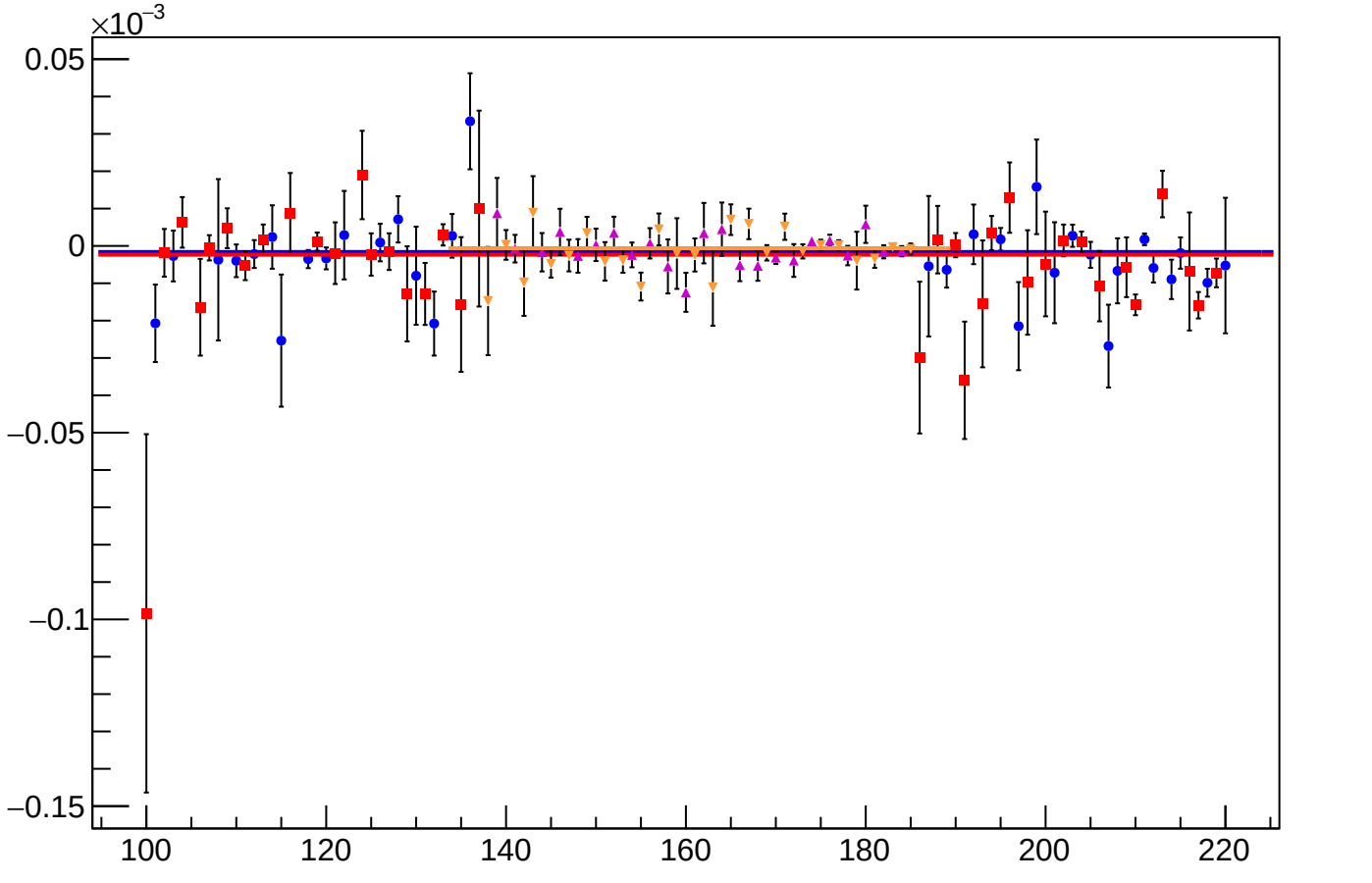
Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 32.496+/-0.004 χ^2/NDF: 15715152.7/57

All: 32.817+/-0.003 χ^2/NDF: 32662720.0/117

- sign 33.162+/-0.005 χ^2/NDF: 16936500.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 50.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

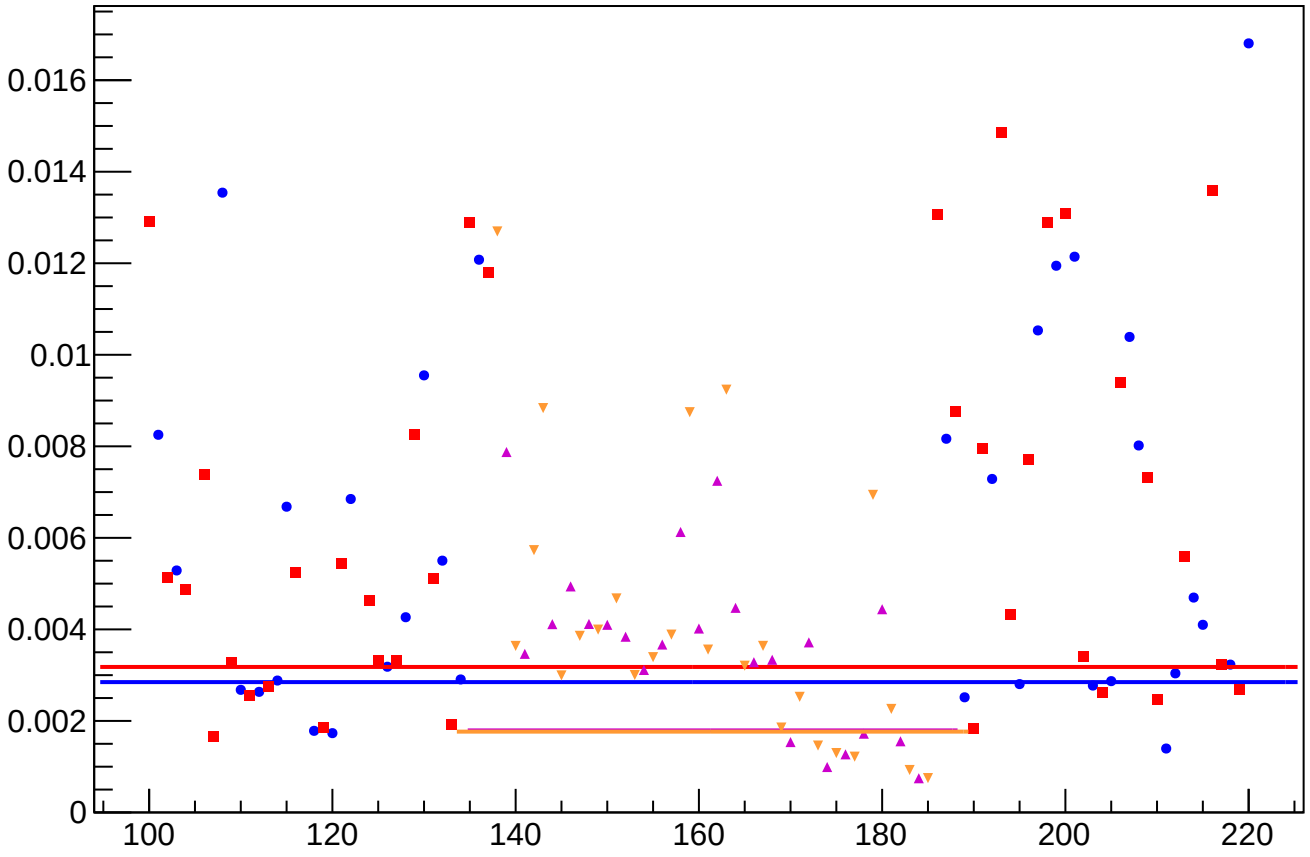
Right Out: -0.000+/-0.000 χ^2/NDF: 85.6/36

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.7/57

All: -0.000+/-0.000 χ^2/NDF: 190.2/117

- sign -0.000+/-0.000 χ^2/NDF: 110.4/59



Right In: 0.003+/-0.000 χ^2/NDF: 12735704.0/32

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

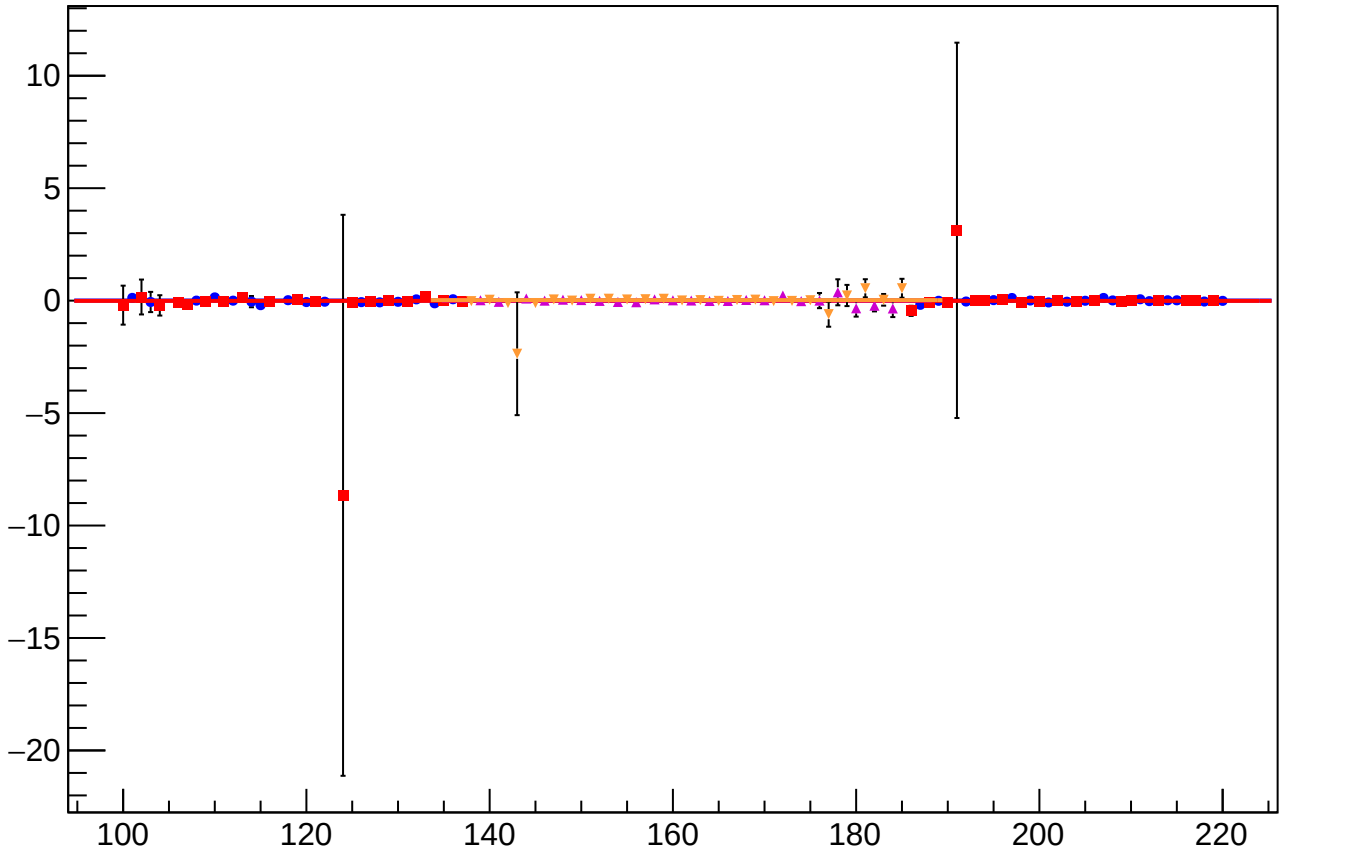
Right Out: 0.003+/-0.000 χ^2/NDF: 11631328.0/36

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 28333870.6/57

All: 0.002+/-0.000 χ^2/NDF: 54646556.8/117

- sign 0.002+/-0.000 χ^2/NDF: 26245327.7/59



Right In: 0.005+/-0.008 χ^2/NDF: 48.6/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

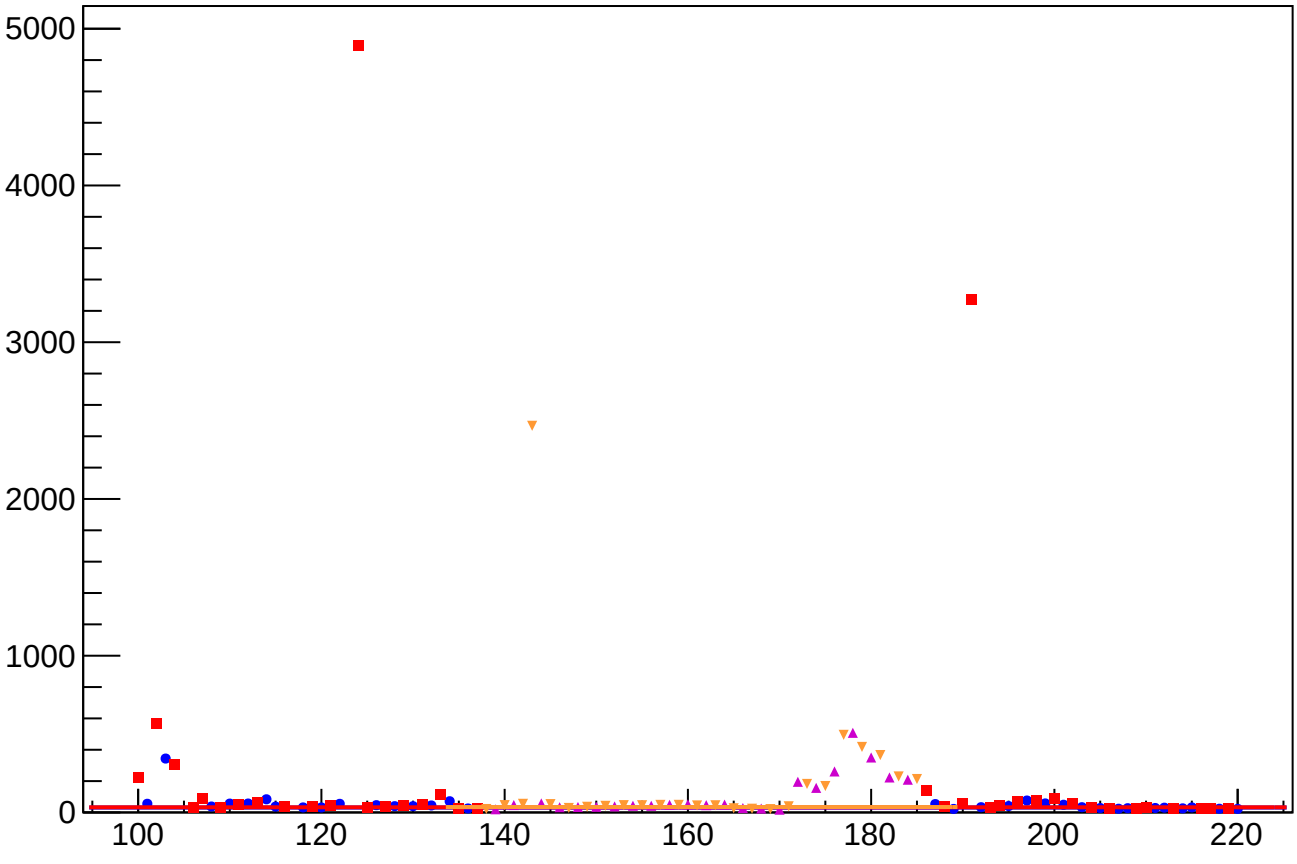
Right Out: -0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.012+/-0.006 χ^2/NDF: 73.4/57

All: 0.005+/-0.004 χ^2/NDF: 117.7/117

- sign -0.002+/-0.006 χ^2/NDF: 41.8/59



Right In: 31.241+/-0.006 χ^2/NDF: 4173311.4/32

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

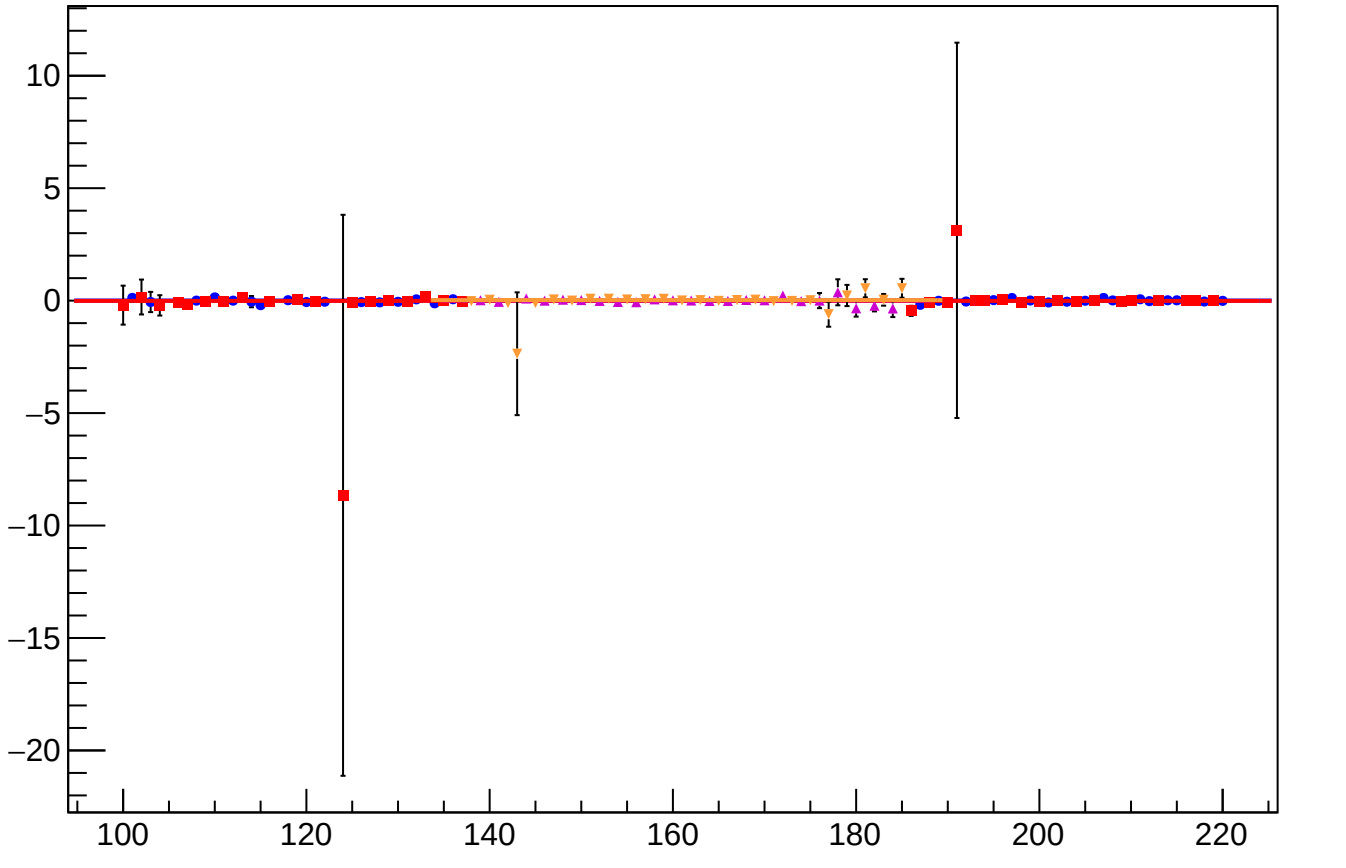
Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 32.497+/-0.004 χ^2/NDF: 15713905.7/57

All: 32.818+/-0.003 χ^2/NDF: 32660175.2/117

- sign 33.163+/-0.005 χ^2/NDF: 16935201.8/59



Right In: 0.005+/-0.008 χ^2/NDF: 48.6/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

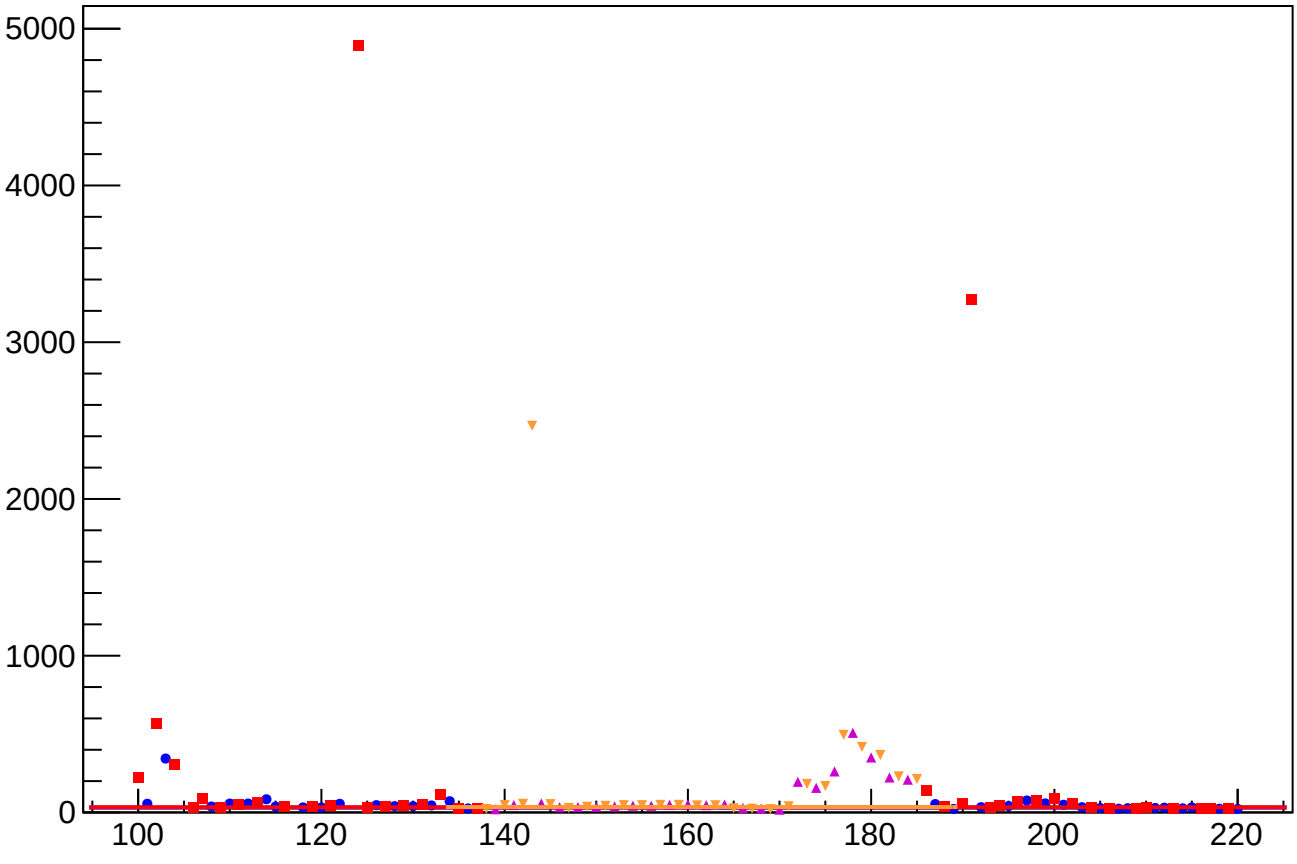
Right Out: -0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.012+/-0.006 χ^2/NDF: 73.4/57

All: 0.005+/-0.004 χ^2/NDF: 117.7/117

- sign -0.002+/-0.006 χ^2/NDF: 41.8/59



Right In: 31.241+/-0.006 χ^2/NDF: 4173311.4/32

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

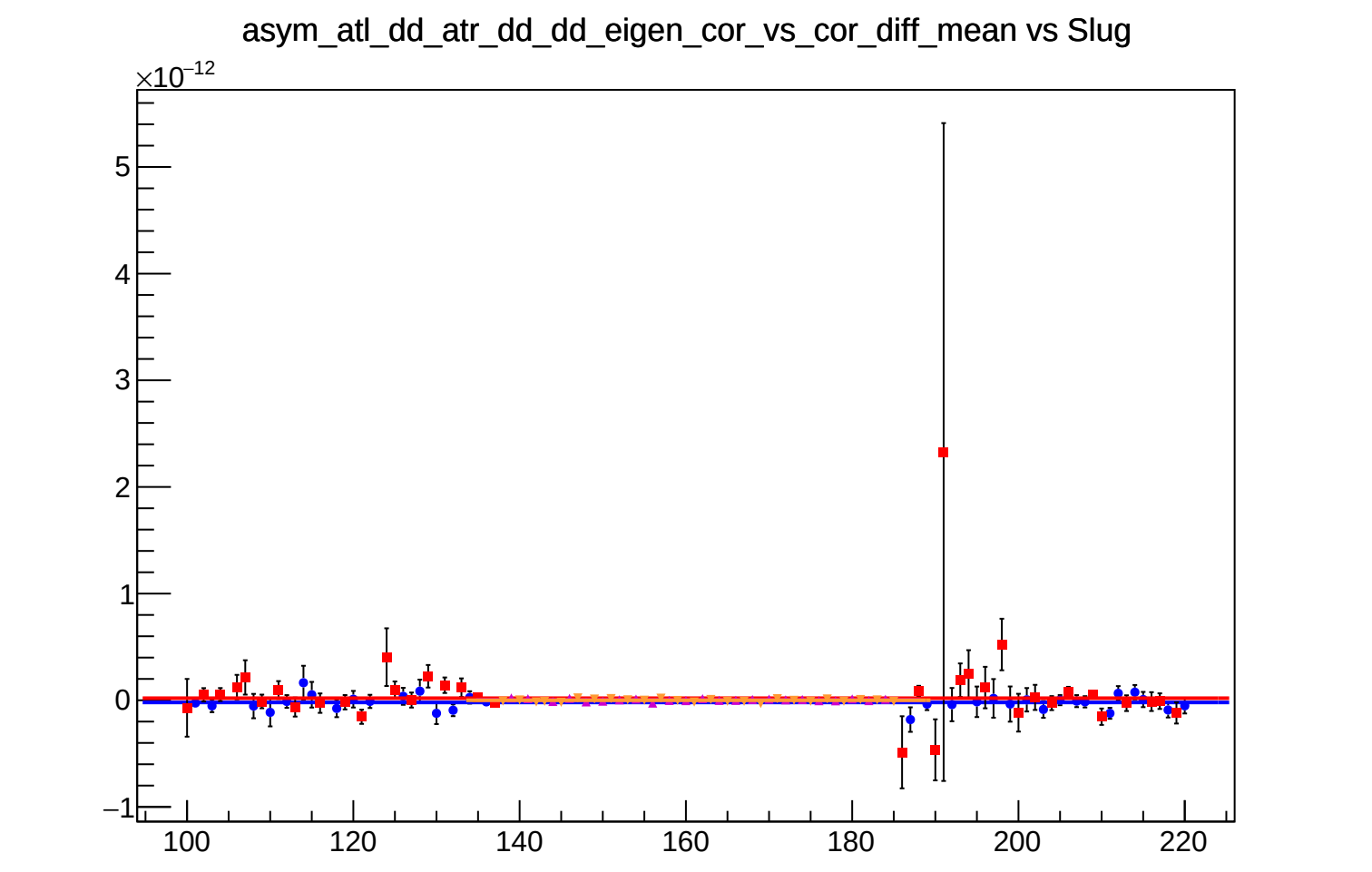
Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 32.497+/-0.004 χ^2/NDF: 15713905.7/57

All: 32.818+/-0.003 χ^2/NDF: 32660175.2/117

- sign 33.163+/-0.005 χ^2/NDF: 16935201.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

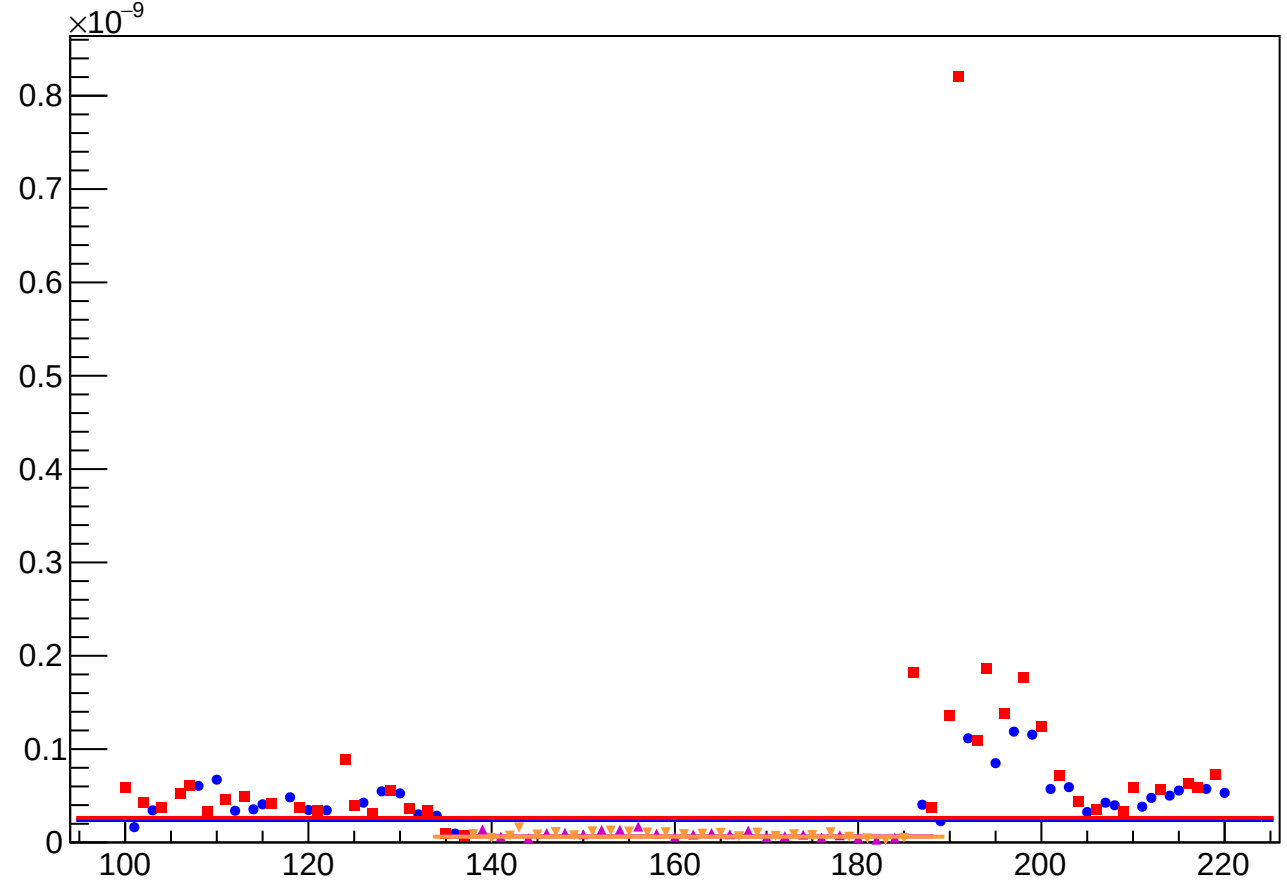
Right Out: 0.000+/-0.000 χ^2/NDF: 52.8/36

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.7/57

All: 0.000+/-0.000 χ^2/NDF: 129.8/117

- sign 0.000+/-0.000 χ^2/NDF: 75.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 9334034.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

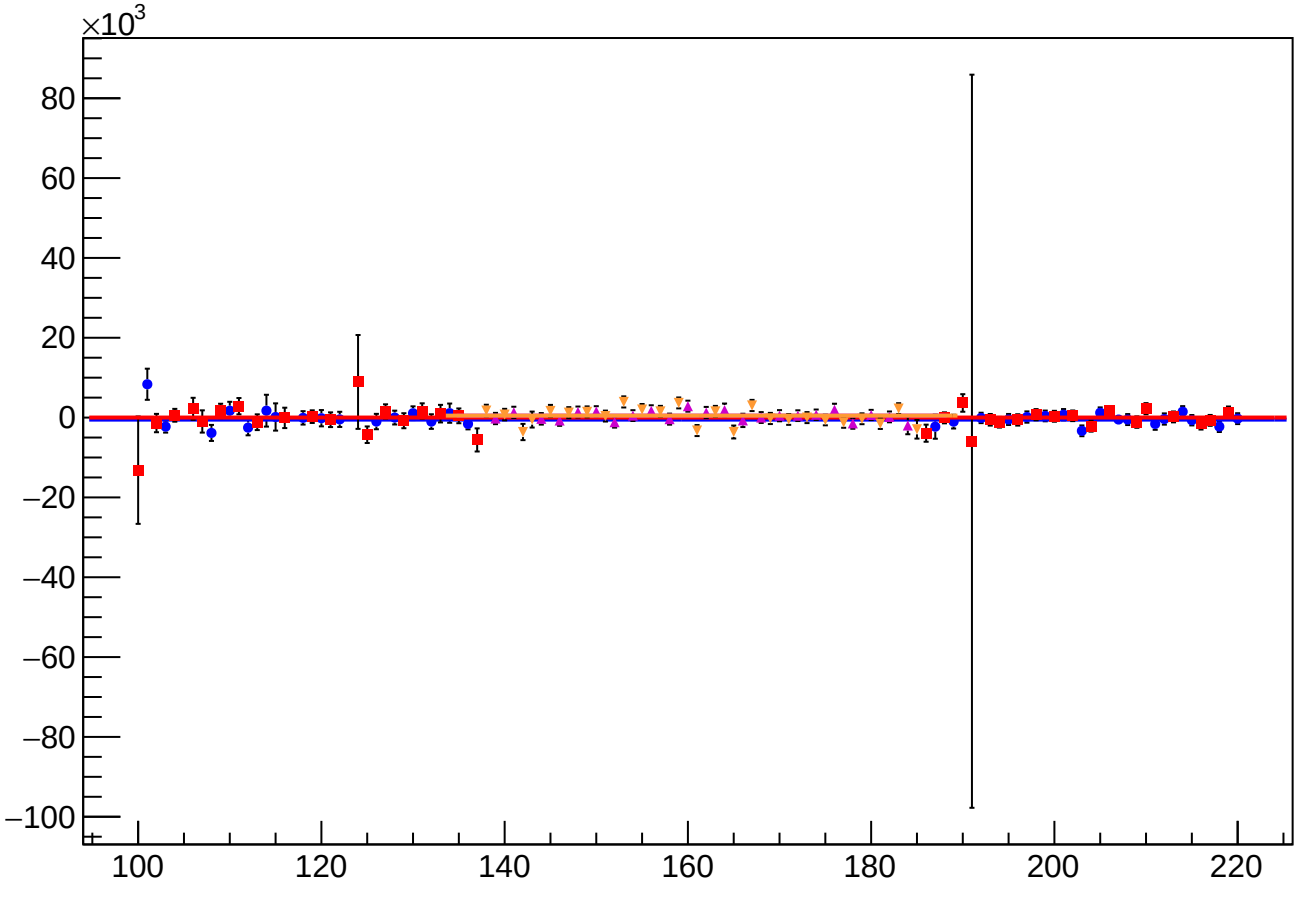
Right Out: 0.000+/-0.000 χ^2/NDF: 11712452.7/36

Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 22563169.4/57

All: 0.000+/-0.000 χ^2/NDF: 46432495.9/117

- sign 0.000+/-0.000 χ^2/NDF: 23850212.2/59



Right In: -508.315+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 10.411+/-281.970 χ^2/NDF: 33.5/36

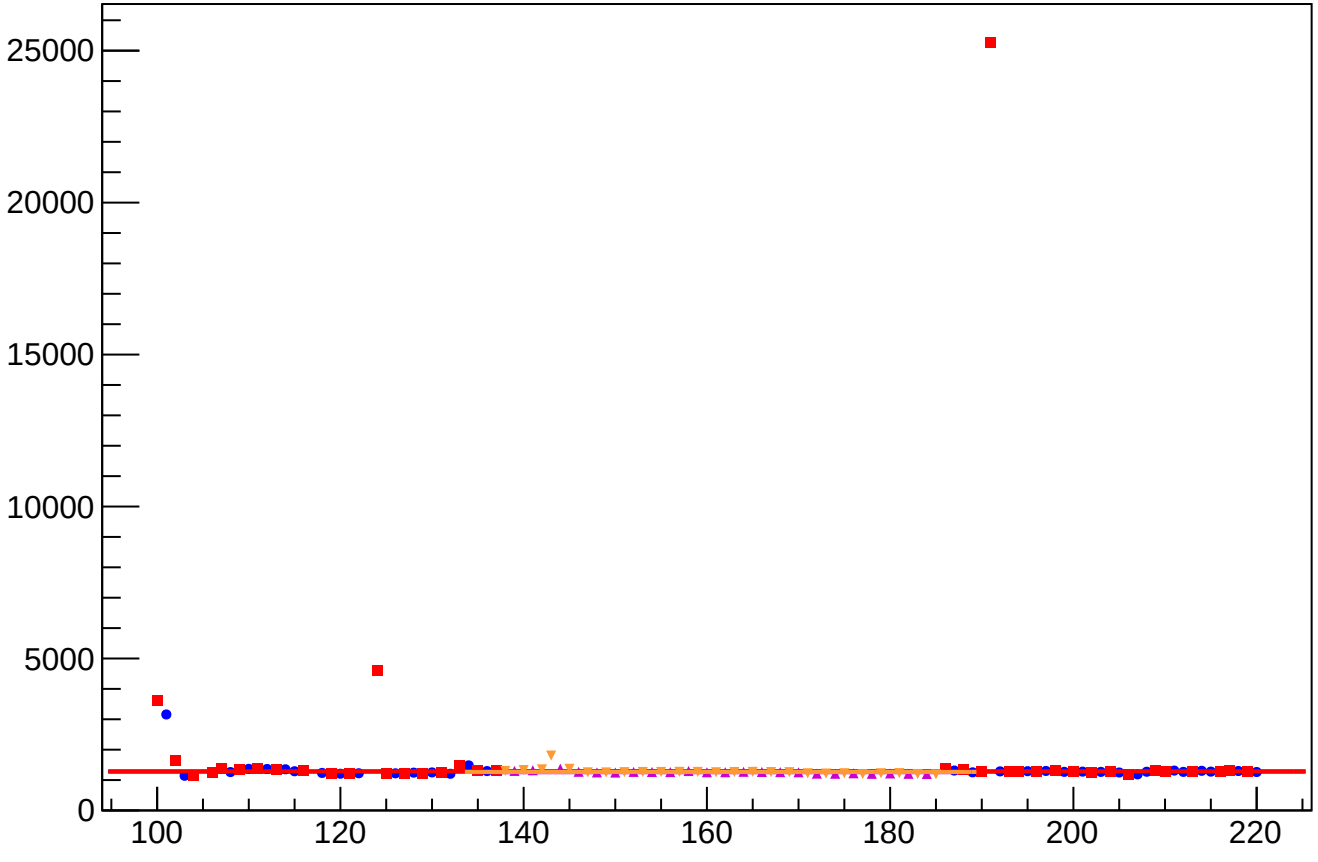
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

\+ sign -22.136+/-201.120 χ^2/NDF: 79.3/57

All: 106.873+/-143.022 χ^2/NDF: 129.4/117

\- sign 238.857+/-203.426 χ^2/NDF: 49.3/59

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1278.918+/-0.198 χ^2/NDF: 530826.5/32

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

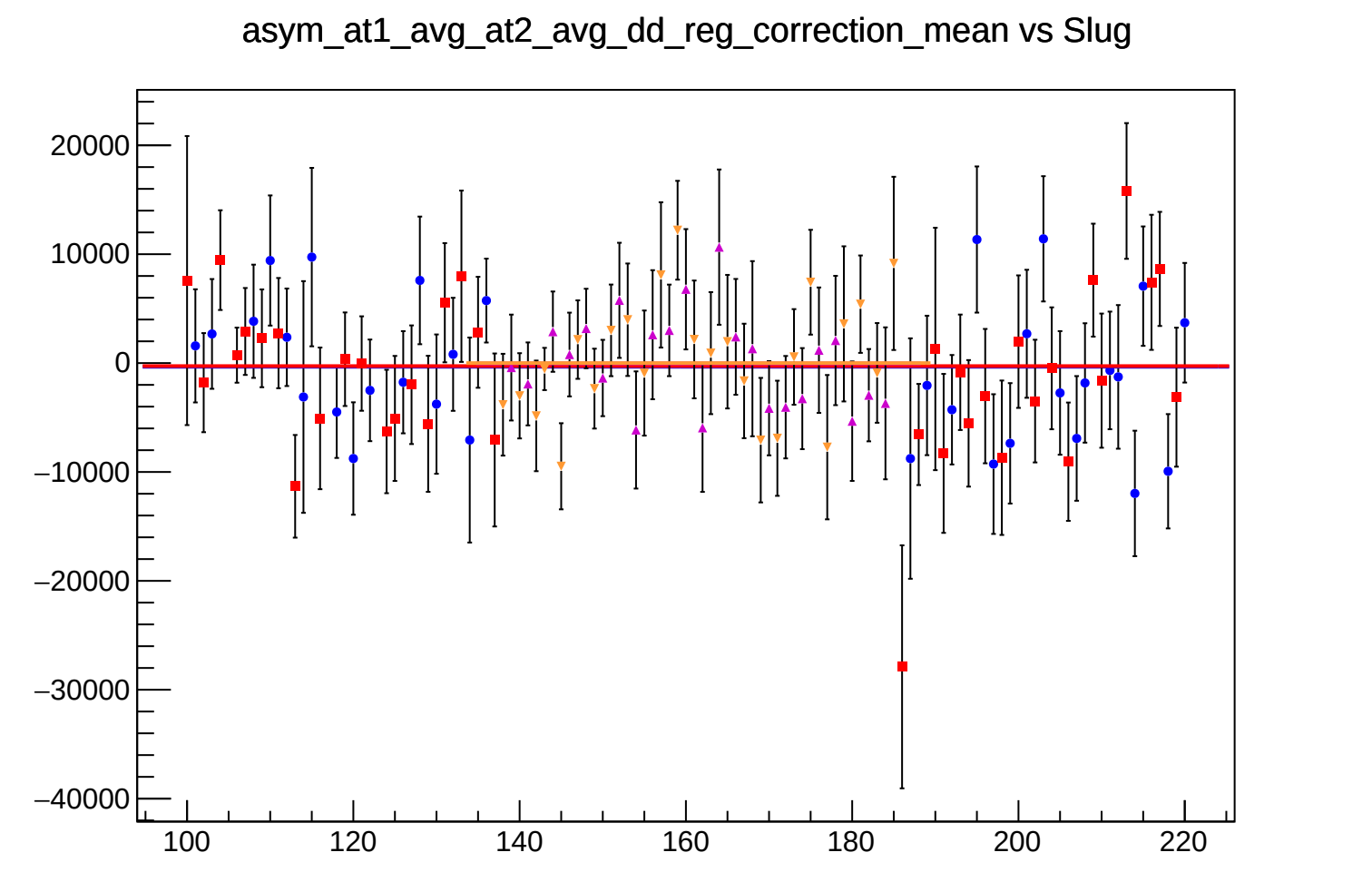
Right Out: 1288.492+/-0.199 χ^2/NDF: 483574.3/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.110+/-0.142 χ^2/NDF: 720136.0/57

All: 1273.386+/-0.101 χ^2/NDF: 1252091.1/11

- sign 1273.669+/-0.144 χ^2/NDF: 531947.5/59



Right In: -338.252+/-969.086 χ^2/NDF: 38.5/32

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

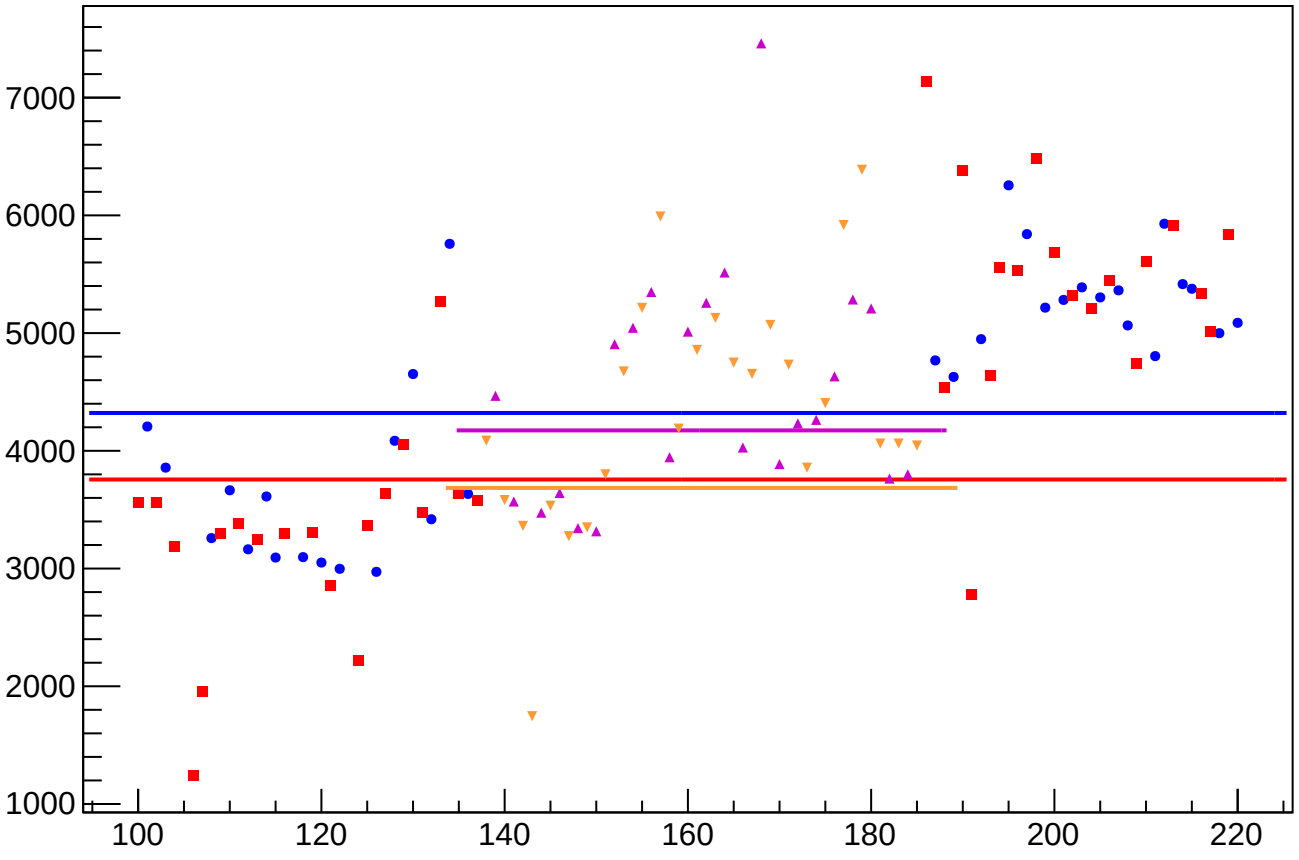
Right Out: -274.259+/-875.989 χ^2/NDF: 46.8/36

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign -154.428+/-654.097 χ^2/NDF: 67.7/57

All: -161.347+/-463.746 χ^2/NDF: 128.6/117

- sign -168.341+/-657.590 χ^2/NDF: 60.9/59



Right In: 4321.635+/-0.685 χ^2/NDF: 2116489.4/32

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3756.437+/-0.619 χ^2/NDF: 5567877.2/36

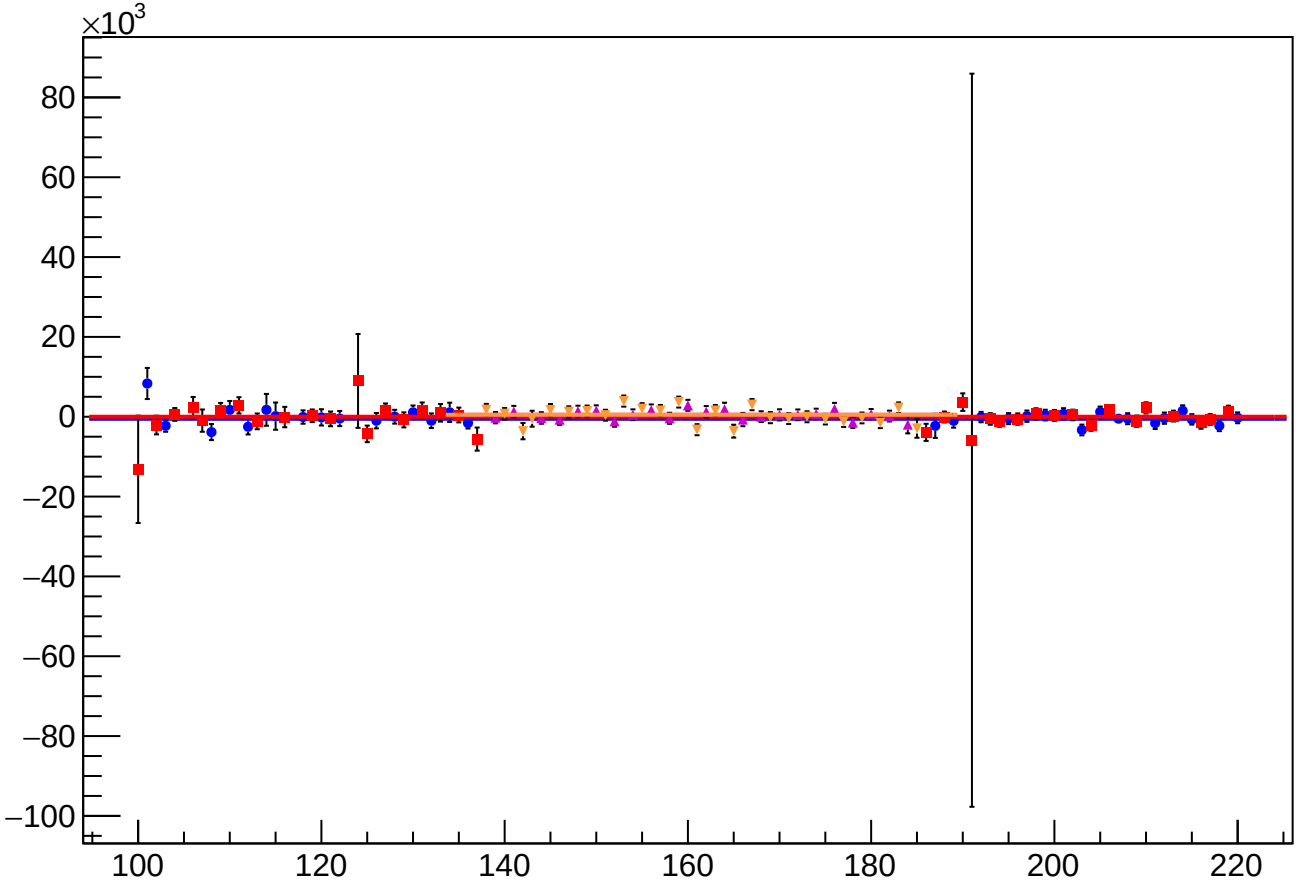
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3974.909+/-0.463 χ^2/NDF: 6280398.1/57

All: 3956.801+/-0.328 χ^2/NDF: 13324256.2/1

- sign 3938.499+/-0.465 χ^2/NDF: 7040776.2/59

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -508.439+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 0.721+/-282.033 χ^2/NDF: 33.9/36

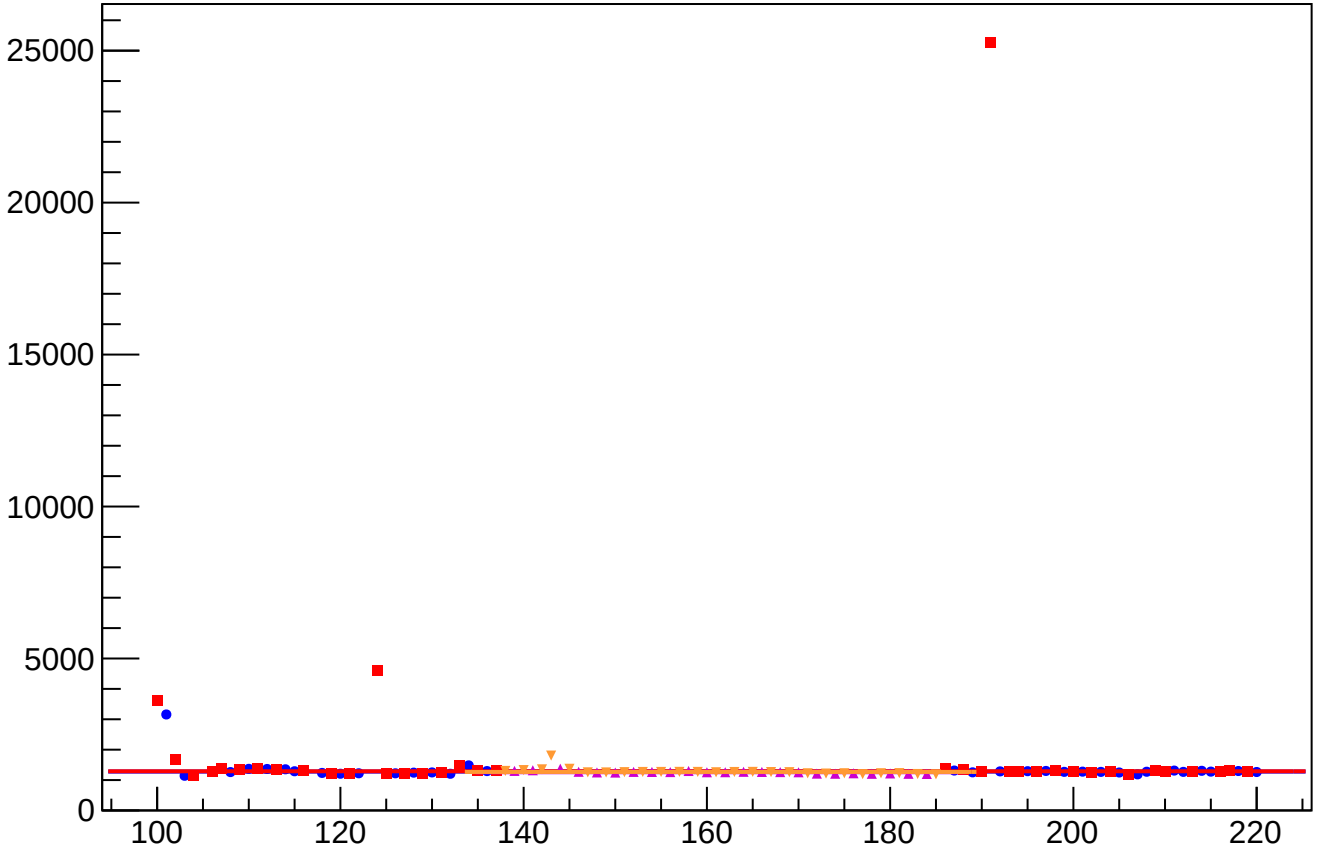
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -22.191+/-201.120 χ^2/NDF: 79.3/57

All: 104.339+/-143.030 χ^2/NDF: 129.9/117

- sign 233.819+/-203.450 χ^2/NDF: 49.8/59

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1278.917+/-0.198 χ^2/NDF: 530828.0/32

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

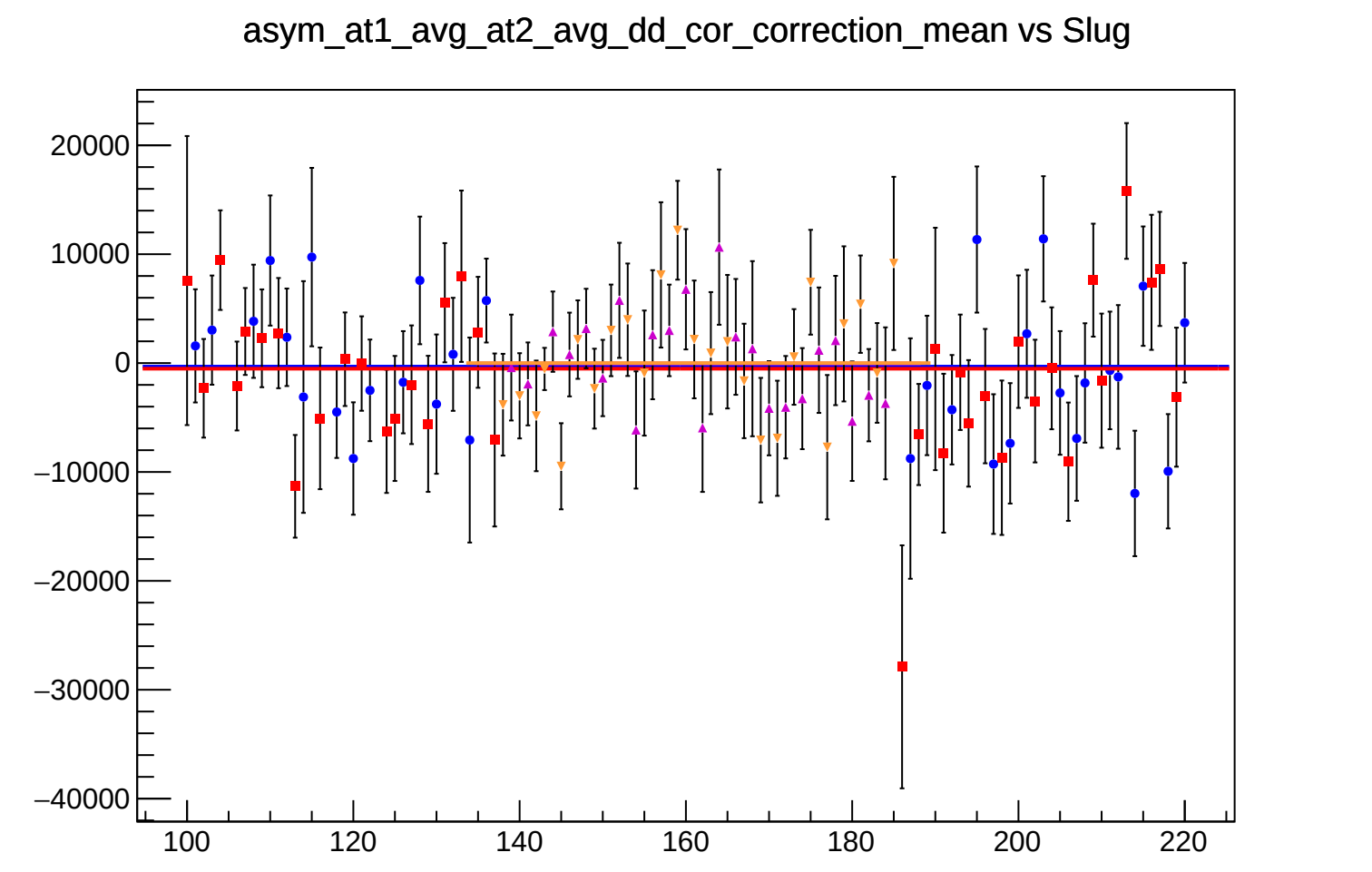
Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.110+/-0.142 χ^2/NDF: 720137.4/57

All: 1273.555+/-0.101 χ^2/NDF: 1259505.6/11

- sign 1274.010+/-0.144 χ^2/NDF: 539348.4/59



Right In: -324.066+/-968.908 χ^2/NDF: 38.6/32

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

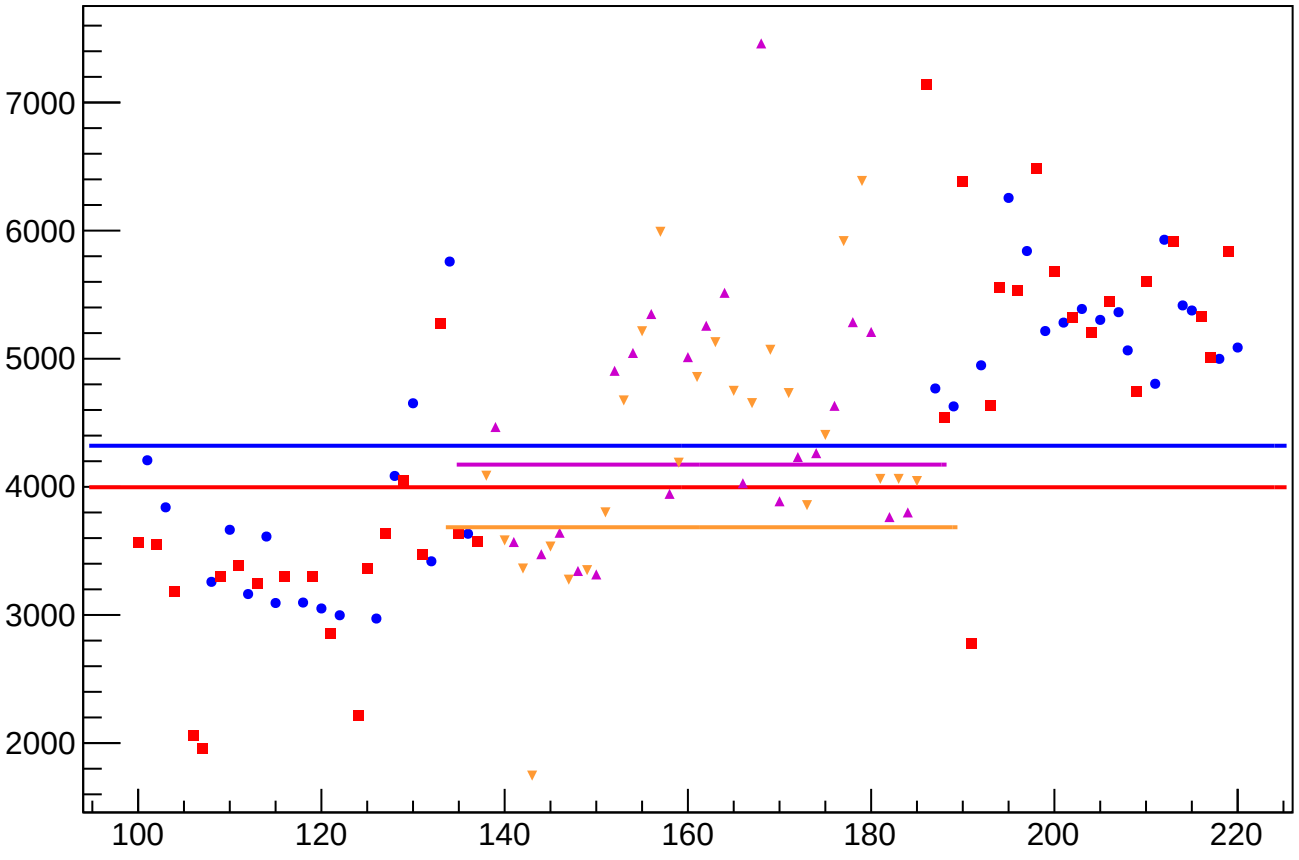
Right Out: -515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -147.960+/-654.042 χ^2/NDF: 67.7/57

All: -219.660+/-468.573 χ^2/NDF: 128.8/117

- sign -295.269+/-671.633 χ^2/NDF: 61.1/59



Right In: 4320.846+/-0.685 χ^2/NDF: 2117954.0/32

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

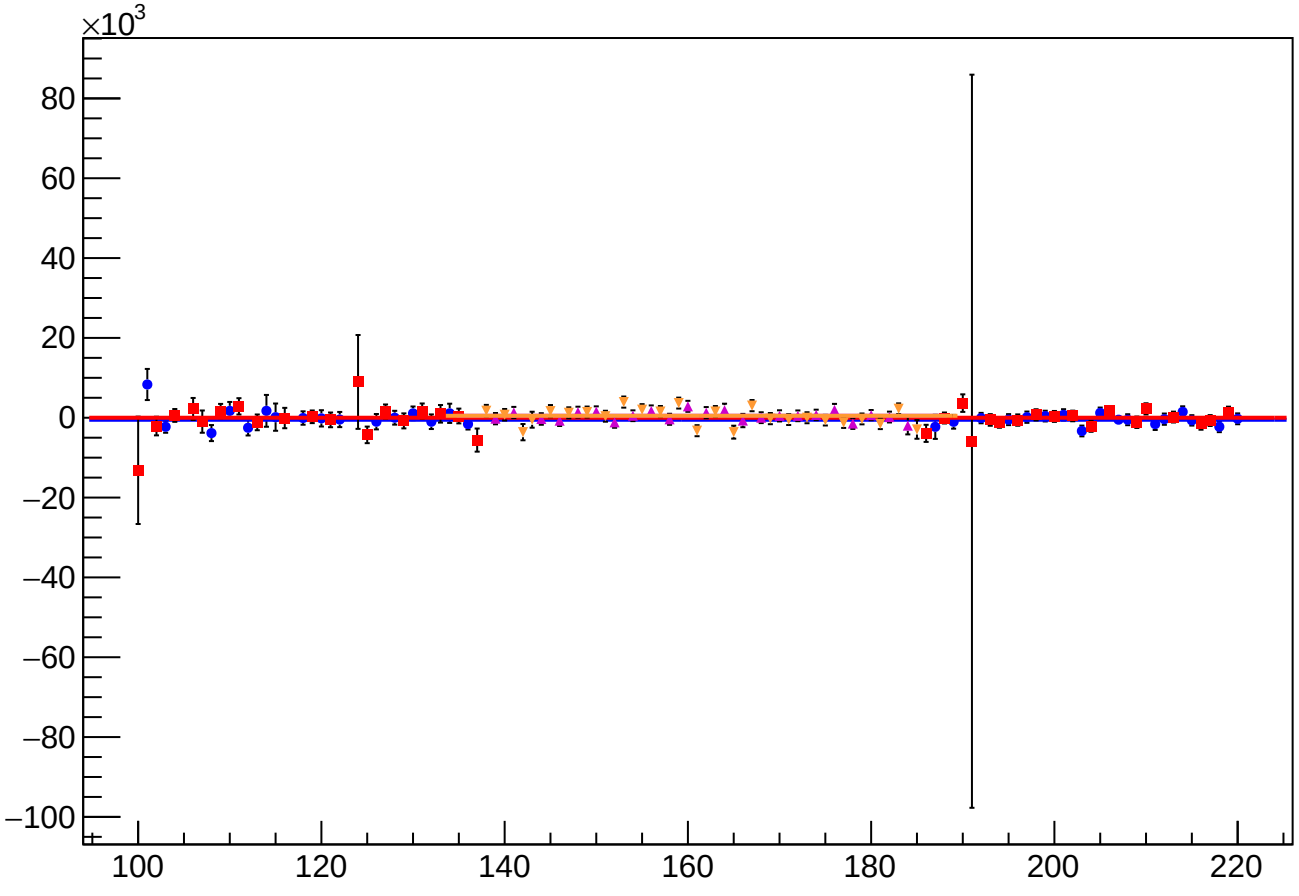
Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3974.603+/-0.462 χ^2/NDF: 6280844.1/57

All: 4024.598+/-0.331 χ^2/NDF: 11411367.7/1

\- sign 4077.317+/-0.475 χ^2/NDF: 5106515.0/59



Right In: -508.439+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 0.721+/-282.033 χ^2/NDF: 33.9/36

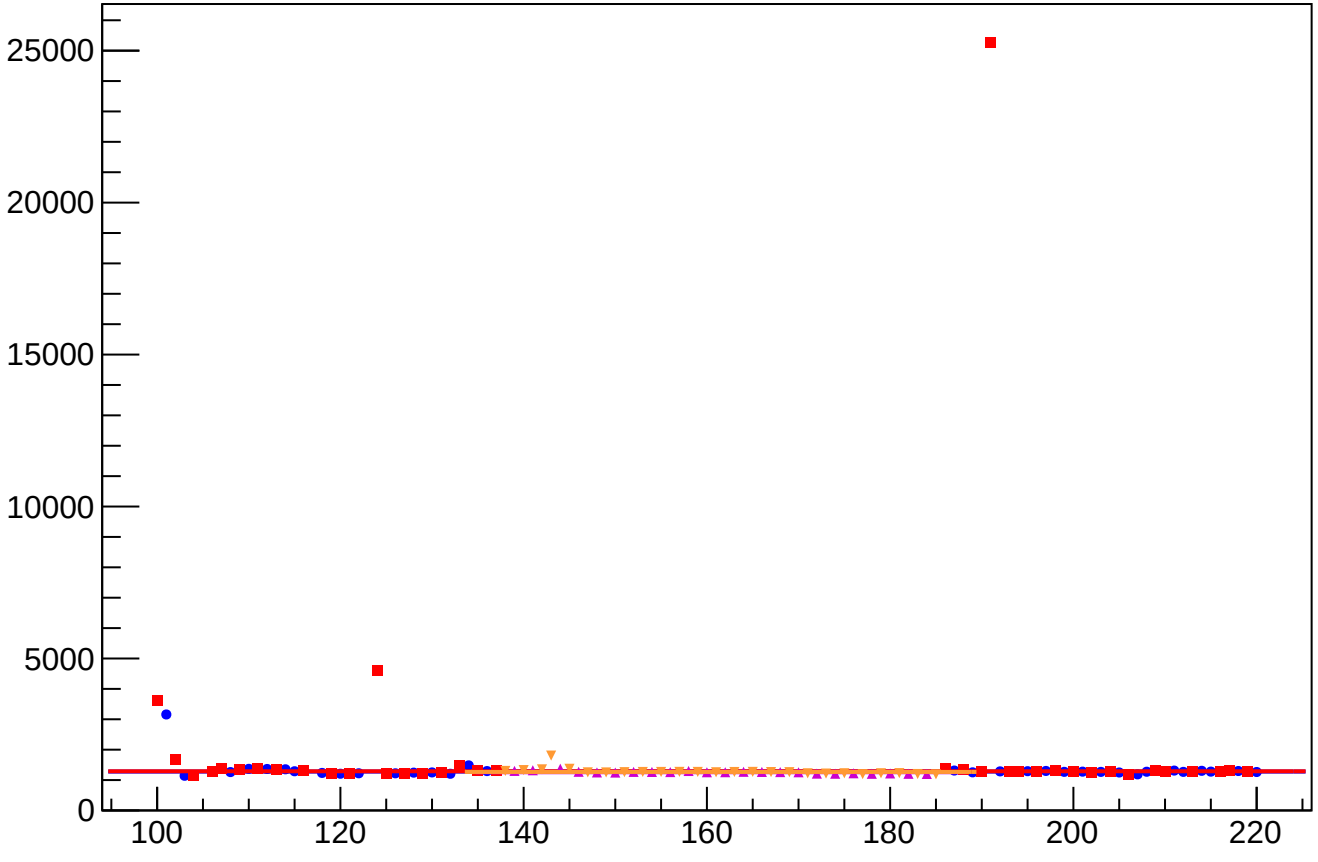
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

\+ sign -22.191+/-201.120 χ^2/NDF: 79.3/57

All: 104.339+/-143.030 χ^2/NDF: 129.9/117

\- sign 233.819+/-203.450 χ^2/NDF: 49.8/59

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1278.917+/-0.198 χ^2/NDF: 530828.0/32

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

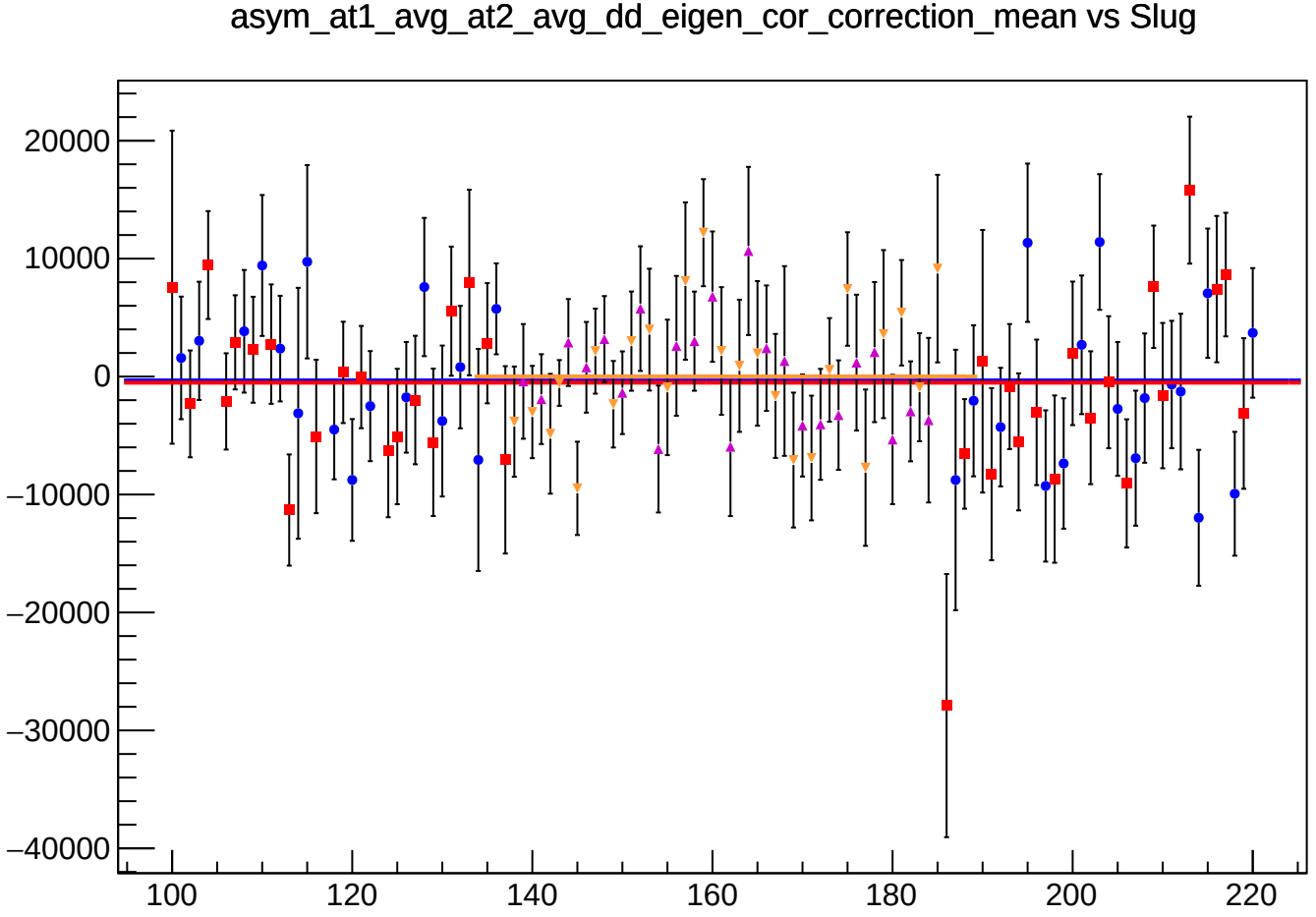
Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.110+/-0.142 χ^2/NDF: 720137.4/57

All: 1273.555+/-0.101 χ^2/NDF: 1259505.6/11

- sign 1274.010+/-0.144 χ^2/NDF: 539348.4/59



Right In: -324.066+/-968.908 χ^2/NDF: 38.6/32

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

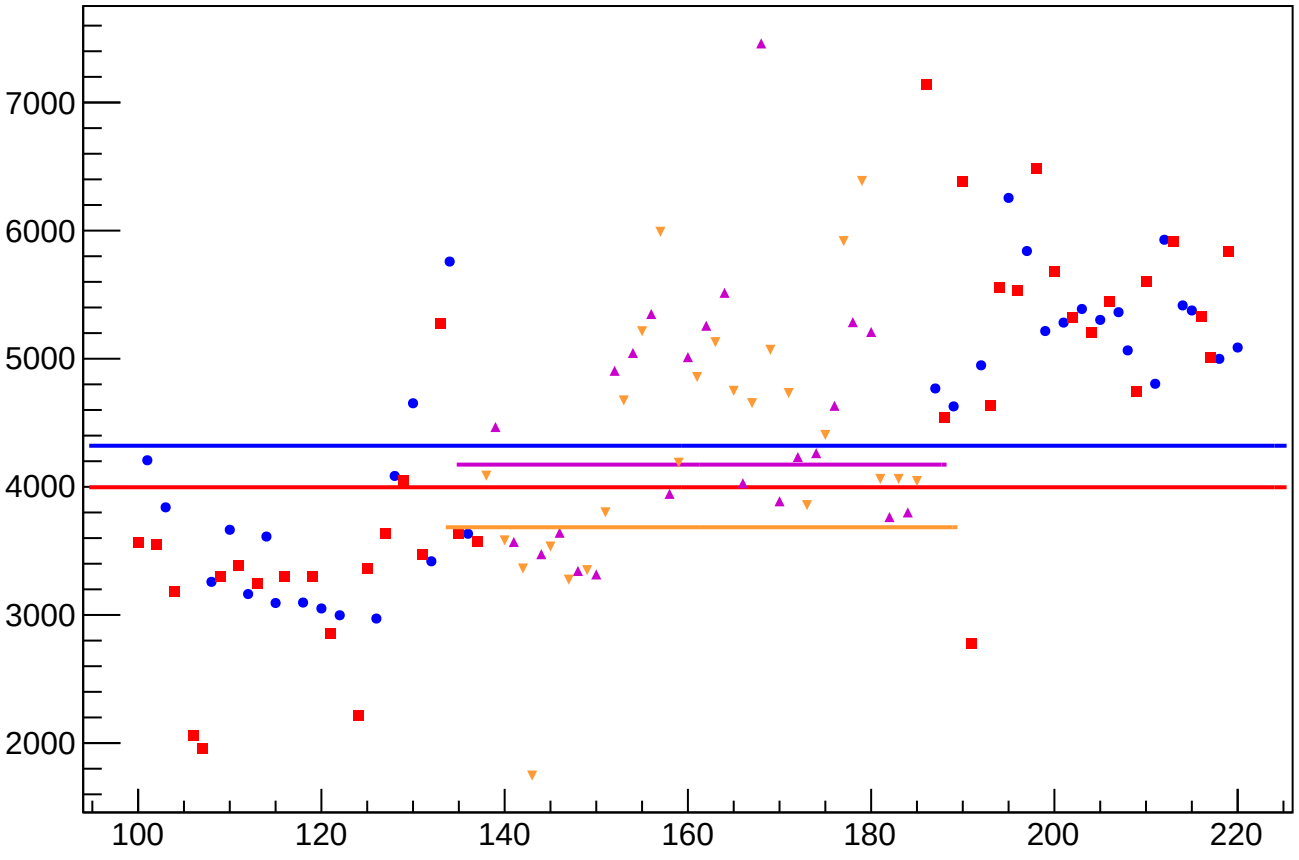
Right Out: -515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -147.960+/-654.042 χ^2/NDF: 67.7/57

All: -219.660+/-468.573 χ^2/NDF: 128.8/117

- sign -295.269+/-671.633 χ^2/NDF: 61.1/59



Right In: 4320.846+/-0.685 χ^2/NDF: 2117954.0/32

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

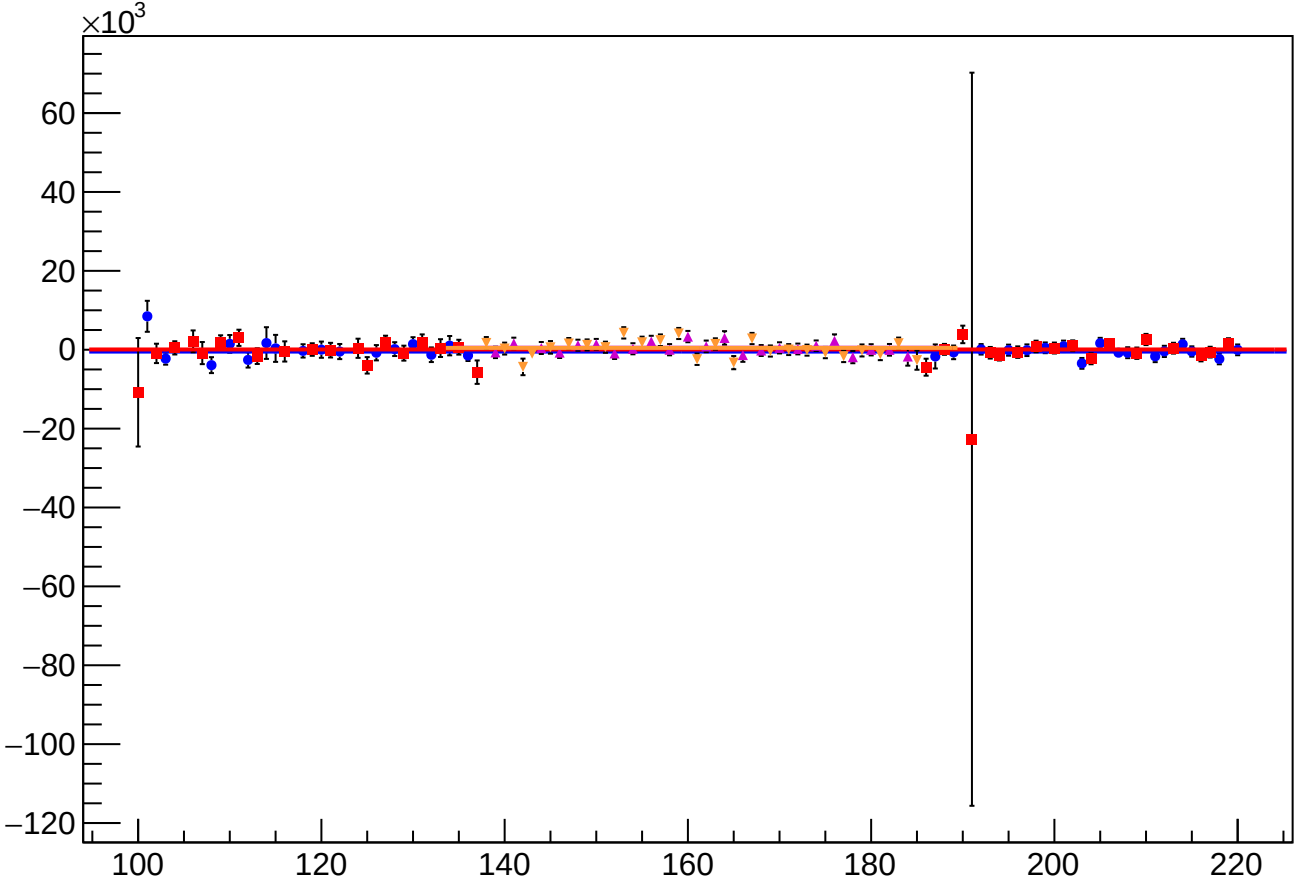
Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3974.603+/-0.462 χ^2/NDF: 6280844.1/57

All: 4024.598+/-0.331 χ^2/NDF: 11411367.7/1

- sign 4077.317+/-0.475 χ^2/NDF: 5106515.0/59



Right In: -470.448+/-283.880 χ^2/NDF: 27.7/32

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 66.239+/-284.065 χ^2/NDF: 35.1/36

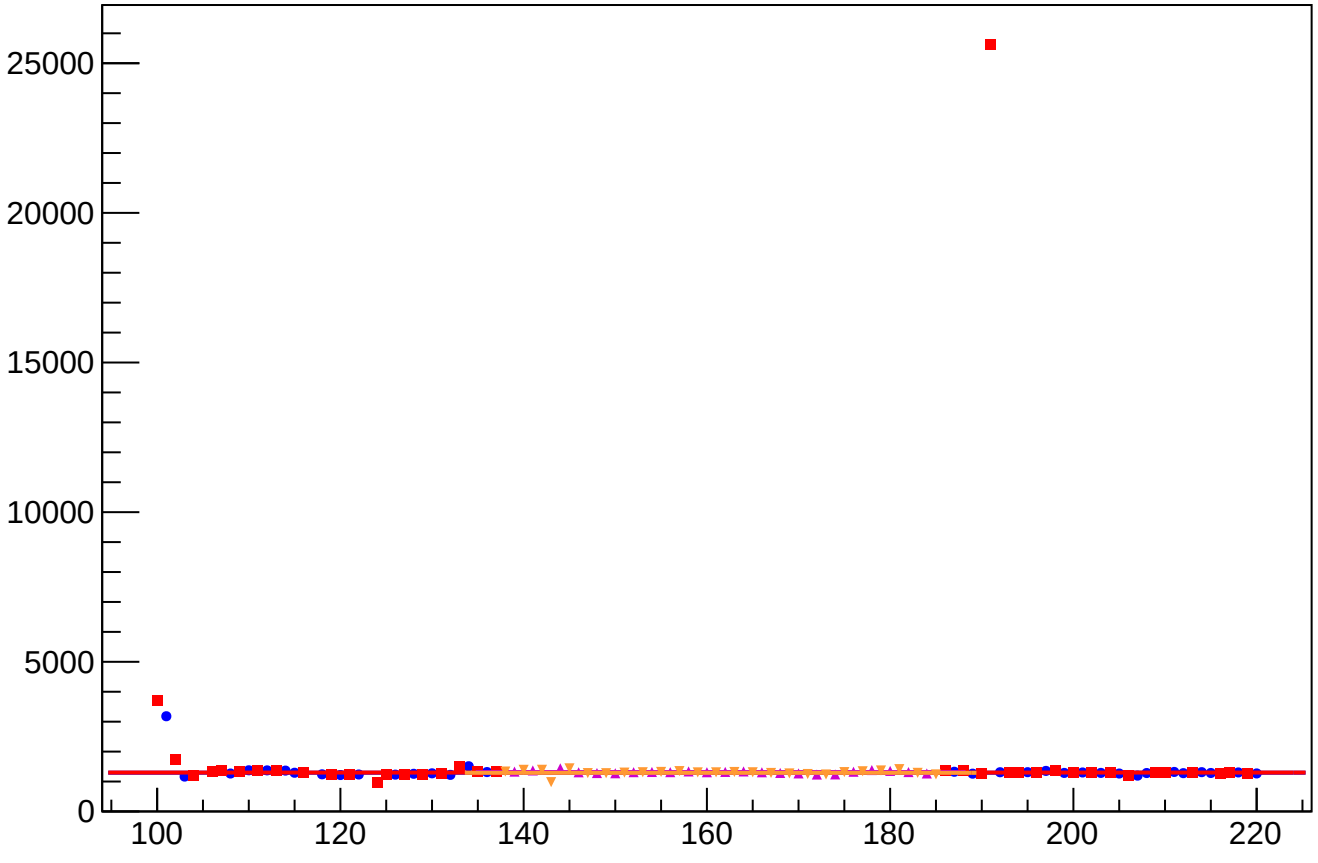
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign -18.098+/-204.303 χ^2/NDF: 77.0/57

All: 121.989+/-145.932 χ^2/NDF: 131.6/117

\- sign 267.916+/-208.519 χ^2/NDF: 53.6/59

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1294.108+/-0.201 χ^2/NDF: 530919.3/32

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

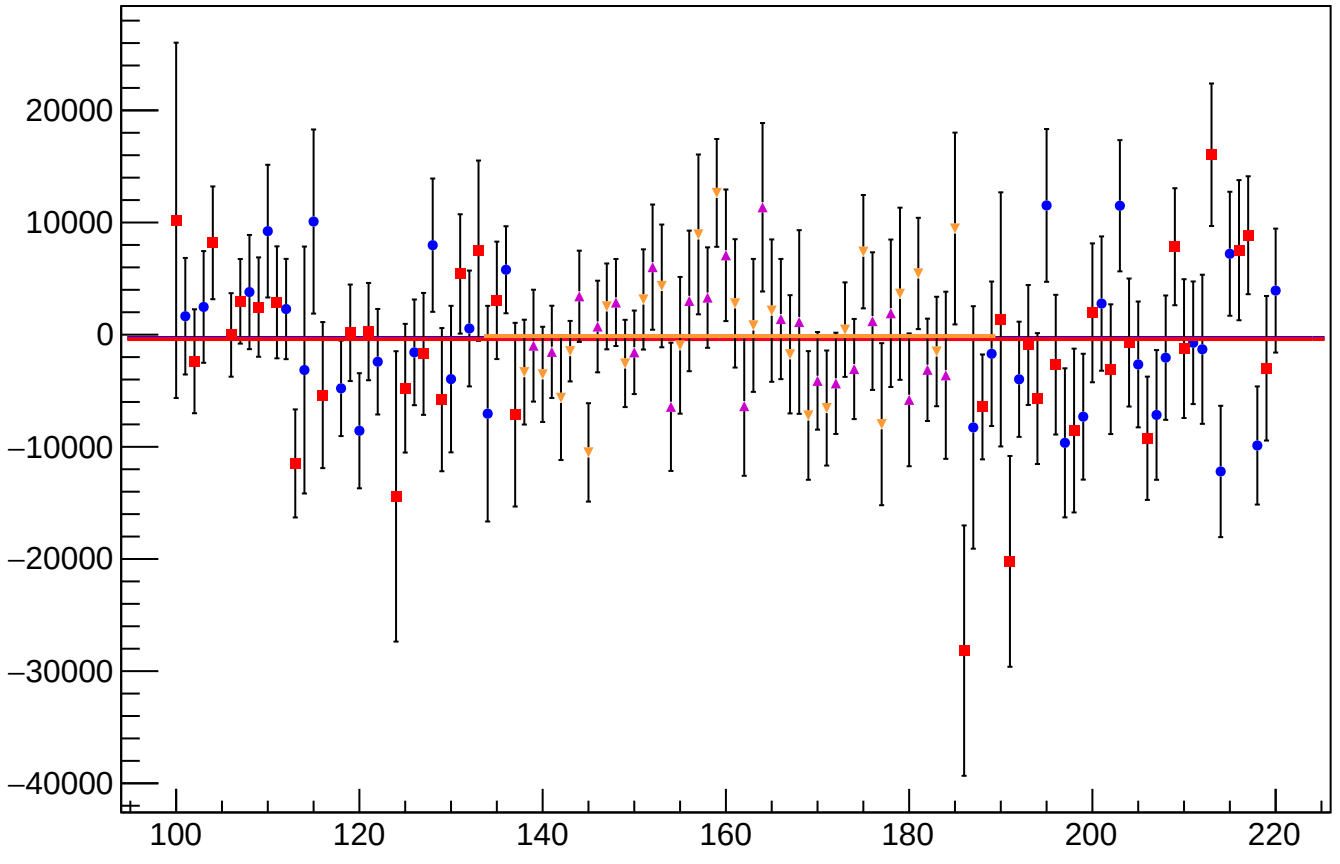
Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.2/36

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1292.711+/-0.144 χ^2/NDF: 761754.9/57

All: 1299.325+/-0.103 χ^2/NDF: 1190902.9/11

- sign 1306.213+/-0.147 χ^2/NDF: 424869.1/59



Right In: -299.963+/-974.878 χ^2/NDF: 38.5/32

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

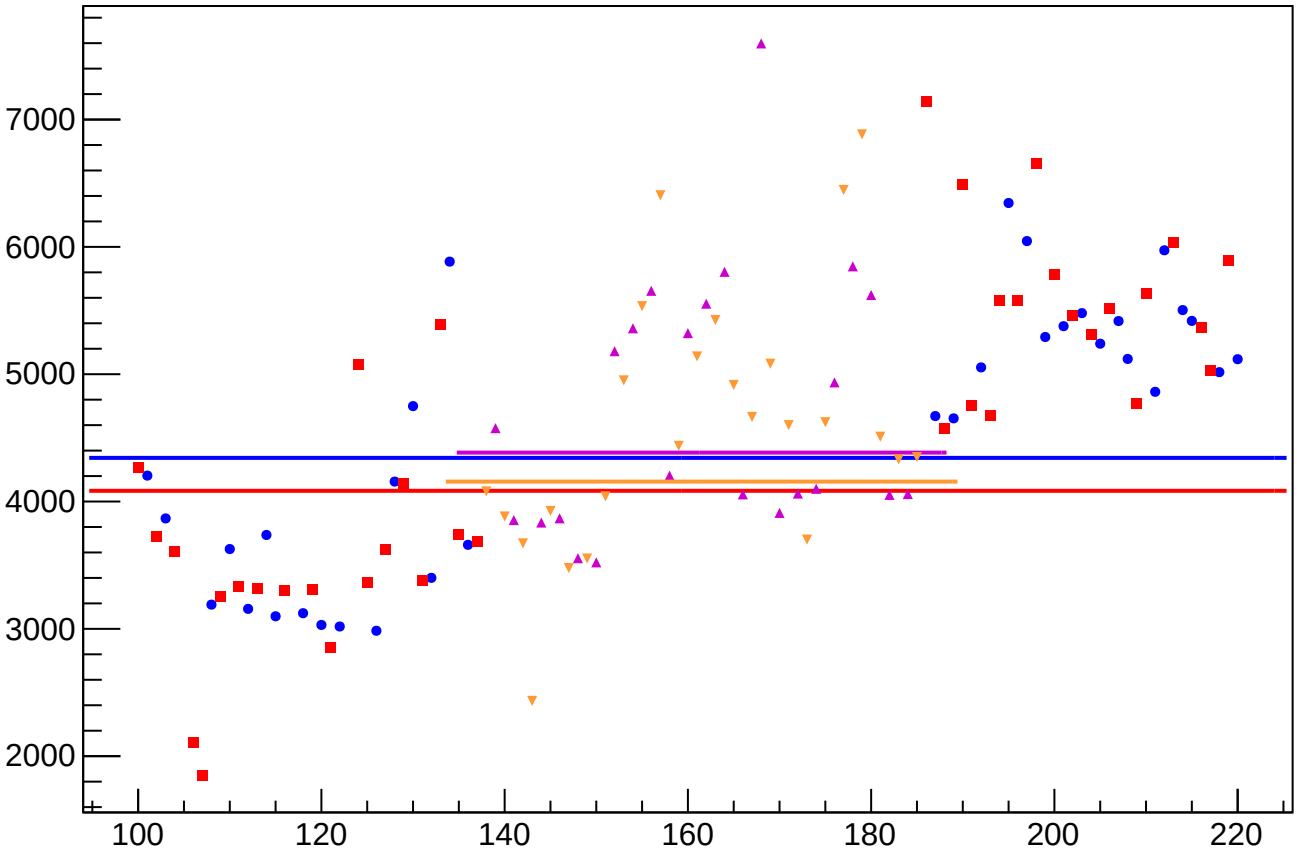
Right Out: -389.692+/-924.704 χ^2/NDF: 48.5/36

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -213.826+/-690.173 χ^2/NDF: 67.1/57

All: -251.097+/-488.902 χ^2/NDF: 129.4/117

- sign -288.637+/-692.656 χ^2/NDF: 62.3/59



Right In: 4342.960+/-0.689 χ^2/NDF: 2219094.7/32

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

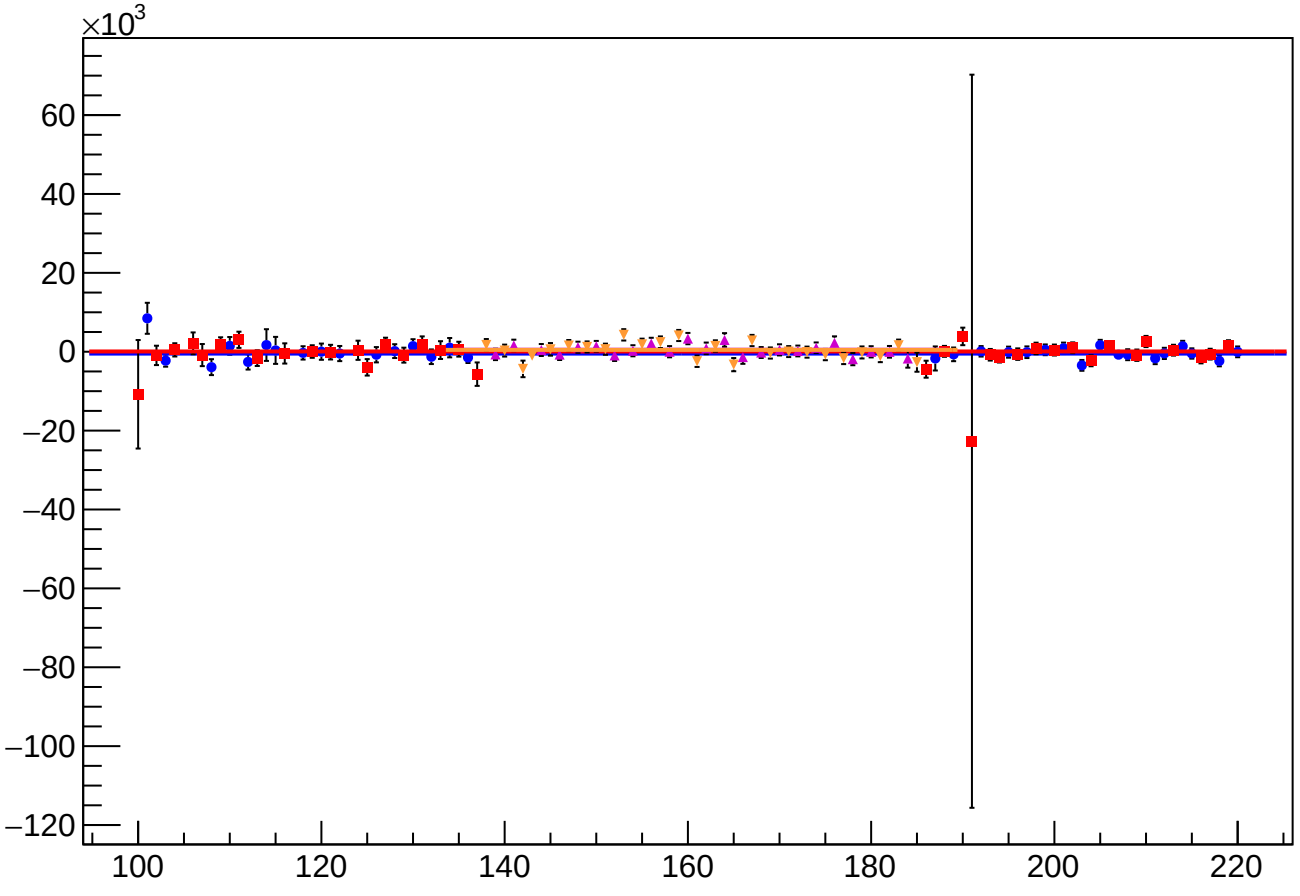
Right Out: 4084.304+/-0.654 χ^2/NDF: 3814574.7/36

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4249.995+/-0.488 χ^2/NDF: 4336323.0/57

All: 4233.052+/-0.346 χ^2/NDF: 9501193.8/11

- sign 4215.986+/-0.490 χ^2/NDF: 5162451.5/59



Right In: -470.446+/-283.880 χ^2/NDF: 27.7/32

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

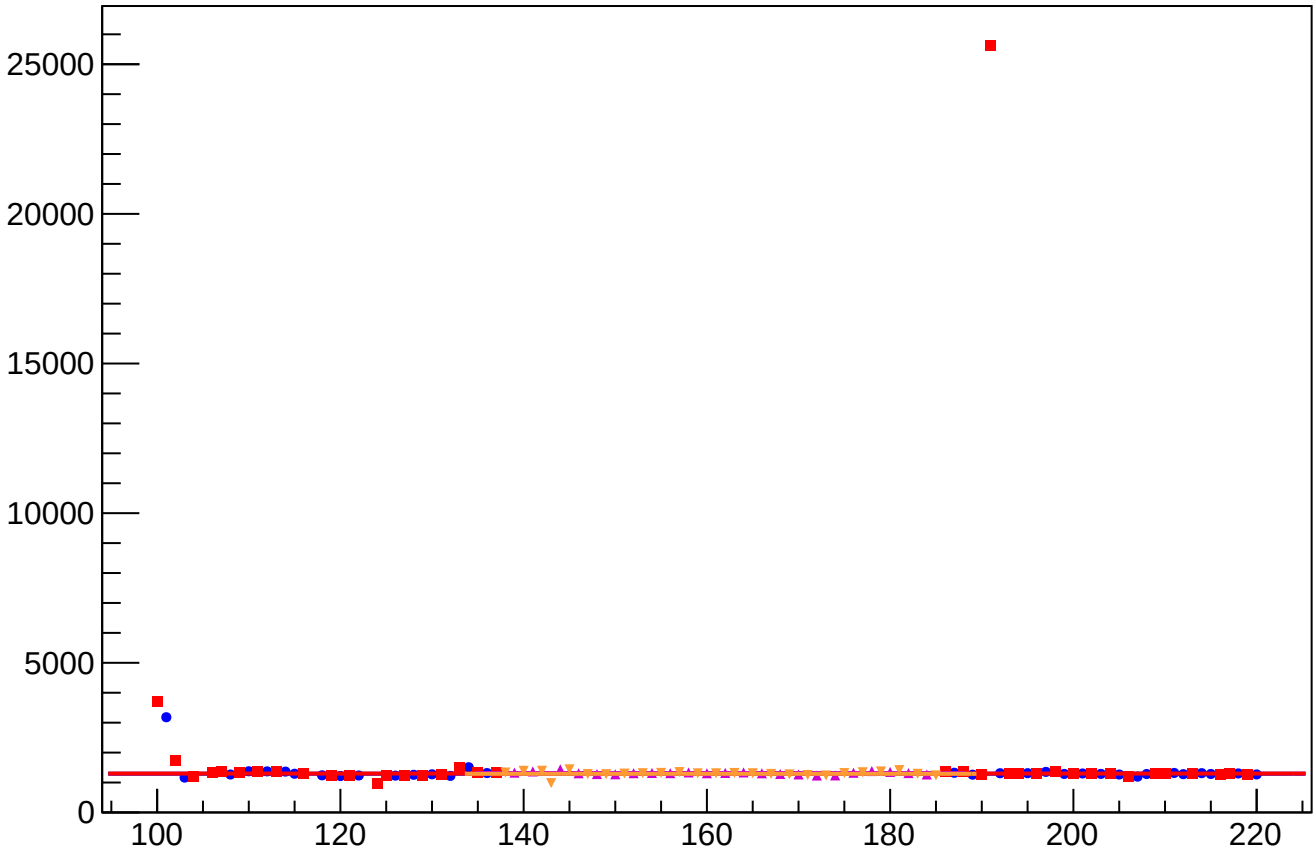
Right Out: 66.240+/-284.065 χ^2/NDF: 35.1/36

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign -18.095+/-204.304 χ^2/NDF: 77.0/57

All: 121.990+/-145.932 χ^2/NDF: 131.6/117

- sign 267.916+/-208.519 χ^2/NDF: 53.6/59



Right In: 1294.108+/-0.201 χ^2/NDF: 530919.5/32

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

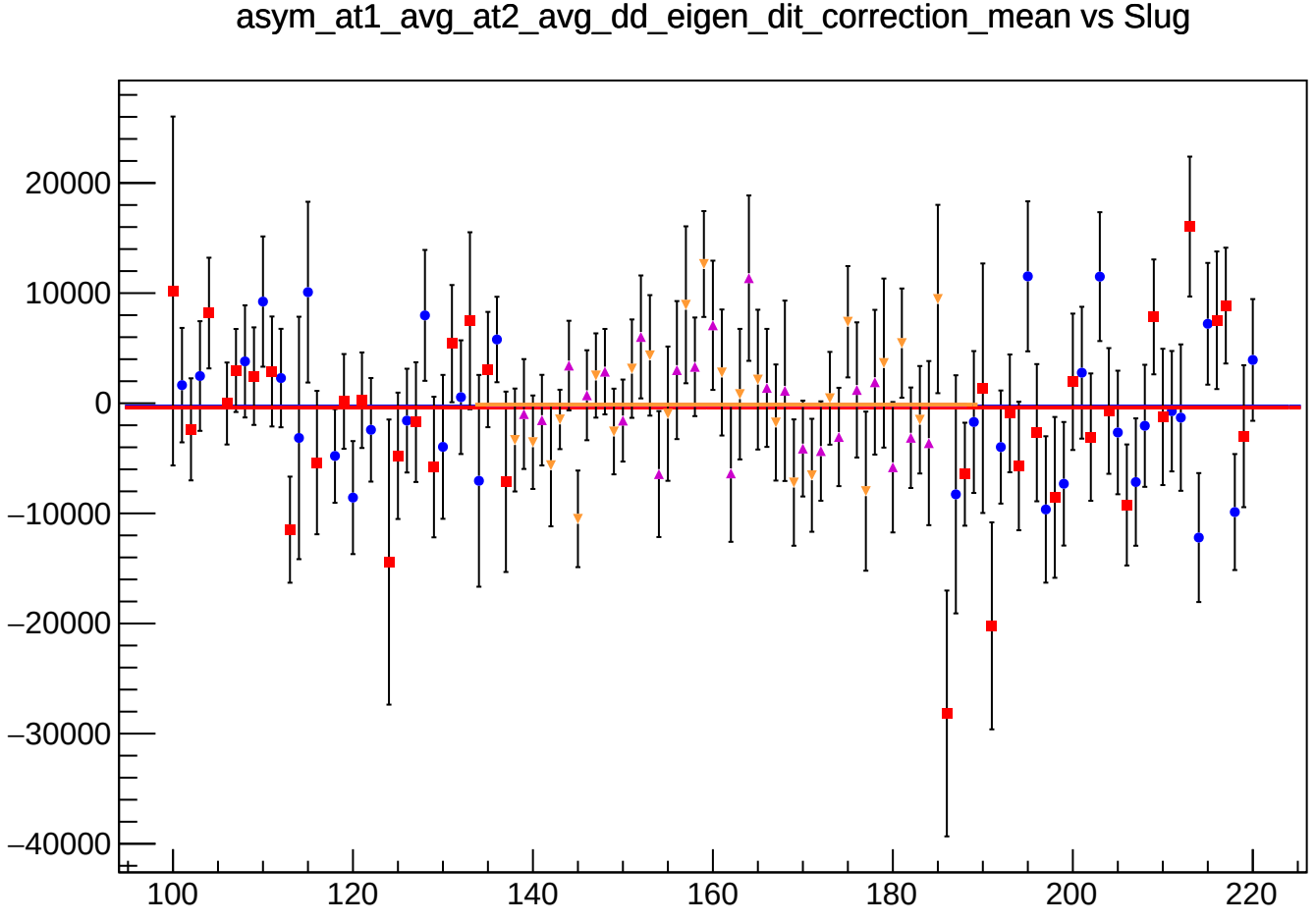
Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.3/36

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1292.712+/-0.144 χ^2/NDF: 761757.4/57

All: 1299.326+/-0.103 χ^2/NDF: 1190908.0/11

- sign 1306.214+/-0.147 χ^2/NDF: 424871.7/59



Right In: -299.966+/-974.878 χ^2/NDF: 38.5/32

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

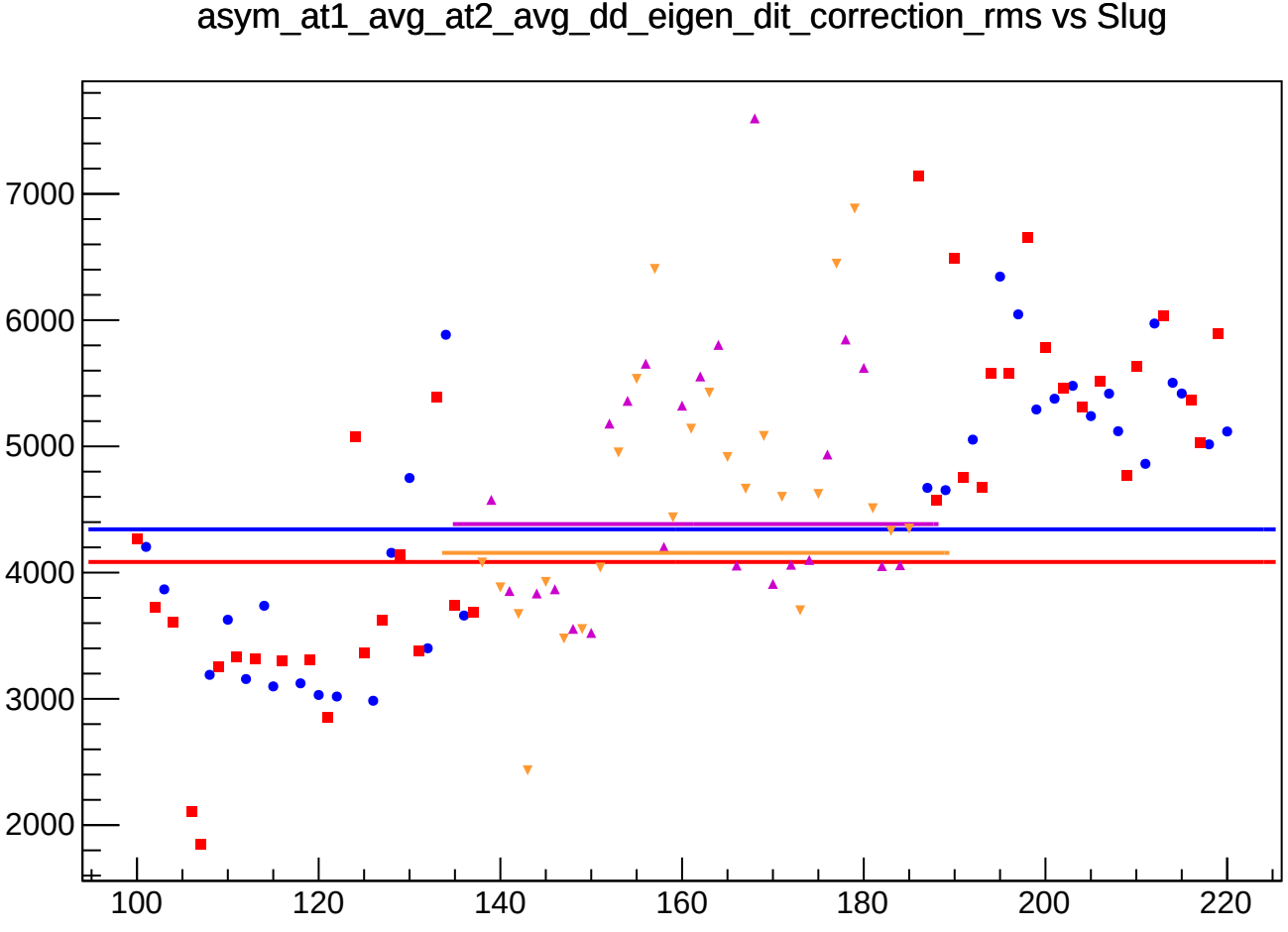
Right Out: -389.687+/-924.703 χ^2/NDF: 48.5/36

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -213.826+/-690.174 χ^2/NDF: 67.1/57

All: -251.096+/-488.902 χ^2/NDF: 129.4/117

- sign -288.635+/-692.656 χ^2/NDF: 62.3/59



Right In: 4342.955+/-0.689 χ^2/NDF: 2219134.0/32

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

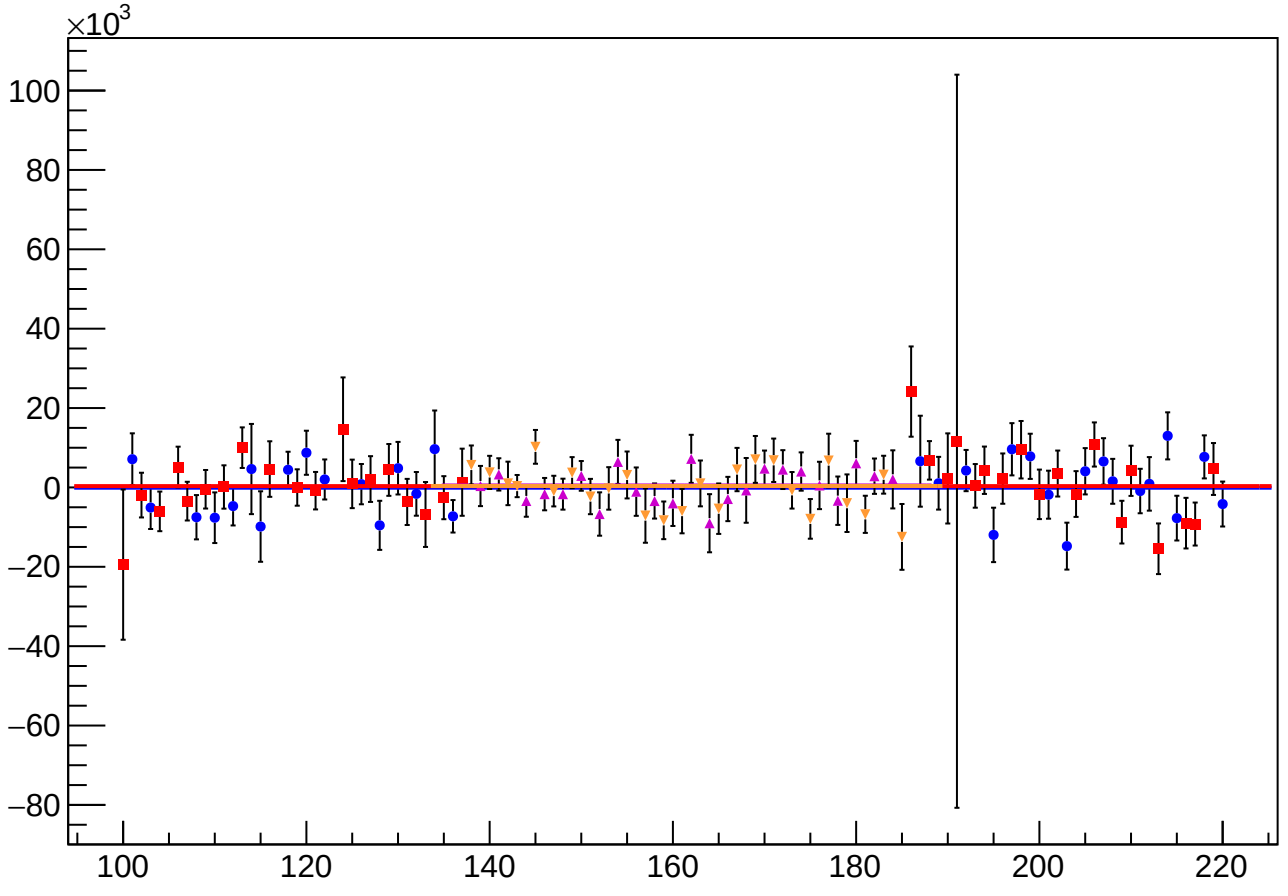
Right Out: 4084.299+/-0.654 χ^2/NDF: 3814613.1/36

Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4249.997+/-0.488 χ^2/NDF: 4336360.7/57

All: 4233.052+/-0.346 χ^2/NDF: 9501282.0/11

- sign 4215.986+/-0.490 χ^2/NDF: 5162501.6/59



Right In: -68.894+/-1023.233 χ^2/NDF: 44.0/32

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 330.825+/-996.314 χ^2/NDF: 39.1/36

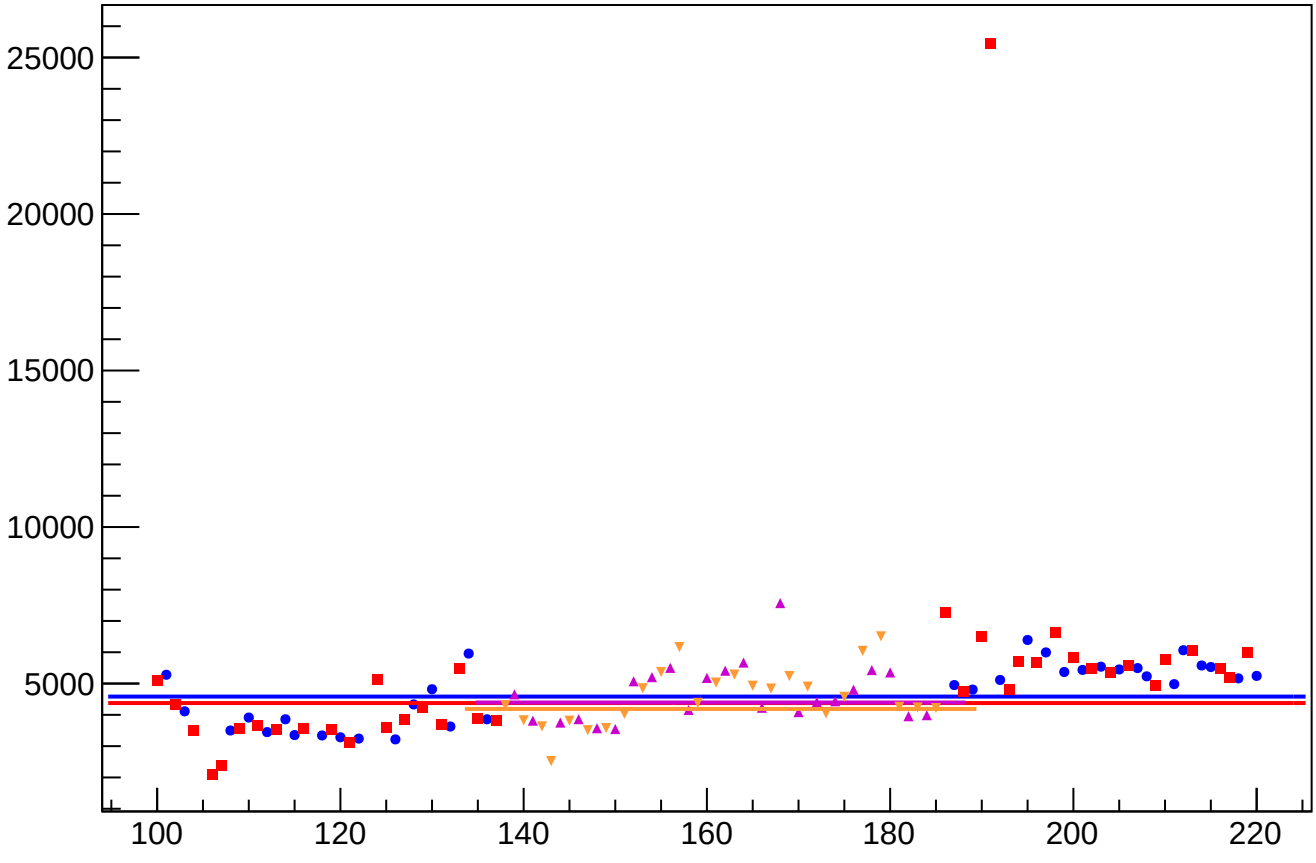
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign 156.154+/-707.702 χ^2/NDF: 71.7/57

All: 280.824+/-505.057 χ^2/NDF: 124.8/117

- sign 410.223+/-721.002 χ^2/NDF: 53.0/59

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4583.580+/-0.724 χ^2/NDF: 1778156.8/32

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

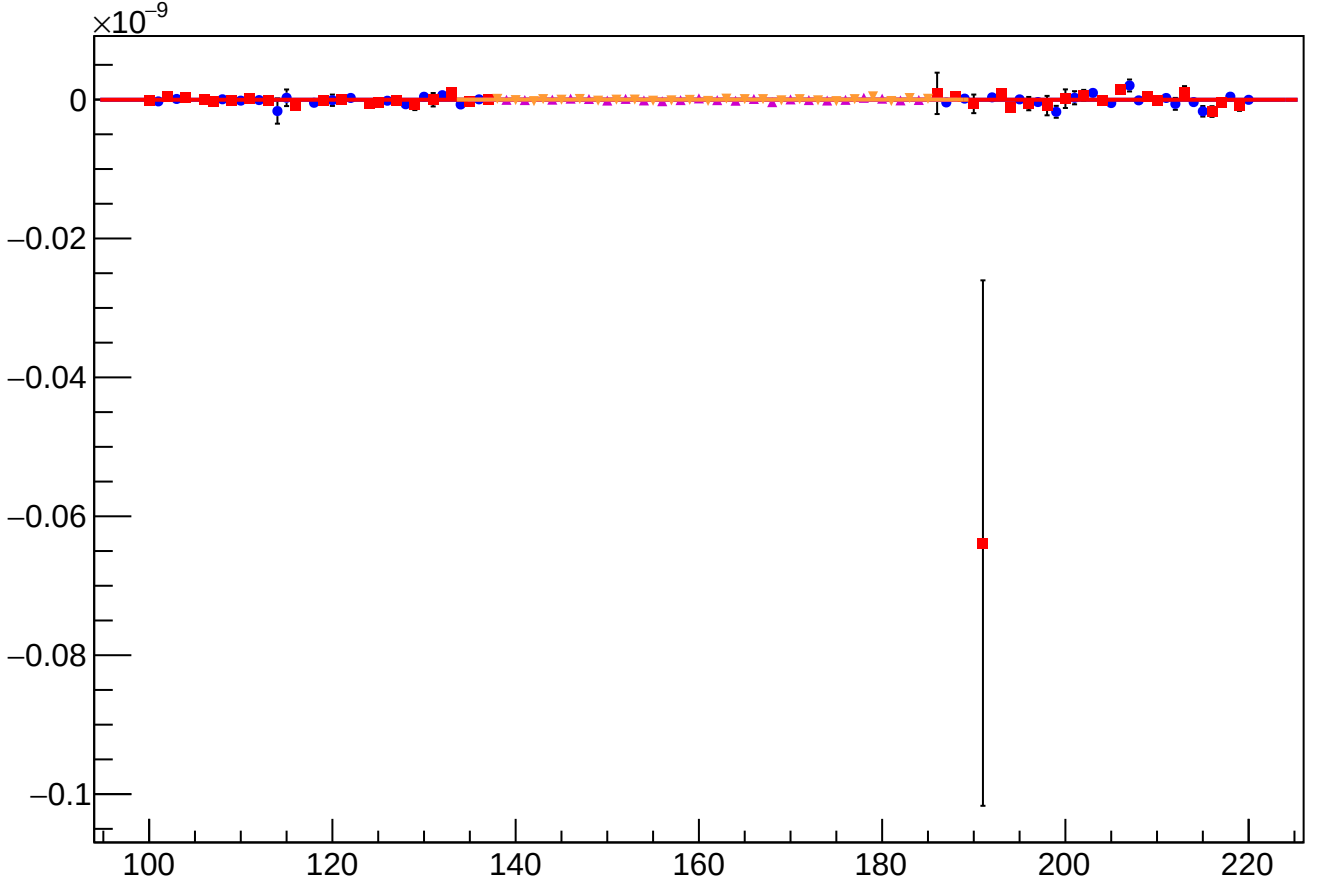
Right Out: 4376.780+/-0.699 χ^2/NDF: 3014582.8/36

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4377.150+/-0.500 χ^2/NDF: 3730550.7/57

All: 4381.052+/-0.356 χ^2/NDF: 7833949.3/11

- sign 4385.069+/-0.508 χ^2/NDF: 4103275.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

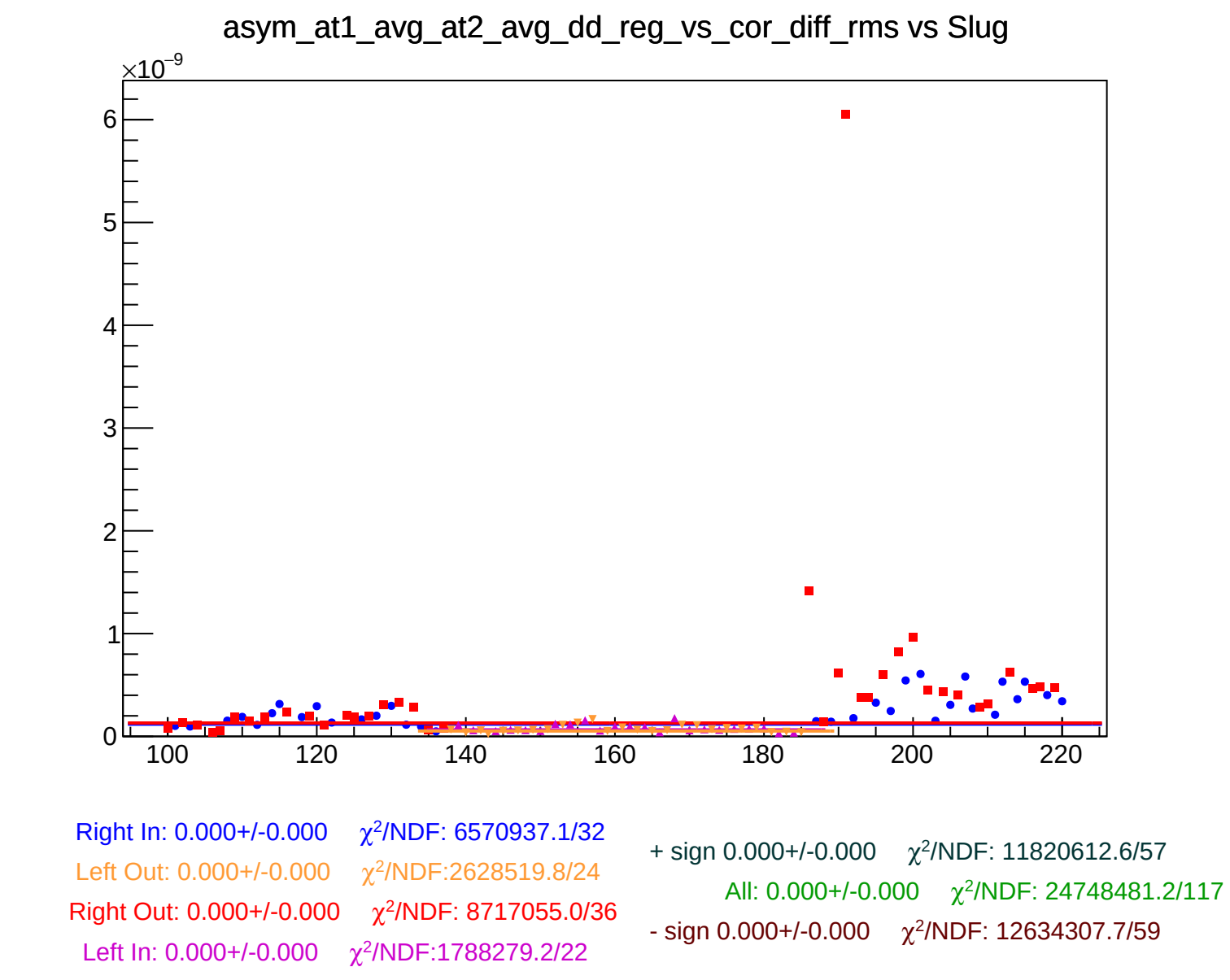
Right Out: -0.000+/-0.000 χ^2/NDF: 41.4/36

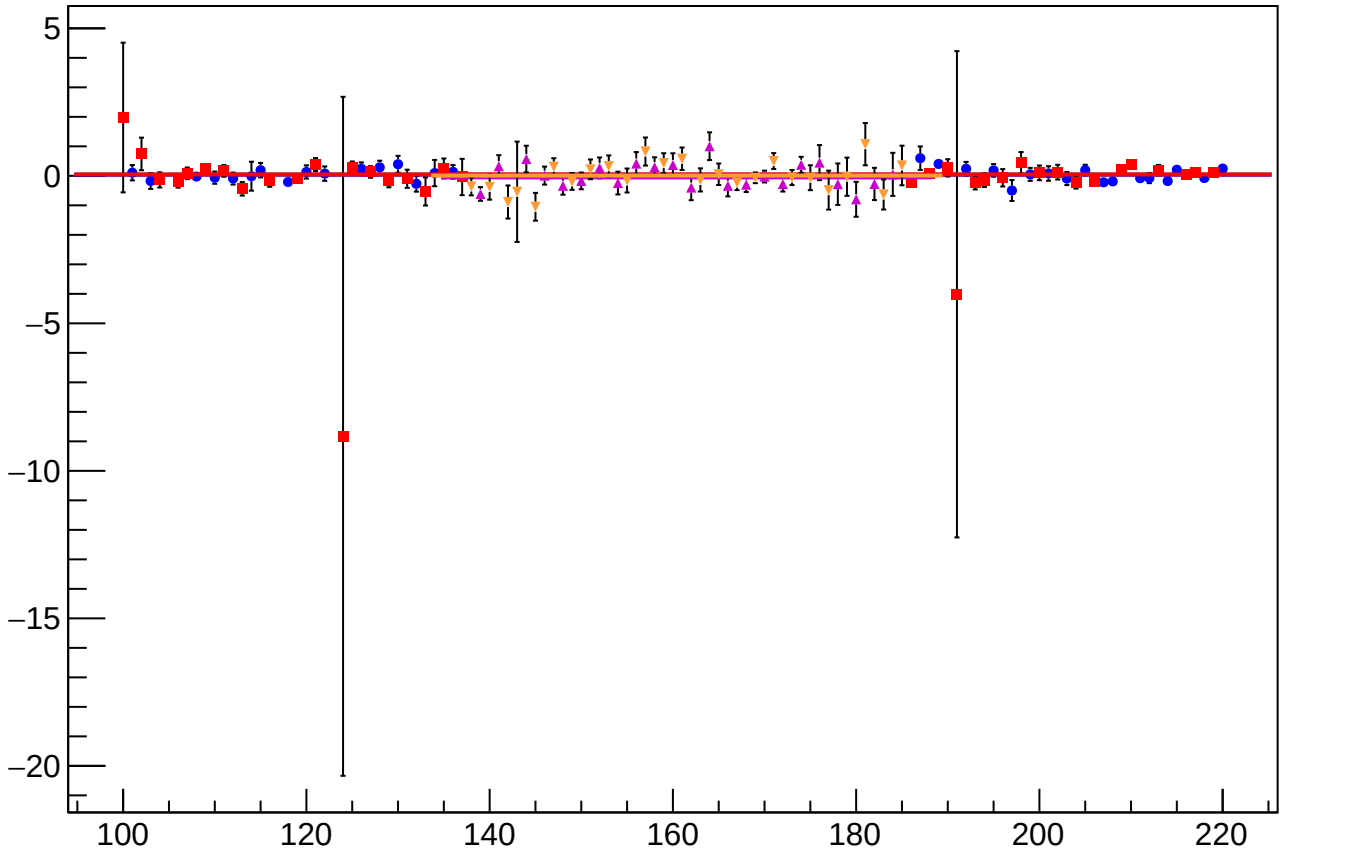
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.5/57

All: -0.000+/-0.000 χ^2/NDF: 130.1/117

- sign -0.000+/-0.000 χ^2/NDF: 58.4/59


asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6570937.1/32
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8717055.0/36
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11820612.6/57
All: 0.000+/-0.000 χ²/NDF: 24748481.2/117
- sign 0.000+/-0.000 χ²/NDF: 12634307.7/59



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

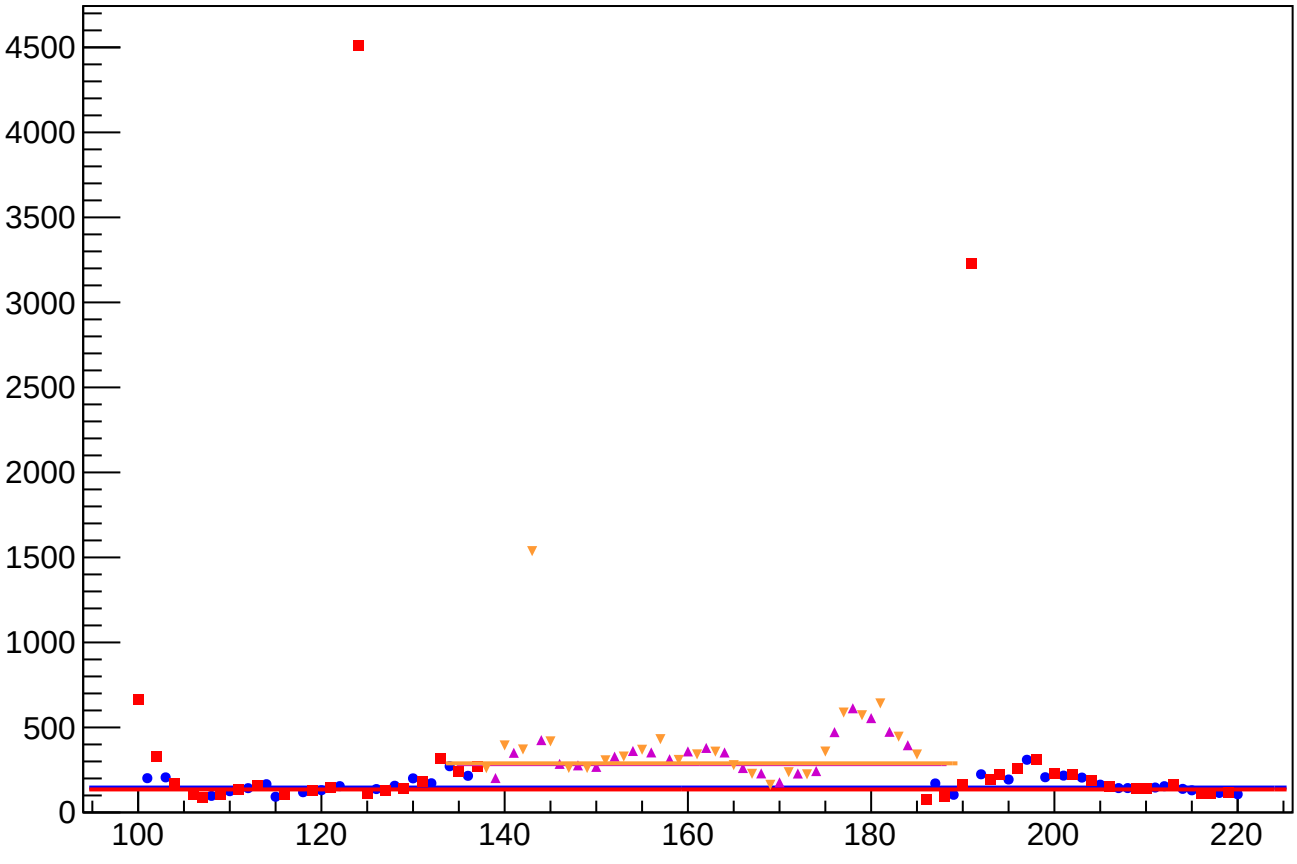
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.034+/-0.030 χ^2/NDF: 64.3/57

All: 0.032+/-0.021 χ^2/NDF: 135.3/117

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59



Right In: 146.450+/-0.024 χ^2/NDF: 2783054.9/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

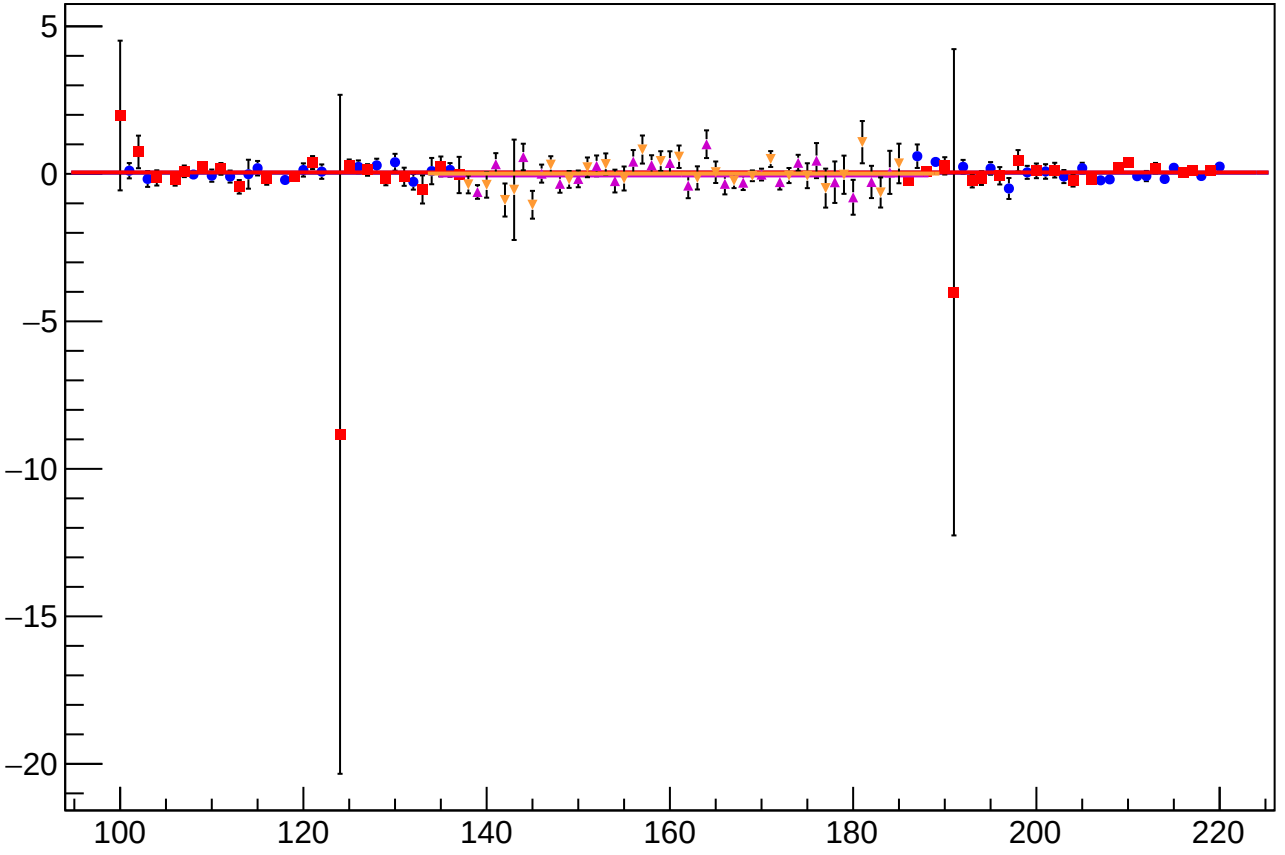
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 172.659+/-0.022 χ^2/NDF: 13999630.6/57

All: 166.570+/-0.015 χ^2/NDF: 29562502.4/11

- sign 160.971+/-0.021 χ^2/NDF: 15409459.6/59

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

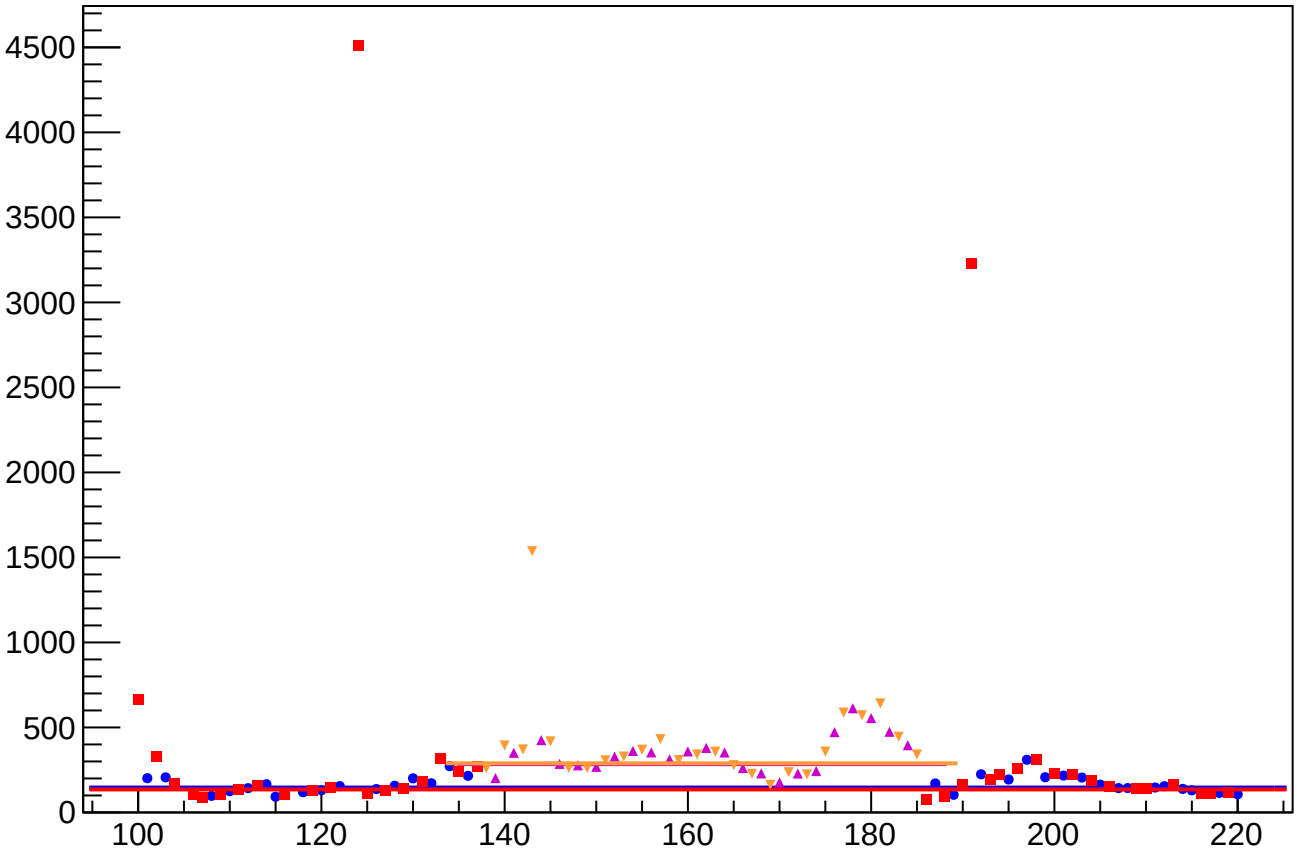
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.034+/-0.030 χ^2/NDF: 64.3/57

All: 0.032+/-0.021 χ^2/NDF: 135.3/117

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59



Right In: 146.450+/-0.024 χ^2/NDF: 2783054.9/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

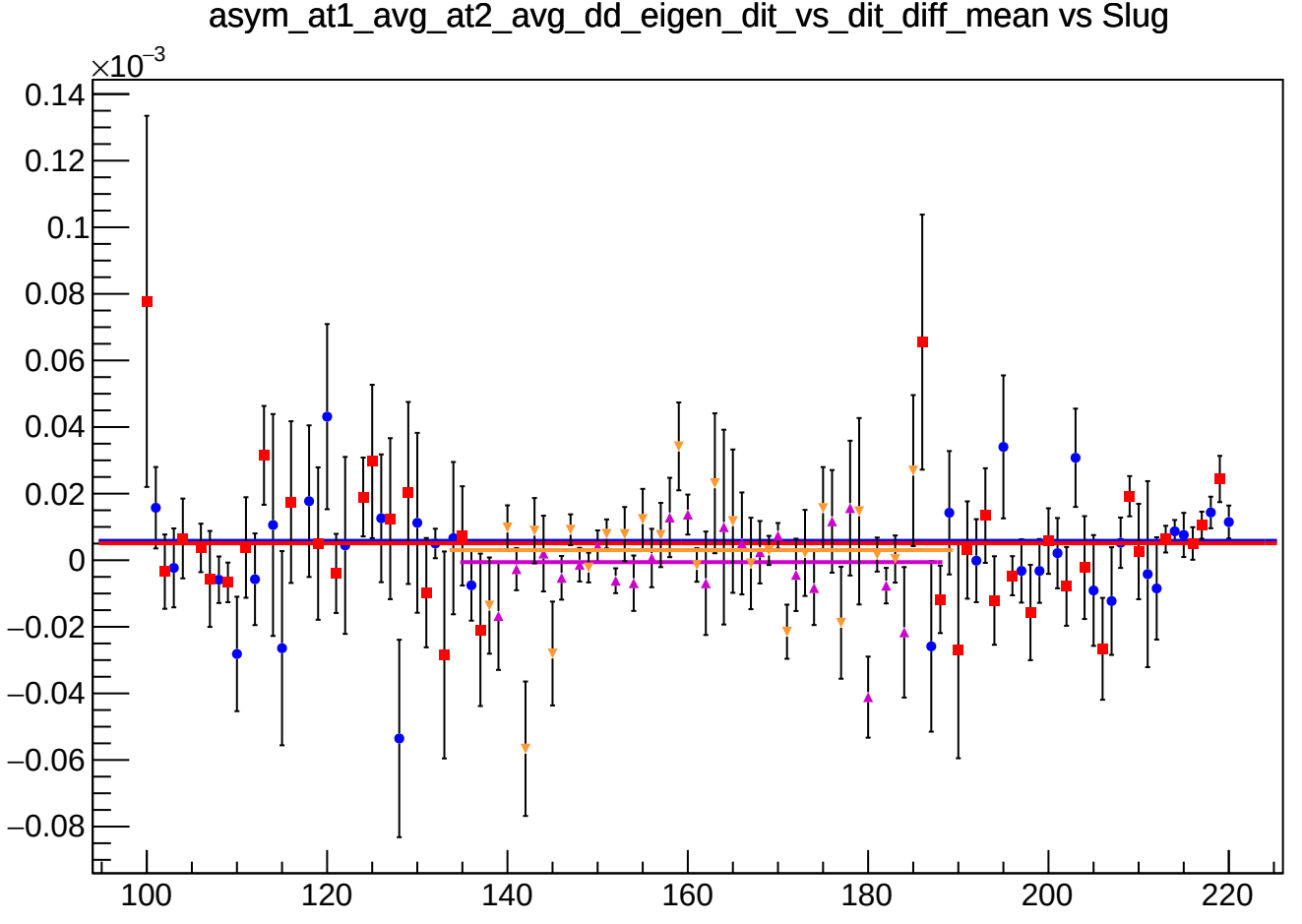
Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 172.659+/-0.022 χ^2/NDF: 13999630.6/57

All: 166.570+/-0.015 χ^2/NDF: 29562502.4/11

- sign 160.971+/-0.021 χ^2/NDF: 15409459.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

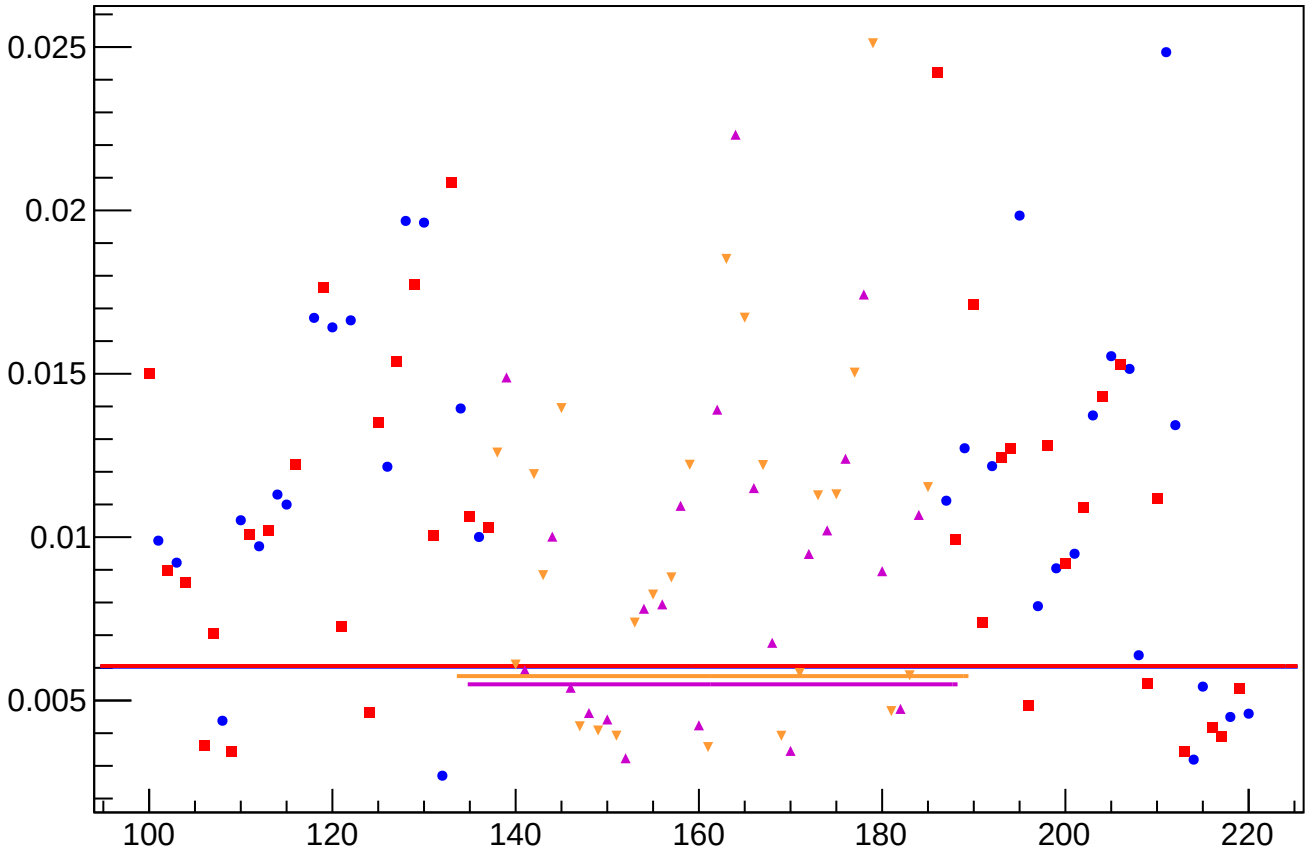
Right Out: 0.000+/-0.000 χ^2/NDF: 51.0/36

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.3/57

All: 0.000+/-0.000 χ^2/NDF: 171.2/117

- sign 0.000+/-0.000 χ^2/NDF: 90.9/59



Right In: 0.006+/-0.000 χ^2/NDF: 11804534.2/32

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

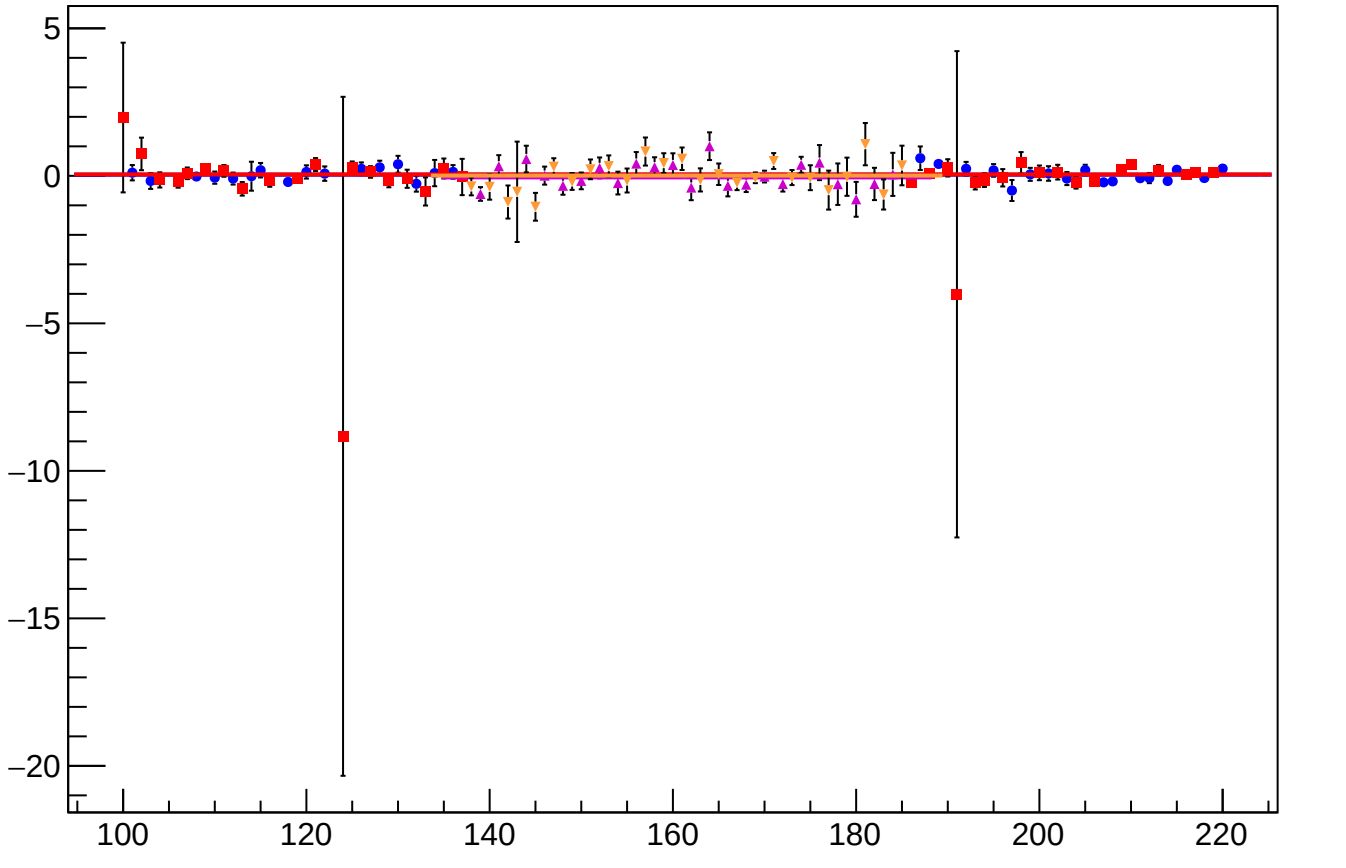
Right Out: 0.006+/-0.000 χ^2/NDF: 9867807.7/36

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 19966987.1/57

All: 0.006+/-0.000 χ^2/NDF: 36916190.5/117

\- sign 0.006+/-0.000 χ^2/NDF: 16938126.0/59



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

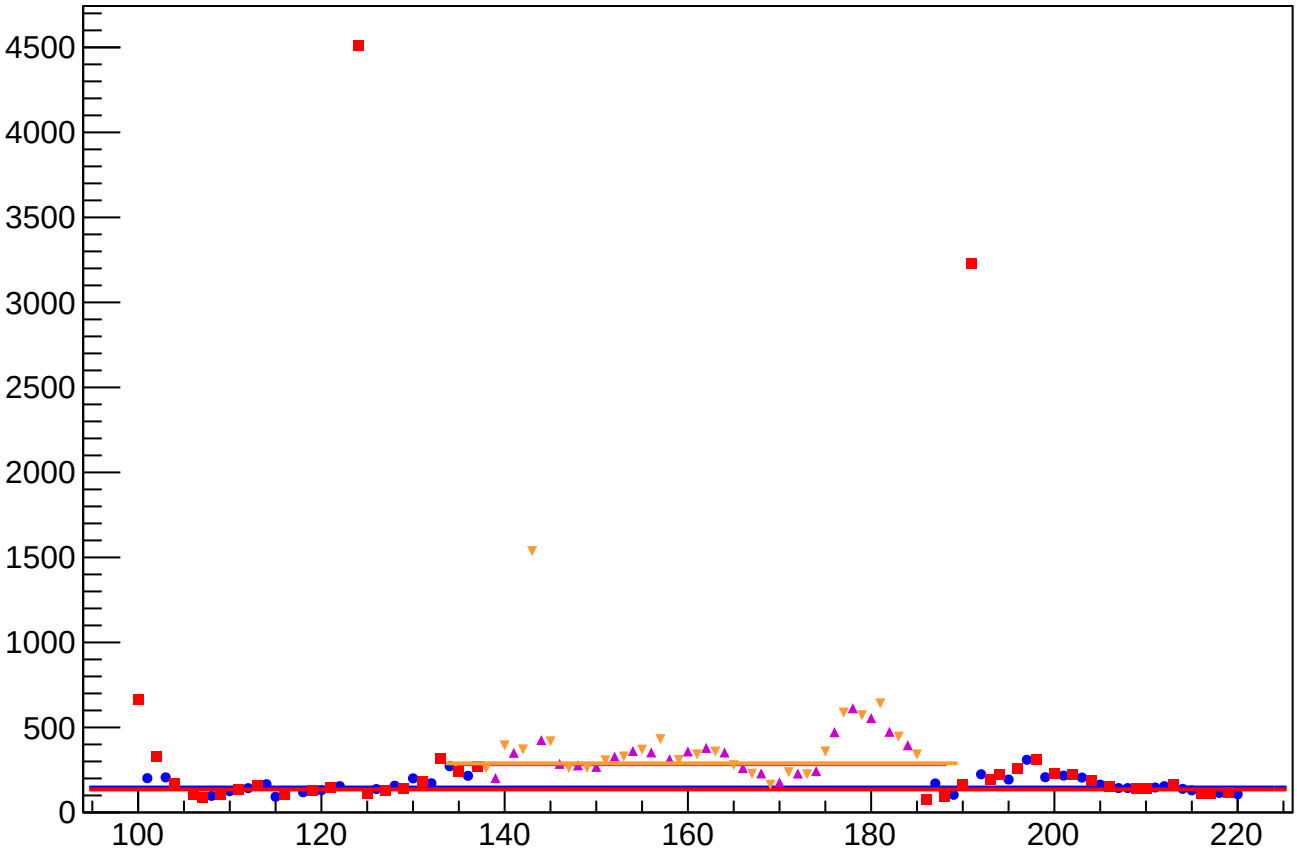
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.034+/-0.030 χ^2/NDF: 64.3/57

All: 0.032+/-0.021 χ^2/NDF: 135.3/117

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59



Right In: 146.450+/-0.024 χ^2/NDF: 2783061.1/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

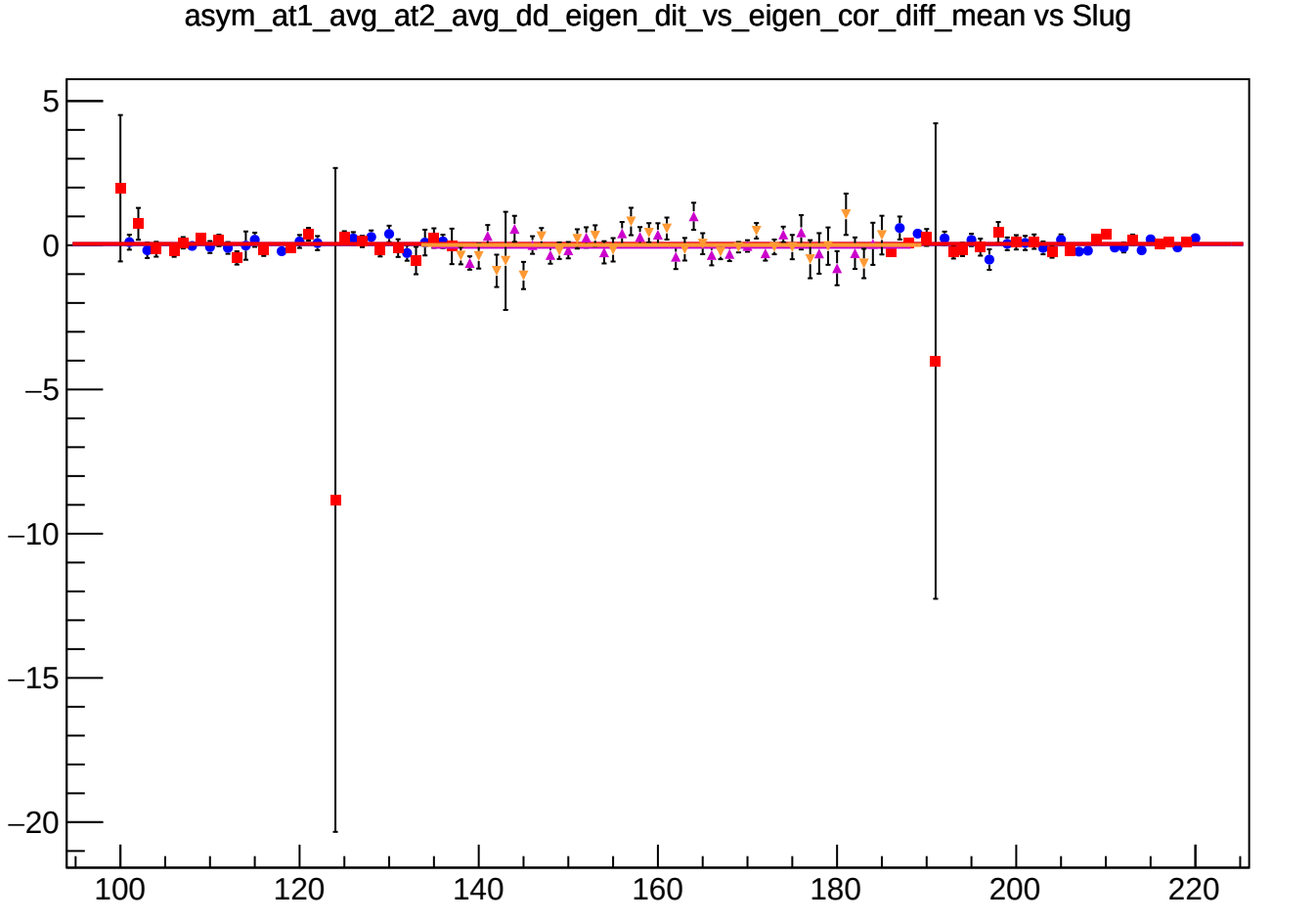
Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 172.659+/-0.022 χ^2/NDF: 13999775.9/57

All: 166.571+/-0.015 χ^2/NDF: 29562384.8/11

- sign 160.973+/-0.021 χ^2/NDF: 15409243.8/59



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

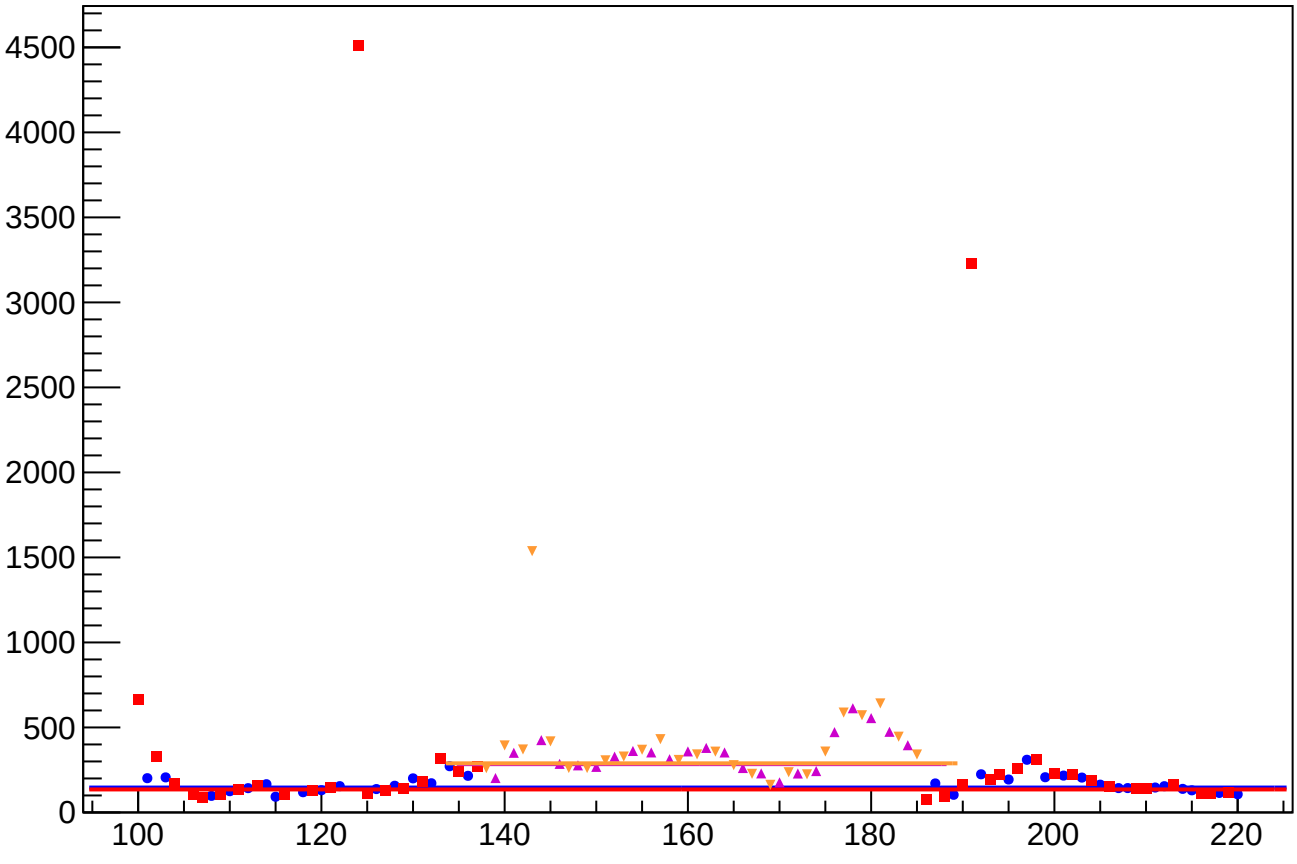
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.034+/-0.030 χ^2/NDF: 64.3/57

All: 0.032+/-0.021 χ^2/NDF: 135.3/117

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59



Right In: 146.450+/-0.024 χ^2/NDF: 2783061.1/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

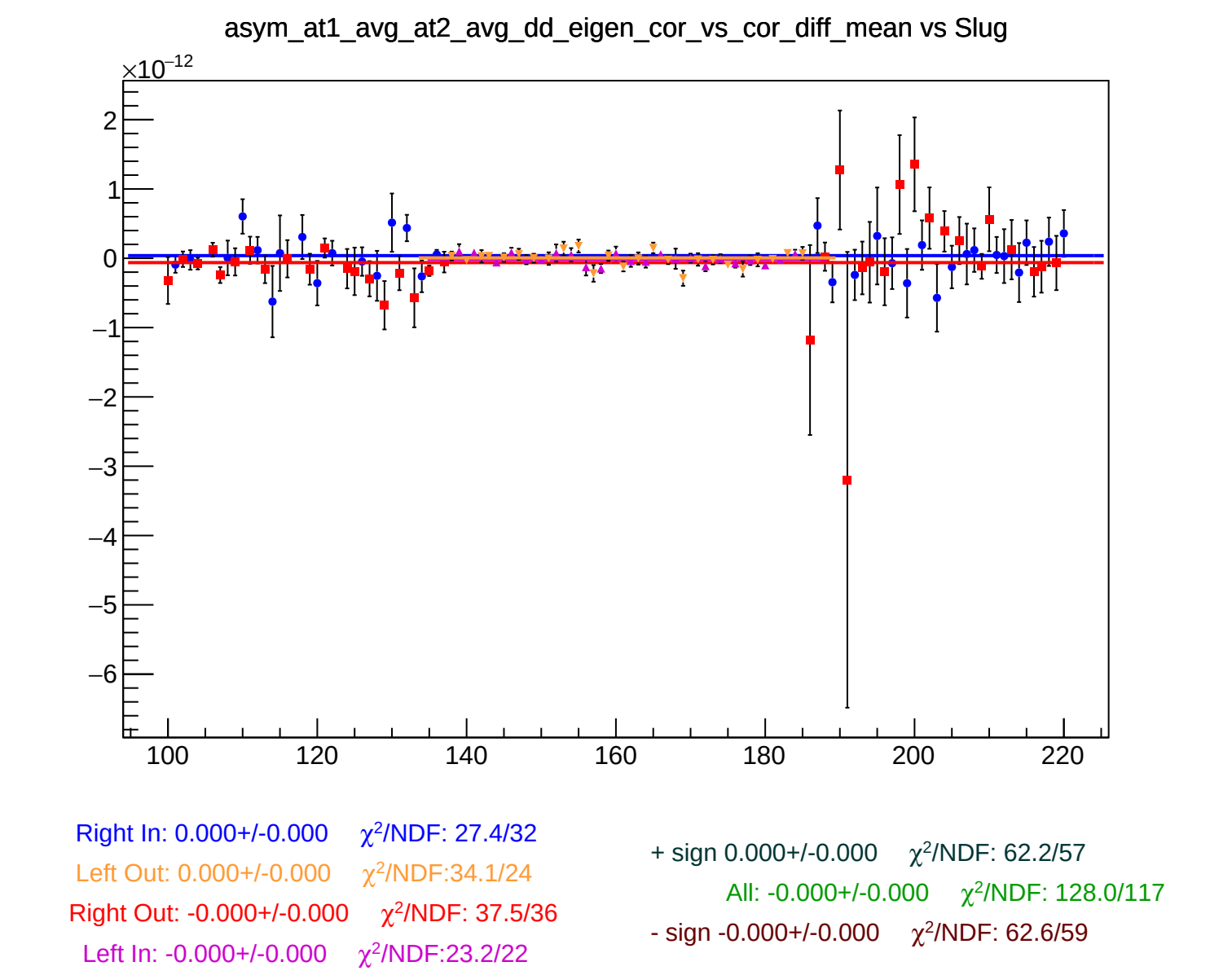
Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

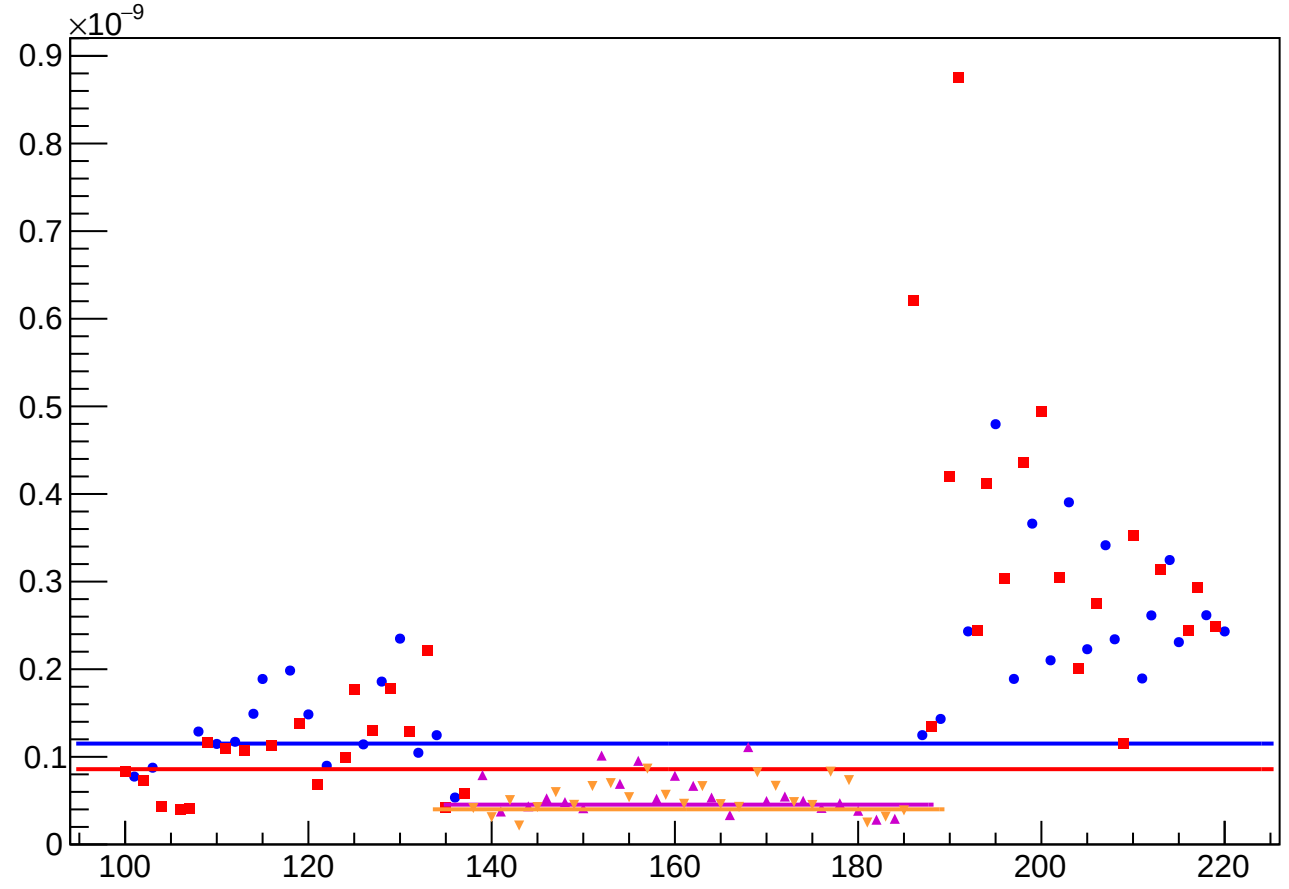
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 172.659+/-0.022 χ^2/NDF: 13999775.9/57

All: 166.571+/-0.015 χ^2/NDF: 29562384.8/11

- sign 160.973+/-0.021 χ^2/NDF: 15409243.8/59


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
−4
−5
−6
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 27.4/32
Left Out: 0.000+/-0.000 χ²/NDF:34.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 37.5/36
Left In: -0.000+/-0.000 χ²/NDF:23.2/22
+ sign 0.000+/-0.000 χ²/NDF: 62.2/57
All: -0.000+/-0.000 χ²/NDF: 128.0/117
- sign -0.000+/-0.000 χ²/NDF: 62.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 7555894.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

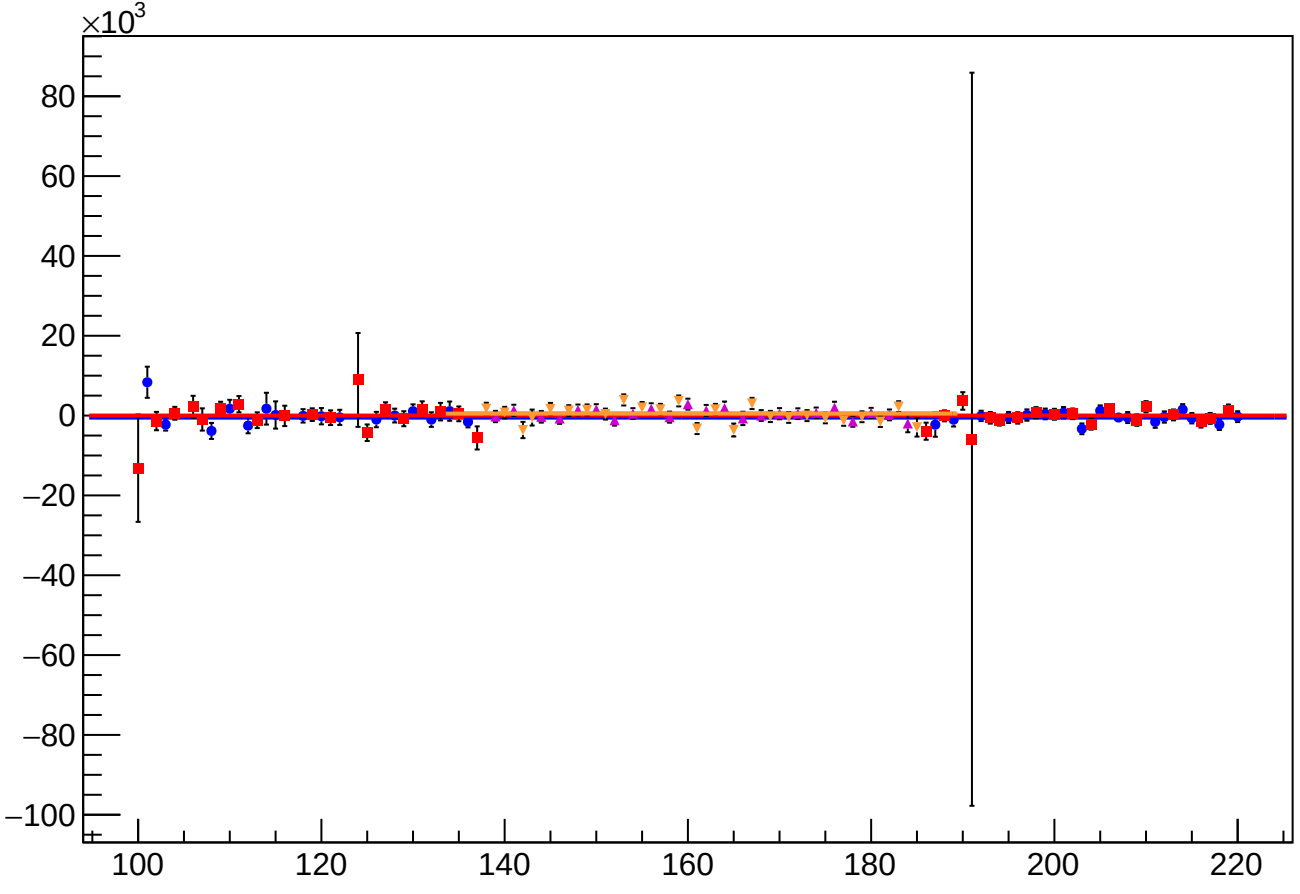
Right Out: 0.000+/-0.000 χ^2/NDF: 10373466.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 18093224.7/57

All: 0.000+/-0.000 χ^2/NDF: 34126819.7/117

- sign 0.000+/-0.000 χ^2/NDF: 15887395.3/59



Right In: -508.315+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: 10.411+/-281.970 χ^2/NDF: 33.5/36

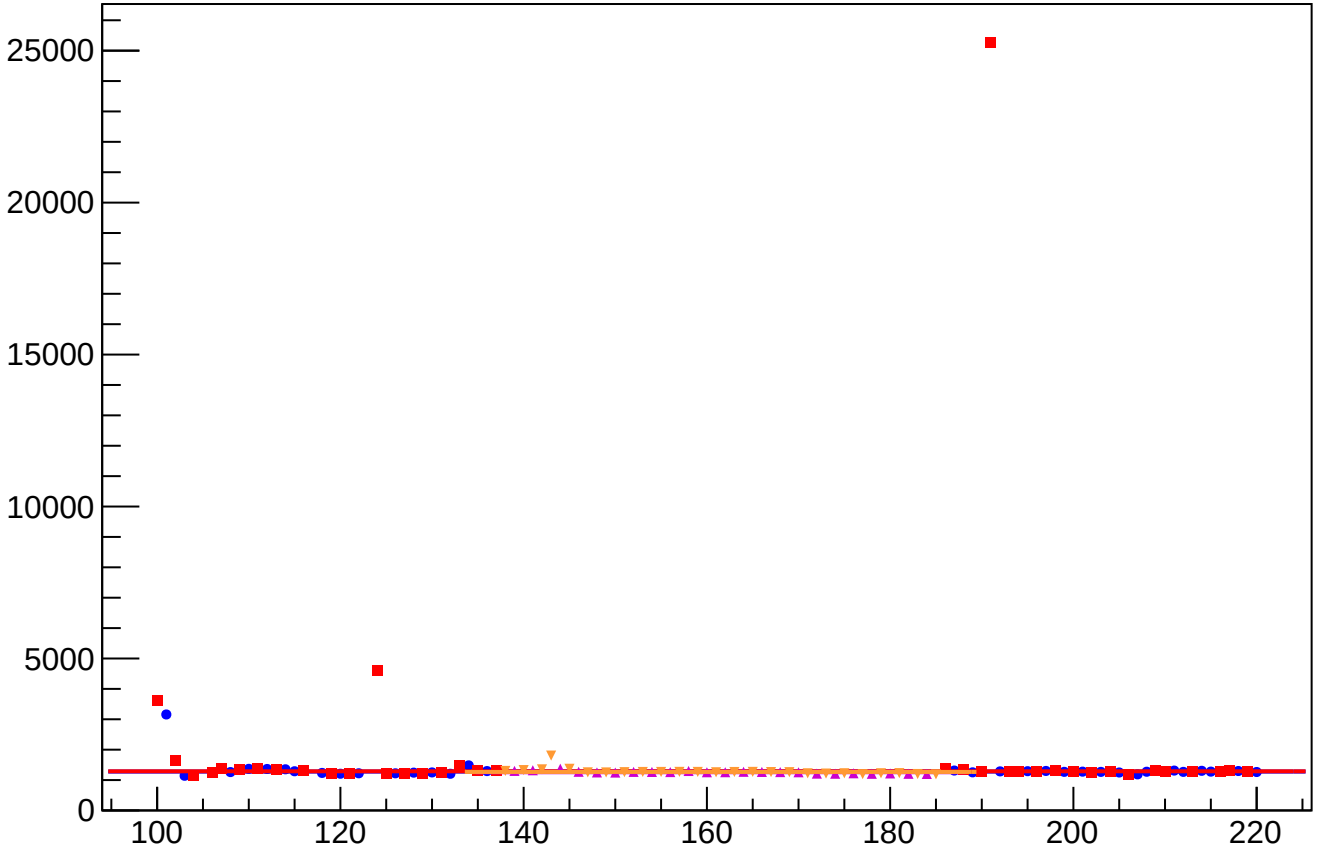
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

\+ sign -22.136+/-201.120 χ^2/NDF: 79.3/57

All: 106.873+/-143.022 χ^2/NDF: 129.4/117

\- sign 238.857+/-203.426 χ^2/NDF: 49.3/59

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1278.918+/-0.198 χ^2/NDF: 530826.5/32

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

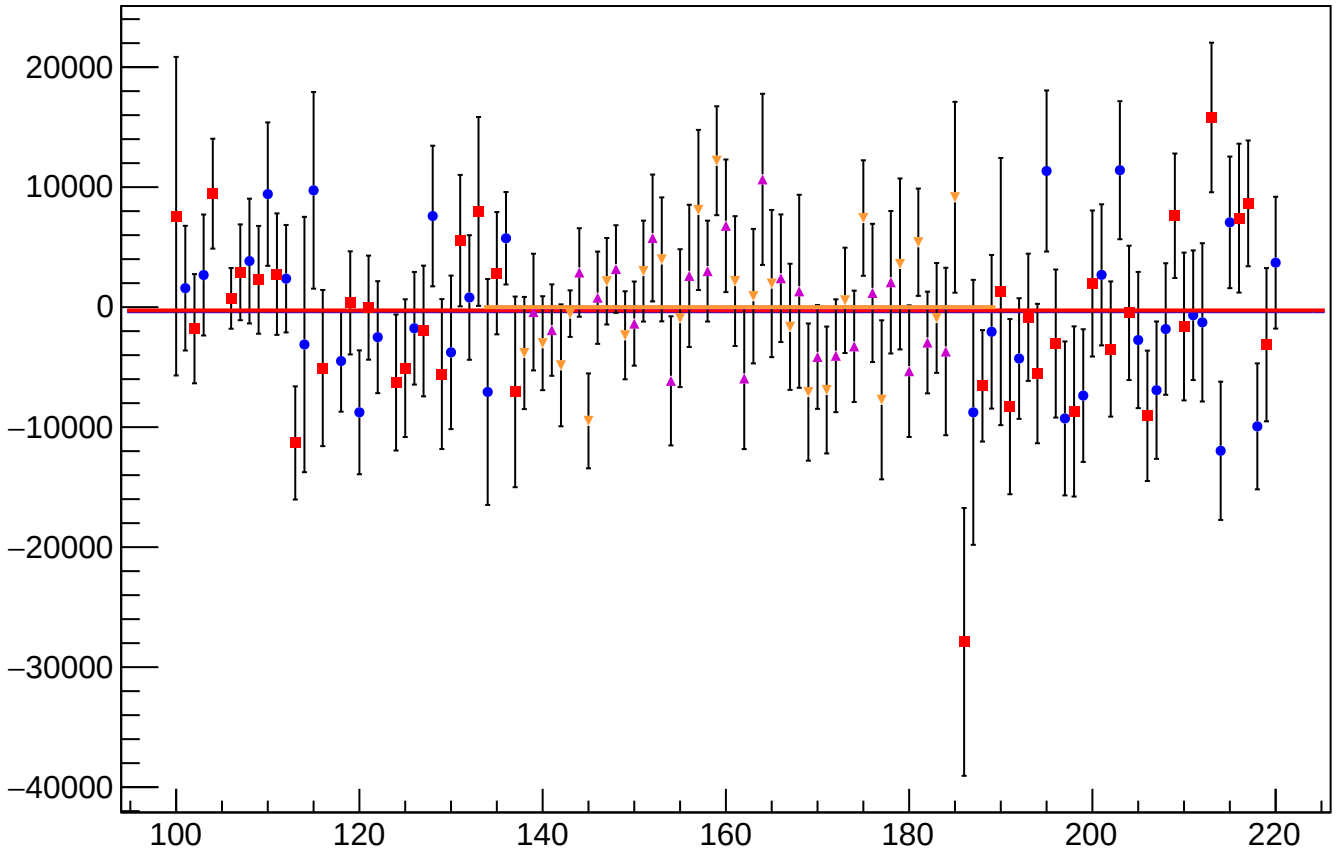
Right Out: 1288.492+/-0.199 χ^2/NDF: 483574.3/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.110+/-0.142 χ^2/NDF: 720136.0/57

All: 1273.386+/-0.101 χ^2/NDF: 1252091.1/11

- sign 1273.669+/-0.144 χ^2/NDF: 531947.5/59



Right In: -338.252+/-969.086 χ^2/NDF: 38.5/32

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

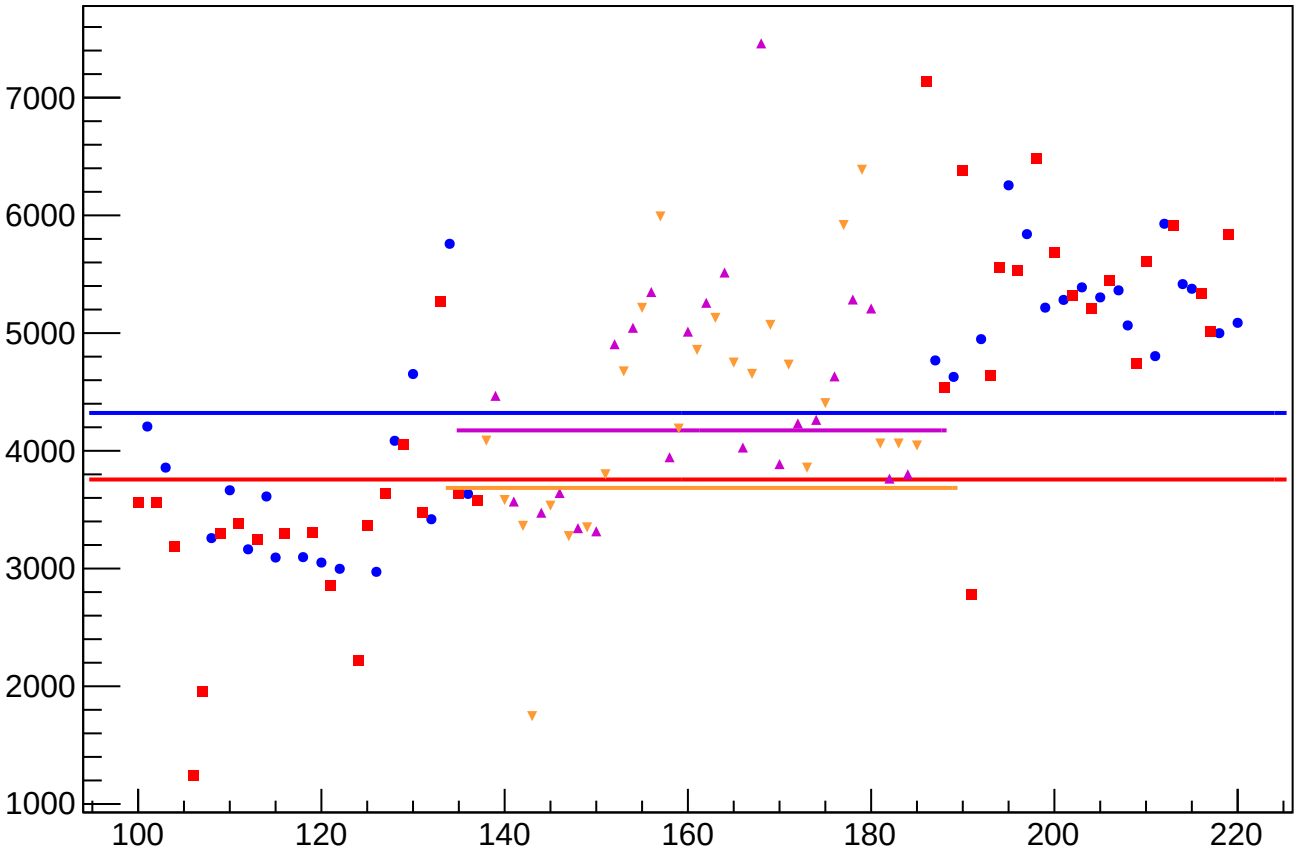
Right Out: -274.259+/-875.989 χ^2/NDF: 46.8/36

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

\+ sign -154.428+/-654.097 χ^2/NDF: 67.7/57

All: -161.347+/-463.746 χ^2/NDF: 128.6/117

\- sign -168.341+/-657.590 χ^2/NDF: 60.9/59



Right In: 4321.635+/-0.685 χ^2/NDF: 2116489.4/32

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3756.437+/-0.619 χ^2/NDF: 5567877.2/36

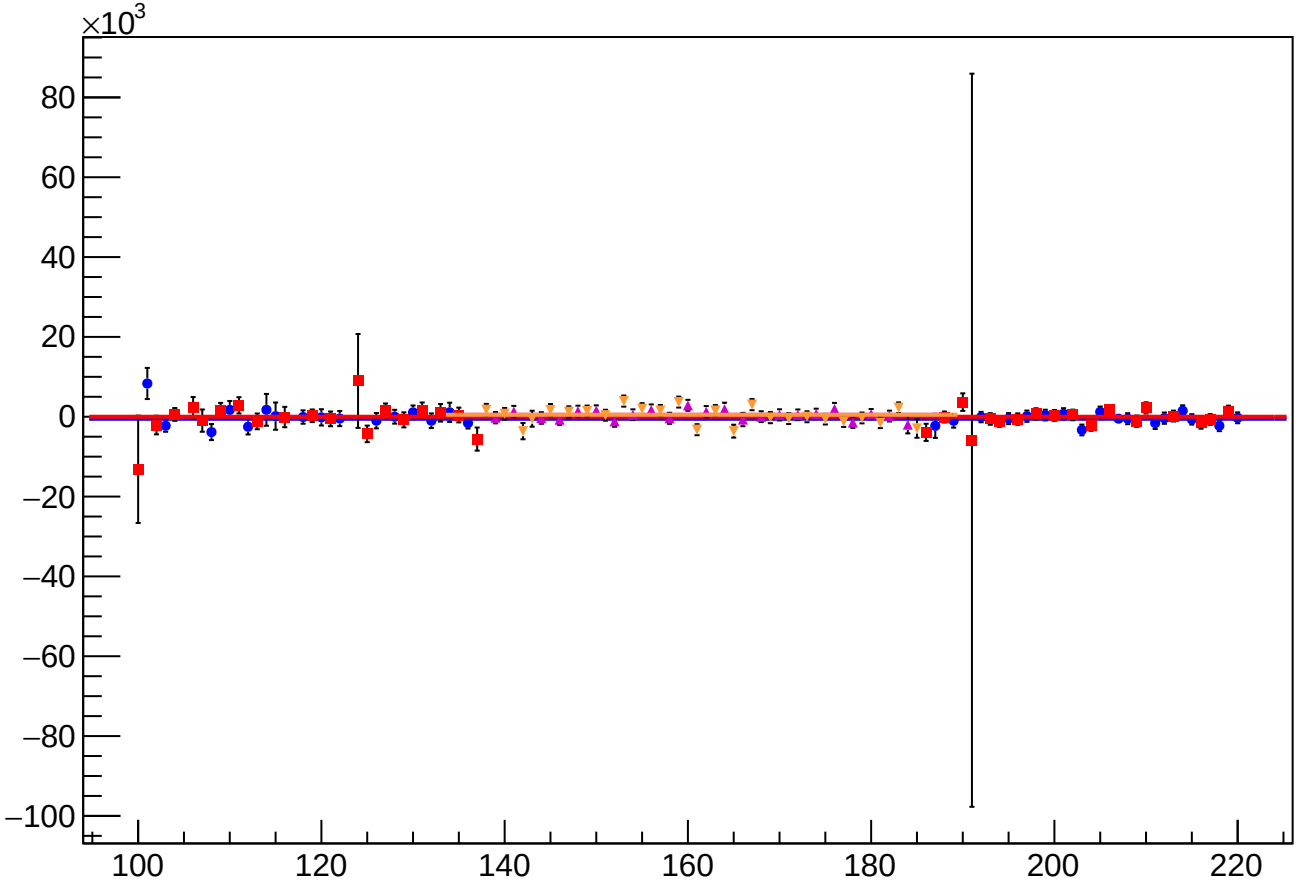
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3974.909+/-0.463 χ^2/NDF: 6280398.1/57

All: 3956.801+/-0.328 χ^2/NDF: 13324256.2/1

- sign 3938.499+/-0.465 χ^2/NDF: 7040776.2/59

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -508.439+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: 0.721+/-282.033 χ^2/NDF: 33.9/36

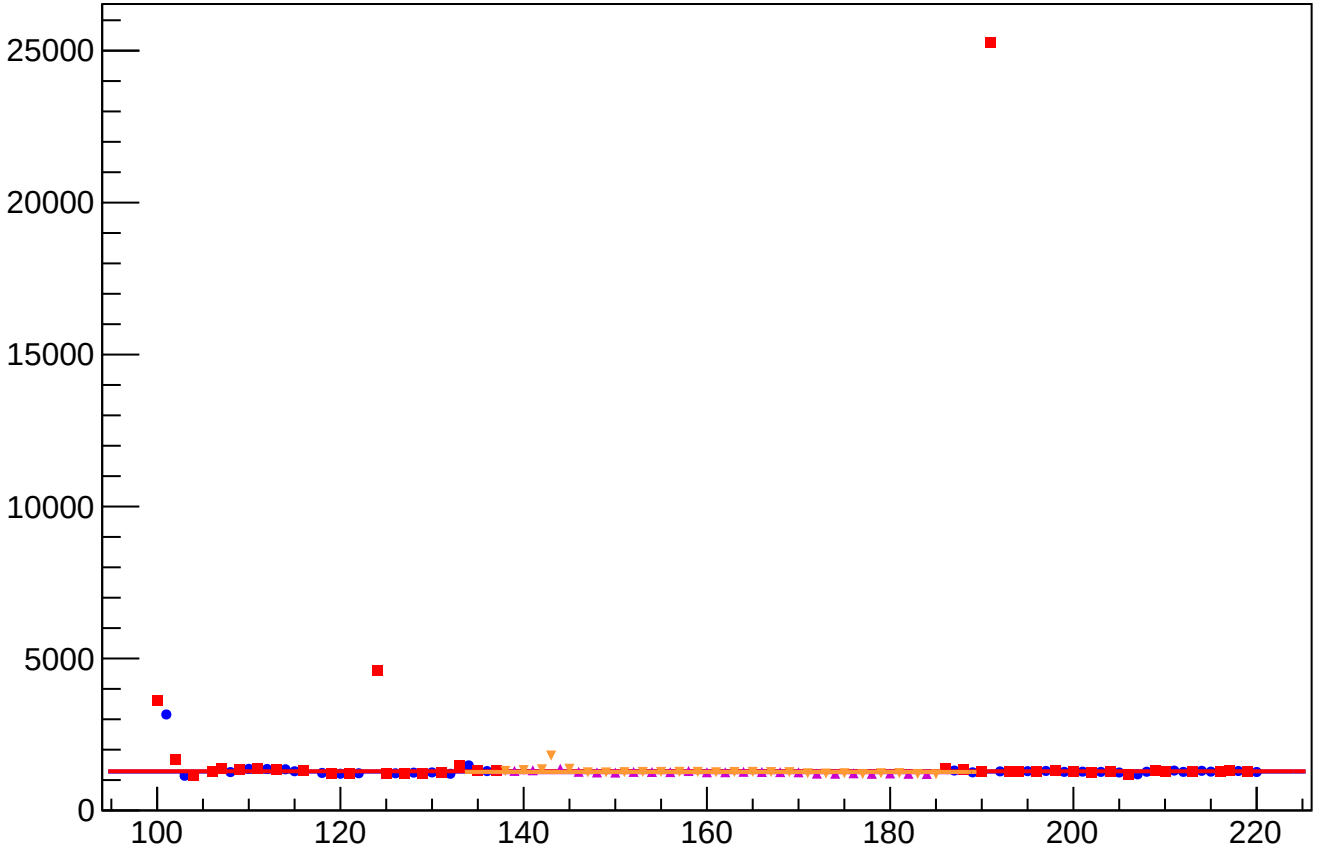
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

\+ sign -22.191+/-201.120 χ^2/NDF: 79.3/57

All: 104.339+/-143.030 χ^2/NDF: 129.9/117

\- sign 233.819+/-203.450 χ^2/NDF: 49.8/59

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1278.917+/-0.198 χ^2/NDF: 530828.0/32

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

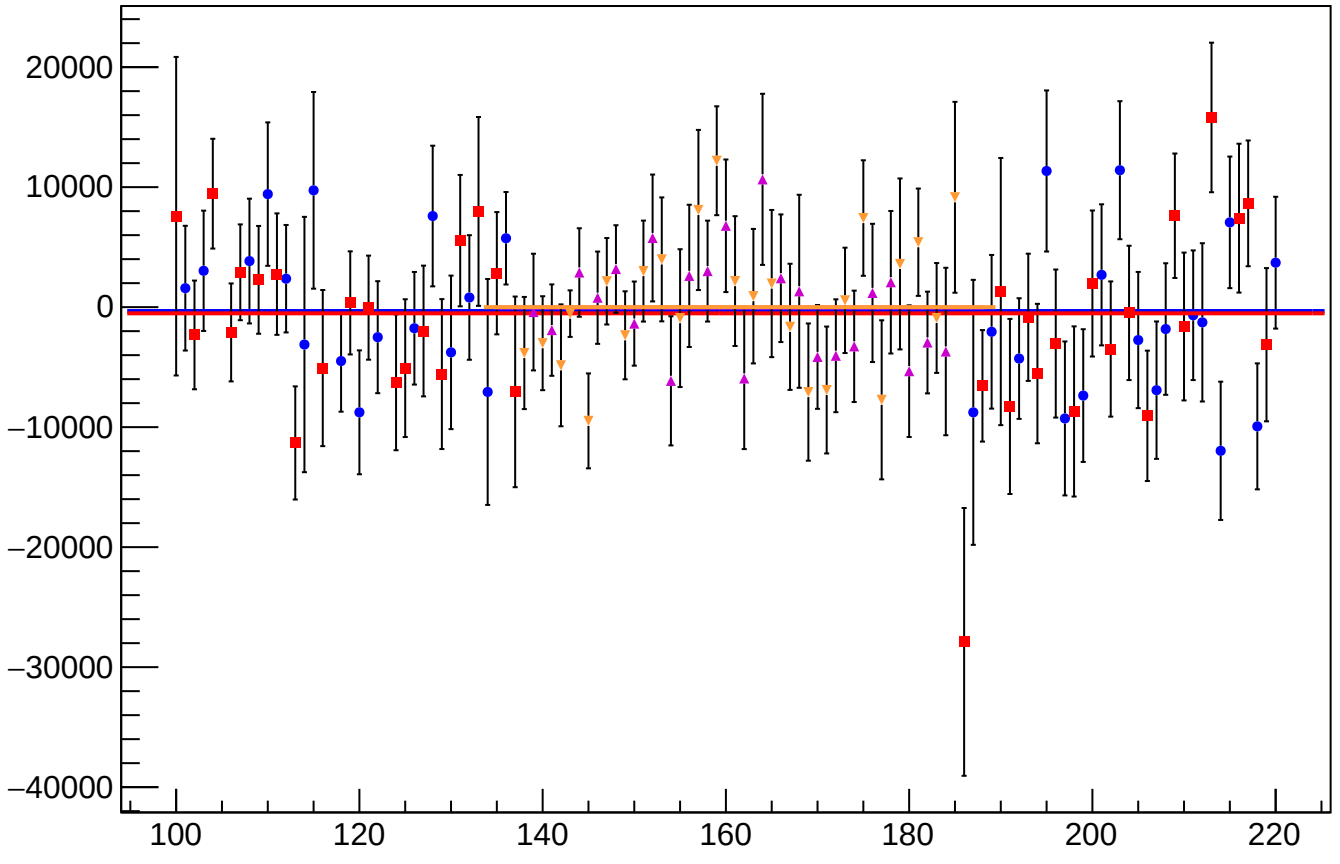
Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.110+/-0.142 χ^2/NDF: 720137.4/57

All: 1273.555+/-0.101 χ^2/NDF: 1259505.6/11

- sign 1274.010+/-0.144 χ^2/NDF: 539348.4/59



Right In: -324.066+/-968.908 χ^2/NDF: 38.6/32

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

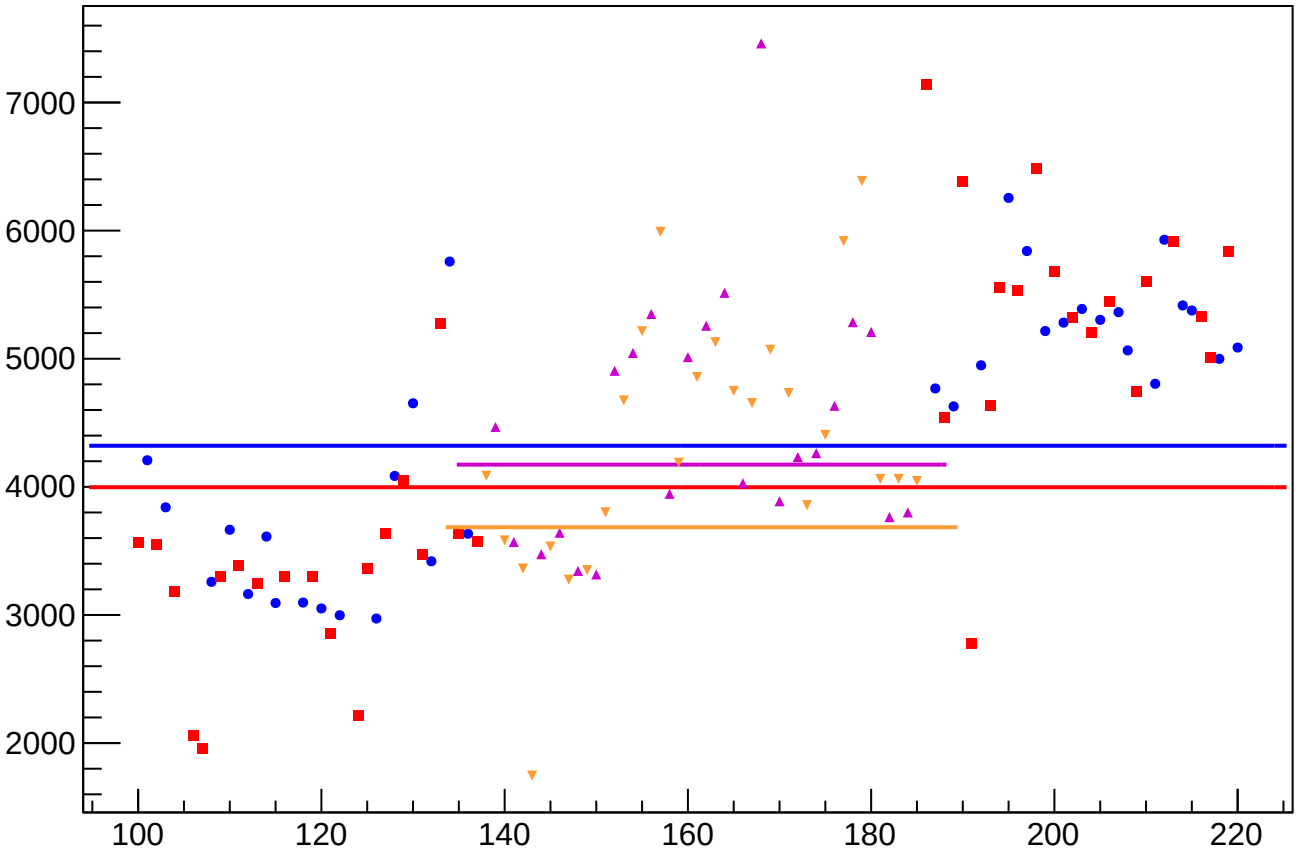
Right Out: -515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -147.960+/-654.042 χ^2/NDF: 67.7/57

All: -219.660+/-468.573 χ^2/NDF: 128.8/117

- sign -295.269+/-671.633 χ^2/NDF: 61.1/59



Right In: 4320.846+/-0.685 χ^2/NDF: 2117954.0/32

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

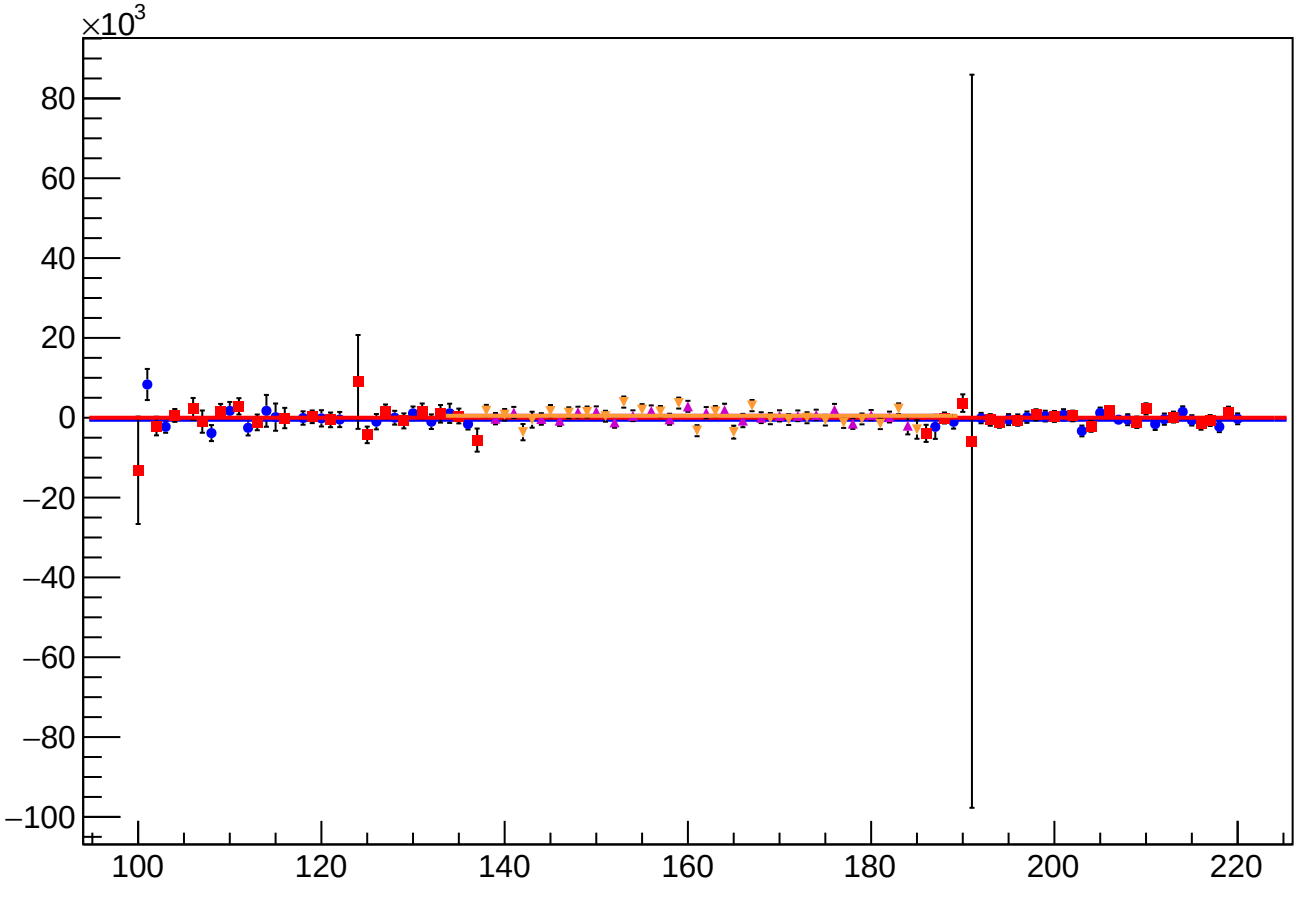
Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3974.603+/-0.462 χ^2/NDF: 6280844.1/57

All: 4024.598+/-0.331 χ^2/NDF: 11411367.7/1

\- sign 4077.317+/-0.475 χ^2/NDF: 5106515.0/59



Right In: -508.439+/-280.525 χ^2/NDF: 26.2/32

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

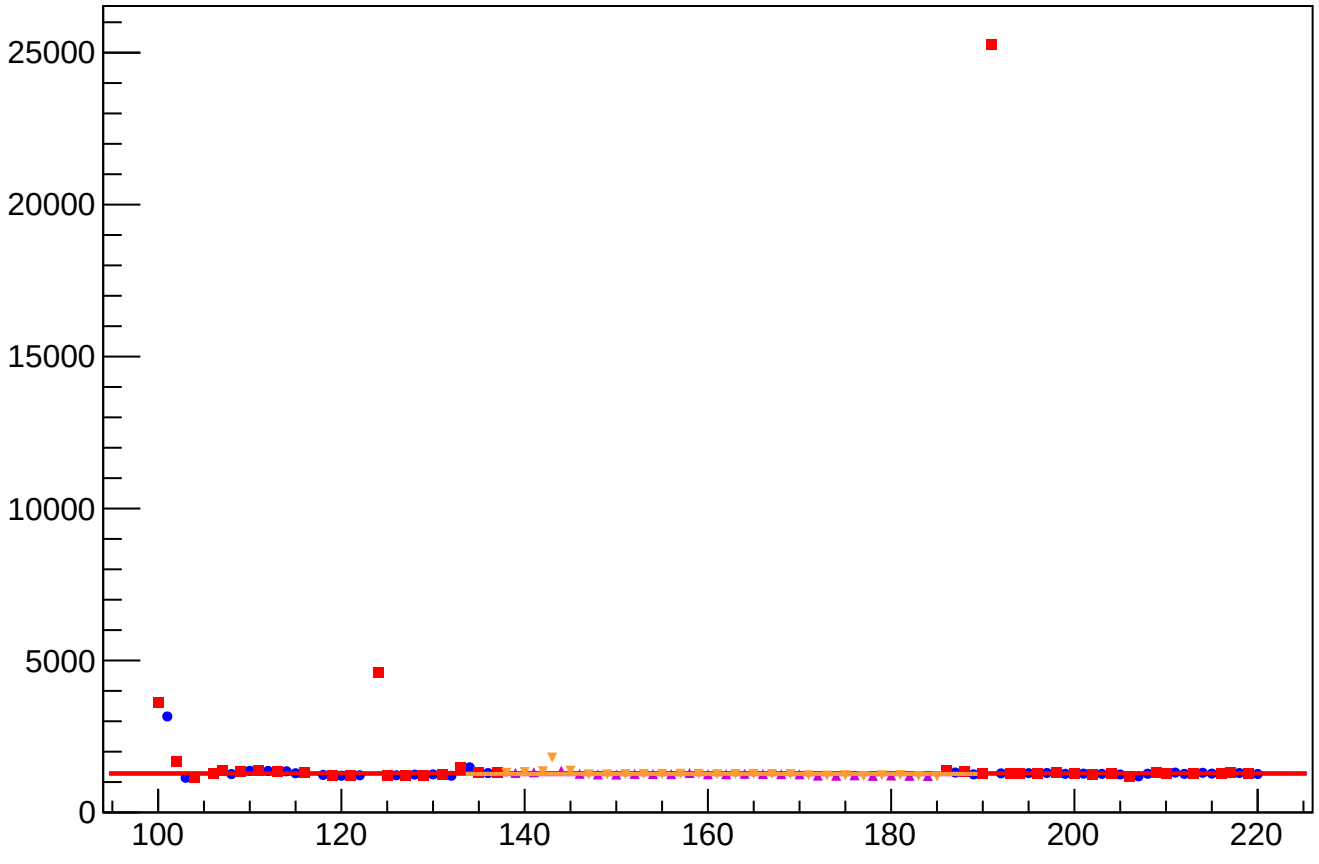
Right Out: 0.721+/-282.033 χ^2/NDF: 33.9/36

Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign -22.191+/-201.120 χ^2/NDF: 79.3/57

All: 104.339+/-143.030 χ^2/NDF: 129.9/117

- sign 233.819+/-203.450 χ^2/NDF: 49.8/59



Right In: 1278.917+/-0.198 χ^2/NDF: 530828.0/32

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

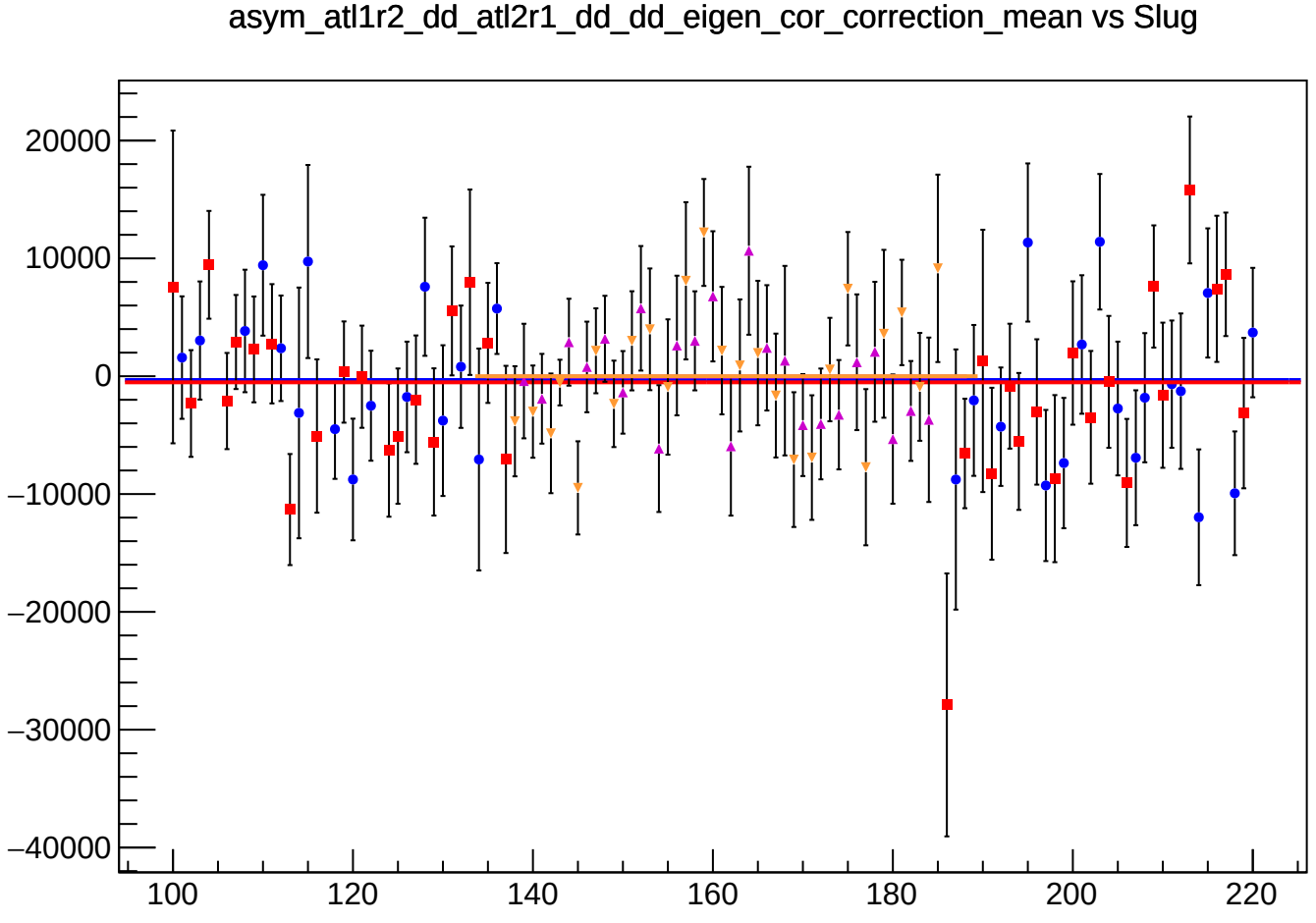
Right Out: 1289.161+/-0.199 χ^2/NDF: 490475.5/36

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.110+/-0.142 χ^2/NDF: 720137.4/57

All: 1273.555+/-0.101 χ^2/NDF: 1259505.6/11

- sign 1274.010+/-0.144 χ^2/NDF: 539348.4/59



Right In: -324.066+/-968.908 χ^2/NDF: 38.6/32

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

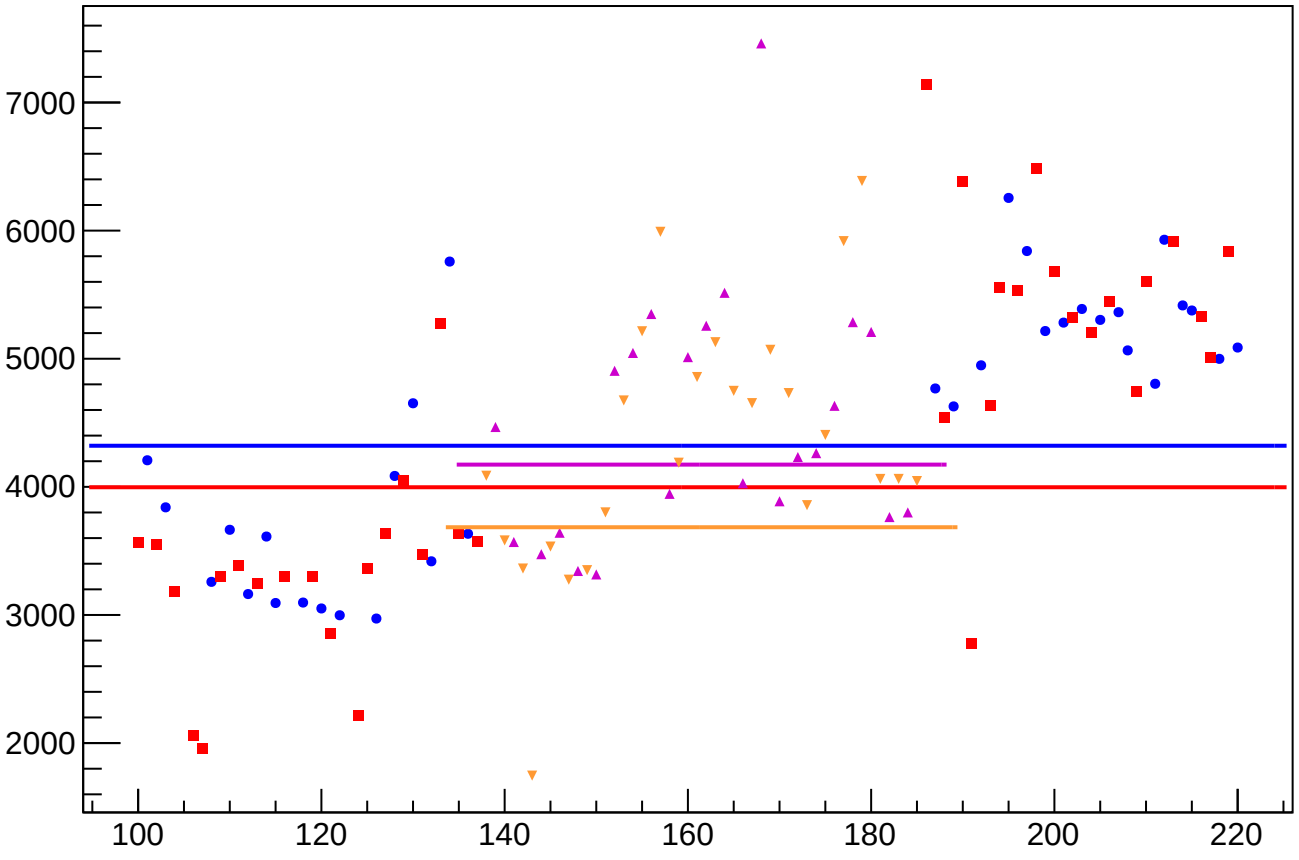
Right Out: -515.681+/-910.040 χ^2/NDF: 46.9/36

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign -147.960+/-654.042 χ^2/NDF: 67.7/57

All: -219.660+/-468.573 χ^2/NDF: 128.8/117

- sign -295.269+/-671.633 χ^2/NDF: 61.1/59



Right In: 4320.846+/-0.685 χ^2/NDF: 2117954.0/32

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

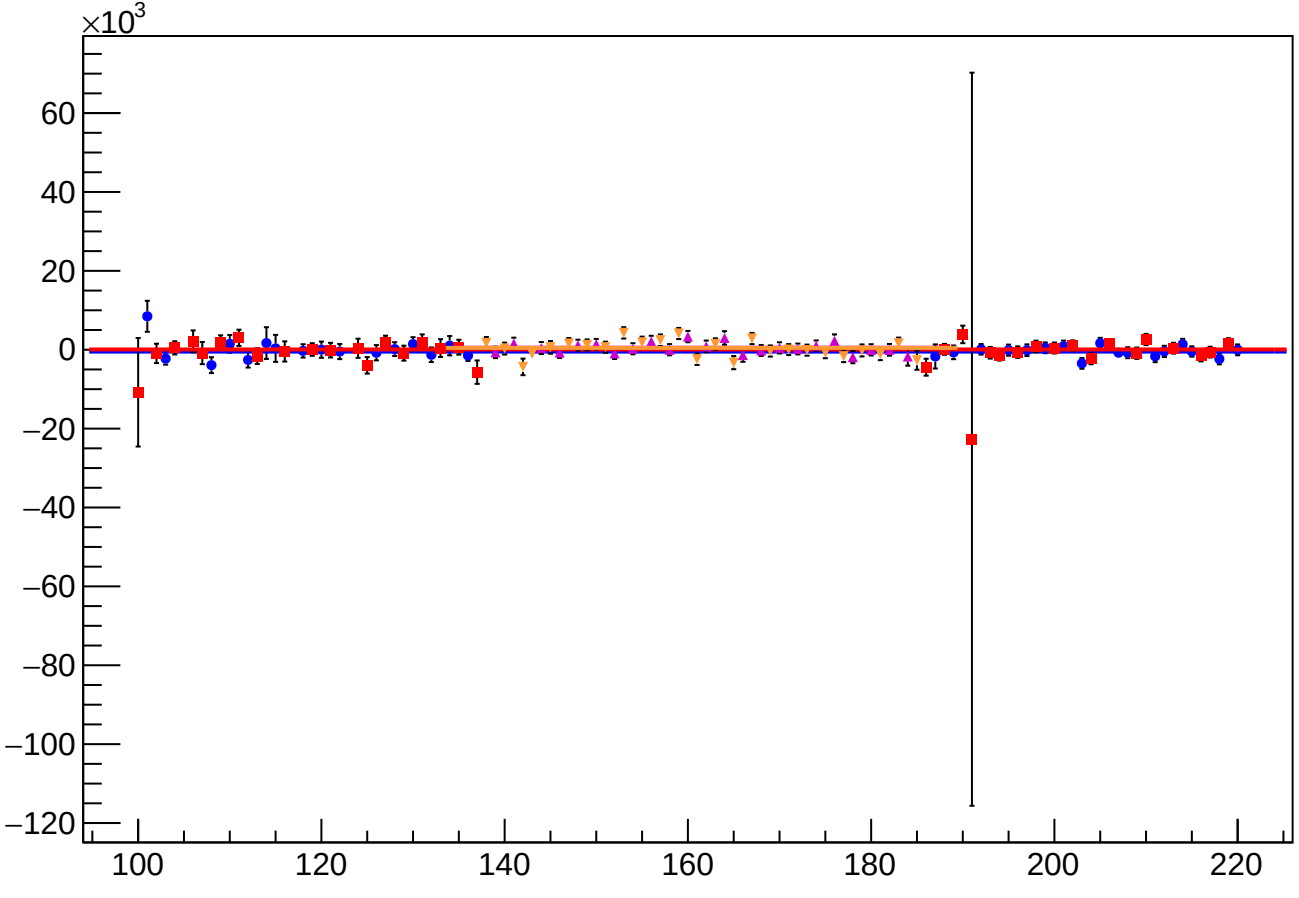
Right Out: 3996.873+/-0.643 χ^2/NDF: 3797224.6/36

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3974.603+/-0.462 χ^2/NDF: 6280844.1/57

All: 4024.598+/-0.331 χ^2/NDF: 11411367.7/1

\- sign 4077.317+/-0.475 χ^2/NDF: 5106515.0/59



Right In: -470.448+/-283.880 χ^2/NDF: 27.7/32

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: 66.239+/-284.065 χ^2/NDF: 35.1/36

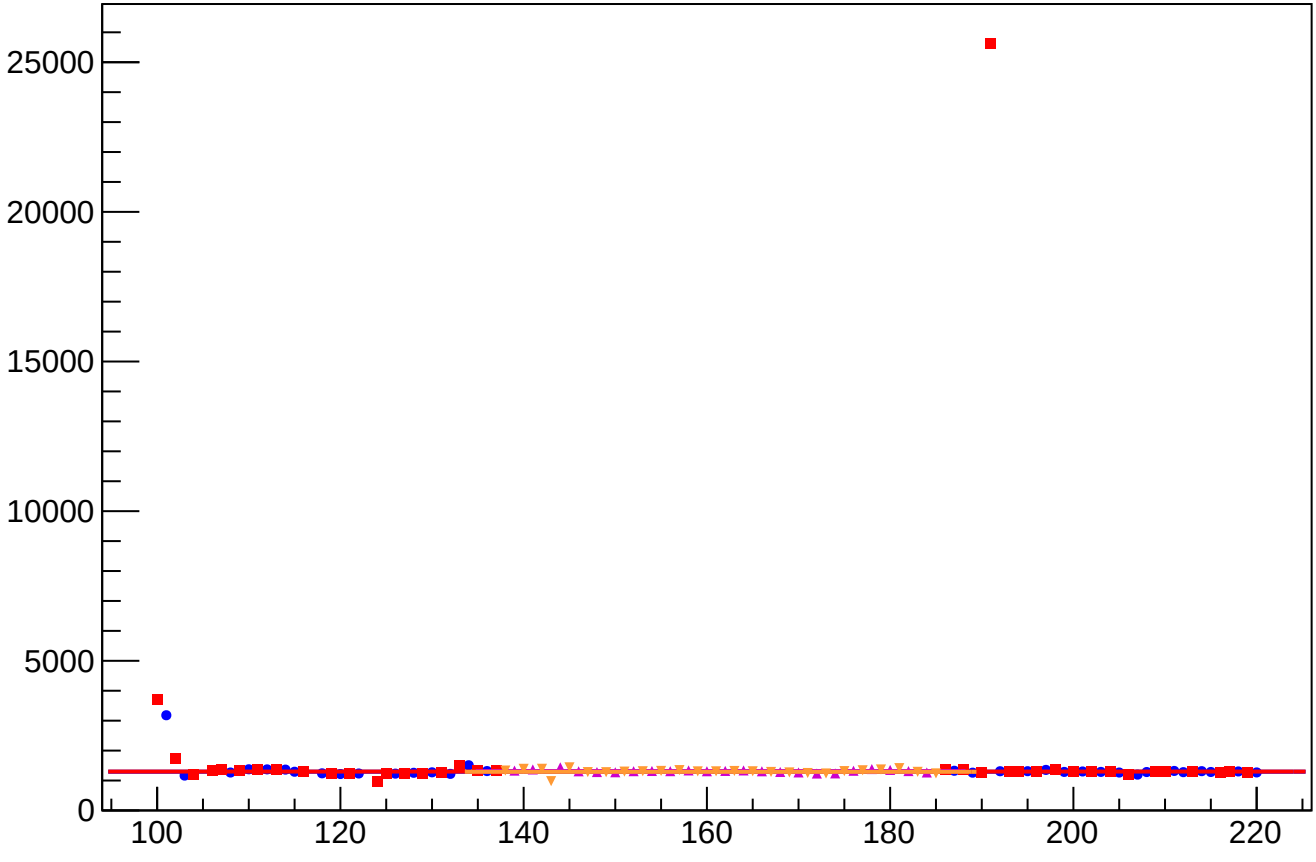
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

\+ sign -18.098+/-204.303 χ^2/NDF: 77.0/57

All: 121.989+/-145.932 χ^2/NDF: 131.6/117

\- sign 267.916+/-208.519 χ^2/NDF: 53.6/59

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1294.108+/-0.201 χ^2/NDF: 530919.3/32

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

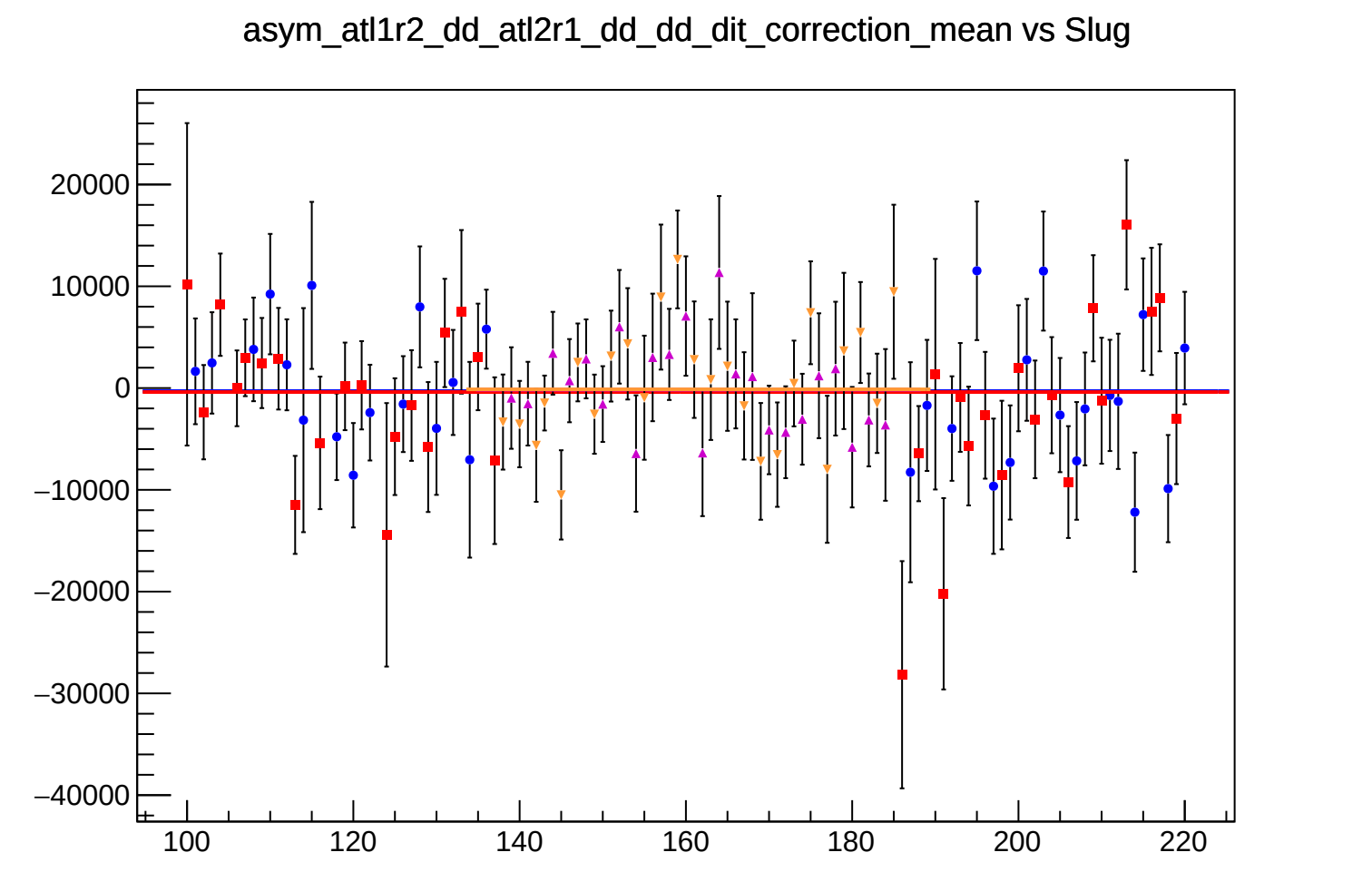
Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.2/36

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1292.711+/-0.144 χ^2/NDF: 761754.9/57

All: 1299.325+/-0.103 χ^2/NDF: 1190902.9/11

- sign 1306.213+/-0.147 χ^2/NDF: 424869.1/59



Right In: -299.963+/-974.878 χ^2/NDF: 38.5/32

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

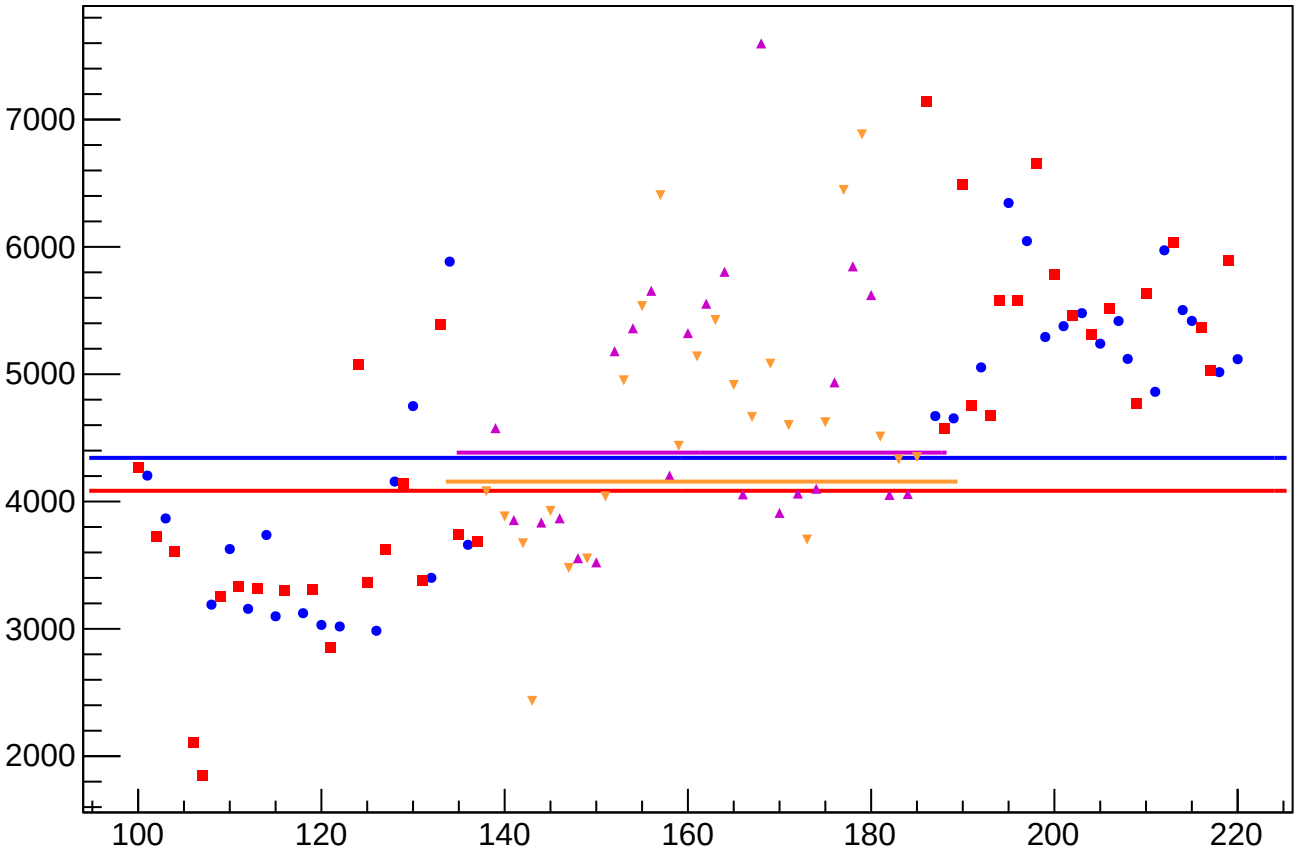
Right Out: -389.692+/-924.704 χ^2/NDF: 48.5/36

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign -213.826+/-690.173 χ^2/NDF: 67.1/57

All: -251.097+/-488.902 χ^2/NDF: 129.4/117

- sign -288.637+/-692.656 χ^2/NDF: 62.3/59



Right In: 4342.960+/-0.689 χ^2/NDF: 2219094.7/32

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

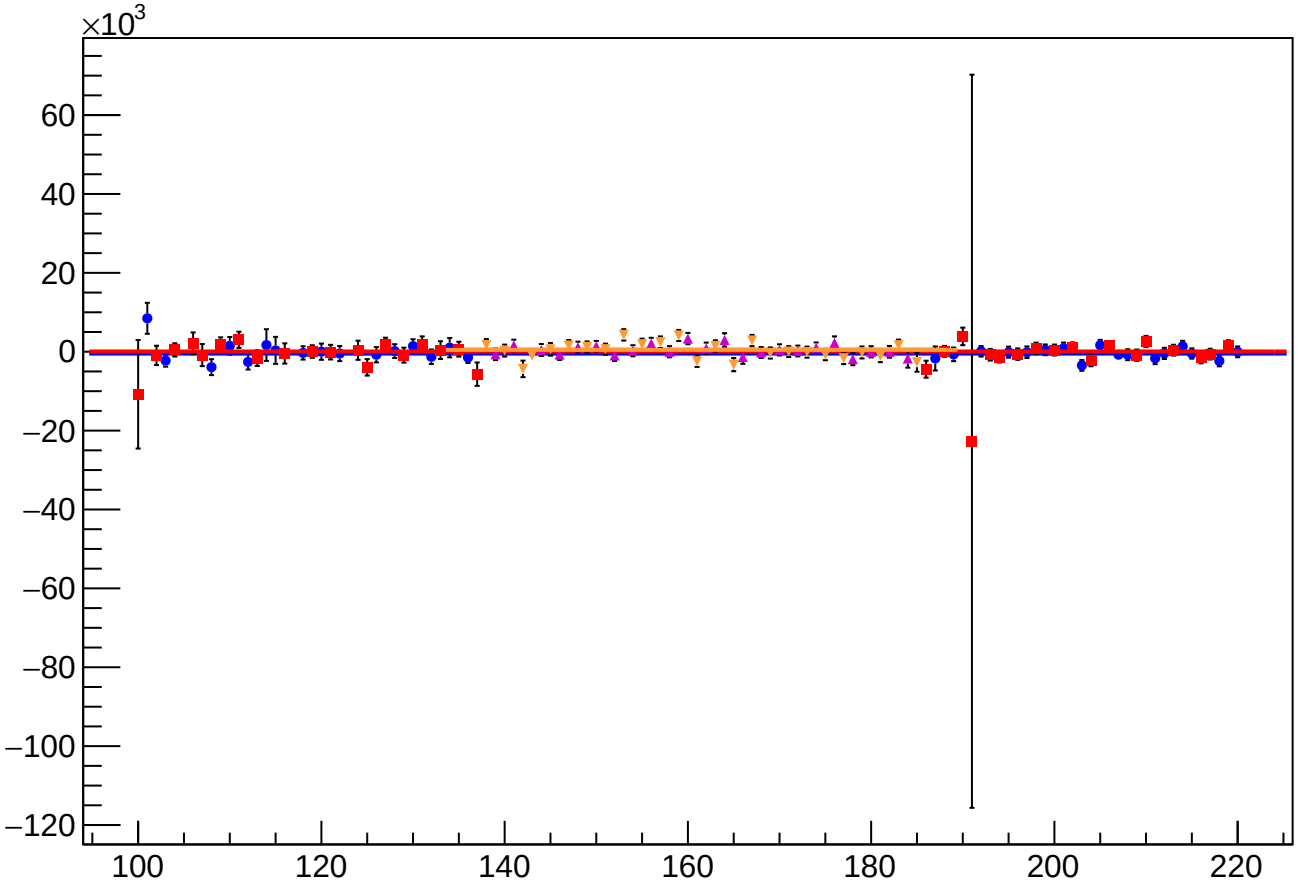
Right Out: 4084.304+/-0.654 χ^2/NDF: 3814574.7/36

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4249.995+/-0.488 χ^2/NDF: 4336323.0/57

All: 4233.052+/-0.346 χ^2/NDF: 9501193.8/11

- sign 4215.986+/-0.490 χ^2/NDF: 5162451.5/59



Right In: -470.446+/-283.880 χ^2/NDF: 27.7/32

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

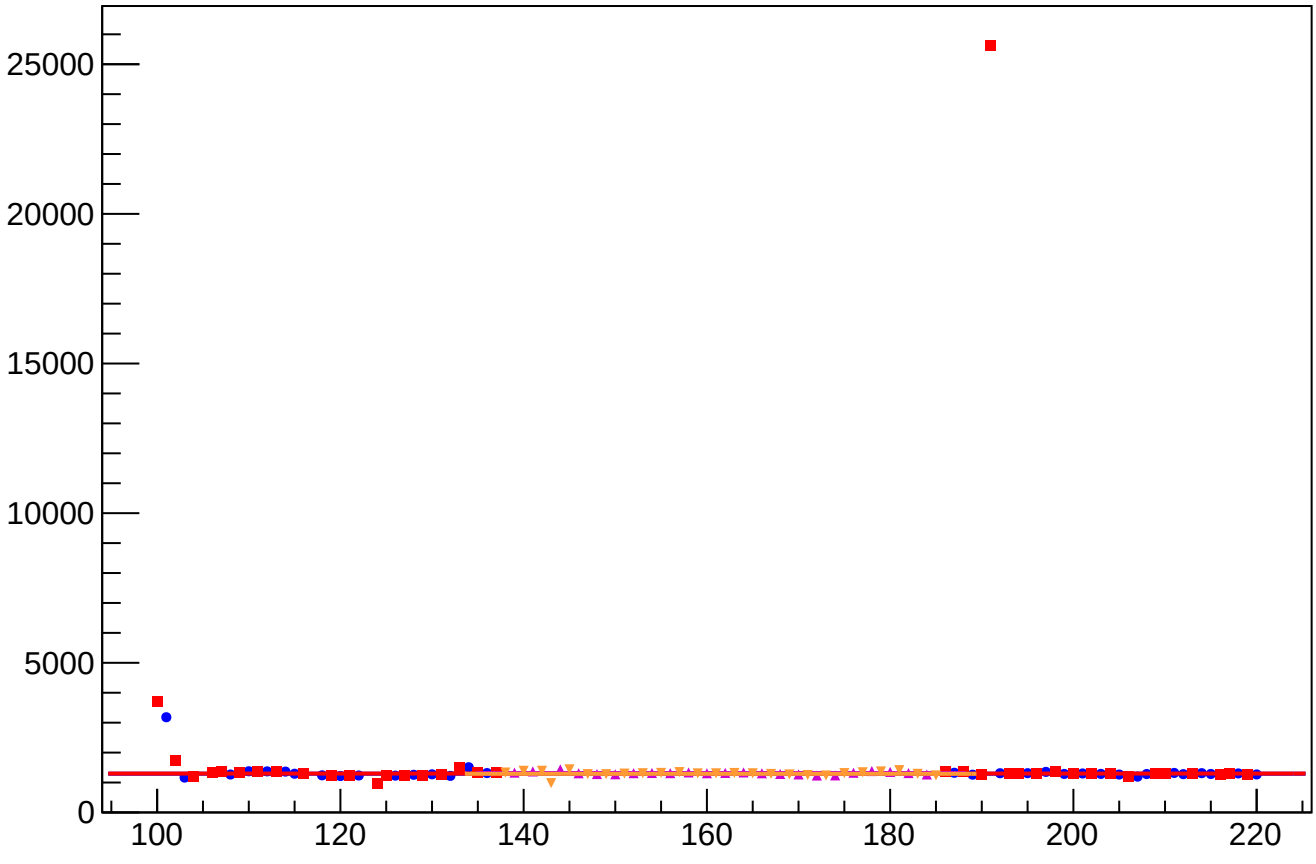
Right Out: 66.240+/-284.065 χ^2/NDF: 35.1/36

Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

\+ sign -18.095+/-204.304 χ^2/NDF: 77.0/57

All: 121.990+/-145.932 χ^2/NDF: 131.6/117

\- sign 267.916+/-208.519 χ^2/NDF: 53.6/59



Right In: 1294.108+/-0.201 χ^2/NDF: 530919.5/32

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

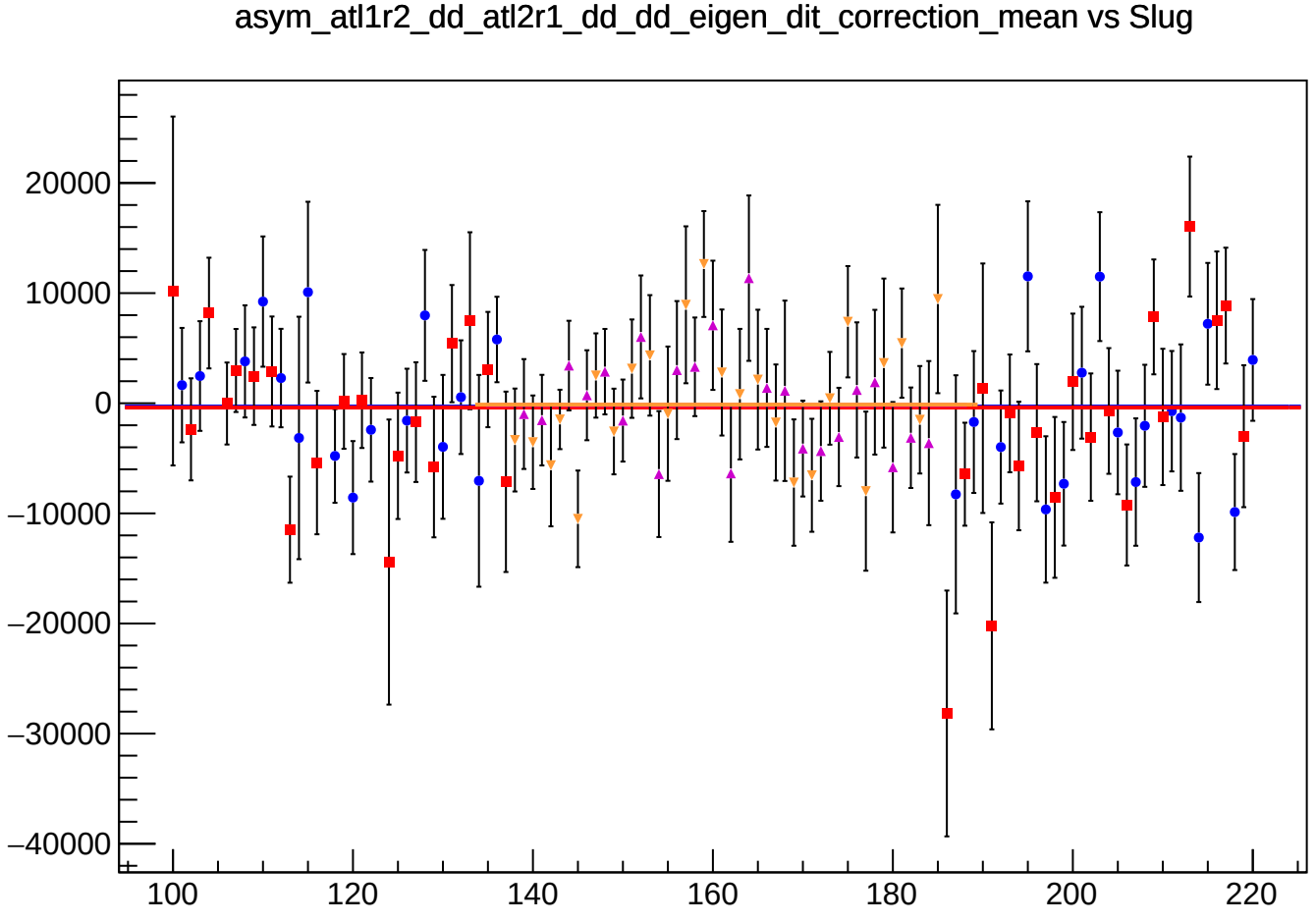
Right Out: 1299.547+/-0.201 χ^2/NDF: 379434.3/36

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1292.712+/-0.144 χ^2/NDF: 761757.4/57

All: 1299.326+/-0.103 χ^2/NDF: 1190908.0/11

- sign 1306.214+/-0.147 χ^2/NDF: 424871.7/59



Right In: -299.966+/-974.878 χ^2/NDF: 38.5/32

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

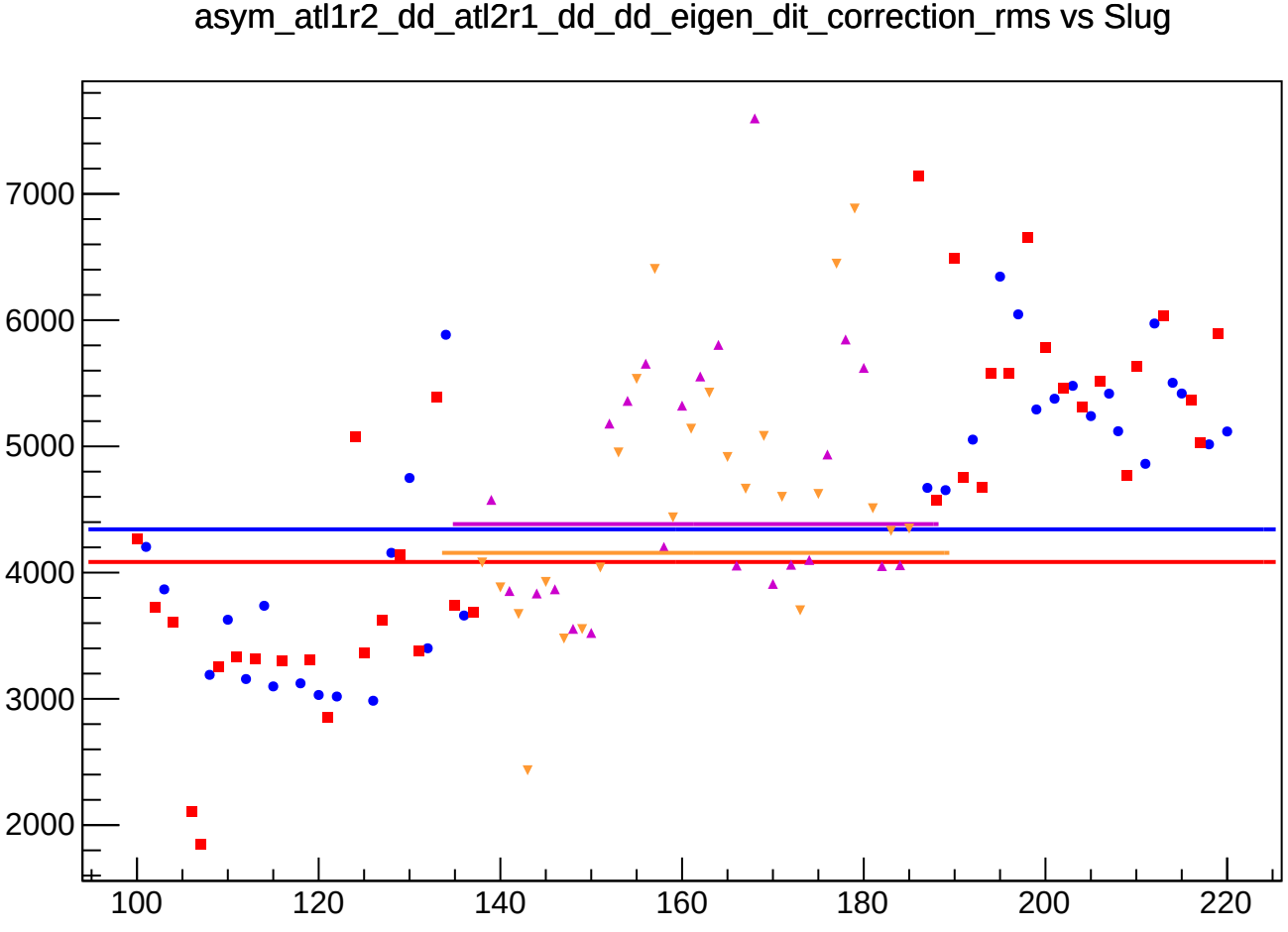
Right Out: -389.687+/-924.703 χ^2/NDF: 48.5/36

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign -213.826+/-690.174 χ^2/NDF: 67.1/57

All: -251.096+/-488.902 χ^2/NDF: 129.4/117

- sign -288.635+/-692.656 χ^2/NDF: 62.3/59



Right In: 4342.955+/-0.689 χ^2/NDF: 2219134.0/32

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 4084.299+/-0.654 χ^2/NDF: 3814613.1/36

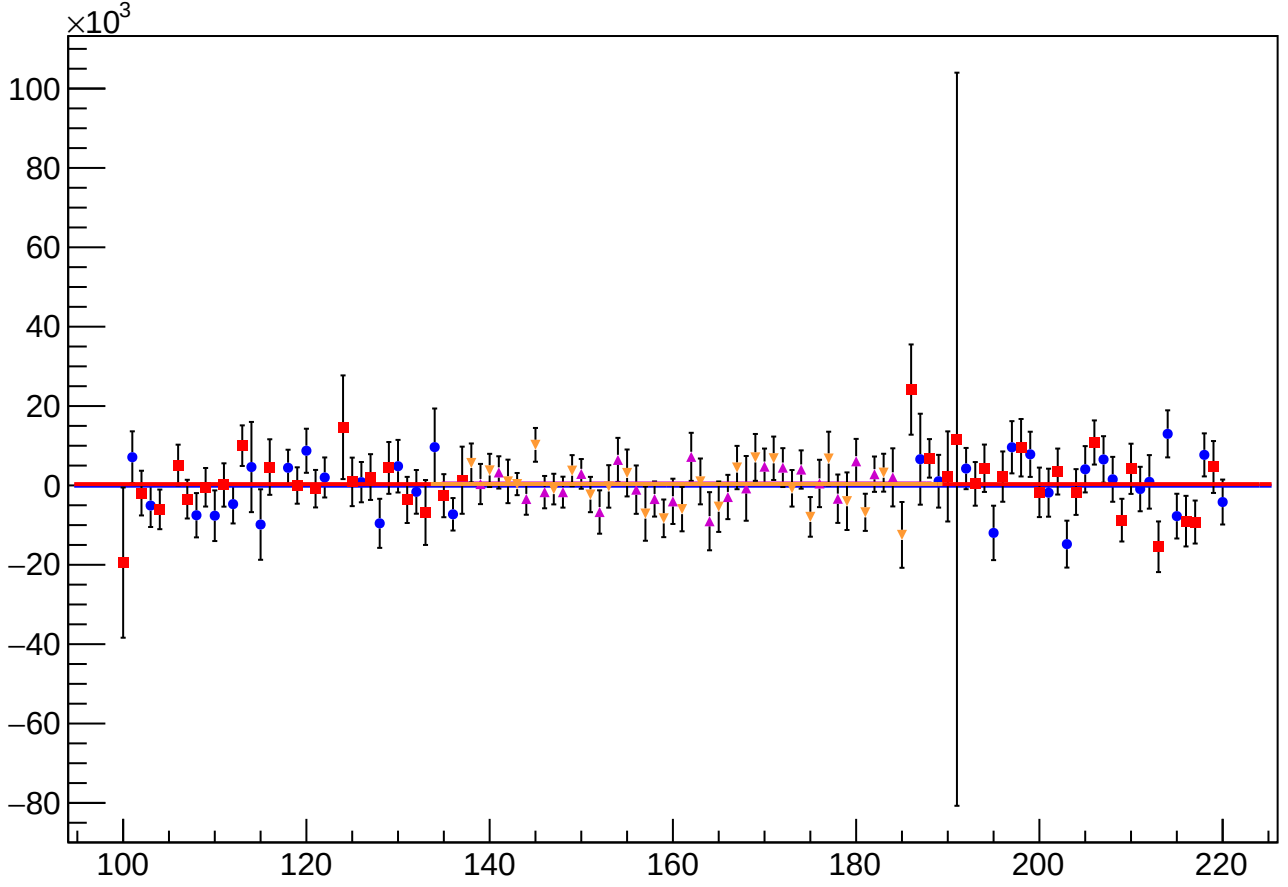
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4249.997+/-0.488 χ^2/NDF: 4336360.7/57

All: 4233.052+/-0.346 χ^2/NDF: 9501282.0/11

- sign 4215.986+/-0.490 χ^2/NDF: 5162501.6/59

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -68.894+/-1023.233 χ^2/NDF: 44.0/32

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 330.825+/-996.314 χ^2/NDF: 39.1/36

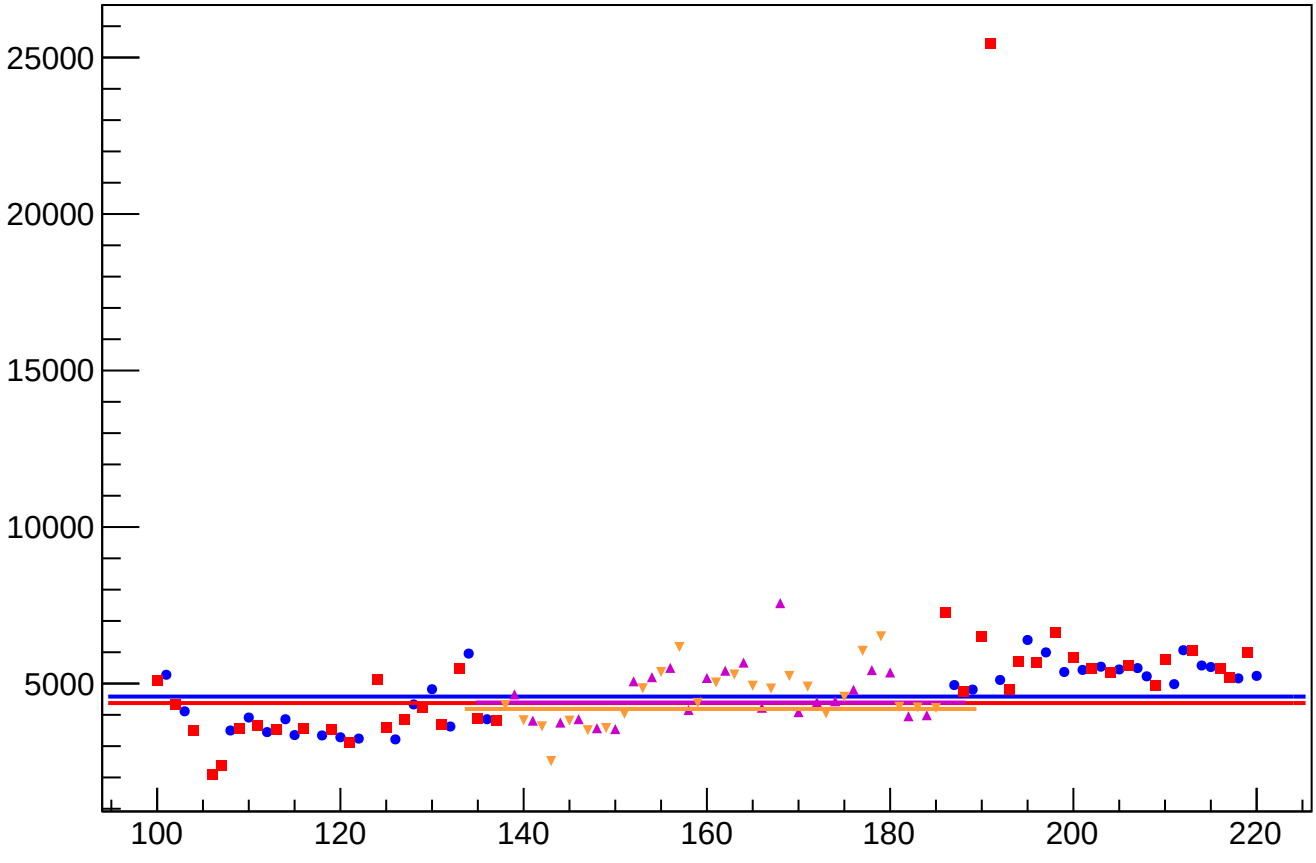
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

\+ sign 156.154+/-707.702 χ^2/NDF: 71.7/57

All: 280.824+/-505.057 χ^2/NDF: 124.8/117

\- sign 410.223+/-721.002 χ^2/NDF: 53.0/59

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4583.580+/-0.724 χ^2/NDF: 1778156.8/32

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

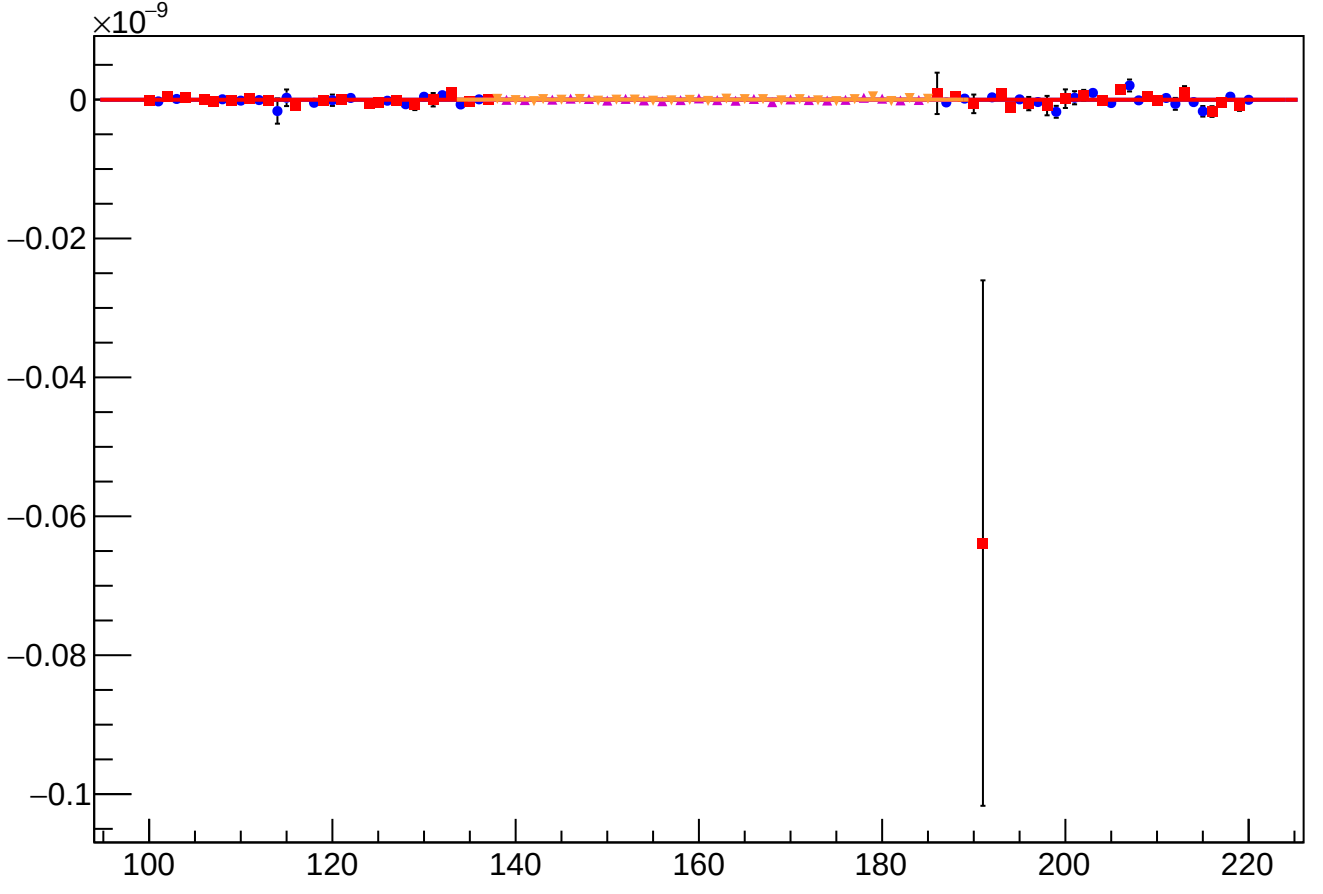
Right Out: 4376.780+/-0.699 χ^2/NDF: 3014582.8/36

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4377.150+/-0.500 χ^2/NDF: 3730550.7/57

All: 4381.052+/-0.356 χ^2/NDF: 7833949.3/11

- sign 4385.069+/-0.508 χ^2/NDF: 4103275.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 40.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

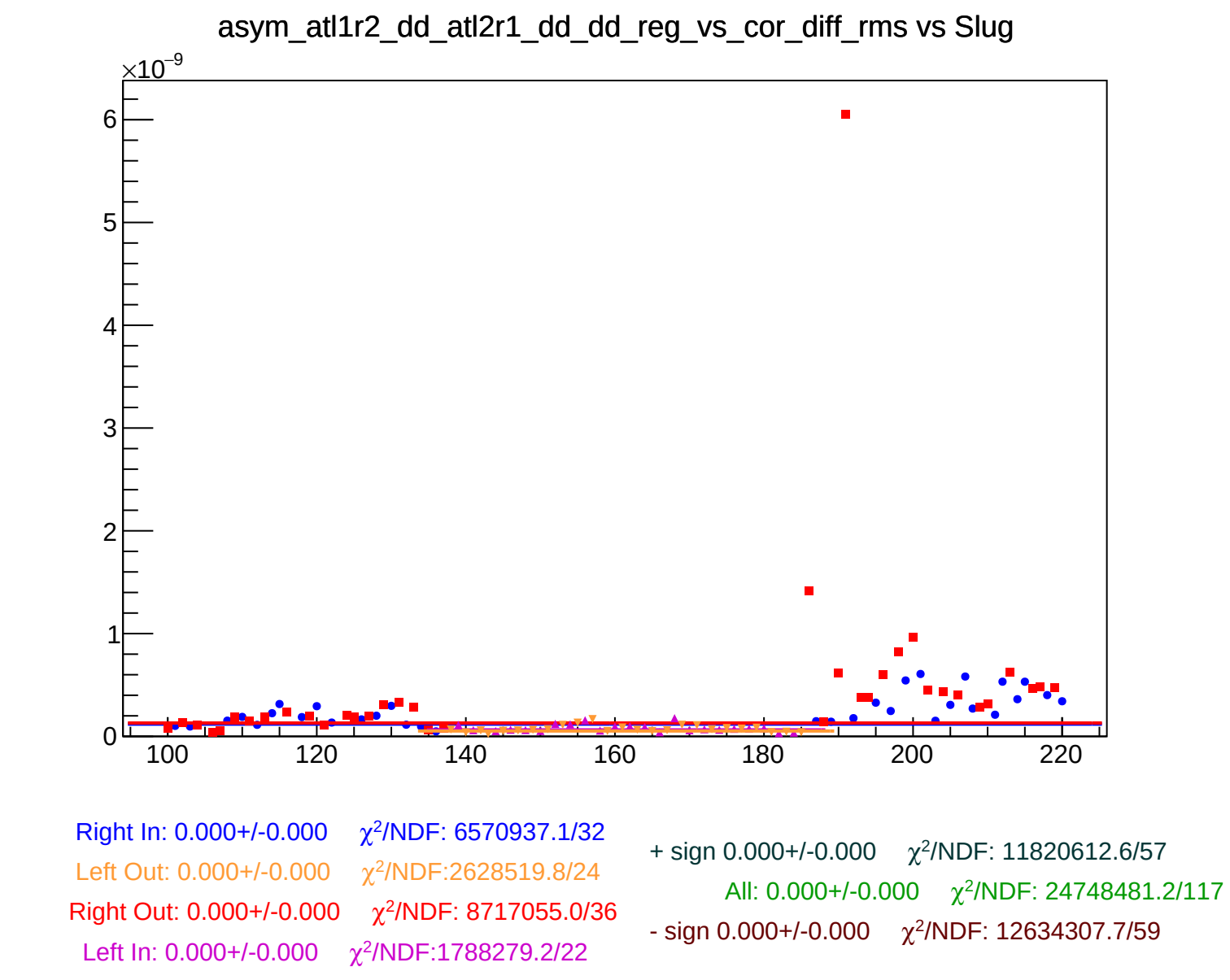
Right Out: -0.000+/-0.000 χ^2/NDF: 41.4/36

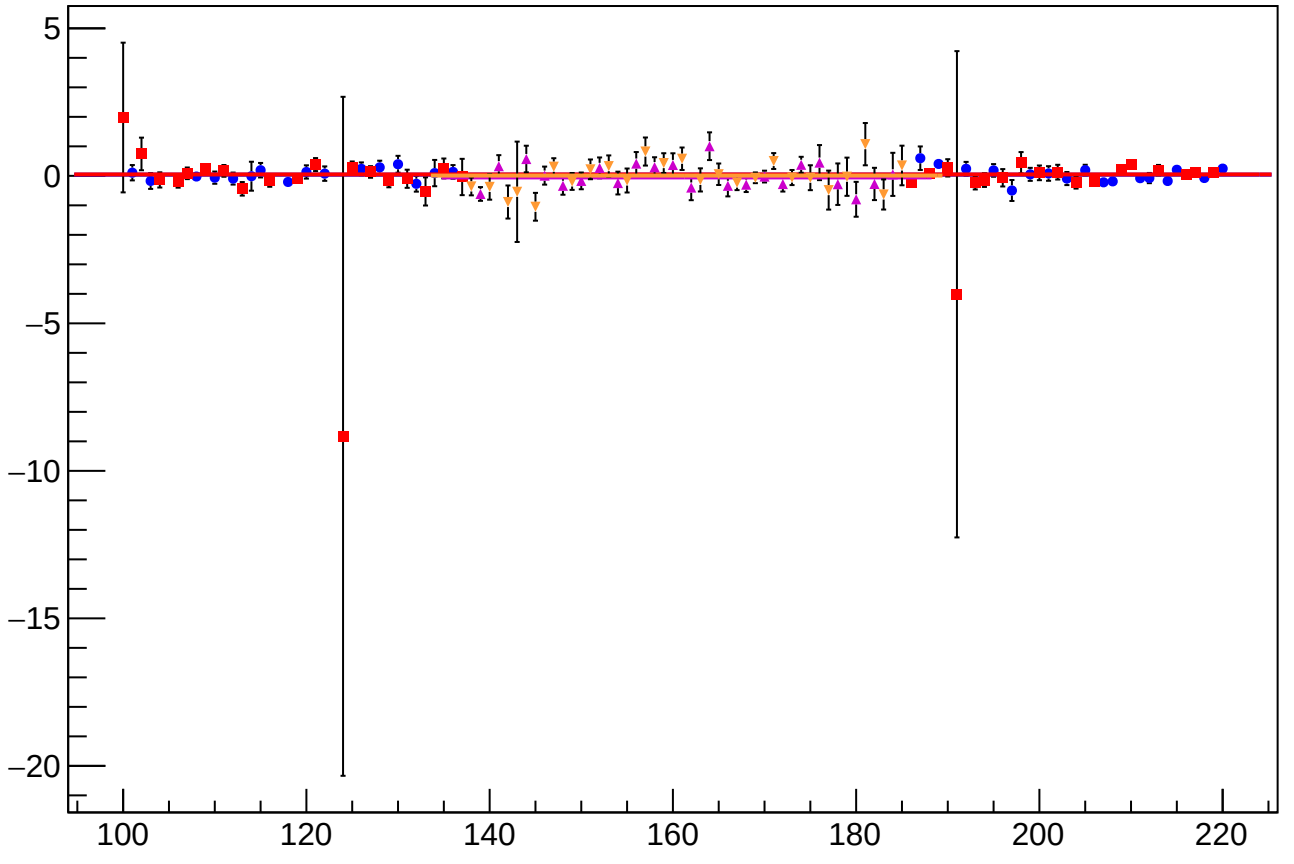
Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.5/57

All: -0.000+/-0.000 χ^2/NDF: 130.1/117

- sign -0.000+/-0.000 χ^2/NDF: 58.4/59


asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs Slug
×10^−9
6
5
4
3
2
1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 6570937.1/32
Left Out: 0.000+/-0.000 χ²/NDF:2628519.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 8717055.0/36
Left In: 0.000+/-0.000 χ²/NDF:1788279.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11820612.6/57
All: 0.000+/-0.000 χ²/NDF: 24748481.2/117
- sign 0.000+/-0.000 χ²/NDF: 12634307.7/59



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

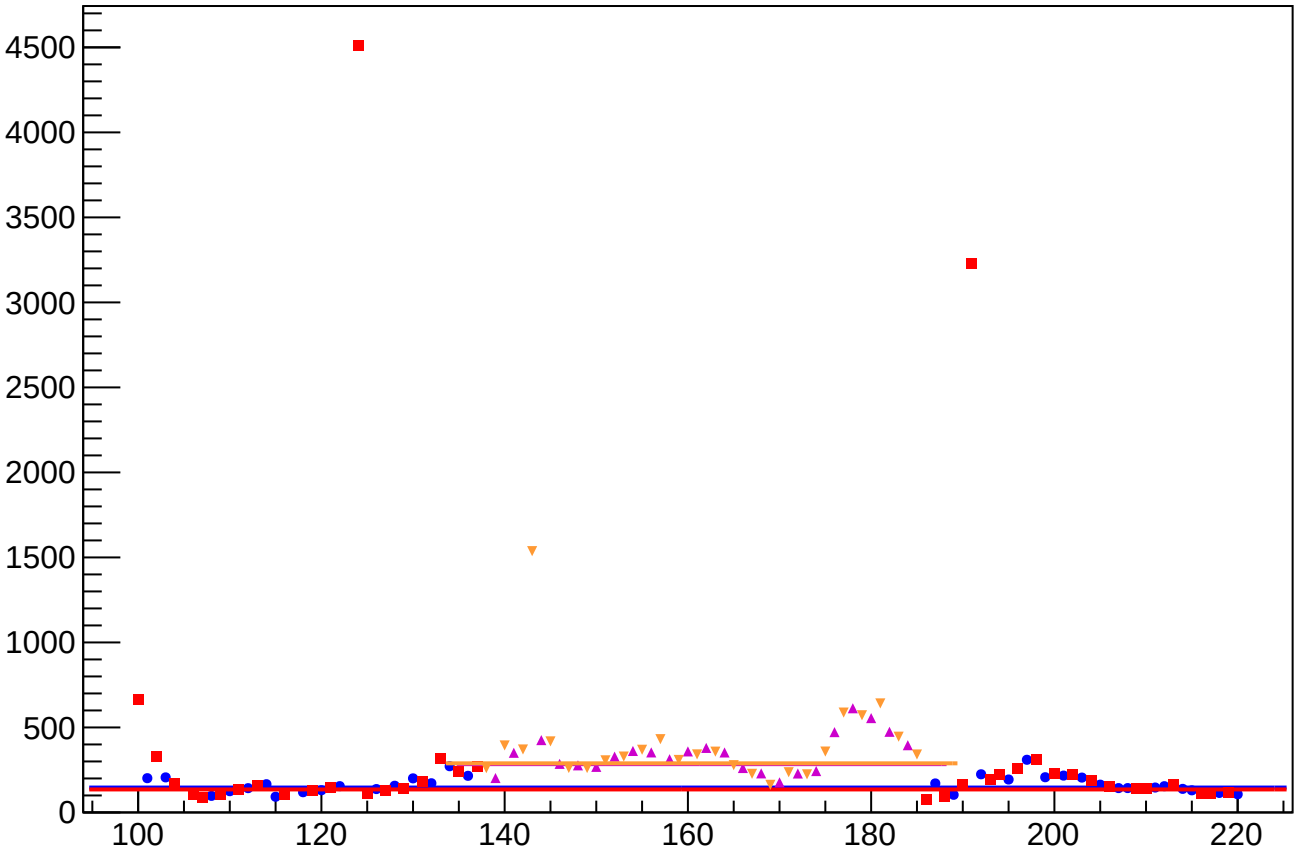
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

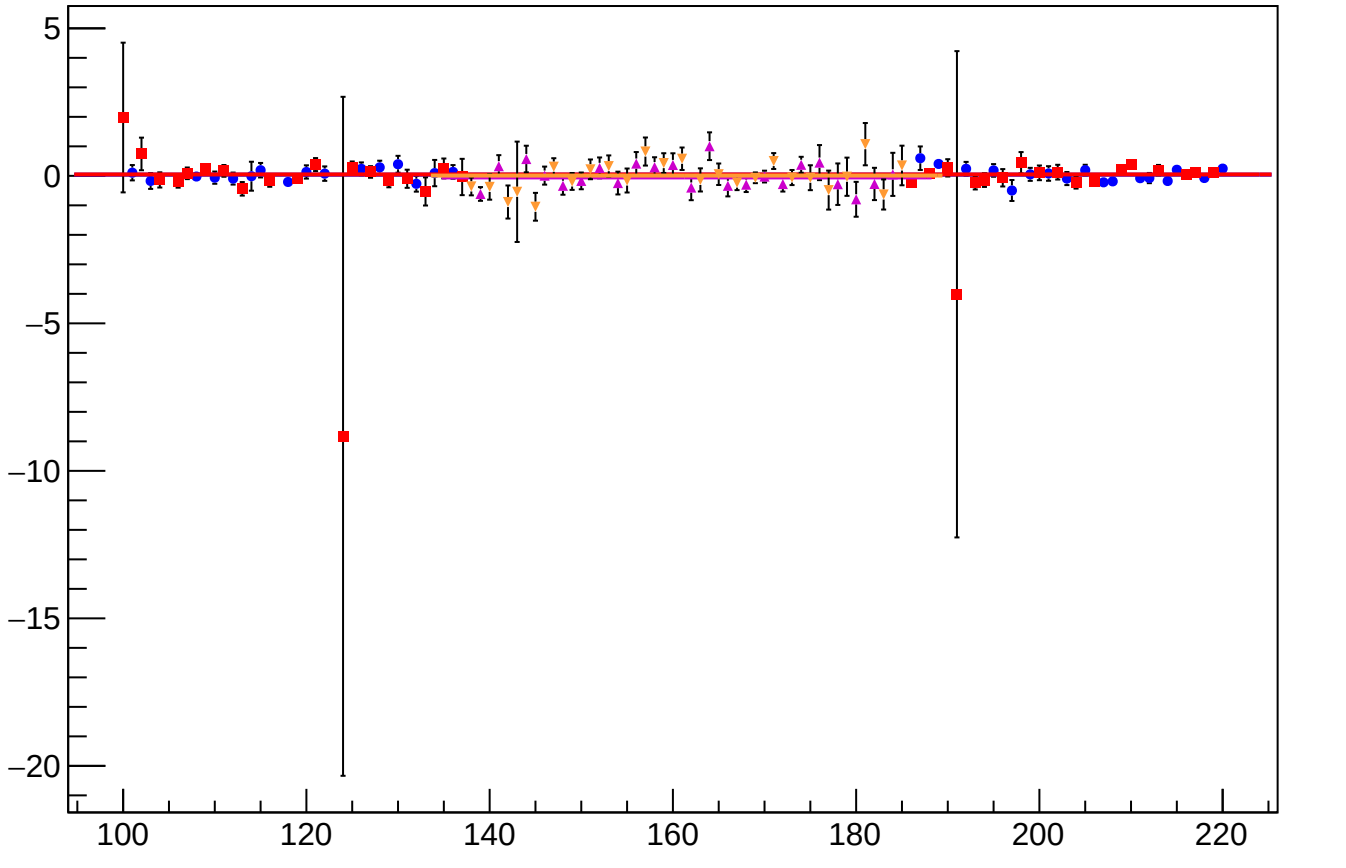
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.034+/-0.030 χ^2/NDF: 64.3/57

All: 0.032+/-0.021 χ^2/NDF: 135.3/117

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 146.450+/-0.024 χ²/NDF: 2783054.9/32
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 135.355+/-0.023 χ²/NDF: 4934682.1/36
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 172.659+/-0.022 χ²/NDF: 13999630.6/57
All: 166.570+/-0.015 χ²/NDF: 29562502.4/11
- sign 160.971+/-0.021 χ²/NDF: 15409459.6/59



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

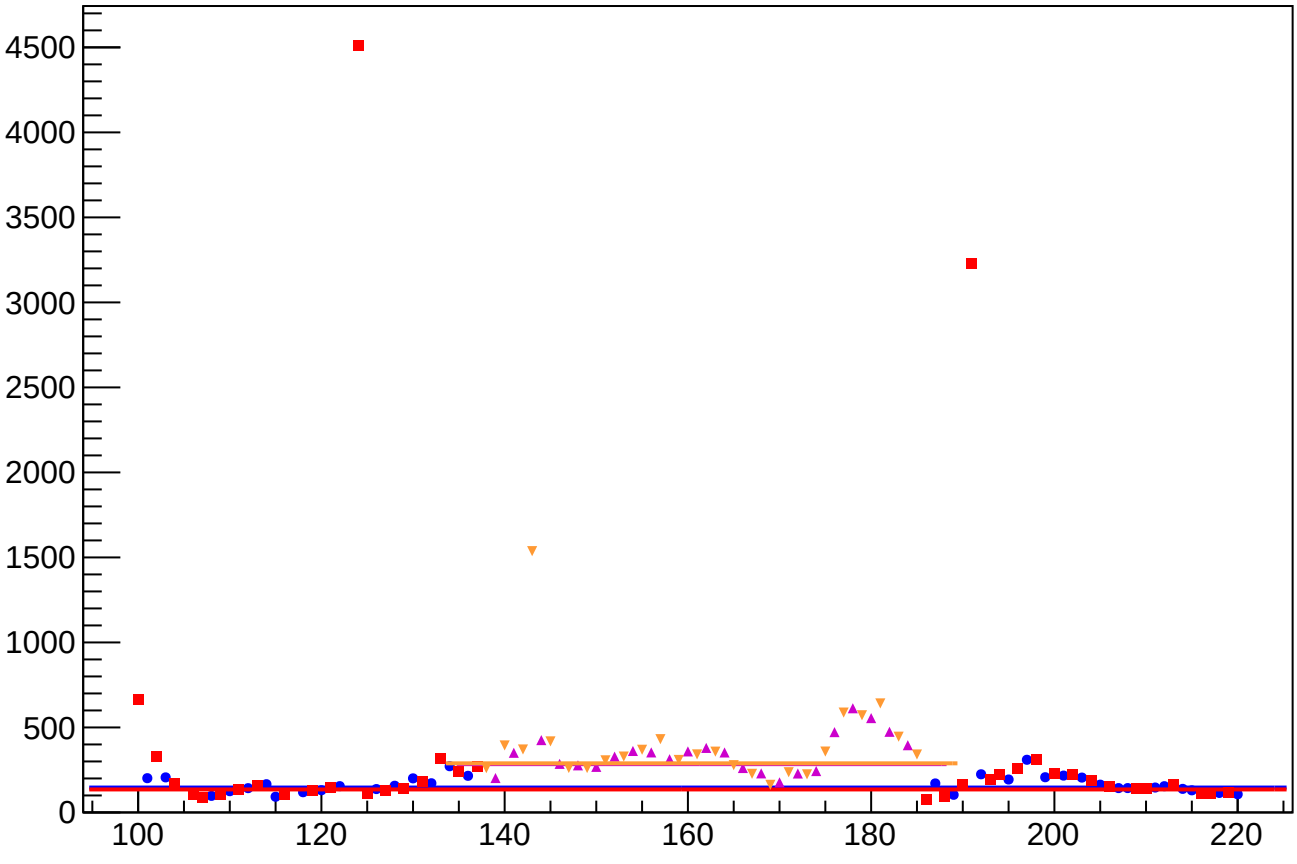
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.034+/-0.030 χ^2/NDF: 64.3/57

All: 0.032+/-0.021 χ^2/NDF: 135.3/117

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59



Right In: 146.450+/-0.024 χ^2/NDF: 2783054.9/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

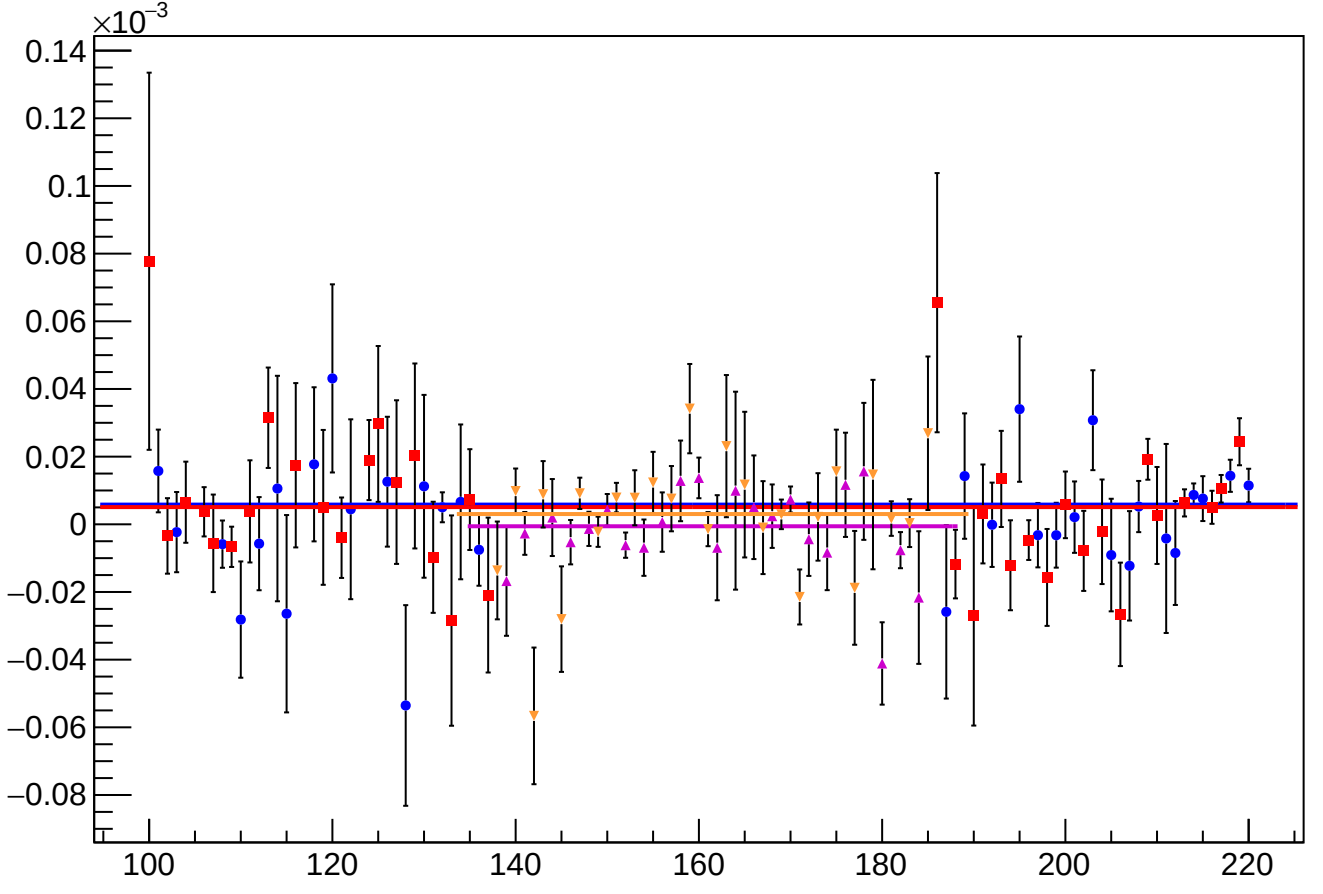
Right Out: 135.355+/-0.023 χ^2/NDF: 4934682.1/36

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 172.659+/-0.022 χ^2/NDF: 13999630.6/57

All: 166.570+/-0.015 χ^2/NDF: 29562502.4/11

- sign 160.971+/-0.021 χ^2/NDF: 15409459.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

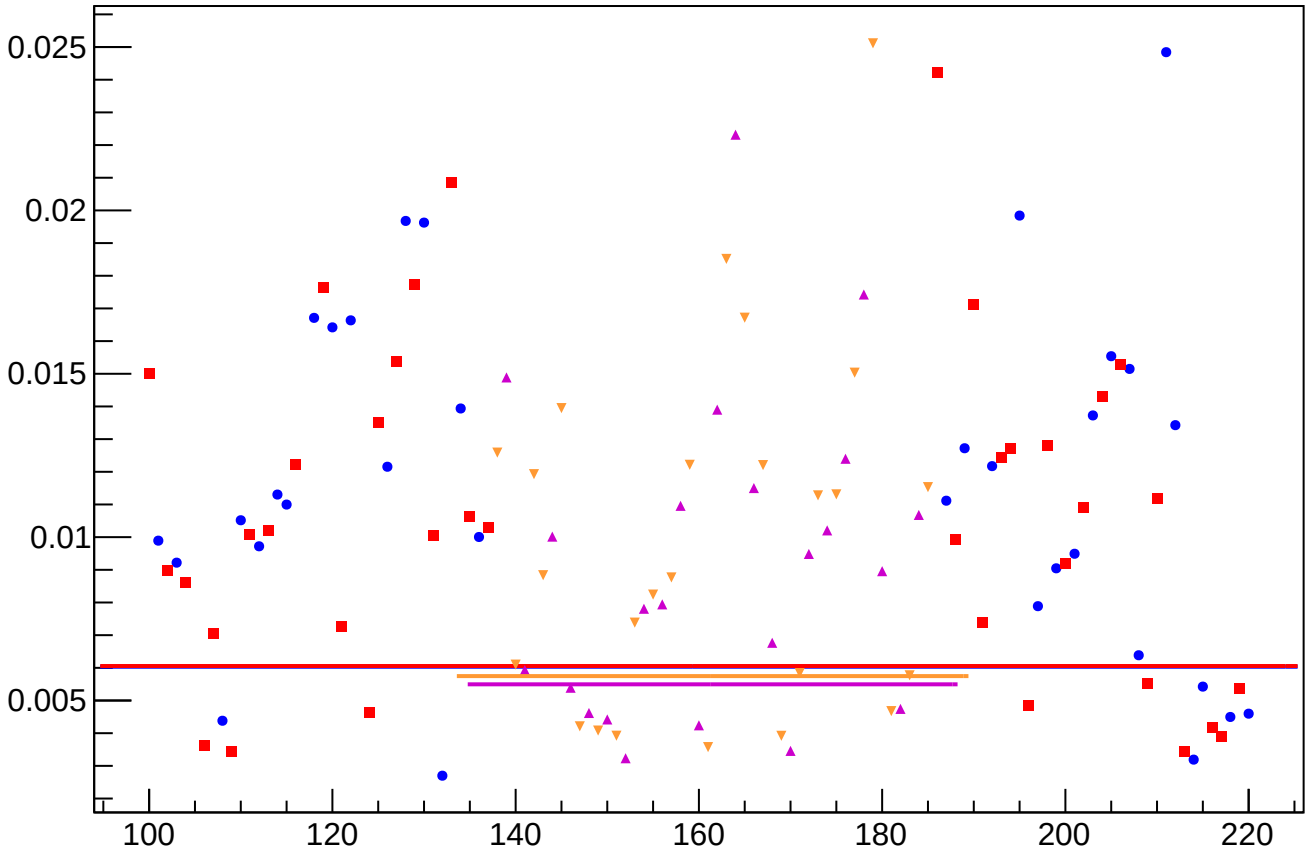
Right Out: 0.000+/-0.000 χ^2/NDF: 51.0/36

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.3/57

All: 0.000+/-0.000 χ^2/NDF: 171.2/117

- sign 0.000+/-0.000 χ^2/NDF: 90.9/59



Right In: 0.006+/-0.000 χ^2/NDF: 11804534.2/32

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

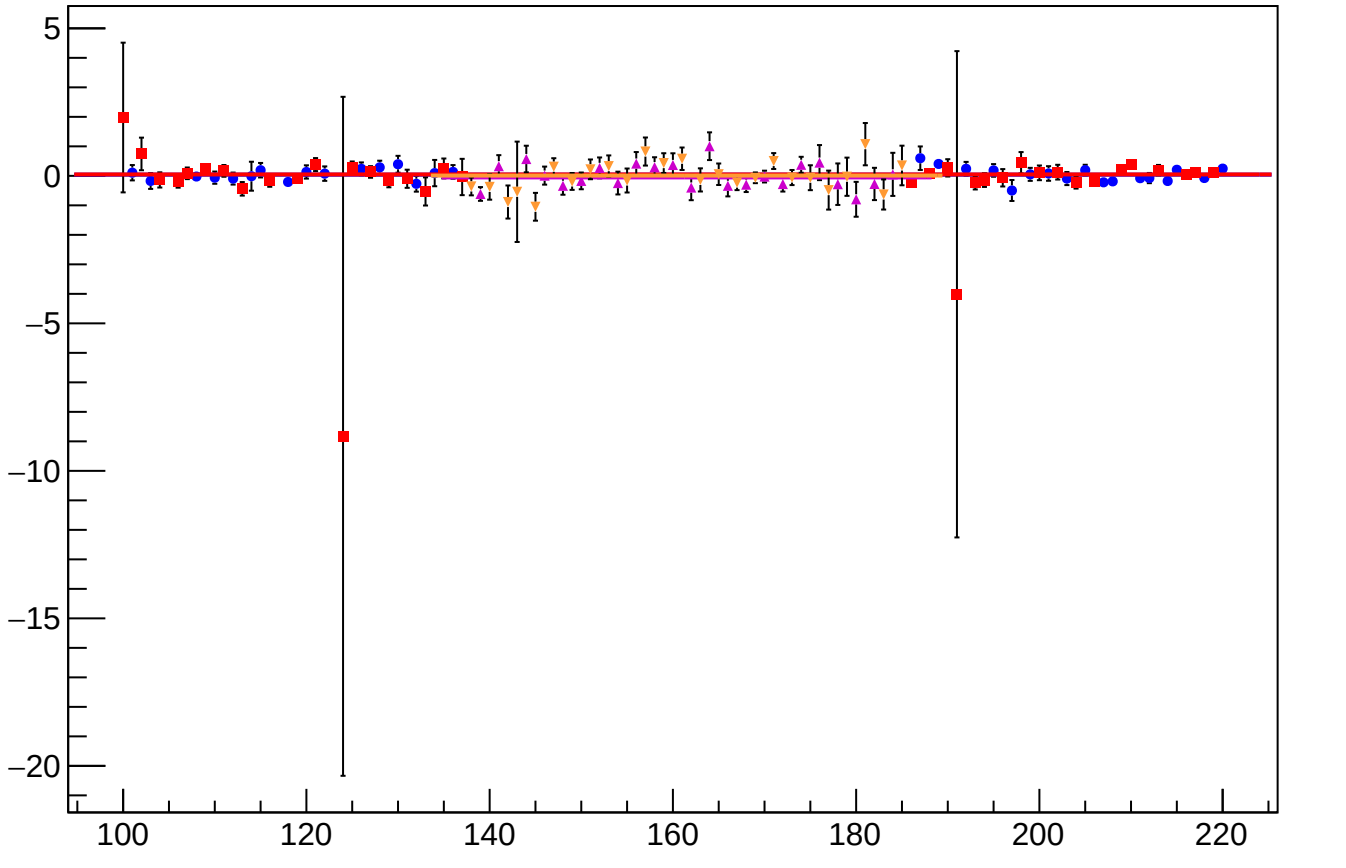
Right Out: 0.006+/-0.000 χ^2/NDF: 9867807.7/36

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 19966987.1/57

All: 0.006+/-0.000 χ^2/NDF: 36916190.5/117

\- sign 0.006+/-0.000 χ^2/NDF: 16938126.0/59



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

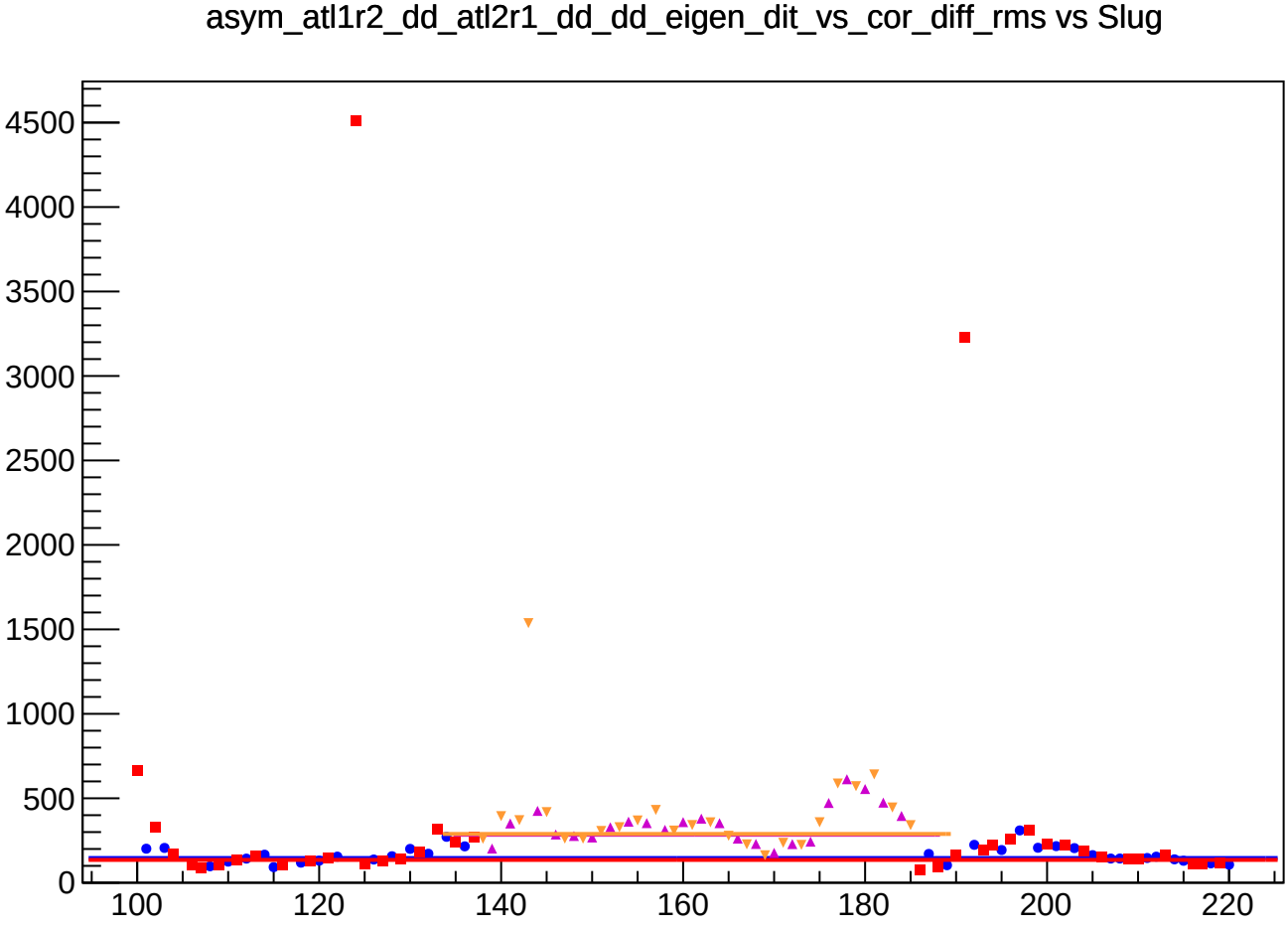
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

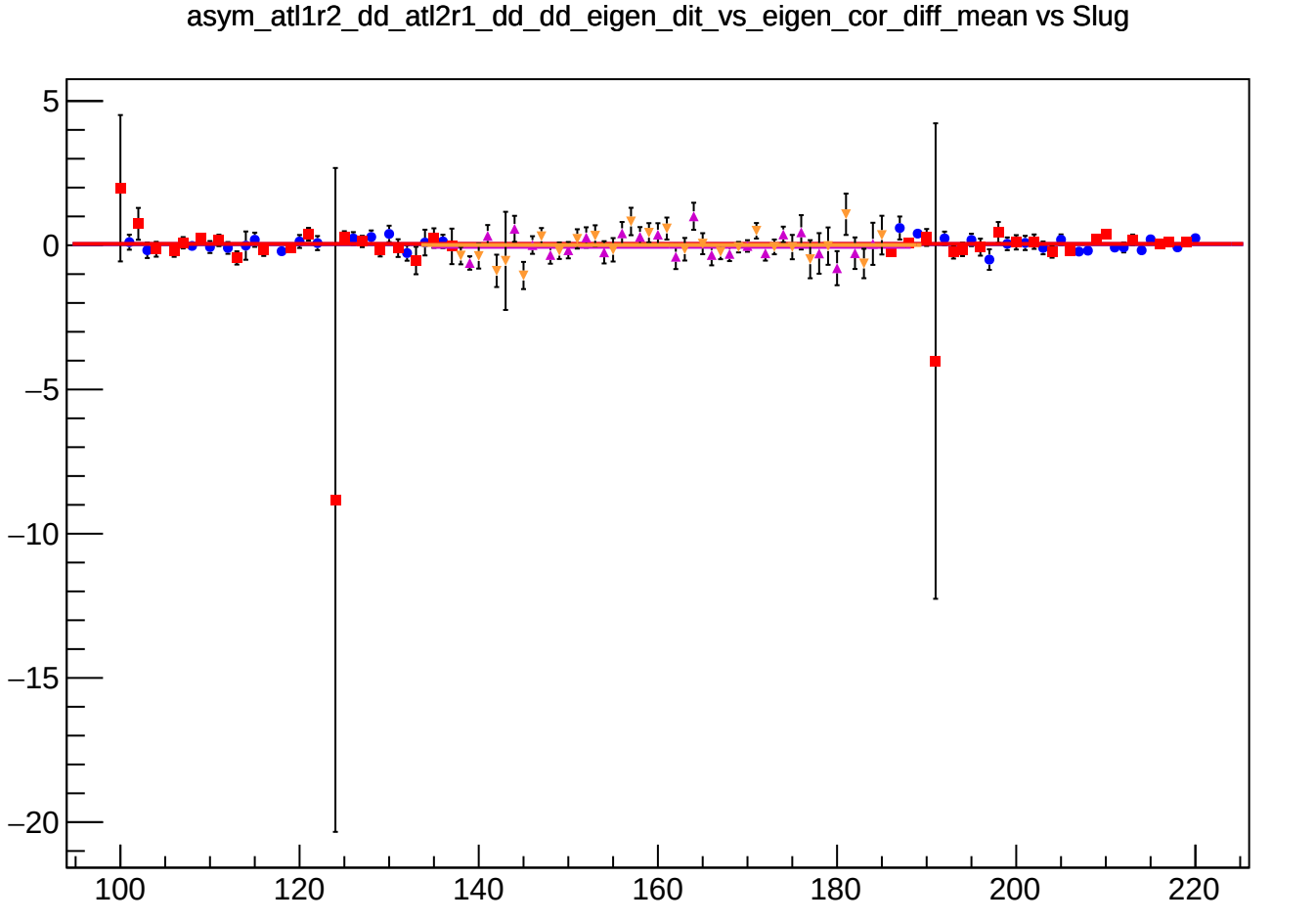
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.034+/-0.030 χ^2/NDF: 64.3/57

All: 0.032+/-0.021 χ^2/NDF: 135.3/117

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 146.450+/-0.024 χ²/NDF: 2783061.1/32
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 135.357+/-0.023 χ²/NDF: 4934505.2/36
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 172.659+/-0.022 χ²/NDF: 13999775.9/57
All: 166.571+/-0.015 χ²/NDF: 29562384.8/11
- sign 160.973+/-0.021 χ²/NDF: 15409243.8/59



Right In: 0.040+/-0.034 χ^2/NDF: 35.3/32

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

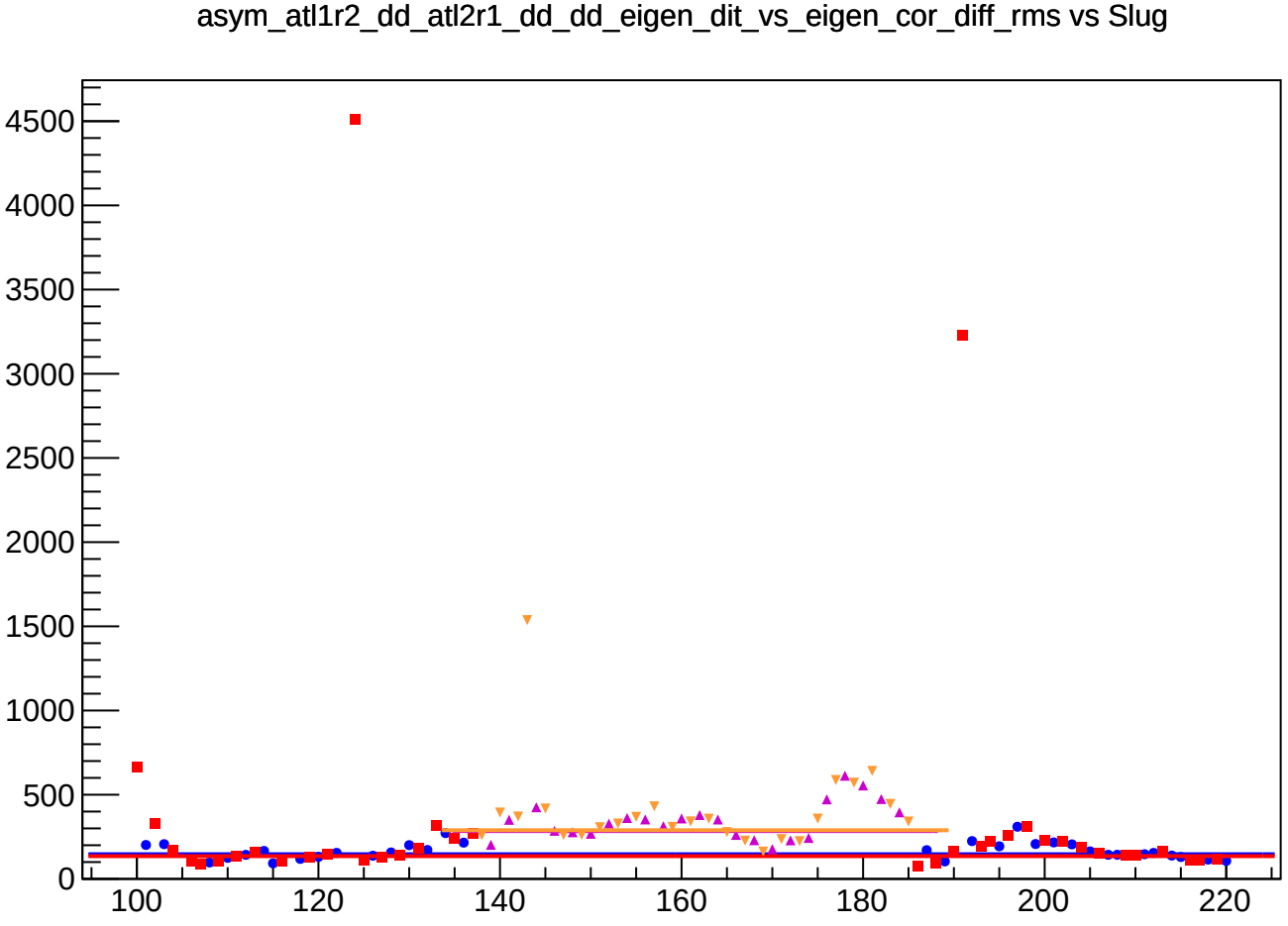
Right Out: 0.048+/-0.032 χ^2/NDF: 41.6/36

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.034+/-0.030 χ^2/NDF: 64.3/57

All: 0.032+/-0.021 χ^2/NDF: 135.3/117

- sign 0.030+/-0.029 χ^2/NDF: 71.0/59



Right In: 146.450+/-0.024 χ^2/NDF: 2783061.1/32

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

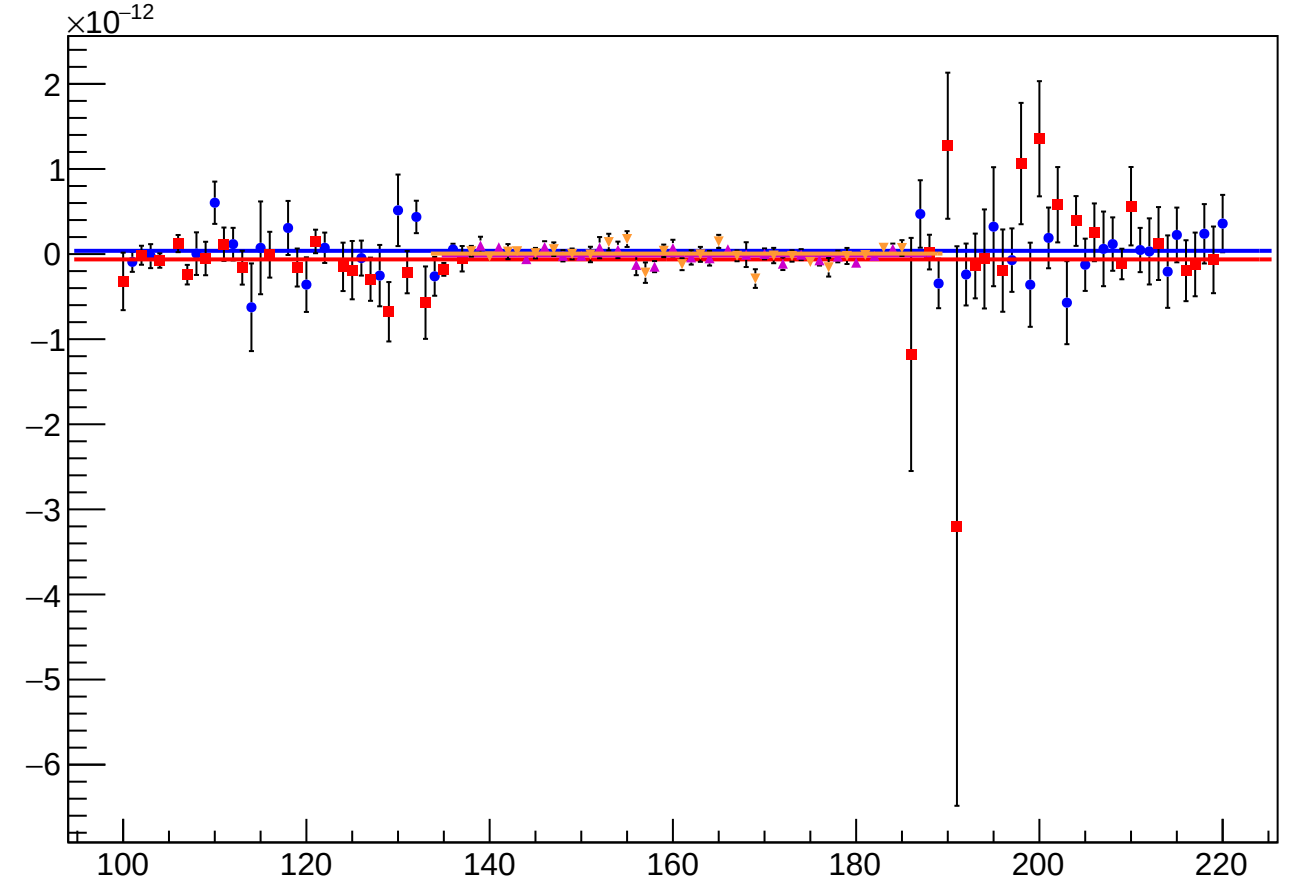
Right Out: 135.357+/-0.023 χ^2/NDF: 4934505.2/36

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 172.659+/-0.022 χ^2/NDF: 13999775.9/57

All: 166.571+/-0.015 χ^2/NDF: 29562384.8/11

- sign 160.973+/-0.021 χ^2/NDF: 15409243.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

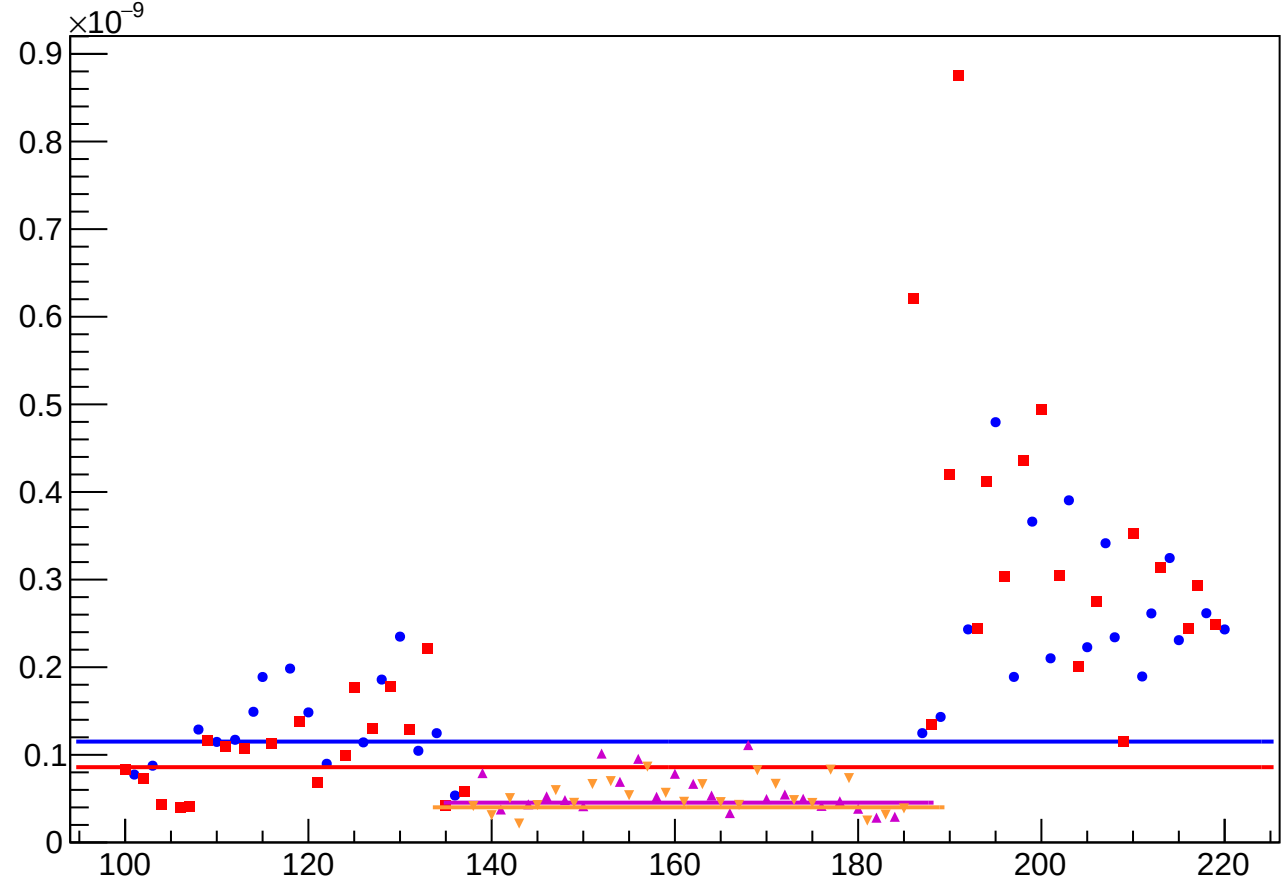
Right Out: -0.000+/-0.000 χ^2/NDF: 37.5/36

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.2/57

All: -0.000+/-0.000 χ^2/NDF: 128.0/117

- sign -0.000+/-0.000 χ^2/NDF: 62.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 7555894.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

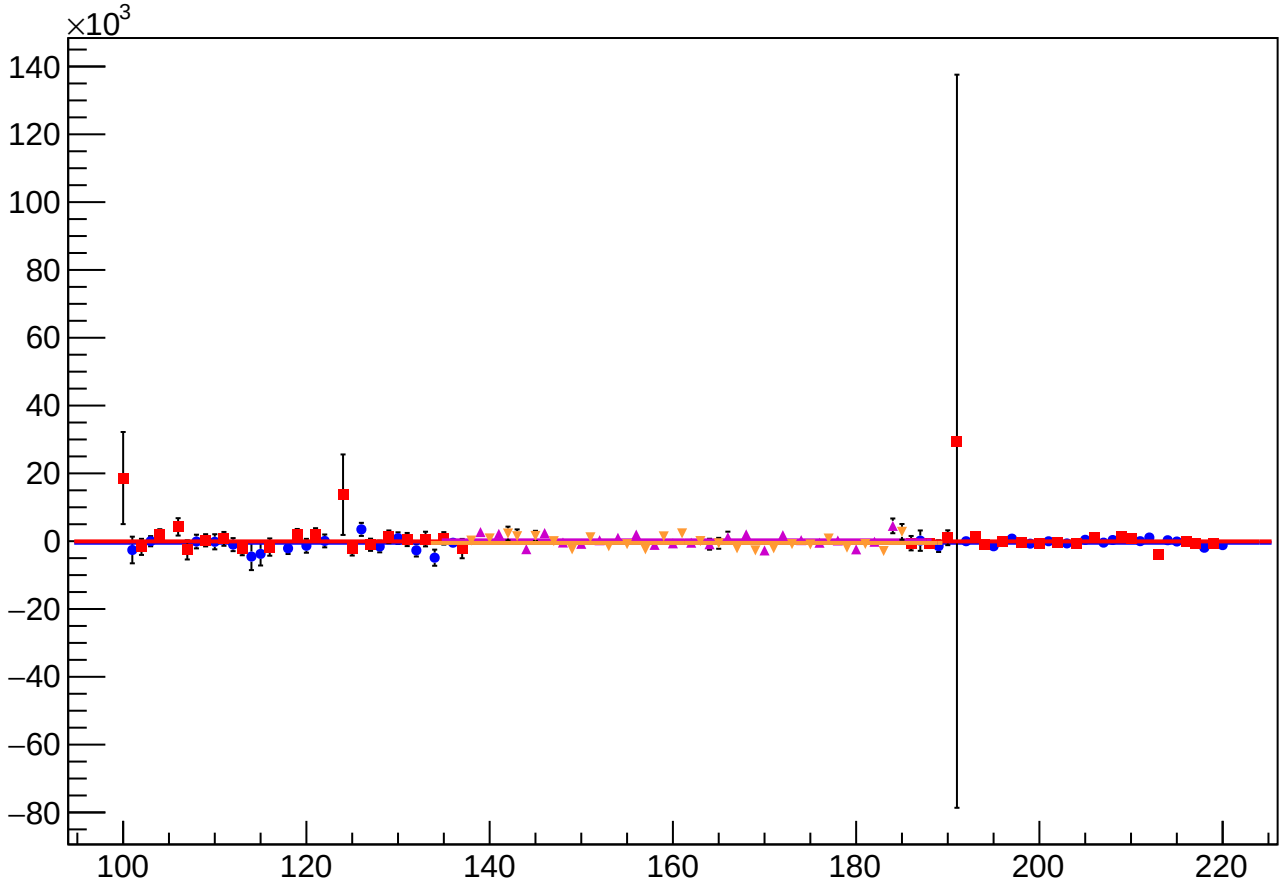
Right Out: 0.000+/-0.000 χ^2/NDF: 10373466.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 18093224.7/57

All: 0.000+/-0.000 χ^2/NDF: 34126819.7/117

- sign 0.000+/-0.000 χ^2/NDF: 15887395.3/59



Right In: -461.897+/-279.371 χ^2/NDF: 19.8/32

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: -60.765+/-280.571 χ^2/NDF: 30.2/36

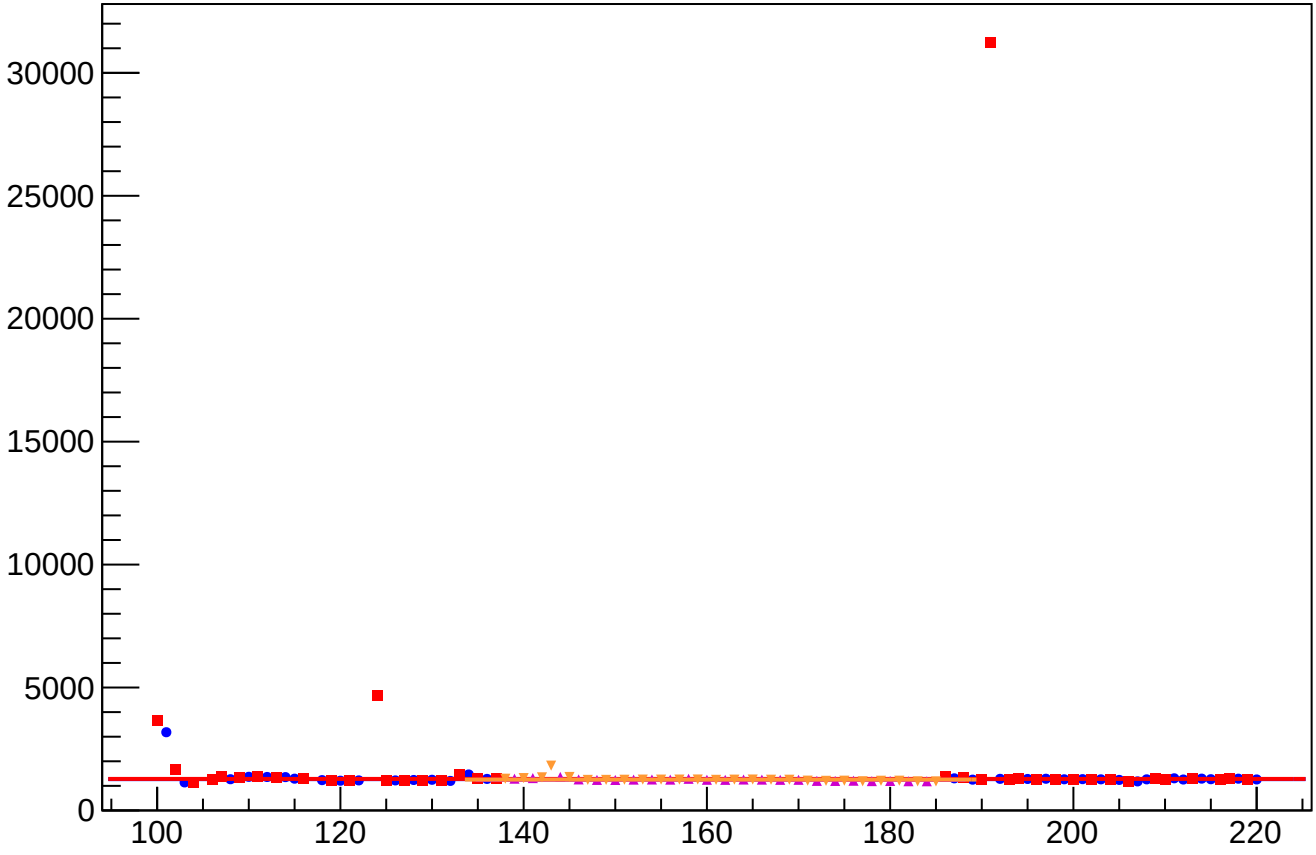
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -487.579+/-199.829 χ^2/NDF: 50.7/57

All: -204.266+/-142.074 χ^2/NDF: 117.6/117

- sign 85.339+/-202.036 χ^2/NDF: 62.8/59

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1273.606+/-0.198 χ^2/NDF: 534706.4/32

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

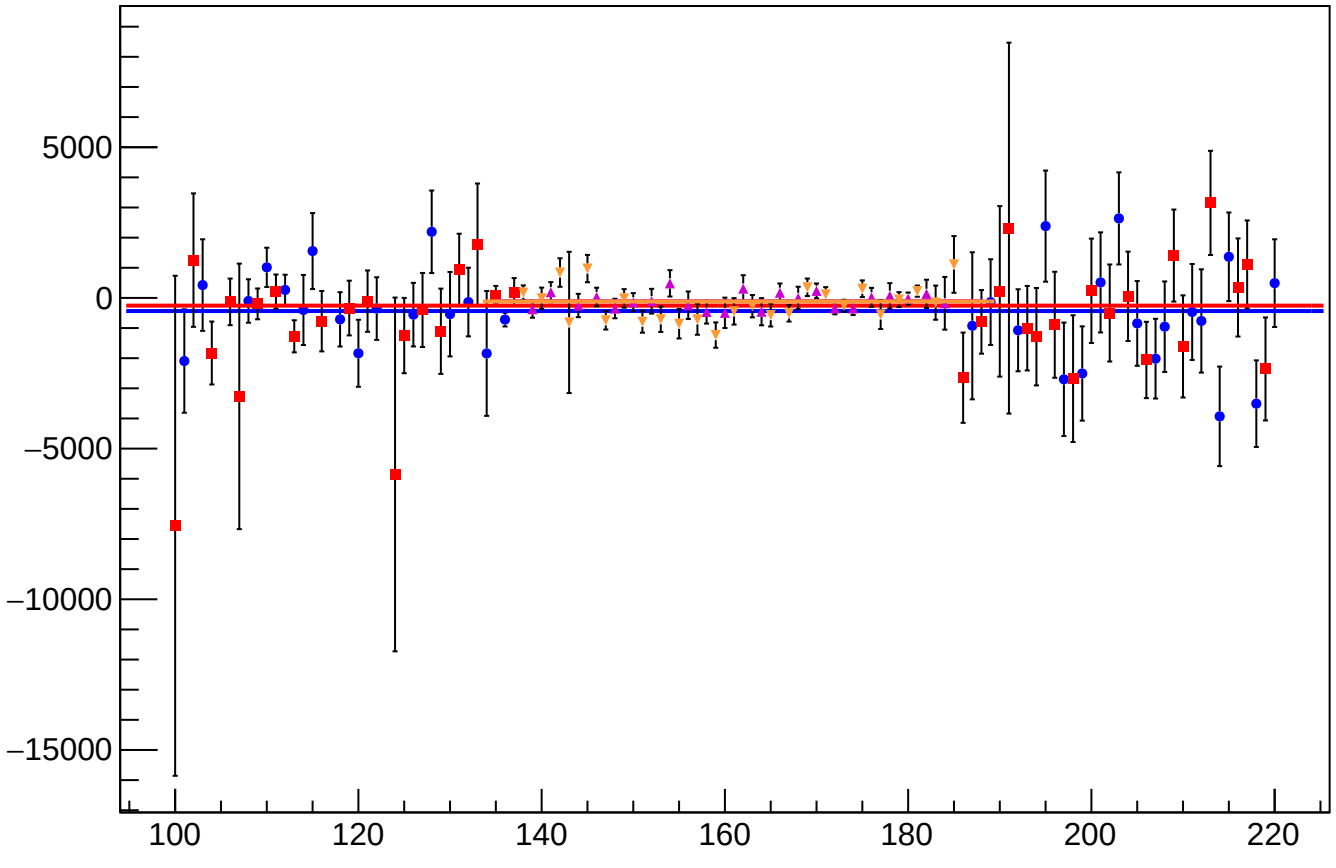
Right Out: 1282.870+/-0.198 χ^2/NDF: 508745.8/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.771+/-0.141 χ^2/NDF: 741927.0/57

All: 1265.027+/-0.100 χ^2/NDF: 1306847.6/11

- sign 1265.289+/-0.143 χ^2/NDF: 564914.0/59



Right In: -435.722+/-153.635 χ^2/NDF: 41.1/32

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

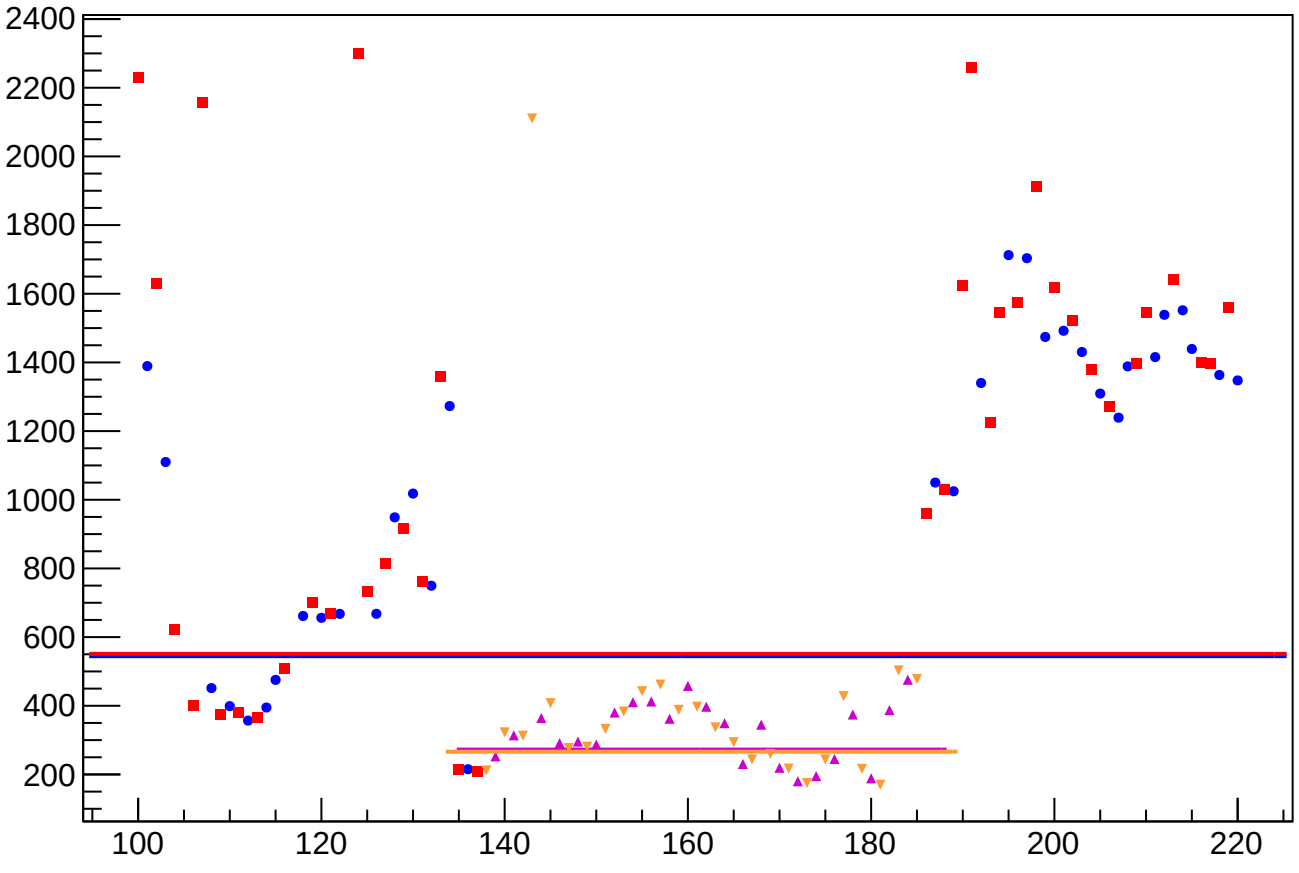
Right Out: -256.088+/-154.653 χ^2/NDF: 30.4/36

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

\+ sign -165.487+/-59.909 χ^2/NDF: 93.2/57

All: -148.616+/-42.906 χ^2/NDF: 138.3/117

\- sign -130.848+/-61.479 χ^2/NDF: 44.9/59



Right In: 544.541+/-0.109 χ^2/NDF: 16555897.1/32

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

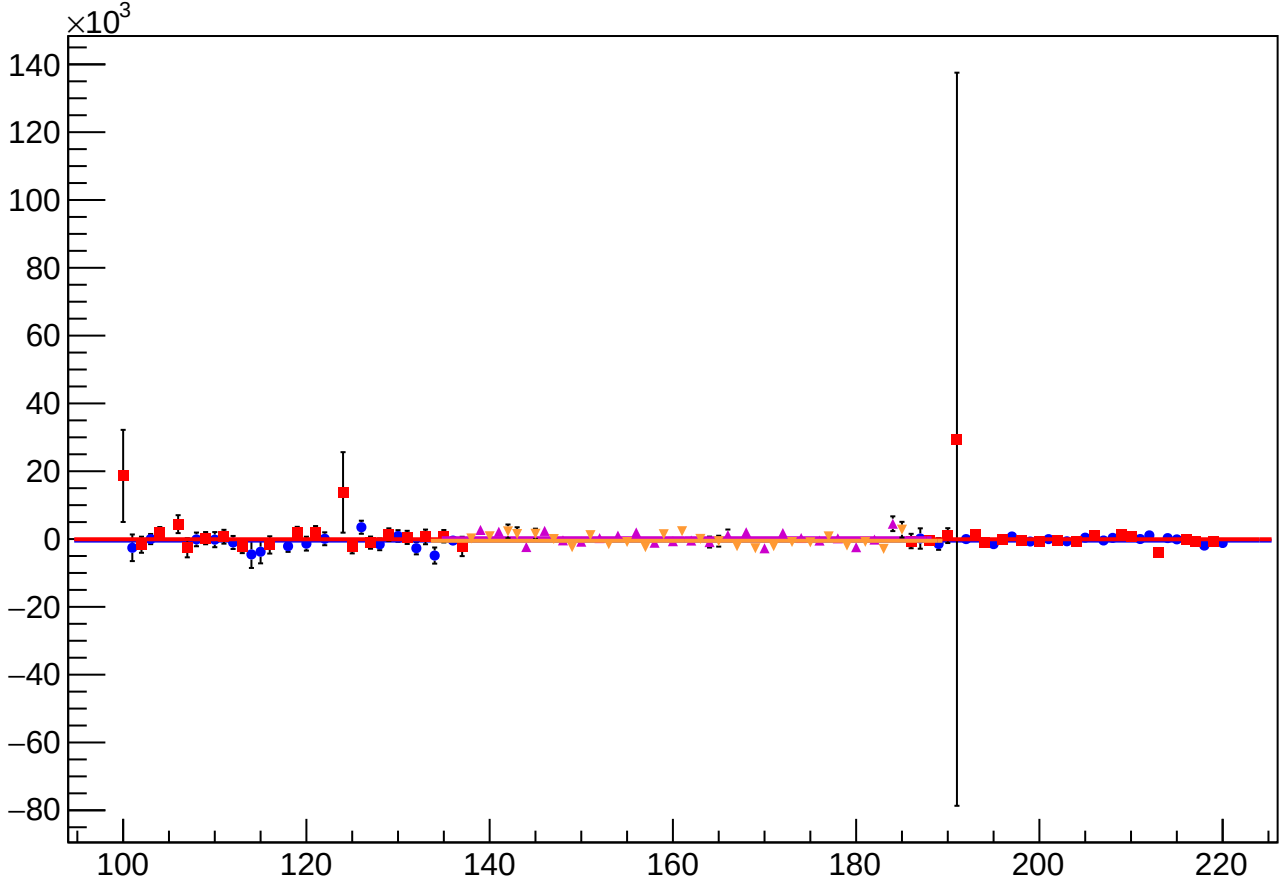
Right Out: 551.143+/-0.109 χ^2/NDF: 16516225.8/36

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 308.625+/-0.042 χ^2/NDF: 26747548.3/57

All: 312.423+/-0.030 χ^2/NDF: 51639776.4/11

- sign 316.423+/-0.043 χ^2/NDF: 24875725.5/59



Right In: -461.752+/-279.371 χ^2/NDF: 19.8/32

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: -61.914+/-280.672 χ^2/NDF: 30.3/36

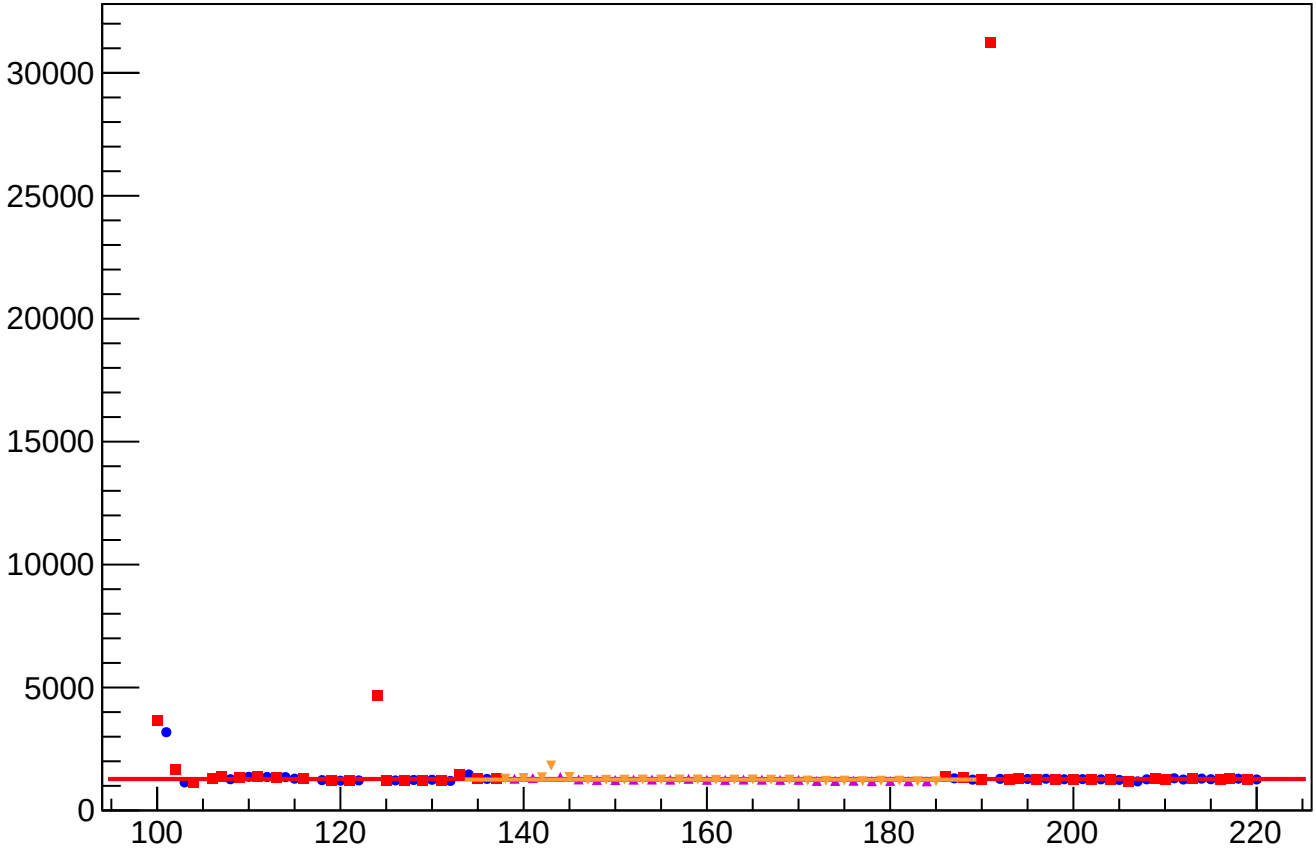
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -487.478+/-199.829 χ^2/NDF: 50.7/57

All: -204.542+/-142.087 χ^2/NDF: 117.7/117

- sign 84.786+/-202.073 χ^2/NDF: 62.9/59

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1273.606+/-0.198 χ^2/NDF: 534707.8/32

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

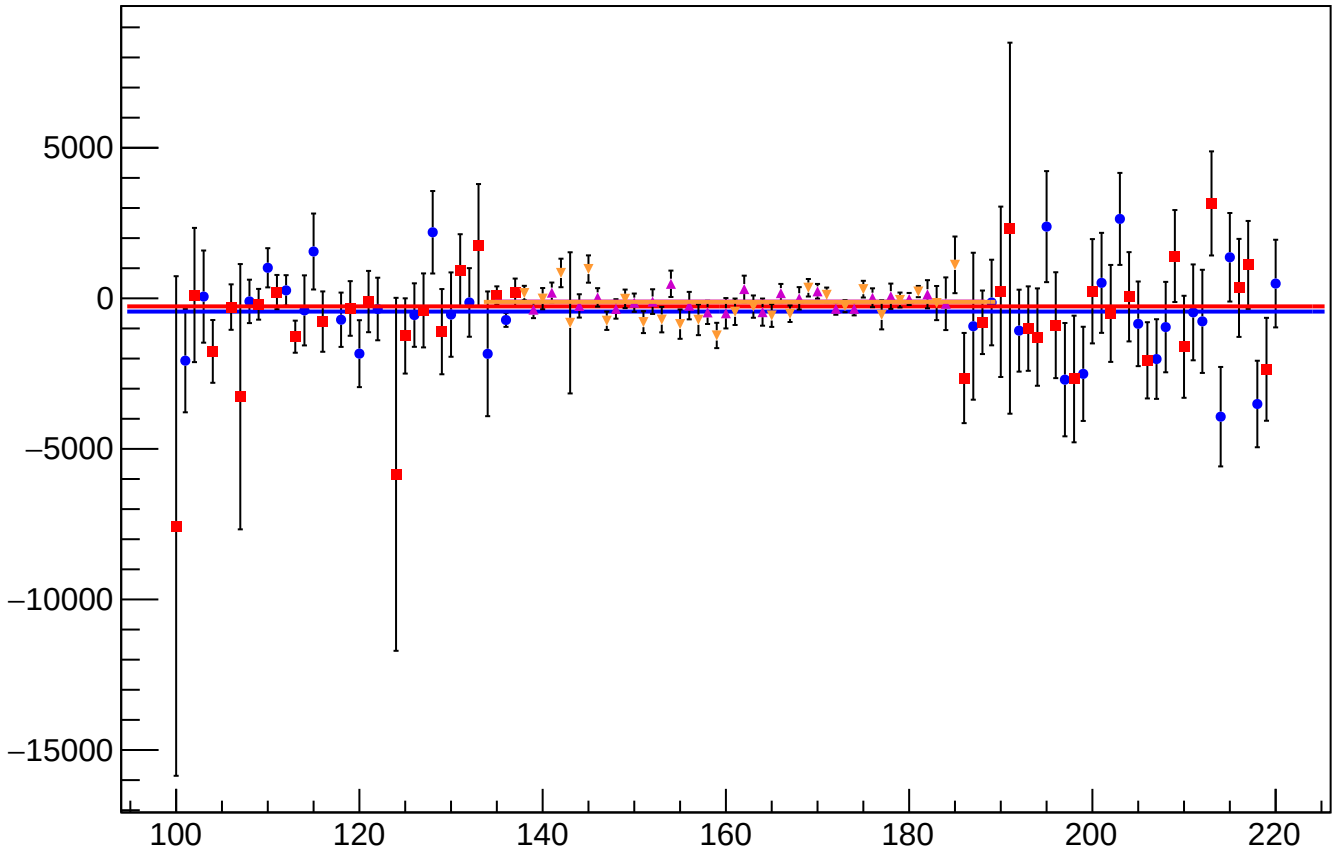
Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.770+/-0.141 χ^2/NDF: 741928.3/57

All: 1265.145+/-0.100 χ^2/NDF: 1307278.4/11

- sign 1265.528+/-0.143 χ^2/NDF: 565335.8/59



Right In: -439.450+/-153.650 χ^2/NDF: 40.9/32

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -266.937+/-154.502 χ^2/NDF: 29.7/36

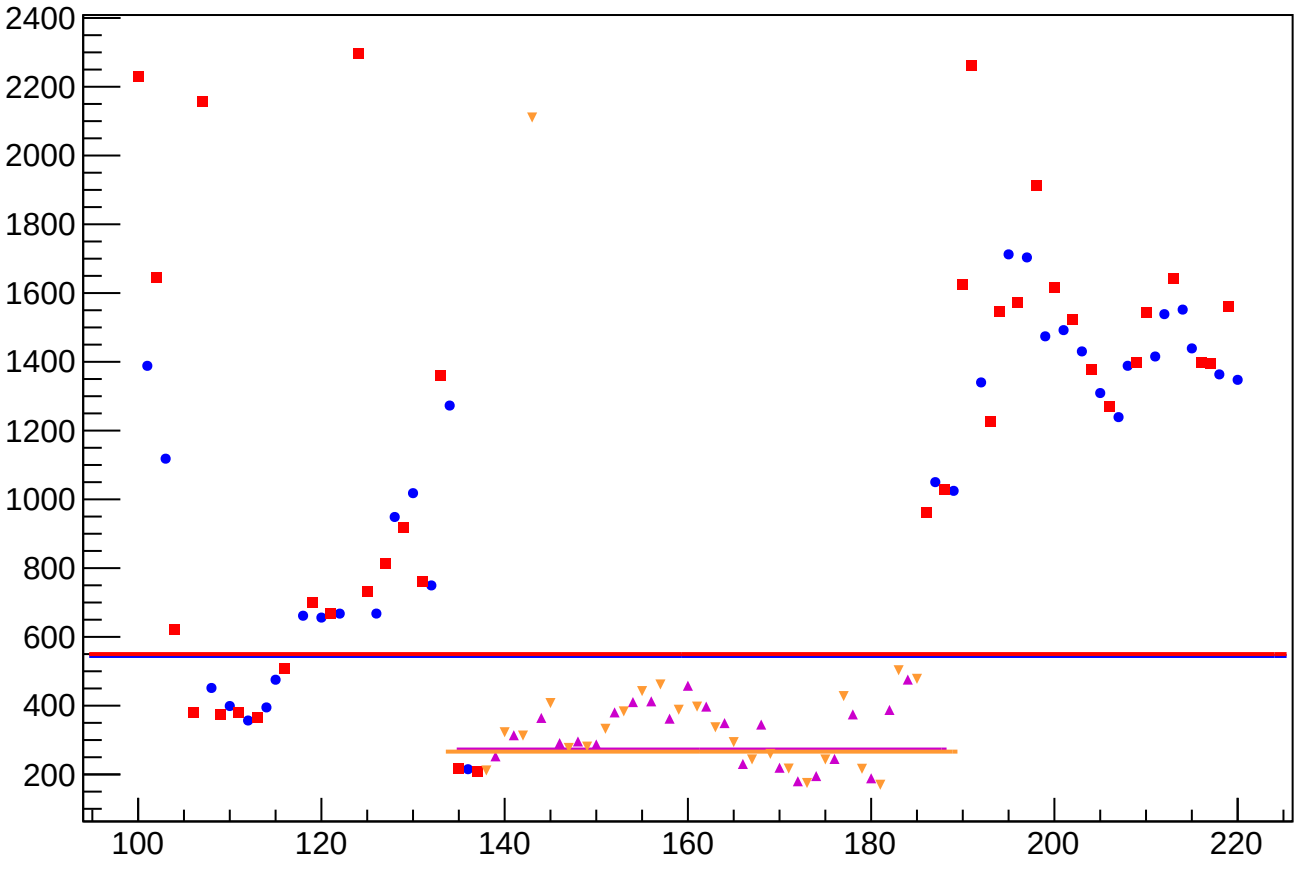
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -166.025+/-59.911 χ^2/NDF: 93.1/57

All: -149.793+/-42.904 χ^2/NDF: 137.6/117

- sign -132.704+/-61.471 χ^2/NDF: 44.3/59

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs Slug



Right In: 544.566+/-0.109 χ^2/NDF: 16558808.2/32

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

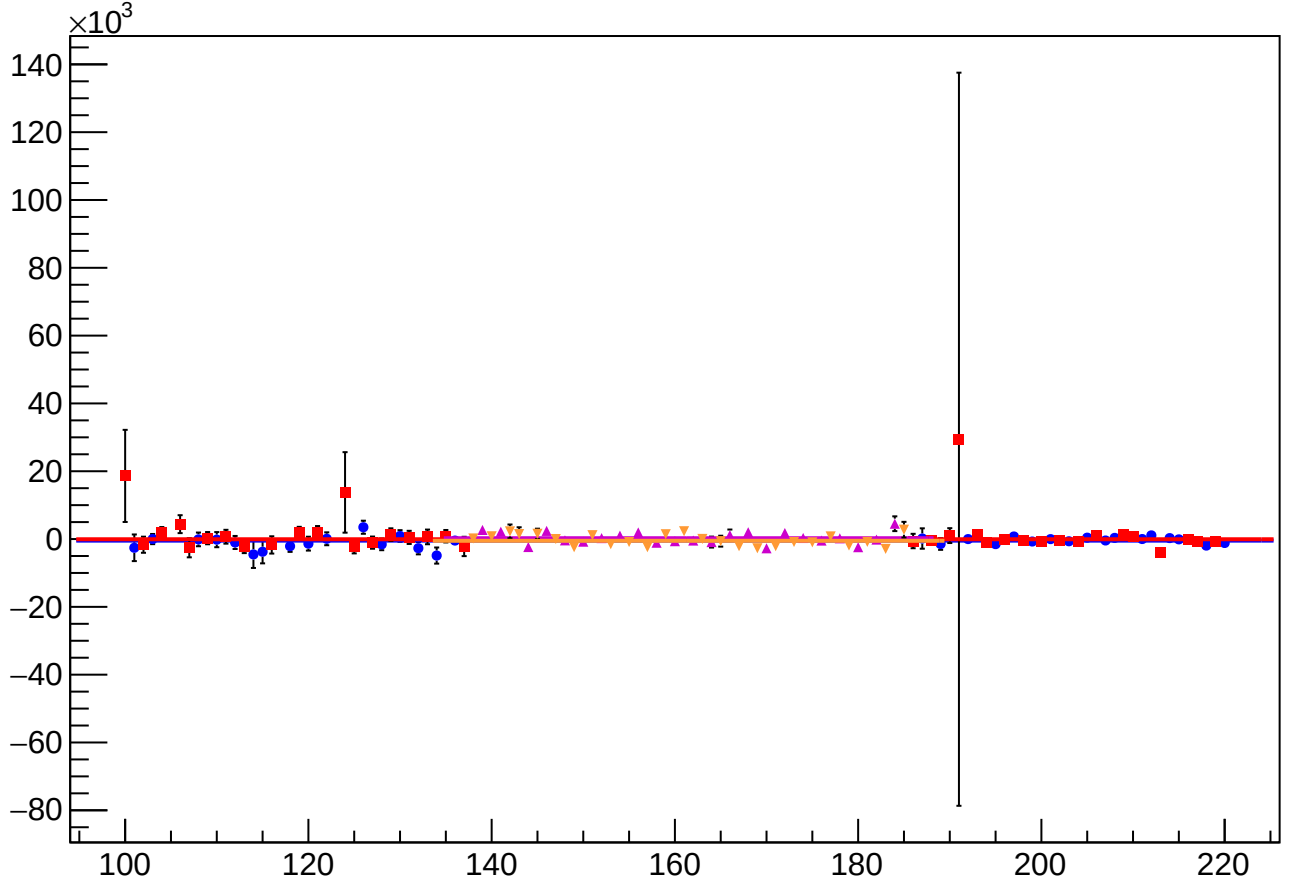
Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 308.629+/-0.042 χ^2/NDF: 26750325.4/57

All: 312.380+/-0.030 χ^2/NDF: 51639166.8/11

- sign 316.330+/-0.043 χ^2/NDF: 24872741.4/59



Right In: -461.752+/-279.371 χ^2/NDF: 19.8/32

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

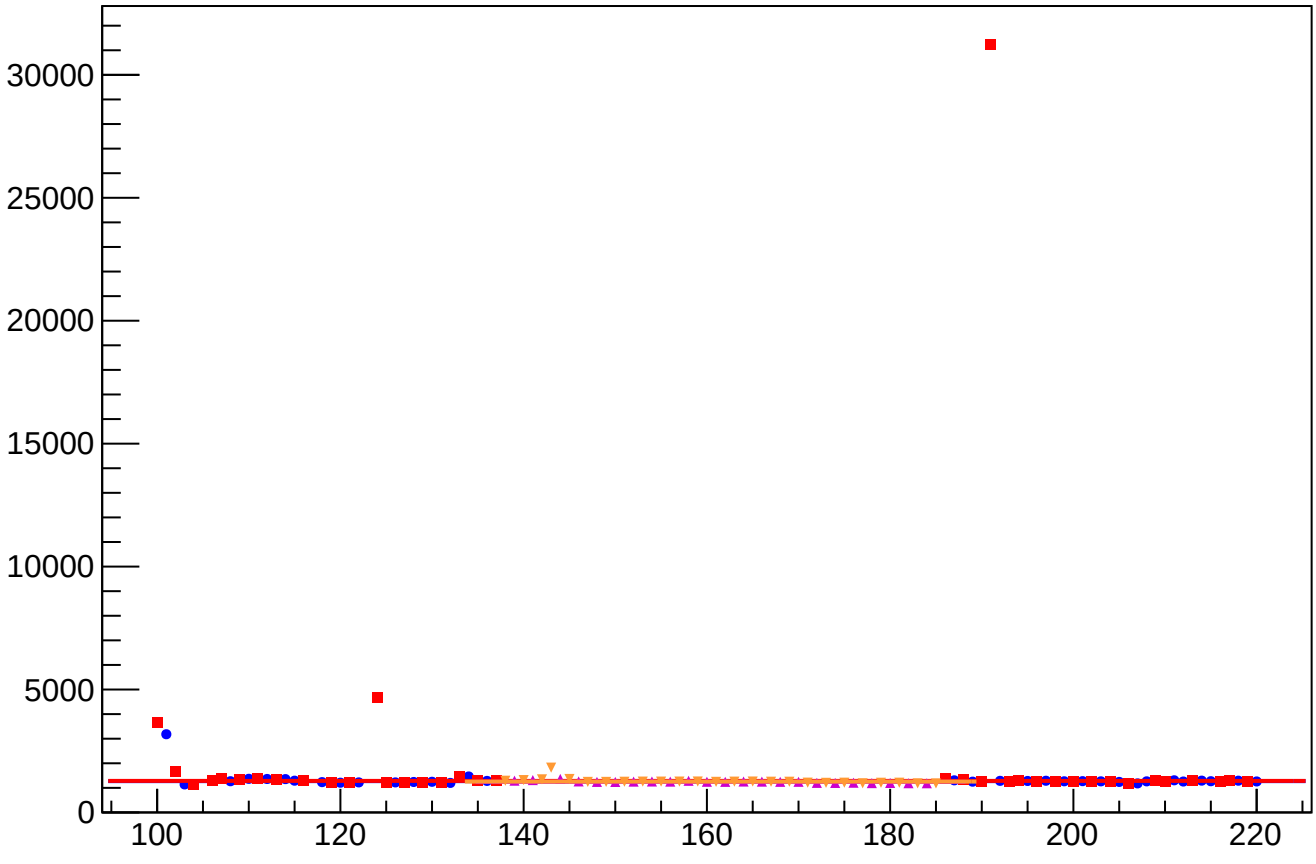
Right Out: -61.914+/-280.672 χ^2/NDF: 30.3/36

Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -487.478+/-199.829 χ^2/NDF: 50.7/57

All: -204.542+/-142.087 χ^2/NDF: 117.7/117

- sign 84.786+/-202.073 χ^2/NDF: 62.9/59



Right In: 1273.606+/-0.198 χ^2/NDF: 534707.8/32

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

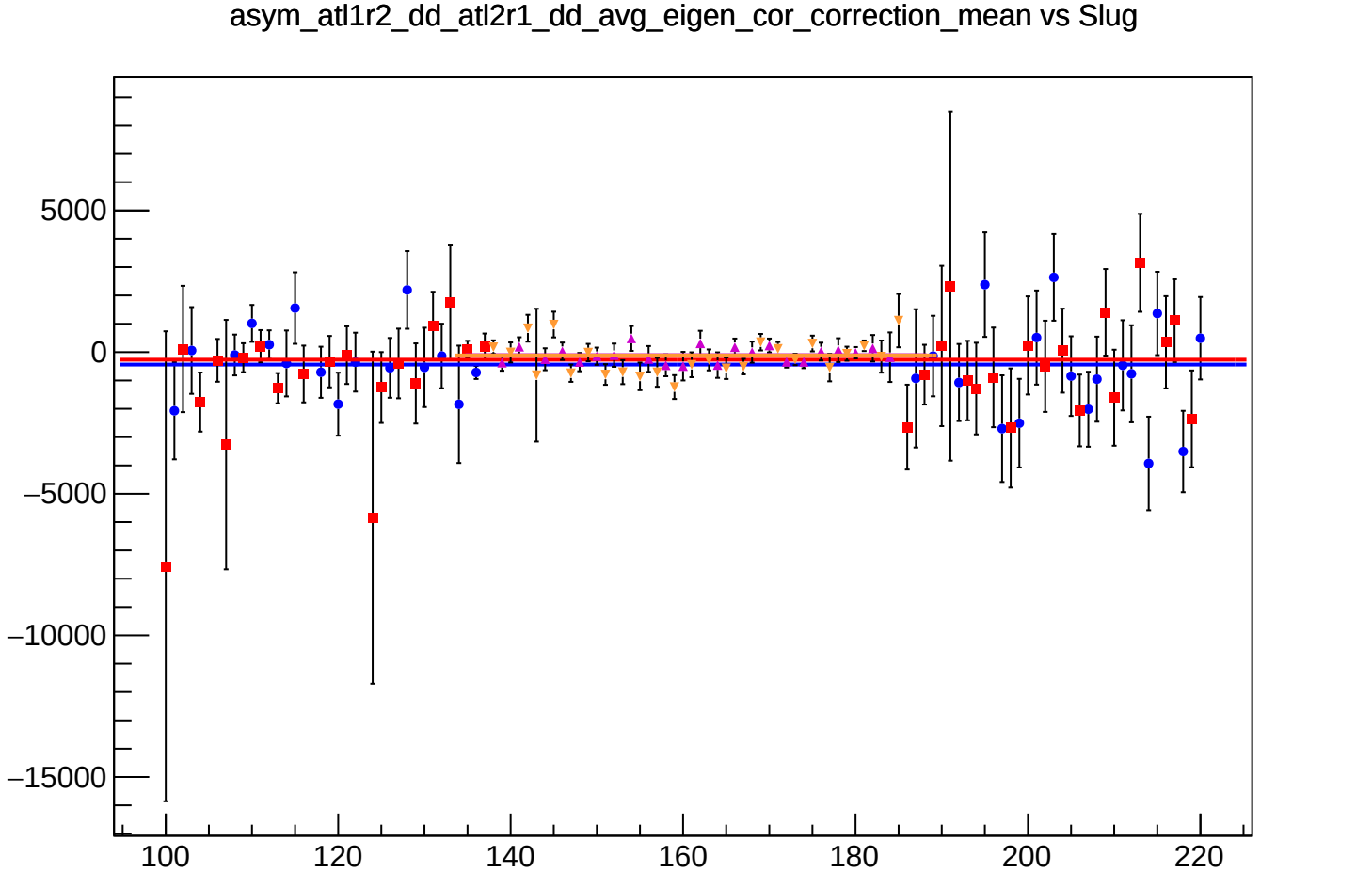
Right Out: 1283.344+/-0.198 χ^2/NDF: 508747.4/36

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.770+/-0.141 χ^2/NDF: 741928.3/57

All: 1265.145+/-0.100 χ^2/NDF: 1307278.4/11

- sign 1265.528+/-0.143 χ^2/NDF: 565335.8/59



Right In: -439.450+/-153.650 χ^2/NDF: 40.9/32

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

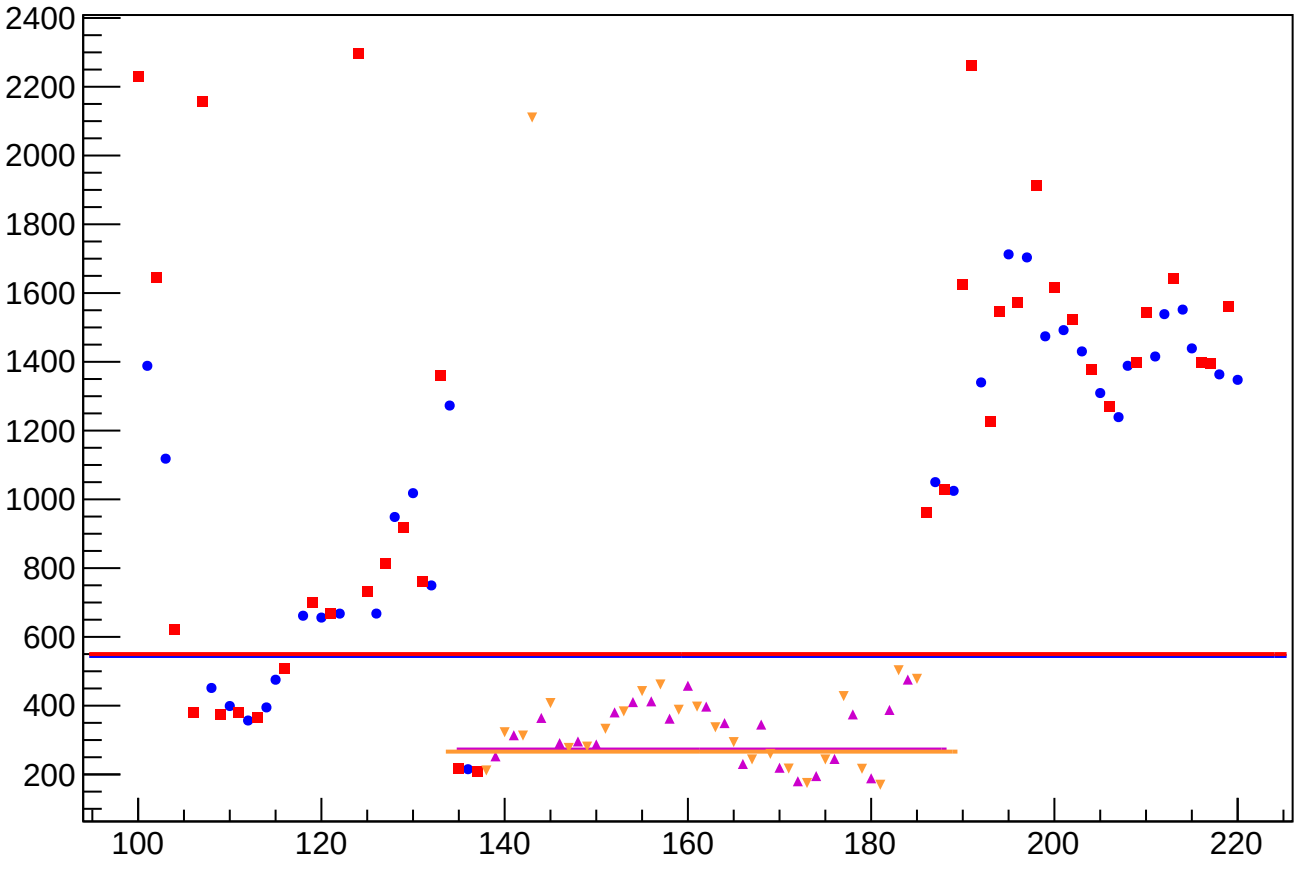
Right Out: -266.937+/-154.502 χ^2/NDF: 29.7/36

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -166.025+/-59.911 χ^2/NDF: 93.1/57

All: -149.793+/-42.904 χ^2/NDF: 137.6/117

- sign -132.704+/-61.471 χ^2/NDF: 44.3/59



Right In: 544.566+/-0.109 χ^2/NDF: 16558808.2/32

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

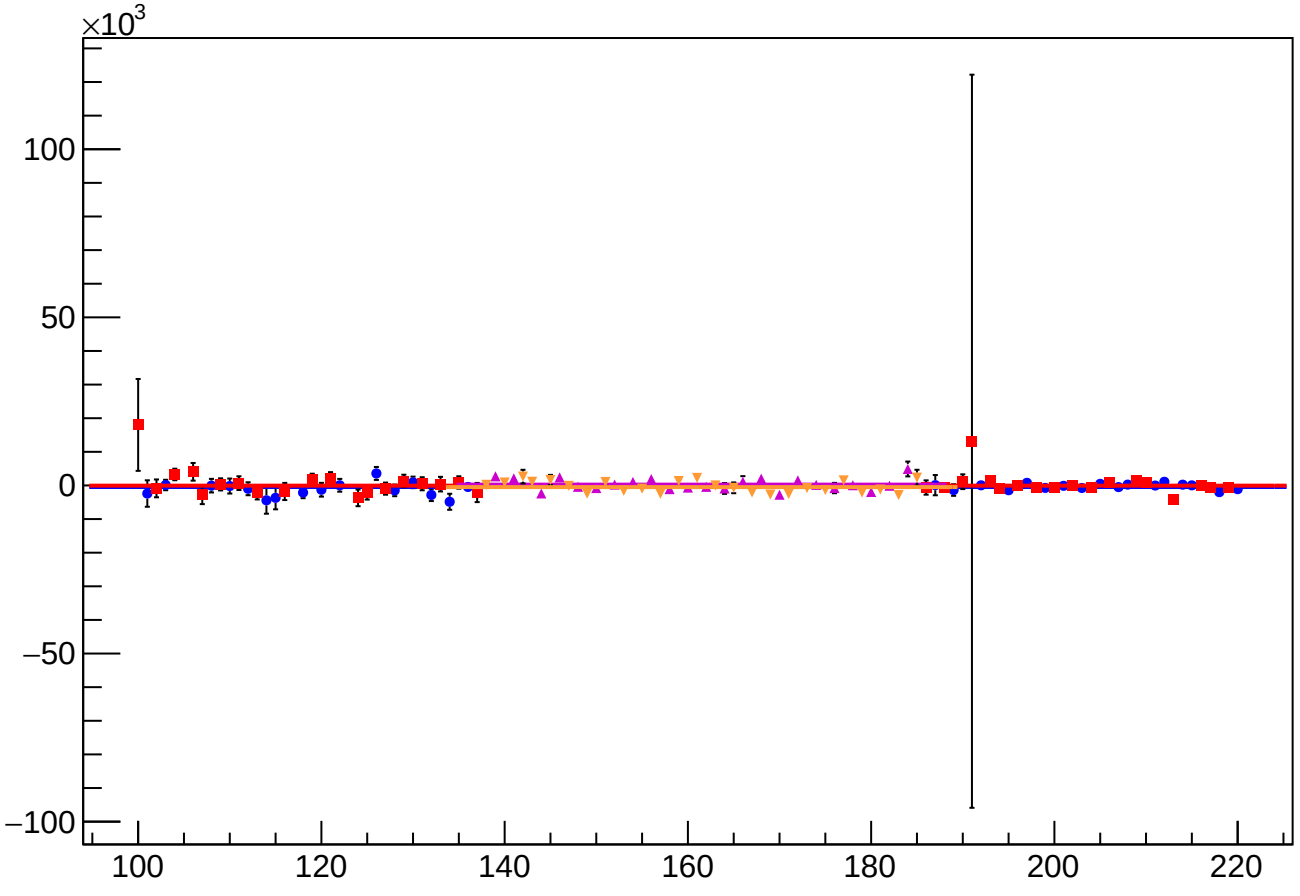
Right Out: 550.035+/-0.109 χ^2/NDF: 16548407.9/36

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 308.629+/-0.042 χ^2/NDF: 26750325.4/57

All: 312.380+/-0.030 χ^2/NDF: 51639166.8/11

- sign 316.330+/-0.043 χ^2/NDF: 24872741.4/59



Right In: -454.084+/-280.069 χ^2/NDF: 19.8/32

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: -62.295+/-280.261 χ^2/NDF: 32.2/36

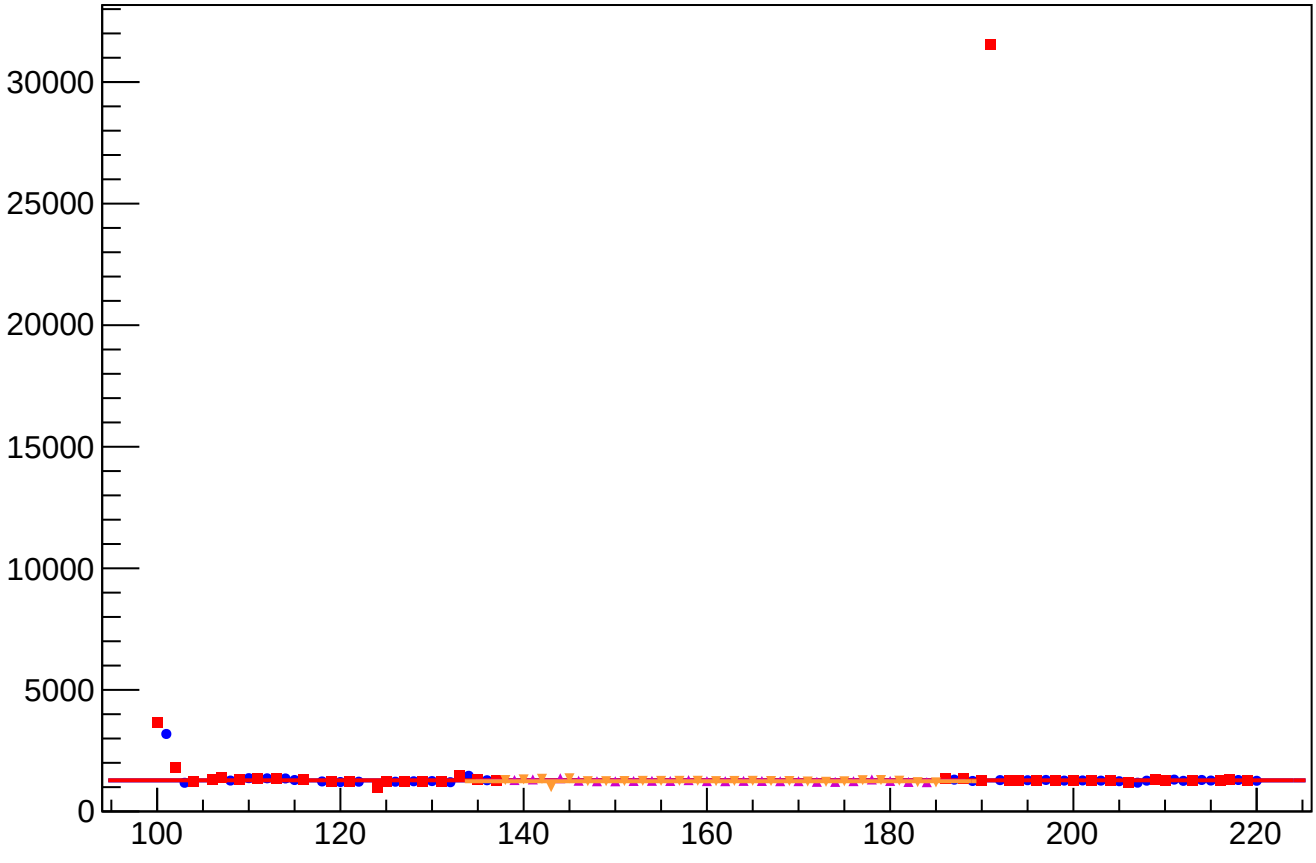
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -473.574+/-198.974 χ^2/NDF: 54.0/57

All: -201.111+/-142.087 χ^2/NDF: 121.3/117

- sign 82.403+/-202.969 χ^2/NDF: 63.4/59

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1276.857+/-0.198 χ^2/NDF: 527304.2/32

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

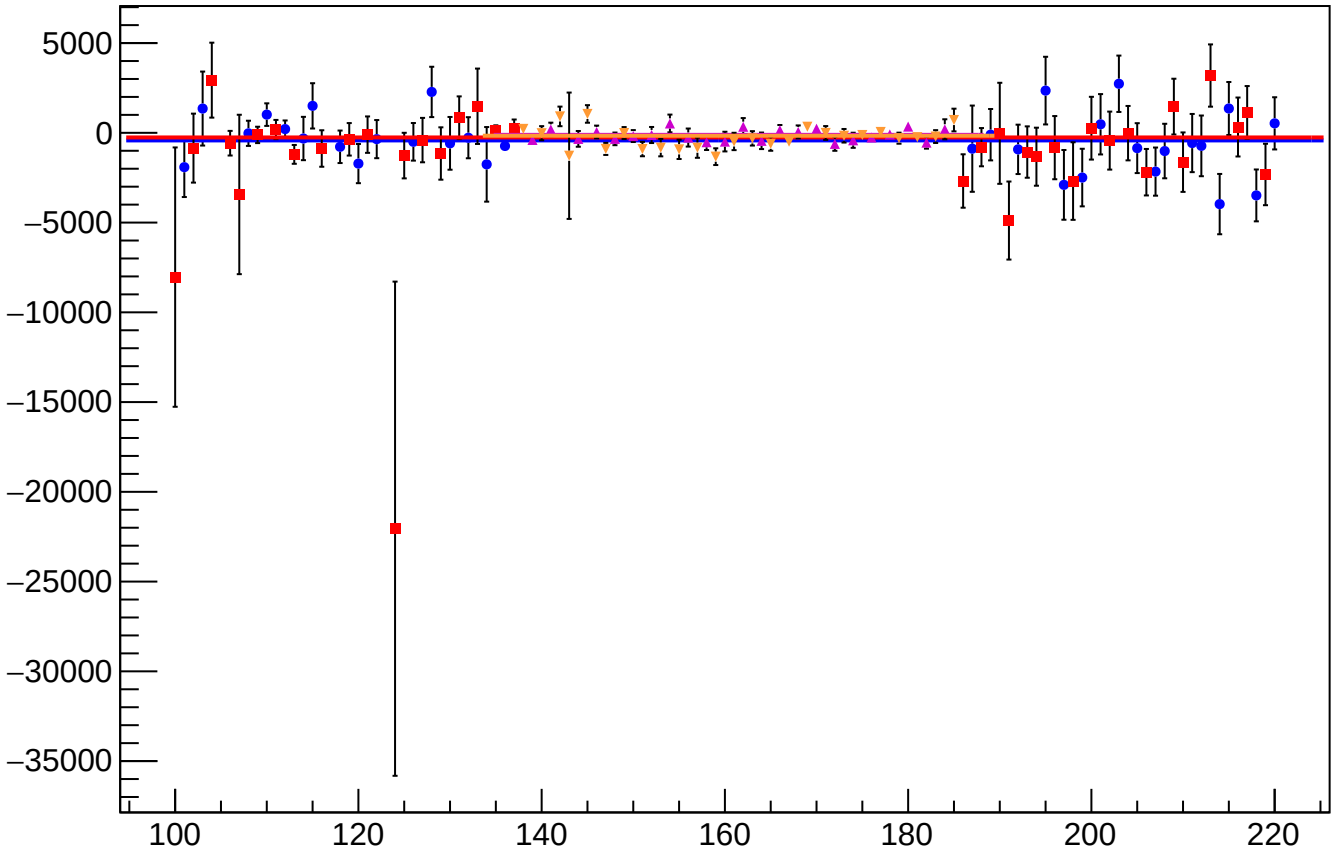
Right Out: 1281.524+/-0.198 χ^2/NDF: 389060.8/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1259.861+/-0.141 χ^2/NDF: 672199.9/57

All: 1265.483+/-0.100 χ^2/NDF: 1098011.9/11

- sign 1271.334+/-0.144 χ^2/NDF: 422553.5/59



Right In: -422.744+/-155.227 χ^2/NDF: 41.4/32

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

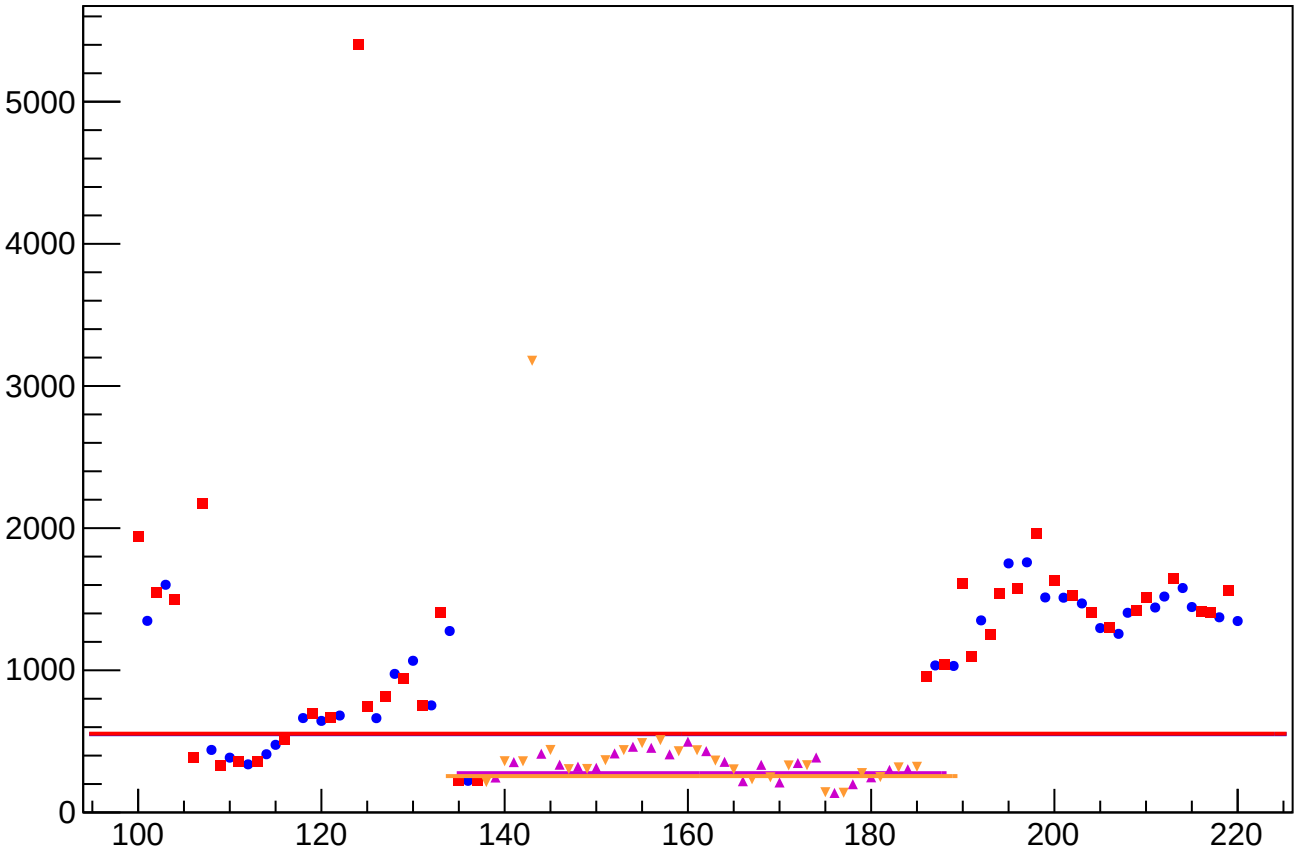
Right Out: -257.785+/-154.587 χ^2/NDF: 36.5/36

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

\+ sign -199.104+/-59.273 χ^2/NDF: 87.6/57

All: -170.153+/-43.133 χ^2/NDF: 143.5/117

\- sign -137.563+/-62.887 χ^2/NDF: 55.4/59



Right In: 550.609+/-0.110 χ^2/NDF: 16684198.7/32

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

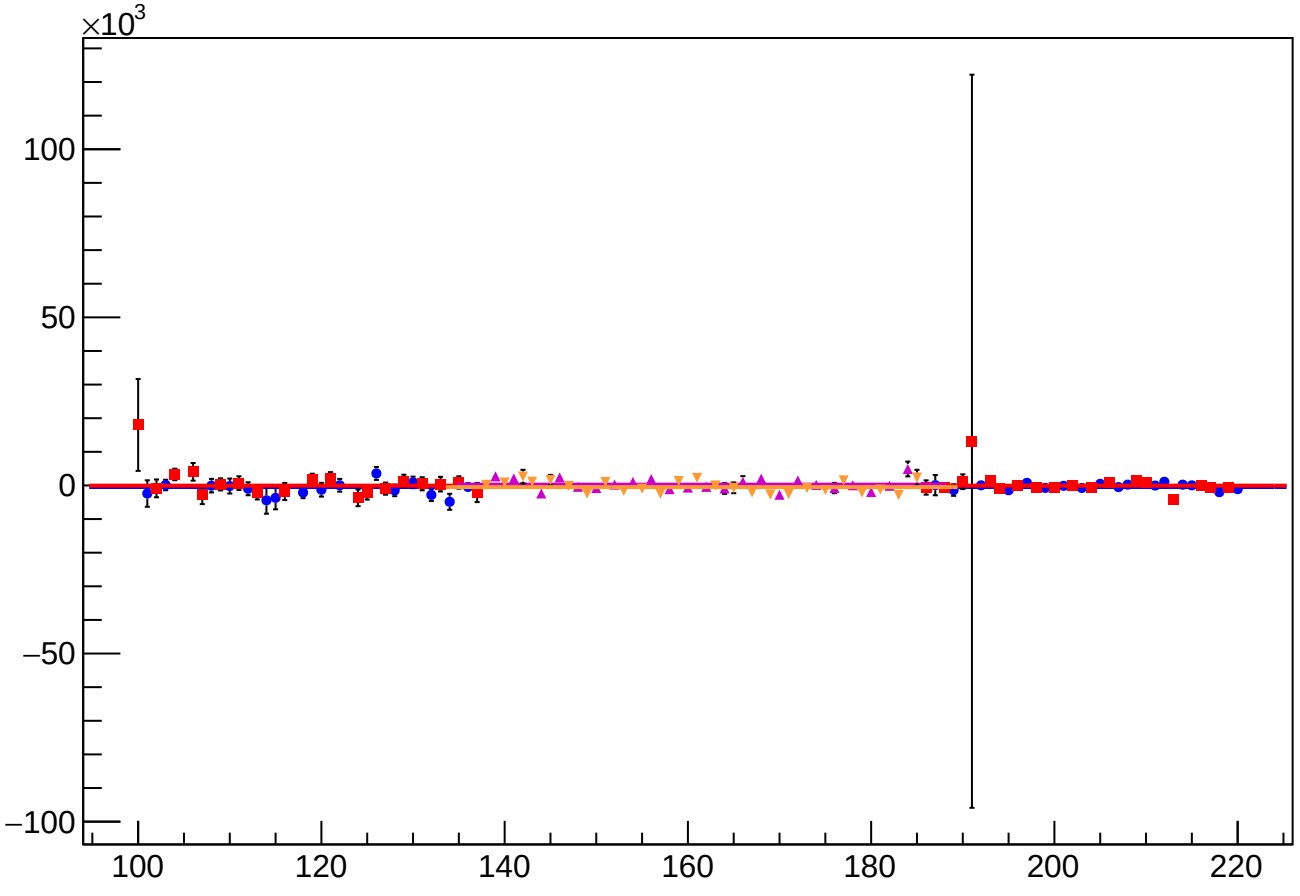
Right Out: 553.956+/-0.109 χ^2/NDF: 17057086.1/36

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 298.758+/-0.042 χ^2/NDF: 29221642.0/57

All: 309.809+/-0.030 χ^2/NDF: 55838310.2/11

- sign 322.248+/-0.044 χ^2/NDF: 26468896.1/59



Right In: -454.082+/-280.069 χ^2/NDF: 19.8/32

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: -62.294+/-280.261 χ^2/NDF: 32.2/36

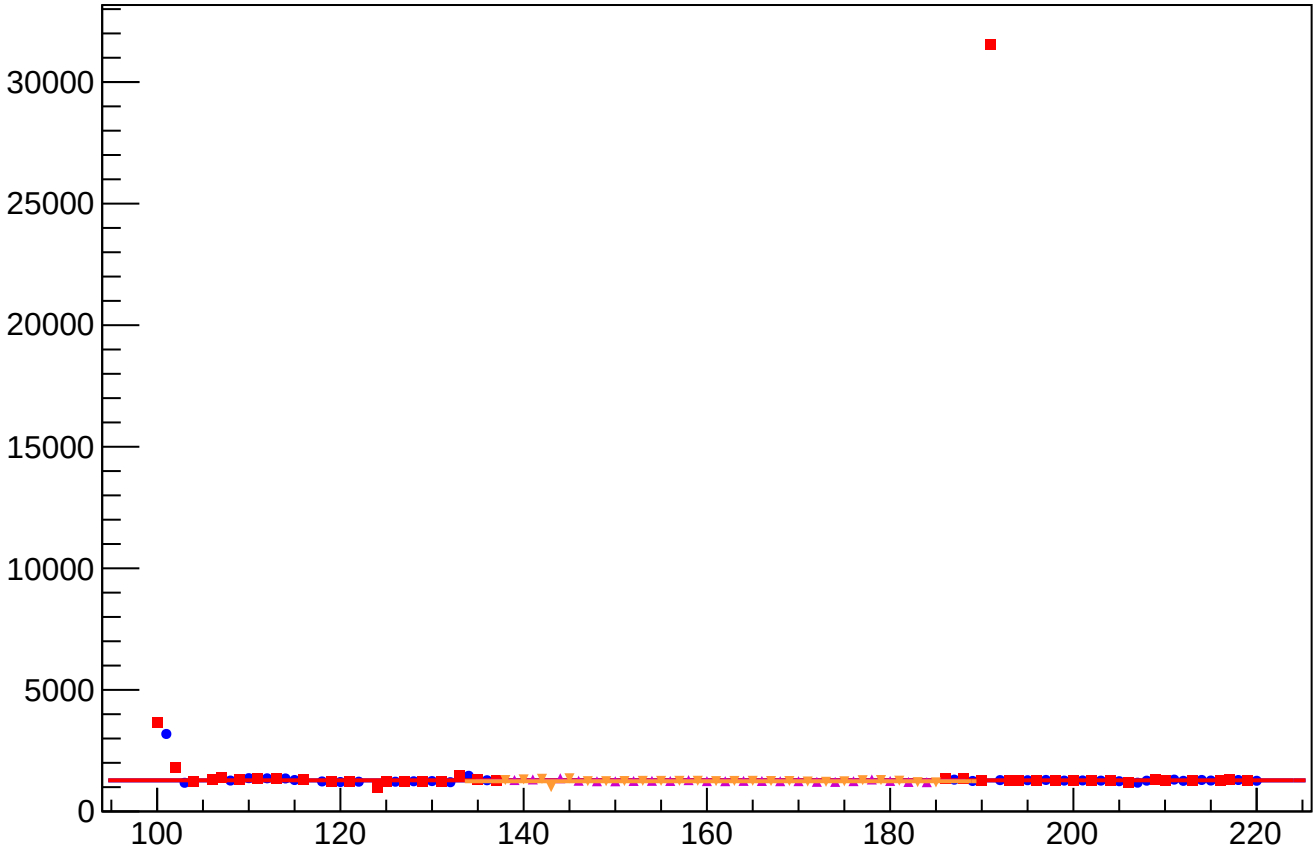
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -473.572+/-198.974 χ^2/NDF: 54.0/57

All: -201.110+/-142.087 χ^2/NDF: 121.3/117

- sign 82.404+/-202.969 χ^2/NDF: 63.4/59

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1276.857+/-0.198 χ^2/NDF: 527304.2/32

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

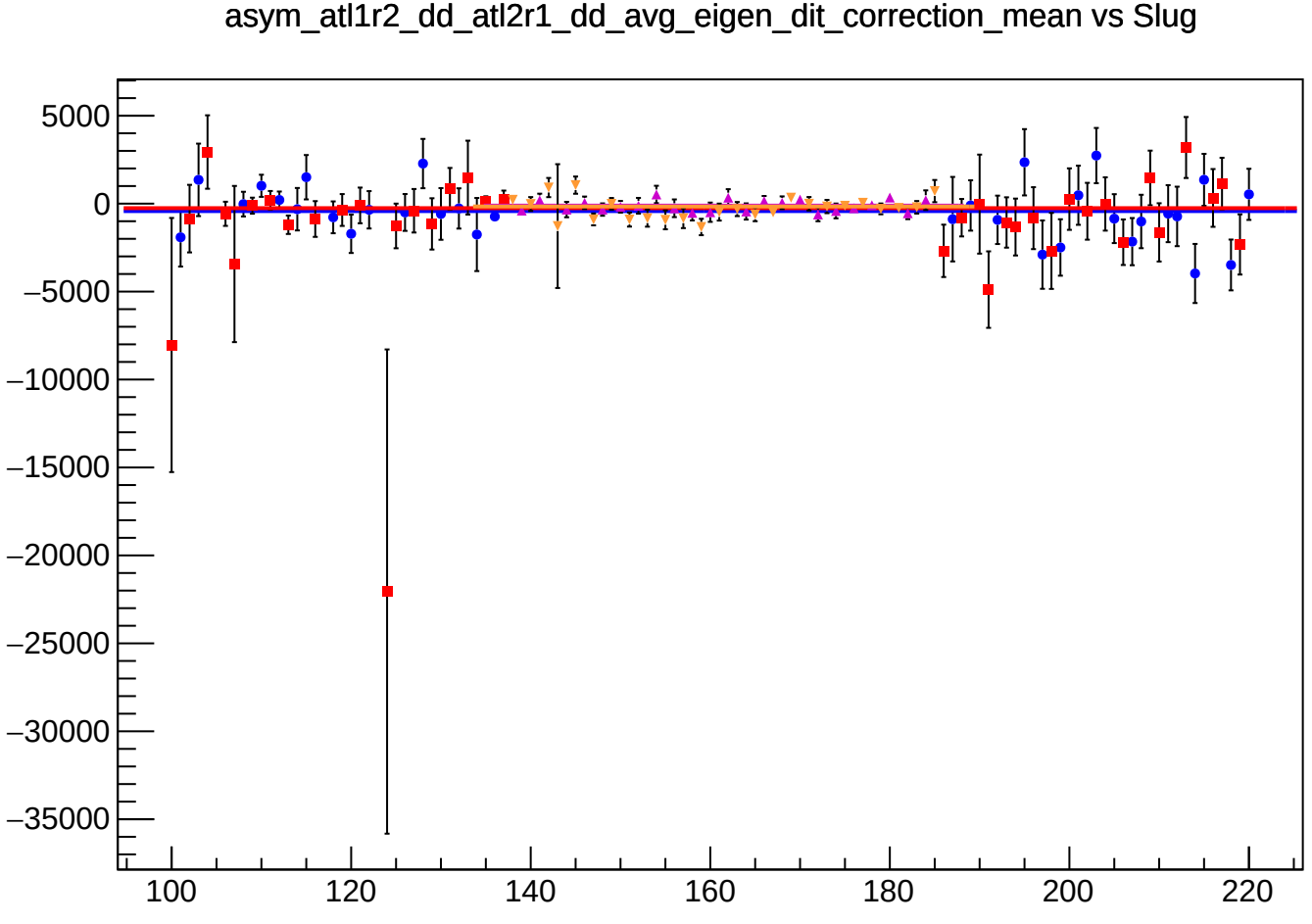
Right Out: 1281.524+/-0.198 χ^2/NDF: 389061.1/36

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1259.861+/-0.141 χ^2/NDF: 672199.0/57

All: 1265.483+/-0.100 χ^2/NDF: 1098011.4/11

- sign 1271.334+/-0.144 χ^2/NDF: 422553.9/59



Right In: -422.747+/-155.229 χ^2/NDF: 41.4/32

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

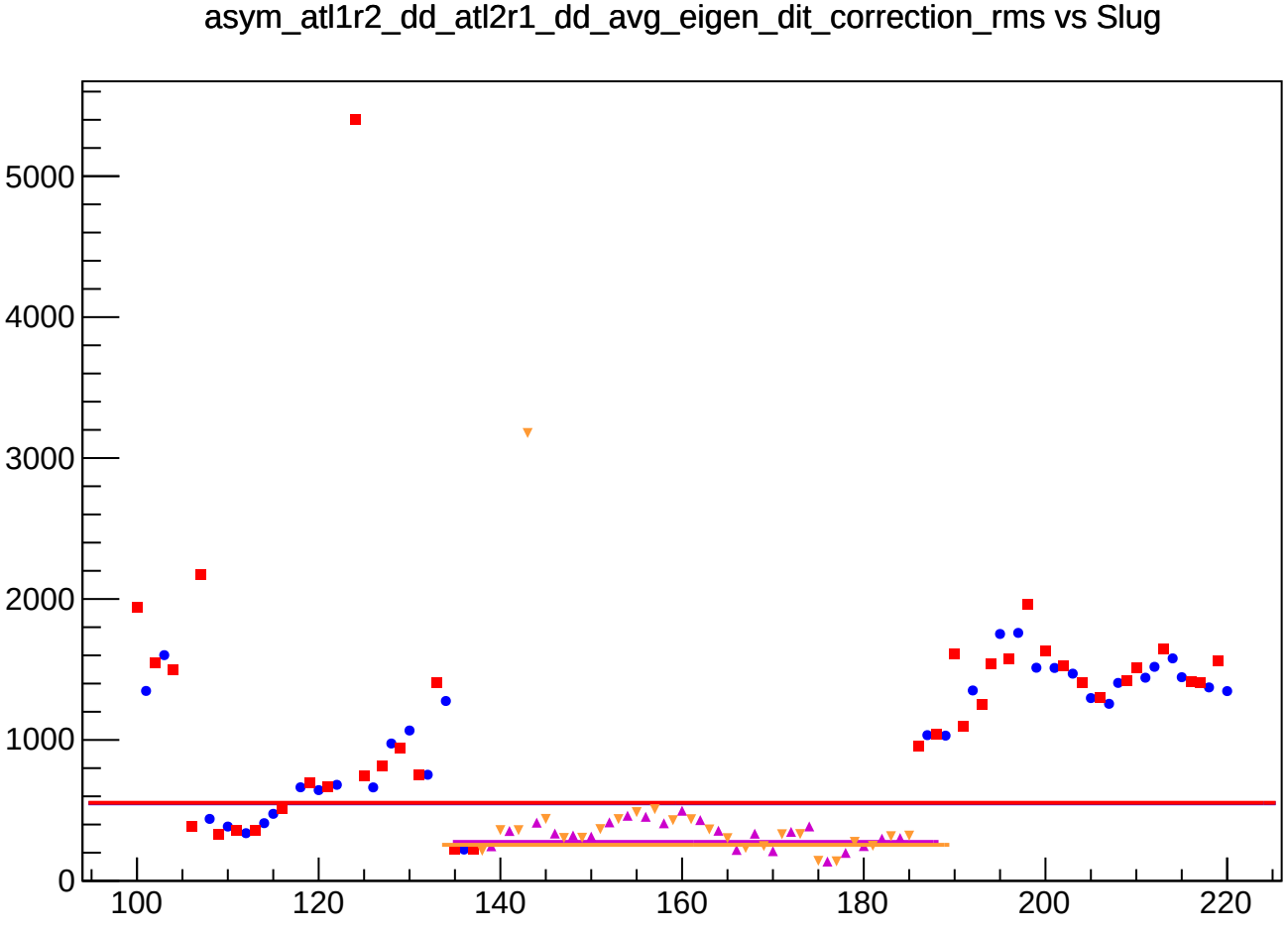
Right Out: -257.793+/-154.588 χ^2/NDF: 36.5/36

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -199.107+/-59.273 χ^2/NDF: 87.6/57

All: -170.154+/-43.134 χ^2/NDF: 143.5/117

- sign -137.562+/-62.887 χ^2/NDF: 55.4/59



Right In: 550.622+/-0.110 χ^2/NDF: 16683701.9/32

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 553.967+/-0.109 χ^2/NDF: 17056723.2/36

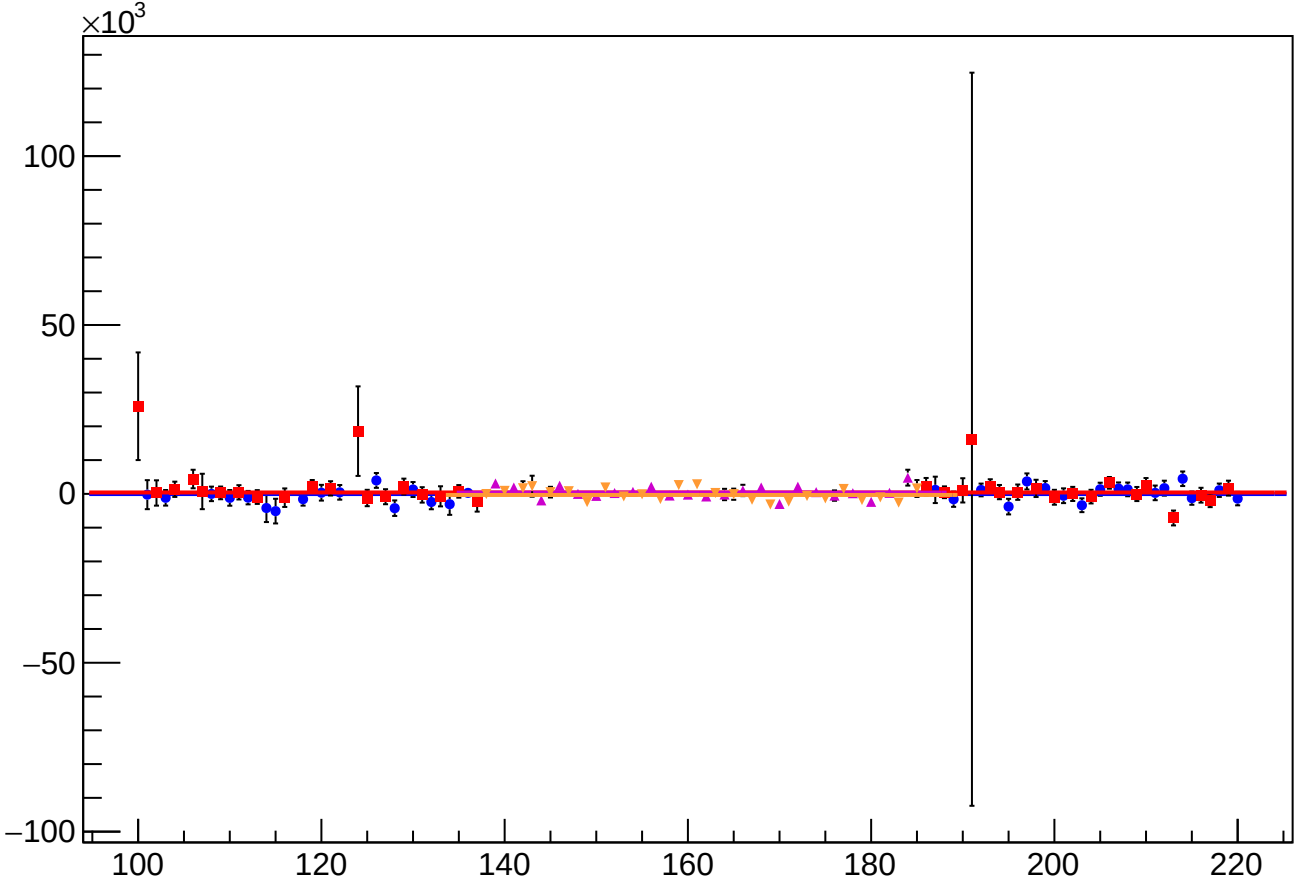
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 298.761+/-0.042 χ^2/NDF: 29221389.1/57

All: 309.811+/-0.031 χ^2/NDF: 55837917.4/11

- sign 322.250+/-0.044 χ^2/NDF: 26468769.3/59

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -54.423+/-379.768 χ^2/NDF: 31.0/32

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 416.568+/-383.461 χ^2/NDF: 31.1/36

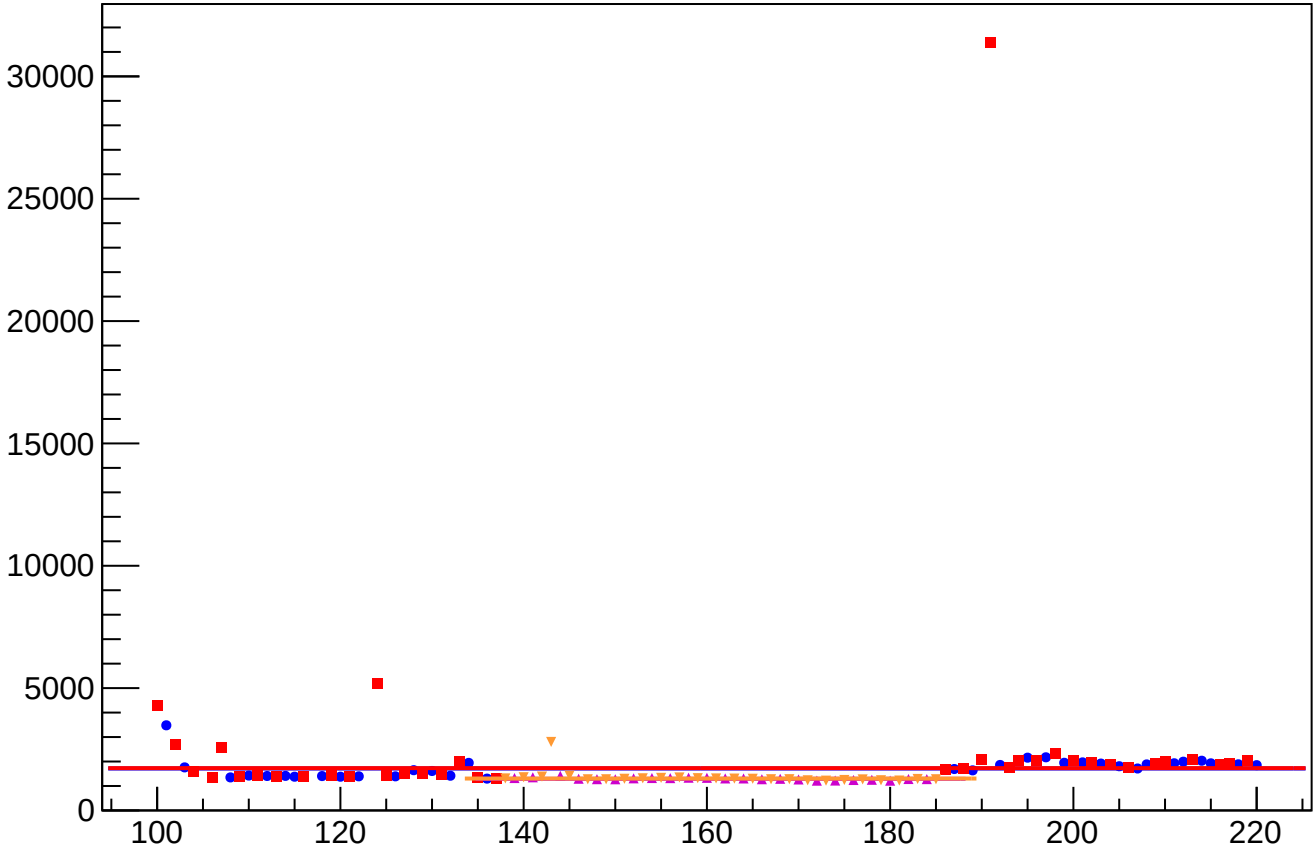
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -218.520+/-234.571 χ^2/NDF: 62.9/57

All: 77.107+/-166.791 χ^2/NDF: 126.8/117

- sign 379.416+/-237.208 χ^2/NDF: 60.7/59

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1713.437+/-0.269 χ^2/NDF: 1306646.6/32

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

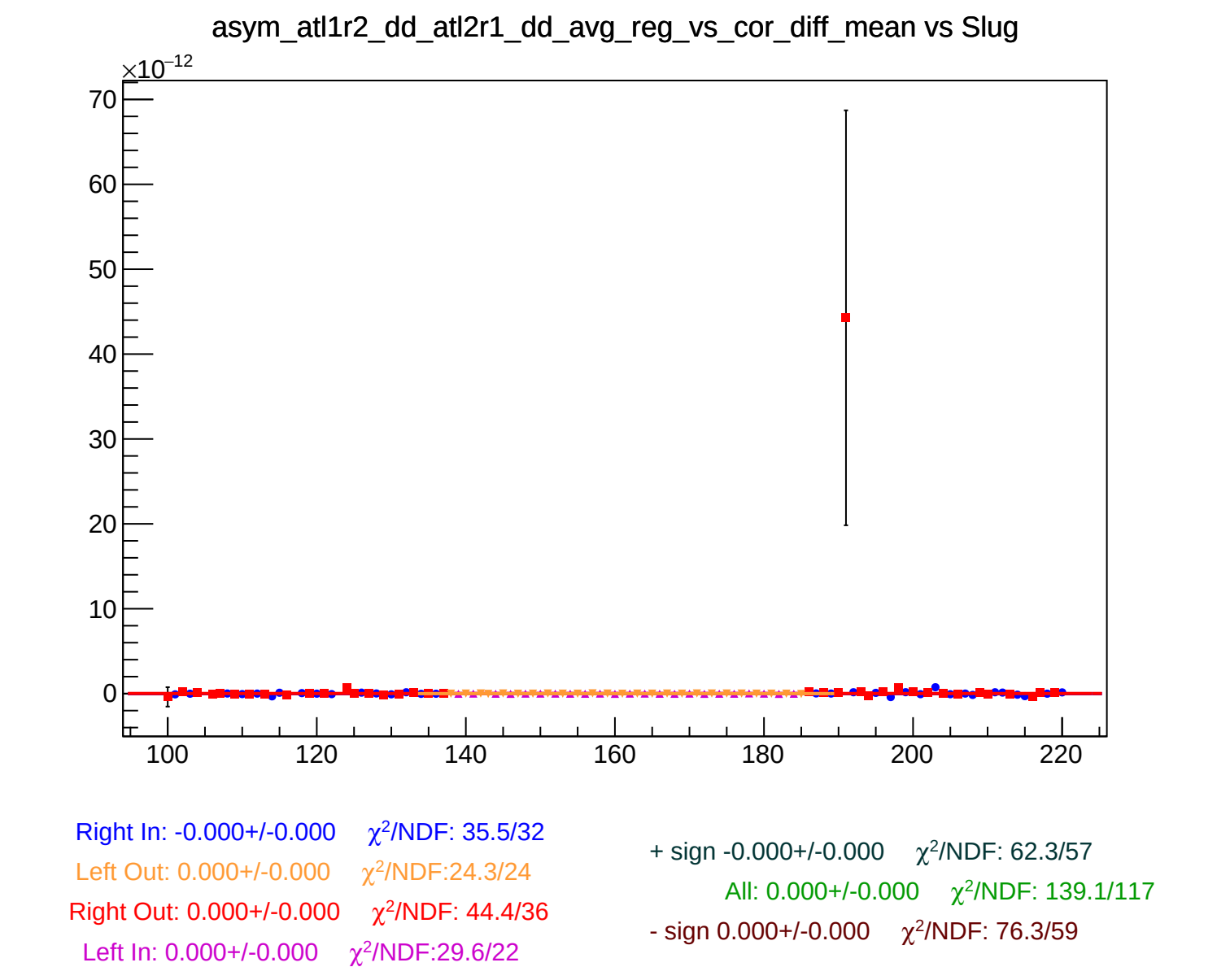
Right Out: 1729.554+/-0.271 χ^2/NDF: 1574246.7/36

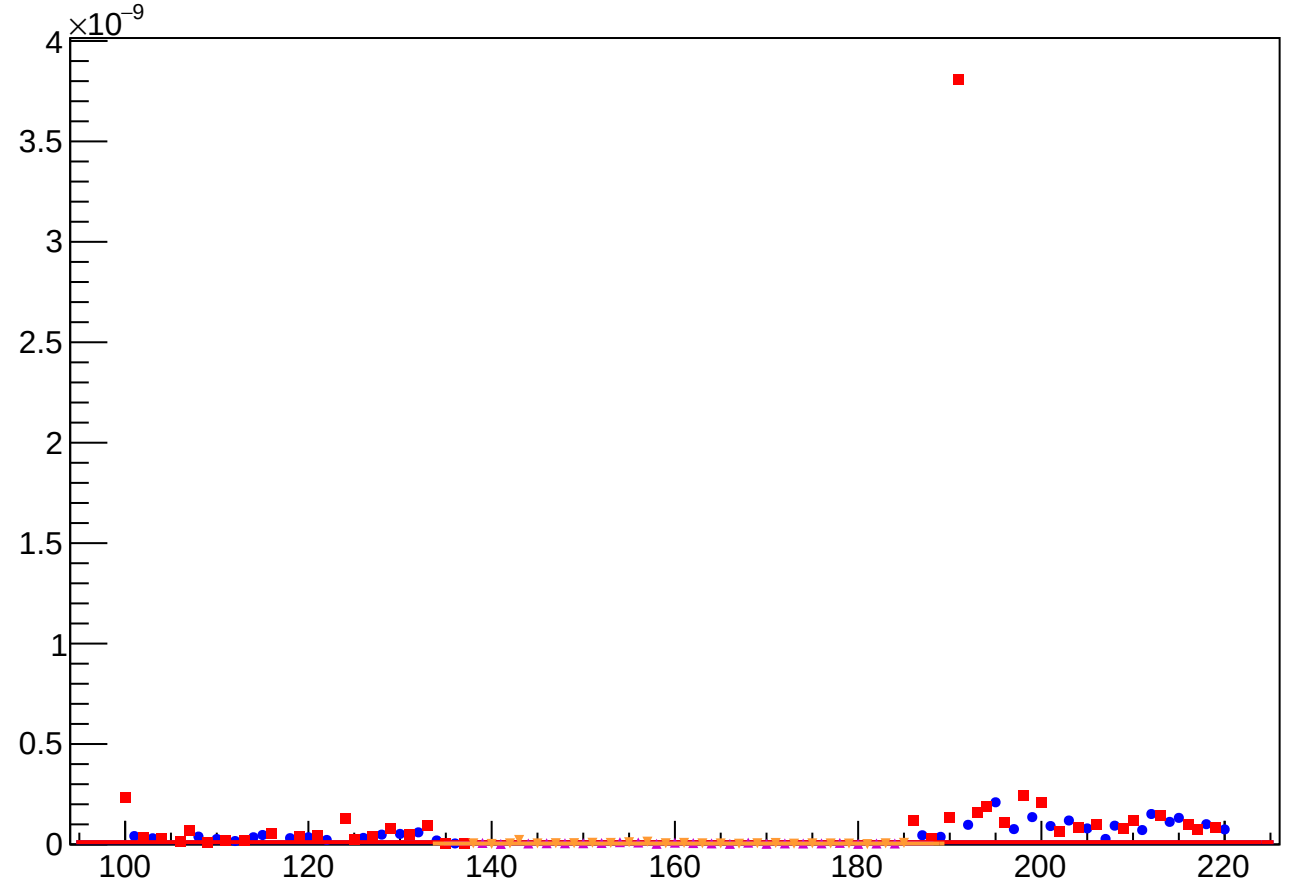
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1460.303+/-0.166 χ^2/NDF: 3262948.5/57

All: 1459.912+/-0.118 χ^2/NDF: 6492232.5/11

- sign 1459.511+/-0.168 χ^2/NDF: 3229272.8/59


asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 35.5/32
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 44.4/36
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 62.3/57
All: 0.000+/-0.000 χ²/NDF: 139.1/117
- sign 0.000+/-0.000 χ²/NDF: 76.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 11219317.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

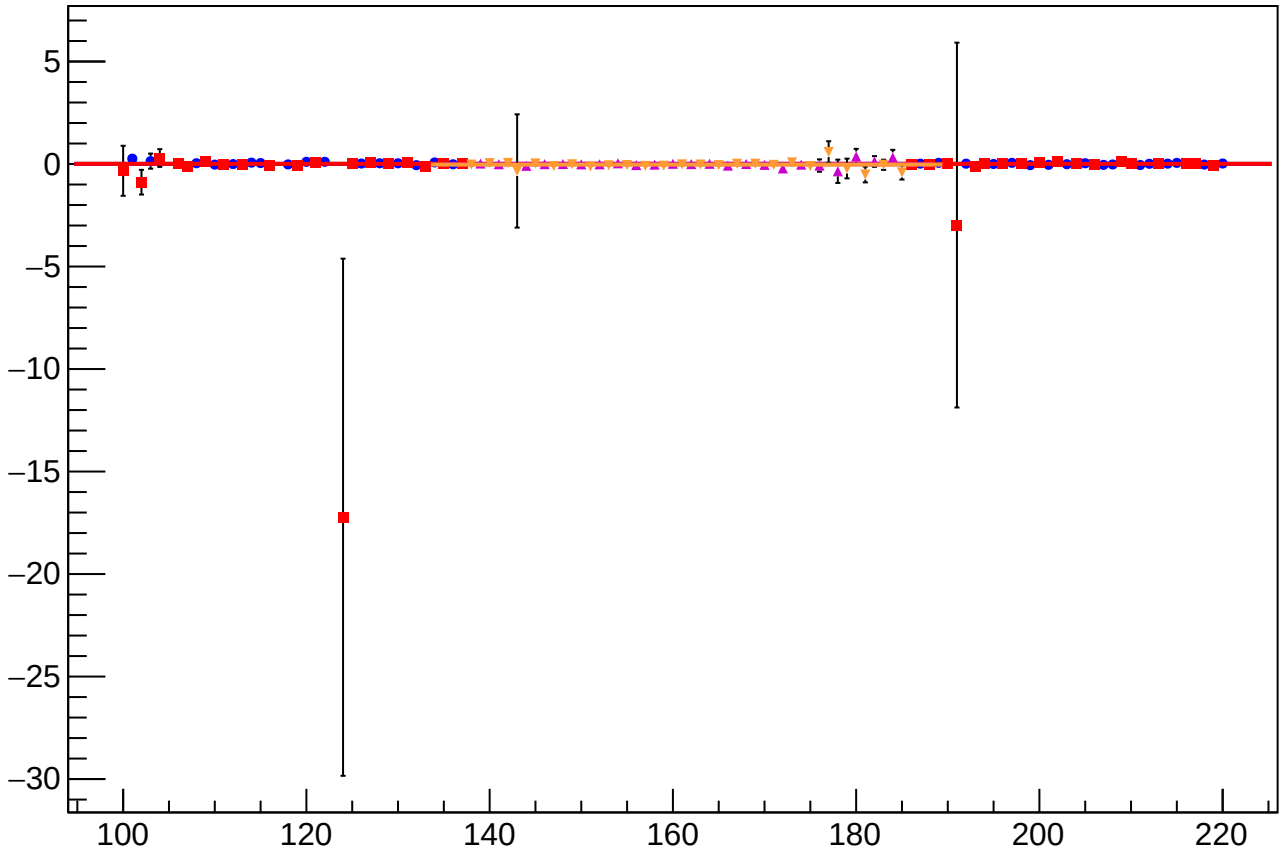
Right Out: 0.000+/-0.000 χ^2/NDF: 12572890.2/36

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15413436.2/57

All: 0.000+/-0.000 χ^2/NDF: 31278183.8/117

- sign 0.000+/-0.000 χ^2/NDF: 15840693.9/59



Right In: 0.008+/-0.010 χ^2/NDF: 19.3/32

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.010+/-0.010 χ^2/NDF: 30.9/36

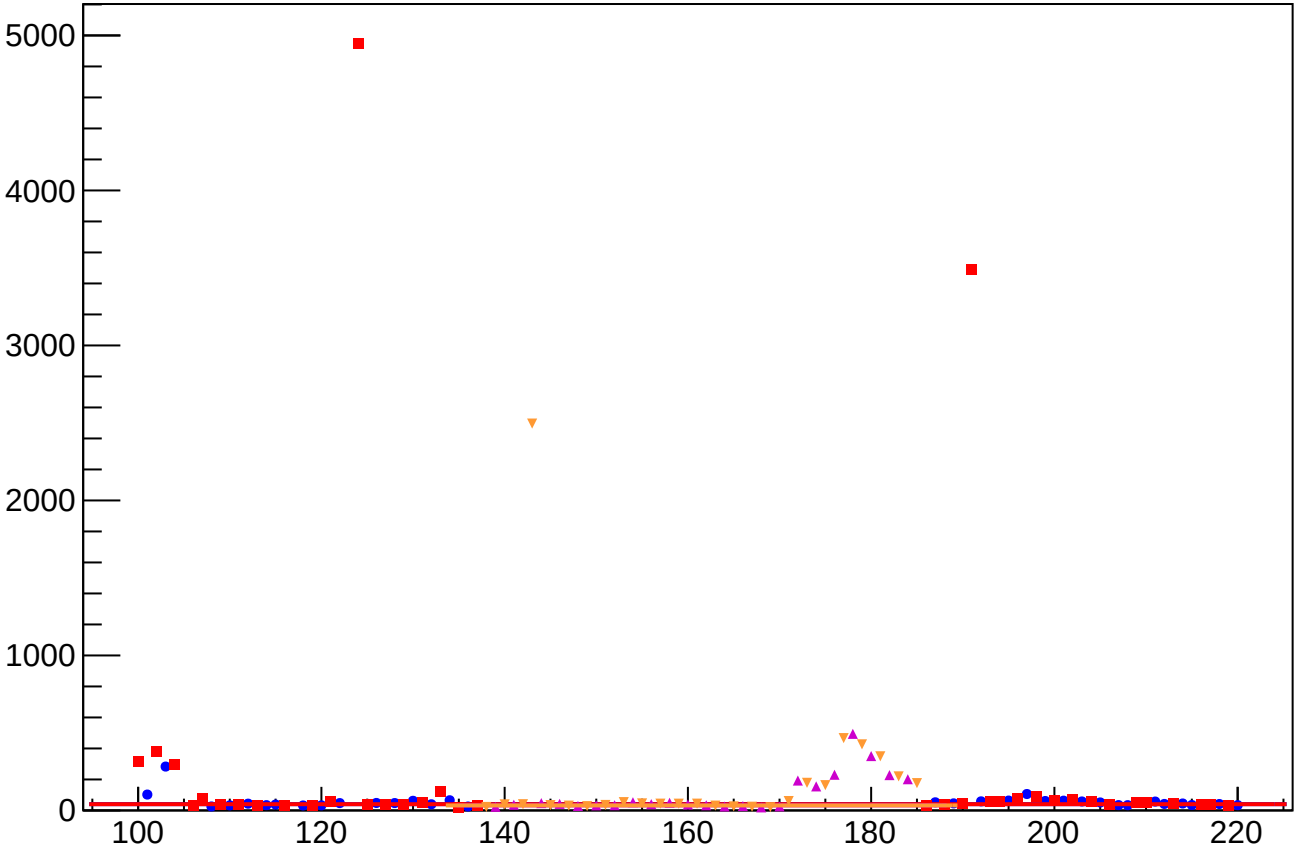
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.011+/-0.007 χ^2/NDF: 54.3/57

All: -0.006+/-0.005 χ^2/NDF: 101.6/117

- sign -0.001+/-0.007 χ^2/NDF: 46.3/59

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 40.762+/-0.007 χ^2/NDF: 4375779.9/32

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

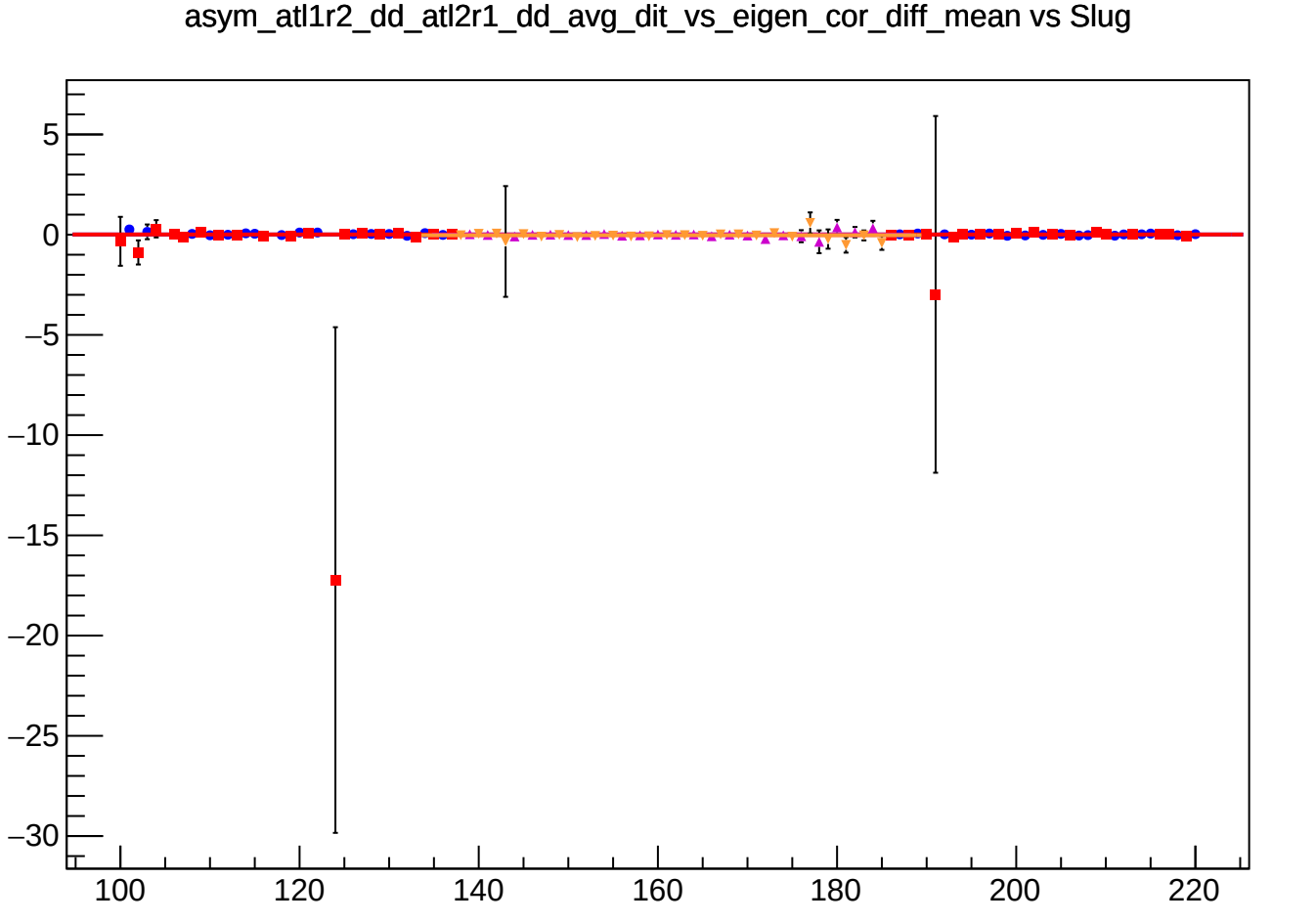
Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

\+ sign 36.444+/-0.005 χ^2/NDF: 15953445.2/57

All: 36.401+/-0.003 χ^2/NDF: 31174257.0/117

\- sign 36.359+/-0.005 χ^2/NDF: 15220659.4/59



Right In: 0.008+/-0.010 χ^2/NDF: 19.3/32

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

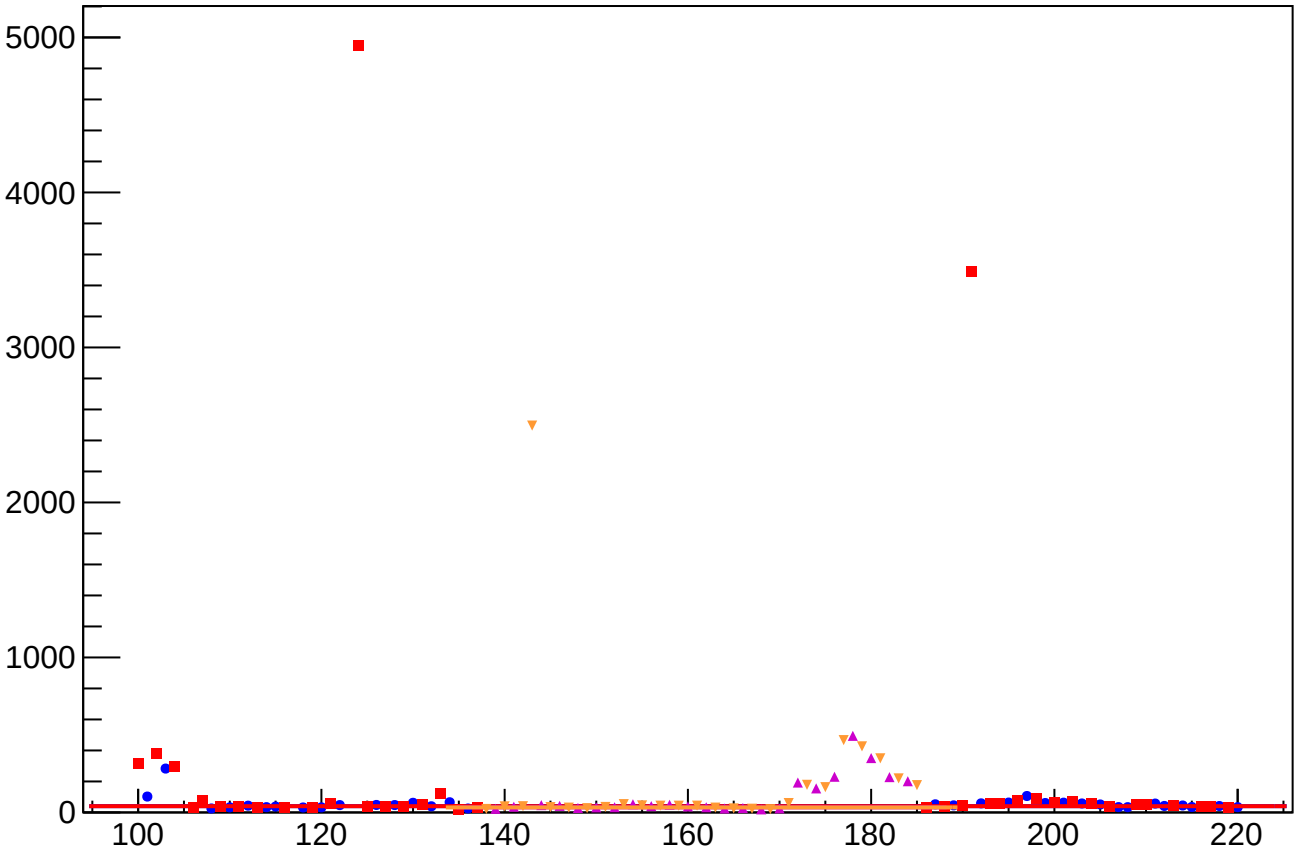
Right Out: 0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.011+/-0.007 χ^2/NDF: 54.3/57

All: -0.006+/-0.005 χ^2/NDF: 101.6/117

- sign -0.001+/-0.007 χ^2/NDF: 46.3/59



Right In: 40.762+/-0.007 χ^2/NDF: 4375779.9/32

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

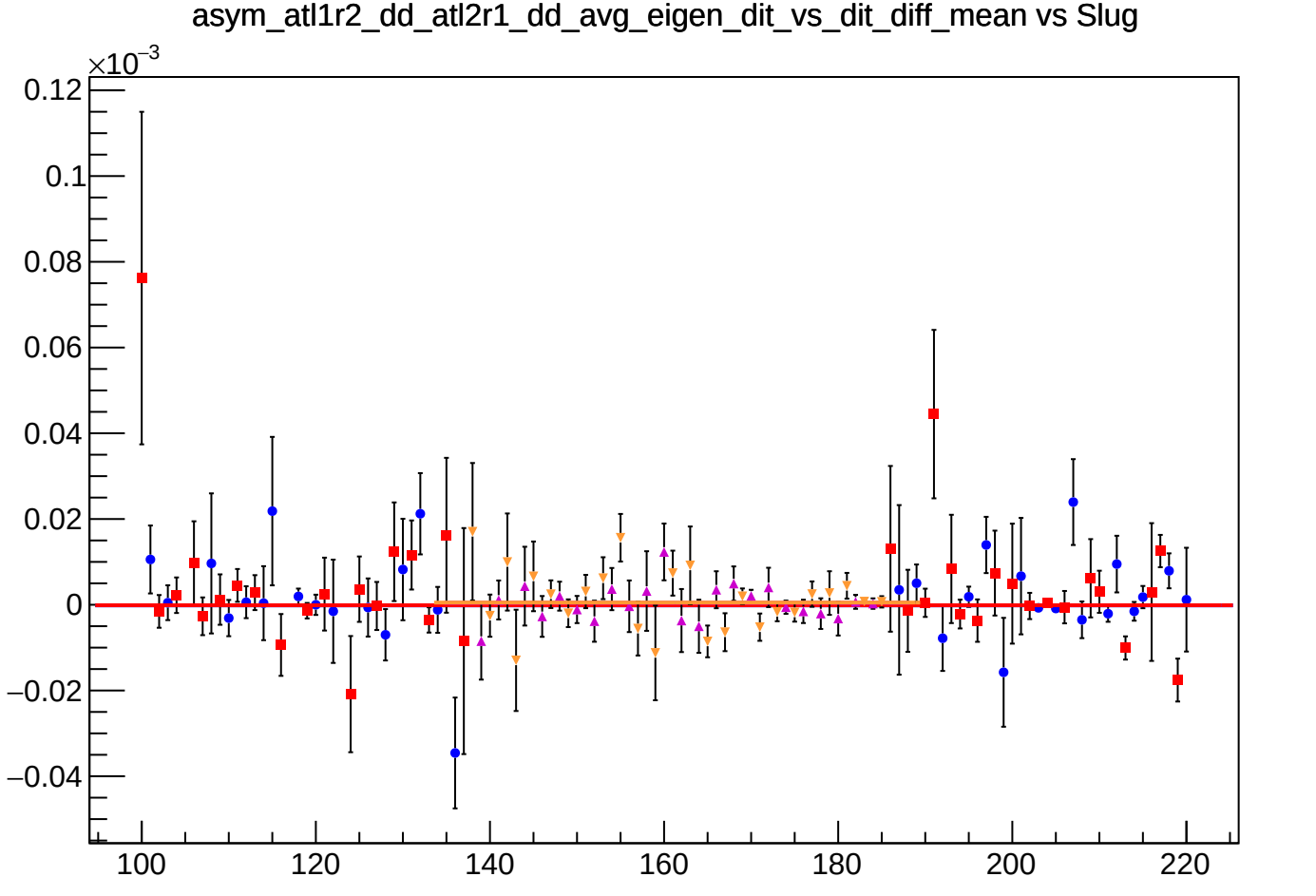
Right Out: 40.407+/-0.007 χ^2/NDF: 5642083.0/36

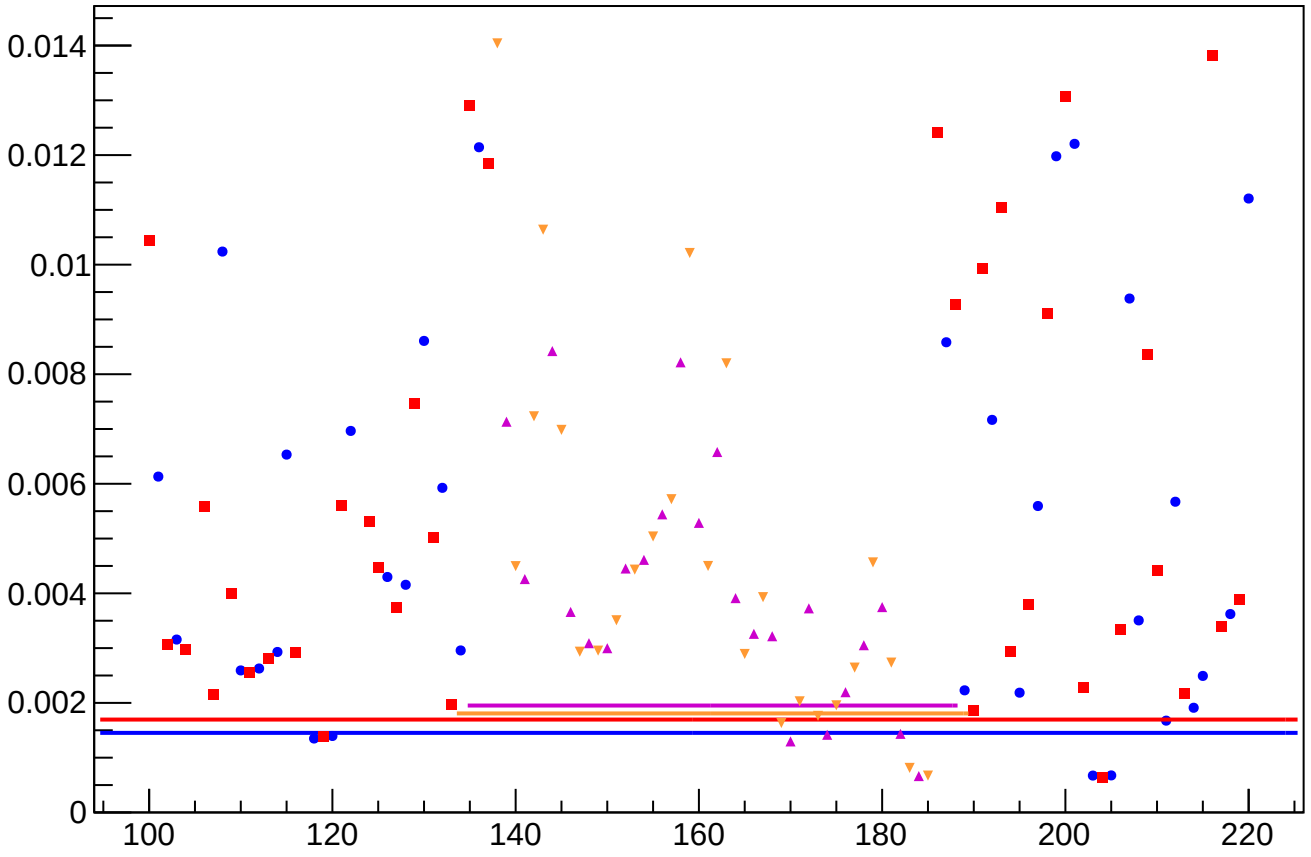
Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 36.444+/-0.005 χ^2/NDF: 15953445.2/57

All: 36.401+/-0.003 χ^2/NDF: 31174257.0/117

- sign 36.359+/-0.005 χ^2/NDF: 15220659.4/59


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.12
0.1
0.08
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 44.8/32
Left Out: 0.000+/-0.000 χ²/NDF:35.7/24
Right Out: -0.000+/-0.000 χ²/NDF: 64.3/36
Left In: 0.000+/-0.000 χ²/NDF:13.7/22
+ sign 0.000+/-0.000 χ²/NDF: 81.4/57
All: 0.000+/-0.000 χ²/NDF: 159.9/117
- sign 0.000+/-0.000 χ²/NDF: 78.5/59



Right In: 0.001+/-0.000 χ^2/NDF: 19184752.5/32

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

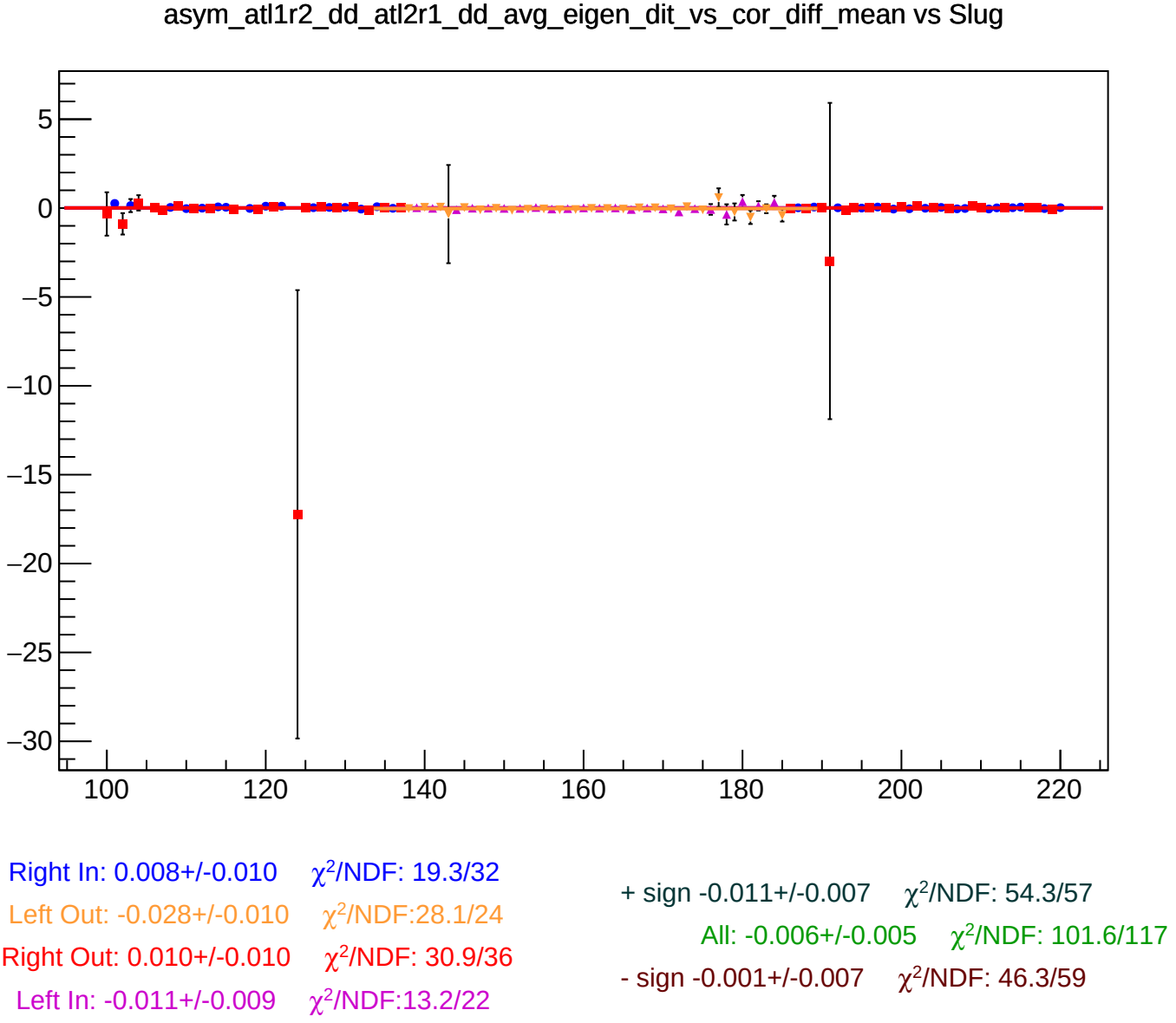
Right Out: 0.002+/-0.000 χ^2/NDF: 19241886.0/36

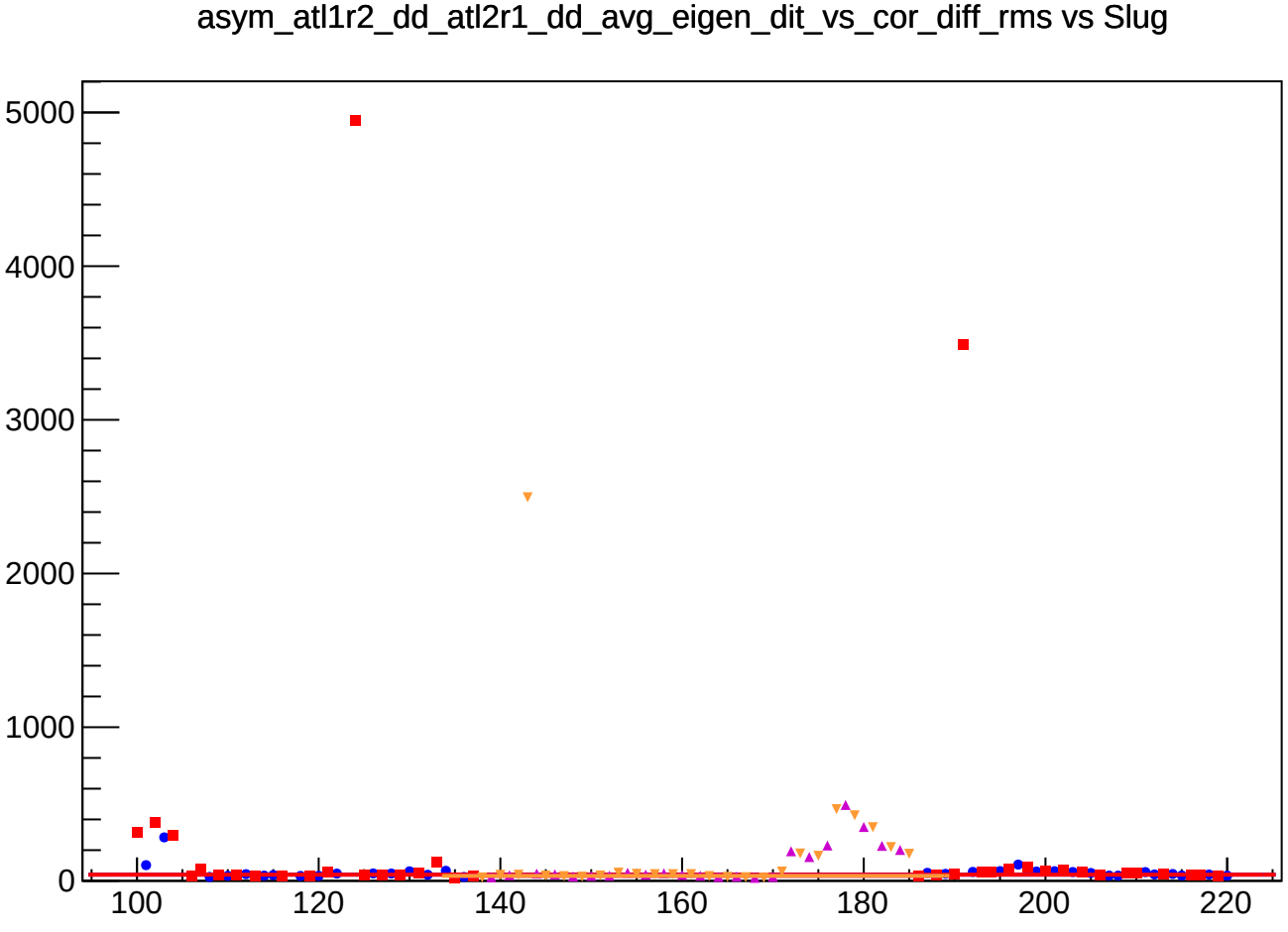
Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 34610398.3/57

All: 0.002+/-0.000 χ^2/NDF: 65844278.9/117

- sign 0.002+/-0.000 χ^2/NDF: 30927021.4/59


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug
5
0
−5
−10
−15
−20
−25
−30
100
120
140
160
180
200
220
Right In: 0.008+/-0.010 χ²/NDF: 19.3/32
Left Out: -0.028+/-0.010 χ²/NDF:28.1/24
Right Out: 0.010+/-0.010 χ²/NDF: 30.9/36
Left In: -0.011+/-0.009 χ²/NDF:13.2/22
+ sign -0.011+/-0.007 χ²/NDF: 54.3/57
All: -0.006+/-0.005 χ²/NDF: 101.6/117
- sign -0.001+/-0.007 χ²/NDF: 46.3/59



Right In: 40.762+/-0.007 χ^2/NDF: 4375387.0/32

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

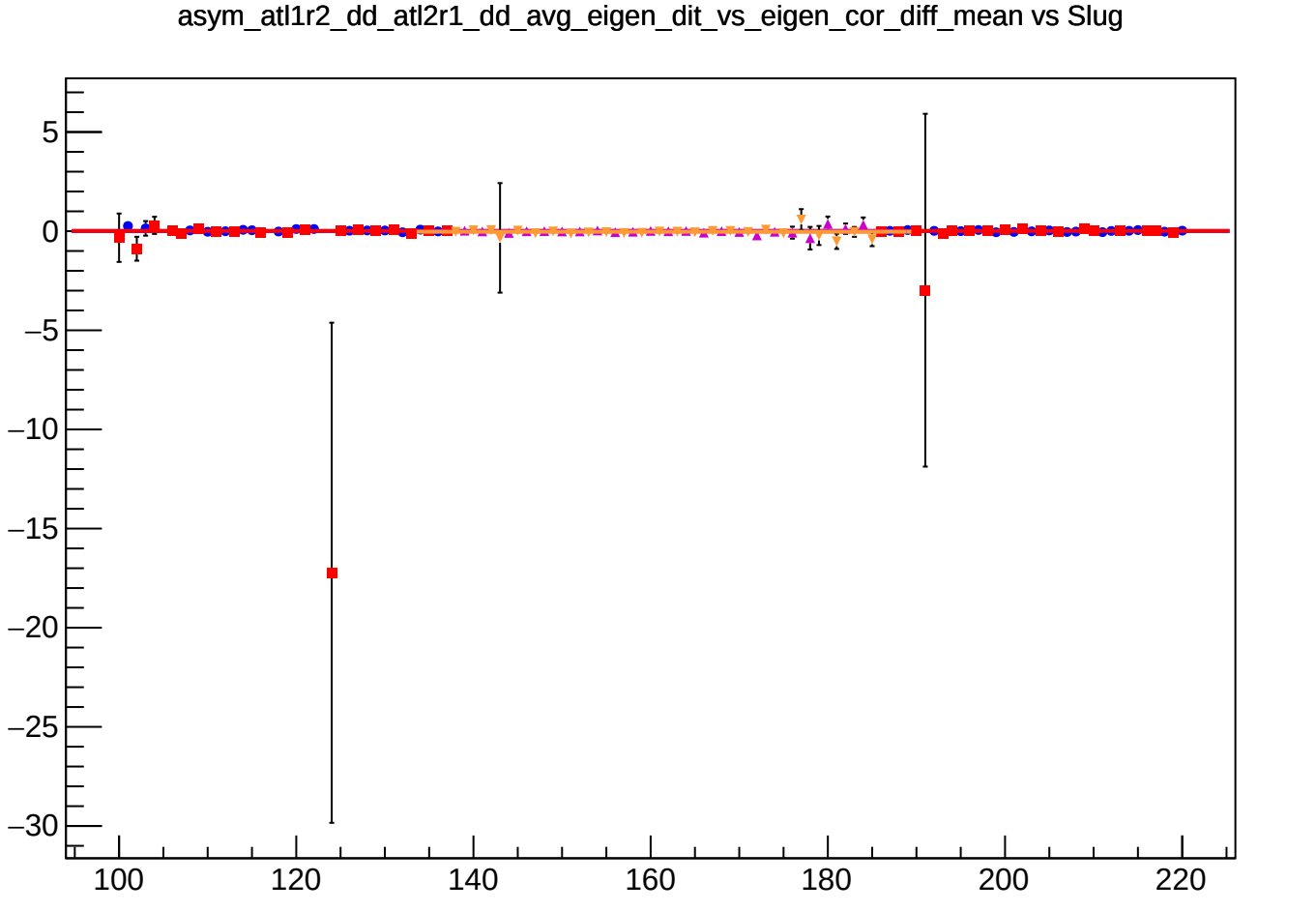
Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.444+/-0.005 χ^2/NDF: 15953395.4/57

All: 36.401+/-0.003 χ^2/NDF: 31174841.4/117

- sign 36.358+/-0.005 χ^2/NDF: 15221291.0/59



Right In: 0.008+/-0.010 χ^2/NDF: 19.3/32

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

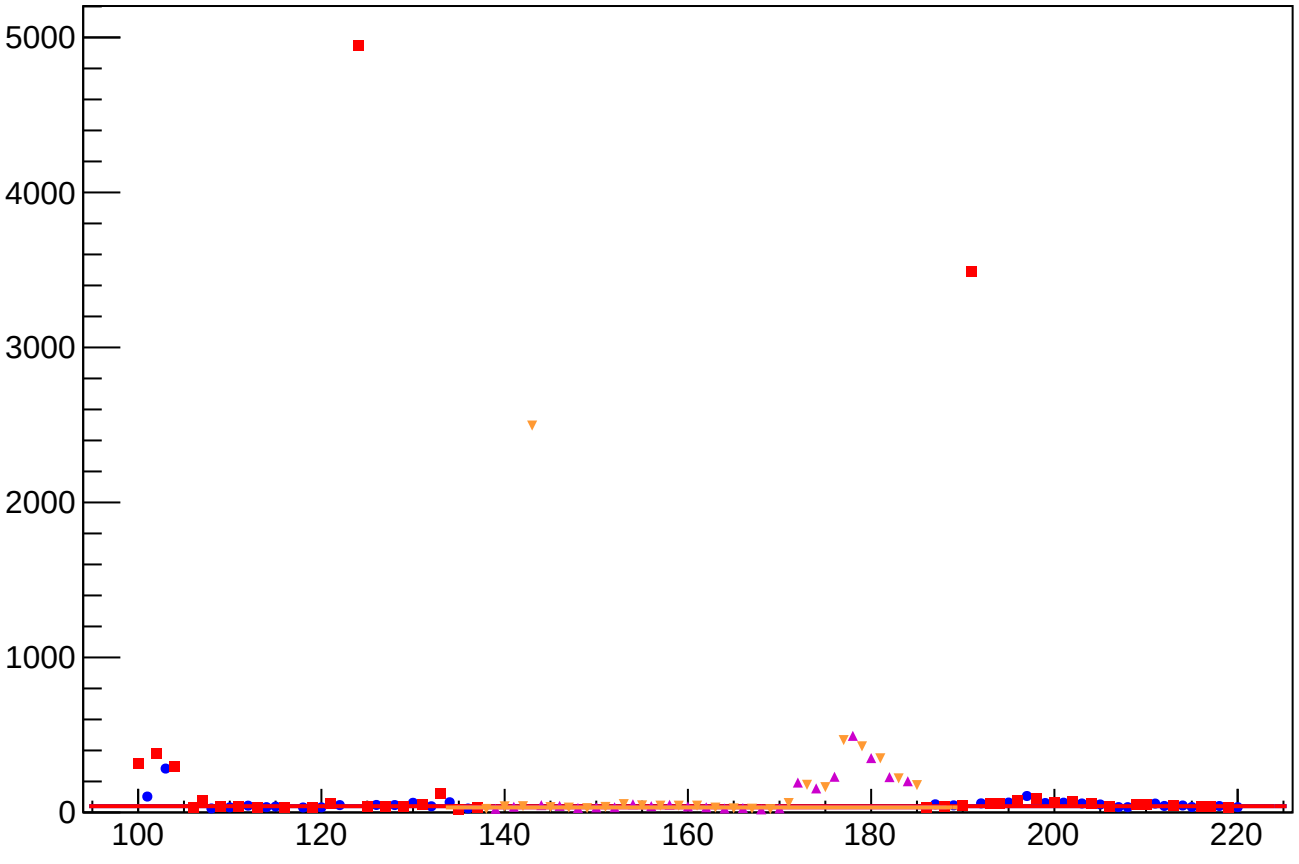
Right Out: 0.010+/-0.010 χ^2/NDF: 30.9/36

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

\+ sign -0.011+/-0.007 χ^2/NDF: 54.3/57

All: -0.006+/-0.005 χ^2/NDF: 101.6/117

\- sign -0.001+/-0.007 χ^2/NDF: 46.3/59



Right In: 40.762+/-0.007 χ^2/NDF: 4375387.0/32

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

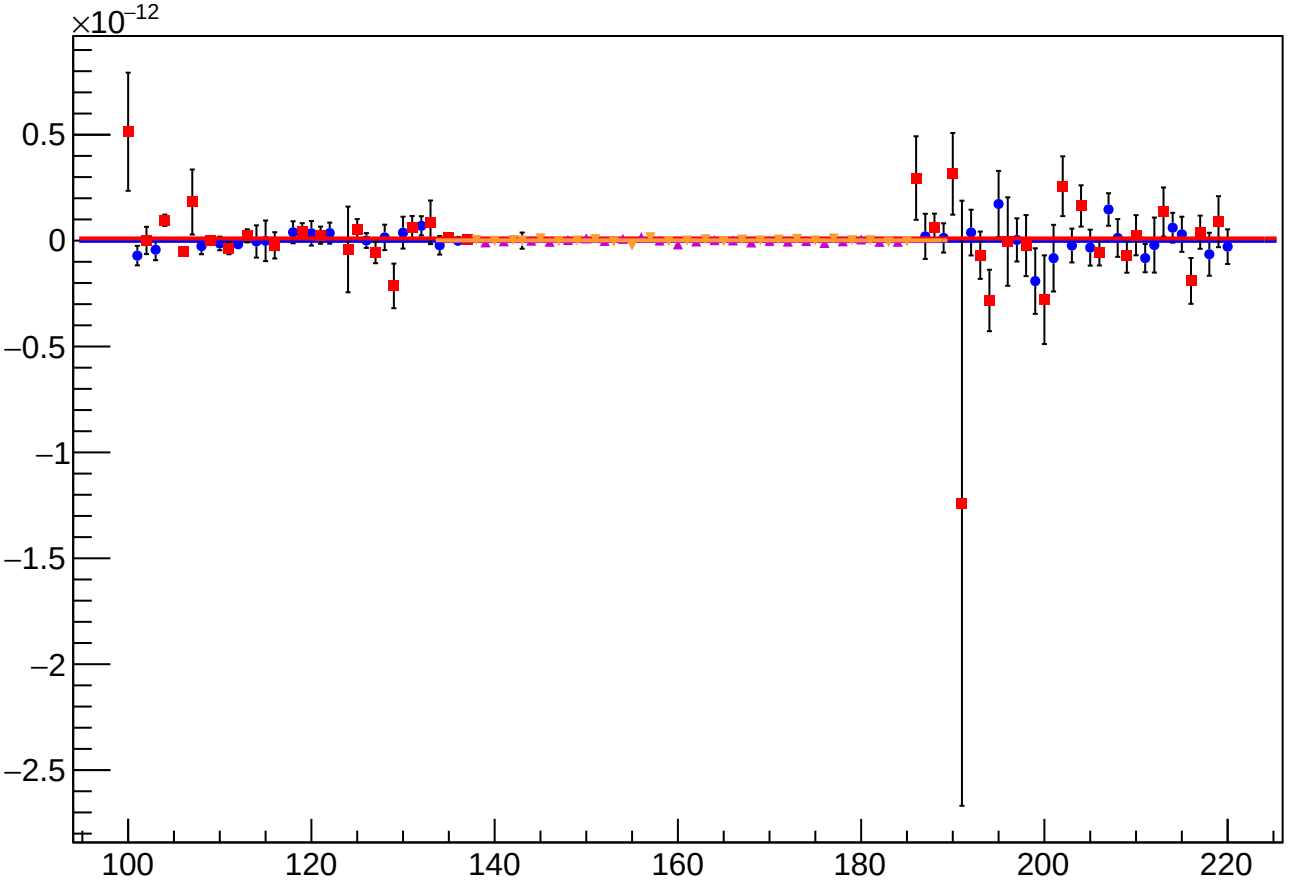
Right Out: 40.408+/-0.007 χ^2/NDF: 5641847.8/36

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 36.444+/-0.005 χ^2/NDF: 15953395.4/57

All: 36.401+/-0.003 χ^2/NDF: 31174841.4/117

- sign 36.358+/-0.005 χ^2/NDF: 15221291.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 18.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

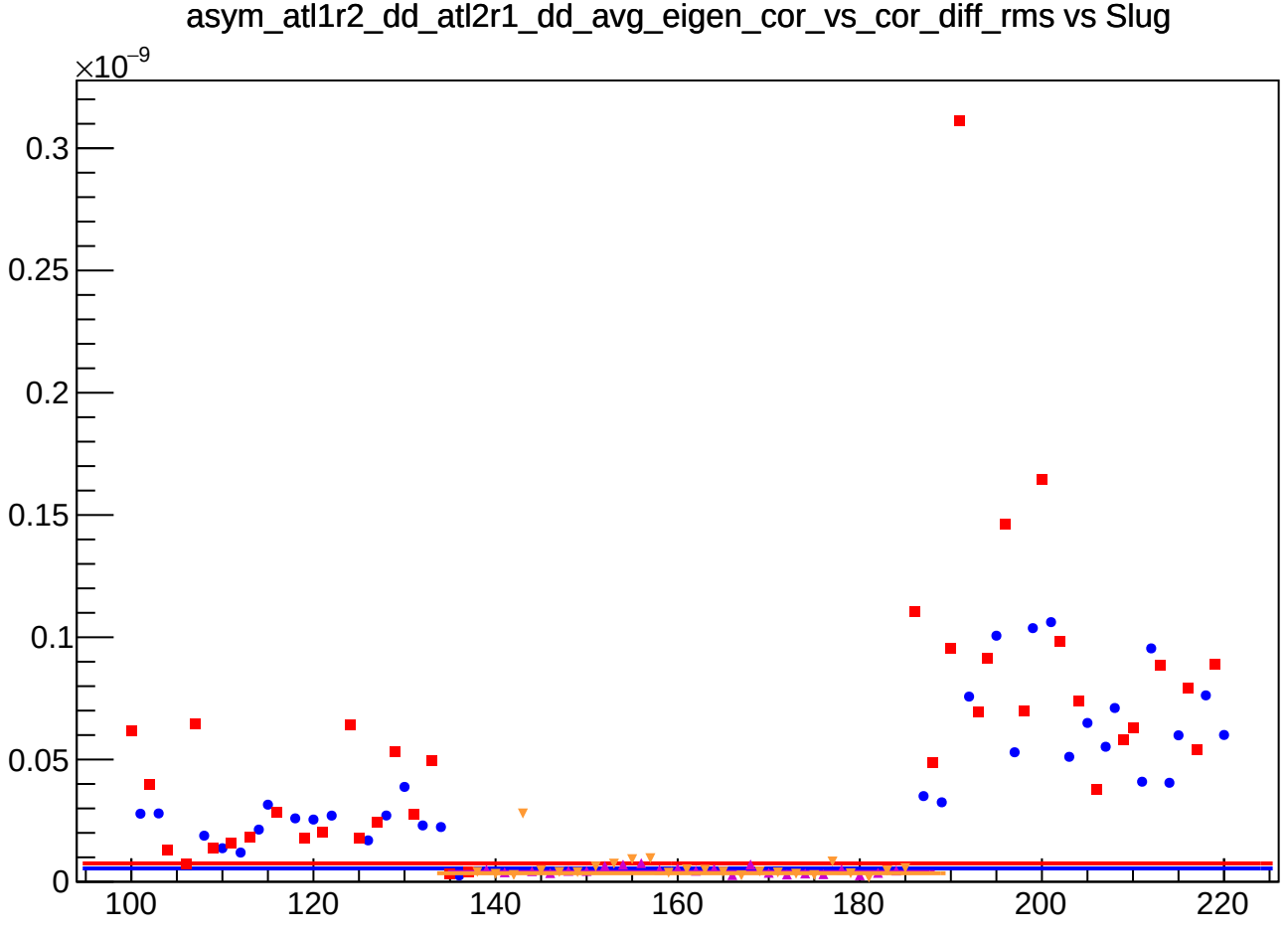
Right Out: 0.000+/-0.000 χ^2/NDF: 65.5/36

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.4/57

All: 0.000+/-0.000 χ^2/NDF: 140.0/117

- sign -0.000+/-0.000 χ^2/NDF: 101.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 17764139.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 17918262.2/36

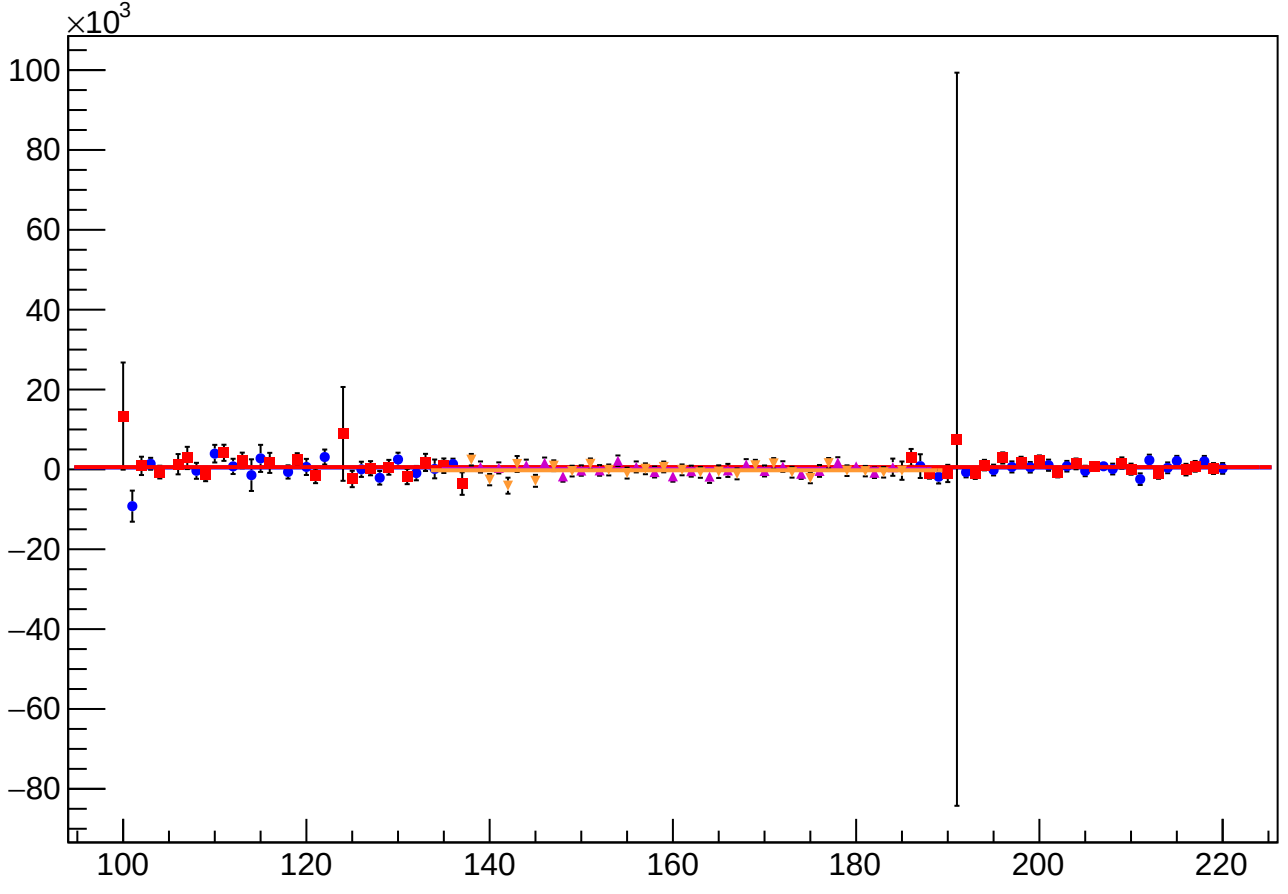
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 23060705.8/57

All: 0.000+/-0.000 χ^2/NDF: 44704325.5/117

- sign 0.000+/-0.000 χ^2/NDF: 21362391.1/59

reg_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 473.348+/-276.428 χ^2/NDF: 29.6/32

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 576.736+/-277.611 χ^2/NDF: 29.8/36

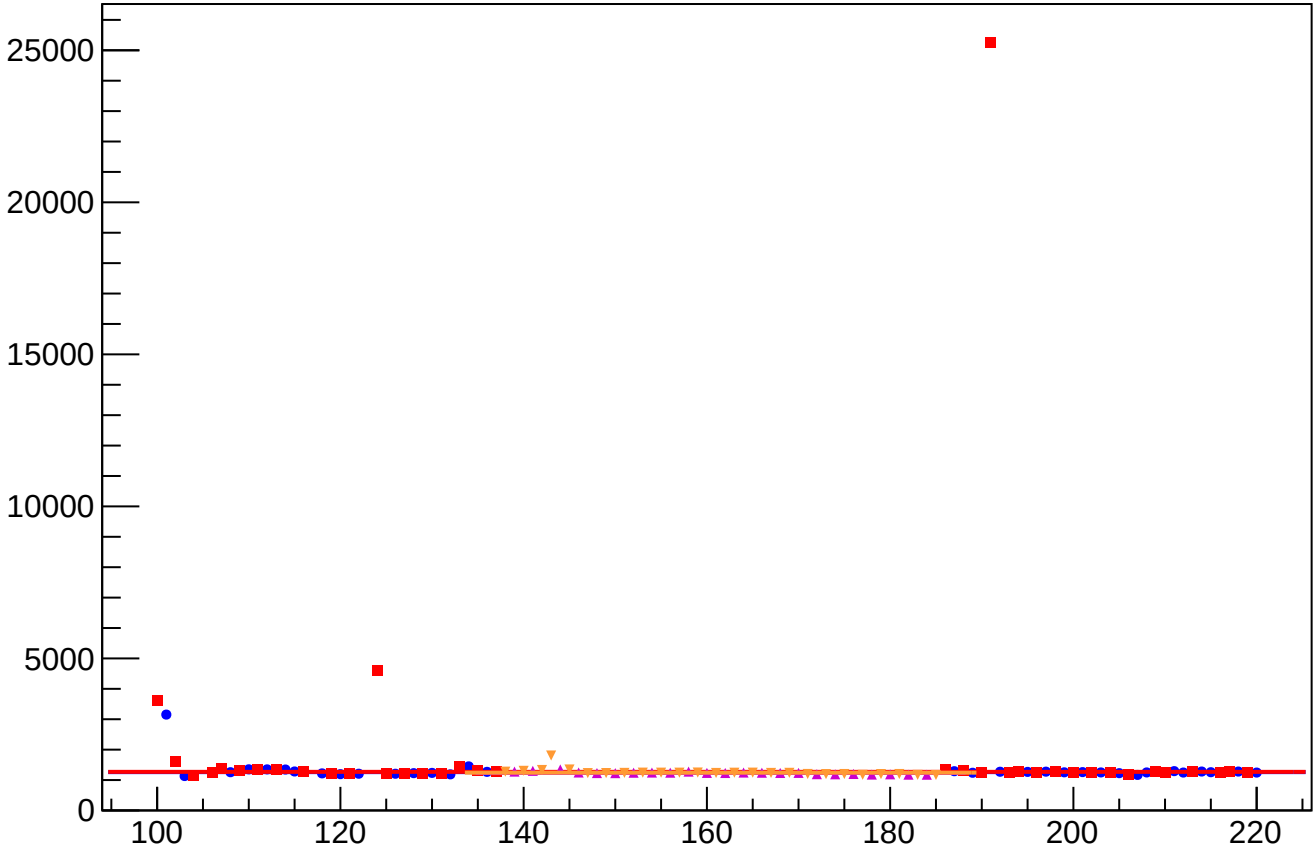
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 134.533+/-197.765 χ^2/NDF: 56.6/57

All: 237.943+/-140.605 χ^2/NDF: 103.1/117

- sign 343.644+/-199.945 χ^2/NDF: 46.0/59

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1260.165+/-0.195 χ^2/NDF: 536294.4/32

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

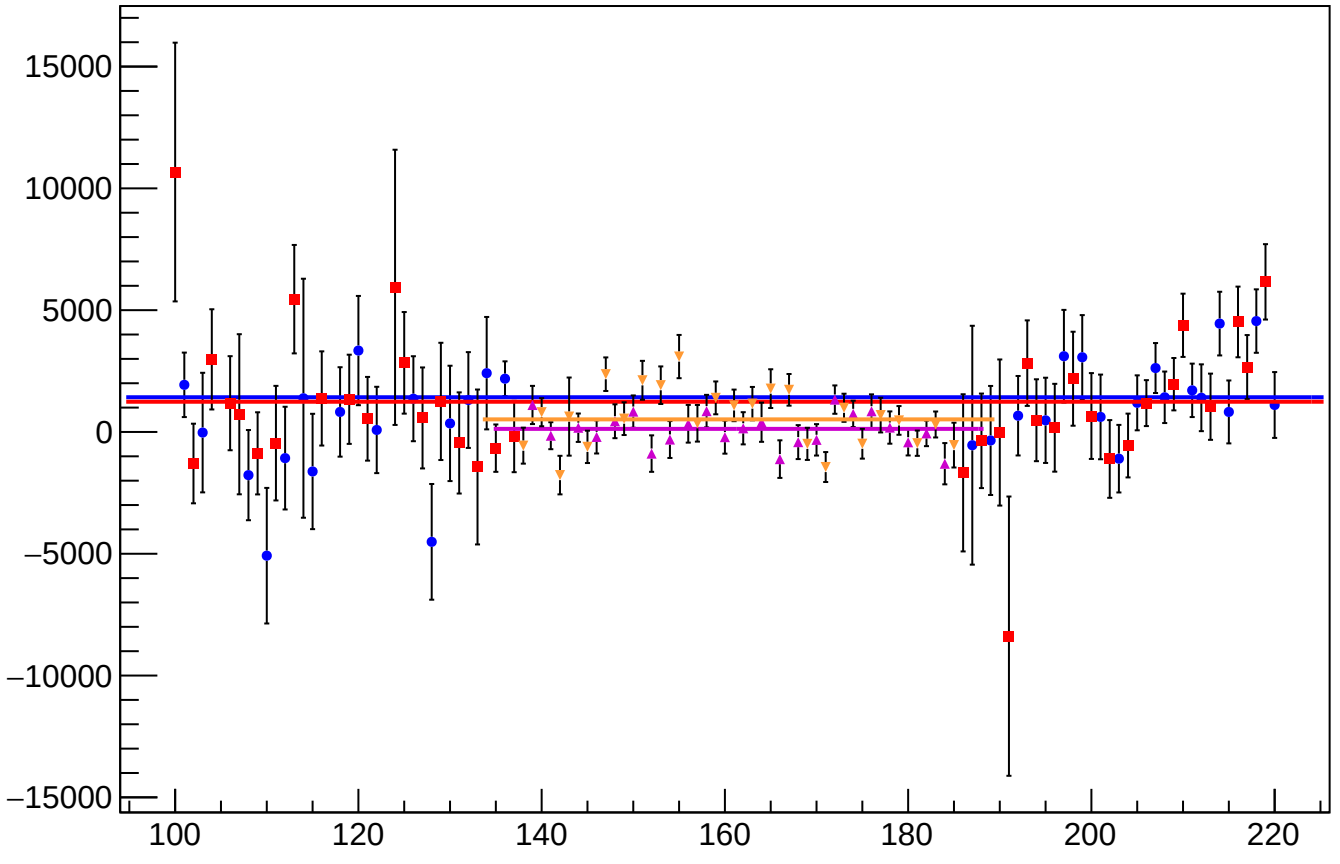
Right Out: 1269.545+/-0.196 χ^2/NDF: 487602.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.700+/-0.140 χ^2/NDF: 743435.5/57

All: 1252.007+/-0.099 χ^2/NDF: 1286330.4/11

- sign 1252.320+/-0.141 χ^2/NDF: 542885.2/59



Right In: 1425.047+/-265.047 χ^2/NDF: 40.6/32

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

Right Out: 1240.765+/-279.291 χ^2/NDF: 52.7/36

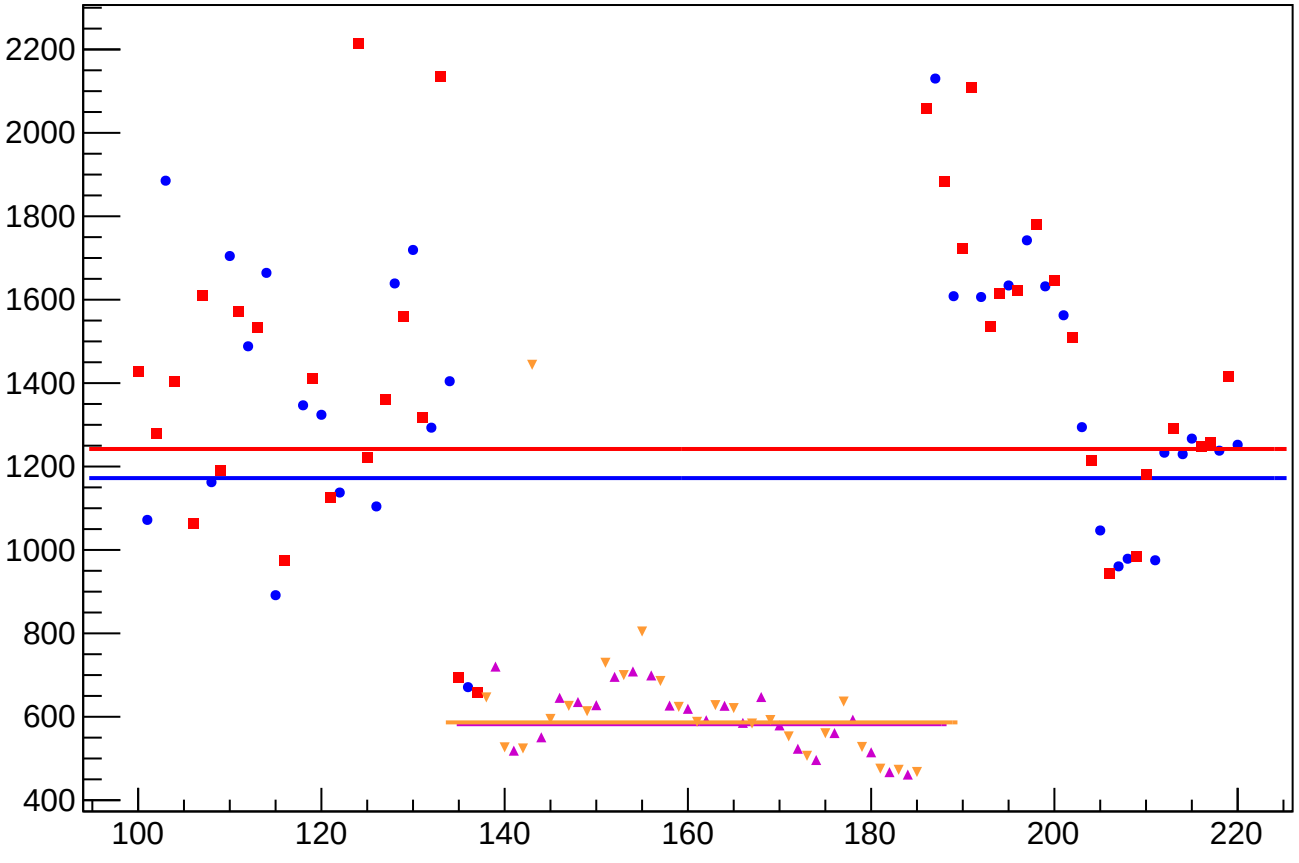
Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

+ sign 705.527+/-120.822 χ^2/NDF: 116.9/57

All: 527.953+/-86.260 χ^2/NDF: 208.3/117

- sign 343.345+/-123.192 χ^2/NDF: 87.0/59

asym_at1_dd_at2_dd_avg_reg_correction_rms vs Slug



Right In: 1172.273+/-0.187 χ^2/NDF: 2720621.6/32

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

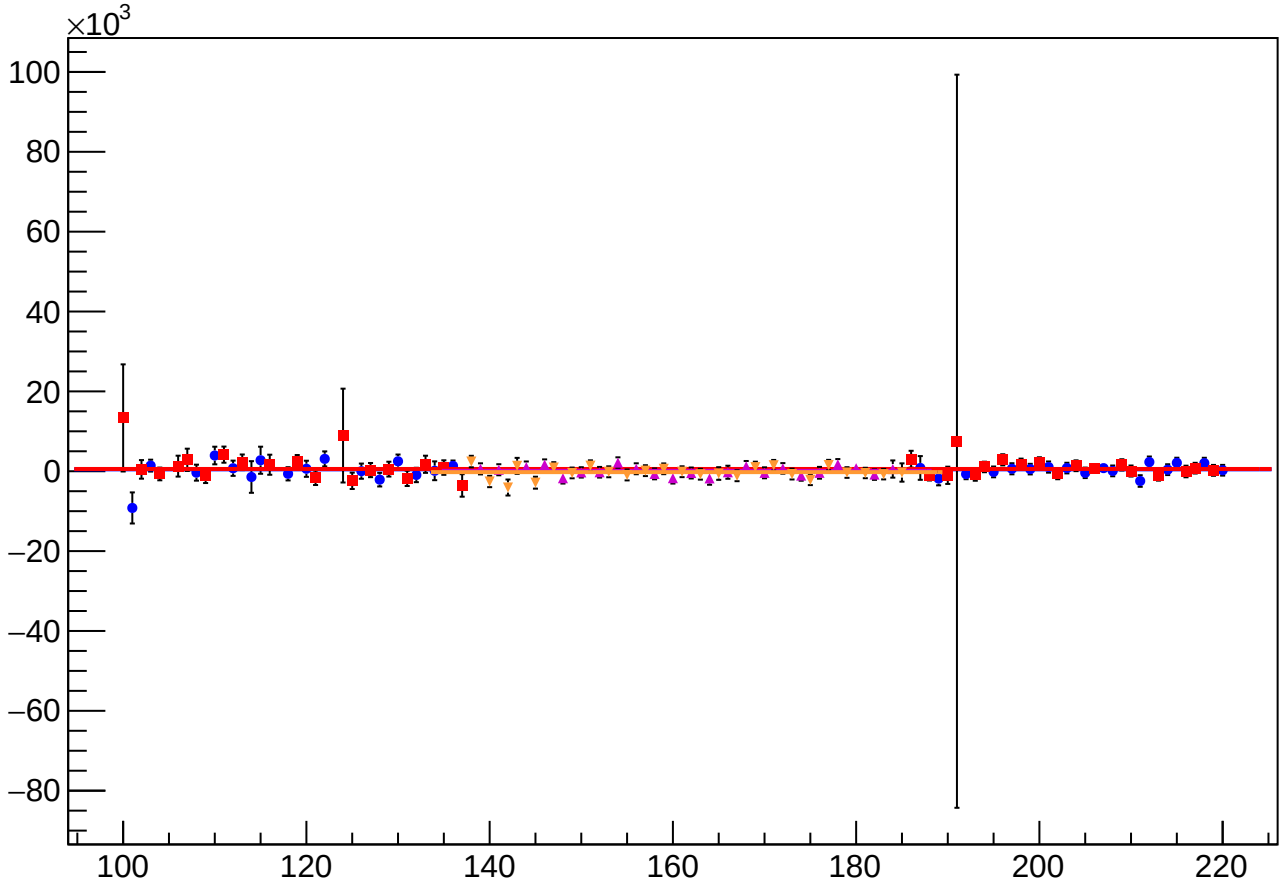
Right Out: 1242.083+/-0.197 χ^2/NDF: 2764689.4/36

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 708.269+/-0.085 χ^2/NDF: 11660913.6/57

All: 709.401+/-0.061 χ^2/NDF: 23978072.1/11

- sign 710.577+/-0.087 χ^2/NDF: 12316800.4/59



Right In: 473.529+/-276.428 χ^2/NDF: 29.6/32

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 569.969+/-277.768 χ^2/NDF: 29.8/36

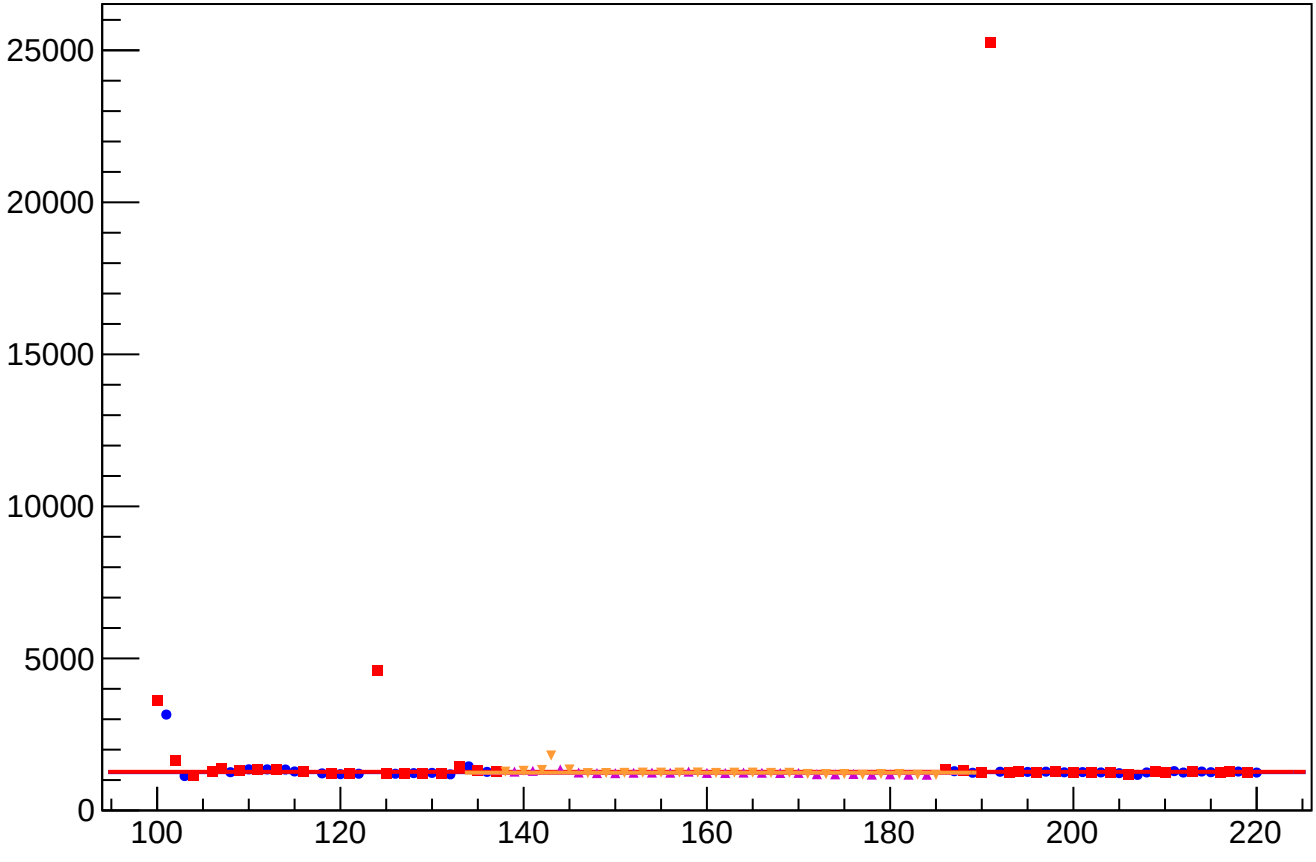
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 134.609+/-197.765 χ^2/NDF: 56.6/57

All: 236.165+/-140.626 χ^2/NDF: 103.0/117

- sign 340.033+/-200.004 χ^2/NDF: 45.9/59

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1260.165+/-0.195 χ^2/NDF: 536295.8/32

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

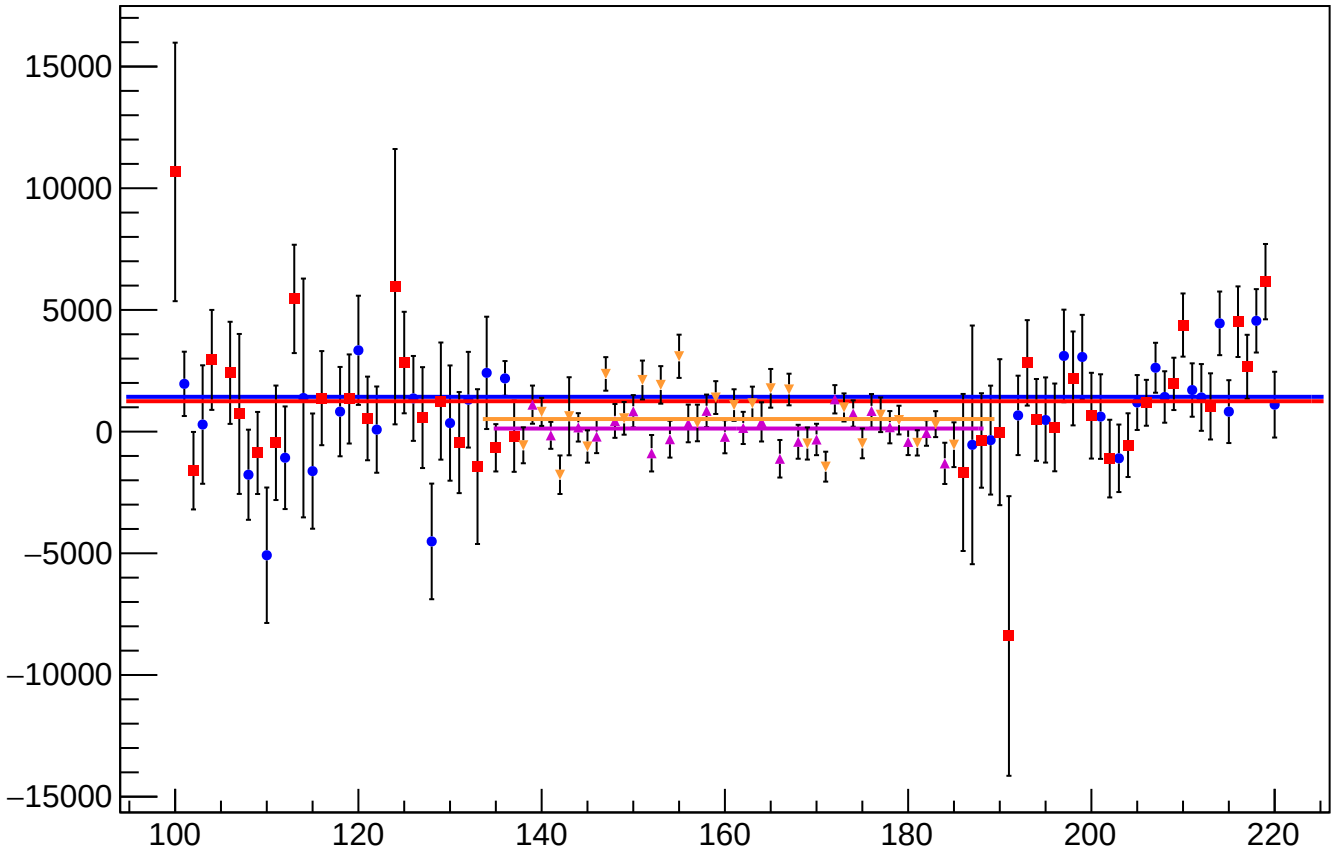
Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.700+/-0.140 χ^2/NDF: 743436.8/57

All: 1252.193+/-0.099 χ^2/NDF: 1294202.6/11

- sign 1252.697+/-0.141 χ^2/NDF: 550740.7/59



Right In: 1429.719+/-265.004 χ^2/NDF: 40.5/32

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

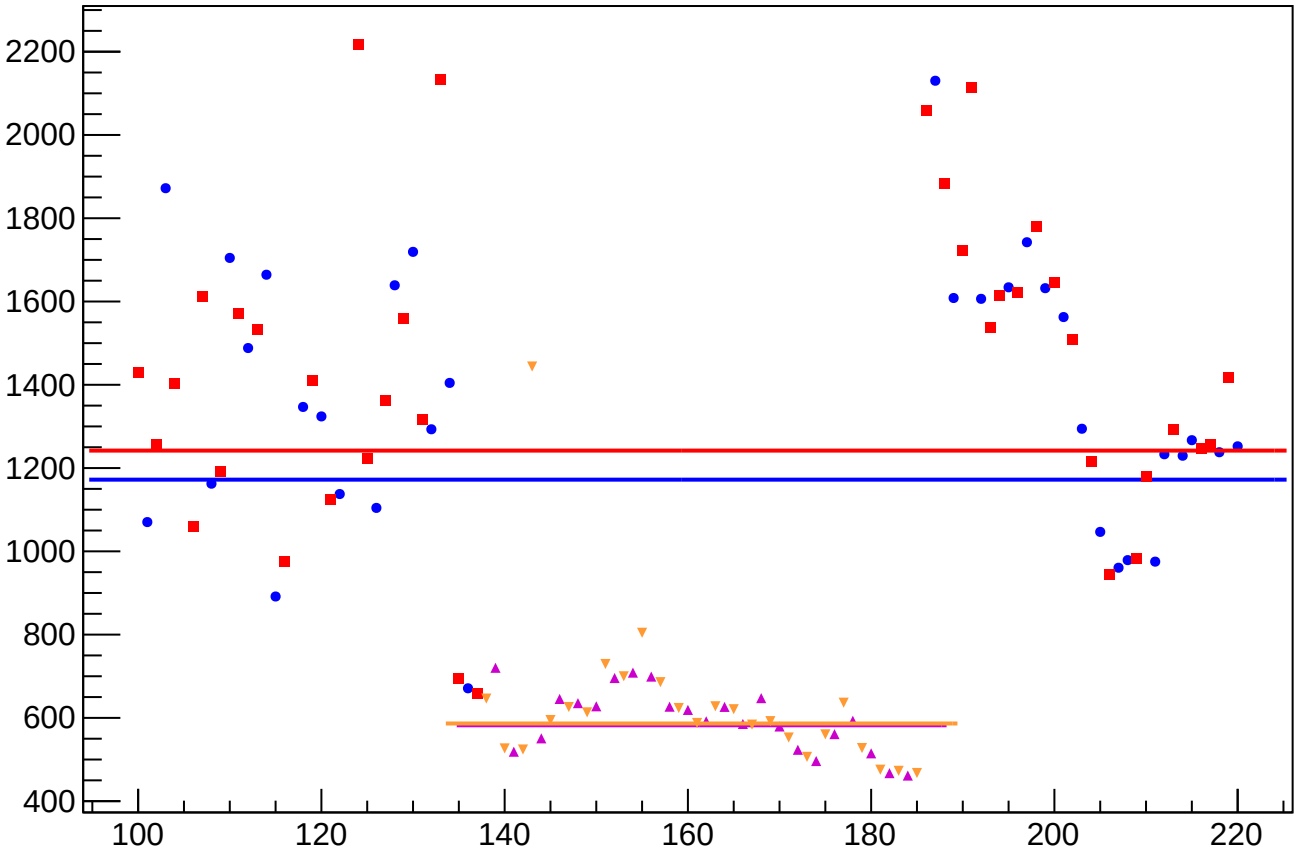
Right Out: 1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 706.564+/-120.818 χ^2/NDF: 116.9/57

All: 529.142+/-86.265 χ^2/NDF: 209.6/117

- sign 344.626+/-123.210 χ^2/NDF: 88.3/59



Right In: 1172.169+/-0.187 χ^2/NDF: 2717592.7/32

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

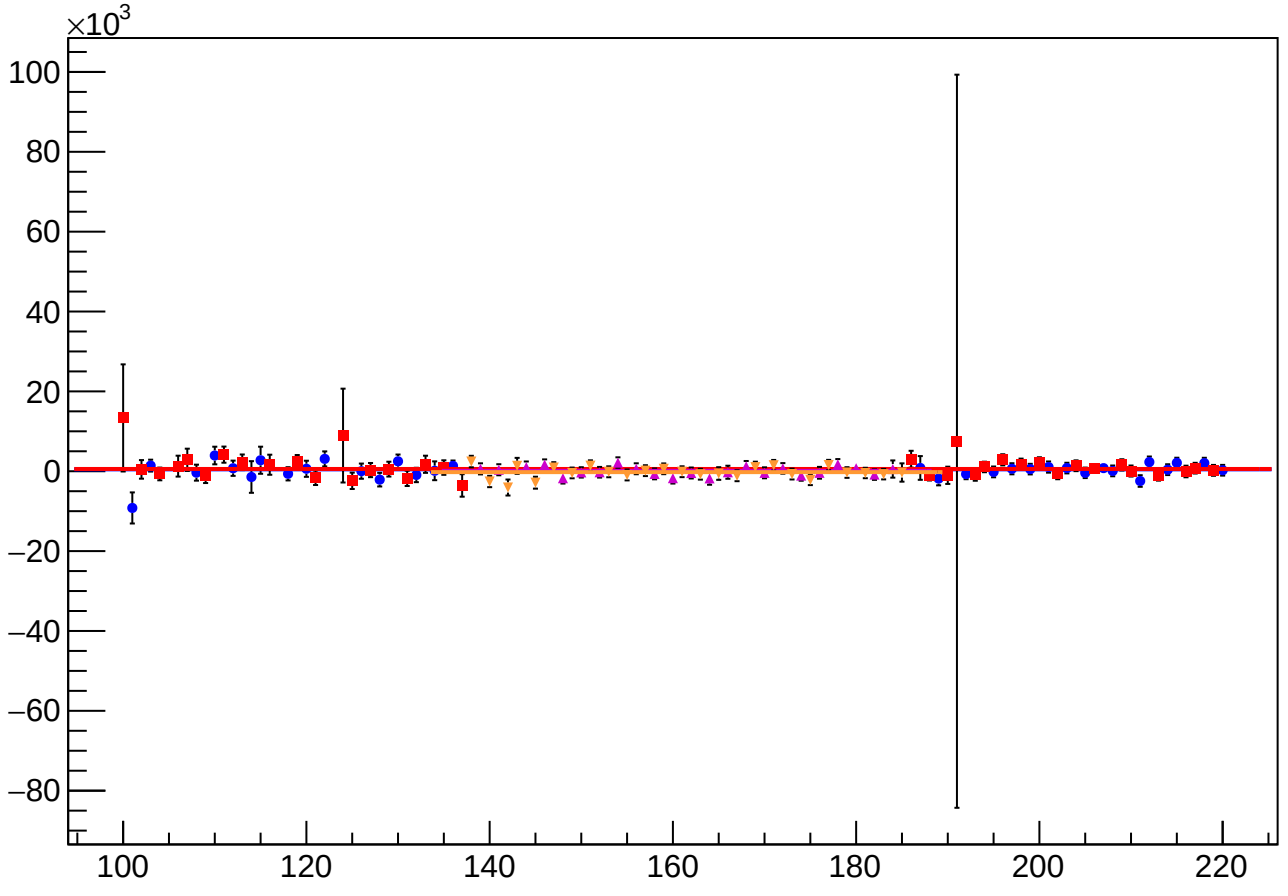
Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 708.283+/-0.085 χ^2/NDF: 11656884.8/57

All: 709.316+/-0.061 χ^2/NDF: 23956741.0/11

- sign 710.389+/-0.087 χ^2/NDF: 12299558.3/59



Right In: 473.529+/-276.428 χ^2/NDF: 29.6/32

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 569.969+/-277.768 χ^2/NDF: 29.8/36

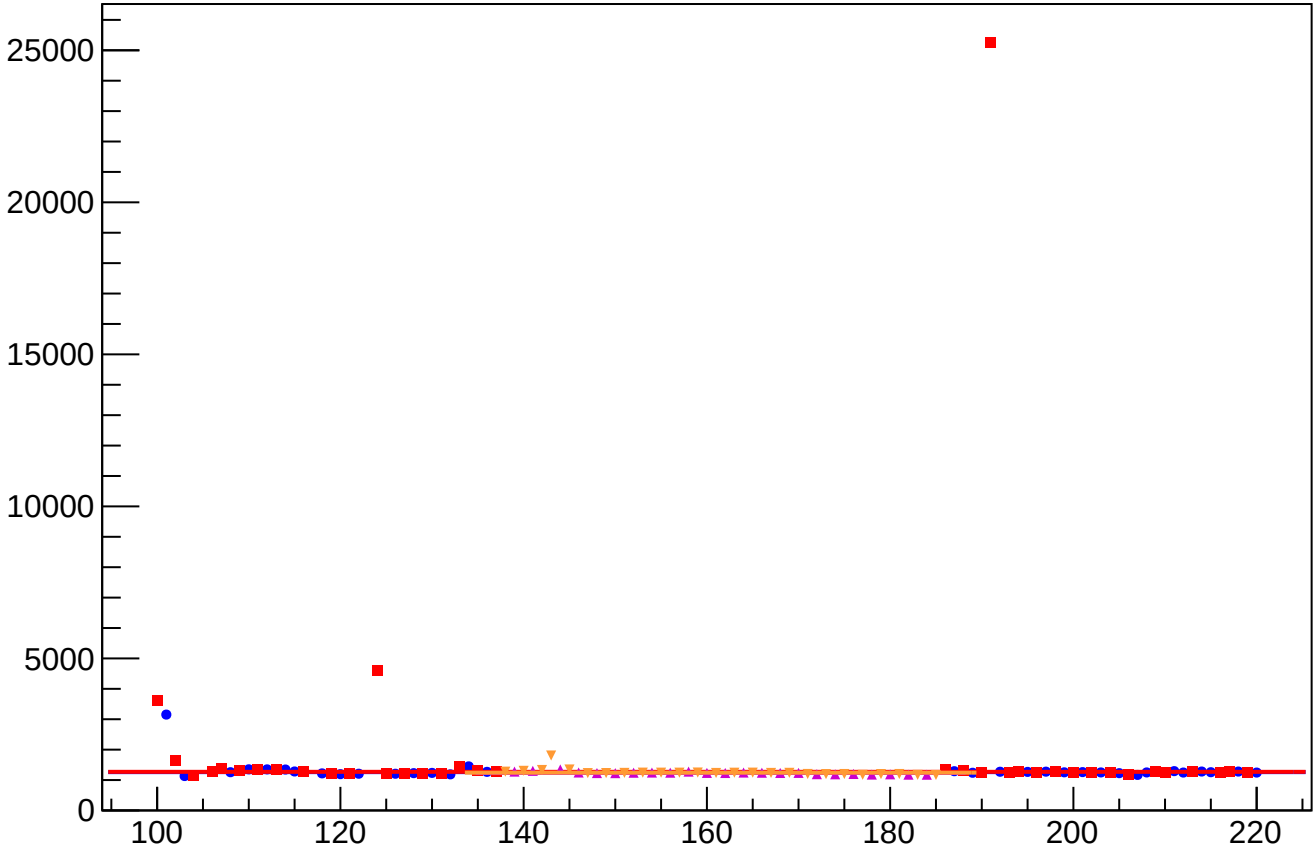
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 134.609+/-197.765 χ^2/NDF: 56.6/57

All: 236.165+/-140.626 χ^2/NDF: 103.0/117

- sign 340.033+/-200.004 χ^2/NDF: 45.9/59

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1260.165+/-0.195 χ^2/NDF: 536295.8/32

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

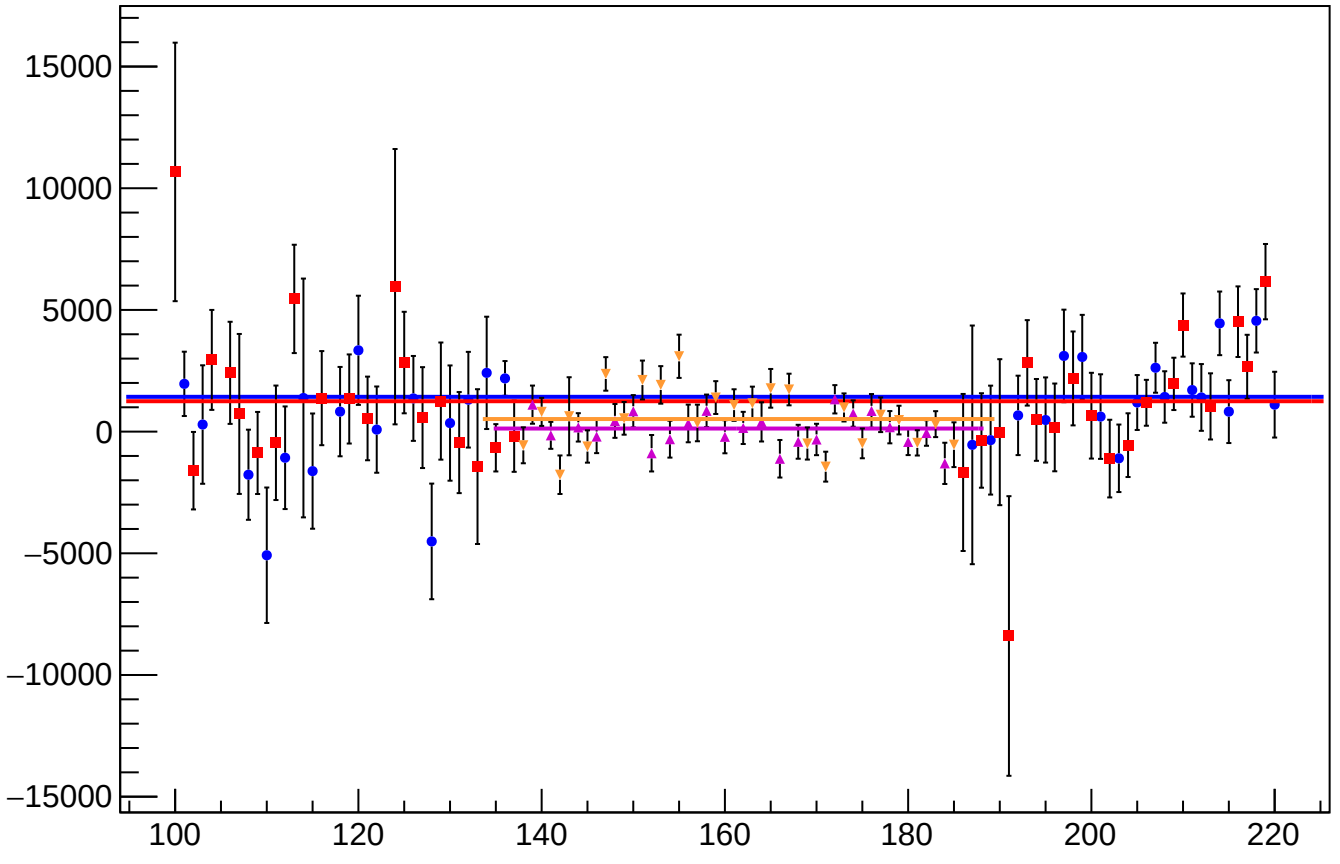
Right Out: 1270.293+/-0.196 χ^2/NDF: 494791.8/36

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.700+/-0.140 χ^2/NDF: 743436.8/57

All: 1252.193+/-0.099 χ^2/NDF: 1294202.6/11

- sign 1252.697+/-0.141 χ^2/NDF: 550740.7/59



Right In: 1429.719+/-265.004 χ^2/NDF: 40.5/32

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

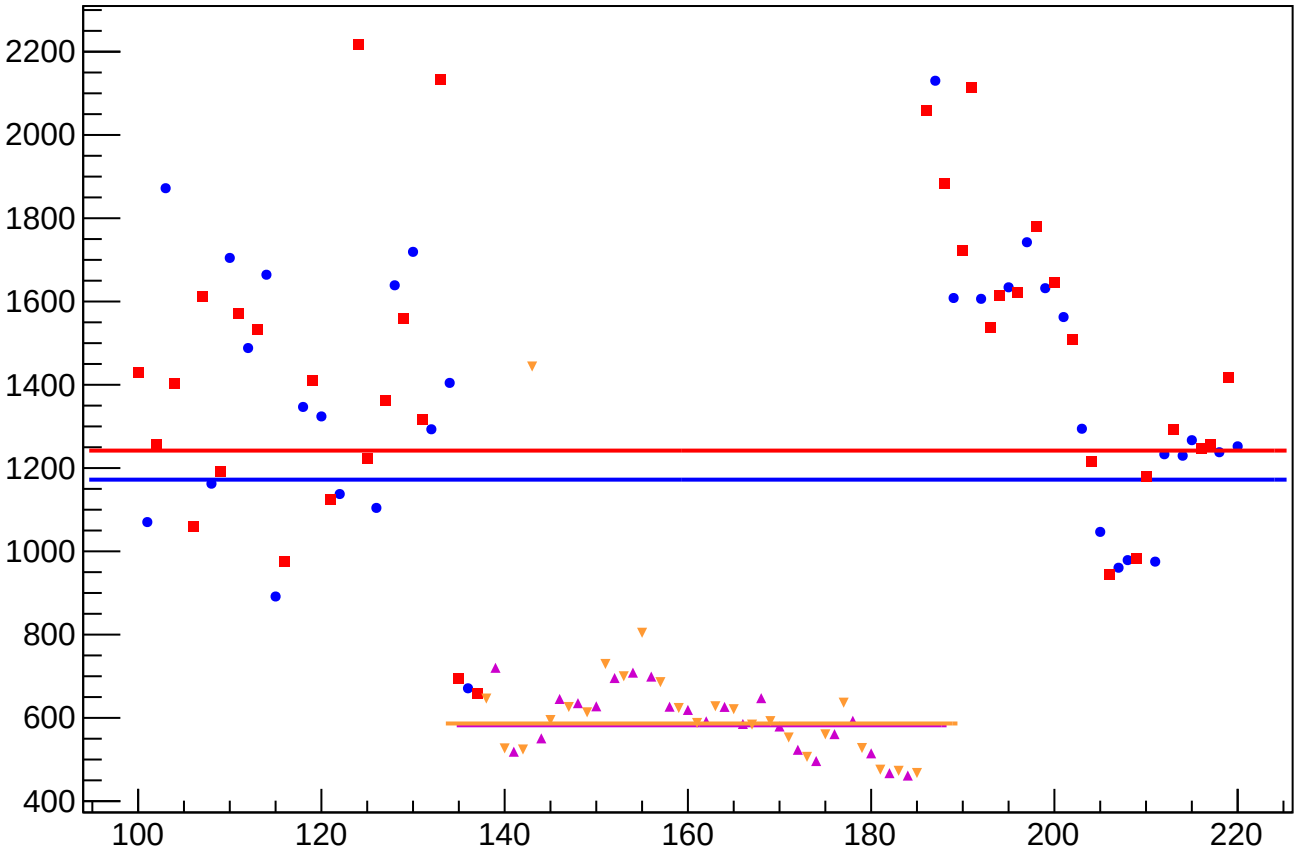
Right Out: 1248.860+/-279.510 χ^2/NDF: 53.7/36

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

+ sign 706.564+/-120.818 χ^2/NDF: 116.9/57

All: 529.142+/-86.265 χ^2/NDF: 209.6/117

- sign 344.626+/-123.210 χ^2/NDF: 88.3/59



Right In: 1172.169+/-0.187 χ^2/NDF: 2717592.7/32

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1241.960+/-0.198 χ^2/NDF: 2762096.2/36

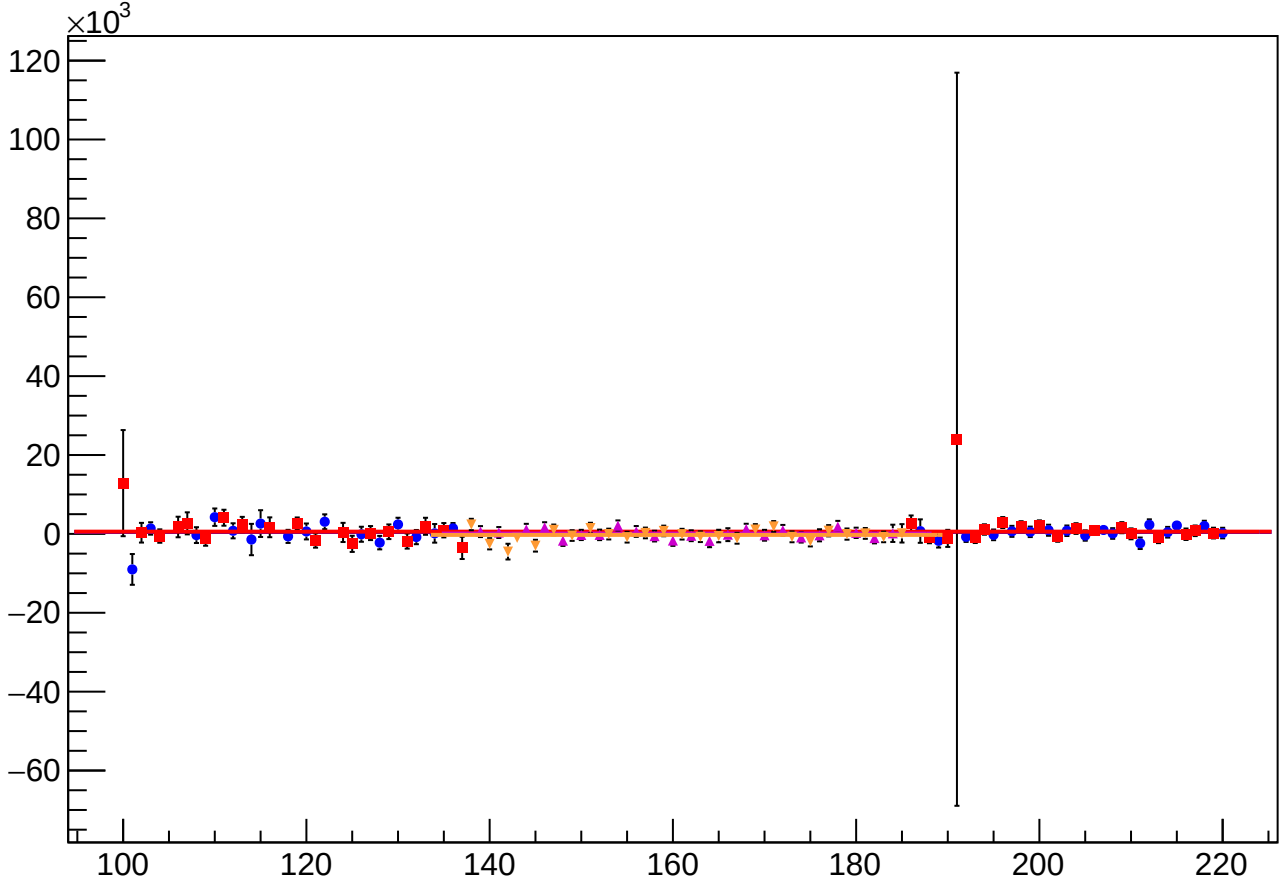
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 708.283+/-0.085 χ^2/NDF: 11656884.8/57

All: 709.316+/-0.061 χ^2/NDF: 23956741.0/11

- sign 710.389+/-0.087 χ^2/NDF: 12299558.3/59

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 478.364+/-277.186 χ^2/NDF: 29.5/32

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 567.132+/-277.217 χ^2/NDF: 29.3/36

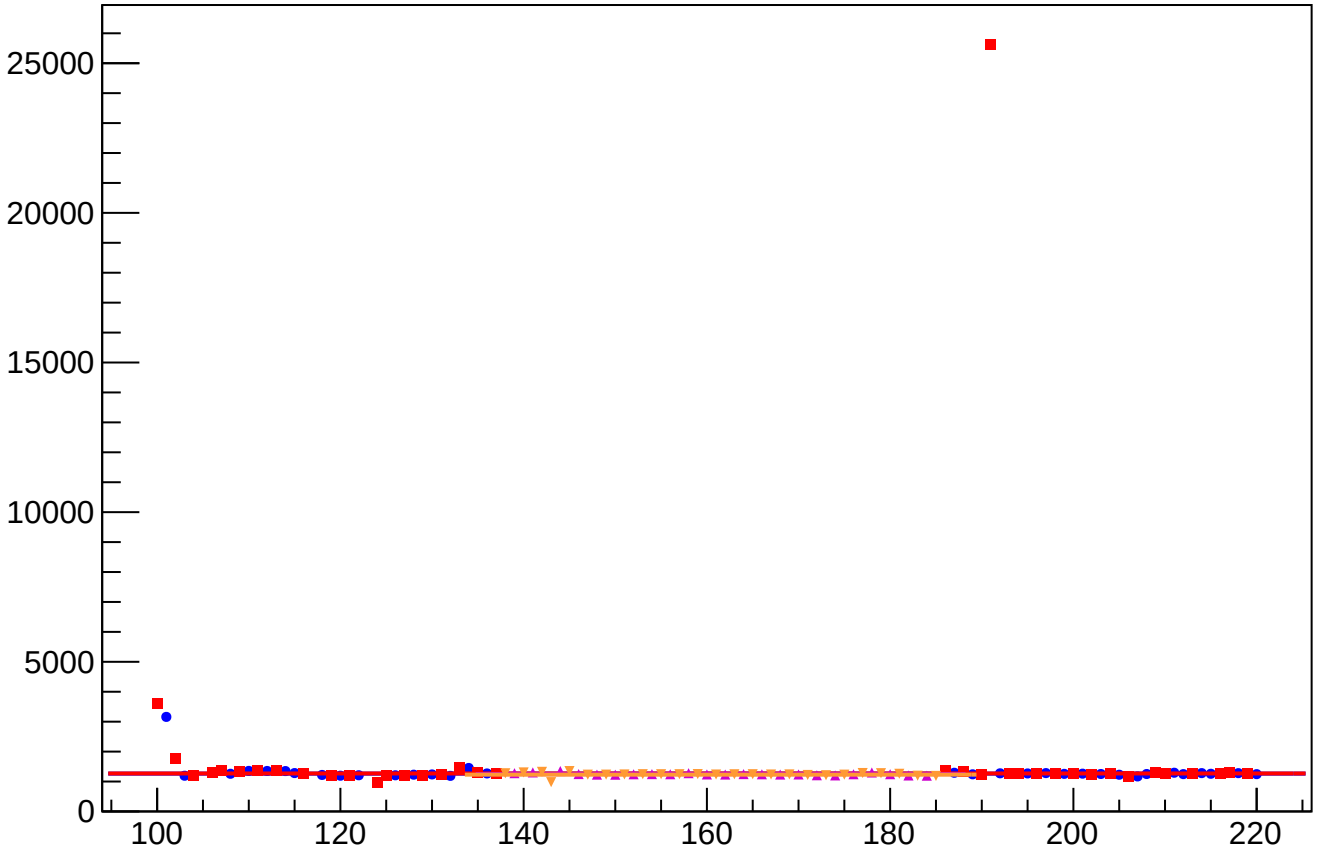
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 117.340+/-196.961 χ^2/NDF: 57.0/57

All: 223.212+/-140.633 χ^2/NDF: 102.4/117

- sign 333.326+/-200.868 χ^2/NDF: 44.8/59

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1263.760+/-0.196 χ^2/NDF: 526092.4/32

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

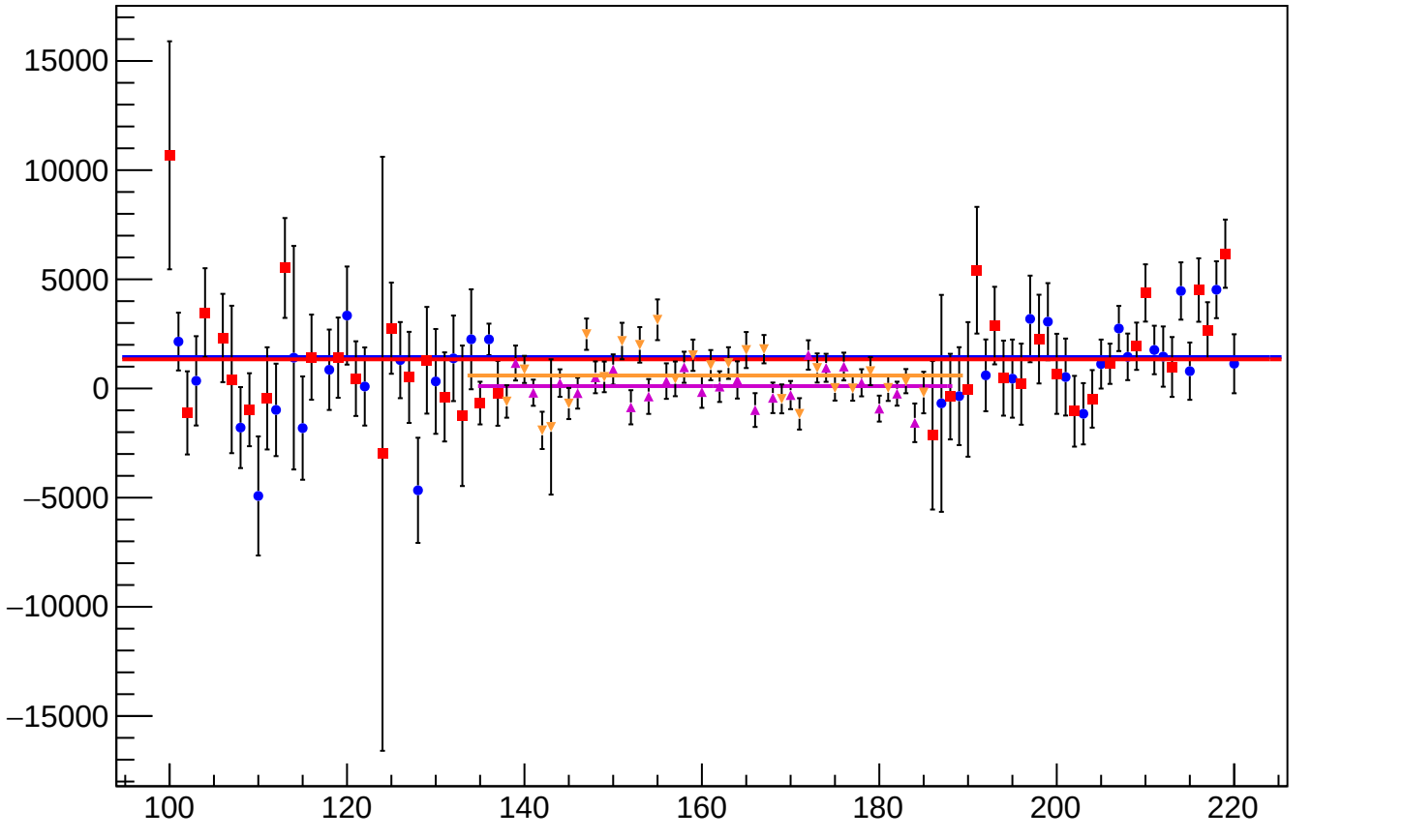
Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.7/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1247.039+/-0.139 χ^2/NDF: 682400.7/57

All: 1252.898+/-0.099 χ^2/NDF: 1104963.3/11

- sign 1258.991+/-0.142 χ^2/NDF: 418953.0/59



Right In: 1438.640+/-266.320 χ^2/NDF: 41.3/32

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

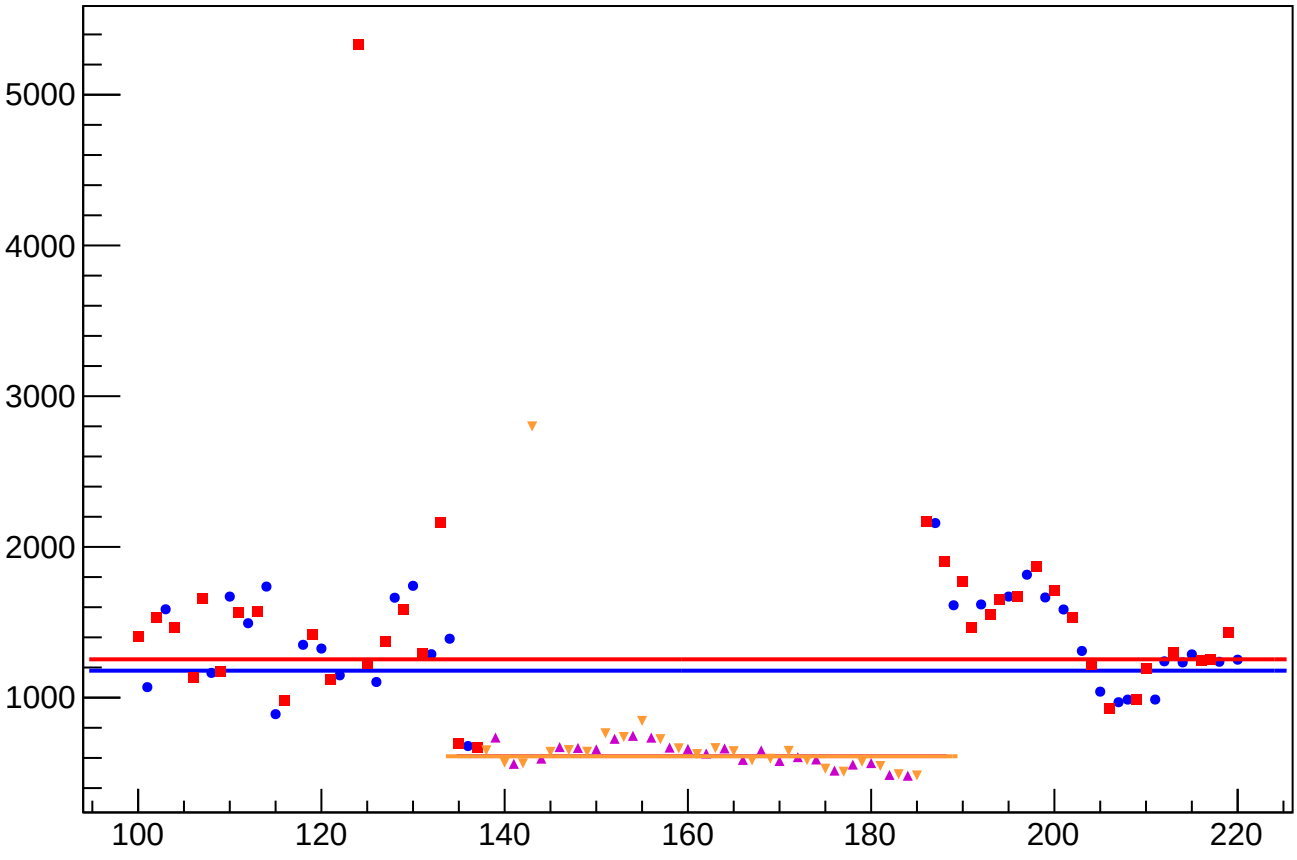
Right Out: 1336.522+/-281.612 χ^2/NDF: 50.7/36

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 782.018+/-125.391 χ^2/NDF: 106.5/57

All: 578.449+/-89.701 χ^2/NDF: 203.3/117

- sign 365.077+/-128.374 χ^2/NDF: 91.4/59



Right In: 1178.964+/-0.188 χ^2/NDF: 2656796.5/32

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1254.351+/-0.199 χ^2/NDF: 3056764.1/36

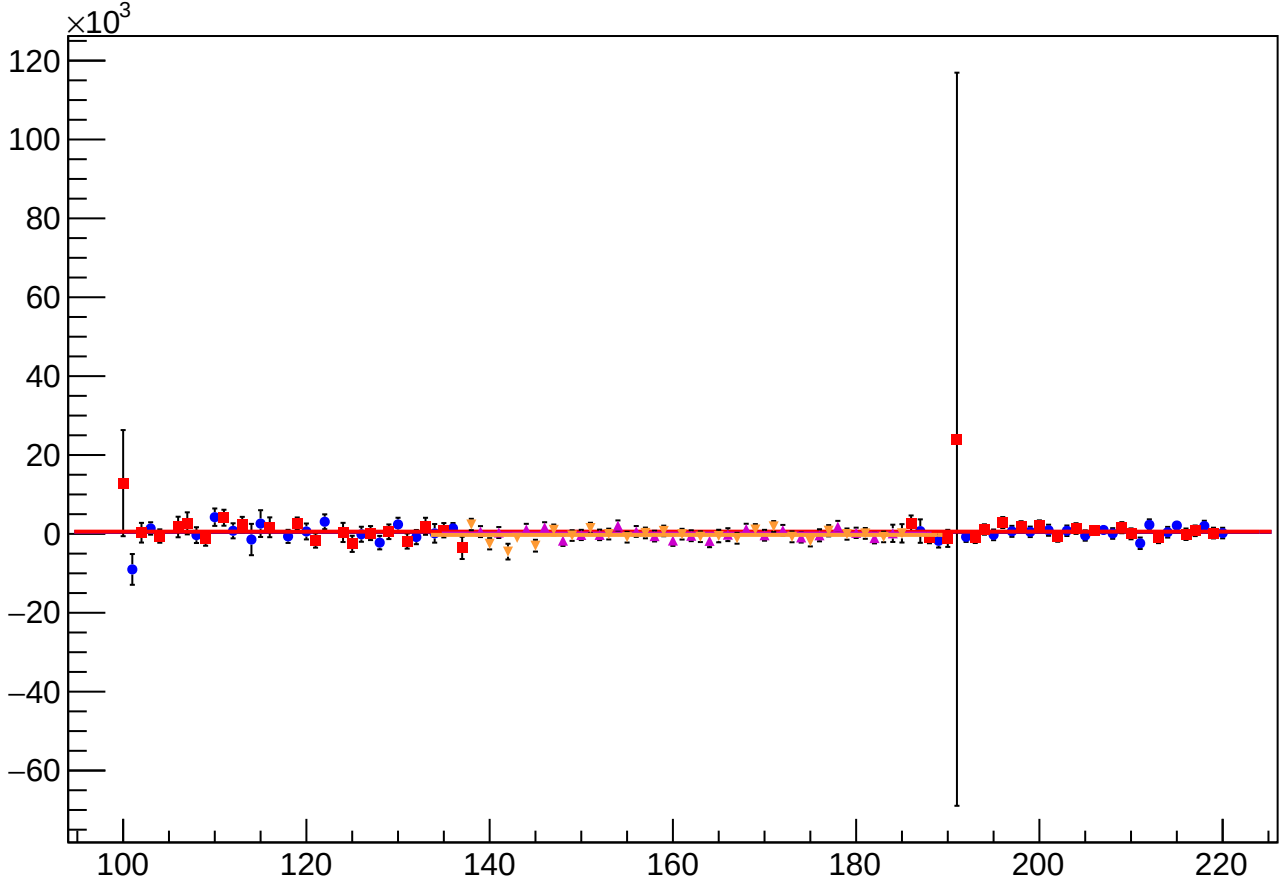
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 736.974+/-0.089 χ^2/NDF: 11353791.3/57

All: 741.283+/-0.063 χ^2/NDF: 23157144.2/11

- sign 745.800+/-0.091 χ^2/NDF: 11798514.6/59

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 478.360+/-277.186 χ^2/NDF: 29.5/32

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 567.130+/-277.217 χ^2/NDF: 29.3/36

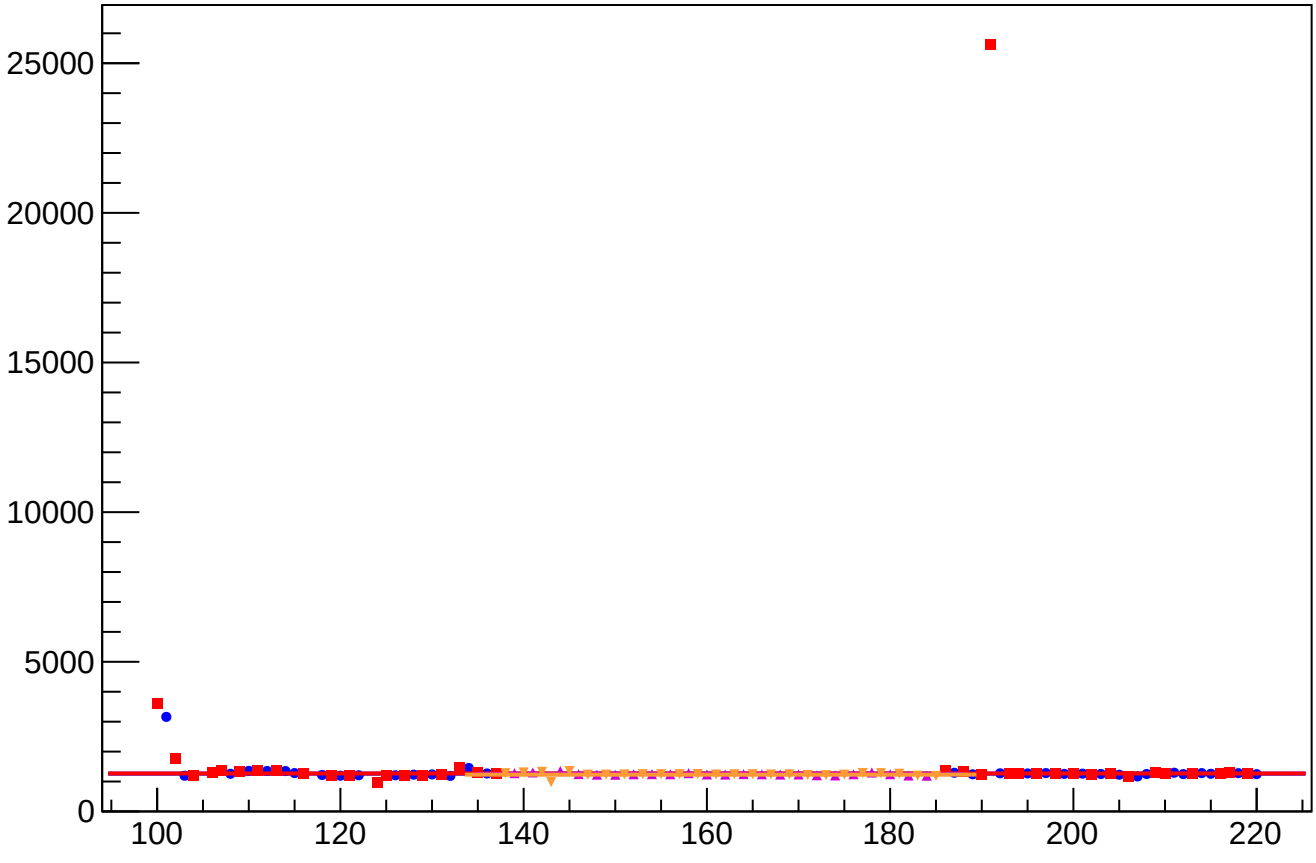
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign 117.337+/-196.960 χ^2/NDF: 57.0/57

All: 223.210+/-140.633 χ^2/NDF: 102.4/117

- sign 333.325+/-200.868 χ^2/NDF: 44.8/59

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1263.760+/-0.196 χ^2/NDF: 526092.5/32

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

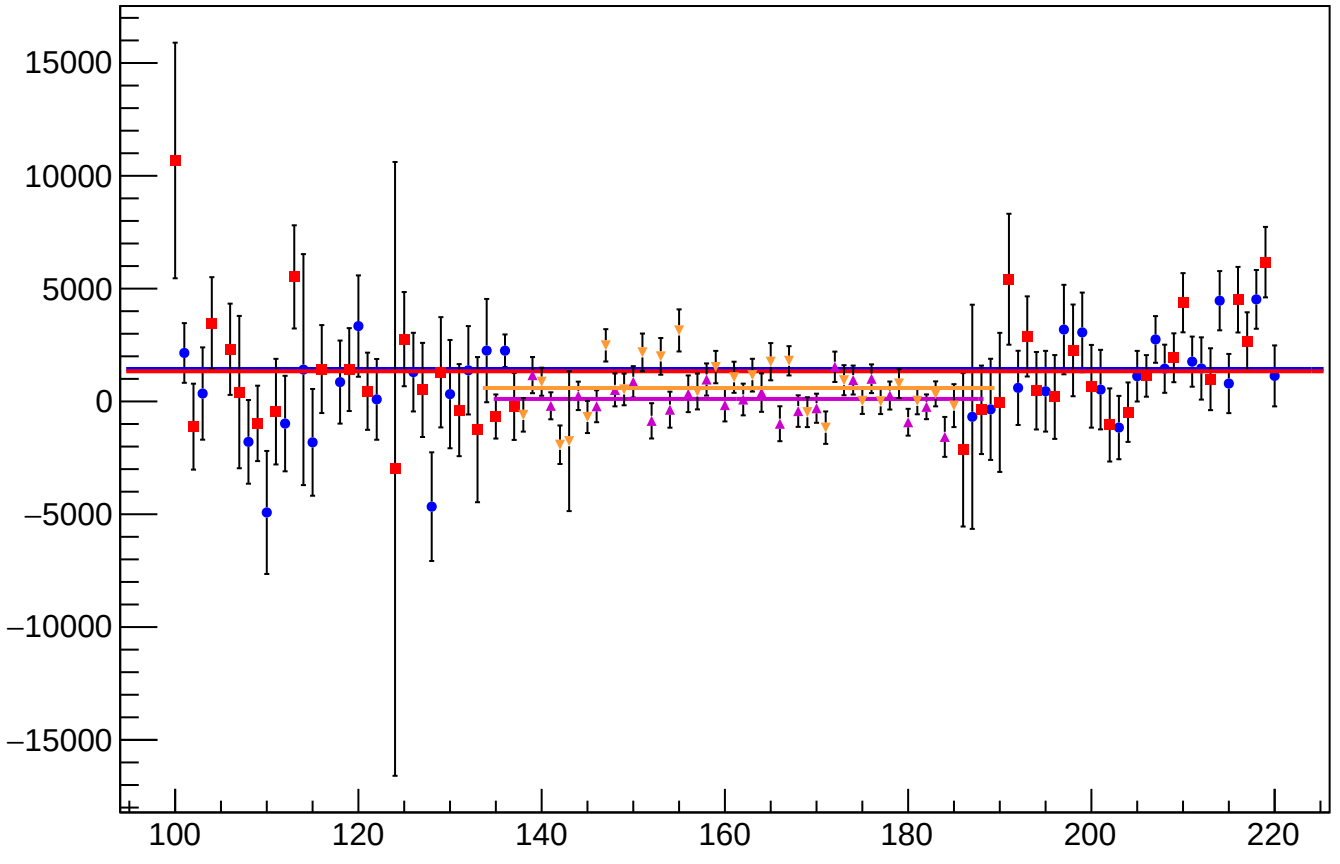
Right Out: 1269.128+/-0.196 χ^2/NDF: 385981.5/36

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1247.039+/-0.139 χ^2/NDF: 682399.9/57

All: 1252.897+/-0.099 χ^2/NDF: 1104962.2/11

- sign 1258.990+/-0.142 χ^2/NDF: 418952.8/59



Right In: 1438.640+/-266.319 χ^2/NDF: 41.3/32

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

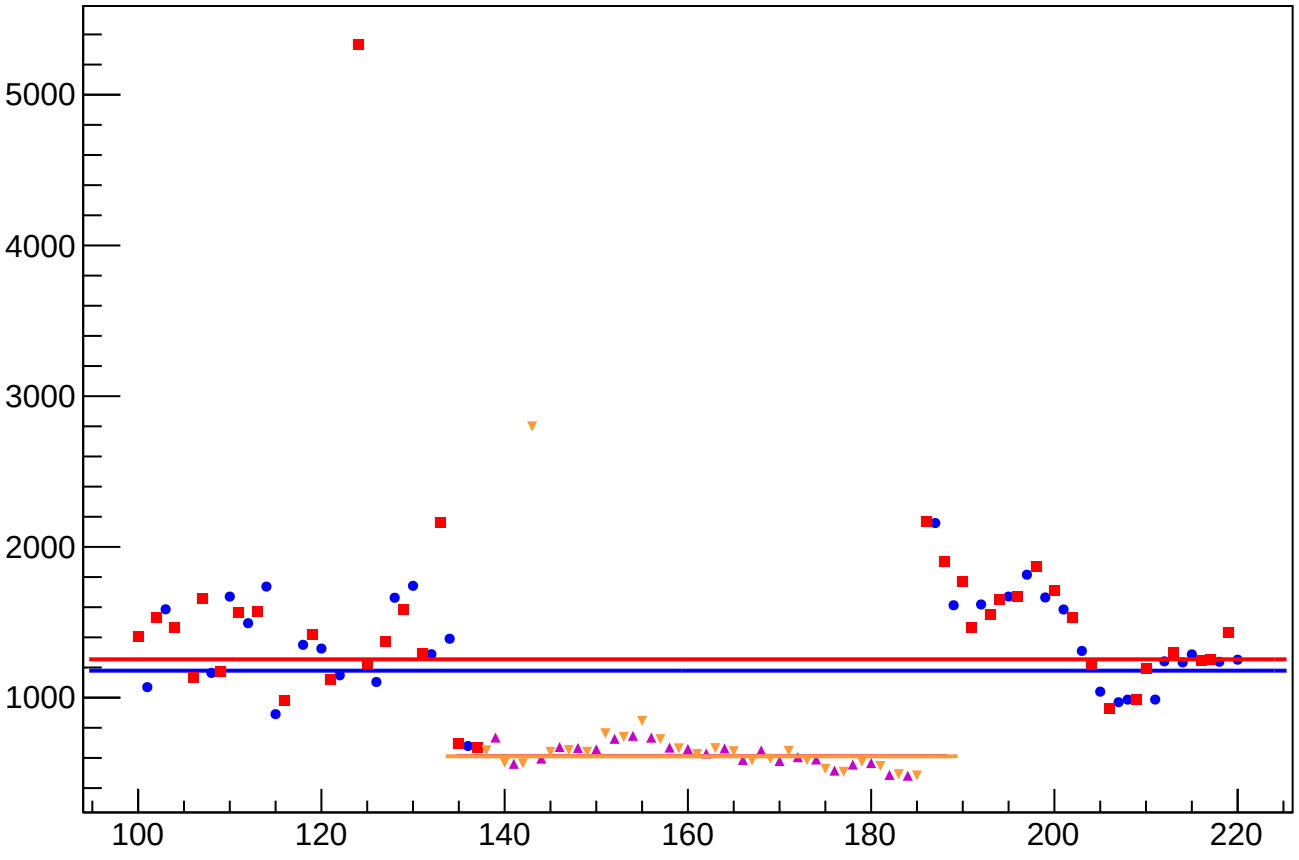
Right Out: 1336.524+/-281.612 χ^2/NDF: 50.7/36

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 782.018+/-125.391 χ^2/NDF: 106.5/57

All: 578.448+/-89.701 χ^2/NDF: 203.3/117

- sign 365.076+/-128.374 χ^2/NDF: 91.4/59



Right In: 1178.964+/-0.188 χ^2/NDF: 2656732.8/32

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1254.353+/-0.199 χ^2/NDF: 3056703.2/36

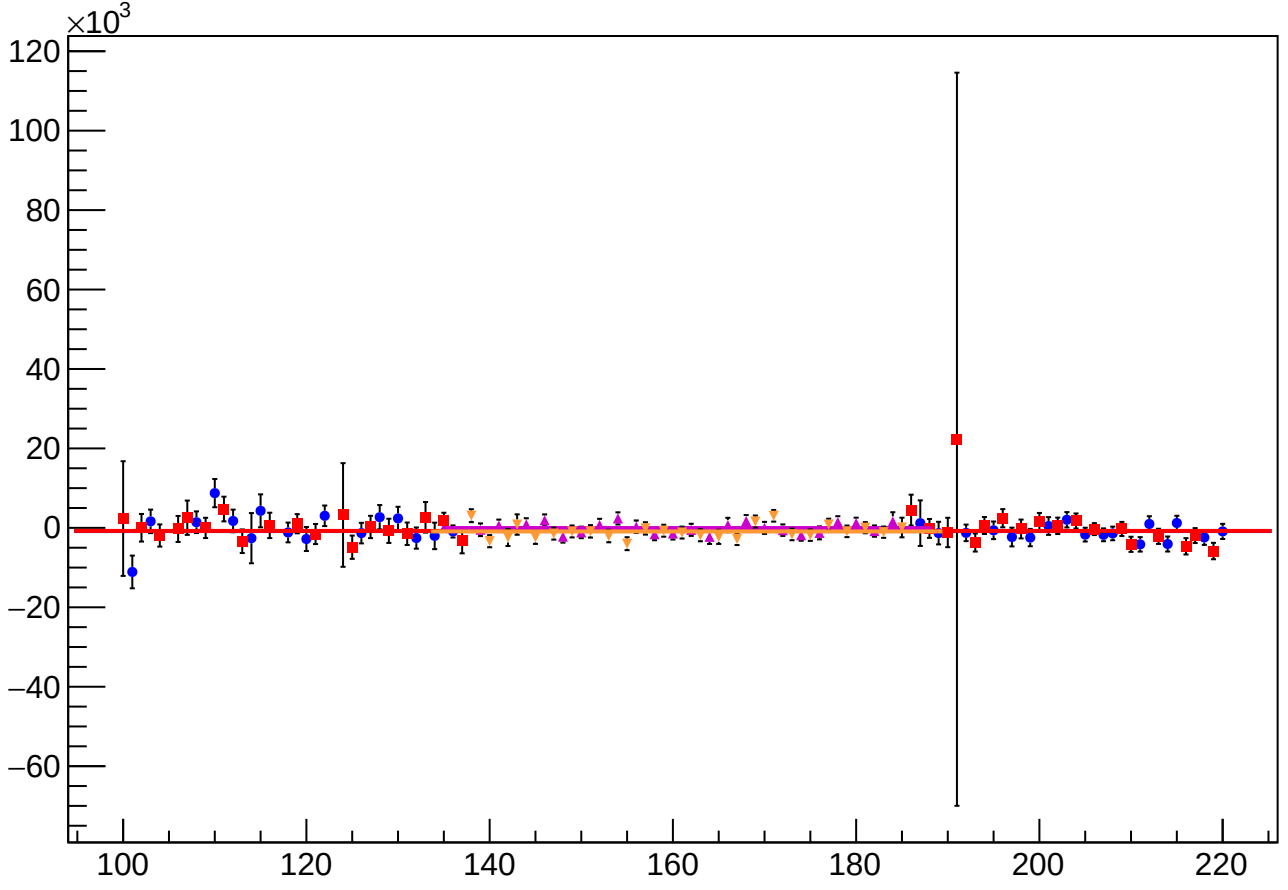
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 736.973+/-0.089 χ^2/NDF: 11353741.6/57

All: 741.283+/-0.063 χ^2/NDF: 23157103.5/11

- sign 745.799+/-0.091 χ^2/NDF: 11798524.0/59

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -806.245+/-400.049 χ^2/NDF: 36.5/32

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: -771.194+/-411.095 χ^2/NDF: 33.8/36

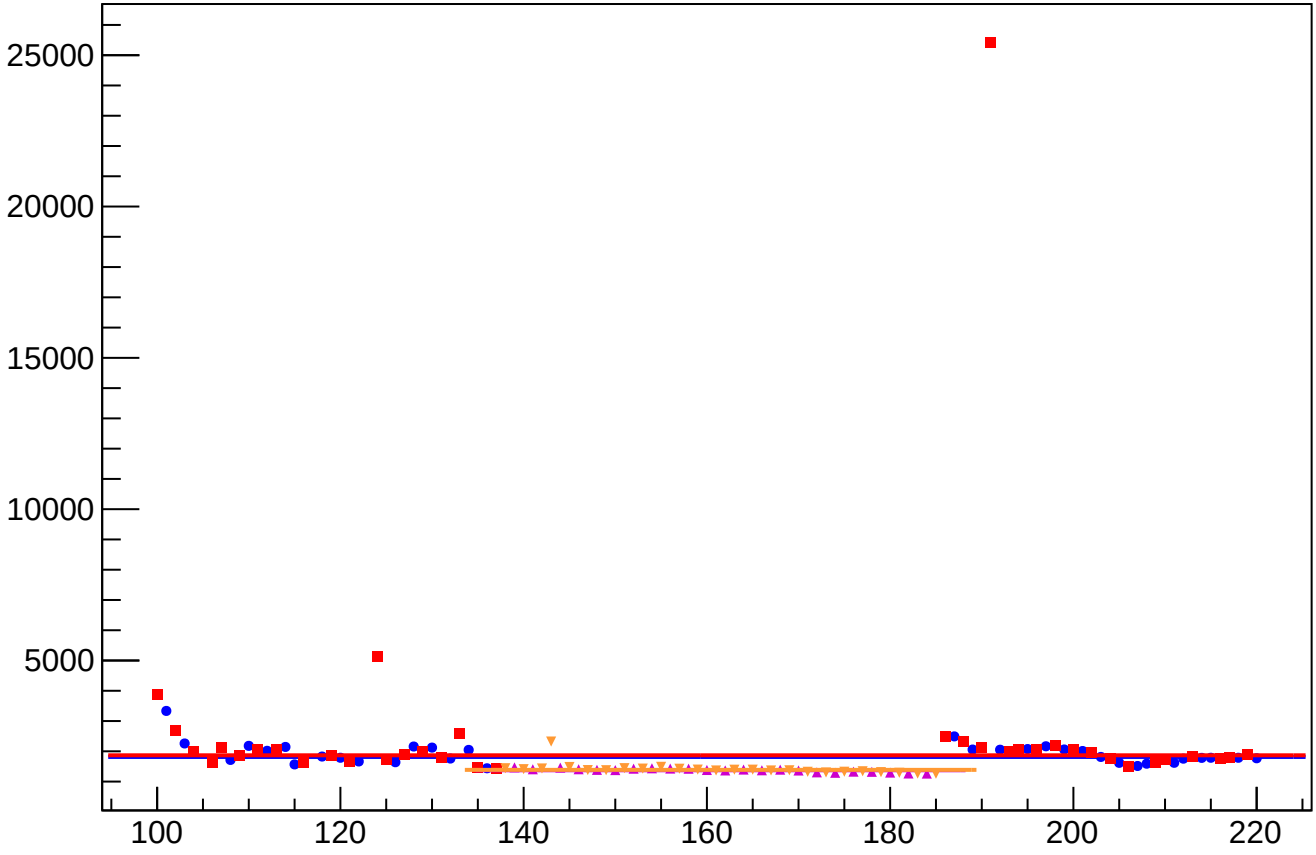
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -863.850+/-248.188 χ^2/NDF: 66.4/57

All: -598.076+/-177.162 χ^2/NDF: 122.4/117

- sign -321.960+/-252.971 χ^2/NDF: 53.6/59

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1813.990+/-0.283 χ^2/NDF: 895229.7/32

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

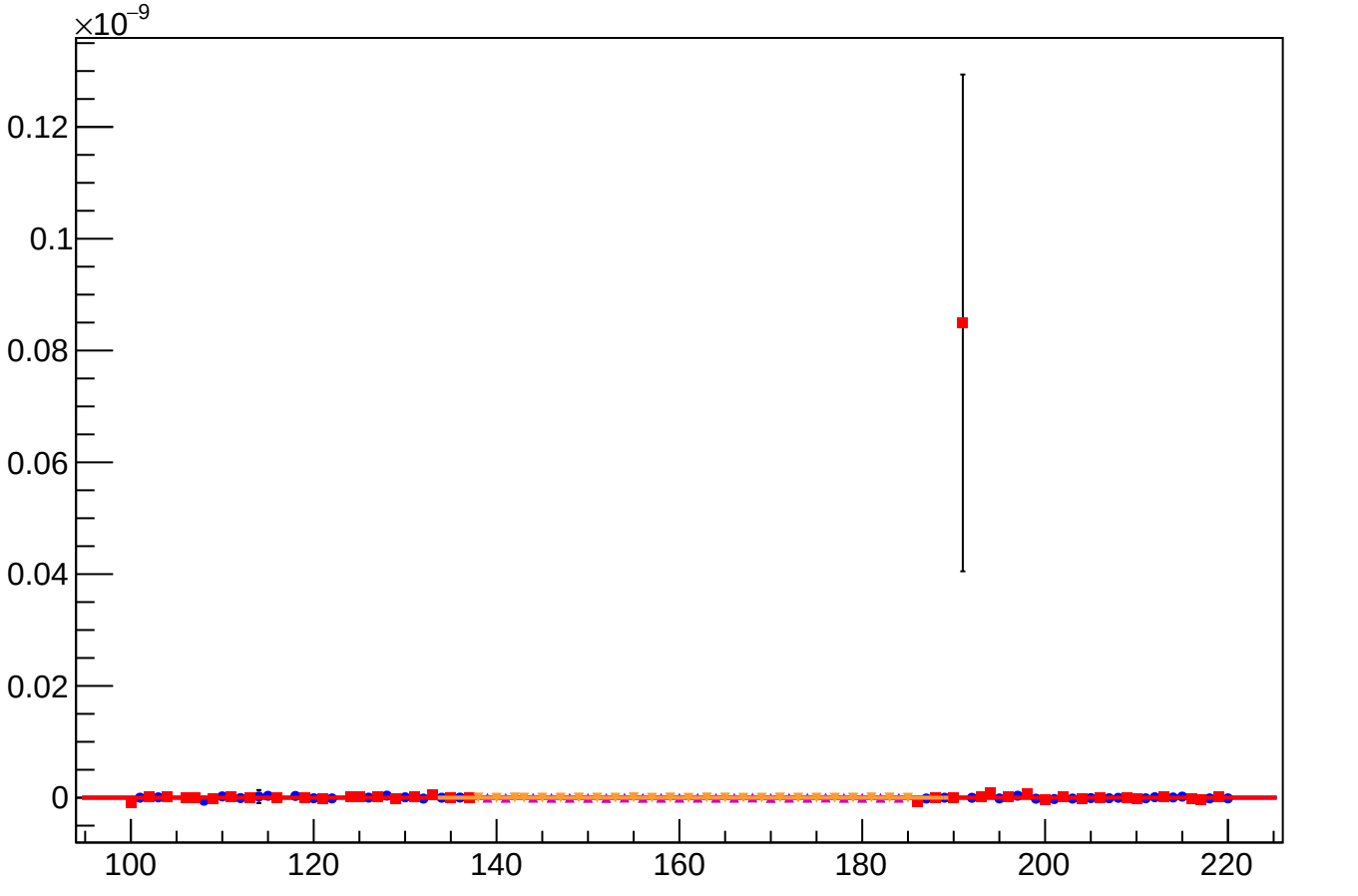
Right Out: 1868.082+/-0.291 χ^2/NDF: 1060084.3/36

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1551.248+/-0.175 χ^2/NDF: 2637542.7/57

All: 1555.838+/-0.125 χ^2/NDF: 5564208.8/11

- sign 1560.607+/-0.179 χ^2/NDF: 2925271.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

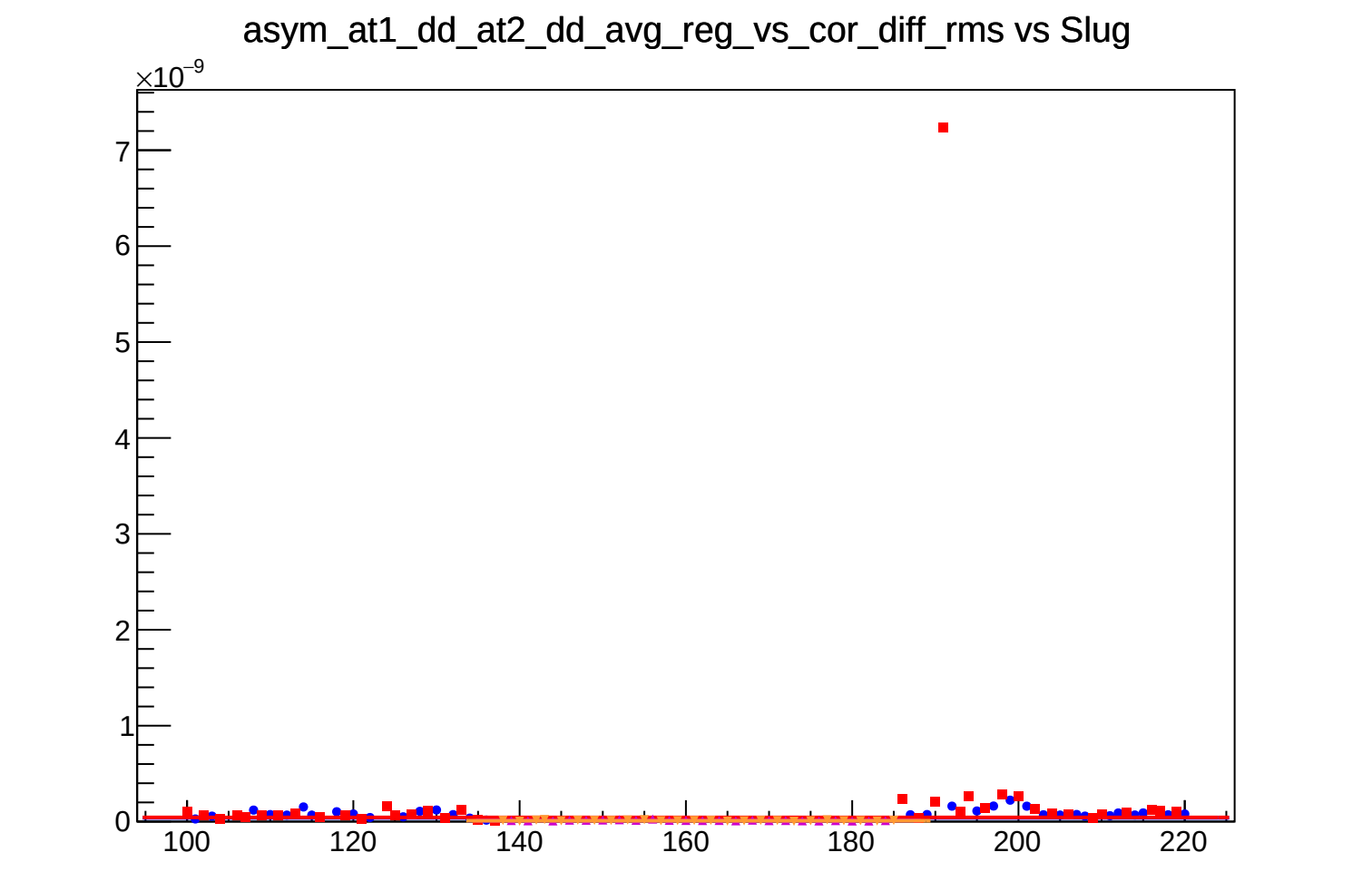
Right Out: 0.000+/-0.000 χ^2/NDF: 58.3/36

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.9/57

All: 0.000+/-0.000 χ^2/NDF: 126.7/117

- sign -0.000+/-0.000 χ^2/NDF: 72.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 7339683.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

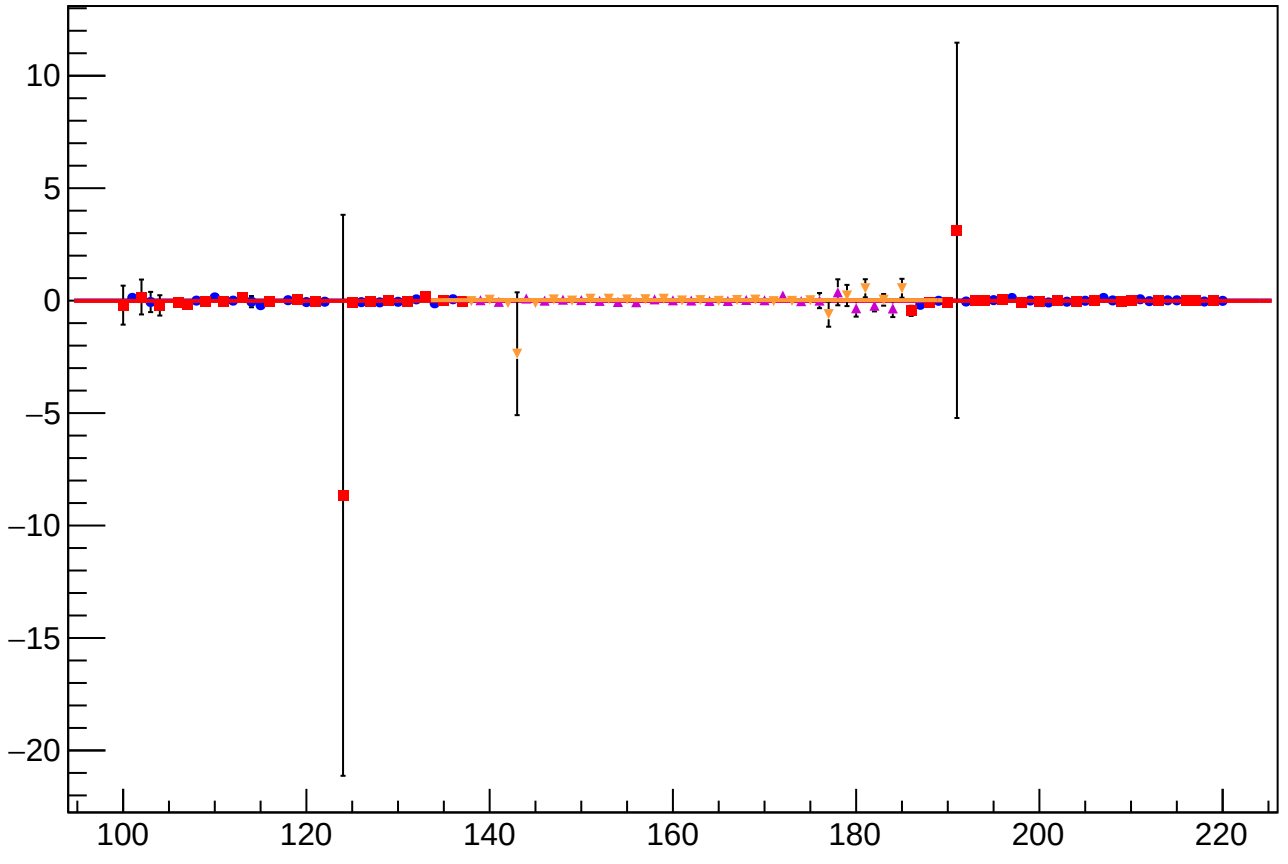
Right Out: 0.000+/-0.000 χ^2/NDF: 7896660.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15958542.0/57

All: 0.000+/-0.000 χ^2/NDF: 31293634.6/117

- sign 0.000+/-0.000 χ^2/NDF: 15062116.3/59



Right In: 0.005+/-0.008 χ^2/NDF: 48.5/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.011+/-0.008 χ^2/NDF: 24.5/36

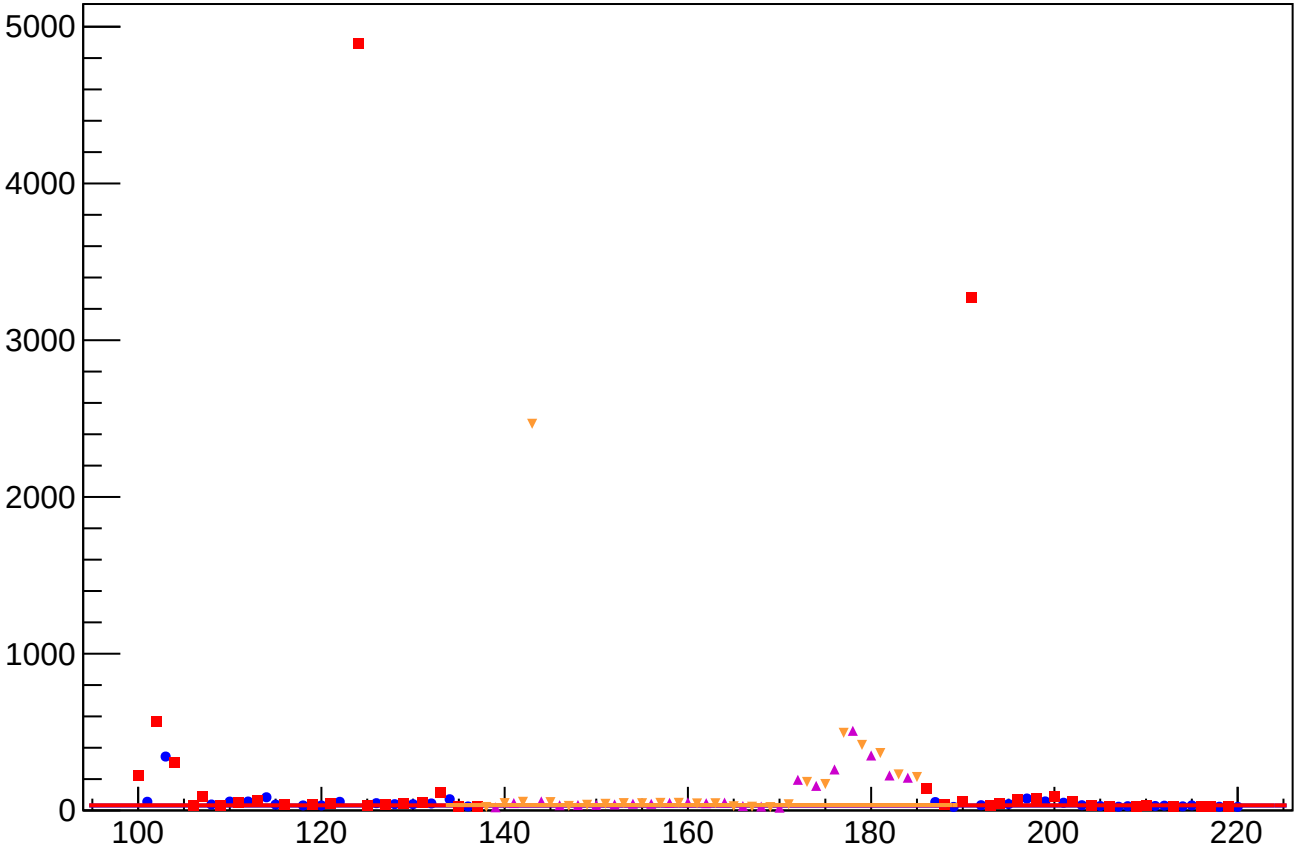
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.012+/-0.006 χ^2/NDF: 73.4/57

All: 0.005+/-0.004 χ^2/NDF: 117.7/117

- sign -0.002+/-0.006 χ^2/NDF: 41.8/59

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 31.239+/-0.006 χ^2/NDF: 4174419.1/32

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

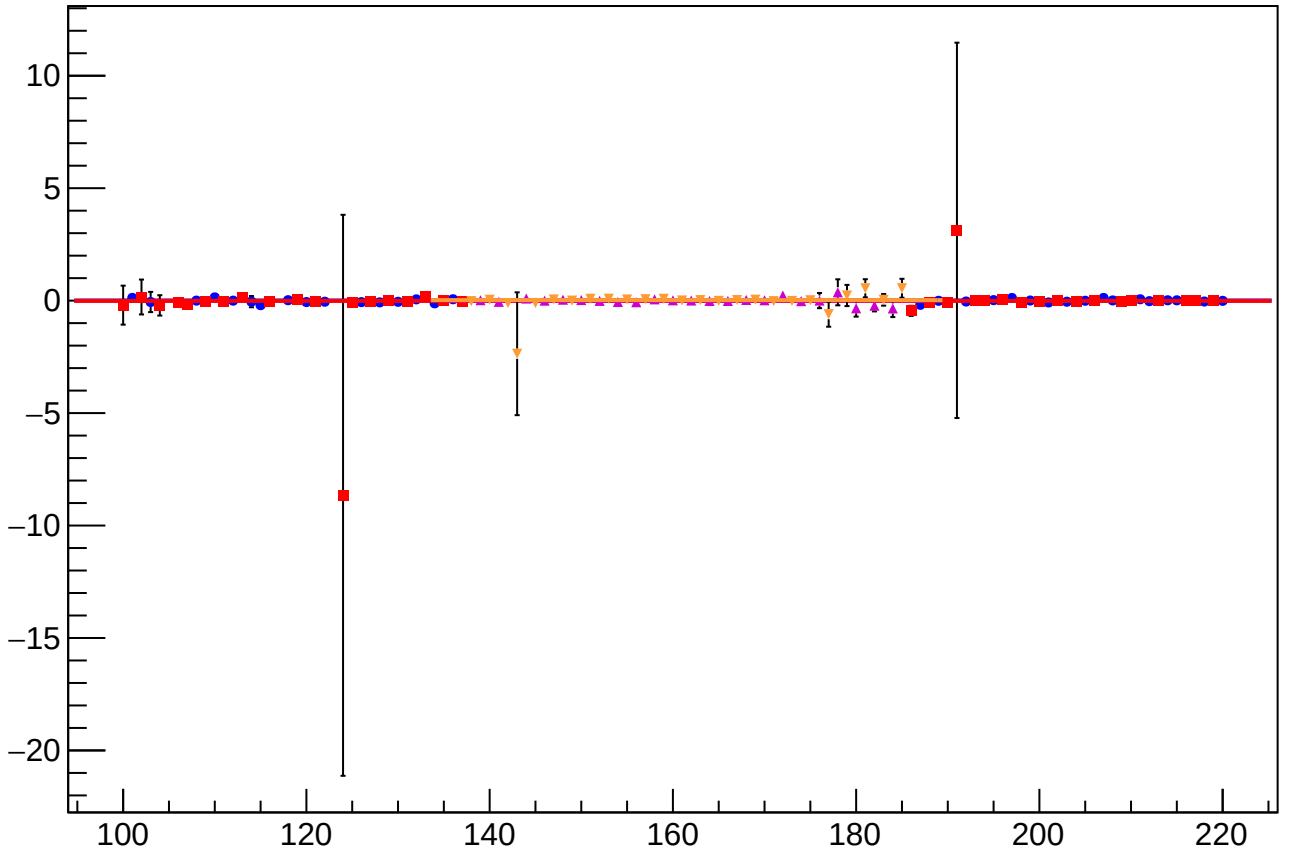
Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 32.496+/-0.004 χ^2/NDF: 15715152.7/57

All: 32.817+/-0.003 χ^2/NDF: 32662720.0/117

- sign 33.162+/-0.005 χ^2/NDF: 16936500.7/59



Right In: 0.005+/-0.008 χ^2/NDF: 48.5/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

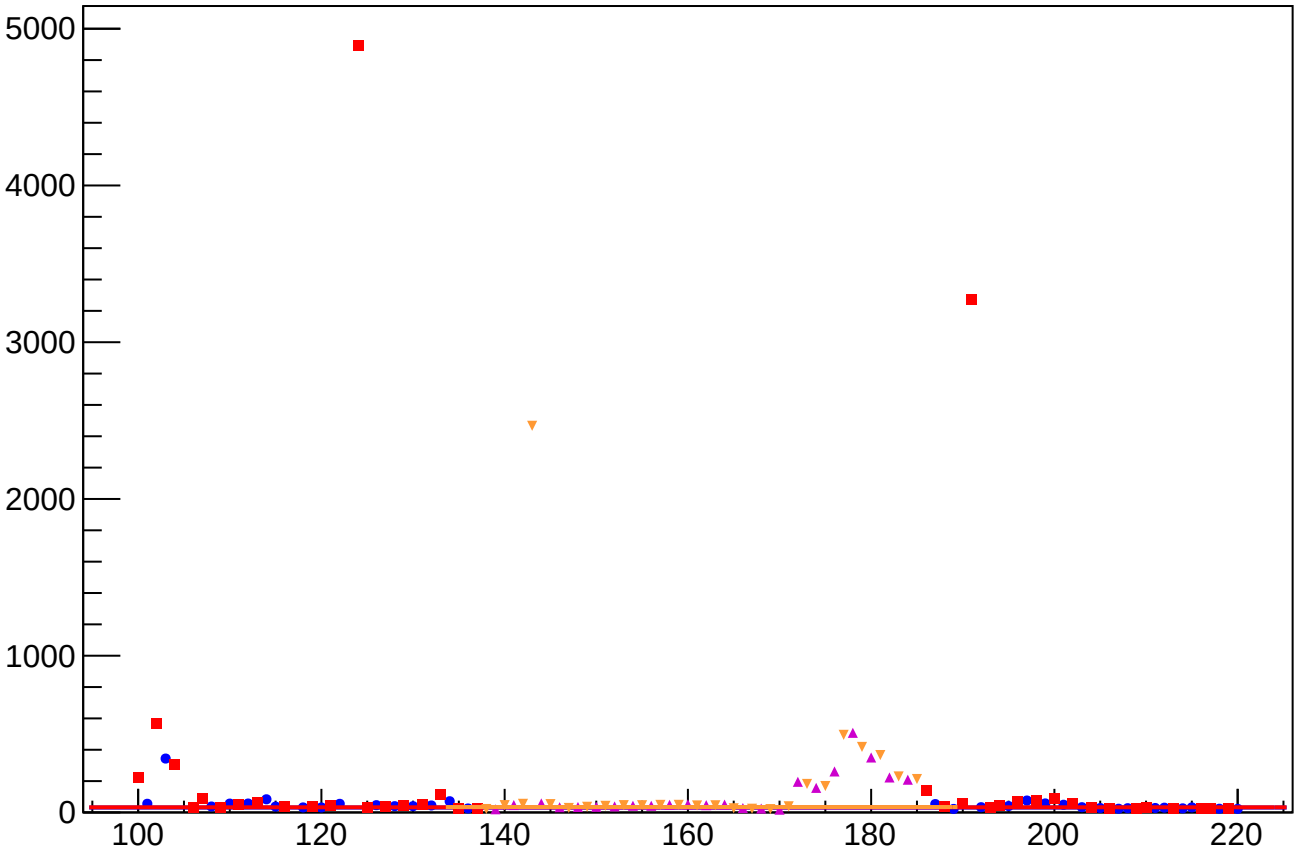
Right Out: -0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.012+/-0.006 χ^2/NDF: 73.4/57

All: 0.005+/-0.004 χ^2/NDF: 117.7/117

- sign -0.002+/-0.006 χ^2/NDF: 41.8/59



Right In: 31.239+/-0.006 χ^2/NDF: 4174419.1/32

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

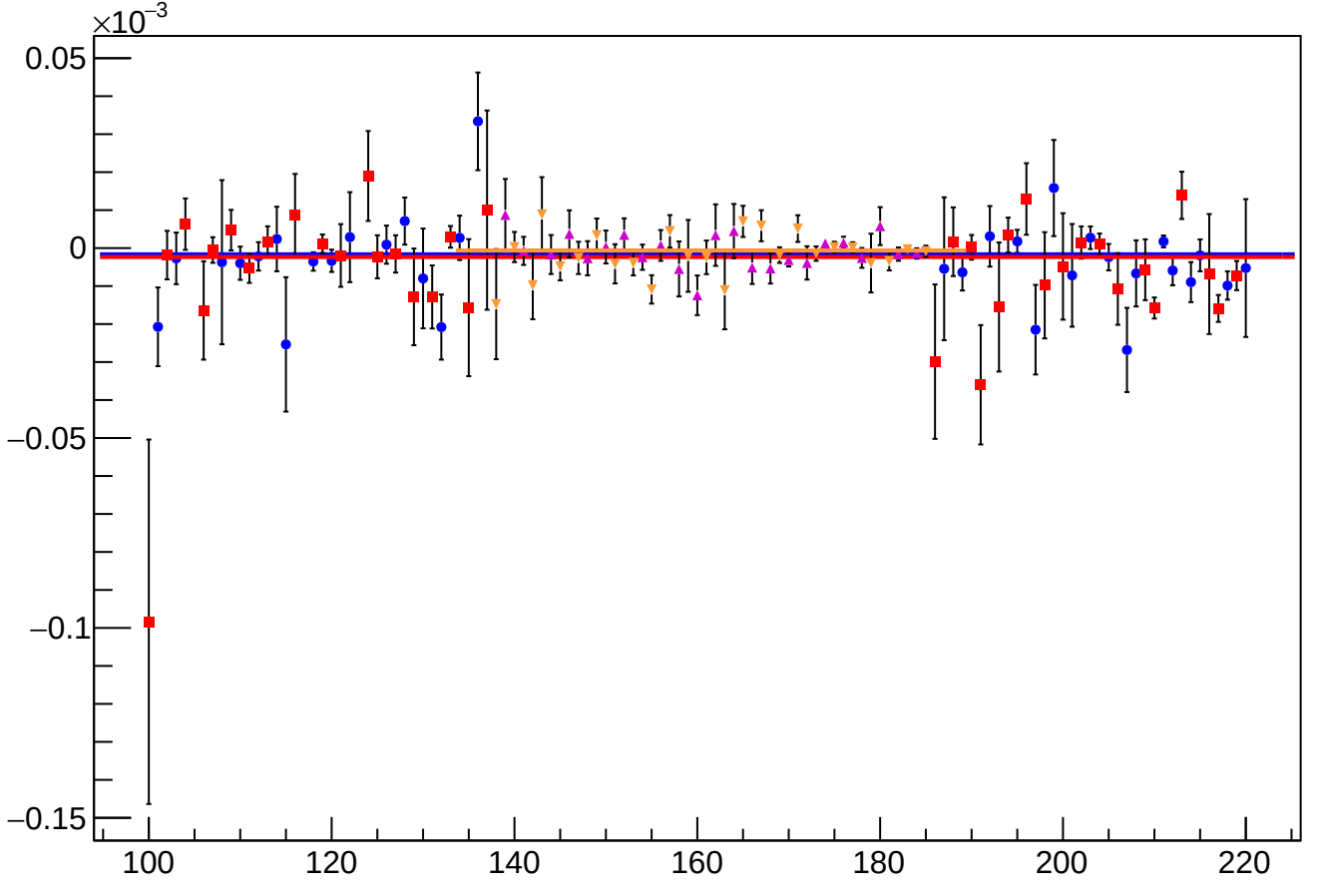
Right Out: 32.850+/-0.006 χ^2/NDF: 6862566.4/36

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 32.496+/-0.004 χ^2/NDF: 15715152.7/57

All: 32.817+/-0.003 χ^2/NDF: 32662720.0/117

- sign 33.162+/-0.005 χ^2/NDF: 16936500.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 50.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

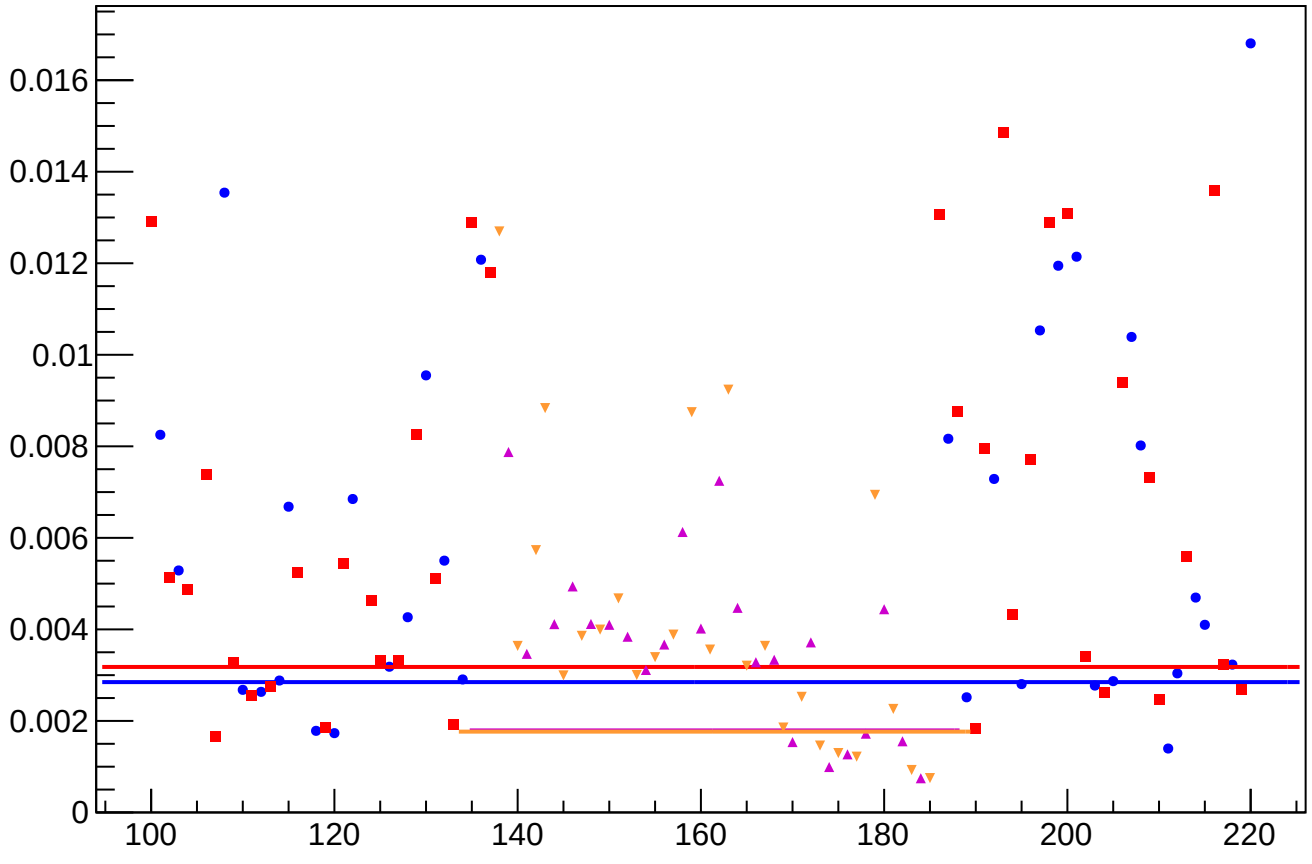
Right Out: -0.000+/-0.000 χ^2/NDF: 85.6/36

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.7/57

All: -0.000+/-0.000 χ^2/NDF: 190.2/117

- sign -0.000+/-0.000 χ^2/NDF: 110.4/59



Right In: 0.003+/-0.000 χ^2/NDF: 12735704.0/32

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

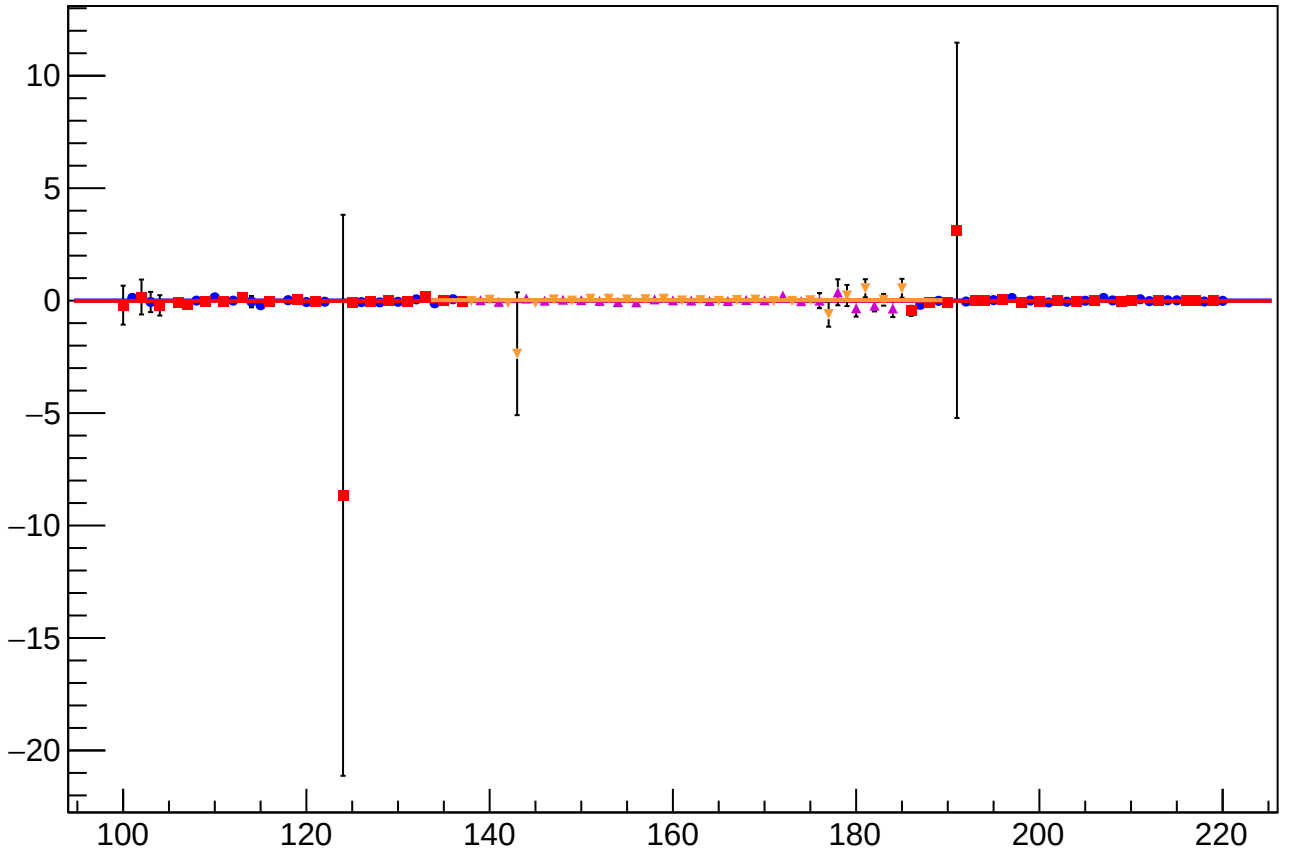
Right Out: 0.003+/-0.000 χ^2/NDF: 11631328.0/36

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 28333870.6/57

All: 0.002+/-0.000 χ^2/NDF: 54646556.8/117

- sign 0.002+/-0.000 χ^2/NDF: 26245327.7/59



Right In: 0.005+/-0.008 χ^2/NDF: 48.6/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

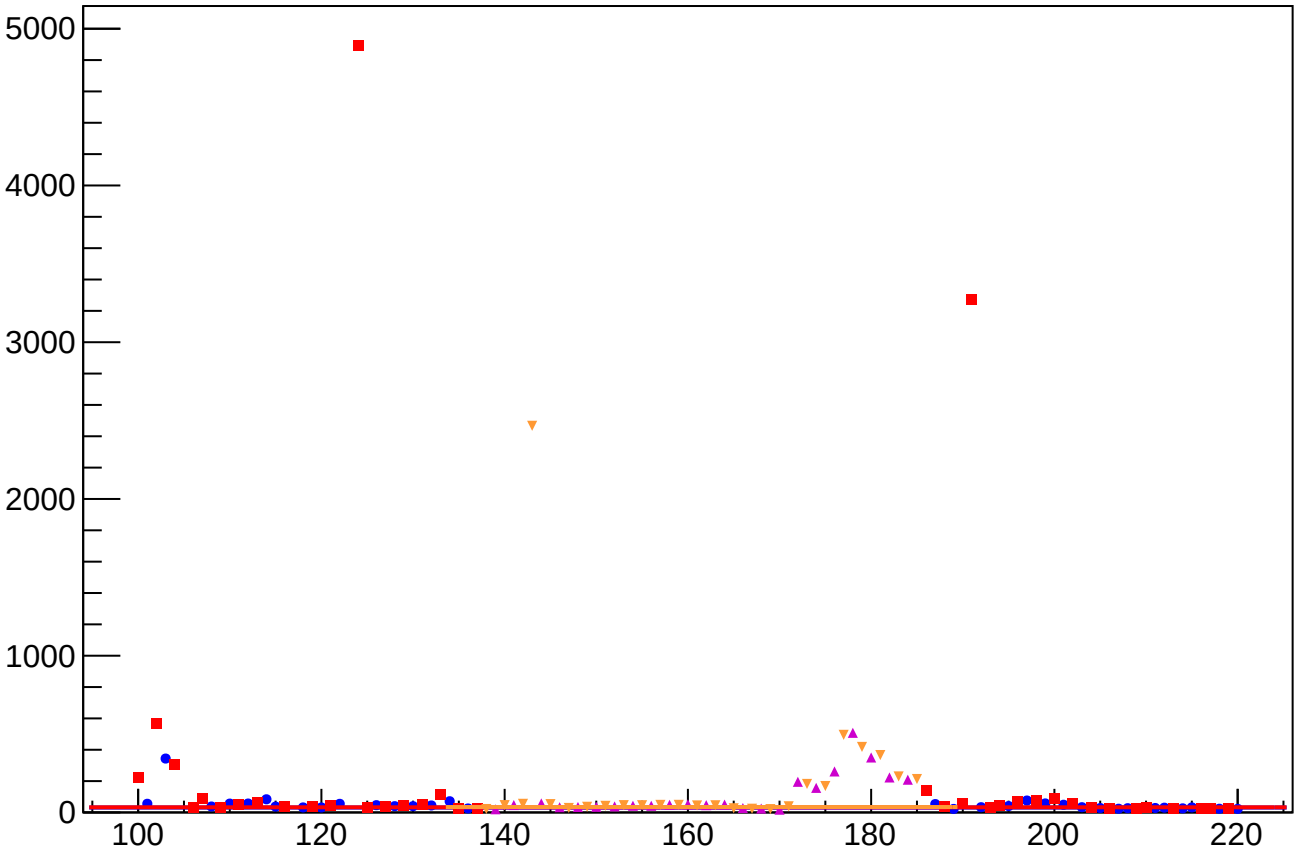
Right Out: -0.011+/-0.008 χ^2/NDF: 24.5/36

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.012+/-0.006 χ^2/NDF: 73.4/57

All: 0.005+/-0.004 χ^2/NDF: 117.7/117

- sign -0.002+/-0.006 χ^2/NDF: 41.8/59



Right In: 31.241+/-0.006 χ^2/NDF: 4173311.4/32

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

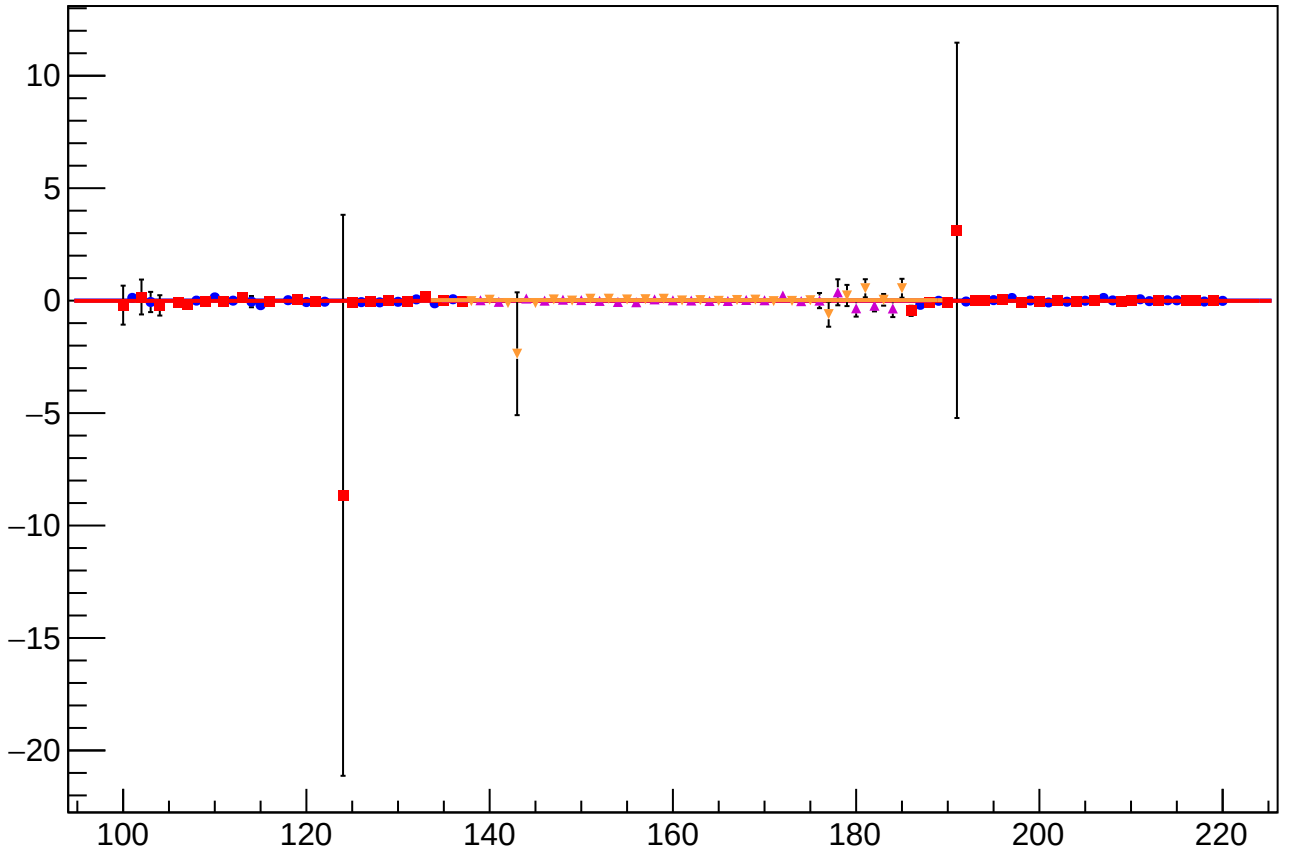
Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 32.497+/-0.004 χ^2/NDF: 15713905.7/57

All: 32.818+/-0.003 χ^2/NDF: 32660175.2/117

- sign 33.163+/-0.005 χ^2/NDF: 16935201.8/59



Right In: 0.005+/-0.008 χ^2/NDF: 48.6/32

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.011+/-0.008 χ^2/NDF: 24.5/36

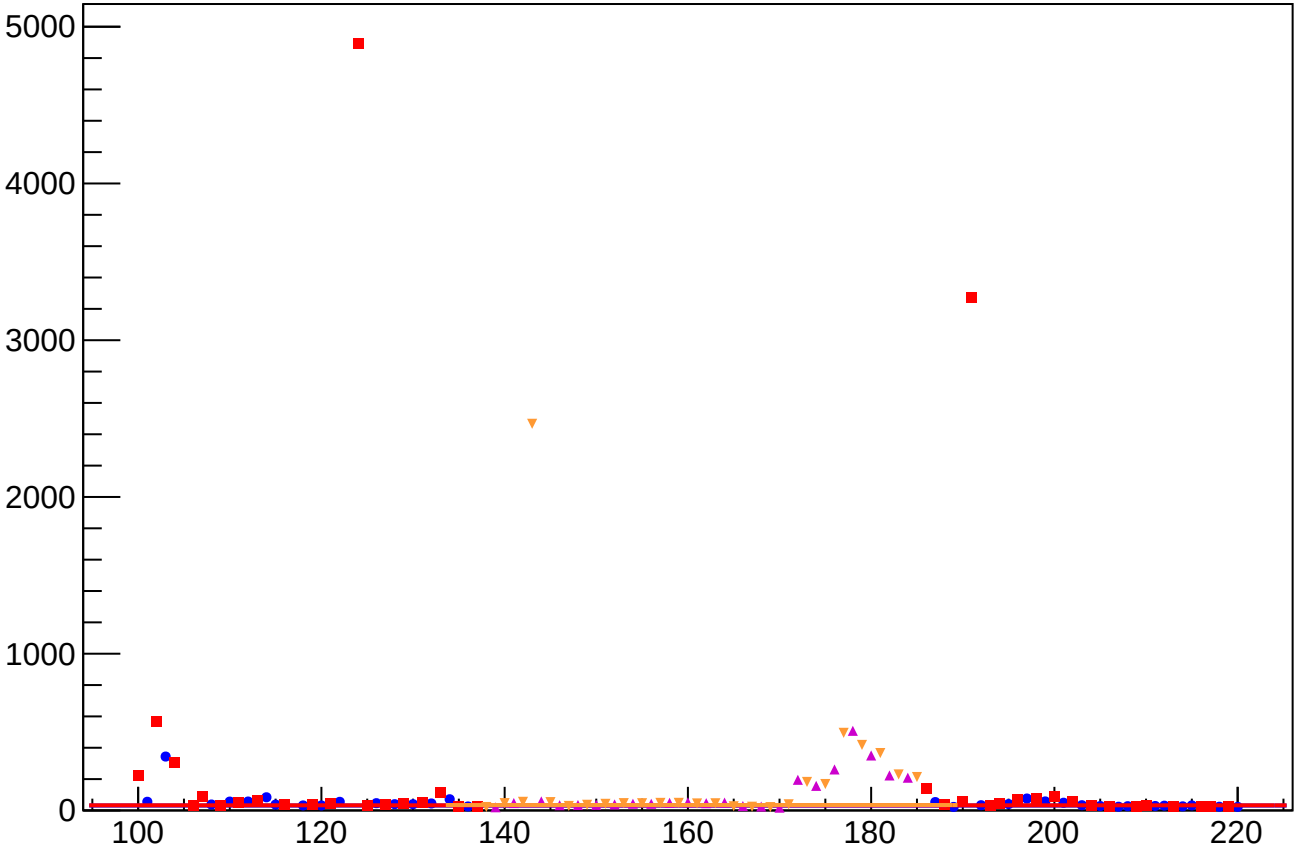
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.012+/-0.006 χ^2/NDF: 73.4/57

All: 0.005+/-0.004 χ^2/NDF: 117.7/117

- sign -0.002+/-0.006 χ^2/NDF: 41.8/59

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.241+/-0.006 χ^2/NDF: 4173311.4/32

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

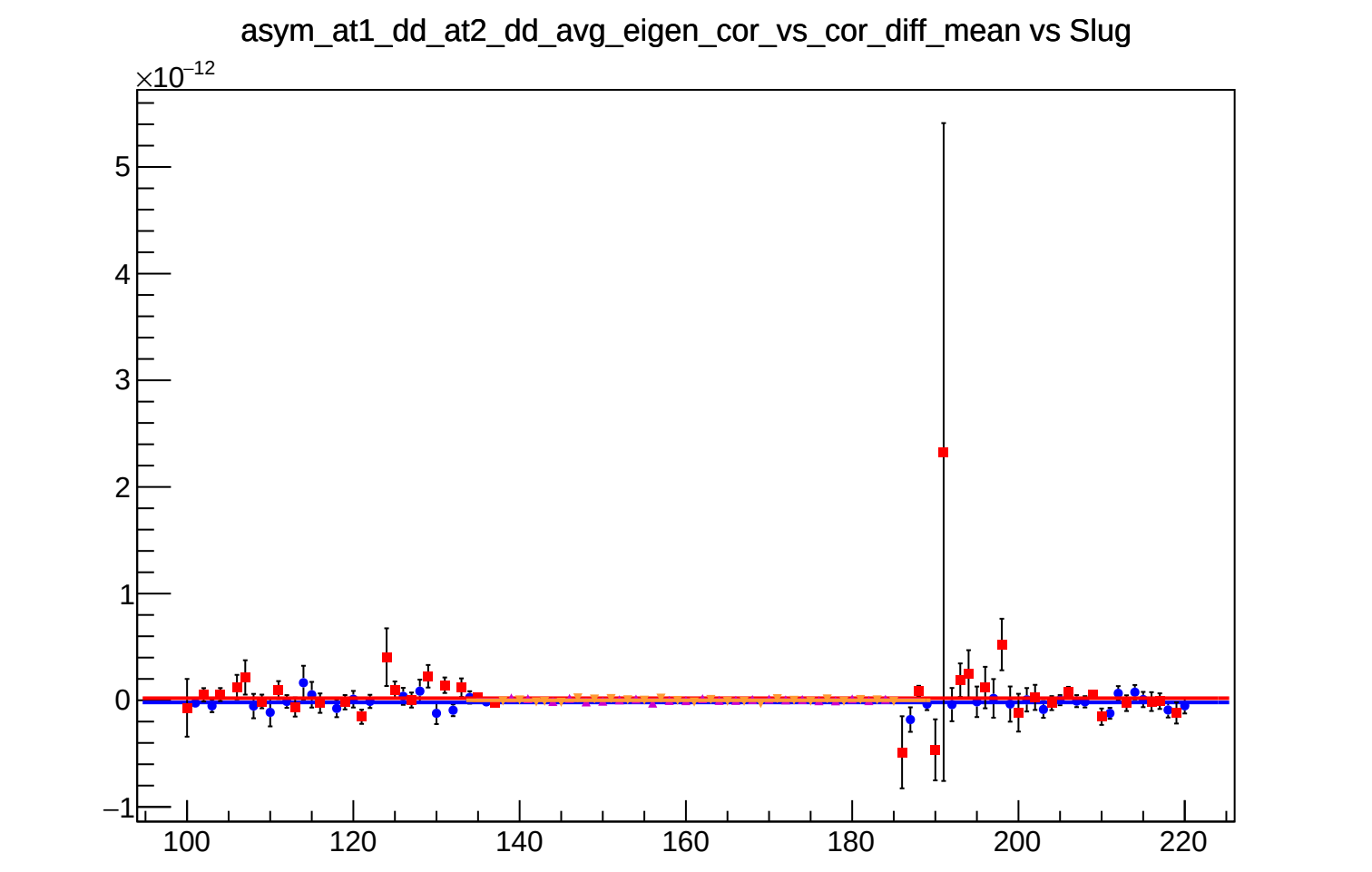
Right Out: 32.851+/-0.006 χ^2/NDF: 6862502.7/36

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 32.497+/-0.004 χ^2/NDF: 15713905.7/57

All: 32.818+/-0.003 χ^2/NDF: 32660175.2/117

- sign 33.163+/-0.005 χ^2/NDF: 16935201.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

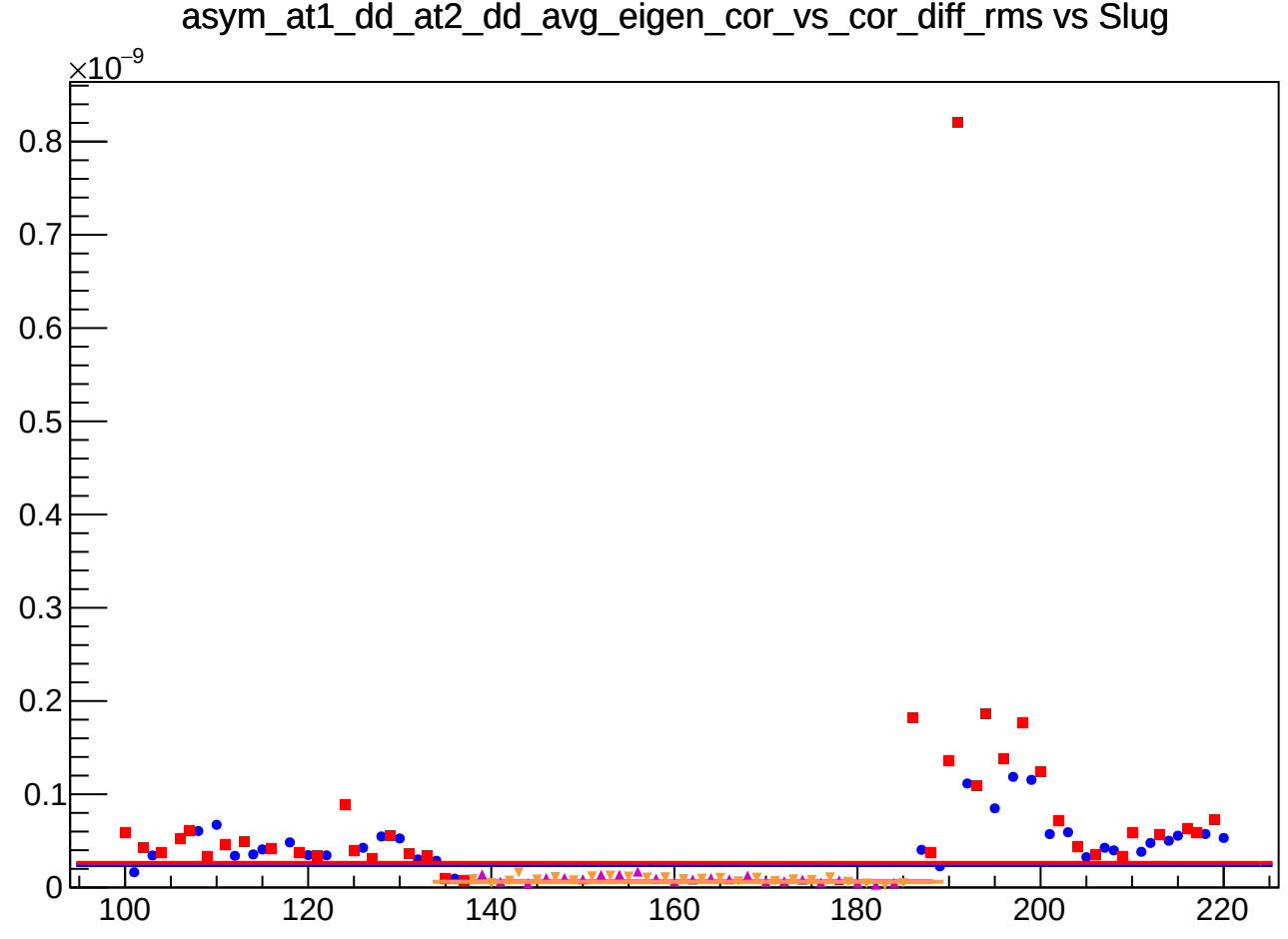
Right Out: 0.000+/-0.000 χ^2/NDF: 52.8/36

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.7/57

All: 0.000+/-0.000 χ^2/NDF: 129.8/117

- sign 0.000+/-0.000 χ^2/NDF: 75.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 9334034.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11712452.7/36

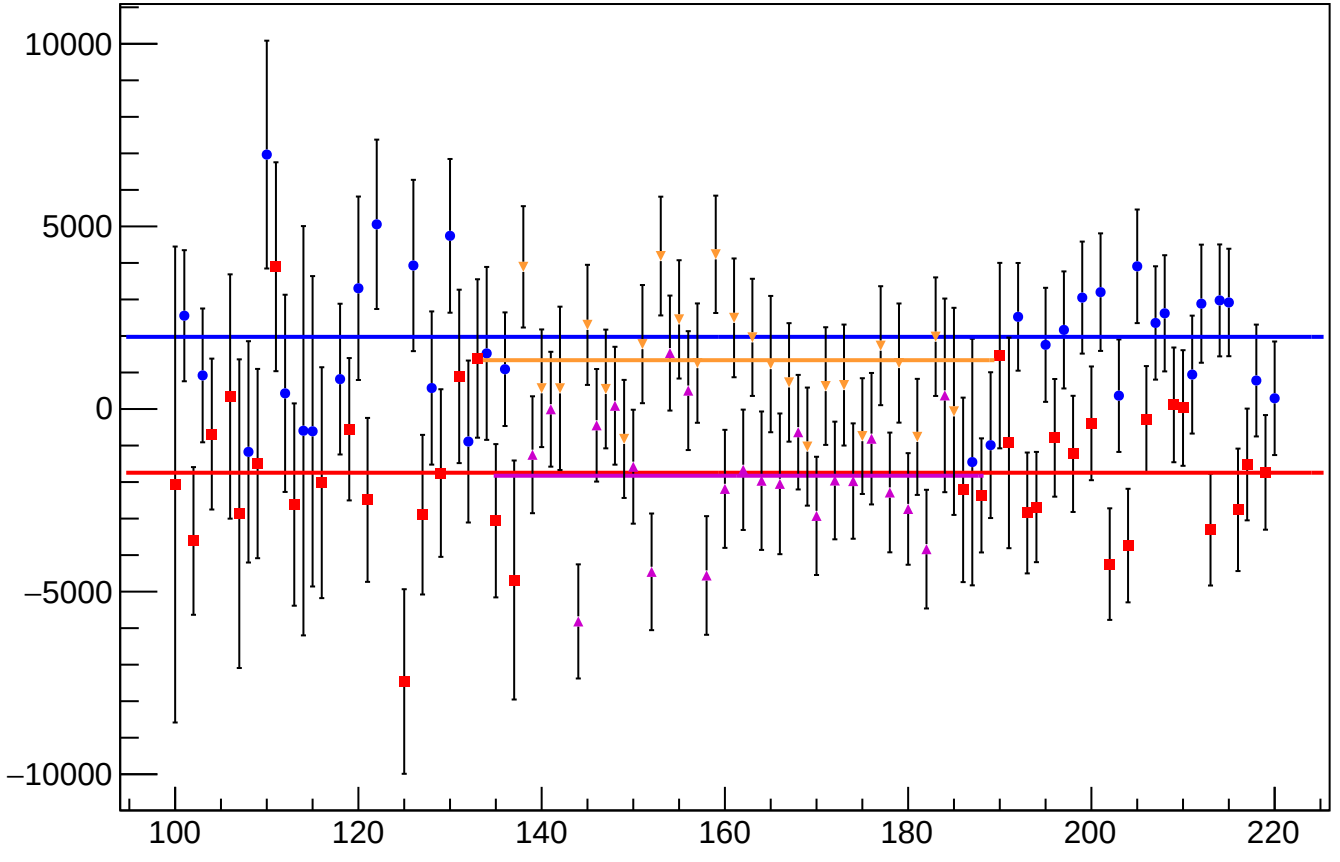
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 22563169.4/57

All: 0.000+/-0.000 χ^2/NDF: 46432495.9/117

- sign 0.000+/-0.000 χ^2/NDF: 23850212.2/59

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1976.128+/-322.709 χ^2/NDF: 22.9/32

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1744.470+/-325.278 χ^2/NDF: 29.3/35

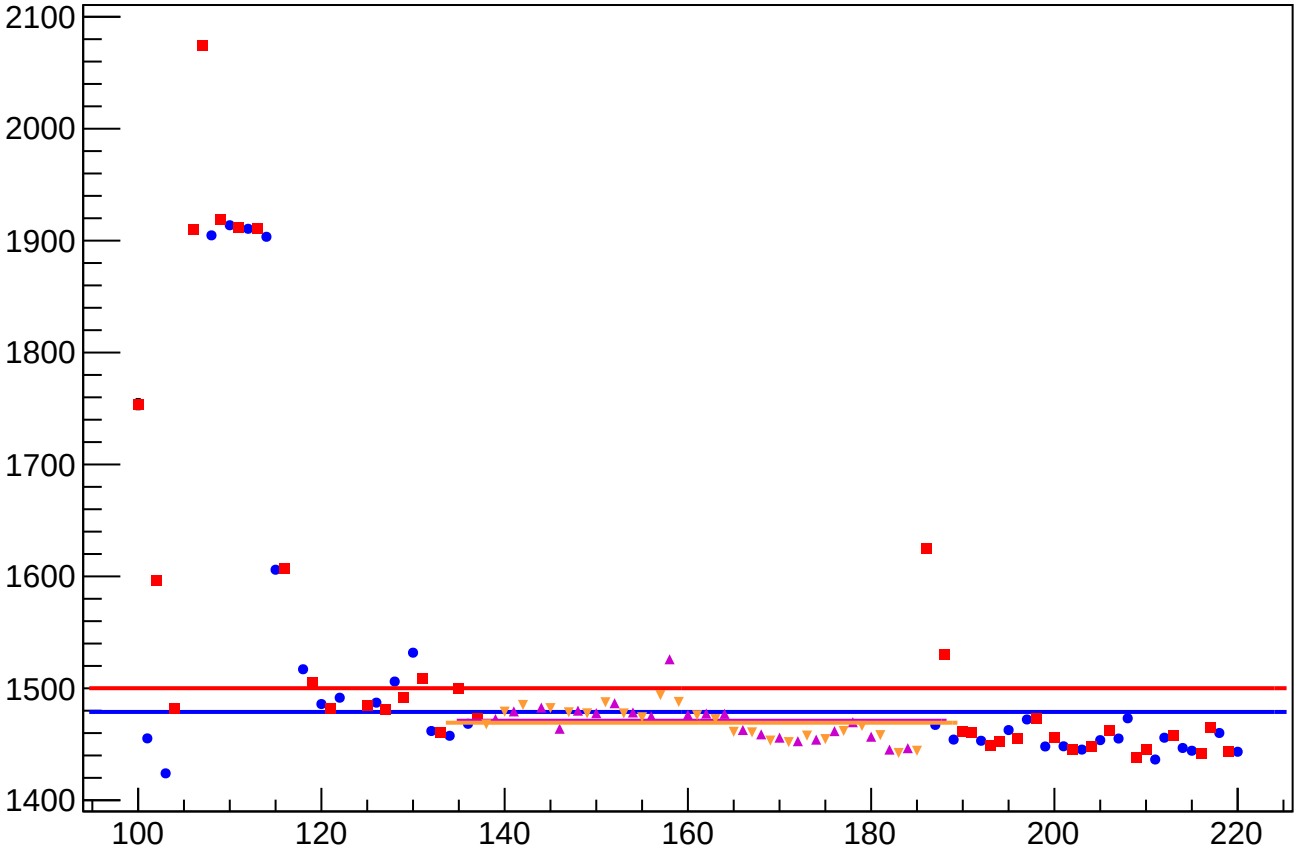
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1674.180+/-234.393 χ^2/NDF: 44.0/56

All: -41.432+/-166.369 χ^2/NDF: 207.7/115

- sign -1783.300+/-236.180 χ^2/NDF: 55.8/58

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1478.896+/-0.228 χ^2/NDF: 157498.4/32

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

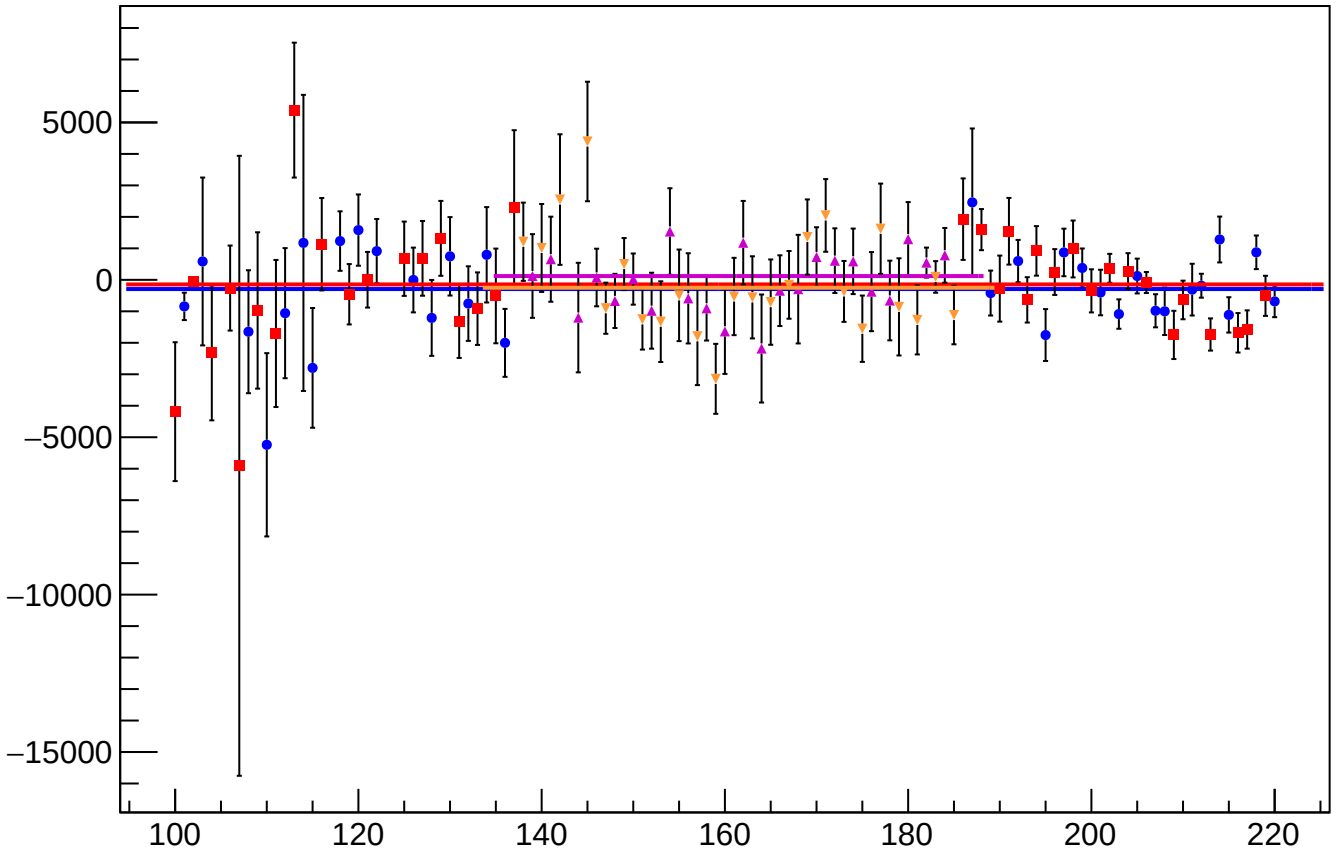
Right Out: 1500.095+/-0.230 χ^2/NDF: 249309.2/35

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1474.346+/-0.166 χ^2/NDF: 161494.9/56

All: 1480.310+/-0.118 χ^2/NDF: 425592.5/115

- sign 1486.364+/-0.167 χ^2/NDF: 261488.8/58



Right In: -292.559+/-129.306 χ^2/NDF: 46.5/32

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: -146.396+/-96.427 χ^2/NDF: 63.1/35

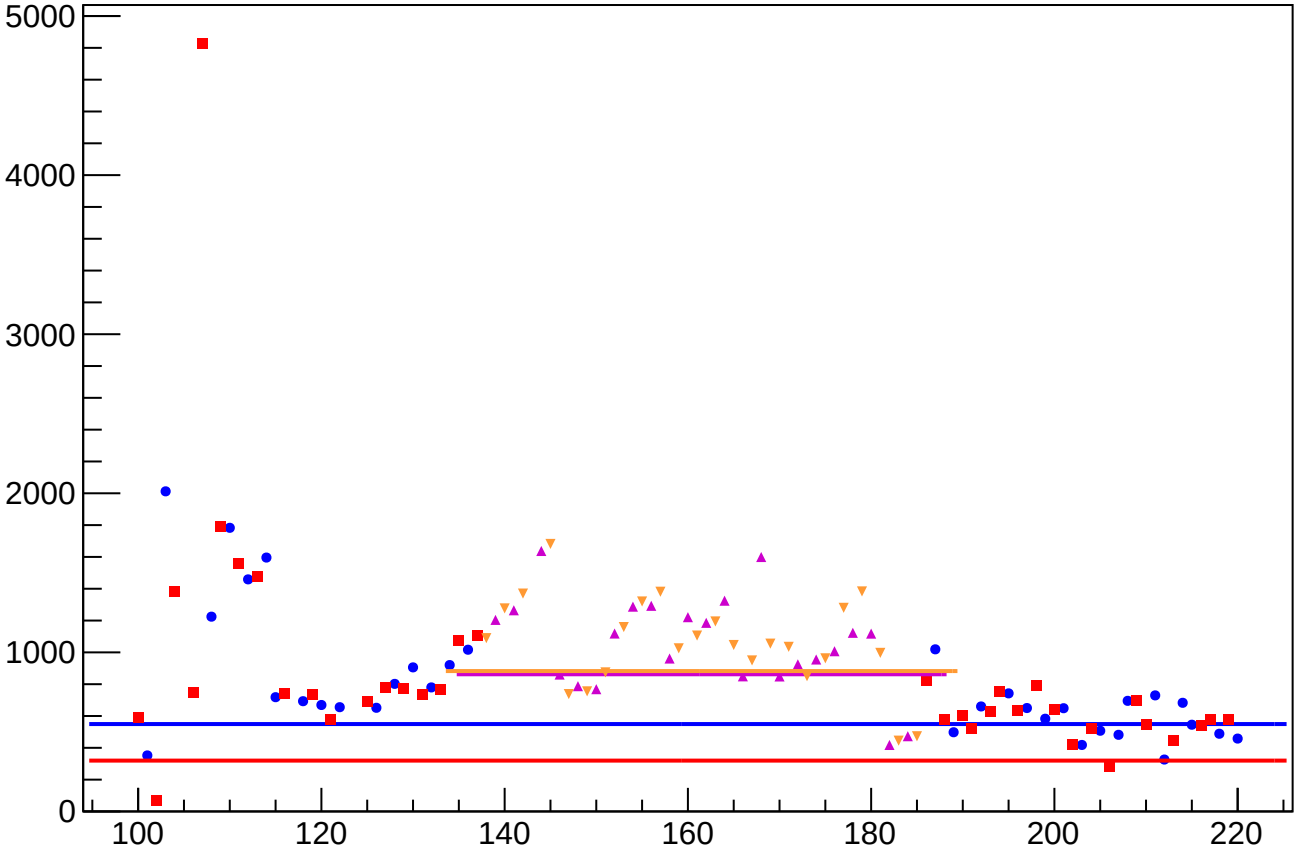
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

+ sign -281.929+/-111.263 χ^2/NDF: 79.2/56

All: -171.383+/-69.045 χ^2/NDF: 158.0/115

- sign -102.153+/-88.049 χ^2/NDF: 77.2/58

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 549.394+/-0.091 χ^2/NDF: 4602136.4/32

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 319.667+/-0.068 χ^2/NDF: 17699798.2/35

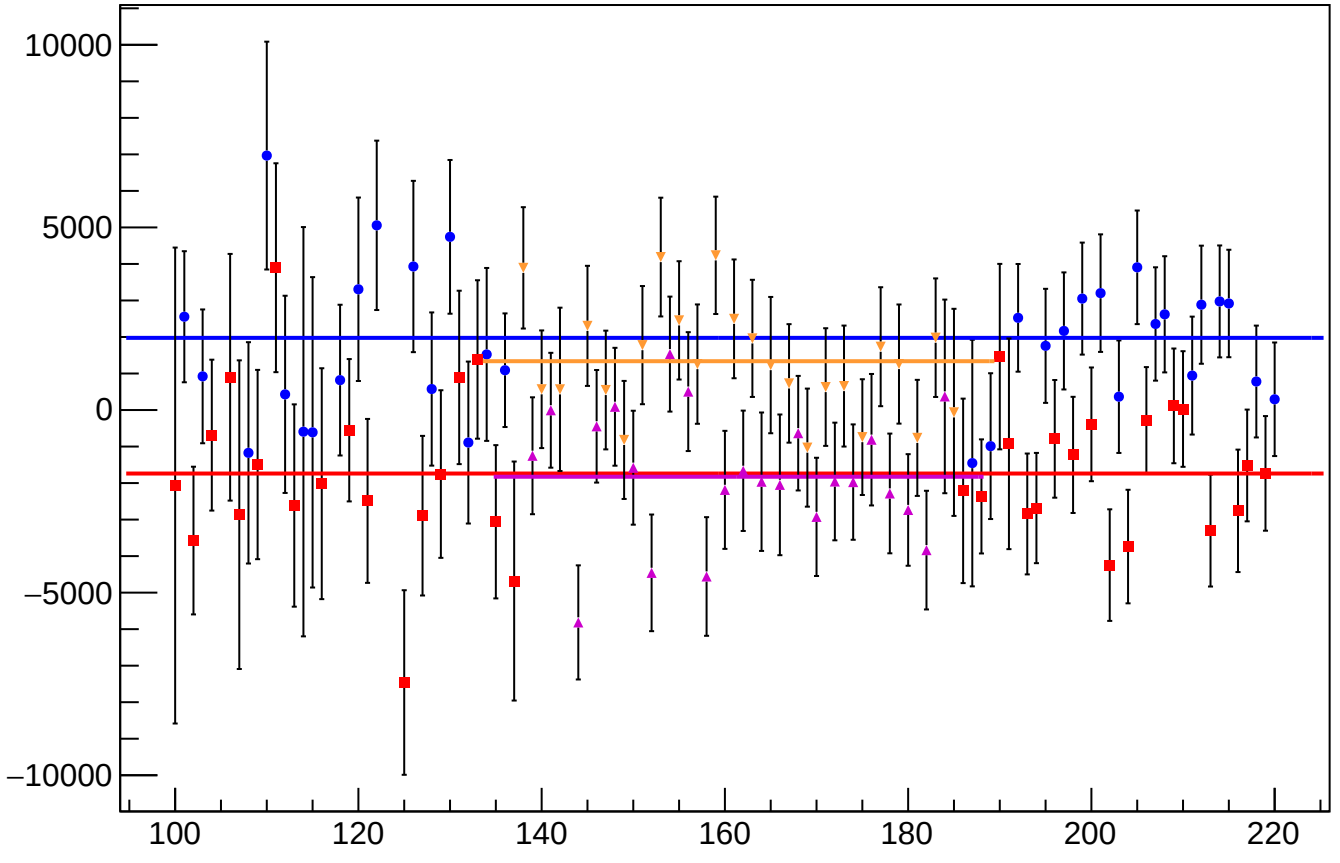
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 635.853+/-0.079 χ^2/NDF: 11947637.2/56

All: 496.885+/-0.049 χ^2/NDF: 49617473.3/11

- sign 409.855+/-0.062 χ^2/NDF: 32595878.5/58

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1976.197+/-322.709 χ^2/NDF: 22.9/32

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1738.698+/-325.309 χ^2/NDF: 29.5/35

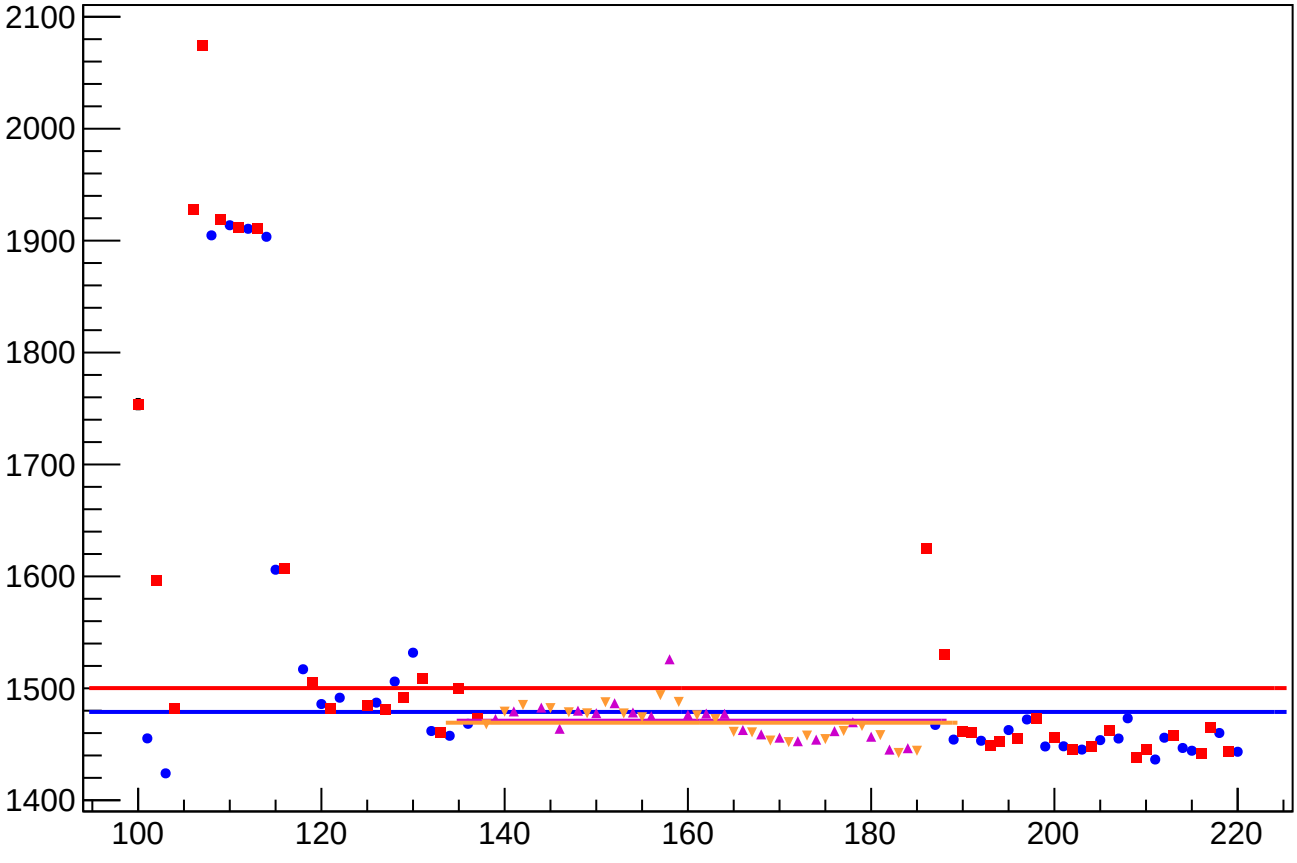
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1674.221+/-234.393 χ^2/NDF: 44.0/56

All: -39.829+/-166.373 χ^2/NDF: 207.7/115

- sign -1780.283+/-236.192 χ^2/NDF: 56.0/58

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1478.896+/-0.228 χ^2/NDF: 157498.3/32

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

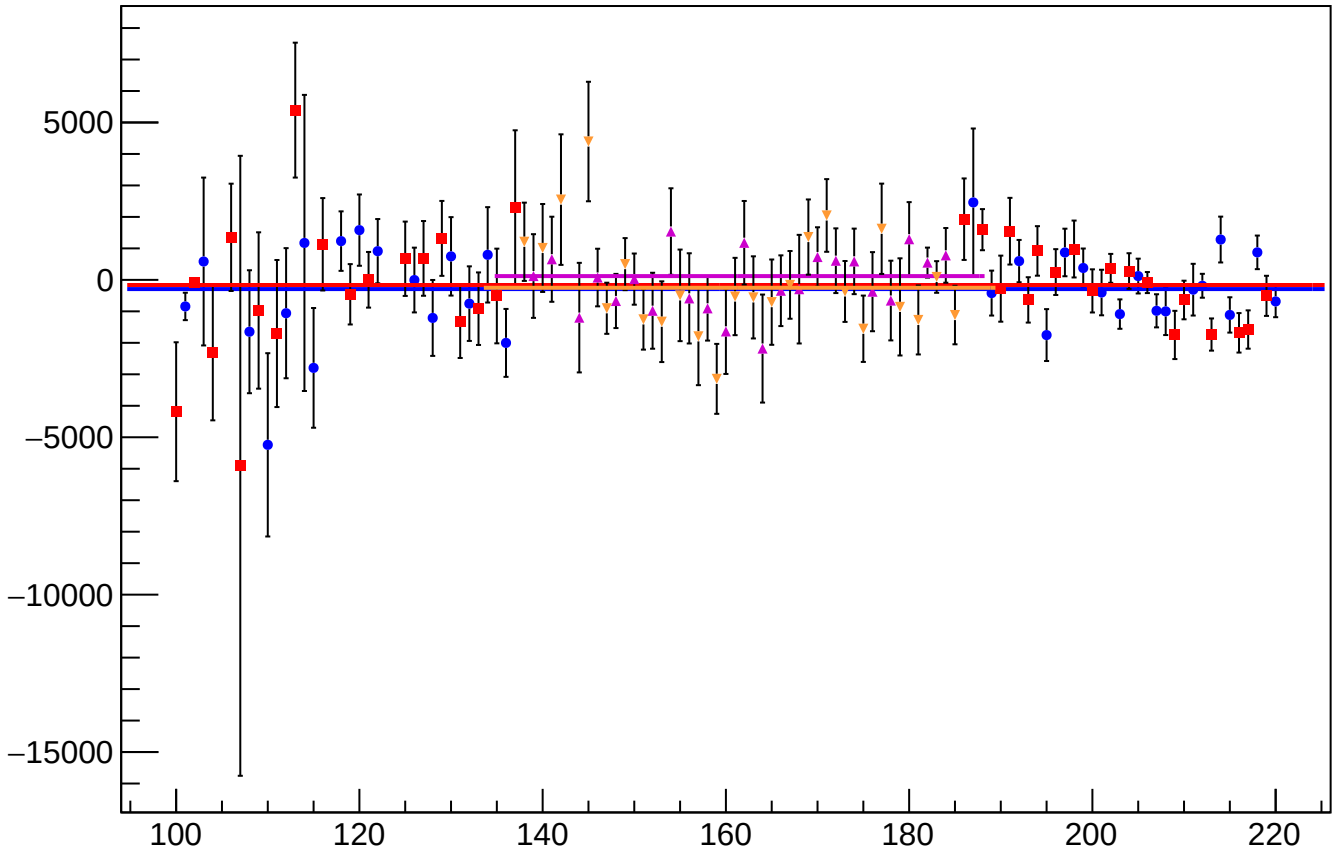
Right Out: 1500.195+/-0.230 χ^2/NDF: 251448.3/35

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1474.346+/-0.166 χ^2/NDF: 161494.9/56

All: 1480.335+/-0.118 χ^2/NDF: 427805.7/115

- sign 1486.416+/-0.167 χ^2/NDF: 263679.7/58



Right In: -292.574+/-129.304 χ^2/NDF: 46.5/32

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -163.108+/-100.692 χ^2/NDF: 63.6/35

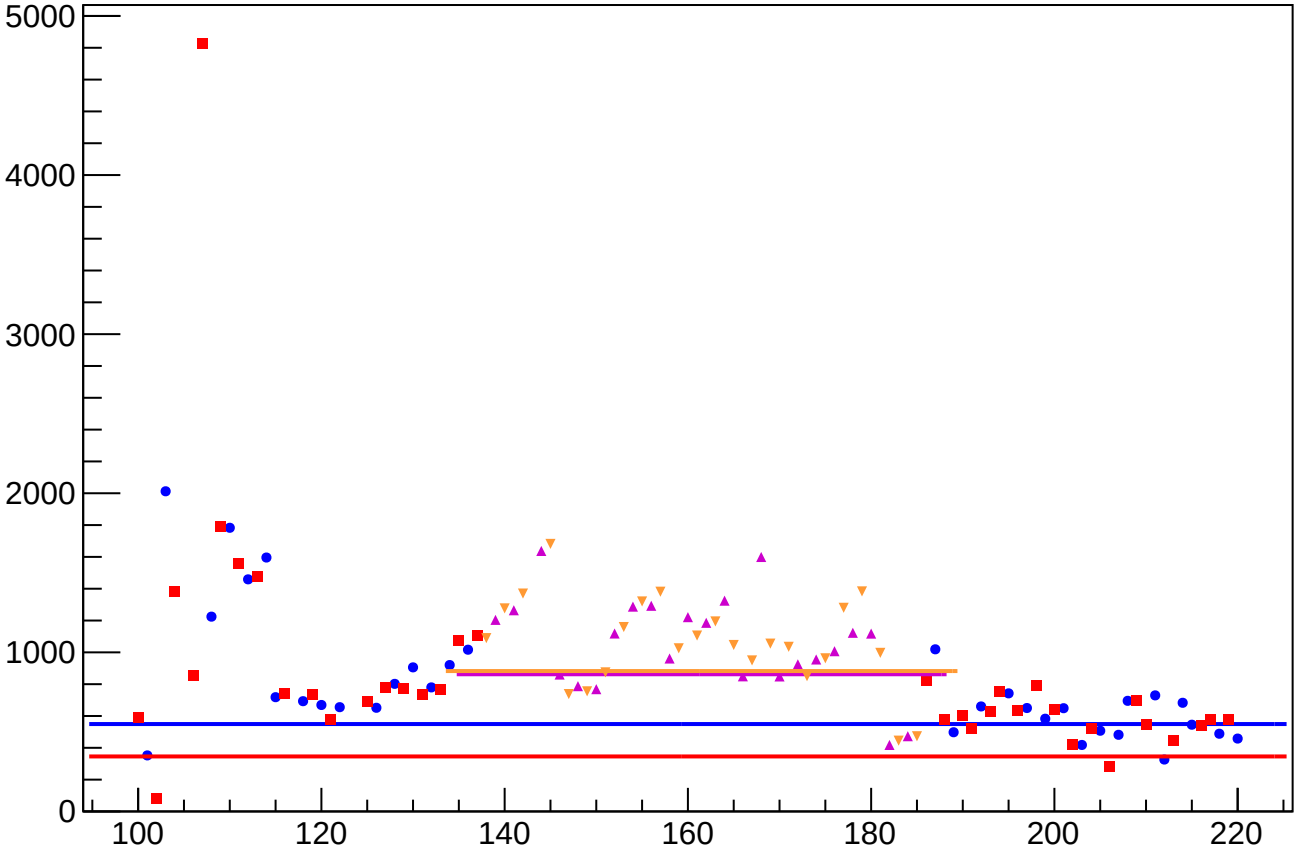
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -281.934+/-111.261 χ^2/NDF: 79.2/56

All: -180.697+/-70.561 χ^2/NDF: 158.4/115

- sign -112.586+/-91.261 χ^2/NDF: 77.8/58

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 549.380+/-0.091 χ^2/NDF: 4602648.6/32

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 345.748+/-0.071 χ^2/NDF: 16036320.5/35

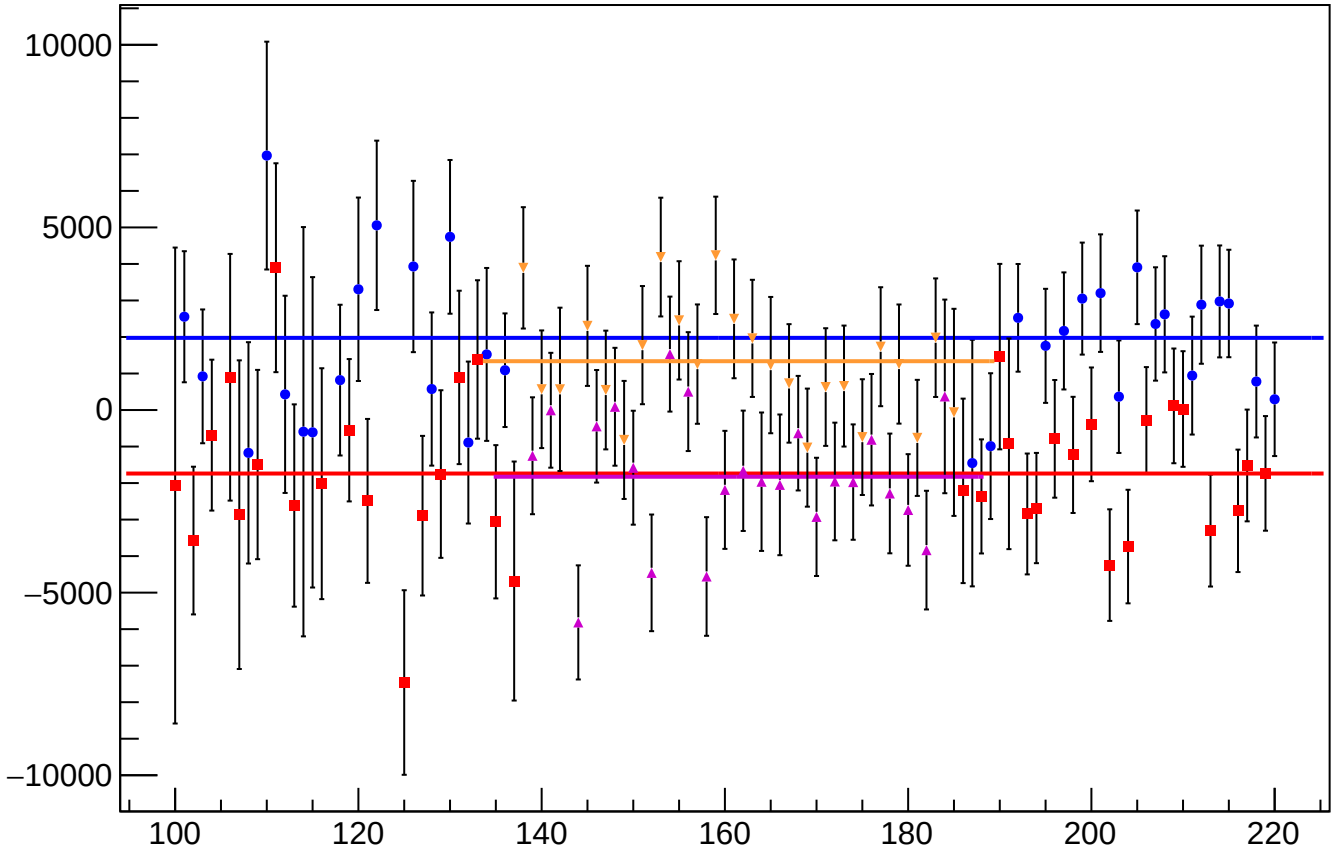
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 635.839+/-0.079 χ^2/NDF: 11948616.9/56

All: 517.557+/-0.050 χ^2/NDF: 45533305.9/11

- sign 437.979+/-0.065 χ^2/NDF: 29803623.3/58

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1976.197+/-322.709 χ^2/NDF: 22.9/32

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1738.698+/-325.309 χ^2/NDF: 29.5/35

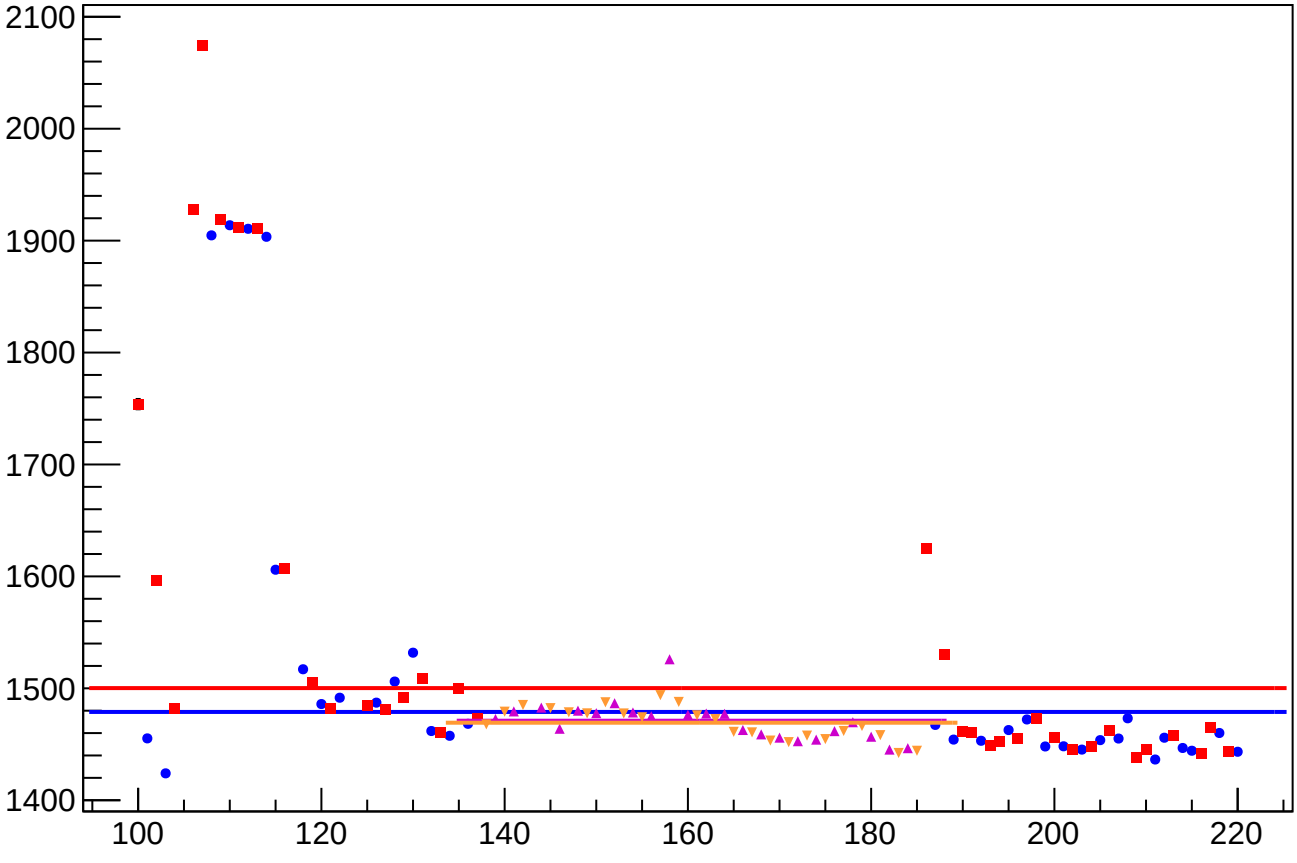
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1674.221+/-234.393 χ^2/NDF: 44.0/56

All: -39.829+/-166.373 χ^2/NDF: 207.7/115

- sign -1780.283+/-236.192 χ^2/NDF: 56.0/58

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1478.896+/-0.228 χ^2/NDF: 157498.3/32

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

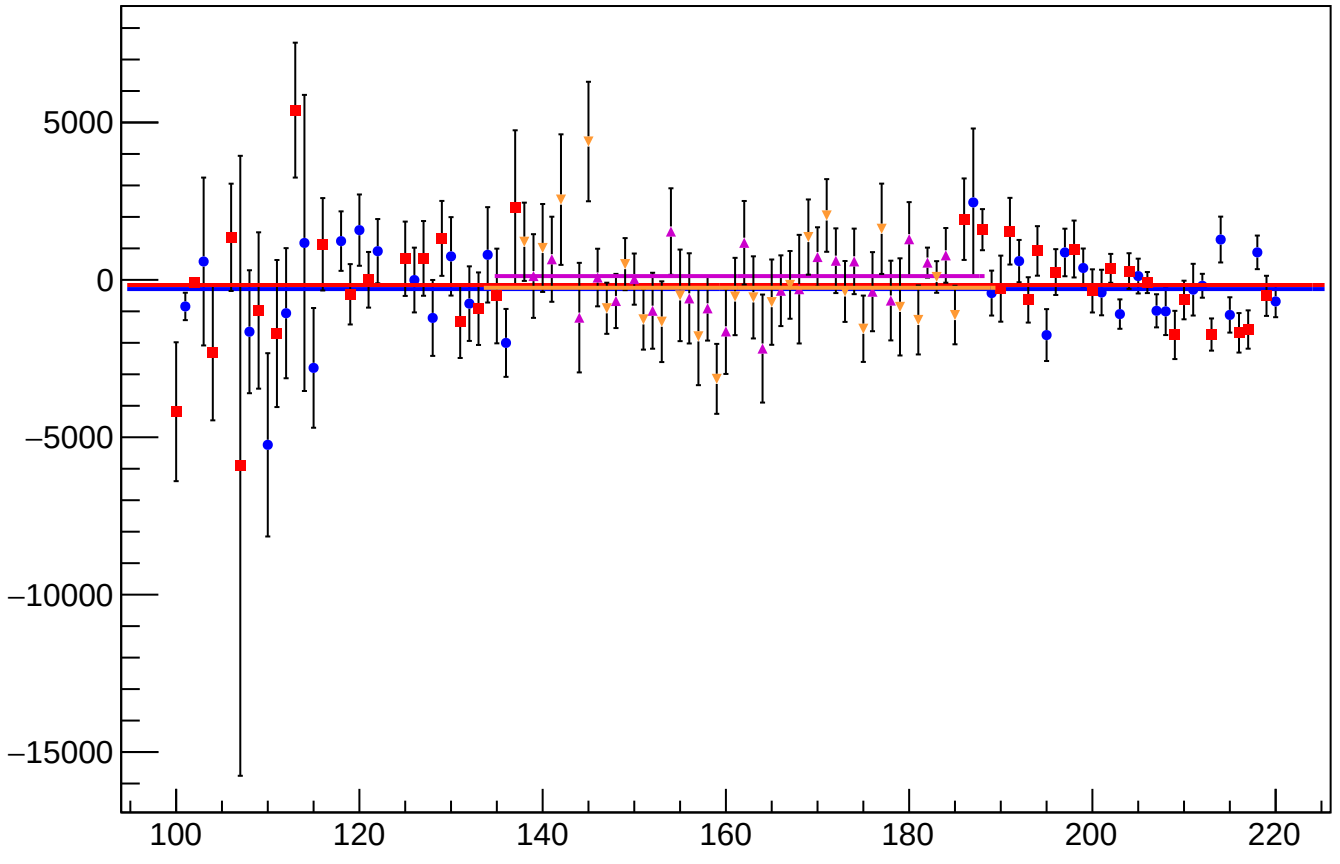
Right Out: 1500.195+/-0.230 χ^2/NDF: 251448.3/35

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1474.346+/-0.166 χ^2/NDF: 161494.9/56

All: 1480.335+/-0.118 χ^2/NDF: 427805.7/115

- sign 1486.416+/-0.167 χ^2/NDF: 263679.7/58



Right In: -292.574+/-129.304 χ^2/NDF: 46.5/32

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: -163.108+/-100.692 χ^2/NDF: 63.6/35

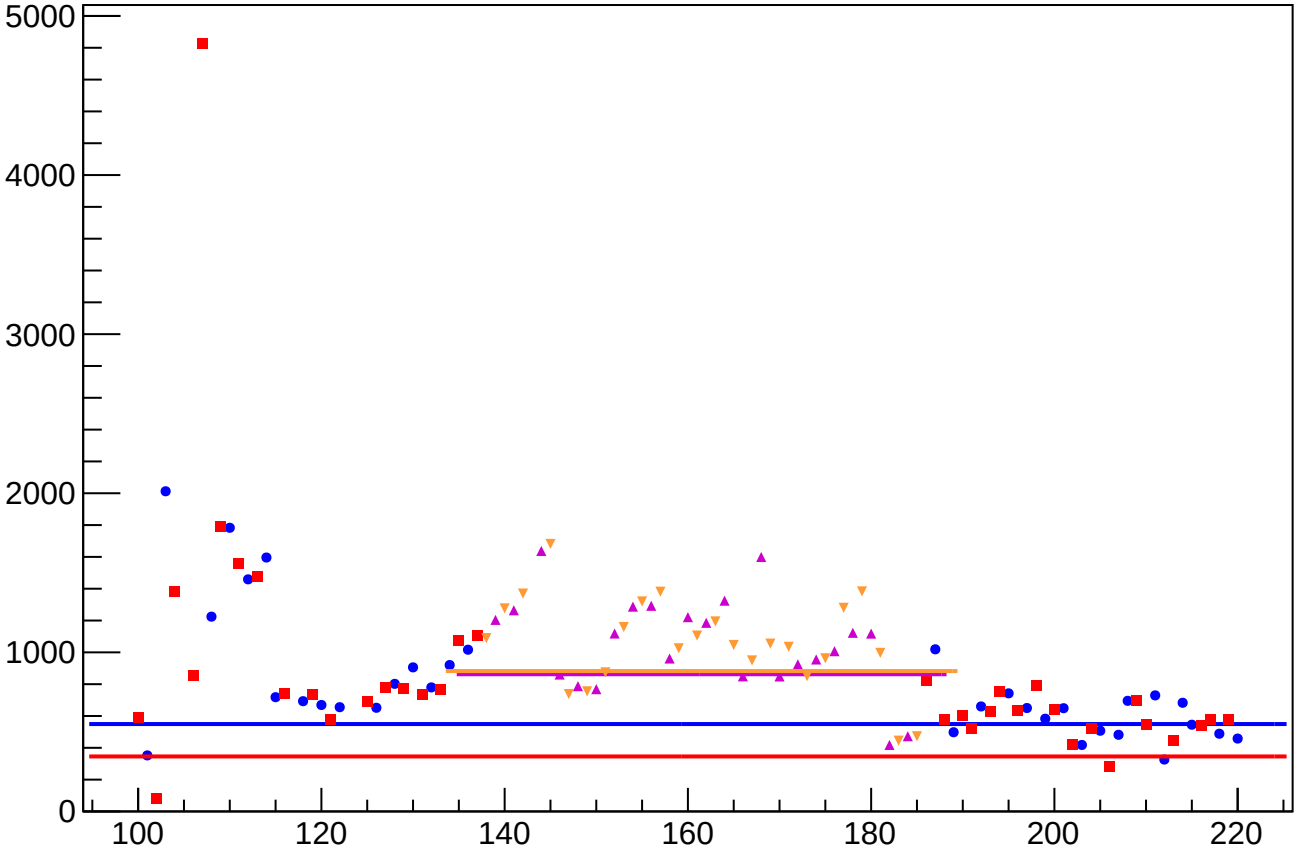
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

\+ sign -281.934+/-111.261 χ^2/NDF: 79.2/56

All: -180.697+/-70.561 χ^2/NDF: 158.4/115

\- sign -112.586+/-91.261 χ^2/NDF: 77.8/58

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 549.380+/-0.091 χ^2/NDF: 4602648.6/32

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 345.748+/-0.071 χ^2/NDF: 16036320.5/35

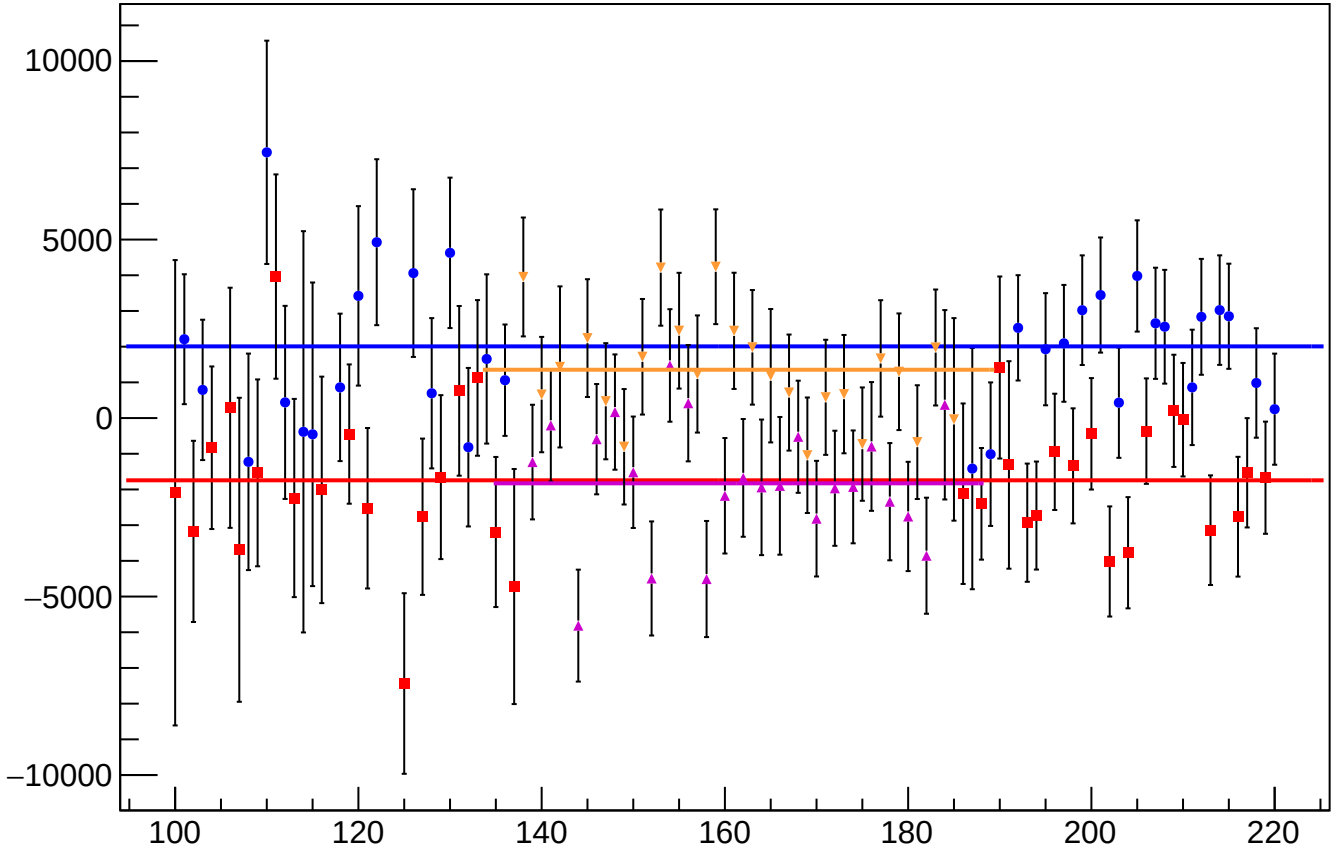
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 635.839+/-0.079 χ^2/NDF: 11948616.9/56

All: 517.557+/-0.050 χ^2/NDF: 45533305.9/11

- sign 437.979+/-0.065 χ^2/NDF: 29803623.3/58

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2008.015+/-324.406 χ^2/NDF: 23.2/32

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1743.877+/-328.841 χ^2/NDF: 27.4/35

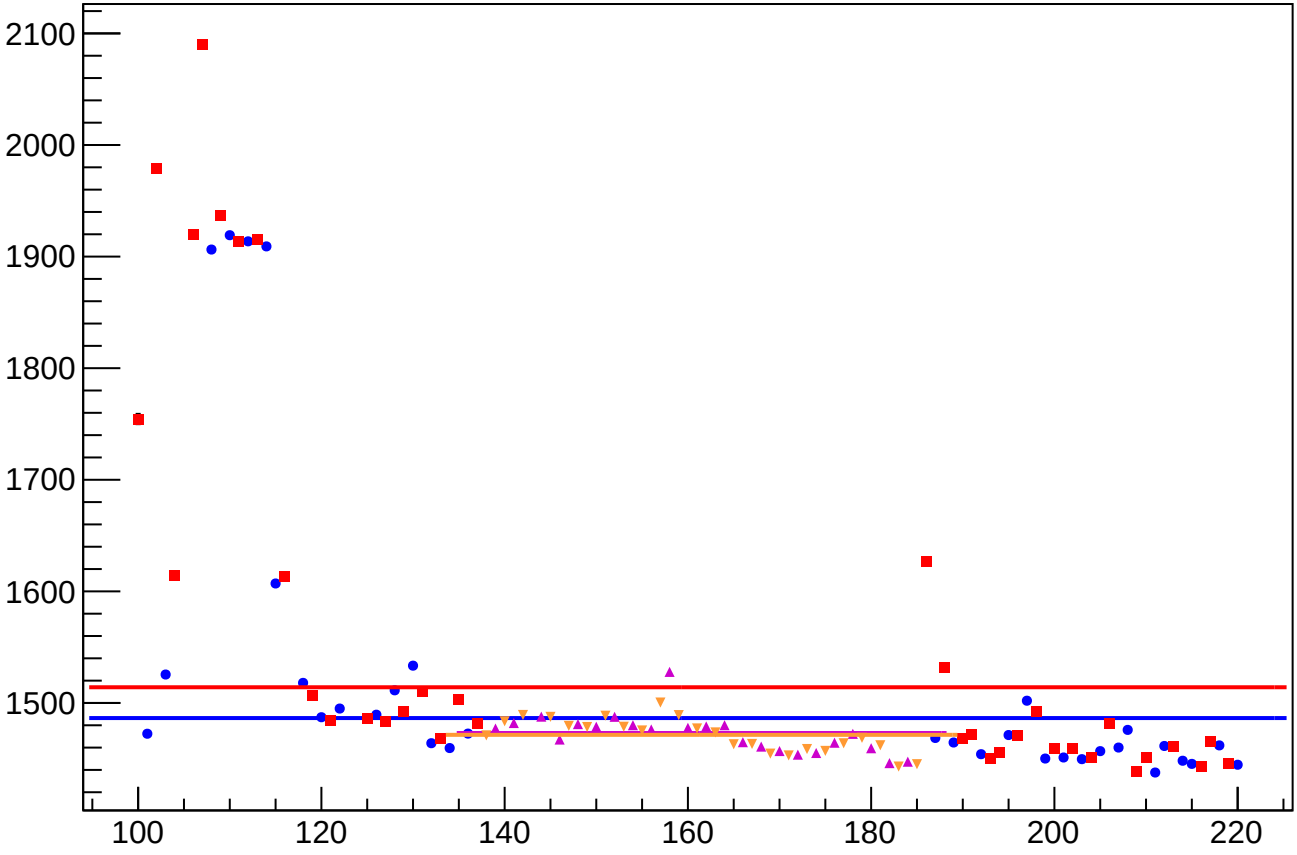
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1697.702+/-235.224 χ^2/NDF: 44.0/56

All: -25.086+/-167.193 χ^2/NDF: 205.7/115

- sign -1784.169+/-237.688 χ^2/NDF: 53.2/58

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1486.468+/-0.229 χ^2/NDF: 156006.0/32

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1514.067+/-0.233 χ^2/NDF: 318549.2/35

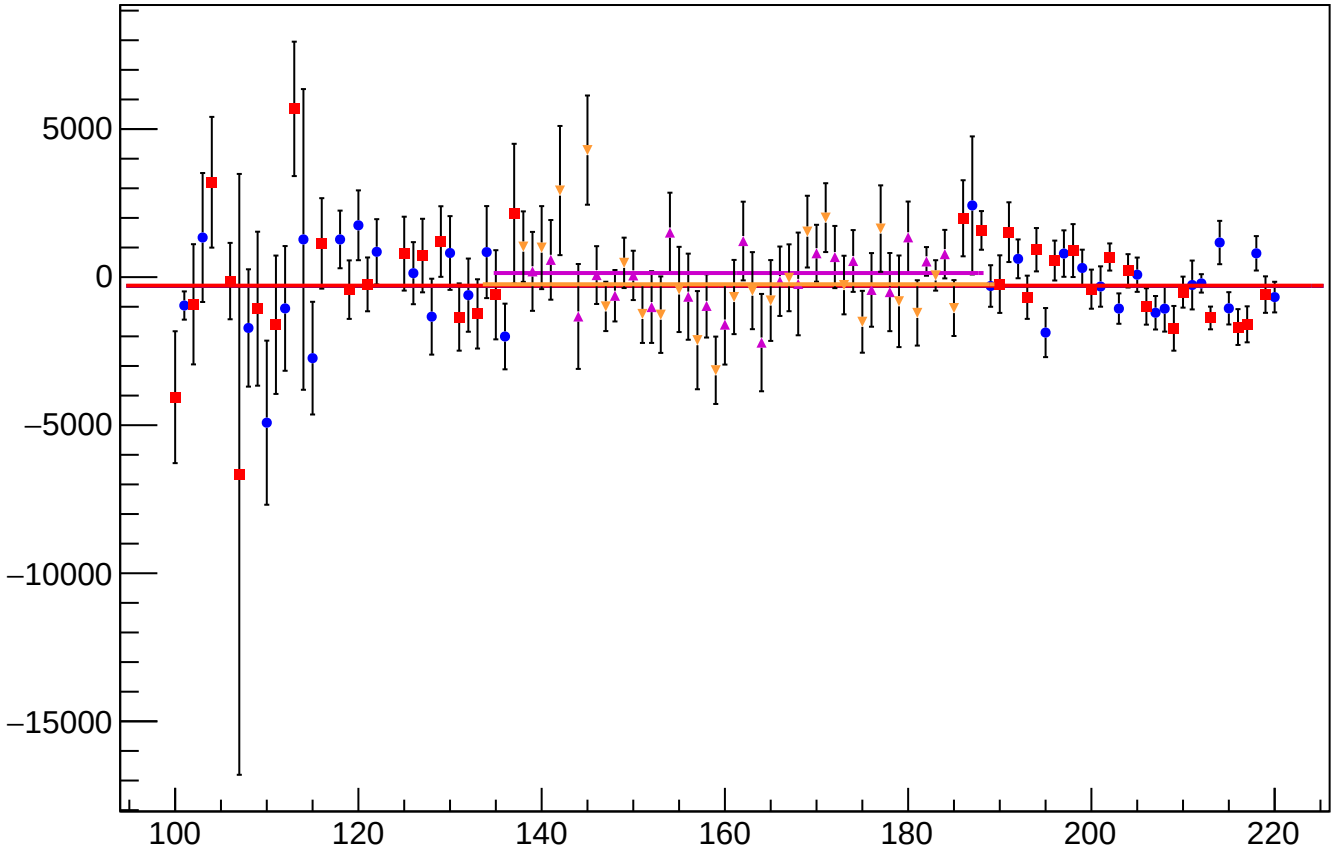
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1479.339+/-0.166 χ^2/NDF: 161479.1/56

All: 1486.830+/-0.118 χ^2/NDF: 503739.4/115

- sign 1494.479+/-0.168 χ^2/NDF: 338161.1/58

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -299.219+/-129.213 χ^2/NDF: 45.1/32

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: -287.938+/-136.237 χ^2/NDF: 69.3/35

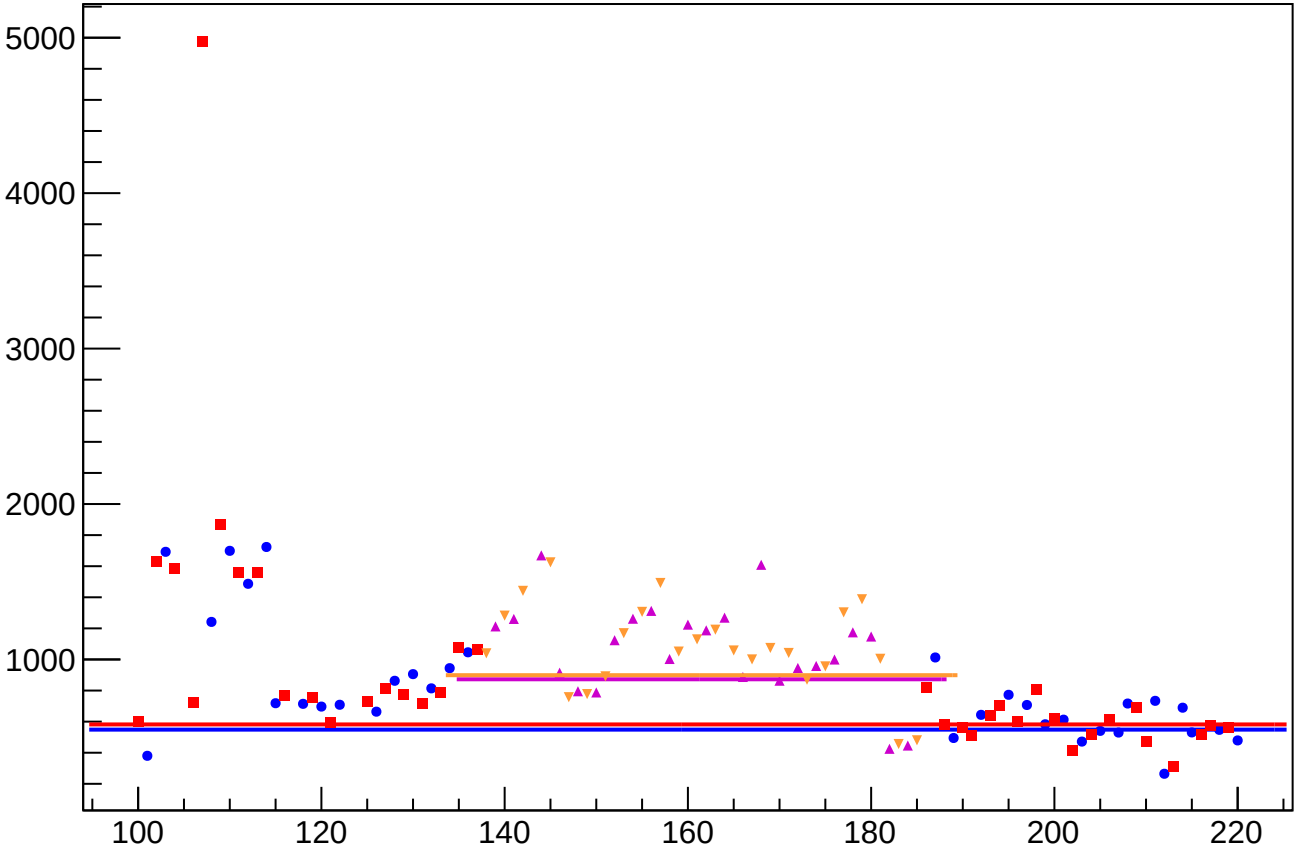
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -284.280+/-111.647 χ^2/NDF: 77.6/56

All: -228.437+/-80.308 χ^2/NDF: 163.1/115

- sign -168.568+/-115.603 χ^2/NDF: 85.0/58

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 548.622+/-0.091 χ^2/NDF: 5383880.0/32

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 582.035+/-0.096 χ^2/NDF: 4876419.8/35

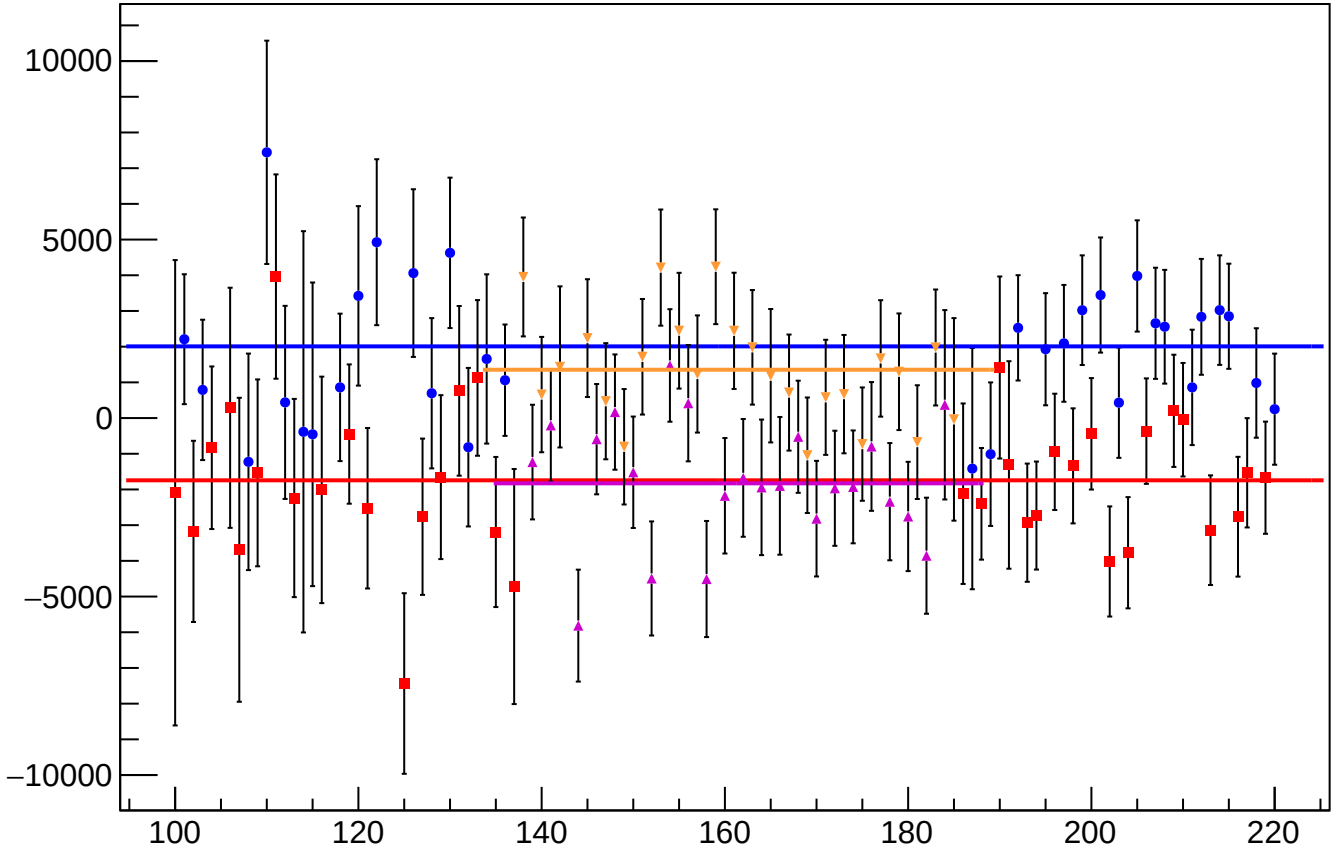
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 637.373+/-0.079 χ^2/NDF: 12898789.0/56

All: 649.909+/-0.057 χ^2/NDF: 24807856.7/11

- sign 663.350+/-0.082 χ^2/NDF: 11856813.6/58

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2008.013+/-324.406 χ^2/NDF: 23.2/32

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1743.877+/-328.841 χ^2/NDF: 27.4/35

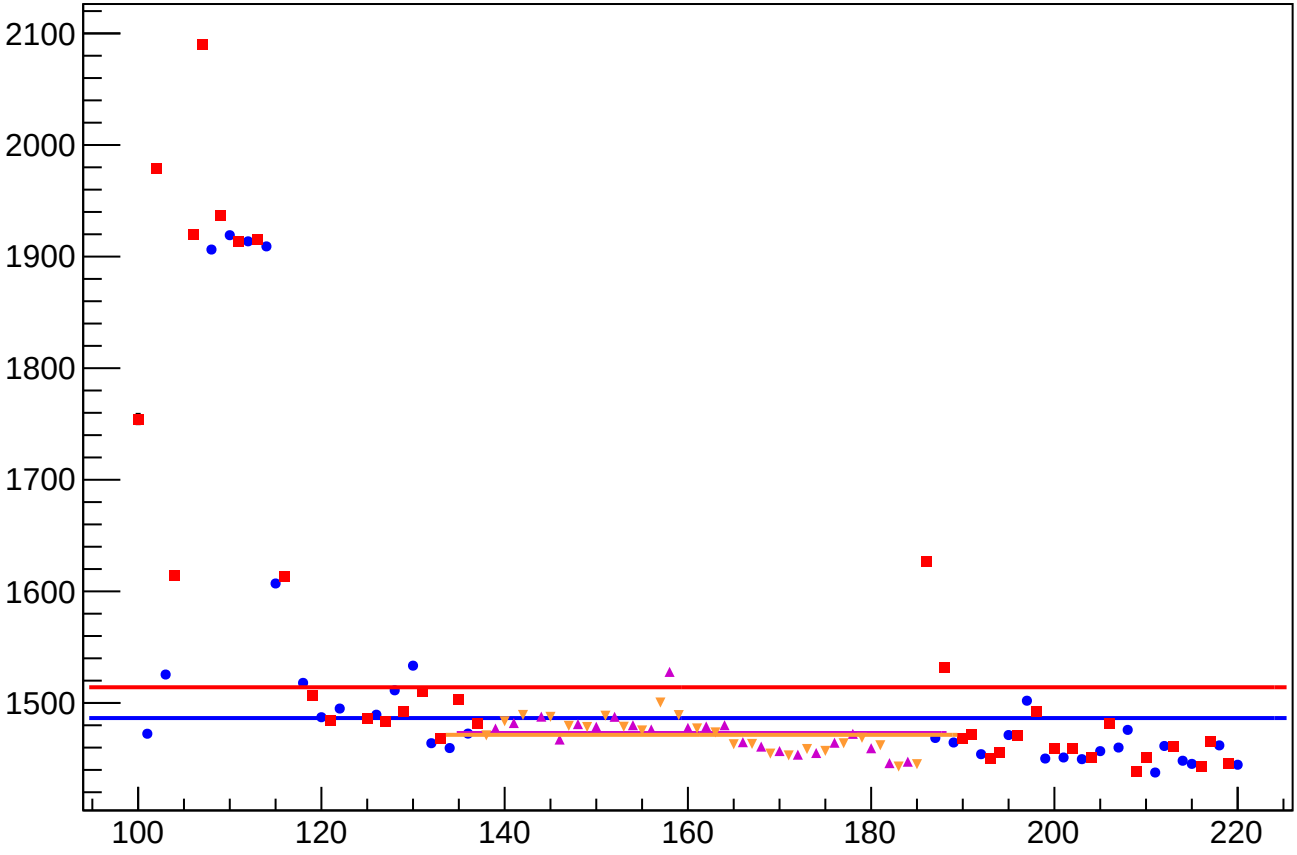
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1697.701+/-235.224 χ^2/NDF: 44.0/56

All: -25.086+/-167.193 χ^2/NDF: 205.7/115

- sign -1784.169+/-237.688 χ^2/NDF: 53.2/58

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1486.468+/-0.229 χ^2/NDF: 156005.8/32

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

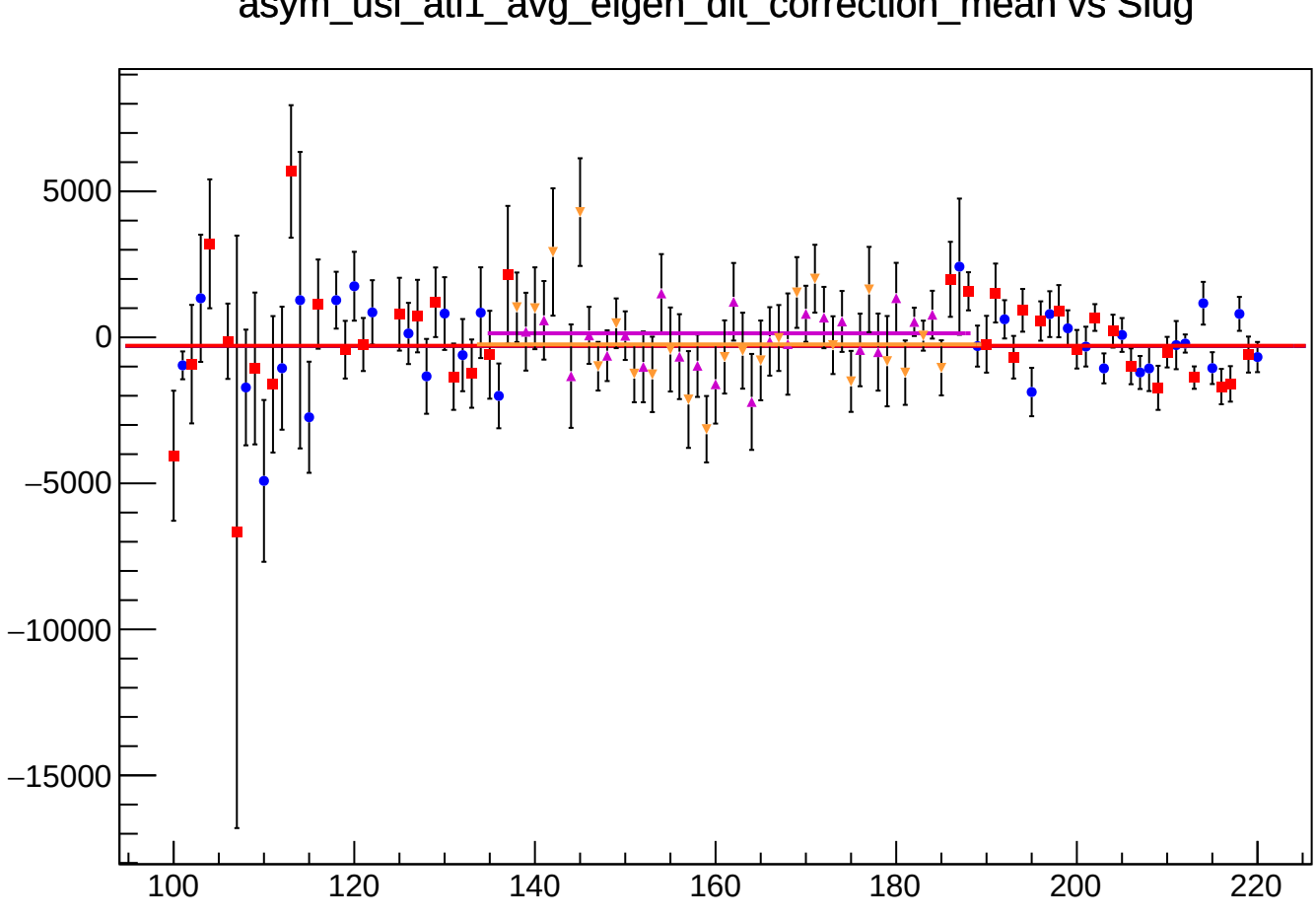
Right Out: 1514.067+/-0.233 χ^2/NDF: 318548.7/35

Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1479.339+/-0.166 χ^2/NDF: 161478.9/56

All: 1486.830+/-0.118 χ^2/NDF: 503738.7/115

- sign 1494.479+/-0.168 χ^2/NDF: 338160.5/58



Right In: -299.219+/-129.213 χ^2/NDF: 45.1/32

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: -287.938+/-136.237 χ^2/NDF: 69.3/35

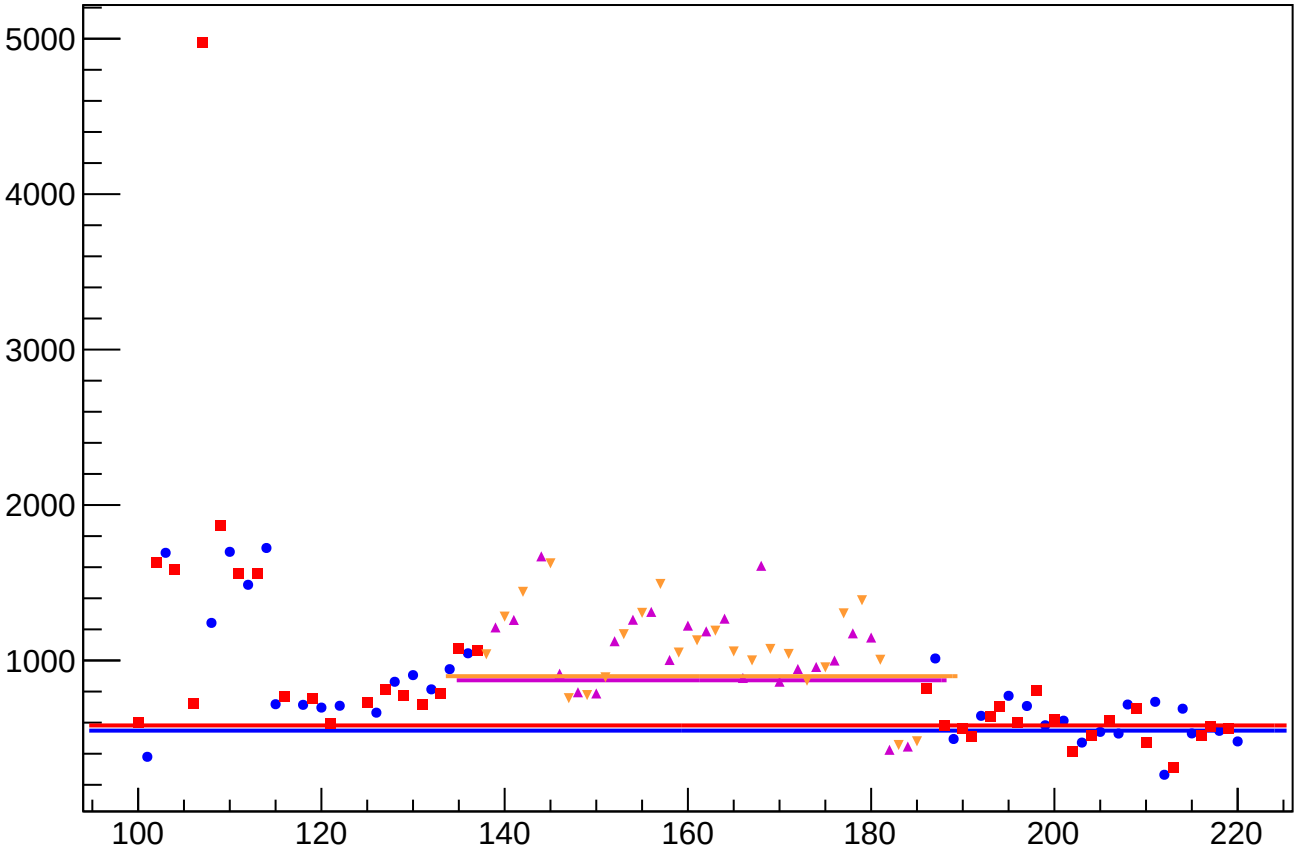
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

\+ sign -284.281+/-111.647 χ^2/NDF: 77.6/56

All: -228.438+/-80.308 χ^2/NDF: 163.1/115

\- sign -168.568+/-115.603 χ^2/NDF: 85.0/58

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 548.623+/-0.091 χ^2/NDF: 5383876.0/32

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 582.035+/-0.096 χ^2/NDF: 4876416.9/35

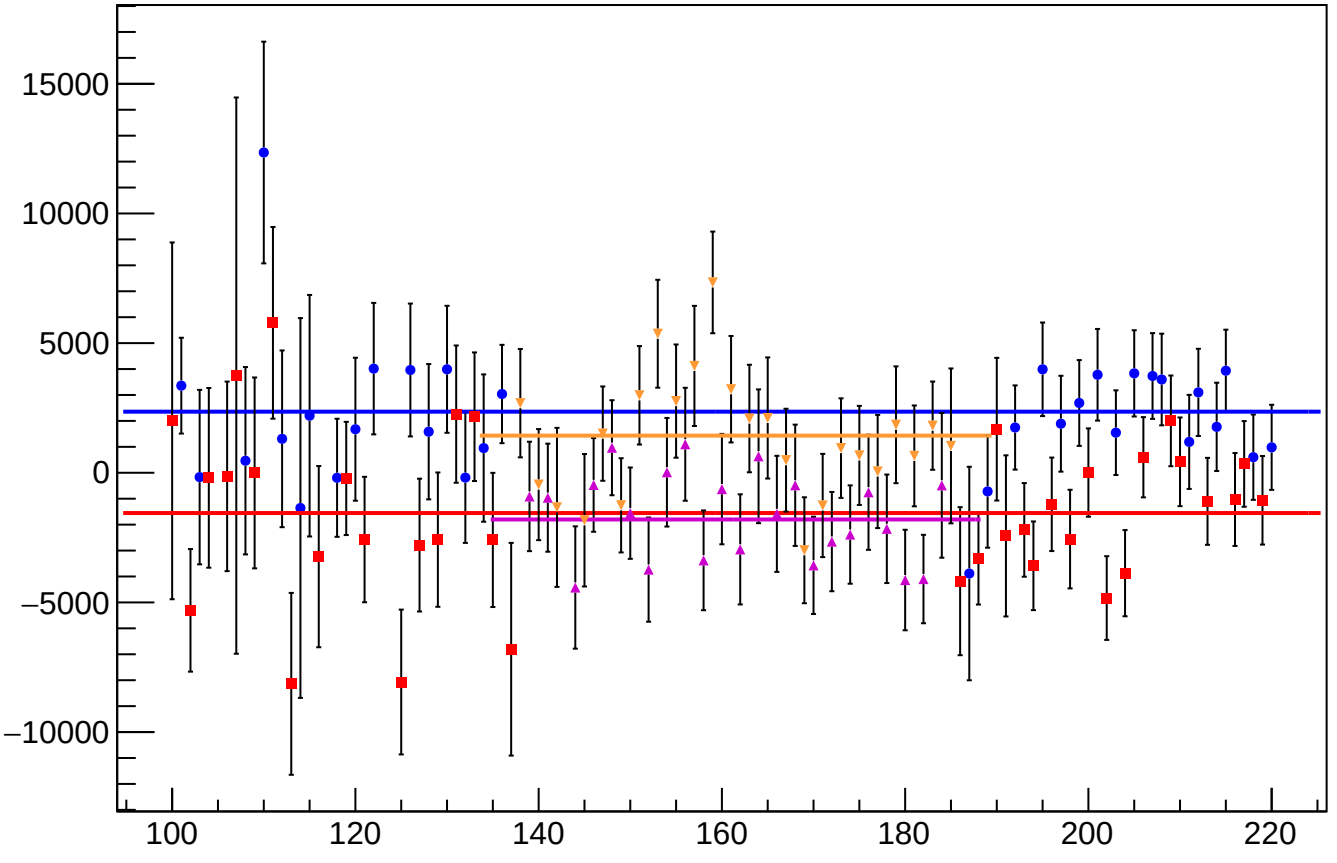
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 637.373+/-0.079 χ^2/NDF: 12898801.7/56

All: 649.910+/-0.057 χ^2/NDF: 24807879.9/11

- sign 663.351+/-0.082 χ^2/NDF: 11856823.5/58

asym_usl_atl1_avg_mean vs Slug



Right In: 2356.293+/-361.093 χ^2/NDF: 22.8/32

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -1552.662+/-365.991 χ^2/NDF: 44.7/35

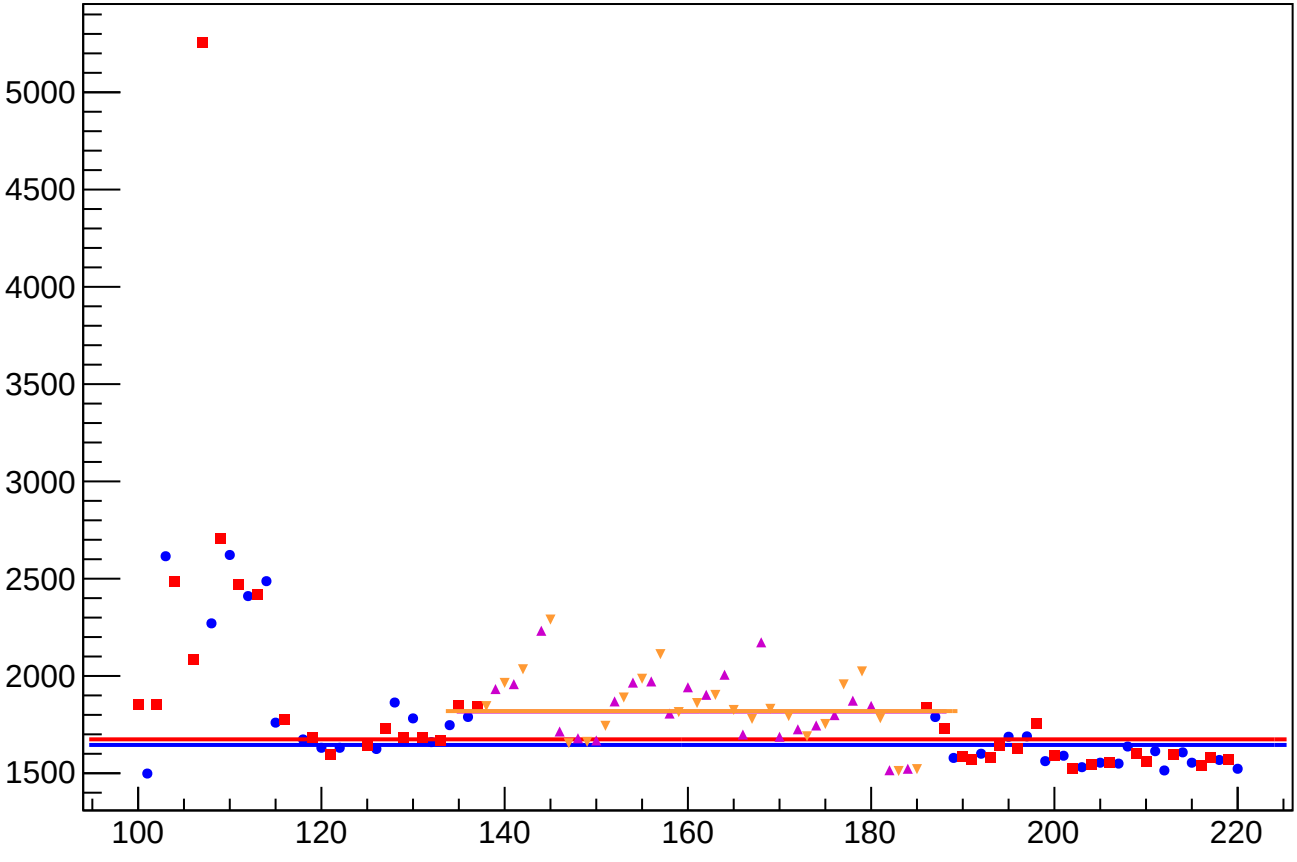
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1968.780+/-275.036 χ^2/NDF: 55.0/56

All: 173.034+/-195.429 χ^2/NDF: 201.3/115

- sign -1658.215+/-277.741 χ^2/NDF: 60.2/58

asym_usl_atl1_avg_rms vs Slug



Right In: 1645.480+/-0.255 χ^2/NDF: 580107.8/32

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1674.236+/-0.259 χ^2/NDF: 839513.5/35

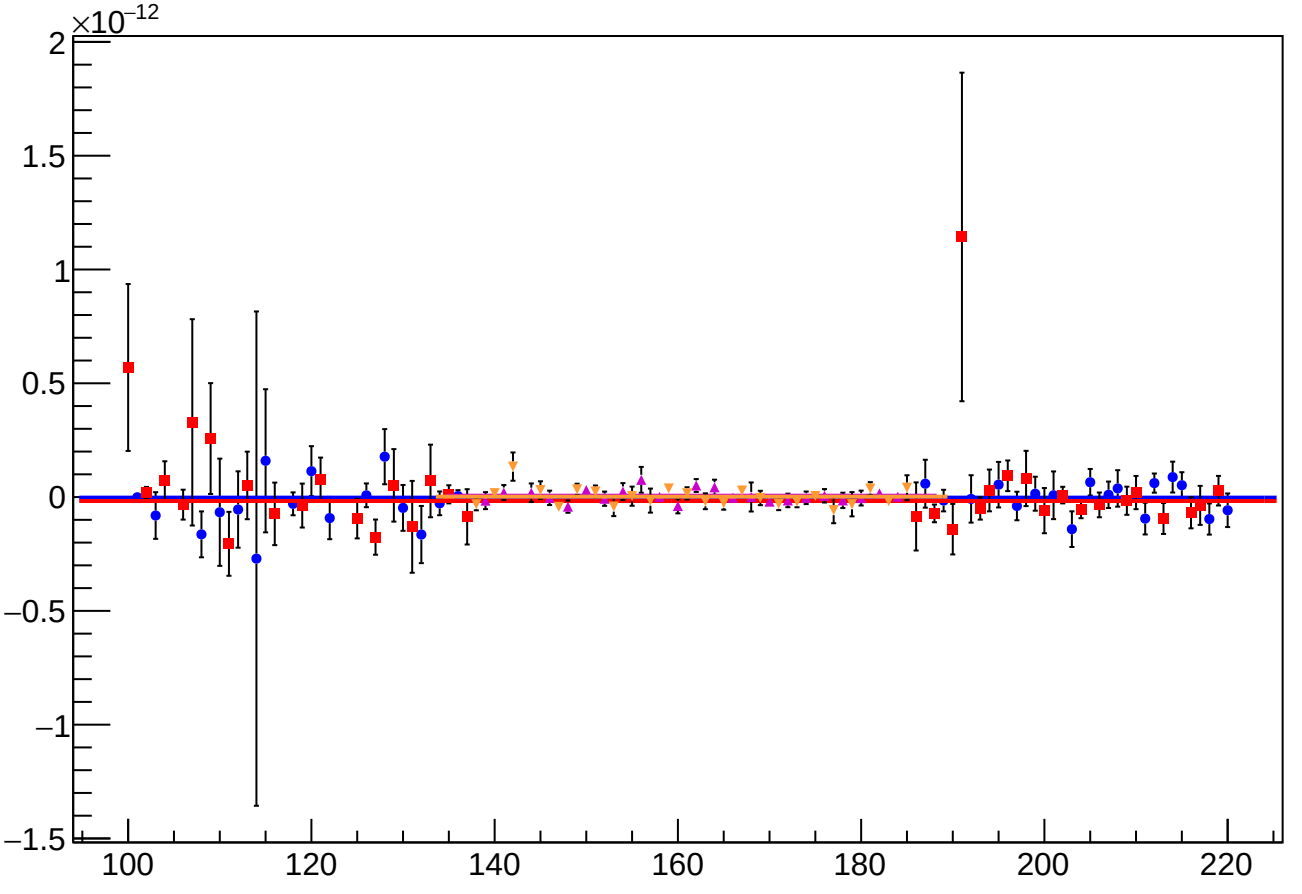
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1718.508+/-0.194 χ^2/NDF: 1069959.4/56

All: 1726.596+/-0.138 χ^2/NDF: 2349388.9/11

- sign 1734.844+/-0.196 χ^2/NDF: 1275936.3/58

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

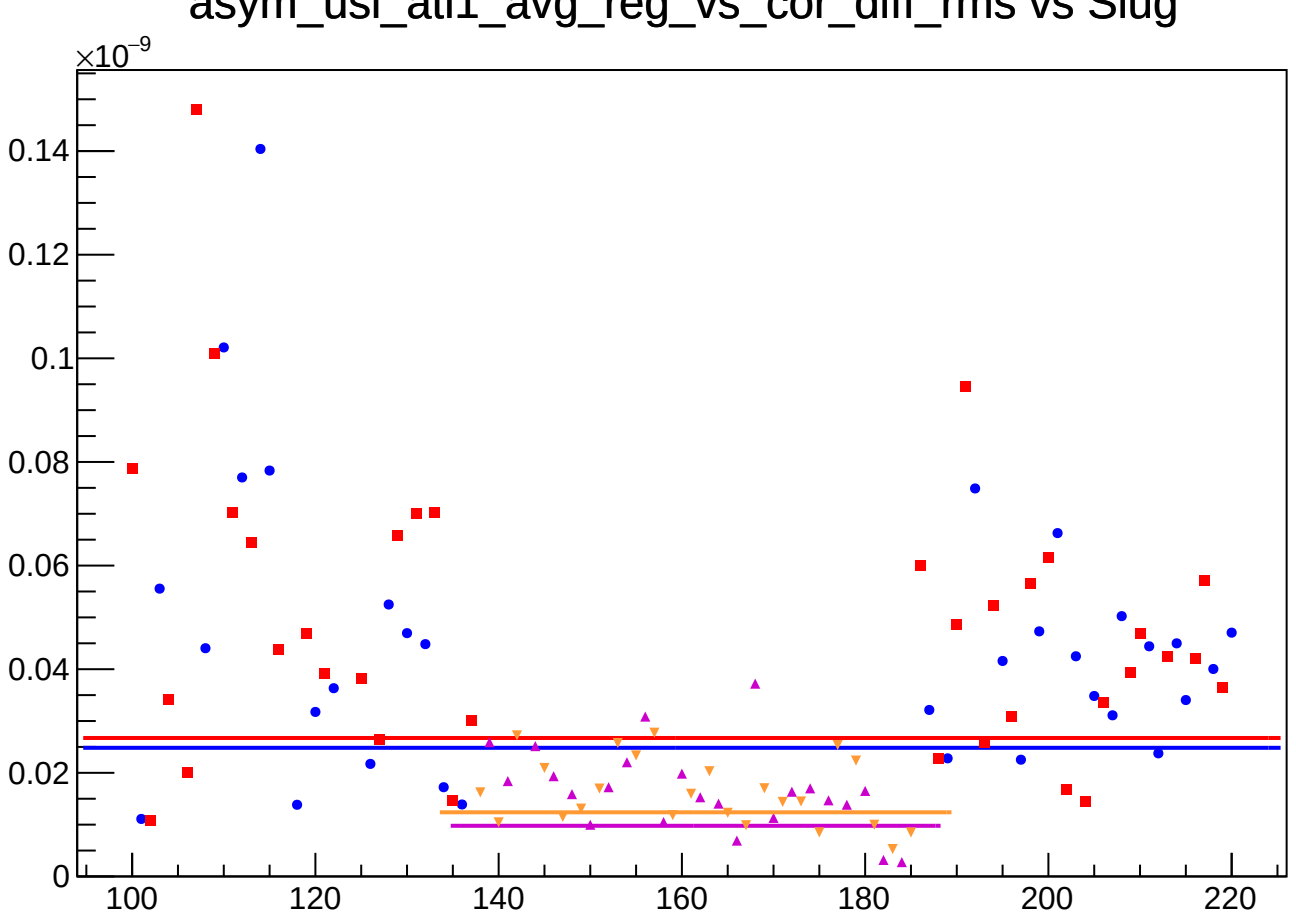
Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/35

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.0/56

All: 0.000+/-0.000 χ^2/NDF: 108.9/115

- sign 0.000+/-0.000 χ^2/NDF: 53.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 4555511.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4136110.1/35

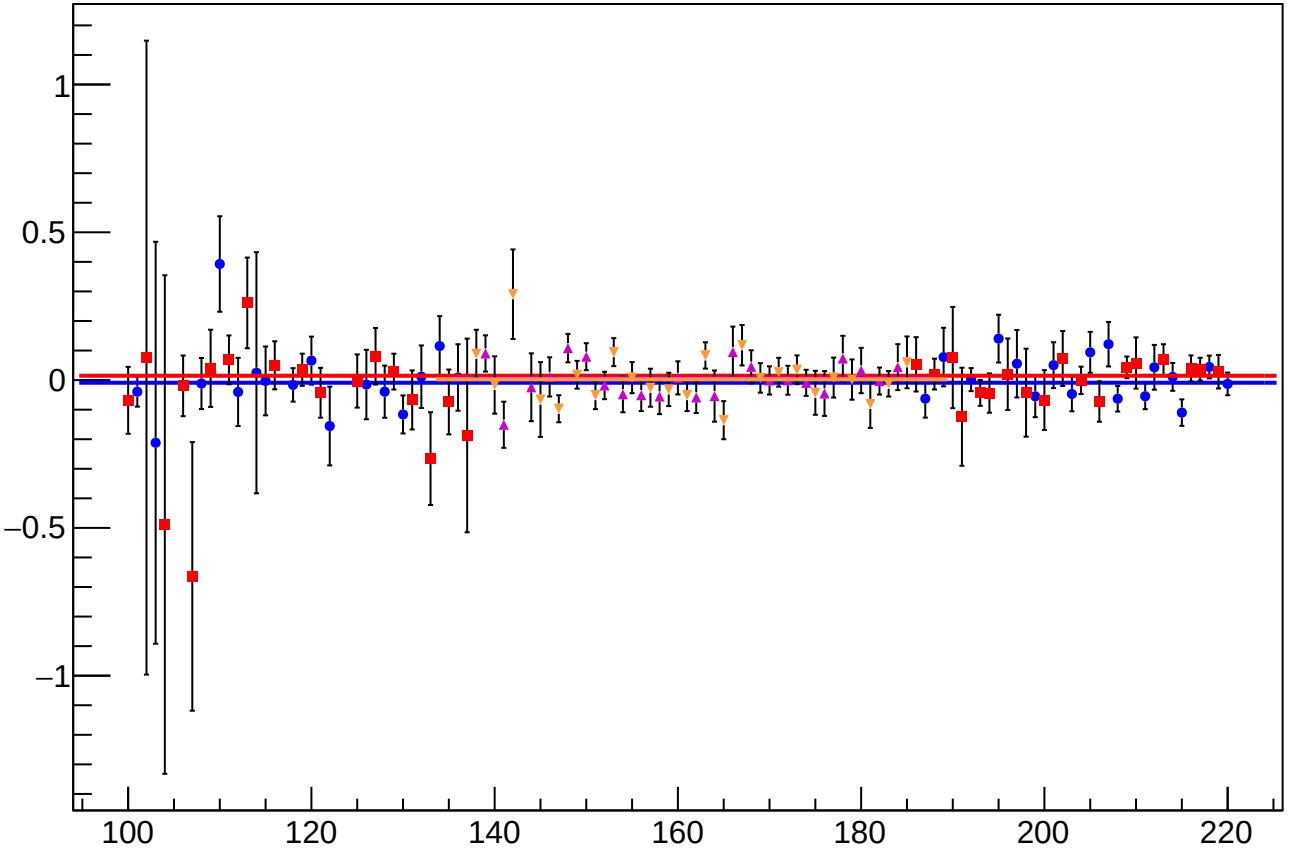
Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8809821.0/56

All: 0.000+/-0.000 χ^2/NDF: 21810441.7/115

- sign 0.000+/-0.000 χ^2/NDF: 12635526.2/58

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/32

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.015+/-0.012 χ^2/NDF: 21.7/35

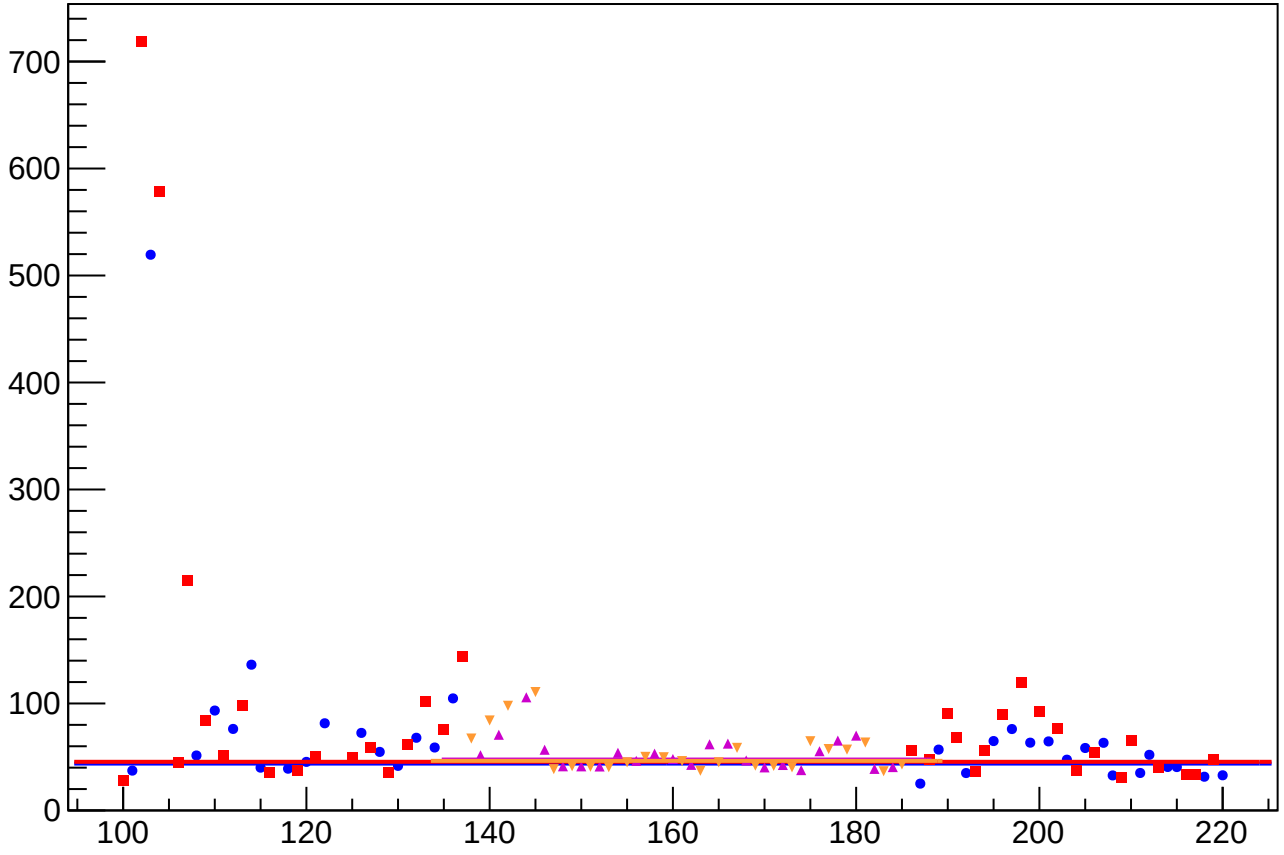
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.003+/-0.008 χ^2/NDF: 65.9/56

All: 0.003+/-0.006 χ^2/NDF: 110.8/115

- sign 0.010+/-0.009 χ^2/NDF: 43.6/58

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 43.821+/-0.008 χ^2/NDF: 4291841.5/32

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

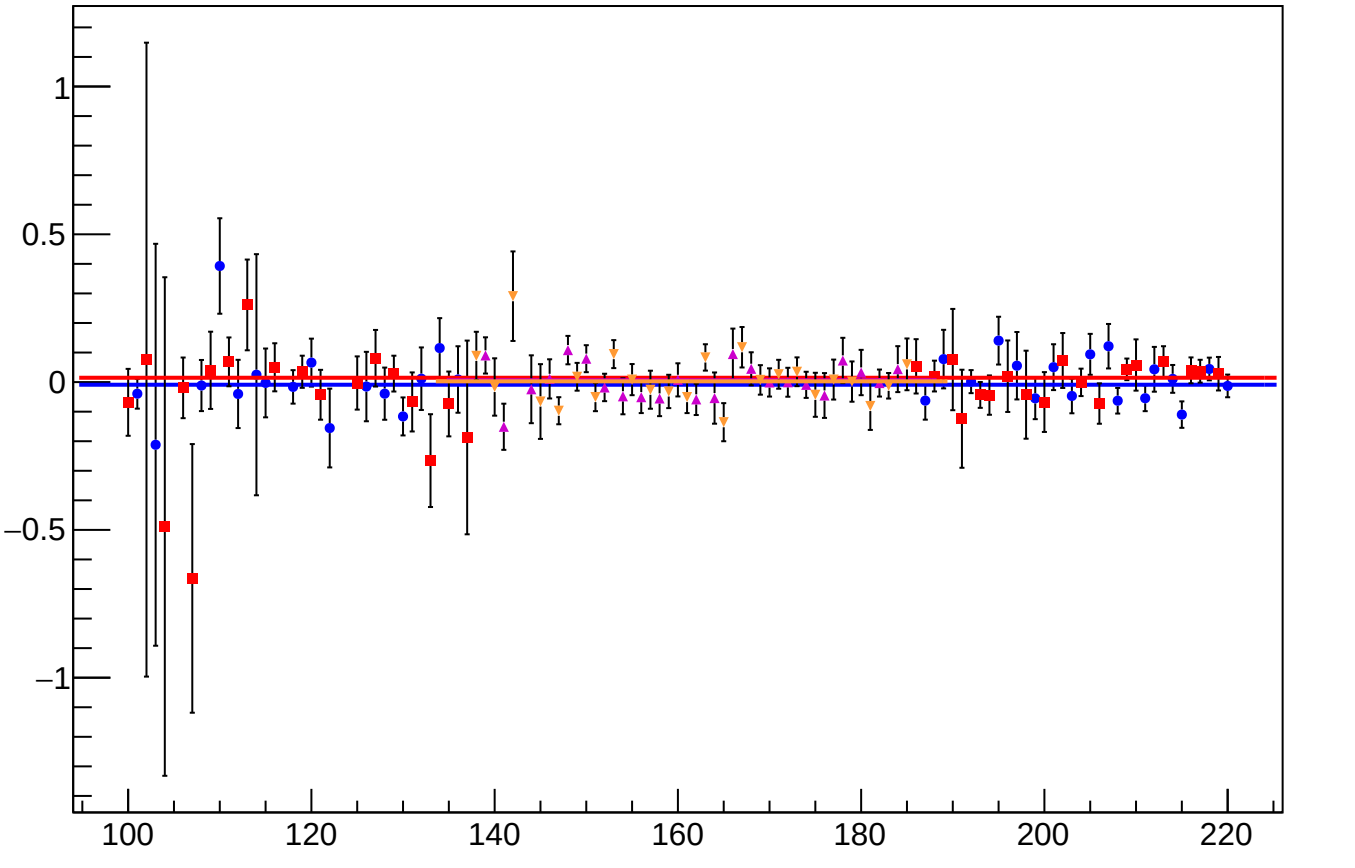
Right Out: 45.477+/-0.009 χ^2/NDF: 5801053.2/35

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 45.028+/-0.006 χ^2/NDF: 6307059.1/56

All: 45.743+/-0.004 χ^2/NDF: 13746057.5/115

- sign 46.521+/-0.006 χ^2/NDF: 7407308.0/58



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/32

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.015+/-0.012 χ^2/NDF: 21.7/35

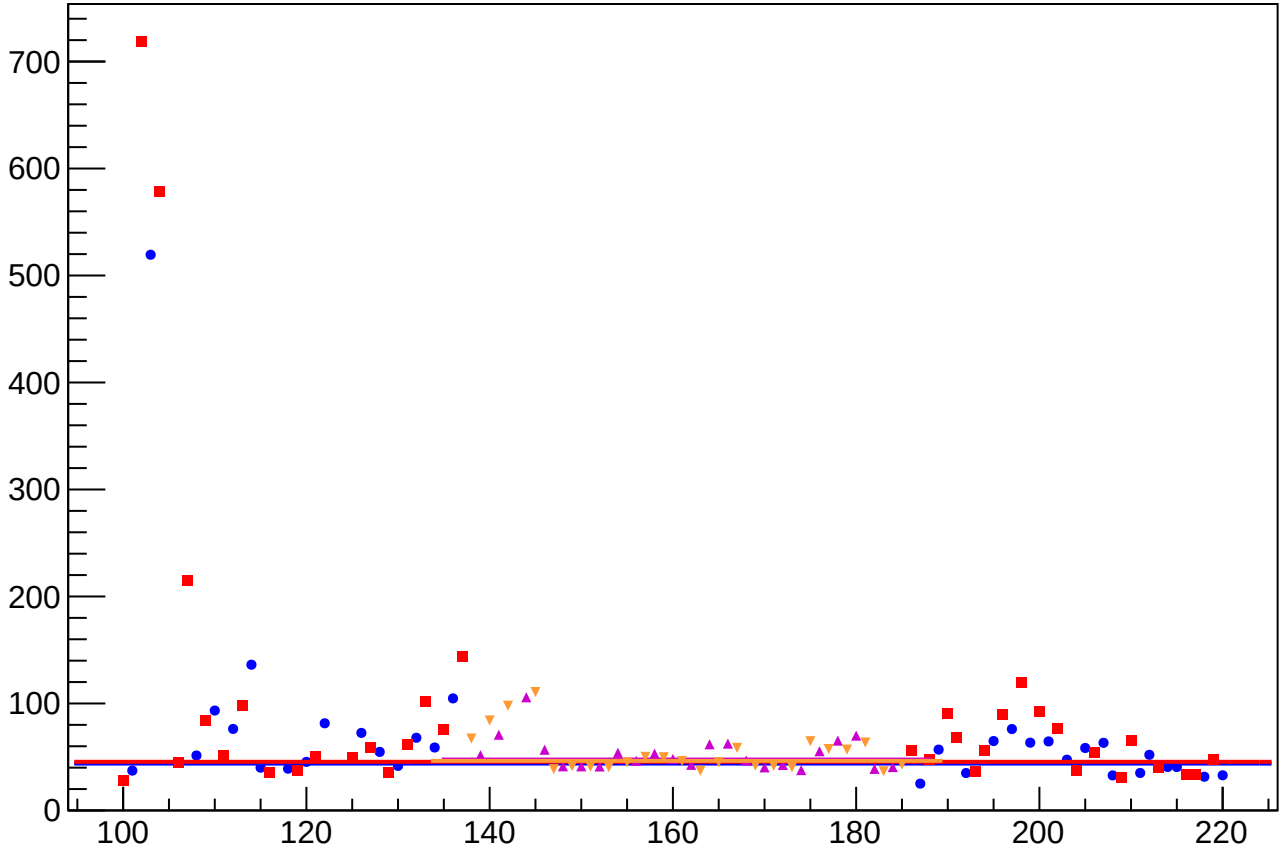
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.003+/-0.008 χ^2/NDF: 65.9/56

All: 0.003+/-0.006 χ^2/NDF: 110.8/115

- sign 0.010+/-0.009 χ^2/NDF: 43.6/58

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 43.821+/-0.008 χ^2/NDF: 4291841.5/32

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

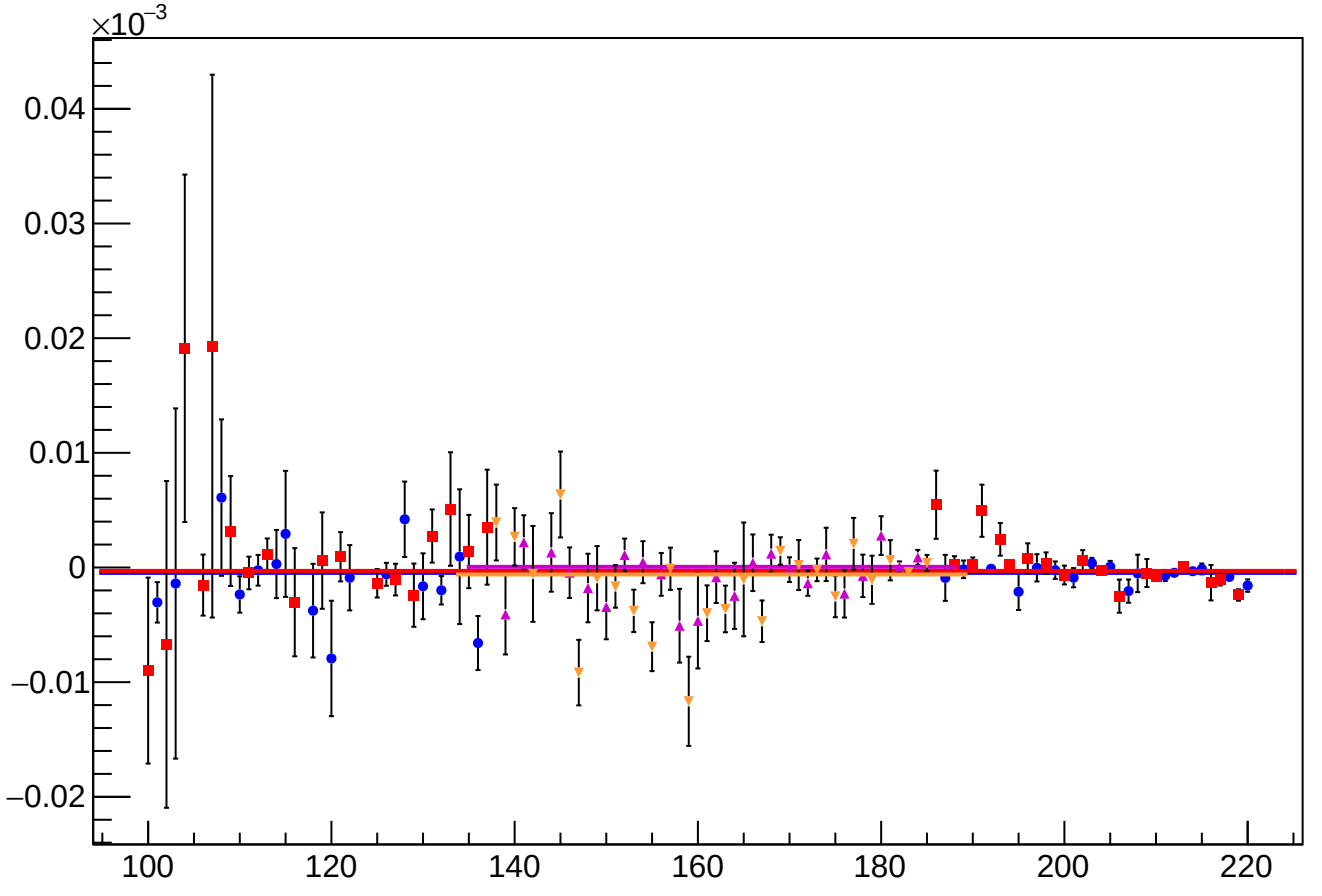
Right Out: 45.477+/-0.009 χ^2/NDF: 5801053.2/35

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 45.028+/-0.006 χ^2/NDF: 6307059.1/56

All: 45.743+/-0.004 χ^2/NDF: 13746057.5/115

- sign 46.521+/-0.006 χ^2/NDF: 7407308.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 33.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

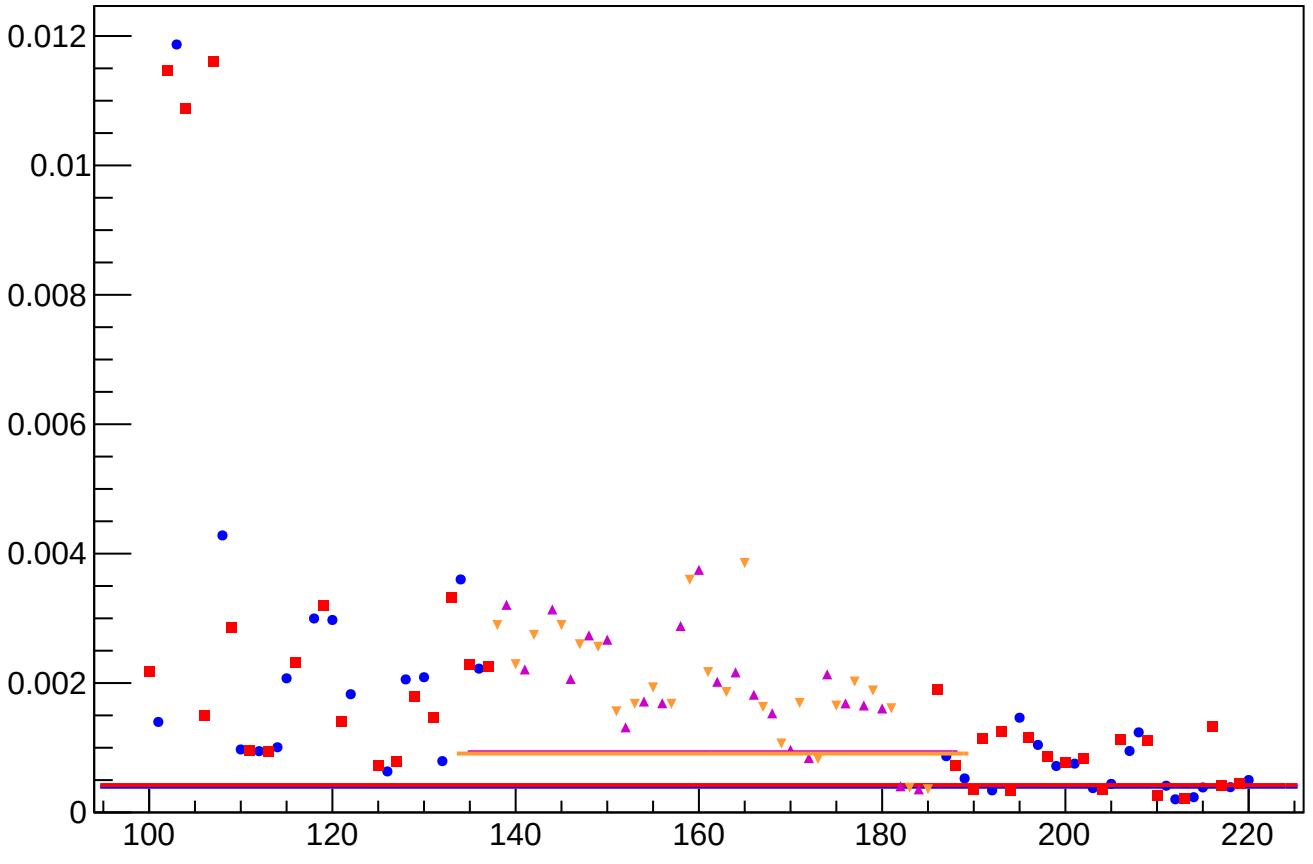
Right Out: -0.000+/-0.000 χ^2/NDF: 58.7/35

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

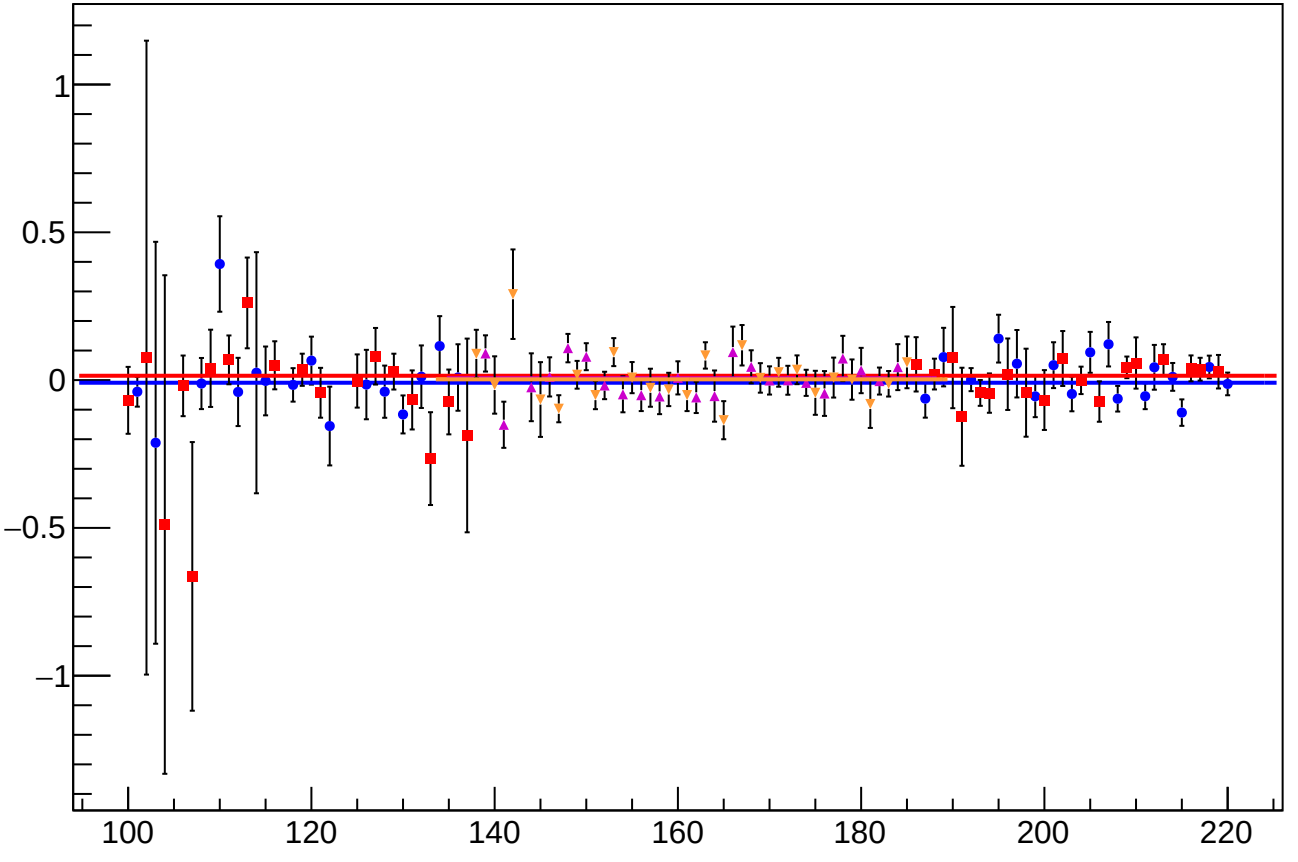
+ sign -0.000+/-0.000 χ^2/NDF: 88.1/56

All: -0.000+/-0.000 χ^2/NDF: 168.6/115

- sign -0.000+/-0.000 χ^2/NDF: 77.9/58


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
220
Right In: 0.000+/-0.000 χ²/NDF: 14258612.0/32
Left Out: 0.001+/-0.000 χ²/NDF:14137356.3/23
Right Out: 0.000+/-0.000 χ²/NDF: 16248142.1/35
Left In: 0.001+/-0.000 χ²/NDF:13690985.6/22
+ sign 0.000+/-0.000 χ²/NDF: 34216770.0/56
All: 0.000+/-0.000 χ²/NDF: 69679514.6/115
- sign 0.001+/-0.000 χ²/NDF: 35366481.4/58

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.011 χ^2/NDF: 35.5/32

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: 0.015+/-0.012 χ^2/NDF: 21.7/35

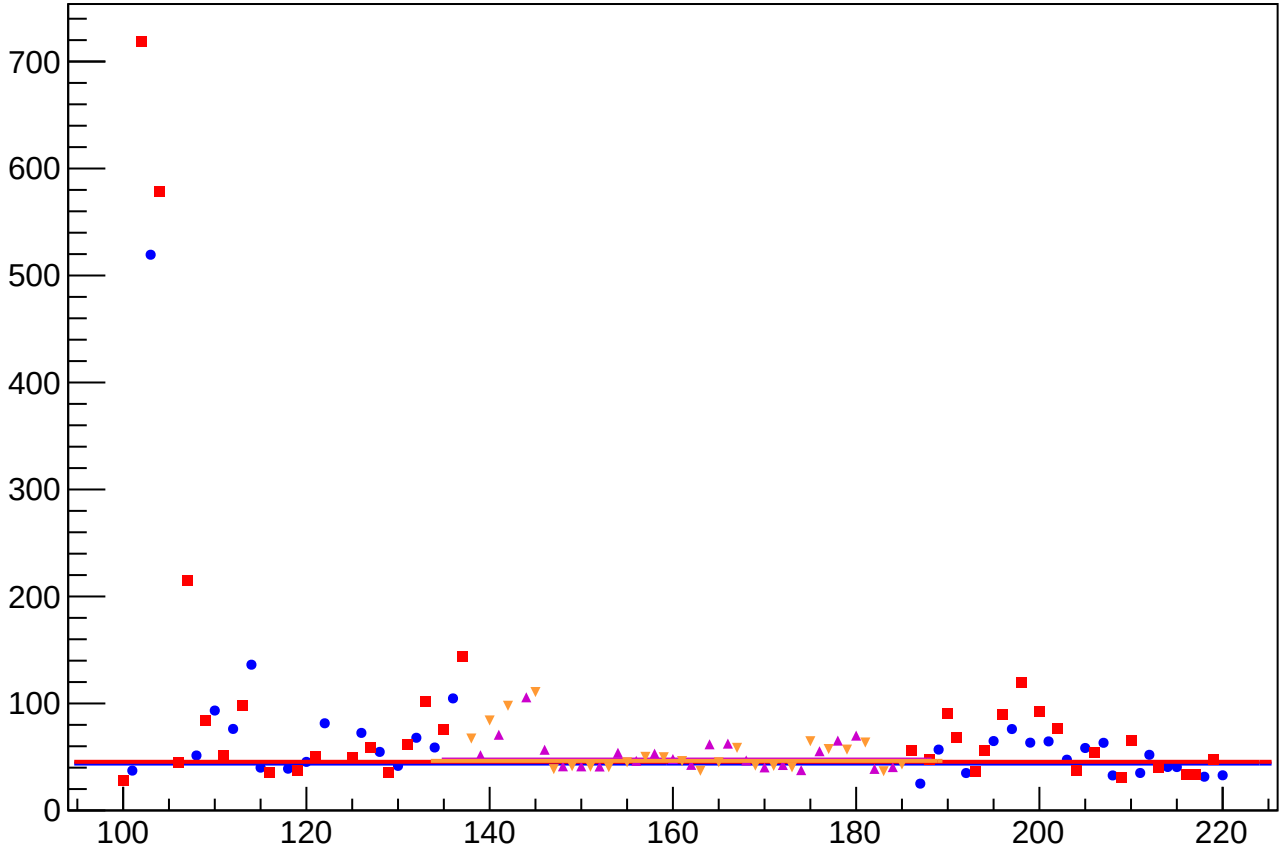
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign -0.003+/-0.008 χ^2/NDF: 65.9/56

All: 0.003+/-0.006 χ^2/NDF: 110.8/115

- sign 0.010+/-0.009 χ^2/NDF: 43.6/58

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 43.821+/-0.008 χ^2/NDF: 4291854.9/32

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

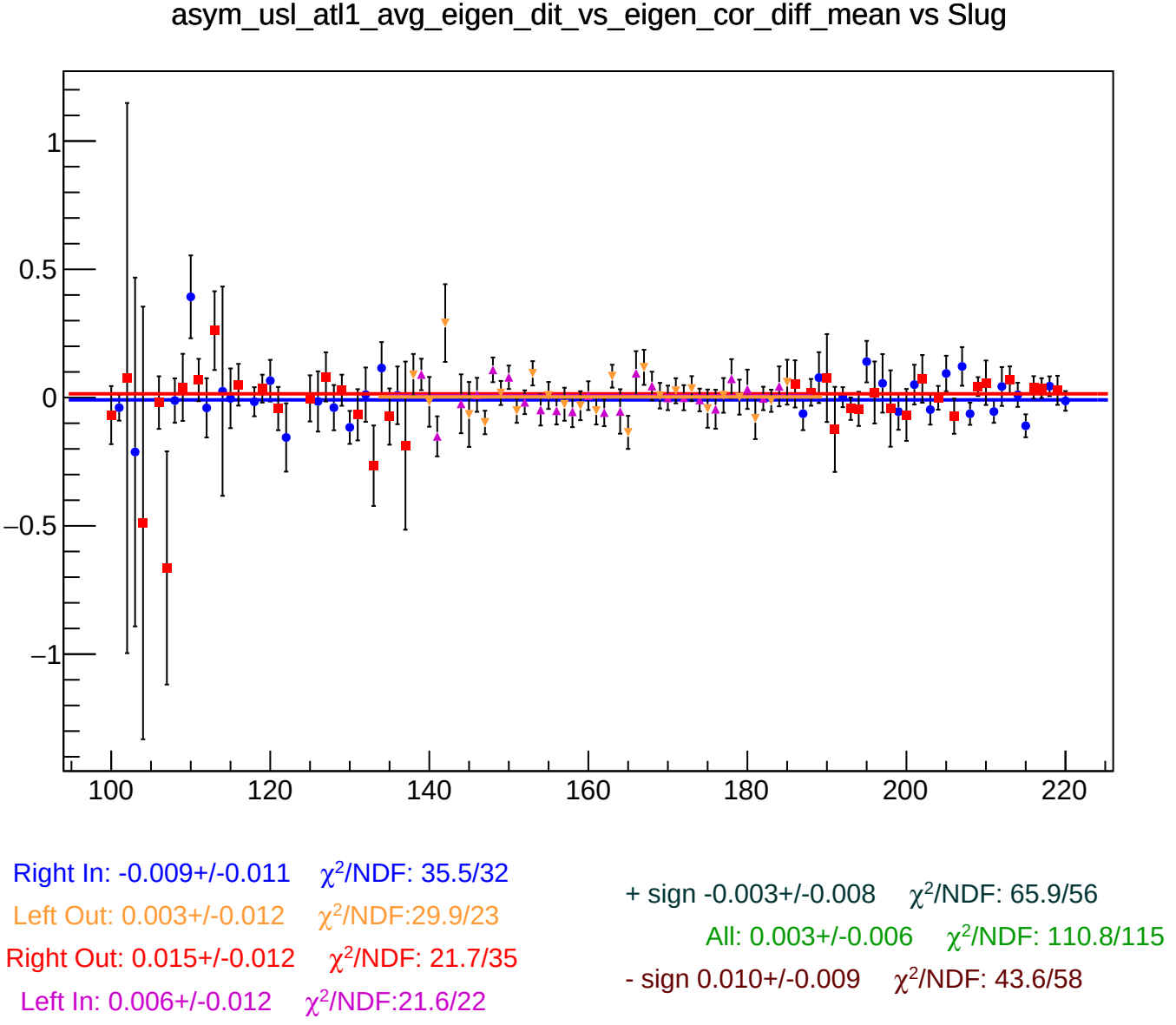
Right Out: 45.477+/-0.009 χ^2/NDF: 5801056.9/35

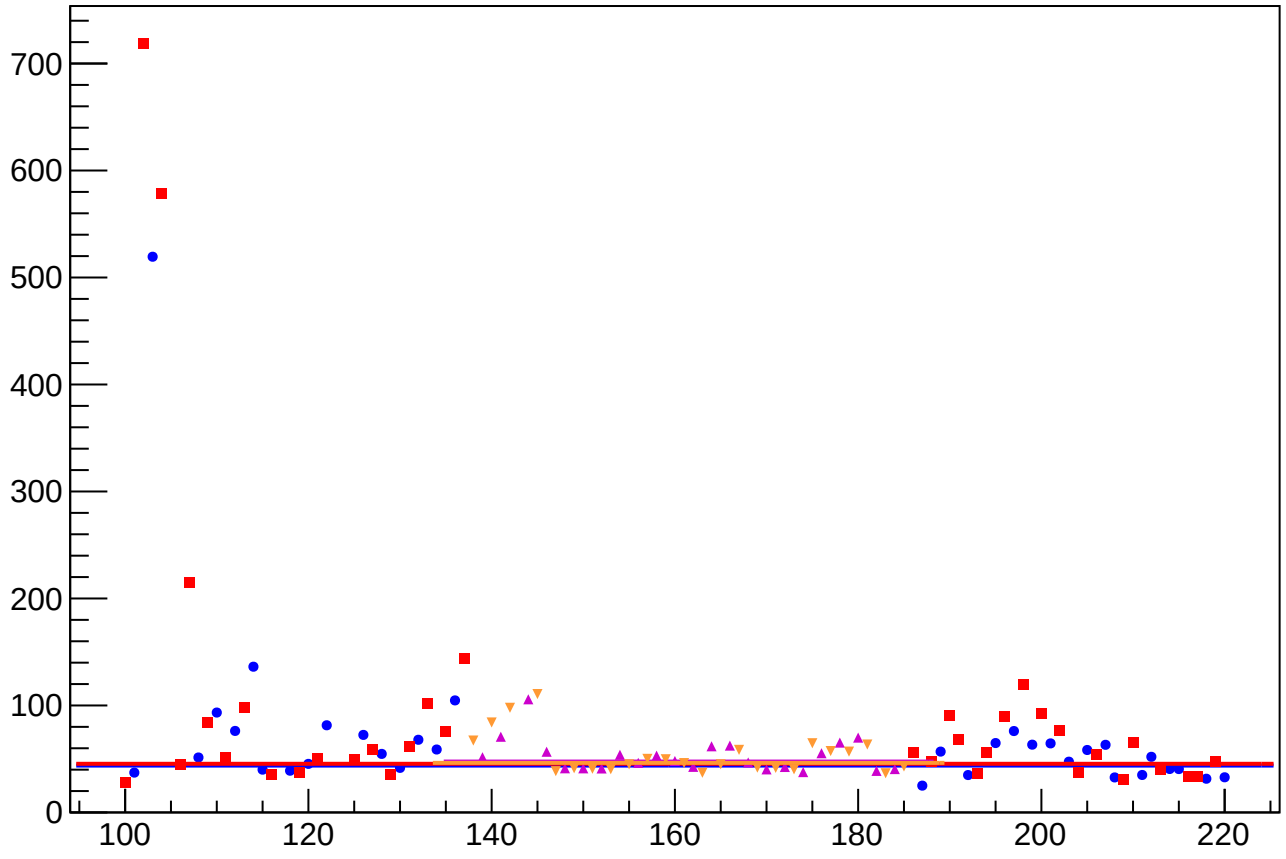
Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 45.028+/-0.006 χ^2/NDF: 6307067.2/56

All: 45.743+/-0.004 χ^2/NDF: 13746079.9/115

- sign 46.520+/-0.006 χ^2/NDF: 7407328.6/58


asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
100
120
140
160
180
200
220
Right In: -0.009+/-0.011 χ²/NDF: 35.5/32
Left Out: 0.003+/-0.012 χ²/NDF:29.9/23
Right Out: 0.015+/-0.012 χ²/NDF: 21.7/35
Left In: 0.006+/-0.012 χ²/NDF:21.6/22
+ sign -0.003+/-0.008 χ²/NDF: 65.9/56
All: 0.003+/-0.006 χ²/NDF: 110.8/115
- sign 0.010+/-0.009 χ²/NDF: 43.6/58



Right In: 43.821+/-0.008 χ^2/NDF: 4291854.9/32

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

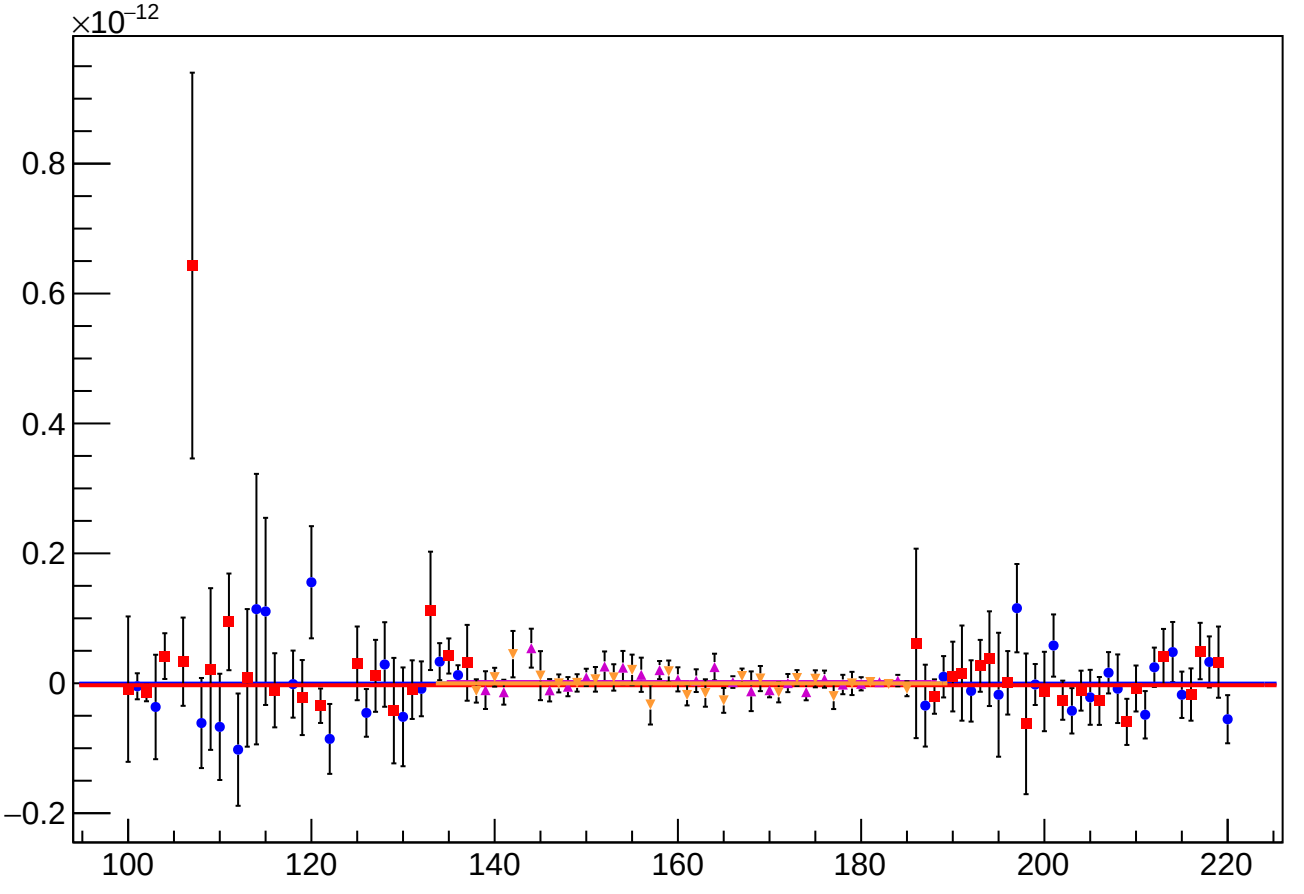
Right Out: 45.477+/-0.009 χ^2/NDF: 5801056.9/35

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 45.028+/-0.006 χ^2/NDF: 6307067.2/56

All: 45.743+/-0.004 χ^2/NDF: 13746079.9/115

- sign 46.520+/-0.006 χ^2/NDF: 7407328.6/58



Right In: -0.000+/-0.000 χ^2/NDF: 27.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

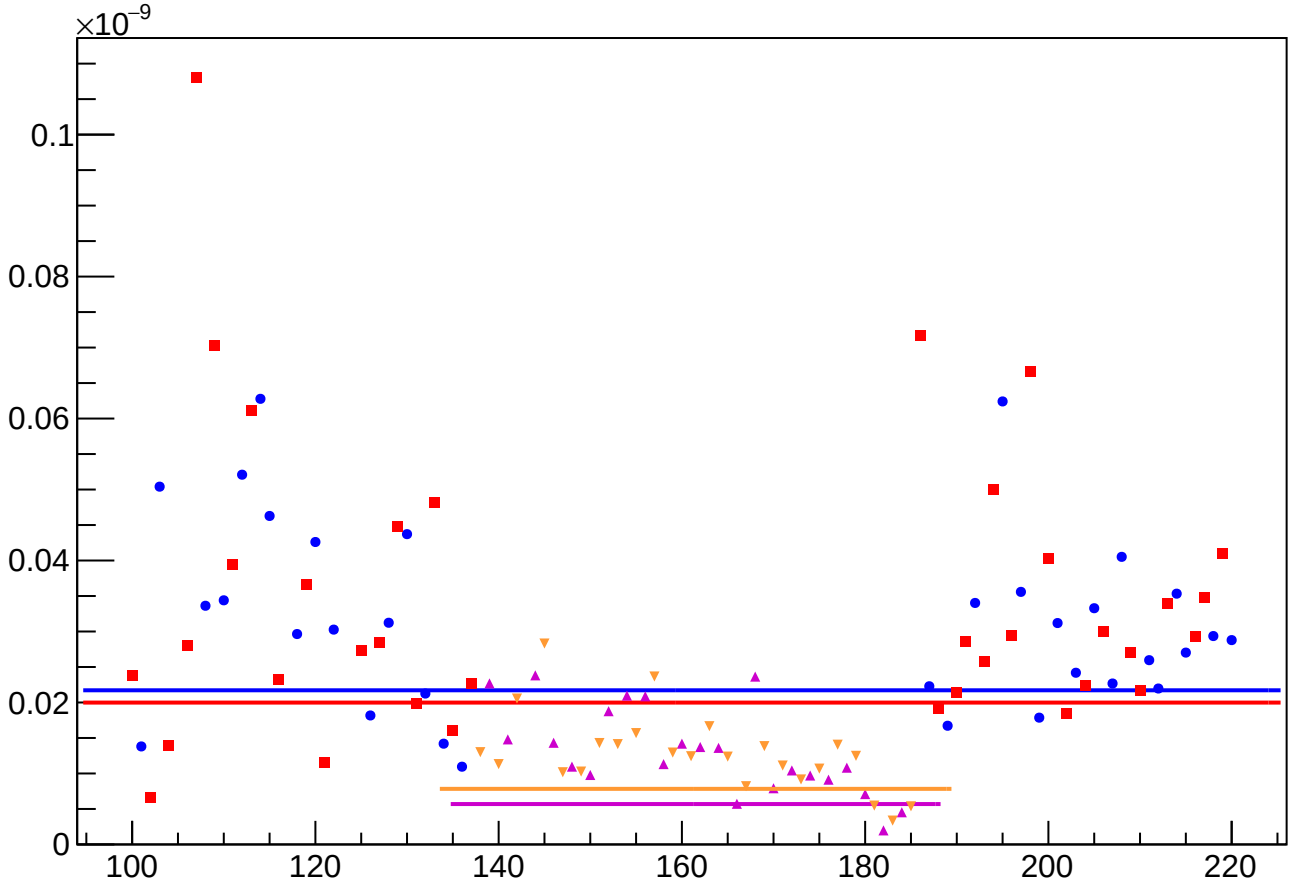
Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/35

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.5/56

All: 0.000+/-0.000 χ^2/NDF: 80.4/115

- sign 0.000+/-0.000 χ^2/NDF: 38.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 4189841.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6451556.9/35

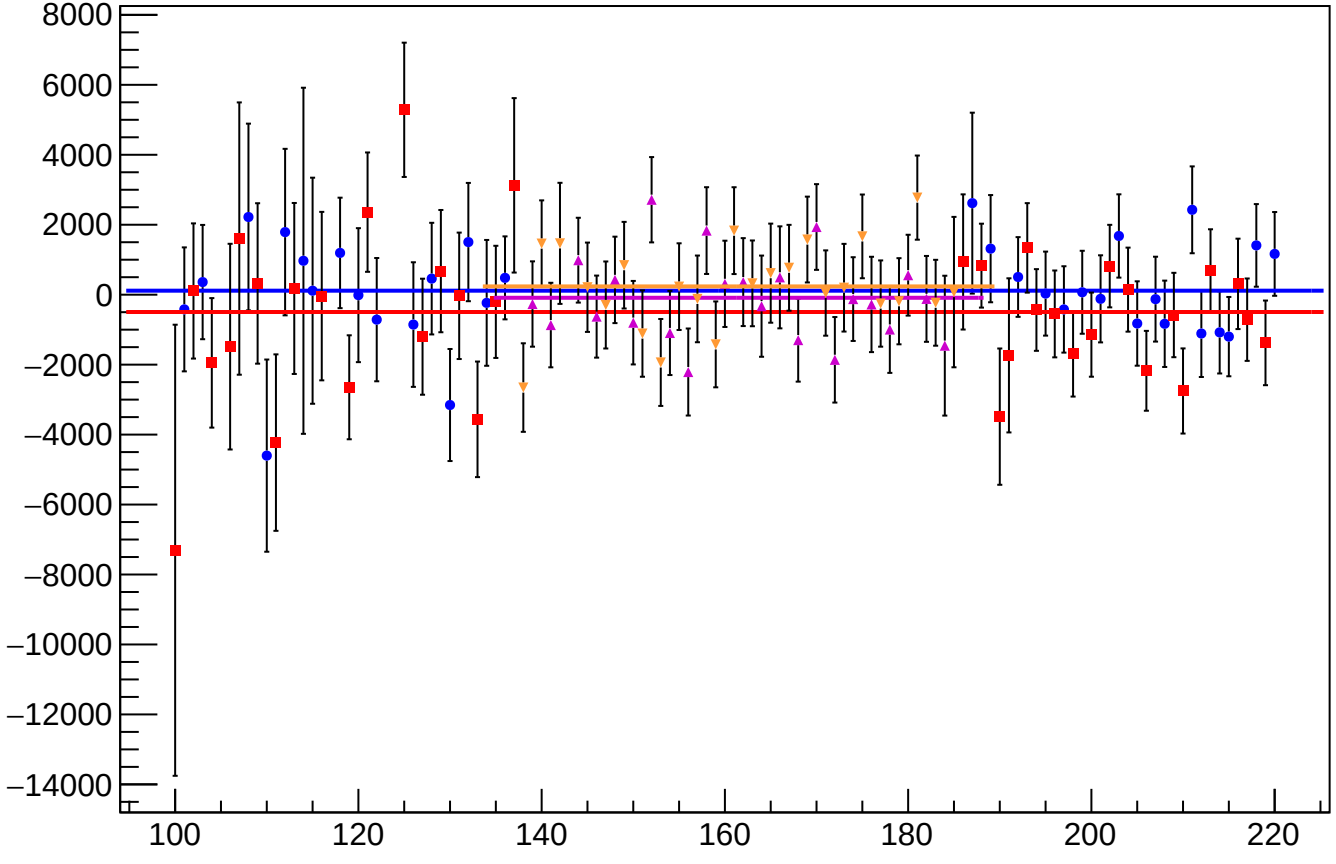
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 18025797.2/56

All: 0.000+/-0.000 χ^2/NDF: 45383222.8/115

- sign 0.000+/-0.000 χ^2/NDF: 26023592.7/58

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 114.622+/-252.112 χ^2/NDF: 23.9/32

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -494.992+/-254.120 χ^2/NDF: 41.8/35

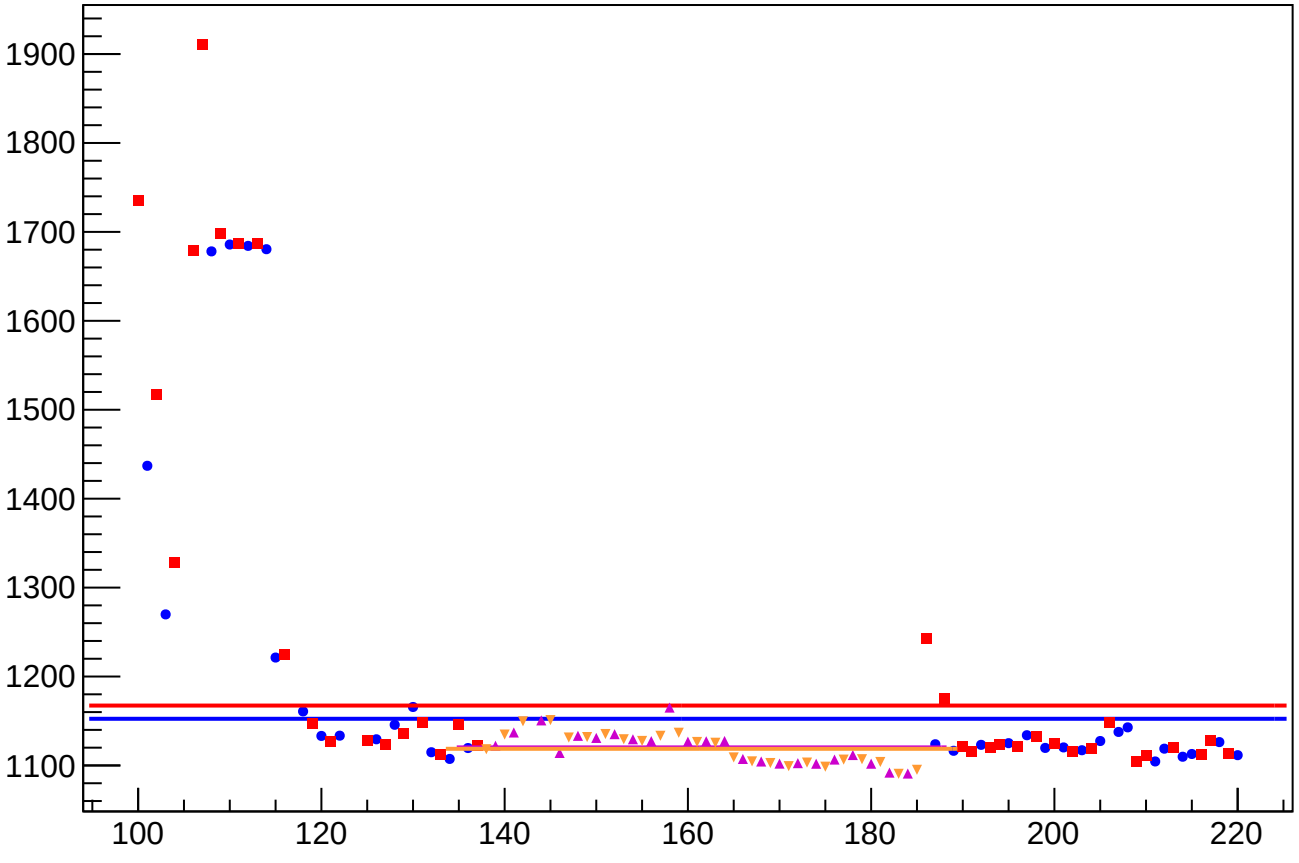
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 173.811+/-180.883 χ^2/NDF: 46.7/56

All: -60.076+/-128.394 χ^2/NDF: 114.0/115

- sign -297.584+/-182.278 χ^2/NDF: 63.9/58

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1152.480+/-0.178 χ^2/NDF: 365988.0/32

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1167.355+/-0.180 χ^2/NDF: 568892.0/35

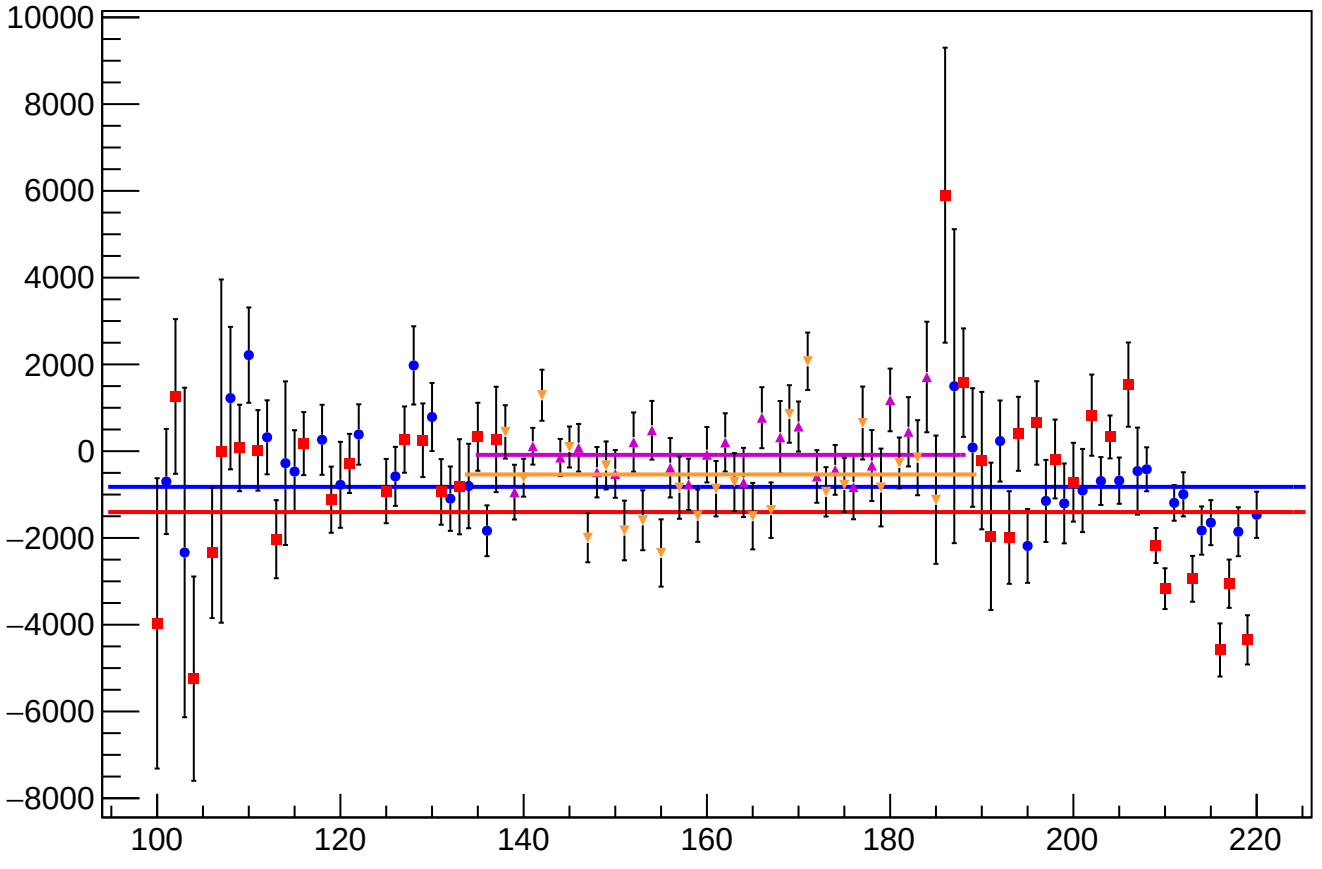
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1136.105+/-0.128 χ^2/NDF: 391581.0/56

All: 1140.277+/-0.091 χ^2/NDF: 1005378.3/11

- sign 1144.514+/-0.129 χ^2/NDF: 611652.4/58

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -822.538+/-127.262 χ^2/NDF: 50.7/32

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -1403.323+/-132.648 χ^2/NDF: 173.8/35

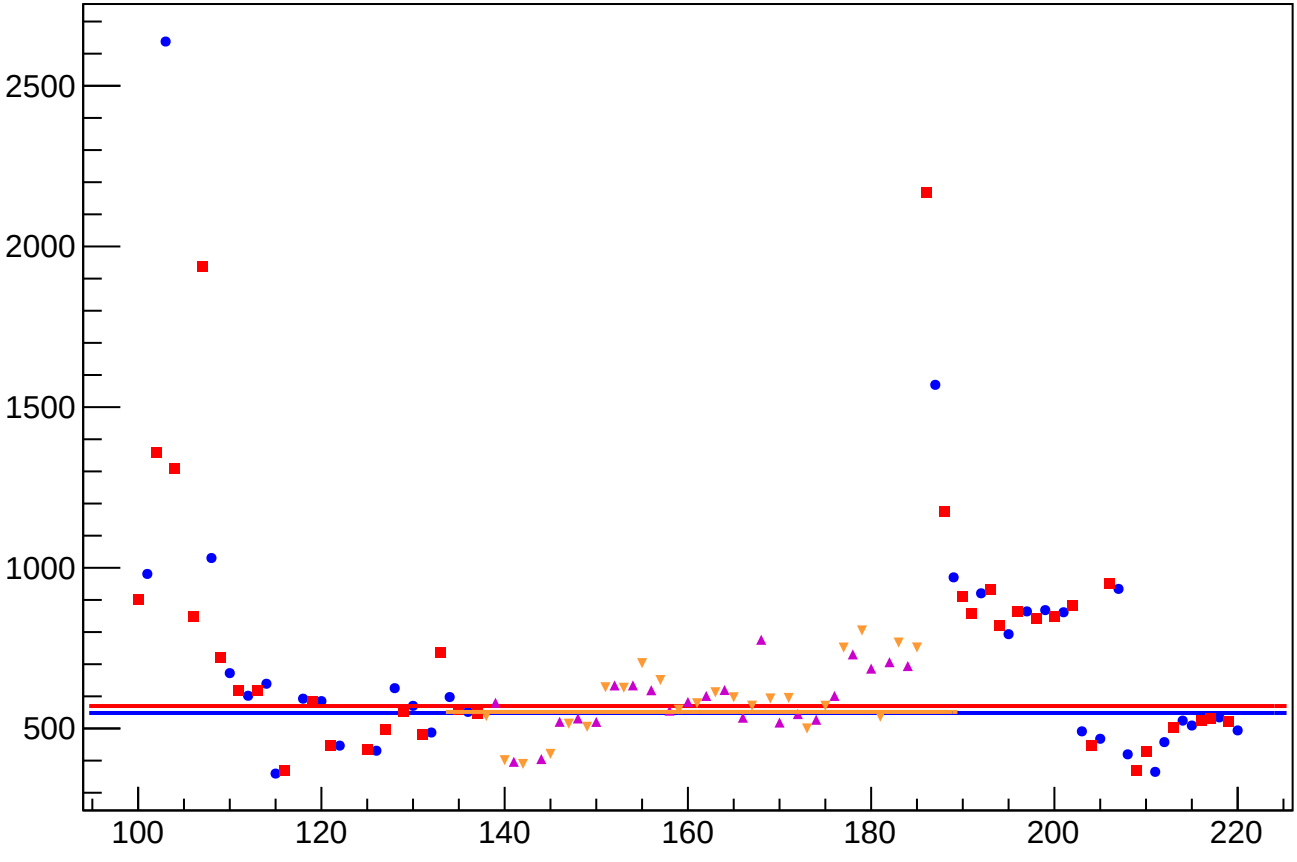
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

\+ sign -682.979+/-91.161 χ^2/NDF: 114.8/56

All: -708.845+/-65.168 χ^2/NDF: 355.9/115

\- sign -735.878+/-93.196 χ^2/NDF: 241.0/58

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 548.221+/-0.090 χ^2/NDF: 3799280.8/32

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 569.854+/-0.094 χ^2/NDF: 4773448.4/35

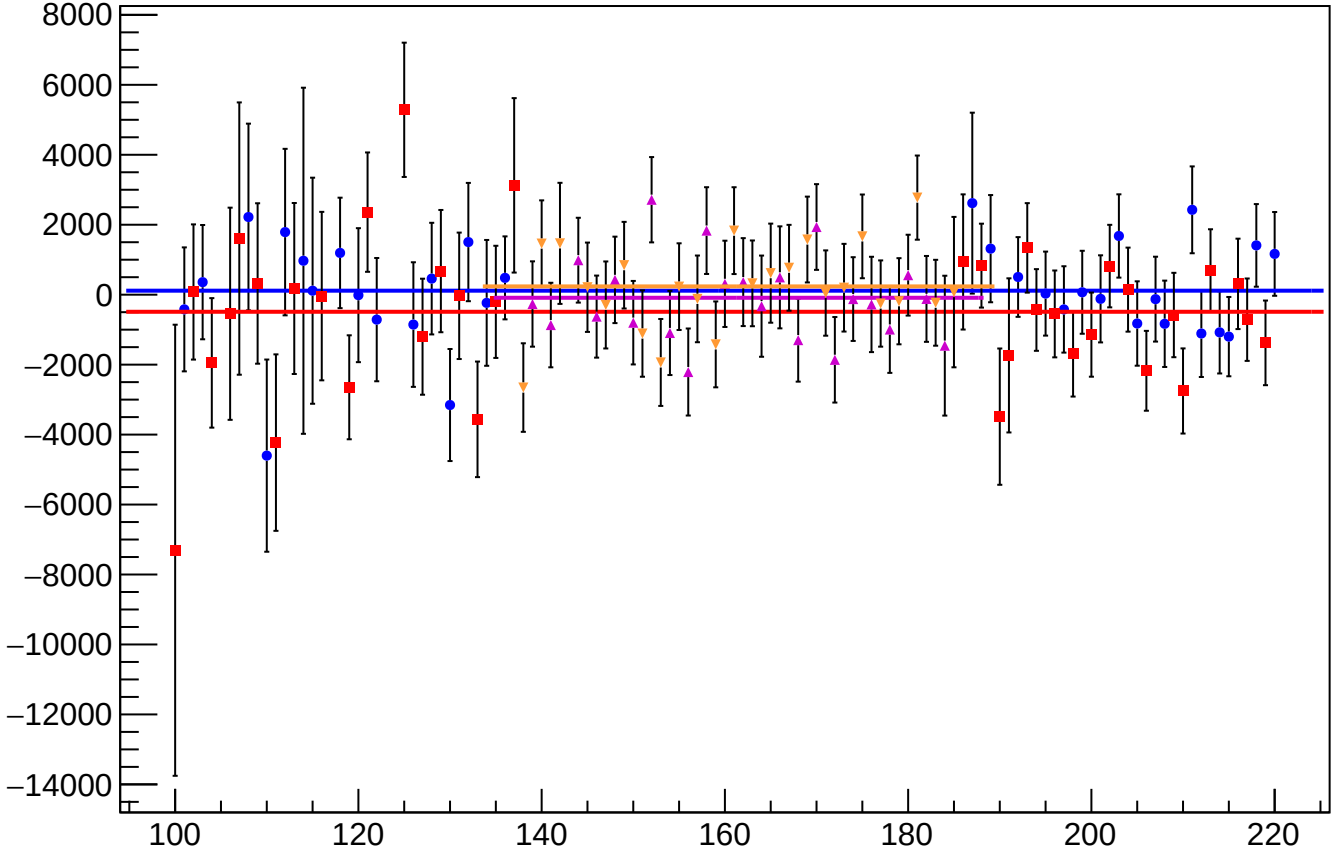
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 549.788+/-0.064 χ^2/NDF: 5026520.1/56

All: 555.015+/-0.046 χ^2/NDF: 10894912.2/11

- sign 560.477+/-0.066 χ^2/NDF: 5854948.9/58

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 114.511+/-252.112 χ^2/NDF: 23.9/32

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -488.462+/-254.178 χ^2/NDF: 41.6/35

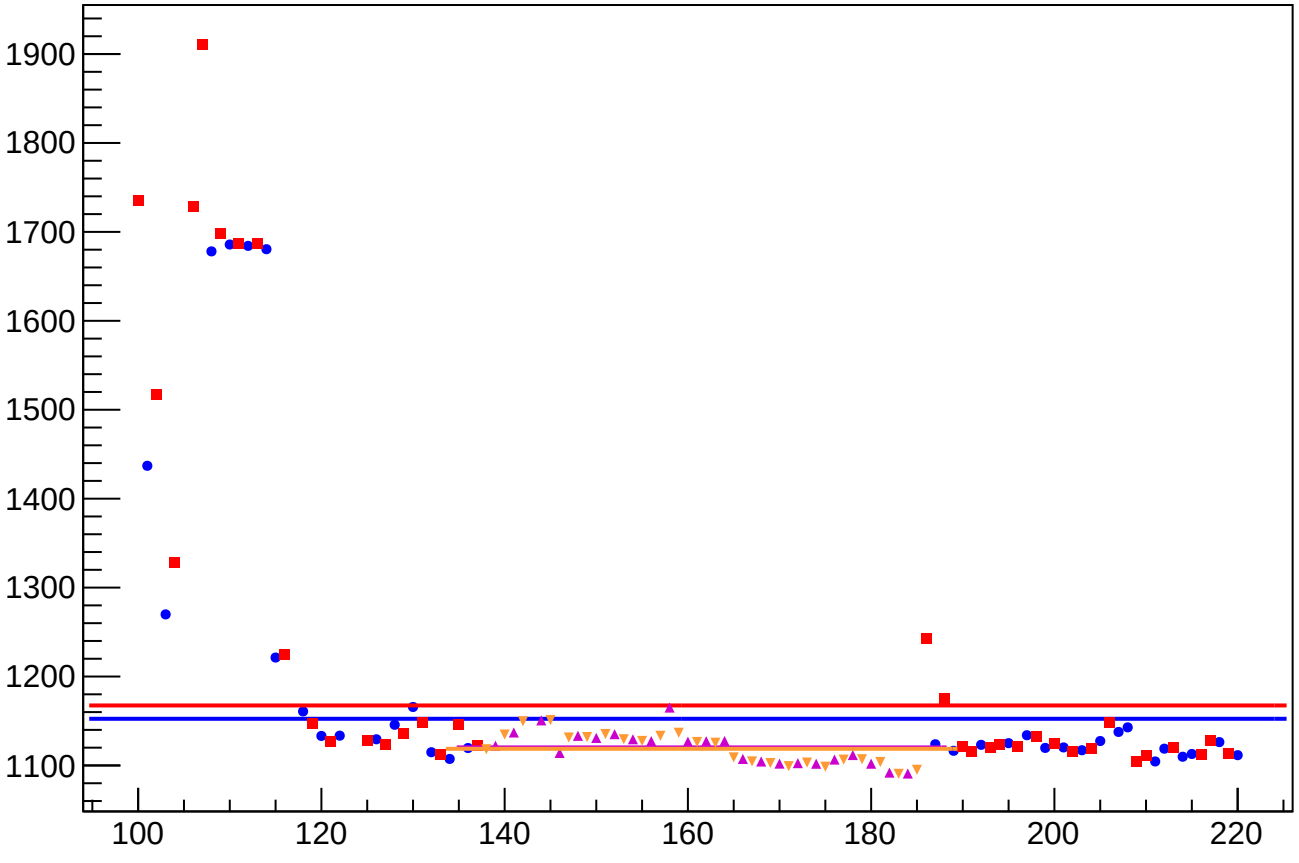
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 173.774+/-180.883 χ^2/NDF: 46.7/56

All: -58.375+/-128.401 χ^2/NDF: 113.7/115

- sign -294.174+/-182.299 χ^2/NDF: 63.7/58

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1152.480+/-0.178 χ^2/NDF: 365988.1/32

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1167.477+/-0.180 χ^2/NDF: 576920.2/35

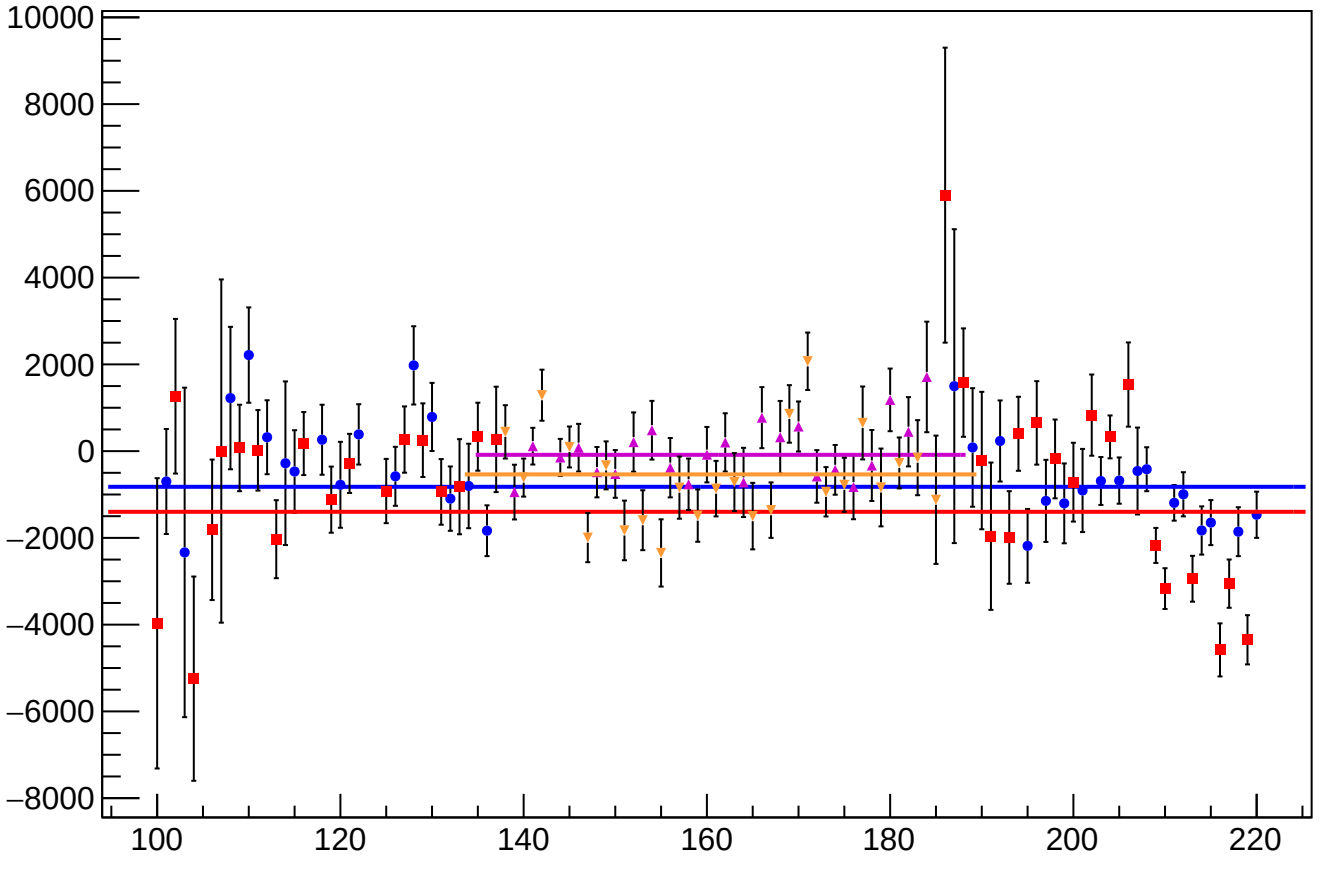
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1136.105+/-0.128 χ^2/NDF: 391581.1/56

All: 1140.305+/-0.091 χ^2/NDF: 1013600.9/11

- sign 1144.571+/-0.129 χ^2/NDF: 619845.8/58

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -822.532+/-127.261 χ^2/NDF: 50.7/32

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -1398.699+/-132.720 χ^2/NDF: 173.5/35

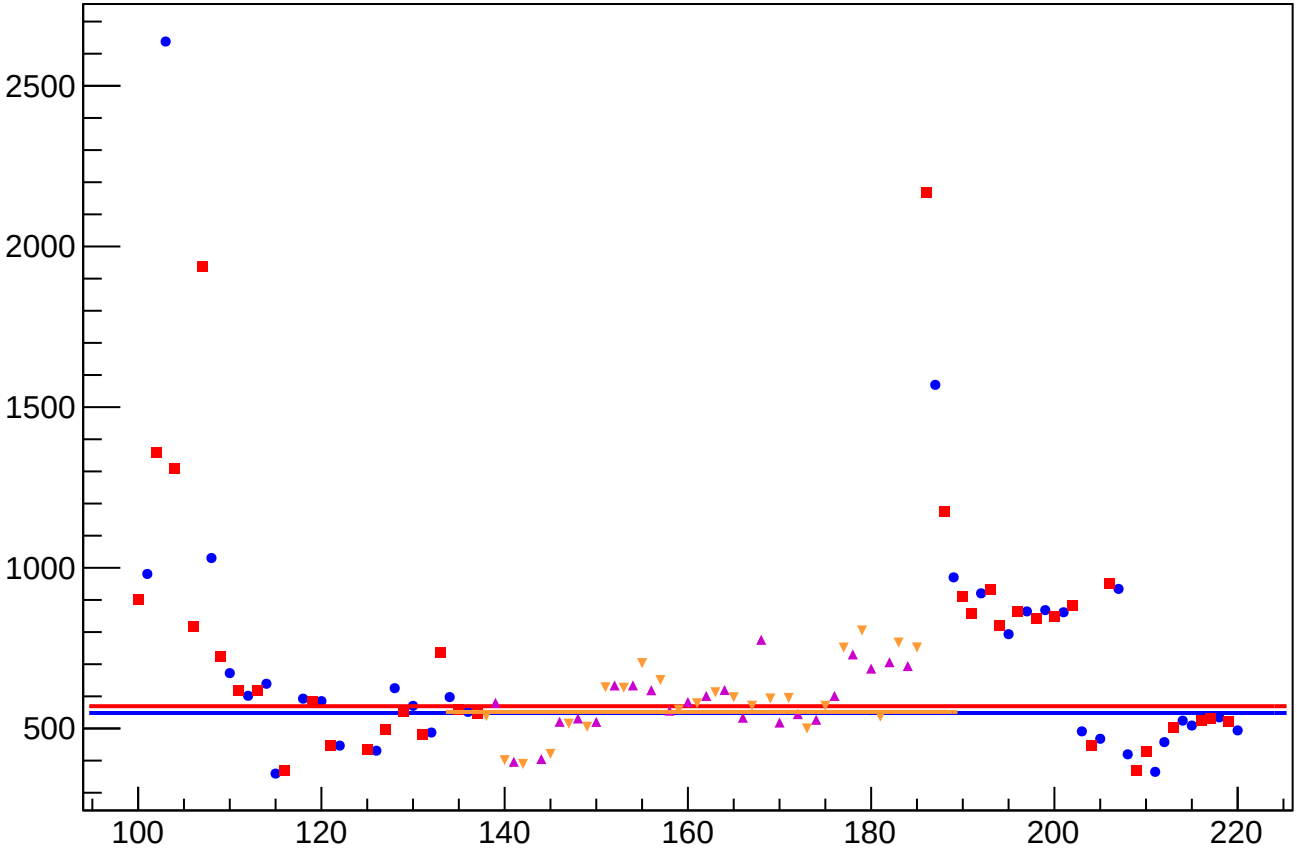
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

\+ sign -682.992+/-91.160 χ^2/NDF: 114.8/56

All: -707.551+/-65.176 χ^2/NDF: 355.2/115

\- sign -733.234+/-93.221 χ^2/NDF: 240.3/58

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 548.219+/-0.090 χ^2/NDF: 3799256.0/32

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 569.336+/-0.094 χ^2/NDF: 4751801.3/35

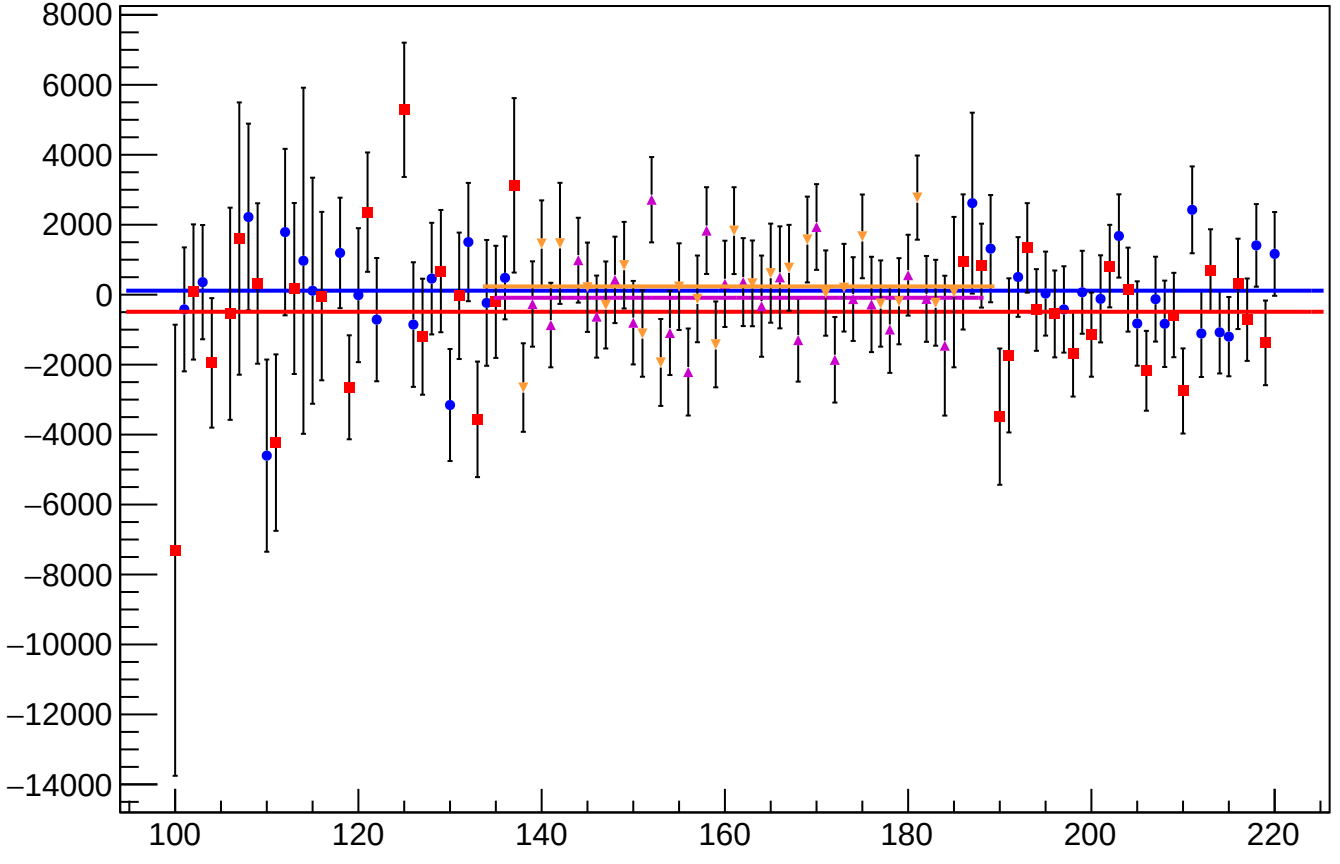
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 549.787+/-0.064 χ^2/NDF: 5026511.6/56

All: 554.885+/-0.046 χ^2/NDF: 10871479.1/11

- sign 560.216+/-0.066 χ^2/NDF: 5832172.4/58

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 114.511+/-252.112 χ^2/NDF: 23.9/32

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -488.462+/-254.178 χ^2/NDF: 41.6/35

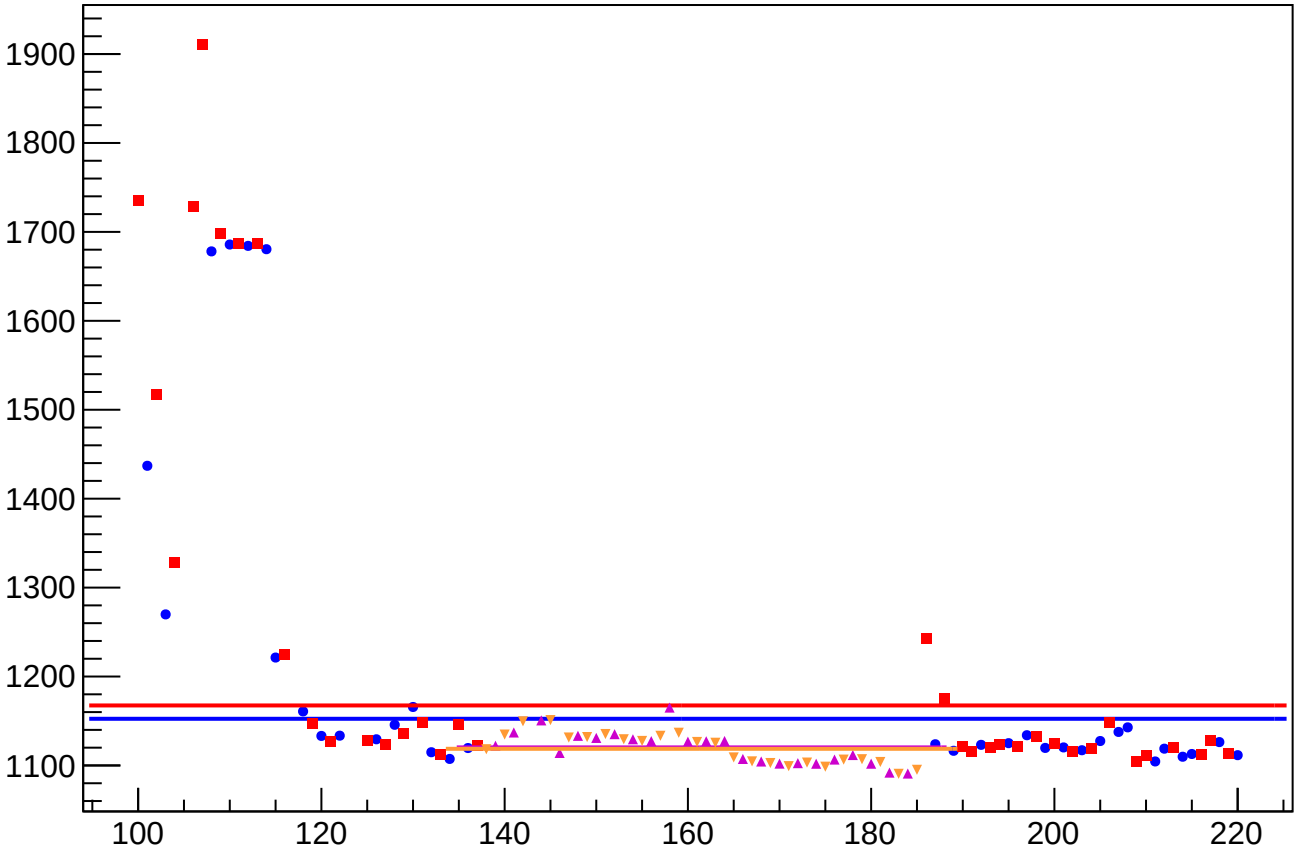
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 173.774+/-180.883 χ^2/NDF: 46.7/56

All: -58.375+/-128.401 χ^2/NDF: 113.7/115

- sign -294.174+/-182.299 χ^2/NDF: 63.7/58

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1152.480+/-0.178 χ^2/NDF: 365988.1/32

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

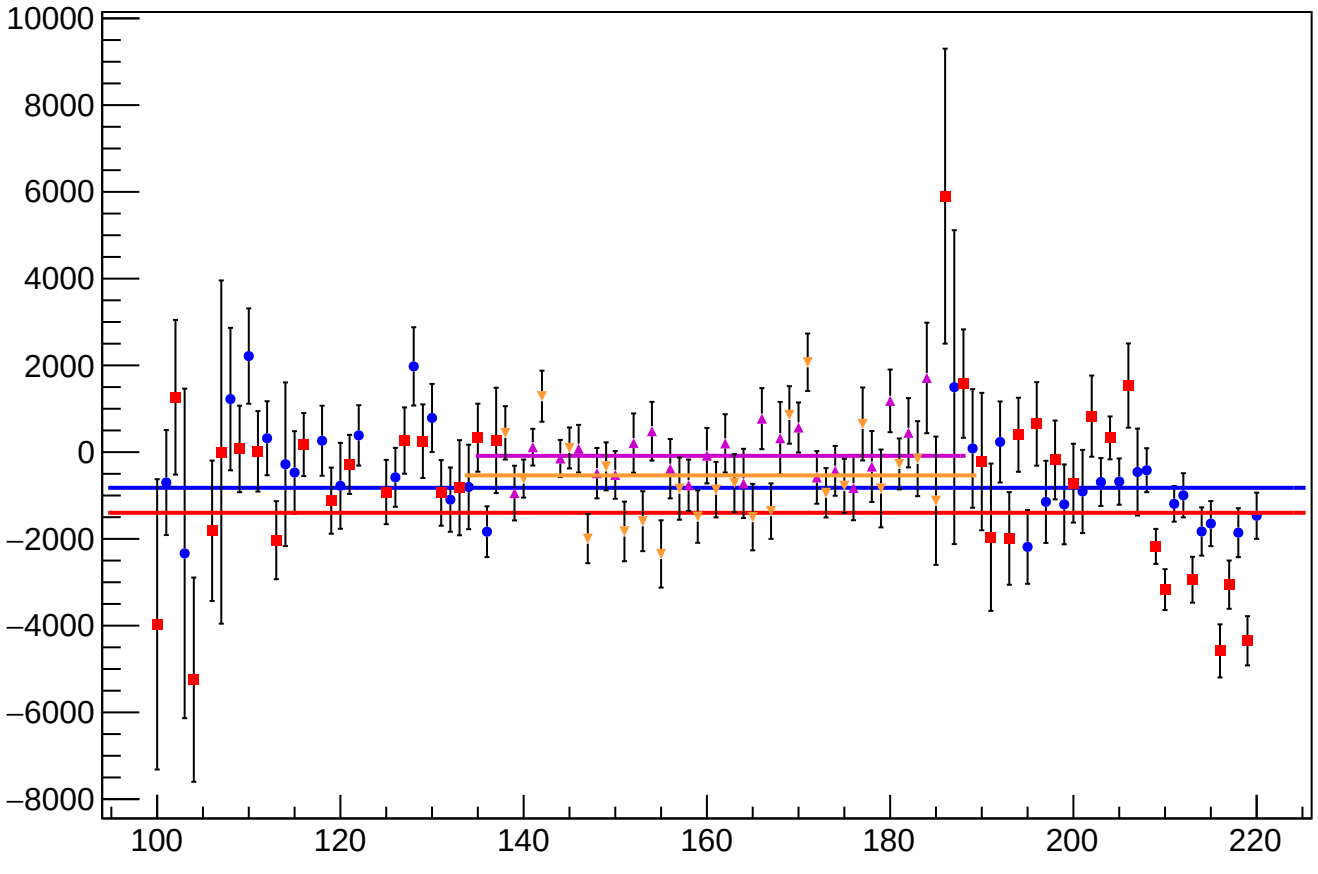
Right Out: 1167.477+/-0.180 χ^2/NDF: 576920.2/35

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1136.105+/-0.128 χ^2/NDF: 391581.1/56

All: 1140.305+/-0.091 χ^2/NDF: 1013600.9/11

- sign 1144.571+/-0.129 χ^2/NDF: 619845.8/58



Right In: -822.532+/-127.261 χ^2/NDF: 50.7/32

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -1398.699+/-132.720 χ^2/NDF: 173.5/35

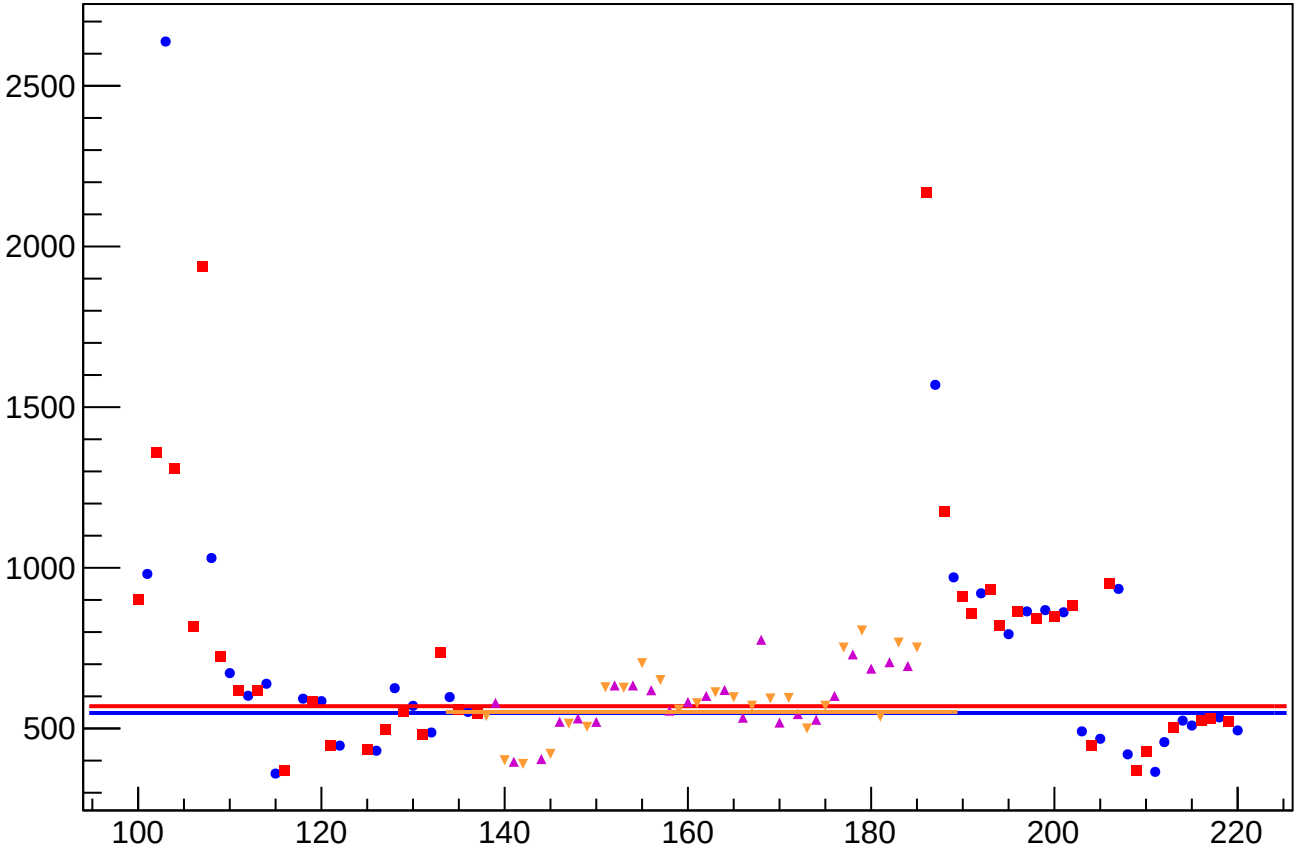
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -682.992+/-91.160 χ^2/NDF: 114.8/56

All: -707.551+/-65.176 χ^2/NDF: 355.2/115

- sign -733.234+/-93.221 χ^2/NDF: 240.3/58

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 548.219+/-0.090 χ^2/NDF: 3799256.0/32

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 569.336+/-0.094 χ^2/NDF: 4751801.3/35

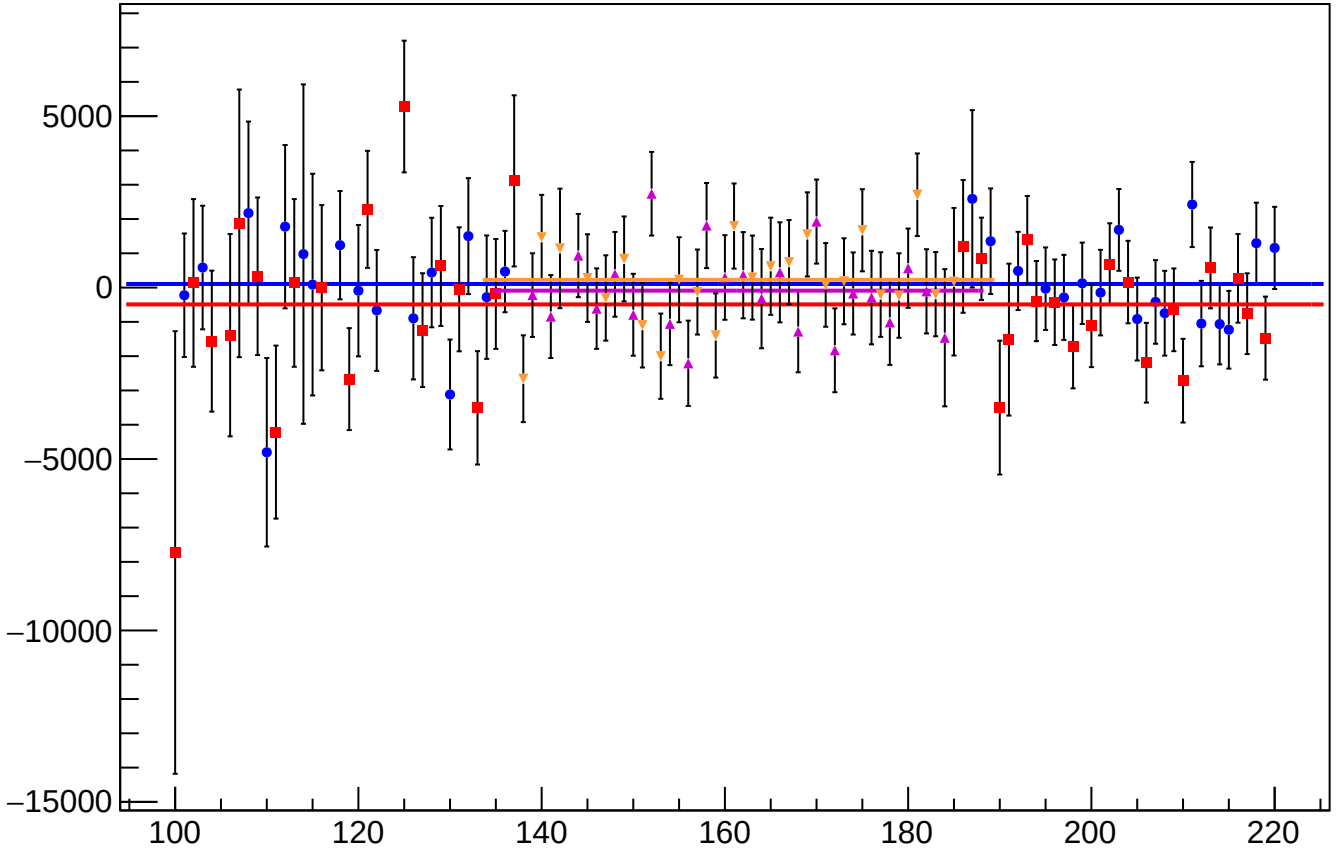
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 549.787+/-0.064 χ^2/NDF: 5026511.6/56

All: 554.885+/-0.046 χ^2/NDF: 10871479.1/11

- sign 560.216+/-0.066 χ^2/NDF: 5832172.4/58

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 105.705+/-253.102 χ^2/NDF: 23.8/32

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -490.145+/-256.038 χ^2/NDF: 41.1/35

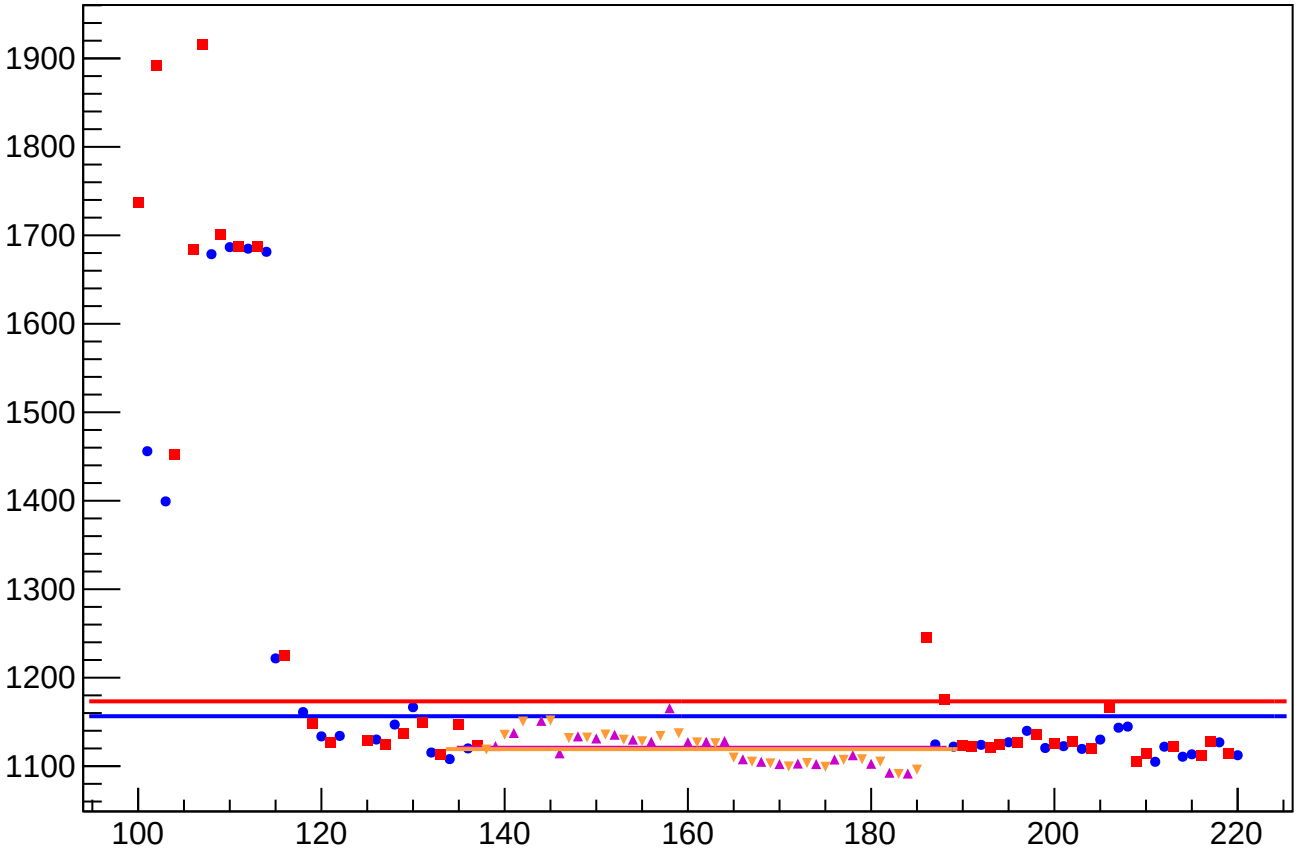
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 164.111+/-181.302 χ^2/NDF: 46.1/56

All: -62.788+/-128.803 χ^2/NDF: 112.1/115

- sign -294.010+/-183.021 χ^2/NDF: 62.8/58

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1156.429+/-0.179 χ^2/NDF: 395933.6/32

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1173.249+/-0.181 χ^2/NDF: 699233.9/35

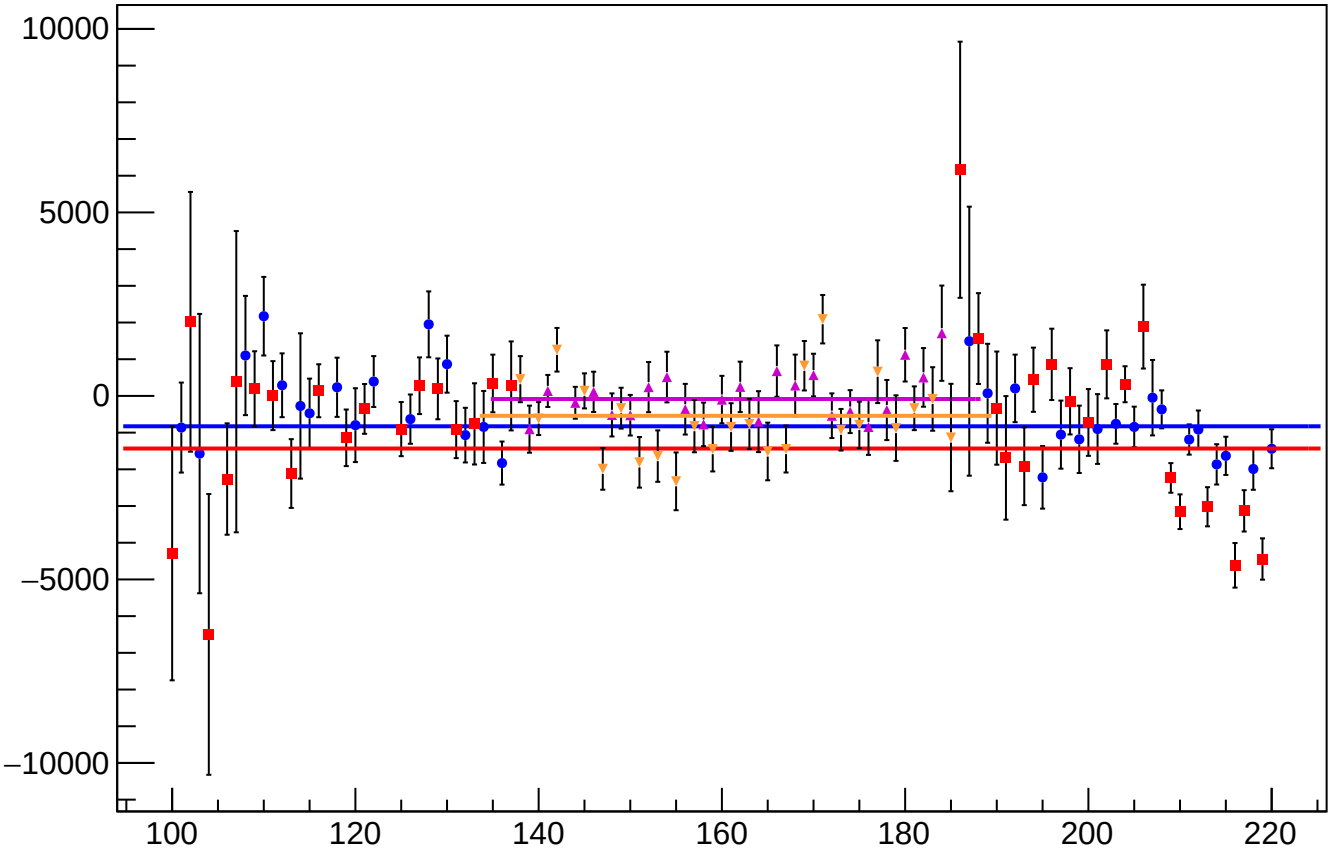
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1138.331+/-0.128 χ^2/NDF: 425079.2/56

All: 1142.921+/-0.091 χ^2/NDF: 1177370.0/11

- sign 1147.600+/-0.129 χ^2/NDF: 749701.8/58

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -827.365+/-127.576 χ^2/NDF: 52.1/32

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -1433.142+/-133.722 χ^2/NDF: 176.6/35

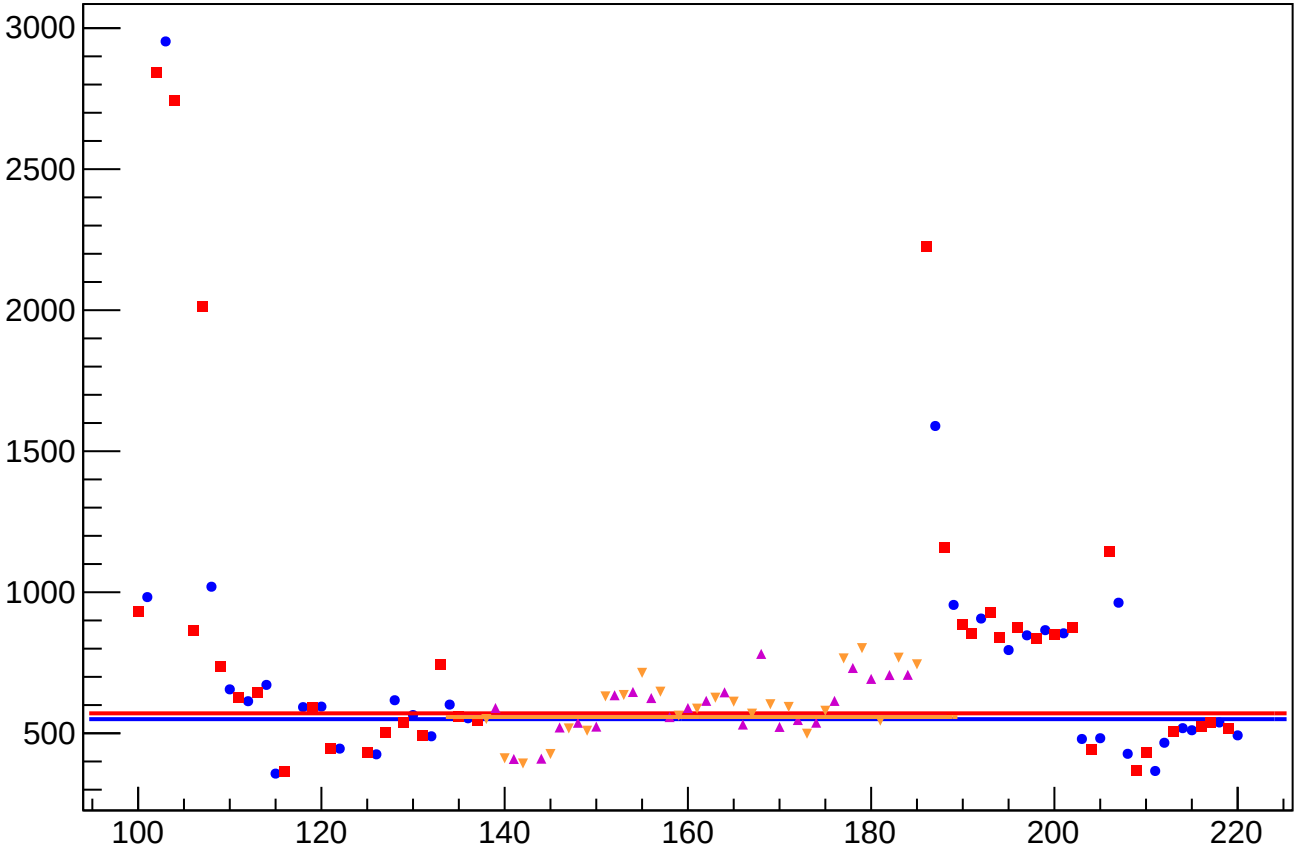
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -689.361+/-91.738 χ^2/NDF: 115.4/56

All: -720.205+/-65.701 χ^2/NDF: 359.9/115

- sign -752.685+/-94.138 χ^2/NDF: 244.3/58

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 550.042+/-0.090 χ^2/NDF: 3934737.8/32

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 570.668+/-0.095 χ^2/NDF: 5888315.2/35

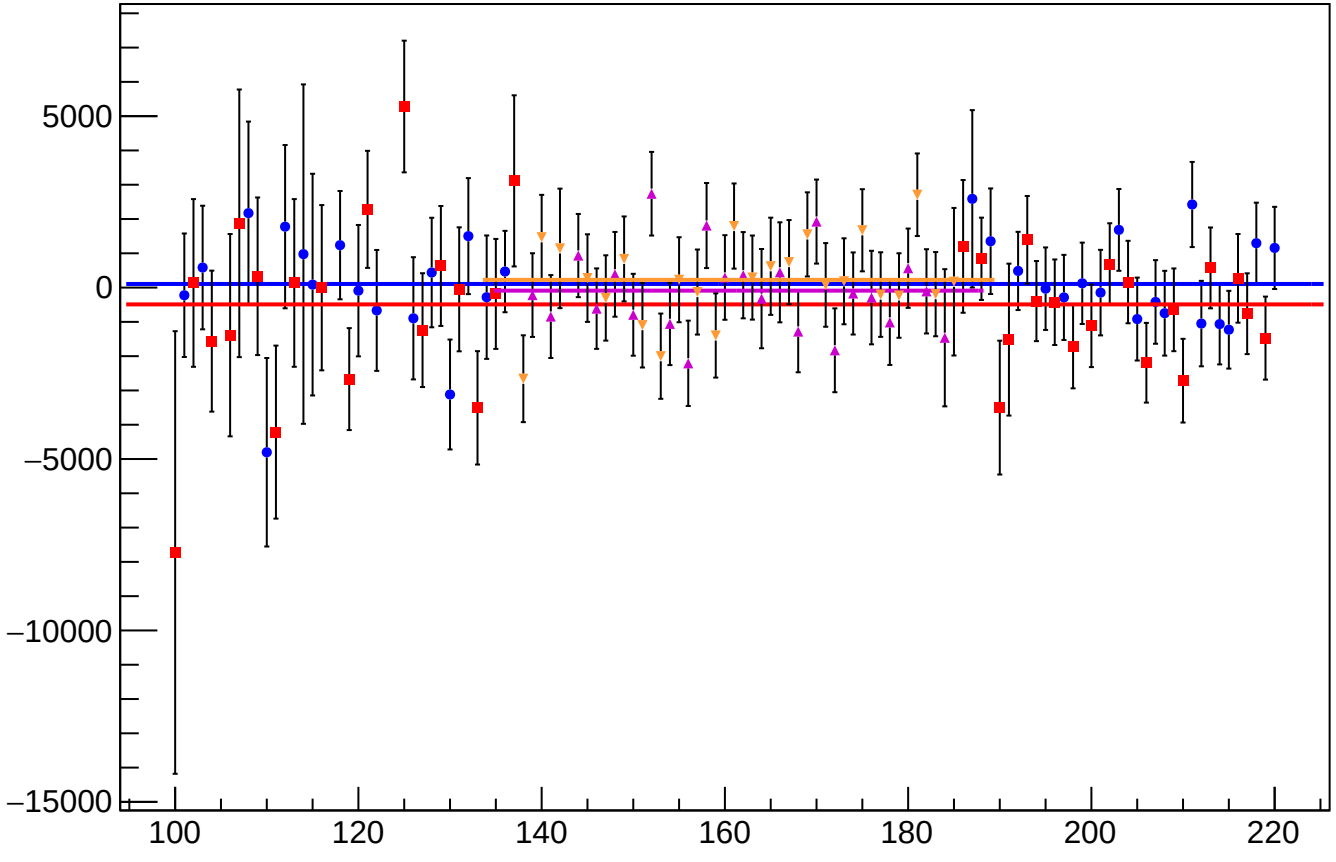
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 553.688+/-0.065 χ^2/NDF: 5131390.6/56

All: 558.943+/-0.046 χ^2/NDF: 12069493.8/11

- sign 564.476+/-0.067 χ^2/NDF: 6924630.0/58

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 105.707+/-253.102 χ^2/NDF: 23.8/32

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -490.144+/-256.038 χ^2/NDF: 41.1/35

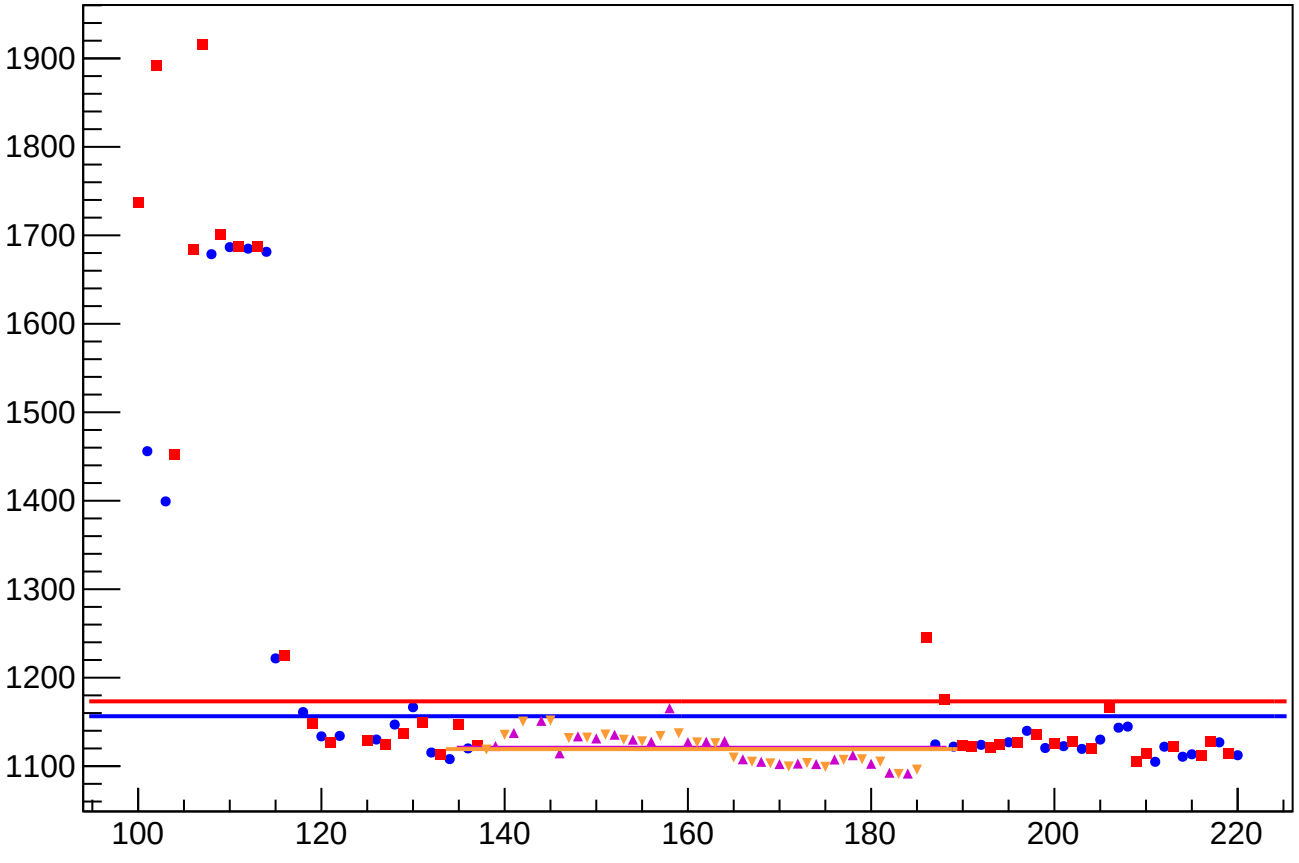
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 164.111+/-181.302 χ^2/NDF: 46.1/56

All: -62.788+/-128.803 χ^2/NDF: 112.1/115

- sign -294.010+/-183.021 χ^2/NDF: 62.8/58

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1156.429+/-0.179 χ^2/NDF: 395933.1/32

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1173.249+/-0.181 χ^2/NDF: 699233.2/35

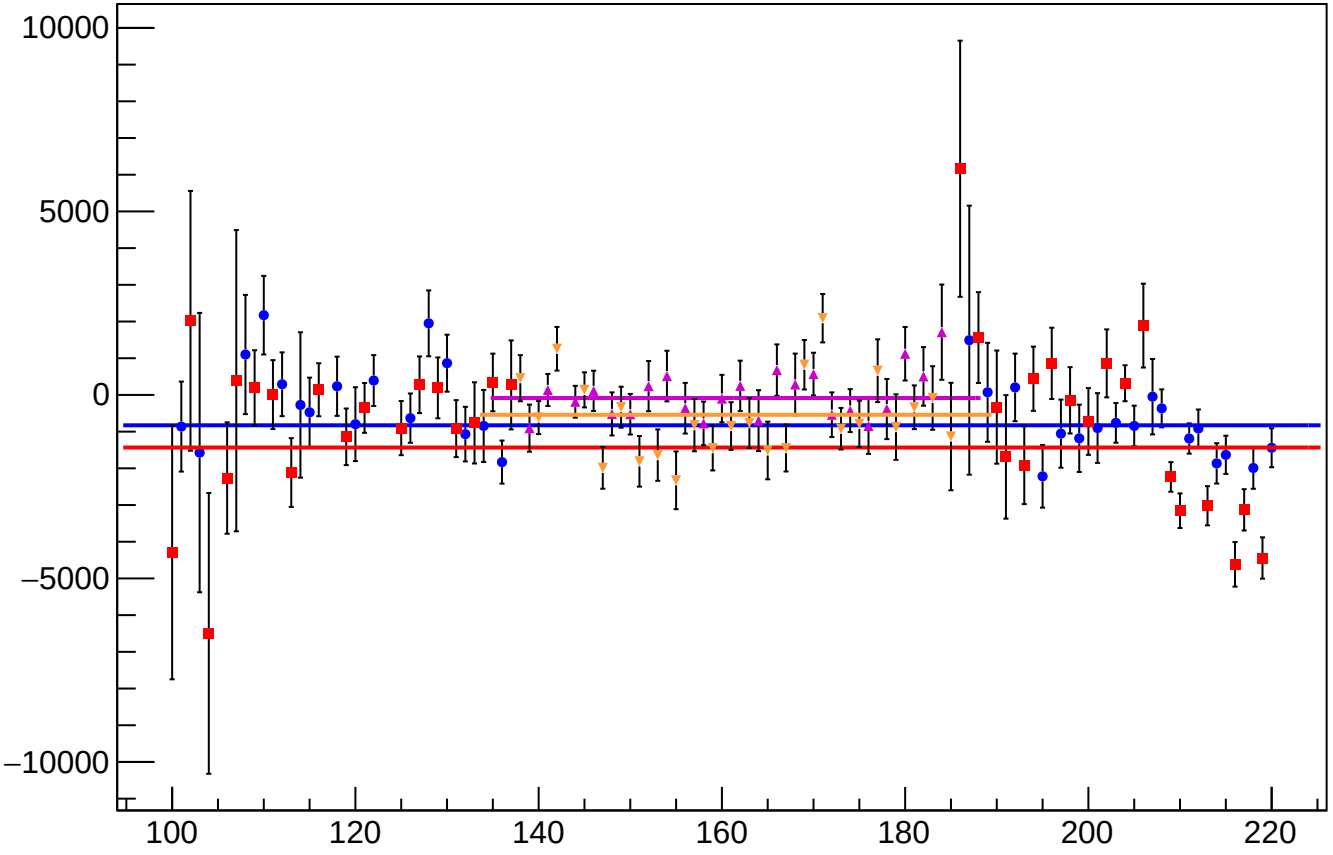
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1138.331+/-0.128 χ^2/NDF: 425078.7/56

All: 1142.921+/-0.091 χ^2/NDF: 1177368.7/11

- sign 1147.600+/-0.129 χ^2/NDF: 749701.1/58

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -827.365+/-127.576 χ^2/NDF: 52.1/32

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -1433.143+/-133.722 χ^2/NDF: 176.6/35

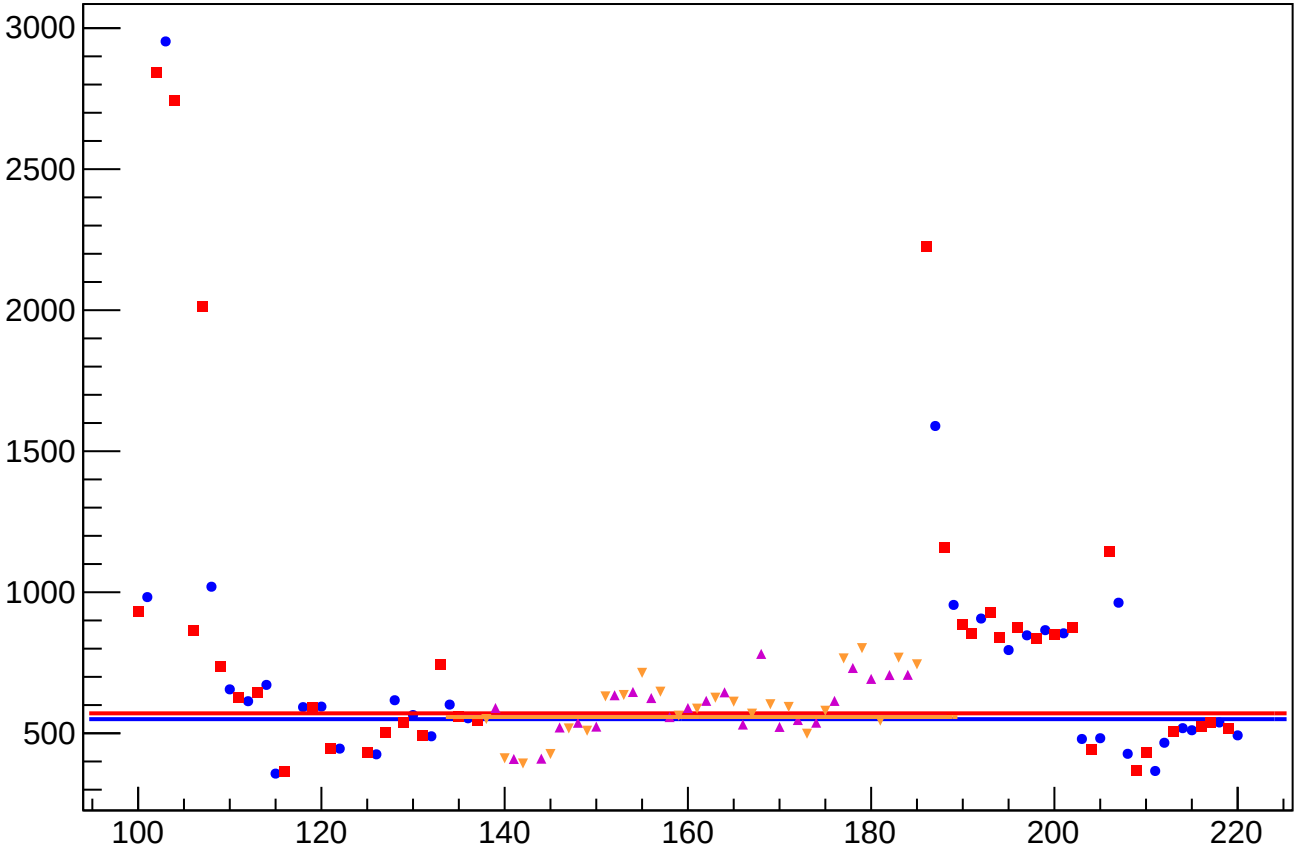
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -689.360+/-91.738 χ^2/NDF: 115.4/56

All: -720.205+/-65.701 χ^2/NDF: 359.9/115

- sign -752.685+/-94.138 χ^2/NDF: 244.3/58

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 550.041+/-0.090 χ^2/NDF: 3934741.0/32

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 570.667+/-0.095 χ^2/NDF: 5888323.7/35

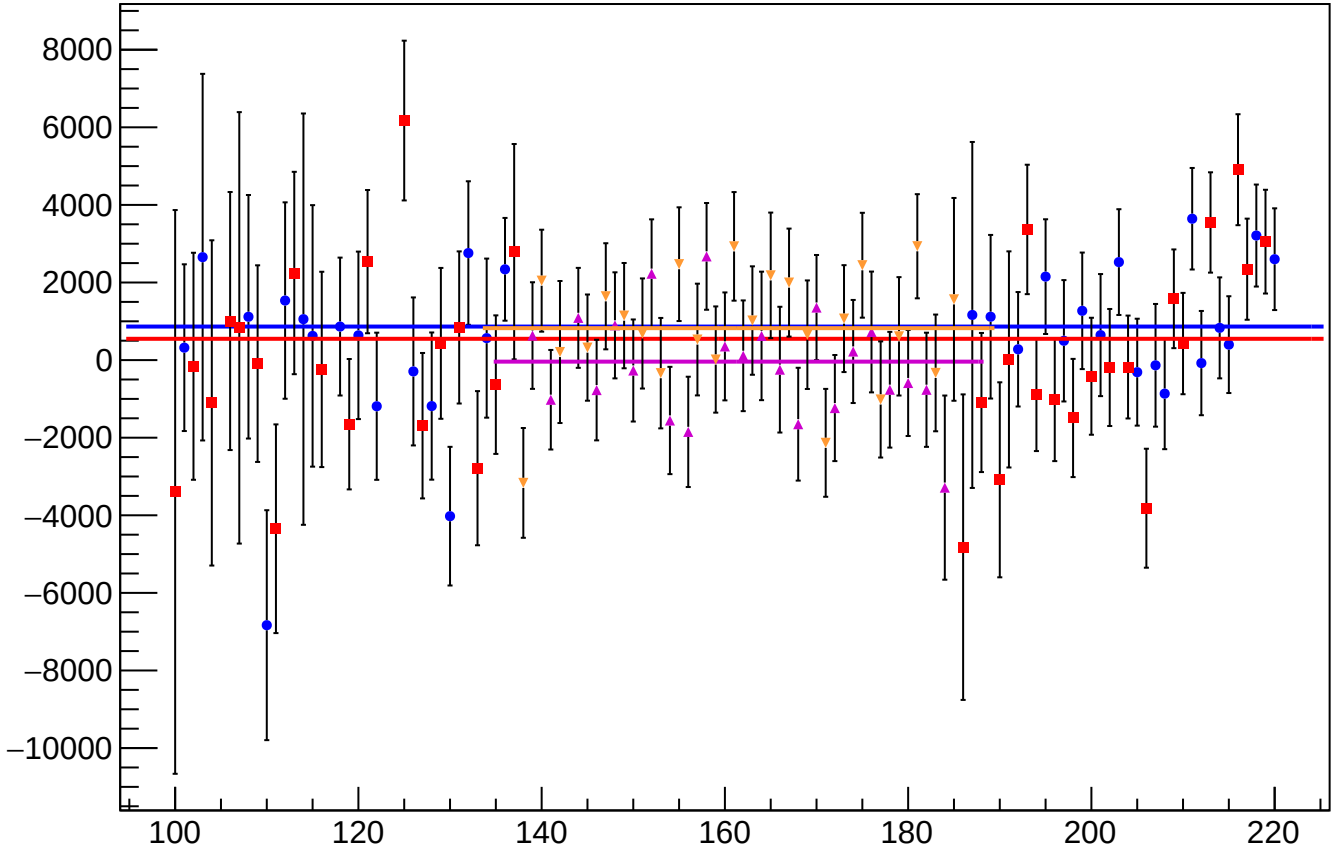
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 553.687+/-0.065 χ^2/NDF: 5131414.6/56

All: 558.942+/-0.046 χ^2/NDF: 12069541.3/11

- sign 564.476+/-0.067 χ^2/NDF: 6924653.3/58

asym_usl_atl1_dd_mean vs Slug



Right In: 864.657+/-295.335 χ^2/NDF: 34.8/32

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: 549.039+/-302.228 χ^2/NDF: 61.4/35

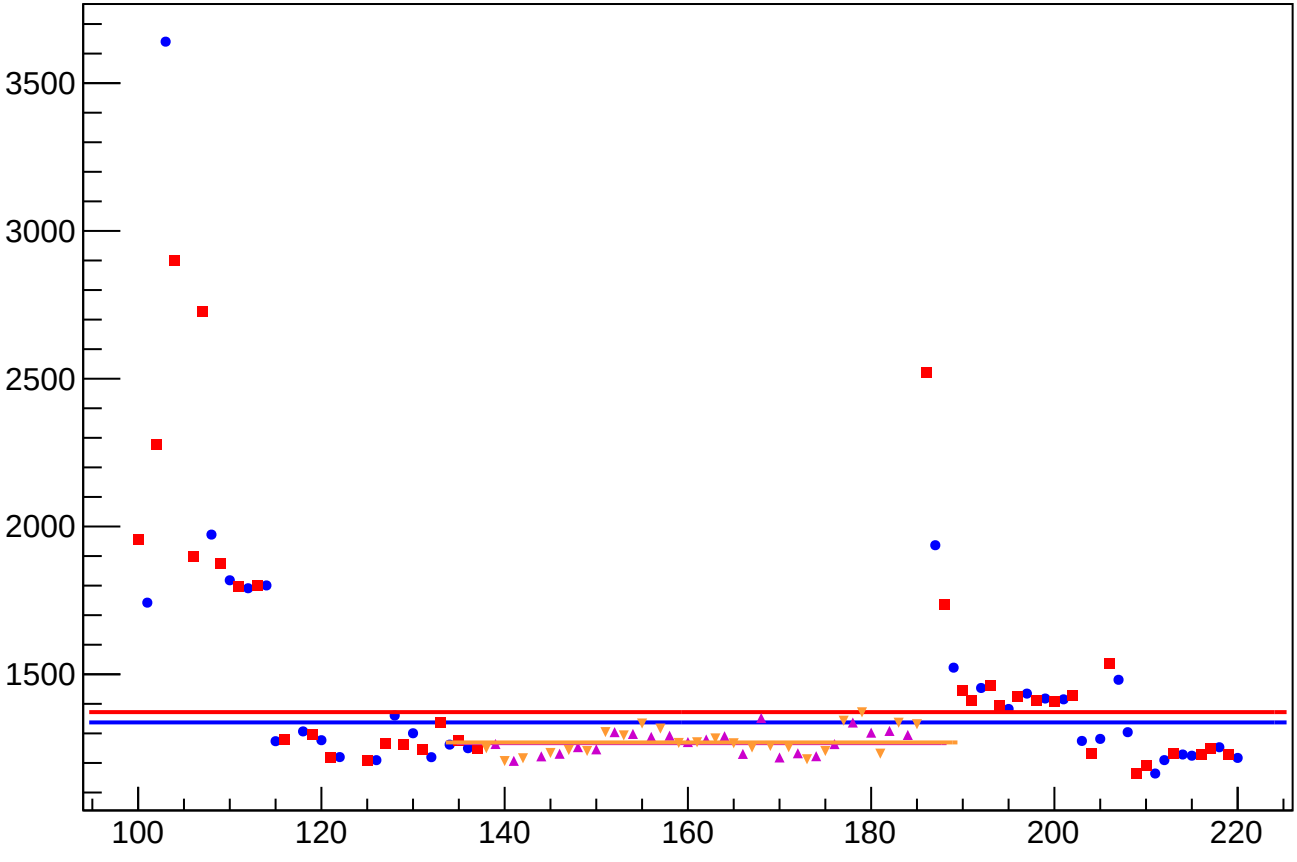
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 843.953+/-208.656 χ^2/NDF: 61.0/56

All: 550.243+/-148.528 χ^2/NDF: 146.2/115

- sign 248.548+/-211.473 χ^2/NDF: 81.2/58

asym_usl_atl1_dd_rms vs Slug



Right In: 1337.171+/-0.209 χ^2/NDF: 1018455.0/32

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

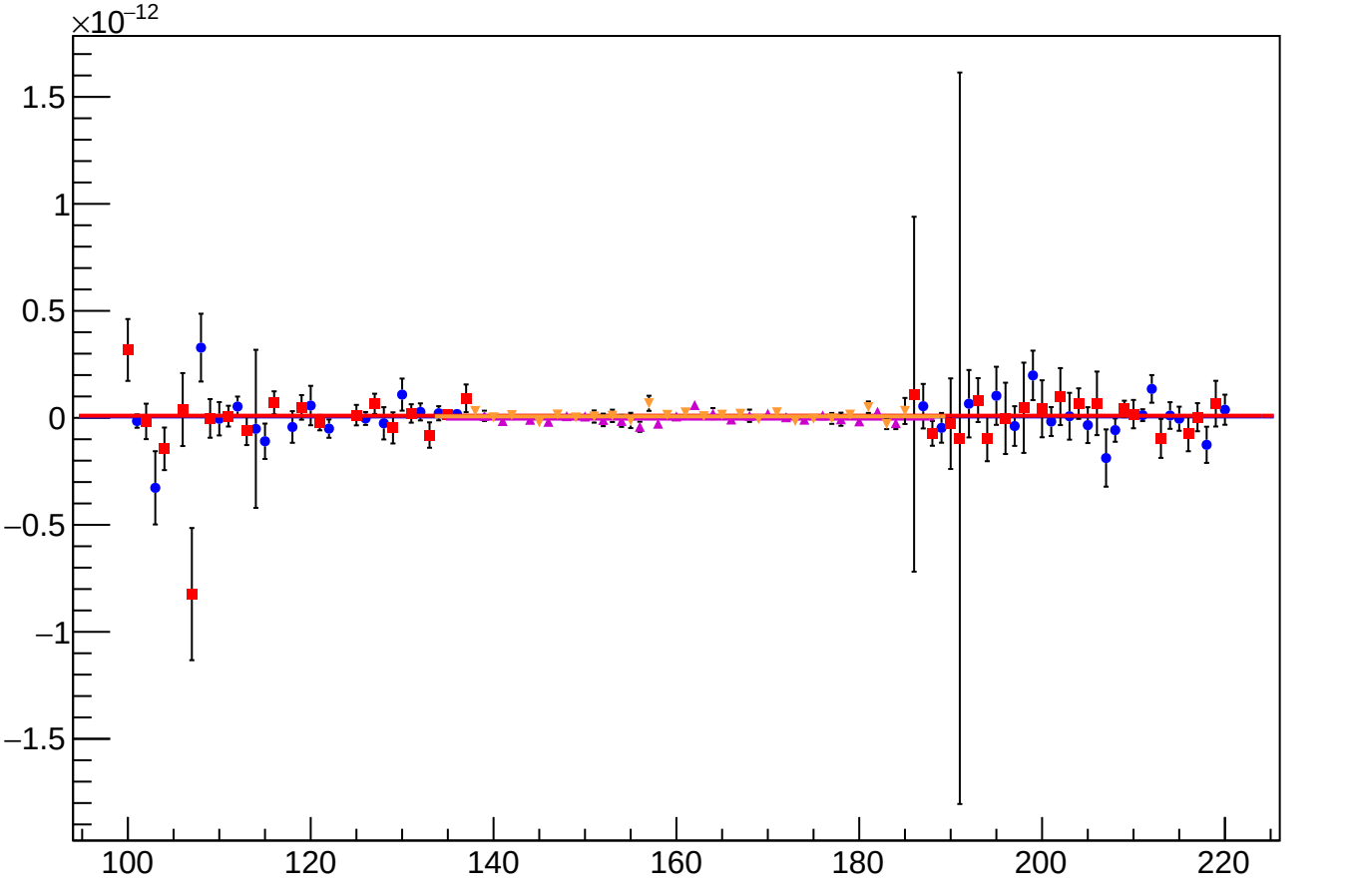
Right Out: 1372.022+/-0.214 χ^2/NDF: 1374547.8/35

Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1303.249+/-0.148 χ^2/NDF: 1114179.0/56

All: 1310.748+/-0.105 χ^2/NDF: 2651619.0/11

- sign 1318.452+/-0.150 χ^2/NDF: 1532201.9/58



Right In: 0.000+/-0.000 χ^2/NDF: 31.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 32.4/35

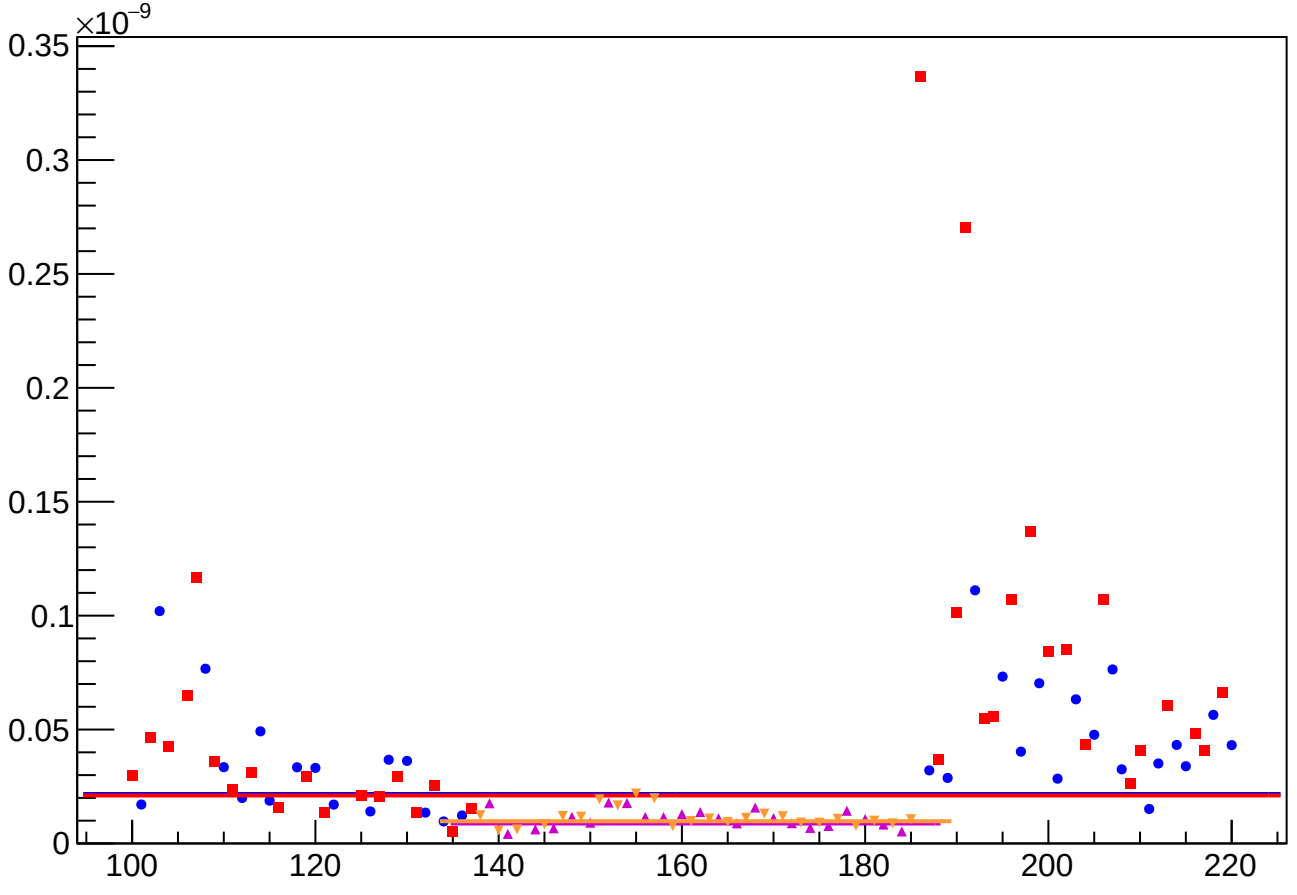
Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.6/56

All: 0.000+/-0.000 χ^2/NDF: 111.8/115

- sign -0.000+/-0.000 χ^2/NDF: 57.2/58

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5389026.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8531492.5/35

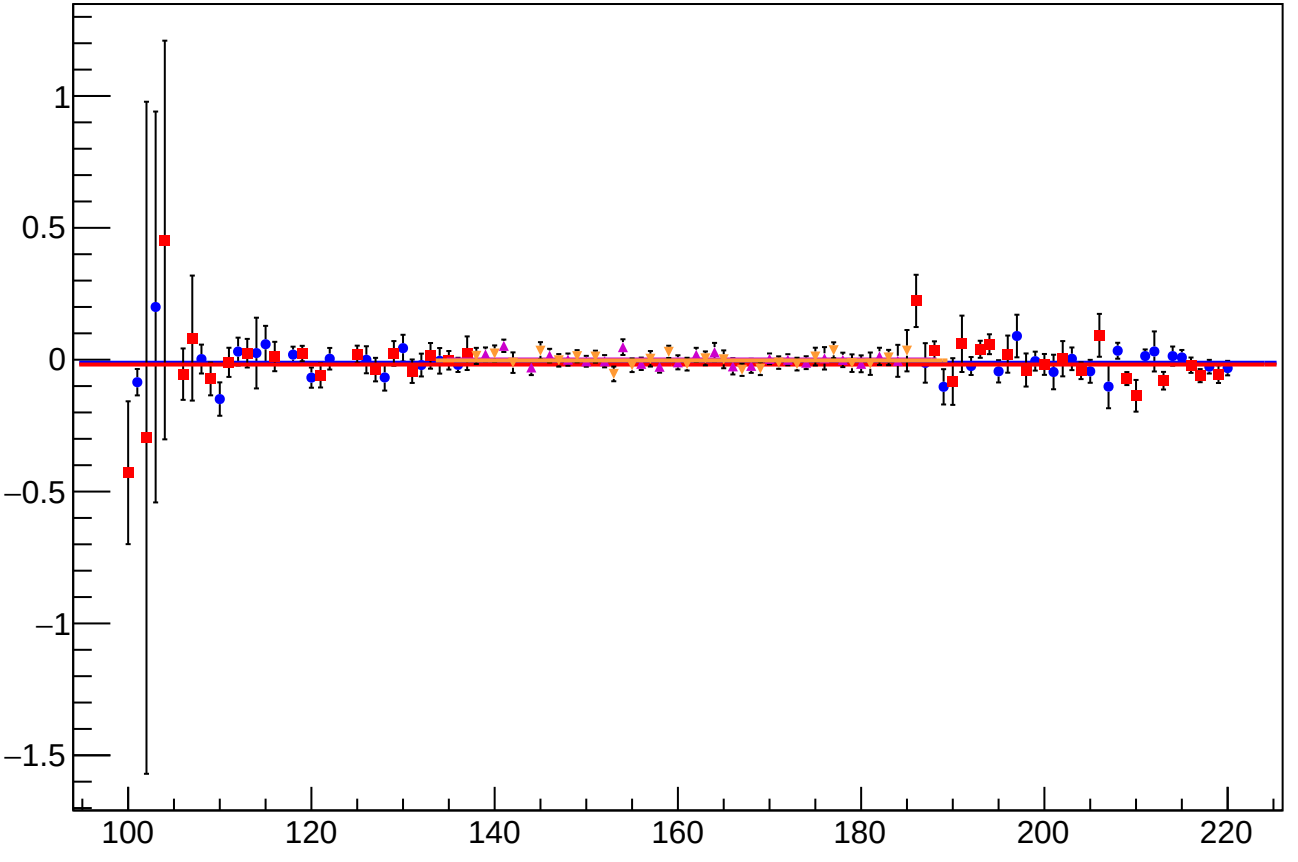
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9719160.1/56

All: 0.000+/-0.000 χ^2/NDF: 23280361.6/115

- sign 0.000+/-0.000 χ^2/NDF: 13427468.3/58

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.007 χ^2/NDF: 26.6/32

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.018+/-0.007 χ^2/NDF: 46.8/35

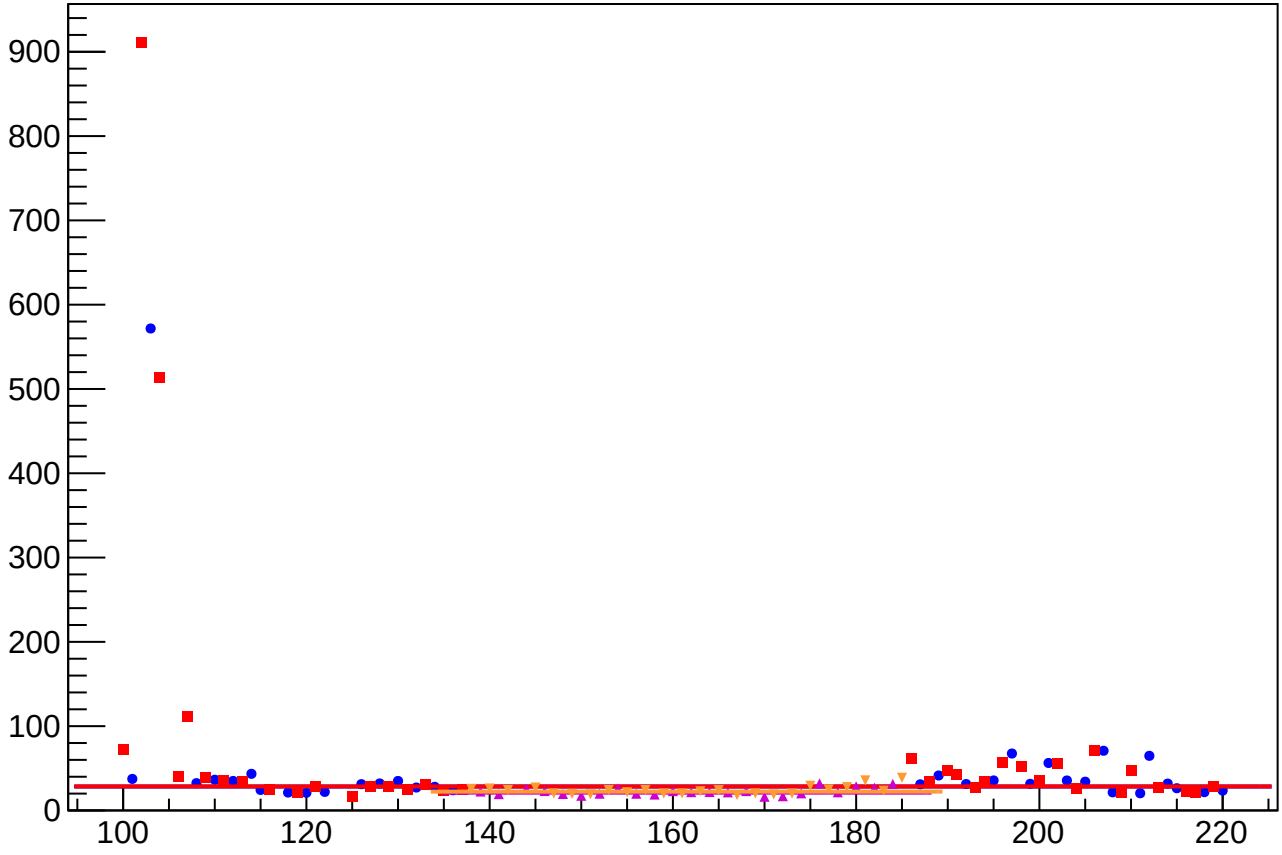
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.004 χ^2/NDF: 43.9/56

All: -0.006+/-0.003 χ^2/NDF: 109.9/115

- sign -0.006+/-0.004 χ^2/NDF: 66.0/58

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.386+/-0.005 χ^2/NDF: 4198553.7/32

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

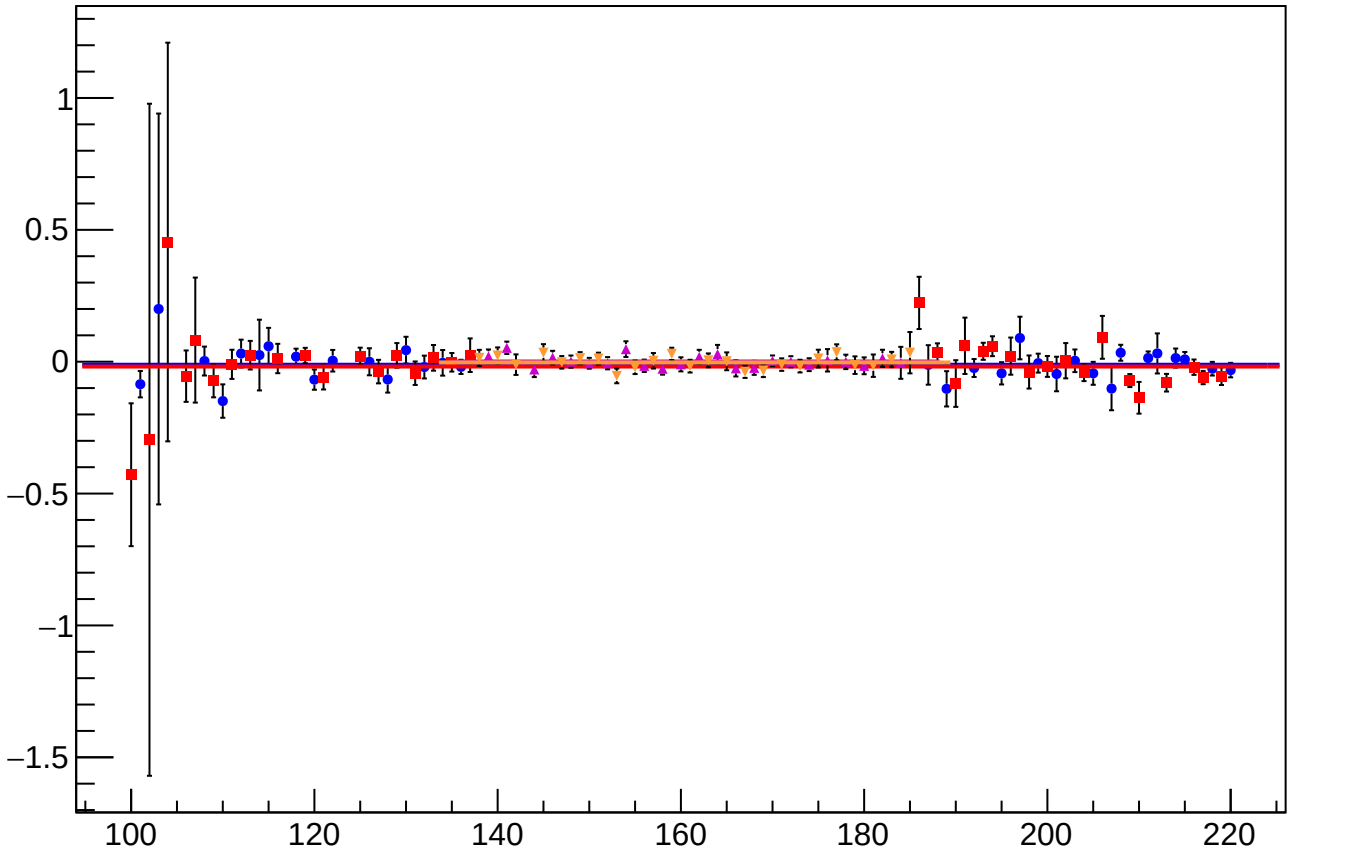
Right Out: 28.489+/-0.005 χ^2/NDF: 5334040.4/35

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

+ sign 24.676+/-0.003 χ^2/NDF: 5881215.1/56

All: 24.200+/-0.002 χ^2/NDF: 13385590.5/115

- sign 23.739+/-0.003 χ^2/NDF: 7459430.8/58



Right In: -0.011+/-0.007 χ^2/NDF: 26.6/32

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: -0.018+/-0.007 χ^2/NDF: 46.8/35

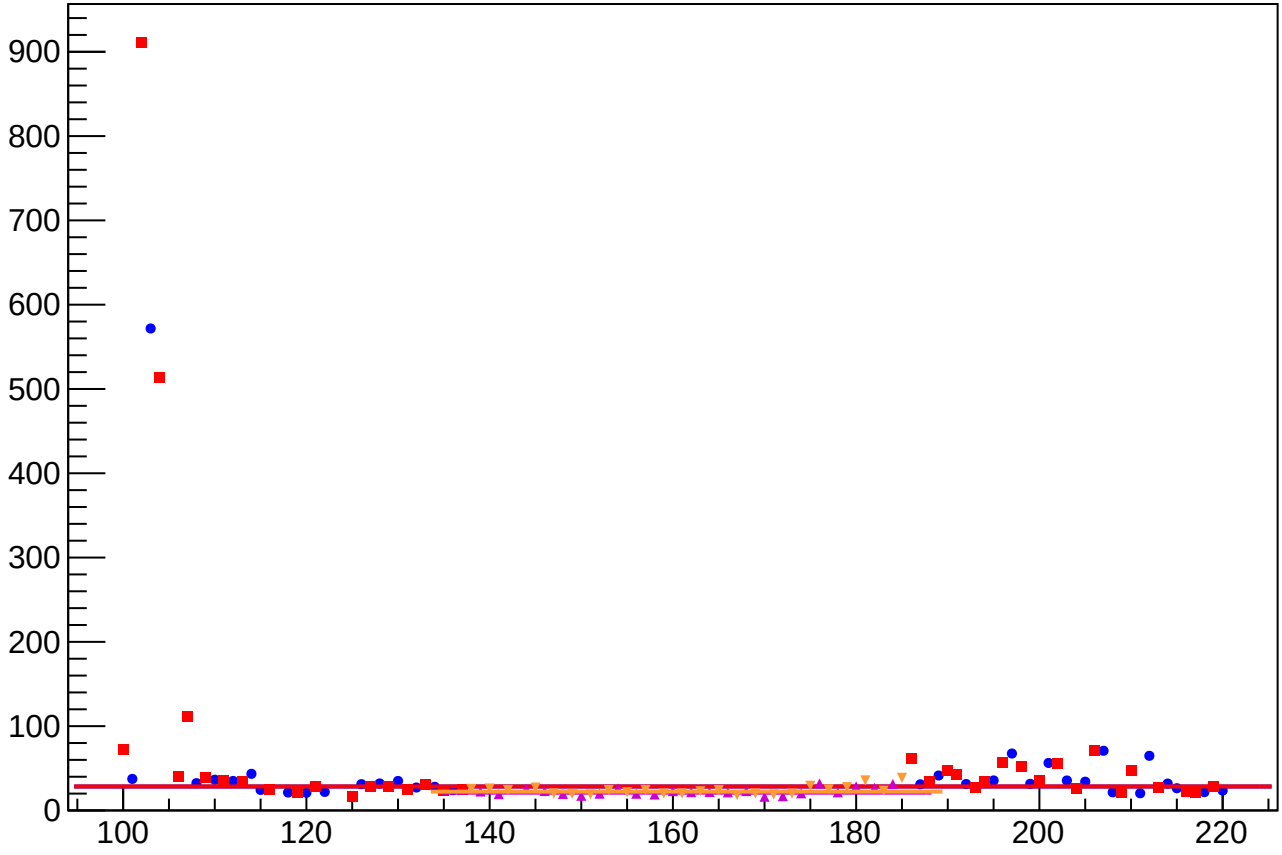
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.004 χ^2/NDF: 43.9/56

All: -0.006+/-0.003 χ^2/NDF: 109.9/115

- sign -0.006+/-0.004 χ^2/NDF: 66.0/58

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 28.386+/-0.005 χ^2/NDF: 4198553.7/32

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

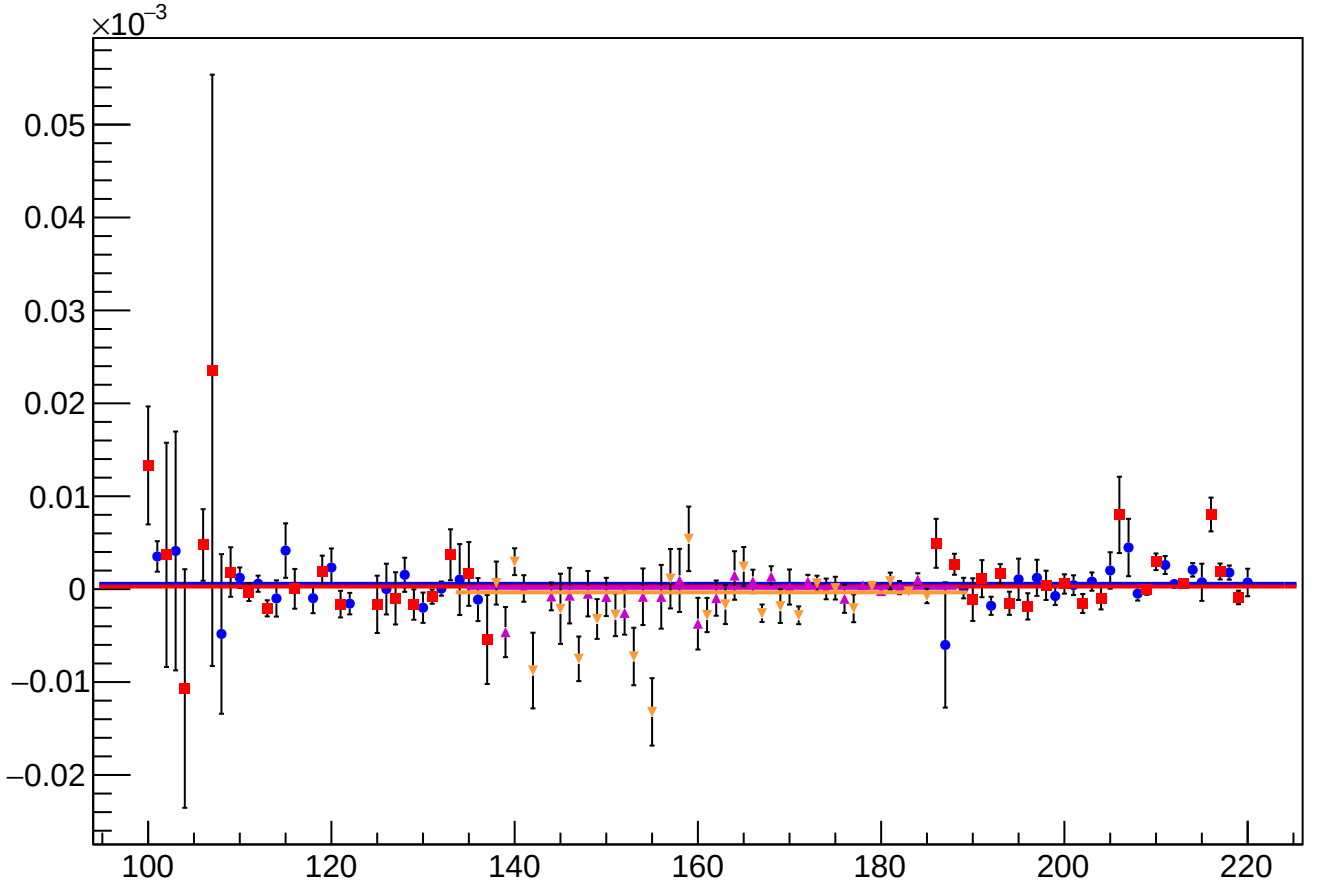
Right Out: 28.489+/-0.005 χ^2/NDF: 5334040.4/35

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

\+ sign 24.676+/-0.003 χ^2/NDF: 5881215.1/56

All: 24.200+/-0.002 χ^2/NDF: 13385590.5/115

\- sign 23.739+/-0.003 χ^2/NDF: 7459430.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 39.5/32

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 81.1/35

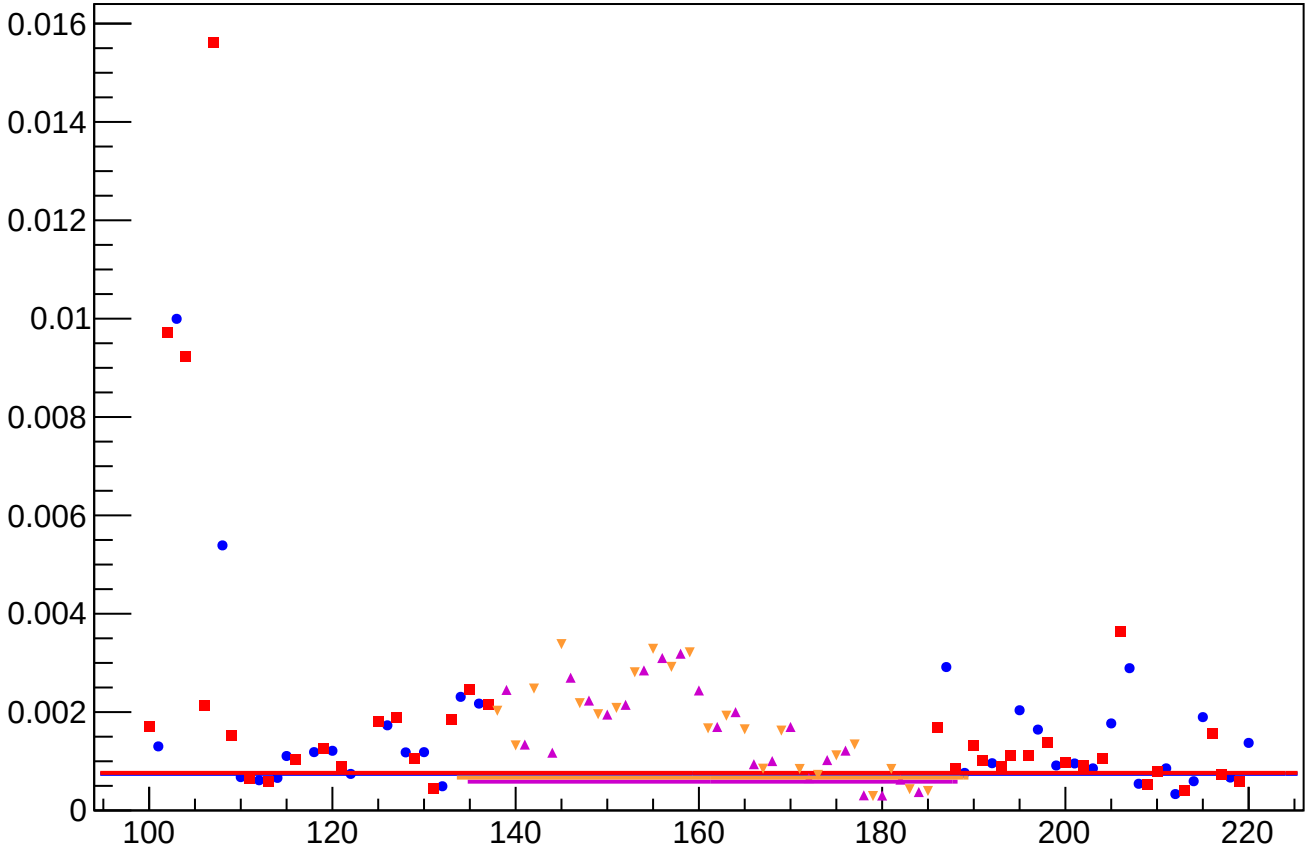
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

\+ sign 0.000+/-0.000 χ^2/NDF: 117.9/56

All: 0.000+/-0.000 χ^2/NDF: 213.6/115

\- sign 0.000+/-0.000 χ^2/NDF: 95.6/58

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10441671.0/32

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

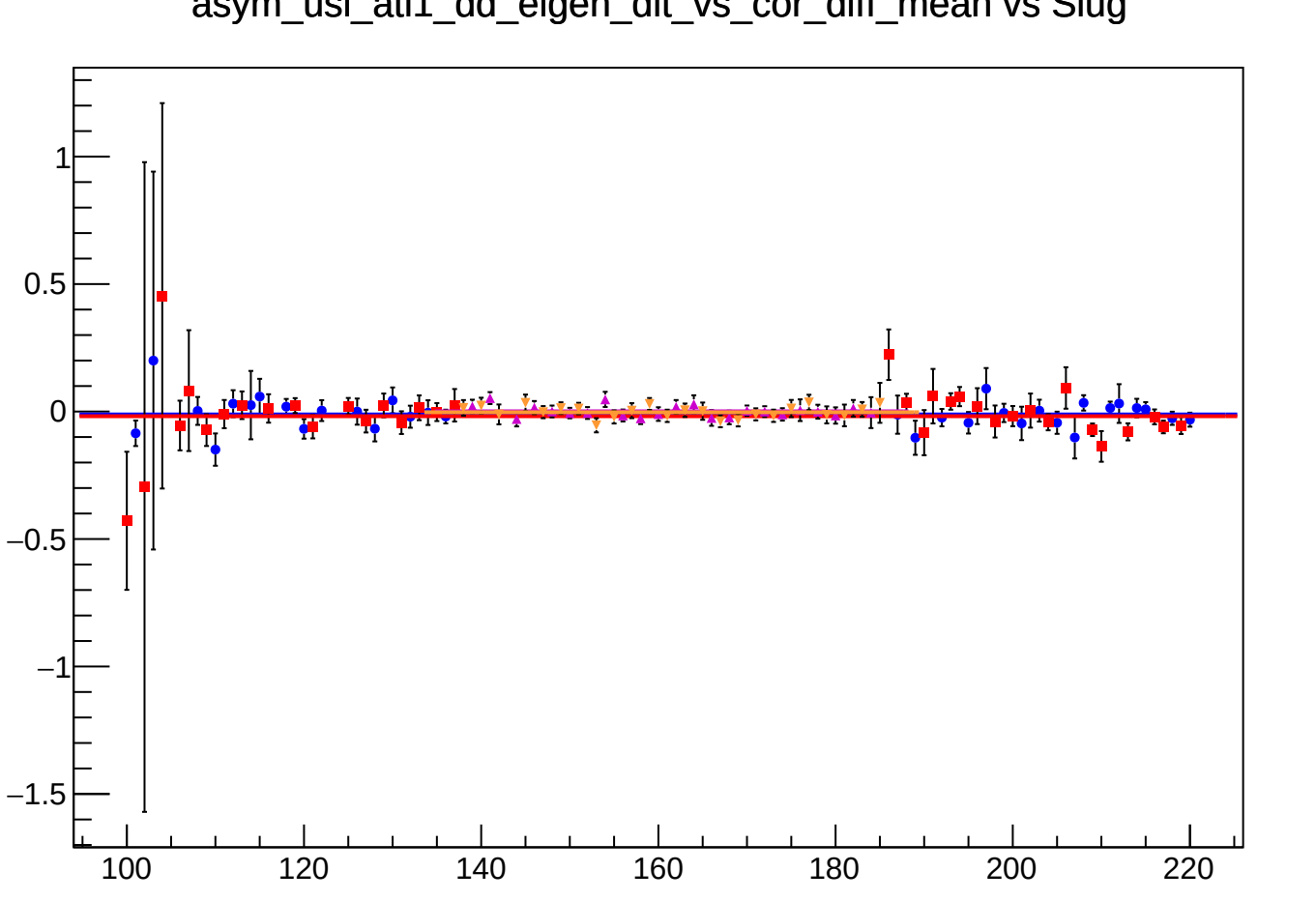
Right Out: 0.001+/-0.000 χ^2/NDF: 9317006.0/35

Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 25961079.6/56

All: 0.001+/-0.000 χ^2/NDF: 51858344.2/115

- sign 0.001+/-0.000 χ^2/NDF: 25817891.5/58



Right In: -0.011+/-0.007 χ^2/NDF: 26.6/32

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

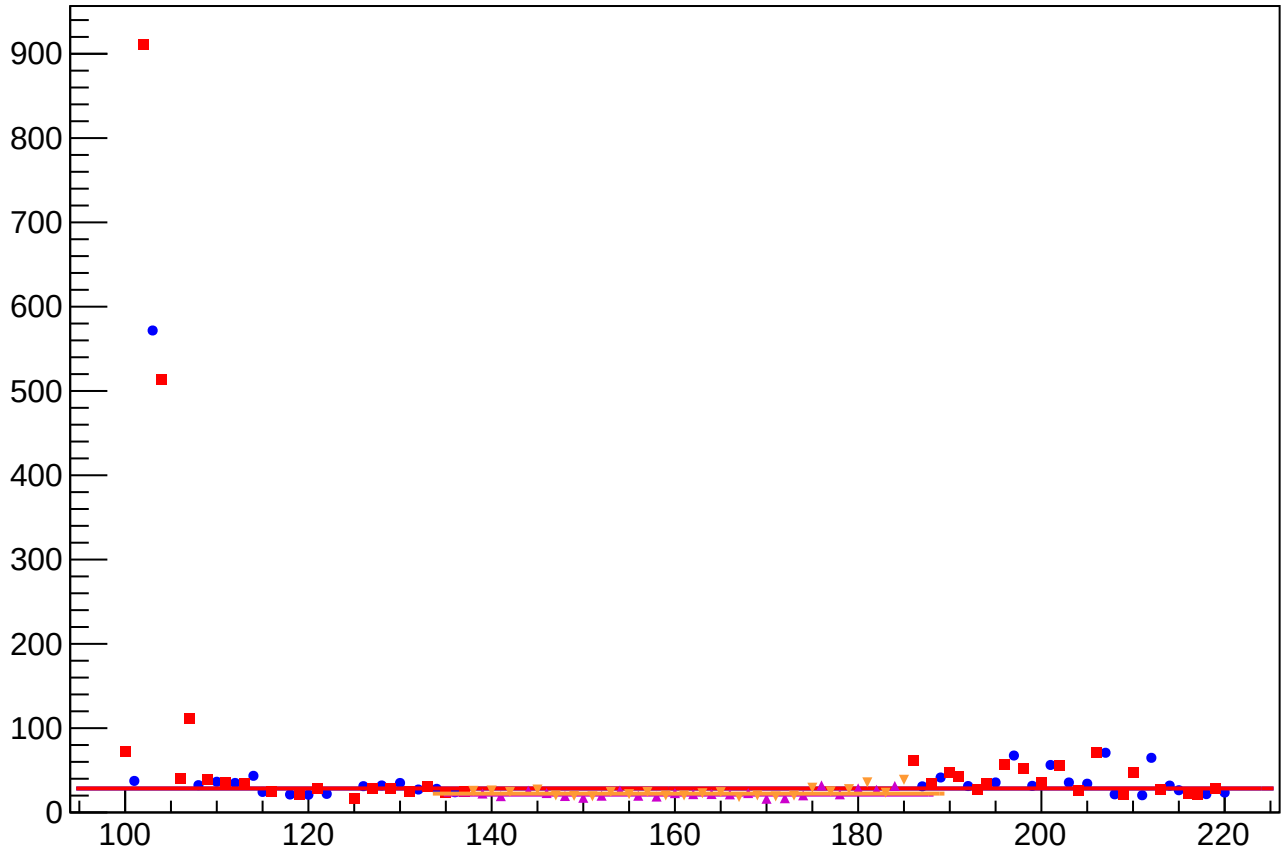
Right Out: -0.018+/-0.007 χ^2/NDF: 46.8/35

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.004 χ^2/NDF: 43.9/56

All: -0.006+/-0.003 χ^2/NDF: 109.9/115

- sign -0.006+/-0.004 χ^2/NDF: 66.0/58



Right In: 28.386+/-0.005 χ^2/NDF: 4198590.5/32

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

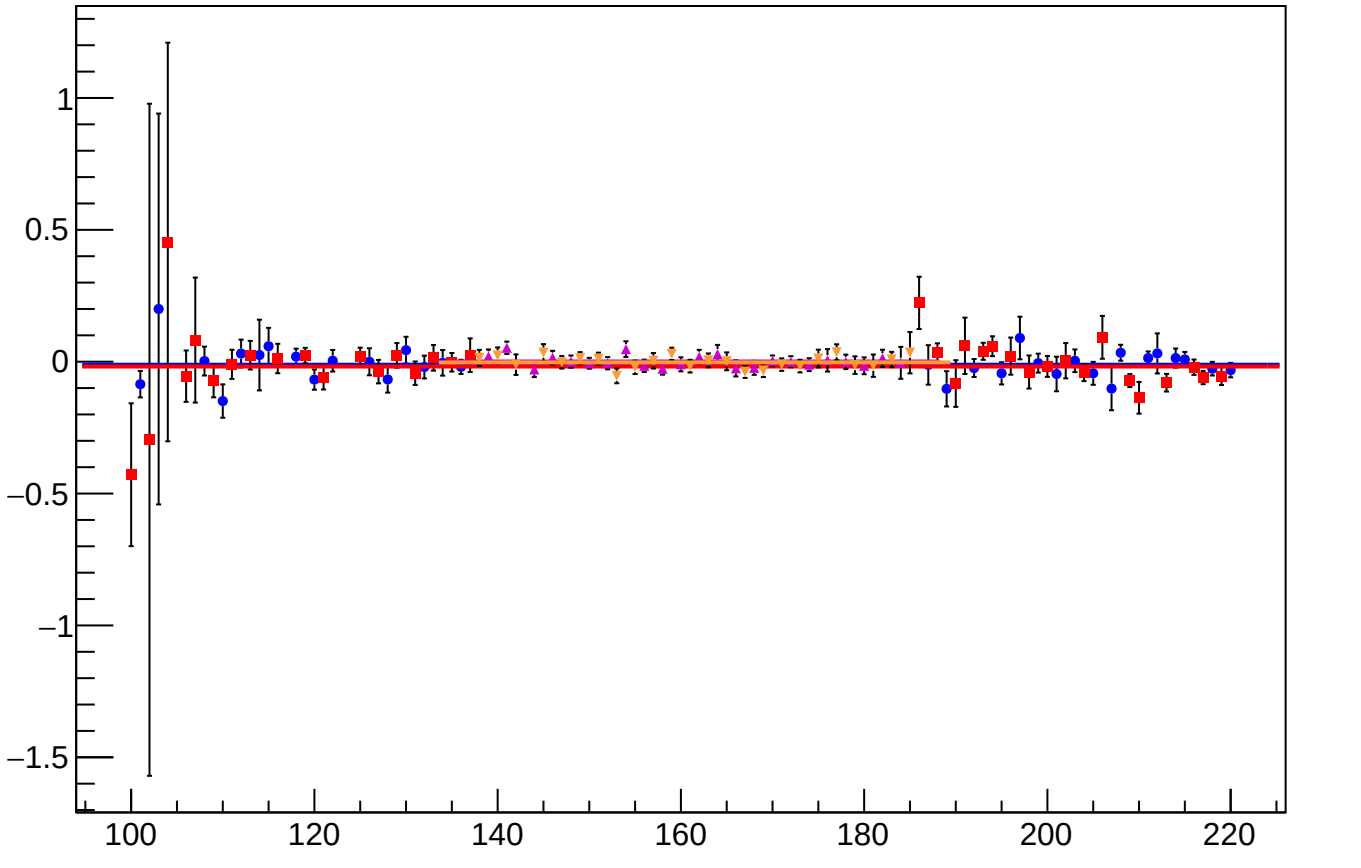
Right Out: 28.489+/-0.005 χ^2/NDF: 5334130.8/35

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.676+/-0.003 χ^2/NDF: 5881259.4/56

All: 24.200+/-0.002 χ^2/NDF: 13385739.7/115

- sign 23.739+/-0.003 χ^2/NDF: 7459533.8/58



Right In: -0.011+/-0.007 χ^2/NDF: 26.6/32

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

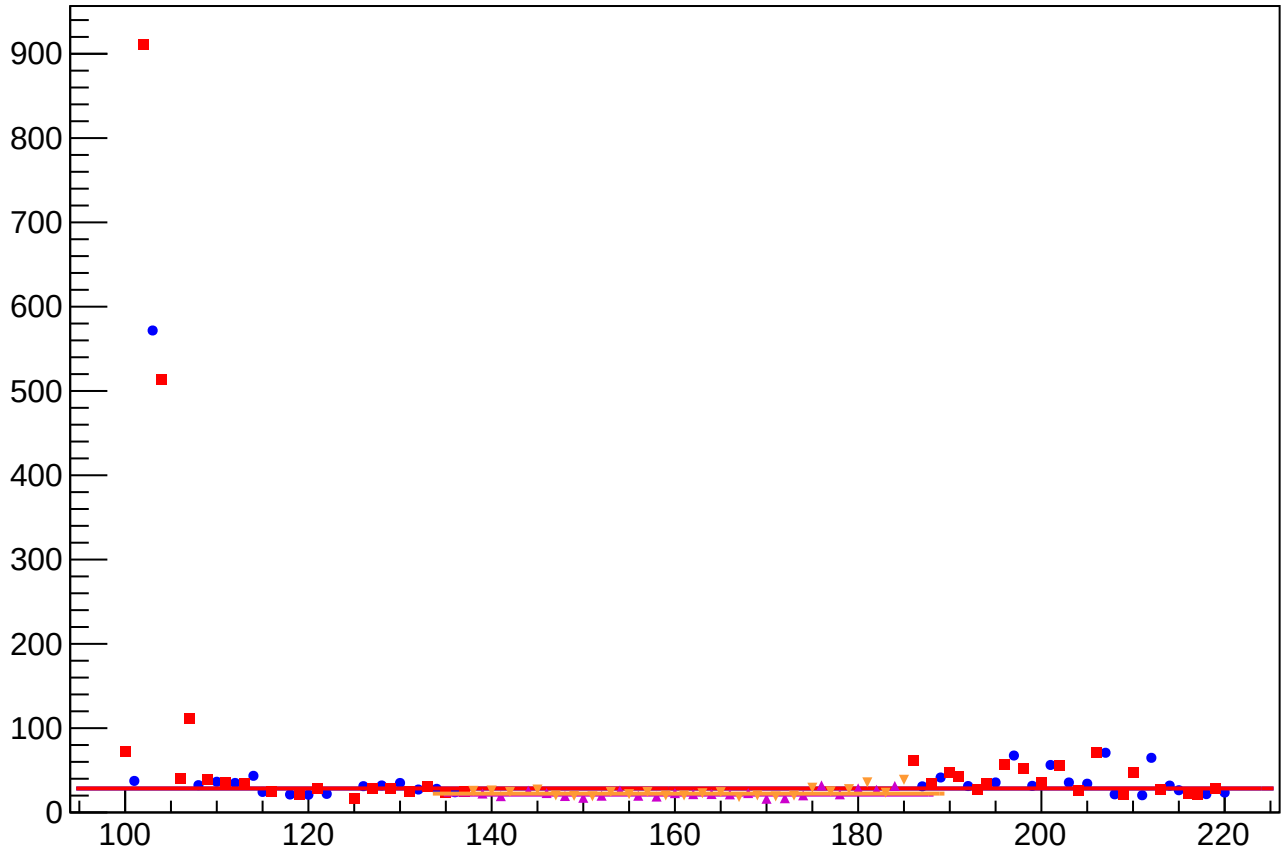
Right Out: -0.018+/-0.007 χ^2/NDF: 46.8/35

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.006+/-0.004 χ^2/NDF: 43.9/56

All: -0.006+/-0.003 χ^2/NDF: 109.9/115

- sign -0.006+/-0.004 χ^2/NDF: 66.0/58



Right In: 28.386+/-0.005 χ^2/NDF: 4198590.5/32

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

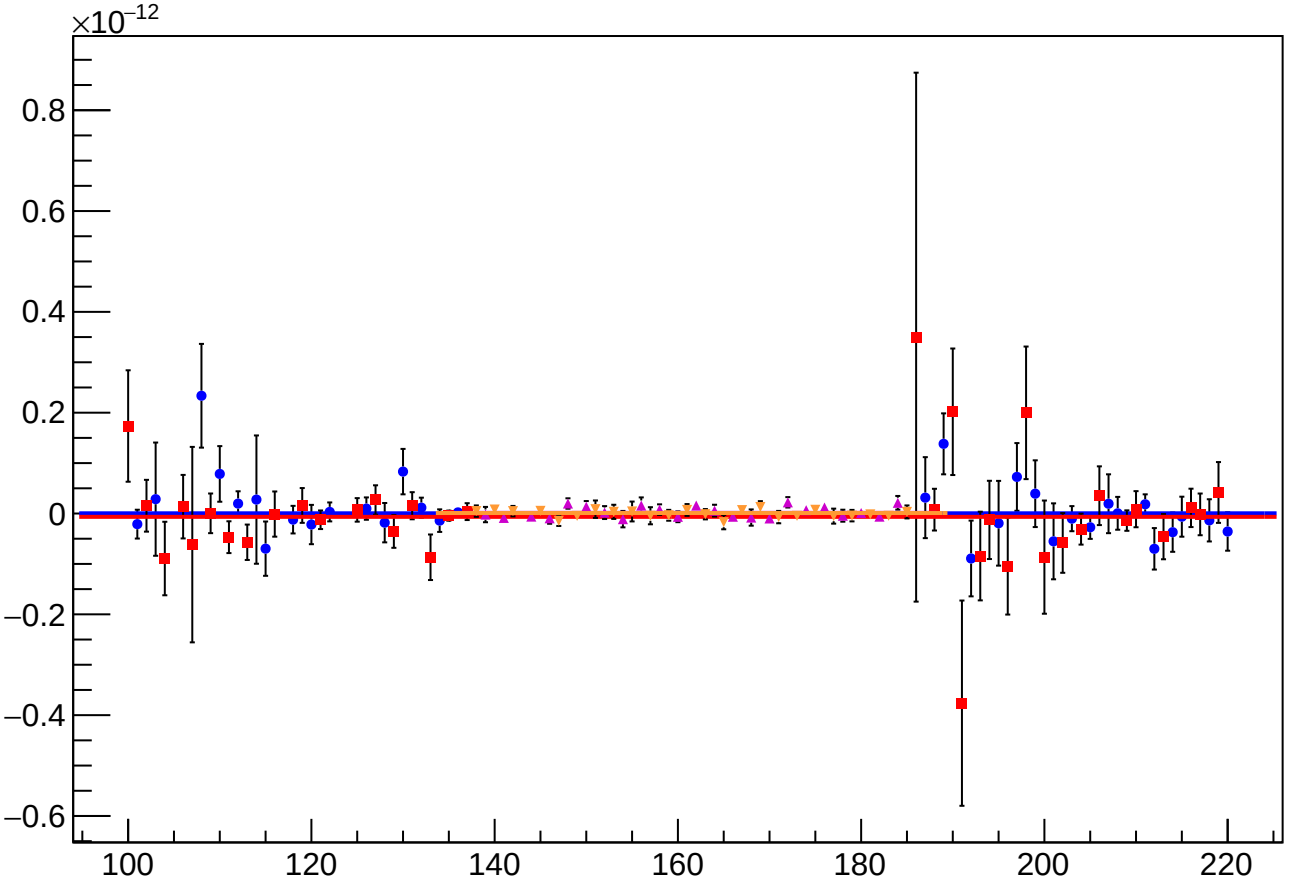
Right Out: 28.489+/-0.005 χ^2/NDF: 5334130.8/35

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.676+/-0.003 χ^2/NDF: 5881259.4/56

All: 24.200+/-0.002 χ^2/NDF: 13385739.7/115

- sign 23.739+/-0.003 χ^2/NDF: 7459533.8/58



Right In: 0.000+/-0.000 χ^2/NDF: 31.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

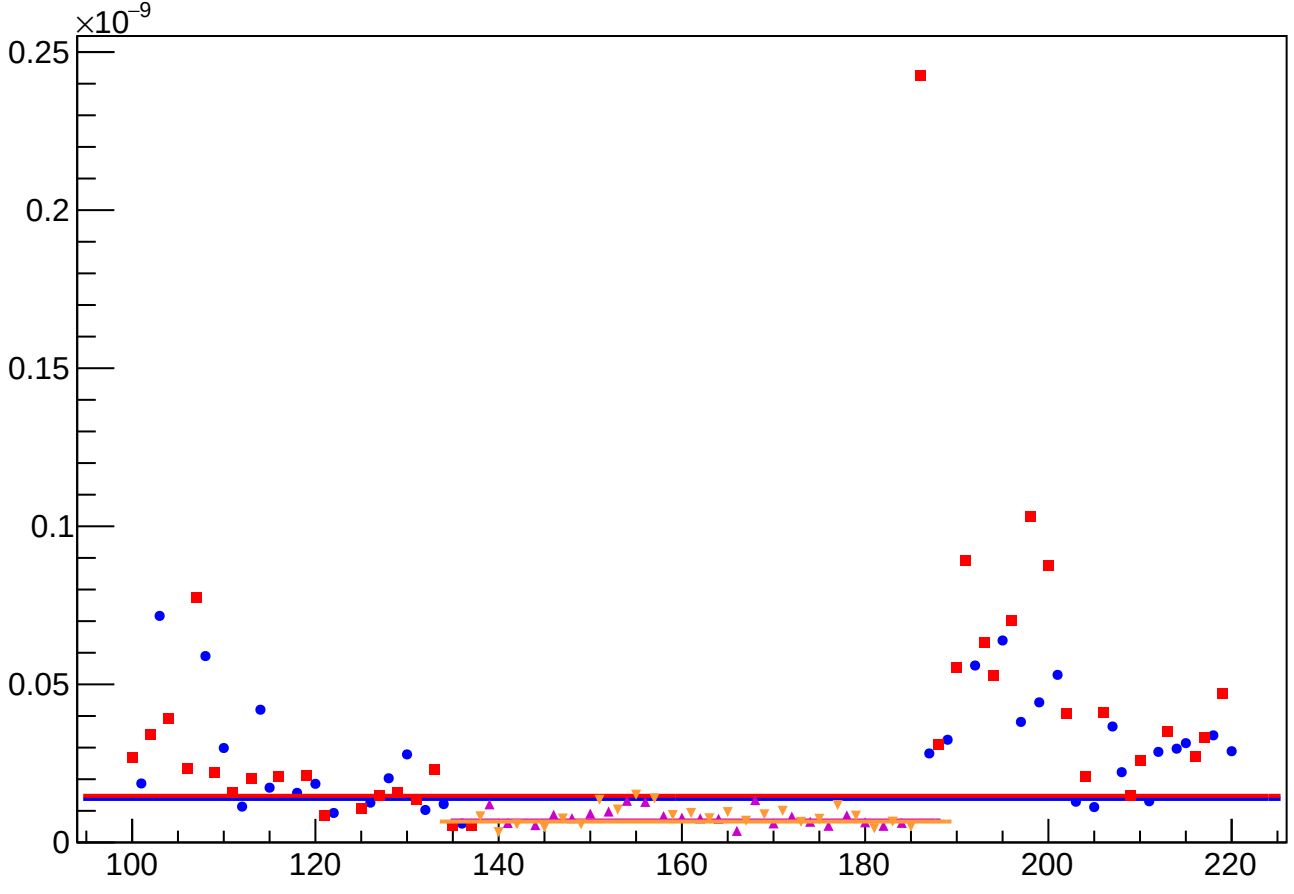
Right Out: -0.000+/-0.000 χ^2/NDF: 30.6/35

Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.2/56

All: 0.000+/-0.000 χ^2/NDF: 101.5/115

- sign 0.000+/-0.000 χ^2/NDF: 58.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 8525244.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11038035.9/35

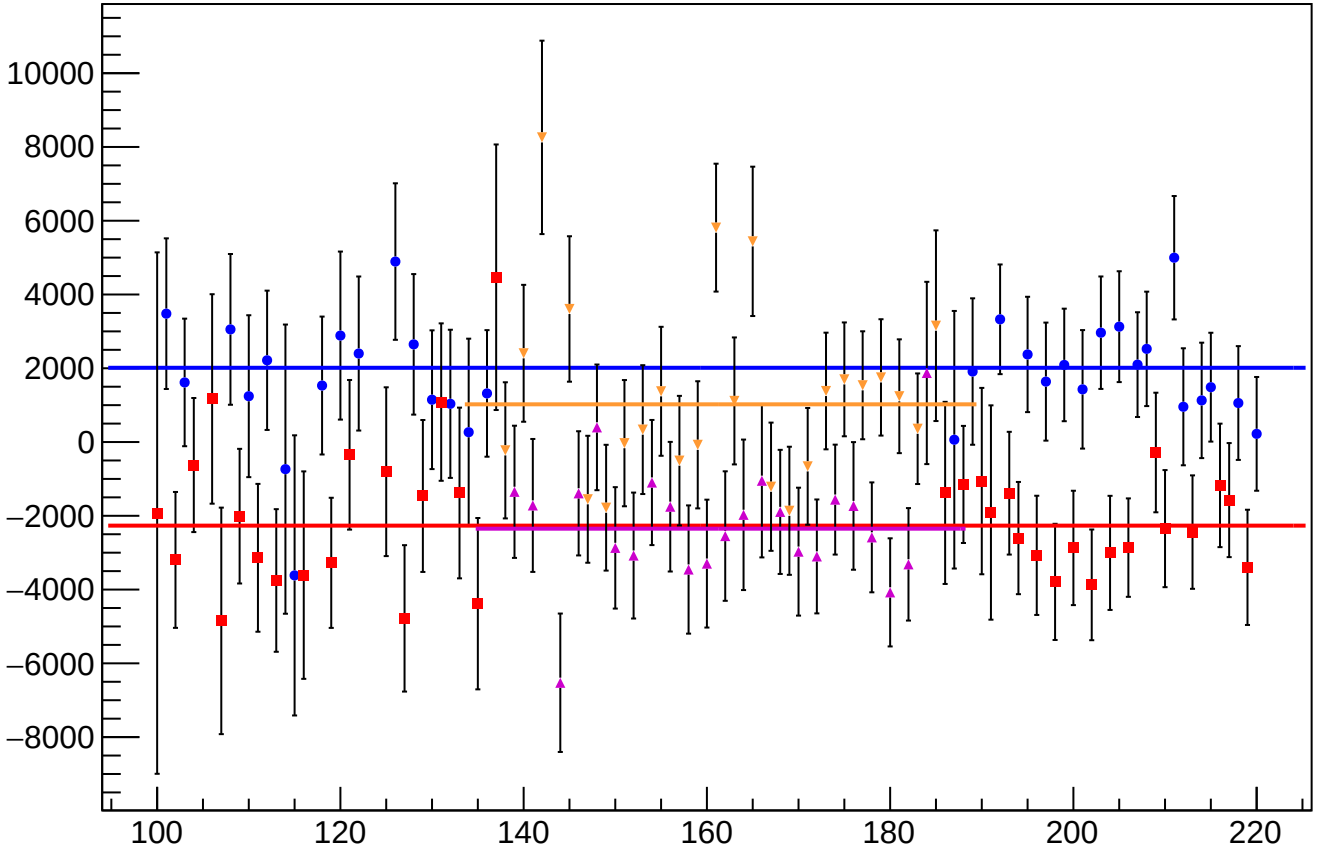
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 15683498.9/56

All: 0.000+/-0.000 χ^2/NDF: 32808775.1/115

- sign 0.000+/-0.000 χ^2/NDF: 17098711.3/58

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2013.029+/-311.286 χ^2/NDF: 15.1/32

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2266.520+/-310.923 χ^2/NDF: 21.4/35

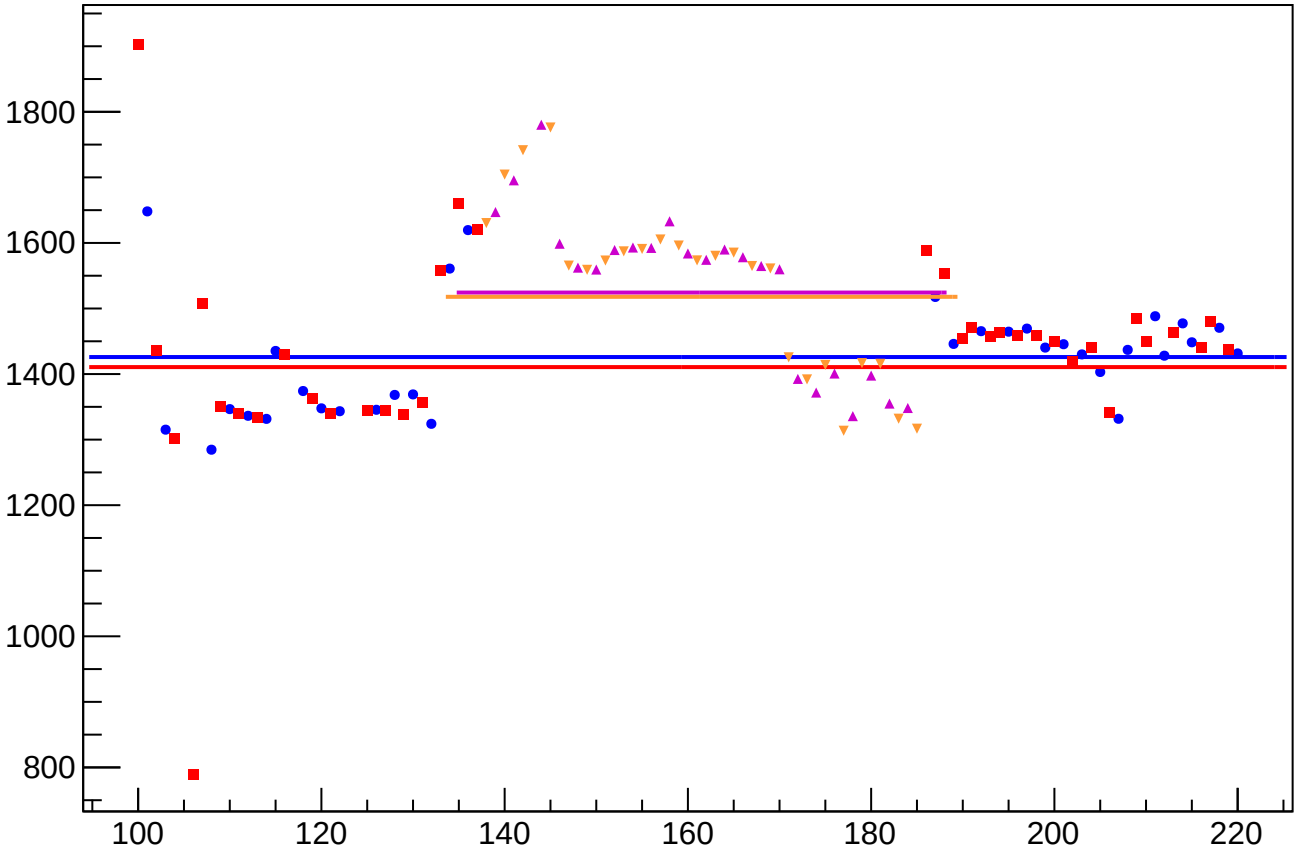
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1580.398+/-233.607 χ^2/NDF: 56.0/56

All: -353.609+/-165.495 χ^2/NDF: 231.0/115

- sign -2302.171+/-234.485 χ^2/NDF: 37.4/58

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1425.960+/-0.220 χ^2/NDF: 122212.5/32

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1410.633+/-0.217 χ^2/NDF: 415417.9/35

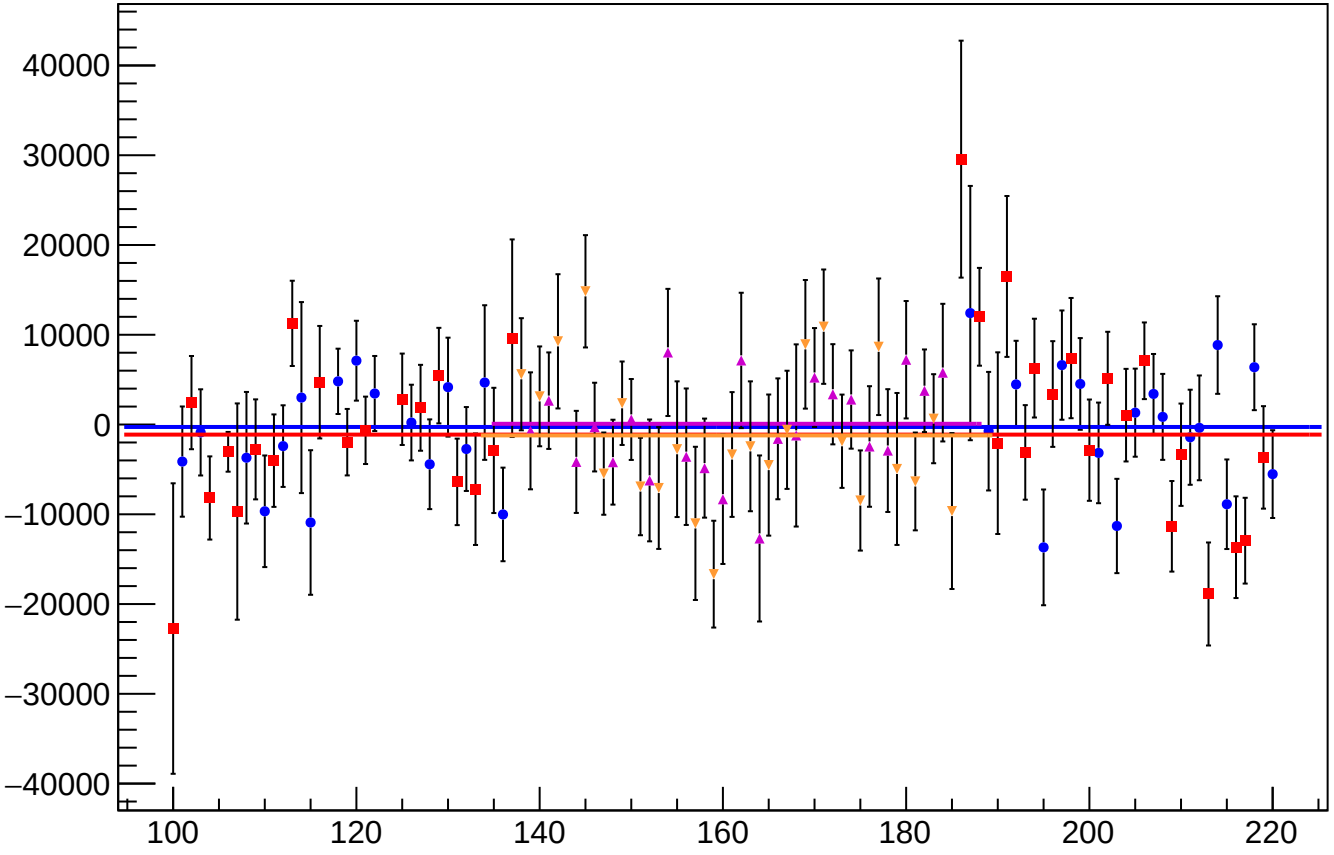
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1466.084+/-0.165 χ^2/NDF: 432240.0/56

All: 1462.537+/-0.117 χ^2/NDF: 1189351.7/11

- sign 1459.011+/-0.165 χ^2/NDF: 756192.4/58

asym_usl_atl2_avg_reg_correction_mean vs Slug



Right In: -272.450+/-919.274 χ^2/NDF: 38.6/32

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: -1123.519+/-861.819 χ^2/NDF: 69.4/35

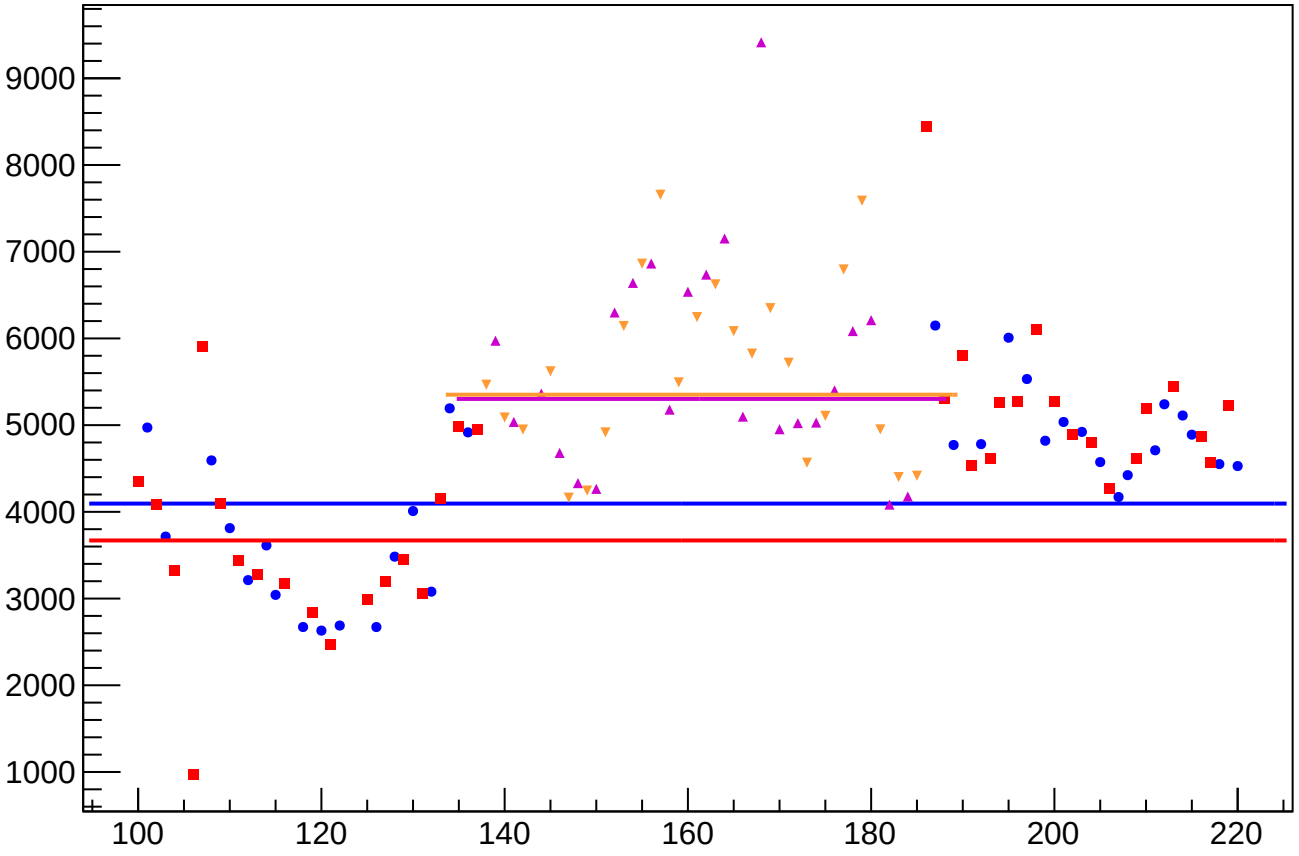
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -596.000+/-744.325 χ^2/NDF: 72.2/56

All: -671.951+/-514.552 χ^2/NDF: 155.5/115

- sign -741.471+/-712.117 χ^2/NDF: 83.2/58

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 4095.222+/-0.650 χ^2/NDF: 2188455.5/32

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3670.142+/-0.609 χ^2/NDF: 5935042.9/35

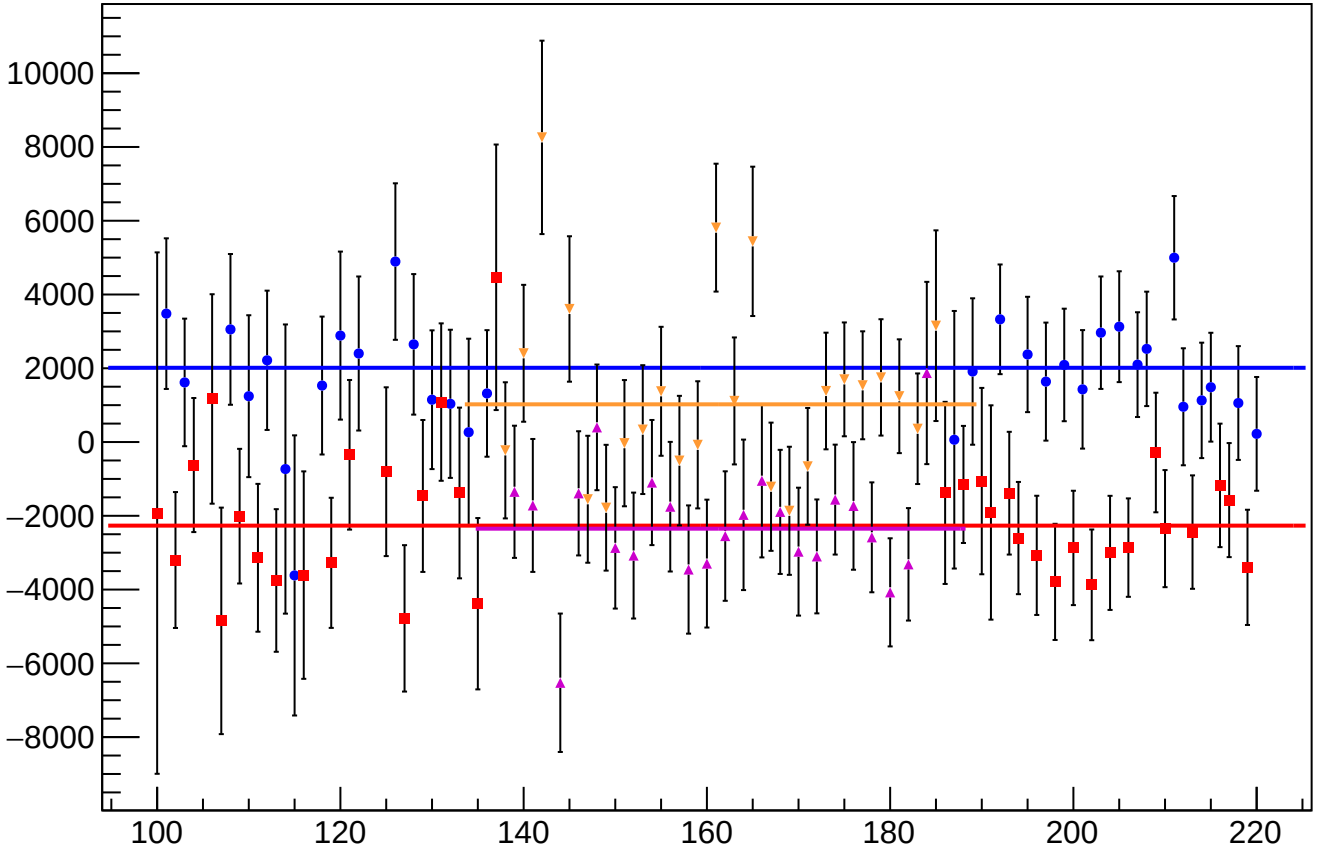
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4527.763+/-0.526 χ^2/NDF: 4540152.6/56

All: 4350.312+/-0.364 χ^2/NDF: 14224556.7/1

- sign 4187.887+/-0.504 χ^2/NDF: 9466681.1/58

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2013.007+/-311.286 χ^2/NDF: 15.1/32

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2266.586+/-310.924 χ^2/NDF: 21.4/35

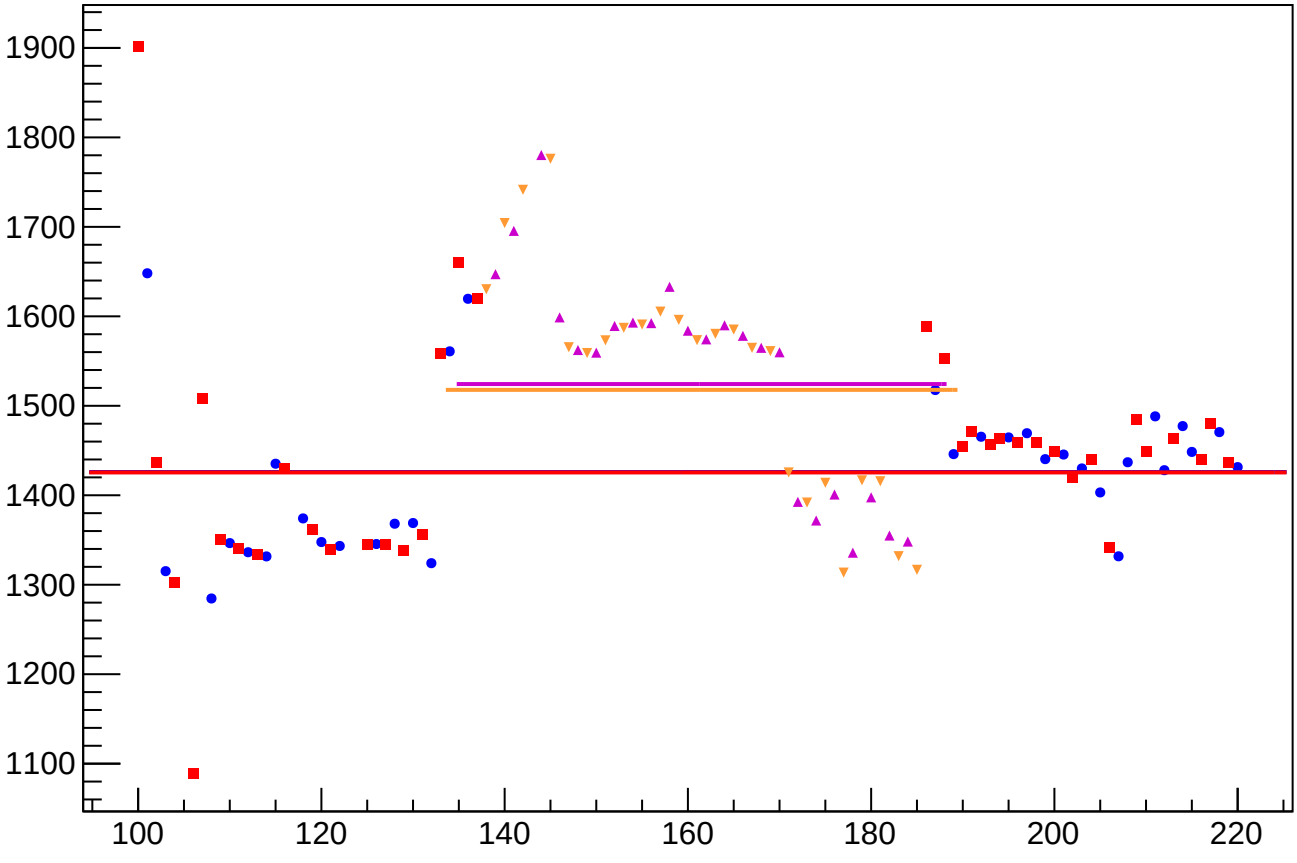
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1580.399+/-233.607 χ^2/NDF: 56.0/56

All: -353.624+/-165.495 χ^2/NDF: 231.0/115

- sign -2302.207+/-234.485 χ^2/NDF: 37.4/58

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1425.960+/-0.220 χ^2/NDF: 122212.5/32

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

Right Out: 1425.543+/-0.219 χ^2/NDF: 174304.1/35

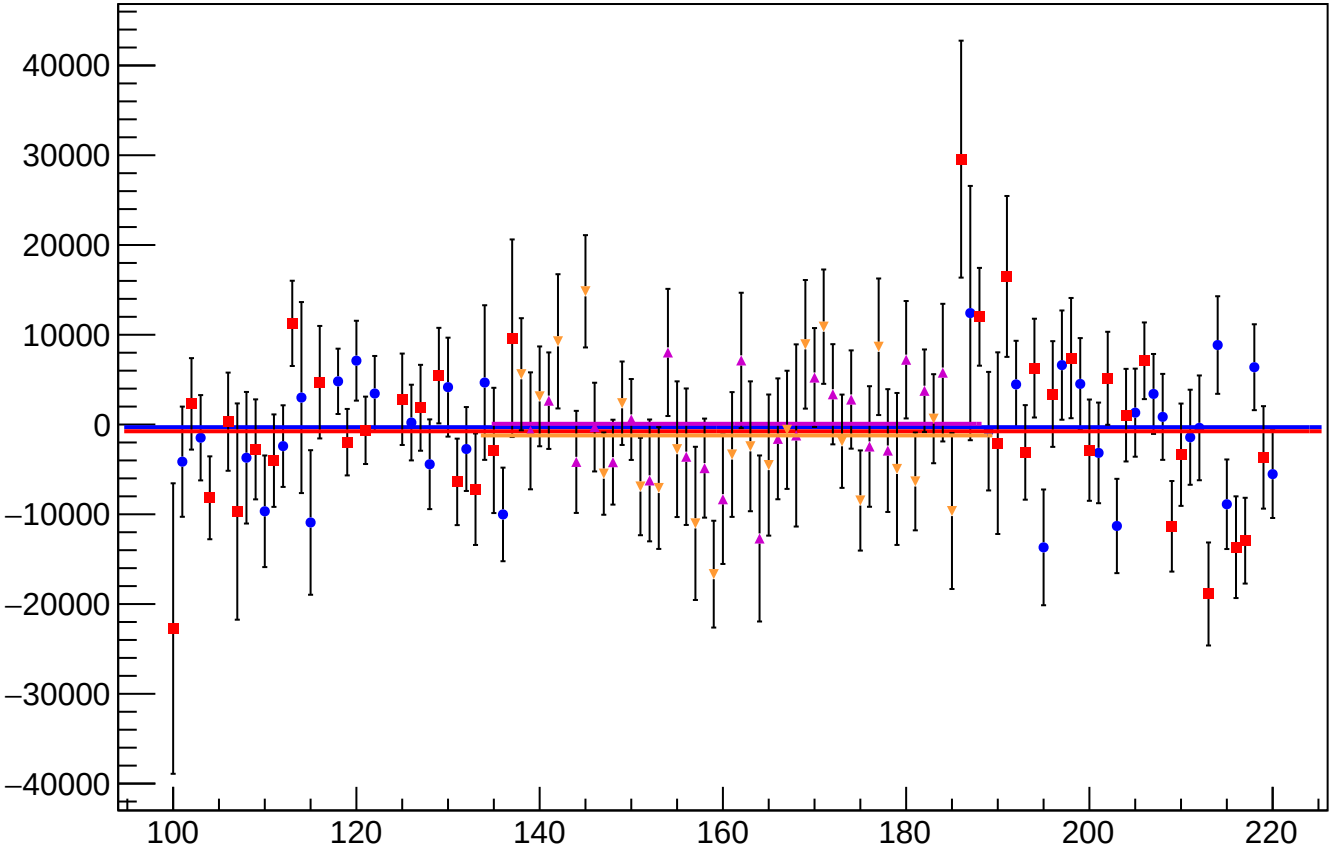
Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1466.084+/-0.165 χ^2/NDF: 432240.1/56

All: 1466.993+/-0.117 χ^2/NDF: 918326.5/115

- sign 1467.904+/-0.165 χ^2/NDF: 486025.7/58

asym_usl_atl2_avg_cor_correction_mean vs Slug



Right In: -295.480+/-918.921 χ^2/NDF: 38.7/32

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: -752.085+/-921.513 χ^2/NDF: 68.5/35

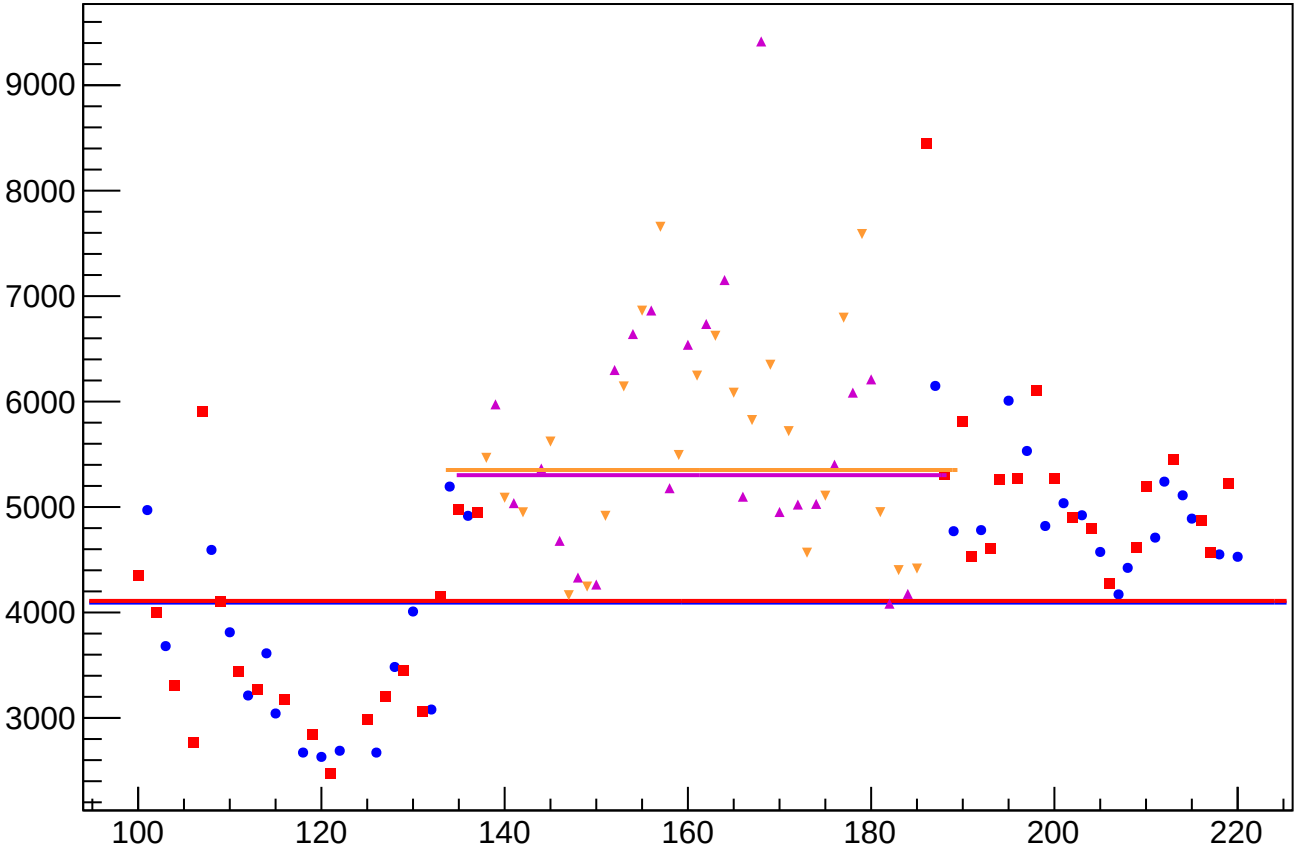
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -610.938+/-744.138 χ^2/NDF: 72.3/56

All: -537.109+/-526.383 χ^2/NDF: 154.3/115

- sign -463.169+/-744.699 χ^2/NDF: 82.0/58

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 4093.662+/-0.650 χ^2/NDF: 2190982.5/32

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 4109.752+/-0.652 χ^2/NDF: 2554419.8/35

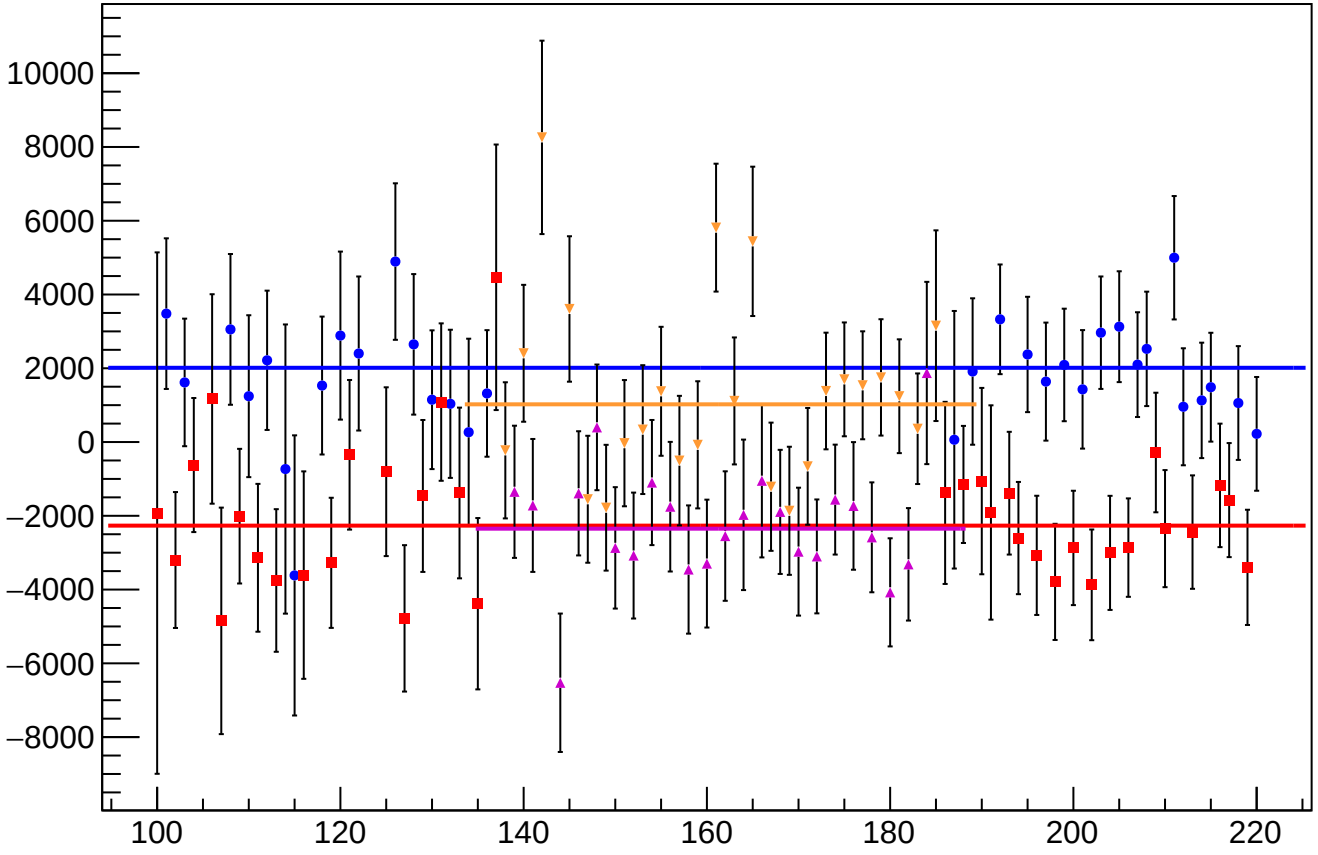
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

\+ sign 4526.523+/-0.526 χ^2/NDF: 4546220.7/56

All: 4524.984+/-0.372 χ^2/NDF: 9518785.3/11

\- sign 4523.442+/-0.527 χ^2/NDF: 4972547.5/58

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2013.007+/-311.286 χ^2/NDF: 15.1/32

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2266.586+/-310.924 χ^2/NDF: 21.4/35

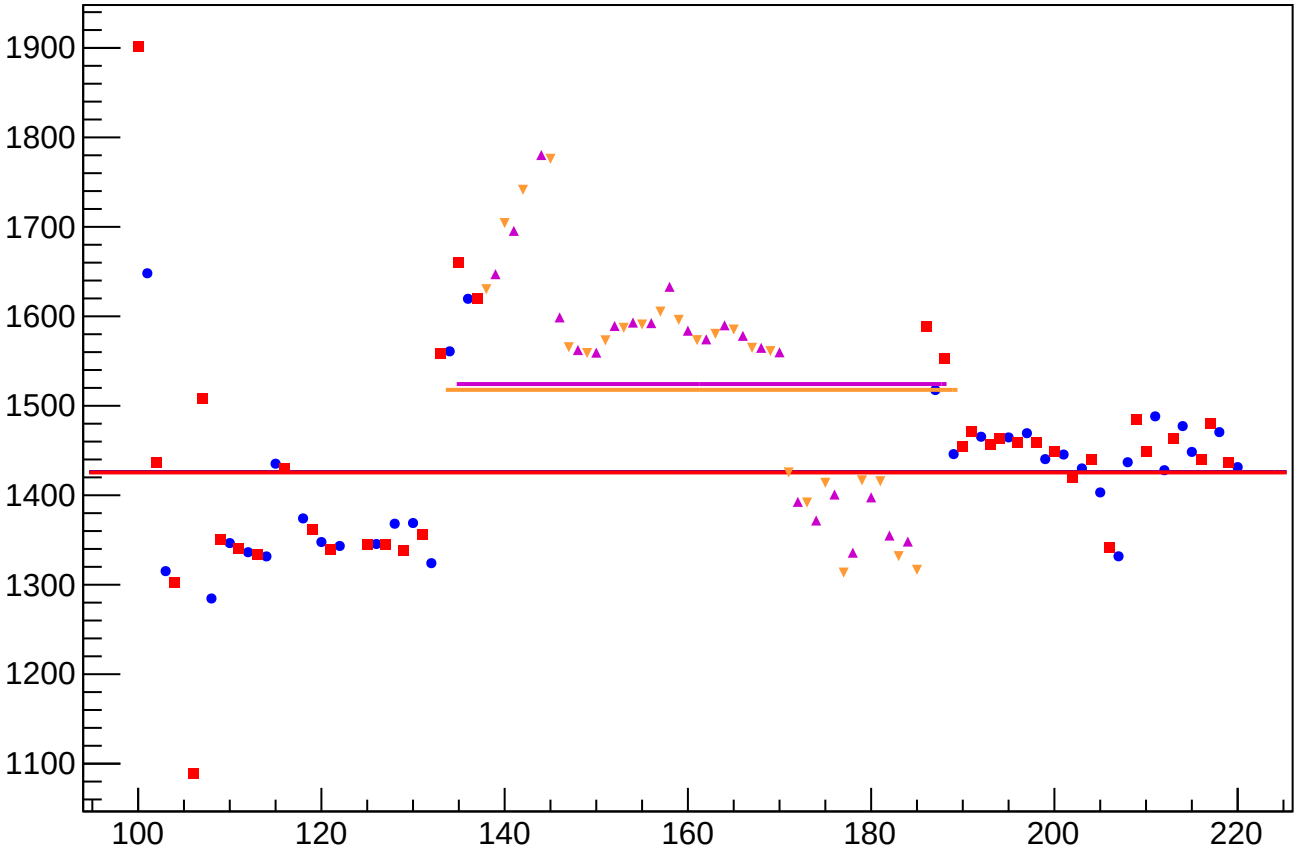
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1580.399+/-233.607 χ^2/NDF: 56.0/56

All: -353.624+/-165.495 χ^2/NDF: 231.0/115

- sign -2302.207+/-234.485 χ^2/NDF: 37.4/58

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1425.960+/-0.220 χ^2/NDF: 122212.5/32

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

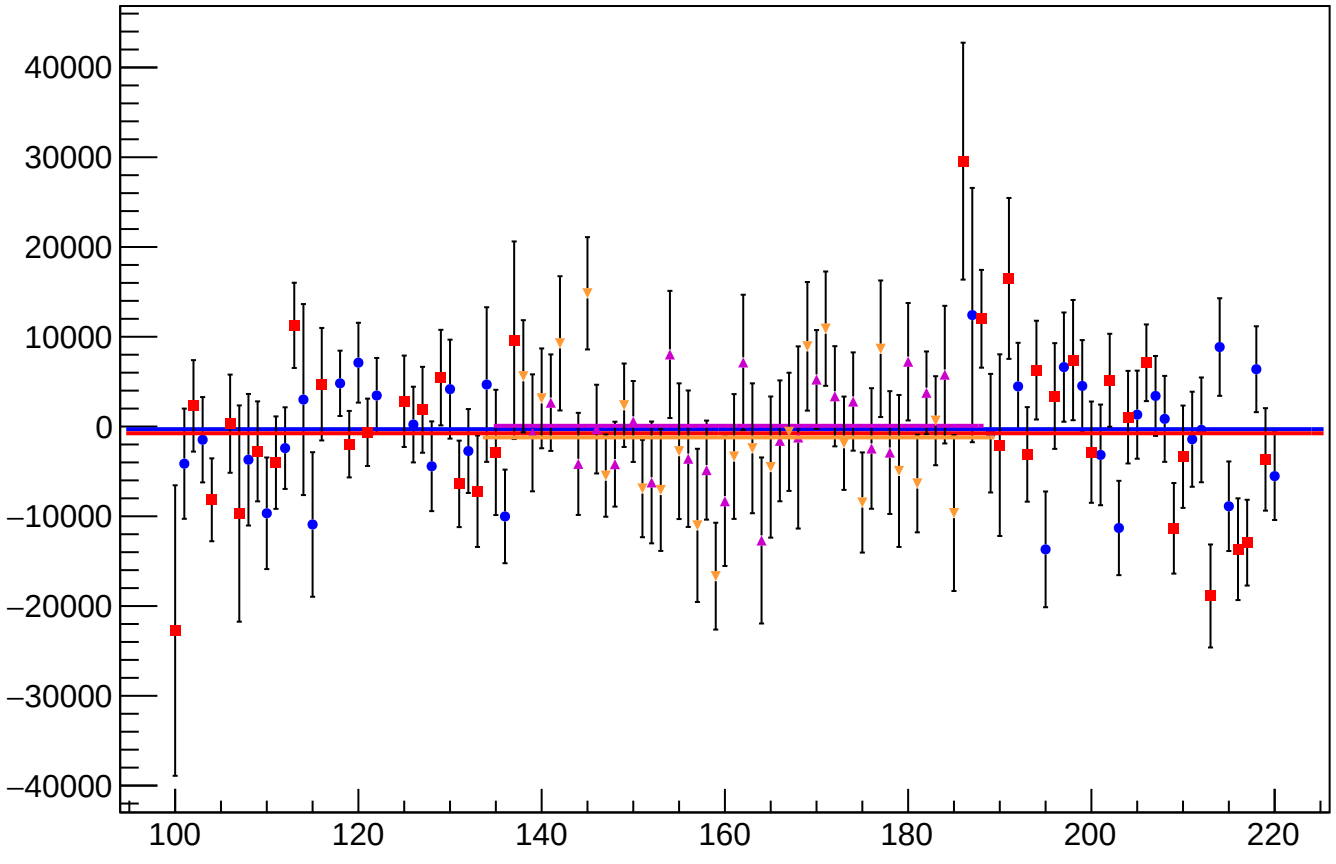
Right Out: 1425.543+/-0.219 χ^2/NDF: 174304.1/35

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1466.084+/-0.165 χ^2/NDF: 432240.1/56

All: 1466.993+/-0.117 χ^2/NDF: 918326.5/115

- sign 1467.904+/-0.165 χ^2/NDF: 486025.7/58



Right In: -295.480+/-918.921 χ^2/NDF: 38.7/32

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

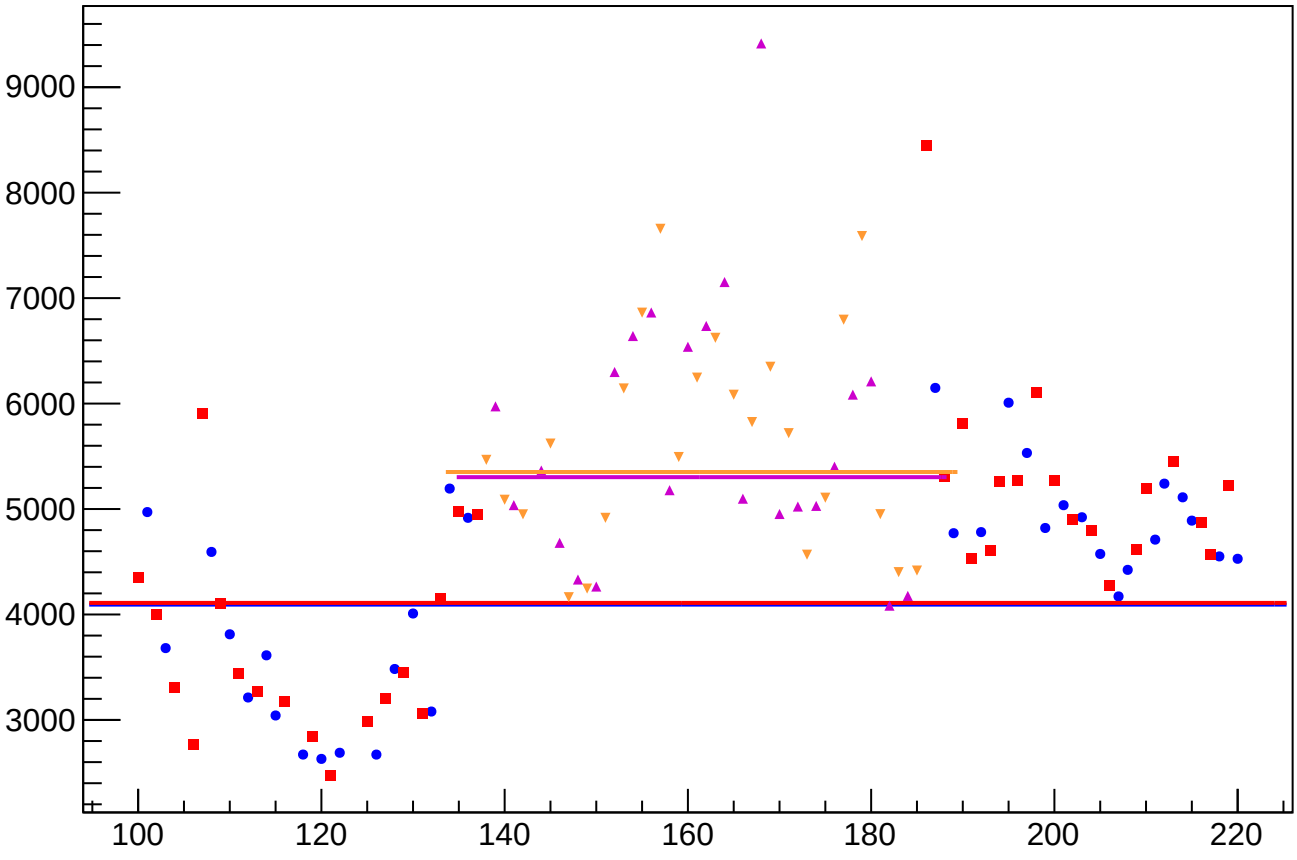
Right Out: -752.085+/-921.513 χ^2/NDF: 68.5/35

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -610.938+/-744.138 χ^2/NDF: 72.3/56

All: -537.109+/-526.383 χ^2/NDF: 154.3/115

- sign -463.169+/-744.699 χ^2/NDF: 82.0/58



Right In: 4093.662+/-0.650 χ^2/NDF: 2190982.5/32

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 4109.752+/-0.652 χ^2/NDF: 2554419.8/35

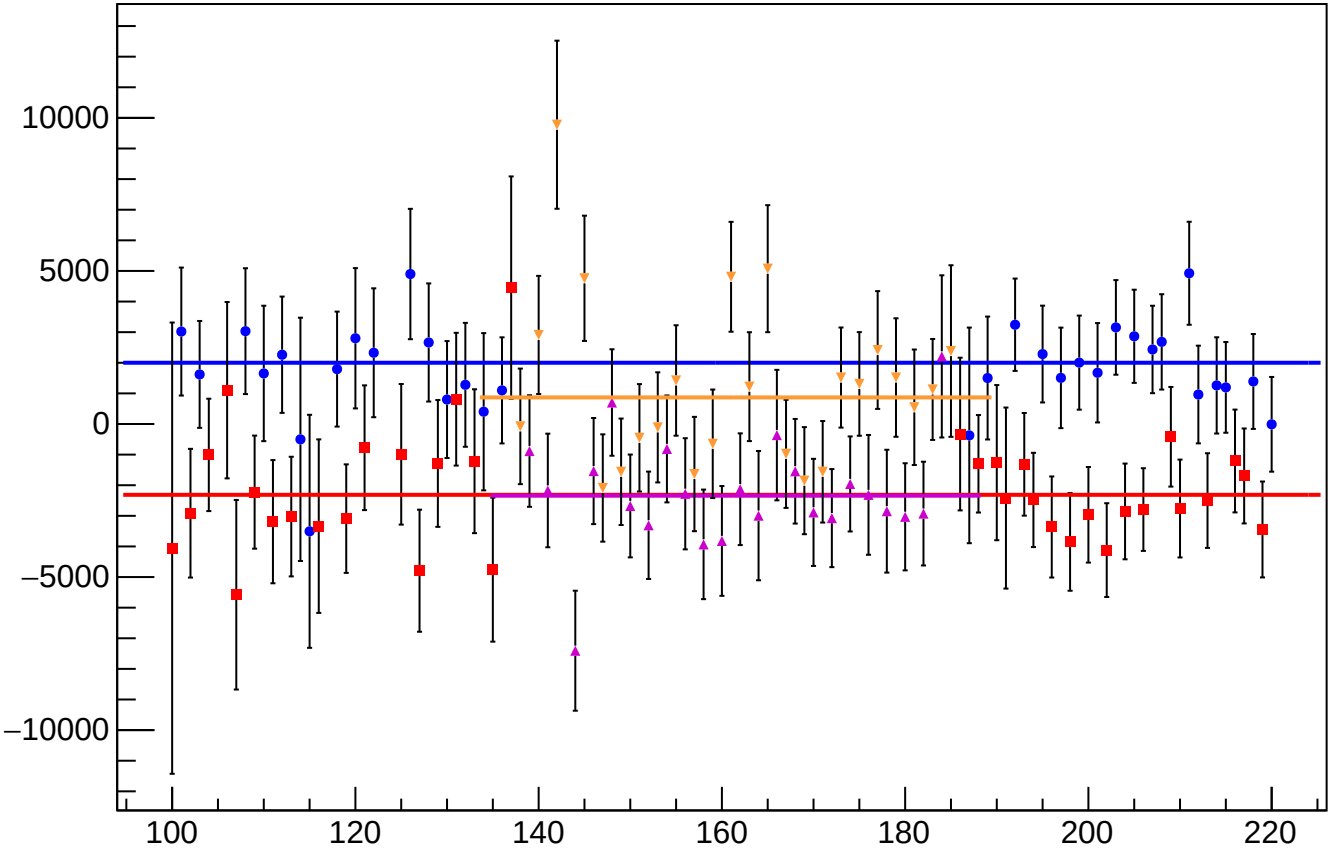
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4526.523+/-0.526 χ^2/NDF: 4546220.7/56

All: 4524.984+/-0.372 χ^2/NDF: 9518785.3/11

- sign 4523.442+/-0.527 χ^2/NDF: 4972547.5/58

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2001.214+/-314.125 χ^2/NDF: 14.7/32

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2313.576+/-314.718 χ^2/NDF: 20.6/35

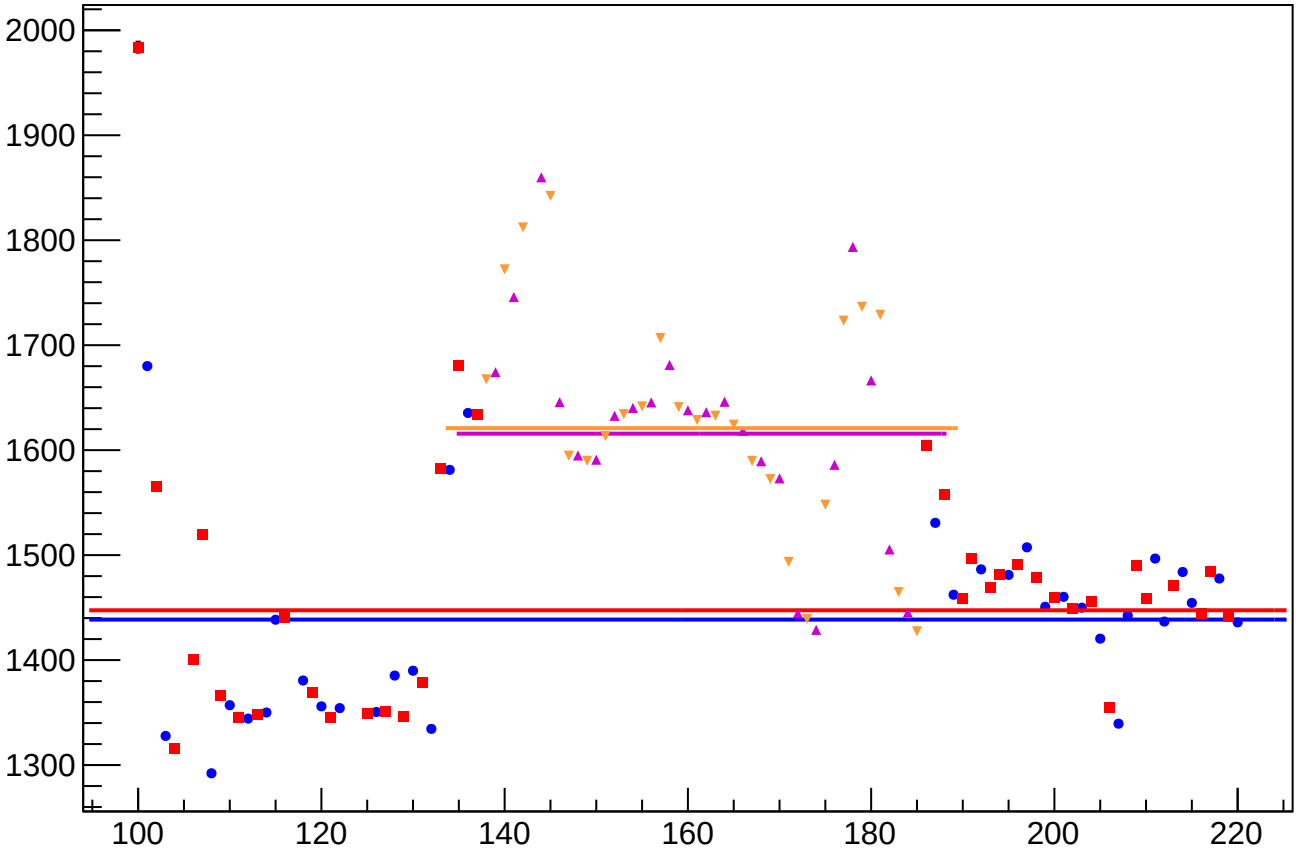
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1537.286+/-241.378 χ^2/NDF: 59.8/56

All: -389.915+/-170.861 χ^2/NDF: 226.2/115

- sign -2325.333+/-241.892 χ^2/NDF: 38.7/58

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1438.583+/-0.222 χ^2/NDF: 129505.0/32

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1447.453+/-0.222 χ^2/NDF: 133094.0/35

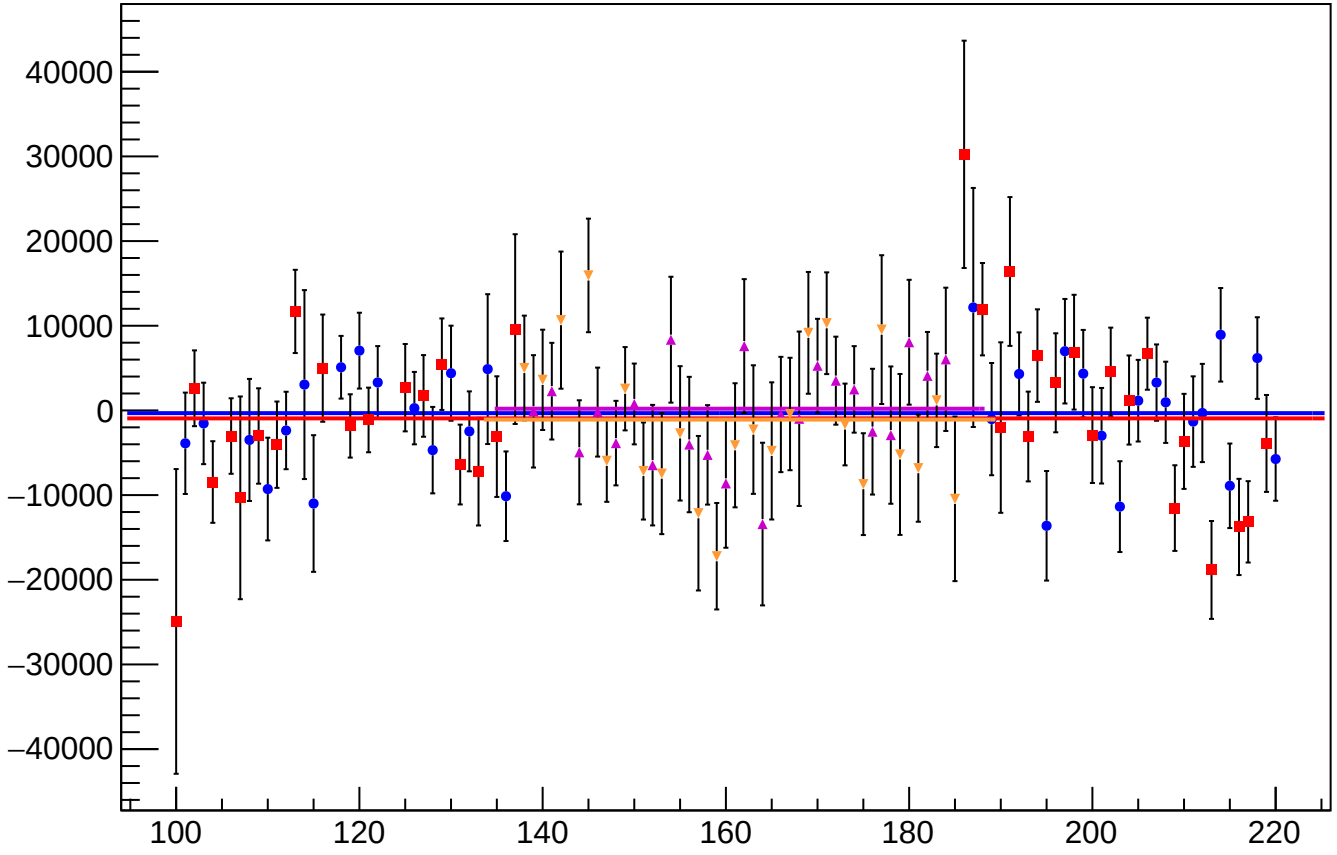
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1513.268+/-0.171 χ^2/NDF: 547545.1/56

All: 1514.749+/-0.121 χ^2/NDF: 1052049.7/11

- sign 1516.234+/-0.171 χ^2/NDF: 504353.8/58

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -322.577+/-926.681 χ^2/NDF: 38.1/32

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

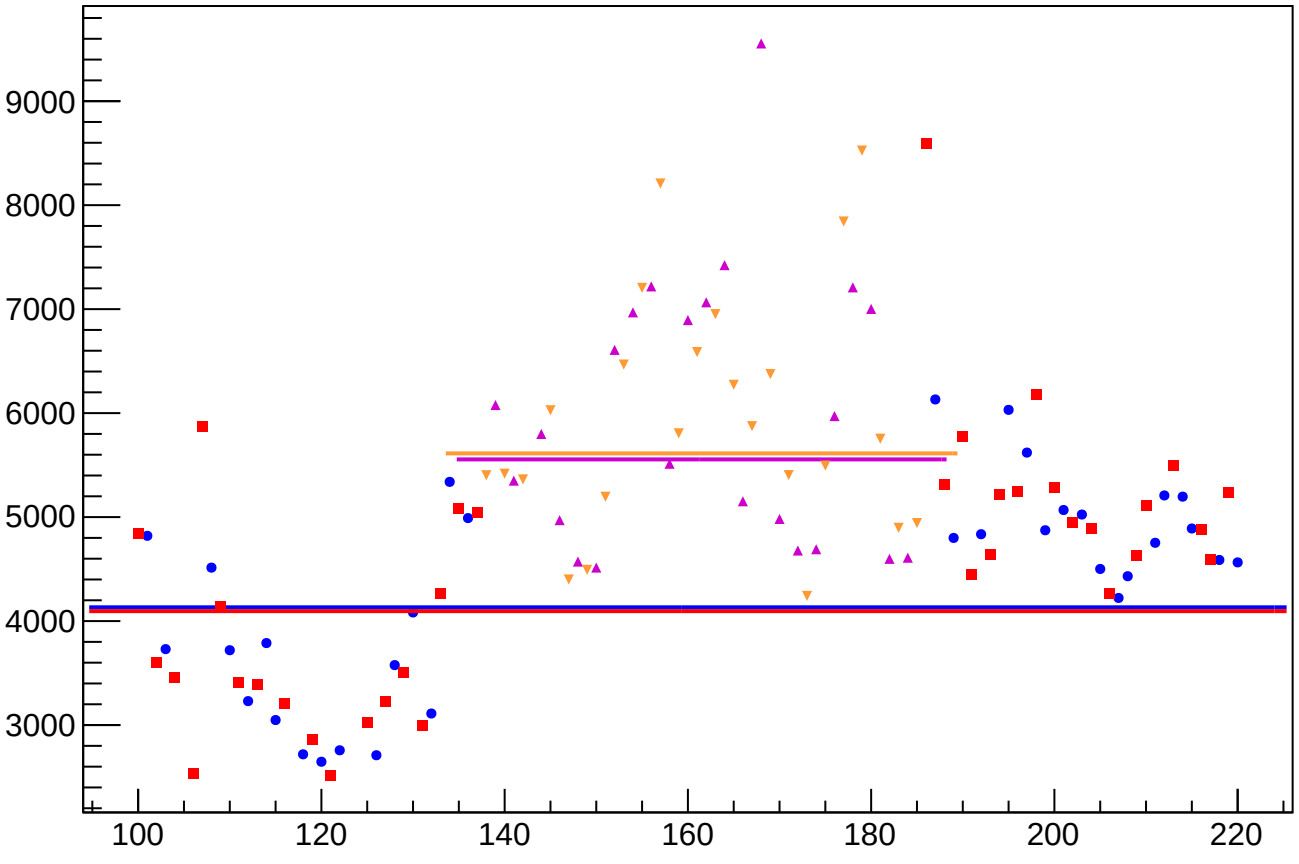
Right Out: -940.113+/-917.132 χ^2/NDF: 68.6/35

Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -570.237+/-760.773 χ^2/NDF: 71.2/56

All: -570.478+/-535.652 χ^2/NDF: 153.2/115

- sign -570.716+/-754.322 χ^2/NDF: 82.0/58



Right In: 4132.378+/-0.655 χ^2/NDF: 2127162.8/32

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 4095.656+/-0.649 χ^2/NDF: 2655497.6/35

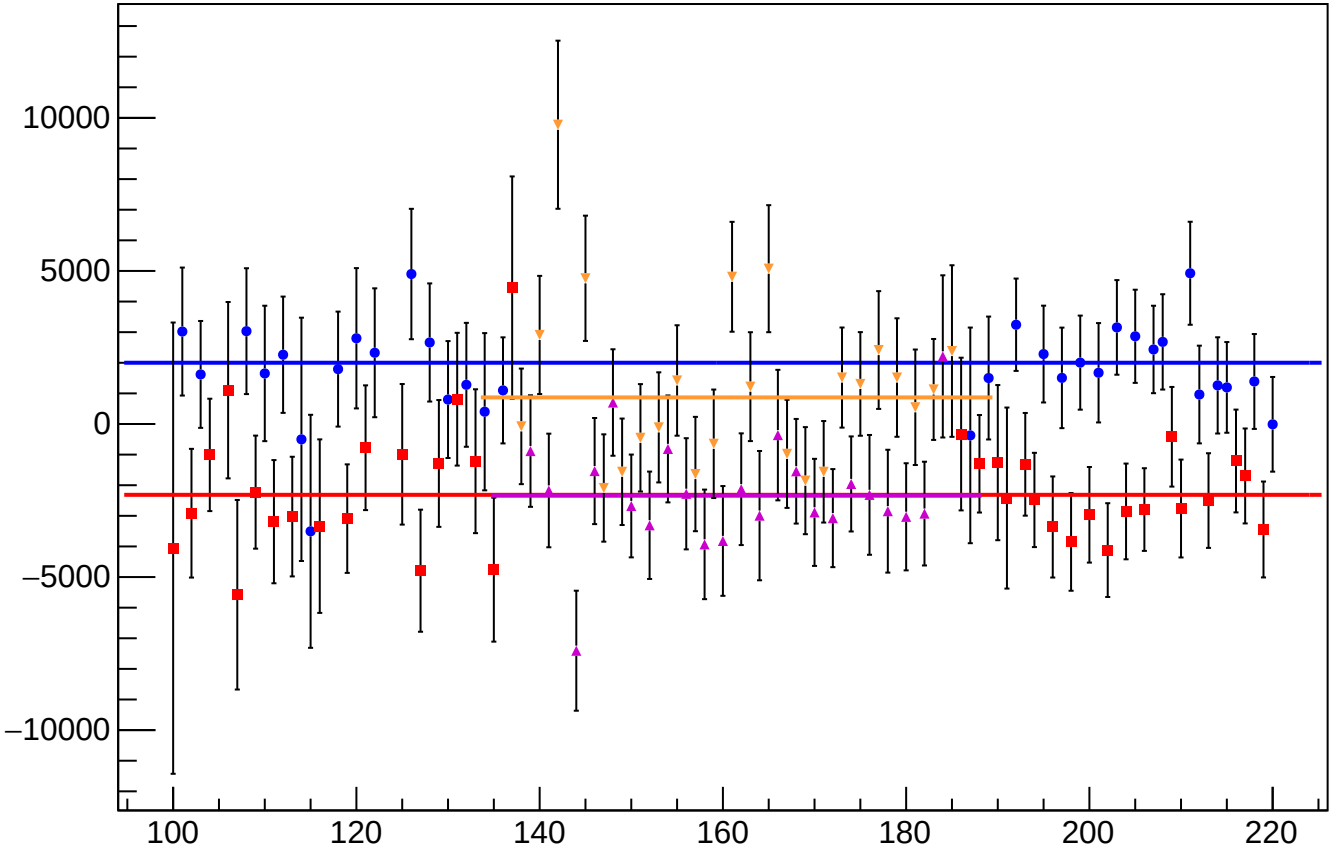
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4614.996+/-0.538 χ^2/NDF: 4979225.1/56

All: 4591.183+/-0.379 χ^2/NDF: 10609717.5/1

- sign 4567.772+/-0.533 χ^2/NDF: 5626606.3/58

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2001.215+/-314.125 χ^2/NDF: 14.7/32

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2313.573+/-314.718 χ^2/NDF: 20.6/35

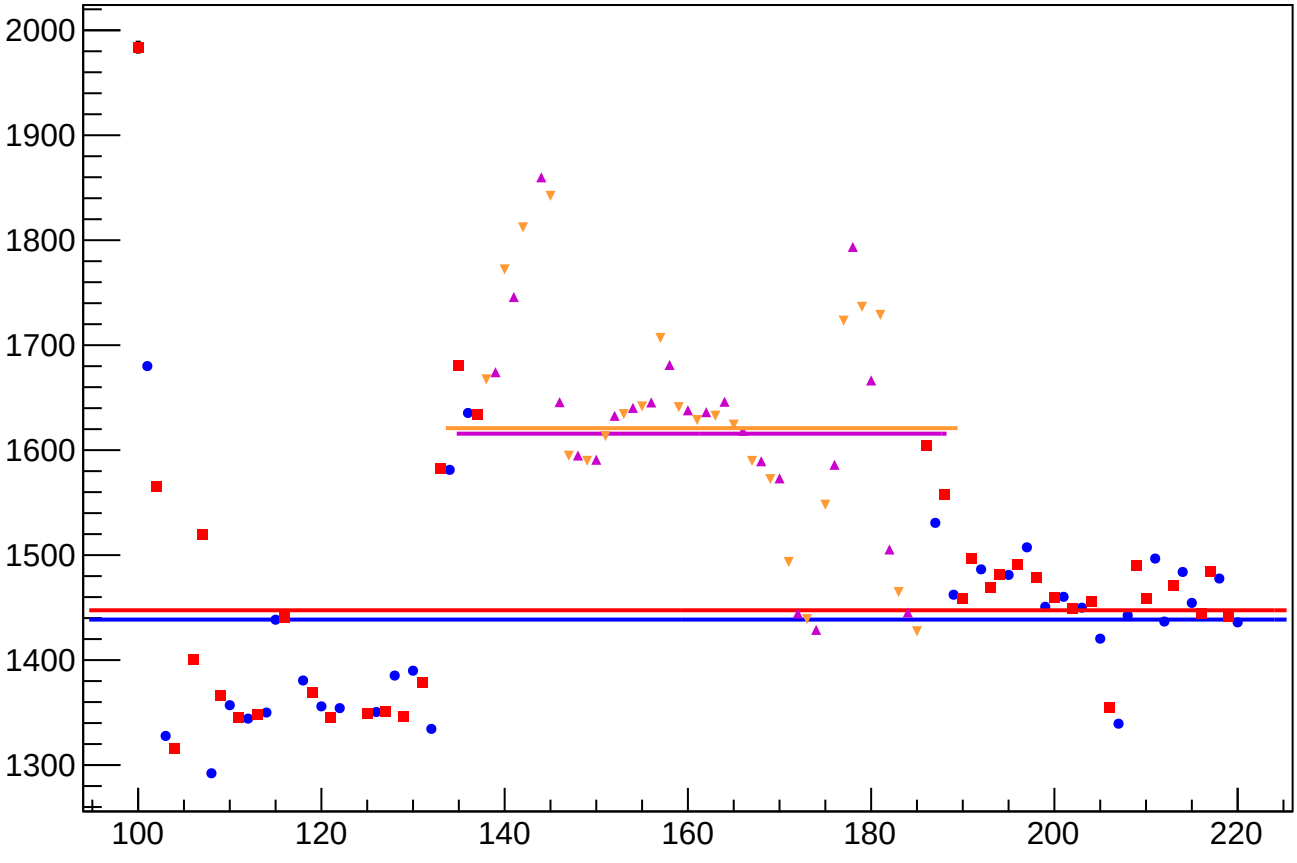
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1537.285+/-241.378 χ^2/NDF: 59.8/56

All: -389.915+/-170.861 χ^2/NDF: 226.2/115

- sign -2325.331+/-241.892 χ^2/NDF: 38.7/58

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1438.583+/-0.222 χ^2/NDF: 129505.1/32

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

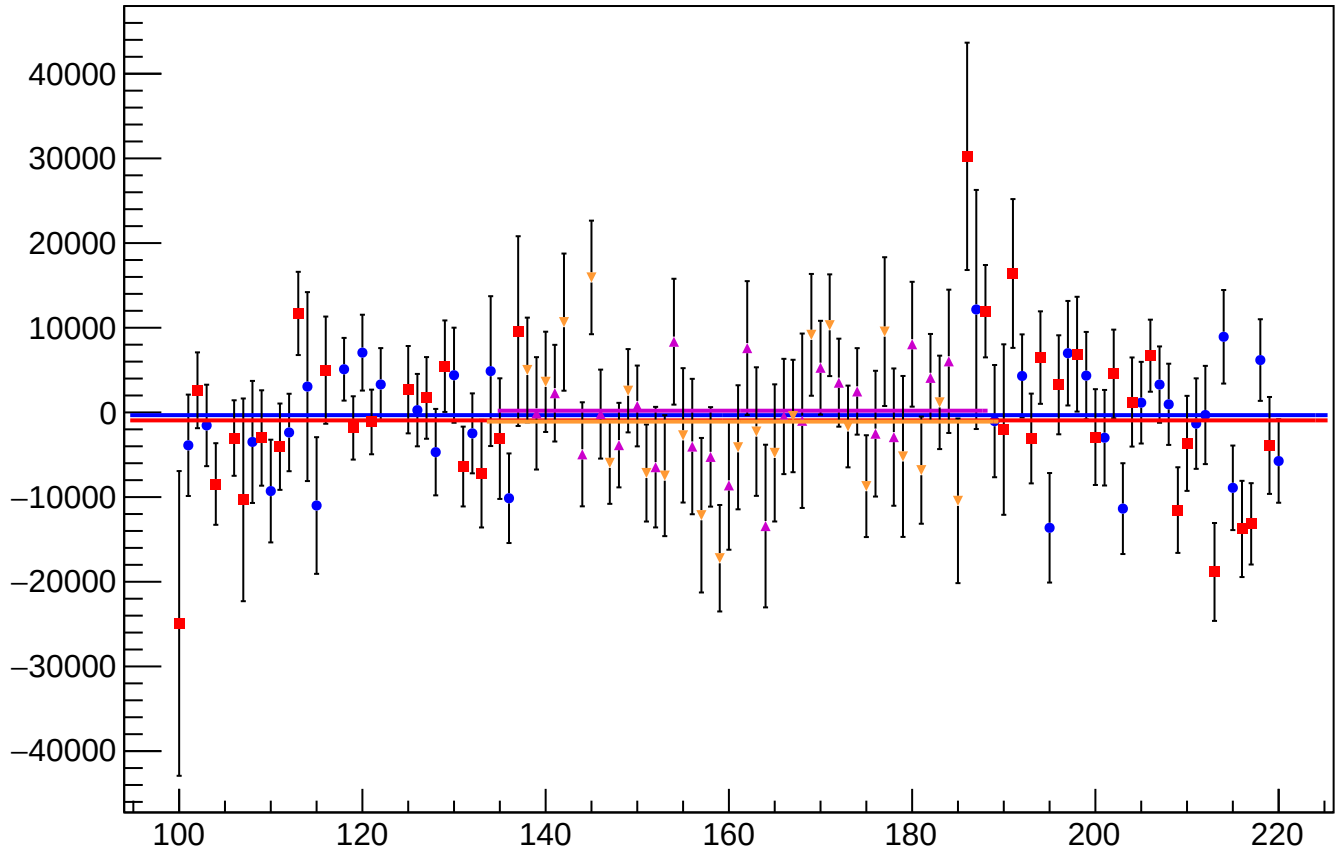
Right Out: 1447.453+/-0.222 χ^2/NDF: 133094.3/35

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1513.268+/-0.171 χ^2/NDF: 547553.2/56

All: 1514.749+/-0.121 χ^2/NDF: 1052066.2/11

- sign 1516.234+/-0.171 χ^2/NDF: 504362.2/58



Right In: -322.571+/-926.681 χ^2/NDF: 38.1/32

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

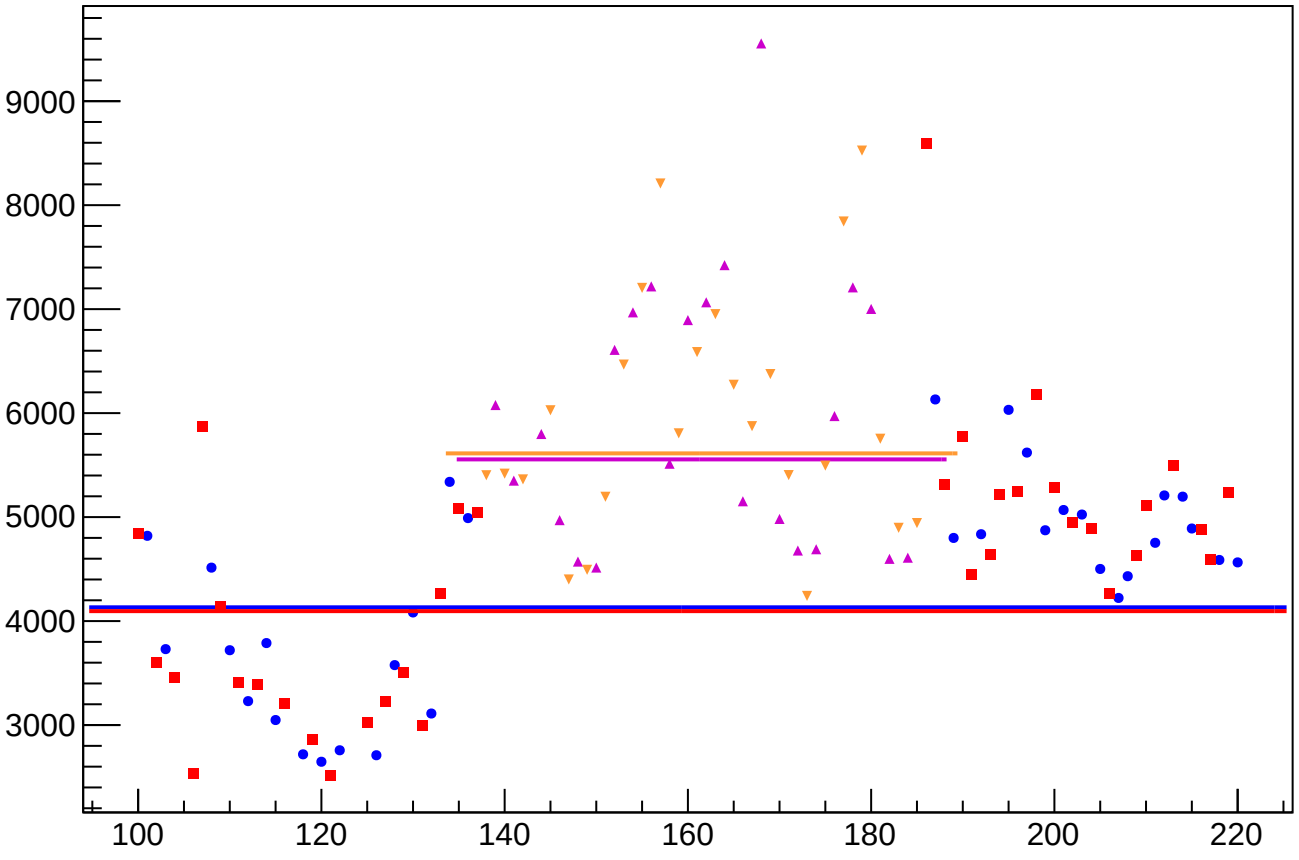
Right Out: -940.114+/-917.131 χ^2/NDF: 68.6/35

Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -570.235+/-760.773 χ^2/NDF: 71.2/56

All: -570.478+/-535.652 χ^2/NDF: 153.2/115

- sign -570.718+/-754.322 χ^2/NDF: 82.0/58



Right In: 4132.374+/-0.655 χ^2/NDF: 2127208.3/32

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 4095.650+/-0.649 χ^2/NDF: 2655536.0/35

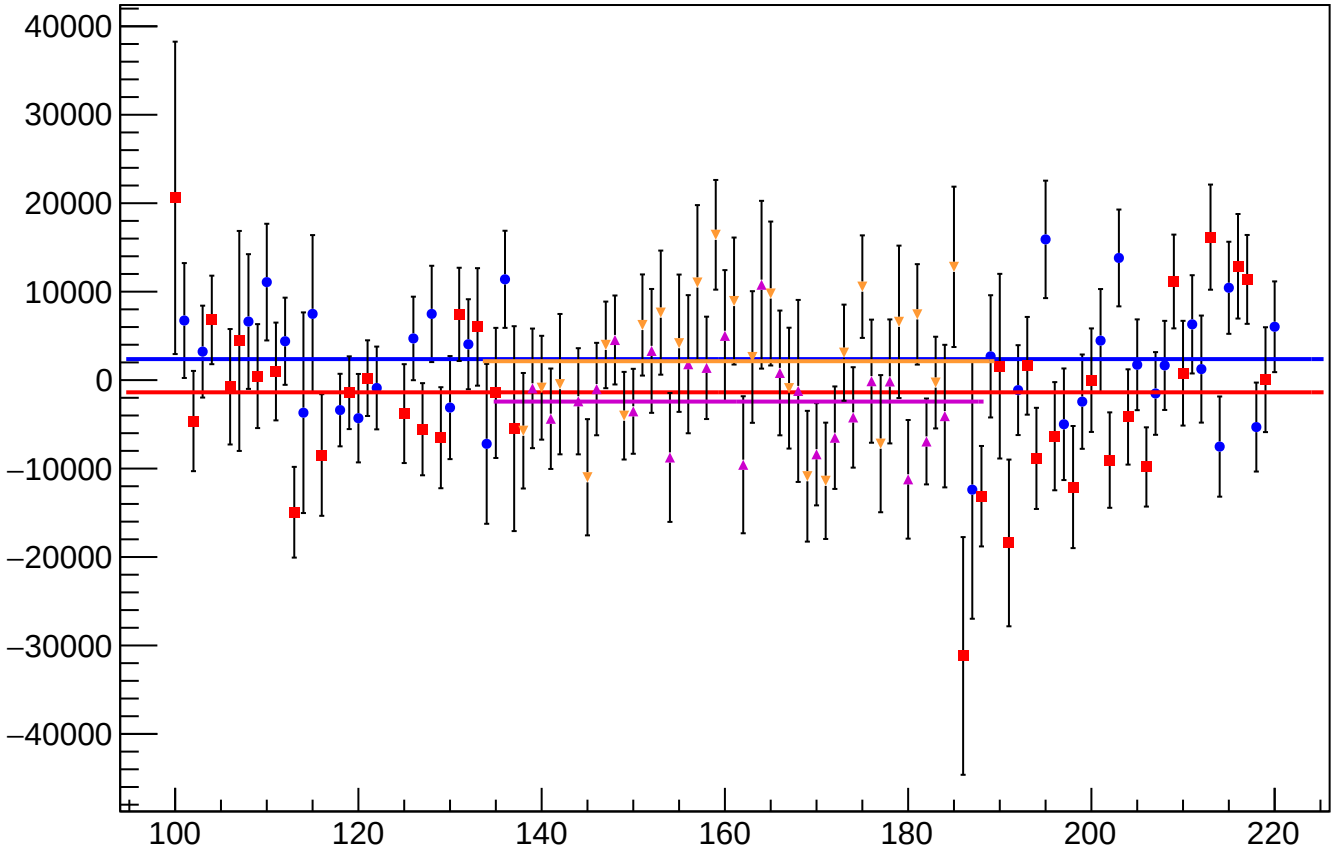
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4614.996+/-0.538 χ^2/NDF: 4979295.9/56

All: 4591.181+/-0.379 χ^2/NDF: 10609857.1/1

- sign 4567.769+/-0.533 χ^2/NDF: 5626674.8/58

asym_usl_atl2_avg_mean vs Slug



Right In: 2375.500+/-981.327 χ^2/NDF: 35.4/32

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -1379.341+/-986.293 χ^2/NDF: 69.3/35

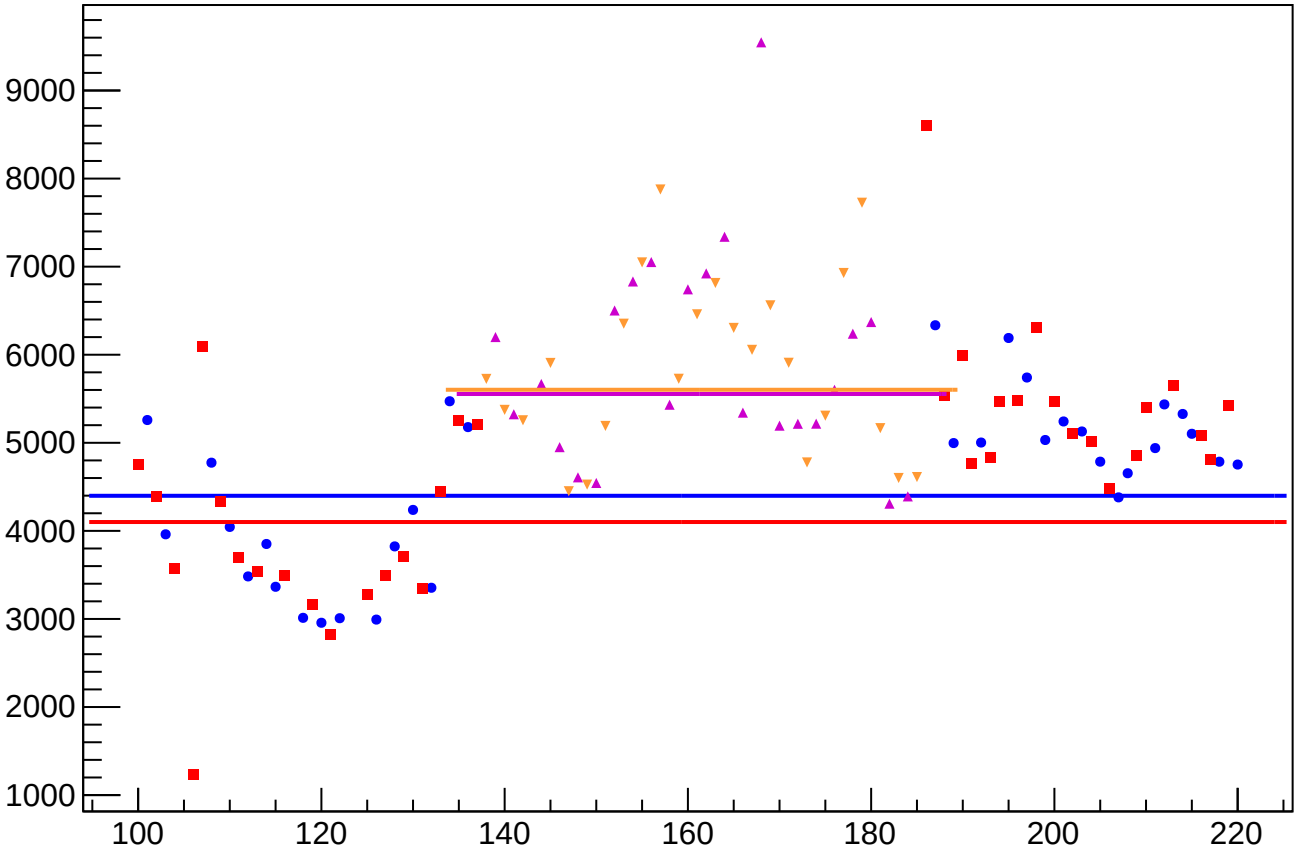
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2291.371+/-788.467 χ^2/NDF: 66.1/56

All: 273.121+/-558.188 χ^2/NDF: 161.8/115

- sign -1754.674+/-790.330 χ^2/NDF: 82.6/58

asym_usl_atl2_avg_rms vs Slug



Right In: 4398.403+/-0.694 χ^2/NDF: 1712207.0/32

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

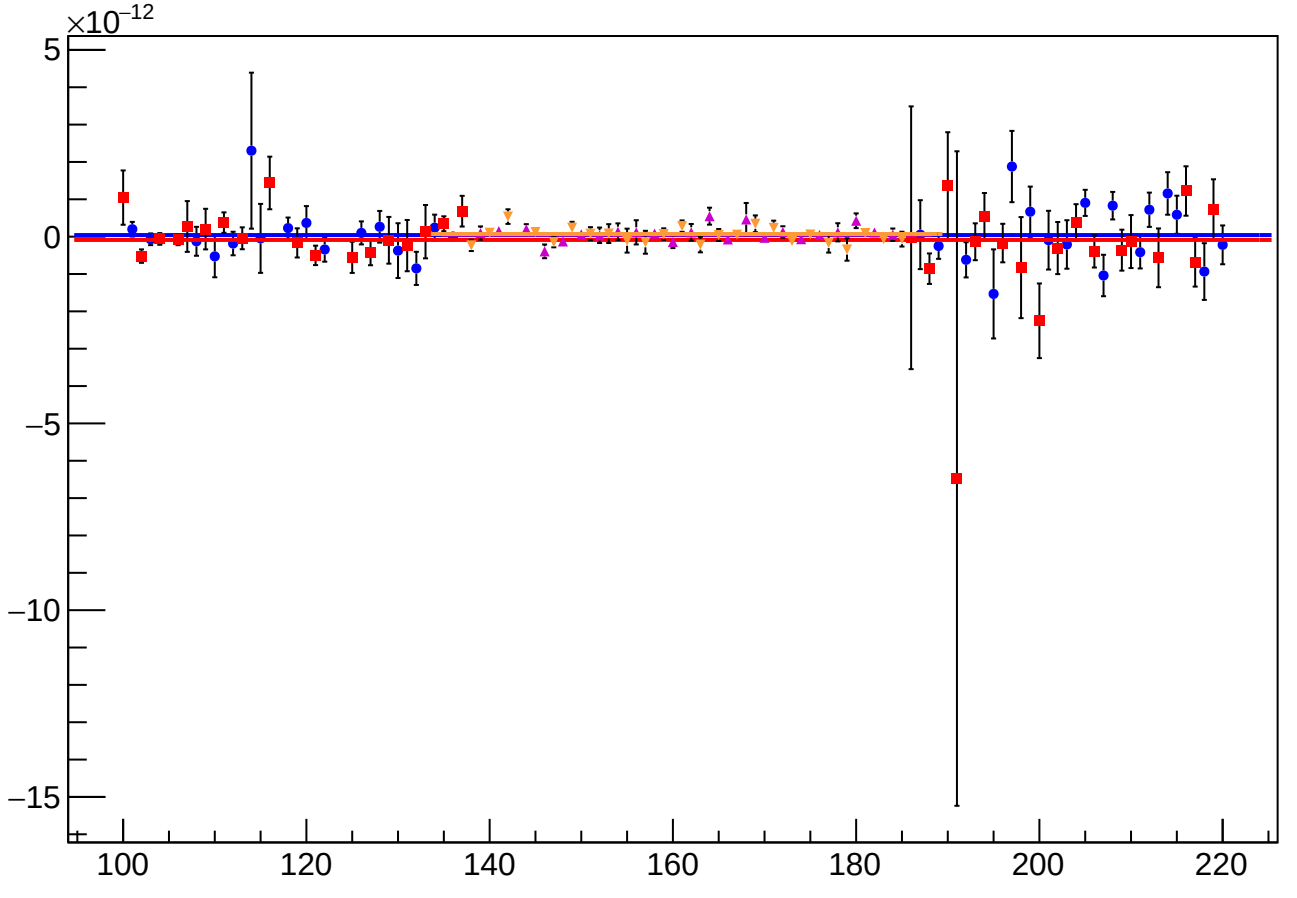
Right Out: 4100.570+/-0.666 χ^2/NDF: 4249971.4/35

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4825.094+/-0.558 χ^2/NDF: 3719485.4/56

All: 4704.278+/-0.389 χ^2/NDF: 10778667.0/1

- sign 4590.056+/-0.542 χ^2/NDF: 6967827.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 45.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 48.7/35

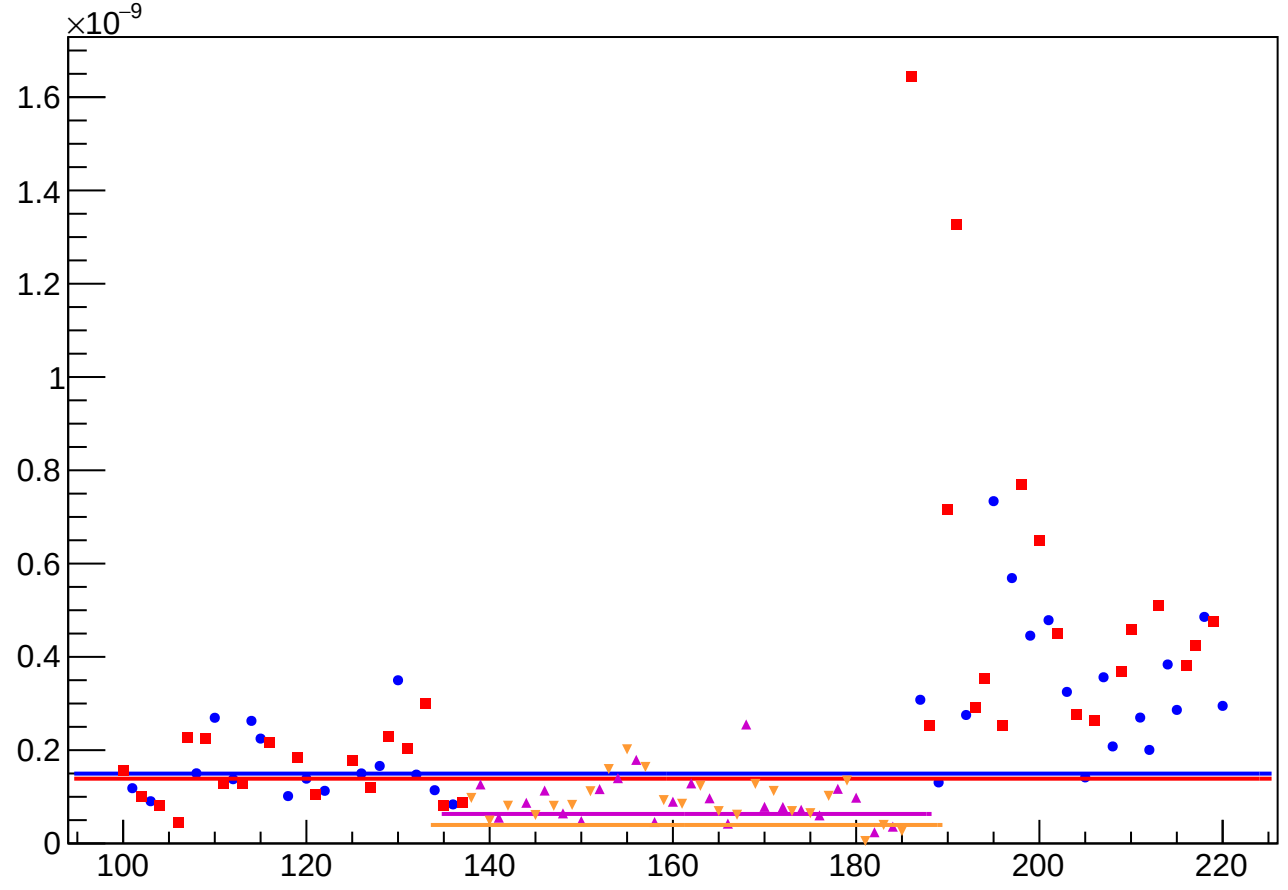
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.8/56

All: 0.000+/-0.000 χ^2/NDF: 153.7/115

- sign 0.000+/-0.000 χ^2/NDF: 78.6/58

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4680778.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7128723.6/35

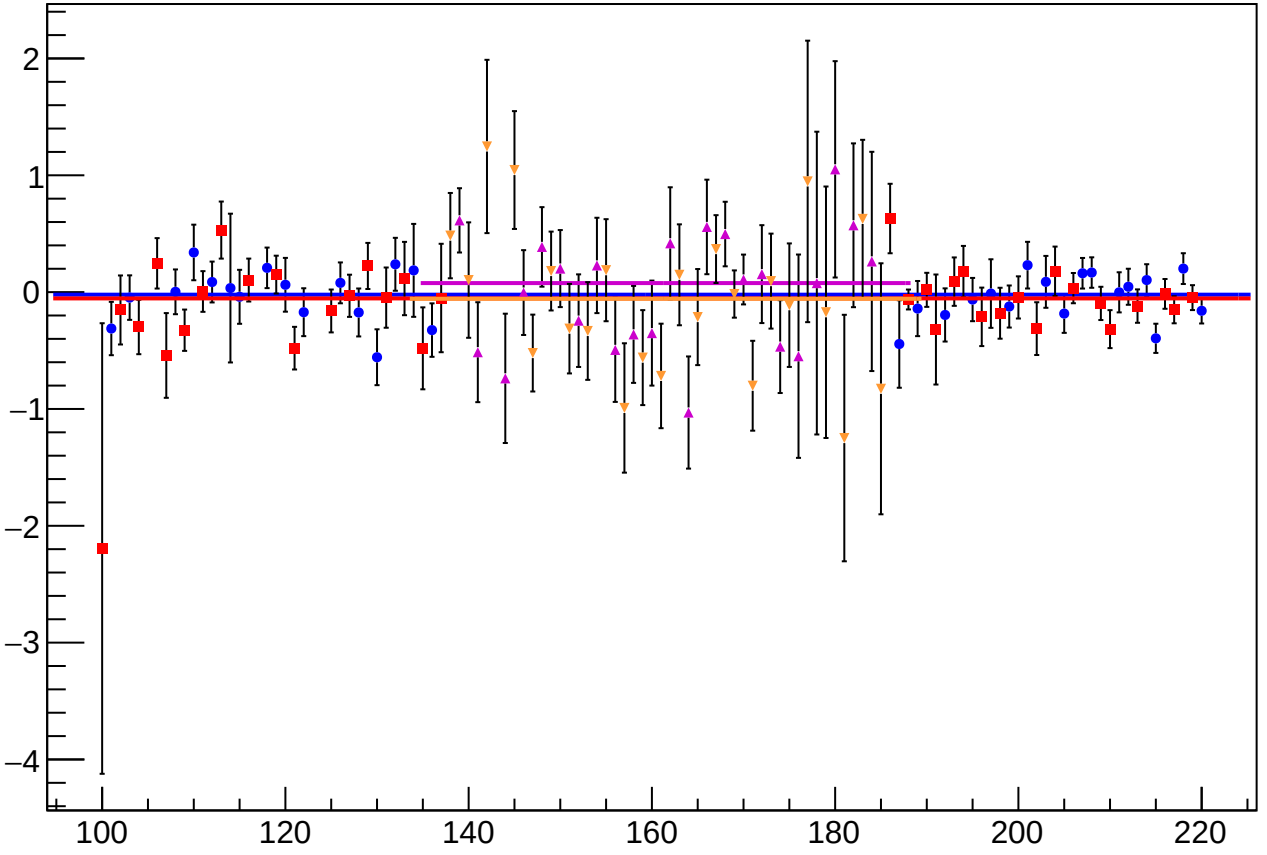
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 17322760.7/56

All: 0.000+/-0.000 χ^2/NDF: 31071986.3/115

- sign 0.000+/-0.000 χ^2/NDF: 12639838.6/58

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.022+/-0.032 χ^2/NDF: 39.8/32

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

Right Out: -0.054+/-0.030 χ^2/NDF: 41.2/35

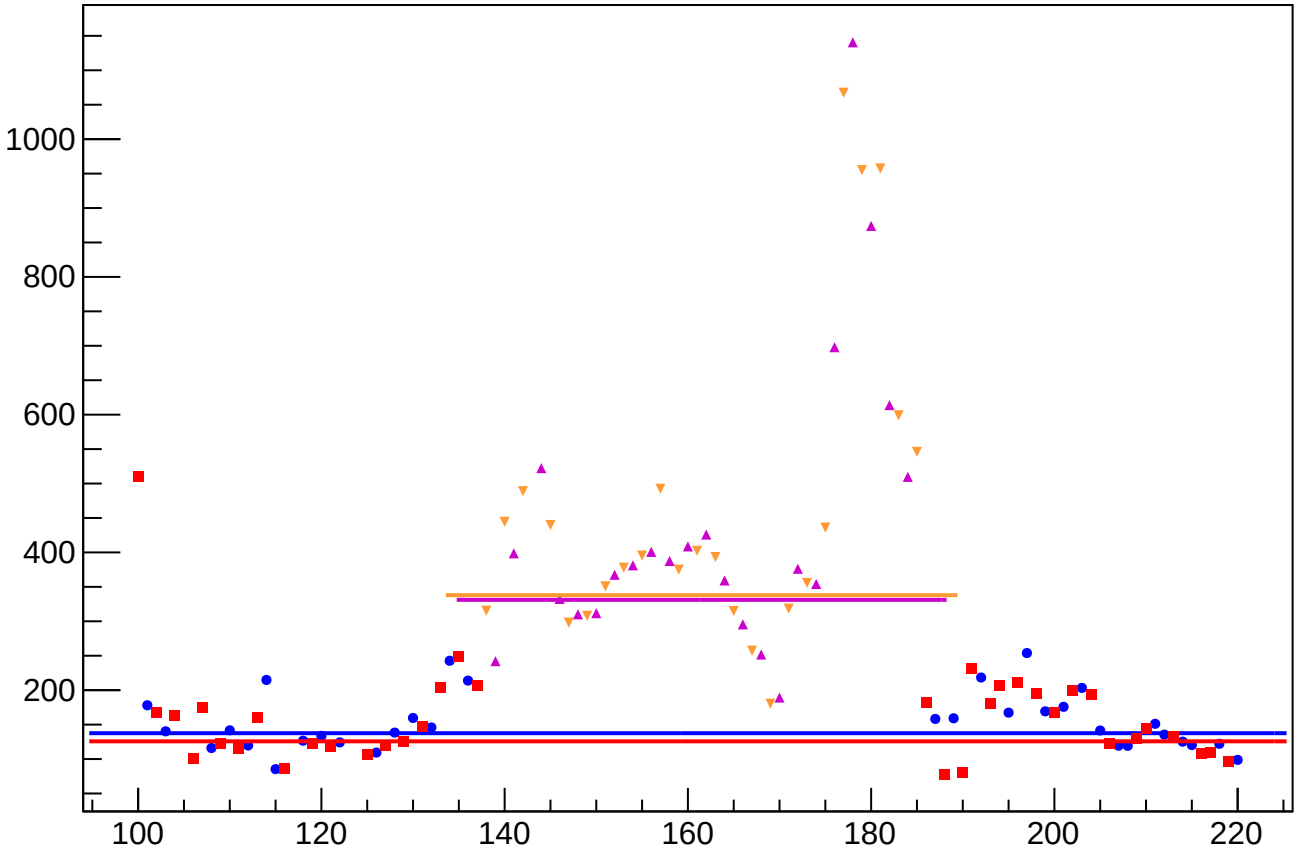
Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.026+/-0.030 χ^2/NDF: 70.4/56

All: -0.033+/-0.020 χ^2/NDF: 140.9/115

- sign -0.039+/-0.028 χ^2/NDF: 70.4/58

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 137.540+/-0.022 χ^2/NDF: 2073660.4/32

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 125.714+/-0.021 χ^2/NDF: 3503666.9/35

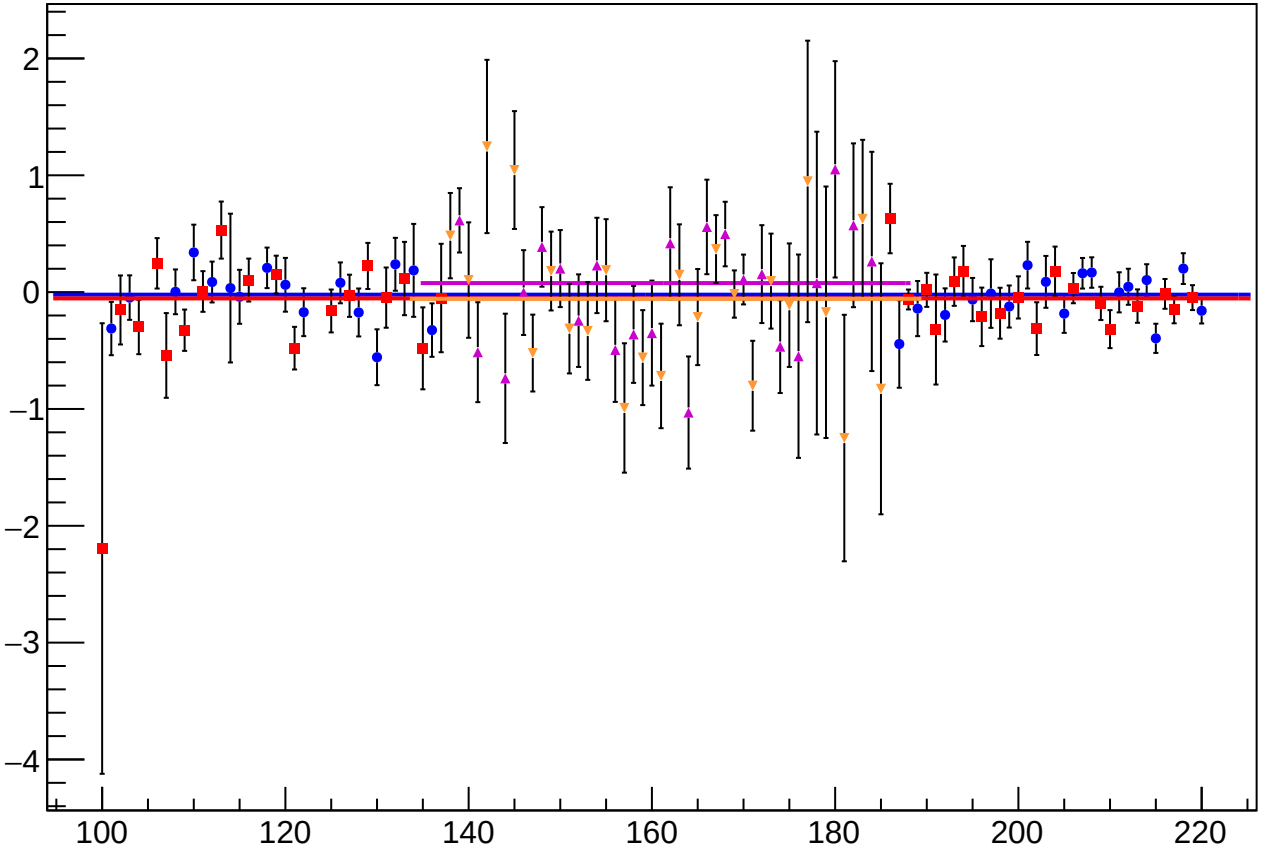
Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 161.838+/-0.021 χ^2/NDF: 16254697.7/56

All: 154.886+/-0.014 χ^2/NDF: 34842029.9/11

- sign 148.759+/-0.020 χ^2/NDF: 18381994.1/58

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.022+/-0.032 χ^2/NDF: 39.8/32

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

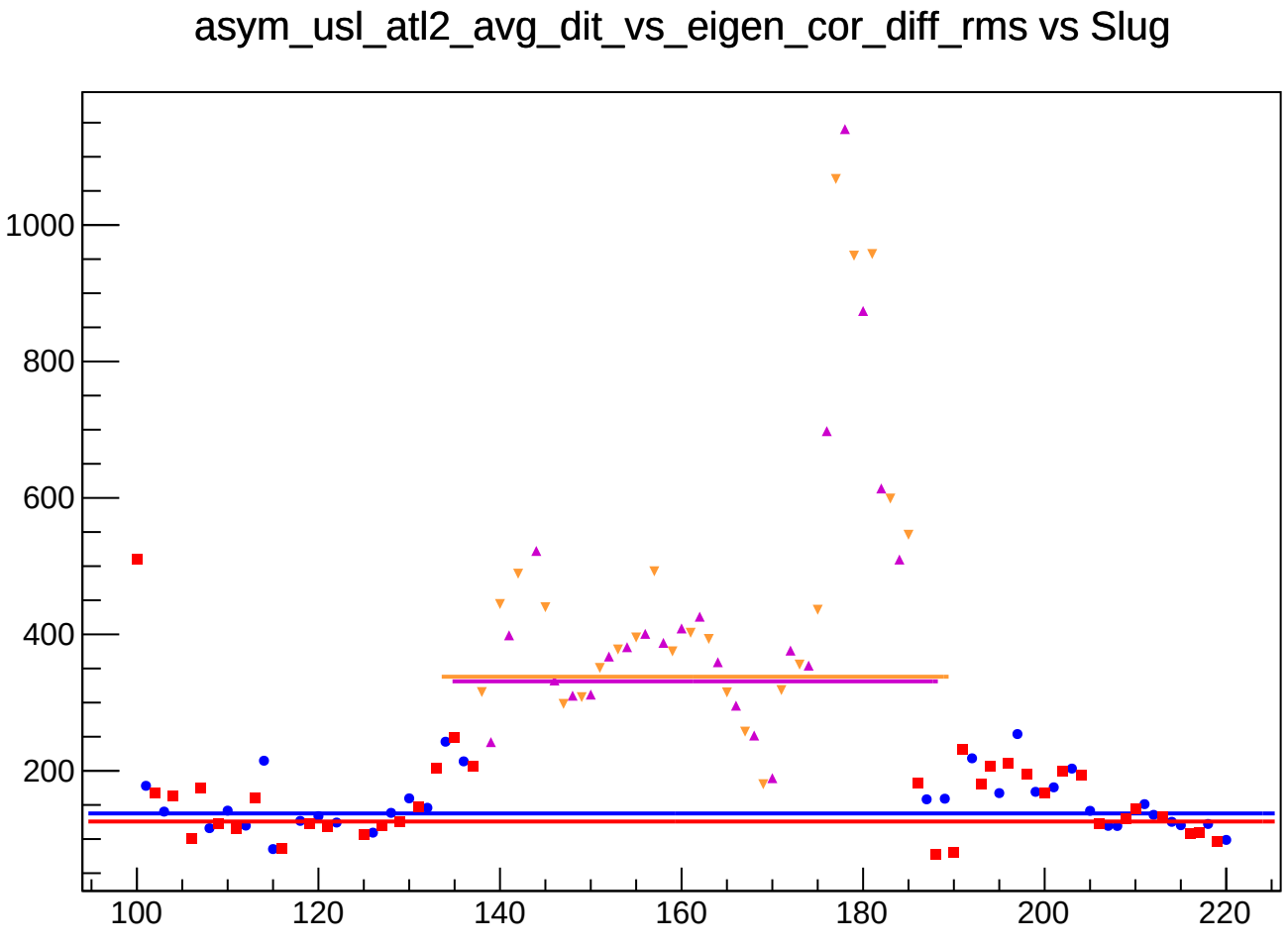
Right Out: -0.054+/-0.030 χ^2/NDF: 41.2/35

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.026+/-0.030 χ^2/NDF: 70.4/56

All: -0.033+/-0.020 χ^2/NDF: 140.9/115

- sign -0.039+/-0.028 χ^2/NDF: 70.4/58



Right In: 137.540+/-0.022 χ^2/NDF: 2073660.4/32

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

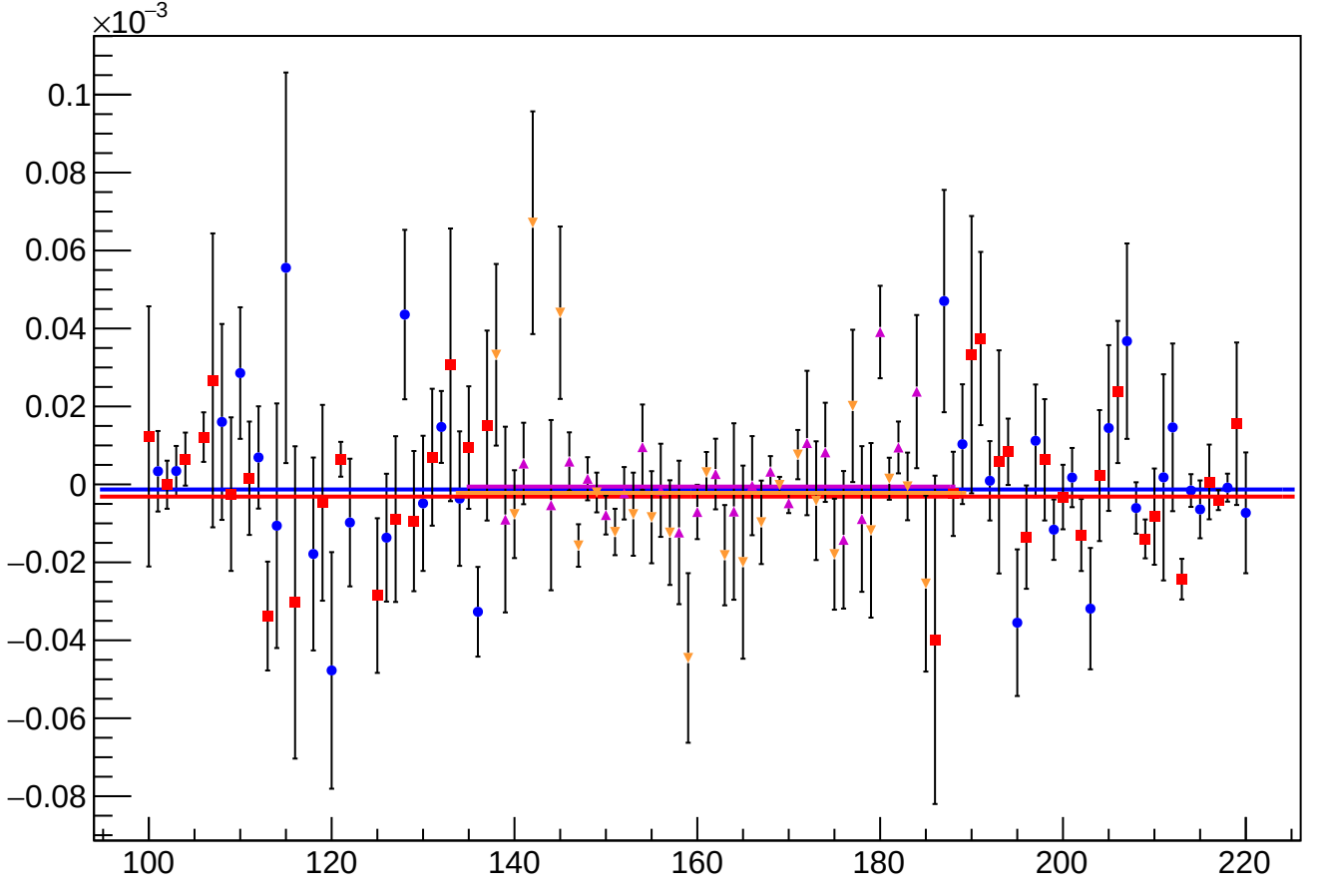
Right Out: 125.714+/-0.021 χ^2/NDF: 3503666.9/35

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 161.838+/-0.021 χ^2/NDF: 16254697.7/56

All: 154.886+/-0.014 χ^2/NDF: 34842029.9/11

- sign 148.759+/-0.020 χ^2/NDF: 18381994.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 42.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

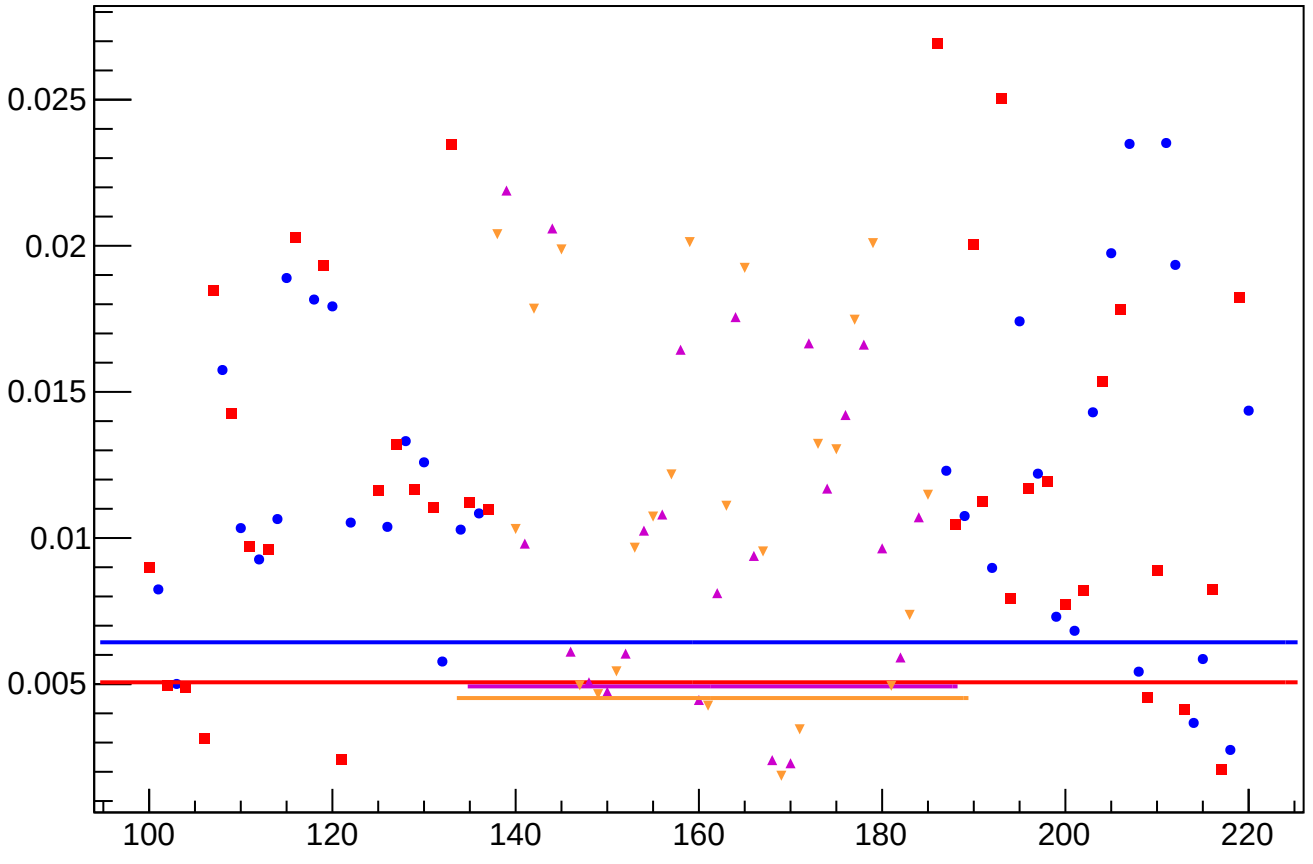
Right Out: -0.000+/-0.000 χ^2/NDF: 57.1/35

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.5/56

All: -0.000+/-0.000 χ^2/NDF: 165.3/115

- sign -0.000+/-0.000 χ^2/NDF: 84.8/58



Right In: 0.006+/-0.000 χ^2/NDF: 11359241.4/32

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

Right Out: 0.005+/-0.000 χ^2/NDF: 14730882.3/35

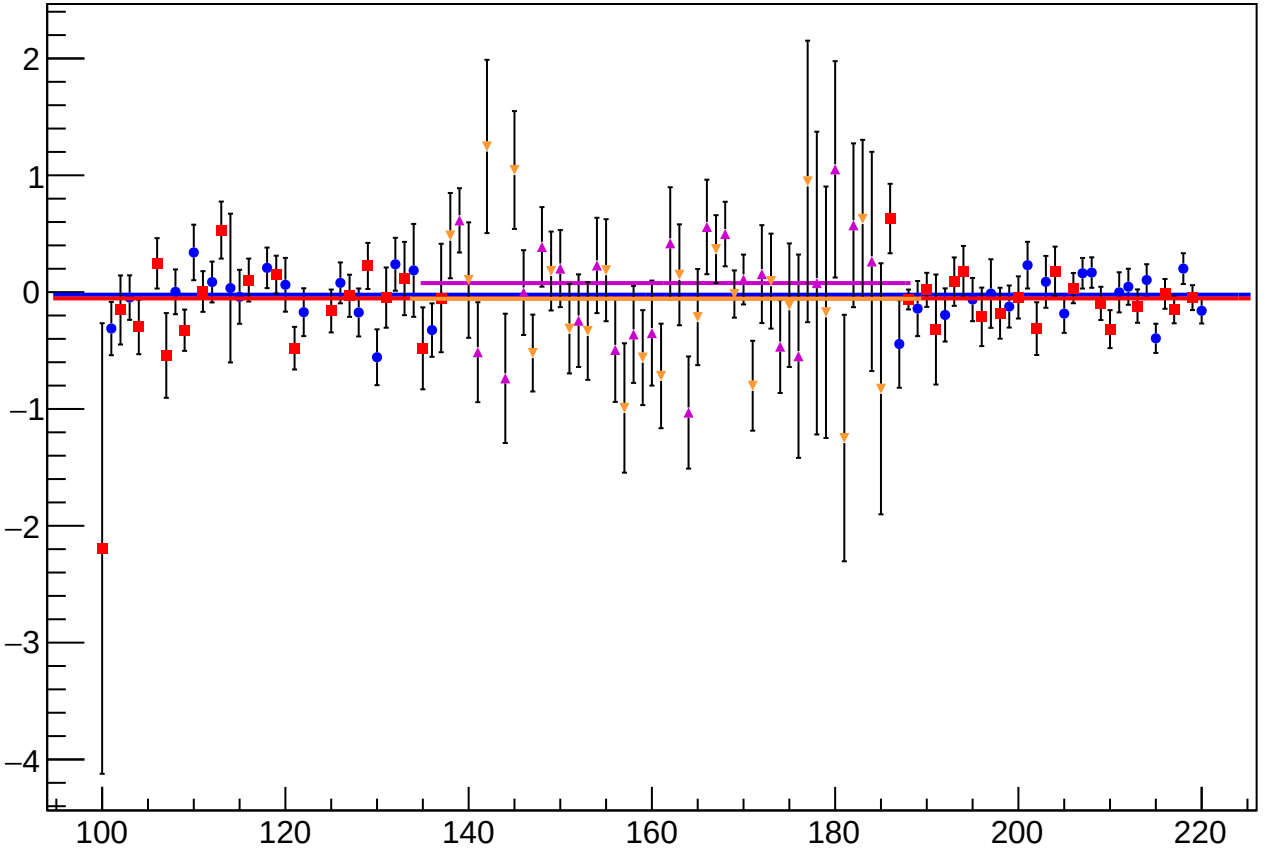
Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 27063060.5/56

All: 0.005+/-0.000 χ^2/NDF: 53499931.2/115

- sign 0.005+/-0.000 χ^2/NDF: 26366899.6/58

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.022+/-0.032 χ^2/NDF: 39.8/32

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

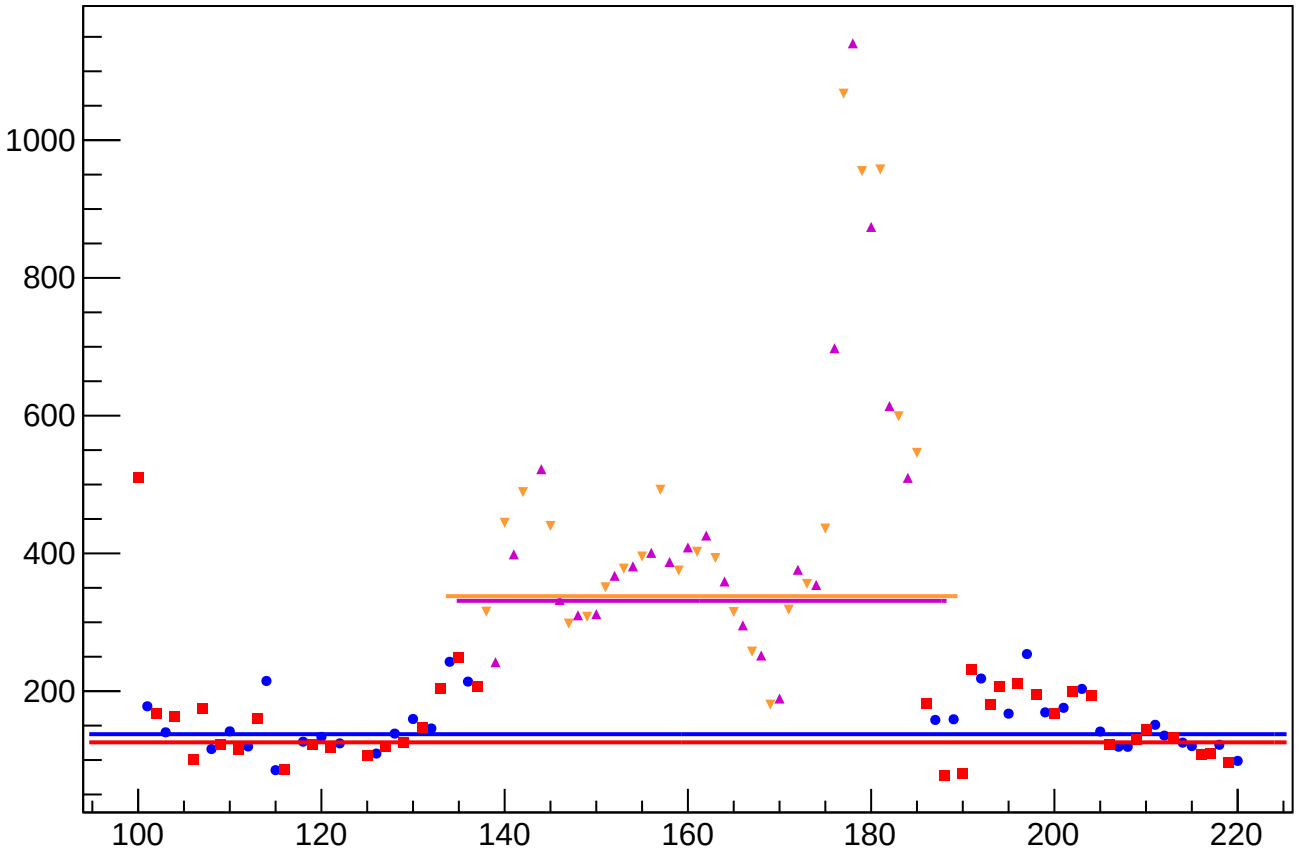
Right Out: -0.054+/-0.030 χ^2/NDF: 41.2/35

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.026+/-0.030 χ^2/NDF: 70.4/56

All: -0.033+/-0.020 χ^2/NDF: 140.9/115

- sign -0.039+/-0.028 χ^2/NDF: 70.4/58



Right In: 137.540+/-0.022 χ^2/NDF: 2073624.9/32

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

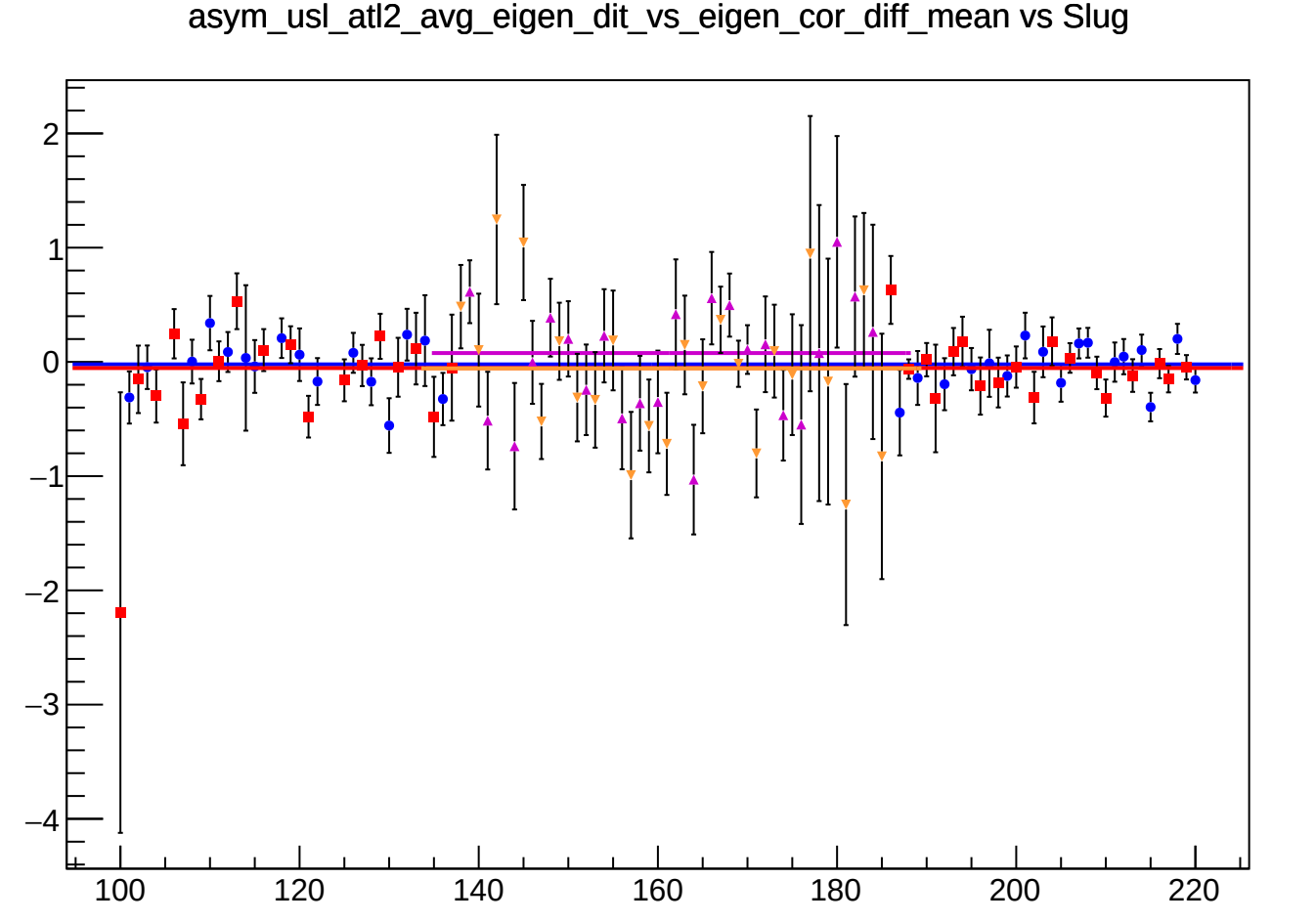
Right Out: 125.712+/-0.021 χ^2/NDF: 3503801.5/35

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 161.838+/-0.021 χ^2/NDF: 16254749.5/56

All: 154.886+/-0.014 χ^2/NDF: 34842545.7/11

- sign 148.758+/-0.020 χ^2/NDF: 18382399.2/58



Right In: -0.022+/-0.032 χ^2/NDF: 39.8/32

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

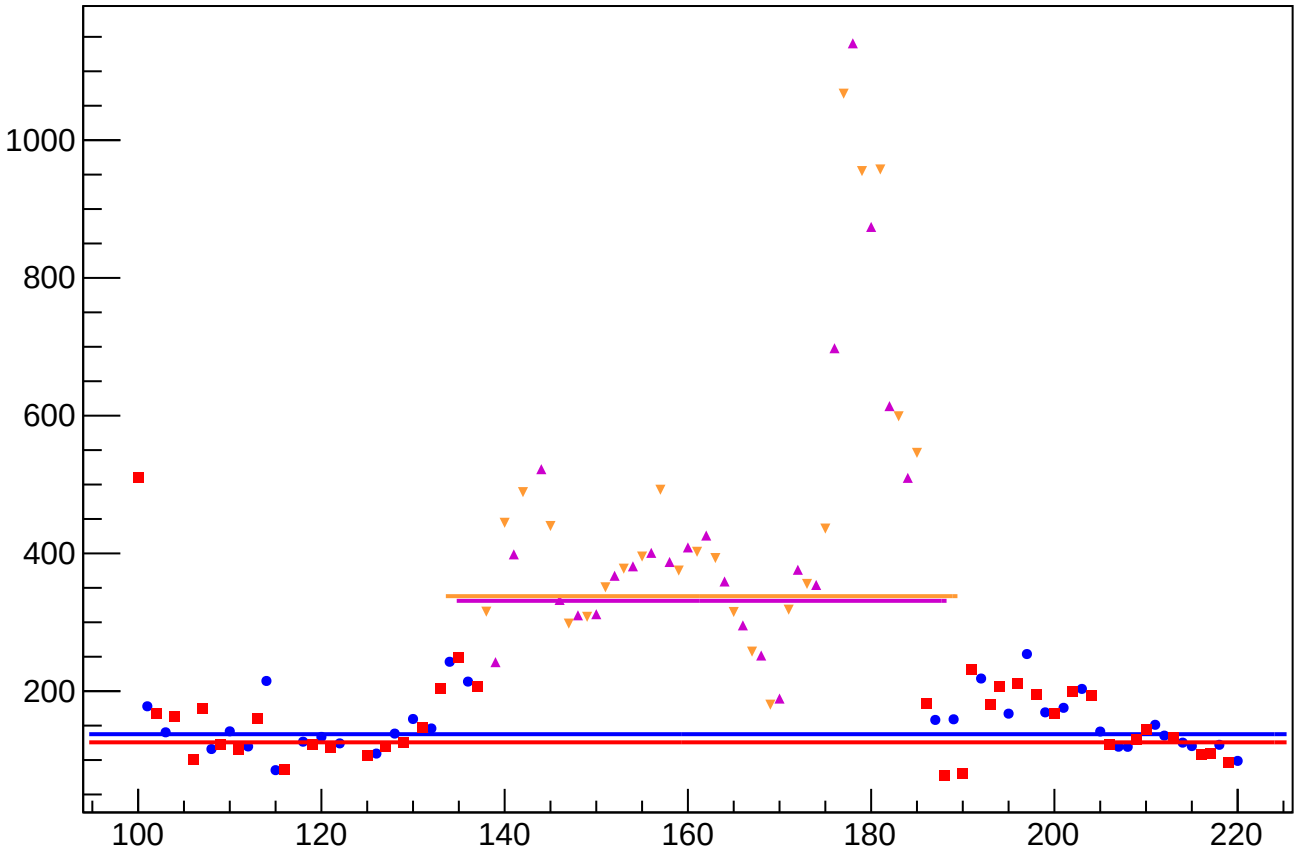
Right Out: -0.054+/-0.030 χ^2/NDF: 41.2/35

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.026+/-0.030 χ^2/NDF: 70.4/56

All: -0.033+/-0.020 χ^2/NDF: 140.9/115

- sign -0.039+/-0.028 χ^2/NDF: 70.4/58



Right In: 137.540+/-0.022 χ^2/NDF: 2073624.9/32

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

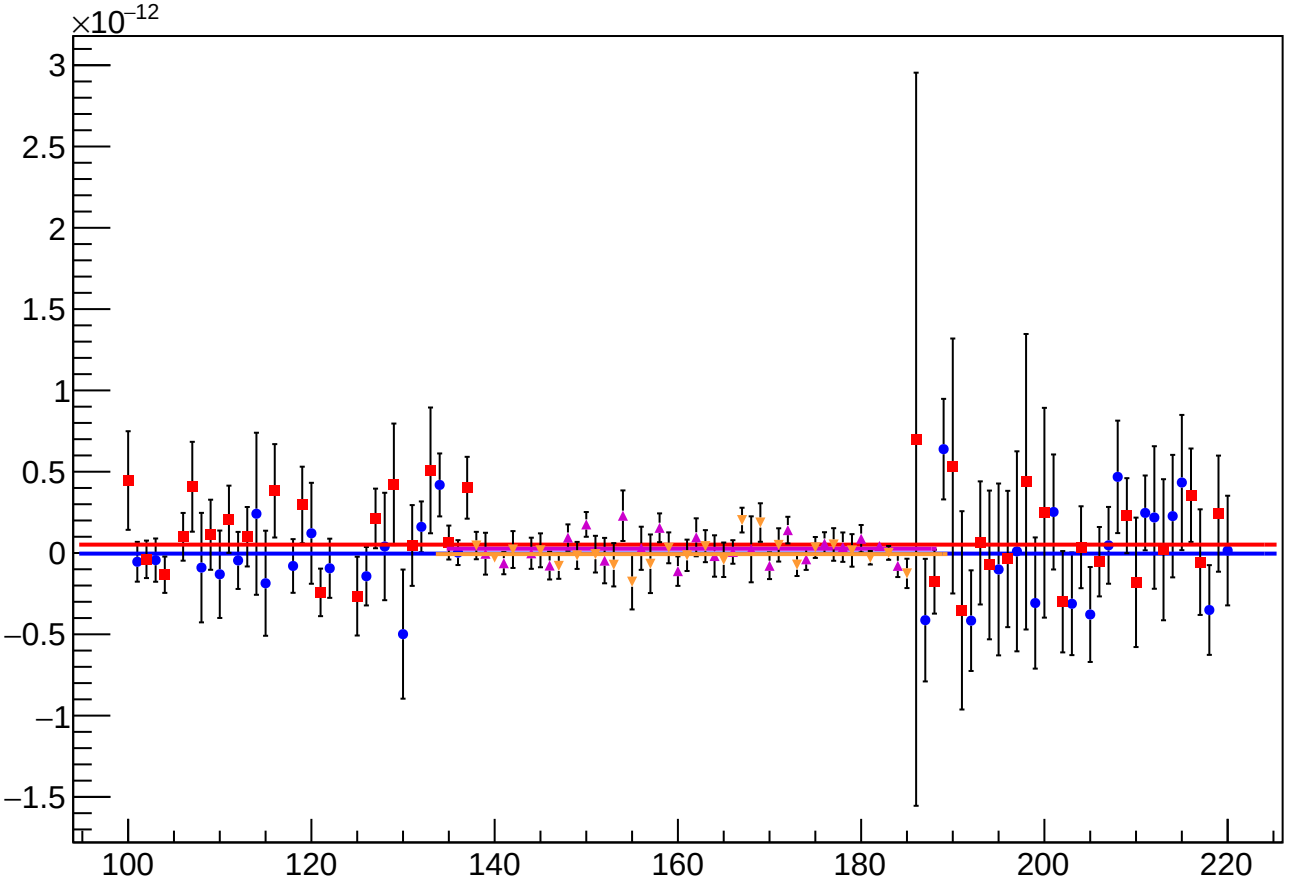
Right Out: 125.712+/-0.021 χ^2/NDF: 3503801.5/35

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 161.838+/-0.021 χ^2/NDF: 16254749.5/56

All: 154.886+/-0.014 χ^2/NDF: 34842545.7/11

- sign 148.758+/-0.020 χ^2/NDF: 18382399.2/58



Right In: -0.000+/-0.000 χ^2/NDF: 27.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

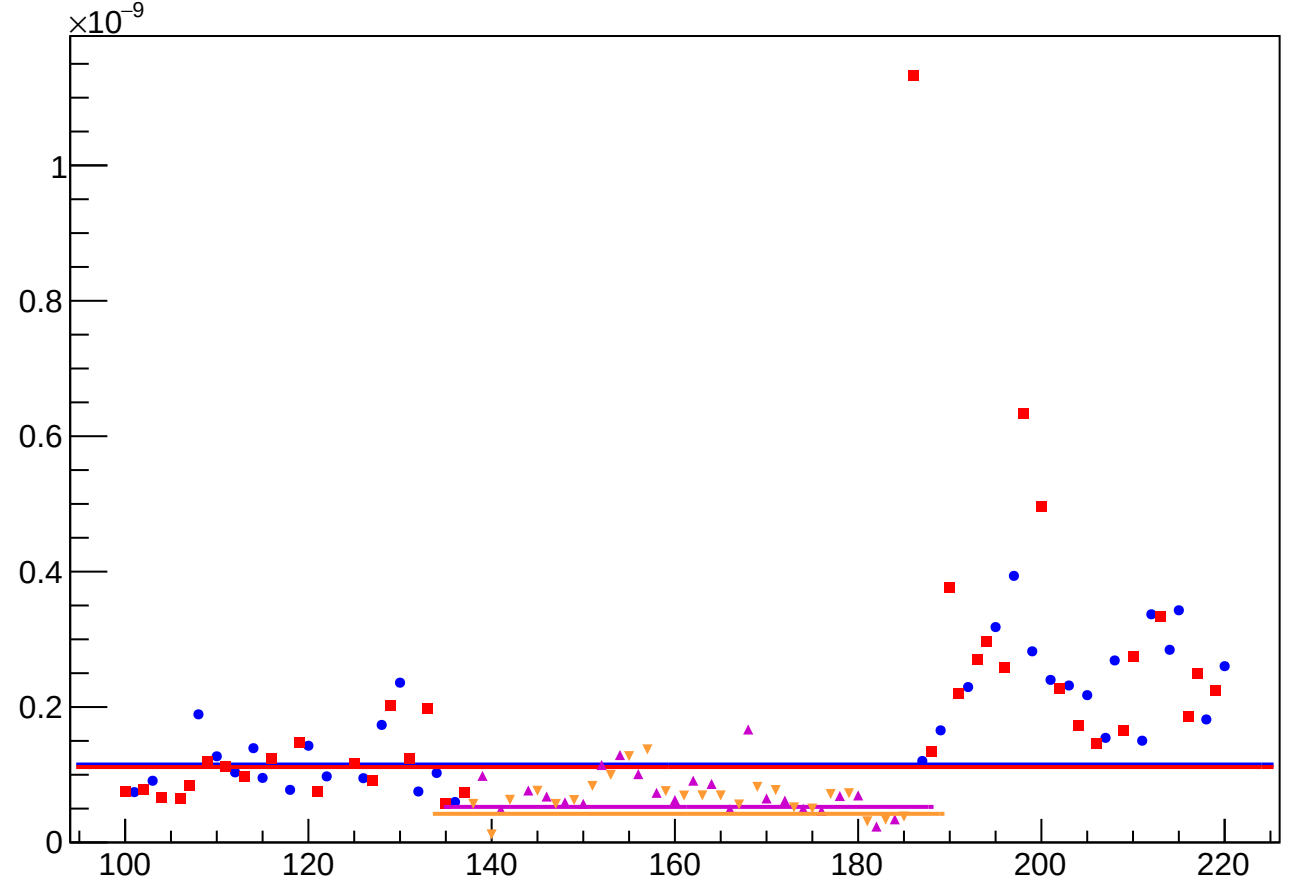
Right Out: 0.000+/-0.000 χ^2/NDF: 28.8/35

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.4/56

All: 0.000+/-0.000 χ^2/NDF: 100.8/115

- sign 0.000+/-0.000 χ^2/NDF: 52.0/58



Right In: 0.000+/-0.000 χ^2/NDF: 6654342.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6917797.9/35

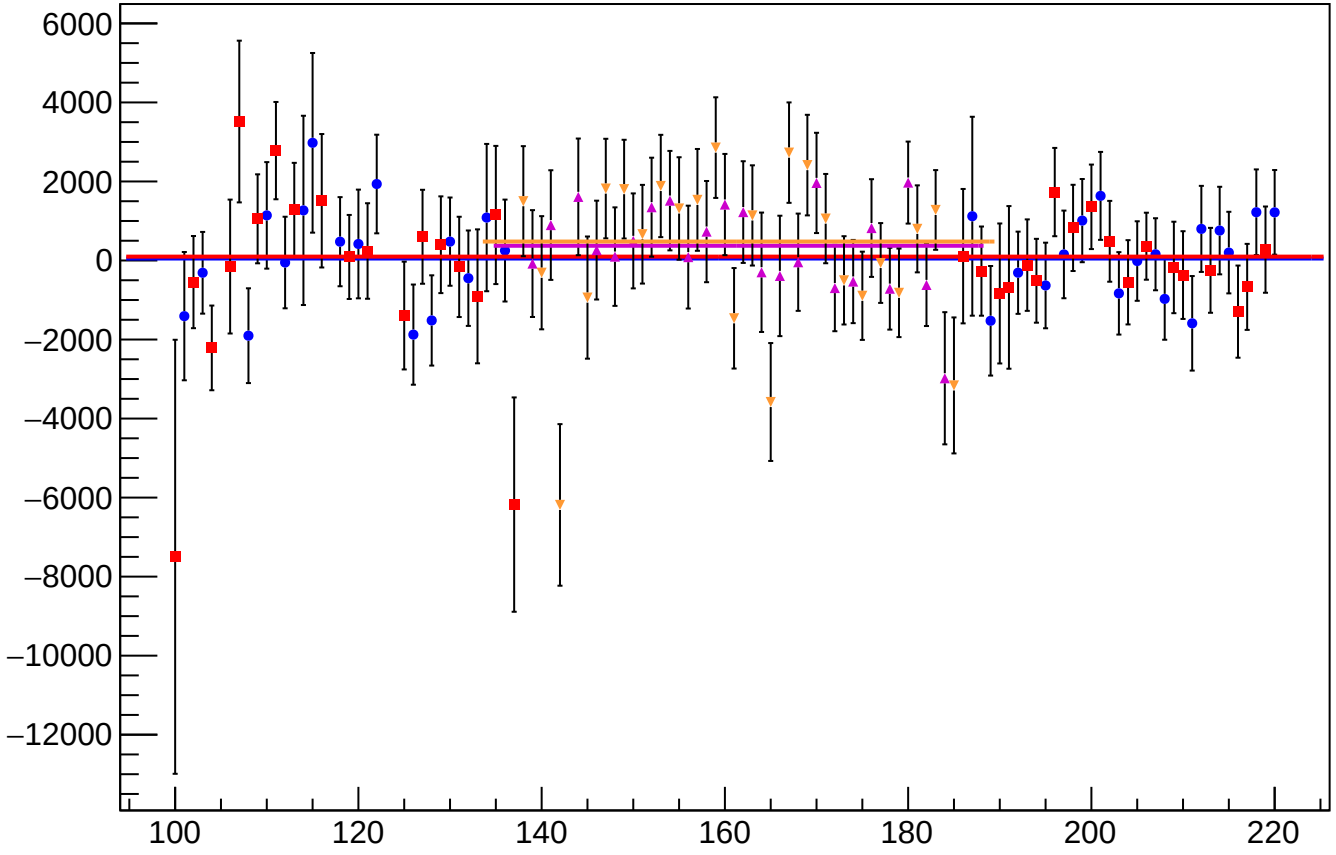
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 19902942.1/56

All: 0.000+/-0.000 χ^2/NDF: 36528930.7/115

- sign 0.000+/-0.000 χ^2/NDF: 16082196.9/58

reg_asym_usl_atl2_dd_mean vs Slug



Right In: 50.104+/-206.549 χ^2/NDF: 25.2/32

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 98.125+/-206.015 χ^2/NDF: 32.2/35

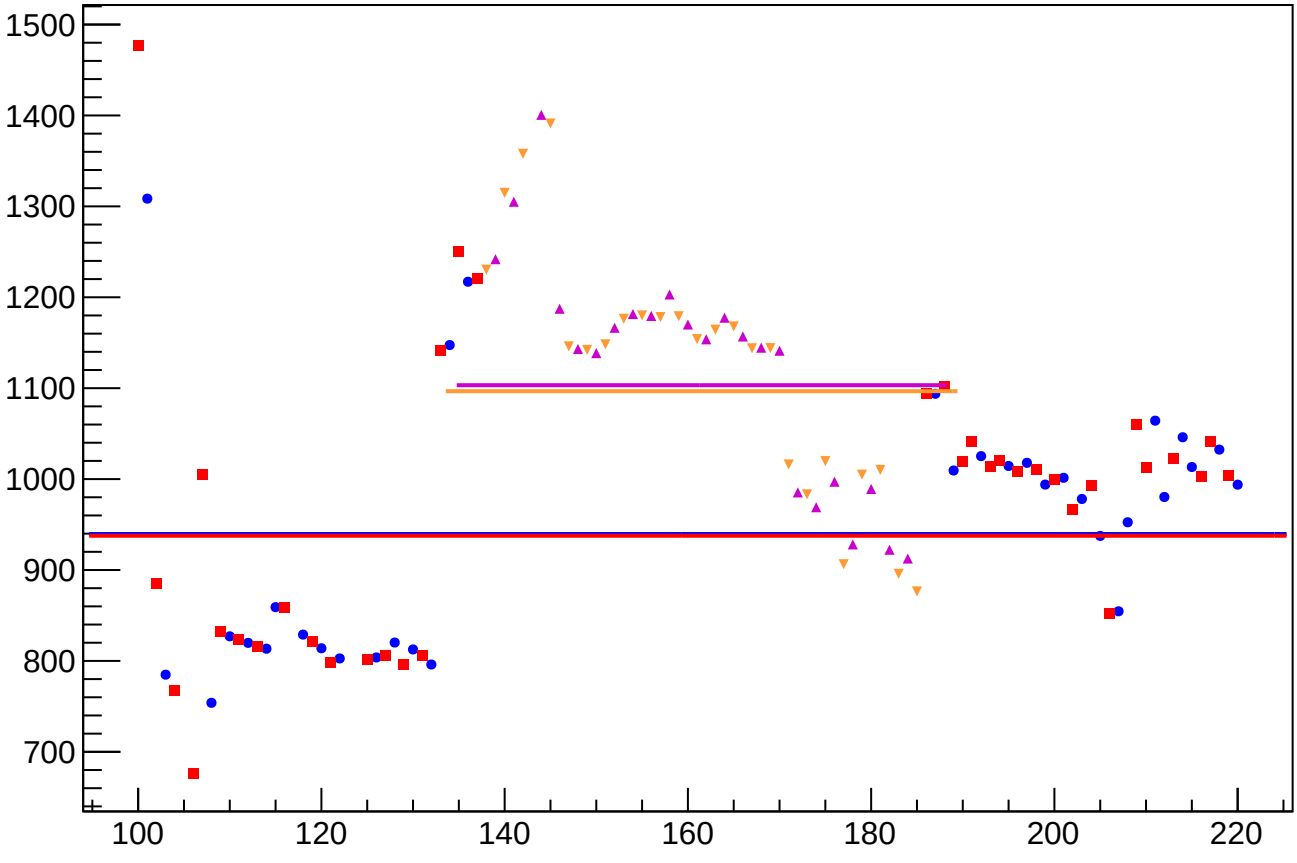
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

\+ sign 219.172+/-160.832 χ^2/NDF: 72.1/56

All: 211.836+/-113.893 χ^2/NDF: 121.0/115

\- sign 204.457+/-161.306 χ^2/NDF: 48.9/58

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 939.580+/-0.146 χ^2/NDF: 666481.4/32

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 937.665+/-0.145 χ^2/NDF: 692054.7/35

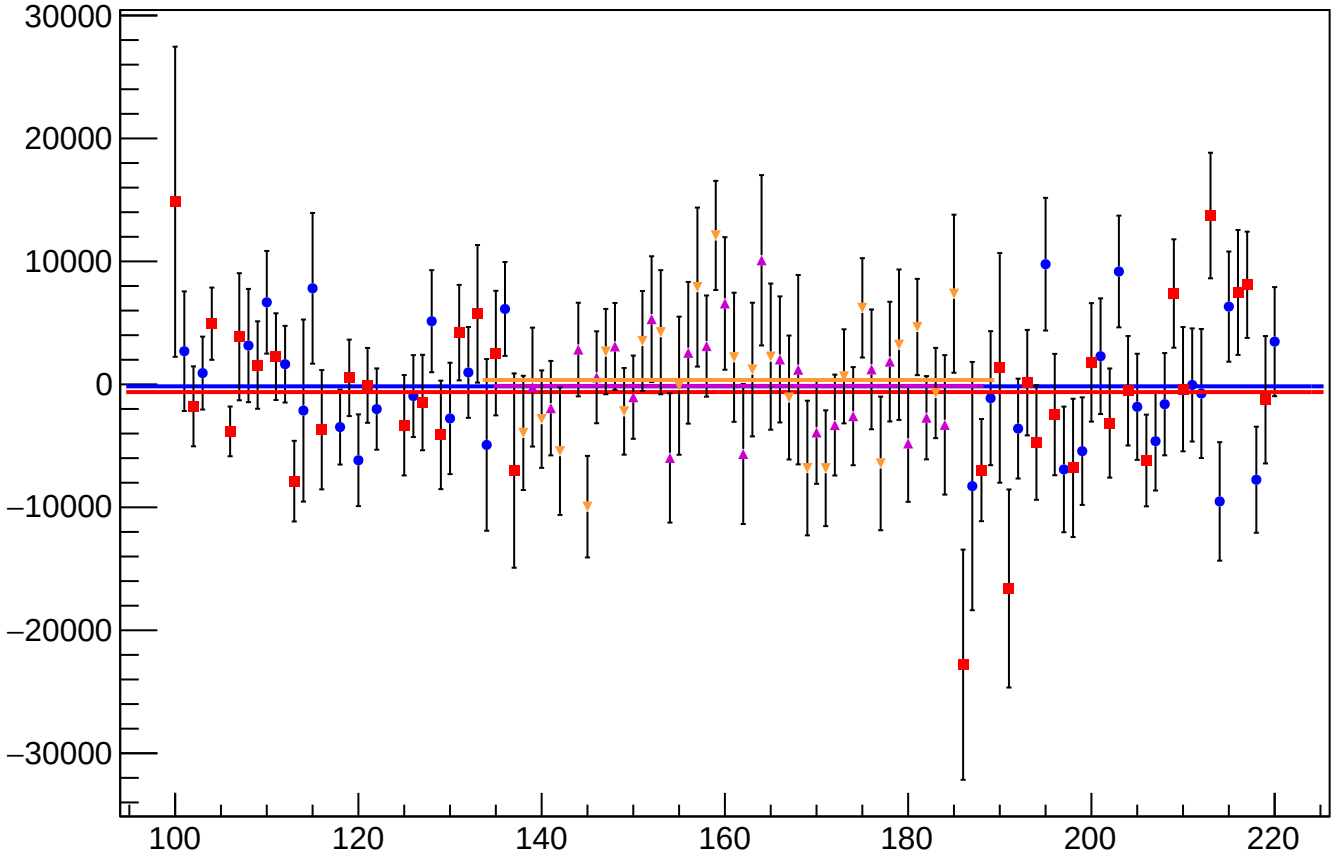
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1001.440+/-0.114 χ^2/NDF: 1602658.8/56

All: 1001.393+/-0.080 χ^2/NDF: 3244362.8/11

- sign 1001.346+/-0.114 χ^2/NDF: 1641703.6/58

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: -159.313+/-742.090 χ^2/NDF: 38.8/32

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -627.790+/-693.249 χ^2/NDF: 54.7/35

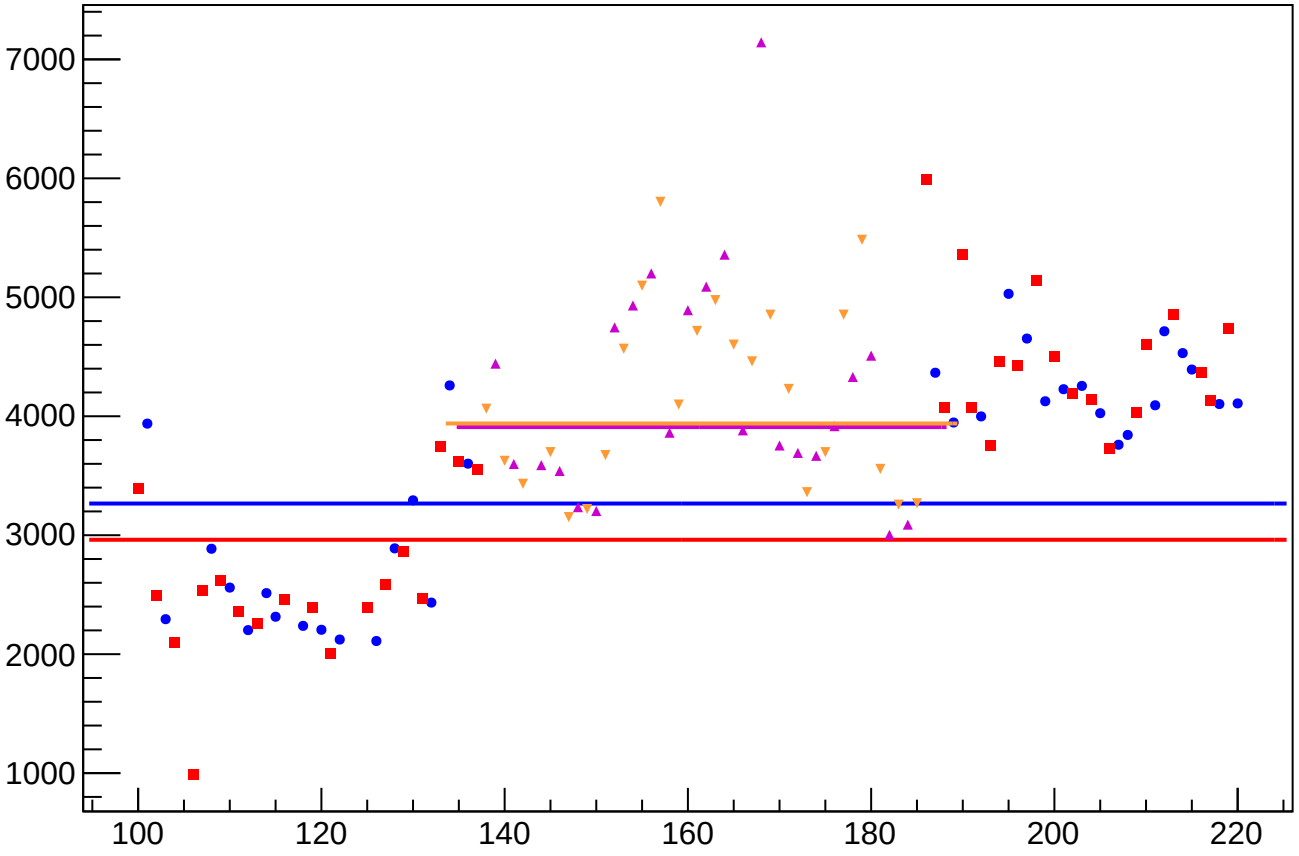
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 40.716+/-581.075 χ^2/NDF: 69.2/56

All: -215.009+/-401.867 χ^2/NDF: 138.3/115

- sign -449.459+/-556.380 χ^2/NDF: 68.6/58

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 3266.263+/-0.525 χ^2/NDF: 3164507.5/32

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2961.645+/-0.490 χ^2/NDF: 5761764.6/35

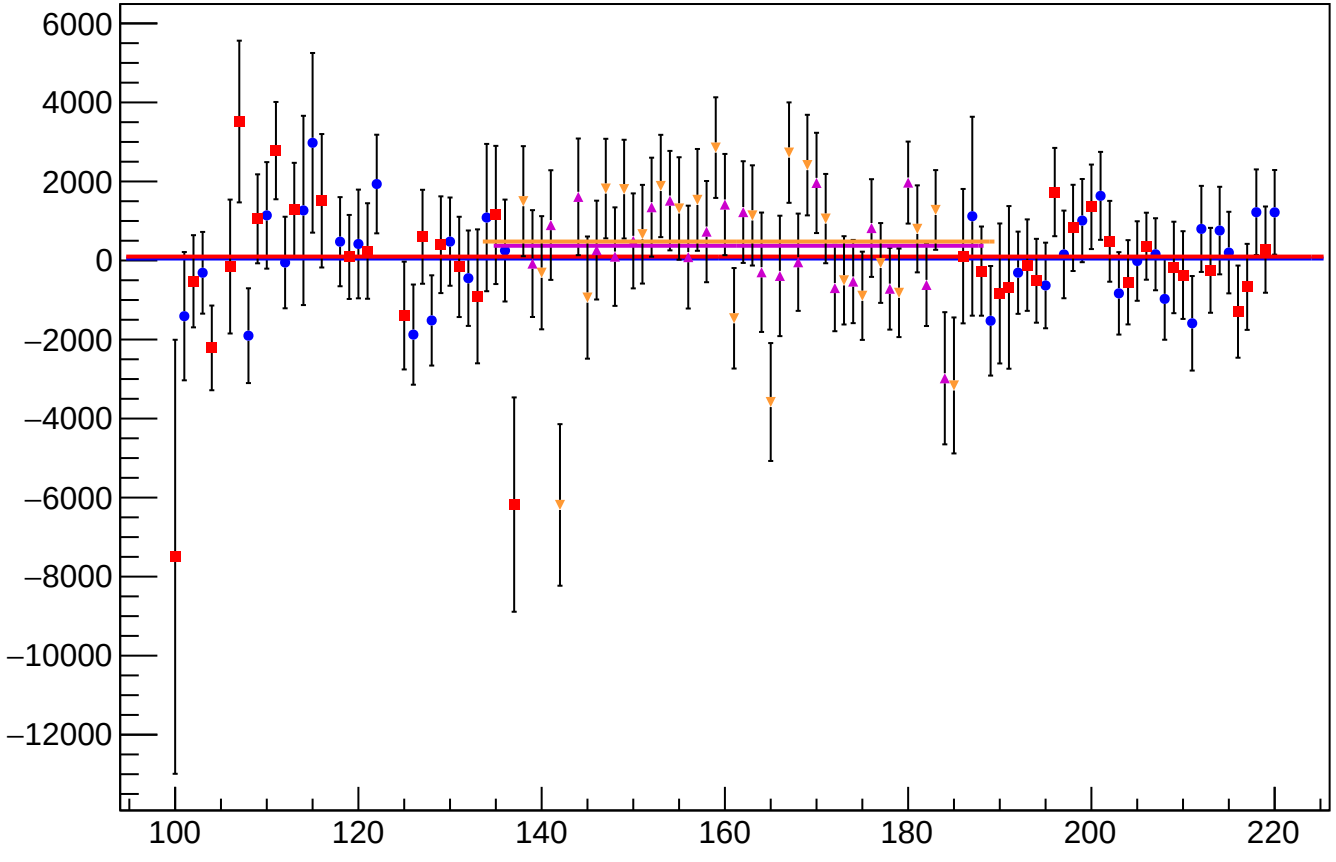
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3526.627+/-0.411 χ^2/NDF: 4893545.3/56

All: 3407.791+/-0.284 χ^2/NDF: 13445984.8/1

- sign 3298.841+/-0.393 χ^2/NDF: 8392100.3/58

cor_asym_usl_atl2_dd_mean vs Slug



Right In: 50.110+/-206.549 χ^2/NDF: 25.2/32

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 98.812+/-206.017 χ^2/NDF: 32.2/35

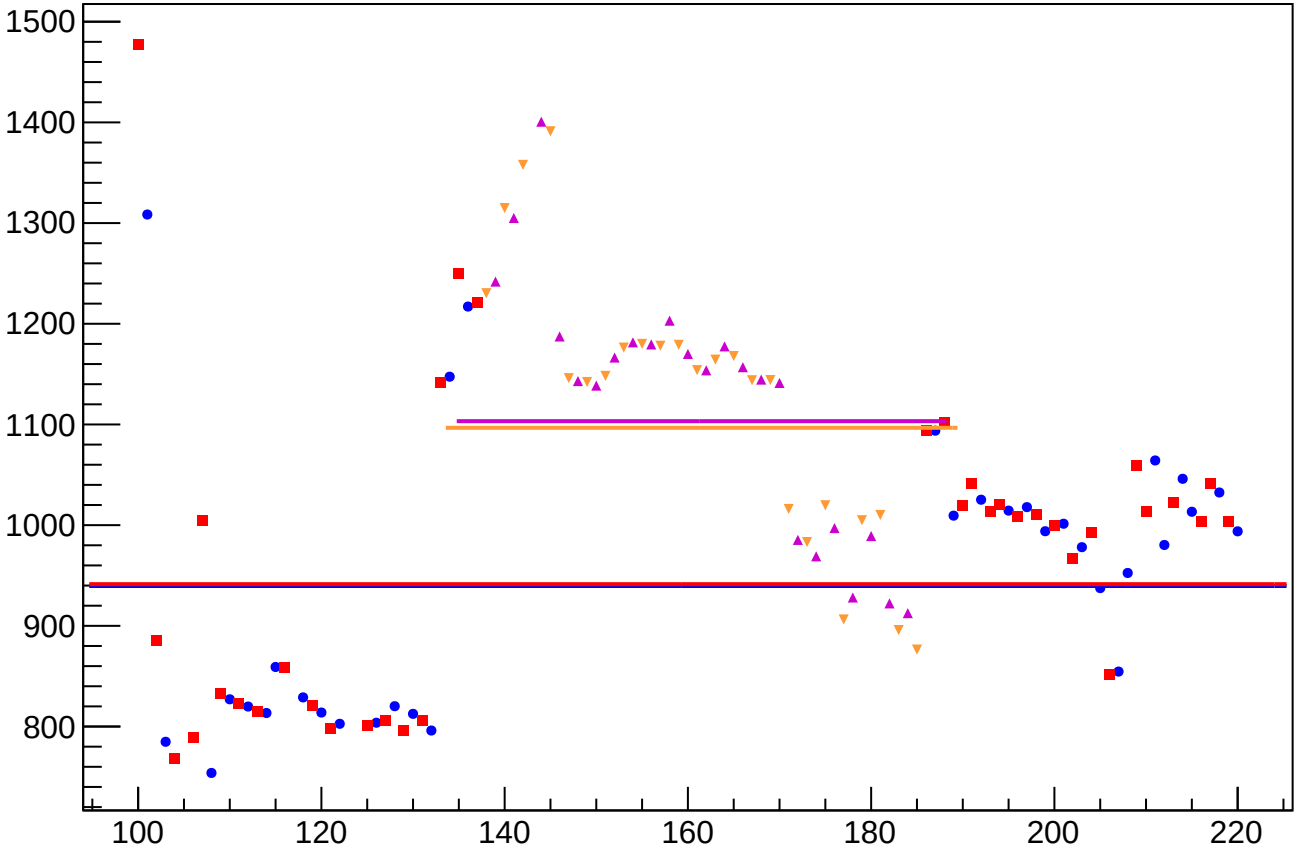
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 219.186+/-160.832 χ^2/NDF: 72.1/56

All: 212.049+/-113.893 χ^2/NDF: 121.0/115

- sign 204.870+/-161.306 χ^2/NDF: 48.9/58

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 939.580+/-0.146 χ^2/NDF: 666481.2/32

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 941.401+/-0.145 χ^2/NDF: 630006.0/35

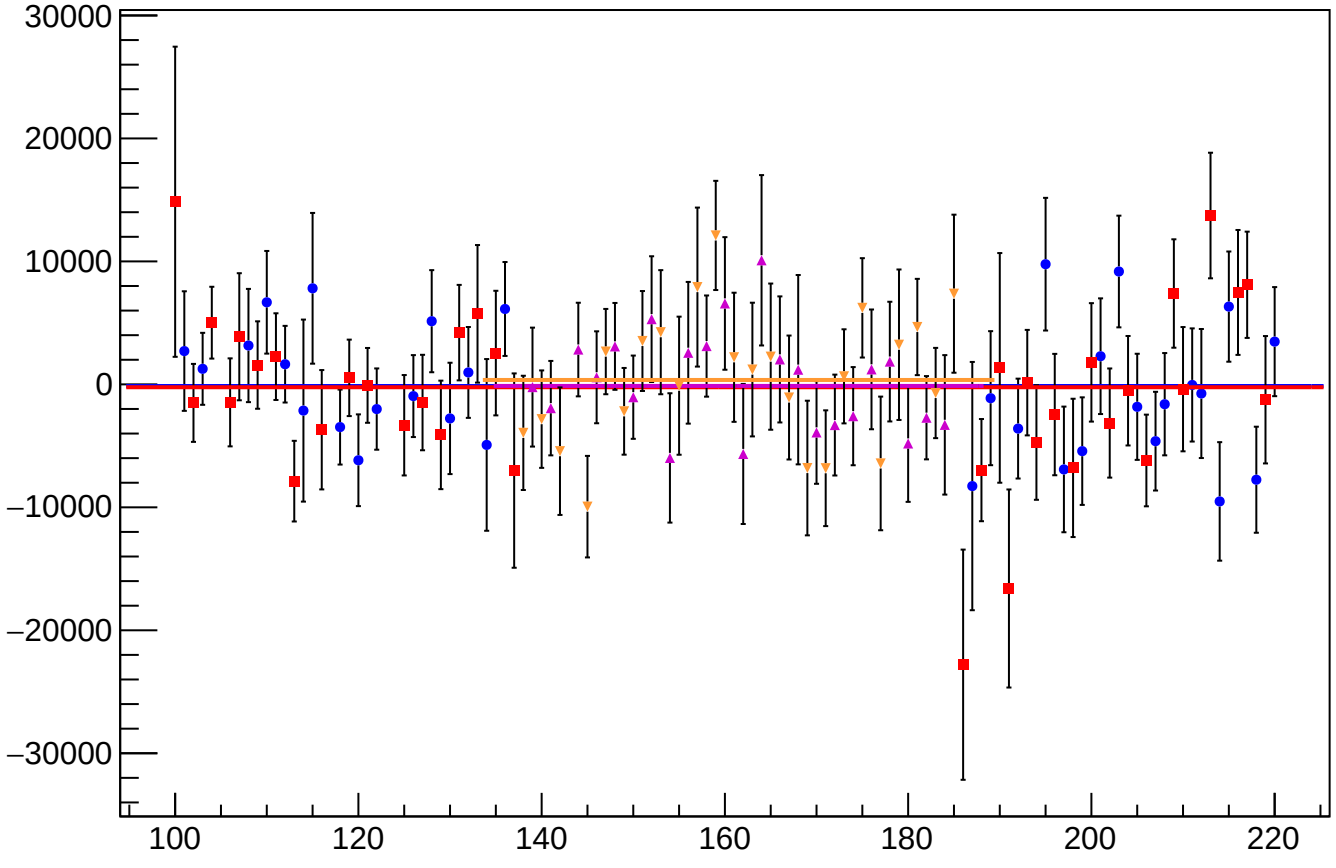
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1001.440+/-0.114 χ^2/NDF: 1602658.9/56

All: 1002.656+/-0.080 χ^2/NDF: 3159037.3/11

- sign 1003.876+/-0.114 χ^2/NDF: 1556149.3/58

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: -134.959+/-741.469 χ^2/NDF: 38.9/32

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -234.294+/-721.645 χ^2/NDF: 52.0/35

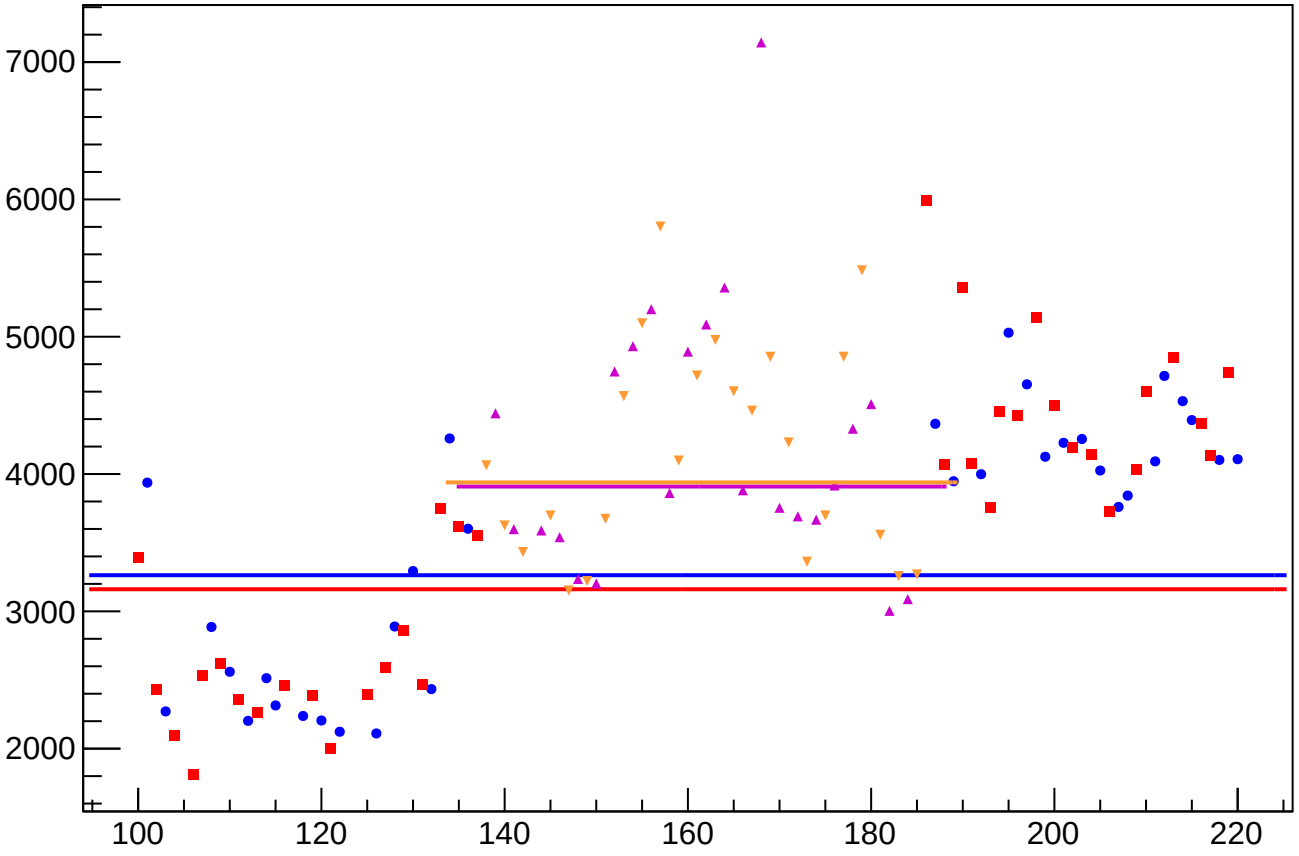
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 55.452+/-580.777 χ^2/NDF: 69.3/56

All: -71.436+/-407.077 χ^2/NDF: 135.2/115

- sign -193.976+/-570.741 χ^2/NDF: 65.8/58

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 3263.150+/-0.524 χ^2/NDF: 3180700.5/32

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3161.051+/-0.510 χ^2/NDF: 3927662.7/35

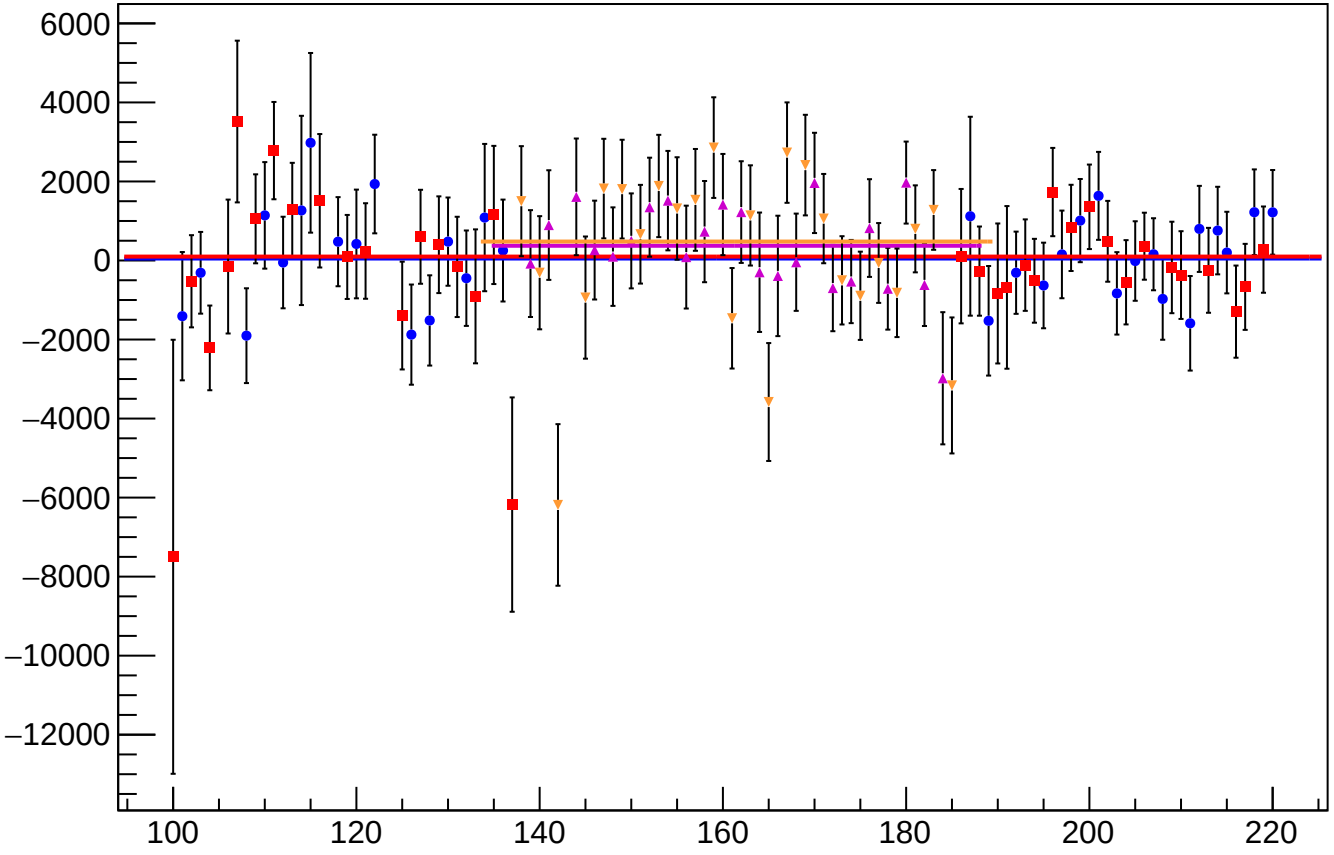
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3524.451+/-0.411 χ^2/NDF: 4916054.1/56

All: 3482.101+/-0.288 χ^2/NDF: 10970264.8/1

- sign 3441.202+/-0.404 χ^2/NDF: 6033306.0/58

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: 50.110+/-206.549 χ^2/NDF: 25.2/32

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 98.812+/-206.017 χ^2/NDF: 32.2/35

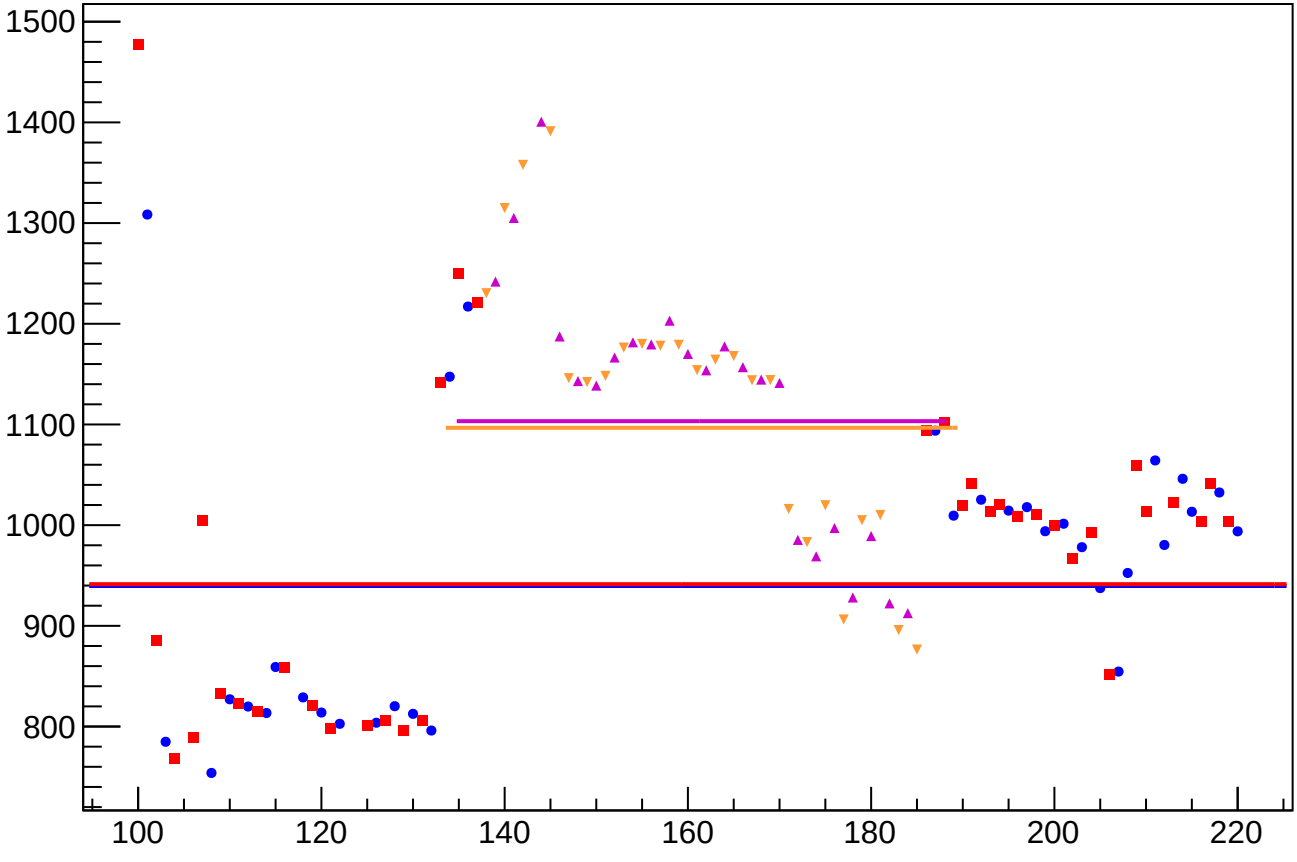
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 219.186+/-160.832 χ^2/NDF: 72.1/56

All: 212.049+/-113.893 χ^2/NDF: 121.0/115

- sign 204.870+/-161.306 χ^2/NDF: 48.9/58

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 939.580+/-0.146 χ^2/NDF: 666481.2/32

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

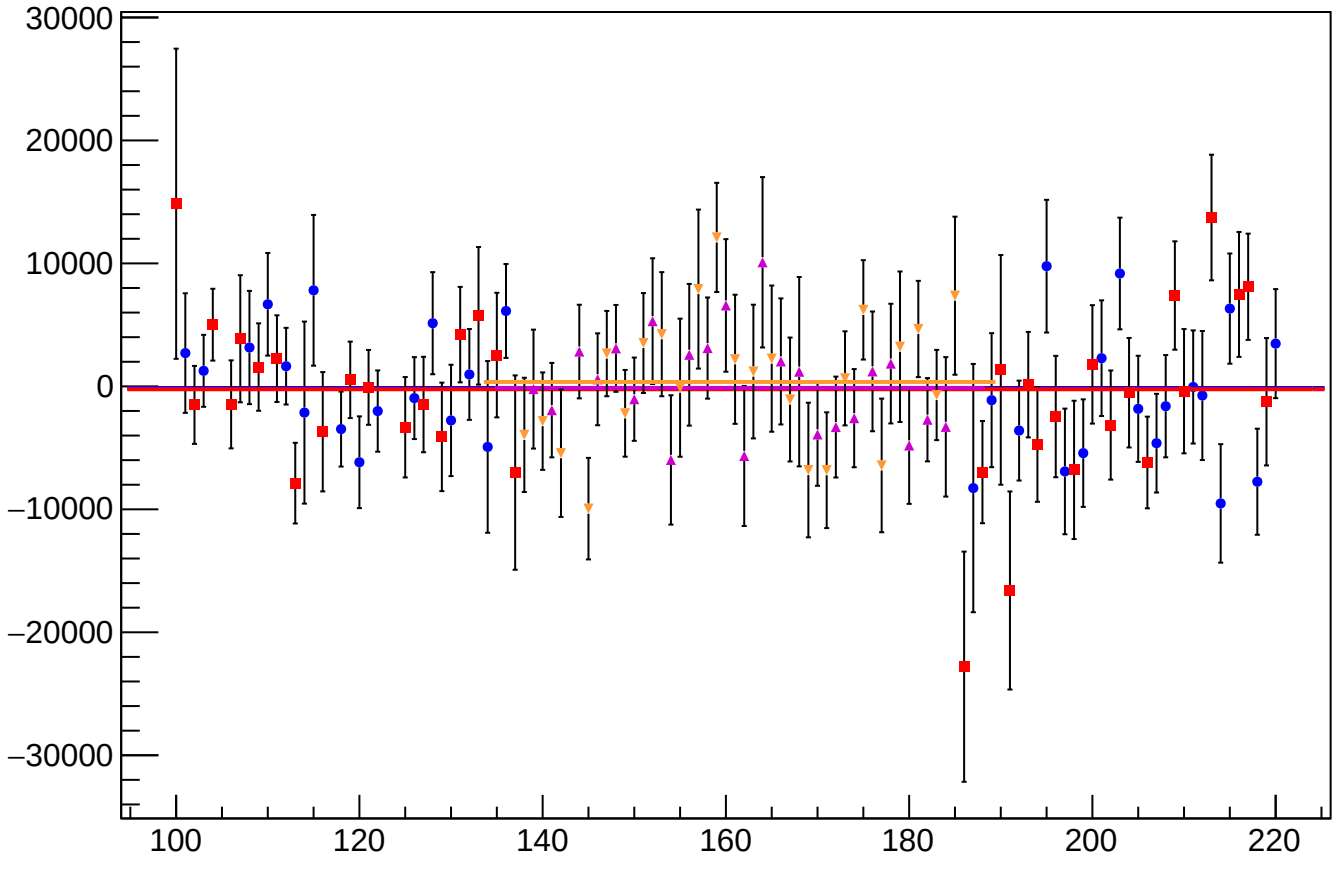
Right Out: 941.401+/-0.145 χ^2/NDF: 630006.0/35

Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1001.440+/-0.114 χ^2/NDF: 1602658.9/56

All: 1002.656+/-0.080 χ^2/NDF: 3159037.3/11

- sign 1003.876+/-0.114 χ^2/NDF: 1556149.3/58



Right In: -134.959+/-741.469 χ^2/NDF: 38.9/32

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

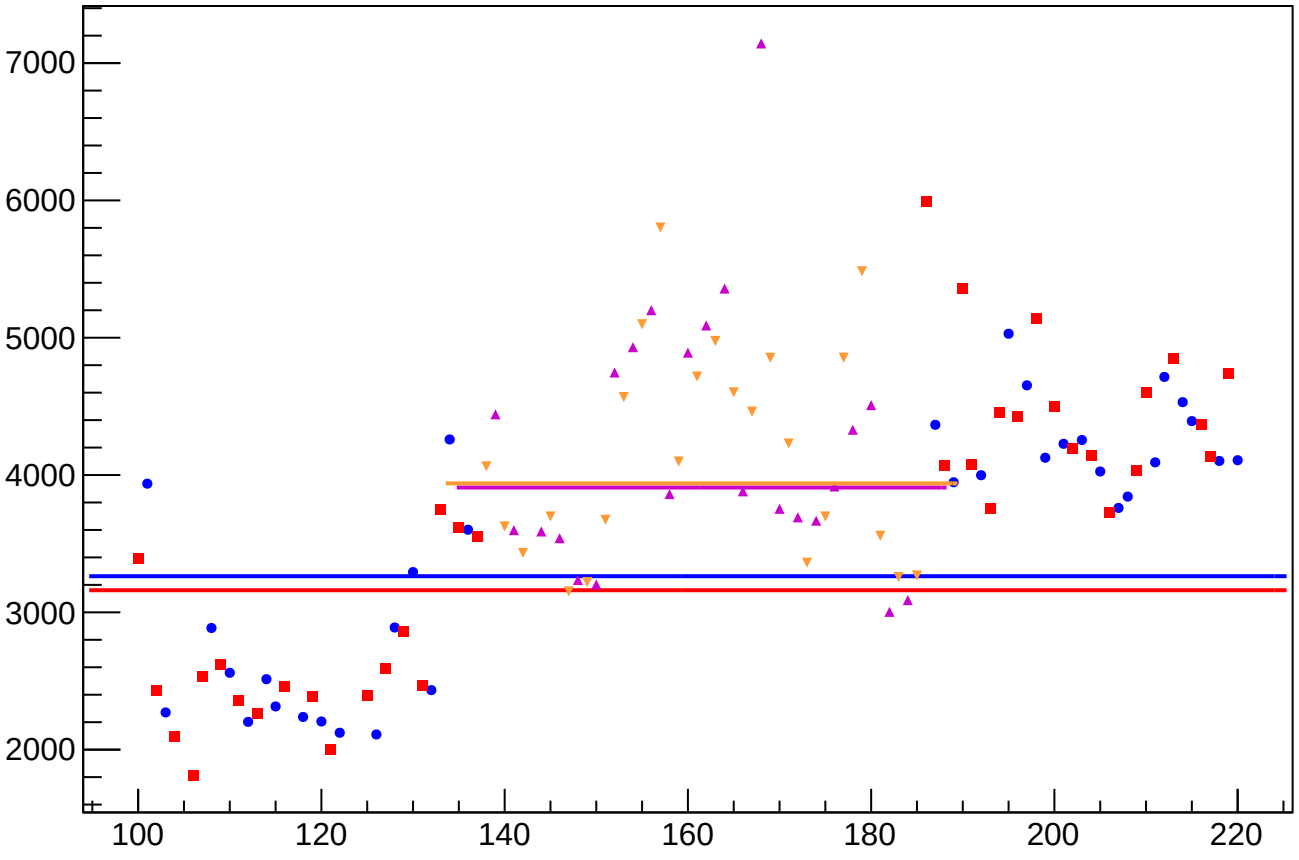
Right Out: -234.294+/-721.645 χ^2/NDF: 52.0/35

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 55.452+/-580.777 χ^2/NDF: 69.3/56

All: -71.436+/-407.077 χ^2/NDF: 135.2/115

- sign -193.976+/-570.741 χ^2/NDF: 65.8/58



Right In: 3263.150+/-0.524 χ^2/NDF: 3180700.5/32

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 3161.051+/-0.510 χ^2/NDF: 3927662.7/35

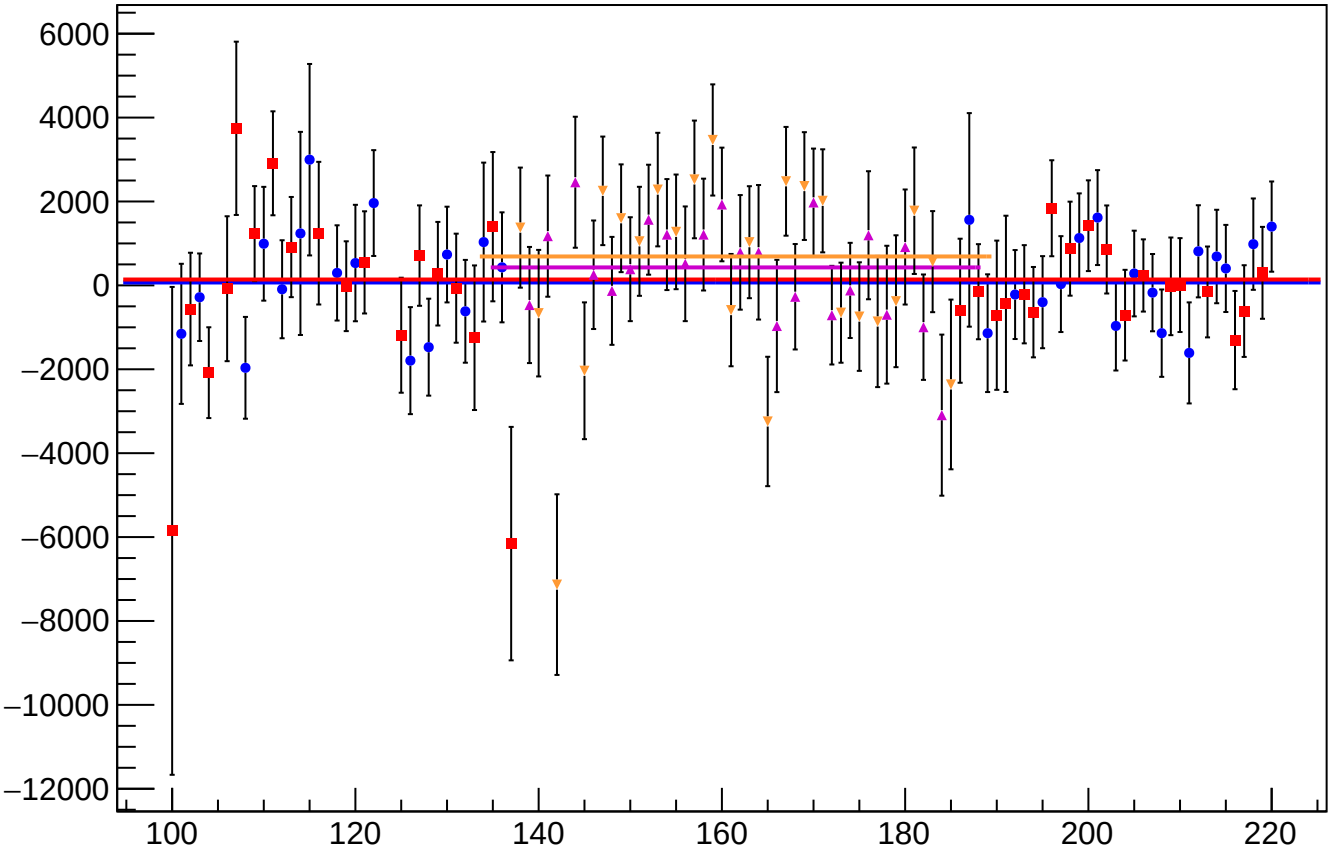
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3524.451+/-0.411 χ^2/NDF: 4916054.1/56

All: 3482.101+/-0.288 χ^2/NDF: 10970264.8/1

- sign 3441.202+/-0.404 χ^2/NDF: 6033306.0/58

dit_asym_usl_atl2_dd_mean vs Slug



Right In: 69.251+/-208.990 χ^2/NDF: 24.8/32

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 139.765+/-209.159 χ^2/NDF: 31.4/35

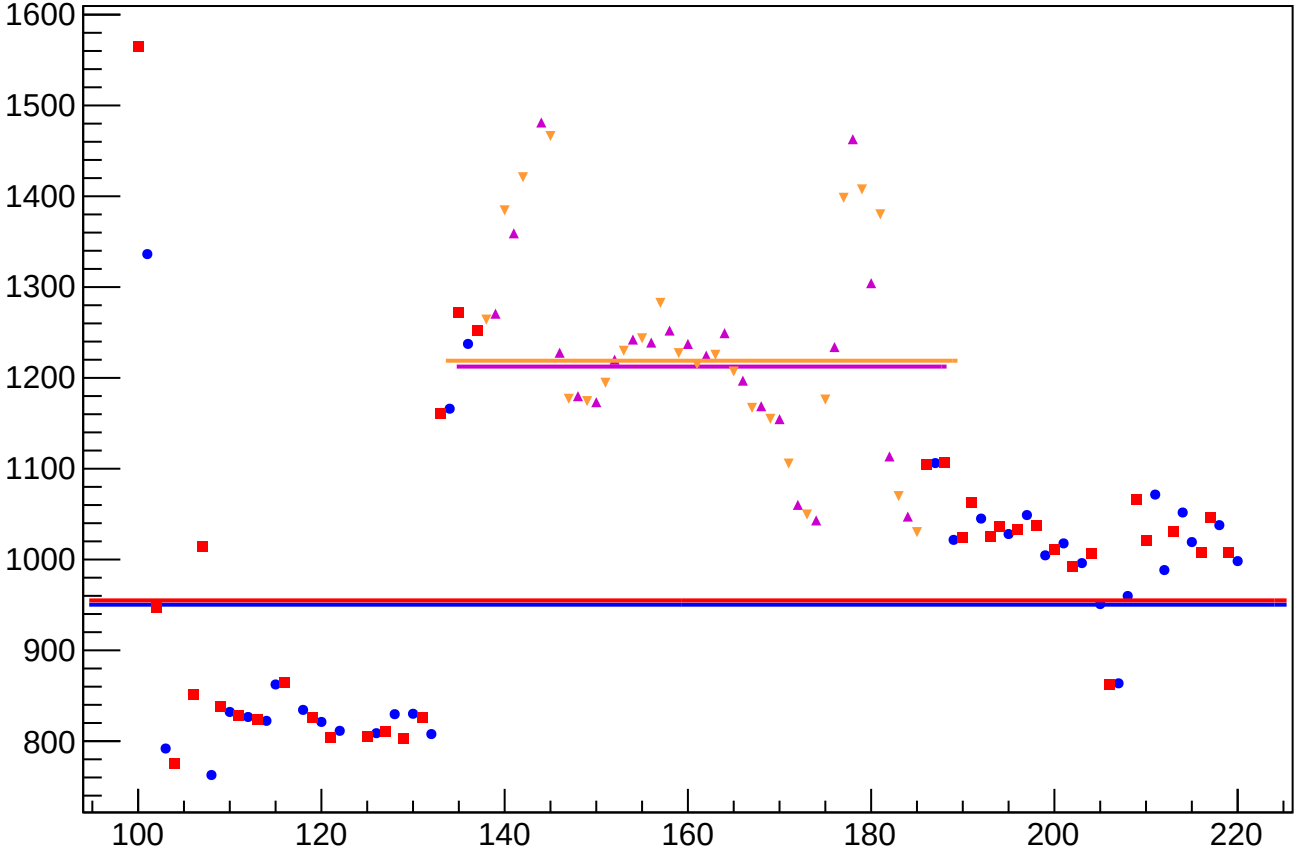
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 286.608+/-168.407 χ^2/NDF: 73.6/56

All: 263.799+/-119.112 χ^2/NDF: 120.4/115

- sign 240.967+/-168.494 χ^2/NDF: 46.7/58

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 950.285+/-0.148 χ^2/NDF: 679342.2/32

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 955.008+/-0.148 χ^2/NDF: 626378.4/35

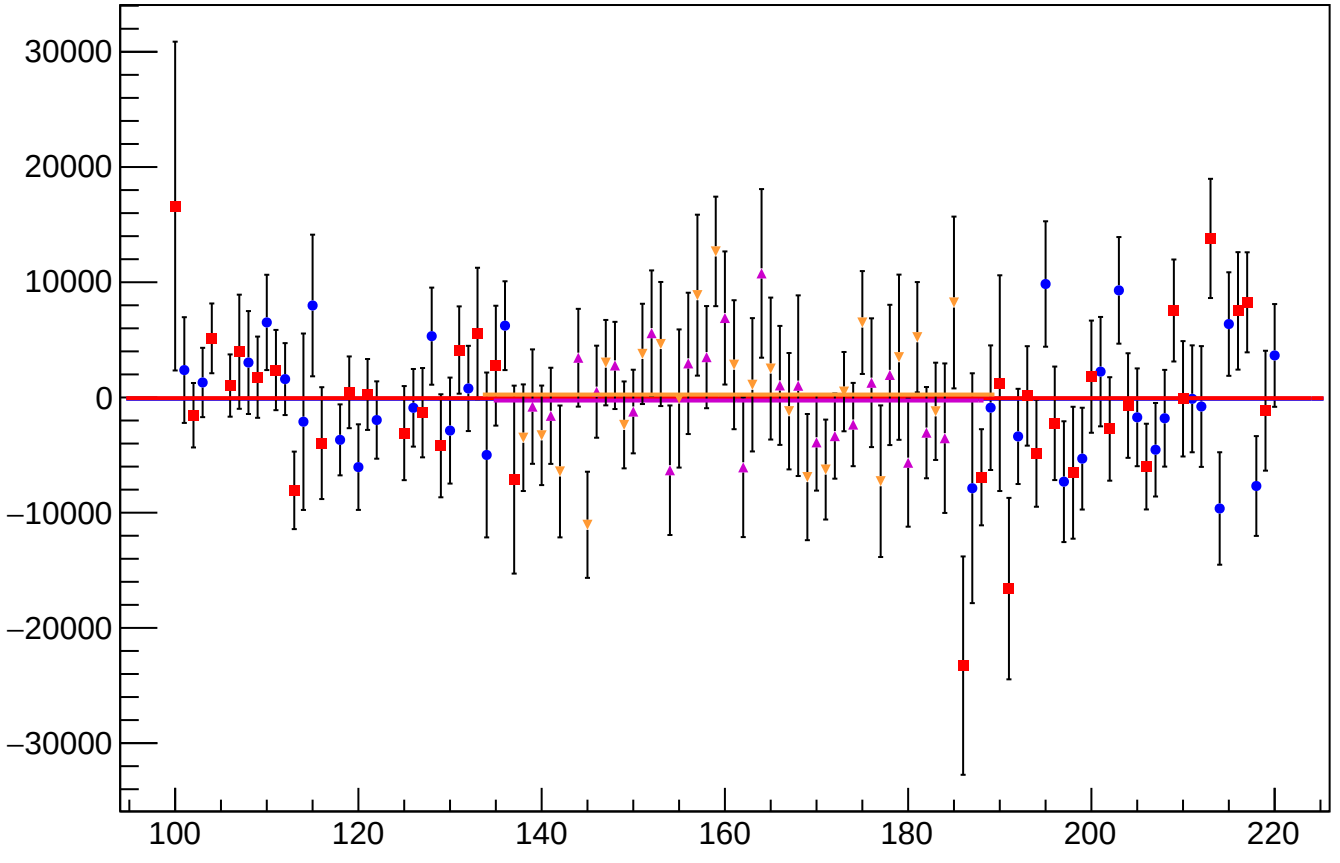
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1044.489+/-0.119 χ^2/NDF: 2132065.9/56

All: 1044.911+/-0.084 χ^2/NDF: 4082708.4/11

- sign 1045.334+/-0.119 χ^2/NDF: 1950617.4/58

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: -116.079+/-745.951 χ^2/NDF: 38.6/32

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -58.872+/-709.227 χ^2/NDF: 52.0/35

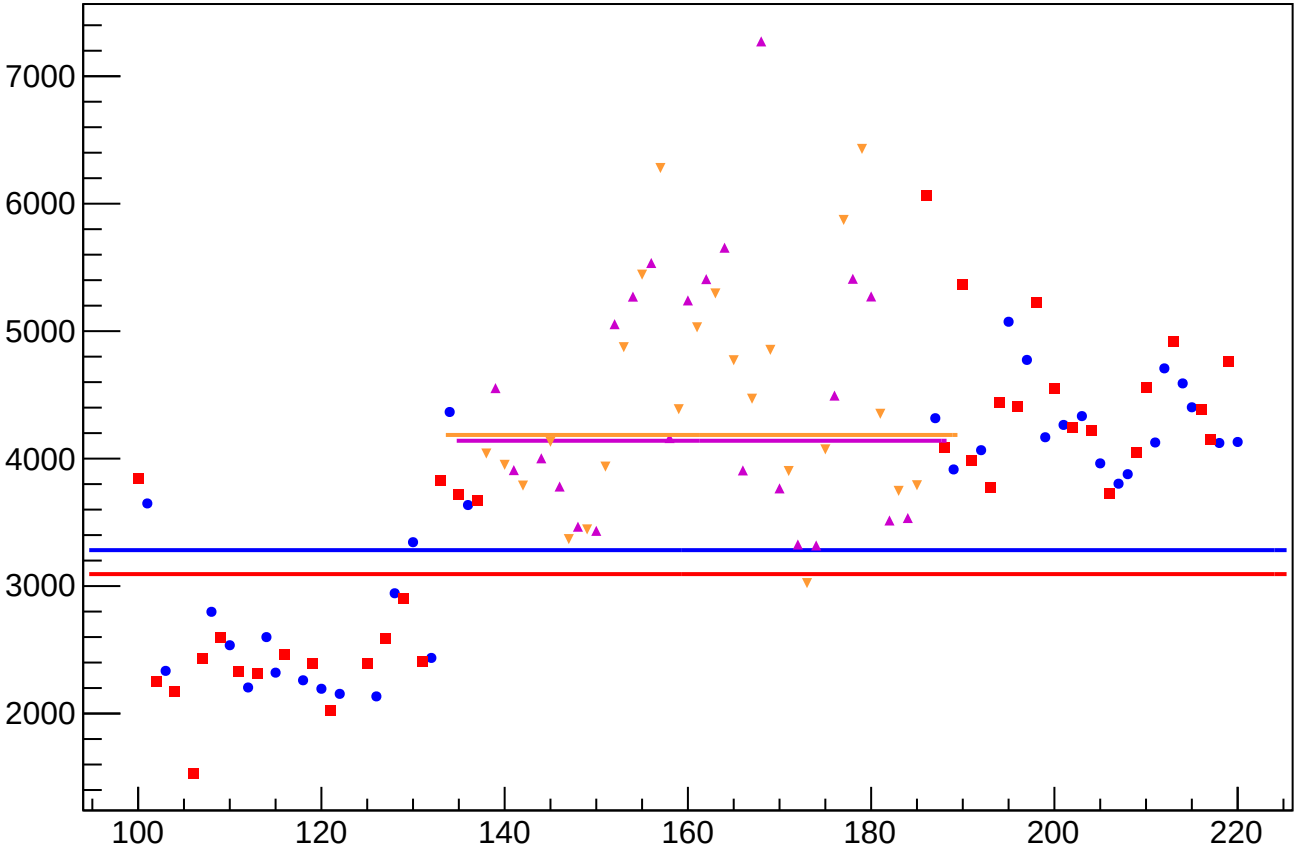
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 16.625+/-596.879 χ^2/NDF: 68.4/56

All: -58.807+/-414.688 χ^2/NDF: 133.9/115

- sign -129.192+/-576.563 χ^2/NDF: 65.5/58

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 3281.900+/-0.527 χ^2/NDF: 3156117.8/32

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 3093.932+/-0.501 χ^2/NDF: 4481835.1/35

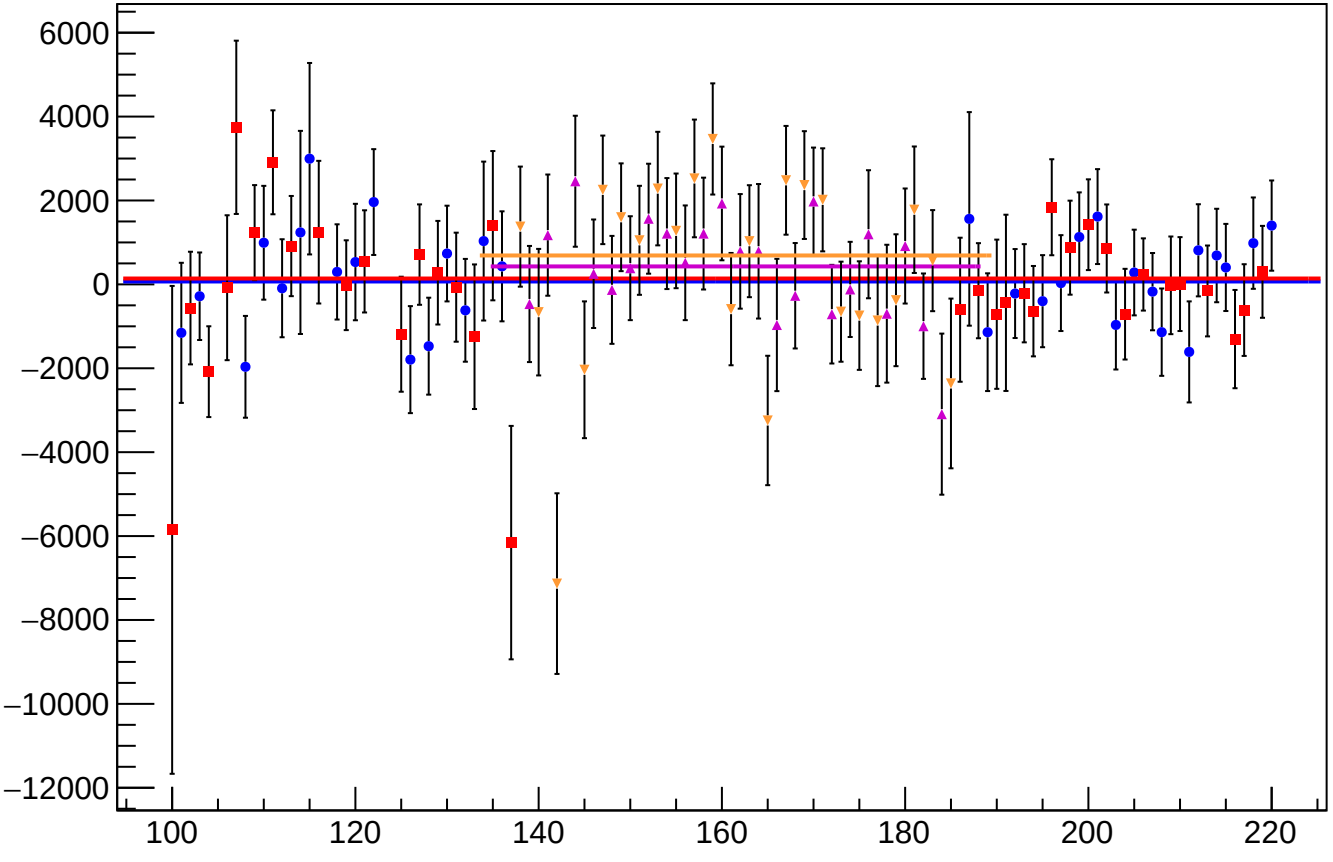
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3607.022+/-0.422 χ^2/NDF: 5483473.3/56

All: 3525.116+/-0.293 χ^2/NDF: 12963651.9/1

- sign 3448.690+/-0.408 χ^2/NDF: 7407375.8/58

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: 69.249+/-208.990 χ^2/NDF: 24.8/32

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 139.764+/-209.159 χ^2/NDF: 31.4/35

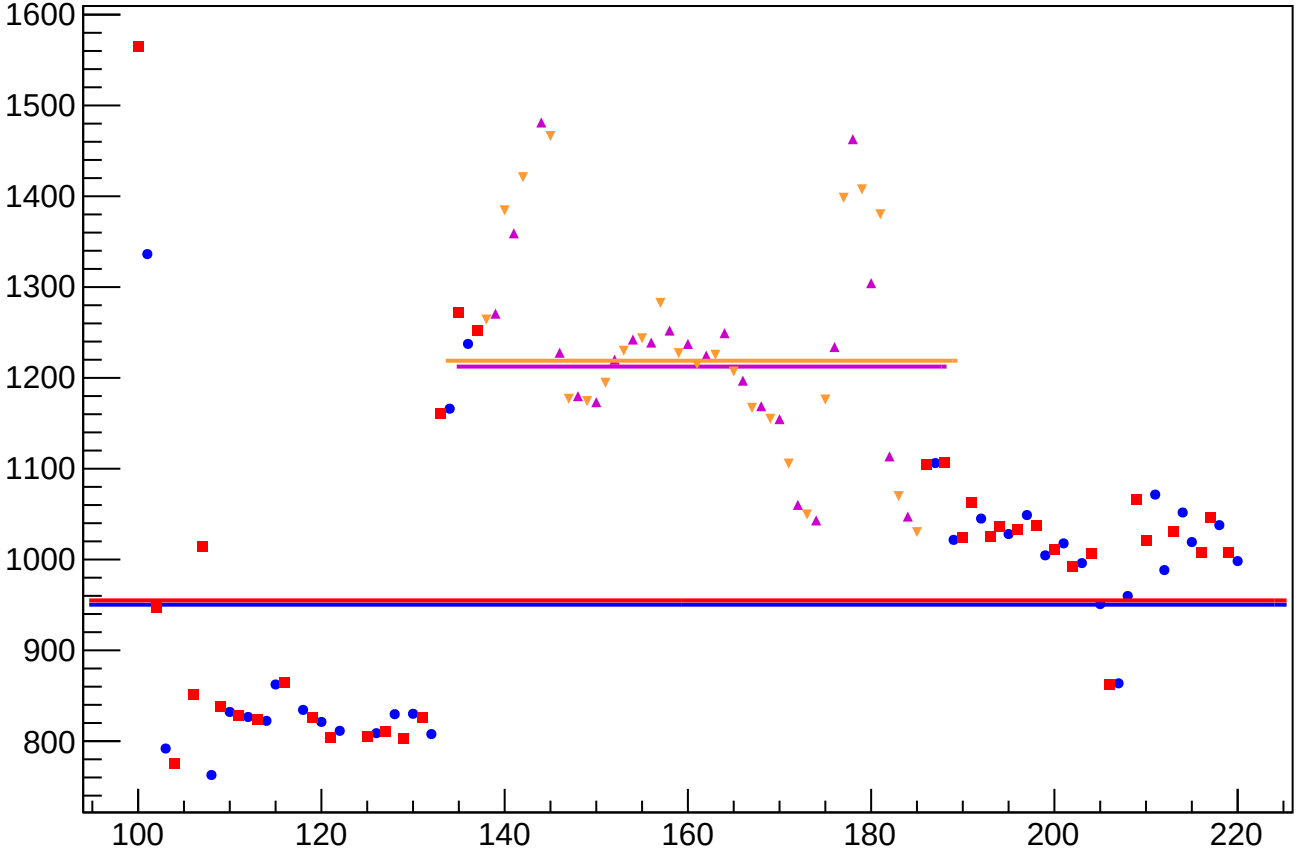
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 286.607+/-168.407 χ^2/NDF: 73.6/56

All: 263.798+/-119.112 χ^2/NDF: 120.4/115

- sign 240.965+/-168.494 χ^2/NDF: 46.7/58

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 950.285+/-0.148 χ^2/NDF: 679342.0/32

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

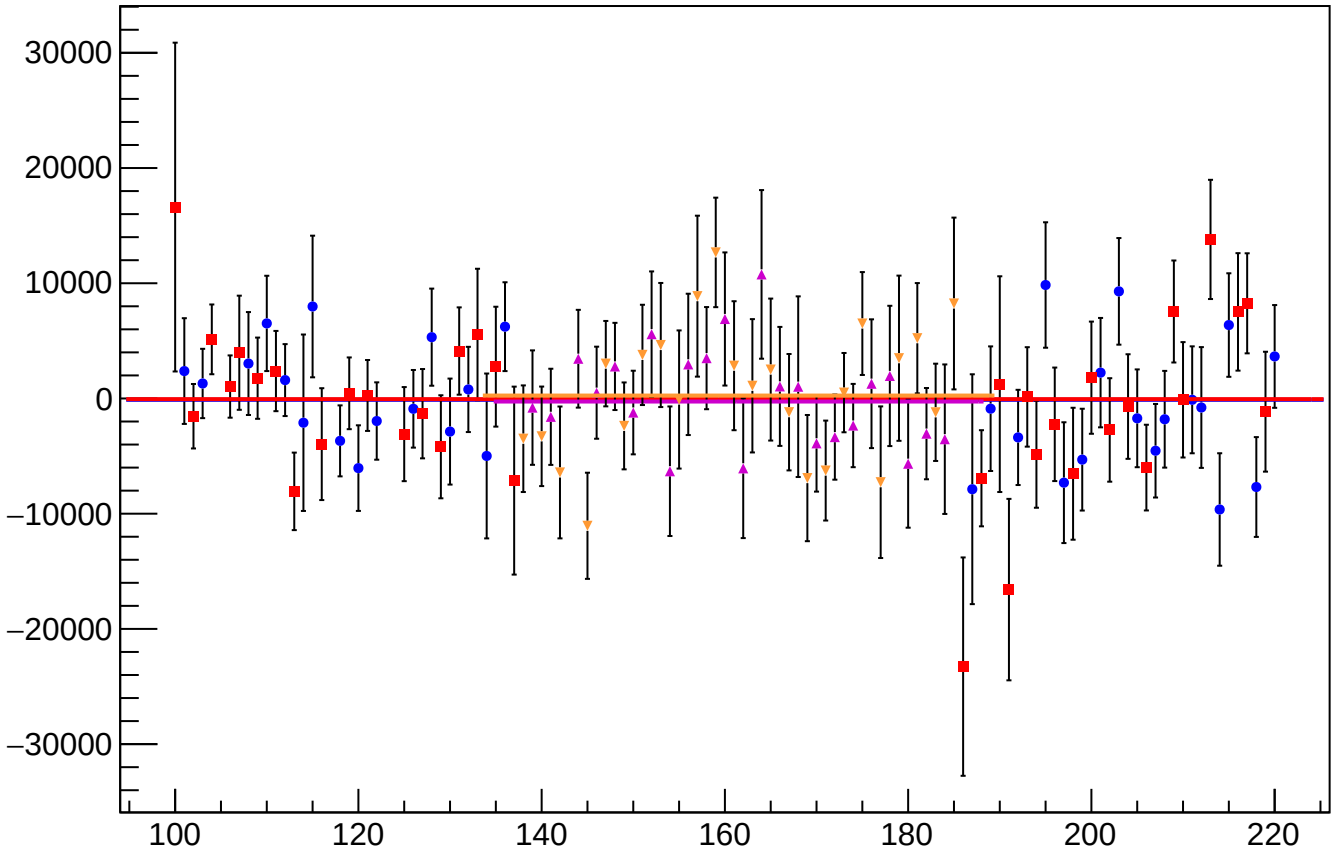
Right Out: 955.008+/-0.148 χ^2/NDF: 626378.8/35

Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1044.490+/-0.119 χ^2/NDF: 2132082.9/56

All: 1044.912+/-0.084 χ^2/NDF: 4082742.9/11

- sign 1045.334+/-0.119 χ^2/NDF: 1950634.9/58



Right In: -116.079+/-745.950 χ^2/NDF: 38.6/32

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -58.868+/-709.226 χ^2/NDF: 52.0/35

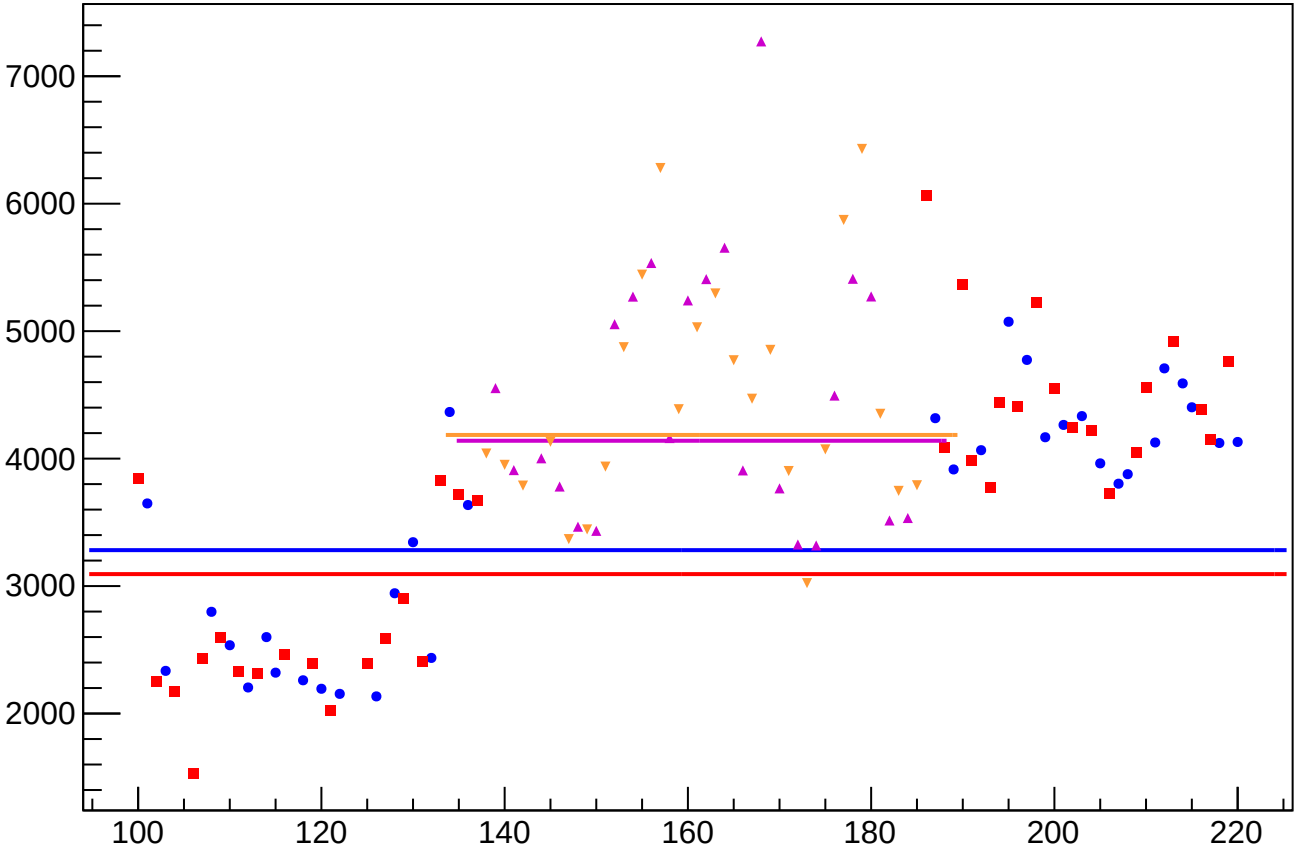
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 16.625+/-596.879 χ^2/NDF: 68.4/56

All: -58.806+/-414.688 χ^2/NDF: 133.9/115

- sign -129.190+/-576.563 χ^2/NDF: 65.5/58

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 3281.895+/-0.527 χ^2/NDF: 3156178.7/32

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 3093.926+/-0.501 χ^2/NDF: 4481885.5/35

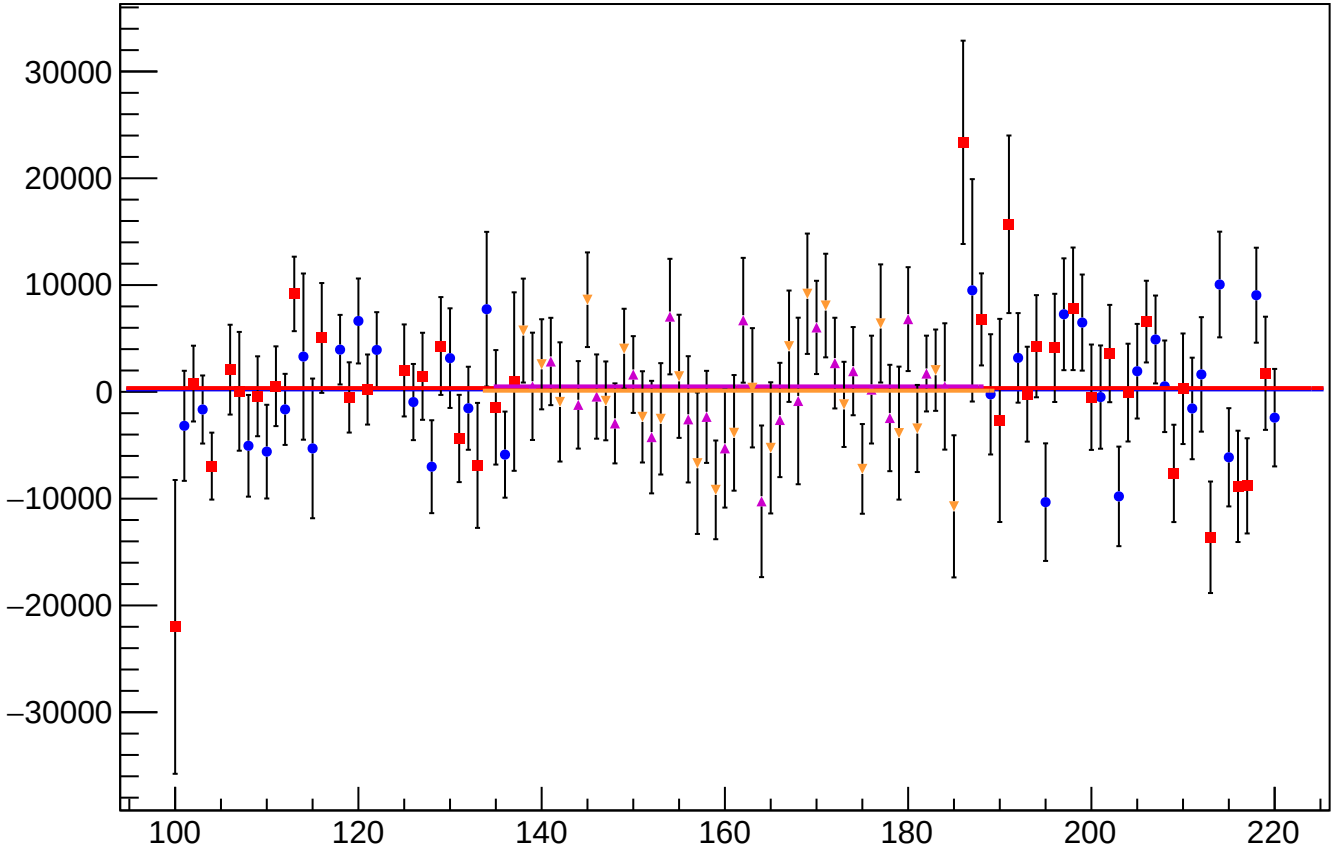
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3607.021+/-0.422 χ^2/NDF: 5483560.9/56

All: 3525.114+/-0.293 χ^2/NDF: 12963826.0/1

- sign 3448.687+/-0.408 χ^2/NDF: 7407461.2/58

asym_usl_atl2_dd_mean vs Slug



Right In: 227.952+/-776.301 χ^2/NDF: 41.9/32

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 353.362+/-760.760 χ^2/NDF: 54.9/35

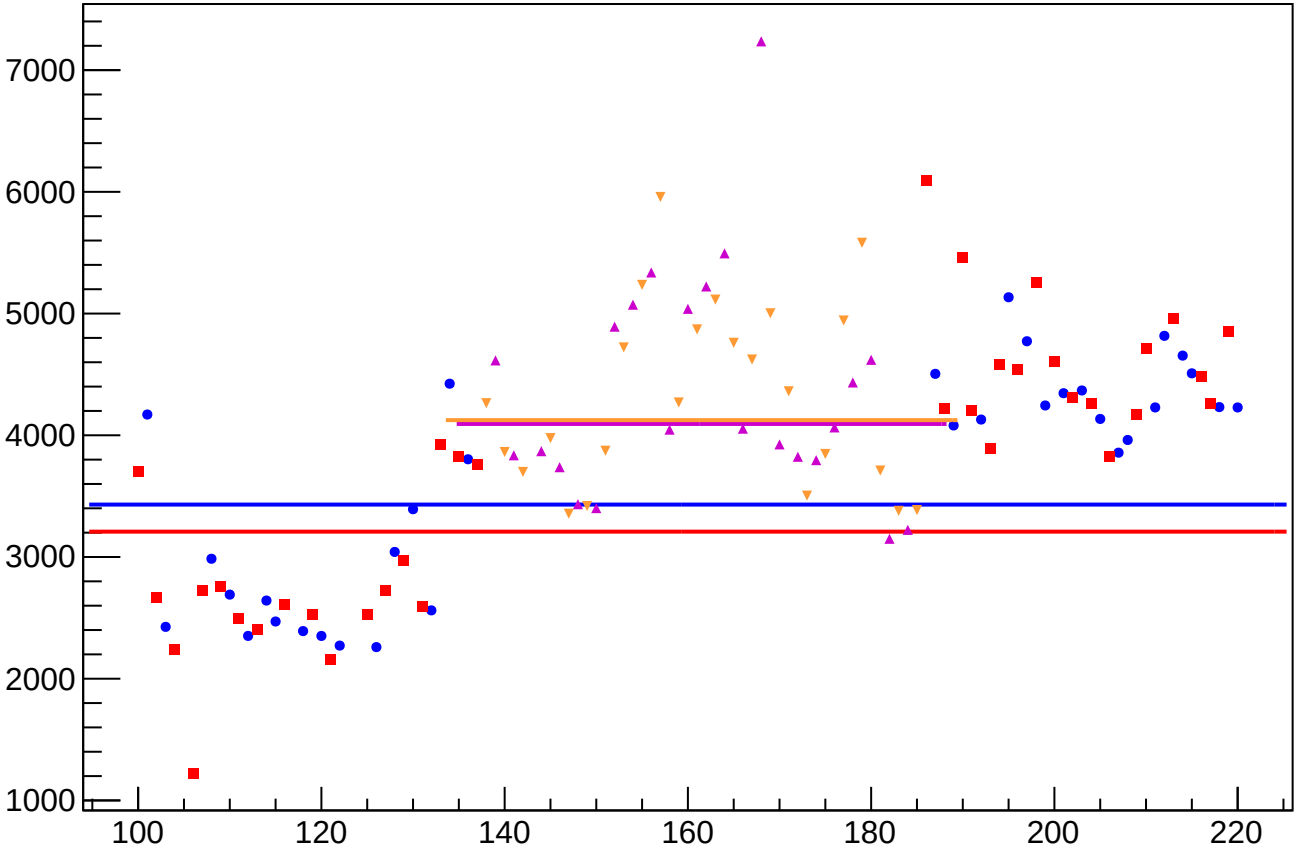
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

\+ sign 181.822+/-607.456 χ^2/NDF: 70.0/56

All: 298.578+/-426.728 χ^2/NDF: 138.4/115

\- sign 412.331+/-599.591 χ^2/NDF: 68.4/58

asym_usl_atl2_dd_rms vs Slug



Right In: 3430.699+/-0.549 χ^2/NDF: 2835238.0/32

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3208.384+/-0.523 χ^2/NDF: 4594785.4/35

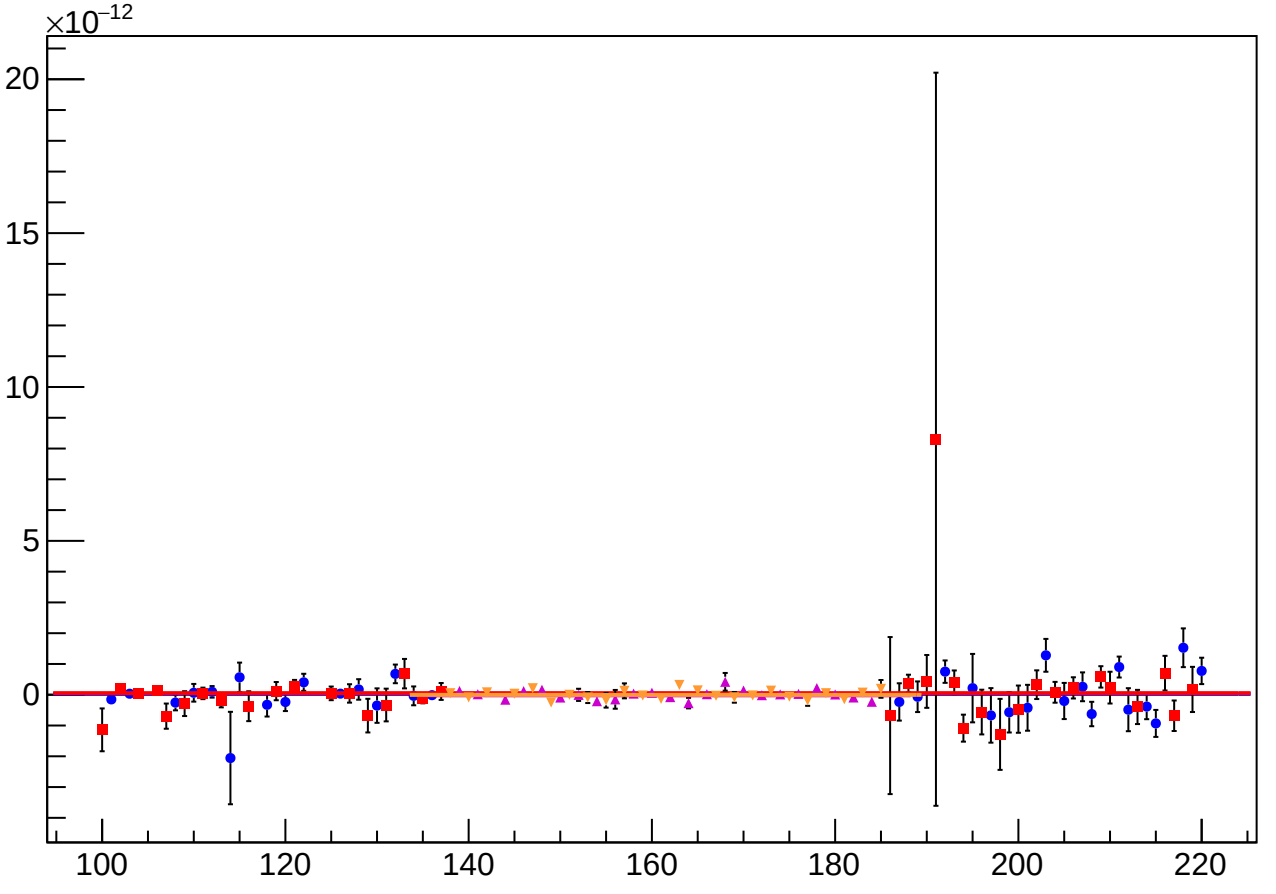
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3699.675+/-0.430 χ^2/NDF: 4424476.3/56

All: 3613.177+/-0.299 χ^2/NDF: 11307156.9/1

- sign 3531.842+/-0.417 χ^2/NDF: 6803997.8/58

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 51.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

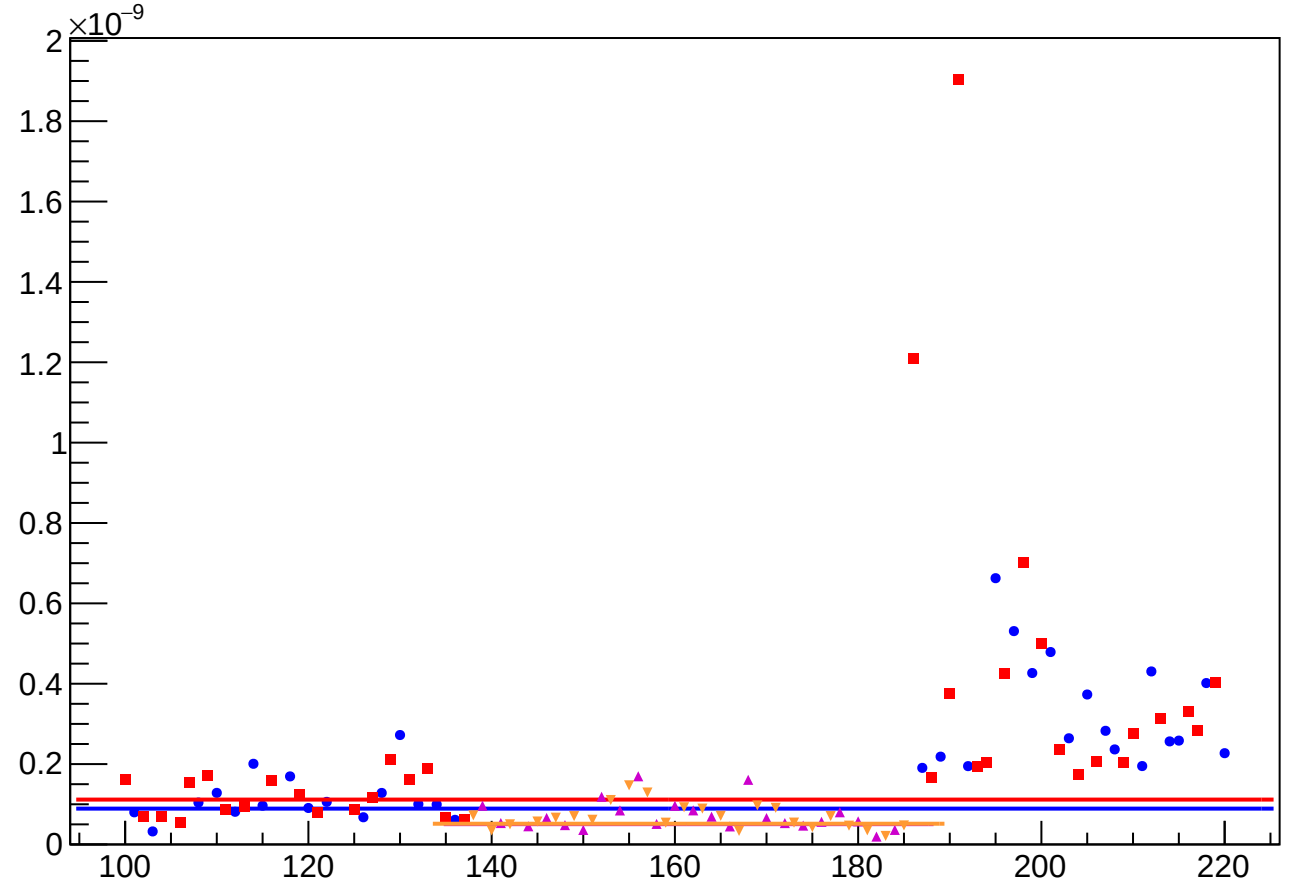
Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/35

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.4/56

All: -0.000+/-0.000 χ^2/NDF: 140.2/115

- sign -0.000+/-0.000 χ^2/NDF: 63.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 7582320.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5354099.1/35

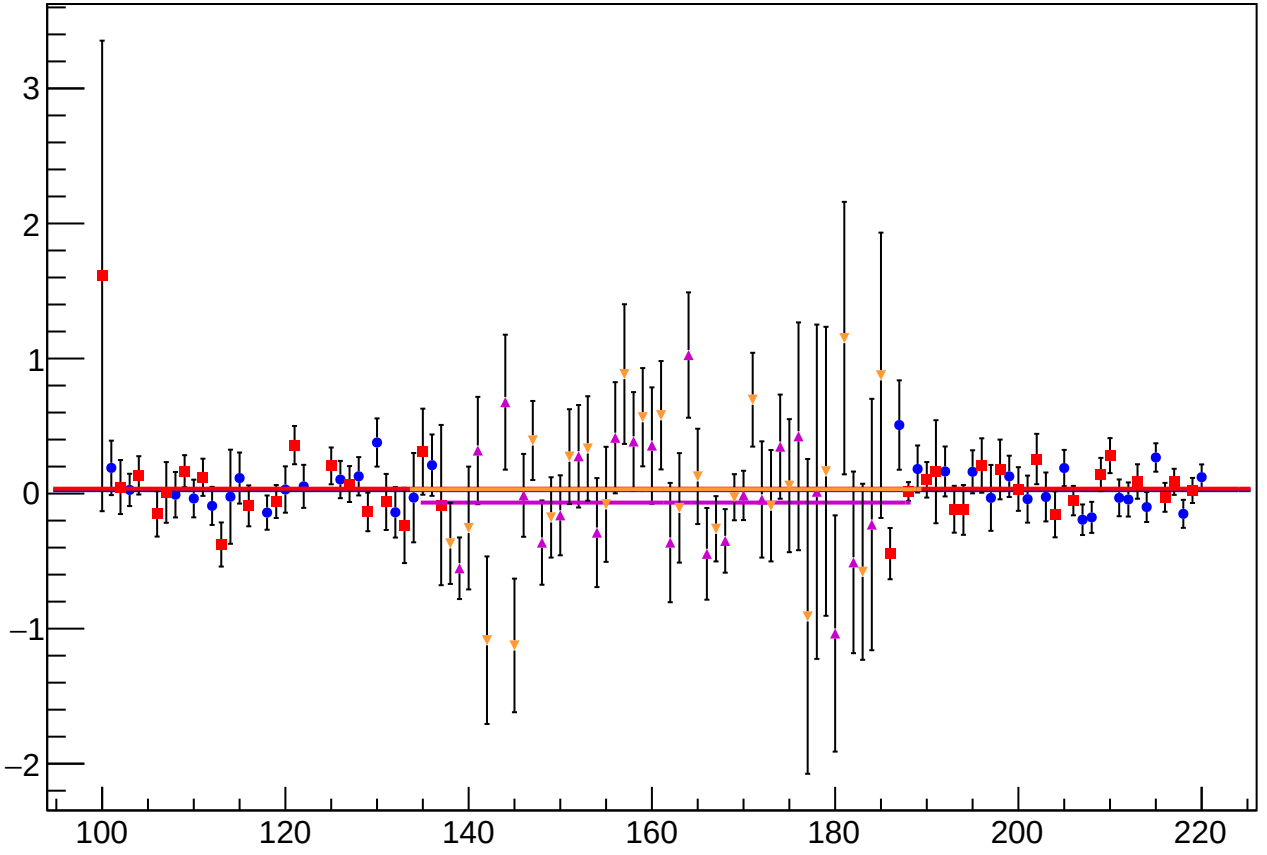
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 11129435.2/56

All: 0.000+/-0.000 χ^2/NDF: 21568494.2/115

- sign 0.000+/-0.000 χ^2/NDF: 10436436.1/58

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.025+/-0.026 χ^2/NDF: 34.0/32

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

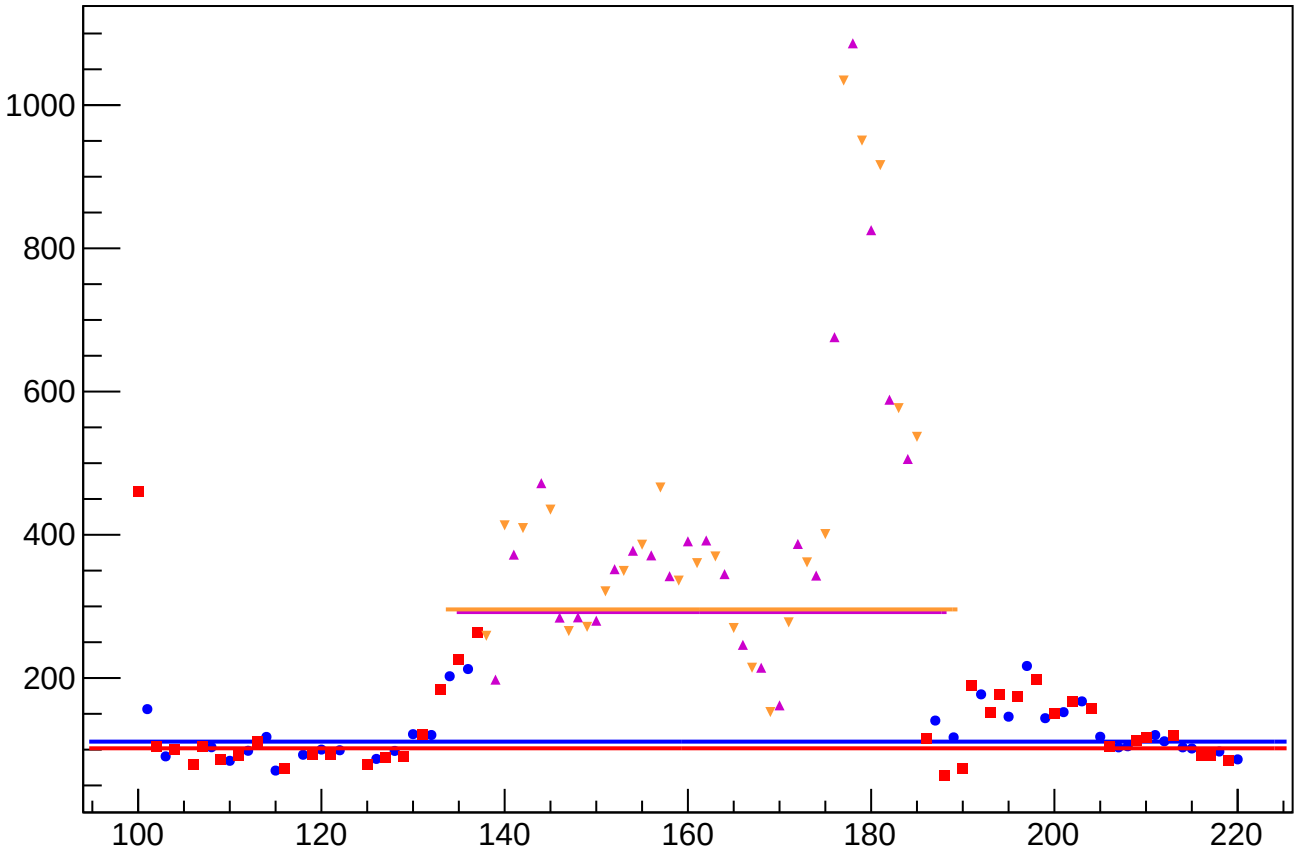
Right Out: 0.036+/-0.024 χ^2/NDF: 40.0/35

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.026+/-0.024 χ^2/NDF: 63.7/56

All: 0.026+/-0.017 χ^2/NDF: 131.1/115

- sign 0.027+/-0.023 χ^2/NDF: 67.4/58



Right In: 111.176+/-0.018 χ^2/NDF: 2420424.2/32

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

Right Out: 101.846+/-0.017 χ^2/NDF: 3762123.6/35

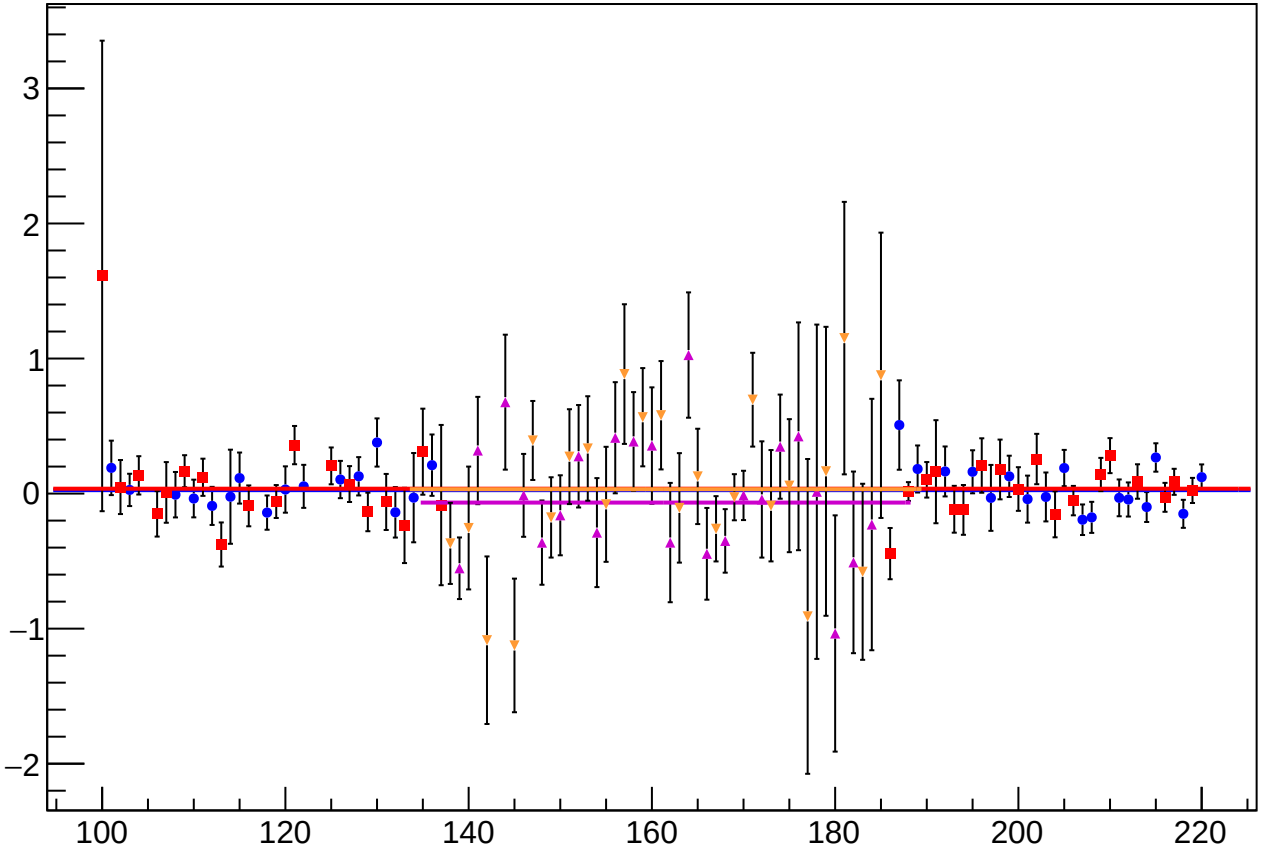
Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 129.930+/-0.017 χ^2/NDF: 18523614.1/56

All: 124.393+/-0.012 χ^2/NDF: 39301229.1/11

- sign 119.503+/-0.016 χ^2/NDF: 20580833.6/58

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.025+/-0.026 χ^2/NDF: 34.0/32

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

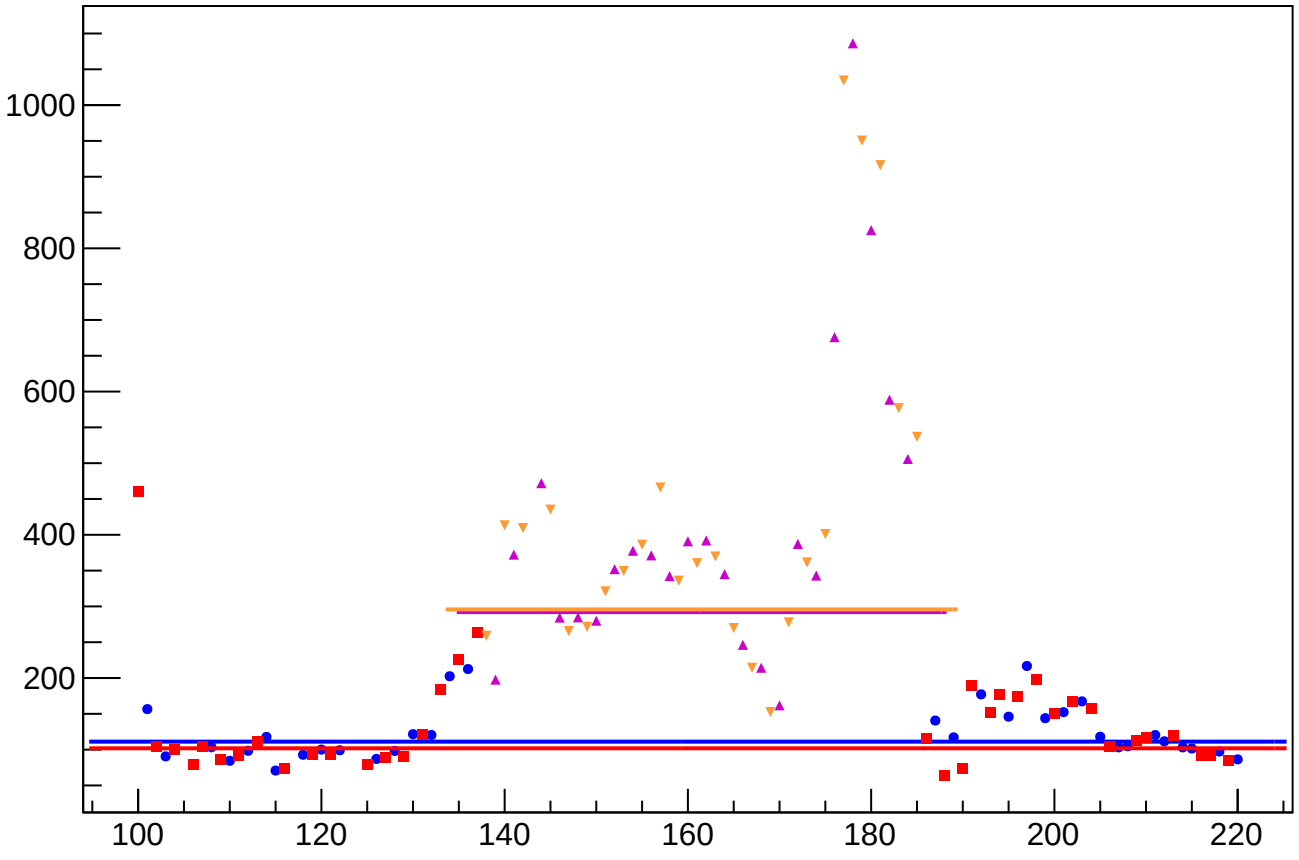
Right Out: 0.036+/-0.024 χ^2/NDF: 40.0/35

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.026+/-0.024 χ^2/NDF: 63.7/56

All: 0.026+/-0.017 χ^2/NDF: 131.1/115

- sign 0.027+/-0.023 χ^2/NDF: 67.4/58



Right In: 111.176+/-0.018 χ^2/NDF: 2420424.2/32

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

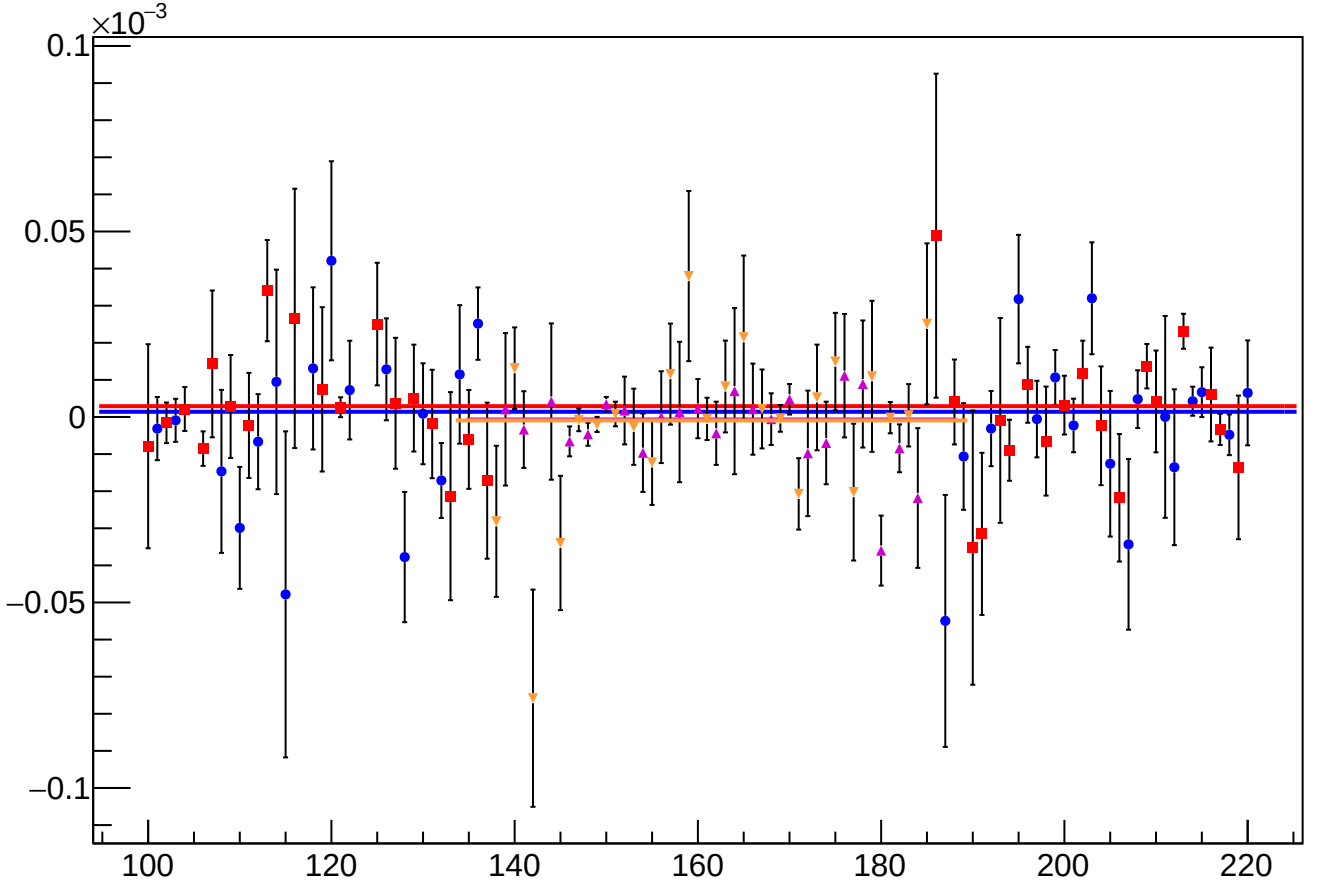
Right Out: 101.846+/-0.017 χ^2/NDF: 3762123.6/35

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 129.930+/-0.017 χ^2/NDF: 18523614.1/56

All: 124.393+/-0.012 χ^2/NDF: 39301229.1/11

- sign 119.503+/-0.016 χ^2/NDF: 20580833.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 43.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 52.4/35

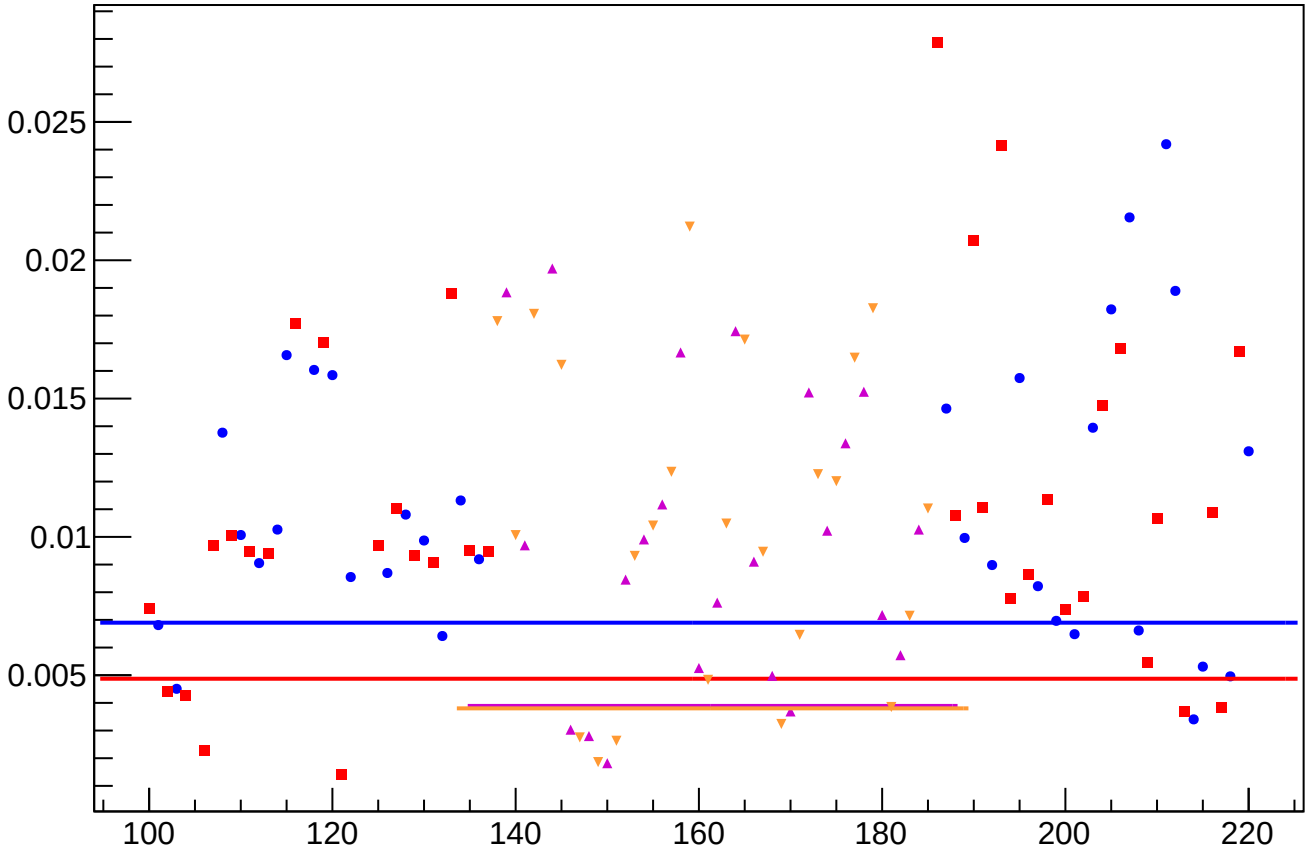
Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.6/56

All: 0.000+/-0.000 χ^2/NDF: 160.1/115

- sign 0.000+/-0.000 χ^2/NDF: 85.9/58

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 8411692.1/32

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

Right Out: 0.005+/-0.000 χ^2/NDF: 14801751.2/35

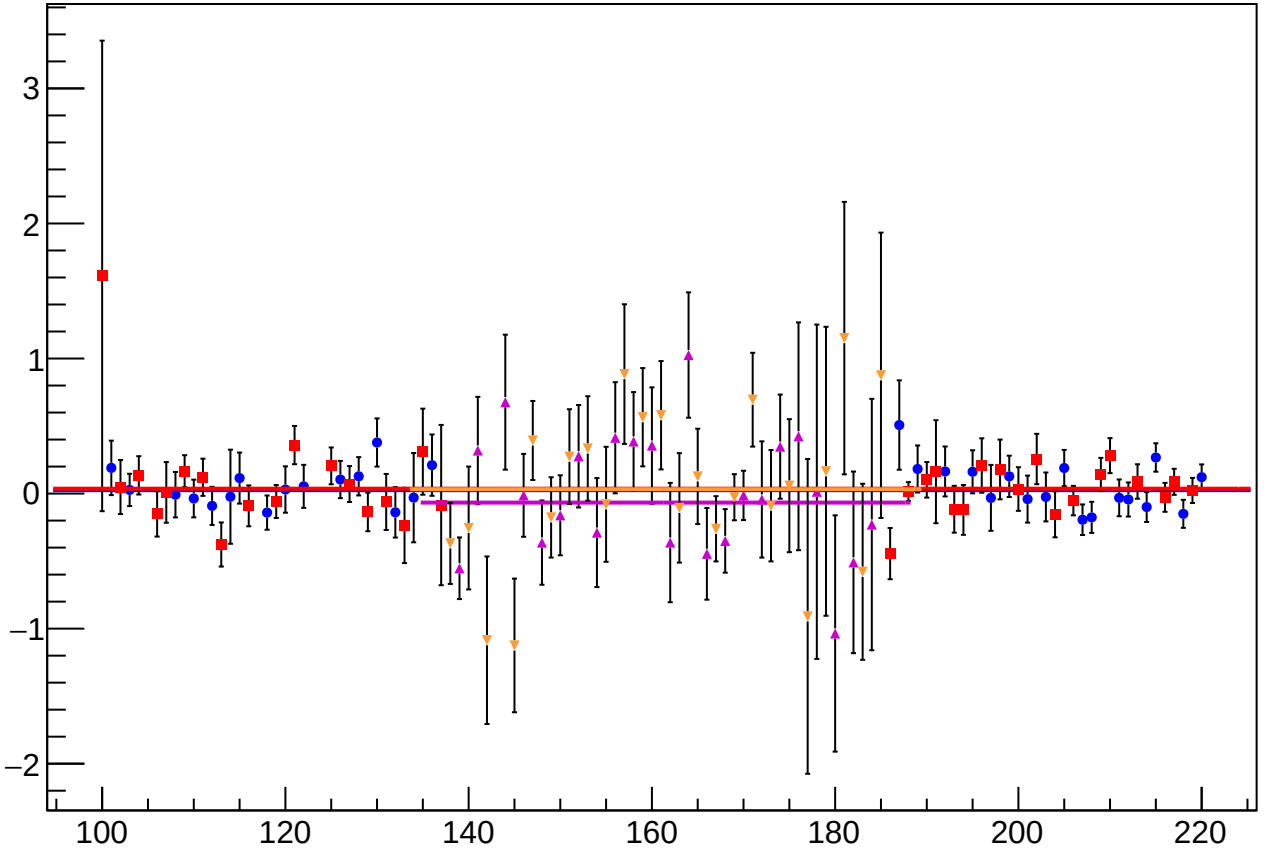
Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 27288935.0/56

All: 0.005+/-0.000 χ^2/NDF: 56398149.5/115

- sign 0.004+/-0.000 χ^2/NDF: 28882233.7/58

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.025+/-0.026 χ^2/NDF: 34.0/32

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

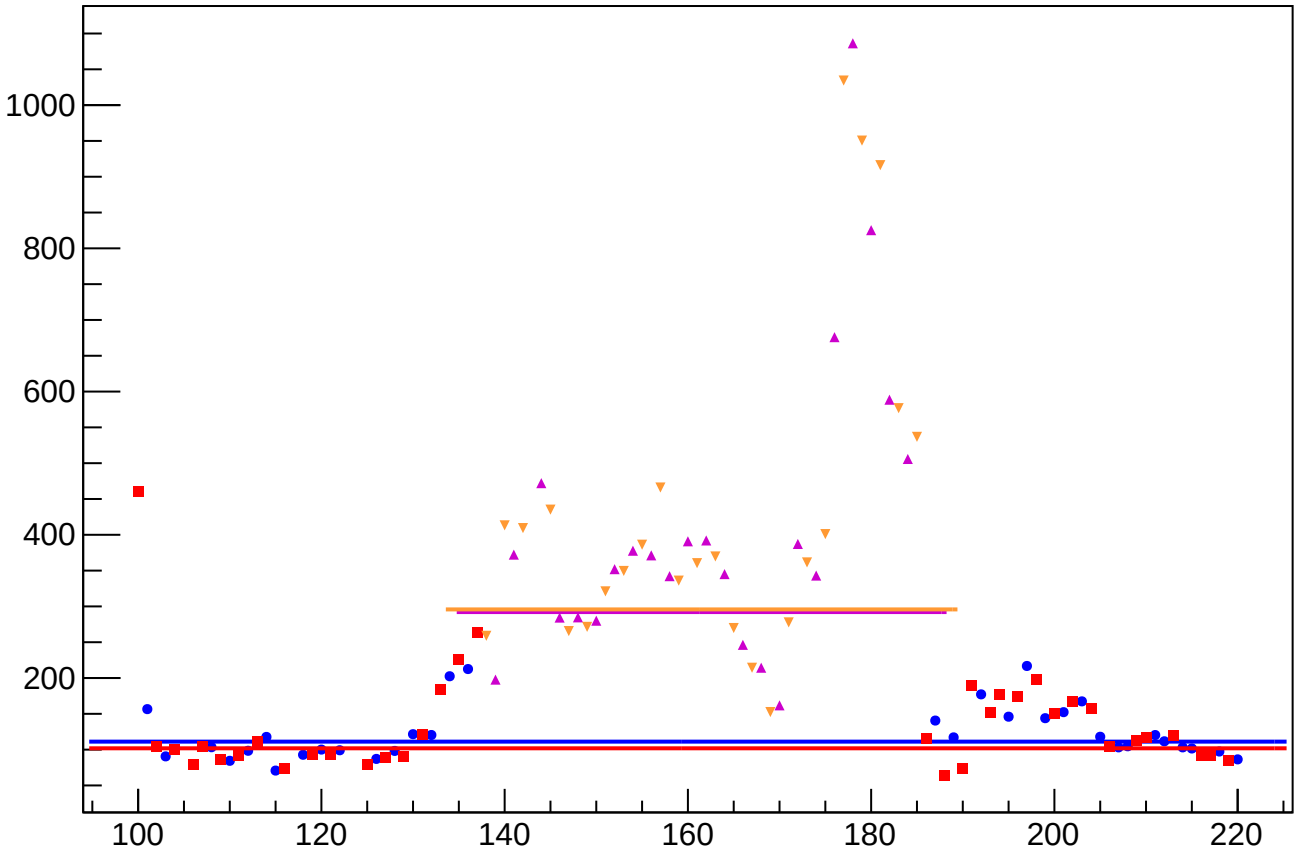
Right Out: 0.036+/-0.024 χ^2/NDF: 40.0/35

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.026+/-0.024 χ^2/NDF: 63.7/56

All: 0.026+/-0.017 χ^2/NDF: 131.1/115

- sign 0.027+/-0.023 χ^2/NDF: 67.4/58



Right In: 111.176+/-0.018 χ^2/NDF: 2420373.9/32

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

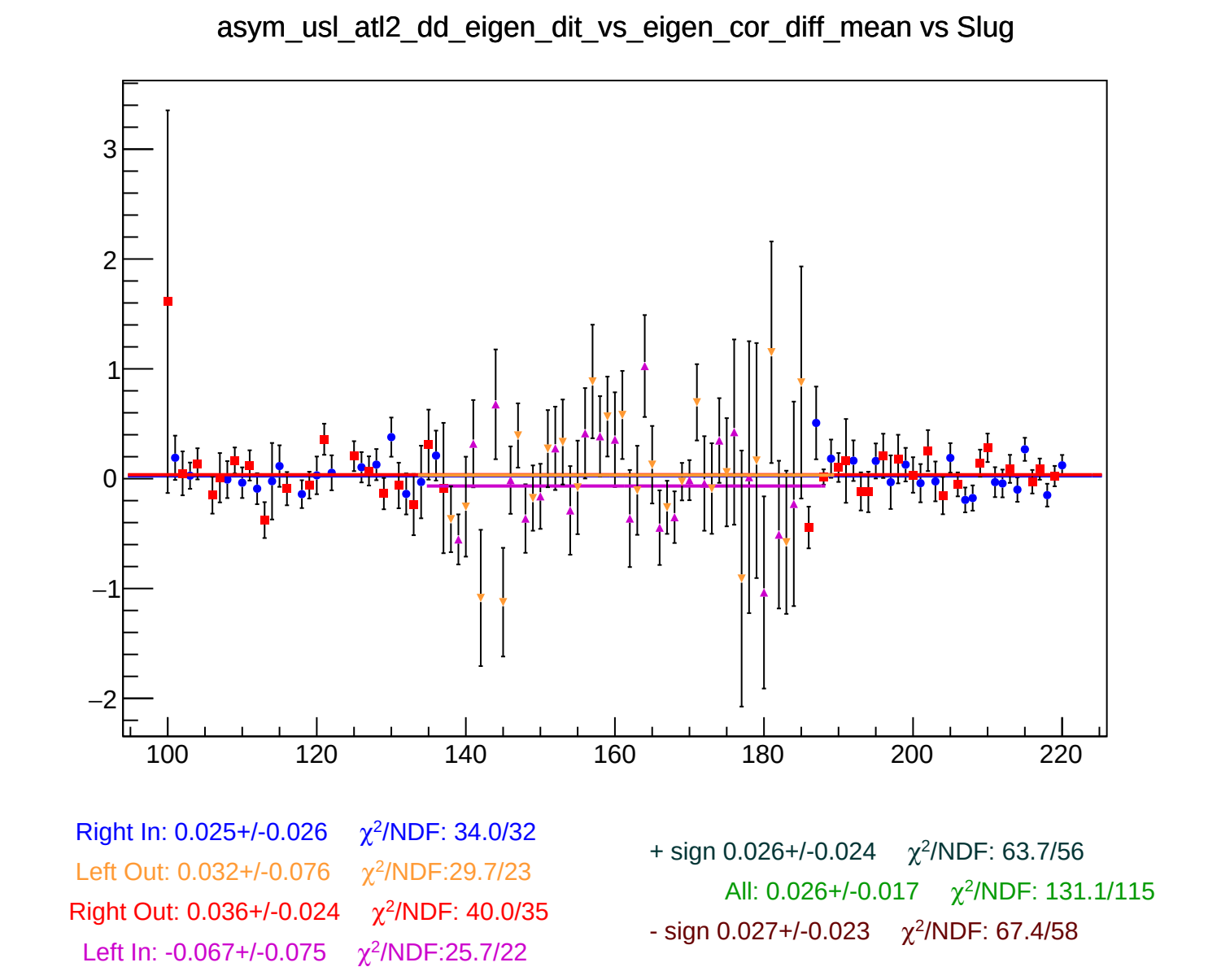
Right Out: 101.845+/-0.017 χ^2/NDF: 3762237.5/35

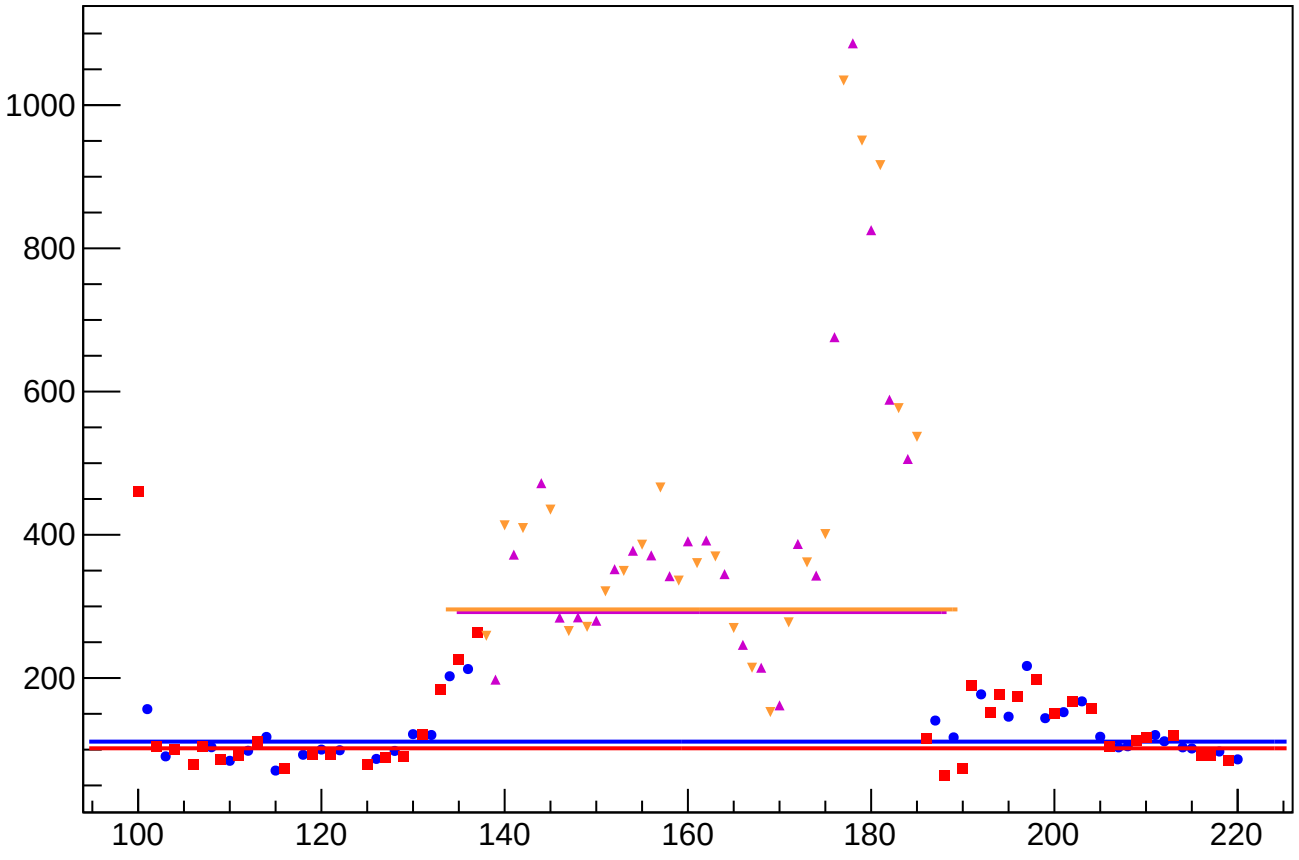
Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 129.931+/-0.017 χ^2/NDF: 18523628.2/56

All: 124.393+/-0.012 χ^2/NDF: 39301628.5/11

- sign 119.503+/-0.016 χ^2/NDF: 20581170.1/58


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
220
Right In: 0.025+/-0.026 χ²/NDF: 34.0/32
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.036+/-0.024 χ²/NDF: 40.0/35
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.026+/-0.024 χ²/NDF: 63.7/56
All: 0.026+/-0.017 χ²/NDF: 131.1/115
- sign 0.027+/-0.023 χ²/NDF: 67.4/58



Right In: 111.176+/-0.018 χ^2/NDF: 2420373.9/32

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

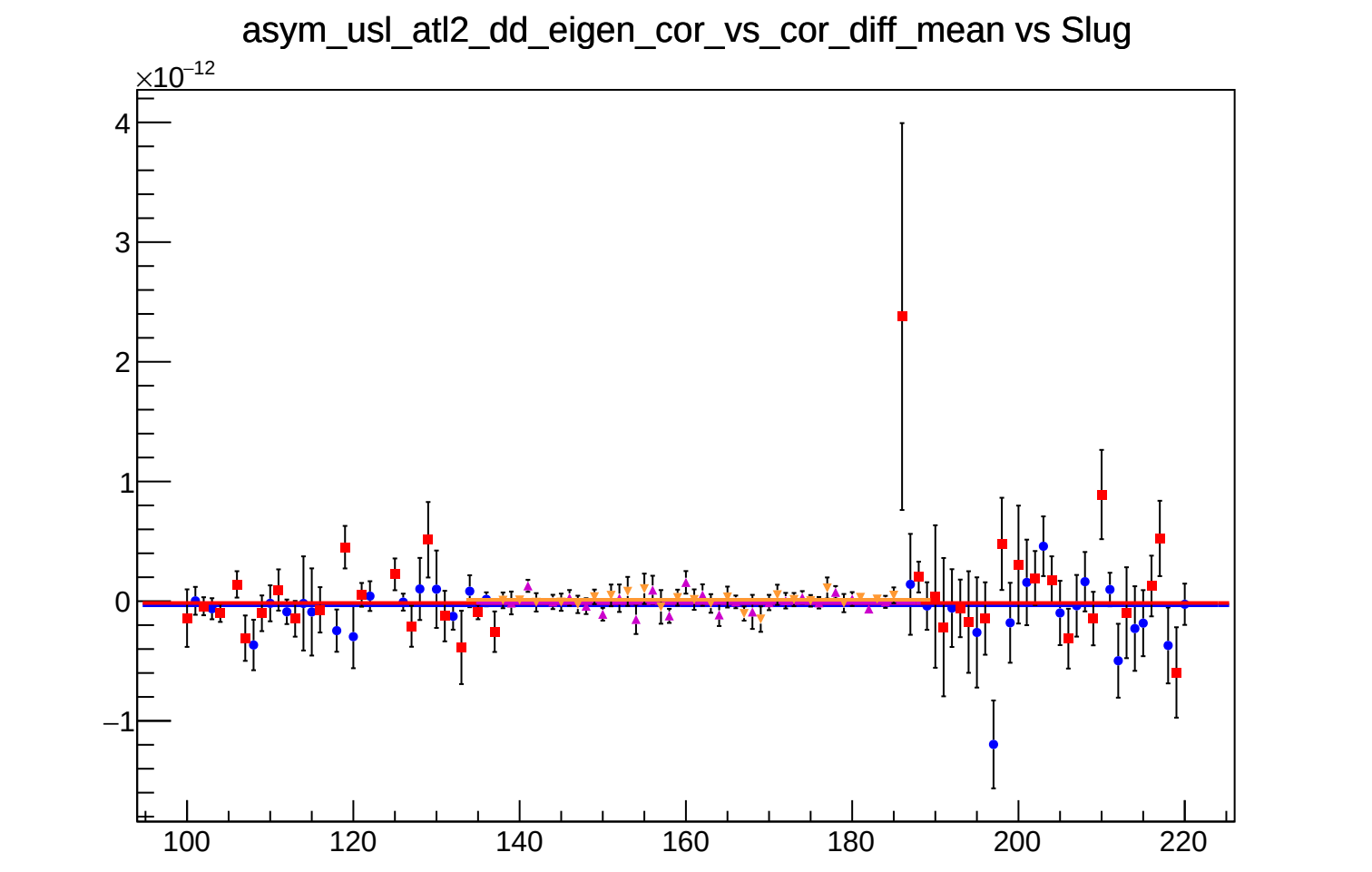
Right Out: 101.845+/-0.017 χ^2/NDF: 3762237.5/35

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 129.931+/-0.017 χ^2/NDF: 18523628.2/56

All: 124.393+/-0.012 χ^2/NDF: 39301628.5/11

- sign 119.503+/-0.016 χ^2/NDF: 20581170.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 29.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:10.6/23

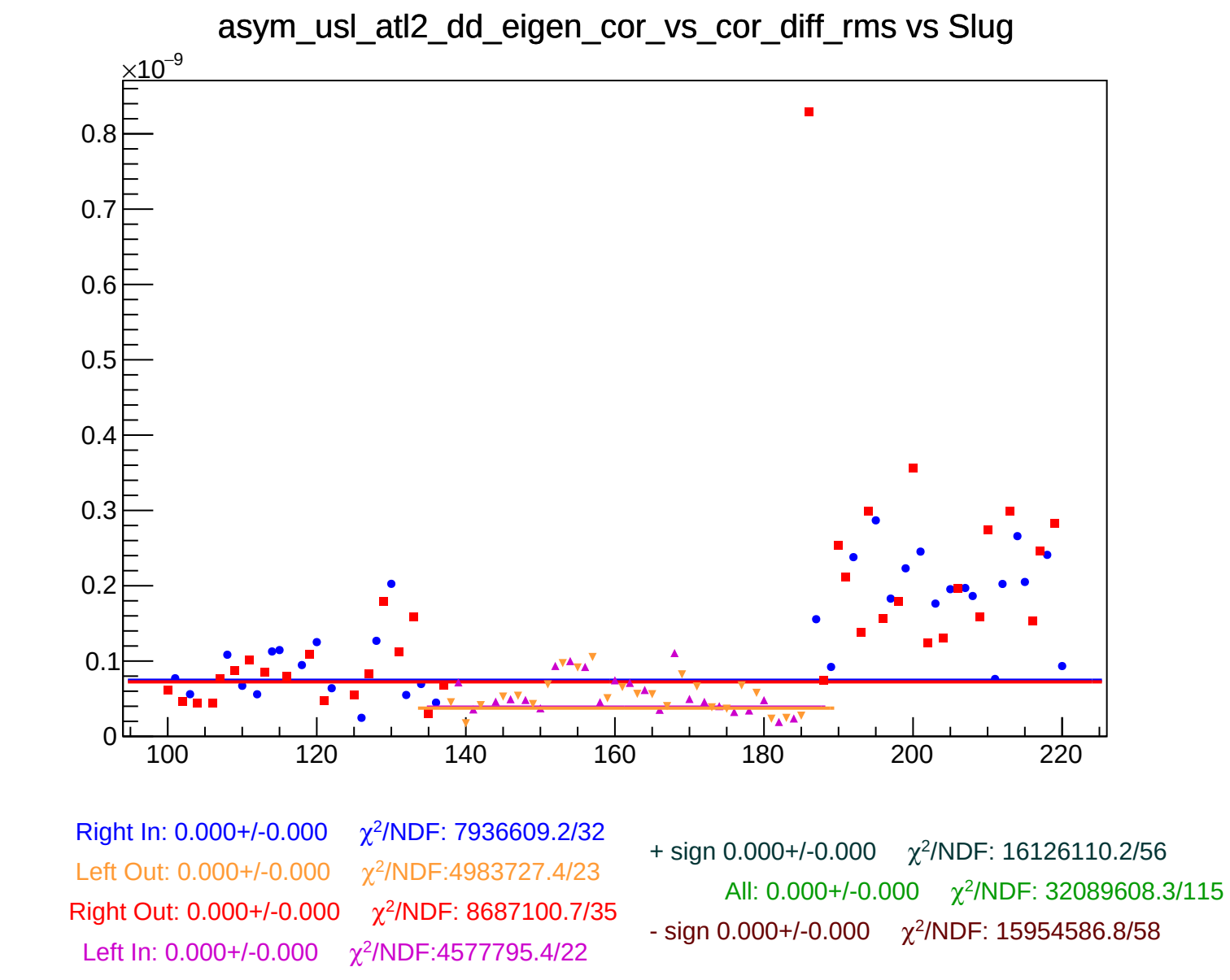
Right Out: -0.000+/-0.000 χ^2/NDF: 50.4/35

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

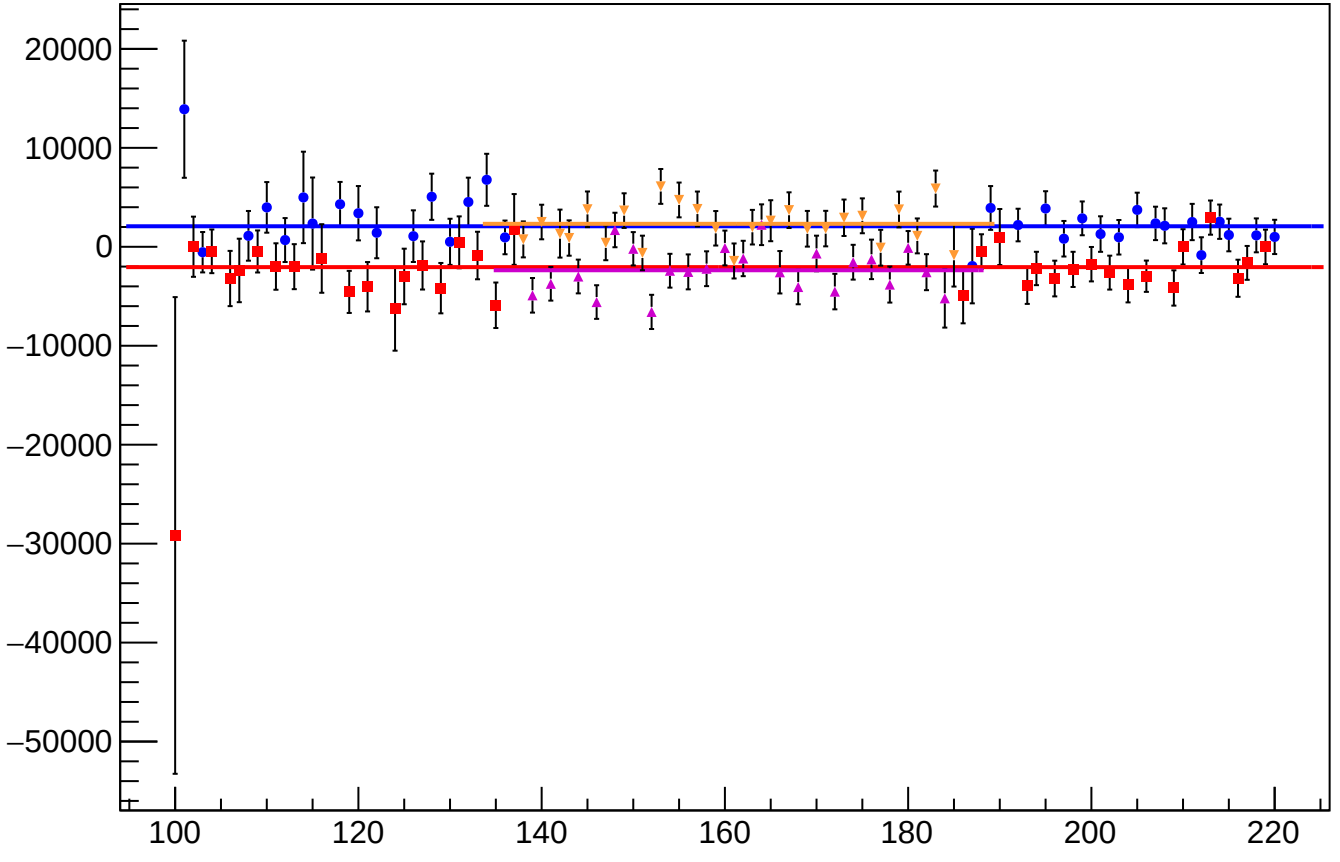
\+ sign 0.000+/-0.000 χ^2/NDF: 42.0/56

All: -0.000+/-0.000 χ^2/NDF: 124.8/115

\- sign -0.000+/-0.000 χ^2/NDF: 81.2/58


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7936609.2/32
Left Out: 0.000+/-0.000 χ²/NDF:4983727.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 8687100.7/35
Left In: 0.000+/-0.000 χ²/NDF:4577795.4/22
+ sign 0.000+/-0.000 χ²/NDF: 16126110.2/56
All: 0.000+/-0.000 χ²/NDF: 32089608.3/115
- sign 0.000+/-0.000 χ²/NDF: 15954586.8/58

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2074.318+/-359.021 χ^2/NDF: 23.0/32

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2054.749+/-356.687 χ^2/NDF: 30.9/35

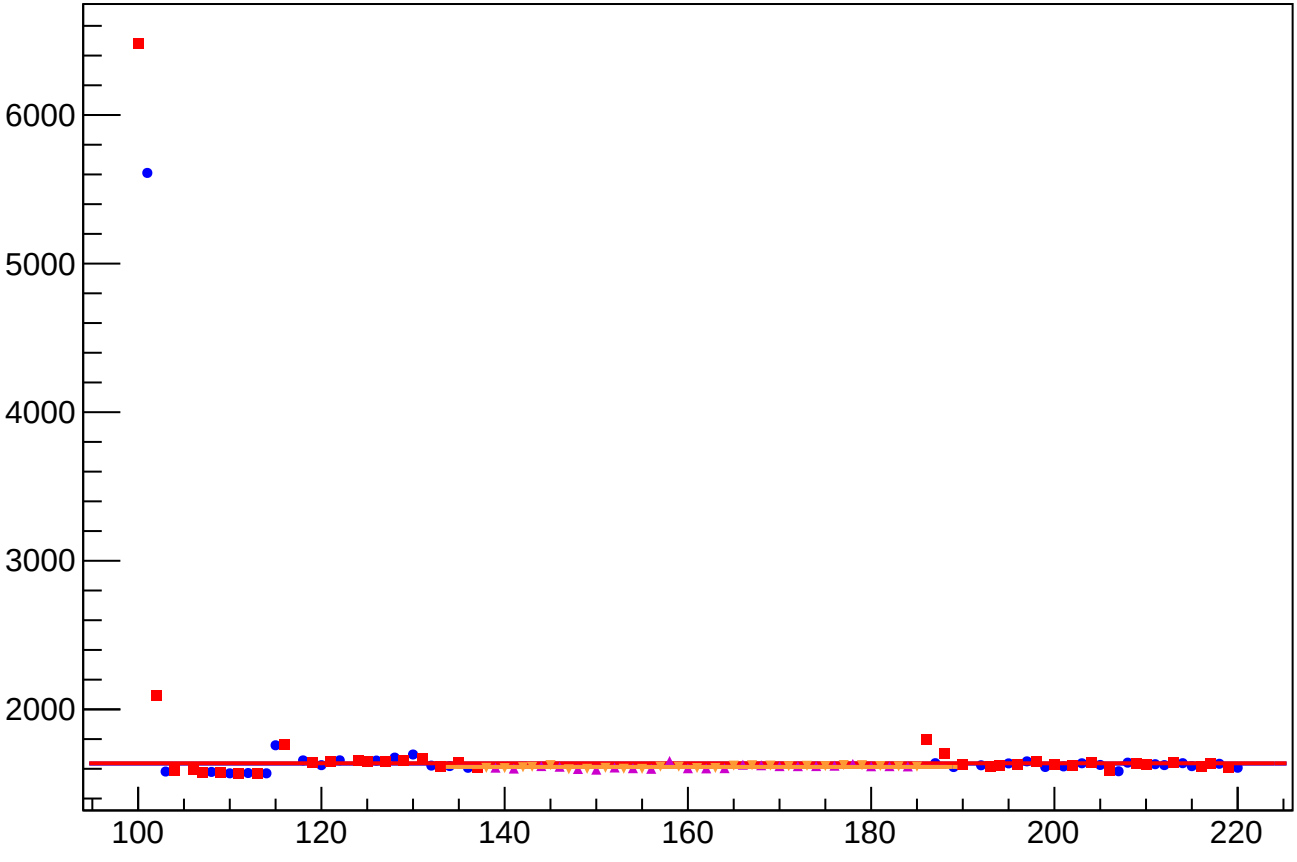
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2195.216+/-256.401 χ^2/NDF: 50.8/57

All: 18.056+/-182.227 χ^2/NDF: 261.5/116

- sign -2204.035+/-259.034 χ^2/NDF: 65.0/58

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1635.008+/-0.254 χ^2/NDF: 672360.1/32

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1637.288+/-0.252 χ^2/NDF: 149745.2/35

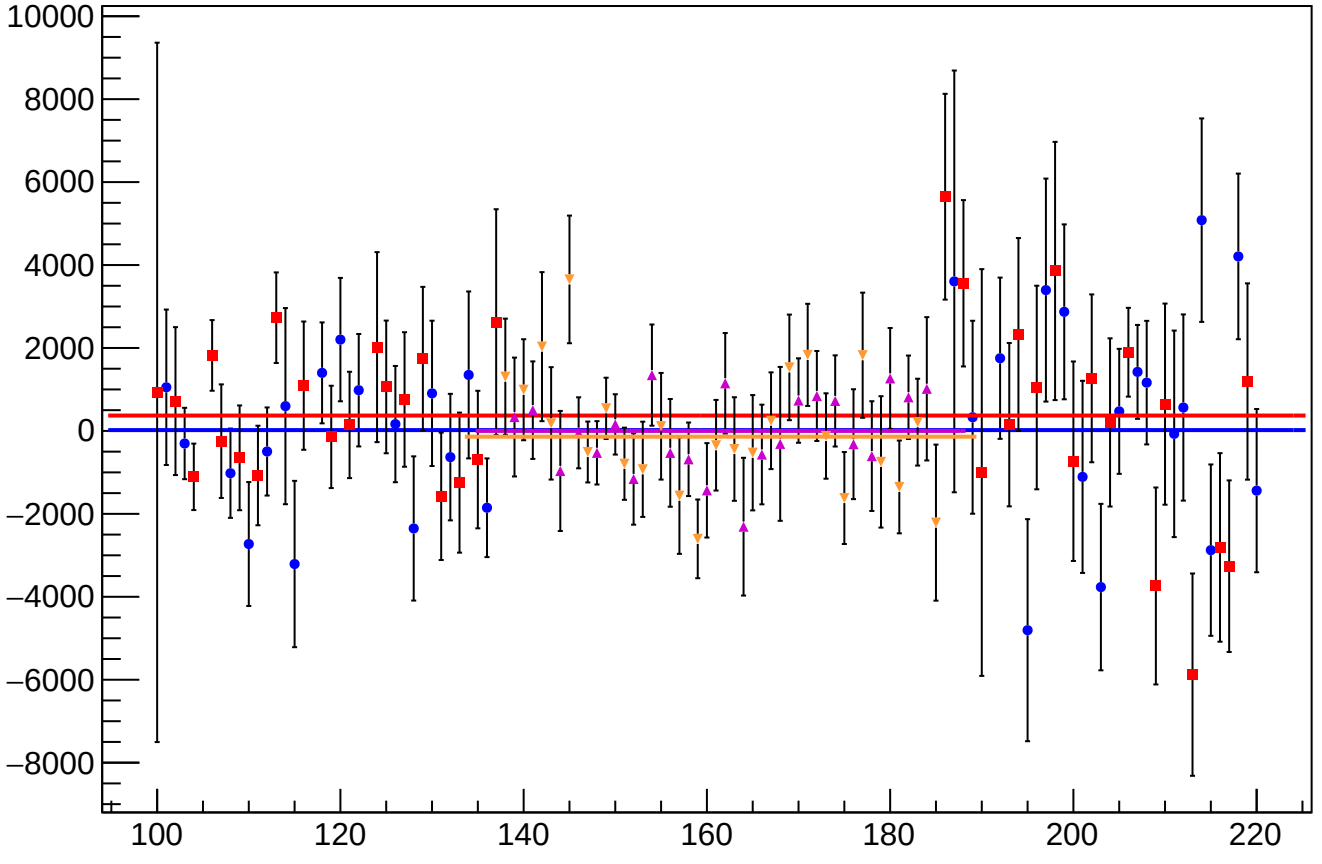
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.033+/-0.181 χ^2/NDF: 677347.5/57

All: 1625.097+/-0.129 χ^2/NDF: 833618.1/116

- sign 1626.184+/-0.183 χ^2/NDF: 156200.9/58

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: 19.563+/-279.037 χ^2/NDF: 42.0/32

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 370.407+/-267.006 χ^2/NDF: 45.1/35

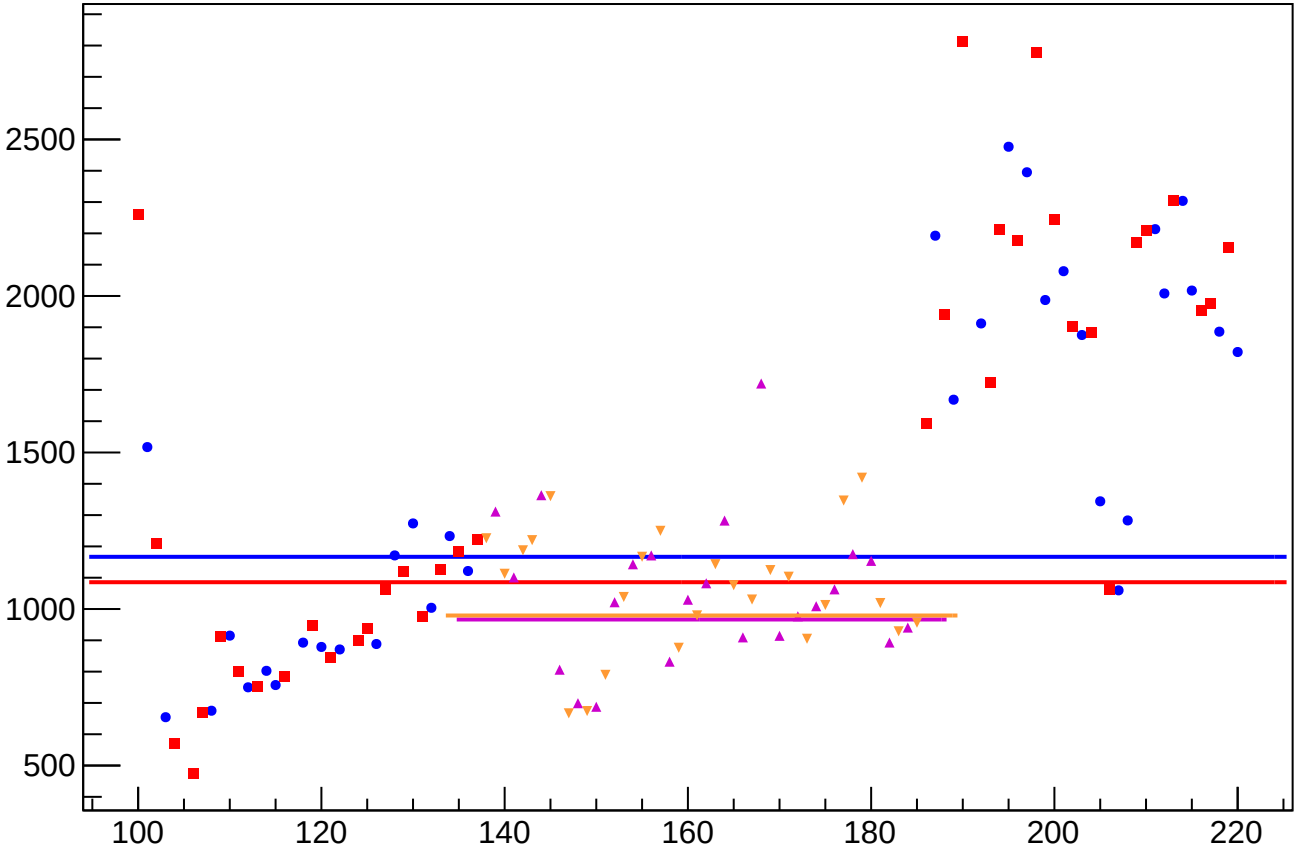
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

\+ sign -75.156+/-177.078 χ^2/NDF: 72.4/57

All: 43.410+/-124.502 χ^2/NDF: 132.3/116

\- sign 159.323+/-175.085 χ^2/NDF: 59.1/58

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1166.750+/-0.197 χ^2/NDF: 6245106.7/32

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 1085.633+/-0.189 χ^2/NDF: 8529560.3/35

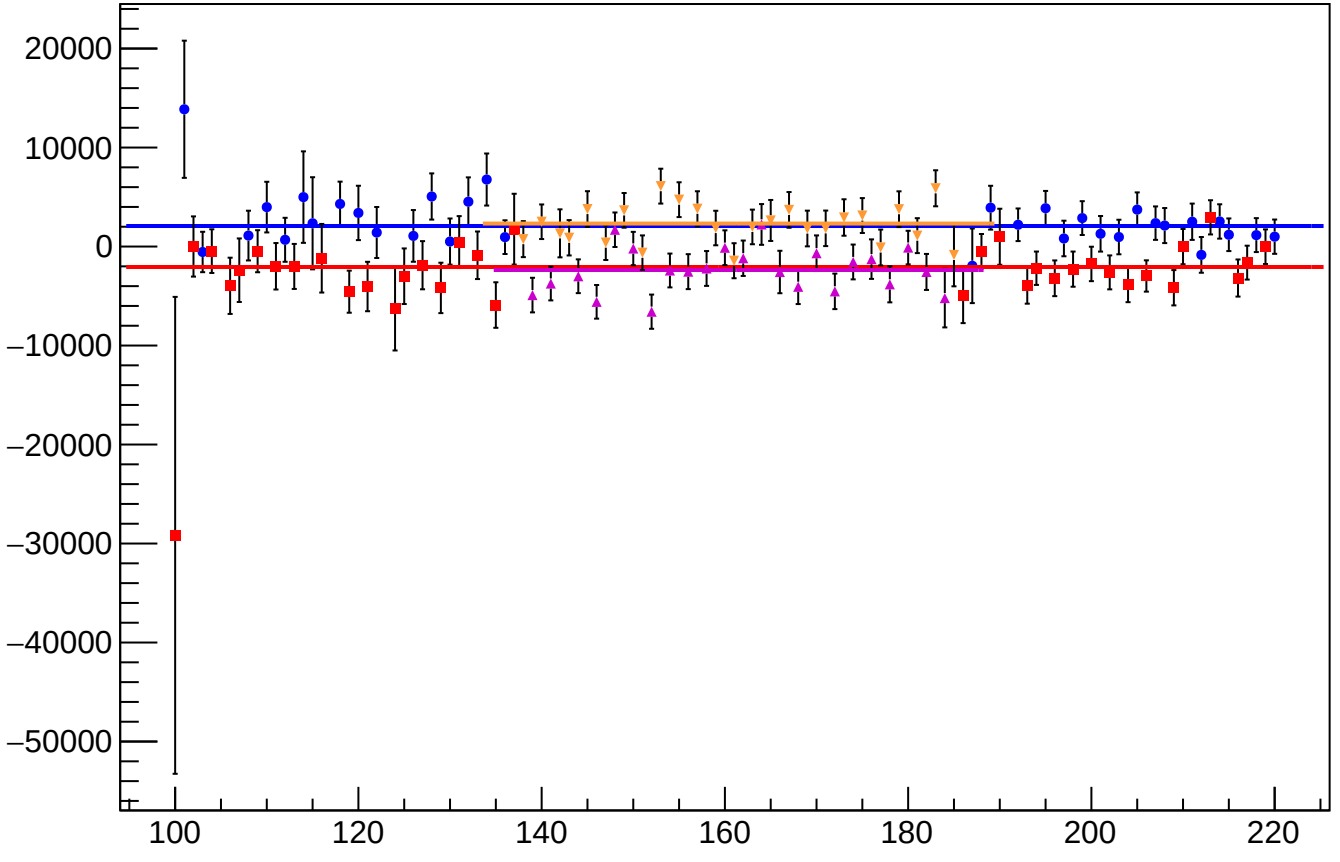
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 1054.787+/-0.125 χ^2/NDF: 8414845.6/57

All: 1036.054+/-0.088 χ^2/NDF: 18818119.3/1

- sign 1017.740+/-0.124 χ^2/NDF: 10359009.5/58

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2074.066+/-359.021 χ^2/NDF: 23.0/32

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2066.264+/-356.787 χ^2/NDF: 31.2/35

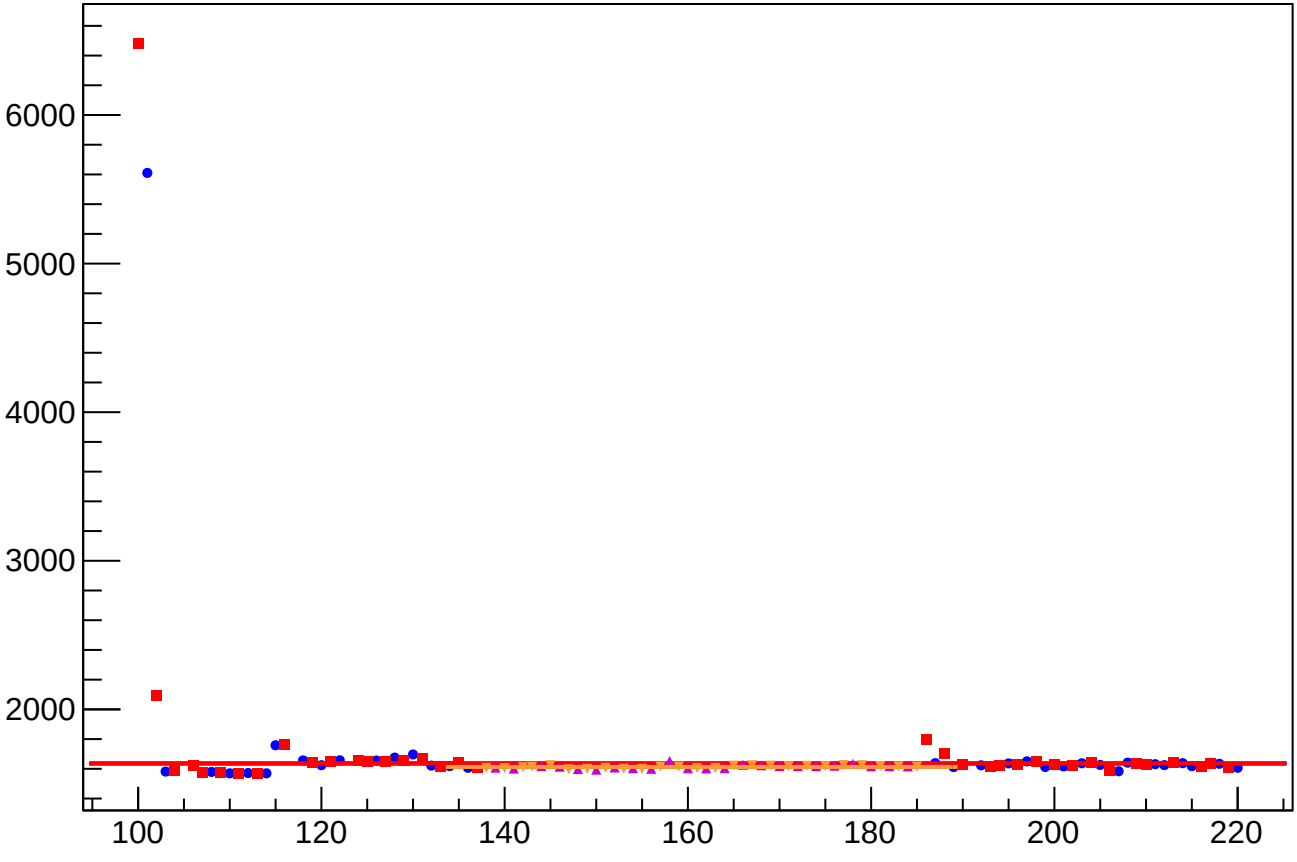
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2195.067+/-256.401 χ^2/NDF: 50.8/57

All: 15.264+/-182.240 χ^2/NDF: 262.1/116

- sign -2210.184+/-259.072 χ^2/NDF: 65.3/58

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1635.008+/-0.254 χ^2/NDF: 672359.6/32

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1637.731+/-0.252 χ^2/NDF: 149322.3/35

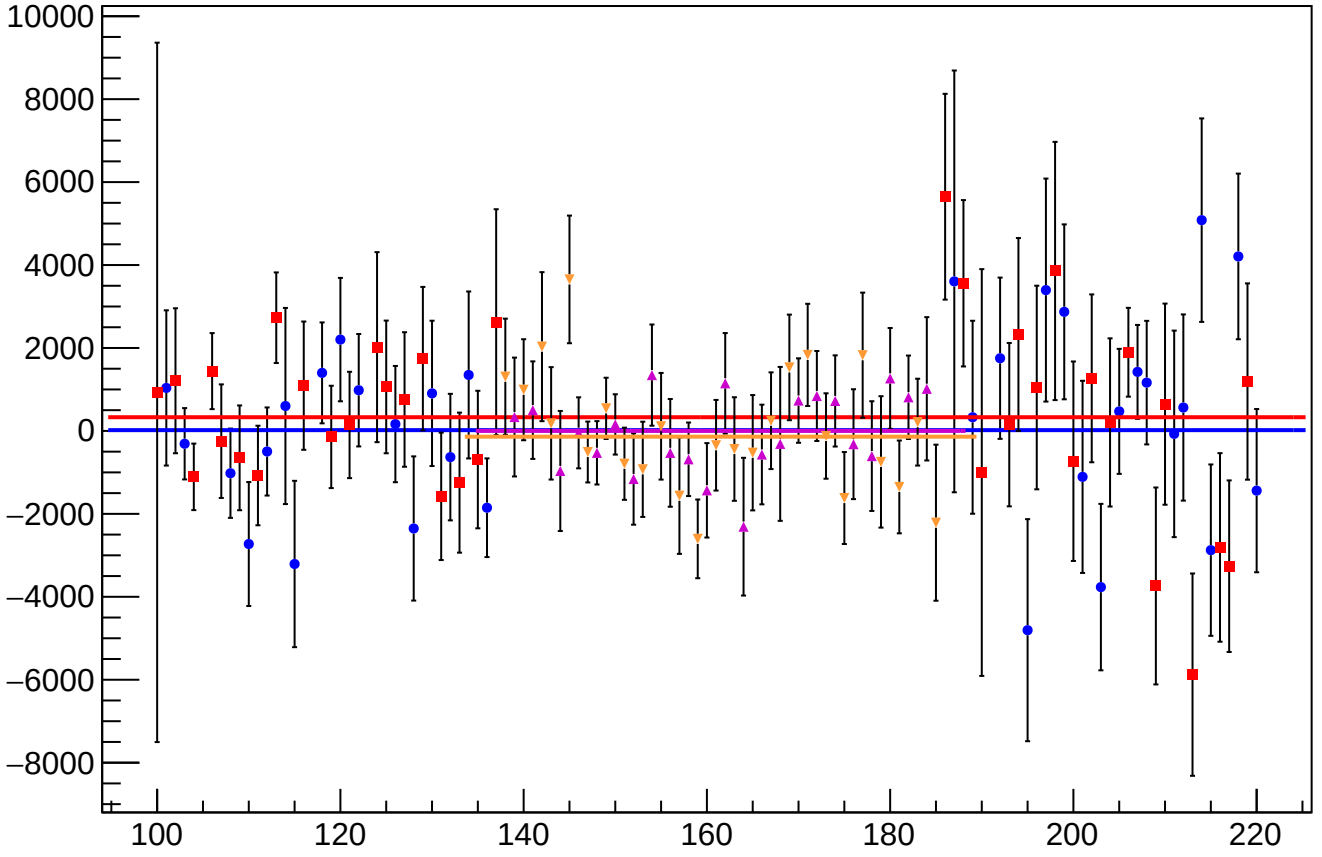
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.033+/-0.181 χ^2/NDF: 677347.1/57

All: 1625.211+/-0.129 χ^2/NDF: 833365.2/116

- sign 1626.414+/-0.183 χ^2/NDF: 155932.8/58

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: 18.632+/-279.012 χ^2/NDF: 42.0/32

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

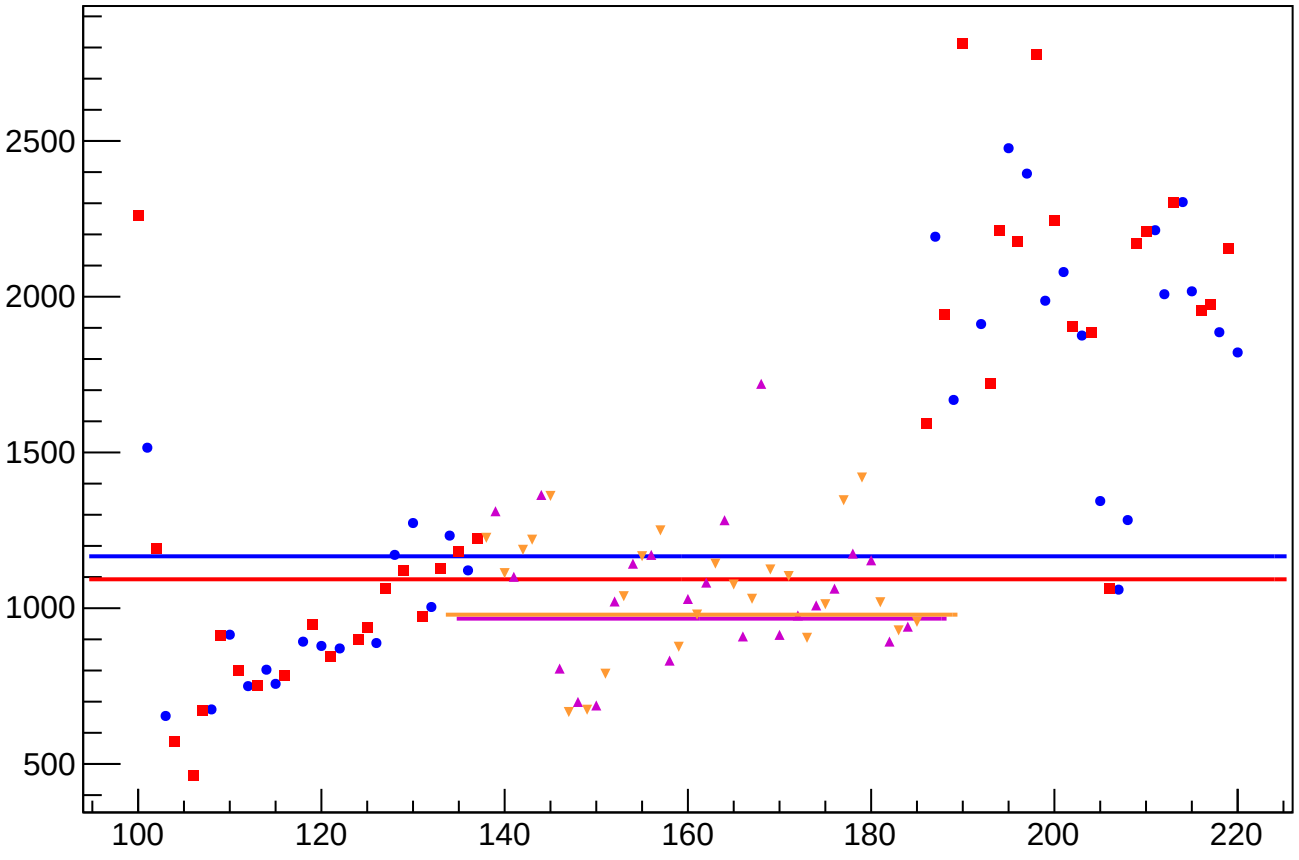
Right Out: 330.347+/-268.721 χ^2/NDF: 43.7/35

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

+ sign -75.556+/-177.071 χ^2/NDF: 72.4/57

All: 33.671+/-124.673 χ^2/NDF: 130.6/116

- sign 141.049+/-175.566 χ^2/NDF: 57.5/58



Right In: 1166.636+/-0.197 χ^2/NDF: 6246172.7/32

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1092.820+/-0.190 χ^2/NDF: 8414914.2/35

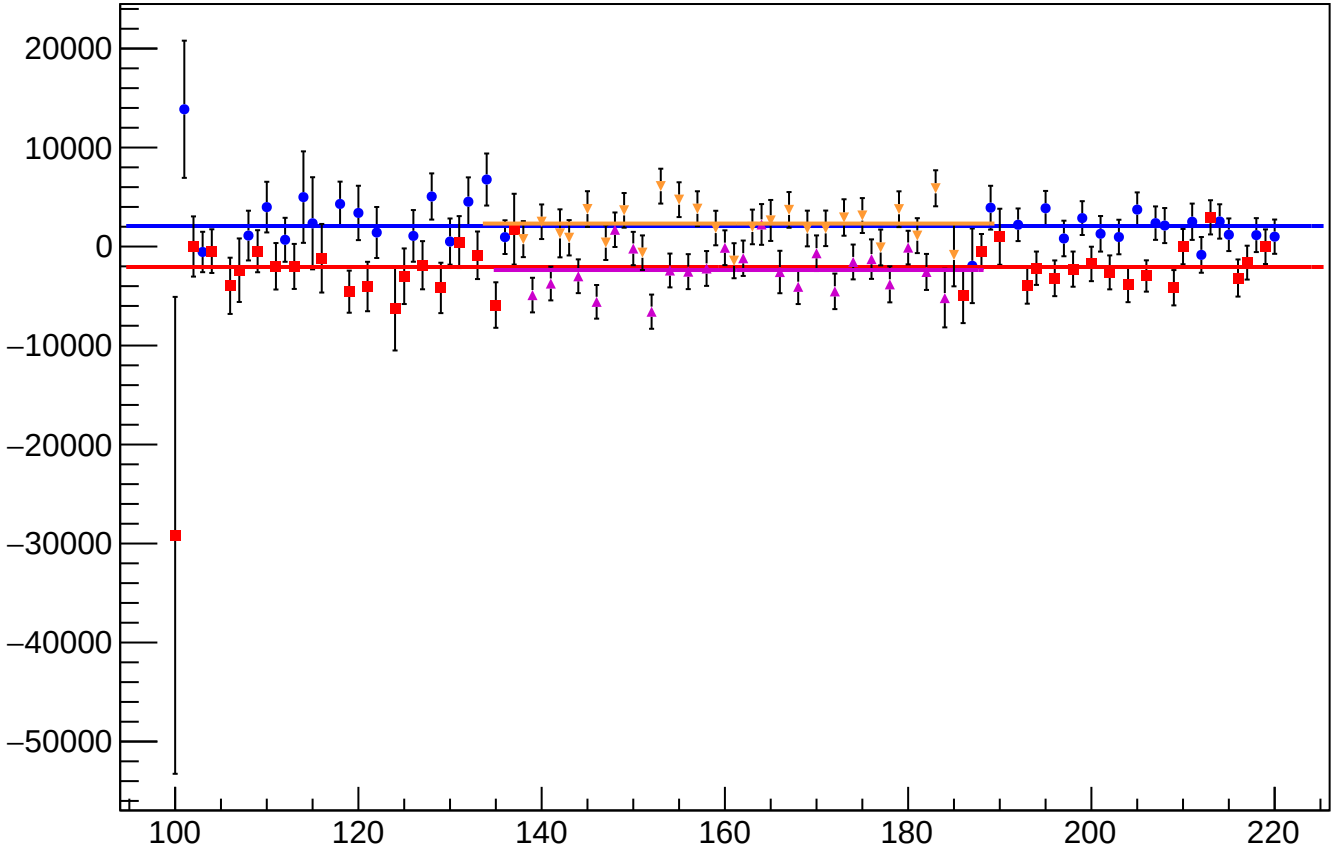
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1054.744+/-0.125 χ^2/NDF: 8415455.4/57

All: 1037.445+/-0.088 χ^2/NDF: 18723963.5/1

- sign 1020.438+/-0.124 χ^2/NDF: 10270651.4/58

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2074.066+/-359.021 χ^2/NDF: 23.0/32

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2066.264+/-356.787 χ^2/NDF: 31.2/35

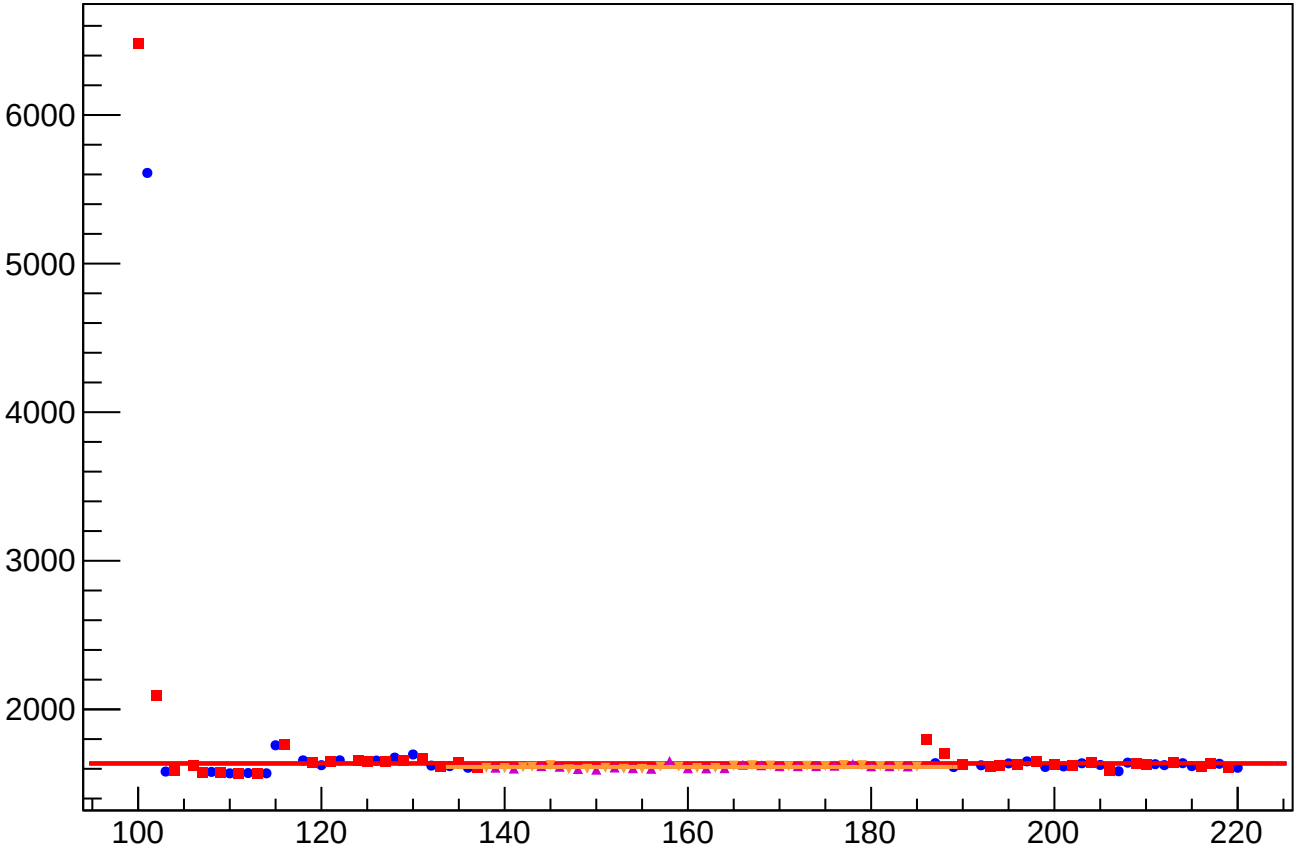
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2195.067+/-256.401 χ^2/NDF: 50.8/57

All: 15.264+/-182.240 χ^2/NDF: 262.1/116

- sign -2210.184+/-259.072 χ^2/NDF: 65.3/58

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1635.008+/-0.254 χ^2/NDF: 672359.6/32

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1637.731+/-0.252 χ^2/NDF: 149322.3/35

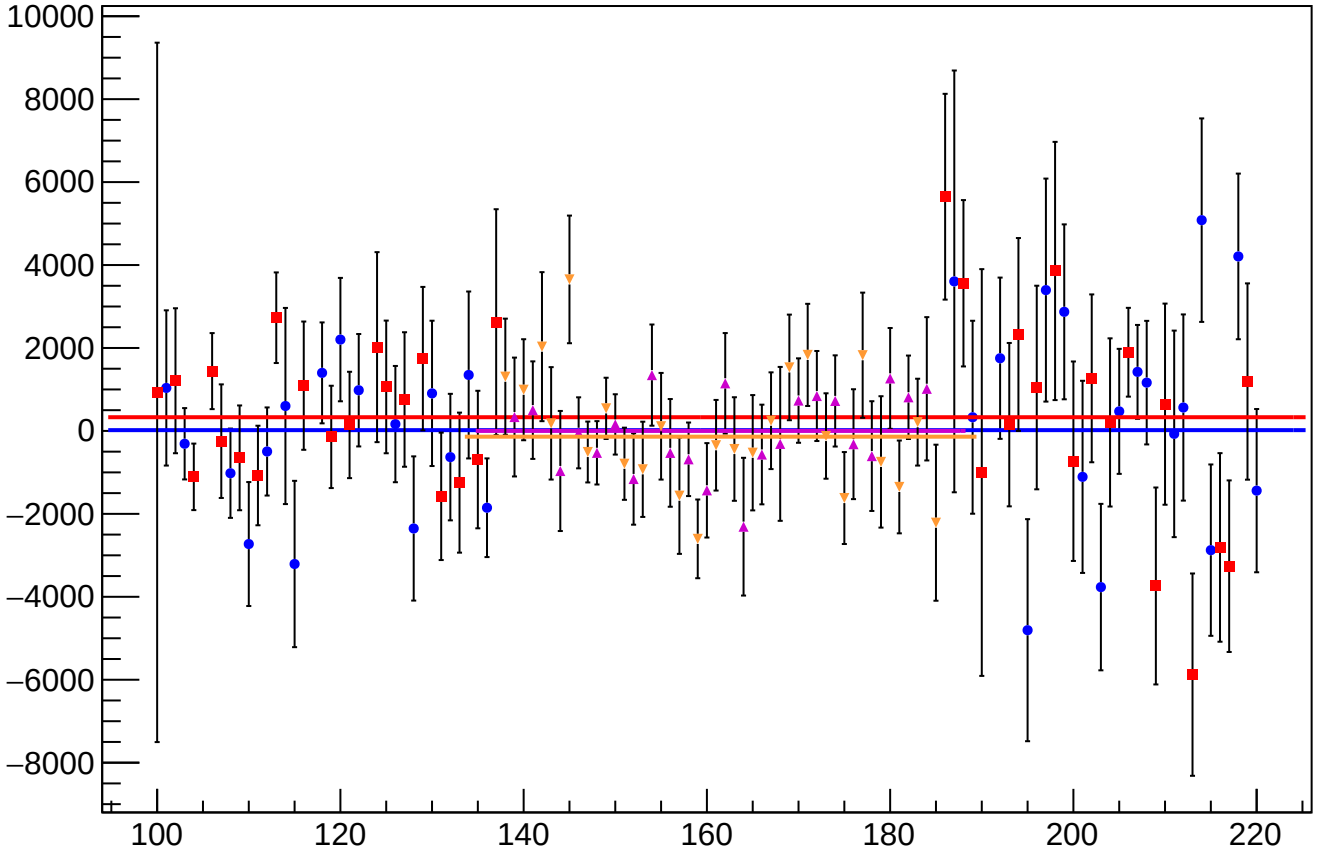
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.033+/-0.181 χ^2/NDF: 677347.1/57

All: 1625.211+/-0.129 χ^2/NDF: 833365.2/116

- sign 1626.414+/-0.183 χ^2/NDF: 155932.8/58

asym_usr_atr1_avg_eigen_cor_correction_mean vs Slug



Right In: 18.632+/-279.012 χ^2/NDF: 42.0/32

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

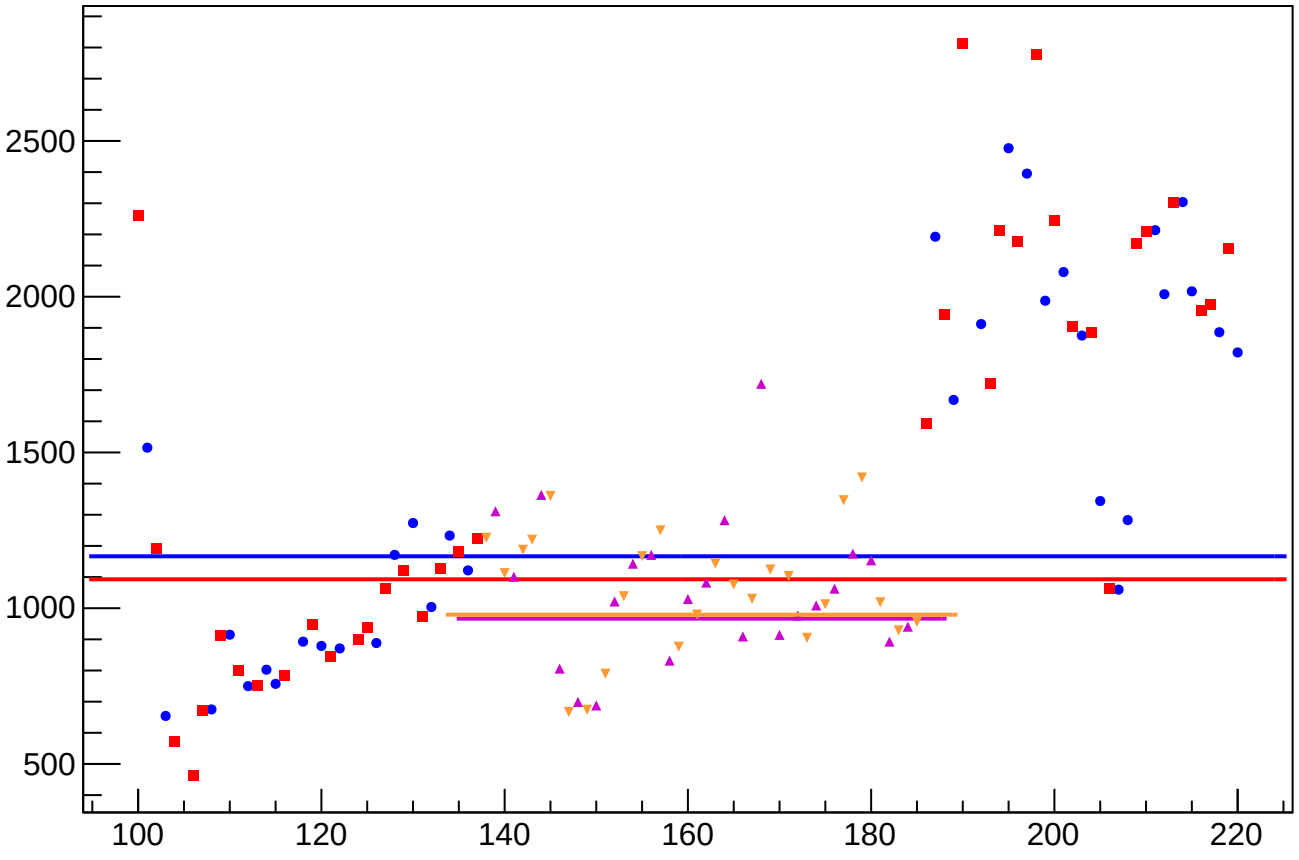
Right Out: 330.347+/-268.721 χ^2/NDF: 43.7/35

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -75.556+/-177.071 χ^2/NDF: 72.4/57

All: 33.671+/-124.673 χ^2/NDF: 130.6/116

\- sign 141.049+/-175.566 χ^2/NDF: 57.5/58



Right In: 1166.636+/-0.197 χ^2/NDF: 6246172.7/32

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

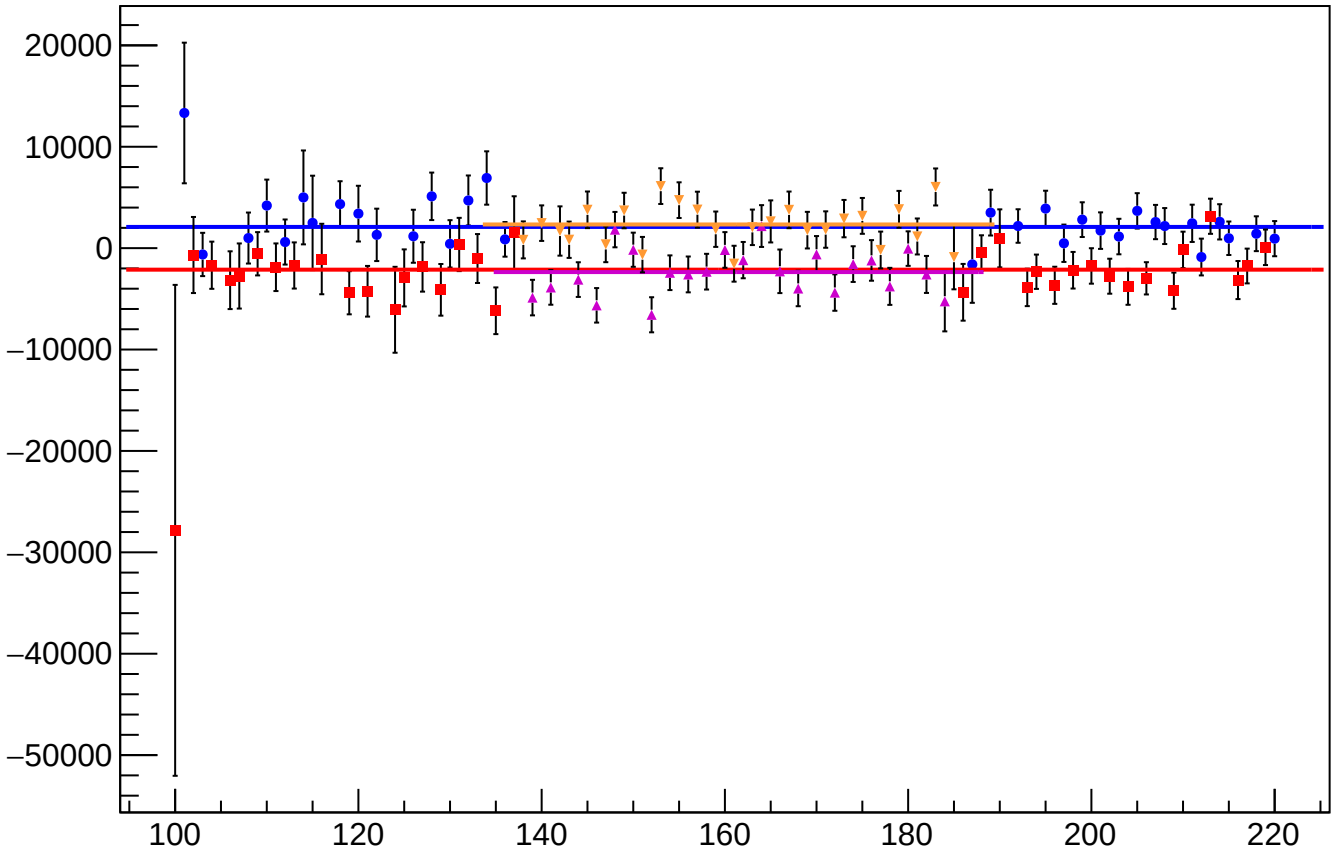
Right Out: 1092.820+/-0.190 χ^2/NDF: 8414914.2/35

Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1054.744+/-0.125 χ^2/NDF: 8415455.4/57

All: 1037.445+/-0.088 χ^2/NDF: 18723963.5/1

- sign 1020.438+/-0.124 χ^2/NDF: 10270651.4/58



Right In: 2092.432+/-360.898 χ^2/NDF: 23.0/32

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2122.403+/-359.576 χ^2/NDF: 30.2/35

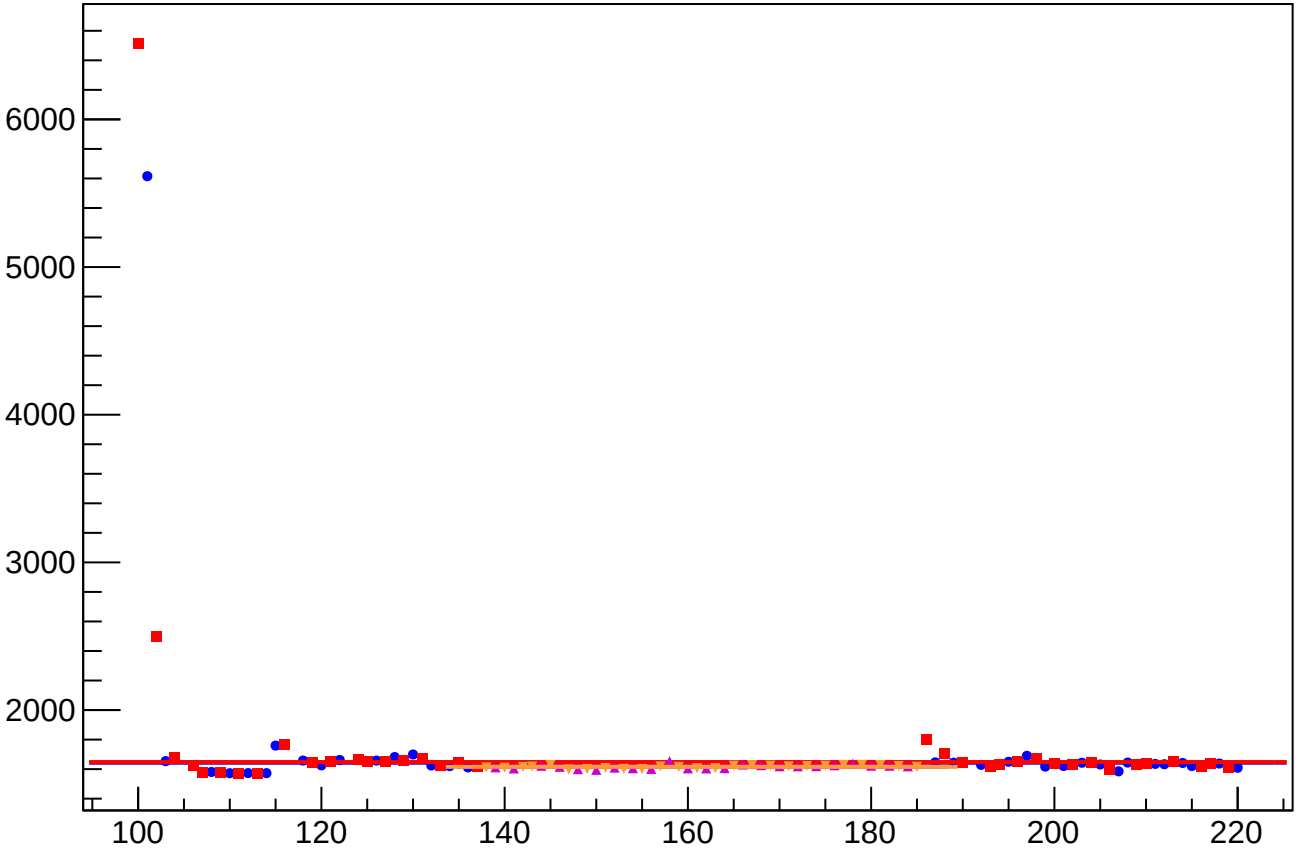
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2211.607+/-257.321 χ^2/NDF: 51.5/57

All: 13.874+/-183.009 χ^2/NDF: 263.6/116

- sign -2235.596+/-260.332 χ^2/NDF: 64.5/58

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1643.460+/-0.255 χ^2/NDF: 671521.0/32

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

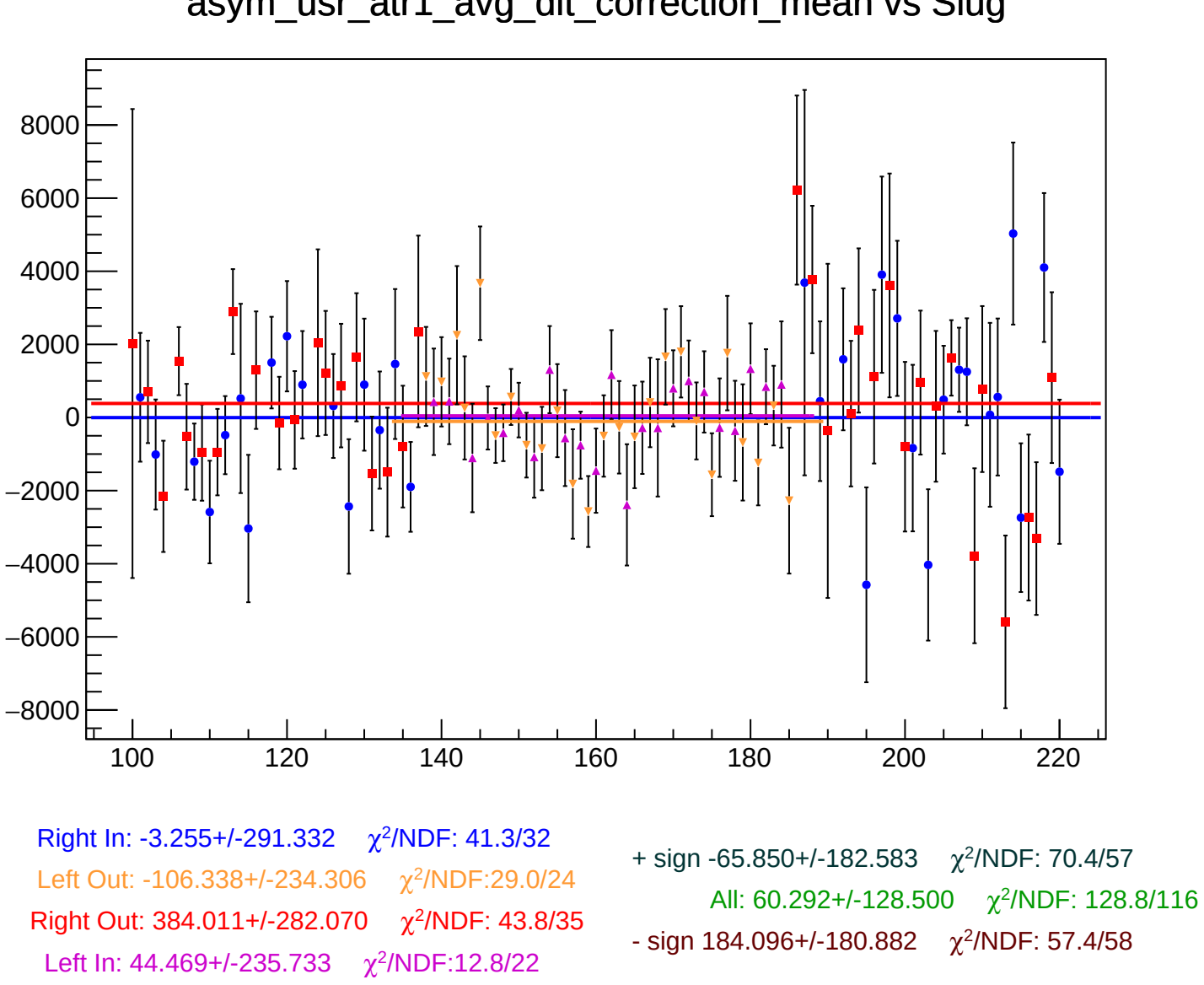
Right Out: 1647.901+/-0.254 χ^2/NDF: 207229.7/35

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

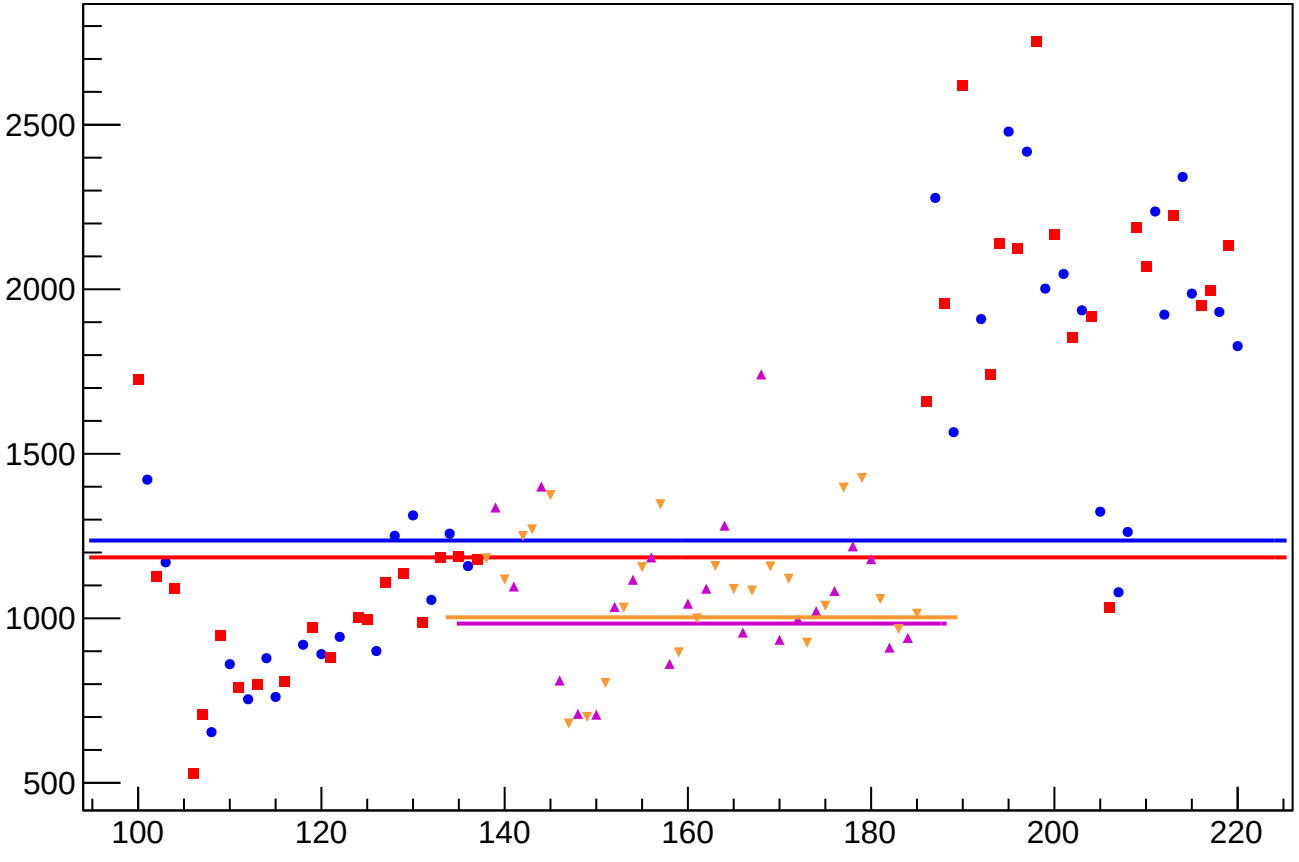
+ sign 1629.780+/-0.182 χ^2/NDF: 678813.9/57

All: 1631.318+/-0.129 χ^2/NDF: 896067.9/116

- sign 1632.893+/-0.184 χ^2/NDF: 217109.3/58


asym_usr_atr1_avg_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
100
120
140
160
180
200
220
Right In: -3.255+/-291.332 χ²/NDF: 41.3/32
Left Out: -106.338+/-234.306 χ²/NDF:29.0/24
Right Out: 384.011+/-282.070 χ²/NDF: 43.8/35
Left In: 44.469+/-235.733 χ²/NDF:12.8/22
+ sign -65.850+/-182.583 χ²/NDF: 70.4/57
All: 60.292+/-128.500 χ²/NDF: 128.8/116
- sign 184.096+/-180.882 χ²/NDF: 57.4/58

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1236.505+/-0.206 χ^2/NDF: 5382845.6/32

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

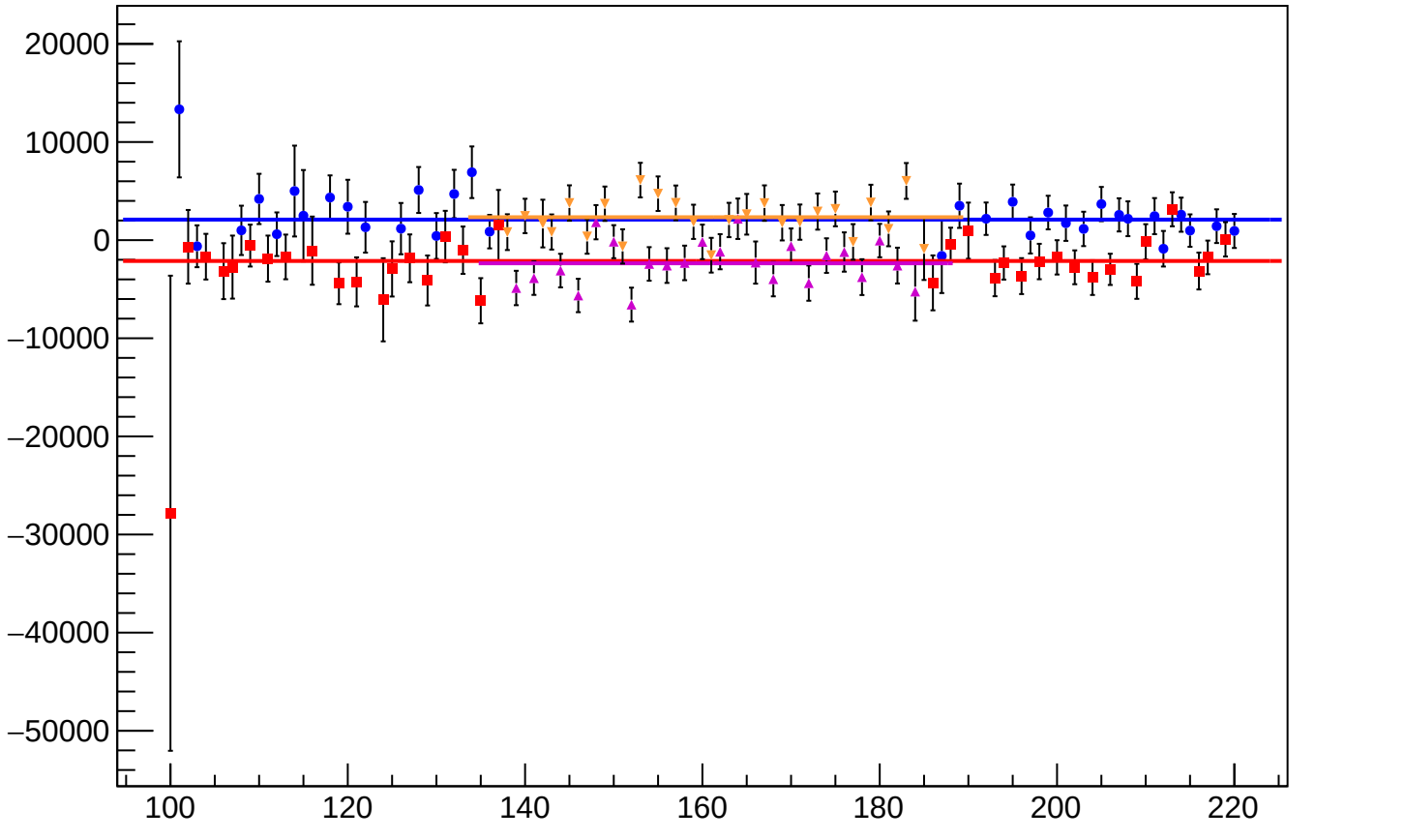
Right Out: 1185.224+/-0.199 χ^2/NDF: 6789312.0/35

Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1094.775+/-0.129 χ^2/NDF: 7760767.8/57

All: 1080.646+/-0.091 χ^2/NDF: 16732327.9/1

- sign 1066.779+/-0.128 χ^2/NDF: 8947828.5/58



Right In: 2092.433+/-360.898 χ^2/NDF: 23.0/32

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2122.403+/-359.576 χ^2/NDF: 30.2/35

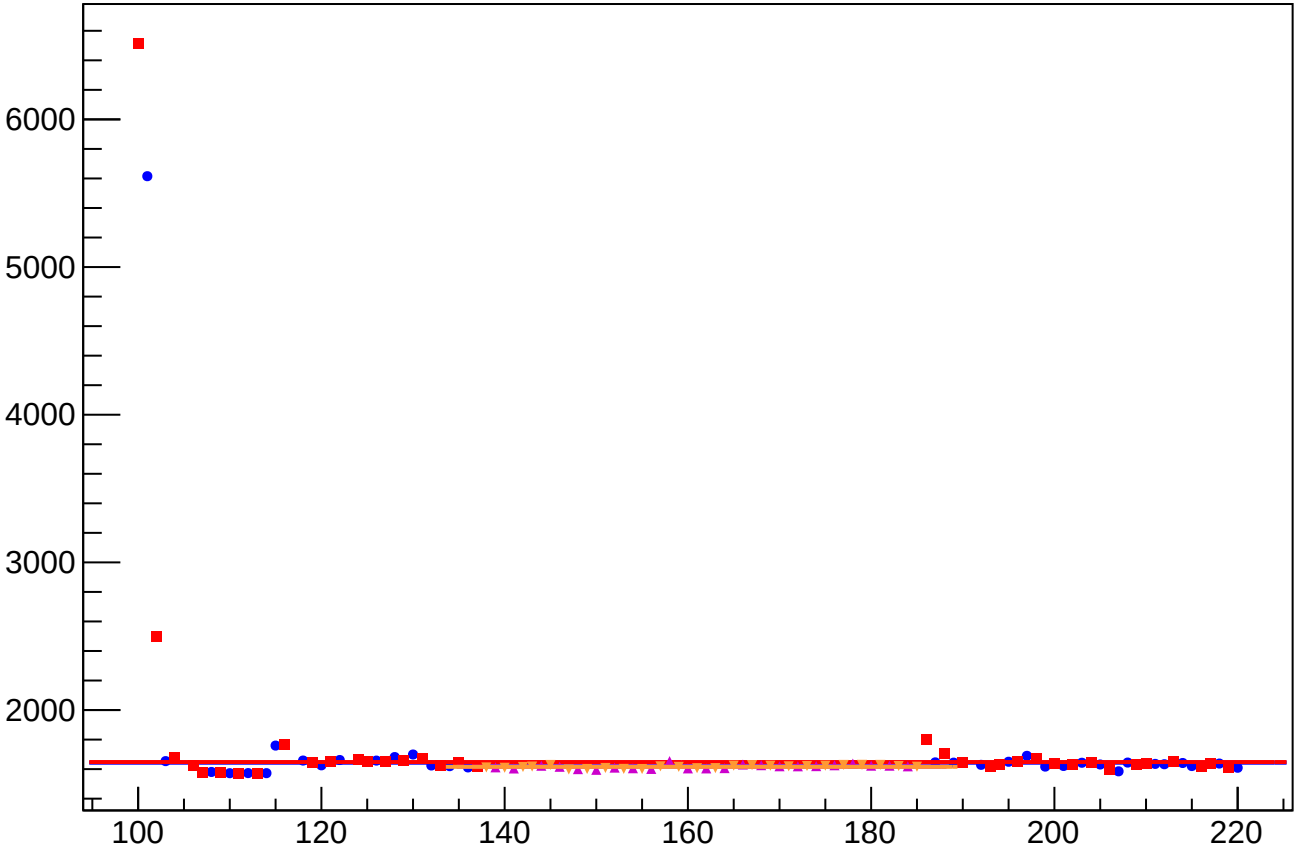
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2211.607+/-257.321 χ^2/NDF: 51.5/57

All: 13.874+/-183.008 χ^2/NDF: 263.6/116

- sign -2235.596+/-260.332 χ^2/NDF: 64.5/58

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1643.460+/-0.255 χ^2/NDF: 671521.0/32

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

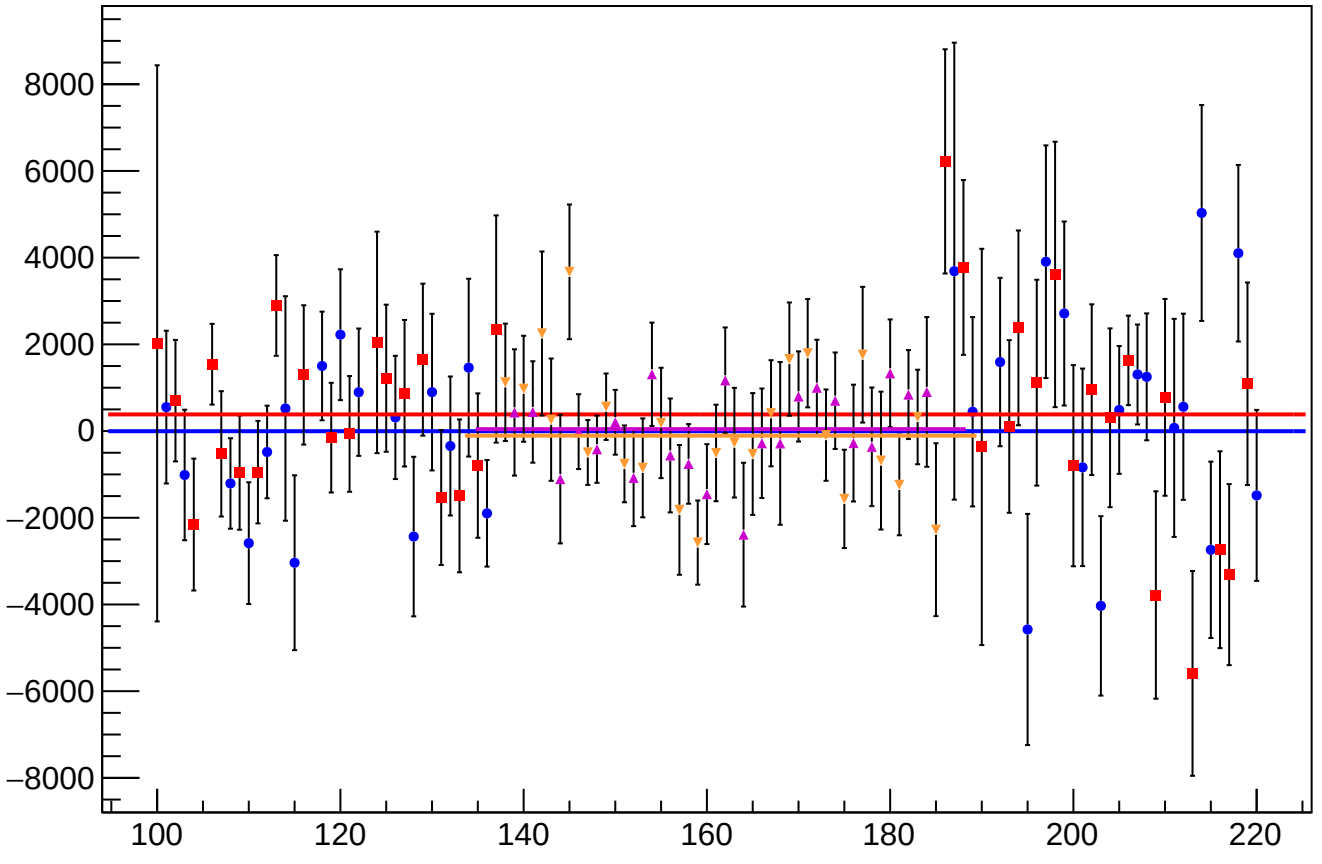
Right Out: 1647.900+/-0.254 χ^2/NDF: 207229.6/35

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1629.780+/-0.182 χ^2/NDF: 678813.9/57

All: 1631.318+/-0.129 χ^2/NDF: 896067.7/116

- sign 1632.893+/-0.184 χ^2/NDF: 217109.1/58



Right In: -3.256+/-291.332 χ^2/NDF: 41.3/32

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

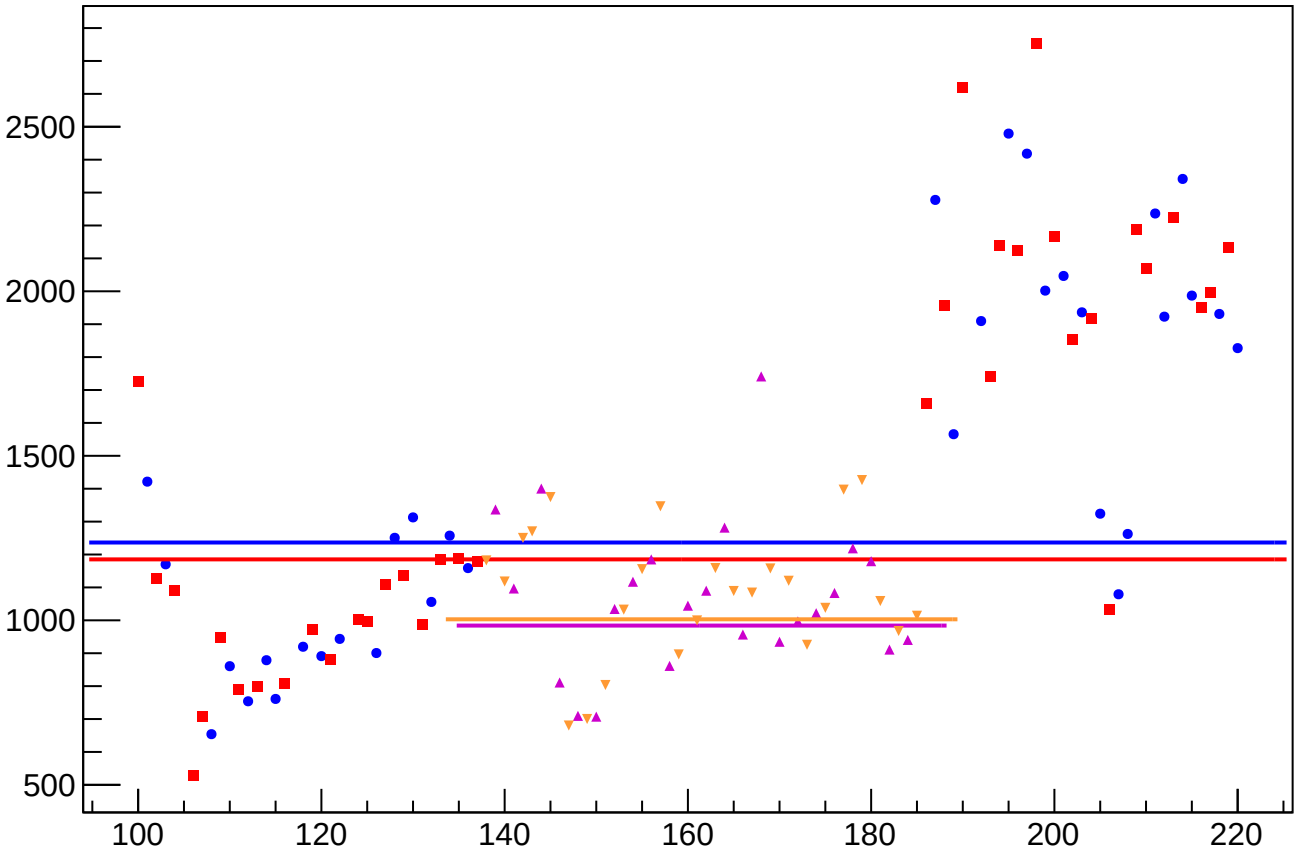
Right Out: 384.009+/-282.070 χ^2/NDF: 43.8/35

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -65.851+/-182.583 χ^2/NDF: 70.4/57

All: 60.292+/-128.500 χ^2/NDF: 128.8/116

- sign 184.096+/-180.882 χ^2/NDF: 57.4/58



Right In: 1236.502+/-0.206 χ^2/NDF: 5382911.4/32

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1185.221+/-0.199 χ^2/NDF: 6789358.9/35

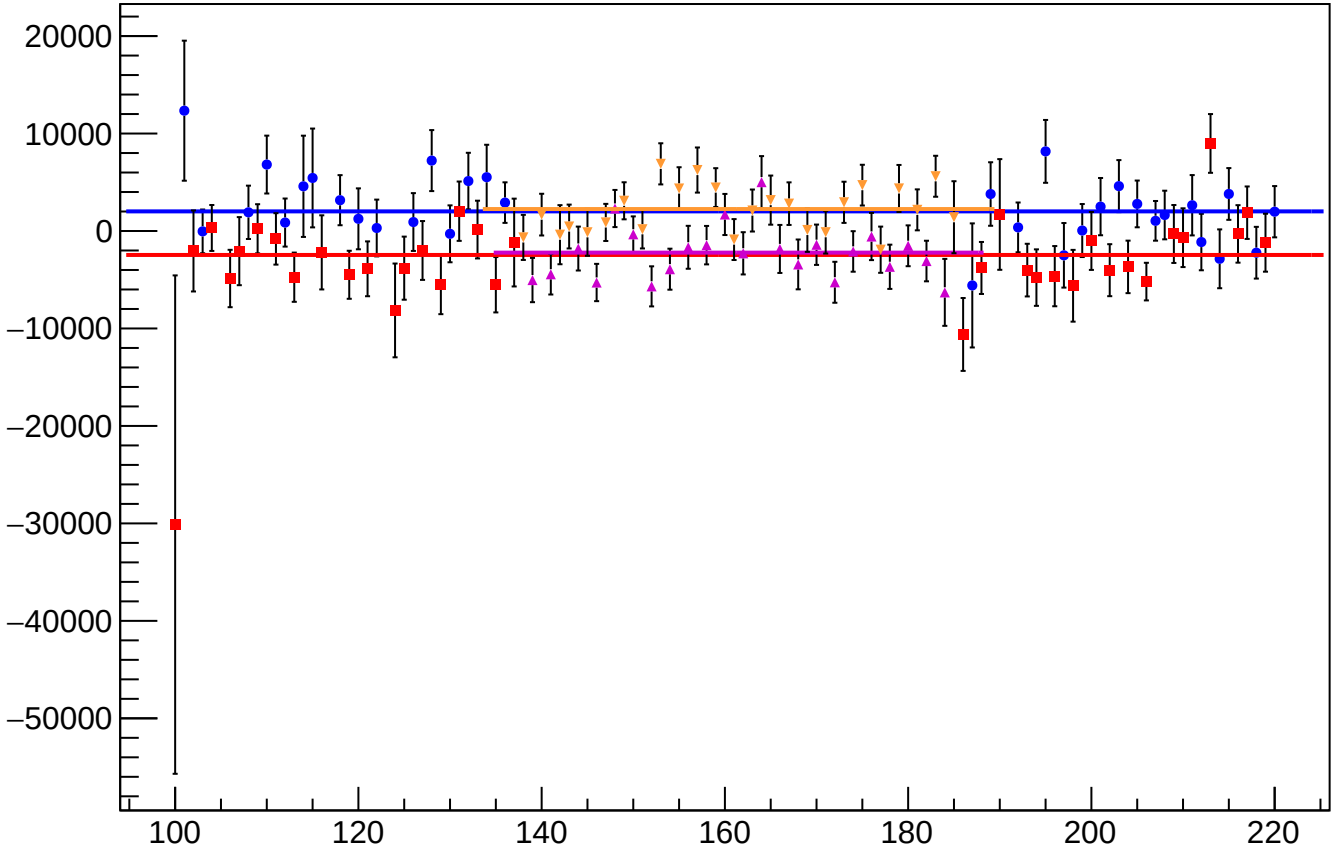
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1094.776+/-0.129 χ^2/NDF: 7760801.7/57

All: 1080.647+/-0.091 χ^2/NDF: 16732383.7/1

- sign 1066.780+/-0.128 χ^2/NDF: 8947850.3/58

asym_usr_atr1_avg_mean vs Slug



Right In: 2012.805+/-497.572 χ^2/NDF: 29.3/32

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -2458.234+/-497.444 χ^2/NDF: 42.4/35

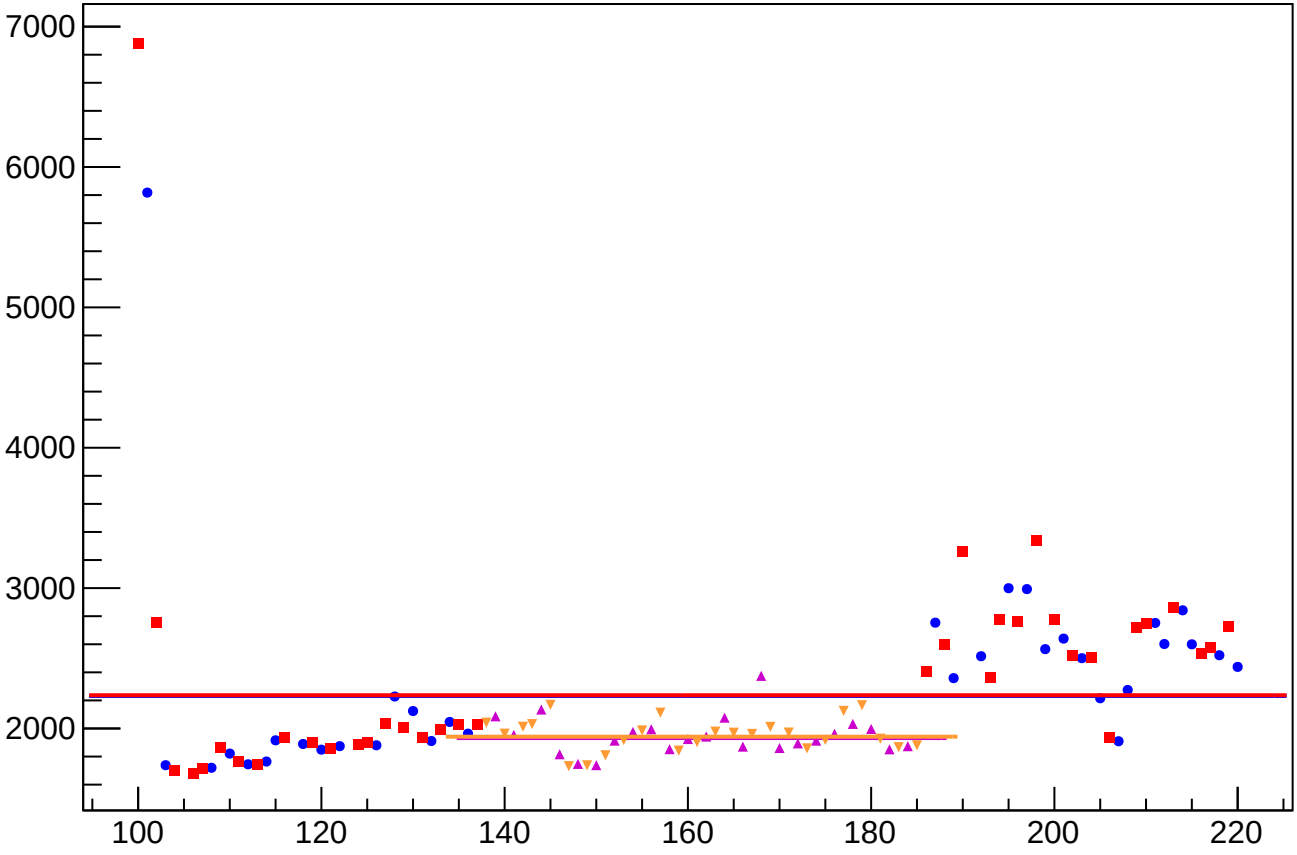
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2146.656+/-330.538 χ^2/NDF: 57.8/57

All: -62.805+/-235.164 χ^2/NDF: 222.3/116

- sign -2327.487+/-334.643 χ^2/NDF: 74.0/58

asym_usr_atr1_avg_rms vs Slug



Right In: 2231.887+/-0.352 χ^2/NDF: 1641182.4/32

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

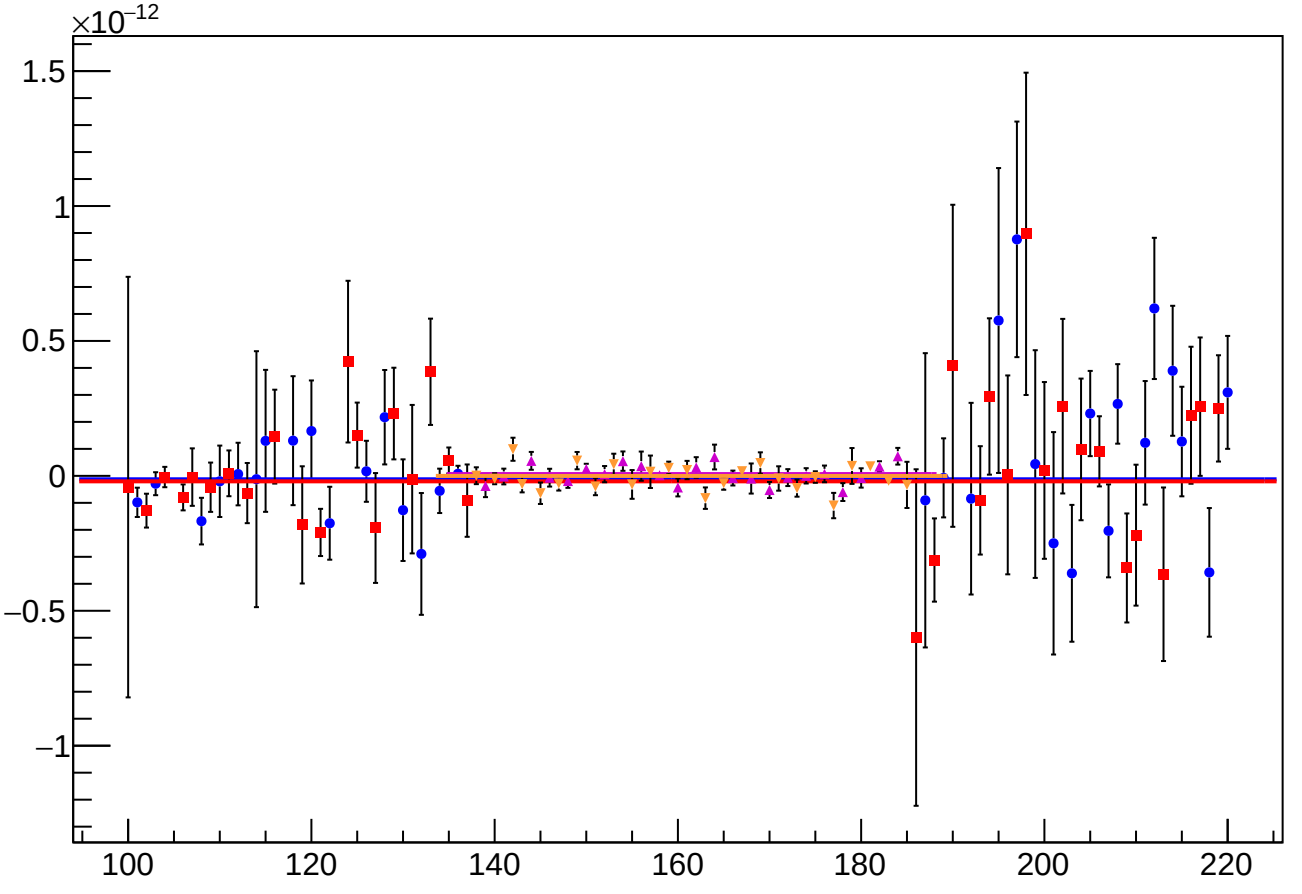
Right Out: 2236.861+/-0.352 χ^2/NDF: 1567210.4/35

Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 2069.693+/-0.234 χ^2/NDF: 2160562.9/57

All: 2069.778+/-0.166 χ^2/NDF: 4299384.5/11

- sign 2069.865+/-0.237 χ^2/NDF: 2138821.3/58



Right In: -0.000+/-0.000 χ^2/NDF: 42.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

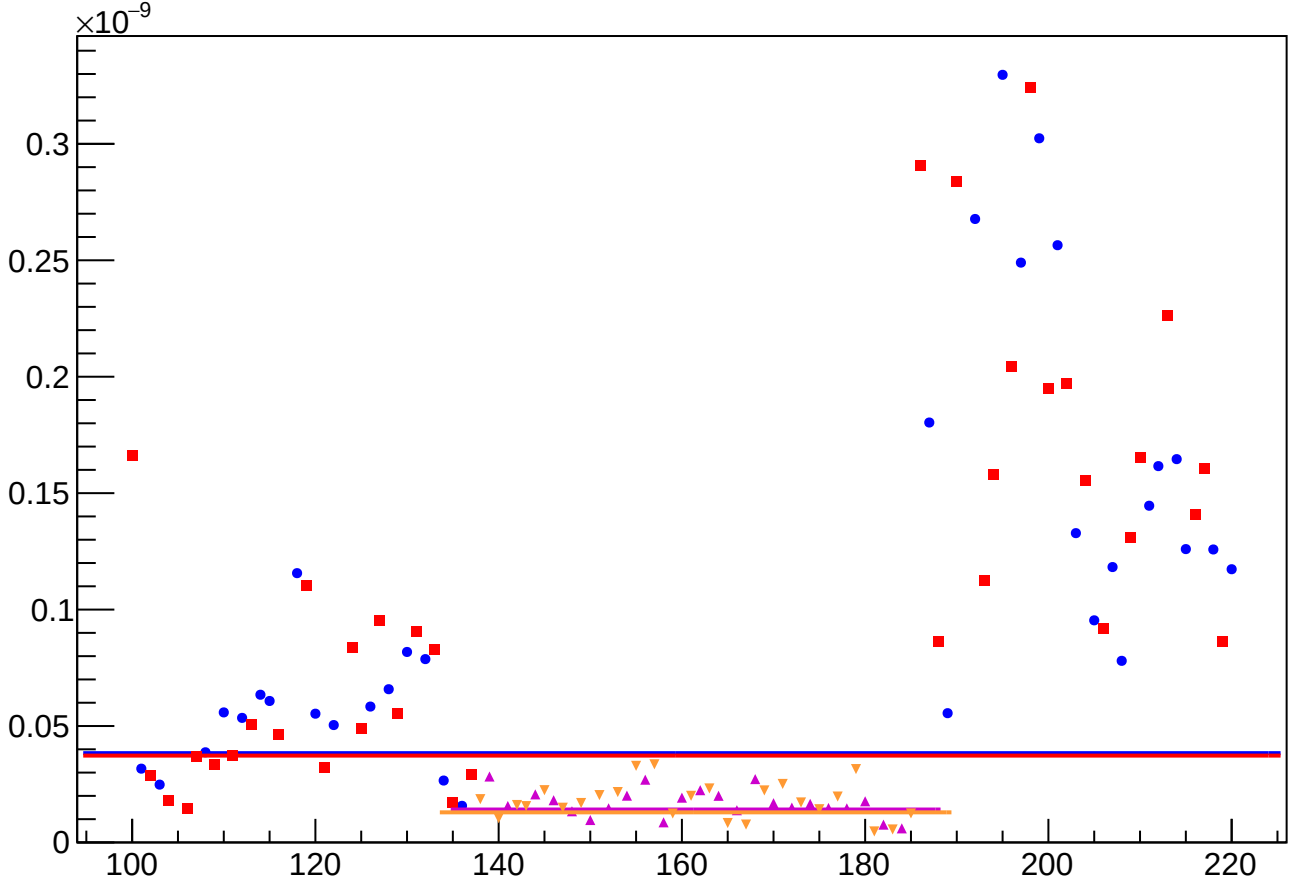
Right Out: -0.000+/-0.000 χ^2/NDF: 44.0/35

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.7/57

All: 0.000+/-0.000 χ^2/NDF: 156.6/116

- sign 0.000+/-0.000 χ^2/NDF: 73.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 8854895.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8720540.4/35

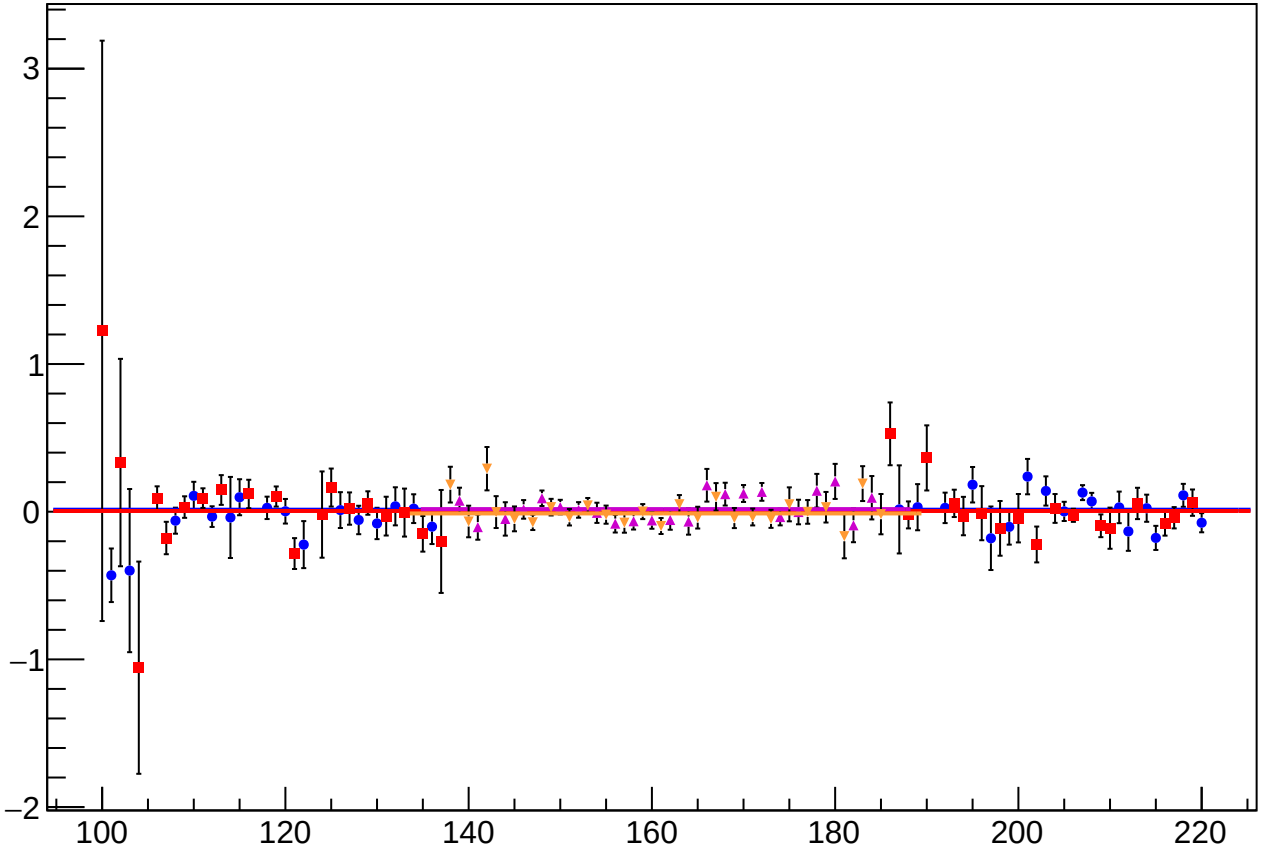
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15271334.0/57

All: 0.000+/-0.000 χ^2/NDF: 28420019.4/116

- sign 0.000+/-0.000 χ^2/NDF: 13100100.9/58

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.017 χ^2/NDF: 39.0/32

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.005+/-0.017 χ^2/NDF: 43.8/35

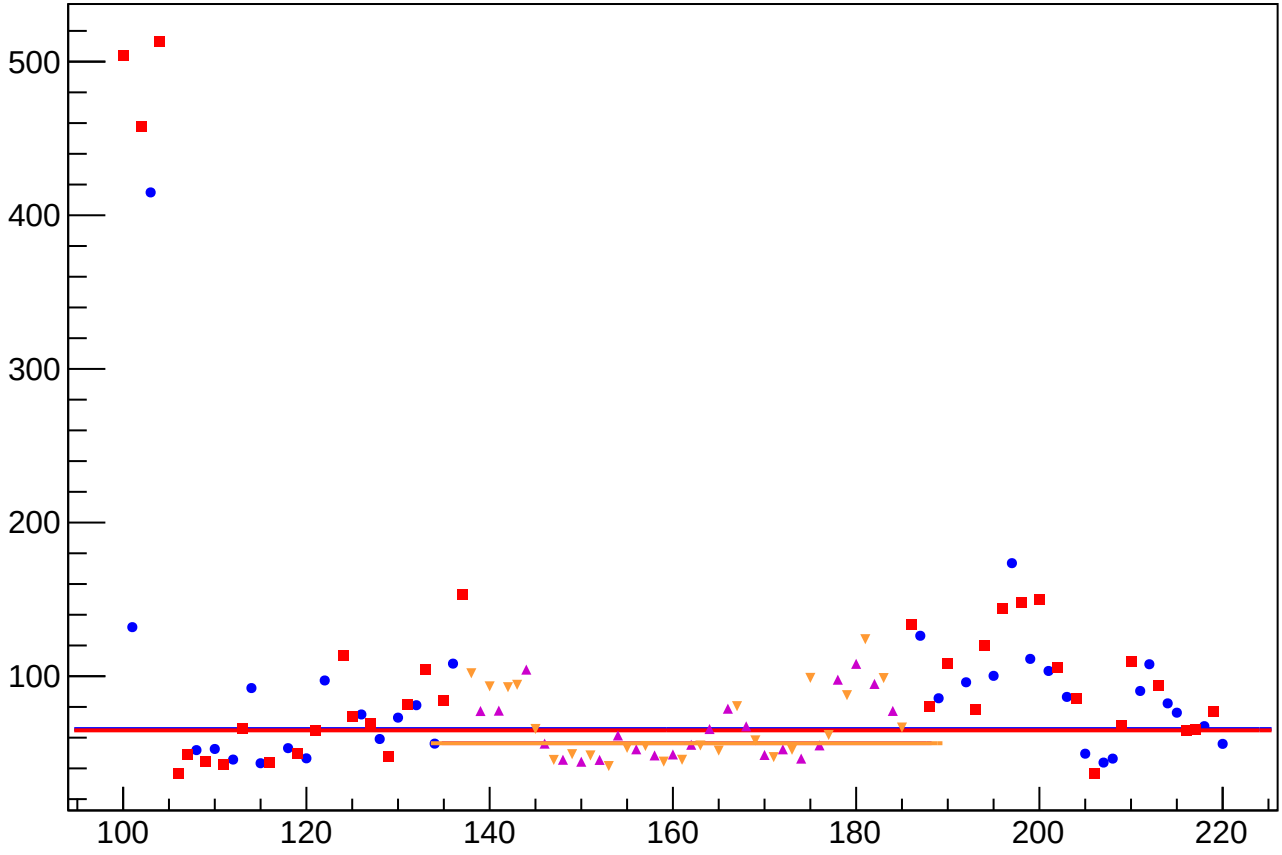
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.001+/-0.011 χ^2/NDF: 62.1/57

All: 0.005+/-0.008 χ^2/NDF: 137.6/116

- sign 0.012+/-0.011 χ^2/NDF: 74.8/58

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 65.577+/-0.012 χ^2/NDF: 4686685.1/32

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 64.771+/-0.012 χ^2/NDF: 6444803.1/35

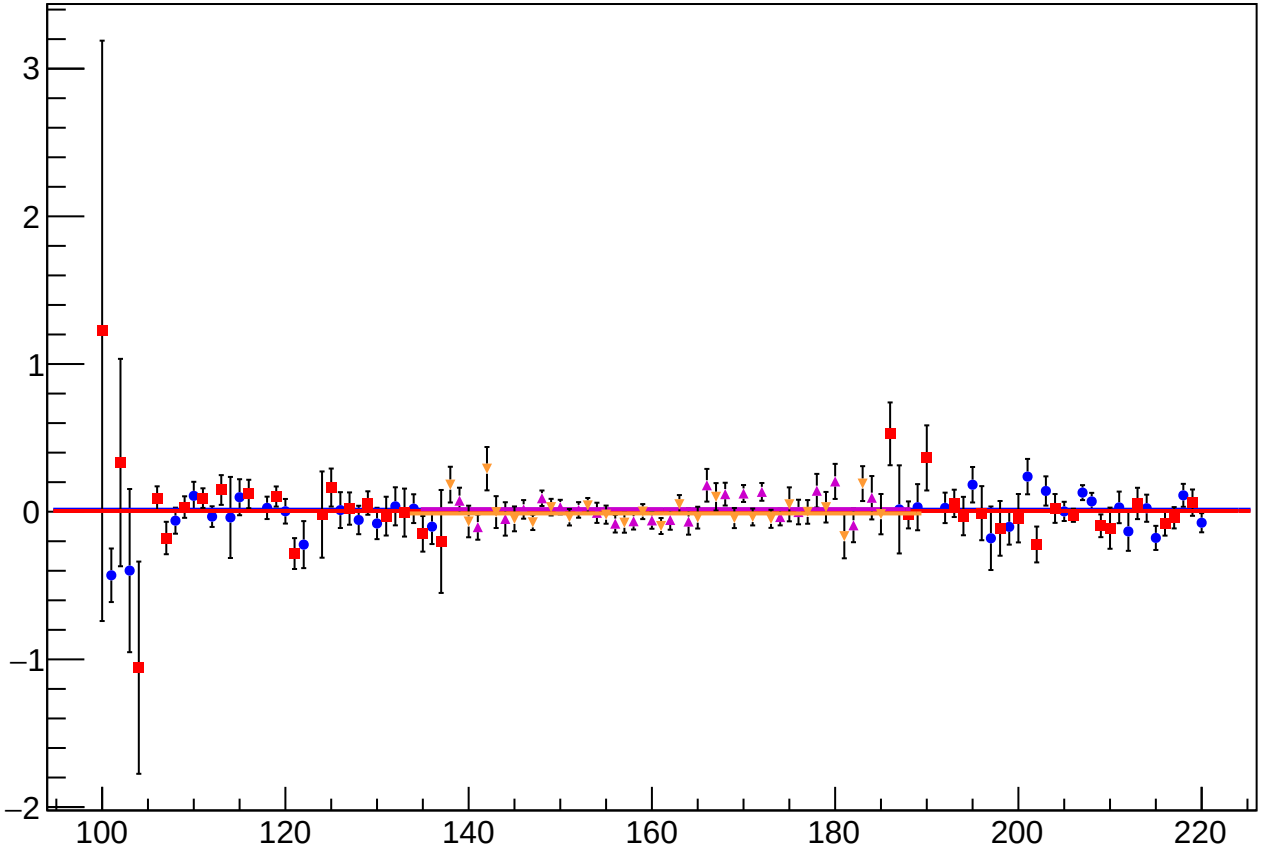
Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.305+/-0.008 χ^2/NDF: 7837078.4/57

All: 60.159+/-0.005 χ^2/NDF: 16703112.9/116

- sign 60.010+/-0.008 χ^2/NDF: 8865302.1/58

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014+/-0.017 χ^2/NDF: 39.0/32

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.005+/-0.017 χ^2/NDF: 43.8/35

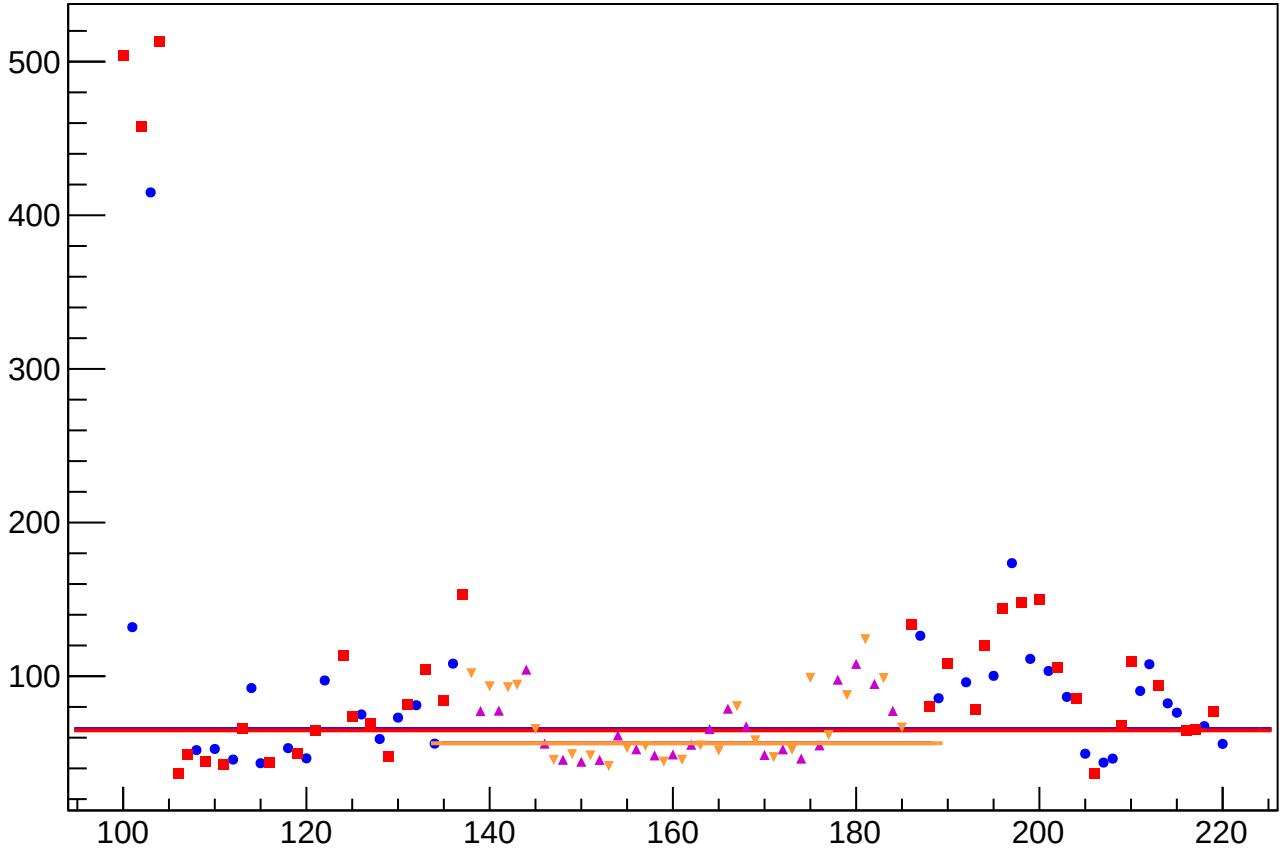
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.001+/-0.011 χ^2/NDF: 62.1/57

All: 0.005+/-0.008 χ^2/NDF: 137.6/116

- sign 0.012+/-0.011 χ^2/NDF: 74.8/58

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 65.577+/-0.012 χ^2/NDF: 4686685.1/32

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

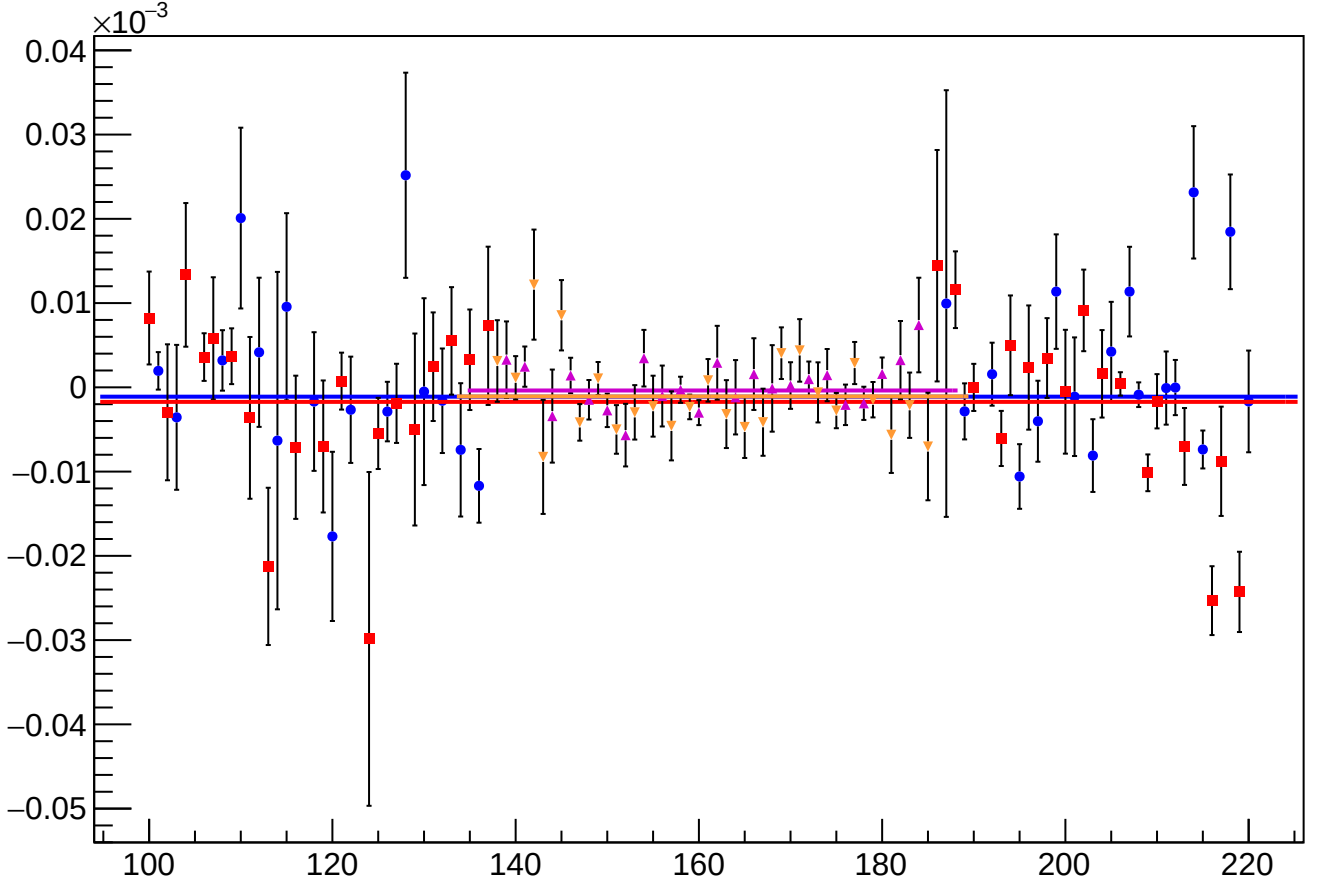
Right Out: 64.771+/-0.012 χ^2/NDF: 6444803.1/35

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.305+/-0.008 χ^2/NDF: 7837078.4/57

All: 60.159+/-0.005 χ^2/NDF: 16703112.9/116

- sign 60.010+/-0.008 χ^2/NDF: 8865302.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 68.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

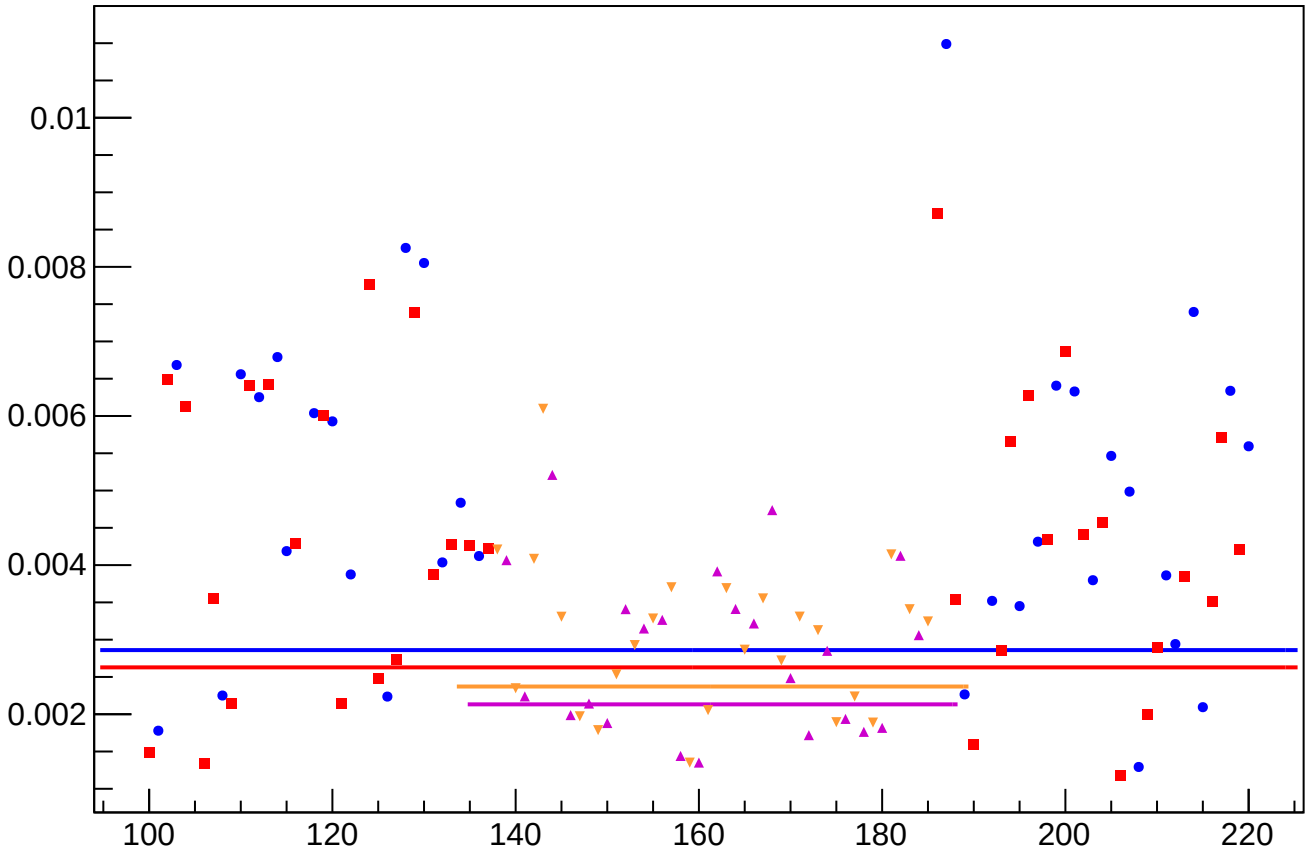
Right Out: -0.000+/-0.000 χ^2/NDF: 121.6/35

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 99.9/57

All: -0.000+/-0.000 χ^2/NDF: 241.5/116

- sign -0.000+/-0.000 χ^2/NDF: 141.5/58



Right In: 0.003+/-0.000 χ^2/NDF: 9979128.0/32

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9934460.8/35

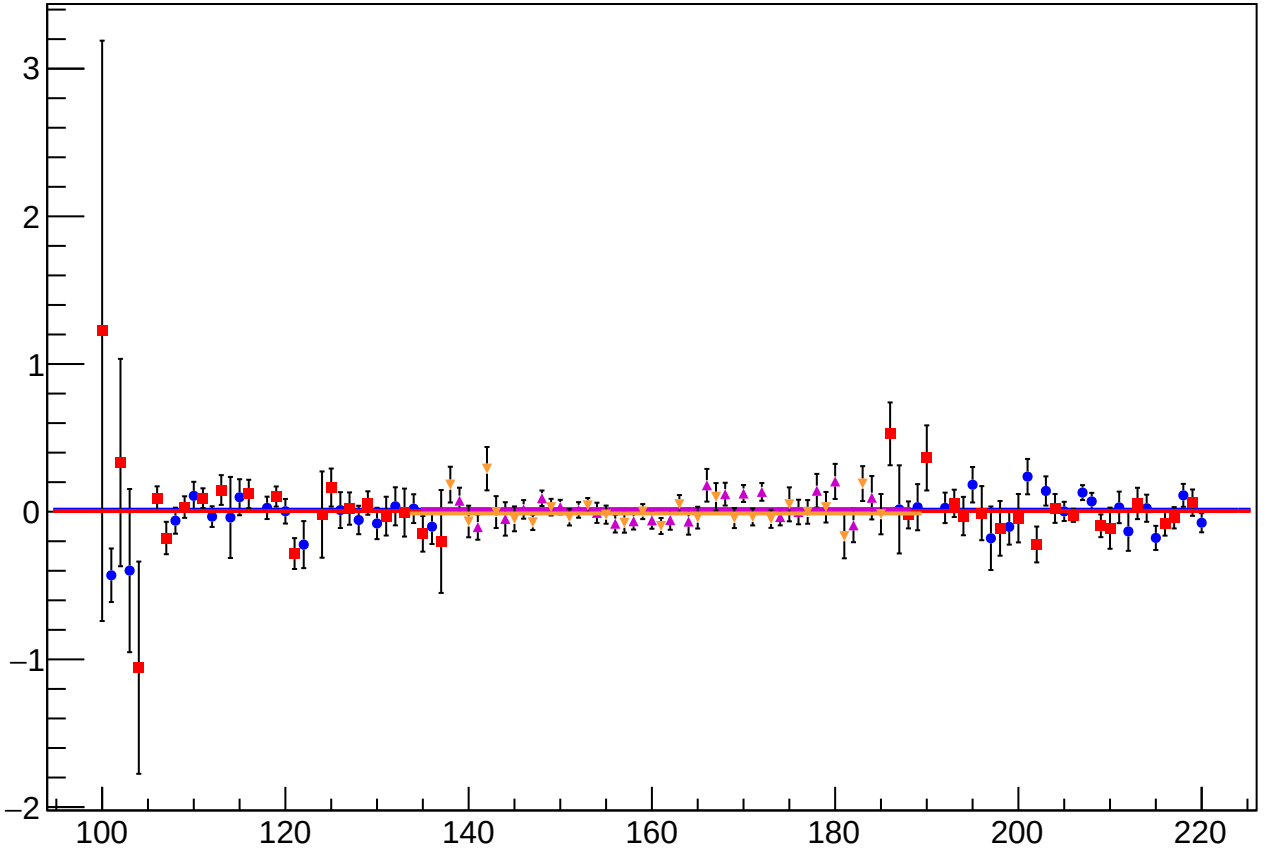
Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 14687957.7/57

All: 0.002+/-0.000 χ^2/NDF: 30088118.5/116

- sign 0.002+/-0.000 χ^2/NDF: 15099413.2/58

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.017 χ^2/NDF: 39.0/32

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.005+/-0.017 χ^2/NDF: 43.8/35

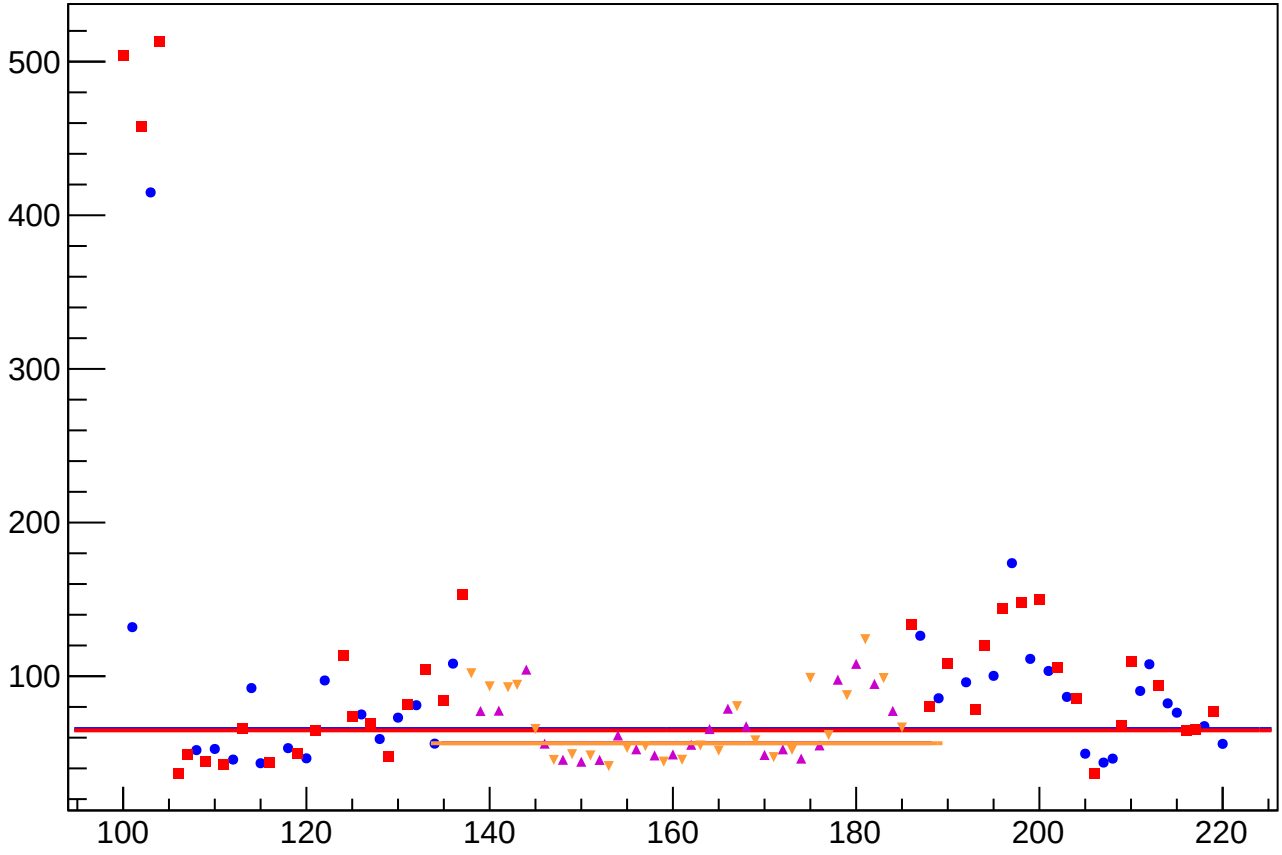
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.001+/-0.011 χ^2/NDF: 62.1/57

All: 0.005+/-0.008 χ^2/NDF: 137.6/116

- sign 0.012+/-0.011 χ^2/NDF: 74.8/58

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 65.577+/-0.012 χ^2/NDF: 4686646.9/32

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

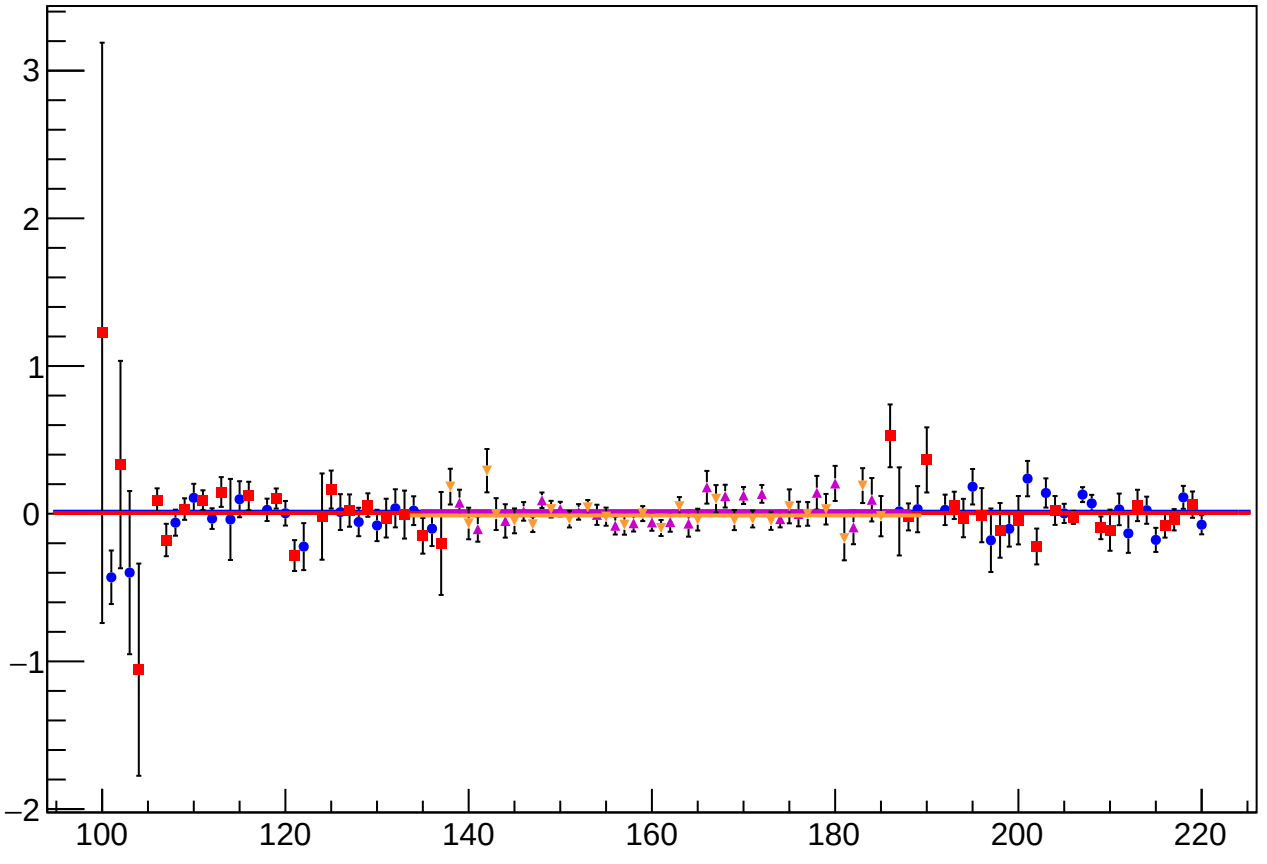
Right Out: 64.771+/-0.012 χ^2/NDF: 6444848.8/35

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.305+/-0.008 χ^2/NDF: 7837072.5/57

All: 60.159+/-0.005 χ^2/NDF: 16703096.5/116

- sign 60.010+/-0.008 χ^2/NDF: 8865291.1/58



Right In: 0.014+/-0.017 χ^2/NDF: 39.0/32

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

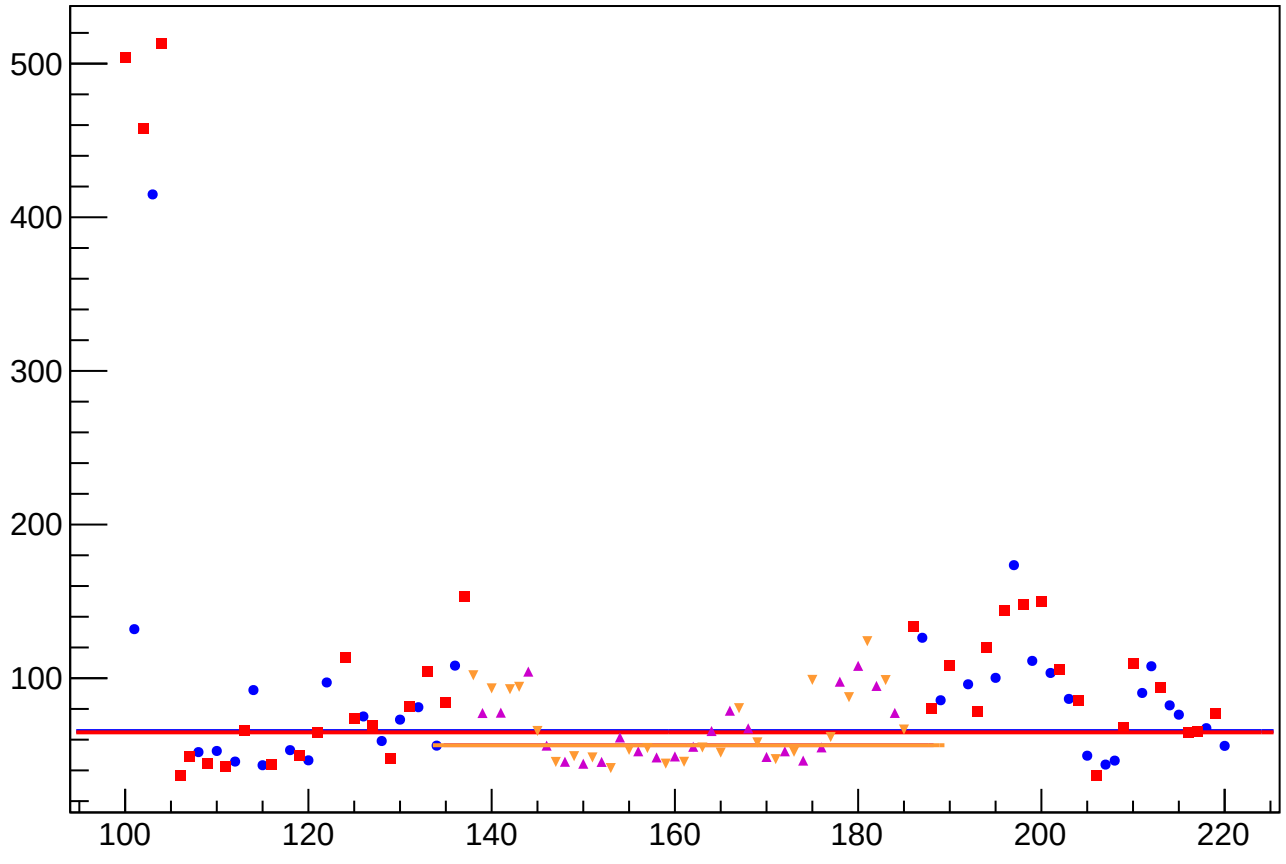
Right Out: 0.005+/-0.017 χ^2/NDF: 43.8/35

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.001+/-0.011 χ^2/NDF: 62.1/57

All: 0.005+/-0.008 χ^2/NDF: 137.6/116

- sign 0.012+/-0.011 χ^2/NDF: 74.8/58



Right In: 65.577+/-0.012 χ^2/NDF: 4686646.9/32

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

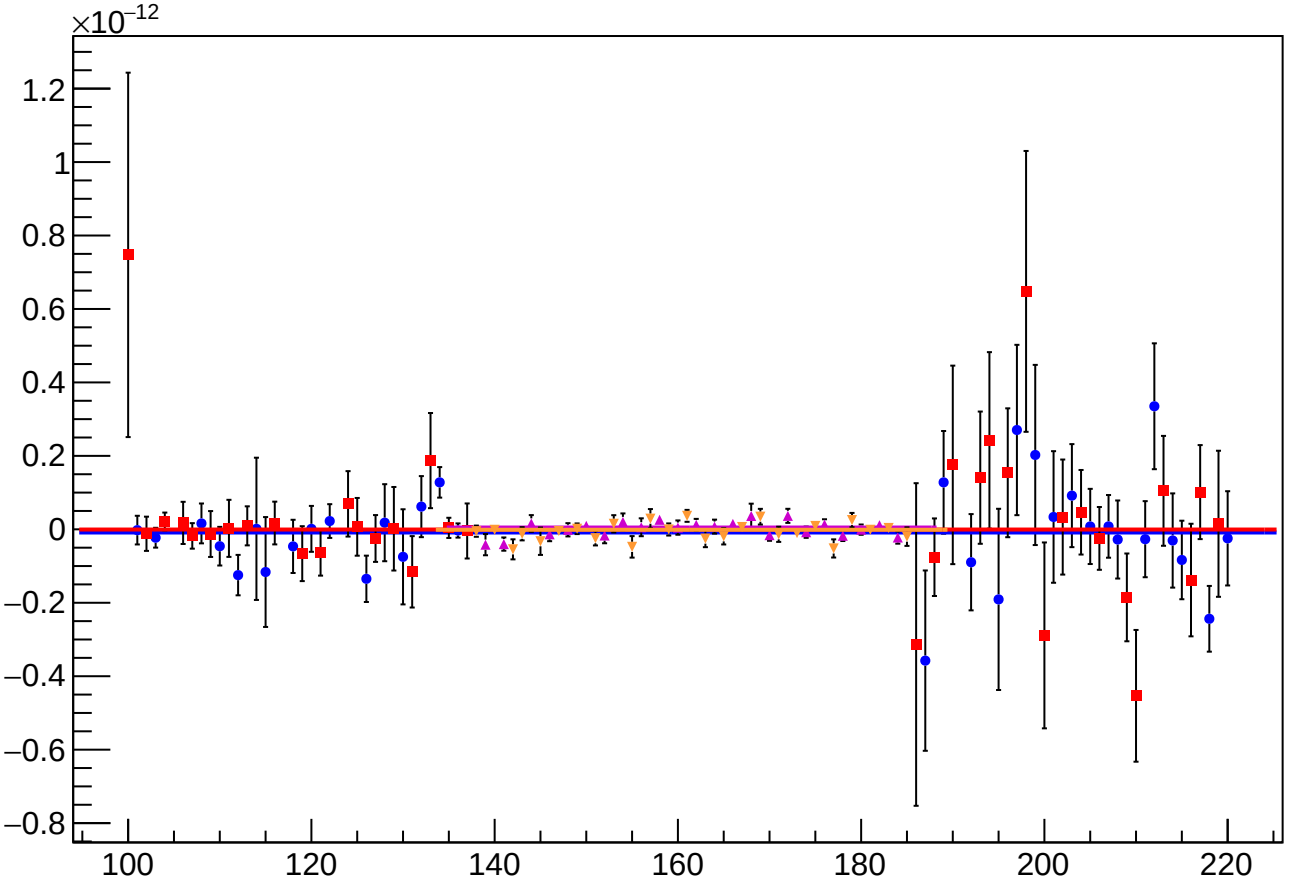
Right Out: 64.771+/-0.012 χ^2/NDF: 6444848.8/35

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.305+/-0.008 χ^2/NDF: 7837072.5/57

All: 60.159+/-0.005 χ^2/NDF: 16703096.5/116

- sign 60.010+/-0.008 χ^2/NDF: 8865291.1/58



Right In: -0.000+/-0.000 χ^2/NDF: 40.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

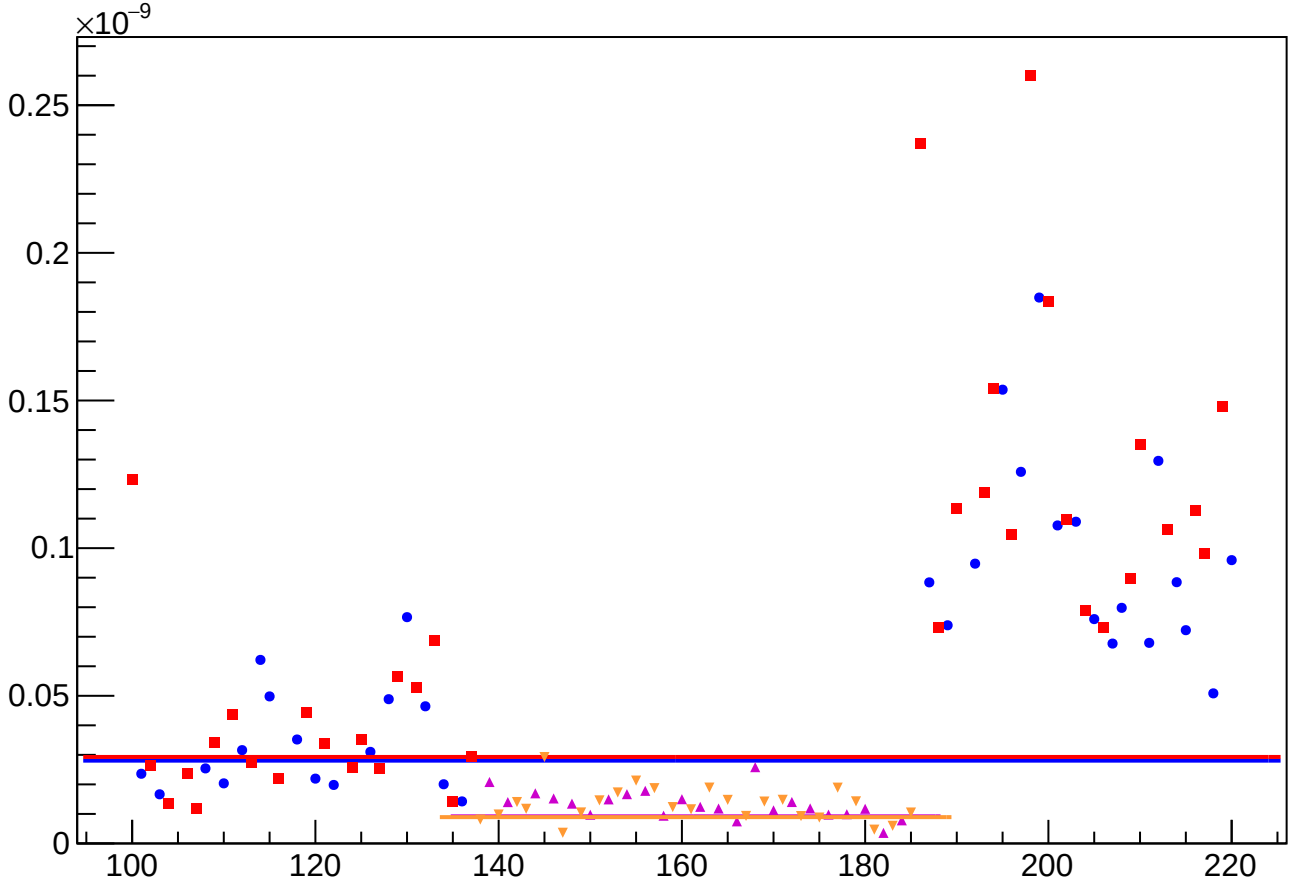
Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/35

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.9/57

All: 0.000+/-0.000 χ^2/NDF: 130.7/116

- sign 0.000+/-0.000 χ^2/NDF: 57.4/58



Right In: 0.000+/-0.000 χ^2/NDF: 9624318.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11593462.1/35

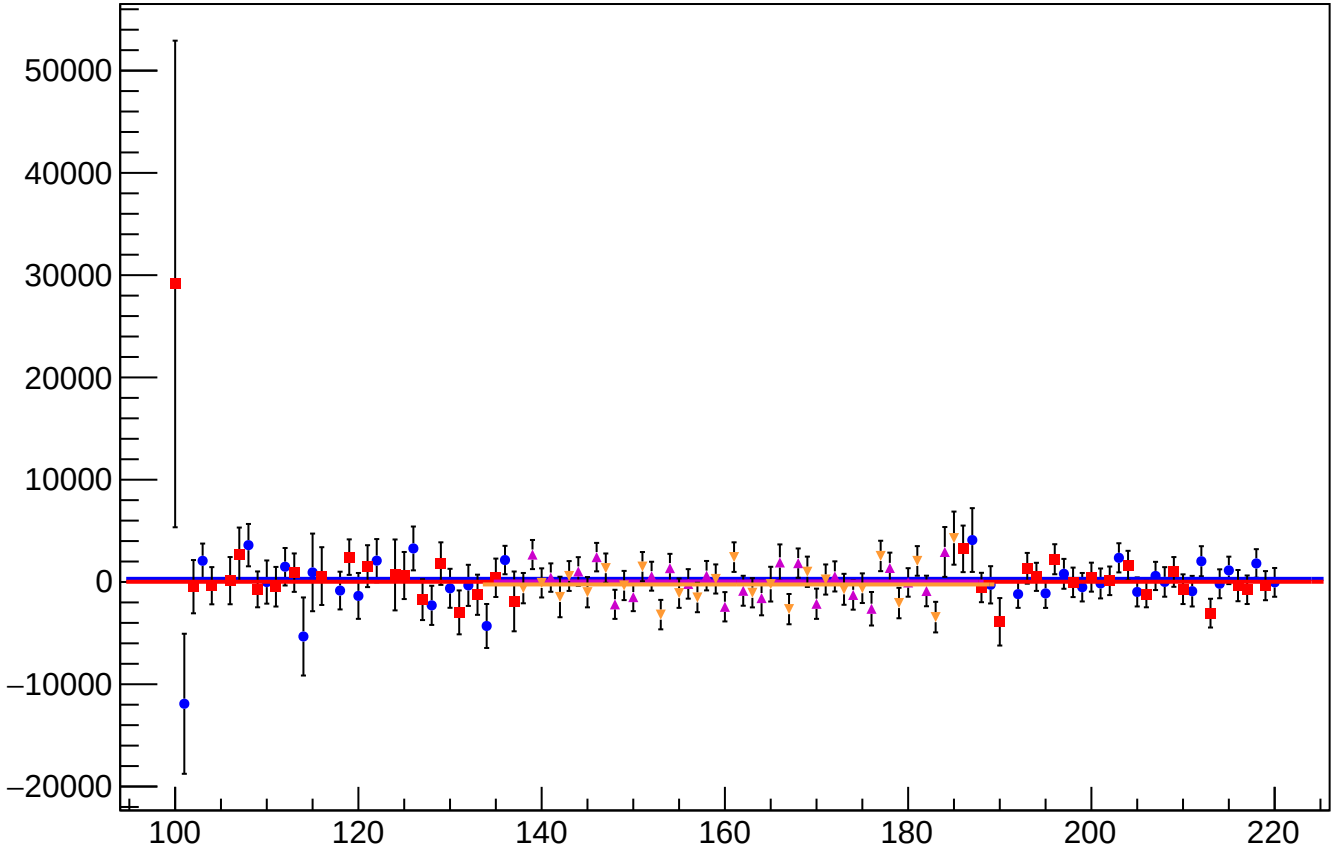
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 20729135.9/57

All: 0.000+/-0.000 χ^2/NDF: 43305595.9/116

- sign 0.000+/-0.000 χ^2/NDF: 22569081.7/58

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 307.149+/-293.476 χ^2/NDF: 32.6/32

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 20.853+/-291.825 χ^2/NDF: 26.2/35

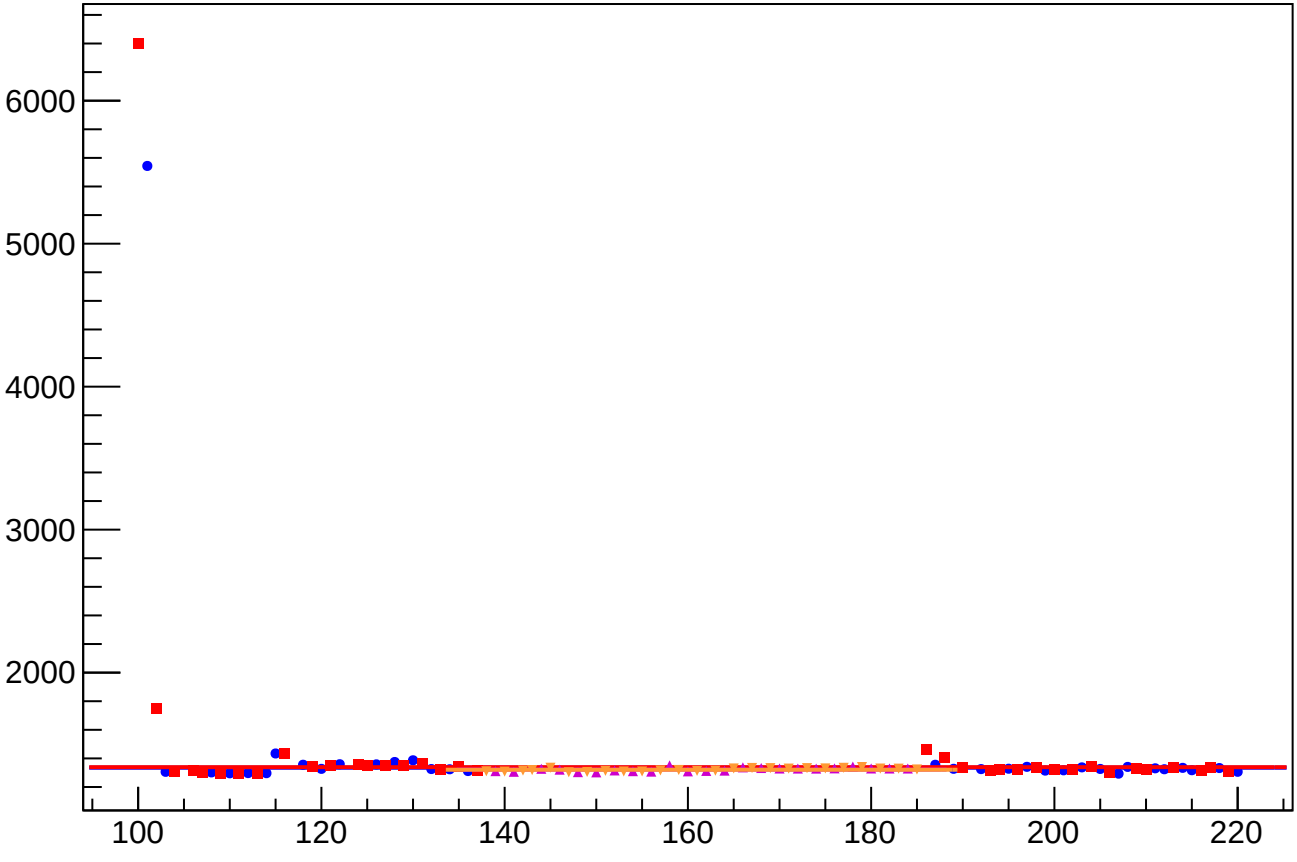
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign 39.168+/-209.790 χ^2/NDF: 66.1/57

All: 34.374+/-149.133 χ^2/NDF: 119.4/116

- sign 29.477+/-212.041 χ^2/NDF: 53.3/58

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1334.958+/-0.208 χ^2/NDF: 767950.7/32

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1338.607+/-0.206 χ^2/NDF: 163454.8/35

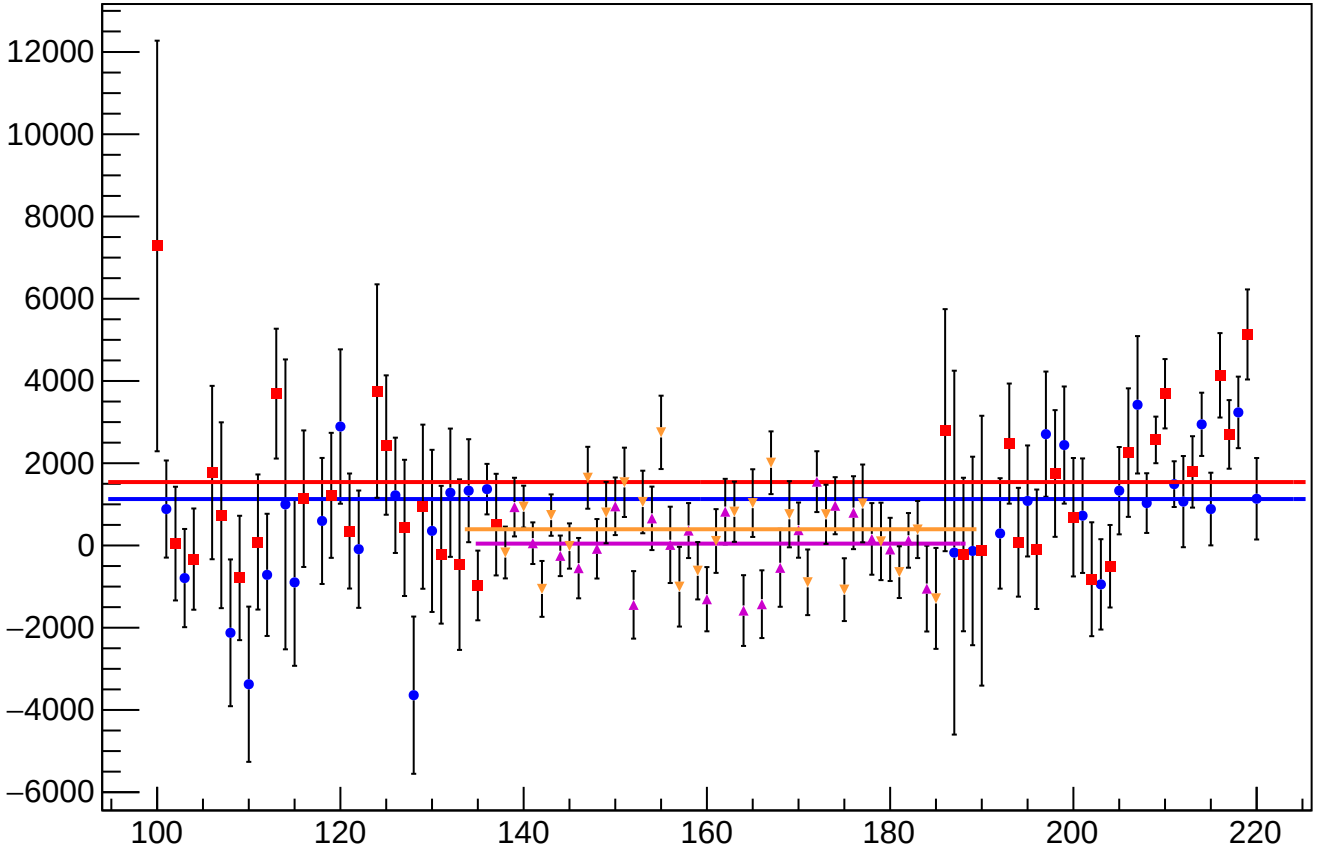
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.005+/-0.148 χ^2/NDF: 772848.3/57

All: 1329.321+/-0.105 χ^2/NDF: 943153.5/116

- sign 1330.665+/-0.150 χ^2/NDF: 170146.2/58

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 1128.788+/-200.626 χ^2/NDF: 42.7/32

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 1541.913+/-214.112 χ^2/NDF: 64.7/35

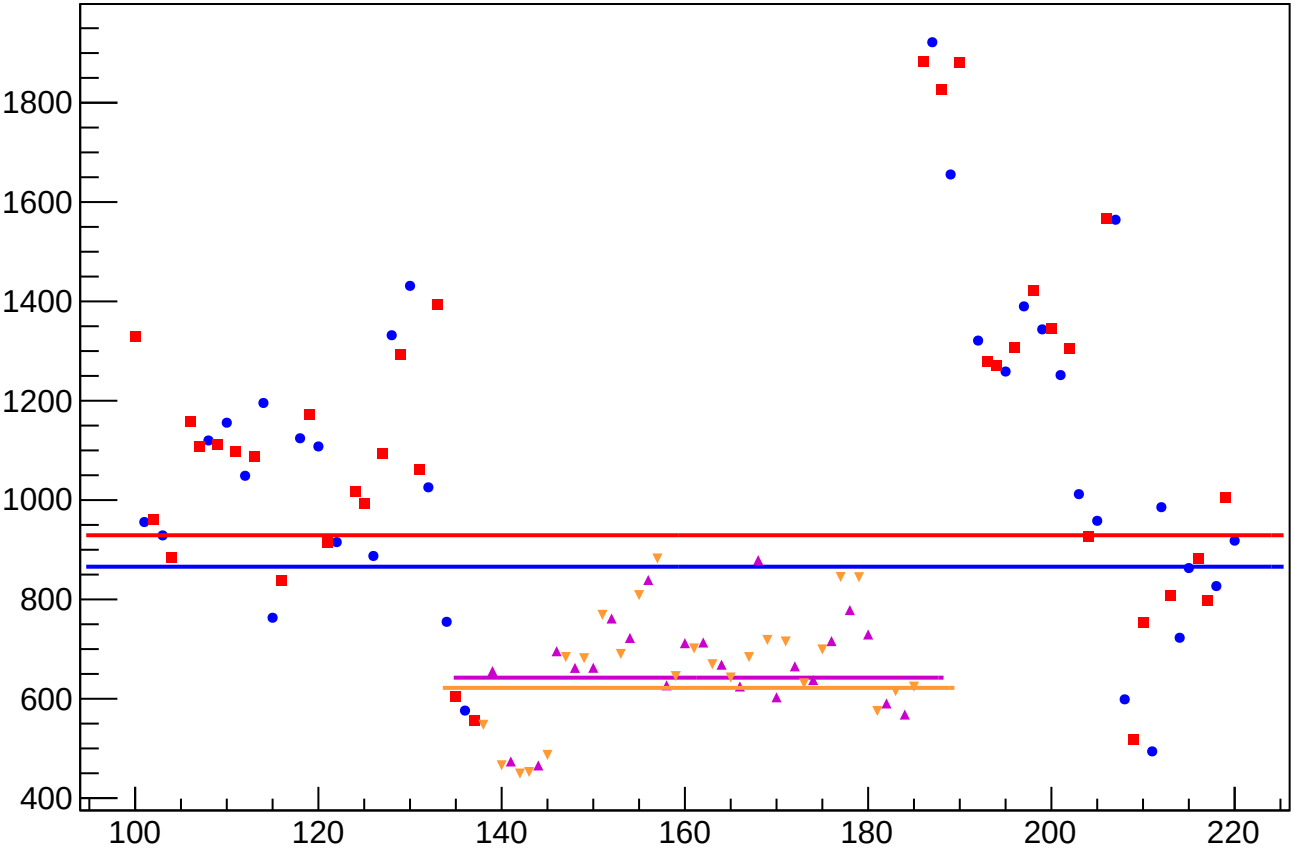
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

+ sign 645.482+/-117.286 χ^2/NDF: 93.4/57

All: 599.461+/-85.249 χ^2/NDF: 218.5/116

- sign 547.919+/-124.124 χ^2/NDF: 124.7/58

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 865.875+/-0.142 χ^2/NDF: 4049322.9/32

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 929.196+/-0.151 χ^2/NDF: 4179403.0/35

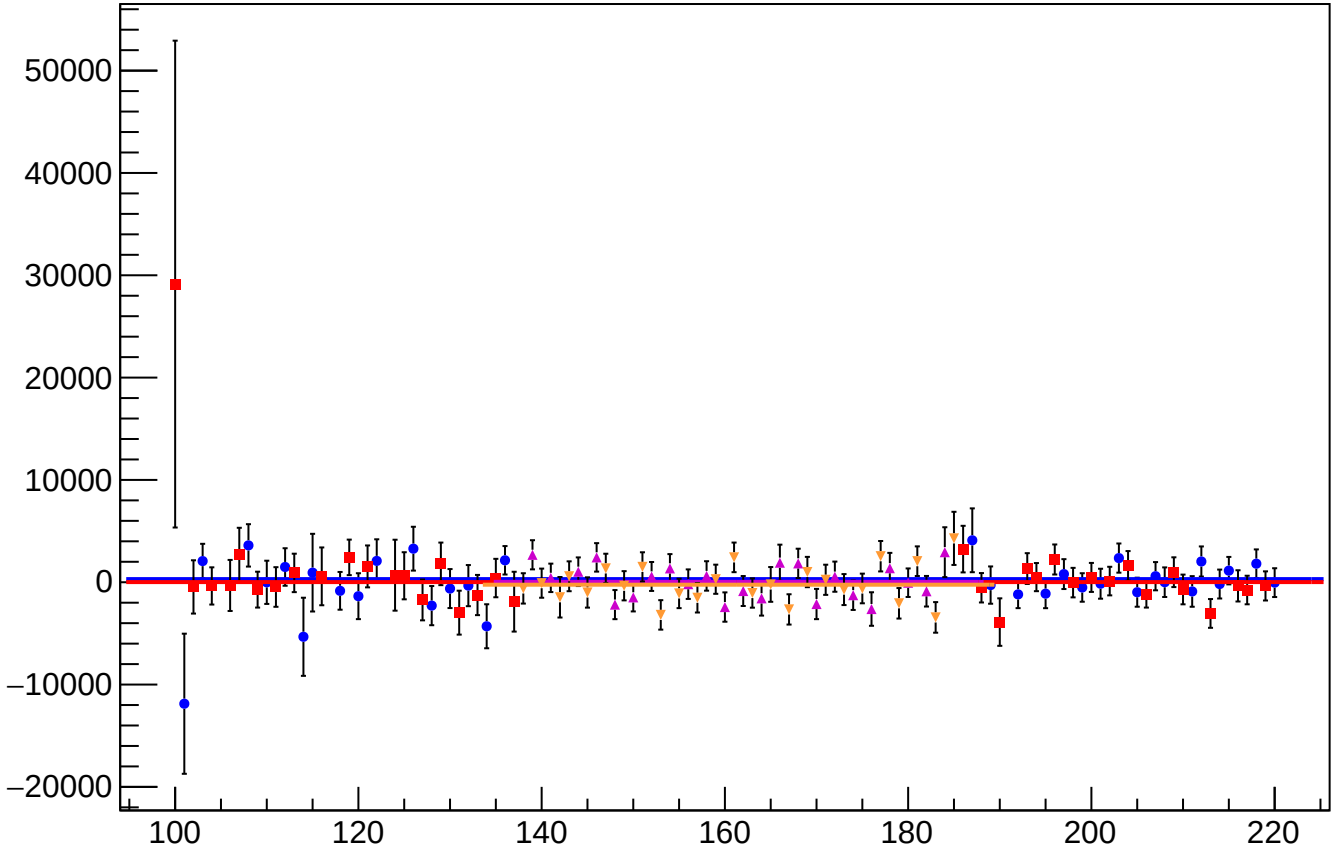
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 705.314+/-0.083 χ^2/NDF: 7378849.3/57

All: 721.123+/-0.060 χ^2/NDF: 14942874.1/11

- sign 738.830+/-0.088 χ^2/NDF: 7486985.7/58

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 307.281+/-293.476 χ^2/NDF: 32.6/32

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 14.620+/-292.162 χ^2/NDF: 26.2/35

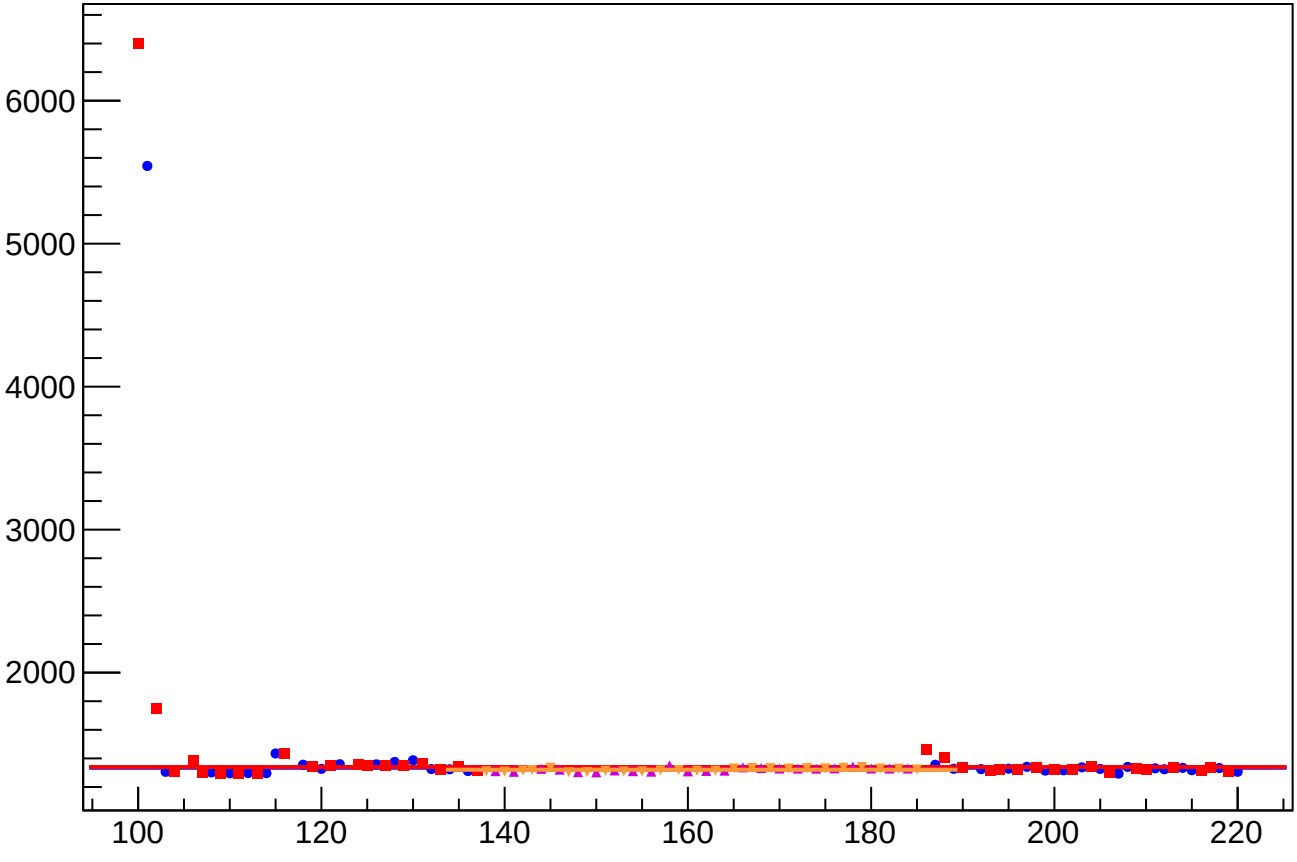
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign 39.235+/-209.790 χ^2/NDF: 66.0/57

All: 32.808+/-149.178 χ^2/NDF: 119.4/116

- sign 26.234+/-212.170 χ^2/NDF: 53.4/58

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1334.958+/-0.208 χ^2/NDF: 767949.8/32

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1339.633+/-0.207 χ^2/NDF: 164071.9/35

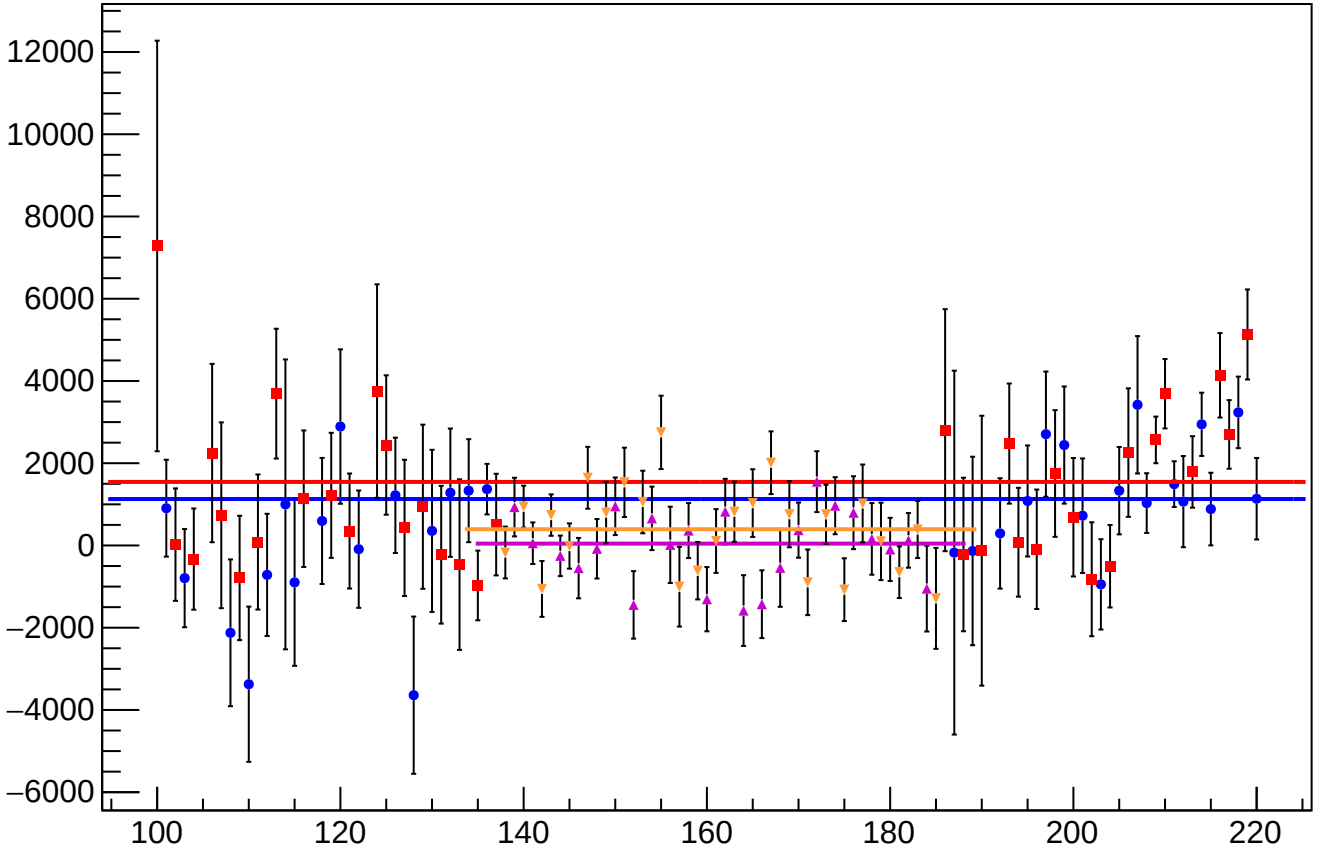
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.005+/-0.148 χ^2/NDF: 772847.3/57

All: 1329.583+/-0.105 χ^2/NDF: 944230.0/116

- sign 1331.197+/-0.150 χ^2/NDF: 171153.9/58

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 1129.373+/-200.613 χ^2/NDF: 42.7/32

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 1545.011+/-214.112 χ^2/NDF: 64.9/35

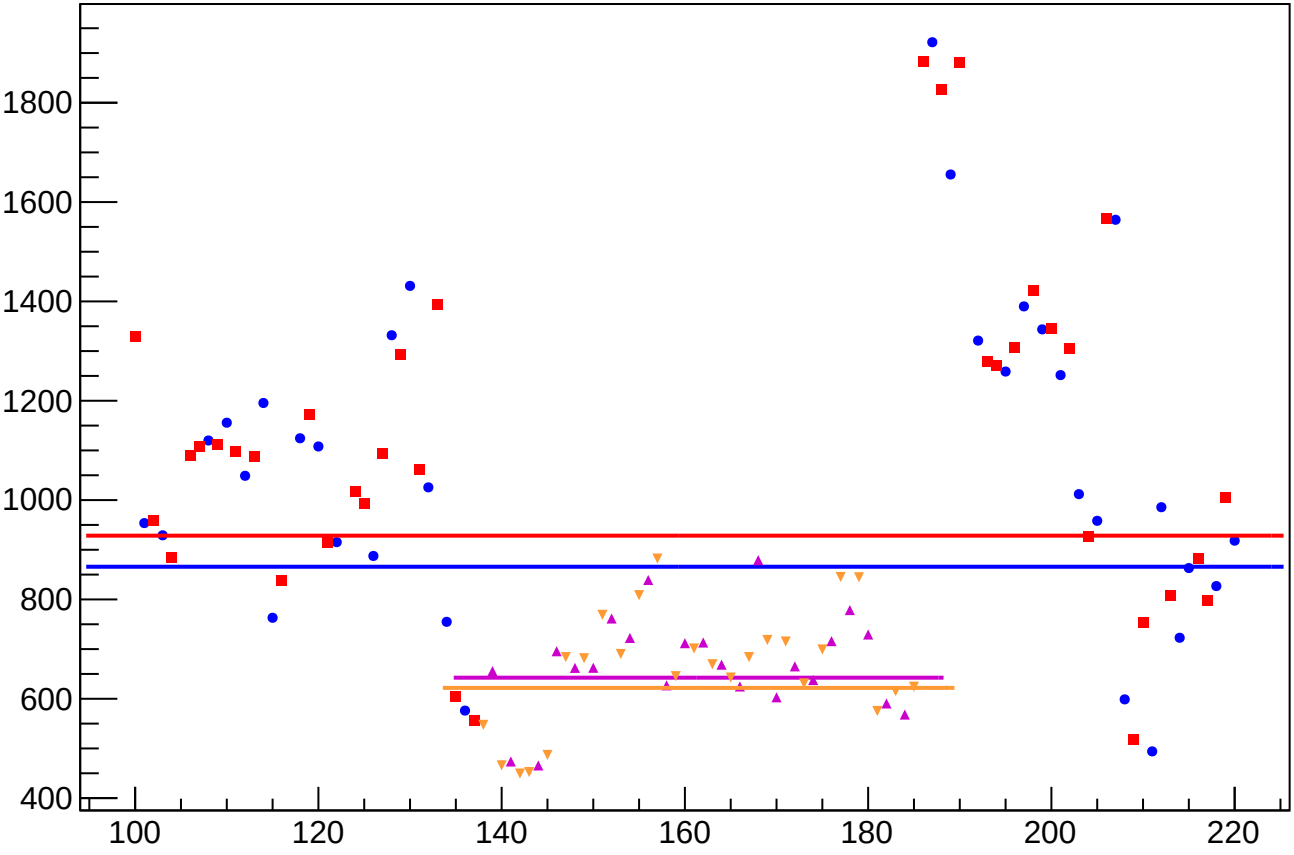
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 645.684+/-117.283 χ^2/NDF: 93.4/57

All: 600.053+/-85.247 χ^2/NDF: 218.8/116

- sign 548.946+/-124.123 χ^2/NDF: 125.0/58

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 865.827+/-0.142 χ^2/NDF: 4048963.0/32

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 928.384+/-0.151 χ^2/NDF: 4166932.8/35

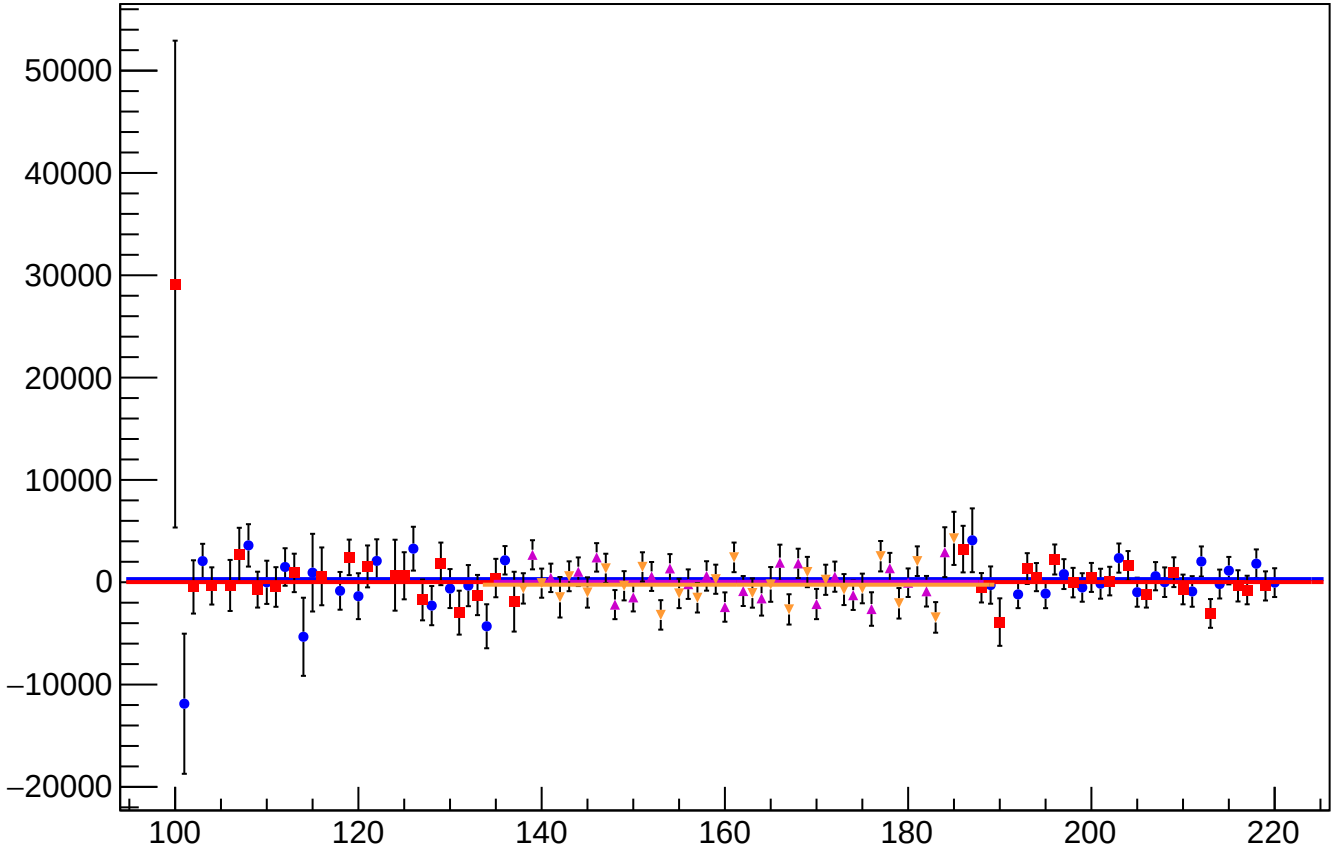
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 705.304+/-0.083 χ^2/NDF: 7377779.0/57

All: 720.987+/-0.060 χ^2/NDF: 14914785.1/11

- sign 738.553+/-0.088 χ^2/NDF: 7461188.6/58

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 307.281+/-293.476 χ^2/NDF: 32.6/32

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 14.620+/-292.162 χ^2/NDF: 26.2/35

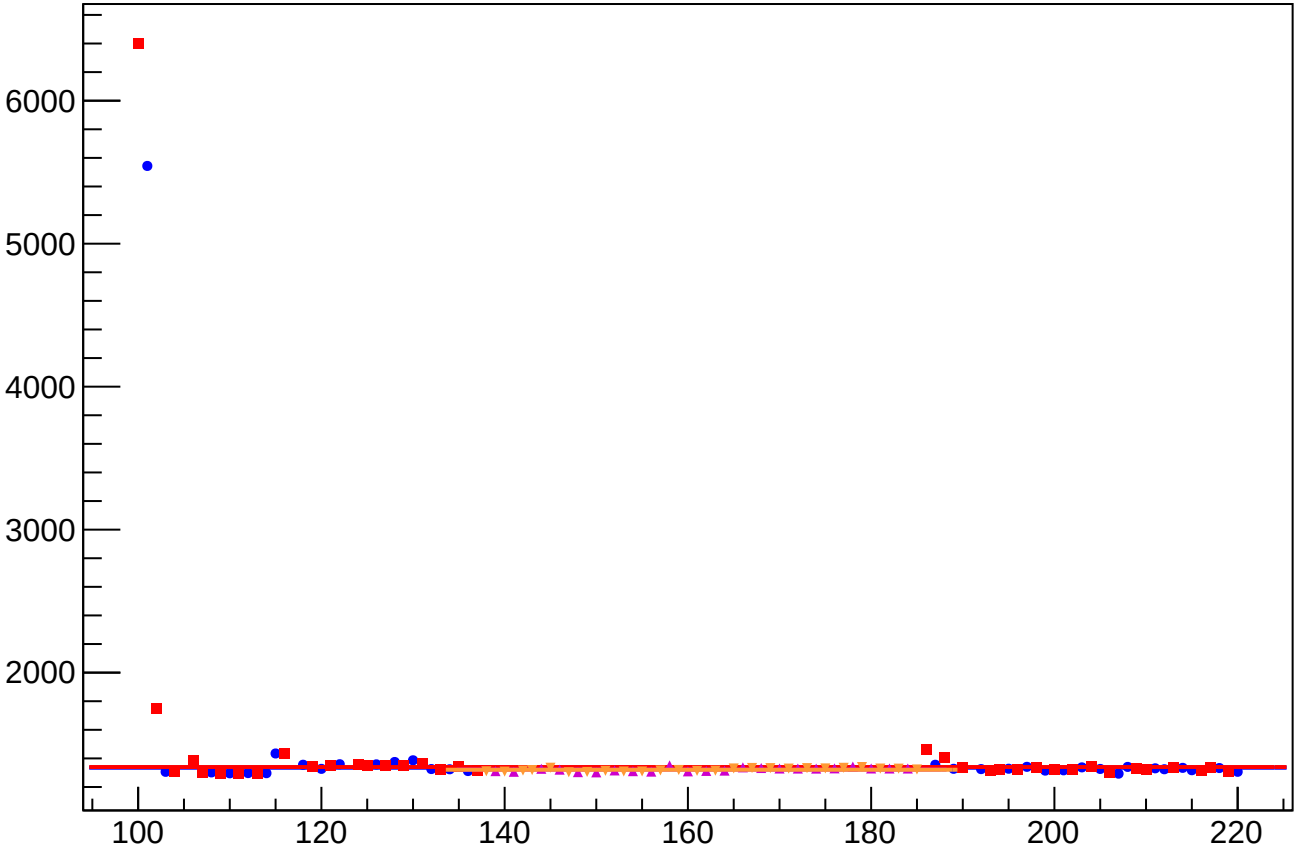
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign 39.235+/-209.790 χ^2/NDF: 66.0/57

All: 32.808+/-149.178 χ^2/NDF: 119.4/116

- sign 26.234+/-212.170 χ^2/NDF: 53.4/58

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1334.958+/-0.208 χ^2/NDF: 767949.8/32

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

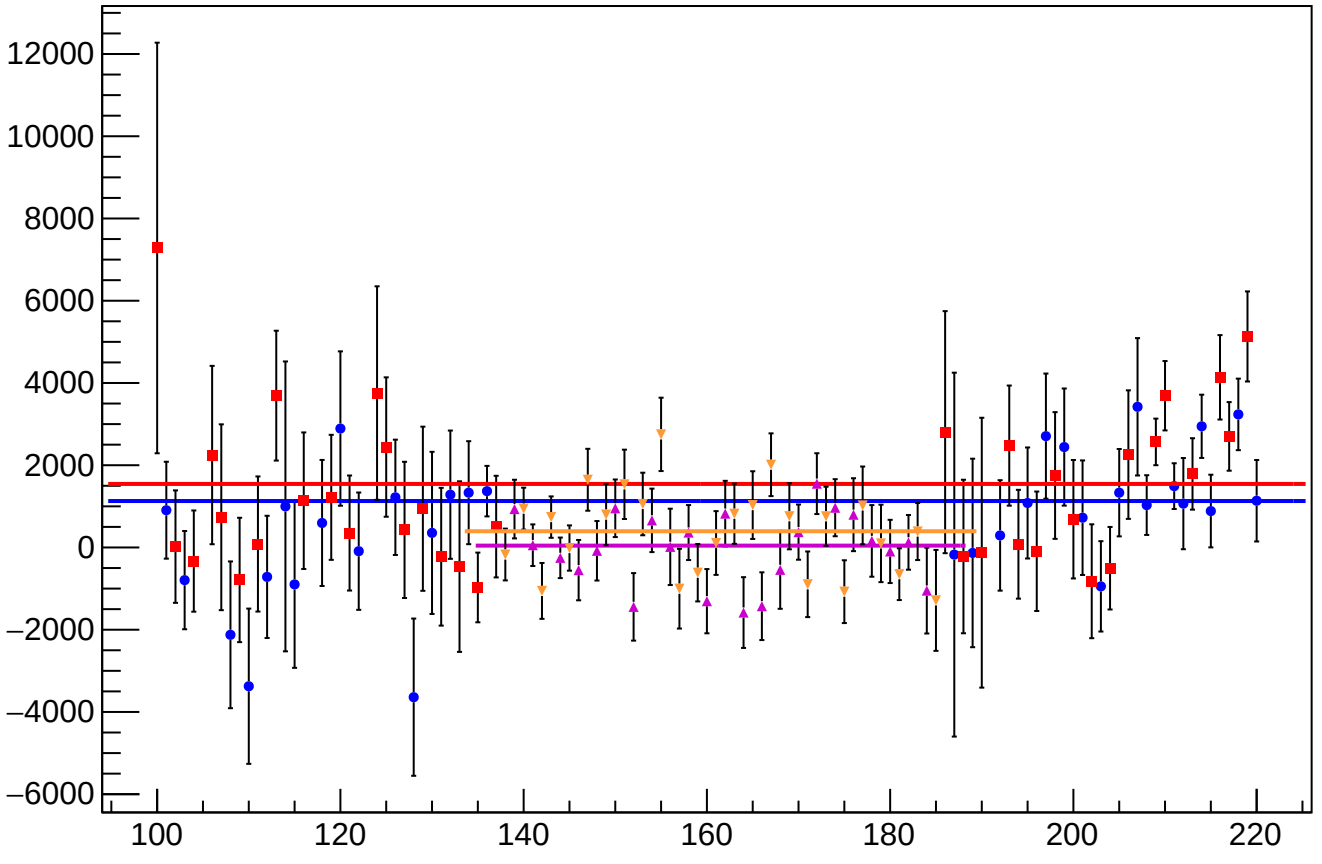
Right Out: 1339.633+/-0.207 χ^2/NDF: 164071.9/35

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1328.005+/-0.148 χ^2/NDF: 772847.3/57

All: 1329.583+/-0.105 χ^2/NDF: 944230.0/116

- sign 1331.197+/-0.150 χ^2/NDF: 171153.9/58



Right In: 1129.373+/-200.613 χ^2/NDF: 42.7/32

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

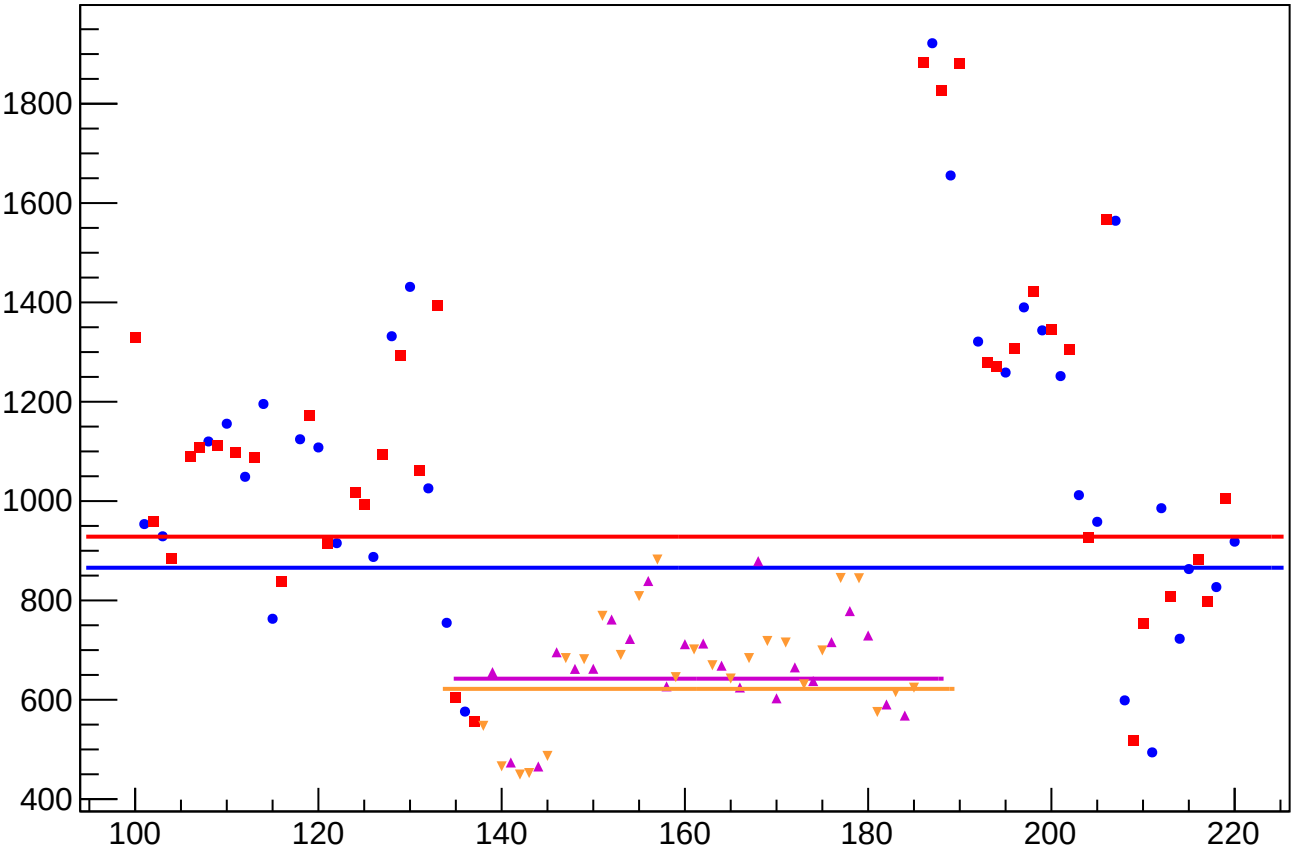
Right Out: 1545.011+/-214.112 χ^2/NDF: 64.9/35

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 645.684+/-117.283 χ^2/NDF: 93.4/57

All: 600.053+/-85.247 χ^2/NDF: 218.8/116

- sign 548.946+/-124.123 χ^2/NDF: 125.0/58



Right In: 865.827+/-0.142 χ^2/NDF: 4048963.0/32

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 928.384+/-0.151 χ^2/NDF: 4166932.8/35

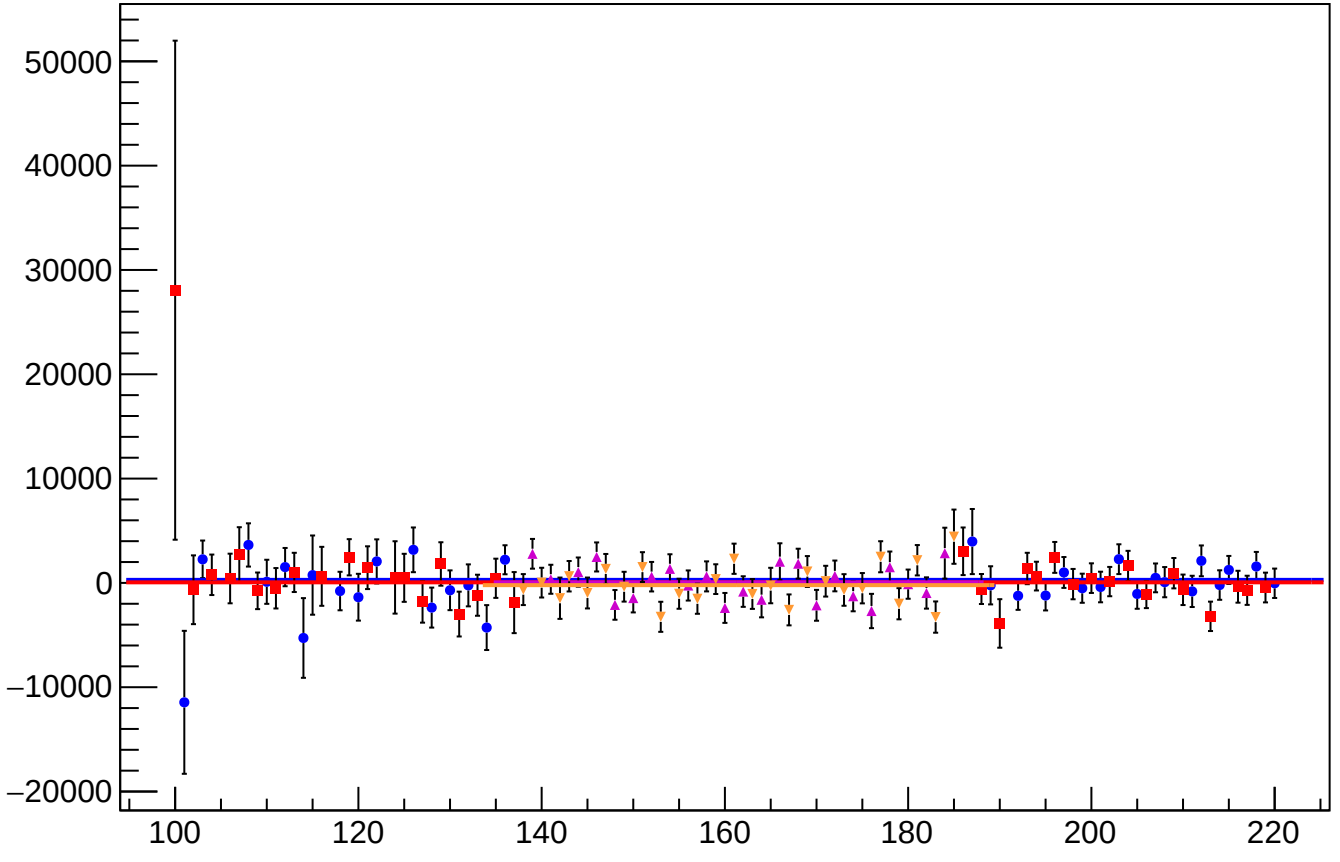
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 705.304+/-0.083 χ^2/NDF: 7377779.0/57

All: 720.987+/-0.060 χ^2/NDF: 14914785.1/11

- sign 738.553+/-0.088 χ^2/NDF: 7461188.6/58

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 290.953+/-294.609 χ^2/NDF: 32.5/32

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 54.270+/-293.833 χ^2/NDF: 27.0/35

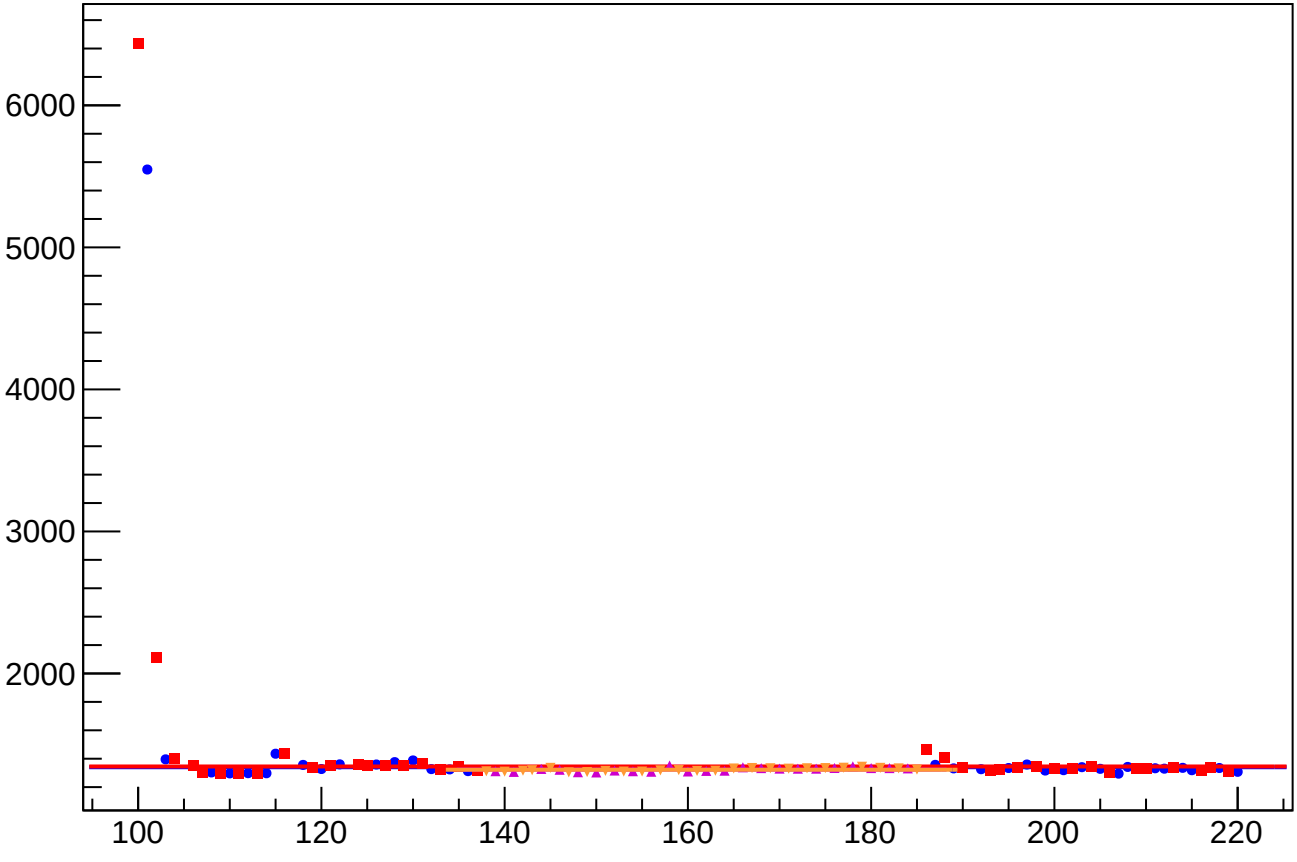
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign 42.866+/-210.330 χ^2/NDF: 65.2/57

All: 47.554+/-149.636 χ^2/NDF: 120.0/116

- sign 52.358+/-212.927 χ^2/NDF: 54.8/58

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1340.071+/-0.208 χ^2/NDF: 769252.3/32

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1345.301+/-0.208 χ^2/NDF: 222589.4/35

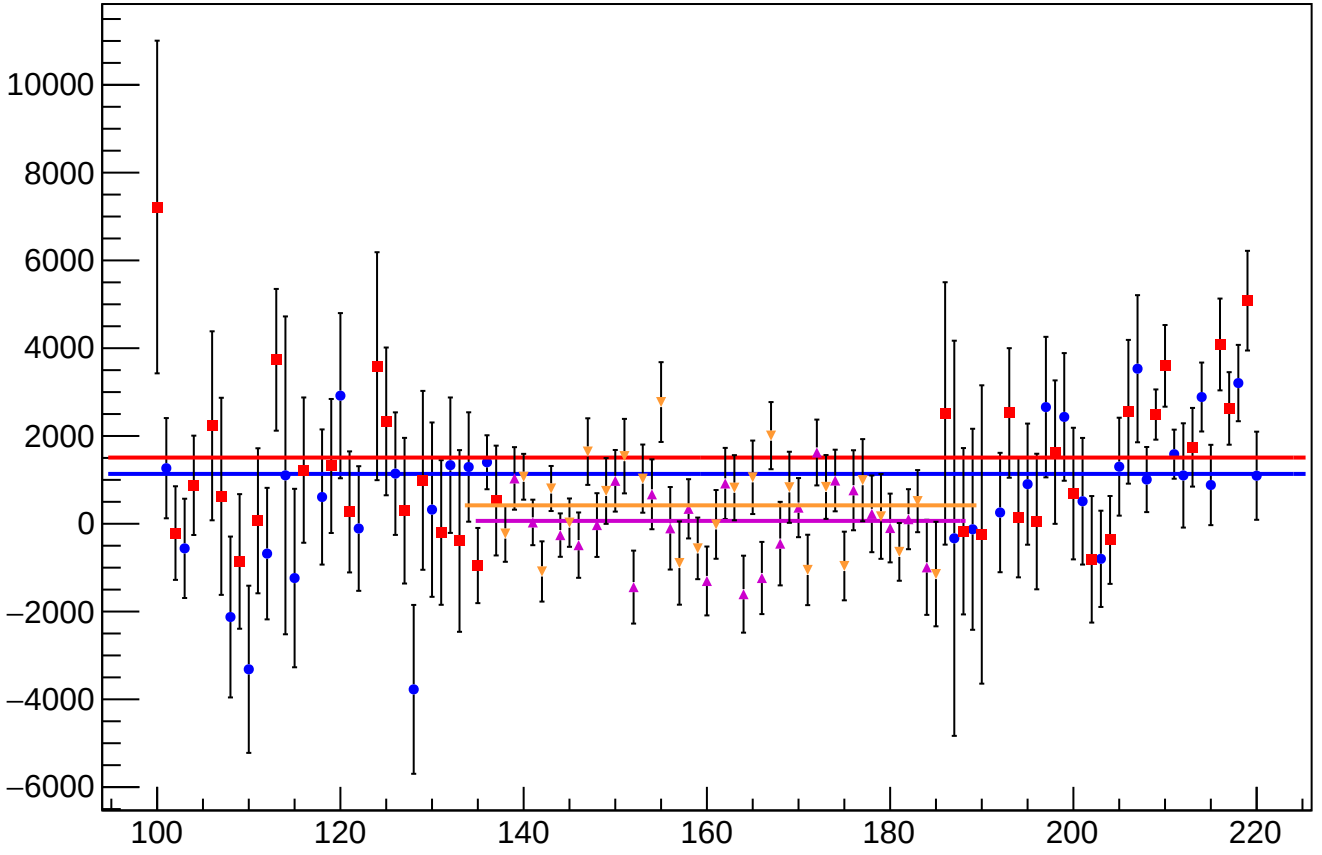
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1331.391+/-0.149 χ^2/NDF: 775724.6/57

All: 1333.110+/-0.106 χ^2/NDF: 1007747.2/11

- sign 1334.871+/-0.151 χ^2/NDF: 231752.3/58

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 1135.931+/-202.740 χ^2/NDF: 41.7/32

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 1508.318+/-215.567 χ^2/NDF: 59.8/35

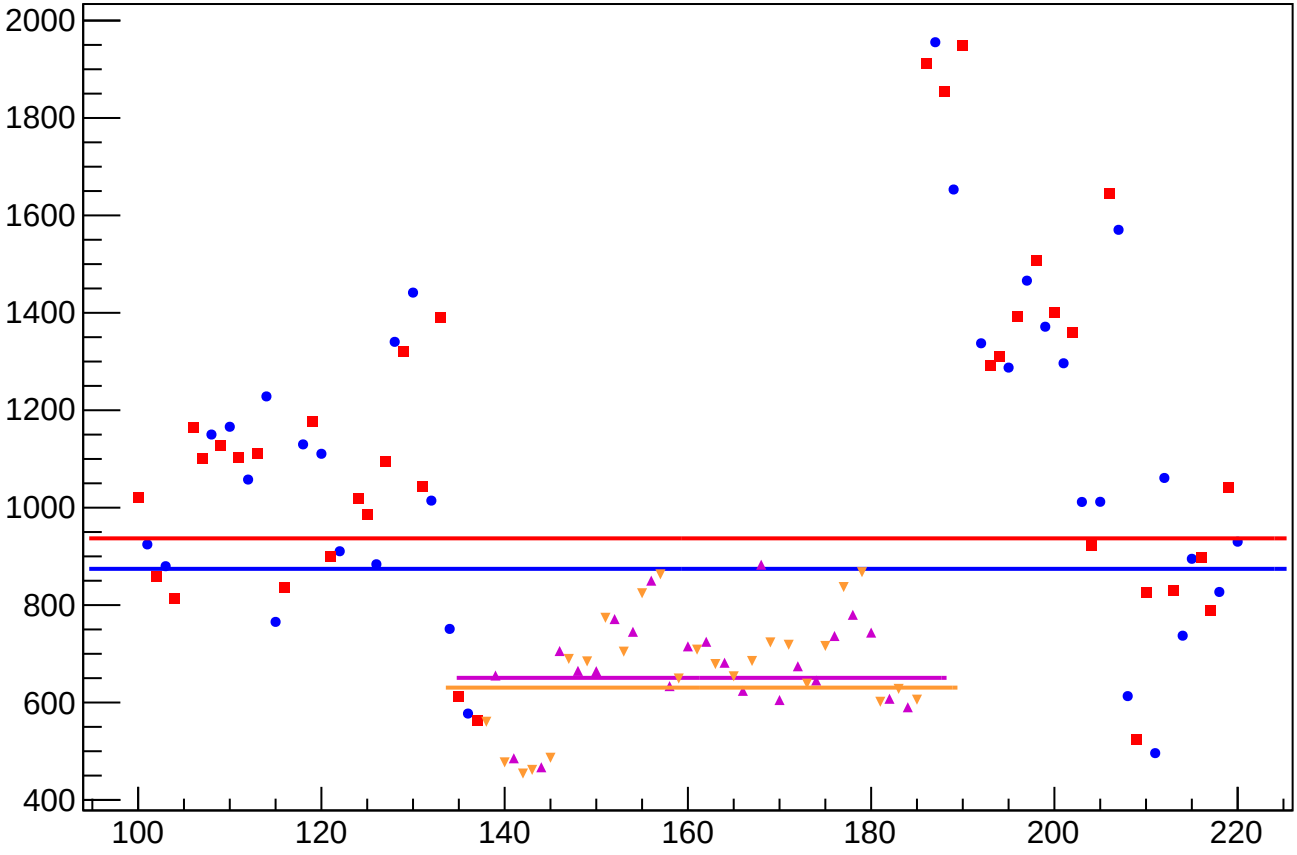
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

+ sign 665.382+/-118.709 χ^2/NDF: 91.5/57

All: 612.715+/-86.218 χ^2/NDF: 208.4/116

- sign 553.916+/-125.429 χ^2/NDF: 116.5/58

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 874.417+/-0.143 χ^2/NDF: 4152321.7/32

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 937.009+/-0.152 χ^2/NDF: 4331499.7/35

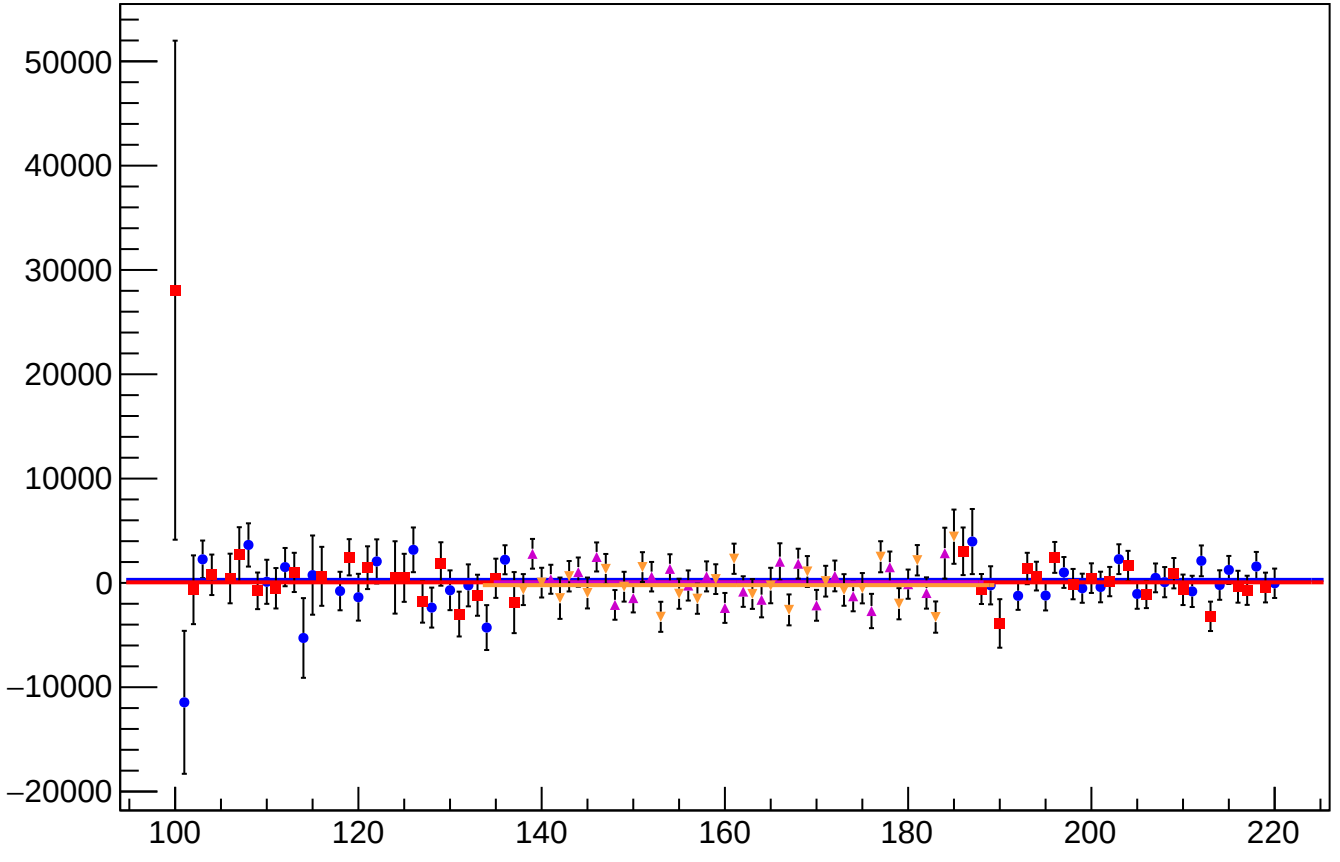
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 714.184+/-0.084 χ^2/NDF: 7381903.1/57

All: 729.969+/-0.061 χ^2/NDF: 15044960.2/11

- sign 747.591+/-0.089 χ^2/NDF: 7588219.7/58

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 290.953+/-294.609 χ^2/NDF: 32.5/32

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 54.265+/-293.833 χ^2/NDF: 27.0/35

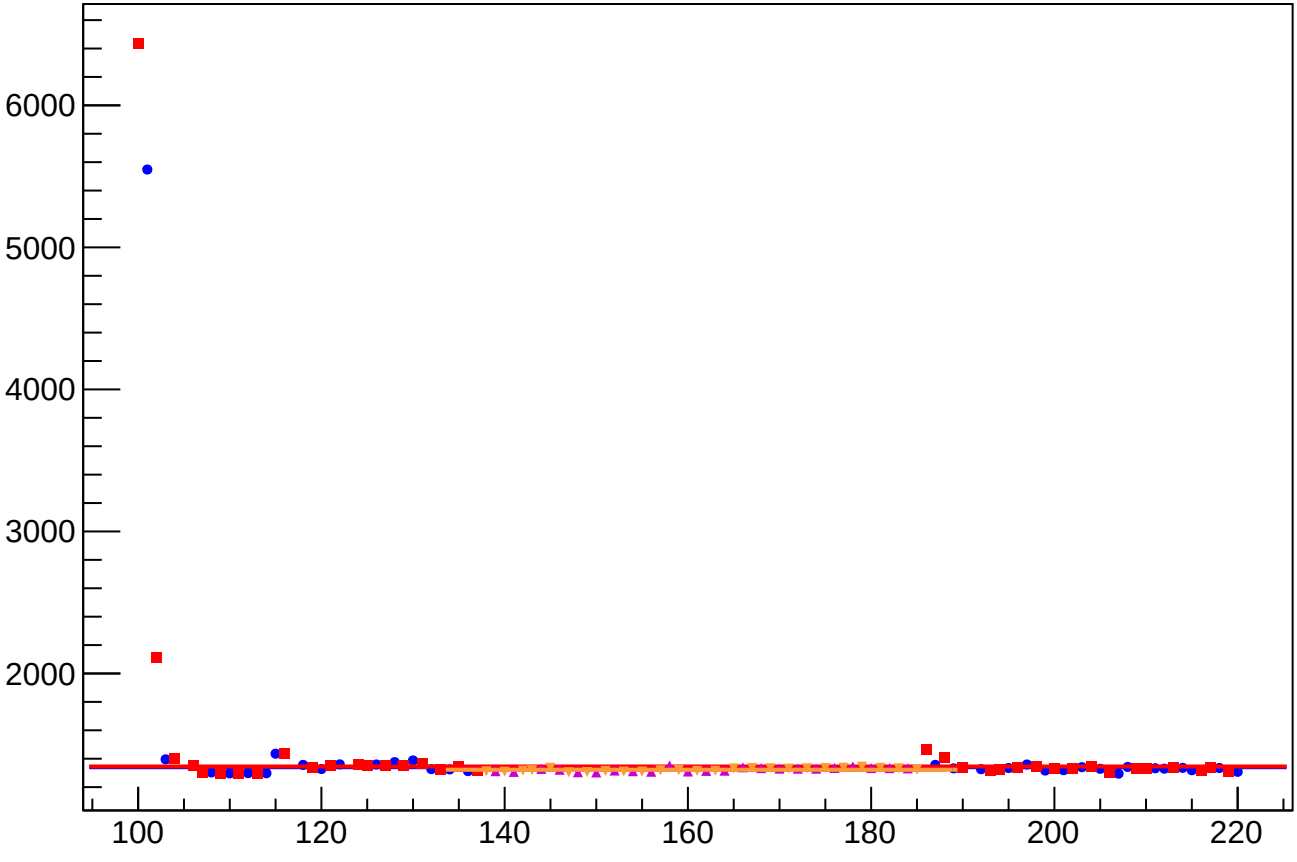
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign 42.865+/-210.330 χ^2/NDF: 65.2/57

All: 47.552+/-149.636 χ^2/NDF: 120.0/116

- sign 52.356+/-212.927 χ^2/NDF: 54.8/58

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1340.071+/-0.208 χ^2/NDF: 769252.3/32

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

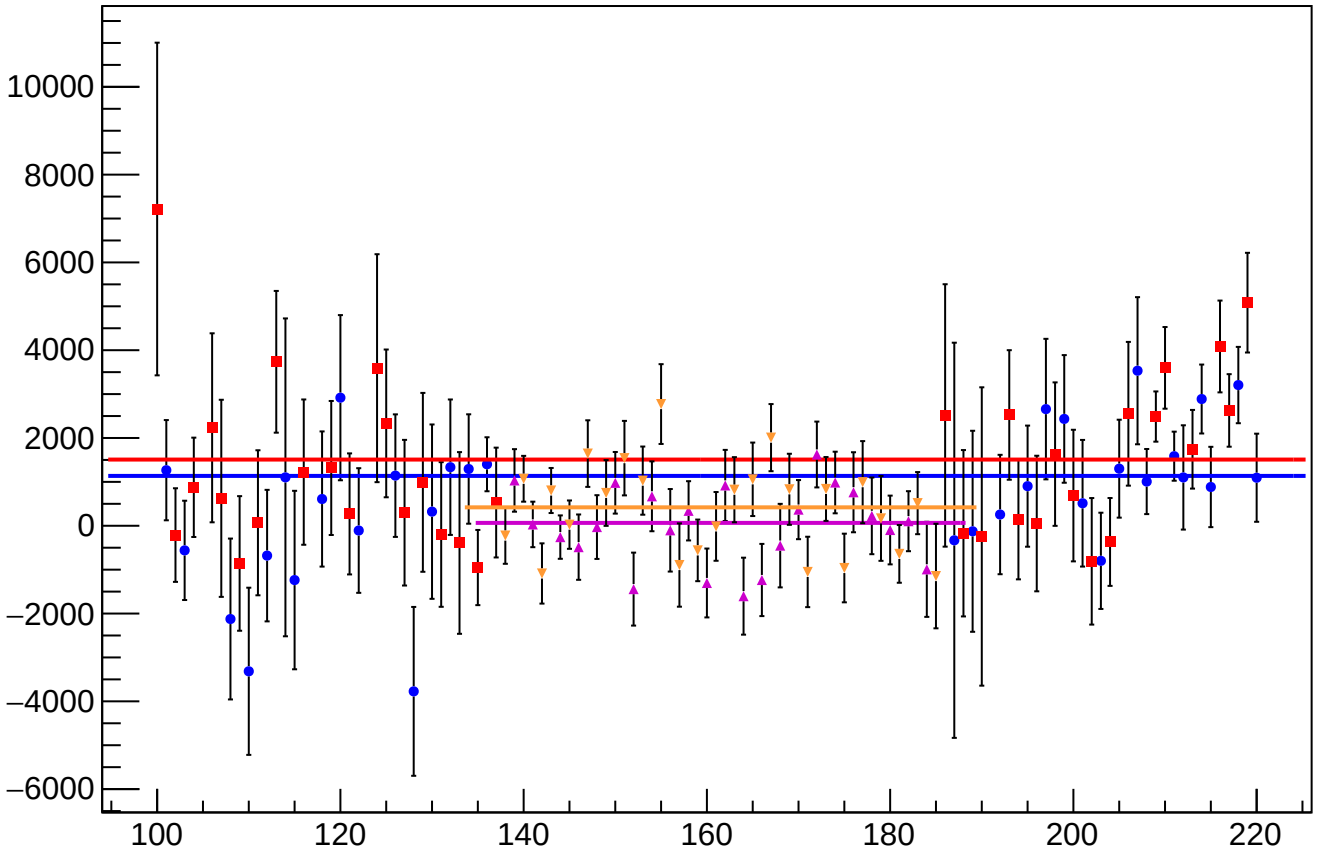
Right Out: 1345.301+/-0.208 χ^2/NDF: 222589.3/35

Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1331.391+/-0.149 χ^2/NDF: 775724.5/57

All: 1333.110+/-0.106 χ^2/NDF: 1007747.0/11

- sign 1334.871+/-0.151 χ^2/NDF: 231752.2/58



Right In: 1135.928+/-202.740 χ^2/NDF: 41.7/32

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 1508.317+/-215.566 χ^2/NDF: 59.8/35

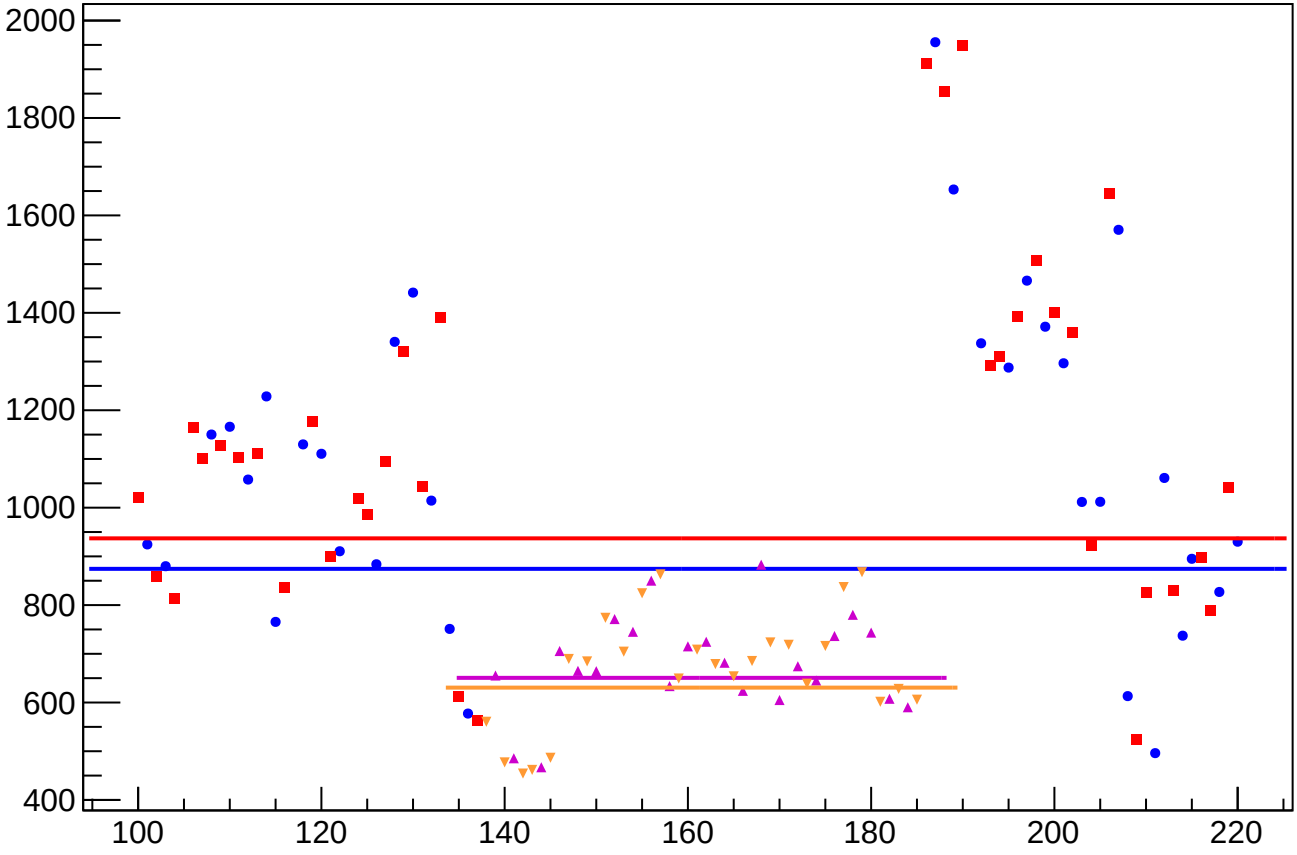
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 665.382+/-118.709 χ^2/NDF: 91.5/57

All: 612.716+/-86.218 χ^2/NDF: 208.4/116

- sign 553.918+/-125.429 χ^2/NDF: 116.5/58

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 874.416+/-0.143 χ^2/NDF: 4152315.1/32

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 937.007+/-0.152 χ^2/NDF: 4331524.7/35

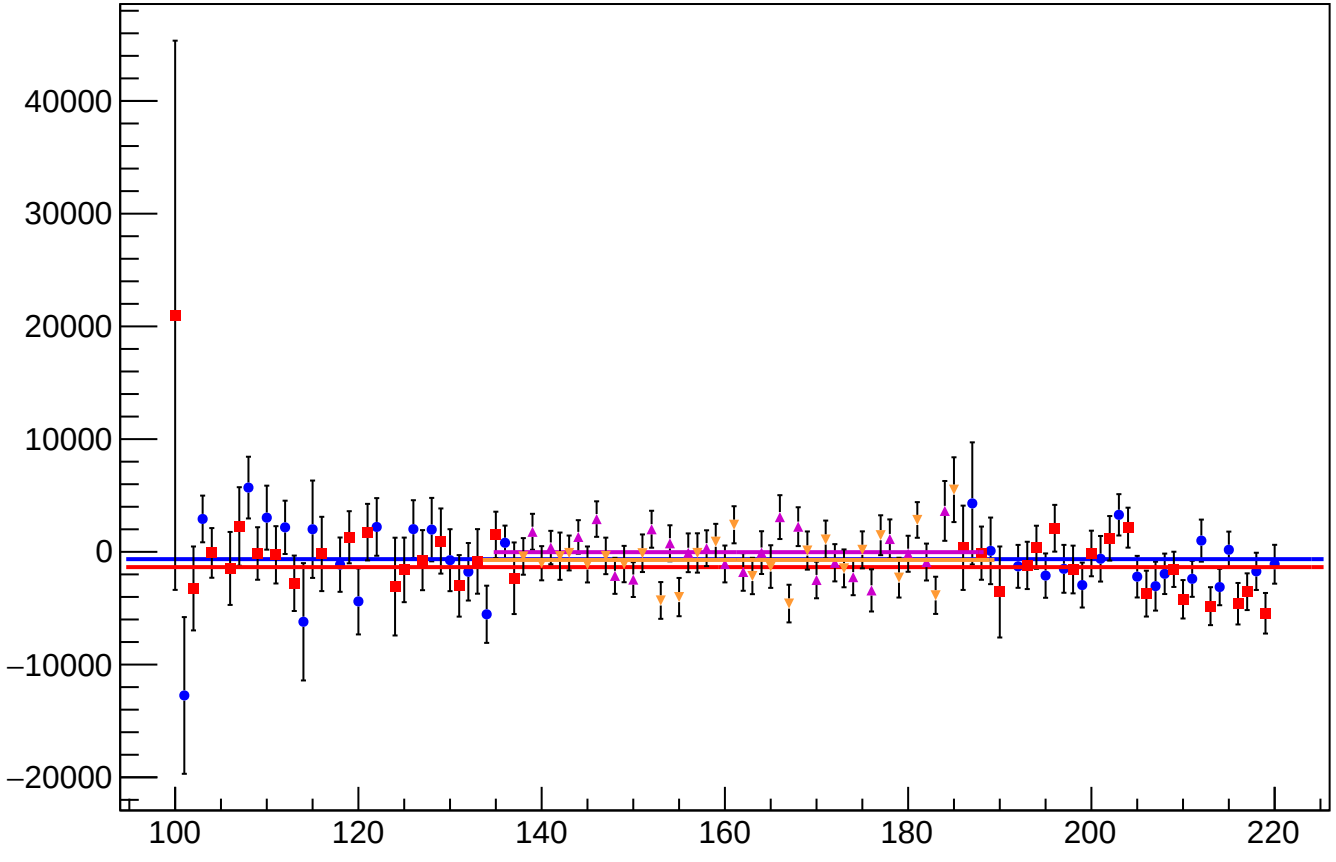
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 714.185+/-0.084 χ^2/NDF: 7381896.0/57

All: 729.969+/-0.061 χ^2/NDF: 15044936.2/11

- sign 747.591+/-0.089 χ^2/NDF: 7588202.3/58

asym_usr_atr1_dd_mean vs Slug



Right In: -646.715+/-376.915 χ^2/NDF: 40.9/32

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -1354.211+/-382.251 χ^2/NDF: 38.3/35

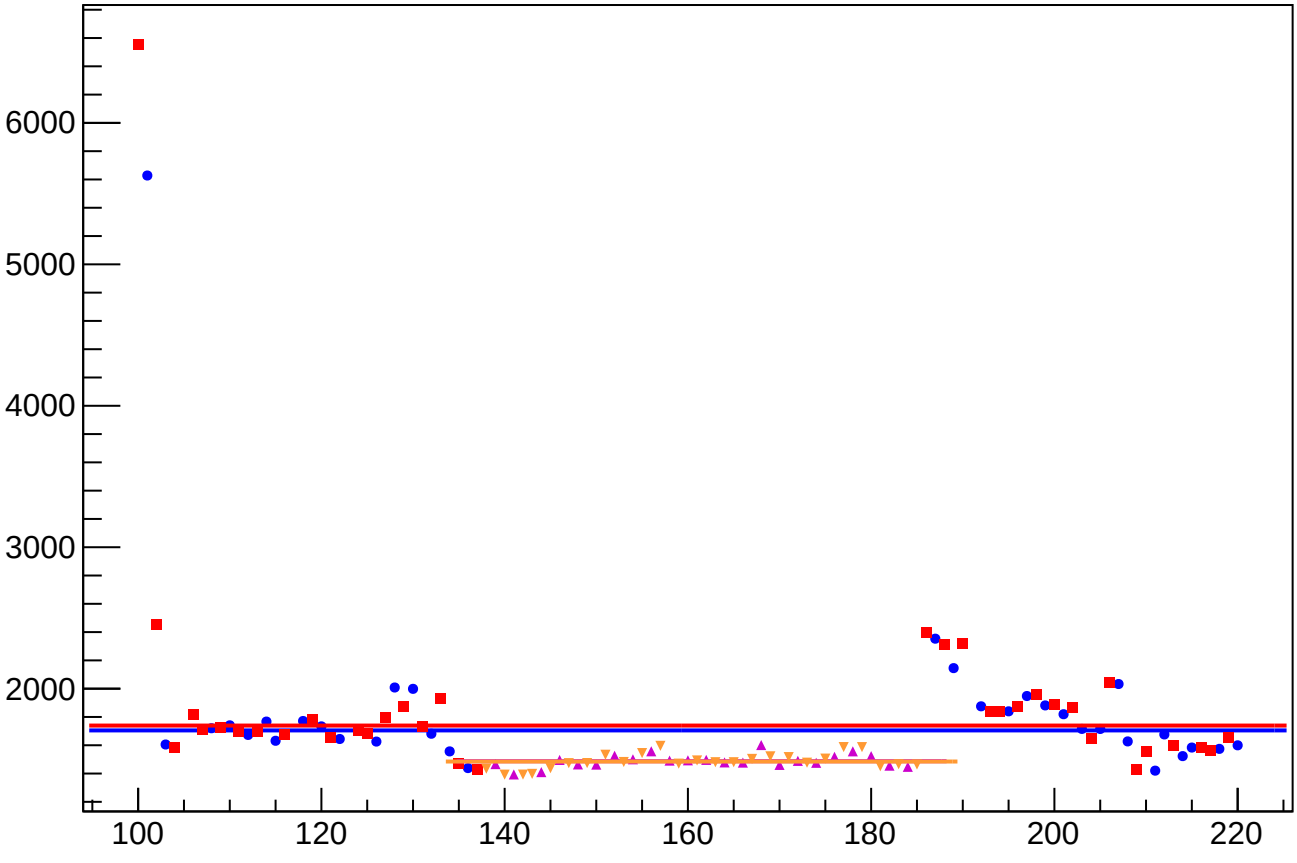
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -686.432+/-251.465 χ^2/NDF: 78.6/57

All: -657.700+/-179.770 χ^2/NDF: 151.6/116

- sign -627.667+/-257.095 χ^2/NDF: 72.9/58

asym_usr_atr1_dd_rms vs Slug



Right In: 1704.922+/-0.267 χ^2/NDF: 1079331.1/32

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1739.250+/-0.270 χ^2/NDF: 725126.9/35

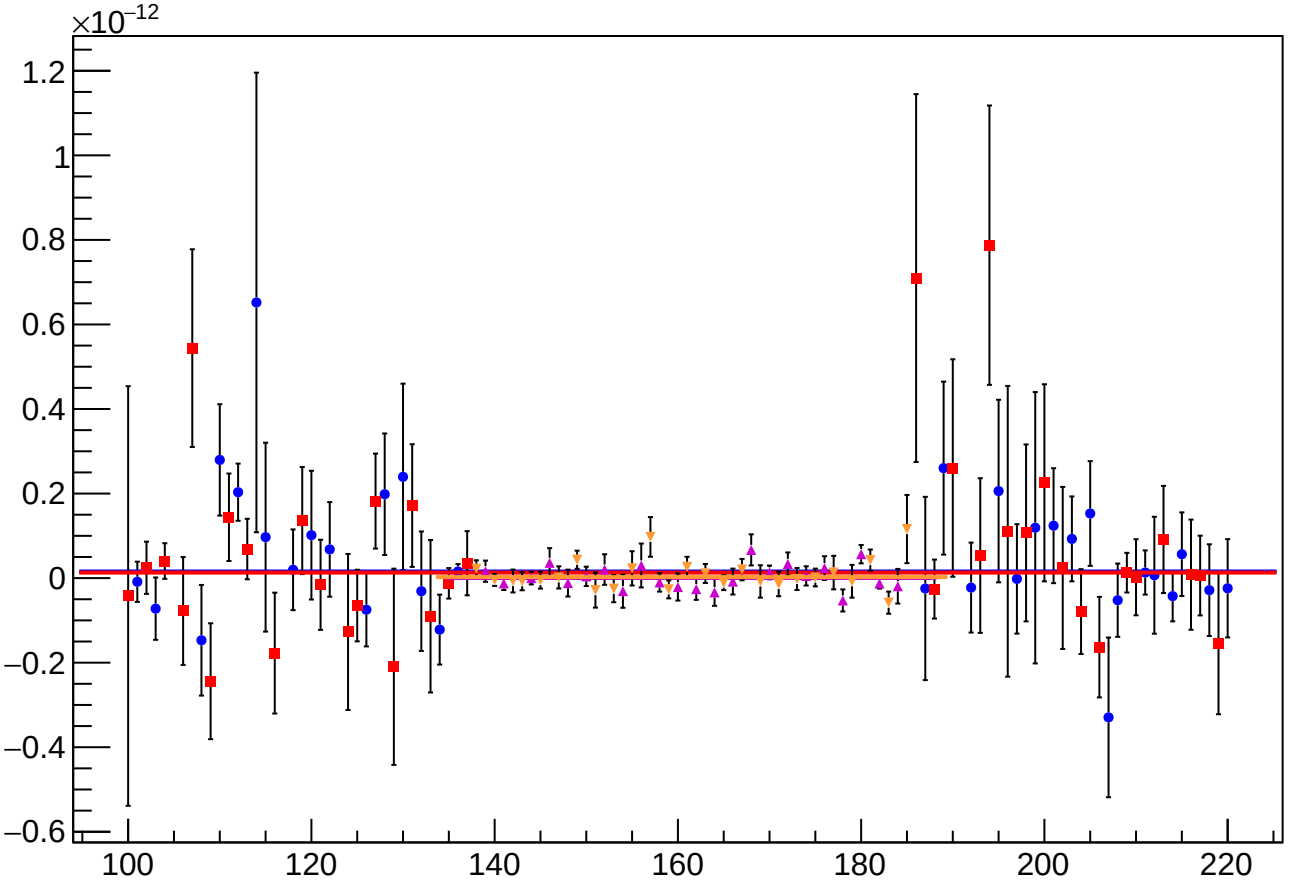
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1582.867+/-0.178 χ^2/NDF: 1508194.0/57

All: 1591.816+/-0.127 χ^2/NDF: 2749857.7/11

- sign 1601.171+/-0.182 χ^2/NDF: 1236482.9/58

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 33.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/35

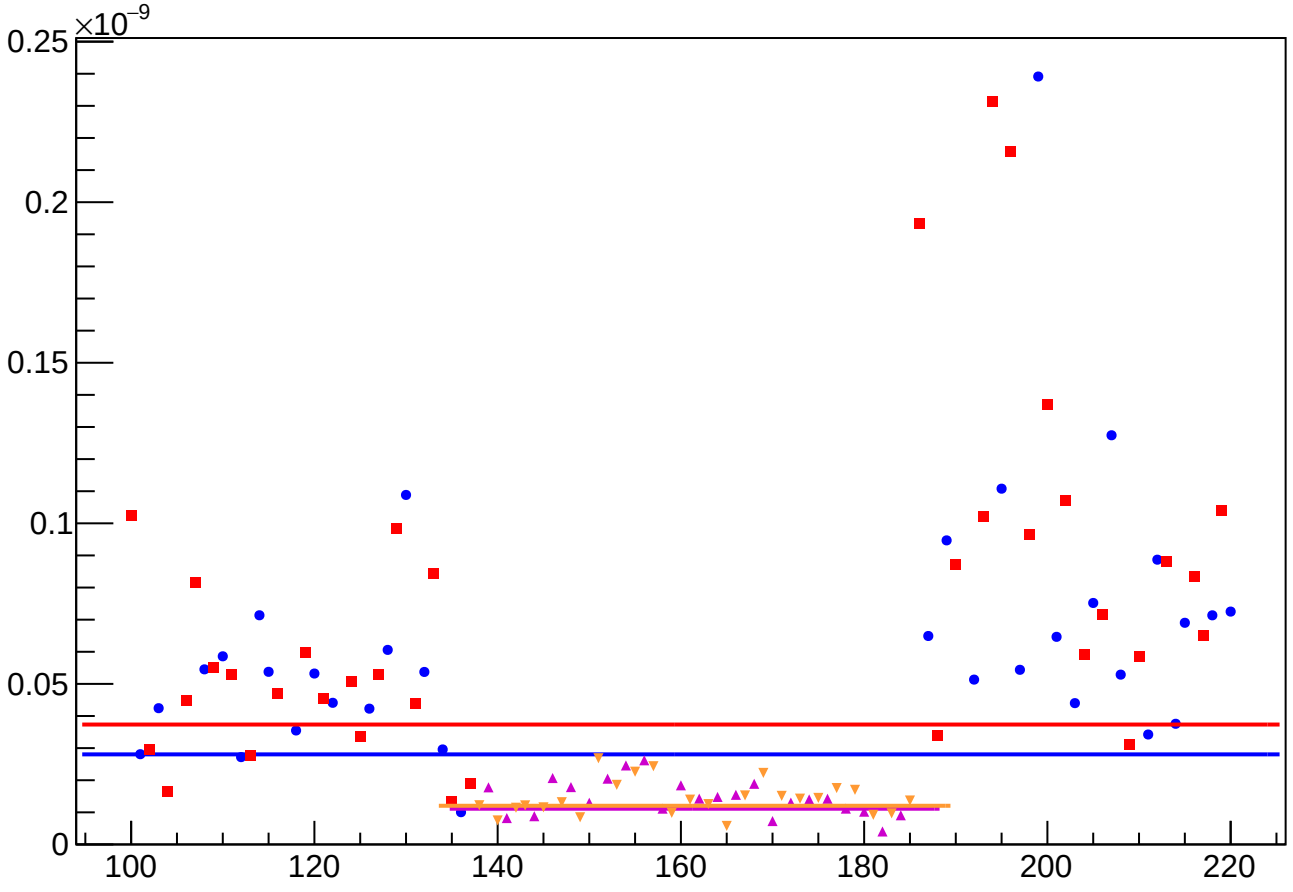
Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.3/57

All: 0.000+/-0.000 χ^2/NDF: 122.3/116

- sign 0.000+/-0.000 χ^2/NDF: 61.8/58

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7225247.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

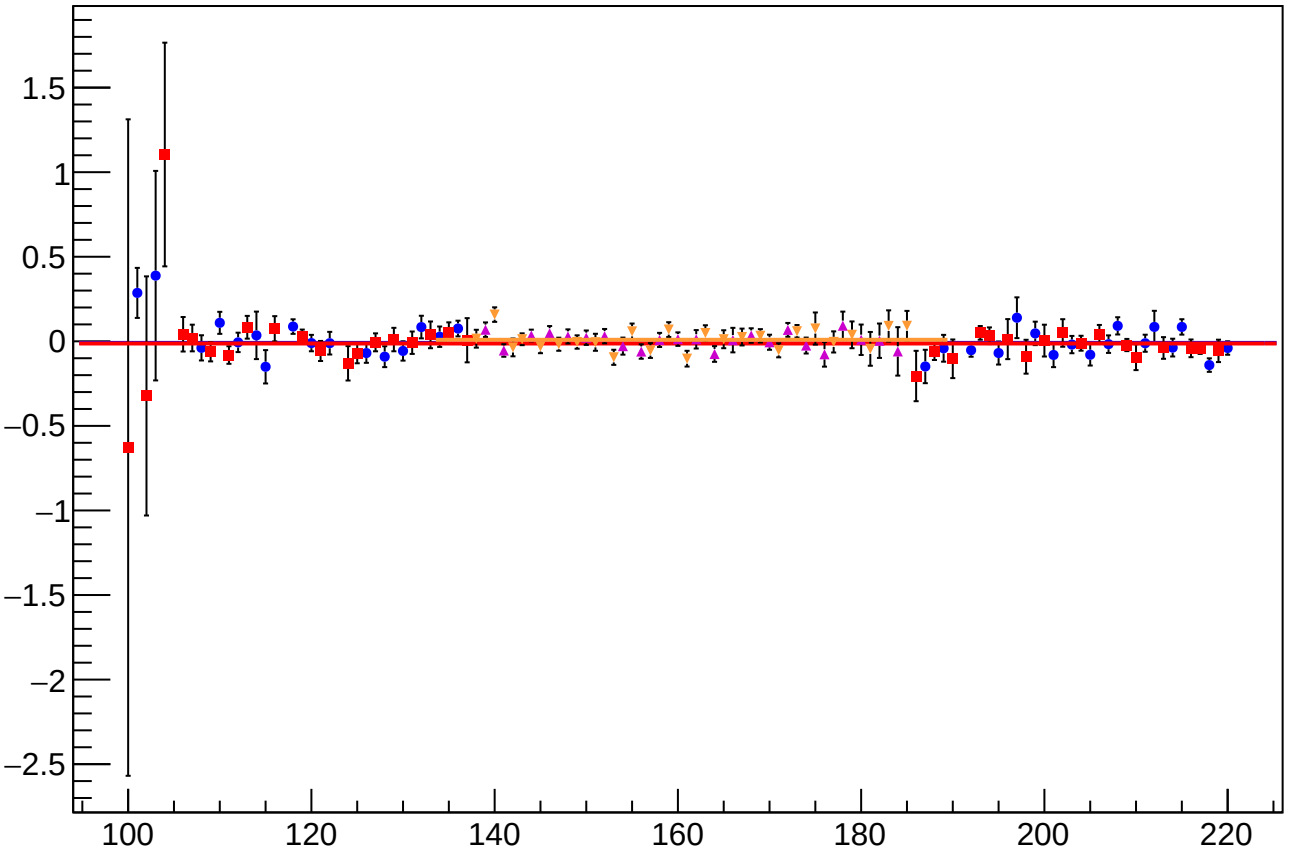
Right Out: 0.000+/-0.000 χ^2/NDF: 6255143.6/35

Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11579865.8/57

All: 0.000+/-0.000 χ^2/NDF: 25212335.3/116

- sign 0.000+/-0.000 χ^2/NDF: 13602639.1/58



Right In: -0.009+/-0.010 χ^2/NDF: 53.7/32

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.013+/-0.010 χ^2/NDF: 26.7/35

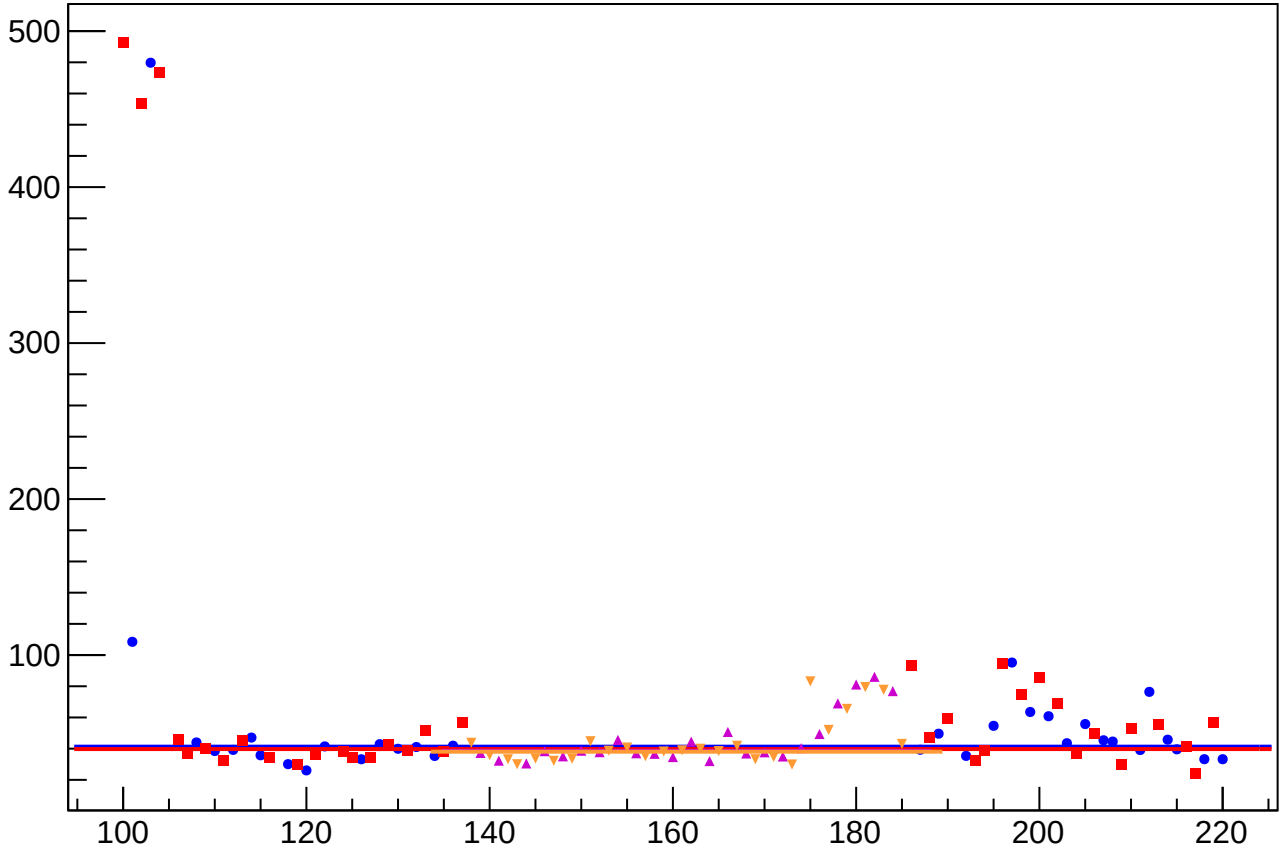
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.000+/-0.007 χ^2/NDF: 94.0/57

All: -0.001+/-0.005 χ^2/NDF: 141.7/116

- sign -0.002+/-0.007 χ^2/NDF: 47.7/58

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.274+/-0.007 χ^2/NDF: 3309561.2/32

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

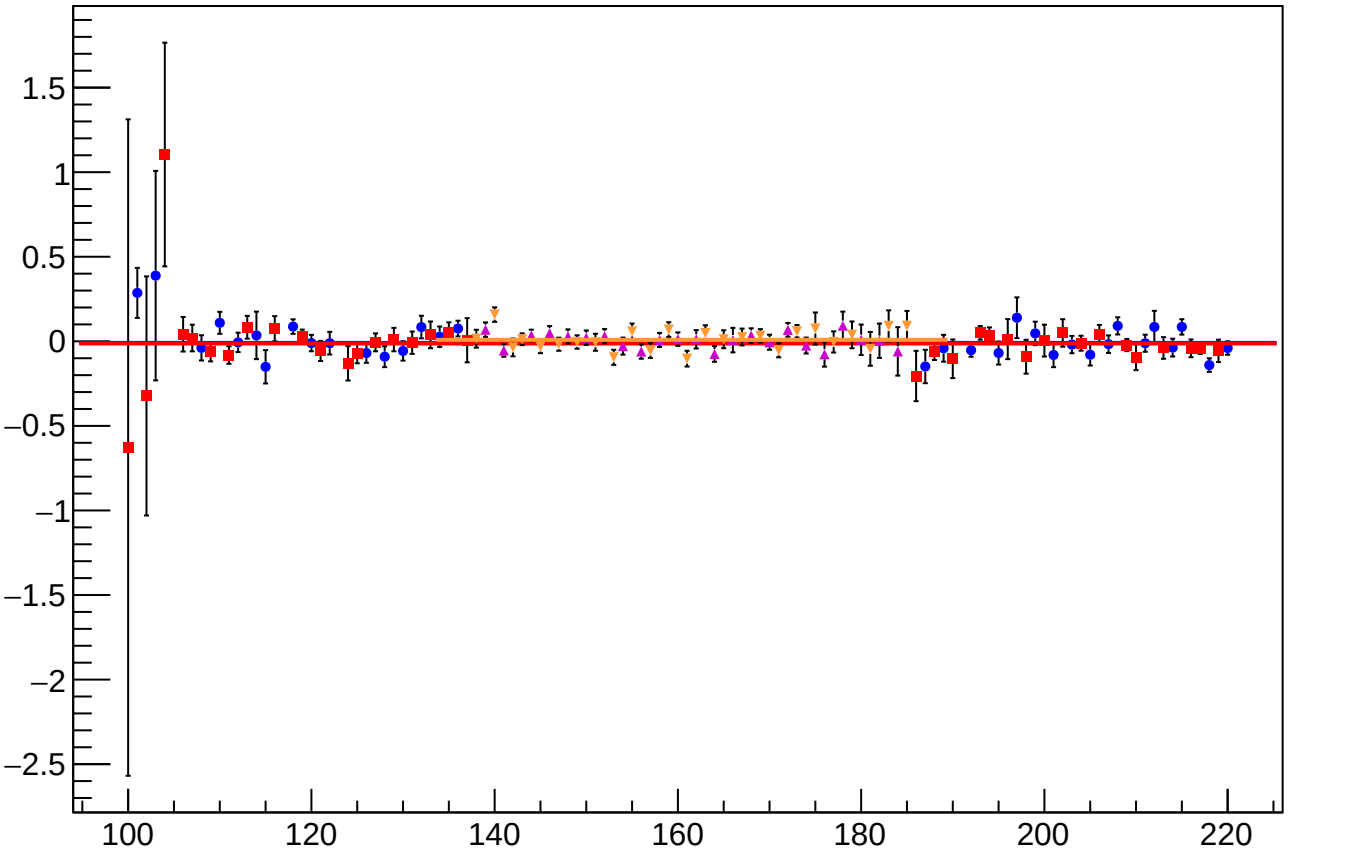
Right Out: 39.748+/-0.007 χ^2/NDF: 4850745.9/35

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 39.562+/-0.005 χ^2/NDF: 5381370.5/57

All: 39.370+/-0.004 χ^2/NDF: 11975148.6/116

\- sign 39.169+/-0.005 χ^2/NDF: 6590675.7/58



Right In: -0.009+/-0.010 χ^2/NDF: 53.7/32

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.013+/-0.010 χ^2/NDF: 26.7/35

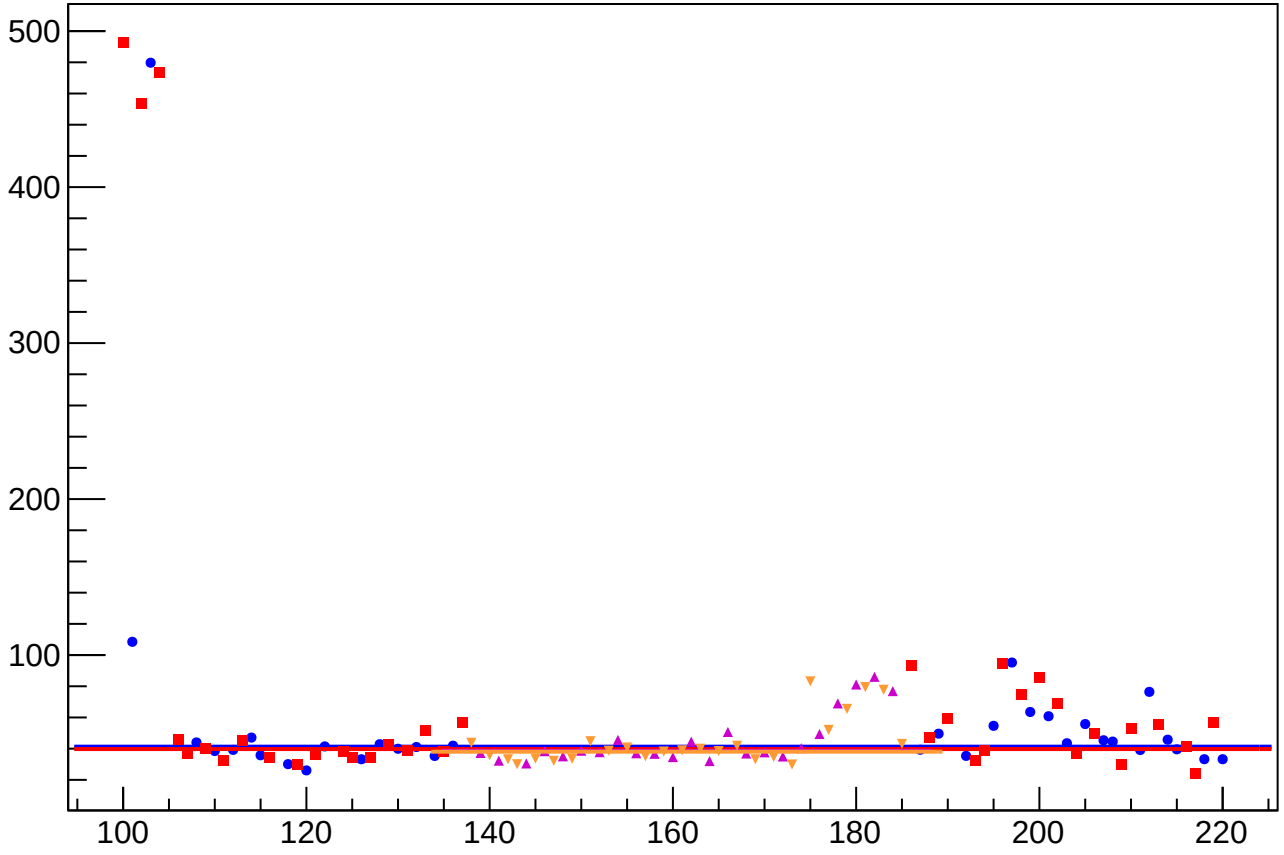
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.000+/-0.007 χ^2/NDF: 94.0/57

All: -0.001+/-0.005 χ^2/NDF: 141.7/116

- sign -0.002+/-0.007 χ^2/NDF: 47.7/58

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.274+/-0.007 χ^2/NDF: 3309561.2/32

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

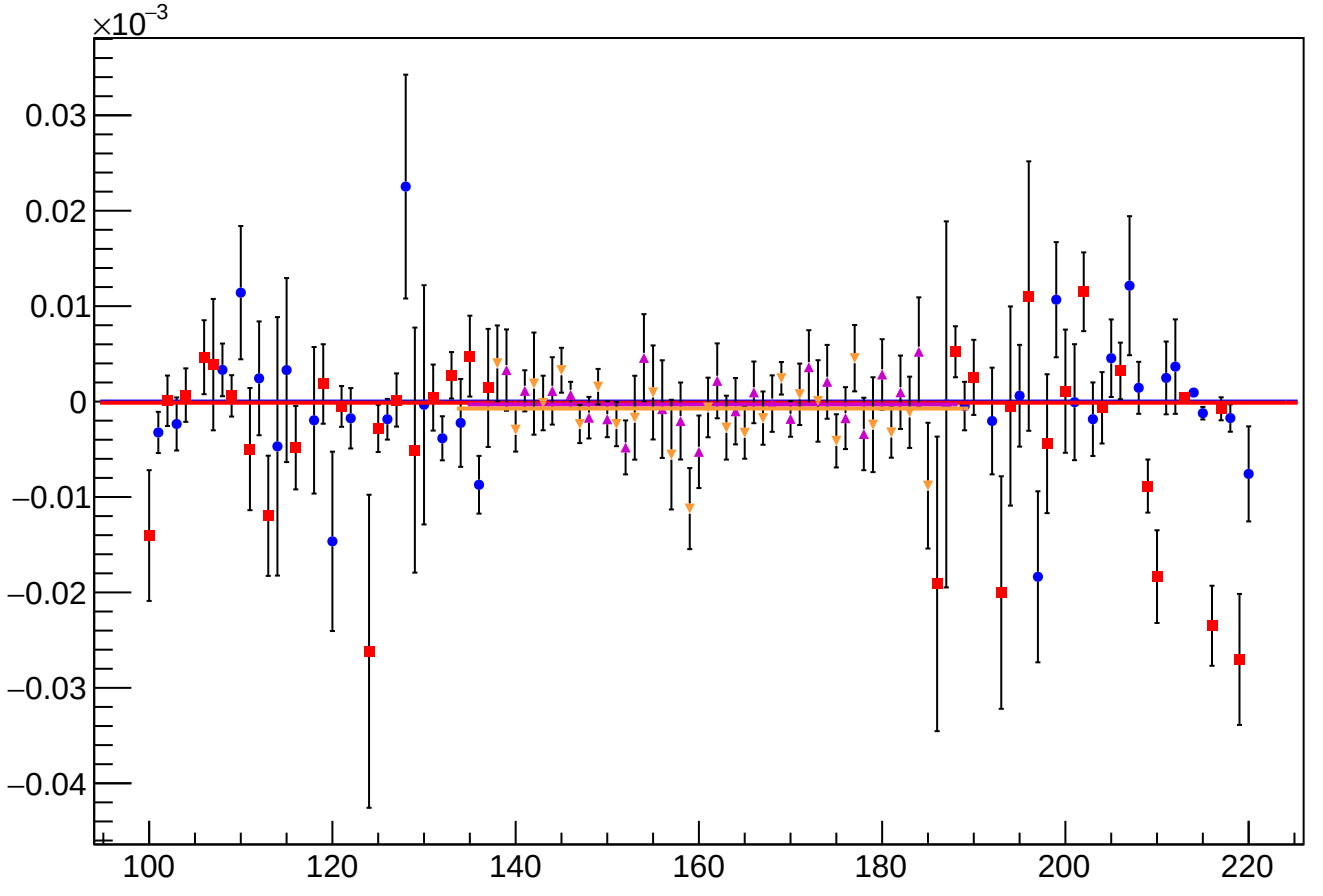
Right Out: 39.748+/-0.007 χ^2/NDF: 4850745.9/35

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 39.562+/-0.005 χ^2/NDF: 5381370.5/57

All: 39.370+/-0.004 χ^2/NDF: 11975148.6/116

\- sign 39.169+/-0.005 χ^2/NDF: 6590675.7/58



Right In: 0.000+/-0.000 χ^2/NDF: 51.7/32

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

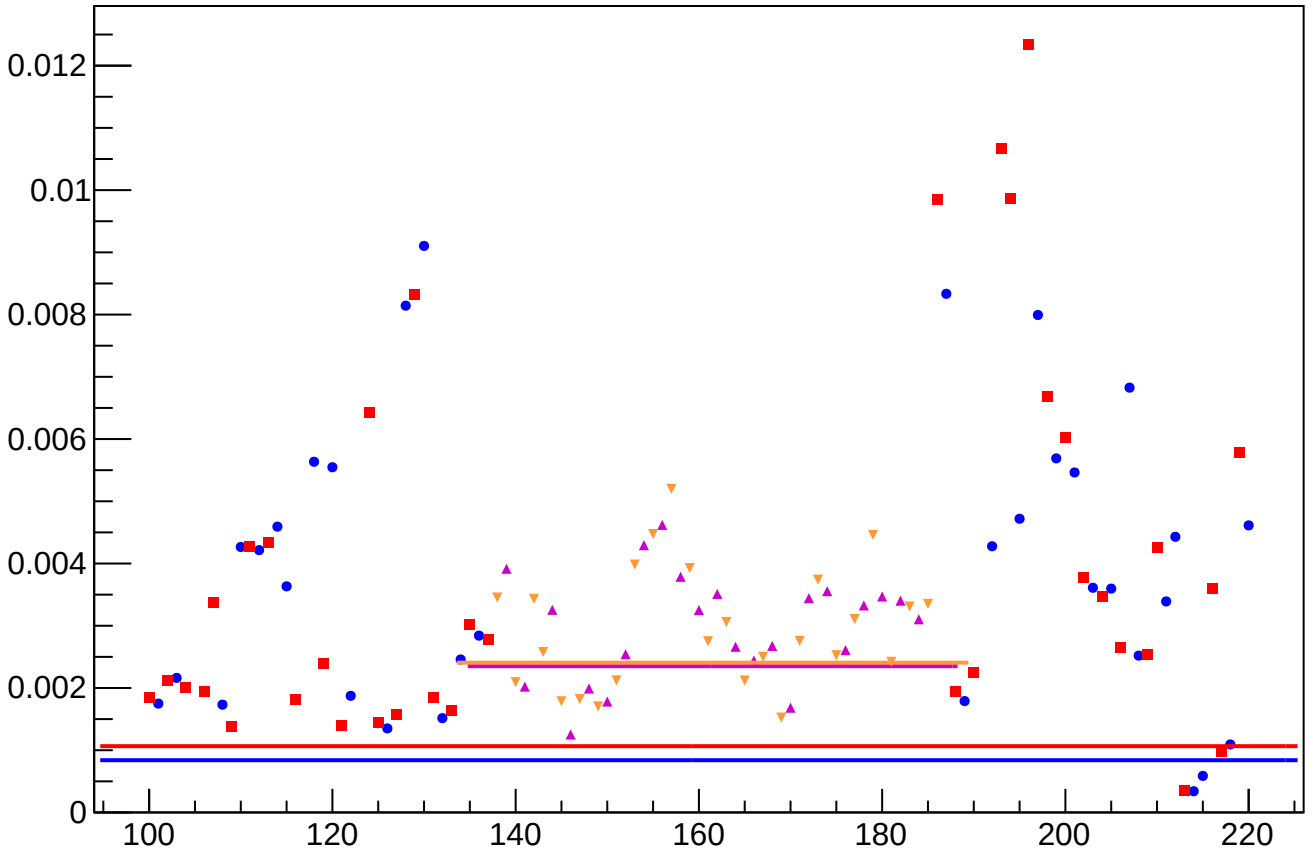
Right Out: -0.000+/-0.000 χ^2/NDF: 109.3/35

Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.5/57

All: -0.000+/-0.000 χ^2/NDF: 202.6/116

- sign -0.000+/-0.000 χ^2/NDF: 123.1/58



Right In: 0.001+/-0.000 χ^2/NDF: 23687660.6/32

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

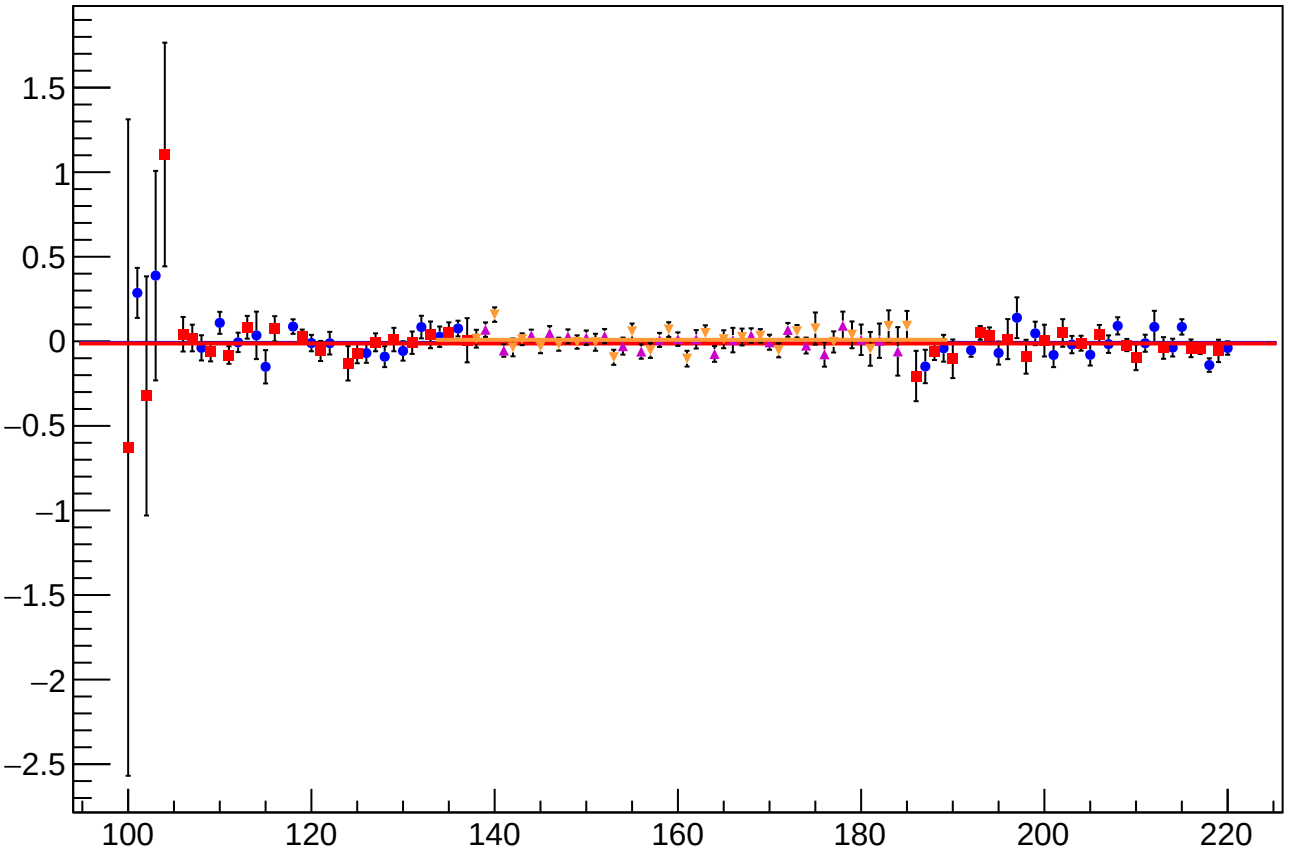
Right Out: 0.001+/-0.000 χ^2/NDF: 21085674.8/35

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 38727126.6/57

All: 0.001+/-0.000 χ^2/NDF: 71730647.3/116

- sign 0.001+/-0.000 χ^2/NDF: 32263216.9/58



Right In: -0.009+/-0.010 χ^2/NDF: 53.7/32

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.013+/-0.010 χ^2/NDF: 26.7/35

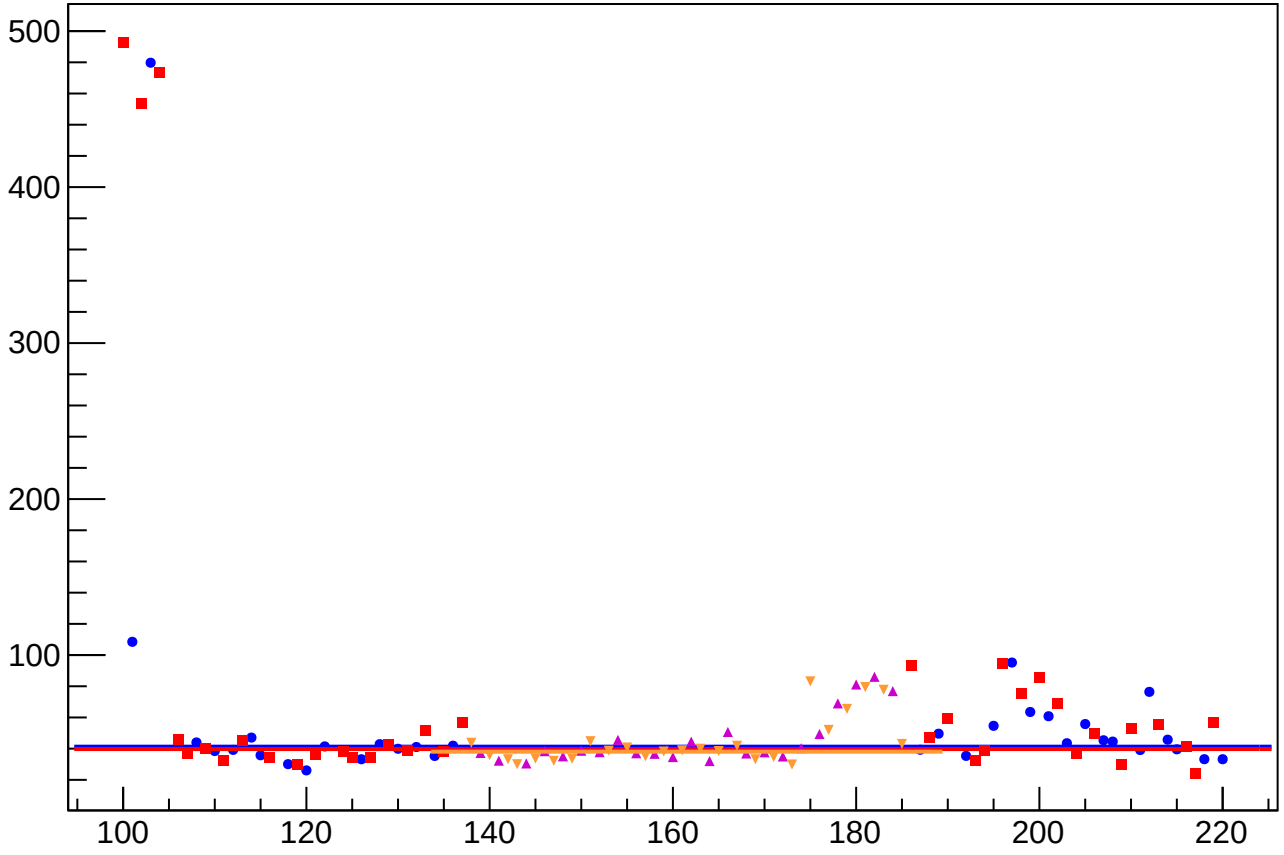
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.000+/-0.007 χ^2/NDF: 94.0/57

All: -0.001+/-0.005 χ^2/NDF: 141.7/116

- sign -0.002+/-0.007 χ^2/NDF: 47.7/58

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.273+/-0.007 χ^2/NDF: 3309833.6/32

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

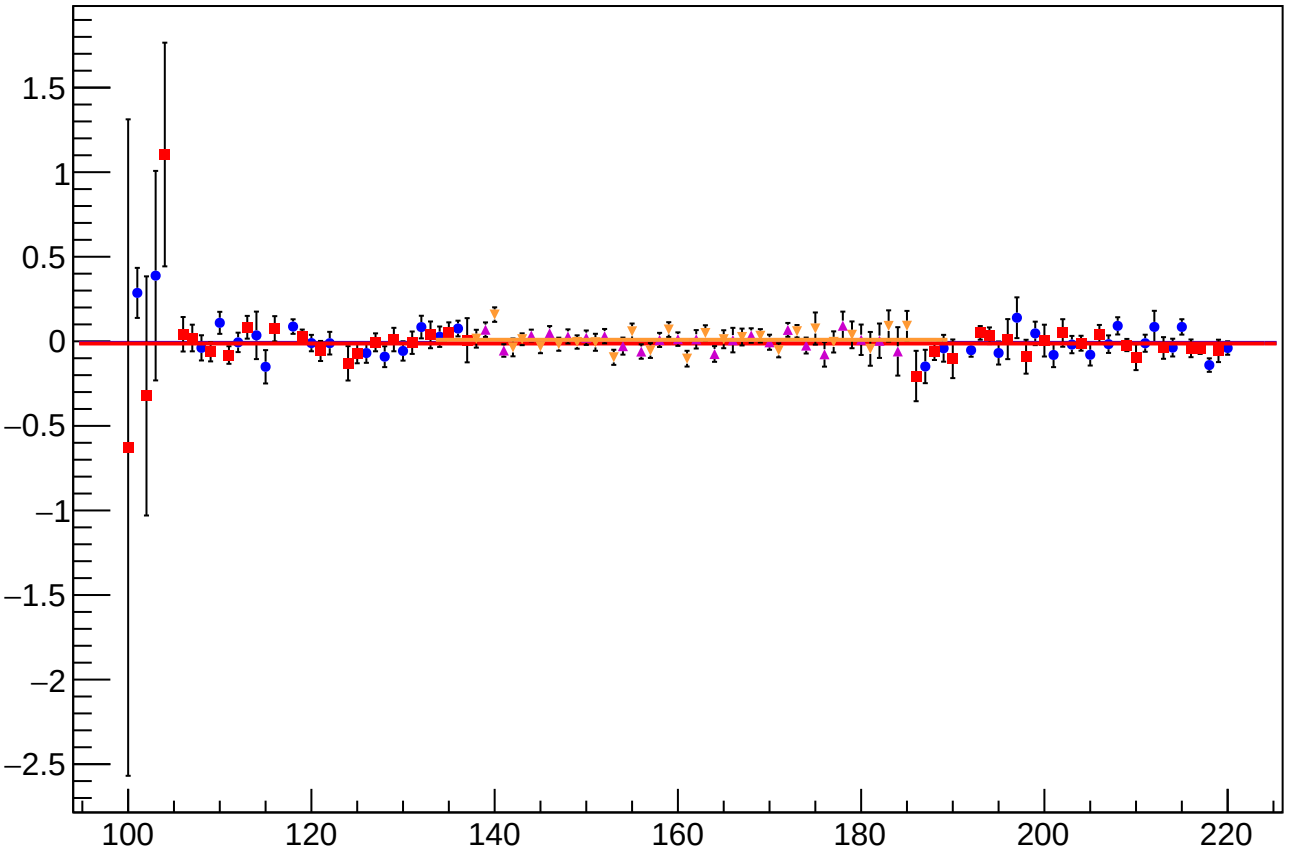
Right Out: 39.746+/-0.007 χ^2/NDF: 4851247.8/35

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.562+/-0.005 χ^2/NDF: 5381605.6/57

All: 39.369+/-0.004 χ^2/NDF: 11975886.0/116

- sign 39.168+/-0.005 χ^2/NDF: 6591161.3/58



Right In: -0.009+/-0.010 χ^2/NDF: 53.7/32

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

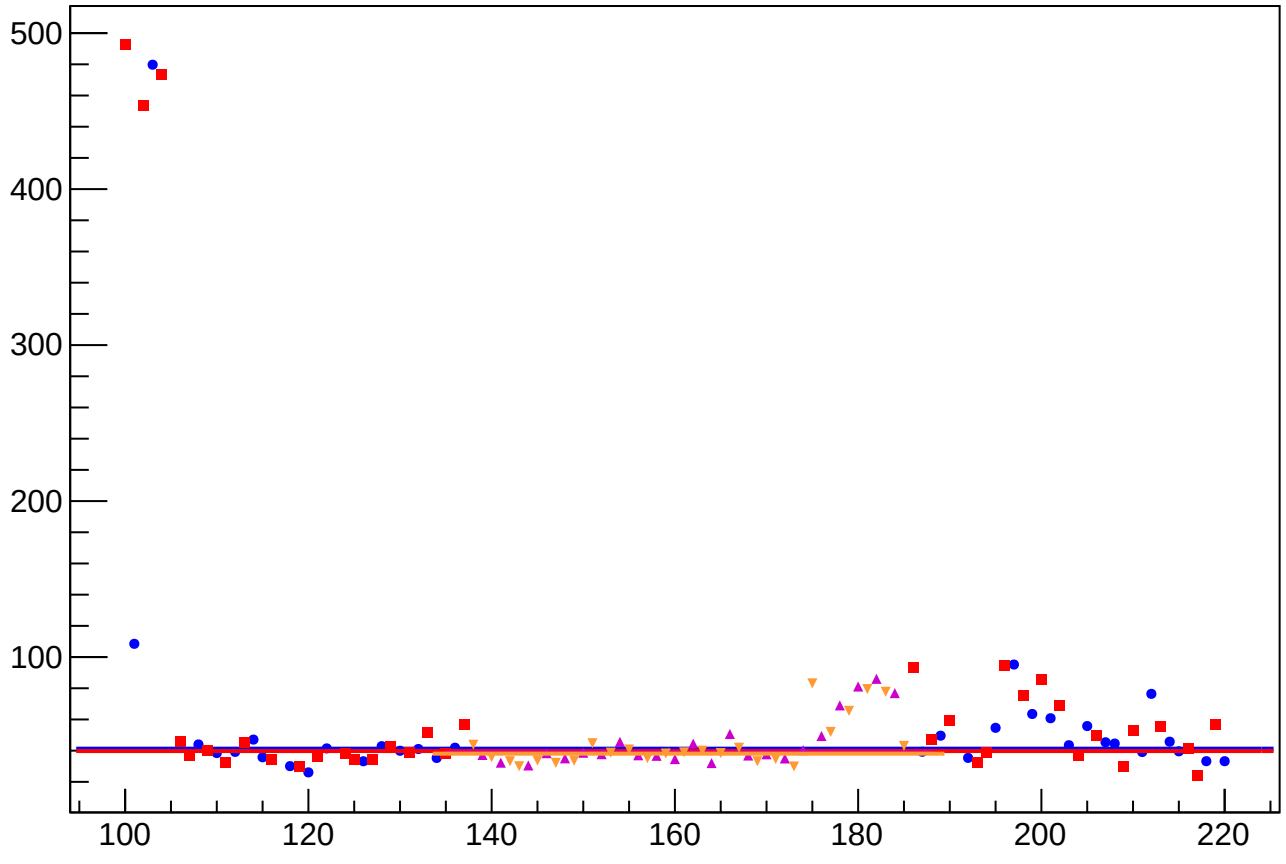
Right Out: -0.013+/-0.010 χ^2/NDF: 26.7/35

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.000+/-0.007 χ^2/NDF: 94.0/57

All: -0.001+/-0.005 χ^2/NDF: 141.7/116

- sign -0.002+/-0.007 χ^2/NDF: 47.7/58



Right In: 41.273+/-0.007 χ^2/NDF: 3309833.6/32

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

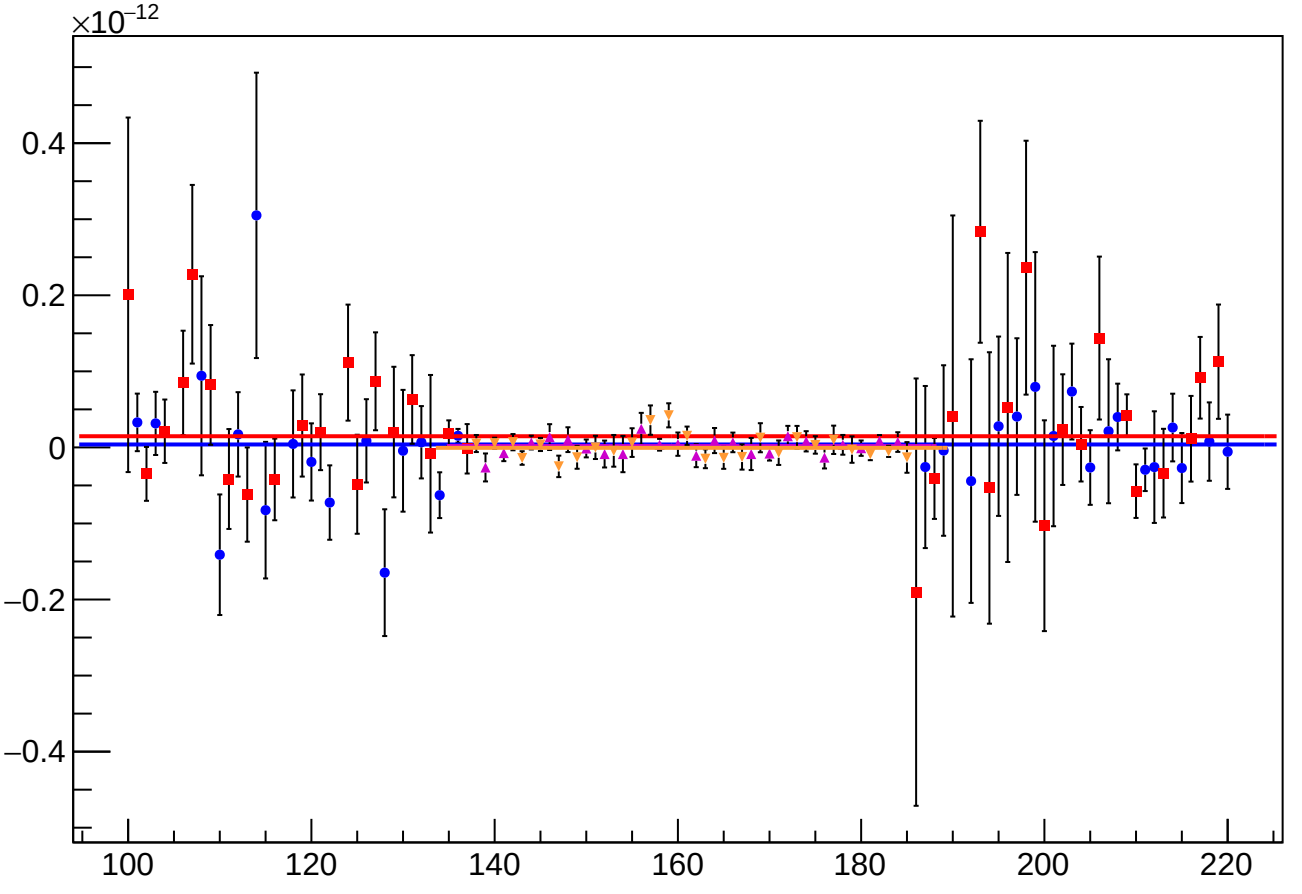
Right Out: 39.746+/-0.007 χ^2/NDF: 4851247.8/35

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.562+/-0.005 χ^2/NDF: 5381605.6/57

All: 39.369+/-0.004 χ^2/NDF: 11975886.0/116

- sign 39.168+/-0.005 χ^2/NDF: 6591161.3/58



Right In: 0.000+/-0.000 χ^2/NDF: 26.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

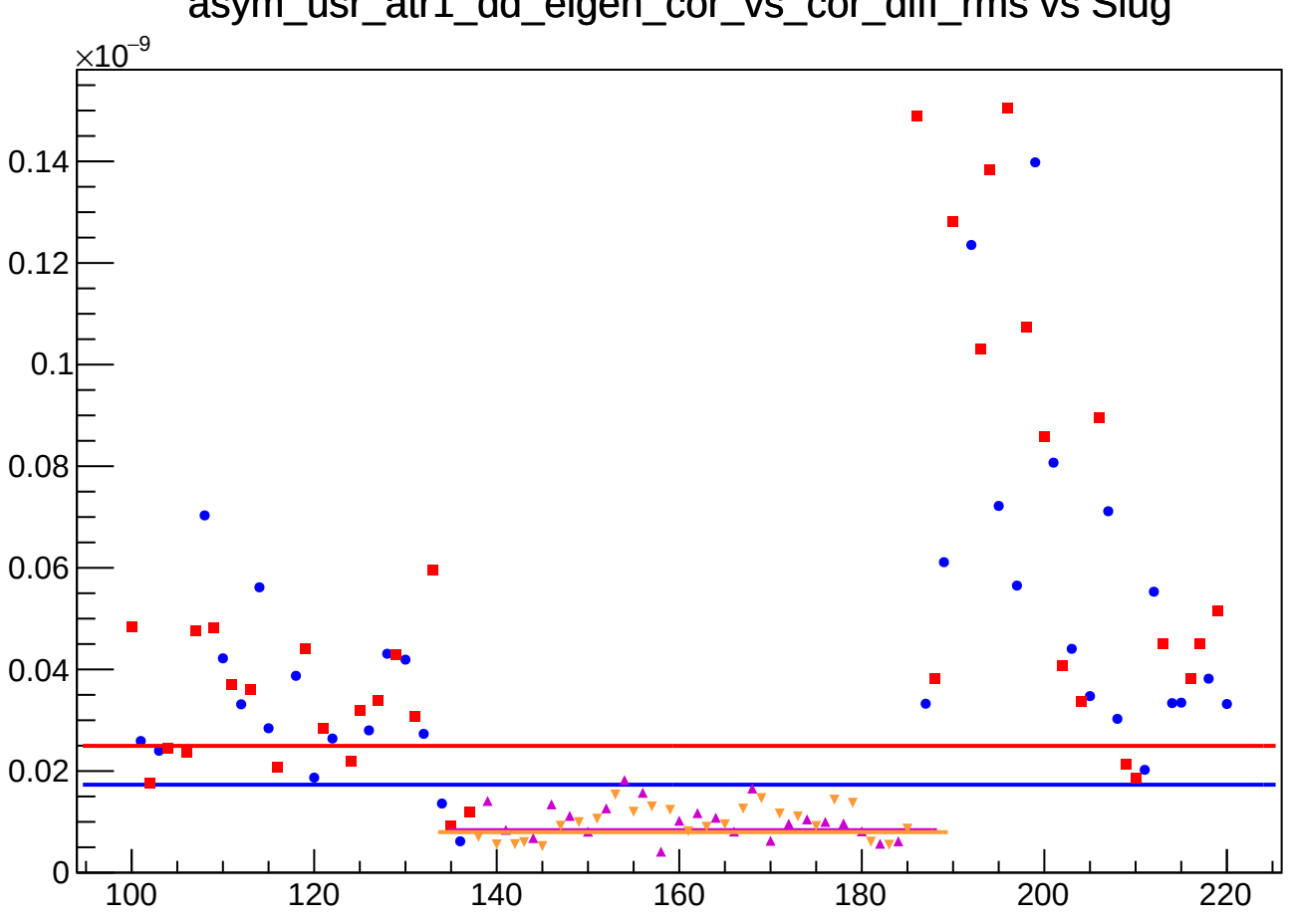
Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/35

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.2/57

All: 0.000+/-0.000 χ^2/NDF: 103.5/116

- sign 0.000+/-0.000 χ^2/NDF: 48.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 11369578.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8830571.2/35

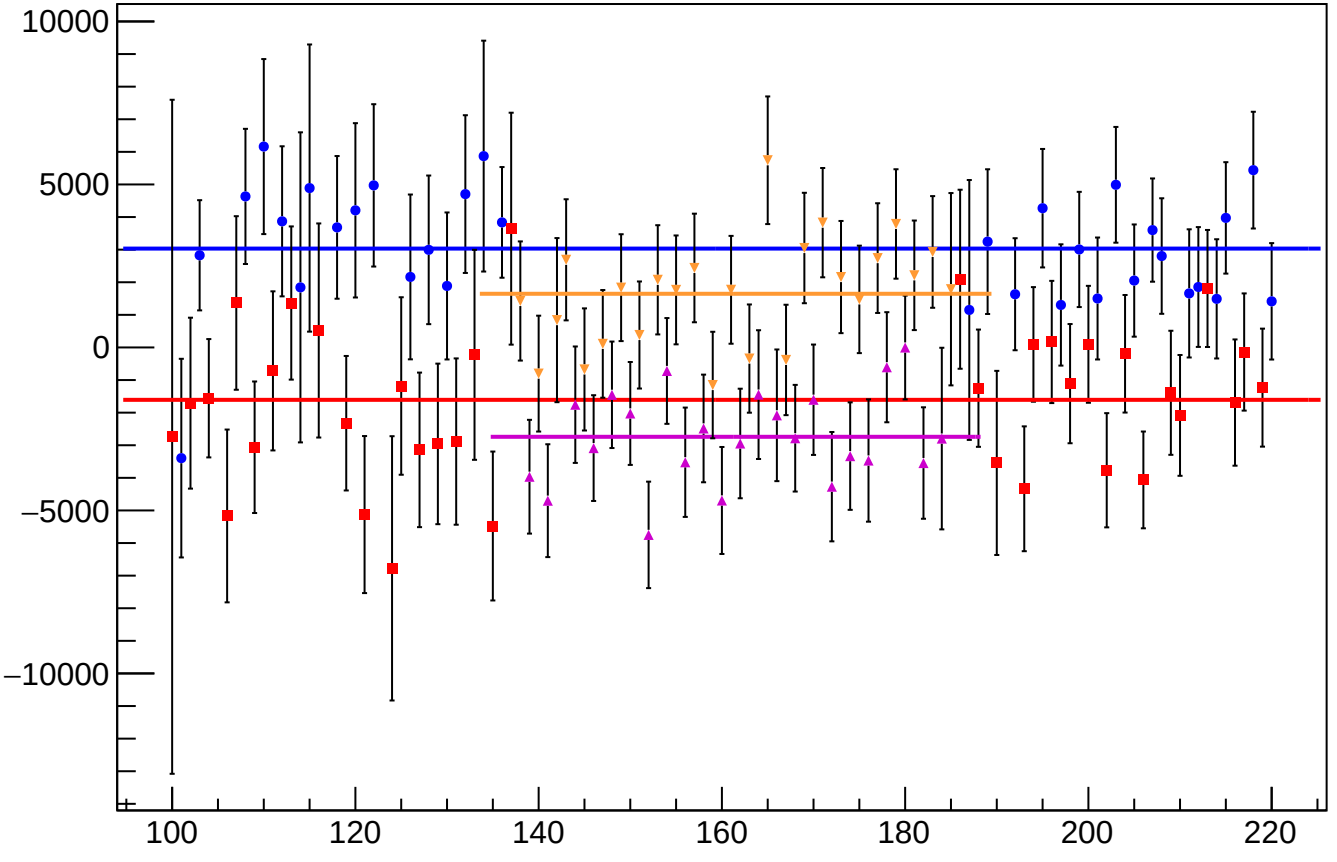
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 17670399.1/57

All: 0.000+/-0.000 χ^2/NDF: 36185898.9/116

- sign 0.000+/-0.000 χ^2/NDF: 18432092.1/58

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3032.679+/-358.907 χ^2/NDF: 18.5/32

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1607.070+/-358.038 χ^2/NDF: 32.3/35

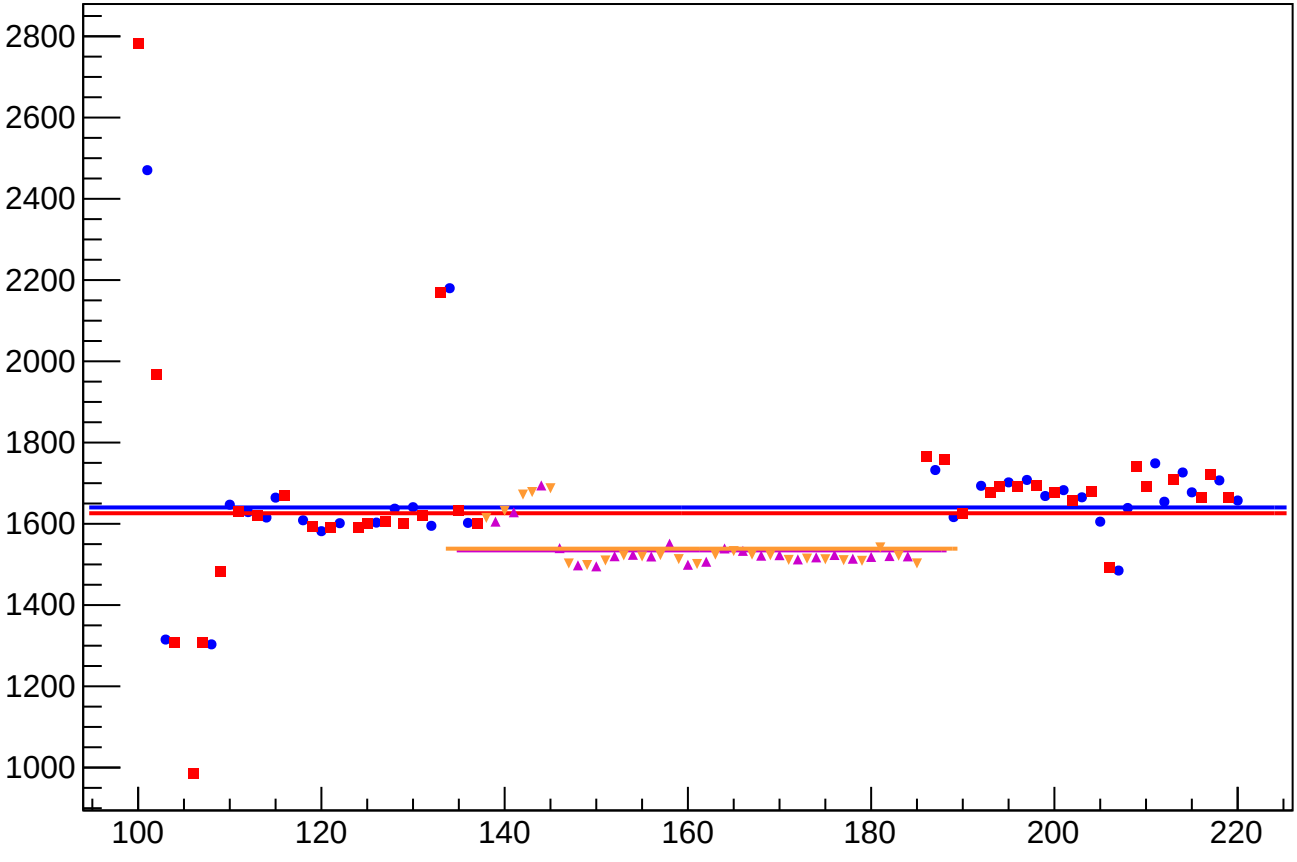
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2321.646+/-250.489 χ^2/NDF: 47.2/57

All: 99.413+/-178.115 χ^2/NDF: 260.2/116

- sign -2173.332+/-253.319 χ^2/NDF: 53.7/58

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1640.295+/-0.254 χ^2/NDF: 370742.2/32

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1626.014+/-0.252 χ^2/NDF: 482617.4/35

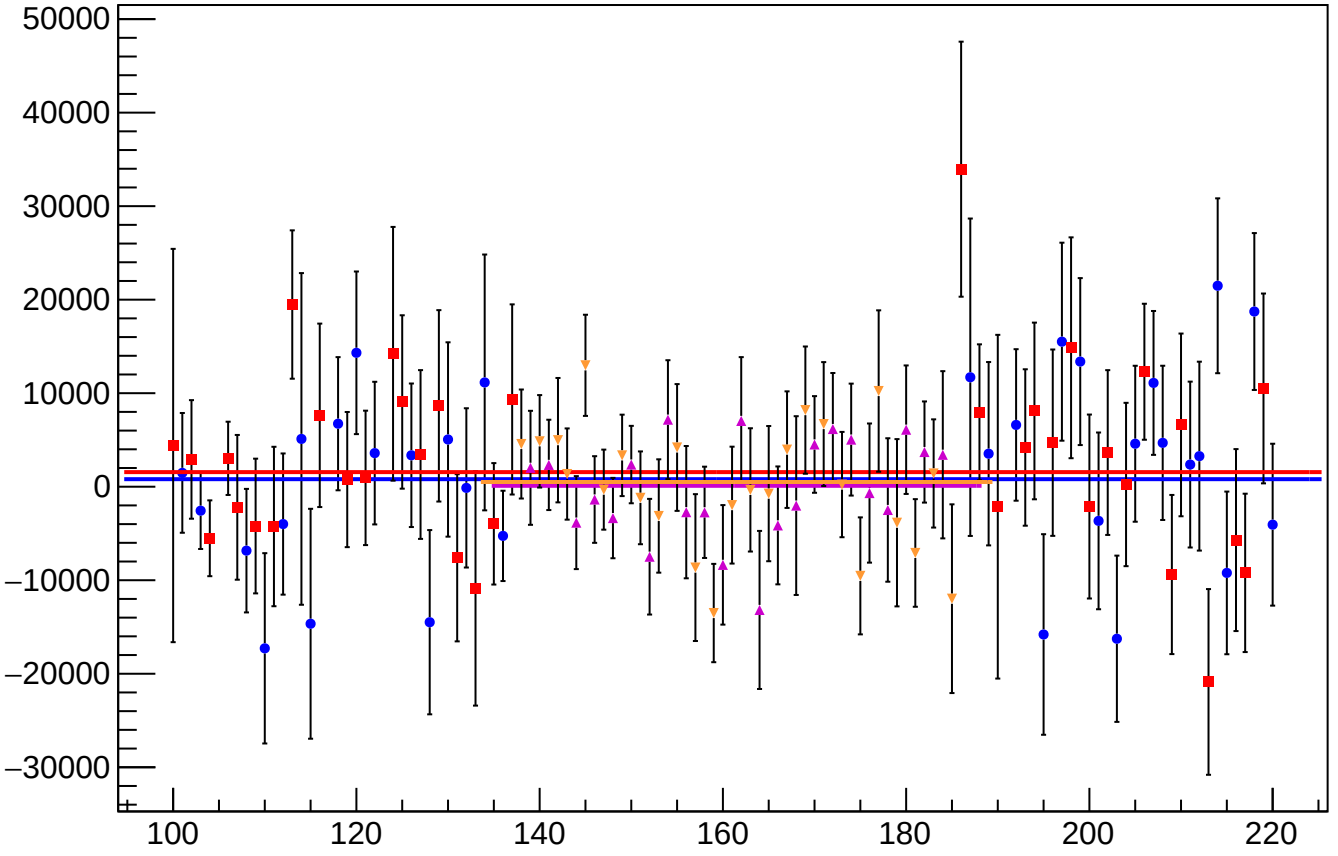
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1588.242+/-0.177 χ^2/NDF: 499816.5/57

All: 1584.480+/-0.126 χ^2/NDF: 1079964.6/11

- sign 1580.656+/-0.179 χ^2/NDF: 579238.3/58

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: 805.916+/-1419.060 χ^2/NDF: 40.0/32

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 1561.006+/-1345.001 χ^2/NDF: 36.3/35

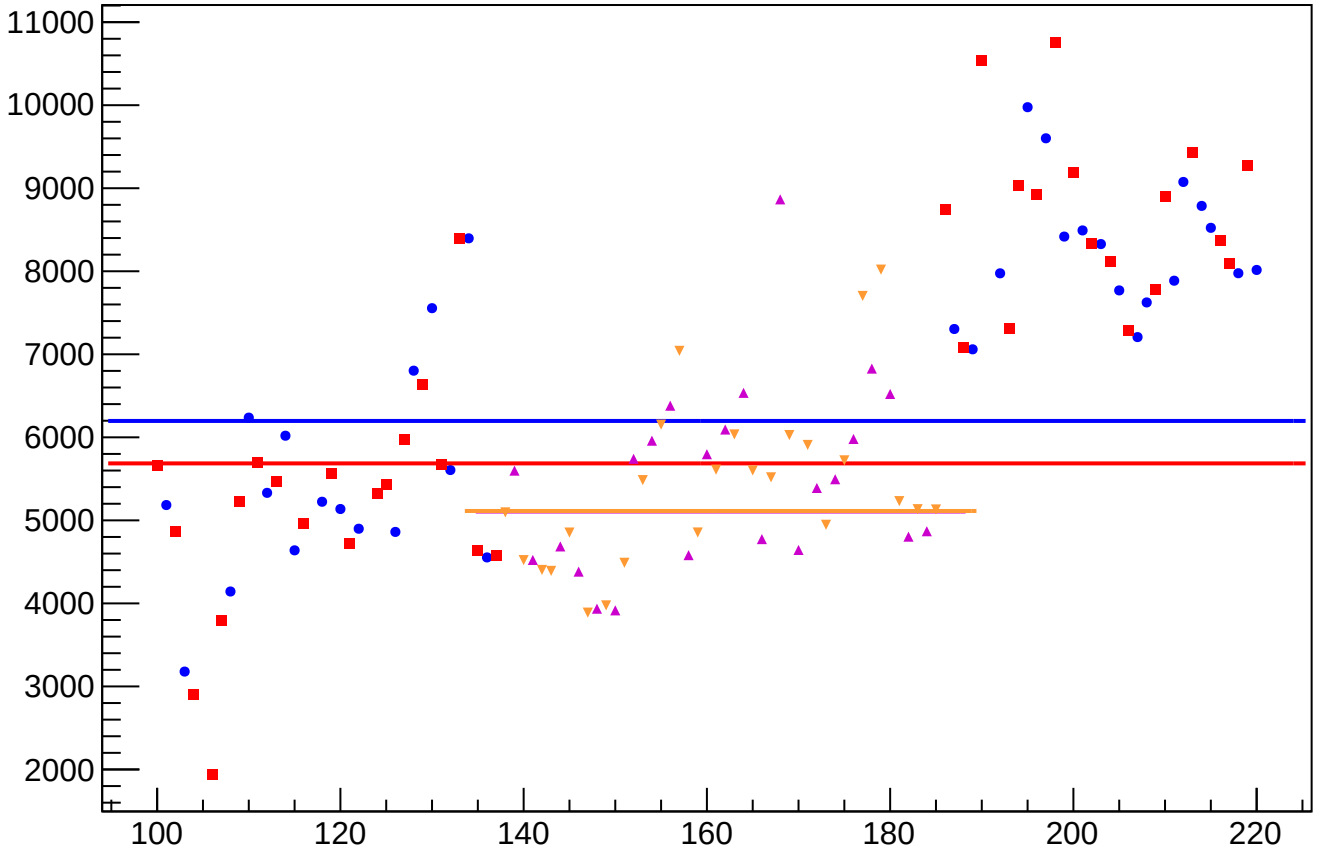
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign 628.232+/-910.610 χ^2/NDF: 66.8/57

All: 693.125+/-641.068 χ^2/NDF: 118.6/116

- sign 756.890+/-902.656 χ^2/NDF: 51.8/58

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 6197.311+/-1.003 χ^2/NDF: 3717419.3/32

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5686.033+/-0.951 χ^2/NDF: 6266422.2/35

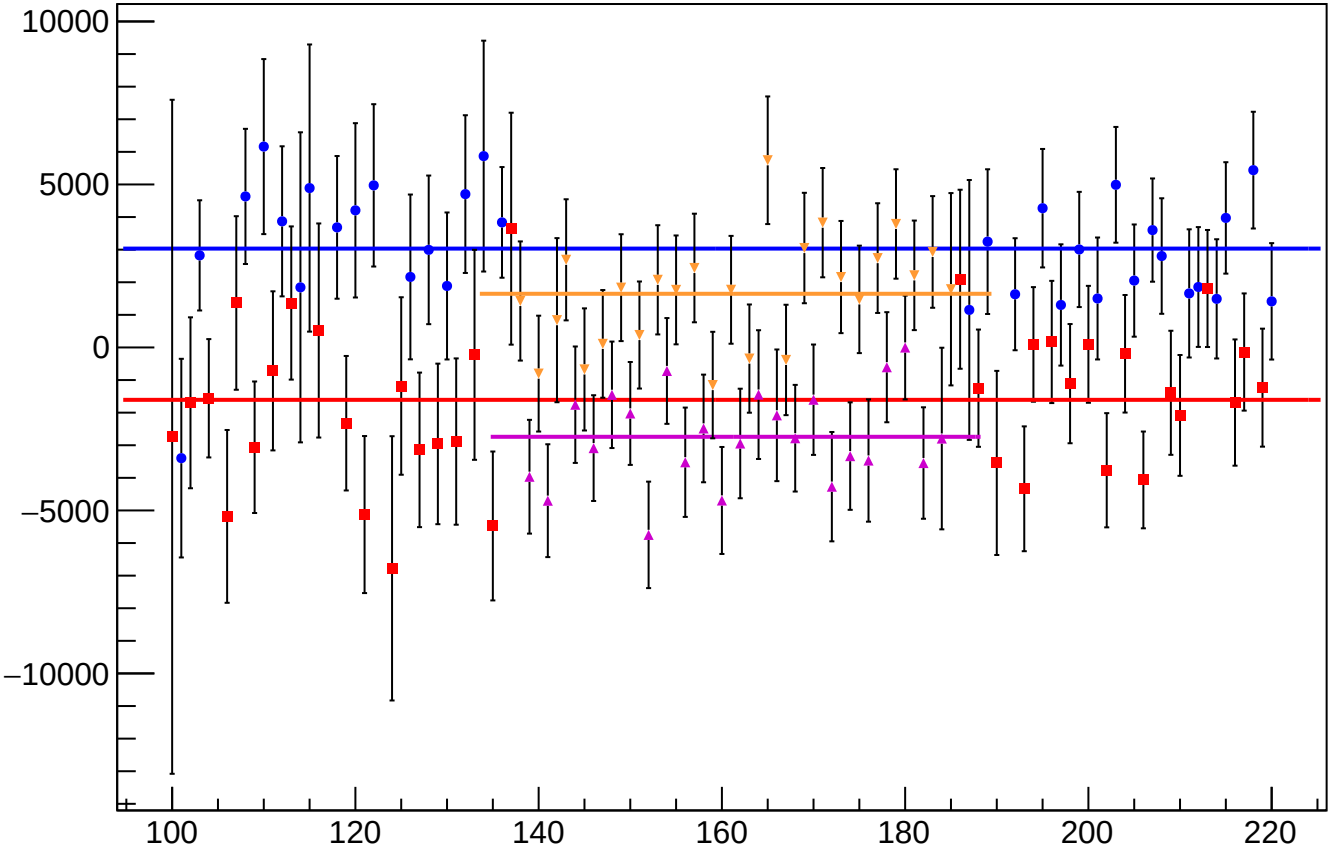
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5559.468+/-0.644 χ^2/NDF: 5563362.5/57

All: 5462.622+/-0.453 χ^2/NDF: 13330412.1/1

- sign 5367.460+/-0.638 χ^2/NDF: 7722198.9/58

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3032.562+/-358.907 χ^2/NDF: 18.5/32

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1607.117+/-358.038 χ^2/NDF: 32.3/35

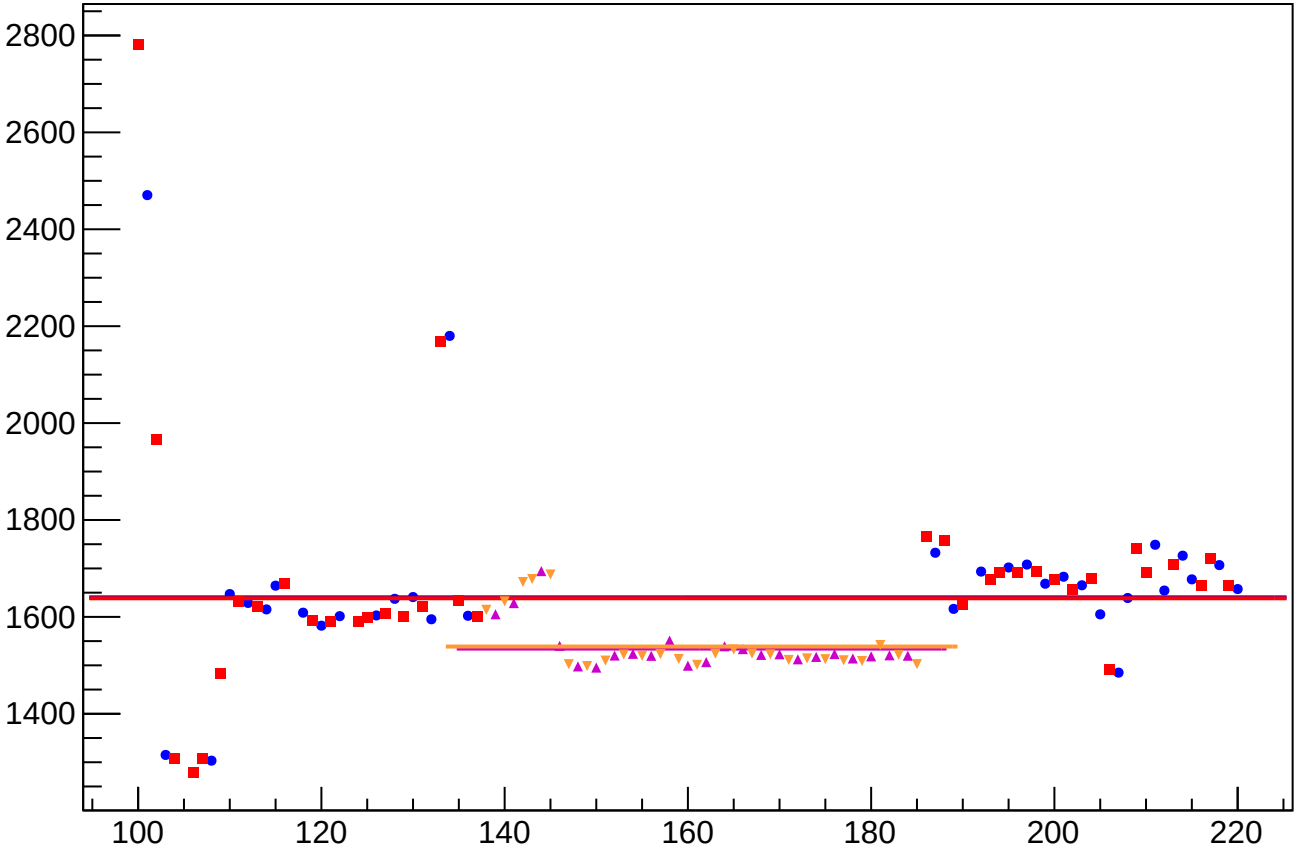
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2321.534+/-250.489 χ^2/NDF: 47.2/57

All: 99.371+/-178.115 χ^2/NDF: 260.2/116

- sign -2173.308+/-253.320 χ^2/NDF: 53.8/58

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1640.295+/-0.254 χ^2/NDF: 370741.2/32

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

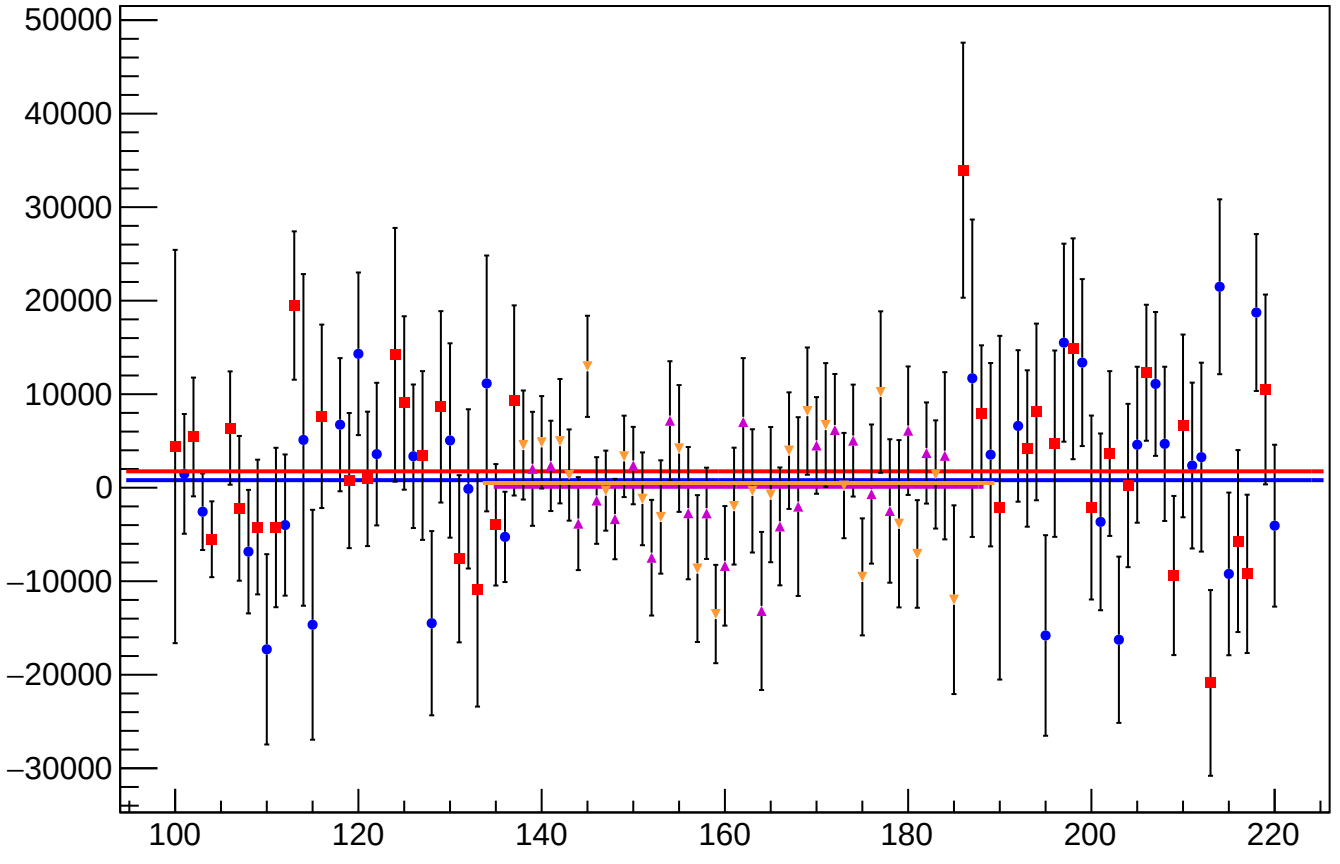
Right Out: 1638.404+/-0.253 χ^2/NDF: 322580.1/35

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1588.242+/-0.177 χ^2/NDF: 499815.6/57

All: 1587.453+/-0.126 χ^2/NDF: 937613.2/116

- sign 1586.646+/-0.179 χ^2/NDF: 437757.4/58



Right In: 805.867+/-1419.077 χ^2/NDF: 40.0/32

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 1750.332+/-1393.773 χ^2/NDF: 37.1/35

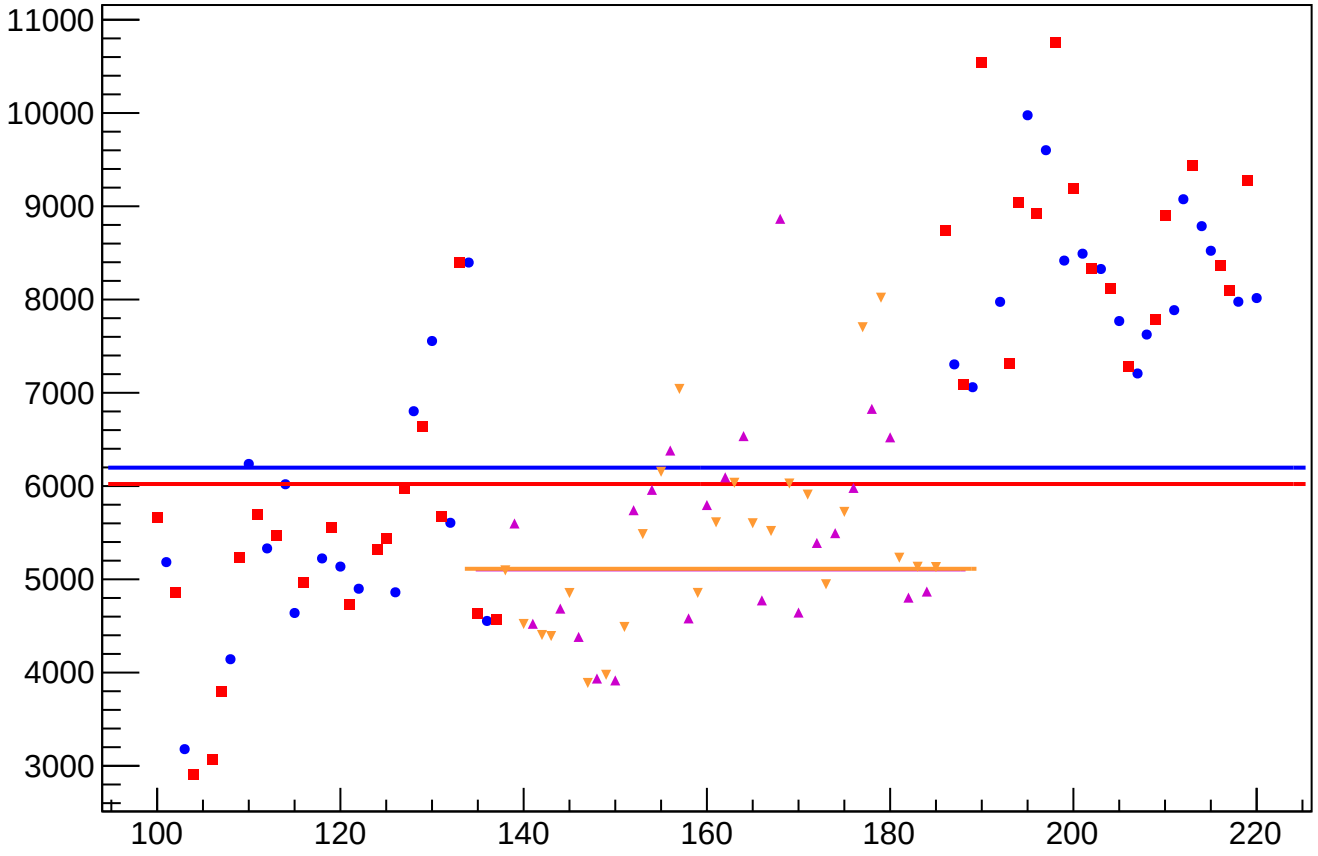
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 628.212+/-910.614 χ^2/NDF: 66.8/57

All: 720.037+/-646.136 χ^2/NDF: 119.6/116

- sign 813.149+/-916.967 χ^2/NDF: 52.8/58

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 6197.424+/-1.003 χ^2/NDF: 3716955.5/32

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 6021.975+/-0.986 χ^2/NDF: 4693392.2/35

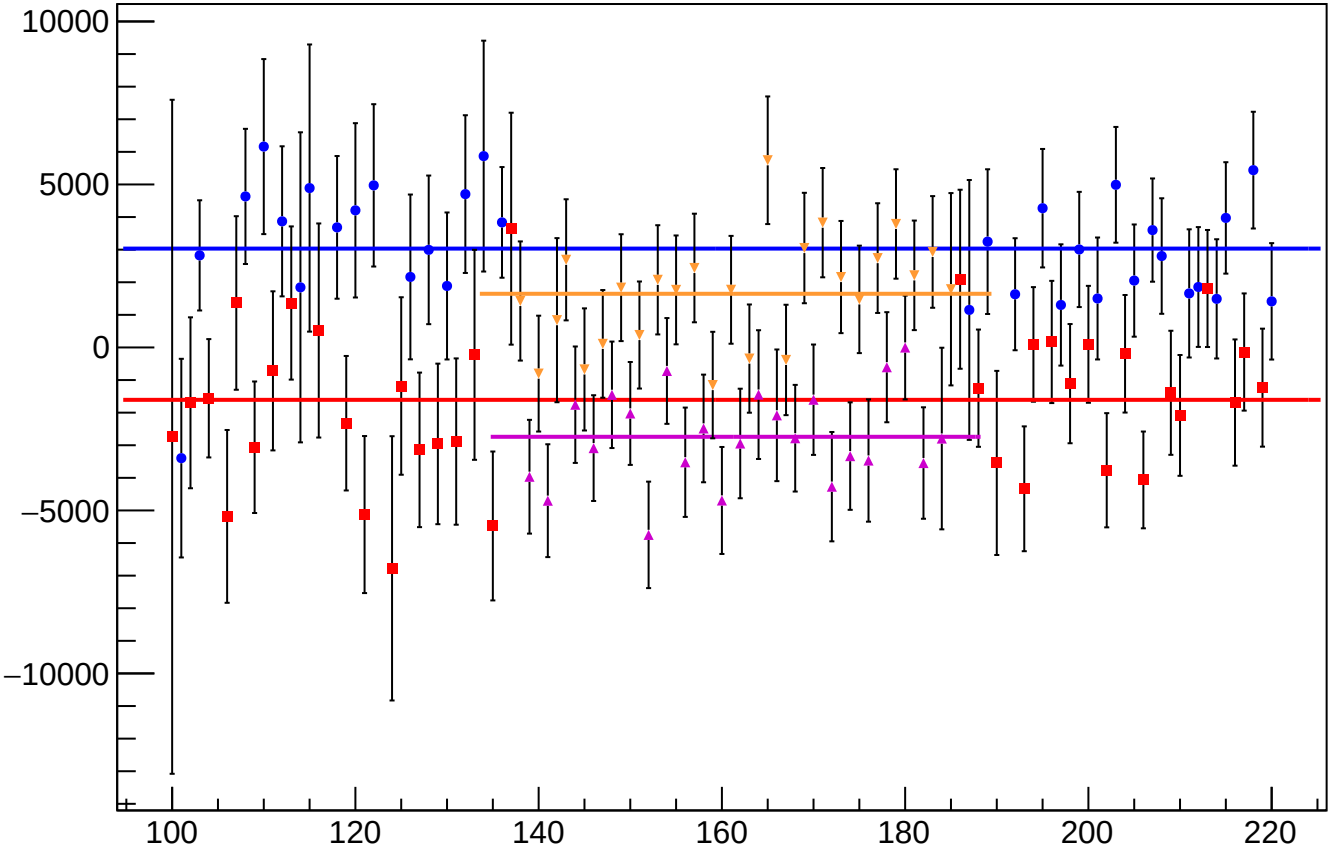
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5559.504+/-0.644 χ^2/NDF: 5563055.2/57

All: 5531.292+/-0.457 χ^2/NDF: 12001442.3/1

- sign 5502.684+/-0.648 χ^2/NDF: 6434520.7/58

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3032.562+/-358.907 χ^2/NDF: 18.5/32

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1607.117+/-358.038 χ^2/NDF: 32.3/35

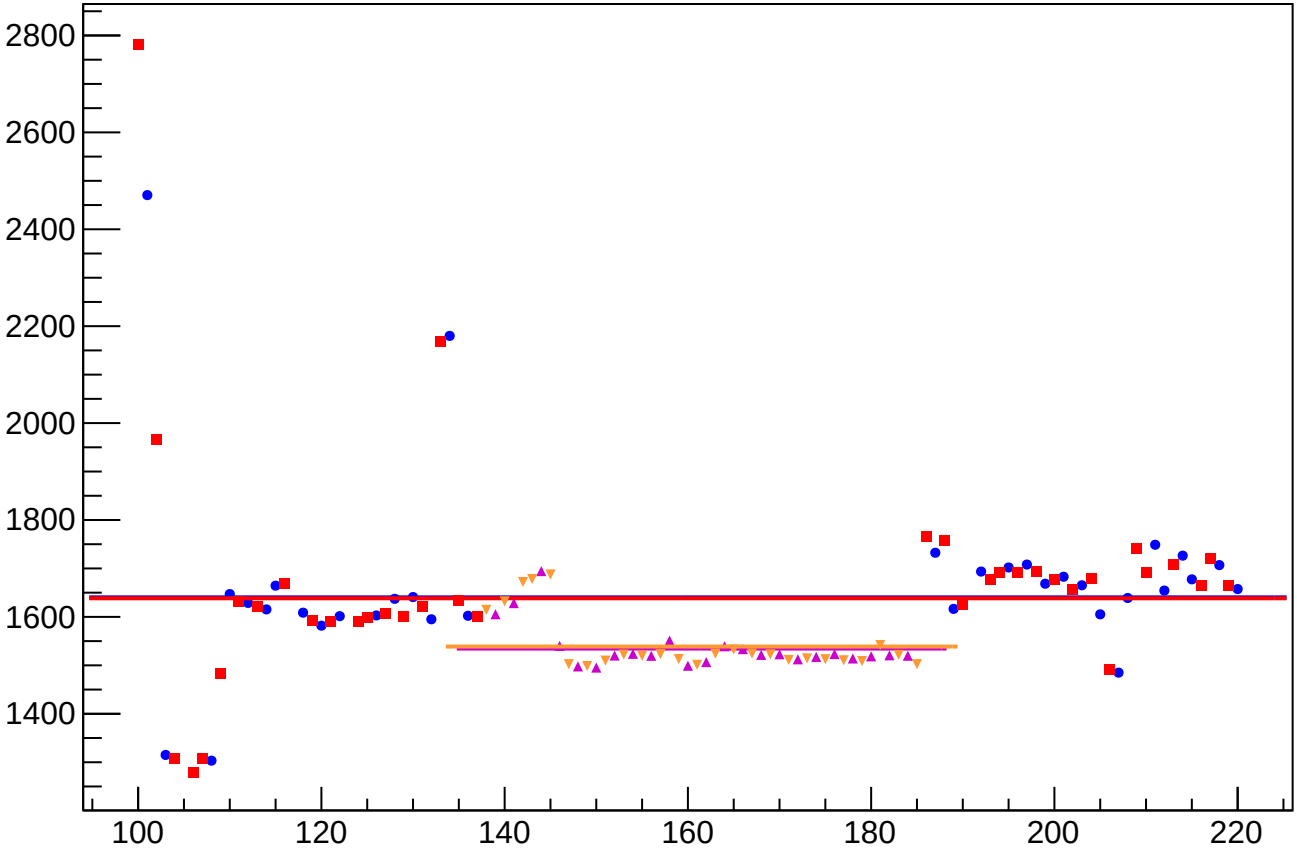
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2321.534+/-250.489 χ^2/NDF: 47.2/57

All: 99.371+/-178.115 χ^2/NDF: 260.2/116

- sign -2173.308+/-253.320 χ^2/NDF: 53.8/58

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1640.295+/-0.254 χ^2/NDF: 370741.2/32

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

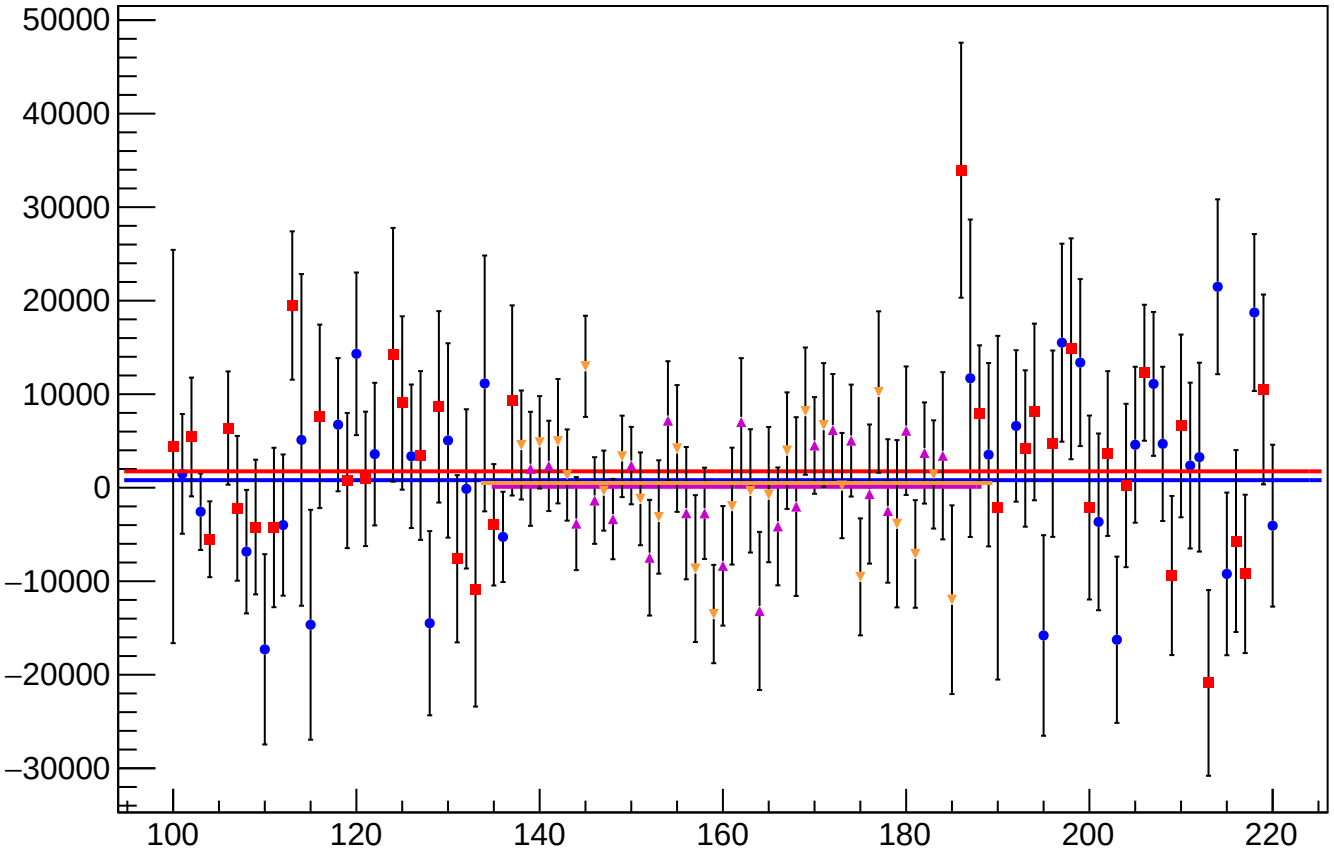
Right Out: 1638.404+/-0.253 χ^2/NDF: 322580.1/35

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1588.242+/-0.177 χ^2/NDF: 499815.6/57

All: 1587.453+/-0.126 χ^2/NDF: 937613.2/116

- sign 1586.646+/-0.179 χ^2/NDF: 437757.4/58



Right In: 805.867+/-1419.077 χ^2/NDF: 40.0/32

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

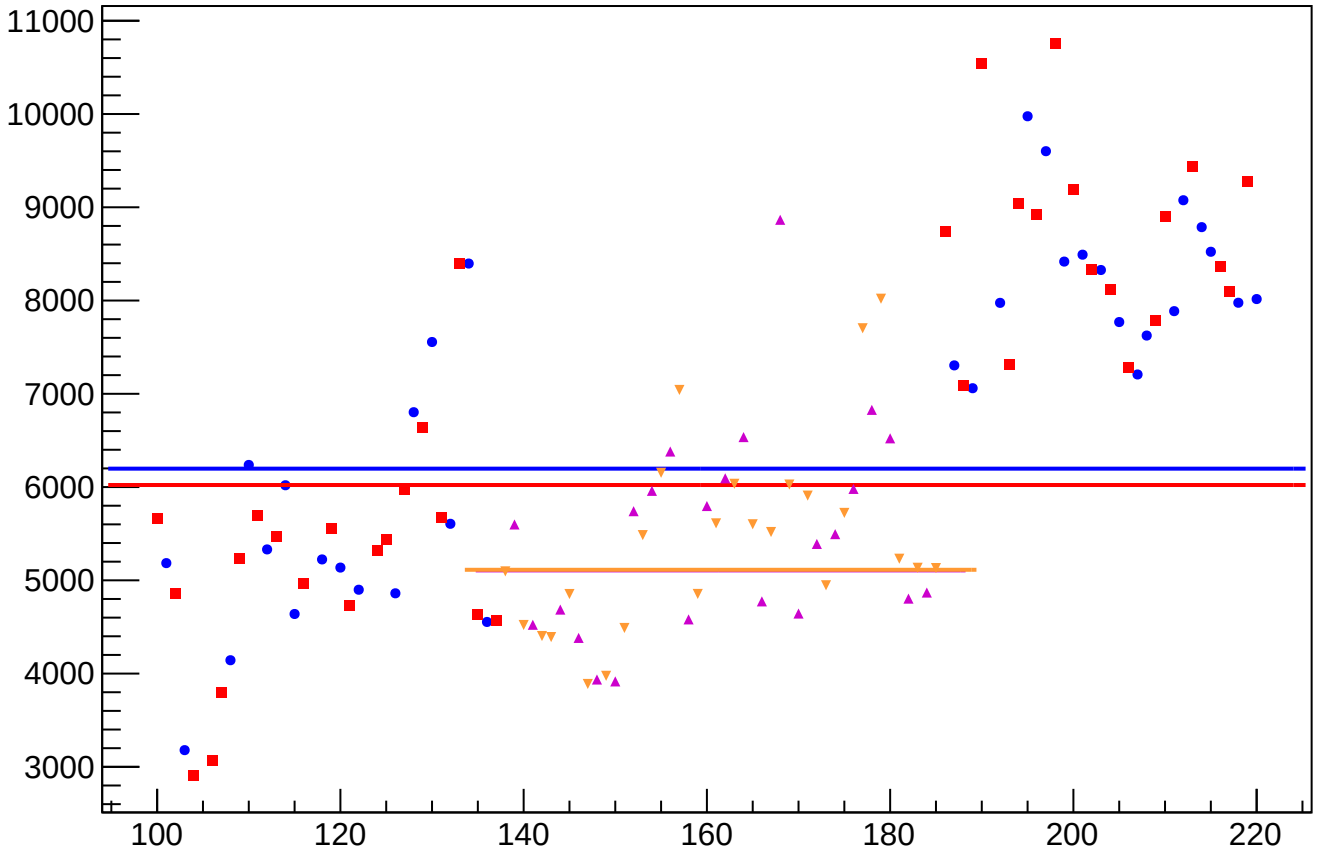
Right Out: 1750.332+/-1393.773 χ^2/NDF: 37.1/35

Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

\+ sign 628.212+/-910.614 χ^2/NDF: 66.8/57

All: 720.037+/-646.136 χ^2/NDF: 119.6/116

\- sign 813.149+/-916.967 χ^2/NDF: 52.8/58



Right In: 6197.424+/-1.003 χ^2/NDF: 3716955.5/32

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 6021.975+/-0.986 χ^2/NDF: 4693392.2/35

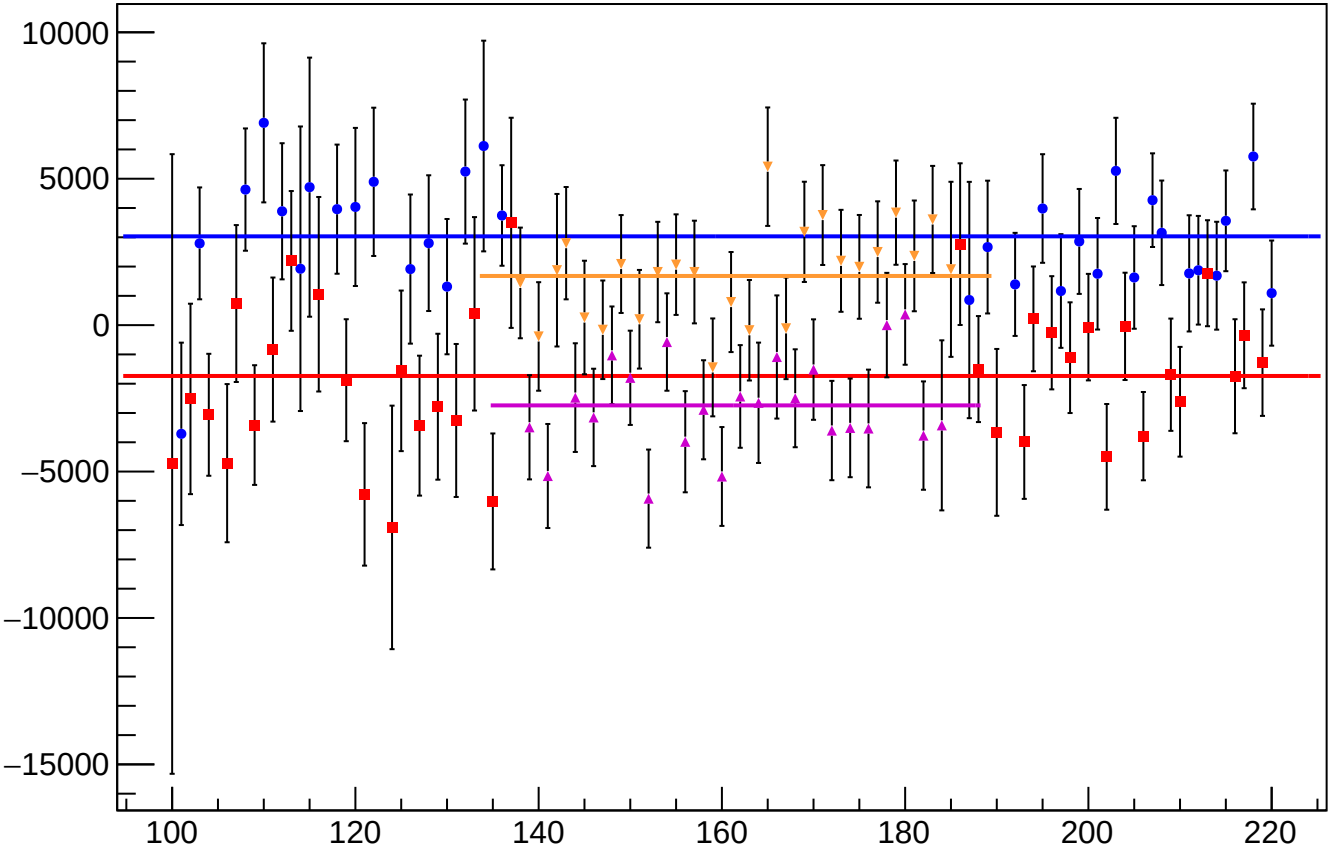
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5559.504+/-0.644 χ^2/NDF: 5563055.2/57

All: 5531.292+/-0.457 χ^2/NDF: 12001442.3/1

- sign 5502.684+/-0.648 χ^2/NDF: 6434520.7/58

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3032.085+/-365.599 χ^2/NDF: 21.5/32

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1735.760+/-365.751 χ^2/NDF: 35.0/35

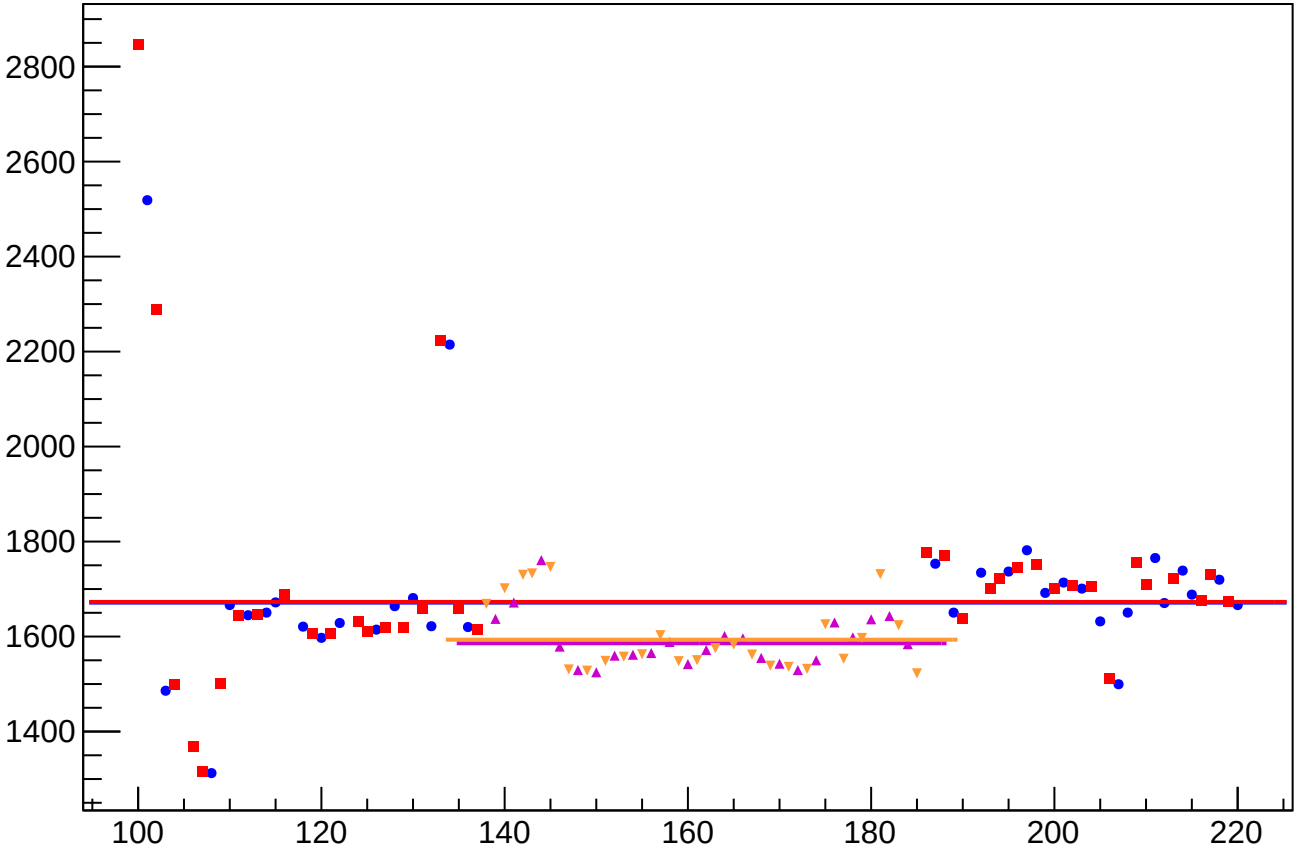
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2349.662+/-257.376 χ^2/NDF: 47.3/57

All: 85.122+/-183.026 χ^2/NDF: 261.8/116

- sign -2231.590+/-260.324 χ^2/NDF: 57.9/58

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1671.512+/-0.259 χ^2/NDF: 326178.6/32

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

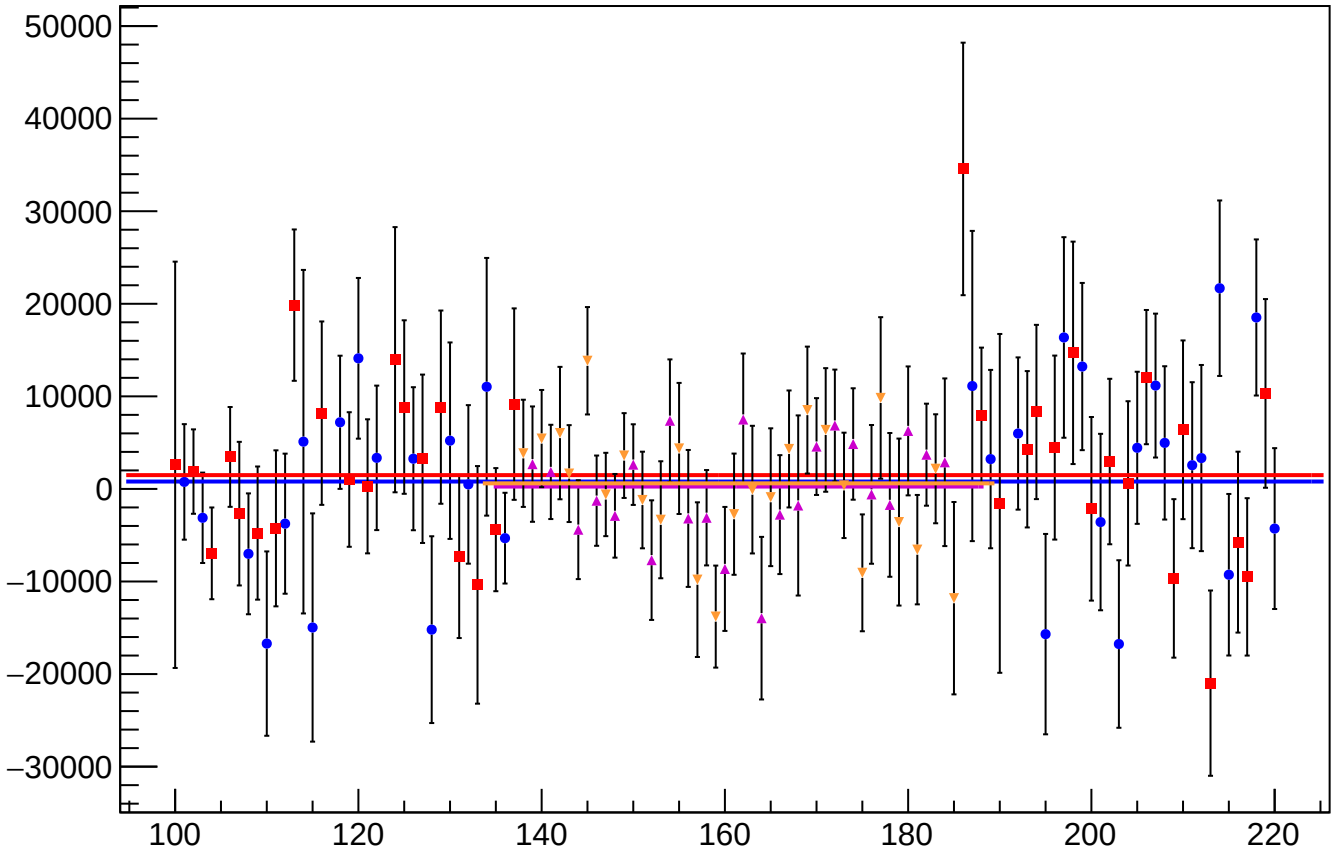
Right Out: 1672.899+/-0.259 χ^2/NDF: 298989.7/35

Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1632.106+/-0.182 χ^2/NDF: 444120.3/57

All: 1631.063+/-0.129 χ^2/NDF: 840919.7/116

- sign 1629.996+/-0.184 χ^2/NDF: 396733.0/58



Right In: 799.539+/-1451.643 χ^2/NDF: 39.7/32

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 1491.182+/-1387.893 χ^2/NDF: 36.1/35

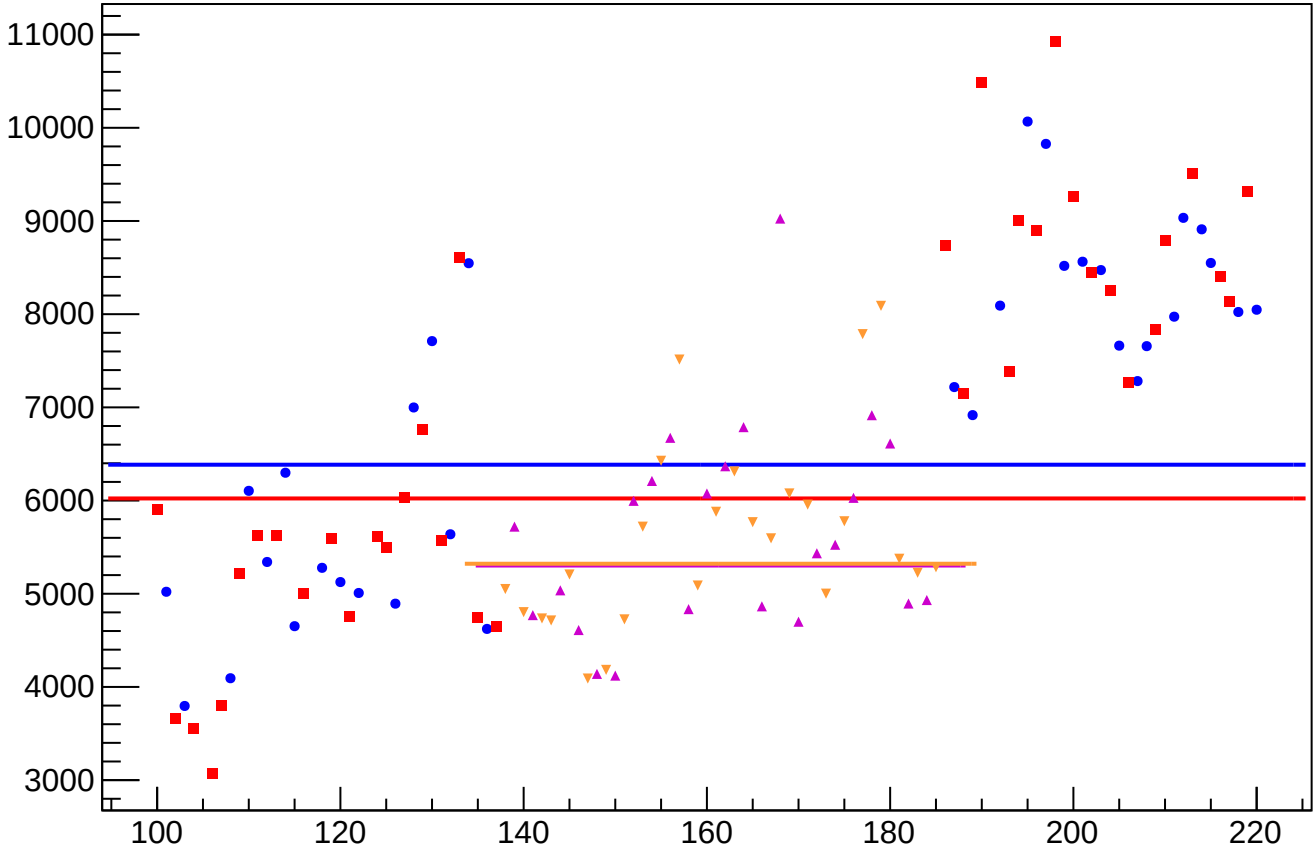
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

+ sign 684.727+/-940.005 χ^2/NDF: 65.8/57

All: 750.427+/-662.535 χ^2/NDF: 117.0/116

- sign 815.284+/-933.957 χ^2/NDF: 51.2/58

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 6384.669+/-1.026 χ^2/NDF: 3161019.0/32

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 6022.568+/-0.981 χ^2/NDF: 4622871.7/35

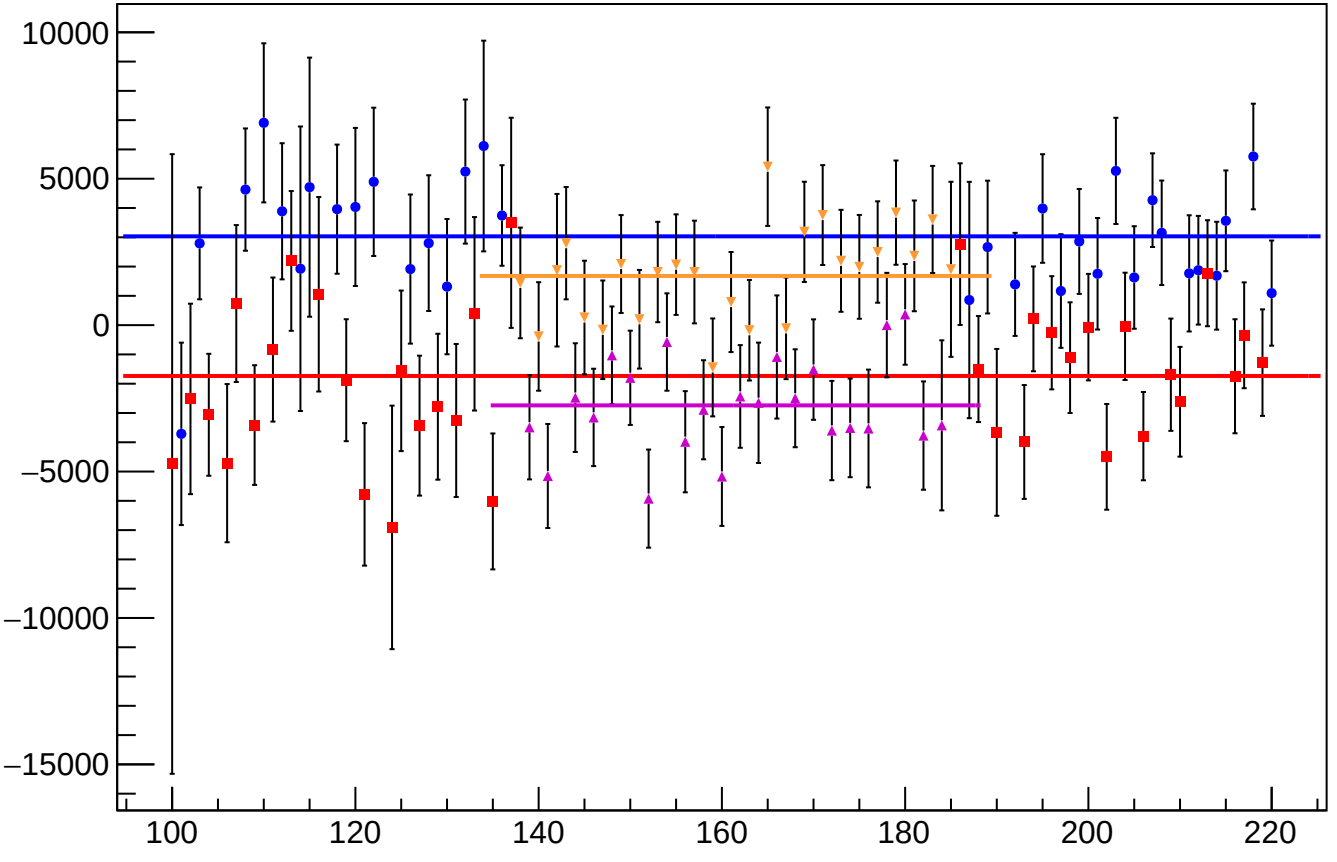
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5767.568+/-0.665 χ^2/NDF: 4820447.6/57

All: 5697.718+/-0.468 χ^2/NDF: 10911920.4/1

- sign 5628.764+/-0.660 χ^2/NDF: 6069527.9/58

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3032.079+/-365.599 χ^2/NDF: 21.5/32

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1735.764+/-365.751 χ^2/NDF: 35.0/35

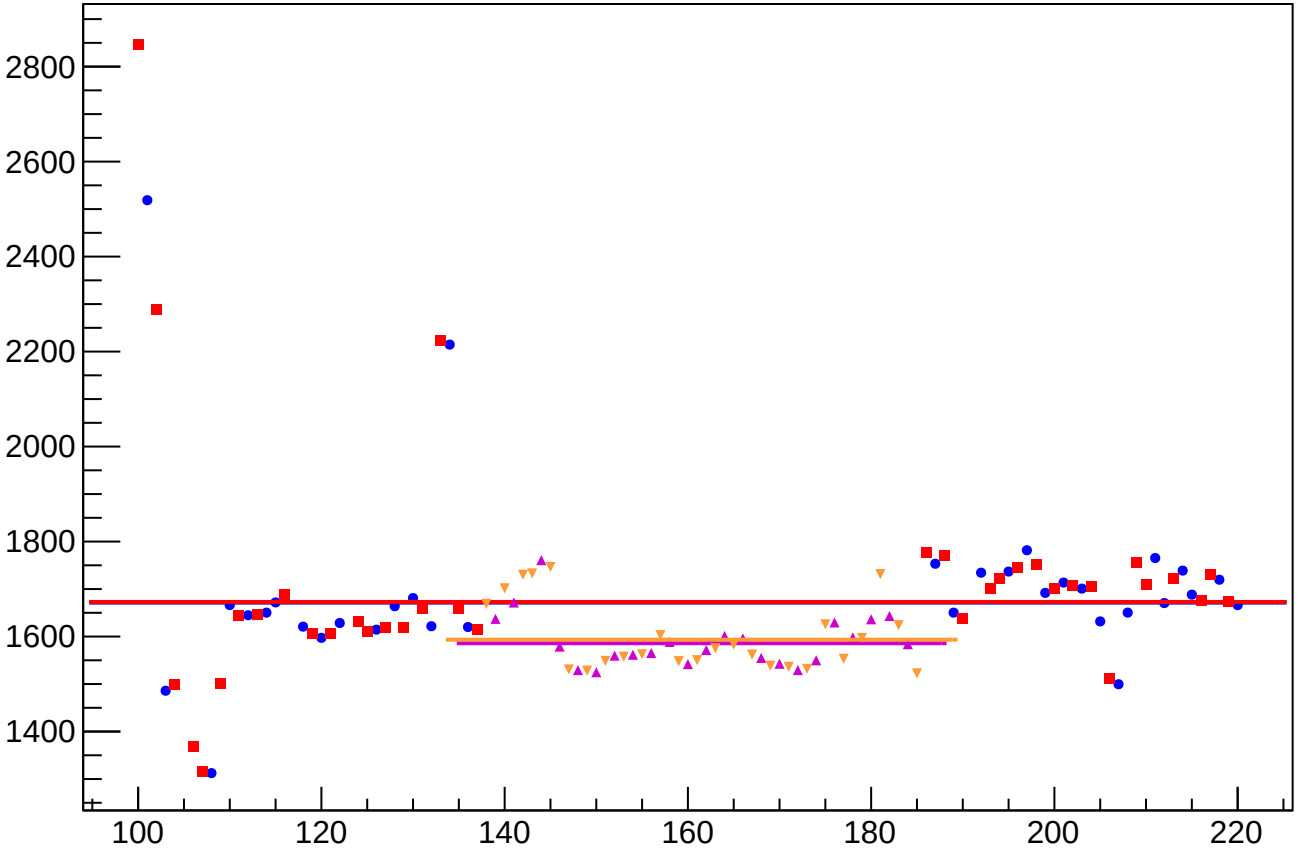
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2349.657+/-257.376 χ^2/NDF: 47.3/57

All: 85.118+/-183.026 χ^2/NDF: 261.8/116

- sign -2231.592+/-260.324 χ^2/NDF: 57.9/58

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1671.512+/-0.259 χ^2/NDF: 326178.9/32

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

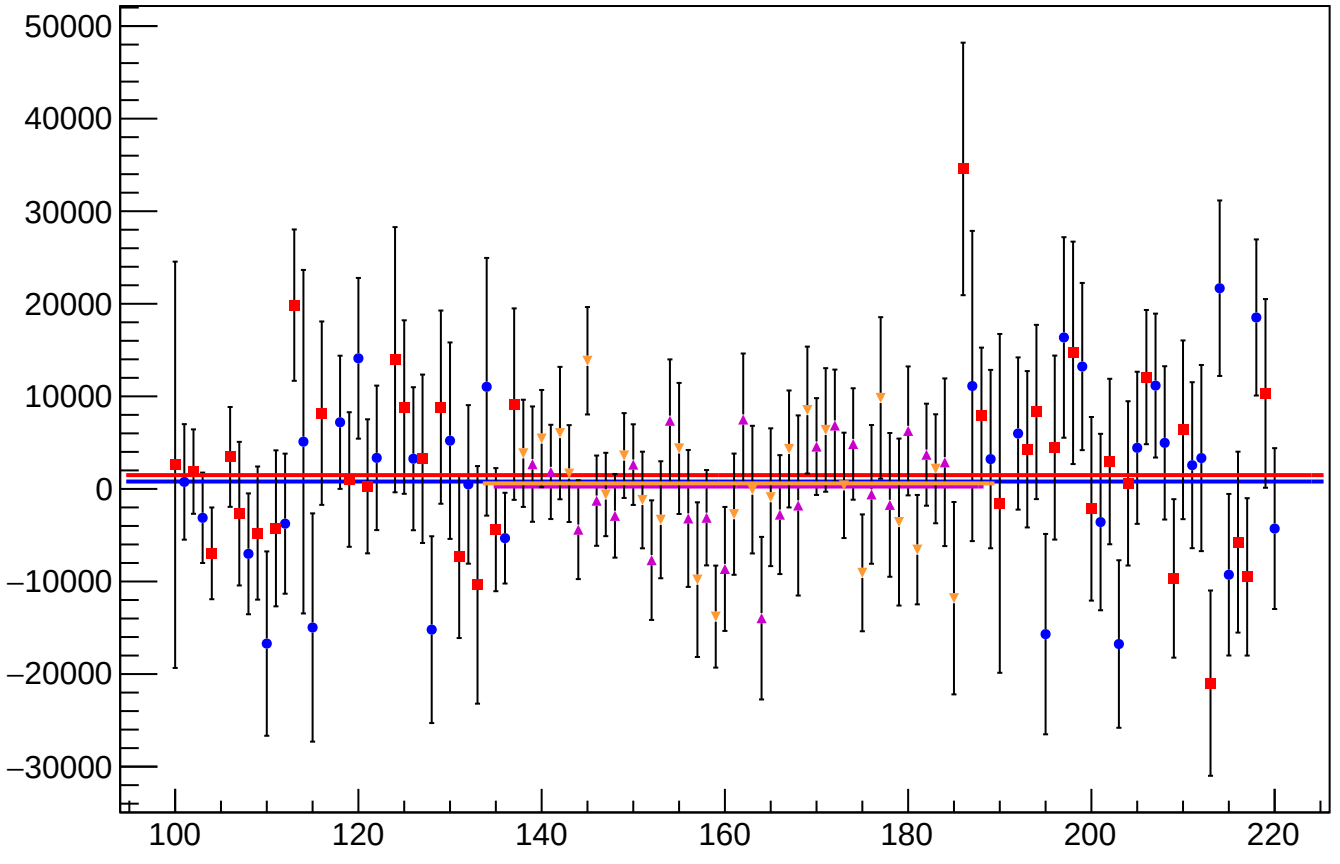
Right Out: 1672.899+/-0.259 χ^2/NDF: 298989.7/35

Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1632.106+/-0.182 χ^2/NDF: 444119.1/57

All: 1631.063+/-0.129 χ^2/NDF: 840917.0/116

- sign 1629.996+/-0.184 χ^2/NDF: 396731.5/58



Right In: 799.542+/-1451.642 χ^2/NDF: 39.7/32

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

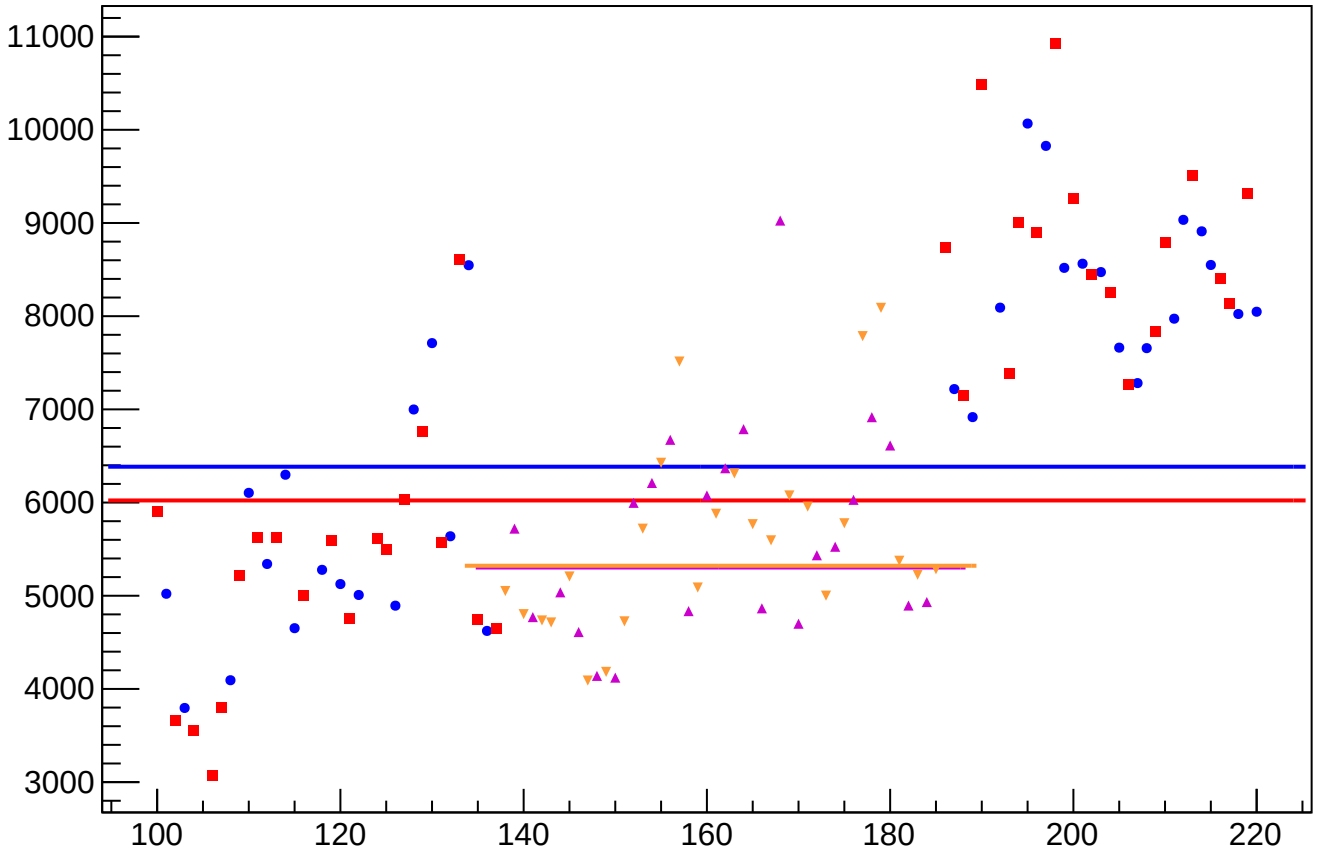
Right Out: 1491.179+/-1387.892 χ^2/NDF: 36.1/35

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

+ sign 684.726+/-940.006 χ^2/NDF: 65.8/57

All: 750.427+/-662.536 χ^2/NDF: 117.0/116

- sign 815.285+/-933.957 χ^2/NDF: 51.2/58



Right In: 6384.665+/-1.026 χ^2/NDF: 3161036.8/32

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 6022.563+/-0.981 χ^2/NDF: 4622892.9/35

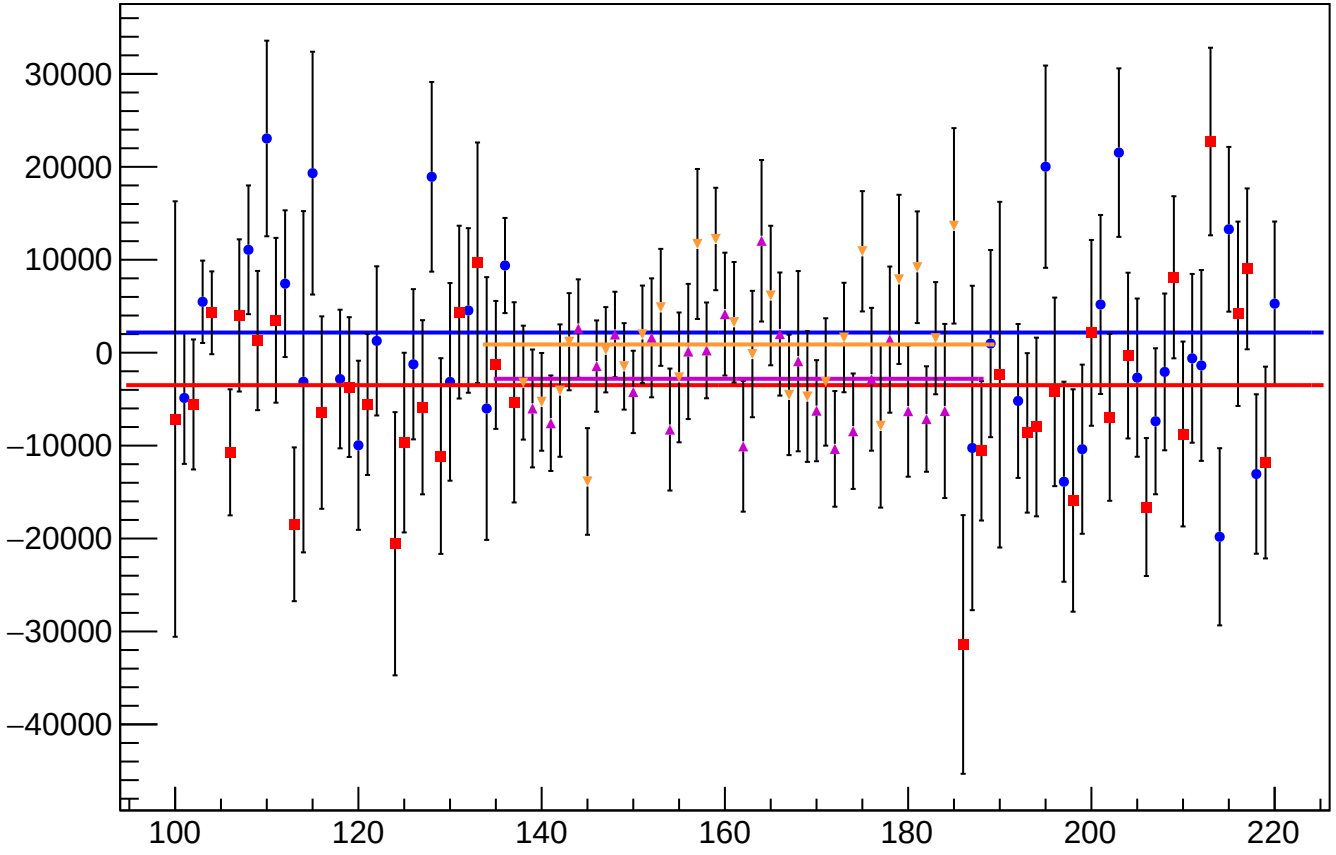
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5767.573+/-0.665 χ^2/NDF: 4820451.6/57

All: 5697.722+/-0.468 χ^2/NDF: 10911938.2/1

- sign 5628.768+/-0.660 χ^2/NDF: 6069541.2/58

asym_usr_atr2_avg_mean vs Slug



Right In: 2169.545+/-1480.440 χ^2/NDF: 42.3/32

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -3494.147+/-1461.684 χ^2/NDF: 36.4/35

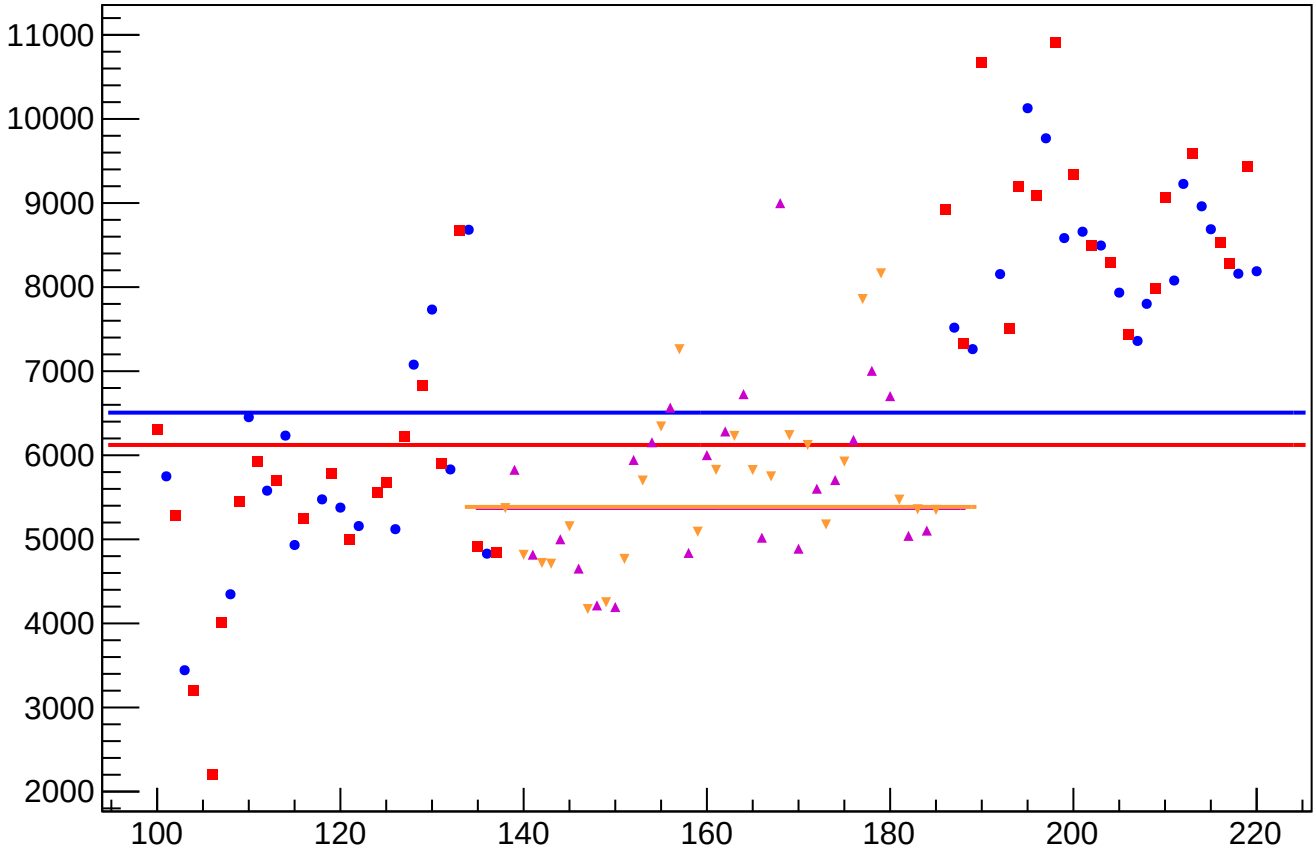
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1418.161+/-953.521 χ^2/NDF: 68.4/57

All: -824.712+/-677.142 χ^2/NDF: 130.8/116

- sign -3106.604+/-961.779 χ^2/NDF: 51.2/58

asym_usr_atr2_avg_rms vs Slug



Right In: 6507.066+/-1.047 χ^2/NDF: 3250591.2/32

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

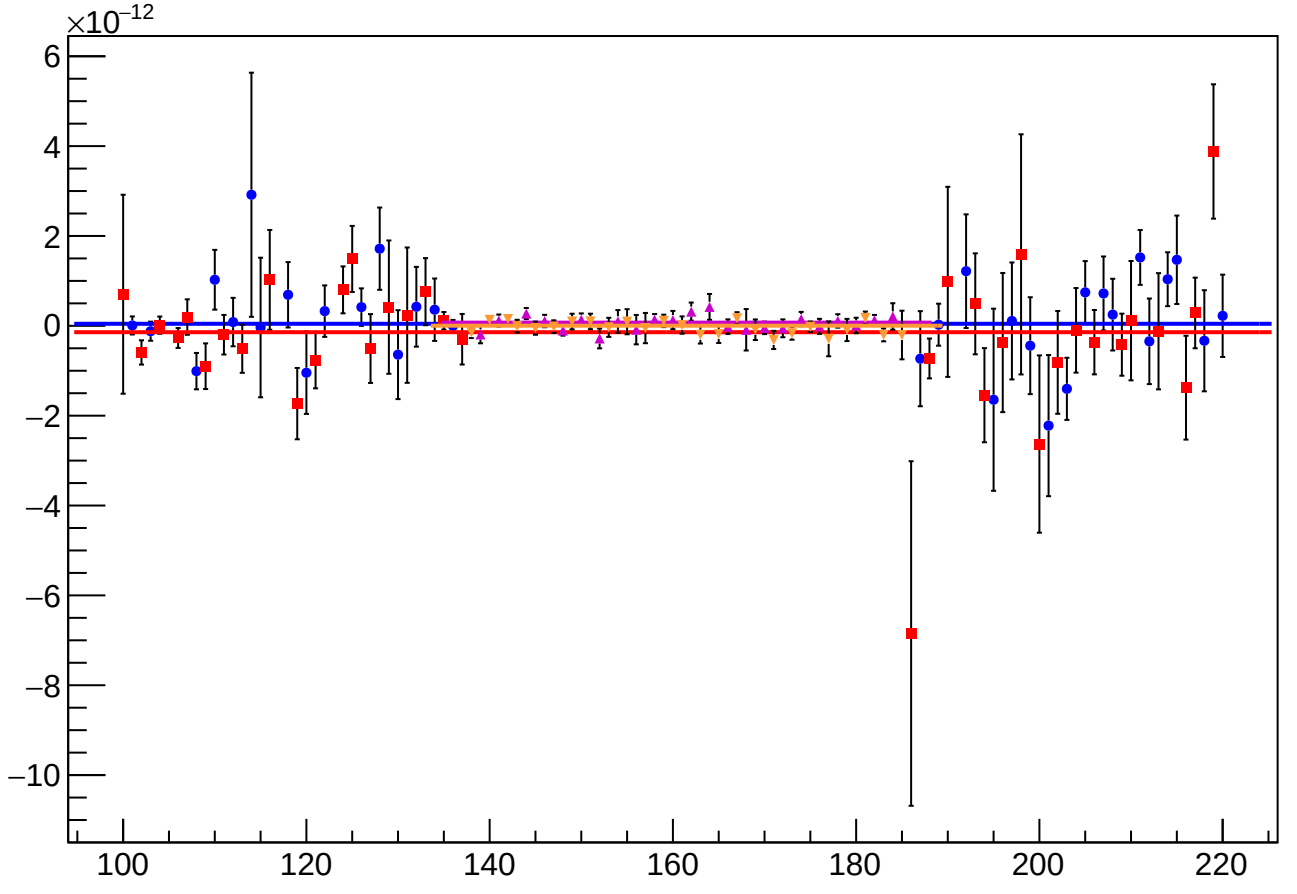
Right Out: 6122.424+/-1.009 χ^2/NDF: 5142097.8/35

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5850.858+/-0.674 χ^2/NDF: 4909195.3/57

All: 5778.403+/-0.476 χ^2/NDF: 11452505.7/1

- sign 5706.217+/-0.673 χ^2/NDF: 6520257.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 39.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

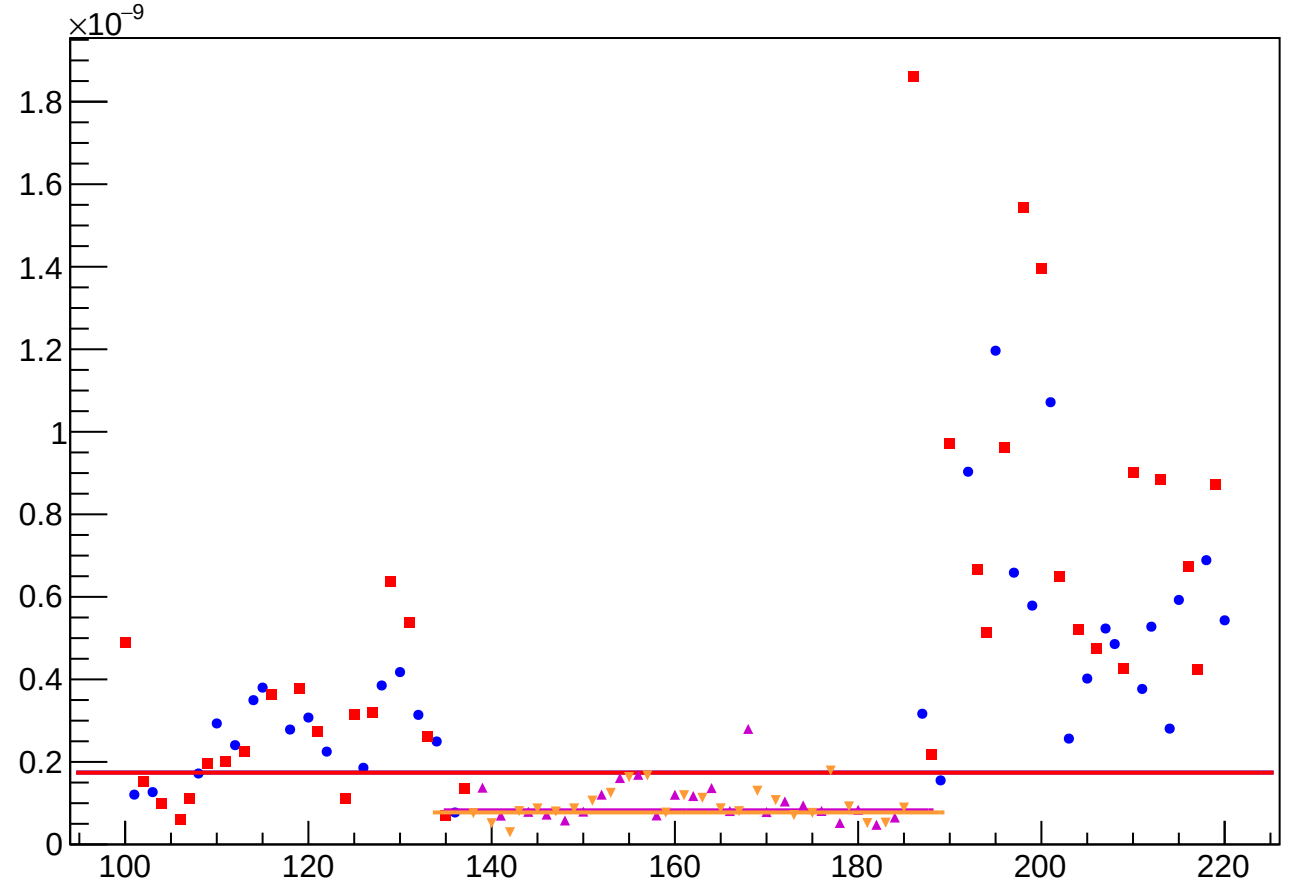
Right Out: -0.000+/-0.000 χ^2/NDF: 43.8/35

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.3/57

All: 0.000+/-0.000 χ^2/NDF: 124.1/116

- sign 0.000+/-0.000 χ^2/NDF: 65.2/58



Right In: 0.000+/-0.000 χ^2/NDF: 6840504.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

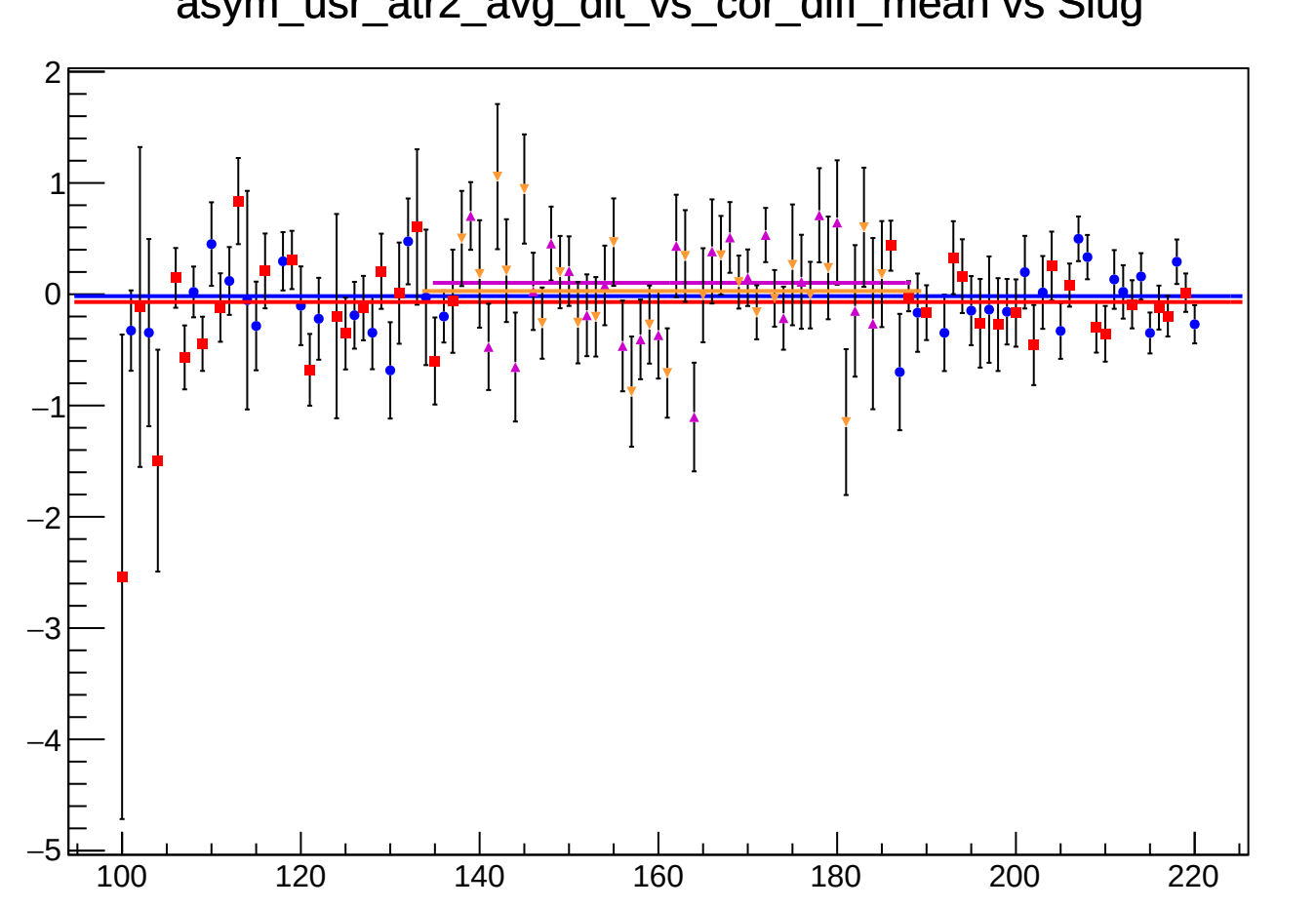
Right Out: 0.000+/-0.000 χ^2/NDF: 8825827.0/35

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11038444.1/57

All: 0.000+/-0.000 χ^2/NDF: 23474482.2/116

- sign 0.000+/-0.000 χ^2/NDF: 12411330.8/58



Right In: -0.017+/-0.049 χ^2/NDF: 34.7/32

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.070+/-0.046 χ^2/NDF: 39.4/35

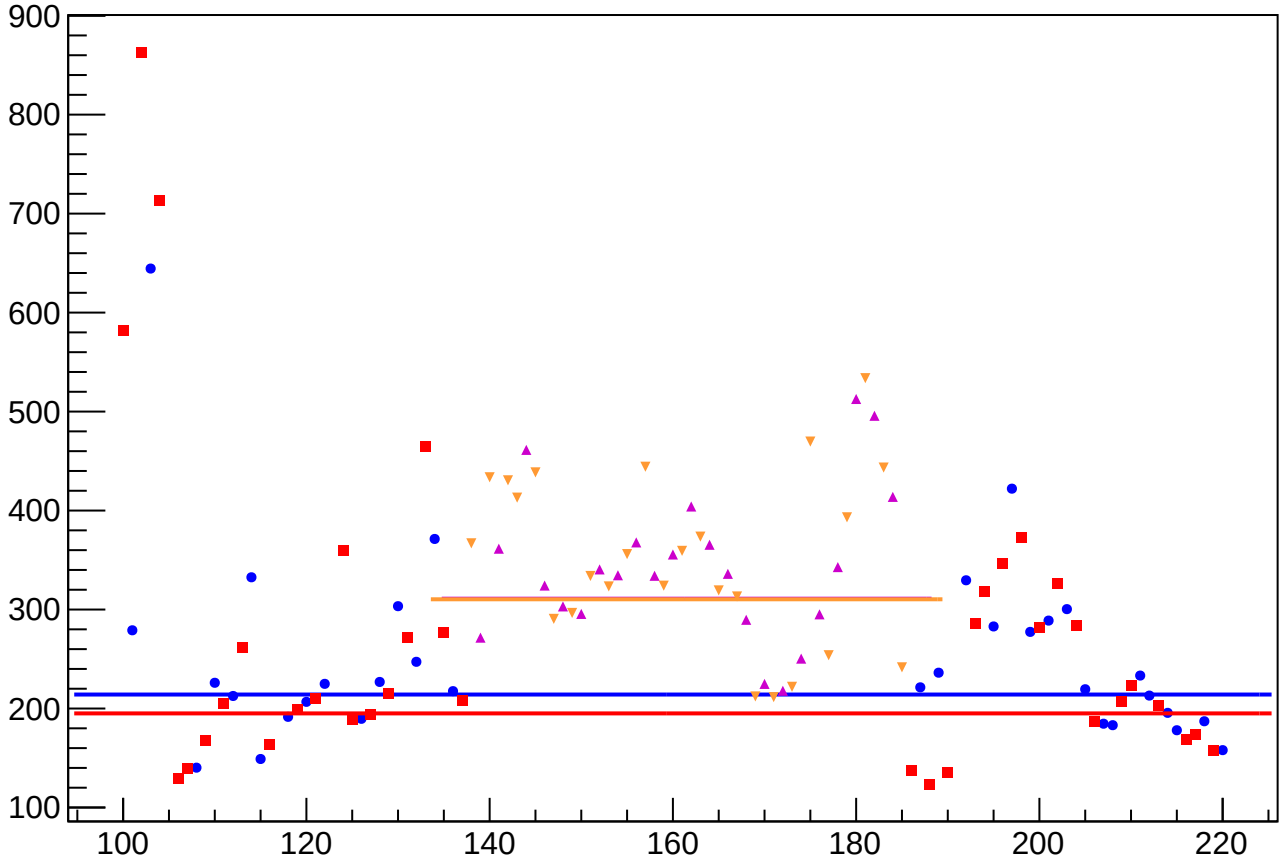
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.003+/-0.041 χ^2/NDF: 60.3/57

All: -0.014+/-0.029 χ^2/NDF: 135.8/116

- sign -0.023+/-0.040 χ^2/NDF: 75.4/58

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 214.134+/-0.035 χ^2/NDF: 2641639.4/32

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

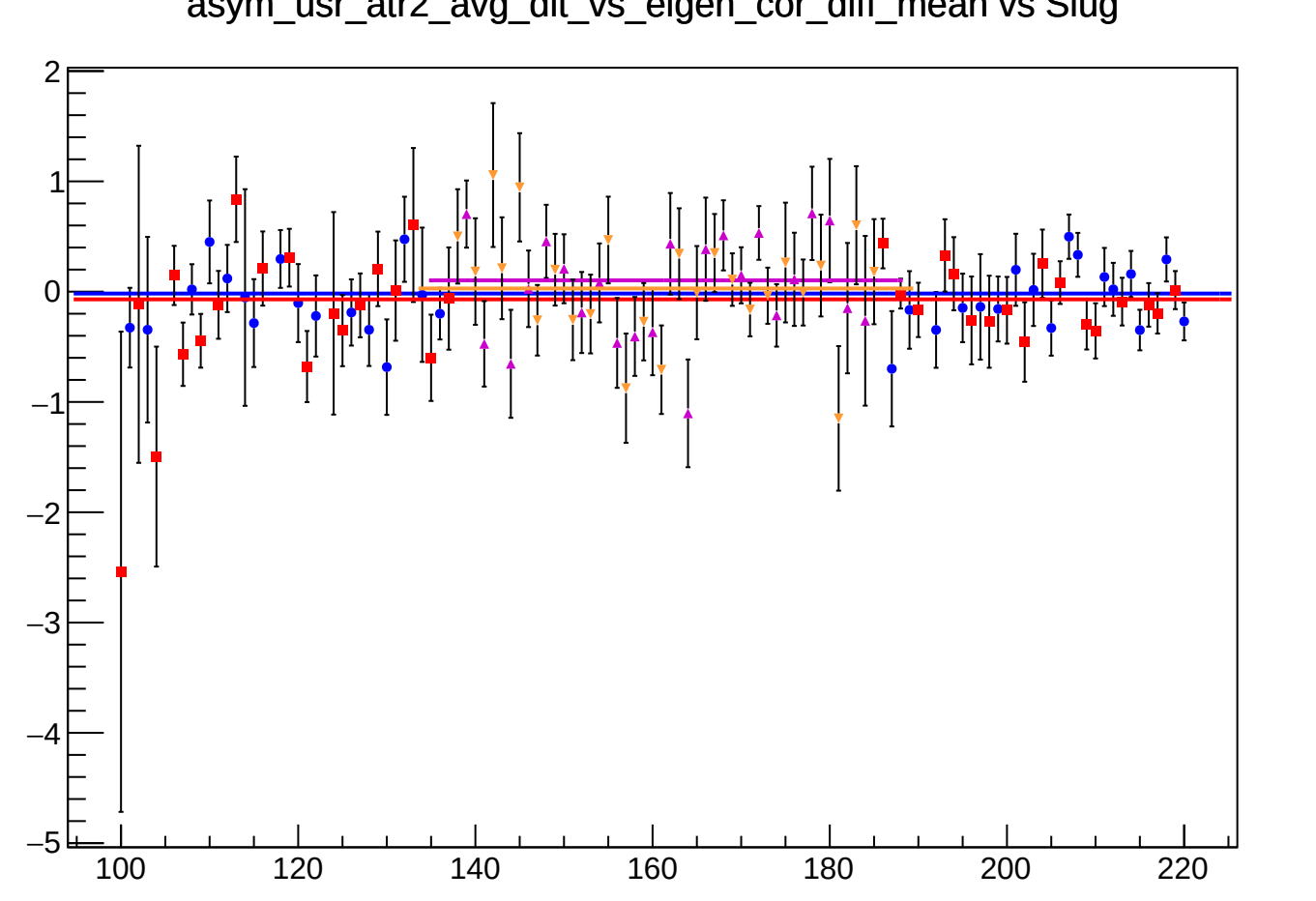
Right Out: 195.075+/-0.033 χ^2/NDF: 4552372.9/35

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 243.375+/-0.029 χ^2/NDF: 7316952.7/57

All: 234.464+/-0.020 χ^2/NDF: 17026939.5/11

- sign 226.240+/-0.028 χ^2/NDF: 9529744.0/58



Right In: -0.017+/-0.049 χ^2/NDF: 34.7/32

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

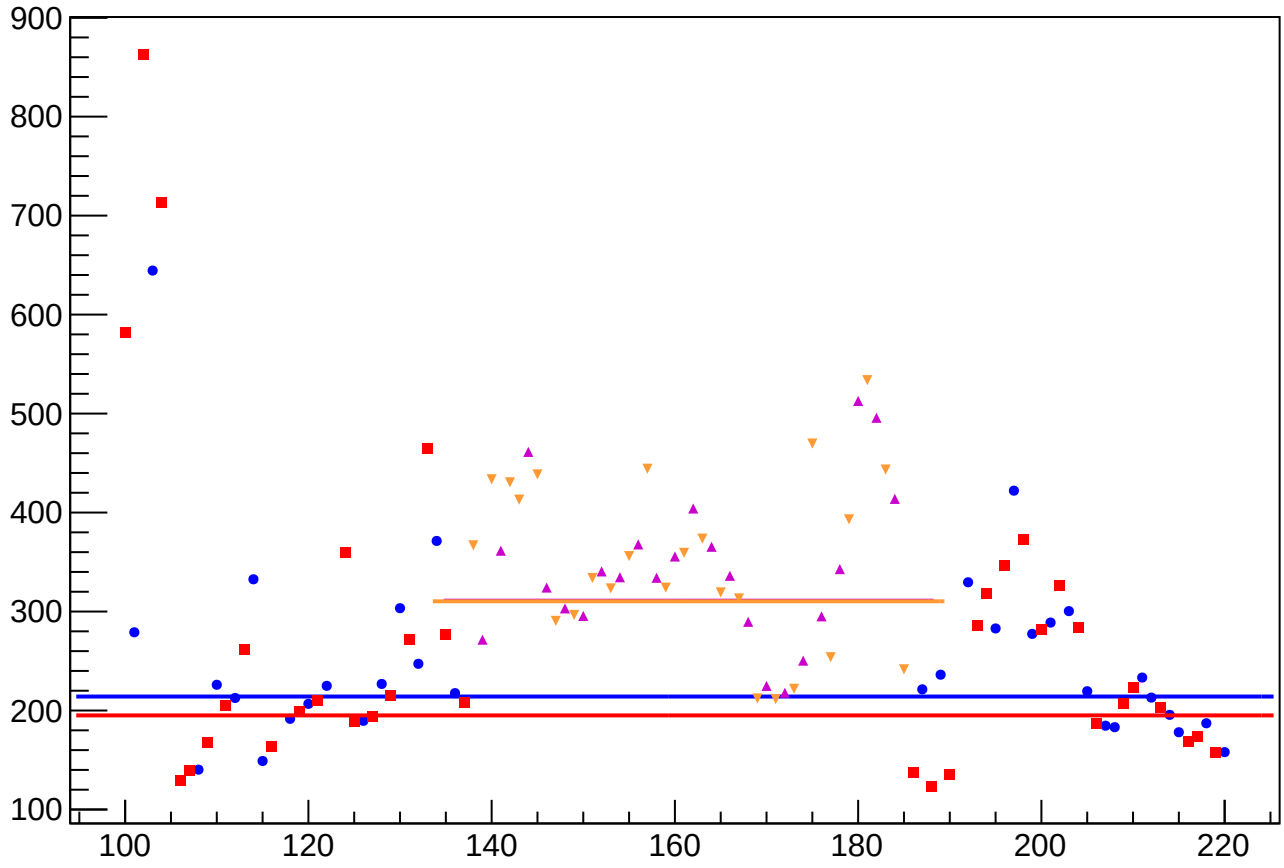
Right Out: -0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.003+/-0.041 χ^2/NDF: 60.3/57

All: -0.014+/-0.029 χ^2/NDF: 135.8/116

- sign -0.023+/-0.040 χ^2/NDF: 75.4/58



Right In: 214.134+/-0.035 χ^2/NDF: 2641639.4/32

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

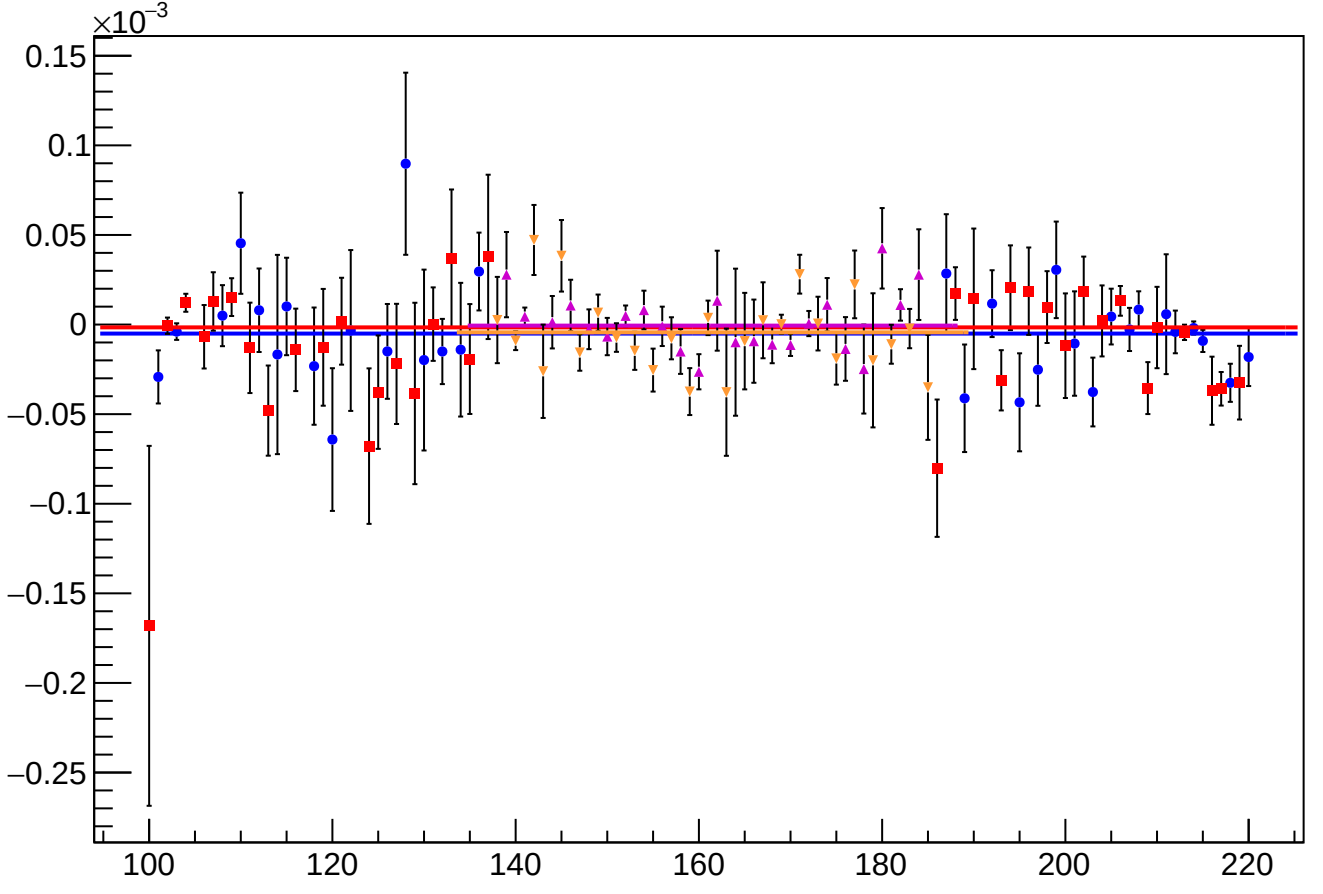
Right Out: 195.075+/-0.033 χ^2/NDF: 4552372.9/35

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 243.375+/-0.029 χ^2/NDF: 7316952.7/57

All: 234.464+/-0.020 χ^2/NDF: 17026939.5/11

- sign 226.240+/-0.028 χ^2/NDF: 9529744.0/58



Right In: -0.000+/-0.000 χ^2/NDF: 37.7/32

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

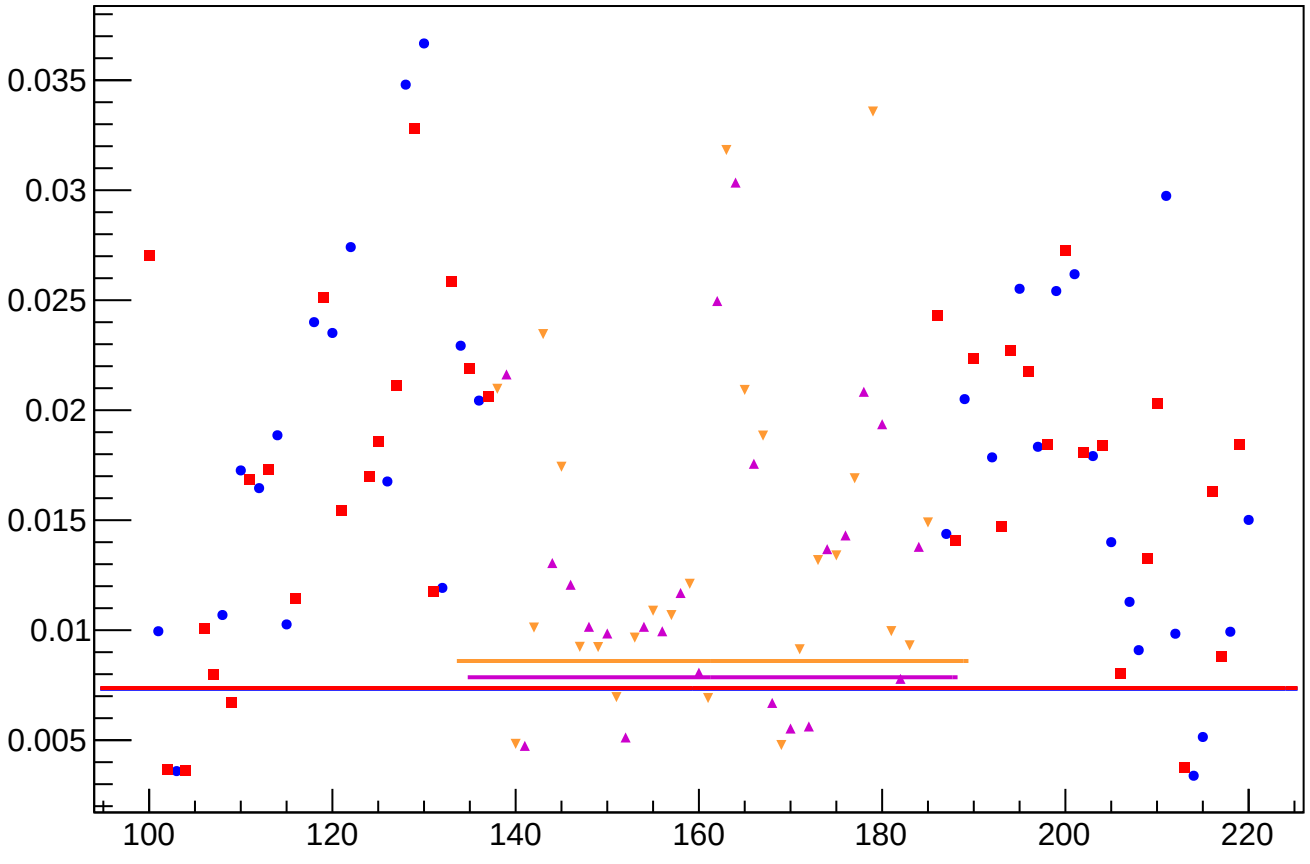
Right Out: -0.000+/-0.000 χ^2/NDF: 64.7/35

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 80.0/57

All: -0.000+/-0.000 χ^2/NDF: 174.2/116

- sign -0.000+/-0.000 χ^2/NDF: 91.3/58



Right In: 0.007+/-0.000 χ^2/NDF: 15777878.1/32

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

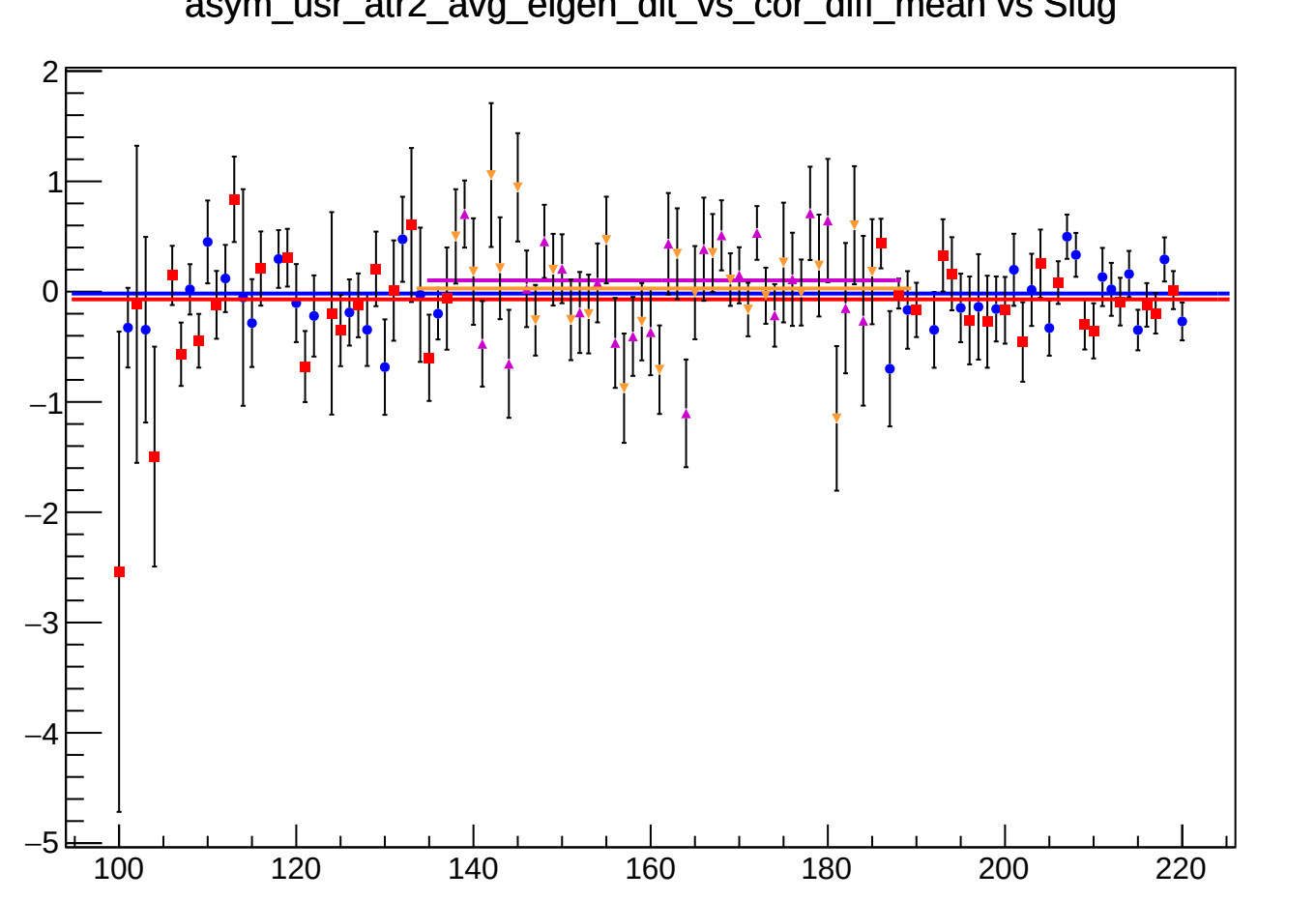
Right Out: 0.007+/-0.000 χ^2/NDF: 15656523.3/35

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 23767935.0/57

All: 0.008+/-0.000 χ^2/NDF: 46302608.0/116

- sign 0.008+/-0.000 χ^2/NDF: 22489957.1/58



Right In: -0.017+/-0.049 χ^2/NDF: 34.7/32

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

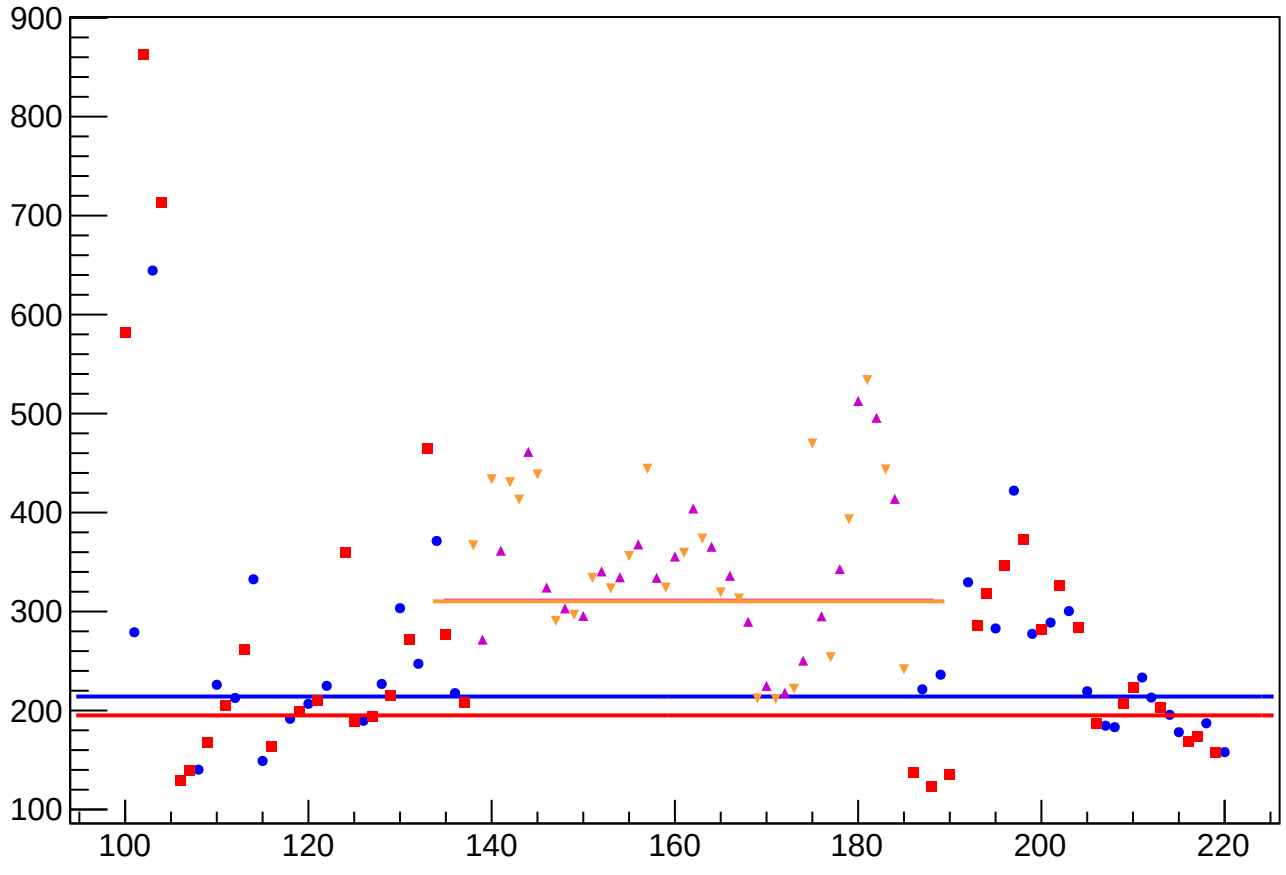
Right Out: -0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.003+/-0.041 χ^2/NDF: 60.3/57

All: -0.014+/-0.029 χ^2/NDF: 135.8/116

- sign -0.023+/-0.040 χ^2/NDF: 75.4/58



Right In: 214.133+/-0.035 χ^2/NDF: 2641646.7/32

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

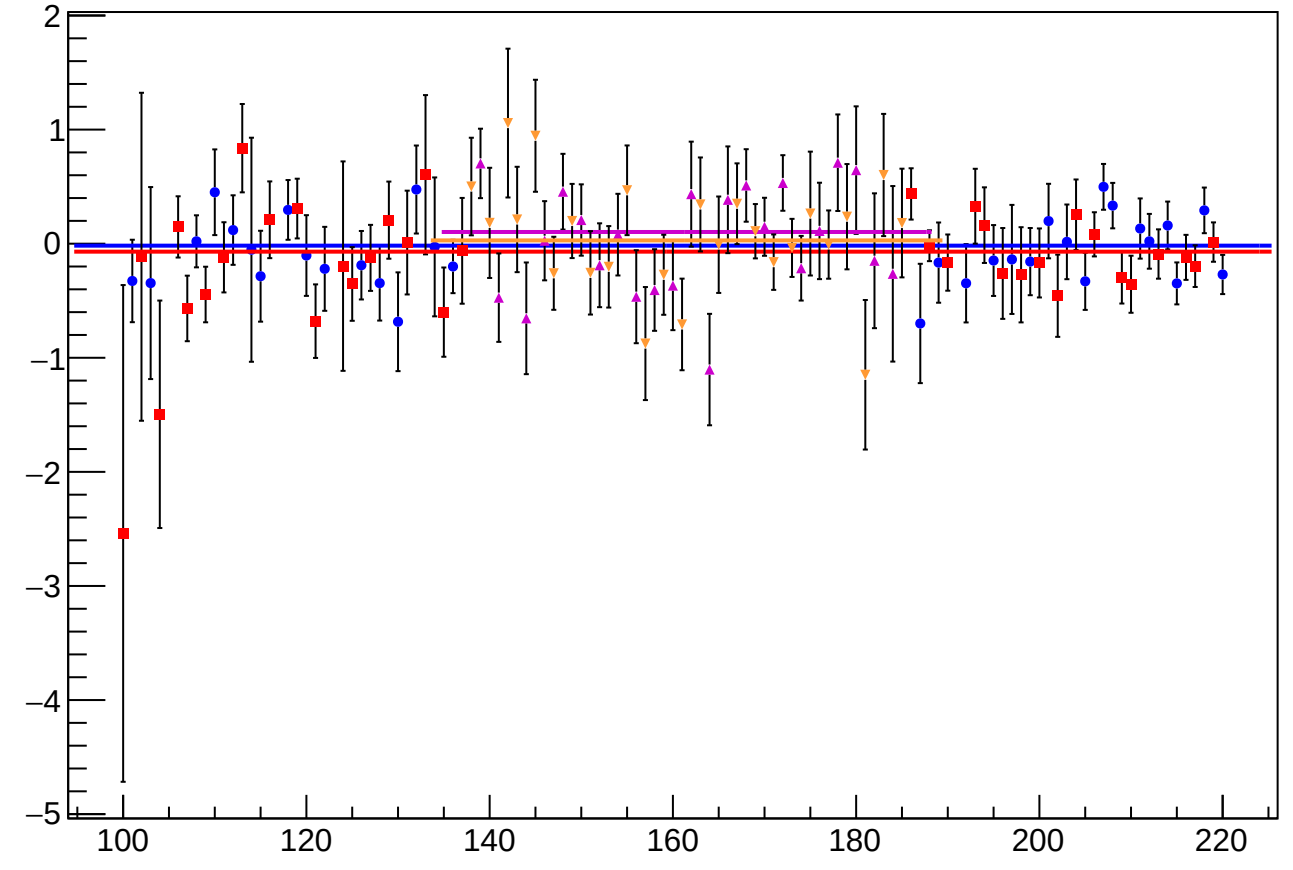
Right Out: 195.073+/-0.033 χ^2/NDF: 4552487.7/35

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 243.375+/-0.029 χ^2/NDF: 7317171.2/57

All: 234.464+/-0.020 χ^2/NDF: 17027575.6/11

- sign 226.239+/-0.028 χ^2/NDF: 9530137.5/58



Right In: -0.017+/-0.049 χ^2/NDF: 34.7/32

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

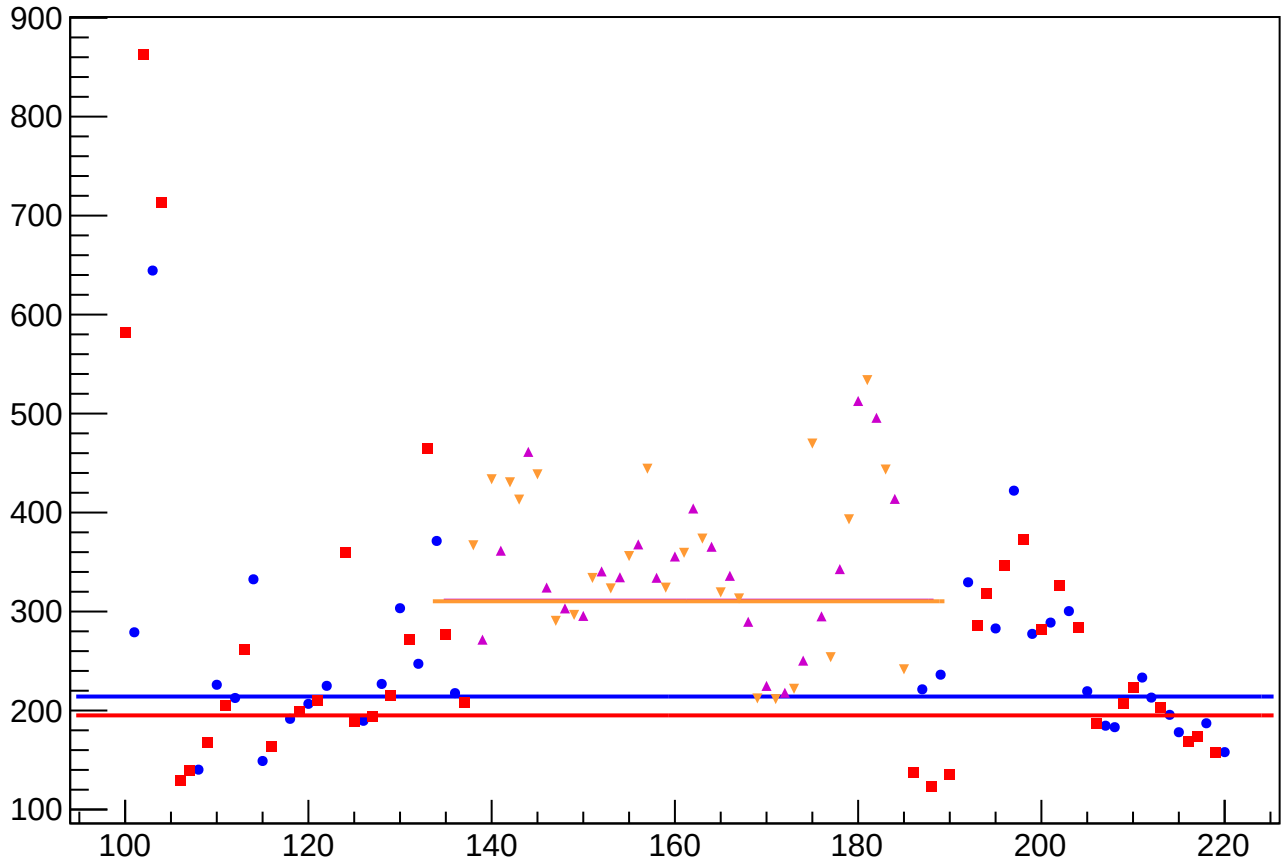
Right Out: -0.070+/-0.046 χ^2/NDF: 39.4/35

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.003+/-0.041 χ^2/NDF: 60.3/57

All: -0.014+/-0.029 χ^2/NDF: 135.8/116

- sign -0.023+/-0.040 χ^2/NDF: 75.4/58



Right In: 214.133+/-0.035 χ^2/NDF: 2641646.7/32

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

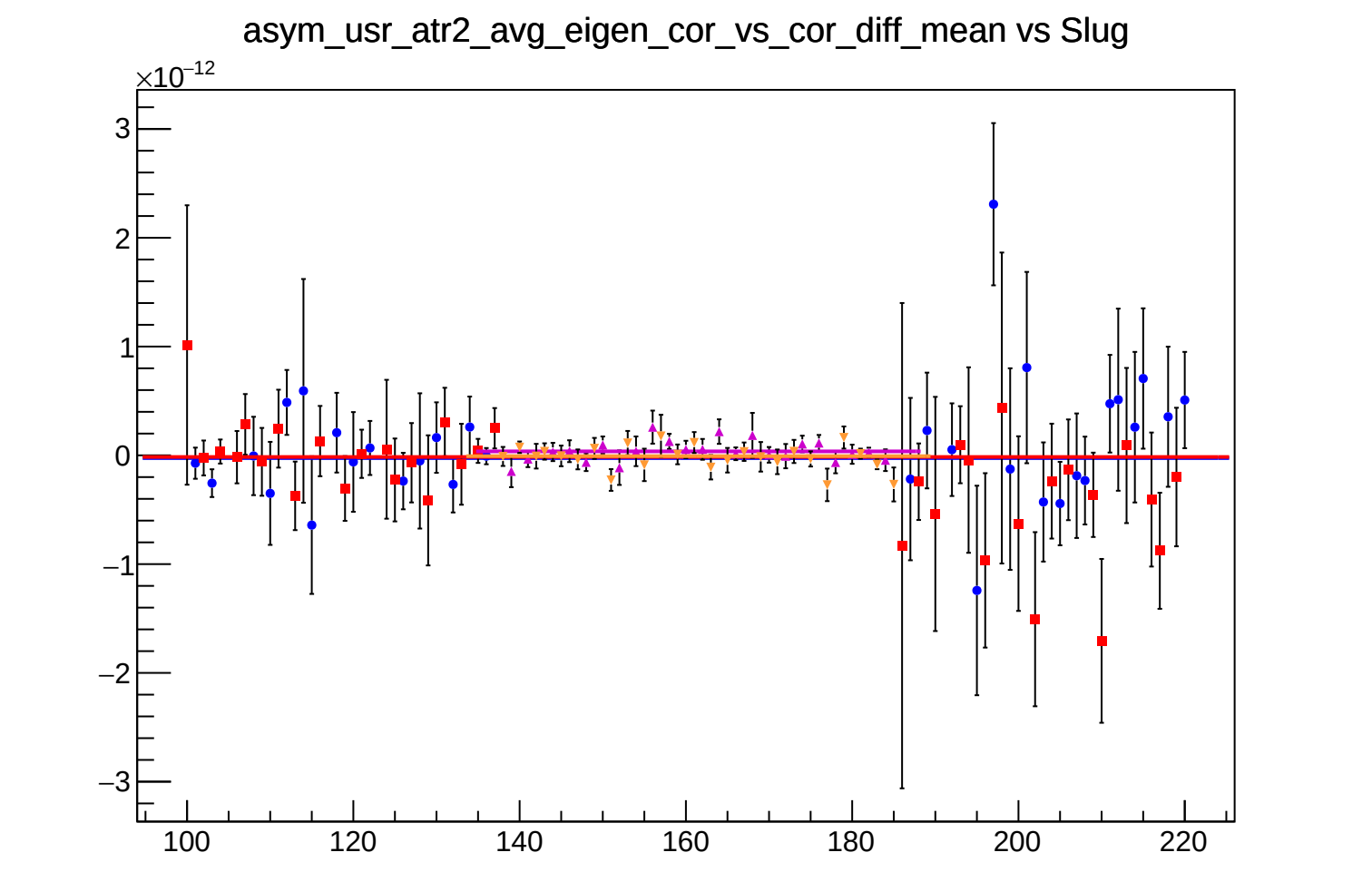
Right Out: 195.073+/-0.033 χ^2/NDF: 4552487.7/35

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 243.375+/-0.029 χ^2/NDF: 7317171.2/57

All: 234.464+/-0.020 χ^2/NDF: 17027575.6/11

- sign 226.239+/-0.028 χ^2/NDF: 9530137.5/58



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:25.8/24

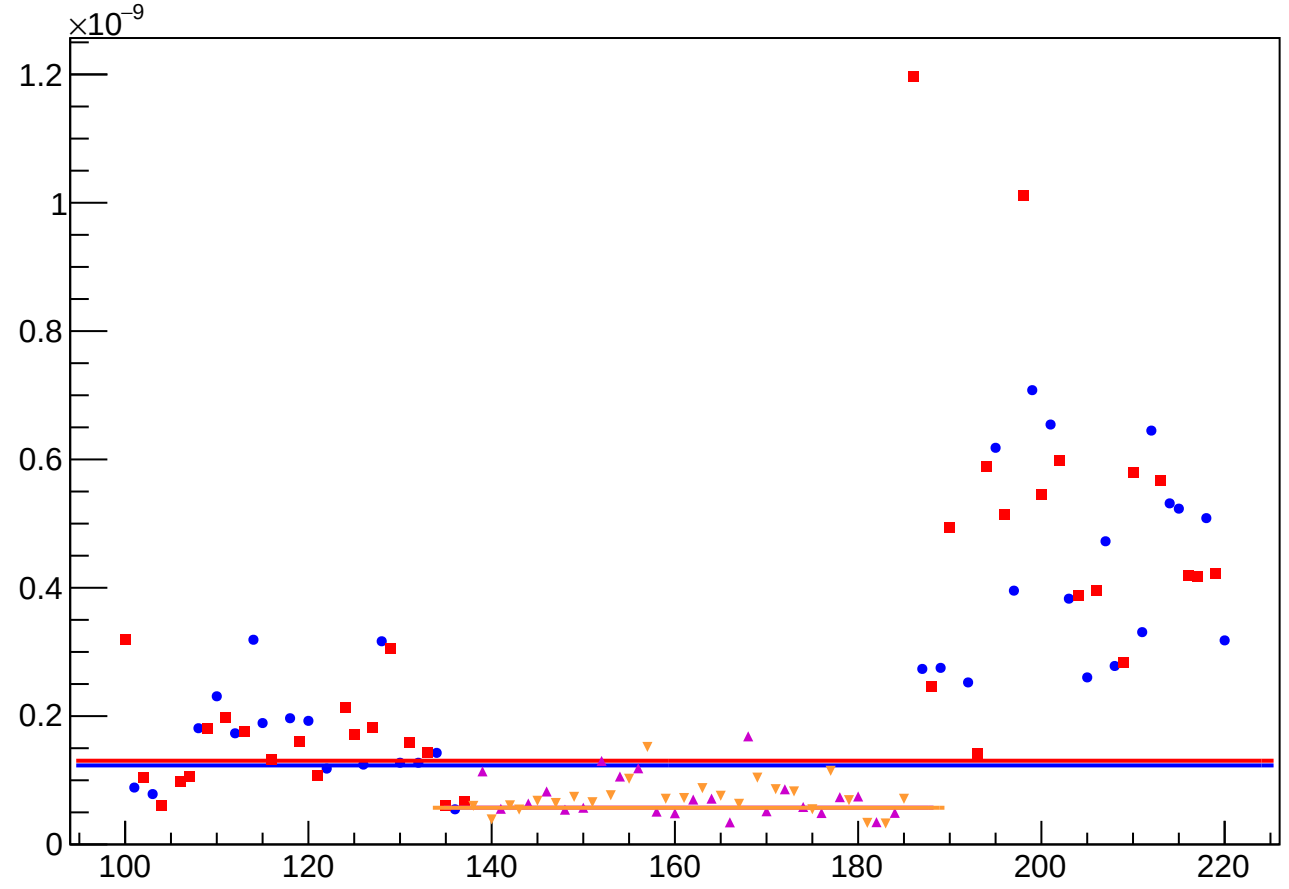
Right Out: -0.000+/-0.000 χ^2/NDF: 24.8/35

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.1/57

All: 0.000+/-0.000 χ^2/NDF: 102.7/116

- sign 0.000+/-0.000 χ^2/NDF: 42.5/58



Right In: 0.000+/-0.000 χ^2/NDF: 10954213.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10725358.3/35

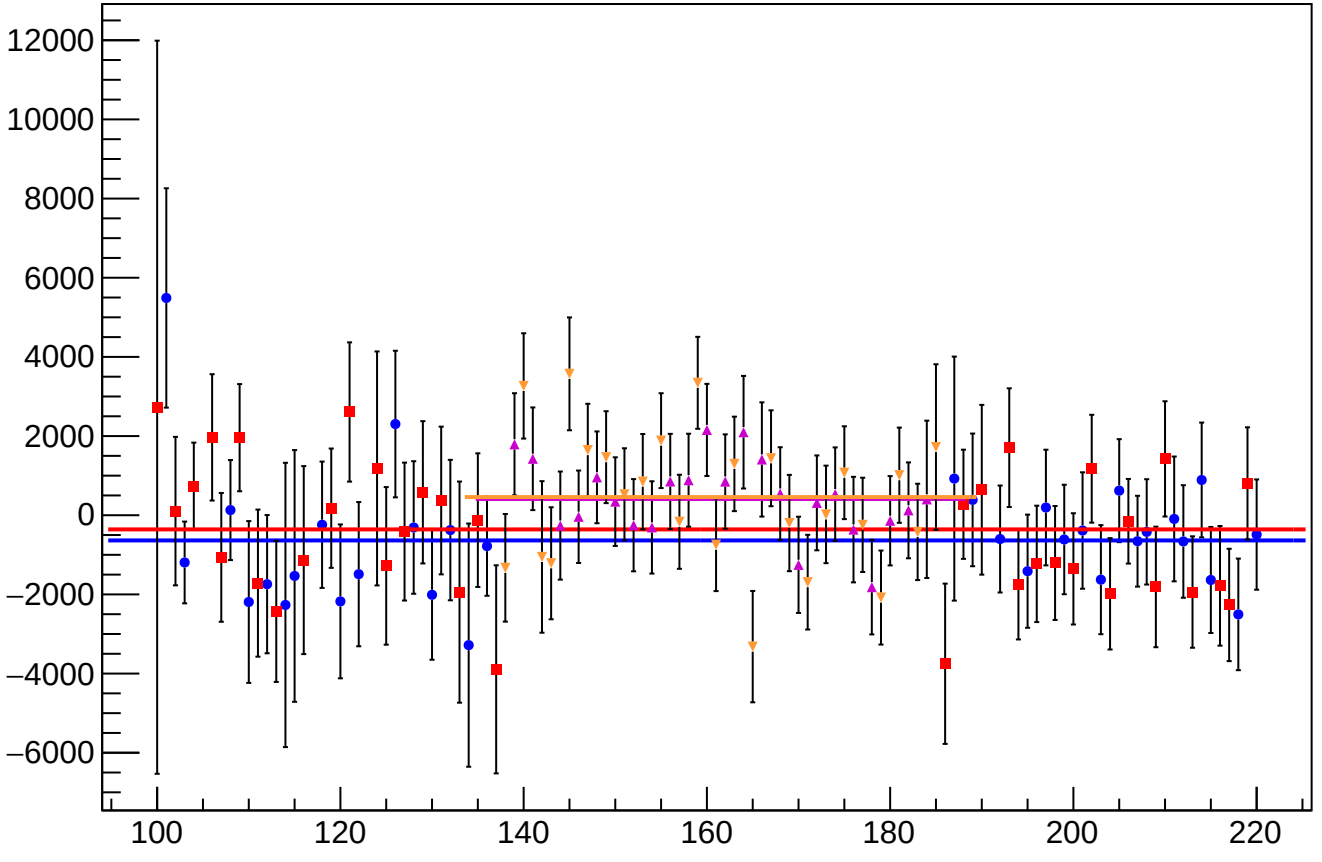
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17785407.5/57

All: 0.000+/-0.000 χ^2/NDF: 35791536.4/116

- sign 0.000+/-0.000 χ^2/NDF: 18003935.6/58

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -636.710+/-269.014 χ^2/NDF: 18.1/32

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -357.864+/-266.606 χ^2/NDF: 31.5/35

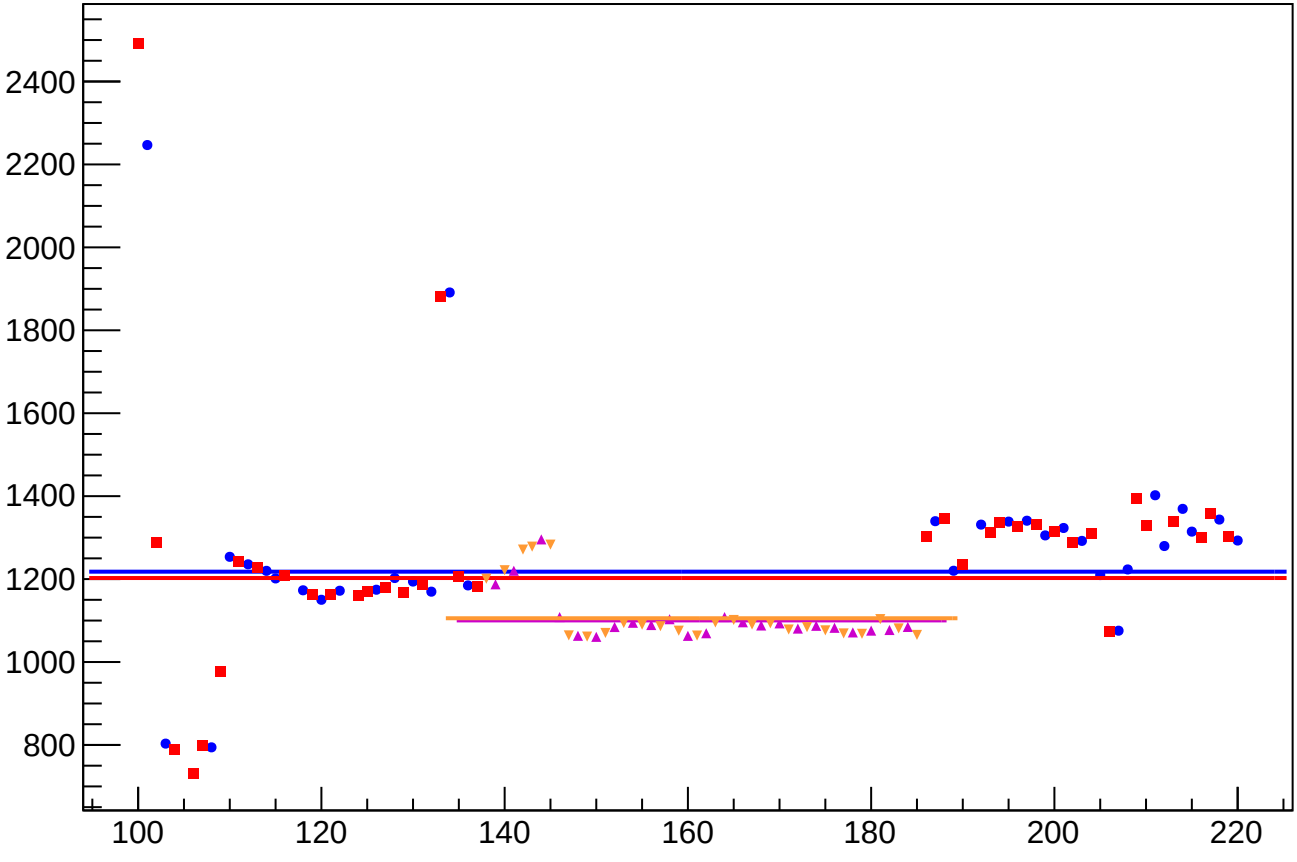
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign -52.229+/-183.732 χ^2/NDF: 69.0/57

All: -6.207+/-130.401 χ^2/NDF: 118.6/116

- sign 40.504+/-185.104 χ^2/NDF: 49.4/58

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1217.884+/-0.190 χ^2/NDF: 1115456.1/32

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

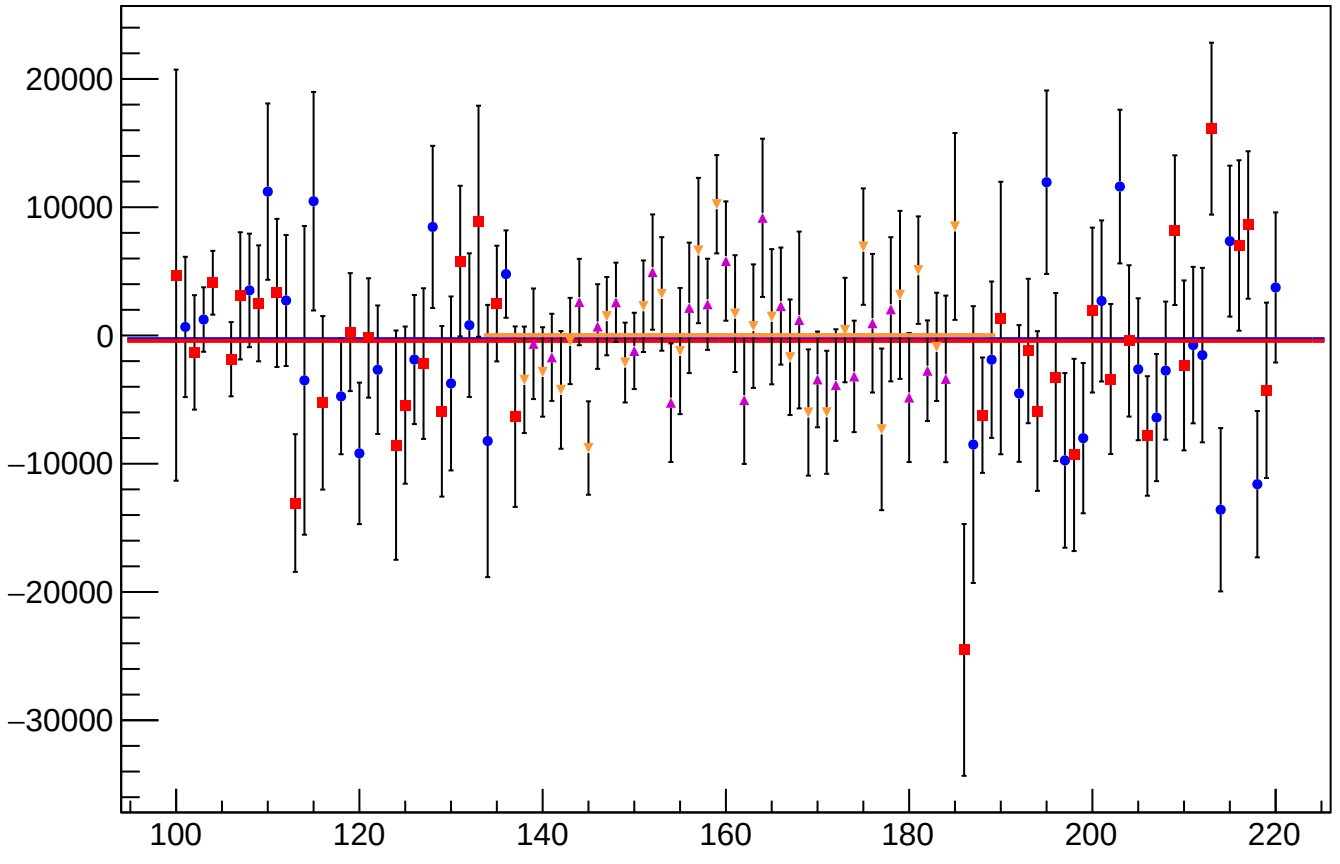
Right Out: 1202.555+/-0.188 χ^2/NDF: 1103367.2/35

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1157.949+/-0.130 χ^2/NDF: 1423474.8/57

All: 1153.897+/-0.092 χ^2/NDF: 2761829.9/11

- sign 1149.797+/-0.131 χ^2/NDF: 1336397.5/58



Right In: -288.227+/-944.104 χ^2/NDF: 39.3/32

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -422.480+/-894.446 χ^2/NDF: 42.1/35

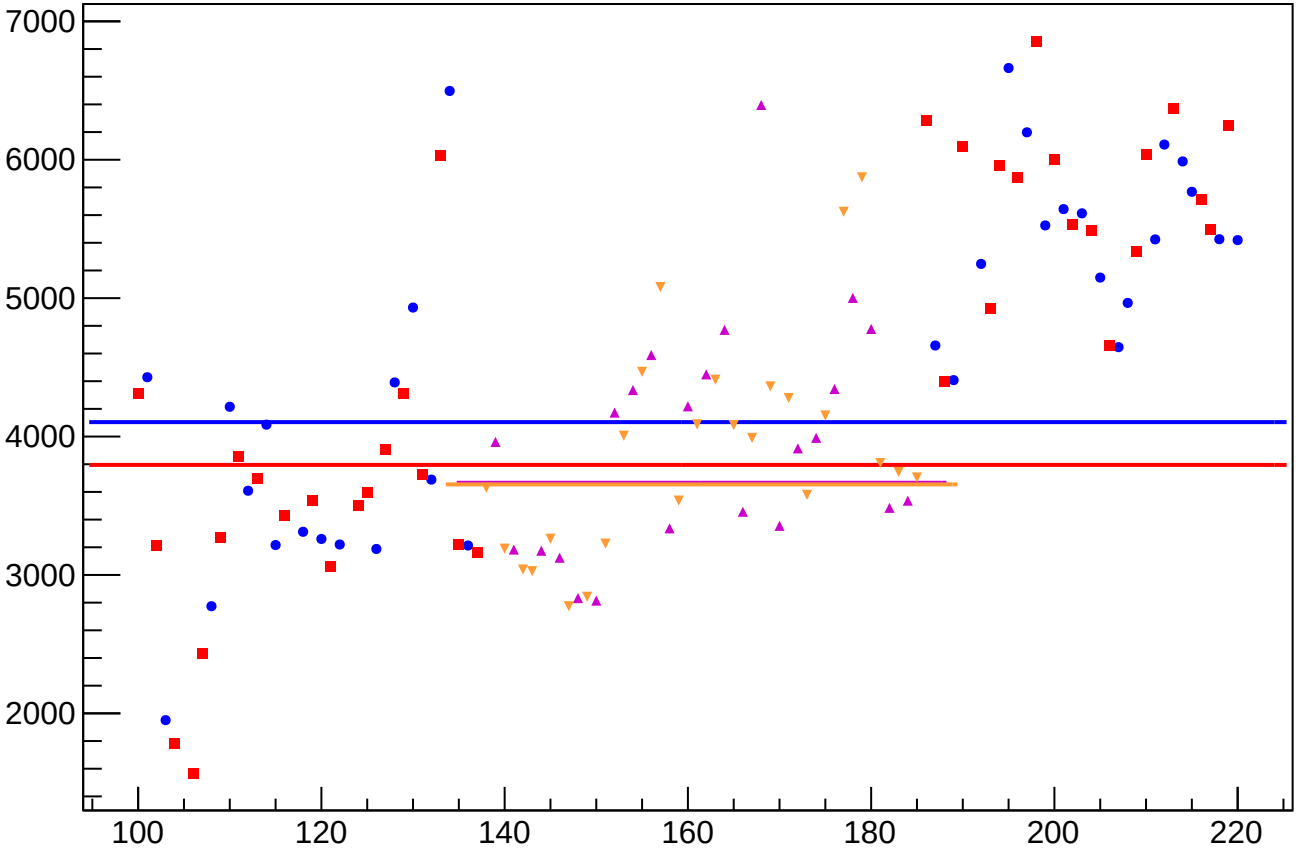
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign -116.204+/-631.864 χ^2/NDF: 67.8/57

All: -163.514+/-444.555 χ^2/NDF: 124.1/116

- sign -209.886+/-625.574 χ^2/NDF: 56.3/58

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 4104.307+/-0.668 χ^2/NDF: 4087876.1/32

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3795.073+/-0.632 χ^2/NDF: 5984356.9/35

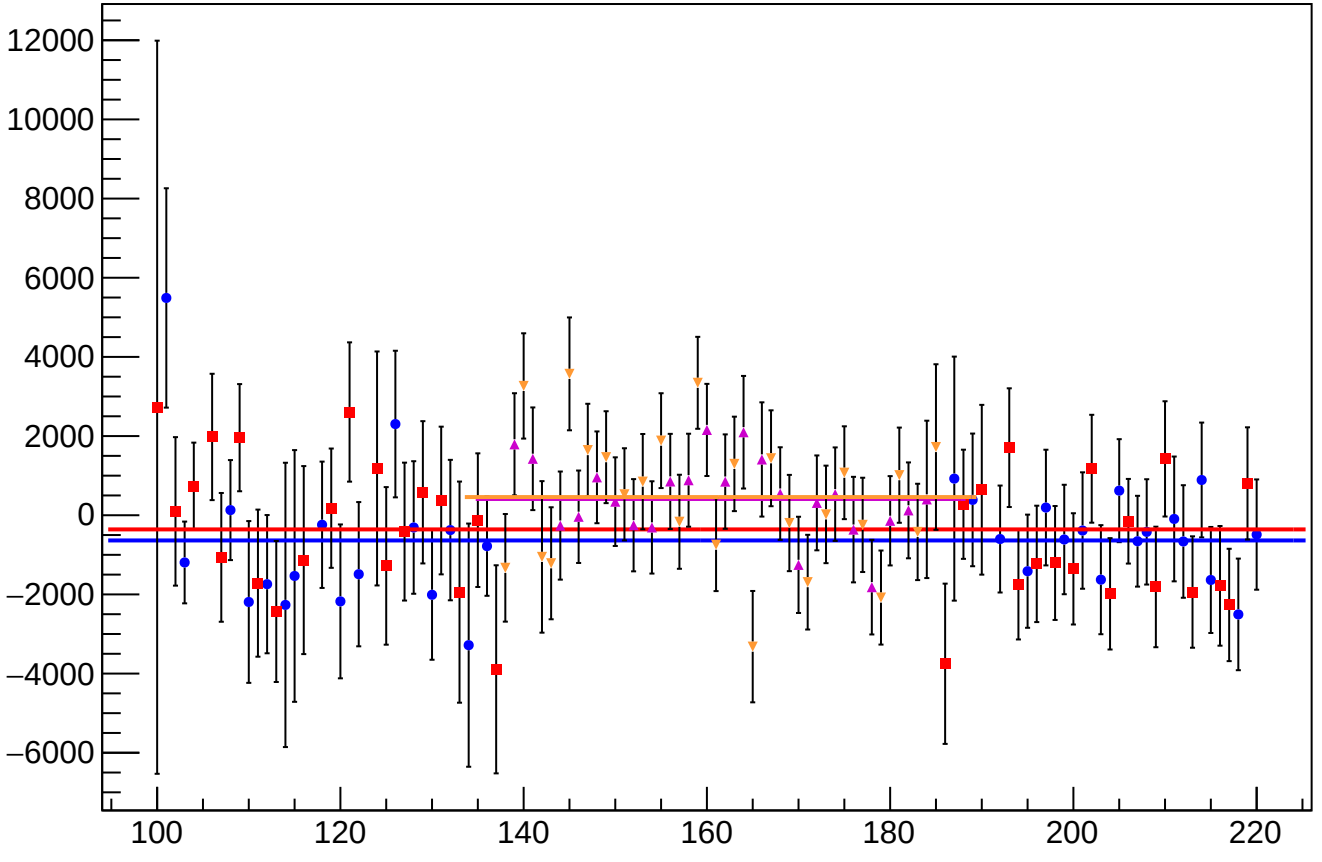
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3855.814+/-0.447 χ^2/NDF: 5650608.8/57

All: 3791.872+/-0.314 χ^2/NDF: 13040468.1/1

- sign 3729.197+/-0.442 χ^2/NDF: 7349302.9/58

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -636.726+/-269.014 χ^2/NDF: 18.1/32

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -357.729+/-266.607 χ^2/NDF: 31.5/35

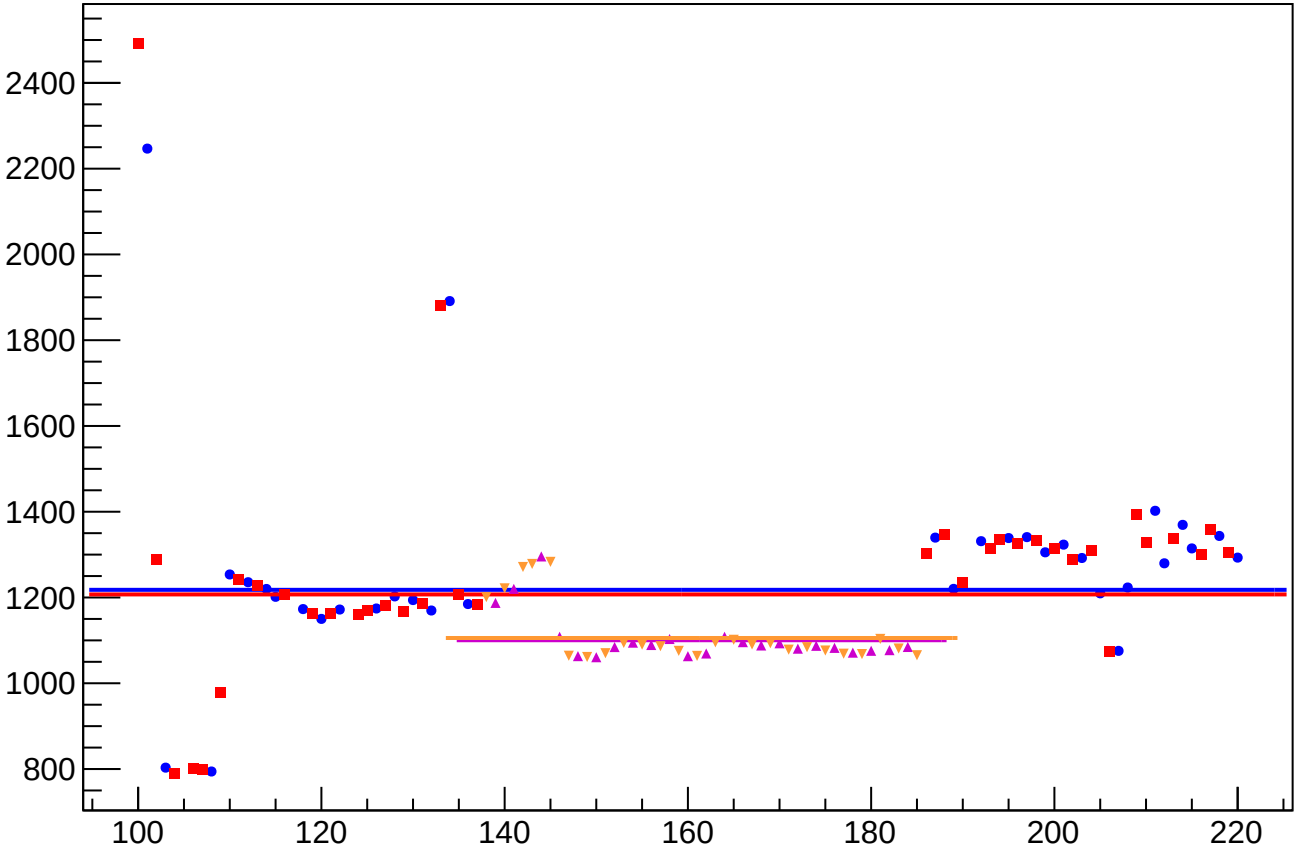
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign -52.203+/-183.732 χ^2/NDF: 69.0/57

All: -6.186+/-130.401 χ^2/NDF: 118.6/116

- sign 40.520+/-185.105 χ^2/NDF: 49.5/58

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1217.884+/-0.190 χ^2/NDF: 1115451.2/32

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1207.152+/-0.188 χ^2/NDF: 1018539.8/35

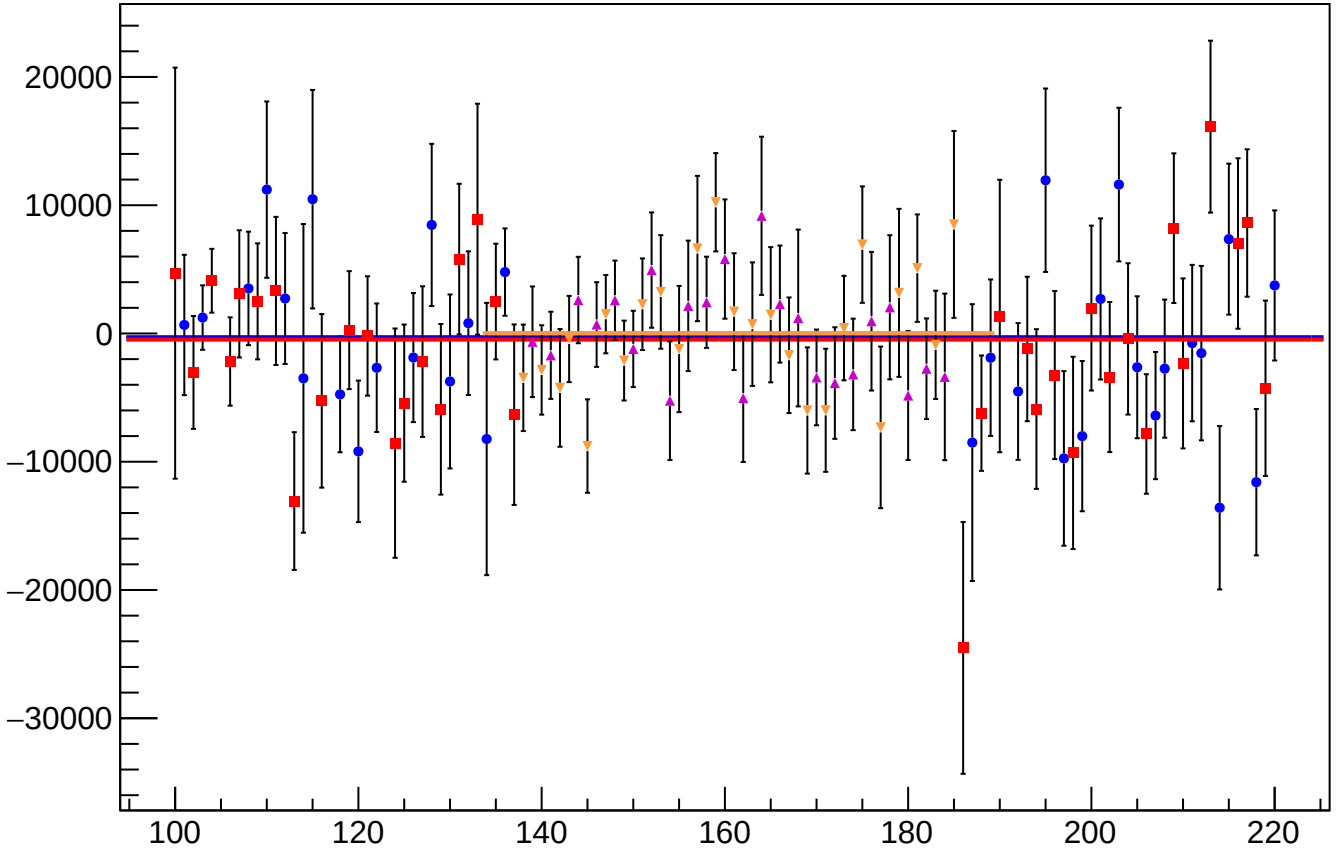
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1157.950+/-0.130 χ^2/NDF: 1423470.8/57

All: 1154.935+/-0.092 χ^2/NDF: 2689715.0/11

- sign 1151.877+/-0.131 χ^2/NDF: 1265159.5/58

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: -288.602+/-944.126 χ^2/NDF: 39.3/32

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -478.649+/-906.728 χ^2/NDF: 42.5/35

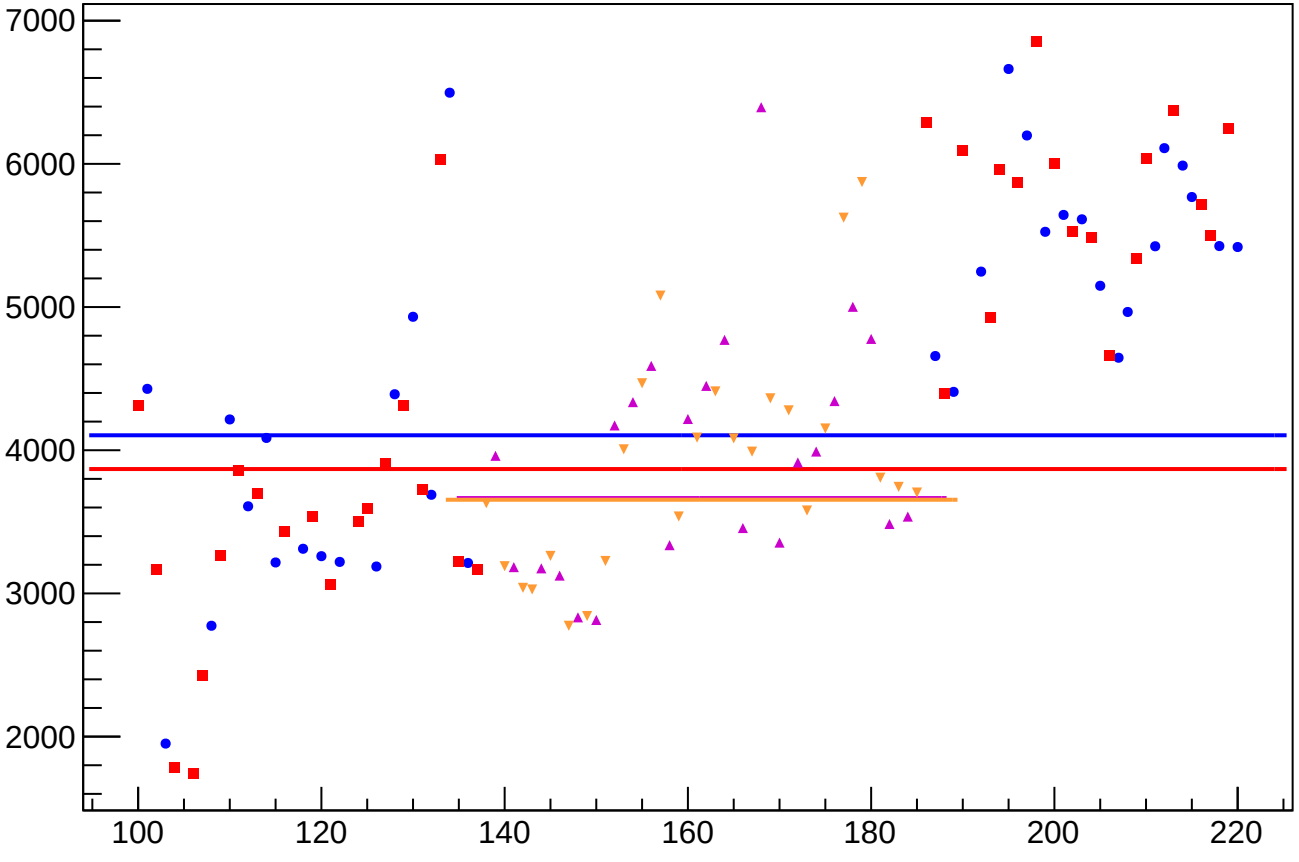
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign -116.370+/-631.870 χ^2/NDF: 67.8/57

All: -175.470+/-446.042 χ^2/NDF: 124.5/116

- sign -234.170+/-629.731 χ^2/NDF: 56.6/58

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 4104.458+/-0.668 χ^2/NDF: 4086887.9/32

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3868.673+/-0.641 χ^2/NDF: 5502499.2/35

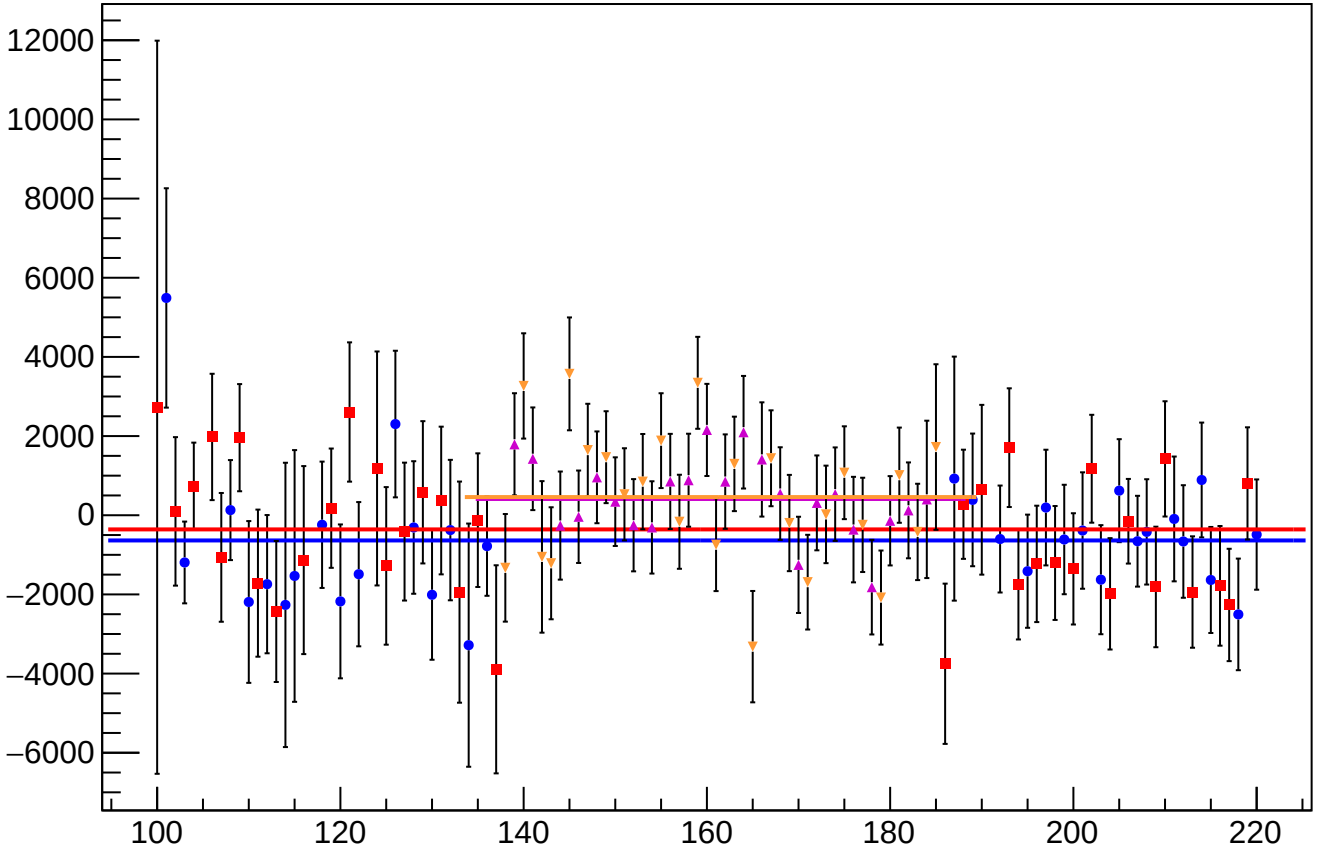
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3855.875+/-0.447 χ^2/NDF: 5649793.2/57

All: 3809.690+/-0.315 χ^2/NDF: 12568969.4/1

- sign 3763.817+/-0.445 χ^2/NDF: 6897878.3/58

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -636.726+/-269.014 χ^2/NDF: 18.1/32

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -357.729+/-266.607 χ^2/NDF: 31.5/35

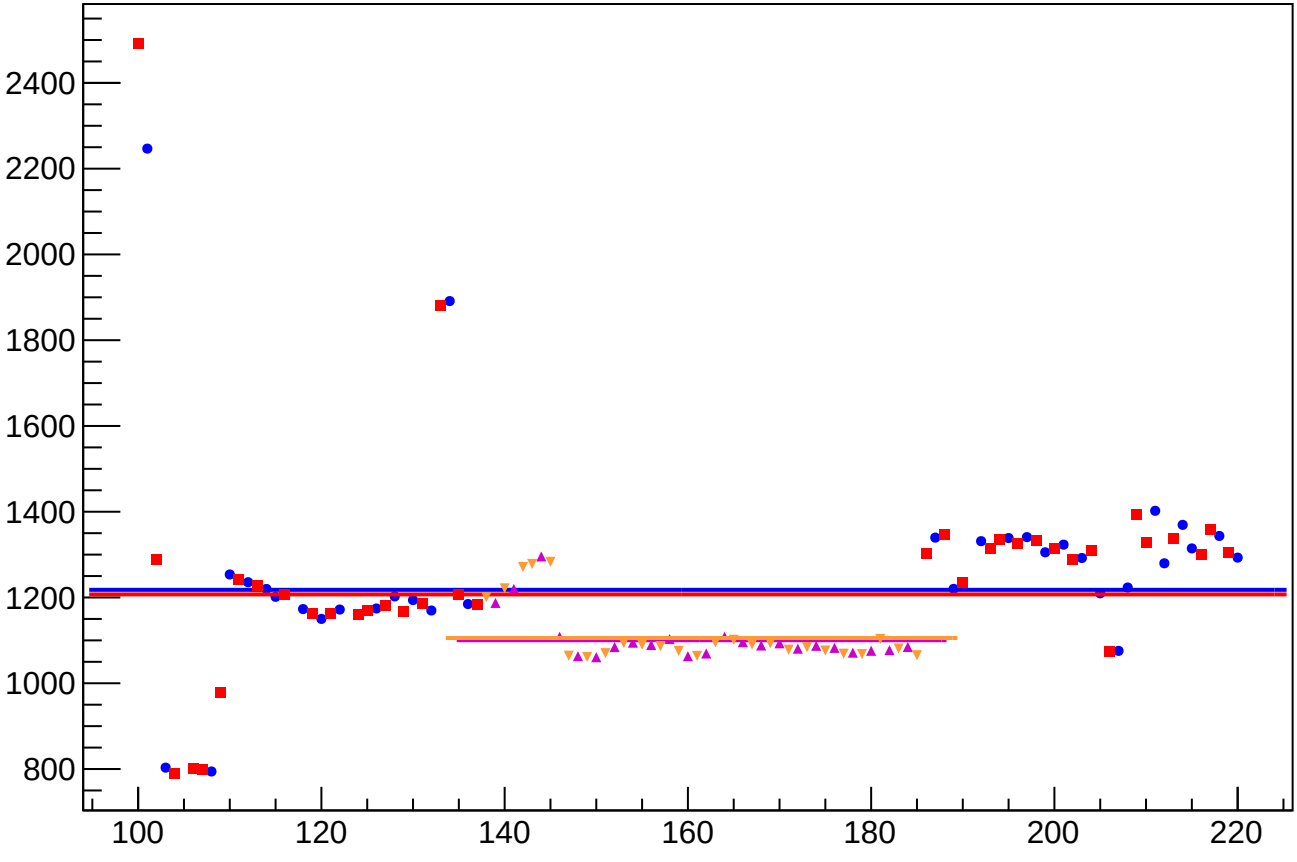
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign -52.203+/-183.732 χ^2/NDF: 69.0/57

All: -6.186+/-130.401 χ^2/NDF: 118.6/116

- sign 40.520+/-185.105 χ^2/NDF: 49.5/58

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1217.884+/-0.190 χ^2/NDF: 1115451.2/32

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

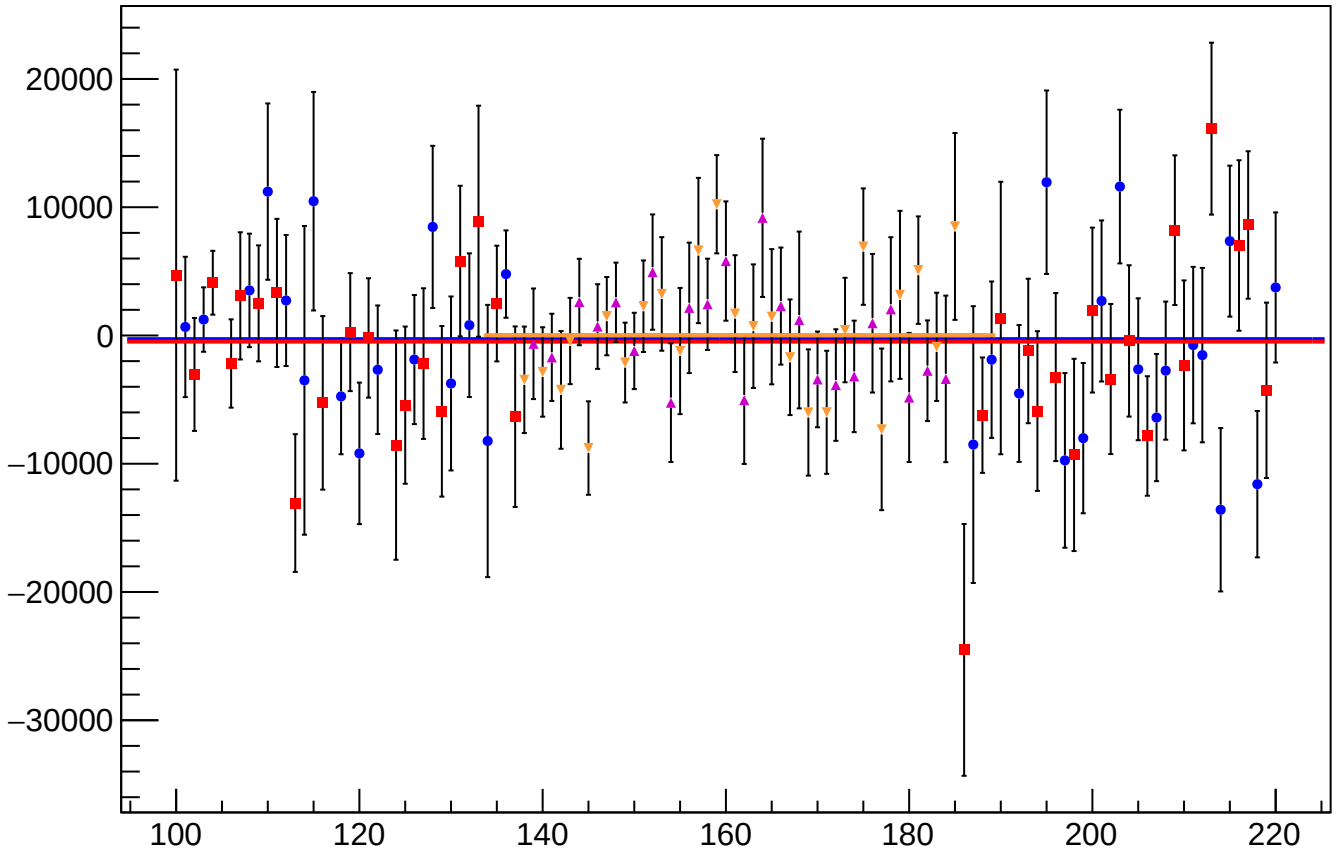
Right Out: 1207.152+/-0.188 χ^2/NDF: 1018539.8/35

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1157.950+/-0.130 χ^2/NDF: 1423470.8/57

All: 1154.935+/-0.092 χ^2/NDF: 2689715.0/11

- sign 1151.877+/-0.131 χ^2/NDF: 1265159.5/58



Right In: -288.602+/-944.126 χ^2/NDF: 39.3/32

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

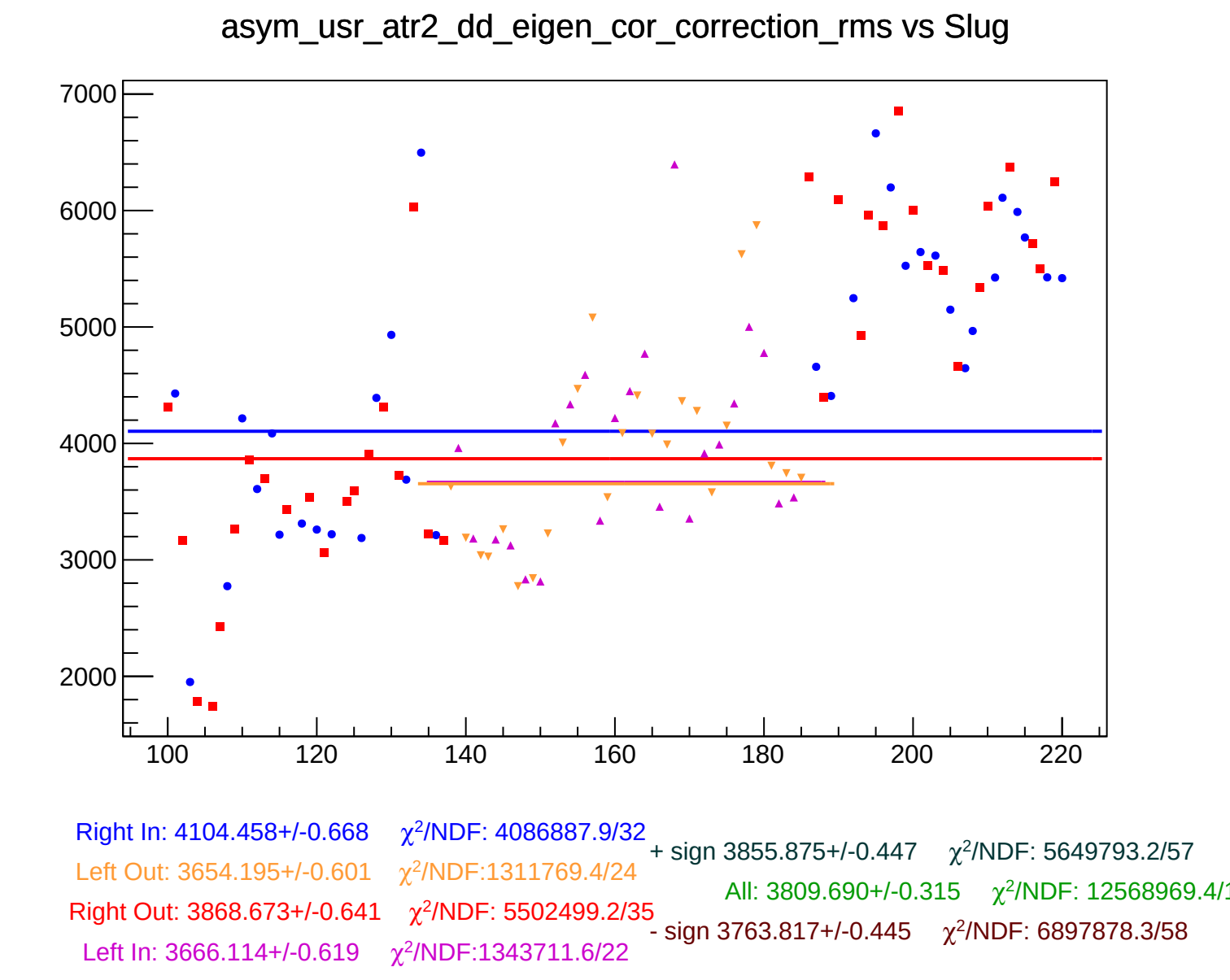
Right Out: -478.649+/-906.728 χ^2/NDF: 42.5/35

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign -116.370+/-631.870 χ^2/NDF: 67.8/57

All: -175.470+/-446.042 χ^2/NDF: 124.5/116

- sign -234.170+/-629.731 χ^2/NDF: 56.6/58


asym_usr_atr2_dd_eigen_cor_correction_rms vs Slug
7000
6000
5000
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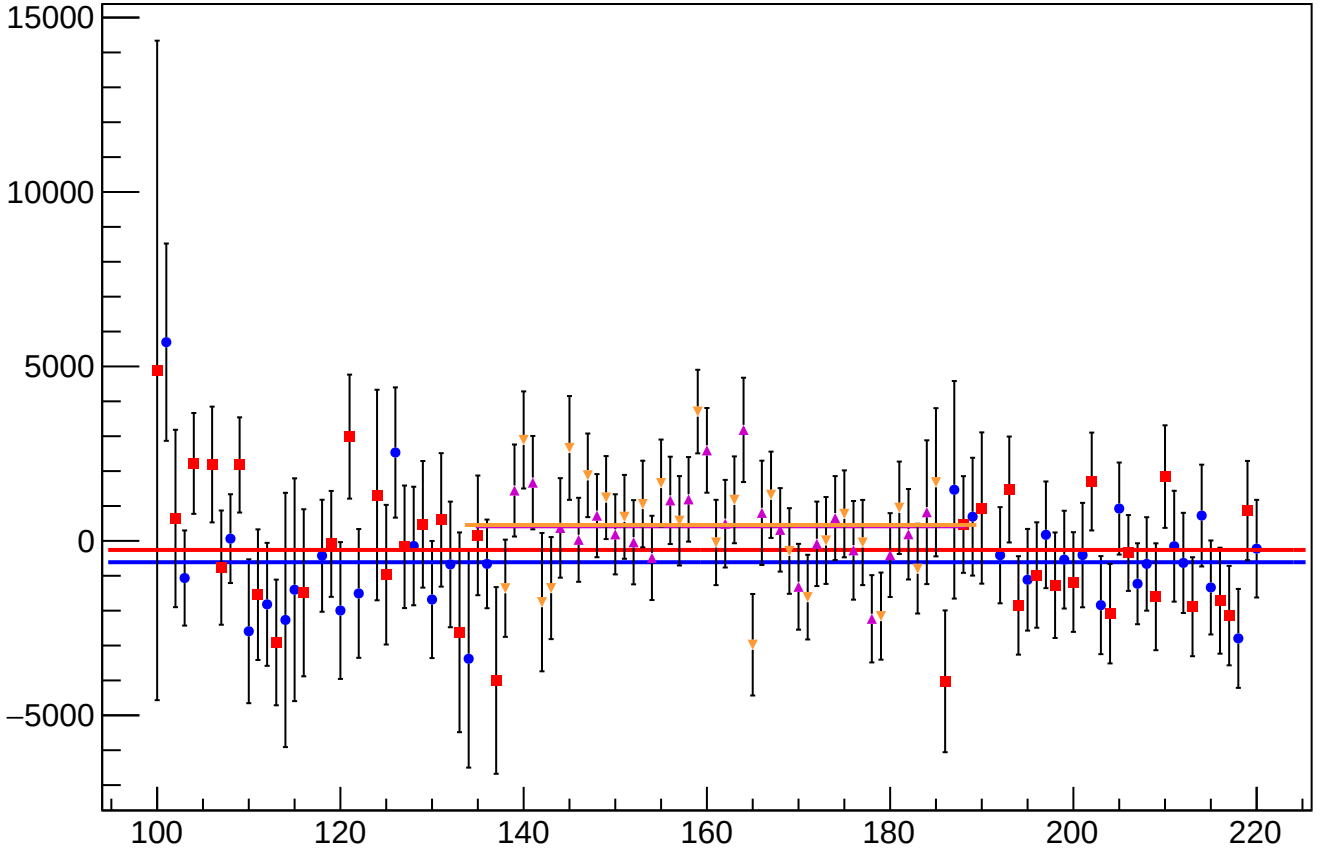
160
180
200
220
Right In: 4104.458+/-0.668 χ²/NDF: 4086887.9/32
Left Out: 3654.195+/-0.601 χ²/NDF:1311769.4/24
Right Out: 3868.673+/-0.641 χ²/NDF: 5502499.2/35
Left In: 3666.114+/-0.619 χ²/NDF:1343711.6/22
+ sign 3855.875+/-0.447 χ²/NDF: 5649793.2/57
All: 3809.690+/-0.315 χ²/NDF: 12568969.4/1
- sign 3763.817+/-0.445 χ²/NDF: 6897878.3/58

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -611.620+/-276.313 χ^2/NDF: 19.4/32

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -259.607+/-274.955 χ^2/NDF: 37.2/35

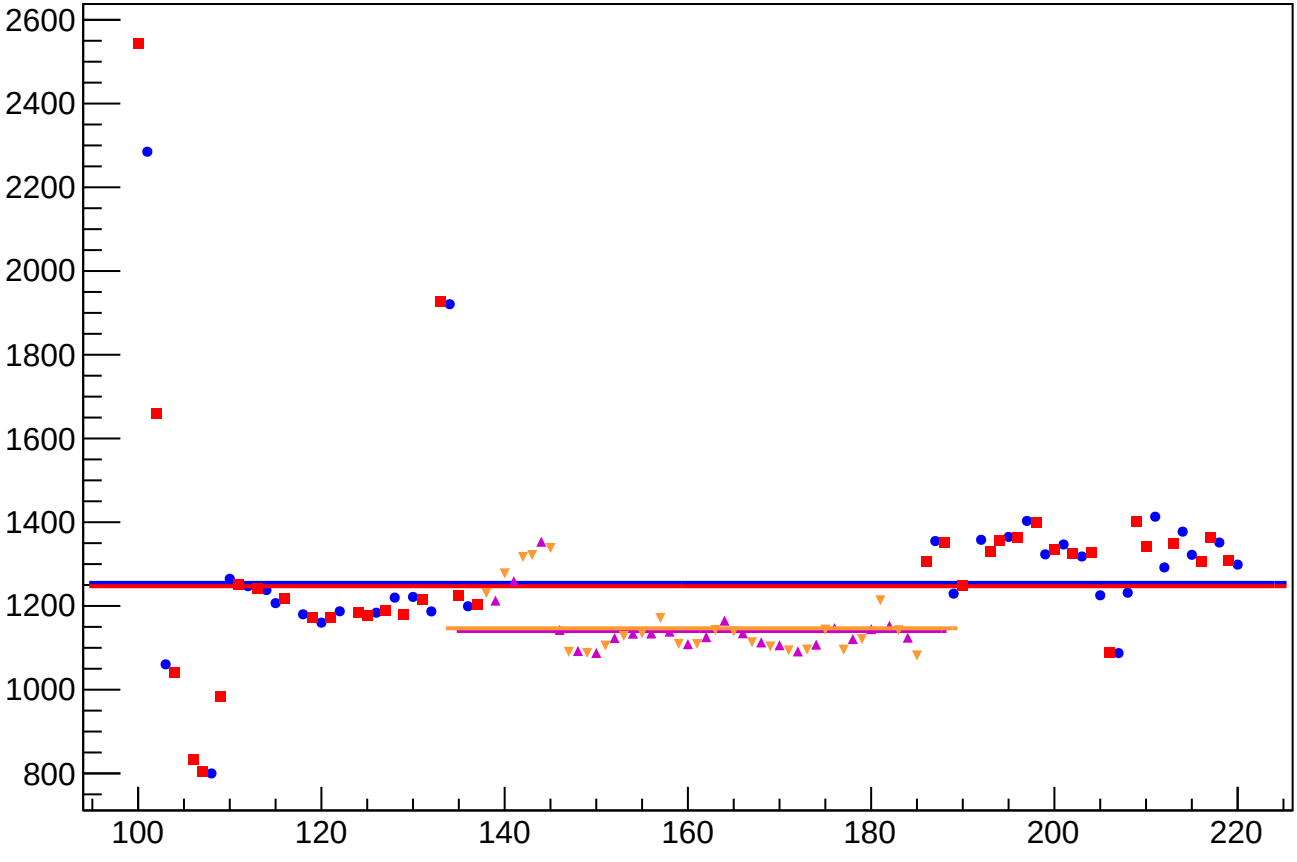
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign -47.573+/-189.739 χ^2/NDF: 63.4/57

All: 20.249+/-134.747 χ^2/NDF: 121.4/116

- sign 89.258+/-191.394 χ^2/NDF: 57.7/58

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1255.074+/-0.195 χ^2/NDF: 831341.5/32

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

Right Out: 1247.126+/-0.194 χ^2/NDF: 794680.6/35

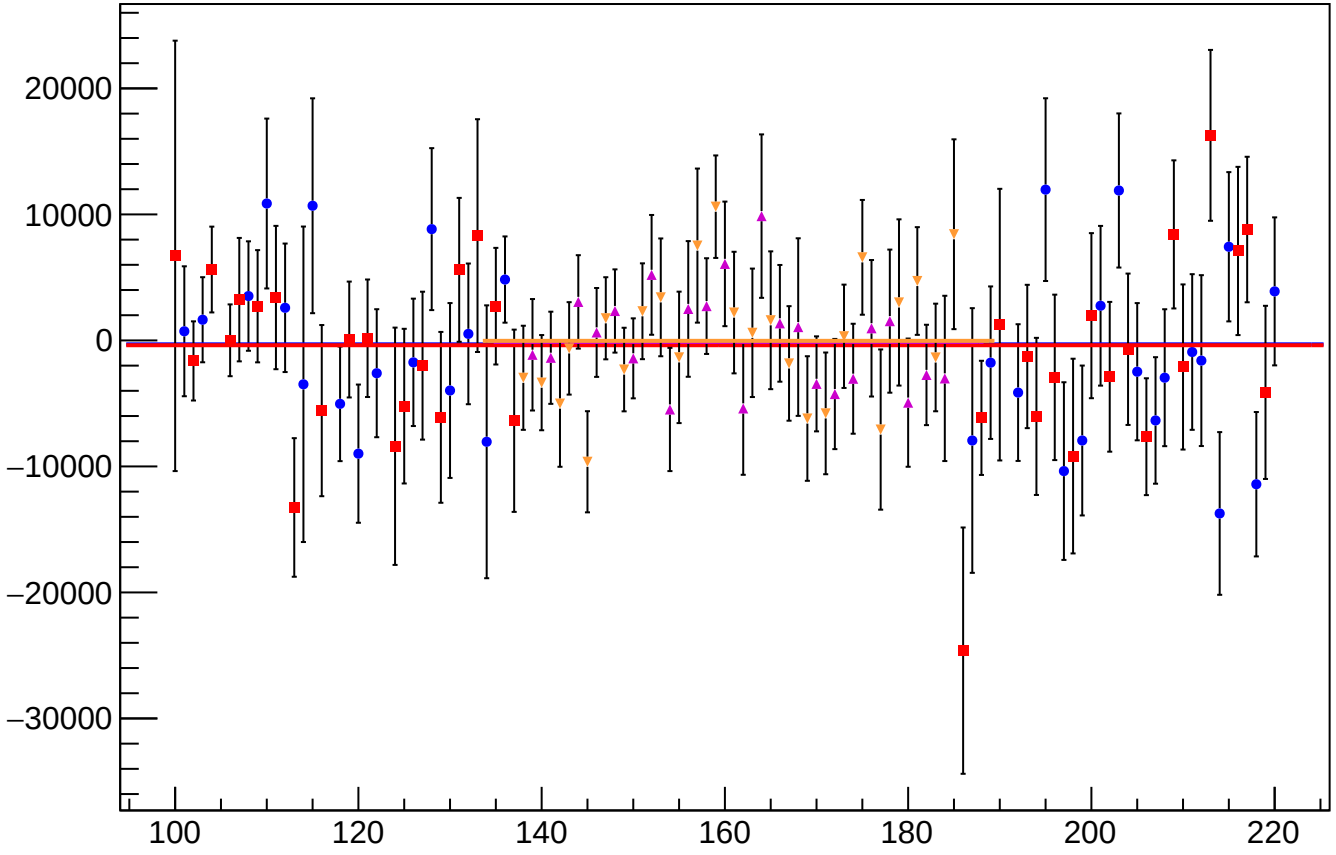
Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1197.756+/-0.134 χ^2/NDF: 1135206.4/57

All: 1194.905+/-0.095 χ^2/NDF: 2171566.6/11

- sign 1192.004+/-0.135 χ^2/NDF: 1035448.9/58

asym_usr_atr2_dd_dit_correction_mean vs Slug



Right In: -311.073+/-977.710 χ^2/NDF: 39.0/32

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -381.659+/-905.358 χ^2/NDF: 41.5/35

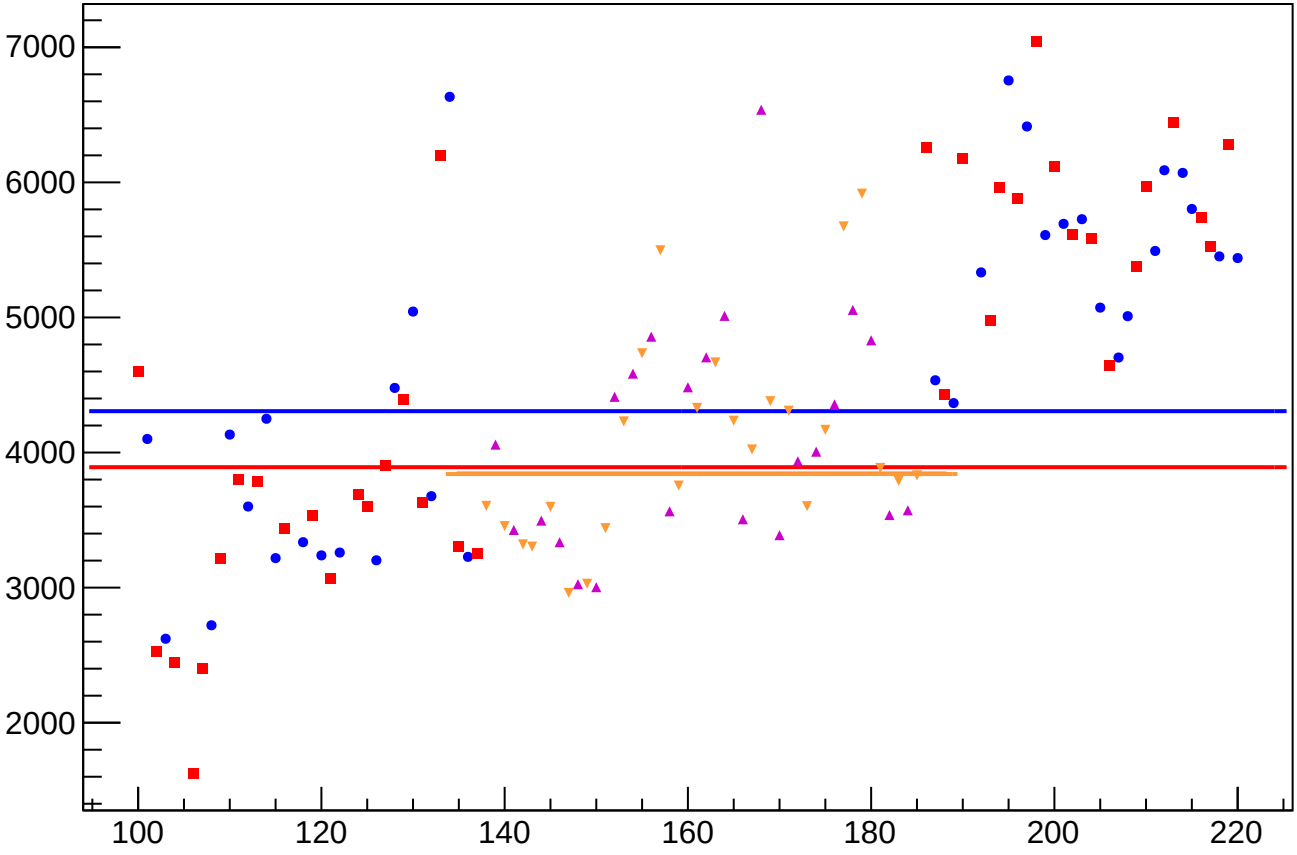
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign -159.518+/-658.707 χ^2/NDF: 66.8/57

All: -207.244+/-460.421 χ^2/NDF: 122.1/116

- sign -252.837+/-643.815 χ^2/NDF: 55.4/58

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 4306.247+/-0.691 χ^2/NDF: 3036408.9/32

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3891.464+/-0.640 χ^2/NDF: 5345042.0/35

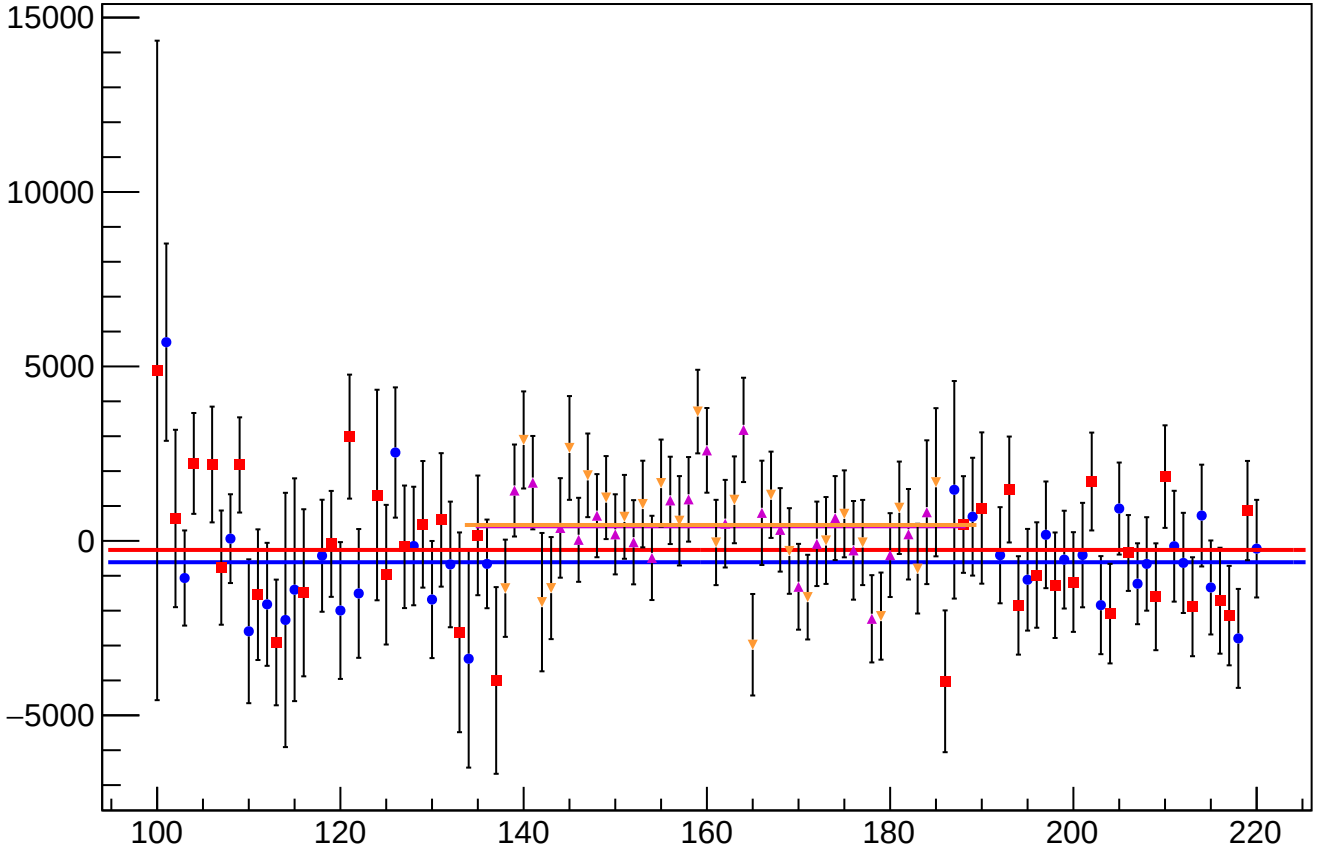
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

\+ sign 4052.085+/-0.466 χ^2/NDF: 4402567.7/57

All: 3957.769+/-0.326 χ^2/NDF: 11026634.8/1

\- sign 3867.670+/-0.455 χ^2/NDF: 6543894.4/58

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -611.615+/-276.312 χ^2/NDF: 19.4/32

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -259.607+/-274.955 χ^2/NDF: 37.2/35

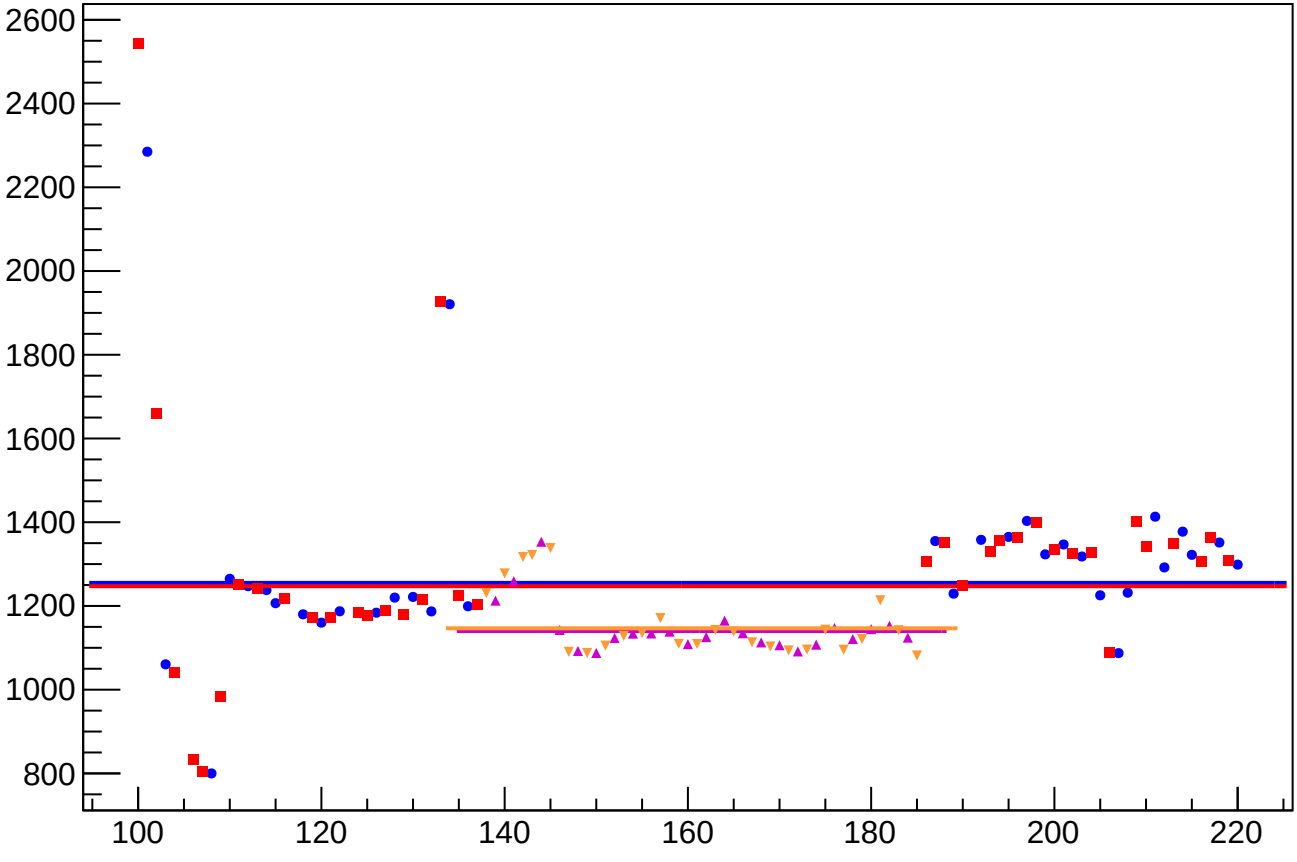
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign -47.569+/-189.739 χ^2/NDF: 63.4/57

All: 20.251+/-134.747 χ^2/NDF: 121.4/116

- sign 89.258+/-191.394 χ^2/NDF: 57.7/58

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1255.074+/-0.195 χ^2/NDF: 831342.4/32

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

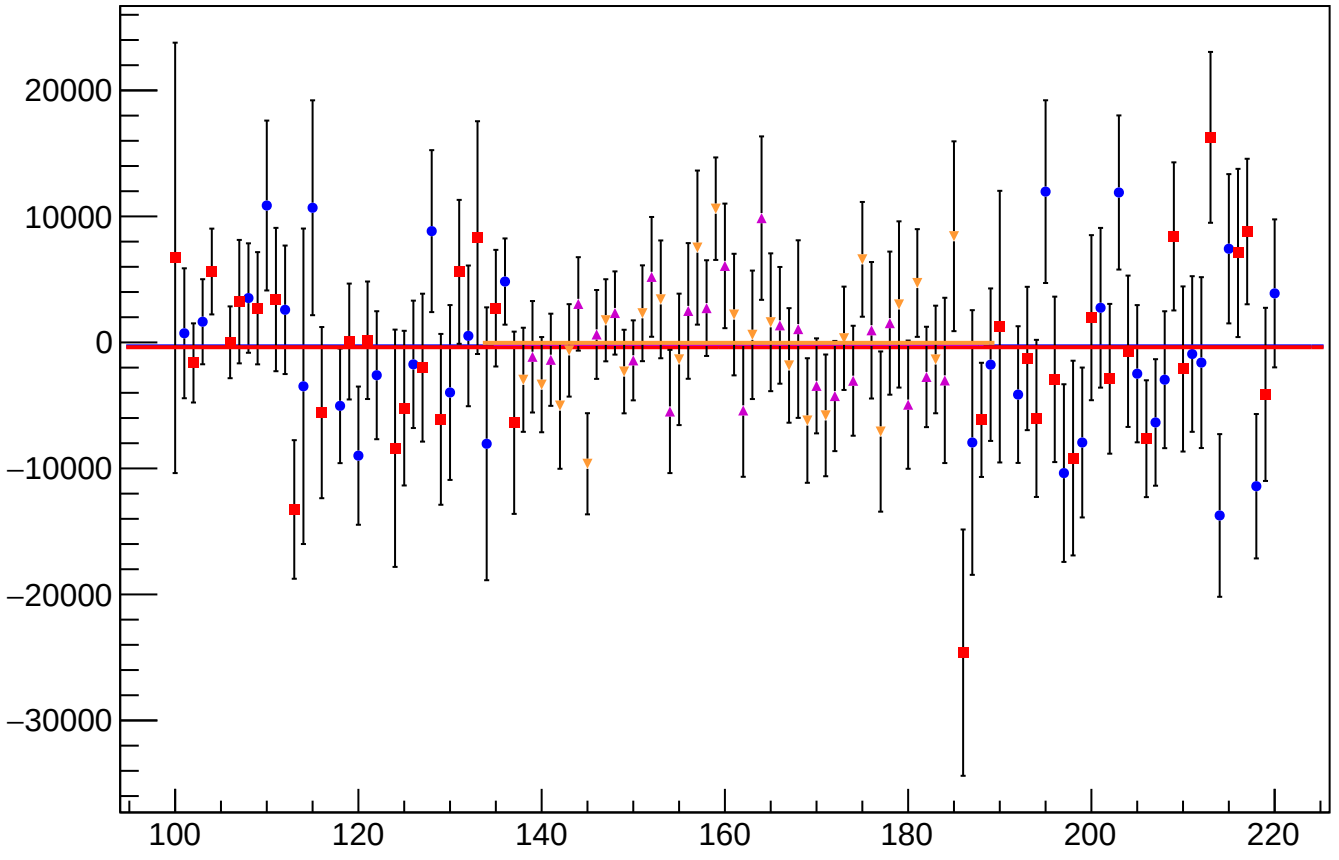
Right Out: 1247.126+/-0.194 χ^2/NDF: 794680.0/35

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1197.757+/-0.134 χ^2/NDF: 1135205.3/57

All: 1194.905+/-0.095 χ^2/NDF: 2171562.9/11

- sign 1192.004+/-0.135 χ^2/NDF: 1035446.3/58



Right In: -311.080+/-977.710 χ^2/NDF: 39.0/32

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

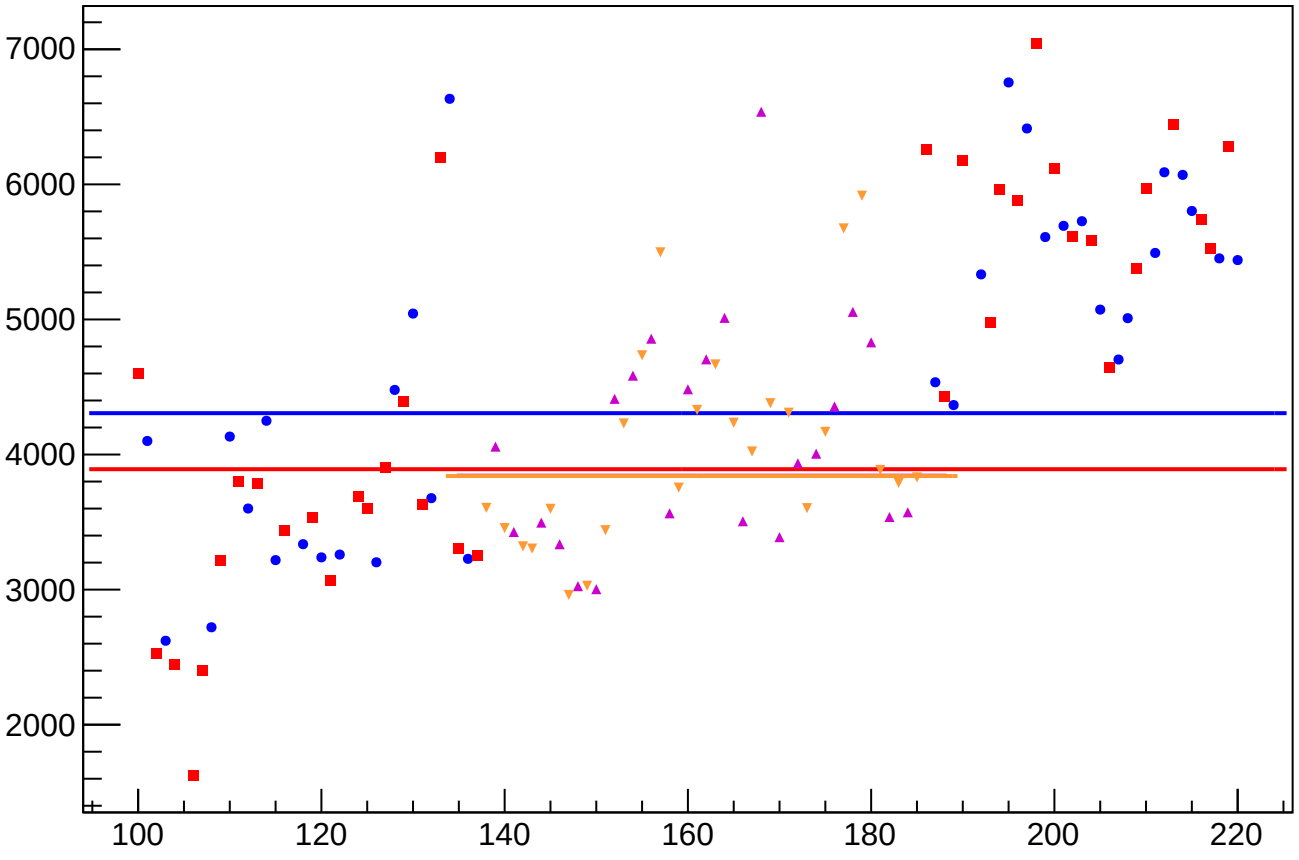
Right Out: -381.654+/-905.357 χ^2/NDF: 41.5/35

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign -159.521+/-658.708 χ^2/NDF: 66.8/57

All: -207.245+/-460.421 χ^2/NDF: 122.1/116

- sign -252.836+/-643.815 χ^2/NDF: 55.4/58



Right In: 4306.245+/-0.691 χ^2/NDF: 3036422.9/32

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3891.460+/-0.640 χ^2/NDF: 5345073.8/35

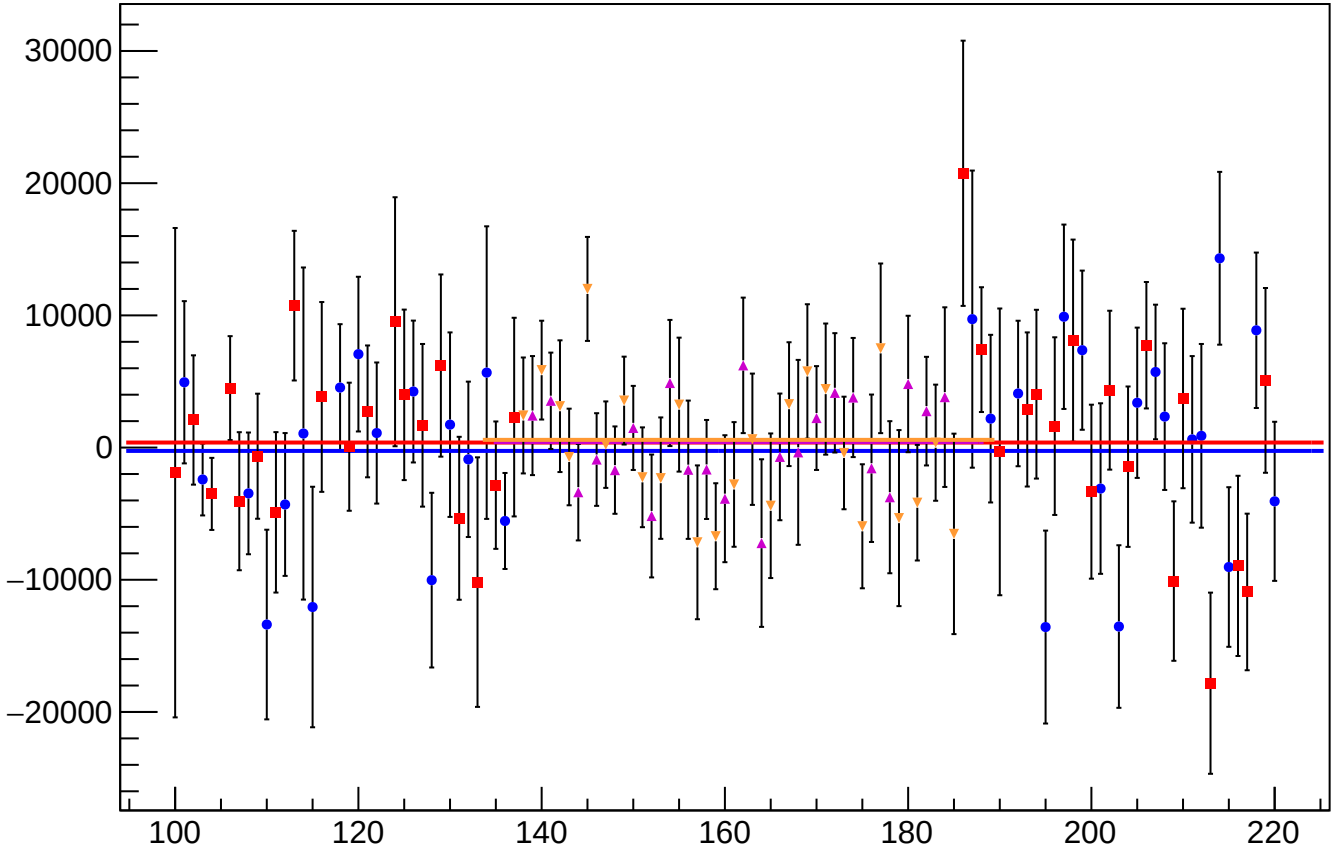
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 4052.088+/-0.466 χ^2/NDF: 4402575.6/57

All: 3957.771+/-0.326 χ^2/NDF: 11026679.0/1

- sign 3867.670+/-0.455 χ^2/NDF: 6543929.1/58

asym_usr_atr2_dd_mean vs Slug



Right In: -253.063+/-990.810 χ^2/NDF: 40.9/32

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 381.368+/-959.440 χ^2/NDF: 40.6/35

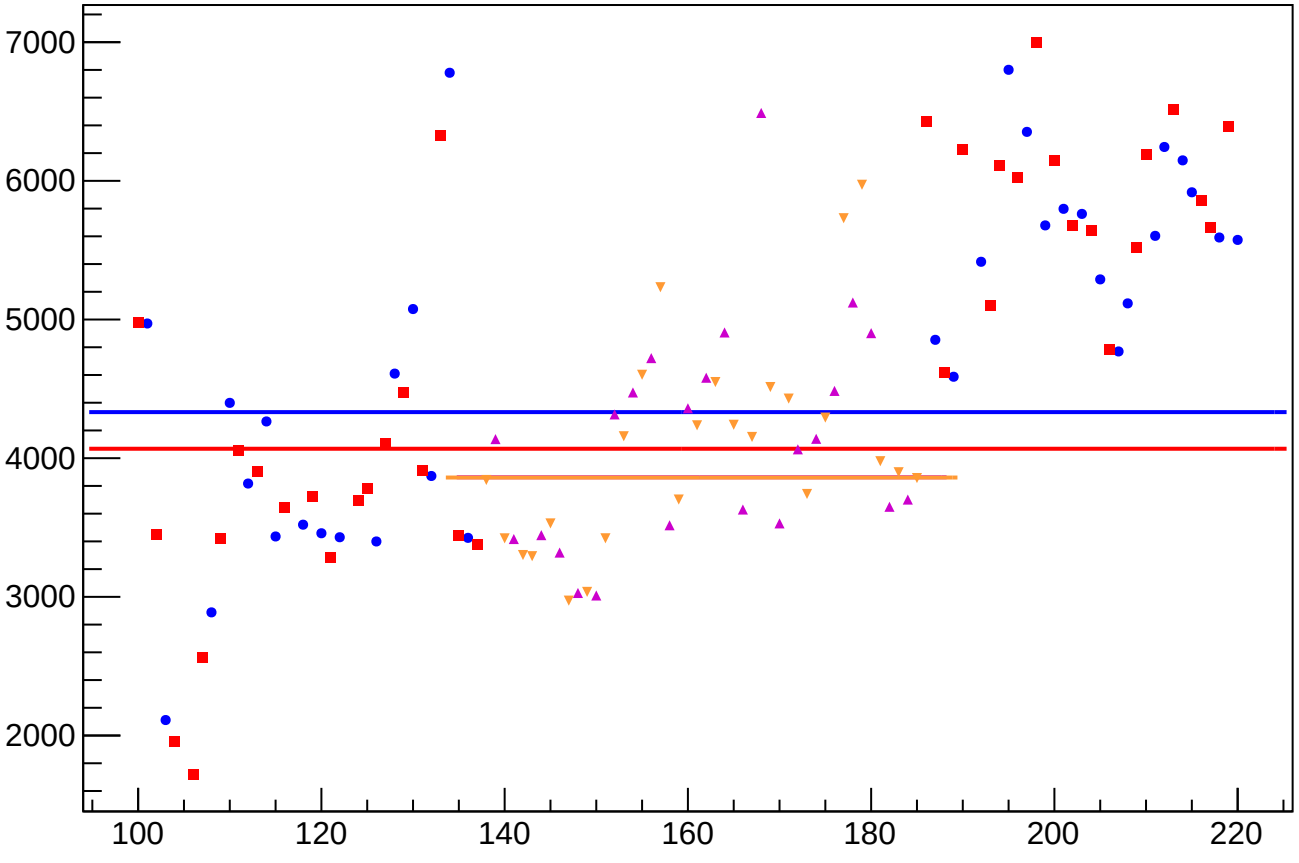
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

+ sign 207.535+/-664.116 χ^2/NDF: 68.7/57

All: 303.756+/-469.443 χ^2/NDF: 121.9/116

- sign 399.848+/-663.670 χ^2/NDF: 53.1/58

asym_usr_atr2_dd_rms vs Slug



Right In: 4332.280+/-0.701 χ^2/NDF: 3678332.1/32

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

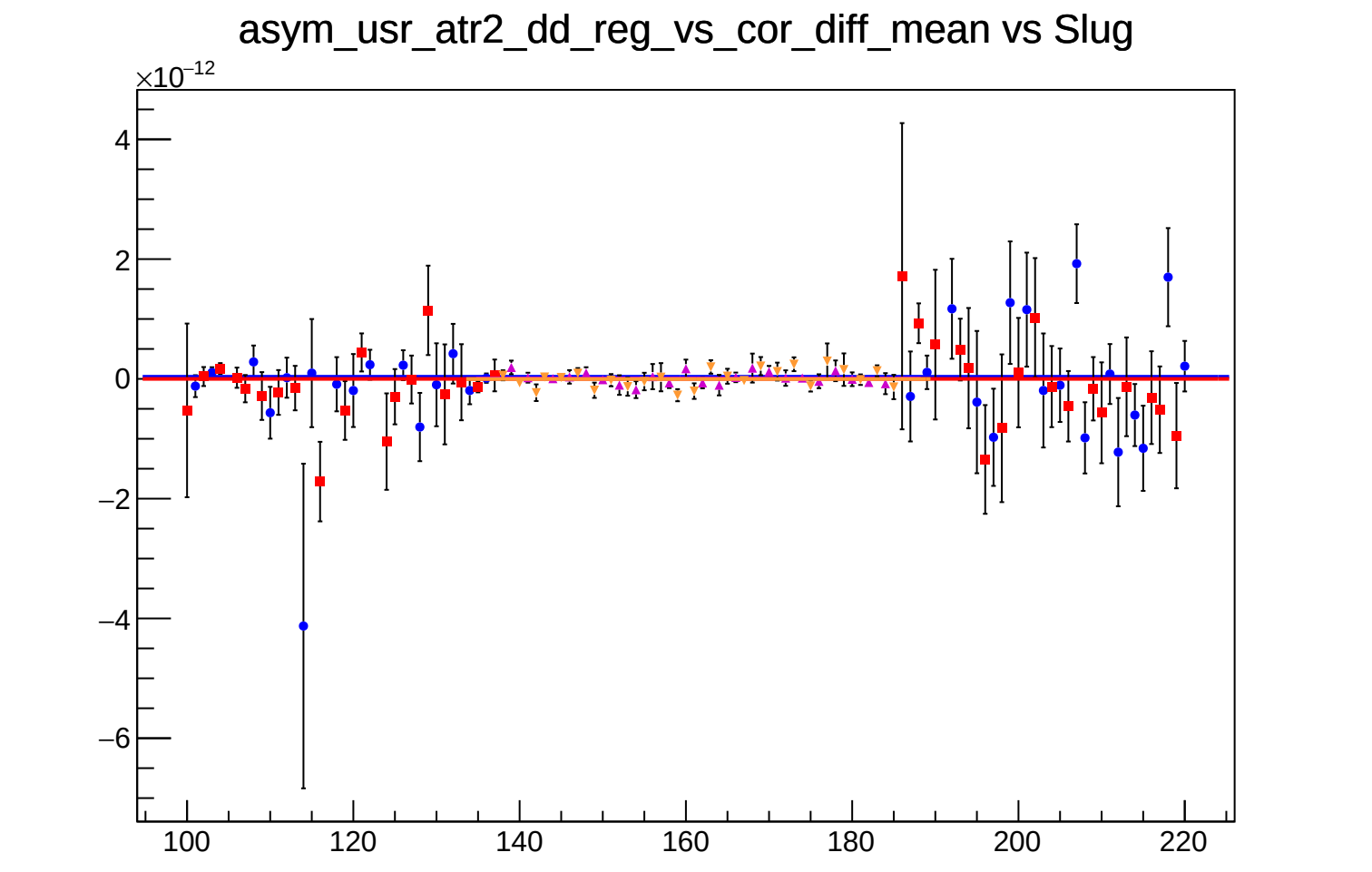
Right Out: 4068.099+/-0.671 χ^2/NDF: 5197265.0/35

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 4072.477+/-0.470 χ^2/NDF: 5025314.9/57

All: 4016.856+/-0.331 χ^2/NDF: 11441152.7/1

- sign 3961.865+/-0.467 χ^2/NDF: 6387939.1/58



Right In: 0.000+/-0.000 χ^2/NDF: 40.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

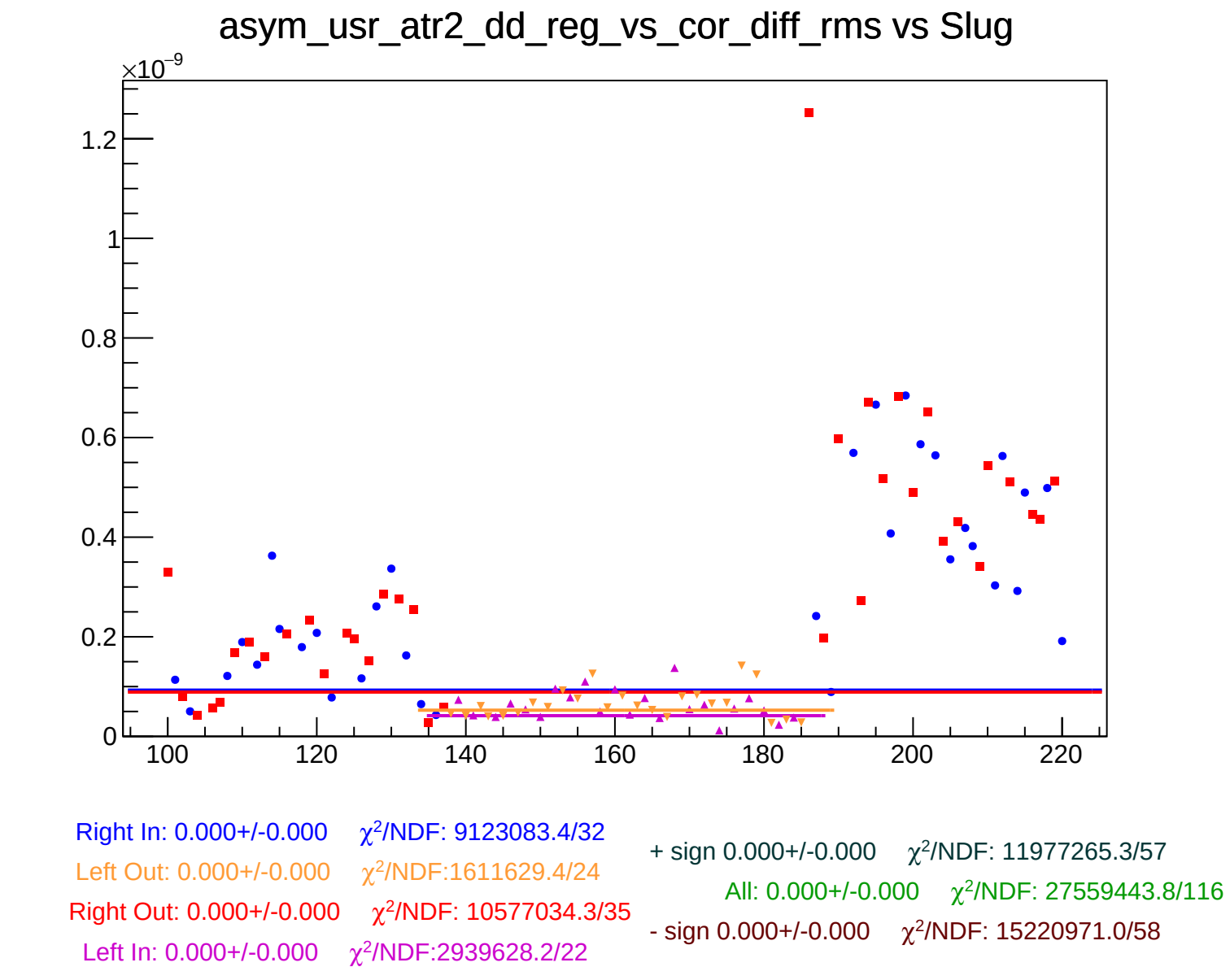
Right Out: -0.000+/-0.000 χ^2/NDF: 38.1/35

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

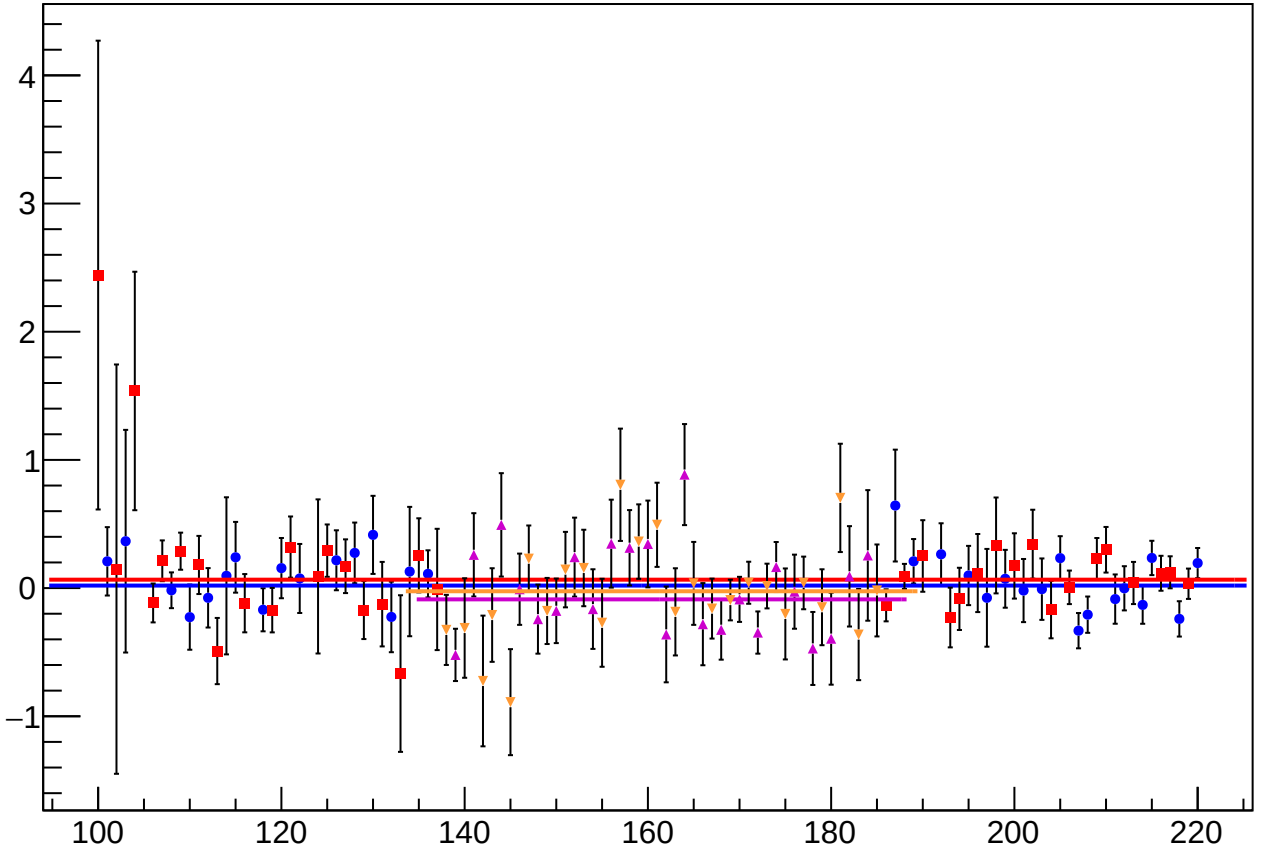
+ sign 0.000+/-0.000 χ^2/NDF: 75.1/57

All: 0.000+/-0.000 χ^2/NDF: 126.1/116

- sign 0.000+/-0.000 χ^2/NDF: 50.9/58


asym_usr_atr2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 9123083.4/32
Left Out: 0.000+/-0.000 χ²/NDF:1611629.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 10577034.3/35
Left In: 0.000+/-0.000 χ²/NDF:2939628.2/22
+ sign 0.000+/-0.000 χ²/NDF: 11977265.3/57
All: 0.000+/-0.000 χ²/NDF: 27559443.8/116
- sign 0.000+/-0.000 χ²/NDF: 15220971.0/58

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.035 χ^2/NDF: 33.7/32

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.066+/-0.032 χ^2/NDF: 33.5/35

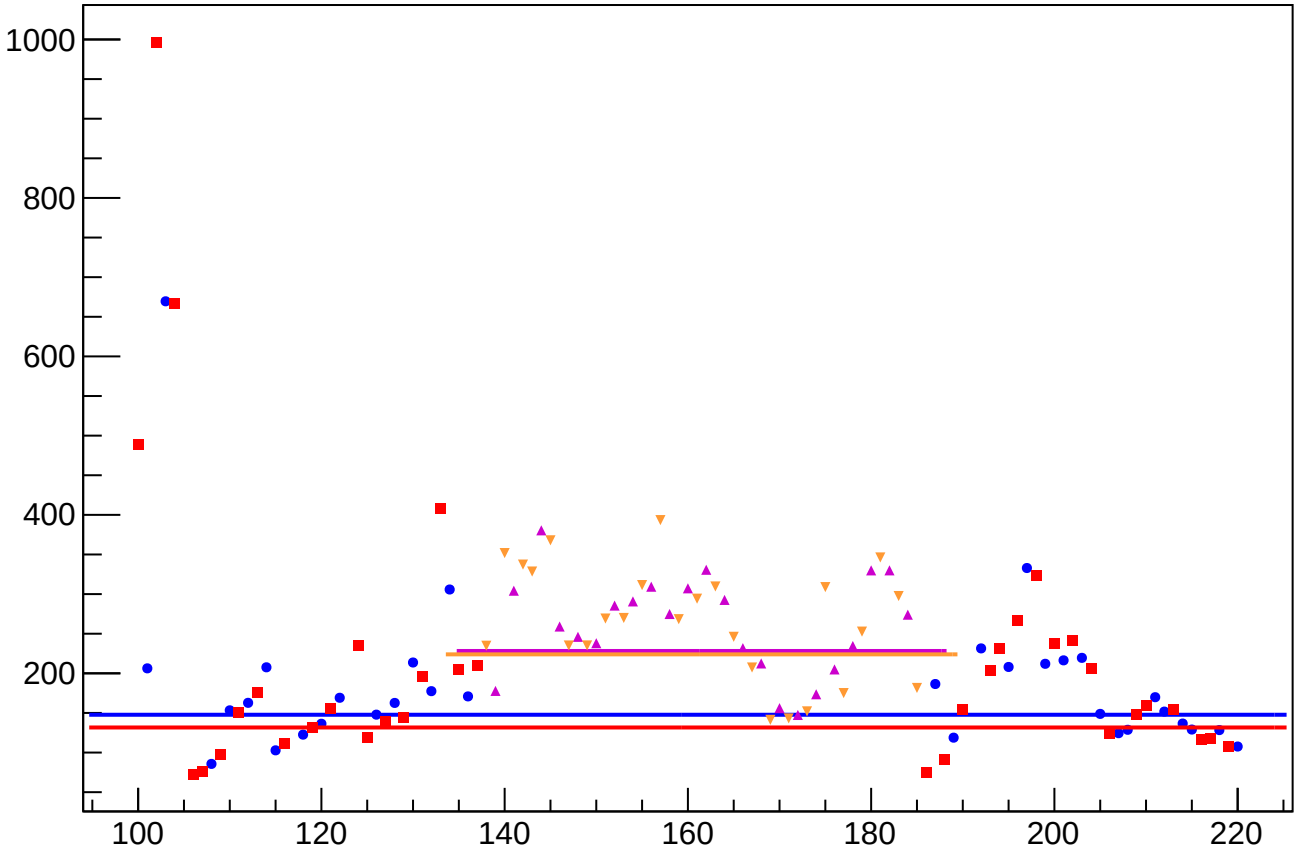
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.007+/-0.029 χ^2/NDF: 58.3/57

All: 0.018+/-0.020 χ^2/NDF: 127.6/116

- sign 0.028+/-0.028 χ^2/NDF: 69.1/58

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 147.709+/-0.024 χ^2/NDF: 3569765.2/32

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 131.646+/-0.023 χ^2/NDF: 6220879.1/35

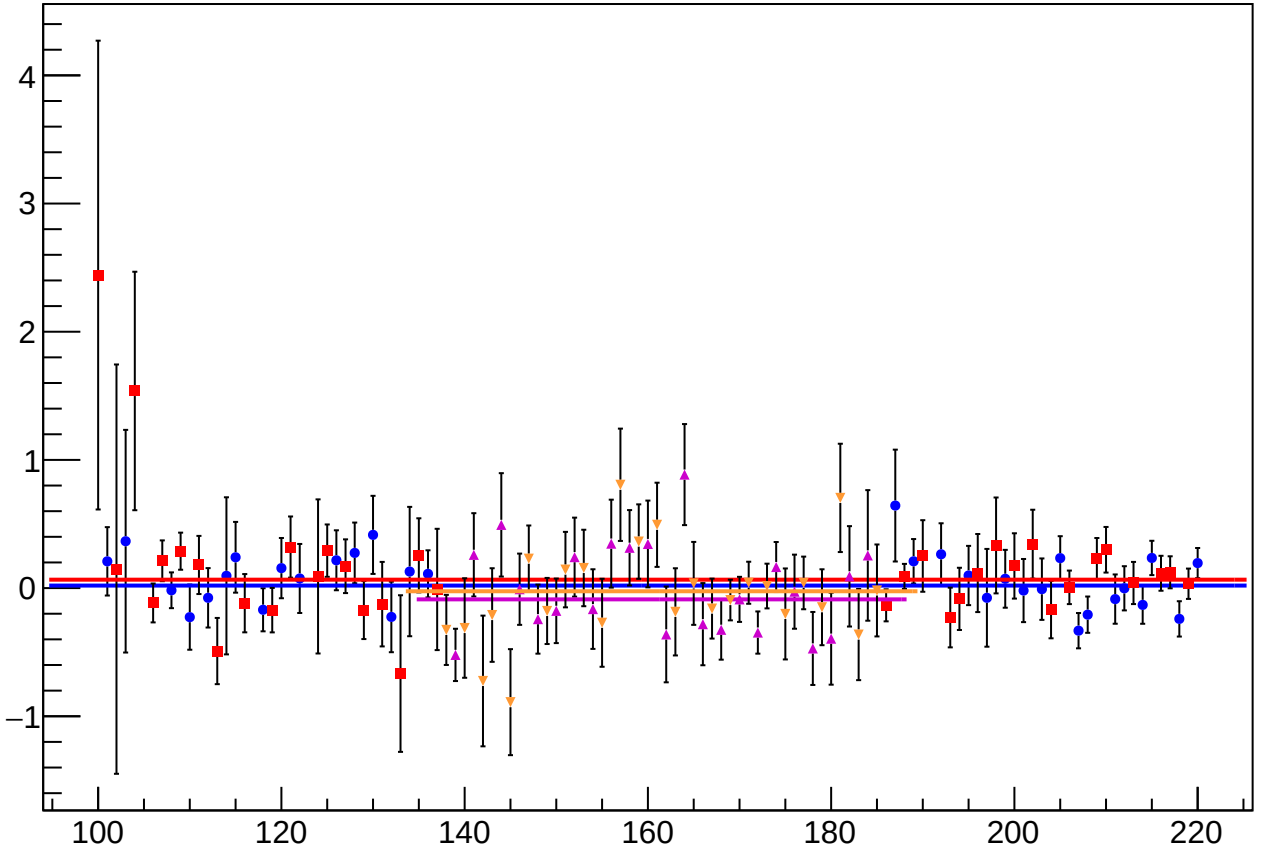
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 169.527+/-0.021 χ^2/NDF: 9791449.2/57

All: 161.969+/-0.014 χ^2/NDF: 23156604.3/11

- sign 155.070+/-0.020 χ^2/NDF: 13108996.3/58

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.020+/-0.035 χ^2/NDF: 33.7/32

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.066+/-0.032 χ^2/NDF: 33.5/35

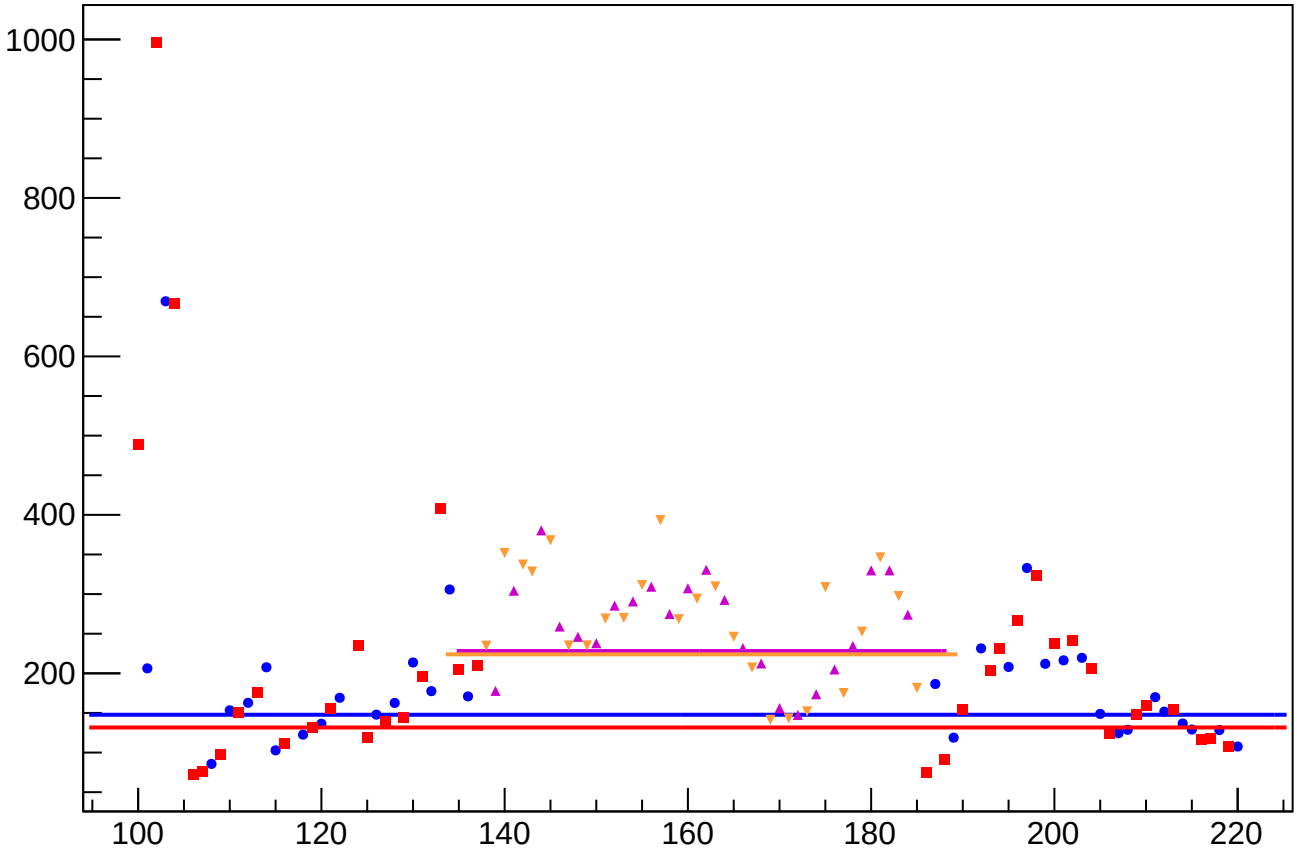
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.007+/-0.029 χ^2/NDF: 58.3/57

All: 0.018+/-0.020 χ^2/NDF: 127.6/116

- sign 0.028+/-0.028 χ^2/NDF: 69.1/58

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 147.709+/-0.024 χ^2/NDF: 3569765.2/32

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

Right Out: 131.646+/-0.023 χ^2/NDF: 6220879.1/35

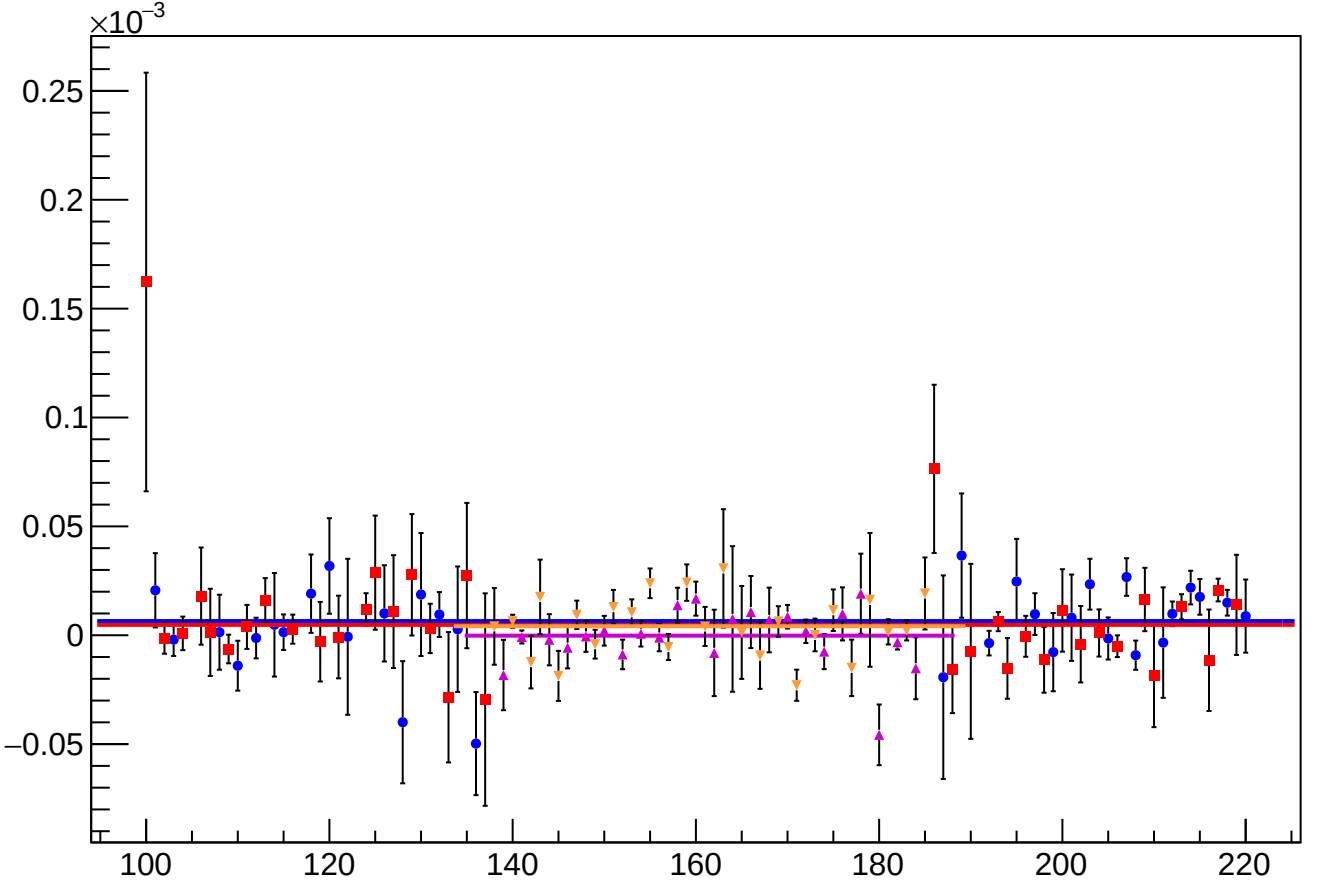
Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 169.527+/-0.021 χ^2/NDF: 9791449.2/57

All: 161.969+/-0.014 χ^2/NDF: 23156604.3/11

- sign 155.070+/-0.020 χ^2/NDF: 13108996.3/58

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 45.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 39.4/35

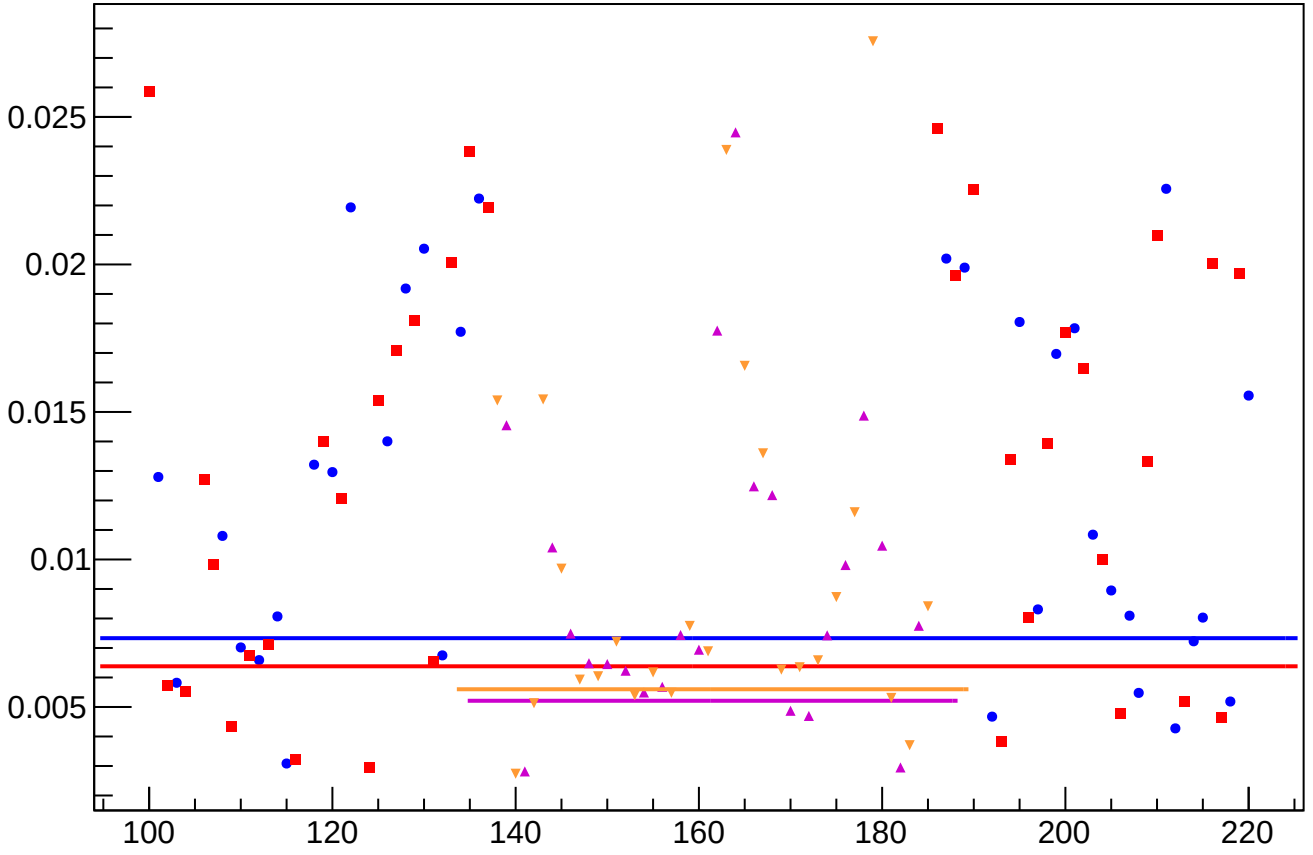
Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 95.1/57

All: 0.000+/-0.000 χ^2/NDF: 173.5/116

- sign 0.000+/-0.000 χ^2/NDF: 74.5/58

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 8841214.5/32

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

Right Out: 0.006+/-0.000 χ^2/NDF: 12122411.8/35

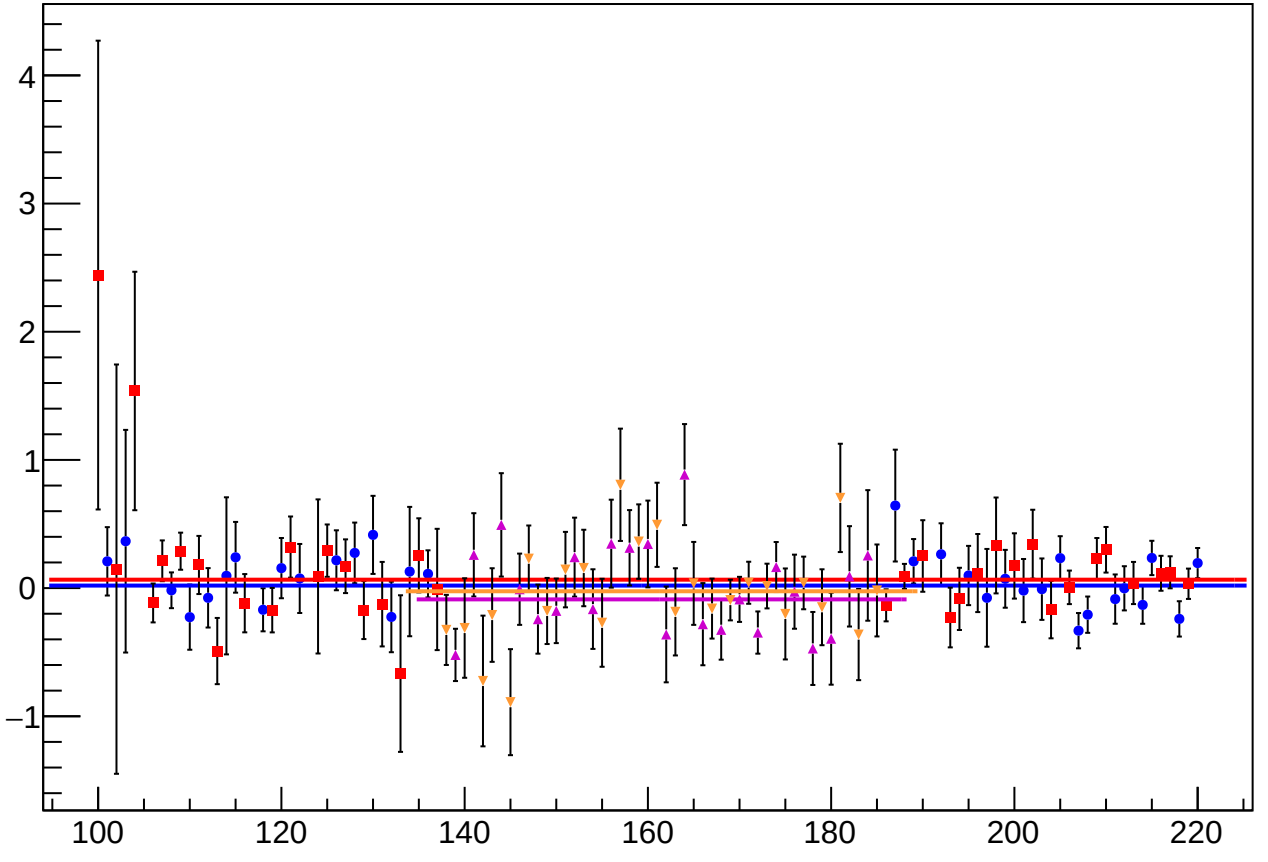
Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

+ sign 0.006+/-0.000 χ^2/NDF: 17670494.1/57

All: 0.006+/-0.000 χ^2/NDF: 38060252.3/116

- sign 0.006+/-0.000 χ^2/NDF: 20141266.5/58

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.020+/-0.035 χ^2/NDF: 33.7/32

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

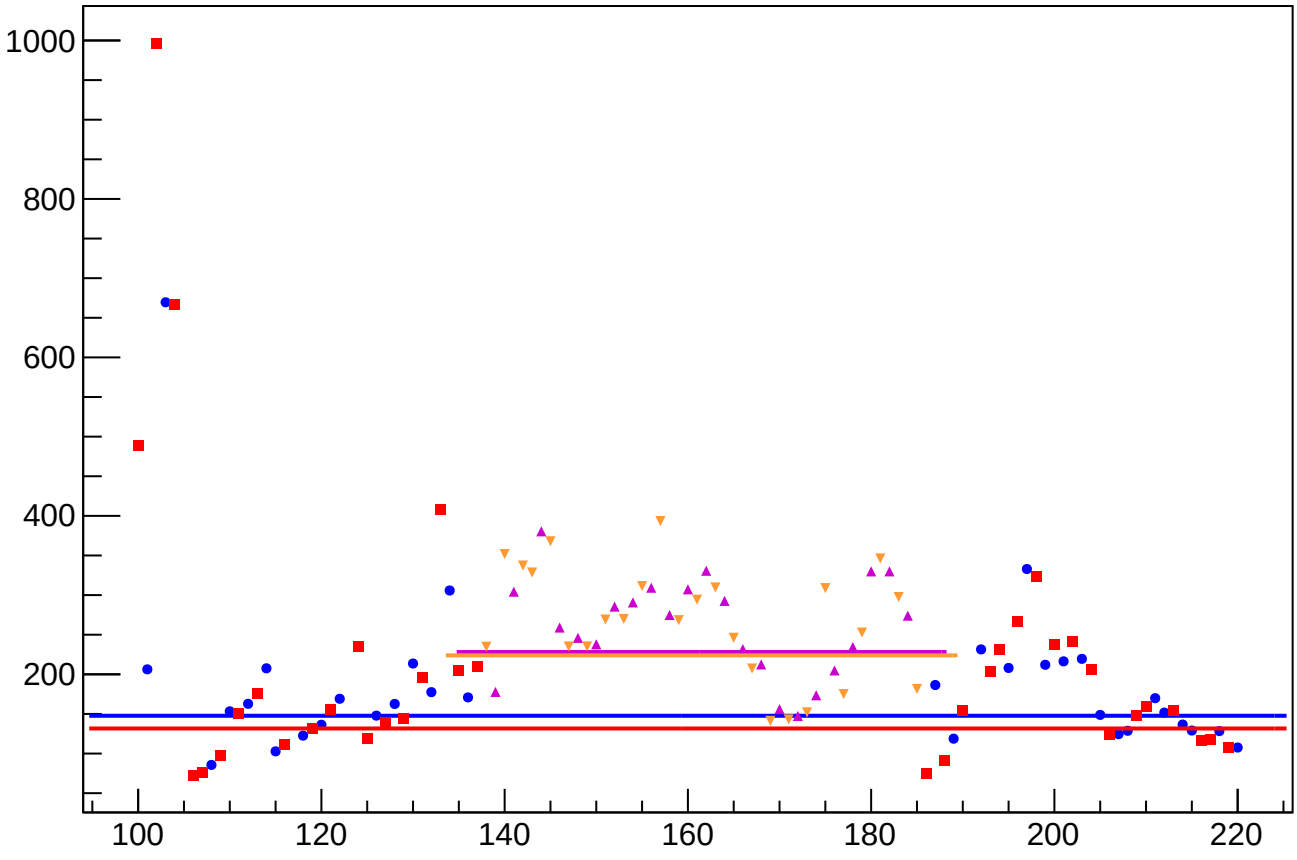
Right Out: 0.066+/-0.032 χ^2/NDF: 33.5/35

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.007+/-0.029 χ^2/NDF: 58.3/57

All: 0.018+/-0.020 χ^2/NDF: 127.6/116

- sign 0.028+/-0.028 χ^2/NDF: 69.1/58



Right In: 147.707+/-0.024 χ^2/NDF: 3569923.8/32

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

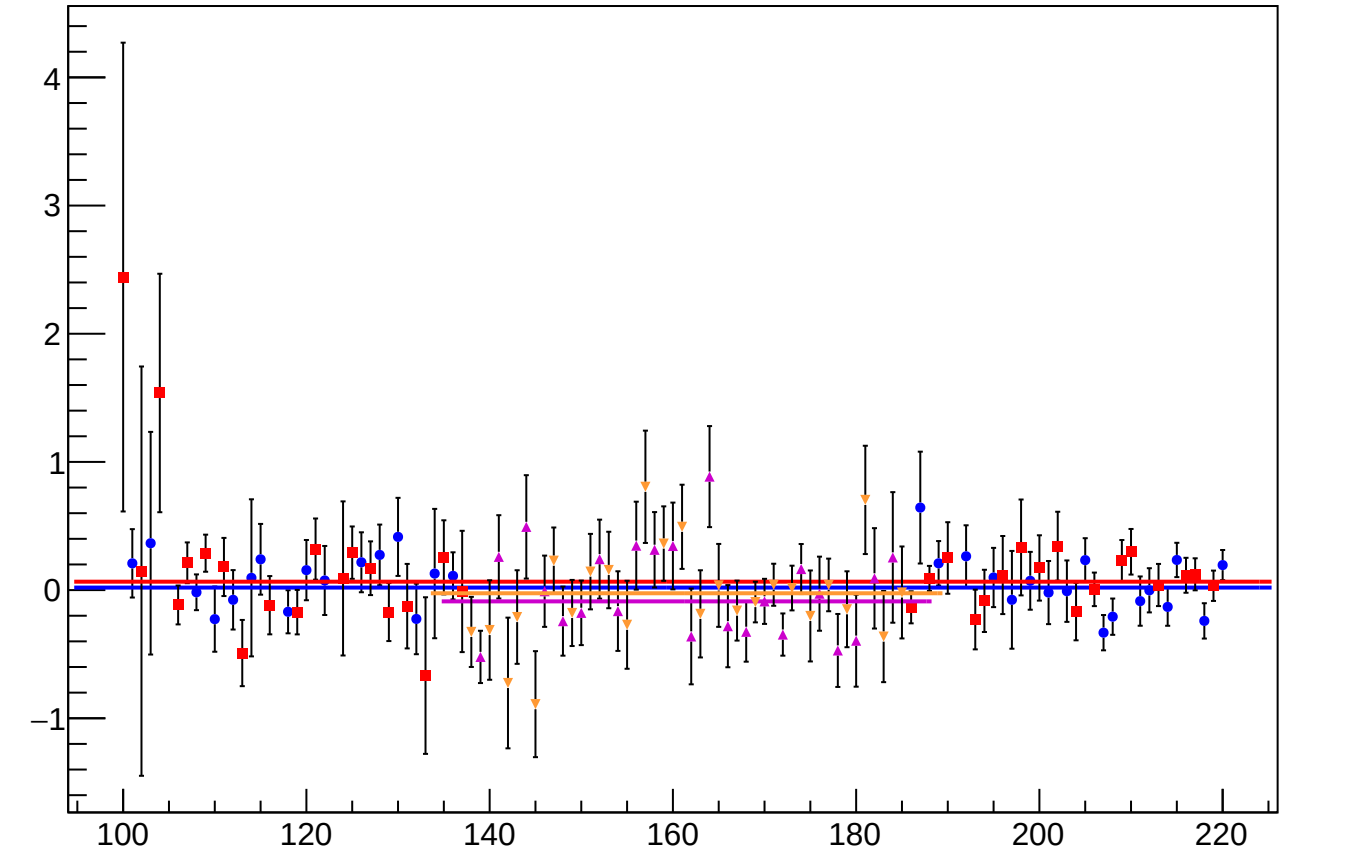
Right Out: 131.649+/-0.023 χ^2/NDF: 6220348.0/35

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 169.526+/-0.021 χ^2/NDF: 9791934.6/57

All: 161.970+/-0.014 χ^2/NDF: 23156194.4/11

- sign 155.073+/-0.020 χ^2/NDF: 13108270.9/58



Right In: 0.020+/-0.035 χ^2/NDF: 33.7/32

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

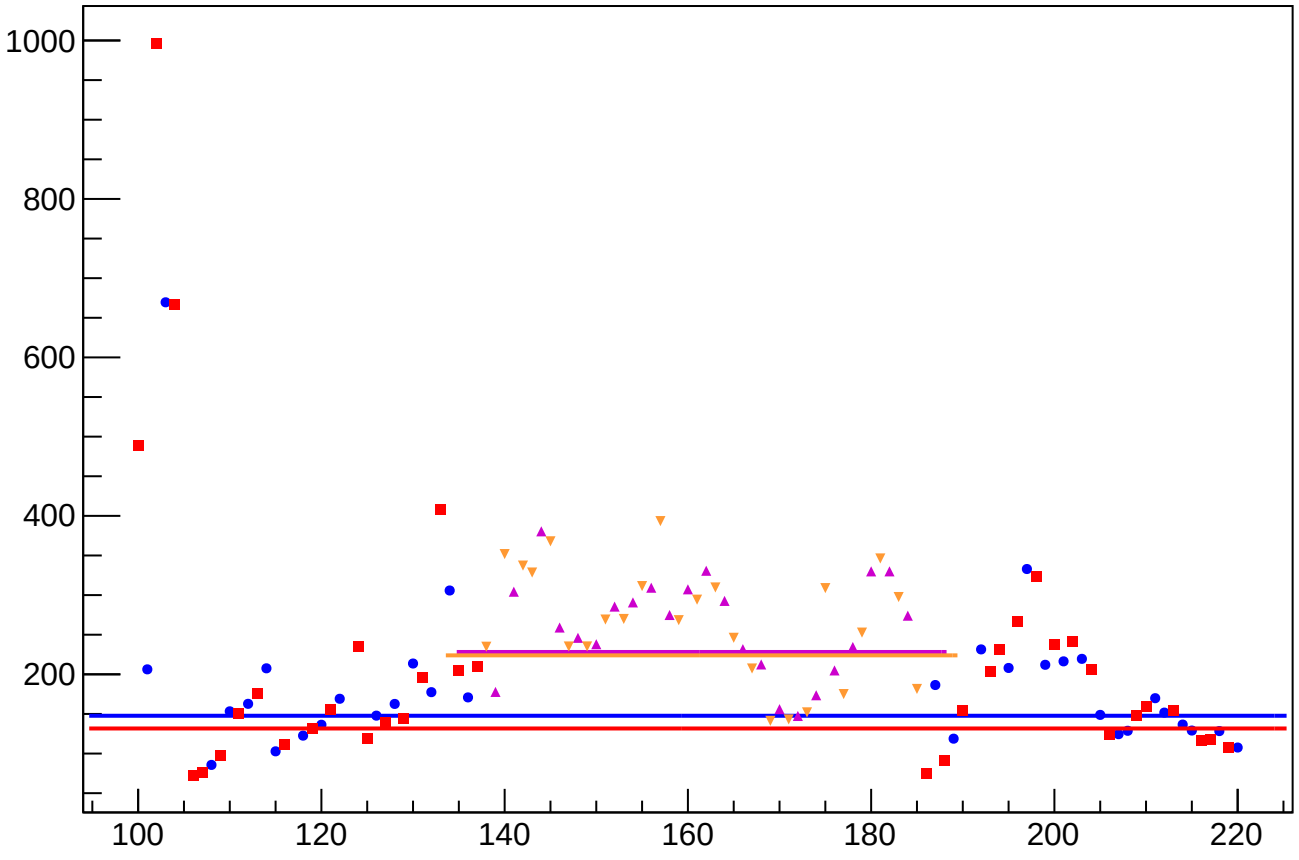
Right Out: 0.066+/-0.032 χ^2/NDF: 33.5/35

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.007+/-0.029 χ^2/NDF: 58.3/57

All: 0.018+/-0.020 χ^2/NDF: 127.6/116

- sign 0.028+/-0.028 χ^2/NDF: 69.1/58



Right In: 147.707+/-0.024 χ^2/NDF: 3569923.8/32

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

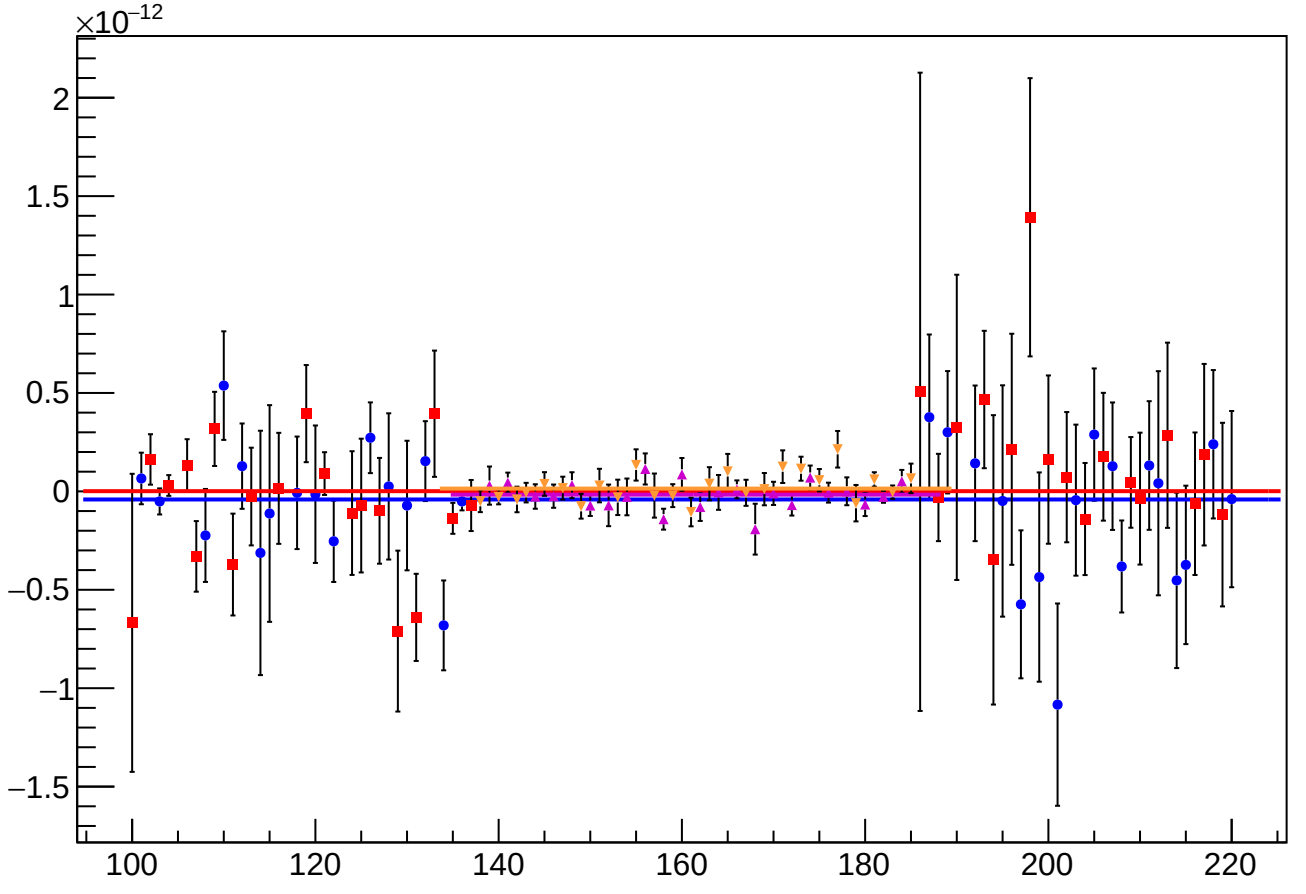
Right Out: 131.649+/-0.023 χ^2/NDF: 6220348.0/35

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 169.526+/-0.021 χ^2/NDF: 9791934.6/57

All: 161.970+/-0.014 χ^2/NDF: 23156194.4/11

- sign 155.073+/-0.020 χ^2/NDF: 13108270.9/58



Right In: -0.000+/-0.000 χ^2/NDF: 34.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

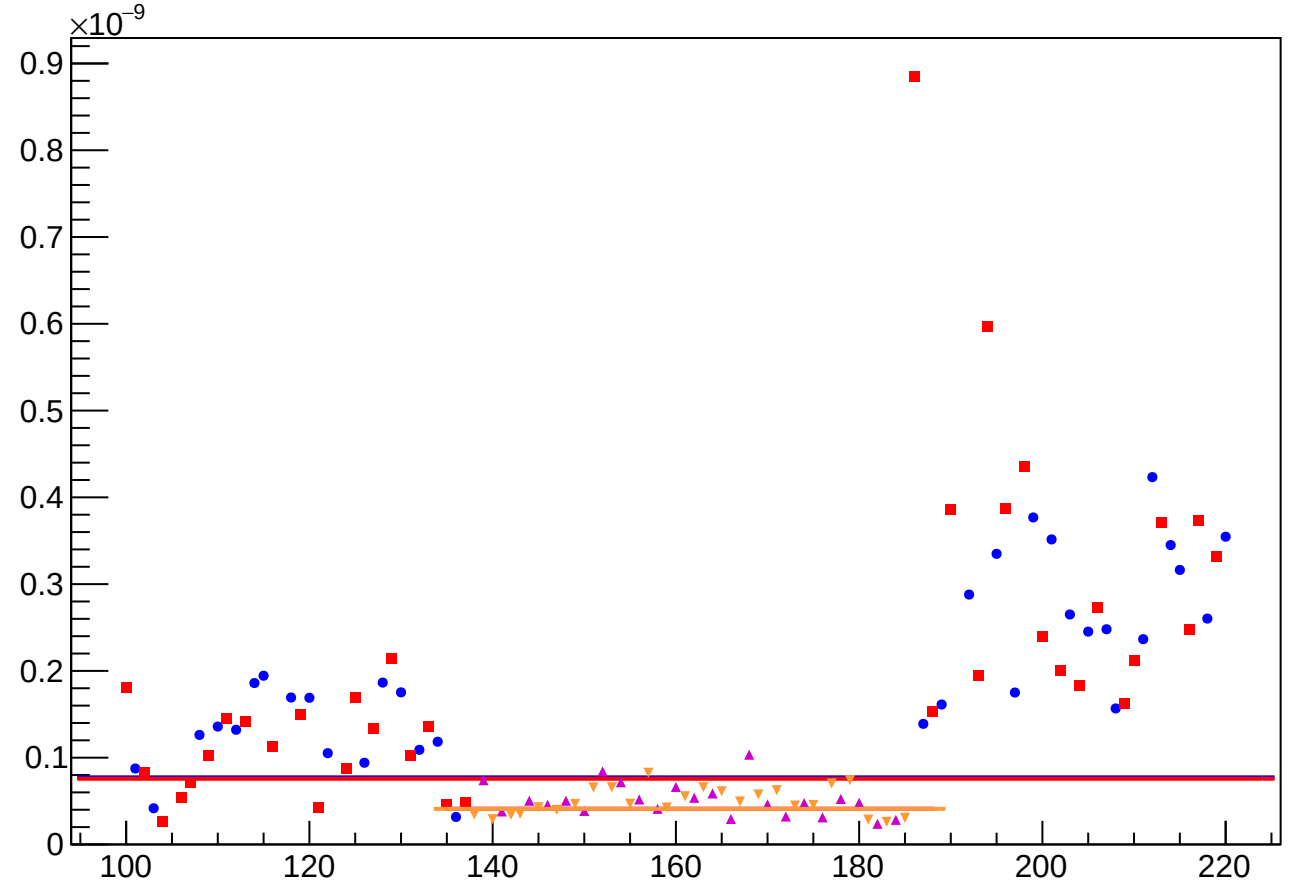
Right Out: 0.000+/-0.000 χ^2/NDF: 39.6/35

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.5/57

All: -0.000+/-0.000 χ^2/NDF: 125.8/116

- sign -0.000+/-0.000 χ^2/NDF: 61.6/58



Right In: 0.000+/-0.000 χ^2/NDF: 12065112.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11774226.5/35

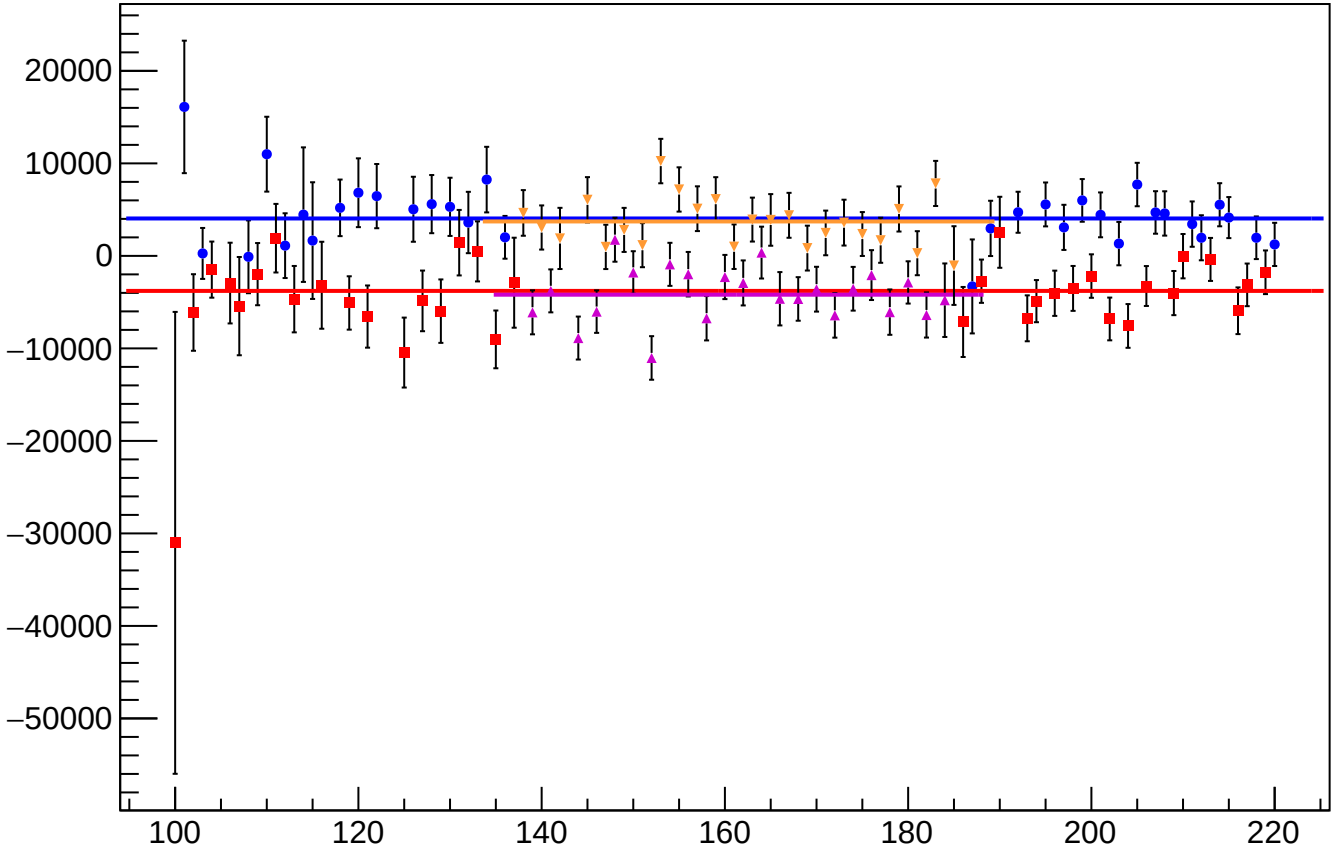
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 17177042.0/57

All: 0.000+/-0.000 χ^2/NDF: 34039933.1/116

- sign 0.000+/-0.000 χ^2/NDF: 16862680.4/58

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4043.783+/-488.816 χ^2/NDF: 24.5/32

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

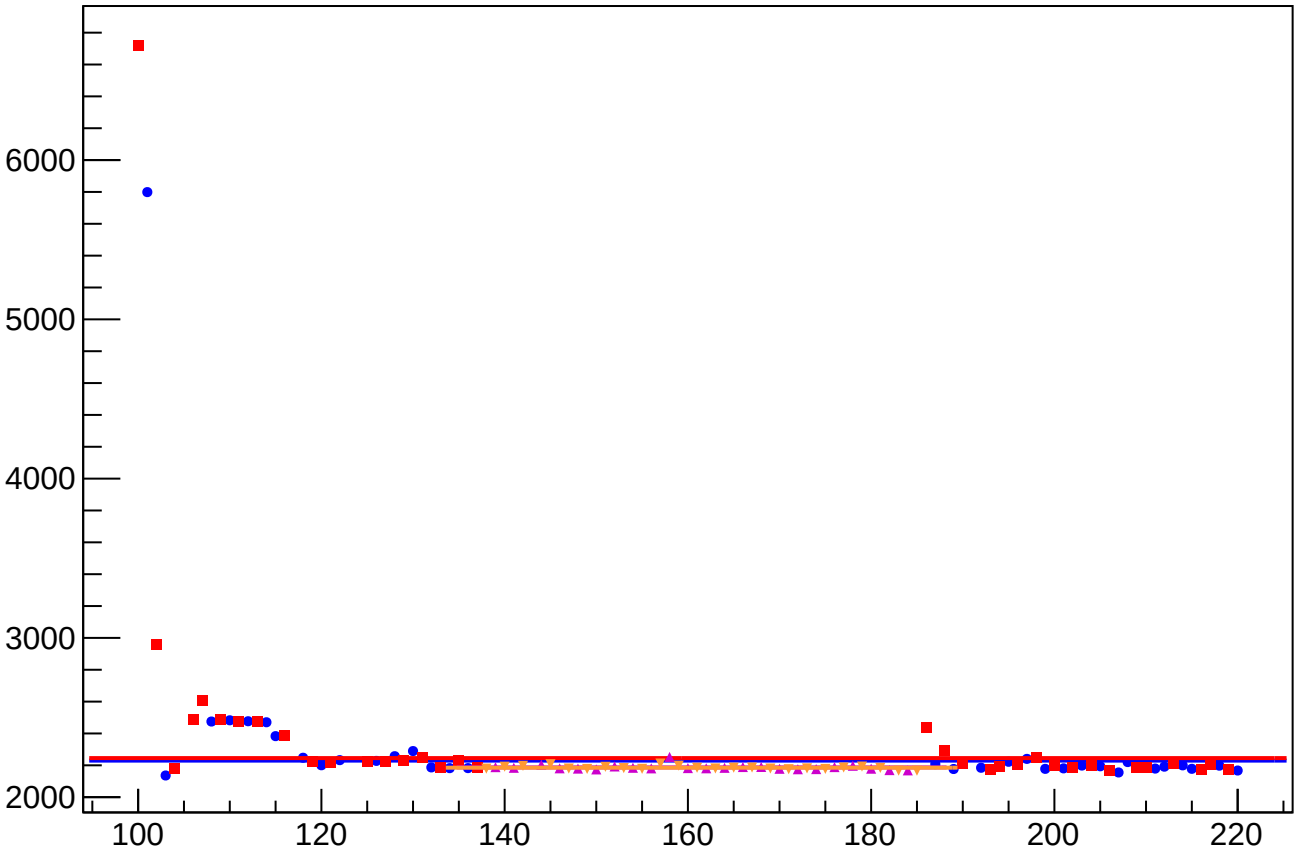
Right Out: -3785.844+/-490.794 χ^2/NDF: 32.6/34

Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3889.531+/-351.950 χ^2/NDF: 50.1/56

All: -25.644+/-249.529 χ^2/NDF: 364.0/114

- sign -3982.794+/-353.831 χ^2/NDF: 65.0/57



Right In: 2229.583+/-0.346 χ^2/NDF: 541566.0/32

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

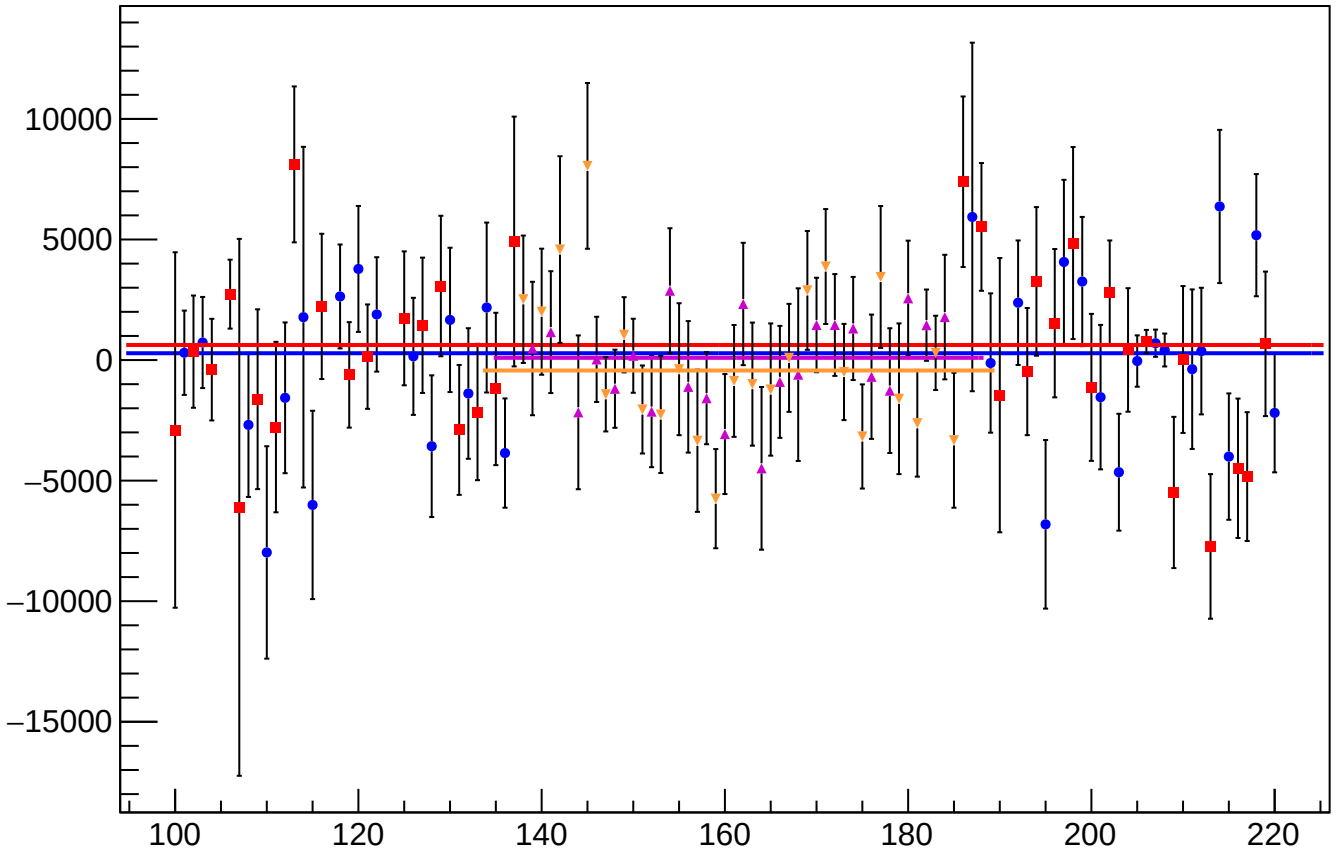
Right Out: 2245.327+/-0.347 χ^2/NDF: 191911.6/34

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2208.176+/-0.249 χ^2/NDF: 550346.0/56

All: 2212.661+/-0.176 χ^2/NDF: 758658.5/114

- sign 2217.193+/-0.250 χ^2/NDF: 207659.7/57



Right In: 283.146+/-313.684 χ^2/NDF: 41.1/32

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

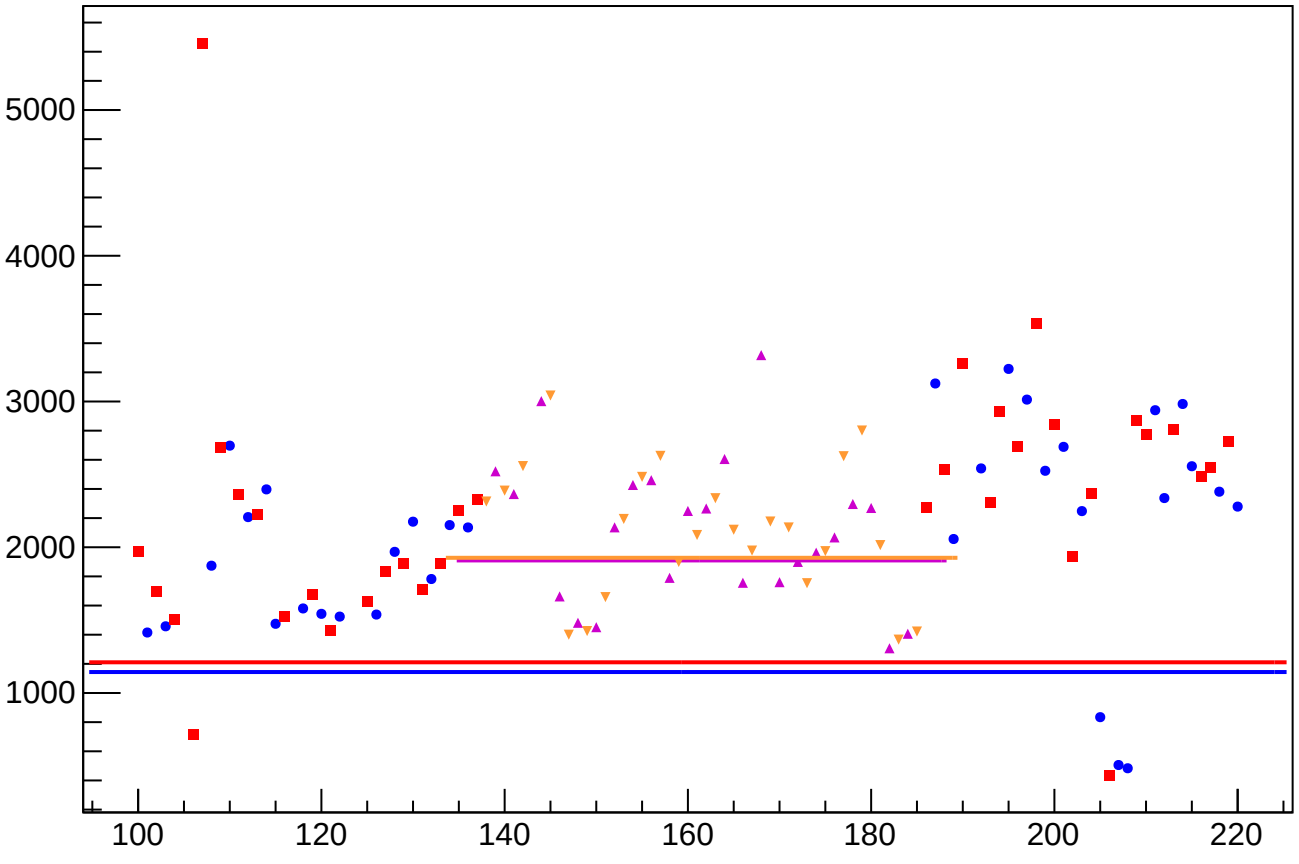
Right Out: 624.293+/-337.816 χ^2/NDF: 44.7/34

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign 57.656+/-259.586 χ^2/NDF: 74.1/56

All: 238.838+/-187.928 χ^2/NDF: 133.4/114

- sign 438.376+/-272.419 χ^2/NDF: 58.3/57



Right In: 1143.846+/-0.222 χ^2/NDF: 13547066.9/32

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1210.625+/-0.239 χ^2/NDF: 14989932.6/34

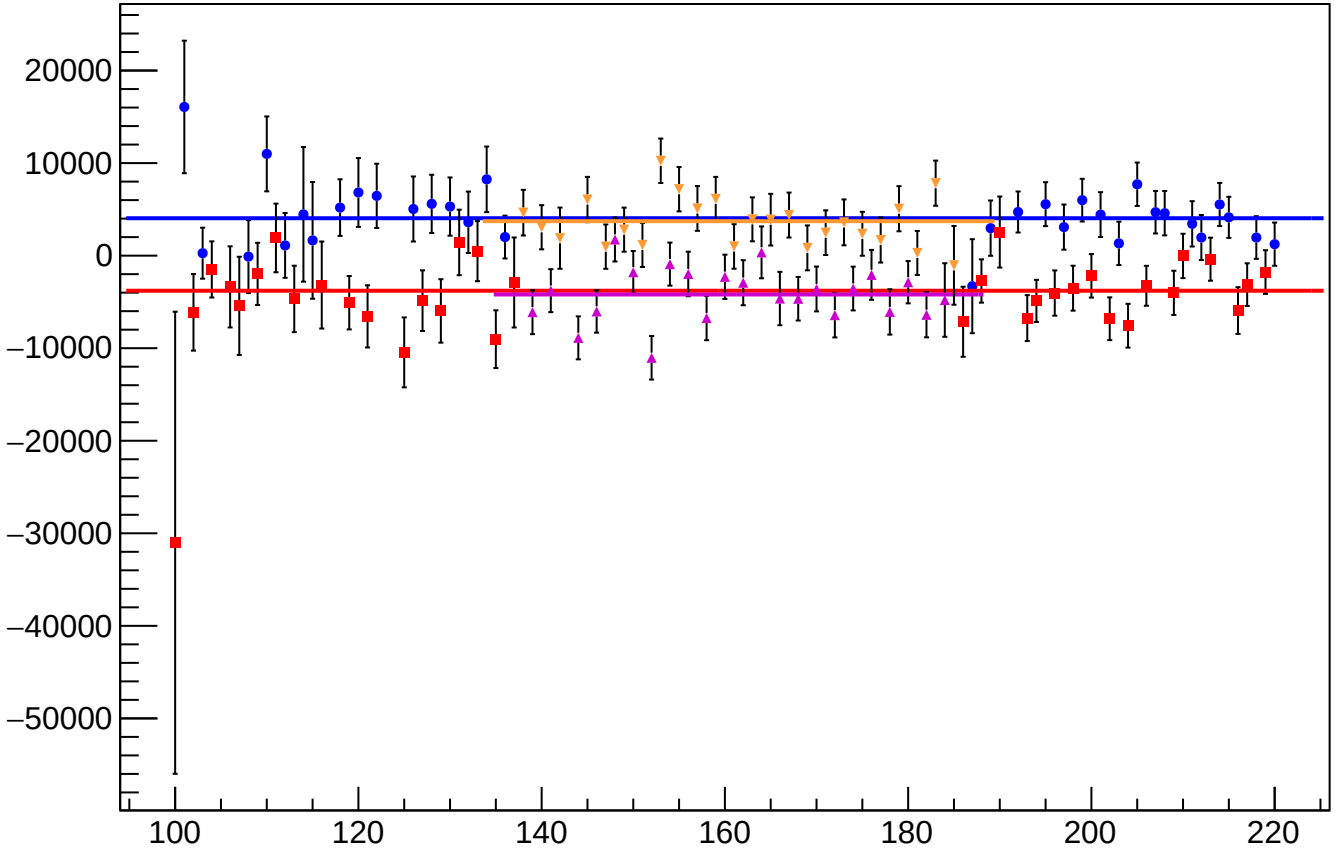
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1390.888+/-0.184 χ^2/NDF: 19281216.2/56

All: 1421.428+/-0.133 χ^2/NDF: 39265941.6/1

- sign 1455.062+/-0.193 χ^2/NDF: 19926556.8/57

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4043.536+/-488.816 χ^2/NDF: 24.5/32

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -3791.601+/-490.821 χ^2/NDF: 32.5/34

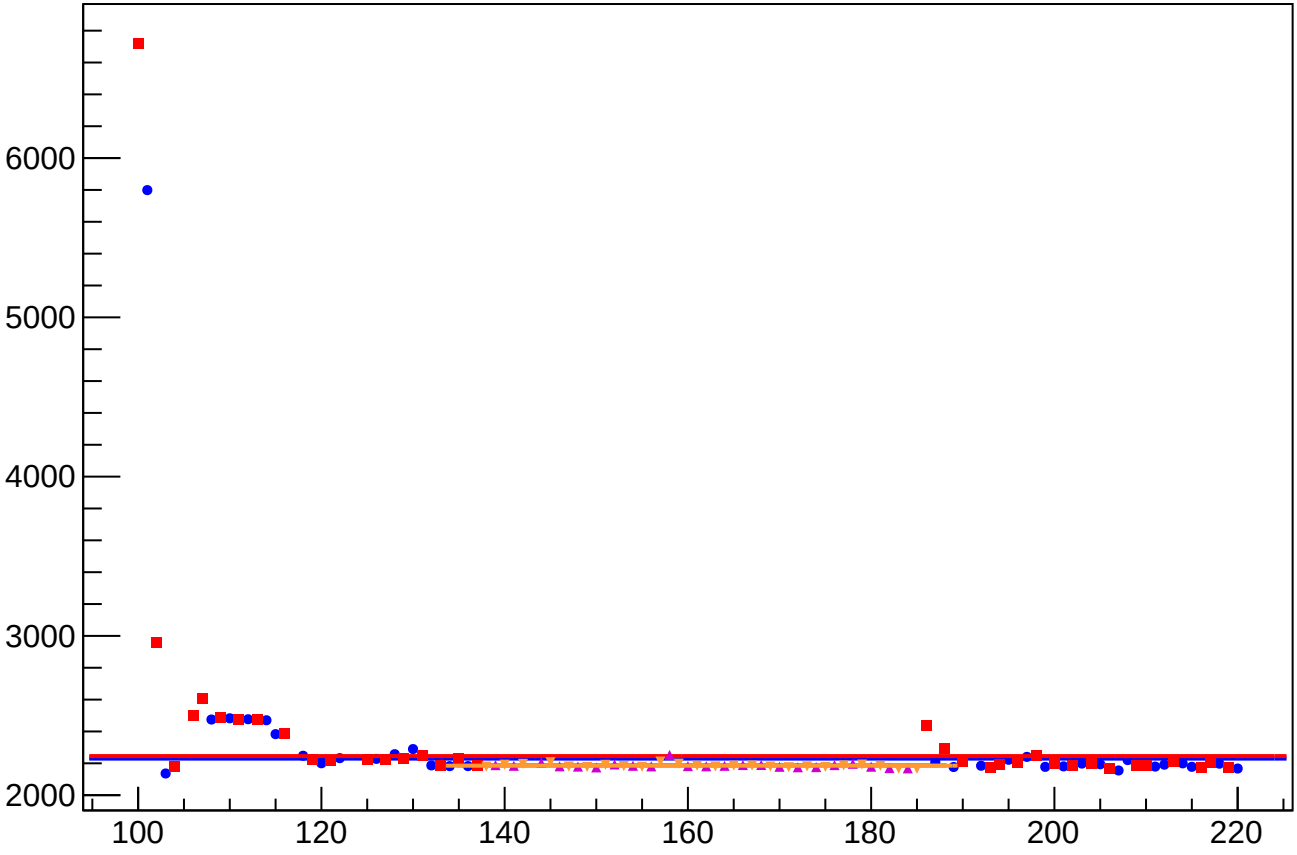
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3889.377+/-351.950 χ^2/NDF: 50.1/56

All: -27.131+/-249.532 χ^2/NDF: 364.1/114

- sign -3985.854+/-353.841 χ^2/NDF: 65.0/57

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2229.583+/-0.346 χ^2/NDF: 541566.4/32

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

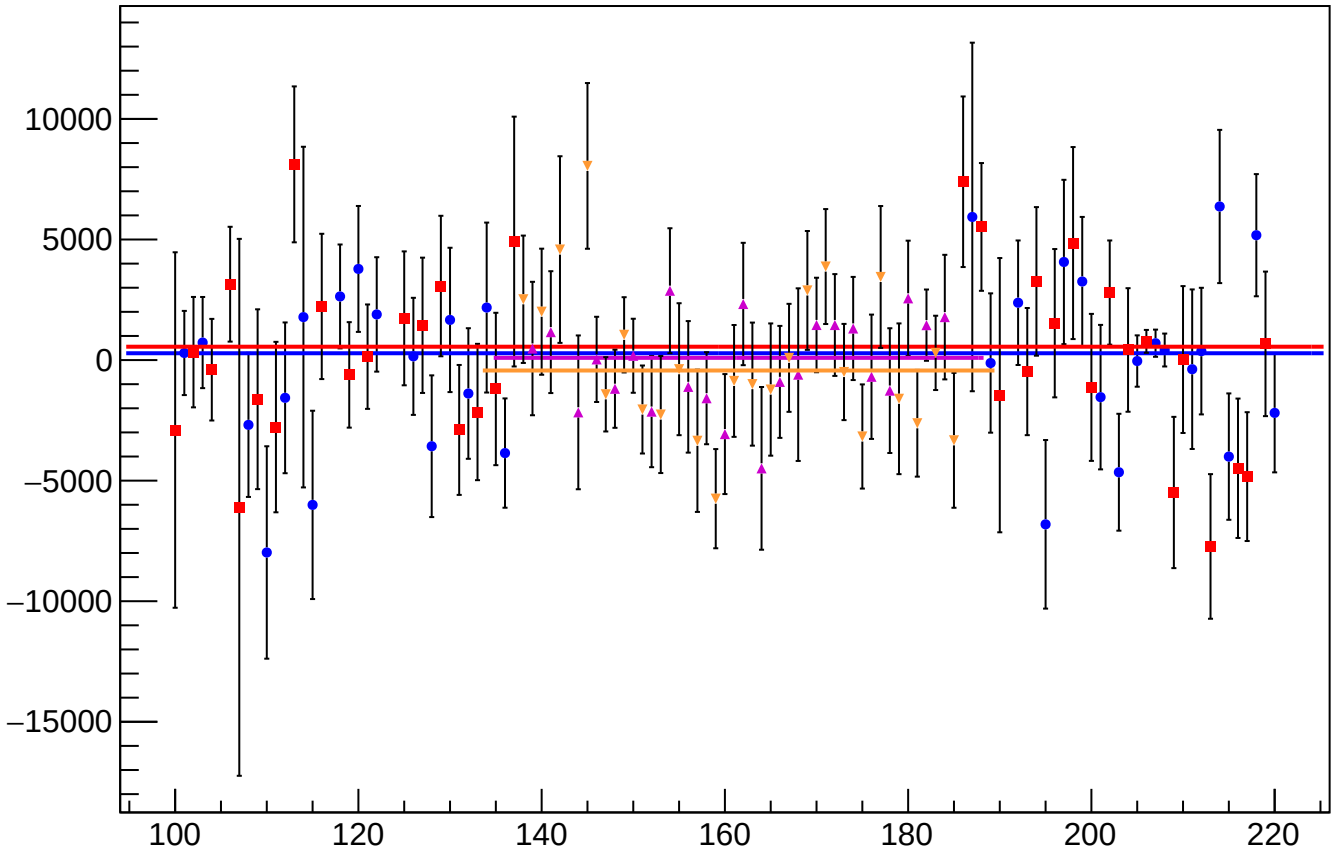
Right Out: 2245.435+/-0.347 χ^2/NDF: 192416.5/34

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2208.176+/-0.249 χ^2/NDF: 550346.3/56

All: 2212.688+/-0.176 χ^2/NDF: 759221.4/114

- sign 2217.247+/-0.250 χ^2/NDF: 208214.3/57



Right In: 282.968+/-313.665 χ^2/NDF: 41.1/32

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

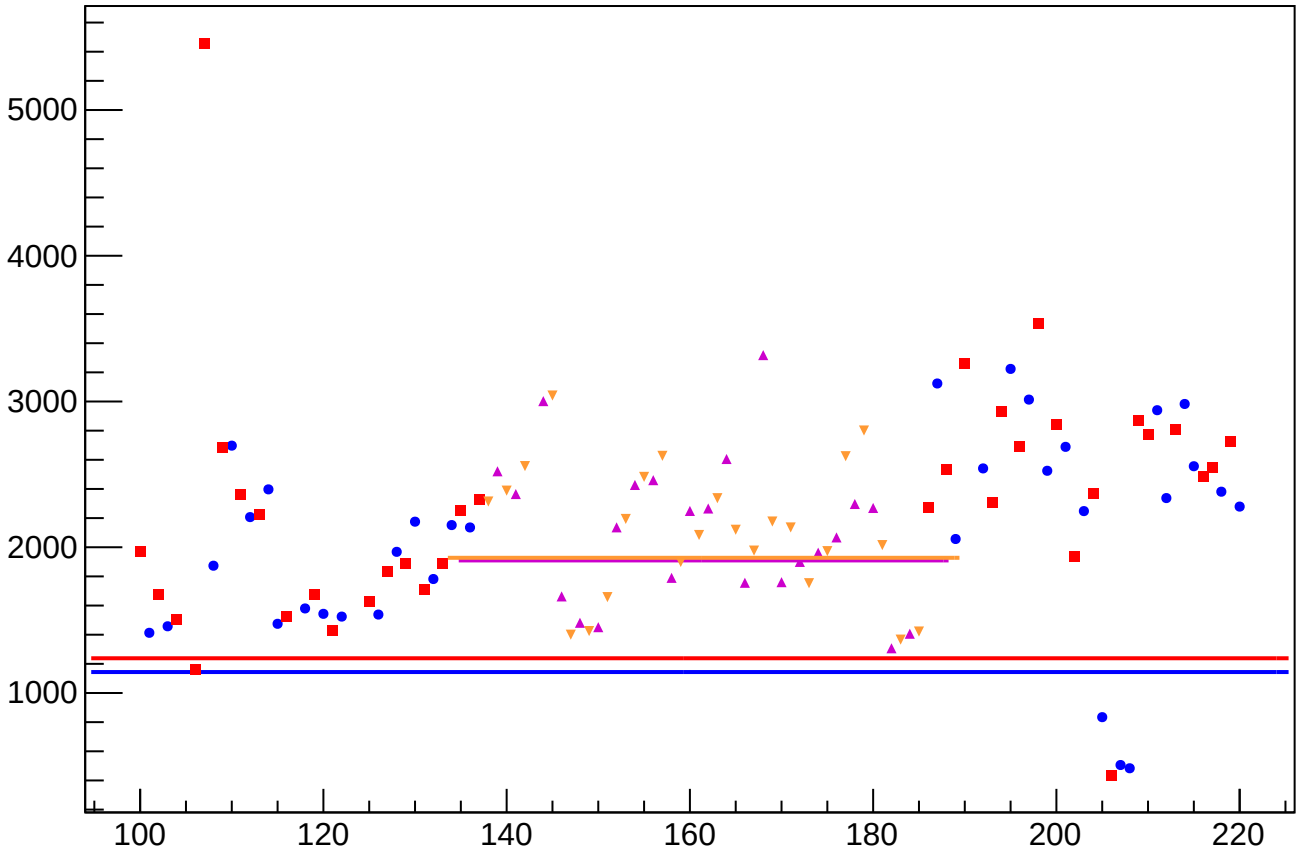
Right Out: 554.021+/-343.888 χ^2/NDF: 43.6/34

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign 57.542+/-259.575 χ^2/NDF: 74.1/56

All: 213.327+/-188.950 χ^2/NDF: 131.8/114

- sign 388.906+/-275.573 χ^2/NDF: 57.0/57



Right In: 1143.779+/-0.222 χ^2/NDF: 13547091.9/32

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

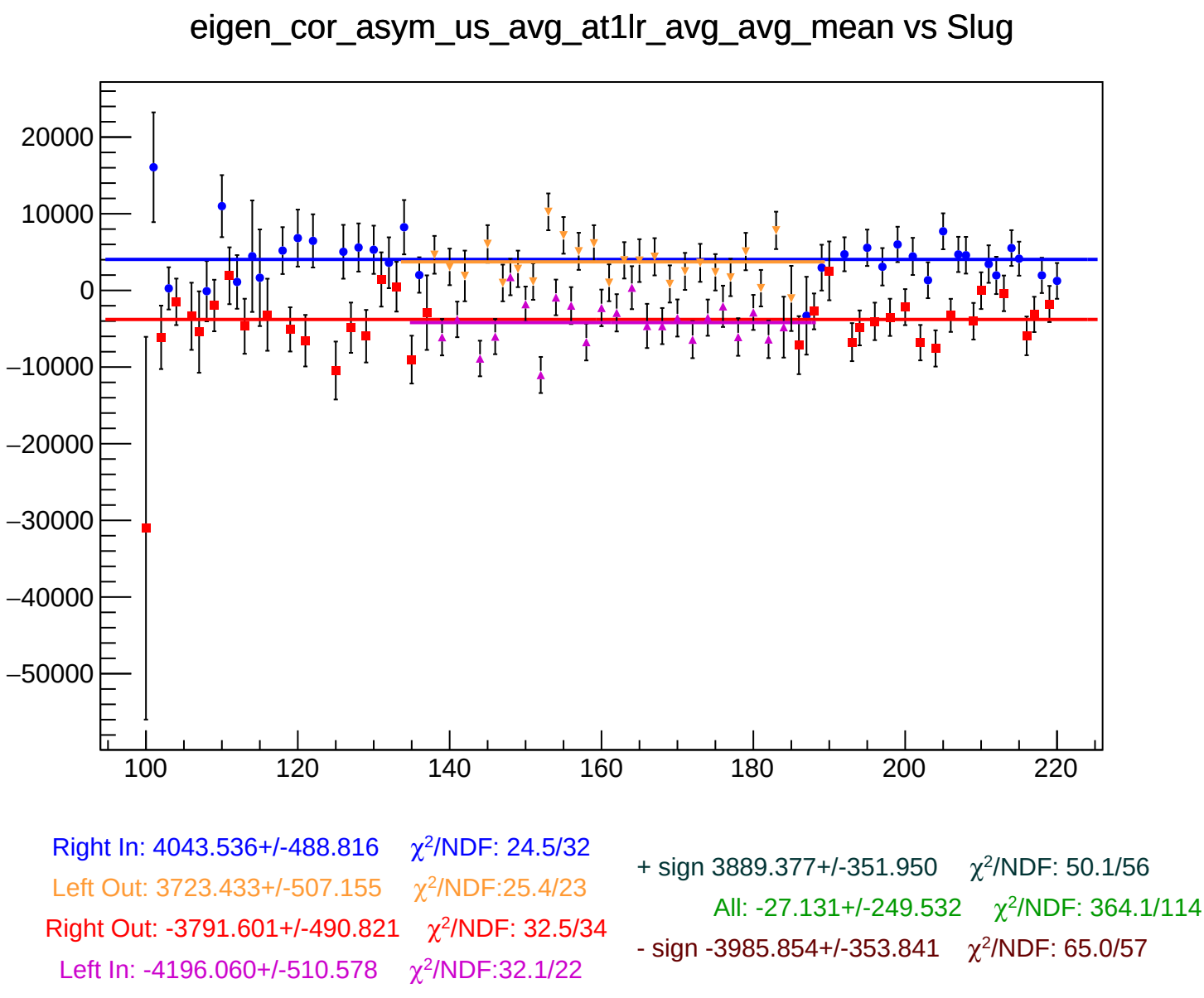
Right Out: 1238.328+/-0.243 χ^2/NDF: 14733363.9/34

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

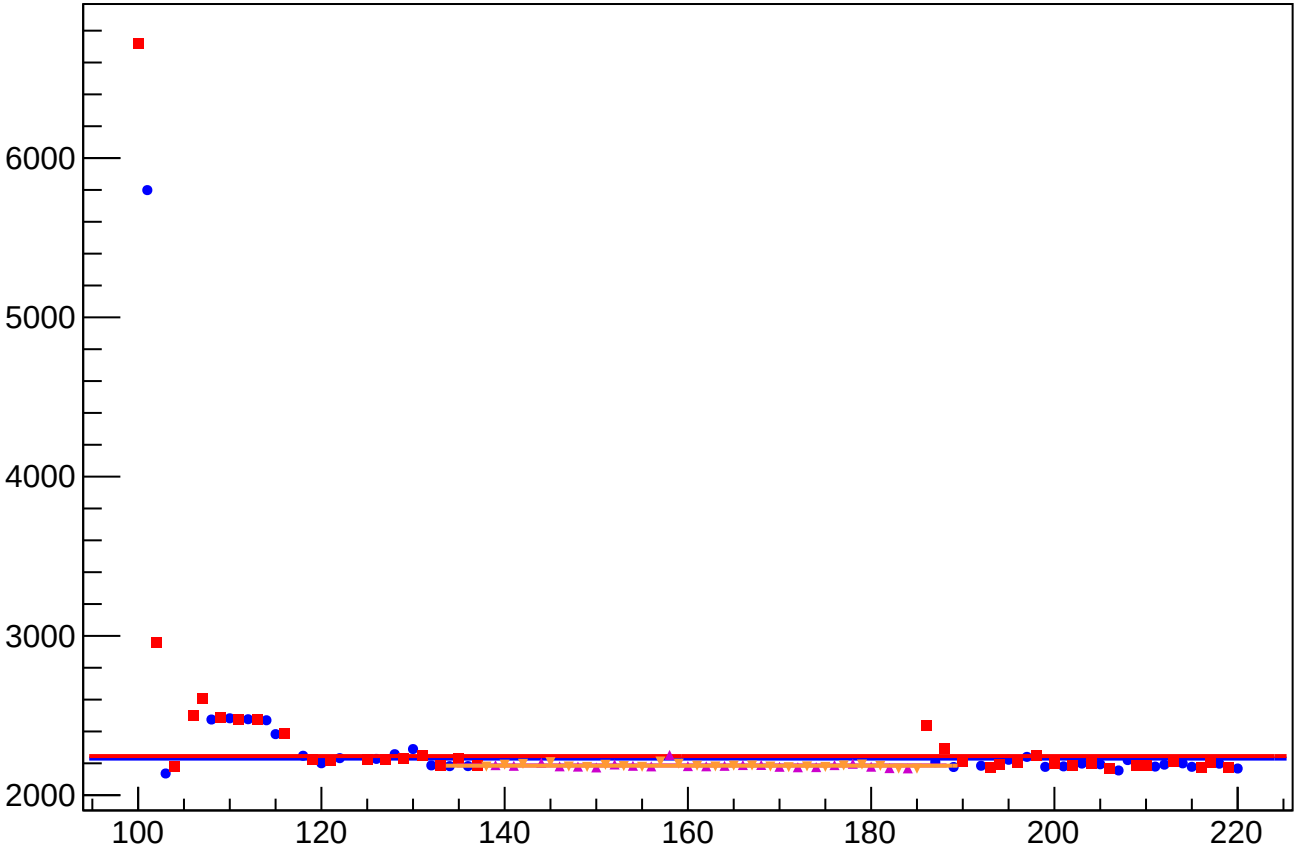
+ sign 1390.821+/-0.184 χ^2/NDF: 19282077.7/56

All: 1432.063+/-0.134 χ^2/NDF: 38792273.4/1

- sign 1478.545+/-0.195 χ^2/NDF: 19402806.5/57


eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
−50000
100
120
140
160
180
200
220
Right In: 4043.536+/-488.816 χ²/NDF: 24.5/32
Left Out: 3723.433+/-507.155 χ²/NDF:25.4/23
Right Out: -3791.601+/-490.821 χ²/NDF: 32.5/34
Left In: -4196.060+/-510.578 χ²/NDF:32.1/22
+ sign 3889.377+/-351.950 χ²/NDF: 50.1/56
All: -27.131+/-249.532 χ²/NDF: 364.1/114
- sign -3985.854+/-353.841 χ²/NDF: 65.0/57

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2229.583+/-0.346 χ^2/NDF: 541566.4/32

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

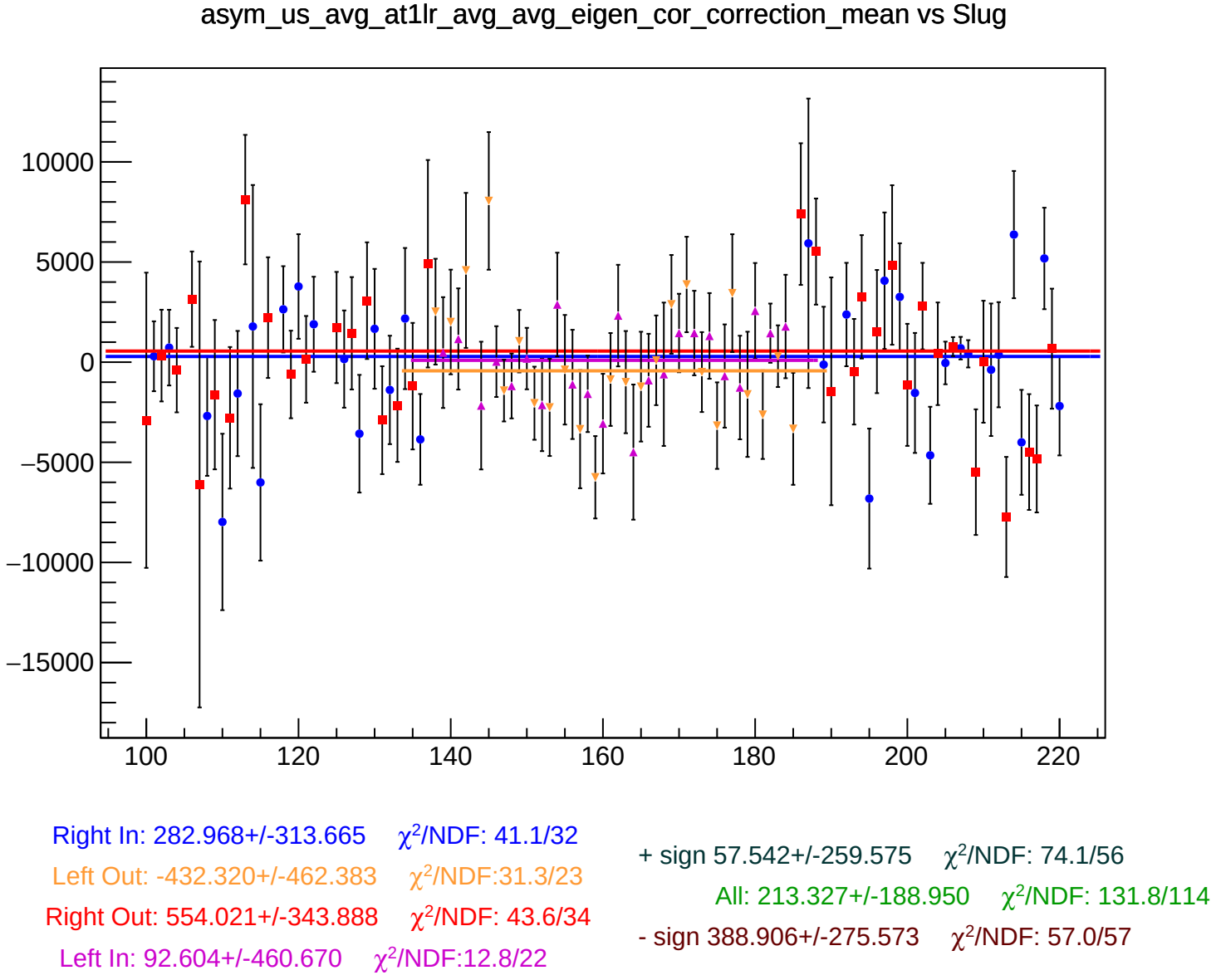
Right Out: 2245.435+/-0.347 χ^2/NDF: 192416.5/34

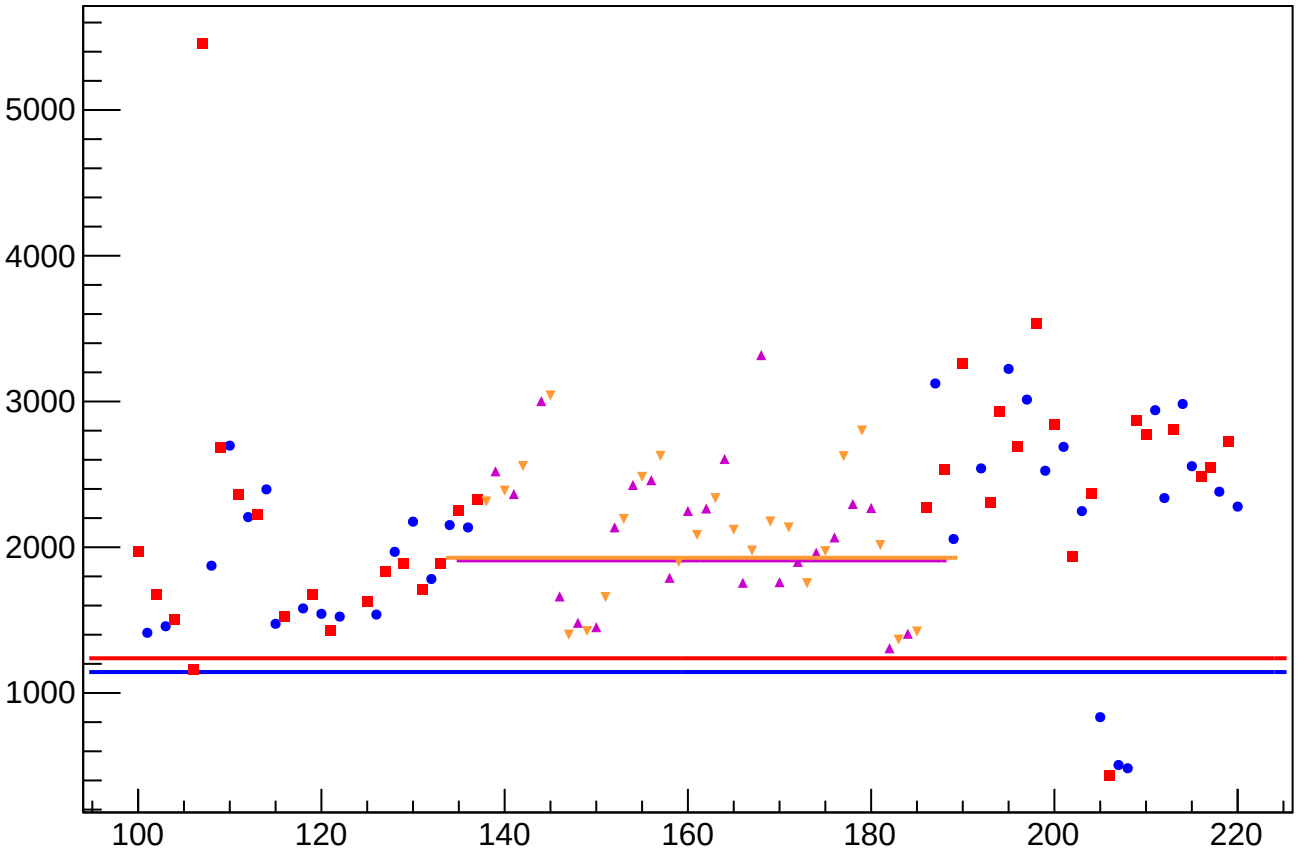
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2208.176+/-0.249 χ^2/NDF: 550346.3/56

All: 2212.688+/-0.176 χ^2/NDF: 759221.4/114

- sign 2217.247+/-0.250 χ^2/NDF: 208214.3/57


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
220
Right In: 282.968+/-313.665 χ²/NDF: 41.1/32
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: 554.021+/-343.888 χ²/NDF: 43.6/34
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign 57.542+/-259.575 χ²/NDF: 74.1/56
All: 213.327+/-188.950 χ²/NDF: 131.8/114
- sign 388.906+/-275.573 χ²/NDF: 57.0/57



Right In: 1143.779+/-0.222 χ^2/NDF: 13547091.9/32

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

Right Out: 1238.328+/-0.243 χ^2/NDF: 14733363.9/34

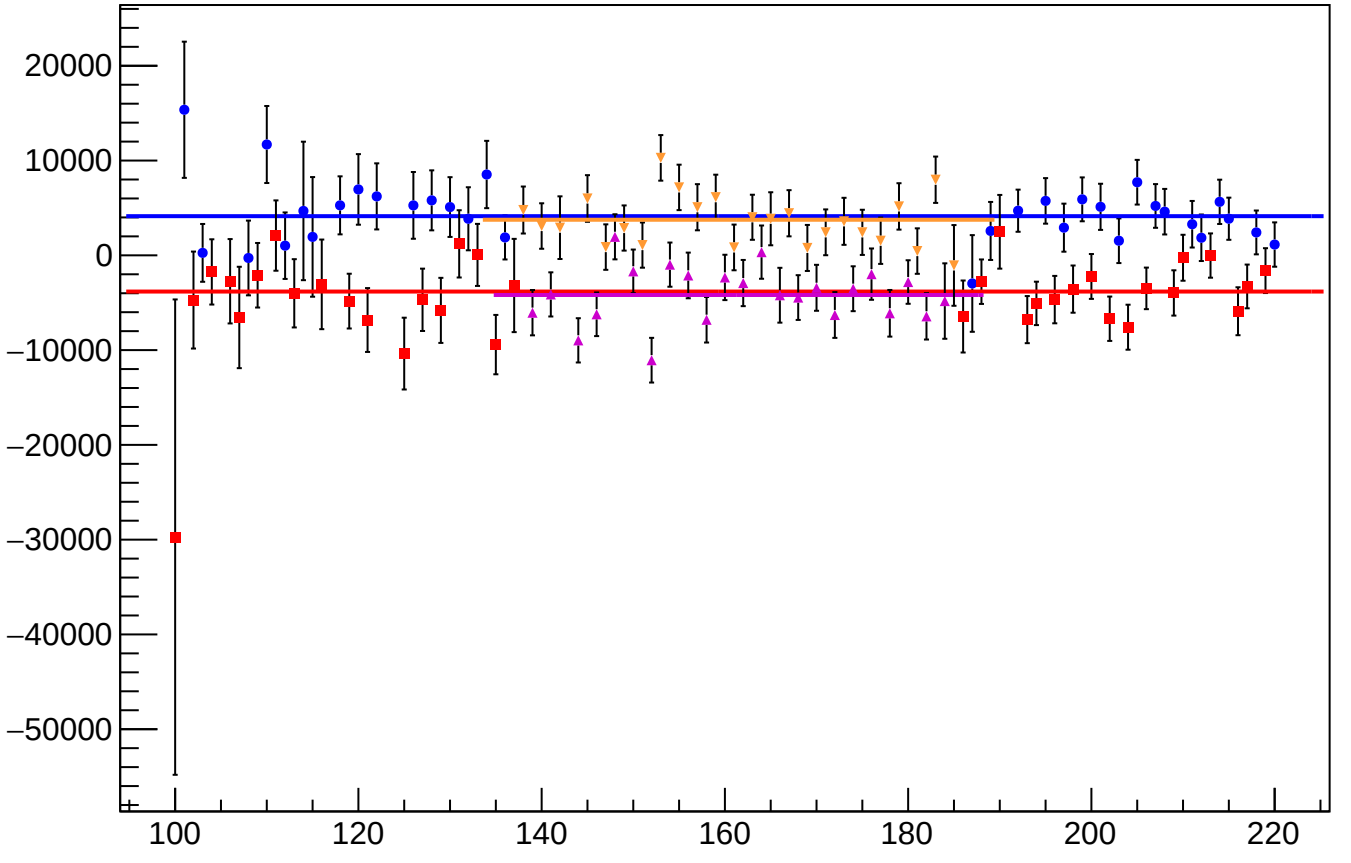
Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1390.821+/-0.184 χ^2/NDF: 19282077.7/56

All: 1432.063+/-0.134 χ^2/NDF: 38792273.4/1

- sign 1478.545+/-0.195 χ^2/NDF: 19402806.5/57

dit_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4132.233+/-493.066 χ^2/NDF: 24.8/32

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -3821.441+/-496.926 χ^2/NDF: 31.6/34

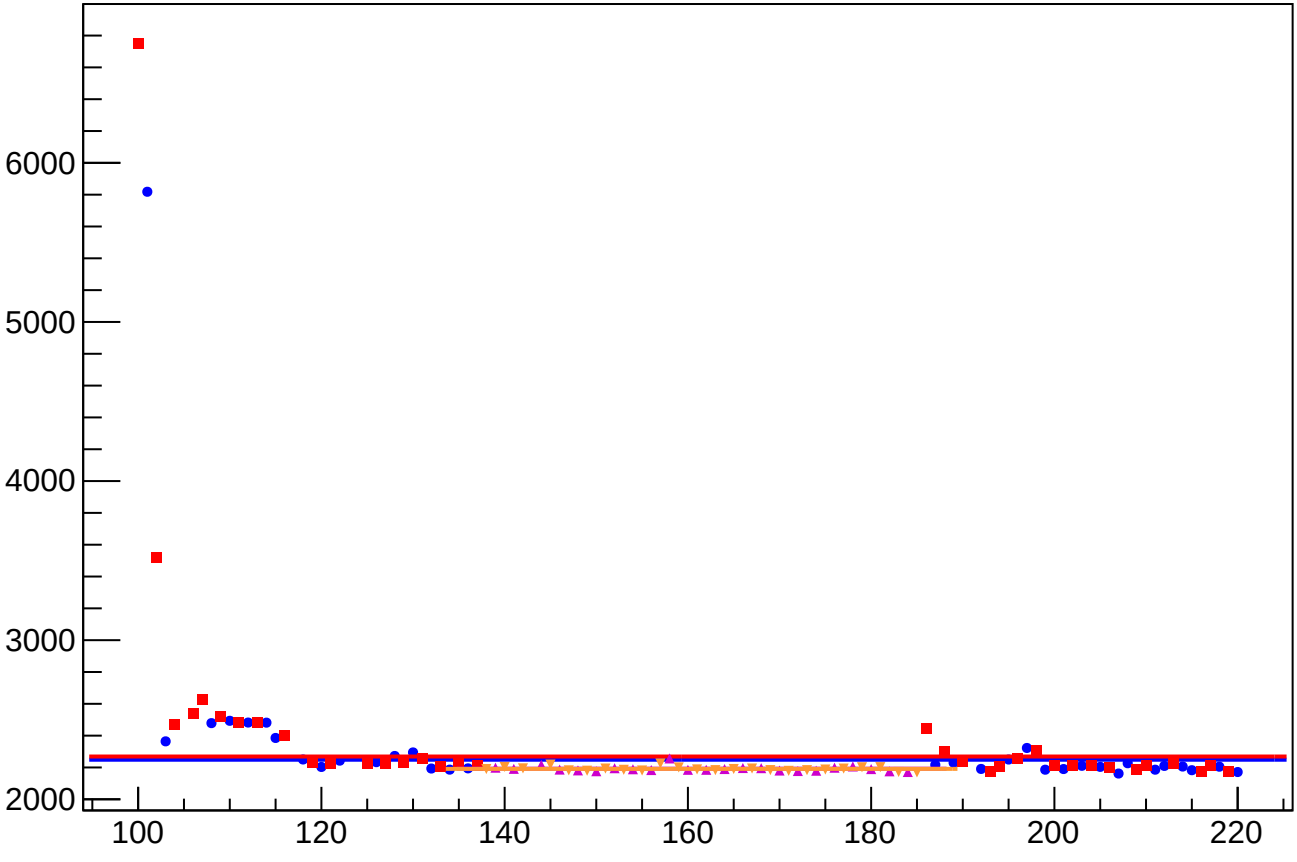
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 3949.001+/-354.004 χ^2/NDF: 50.7/56

All: 4.172+/-251.212 χ^2/NDF: 365.4/114

- sign -3997.457+/-356.544 χ^2/NDF: 64.5/57

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2248.583+/-0.349 χ^2/NDF: 542734.3/32

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

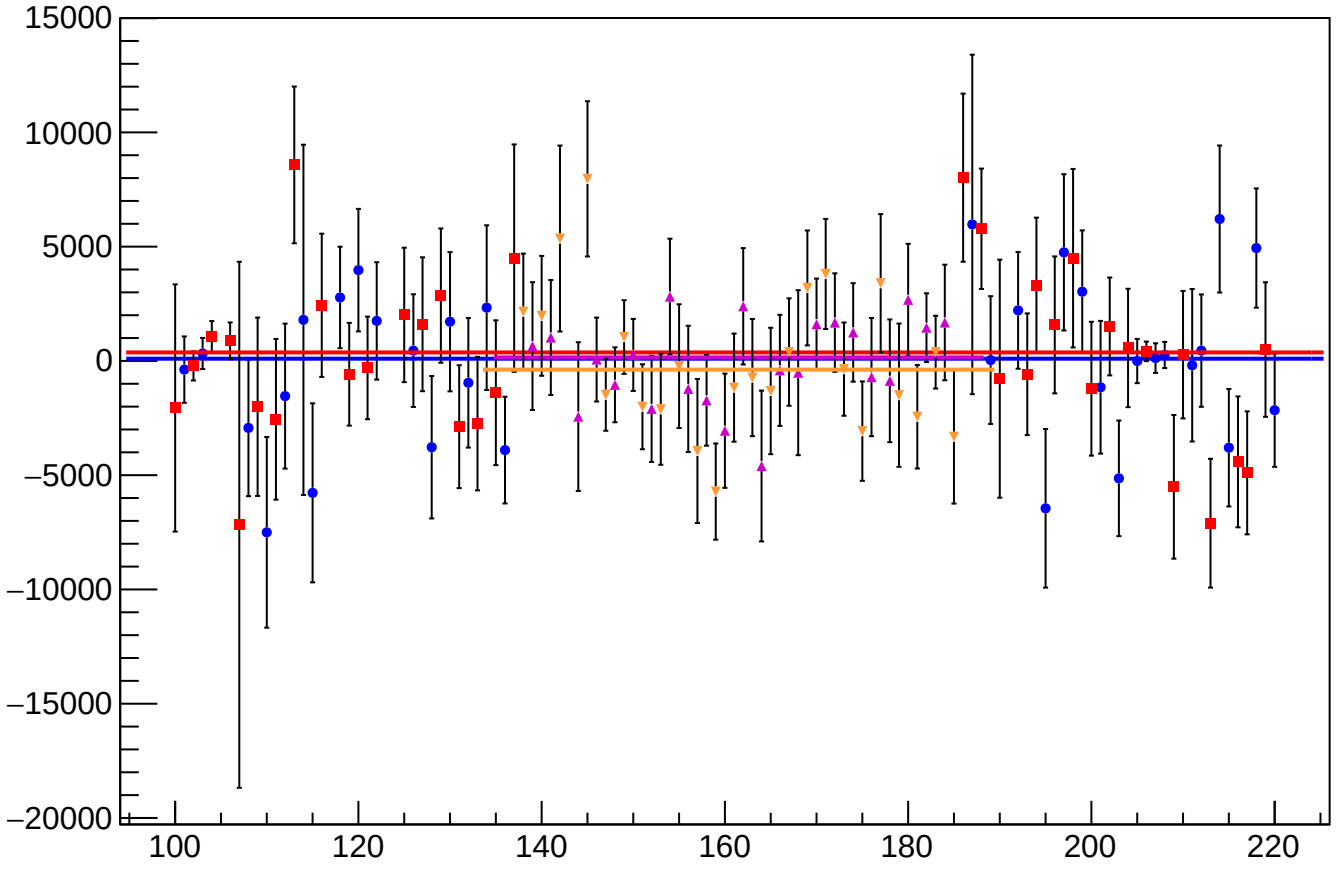
Right Out: 2268.770+/-0.351 χ^2/NDF: 261937.1/34

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2220.753+/-0.250 χ^2/NDF: 557112.7/56

All: 2226.147+/-0.178 χ^2/NDF: 845306.5/114

- sign 2231.619+/-0.252 χ^2/NDF: 287258.4/57



Right In: 97.072+/-283.456 χ^2/NDF: 39.1/32

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

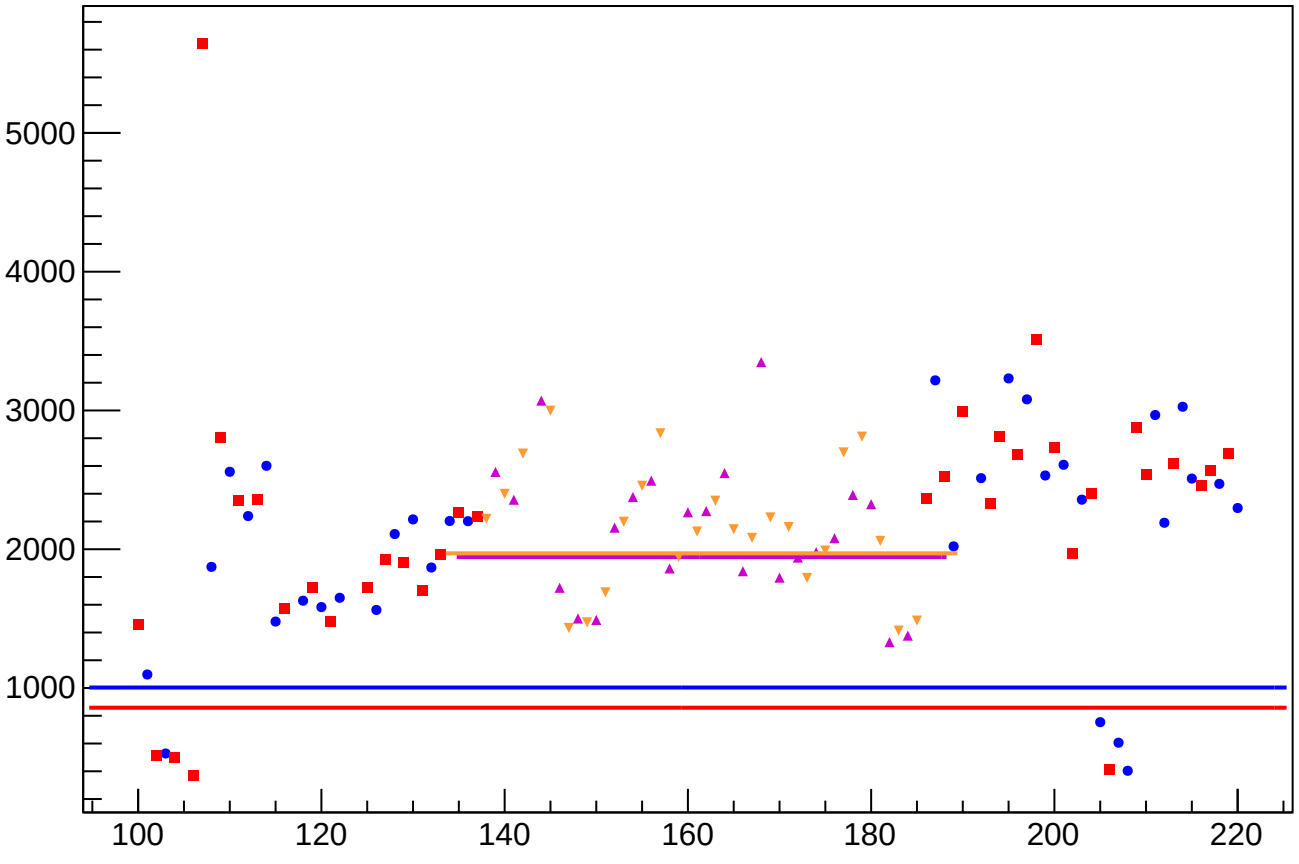
Right Out: 371.010+/-258.357 χ^2/NDF: 43.9/34

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

\+ sign -29.713+/-242.932 χ^2/NDF: 70.6/56

All: 157.852+/-165.540 χ^2/NDF: 128.6/114

\- sign 320.442+/-226.181 χ^2/NDF: 56.9/57



Right In: 1003.515+/-0.200 χ^2/NDF: 15270244.3/32

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

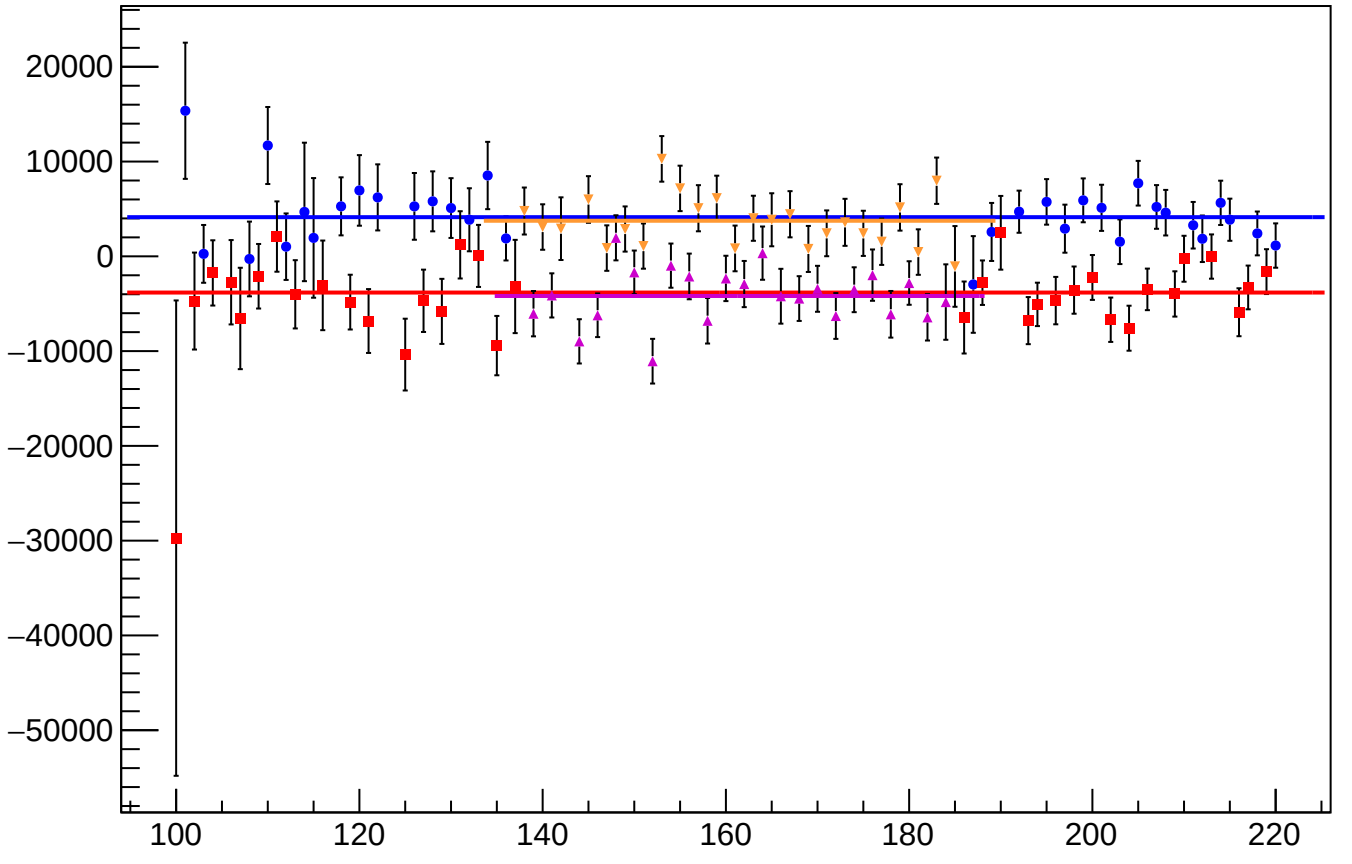
Right Out: 857.997+/-0.183 χ^2/NDF: 19165954.4/34

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1260.278+/-0.172 χ^2/NDF: 23148218.0/56

All: 1180.621+/-0.117 χ^2/NDF: 52847035.2/1

- sign 1111.571+/-0.160 χ^2/NDF: 29297384.7/57



Right In: 4132.232+/-493.066 χ^2/NDF: 24.8/32

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -3821.441+/-496.926 χ^2/NDF: 31.6/34

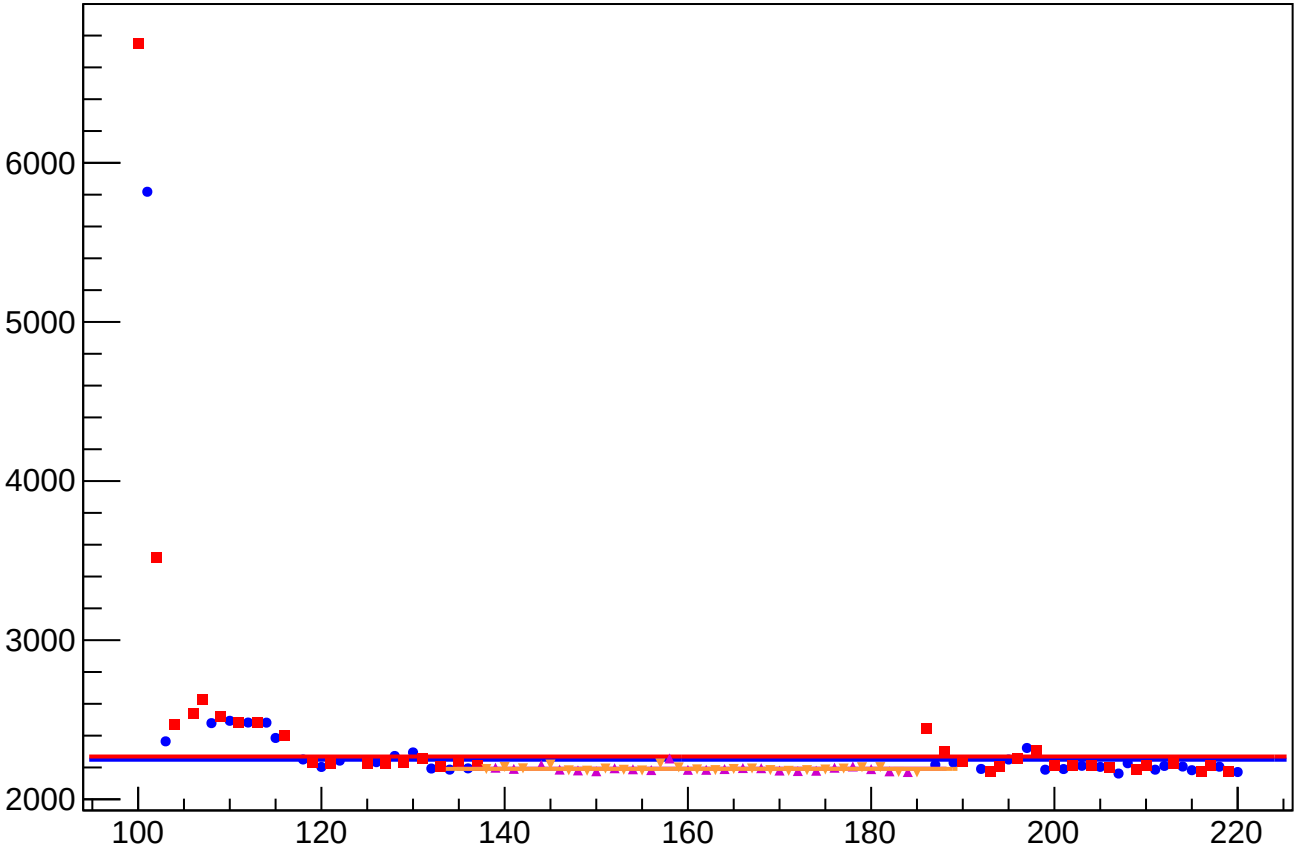
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

\+ sign 3948.999+/-354.004 χ^2/NDF: 50.7/56

All: 4.171+/-251.212 χ^2/NDF: 365.4/114

\- sign -3997.457+/-356.544 χ^2/NDF: 64.5/57

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2248.583+/-0.349 χ^2/NDF: 542734.1/32

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

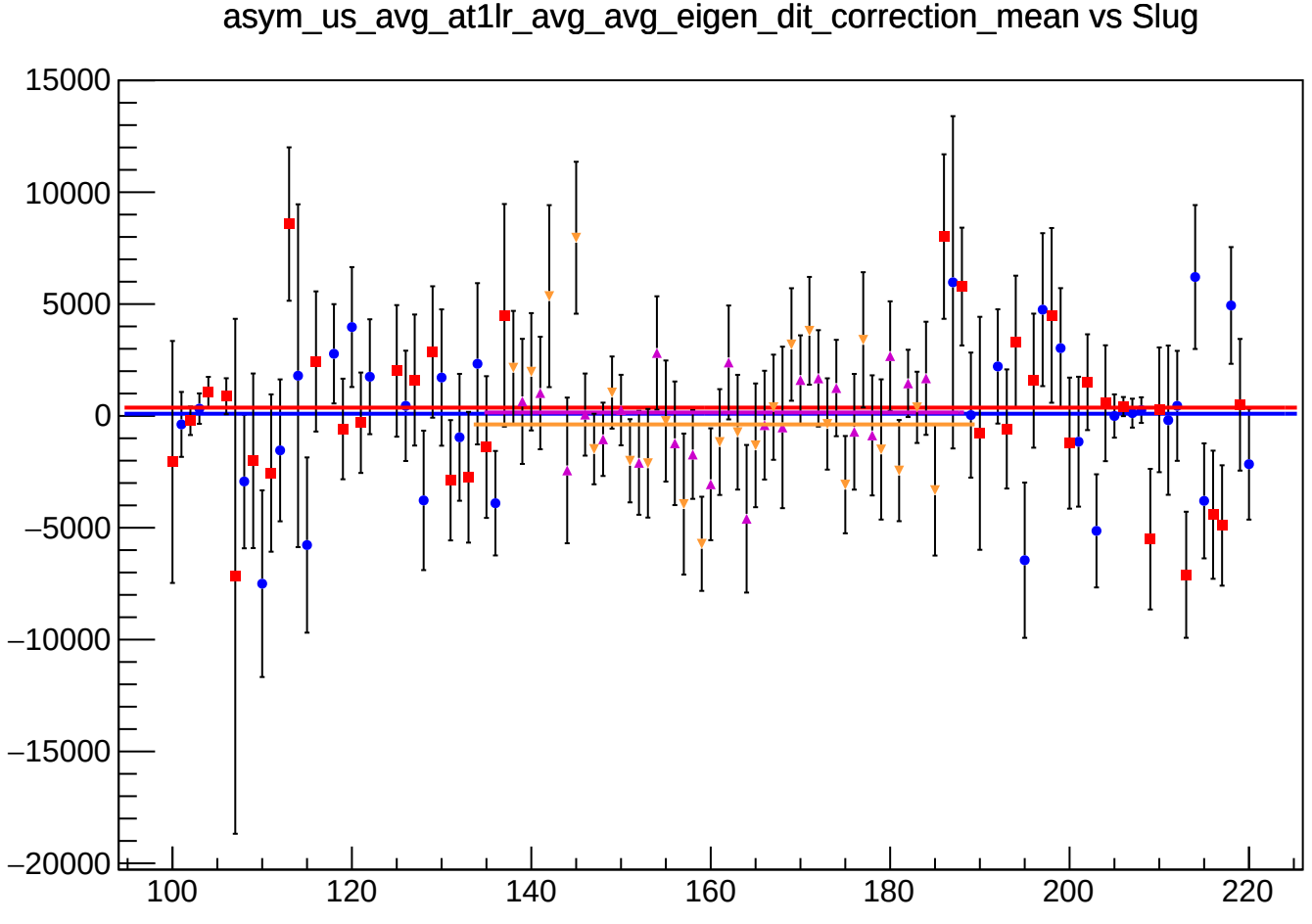
Right Out: 2268.770+/-0.351 χ^2/NDF: 261935.8/34

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2220.753+/-0.250 χ^2/NDF: 557112.5/56

All: 2226.147+/-0.178 χ^2/NDF: 845304.7/114

- sign 2231.619+/-0.252 χ^2/NDF: 287256.9/57



Right In: 97.069+/-283.456 χ^2/NDF: 39.1/32

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

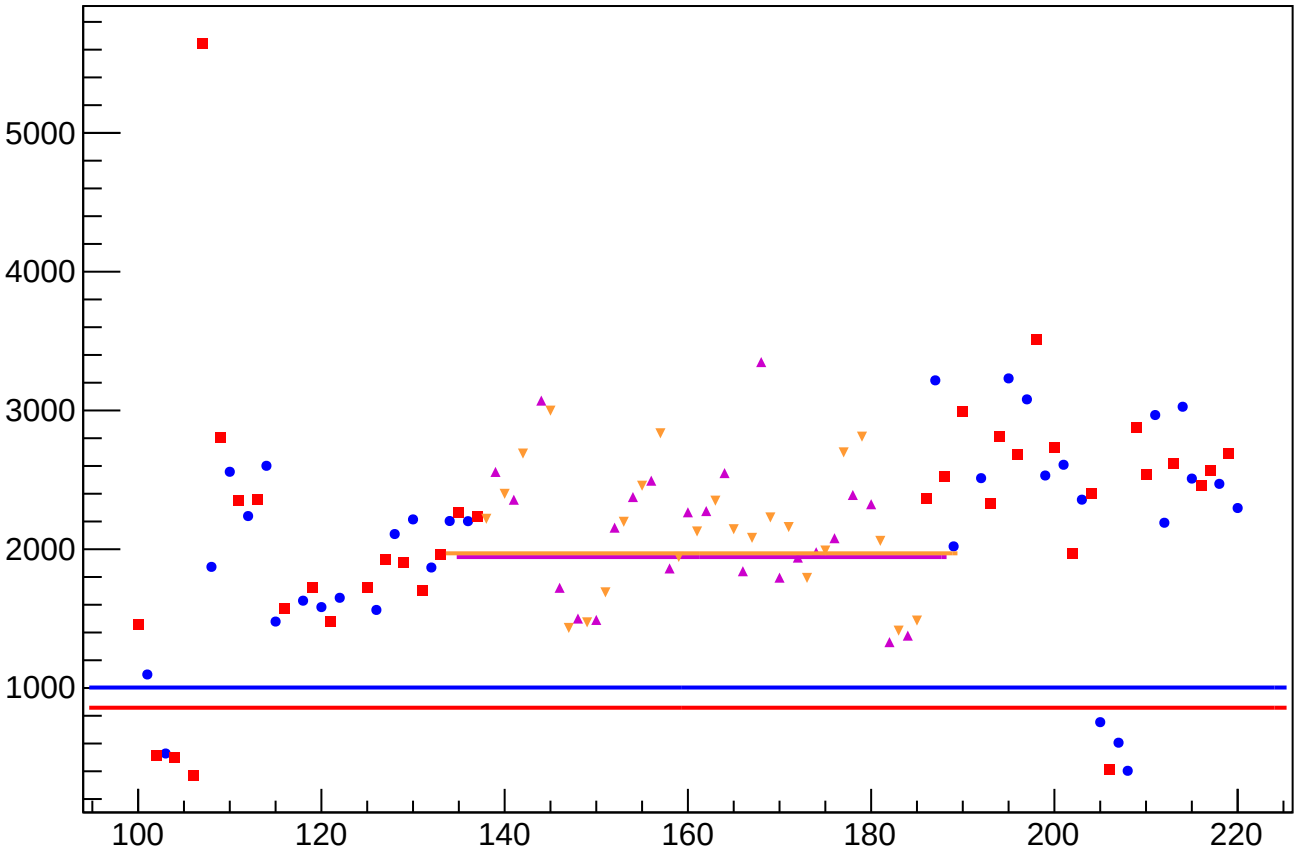
Right Out: 371.006+/-258.358 χ^2/NDF: 43.9/34

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -29.717+/-242.933 χ^2/NDF: 70.6/56

All: 157.848+/-165.540 χ^2/NDF: 128.6/114

- sign 320.439+/-226.182 χ^2/NDF: 56.9/57



Right In: 1003.515+/-0.200 χ^2/NDF: 15270269.2/32

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

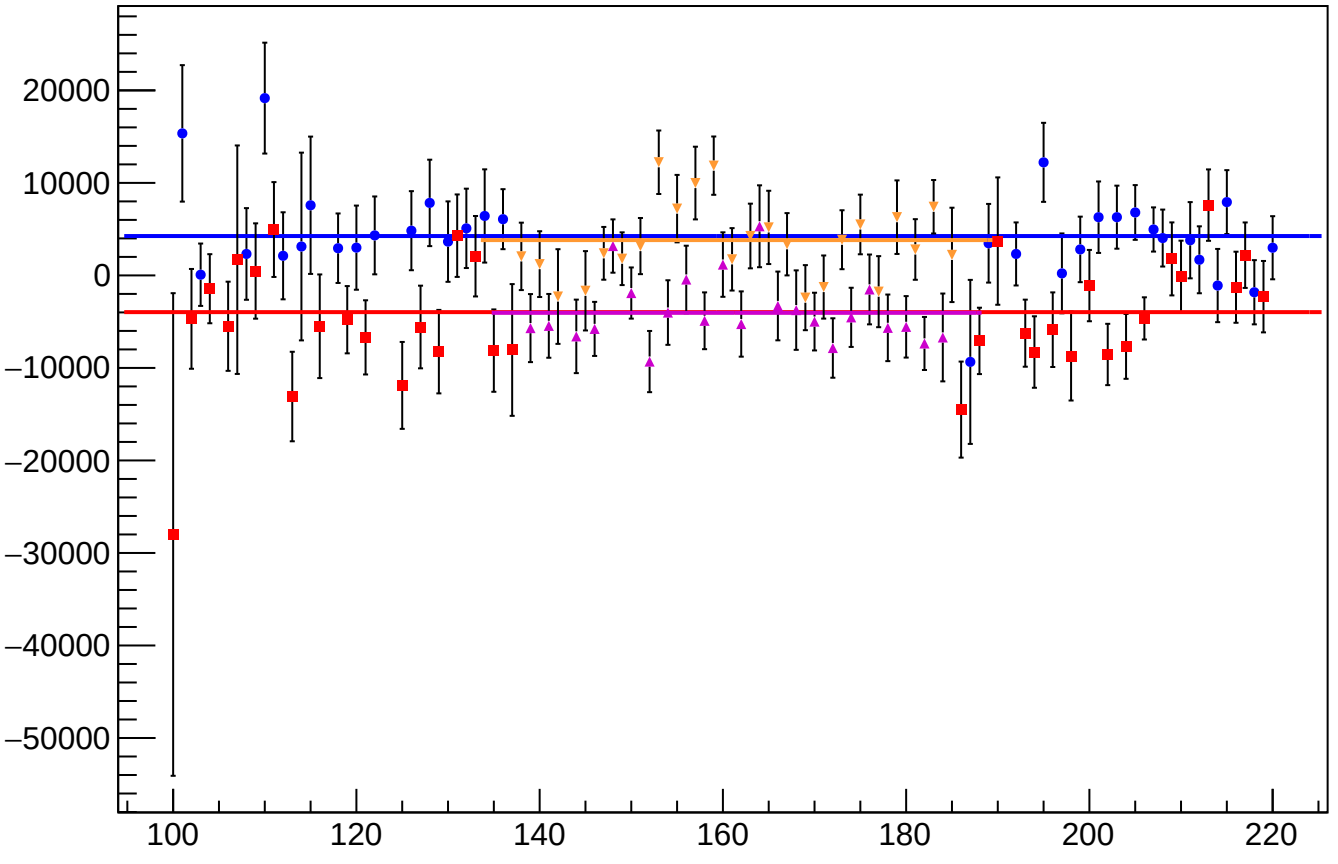
Right Out: 858.002+/-0.183 χ^2/NDF: 19165870.0/34

Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1260.278+/-0.172 χ^2/NDF: 23148271.8/56

All: 1180.624+/-0.117 χ^2/NDF: 52846912.6/1

- sign 1111.576+/-0.160 χ^2/NDF: 29297238.0/57



Right In: 4255.265+/-688.642 χ^2/NDF: 27.3/32

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -3968.165+/-708.588 χ^2/NDF: 48.4/34

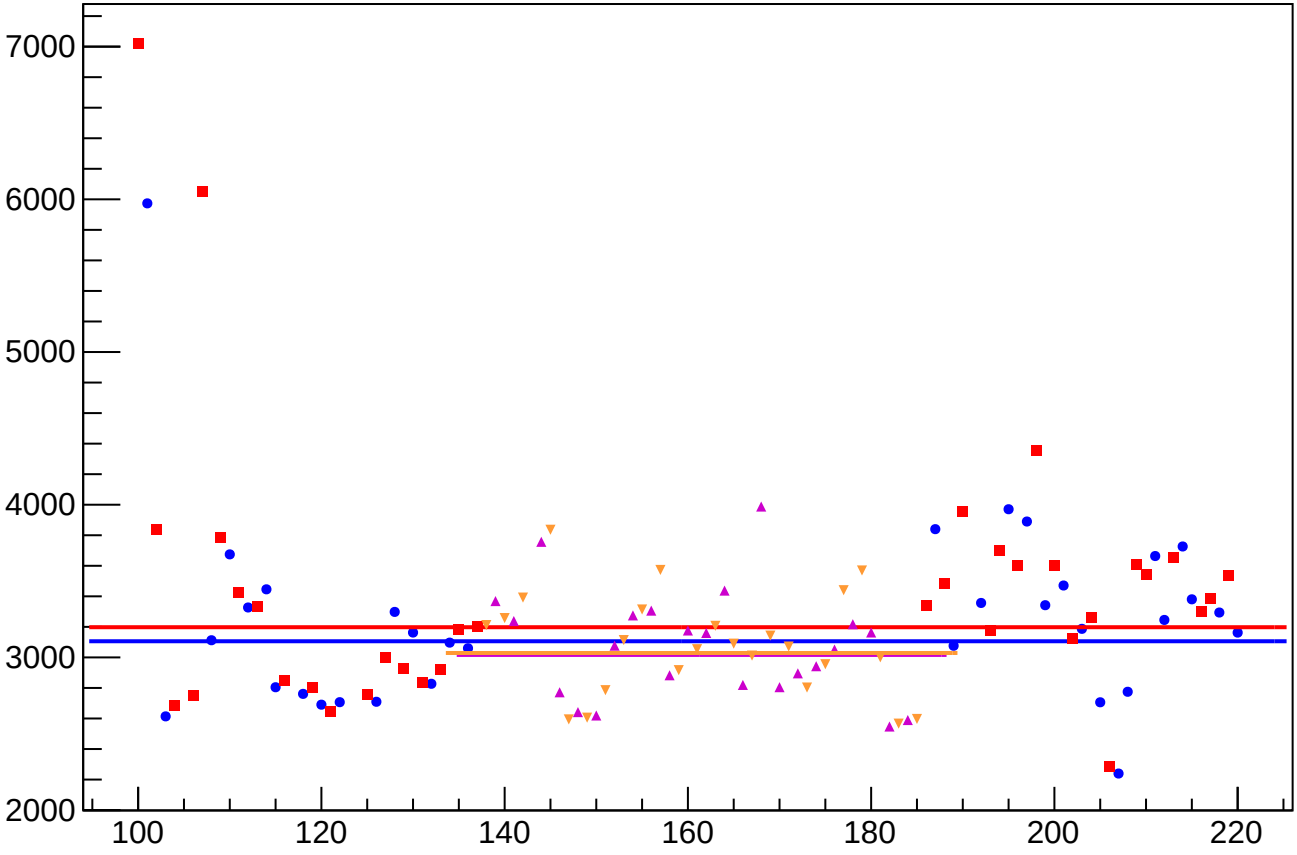
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4042.709+/-493.751 χ^2/NDF: 58.4/56

All: 80.550+/-351.806 χ^2/NDF: 260.1/114

- sign -4005.242+/-501.395 χ^2/NDF: 70.9/57

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3105.800+/-0.487 χ^2/NDF: 1085344.9/32

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

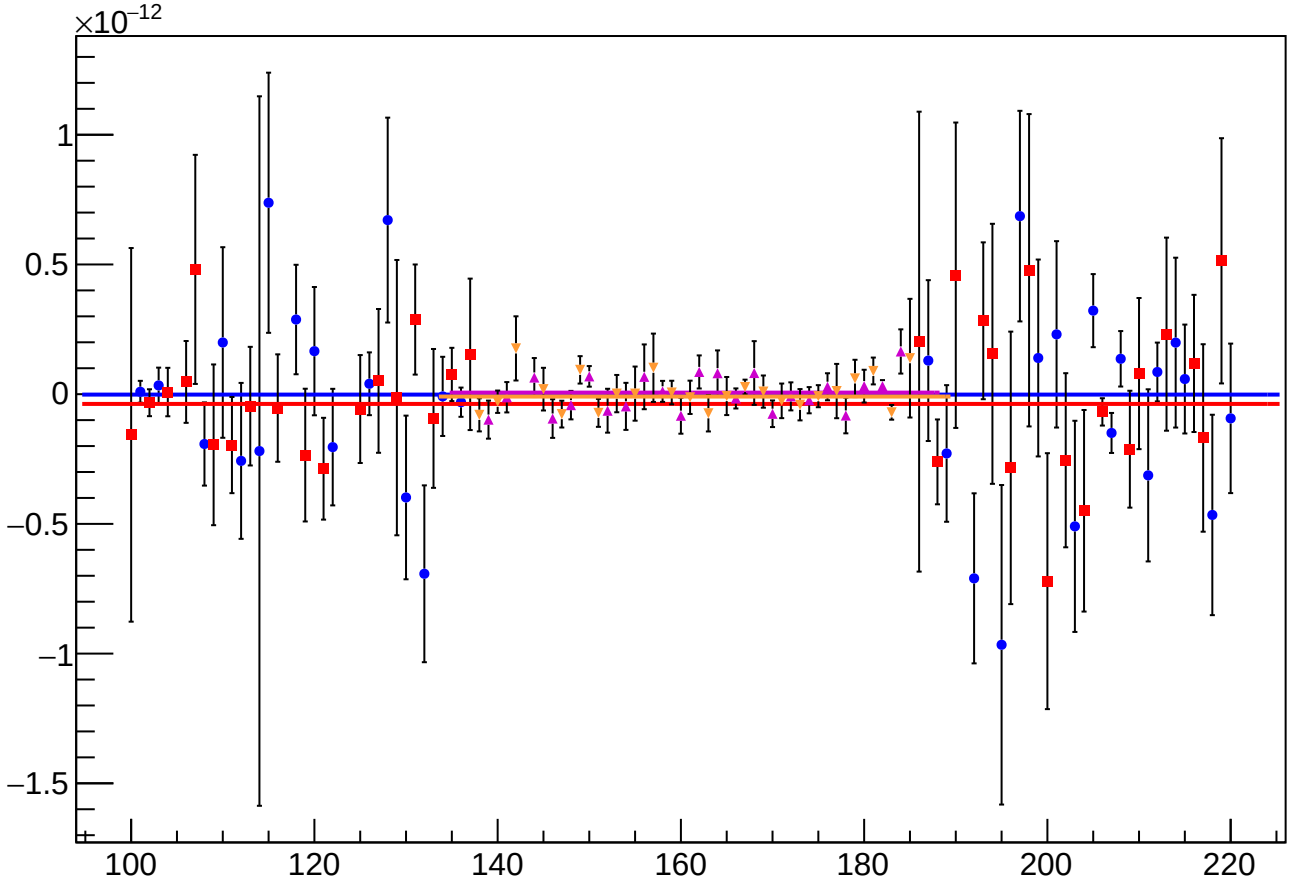
Right Out: 3197.769+/-0.501 χ^2/NDF: 1022333.3/34

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3068.473+/-0.349 χ^2/NDF: 1494548.8/56

All: 3087.508+/-0.249 χ^2/NDF: 3028348.2/11

- sign 3107.136+/-0.355 χ^2/NDF: 1527761.9/57



Right In: -0.000+/-0.000 χ^2/NDF: 44.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

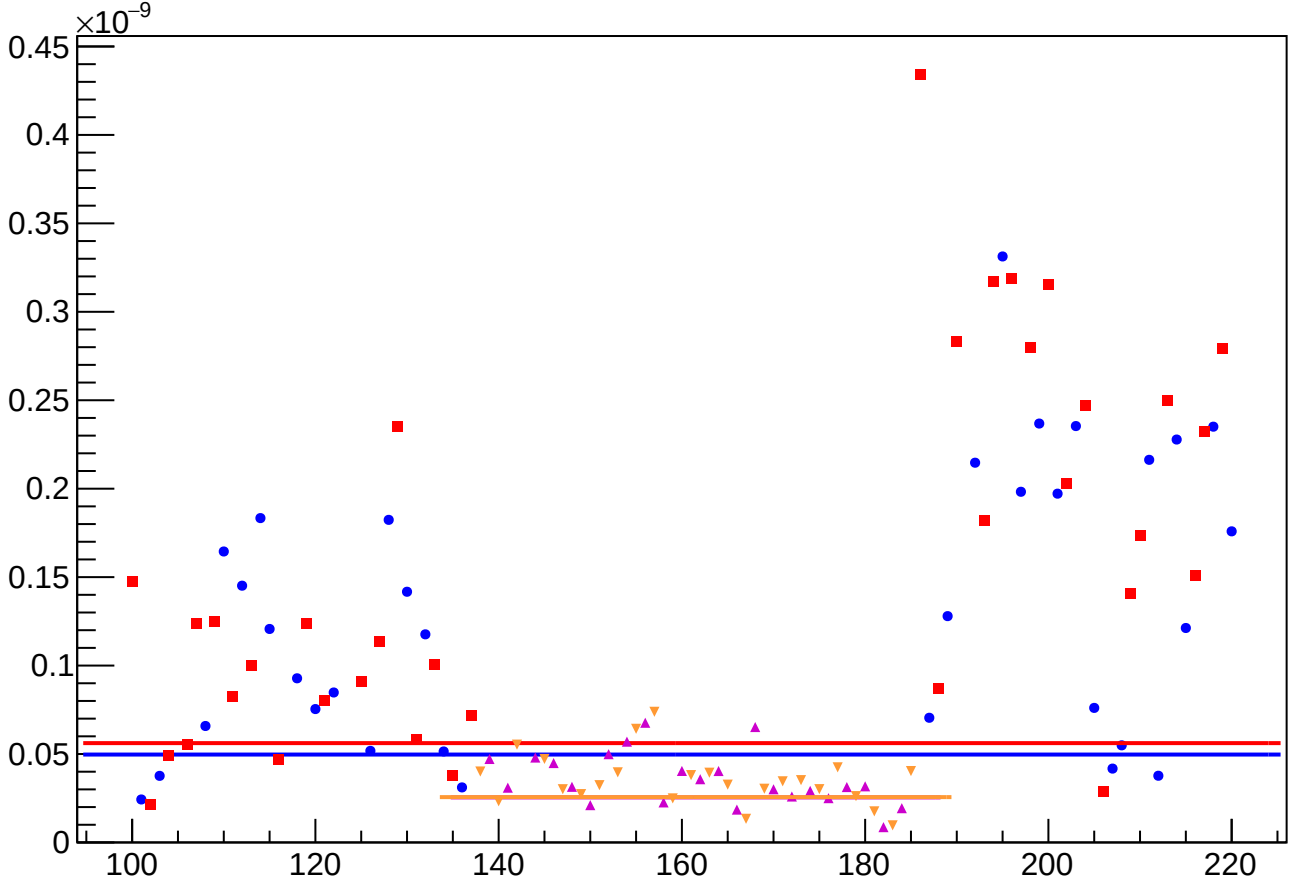
Right Out: -0.000+/-0.000 χ^2/NDF: 21.1/34

Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.5/56

All: -0.000+/-0.000 χ^2/NDF: 115.3/114

- sign -0.000+/-0.000 χ^2/NDF: 46.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 7022387.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

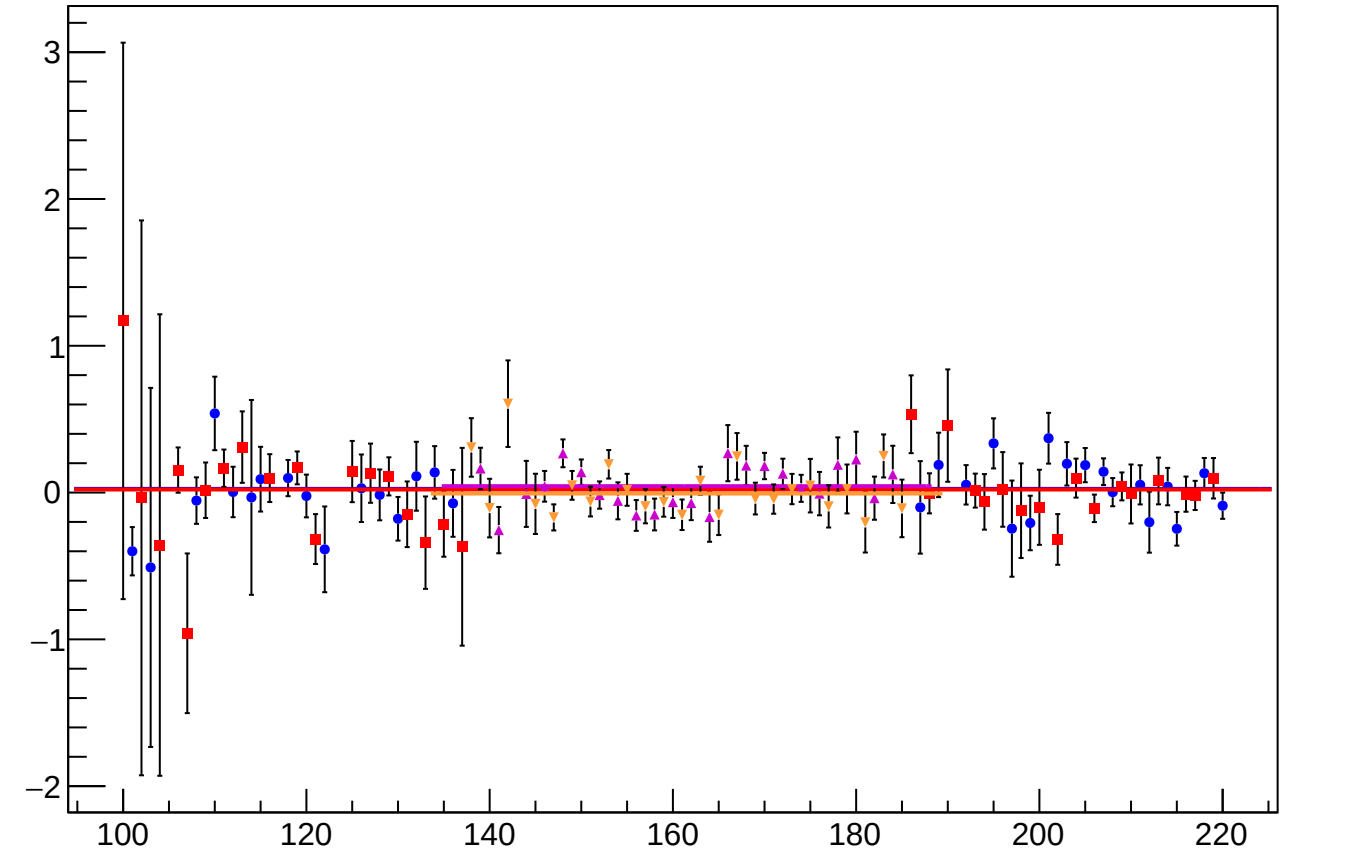
Right Out: 0.000+/-0.000 χ^2/NDF: 8546767.1/34

Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11207782.6/56

All: 0.000+/-0.000 χ^2/NDF: 24736536.5/114

- sign 0.000+/-0.000 χ^2/NDF: 13528105.5/57



Right In: 0.025+/-0.027 χ^2/NDF: 41.4/32

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

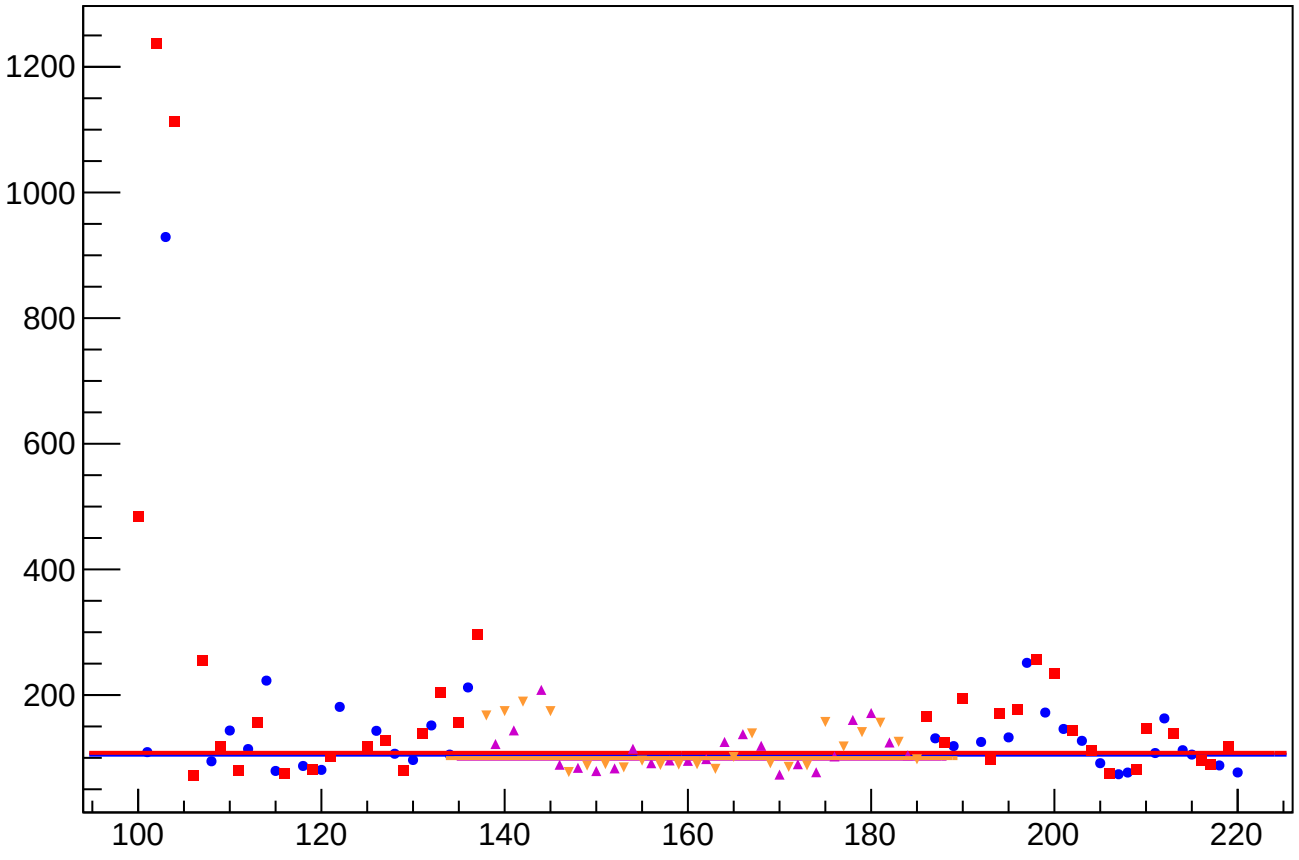
Right Out: 0.021+/-0.028 χ^2/NDF: 30.0/34

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.008+/-0.018 χ^2/NDF: 69.8/56

All: 0.021+/-0.013 χ^2/NDF: 131.4/114

- sign 0.033+/-0.019 χ^2/NDF: 60.7/57



Right In: 105.110+/-0.019 χ^2/NDF: 3662726.9/32

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

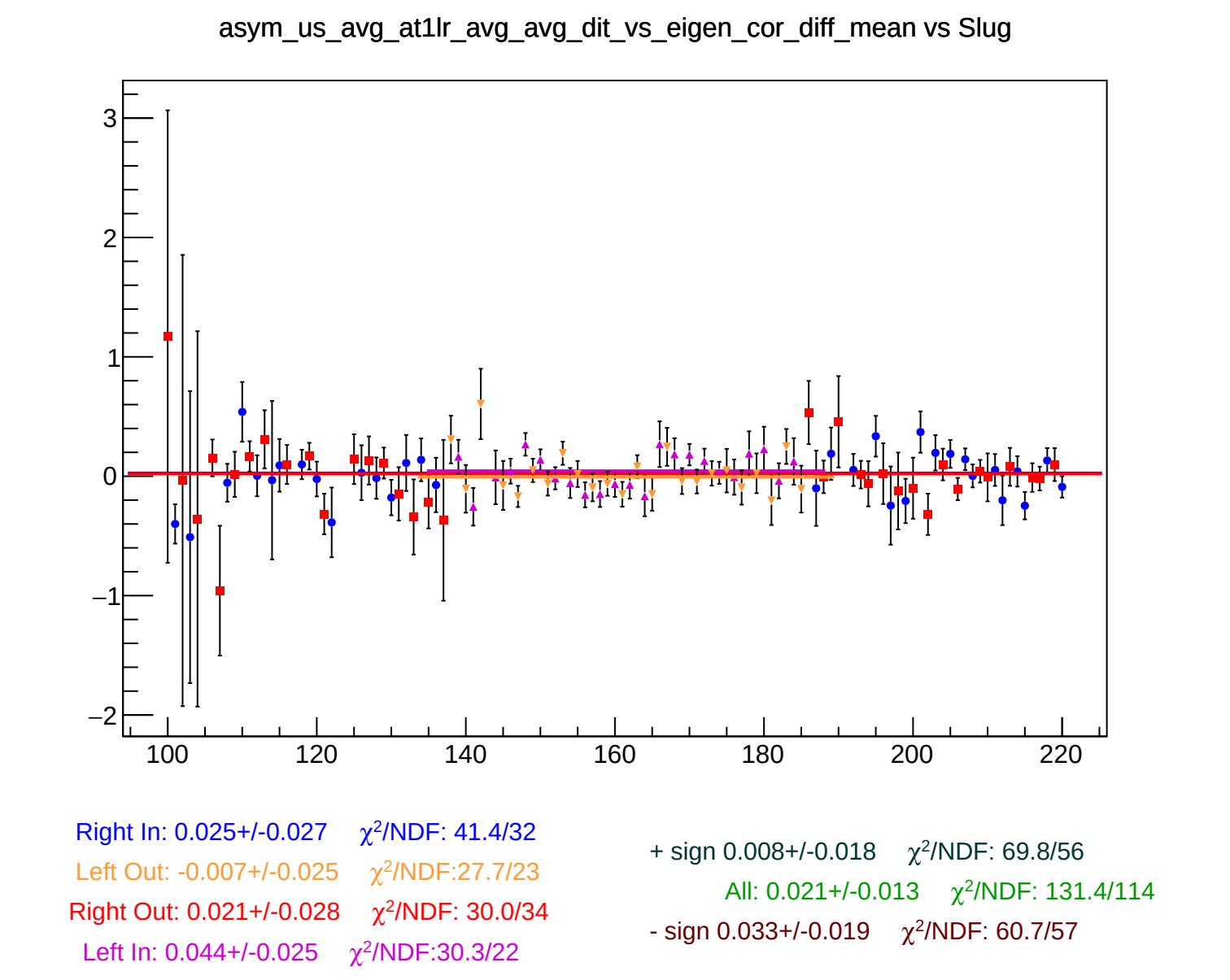
Right Out: 107.997+/-0.020 χ^2/NDF: 5101569.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.216+/-0.013 χ^2/NDF: 5778947.8/56

All: 102.520+/-0.009 χ^2/NDF: 13008737.0/11

- sign 102.835+/-0.013 χ^2/NDF: 7228671.5/57


asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs Slug
3
2
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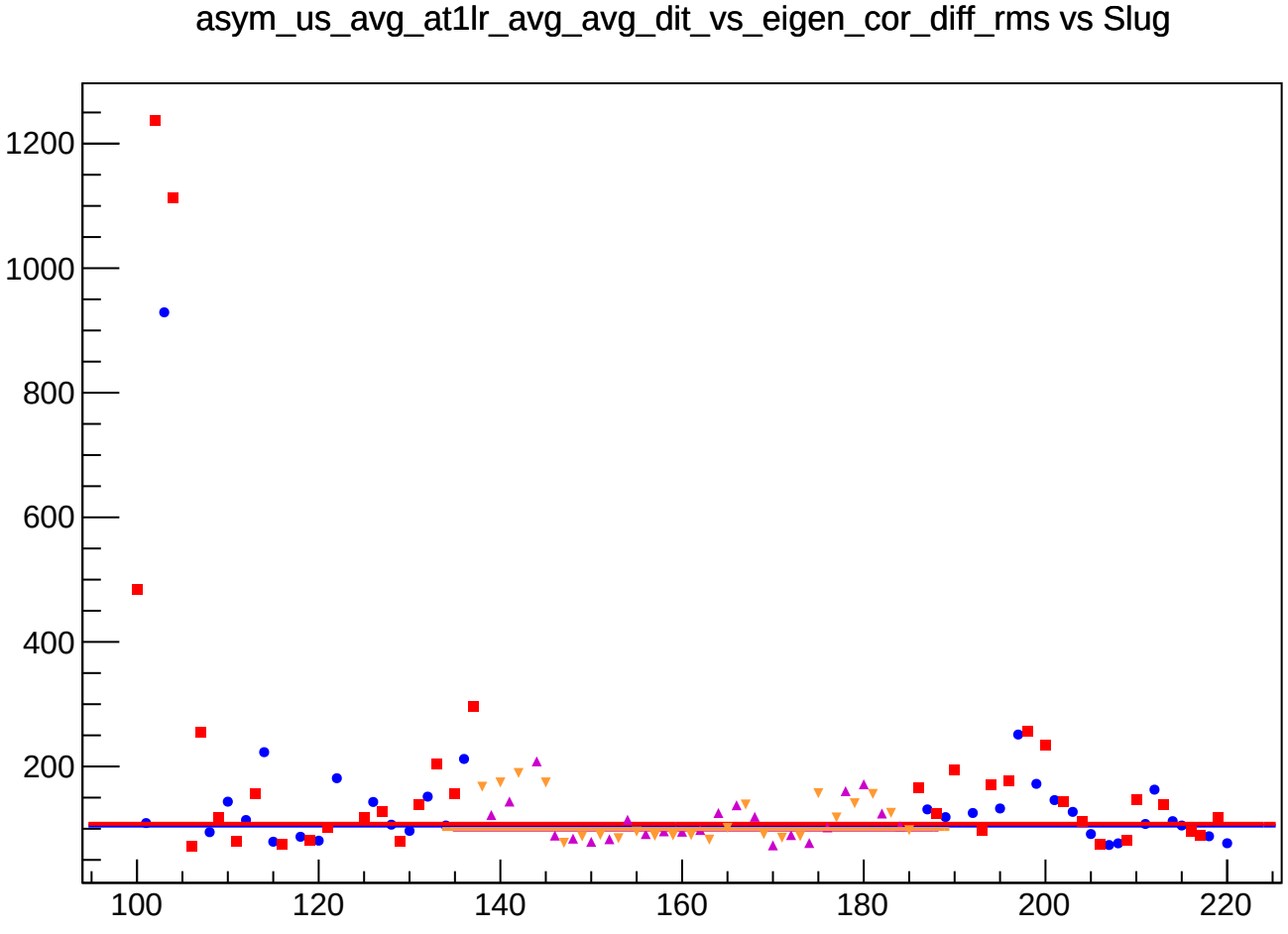
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.025+/-0.027 χ²/NDF: 41.4/32
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.021+/-0.028 χ²/NDF: 30.0/34
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.008+/-0.018 χ²/NDF: 69.8/56
All: 0.021+/-0.013 χ²/NDF: 131.4/114
- sign 0.033+/-0.019 χ²/NDF: 60.7/57



Right In: 105.110+/-0.019 χ^2/NDF: 3662726.9/32

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

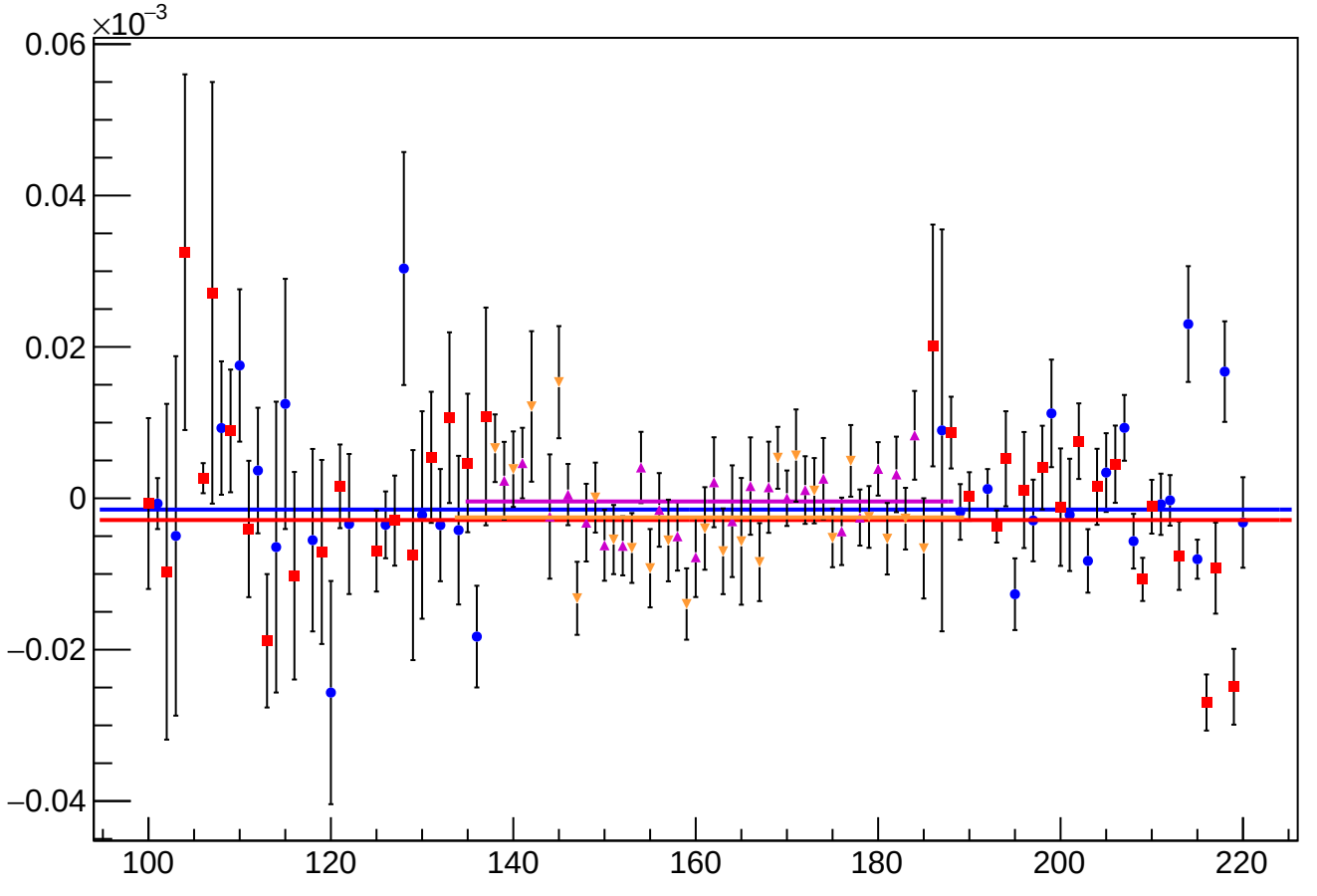
Right Out: 107.997+/-0.020 χ^2/NDF: 5101569.5/34

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 102.216+/-0.013 χ^2/NDF: 5778947.8/56

All: 102.520+/-0.009 χ^2/NDF: 13008737.0/11

- sign 102.835+/-0.013 χ^2/NDF: 7228671.5/57



Right In: -0.000+/-0.000 χ^2/NDF: 65.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:40.2/23

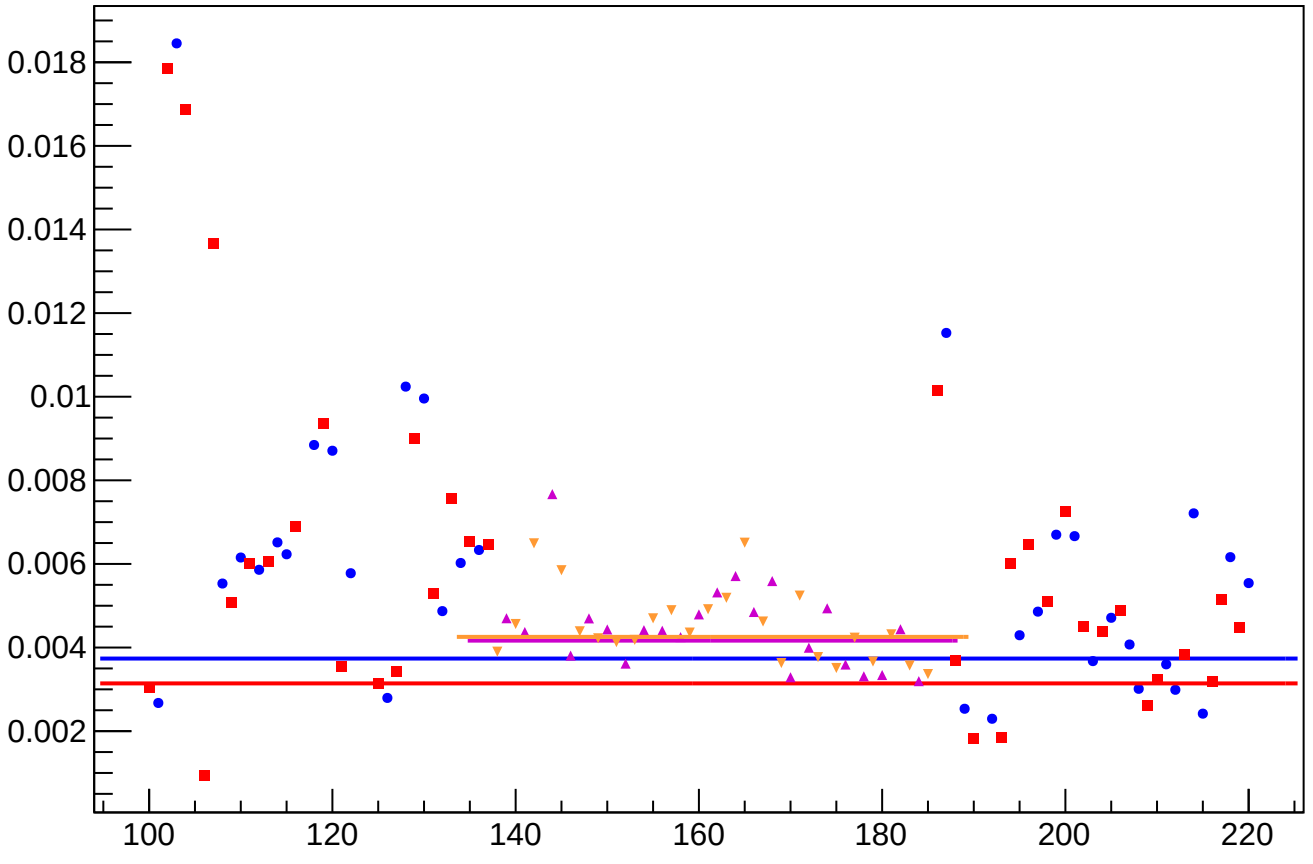
Right Out: -0.000+/-0.000 χ^2/NDF: 113.9/34

Left In: -0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 106.4/56

All: -0.000+/-0.000 χ^2/NDF: 239.8/114

- sign -0.000+/-0.000 χ^2/NDF: 133.4/57



Right In: 0.004+/-0.000 χ^2/NDF: 6786021.4/32

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

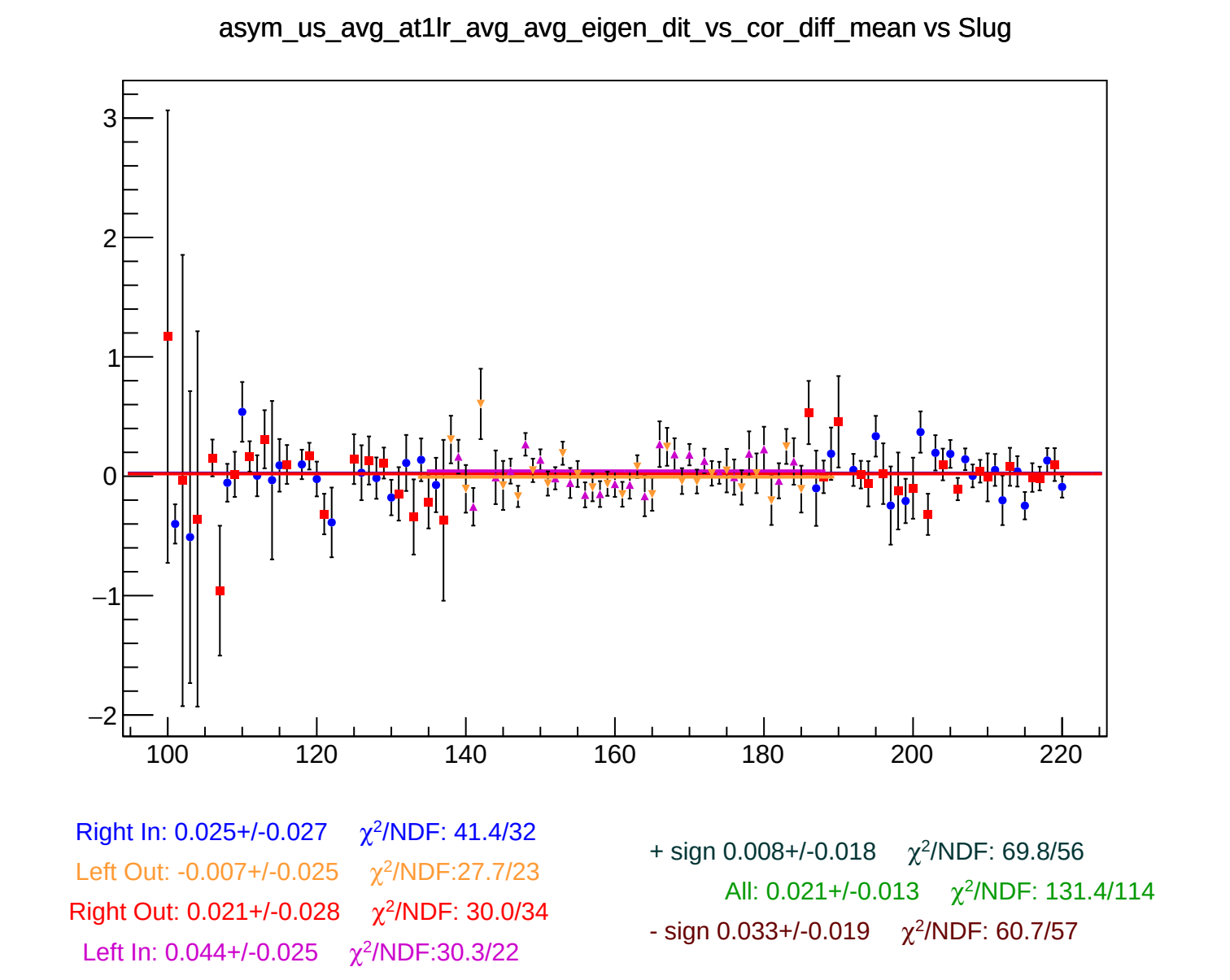
Right Out: 0.003+/-0.000 χ^2/NDF: 10784398.7/34

Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 7908397.3/56

All: 0.004+/-0.000 χ^2/NDF: 21583605.7/114

- sign 0.004+/-0.000 χ^2/NDF: 13302020.3/57


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug
3
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−2
100
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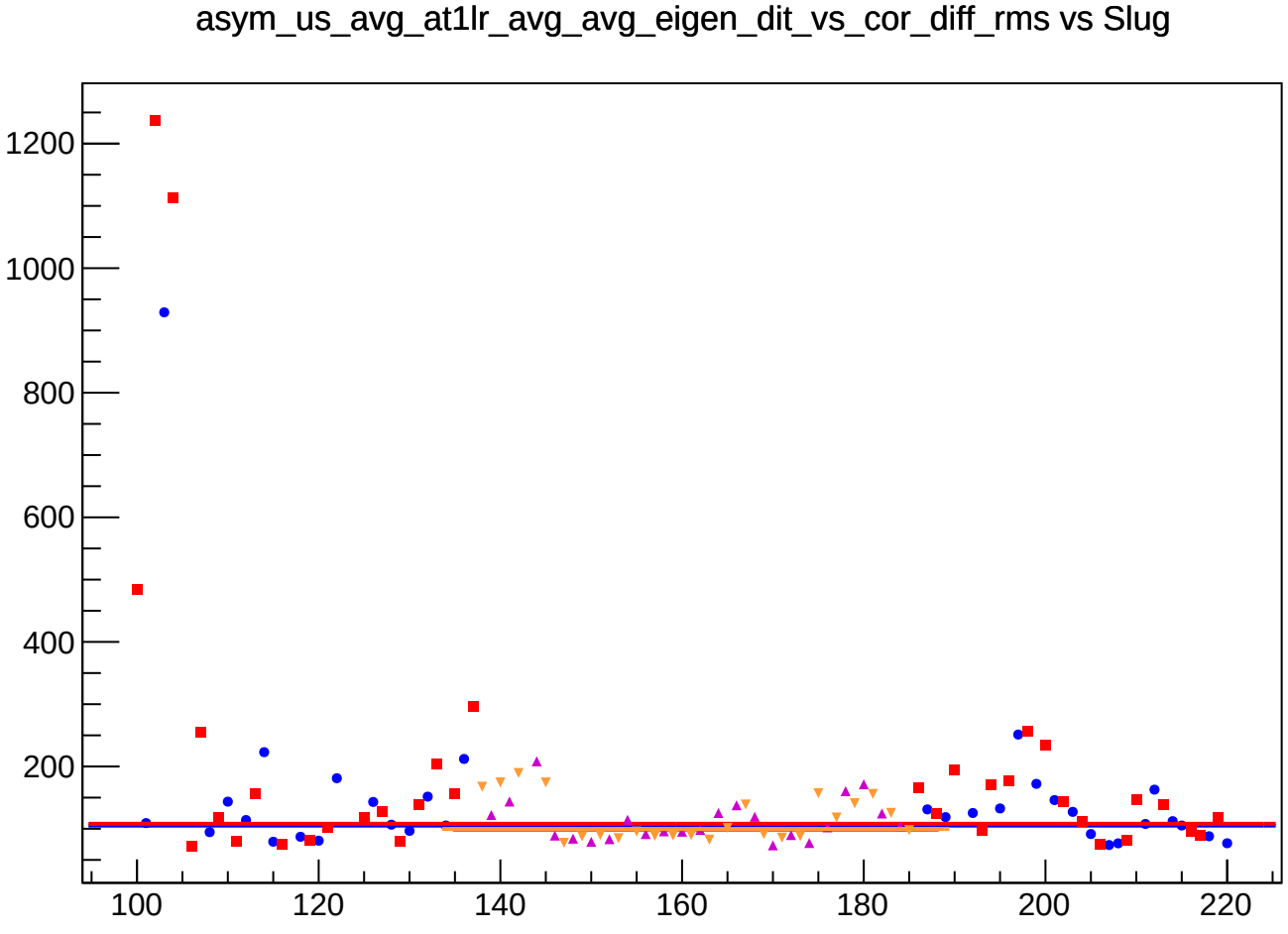
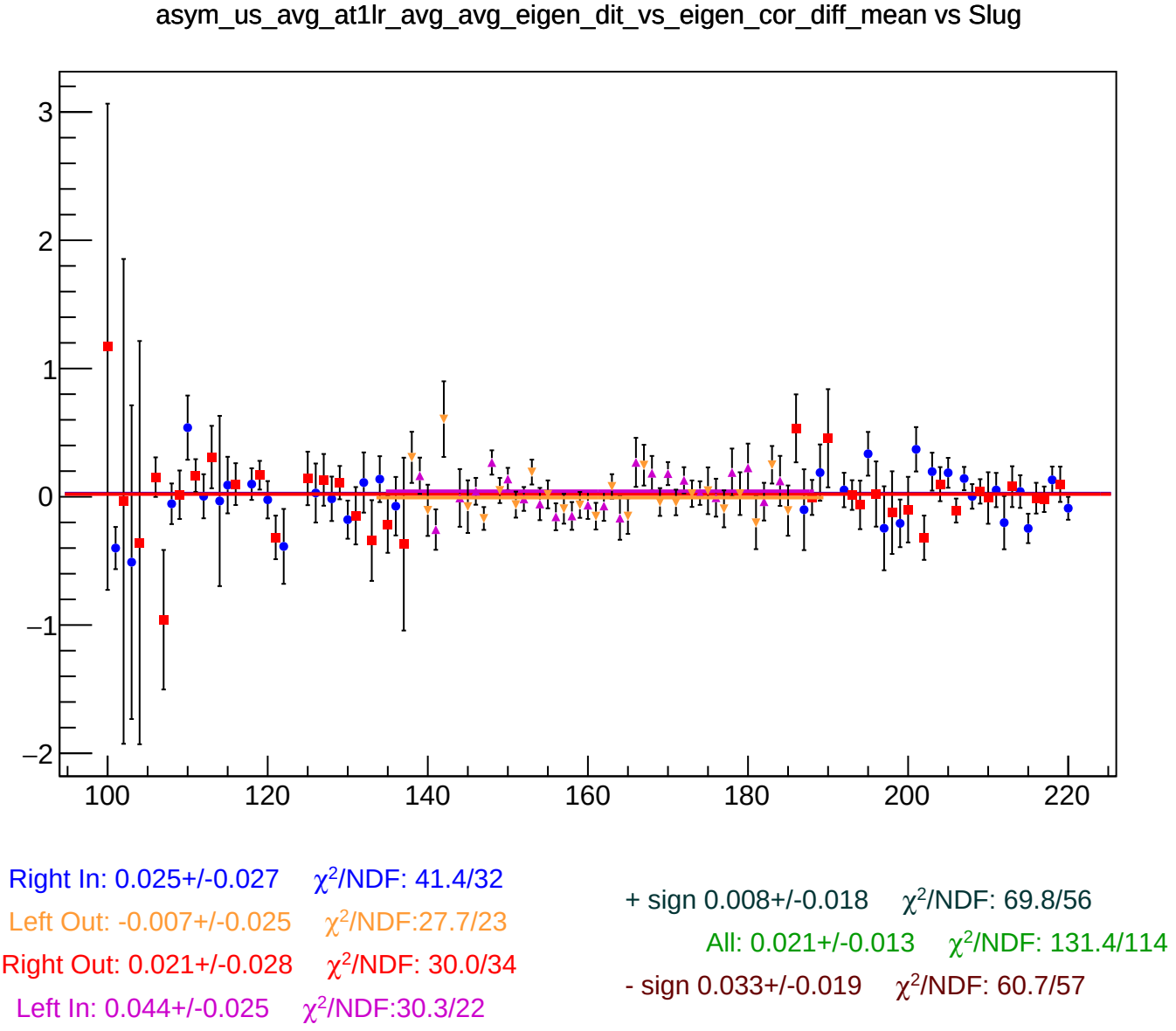
160
180
200
220
Right In: 0.025+/-0.027 χ²/NDF: 41.4/32
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.021+/-0.028 χ²/NDF: 30.0/34
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.008+/-0.018 χ²/NDF: 69.8/56
All: 0.021+/-0.013 χ²/NDF: 131.4/114
- sign 0.033+/-0.019 χ²/NDF: 60.7/57


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
220
Right In: 105.110+/-0.019 χ²/NDF: 3662655.1/32
Left Out: 99.590+/-0.018 χ²/NDF:2070951.9/23
Right Out: 107.997+/-0.020 χ²/NDF: 5101548.5/34
Left In: 98.669+/-0.018 χ²/NDF:2003332.7/22
+ sign 102.217+/-0.013 χ²/NDF: 5778829.4/56
All: 102.521+/-0.009 χ²/NDF: 13008546.3/11
- sign 102.835+/-0.013 χ²/NDF: 7228600.1/57


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
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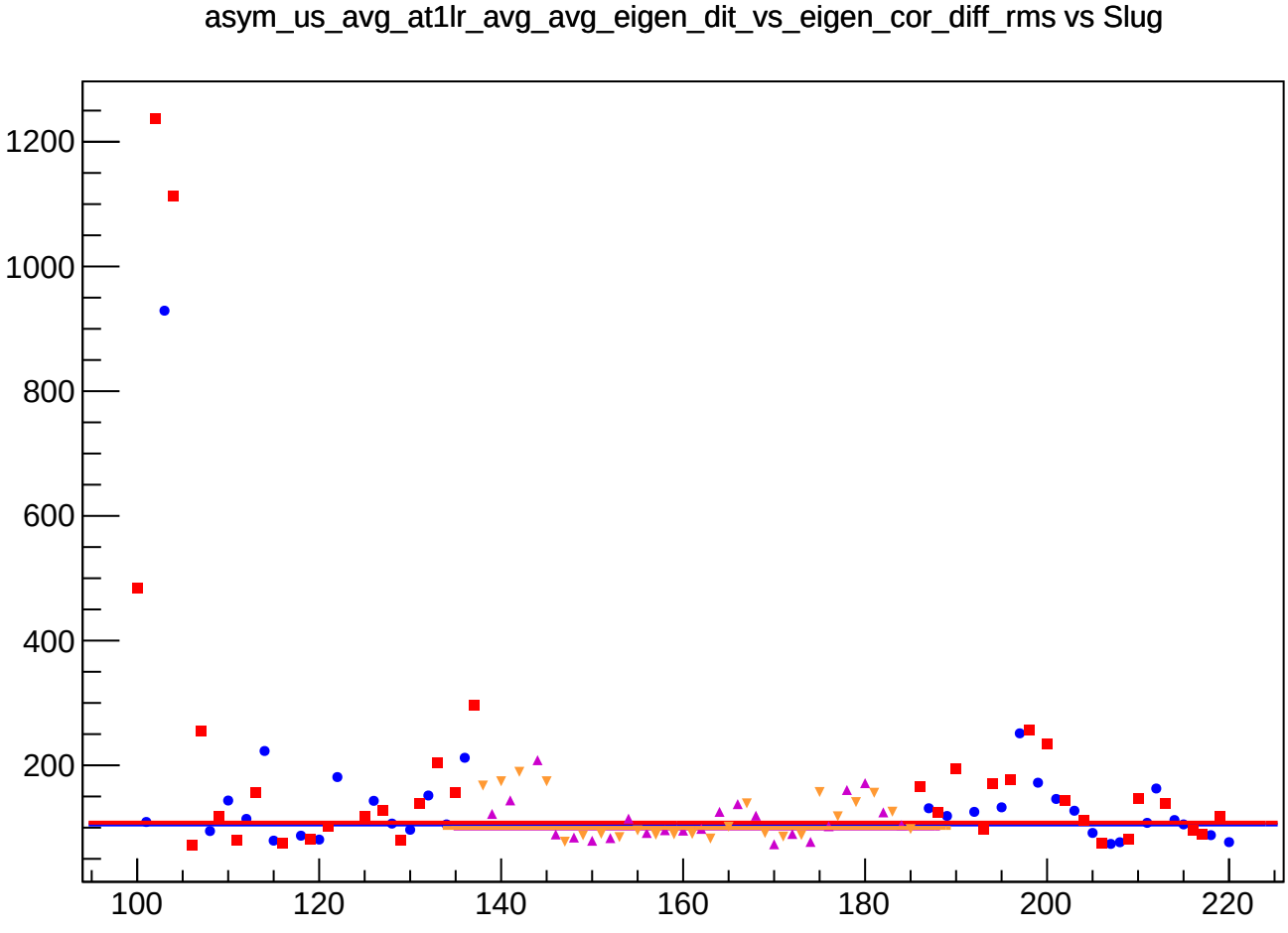
−1
−2
100
120
140
160
180
200
220
Right In: 0.025+/-0.027 χ²/NDF: 41.4/32
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.021+/-0.028 χ²/NDF: 30.0/34
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.008+/-0.018 χ²/NDF: 69.8/56
All: 0.021+/-0.013 χ²/NDF: 131.4/114
- sign 0.033+/-0.019 χ²/NDF: 60.7/57



Right In: 105.110+/-0.019 χ^2/NDF: 3662655.1/32

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

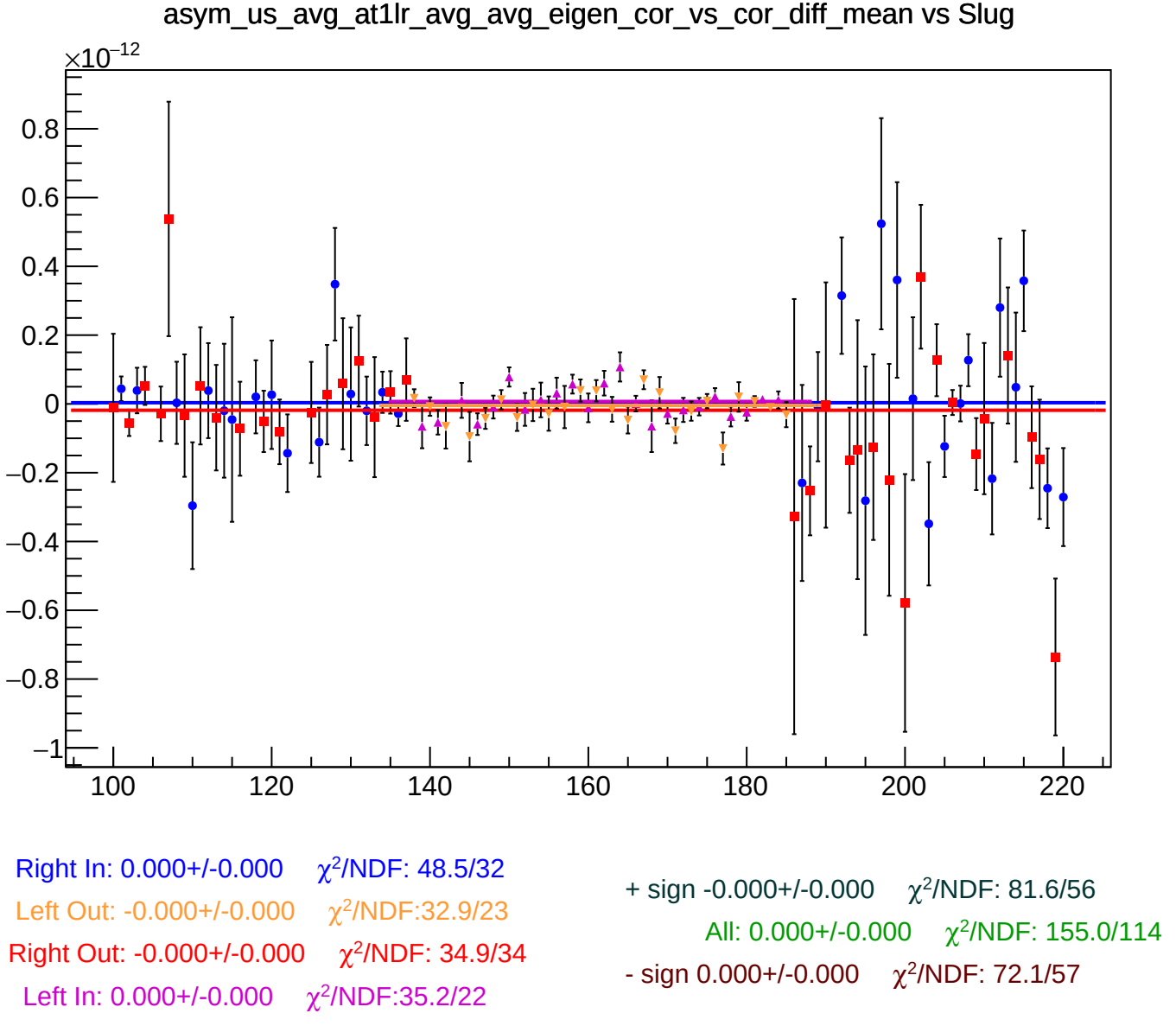
Right Out: 107.997+/-0.020 χ^2/NDF: 5101548.5/34

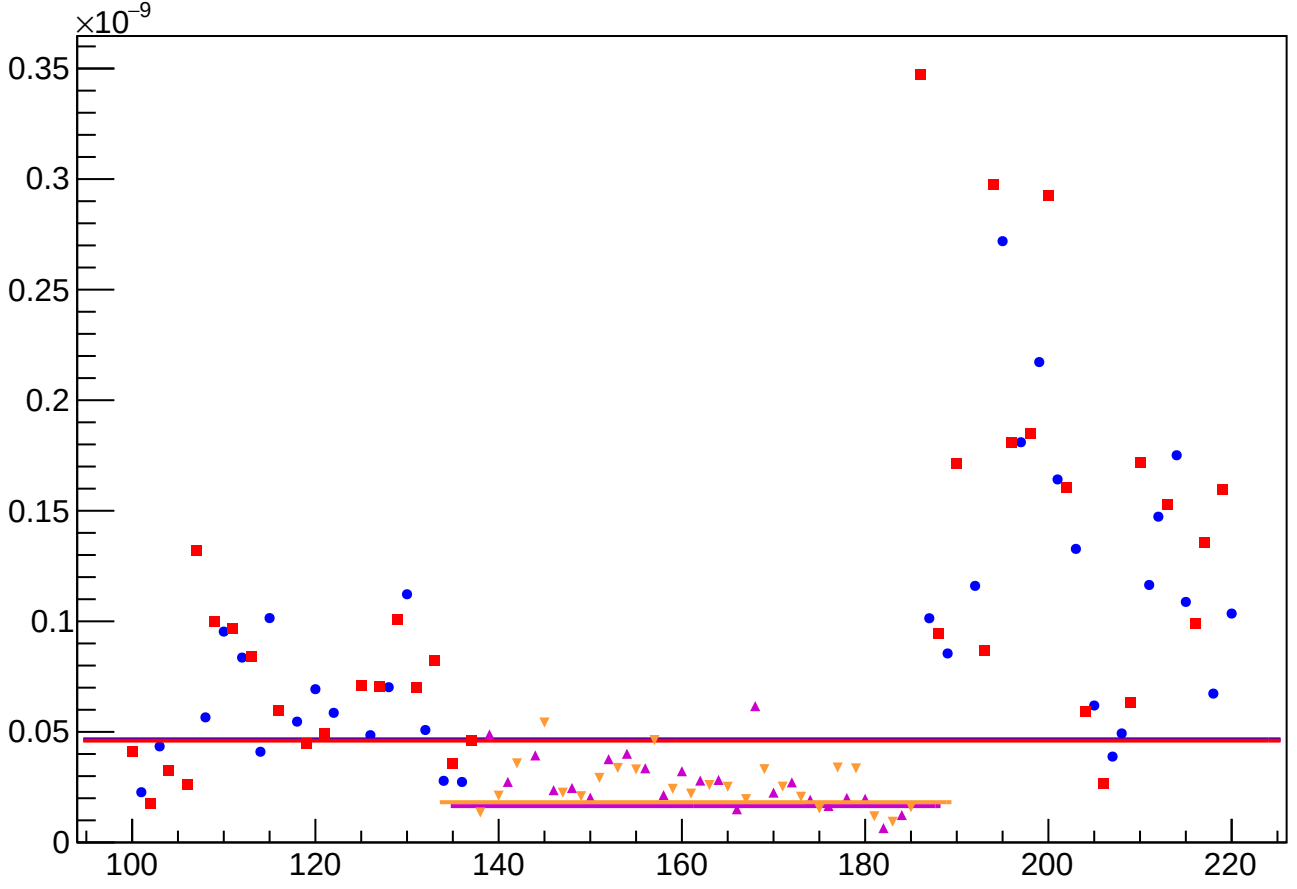
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 102.217+/-0.013 χ^2/NDF: 5778829.4/56

All: 102.521+/-0.009 χ^2/NDF: 13008546.3/11

- sign 102.835+/-0.013 χ^2/NDF: 7228600.1/57


asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 48.5/32
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 34.9/34
Left In: 0.000+/-0.000 χ²/NDF:35.2/22
+ sign -0.000+/-0.000 χ²/NDF: 81.6/56
All: 0.000+/-0.000 χ²/NDF: 155.0/114
- sign 0.000+/-0.000 χ²/NDF: 72.1/57



Right In: 0.000+/-0.000 χ^2/NDF: 8060127.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9952500.3/34

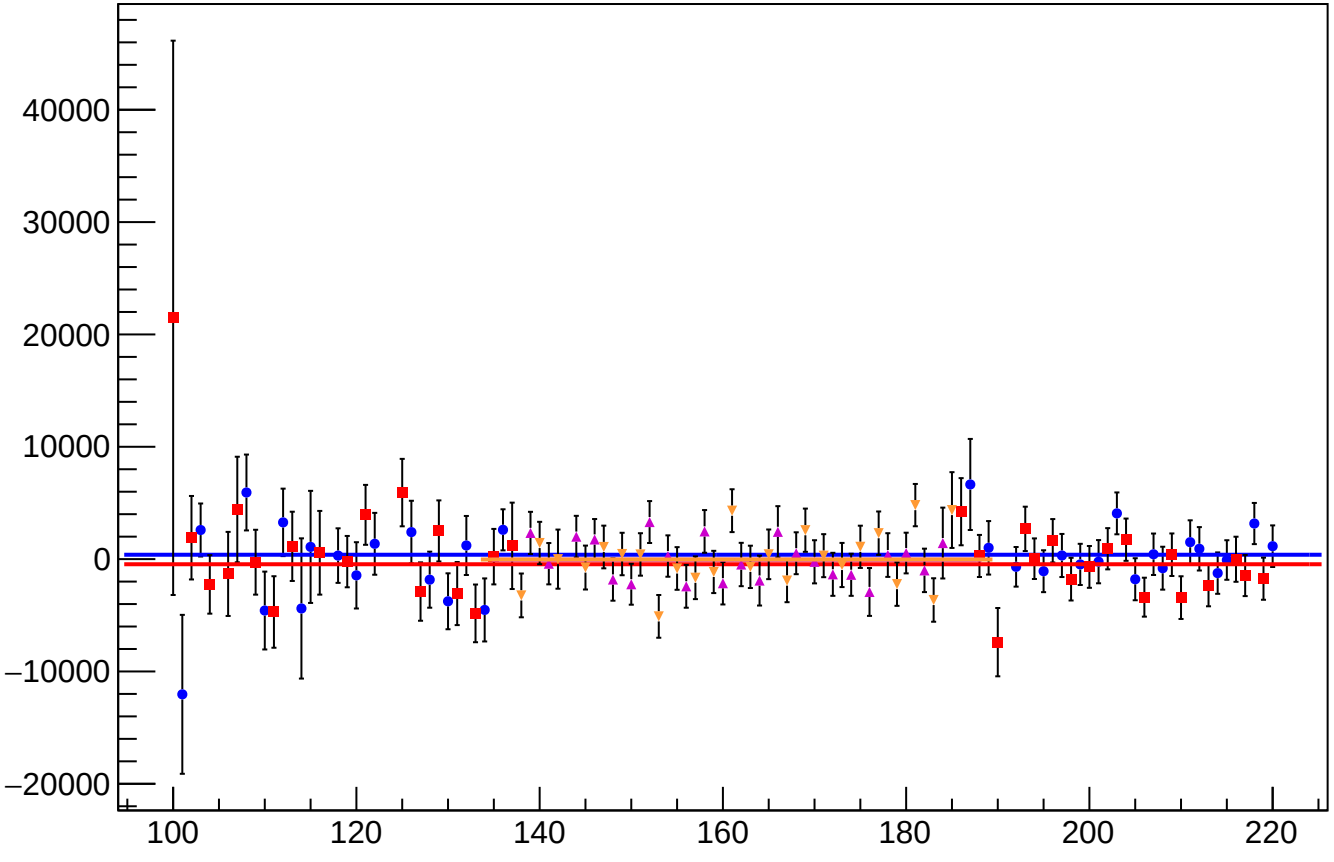
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 17817708.2/56

All: 0.000+/-0.000 χ^2/NDF: 40393000.6/114

- sign 0.000+/-0.000 χ^2/NDF: 22386954.3/57

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 389.319+/-390.669 χ^2/NDF: 32.6/32

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -456.393+/-393.191 χ^2/NDF: 39.7/34

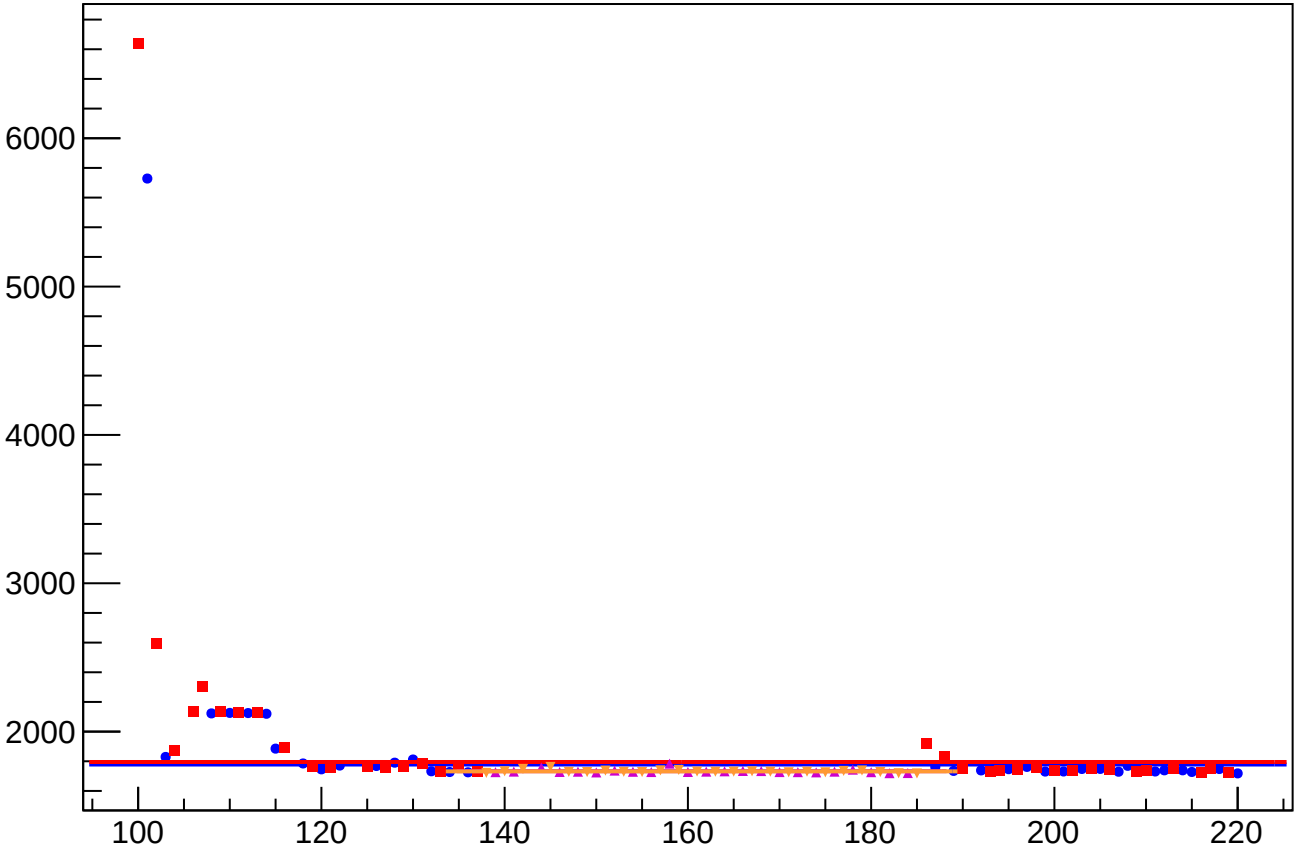
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

\+ sign 183.306+/-280.155 χ^2/NDF: 68.6/56

All: -37.091+/-198.752 χ^2/NDF: 129.4/114

\- sign -260.416+/-282.010 χ^2/NDF: 59.6/57

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1778.178+/-0.276 χ^2/NDF: 717347.2/32

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

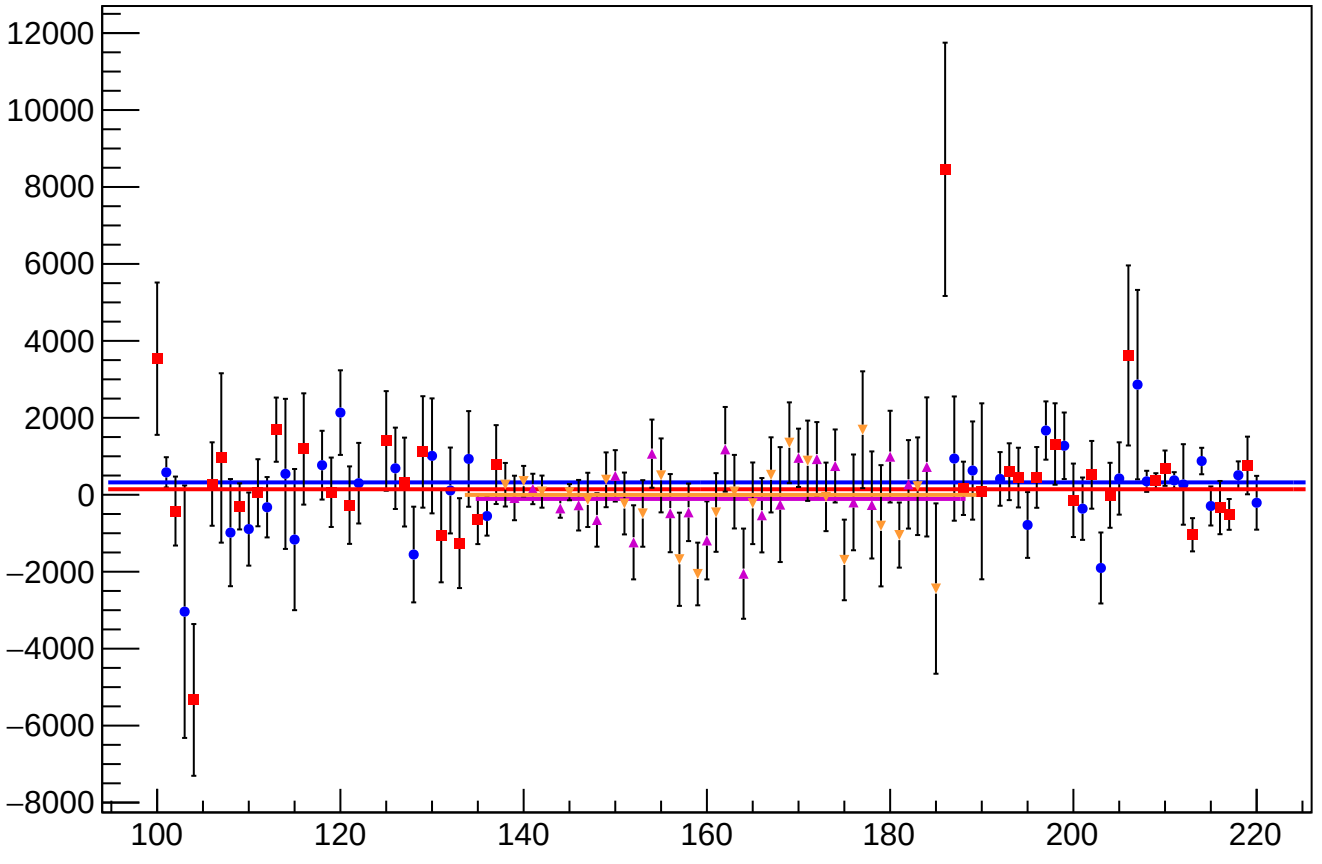
Right Out: 1795.108+/-0.278 χ^2/NDF: 319975.4/34

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1755.740+/-0.198 χ^2/NDF: 731866.3/56

All: 1760.391+/-0.141 χ^2/NDF: 1079167.9/11

- sign 1765.103+/-0.199 χ^2/NDF: 346191.9/57



Right In: 321.923+/-104.981 χ^2/NDF: 33.0/32

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: 143.447+/-115.645 χ^2/NDF: 46.3/34

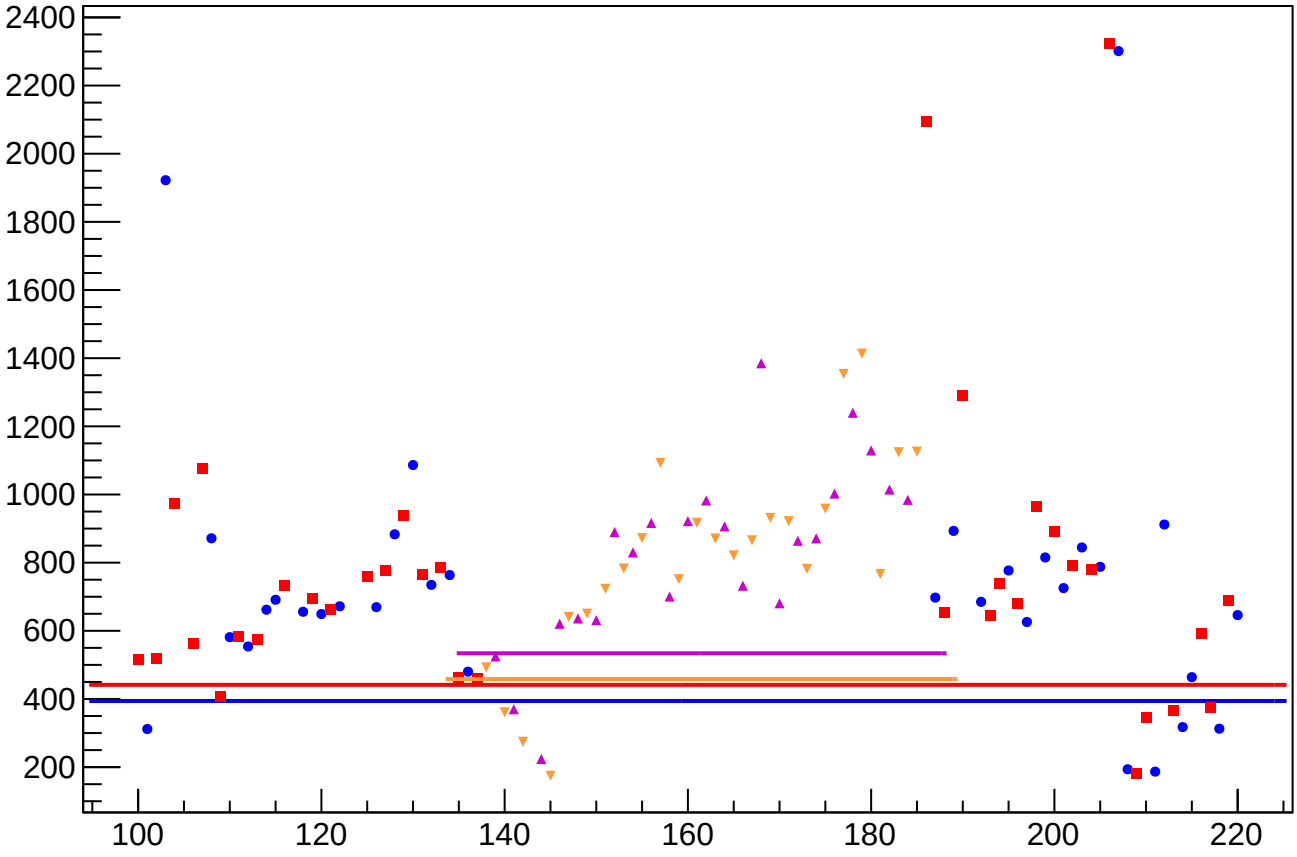
Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 193.965+/-81.688 χ^2/NDF: 57.0/56

All: 126.286+/-60.487 χ^2/NDF: 123.7/114

- sign 44.135+/-89.999 χ^2/NDF: 65.2/57

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 394.115+/-0.074 χ^2/NDF: 10841096.1/32

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 441.474+/-0.082 χ^2/NDF: 9917680.0/34

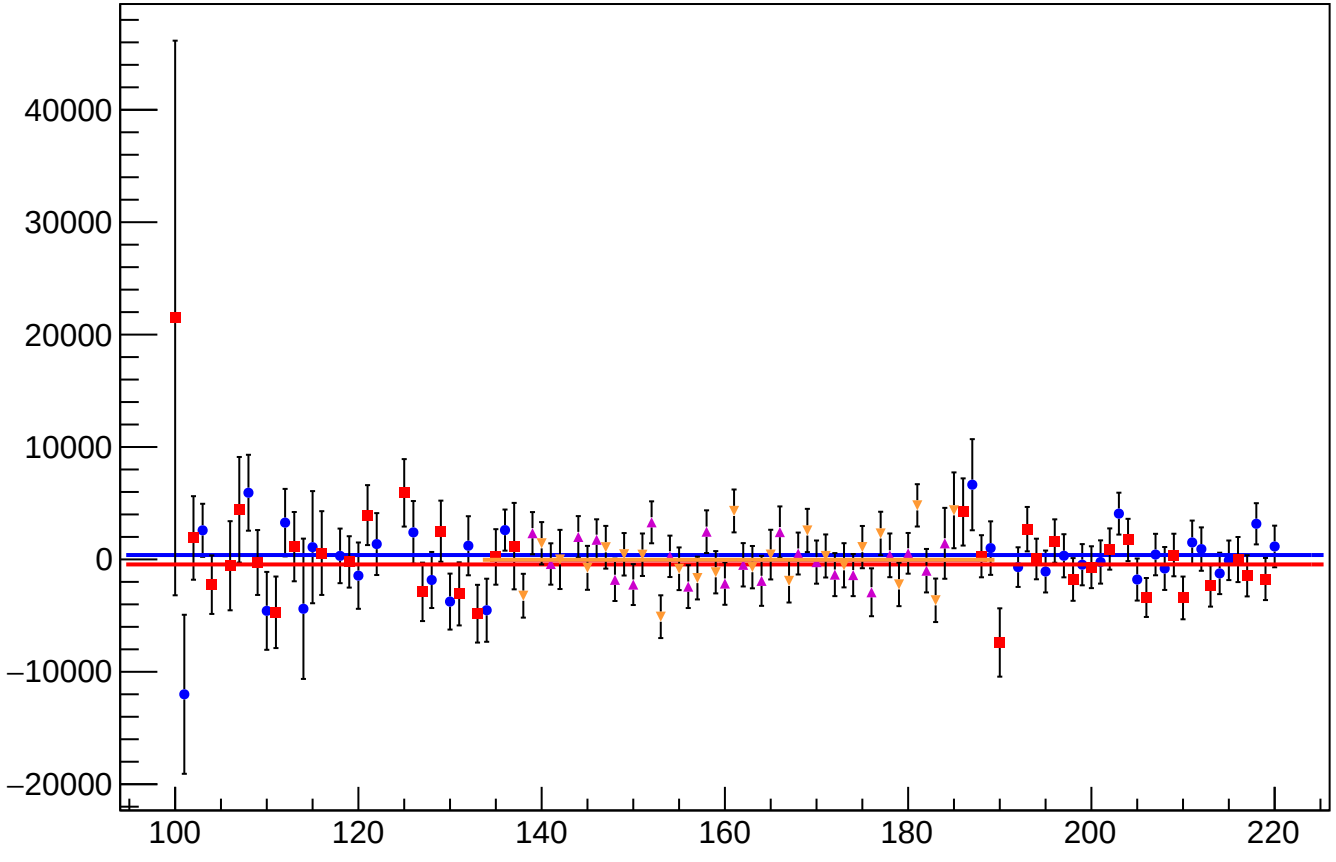
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 419.548+/-0.058 χ^2/NDF: 22565351.4/56

All: 445.963+/-0.043 χ^2/NDF: 41895928.5/11

- sign 478.026+/-0.064 χ^2/NDF: 18867608.2/57

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 389.371+/-390.669 χ^2/NDF: 32.6/32

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -447.853+/-393.428 χ^2/NDF: 39.6/34

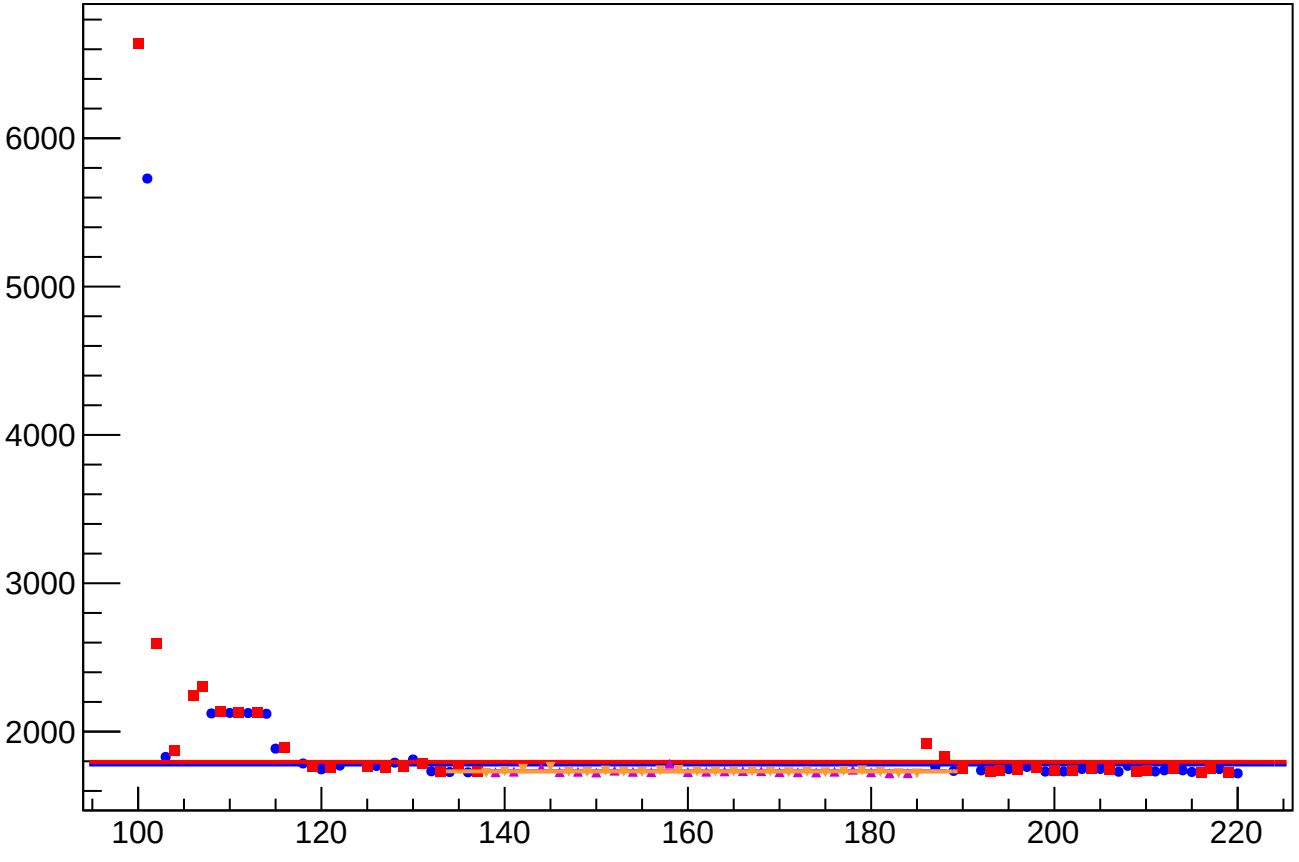
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

\+ sign 183.360+/-280.155 χ^2/NDF: 68.5/56

All: -34.735+/-198.783 χ^2/NDF: 129.3/114

\- sign -255.864+/-282.097 χ^2/NDF: 59.5/57

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1778.177+/-0.276 χ^2/NDF: 717347.1/32

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

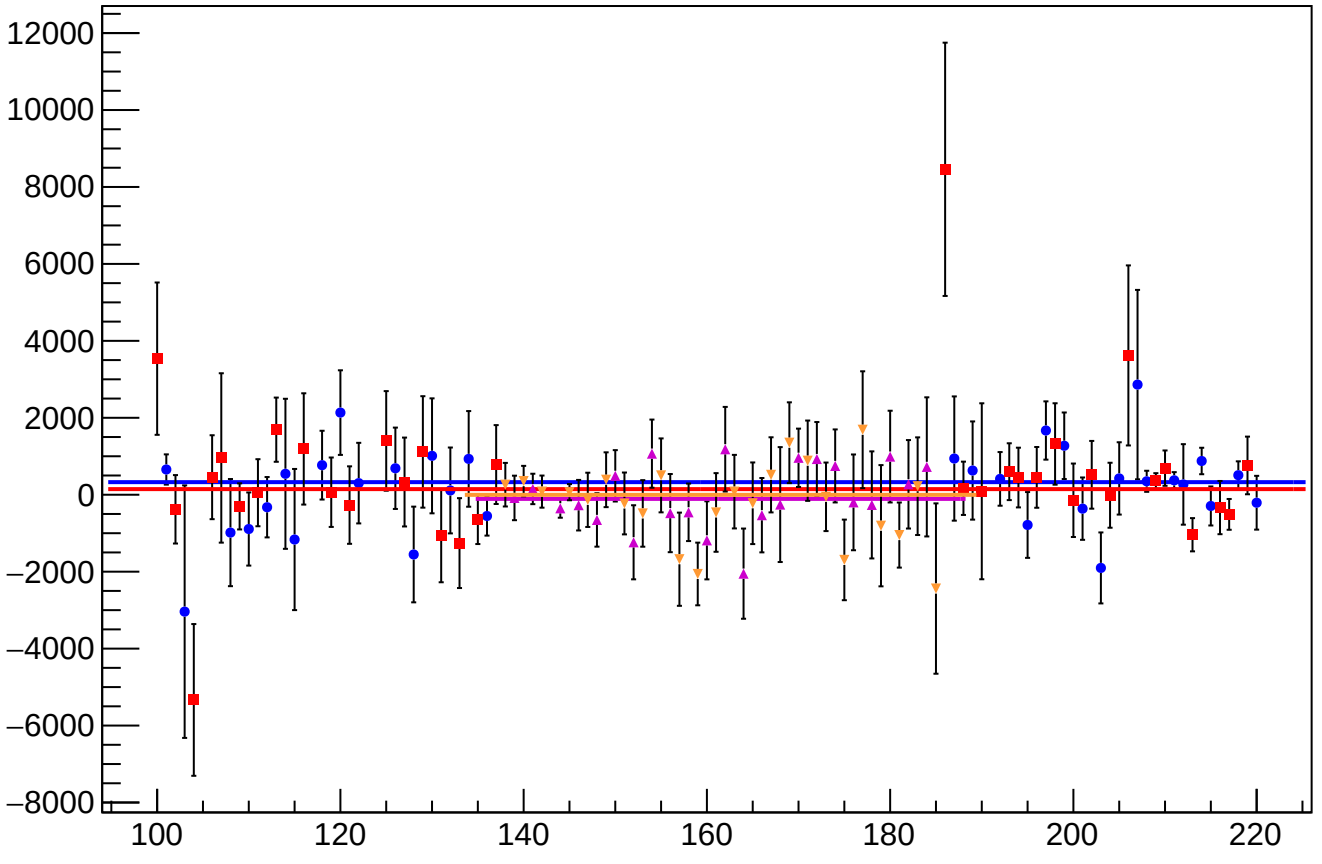
Right Out: 1795.732+/-0.278 χ^2/NDF: 328693.4/34

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1755.740+/-0.198 χ^2/NDF: 731866.1/56

All: 1760.539+/-0.141 χ^2/NDF: 1088430.7/11

- sign 1765.405+/-0.199 χ^2/NDF: 355382.5/57



Right In: 327.268+/-104.970 χ^2/NDF: 33.3/32

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: 146.094+/-115.637 χ^2/NDF: 46.3/34

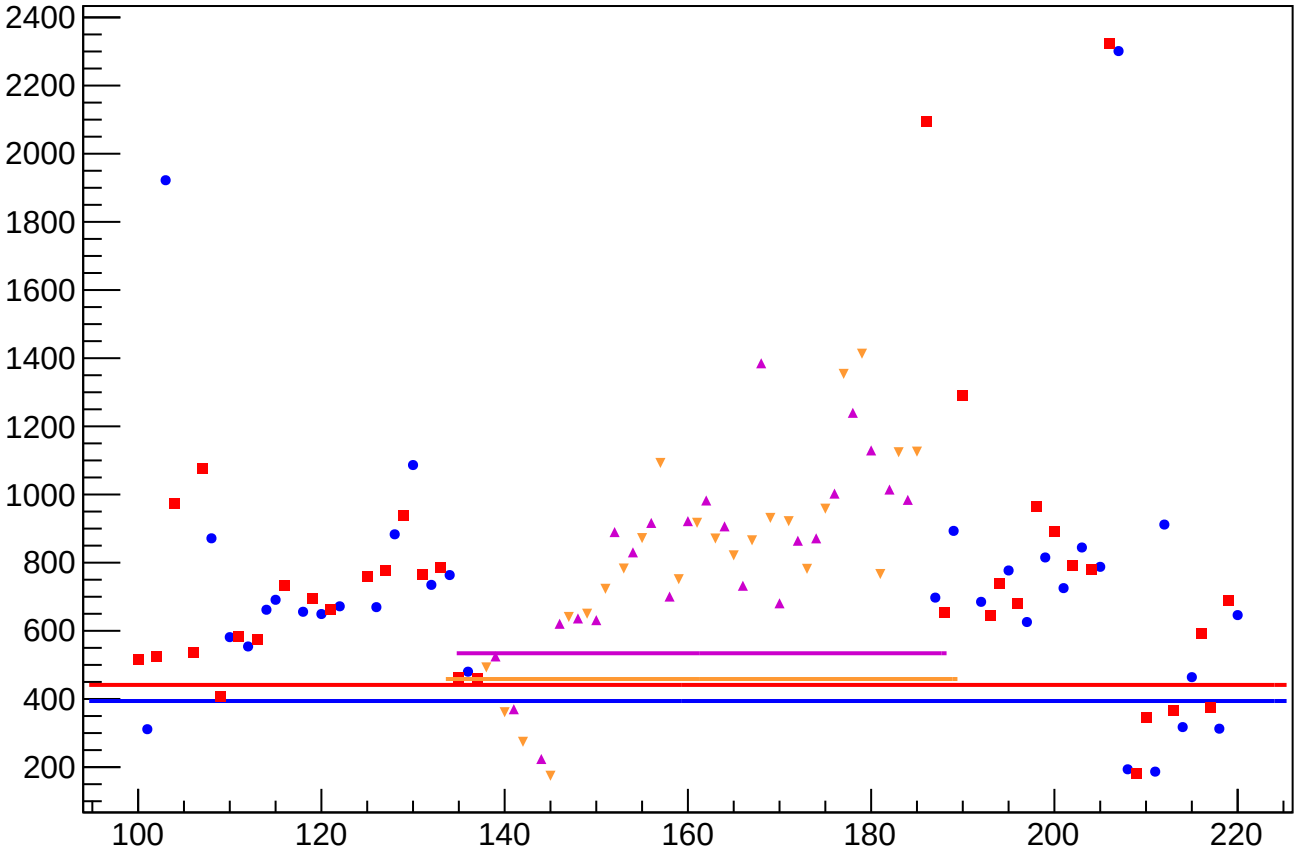
Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 197.172+/-81.683 χ^2/NDF: 57.5/56

All: 128.779+/-60.484 χ^2/NDF: 124.2/114

- sign 45.758+/-89.995 χ^2/NDF: 65.2/57

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 394.049+/-0.074 χ^2/NDF: 10843288.9/32

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

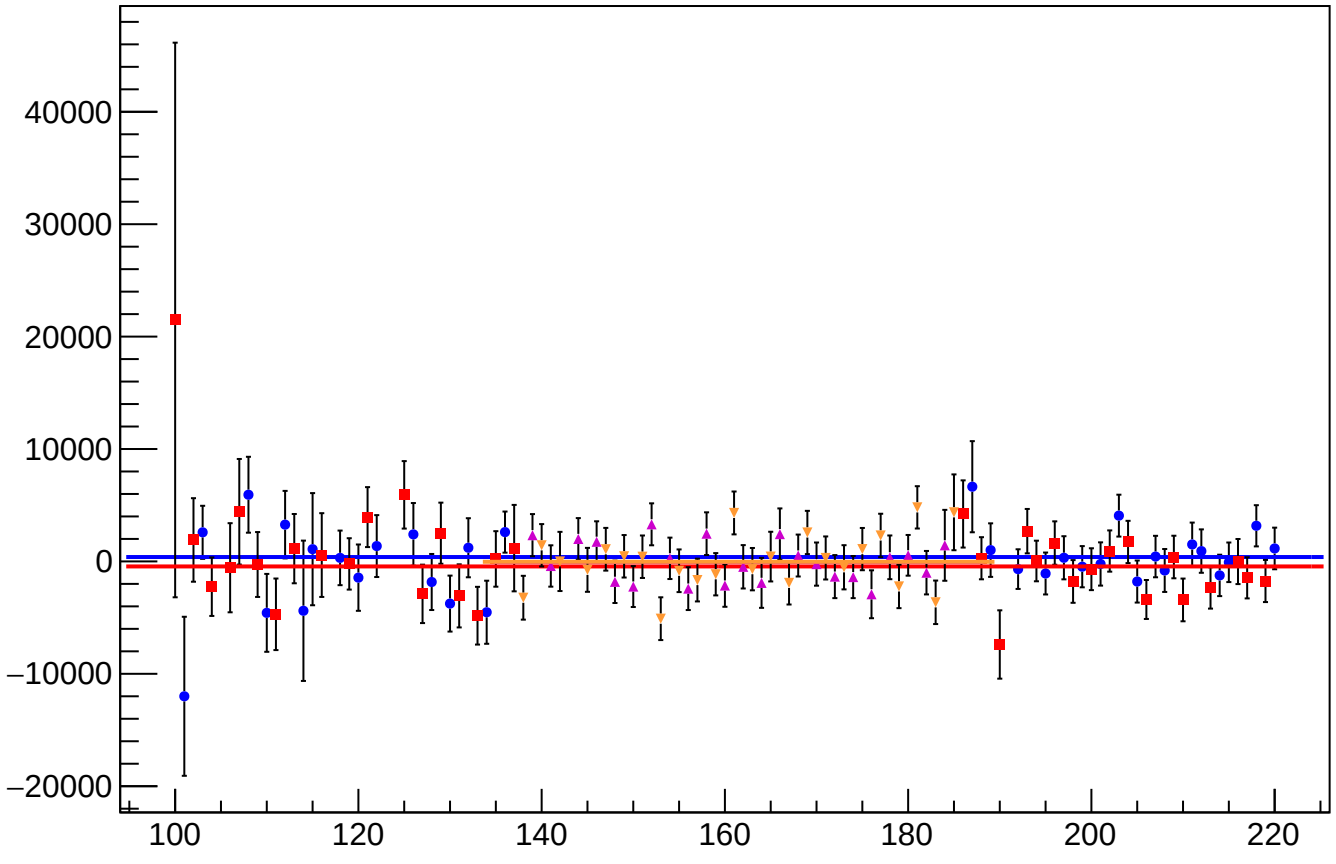
Right Out: 441.273+/-0.082 χ^2/NDF: 9911328.2/34

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 419.508+/-0.058 χ^2/NDF: 22567856.3/56

All: 445.885+/-0.043 χ^2/NDF: 41892660.7/11

- sign 477.904+/-0.064 χ^2/NDF: 18863091.3/57



Right In: 389.371+/-390.669 χ^2/NDF: 32.6/32

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -447.853+/-393.428 χ^2/NDF: 39.6/34

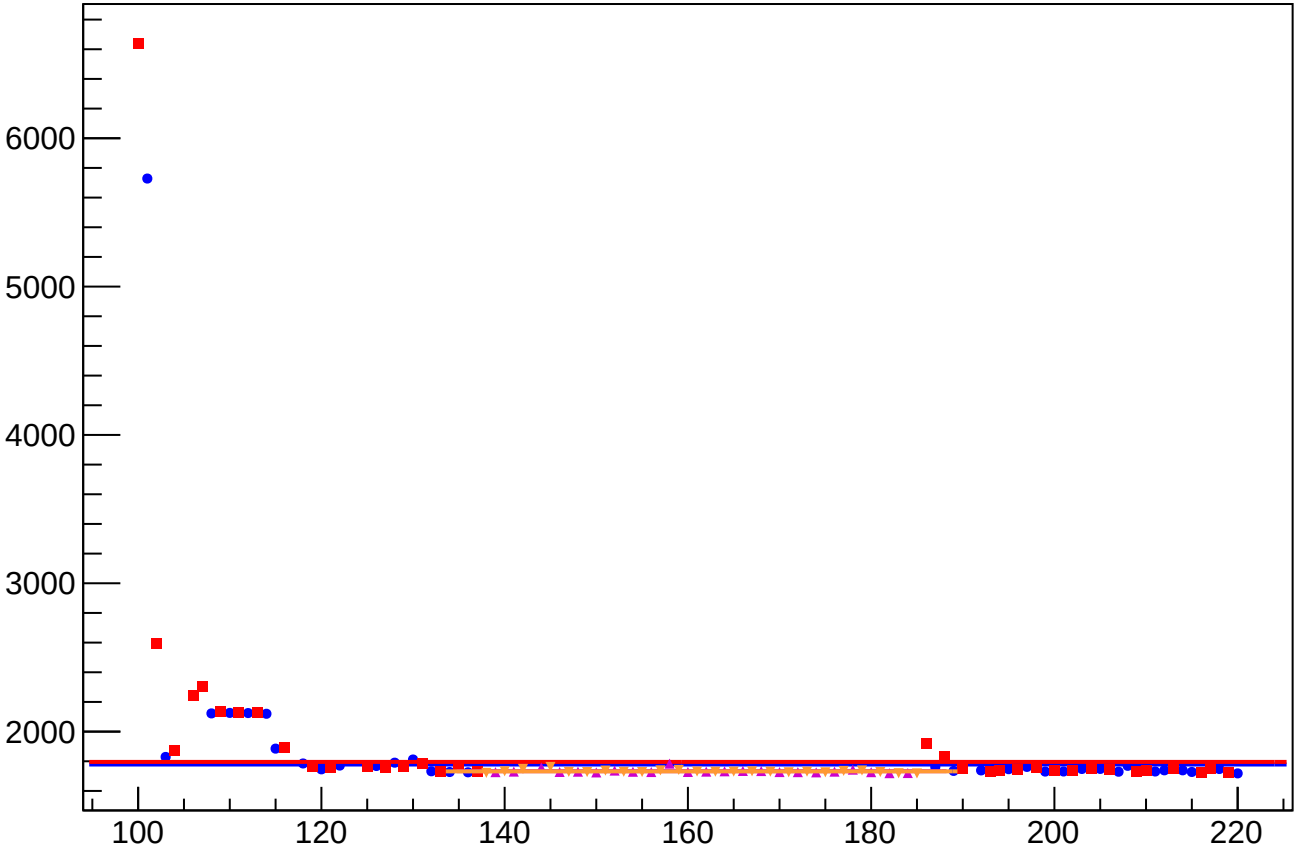
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

\+ sign 183.360+/-280.155 χ^2/NDF: 68.5/56

All: -34.735+/-198.783 χ^2/NDF: 129.3/114

\- sign -255.864+/-282.097 χ^2/NDF: 59.5/57

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1778.177+/-0.276 χ^2/NDF: 717347.1/32

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

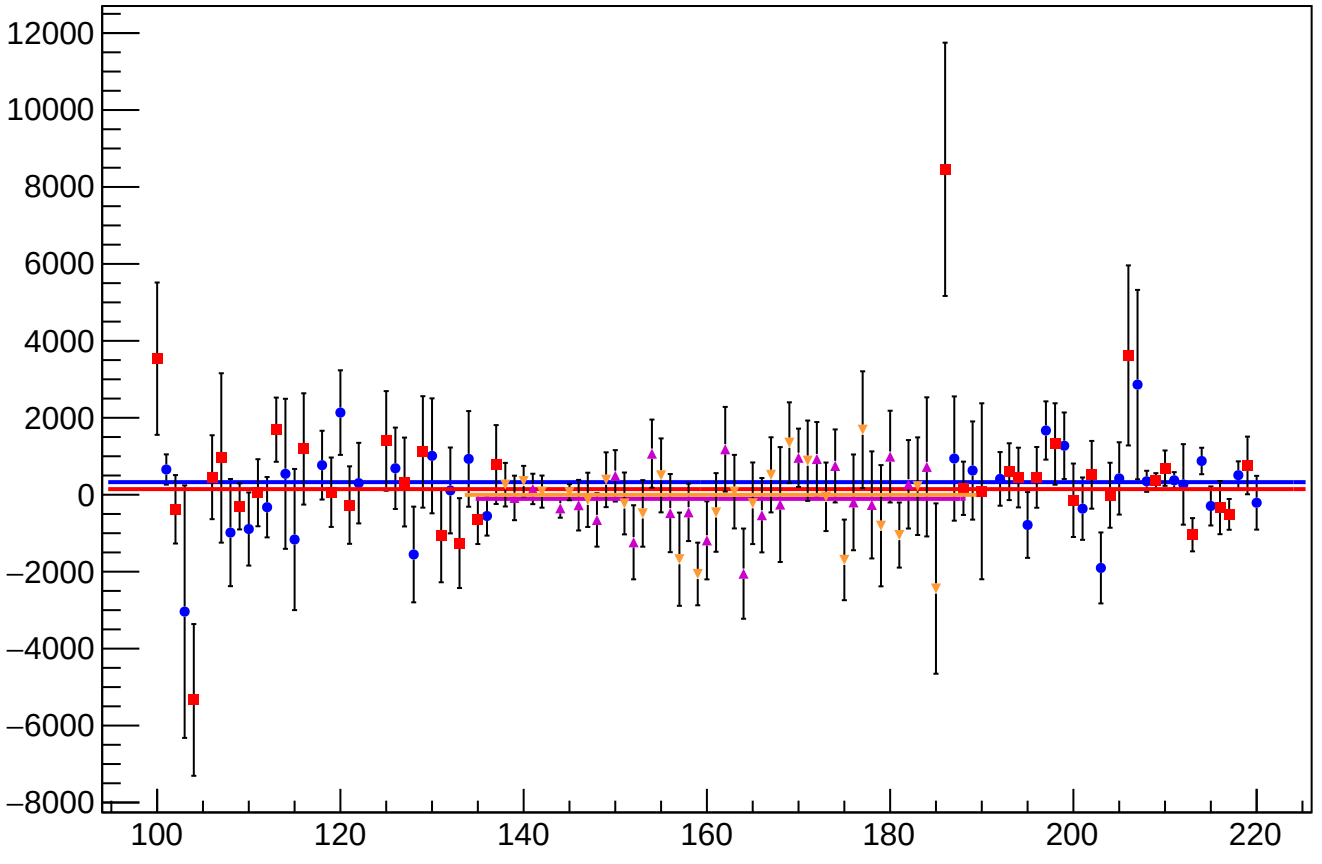
Right Out: 1795.732+/-0.278 χ^2/NDF: 328693.4/34

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1755.740+/-0.198 χ^2/NDF: 731866.1/56

All: 1760.539+/-0.141 χ^2/NDF: 1088430.7/11

- sign 1765.405+/-0.199 χ^2/NDF: 355382.5/57



Right In: 327.268+/-104.970 χ^2/NDF: 33.3/32

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

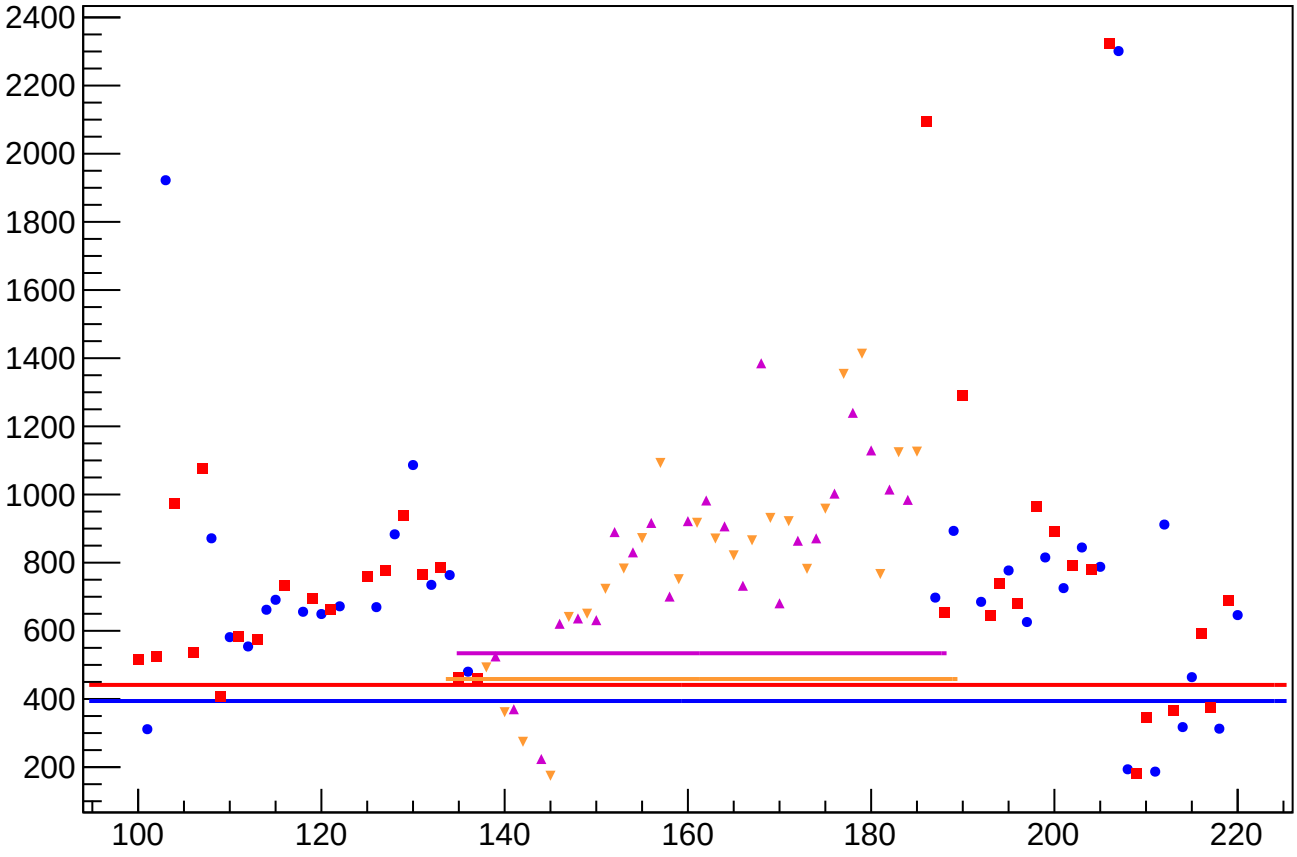
Right Out: 146.094+/-115.637 χ^2/NDF: 46.3/34

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 197.172+/-81.683 χ^2/NDF: 57.5/56

All: 128.779+/-60.484 χ^2/NDF: 124.2/114

- sign 45.758+/-89.995 χ^2/NDF: 65.2/57



Right In: 394.049+/-0.074 χ^2/NDF: 10843288.9/32

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 441.273+/-0.082 χ^2/NDF: 9911328.2/34

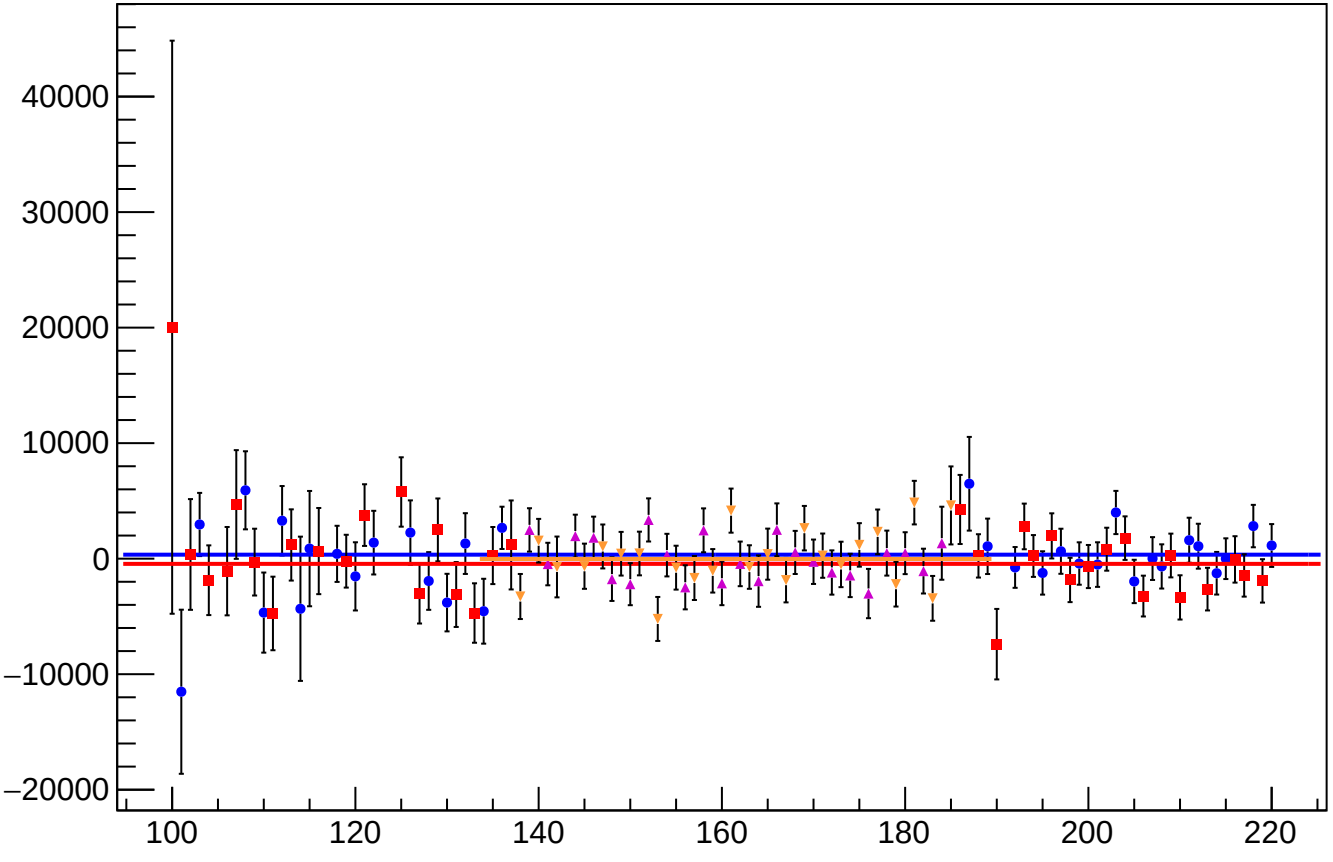
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 419.508+/-0.058 χ^2/NDF: 22567856.3/56

All: 445.885+/-0.043 χ^2/NDF: 41892660.7/11

- sign 477.904+/-0.064 χ^2/NDF: 18863091.3/57

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 345.584+/-393.160 χ^2/NDF: 32.3/32

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -450.490+/-396.868 χ^2/NDF: 39.0/34

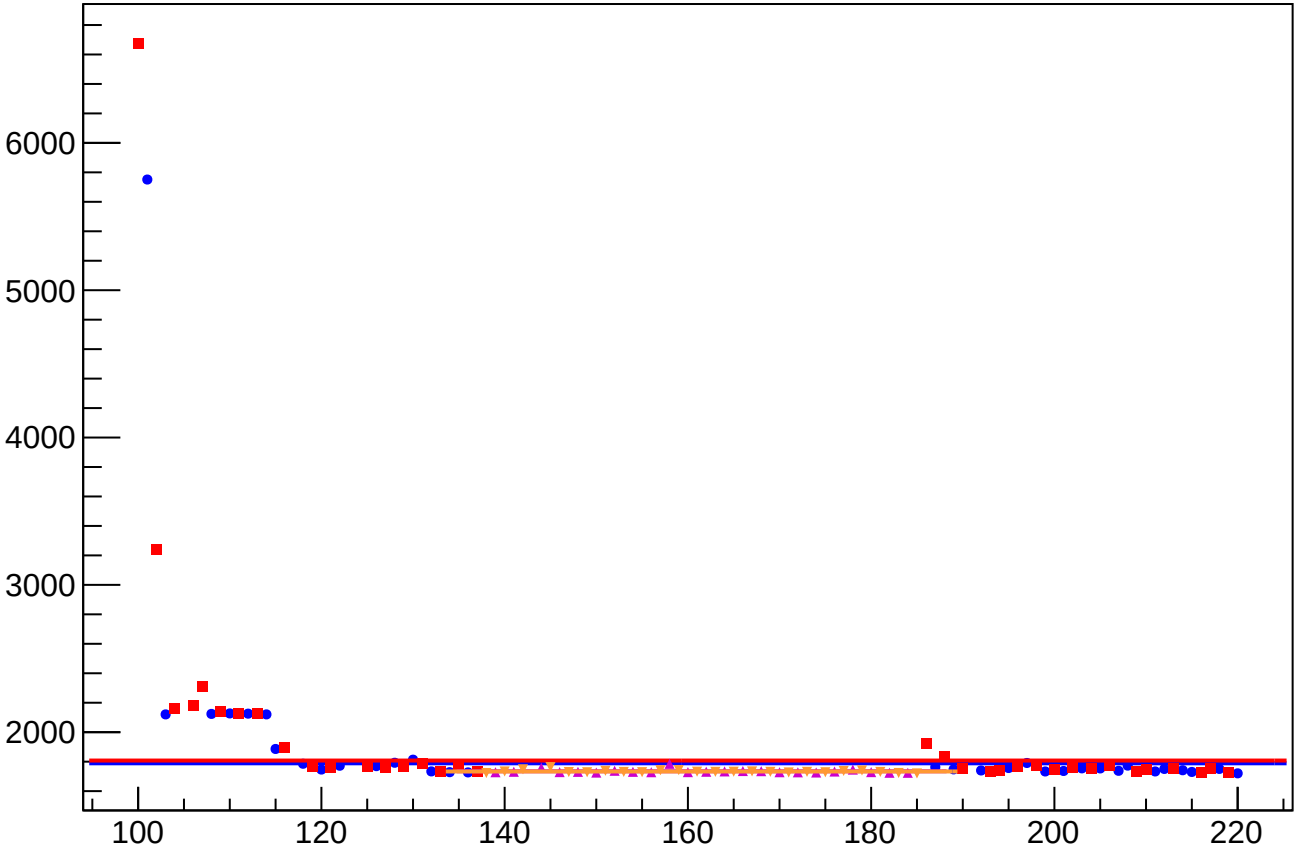
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 162.414+/-281.188 χ^2/NDF: 68.2/56

All: -42.439+/-199.634 χ^2/NDF: 128.7/114

- sign -250.641+/-283.477 χ^2/NDF: 59.4/57

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1788.862+/-0.278 χ^2/NDF: 745517.8/32

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

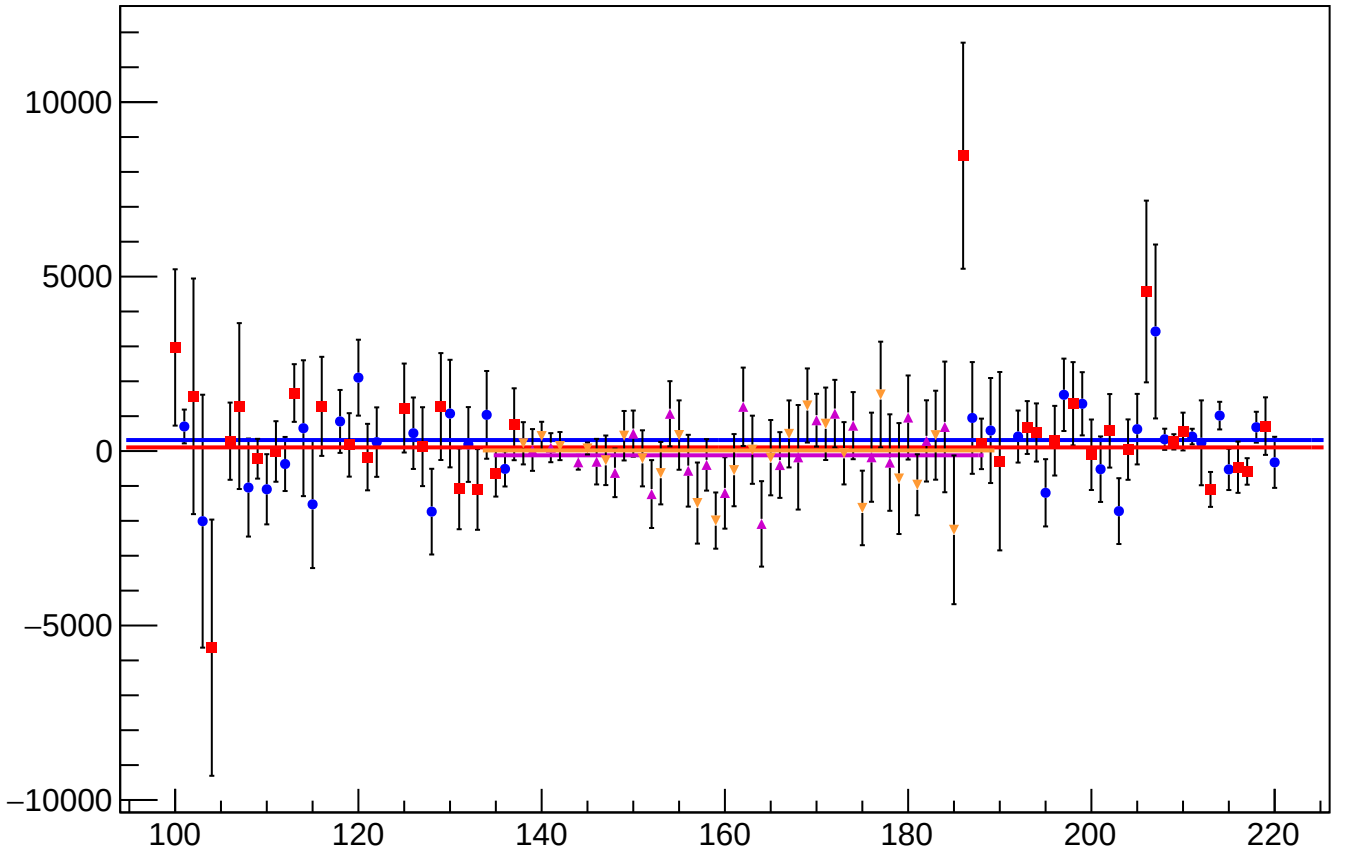
Right Out: 1807.579+/-0.281 χ^2/NDF: 432011.6/34

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1761.808+/-0.199 χ^2/NDF: 765806.4/56

All: 1766.831+/-0.141 χ^2/NDF: 1234214.9/11

- sign 1771.937+/-0.200 χ^2/NDF: 467121.4/57



Right In: 315.738+/-114.962 χ^2/NDF: 34.4/32

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

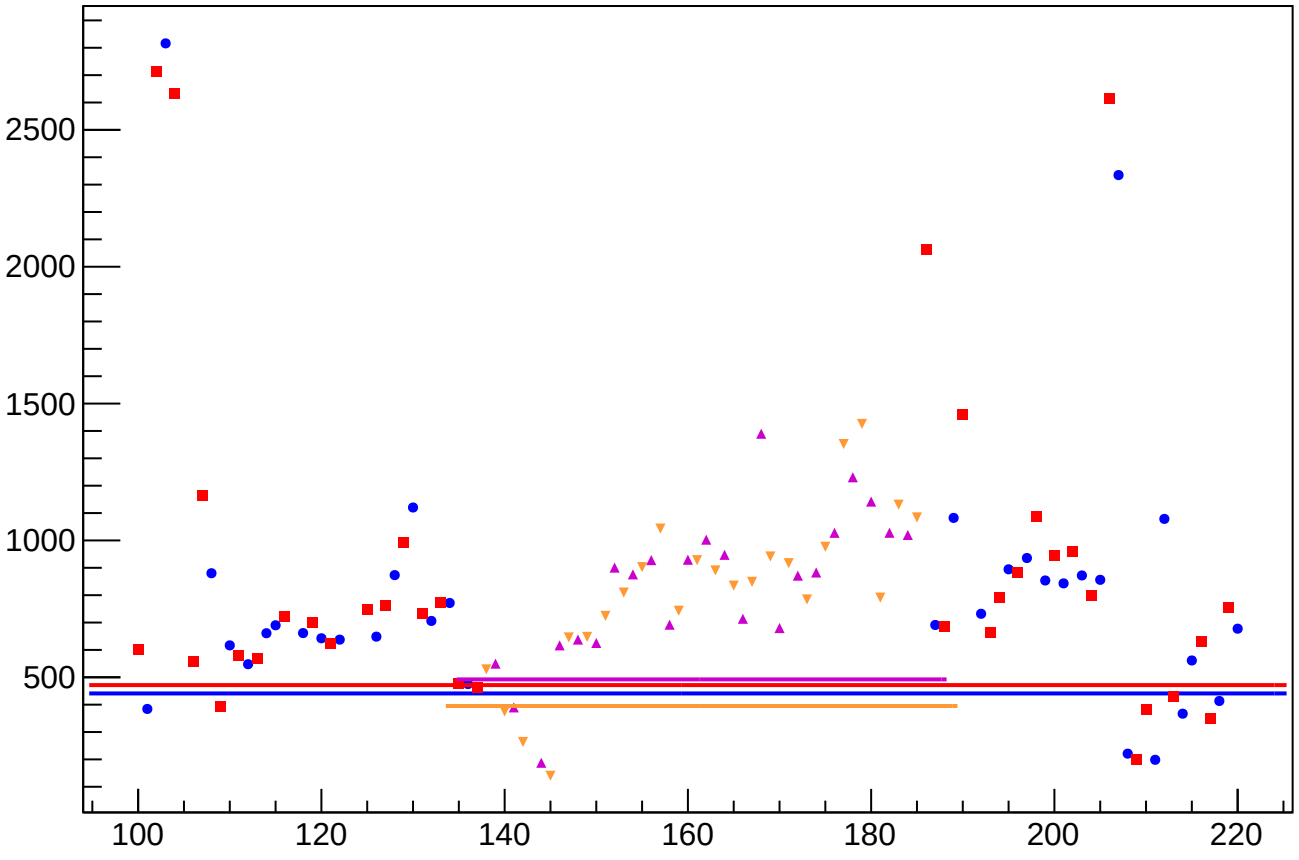
Right Out: 105.303+/-123.651 χ^2/NDF: 37.7/34

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

+ sign 172.435+/-82.792 χ^2/NDF: 57.1/56

All: 96.702+/-61.493 χ^2/NDF: 114.6/114

- sign 3.517+/-91.837 χ^2/NDF: 55.7/57



Right In: 440.988+/-0.081 χ^2/NDF: 11128891.3/32

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

Right Out: 471.483+/-0.087 χ^2/NDF: 11220404.0/34

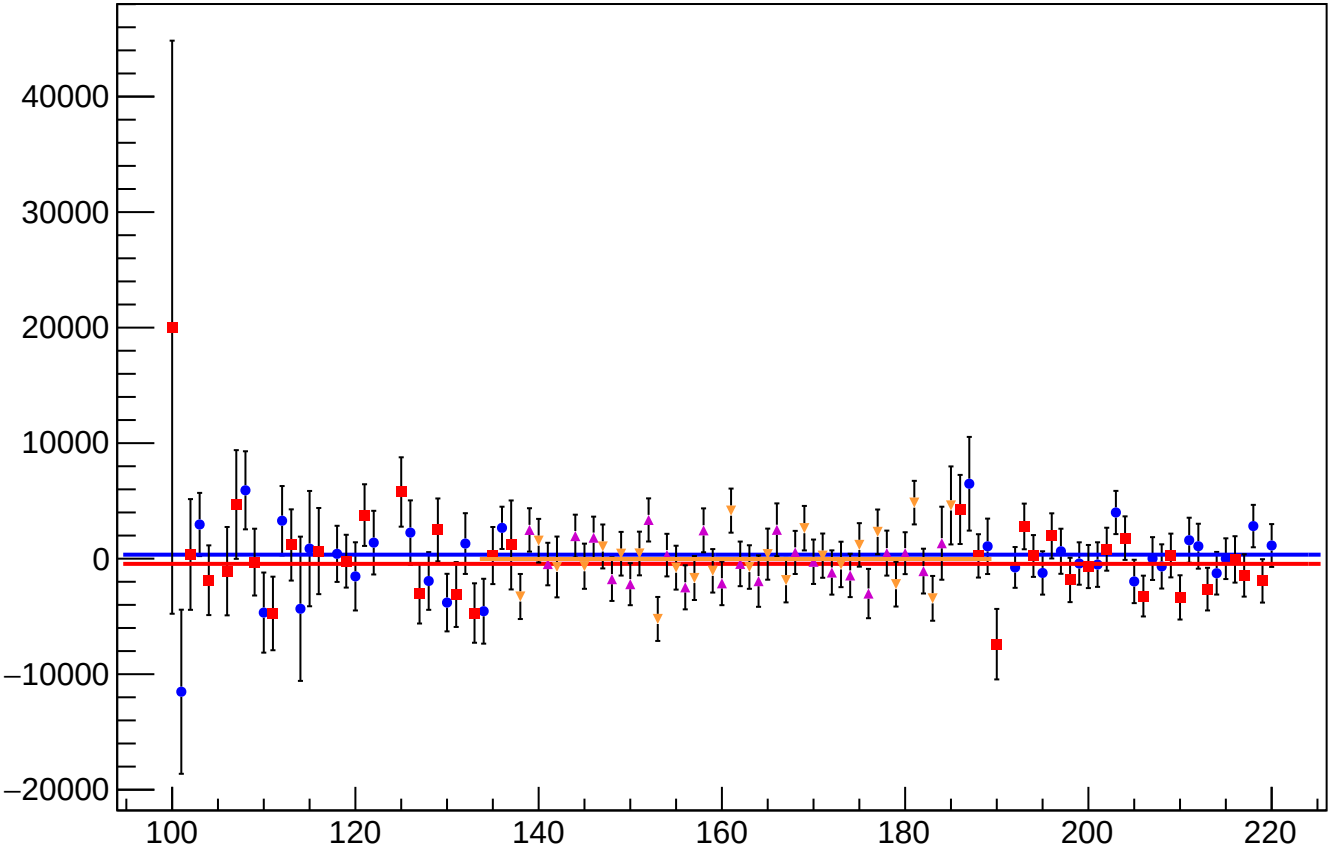
Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

+ sign 418.943+/-0.059 χ^2/NDF: 25616110.3/56

All: 446.682+/-0.043 χ^2/NDF: 47782194.4/11

- sign 480.814+/-0.065 χ^2/NDF: 21665306.1/57

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 345.584+/-393.160 χ^2/NDF: 32.3/32

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -450.494+/-396.868 χ^2/NDF: 39.0/34

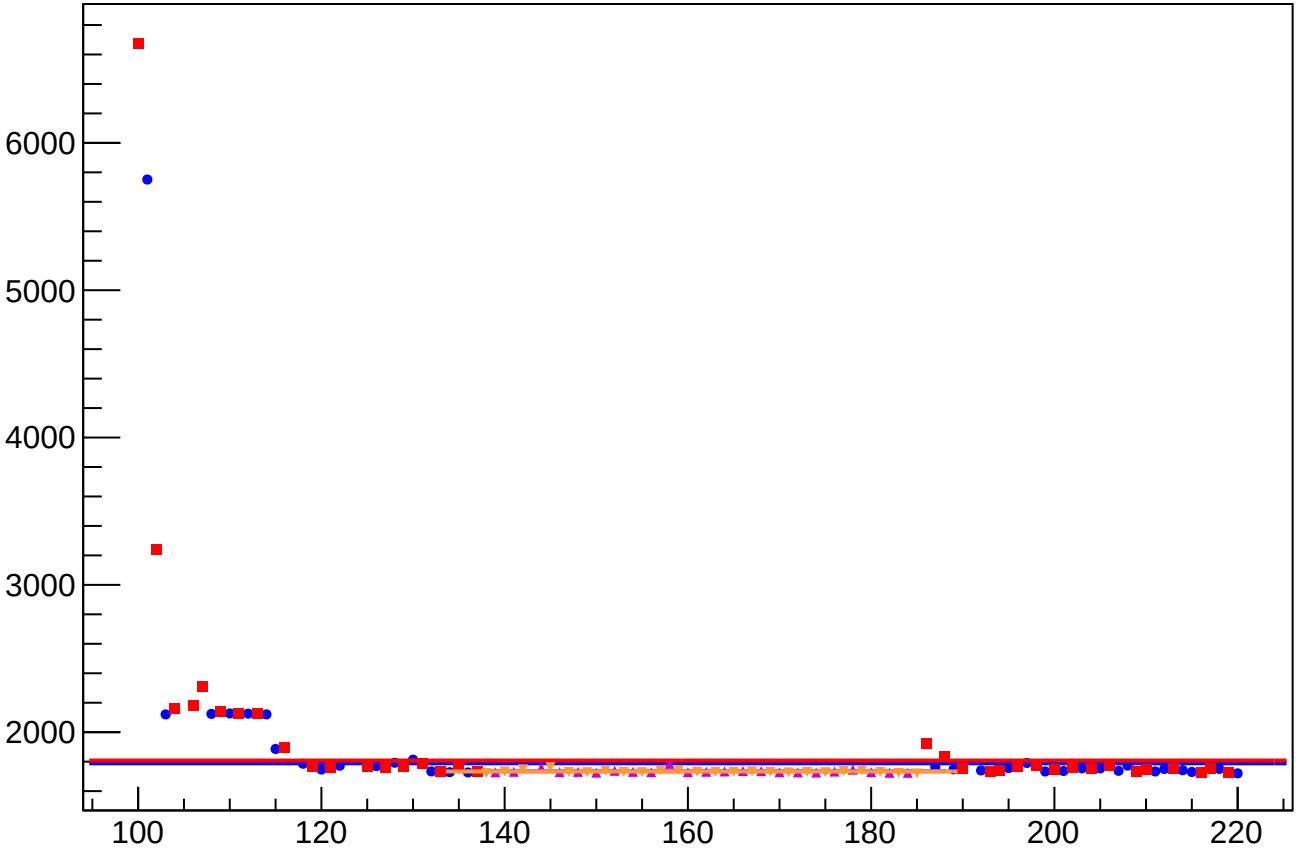
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 162.413+/-281.188 χ^2/NDF: 68.2/56

All: -42.441+/-199.634 χ^2/NDF: 128.7/114

- sign -250.643+/-283.477 χ^2/NDF: 59.4/57

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1788.862+/-0.278 χ^2/NDF: 745517.4/32

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

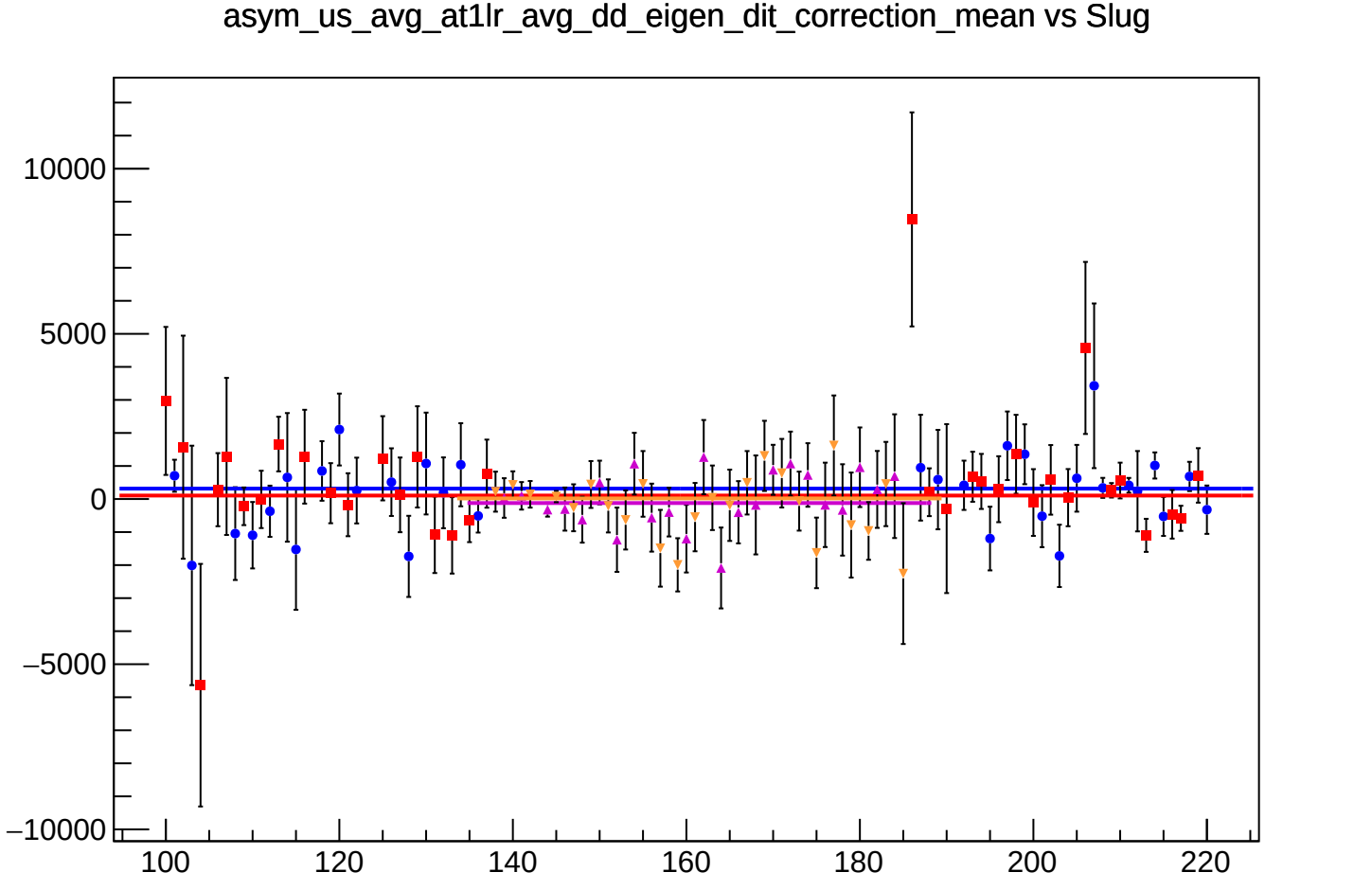
Right Out: 1807.579+/-0.281 χ^2/NDF: 432010.7/34

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1761.808+/-0.199 χ^2/NDF: 765806.0/56

All: 1766.831+/-0.141 χ^2/NDF: 1234213.6/11

- sign 1771.937+/-0.200 χ^2/NDF: 467120.6/57



Right In: 315.737+/-114.962 χ^2/NDF: 34.4/32

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

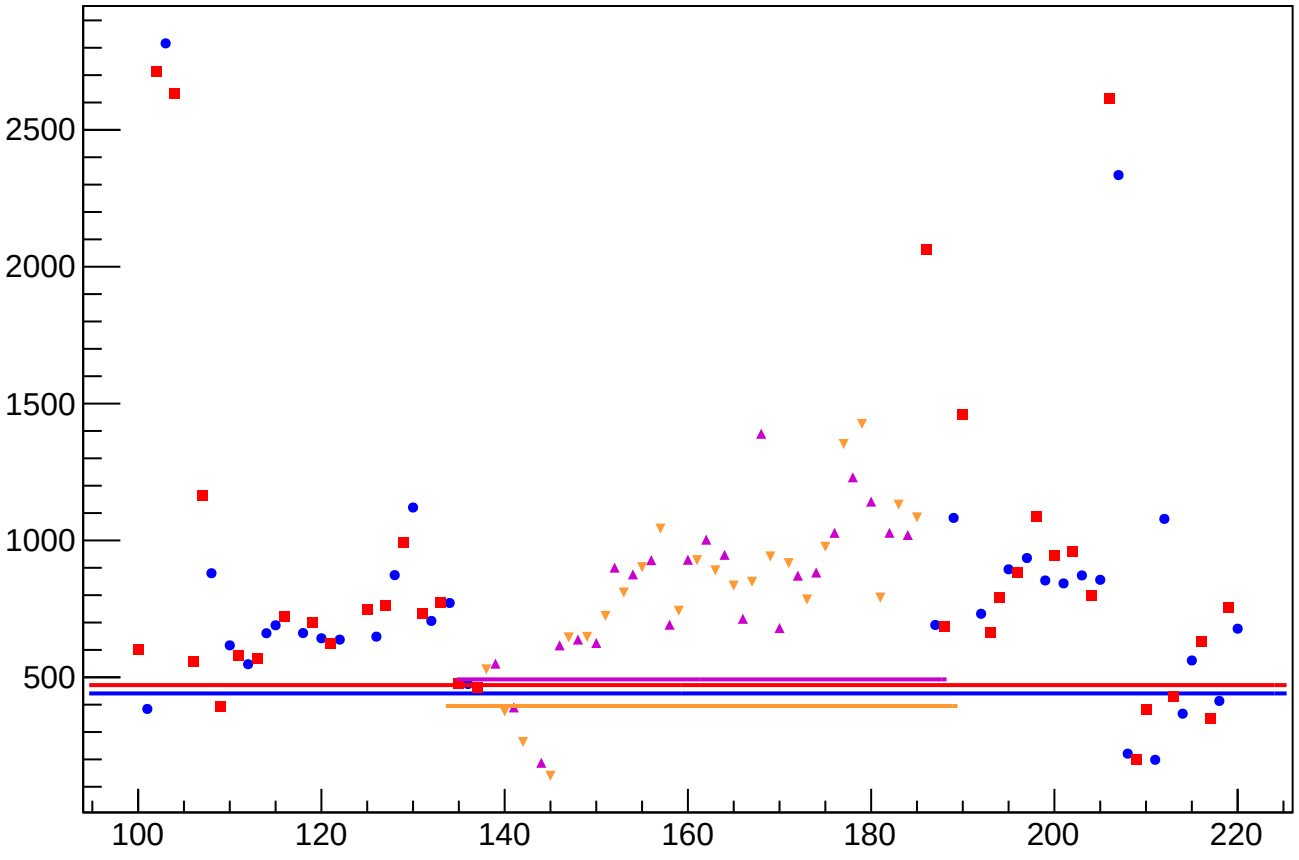
Right Out: 105.300+/-123.650 χ^2/NDF: 37.7/34

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

\+ sign 172.434+/-82.793 χ^2/NDF: 57.1/56

All: 96.700+/-61.493 χ^2/NDF: 114.6/114

\- sign 3.516+/-91.837 χ^2/NDF: 55.7/57



Right In: 440.990+/-0.081 χ^2/NDF: 11128817.6/32

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 471.479+/-0.087 χ^2/NDF: 11220492.8/34

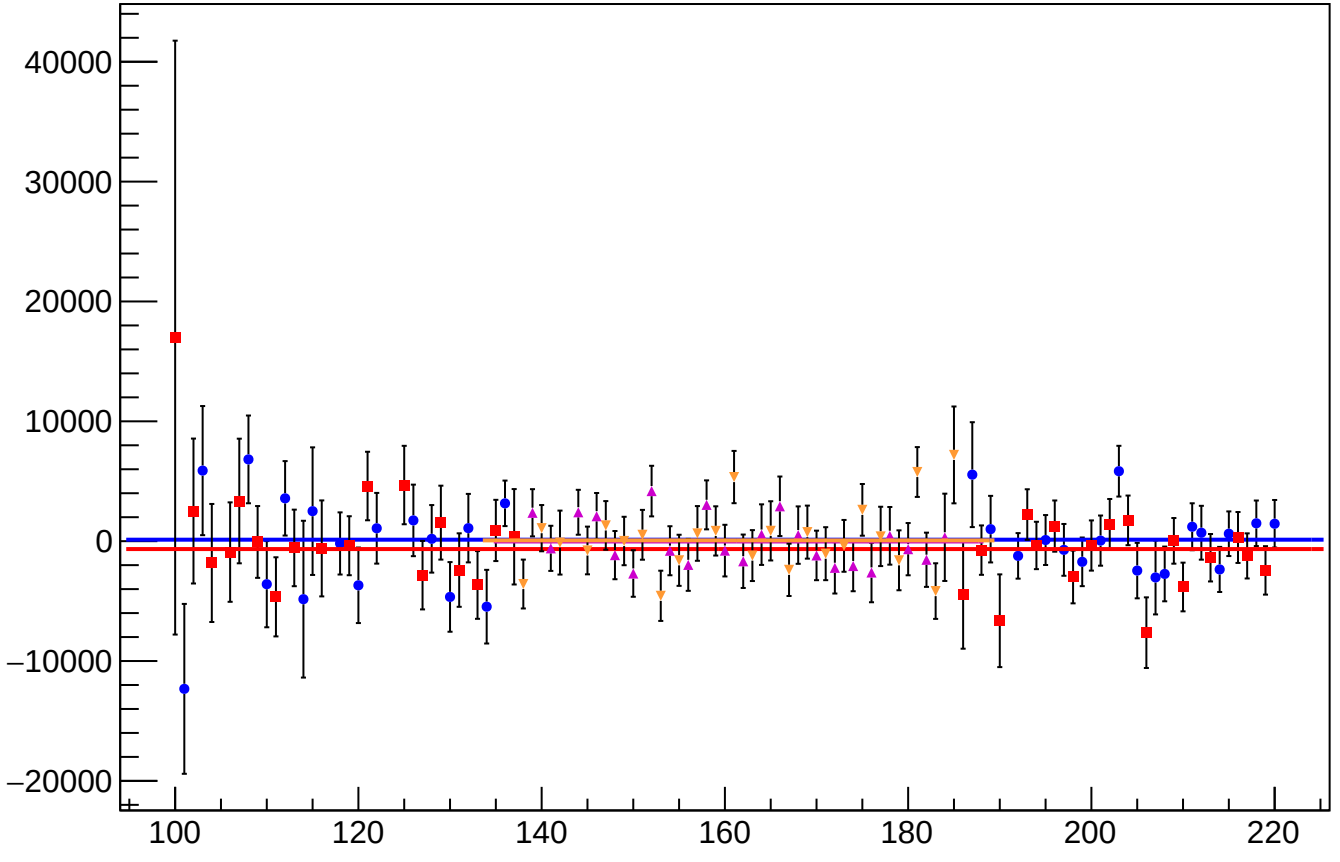
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 418.943+/-0.059 χ^2/NDF: 25616087.7/56

All: 446.682+/-0.043 χ^2/NDF: 47782260.6/11

- sign 480.813+/-0.065 χ^2/NDF: 21665429.3/57

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 123.487+/-436.932 χ^2/NDF: 38.6/32

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -658.238+/-439.990 χ^2/NDF: 30.6/34

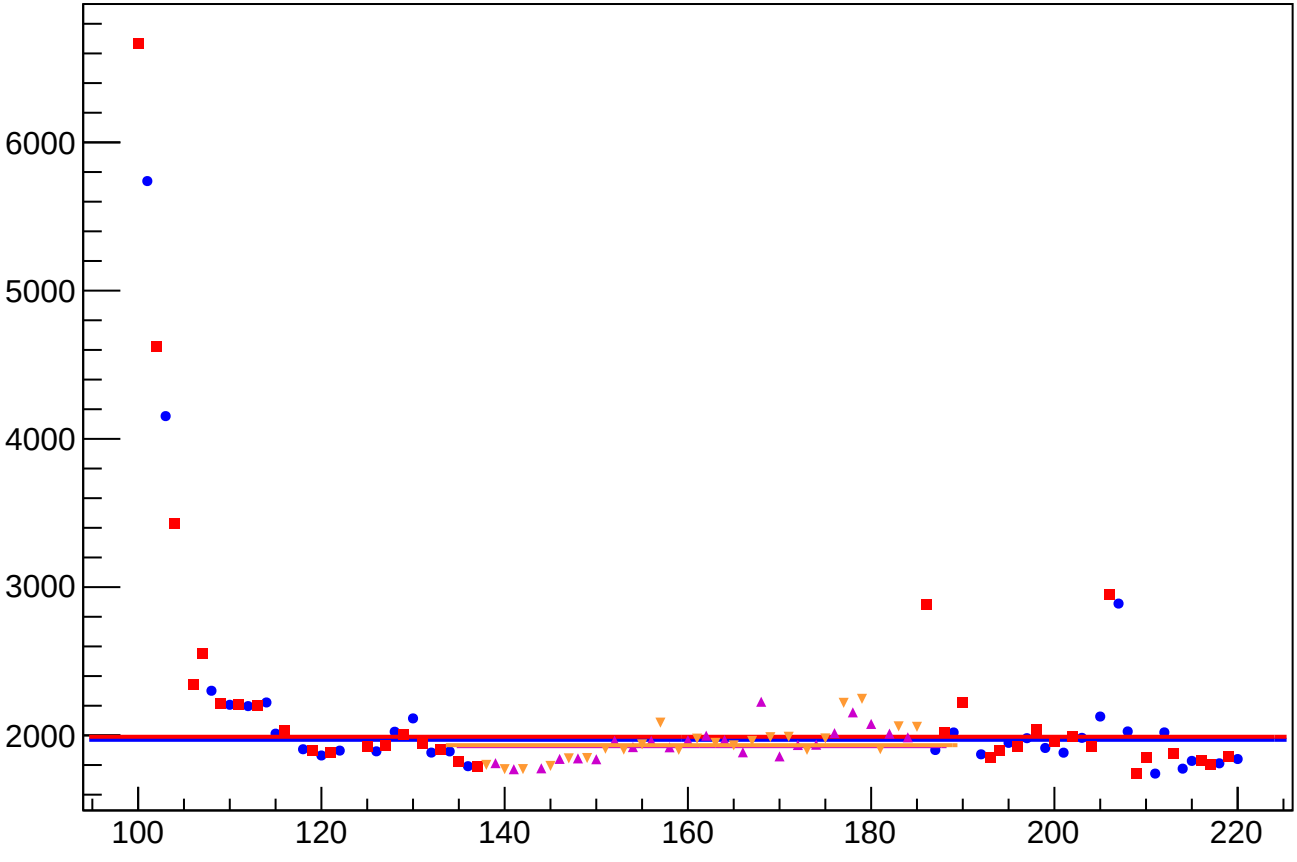
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 95.895+/-313.391 χ^2/NDF: 72.2/56

All: -125.789+/-222.117 χ^2/NDF: 124.8/114

- sign -349.551+/-314.857 χ^2/NDF: 51.6/57

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1970.077+/-0.309 χ^2/NDF: 1248590.5/32

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

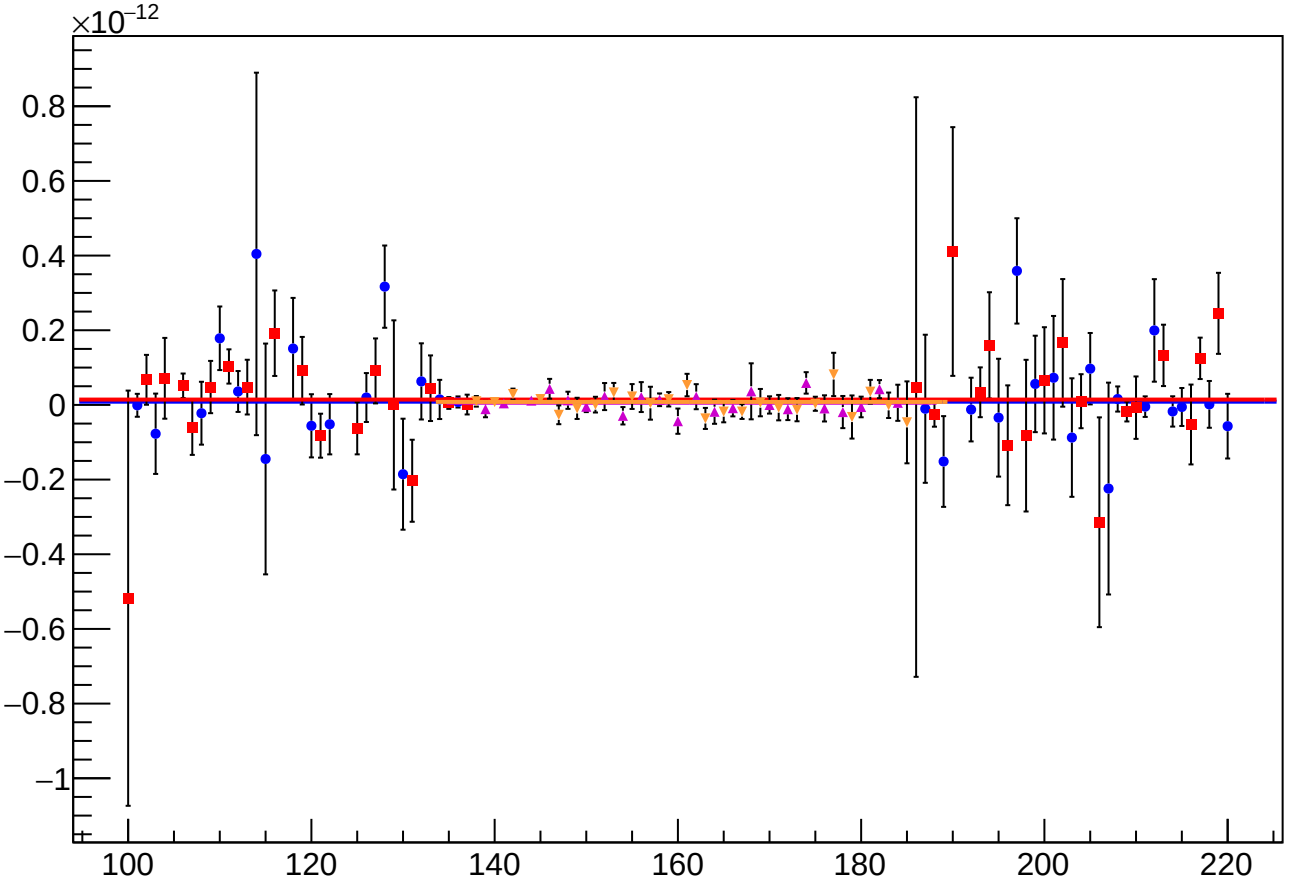
Right Out: 1990.632+/-0.311 χ^2/NDF: 1119251.0/34

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1952.465+/-0.222 χ^2/NDF: 1383814.9/56

All: 1956.039+/-0.157 χ^2/NDF: 2640354.6/11

- sign 1959.646+/-0.223 χ^2/NDF: 1256017.1/57



Right In: 0.000+/-0.000 χ^2/NDF: 31.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

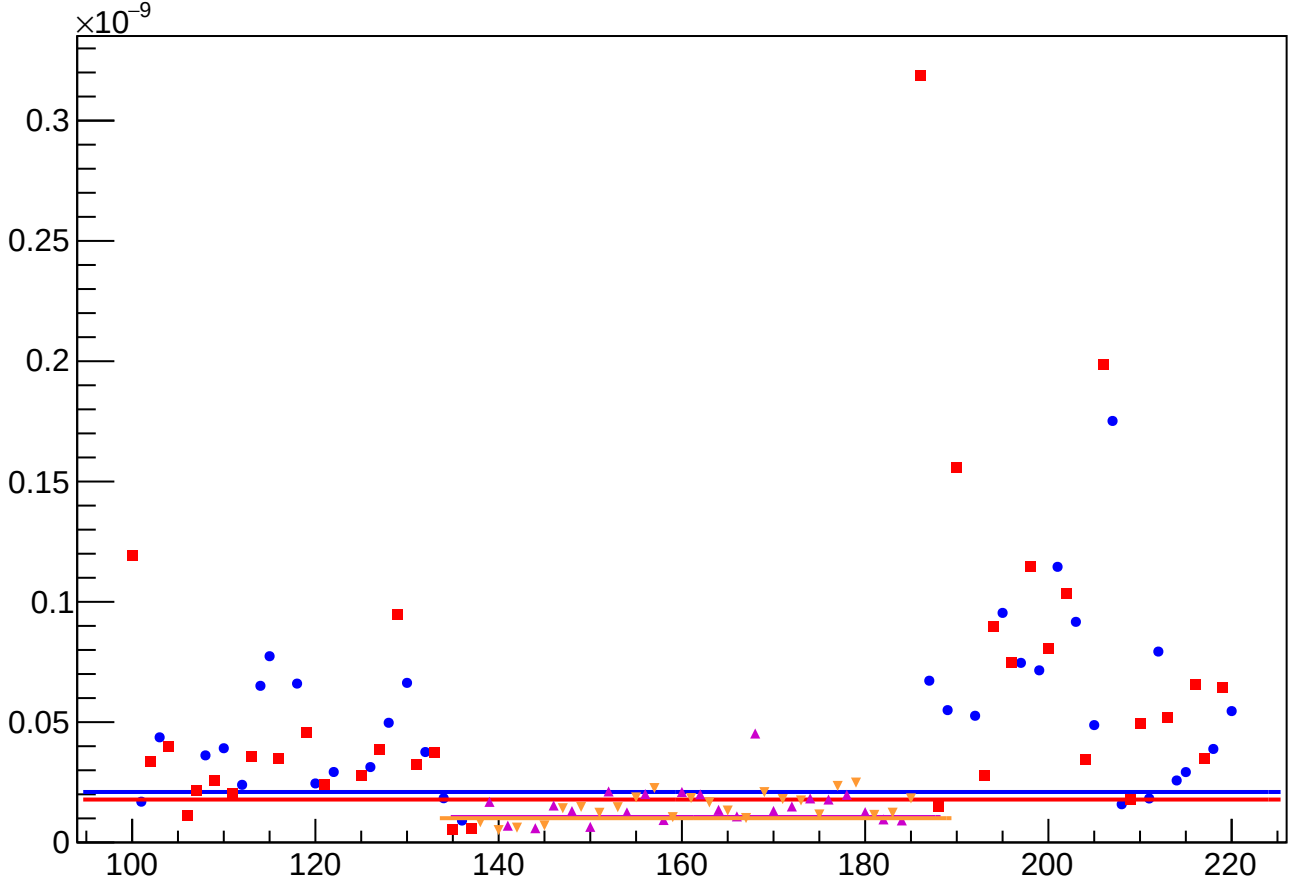
Right Out: 0.000+/-0.000 χ^2/NDF: 40.5/34

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.0/56

All: 0.000+/-0.000 χ^2/NDF: 106.9/114

- sign 0.000+/-0.000 χ^2/NDF: 57.9/57



Right In: 0.000+/-0.000 χ^2/NDF: 6668902.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

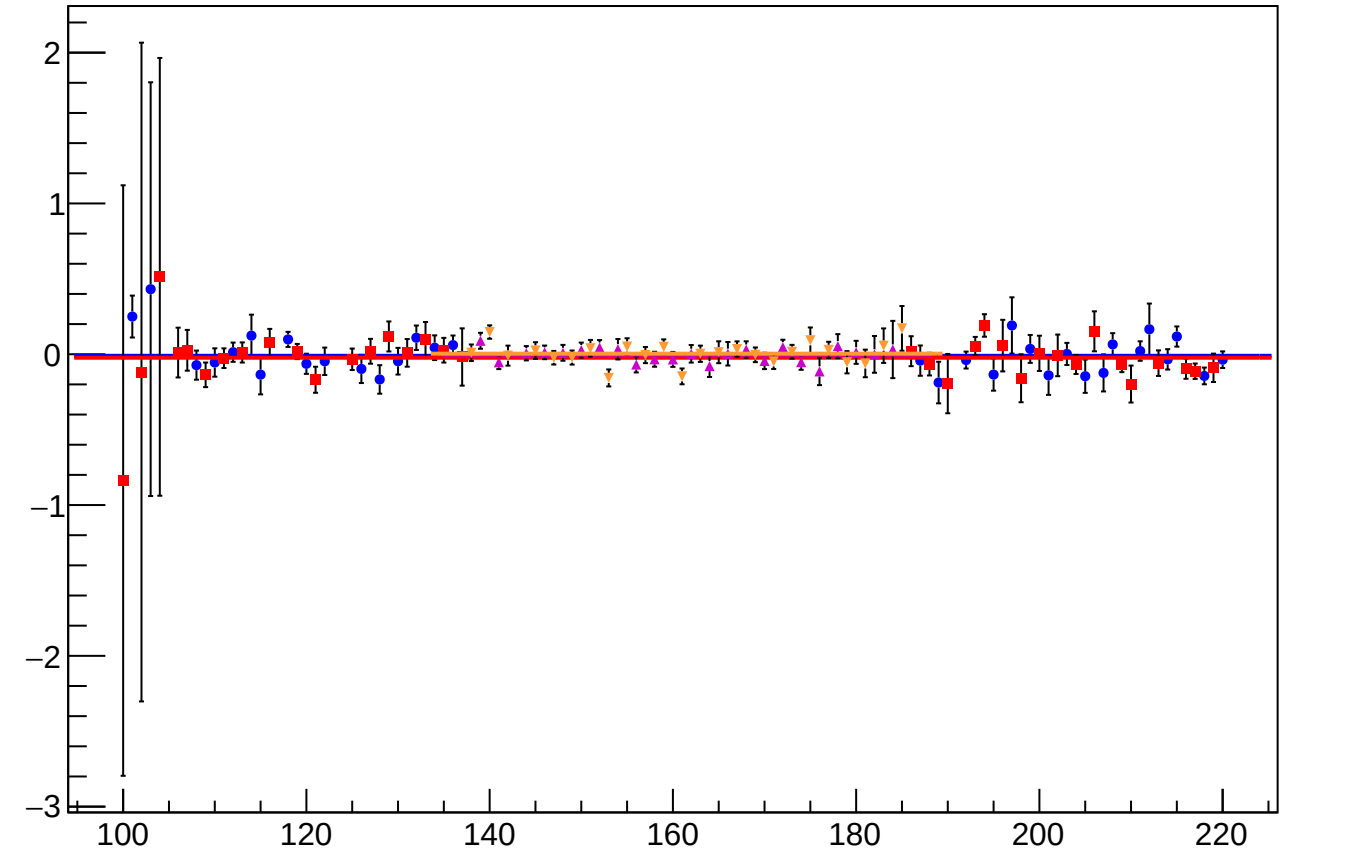
Right Out: 0.000+/-0.000 χ^2/NDF: 8269424.5/34

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 11205337.7/56

All: 0.000+/-0.000 χ^2/NDF: 23103981.3/114

- sign 0.000+/-0.000 χ^2/NDF: 11898643.4/57



Right In: -0.010+/-0.014 χ^2/NDF: 39.6/32

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

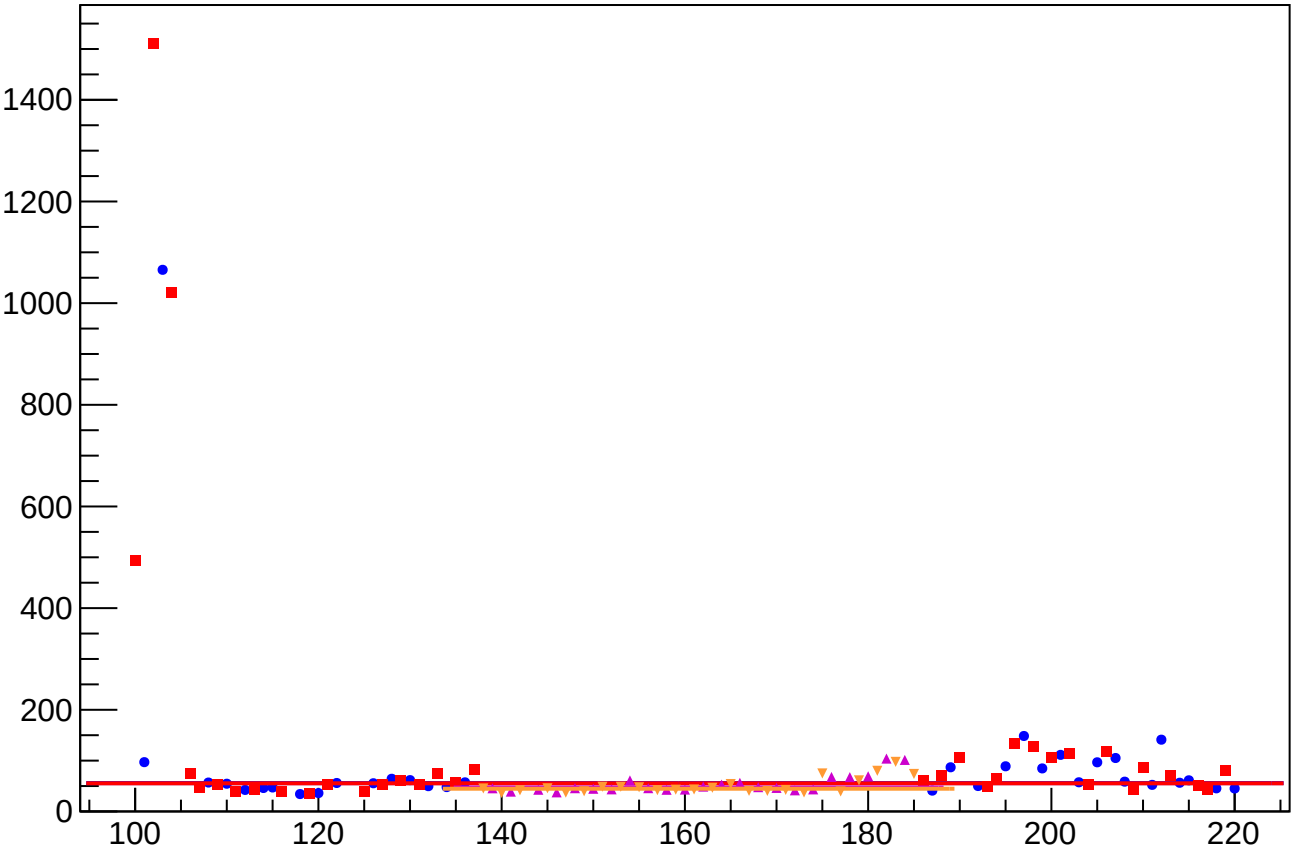
Right Out: -0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign -0.002+/-0.009 χ^2/NDF: 75.3/56

All: -0.006+/-0.006 χ^2/NDF: 124.9/114

- sign -0.011+/-0.009 χ^2/NDF: 49.1/57



Right In: 55.778+/-0.010 χ^2/NDF: 4644239.1/32

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

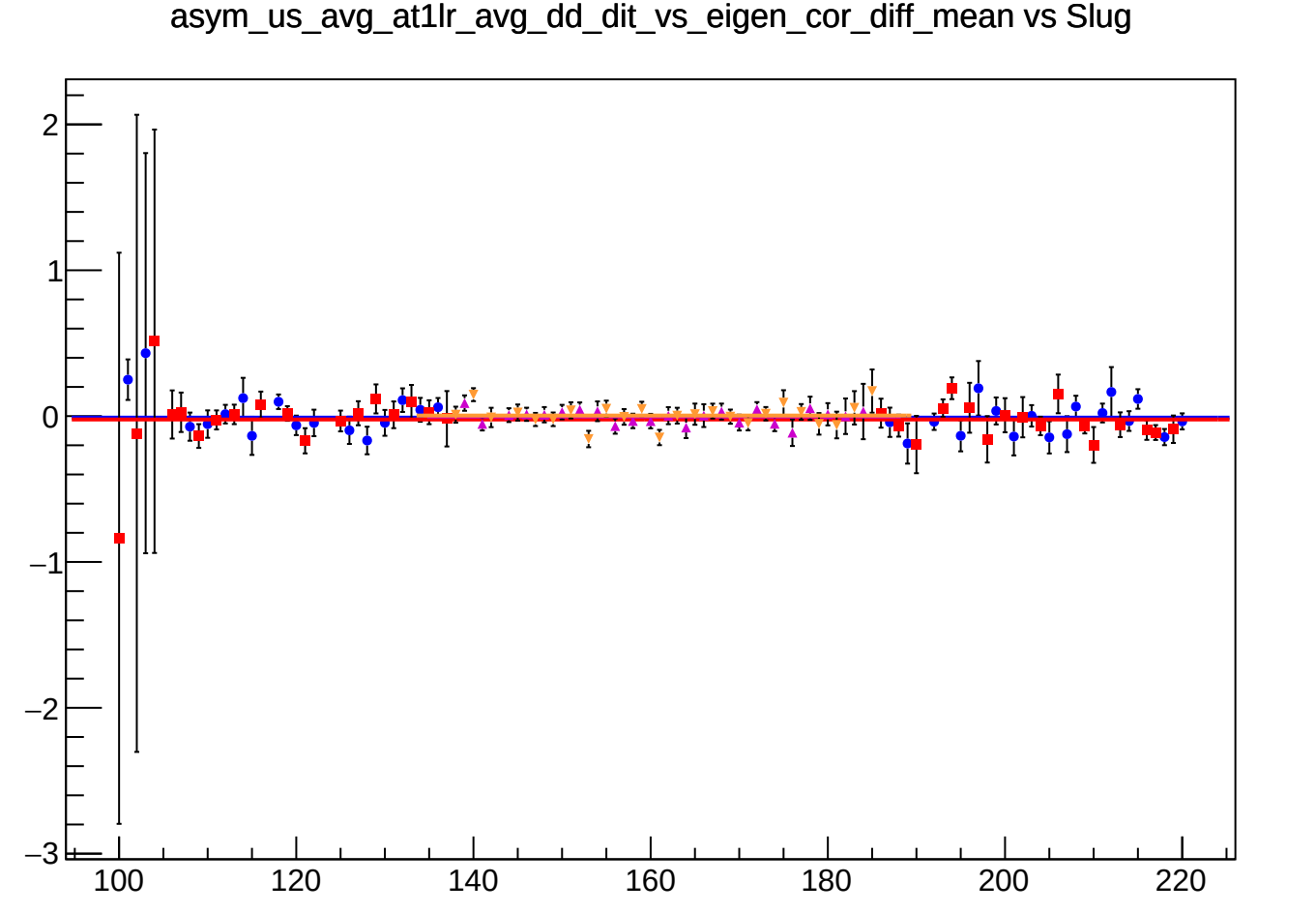
Right Out: 55.362+/-0.010 χ^2/NDF: 5534164.7/34

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 49.091+/-0.006 χ^2/NDF: 6852887.8/56

All: 49.725+/-0.005 χ^2/NDF: 14183780.8/114

- sign 50.397+/-0.007 χ^2/NDF: 7310256.8/57



Right In: -0.010+/-0.014 χ^2/NDF: 39.6/32

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

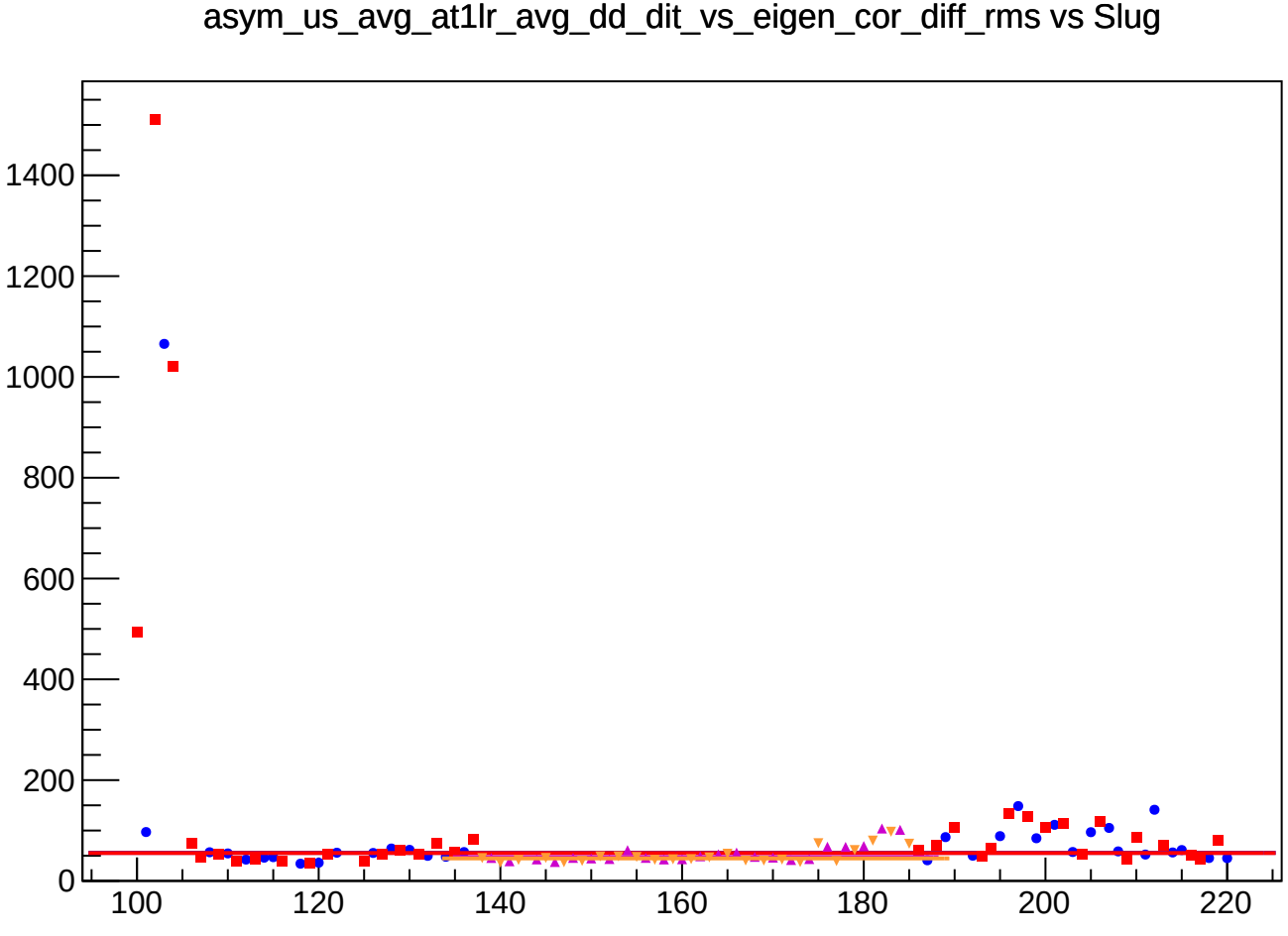
Right Out: -0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign -0.002+/-0.009 χ^2/NDF: 75.3/56

All: -0.006+/-0.006 χ^2/NDF: 124.9/114

- sign -0.011+/-0.009 χ^2/NDF: 49.1/57



Right In: 55.778+/-0.010 χ^2/NDF: 4644239.1/32

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

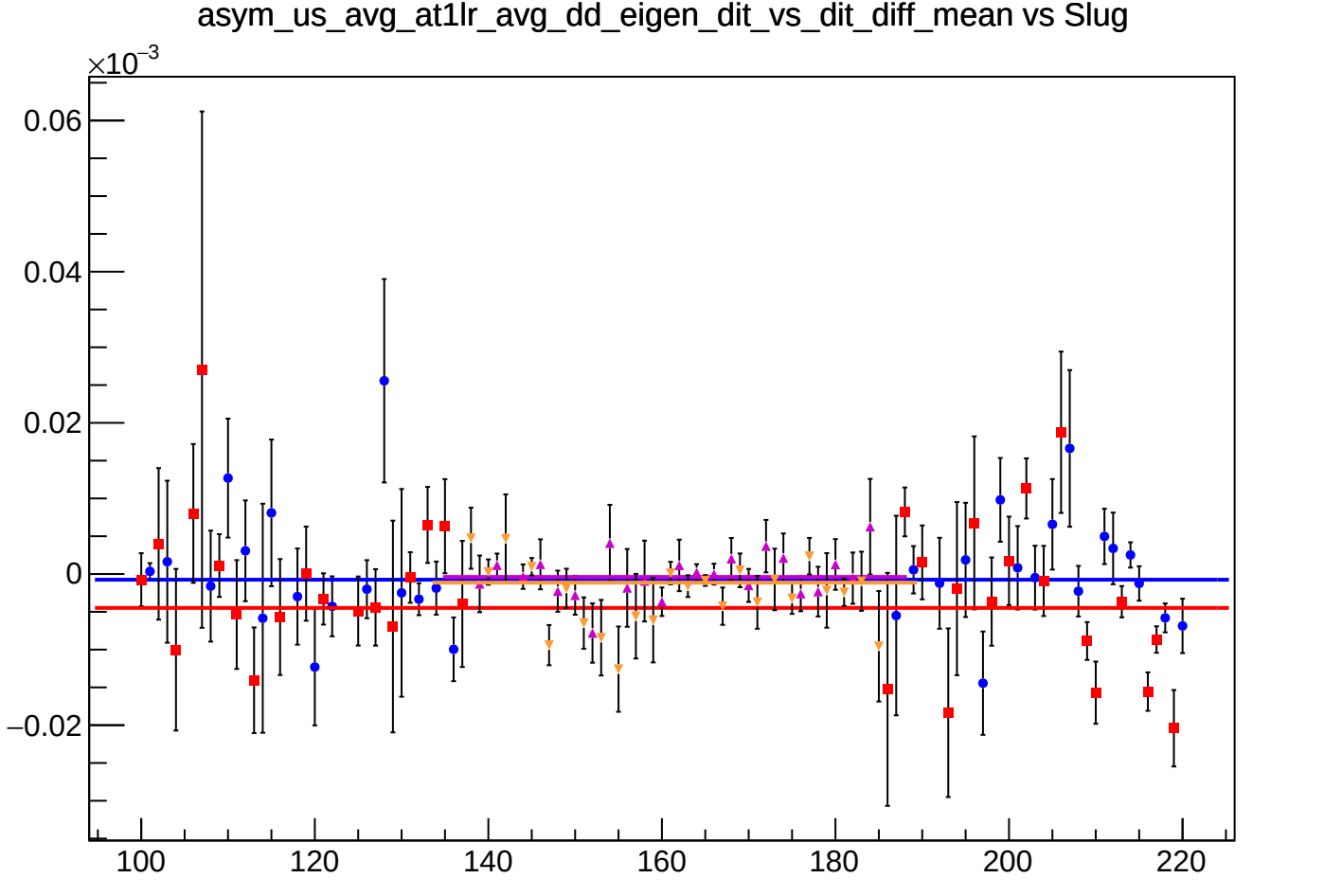
Right Out: 55.362+/-0.010 χ^2/NDF: 5534164.7/34

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 49.091+/-0.006 χ^2/NDF: 6852887.8/56

All: 49.725+/-0.005 χ^2/NDF: 14183780.8/114

- sign 50.397+/-0.007 χ^2/NDF: 7310256.8/57



Right In: -0.000+/-0.000 χ^2/NDF: 48.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

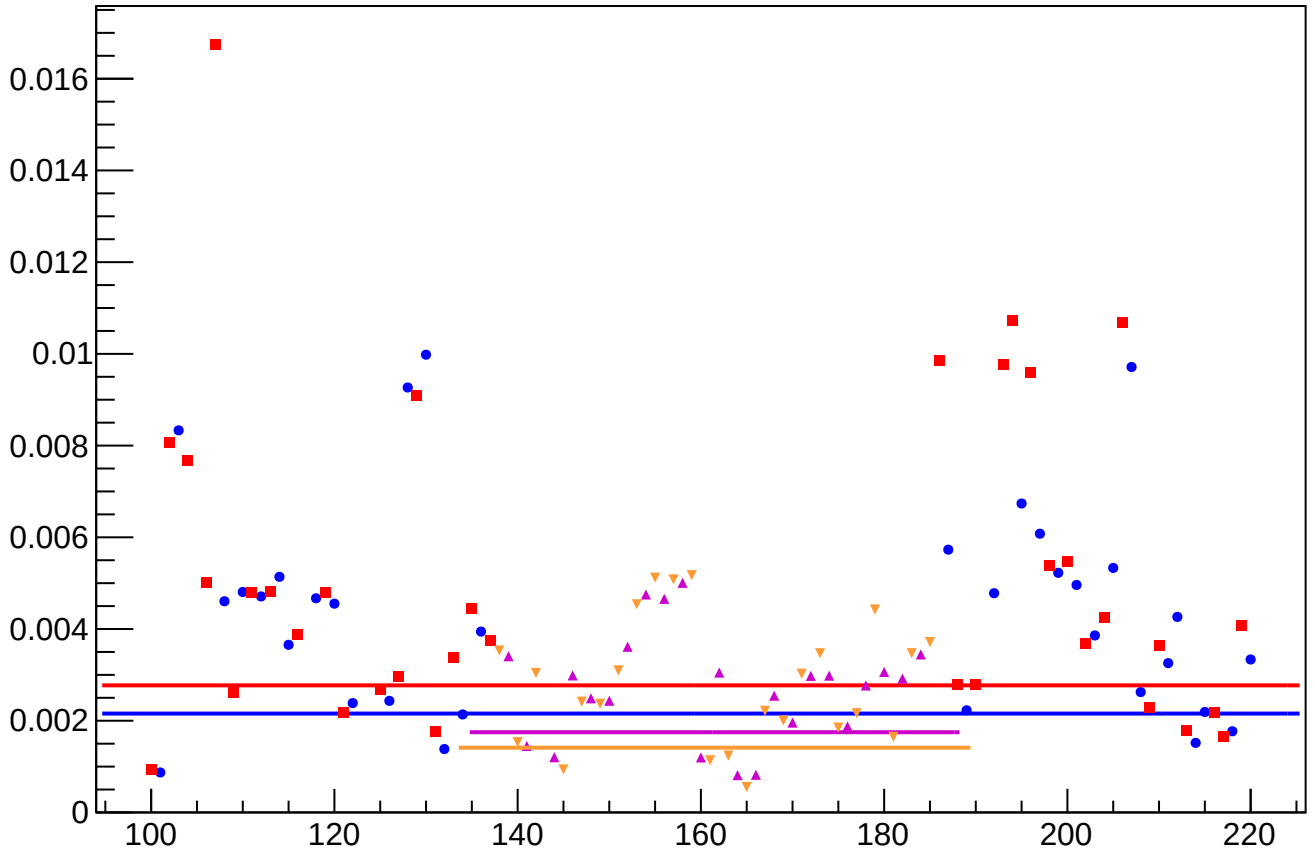
Right Out: -0.000+/-0.000 χ^2/NDF: 106.0/34

Left In: -0.000+/-0.000 χ^2/NDF:16.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 84.4/56

All: -0.000+/-0.000 χ^2/NDF: 230.3/114

- sign -0.000+/-0.000 χ^2/NDF: 144.3/57



Right In: 0.002+/-0.000 χ^2/NDF: 12825538.9/32

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10178278.9/34

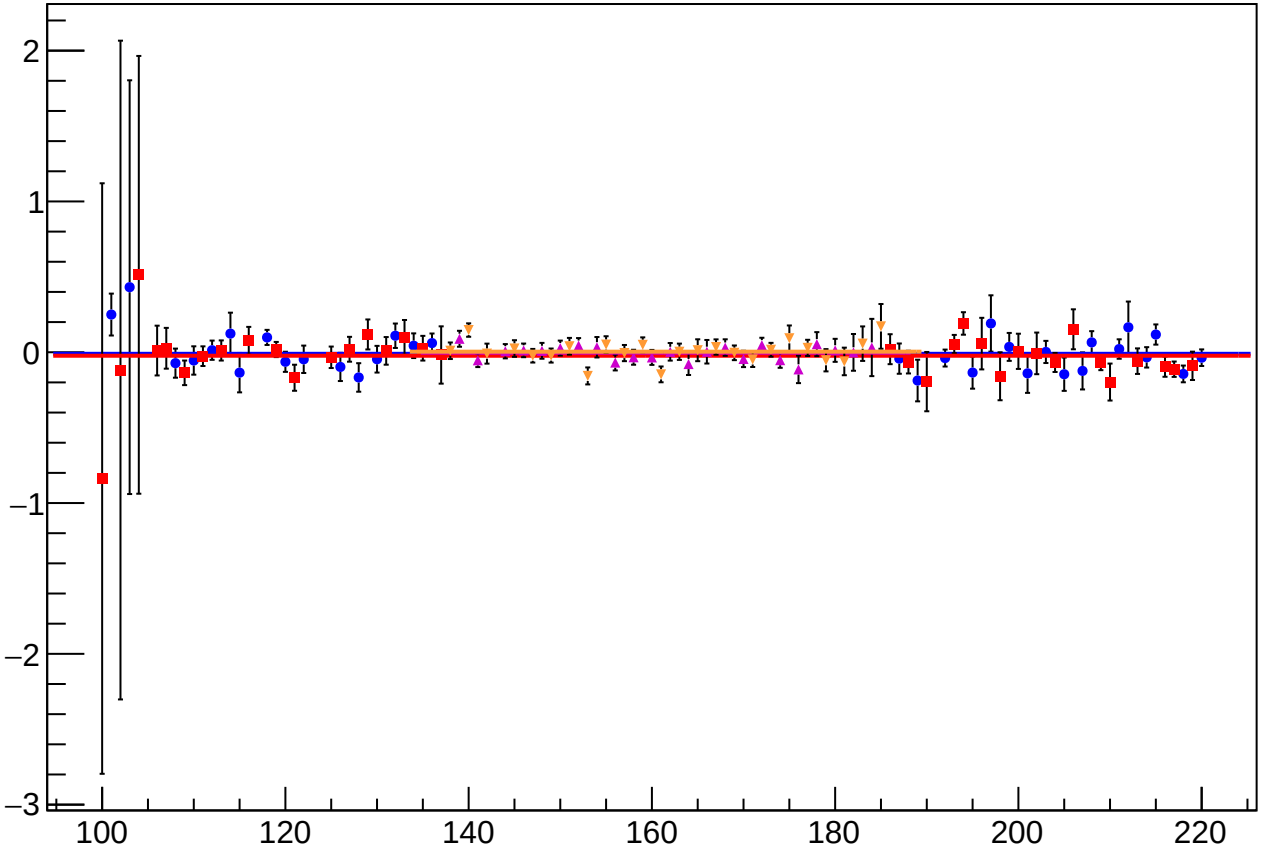
Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 26566832.9/56

All: 0.002+/-0.000 χ^2/NDF: 48969345.5/114

- sign 0.002+/-0.000 χ^2/NDF: 21155683.8/57

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.010+/-0.014 χ^2/NDF: 39.6/32

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

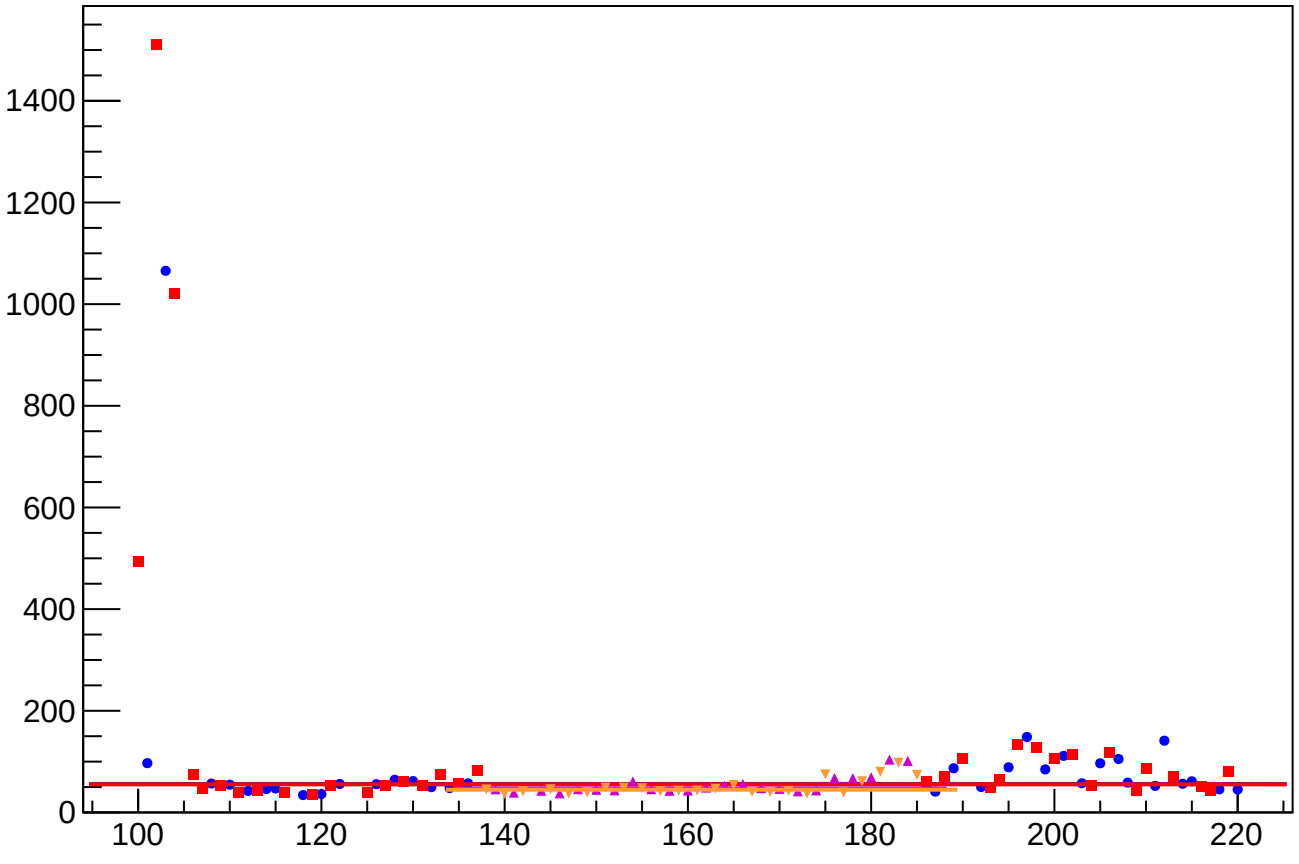
Right Out: -0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign -0.002+/-0.009 χ^2/NDF: 75.3/56

All: -0.006+/-0.006 χ^2/NDF: 124.9/114

- sign -0.011+/-0.009 χ^2/NDF: 49.1/57



Right In: 55.777+/-0.010 χ^2/NDF: 4644357.5/32

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 55.361+/-0.010 χ^2/NDF: 5534313.6/34

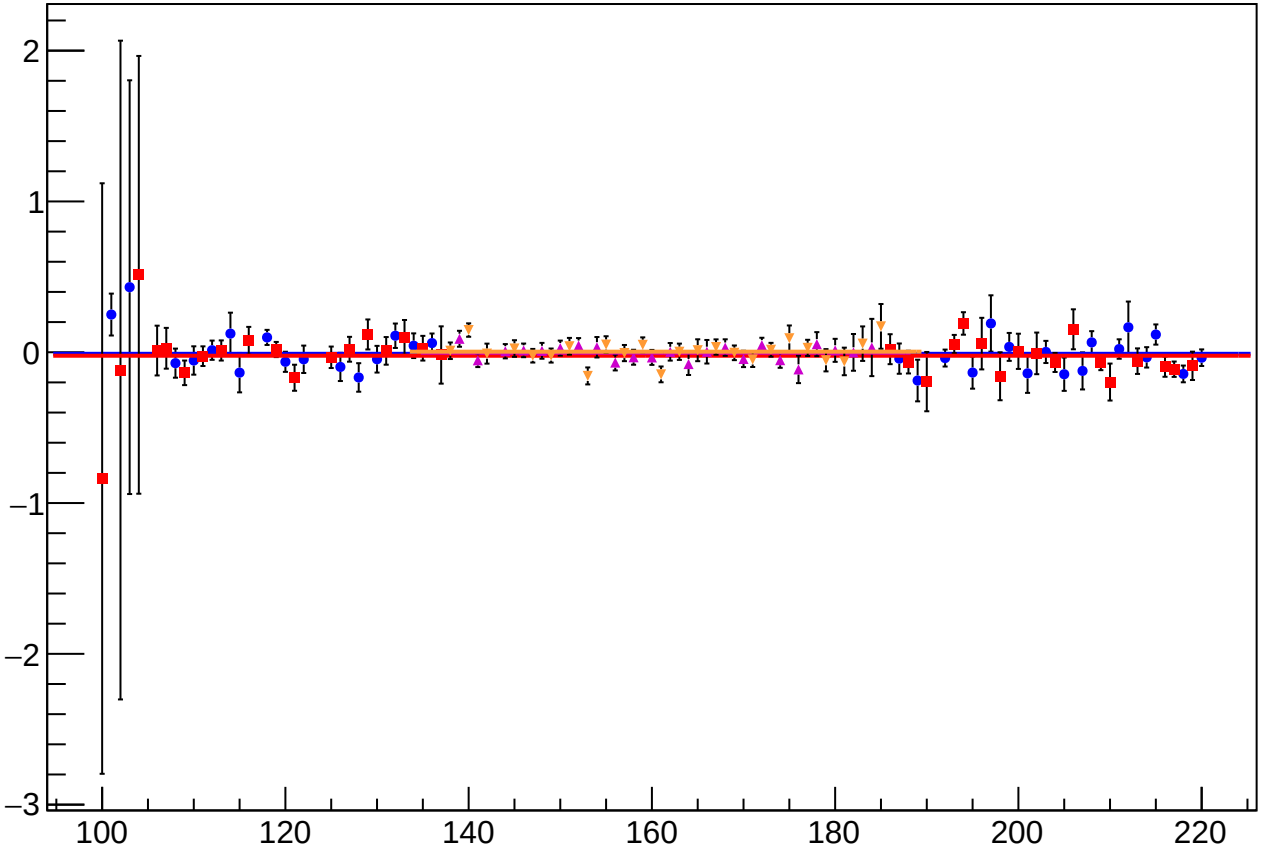
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 49.091+/-0.006 χ^2/NDF: 6852905.2/56

All: 49.725+/-0.005 χ^2/NDF: 14183949.2/114

- sign 50.396+/-0.007 χ^2/NDF: 7310419.4/57

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.010+/-0.014 χ^2/NDF: 39.6/32

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

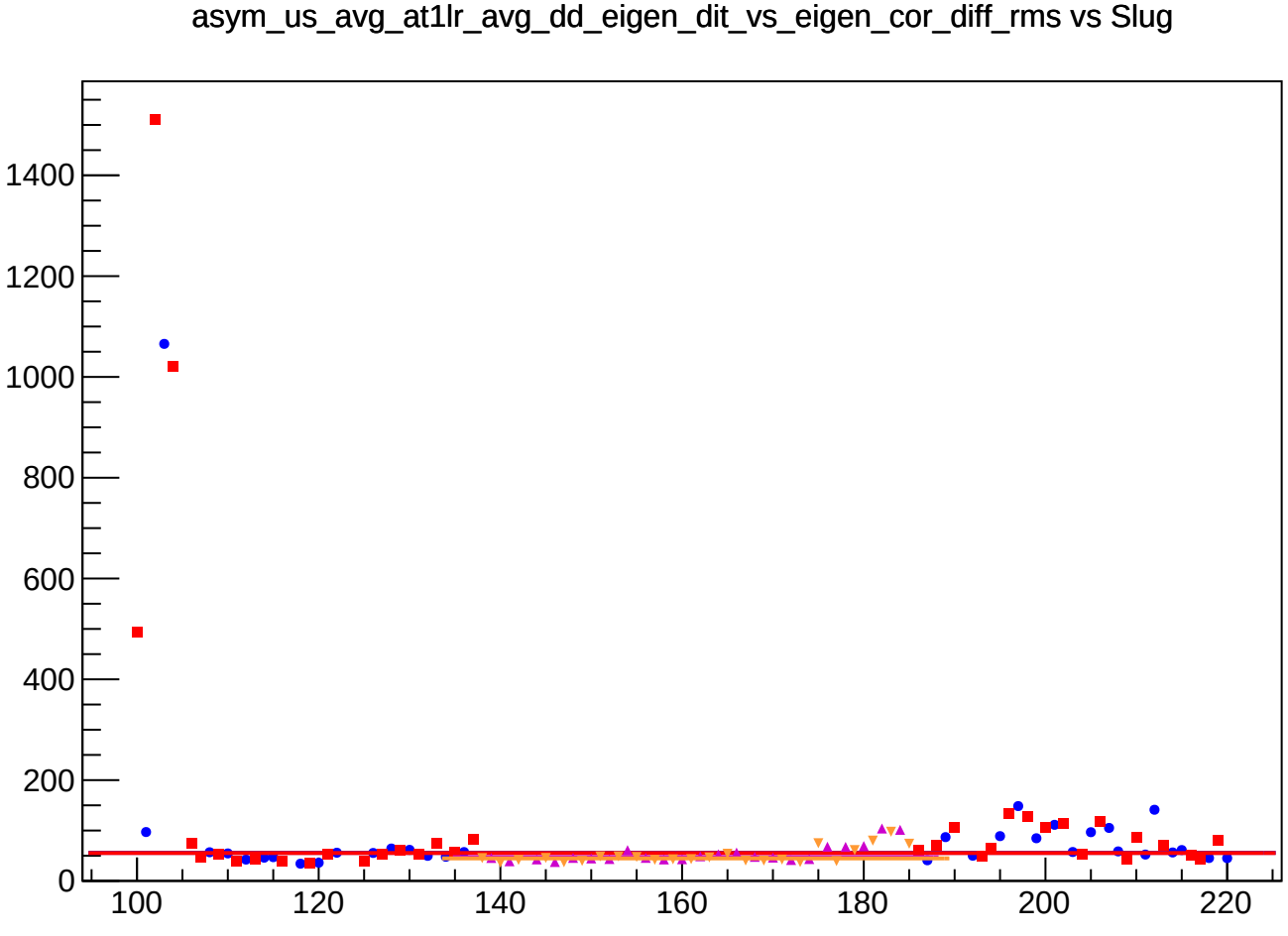
Right Out: -0.023+/-0.015 χ^2/NDF: 33.5/34

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign -0.002+/-0.009 χ^2/NDF: 75.3/56

All: -0.006+/-0.006 χ^2/NDF: 124.9/114

- sign -0.011+/-0.009 χ^2/NDF: 49.1/57



Right In: 55.777+/-0.010 χ^2/NDF: 4644357.5/32

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

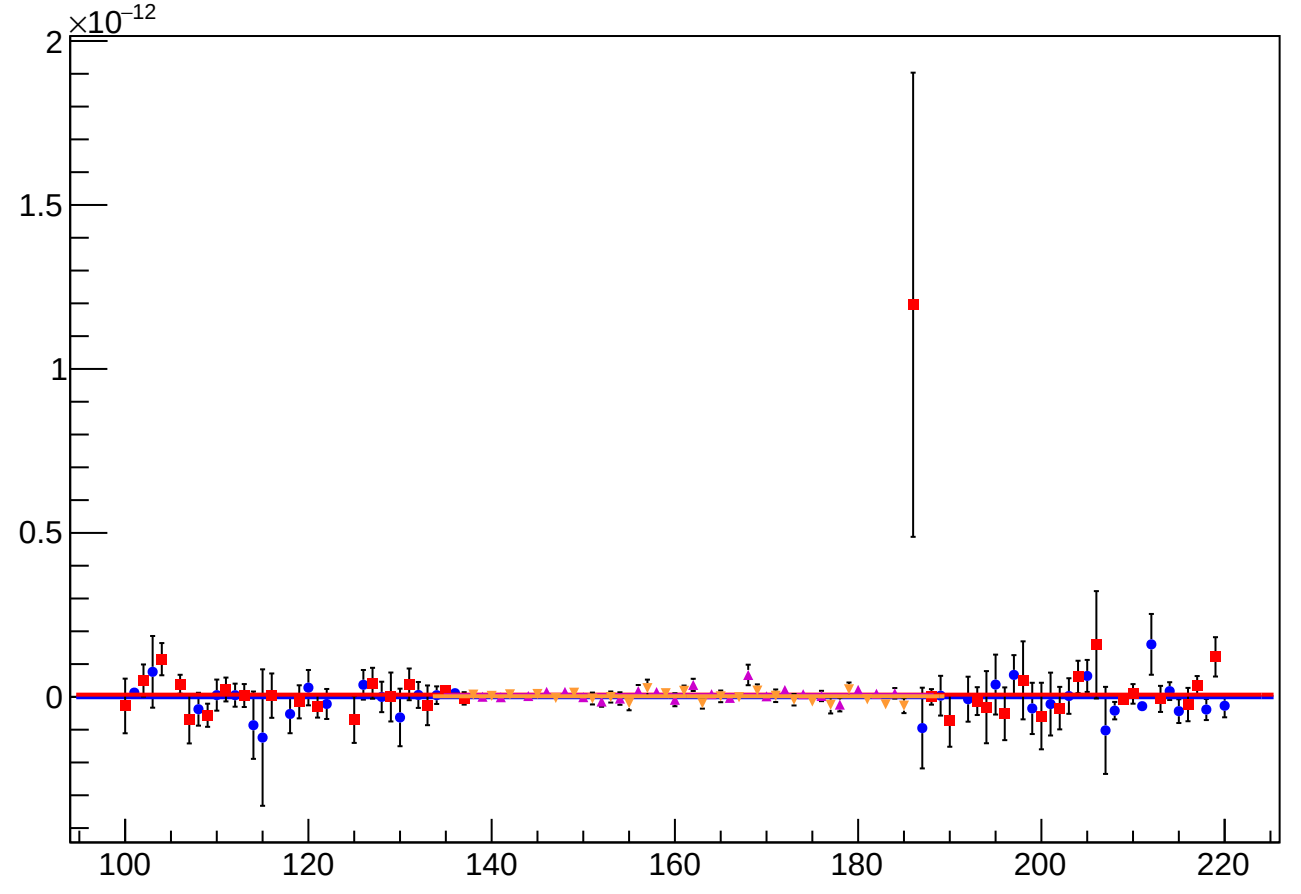
Right Out: 55.361+/-0.010 χ^2/NDF: 5534313.6/34

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 49.091+/-0.006 χ^2/NDF: 6852905.2/56

All: 49.725+/-0.005 χ^2/NDF: 14183949.2/114

- sign 50.396+/-0.007 χ^2/NDF: 7310419.4/57



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

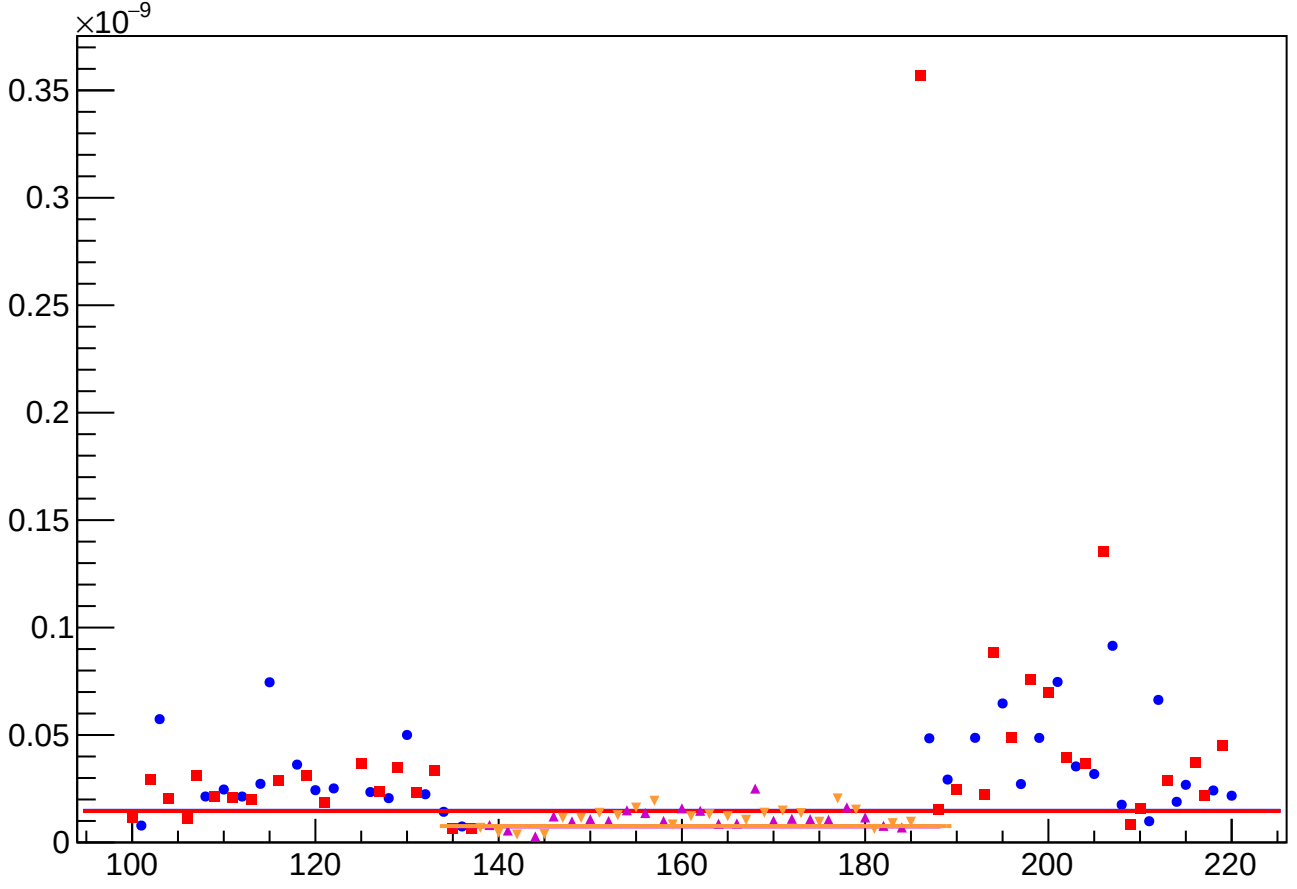
Right Out: 0.000+/-0.000 χ^2/NDF: 30.7/34

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.8/56

All: 0.000+/-0.000 χ^2/NDF: 96.2/114

- sign 0.000+/-0.000 χ^2/NDF: 48.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 8536819.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9671222.2/34

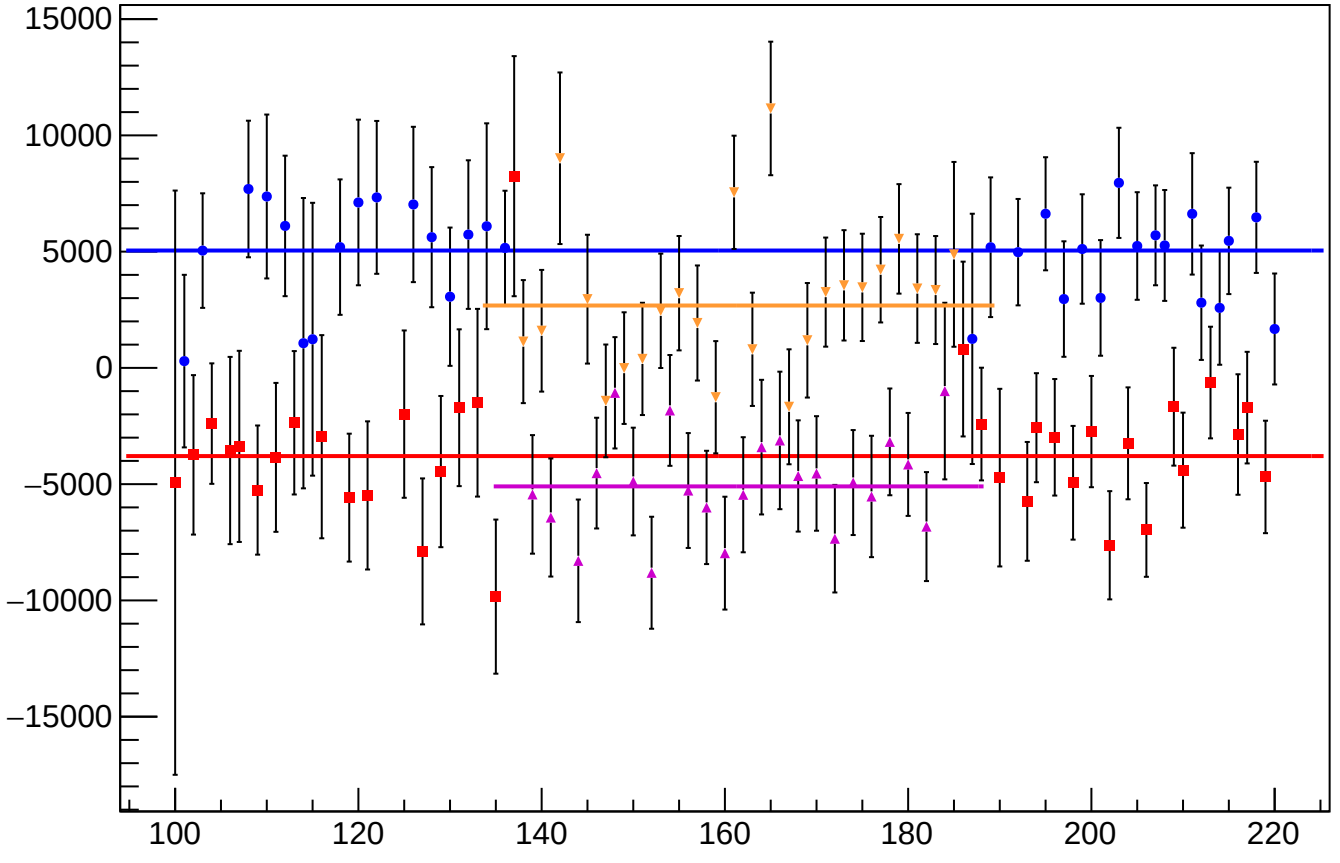
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 17043226.3/56

All: 0.000+/-0.000 χ^2/NDF: 35607613.5/114

- sign 0.000+/-0.000 χ^2/NDF: 18556107.3/57

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5047.446+/-482.089 χ^2/NDF: 14.1/32

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -3792.550+/-484.334 χ^2/NDF: 25.0/34

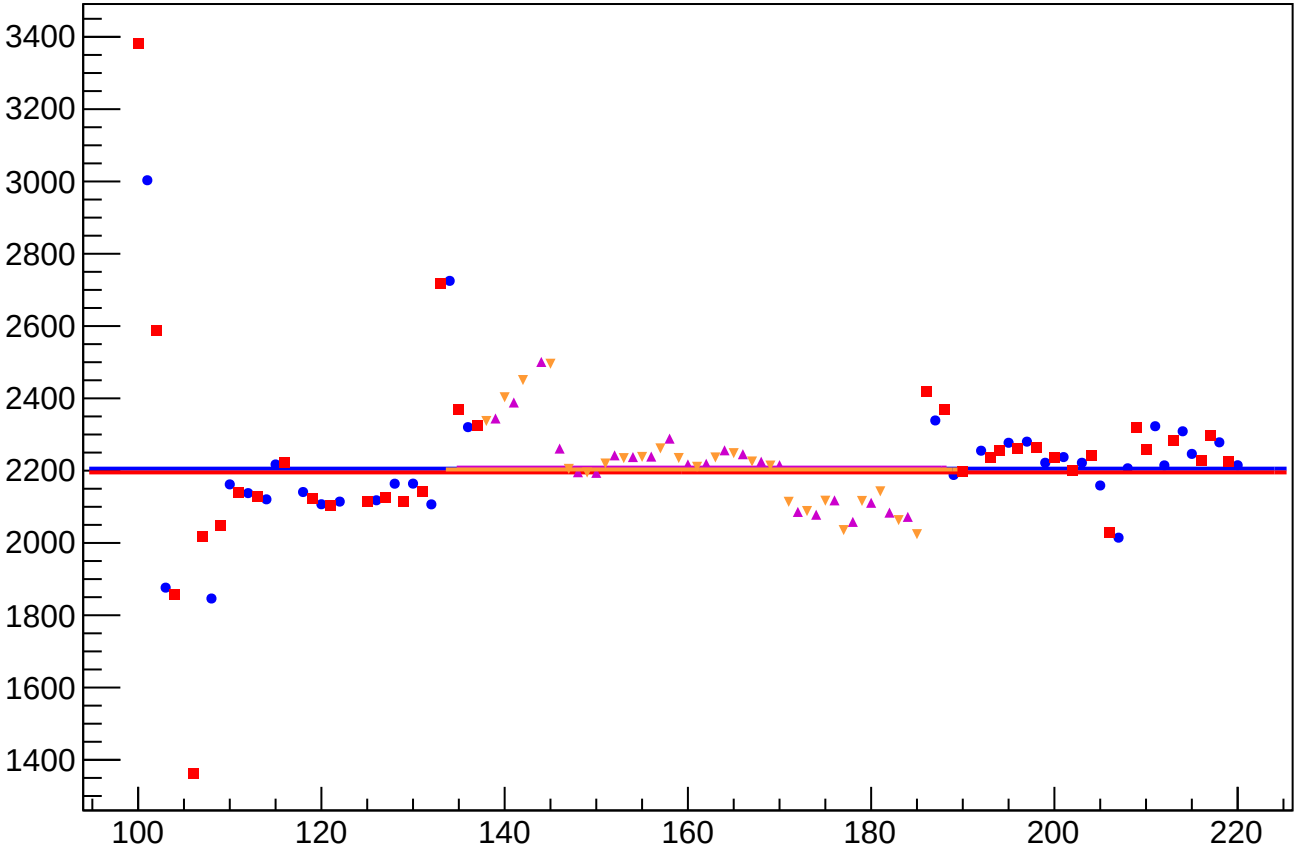
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3936.287+/-350.993 χ^2/NDF: 56.3/56

All: -207.030+/-248.971 χ^2/NDF: 380.1/114

- sign -4402.963+/-353.215 χ^2/NDF: 43.3/57

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2205.517+/-0.341 χ^2/NDF: 232843.5/32

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

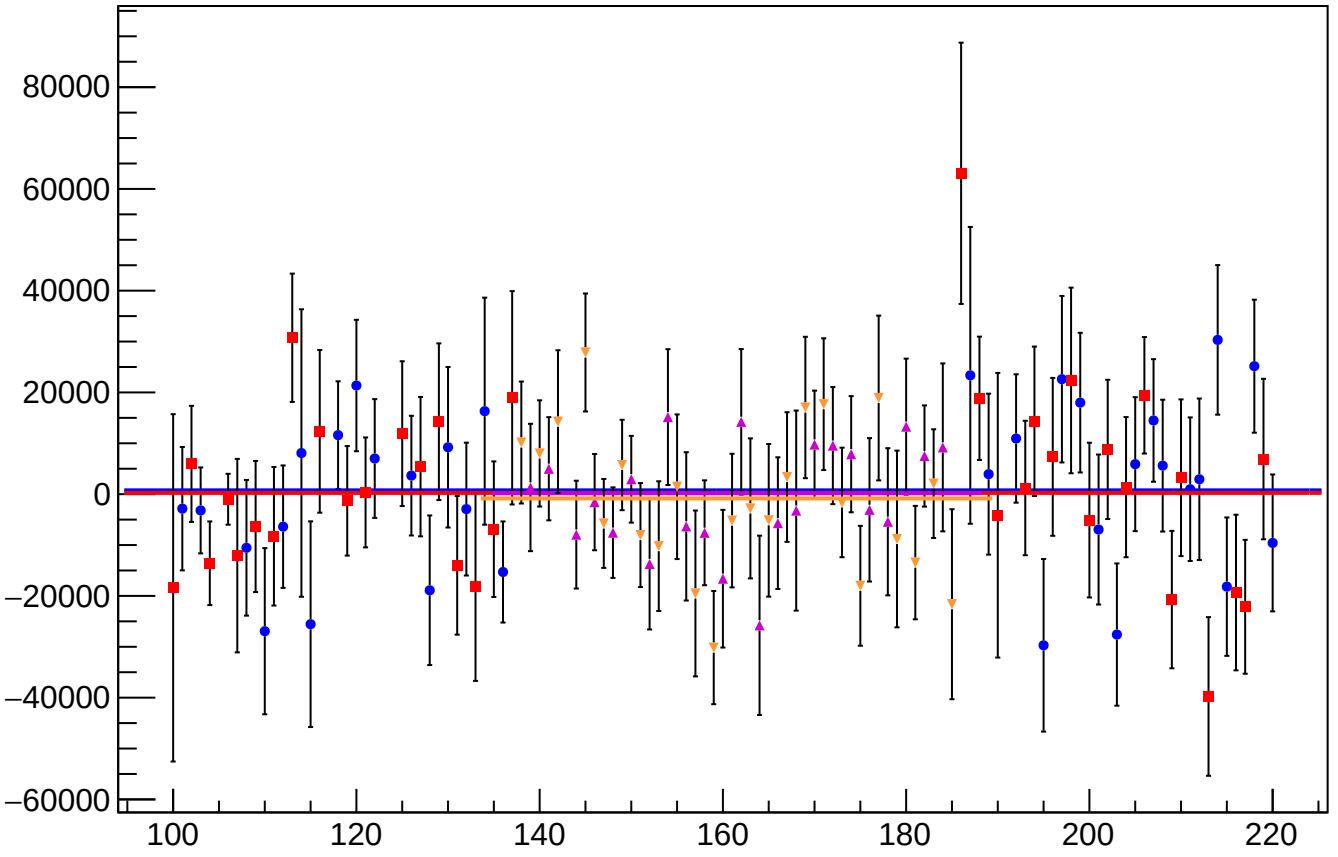
Right Out: 2195.157+/-0.340 χ^2/NDF: 340644.2/34

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2204.474+/-0.248 χ^2/NDF: 321071.8/56

All: 2202.896+/-0.176 χ^2/NDF: 743493.0/114

- sign 2201.309+/-0.249 χ^2/NDF: 422340.2/57



Right In: 748.274+/-2359.569 χ^2/NDF: 39.1/32

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

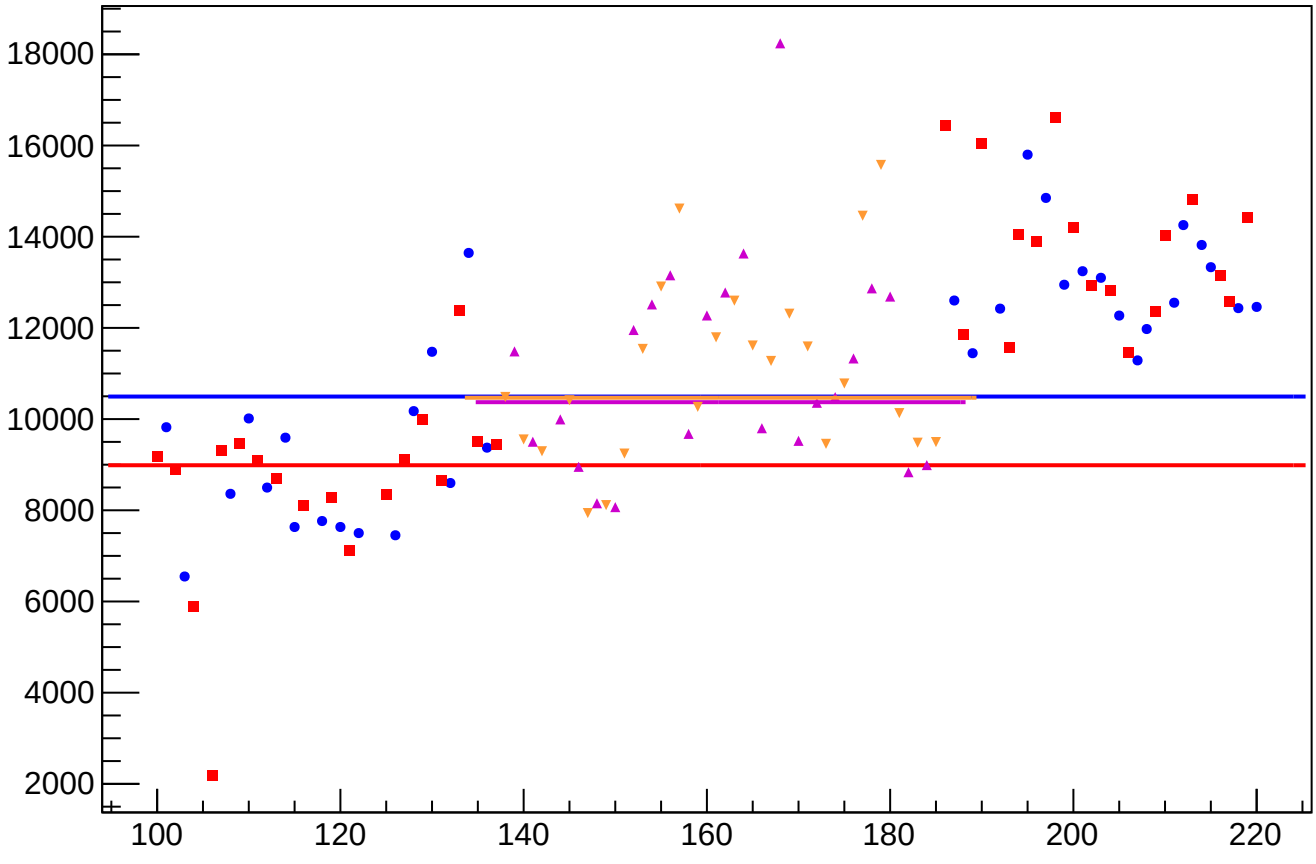
Right Out: 248.505+/-2165.905 χ^2/NDF: 43.8/34

Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

+ sign -2.801+/-1709.938 χ^2/NDF: 68.8/56

All: 113.902+/-1179.391 χ^2/NDF: 126.4/114

- sign 219.798+/-1628.838 χ^2/NDF: 57.5/57



Right In: 10494.471+/-1.668 χ^2/NDF: 2311695.4/32

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8987.895+/-1.532 χ^2/NDF: 7227601.6/34

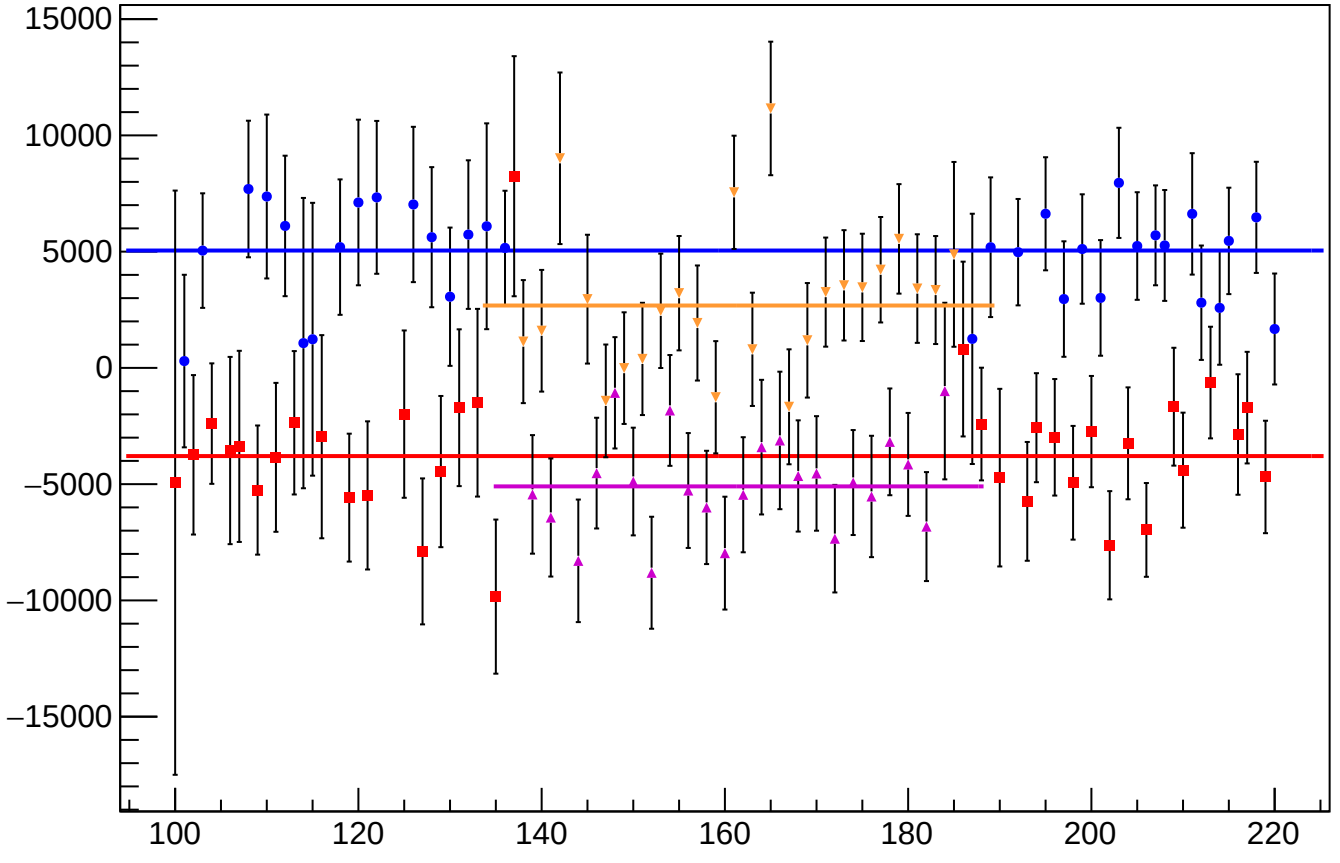
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 10482.223+/-1.209 χ^2/NDF: 3357066.0/56

All: 10013.785+/-0.834 χ^2/NDF: 12428984.8

- sign 9588.729+/-1.152 χ^2/NDF: 8785624.2/57

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5047.456+/-482.089 χ^2/NDF: 14.1/32

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3792.508+/-484.334 χ^2/NDF: 25.0/34

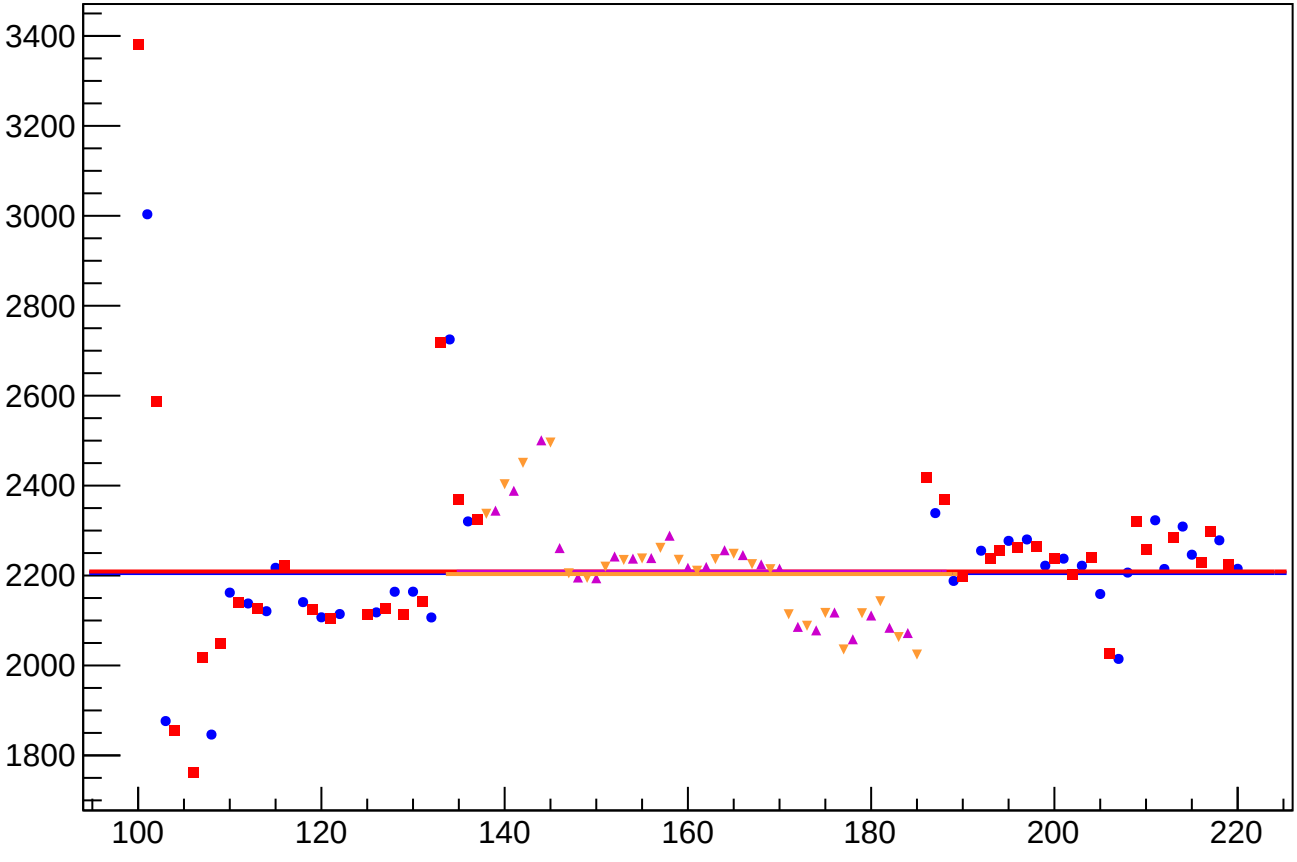
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3936.255+/-350.993 χ^2/NDF: 56.3/56

All: -207.014+/-248.971 χ^2/NDF: 380.1/114

- sign -4402.898+/-353.215 χ^2/NDF: 43.3/57

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2205.517+/-0.341 χ^2/NDF: 232843.9/32

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

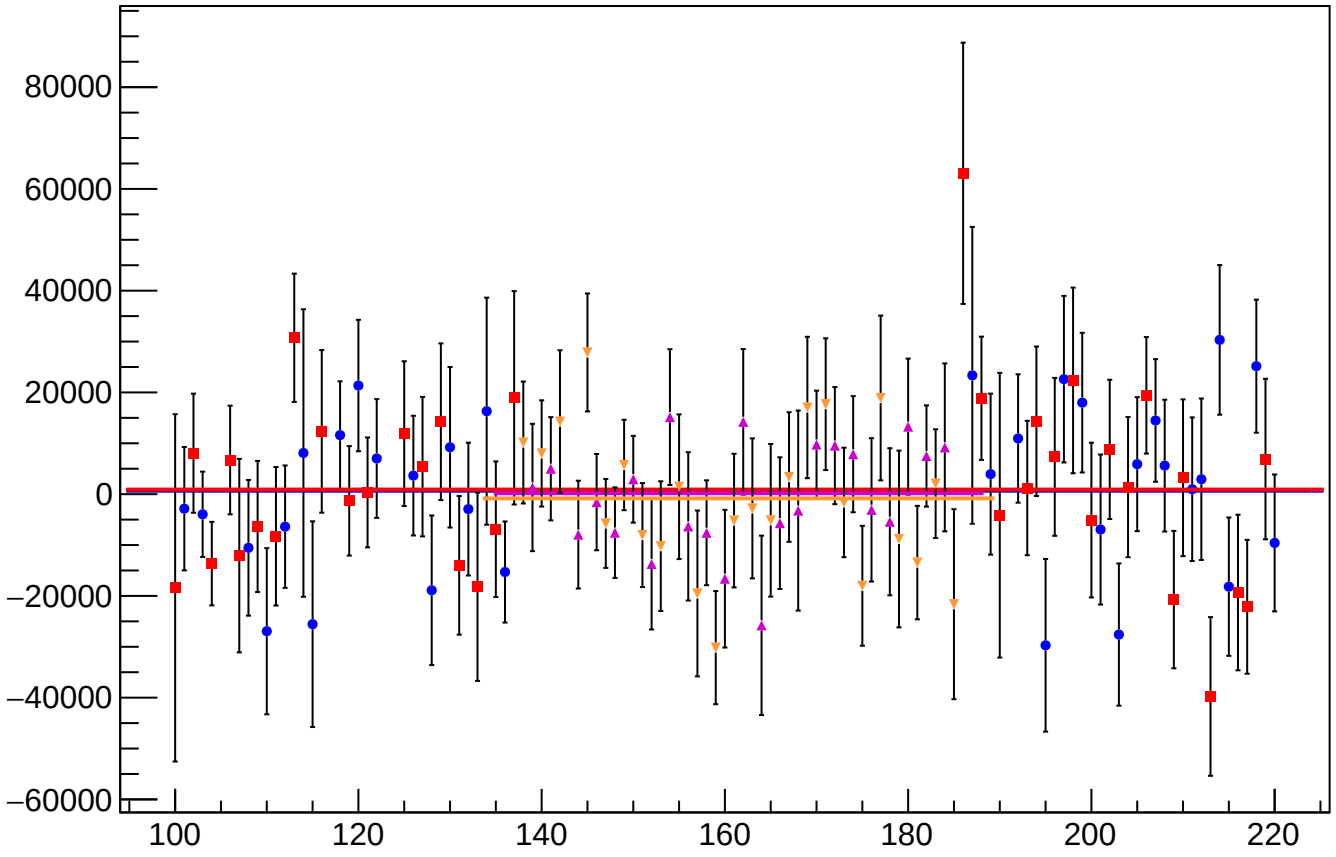
Right Out: 2209.013+/-0.342 χ^2/NDF: 213845.3/34

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2204.474+/-0.248 χ^2/NDF: 321072.2/56

All: 2206.584+/-0.176 χ^2/NDF: 616058.7/114

- sign 2208.717+/-0.250 χ^2/NDF: 294841.2/57



Right In: 683.110+/-2358.153 χ^2/NDF: 39.2/32

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

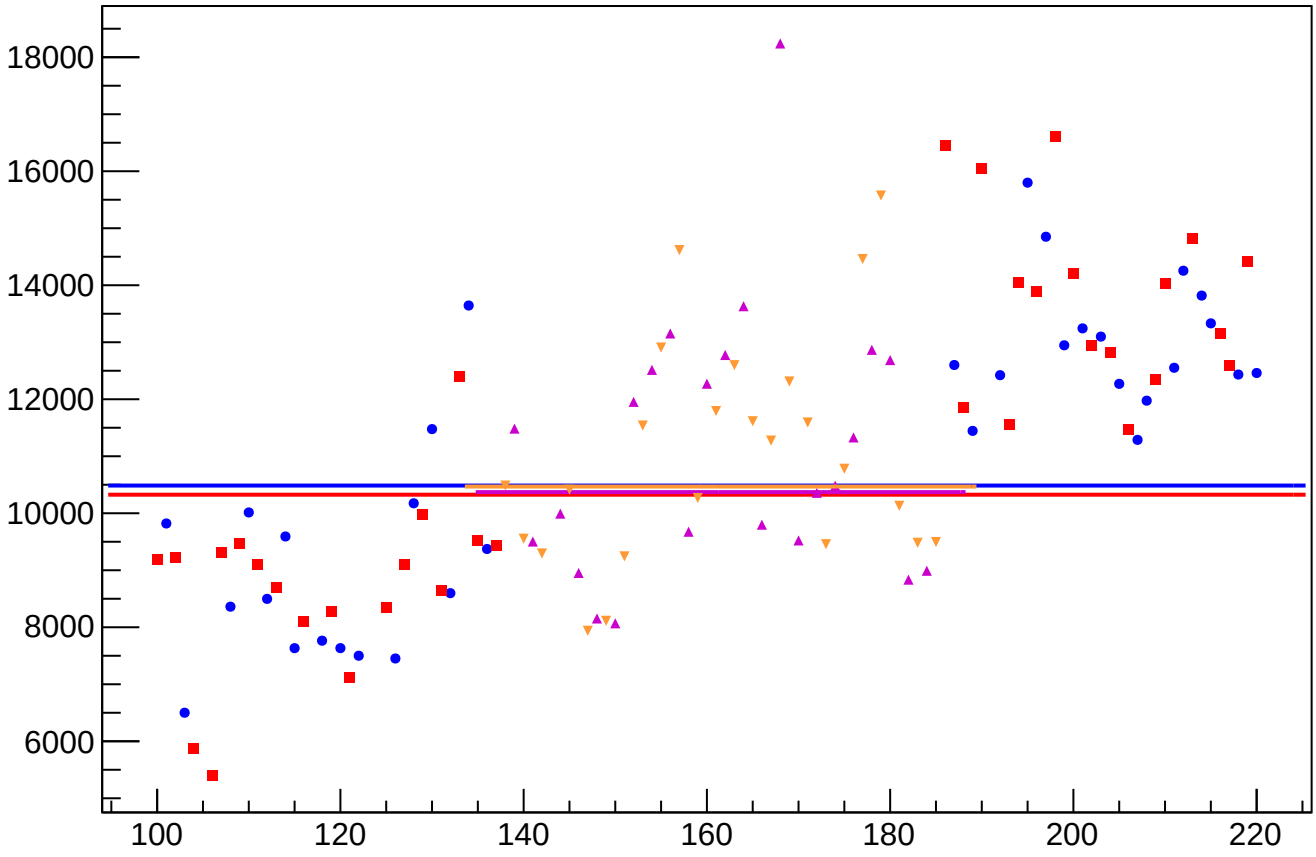
Right Out: 898.211+/-2346.455 χ^2/NDF: 44.3/34

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -36.556+/-1709.399 χ^2/NDF: 68.9/56

All: 262.490+/-1205.958 χ^2/NDF: 127.0/114

- sign 558.812+/-1701.593 χ^2/NDF: 58.1/57



Right In: 10485.978+/-1.667 χ^2/NDF: 2329061.6/32

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 10325.502+/-1.659 χ^2/NDF: 3100705.5/34

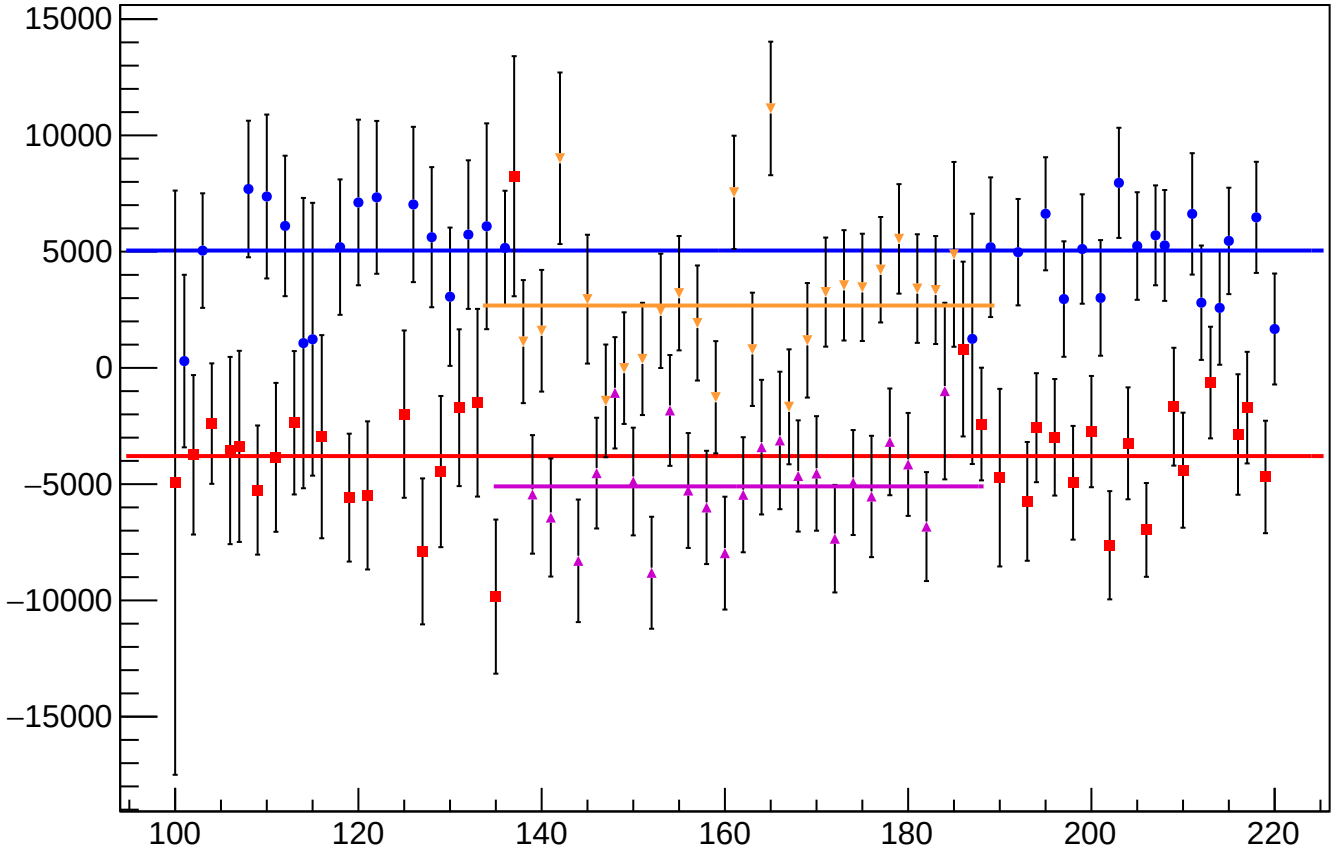
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10477.767+/-1.209 χ^2/NDF: 3374371.2/56

All: 10412.094+/-0.853 χ^2/NDF: 7685072.5/1

- sign 10347.019+/-1.203 χ^2/NDF: 4304824.1/57

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5047.456+/-482.089 χ^2/NDF: 14.1/32

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -3792.508+/-484.334 χ^2/NDF: 25.0/34

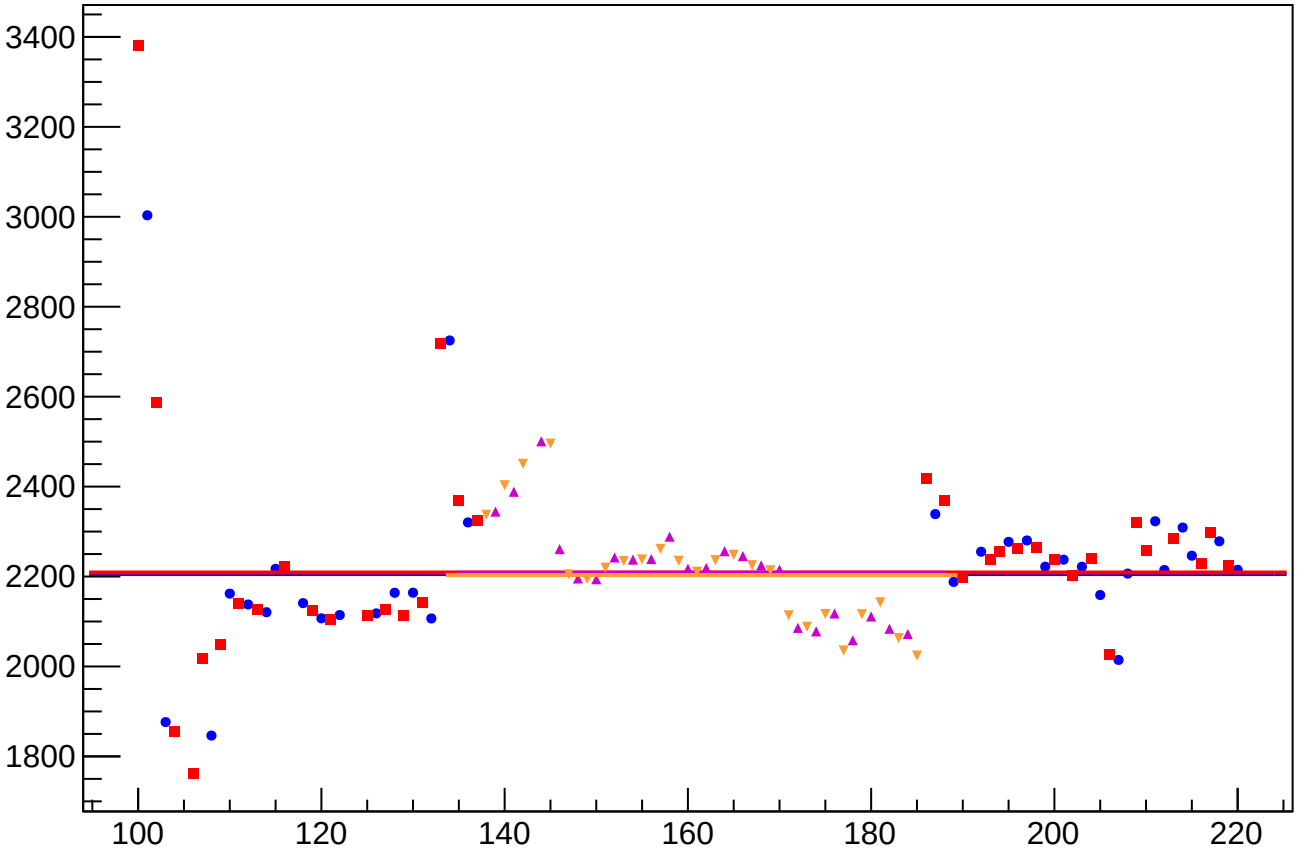
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3936.255+/-350.993 χ^2/NDF: 56.3/56

All: -207.014+/-248.971 χ^2/NDF: 380.1/114

- sign -4402.898+/-353.215 χ^2/NDF: 43.3/57

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2205.517+/-0.341 χ^2/NDF: 232843.9/32

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

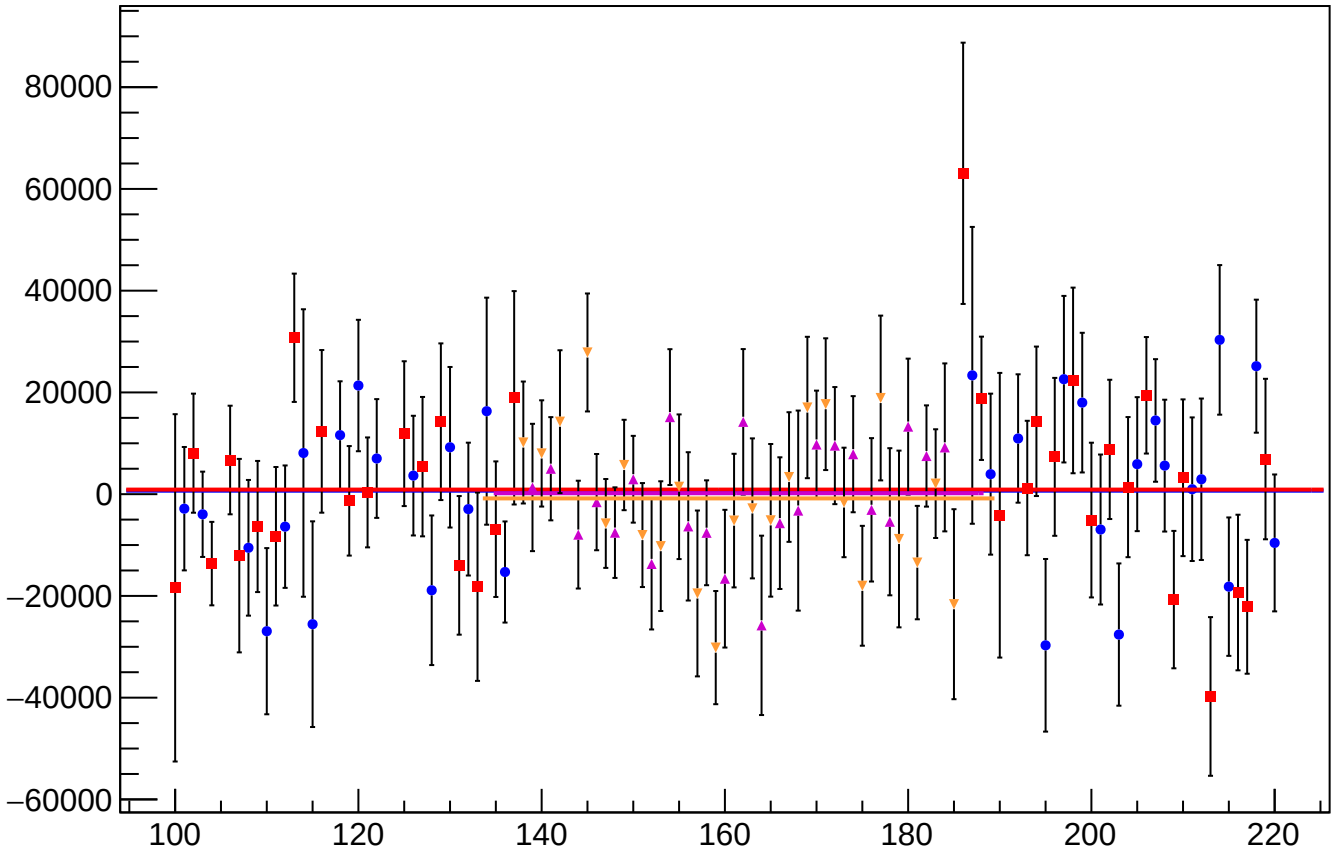
Right Out: 2209.013+/-0.342 χ^2/NDF: 213845.3/34

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2204.474+/-0.248 χ^2/NDF: 321072.2/56

All: 2206.584+/-0.176 χ^2/NDF: 616058.7/114

- sign 2208.717+/-0.250 χ^2/NDF: 294841.2/57



Right In: 683.110+/-2358.153 χ^2/NDF: 39.2/32

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

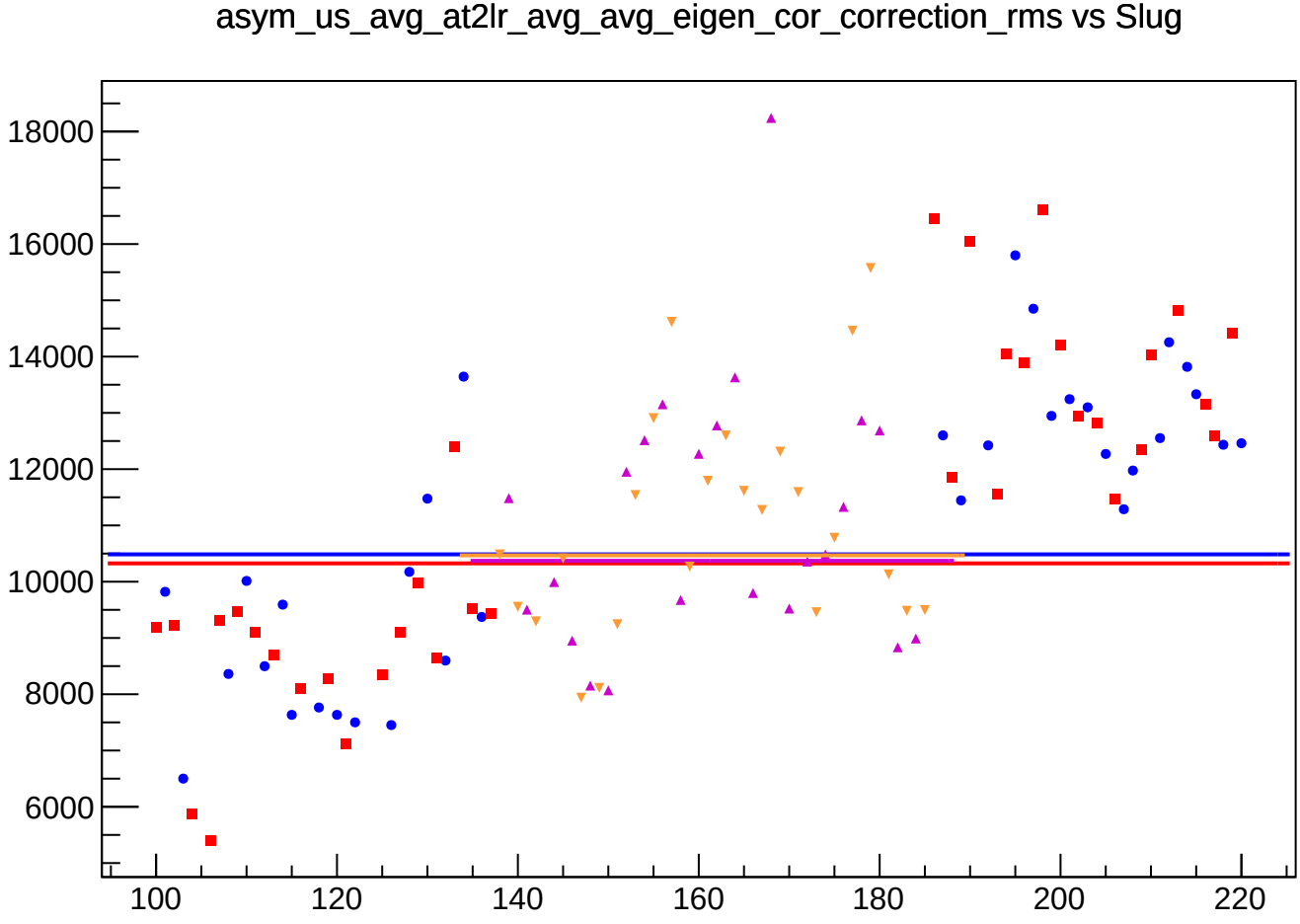
Right Out: 898.211+/-2346.455 χ^2/NDF: 44.3/34

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -36.556+/-1709.399 χ^2/NDF: 68.9/56

All: 262.490+/-1205.958 χ^2/NDF: 127.0/114

- sign 558.812+/-1701.593 χ^2/NDF: 58.1/57



Right In: 10485.978+/-1.667 χ^2/NDF: 2329061.6/32

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 10325.502+/-1.659 χ^2/NDF: 3100705.5/34

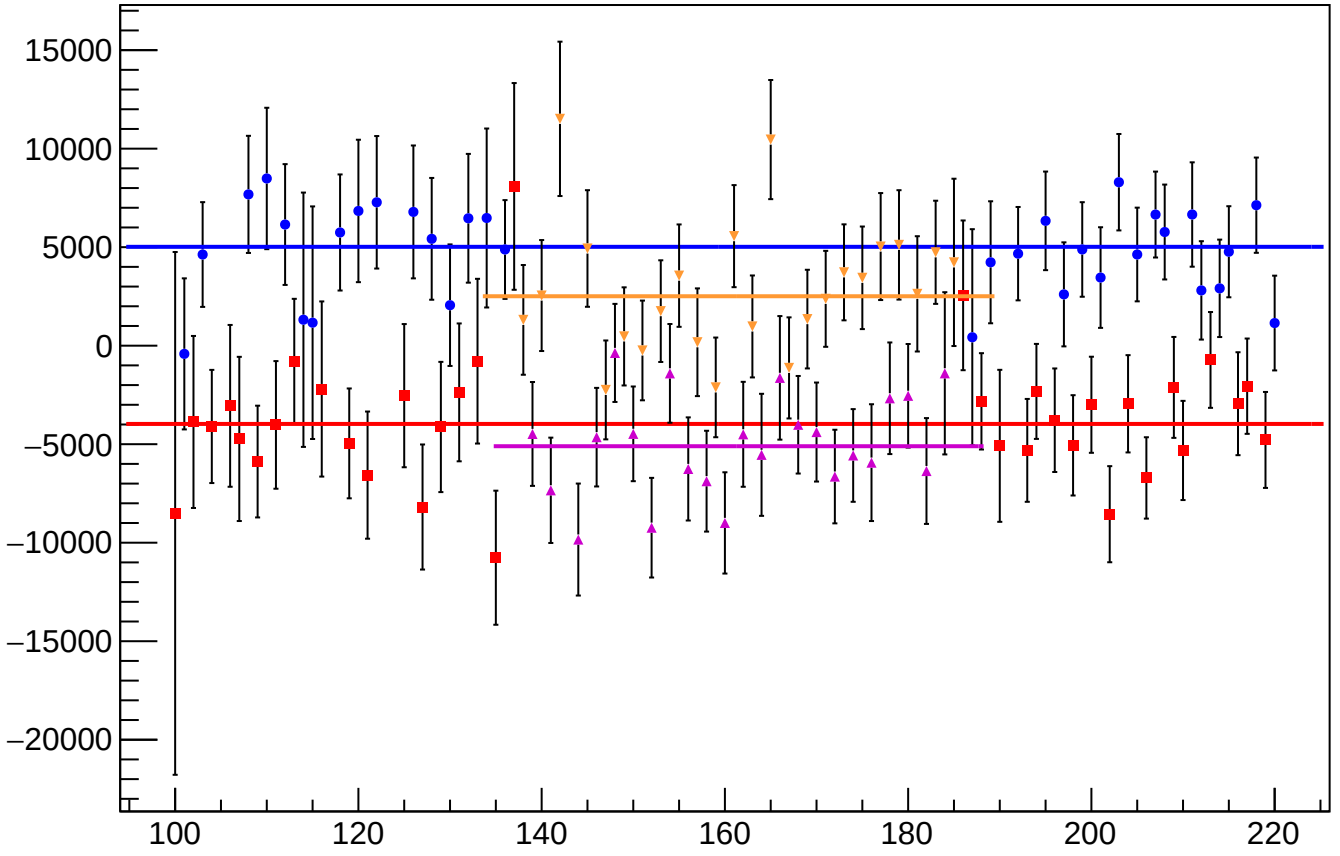
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10477.767+/-1.209 χ^2/NDF: 3374371.2/56

All: 10412.094+/-0.853 χ^2/NDF: 7685072.5/1

- sign 10347.019+/-1.203 χ^2/NDF: 4304824.1/57

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5017.594+/-493.322 χ^2/NDF: 17.0/32

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -3971.883+/-497.416 χ^2/NDF: 27.9/34

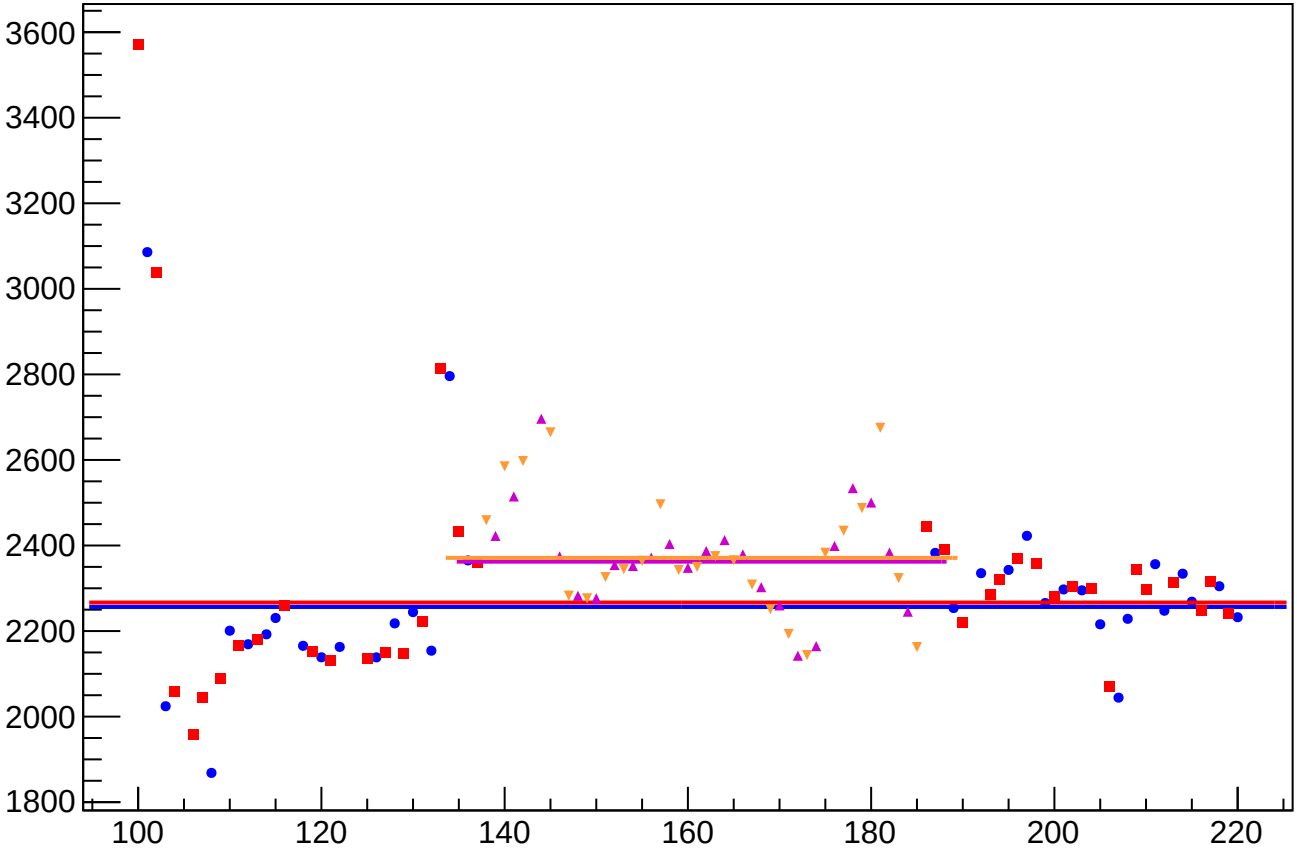
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3902.765+/-367.715 χ^2/NDF: 58.3/56

All: -265.193+/-260.711 χ^2/NDF: 366.7/114

- sign -4478.173+/-369.696 χ^2/NDF: 50.1/57

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2256.308+/-0.349 χ^2/NDF: 227905.4/32

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

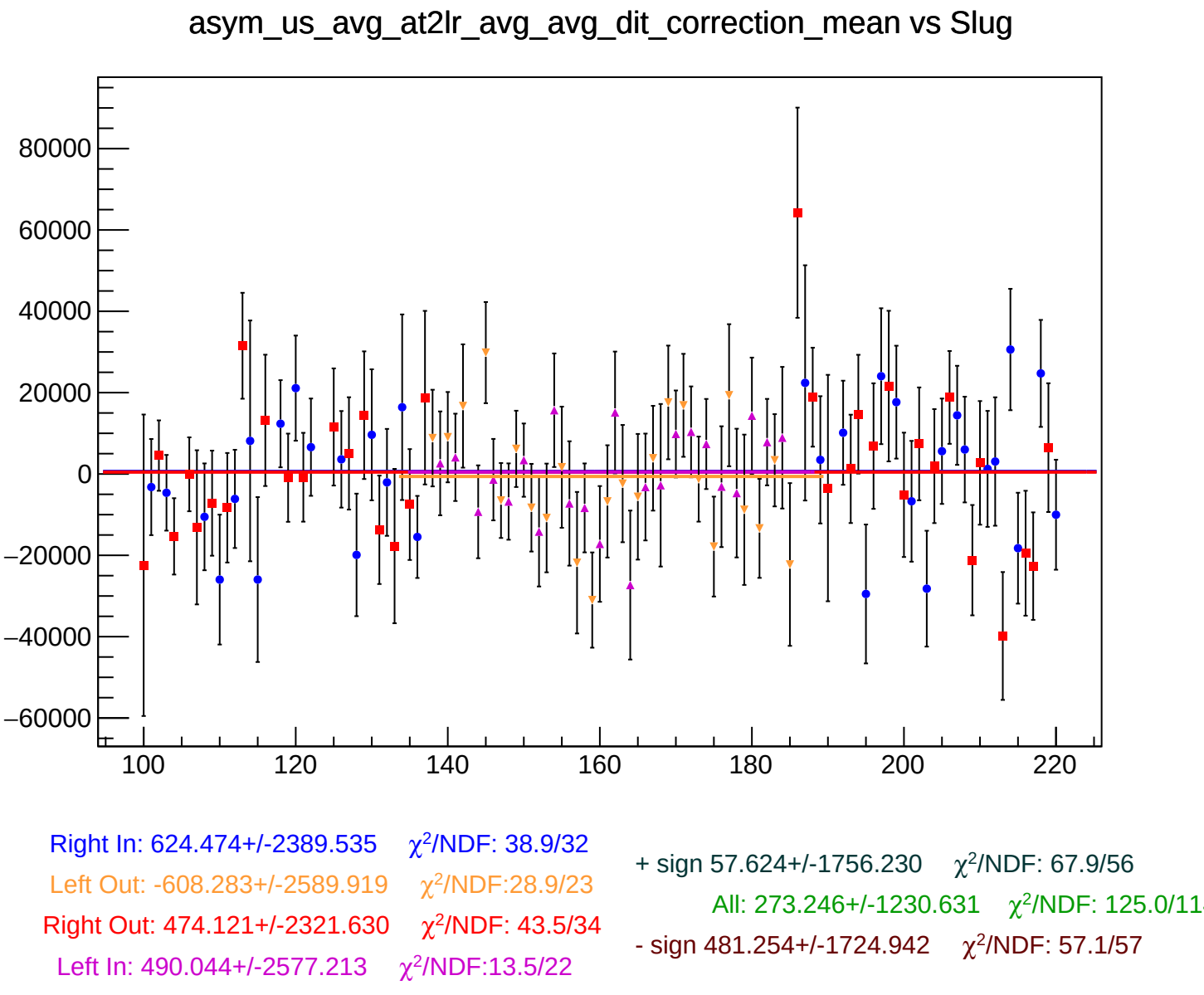
Right Out: 2266.702+/-0.352 χ^2/NDF: 215424.4/34

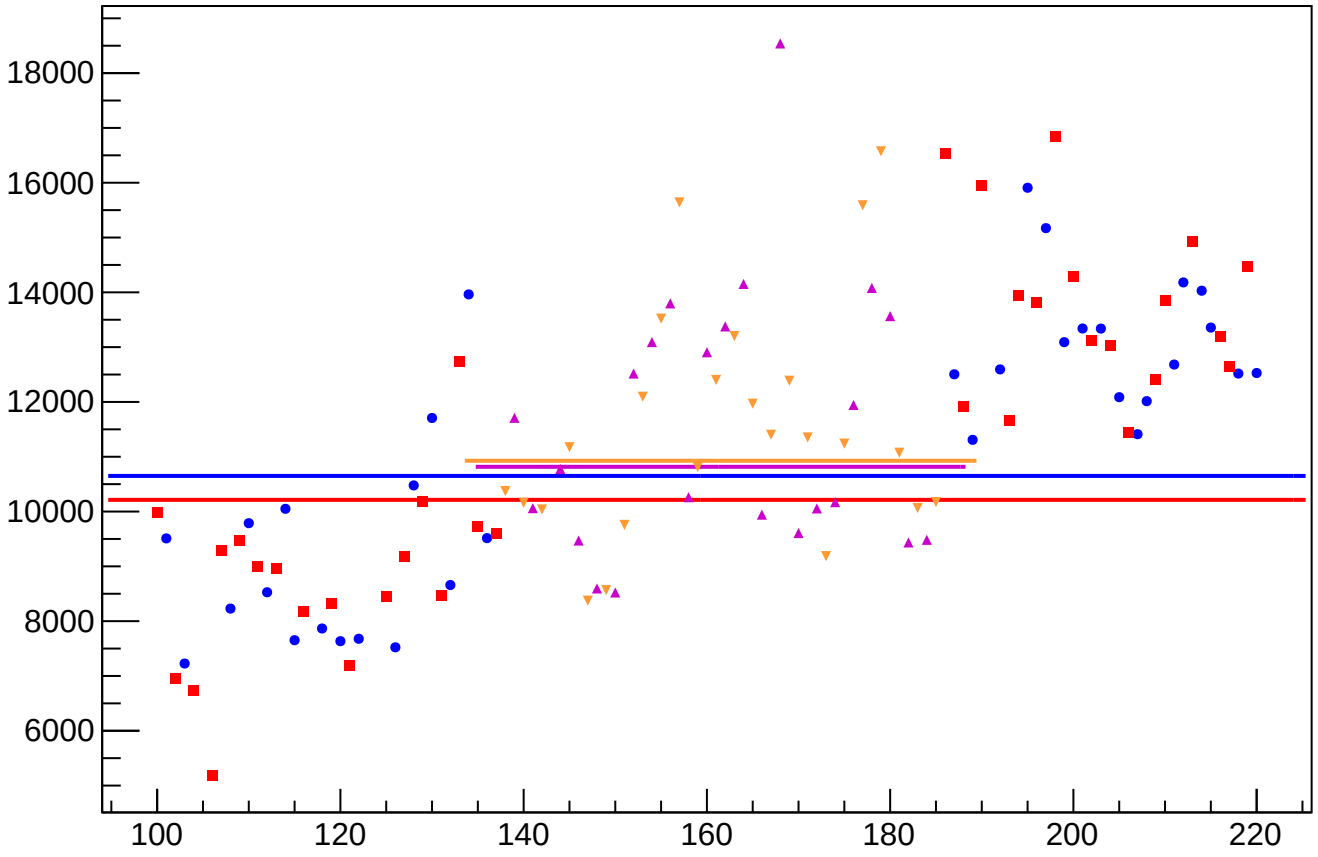
Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2307.338+/-0.260 χ^2/NDF: 392357.3/56

All: 2308.386+/-0.184 χ^2/NDF: 732727.2/114

- sign 2309.445+/-0.261 χ^2/NDF: 340337.3/57


asym_us_avg_at2lr_avg_avg_dit_correction_mean vs Slug
80000
60000
40000
20000
0
−20000
−40000
−60000
100
120
140
160
180
200
220
Right In: 624.474+/-2389.535 χ²/NDF: 38.9/32
Left Out: -608.283+/-2589.919 χ²/NDF:28.9/23
Right Out: 474.121+/-2321.630 χ²/NDF: 43.5/34
Left In: 490.044+/-2577.213 χ²/NDF:13.5/22
+ sign 57.624+/-1756.230 χ²/NDF: 67.9/56
All: 273.246+/-1230.631 χ²/NDF: 125.0/114
- sign 481.254+/-1724.942 χ²/NDF: 57.1/57



Right In: 10650.103+/-1.690 χ^2/NDF: 2145485.4/32

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

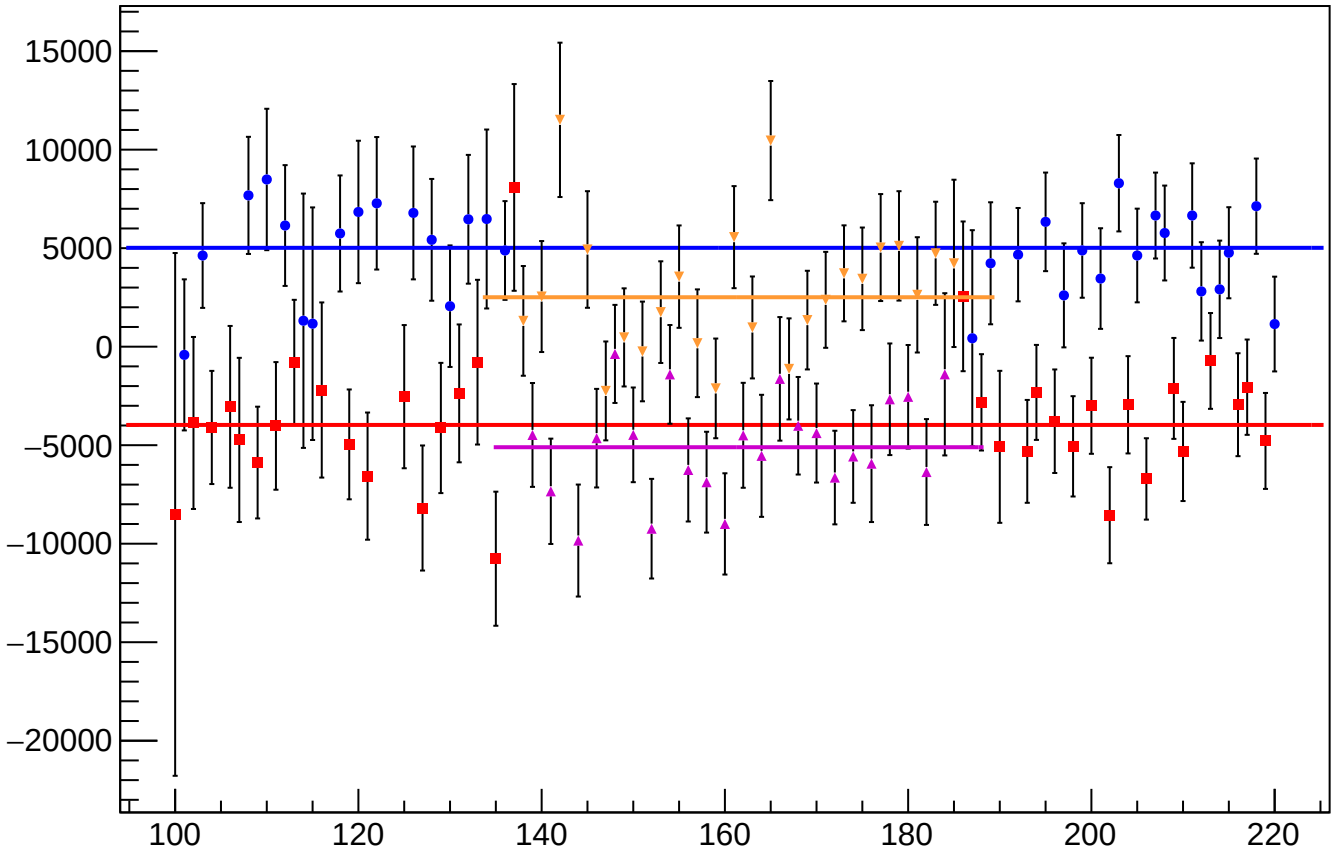
Right Out: 10213.473+/-1.642 χ^2/NDF: 3308893.0/34

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10777.363+/-1.242 χ^2/NDF: 3215153.0/56

All: 10627.806+/-0.870 χ^2/NDF: 7809772.0/1

- sign 10483.530+/-1.220 χ^2/NDF: 4566123.7/57



Right In: 5017.587+/-493.322 χ^2/NDF: 17.0/32

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -3971.882+/-497.416 χ^2/NDF: 27.9/34

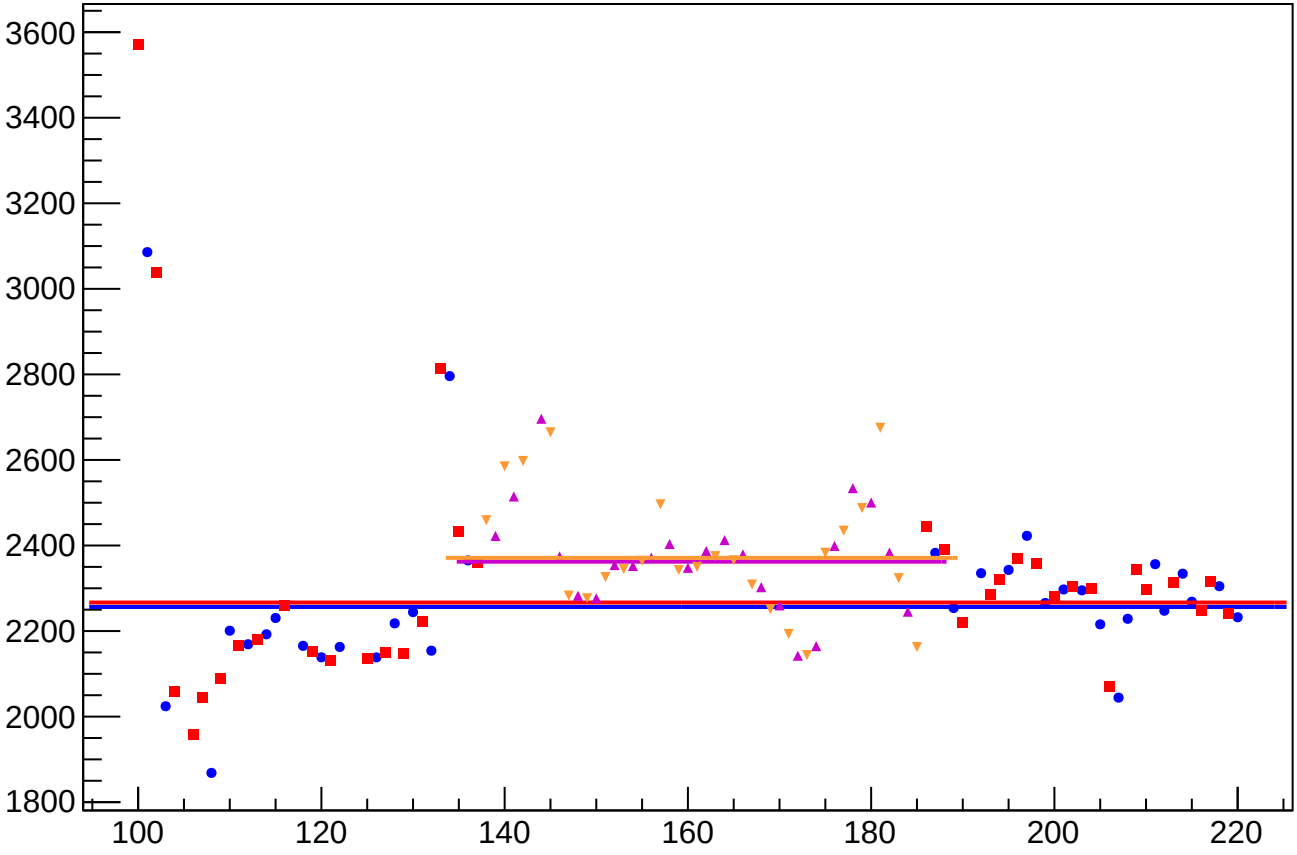
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3902.758+/-367.716 χ^2/NDF: 58.3/56

All: -265.197+/-260.712 χ^2/NDF: 366.7/114

- sign -4478.173+/-369.696 χ^2/NDF: 50.1/57

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2256.308+/-0.349 χ^2/NDF: 227905.7/32

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

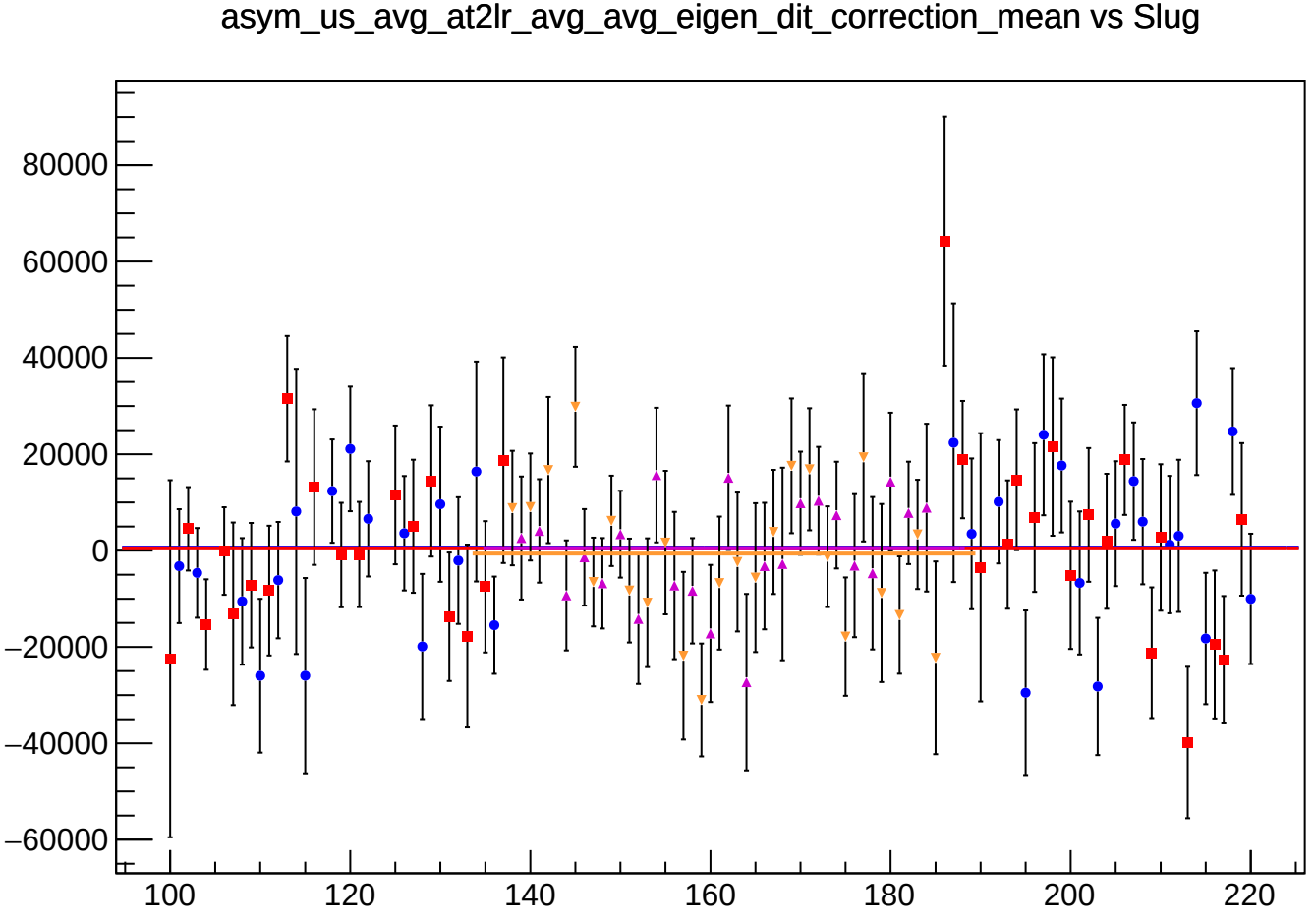
Right Out: 2266.701+/-0.352 χ^2/NDF: 215424.9/34

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2307.339+/-0.260 χ^2/NDF: 392364.8/56

All: 2308.387+/-0.184 χ^2/NDF: 732742.0/114

- sign 2309.446+/-0.261 χ^2/NDF: 340344.6/57



Right In: 624.477+/-2389.534 χ^2/NDF: 38.9/32

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

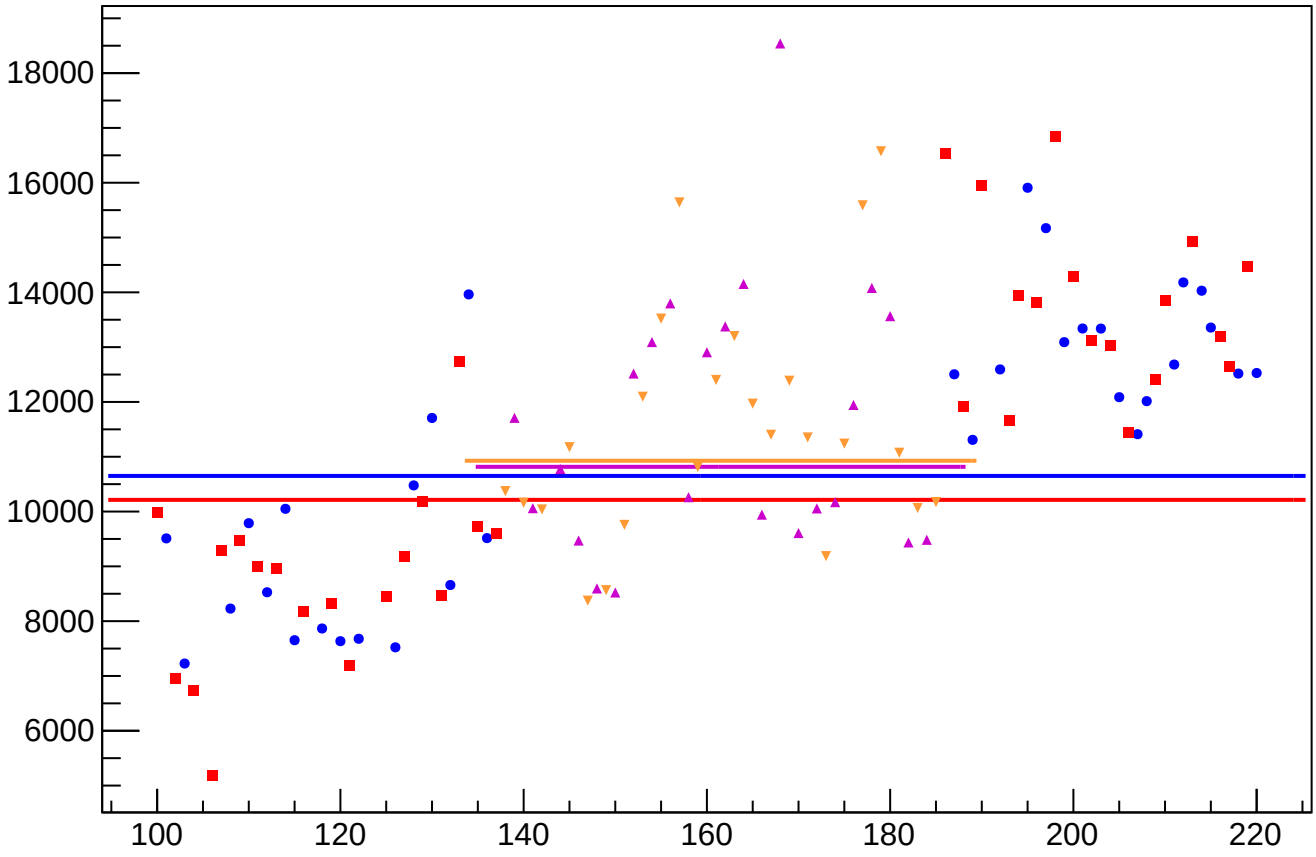
Right Out: 474.112+/-2321.628 χ^2/NDF: 43.5/34

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign 57.623+/-1756.231 χ^2/NDF: 67.9/56

All: 273.244+/-1230.632 χ^2/NDF: 125.0/114

- sign 481.250+/-1724.943 χ^2/NDF: 57.1/57



Right In: 10650.094+/-1.690 χ^2/NDF: 2145520.1/32

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 10213.461+/-1.642 χ^2/NDF: 3308924.0/34

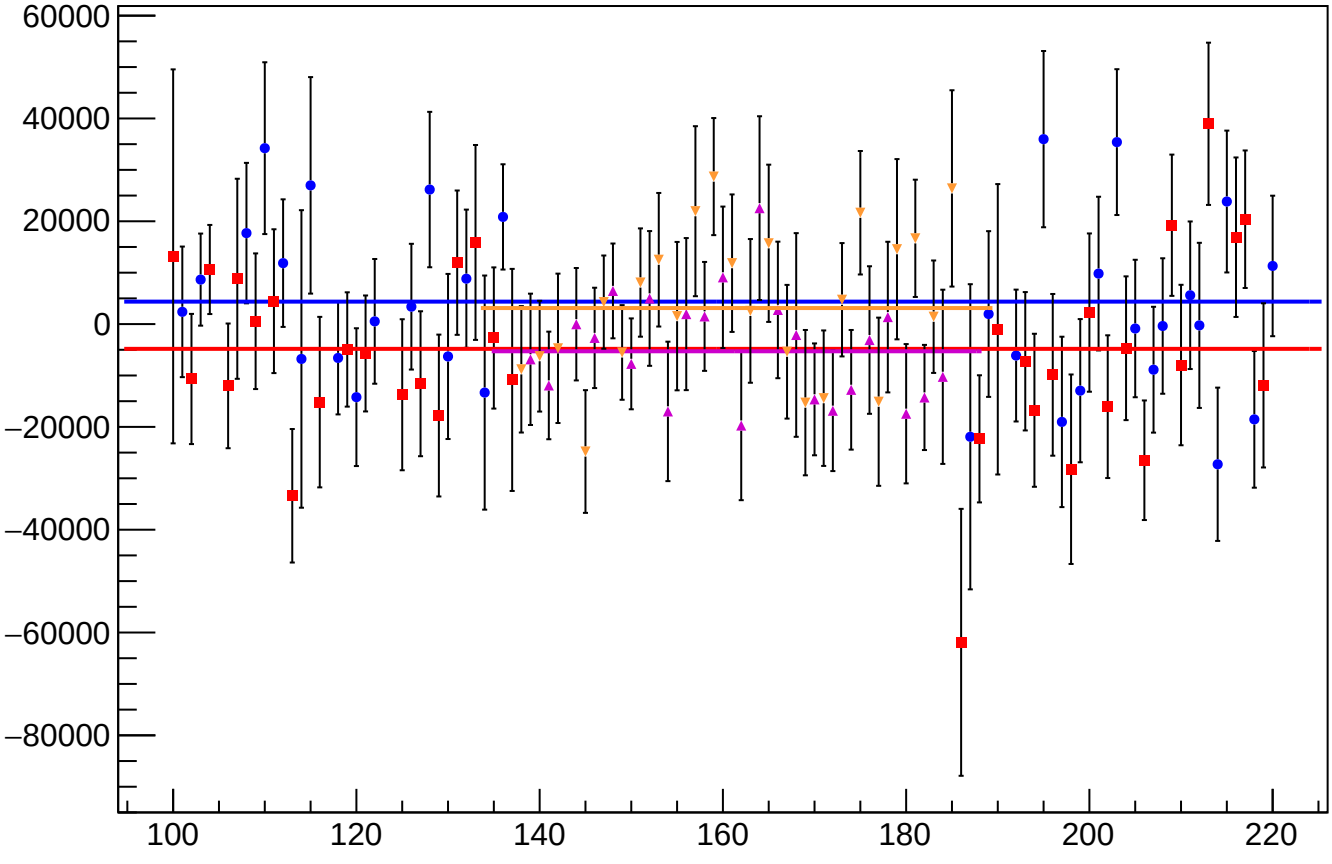
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10777.365+/-1.242 χ^2/NDF: 3215192.6/56

All: 10627.807+/-0.870 χ^2/NDF: 7809852.2/1

- sign 10483.530+/-1.220 χ^2/NDF: 4566163.9/57

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 4368.852+/-2422.809 χ^2/NDF: 39.5/32

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -4817.878+/-2422.519 χ^2/NDF: 44.4/34

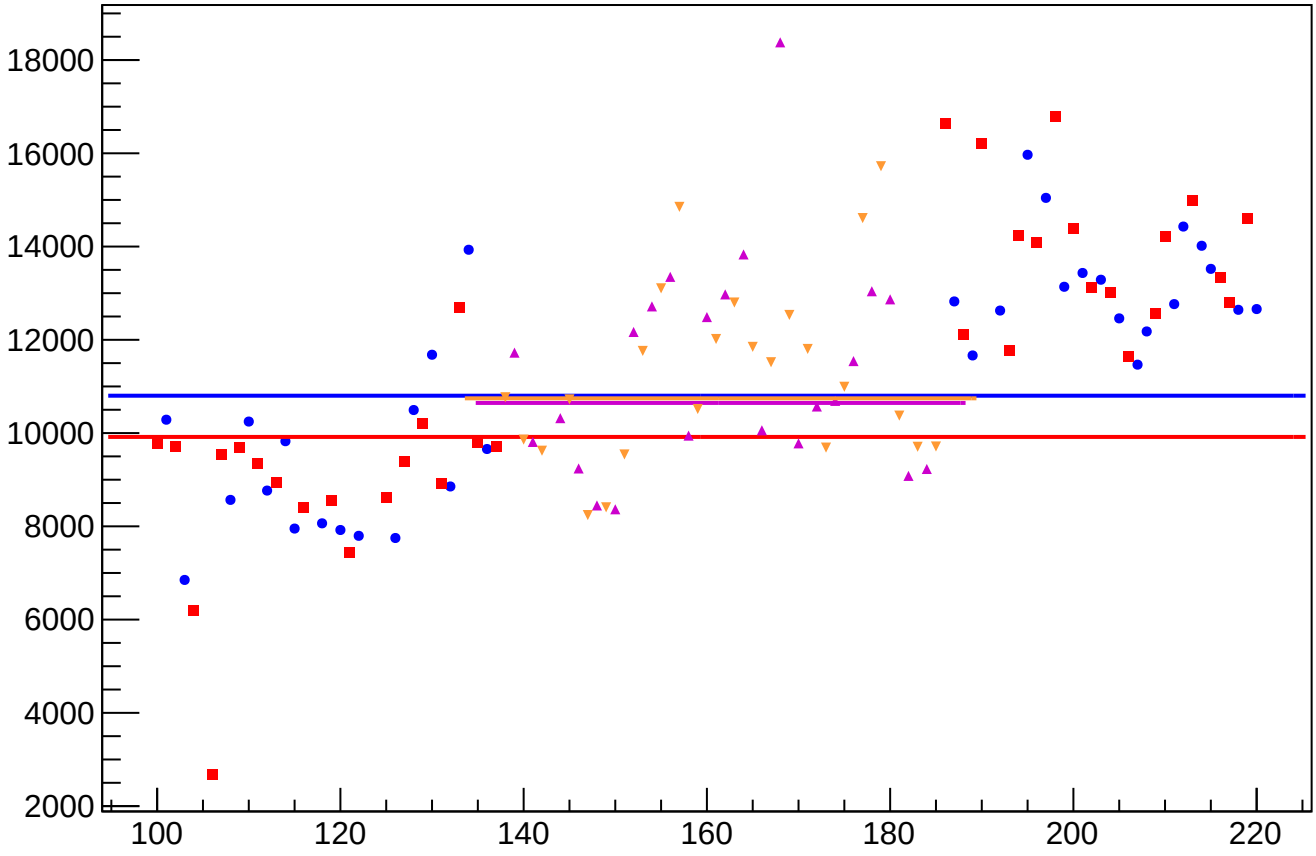
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 3774.200+/-1754.089 χ^2/NDF: 67.1/56

All: -643.224+/-1239.140 χ^2/NDF: 137.5/114

- sign -5043.762+/-1750.733 χ^2/NDF: 57.8/57

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 10801.483+/-1.713 χ^2/NDF: 2108119.8/32

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

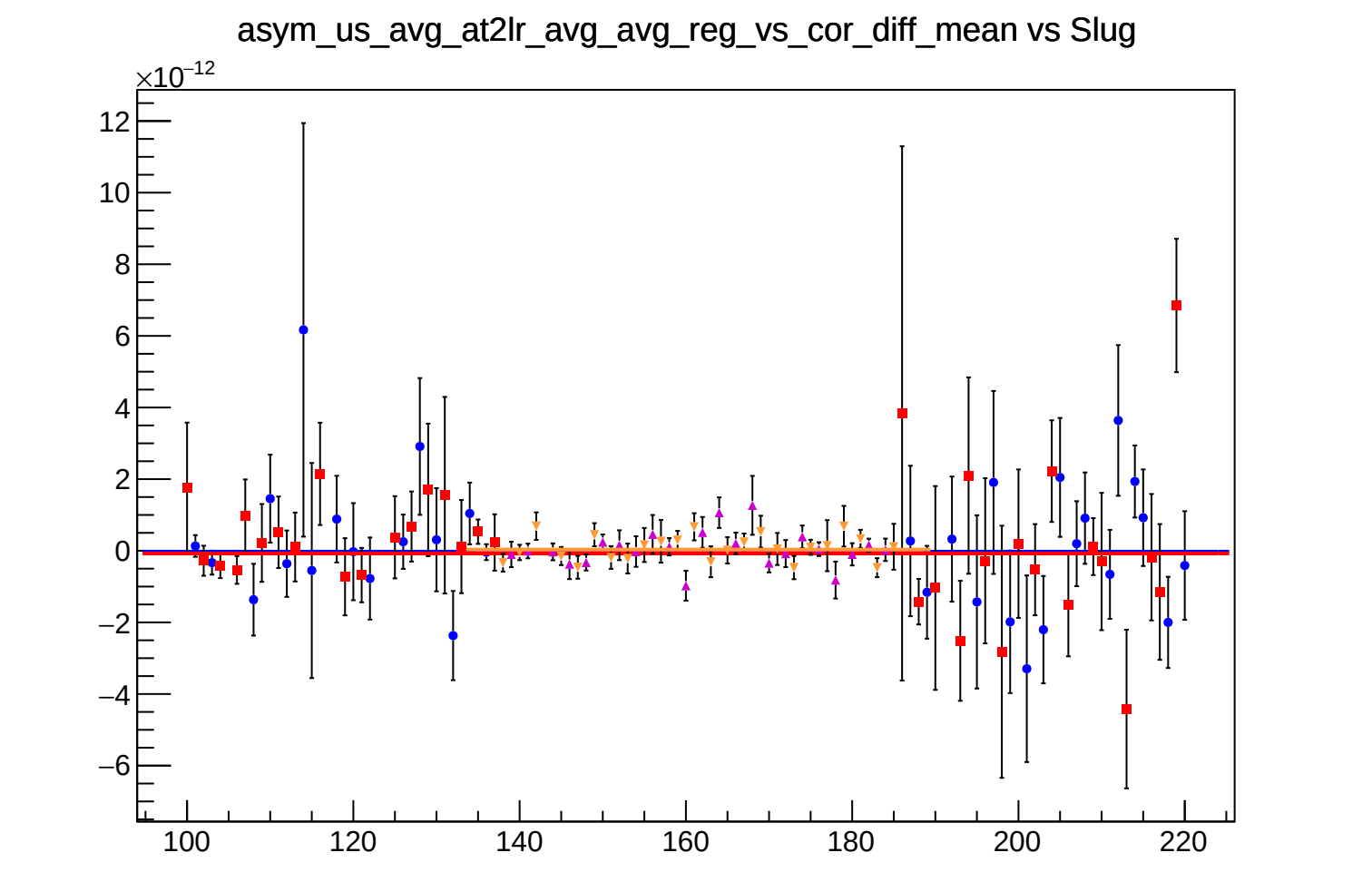
Right Out: 9917.408+/-1.641 χ^2/NDF: 5049657.8/34

Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10774.764+/-1.240 χ^2/NDF: 3073249.2/56

All: 10505.940+/-0.866 χ^2/NDF: 9418725.9/1

- sign 10250.119+/-1.210 χ^2/NDF: 6253799.4/57



Right In: -0.000+/-0.000 χ^2/NDF: 32.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:26.3/23

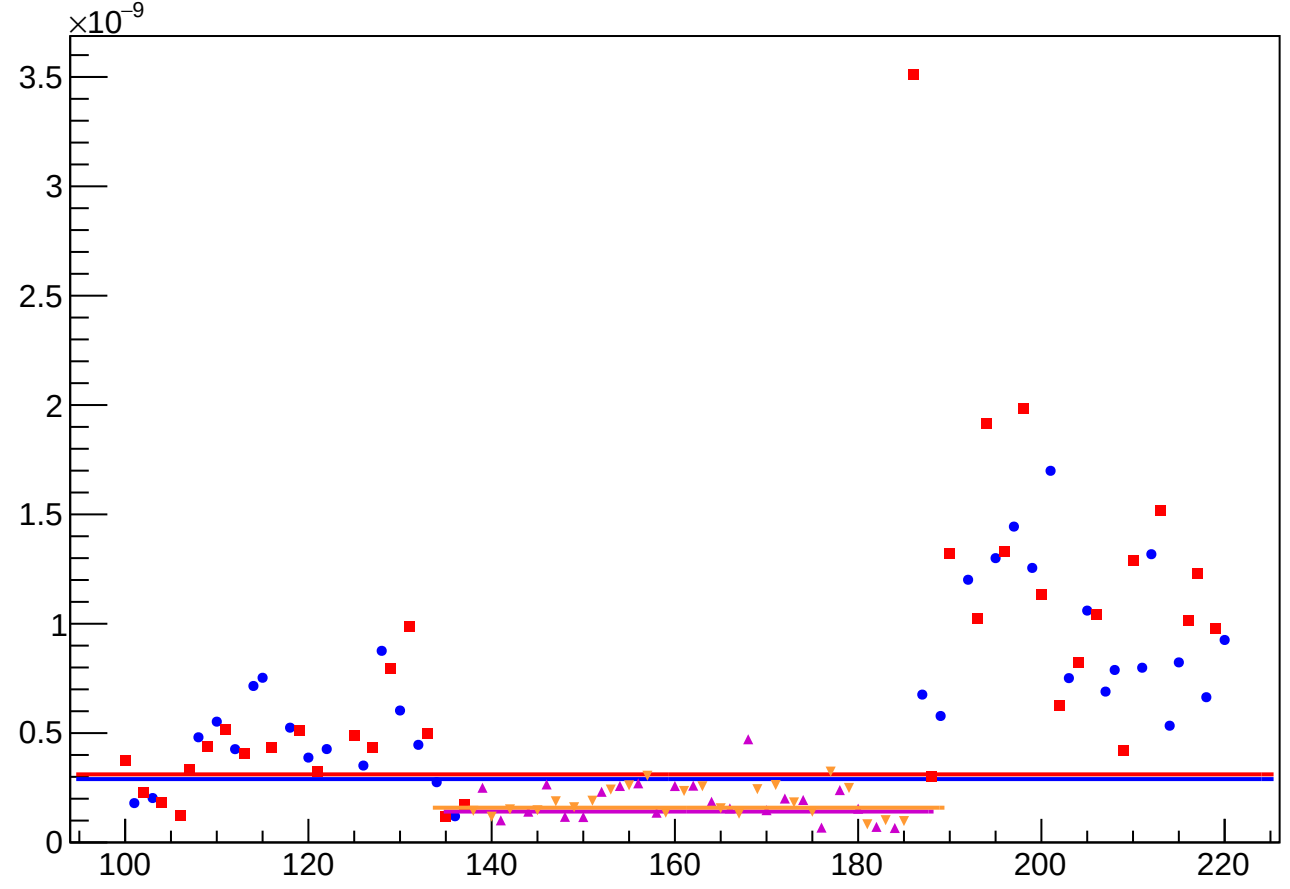
Right Out: -0.000+/-0.000 χ^2/NDF: 44.0/34

Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.3/56

All: 0.000+/-0.000 χ^2/NDF: 131.7/114

- sign 0.000+/-0.000 χ^2/NDF: 72.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 7735996.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

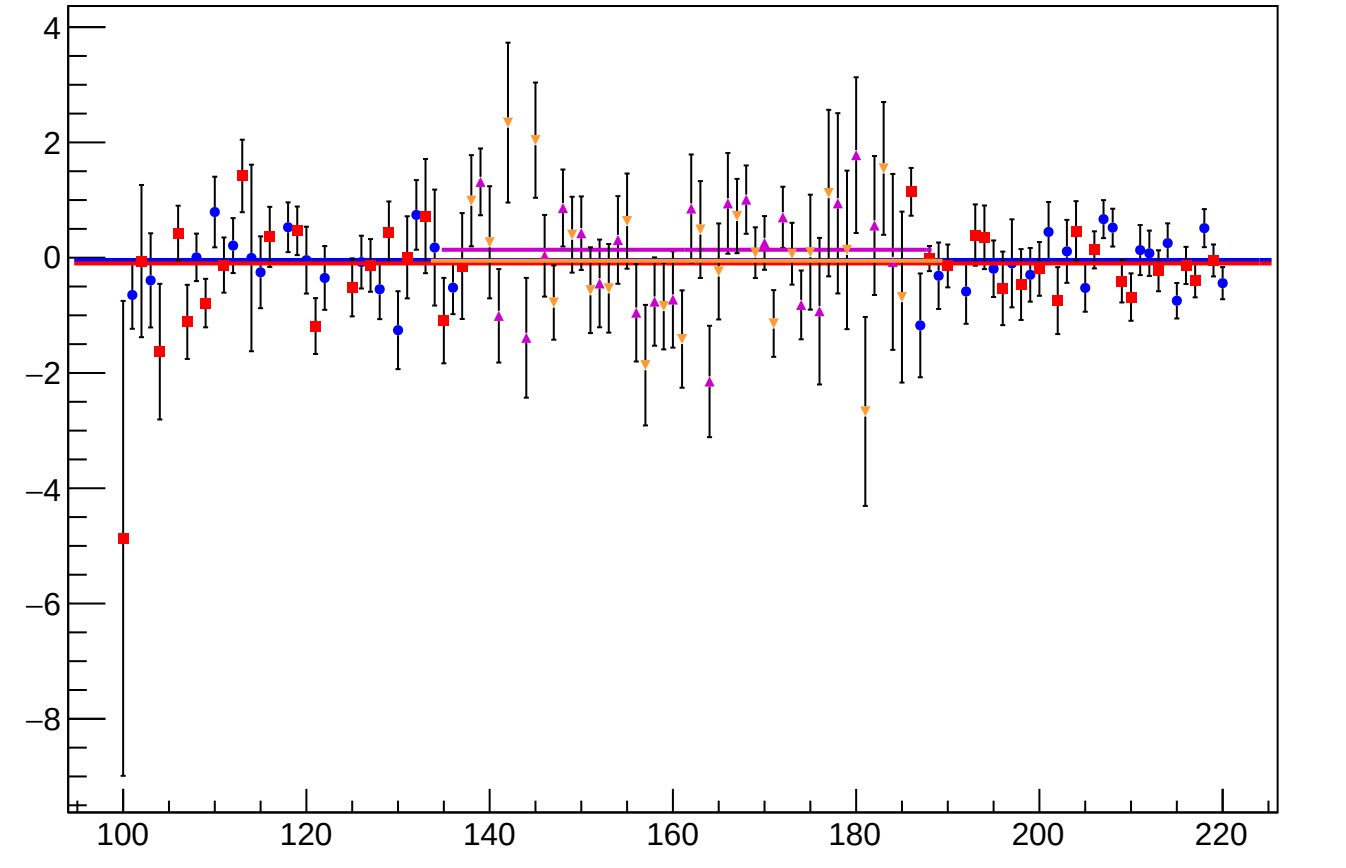
Right Out: 0.000+/-0.000 χ^2/NDF: 8026342.7/34

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10606002.6/56

All: 0.000+/-0.000 χ^2/NDF: 23518000.9/114

- sign 0.000+/-0.000 χ^2/NDF: 12820479.8/57



Right In: -0.039+/-0.081 χ^2/NDF: 36.7/32

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

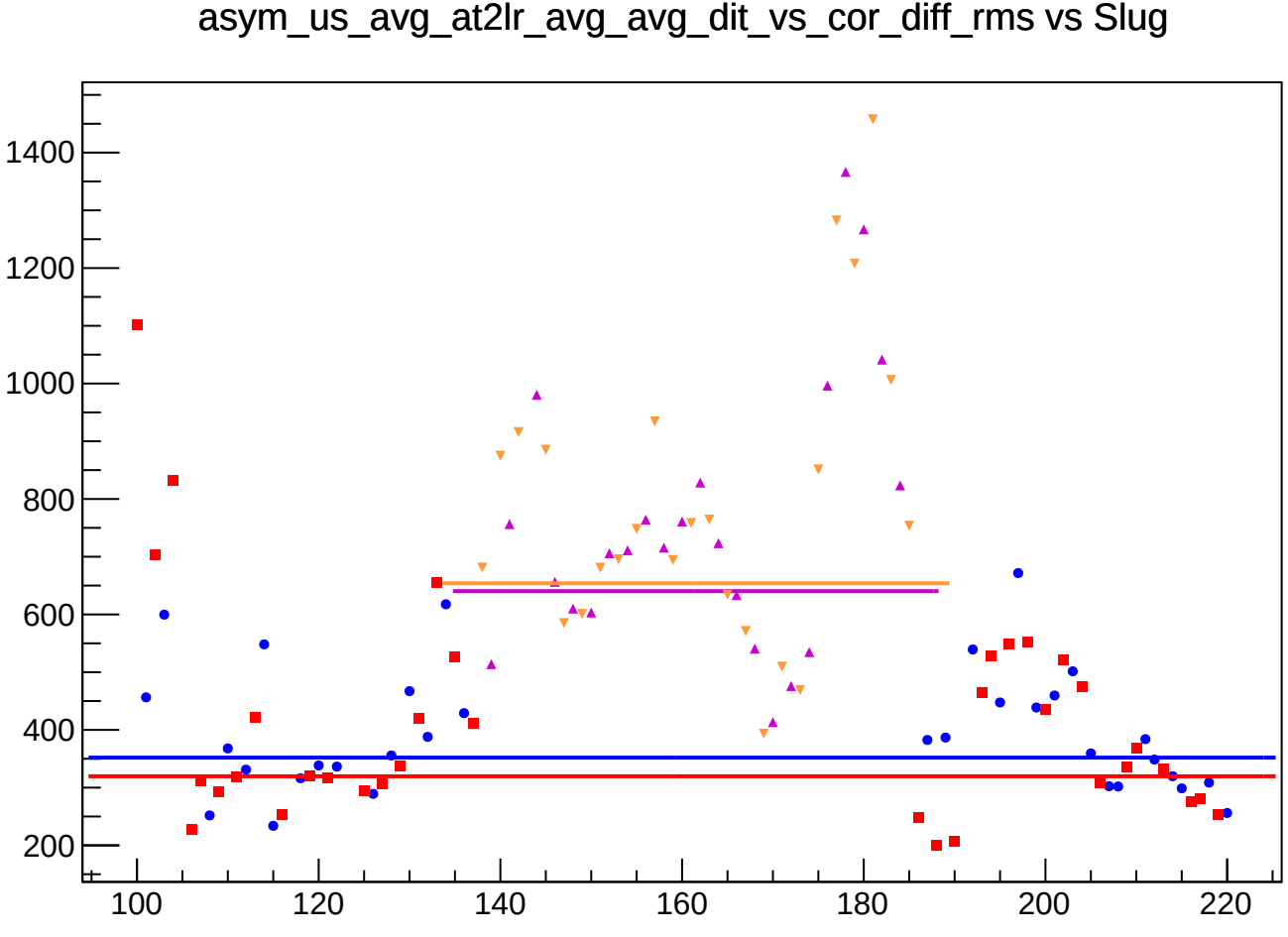
Right Out: -0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

\+ sign -0.042+/-0.072 χ^2/NDF: 66.9/56

All: -0.049+/-0.050 χ^2/NDF: 144.1/114

\- sign -0.055+/-0.068 χ^2/NDF: 77.2/57


asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs Slug
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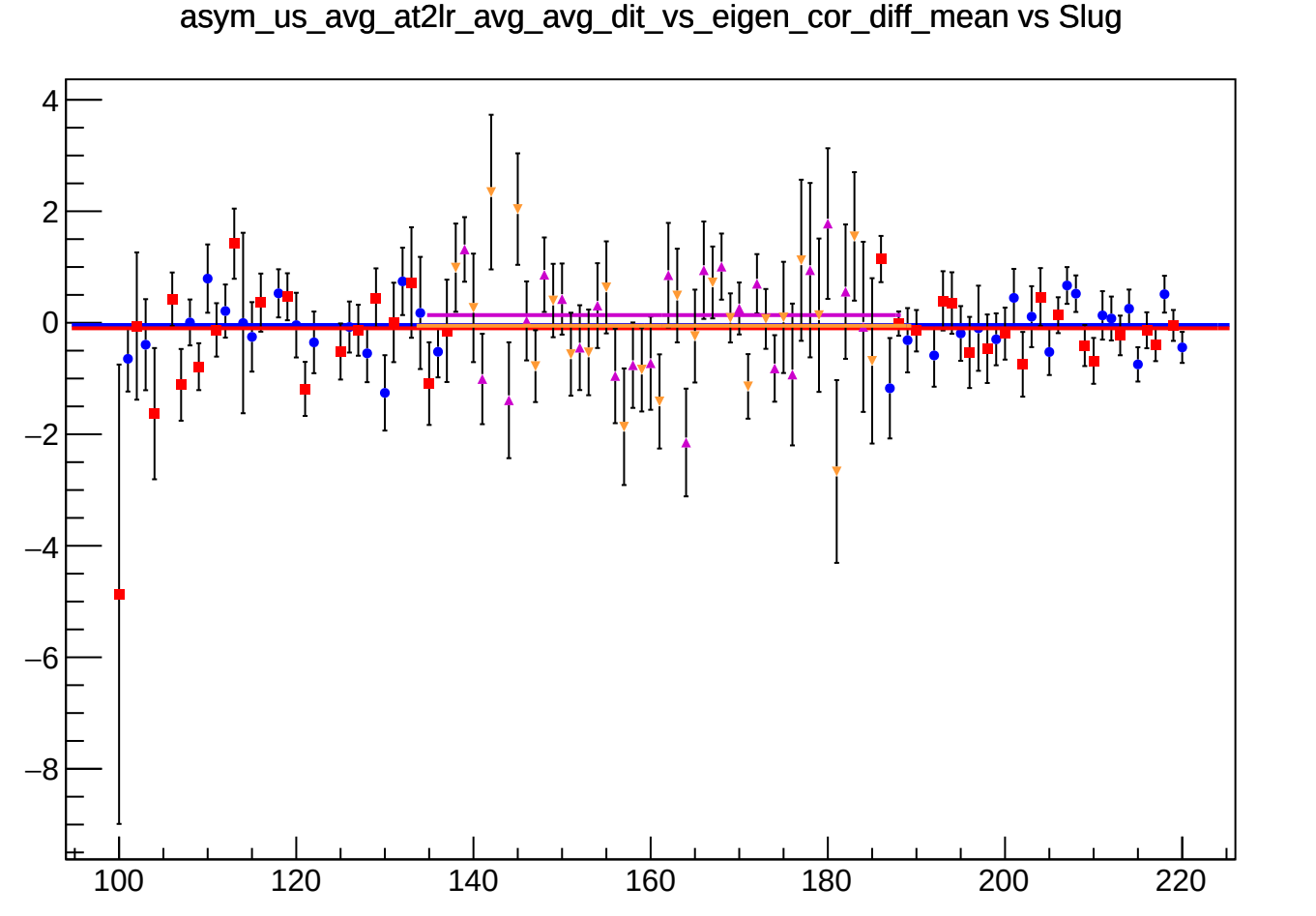
Right In: 351.981+/-0.057 χ²/NDF: 2202284.1/32
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 319.631+/-0.053 χ²/NDF: 3836102.3/34
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 412.514+/-0.051 χ²/NDF: 10928409.2/56
All: 395.079+/-0.035 χ²/NDF: 24348051.6/11
- sign 379.528+/-0.048 χ²/NDF: 13199187.5/57



Right In: -0.039+/-0.081 χ^2/NDF: 36.7/32

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

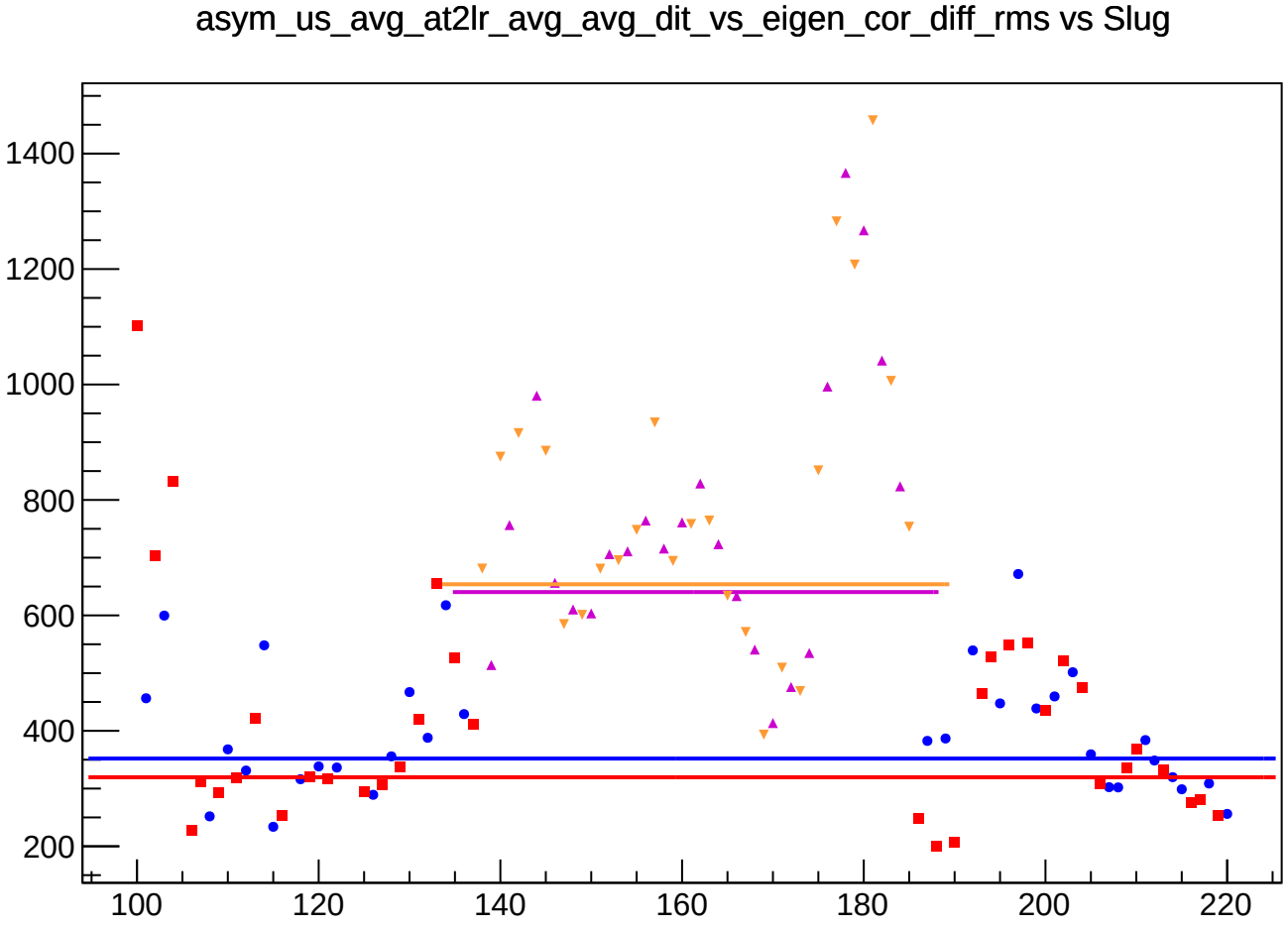
Right Out: -0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

\+ sign -0.042+/-0.072 χ^2/NDF: 66.9/56

All: -0.049+/-0.050 χ^2/NDF: 144.1/114

\- sign -0.055+/-0.068 χ^2/NDF: 77.2/57


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs Slug
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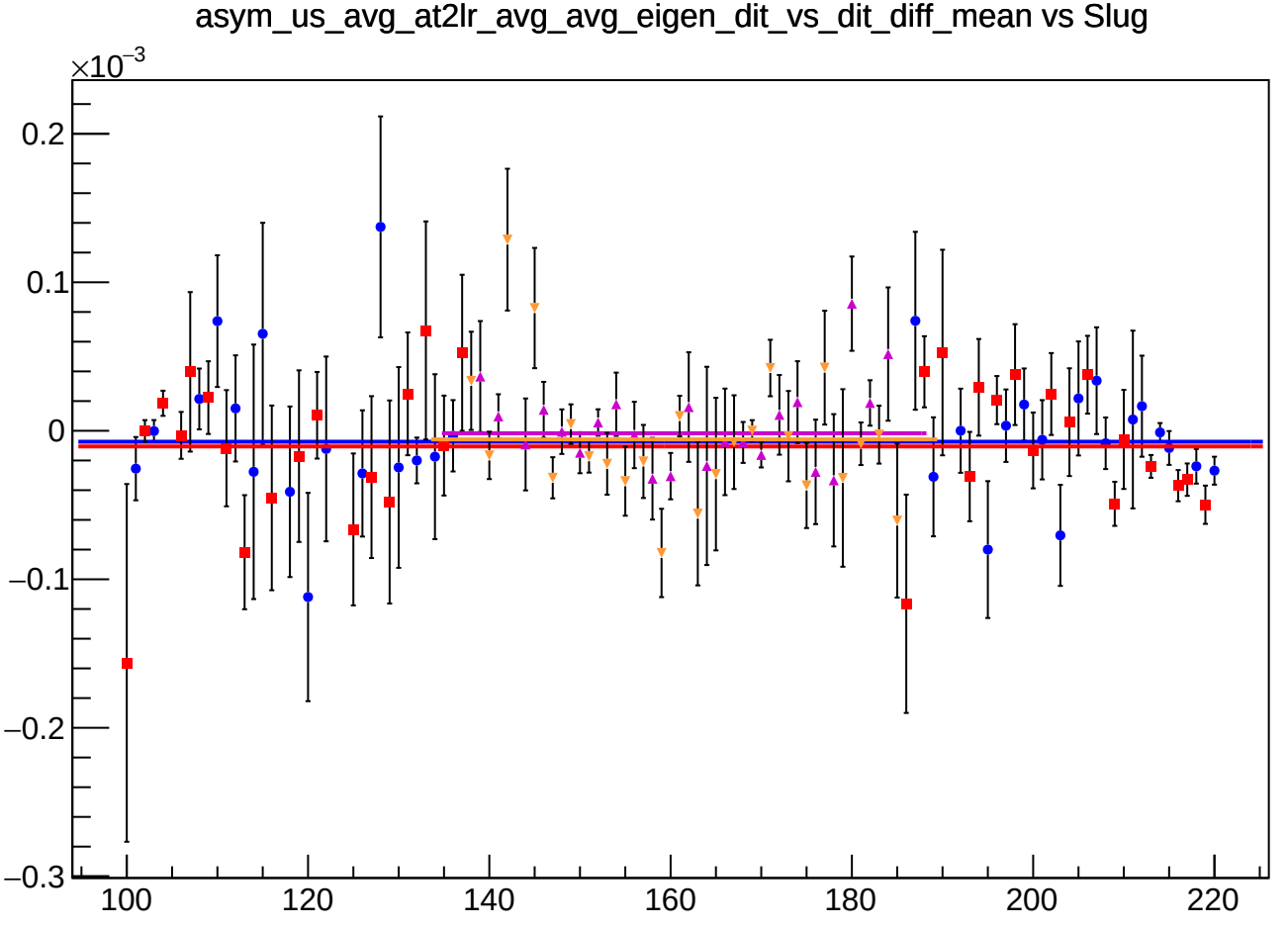
220
Right In: 351.981+/-0.057 χ²/NDF: 2202284.1/32
Left Out: 653.930+/-0.114 χ²/NDF:3124472.6/23
Right Out: 319.631+/-0.053 χ²/NDF: 3836102.3/34
Left In: 640.392+/-0.112 χ²/NDF:2647967.4/22
+ sign 412.514+/-0.051 χ²/NDF: 10928409.2/56
All: 395.079+/-0.035 χ²/NDF: 24348051.6/11
- sign 379.528+/-0.048 χ²/NDF: 13199187.5/57



Right In: -0.000+/-0.000 χ^2/NDF: 35.1/32

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

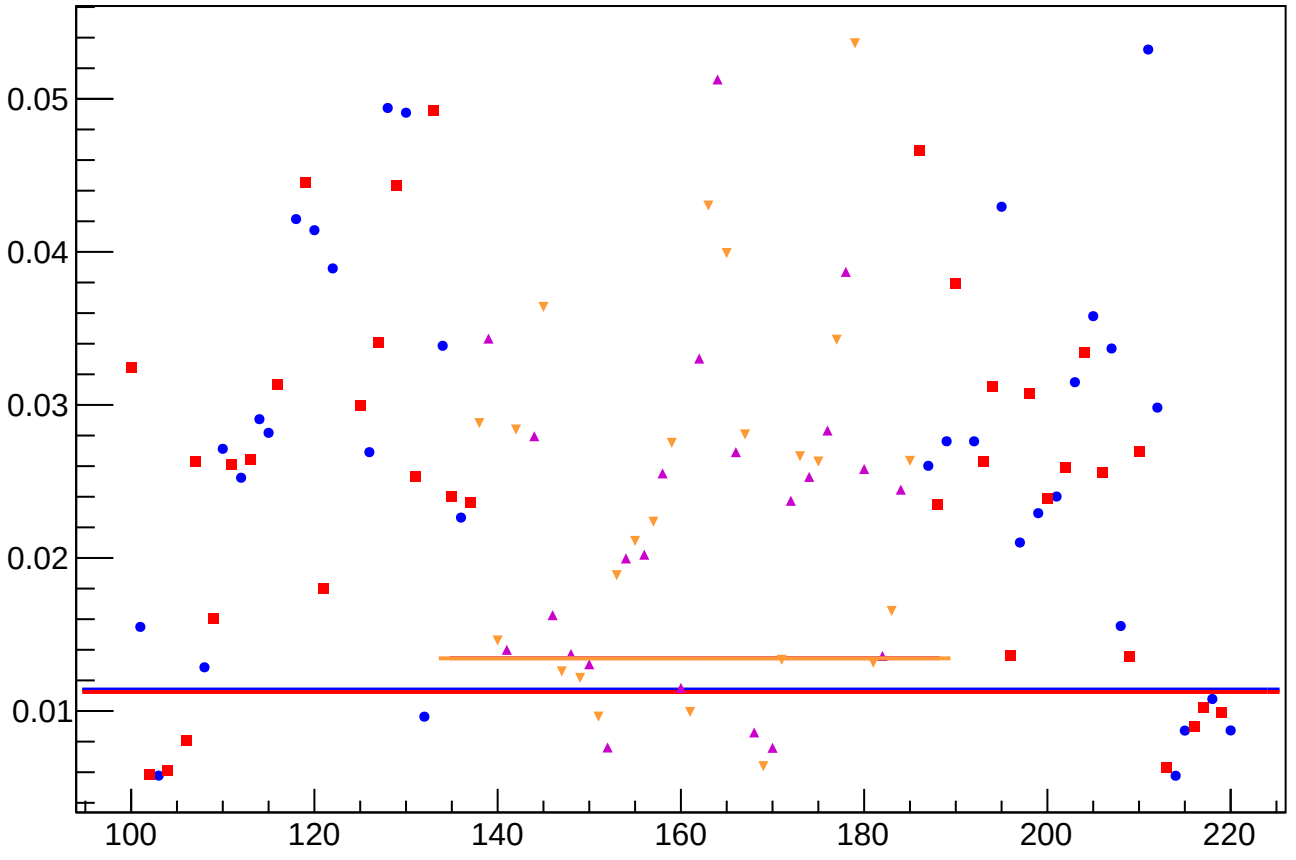
Right Out: -0.000+/-0.000 χ^2/NDF: 77.4/34

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 77.8/56

All: -0.000+/-0.000 χ^2/NDF: 184.1/114

- sign -0.000+/-0.000 χ^2/NDF: 106.3/57



Right In: 0.011+/-0.000 χ^2/NDF: 14551885.7/32

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

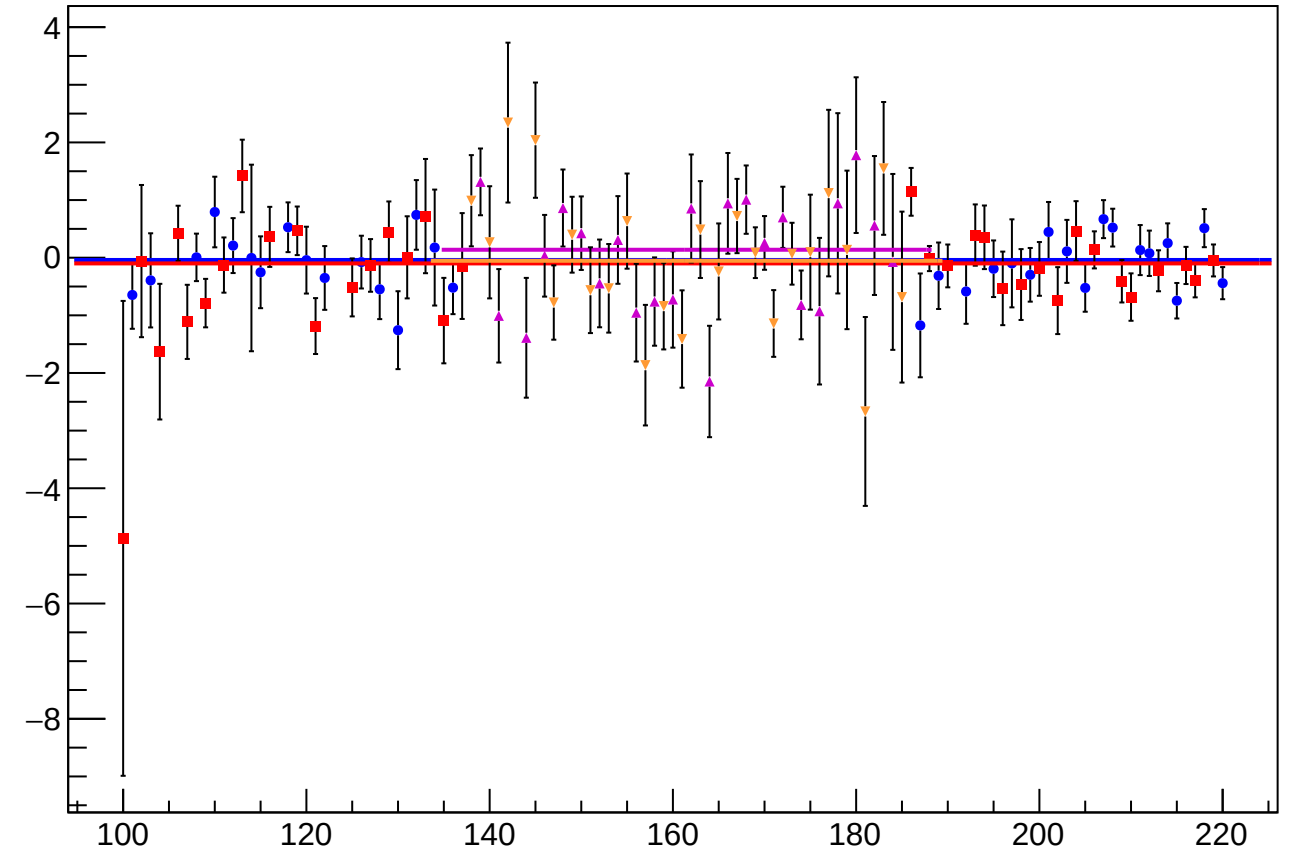
Right Out: 0.011+/-0.000 χ^2/NDF: 13129533.2/34

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.012+/-0.000 χ^2/NDF: 23754890.9/56

All: 0.012+/-0.000 χ^2/NDF: 44852383.2/114

- sign 0.012+/-0.000 χ^2/NDF: 21094672.6/57



Right In: -0.039+/-0.081 χ^2/NDF: 36.7/32

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

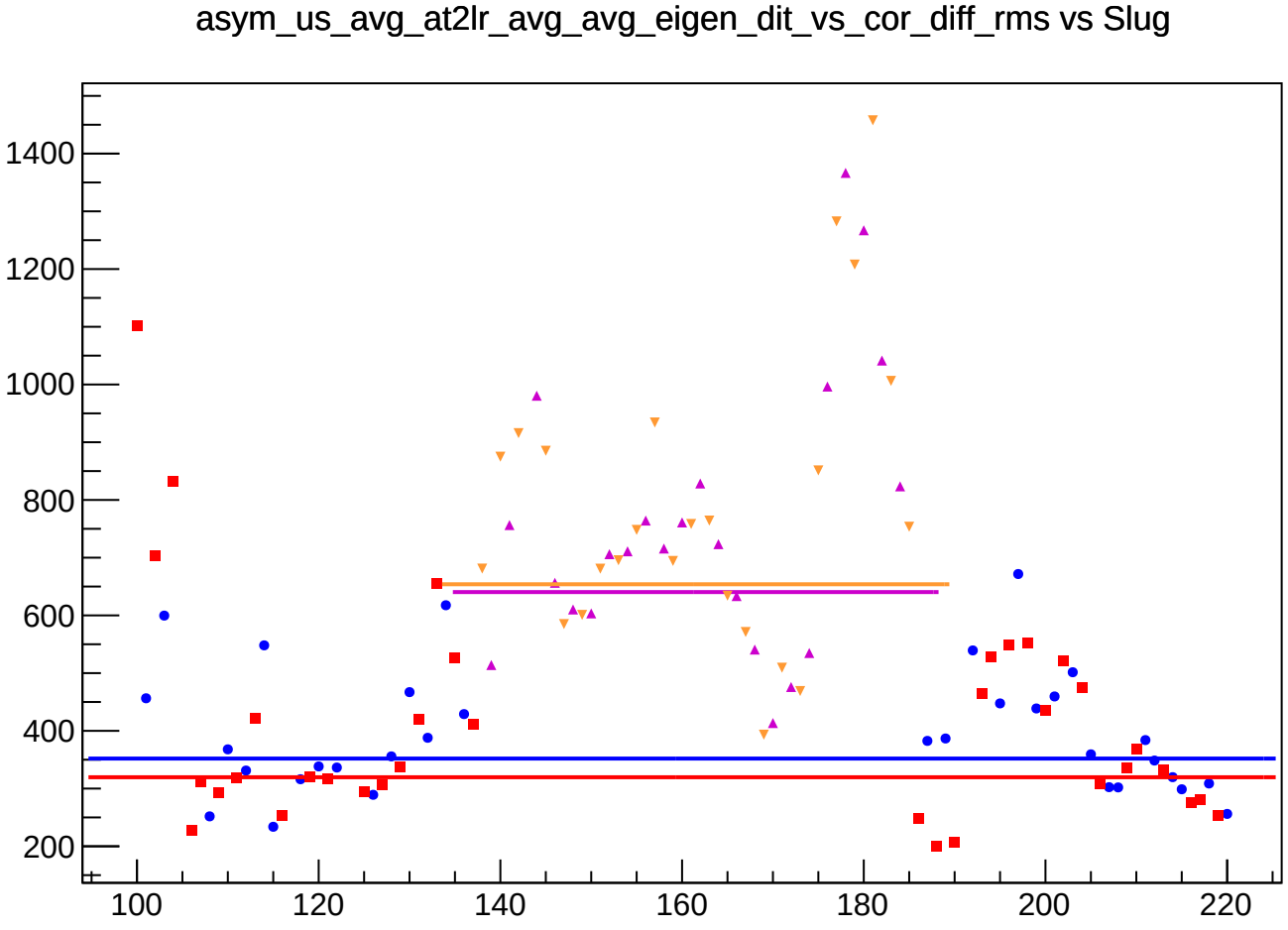
Right Out: -0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.042+/-0.072 χ^2/NDF: 66.9/56

All: -0.049+/-0.050 χ^2/NDF: 144.1/114

- sign -0.055+/-0.068 χ^2/NDF: 77.2/57


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
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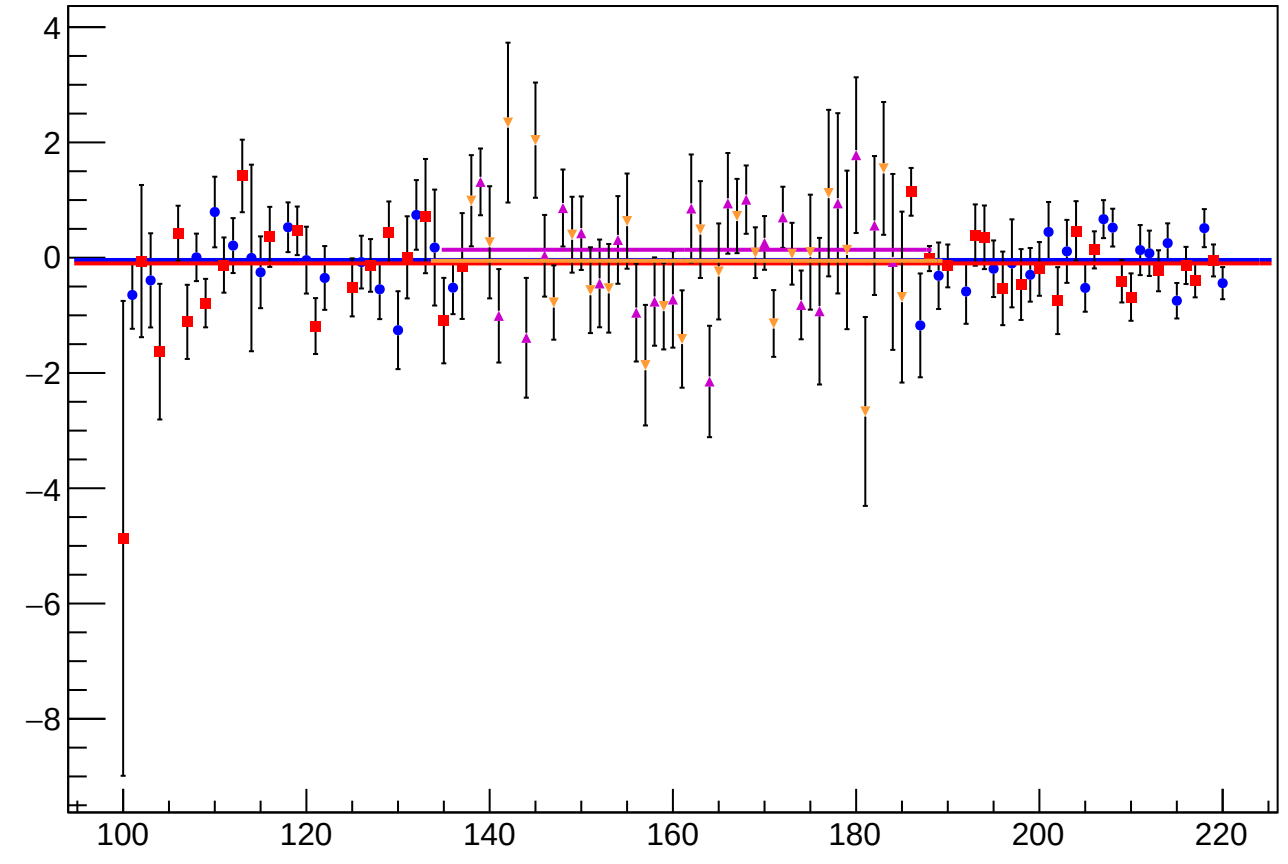
Right In: 351.981+/-0.057 χ²/NDF: 2202276.3/32
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 319.627+/-0.053 χ²/NDF: 3836261.5/34
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 412.514+/-0.051 χ²/NDF: 10928601.4/56
All: 395.077+/-0.035 χ²/NDF: 24348815.9/11
- sign 379.524+/-0.048 χ²/NDF: 13199711.6/57



Right In: -0.039+/-0.081 χ^2/NDF: 36.7/32

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

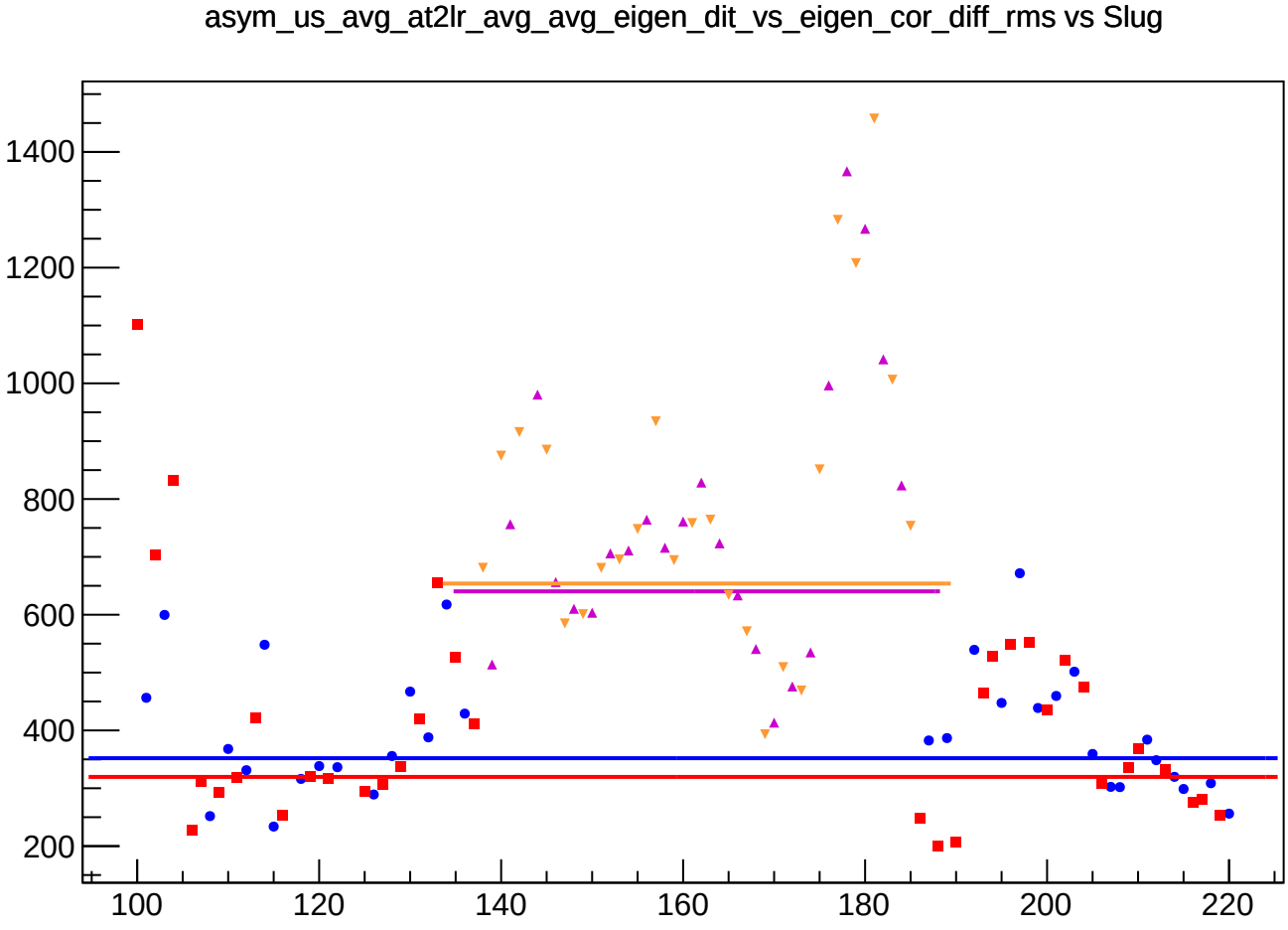
Right Out: -0.099+/-0.076 χ^2/NDF: 45.4/34

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.042+/-0.072 χ^2/NDF: 66.9/56

All: -0.049+/-0.050 χ^2/NDF: 144.1/114

- sign -0.055+/-0.068 χ^2/NDF: 77.2/57


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
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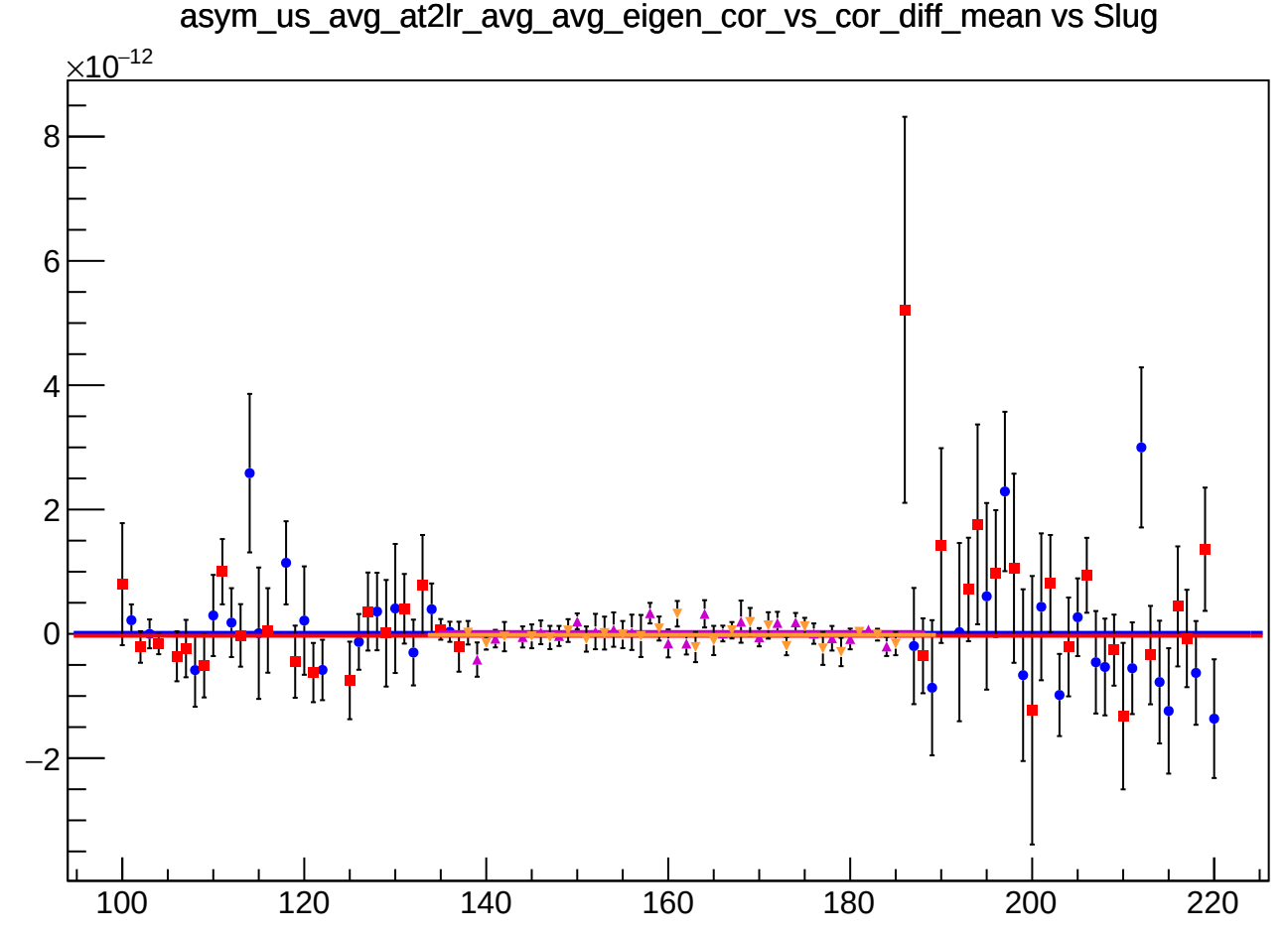
Right In: 351.981+/-0.057 χ²/NDF: 2202276.3/32
Left Out: 653.930+/-0.114 χ²/NDF:3124692.9/23
Right Out: 319.627+/-0.053 χ²/NDF: 3836261.5/34
Left In: 640.395+/-0.112 χ²/NDF:2648118.2/22
+ sign 412.514+/-0.051 χ²/NDF: 10928601.4/56
All: 395.077+/-0.035 χ²/NDF: 24348815.9/11
- sign 379.524+/-0.048 χ²/NDF: 13199711.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 30.7/32

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/34

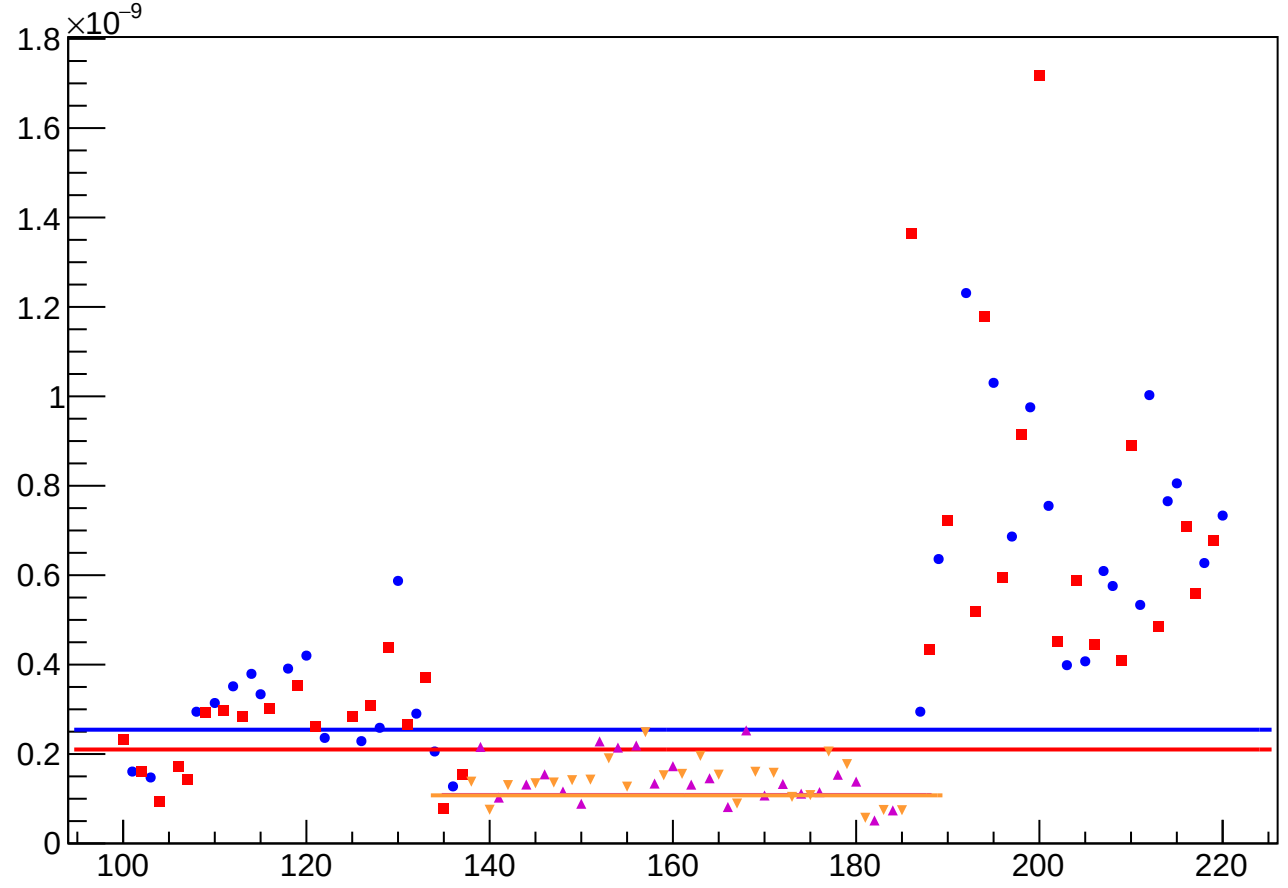
Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.9/56

All: 0.000+/-0.000 χ^2/NDF: 91.6/114

- sign 0.000+/-0.000 χ^2/NDF: 47.1/57

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9211198.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9947758.0/34

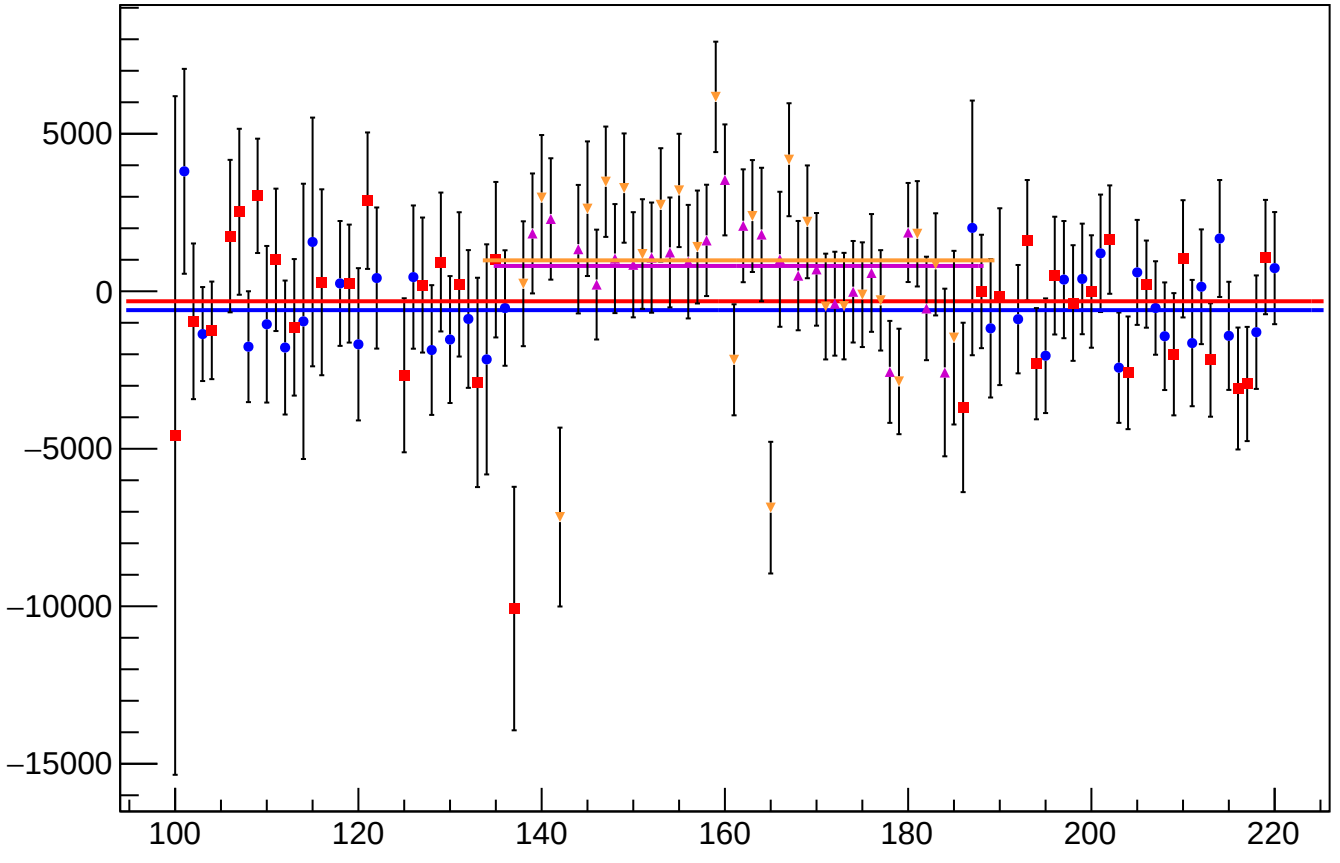
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17483072.8/56

All: 0.000+/-0.000 χ^2/NDF: 34099872.7/114

- sign 0.000+/-0.000 χ^2/NDF: 16612535.0/57

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -598.853+/-346.179 χ^2/NDF: 12.2/32

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -317.276+/-346.939 χ^2/NDF: 31.5/34

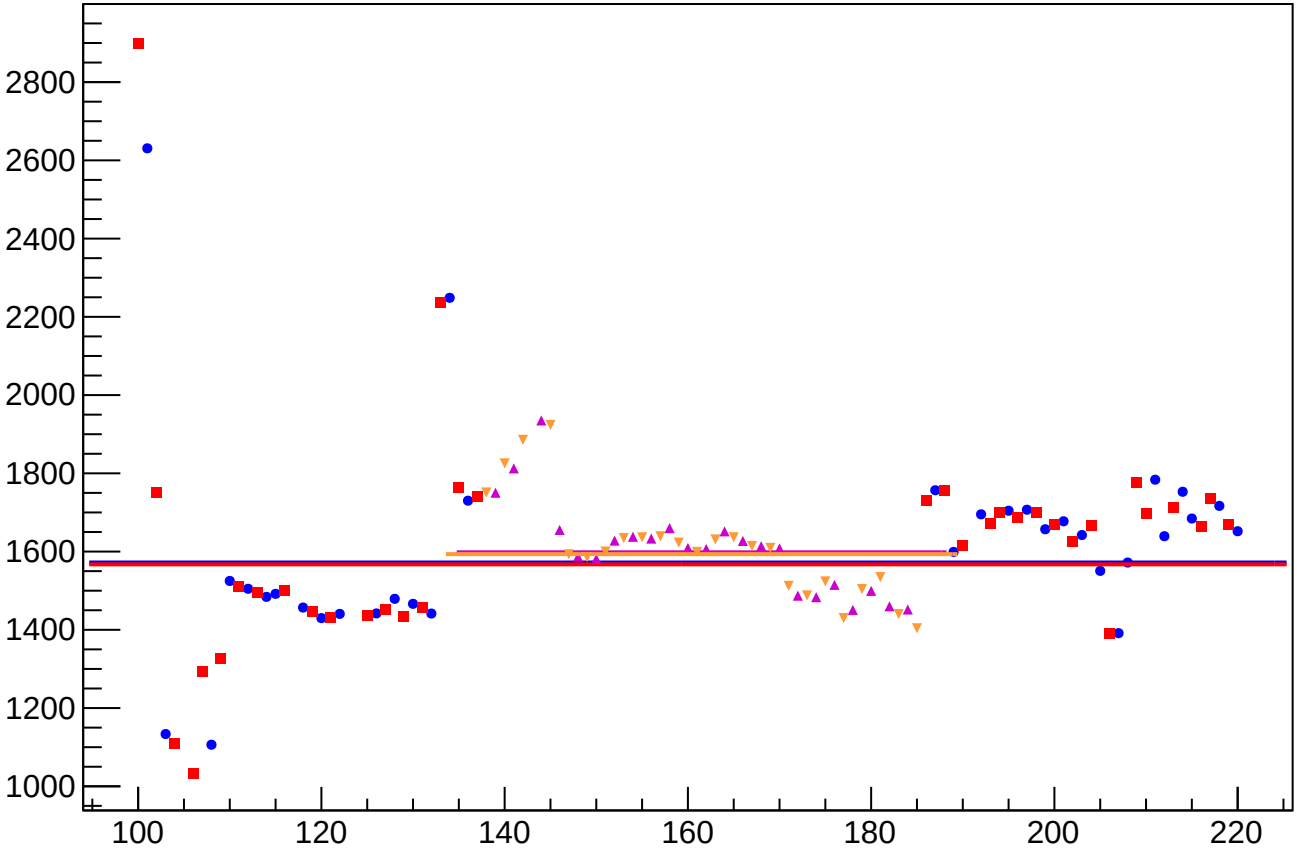
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

+ sign 137.086+/-253.056 χ^2/NDF: 77.4/56

All: 168.973+/-179.401 χ^2/NDF: 126.3/114

- sign 201.193+/-254.373 χ^2/NDF: 48.8/57

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1572.063+/-0.245 χ^2/NDF: 805972.7/32

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

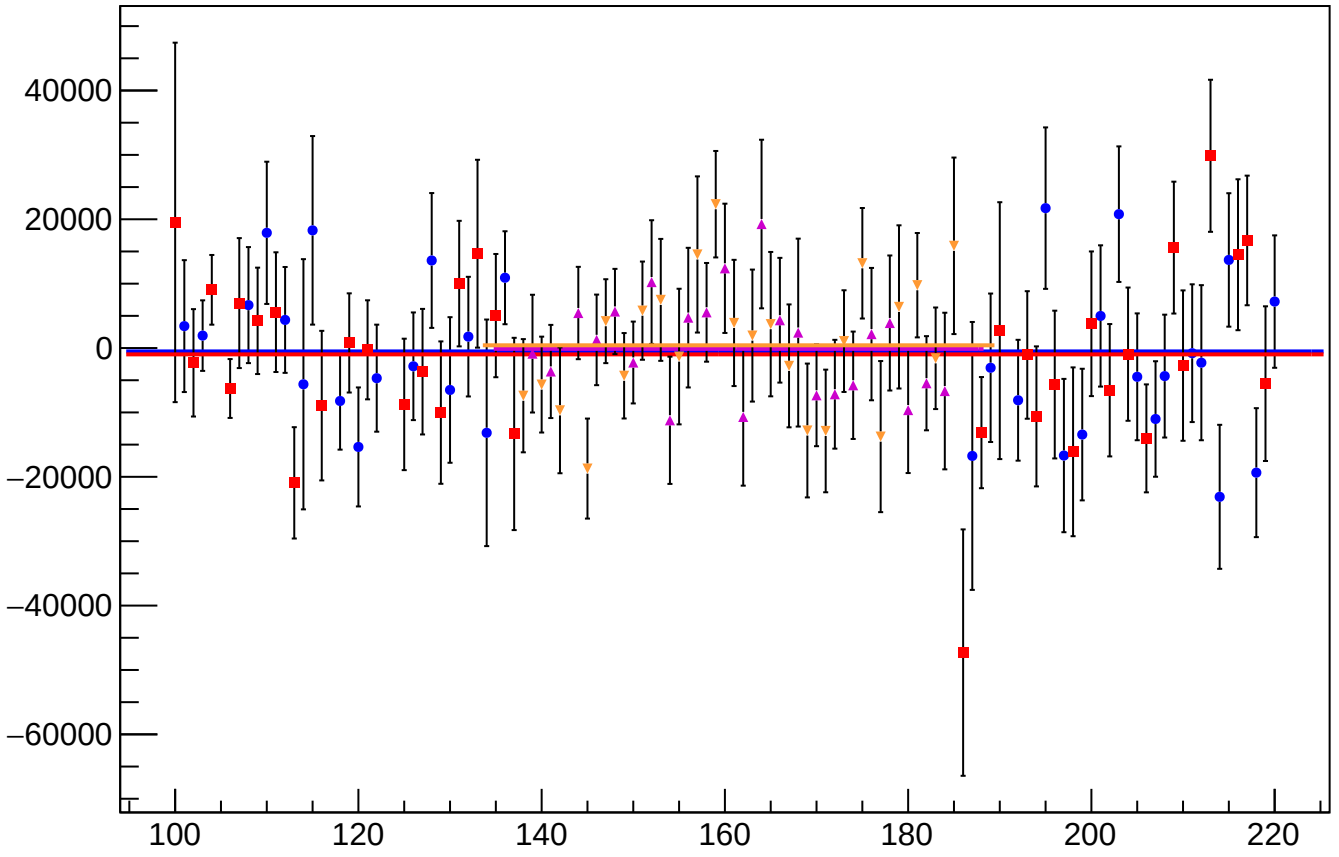
Right Out: 1567.373+/-0.245 χ^2/NDF: 729359.7/34

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1582.036+/-0.179 χ^2/NDF: 997151.7/56

All: 1581.792+/-0.127 χ^2/NDF: 1902956.3/11

- sign 1581.545+/-0.180 χ^2/NDF: 905800.9/57



Right In: -524.275+/-1709.994 χ^2/NDF: 39.0/32

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

Right Out: -981.711+/-1607.609 χ^2/NDF: 45.0/34

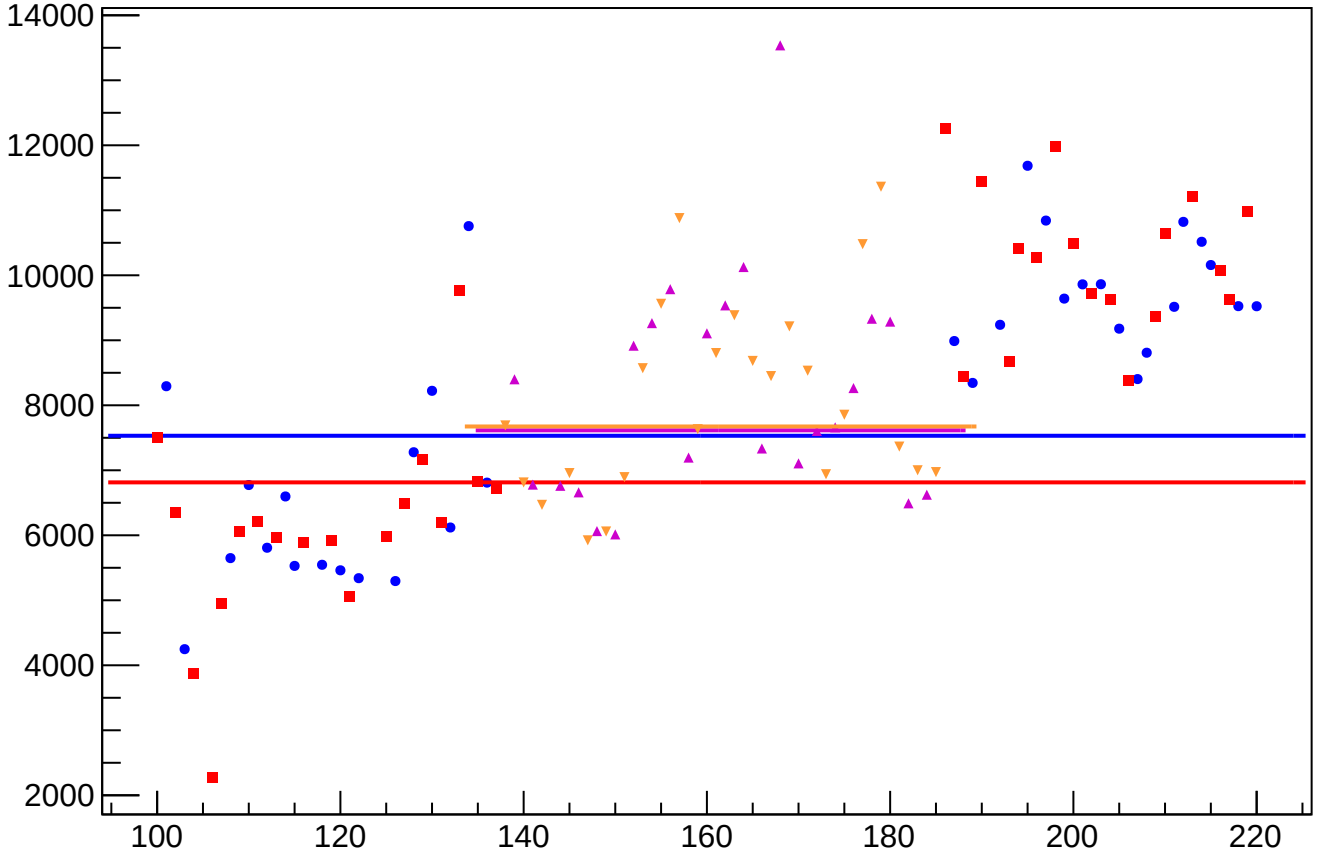
Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign -78.362+/-1246.185 χ^2/NDF: 68.5/56

All: -351.213+/-865.654 χ^2/NDF: 127.6/114

- sign -605.640+/-1203.375 χ^2/NDF: 59.0/57

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs Slug



Right In: 7531.136+/-1.209 χ^2/NDF: 3105599.4/32

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6813.983+/-1.137 χ^2/NDF: 5818082.2/34

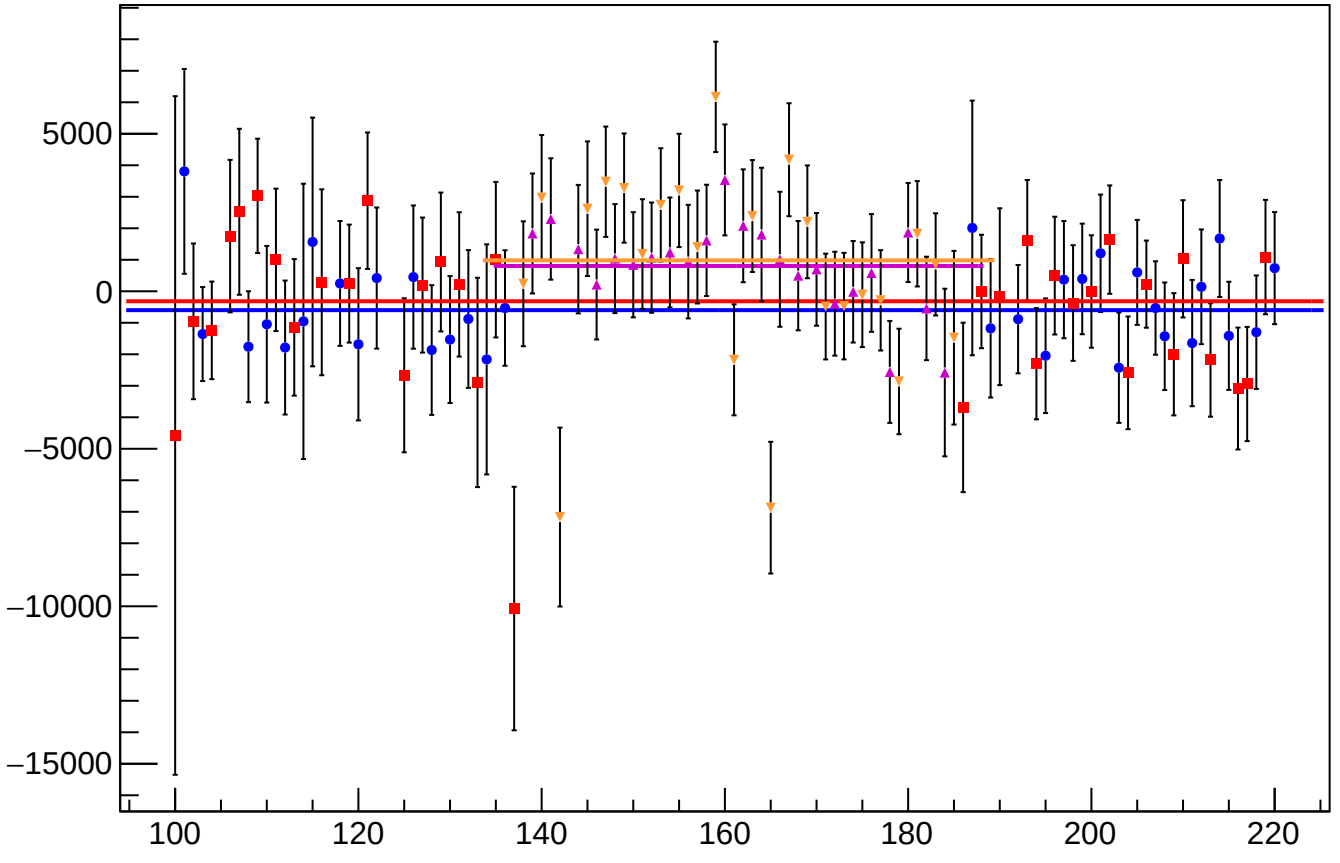
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

\+ sign 7598.153+/-0.881 χ^2/NDF: 4188864.4/56

All: 7374.608+/-0.612 χ^2/NDF: 11574136.0/1

\- sign 7166.157+/-0.851 χ^2/NDF: 7260902.9/57

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -598.882+/-346.179 χ^2/NDF: 12.2/32

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -317.295+/-346.939 χ^2/NDF: 31.5/34

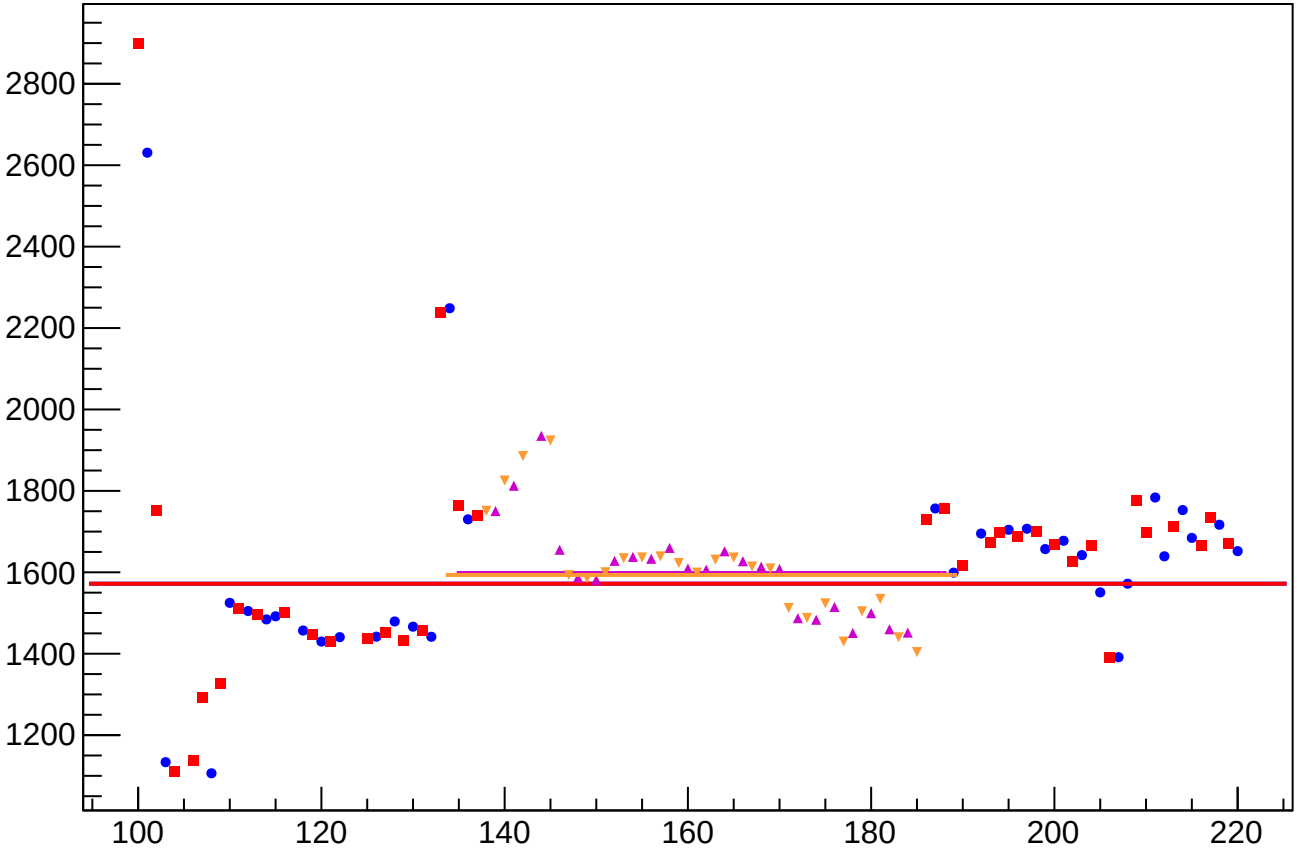
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 137.111+/-253.056 χ^2/NDF: 77.4/56

All: 168.952+/-179.401 χ^2/NDF: 126.3/114

- sign 201.125+/-254.373 χ^2/NDF: 48.8/57

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1572.063+/-0.245 χ^2/NDF: 805973.2/32

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

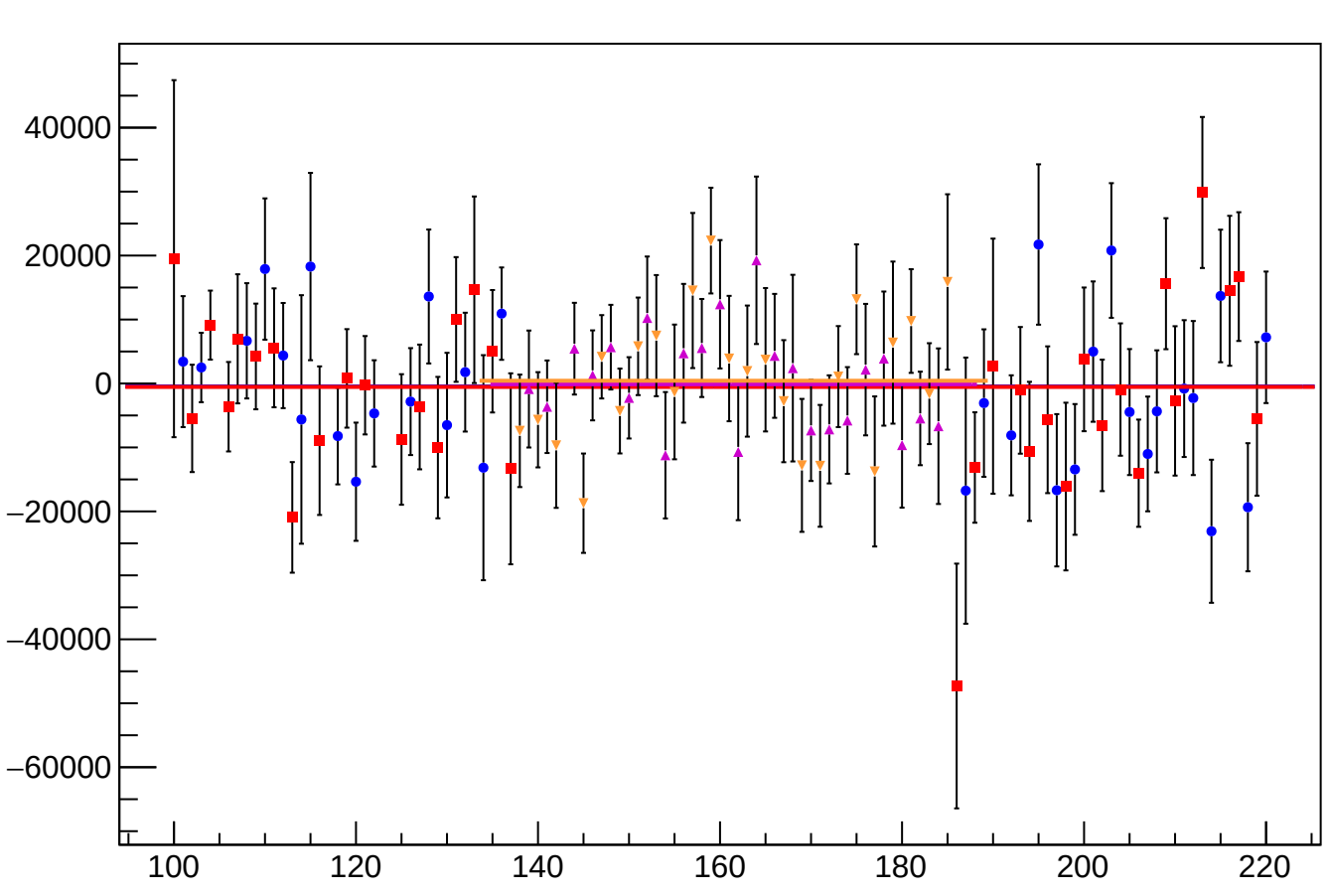
Right Out: 1571.897+/-0.245 χ^2/NDF: 672235.7/34

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1582.036+/-0.179 χ^2/NDF: 997152.1/56

All: 1583.019+/-0.127 χ^2/NDF: 1843893.8/11

- sign 1584.011+/-0.180 χ^2/NDF: 846681.1/57



Right In: -462.851+/-1708.377 χ^2/NDF: 39.1/32

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

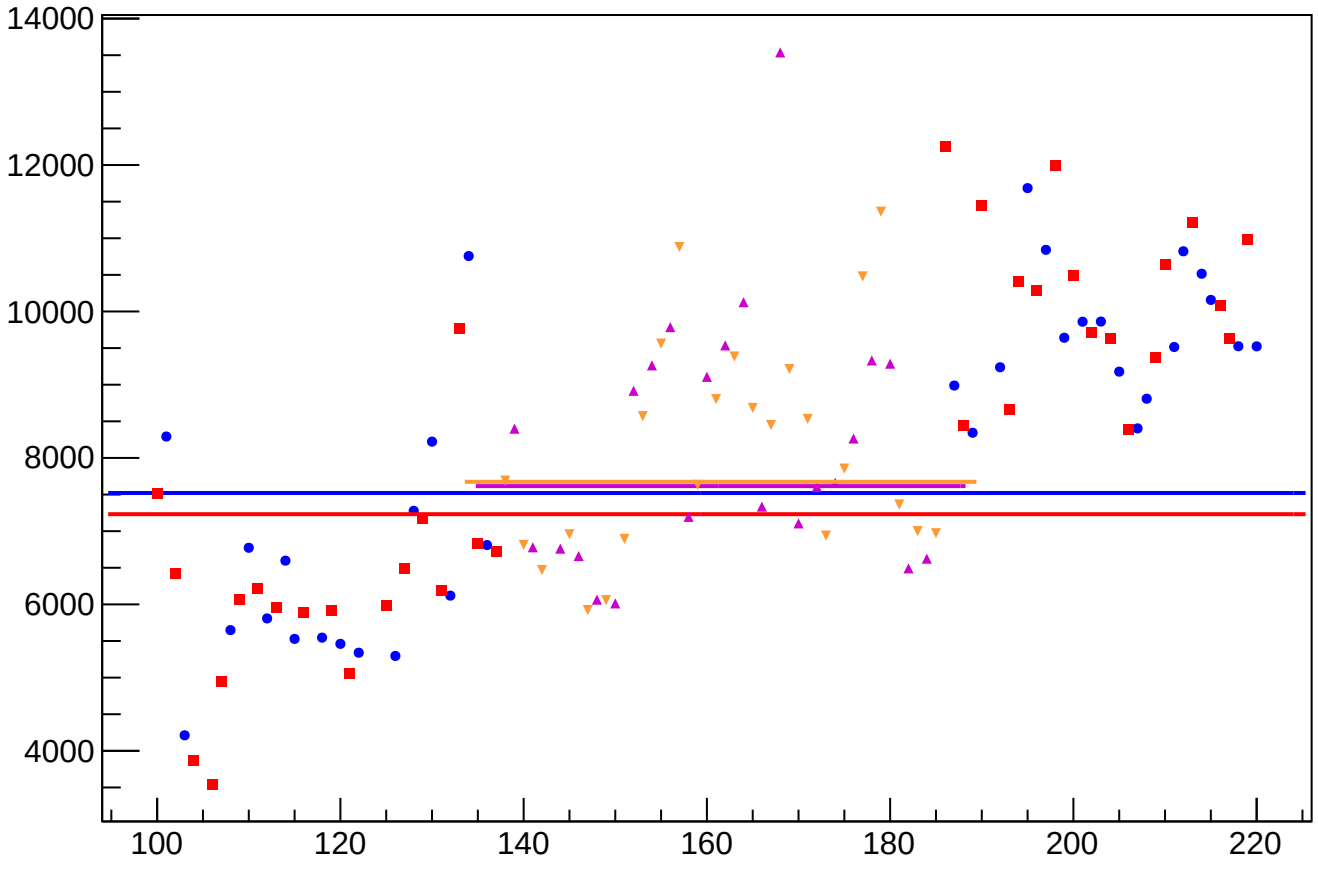
Right Out: -536.536+/-1667.621 χ^2/NDF: 44.1/34

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign -46.159+/-1245.559 χ^2/NDF: 68.6/56

All: -199.617+/-874.446 χ^2/NDF: 126.6/114

- sign -348.763+/-1227.935 χ^2/NDF: 58.0/57



Right In: 7521.382+/-1.208 χ^2/NDF: 3135467.5/32

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

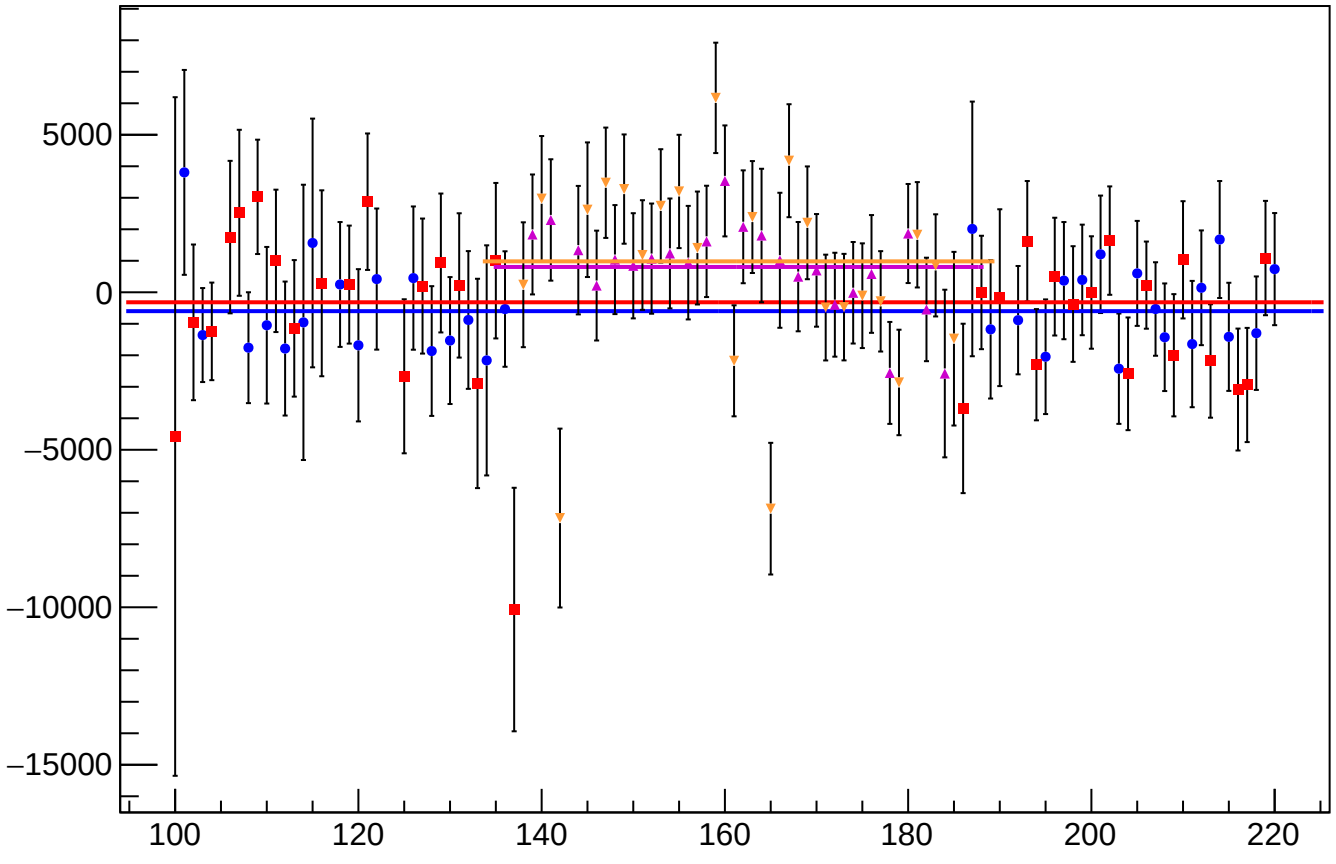
Right Out: 7231.800+/-1.179 χ^2/NDF: 4163795.0/34

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7592.902+/-0.881 χ^2/NDF: 4219663.1/56

All: 7498.735+/-0.618 χ^2/NDF: 9678862.8/11

- sign 7407.214+/-0.868 χ^2/NDF: 5436658.2/57



Right In: -598.882+/-346.179 χ^2/NDF: 12.2/32

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

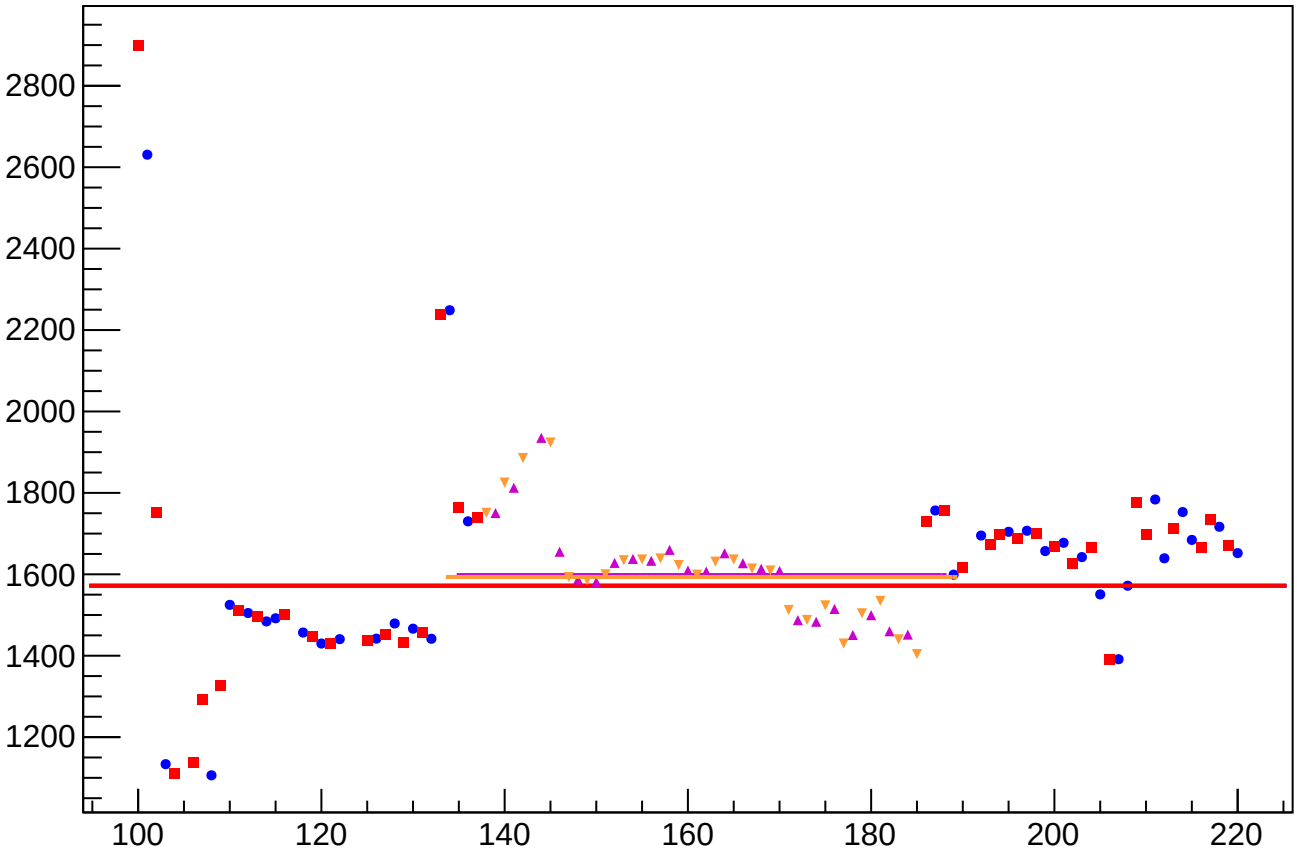
Right Out: -317.295+/-346.939 χ^2/NDF: 31.5/34

Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 137.111+/-253.056 χ^2/NDF: 77.4/56

All: 168.952+/-179.401 χ^2/NDF: 126.3/114

\- sign 201.125+/-254.373 χ^2/NDF: 48.8/57



Right In: 1572.063+/-0.245 χ^2/NDF: 805973.2/32

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

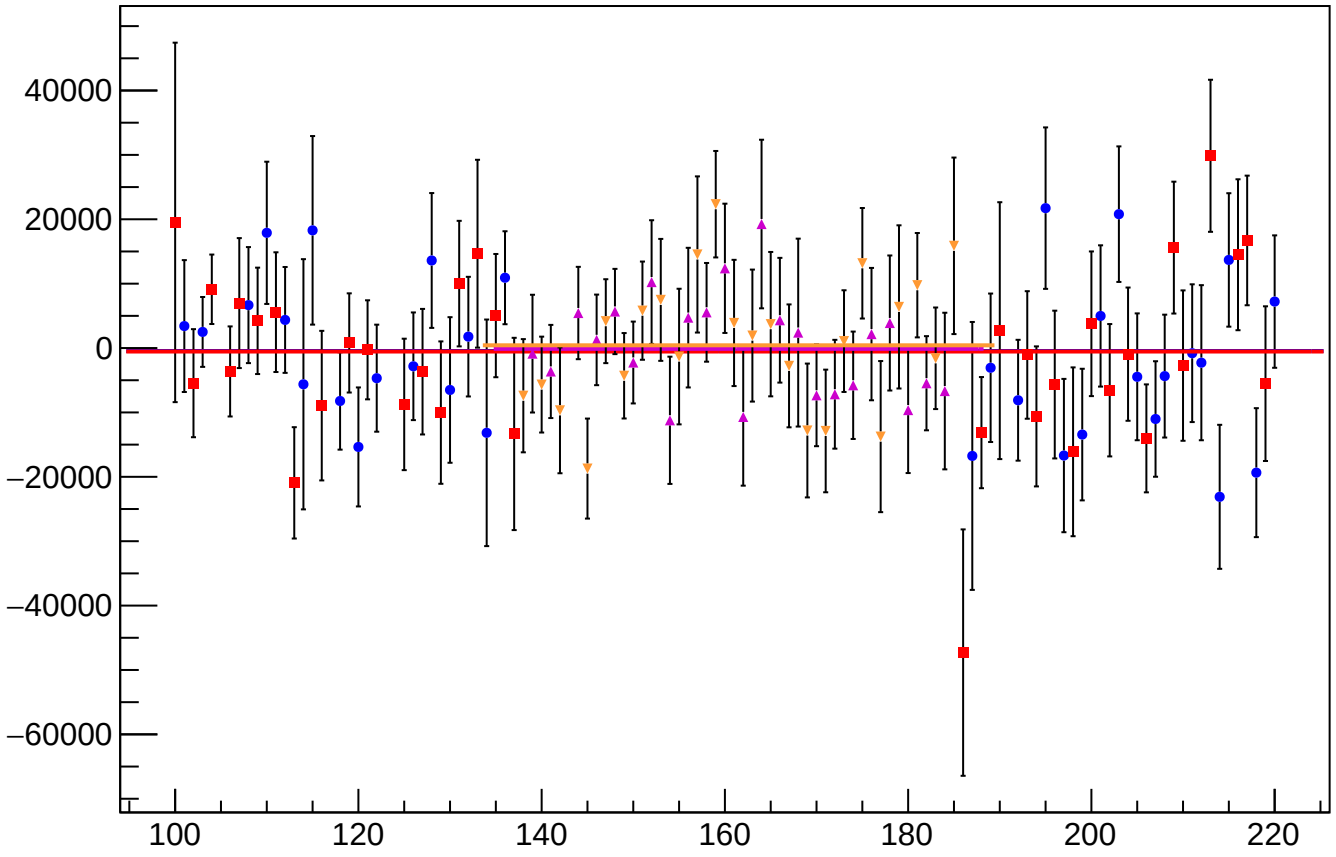
Right Out: 1571.897+/-0.245 χ^2/NDF: 672235.7/34

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1582.036+/-0.179 χ^2/NDF: 997152.1/56

All: 1583.019+/-0.127 χ^2/NDF: 1843893.8/11

- sign 1584.011+/-0.180 χ^2/NDF: 846681.1/57



Right In: -462.851+/-1708.377 χ^2/NDF: 39.1/32

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

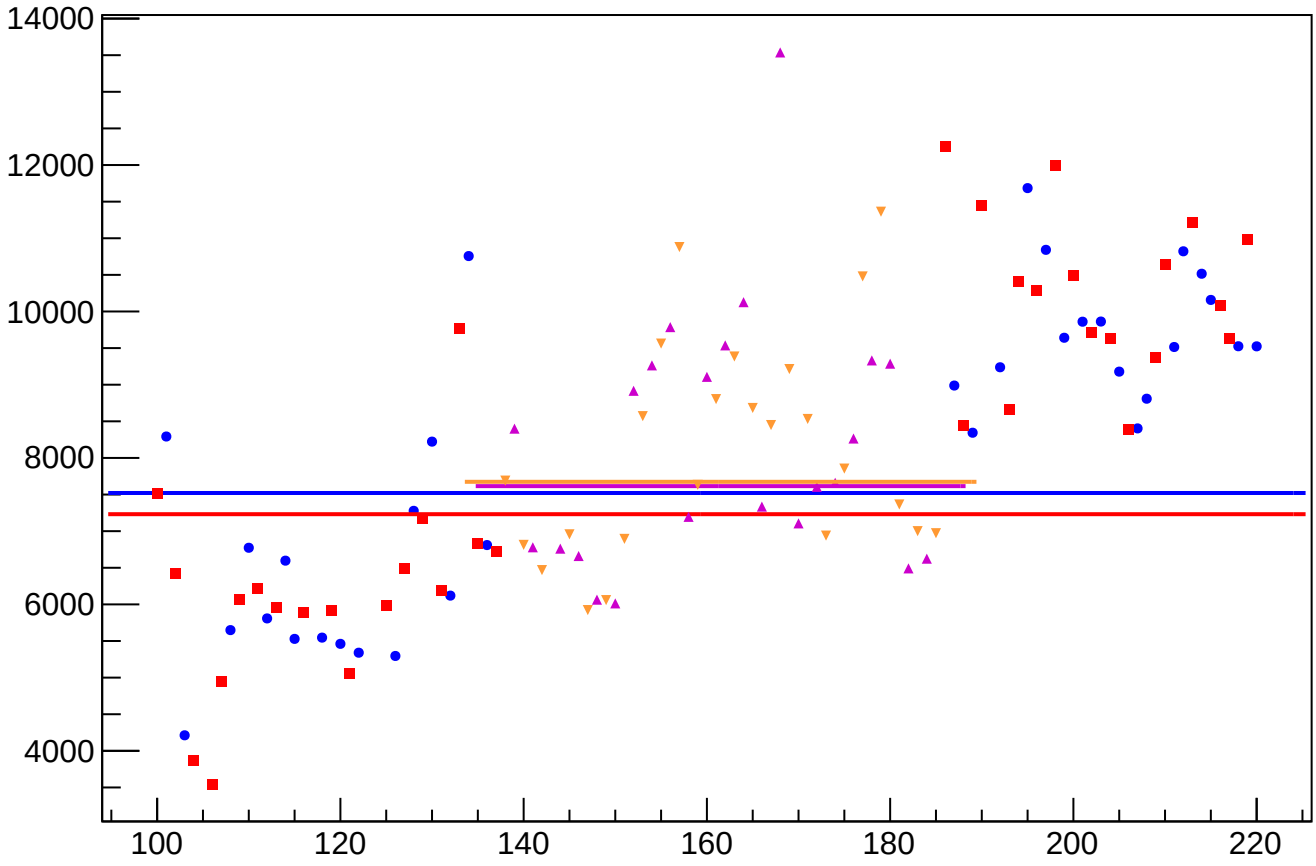
Right Out: -536.536+/-1667.621 χ^2/NDF: 44.1/34

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign -46.159+/-1245.559 χ^2/NDF: 68.6/56

All: -199.617+/-874.446 χ^2/NDF: 126.6/114

- sign -348.763+/-1227.935 χ^2/NDF: 58.0/57



Right In: 7521.382+/-1.208 χ^2/NDF: 3135467.5/32

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

Right Out: 7231.800+/-1.179 χ^2/NDF: 4163795.0/34

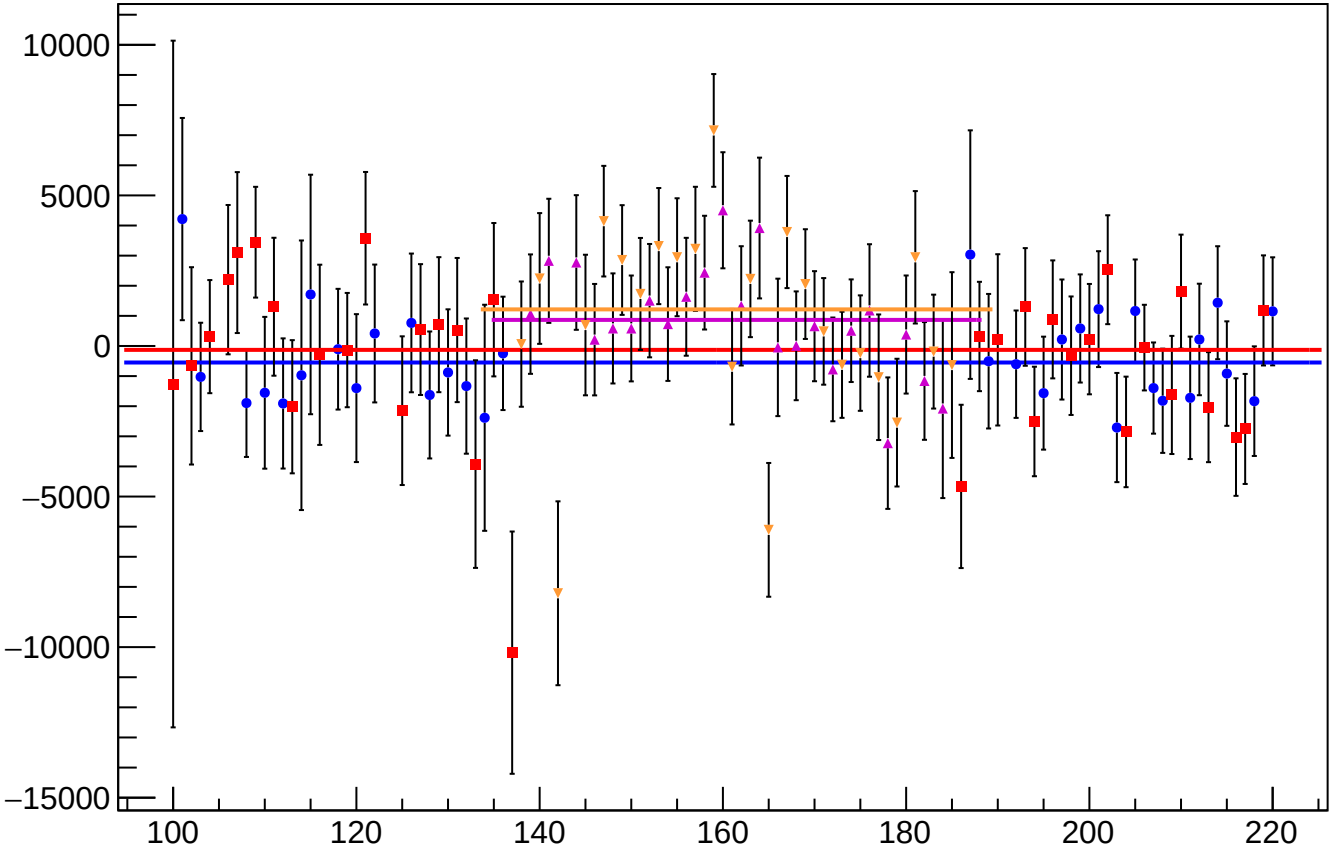
Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

\+ sign 7592.902+/-0.881 χ^2/NDF: 4219663.1/56

All: 7498.735+/-0.618 χ^2/NDF: 9678862.8/11

\- sign 7407.214+/-0.868 χ^2/NDF: 5436658.2/57

dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -548.909+/-356.660 χ^2/NDF: 13.7/32

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: -129.301+/-358.850 χ^2/NDF: 36.3/34

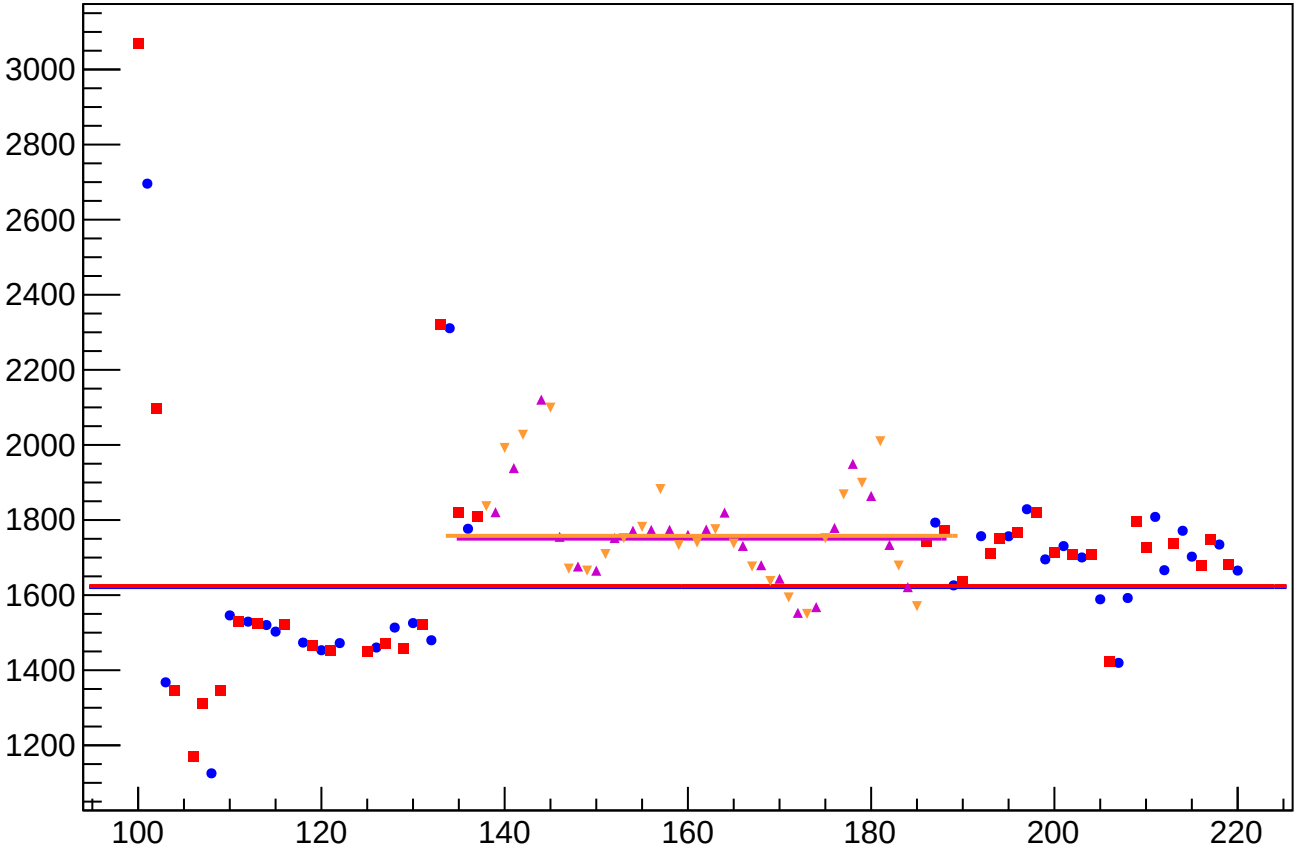
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

\+ sign 211.943+/-268.975 χ^2/NDF: 72.7/56

All: 256.988+/-190.570 χ^2/NDF: 127.5/114

\- sign 302.390+/-270.040 χ^2/NDF: 54.8/57

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1621.491+/-0.252 χ^2/NDF: 685071.9/32

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

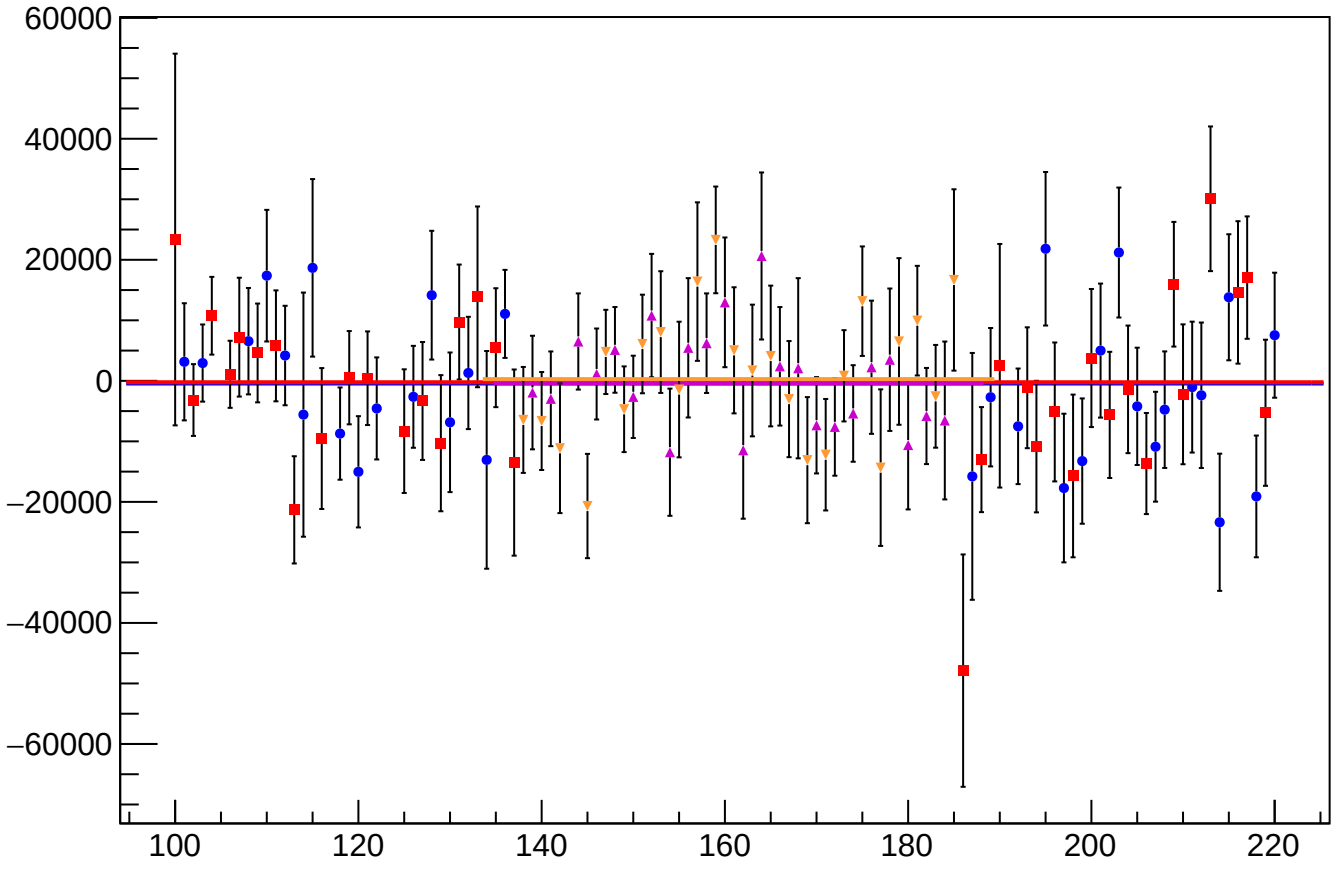
Right Out: 1624.242+/-0.254 χ^2/NDF: 583057.8/34

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1680.346+/-0.190 χ^2/NDF: 1024643.3/56

All: 1679.668+/-0.135 χ^2/NDF: 1886969.7/11

- sign 1678.985+/-0.191 χ^2/NDF: 862300.8/57



Right In: -444.957+/-1737.821 χ^2/NDF: 38.8/32

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: -230.151+/-1636.204 χ^2/NDF: 43.5/34

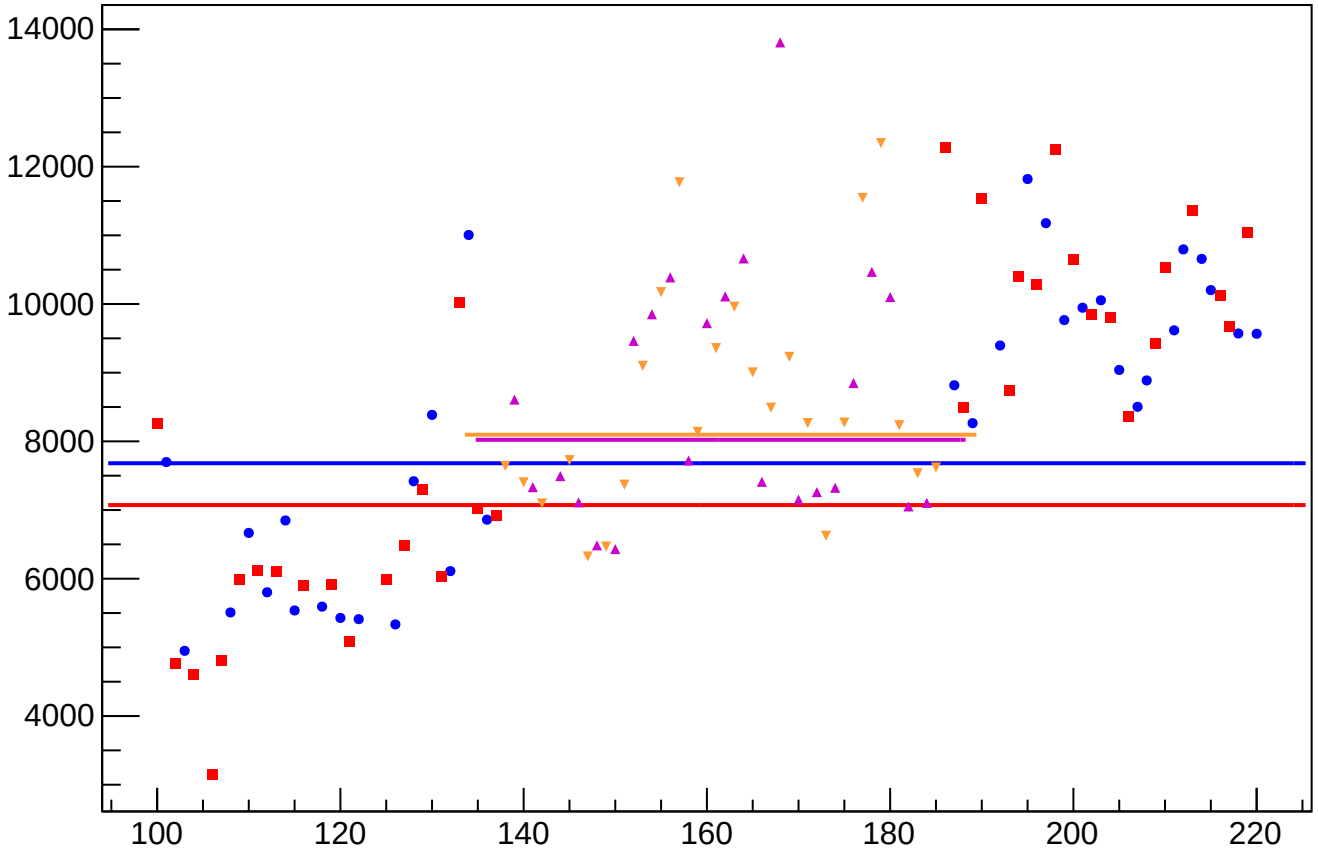
Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign -116.303+/-1288.470 χ^2/NDF: 67.5/56

All: -208.639+/-894.672 χ^2/NDF: 124.7/114

- sign -294.607+/-1243.256 χ^2/NDF: 57.1/57

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 7681.324+/-1.229 χ^2/NDF: 2779024.9/32

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

Right Out: 7072.185+/-1.157 χ^2/NDF: 4658527.2/34

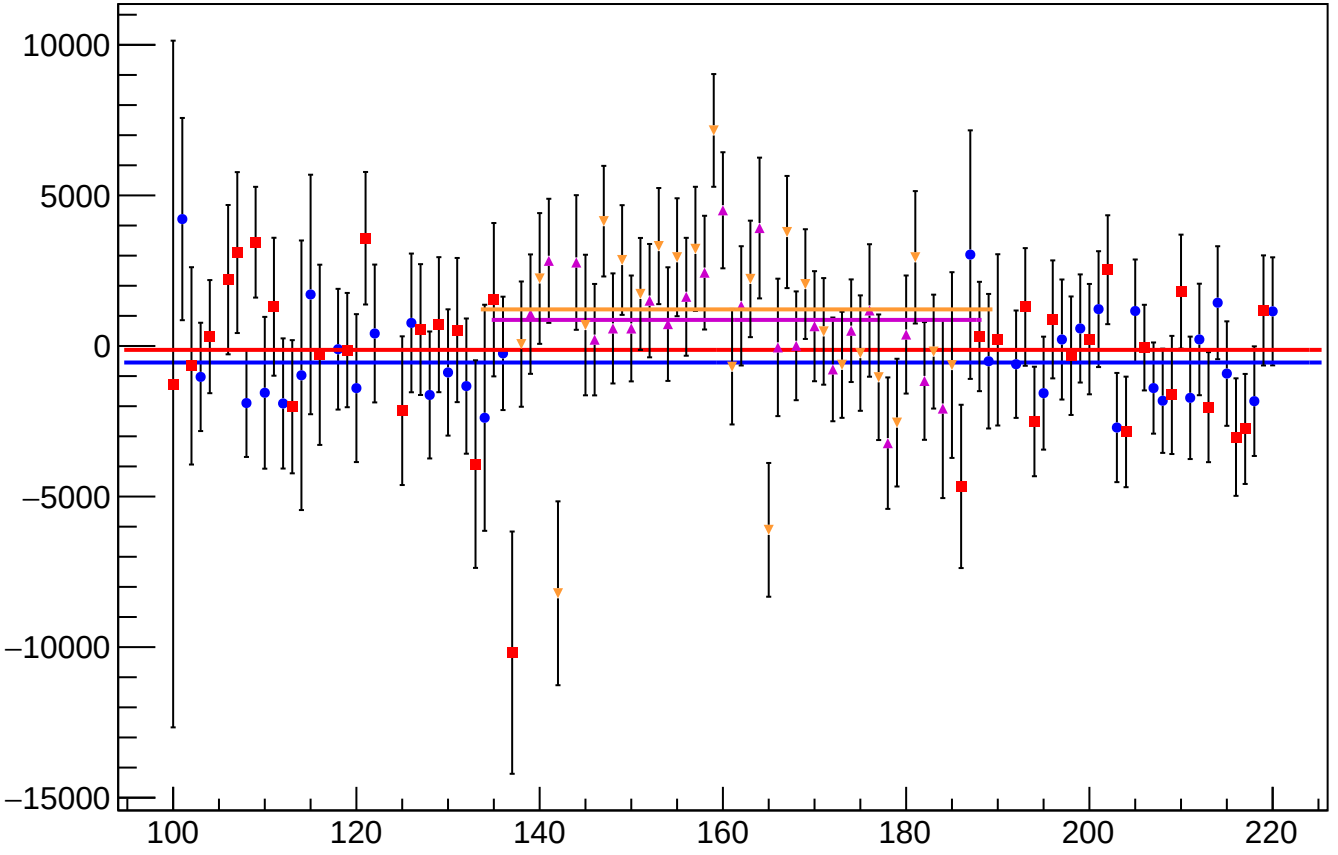
Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7868.415+/-0.911 χ^2/NDF: 3918296.1/56

All: 7664.125+/-0.633 χ^2/NDF: 10184738.8/1

- sign 7473.922+/-0.879 χ^2/NDF: 6169354.2/57

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -548.904+/-356.660 χ^2/NDF: 13.7/32

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: -129.302+/-358.850 χ^2/NDF: 36.3/34

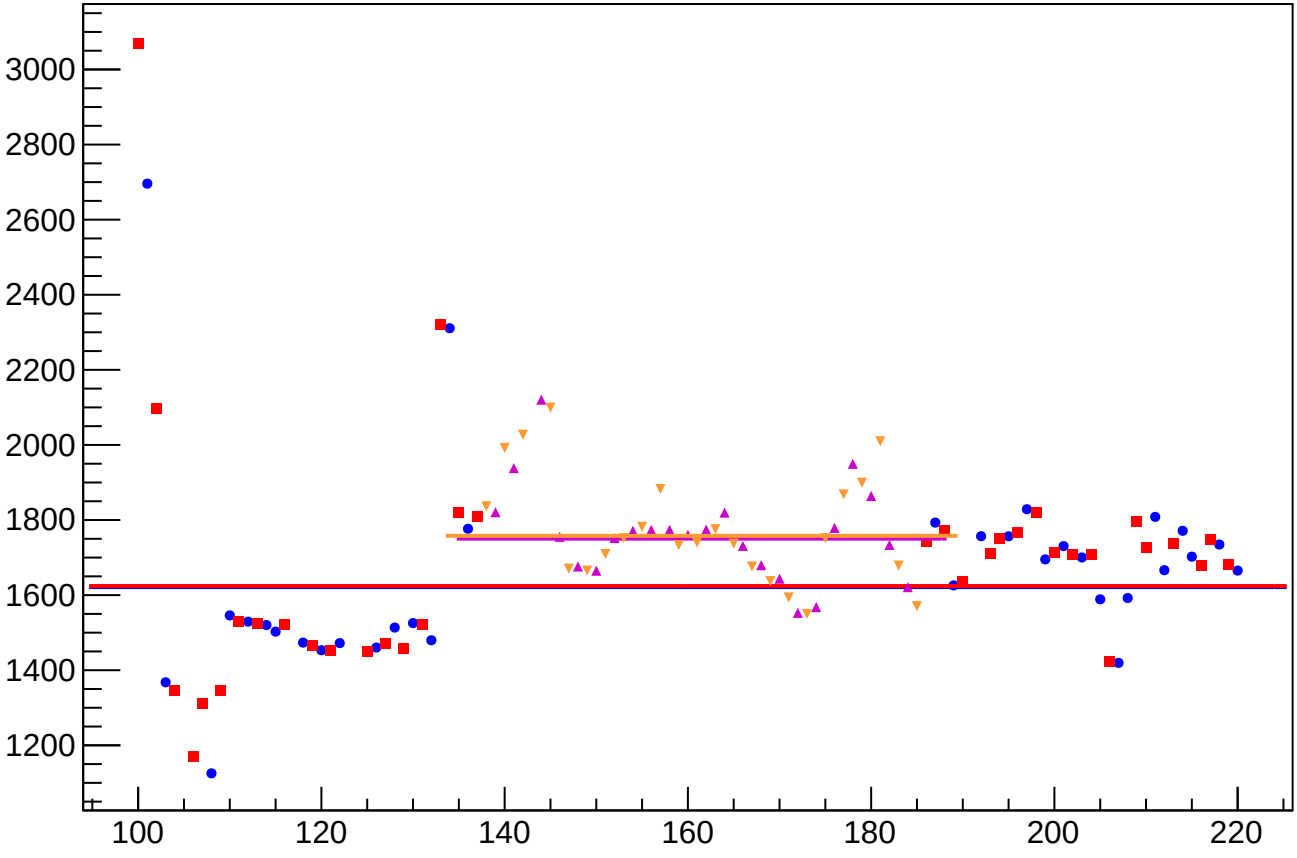
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

\+ sign 211.948+/-268.975 χ^2/NDF: 72.7/56

All: 256.989+/-190.570 χ^2/NDF: 127.5/114

\- sign 302.388+/-270.041 χ^2/NDF: 54.8/57

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1621.491+/-0.252 χ^2/NDF: 685071.9/32

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

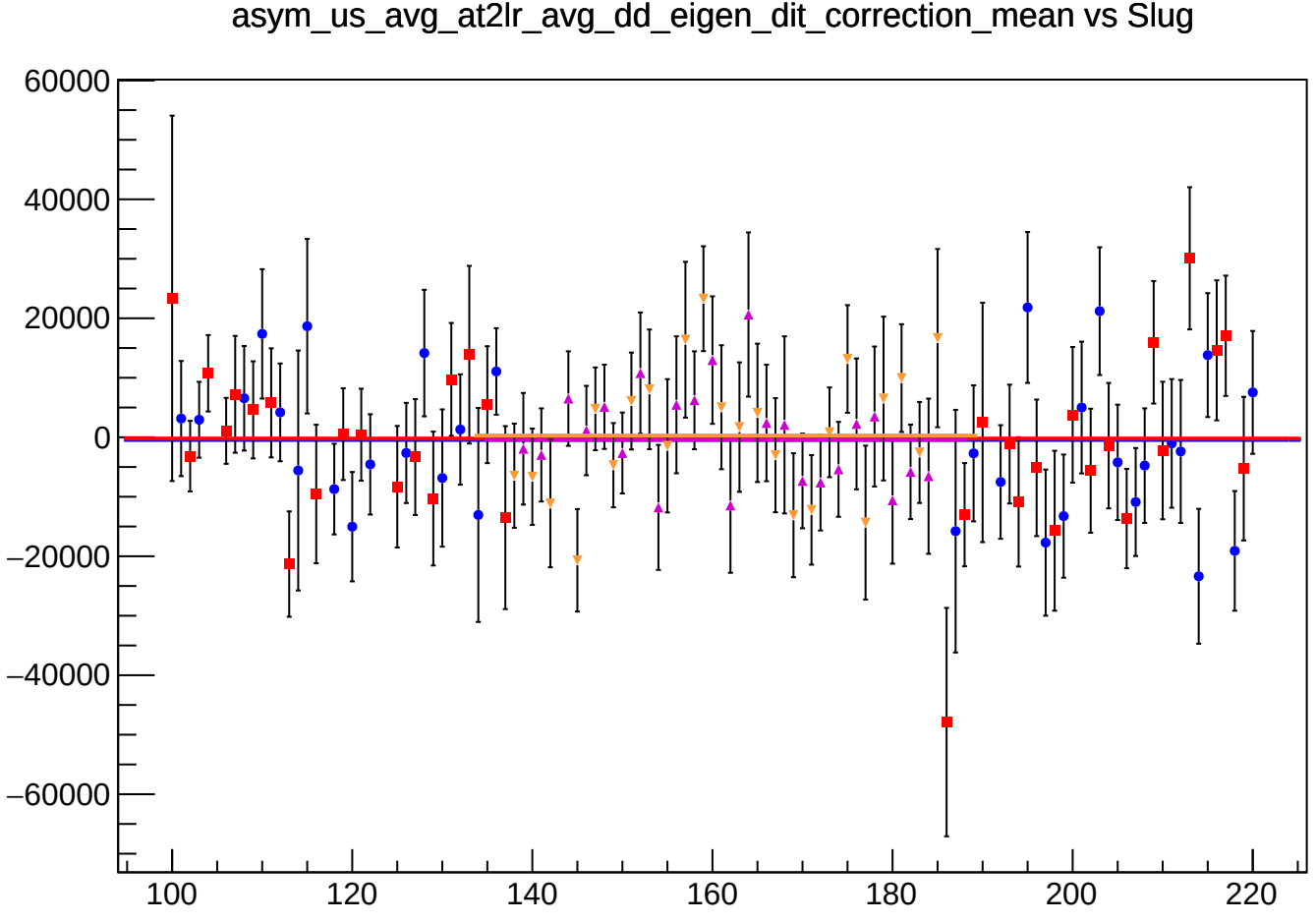
Right Out: 1624.242+/-0.254 χ^2/NDF: 583058.8/34

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1680.348+/-0.190 χ^2/NDF: 1024656.2/56

All: 1679.670+/-0.135 χ^2/NDF: 1886996.0/11

- sign 1678.987+/-0.191 χ^2/NDF: 862314.2/57



Right In: -444.962+/-1737.820 χ^2/NDF: 38.8/32

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

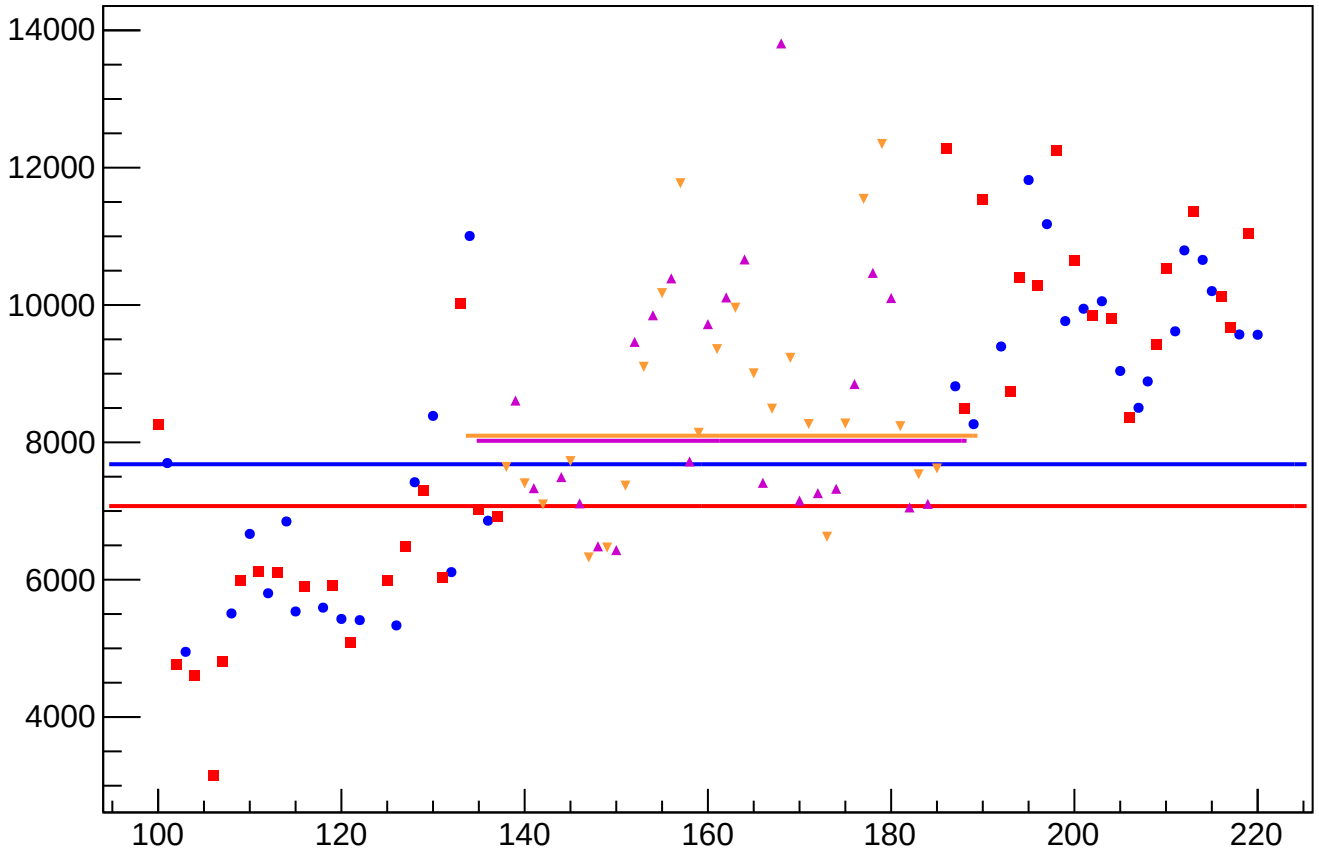
Right Out: -230.143+/-1636.203 χ^2/NDF: 43.5/34

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign -116.306+/-1288.471 χ^2/NDF: 67.5/56

All: -208.638+/-894.673 χ^2/NDF: 124.7/114

- sign -294.604+/-1243.257 χ^2/NDF: 57.1/57



Right In: 7681.317+/-1.229 χ^2/NDF: 2779061.8/32

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

Right Out: 7072.176+/-1.157 χ^2/NDF: 4658564.0/34

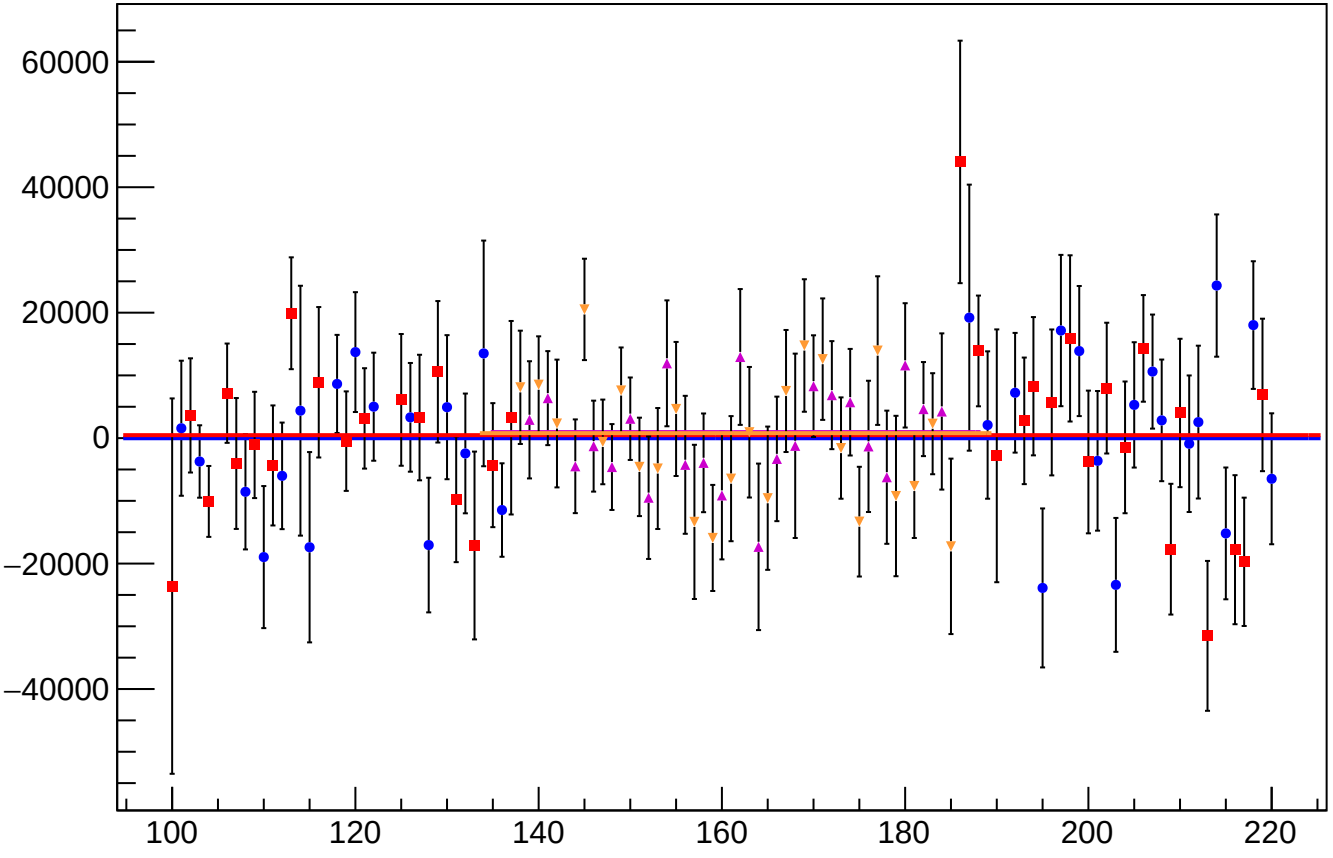
Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7868.417+/-0.911 χ^2/NDF: 3918340.3/56

All: 7664.125+/-0.633 χ^2/NDF: 10184837.5/1

- sign 7473.920+/-0.879 χ^2/NDF: 6169407.4/57

asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -19.818+/-1754.845 χ^2/NDF: 41.1/32

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 473.416+/-1722.581 χ^2/NDF: 44.4/34

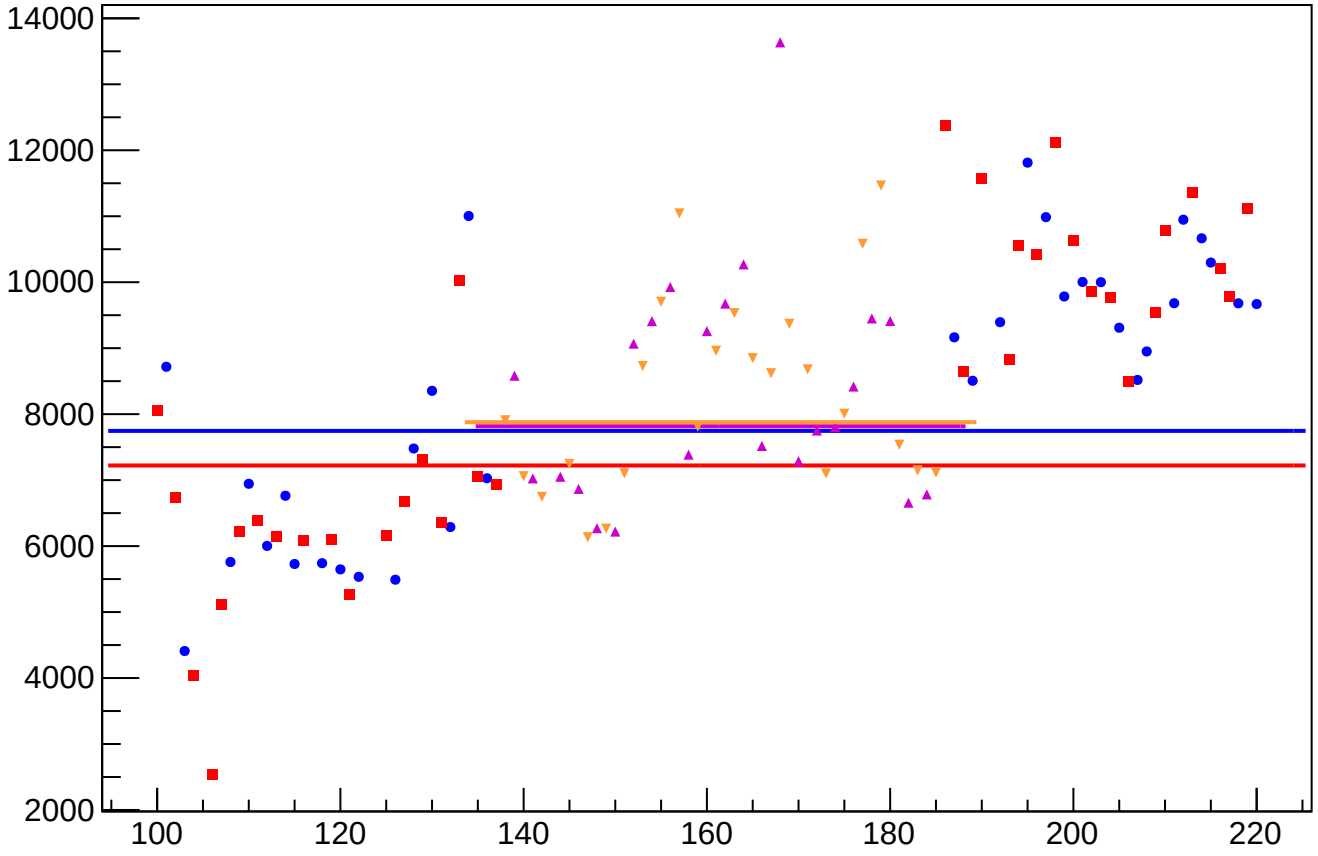
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign 361.040+/-1278.067 χ^2/NDF: 68.4/56

All: 532.376+/-898.650 χ^2/NDF: 125.7/114

- sign 699.913+/-1263.817 χ^2/NDF: 57.2/57

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 7746.254+/-1.241 χ^2/NDF: 2907452.7/32

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

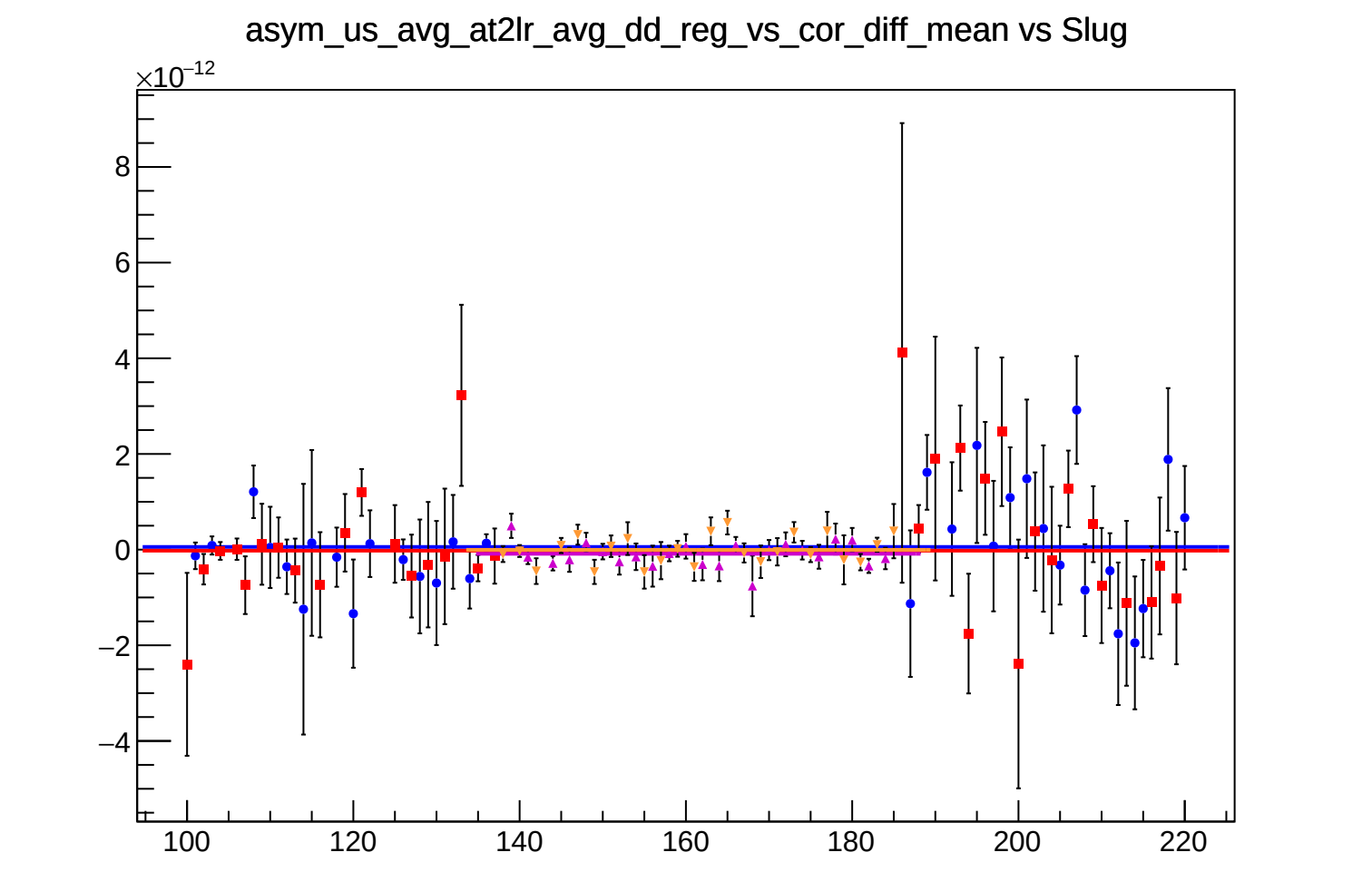
Right Out: 7221.894+/-1.191 χ^2/NDF: 4848985.3/34

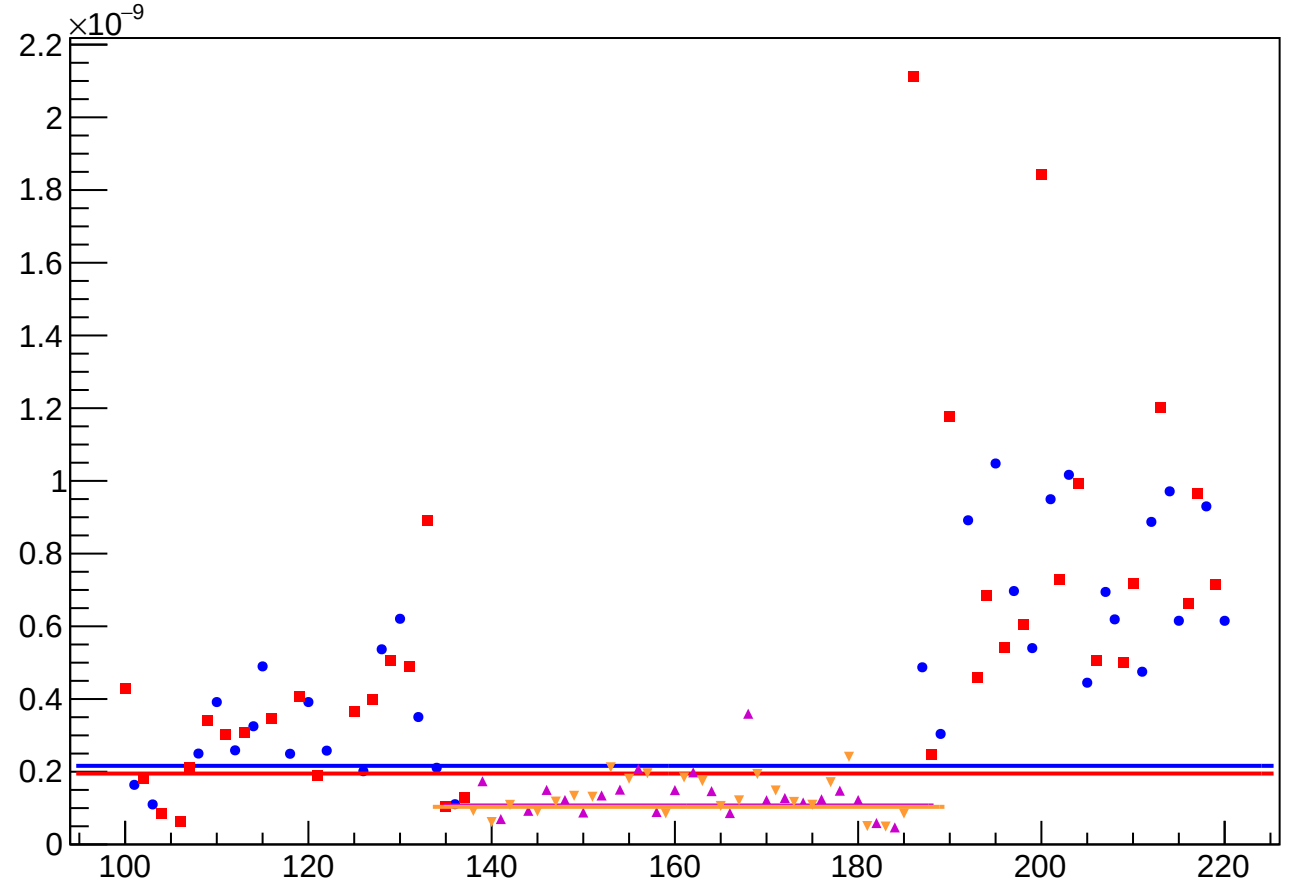
Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7808.344+/-0.904 χ^2/NDF: 3902843.4/56

All: 7645.404+/-0.632 χ^2/NDF: 10059989.7/1

- sign 7489.872+/-0.883 χ^2/NDF: 6093610.3/57


asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
−4
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 32.0/32
Left Out: -0.000+/-0.000 χ²/NDF:28.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 37.2/34
Left In: -0.000+/-0.000 χ²/NDF:19.3/22
+ sign 0.000+/-0.000 χ²/NDF: 61.0/56
All: -0.000+/-0.000 χ²/NDF: 120.0/114
- sign -0.000+/-0.000 χ²/NDF: 57.0/57



Right In: 0.000+/-0.000 χ^2/NDF: 7173370.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

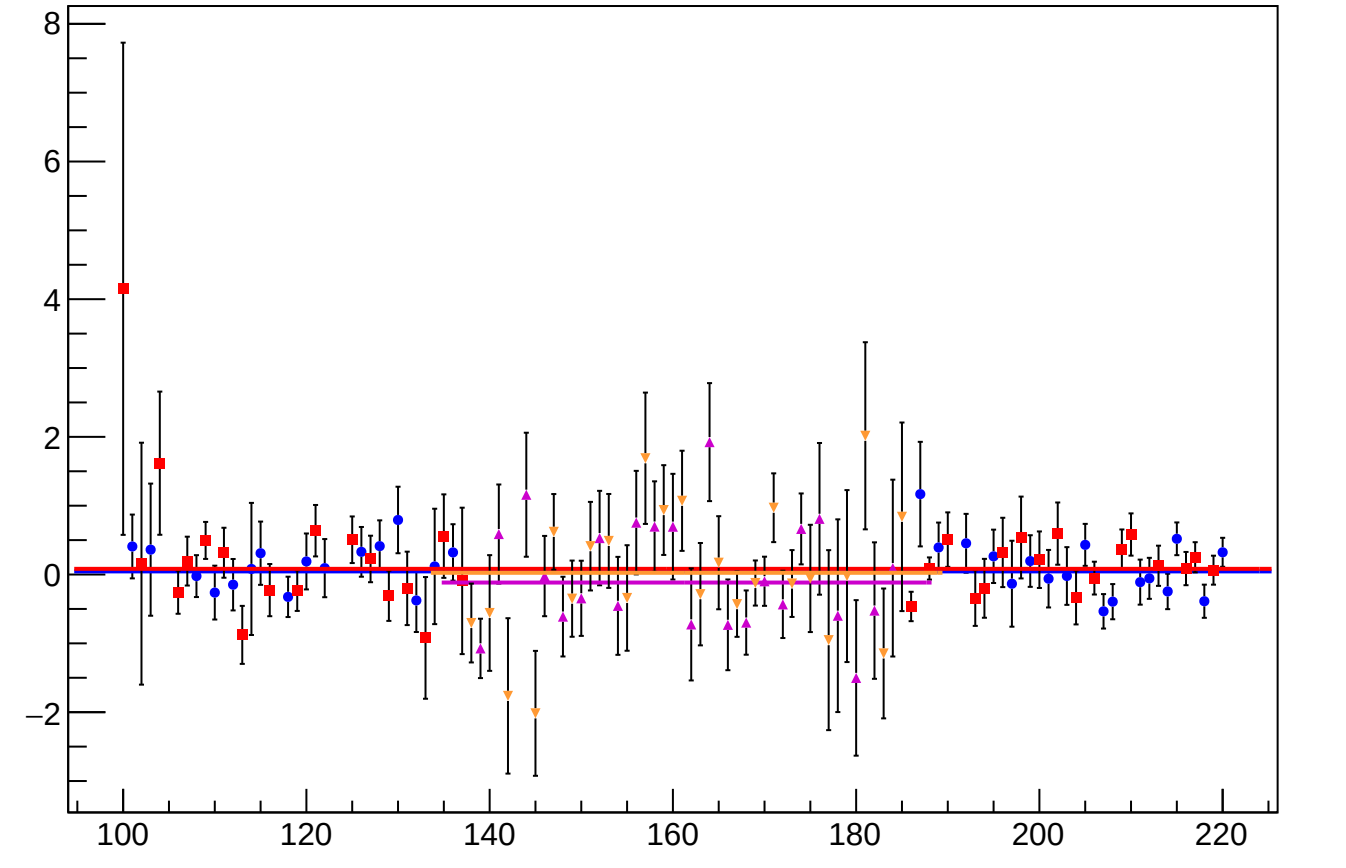
Right Out: 0.000+/-0.000 χ^2/NDF: 8700412.1/34

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 11315082.3/56

All: 0.000+/-0.000 χ^2/NDF: 22993013.9/114

- sign 0.000+/-0.000 χ^2/NDF: 11677842.9/57



Right In: 0.045+/-0.061 χ^2/NDF: 34.2/32

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

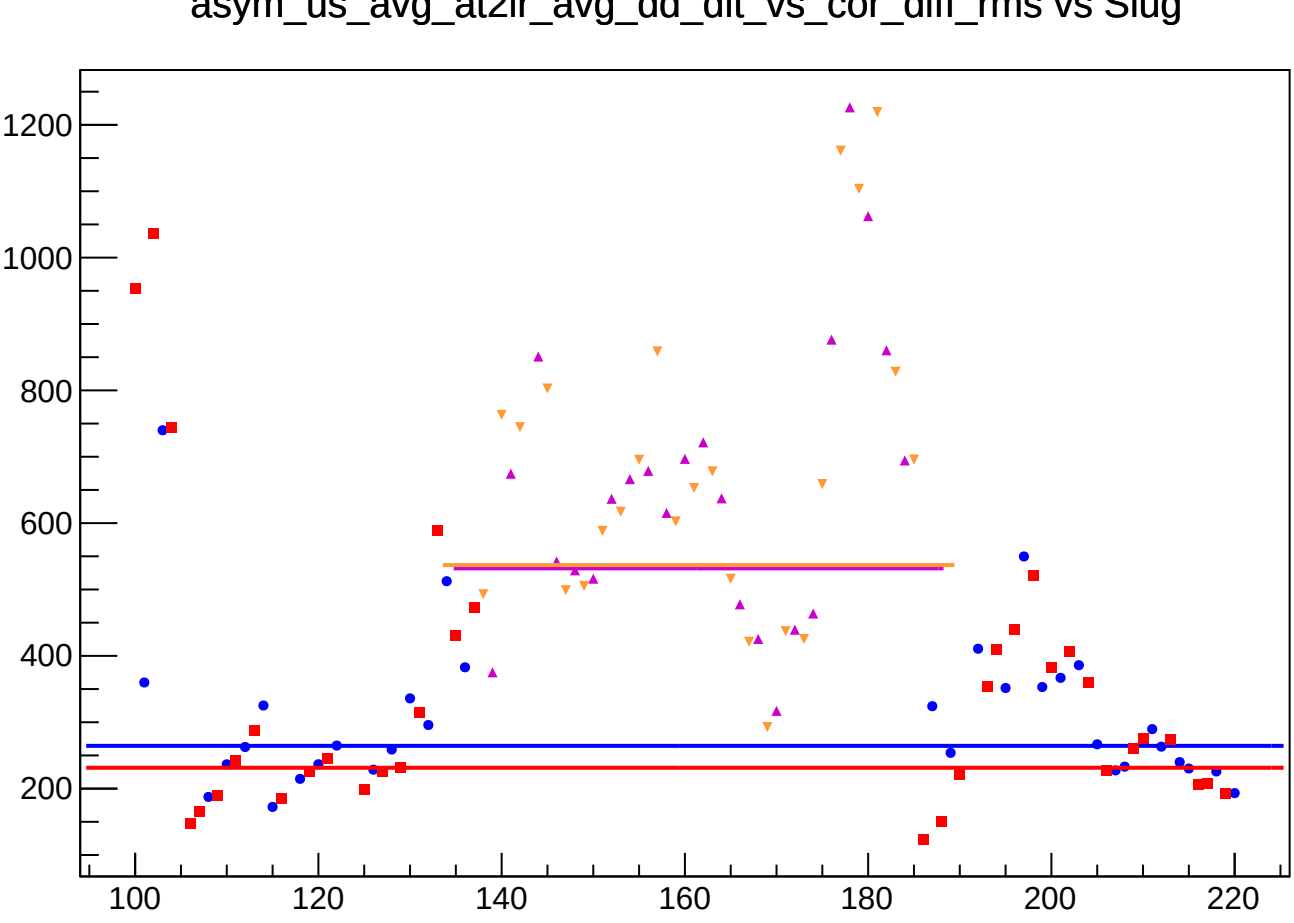
Right Out: 0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.042+/-0.056 χ^2/NDF: 63.3/56

All: 0.048+/-0.038 χ^2/NDF: 132.0/114

- sign 0.052+/-0.051 χ^2/NDF: 68.7/57



Right In: 264.427+/-0.043 χ^2/NDF: 2876655.2/32

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

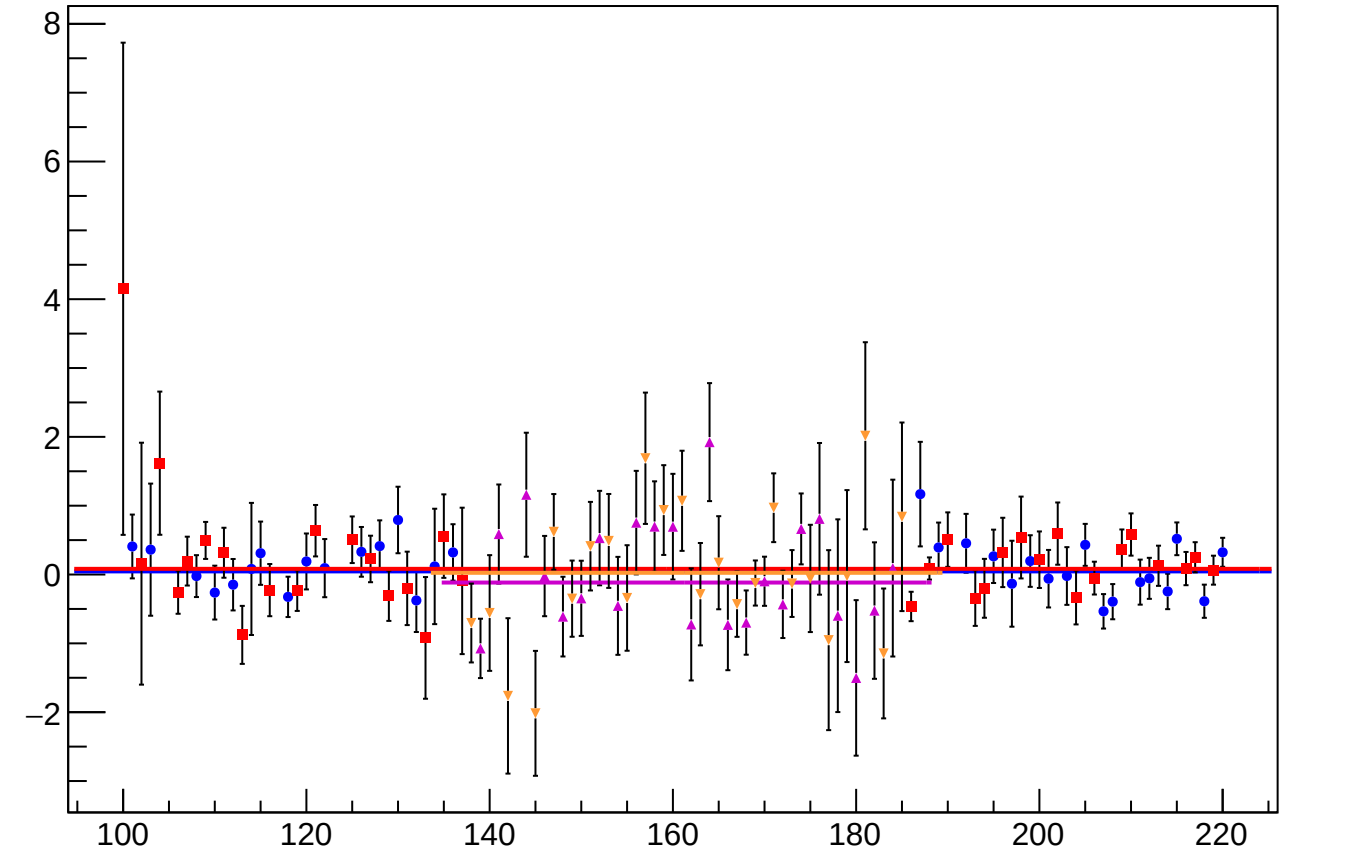
Right Out: 231.422+/-0.039 χ^2/NDF: 5406494.3/34

Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 311.255+/-0.039 χ^2/NDF: 13686634.9/56

All: 292.672+/-0.027 χ^2/NDF: 31621322.1/11

- sign 276.731+/-0.036 χ^2/NDF: 17518839.6/57



Right In: 0.045+/-0.061 χ^2/NDF: 34.2/32

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

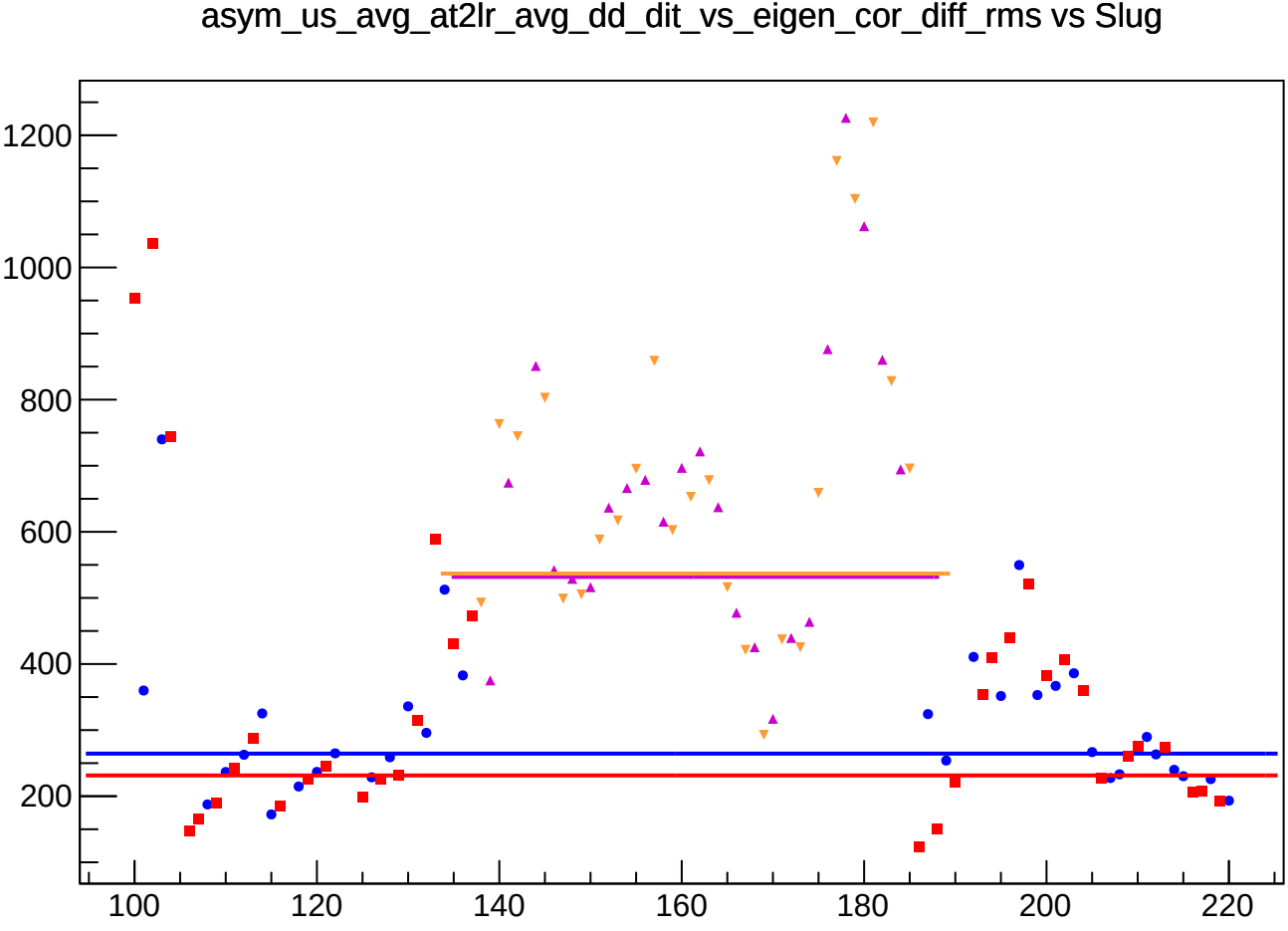
Right Out: 0.083+/-0.056 χ^2/NDF: 39.0/34

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

\+ sign 0.042+/-0.056 χ^2/NDF: 63.3/56

All: 0.048+/-0.038 χ^2/NDF: 132.0/114

\- sign 0.052+/-0.051 χ^2/NDF: 68.7/57


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
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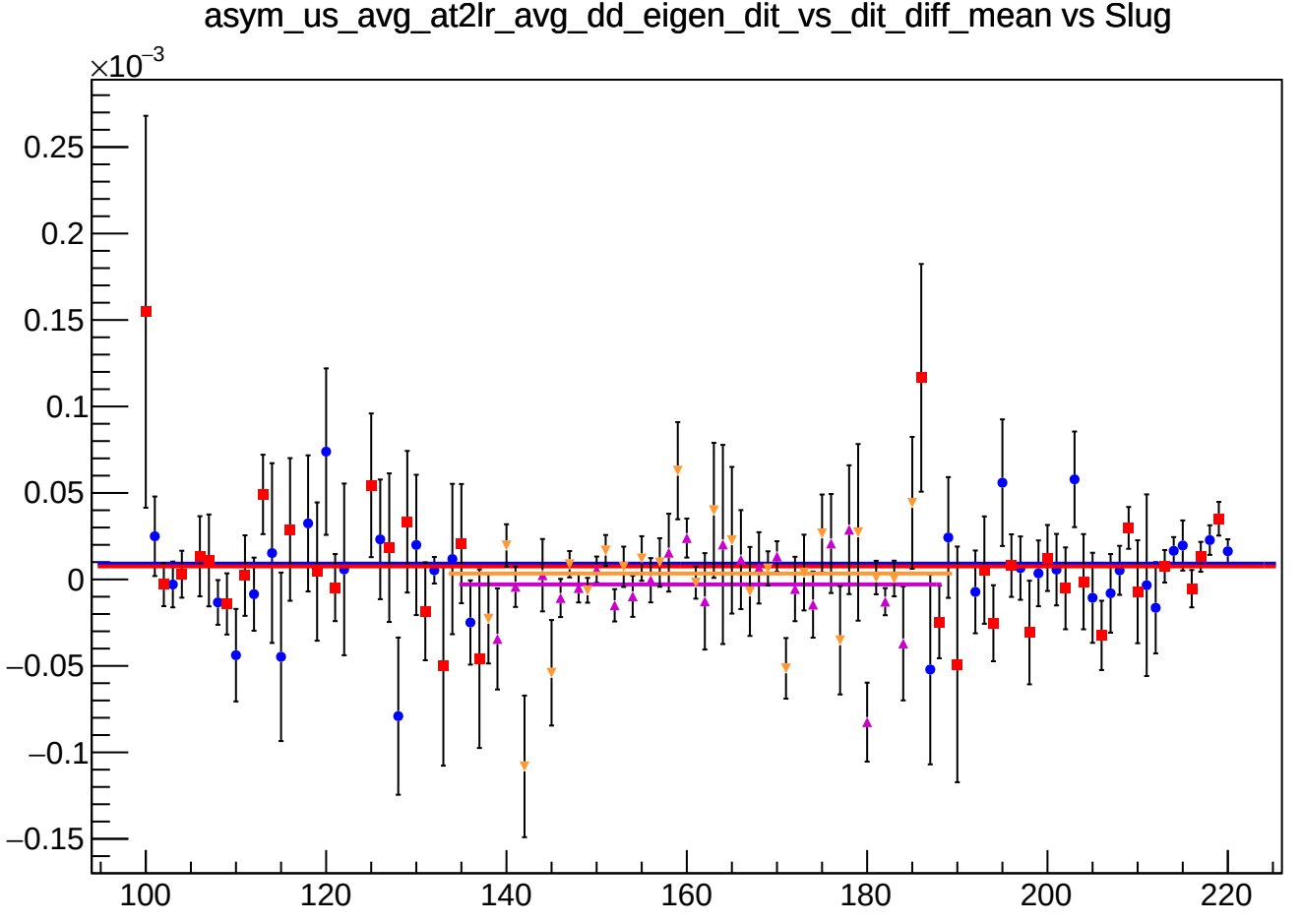
140
160
180
200
220
Right In: 264.427+/-0.043 χ²/NDF: 2876655.2/32
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 231.422+/-0.039 χ²/NDF: 5406494.3/34
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 311.255+/-0.039 χ²/NDF: 13686634.9/56
All: 292.672+/-0.027 χ²/NDF: 31621322.1/11
- sign 276.731+/-0.036 χ²/NDF: 17518839.6/57



Right In: 0.000+/-0.000 χ^2/NDF: 32.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

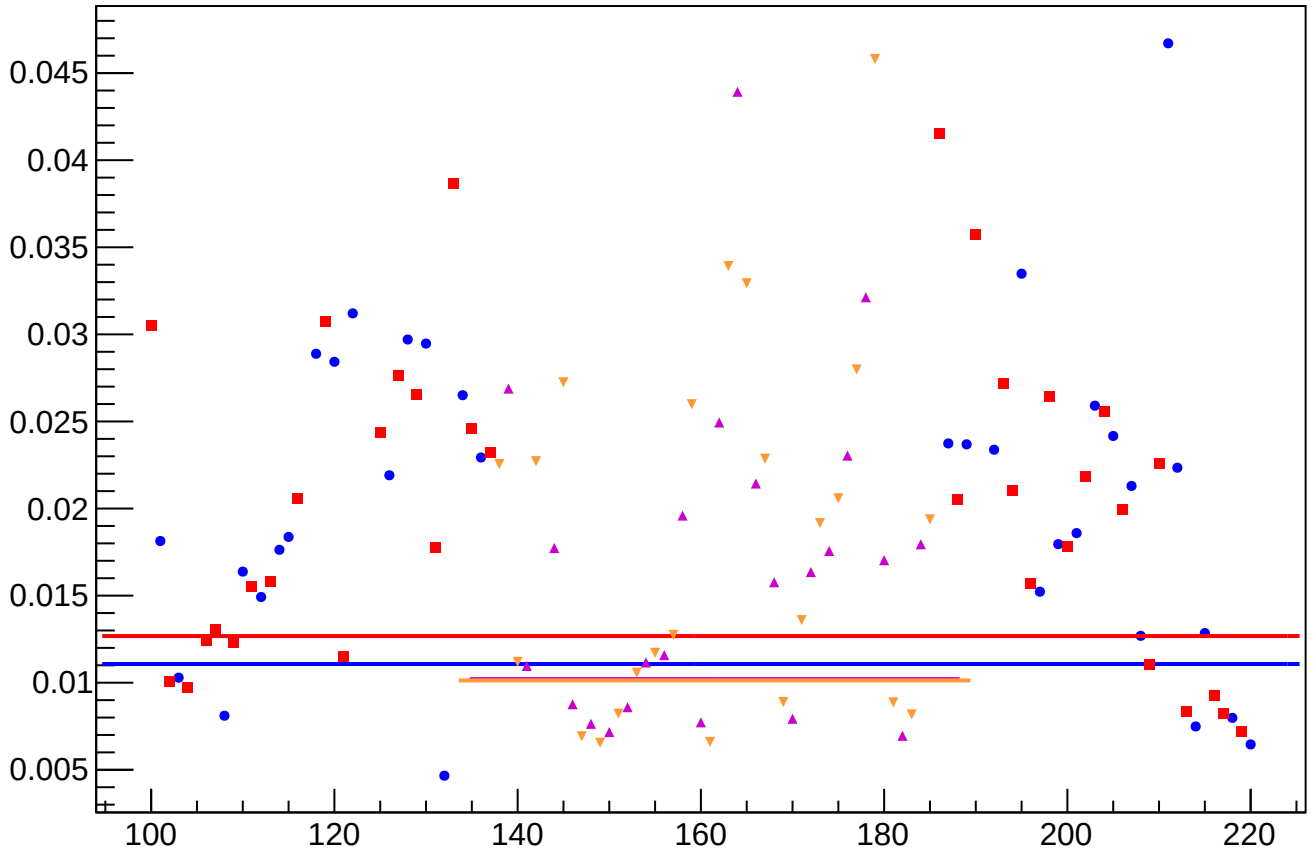
Right Out: 0.000+/-0.000 χ^2/NDF: 40.4/34

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.6/56

All: 0.000+/-0.000 χ^2/NDF: 154.7/114

- sign 0.000+/-0.000 χ^2/NDF: 78.8/57



Right In: 0.011+/-0.000 χ^2/NDF: 11236089.7/32

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

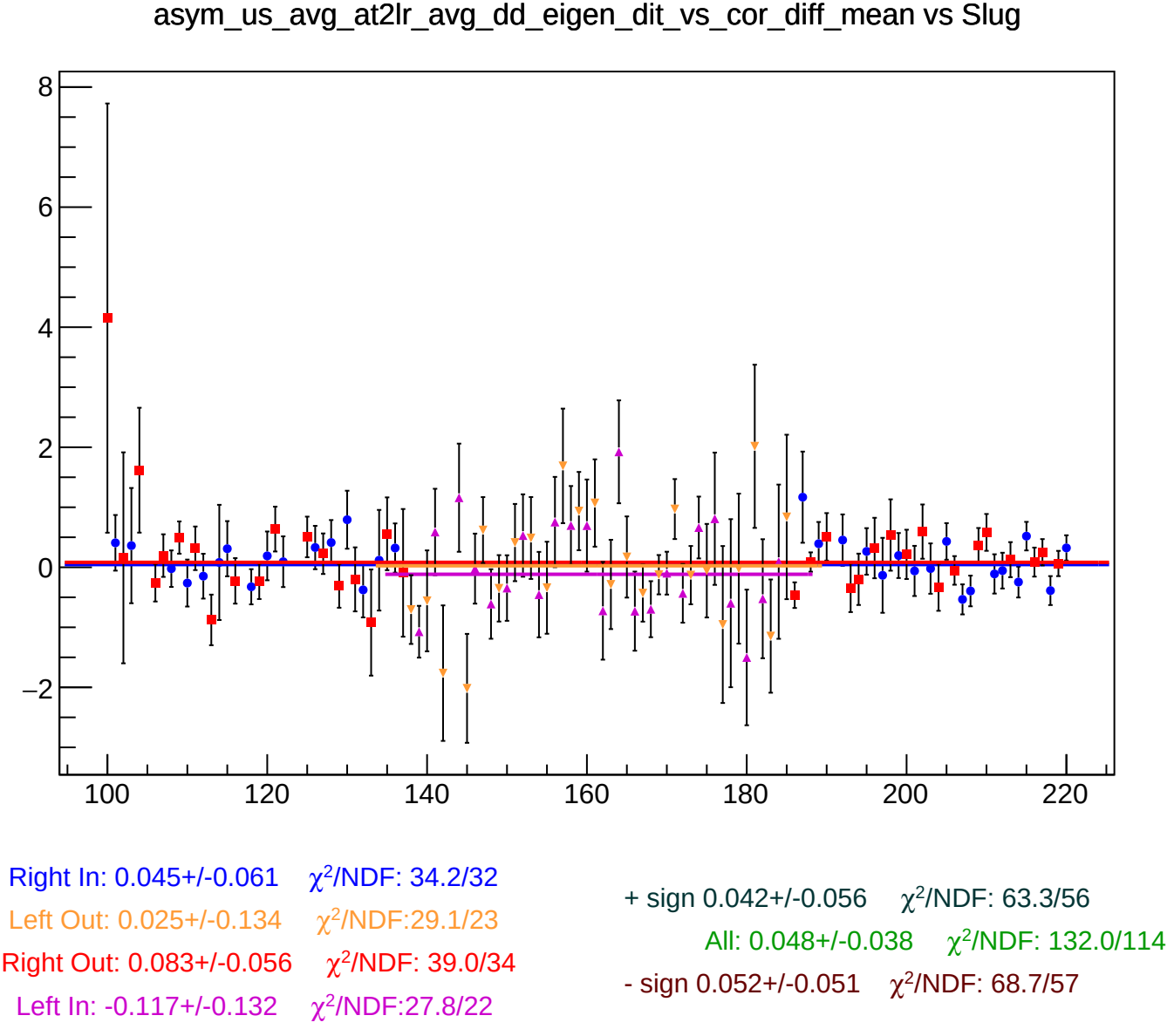
Right Out: 0.013+/-0.000 χ^2/NDF: 7488486.5/34

Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 19159591.4/56

All: 0.011+/-0.000 χ^2/NDF: 33538309.9/114

- sign 0.011+/-0.000 χ^2/NDF: 14257005.5/57


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
8
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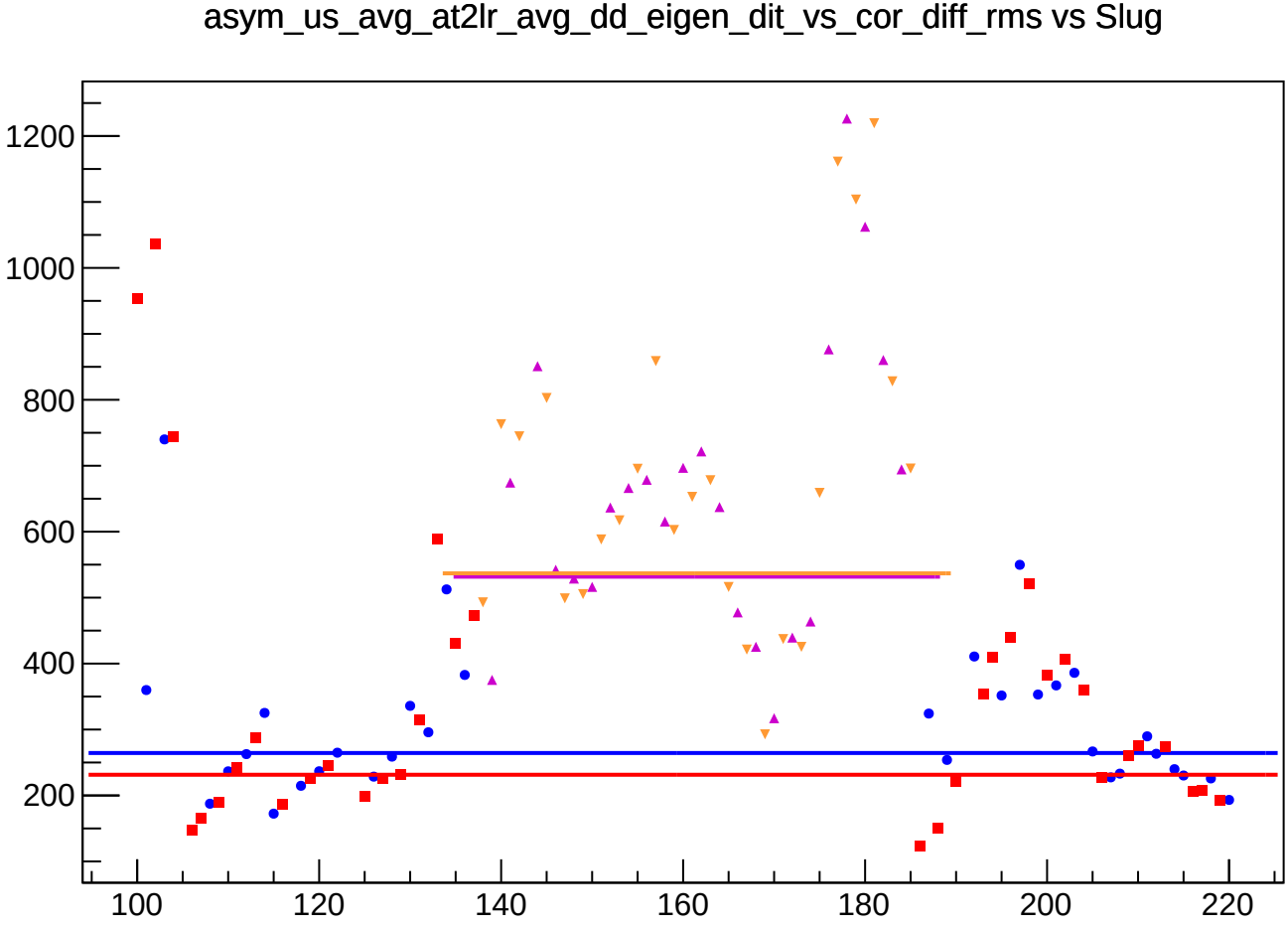
Right In: 0.045+/-0.061 χ²/NDF: 34.2/32
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.083+/-0.056 χ²/NDF: 39.0/34
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.042+/-0.056 χ²/NDF: 63.3/56
All: 0.048+/-0.038 χ²/NDF: 132.0/114
- sign 0.052+/-0.051 χ²/NDF: 68.7/57



Right In: 264.426+/-0.043 χ^2/NDF: 2876668.5/32

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

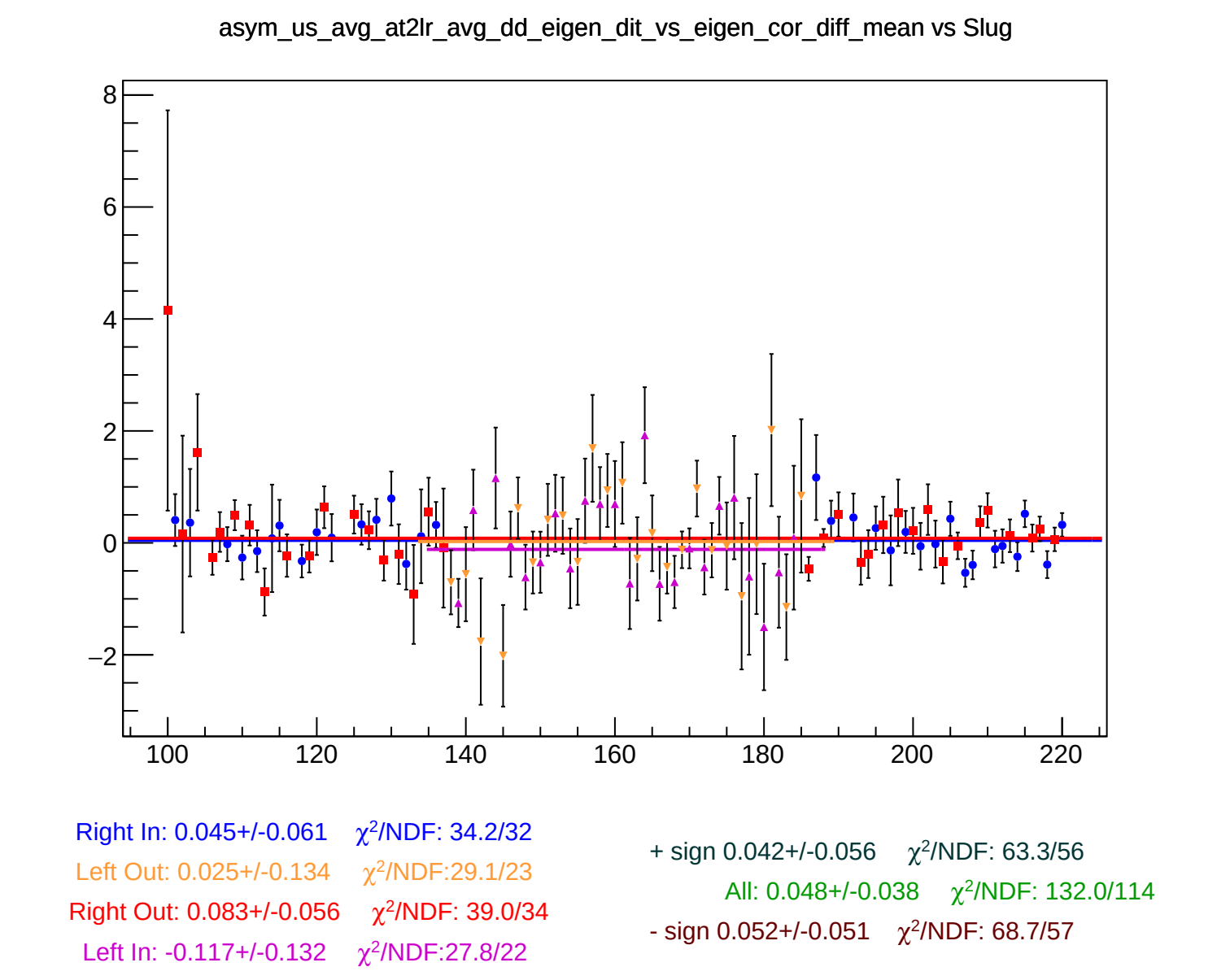
Right Out: 231.421+/-0.039 χ^2/NDF: 5406575.3/34

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 311.253+/-0.039 χ^2/NDF: 13686880.6/56

All: 292.671+/-0.027 χ^2/NDF: 31621878.7/11

- sign 276.730+/-0.036 χ^2/NDF: 17519153.4/57


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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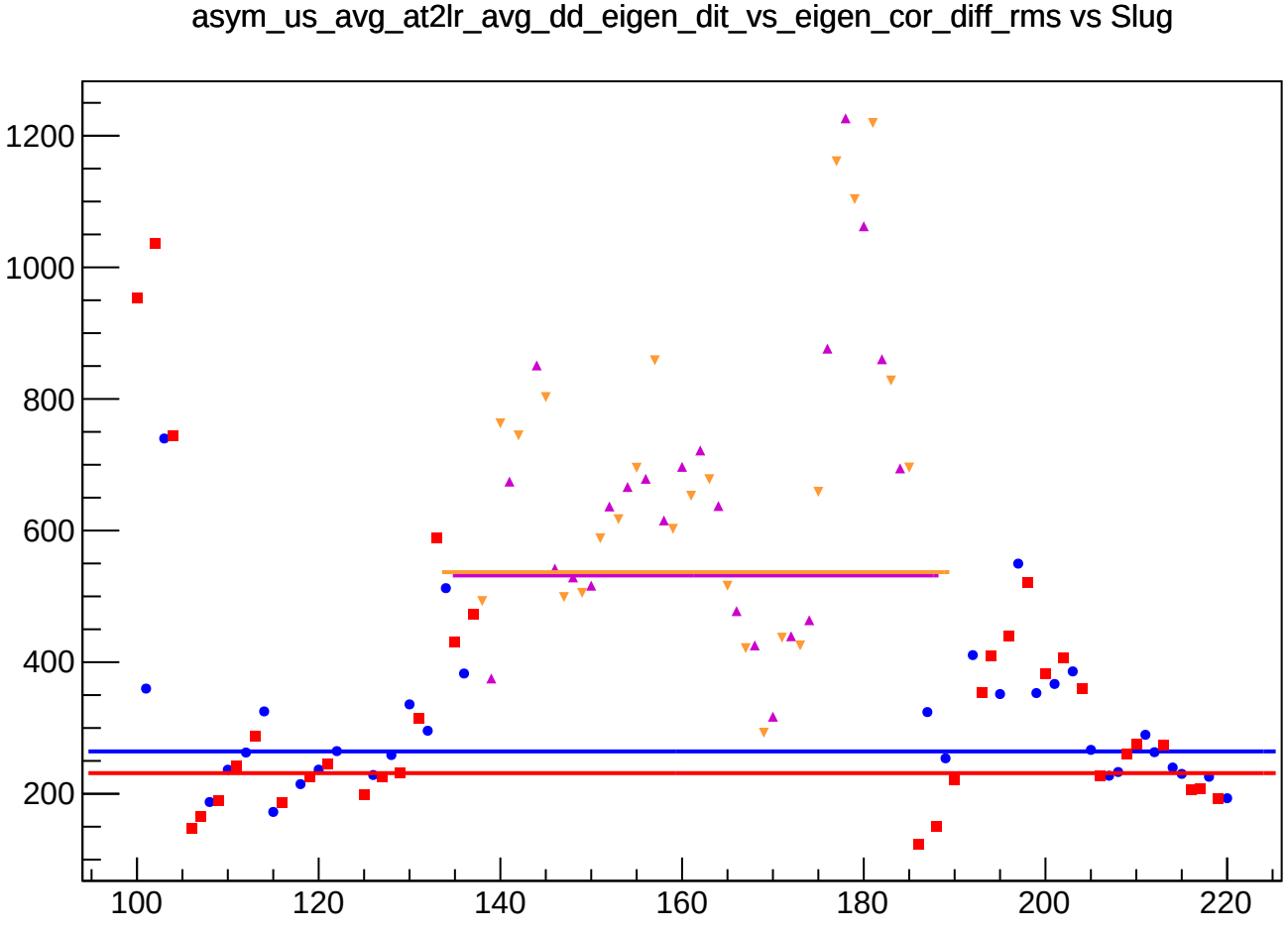
Right In: 0.045+/-0.061 χ²/NDF: 34.2/32
Left Out: 0.025+/-0.134 χ²/NDF:29.1/23
Right Out: 0.083+/-0.056 χ²/NDF: 39.0/34
Left In: -0.117+/-0.132 χ²/NDF:27.8/22
+ sign 0.042+/-0.056 χ²/NDF: 63.3/56
All: 0.048+/-0.038 χ²/NDF: 132.0/114
- sign 0.052+/-0.051 χ²/NDF: 68.7/57



Right In: 264.426+/-0.043 χ^2/NDF: 2876668.5/32

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

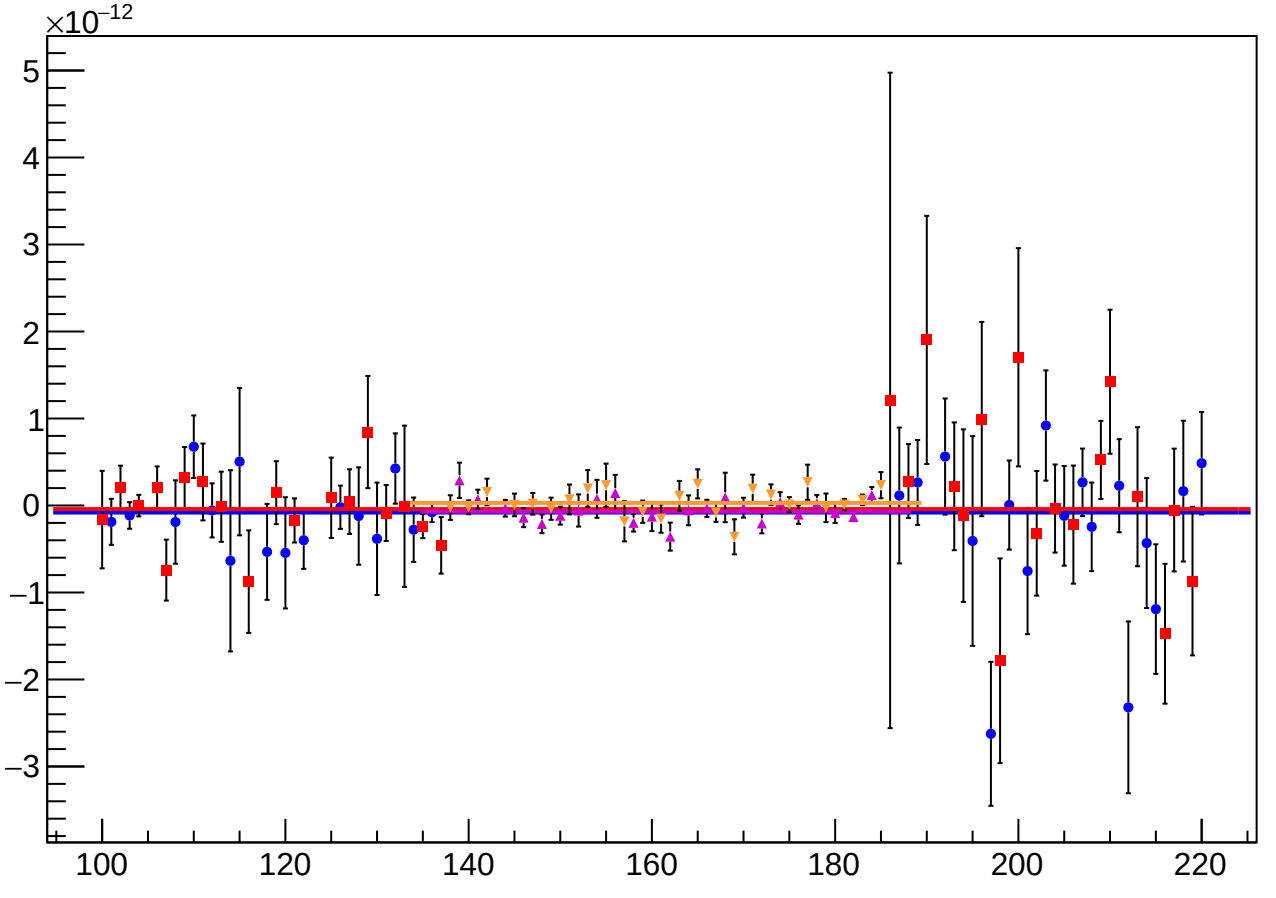
Right Out: 231.421+/-0.039 χ^2/NDF: 5406575.3/34

Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 311.253+/-0.039 χ^2/NDF: 13686880.6/56

All: 292.671+/-0.027 χ^2/NDF: 31621878.7/11

- sign 276.730+/-0.036 χ^2/NDF: 17519153.4/57



Right In: -0.000+/-0.000 χ^2/NDF: 34.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

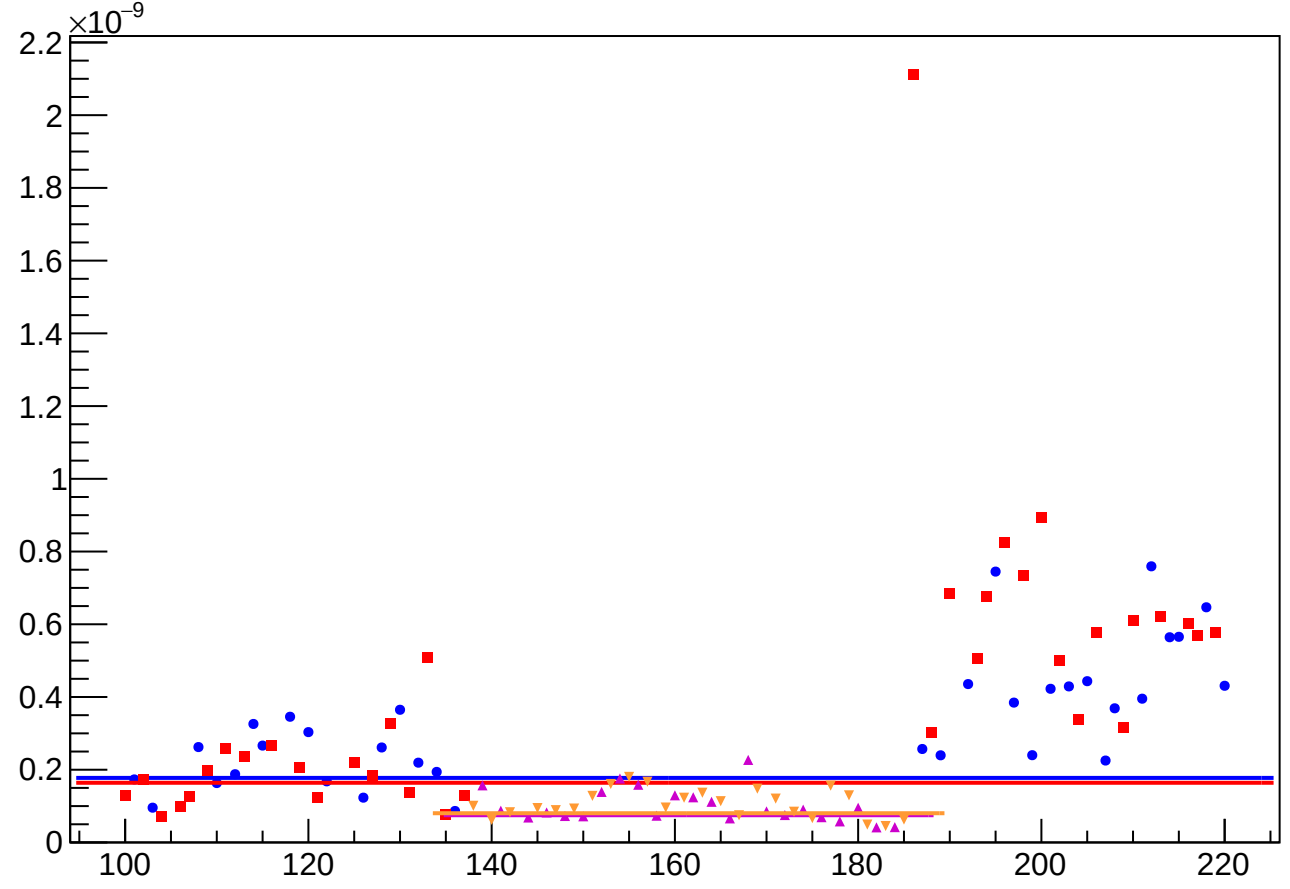
Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/34

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.4/56

All: -0.000+/-0.000 χ^2/NDF: 117.3/114

- sign -0.000+/-0.000 χ^2/NDF: 56.2/57



Right In: 0.000+/-0.000 χ^2/NDF: 7978770.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11280491.8/34

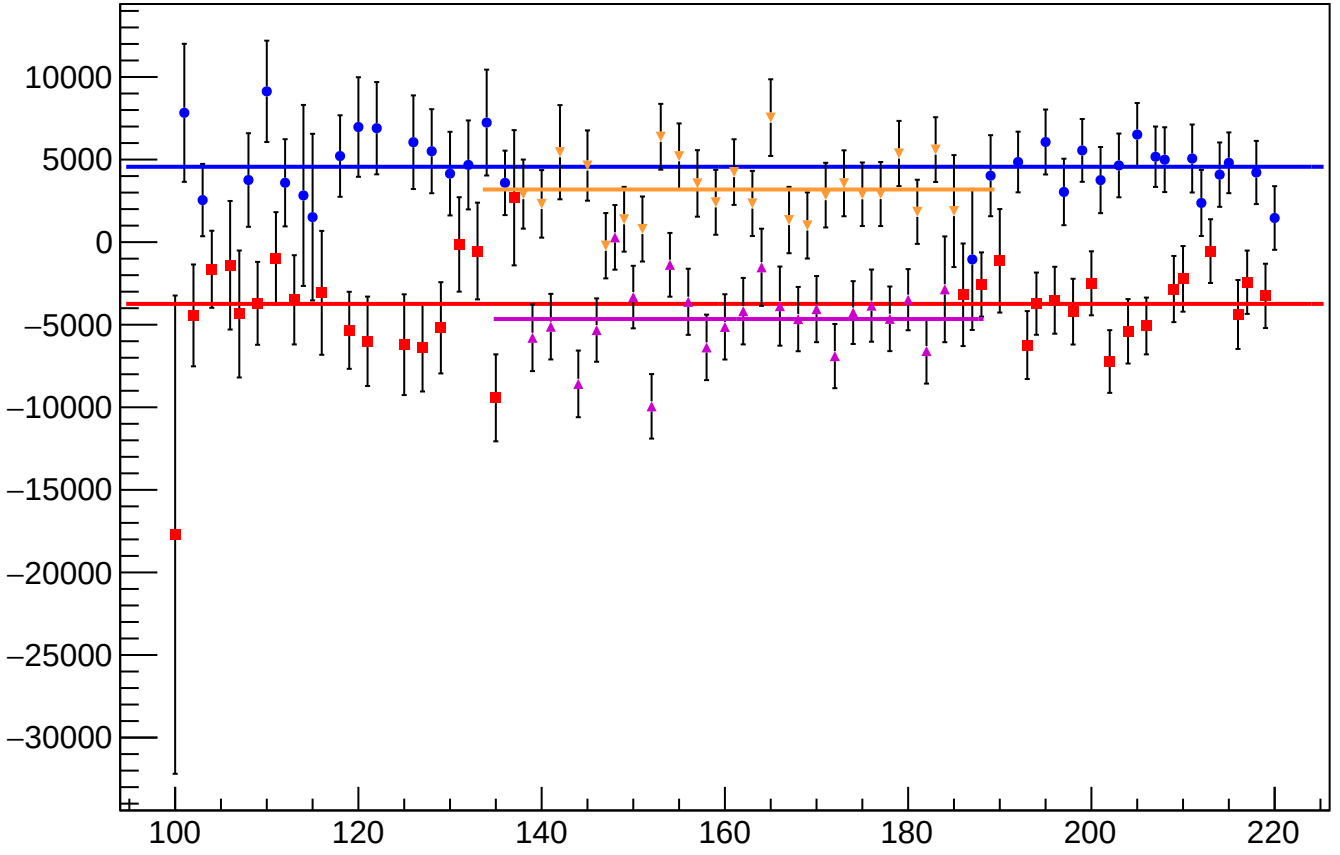
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 15879170.8/56

All: 0.000+/-0.000 χ^2/NDF: 34703430.4/114

- sign 0.000+/-0.000 χ^2/NDF: 18728191.5/57

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4563.499+/-398.946 χ^2/NDF: 15.7/32

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -3739.195+/-400.638 χ^2/NDF: 28.1/34

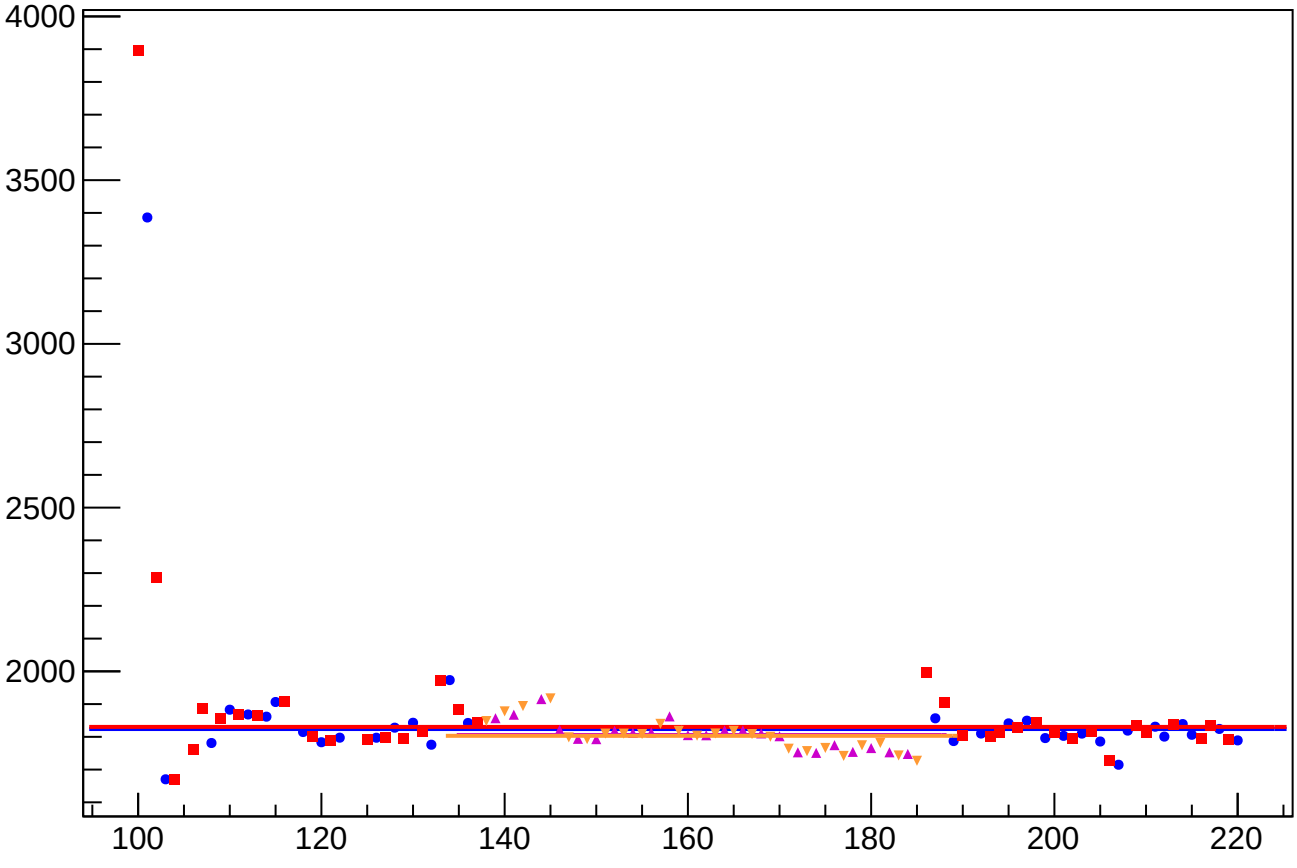
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3908.412+/-288.802 χ^2/NDF: 41.2/56

All: -109.657+/-204.794 χ^2/NDF: 488.8/114

- sign -4173.764+/-290.452 χ^2/NDF: 58.3/57

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1823.829+/-0.282 χ^2/NDF: 308606.9/32

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

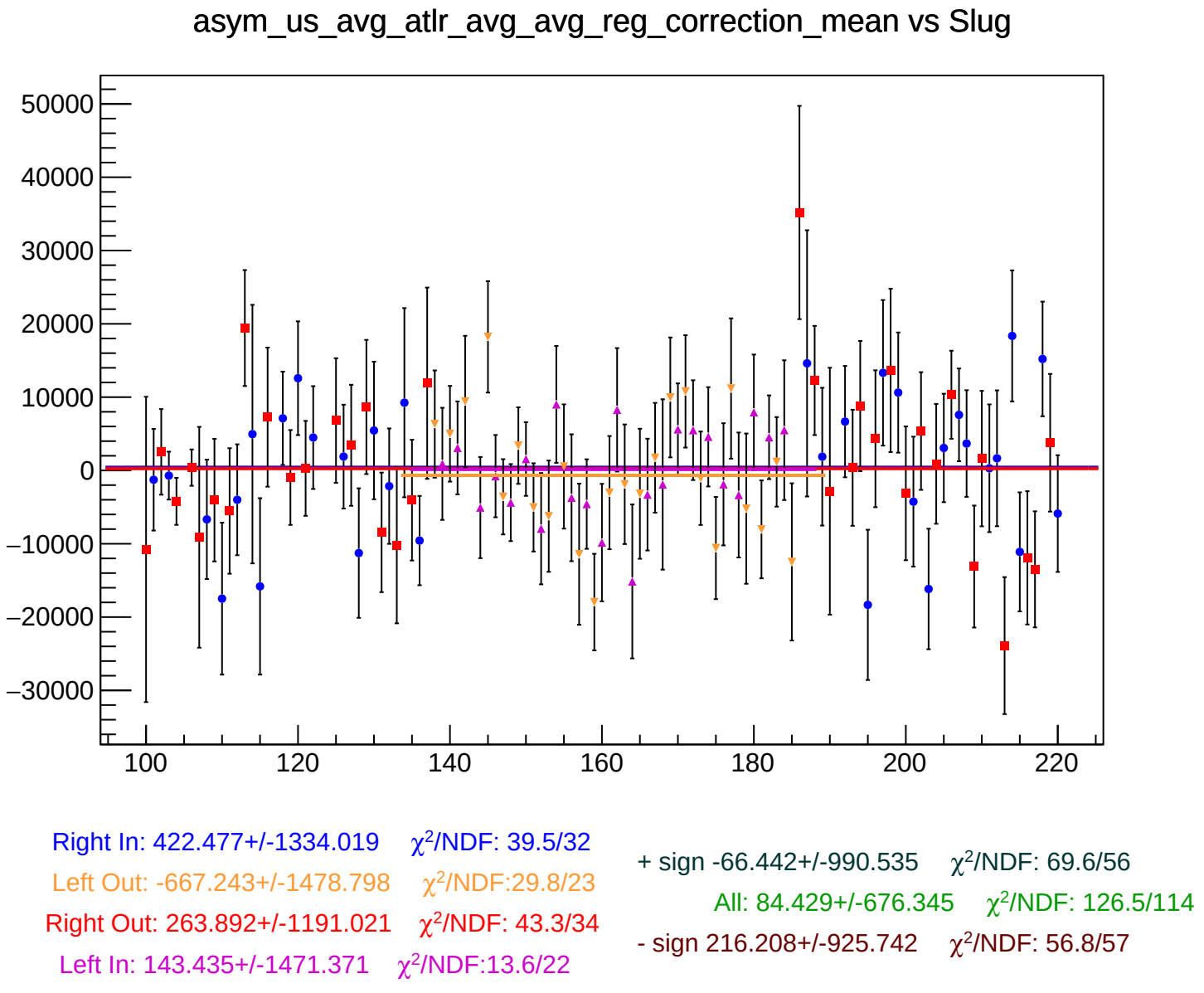
Right Out: 1830.303+/-0.283 χ^2/NDF: 123039.6/34

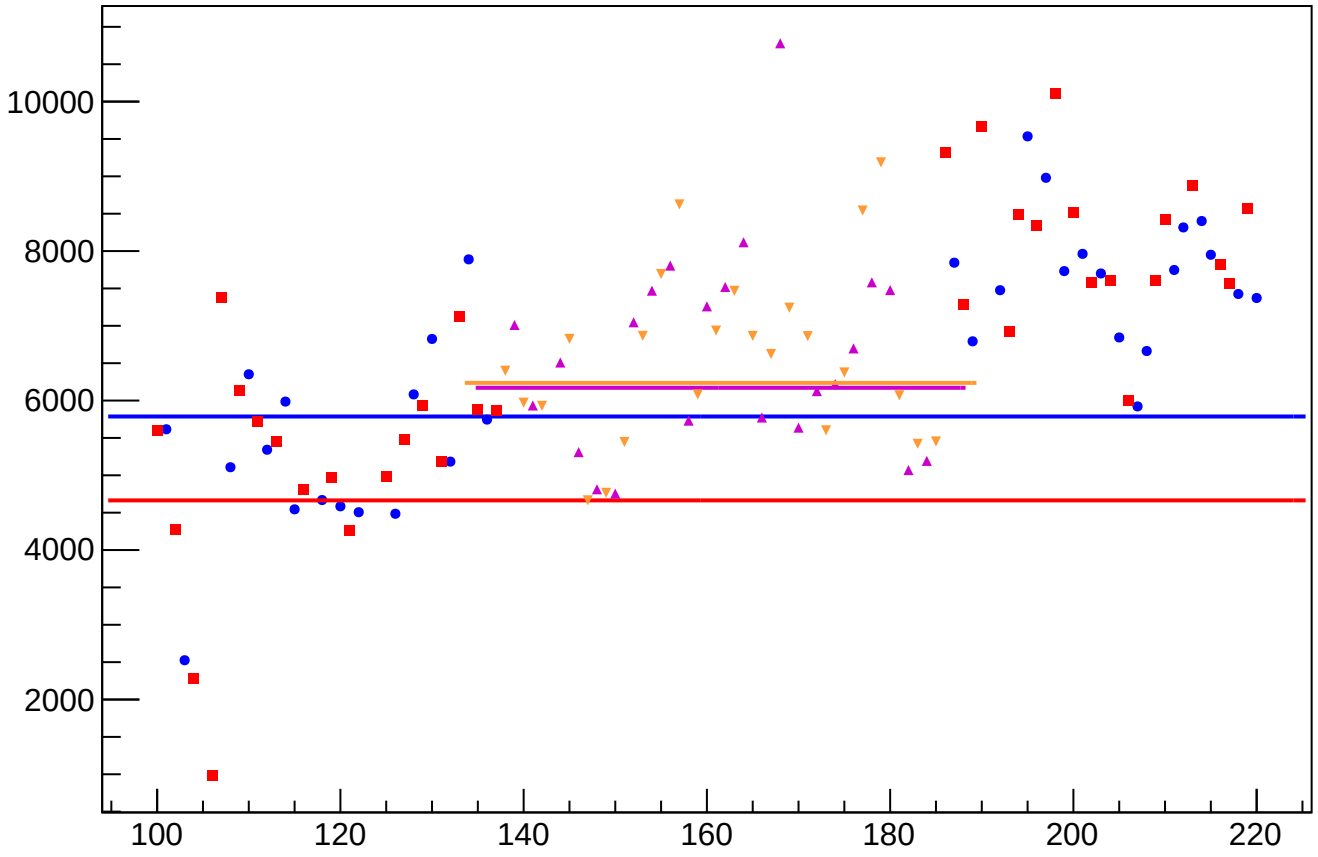
Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1813.970+/-0.204 χ^2/NDF: 331814.4/56

All: 1816.261+/-0.145 χ^2/NDF: 478044.6/114

- sign 1818.576+/-0.205 χ^2/NDF: 145977.2/57


asym_us_avg_atlr_avg_avg_reg_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 422.477+/-1334.019 χ²/NDF: 39.5/32
Left Out: -667.243+/-1478.798 χ²/NDF:29.8/23
Right Out: 263.892+/-1191.021 χ²/NDF: 43.3/34
Left In: 143.435+/-1471.371 χ²/NDF:13.6/22
+ sign -66.442+/-990.535 χ²/NDF: 69.6/56
All: 84.429+/-676.345 χ²/NDF: 126.5/114
- sign 216.208+/-925.742 χ²/NDF: 56.8/57



Right In: 5786.804+/-0.943 χ^2/NDF: 4142449.5/32

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4664.167+/-0.842 χ^2/NDF: 10720810.7/34

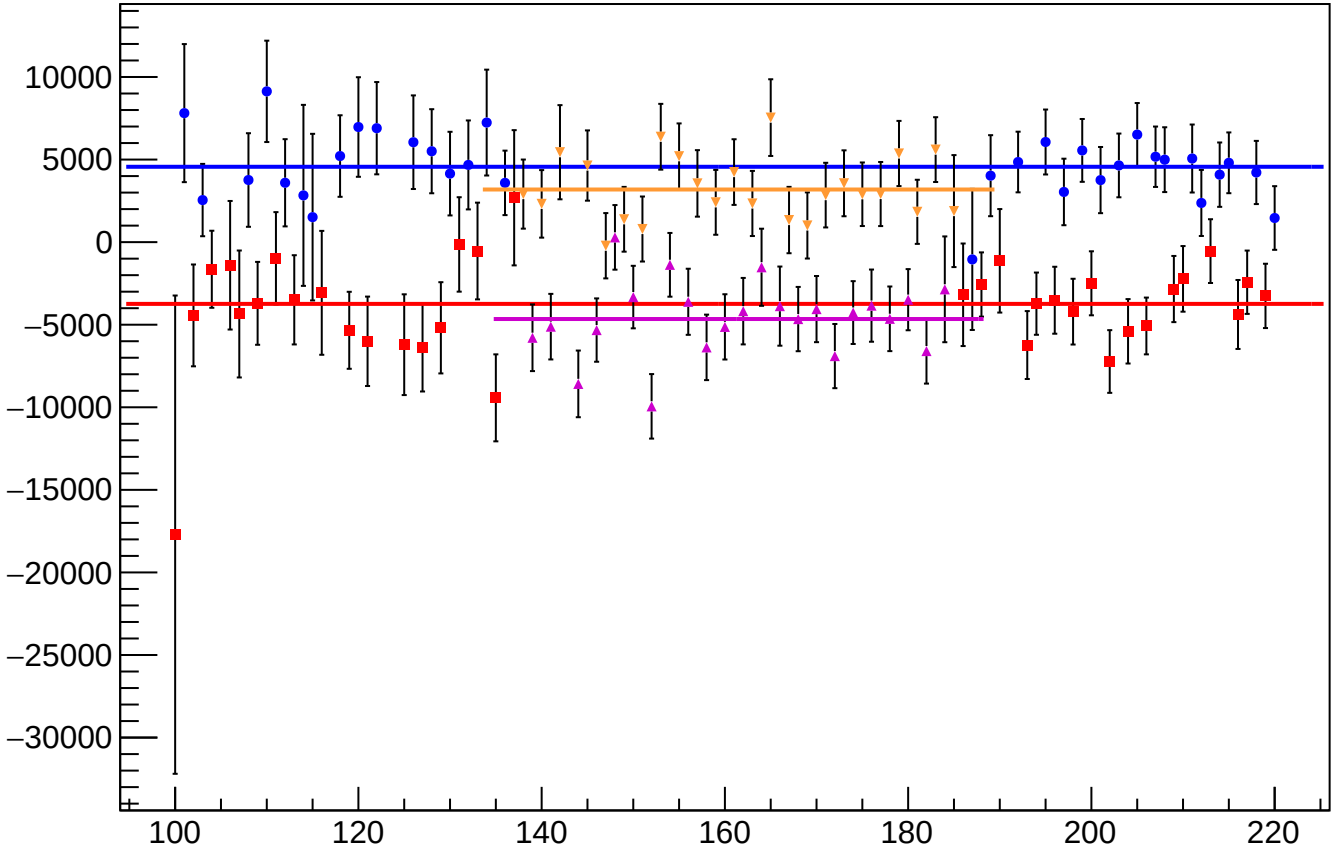
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5988.628+/-0.700 χ^2/NDF: 5312139.2/56

All: 5600.010+/-0.478 χ^2/NDF: 19114125.6/1

- sign 5260.571+/-0.655 χ^2/NDF: 13225250.1/57

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4563.304+/-398.946 χ^2/NDF: 15.7/32

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3739.153+/-400.638 χ^2/NDF: 28.1/34

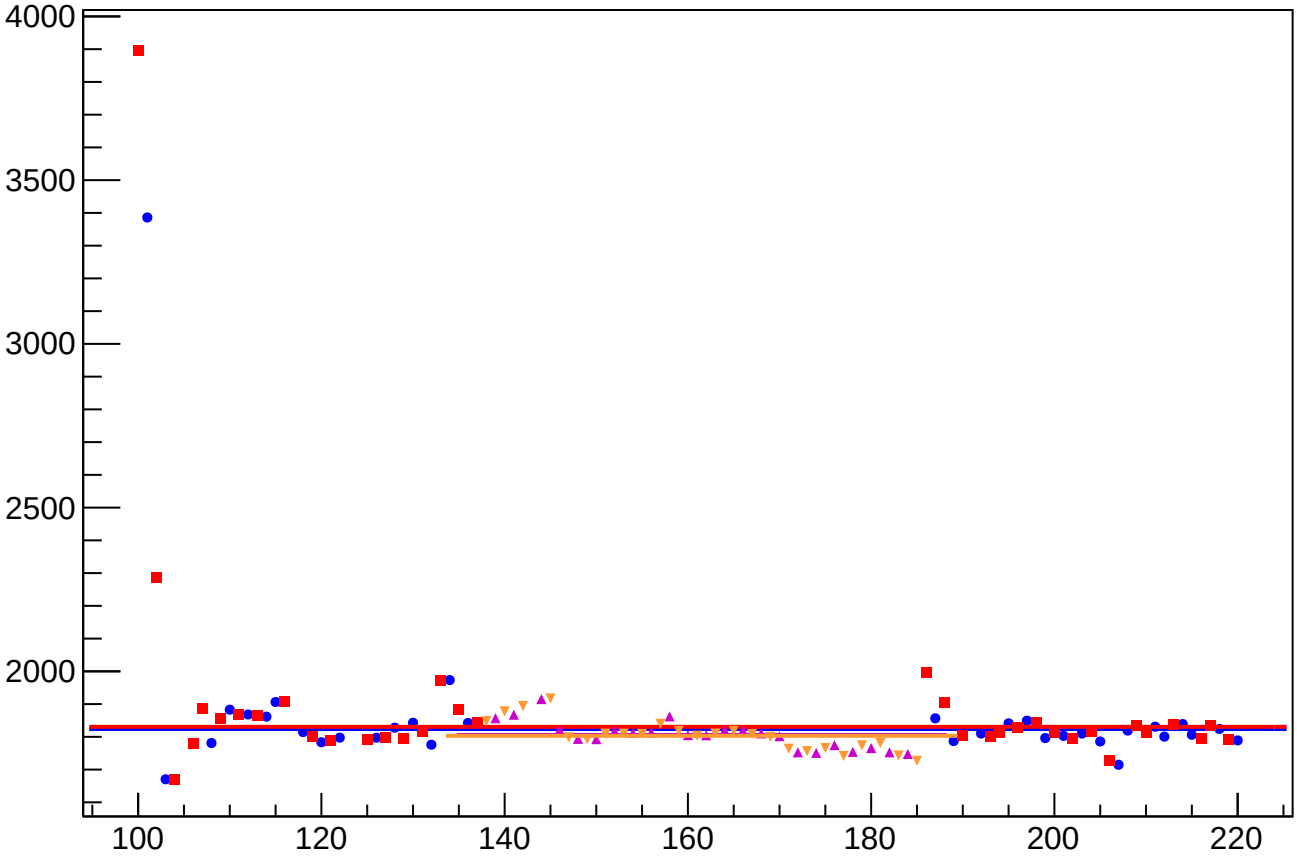
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3908.277+/-288.802 χ^2/NDF: 41.2/56

All: -109.719+/-204.794 χ^2/NDF: 488.8/114

- sign -4173.750+/-290.452 χ^2/NDF: 58.3/57

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1823.829+/-0.282 χ^2/NDF: 308608.8/32

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

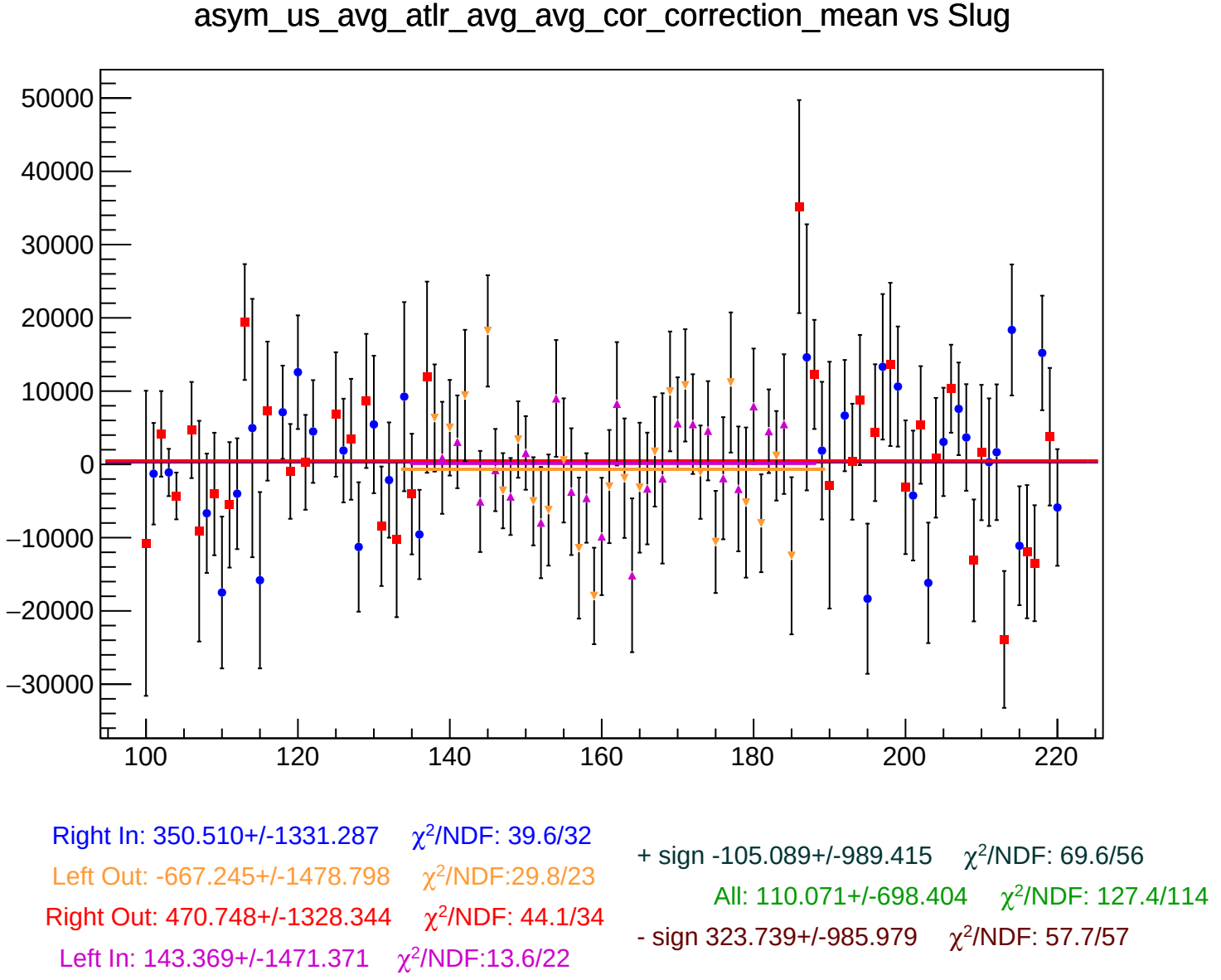
Right Out: 1830.533+/-0.283 χ^2/NDF: 122705.2/34

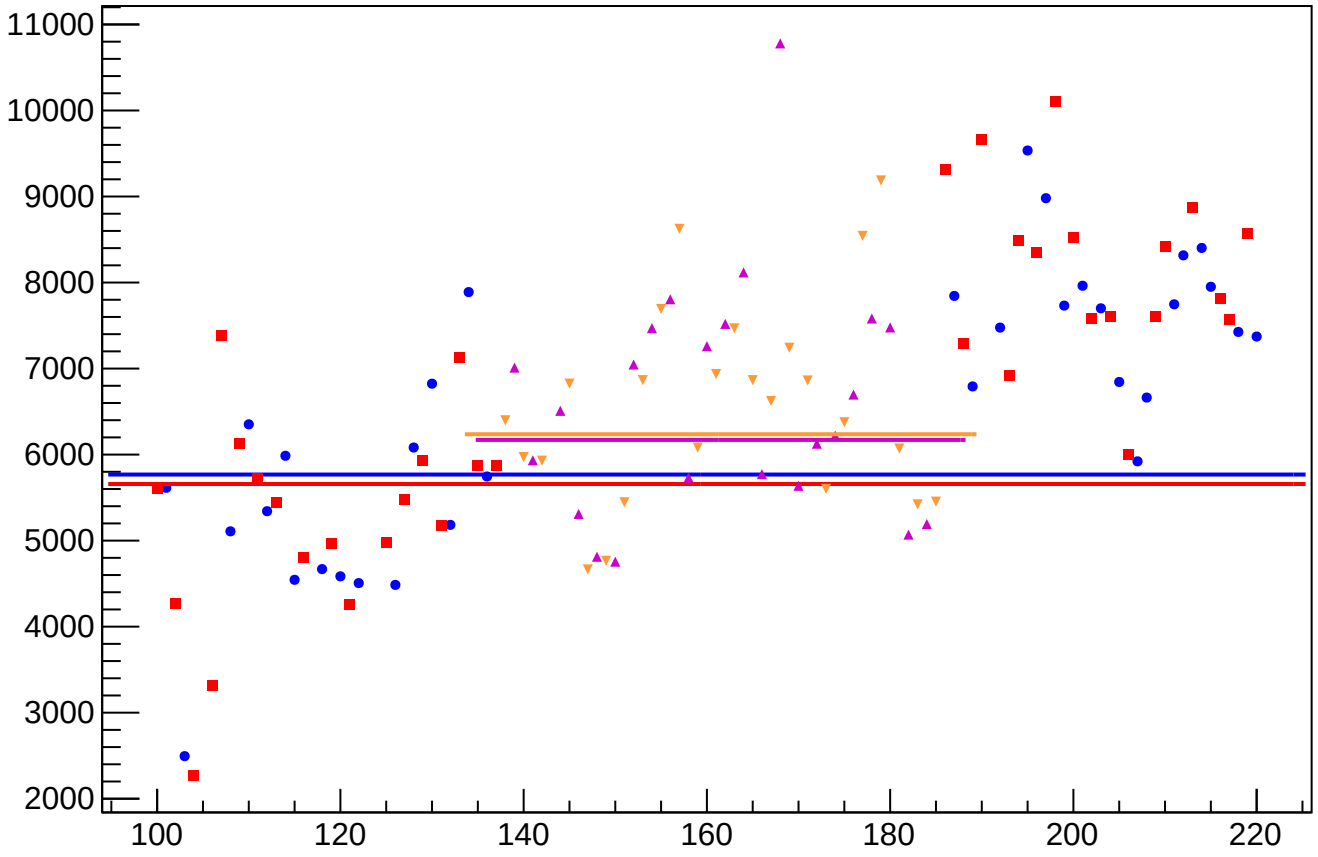
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1813.970+/-0.204 χ^2/NDF: 331816.2/56

All: 1816.321+/-0.145 χ^2/NDF: 477792.8/114

- sign 1818.696+/-0.205 χ^2/NDF: 145710.1/57


asym_us_avg_atlr_avg_avg_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 350.510+/-1331.287 χ²/NDF: 39.6/32
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 470.748+/-1328.344 χ²/NDF: 44.1/34
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -105.089+/-989.415 χ²/NDF: 69.6/56
All: 110.071+/-698.404 χ²/NDF: 127.4/114
- sign 323.739+/-985.979 χ²/NDF: 57.7/57



Right In: 5768.210+/-0.941 χ^2/NDF: 4229761.6/32

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

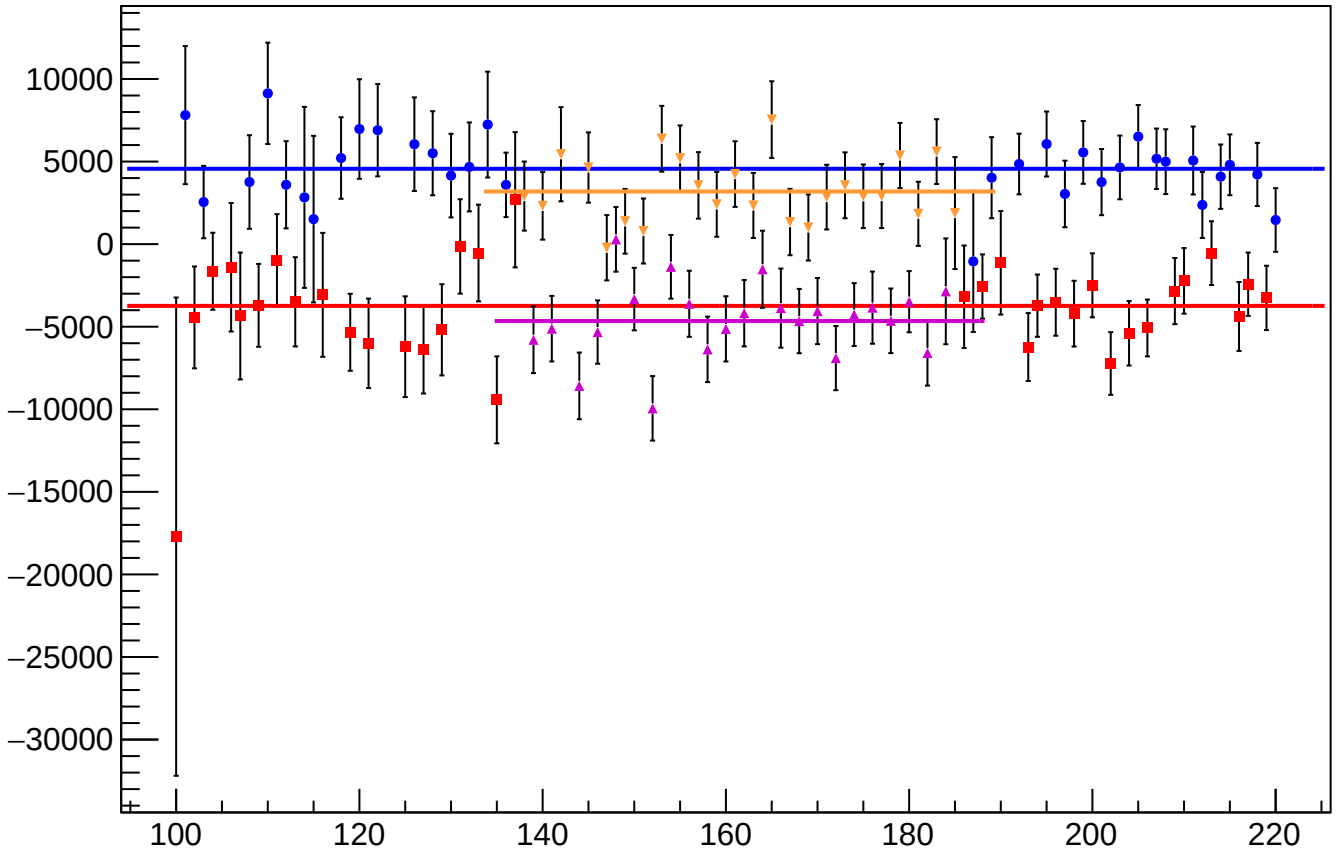
Right Out: 5658.107+/-0.939 χ^2/NDF: 5301326.1/34

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5977.901+/-0.700 χ^2/NDF: 5408269.3/56

All: 5932.957+/-0.494 χ^2/NDF: 12089166.6/1

- sign 5888.325+/-0.697 χ^2/NDF: 6672672.3/57



Right In: 4563.304+/-398.946 χ^2/NDF: 15.7/32

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -3739.153+/-400.638 χ^2/NDF: 28.1/34

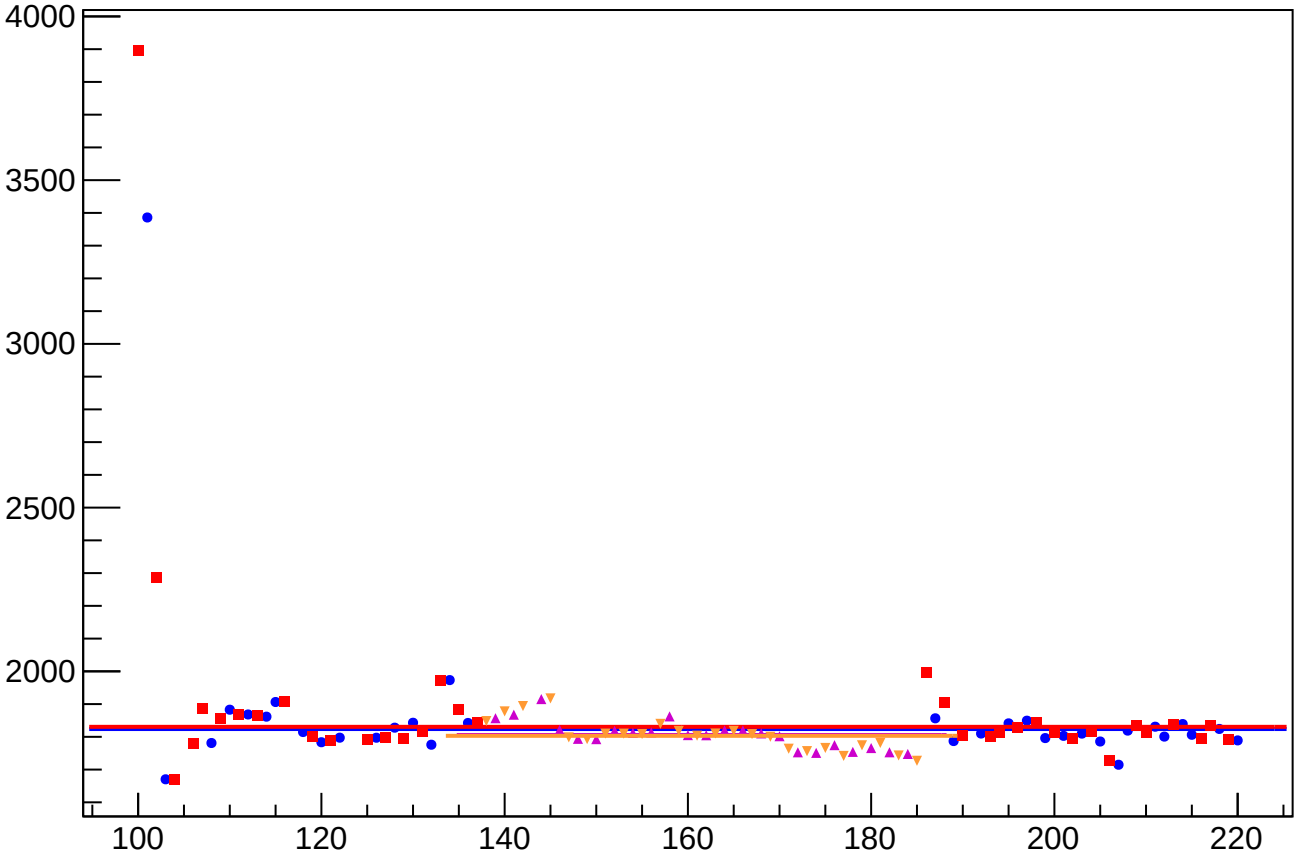
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3908.277+/-288.802 χ^2/NDF: 41.2/56

All: -109.719+/-204.794 χ^2/NDF: 488.8/114

- sign -4173.750+/-290.452 χ^2/NDF: 58.3/57

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1823.829+/-0.282 χ^2/NDF: 308608.8/32

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

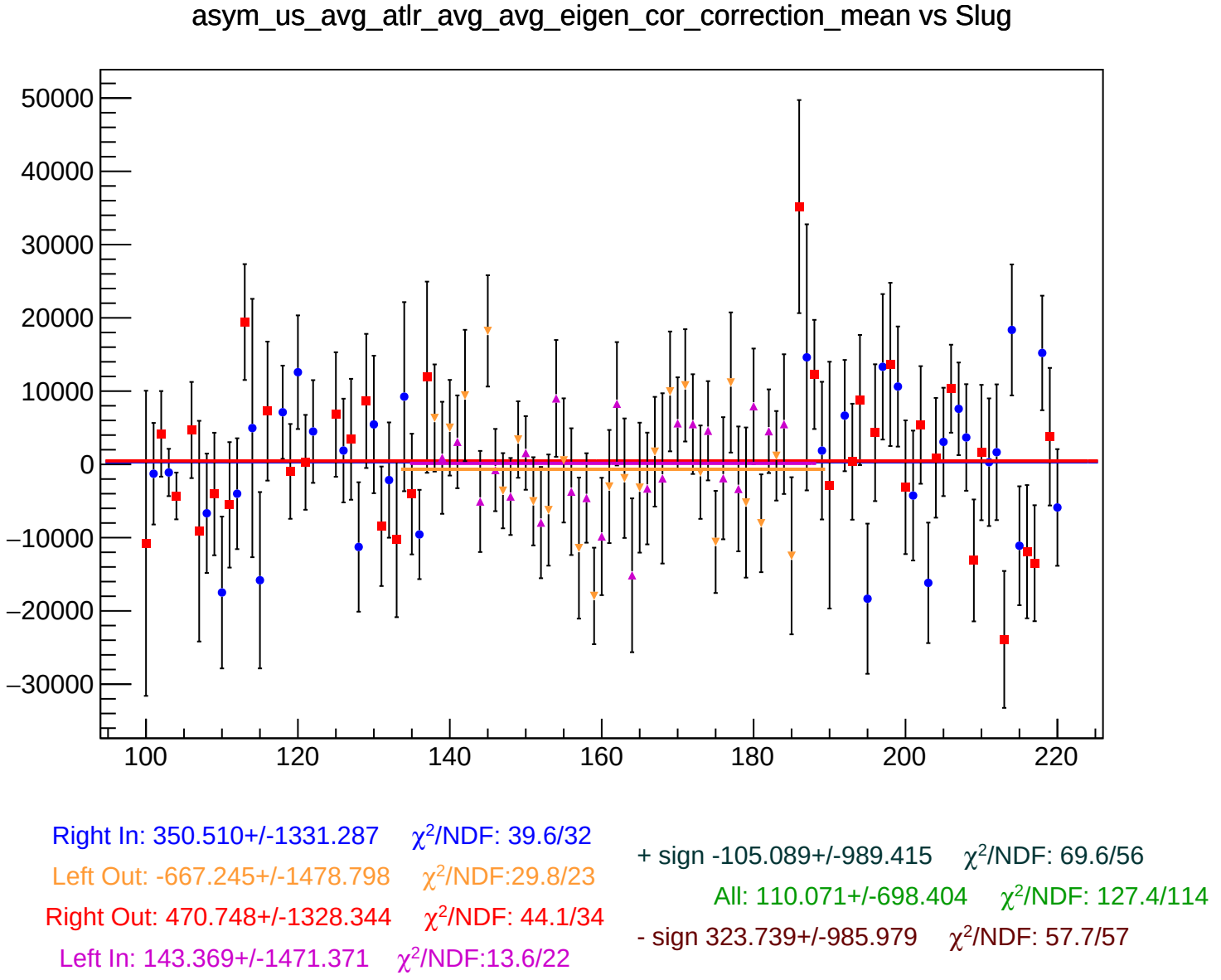
Right Out: 1830.533+/-0.283 χ^2/NDF: 122705.2/34

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1813.970+/-0.204 χ^2/NDF: 331816.2/56

All: 1816.321+/-0.145 χ^2/NDF: 477792.8/114

- sign 1818.696+/-0.205 χ^2/NDF: 145710.1/57


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
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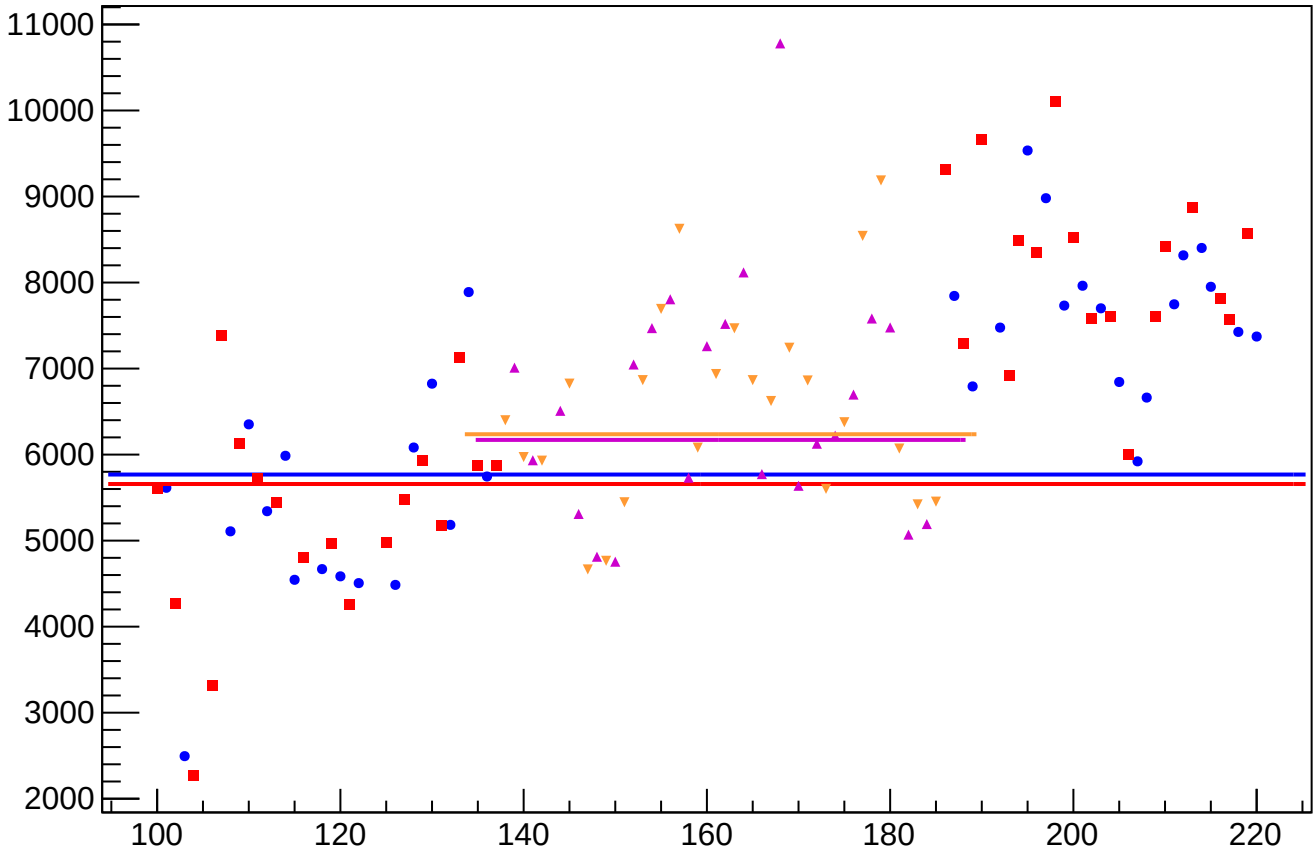
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 350.510+/-1331.287 χ²/NDF: 39.6/32
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 470.748+/-1328.344 χ²/NDF: 44.1/34
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -105.089+/-989.415 χ²/NDF: 69.6/56
All: 110.071+/-698.404 χ²/NDF: 127.4/114
- sign 323.739+/-985.979 χ²/NDF: 57.7/57



Right In: 5768.210+/-0.941 χ^2/NDF: 4229761.6/32

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5658.107+/-0.939 χ^2/NDF: 5301326.1/34

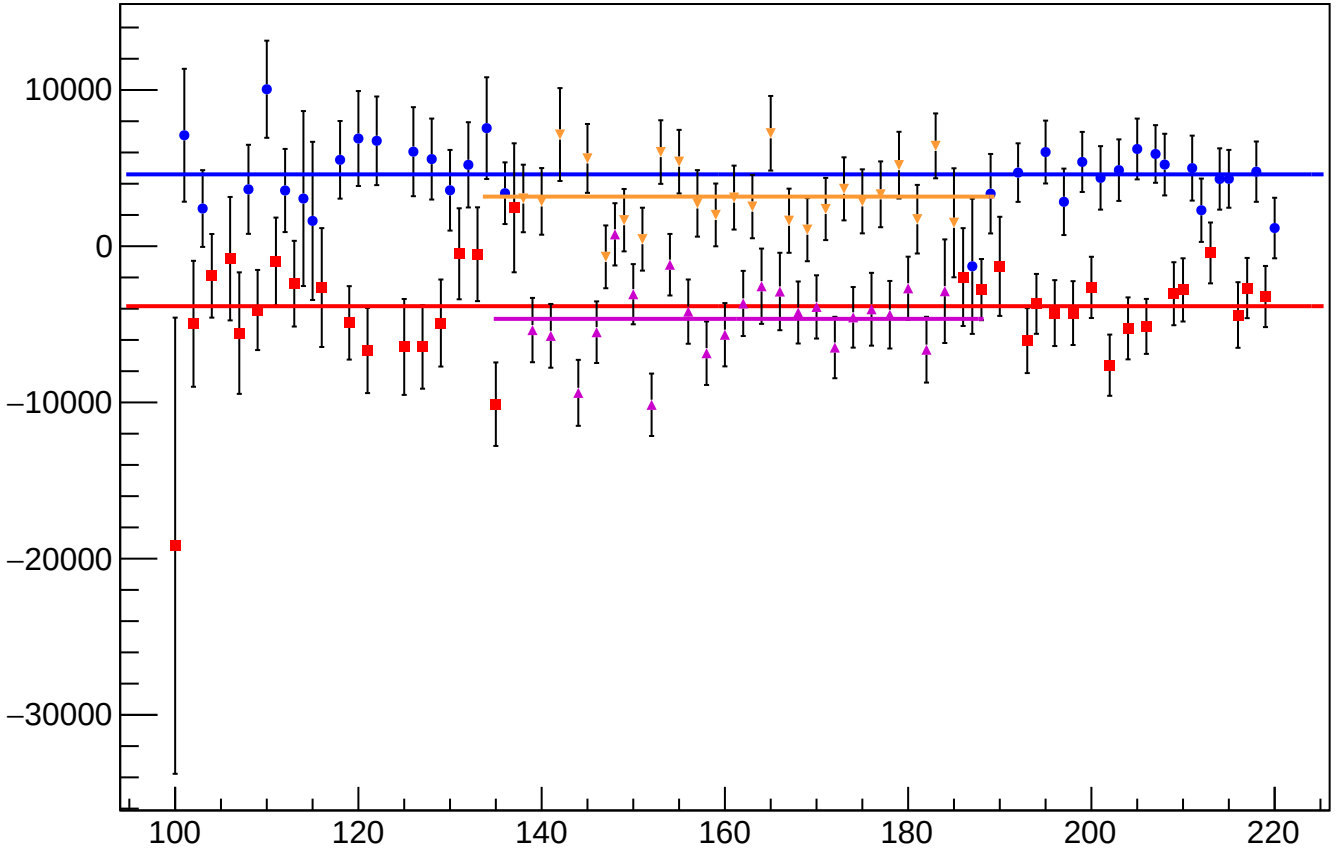
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5977.901+/-0.700 χ^2/NDF: 5408269.3/56

All: 5932.957+/-0.494 χ^2/NDF: 12089166.6/1

- sign 5888.325+/-0.697 χ^2/NDF: 6672672.3/57

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4599.313+/-405.974 χ^2/NDF: 17.3/32

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -3838.782+/-409.183 χ^2/NDF: 29.1/34

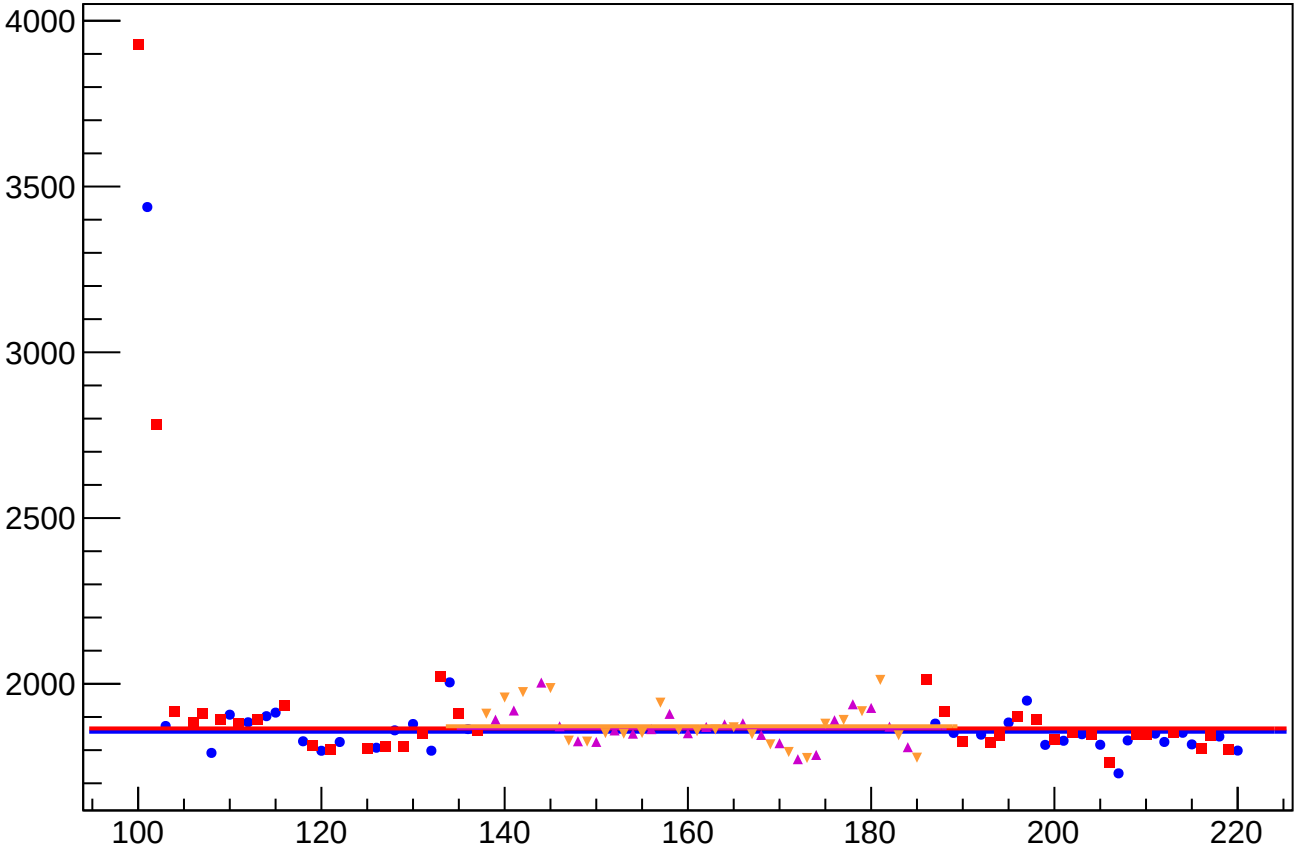
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3935.746+/-296.740 χ^2/NDF: 44.6/56

All: -118.329+/-210.422 χ^2/NDF: 481.5/114

- sign -4218.709+/-298.430 χ^2/NDF: 61.5/57

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1855.563+/-0.287 χ^2/NDF: 305473.6/32

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

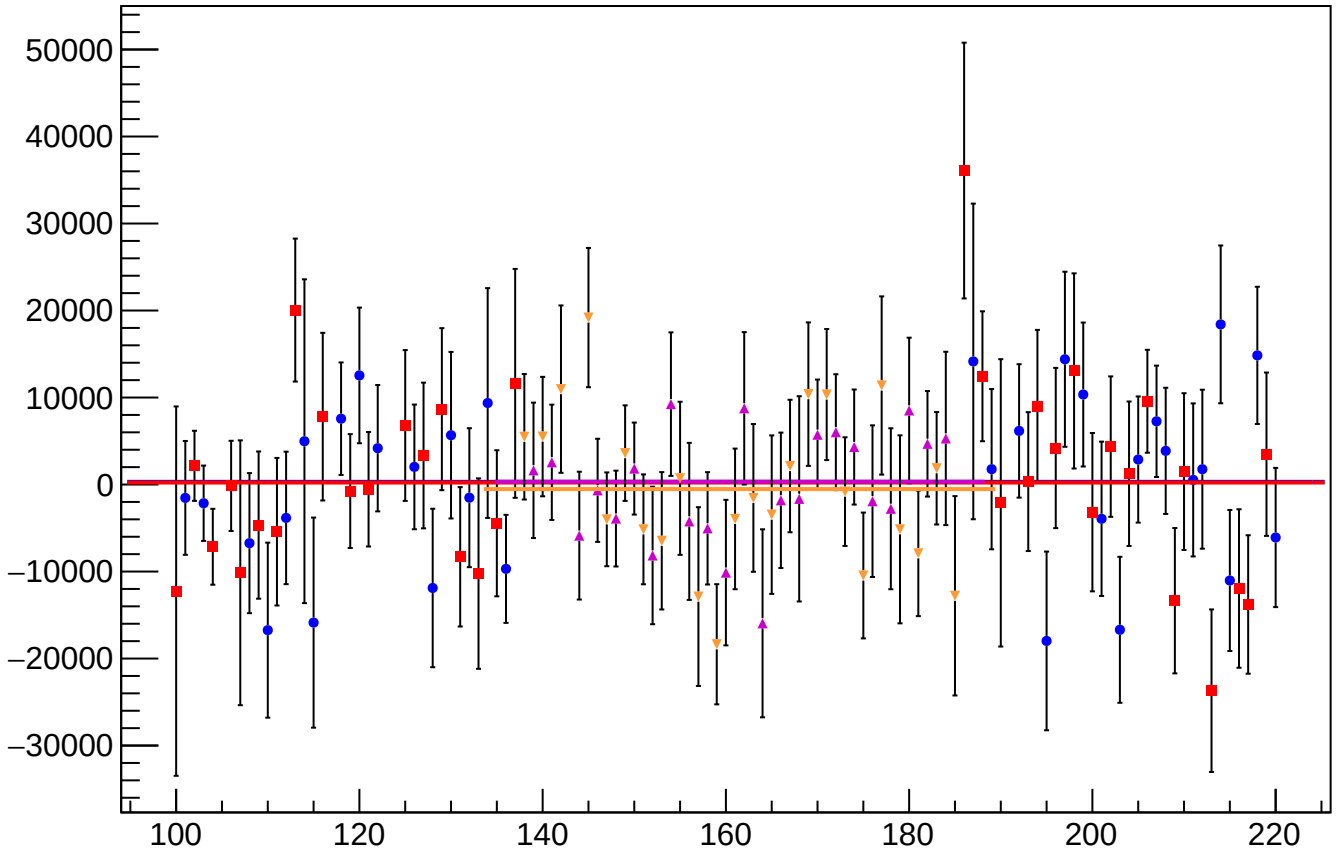
Right Out: 1865.448+/-0.289 χ^2/NDF: 175914.5/34

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1863.209+/-0.210 χ^2/NDF: 344151.6/56

All: 1864.702+/-0.149 χ^2/NDF: 547429.4/114

- sign 1866.211+/-0.211 χ^2/NDF: 203176.0/57



Right In: 310.593+/-1390.261 χ^2/NDF: 39.2/32

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

Right Out: 229.762+/-1332.211 χ^2/NDF: 44.1/34

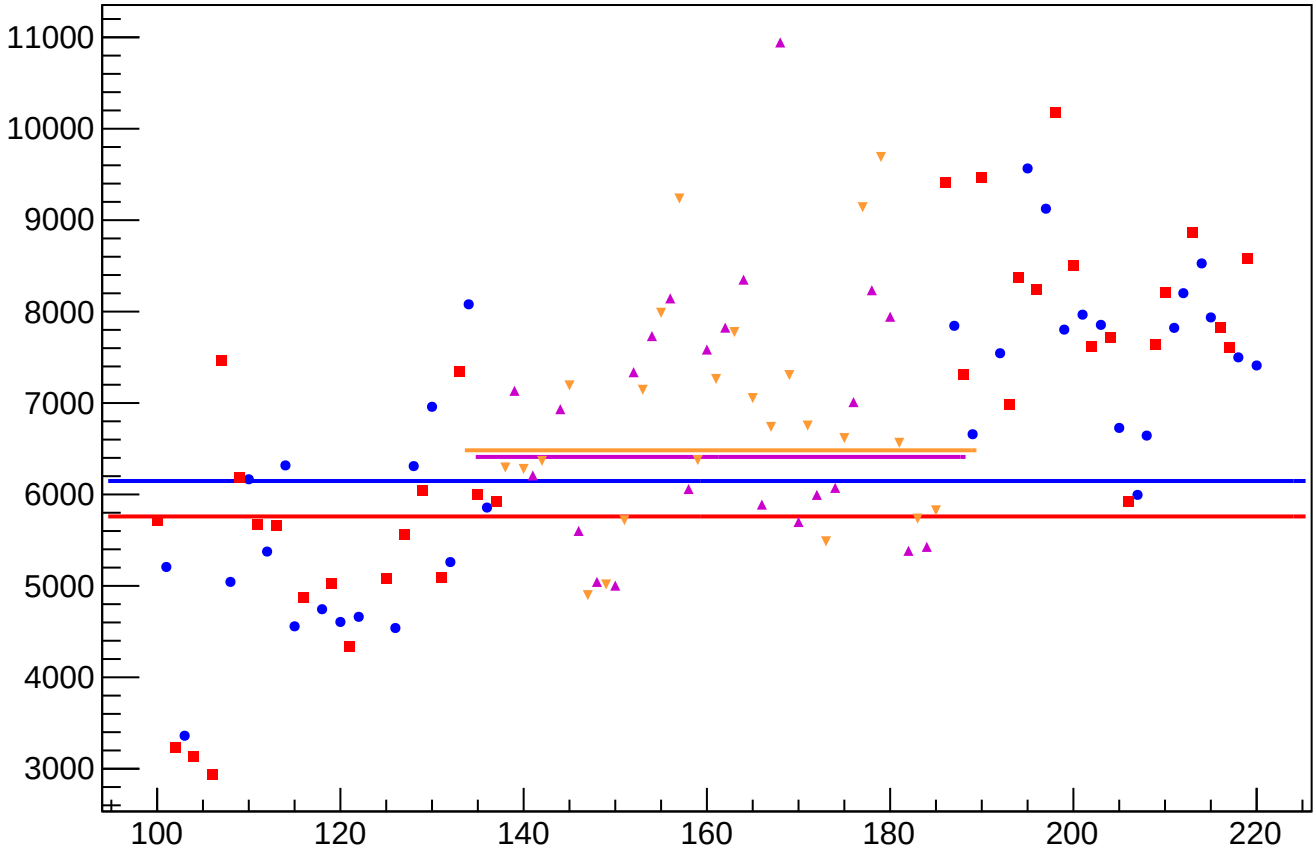
Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -63.347+/-1030.983 χ^2/NDF: 68.5/56

All: 108.096+/-719.339 χ^2/NDF: 126.1/114

- sign 270.730+/-1004.148 χ^2/NDF: 57.5/57

asym_us_avg_atlr_avg_avg_dit_correction_rms vs Slug



Right In: 6147.096+/-0.983 χ^2/NDF: 2681211.5/32

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

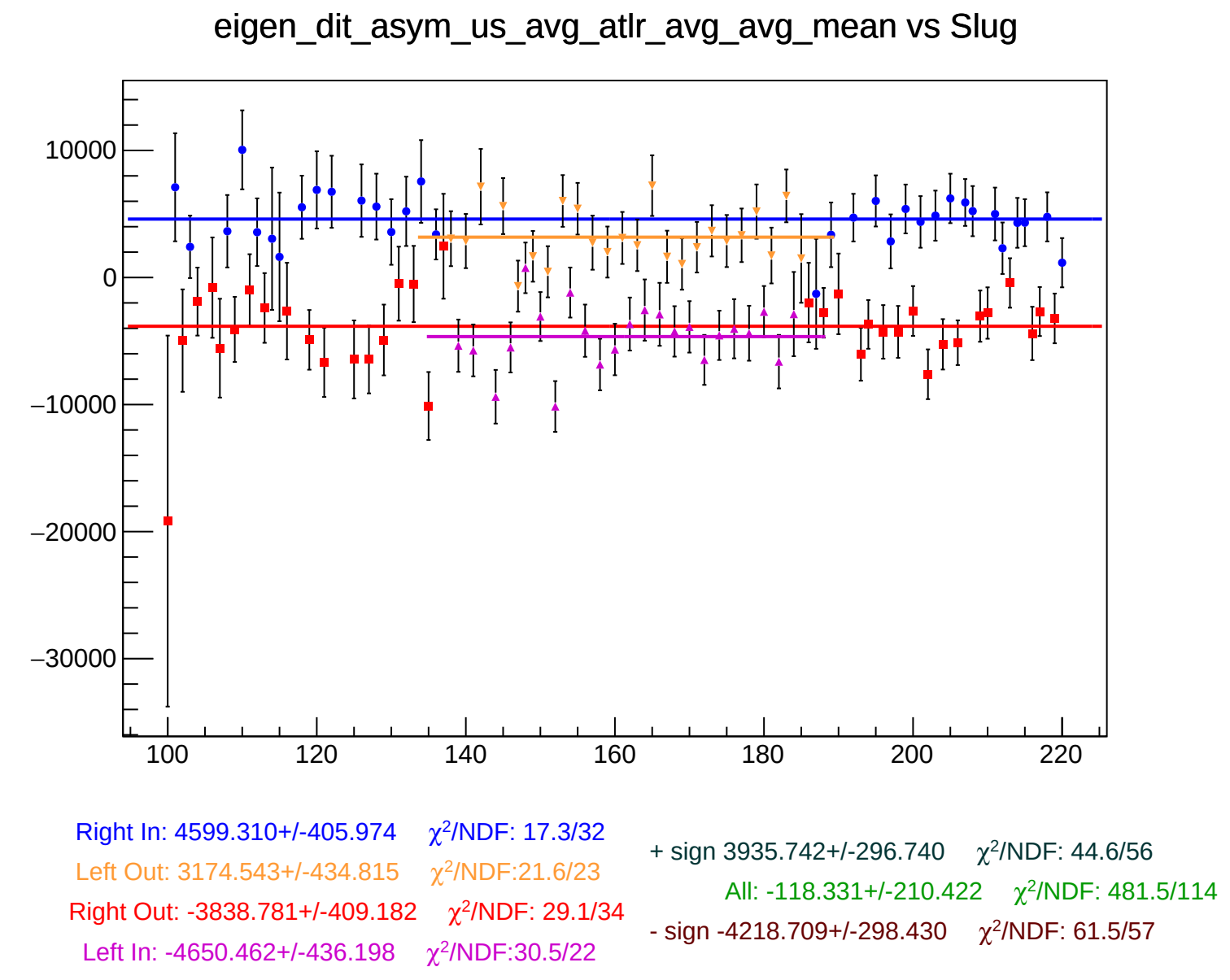
Right Out: 5759.410+/-0.942 χ^2/NDF: 4602221.9/34

Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

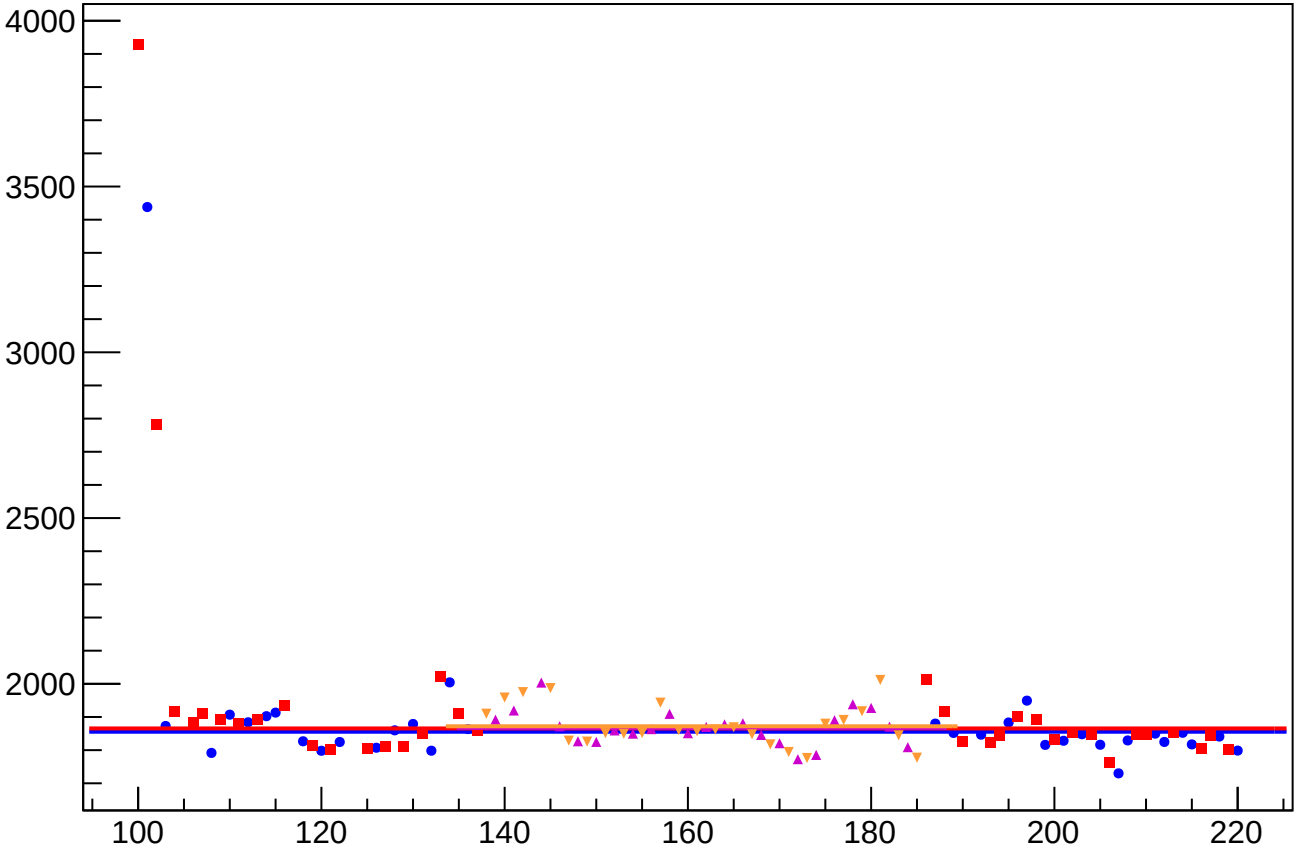
+ sign 6298.154+/-0.729 χ^2/NDF: 3808258.4/56

All: 6165.961+/-0.509 χ^2/NDF: 9900639.9/11

- sign 6040.560+/-0.710 χ^2/NDF: 6028309.1/57


eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 4599.310+/-405.974 χ²/NDF: 17.3/32
Left Out: 3174.543+/-434.815 χ²/NDF:21.6/23
Right Out: -3838.781+/-409.182 χ²/NDF: 29.1/34
Left In: -4650.462+/-436.198 χ²/NDF:30.5/22
+ sign 3935.742+/-296.740 χ²/NDF: 44.6/56
All: -118.331+/-210.422 χ²/NDF: 481.5/114
- sign -4218.709+/-298.430 χ²/NDF: 61.5/57

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1855.563+/-0.287 χ^2/NDF: 305473.6/32

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

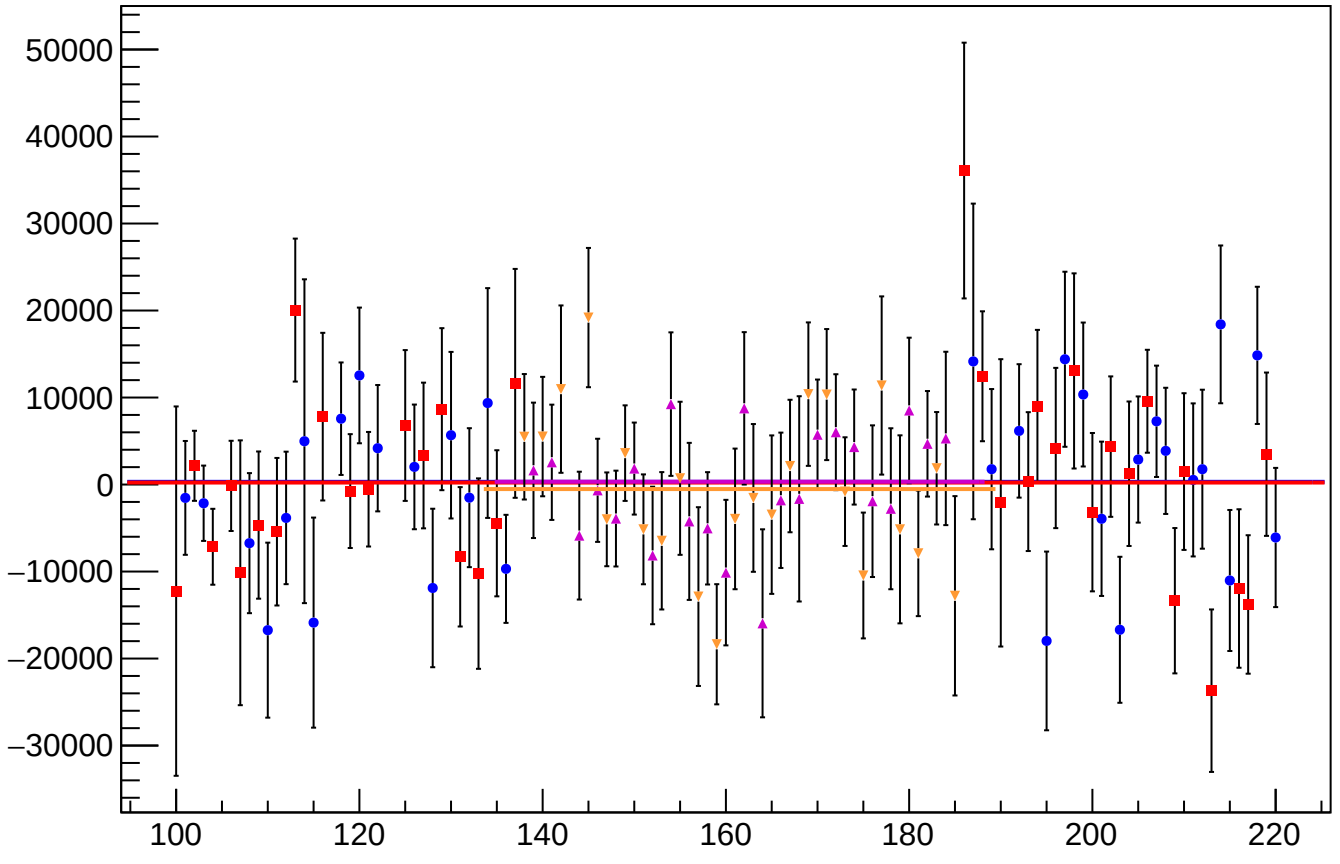
Right Out: 1865.448+/-0.289 χ^2/NDF: 175913.6/34

Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1863.209+/-0.210 χ^2/NDF: 344152.9/56

All: 1864.702+/-0.149 χ^2/NDF: 547431.1/114

- sign 1866.212+/-0.211 χ^2/NDF: 203176.3/57



Right In: 310.593+/-1390.260 χ^2/NDF: 39.2/32

Left Out: -520.268+/-1536.787 χ^2/NDF:29.2/23

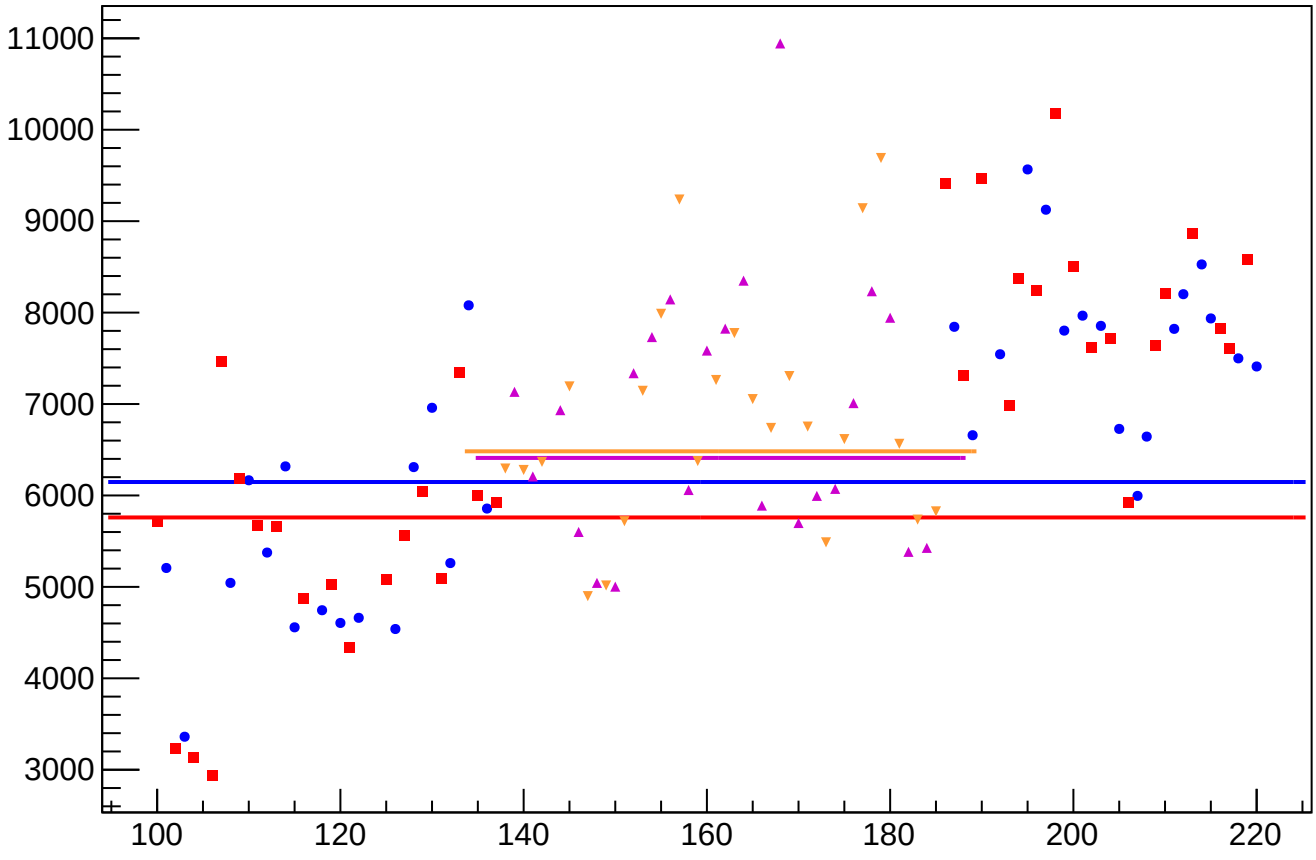
Right Out: 229.758+/-1332.209 χ^2/NDF: 44.1/34

Left In: 324.626+/-1527.998 χ^2/NDF:13.4/22

+ sign -63.349+/-1030.983 χ^2/NDF: 68.5/56

All: 108.094+/-719.340 χ^2/NDF: 126.1/114

- sign 270.728+/-1004.148 χ^2/NDF: 57.5/57



Right In: 6147.090+/-0.983 χ^2/NDF: 2681248.0/32

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5759.401+/-0.942 χ^2/NDF: 4602260.6/34

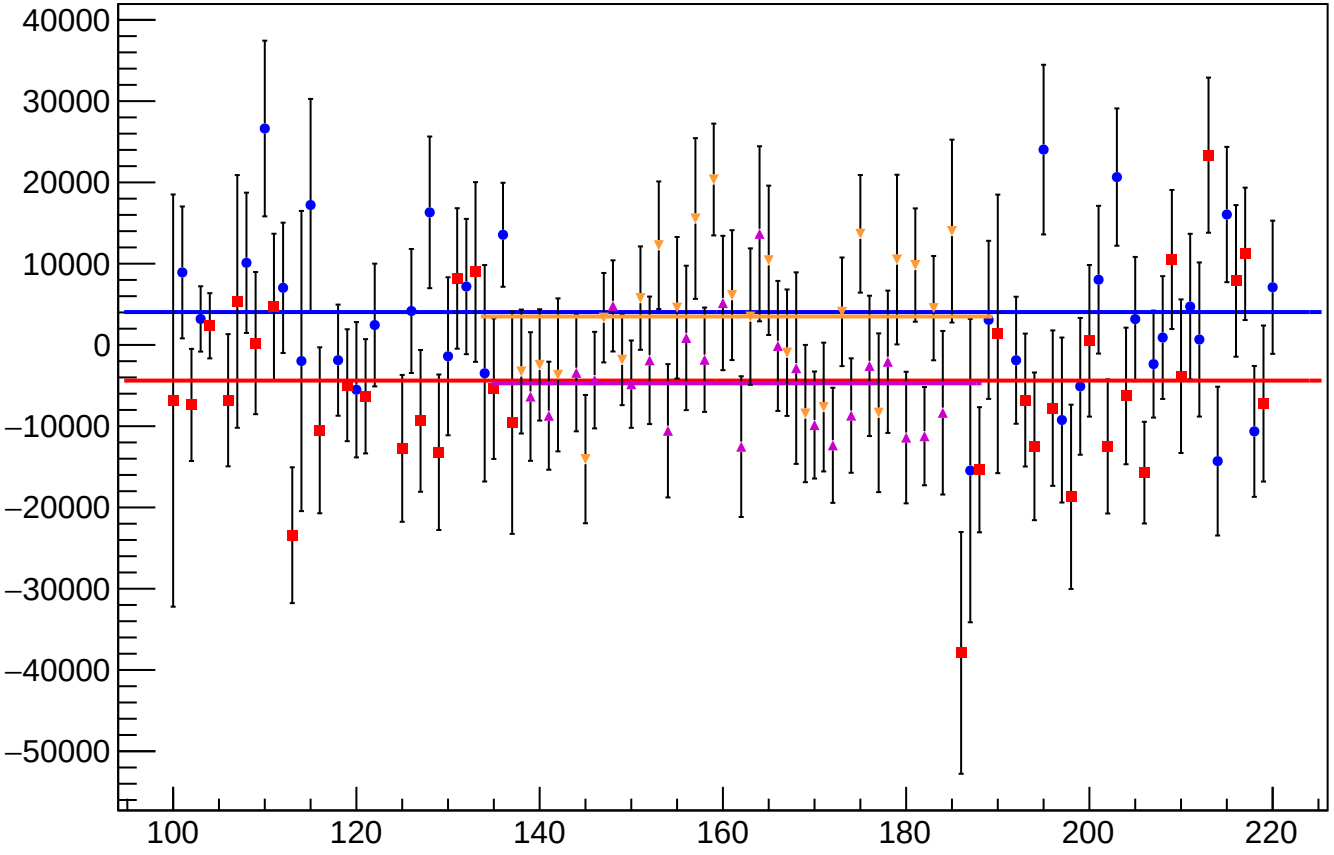
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6298.155+/-0.729 χ^2/NDF: 3808302.6/56

All: 6165.961+/-0.509 χ^2/NDF: 9900738.7/11

- sign 6040.559+/-0.710 χ^2/NDF: 6028362.7/57

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4045.553+/-1432.402 χ^2/NDF: 36.5/32

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -4386.970+/-1442.240 χ^2/NDF: 47.5/34

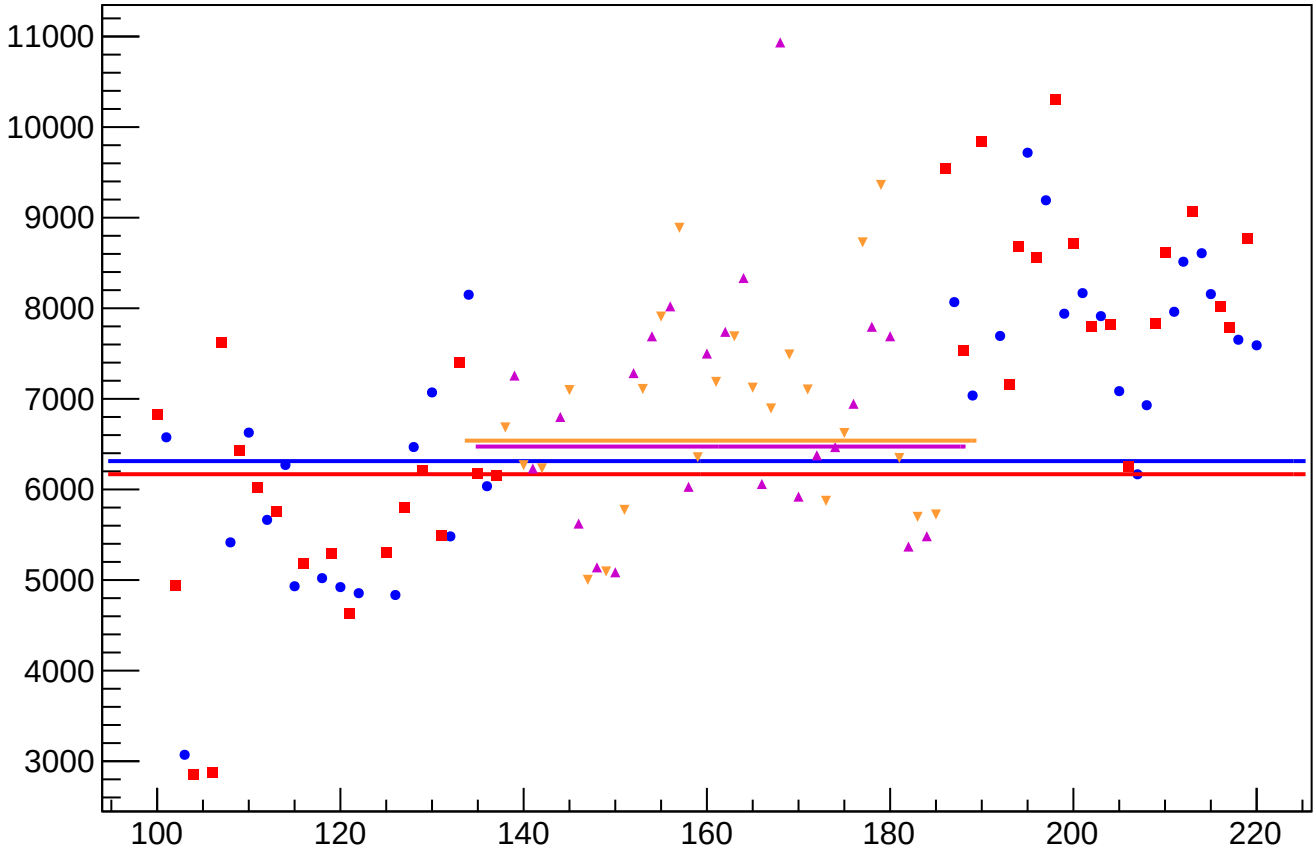
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

\+ sign 3792.215+/-1050.678 χ^2/NDF: 64.0/56

All: -368.214+/-743.556 χ^2/NDF: 157.2/114

\- sign -4542.451+/-1052.420 χ^2/NDF: 61.8/57

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 6312.830+/-1.013 χ^2/NDF: 2945999.3/32

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

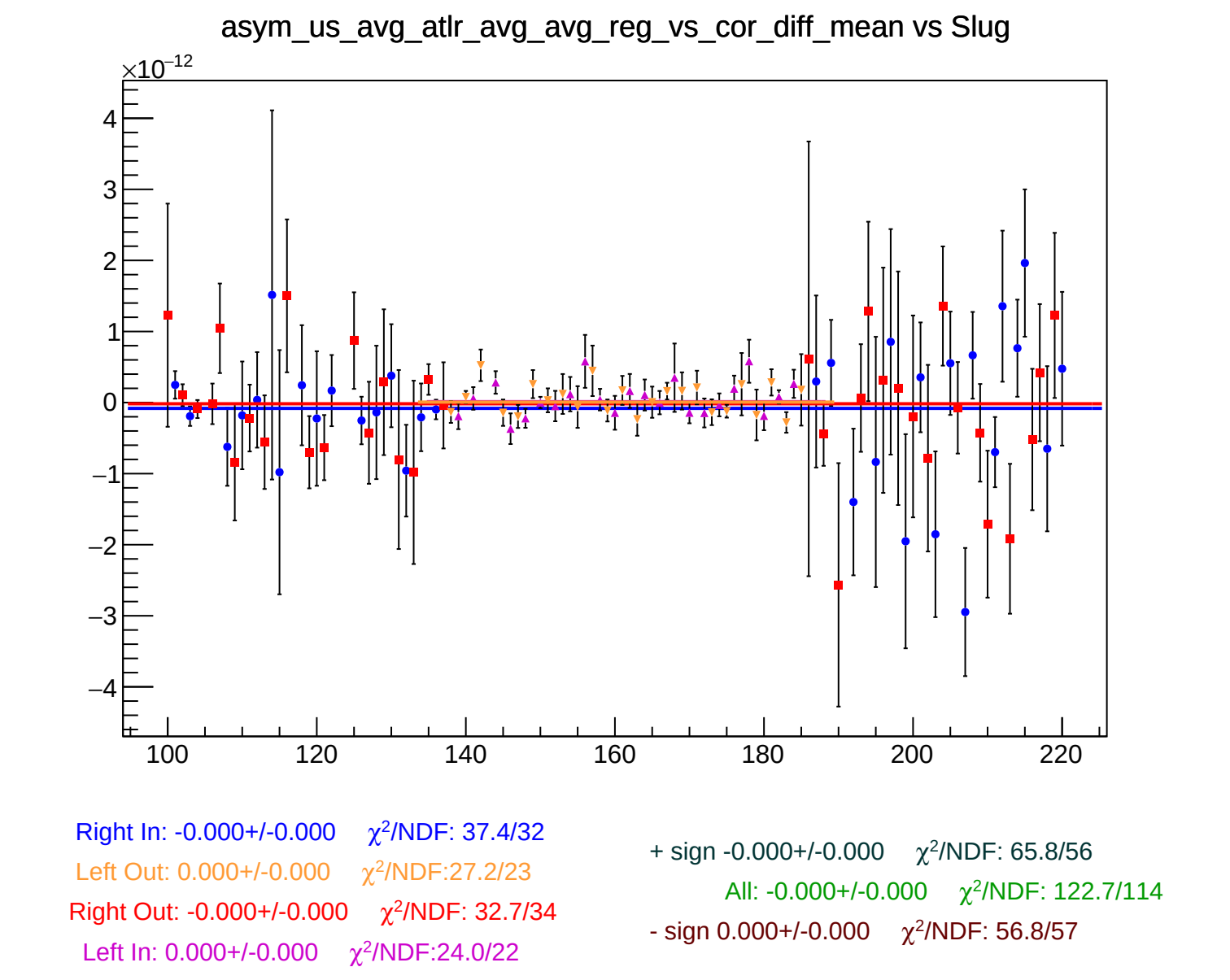
Right Out: 6168.248+/-1.008 χ^2/NDF: 4066943.6/34

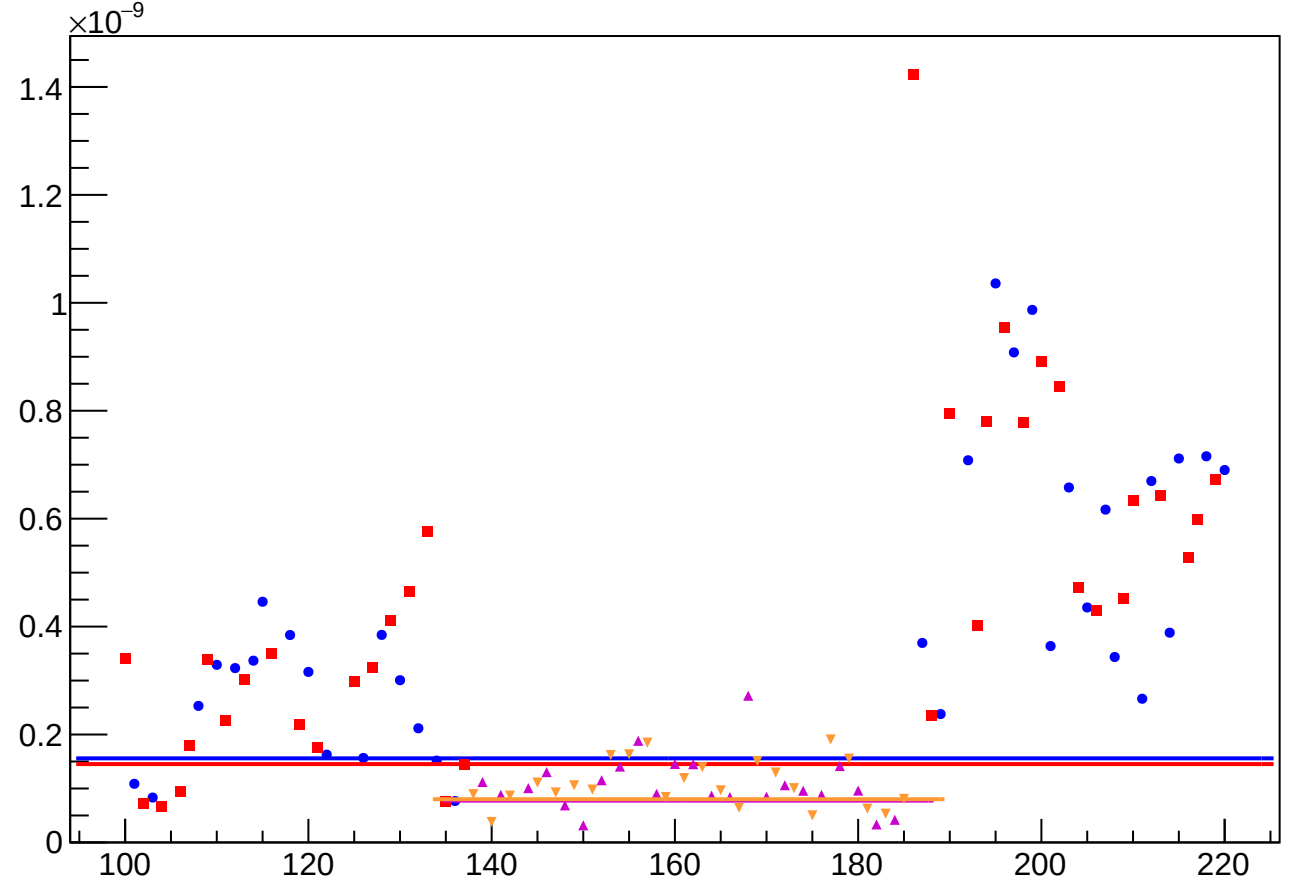
Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

\+ sign 6417.177+/-0.743 χ^2/NDF: 3889586.3/56

All: 6362.940+/-0.524 χ^2/NDF: 9081231.9/11

\- sign 6309.193+/-0.740 χ^2/NDF: 5181034.9/57


asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
4
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 37.4/32
Left Out: 0.000+/-0.000 χ²/NDF:27.2/23
Right Out: -0.000+/-0.000 χ²/NDF: 32.7/34
Left In: 0.000+/-0.000 χ²/NDF:24.0/22
+ sign -0.000+/-0.000 χ²/NDF: 65.8/56
All: -0.000+/-0.000 χ²/NDF: 122.7/114
- sign 0.000+/-0.000 χ²/NDF: 56.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 8190440.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

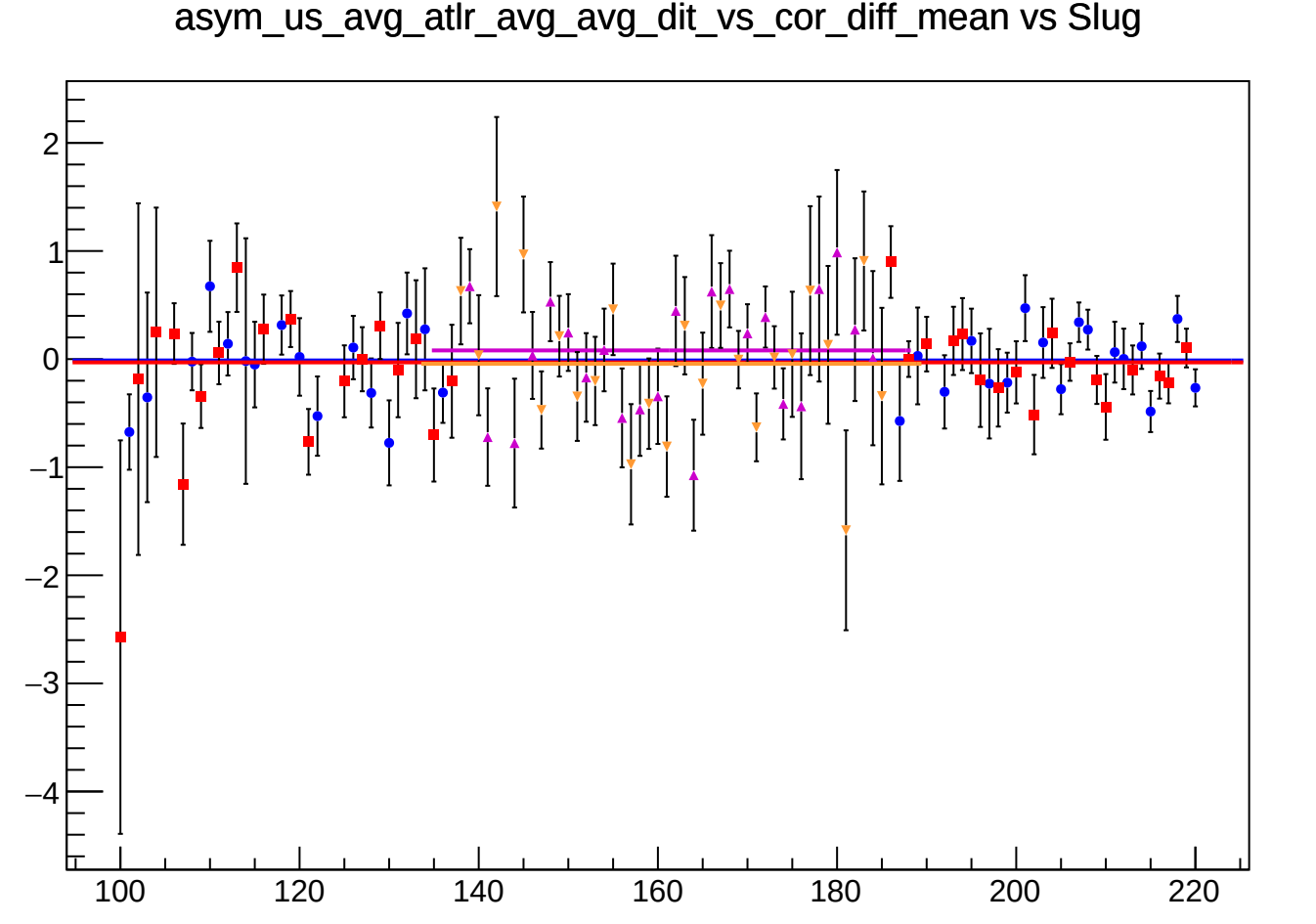
Right Out: 0.000+/-0.000 χ^2/NDF: 9186377.4/34

Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12099071.8/56

All: 0.000+/-0.000 χ^2/NDF: 25357181.5/114

- sign 0.000+/-0.000 χ^2/NDF: 13237873.0/57



Right In: -0.013+/-0.050 χ^2/NDF: 42.8/32

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

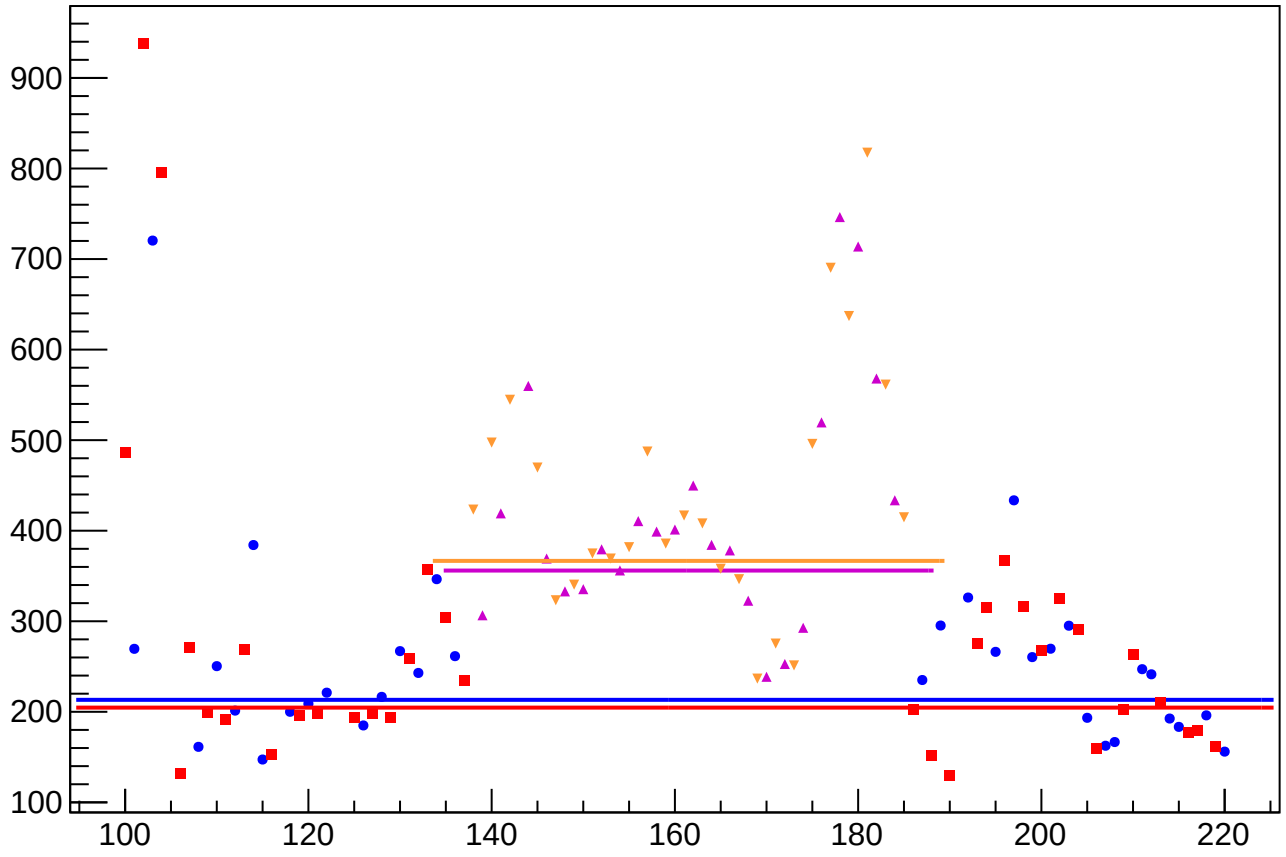
Right Out: -0.030+/-0.049 χ^2/NDF: 43.0/34

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.020+/-0.044 χ^2/NDF: 73.8/56

All: -0.012+/-0.031 χ^2/NDF: 148.4/114

- sign -0.004+/-0.043 χ^2/NDF: 74.5/57



Right In: 213.223+/-0.035 χ^2/NDF: 2675628.2/32

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

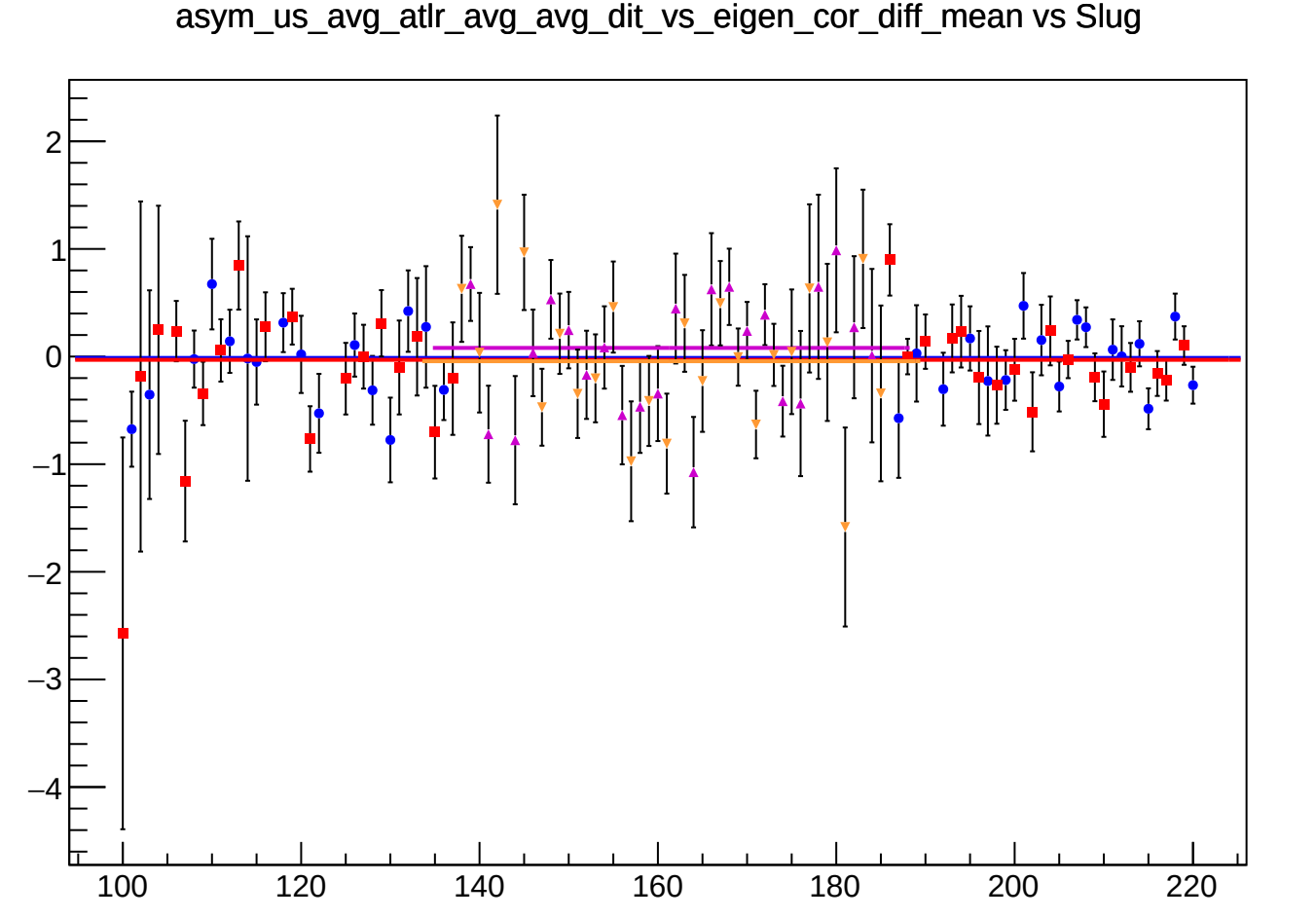
Right Out: 204.631+/-0.035 χ^2/NDF: 3594255.9/34

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 248.979+/-0.031 χ^2/NDF: 9930935.7/56

All: 244.584+/-0.022 χ^2/NDF: 20528487.6/11

- sign 240.389+/-0.030 χ^2/NDF: 10557949.2/57



Right In: -0.013+/-0.050 χ^2/NDF: 42.8/32

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

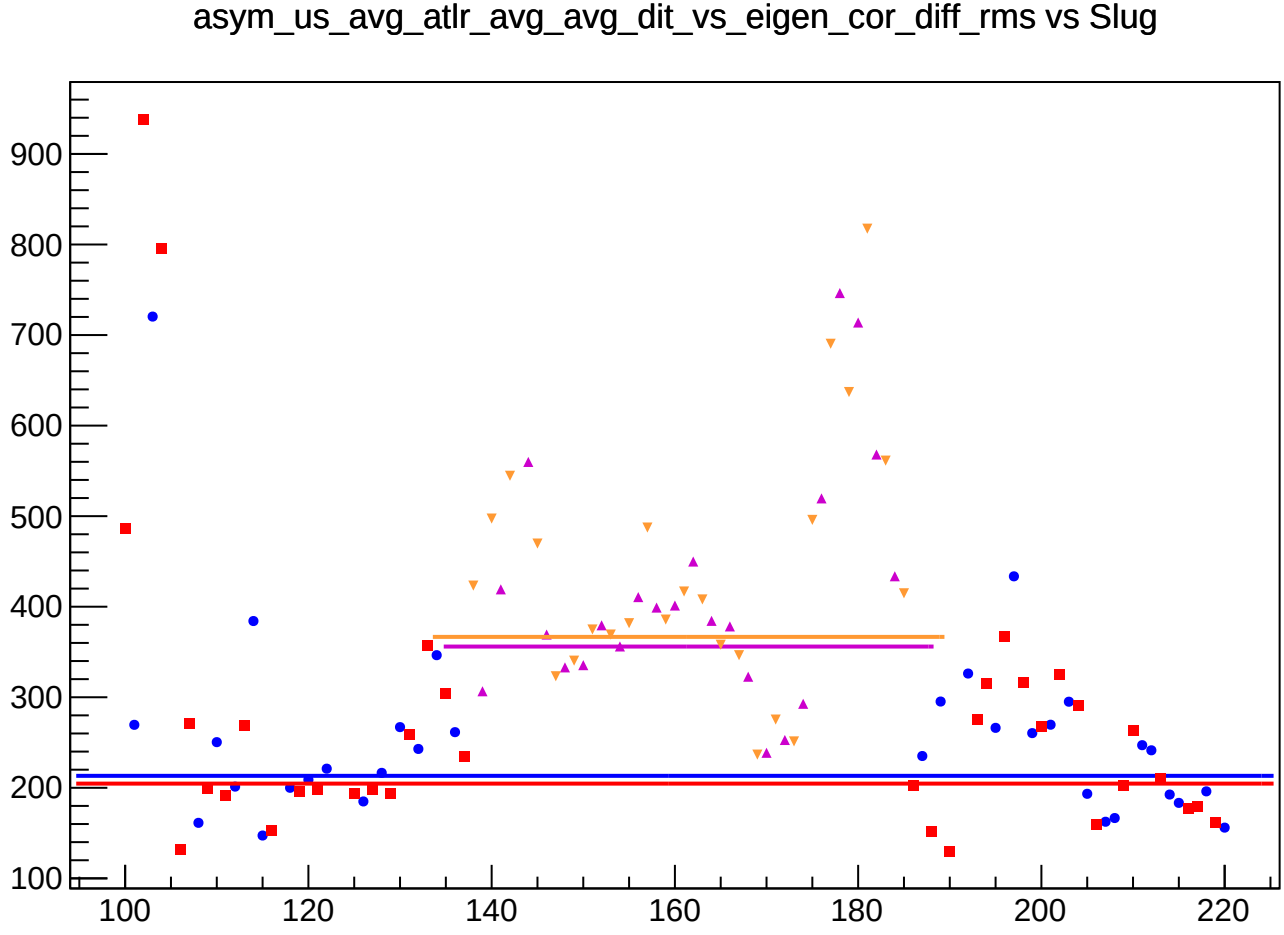
Right Out: -0.030+/-0.049 χ^2/NDF: 43.0/34

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.020+/-0.044 χ^2/NDF: 73.8/56

All: -0.012+/-0.031 χ^2/NDF: 148.4/114

- sign -0.004+/-0.043 χ^2/NDF: 74.5/57



Right In: 213.223+/-0.035 χ^2/NDF: 2675628.2/32

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

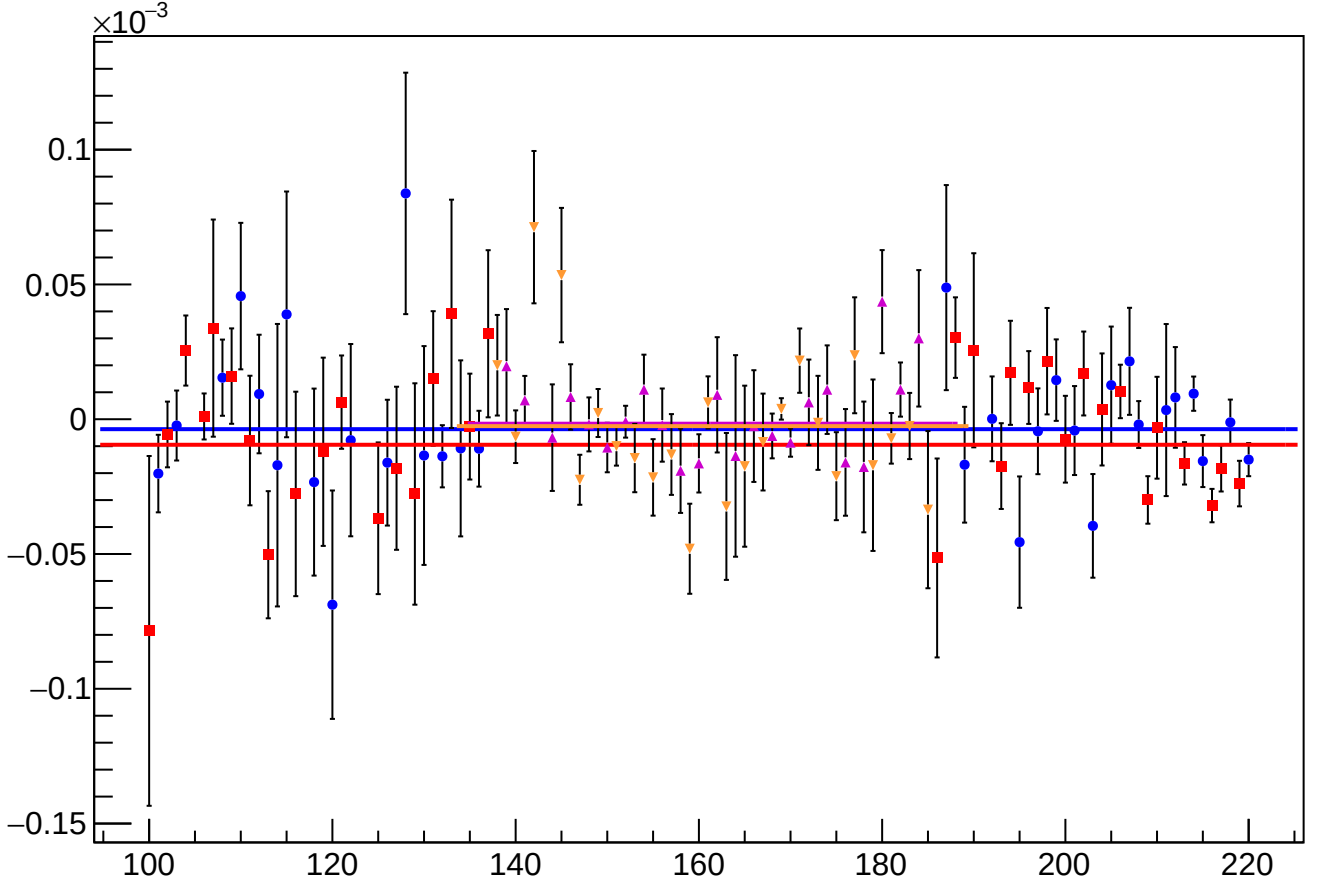
Right Out: 204.631+/-0.035 χ^2/NDF: 3594255.9/34

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 248.979+/-0.031 χ^2/NDF: 9930935.7/56

All: 244.584+/-0.022 χ^2/NDF: 20528487.6/11

- sign 240.389+/-0.030 χ^2/NDF: 10557949.2/57



Right In: -0.000+/-0.000 χ^2/NDF: 37.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

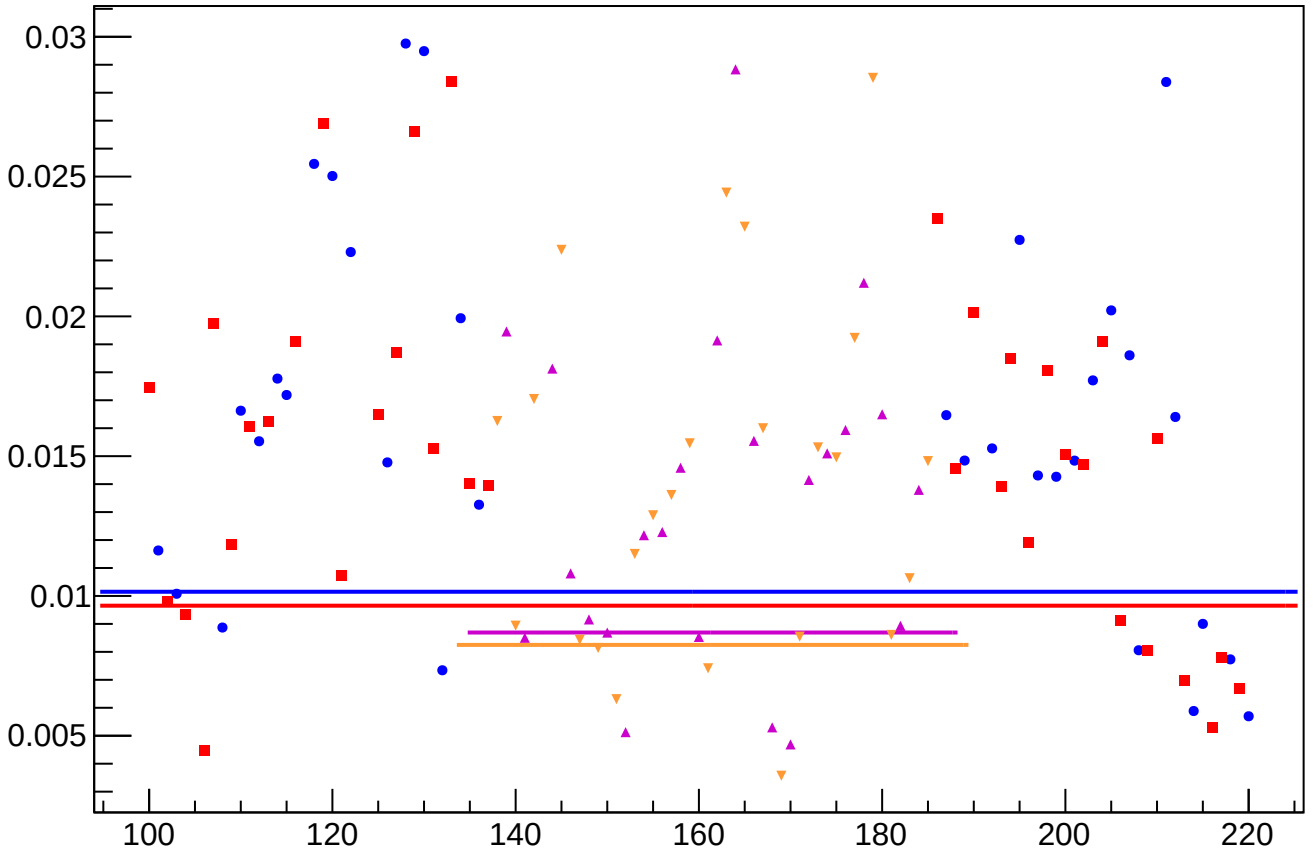
Right Out: -0.000+/-0.000 χ^2/NDF: 69.9/34

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.5/56

All: -0.000+/-0.000 χ^2/NDF: 178.5/114

- sign -0.000+/-0.000 χ^2/NDF: 96.0/57



Right In: 0.010+/-0.000 χ^2/NDF: 8123930.3/32

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

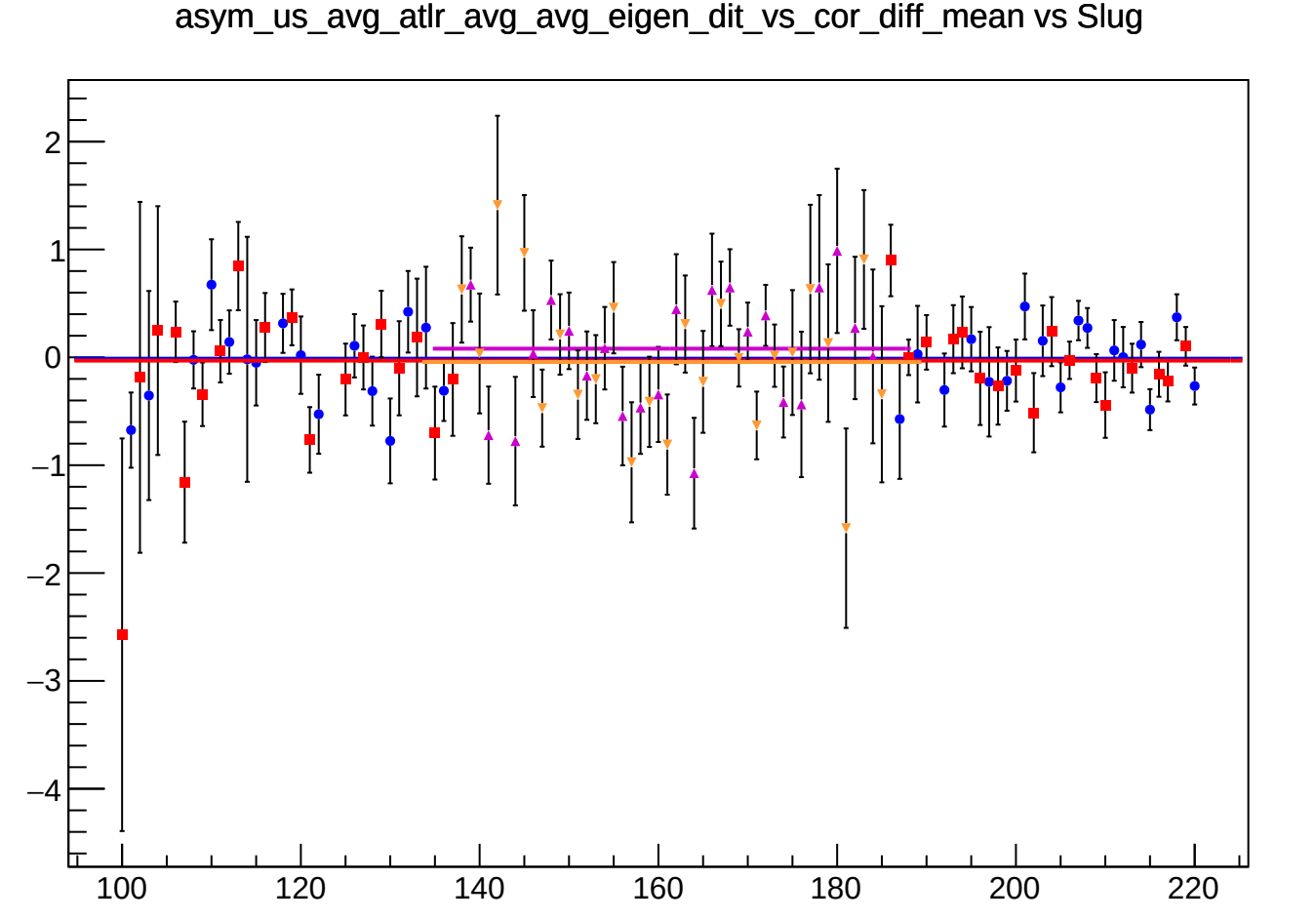
Right Out: 0.010+/-0.000 χ^2/NDF: 7442503.4/34

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 17637779.0/56

All: 0.009+/-0.000 χ^2/NDF: 32119909.4/114

- sign 0.009+/-0.000 χ^2/NDF: 14480975.4/57



Right In: -0.013+/-0.050 χ^2/NDF: 42.8/32

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

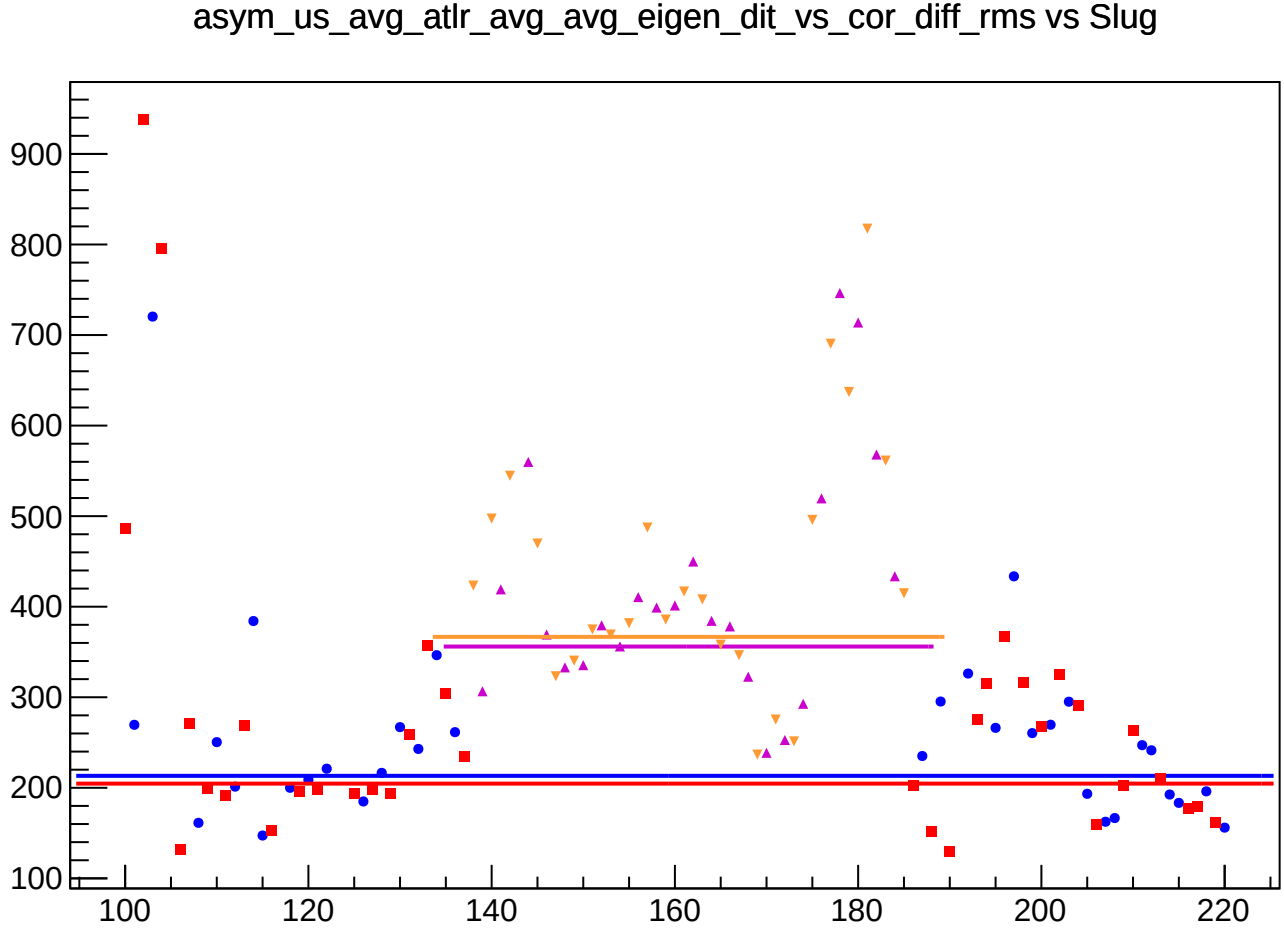
Right Out: -0.030+/-0.049 χ^2/NDF: 43.0/34

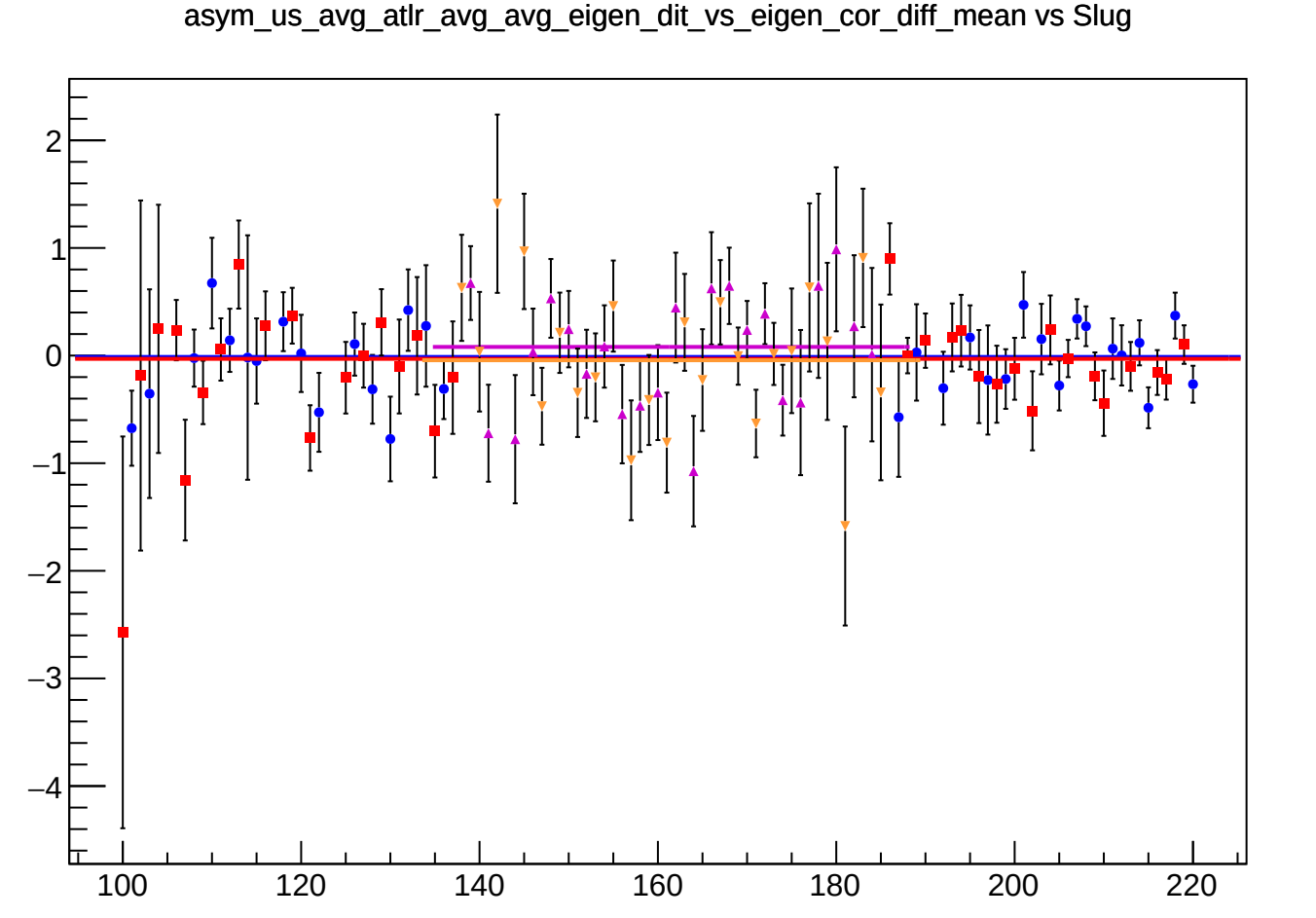
Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.020+/-0.044 χ^2/NDF: 73.8/56

All: -0.012+/-0.031 χ^2/NDF: 148.4/114

- sign -0.004+/-0.043 χ^2/NDF: 74.5/57


asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs Slug
900
800
700
600
500
400
300
200
100
100
120
140
160
180
200
220
Right In: 213.222+/-0.035 χ²/NDF: 2675650.6/32
Left Out: 366.671+/-0.064 χ²/NDF:2841292.6/23
Right Out: 204.629+/-0.035 χ²/NDF: 3594318.2/34
Left In: 355.993+/-0.062 χ²/NDF:2420863.3/22
+ sign 248.978+/-0.031 χ²/NDF: 9931230.5/56
All: 244.582+/-0.022 χ²/NDF: 20529230.6/11
- sign 240.387+/-0.030 χ²/NDF: 10558384.6/57



Right In: -0.013+/-0.050 χ^2/NDF: 42.8/32

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

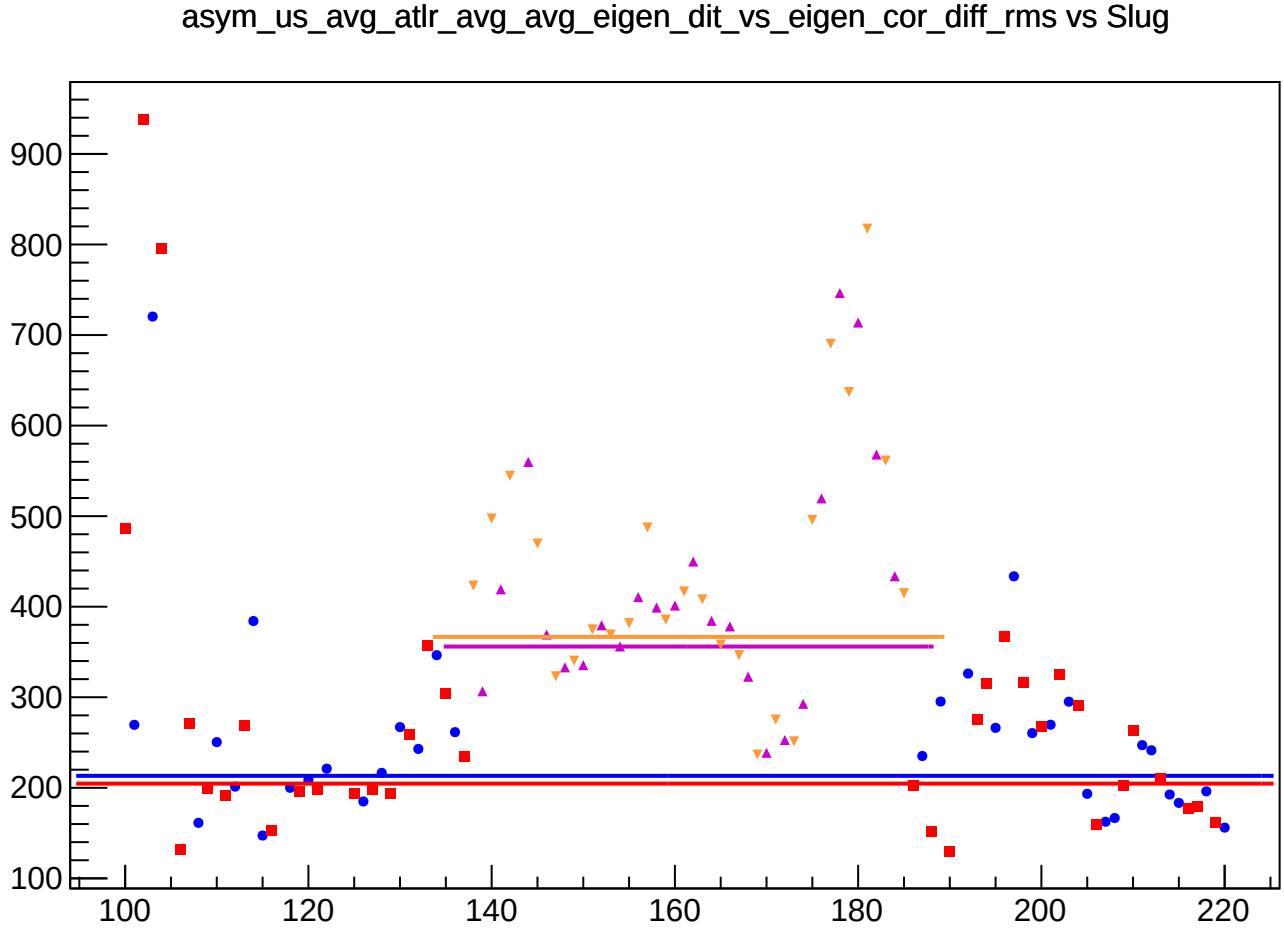
Right Out: -0.030+/-0.049 χ^2/NDF: 43.0/34

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.020+/-0.044 χ^2/NDF: 73.8/56

All: -0.012+/-0.031 χ^2/NDF: 148.4/114

- sign -0.004+/-0.043 χ^2/NDF: 74.5/57



Right In: 213.222+/-0.035 χ^2/NDF: 2675650.6/32

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

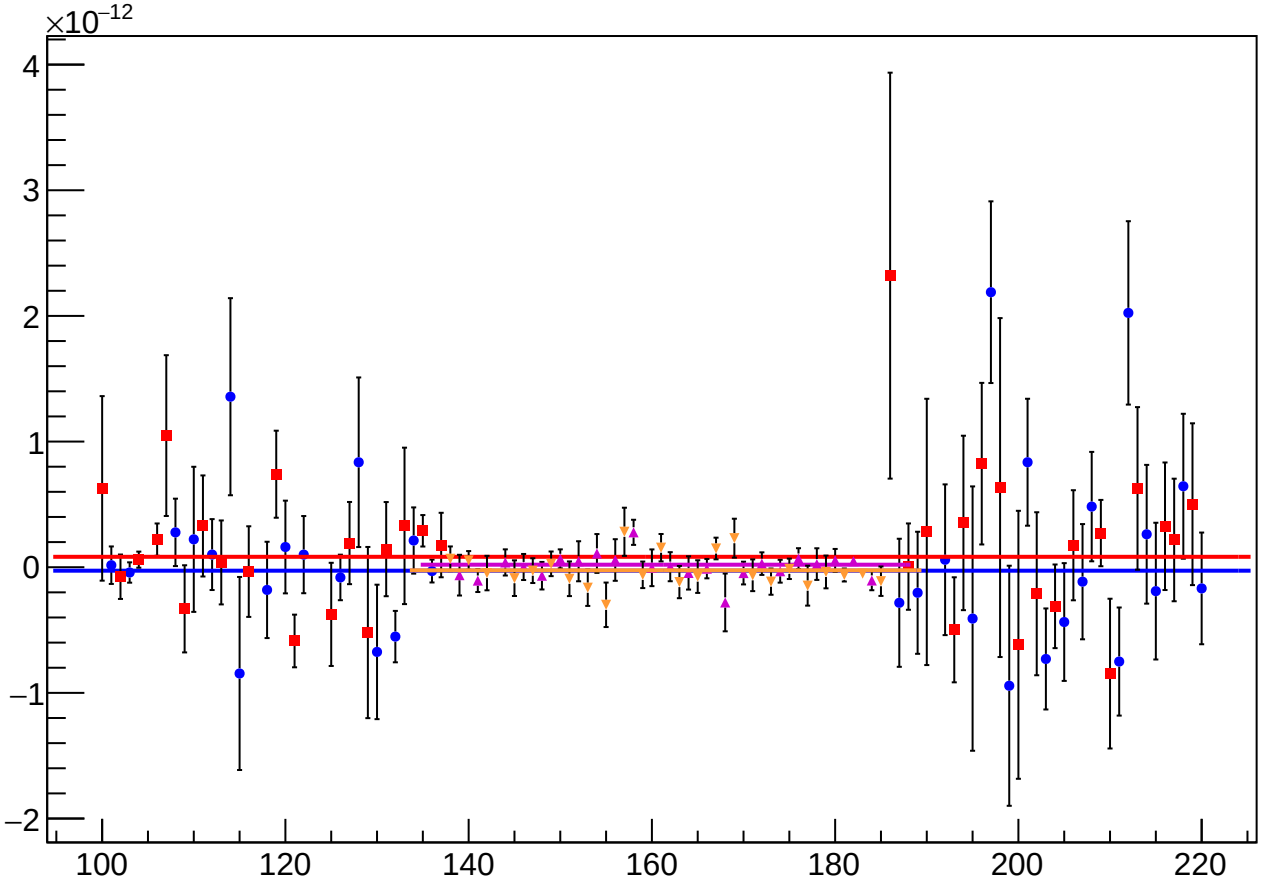
Right Out: 204.629+/-0.035 χ^2/NDF: 3594318.2/34

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 248.978+/-0.031 χ^2/NDF: 9931230.5/56

All: 244.582+/-0.022 χ^2/NDF: 20529230.6/11

- sign 240.387+/-0.030 χ^2/NDF: 10558384.6/57



Right In: -0.000+/-0.000 χ^2/NDF: 48.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

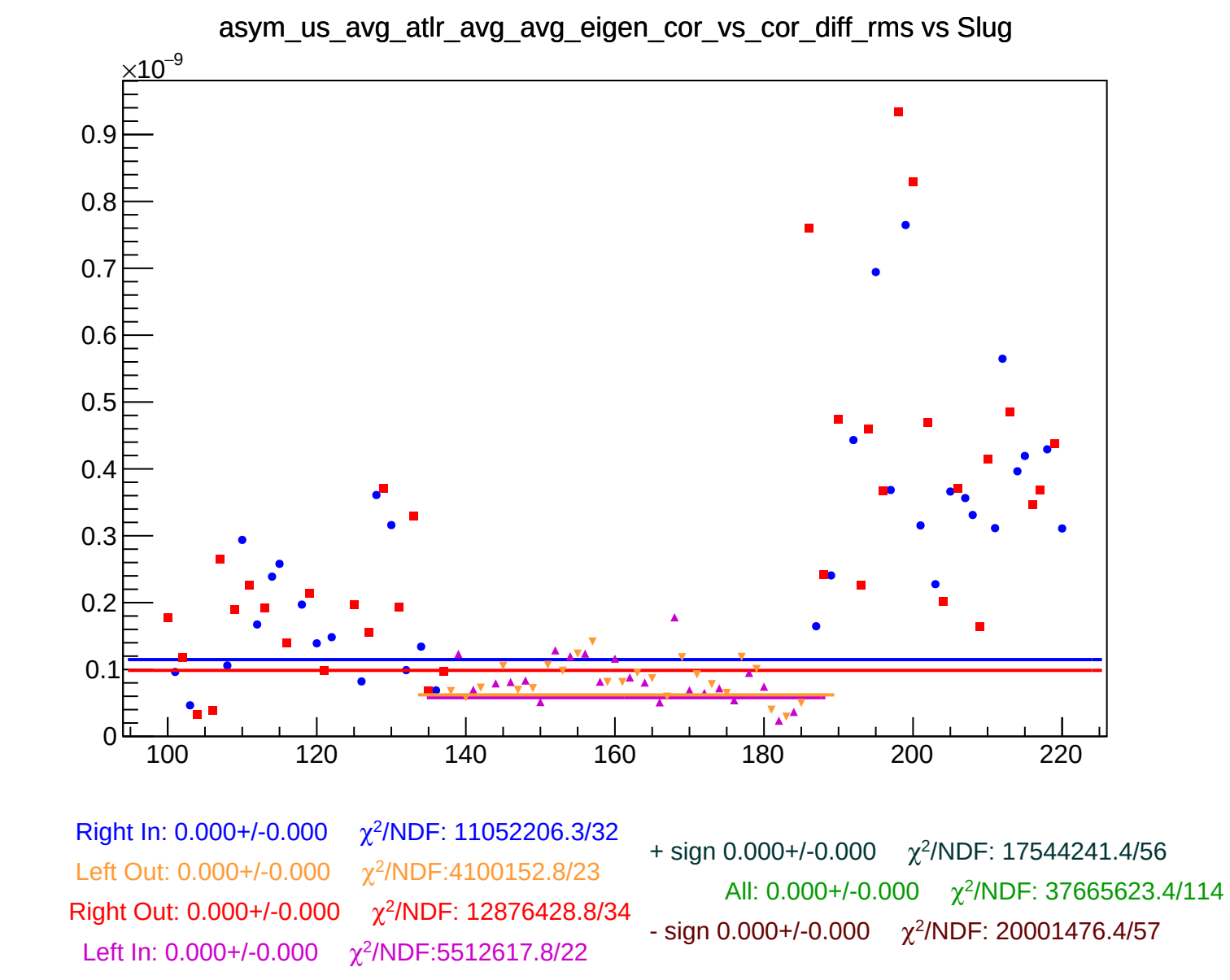
Right Out: 0.000+/-0.000 χ^2/NDF: 37.9/34

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

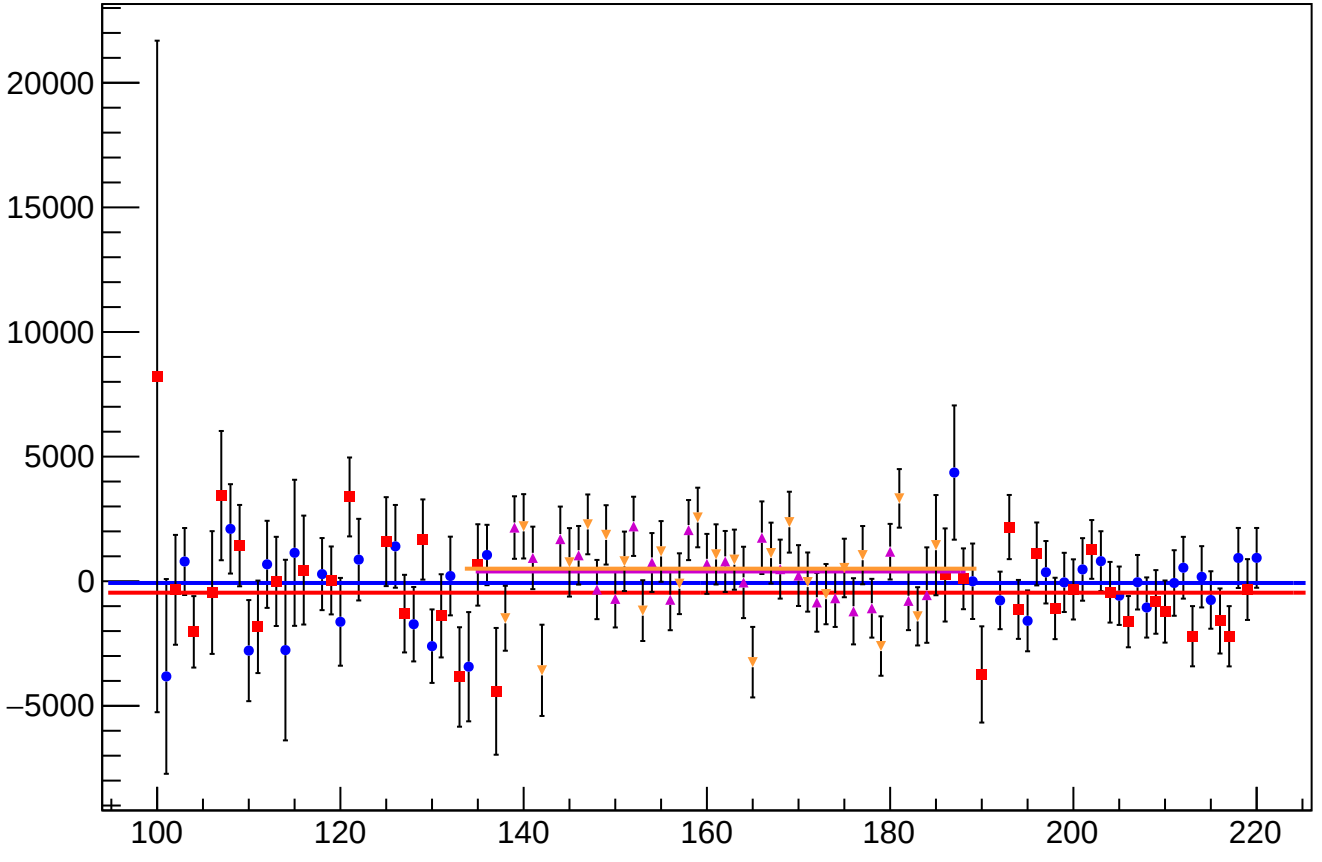
+ sign -0.000+/-0.000 χ^2/NDF: 70.7/56

All: 0.000+/-0.000 χ^2/NDF: 132.8/114

- sign 0.000+/-0.000 χ^2/NDF: 57.0/57


asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 11052206.3/32
Left Out: 0.000+/-0.000 χ²/NDF:4100152.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 12876428.8/34
Left In: 0.000+/-0.000 χ²/NDF:5512617.8/22
+ sign 0.000+/-0.000 χ²/NDF: 17544241.4/56
All: 0.000+/-0.000 χ²/NDF: 37665623.4/114
- sign 0.000+/-0.000 χ²/NDF: 20001476.4/57

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -69.873+/-247.118 χ^2/NDF: 23.2/32

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -460.110+/-248.980 χ^2/NDF: 39.8/34

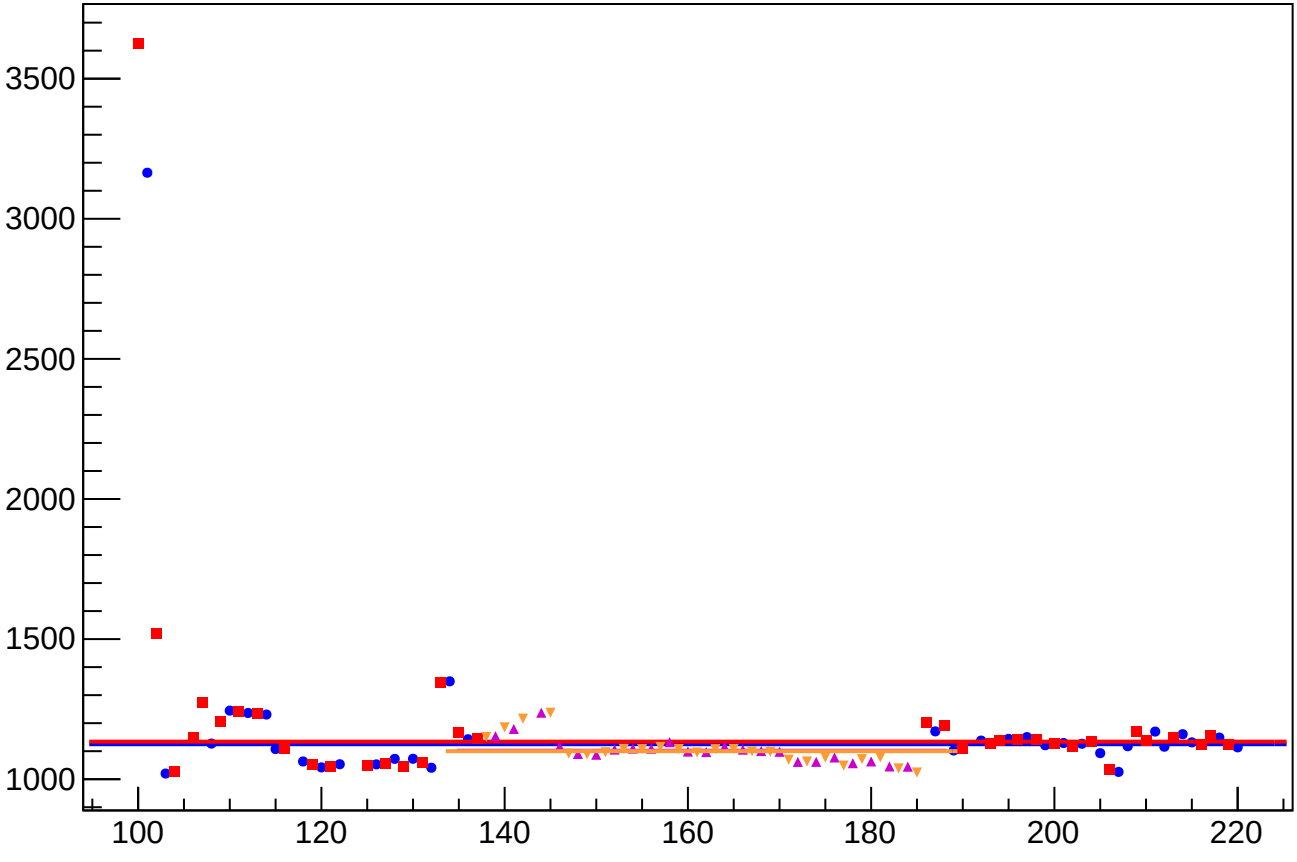
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 207.271+/-177.639 χ^2/NDF: 70.4/56

All: 80.407+/-126.072 χ^2/NDF: 134.7/114

- sign -48.342+/-178.953 χ^2/NDF: 63.3/57

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1124.906+/-0.175 χ^2/NDF: 647140.1/32

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

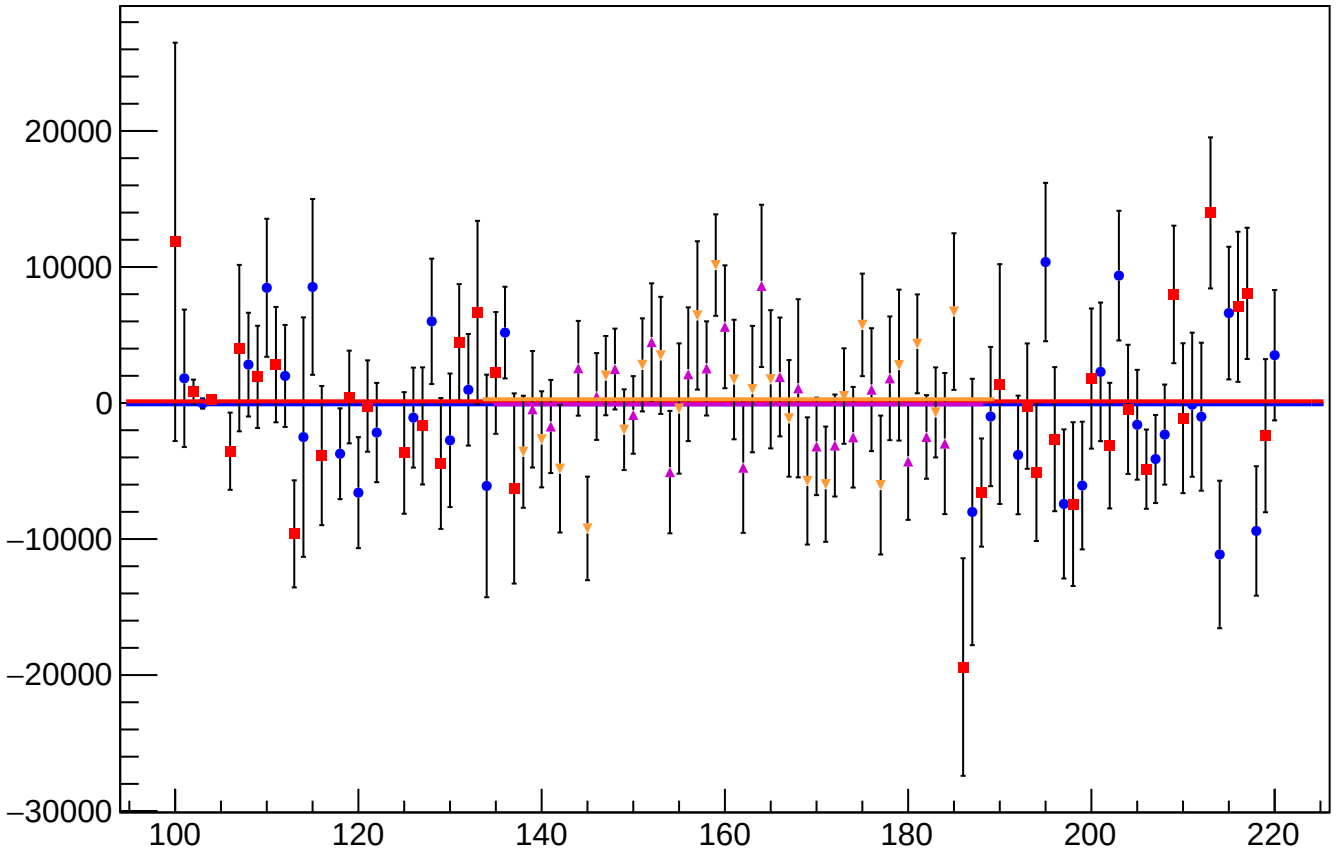
Right Out: 1134.038+/-0.176 χ^2/NDF: 250417.1/34

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1112.900+/-0.126 χ^2/NDF: 715641.9/56

All: 1115.598+/-0.089 χ^2/NDF: 1035624.7/11

- sign 1118.333+/-0.126 χ^2/NDF: 319054.1/57



Right In: -93.635+/-341.526 χ^2/NDF: 39.7/32

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

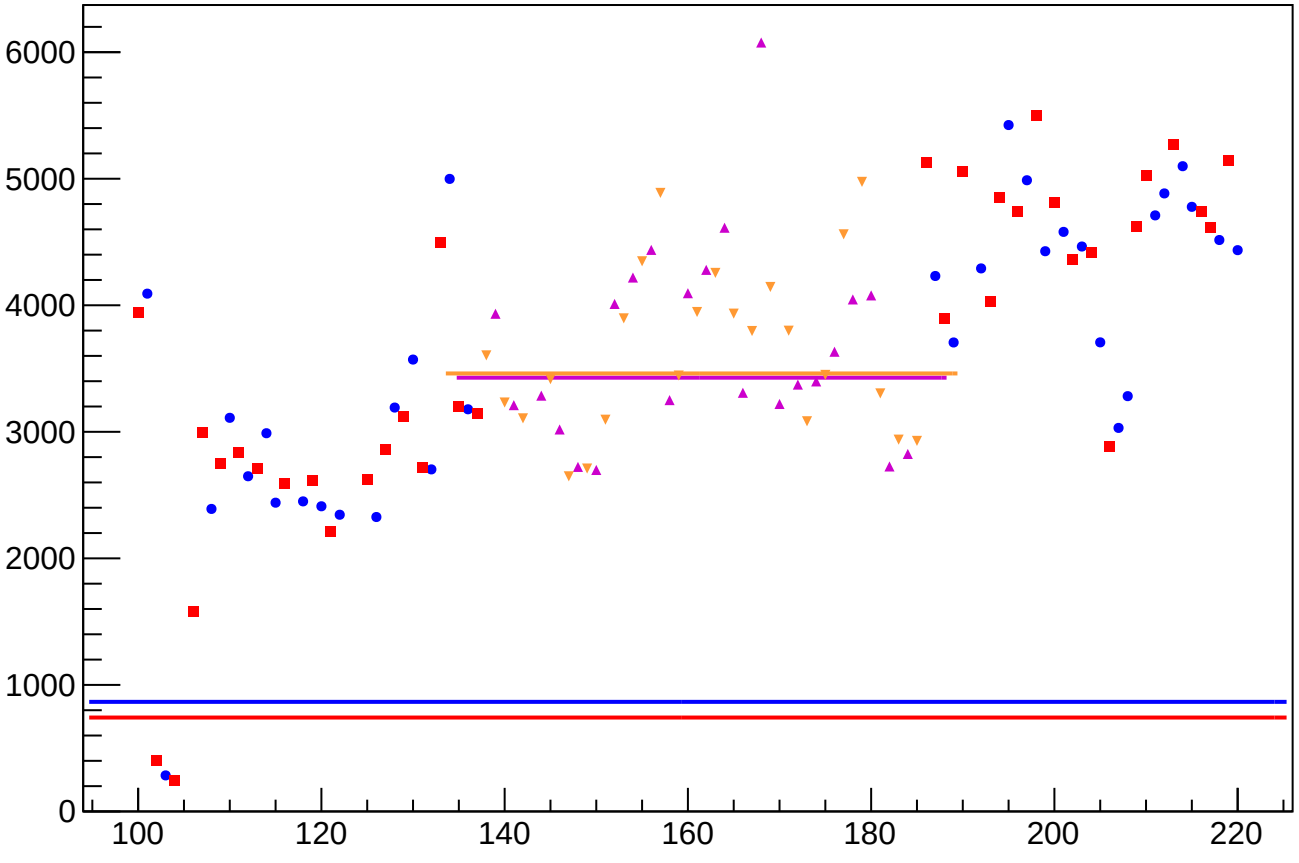
Right Out: 124.769+/-311.409 χ^2/NDF: 44.2/34

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign -38.828+/-315.302 χ^2/NDF: 69.7/56

All: 34.488+/-213.843 χ^2/NDF: 127.7/114

- sign 96.937+/-290.998 χ^2/NDF: 57.9/57



Right In: 866.093+/-0.241 χ^2/NDF: 28780506.9/32

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 742.158+/-0.220 χ^2/NDF: 29610824.9/34

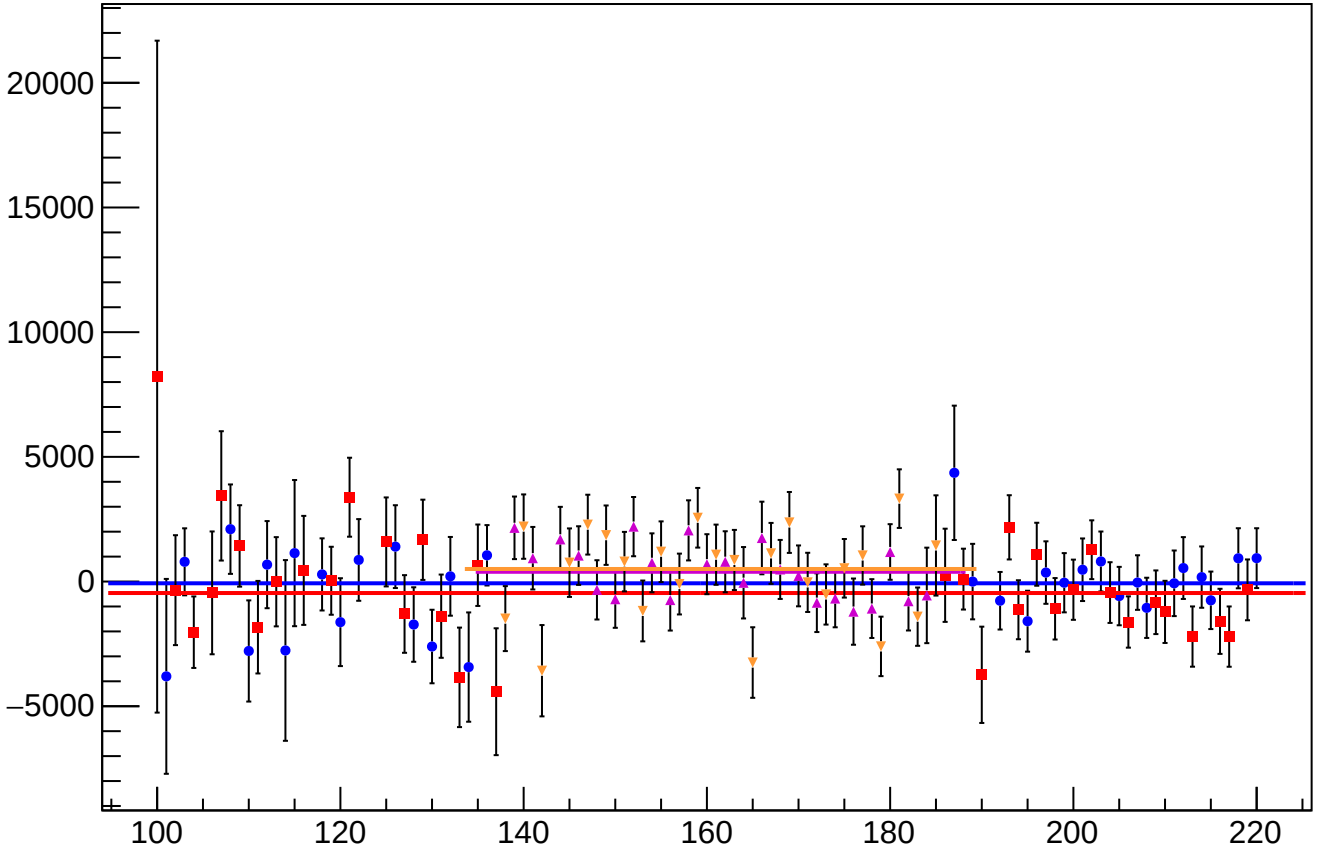
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1249.324+/-0.223 χ^2/NDF: 46892520.5/56

All: 1159.338+/-0.151 χ^2/NDF: 96909854.3/1

- sign 1082.689+/-0.206 χ^2/NDF: 49715674.7/57

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -69.801+/-247.118 χ^2/NDF: 23.2/32

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -460.132+/-248.980 χ^2/NDF: 39.8/34

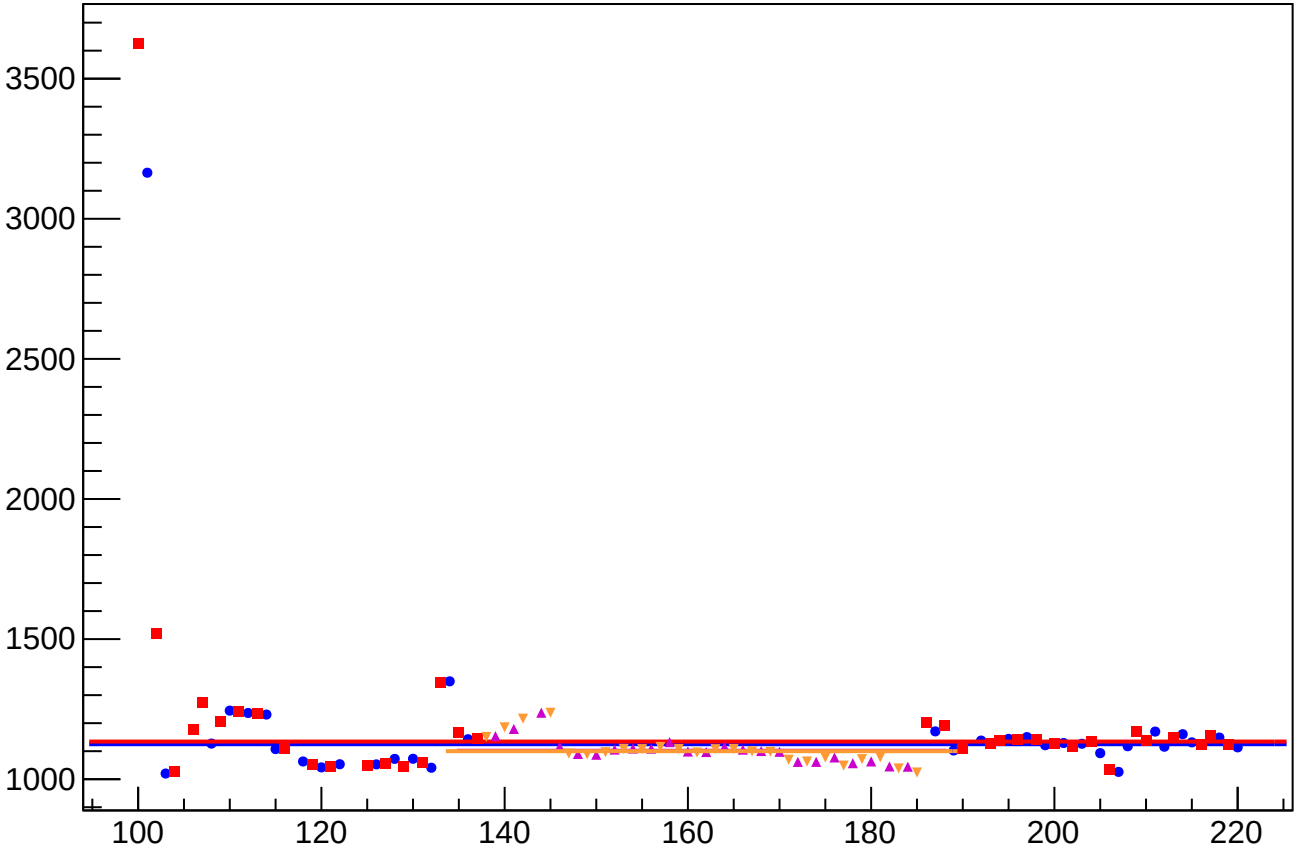
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 207.344+/-177.639 χ^2/NDF: 70.4/56

All: 80.435+/-126.072 χ^2/NDF: 134.7/114

- sign -48.360+/-178.953 χ^2/NDF: 63.3/57

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1124.906+/-0.175 χ^2/NDF: 647141.2/32

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

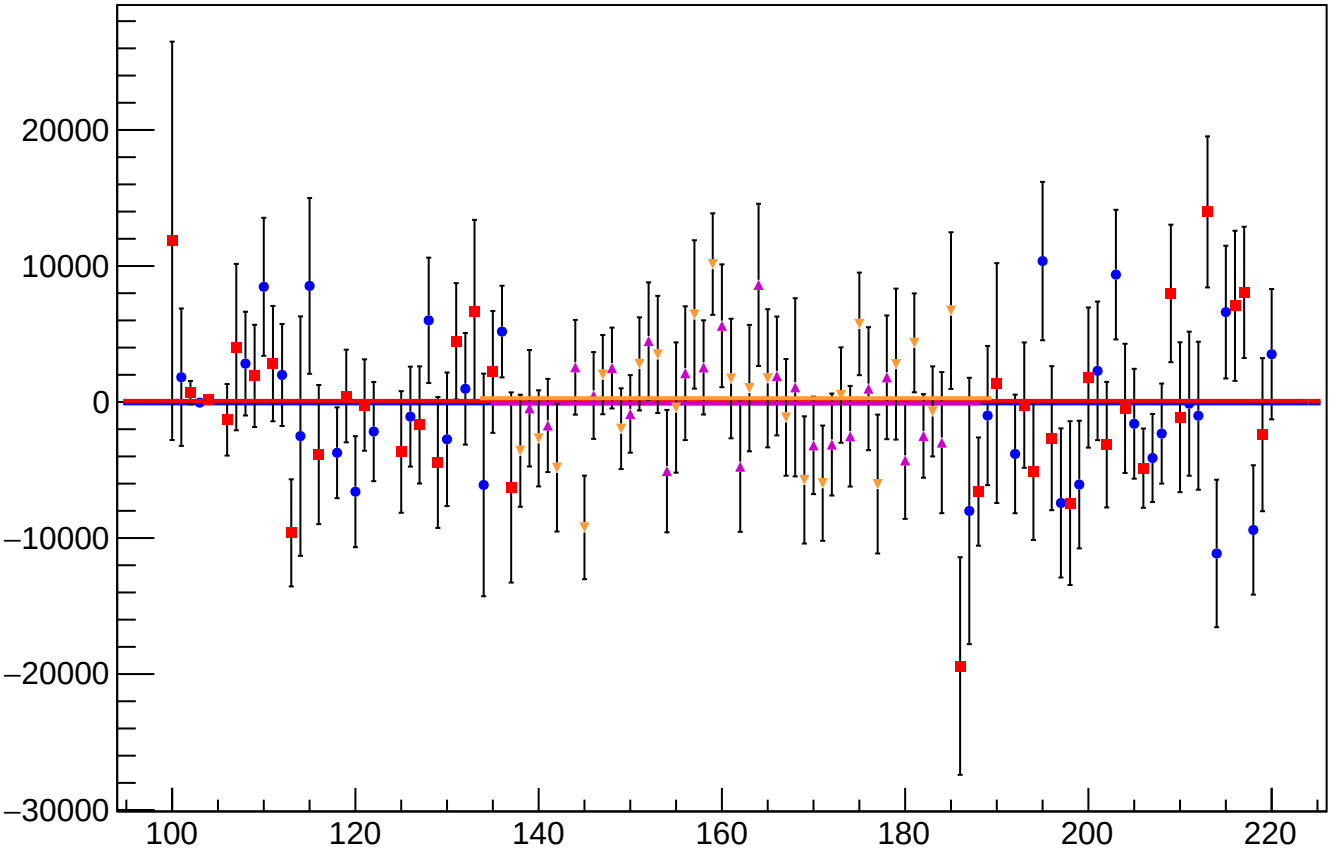
Right Out: 1134.356+/-0.176 χ^2/NDF: 251023.9/34

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1112.900+/-0.126 χ^2/NDF: 715642.9/56

All: 1115.675+/-0.089 χ^2/NDF: 1036604.2/11

- sign 1118.491+/-0.127 χ^2/NDF: 319978.1/57



Right In: -100.195+/-330.041 χ^2/NDF: 39.7/32

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

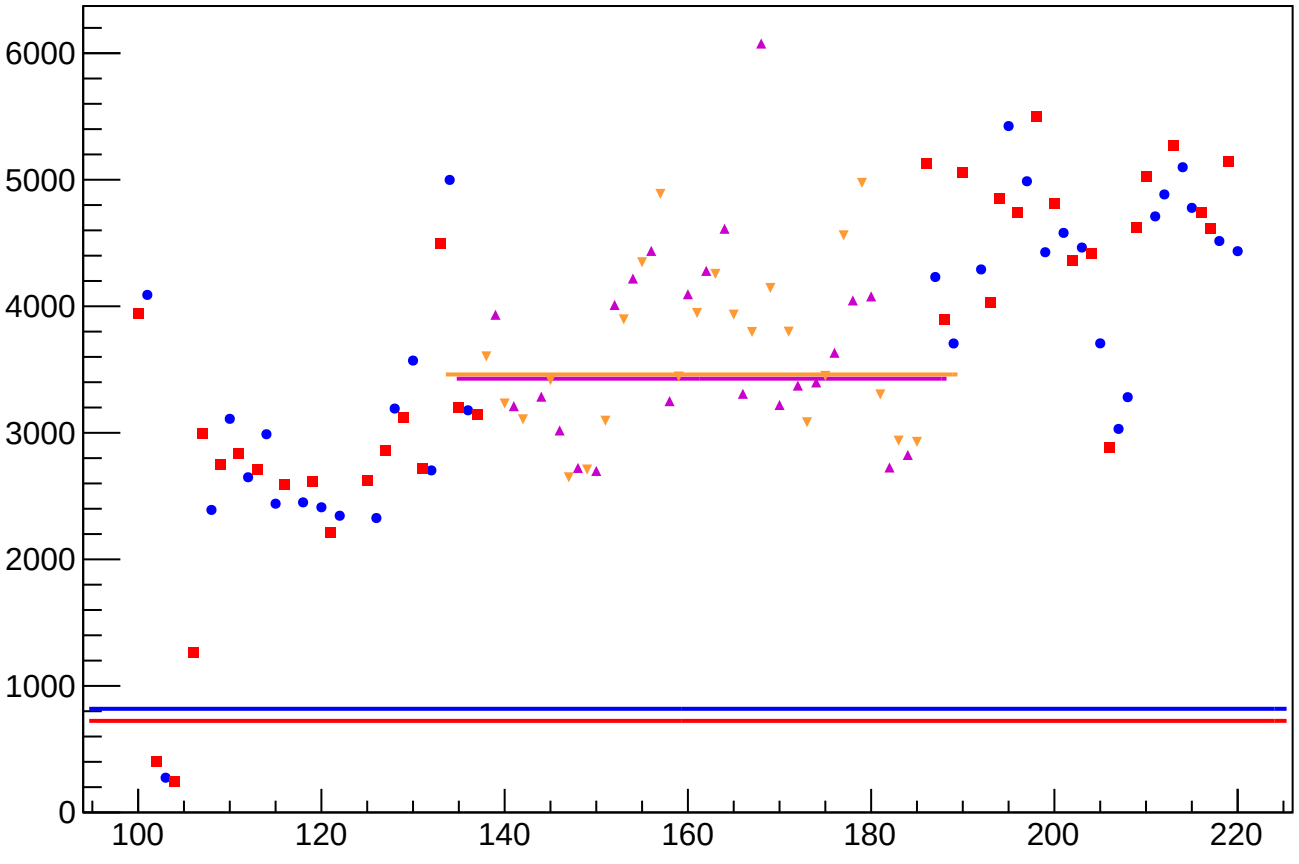
Right Out: 84.637+/-306.742 χ^2/NDF: 42.5/34

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

\+ sign -47.590+/-306.198 χ^2/NDF: 69.7/56

All: 10.973+/-209.467 χ^2/NDF: 126.0/114

\- sign 62.486+/-287.179 χ^2/NDF: 56.2/57



Right In: 819.087+/-0.233 χ^2/NDF: 29334591.4/32

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 723.880+/-0.217 χ^2/NDF: 29690029.0/34

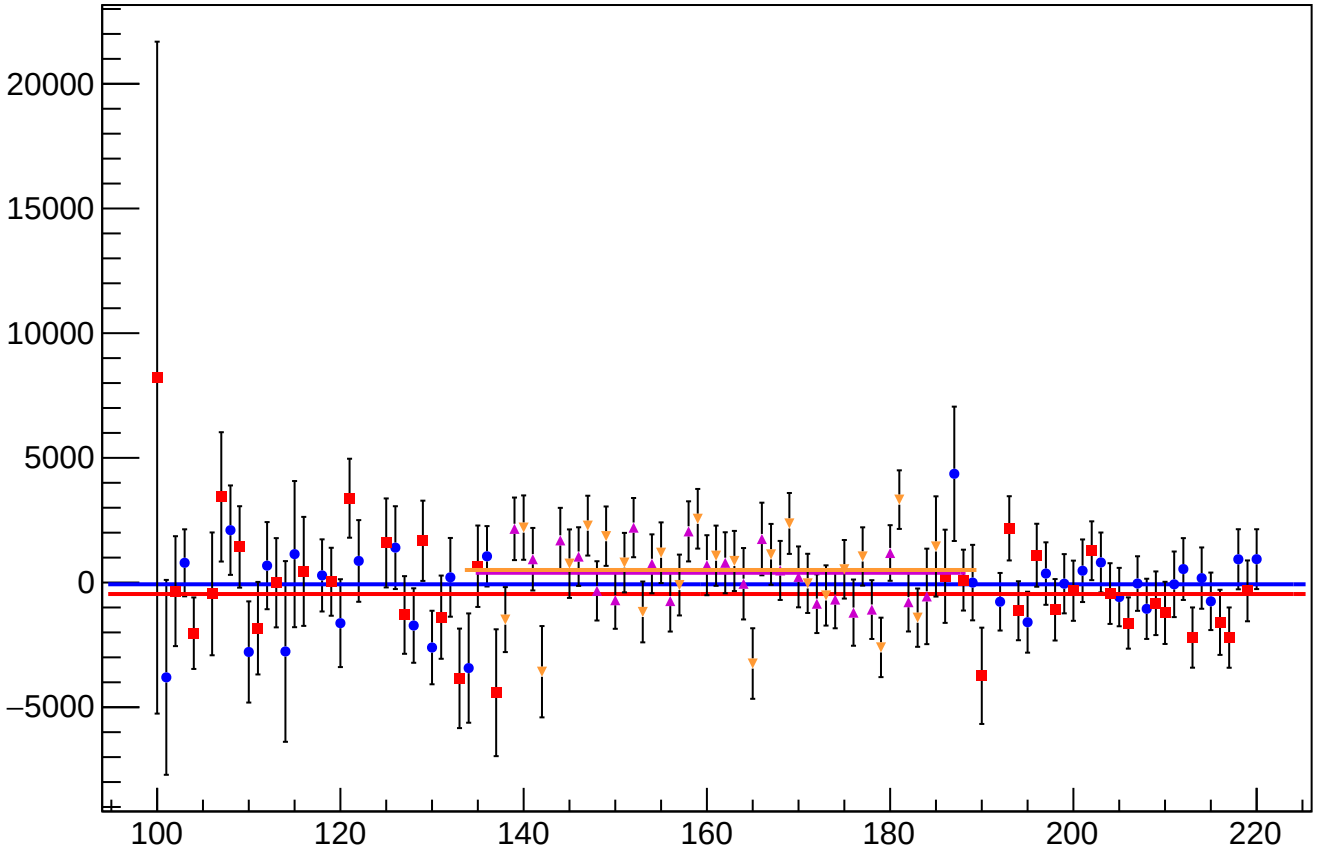
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1187.052+/-0.217 χ^2/NDF: 48244295.0/56

All: 1118.282+/-0.148 χ^2/NDF: 98558795.4/1

- sign 1057.789+/-0.203 χ^2/NDF: 50124870.8/57

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -69.801+/-247.118 χ^2/NDF: 23.2/32

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -460.132+/-248.980 χ^2/NDF: 39.8/34

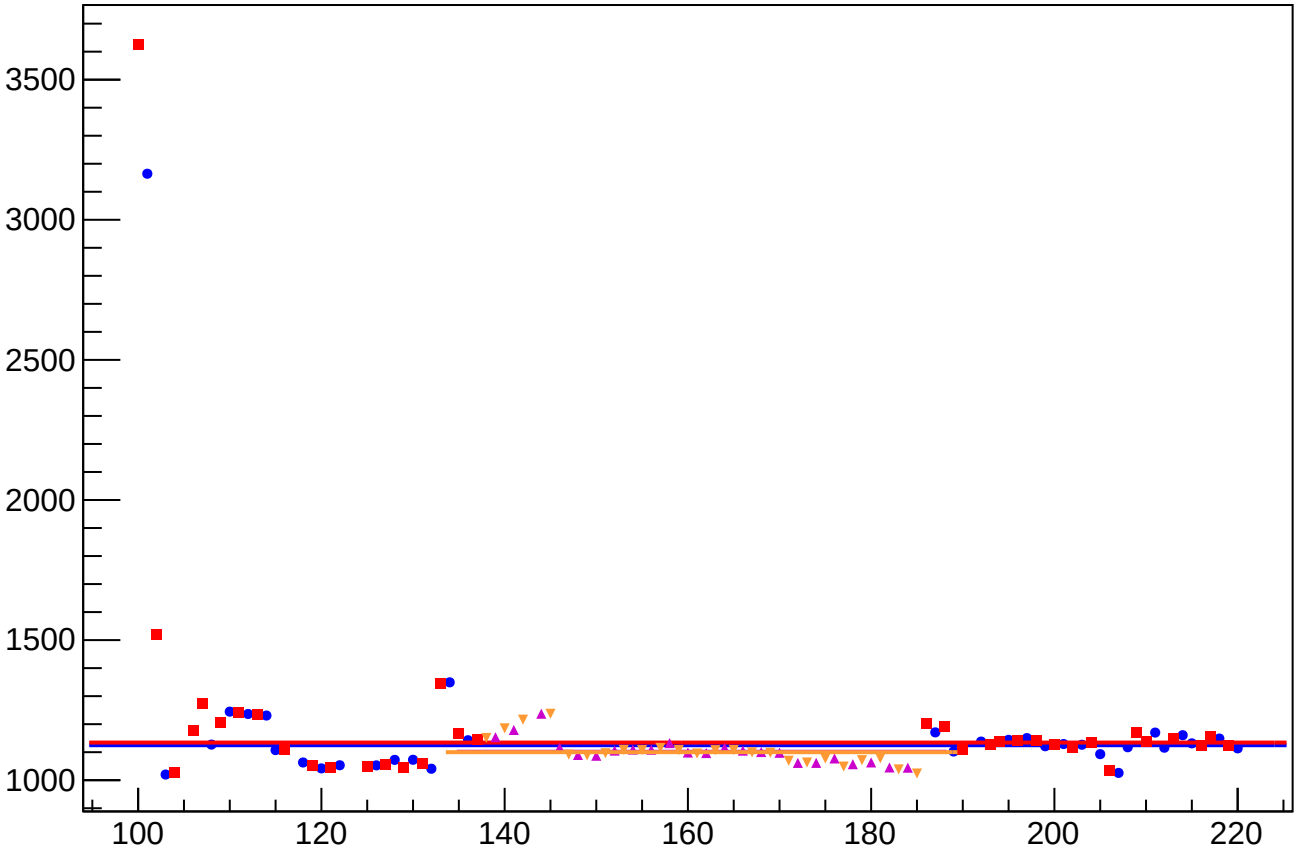
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 207.344+/-177.639 χ^2/NDF: 70.4/56

All: 80.435+/-126.072 χ^2/NDF: 134.7/114

- sign -48.360+/-178.953 χ^2/NDF: 63.3/57

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1124.906+/-0.175 χ^2/NDF: 647141.2/32

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

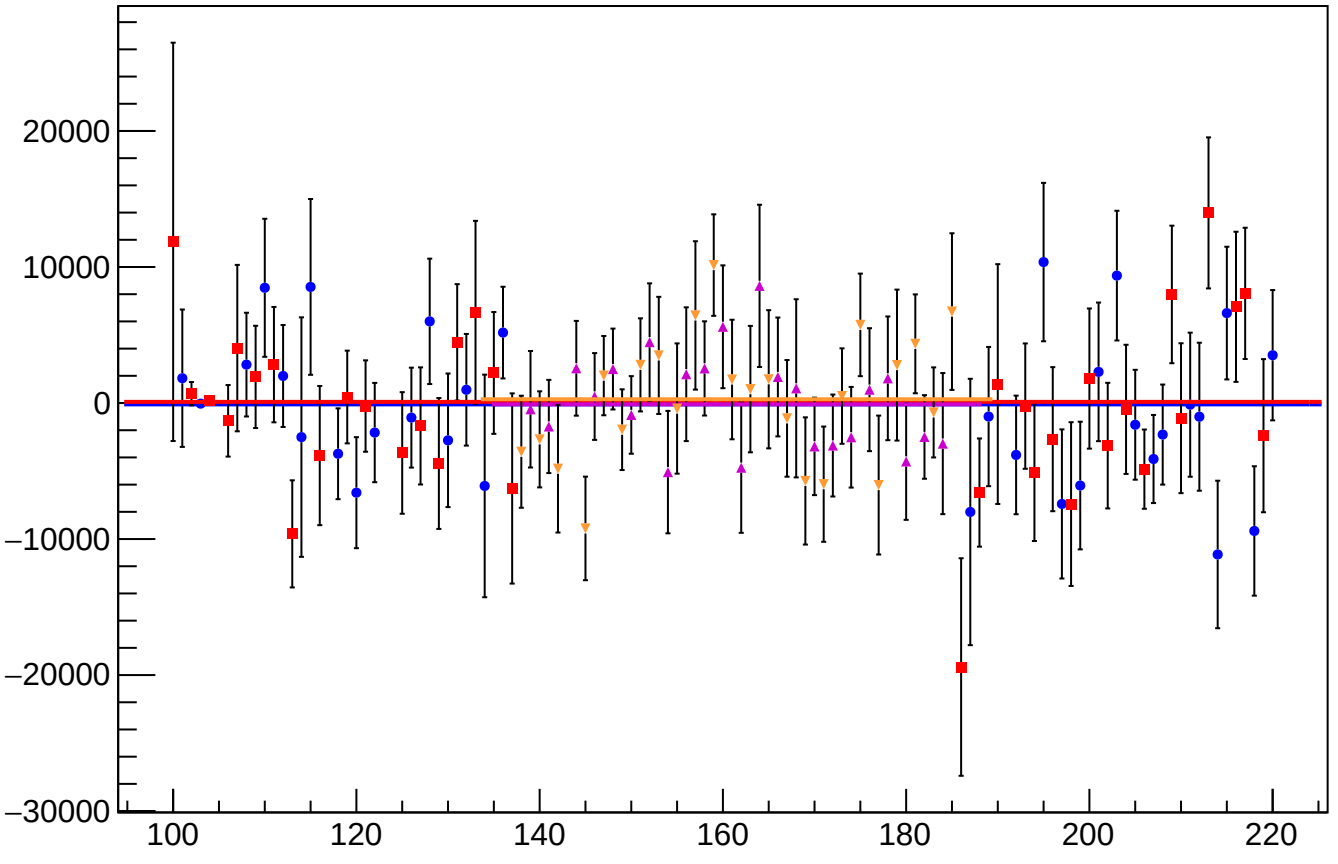
Right Out: 1134.356+/-0.176 χ^2/NDF: 251023.9/34

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1112.900+/-0.126 χ^2/NDF: 715642.9/56

All: 1115.675+/-0.089 χ^2/NDF: 1036604.2/11

- sign 1118.491+/-0.127 χ^2/NDF: 319978.1/57



Right In: -100.195+/-330.041 χ^2/NDF: 39.7/32

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

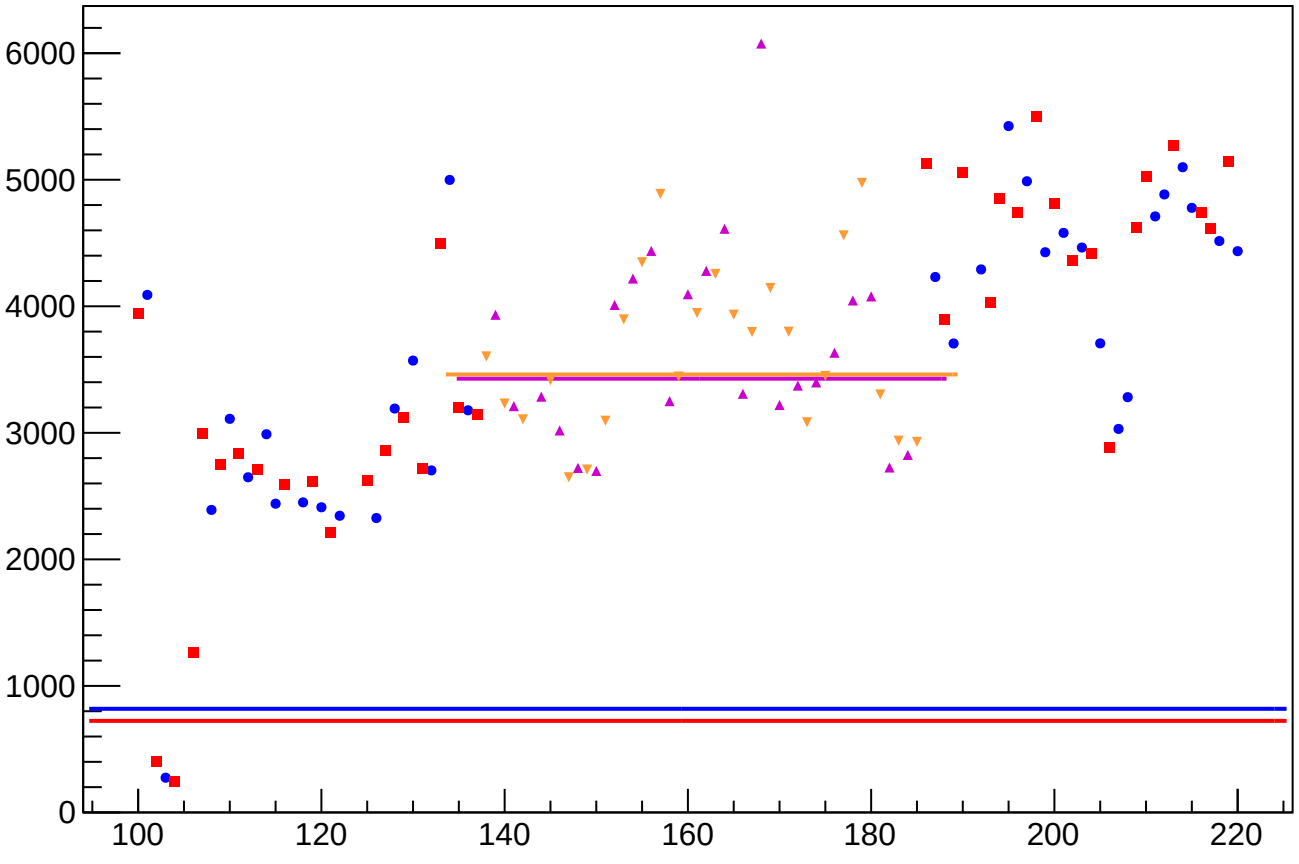
Right Out: 84.637+/-306.742 χ^2/NDF: 42.5/34

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign -47.590+/-306.198 χ^2/NDF: 69.7/56

All: 10.973+/-209.467 χ^2/NDF: 126.0/114

- sign 62.486+/-287.179 χ^2/NDF: 56.2/57



Right In: 819.087+/-0.233 χ^2/NDF: 29334591.4/32

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 723.880+/-0.217 χ^2/NDF: 29690029.0/34

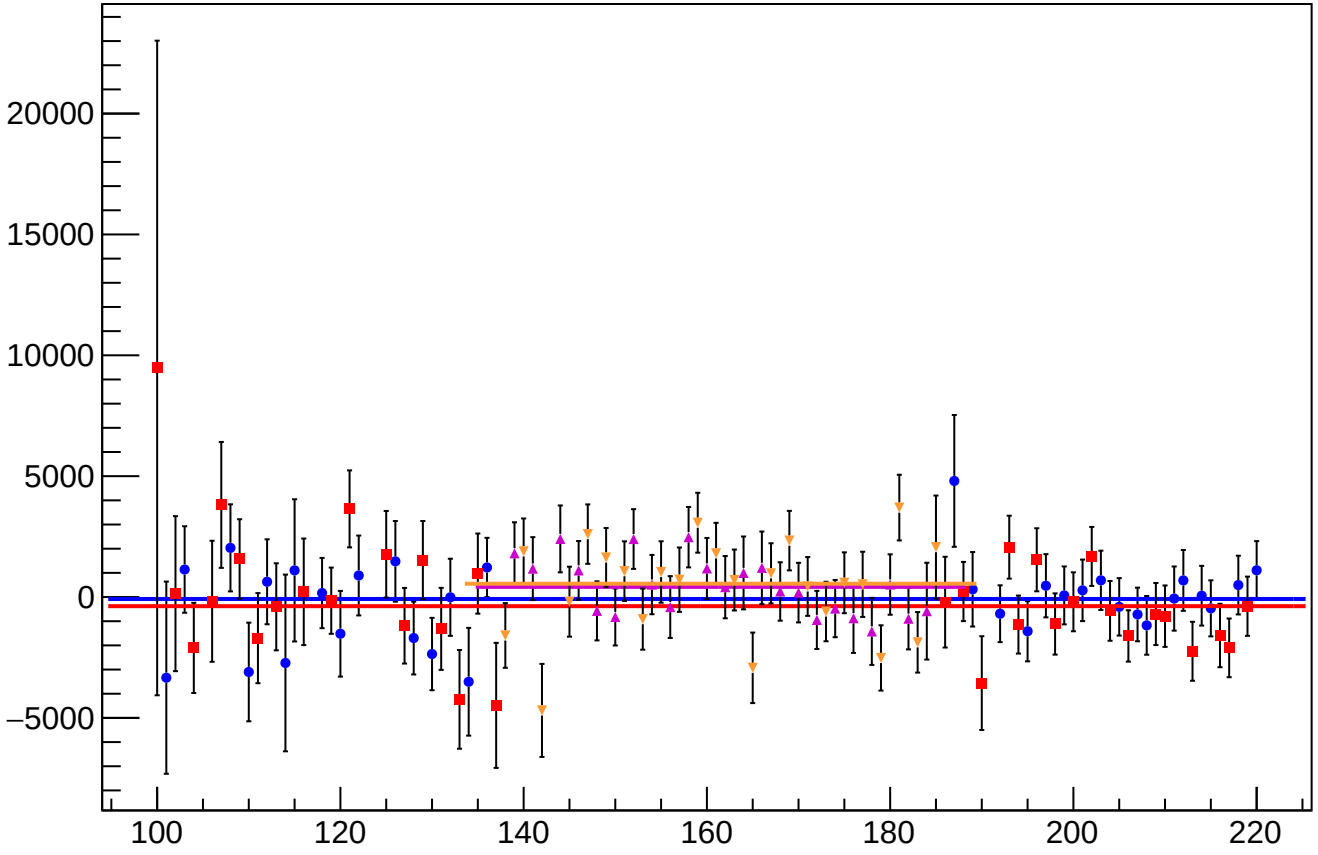
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1187.052+/-0.217 χ^2/NDF: 48244295.0/56

All: 1118.282+/-0.148 χ^2/NDF: 98558795.4/1

- sign 1057.789+/-0.203 χ^2/NDF: 50124870.8/57

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -79.456+/-251.985 χ^2/NDF: 22.7/32

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -377.754+/-254.648 χ^2/NDF: 41.5/34

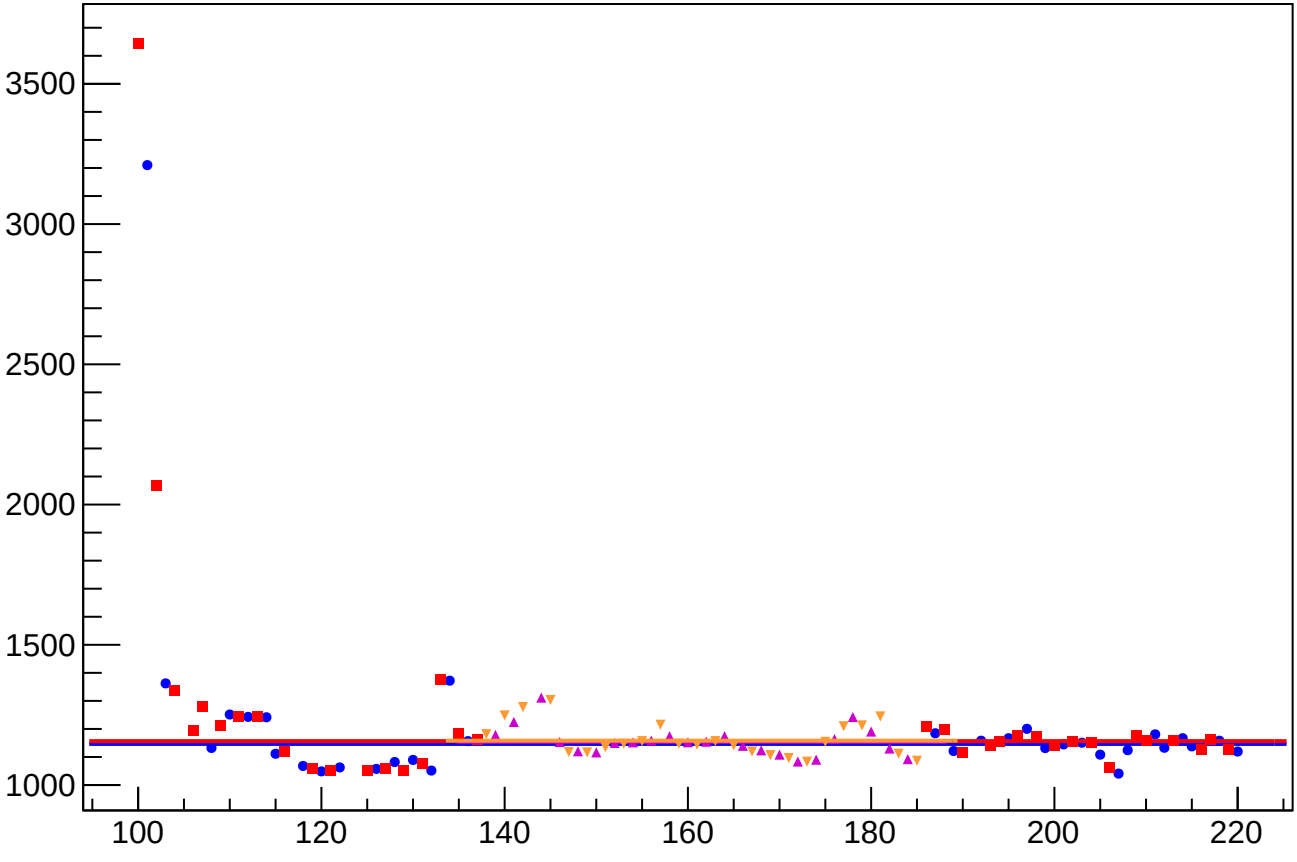
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 214.805+/-183.967 χ^2/NDF: 70.8/56

All: 107.397+/-130.516 χ^2/NDF: 135.7/114

- sign -1.446+/-185.193 χ^2/NDF: 64.2/57

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1146.634+/-0.178 χ^2/NDF: 667699.8/32

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

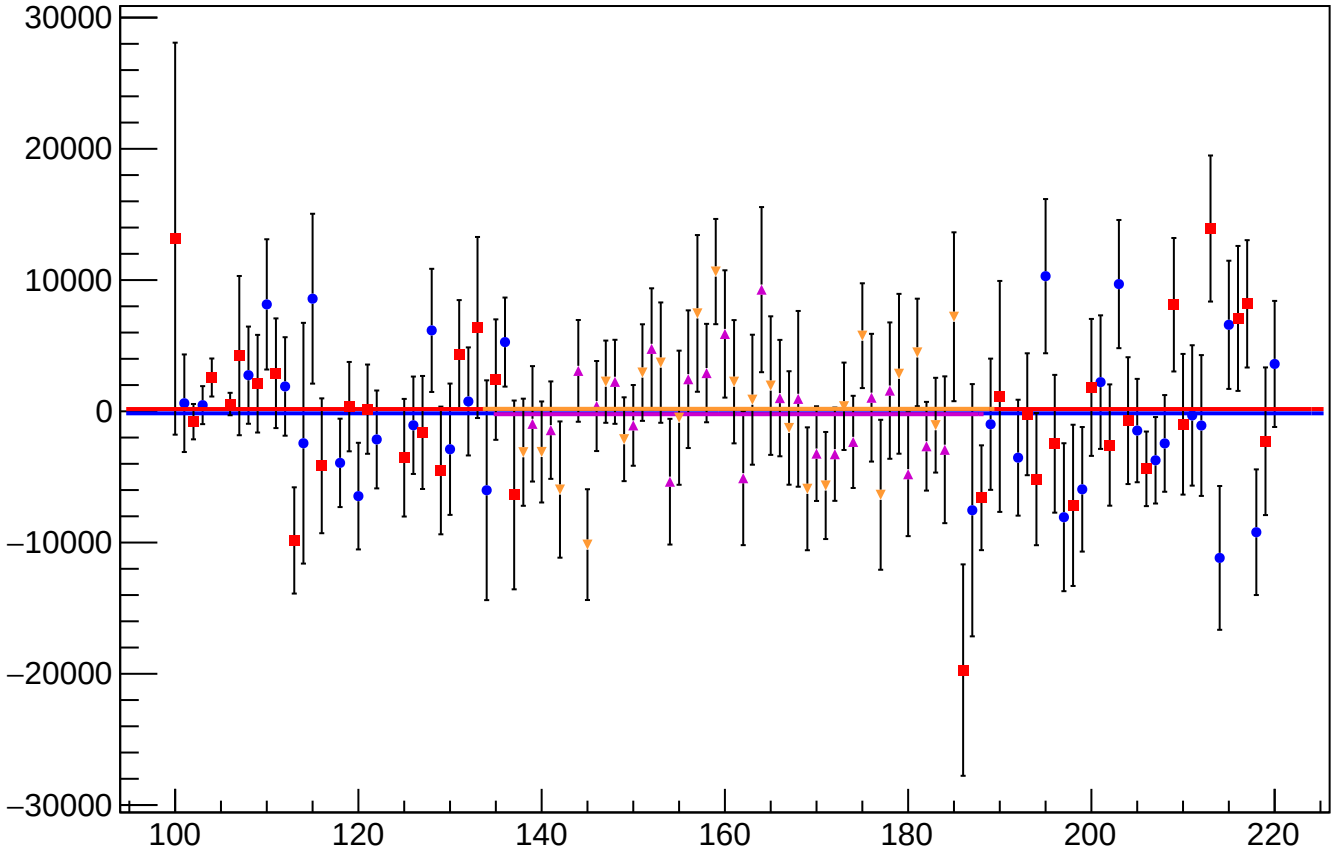
Right Out: 1156.576+/-0.180 χ^2/NDF: 358334.6/34

Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1152.024+/-0.130 χ^2/NDF: 753771.5/56

All: 1153.736+/-0.092 χ^2/NDF: 1179011.7/11

- sign 1155.471+/-0.131 χ^2/NDF: 424891.5/57



Right In: -152.962+/-696.999 χ^2/NDF: 39.0/32

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

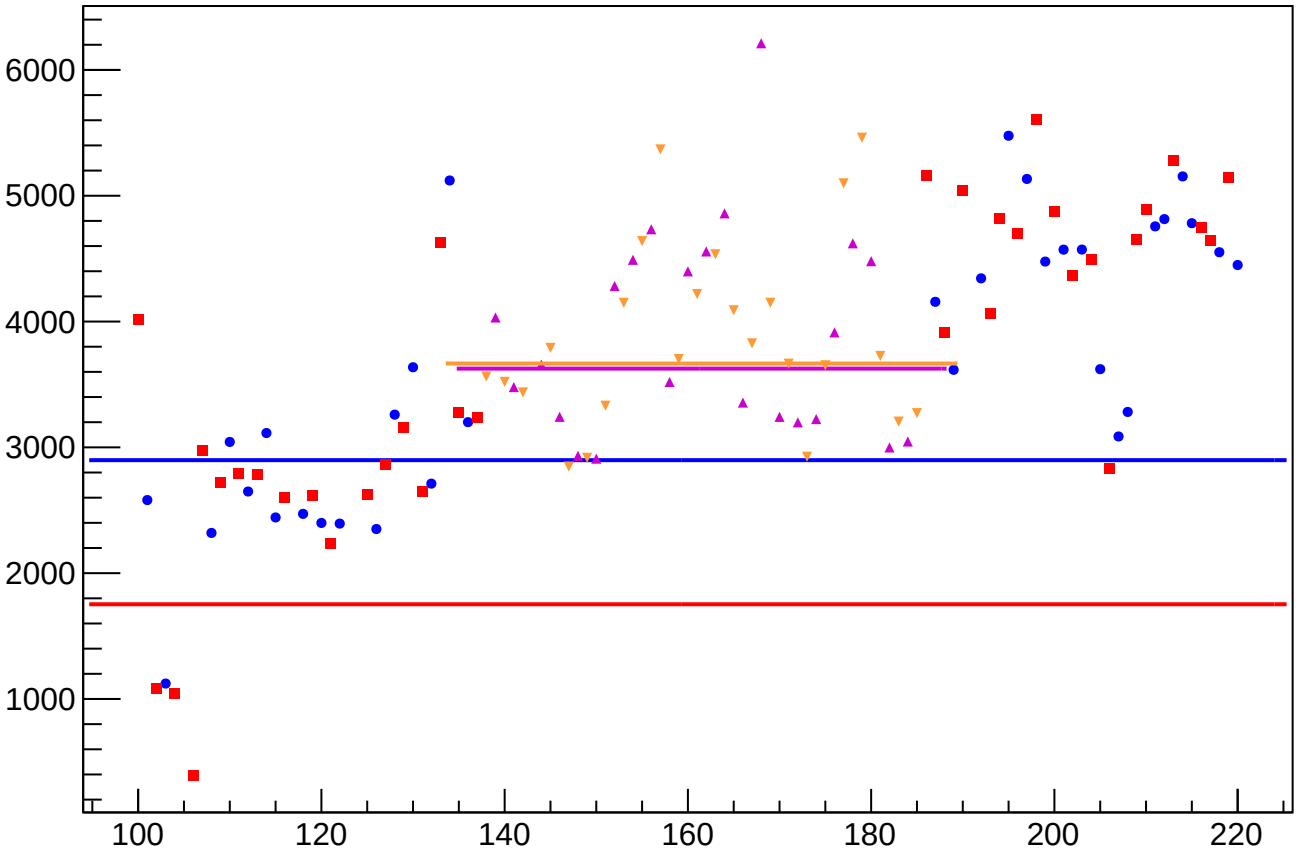
Right Out: 173.771+/-511.276 χ^2/NDF: 44.8/34

Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign -18.886+/-543.821 χ^2/NDF: 68.4/56

All: 35.686+/-342.112 χ^2/NDF: 126.7/114

- sign 71.428+/-440.111 χ^2/NDF: 58.3/57



Right In: 2898.220+/-0.493 χ^2/NDF: 6791023.6/32

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

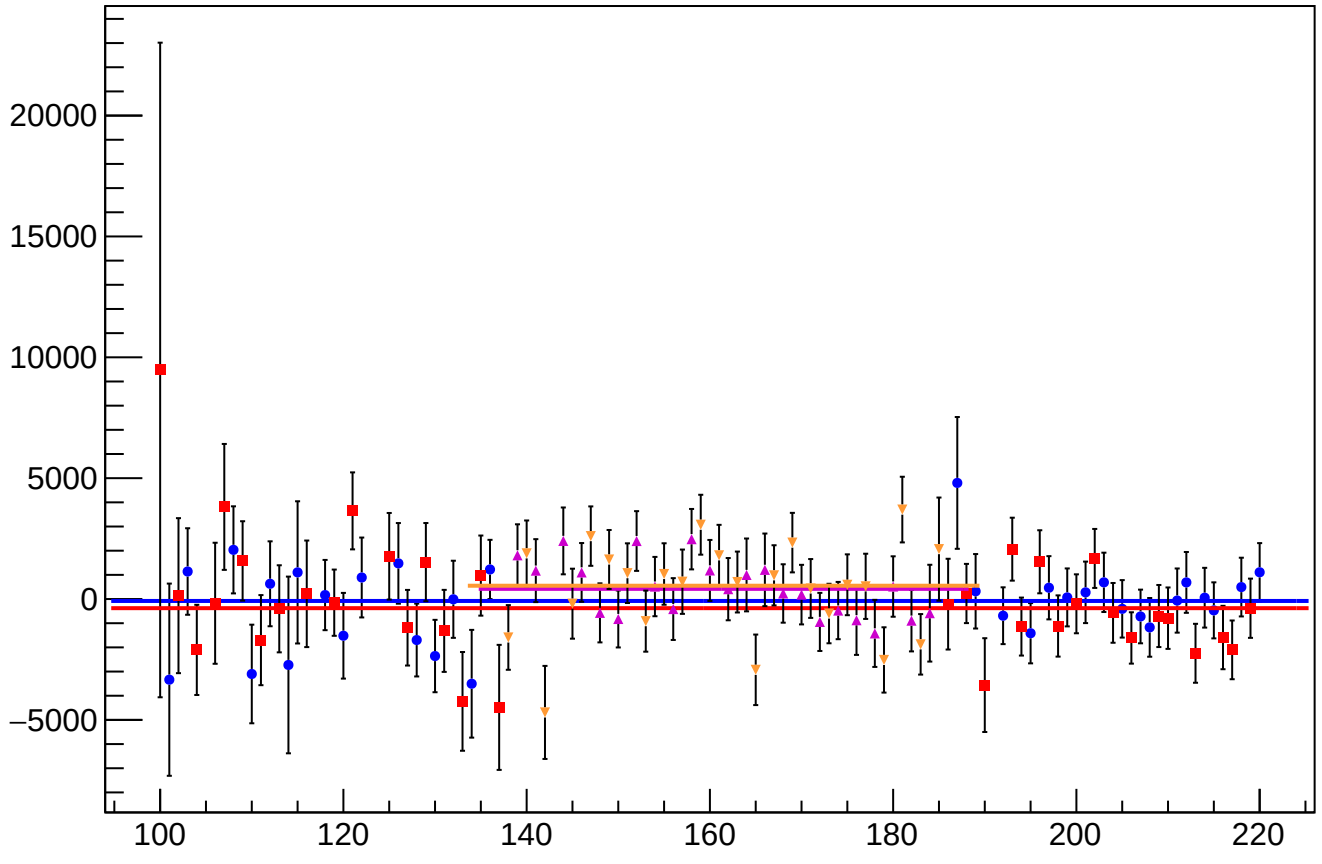
Right Out: 1752.806+/-0.362 χ^2/NDF: 18255607.1/34

Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3198.814+/-0.385 χ^2/NDF: 8837646.8/56

All: 2618.226+/-0.242 χ^2/NDF: 39076792.6/1

- sign 2237.967+/-0.311 χ^2/NDF: 26466552.1/57



Right In: -79.453+/-251.985 χ^2/NDF: 22.7/32

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: -377.757+/-254.648 χ^2/NDF: 41.5/34

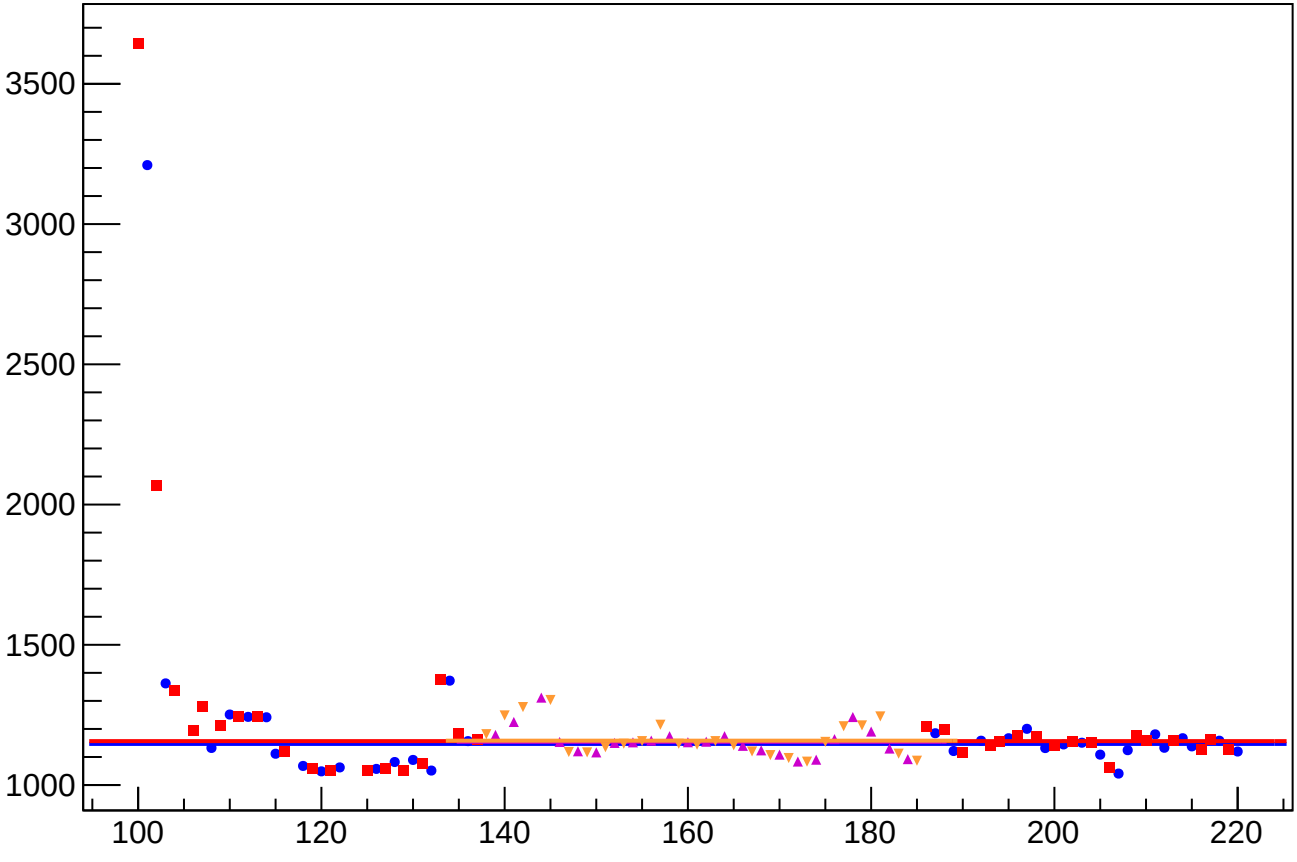
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 214.807+/-183.967 χ^2/NDF: 70.8/56

All: 107.397+/-130.516 χ^2/NDF: 135.7/114

- sign -1.449+/-185.193 χ^2/NDF: 64.2/57

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1146.634+/-0.178 χ^2/NDF: 667700.2/32

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

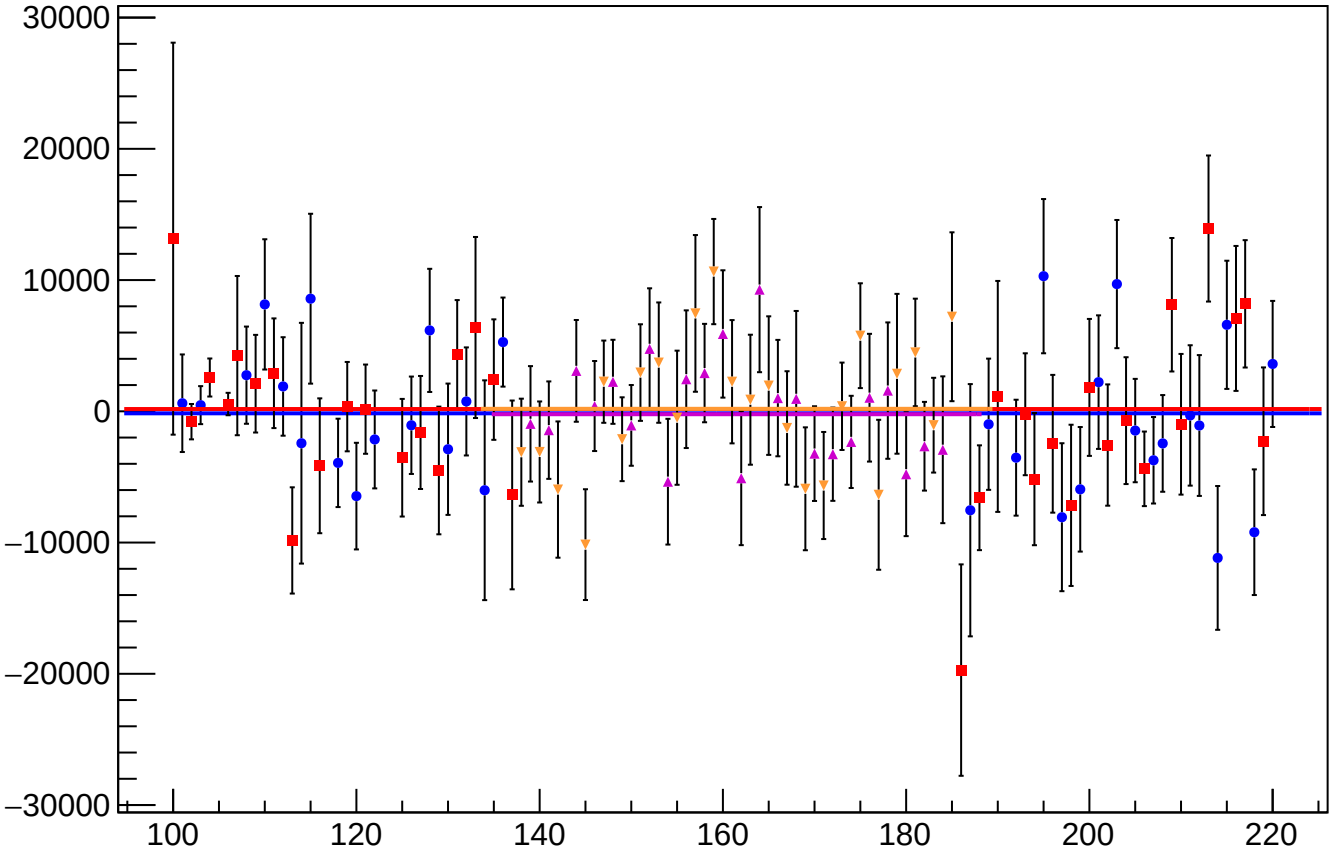
Right Out: 1156.575+/-0.180 χ^2/NDF: 358334.4/34

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1152.025+/-0.130 χ^2/NDF: 753774.8/56

All: 1153.737+/-0.092 χ^2/NDF: 1179017.2/11

- sign 1155.471+/-0.131 χ^2/NDF: 424893.7/57



Right In: -152.963+/-696.999 χ^2/NDF: 39.0/32

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

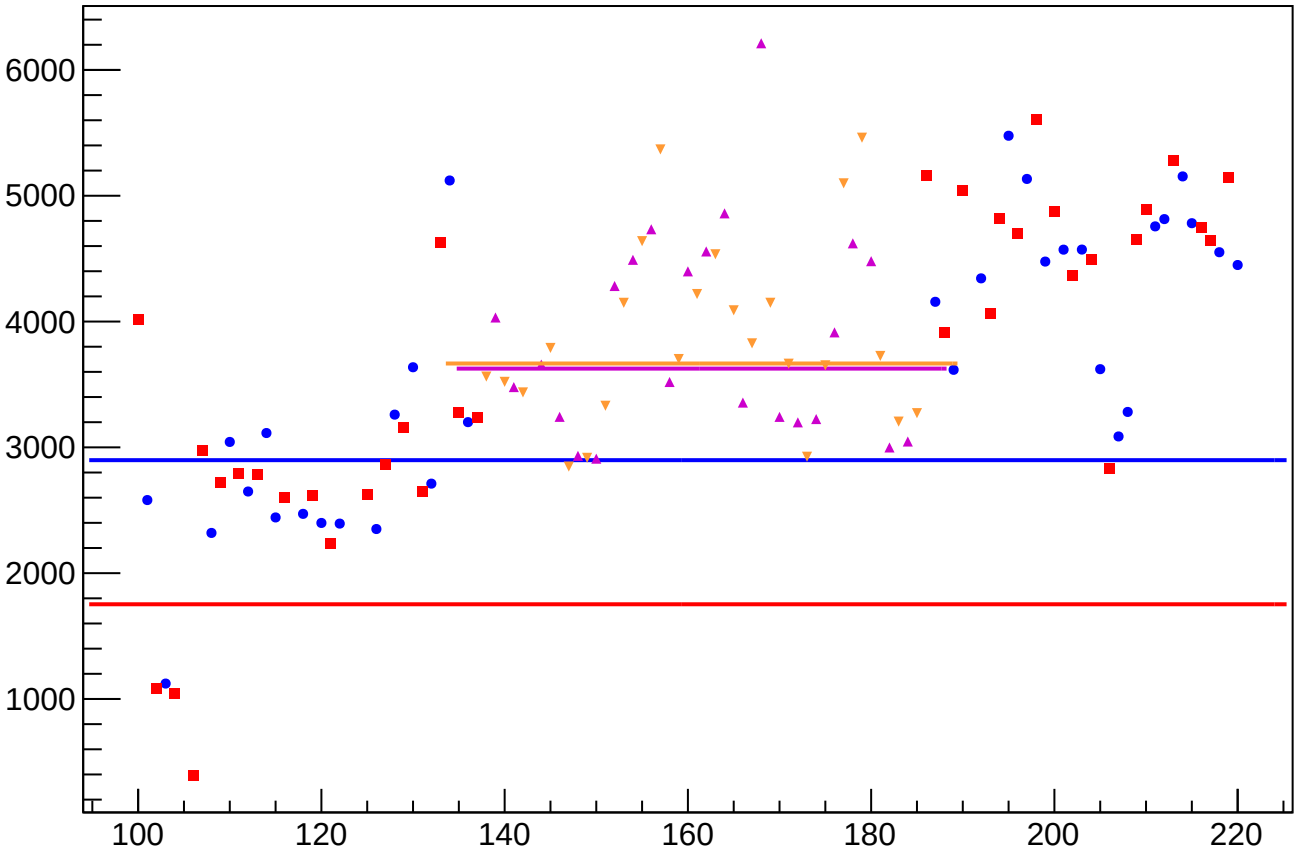
Right Out: 173.776+/-511.271 χ^2/NDF: 44.8/34

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign -18.887+/-543.821 χ^2/NDF: 68.4/56

All: 35.689+/-342.111 χ^2/NDF: 126.7/114

- sign 71.433+/-440.108 χ^2/NDF: 58.3/57



Right In: 2898.218+/-0.493 χ^2/NDF: 6791054.7/32

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1752.776+/-0.362 χ^2/NDF: 18255970.8/34

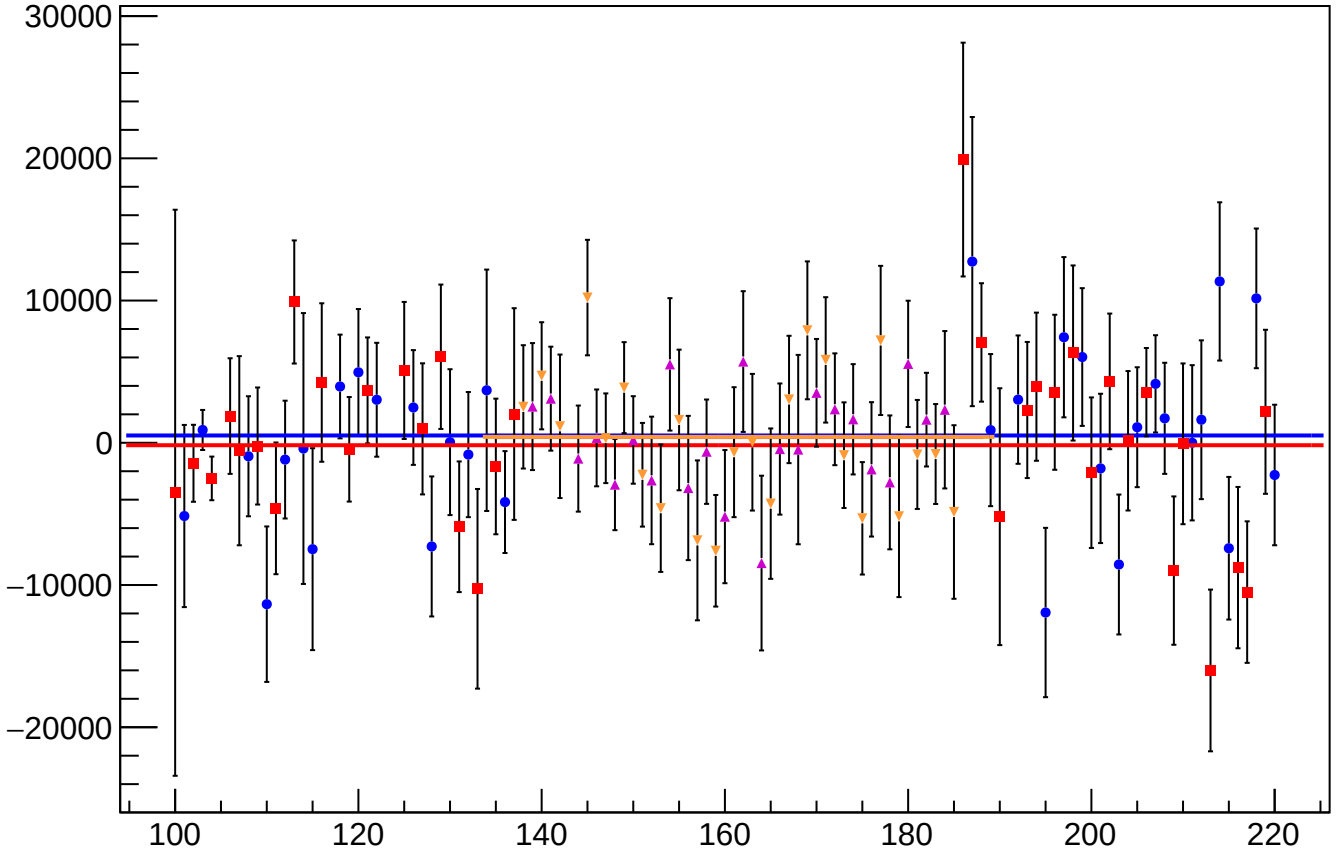
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 3198.814+/-0.385 χ^2/NDF: 8837698.9/56

All: 2618.205+/-0.242 χ^2/NDF: 39077742.4/1

- sign 2237.938+/-0.311 χ^2/NDF: 26467203.0/57

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 513.537+/-729.157 χ^2/NDF: 38.4/32

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

Right Out: -171.562+/-726.493 χ^2/NDF: 49.0/34

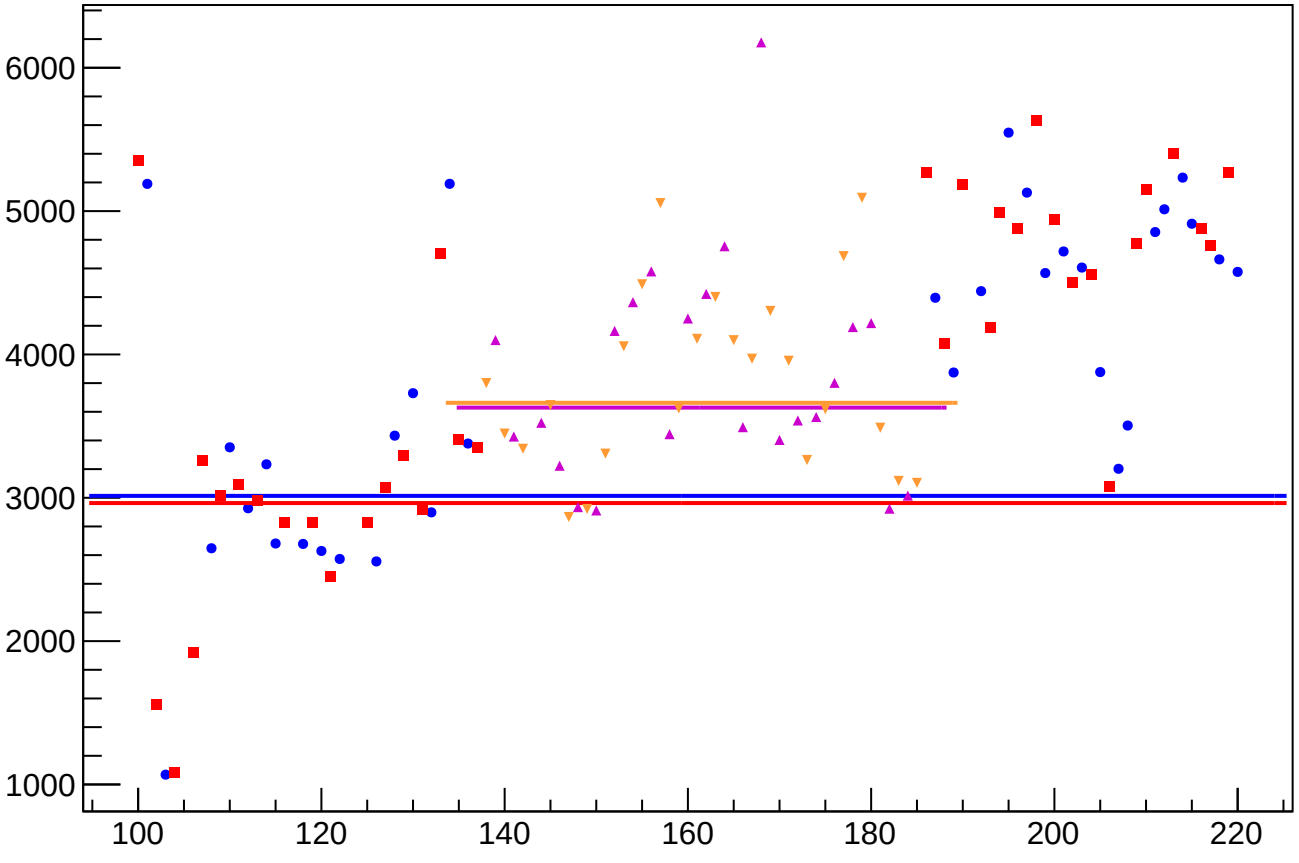
Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

+ sign 471.997+/-557.595 χ^2/NDF: 65.6/56

All: 268.856+/-393.583 χ^2/NDF: 127.4/114

- sign 67.144+/-555.630 χ^2/NDF: 61.6/57

asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 3013.373+/-0.516 χ^2/NDF: 7559435.4/32

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

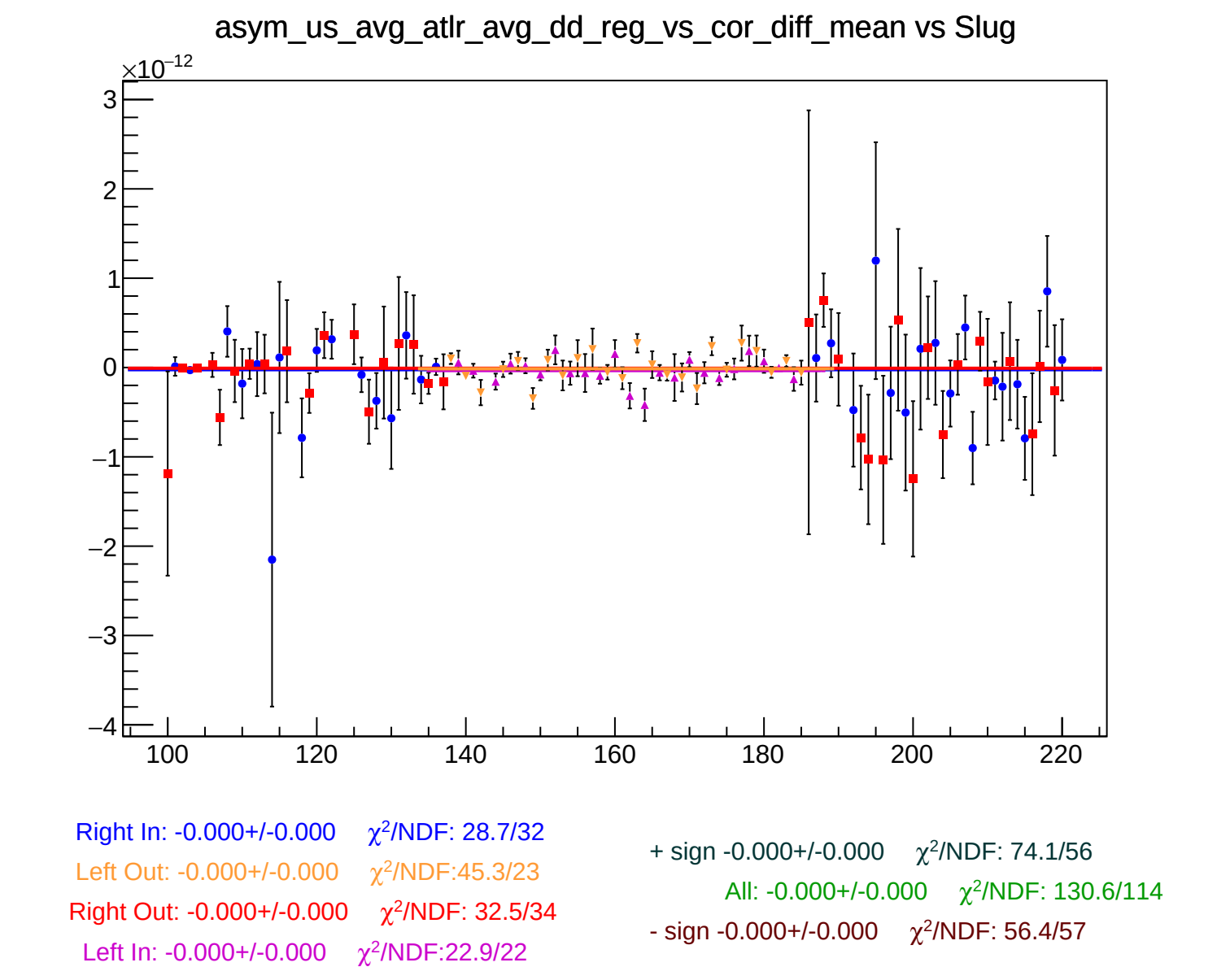
Right Out: 2963.245+/-0.513 χ^2/NDF: 7824464.8/34

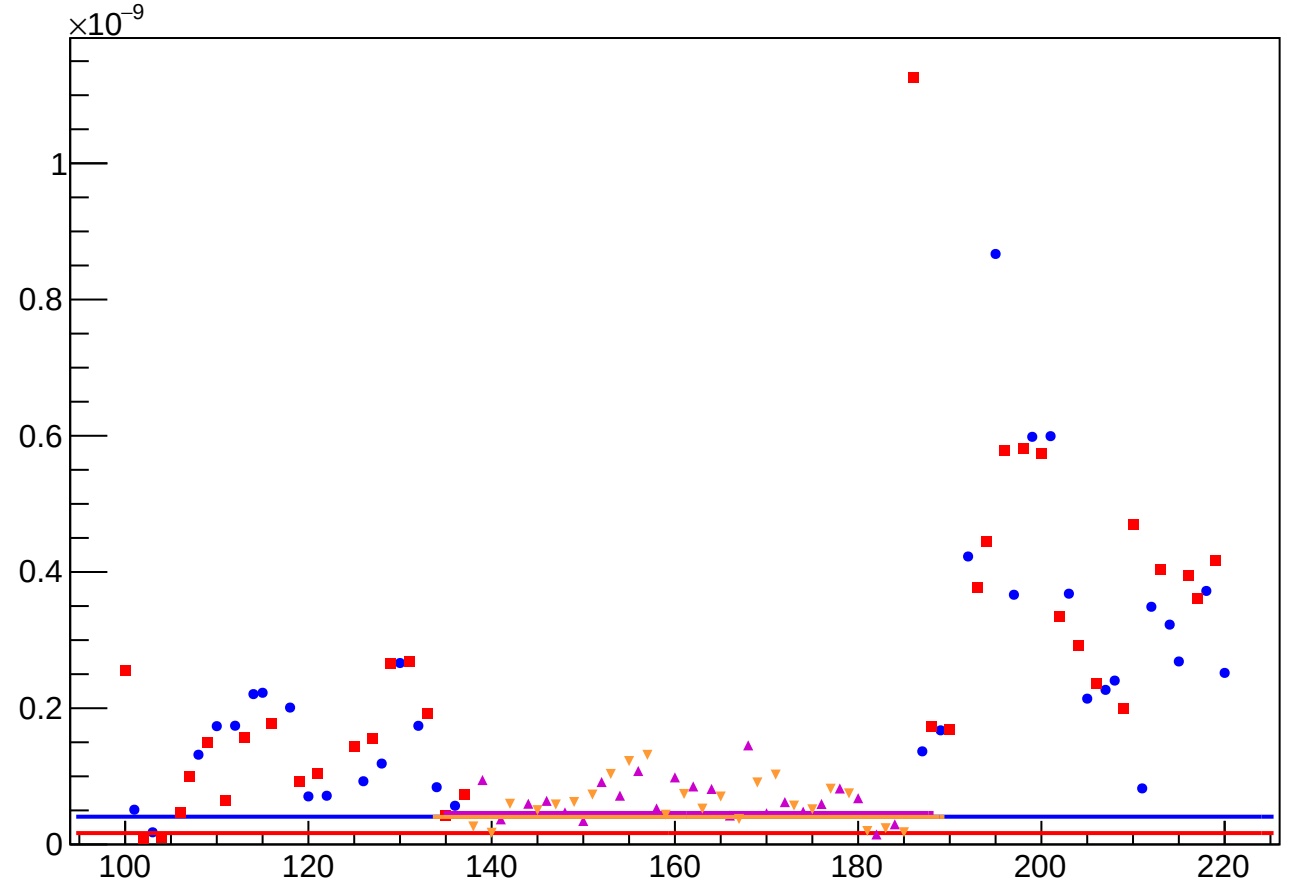
Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3282.966+/-0.394 χ^2/NDF: 9111377.6/56

All: 3260.958+/-0.278 χ^2/NDF: 18695417.6/1

- sign 3239.144+/-0.393 χ^2/NDF: 9577836.0/57


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 28.7/32
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 32.5/34
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 74.1/56
All: -0.000+/-0.000 χ²/NDF: 130.6/114
- sign -0.000+/-0.000 χ²/NDF: 56.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 11707656.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14585456.9/34

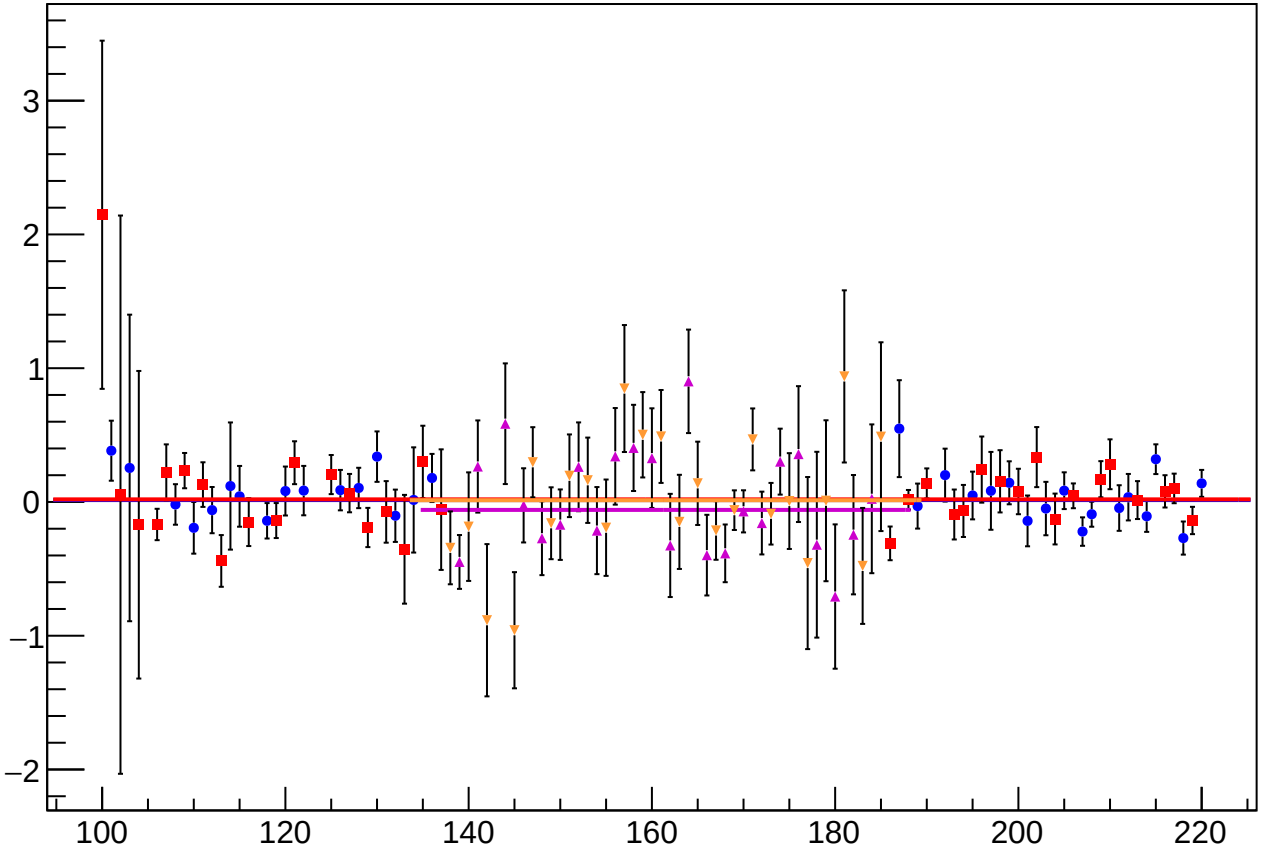
Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 15140135.2/56

All: 0.000+/-0.000 χ^2/NDF: 36466328.8/114

- sign 0.000+/-0.000 χ^2/NDF: 20318612.3/57

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.028 χ^2/NDF: 37.3/32

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

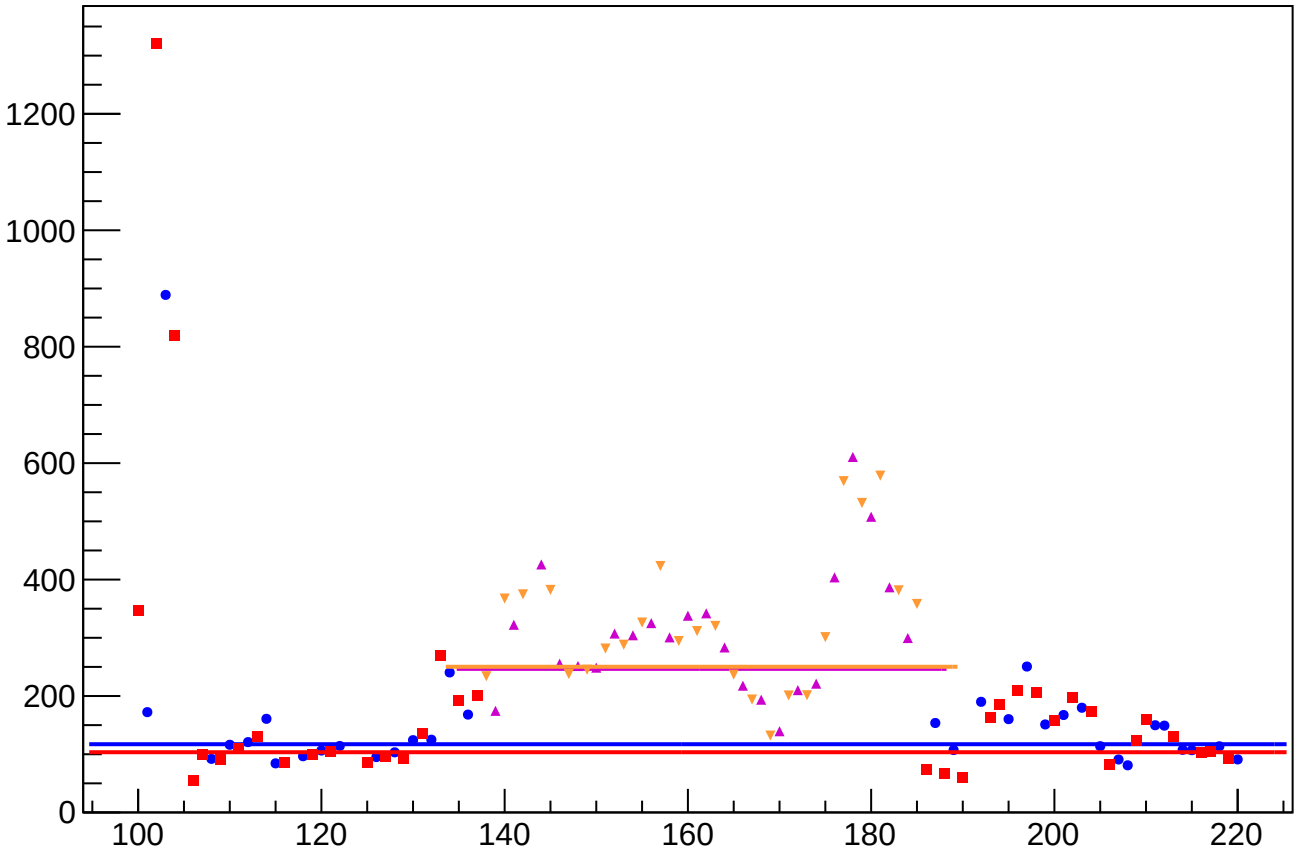
Right Out: 0.019+/-0.026 χ^2/NDF: 45.0/34

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.014+/-0.025 χ^2/NDF: 66.6/56

All: 0.011+/-0.017 χ^2/NDF: 141.0/114

- sign 0.008+/-0.024 χ^2/NDF: 74.3/57



Right In: 117.219+/-0.020 χ^2/NDF: 3613561.0/32

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

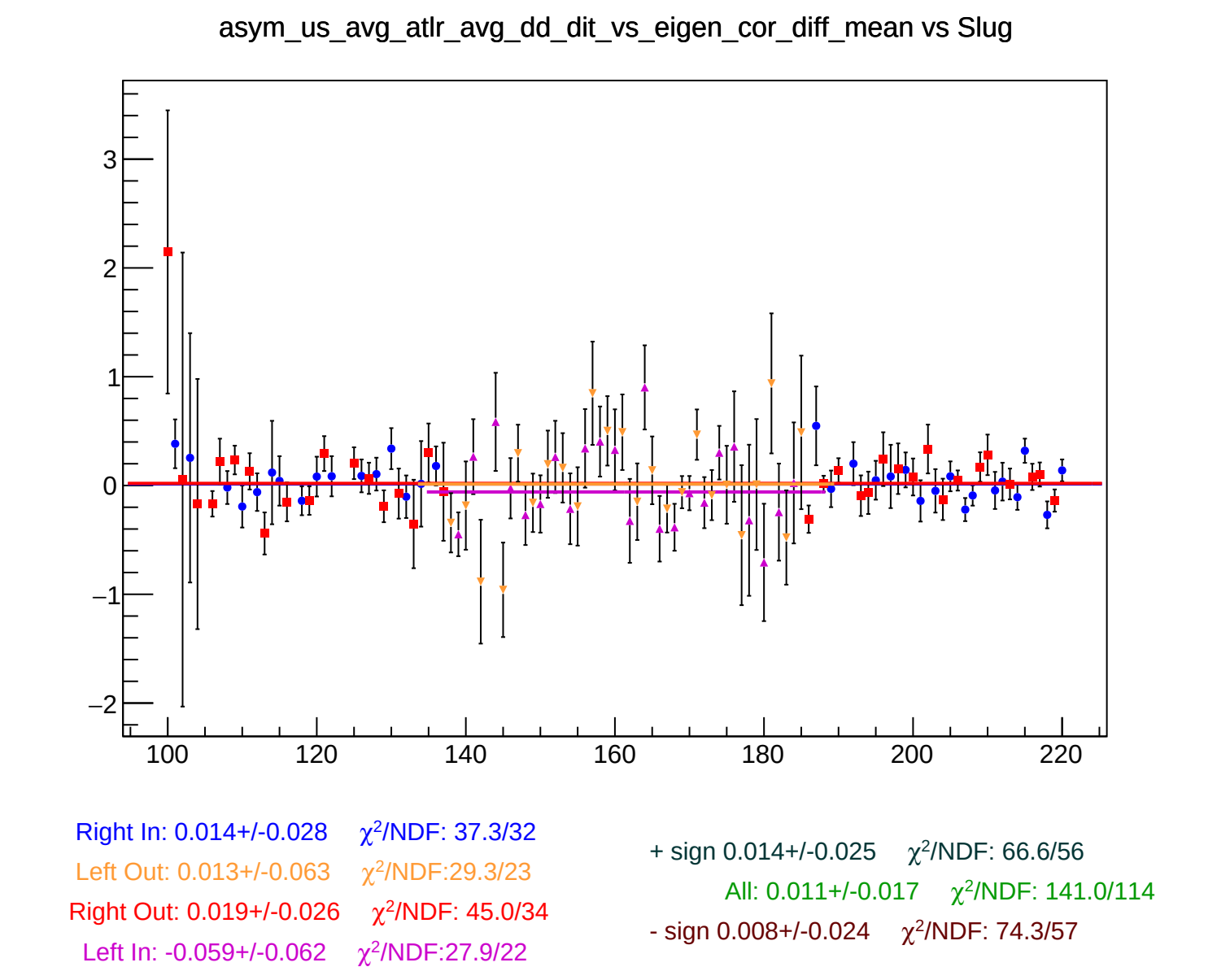
Right Out: 103.449+/-0.018 χ^2/NDF: 6151361.7/34

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 138.966+/-0.018 χ^2/NDF: 15424386.3/56

All: 131.079+/-0.012 χ^2/NDF: 34817210.3/11

- sign 124.280+/-0.017 χ^2/NDF: 19035915.7/57


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
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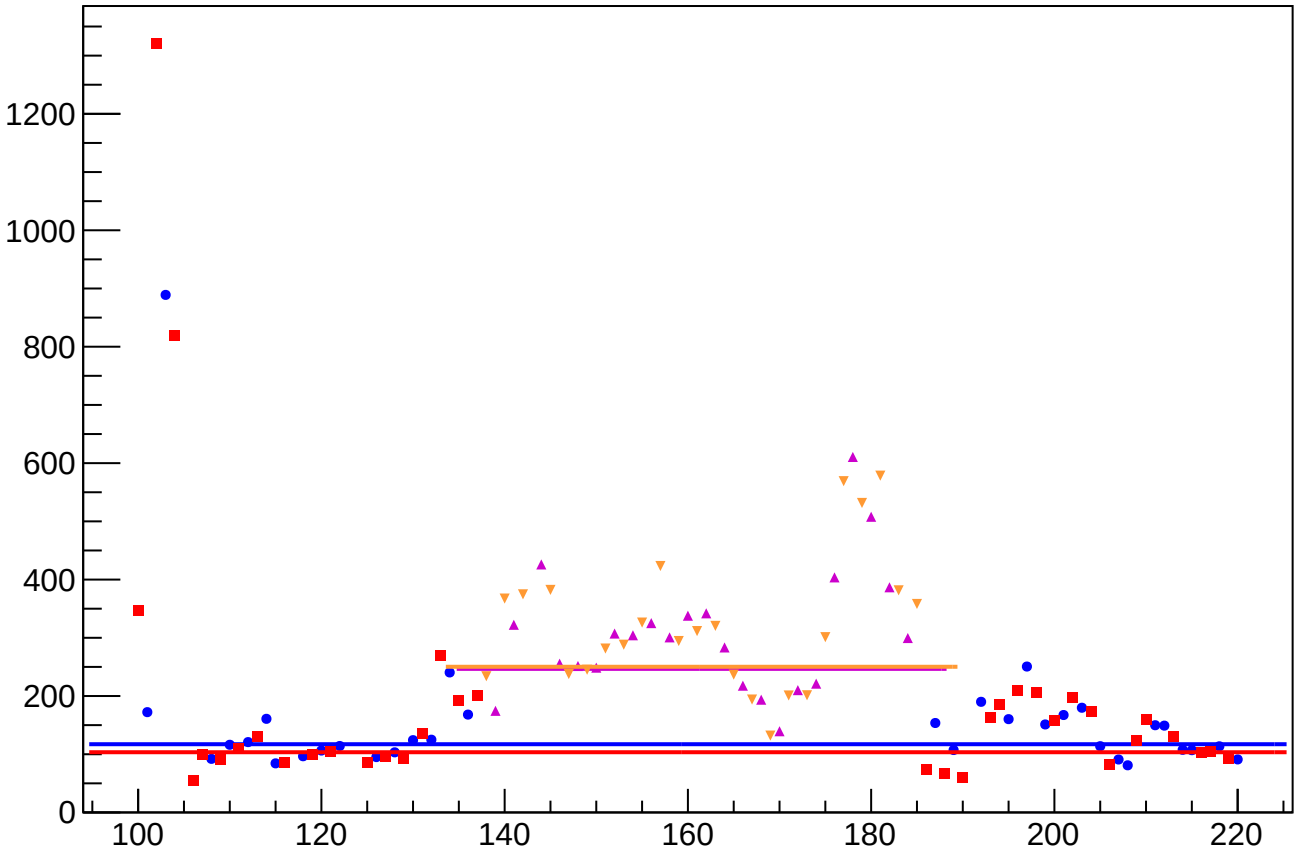
220
Right In: 0.014+/-0.028 χ²/NDF: 37.3/32
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.019+/-0.026 χ²/NDF: 45.0/34
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.014+/-0.025 χ²/NDF: 66.6/56
All: 0.011+/-0.017 χ²/NDF: 141.0/114
- sign 0.008+/-0.024 χ²/NDF: 74.3/57



Right In: 117.219+/-0.020 χ^2/NDF: 3613561.0/32

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

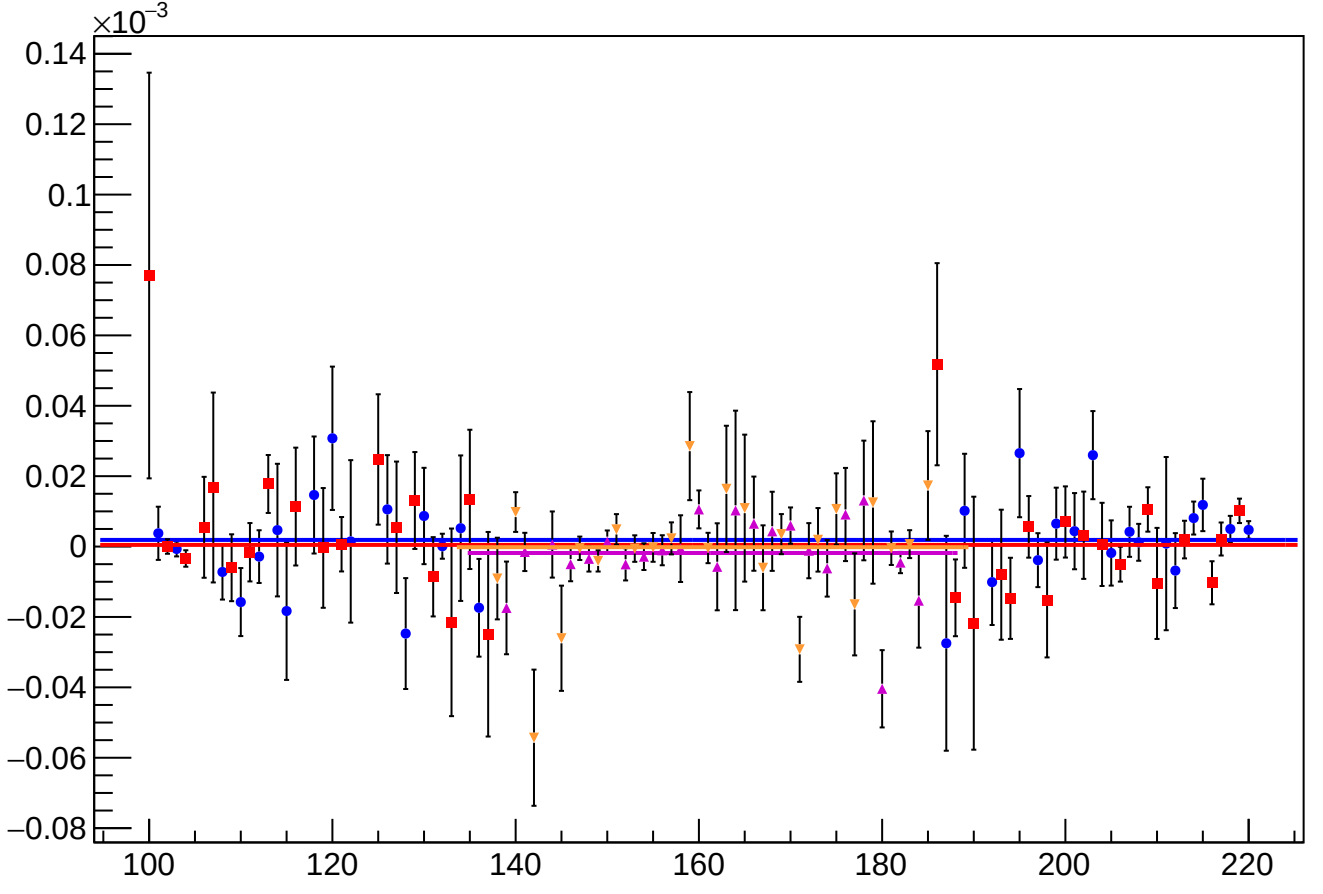
Right Out: 103.449+/-0.018 χ^2/NDF: 6151361.7/34

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 138.966+/-0.018 χ^2/NDF: 15424386.3/56

All: 131.079+/-0.012 χ^2/NDF: 34817210.3/11

- sign 124.280+/-0.017 χ^2/NDF: 19035915.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

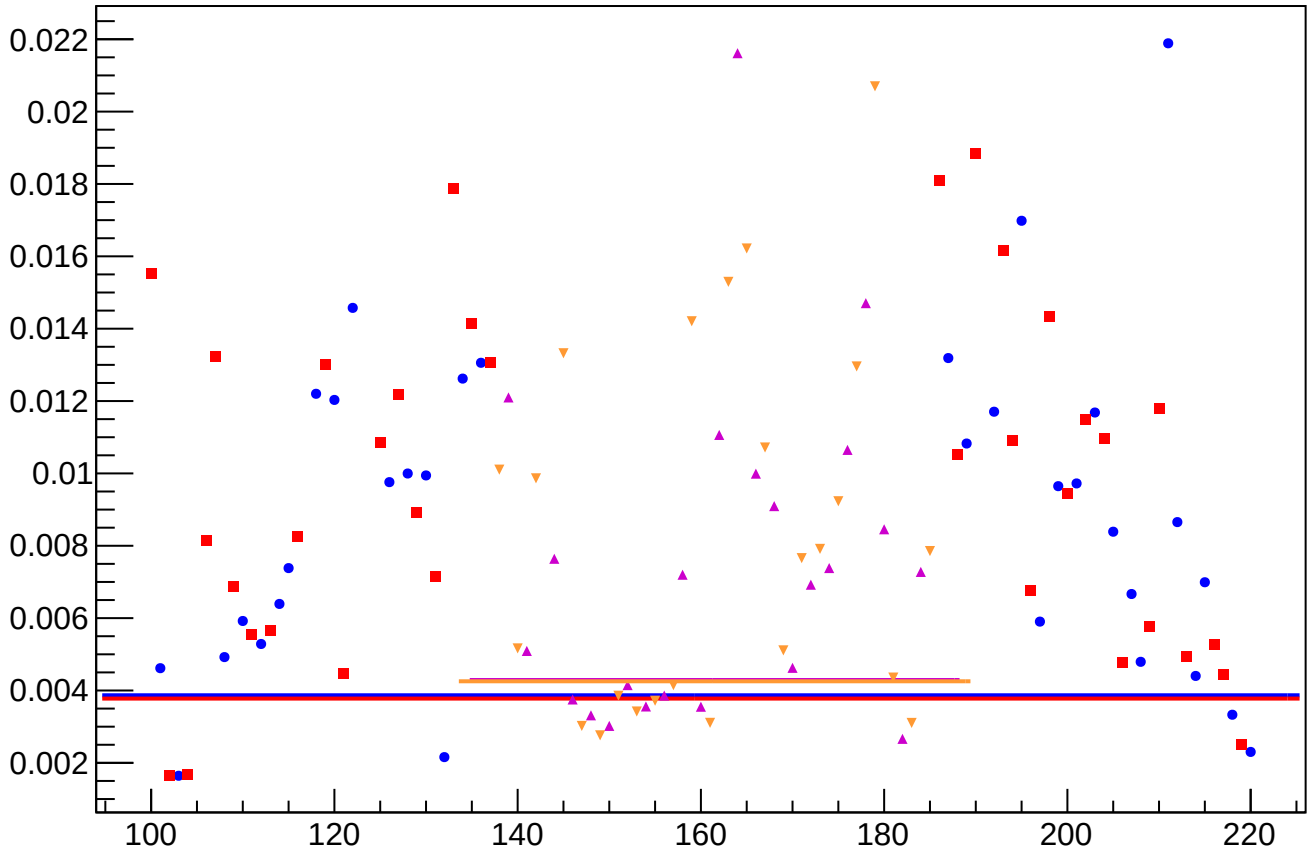
Right Out: 0.000+/-0.000 χ^2/NDF: 40.0/34

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.8/56

All: 0.000+/-0.000 χ^2/NDF: 141.8/114

- sign -0.000+/-0.000 χ^2/NDF: 70.3/57



Right In: 0.004+/-0.000 χ^2/NDF: 14580148.1/32

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

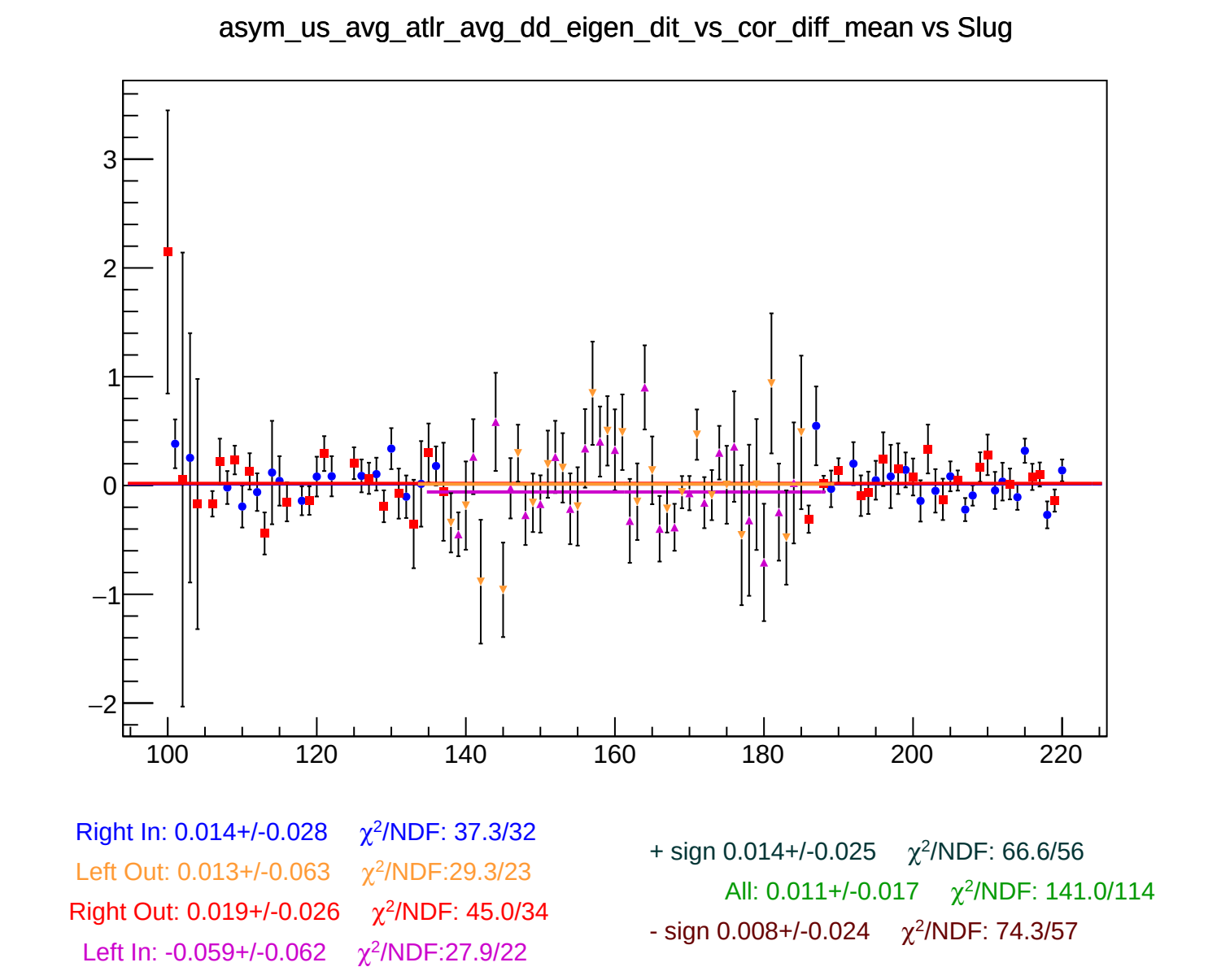
Right Out: 0.004+/-0.000 χ^2/NDF: 15667845.3/34

Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 23188942.7/56

All: 0.004+/-0.000 χ^2/NDF: 45659316.1/114

- sign 0.004+/-0.000 χ^2/NDF: 22468286.2/57


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
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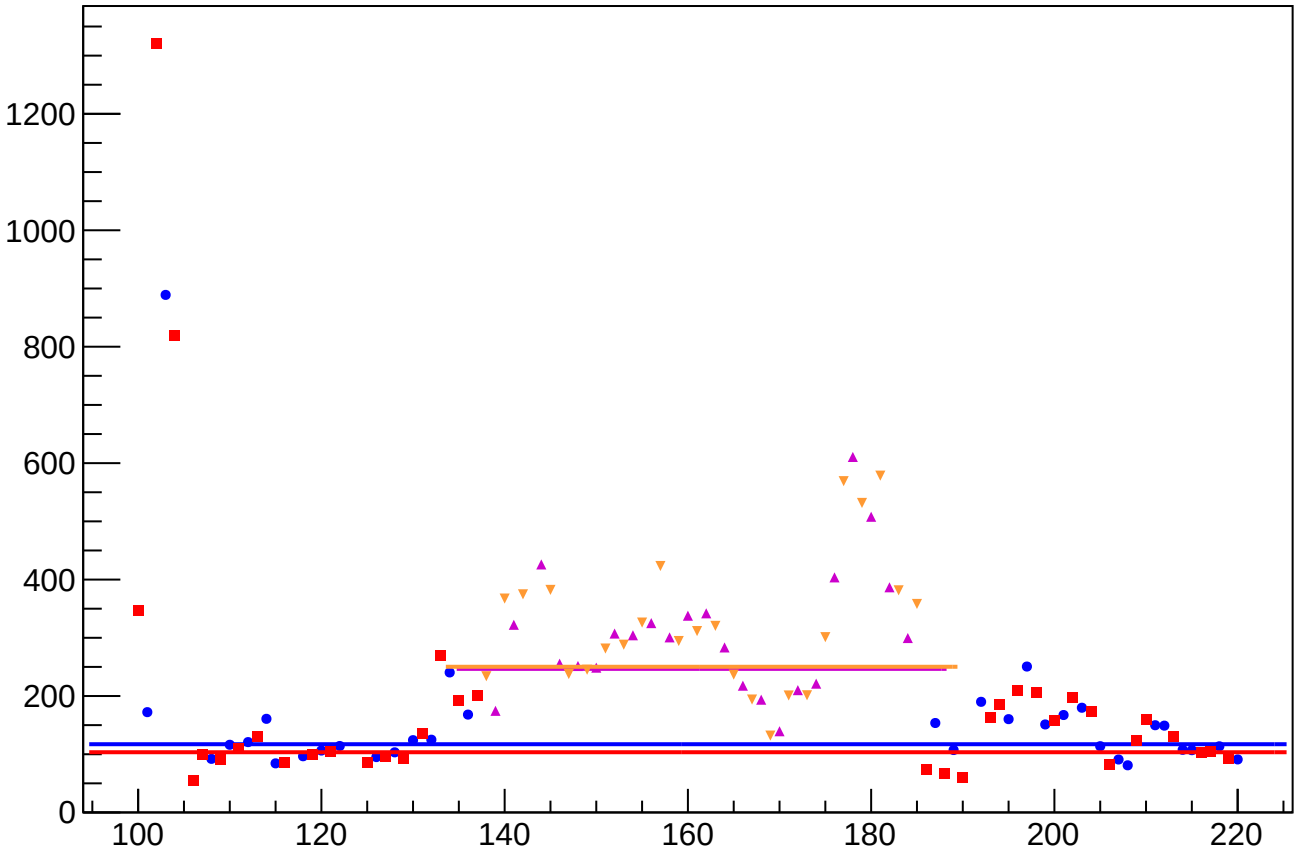
200
220
Right In: 0.014+/-0.028 χ²/NDF: 37.3/32
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.019+/-0.026 χ²/NDF: 45.0/34
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.014+/-0.025 χ²/NDF: 66.6/56
All: 0.011+/-0.017 χ²/NDF: 141.0/114
- sign 0.008+/-0.024 χ²/NDF: 74.3/57



Right In: 117.218+/-0.020 χ^2/NDF: 3613648.9/32

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

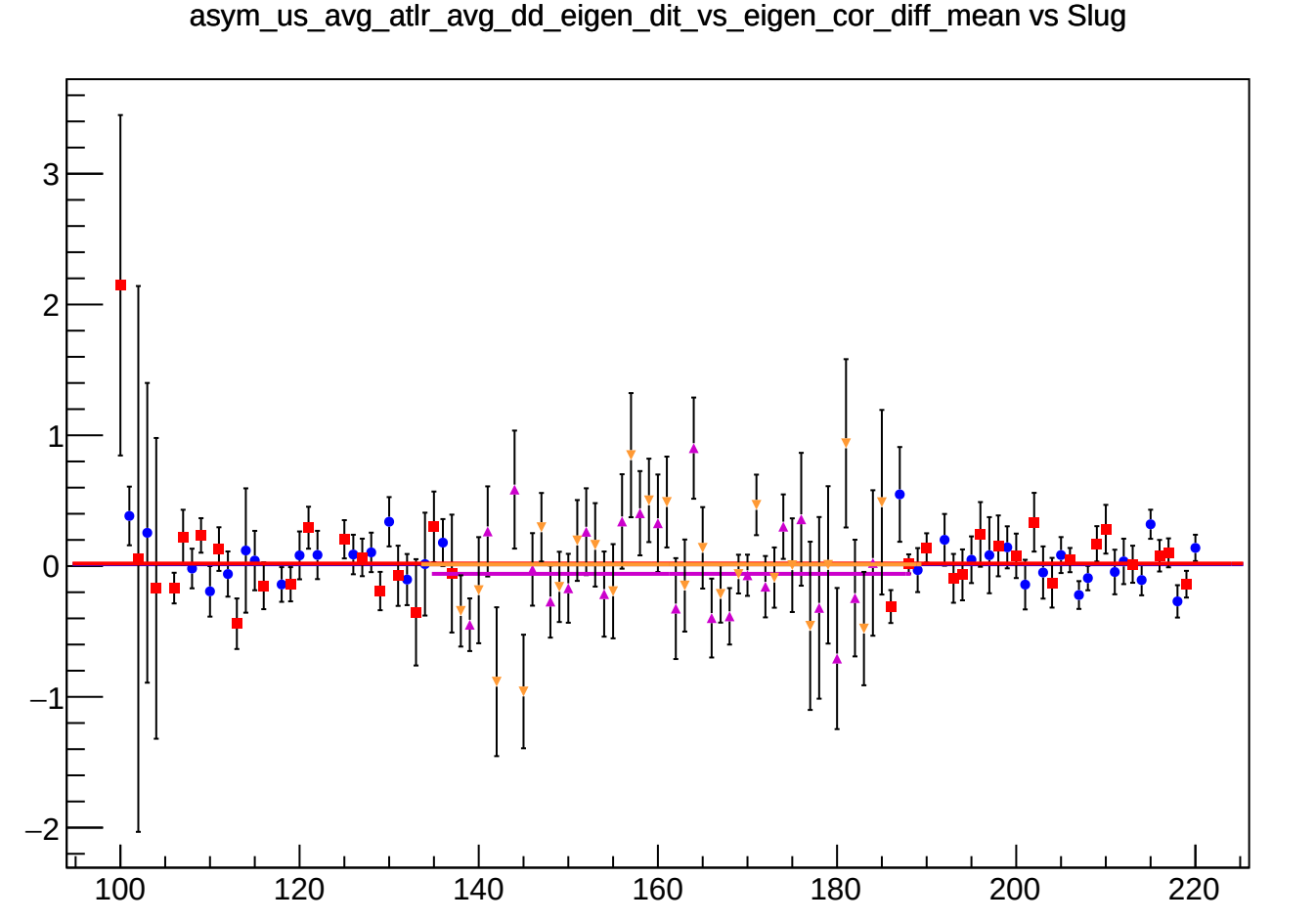
Right Out: 103.445+/-0.018 χ^2/NDF: 6151926.2/34

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 138.964+/-0.018 χ^2/NDF: 15424778.5/56

All: 131.076+/-0.012 χ^2/NDF: 34818954.1/11

- sign 124.277+/-0.017 χ^2/NDF: 19037136.2/57



Right In: 0.014+/-0.028 χ^2/NDF: 37.3/32

Left Out: 0.013+/-0.063 χ^2/NDF:29.3/23

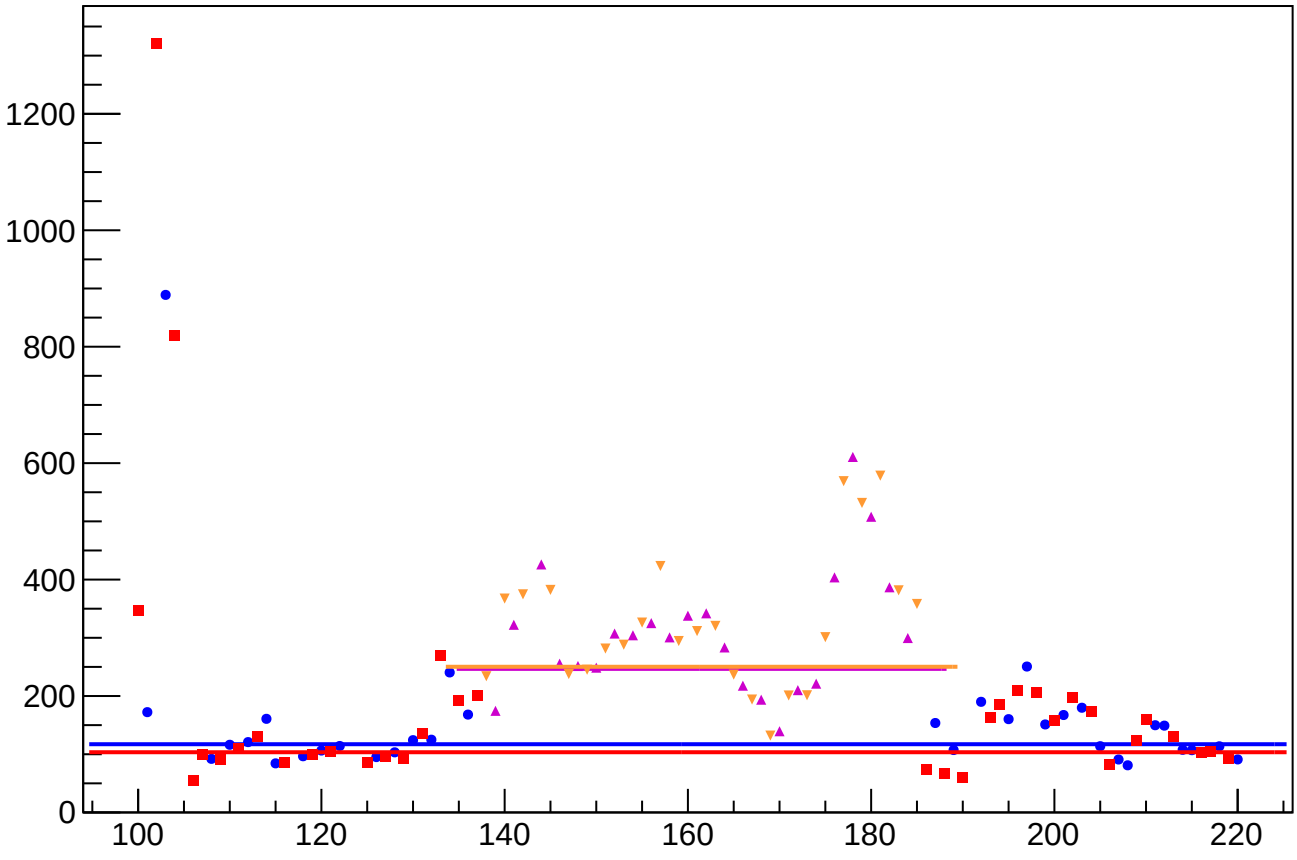
Right Out: 0.019+/-0.026 χ^2/NDF: 45.0/34

Left In: -0.059+/-0.062 χ^2/NDF:27.9/22

+ sign 0.014+/-0.025 χ^2/NDF: 66.6/56

All: 0.011+/-0.017 χ^2/NDF: 141.0/114

- sign 0.008+/-0.024 χ^2/NDF: 74.3/57



Right In: 117.218+/-0.020 χ^2/NDF: 3613648.9/32

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

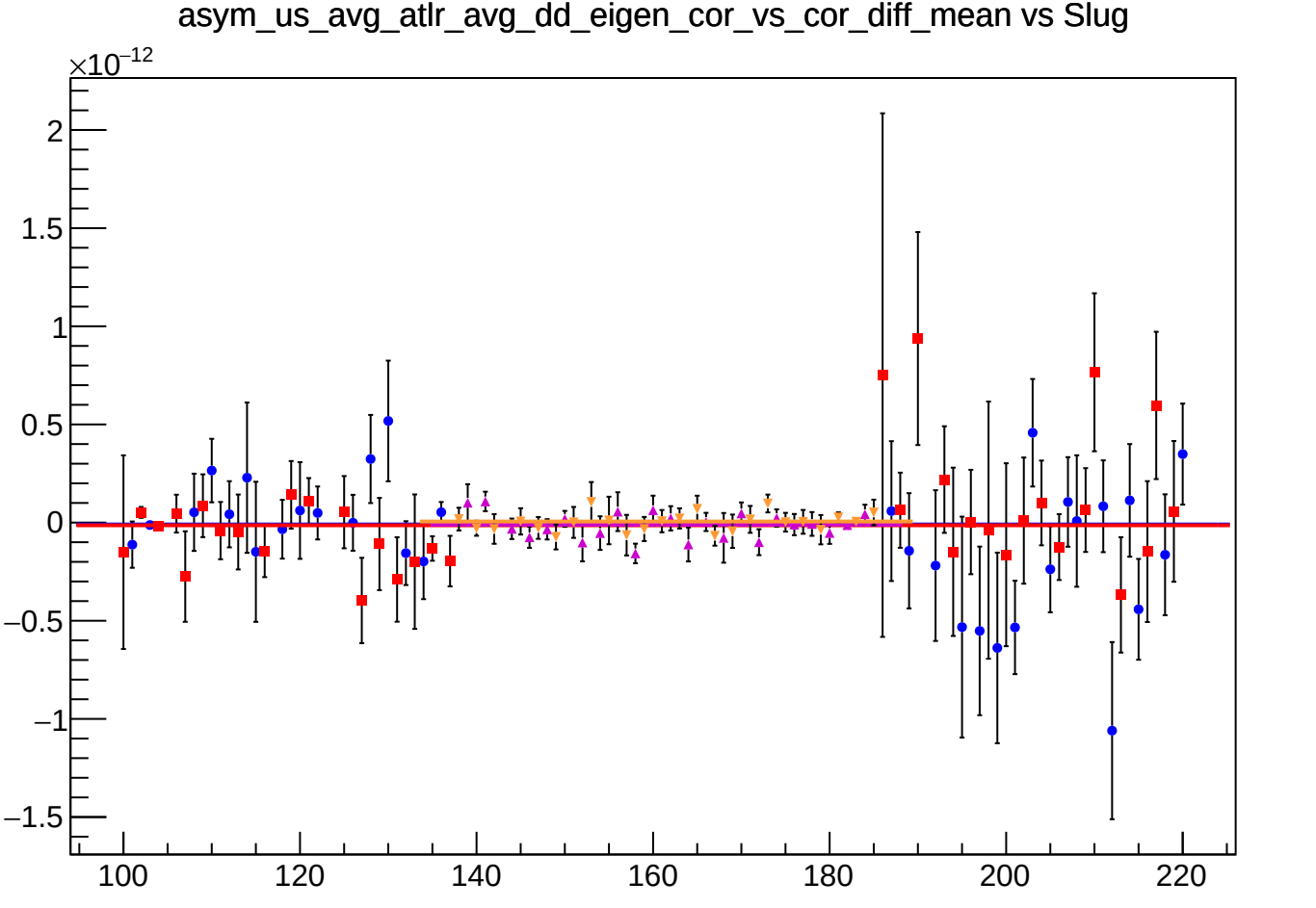
Right Out: 103.445+/-0.018 χ^2/NDF: 6151926.2/34

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 138.964+/-0.018 χ^2/NDF: 15424778.5/56

All: 131.076+/-0.012 χ^2/NDF: 34818954.1/11

- sign 124.277+/-0.017 χ^2/NDF: 19037136.2/57


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
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1
0.5
0
−0.5
−1
−1.5
100
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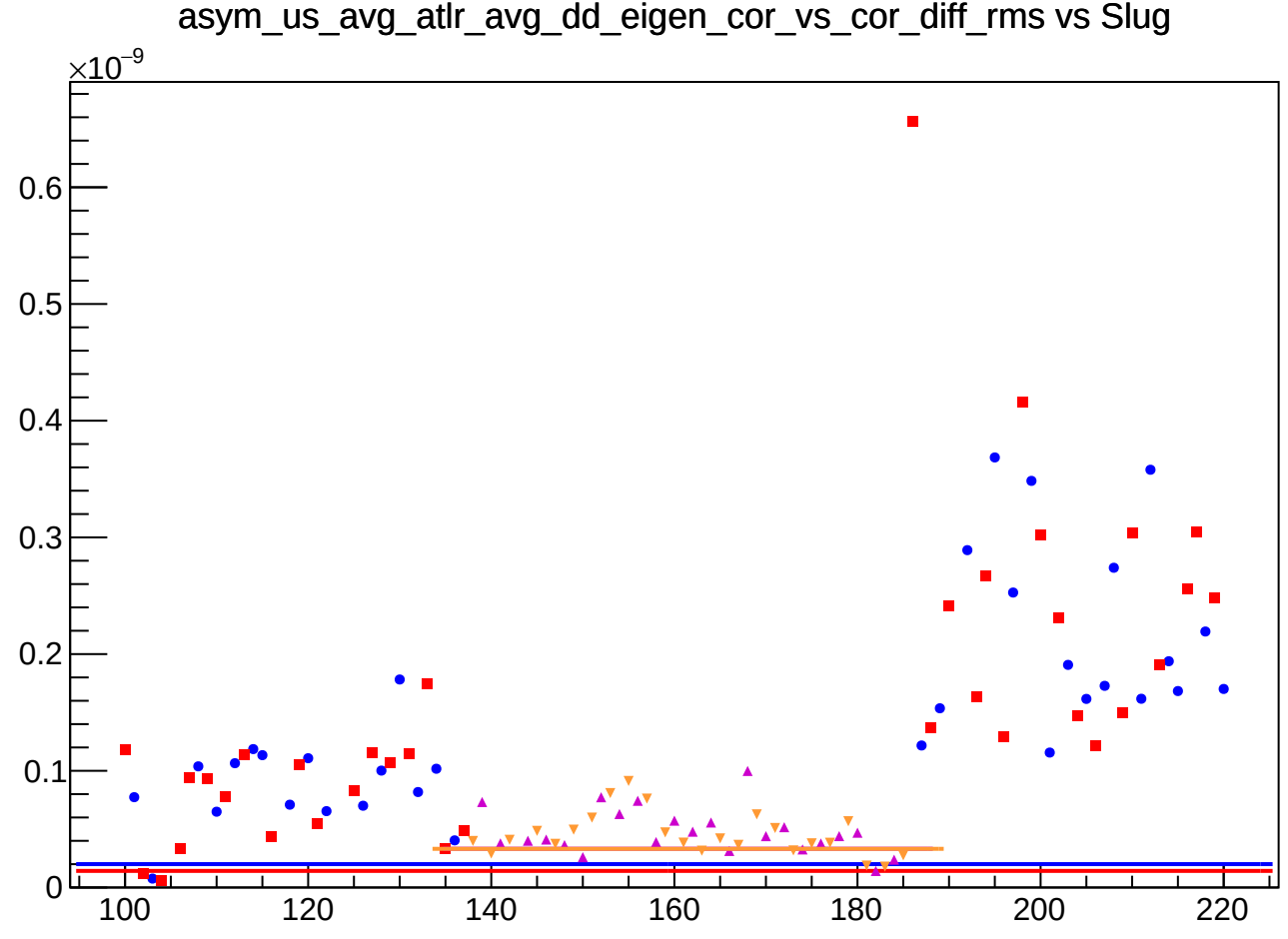
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 37.7/32
Left Out: 0.000+/-0.000 χ²/NDF:13.8/23
Right Out: -0.000+/-0.000 χ²/NDF: 35.3/34
Left In: -0.000+/-0.000 χ²/NDF:27.9/22
+ sign -0.000+/-0.000 χ²/NDF: 52.3/56
All: -0.000+/-0.000 χ²/NDF: 116.7/114
- sign -0.000+/-0.000 χ²/NDF: 63.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 18817831.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 18913380.6/34

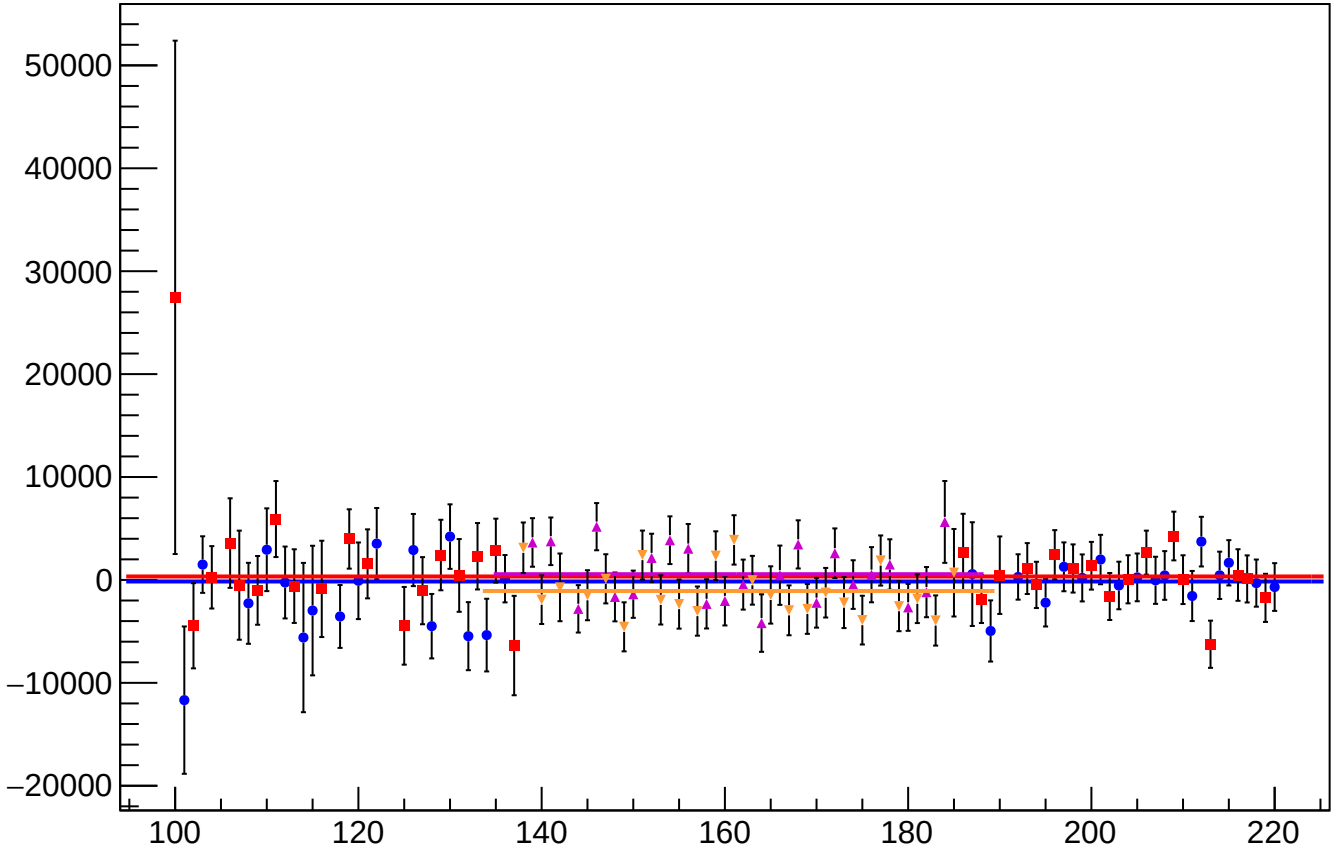
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 24163870.5/56

All: 0.000+/-0.000 χ^2/NDF: 51966571.1/114

- sign 0.000+/-0.000 χ^2/NDF: 27440746.6/57

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -150.799+/-484.722 χ^2/NDF: 24.8/32

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 336.877+/-486.211 χ^2/NDF: 28.9/34

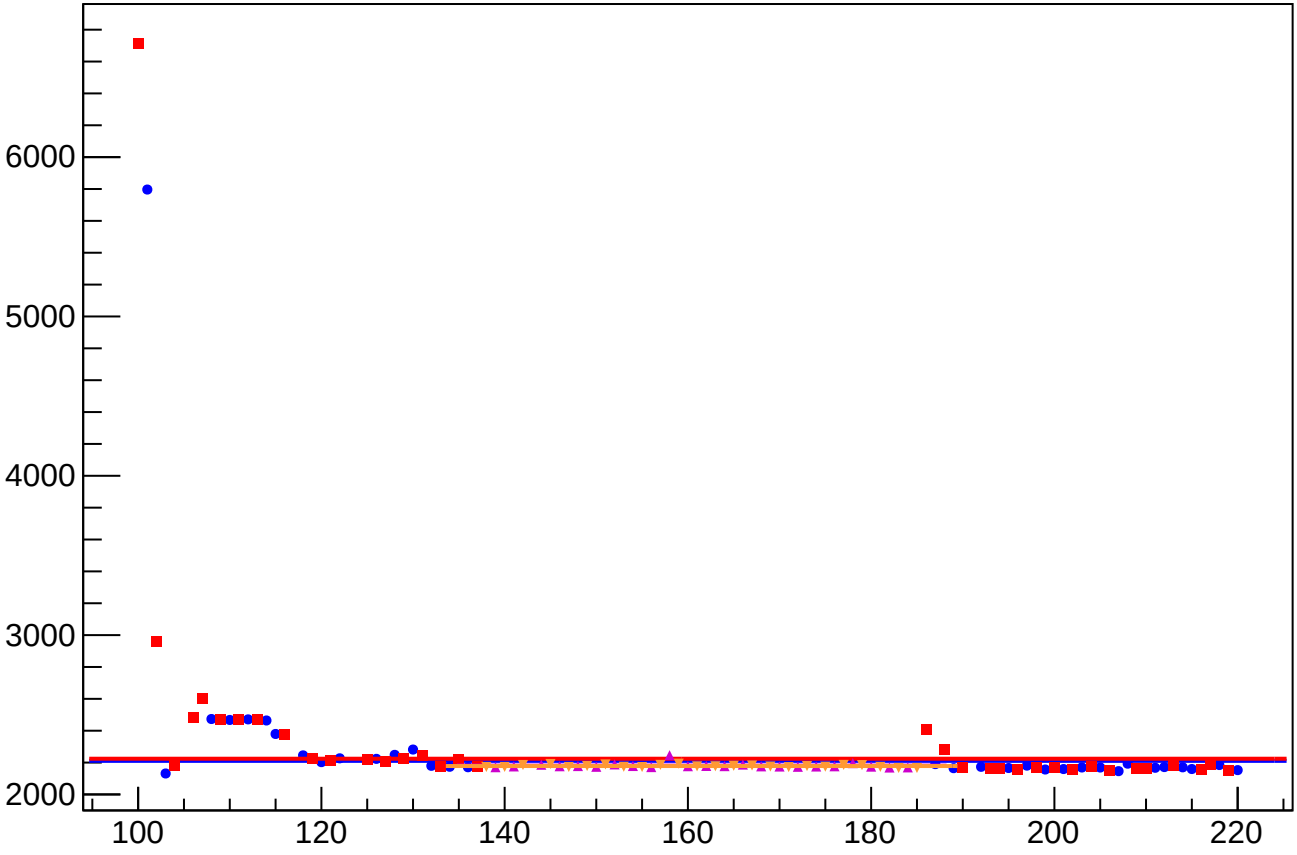
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -592.461+/-349.877 χ^2/NDF: 48.1/56

All: -77.907+/-248.025 χ^2/NDF: 110.2/114

- sign 441.881+/-351.652 χ^2/NDF: 57.7/57

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2210.796+/-0.343 χ^2/NDF: 549870.4/32

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

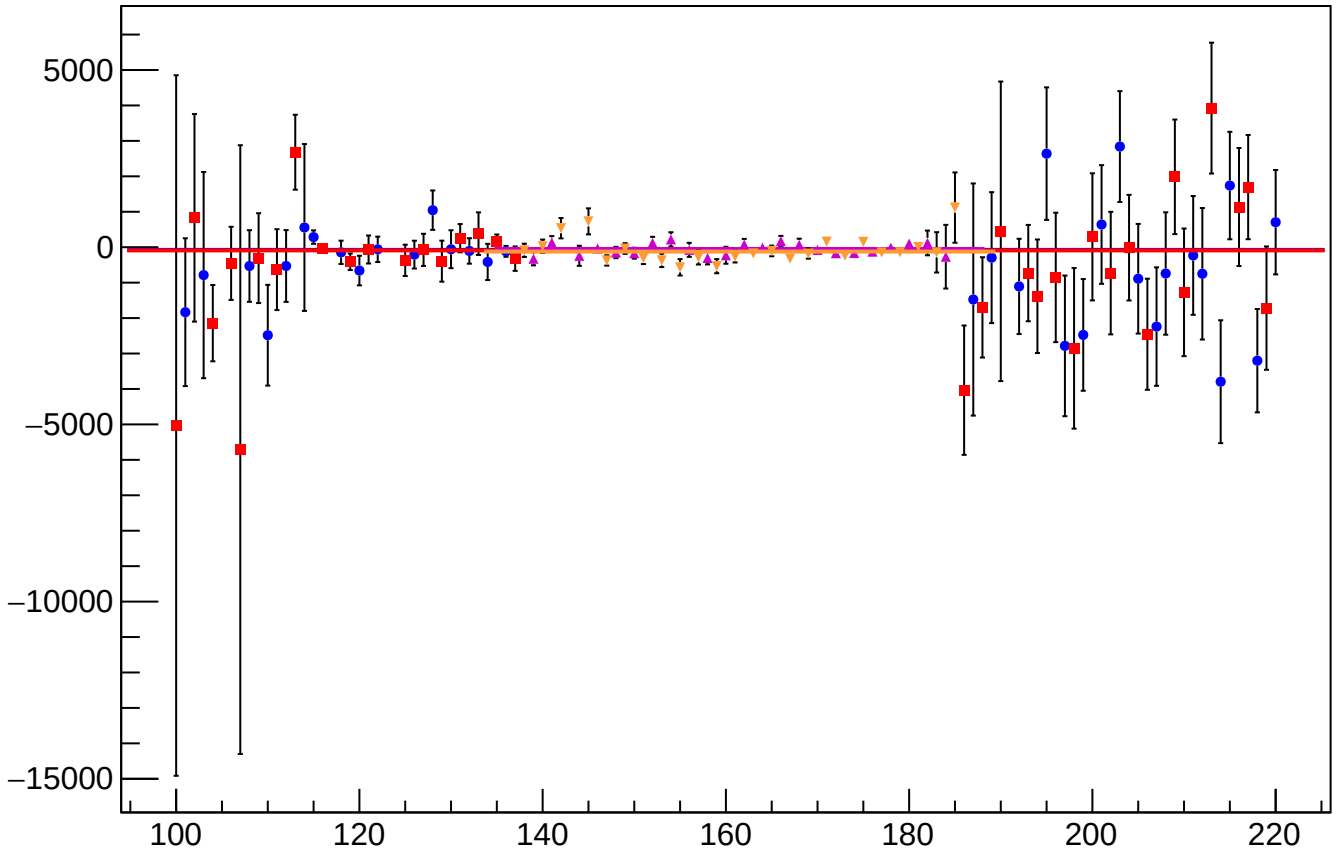
Right Out: 2224.160+/-0.344 χ^2/NDF: 202422.7/34

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2195.204+/-0.247 χ^2/NDF: 554579.9/56

All: 2199.350+/-0.175 χ^2/NDF: 766977.7/114

- sign 2203.538+/-0.249 χ^2/NDF: 211833.3/57



Right In: -75.563+/-88.704 χ^2/NDF: 38.4/32

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

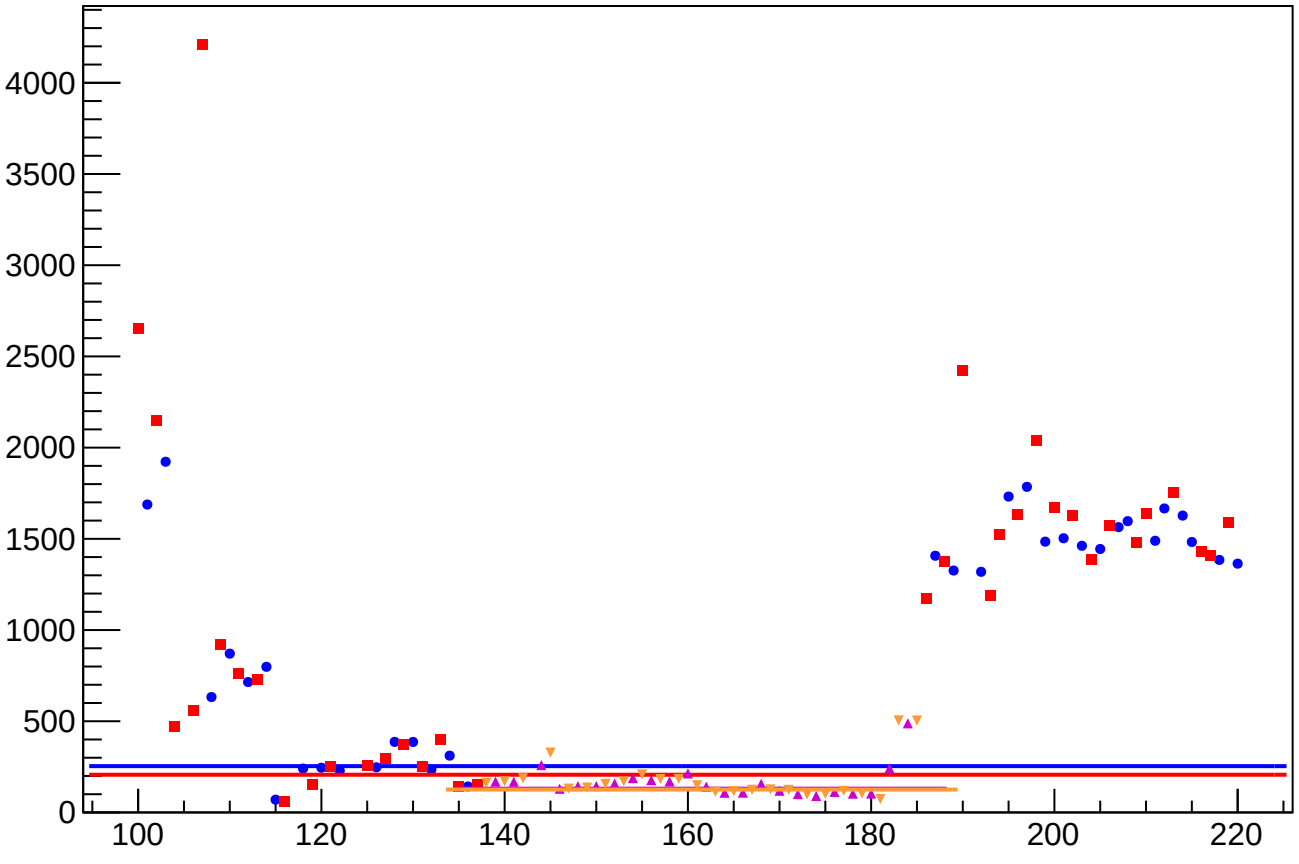
Right Out: -89.565+/-80.776 χ^2/NDF: 38.4/34

Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -117.722+/-29.607 χ^2/NDF: 82.4/56

All: -87.361+/-21.137 χ^2/NDF: 141.4/114

- sign -55.798+/-30.187 χ^2/NDF: 56.8/57



Right In: 253.863+/-0.063 χ^2/NDF: 24930600.1/32

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 206.806+/-0.057 χ^2/NDF: 27393854.4/34

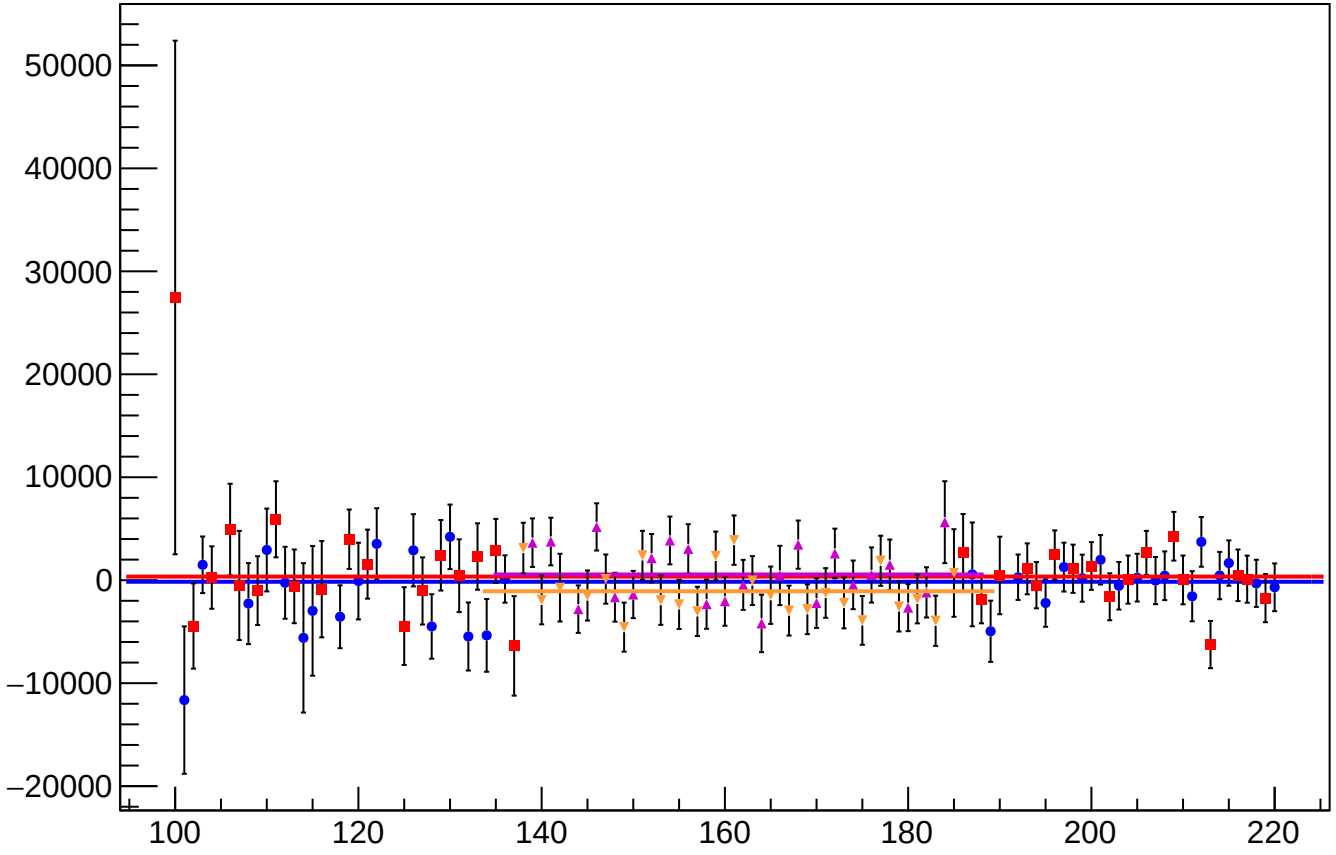
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 139.806+/-0.021 χ^2/NDF: 32594556.9/56

All: 140.441+/-0.015 χ^2/NDF: 64208078.0/11

- sign 141.102+/-0.021 χ^2/NDF: 31611640.9/57

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -150.393+/-484.722 χ^2/NDF: 24.8/32

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 351.432+/-486.337 χ^2/NDF: 29.4/34

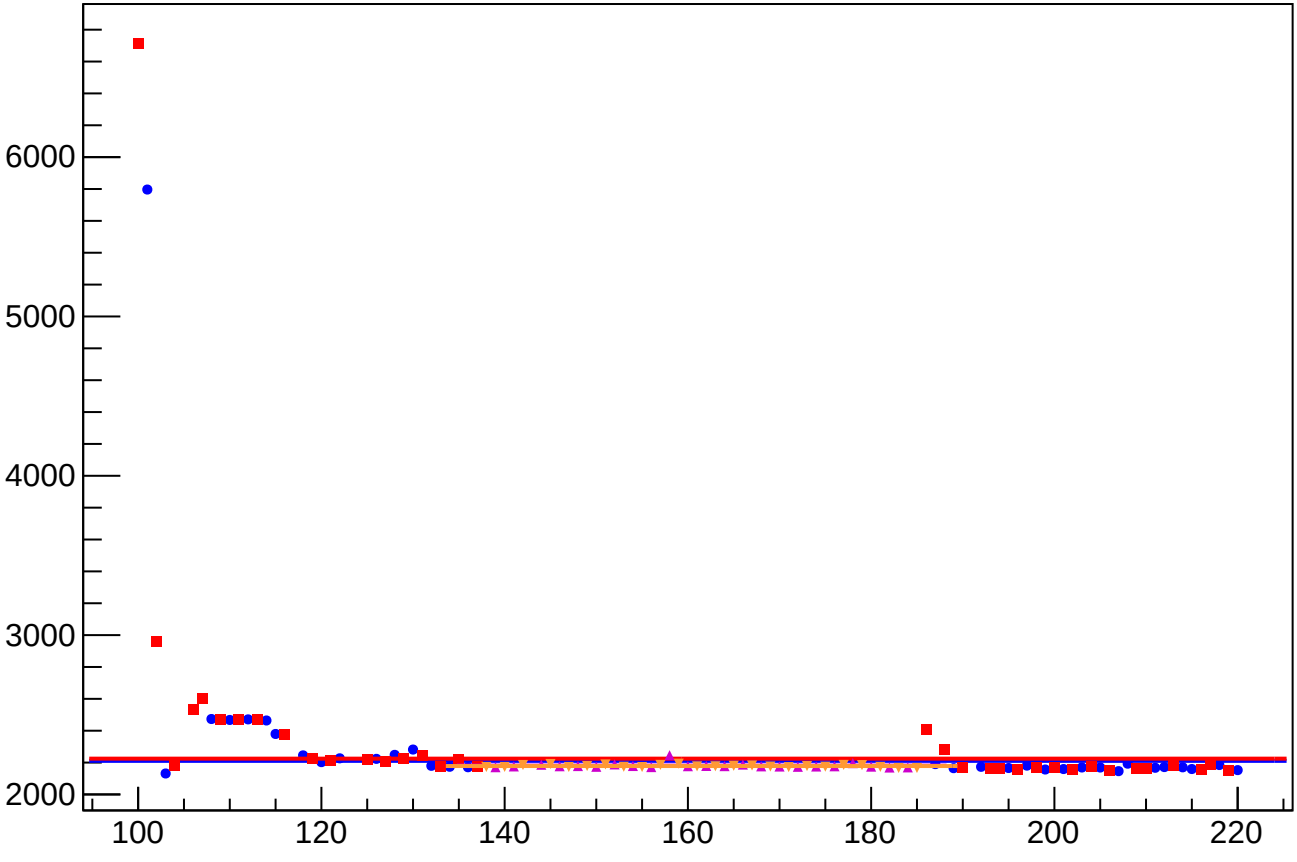
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -592.216+/-349.877 χ^2/NDF: 48.1/56

All: -74.048+/-248.042 χ^2/NDF: 110.7/114

- sign 449.534+/-351.700 χ^2/NDF: 58.2/57

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2210.796+/-0.343 χ^2/NDF: 549870.8/32

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

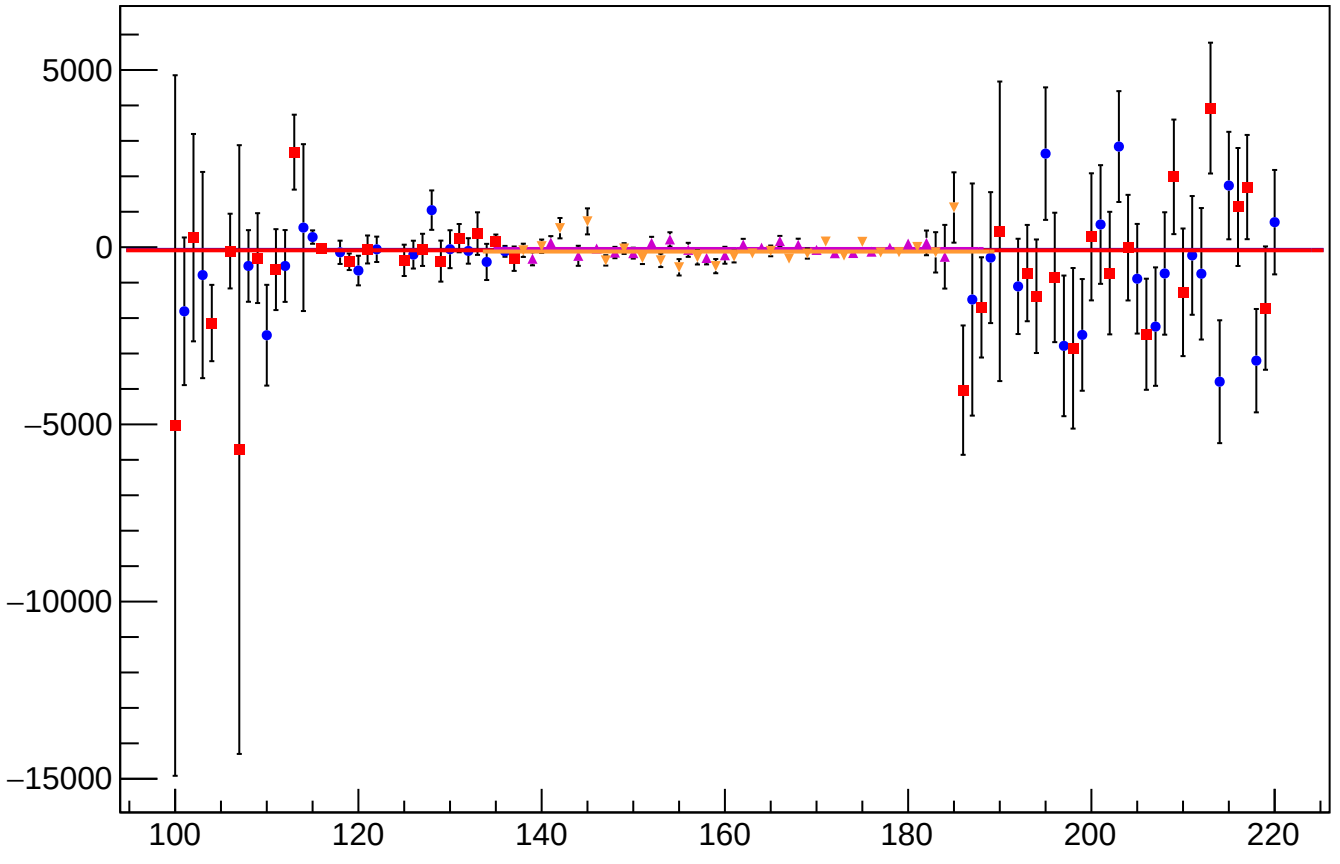
Right Out: 2224.633+/-0.344 χ^2/NDF: 205052.8/34

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2195.204+/-0.247 χ^2/NDF: 554580.2/56

All: 2199.470+/-0.175 χ^2/NDF: 769805.2/114

- sign 2203.780+/-0.249 χ^2/NDF: 214627.3/57



Right In: -75.598+/-88.709 χ^2/NDF: 38.3/32

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

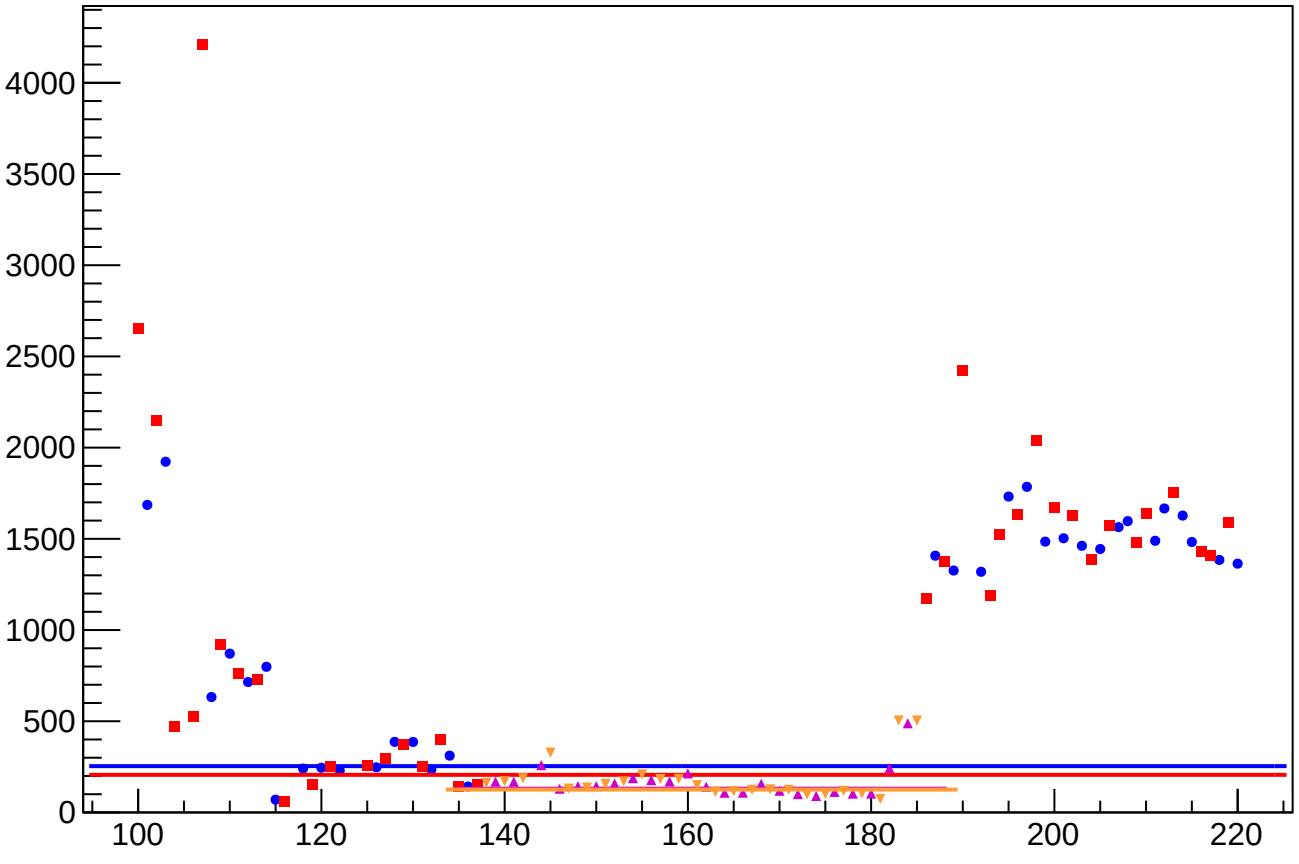
Right Out: -87.619+/-80.718 χ^2/NDF: 38.1/34

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -117.656+/-29.607 χ^2/NDF: 82.4/56

All: -87.151+/-21.137 χ^2/NDF: 141.1/114

- sign -55.441+/-30.186 χ^2/NDF: 56.6/57



Right In: 253.893+/-0.063 χ^2/NDF: 24928664.1/32

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 206.197+/-0.057 χ^2/NDF: 27366476.2/34

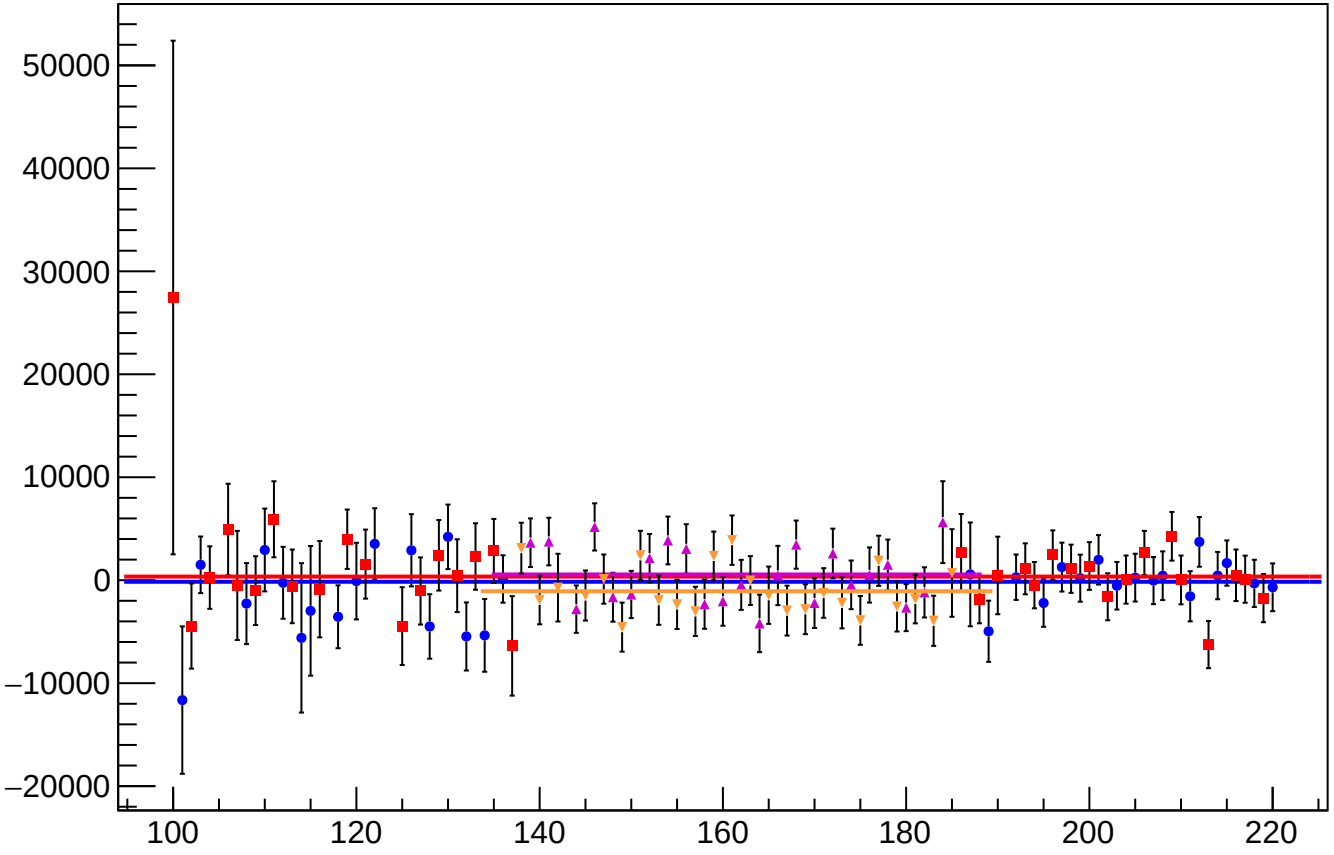
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 139.804+/-0.021 χ^2/NDF: 32595035.7/56

All: 140.412+/-0.015 χ^2/NDF: 64157503.9/11

- sign 141.045+/-0.021 χ^2/NDF: 31560746.9/57

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -150.393+/-484.722 χ^2/NDF: 24.8/32

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 351.432+/-486.337 χ^2/NDF: 29.4/34

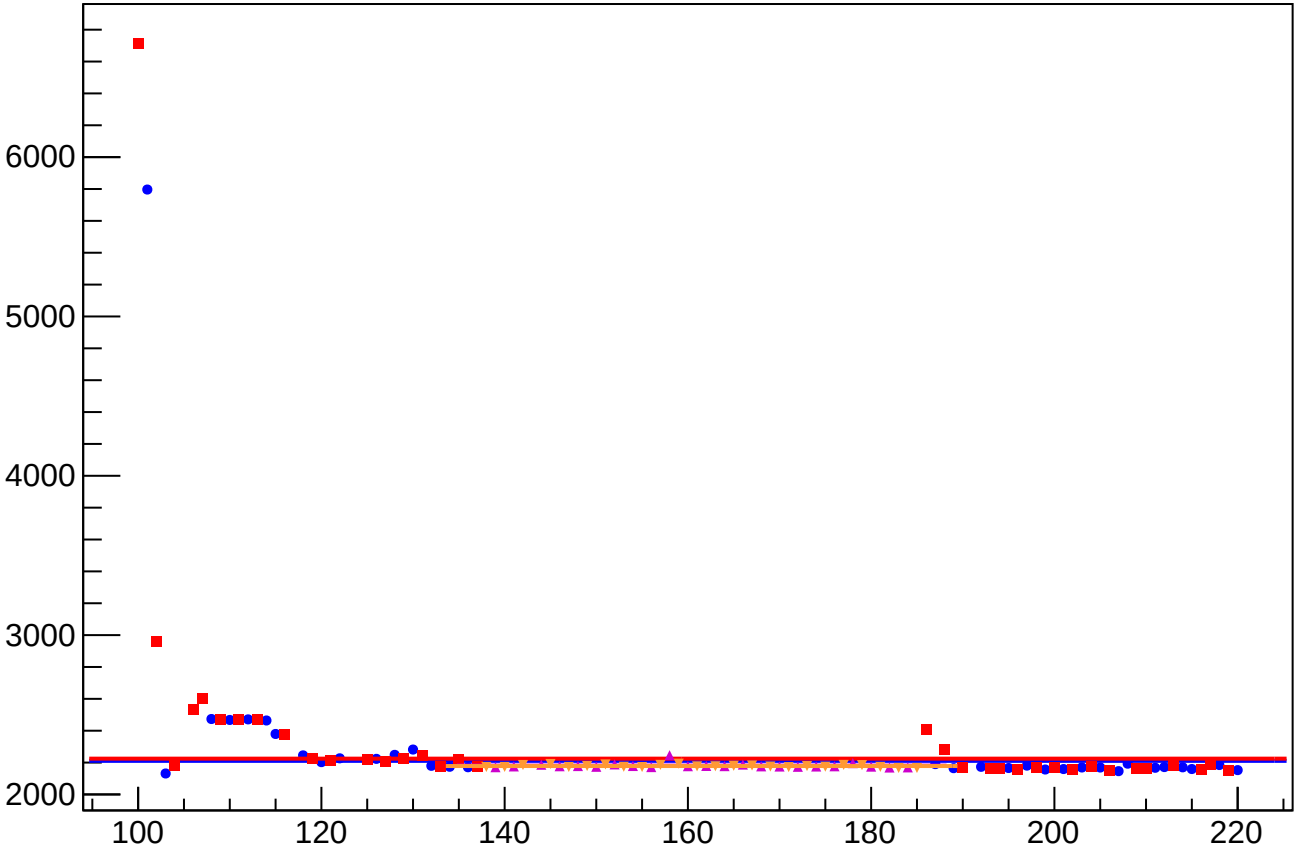
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -592.216+/-349.877 χ^2/NDF: 48.1/56

All: -74.048+/-248.042 χ^2/NDF: 110.7/114

- sign 449.534+/-351.700 χ^2/NDF: 58.2/57

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2210.796+/-0.343 χ^2/NDF: 549870.8/32

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

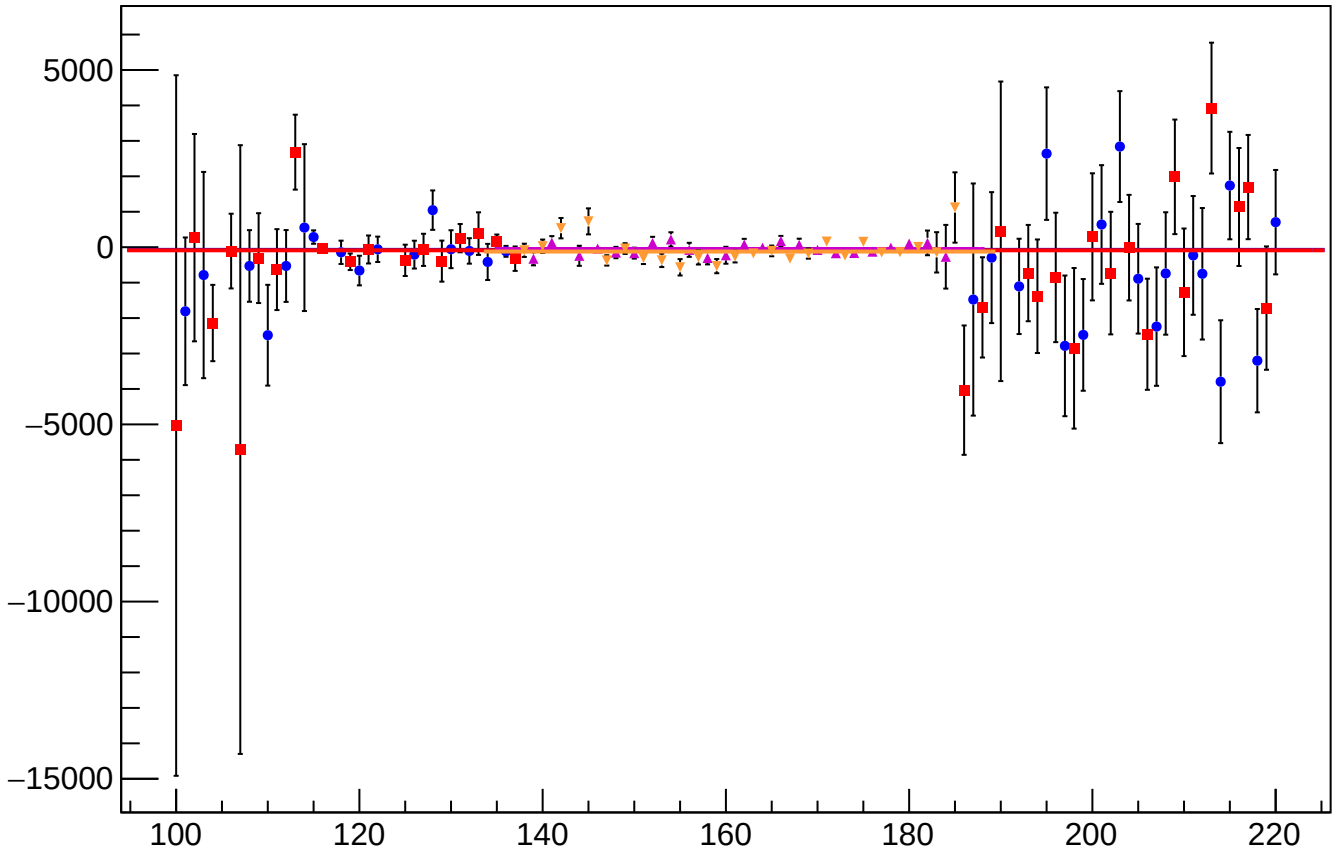
Right Out: 2224.633+/-0.344 χ^2/NDF: 205052.8/34

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2195.204+/-0.247 χ^2/NDF: 554580.2/56

All: 2199.470+/-0.175 χ^2/NDF: 769805.2/114

- sign 2203.780+/-0.249 χ^2/NDF: 214627.3/57



Right In: -75.598+/-88.709 χ^2/NDF: 38.3/32

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

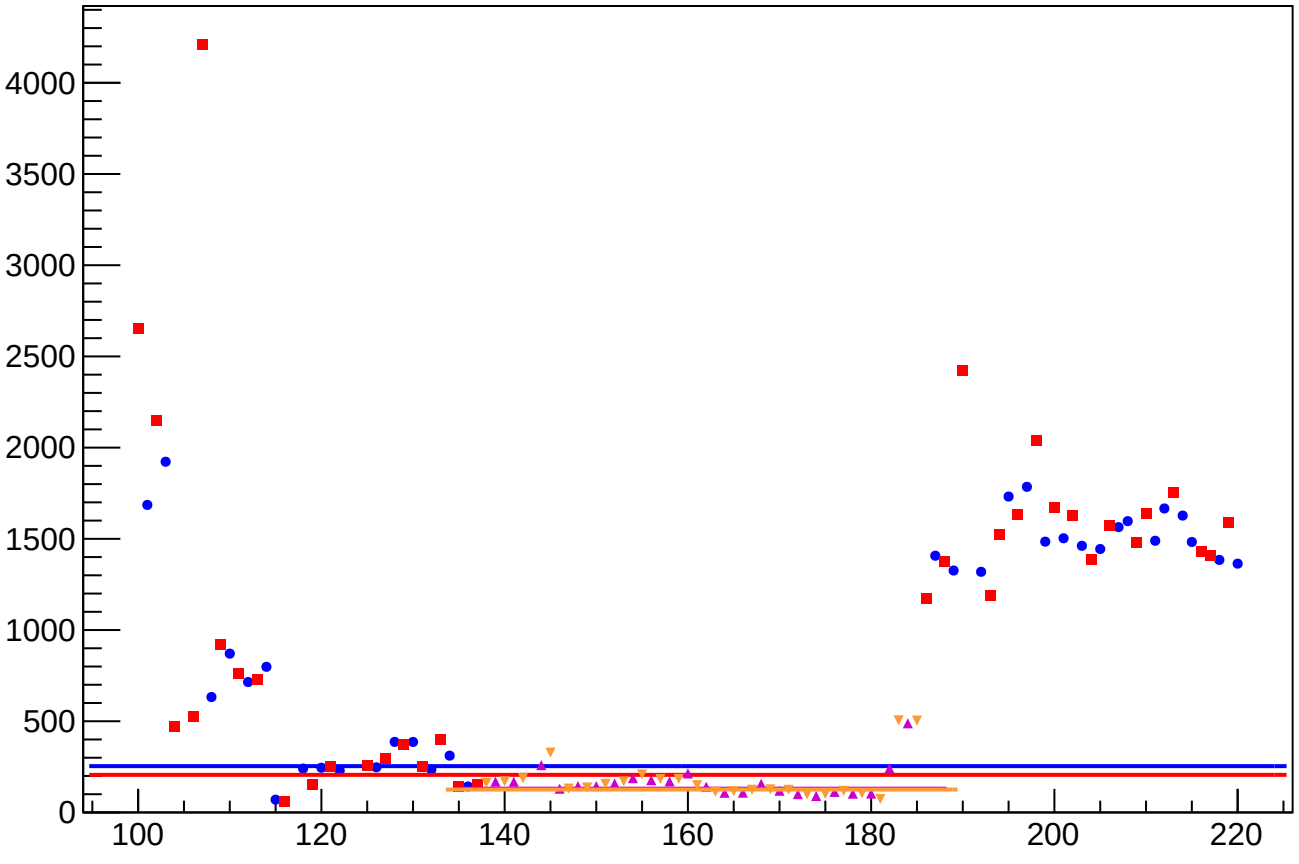
Right Out: -87.619+/-80.718 χ^2/NDF: 38.1/34

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -117.656+/-29.607 χ^2/NDF: 82.4/56

All: -87.151+/-21.137 χ^2/NDF: 141.1/114

- sign -55.441+/-30.186 χ^2/NDF: 56.6/57



Right In: 253.893+/-0.063 χ^2/NDF: 24928664.1/32

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 206.197+/-0.057 χ^2/NDF: 27366476.2/34

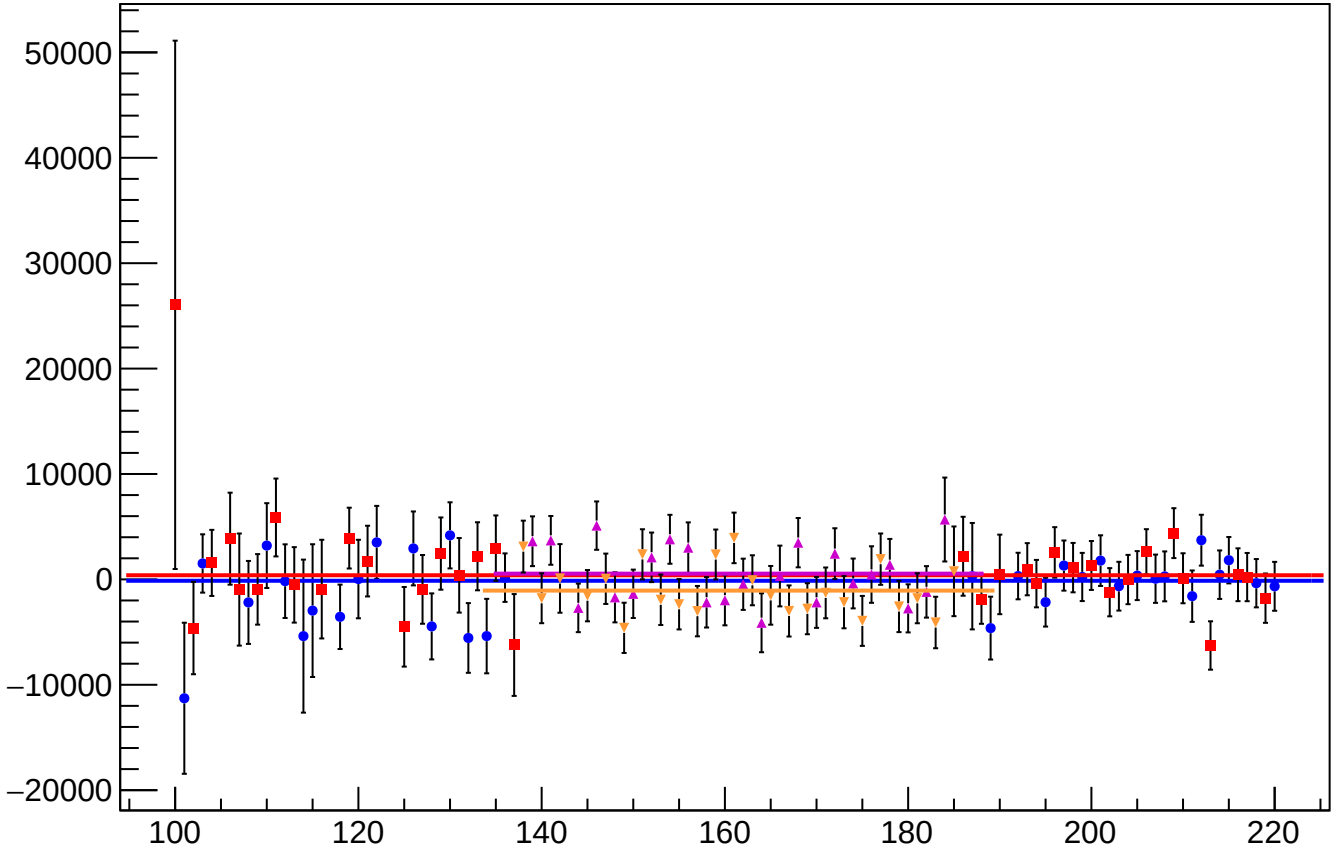
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 139.804+/-0.021 χ^2/NDF: 32595035.7/56

All: 140.412+/-0.015 χ^2/NDF: 64157503.9/11

- sign 141.045+/-0.021 χ^2/NDF: 31560746.9/57

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -130.542+/-485.206 χ^2/NDF: 24.4/32

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 392.423+/-487.480 χ^2/NDF: 28.6/34

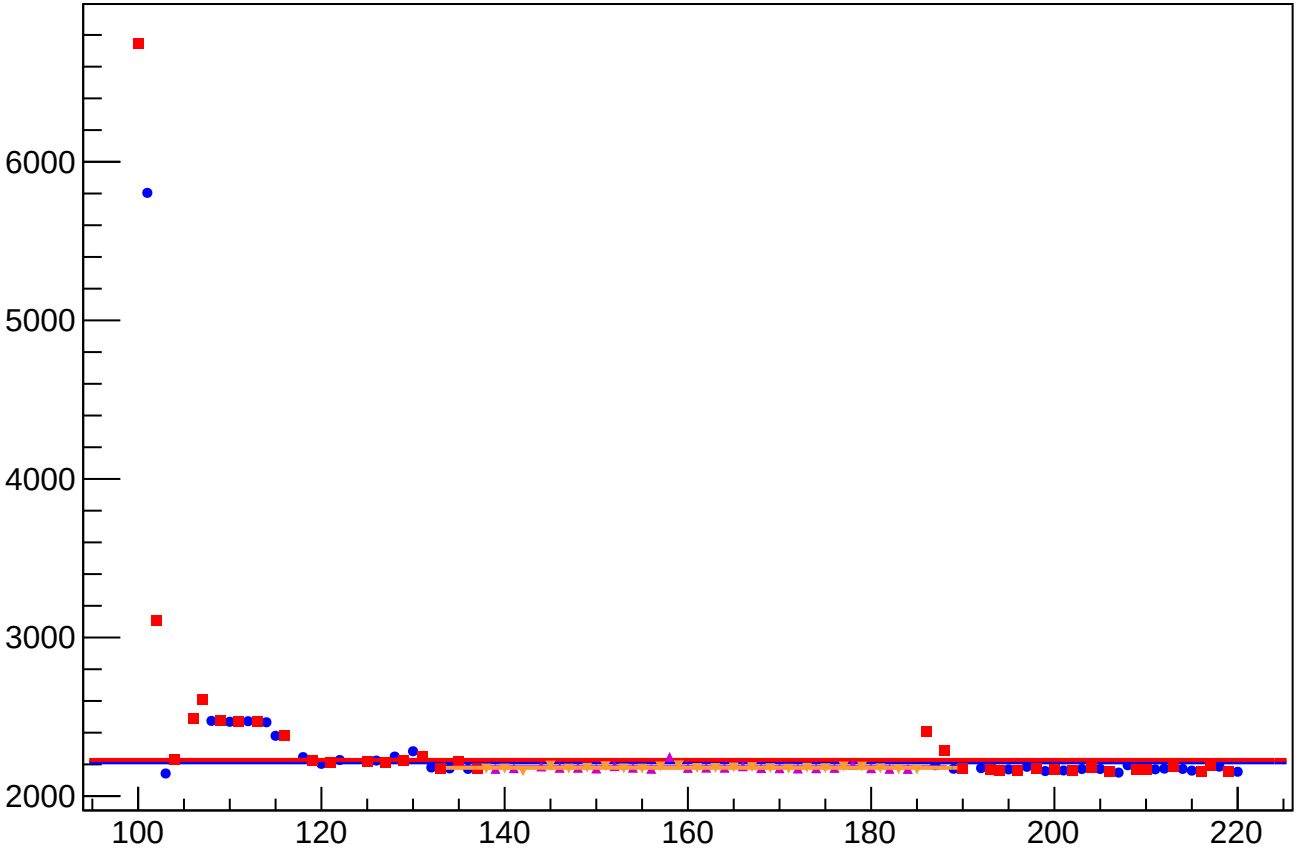
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -577.260+/-350.089 χ^2/NDF: 48.0/56

All: -59.271+/-248.295 χ^2/NDF: 109.0/114

- sign 465.000+/-352.206 χ^2/NDF: 56.6/57

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2212.921+/-0.343 χ^2/NDF: 549399.5/32

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

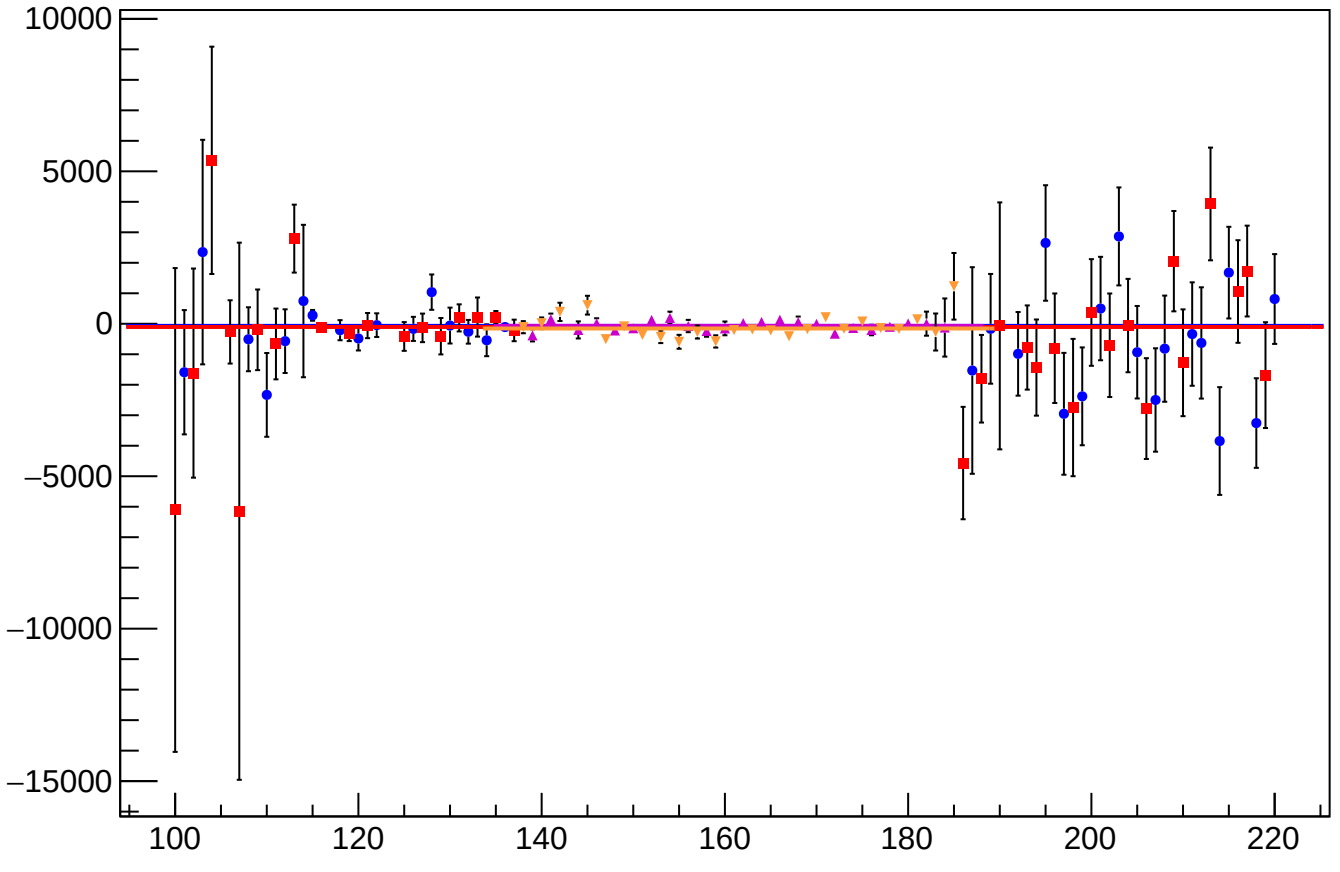
Right Out: 2228.221+/-0.345 χ^2/NDF: 221154.8/34

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2196.421+/-0.248 χ^2/NDF: 554680.0/56

All: 2201.217+/-0.176 χ^2/NDF: 787066.5/114

- sign 2206.072+/-0.249 χ^2/NDF: 231631.2/57



Right In: -69.221+/-90.119 χ^2/NDF: 38.1/32

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

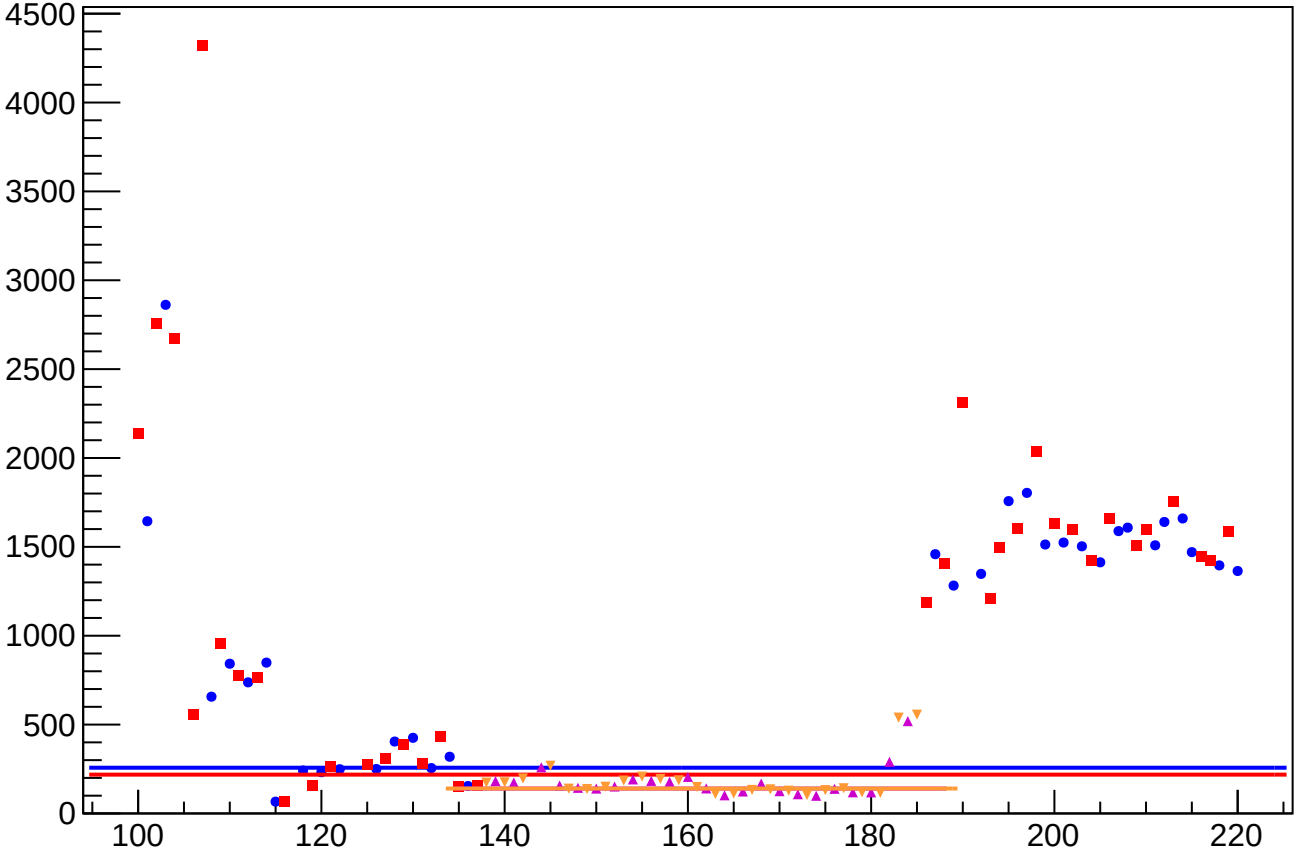
Right Out: -104.649+/-84.276 χ^2/NDF: 37.3/34

Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

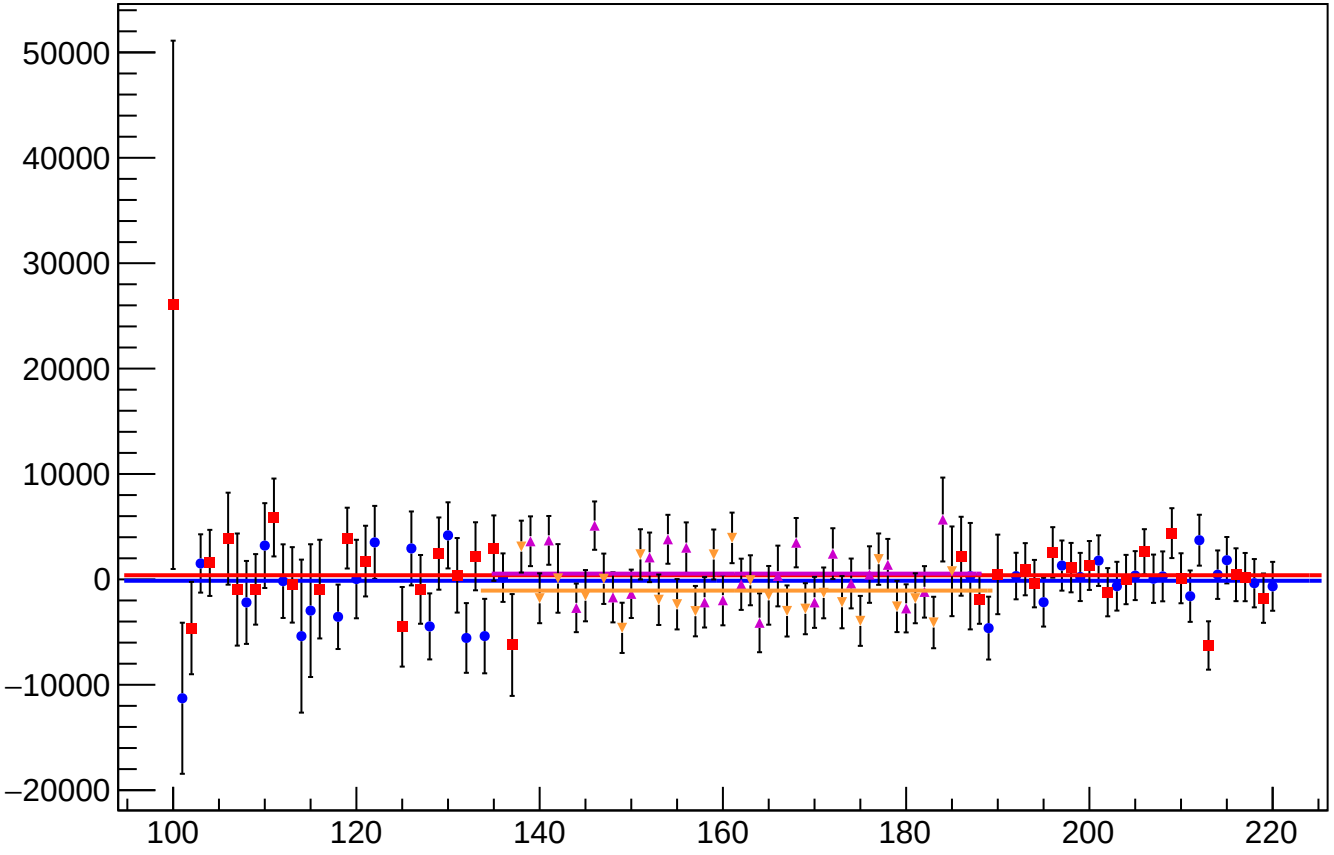
+ sign -144.038+/-31.861 χ^2/NDF: 86.2/56

All: -109.348+/-22.470 χ^2/NDF: 145.0/114

- sign -75.022+/-31.693 χ^2/NDF: 56.4/57


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
220
Right In: 257.319+/-0.064 χ²/NDF: 25467567.3/32
Left Out: 140.319+/-0.024 χ²/NDF:2760284.0/23
Right Out: 218.418+/-0.060 χ²/NDF: 28064555.4/34
Left In: 139.979+/-0.024 χ²/NDF:2412455.4/22
+ sign 154.943+/-0.023 χ²/NDF: 31177609.3/56
All: 152.997+/-0.016 χ²/NDF: 63157002.6/11
- sign 151.072+/-0.022 χ²/NDF: 31964555.0/57

eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -130.544+/-485.206 χ^2/NDF: 24.4/32

Left Out: -1062.373+/-505.627 χ^2/NDF:21.9/23

Right Out: 392.424+/-487.480 χ^2/NDF: 28.6/34

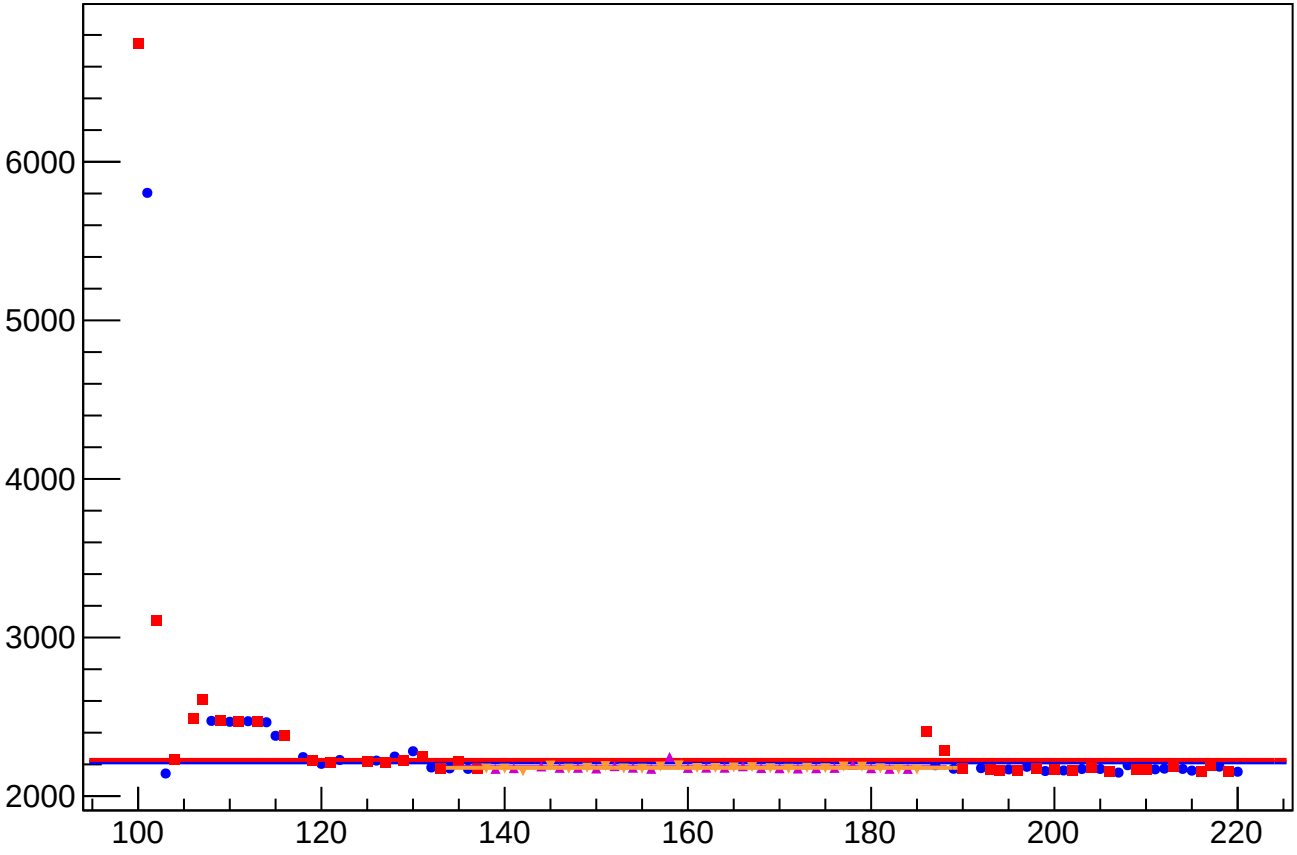
Left In: 544.259+/-509.433 χ^2/NDF:27.9/22

+ sign -577.262+/-350.089 χ^2/NDF: 48.0/56

All: -59.272+/-248.295 χ^2/NDF: 109.0/114

- sign 465.000+/-352.206 χ^2/NDF: 56.6/57

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2212.921+/-0.343 χ^2/NDF: 549399.5/32

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

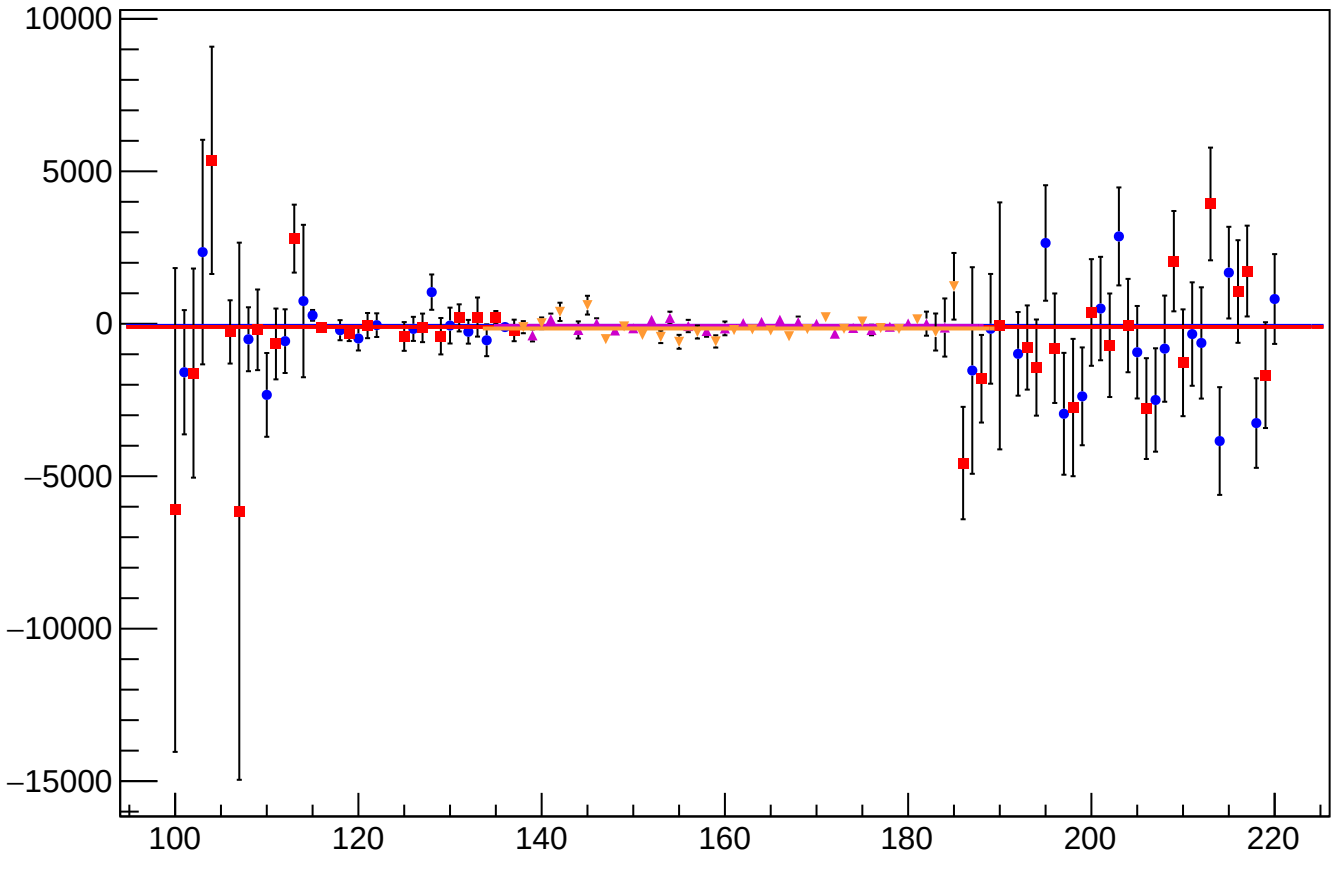
Right Out: 2228.221+/-0.345 χ^2/NDF: 221154.7/34

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2196.421+/-0.248 χ^2/NDF: 554680.0/56

All: 2201.217+/-0.176 χ^2/NDF: 787066.4/114

- sign 2206.072+/-0.249 χ^2/NDF: 231631.1/57



Right In: -69.217+/-90.118 χ^2/NDF: 38.1/32

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

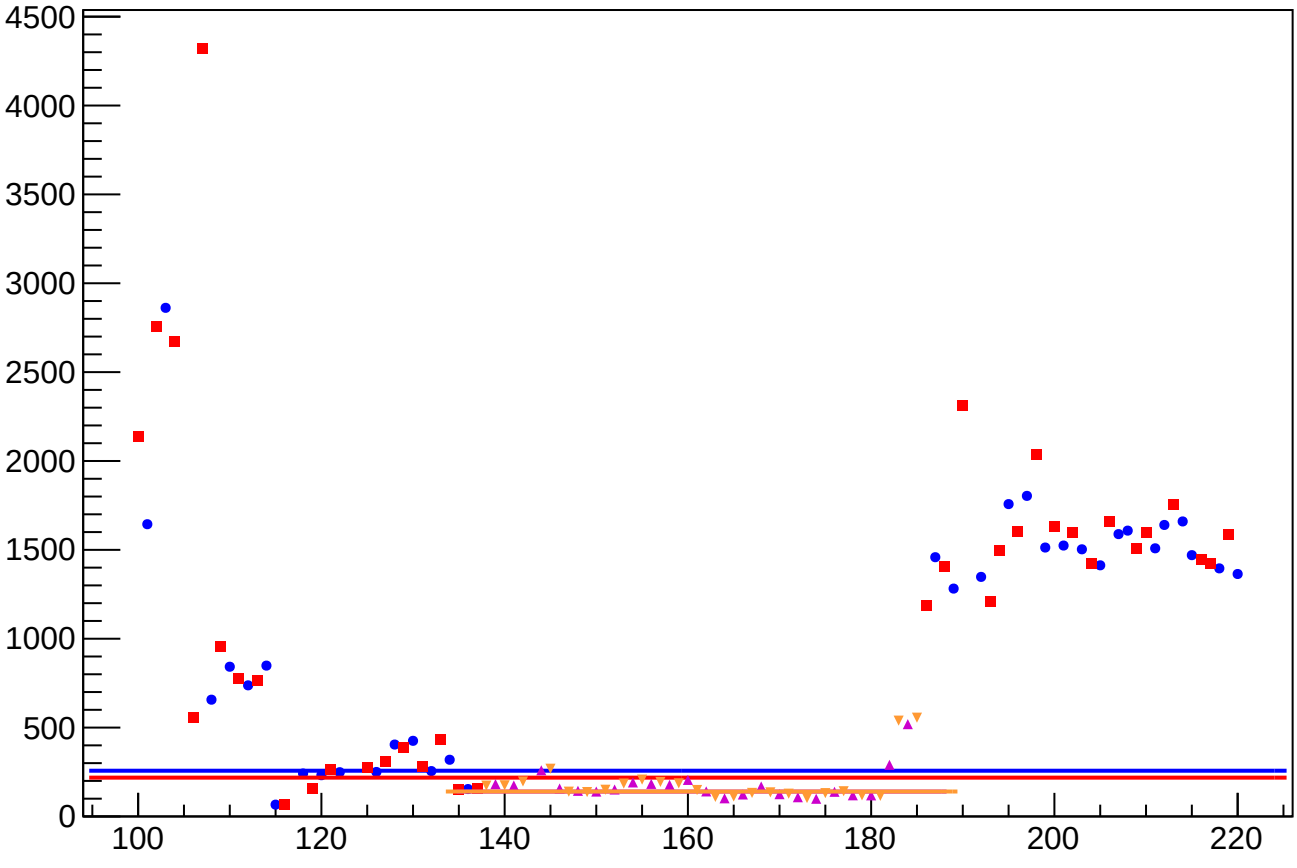
Right Out: -104.650+/-84.275 χ^2/NDF: 37.3/34

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

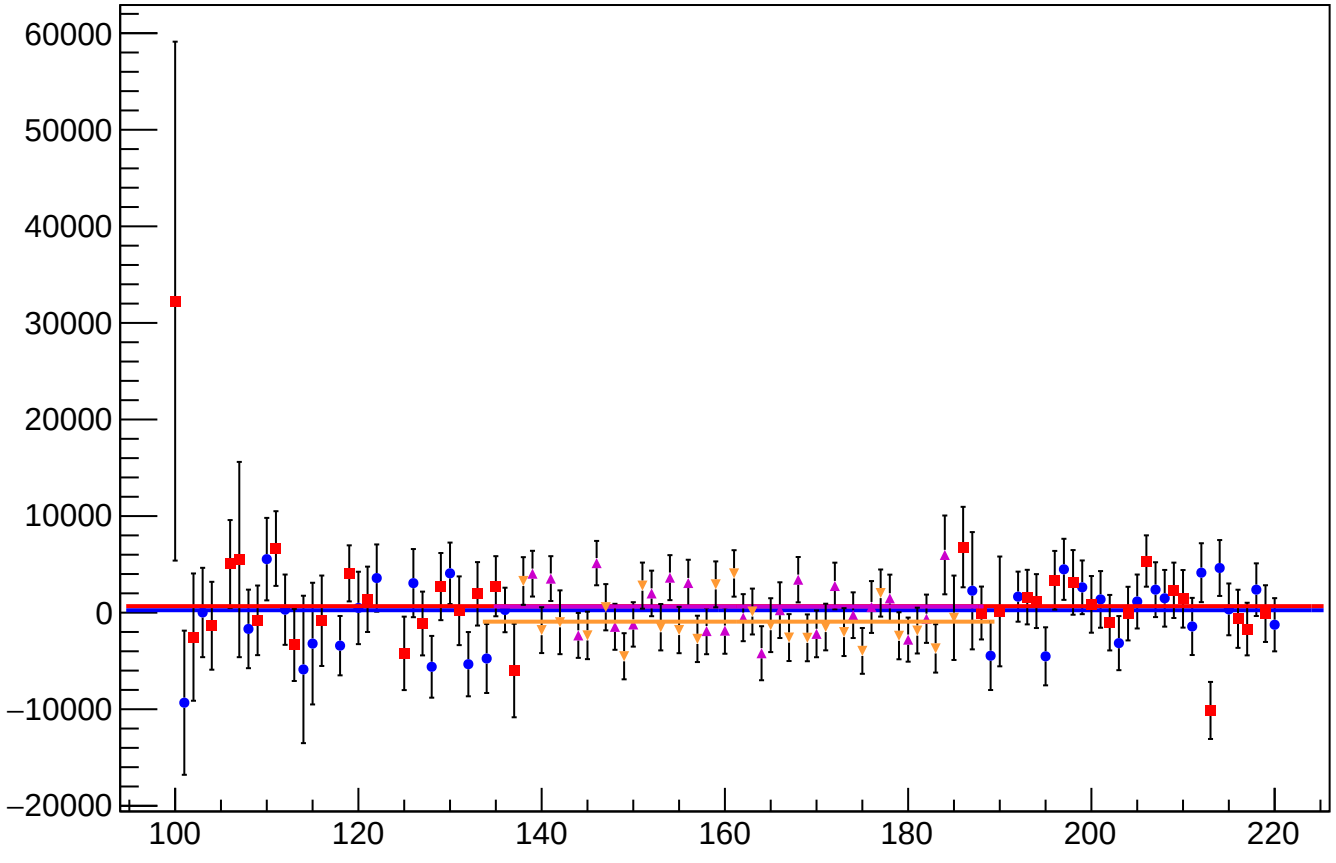
+ sign -144.038+/-31.861 χ^2/NDF: 86.2/56

All: -109.348+/-22.470 χ^2/NDF: 145.0/114

- sign -75.021+/-31.694 χ^2/NDF: 56.4/57


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
220
Right In: 257.316+/-0.064 χ²/NDF: 25467706.8/32
Left Out: 140.319+/-0.024 χ²/NDF:2760280.2/23
Right Out: 218.415+/-0.060 χ²/NDF: 28064708.6/34
Left In: 139.979+/-0.024 χ²/NDF:2412509.5/22
+ sign 154.943+/-0.023 χ²/NDF: 31177597.1/56
All: 152.997+/-0.016 χ²/NDF: 63157091.7/11
- sign 151.072+/-0.022 χ²/NDF: 31964654.0/57

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: 252.293+/-563.848 χ^2/NDF: 31.7/32

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 674.621+/-572.510 χ^2/NDF: 35.0/34

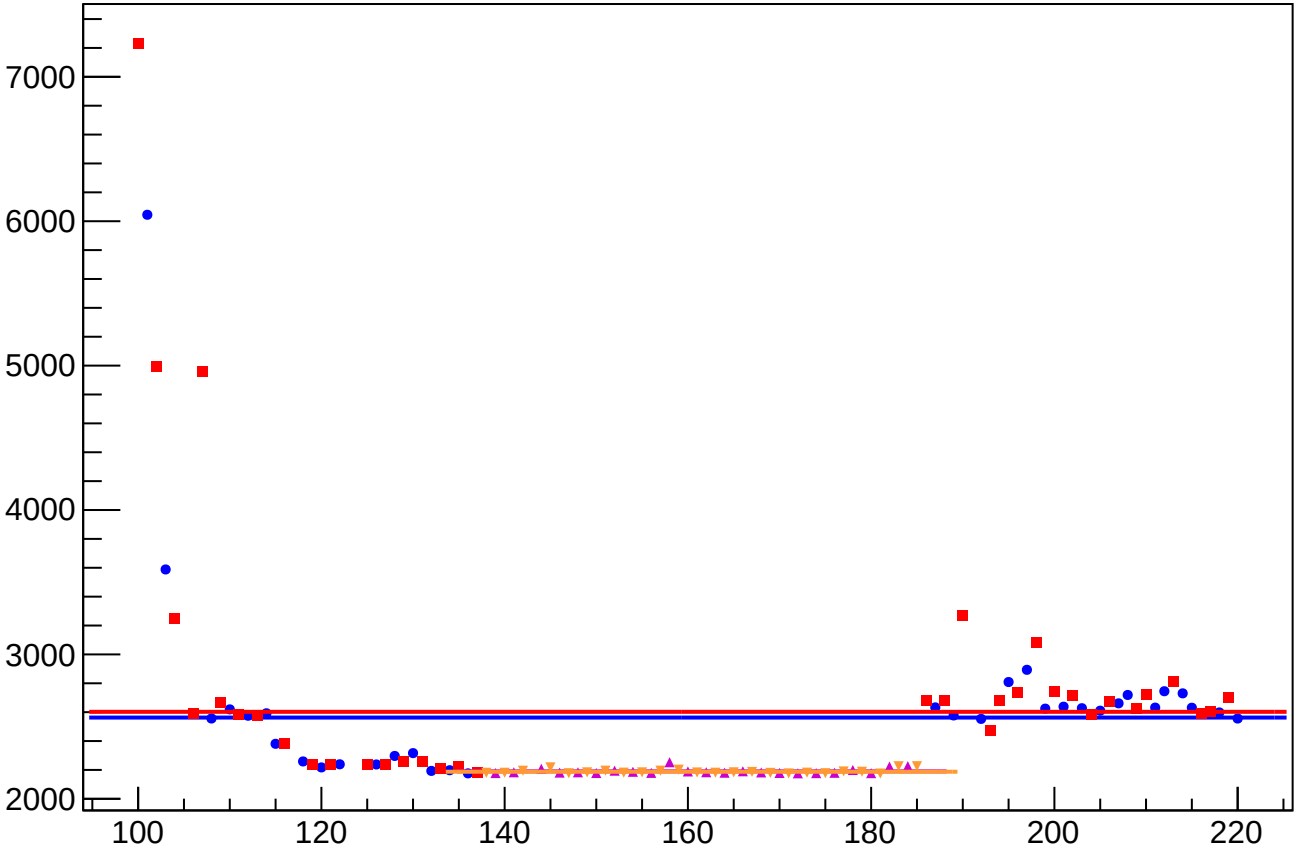
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

\+ sign -401.721+/-377.299 χ^2/NDF: 56.6/56

All: 121.891+/-268.223 χ^2/NDF: 122.4/114

\- sign 656.906+/-381.385 χ^2/NDF: 62.0/57

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2562.613+/-0.399 χ^2/NDF: 798275.6/32

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

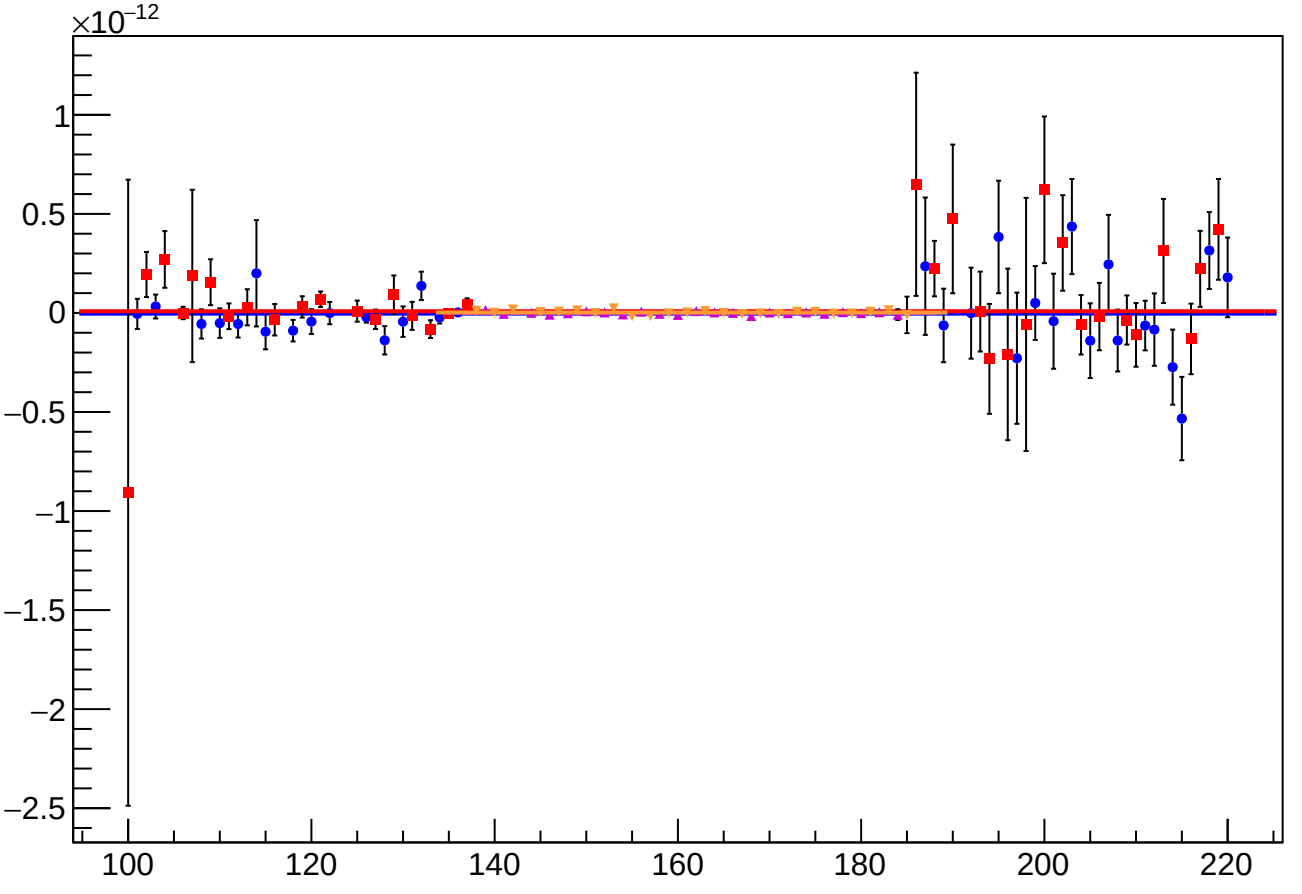
Right Out: 2602.383+/-0.405 χ^2/NDF: 792013.4/34

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2355.527+/-0.267 χ^2/NDF: 1288133.4/56

All: 2364.216+/-0.190 χ^2/NDF: 2661566.4/11

- sign 2373.095+/-0.270 χ^2/NDF: 1371288.2/57



Right In: -0.000+/-0.000 χ^2/NDF: 36.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

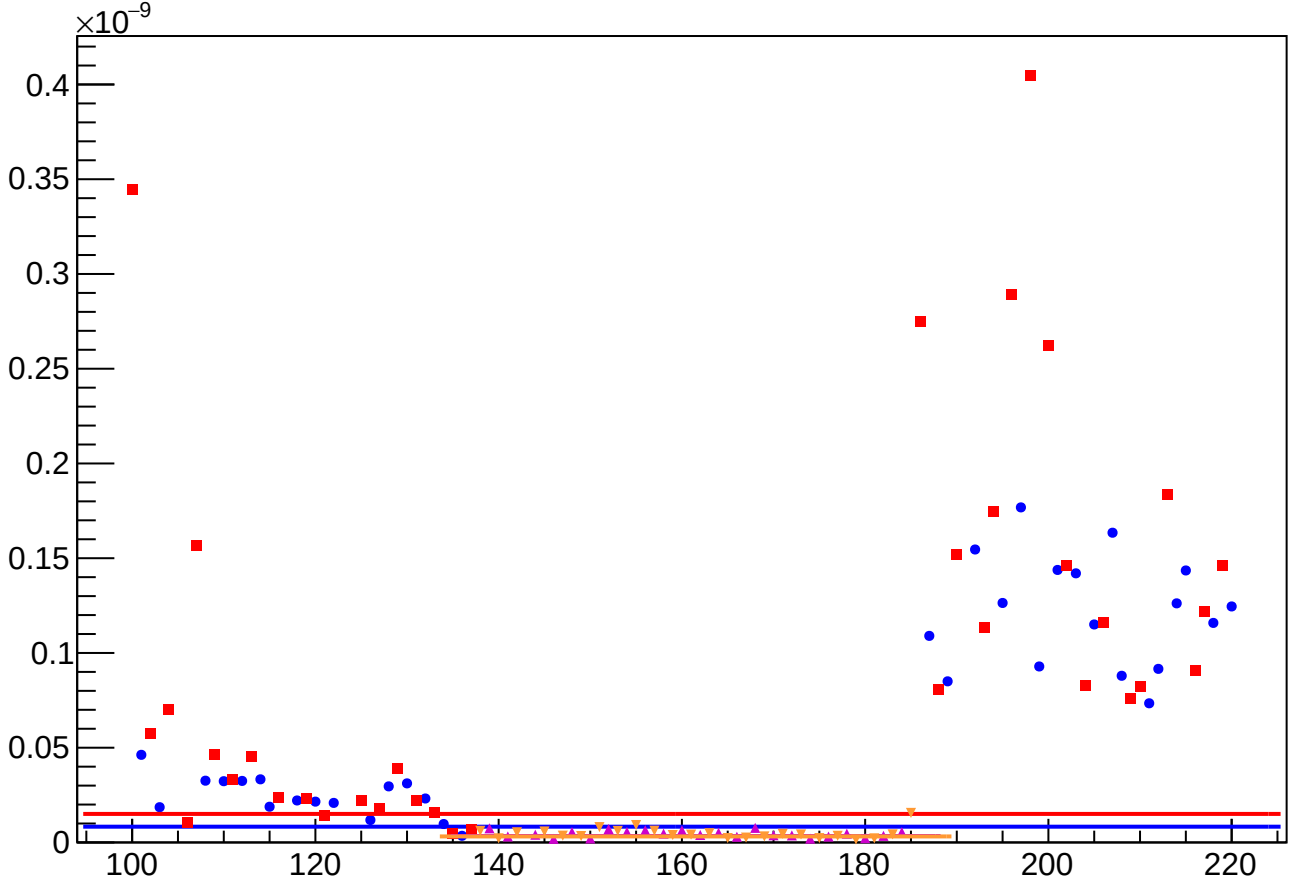
Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/34

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.7/56

All: 0.000+/-0.000 χ^2/NDF: 107.7/114

- sign 0.000+/-0.000 χ^2/NDF: 50.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 12630739.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

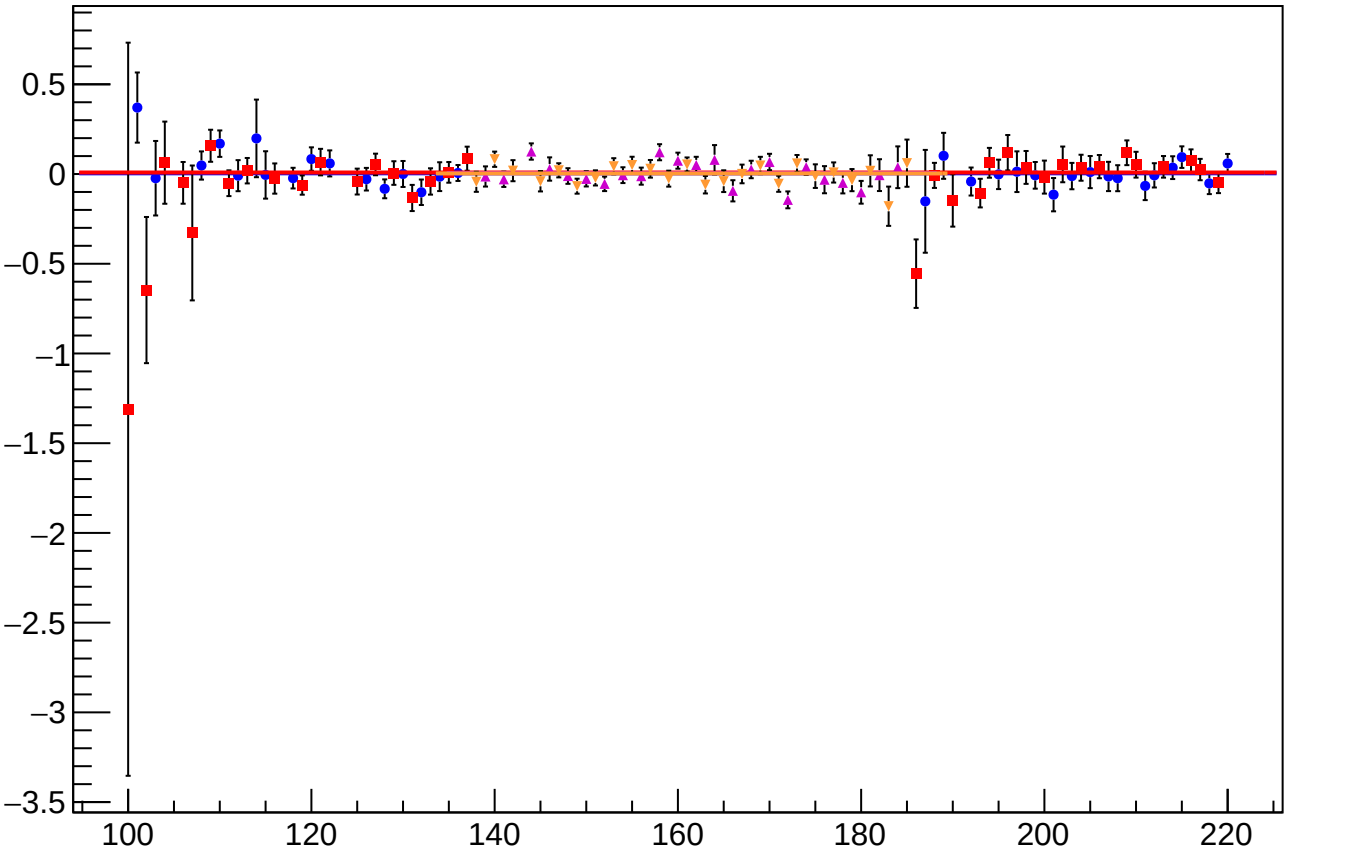
Right Out: 0.000+/-0.000 χ^2/NDF: 12561844.3/34

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15978971.8/56

All: 0.000+/-0.000 χ^2/NDF: 33155219.6/114

- sign 0.000+/-0.000 χ^2/NDF: 17146929.5/57



Right In: 0.004+/-0.013 χ^2/NDF: 25.6/32

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

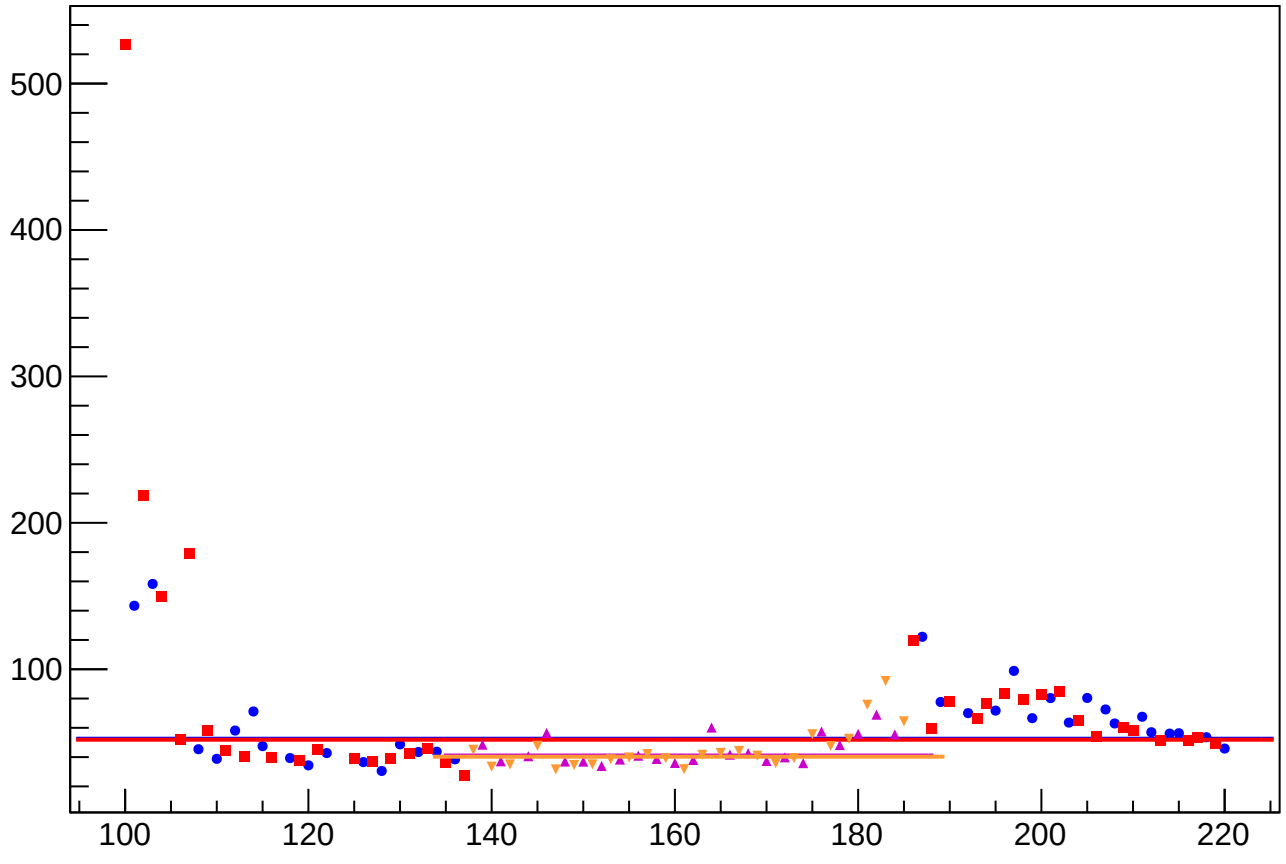
Right Out: 0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.008 χ^2/NDF: 47.5/56

All: 0.005+/-0.006 χ^2/NDF: 125.4/114

- sign 0.007+/-0.008 χ^2/NDF: 77.9/57



Right In: 52.550+/-0.009 χ^2/NDF: 3617557.2/32

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

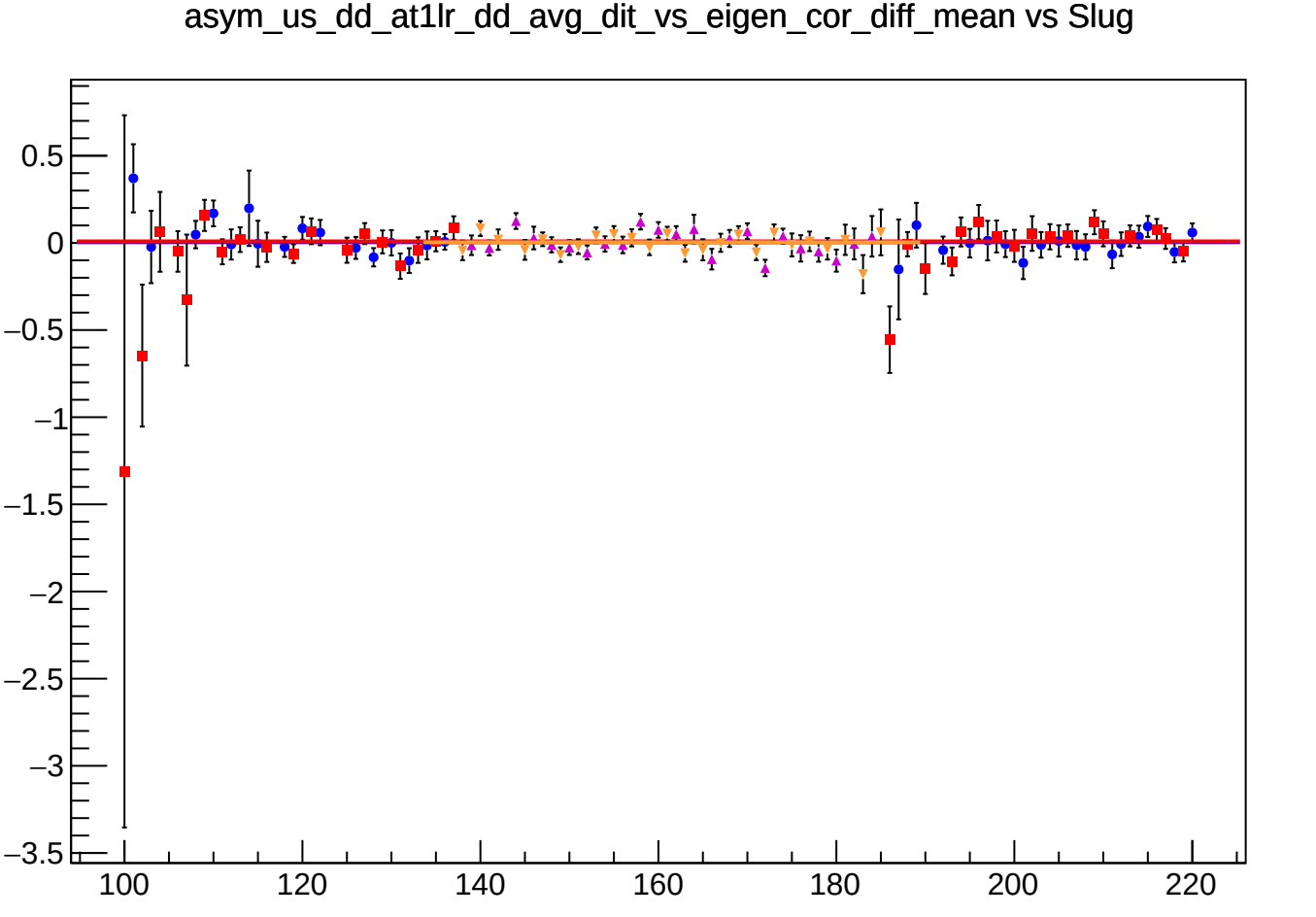
Right Out: 51.870+/-0.009 χ^2/NDF: 3577978.5/34

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 45.066+/-0.006 χ^2/NDF: 6199776.6/56

All: 45.202+/-0.004 χ^2/NDF: 11529854.4/114

- sign 45.343+/-0.006 χ^2/NDF: 5328920.7/57



Right In: 0.004+/-0.013 χ^2/NDF: 25.6/32

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: 0.009+/-0.013 χ^2/NDF: 36.4/34

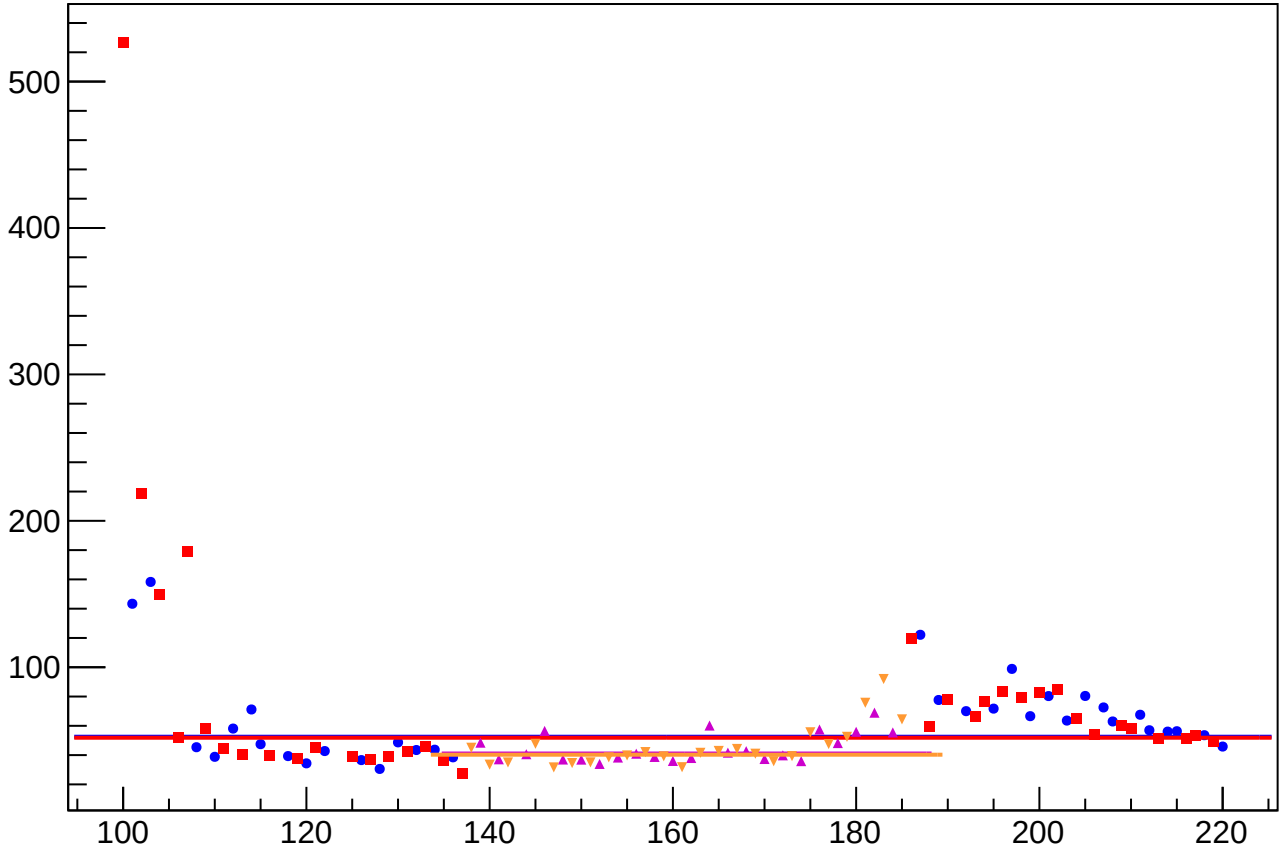
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.008 χ^2/NDF: 47.5/56

All: 0.005+/-0.006 χ^2/NDF: 125.4/114

- sign 0.007+/-0.008 χ^2/NDF: 77.9/57

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.550+/-0.009 χ^2/NDF: 3617557.2/32

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

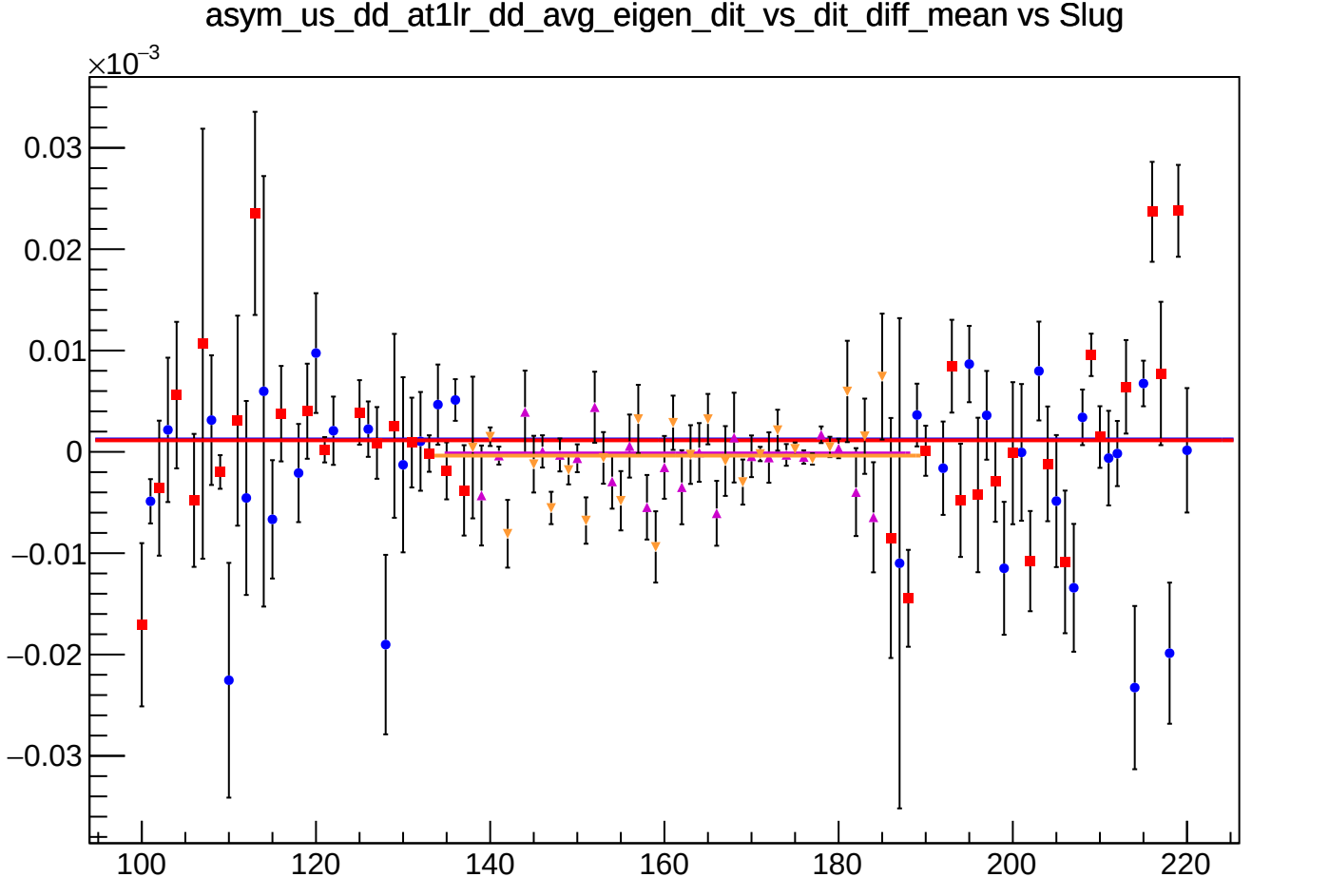
Right Out: 51.870+/-0.009 χ^2/NDF: 3577978.5/34

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 45.066+/-0.006 χ^2/NDF: 6199776.6/56

All: 45.202+/-0.004 χ^2/NDF: 11529854.4/114

- sign 45.343+/-0.006 χ^2/NDF: 5328920.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 69.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

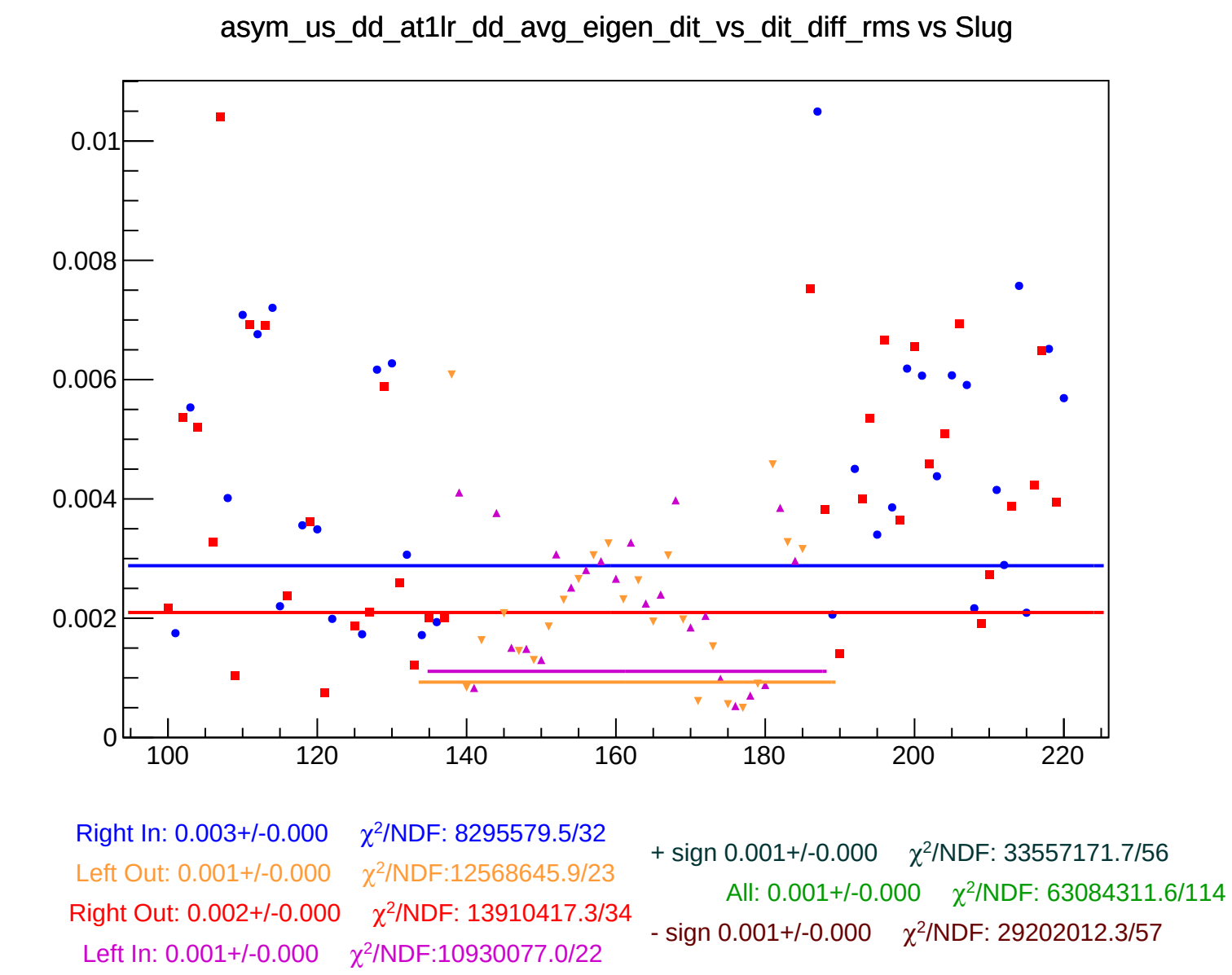
Right Out: 0.000+/-0.000 χ^2/NDF: 110.4/34

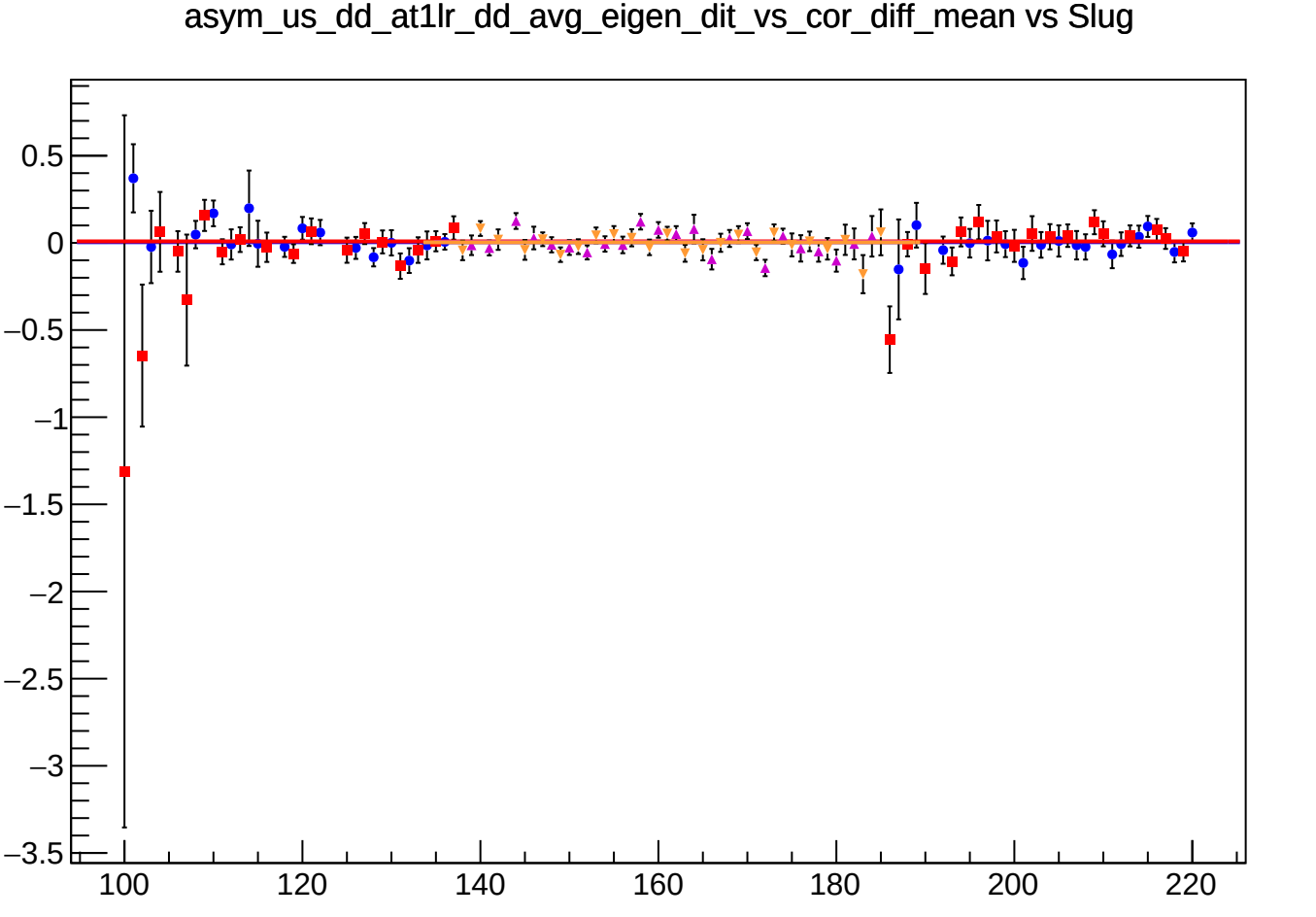
Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 125.0/56

All: -0.000+/-0.000 χ^2/NDF: 259.7/114

- sign 0.000+/-0.000 χ^2/NDF: 134.0/57


asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
220
Right In: 0.003+/-0.000 χ²/NDF: 8295579.5/32
Left Out: 0.001+/-0.000 χ²/NDF:12568645.9/23
Right Out: 0.002+/-0.000 χ²/NDF: 13910417.3/34
Left In: 0.001+/-0.000 χ²/NDF:10930077.0/22
+ sign 0.001+/-0.000 χ²/NDF: 33557171.7/56
All: 0.001+/-0.000 χ²/NDF: 63084311.6/114
- sign 0.001+/-0.000 χ²/NDF: 29202012.3/57



Right In: 0.004+/-0.013 χ^2/NDF: 25.6/32

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

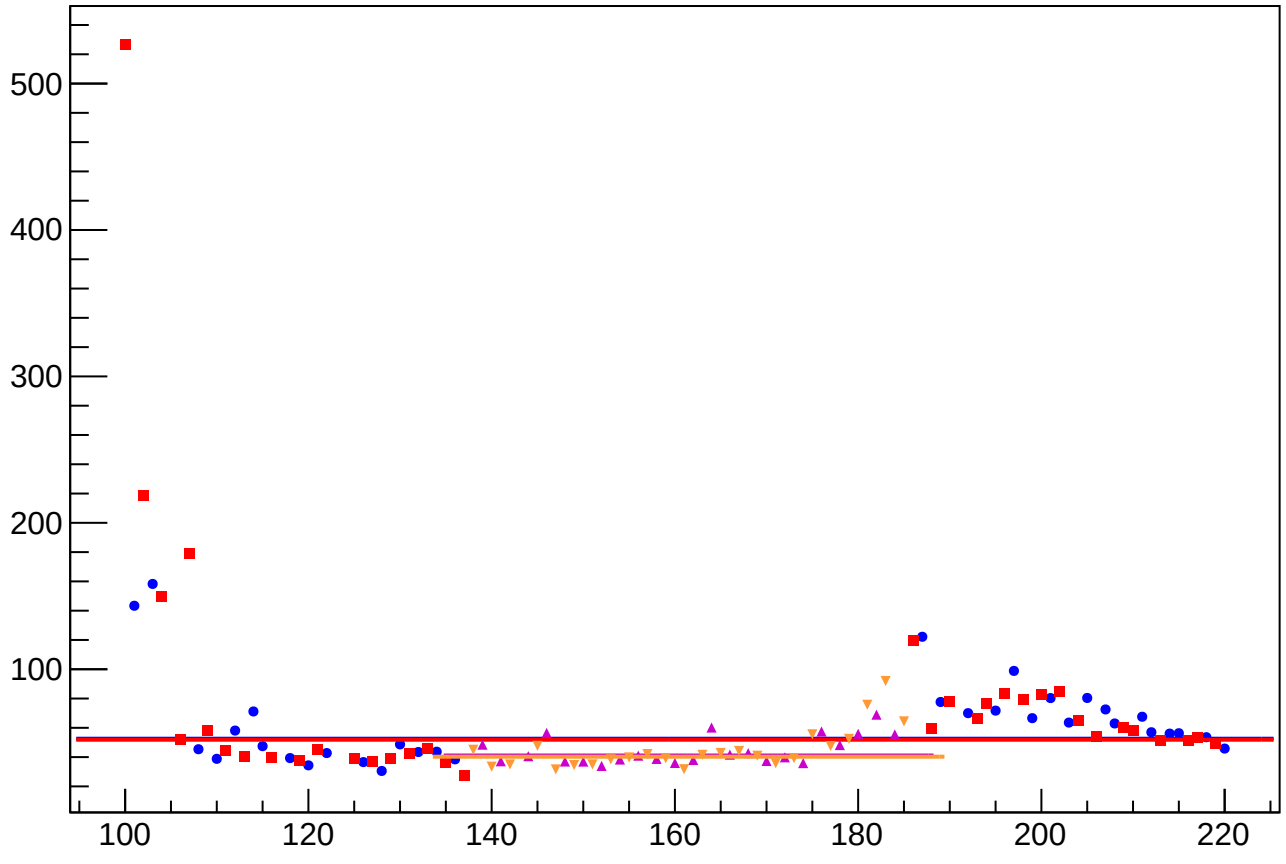
Right Out: 0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.008 χ^2/NDF: 47.5/56

All: 0.005+/-0.006 χ^2/NDF: 125.4/114

- sign 0.007+/-0.008 χ^2/NDF: 77.9/57



Right In: 52.548+/-0.009 χ^2/NDF: 3618202.1/32

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

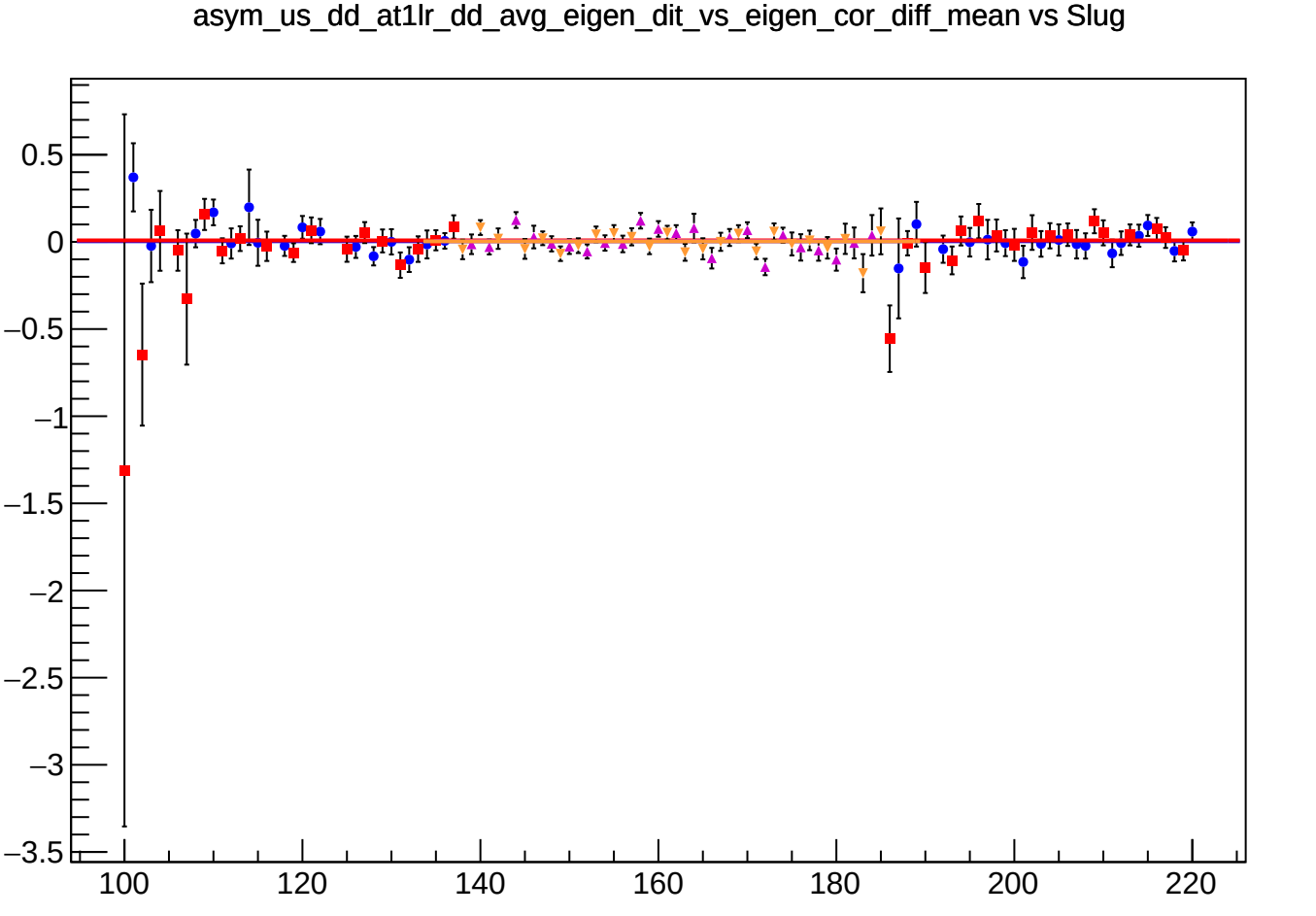
Right Out: 51.871+/-0.009 χ^2/NDF: 3577942.8/34

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 45.065+/-0.006 χ^2/NDF: 6200108.5/56

All: 45.202+/-0.004 χ^2/NDF: 11530265.5/114

- sign 45.343+/-0.006 χ^2/NDF: 5328994.4/57



Right In: 0.004+/-0.013 χ^2/NDF: 25.6/32

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

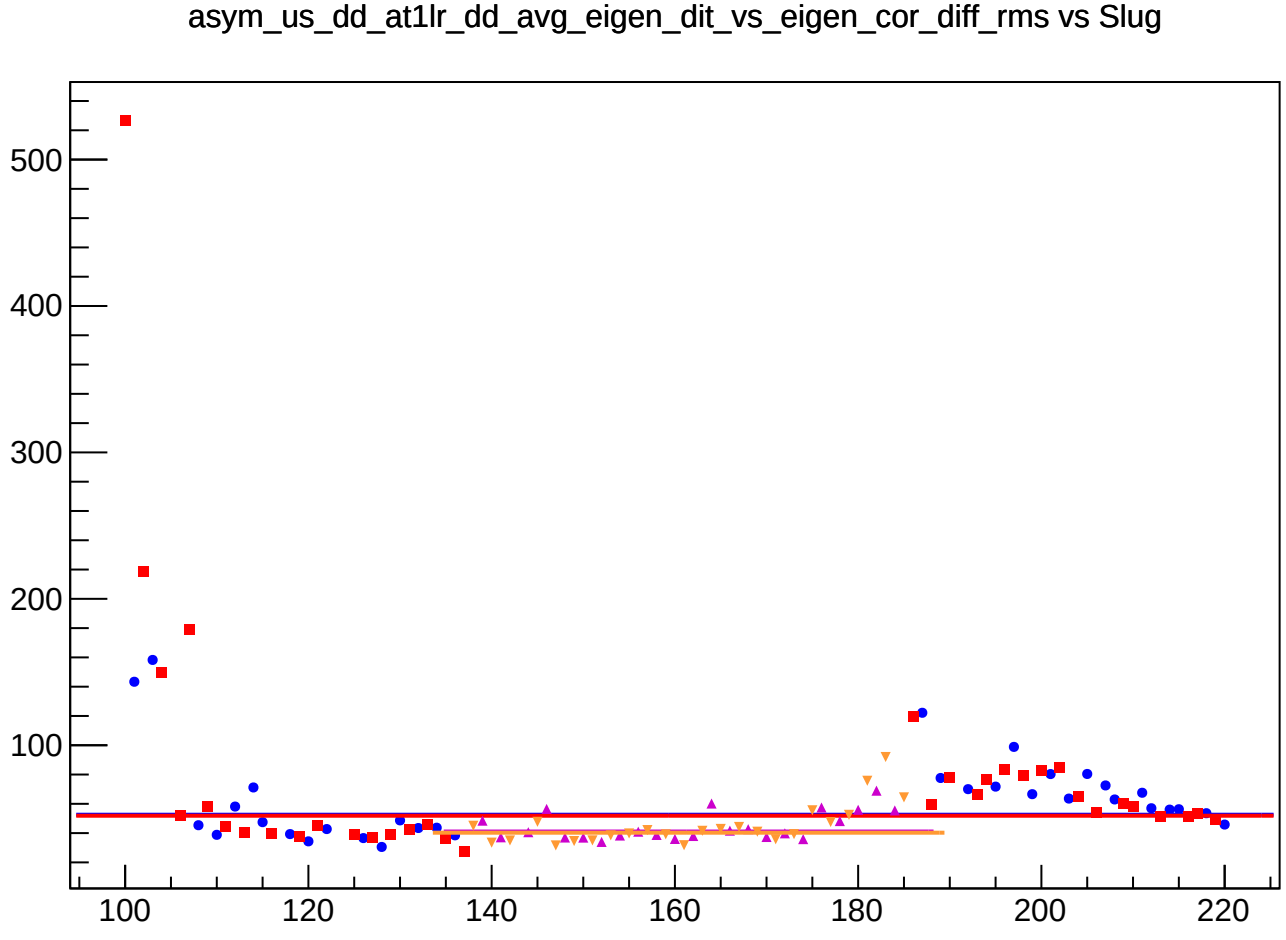
Right Out: 0.009+/-0.013 χ^2/NDF: 36.4/34

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.004+/-0.008 χ^2/NDF: 47.5/56

All: 0.005+/-0.006 χ^2/NDF: 125.4/114

- sign 0.007+/-0.008 χ^2/NDF: 77.9/57



Right In: 52.548+/-0.009 χ^2/NDF: 3618202.1/32

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

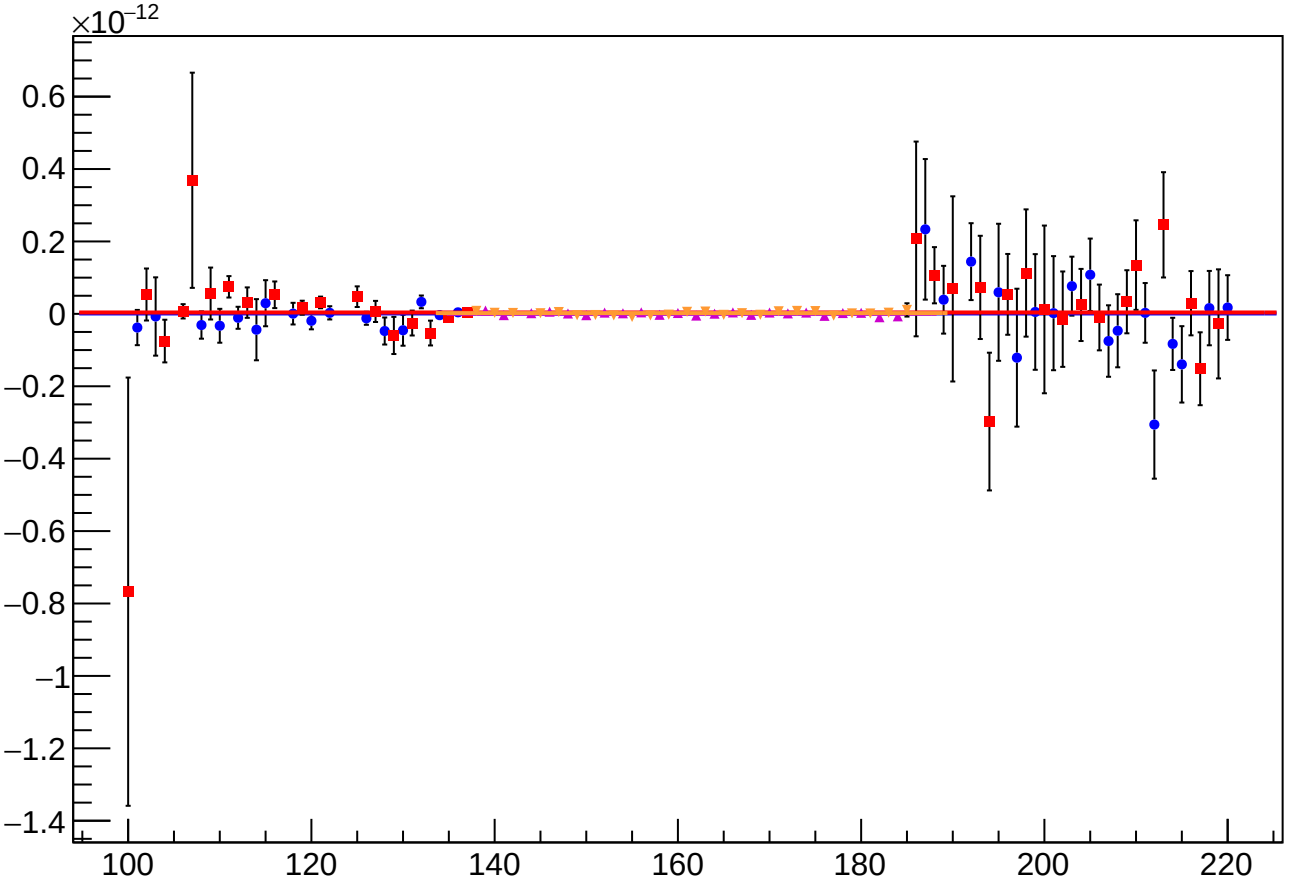
Right Out: 51.871+/-0.009 χ^2/NDF: 3577942.8/34

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 45.065+/-0.006 χ^2/NDF: 6200108.5/56

All: 45.202+/-0.004 χ^2/NDF: 11530265.5/114

- sign 45.343+/-0.006 χ^2/NDF: 5328994.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 24.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

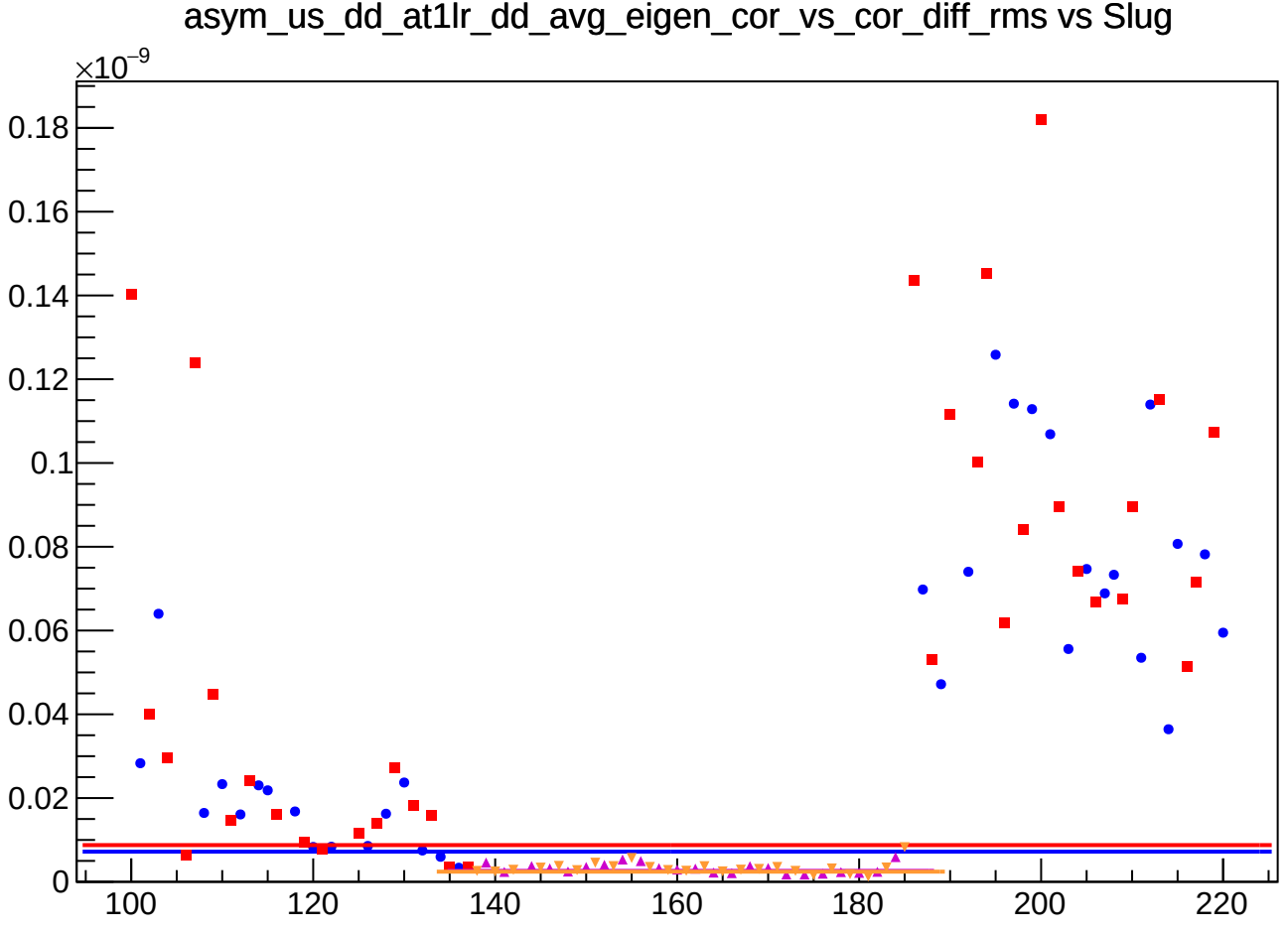
Right Out: 0.000+/-0.000 χ^2/NDF: 41.2/34

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/56

All: 0.000+/-0.000 χ^2/NDF: 116.6/114

- sign 0.000+/-0.000 χ^2/NDF: 64.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 15848199.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 16726885.3/34

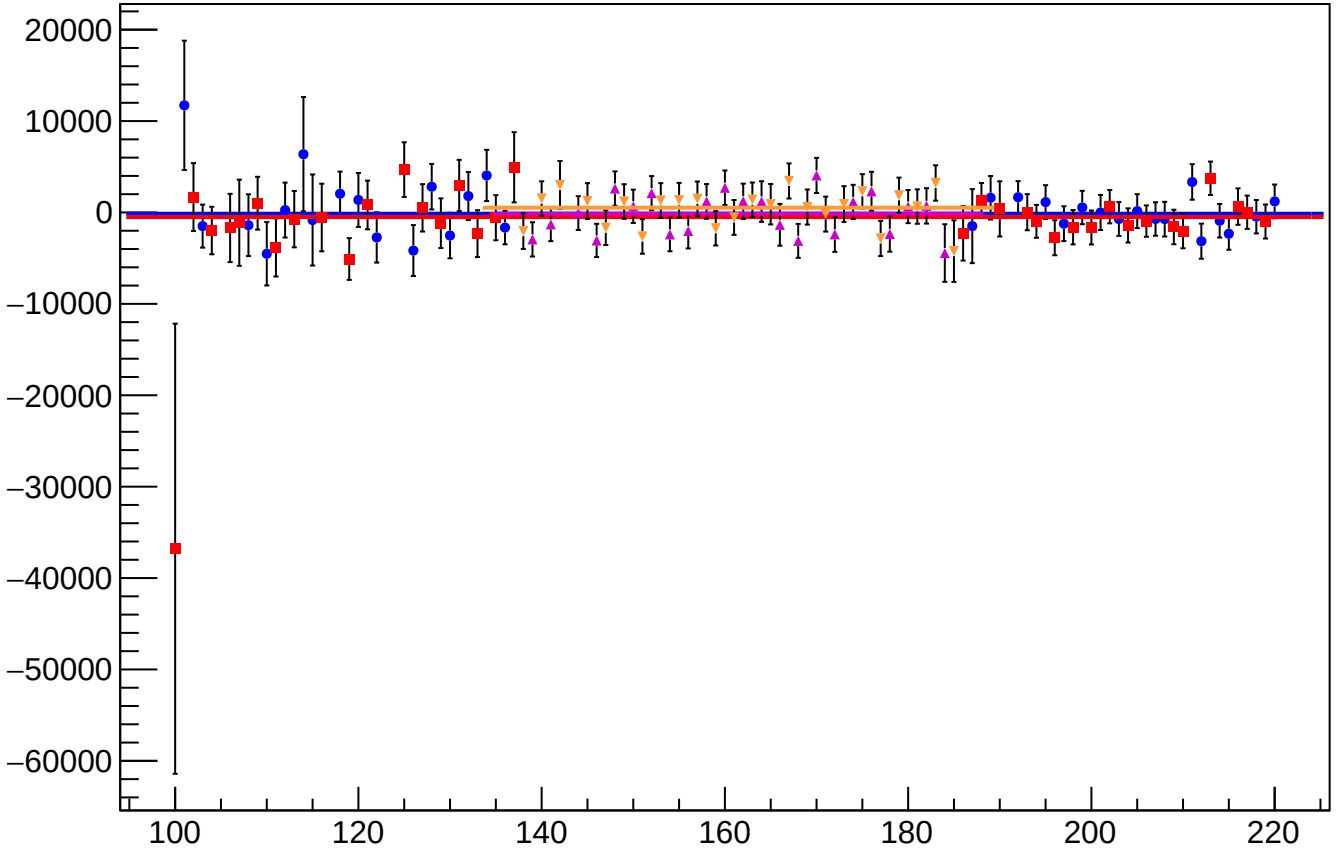
Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 21555958.8/56

All: 0.000+/-0.000 χ^2/NDF: 43630479.6/114

- sign 0.000+/-0.000 χ^2/NDF: 22021677.2/57

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -139.421+/-389.287 χ^2/NDF: 26.8/32

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -503.291+/-391.568 χ^2/NDF: 27.1/34

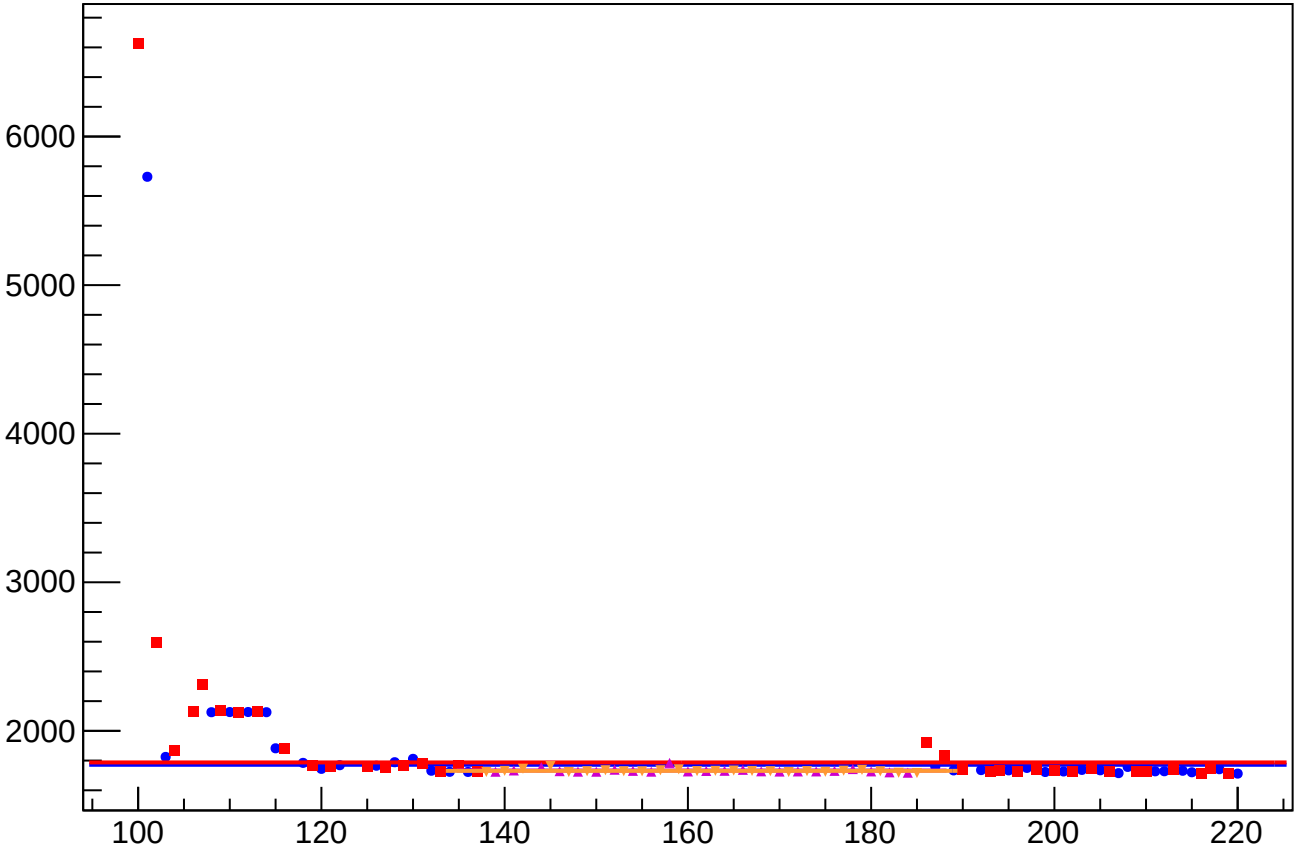
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 179.906+/-279.555 χ^2/NDF: 48.9/56

All: -68.838+/-198.319 χ^2/NDF: 107.5/114

- sign -320.848+/-281.385 χ^2/NDF: 57.0/57

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1771.768+/-0.275 χ^2/NDF: 723929.2/32

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

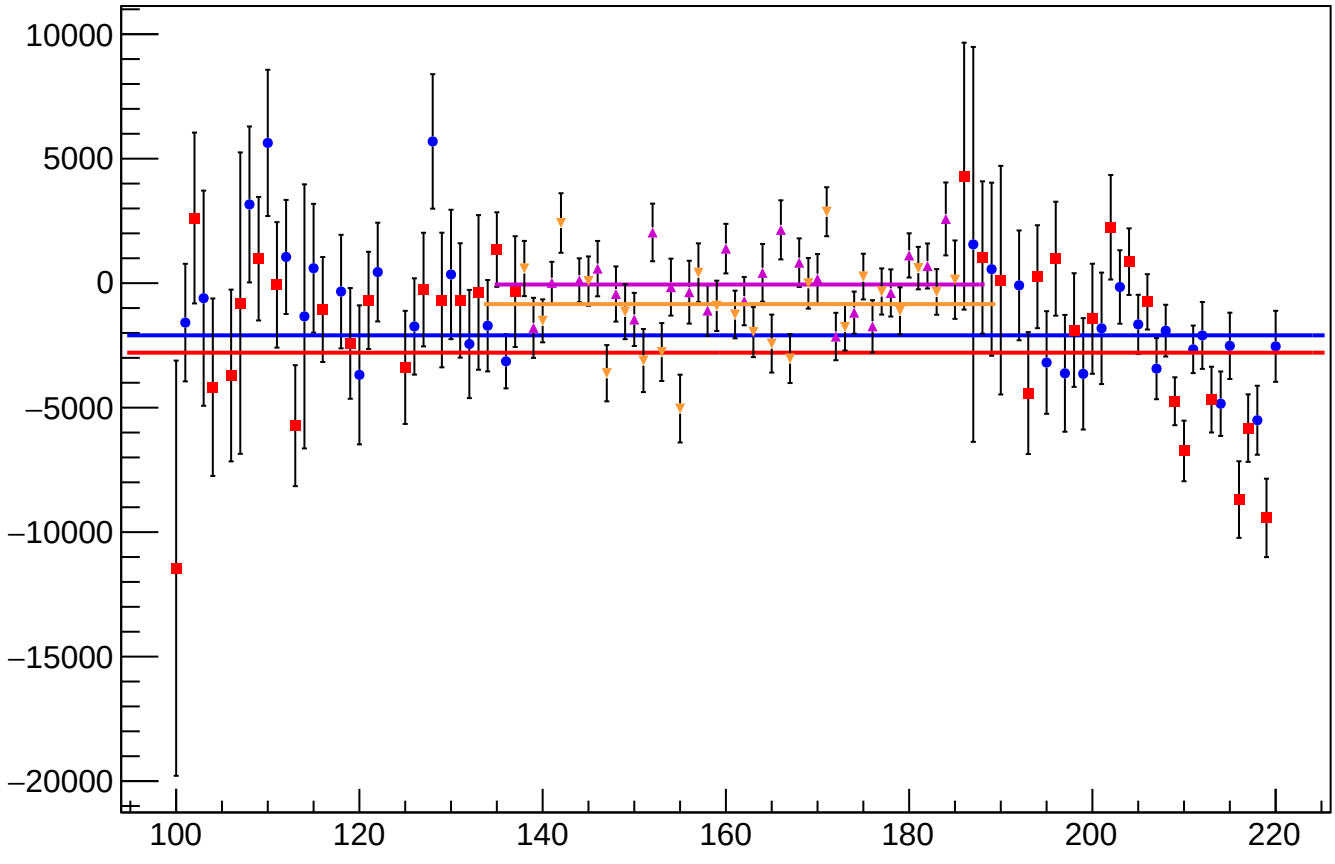
Right Out: 1787.509+/-0.277 χ^2/NDF: 327769.5/34

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1751.950+/-0.198 χ^2/NDF: 735601.9/56

All: 1756.521+/-0.140 χ^2/NDF: 1085423.7/11

- sign 1761.152+/-0.199 χ^2/NDF: 348745.2/57



Right In: -2095.659+/-301.455 χ^2/NDF: 42.7/32

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: -2792.112+/-326.105 χ^2/NDF: 103.2/34

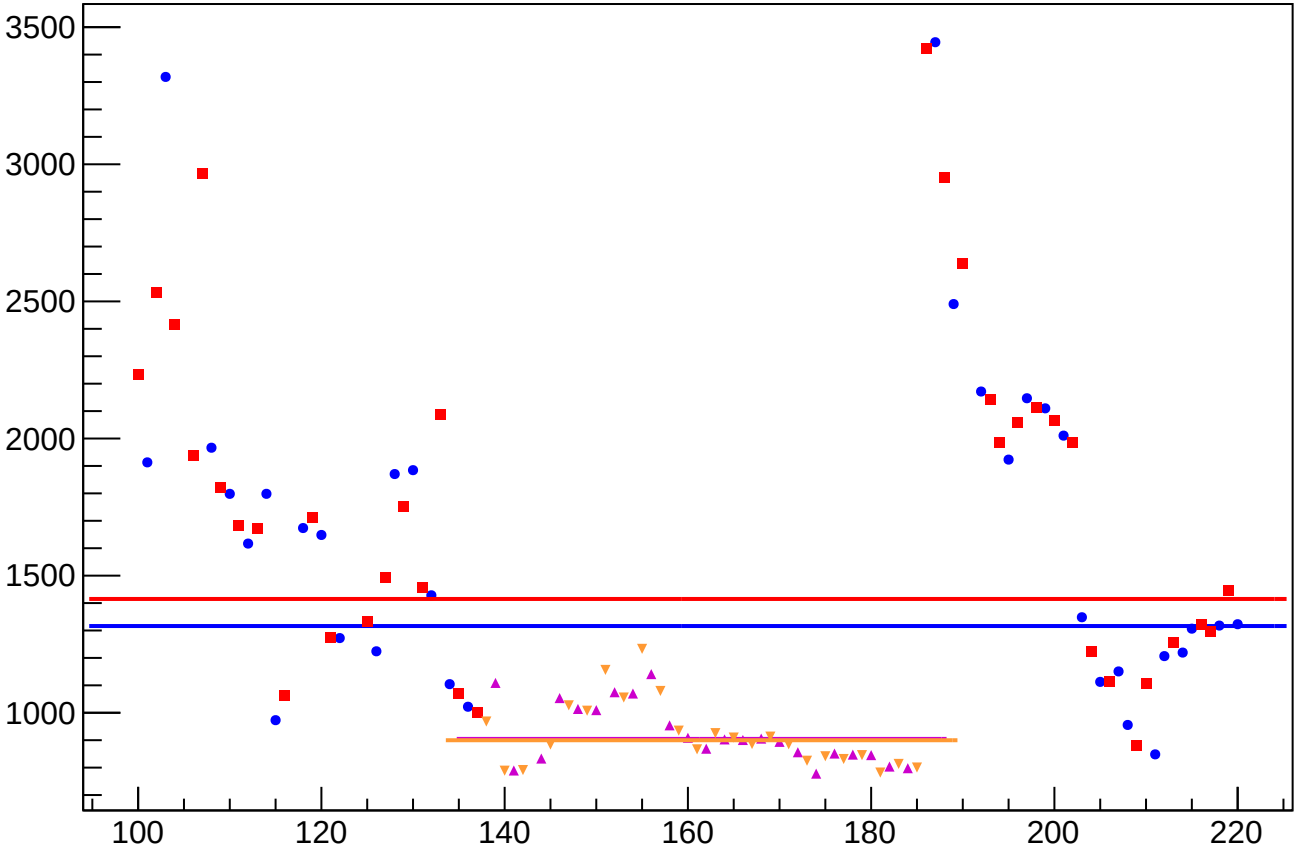
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -1254.135+/-172.782 χ^2/NDF: 117.0/56

All: -1069.358+/-124.084 χ^2/NDF: 302.6/114

- sign -872.567+/-178.310 χ^2/NDF: 183.3/57

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1316.261+/-0.213 χ^2/NDF: 3607969.9/32

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1414.969+/-0.231 χ^2/NDF: 3976970.6/34

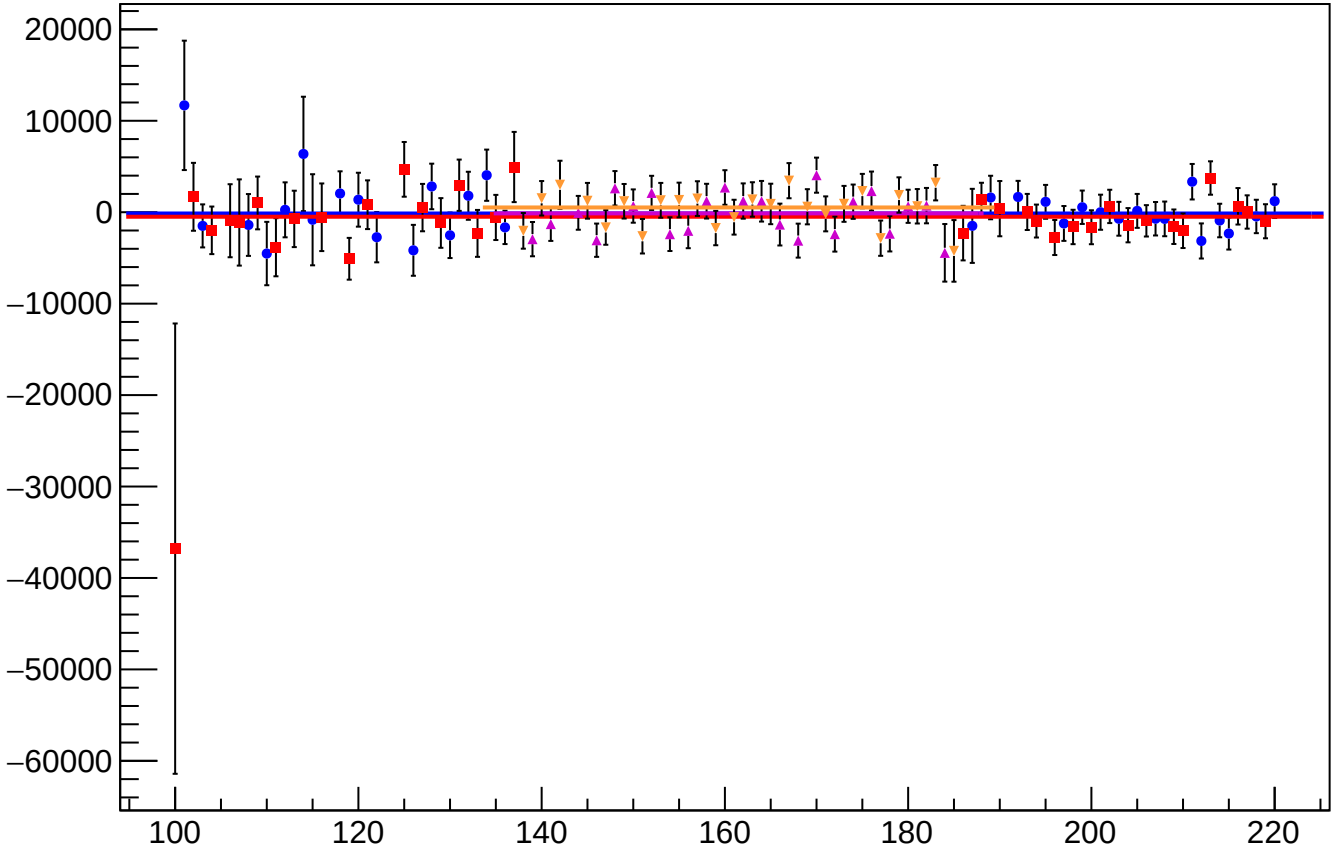
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1036.620+/-0.122 χ^2/NDF: 6666307.3/56

All: 1046.600+/-0.088 χ^2/NDF: 14542676.9/1

- sign 1057.228+/-0.126 χ^2/NDF: 7862591.8/57

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -139.726+/-389.287 χ^2/NDF: 26.8/32

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -494.409+/-391.838 χ^2/NDF: 27.0/34

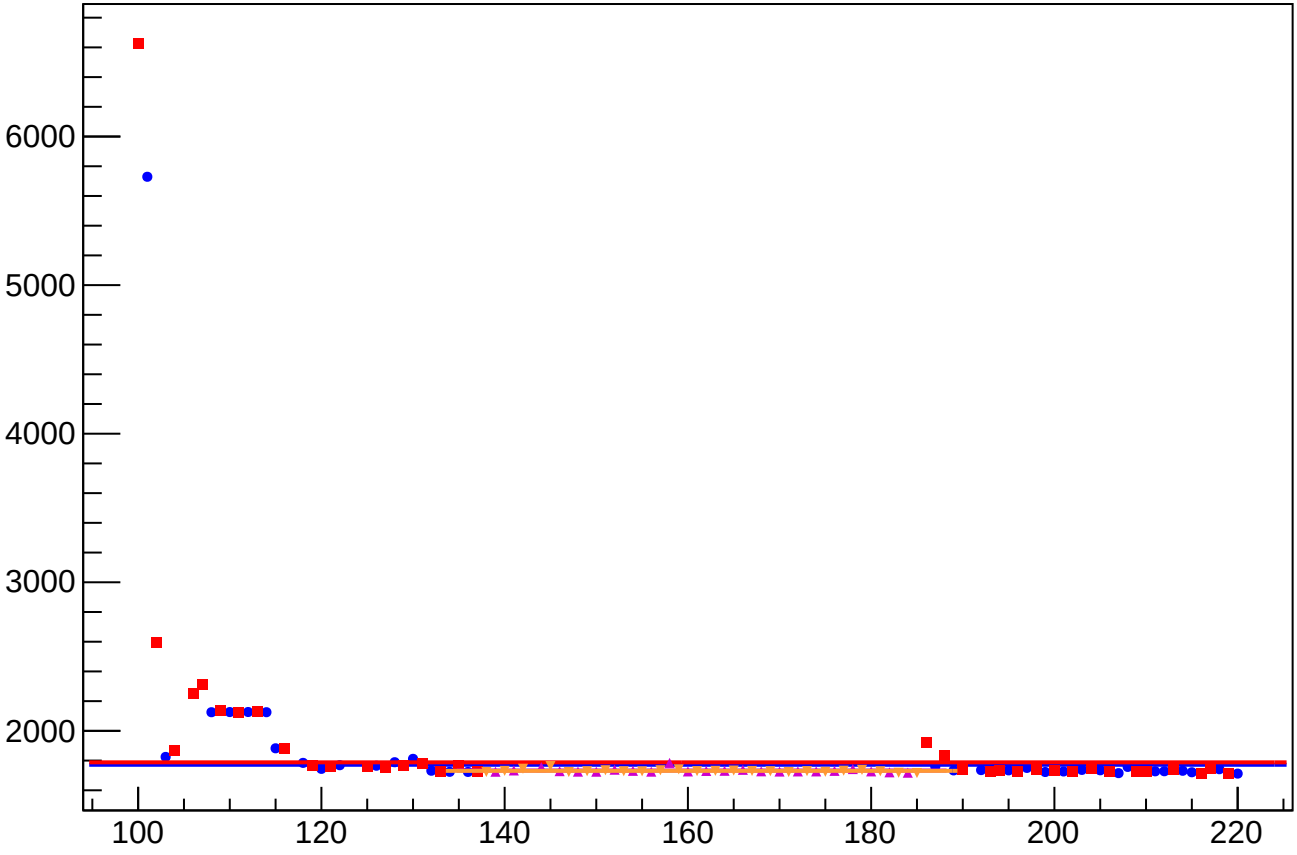
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 179.761+/-279.555 χ^2/NDF: 48.9/56

All: -66.495+/-198.354 χ^2/NDF: 107.4/114

- sign -316.164+/-281.485 χ^2/NDF: 56.9/57

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1771.768+/-0.275 χ^2/NDF: 723929.1/32

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

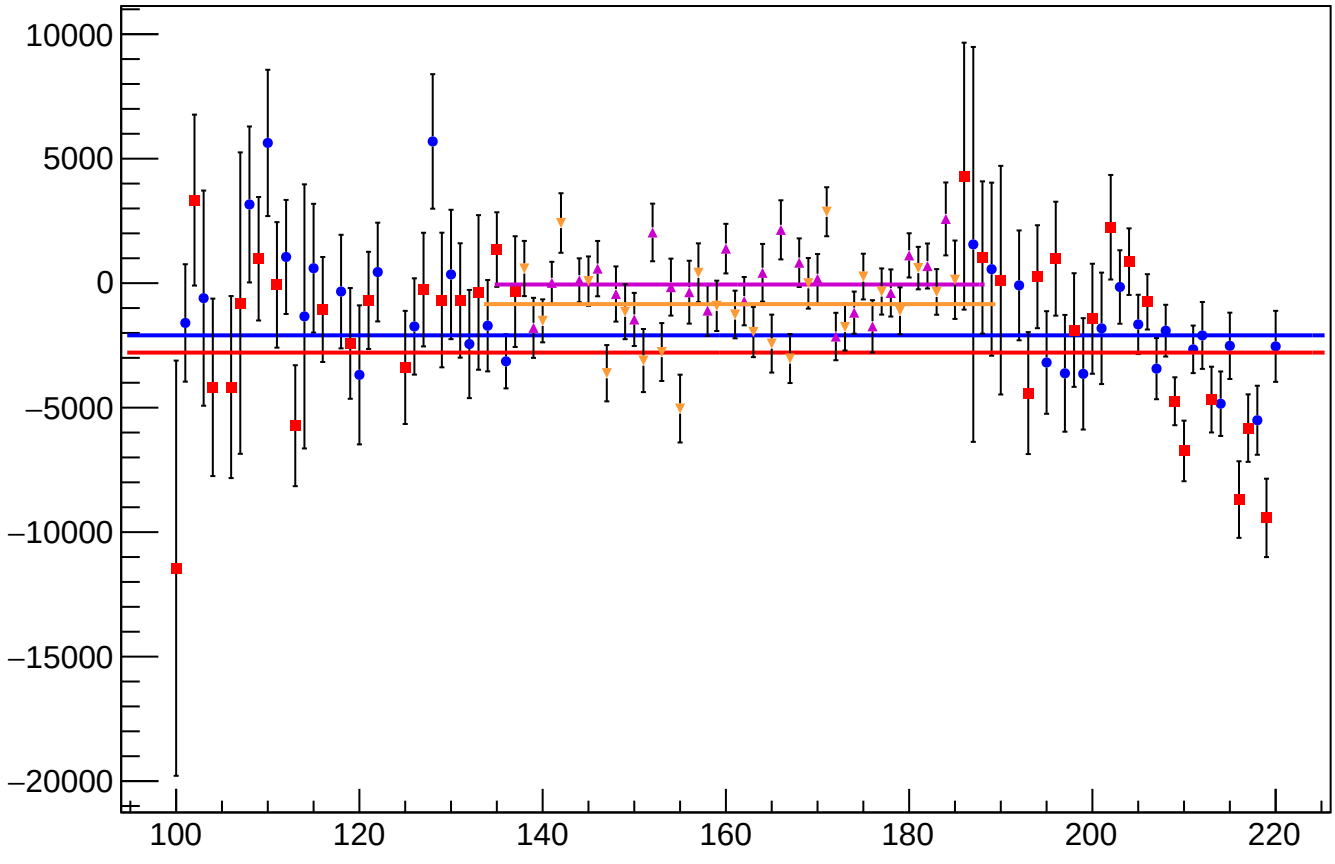
Right Out: 1788.157+/-0.277 χ^2/NDF: 337426.6/34

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1751.950+/-0.198 χ^2/NDF: 735601.8/56

All: 1756.676+/-0.140 χ^2/NDF: 1095590.3/11

- sign 1761.468+/-0.199 χ^2/NDF: 358837.3/57



Right In: -2095.860+/-301.447 χ^2/NDF: 42.7/32

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

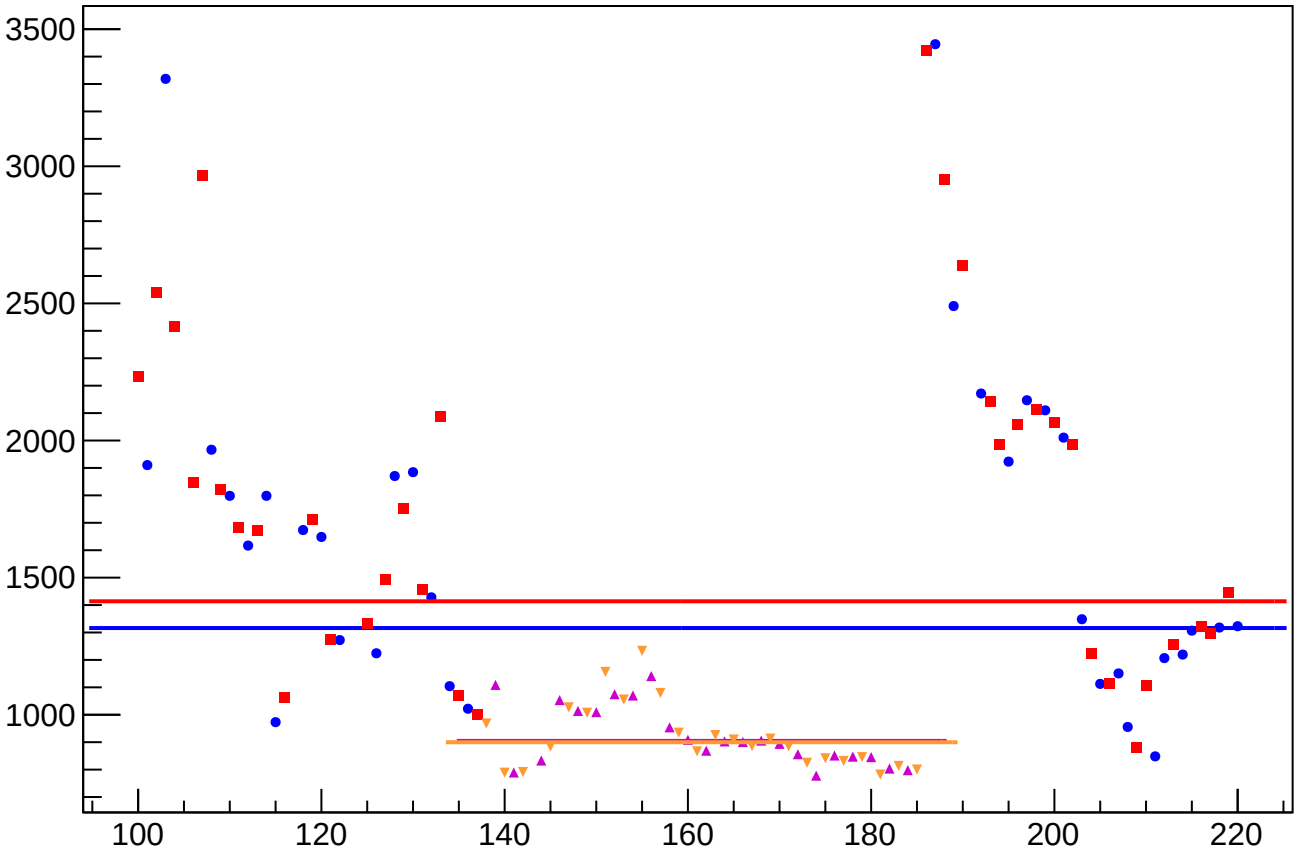
Right Out: -2788.440+/-326.264 χ^2/NDF: 104.0/34

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -1254.240+/-172.781 χ^2/NDF: 117.0/56

All: -1068.644+/-124.092 χ^2/NDF: 303.3/114

- sign -870.922+/-178.336 χ^2/NDF: 183.9/57



Right In: 1316.241+/-0.213 χ^2/NDF: 3607293.5/32

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1413.744+/-0.231 χ^2/NDF: 3960630.7/34

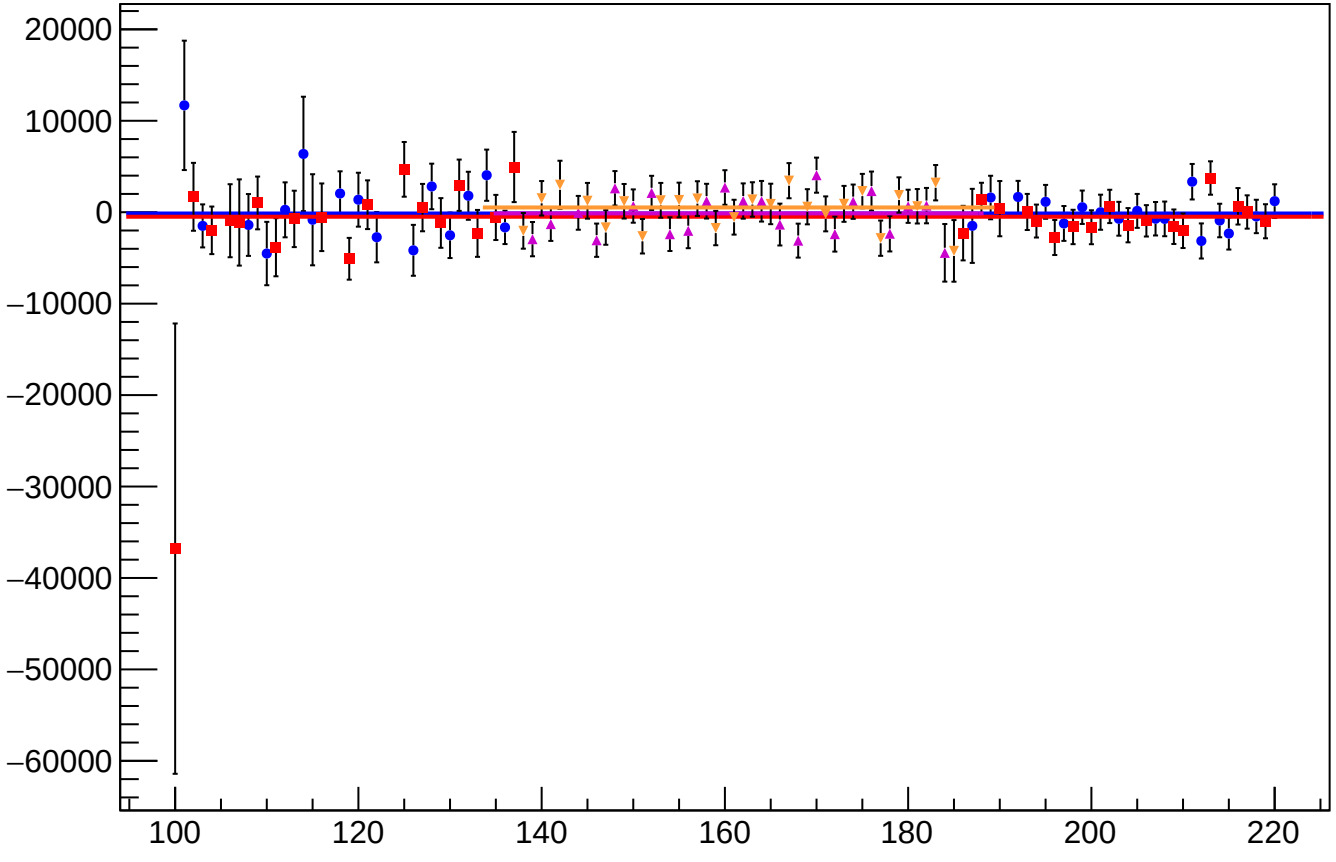
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1036.620+/-0.122 χ^2/NDF: 6665371.7/56

All: 1046.369+/-0.088 χ^2/NDF: 14506028.7/1

- sign 1056.755+/-0.126 χ^2/NDF: 7827506.8/57

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -139.726+/-389.287 χ^2/NDF: 26.8/32

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -494.409+/-391.838 χ^2/NDF: 27.0/34

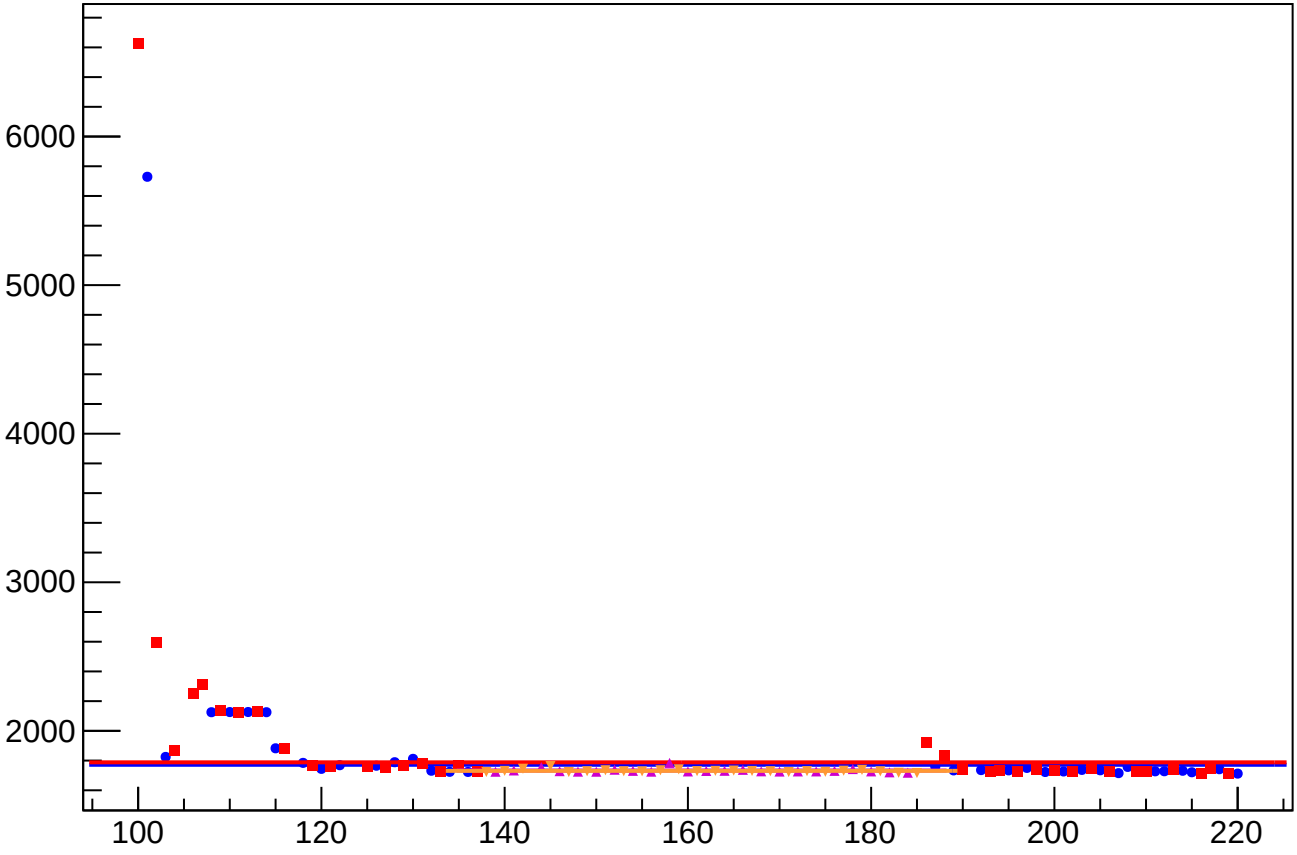
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 179.761+/-279.555 χ^2/NDF: 48.9/56

All: -66.495+/-198.354 χ^2/NDF: 107.4/114

- sign -316.164+/-281.485 χ^2/NDF: 56.9/57

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1771.768+/-0.275 χ^2/NDF: 723929.1/32

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

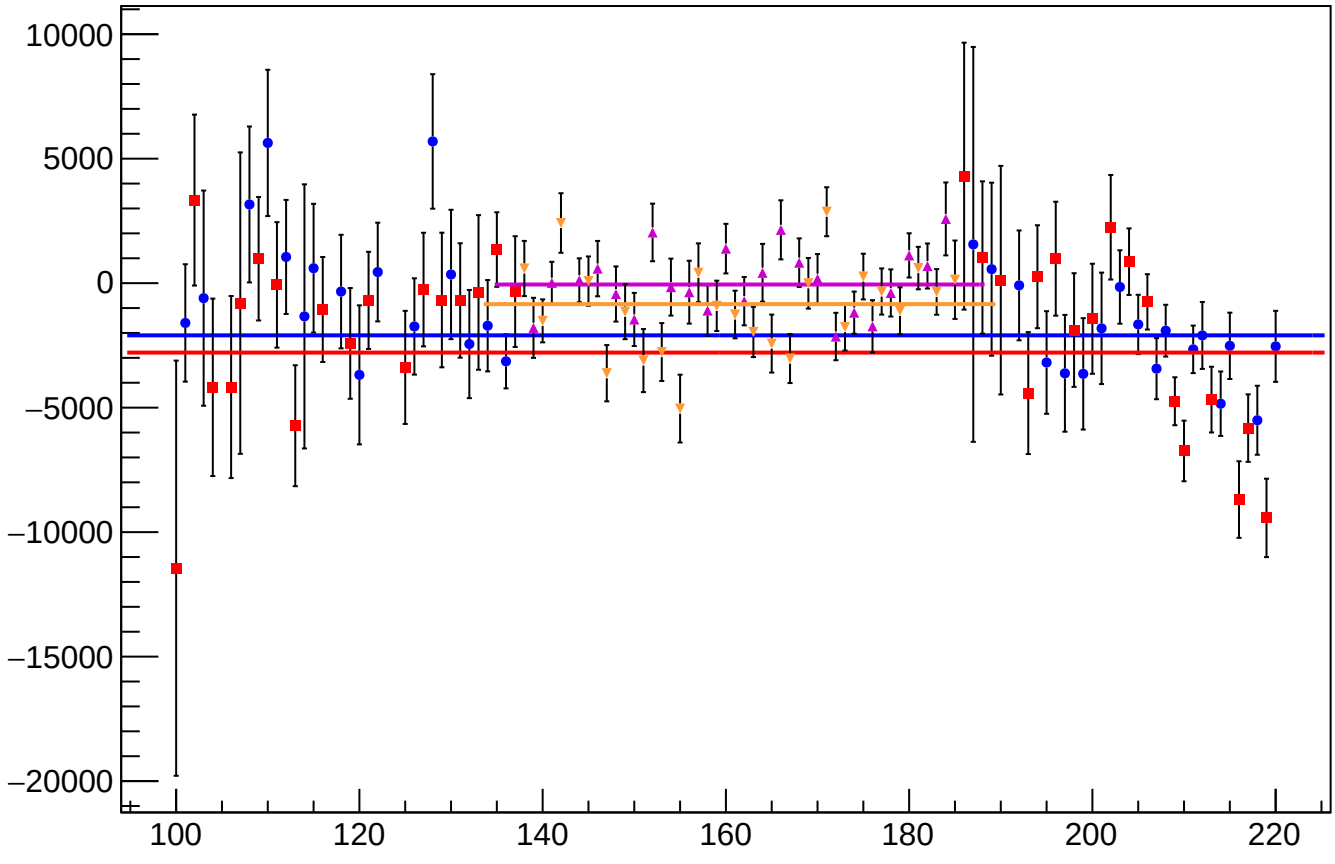
Right Out: 1788.157+/-0.277 χ^2/NDF: 337426.6/34

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1751.950+/-0.198 χ^2/NDF: 735601.8/56

All: 1756.676+/-0.140 χ^2/NDF: 1095590.3/11

- sign 1761.468+/-0.199 χ^2/NDF: 358837.3/57



Right In: -2095.860+/-301.447 χ^2/NDF: 42.7/32

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

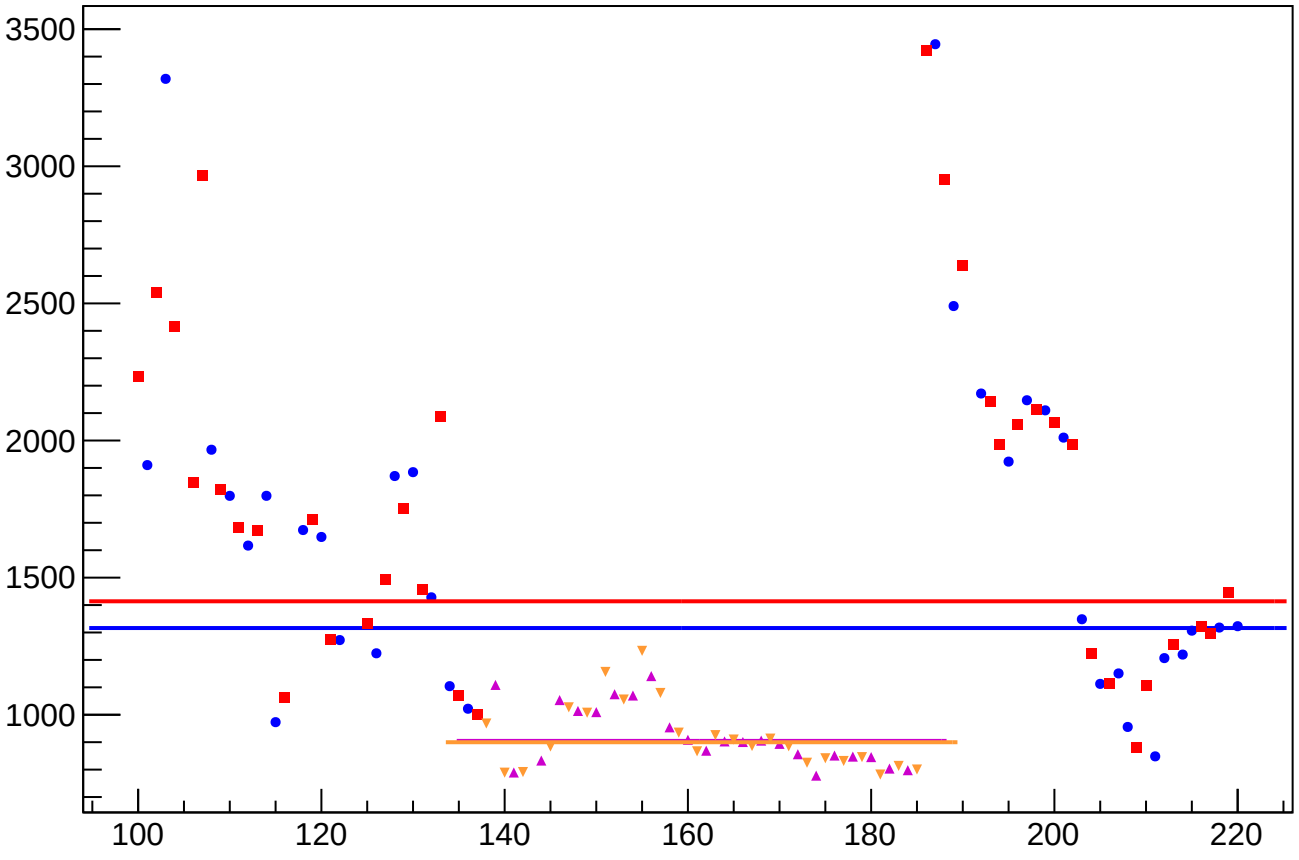
Right Out: -2788.440+/-326.264 χ^2/NDF: 104.0/34

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -1254.240+/-172.781 χ^2/NDF: 117.0/56

All: -1068.644+/-124.092 χ^2/NDF: 303.3/114

- sign -870.922+/-178.336 χ^2/NDF: 183.9/57



Right In: 1316.241+/-0.213 χ^2/NDF: 3607293.5/32

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1413.744+/-0.231 χ^2/NDF: 3960630.7/34

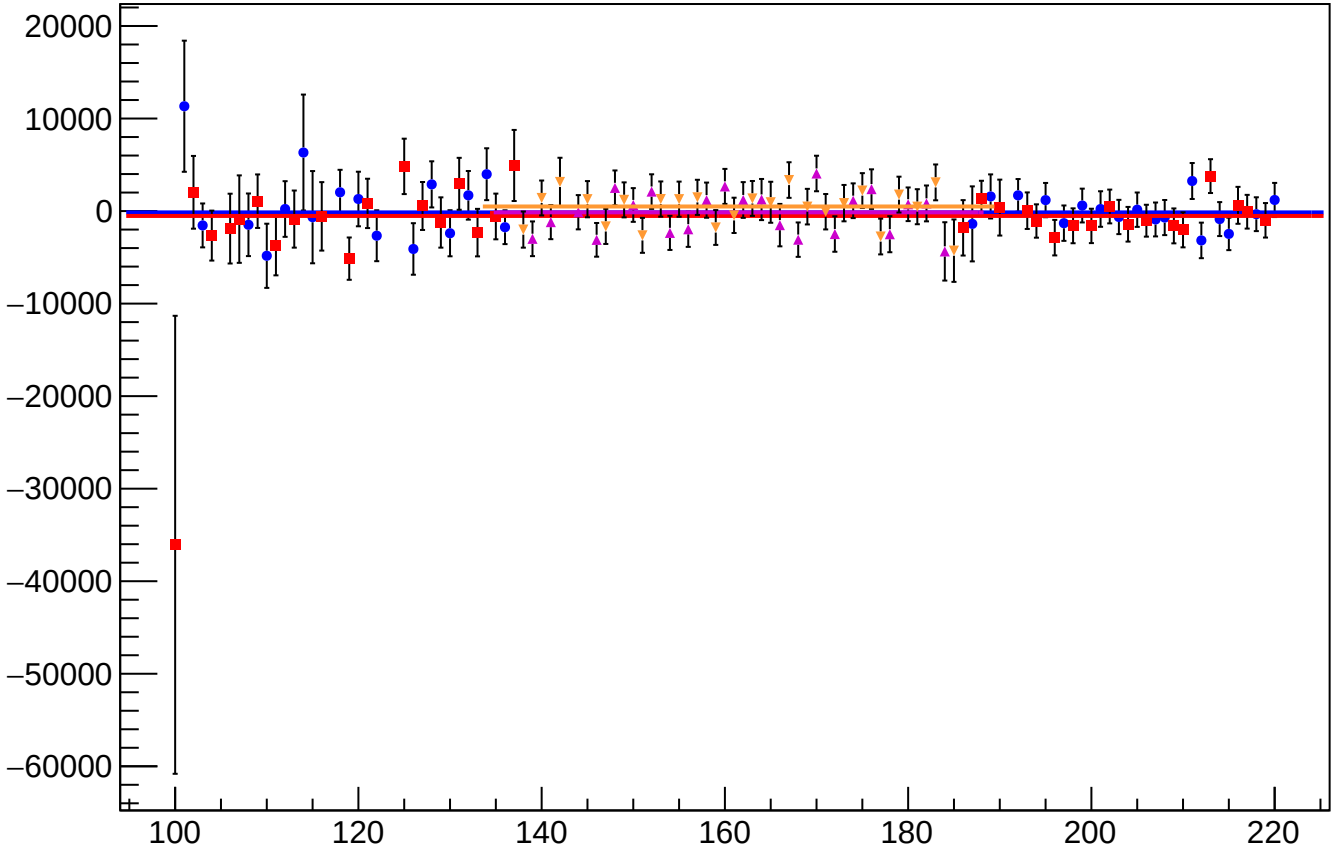
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1036.620+/-0.122 χ^2/NDF: 6665371.7/56

All: 1046.369+/-0.088 χ^2/NDF: 14506028.7/1

- sign 1056.755+/-0.126 χ^2/NDF: 7827506.8/57

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -144.045+/-389.659 χ^2/NDF: 26.8/32

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -526.975+/-392.552 χ^2/NDF: 27.7/34

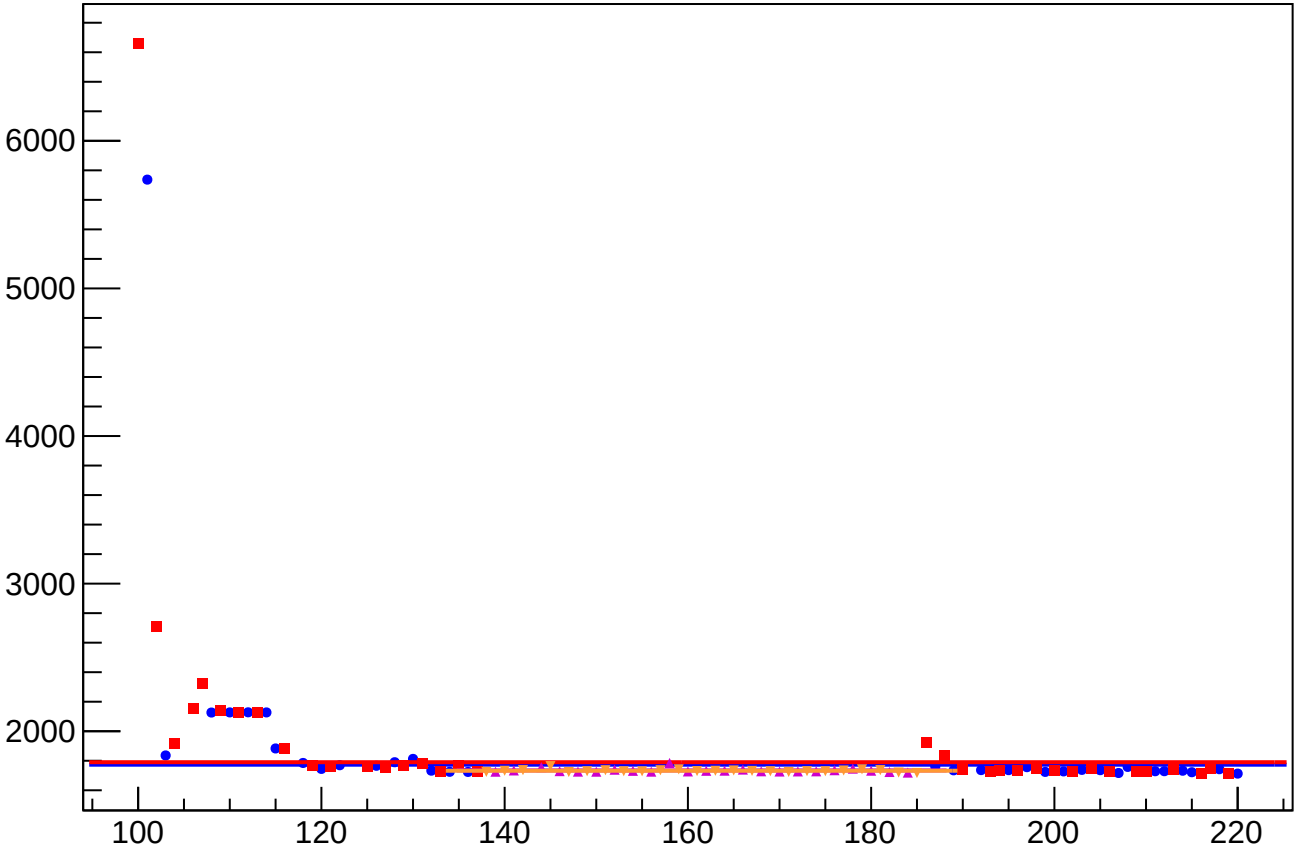
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 165.413+/-279.815 χ^2/NDF: 48.2/56

All: -84.524+/-198.582 χ^2/NDF: 107.5/114

- sign -338.149+/-281.872 χ^2/NDF: 57.7/57

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1773.353+/-0.276 χ^2/NDF: 724527.3/32

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

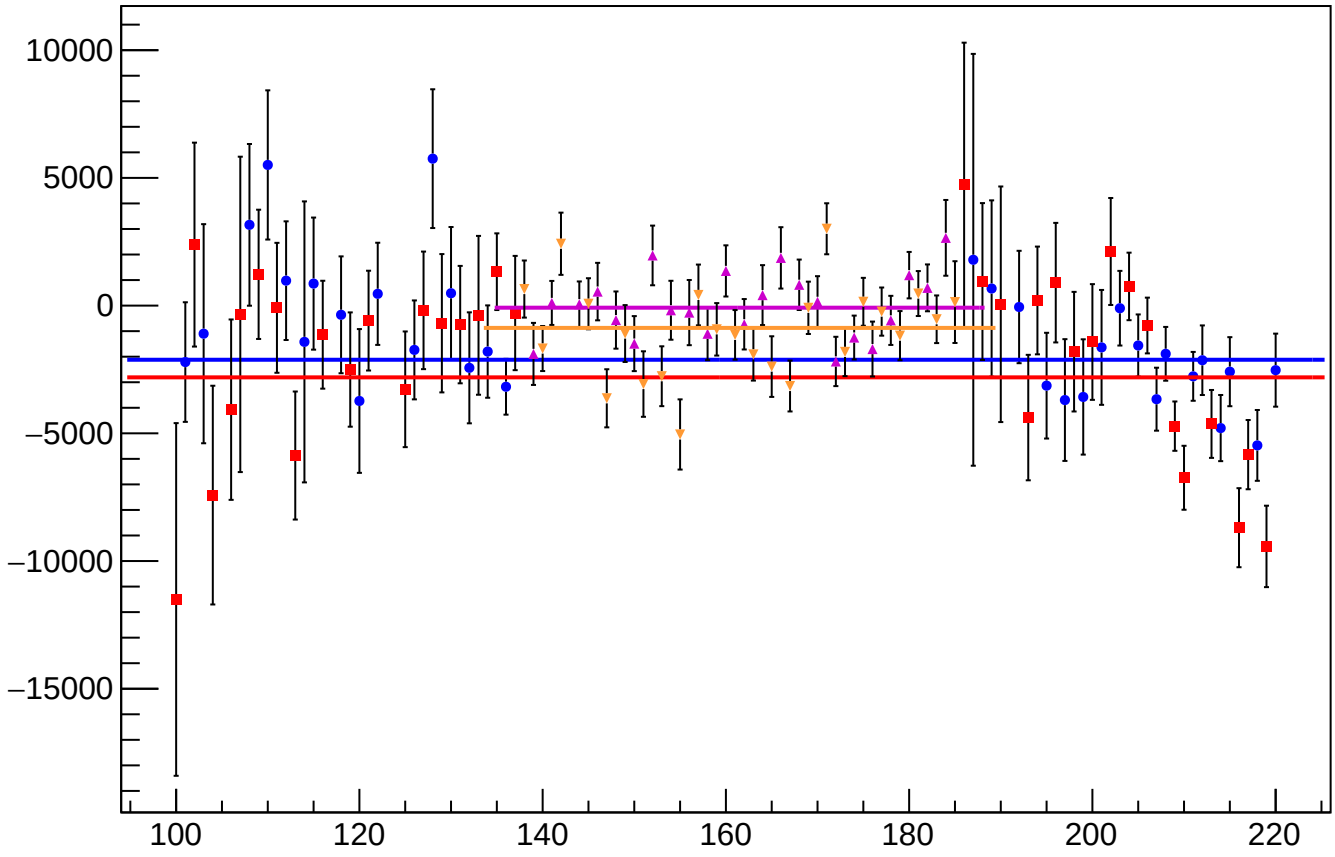
Right Out: 1790.204+/-0.278 χ^2/NDF: 348476.3/34

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1753.513+/-0.198 χ^2/NDF: 736143.5/56

All: 1758.348+/-0.140 χ^2/NDF: 1107498.7/11

- sign 1763.254+/-0.199 χ^2/NDF: 370152.2/57



Right In: -2119.698+/-302.960 χ^2/NDF: 43.2/32

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

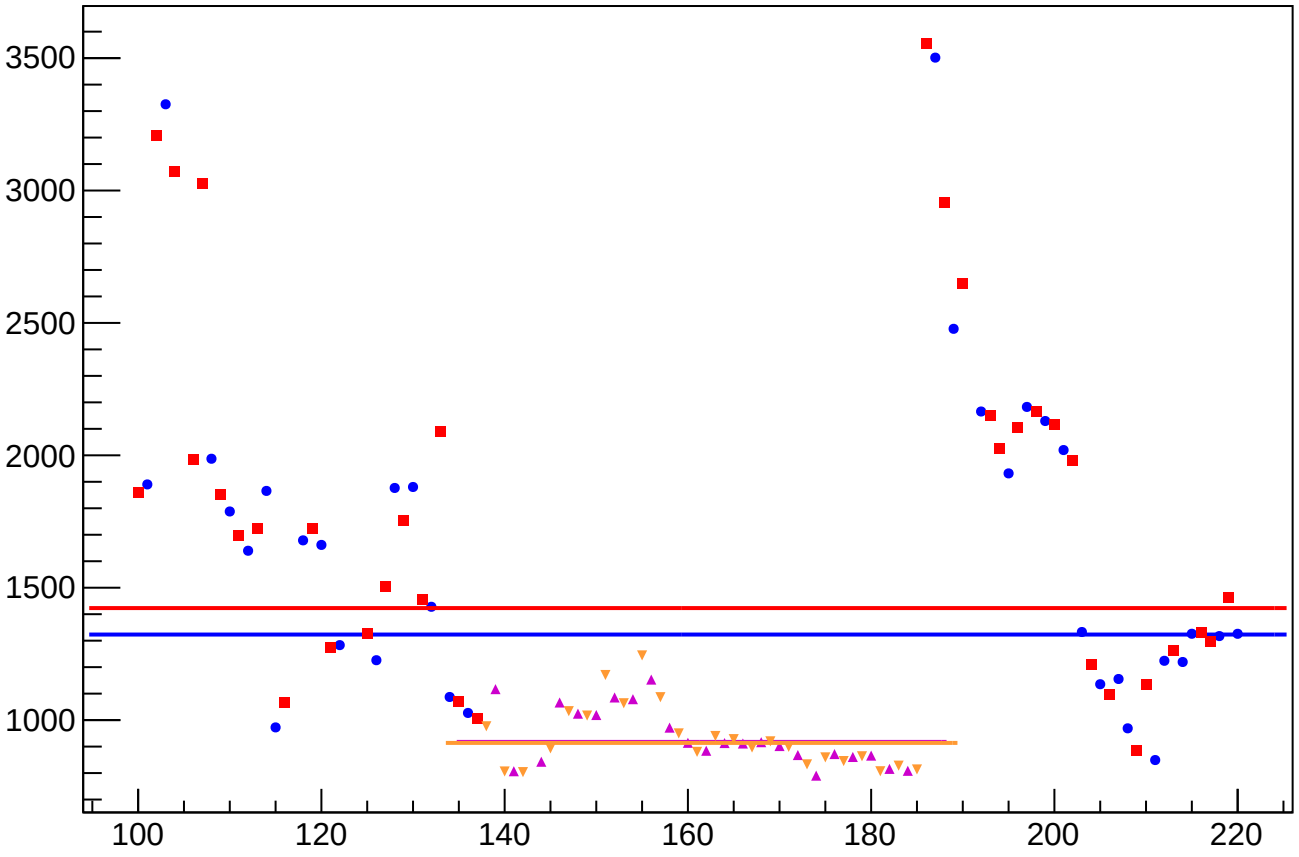
Right Out: -2808.970+/-328.536 χ^2/NDF: 101.9/34

Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -1287.888+/-174.796 χ^2/NDF: 116.5/56

All: -1102.137+/-125.546 χ^2/NDF: 298.8/114

- sign -904.206+/-180.435 χ^2/NDF: 180.0/57



Right In: 1323.139+/-0.214 χ^2/NDF: 3598711.7/32

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1423.085+/-0.232 χ^2/NDF: 4399501.0/34

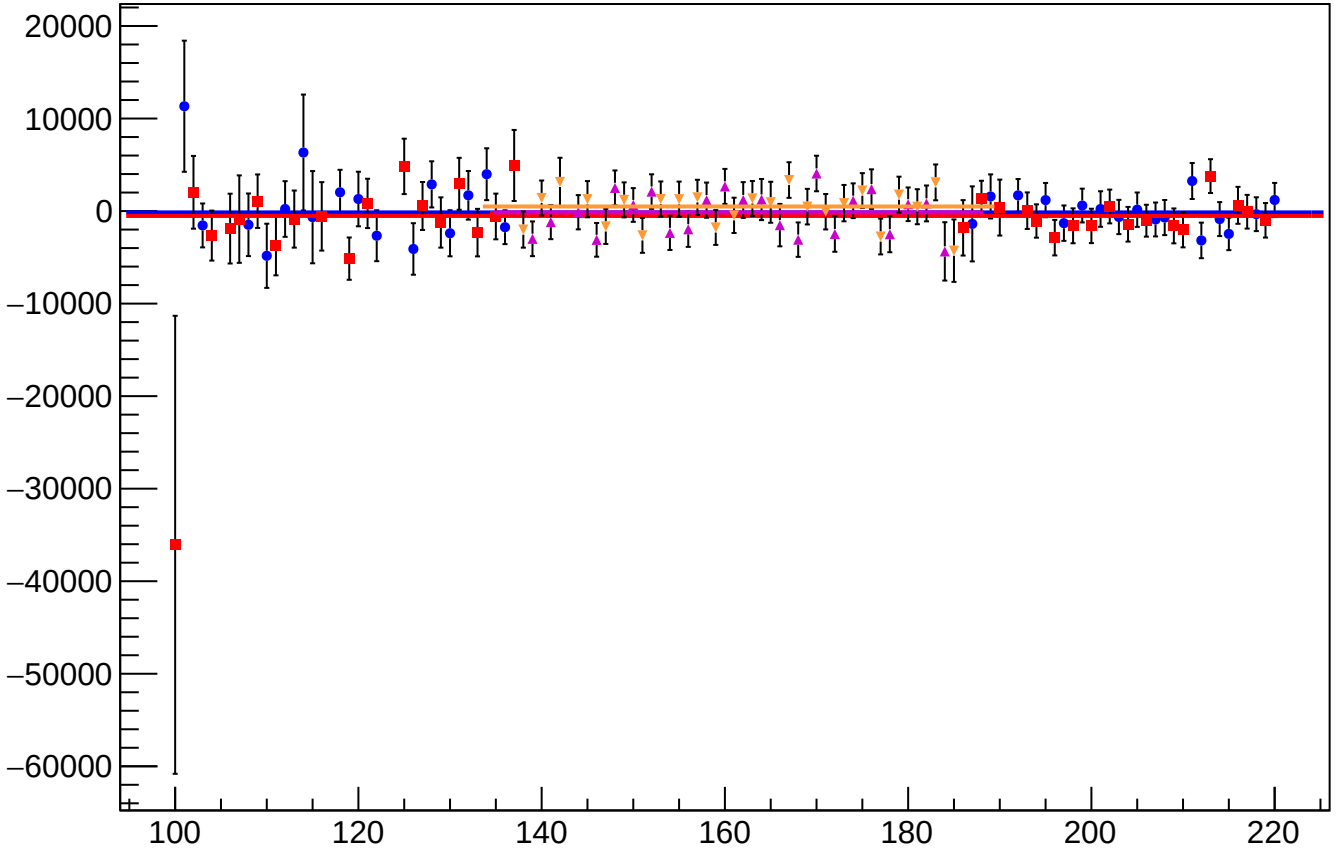
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1050.127+/-0.124 χ^2/NDF: 6496108.2/56

All: 1059.807+/-0.089 χ^2/NDF: 14644284.2/1

- sign 1070.122+/-0.128 χ^2/NDF: 8135506.2/57

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: -144.043+/-389.659 χ^2/NDF: 26.8/32

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -526.970+/-392.552 χ^2/NDF: 27.7/34

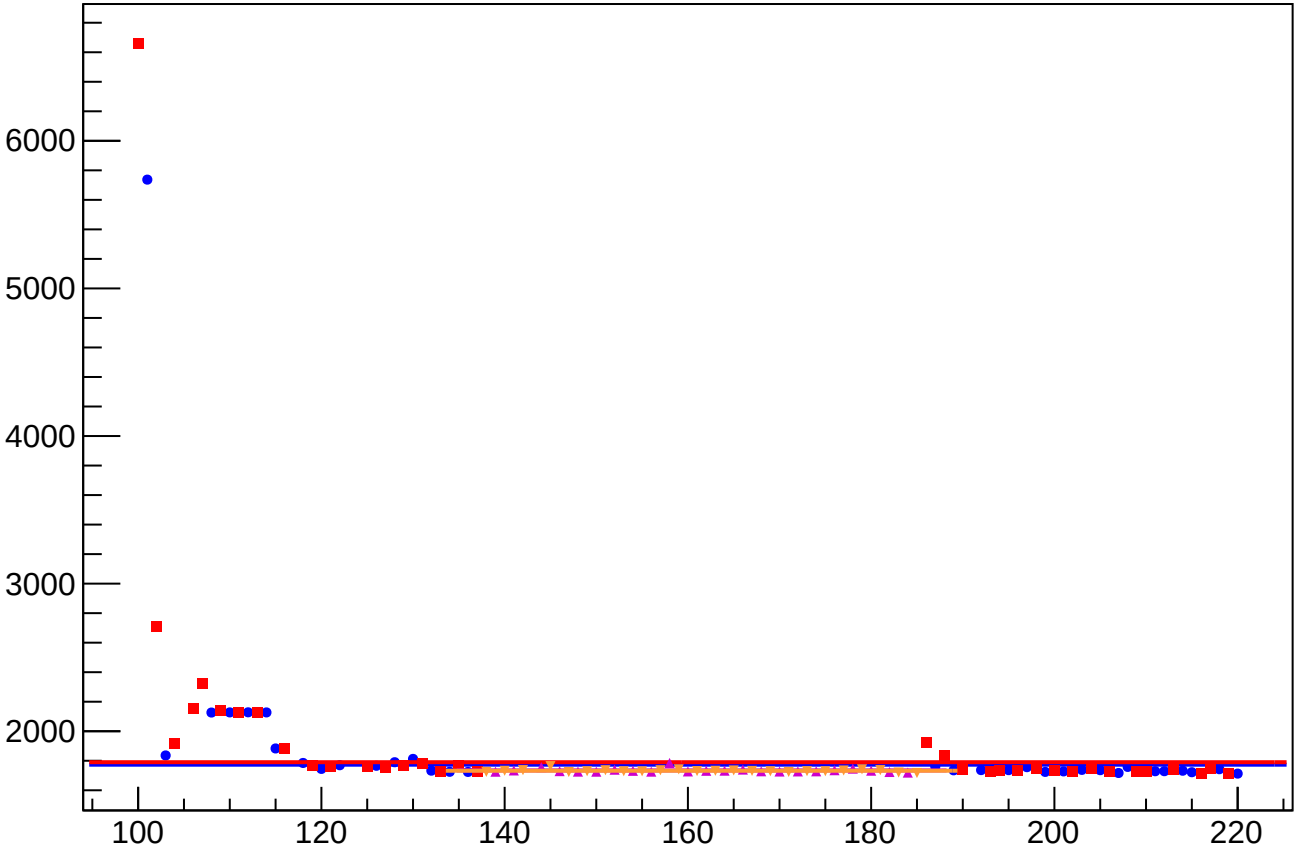
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 165.414+/-279.815 χ^2/NDF: 48.2/56

All: -84.522+/-198.582 χ^2/NDF: 107.5/114

- sign -338.146+/-281.872 χ^2/NDF: 57.7/57

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1773.353+/-0.276 χ^2/NDF: 724527.3/32

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

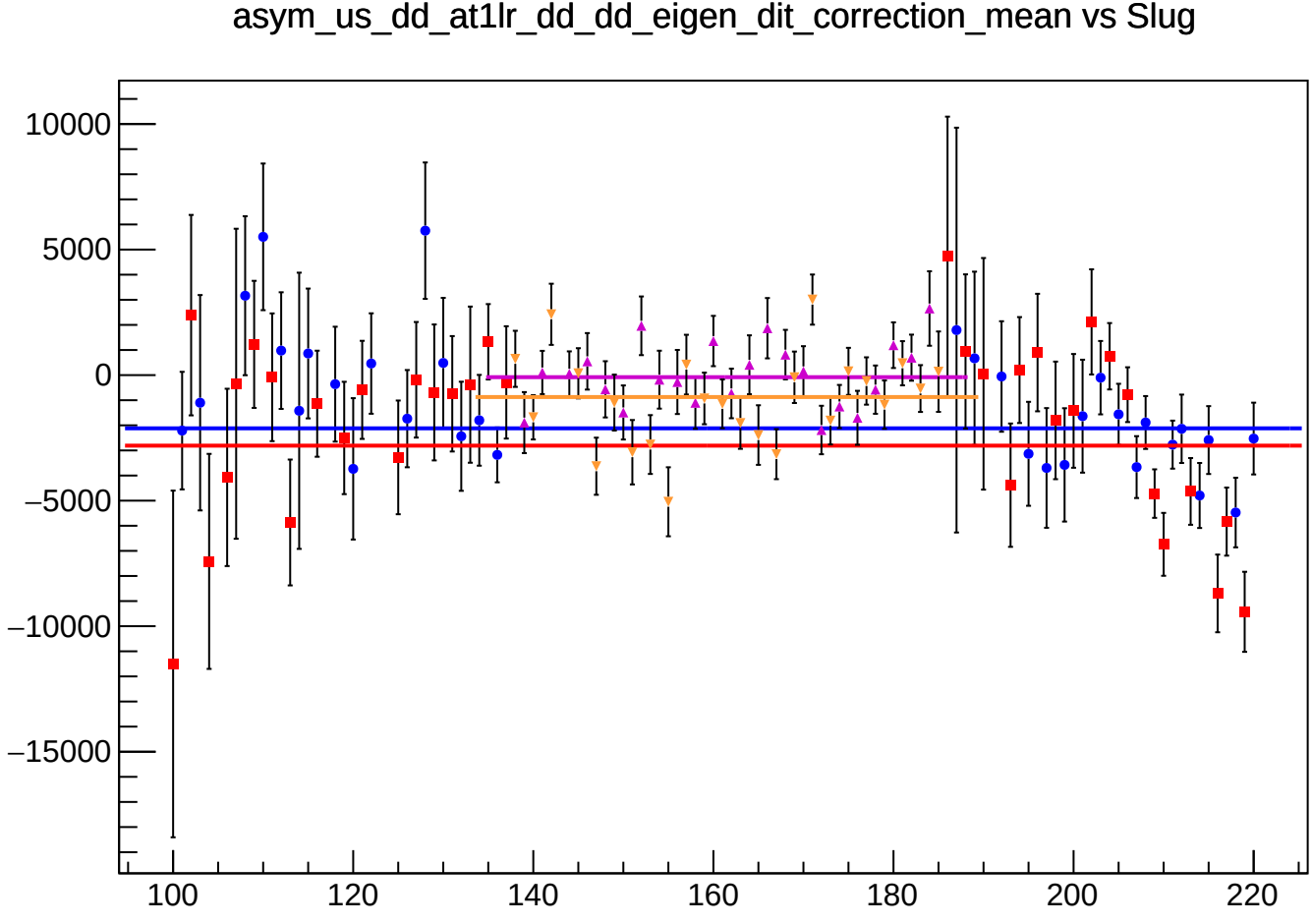
Right Out: 1790.204+/-0.278 χ^2/NDF: 348476.0/34

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1753.513+/-0.198 χ^2/NDF: 736143.5/56

All: 1758.347+/-0.140 χ^2/NDF: 1107498.4/11

- sign 1763.254+/-0.199 χ^2/NDF: 370151.9/57



Right In: -2119.694+/-302.960 χ^2/NDF: 43.2/32

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

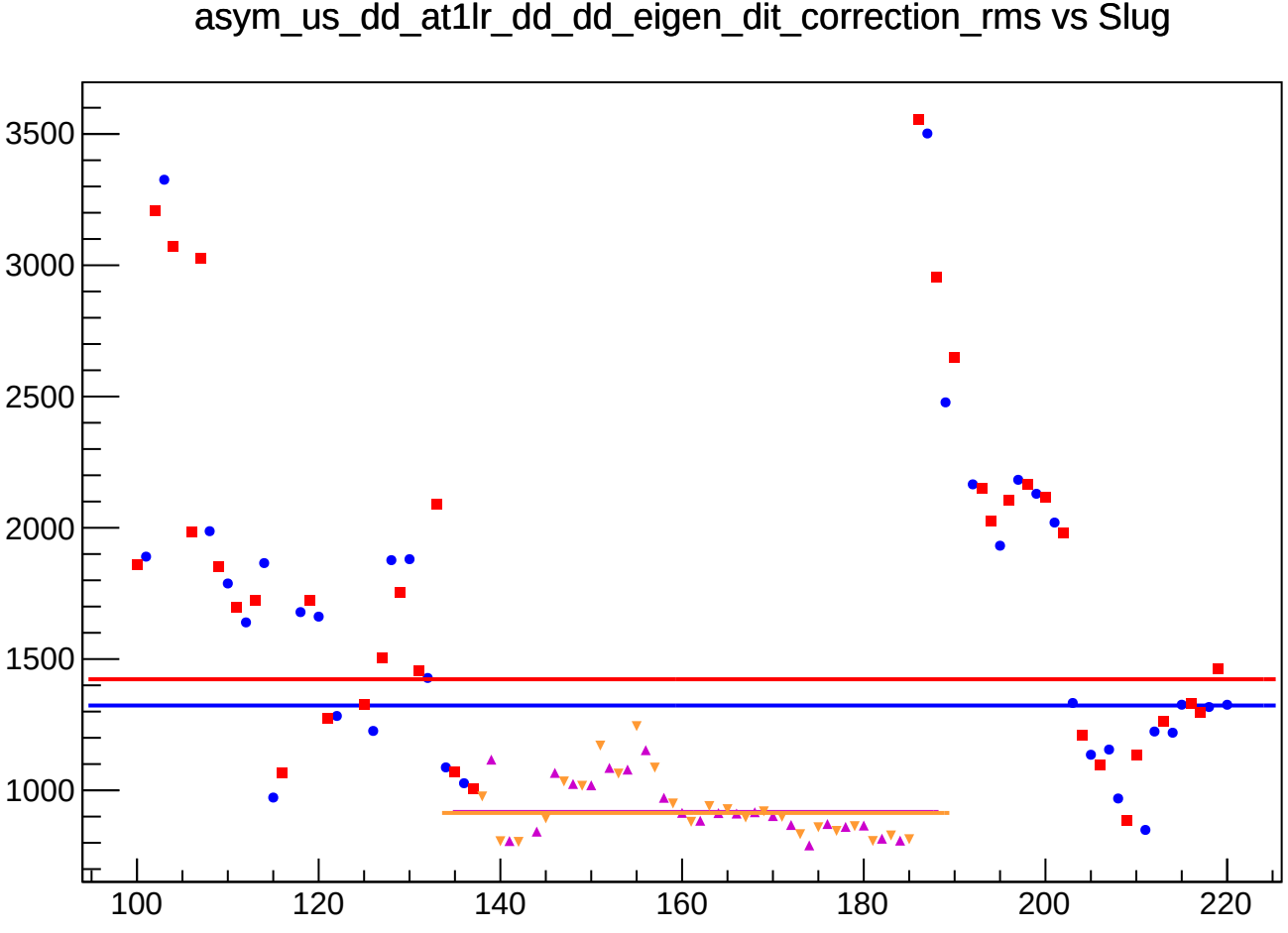
Right Out: -2808.971+/-328.535 χ^2/NDF: 101.9/34

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

+ sign -1287.887+/-174.796 χ^2/NDF: 116.5/56

All: -1102.137+/-125.546 χ^2/NDF: 298.8/114

- sign -904.208+/-180.435 χ^2/NDF: 180.0/57



Right In: 1323.137+/-0.214 χ^2/NDF: 3598706.0/32

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1423.082+/-0.232 χ^2/NDF: 4399517.5/34

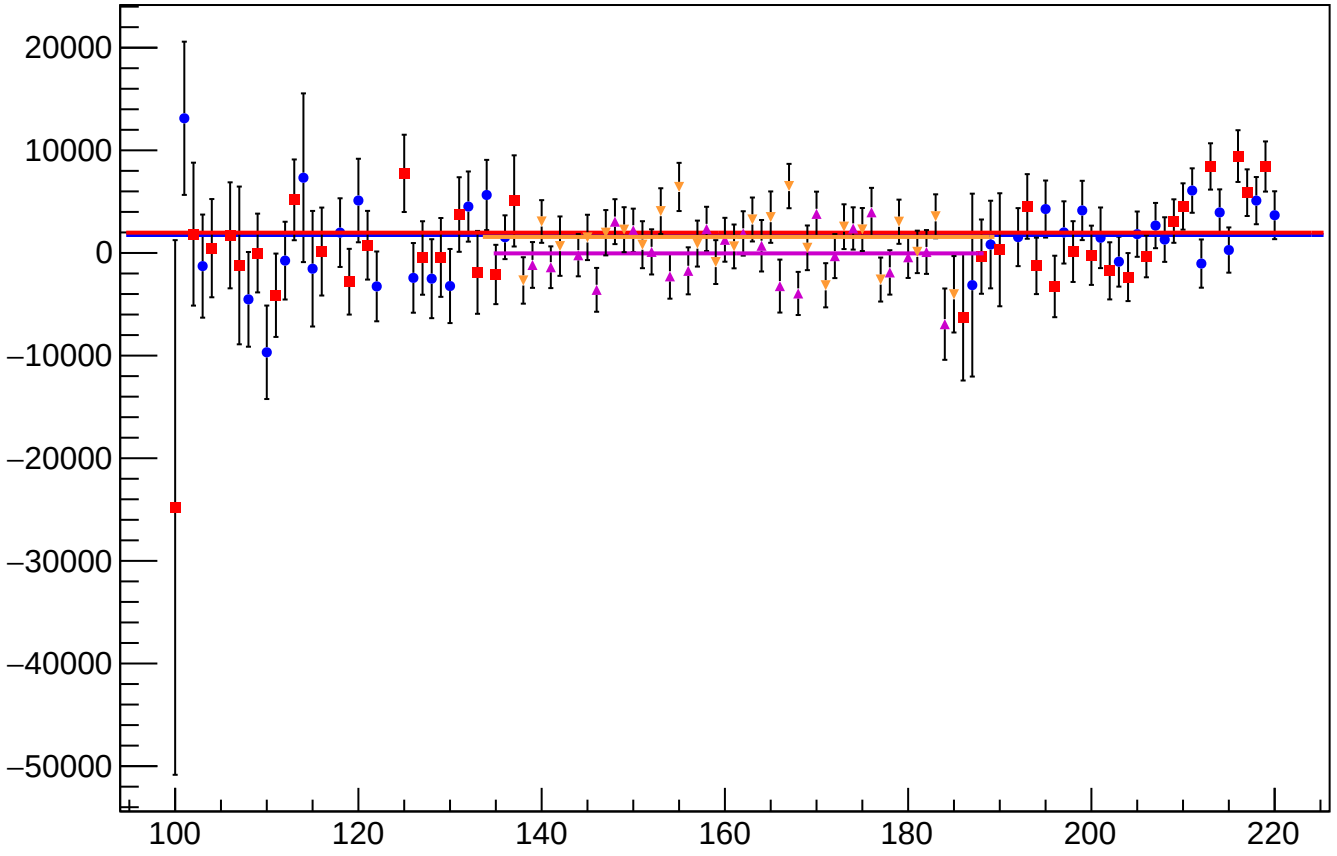
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1050.127+/-0.124 χ^2/NDF: 6496103.1/56

All: 1059.807+/-0.089 χ^2/NDF: 14644282.9/1

- sign 1070.121+/-0.128 χ^2/NDF: 8135510.4/57

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 1752.707+/-516.070 χ^2/NDF: 34.4/32

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: 1978.321+/-536.293 χ^2/NDF: 57.1/34

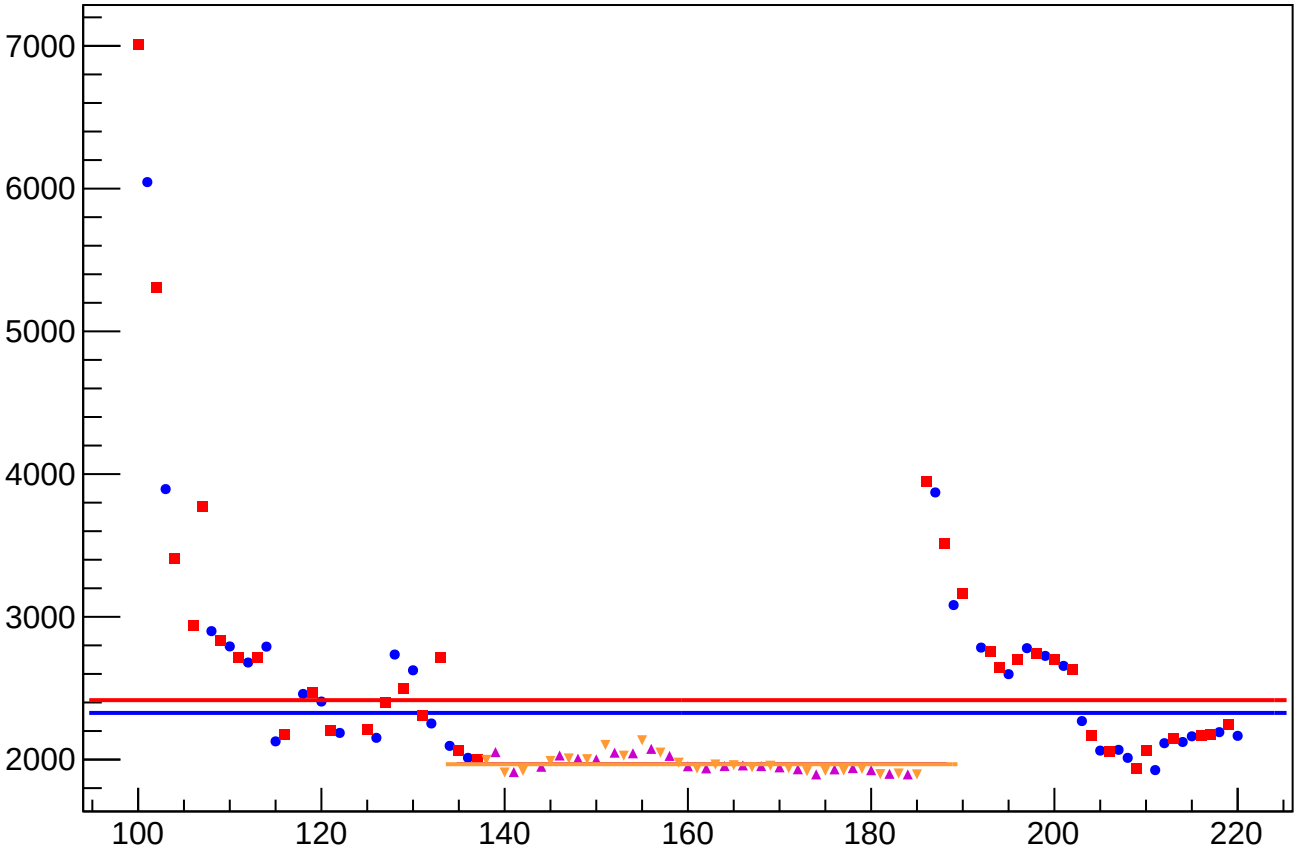
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1645.434+/-342.085 χ^2/NDF: 65.7/56

All: 1238.892+/-244.343 χ^2/NDF: 161.7/114

- sign 815.438+/-349.128 χ^2/NDF: 93.1/57

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2326.867+/-0.365 χ^2/NDF: 1401786.2/32

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

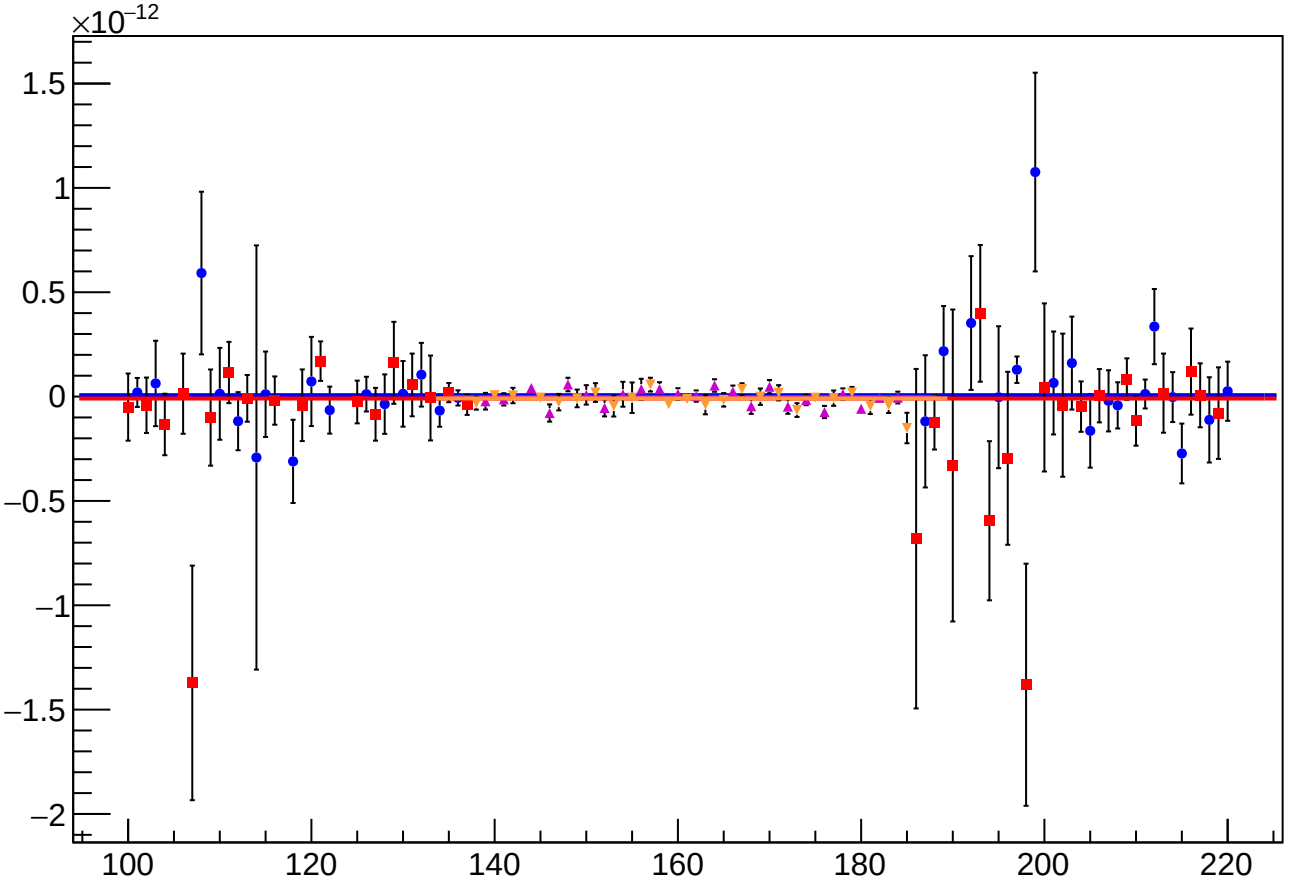
Right Out: 2416.256+/-0.379 χ^2/NDF: 1472757.7/34

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2125.356+/-0.242 χ^2/NDF: 1979946.4/56

All: 2141.620+/-0.173 χ^2/NDF: 4289891.9/11

- sign 2158.562+/-0.247 χ^2/NDF: 2300714.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 28.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

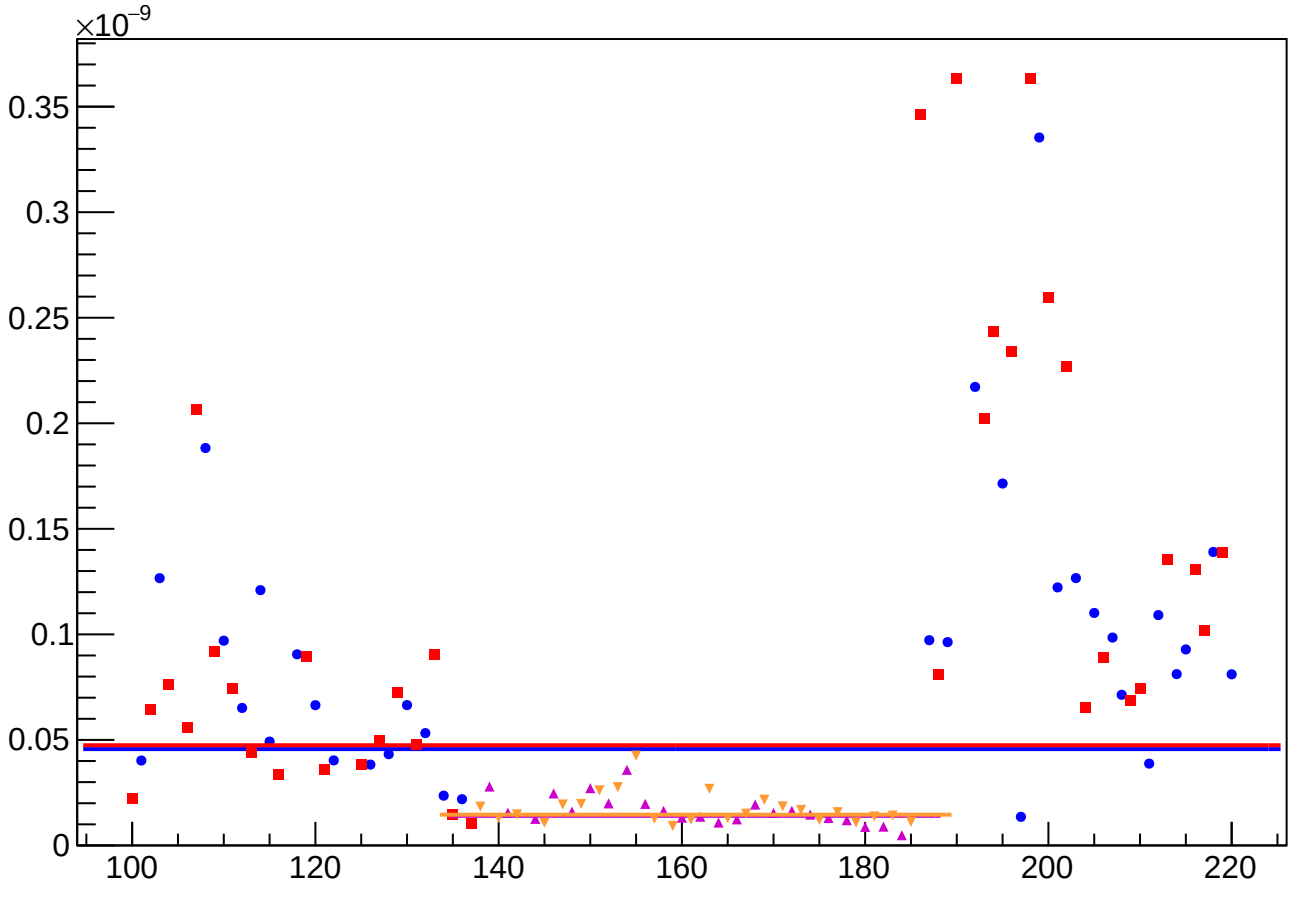
Right Out: -0.000+/-0.000 χ^2/NDF: 27.3/34

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 49.4/56

All: -0.000+/-0.000 χ^2/NDF: 115.9/114

- sign -0.000+/-0.000 χ^2/NDF: 66.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 6507233.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

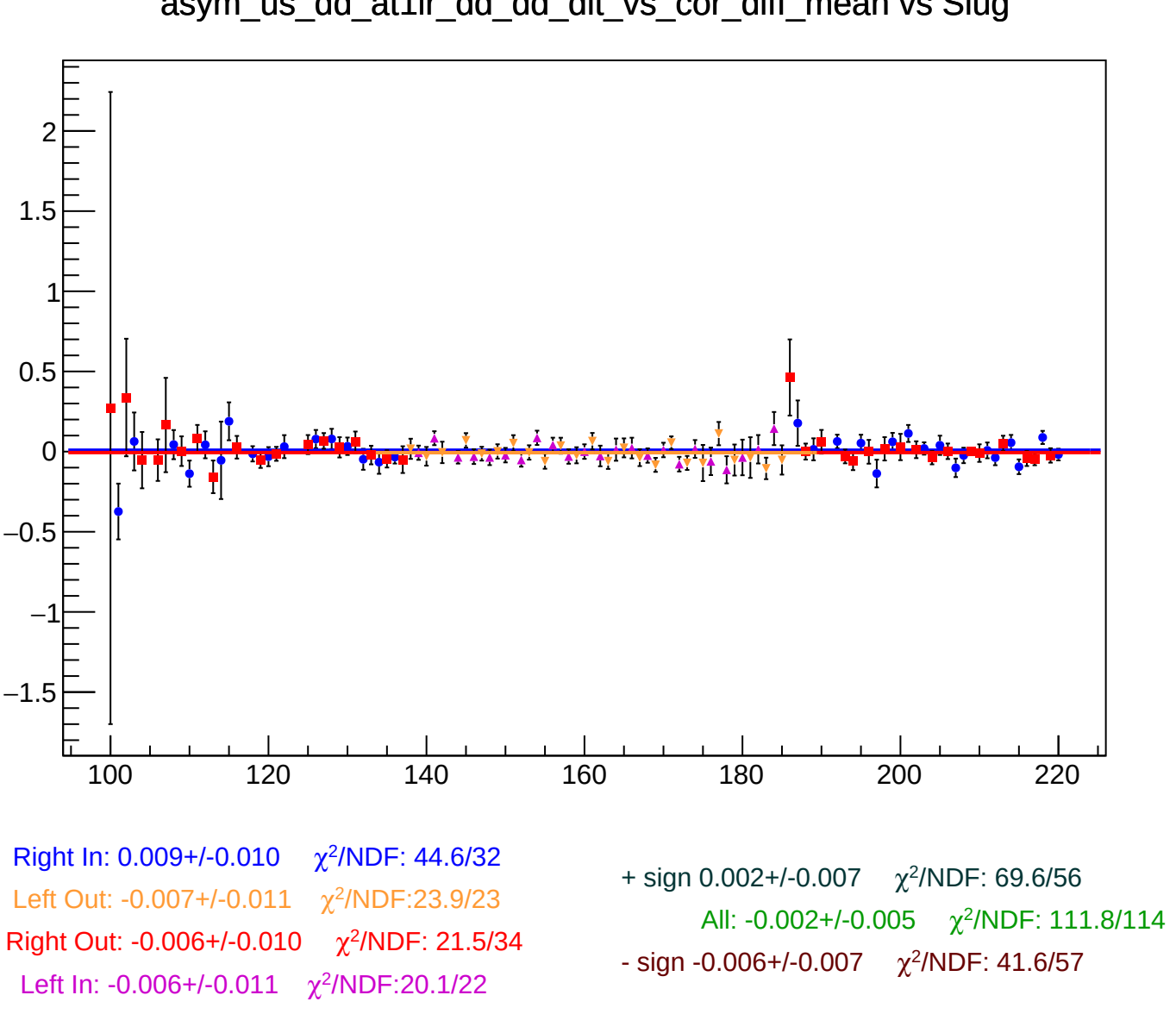
Right Out: 0.000+/-0.000 χ^2/NDF: 8577625.8/34

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

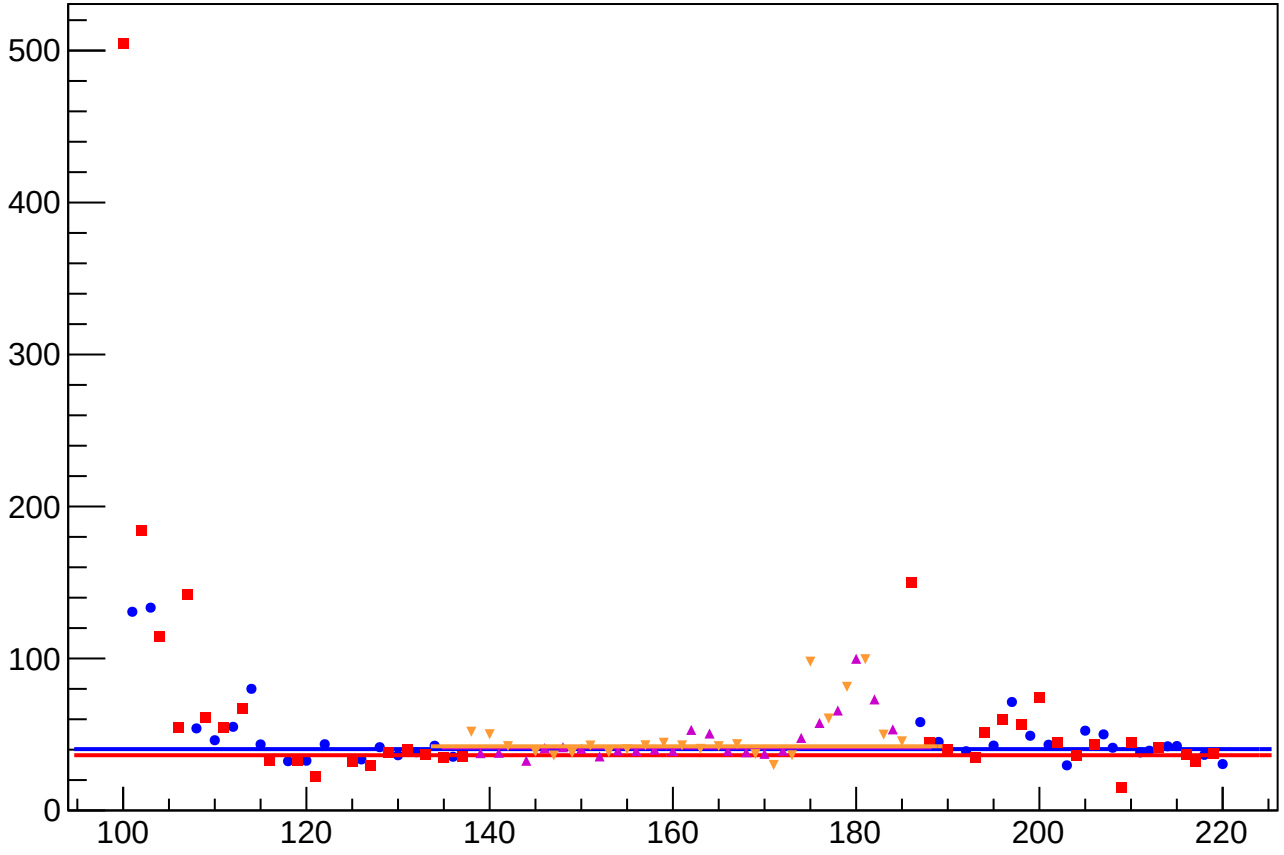
+ sign 0.000+/-0.000 χ^2/NDF: 12203087.2/56

All: 0.000+/-0.000 χ^2/NDF: 26761750.0/114

- sign 0.000+/-0.000 χ^2/NDF: 14537664.2/57


asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs Slug
2
1.5
1
0.5
0
−0.5
−1
−1.5
100
120
140
160
180
200
220
Right In: 0.009+/-0.010 χ²/NDF: 44.6/32
Left Out: -0.007+/-0.011 χ²/NDF:23.9/23
Right Out: -0.006+/-0.010 χ²/NDF: 21.5/34
Left In: -0.006+/-0.011 χ²/NDF:20.1/22
+ sign 0.002+/-0.007 χ²/NDF: 69.6/56
All: -0.002+/-0.005 χ²/NDF: 111.8/114
- sign -0.006+/-0.007 χ²/NDF: 41.6/57

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 40.365+/-0.007 χ^2/NDF: 2238199.2/32

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

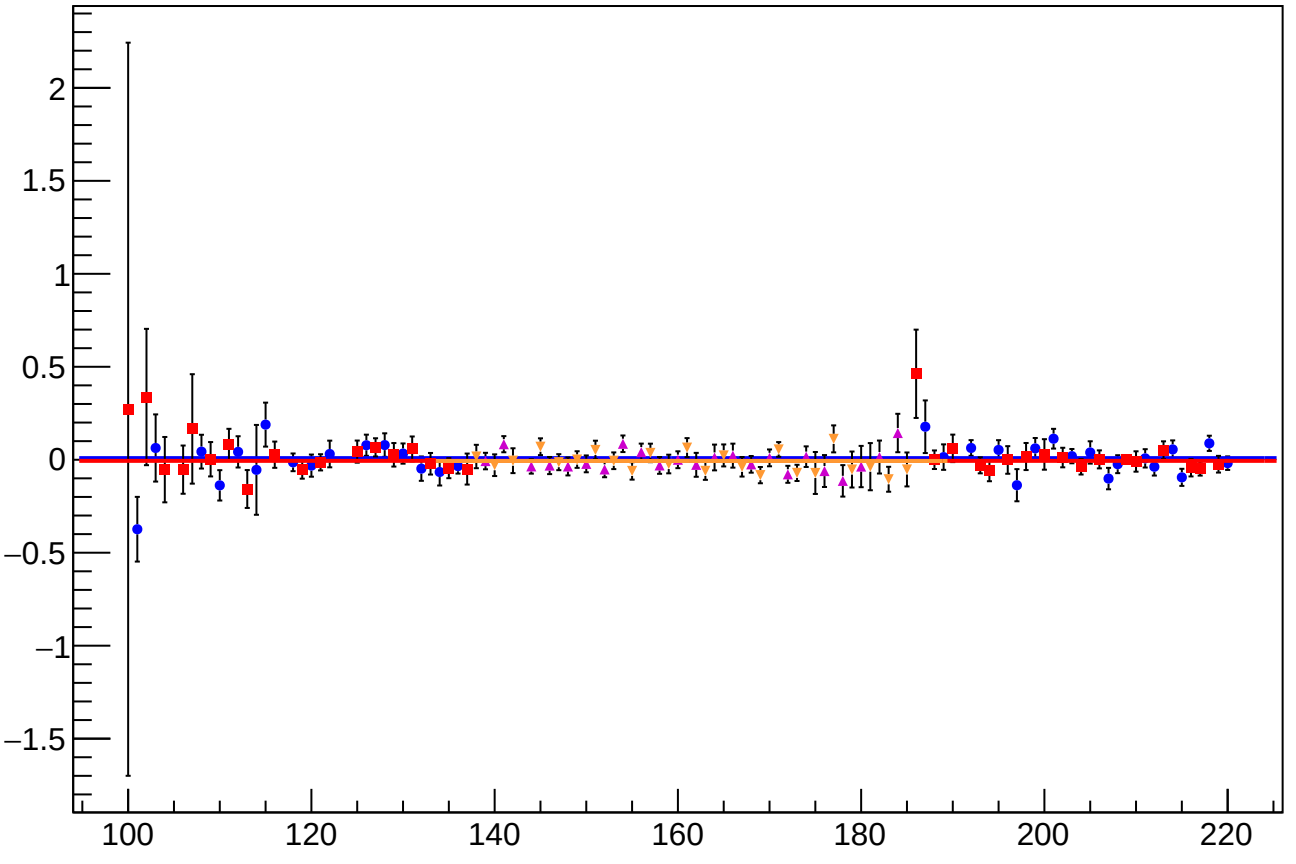
Right Out: 36.343+/-0.007 χ^2/NDF: 4925116.5/34

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.196+/-0.005 χ^2/NDF: 4088869.5/56

All: 39.855+/-0.004 χ^2/NDF: 10805990.6/114

- sign 38.584+/-0.005 χ^2/NDF: 6586871.8/57



Right In: 0.009+/-0.010 χ^2/NDF: 44.6/32

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

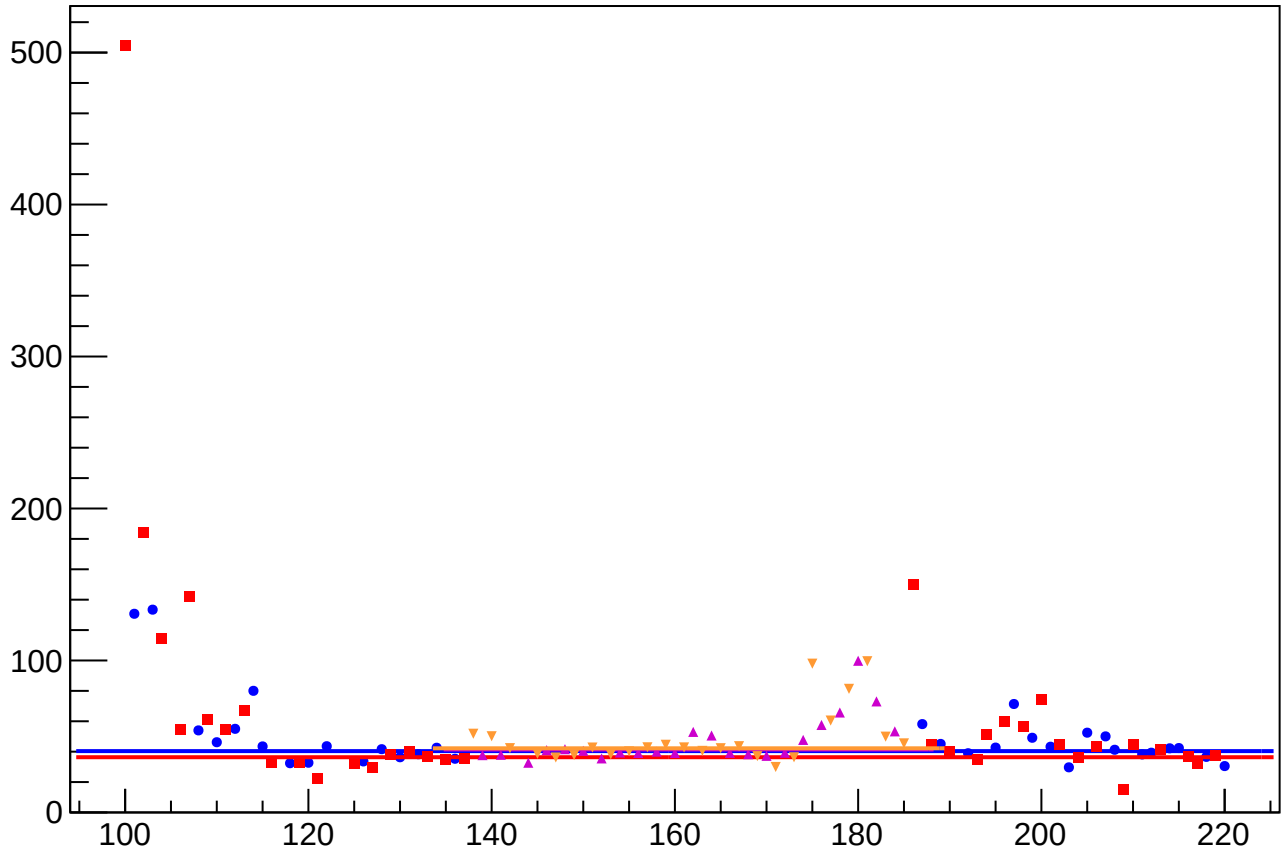
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/34

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.007 χ^2/NDF: 69.6/56

All: -0.002+/-0.005 χ^2/NDF: 111.8/114

- sign -0.006+/-0.007 χ^2/NDF: 41.6/57



Right In: 40.365+/-0.007 χ^2/NDF: 2238199.2/32

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

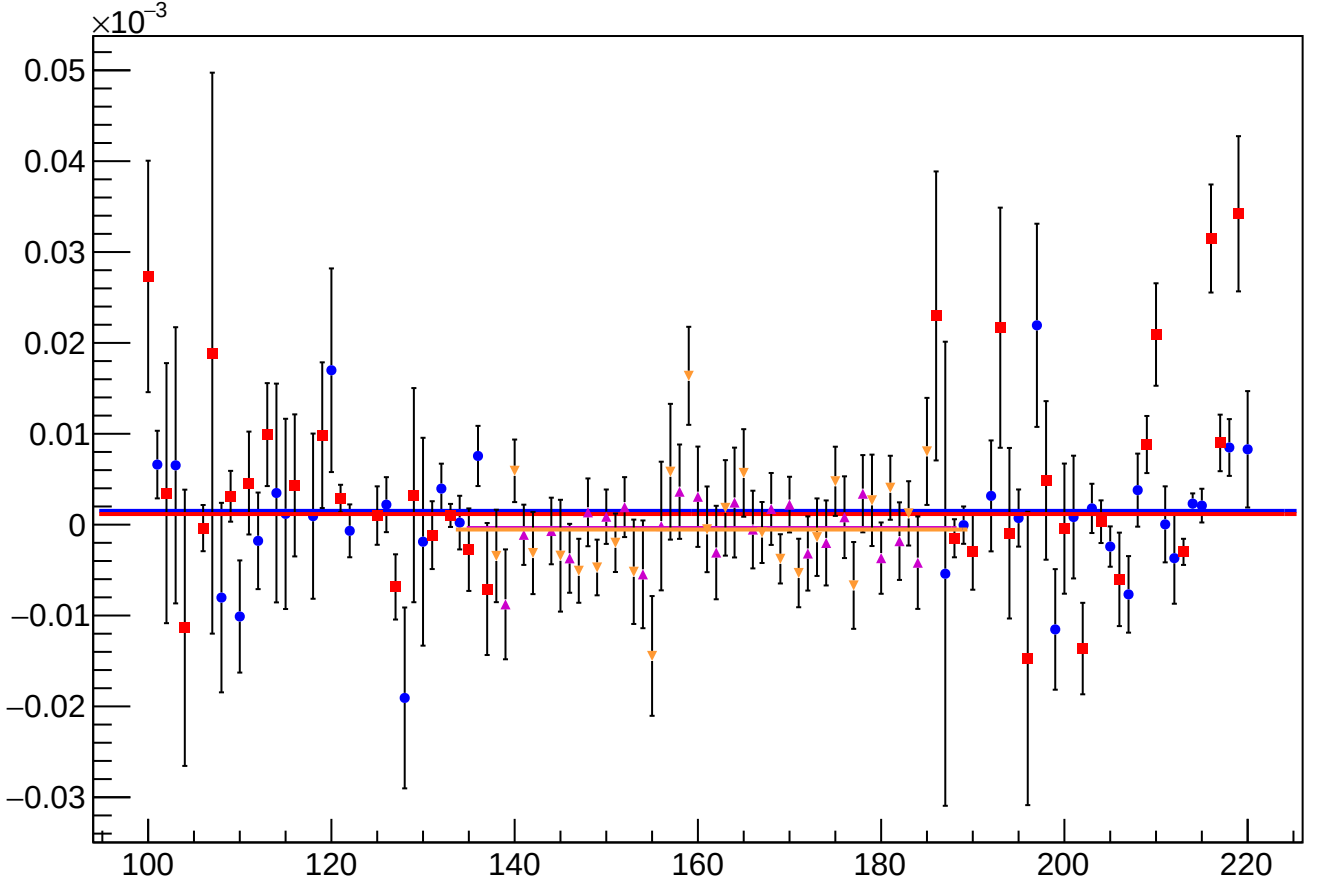
Right Out: 36.343+/-0.007 χ^2/NDF: 4925116.5/34

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.196+/-0.005 χ^2/NDF: 4088869.5/56

All: 39.855+/-0.004 χ^2/NDF: 10805990.6/114

- sign 38.584+/-0.005 χ^2/NDF: 6586871.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 42.1/32

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 111.7/34

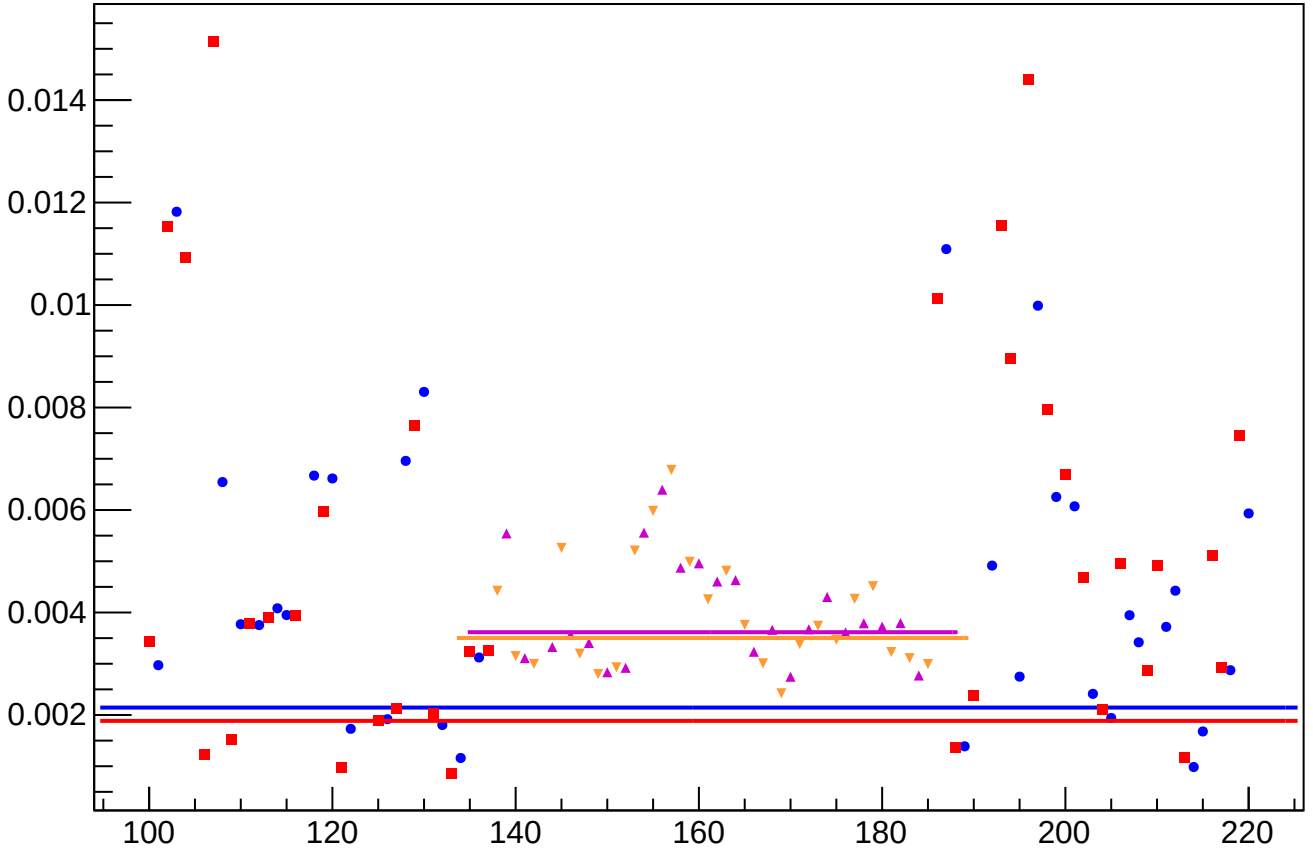
Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.0/56

All: 0.000+/-0.000 χ^2/NDF: 206.6/114

- sign 0.000+/-0.000 χ^2/NDF: 123.6/57

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11830844.5/32

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

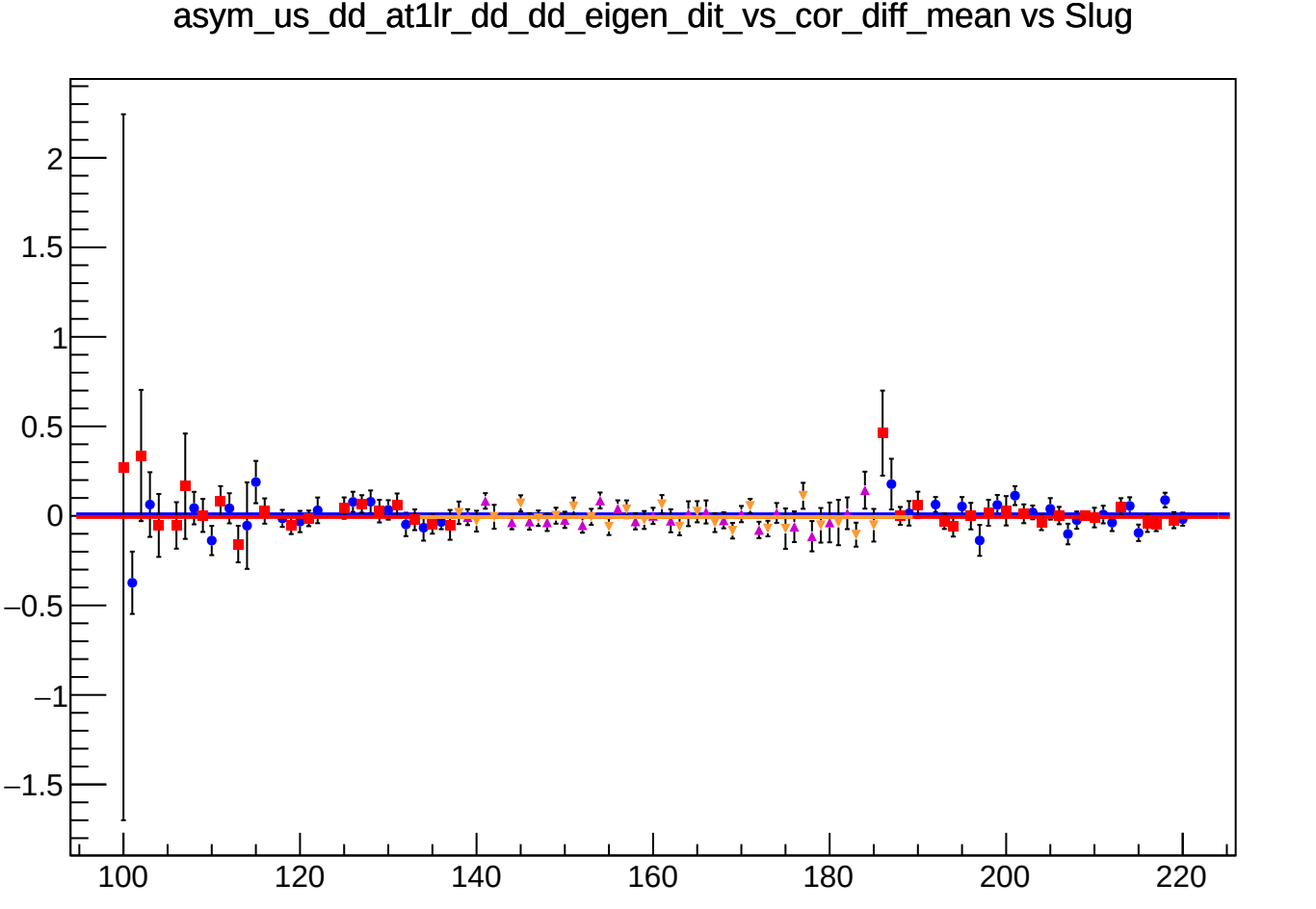
Right Out: 0.002+/-0.000 χ^2/NDF: 16365187.3/34

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 17530761.3/56

All: 0.002+/-0.000 χ^2/NDF: 41266284.1/114

- sign 0.002+/-0.000 χ^2/NDF: 23582859.6/57



Right In: 0.009+/-0.010 χ^2/NDF: 44.6/32

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

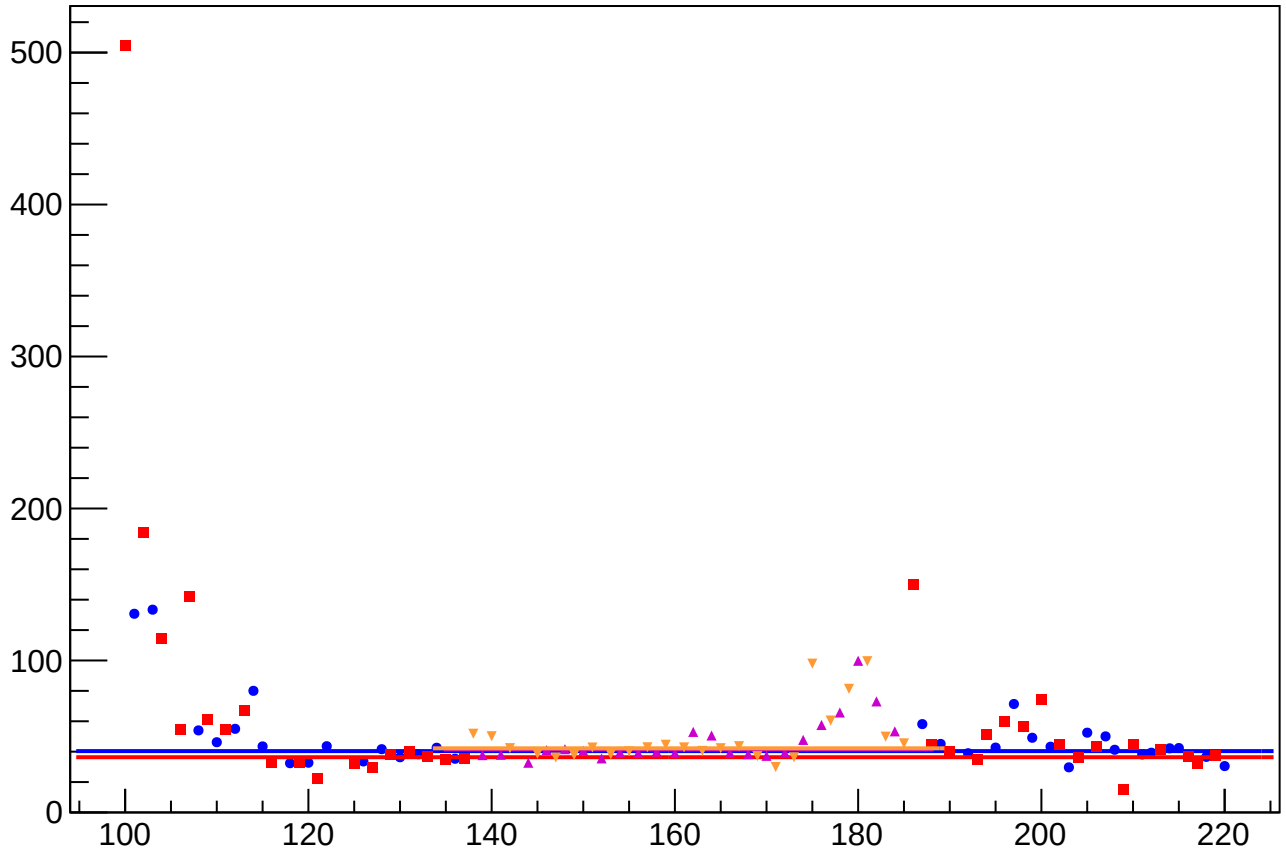
Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/34

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.007 χ^2/NDF: 69.6/56

All: -0.002+/-0.005 χ^2/NDF: 111.8/114

- sign -0.006+/-0.007 χ^2/NDF: 41.6/57



Right In: 40.365+/-0.007 χ^2/NDF: 2238151.8/32

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

Right Out: 36.346+/-0.007 χ^2/NDF: 4922613.0/34

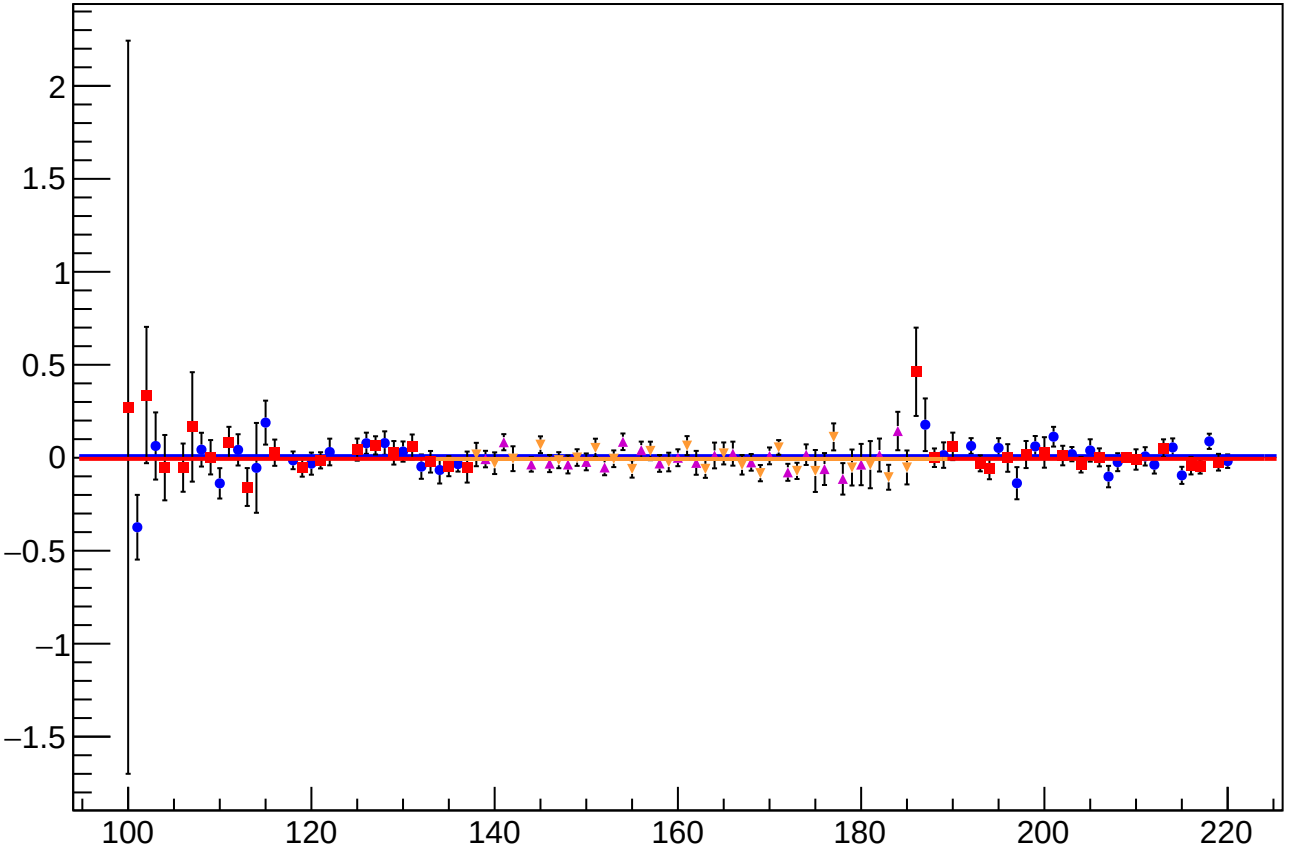
Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.196+/-0.005 χ^2/NDF: 4088815.6/56

All: 39.856+/-0.004 χ^2/NDF: 10802853.5/114

- sign 38.586+/-0.005 χ^2/NDF: 6583975.5/57

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.009+/-0.010 χ^2/NDF: 44.6/32

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.006+/-0.010 χ^2/NDF: 21.5/34

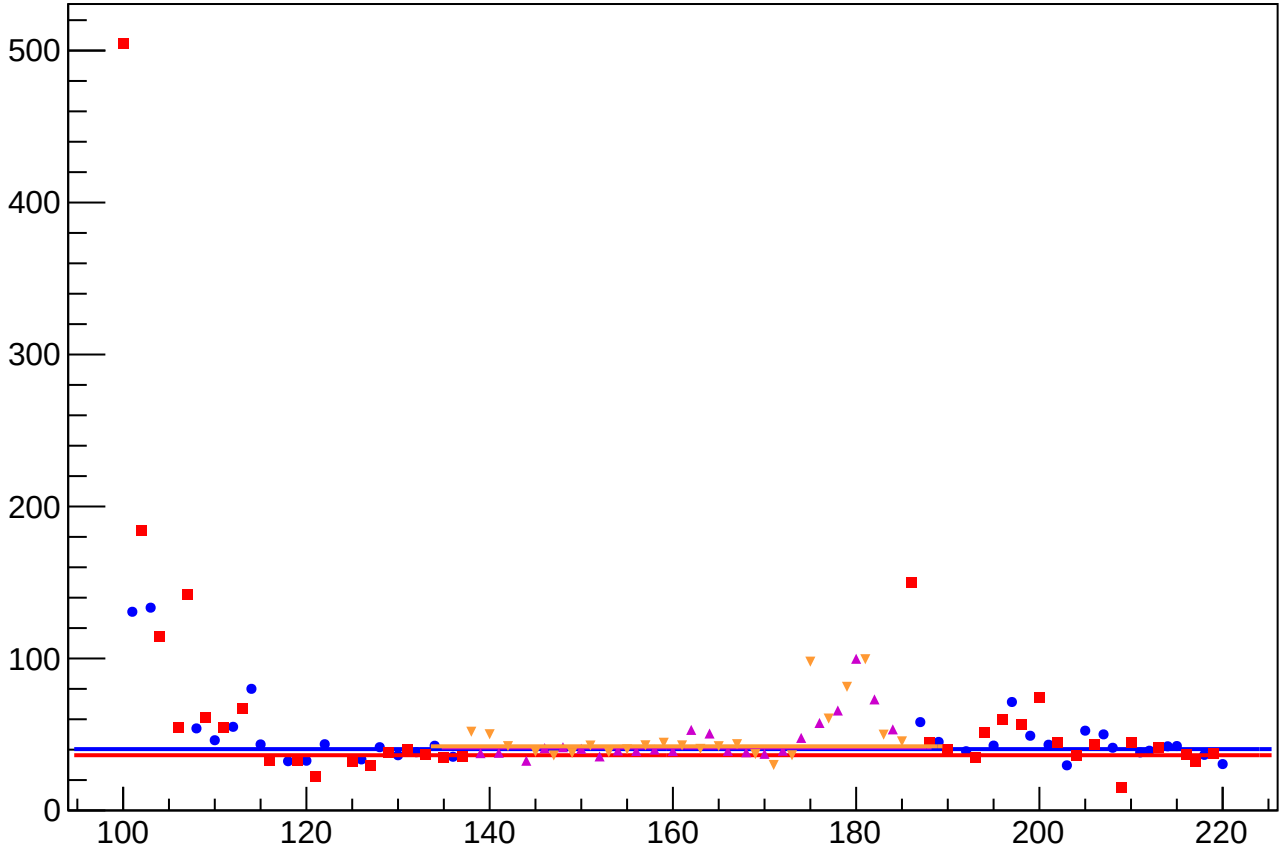
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.002+/-0.007 χ^2/NDF: 69.6/56

All: -0.002+/-0.005 χ^2/NDF: 111.8/114

- sign -0.006+/-0.007 χ^2/NDF: 41.6/57

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 40.365+/-0.007 χ^2/NDF: 2238151.8/32

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

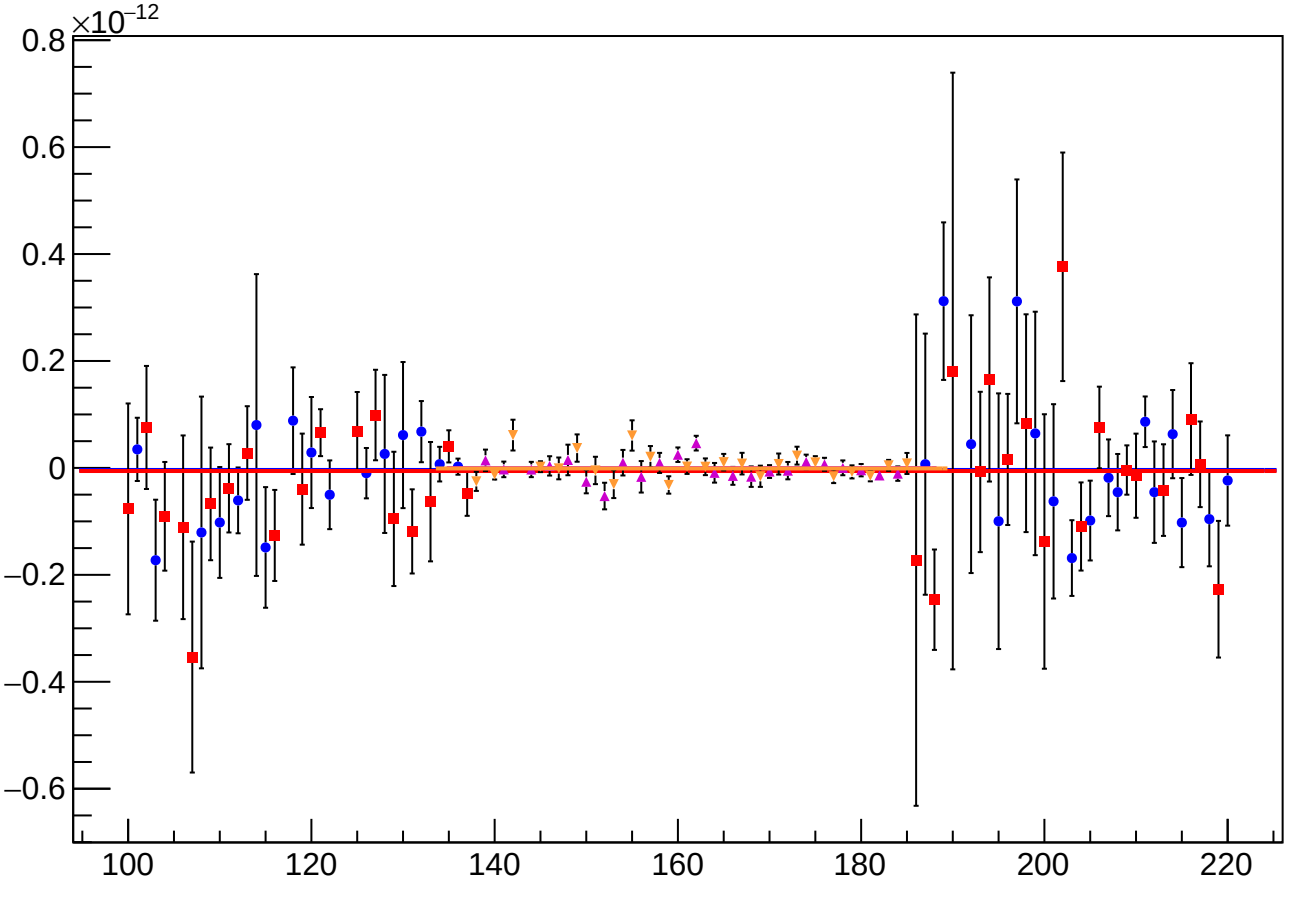
Right Out: 36.346+/-0.007 χ^2/NDF: 4922613.0/34

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.196+/-0.005 χ^2/NDF: 4088815.6/56

All: 39.856+/-0.004 χ^2/NDF: 10802853.5/114

- sign 38.586+/-0.005 χ^2/NDF: 6583975.5/57



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

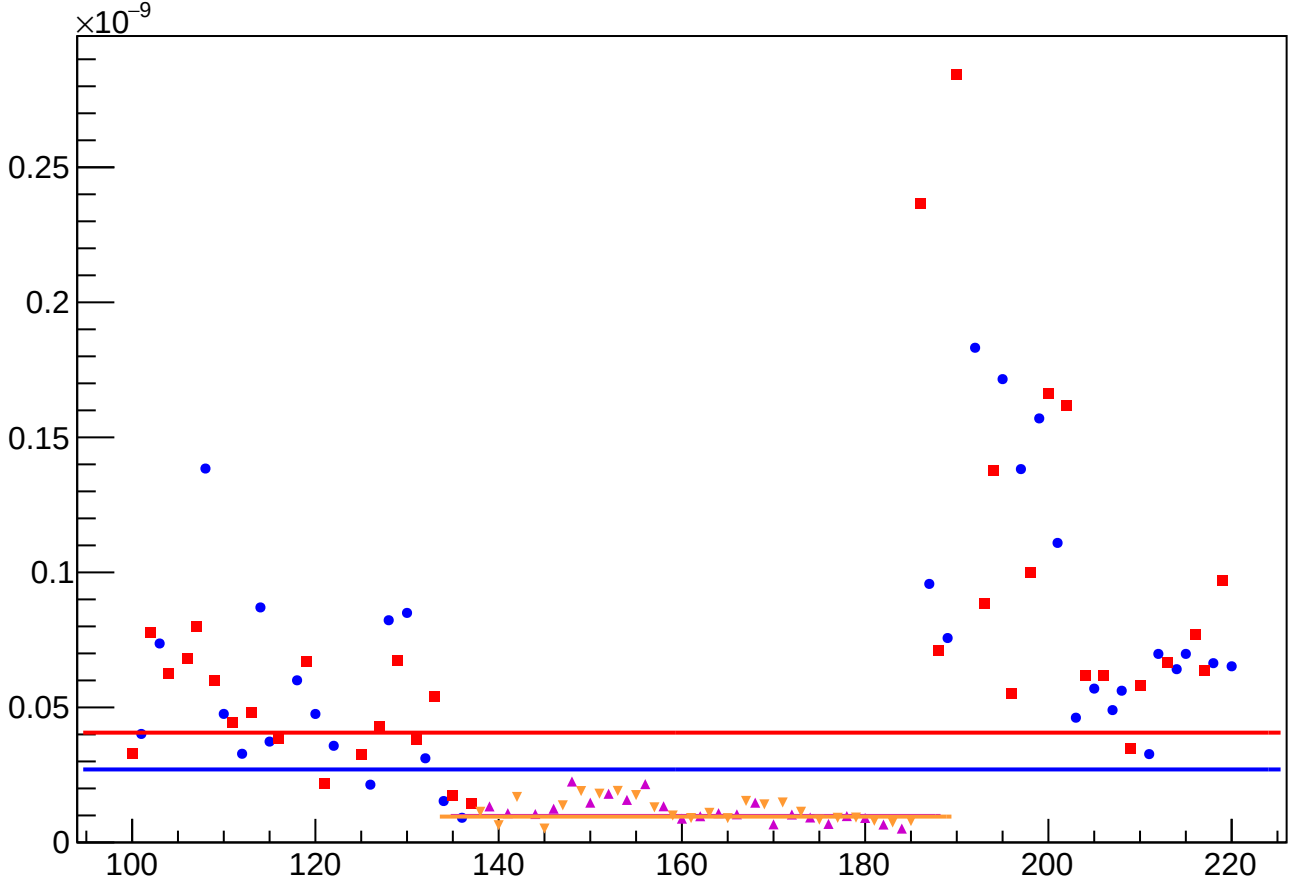
Right Out: -0.000+/-0.000 χ^2/NDF: 36.6/34

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.8/56

All: -0.000+/-0.000 χ^2/NDF: 126.0/114

- sign -0.000+/-0.000 χ^2/NDF: 65.1/57



Right In: 0.000+/-0.000 χ^2/NDF: 11791298.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7637434.5/34

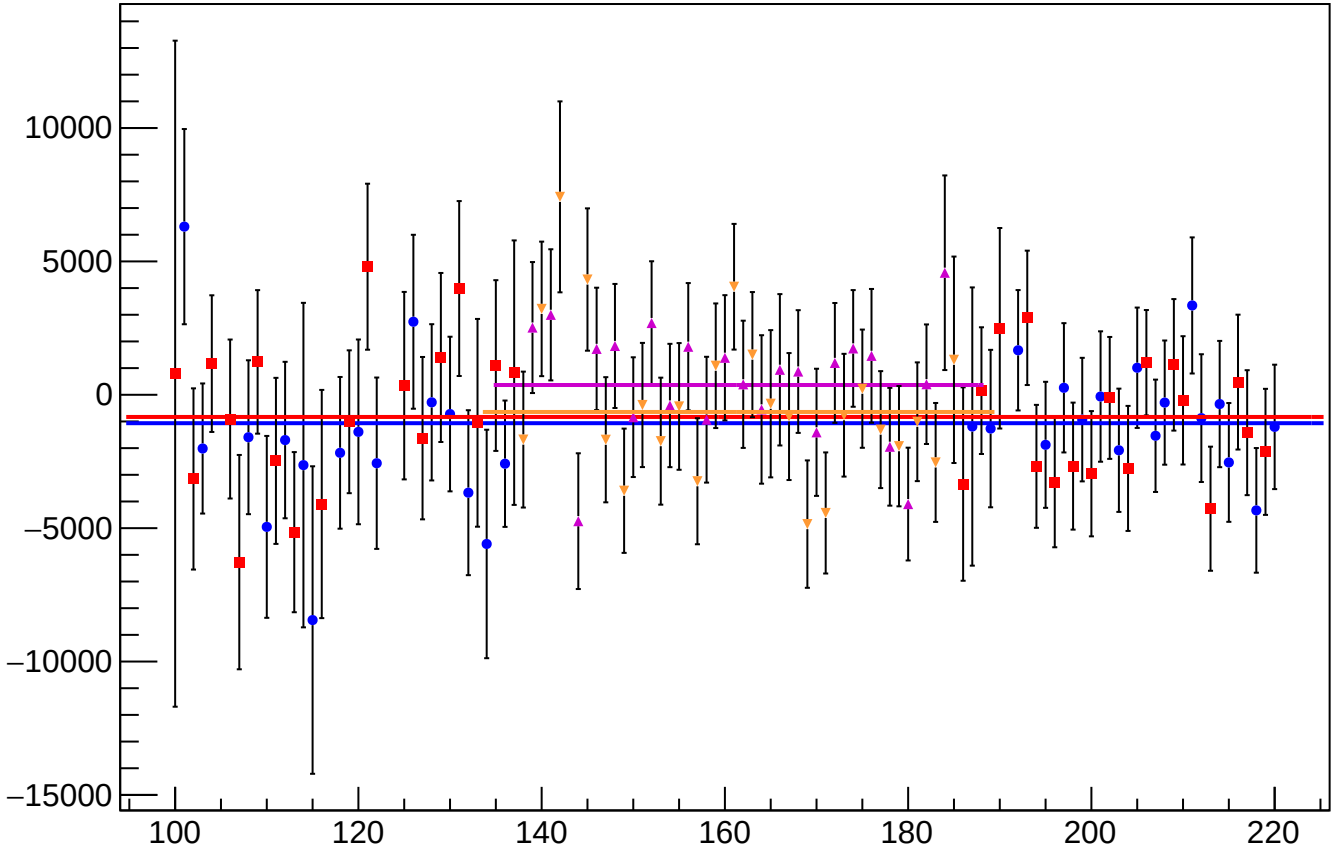
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 19570443.8/56

All: 0.000+/-0.000 χ^2/NDF: 39229848.8/114

- sign 0.000+/-0.000 χ^2/NDF: 19641537.9/57

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1064.848+/-470.673 χ^2/NDF: 20.1/32

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -831.091+/-470.288 χ^2/NDF: 25.1/34

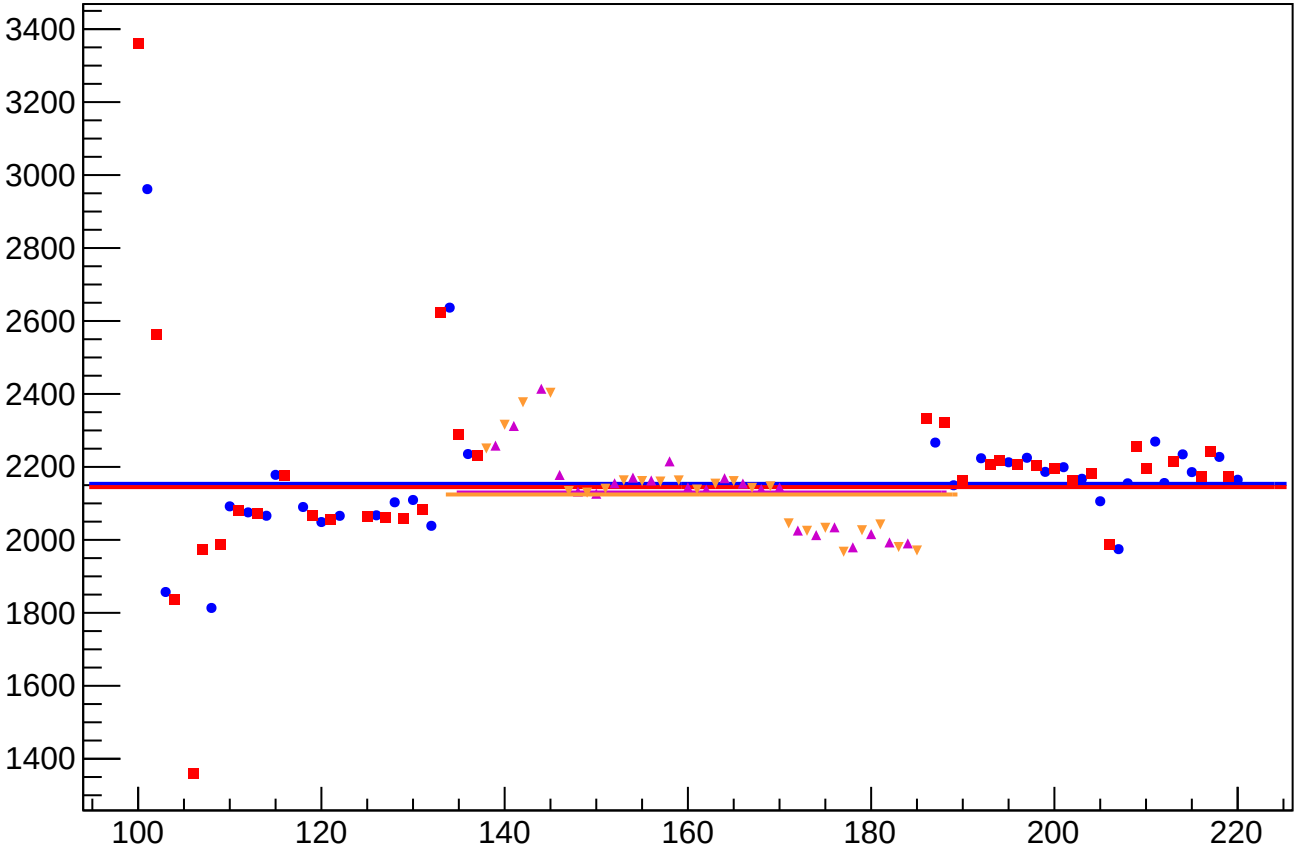
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -864.369+/-340.660 χ^2/NDF: 47.6/56

All: -566.408+/-241.316 χ^2/NDF: 94.6/114

- sign -266.296+/-341.887 χ^2/NDF: 45.4/57

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2153.589+/-0.333 χ^2/NDF: 226039.6/32

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

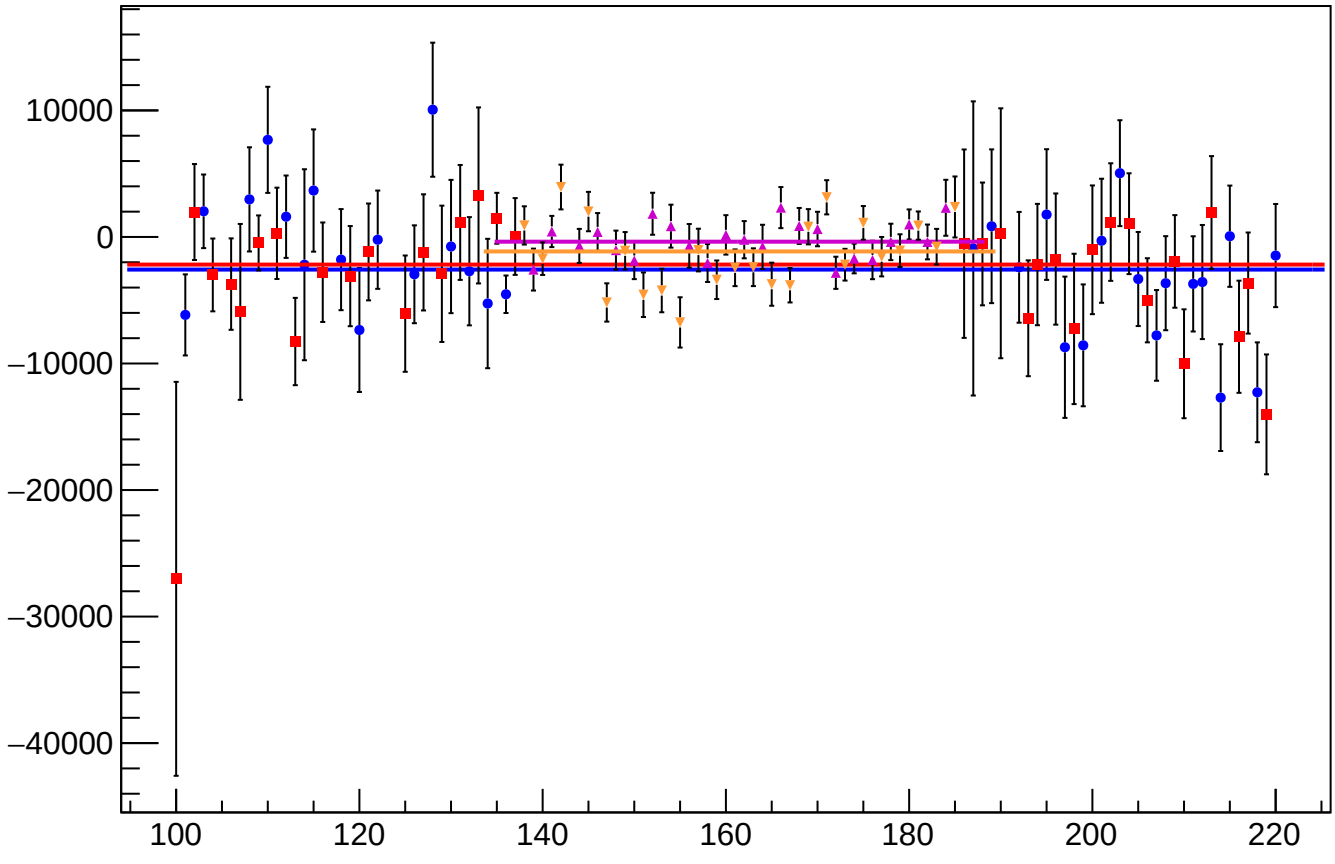
Right Out: 2144.648+/-0.333 χ^2/NDF: 319653.9/34

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2139.708+/-0.241 χ^2/NDF: 318876.9/56

All: 2138.704+/-0.171 χ^2/NDF: 724847.8/114

- sign 2137.693+/-0.242 χ^2/NDF: 405936.1/57



Right In: -2577.666+/-669.923 χ^2/NDF: 46.1/32

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

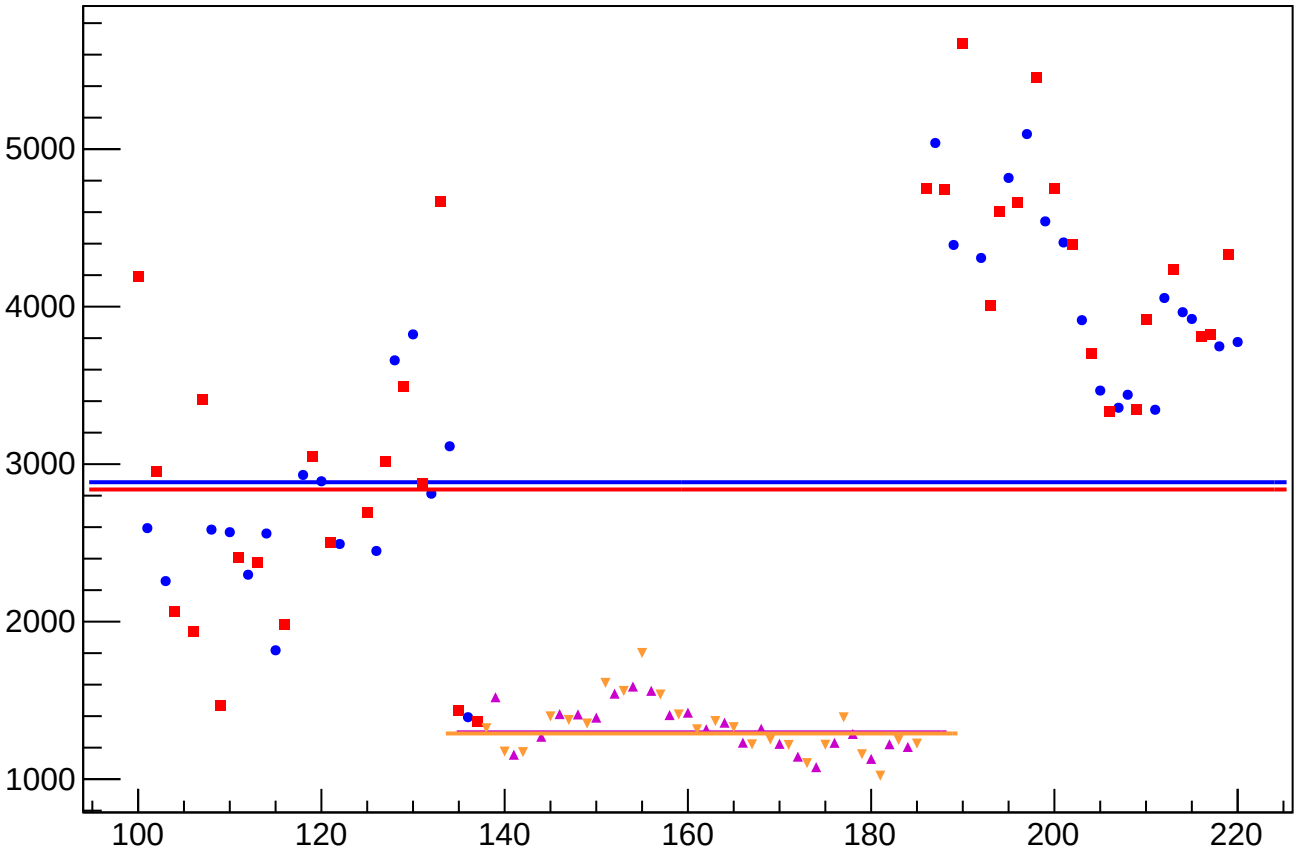
Right Out: -2183.425+/-671.296 χ^2/NDF: 30.4/34

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1387.469+/-275.688 χ^2/NDF: 117.4/56

All: -1038.465+/-195.742 χ^2/NDF: 177.3/114

- sign -683.664+/-277.968 χ^2/NDF: 56.7/57



Right In: 2885.234+/-0.474 χ^2/NDF: 4781657.0/32

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2839.054+/-0.475 χ^2/NDF: 5952313.2/34

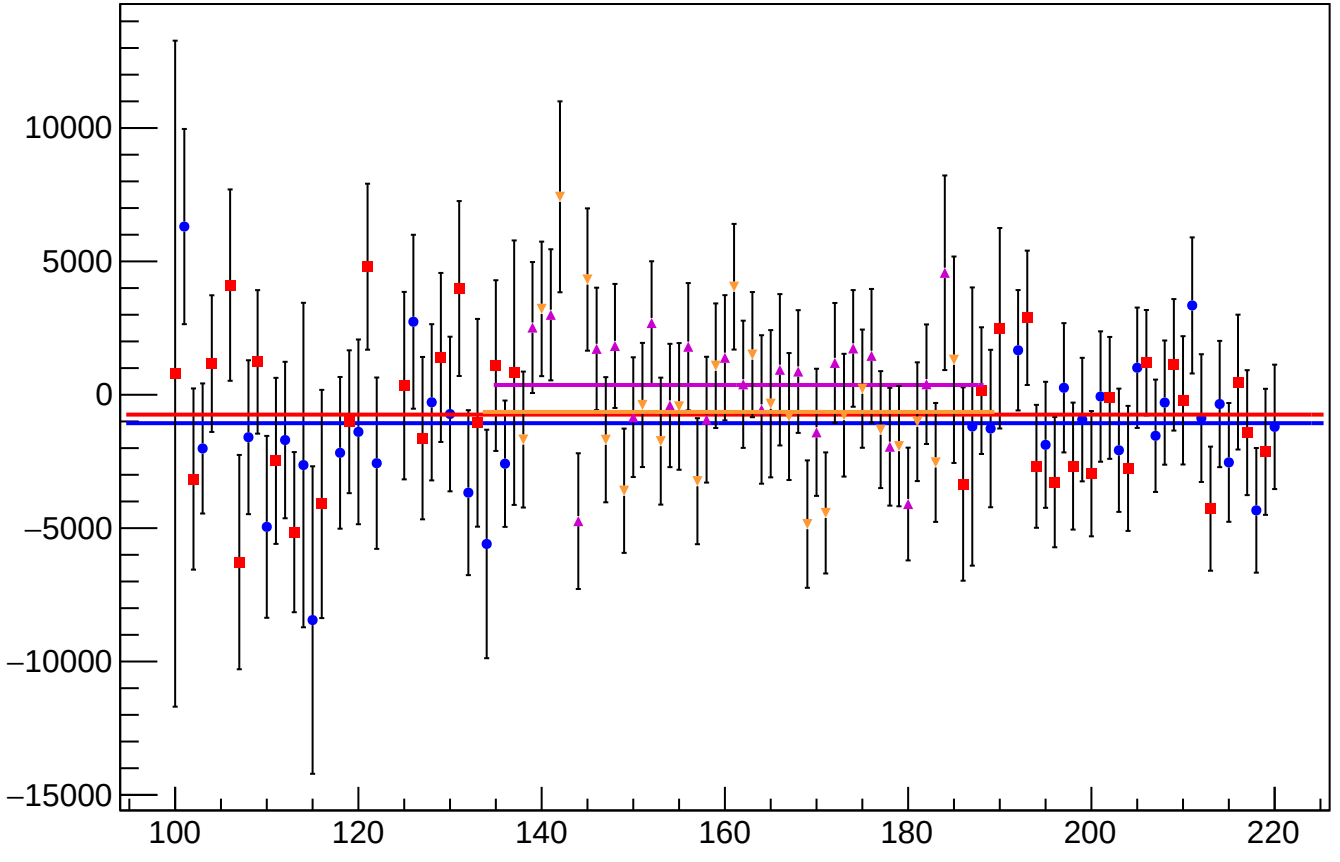
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1560.177+/-0.195 χ^2/NDF: 14769173.3/56

All: 1560.970+/-0.138 χ^2/NDF: 29894447.0/1

- sign 1561.776+/-0.197 χ^2/NDF: 15125240.3/57

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1064.865+/-470.673 χ^2/NDF: 20.1/32

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -743.633+/-472.114 χ^2/NDF: 26.9/34

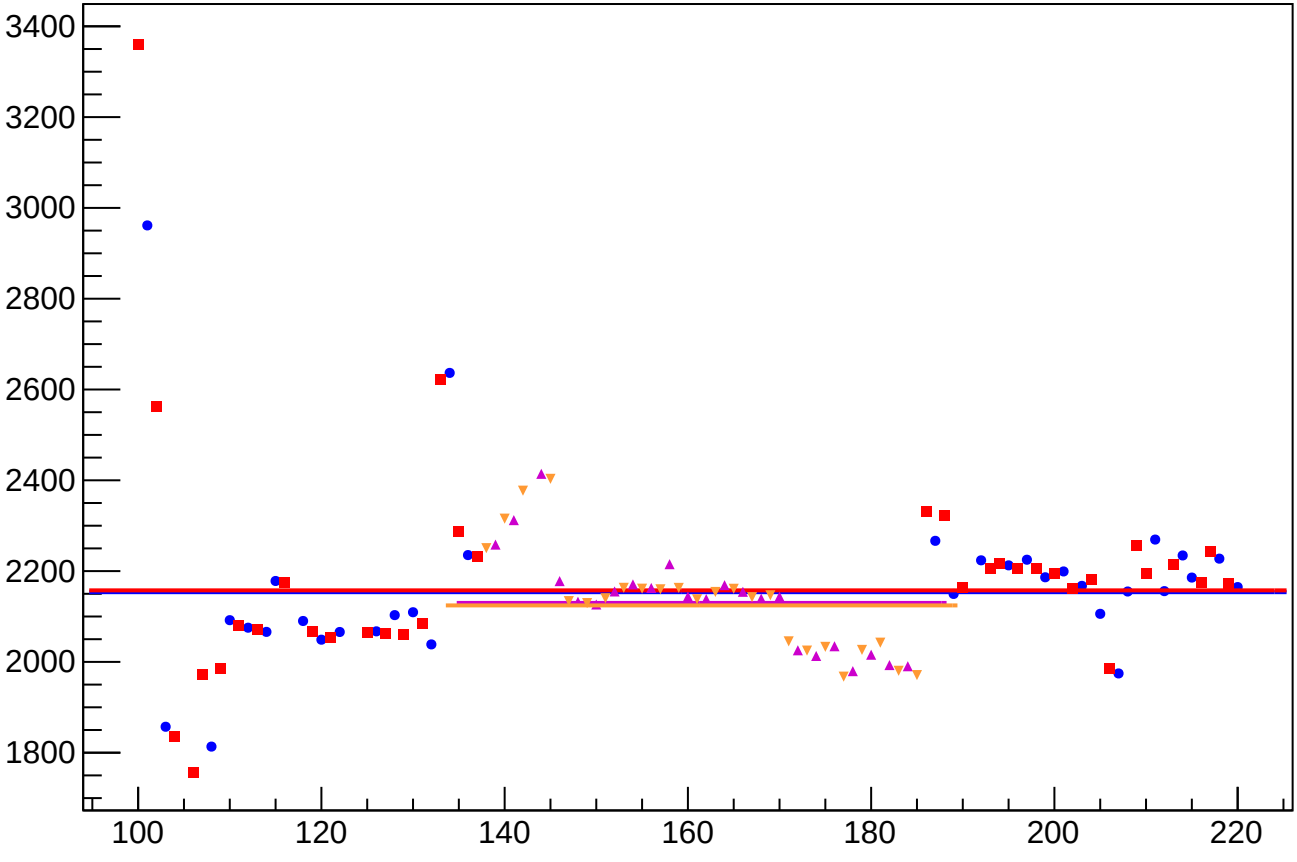
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -864.313+/-340.660 χ^2/NDF: 47.6/56

All: -542.971+/-241.561 χ^2/NDF: 96.3/114

- sign -217.982+/-342.587 χ^2/NDF: 46.9/57

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2153.589+/-0.333 χ^2/NDF: 226039.9/32

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

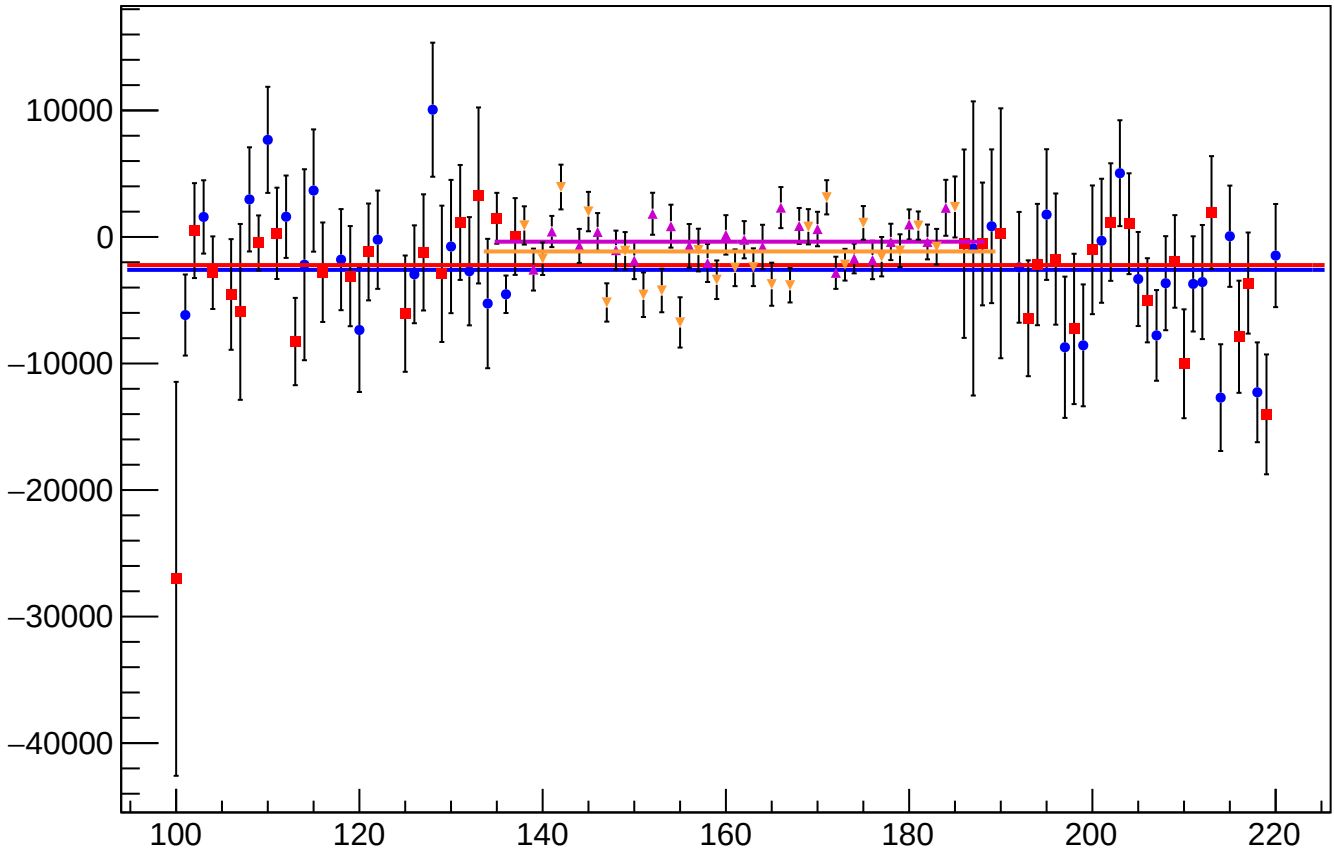
Right Out: 2157.590+/-0.334 χ^2/NDF: 203263.2/34

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2139.708+/-0.241 χ^2/NDF: 318877.2/56

All: 2142.080+/-0.171 χ^2/NDF: 610948.0/114

- sign 2144.479+/-0.242 χ^2/NDF: 291875.7/57



Right In: -2600.270+/-669.787 χ^2/NDF: 45.6/32

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

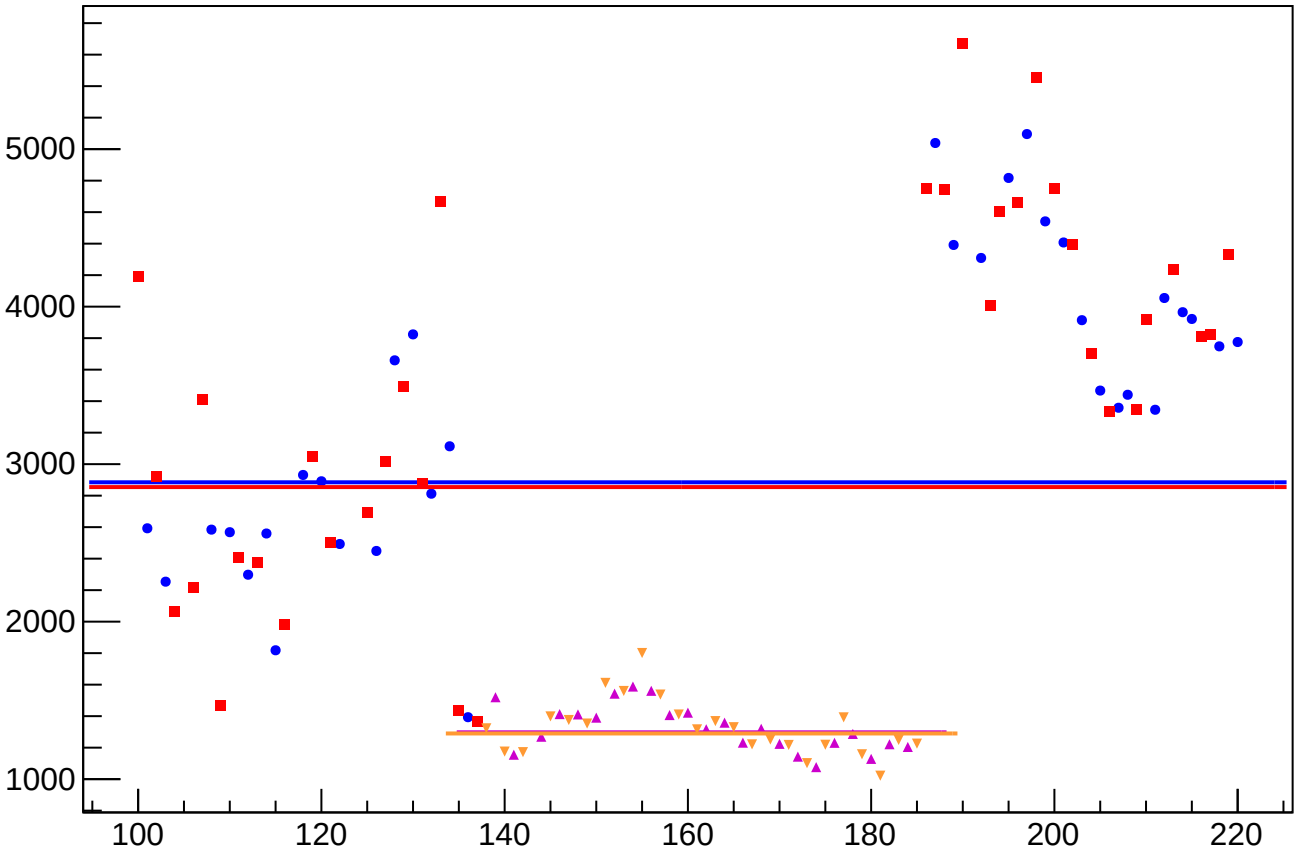
Right Out: -2220.950+/-674.672 χ^2/NDF: 29.8/34

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

\+ sign -1391.353+/-275.680 χ^2/NDF: 117.1/56

All: -1042.577+/-195.822 χ^2/NDF: 176.6/114

\- sign -687.379+/-278.207 χ^2/NDF: 56.3/57



Right In: 2884.756+/-0.474 χ^2/NDF: 4783485.7/32

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

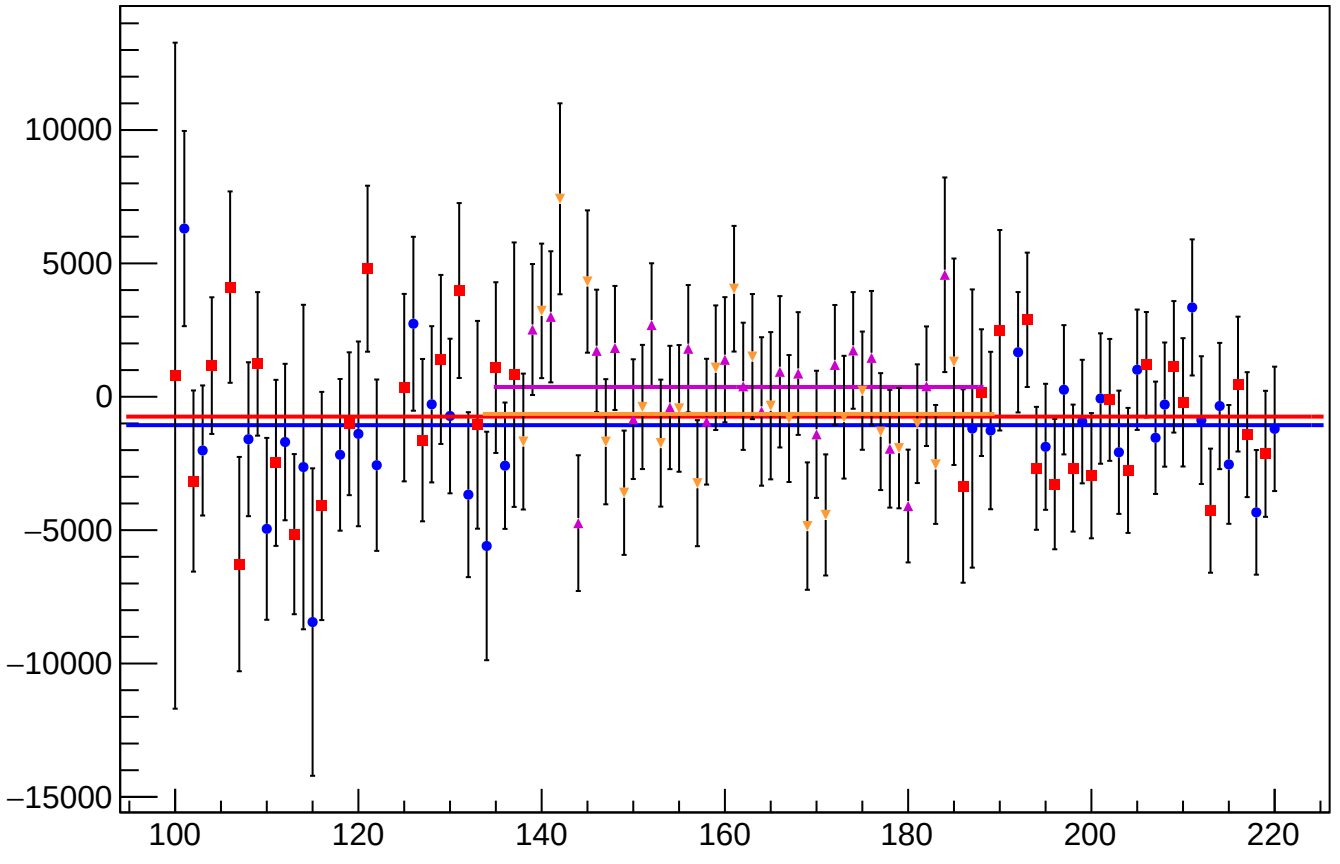
Right Out: 2854.373+/-0.477 χ^2/NDF: 5868684.9/34

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1560.200+/-0.195 χ^2/NDF: 14768314.9/56

All: 1561.188+/-0.138 χ^2/NDF: 29910655.0/1

- sign 1562.195+/-0.197 χ^2/NDF: 15142288.3/57



Right In: -1064.865+/-470.673 χ^2/NDF: 20.1/32

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -743.633+/-472.114 χ^2/NDF: 26.9/34

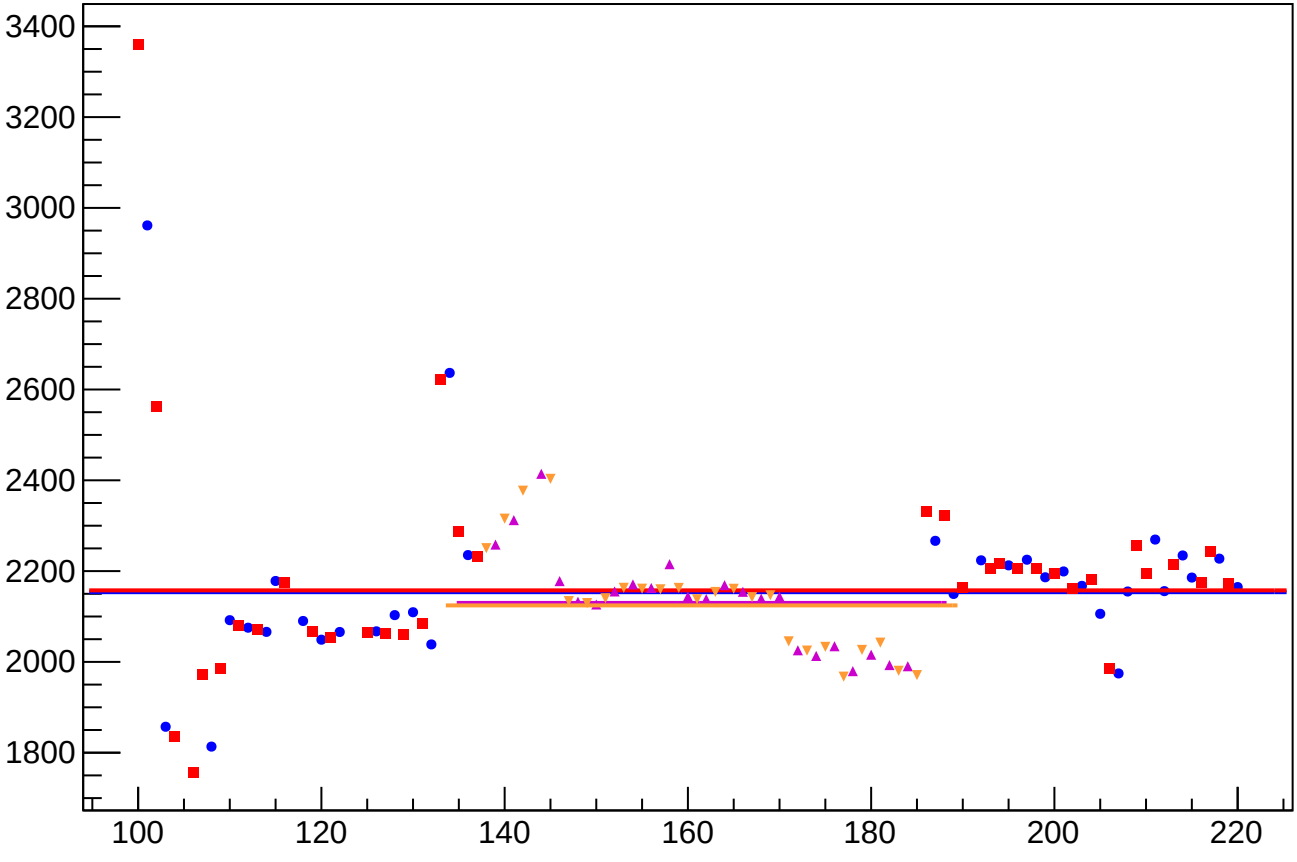
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -864.313+/-340.660 χ^2/NDF: 47.6/56

All: -542.971+/-241.561 χ^2/NDF: 96.3/114

- sign -217.982+/-342.587 χ^2/NDF: 46.9/57

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2153.589+/-0.333 χ^2/NDF: 226039.9/32

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

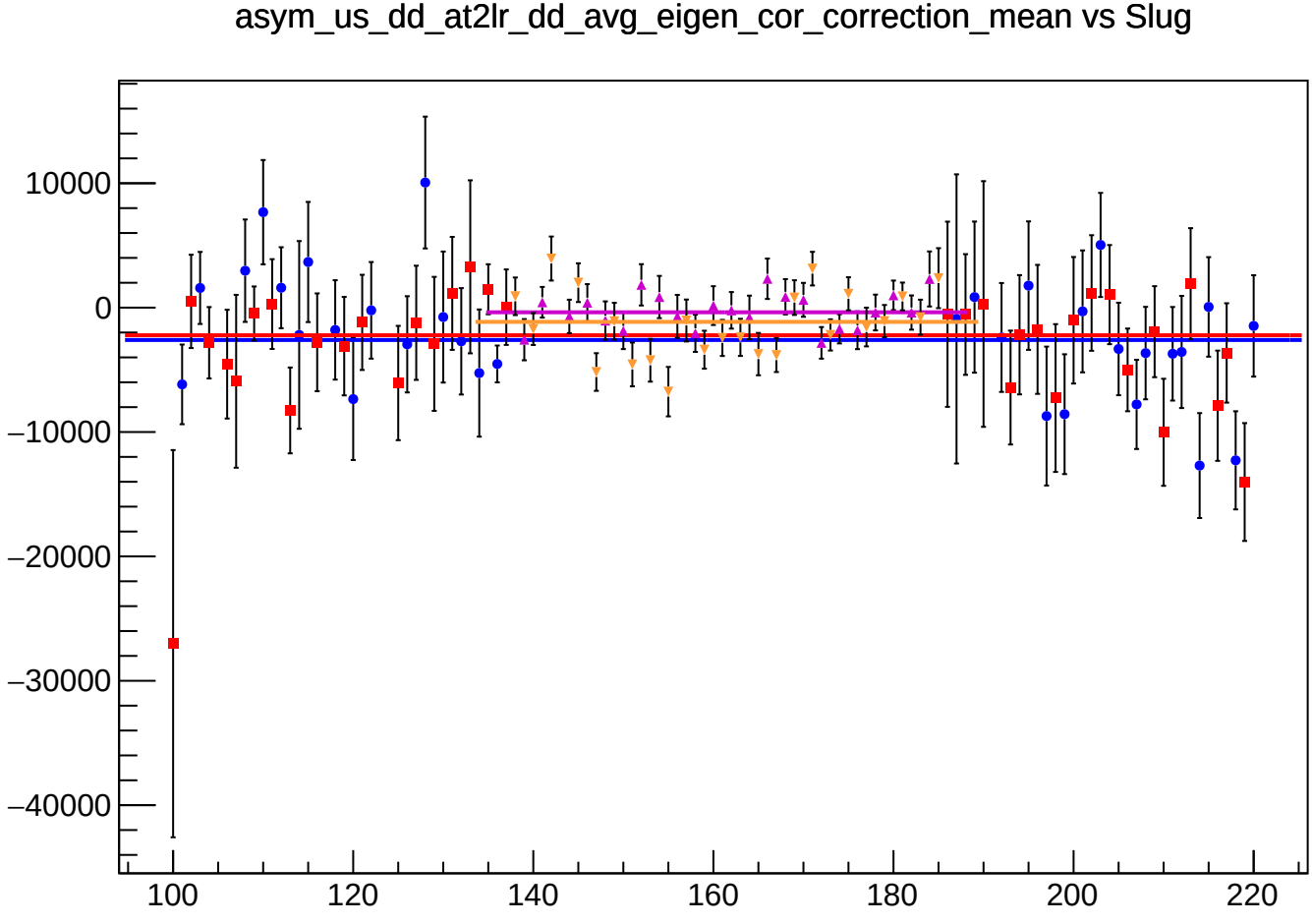
Right Out: 2157.590+/-0.334 χ^2/NDF: 203263.2/34

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2139.708+/-0.241 χ^2/NDF: 318877.2/56

All: 2142.080+/-0.171 χ^2/NDF: 610948.0/114

- sign 2144.479+/-0.242 χ^2/NDF: 291875.7/57



Right In: -2600.270+/-669.787 χ^2/NDF: 45.6/32

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

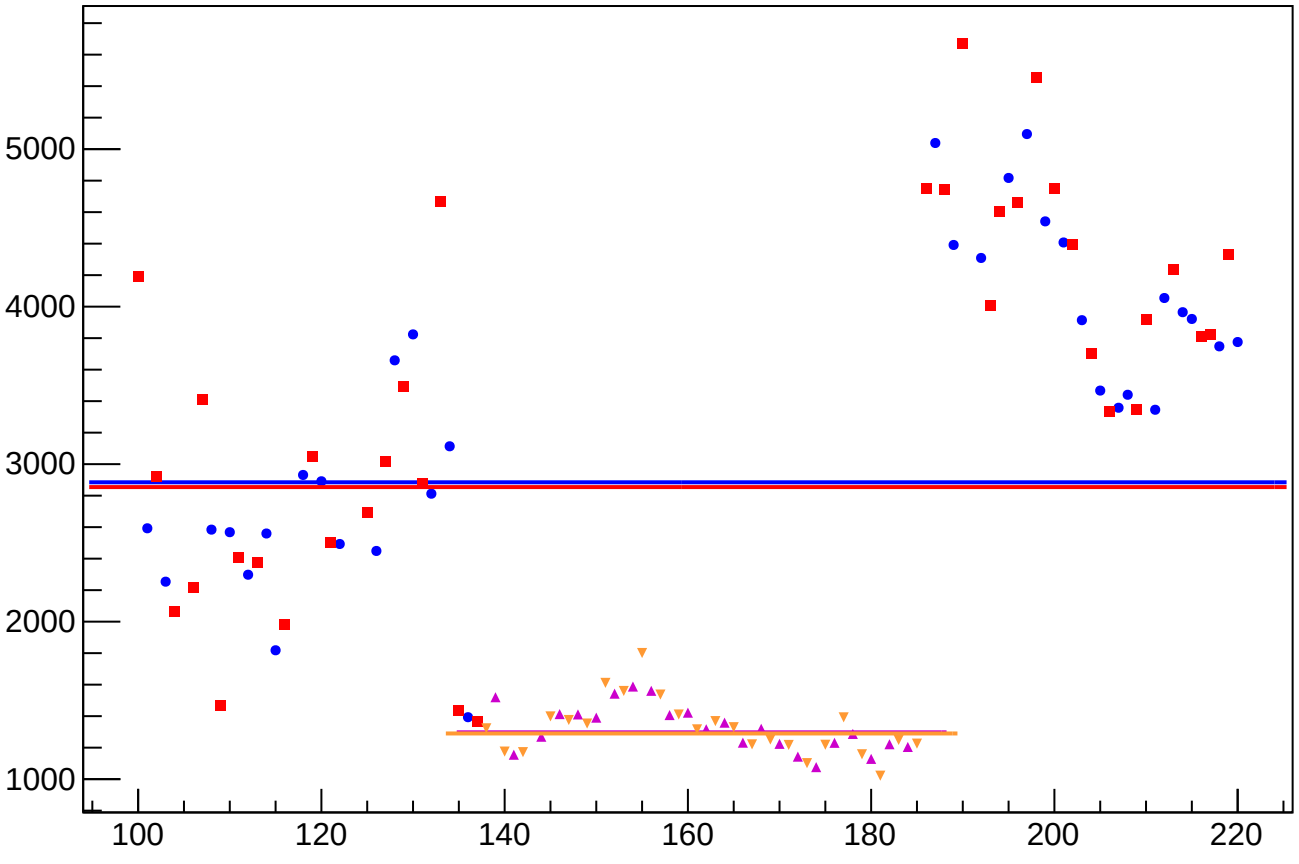
Right Out: -2220.950+/-674.672 χ^2/NDF: 29.8/34

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1391.353+/-275.680 χ^2/NDF: 117.1/56

All: -1042.577+/-195.822 χ^2/NDF: 176.6/114

- sign -687.379+/-278.207 χ^2/NDF: 56.3/57



Right In: 2884.756+/-0.474 χ^2/NDF: 4783485.7/32

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2854.373+/-0.477 χ^2/NDF: 5868684.9/34

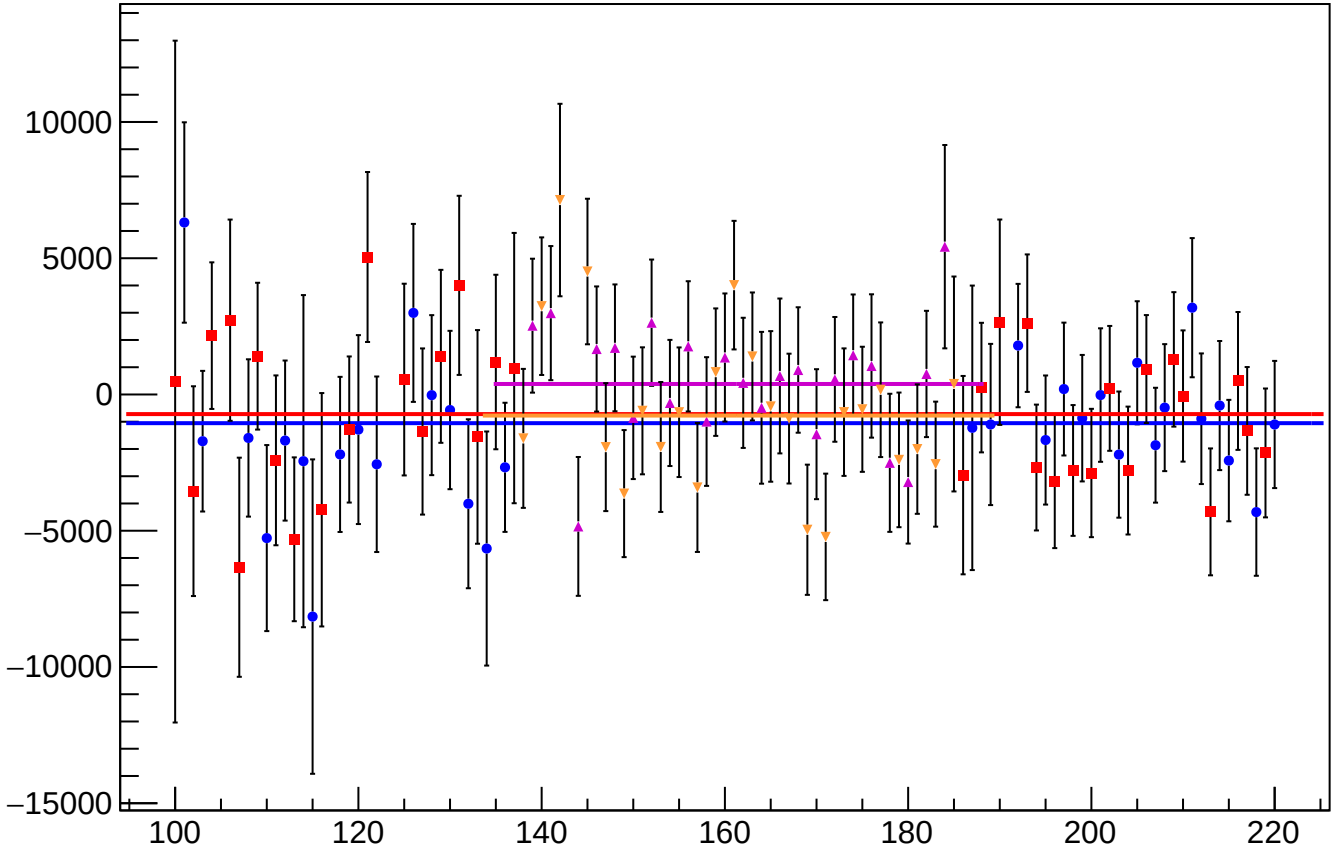
Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1560.200+/-0.195 χ^2/NDF: 14768314.9/56

All: 1561.188+/-0.138 χ^2/NDF: 29910655.0/1

- sign 1562.195+/-0.197 χ^2/NDF: 15142288.3/57

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1052.644+/-472.418 χ^2/NDF: 20.5/32

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -719.715+/-475.003 χ^2/NDF: 27.0/34

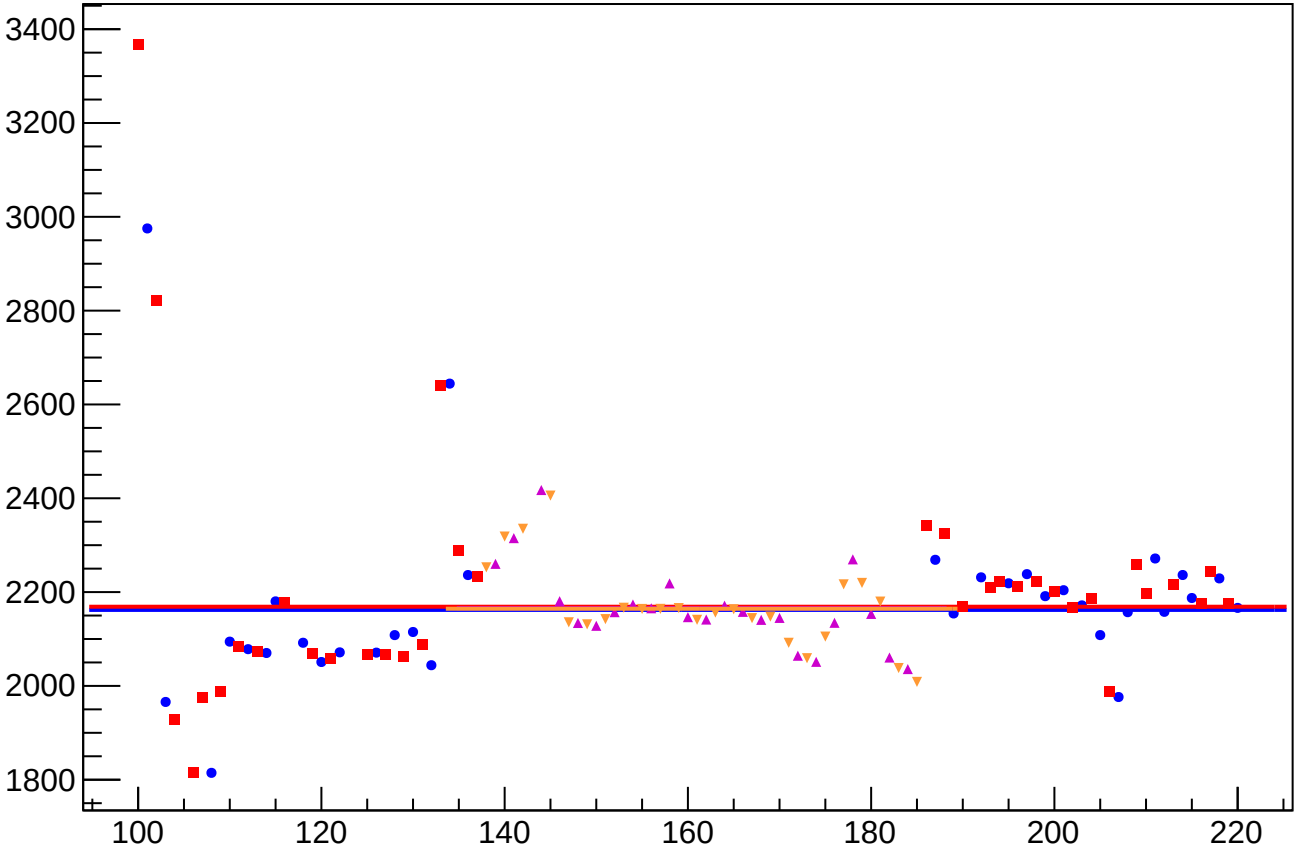
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -921.802+/-344.295 χ^2/NDF: 49.3/56

All: -564.106+/-244.171 χ^2/NDF: 96.6/114

- sign -202.159+/-346.334 χ^2/NDF: 45.1/57

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2161.990+/-0.334 χ^2/NDF: 209929.4/32

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

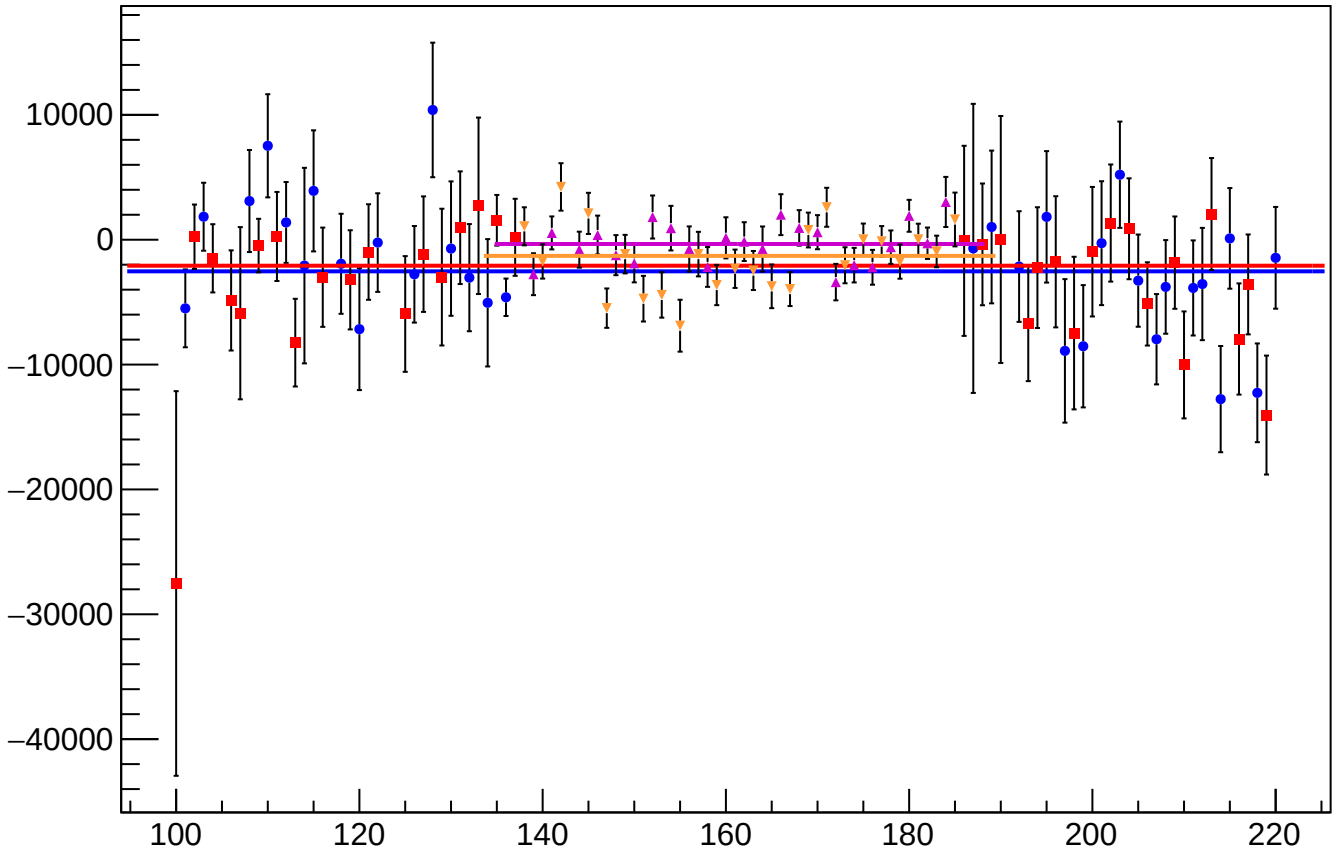
Right Out: 2168.806+/-0.336 χ^2/NDF: 211205.9/34

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2163.182+/-0.243 χ^2/NDF: 260632.8/56

All: 2165.241+/-0.173 χ^2/NDF: 524148.7/114

- sign 2167.325+/-0.245 χ^2/NDF: 263371.9/57



Right In: -2531.635+/-670.847 χ^2/NDF: 46.1/32

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

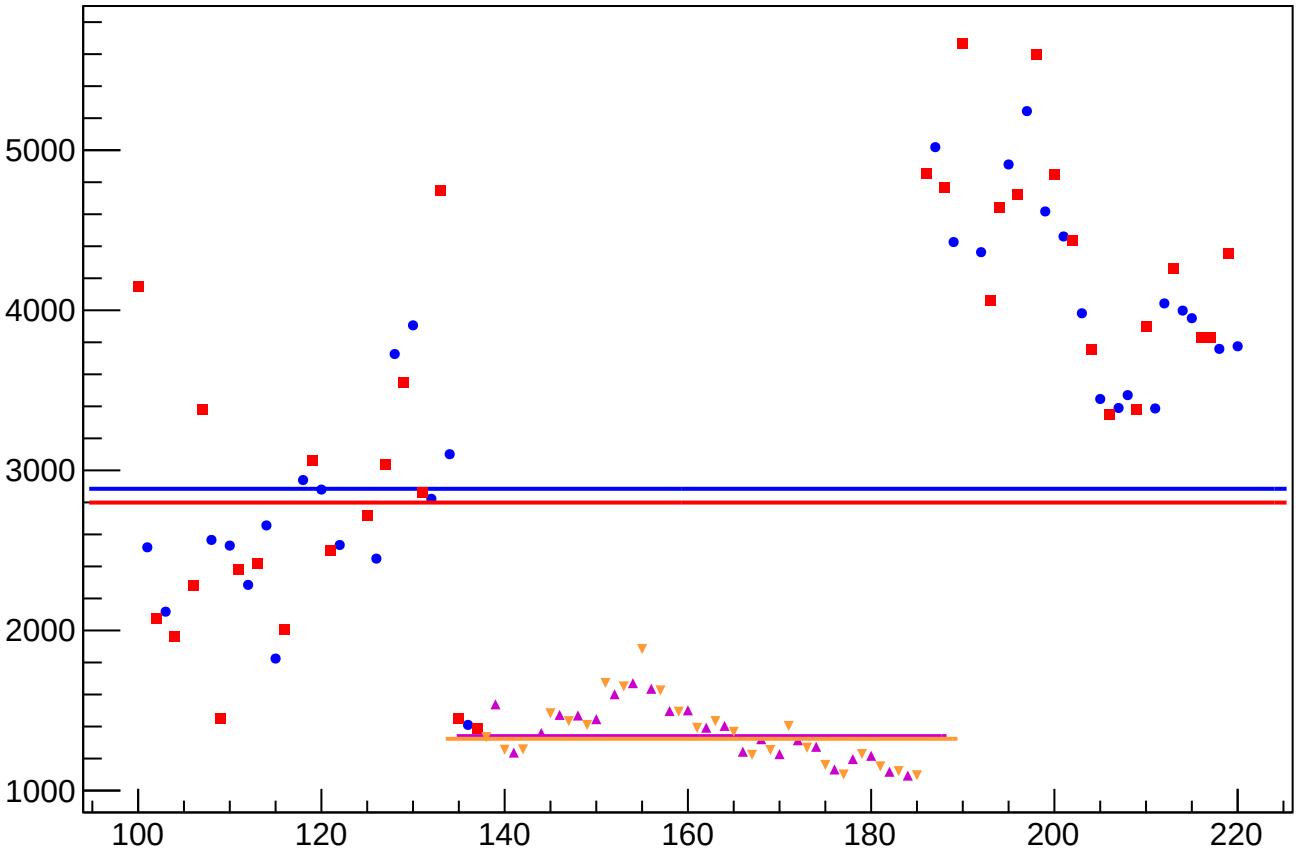
Right Out: -2080.611+/-662.564 χ^2/NDF: 30.6/34

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1512.265+/-281.872 χ^2/NDF: 107.6/56

All: -1092.106+/-200.376 χ^2/NDF: 173.0/114

- sign -662.864+/-284.902 χ^2/NDF: 60.9/57



Right In: 2884.967+/-0.474 χ^2/NDF: 4890038.3/32

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

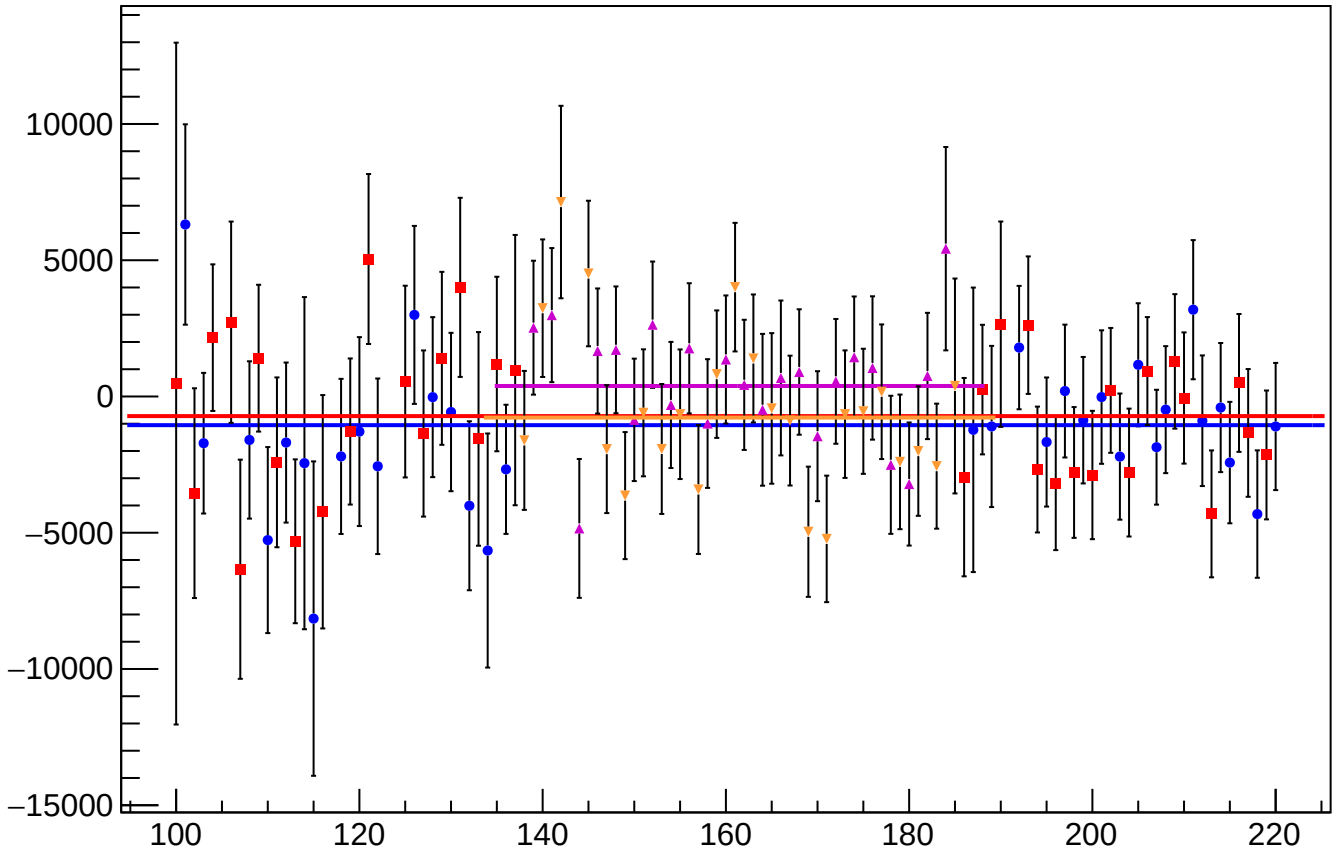
Right Out: 2798.905+/-0.469 χ^2/NDF: 6185567.7/34

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1599.089+/-0.199 χ^2/NDF: 14477537.7/56

All: 1604.397+/-0.142 χ^2/NDF: 29061753.9/1

- sign 1609.820+/-0.201 χ^2/NDF: 14582782.5/57



Right In: -1052.636+/-472.417 χ^2/NDF: 20.5/32

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -719.707+/-475.003 χ^2/NDF: 27.0/34

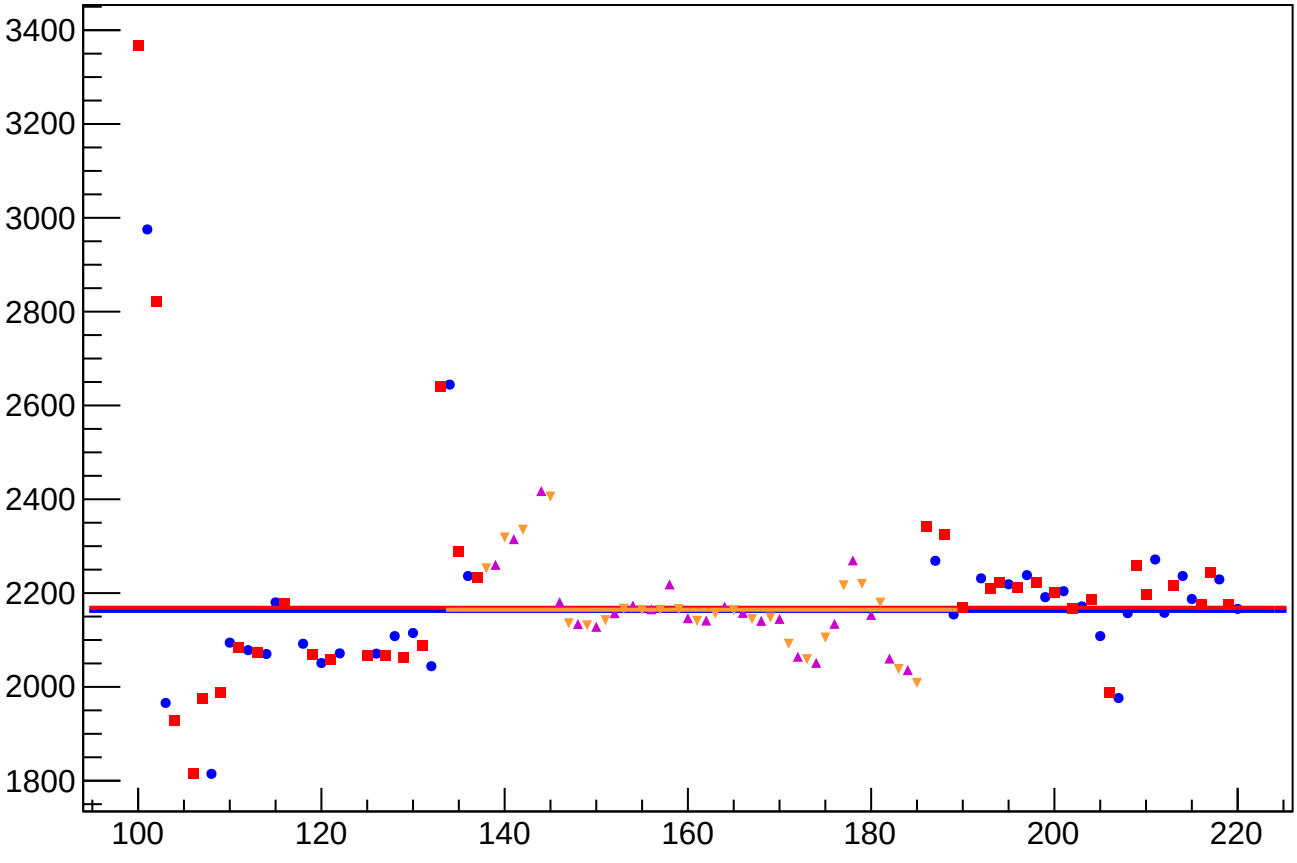
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -921.796+/-344.295 χ^2/NDF: 49.3/56

All: -564.101+/-244.171 χ^2/NDF: 96.6/114

- sign -202.156+/-346.334 χ^2/NDF: 45.1/57

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2161.990+/-0.334 χ^2/NDF: 209929.3/32

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

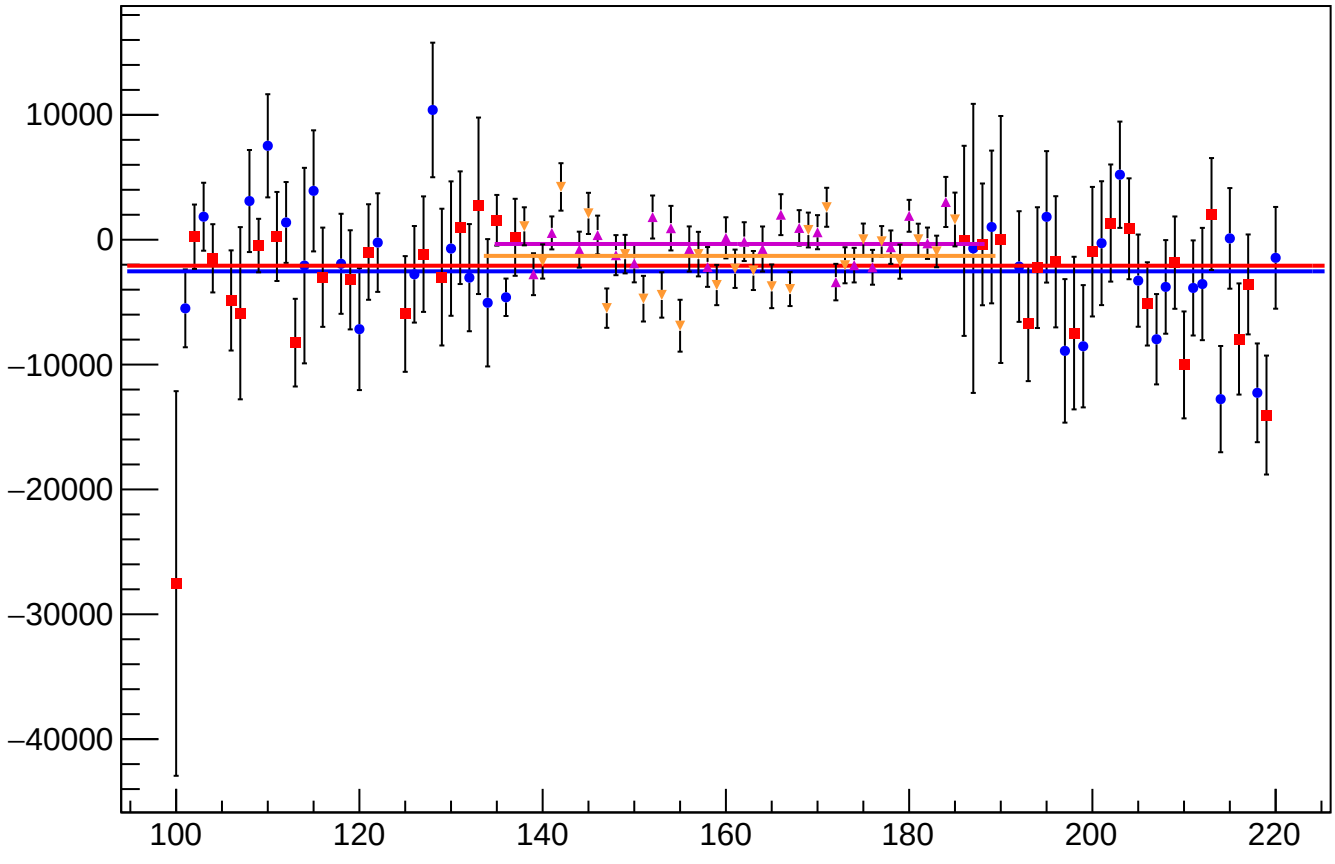
Right Out: 2168.806+/-0.336 χ^2/NDF: 211205.8/34

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2163.182+/-0.243 χ^2/NDF: 260632.8/56

All: 2165.241+/-0.173 χ^2/NDF: 524148.6/114

- sign 2167.325+/-0.245 χ^2/NDF: 263371.8/57



Right In: -2531.632+/-670.848 χ^2/NDF: 46.1/32

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

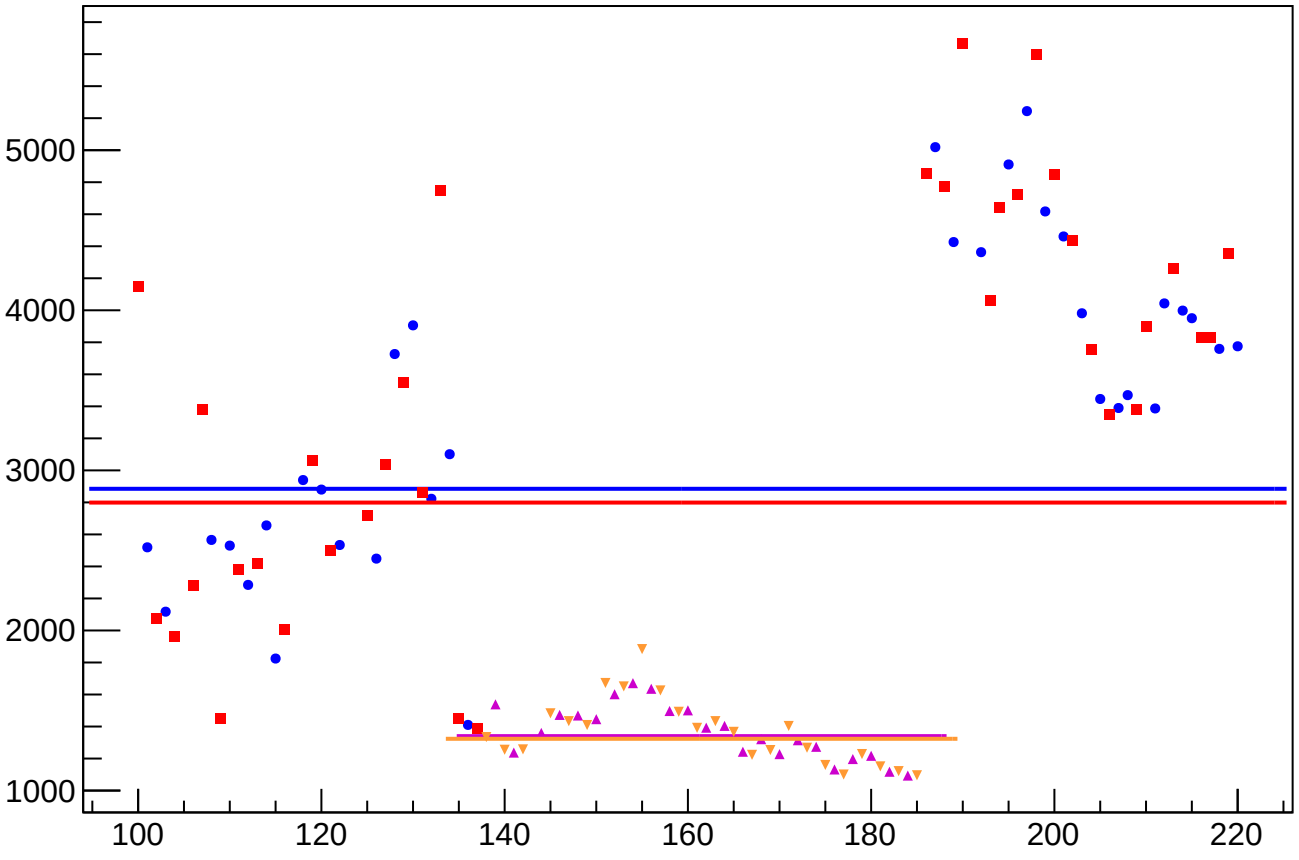
Right Out: -2080.623+/-662.566 χ^2/NDF: 30.6/34

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1512.264+/-281.872 χ^2/NDF: 107.6/56

All: -1092.104+/-200.376 χ^2/NDF: 173.0/114

- sign -662.862+/-284.902 χ^2/NDF: 60.9/57



Right In: 2884.976+/-0.474 χ^2/NDF: 4889918.8/32

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2798.917+/-0.469 χ^2/NDF: 6185462.1/34

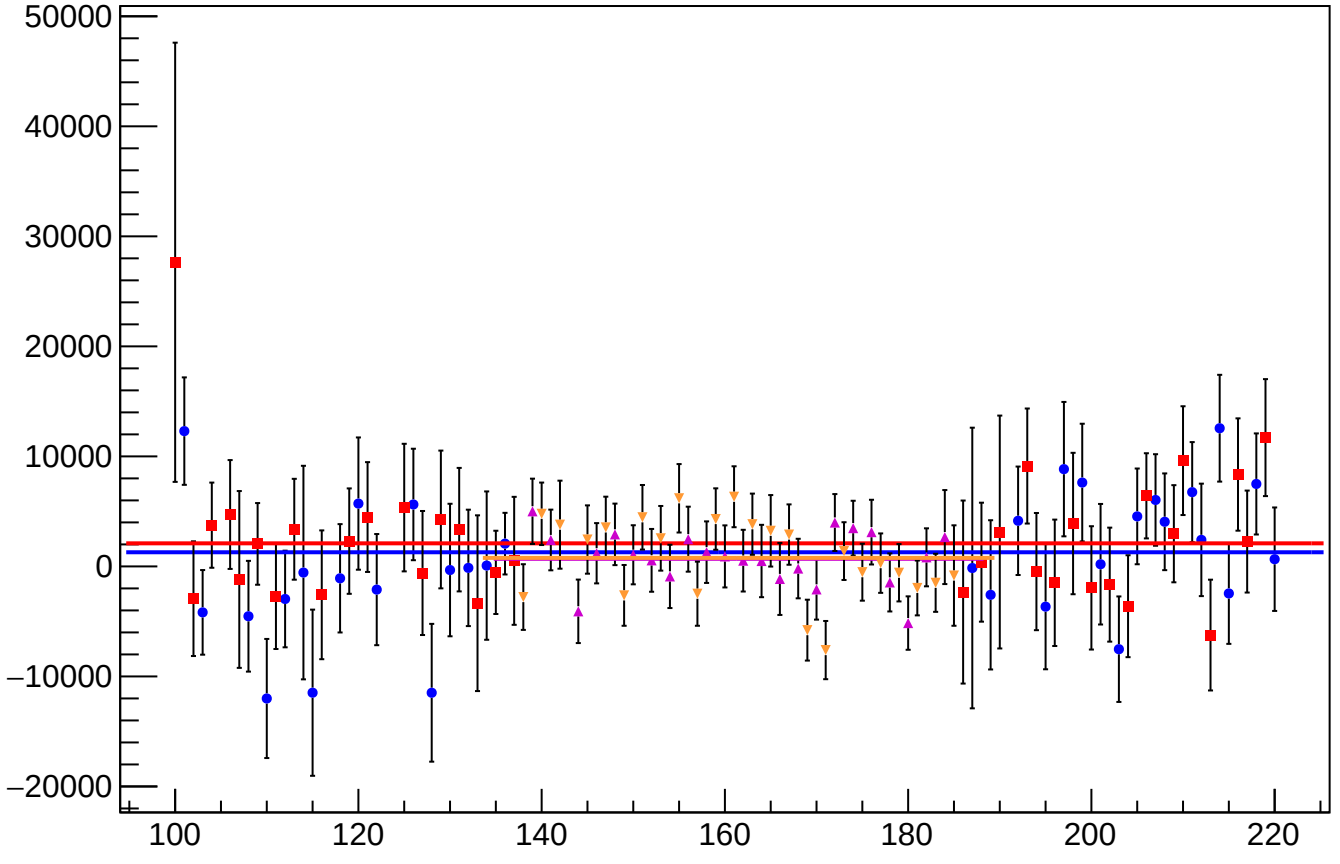
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1599.090+/-0.199 χ^2/NDF: 14477502.3/56

All: 1604.397+/-0.142 χ^2/NDF: 29061732.7/1

- sign 1609.819+/-0.201 χ^2/NDF: 14582797.1/57

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: 1285.703+/-870.774 χ^2/NDF: 44.1/32

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

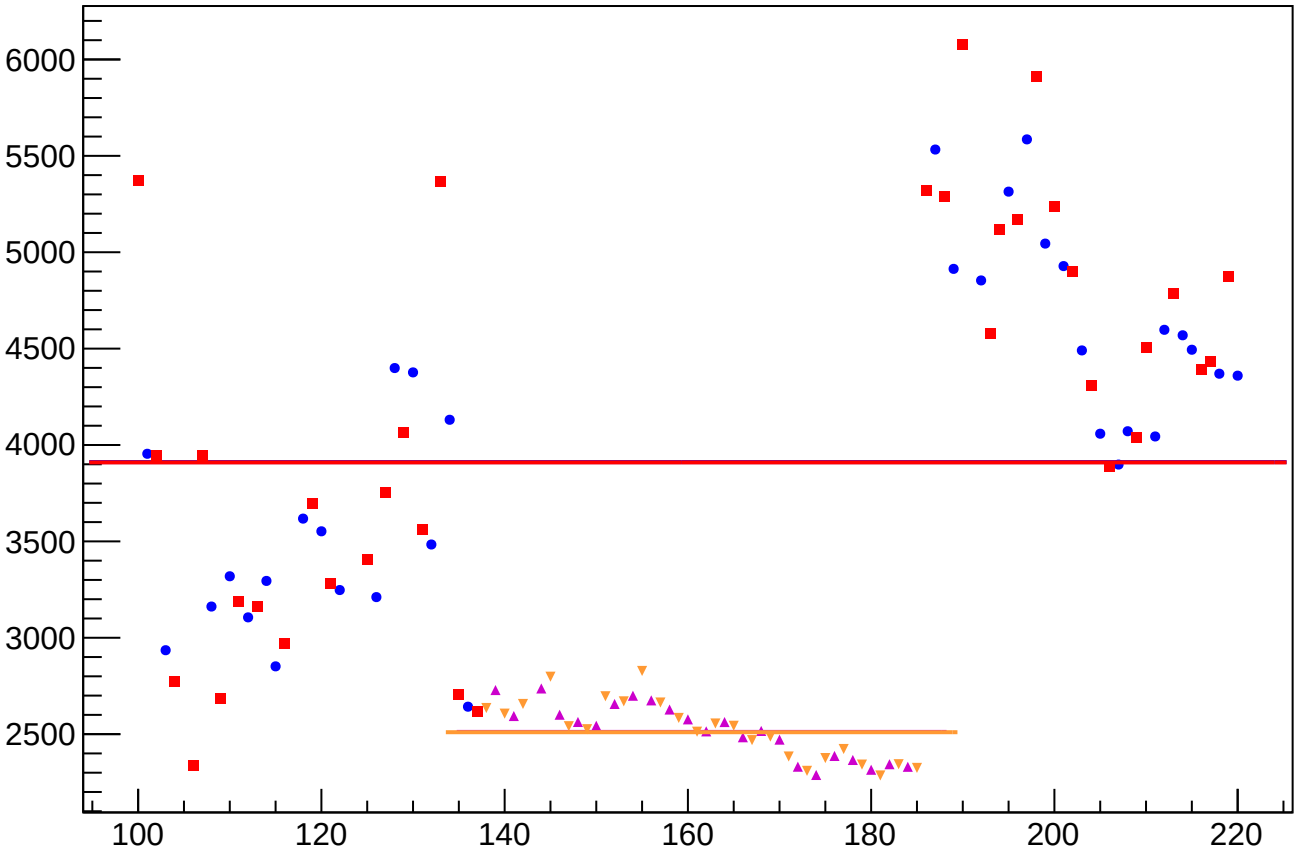
Right Out: 2097.505+/-879.966 χ^2/NDF: 23.5/34

Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

+ sign 933.183+/-484.843 χ^2/NDF: 83.7/56

All: 1027.796+/-344.146 χ^2/NDF: 127.4/114

- sign 1123.869+/-488.570 χ^2/NDF: 43.6/57



Right In: 3911.340+/-0.616 χ^2/NDF: 1607707.4/32

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

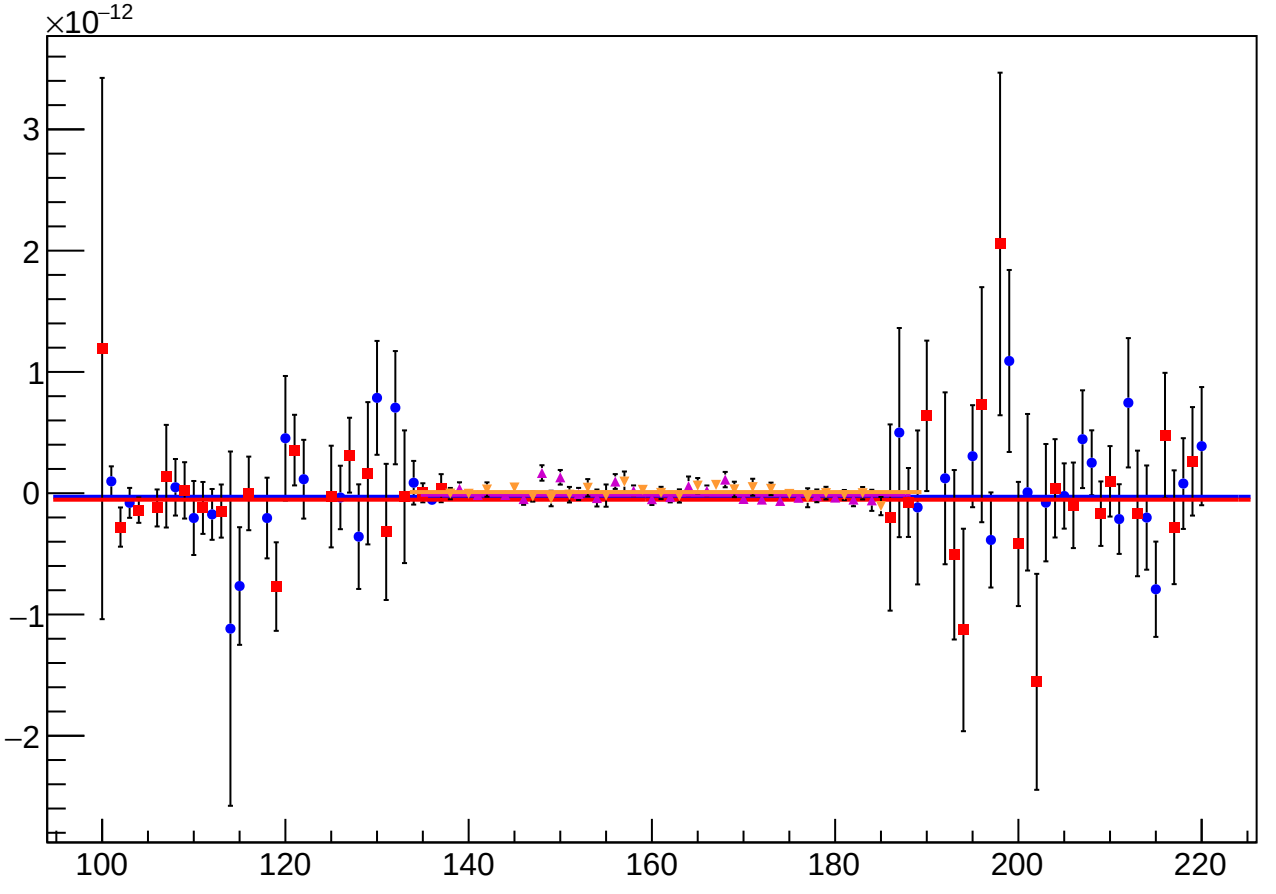
Right Out: 3909.722+/-0.622 χ^2/NDF: 2280879.0/34

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2944.494+/-0.343 χ^2/NDF: 5309886.1/56

All: 2943.556+/-0.243 χ^2/NDF: 11196683.2/1

- sign 2942.604+/-0.345 χ^2/NDF: 5886782.0/57



Right In: -0.000+/-0.000 χ^2/NDF: 27.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

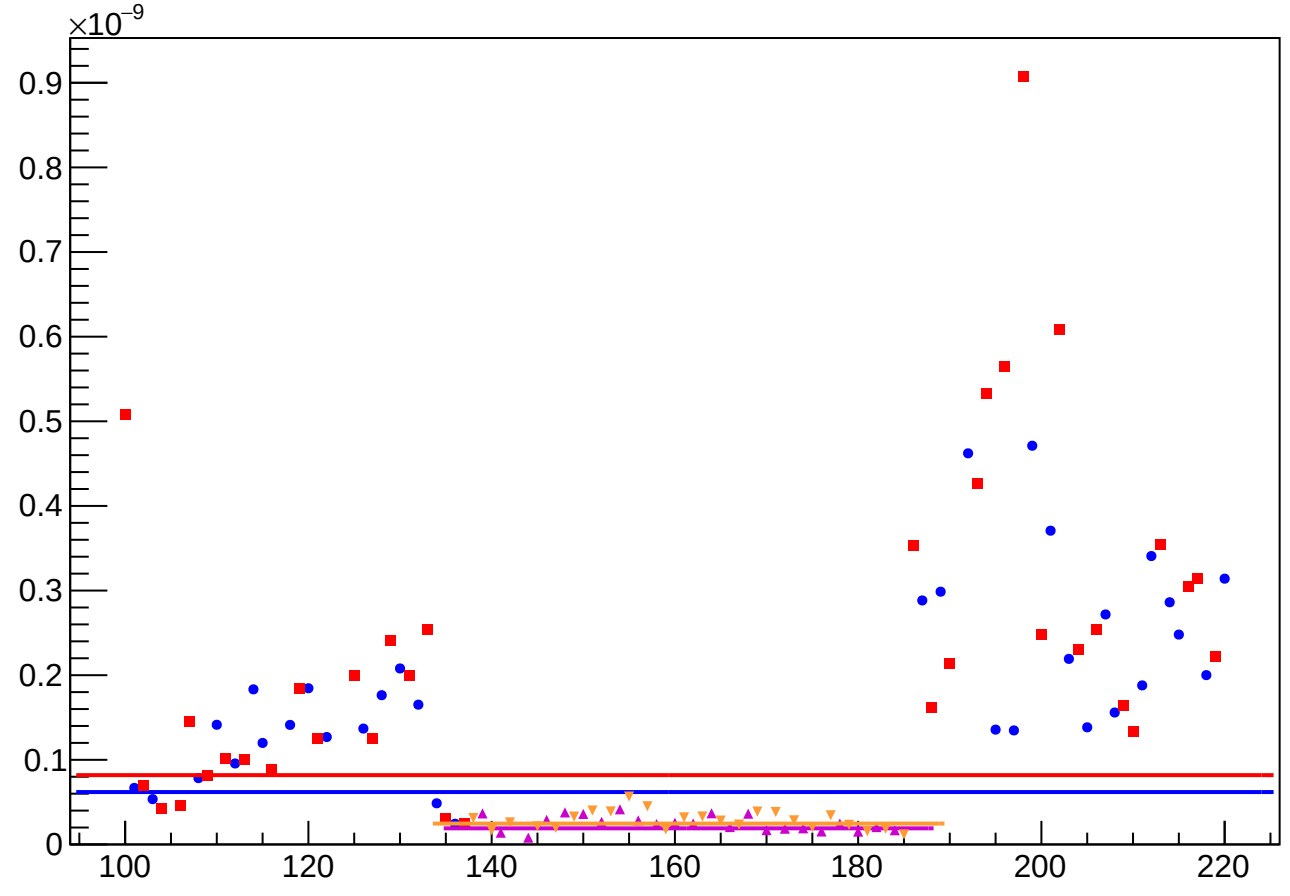
Right Out: -0.000+/-0.000 χ^2/NDF: 24.5/34

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.6/56

All: -0.000+/-0.000 χ^2/NDF: 99.8/114

- sign -0.000+/-0.000 χ^2/NDF: 56.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 8917319.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

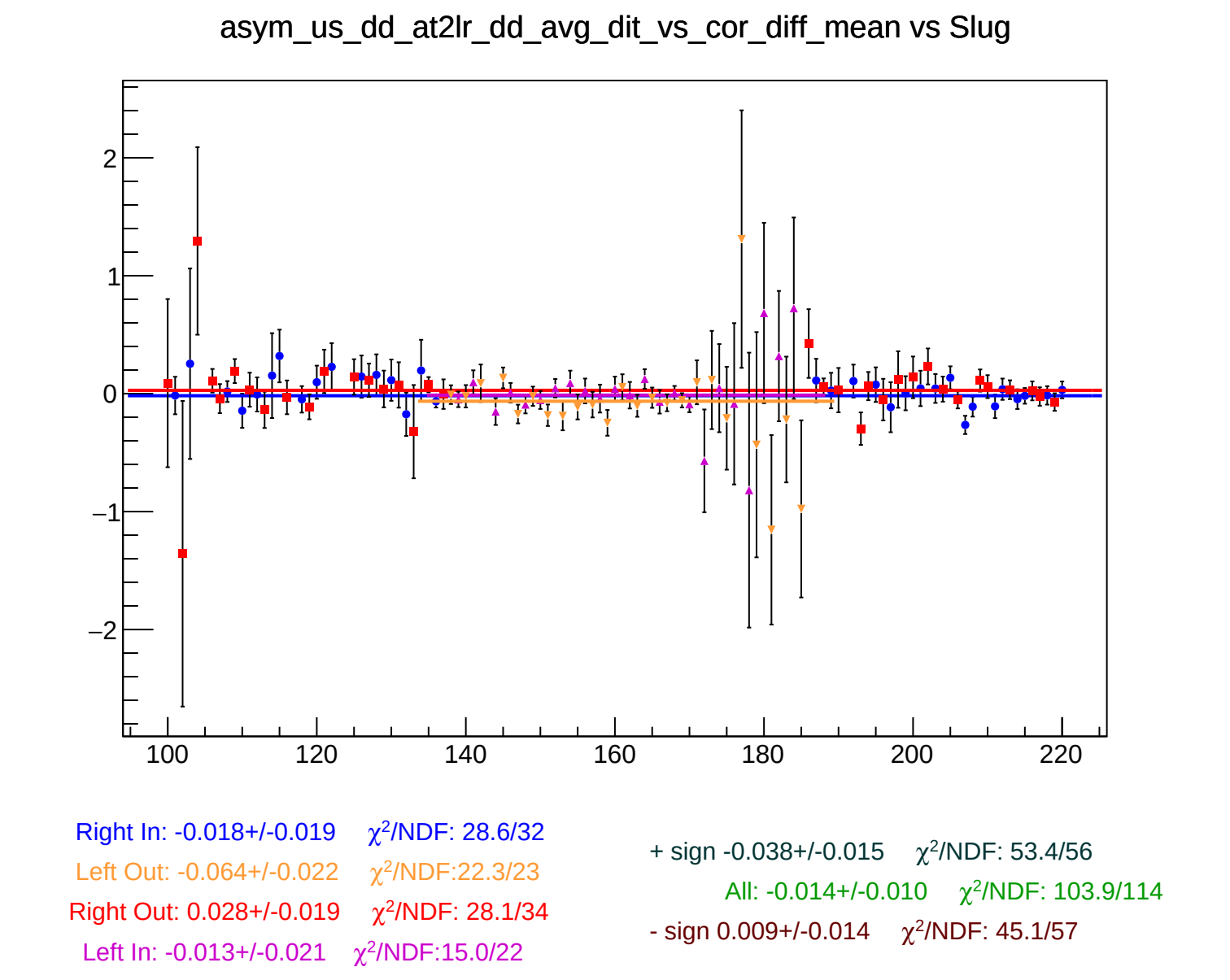
Right Out: 0.000+/-0.000 χ^2/NDF: 8984943.3/34

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12728751.7/56

All: 0.000+/-0.000 χ^2/NDF: 29035364.9/114

- sign 0.000+/-0.000 χ^2/NDF: 15835559.4/57


asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs Slug
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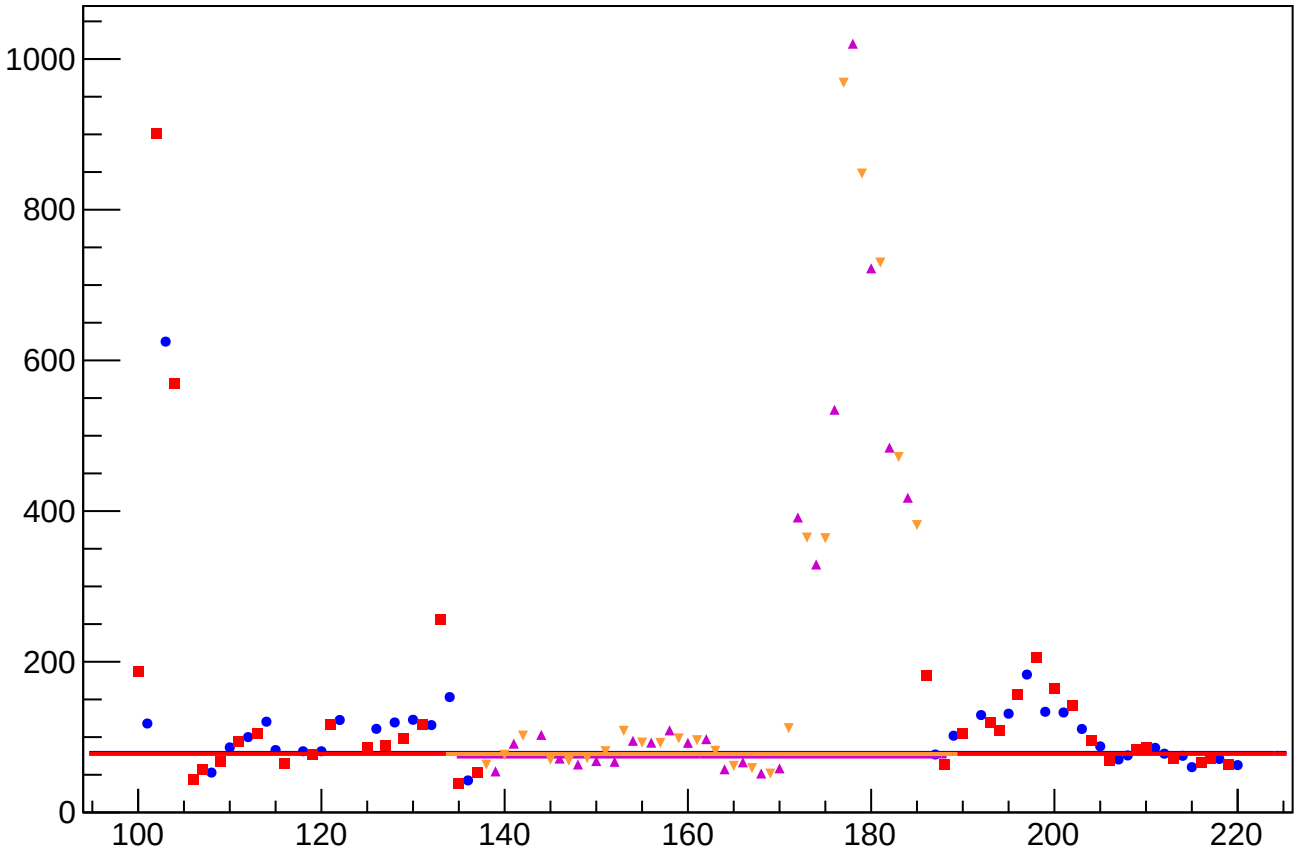
Right In: -0.018+/-0.019 χ²/NDF: 28.6/32
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.028+/-0.019 χ²/NDF: 28.1/34
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.038+/-0.015 χ²/NDF: 53.4/56
All: -0.014+/-0.010 χ²/NDF: 103.9/114
- sign 0.009+/-0.014 χ²/NDF: 45.1/57



Right In: 79.042+/-0.014 χ^2/NDF: 4976638.5/32

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

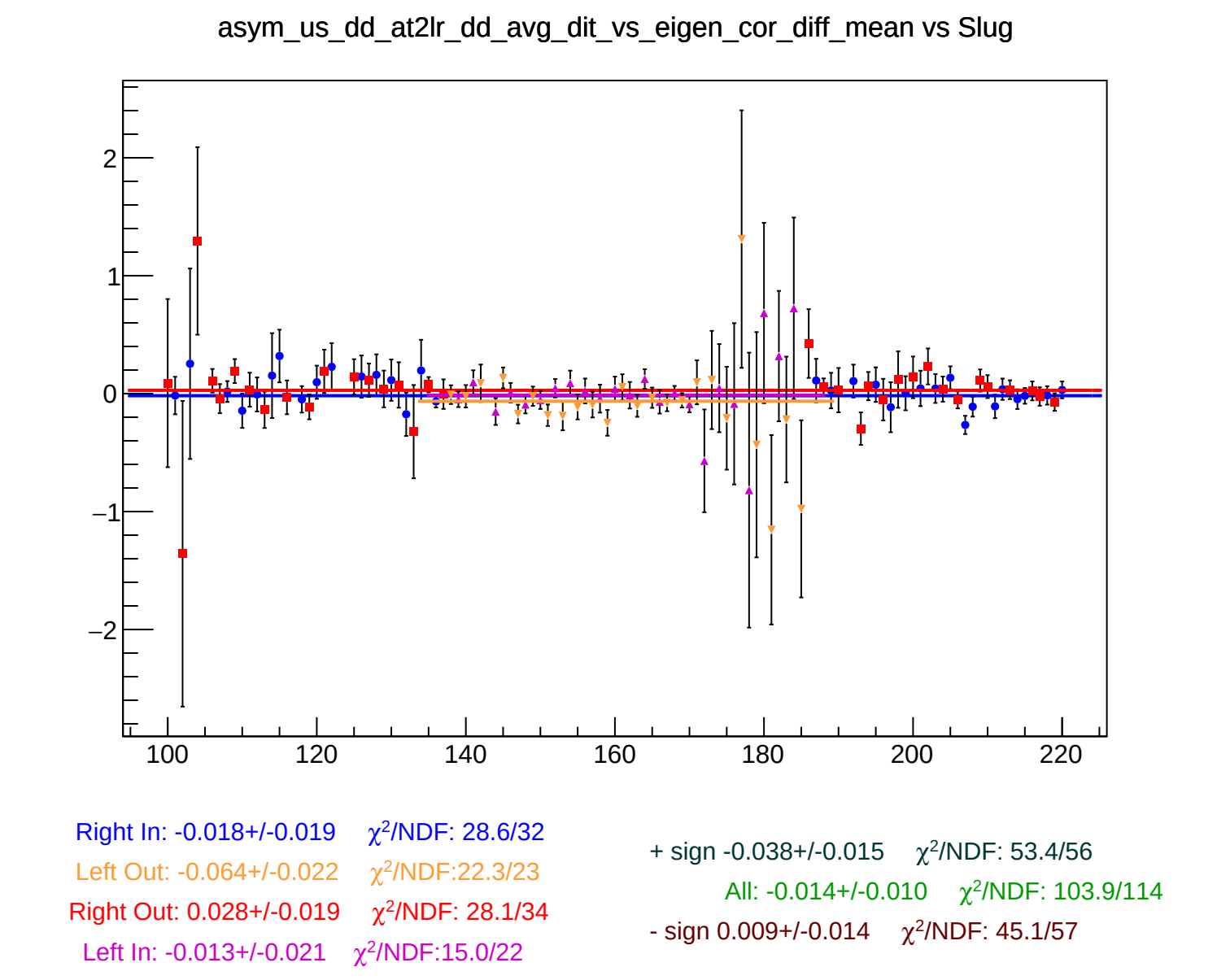
Right Out: 77.711+/-0.014 χ^2/NDF: 6228620.8/34

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 78.389+/-0.010 χ^2/NDF: 13313116.4/56

All: 77.229+/-0.007 χ^2/NDF: 28110442.5/114

- sign 76.106+/-0.010 χ^2/NDF: 14772296.0/57


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
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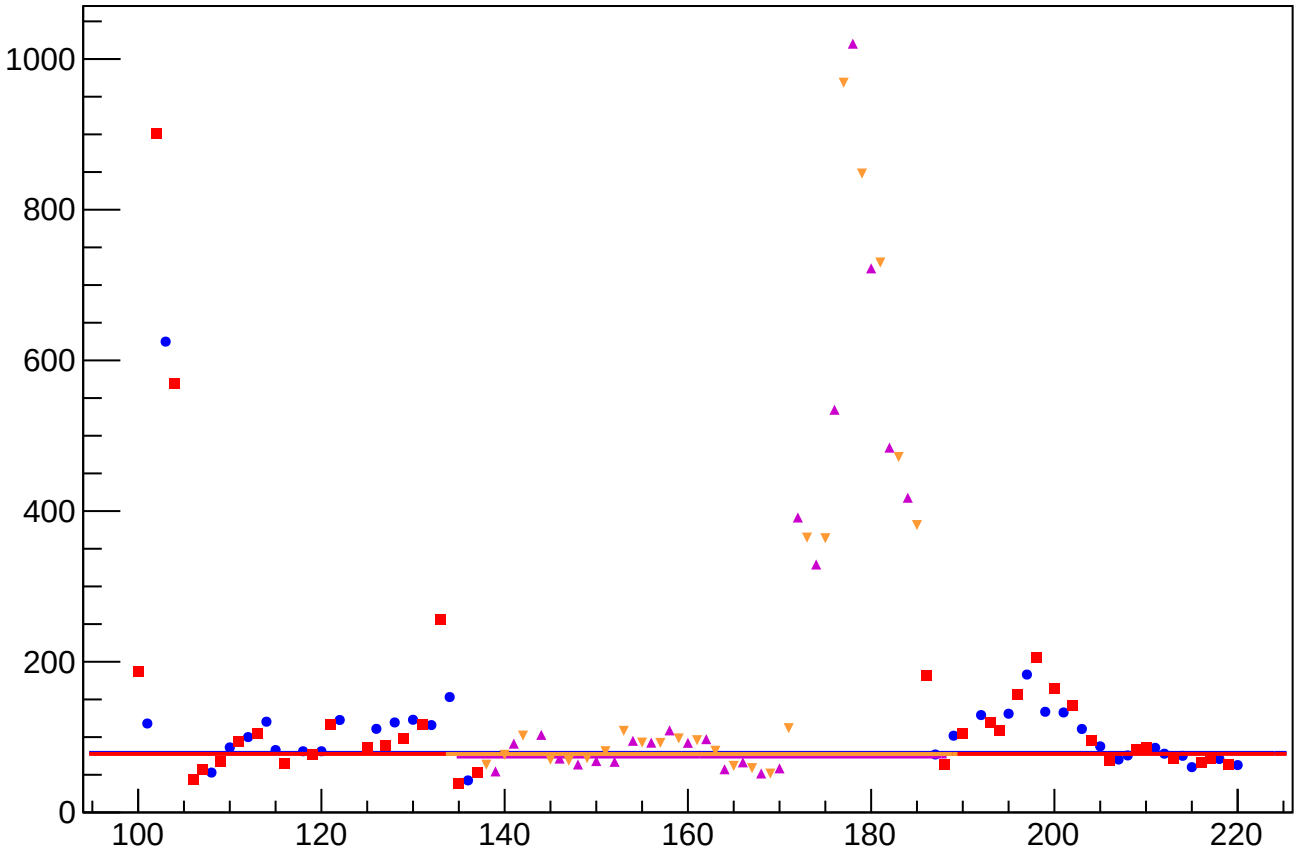
Right In: -0.018+/-0.019 χ²/NDF: 28.6/32
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.028+/-0.019 χ²/NDF: 28.1/34
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.038+/-0.015 χ²/NDF: 53.4/56
All: -0.014+/-0.010 χ²/NDF: 103.9/114
- sign 0.009+/-0.014 χ²/NDF: 45.1/57



Right In: 79.042+/-0.014 χ^2/NDF: 4976638.5/32

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

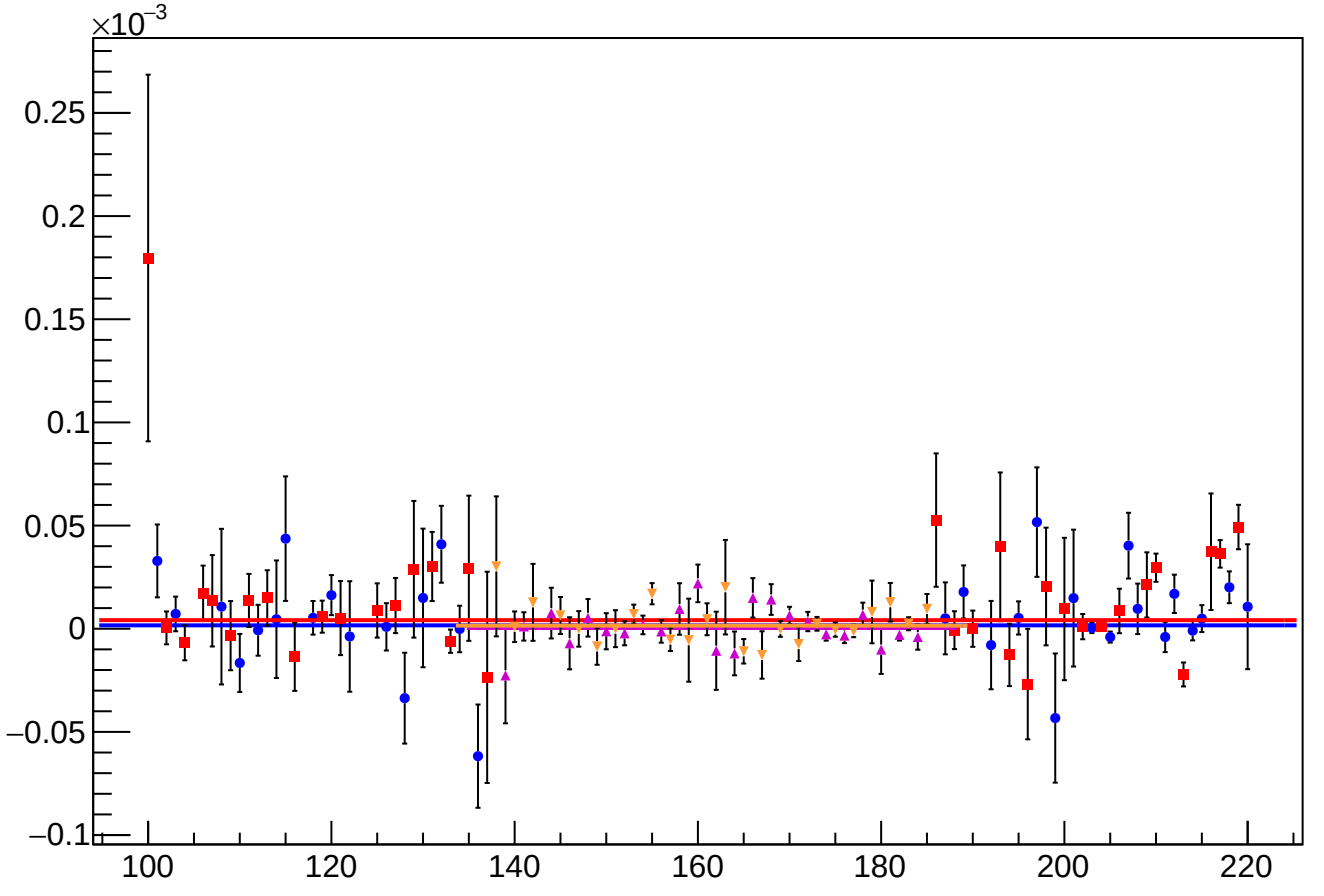
Right Out: 77.711+/-0.014 χ^2/NDF: 6228620.8/34

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 78.389+/-0.010 χ^2/NDF: 13313116.4/56

All: 77.229+/-0.007 χ^2/NDF: 28110442.5/114

- sign 76.106+/-0.010 χ^2/NDF: 14772296.0/57



Right In: 0.000+/-0.000 χ^2/NDF: 52.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

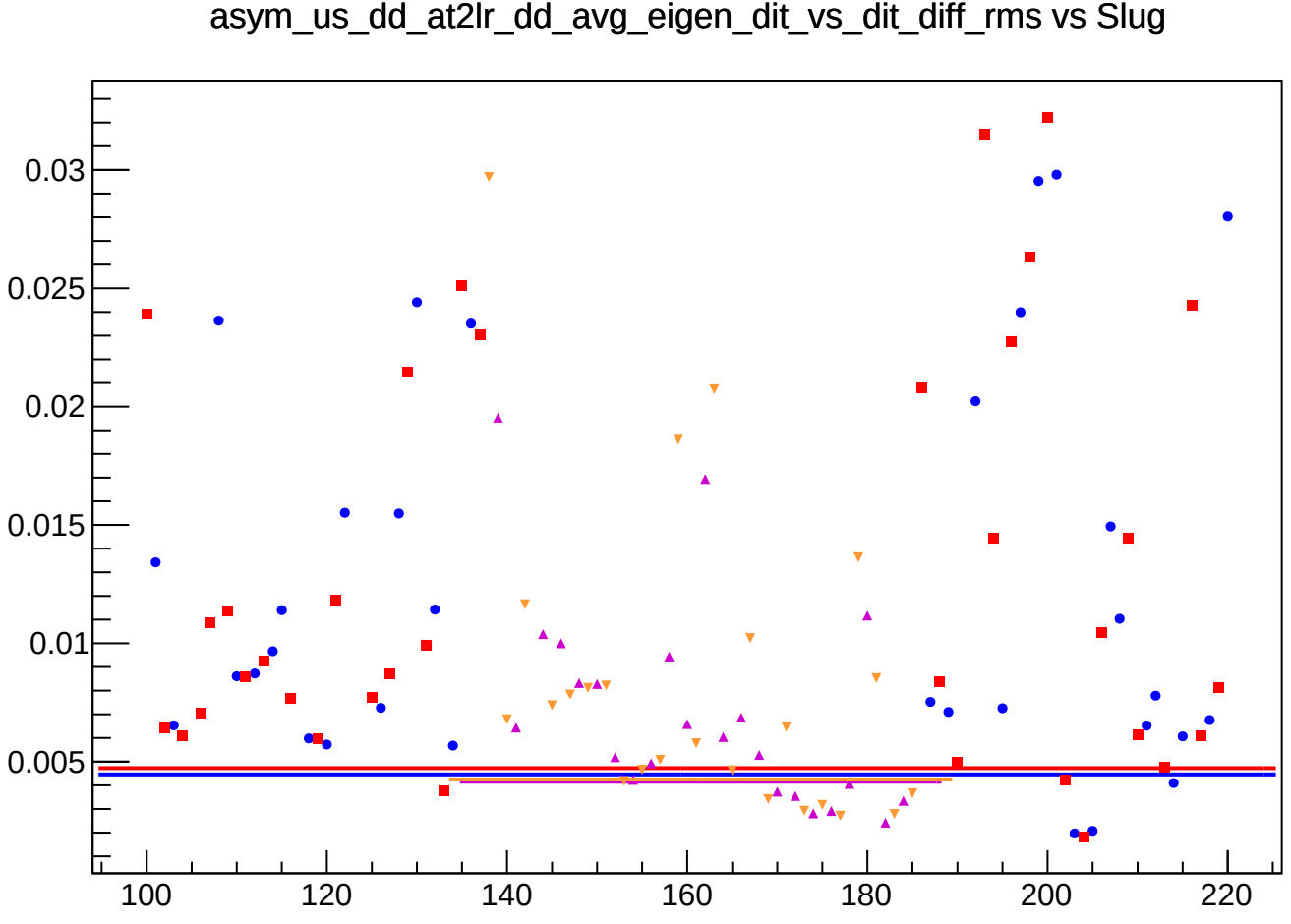
Right Out: 0.000+/-0.000 χ^2/NDF: 103.7/34

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.1/56

All: 0.000+/-0.000 χ^2/NDF: 211.7/114

- sign 0.000+/-0.000 χ^2/NDF: 132.6/57



Right In: 0.004+/-0.000 χ^2/NDF: 16956219.9/32

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.005+/-0.000 χ^2/NDF: 16137553.5/34

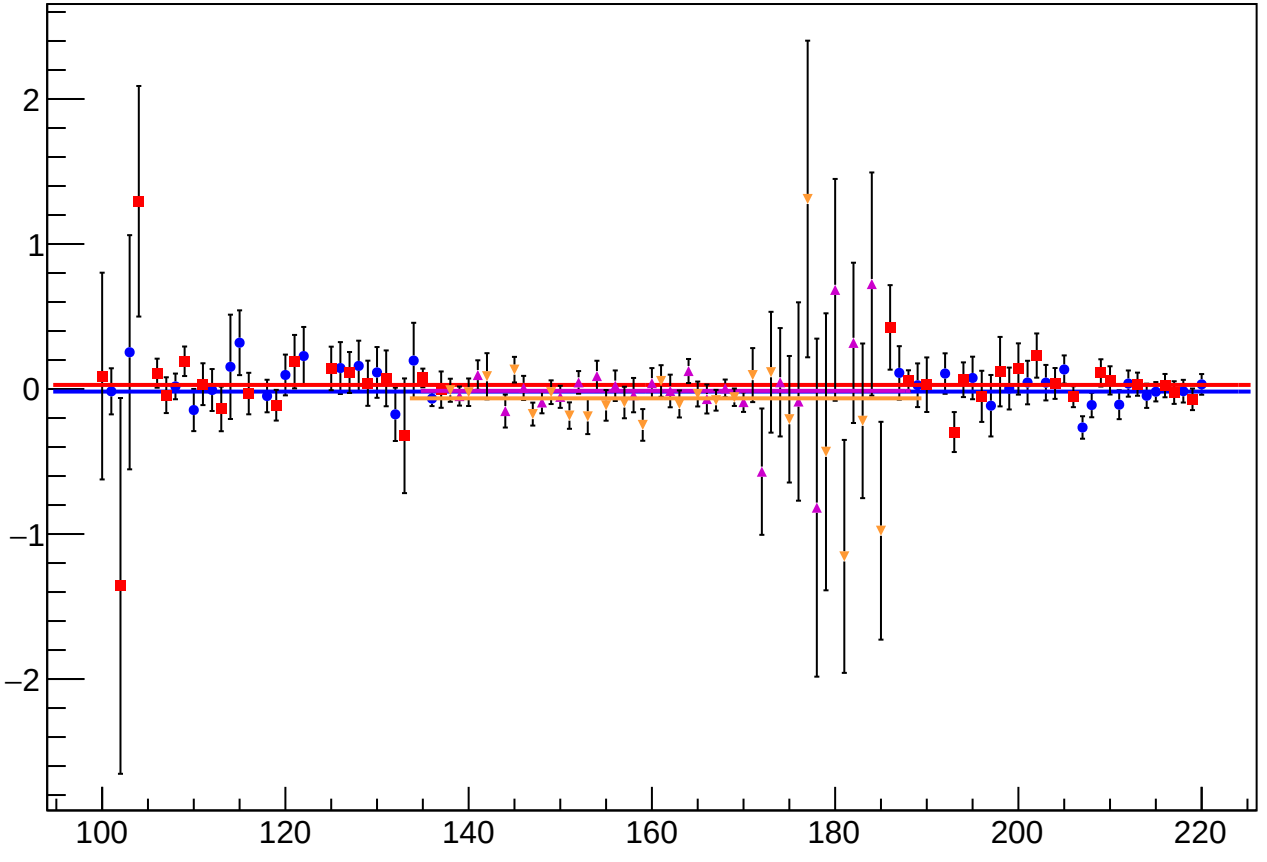
Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 25636309.9/56

All: 0.004+/-0.000 χ^2/NDF: 48858129.4/114

- sign 0.004+/-0.000 χ^2/NDF: 23217912.6/57

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.019 χ^2/NDF: 28.6/32

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

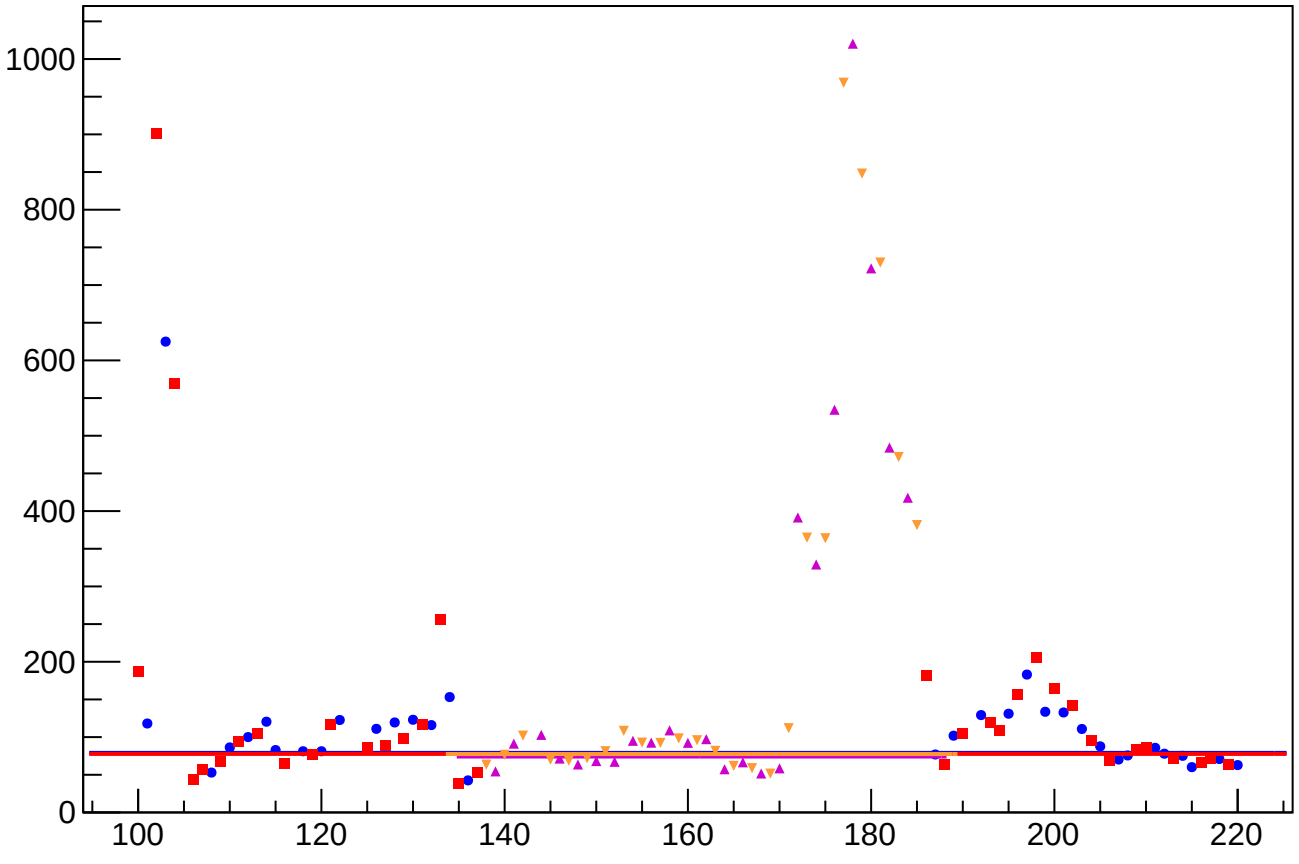
Right Out: 0.028+/-0.019 χ^2/NDF: 28.1/34

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.038+/-0.015 χ^2/NDF: 53.5/56

All: -0.014+/-0.010 χ^2/NDF: 103.9/114

- sign 0.009+/-0.014 χ^2/NDF: 45.1/57



Right In: 79.052+/-0.014 χ^2/NDF: 4973794.7/32

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

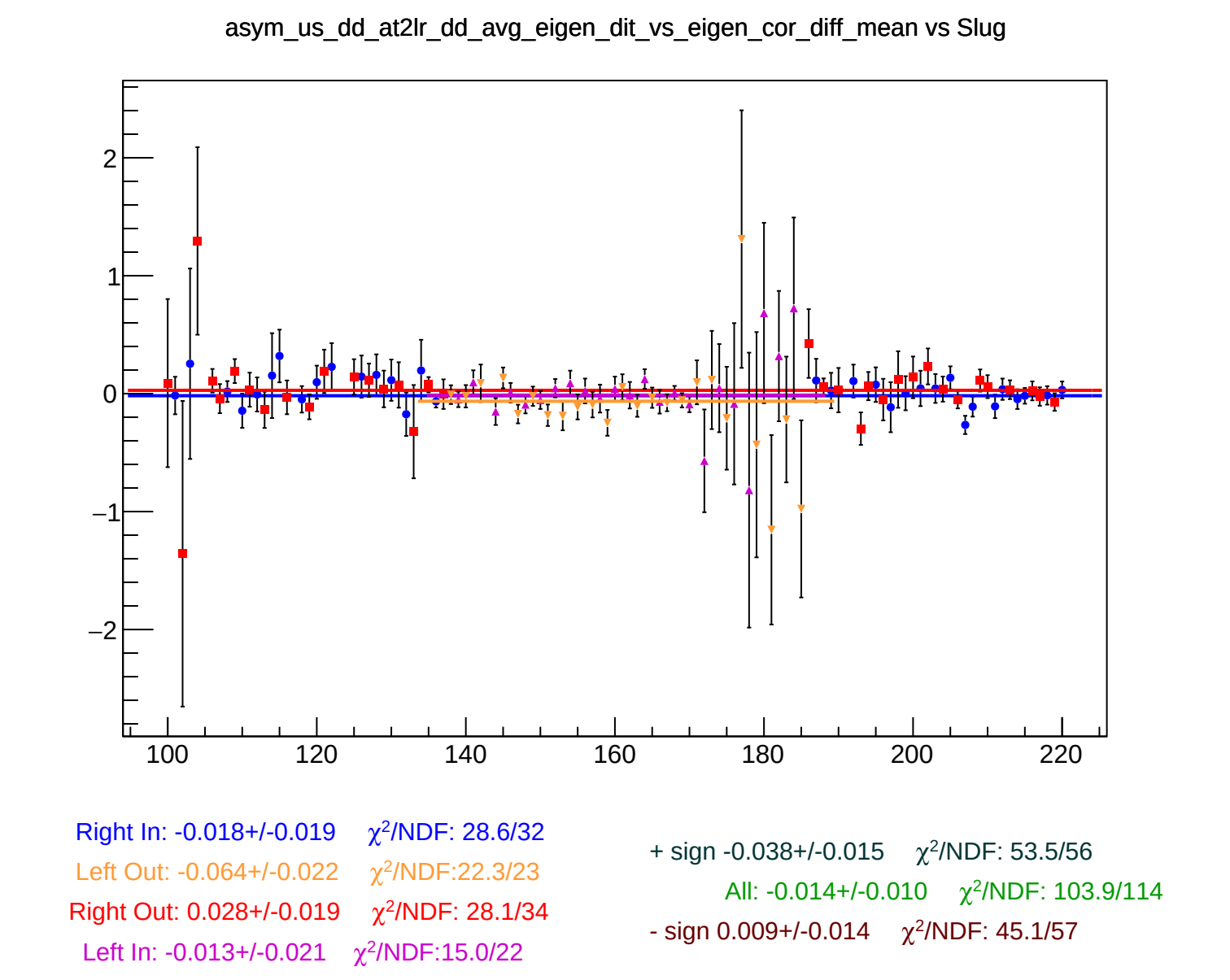
Right Out: 77.707+/-0.014 χ^2/NDF: 6230043.8/34

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 78.394+/-0.010 χ^2/NDF: 13310254.2/56

All: 77.231+/-0.007 χ^2/NDF: 28108771.0/114

- sign 76.104+/-0.010 χ^2/NDF: 14773335.4/57


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
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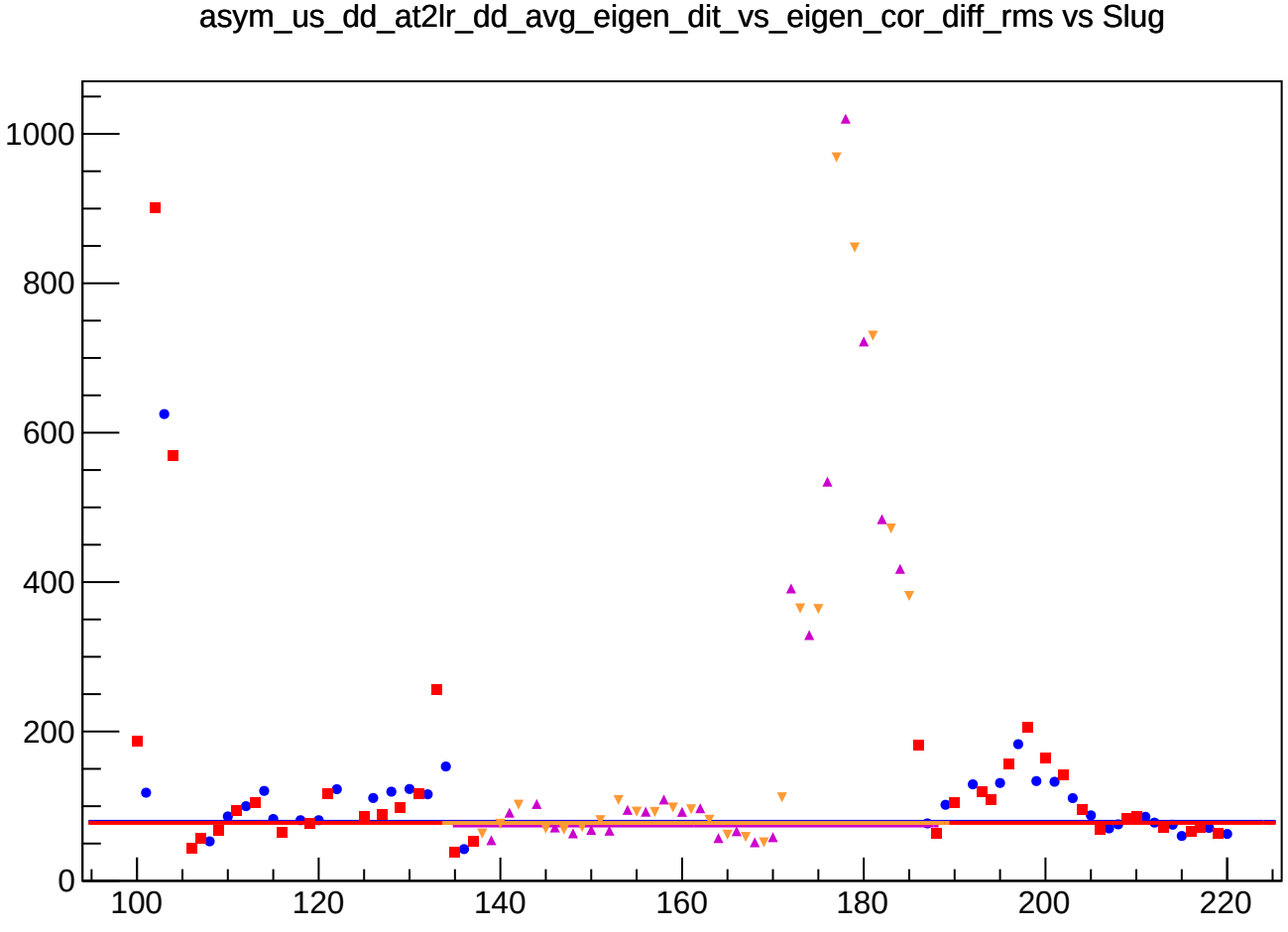
Right In: -0.018+/-0.019 χ²/NDF: 28.6/32
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.028+/-0.019 χ²/NDF: 28.1/34
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.038+/-0.015 χ²/NDF: 53.5/56
All: -0.014+/-0.010 χ²/NDF: 103.9/114
- sign 0.009+/-0.014 χ²/NDF: 45.1/57



Right In: 79.052+/-0.014 χ^2/NDF: 4973794.7/32

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

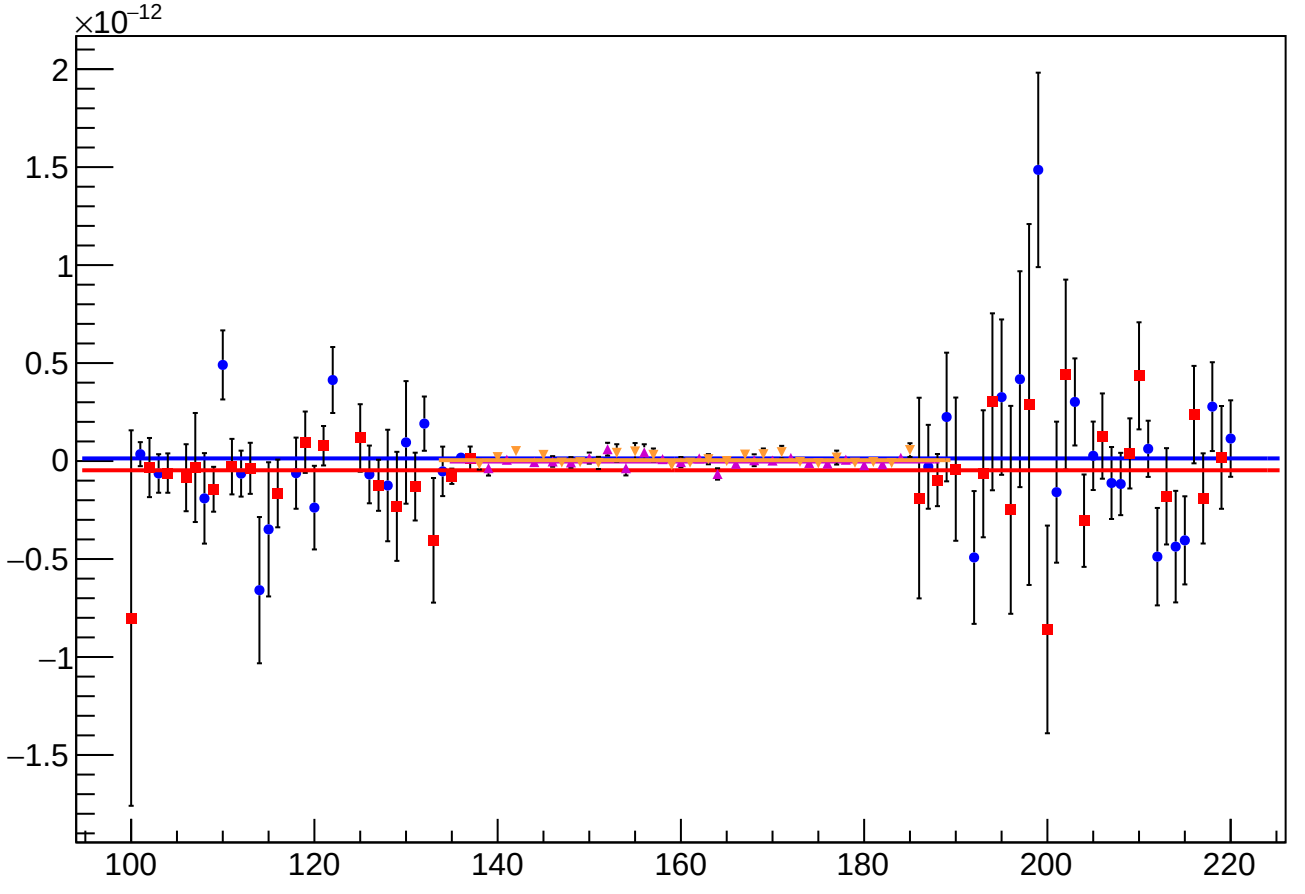
Right Out: 77.707+/-0.014 χ^2/NDF: 6230043.8/34

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 78.394+/-0.010 χ^2/NDF: 13310254.2/56

All: 77.231+/-0.007 χ^2/NDF: 28108771.0/114

- sign 76.104+/-0.010 χ^2/NDF: 14773335.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 50.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

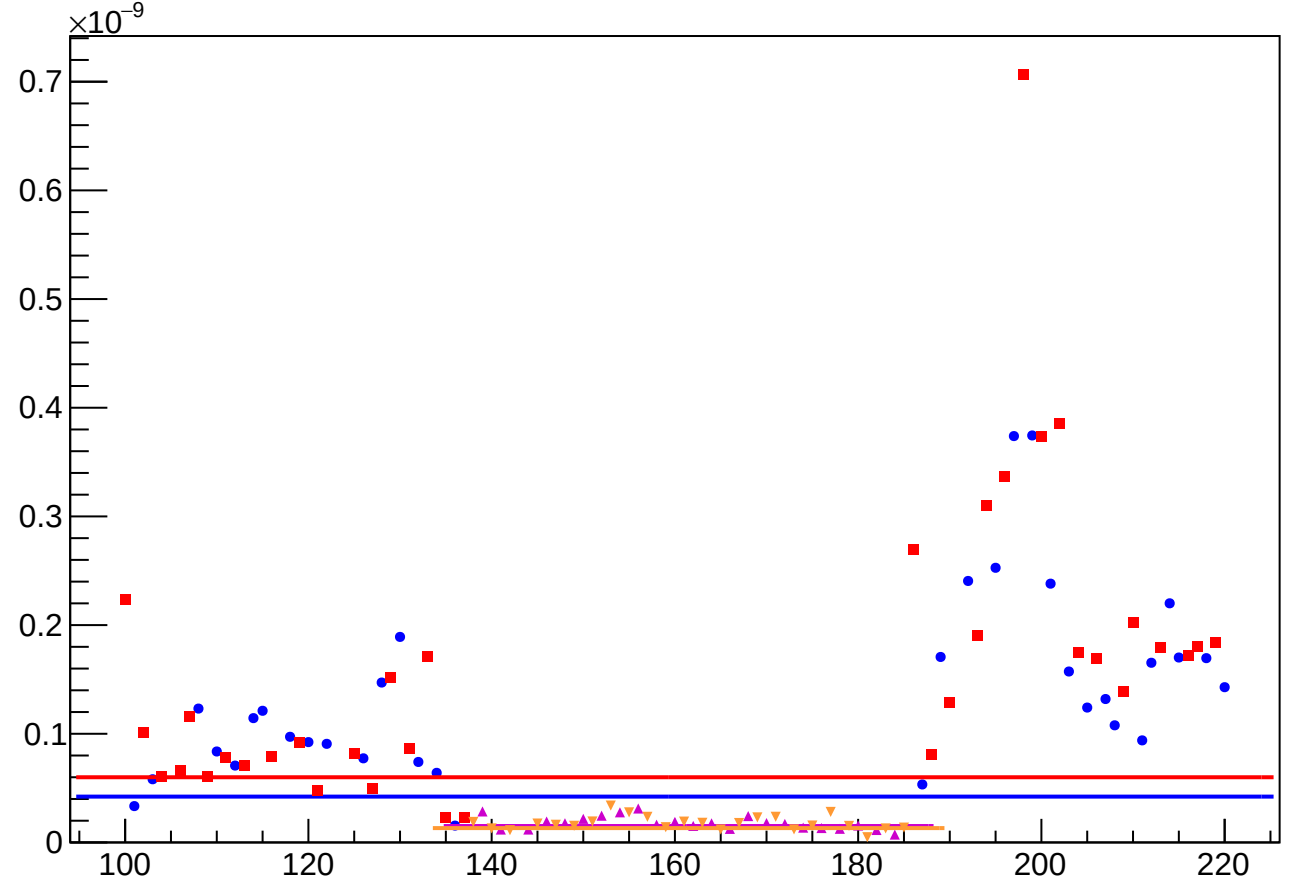
Right Out: -0.000+/-0.000 χ^2/NDF: 20.8/34

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.8/56

All: 0.000+/-0.000 χ^2/NDF: 116.8/114

- sign -0.000+/-0.000 χ^2/NDF: 41.9/57



Right In: 0.000+/-0.000 χ^2/NDF: 13817066.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11900325.1/34

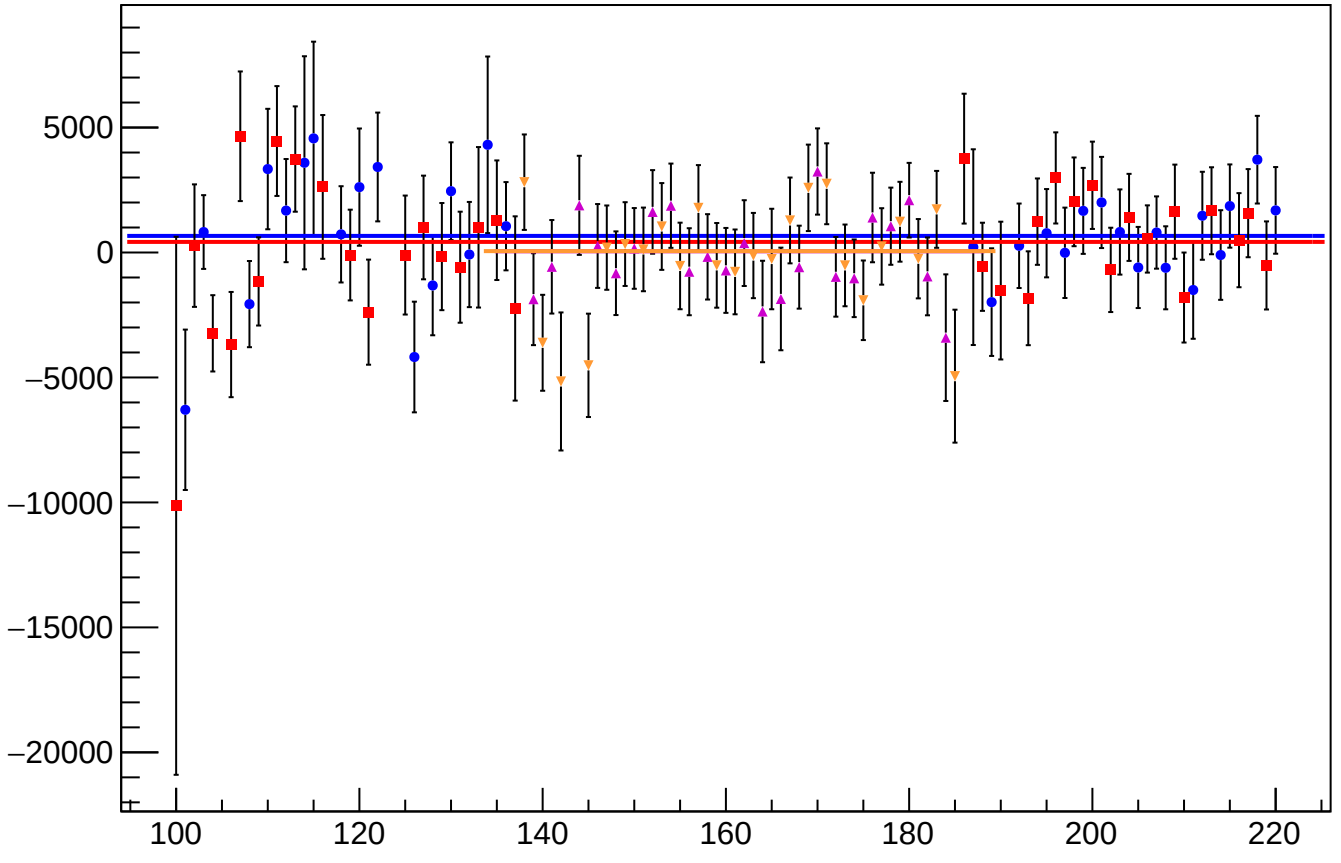
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 22822842.4/56

All: 0.000+/-0.000 χ^2/NDF: 44344879.6/114

- sign 0.000+/-0.000 χ^2/NDF: 21289296.7/57

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 664.229+/-337.034 χ^2/NDF: 29.7/32

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 423.687+/-337.052 χ^2/NDF: 35.9/34

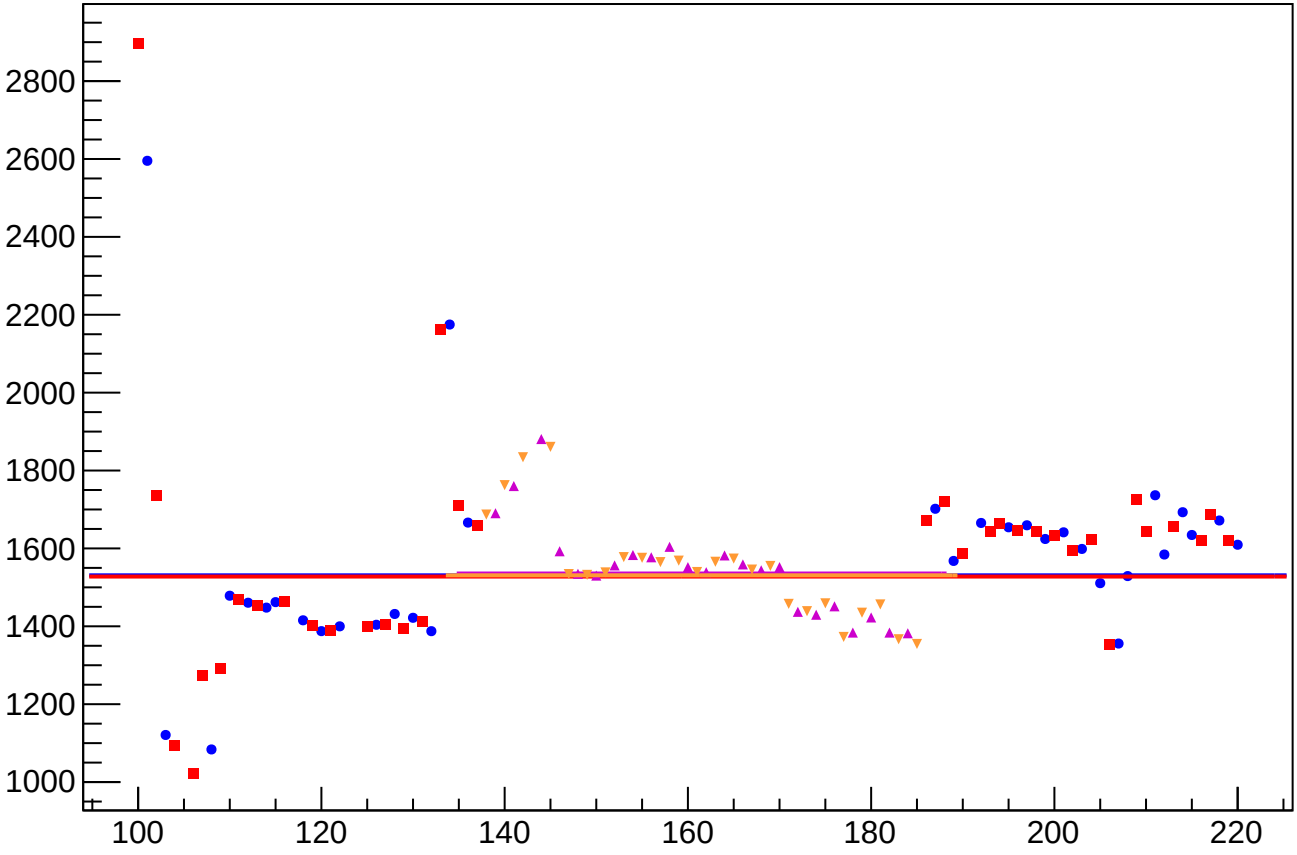
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

\+ sign 376.486+/-244.871 χ^2/NDF: 59.7/56

All: 312.529+/-173.511 χ^2/NDF: 113.0/114

\- sign 248.037+/-245.895 χ^2/NDF: 53.3/57

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1530.928+/-0.238 χ^2/NDF: 788891.3/32

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

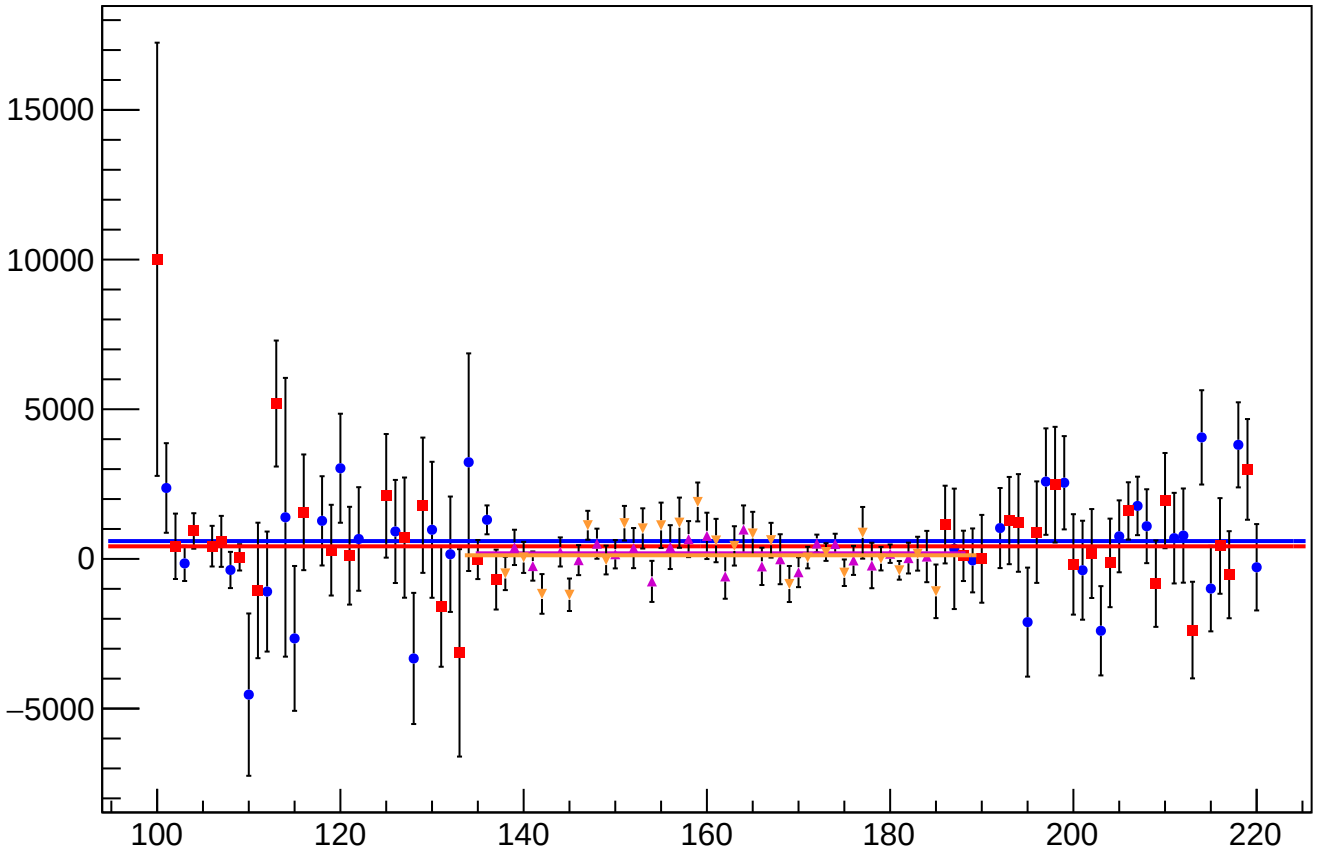
Right Out: 1527.739+/-0.238 χ^2/NDF: 706873.0/34

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1530.950+/-0.173 χ^2/NDF: 992431.1/56

All: 1531.171+/-0.123 χ^2/NDF: 1892242.5/11

- sign 1531.393+/-0.174 χ^2/NDF: 899808.2/57



Right In: 596.062+/-214.330 χ^2/NDF: 42.8/32

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

Right Out: 420.401+/-192.191 χ^2/NDF: 25.6/34

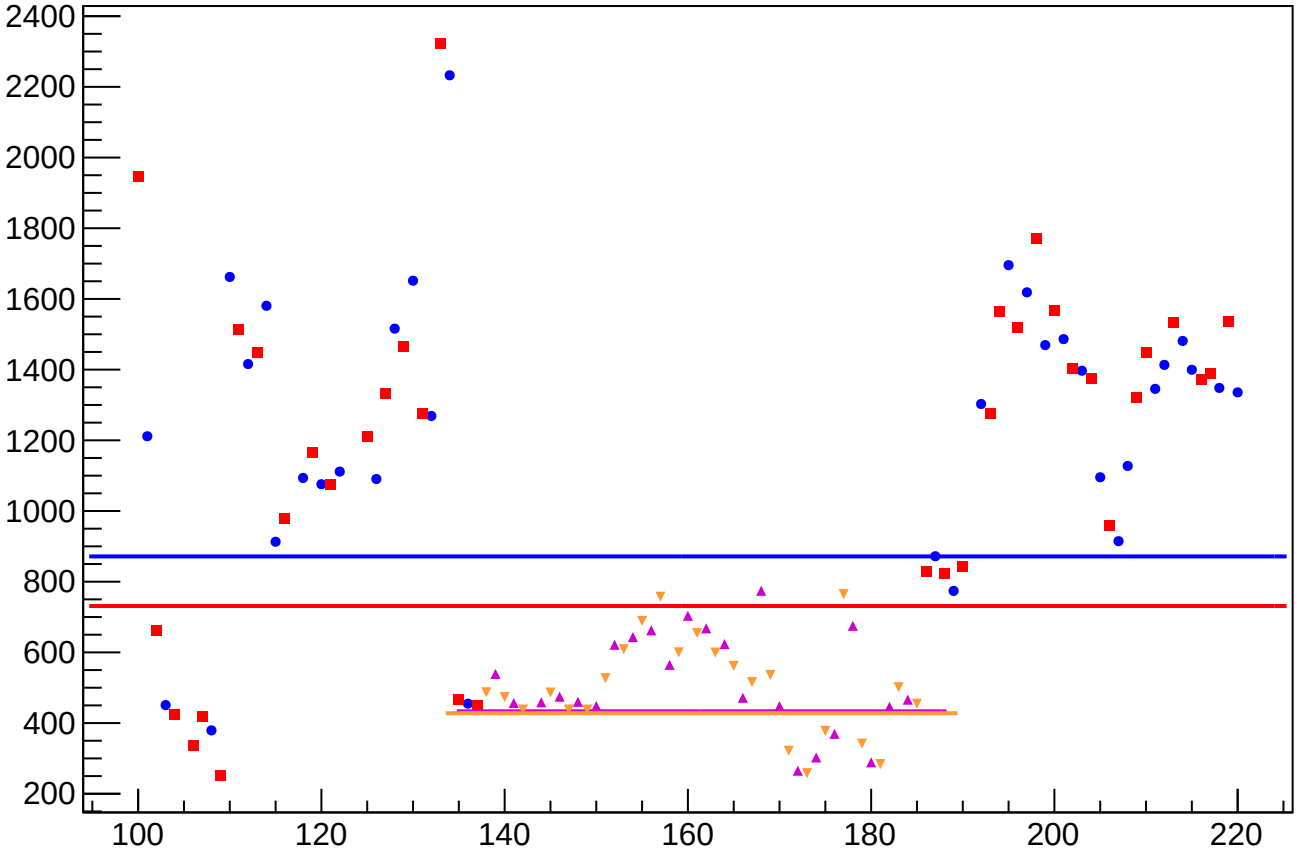
Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

\+ sign 213.296+/-94.336 χ^2/NDF: 90.4/56

All: 227.818+/-66.398 χ^2/NDF: 128.7/114

\- sign 242.075+/-93.471 χ^2/NDF: 38.3/57

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs Slug



Right In: 871.511+/-0.152 χ^2/NDF: 8623986.4/32

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

Right Out: 731.276+/-0.136 χ^2/NDF: 11944672.6/34

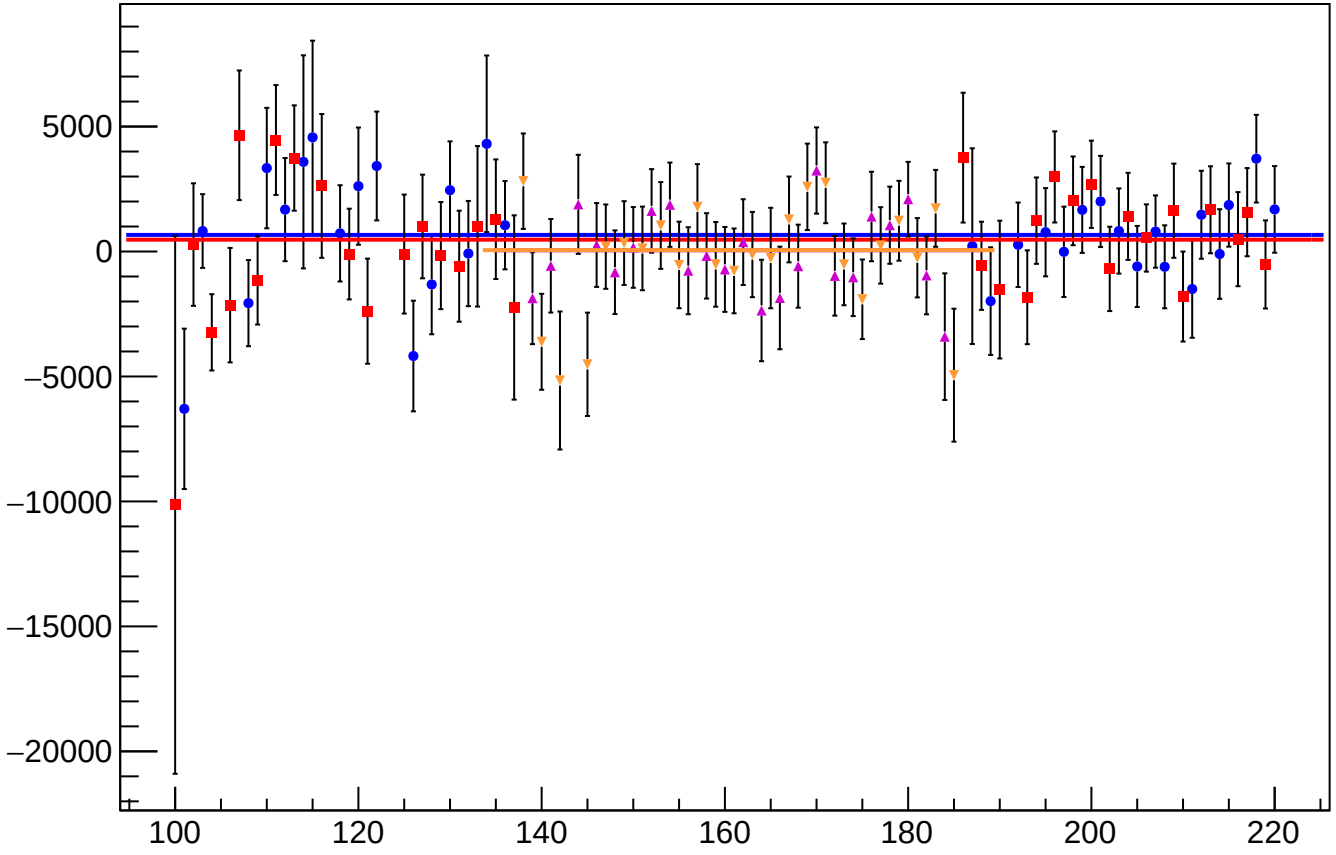
Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 513.770+/-0.067 χ^2/NDF: 18722802.2/56

All: 508.723+/-0.047 χ^2/NDF: 37597642.5/11

- sign 503.768+/-0.066 χ^2/NDF: 18863495.2/57

cor_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 664.258+/-337.034 χ^2/NDF: 29.7/32

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 473.587+/-337.722 χ^2/NDF: 33.3/34

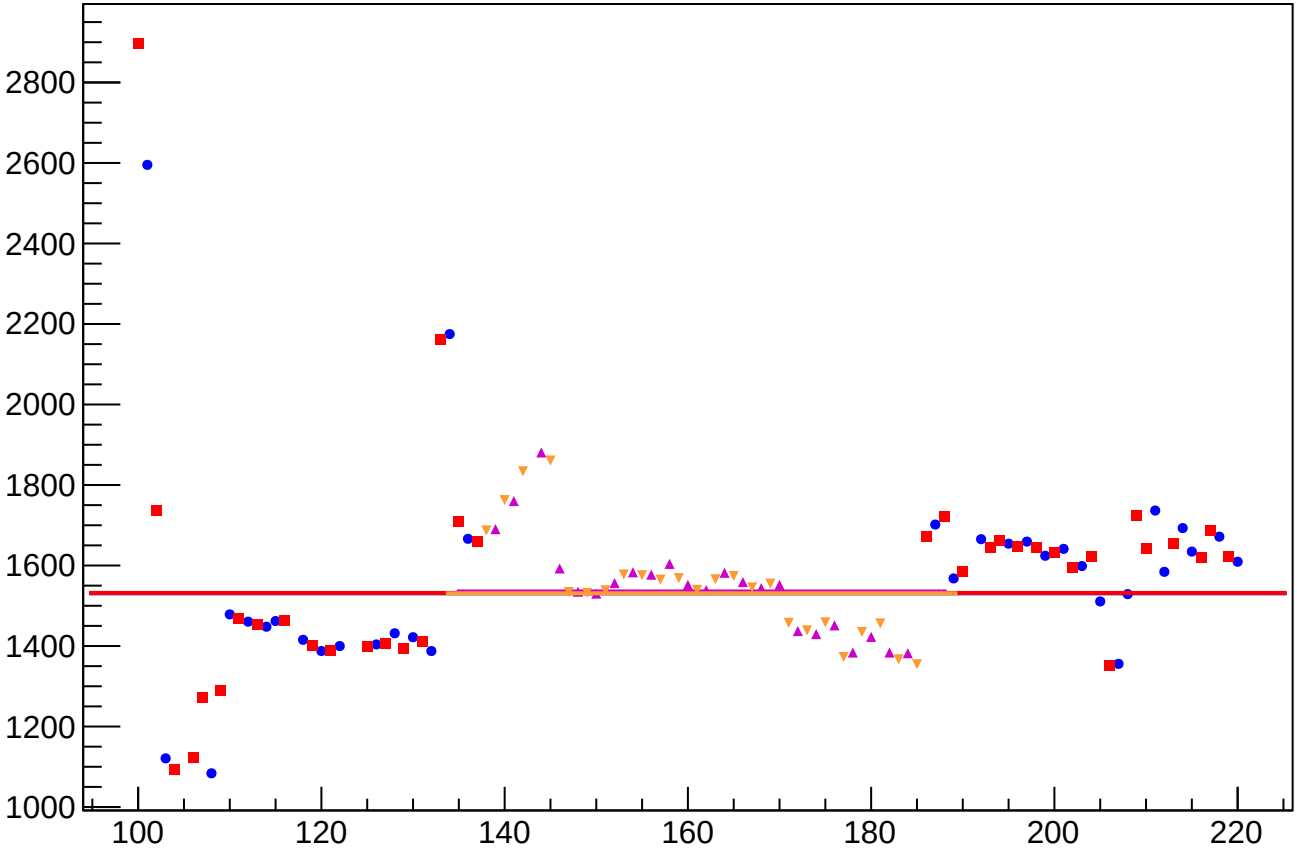
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 376.484+/-244.871 χ^2/NDF: 59.7/56

All: 325.615+/-173.602 χ^2/NDF: 110.6/114

- sign 274.212+/-246.154 χ^2/NDF: 50.8/57

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1530.928+/-0.238 χ^2/NDF: 788891.7/32

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

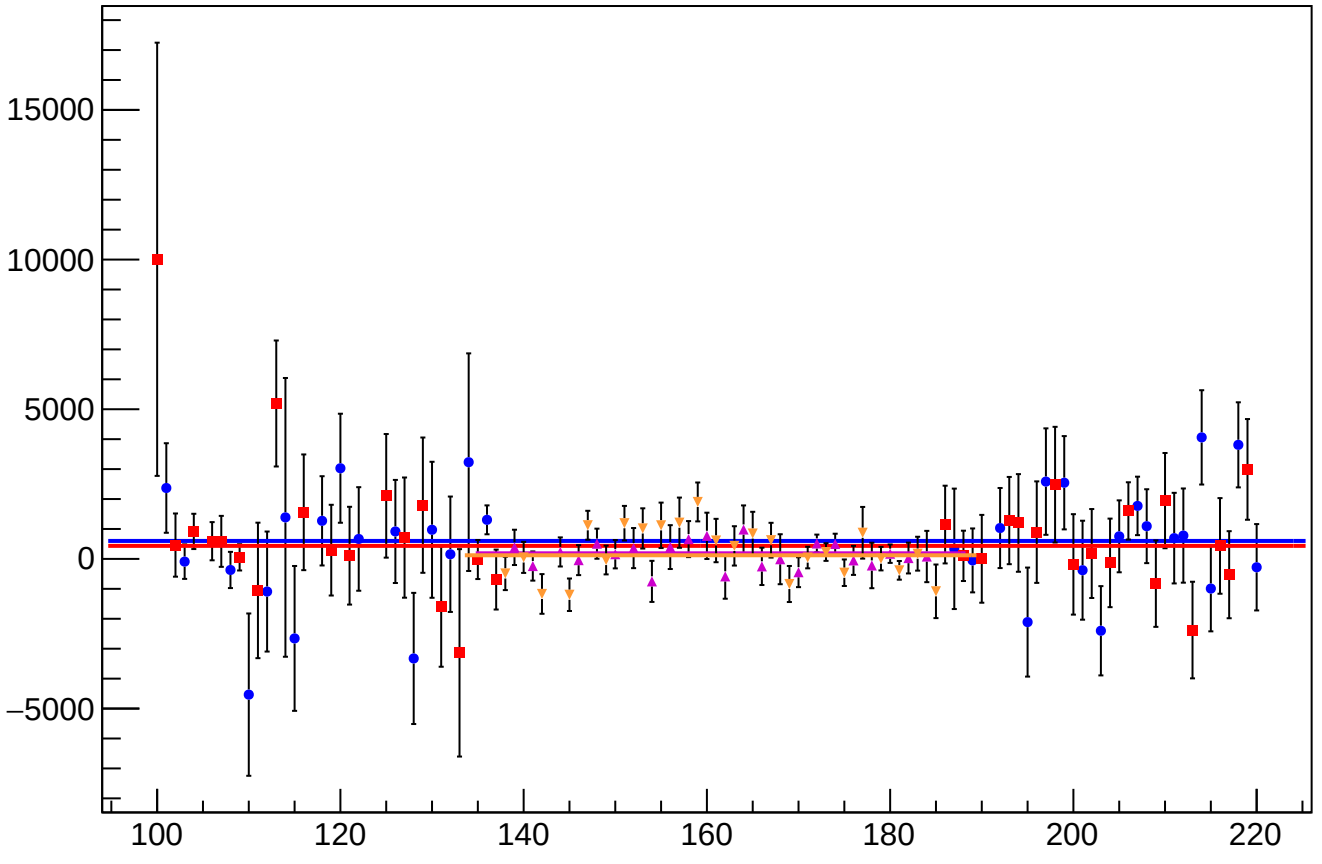
Right Out: 1531.906+/-0.239 χ^2/NDF: 654318.3/34

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1530.950+/-0.173 χ^2/NDF: 992431.4/56

All: 1532.276+/-0.123 χ^2/NDF: 1839409.3/11

- sign 1533.615+/-0.174 χ^2/NDF: 846860.1/57



Right In: 600.469+/-213.775 χ^2/NDF: 42.6/32

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

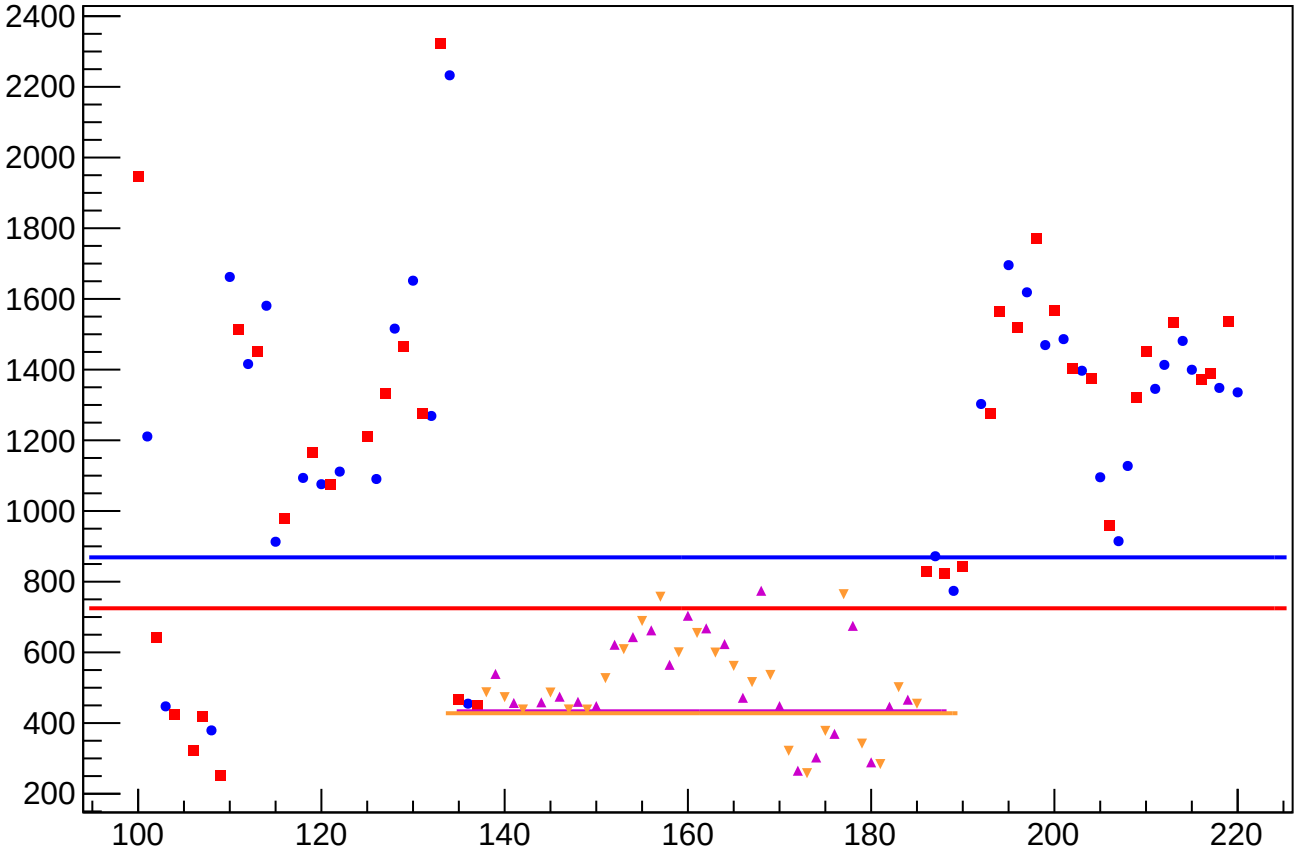
Right Out: 435.692+/-190.855 χ^2/NDF: 25.6/34

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 214.537+/-94.289 χ^2/NDF: 90.3/56

All: 230.674+/-66.326 χ^2/NDF: 128.8/114

- sign 246.480+/-93.317 χ^2/NDF: 38.5/57



Right In: 868.847+/-0.151 χ^2/NDF: 8681425.9/32

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

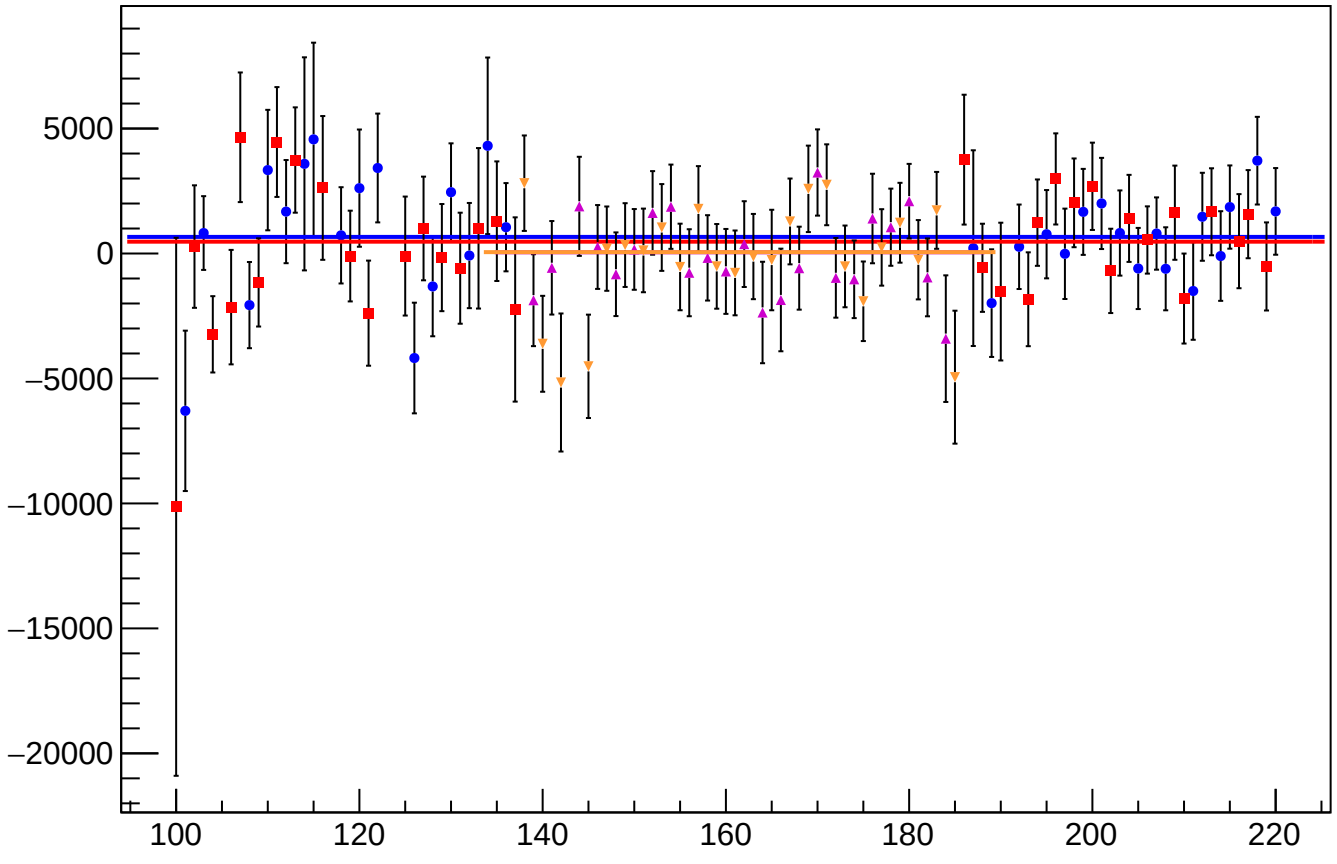
Right Out: 724.773+/-0.135 χ^2/NDF: 12096028.4/34

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 513.612+/-0.067 χ^2/NDF: 18726312.8/56

All: 508.235+/-0.047 χ^2/NDF: 37632966.9/11

- sign 502.968+/-0.066 χ^2/NDF: 18893779.6/57



Right In: 664.258+/-337.034 χ^2/NDF: 29.7/32

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 473.587+/-337.722 χ^2/NDF: 33.3/34

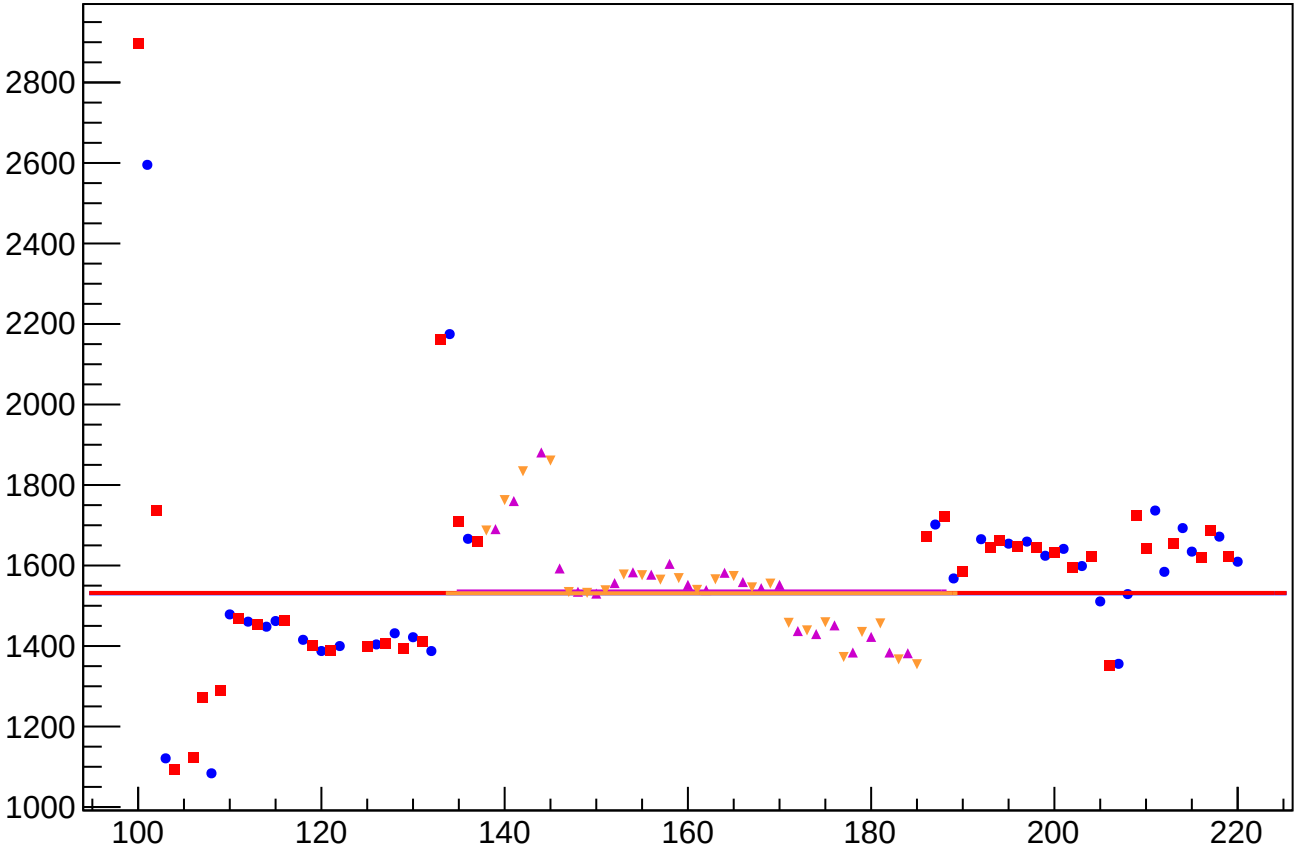
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 376.484+/-244.871 χ^2/NDF: 59.7/56

All: 325.615+/-173.602 χ^2/NDF: 110.6/114

- sign 274.212+/-246.154 χ^2/NDF: 50.8/57

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1530.928+/-0.238 χ^2/NDF: 788891.7/32

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

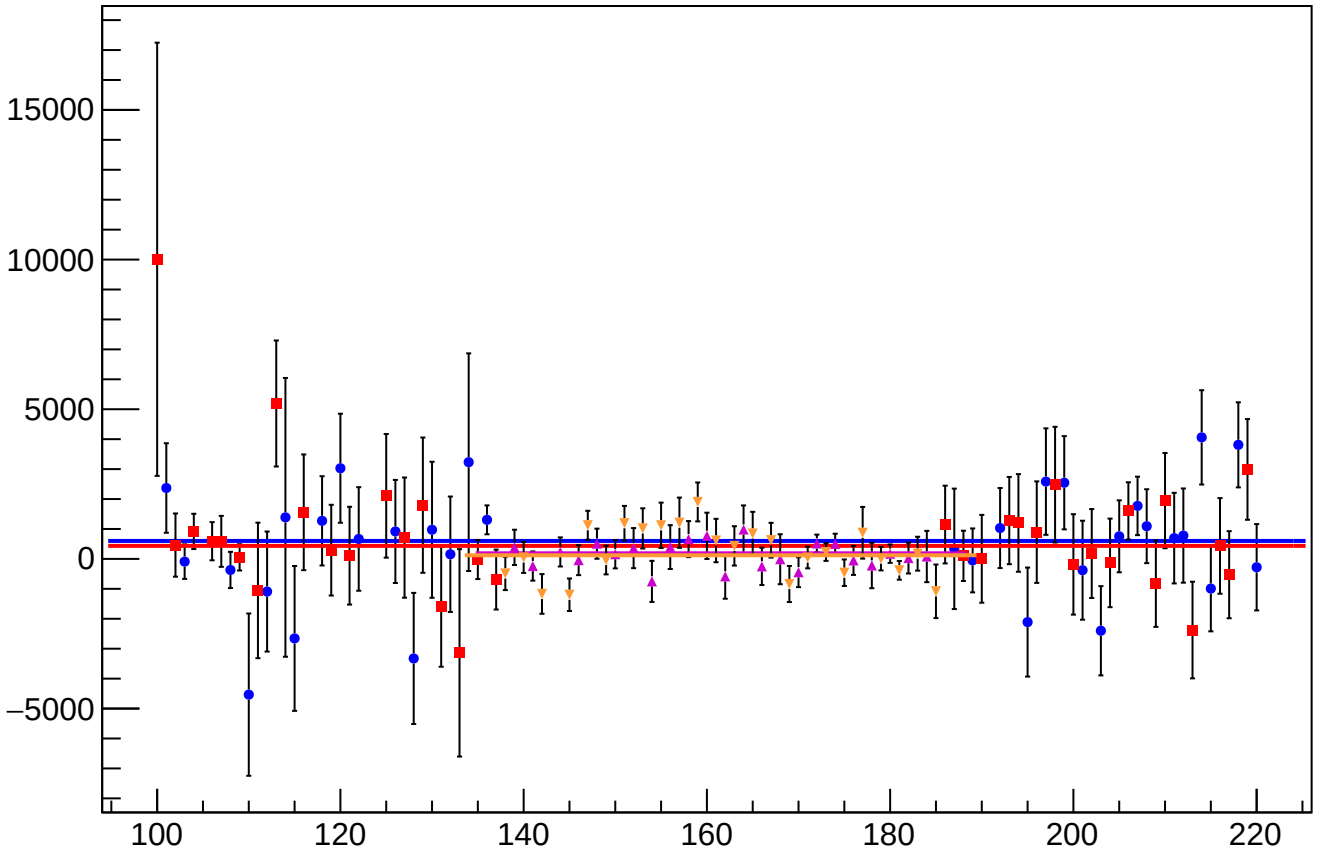
Right Out: 1531.906+/-0.239 χ^2/NDF: 654318.3/34

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1530.950+/-0.173 χ^2/NDF: 992431.4/56

All: 1532.276+/-0.123 χ^2/NDF: 1839409.3/11

- sign 1533.615+/-0.174 χ^2/NDF: 846860.1/57



Right In: 600.469+/-213.775 χ^2/NDF: 42.6/32

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

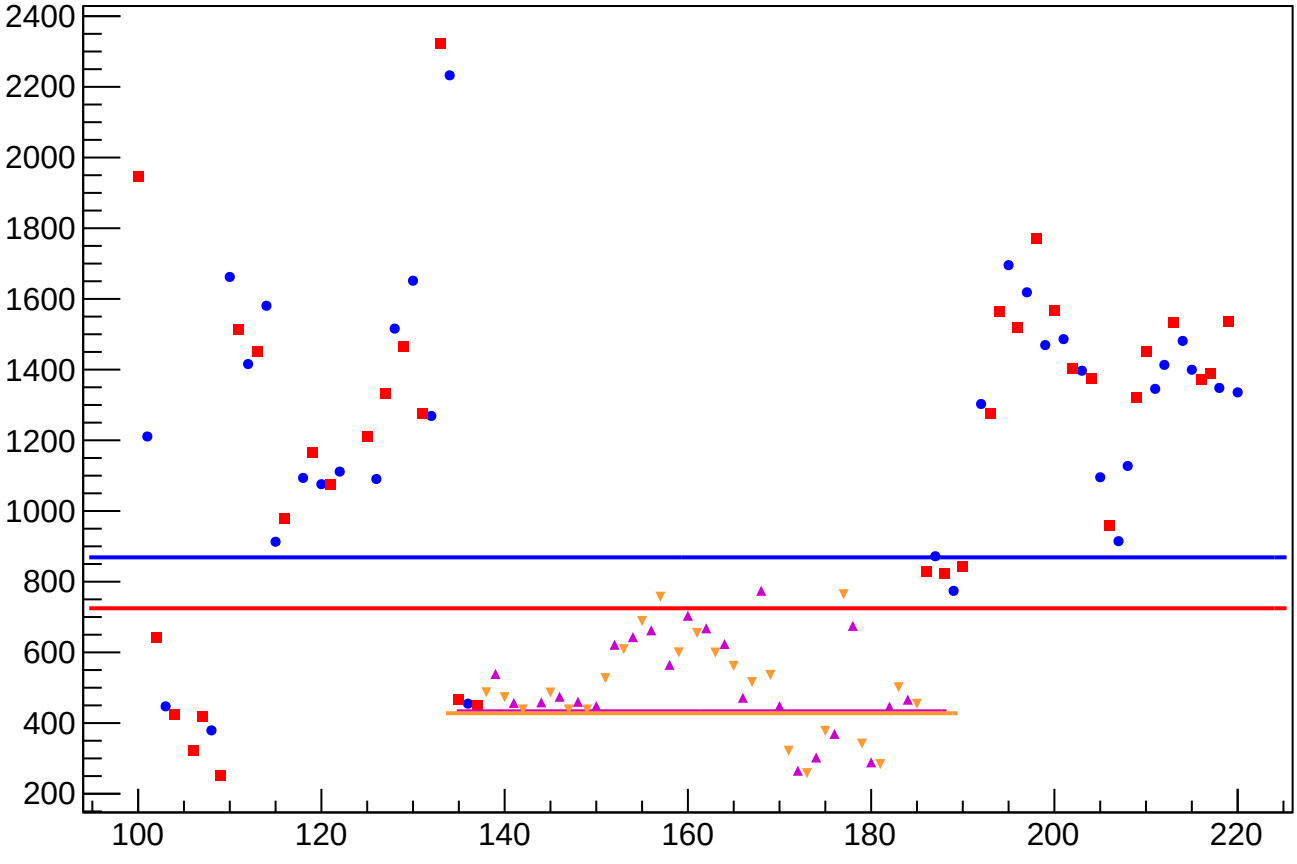
Right Out: 435.692+/-190.855 χ^2/NDF: 25.6/34

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 214.537+/-94.289 χ^2/NDF: 90.3/56

All: 230.674+/-66.326 χ^2/NDF: 128.8/114

- sign 246.480+/-93.317 χ^2/NDF: 38.5/57



Right In: 868.847+/-0.151 χ^2/NDF: 8681425.9/32

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 724.773+/-0.135 χ^2/NDF: 12096028.4/34

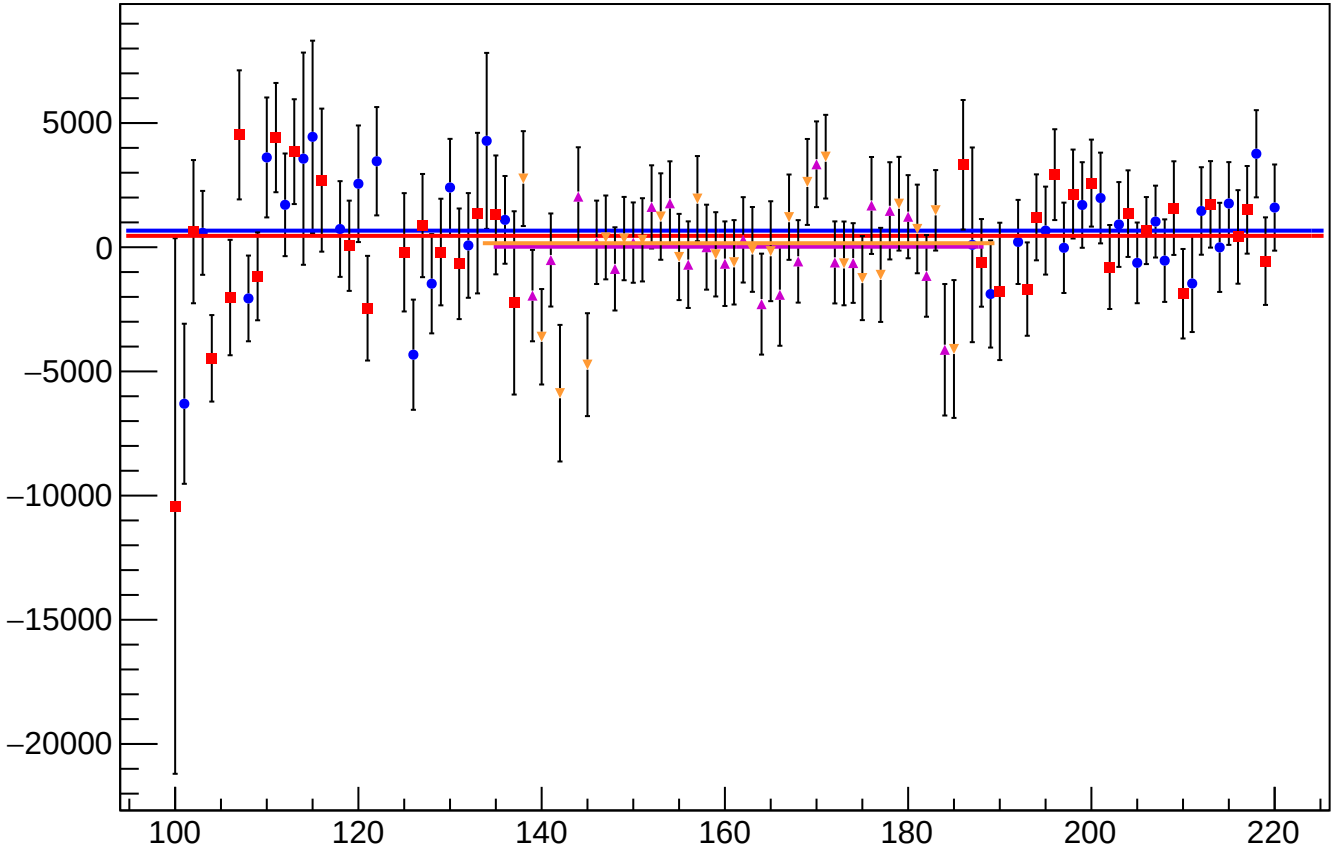
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 513.612+/-0.067 χ^2/NDF: 18726312.8/56

All: 508.235+/-0.047 χ^2/NDF: 37632966.9/11

- sign 502.968+/-0.066 χ^2/NDF: 18893779.6/57

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 667.557+/-339.616 χ^2/NDF: 29.9/32

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 458.023+/-341.256 χ^2/NDF: 35.0/34

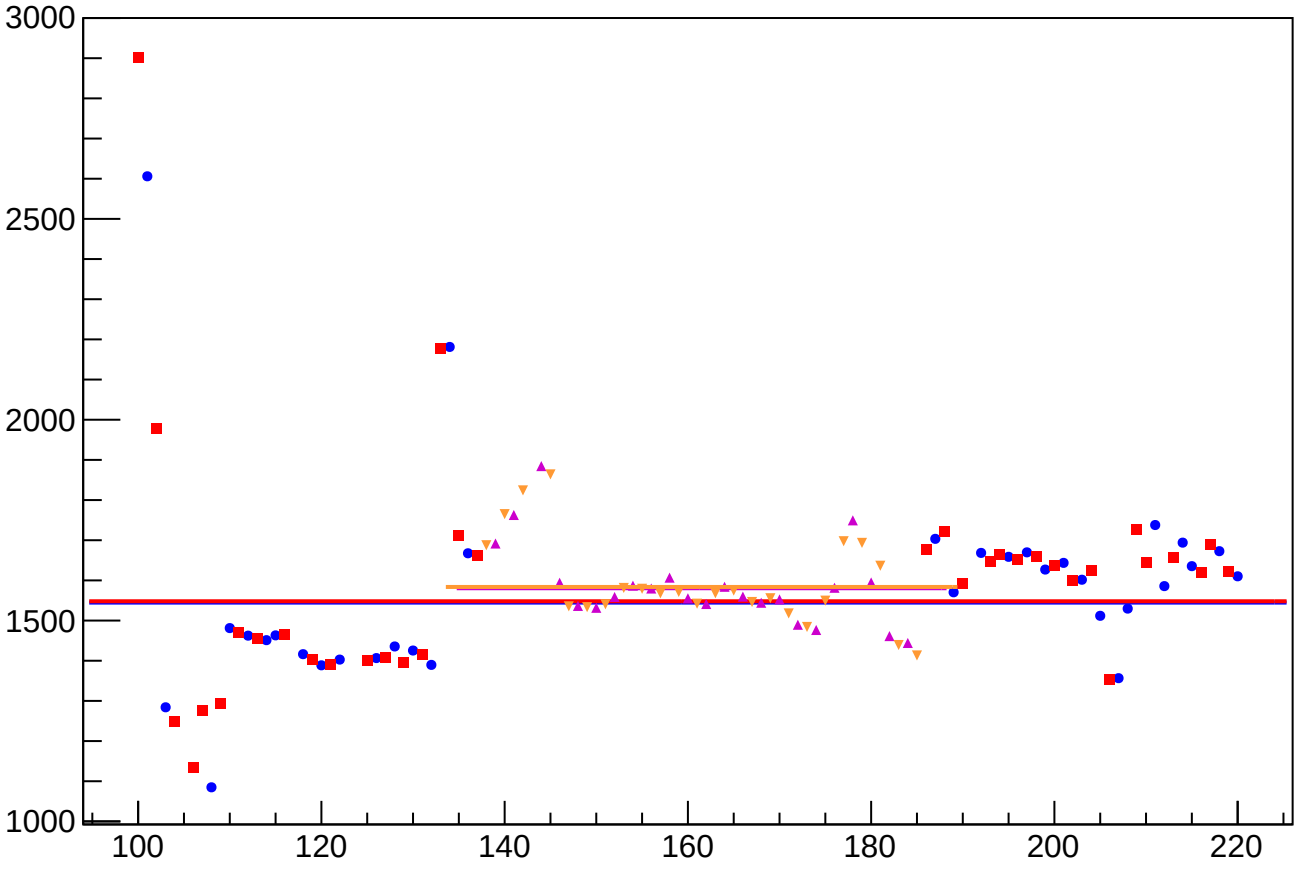
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

\+ sign 435.086+/-249.691 χ^2/NDF: 60.9/56

All: 346.268+/-176.943 χ^2/NDF: 112.9/114

\- sign 256.671+/-250.783 χ^2/NDF: 51.8/57

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1544.741+/-0.240 χ^2/NDF: 678588.1/32

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

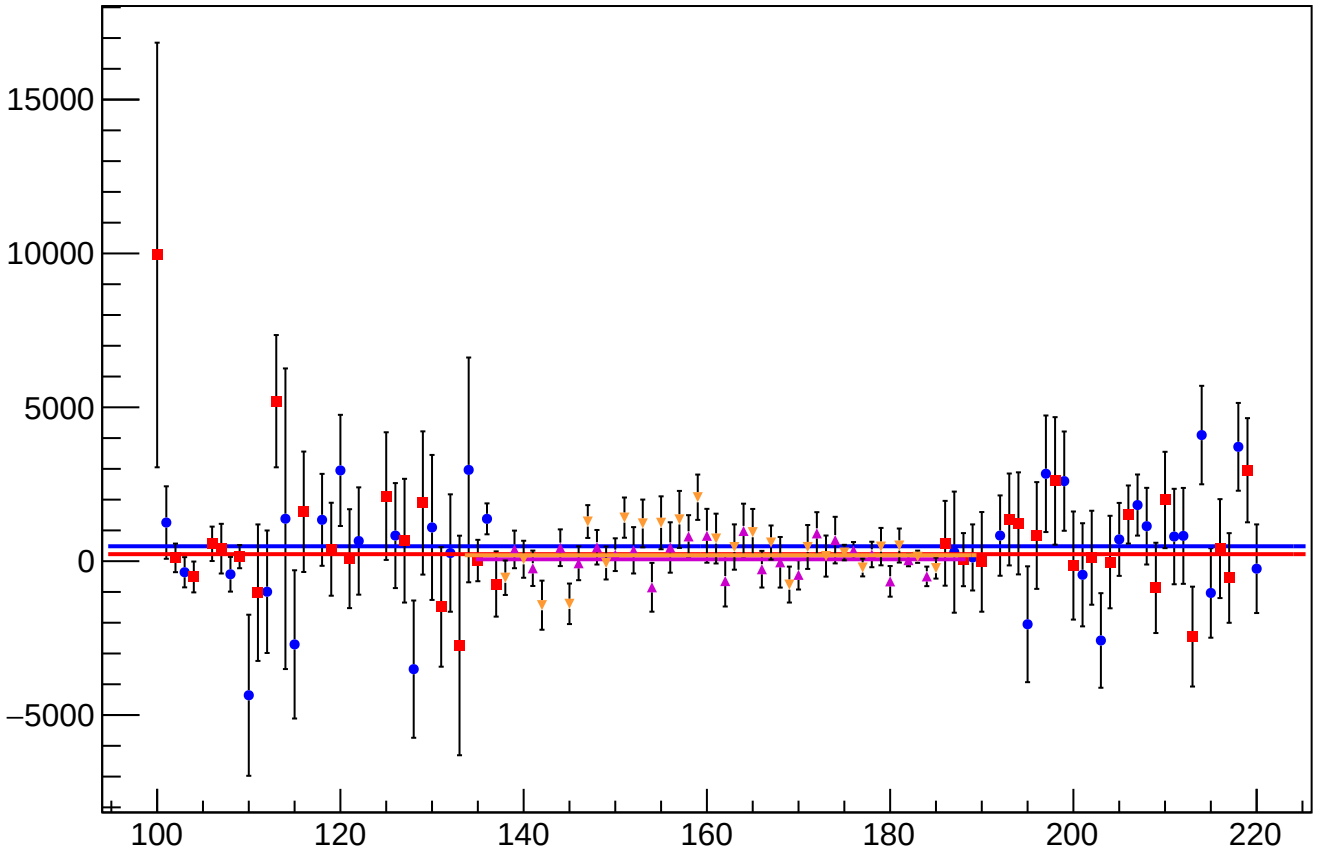
Right Out: 1548.060+/-0.241 χ^2/NDF: 572018.4/34

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1562.629+/-0.177 χ^2/NDF: 824246.8/56

All: 1562.796+/-0.125 χ^2/NDF: 1530307.0/11

- sign 1562.964+/-0.177 χ^2/NDF: 706058.4/57



Right In: 484.445+/-207.596 χ^2/NDF: 44.2/32

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

Right Out: 228.116+/-170.360 χ^2/NDF: 26.6/34

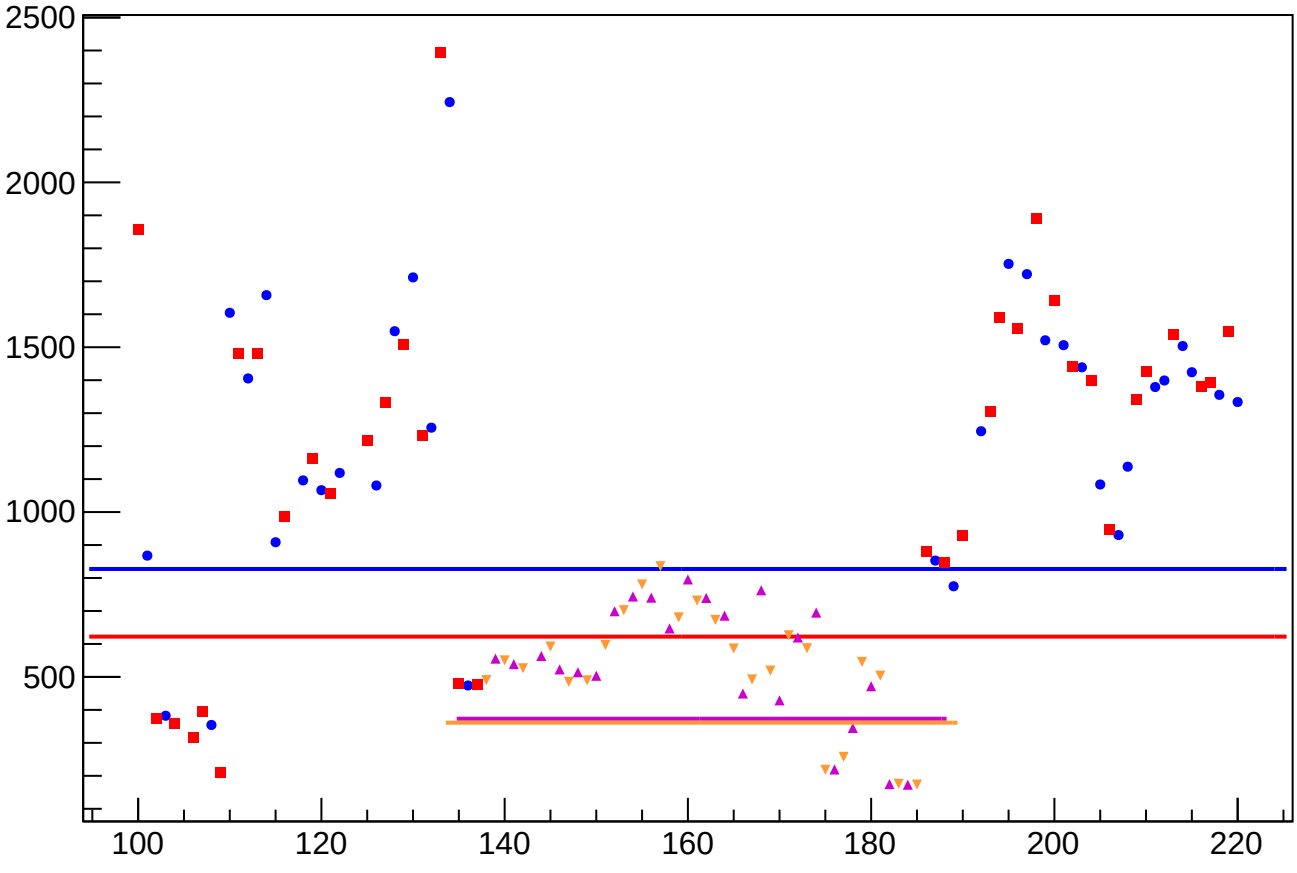
Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

+ sign 244.504+/-87.055 χ^2/NDF: 85.9/56

All: 173.710+/-61.202 χ^2/NDF: 131.5/114

- sign 104.526+/-86.059 χ^2/NDF: 44.3/57

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug



Right In: 827.374+/-0.147 χ^2/NDF: 9666714.6/32

Left Out: 361.100+/-0.068 χ^2/NDF:8183123.9/23

Right Out: 622.213+/-0.120 χ^2/NDF: 14910796.2/34

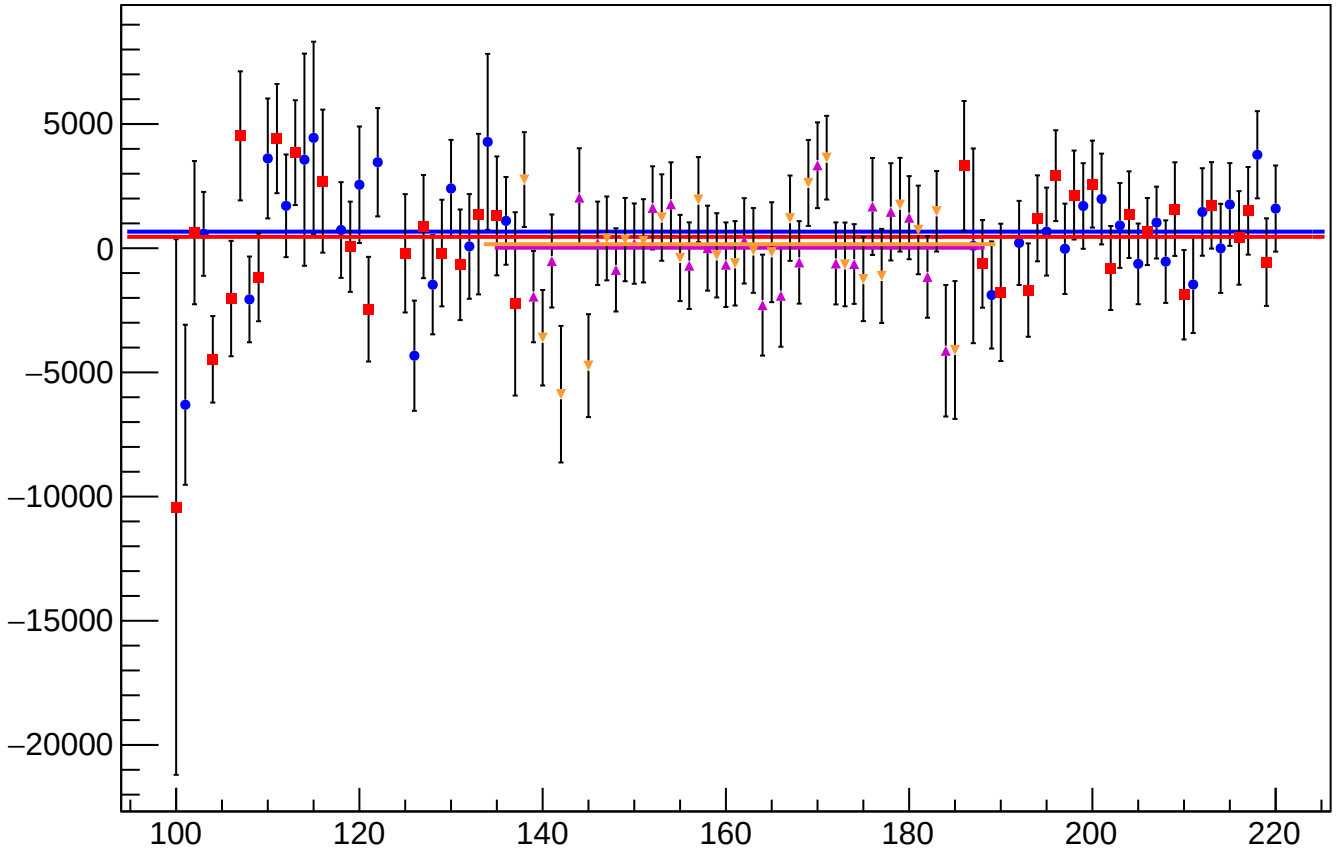
Left In: 373.140+/-0.071 χ^2/NDF:8207354.5/22

+ sign 443.095+/-0.062 χ^2/NDF: 26165217.8/56

All: 439.860+/-0.043 χ^2/NDF: 52473001.0/11

- sign 436.699+/-0.061 χ^2/NDF: 26302323.9/57

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 667.549+/-339.616 χ^2/NDF: 29.9/32

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

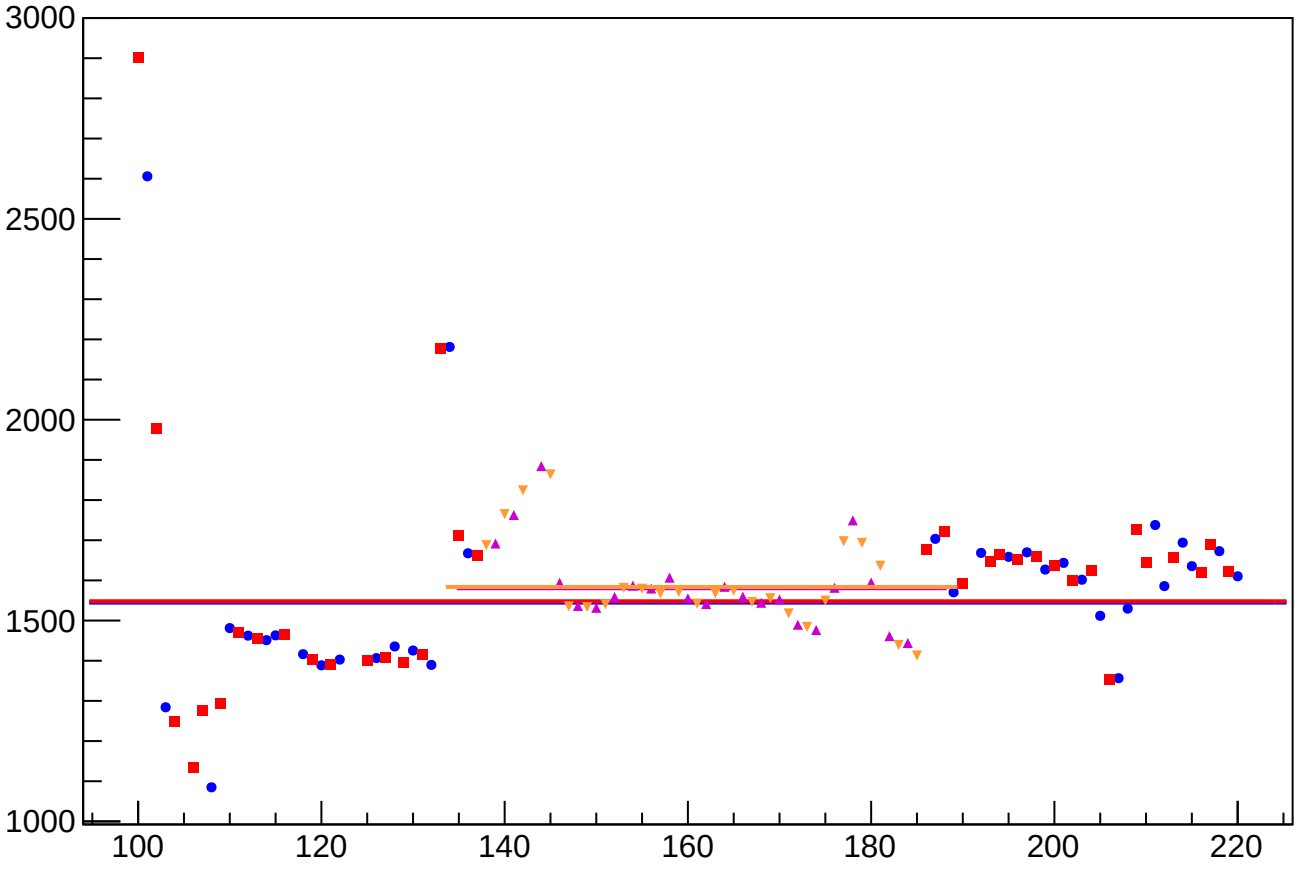
Right Out: 458.022+/-341.256 χ^2/NDF: 35.0/34

Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

\+ sign 435.080+/-249.691 χ^2/NDF: 60.9/56

All: 346.264+/-176.943 χ^2/NDF: 112.9/114

\- sign 256.670+/-250.783 χ^2/NDF: 51.8/57



Right In: 1544.741+/-0.240 χ^2/NDF: 678587.6/32

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

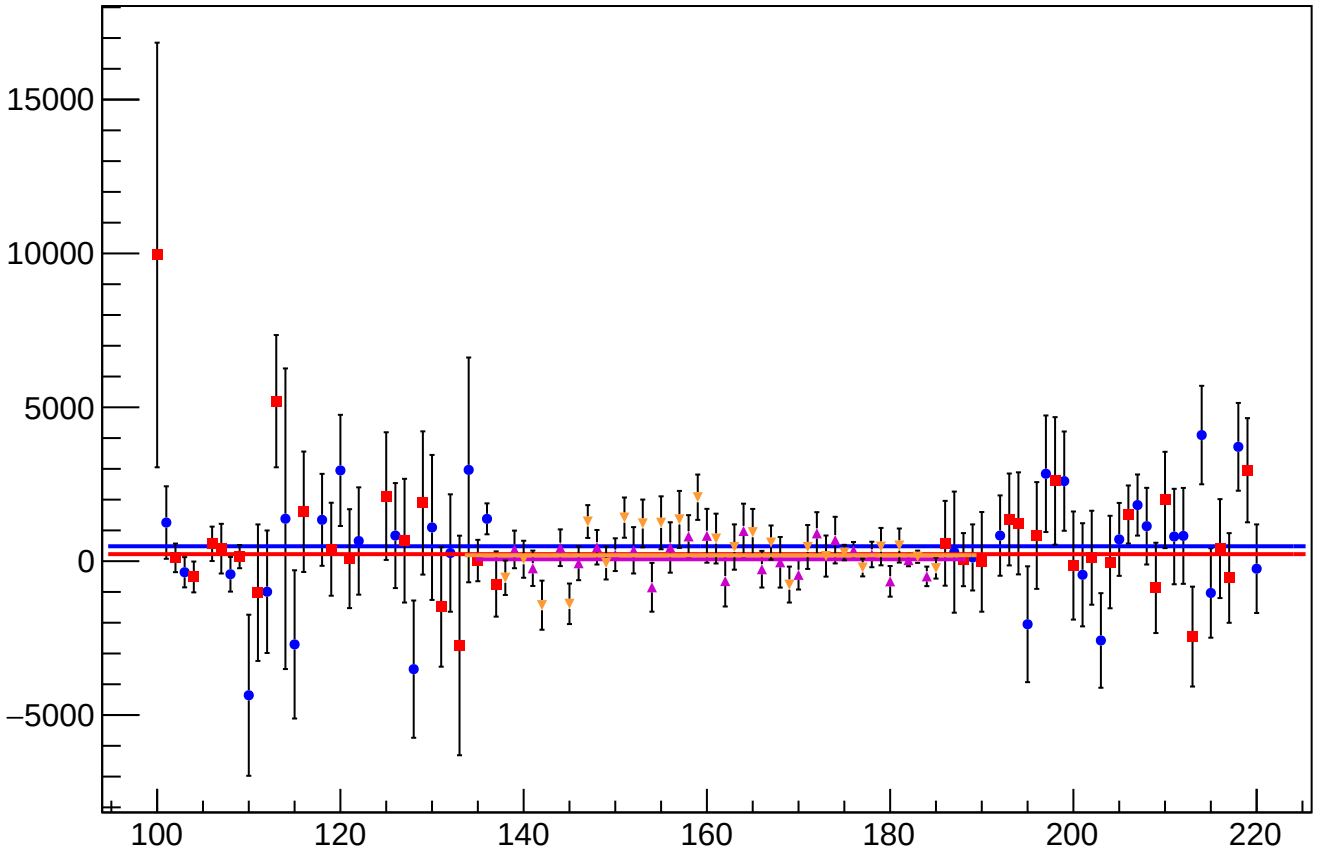
Right Out: 1548.060+/-0.241 χ^2/NDF: 572018.4/34

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1562.629+/-0.177 χ^2/NDF: 824246.4/56

All: 1562.796+/-0.125 χ^2/NDF: 1530306.4/11

- sign 1562.964+/-0.177 χ^2/NDF: 706058.2/57



Right In: 484.441+/-207.595 χ^2/NDF: 44.2/32

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

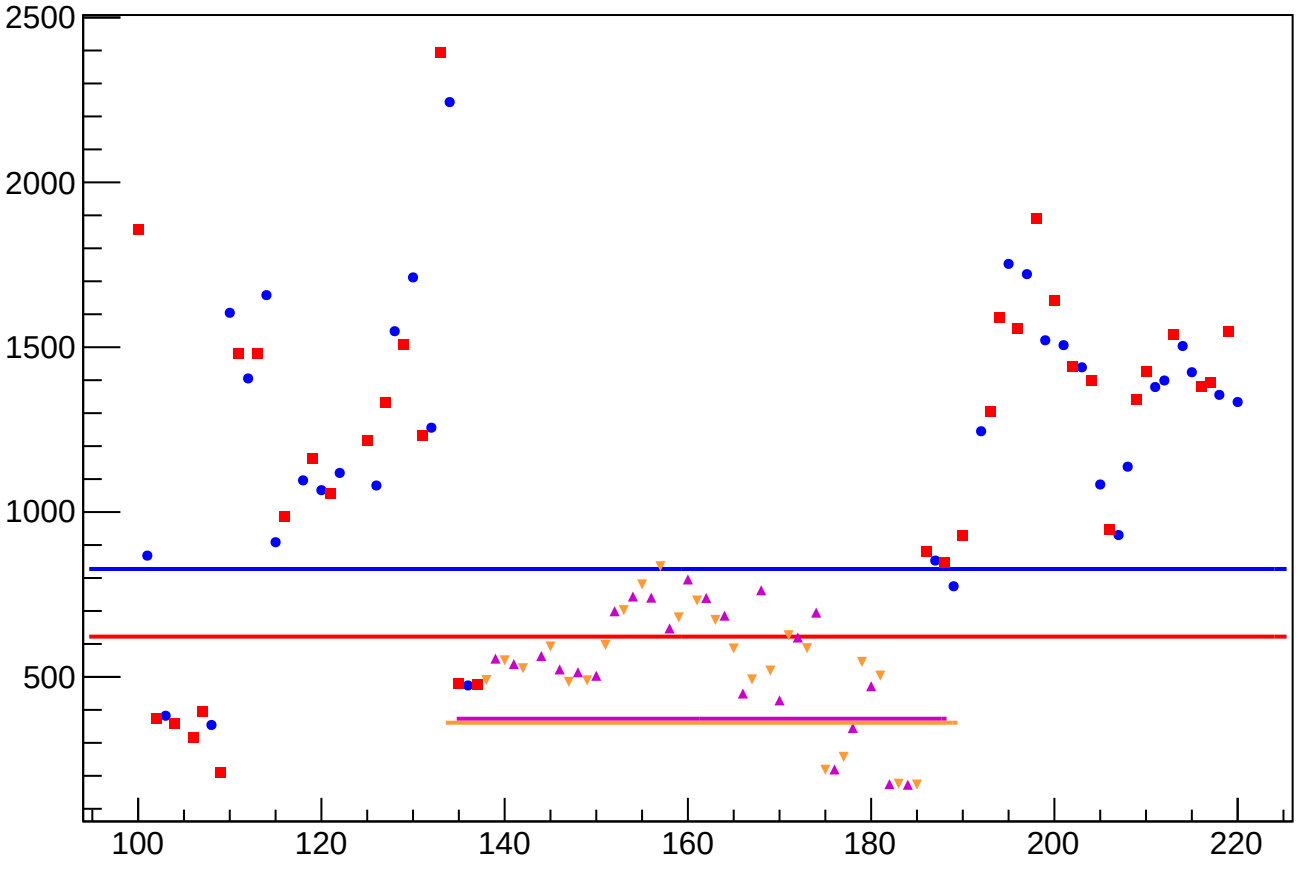
Right Out: 228.115+/-170.361 χ^2/NDF: 26.6/34

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

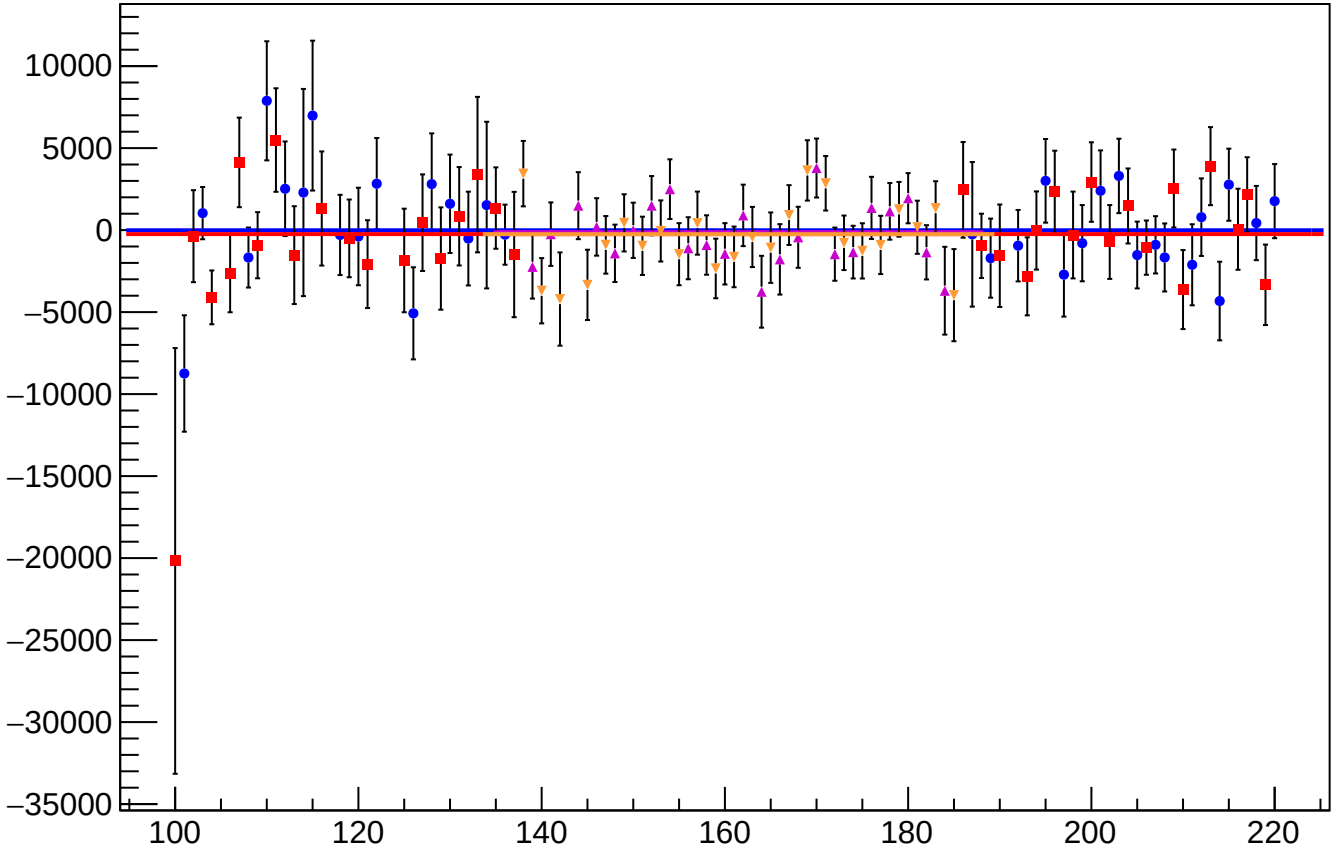
+ sign 244.509+/-87.055 χ^2/NDF: 85.9/56

All: 173.711+/-61.202 χ^2/NDF: 131.5/114

- sign 104.524+/-86.059 χ^2/NDF: 44.3/57


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 827.371+/-0.147 χ²/NDF: 9666713.3/32
Left Out: 361.103+/-0.068 χ²/NDF:8182968.2/23
Right Out: 622.220+/-0.120 χ²/NDF: 14910586.6/34
Left In: 373.145+/-0.071 χ²/NDF:8207110.6/22
+ sign 443.099+/-0.062 χ²/NDF: 26164852.7/56
All: 439.865+/-0.043 χ²/NDF: 52472188.0/11
- sign 436.705+/-0.061 χ²/NDF: 26301878.8/57

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: -10.147+/-428.207 χ^2/NDF: 35.1/32

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -244.277+/-426.989 χ^2/NDF: 32.6/34

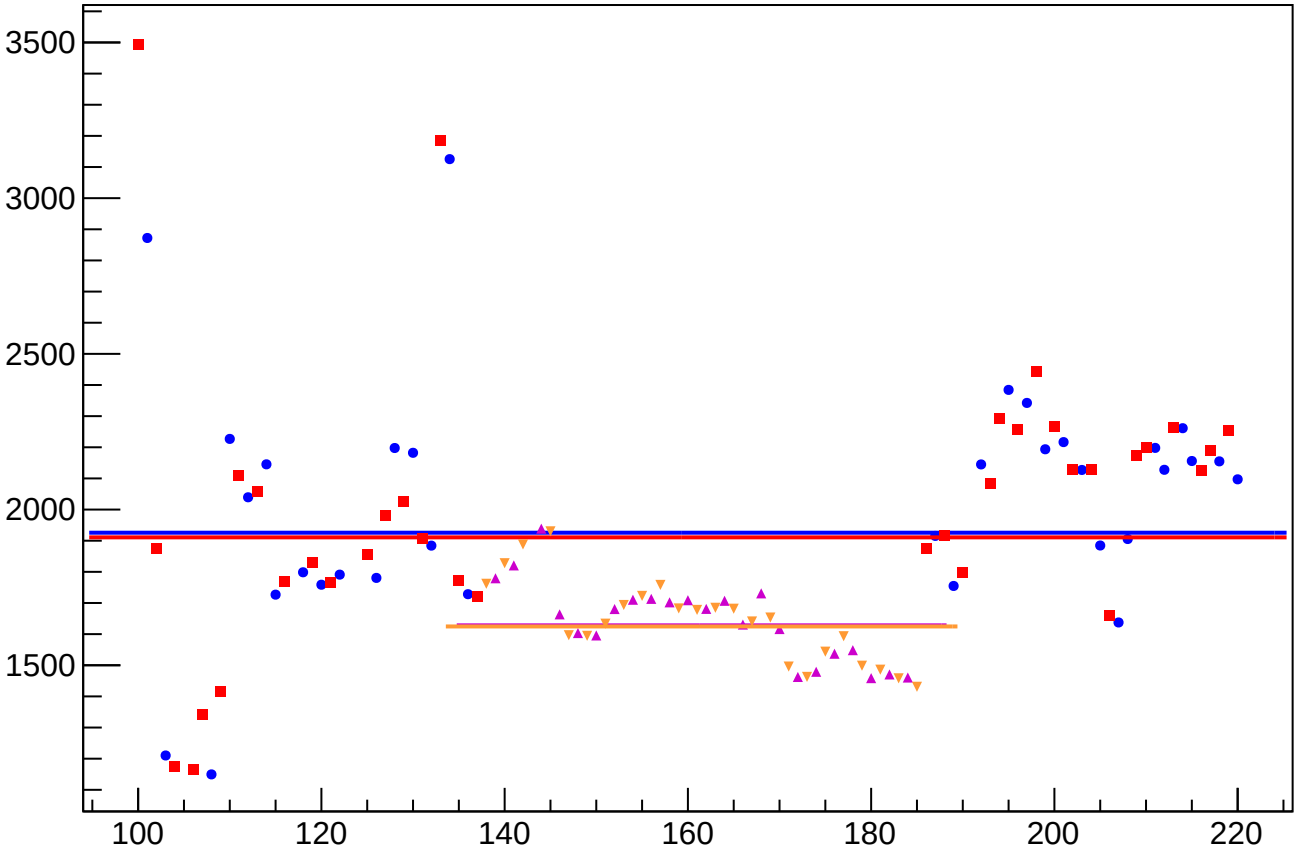
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -143.259+/-283.477 χ^2/NDF: 61.3/56

All: -160.841+/-200.777 χ^2/NDF: 115.1/114

- sign -178.538+/-284.408 χ^2/NDF: 53.8/57

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1925.696+/-0.303 χ^2/NDF: 1522165.5/32

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

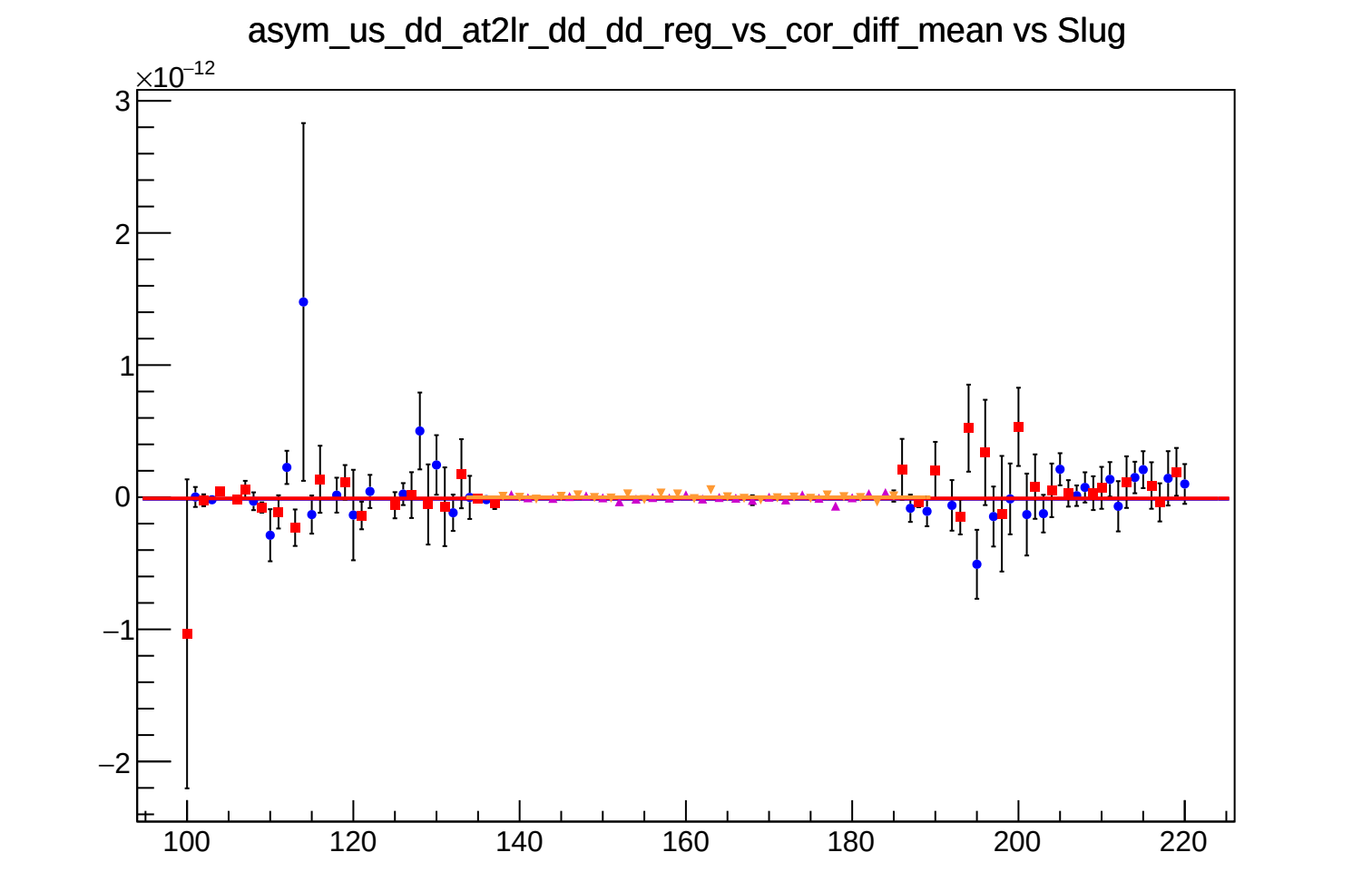
Right Out: 1910.732+/-0.302 χ^2/NDF: 1510538.7/34

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1756.565+/-0.200 χ^2/NDF: 2284852.2/56

All: 1755.068+/-0.142 χ^2/NDF: 4487471.5/11

- sign 1753.560+/-0.201 χ^2/NDF: 2202507.3/57



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

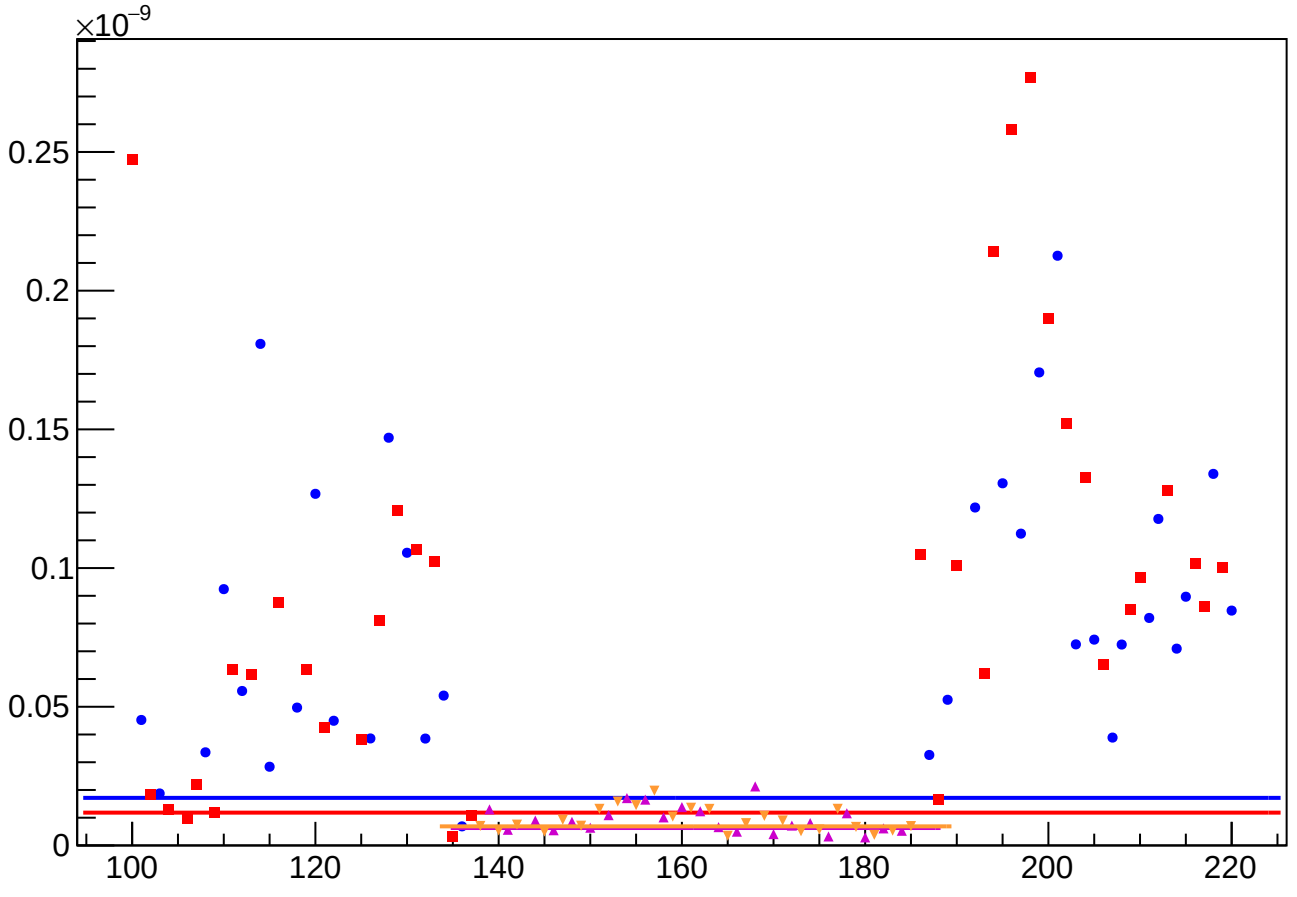
Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/34

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.3/56

All: -0.000+/-0.000 χ^2/NDF: 108.8/114

- sign -0.000+/-0.000 χ^2/NDF: 54.5/57



Right In: 0.000+/-0.000 χ^2/NDF: 11357925.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

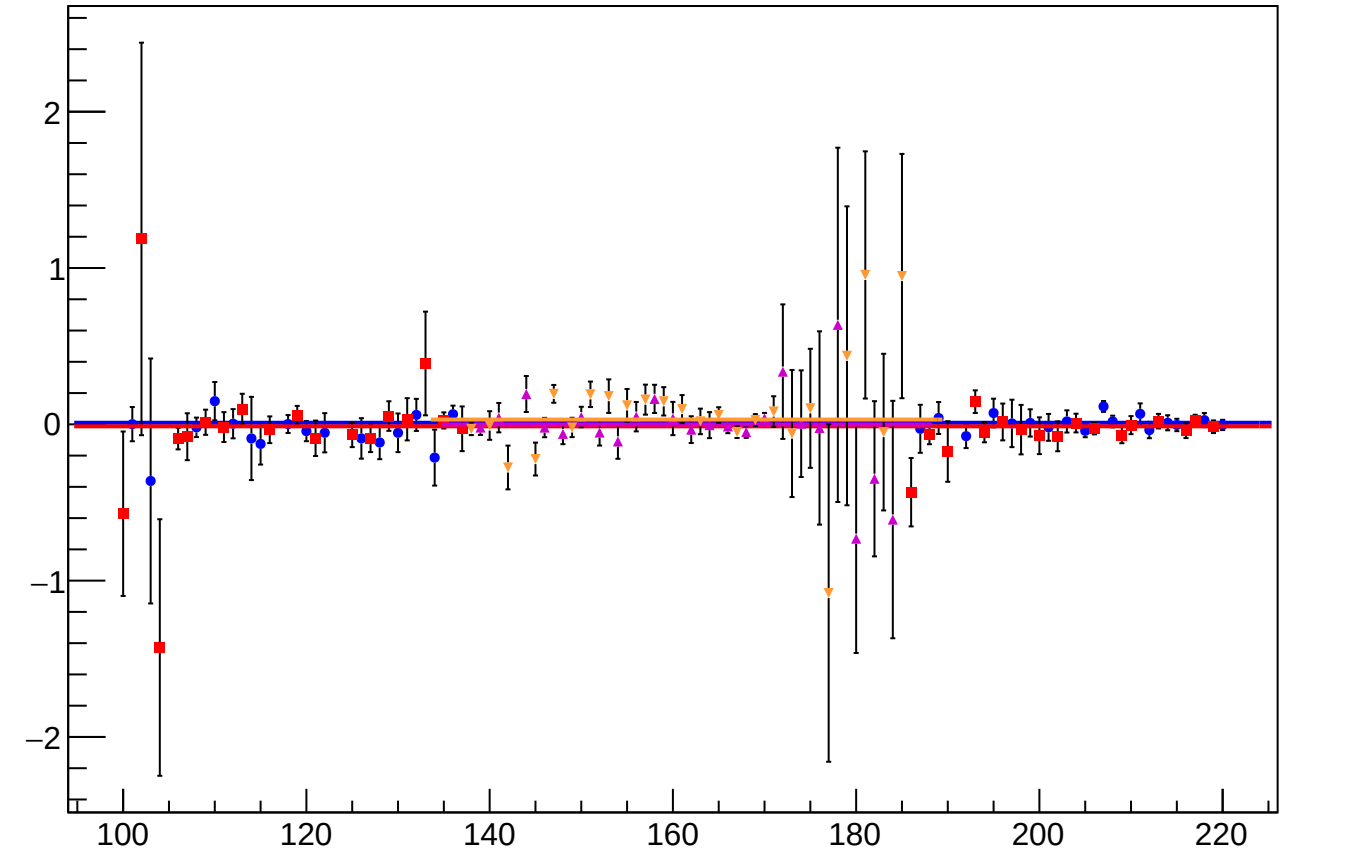
Right Out: 0.000+/-0.000 χ^2/NDF: 13208946.5/34

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 15629092.0/56

All: 0.000+/-0.000 χ^2/NDF: 32635750.6/114

- sign 0.000+/-0.000 χ^2/NDF: 16899412.4/57



Right In: 0.010+/-0.011 χ^2/NDF: 23.5/32

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

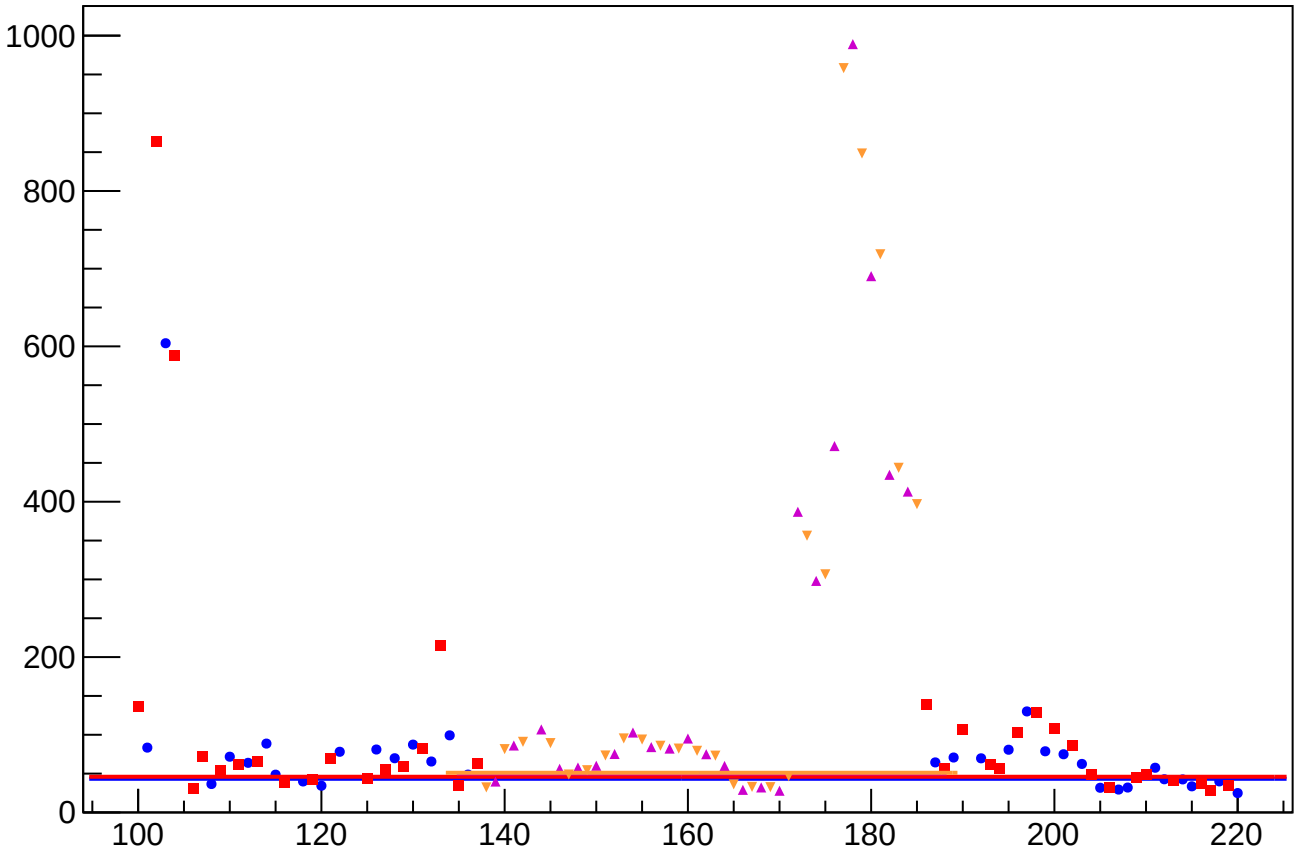
Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/34

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 66.3/56

All: 0.005+/-0.007 χ^2/NDF: 114.8/114

- sign -0.008+/-0.009 χ^2/NDF: 44.7/57



Right In: 43.338+/-0.008 χ^2/NDF: 6292279.3/32

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

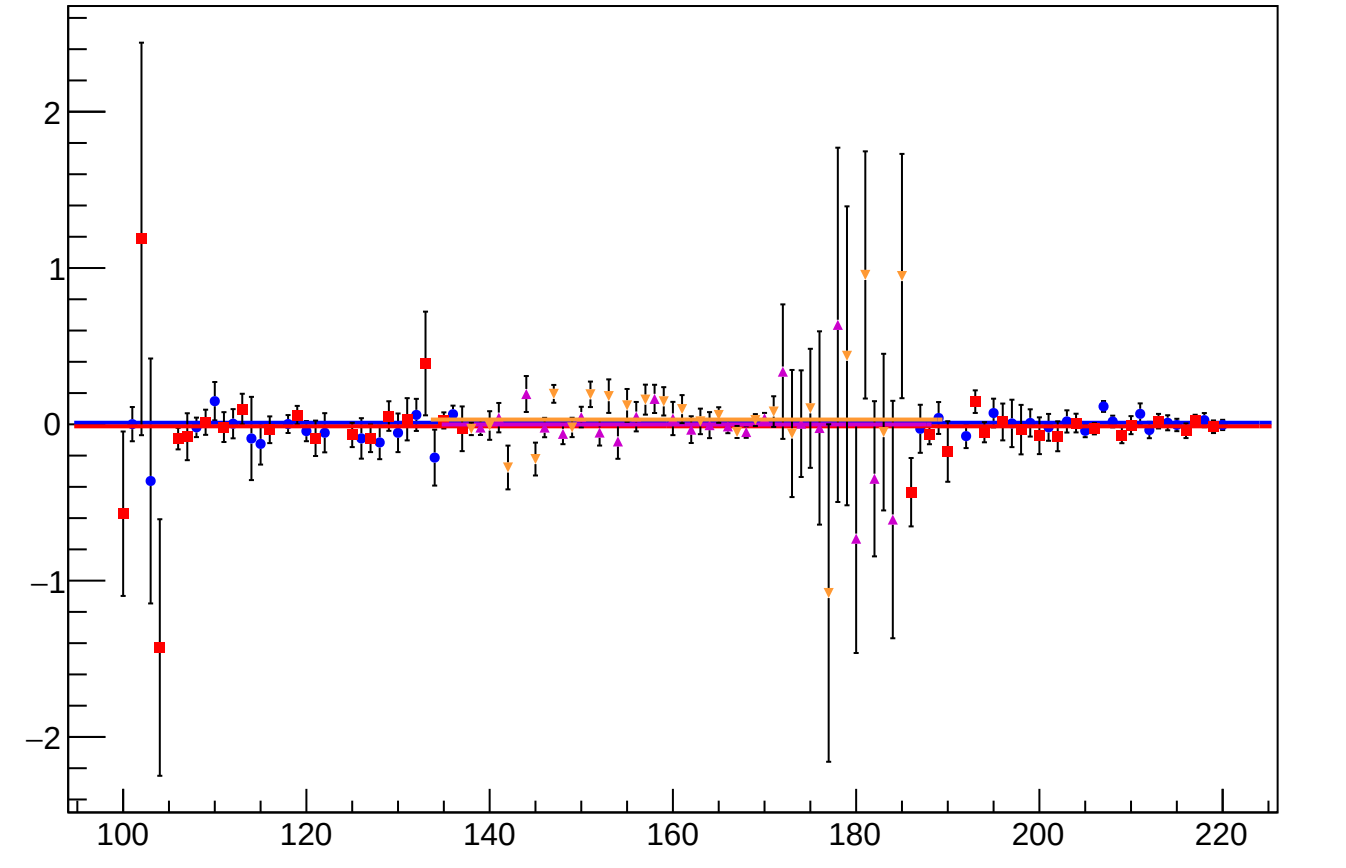
Right Out: 45.958+/-0.008 χ^2/NDF: 6765866.2/34

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 45.989+/-0.006 χ^2/NDF: 18358307.0/56

All: 46.756+/-0.005 χ^2/NDF: 37448178.5/114

- sign 47.579+/-0.007 χ^2/NDF: 19060118.2/57



Right In: 0.010+/-0.011 χ^2/NDF: 23.5/32

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

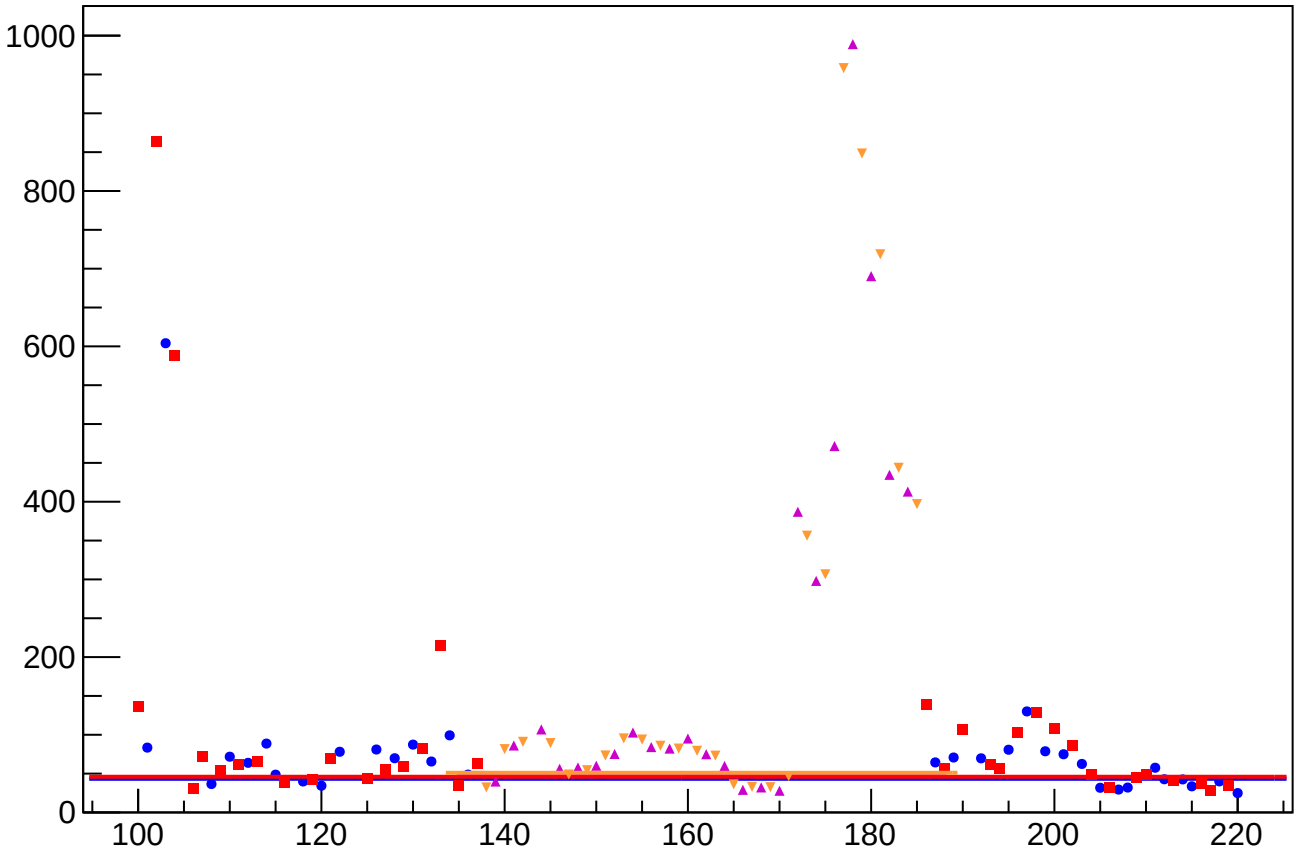
Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/34

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 66.3/56

All: 0.005+/-0.007 χ^2/NDF: 114.8/114

- sign -0.008+/-0.009 χ^2/NDF: 44.7/57



Right In: 43.338+/-0.008 χ^2/NDF: 6292279.3/32

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

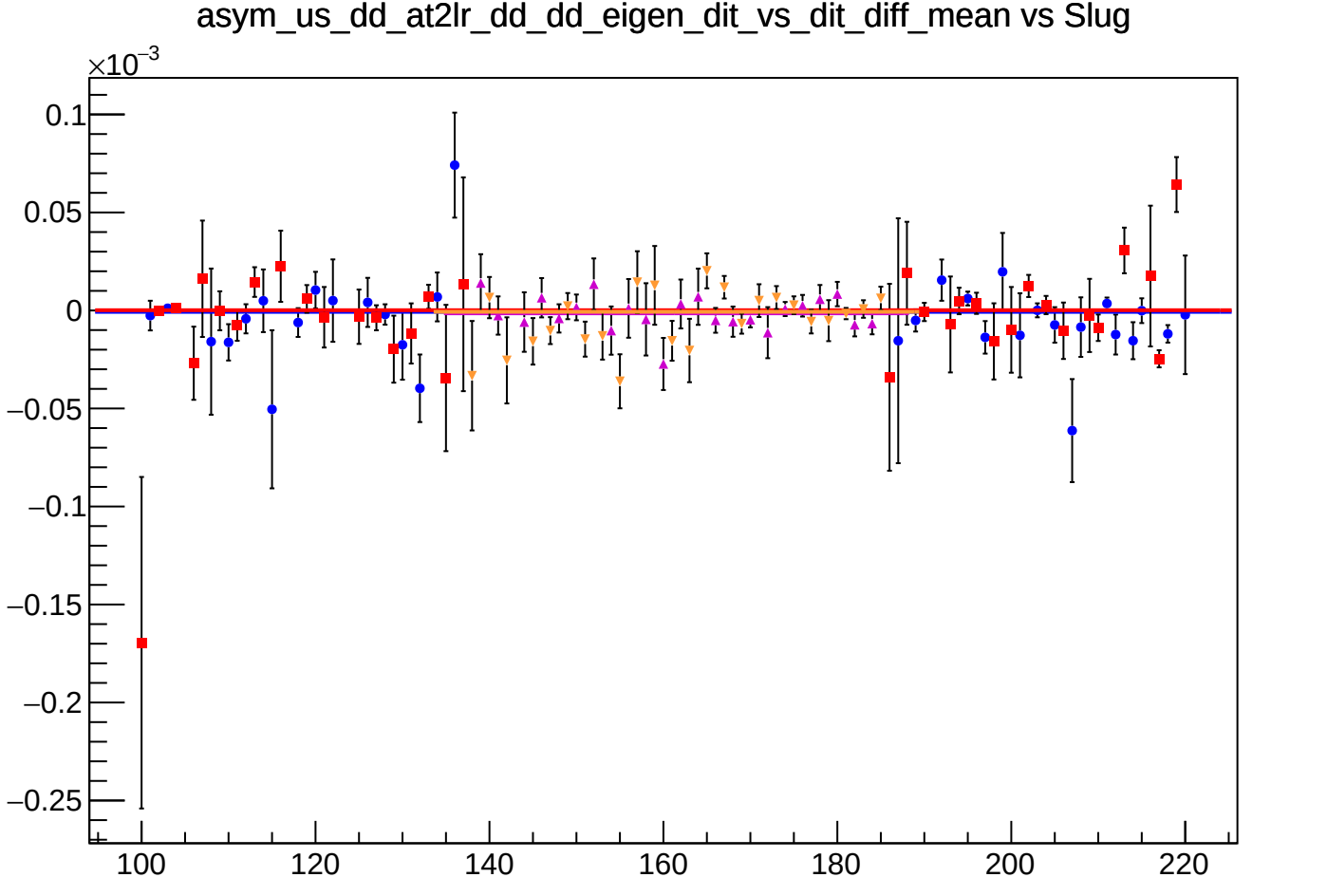
Right Out: 45.958+/-0.008 χ^2/NDF: 6765866.2/34

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 45.989+/-0.006 χ^2/NDF: 18358307.0/56

All: 46.756+/-0.005 χ^2/NDF: 37448178.5/114

- sign 47.579+/-0.007 χ^2/NDF: 19060118.2/57



Right In: -0.000+/-0.000 χ^2/NDF: 50.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

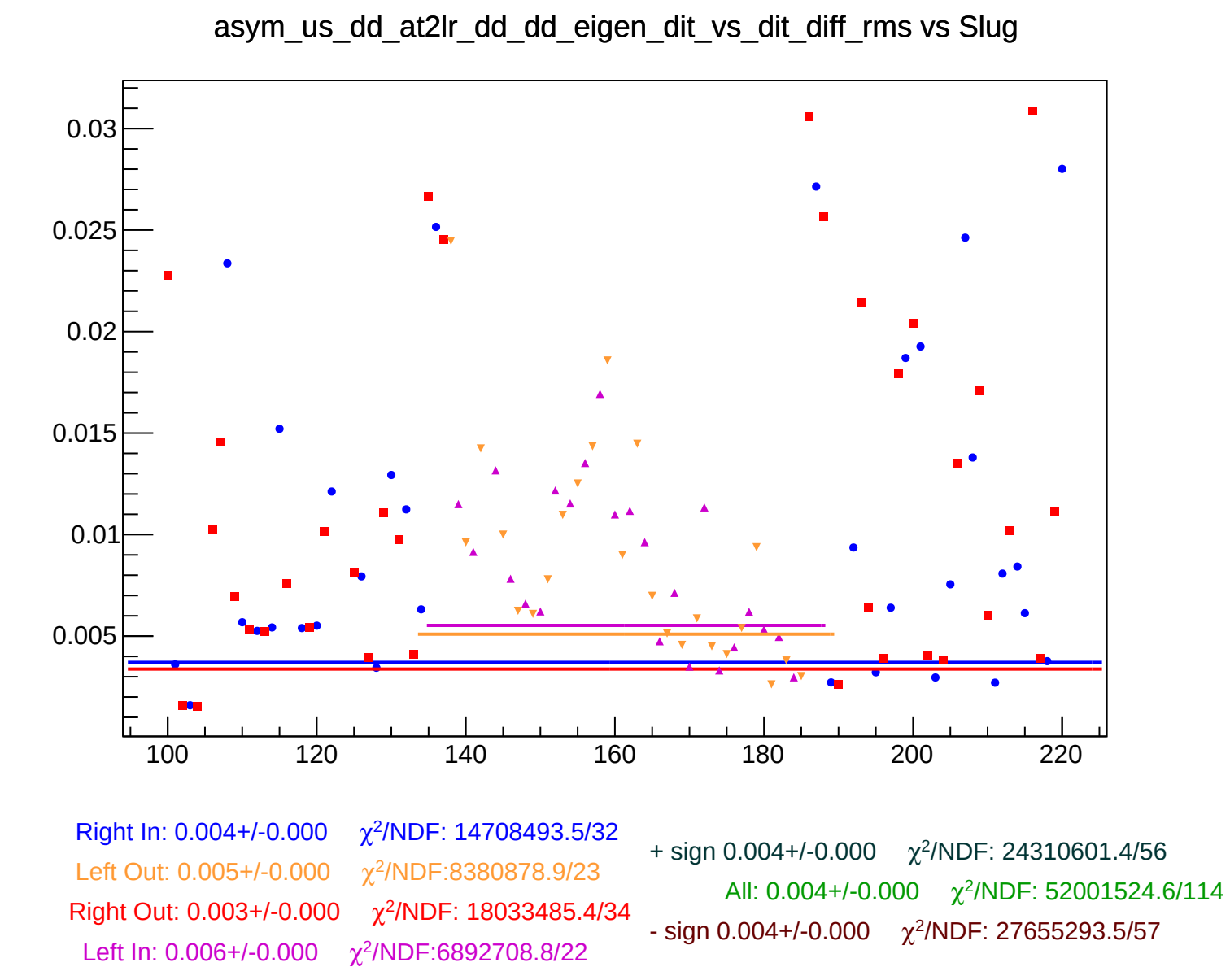
Right Out: 0.000+/-0.000 χ^2/NDF: 88.6/34

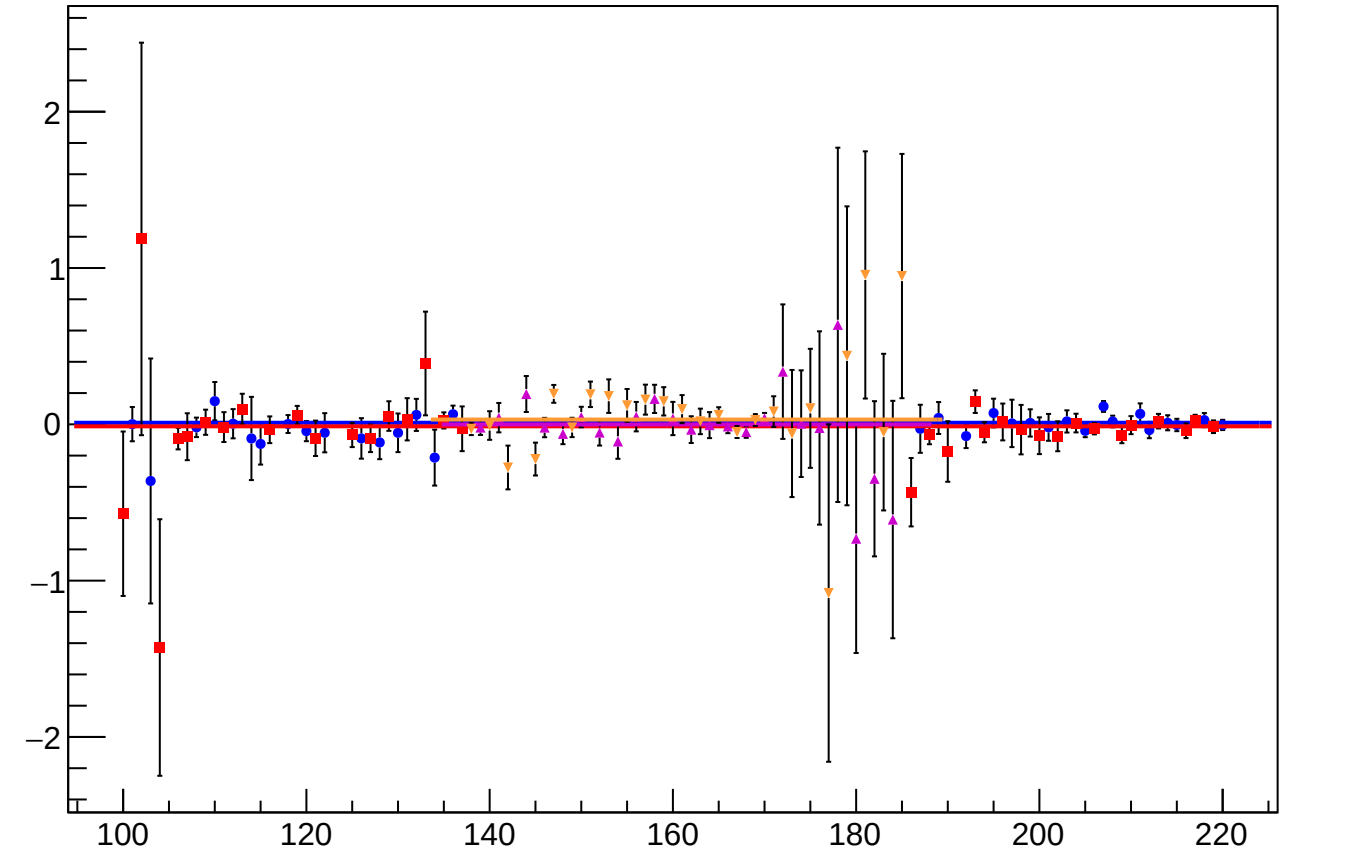
Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.3/56

All: -0.000+/-0.000 χ^2/NDF: 195.2/114

- sign -0.000+/-0.000 χ^2/NDF: 105.8/57


asym_us_dd_at2lr_dd_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
220
Right In: 0.004+/-0.000 χ²/NDF: 14708493.5/32
Left Out: 0.005+/-0.000 χ²/NDF:8380878.9/23
Right Out: 0.003+/-0.000 χ²/NDF: 18033485.4/34
Left In: 0.006+/-0.000 χ²/NDF:6892708.8/22
+ sign 0.004+/-0.000 χ²/NDF: 24310601.4/56
All: 0.004+/-0.000 χ²/NDF: 52001524.6/114
- sign 0.004+/-0.000 χ²/NDF: 27655293.5/57



Right In: 0.010+/-0.011 χ^2/NDF: 23.5/32

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

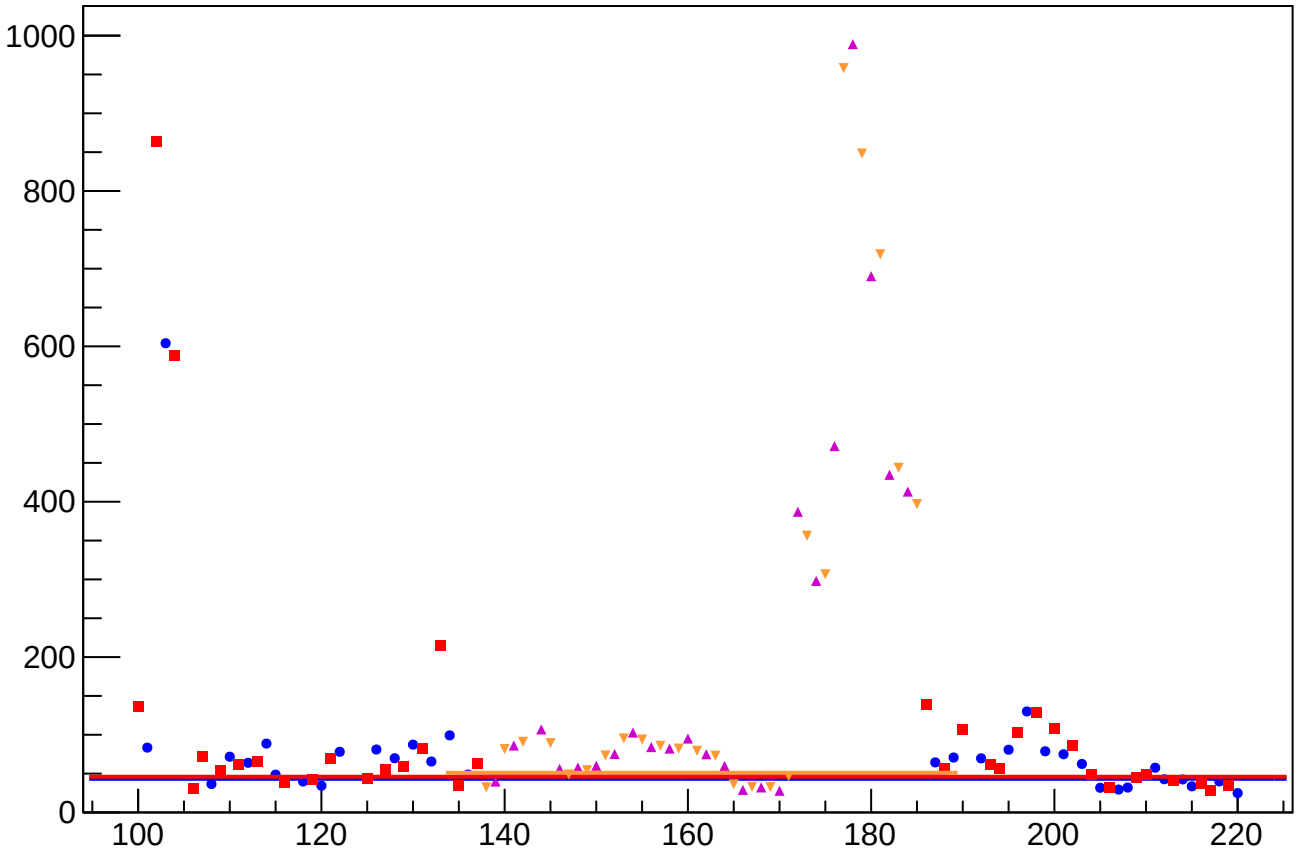
Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/34

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 66.2/56

All: 0.005+/-0.007 χ^2/NDF: 114.8/114

- sign -0.008+/-0.009 χ^2/NDF: 44.7/57



Right In: 43.337+/-0.008 χ^2/NDF: 6292563.0/32

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

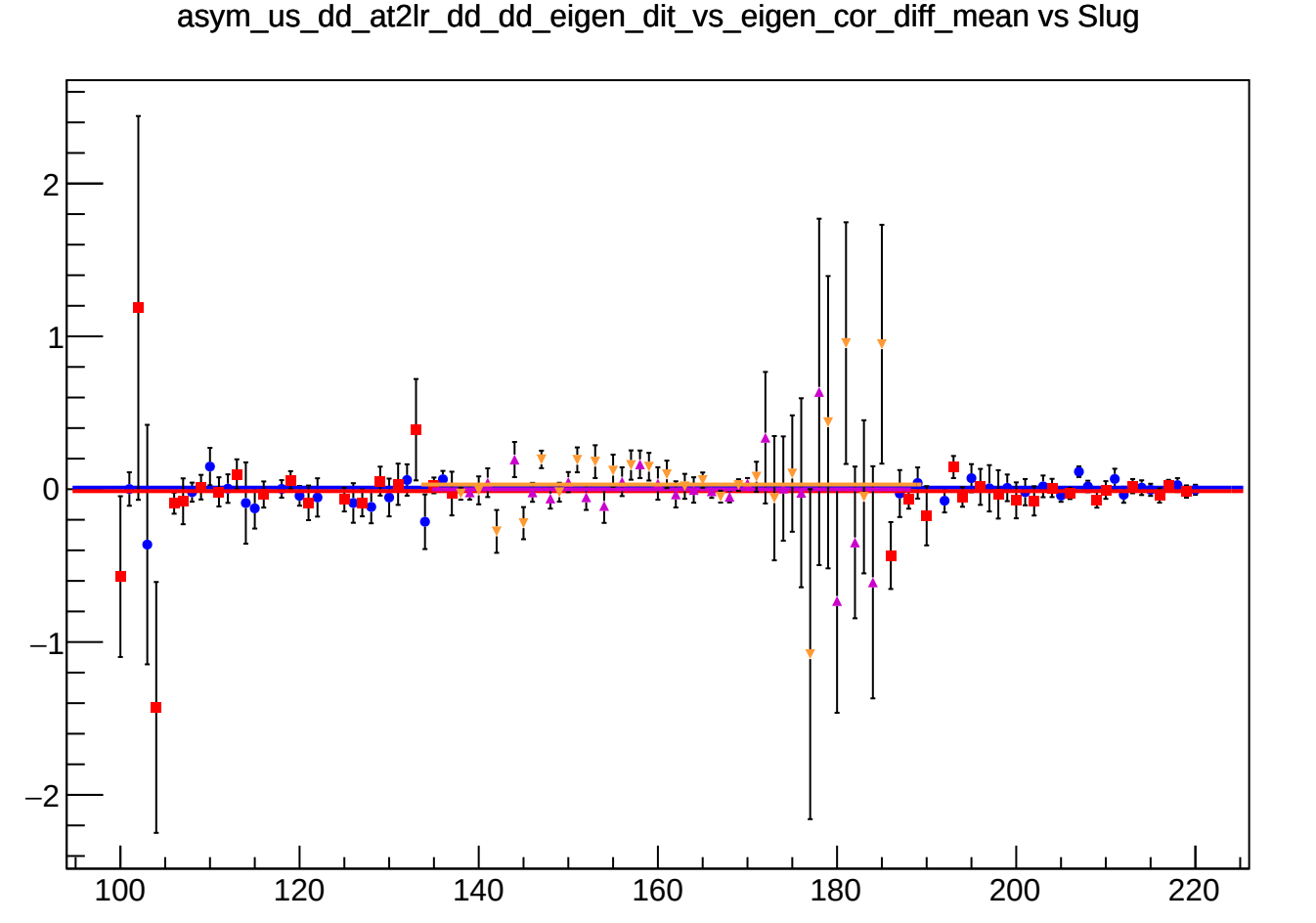
Right Out: 45.961+/-0.008 χ^2/NDF: 6765082.4/34

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 45.989+/-0.006 χ^2/NDF: 18358017.6/56

All: 46.757+/-0.005 χ^2/NDF: 37446972.1/114

- sign 47.580+/-0.007 χ^2/NDF: 19059138.0/57



Right In: 0.010+/-0.011 χ^2/NDF: 23.5/32

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

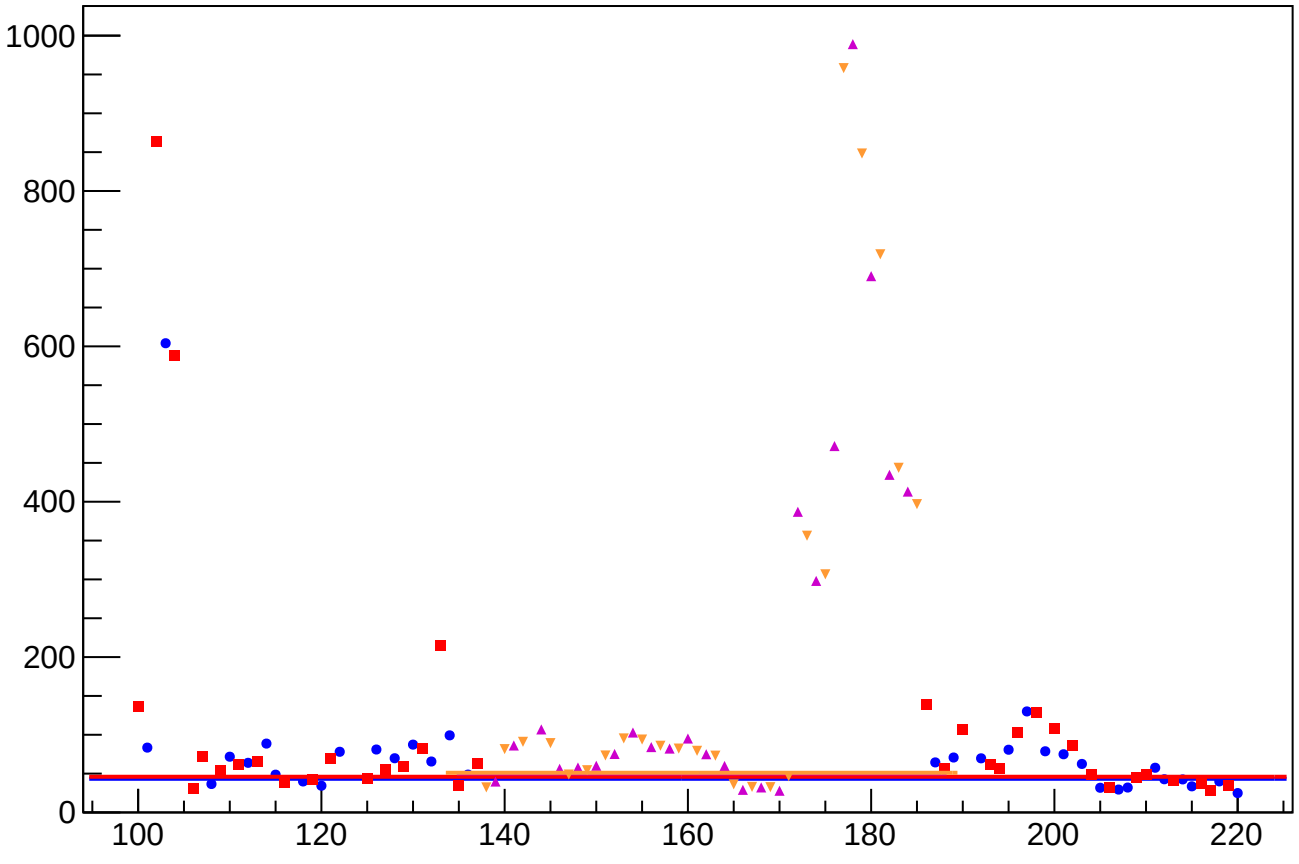
Right Out: -0.013+/-0.012 χ^2/NDF: 28.3/34

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.017+/-0.009 χ^2/NDF: 66.2/56

All: 0.005+/-0.007 χ^2/NDF: 114.8/114

- sign -0.008+/-0.009 χ^2/NDF: 44.7/57



Right In: 43.337+/-0.008 χ^2/NDF: 6292563.0/32

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

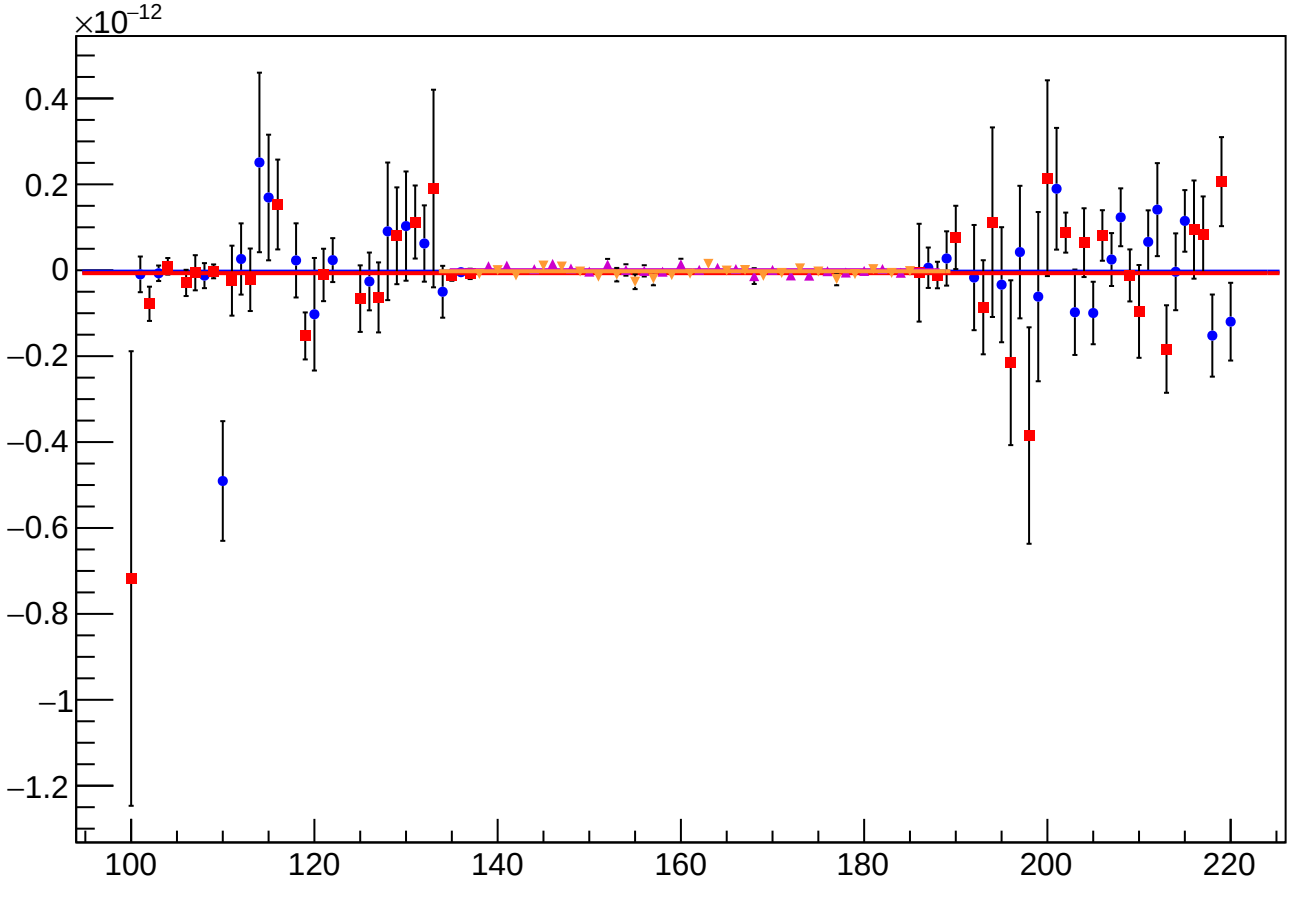
Right Out: 45.961+/-0.008 χ^2/NDF: 6765082.4/34

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 45.989+/-0.006 χ^2/NDF: 18358017.6/56

All: 46.757+/-0.005 χ^2/NDF: 37446972.1/114

- sign 47.580+/-0.007 χ^2/NDF: 19059138.0/57



Right In: -0.000+/-0.000 χ^2/NDF: 36.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

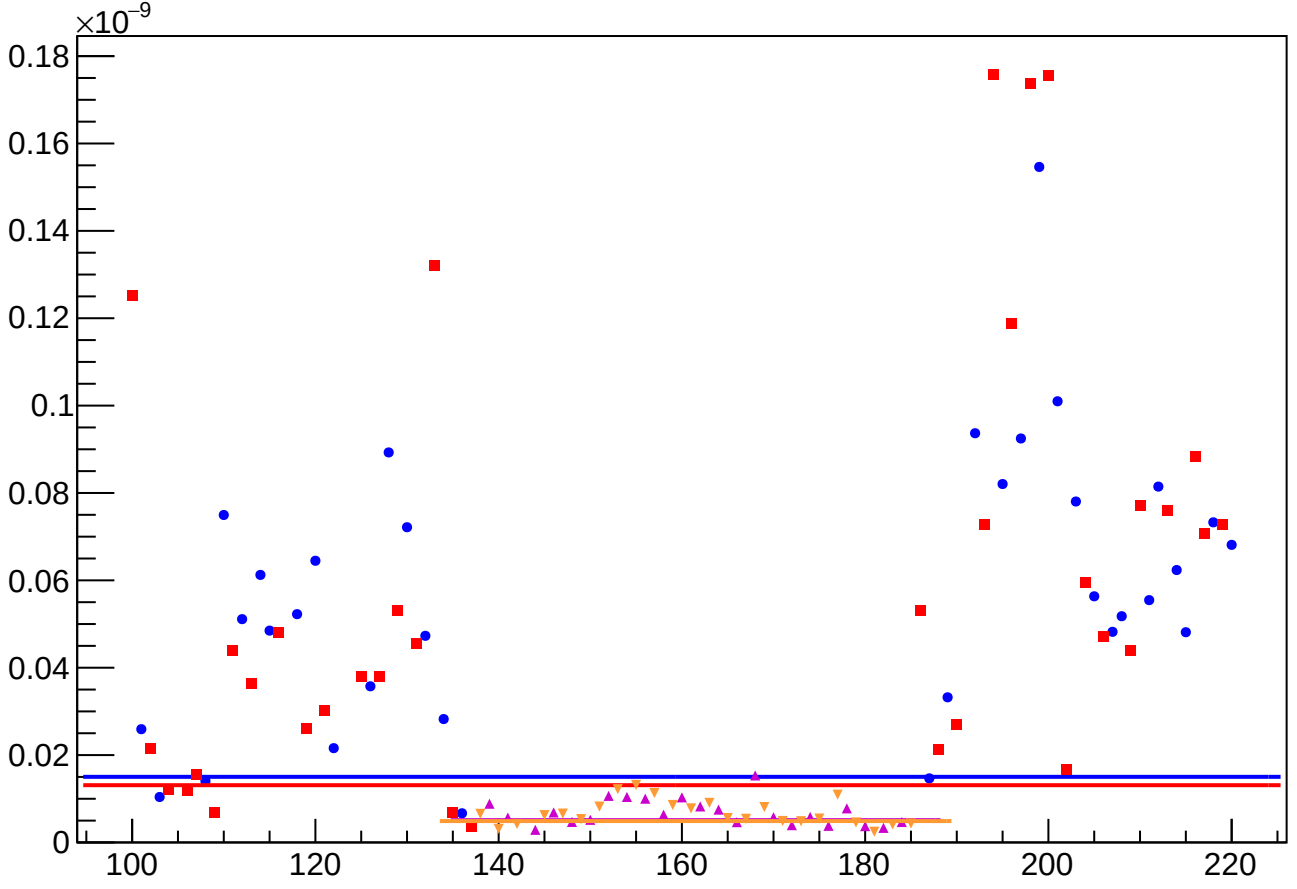
Right Out: -0.000+/-0.000 χ^2/NDF: 43.8/34

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.1/56

All: -0.000+/-0.000 χ^2/NDF: 123.4/114

- sign -0.000+/-0.000 χ^2/NDF: 63.2/57



Right In: 0.000+/-0.000 χ^2/NDF: 15521881.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 14966462.7/34

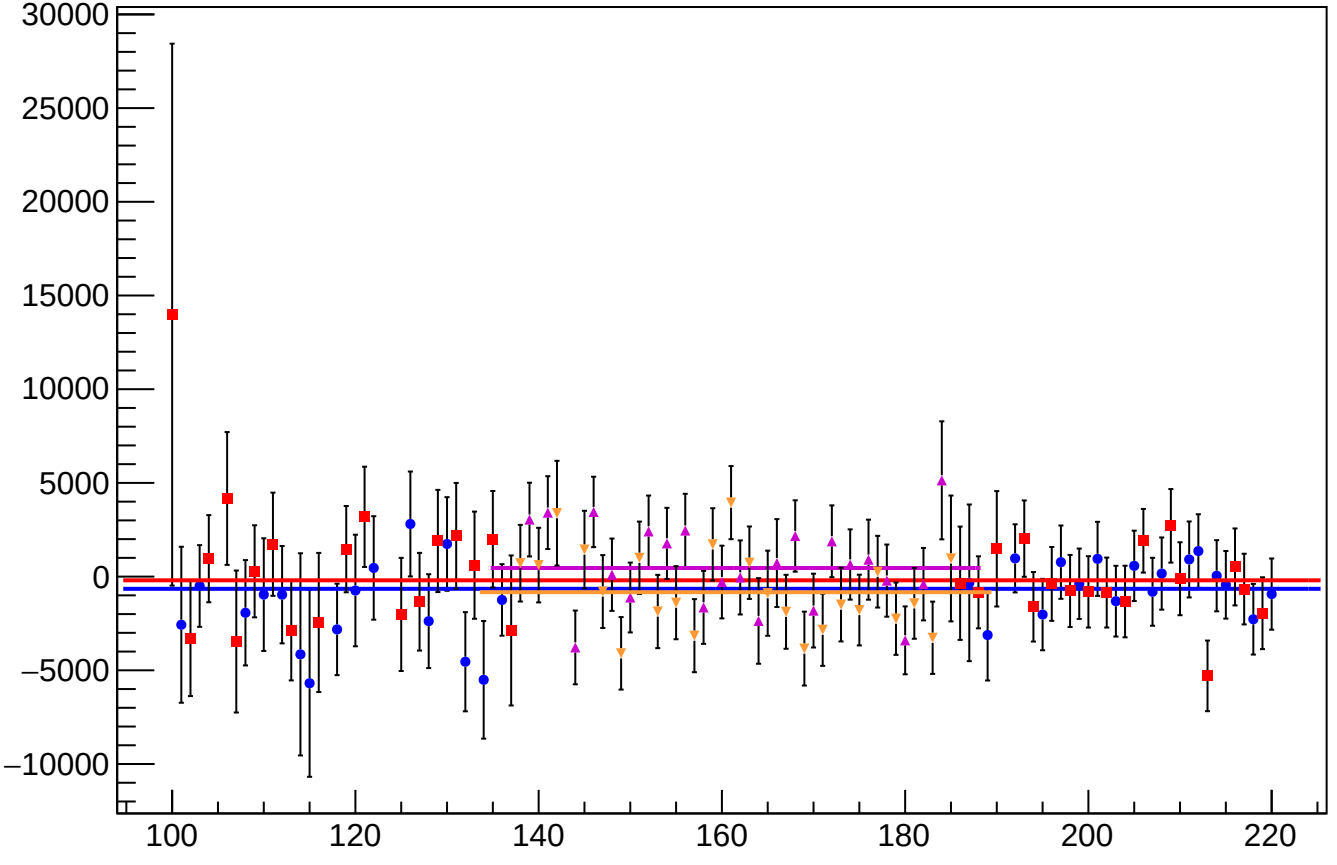
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 24486698.8/56

All: 0.000+/-0.000 χ^2/NDF: 46503784.6/114

- sign 0.000+/-0.000 χ^2/NDF: 22002205.4/57

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -651.533+/-392.333 χ^2/NDF: 17.3/32

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: -197.938+/-393.355 χ^2/NDF: 26.6/34

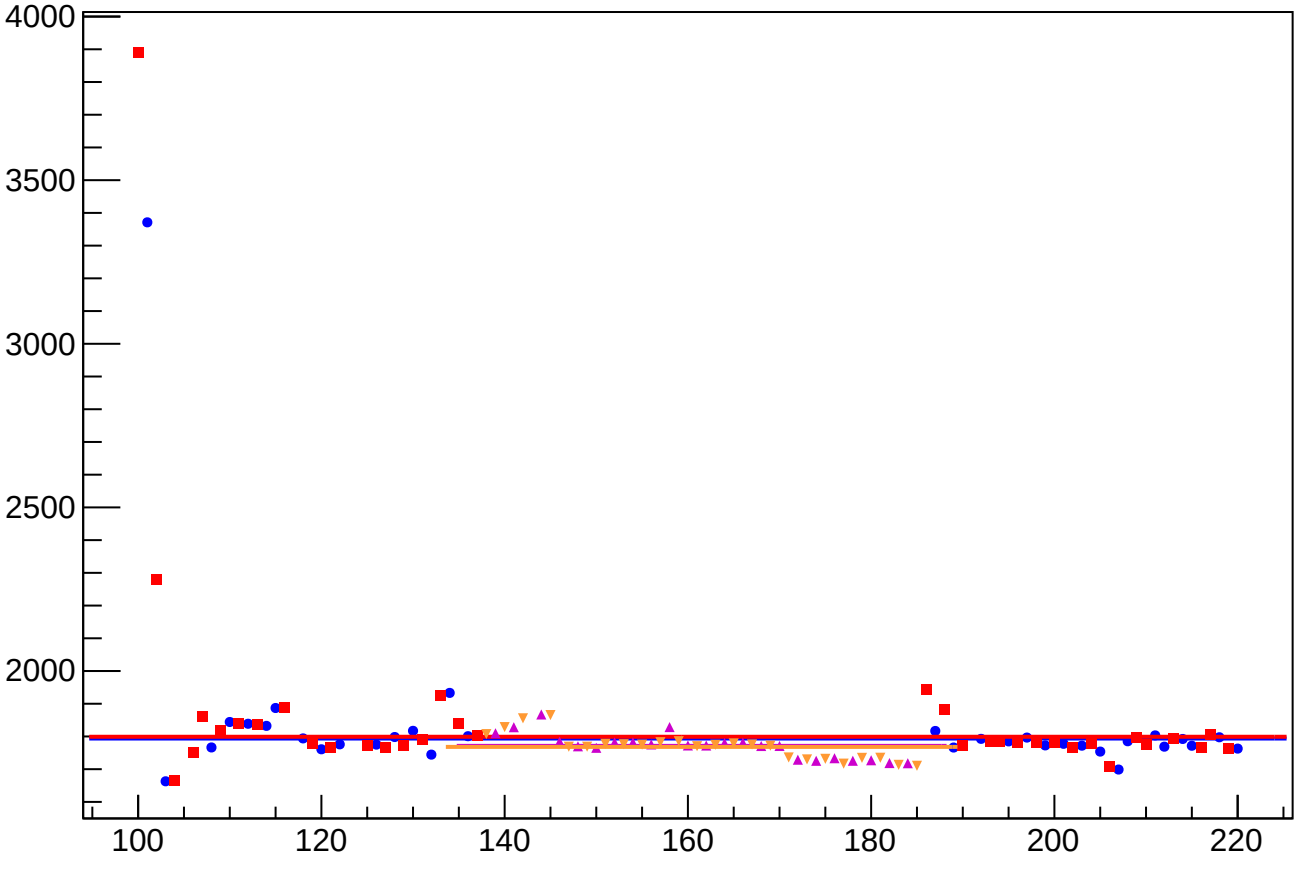
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -737.975+/-283.609 χ^2/NDF: 42.8/56

All: -313.982+/-201.048 χ^2/NDF: 102.5/114

- sign 114.312+/-285.045 χ^2/NDF: 55.2/57

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1793.684+/-0.277 χ^2/NDF: 310562.9/32

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

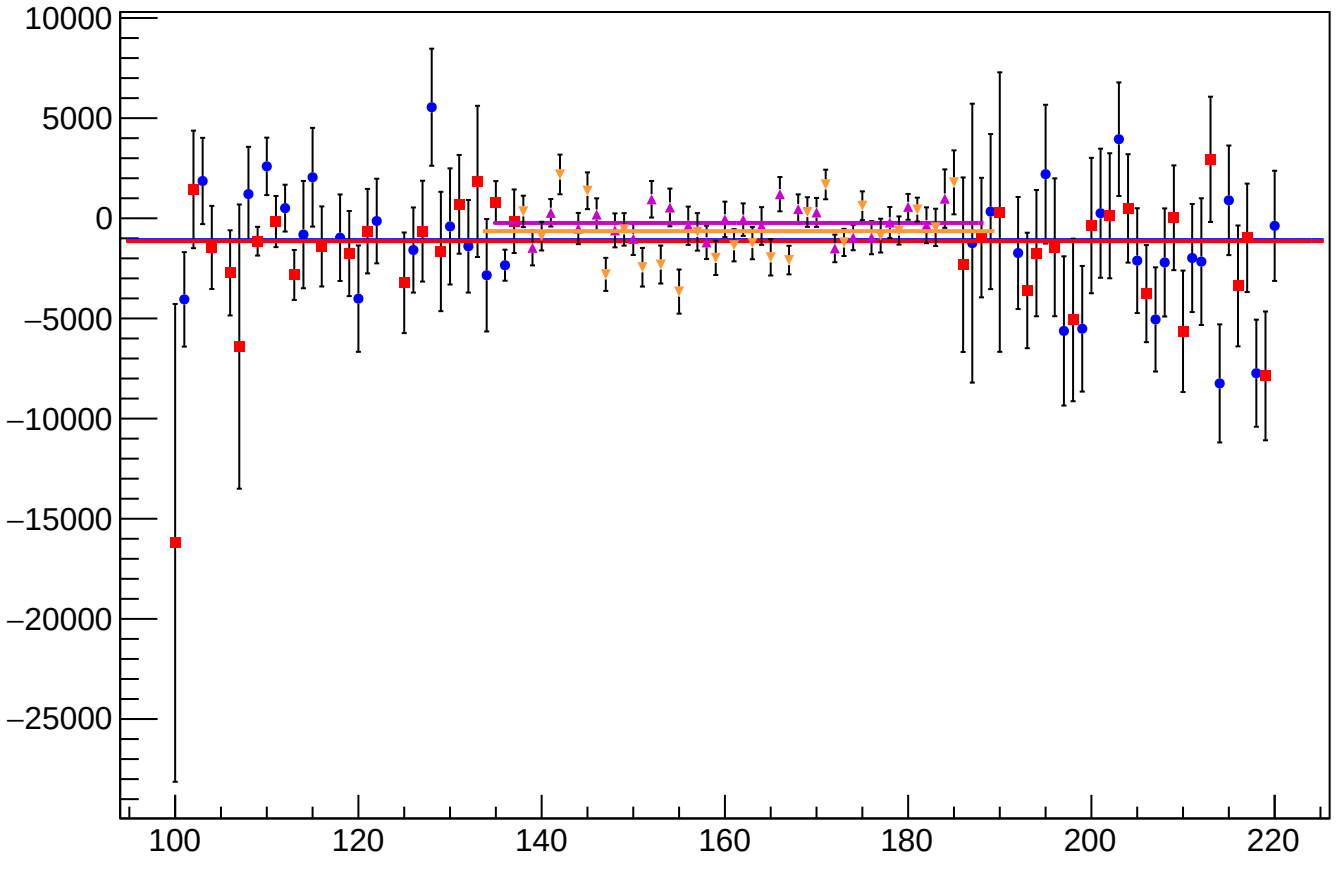
Right Out: 1799.076+/-0.278 χ^2/NDF: 123633.3/34

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.481+/-0.201 χ^2/NDF: 330973.7/56

All: 1783.653+/-0.142 χ^2/NDF: 476032.5/114

- sign 1785.847+/-0.202 χ^2/NDF: 144823.0/57



Right In: -1090.730+/-378.036 χ^2/NDF: 47.6/32

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

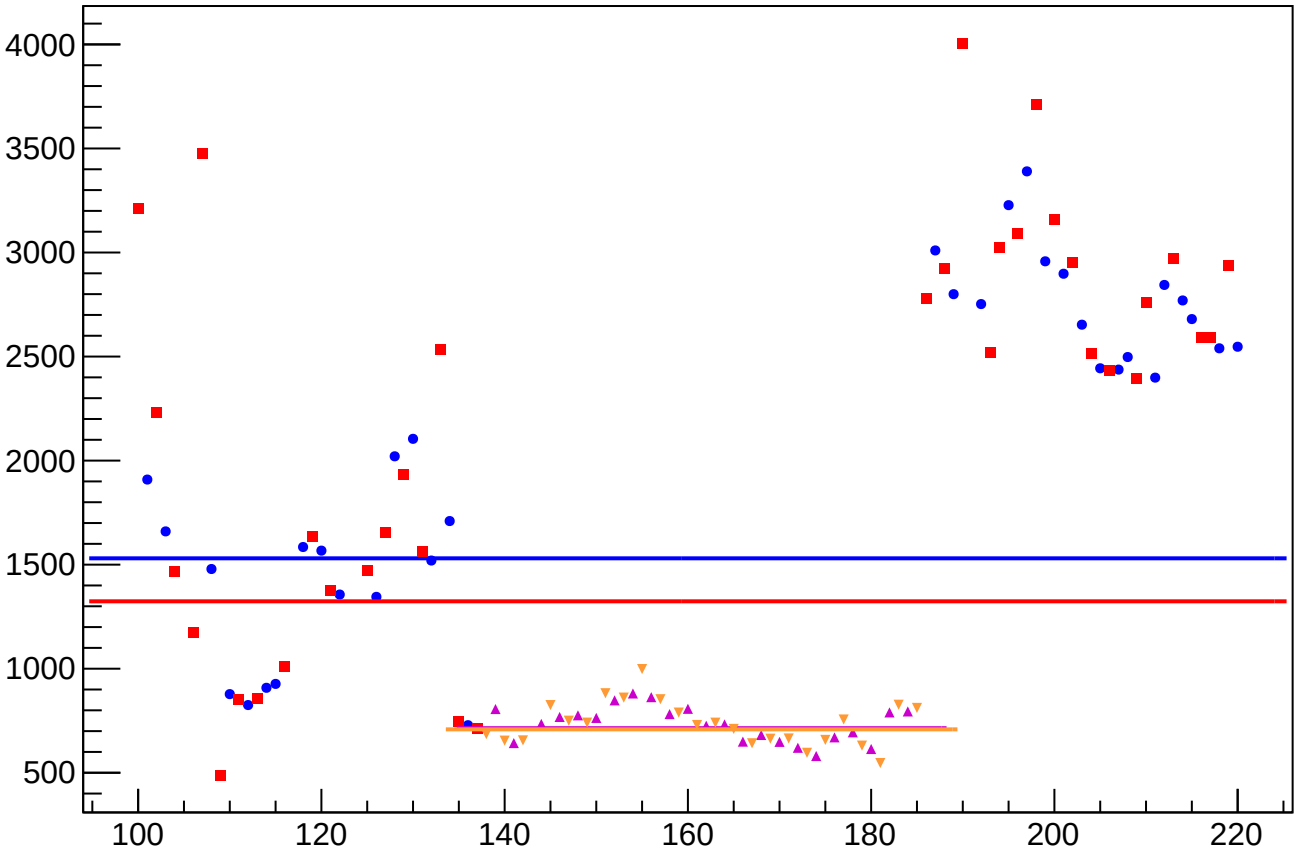
Right Out: -1137.409+/-349.022 χ^2/NDF: 24.5/34

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -714.053+/-152.337 χ^2/NDF: 115.5/56

All: -557.154+/-107.460 χ^2/NDF: 167.5/114

- sign -401.749+/-151.610 χ^2/NDF: 49.9/57



Right In: 1530.412+/-0.267 χ^2/NDF: 9058664.7/32

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1323.810+/-0.247 χ^2/NDF: 12873705.5/34

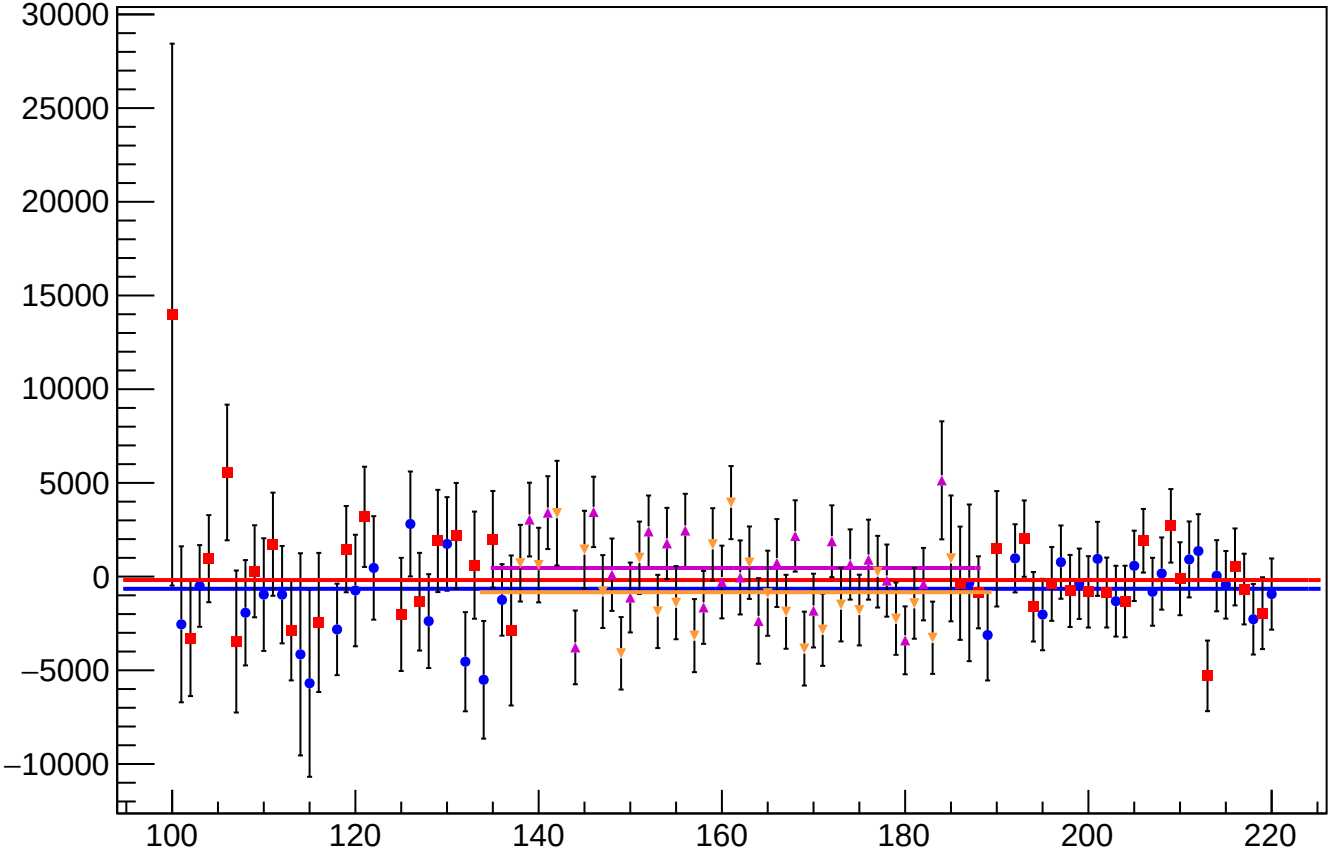
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 841.967+/-0.108 χ^2/NDF: 17677892.6/56

All: 835.551+/-0.076 χ^2/NDF: 36006644.3/11

- sign 829.197+/-0.107 χ^2/NDF: 18321690.3/57

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -651.300+/-392.333 χ^2/NDF: 17.3/32

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -183.712+/-393.454 χ^2/NDF: 27.6/34

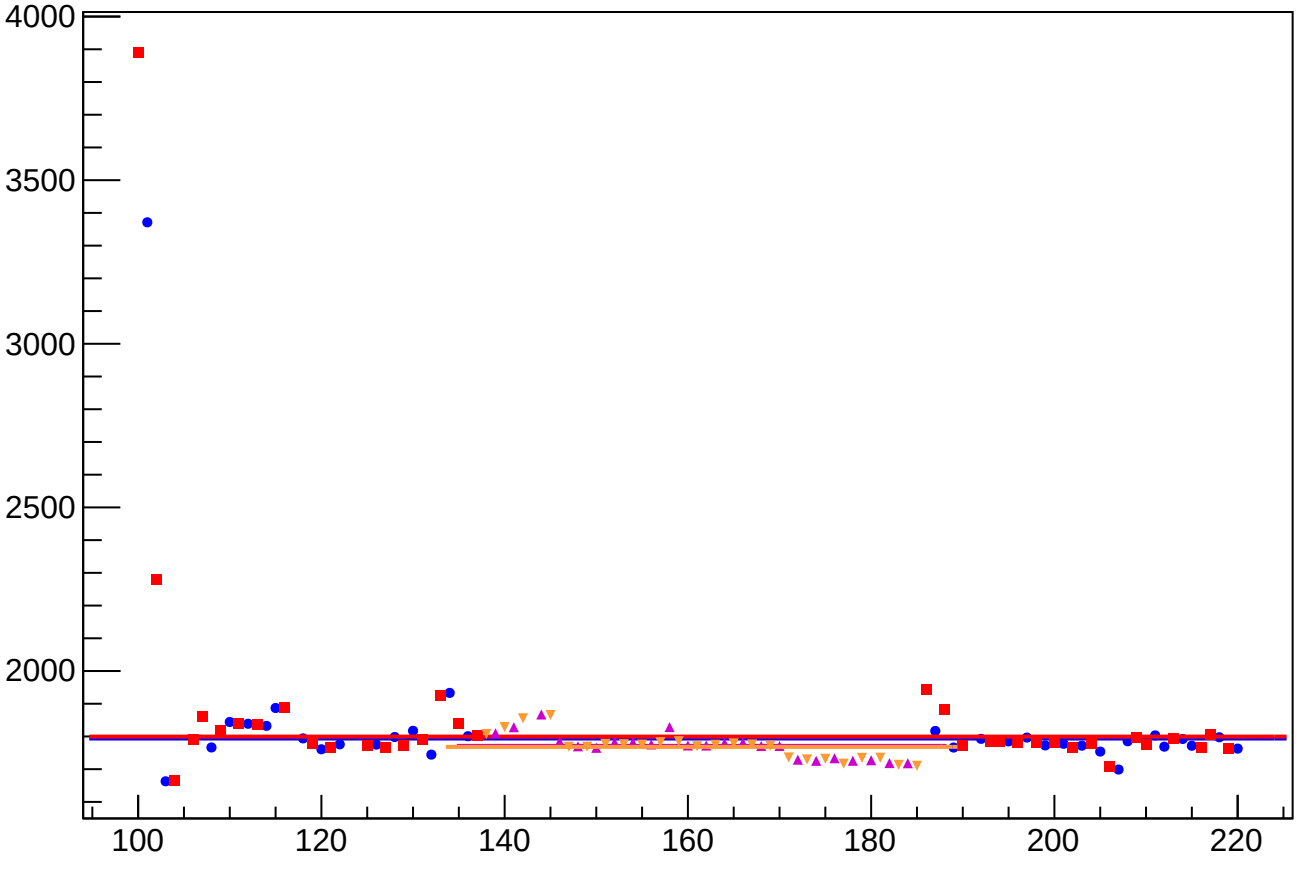
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -737.802+/-283.609 χ^2/NDF: 42.8/56

All: -310.205+/-201.061 χ^2/NDF: 103.5/114

- sign 121.844+/-285.082 χ^2/NDF: 56.1/57

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1793.684+/-0.277 χ^2/NDF: 310564.8/32

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

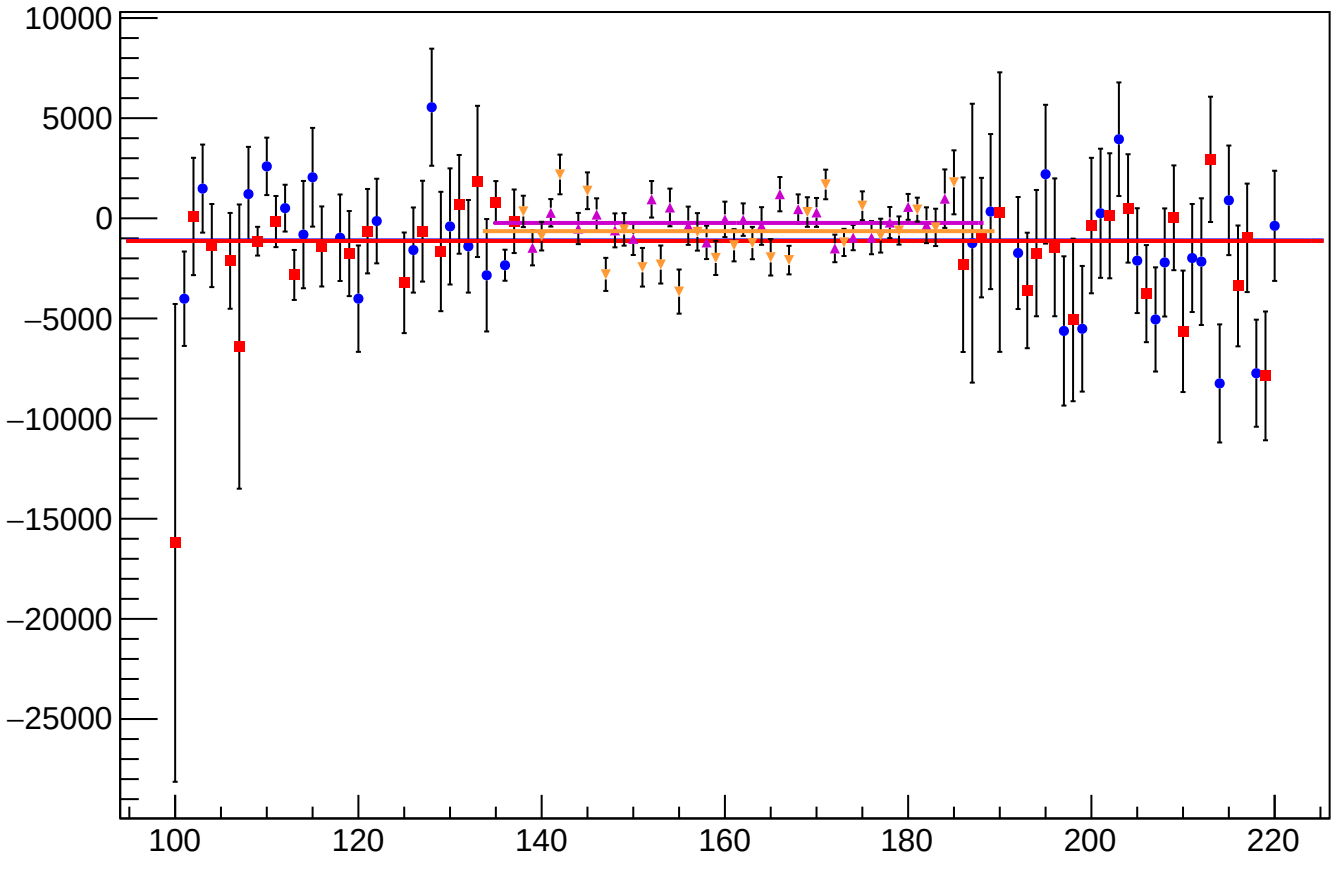
Right Out: 1799.584+/-0.278 χ^2/NDF: 123264.9/34

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.481+/-0.201 χ^2/NDF: 330975.5/56

All: 1783.783+/-0.142 χ^2/NDF: 475869.1/114

- sign 1786.110+/-0.202 χ^2/NDF: 144628.6/57



Right In: -1104.872+/-378.267 χ^2/NDF: 47.1/32

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

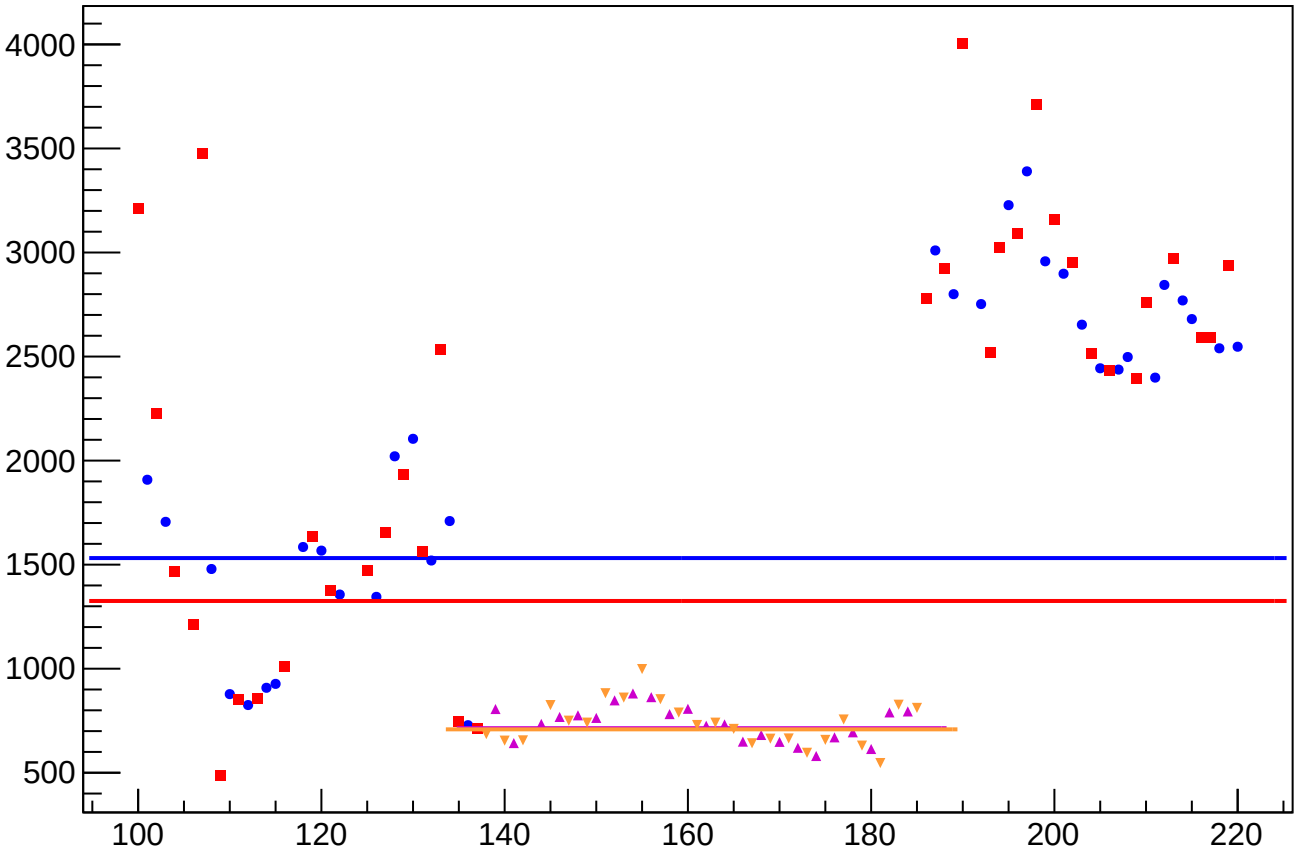
Right Out: -1131.700+/-349.993 χ^2/NDF: 23.5/34

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -716.252+/-152.353 χ^2/NDF: 115.0/56

All: -557.358+/-107.495 χ^2/NDF: 166.0/114

- sign -399.843+/-151.690 χ^2/NDF: 48.8/57



Right In: 1531.607+/-0.267 χ^2/NDF: 9063839.0/32

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1325.437+/-0.247 χ^2/NDF: 12867170.0/34

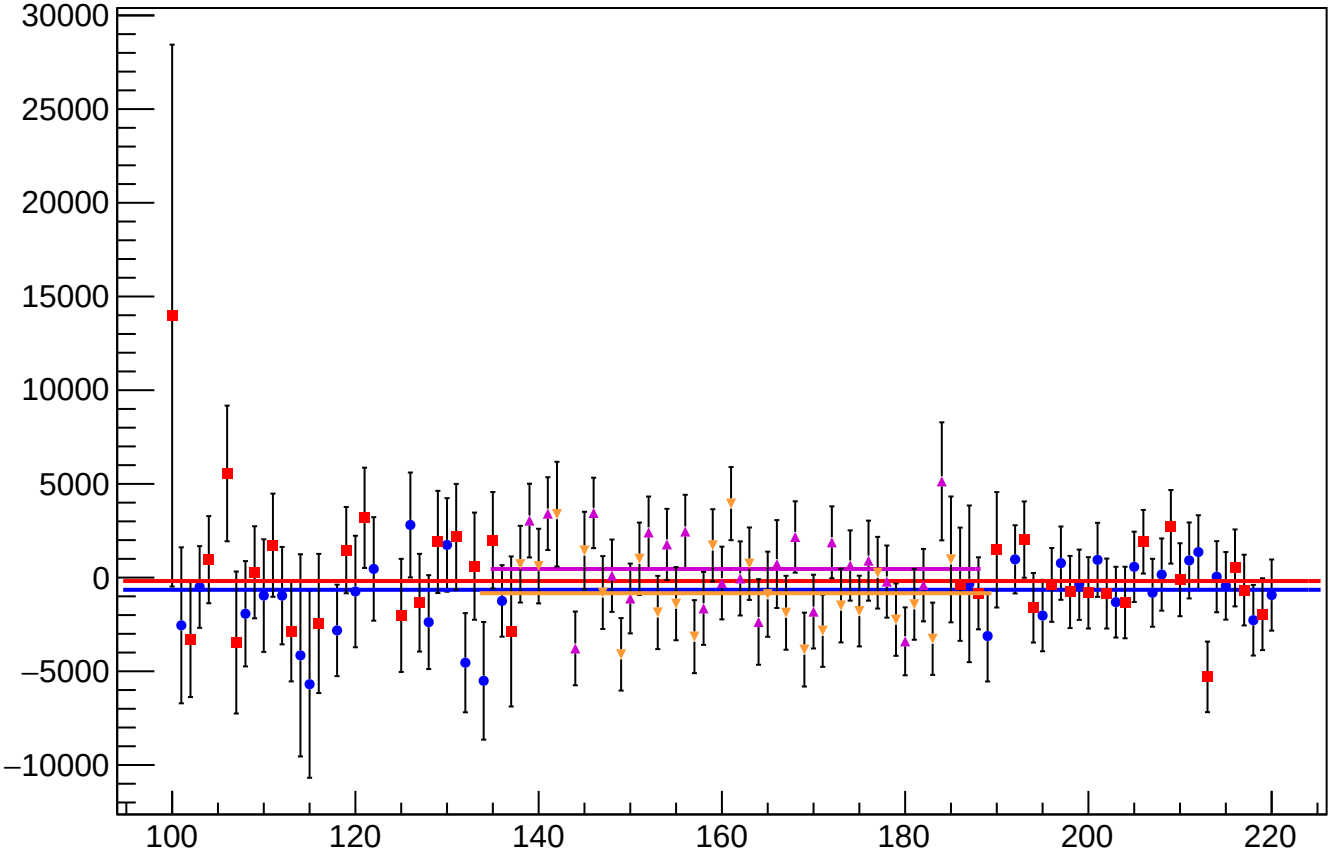
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 842.031+/-0.108 χ^2/NDF: 17697817.3/56

All: 835.482+/-0.076 χ^2/NDF: 36024278.5/11

- sign 828.991+/-0.107 χ^2/NDF: 18319103.2/57

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -651.300+/-392.333 χ^2/NDF: 17.3/32

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: -183.712+/-393.454 χ^2/NDF: 27.6/34

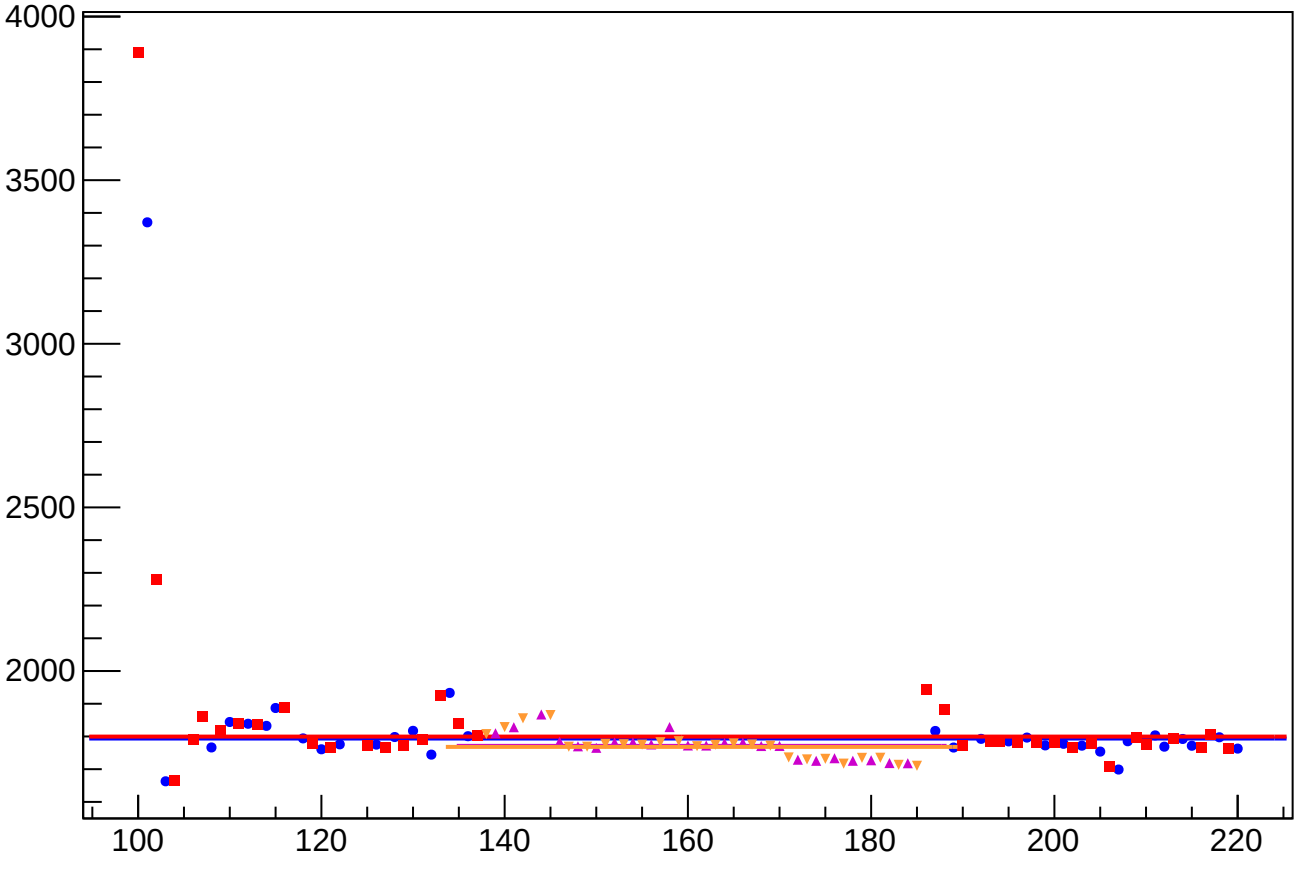
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -737.802+/-283.609 χ^2/NDF: 42.8/56

All: -310.205+/-201.061 χ^2/NDF: 103.5/114

- sign 121.844+/-285.082 χ^2/NDF: 56.1/57

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1793.684+/-0.277 χ^2/NDF: 310564.8/32

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

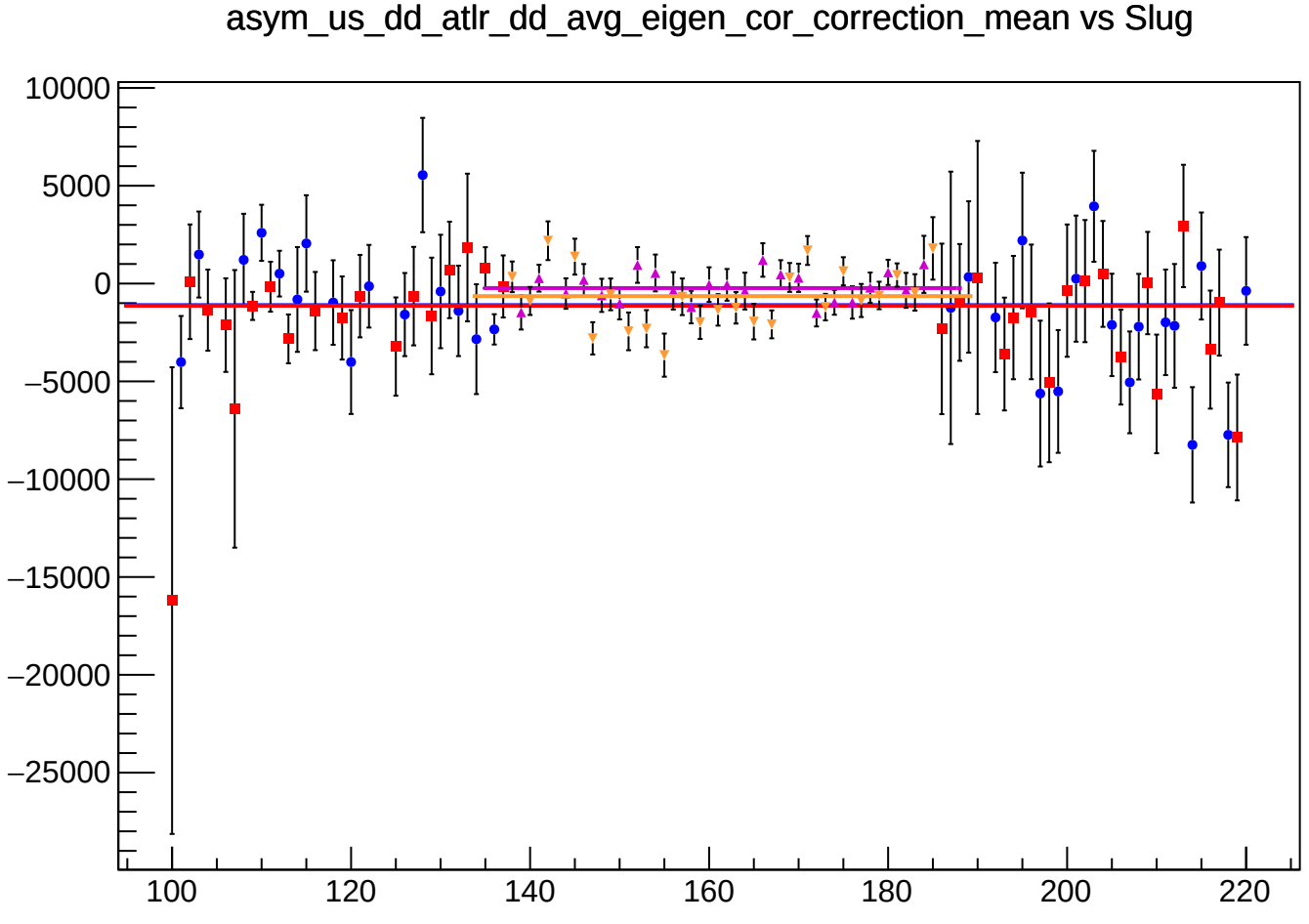
Right Out: 1799.584+/-0.278 χ^2/NDF: 123264.9/34

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1781.481+/-0.201 χ^2/NDF: 330975.5/56

All: 1783.783+/-0.142 χ^2/NDF: 475869.1/114

- sign 1786.110+/-0.202 χ^2/NDF: 144628.6/57



Right In: -1104.872+/-378.267 χ^2/NDF: 47.1/32

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

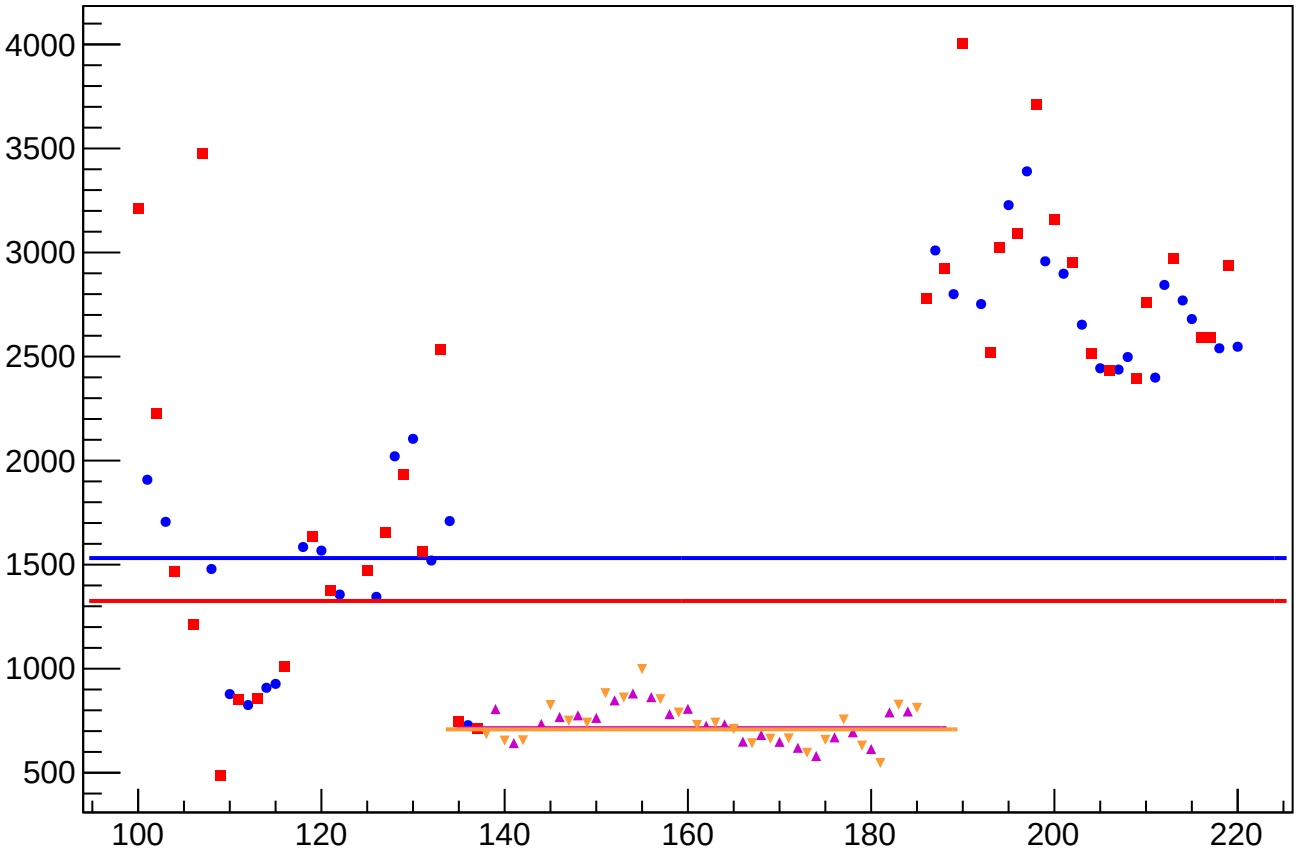
Right Out: -1131.700+/-349.993 χ^2/NDF: 23.5/34

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -716.252+/-152.353 χ^2/NDF: 115.0/56

All: -557.358+/-107.495 χ^2/NDF: 166.0/114

- sign -399.843+/-151.690 χ^2/NDF: 48.8/57



Right In: 1531.607+/-0.267 χ^2/NDF: 9063839.0/32

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1325.437+/-0.247 χ^2/NDF: 12867170.0/34

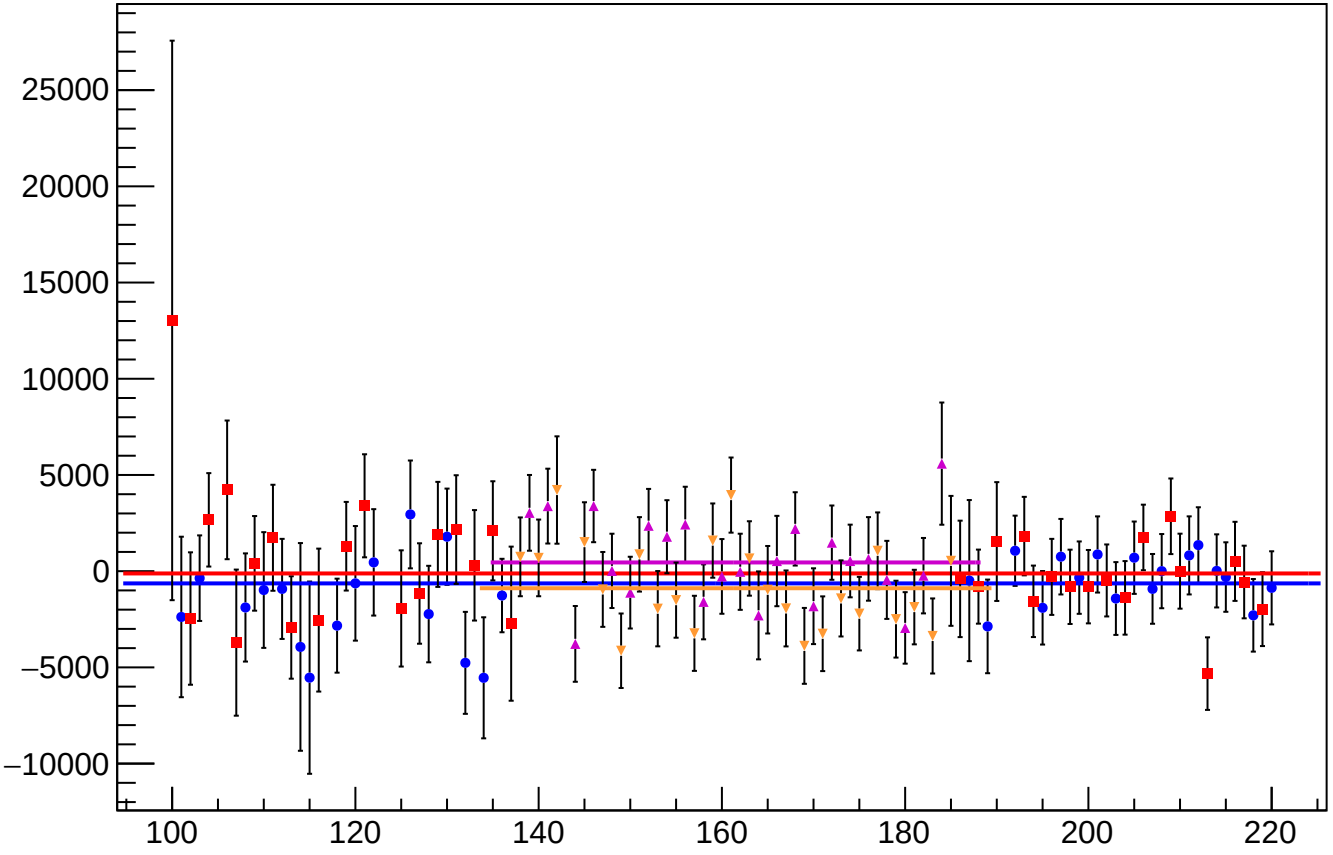
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 842.031+/-0.108 χ^2/NDF: 17697817.3/56

All: 835.482+/-0.076 χ^2/NDF: 36024278.5/11

- sign 828.991+/-0.107 χ^2/NDF: 18319103.2/57

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -635.414+/-393.101 χ^2/NDF: 17.2/32

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: -118.256+/-395.127 χ^2/NDF: 26.9/34

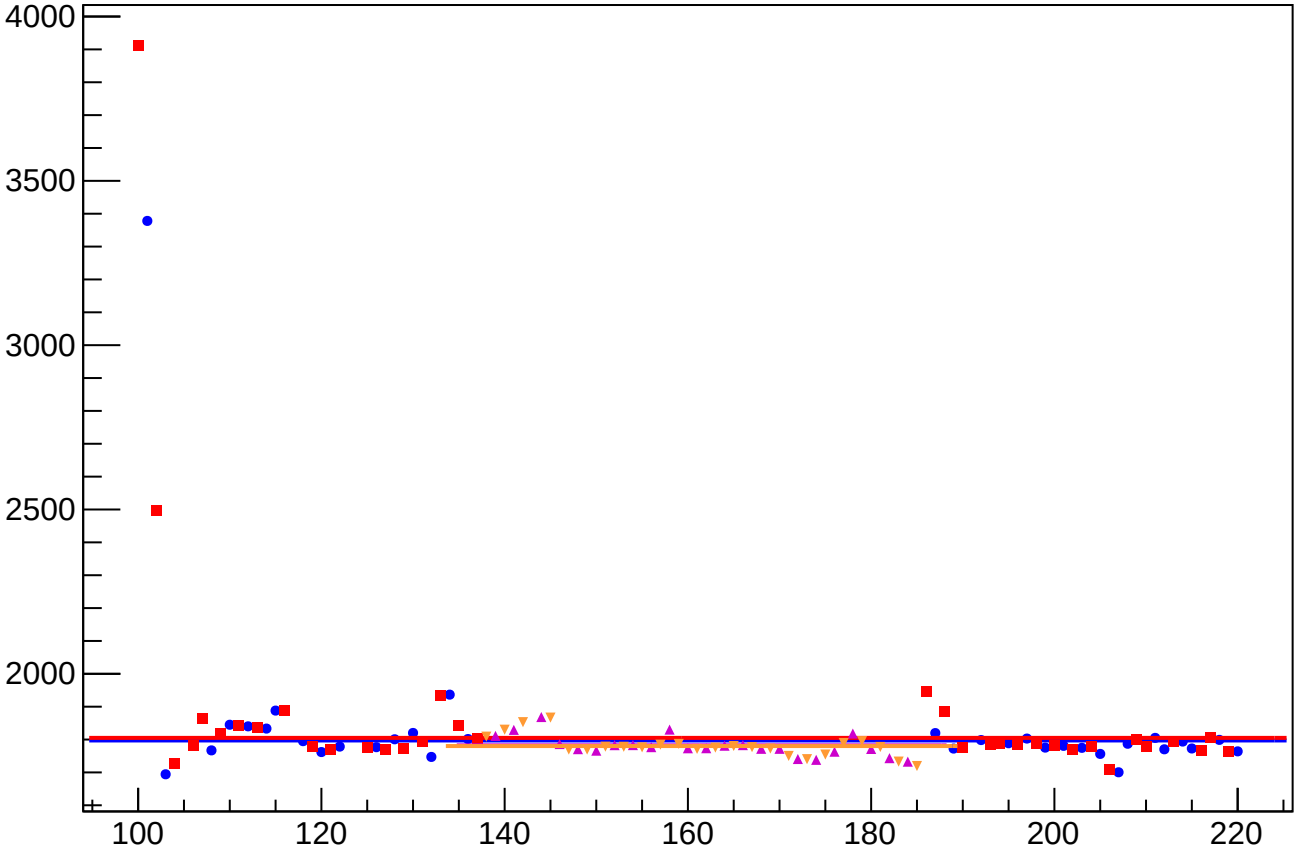
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -754.625+/-284.814 χ^2/NDF: 45.5/56

All: -303.753+/-202.007 χ^2/NDF: 104.3/114

- sign 152.656+/-286.557 χ^2/NDF: 53.7/57

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1797.211+/-0.278 χ^2/NDF: 308103.1/32

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

Right Out: 1805.064+/-0.279 χ^2/NDF: 151464.4/34

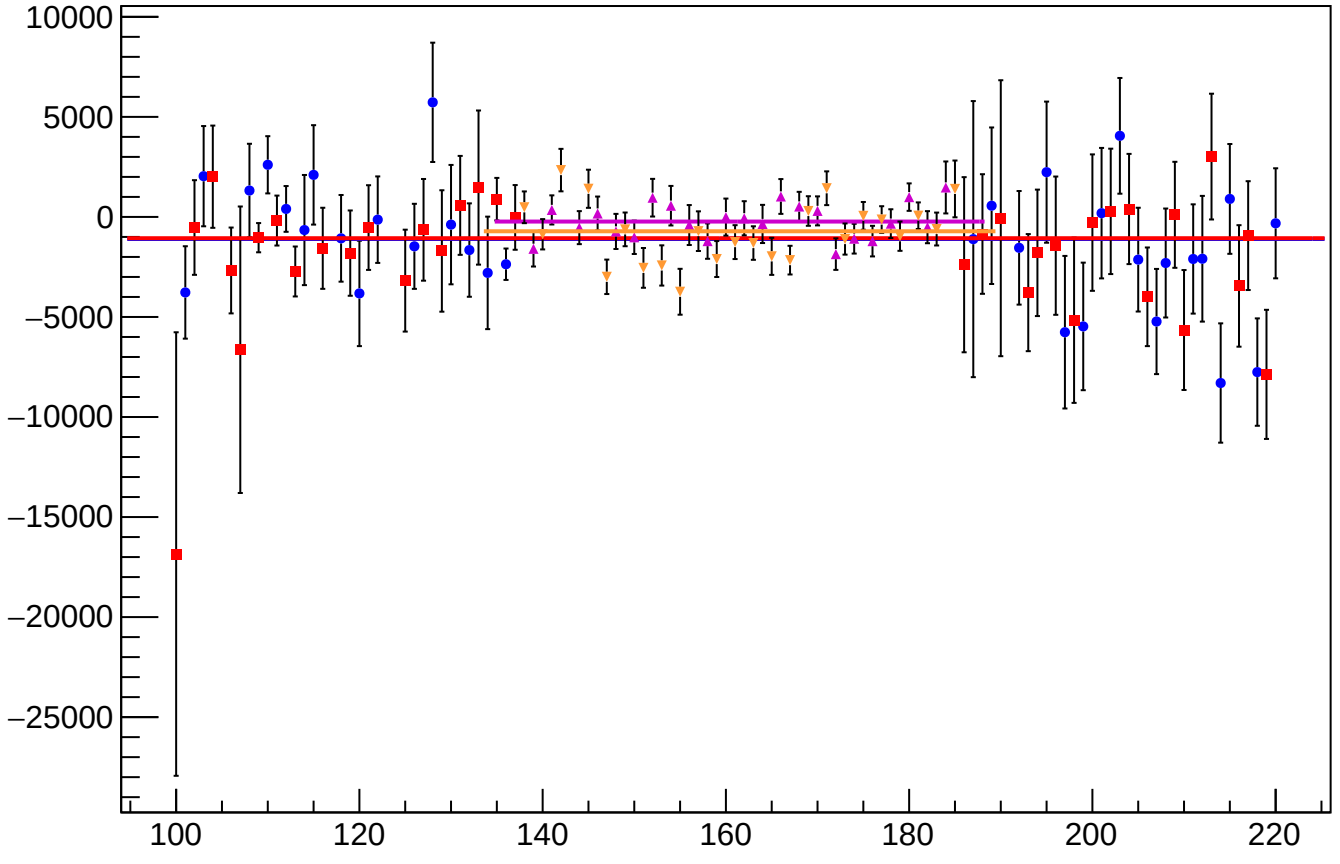
Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1789.139+/-0.201 χ^2/NDF: 320258.1/56

All: 1791.690+/-0.143 χ^2/NDF: 486424.7/114

- sign 1794.272+/-0.203 χ^2/NDF: 165843.8/57

asym_us_dd_atlr_dd_avg_dit_correction_mean vs Slug



Right In: -1101.375+/-381.216 χ^2/NDF: 47.2/32

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

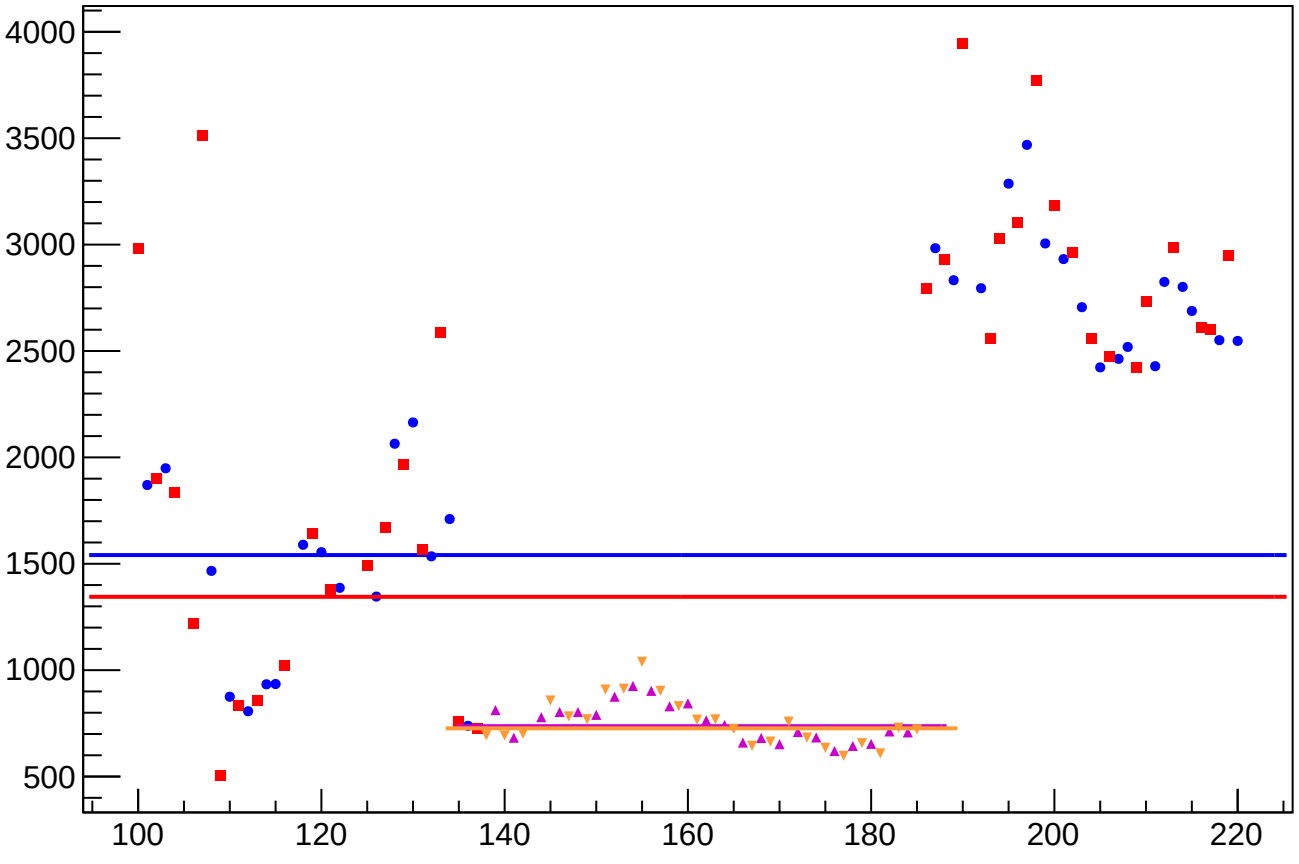
Right Out: -1064.254+/-352.184 χ^2/NDF: 25.9/34

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -780.802+/-155.720 χ^2/NDF: 107.4/56

All: -587.188+/-110.065 χ^2/NDF: 165.0/114

- sign -393.893+/-155.592 χ^2/NDF: 54.5/57



Right In: 1540.937+/-0.270 χ^2/NDF: 9193599.7/32

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

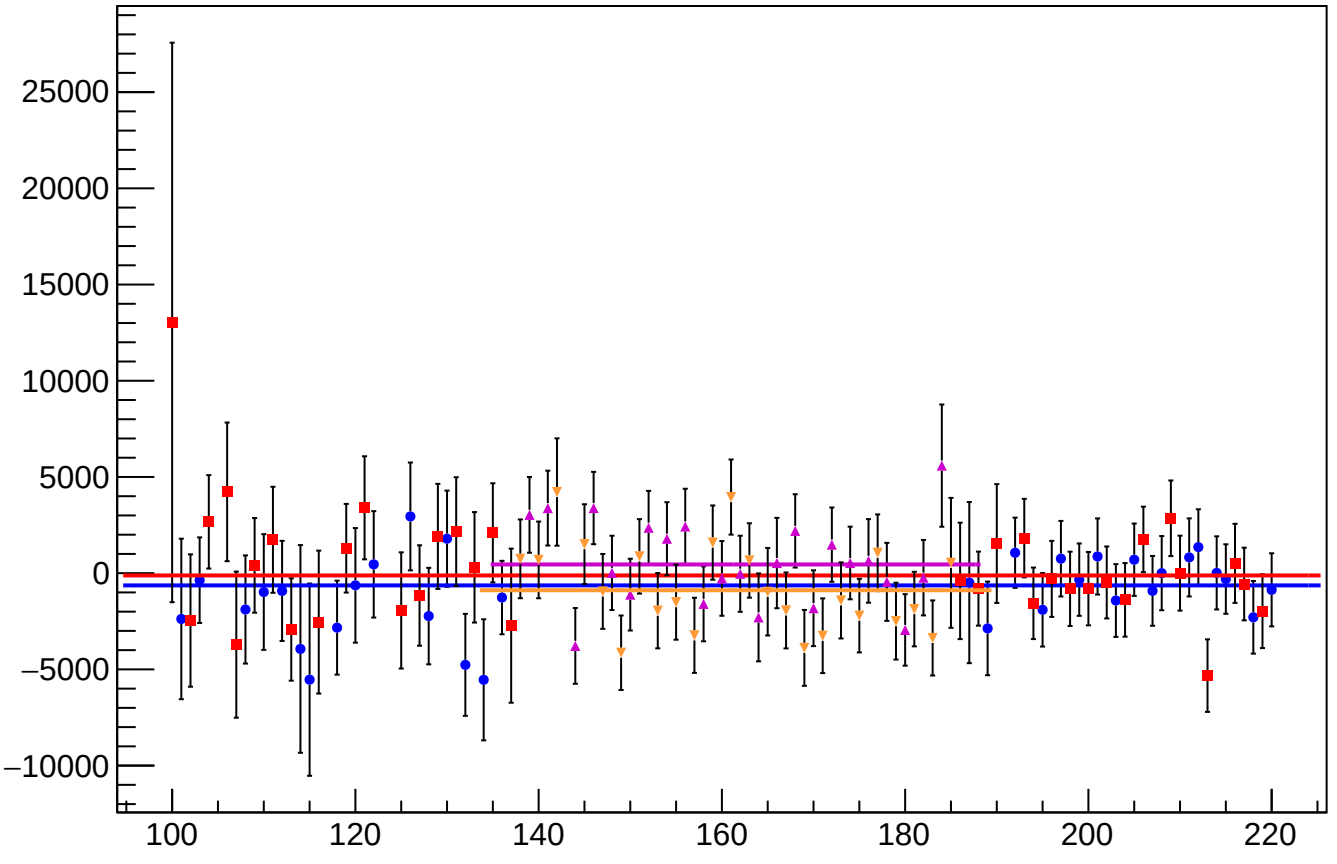
Right Out: 1344.744+/-0.249 χ^2/NDF: 12727846.8/34

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 862.482+/-0.110 χ^2/NDF: 17481826.7/56

All: 858.931+/-0.078 χ^2/NDF: 35474644.0/11

- sign 855.386+/-0.110 χ^2/NDF: 17990739.0/57



Right In: -635.412+/-393.101 χ^2/NDF: 17.2/32

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: -118.252+/-395.127 χ^2/NDF: 26.9/34

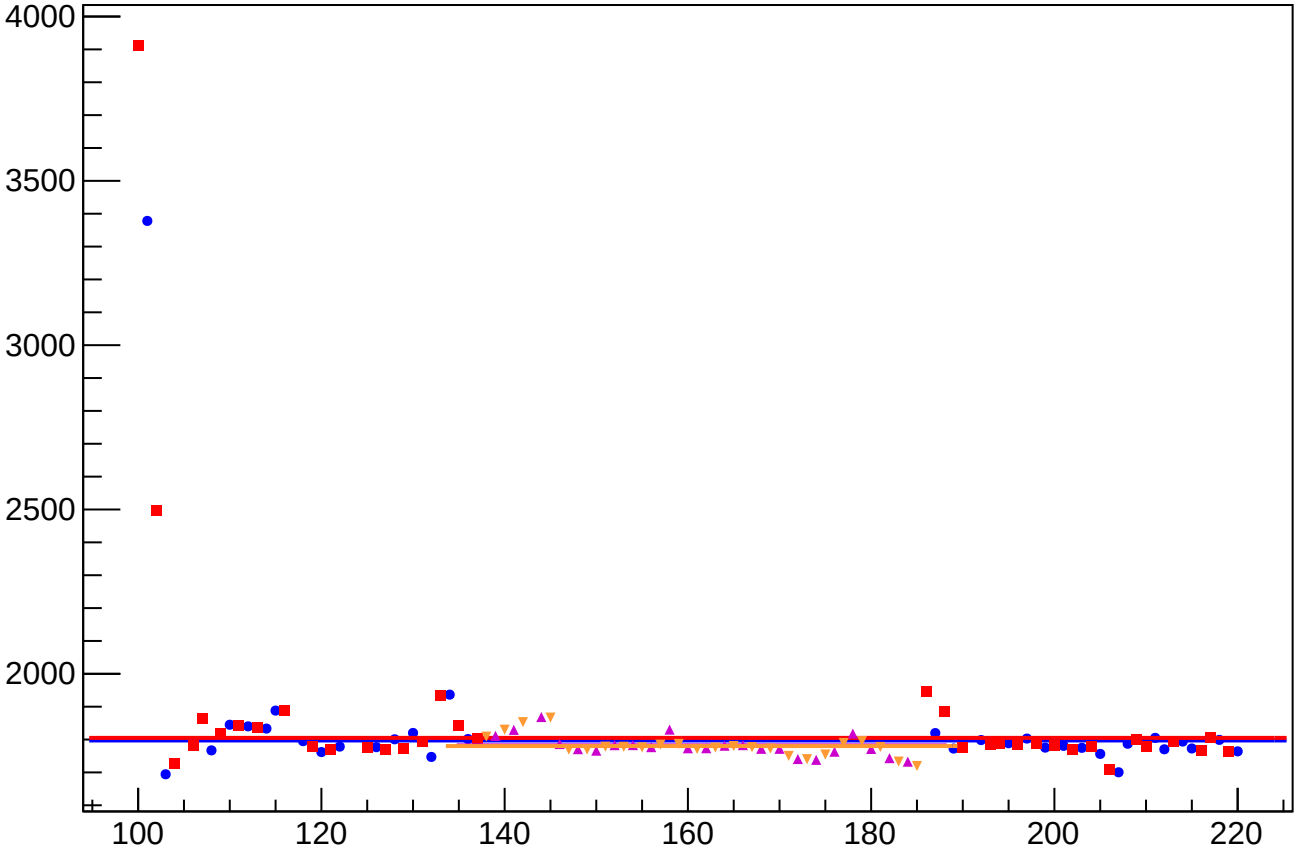
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -754.623+/-284.814 χ^2/NDF: 45.5/56

All: -303.751+/-202.007 χ^2/NDF: 104.3/114

- sign 152.658+/-286.557 χ^2/NDF: 53.7/57

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1797.211+/-0.278 χ^2/NDF: 308103.0/32

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

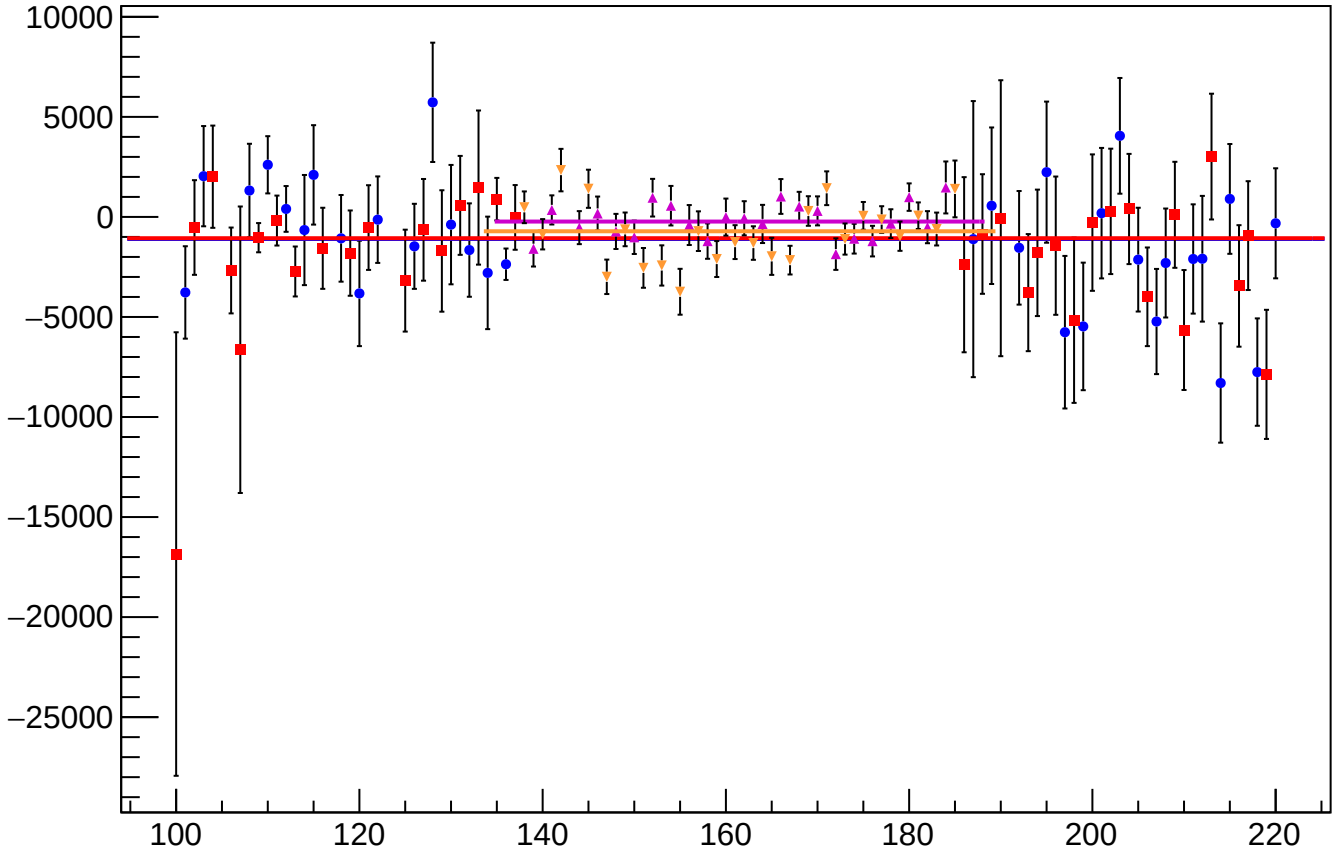
Right Out: 1805.064+/-0.279 χ^2/NDF: 151464.4/34

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1789.139+/-0.201 χ^2/NDF: 320258.2/56

All: 1791.690+/-0.143 χ^2/NDF: 486424.9/114

- sign 1794.272+/-0.203 χ^2/NDF: 165843.9/57



Right In: -1101.366+/-381.217 χ^2/NDF: 47.2/32

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

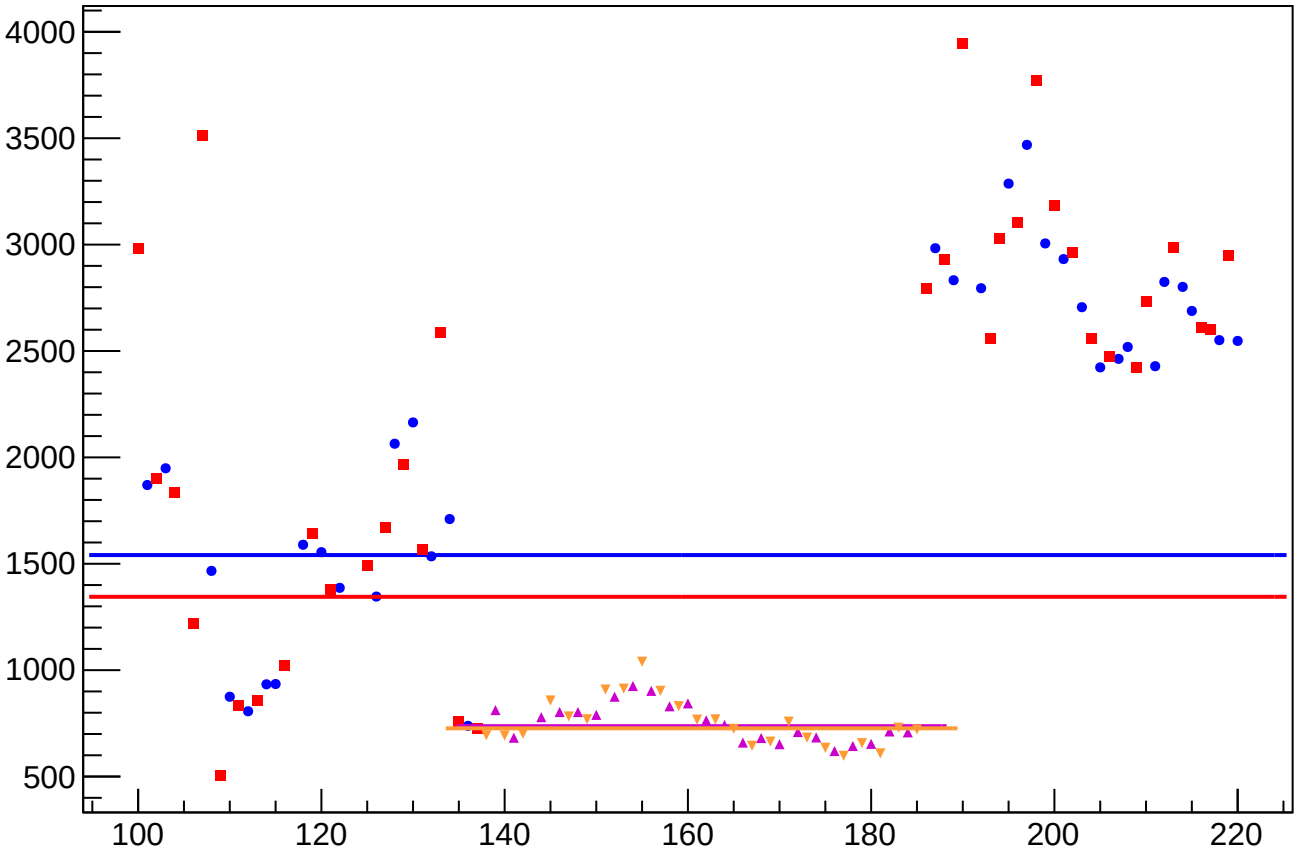
Right Out: -1064.259+/-352.184 χ^2/NDF: 25.9/34

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -780.802+/-155.720 χ^2/NDF: 107.4/56

All: -587.187+/-110.065 χ^2/NDF: 165.0/114

- sign -393.892+/-155.592 χ^2/NDF: 54.5/57



Right In: 1540.940+/-0.270 χ^2/NDF: 9193535.3/32

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1344.746+/-0.249 χ^2/NDF: 12727802.5/34

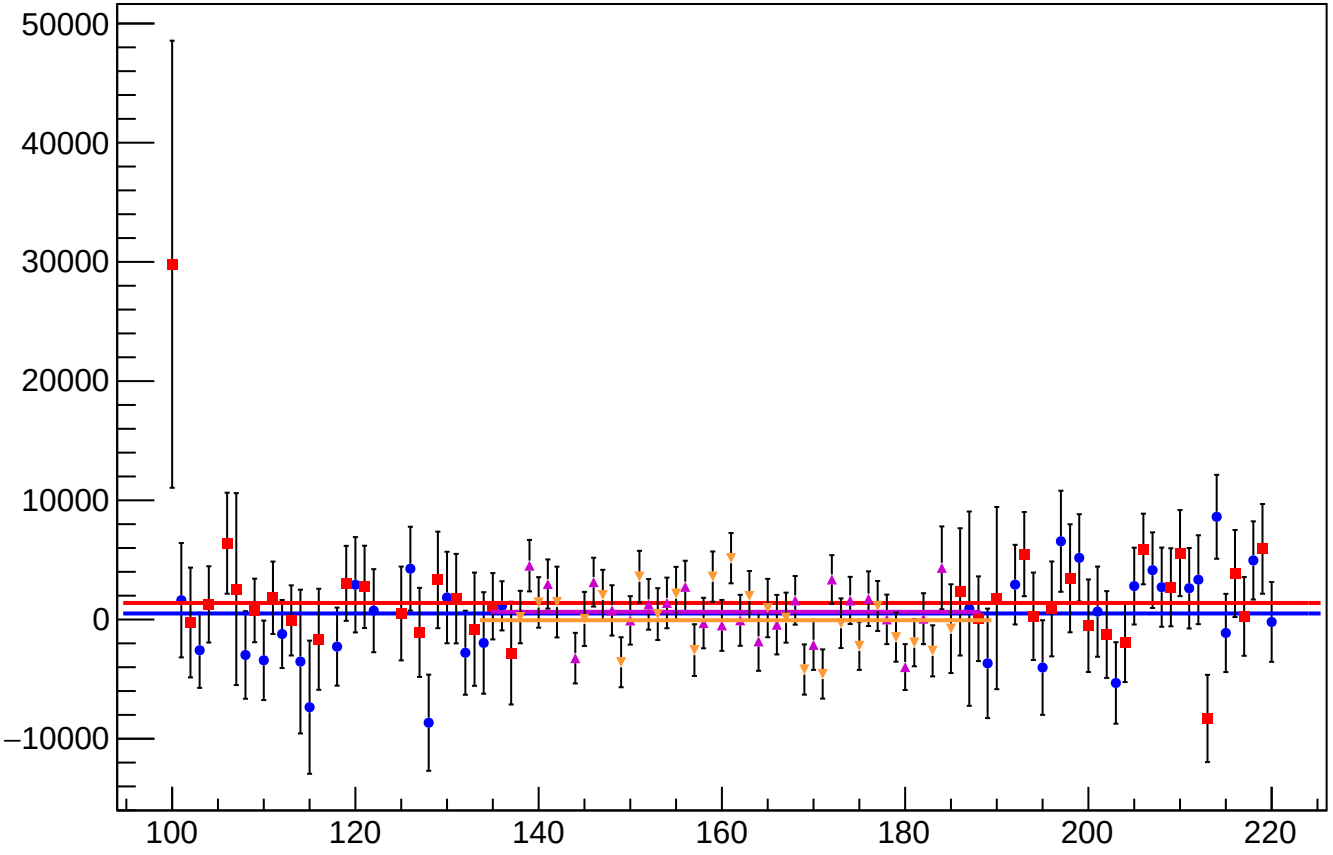
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 862.483+/-0.110 χ^2/NDF: 17481794.3/56

All: 858.931+/-0.078 χ^2/NDF: 35474622.4/11

- sign 855.386+/-0.110 χ^2/NDF: 17990749.3/57

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: 507.601+/-618.670 χ^2/NDF: 34.8/32

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1389.005+/-626.728 χ^2/NDF: 23.5/34

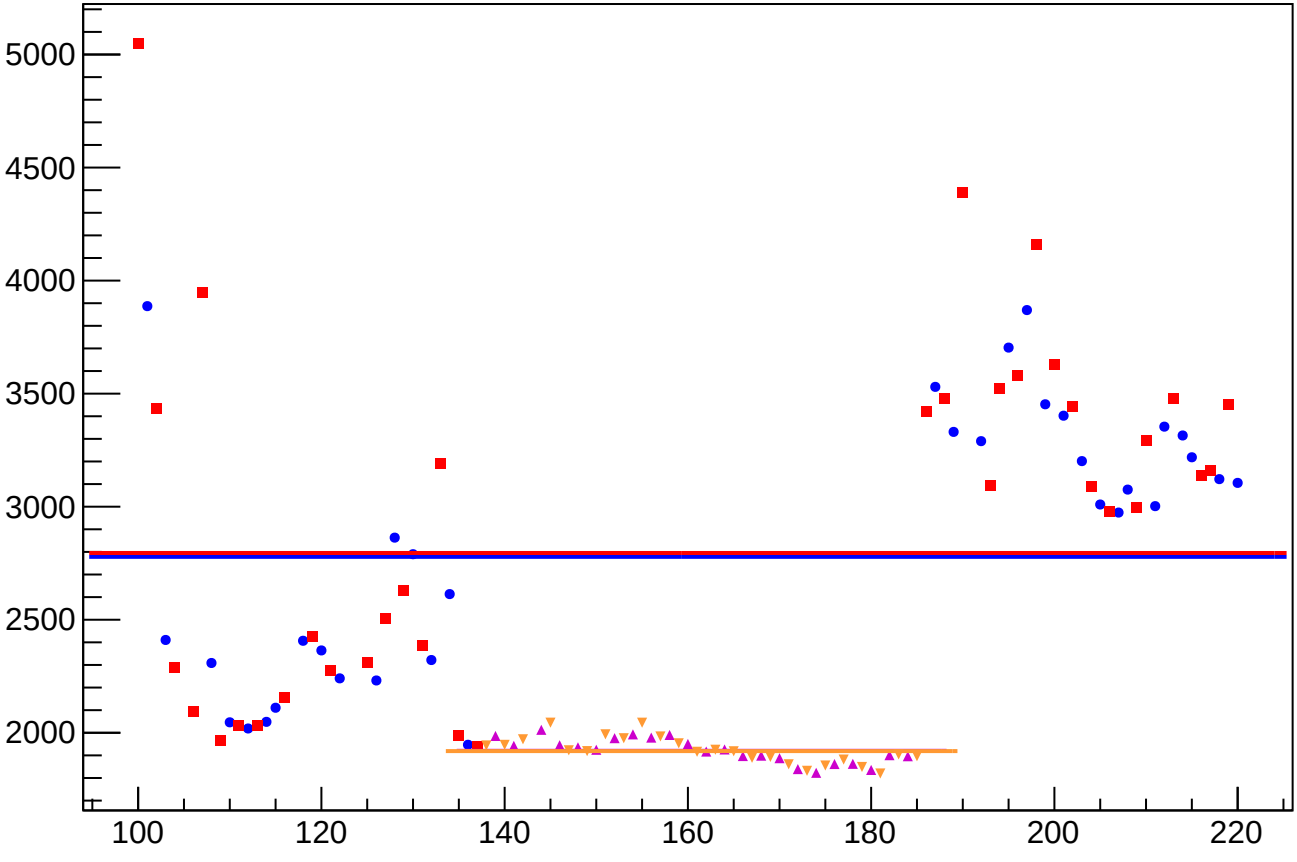
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign 134.147+/-361.577 χ^2/NDF: 68.4/56

All: 512.869+/-256.788 χ^2/NDF: 118.7/114

- sign 898.267+/-364.749 χ^2/NDF: 48.1/57

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2778.209+/-0.437 χ^2/NDF: 1669307.6/32

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

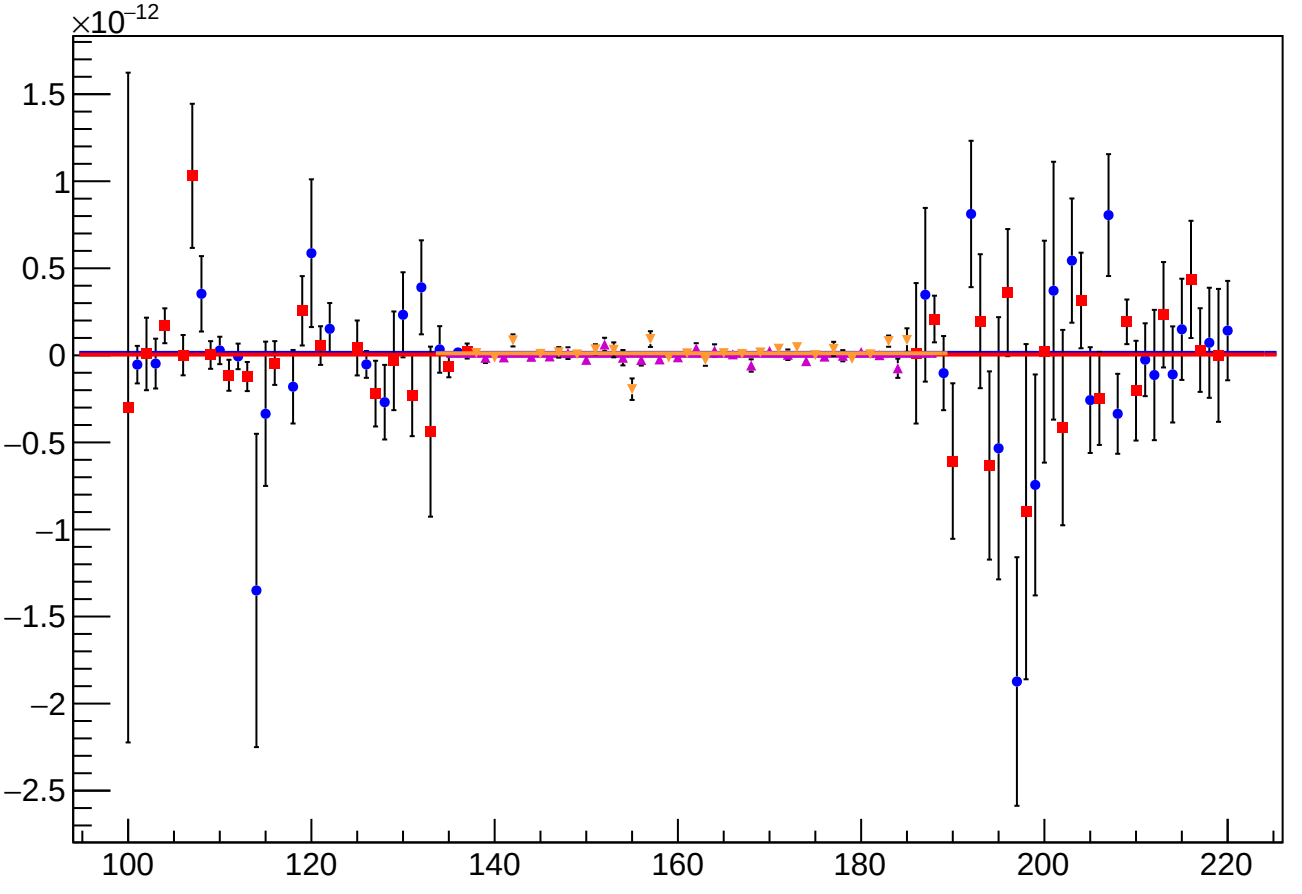
Right Out: 2795.233+/-0.443 χ^2/NDF: 2056145.3/34

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2212.466+/-0.256 χ^2/NDF: 4244934.9/56

All: 2214.513+/-0.182 χ^2/NDF: 8909217.6/11

- sign 2216.596+/-0.258 χ^2/NDF: 4664153.4/57



Right In: 0.000+/-0.000 χ^2/NDF: 39.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

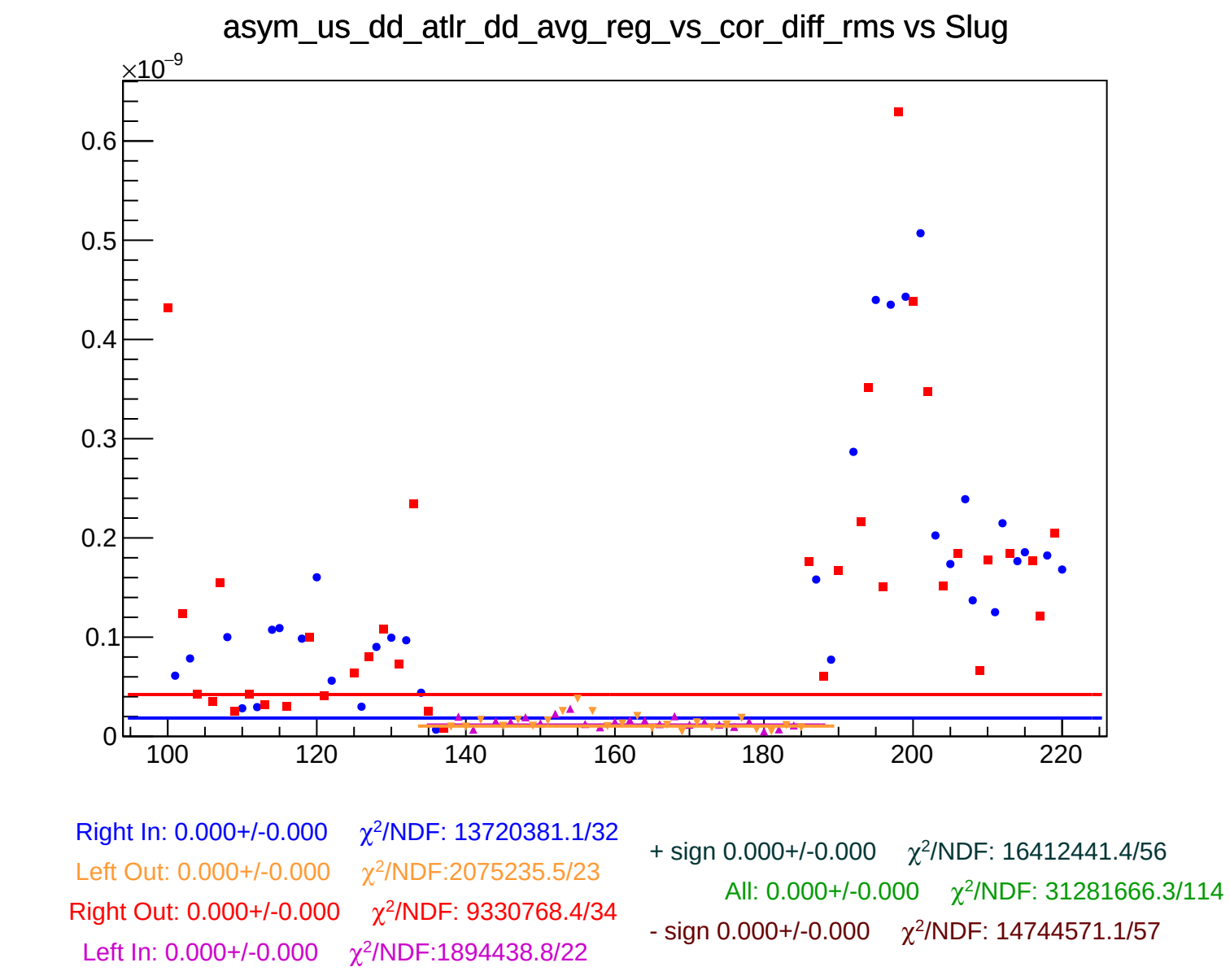
Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/34

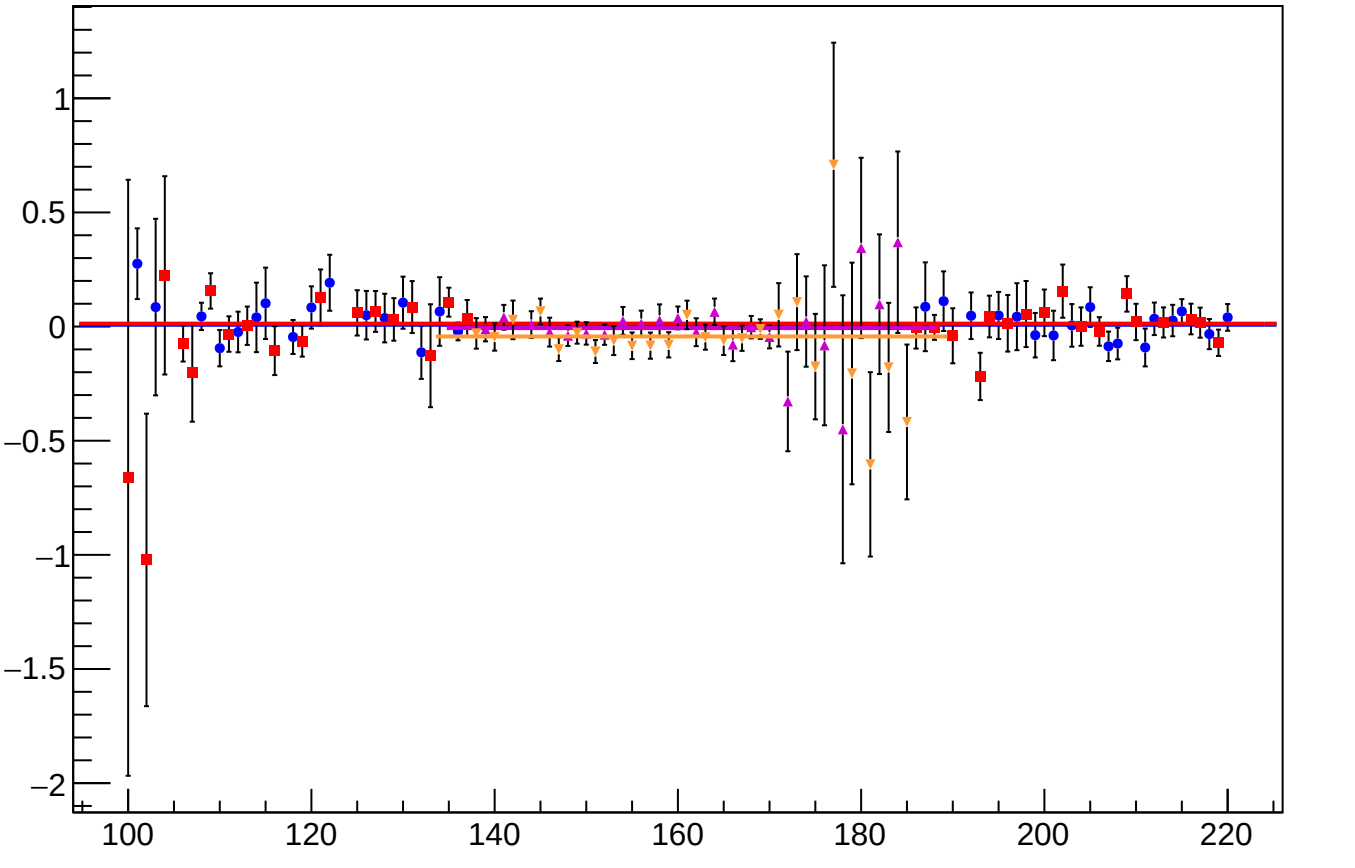
Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.9/56

All: 0.000+/-0.000 χ^2/NDF: 137.6/114

- sign -0.000+/-0.000 χ^2/NDF: 54.8/57


asym_us_dd_atlr_dd_avg_reg_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
220
Right In: 0.000+/-0.000 χ²/NDF: 13720381.1/32
Left Out: 0.000+/-0.000 χ²/NDF:2075235.5/23
Right Out: 0.000+/-0.000 χ²/NDF: 9330768.4/34
Left In: 0.000+/-0.000 χ²/NDF:1894438.8/22
+ sign 0.000+/-0.000 χ²/NDF: 16412441.4/56
All: 0.000+/-0.000 χ²/NDF: 31281666.3/114
- sign 0.000+/-0.000 χ²/NDF: 14744571.1/57



Right In: 0.008+/-0.015 χ^2/NDF: 21.2/32

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

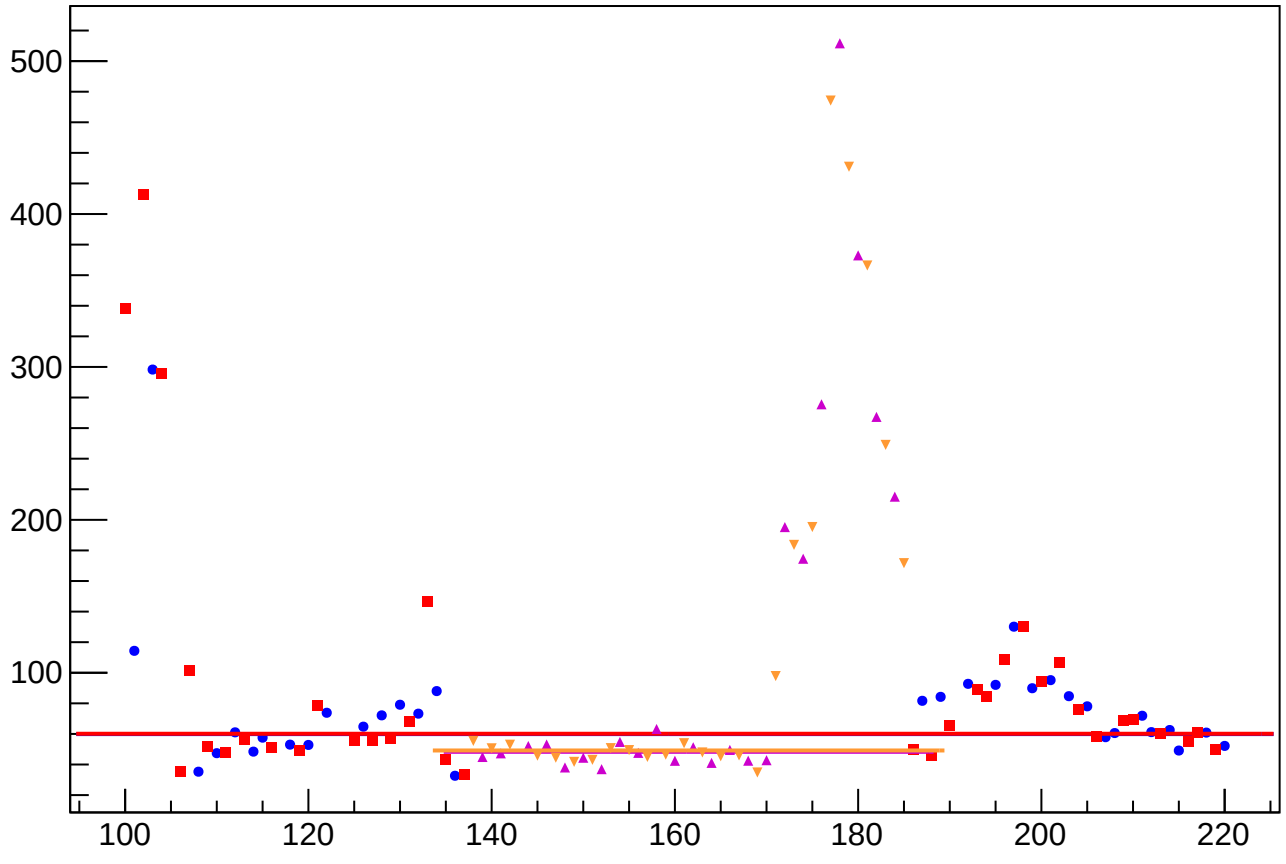
Right Out: 0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.019+/-0.010 χ^2/NDF: 46.5/56

All: -0.008+/-0.007 χ^2/NDF: 89.7/114

- sign 0.002+/-0.010 χ^2/NDF: 41.0/57



Right In: 59.894+/-0.010 χ^2/NDF: 4372294.1/32

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

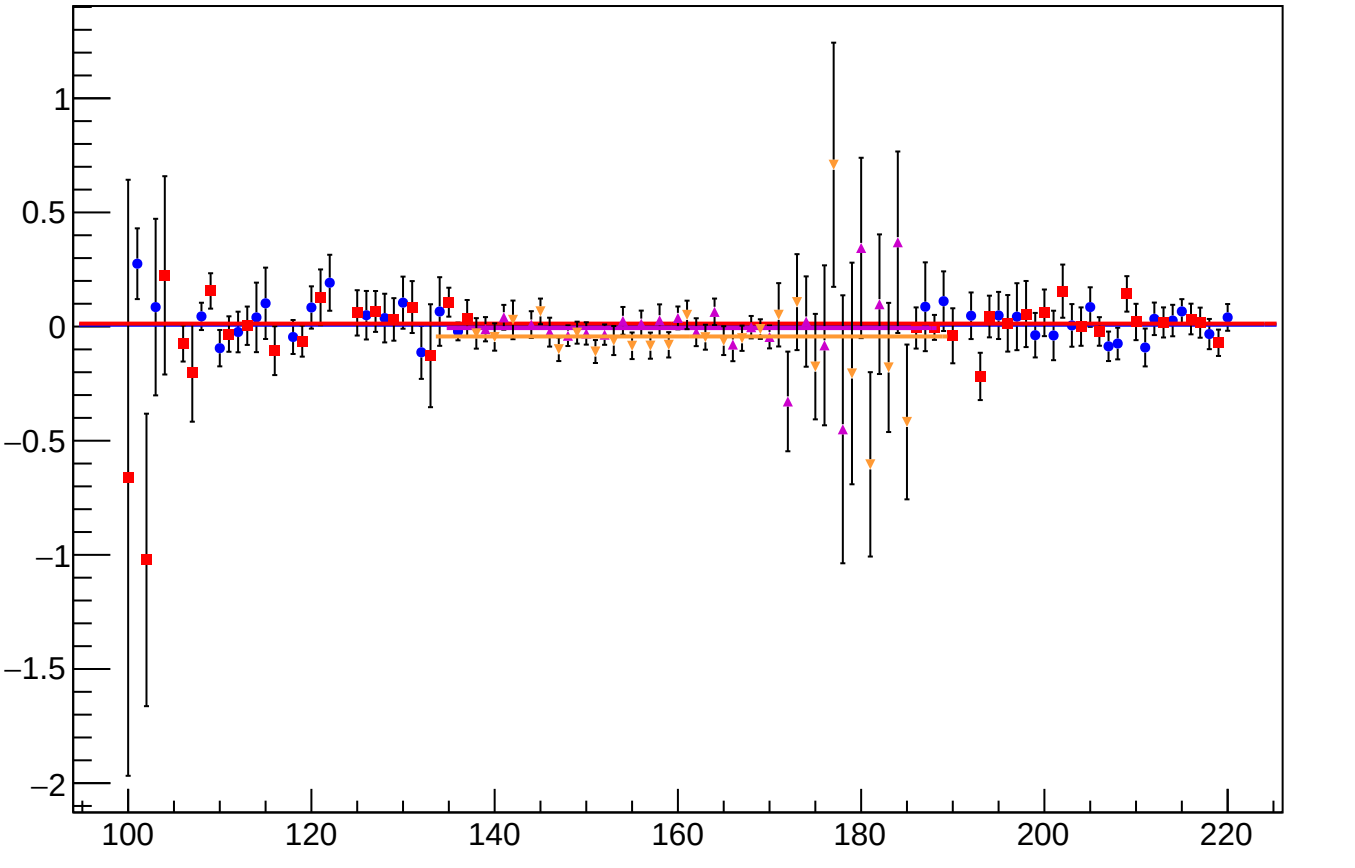
Right Out: 60.111+/-0.010 χ^2/NDF: 4400085.4/34

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 54.290+/-0.007 χ^2/NDF: 12188696.7/56

All: 53.992+/-0.005 χ^2/NDF: 24329029.0/114

- sign 53.698+/-0.007 χ^2/NDF: 12136834.9/57



Right In: 0.008+/-0.015 χ^2/NDF: 21.2/32

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

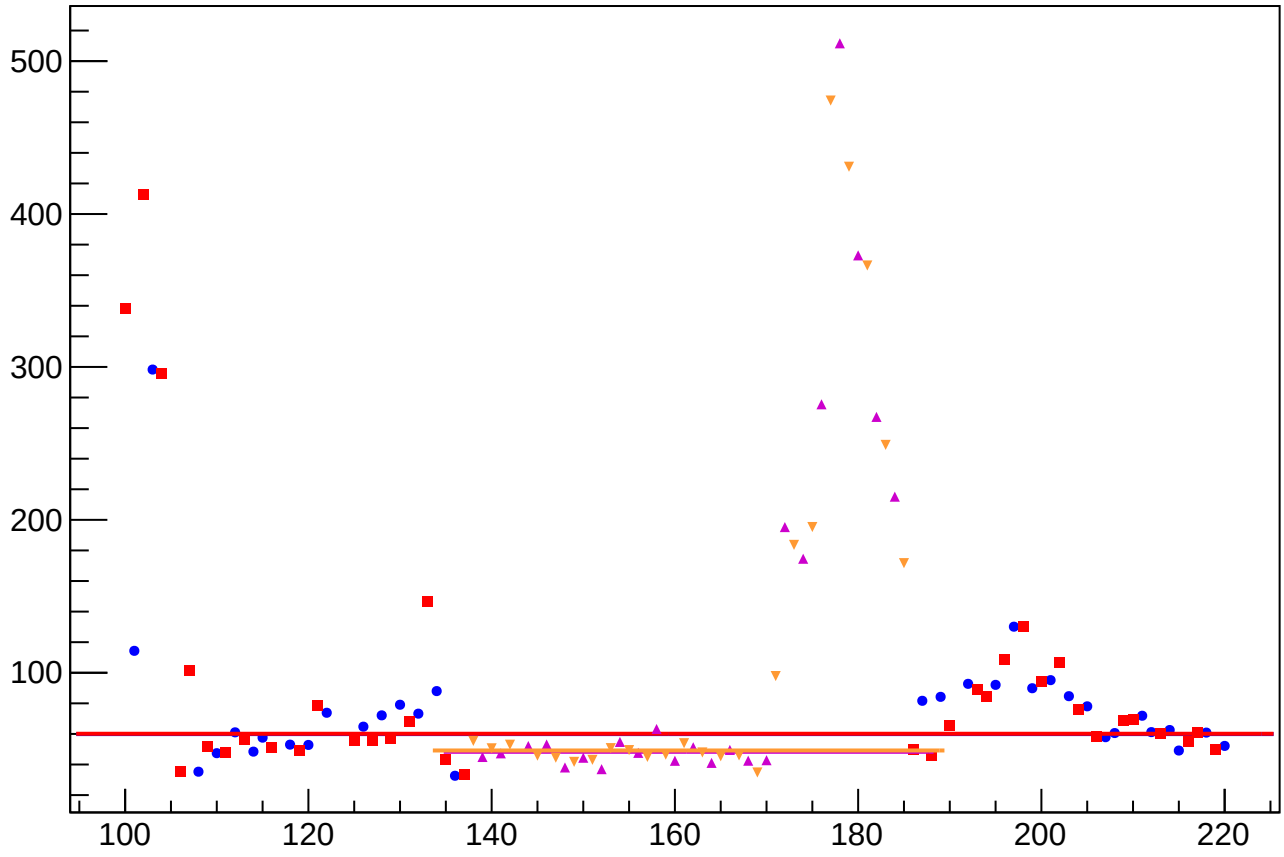
Right Out: 0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.019+/-0.010 χ^2/NDF: 46.5/56

All: -0.008+/-0.007 χ^2/NDF: 89.7/114

- sign 0.002+/-0.010 χ^2/NDF: 41.0/57



Right In: 59.894+/-0.010 χ^2/NDF: 4372294.1/32

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

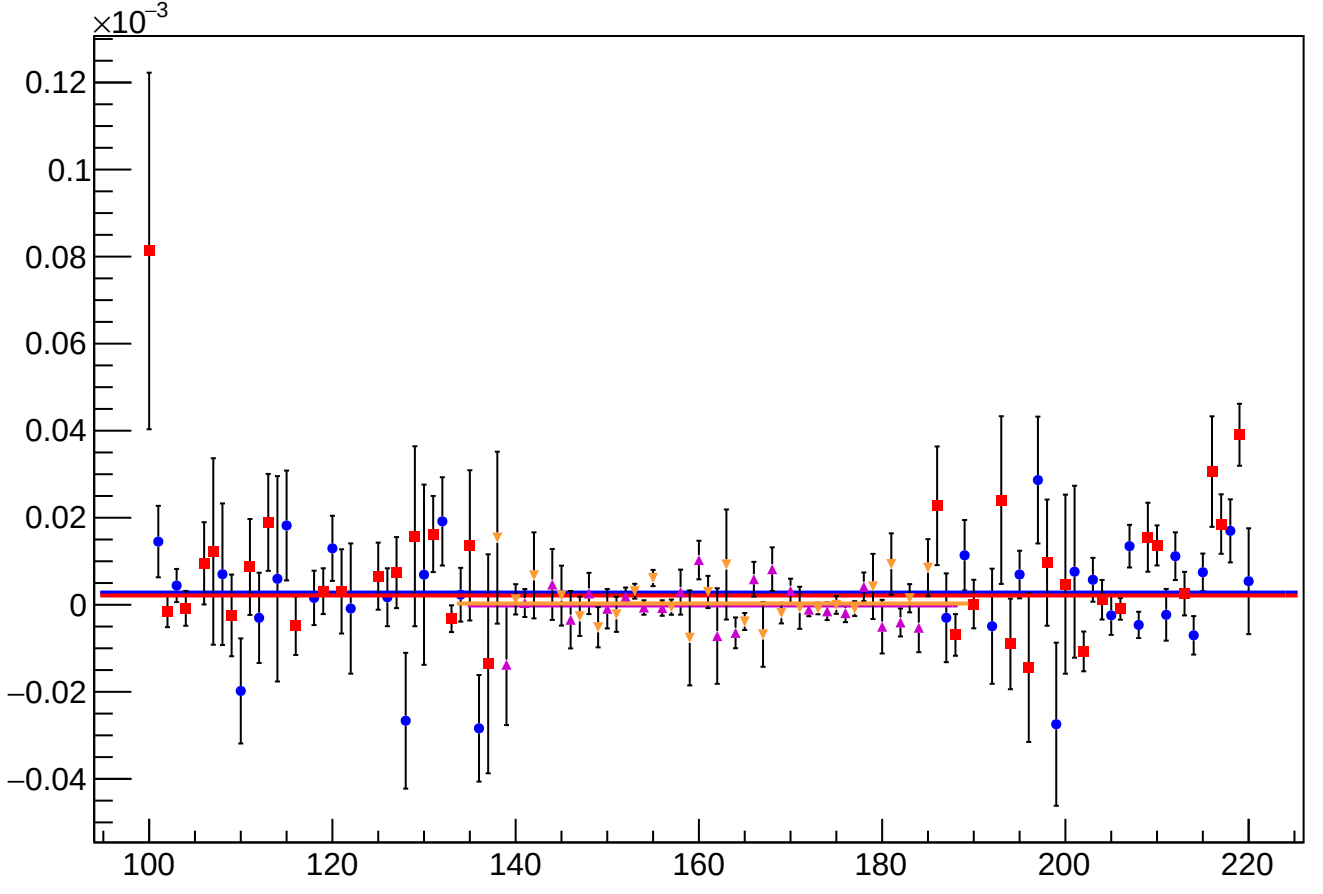
Right Out: 60.111+/-0.010 χ^2/NDF: 4400085.4/34

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 54.290+/-0.007 χ^2/NDF: 12188696.7/56

All: 53.992+/-0.005 χ^2/NDF: 24329029.0/114

- sign 53.698+/-0.007 χ^2/NDF: 12136834.9/57



Right In: 0.000+/-0.000 χ^2/NDF: 56.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

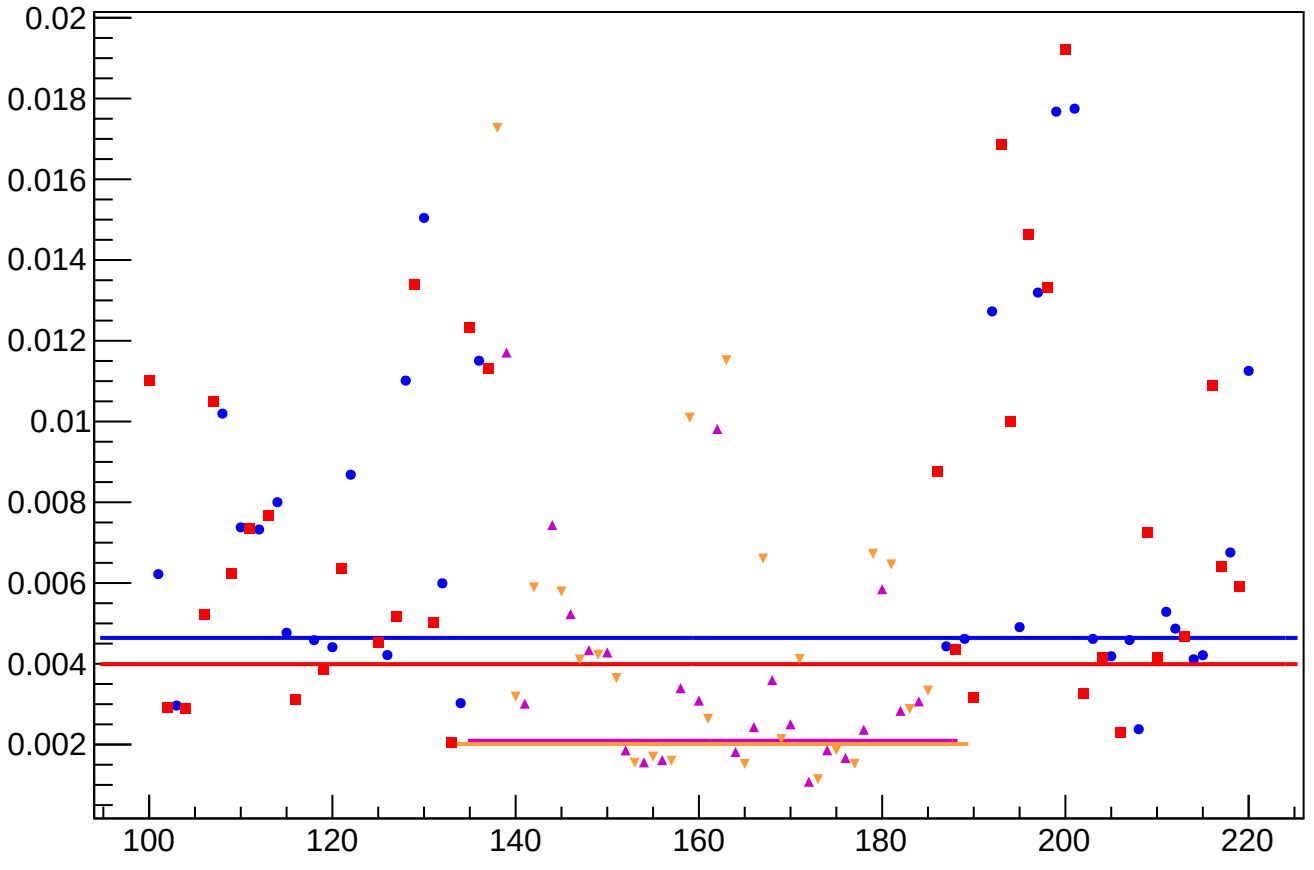
Right Out: 0.000+/-0.000 χ^2/NDF: 83.7/34

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 88.6/56

All: 0.000+/-0.000 χ^2/NDF: 201.4/114

- sign 0.000+/-0.000 χ^2/NDF: 112.6/57



Right In: 0.005+/-0.000 χ^2/NDF: 8040372.3/32

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

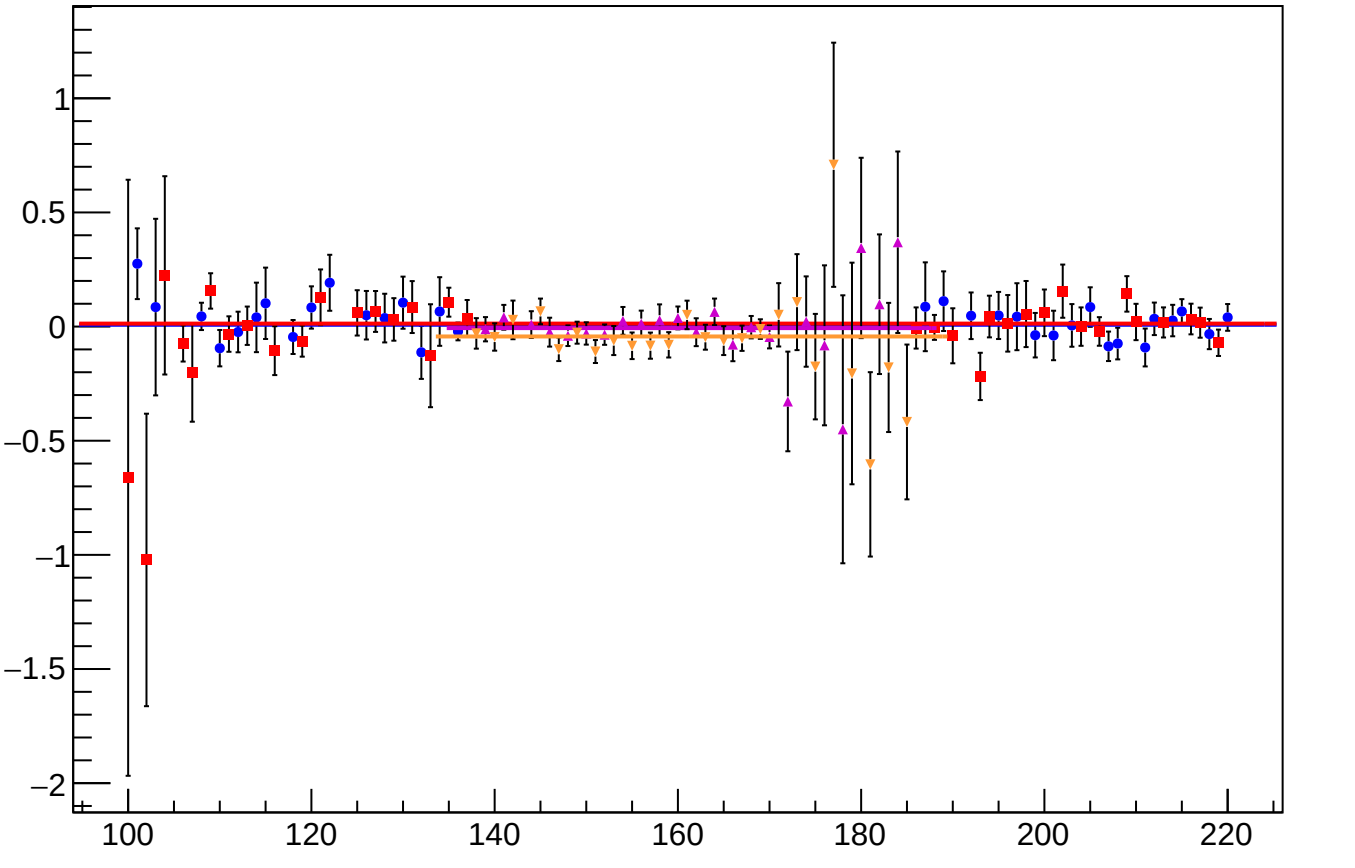
Right Out: 0.004+/-0.000 χ^2/NDF: 10105808.7/34

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 26549086.5/56

All: 0.003+/-0.000 χ^2/NDF: 48759661.9/114

- sign 0.003+/-0.000 χ^2/NDF: 22197947.2/57



Right In: 0.008+/-0.015 χ^2/NDF: 21.2/32

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

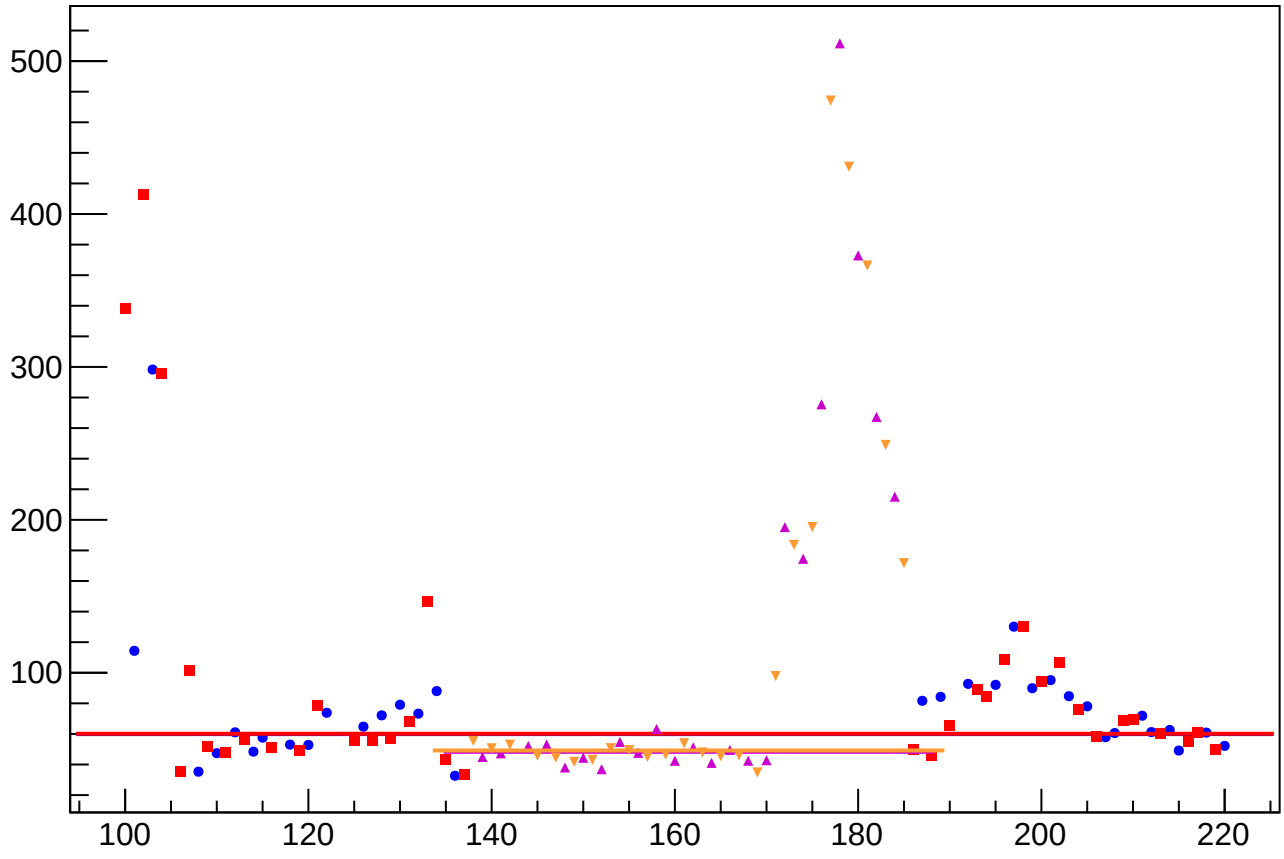
Right Out: 0.013+/-0.015 χ^2/NDF: 28.7/34

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.019+/-0.010 χ^2/NDF: 46.5/56

All: -0.008+/-0.007 χ^2/NDF: 89.7/114

- sign 0.002+/-0.010 χ^2/NDF: 41.0/57



Right In: 59.894+/-0.010 χ^2/NDF: 4372112.9/32

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

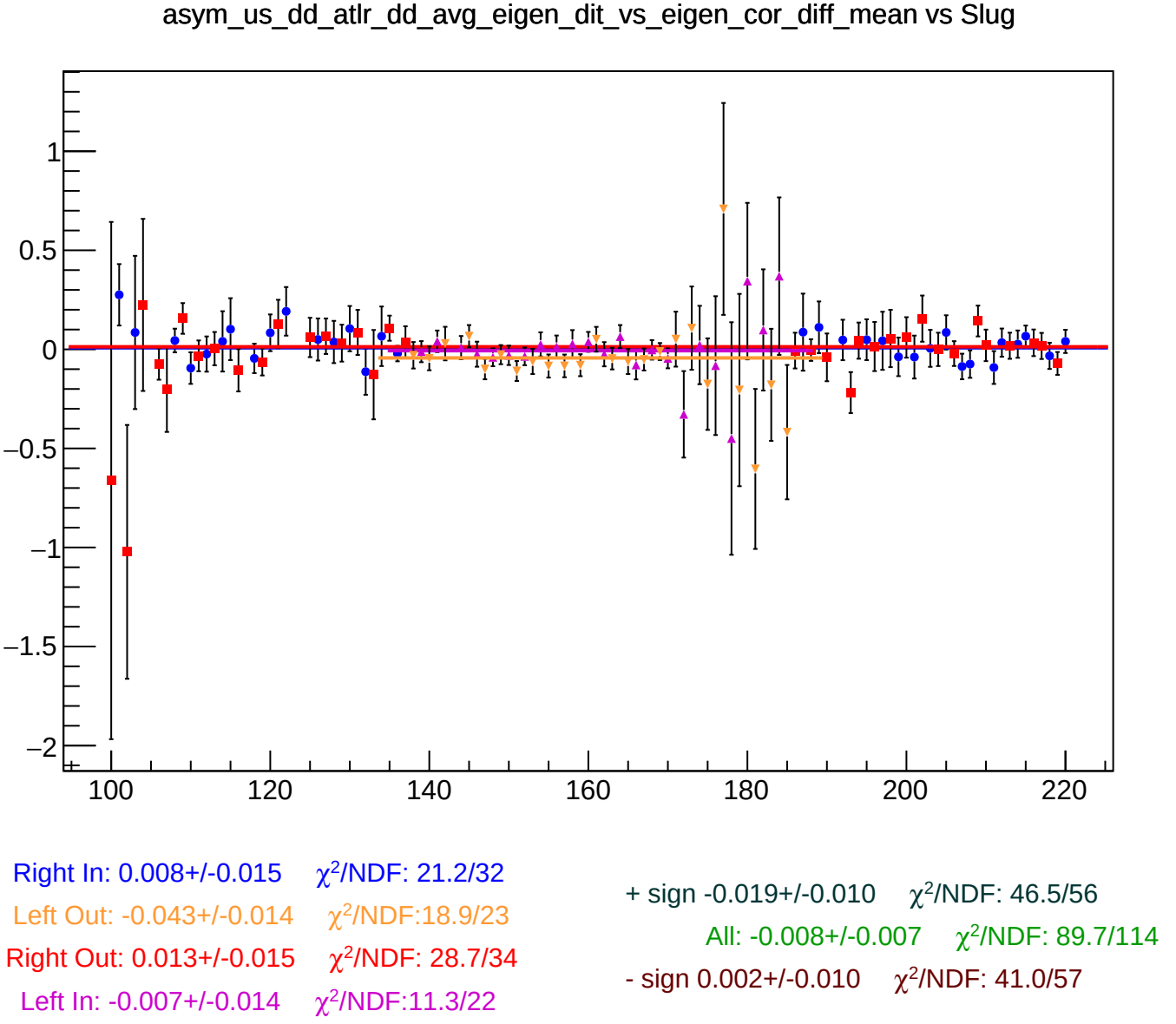
Right Out: 60.112+/-0.010 χ^2/NDF: 4399925.9/34

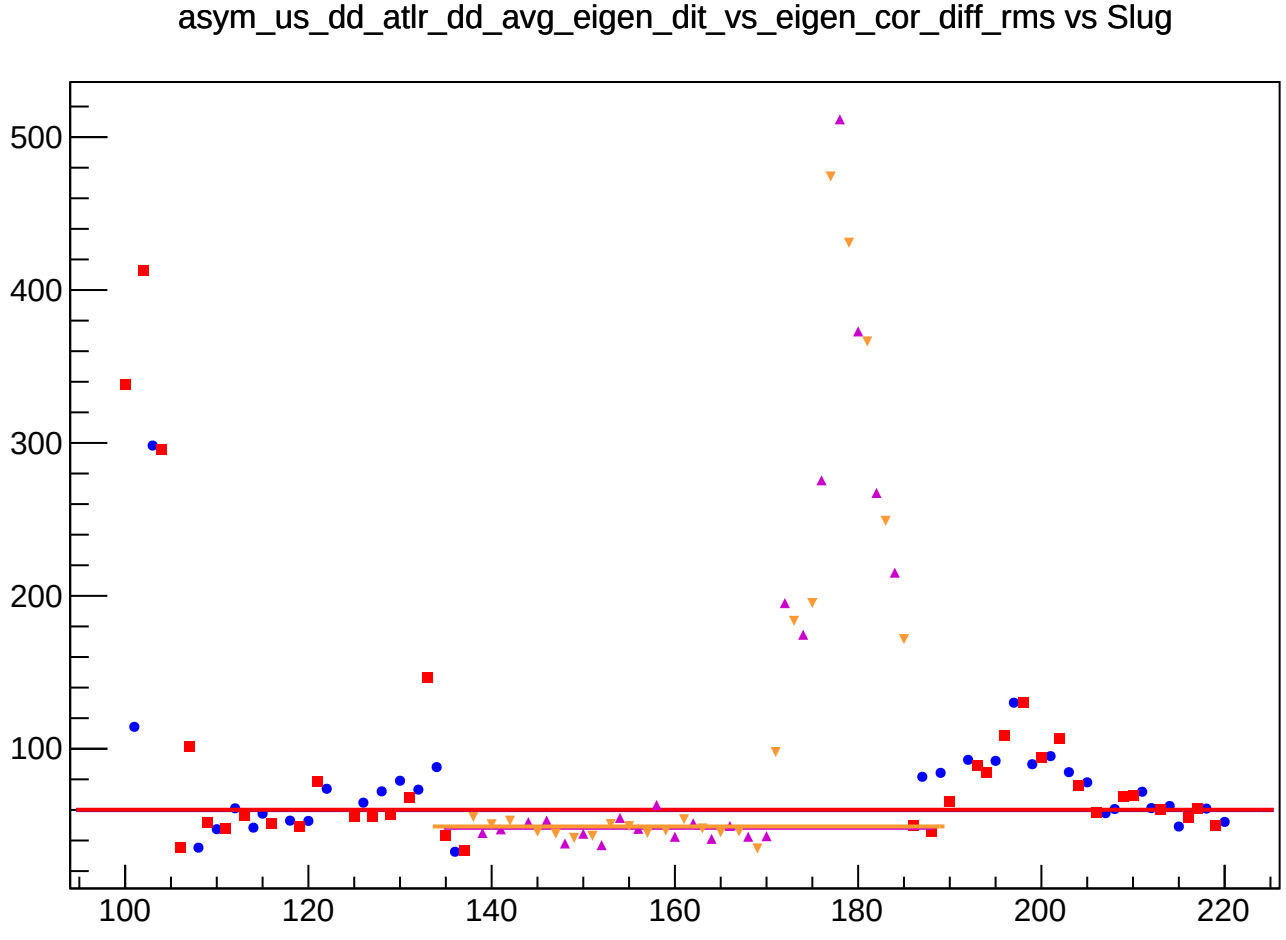
Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 54.290+/-0.007 χ^2/NDF: 12188599.6/56

All: 53.992+/-0.005 χ^2/NDF: 24328729.5/114

- sign 53.699+/-0.007 χ^2/NDF: 12136638.3/57


asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.5
0
−0.5
−1
−1.5
−2
100
120
140
160
180
200
220
Right In: 0.008+/-0.015 χ²/NDF: 21.2/32
Left Out: -0.043+/-0.014 χ²/NDF:18.9/23
Right Out: 0.013+/-0.015 χ²/NDF: 28.7/34
Left In: -0.007+/-0.014 χ²/NDF:11.3/22
+ sign -0.019+/-0.010 χ²/NDF: 46.5/56
All: -0.008+/-0.007 χ²/NDF: 89.7/114
- sign 0.002+/-0.010 χ²/NDF: 41.0/57



Right In: 59.894+/-0.010 χ^2/NDF: 4372112.9/32

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

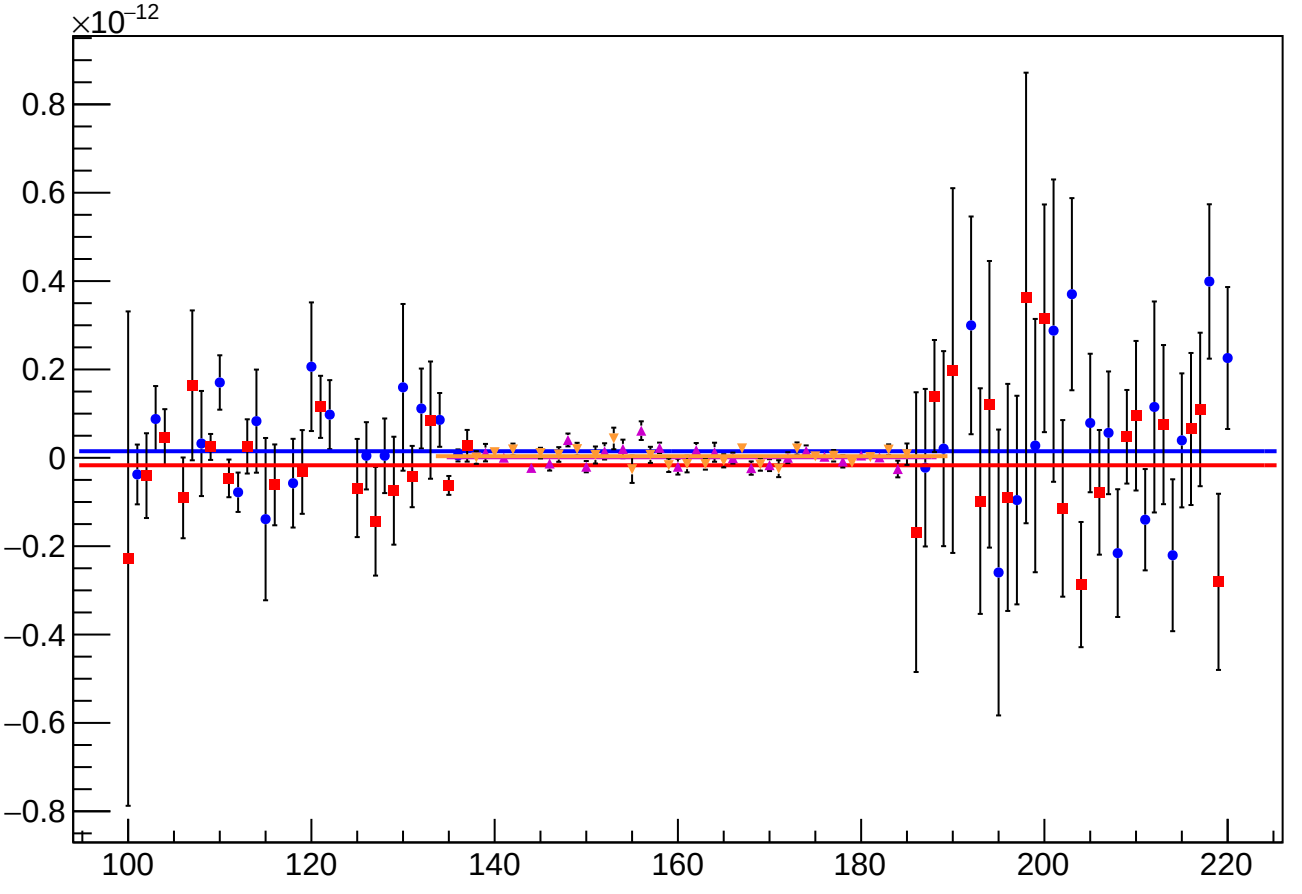
Right Out: 60.112+/-0.010 χ^2/NDF: 4399925.9/34

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 54.290+/-0.007 χ^2/NDF: 12188599.6/56

All: 53.992+/-0.005 χ^2/NDF: 24328729.5/114

- sign 53.699+/-0.007 χ^2/NDF: 12136638.3/57



Right In: 0.000+/-0.000 χ^2/NDF: 39.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

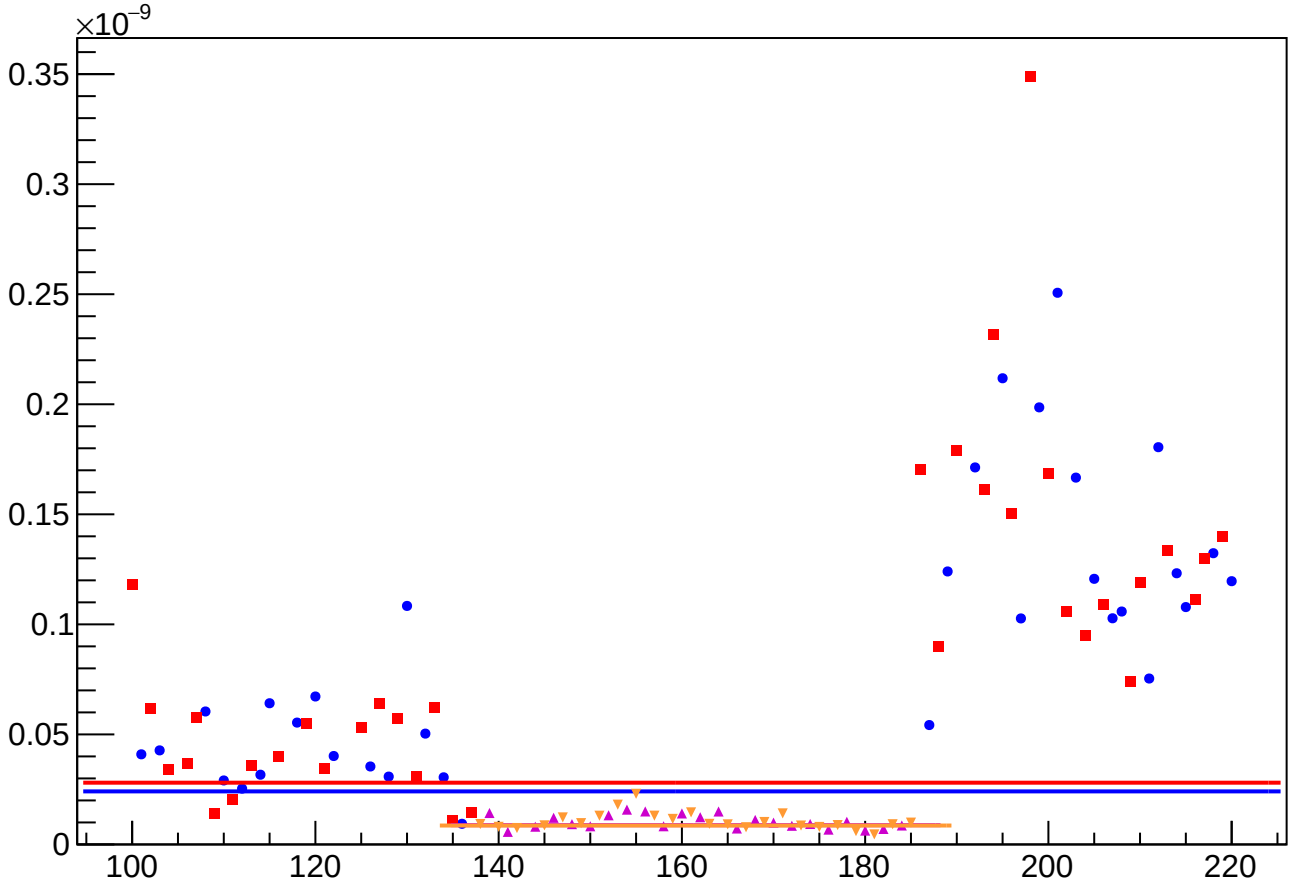
Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/34

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.8/56

All: 0.000+/-0.000 χ^2/NDF: 138.4/114

- sign 0.000+/-0.000 χ^2/NDF: 72.5/57



Right In: 0.000+/-0.000 χ^2/NDF: 14600979.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 12384185.8/34

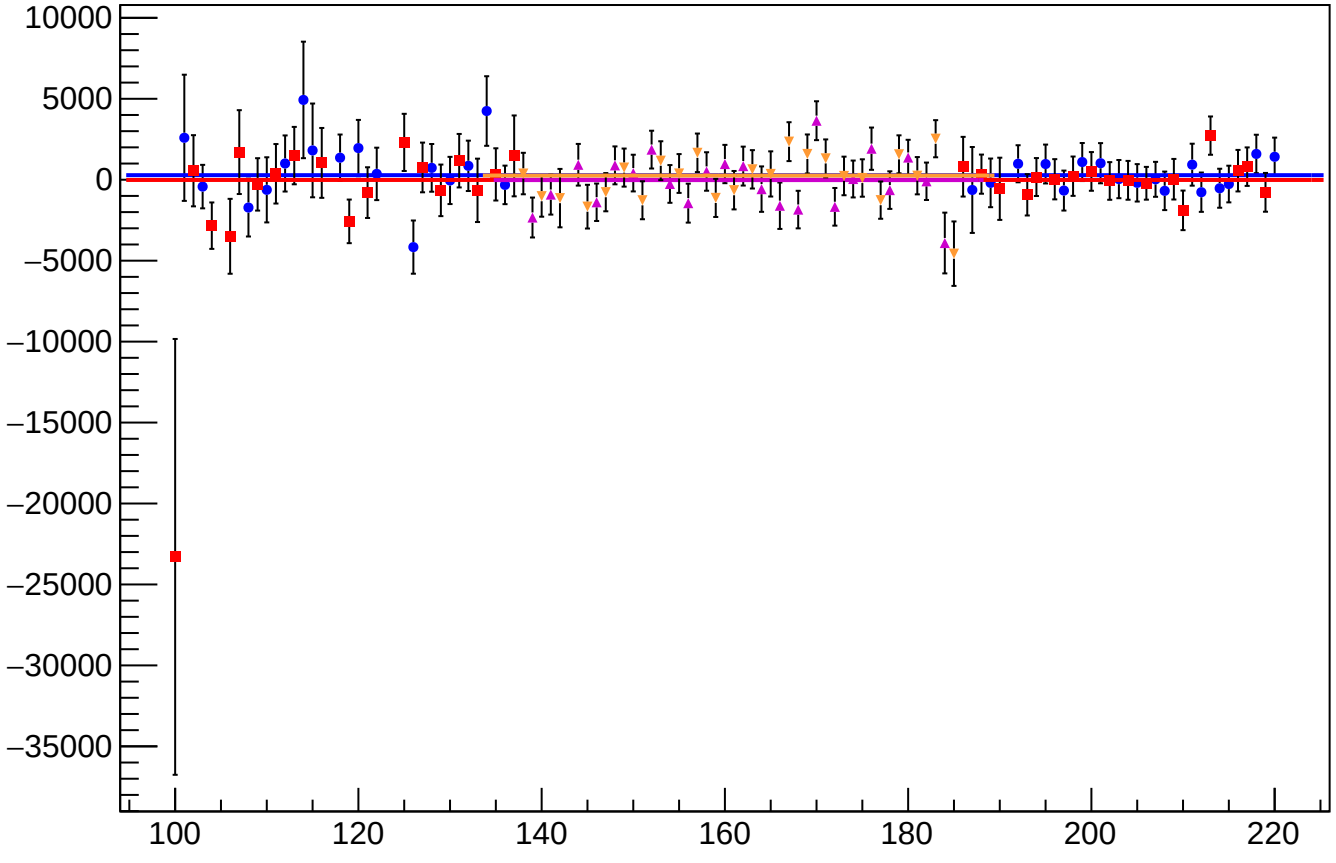
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 20879988.4/56

All: 0.000+/-0.000 χ^2/NDF: 40103061.1/114

- sign 0.000+/-0.000 χ^2/NDF: 19216209.3/57

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 281.770+/-243.878 χ^2/NDF: 24.0/32

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -14.301+/-245.608 χ^2/NDF: 27.7/34

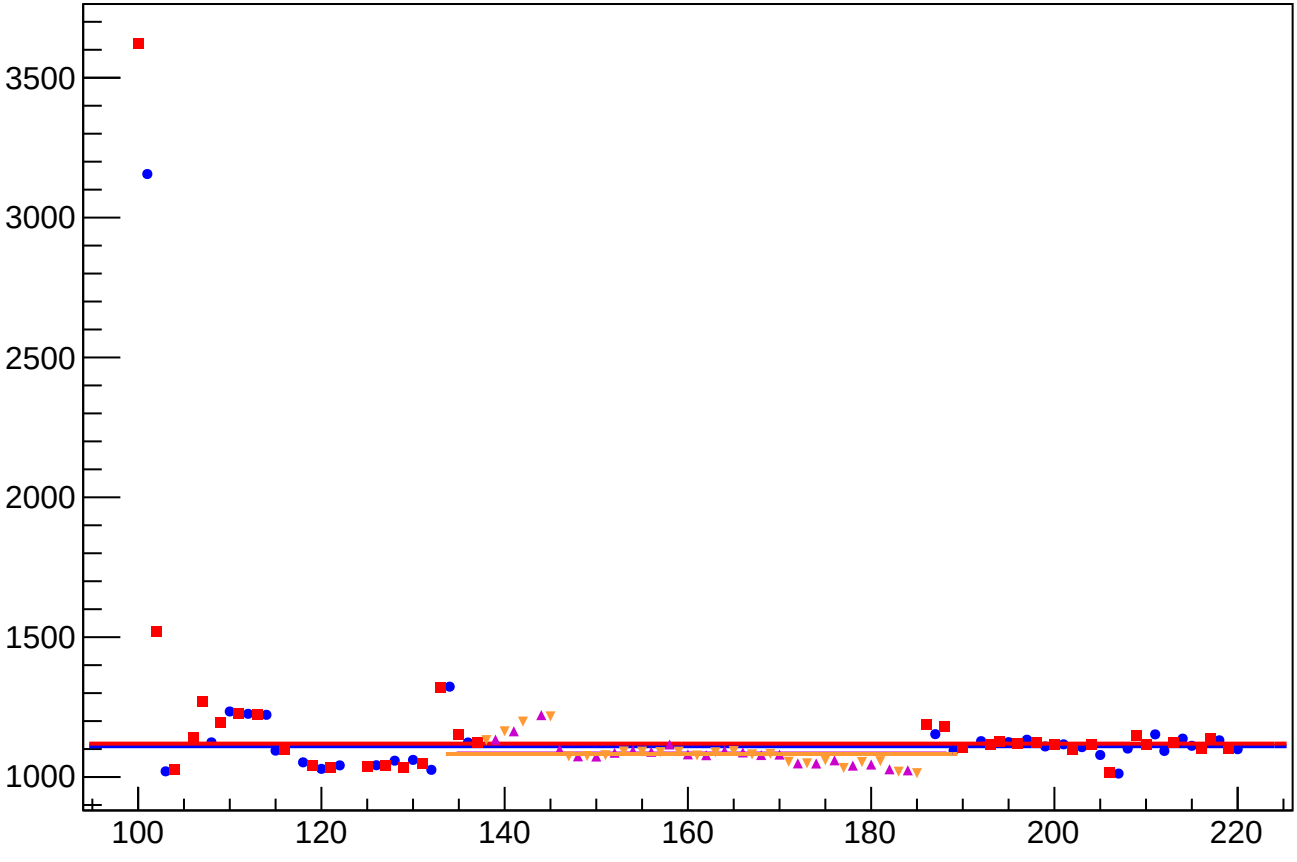
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

\+ sign 271.531+/-175.047 χ^2/NDF: 52.3/56

All: 127.725+/-124.231 χ^2/NDF: 117.1/114

\- sign -18.210+/-176.338 χ^2/NDF: 63.5/57

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1110.182+/-0.172 χ^2/NDF: 648448.6/32

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

Right Out: 1119.411+/-0.174 χ^2/NDF: 253824.2/34

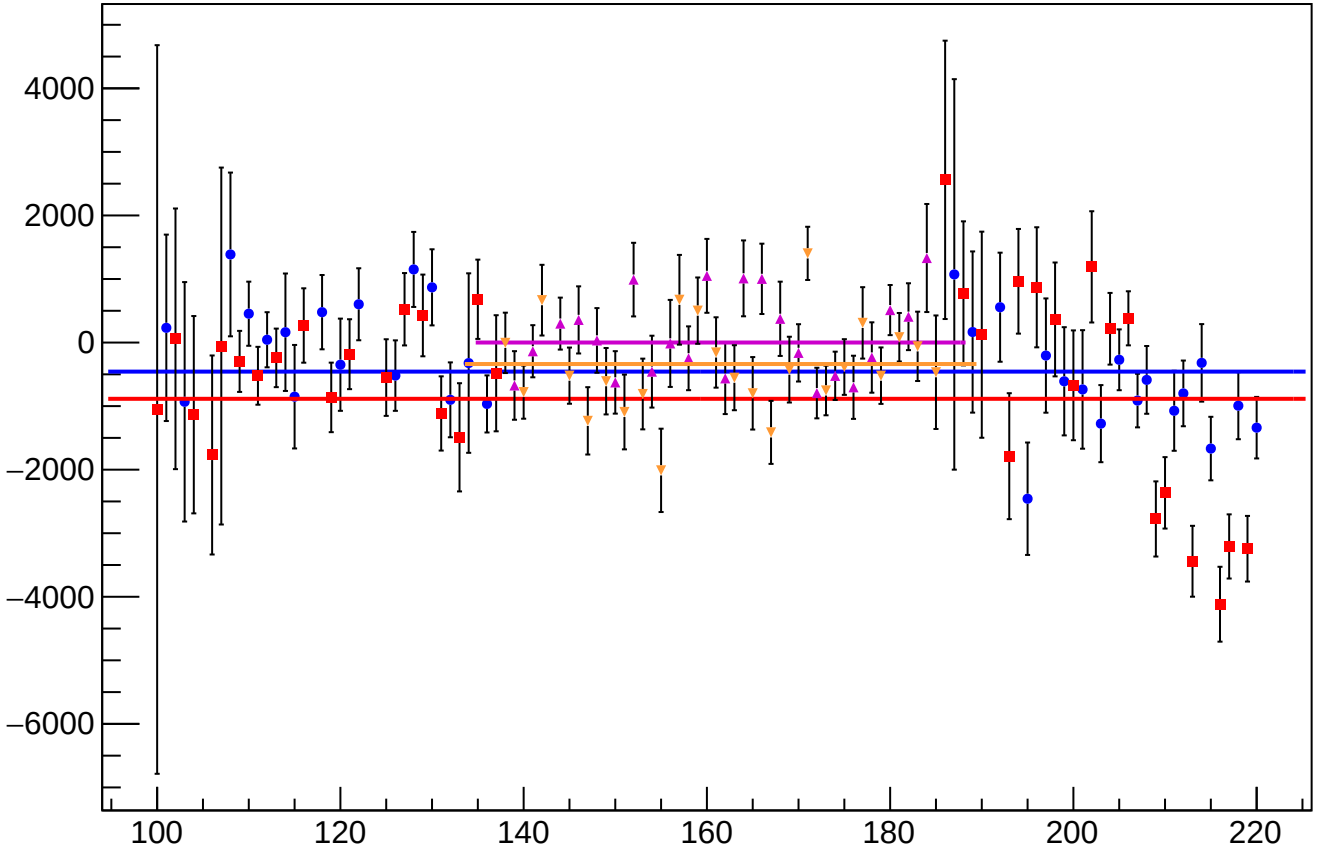
Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1096.668+/-0.124 χ^2/NDF: 718988.6/56

All: 1099.480+/-0.088 χ^2/NDF: 1047247.3/11

- sign 1102.334+/-0.125 χ^2/NDF: 327218.7/57

asym_us_dd_atlr_dd_dd_reg_correction_mean vs Slug



Right In: -457.108+/-110.004 χ^2/NDF: 50.0/32

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

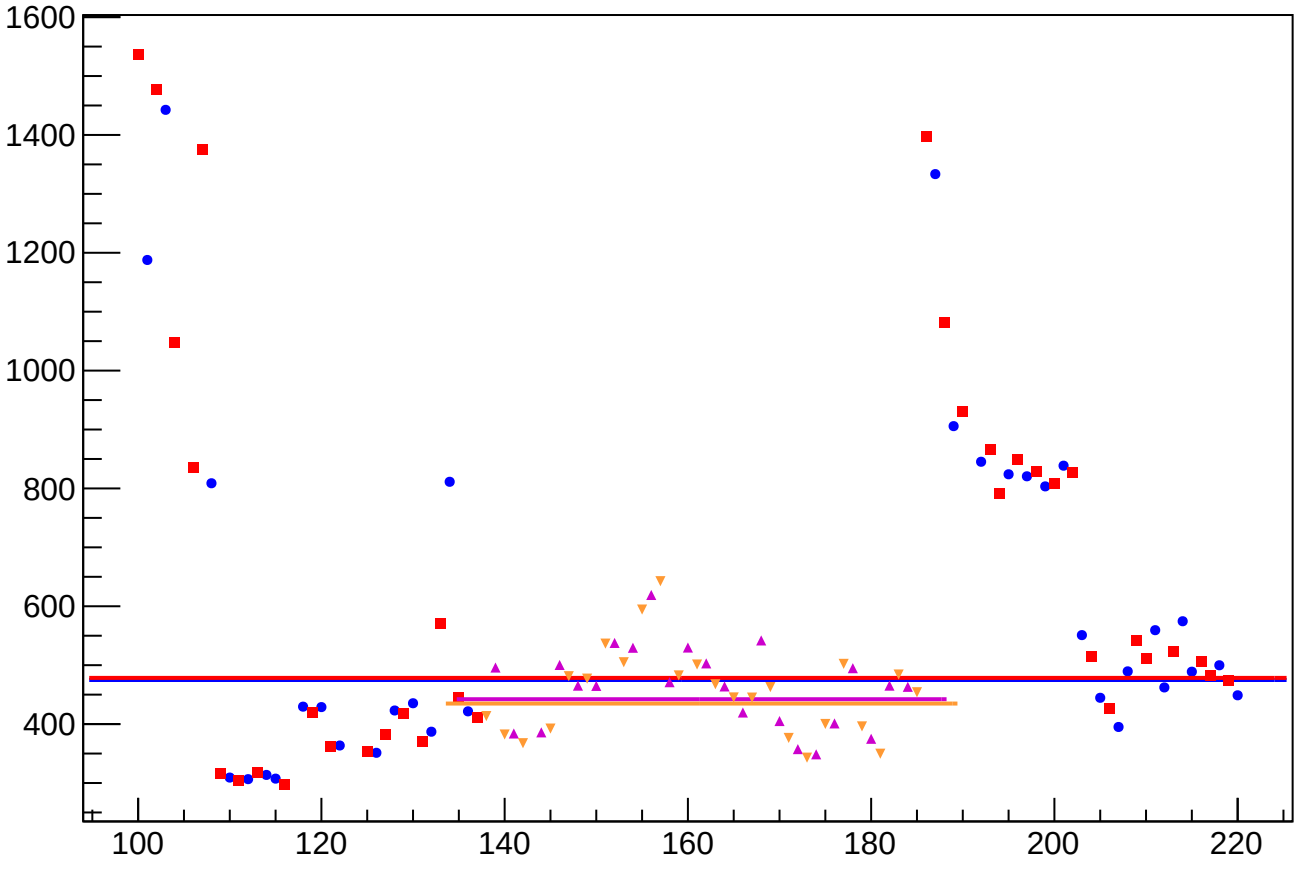
Right Out: -885.096+/-112.993 χ^2/NDF: 172.9/34

Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -393.266+/-75.031 χ^2/NDF: 99.4/56

All: -400.814+/-53.673 χ^2/NDF: 337.2/114

- sign -408.724+/-76.812 χ^2/NDF: 237.8/57



Right In: 474.839+/-0.078 χ^2/NDF: 4388199.7/32

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 478.418+/-0.080 χ^2/NDF: 5432789.0/34

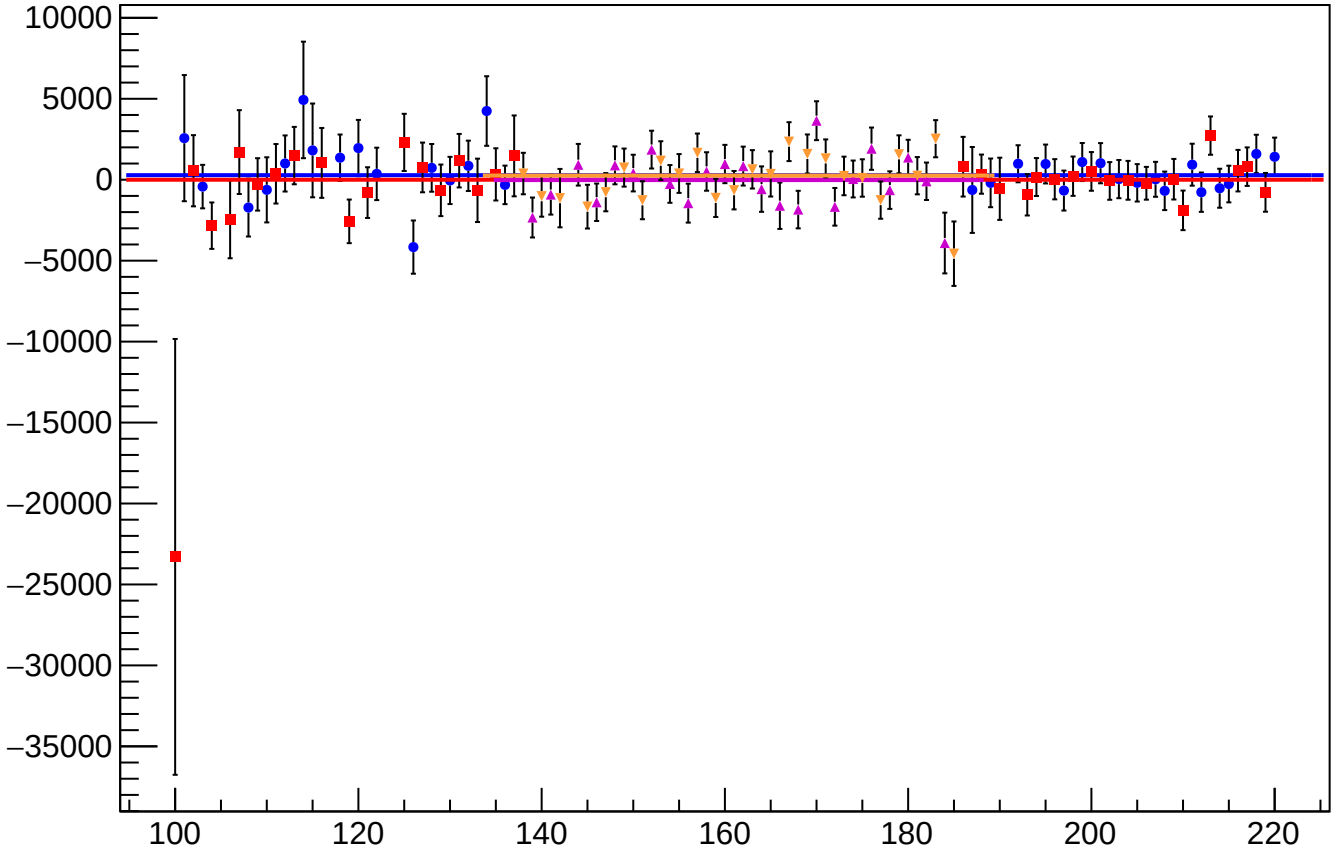
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 453.459+/-0.053 χ^2/NDF: 5407900.2/56

All: 456.136+/-0.038 χ^2/NDF: 11782350.5/11

- sign 458.942+/-0.054 χ^2/NDF: 6369235.2/57

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 281.649+/-243.878 χ^2/NDF: 24.0/32

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -0.308+/-245.714 χ^2/NDF: 26.4/34

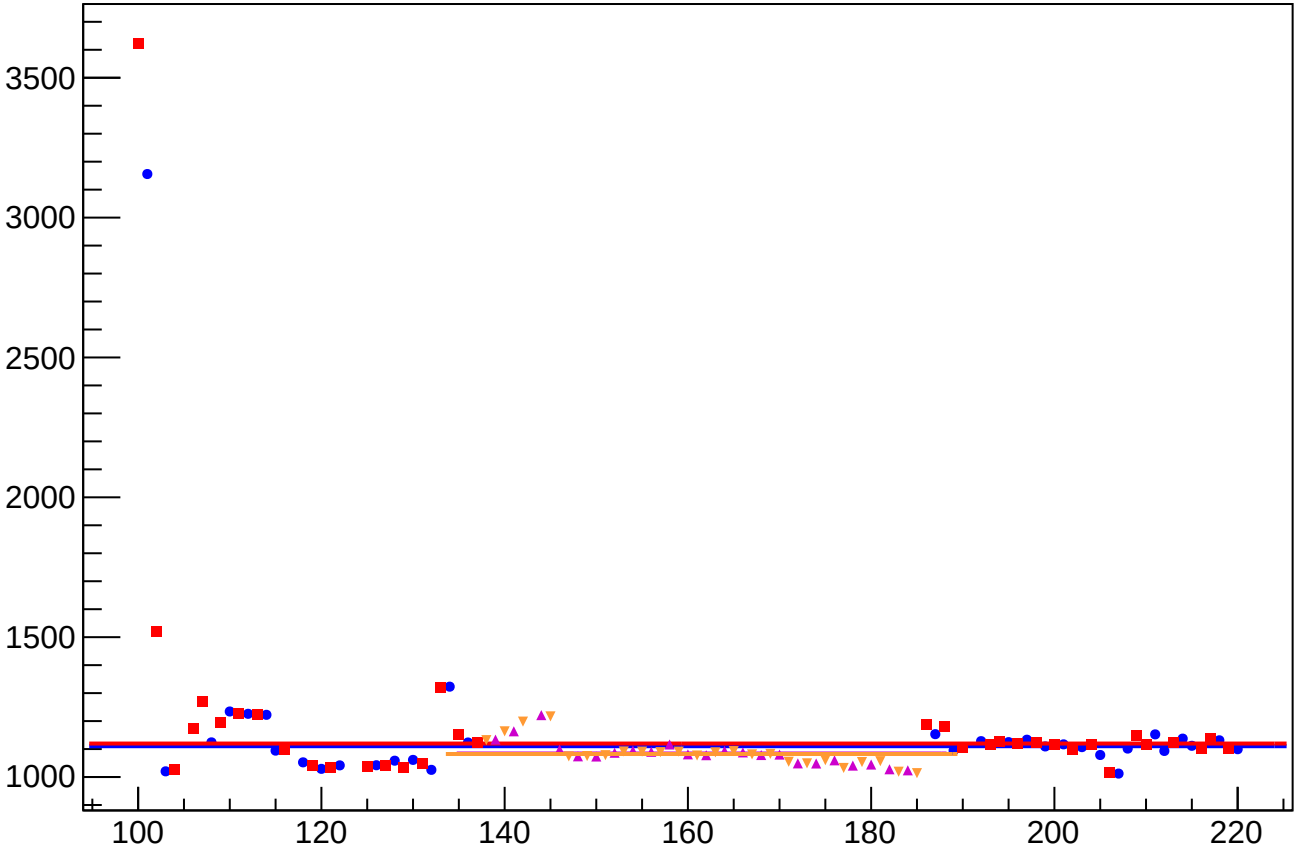
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 271.463+/-175.047 χ^2/NDF: 52.3/56

All: 131.302+/-124.245 χ^2/NDF: 115.8/114

- sign -10.999+/-176.378 χ^2/NDF: 62.2/57

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1110.182+/-0.172 χ^2/NDF: 648449.6/32

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

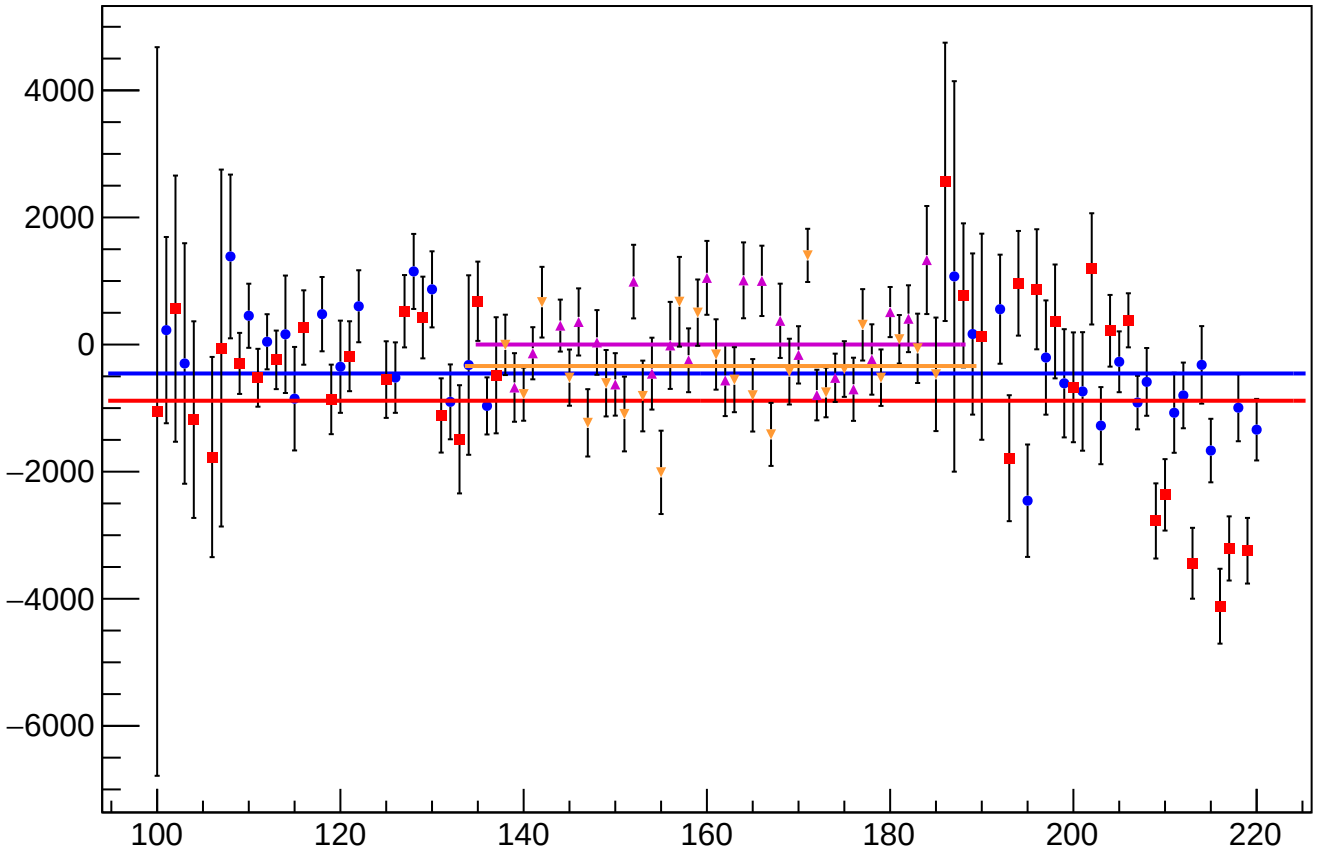
Right Out: 1119.719+/-0.174 χ^2/NDF: 254601.2/34

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1096.668+/-0.124 χ^2/NDF: 718989.5/56

All: 1099.555+/-0.088 χ^2/NDF: 1048422.9/11

- sign 1102.485+/-0.125 χ^2/NDF: 328337.3/57



Right In: -455.040+/-110.005 χ^2/NDF: 49.9/32

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

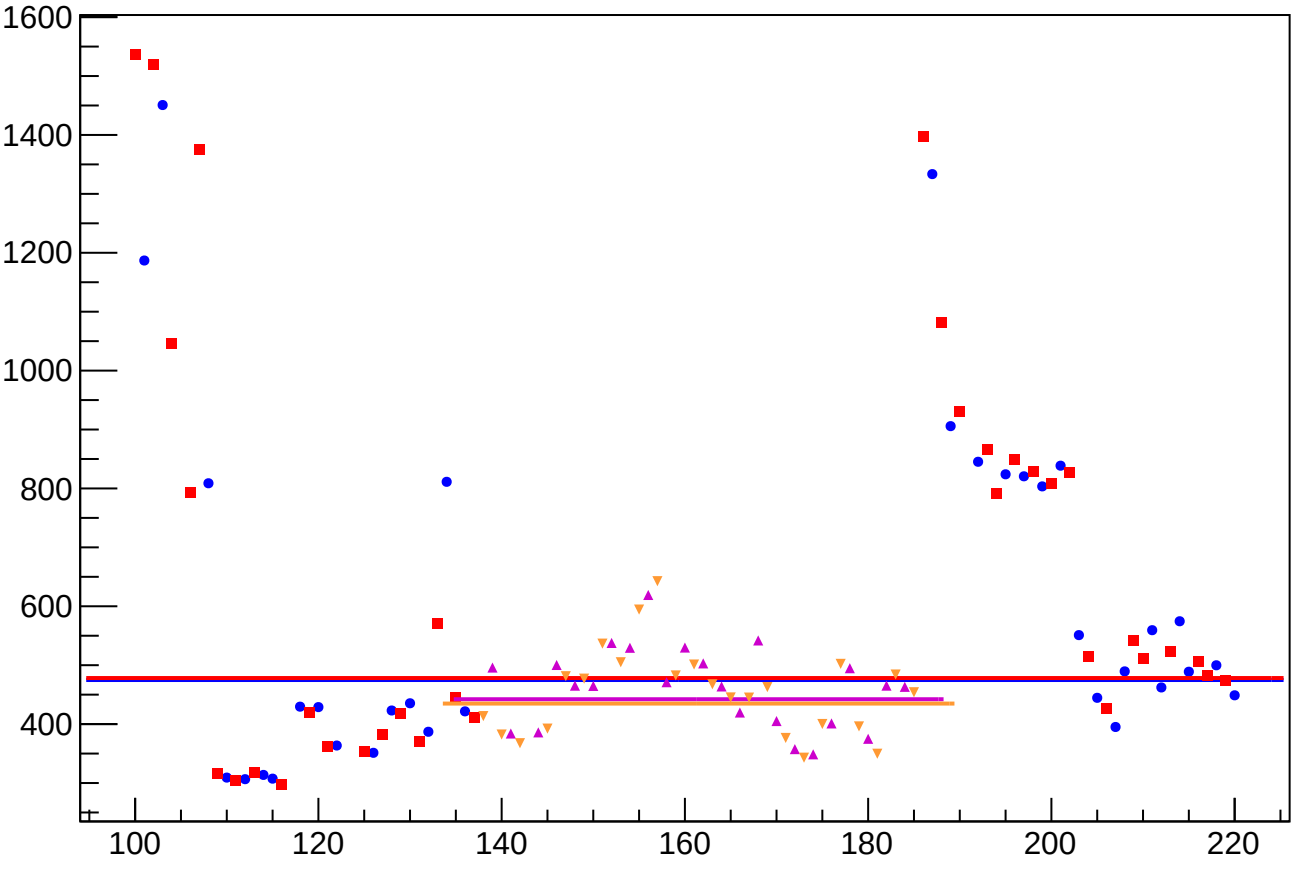
Right Out: -883.983+/-113.002 χ^2/NDF: 173.2/34

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

\+ sign -392.351+/-75.031 χ^2/NDF: 99.3/56

All: -400.072+/-53.674 χ^2/NDF: 337.3/114

\- sign -408.165+/-76.814 χ^2/NDF: 238.0/57



Right In: 474.836+/-0.078 χ^2/NDF: 4391993.9/32

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

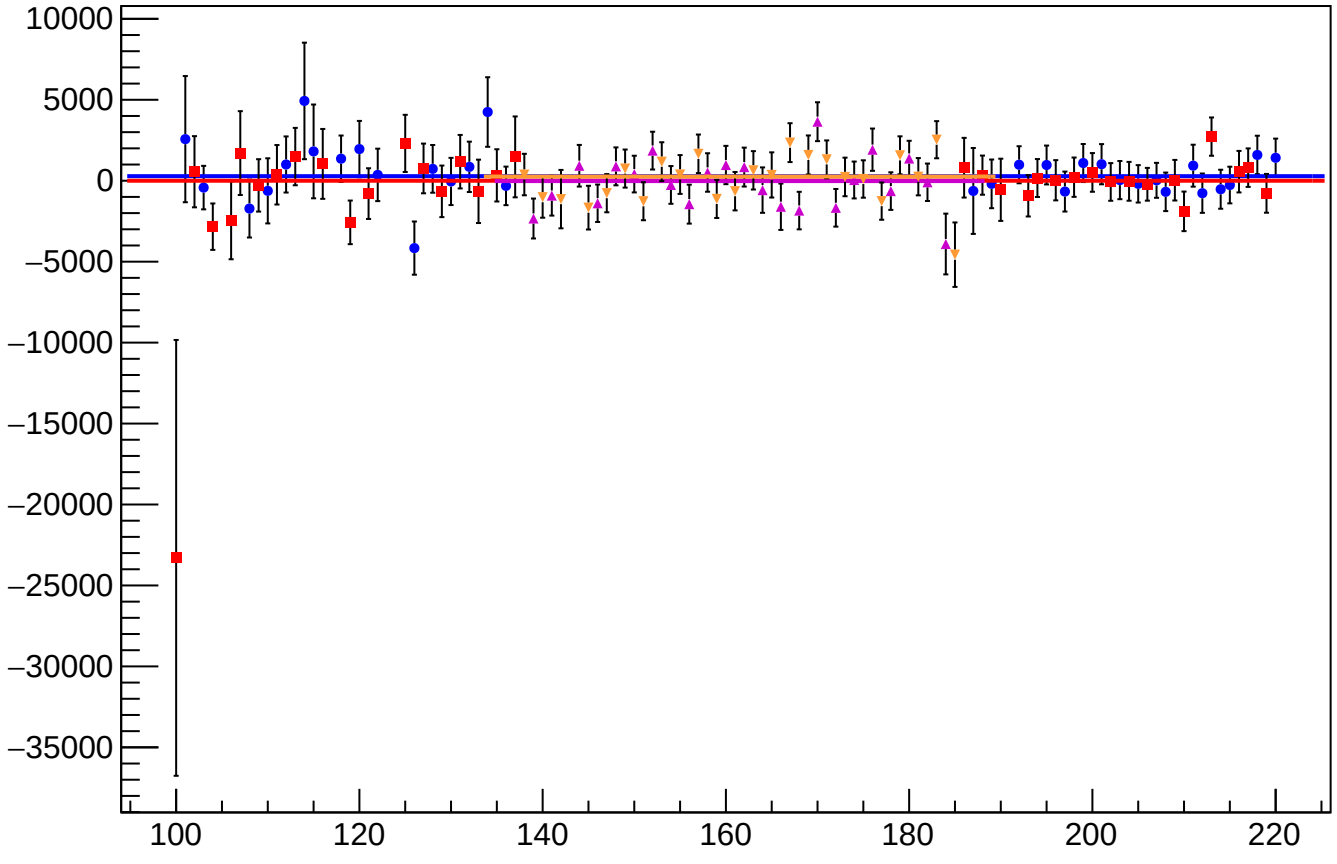
Right Out: 478.190+/-0.080 χ^2/NDF: 5427690.8/34

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 453.455+/-0.053 χ^2/NDF: 5411776.1/56

All: 456.082+/-0.038 χ^2/NDF: 11779400.7/11

- sign 458.835+/-0.054 χ^2/NDF: 6362603.8/57



Right In: 281.649+/-243.878 χ^2/NDF: 24.0/32

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -0.308+/-245.714 χ^2/NDF: 26.4/34

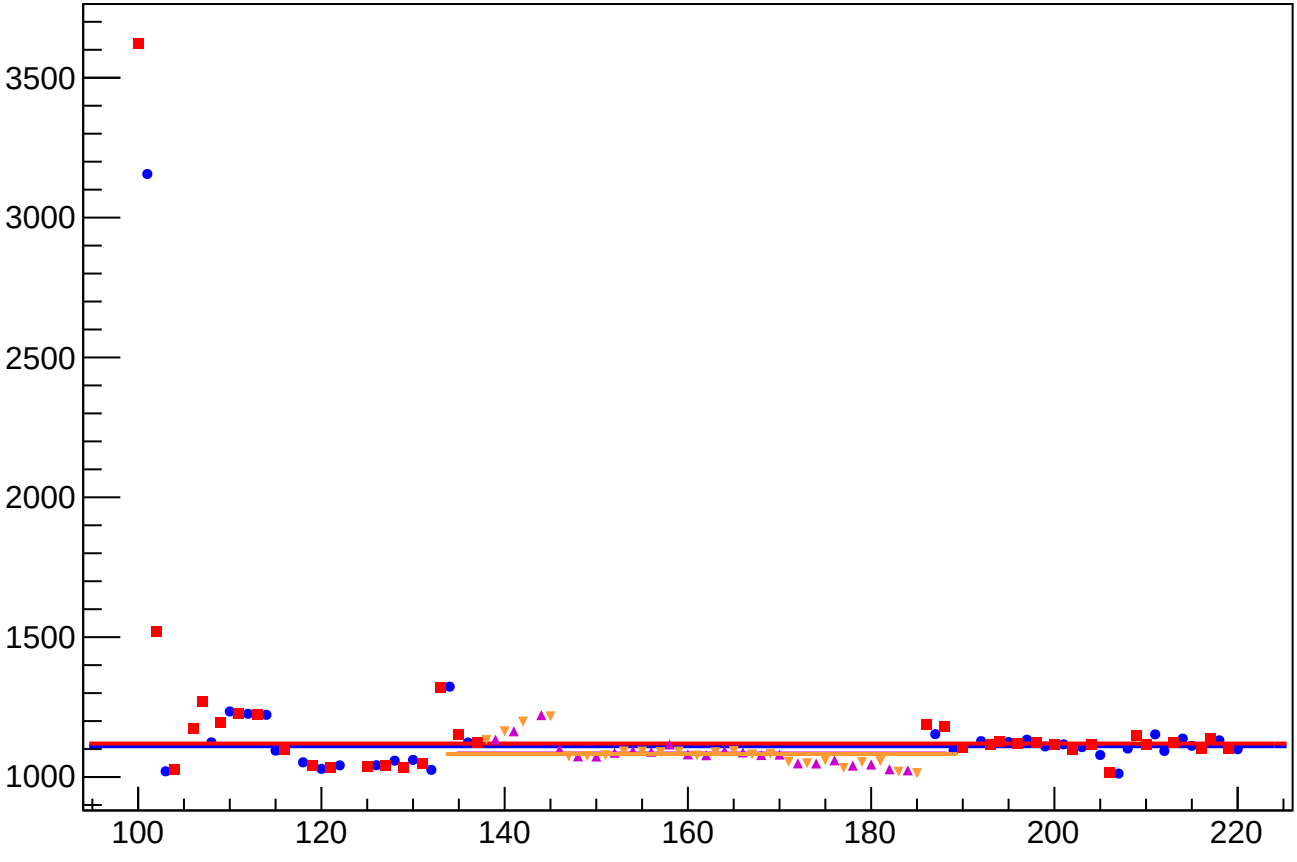
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 271.463+/-175.047 χ^2/NDF: 52.3/56

All: 131.302+/-124.245 χ^2/NDF: 115.8/114

- sign -10.999+/-176.378 χ^2/NDF: 62.2/57

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1110.182+/-0.172 χ^2/NDF: 648449.6/32

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

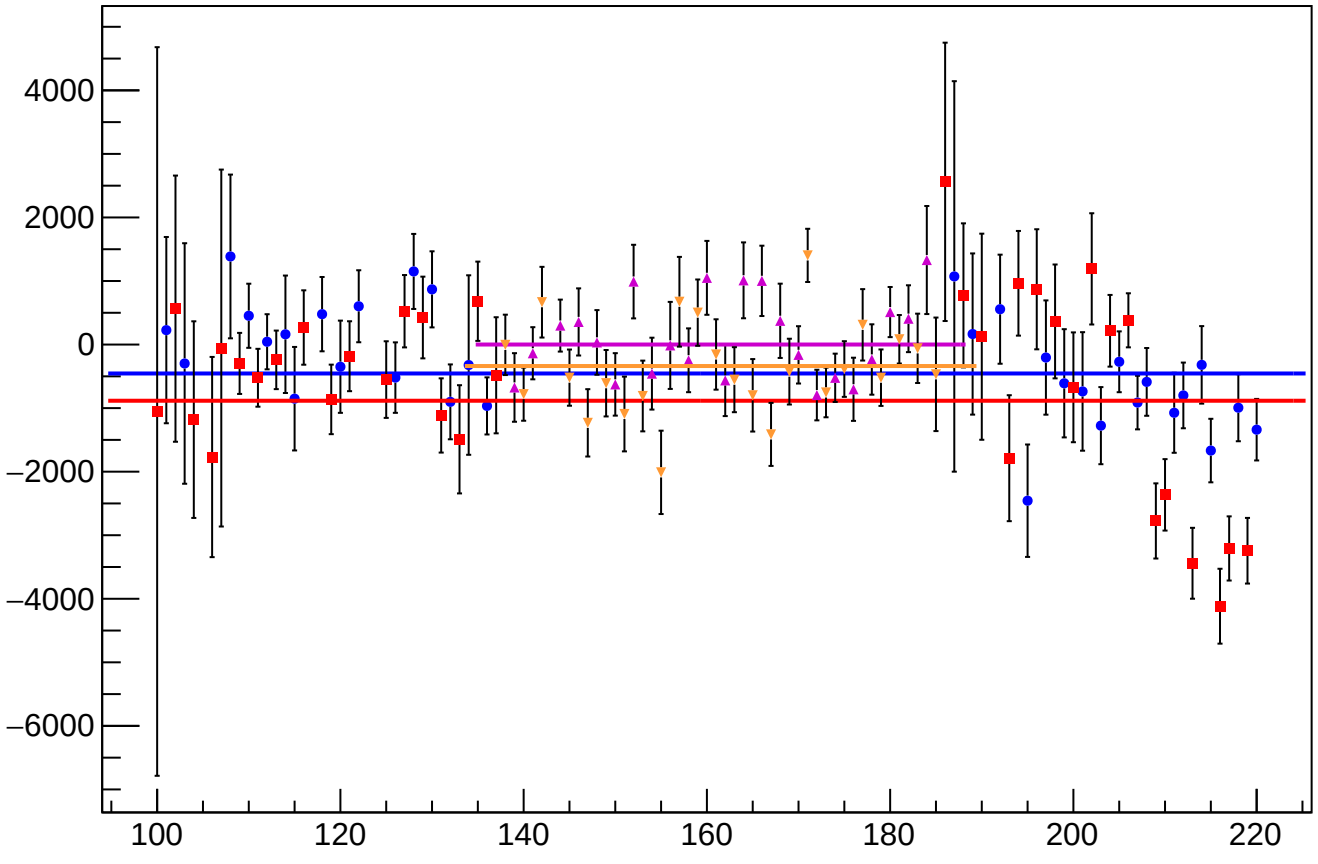
Right Out: 1119.719+/-0.174 χ^2/NDF: 254601.2/34

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1096.668+/-0.124 χ^2/NDF: 718989.5/56

All: 1099.555+/-0.088 χ^2/NDF: 1048422.9/11

- sign 1102.485+/-0.125 χ^2/NDF: 328337.3/57



Right In: -455.040+/-110.005 χ^2/NDF: 49.9/32

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

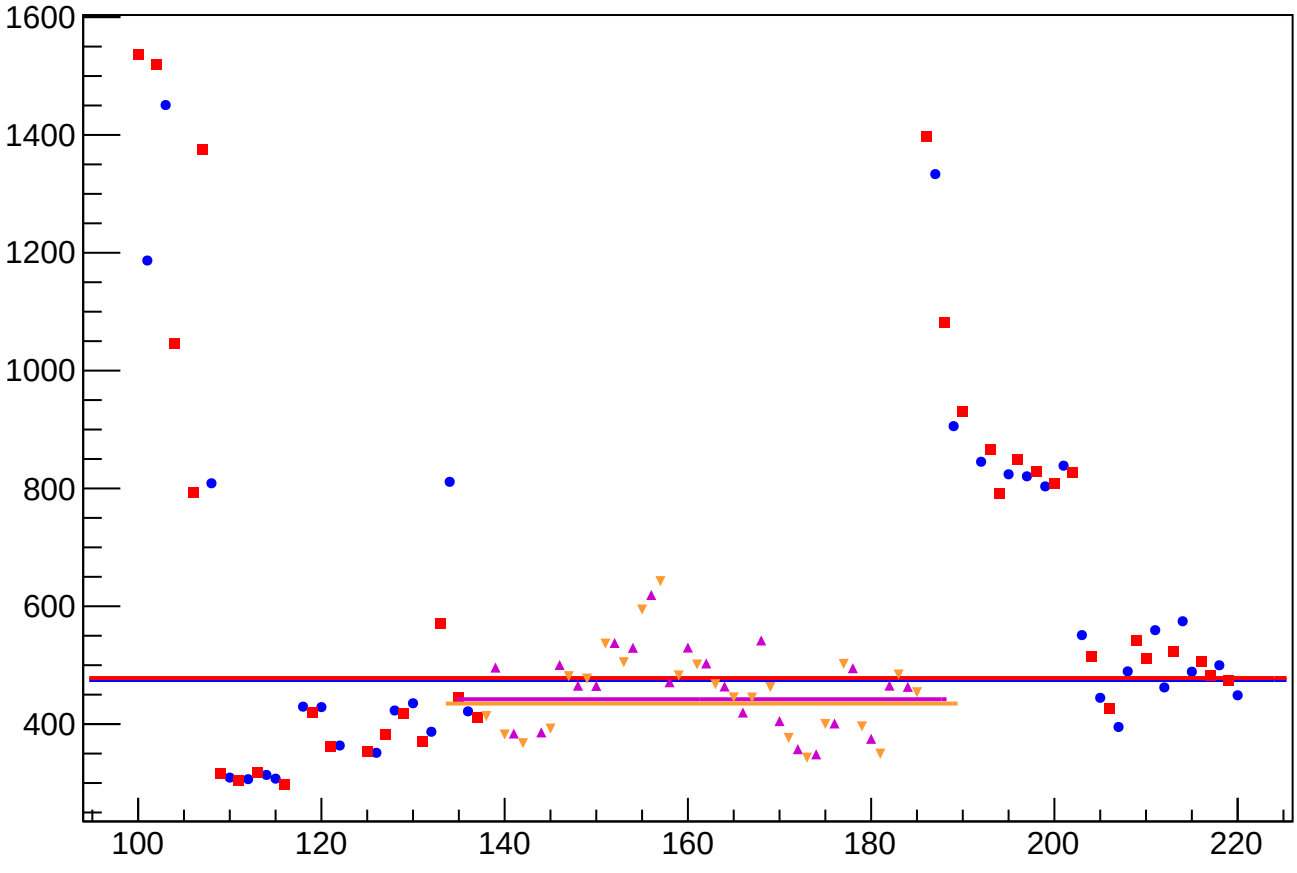
Right Out: -883.983+/-113.002 χ^2/NDF: 173.2/34

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -392.351+/-75.031 χ^2/NDF: 99.3/56

All: -400.072+/-53.674 χ^2/NDF: 337.3/114

- sign -408.165+/-76.814 χ^2/NDF: 238.0/57



Right In: 474.836+/-0.078 χ^2/NDF: 4391993.9/32

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 478.190+/-0.080 χ^2/NDF: 5427690.8/34

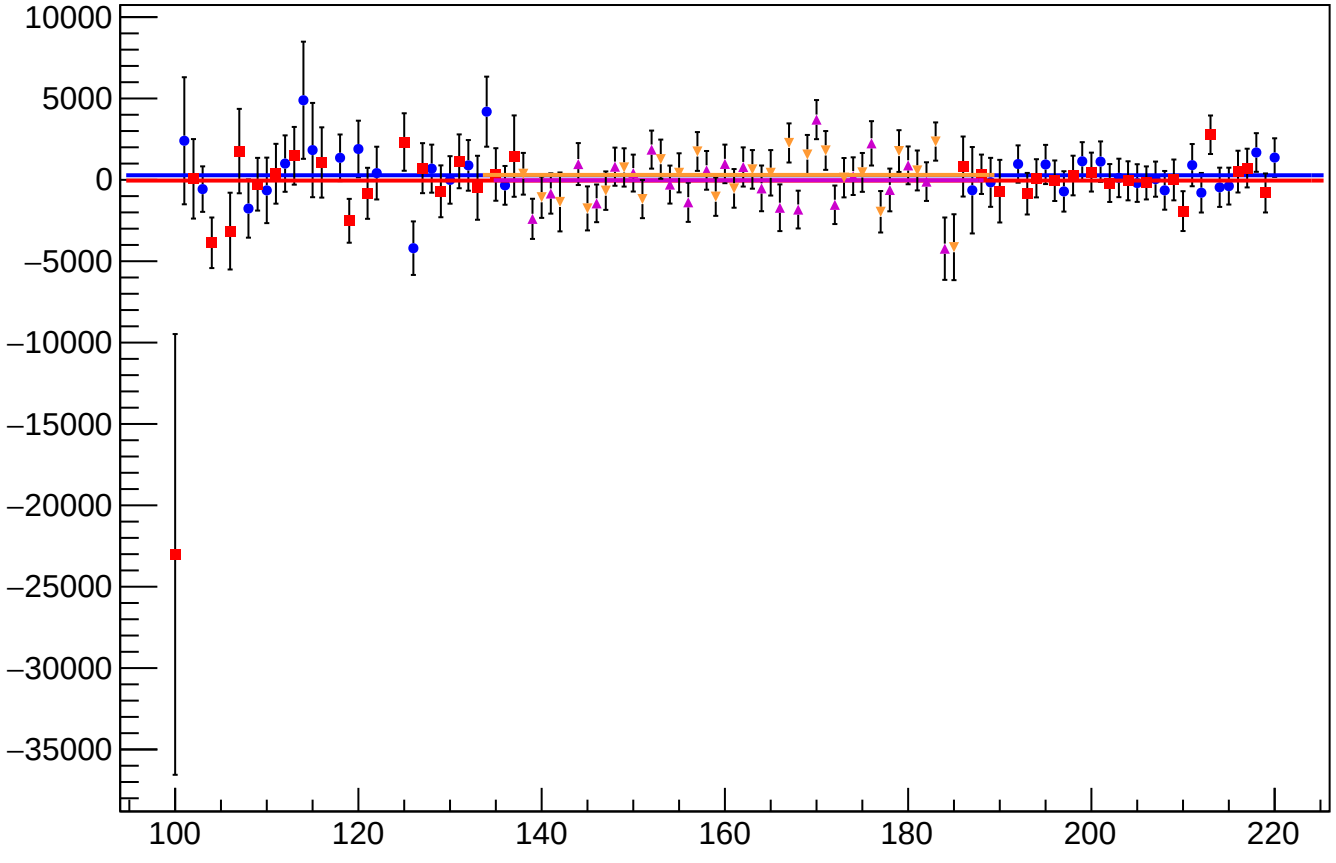
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 453.455+/-0.053 χ^2/NDF: 5411776.1/56

All: 456.082+/-0.038 χ^2/NDF: 11779400.7/11

- sign 458.835+/-0.054 χ^2/NDF: 6362603.8/57

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 281.986+/-244.443 χ^2/NDF: 24.3/32

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -43.543+/-246.760 χ^2/NDF: 29.2/34

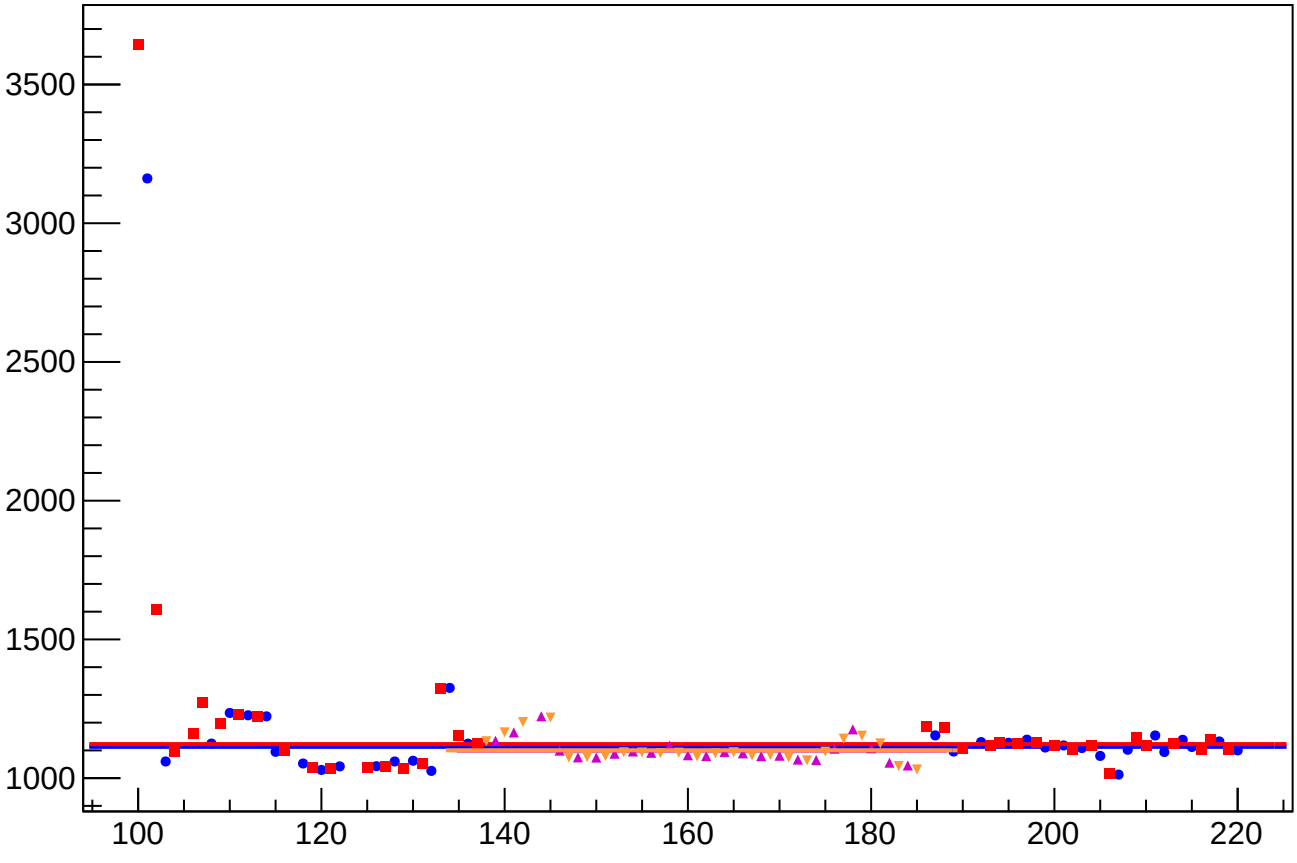
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 292.219+/-176.645 χ^2/NDF: 52.7/56

All: 129.916+/-125.366 χ^2/NDF: 119.5/114

- sign -34.796+/-177.951 χ^2/NDF: 65.1/57

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1112.776+/-0.173 χ^2/NDF: 643246.4/32

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

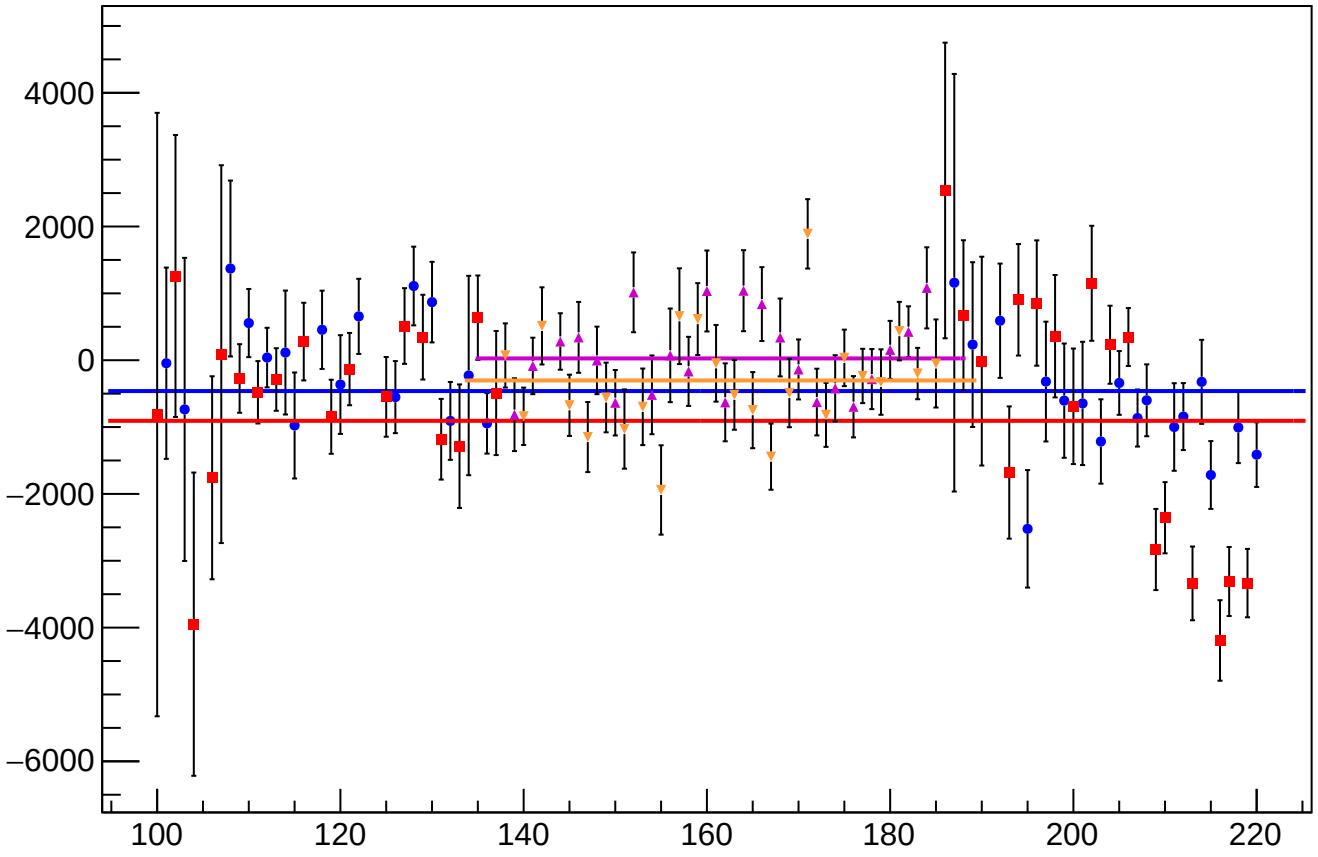
Right Out: 1122.781+/-0.174 χ^2/NDF: 260471.1/34

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

+ sign 1106.795+/-0.125 χ^2/NDF: 694526.4/56

All: 1109.146+/-0.089 χ^2/NDF: 1009157.8/11

- sign 1111.532+/-0.126 χ^2/NDF: 313917.7/57



Right In: -461.375+/-110.567 χ^2/NDF: 50.8/32

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -906.891+/-114.229 χ^2/NDF: 175.0/34

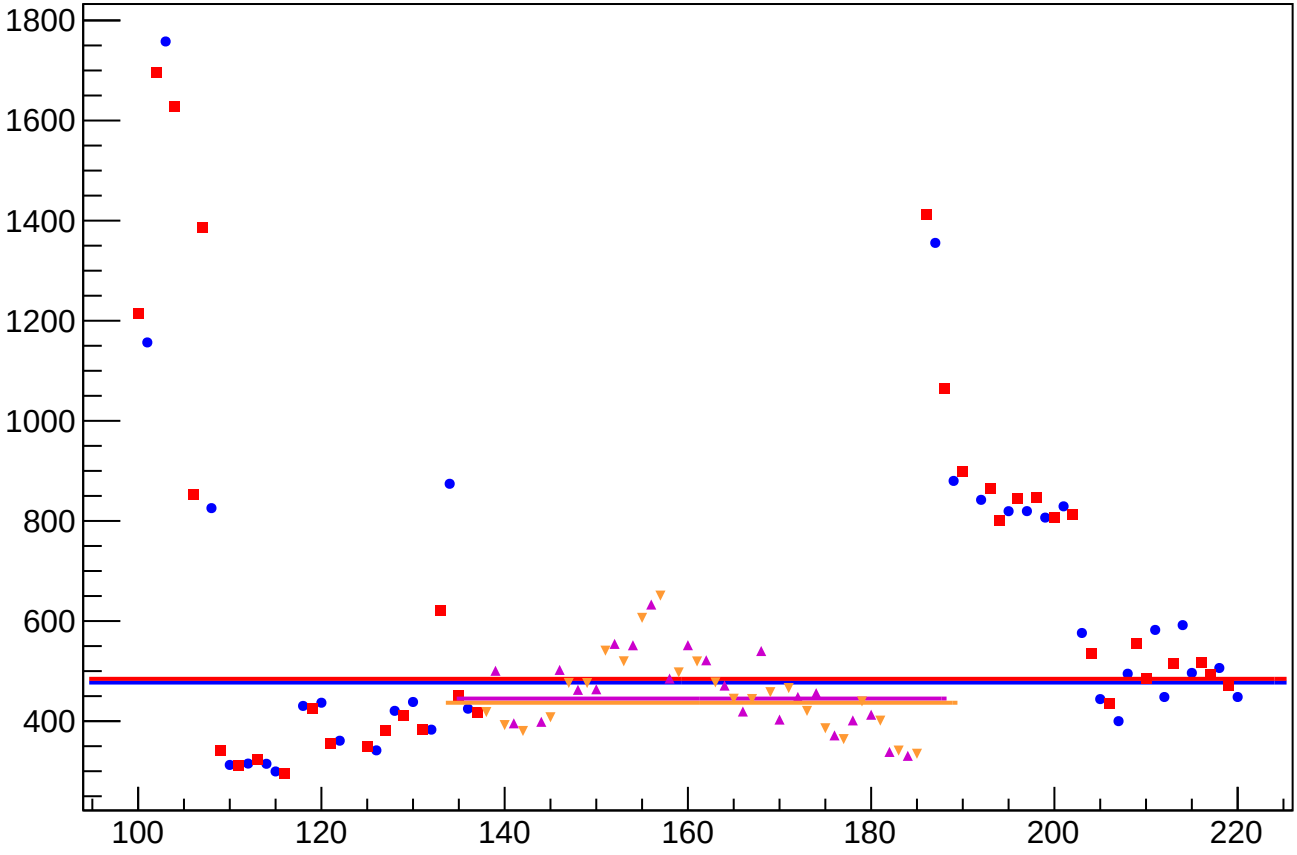
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

\+ sign -376.683+/-75.357 χ^2/NDF: 101.4/56

All: -389.330+/-54.017 χ^2/NDF: 340.4/114

\- sign -402.696+/-77.471 χ^2/NDF: 238.9/57

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 477.135+/-0.078 χ^2/NDF: 4530333.1/32

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 484.577+/-0.081 χ^2/NDF: 5742493.6/34

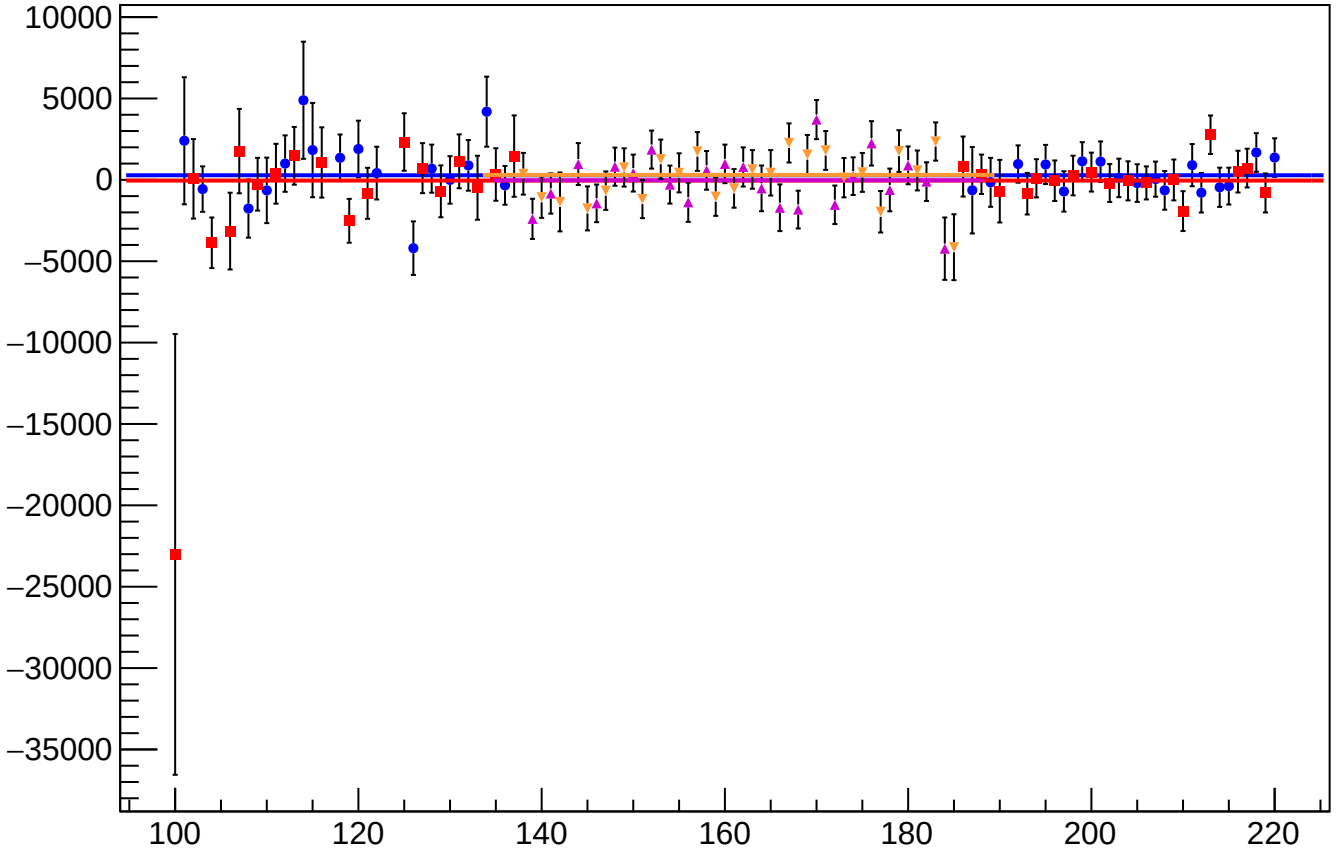
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 455.529+/-0.053 χ^2/NDF: 5528156.9/56

All: 459.289+/-0.038 χ^2/NDF: 12284369.9/11

- sign 463.263+/-0.055 χ^2/NDF: 6745972.2/57

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 281.984+/-244.443 χ^2/NDF: 24.3/32

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -43.541+/-246.760 χ^2/NDF: 29.2/34

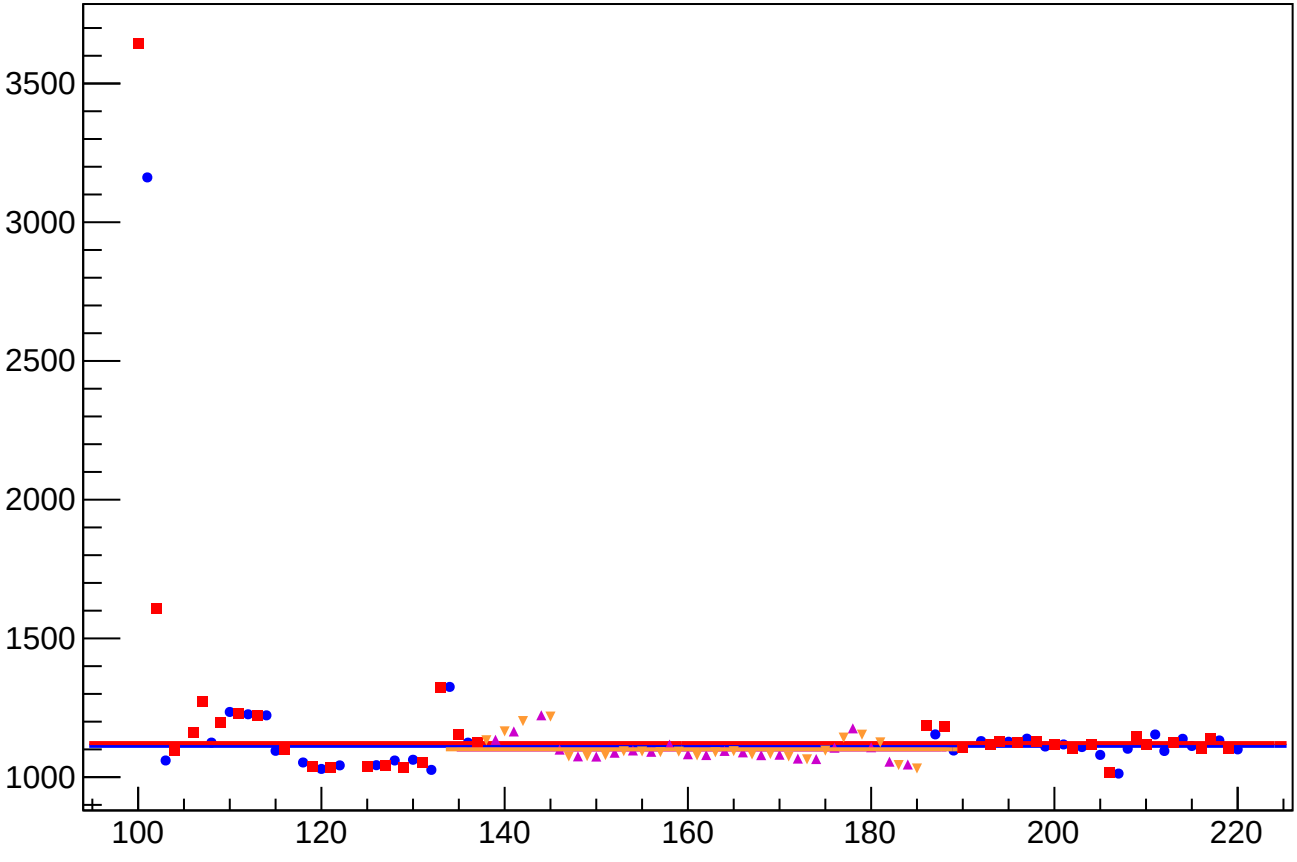
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 292.217+/-176.645 χ^2/NDF: 52.7/56

All: 129.915+/-125.366 χ^2/NDF: 119.5/114

- sign -34.796+/-177.951 χ^2/NDF: 65.1/57

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1112.776+/-0.173 χ^2/NDF: 643246.4/32

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

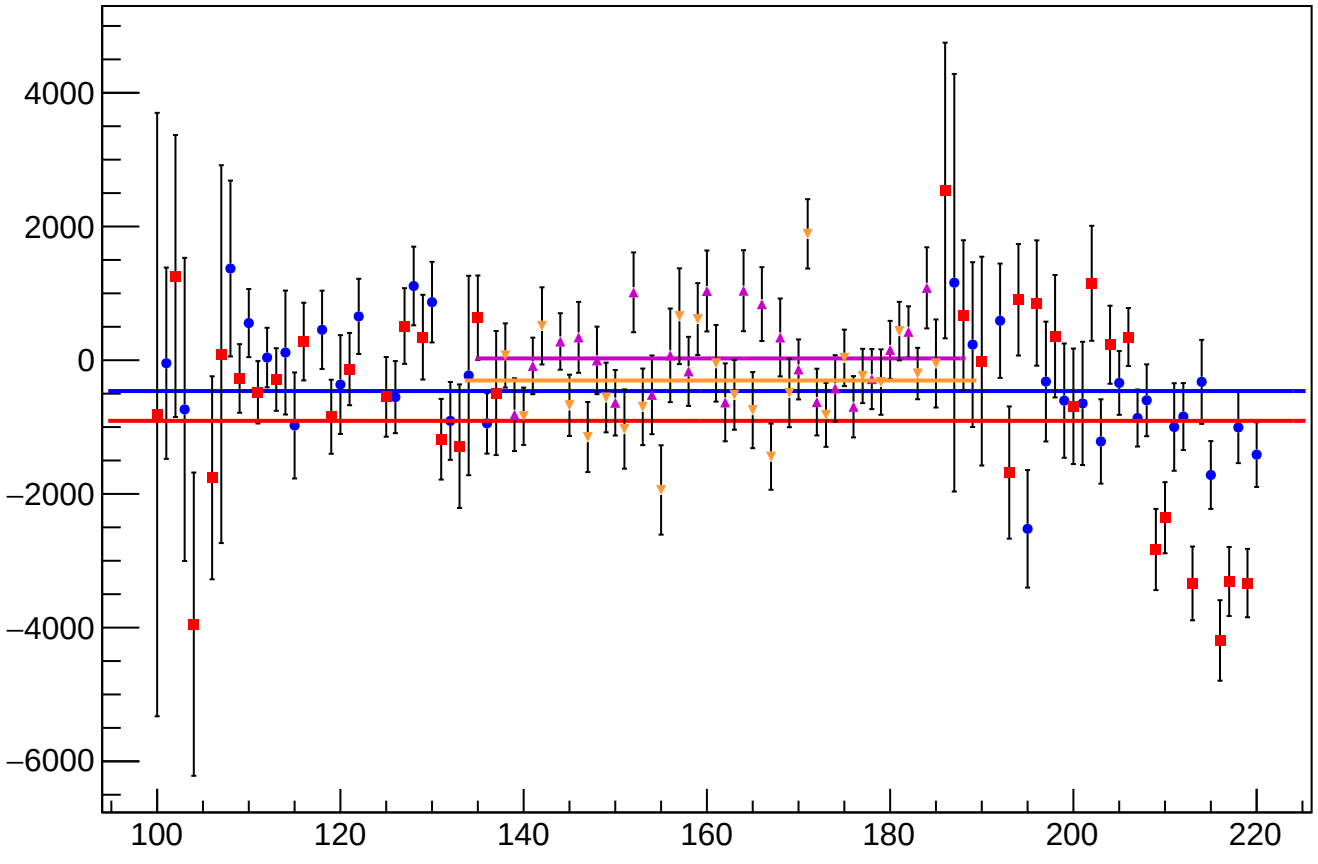
Right Out: 1122.781+/-0.174 χ^2/NDF: 260471.2/34

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1106.795+/-0.125 χ^2/NDF: 694526.6/56

All: 1109.146+/-0.089 χ^2/NDF: 1009158.2/11

- sign 1111.532+/-0.126 χ^2/NDF: 313917.9/57



Right In: -461.379+/-110.567 χ^2/NDF: 50.8/32

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

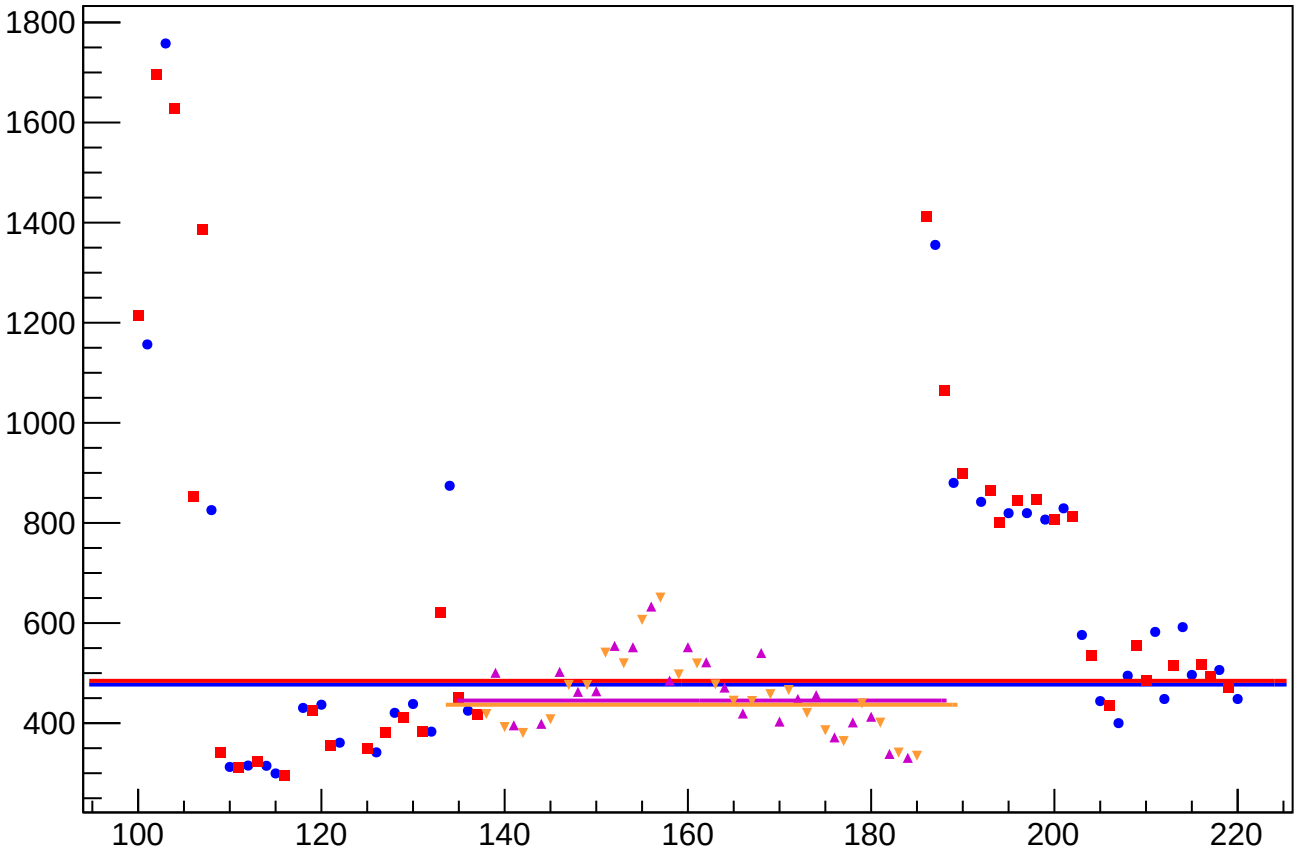
Right Out: -906.878+/-114.228 χ^2/NDF: 175.0/34

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

\+ sign -376.686+/-75.357 χ^2/NDF: 101.4/56

All: -389.329+/-54.017 χ^2/NDF: 340.4/114

\- sign -402.692+/-77.470 χ^2/NDF: 238.9/57



Right In: 477.133+/-0.078 χ^2/NDF: 4530368.6/32

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 484.575+/-0.081 χ^2/NDF: 5742564.4/34

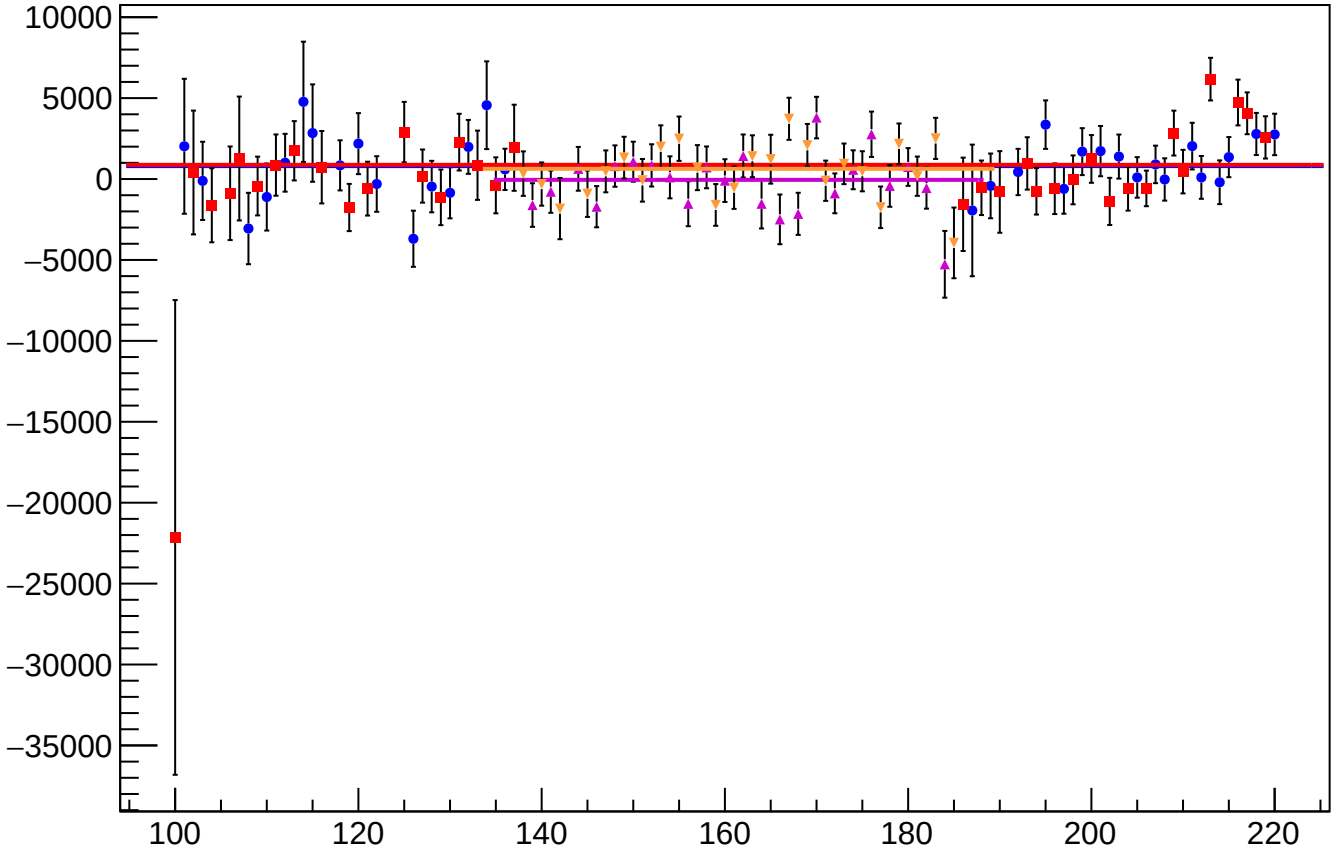
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 455.528+/-0.053 χ^2/NDF: 5528208.9/56

All: 459.288+/-0.038 χ^2/NDF: 12284514.8/11

- sign 463.261+/-0.055 χ^2/NDF: 6746065.2/57

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 798.530+/-277.849 χ^2/NDF: 30.3/32

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: 877.268+/-284.345 χ^2/NDF: 56.2/34

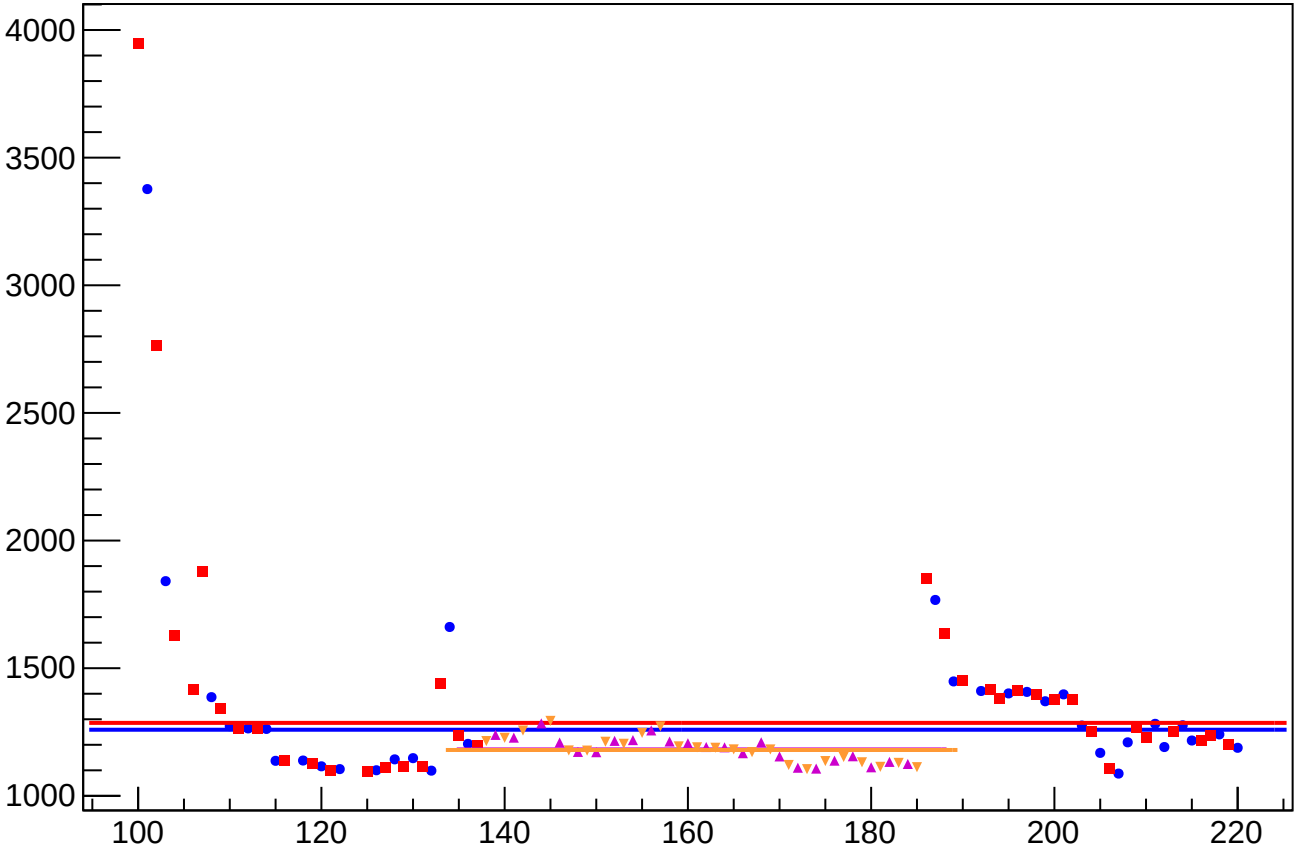
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

\+ sign 714.565+/-195.116 χ^2/NDF: 60.6/56

All: 559.568+/-139.019 χ^2/NDF: 158.6/114

\- sign 399.755+/-198.124 χ^2/NDF: 96.7/57

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1258.983+/-0.196 χ^2/NDF: 994280.5/32

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

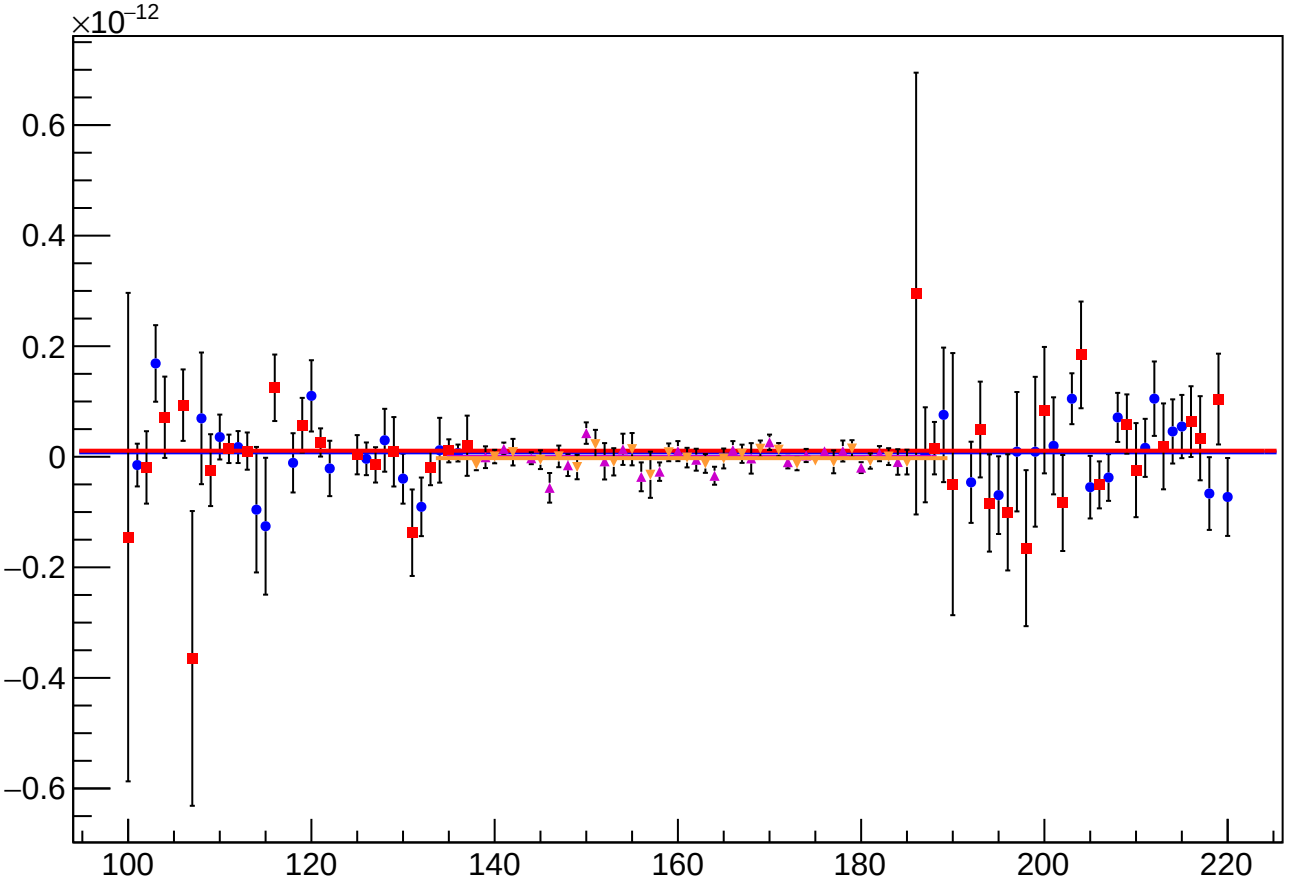
Right Out: 1285.805+/-0.201 χ^2/NDF: 927740.8/34

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1218.804+/-0.138 χ^2/NDF: 1141460.3/56

All: 1225.478+/-0.098 χ^2/NDF: 2271638.6/11

\- sign 1232.360+/-0.140 χ^2/NDF: 1125424.8/57



Right In: 0.000+/-0.000 χ^2/NDF: 33.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

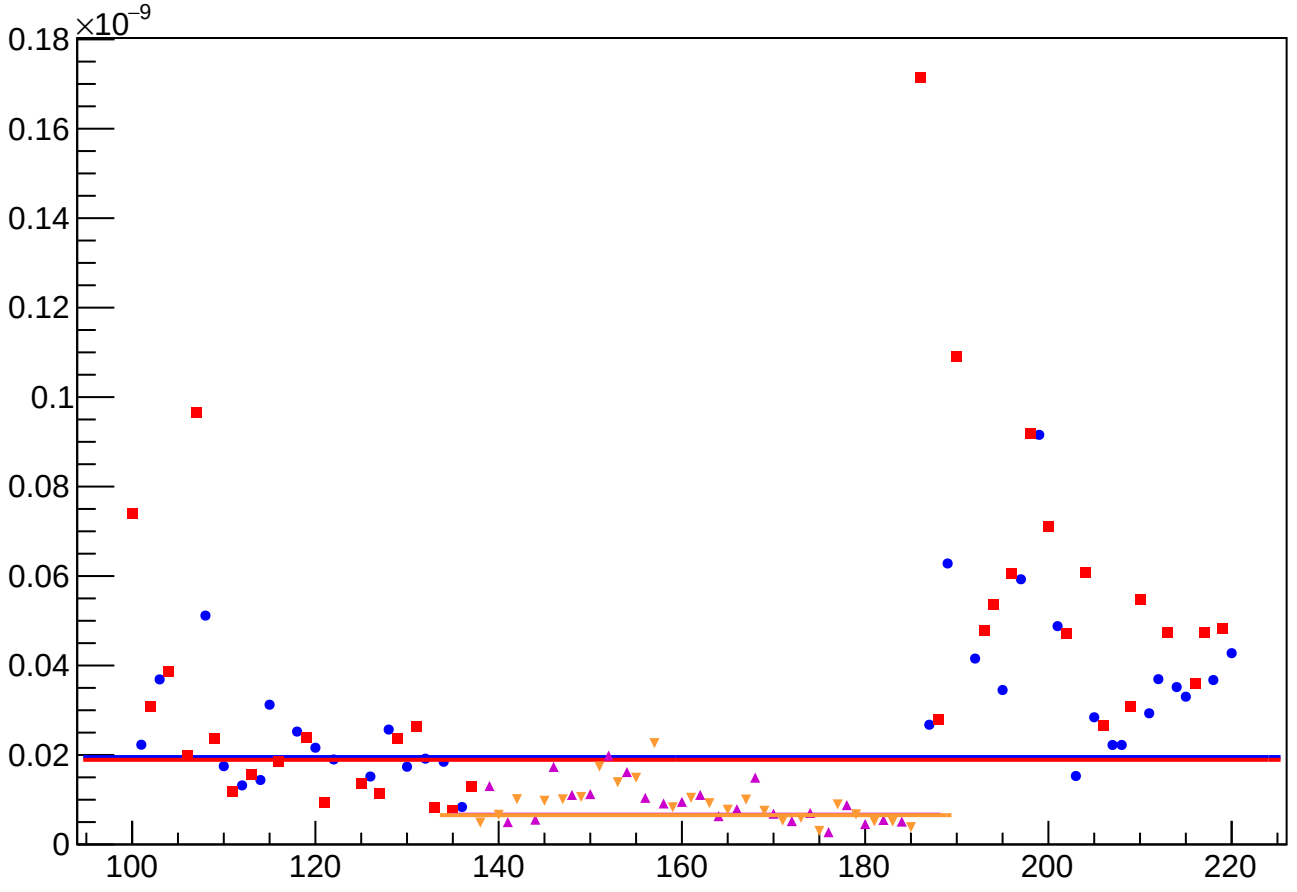
Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/34

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.1/56

All: -0.000+/-0.000 χ^2/NDF: 109.2/114

- sign 0.000+/-0.000 χ^2/NDF: 63.7/57



Right In: 0.000+/-0.000 χ^2/NDF: 4051115.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

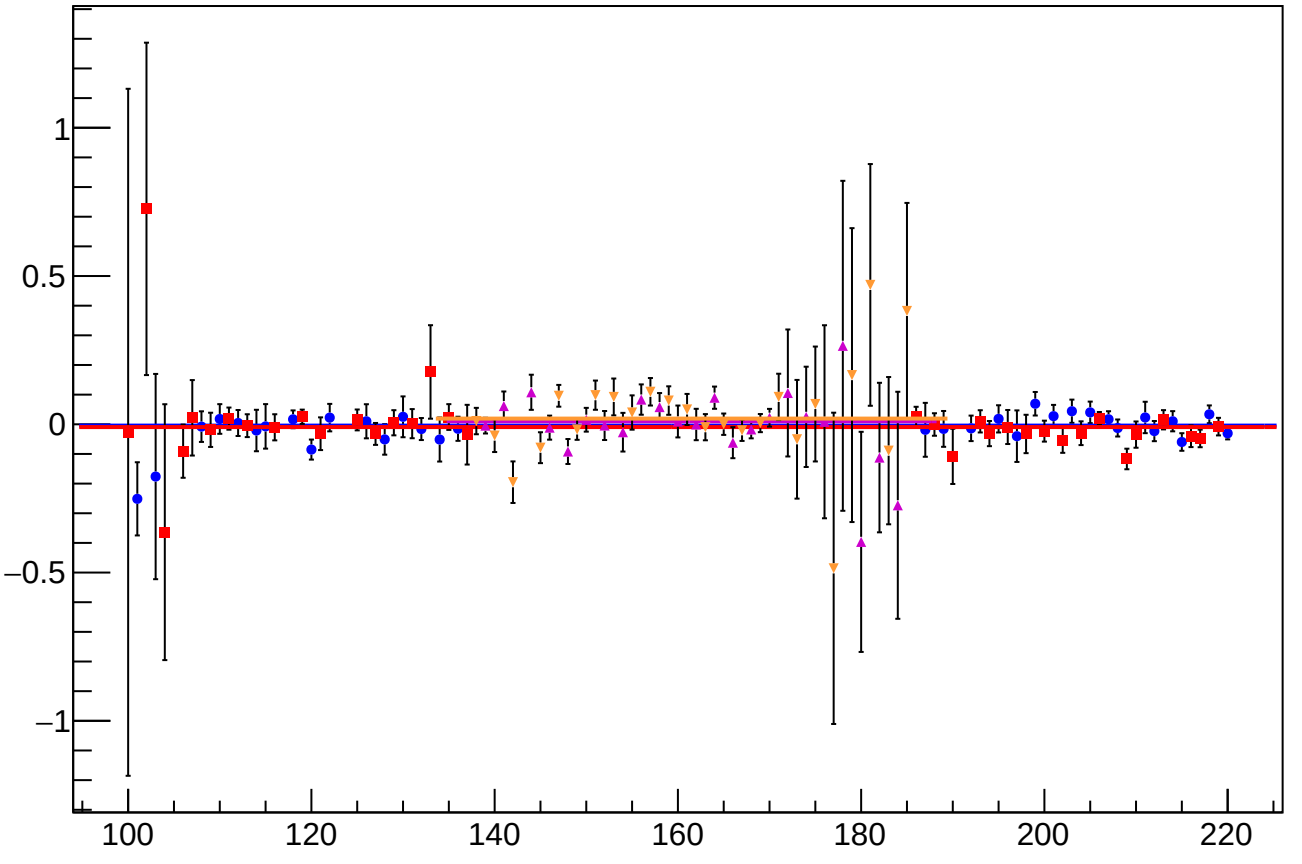
Right Out: 0.000+/-0.000 χ^2/NDF: 6454057.7/34

Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10853405.4/56

All: 0.000+/-0.000 χ^2/NDF: 23659170.0/114

- sign 0.000+/-0.000 χ^2/NDF: 12805761.3/57



Right In: -0.004+/-0.007 χ^2/NDF: 28.6/32

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/34

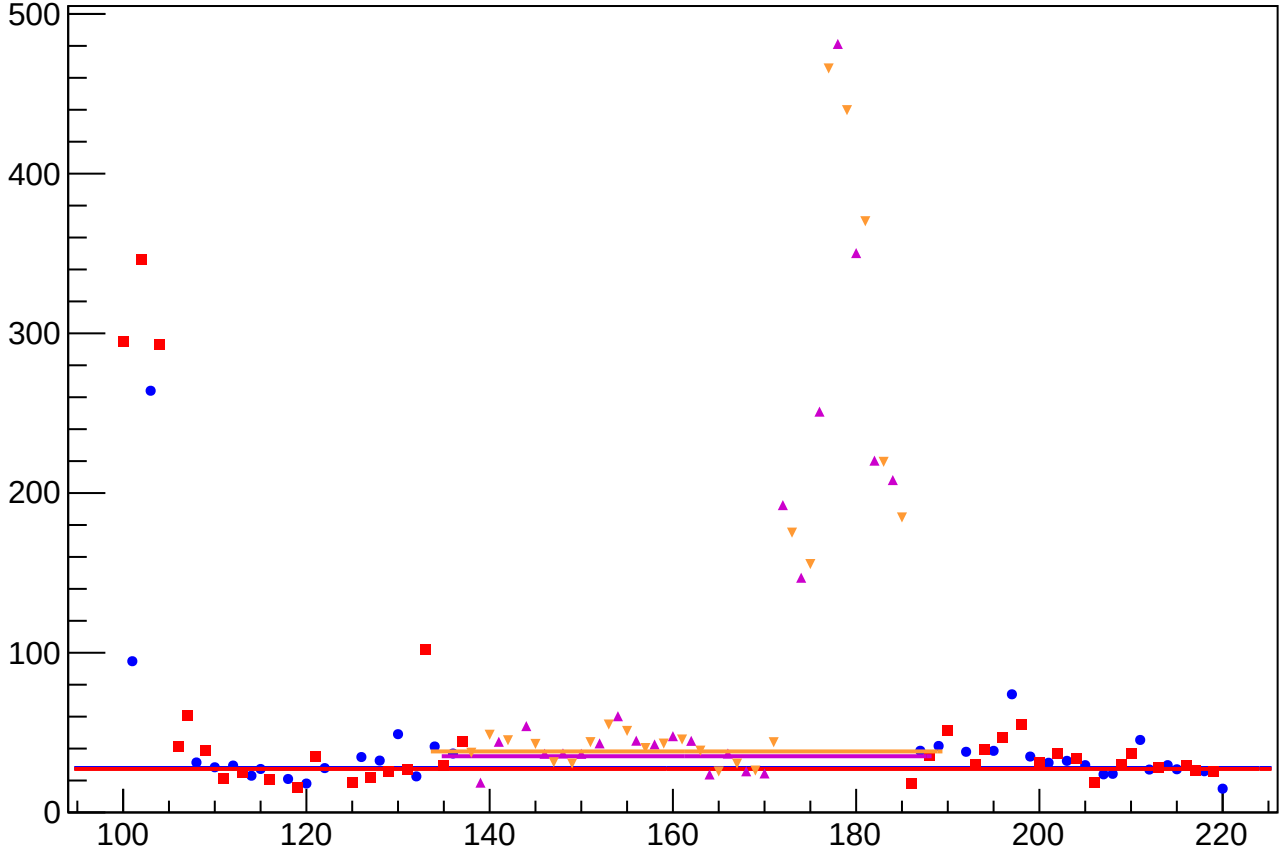
Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.006 χ^2/NDF: 67.9/56

All: -0.000+/-0.004 χ^2/NDF: 123.1/114

- sign -0.003+/-0.006 χ^2/NDF: 54.6/57

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 27.828+/-0.005 χ^2/NDF: 4389615.4/32

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

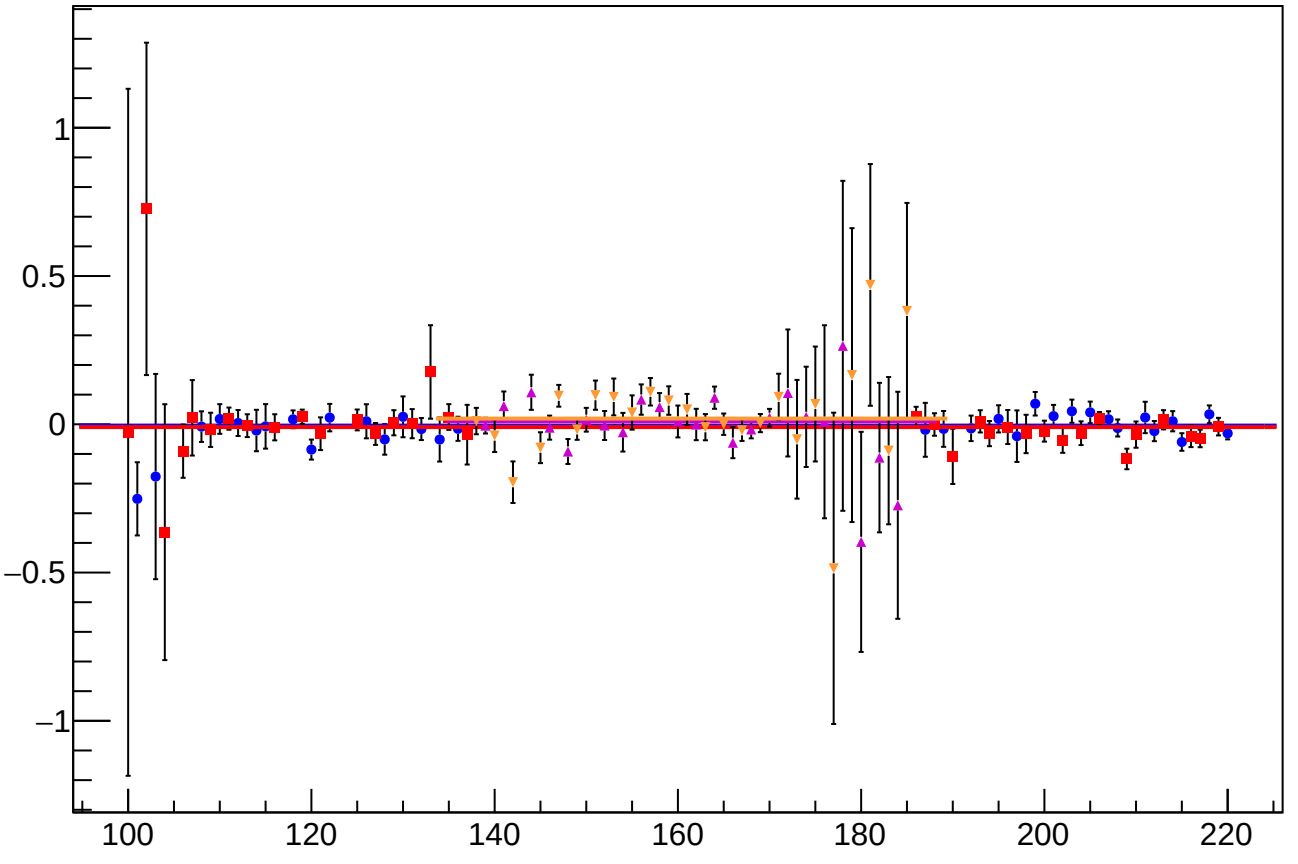
Right Out: 27.243+/-0.005 χ^2/NDF: 4837265.9/34

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 30.921+/-0.004 χ^2/NDF: 13970632.4/56

All: 30.320+/-0.003 χ^2/NDF: 29061949.7/114

- sign 29.748+/-0.004 χ^2/NDF: 15050785.0/57



Right In: -0.004+/-0.007 χ^2/NDF: 28.6/32

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

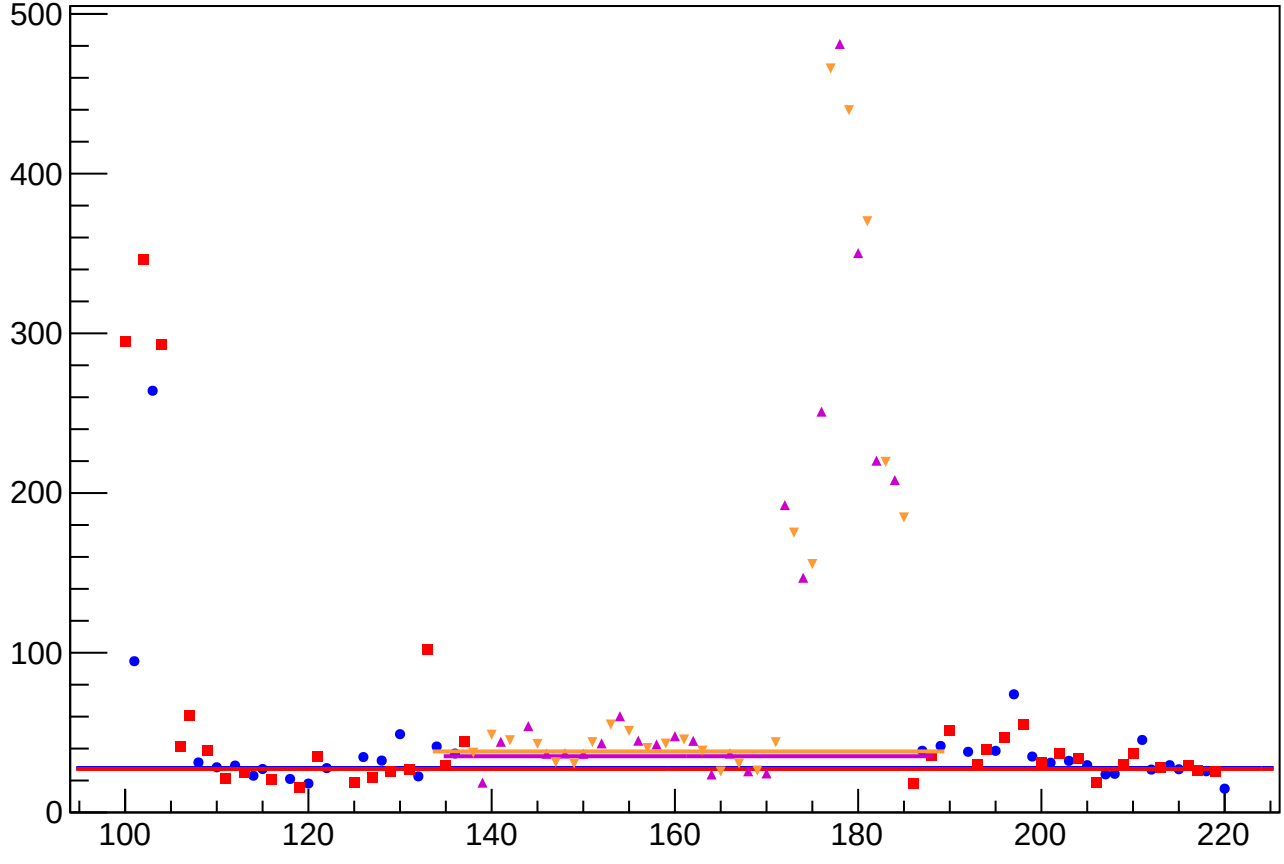
Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.006 χ^2/NDF: 67.9/56

All: -0.000+/-0.004 χ^2/NDF: 123.1/114

- sign -0.003+/-0.006 χ^2/NDF: 54.6/57



Right In: 27.828+/-0.005 χ^2/NDF: 4389615.4/32

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

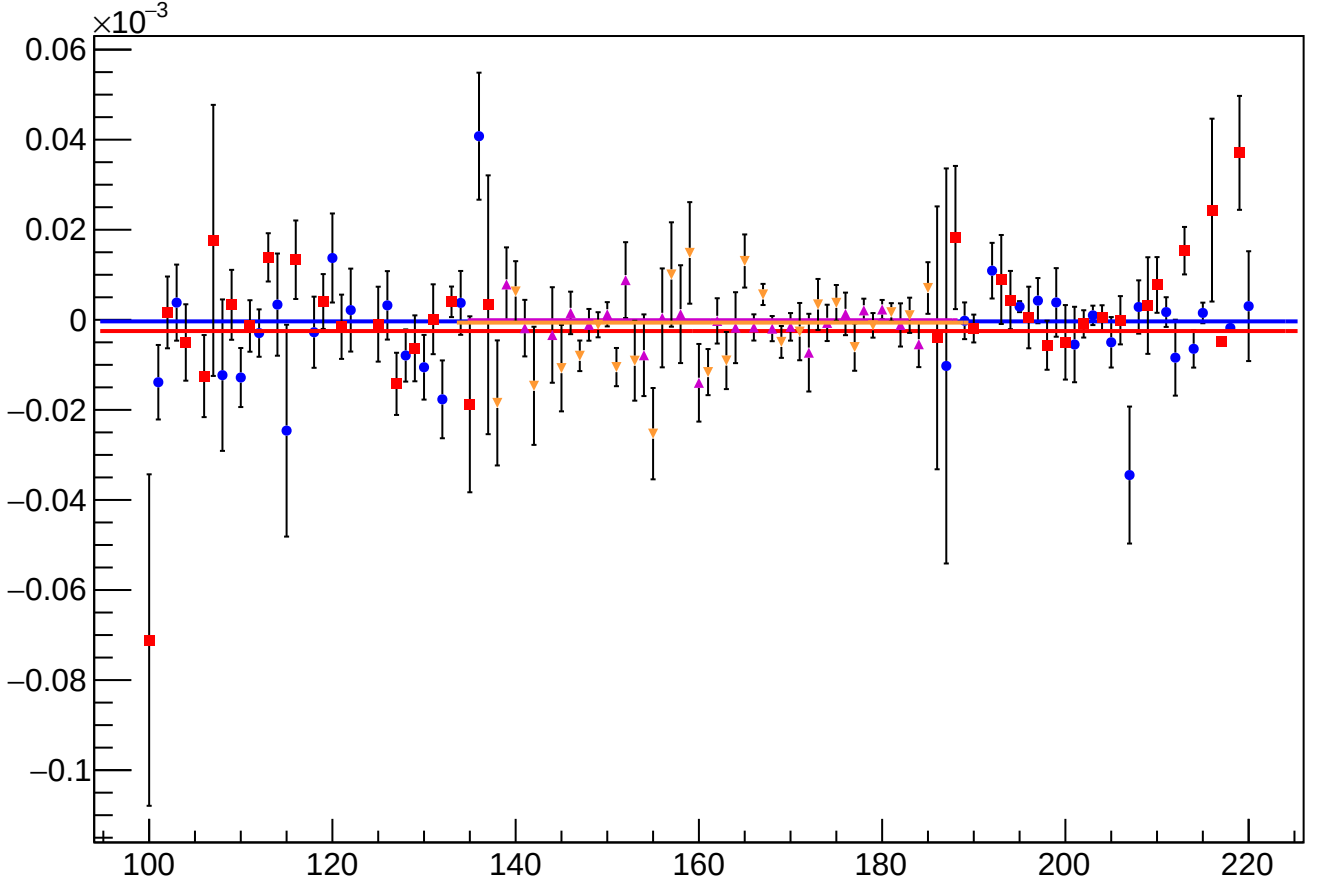
Right Out: 27.243+/-0.005 χ^2/NDF: 4837265.9/34

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 30.921+/-0.004 χ^2/NDF: 13970632.4/56

All: 30.320+/-0.003 χ^2/NDF: 29061949.7/114

- sign 29.748+/-0.004 χ^2/NDF: 15050785.0/57



Right In: -0.000+/-0.000 χ^2/NDF: 53.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

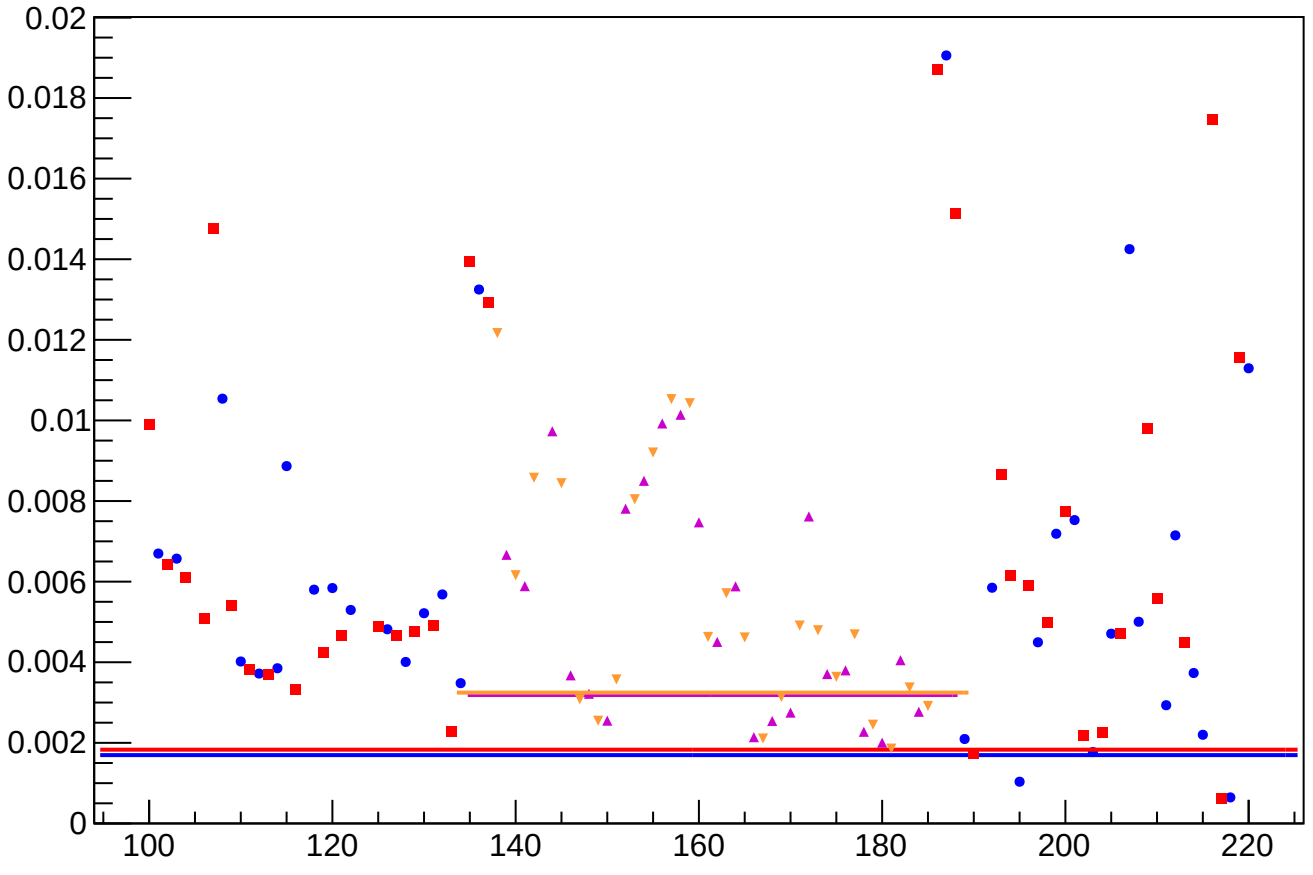
Right Out: -0.000+/-0.000 χ^2/NDF: 67.8/34

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 104.4/56

All: -0.000+/-0.000 χ^2/NDF: 191.4/114

- sign -0.000+/-0.000 χ^2/NDF: 83.9/57



Right In: 0.002+/-0.000 χ^2/NDF: 20158679.5/32

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

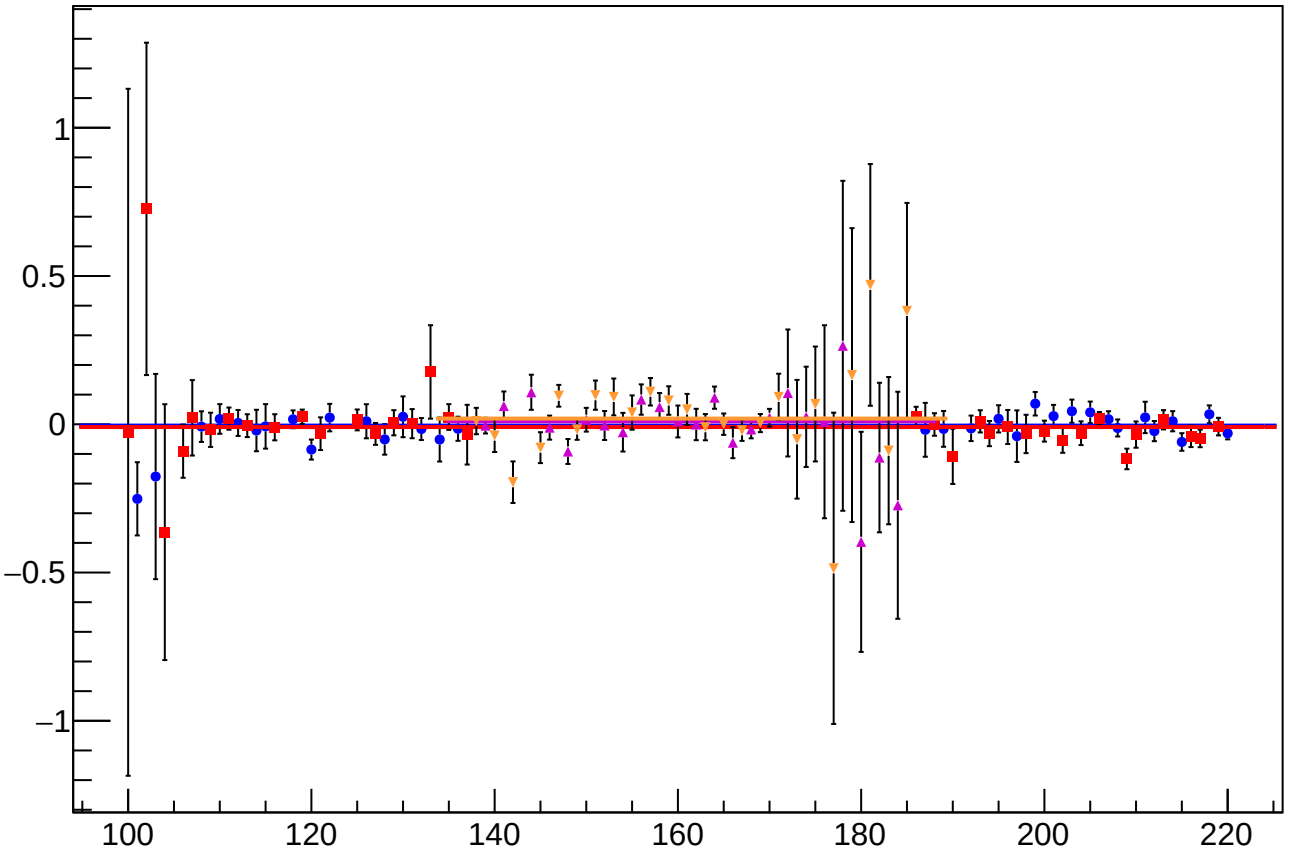
Right Out: 0.002+/-0.000 χ^2/NDF: 22024400.5/34

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 32415321.7/56

All: 0.002+/-0.000 χ^2/NDF: 65059594.0/114

- sign 0.002+/-0.000 χ^2/NDF: 32544586.6/57



Right In: -0.004+/-0.007 χ^2/NDF: 28.6/32

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

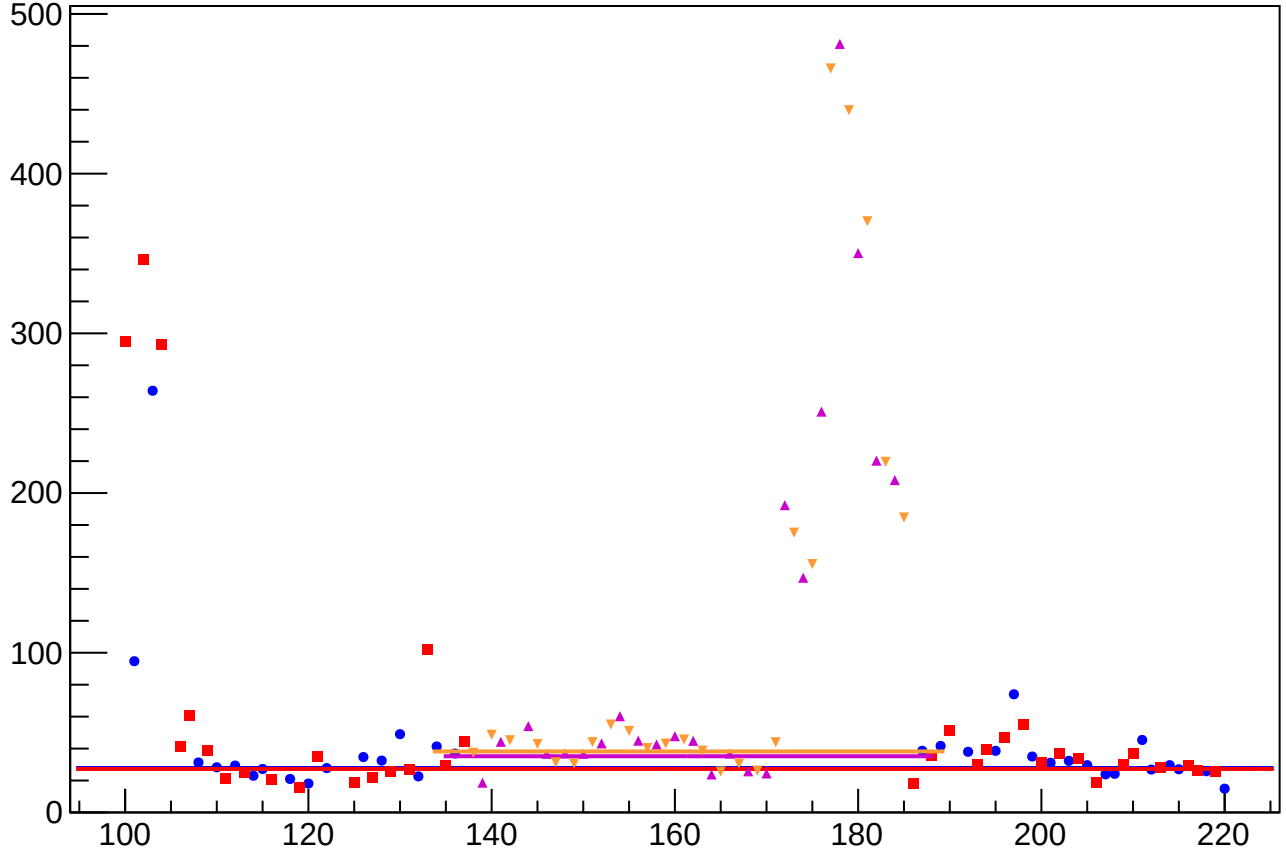
Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.006 χ^2/NDF: 67.9/56

All: -0.000+/-0.004 χ^2/NDF: 123.0/114

- sign -0.003+/-0.006 χ^2/NDF: 54.6/57



Right In: 27.828+/-0.005 χ^2/NDF: 4389200.5/32

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

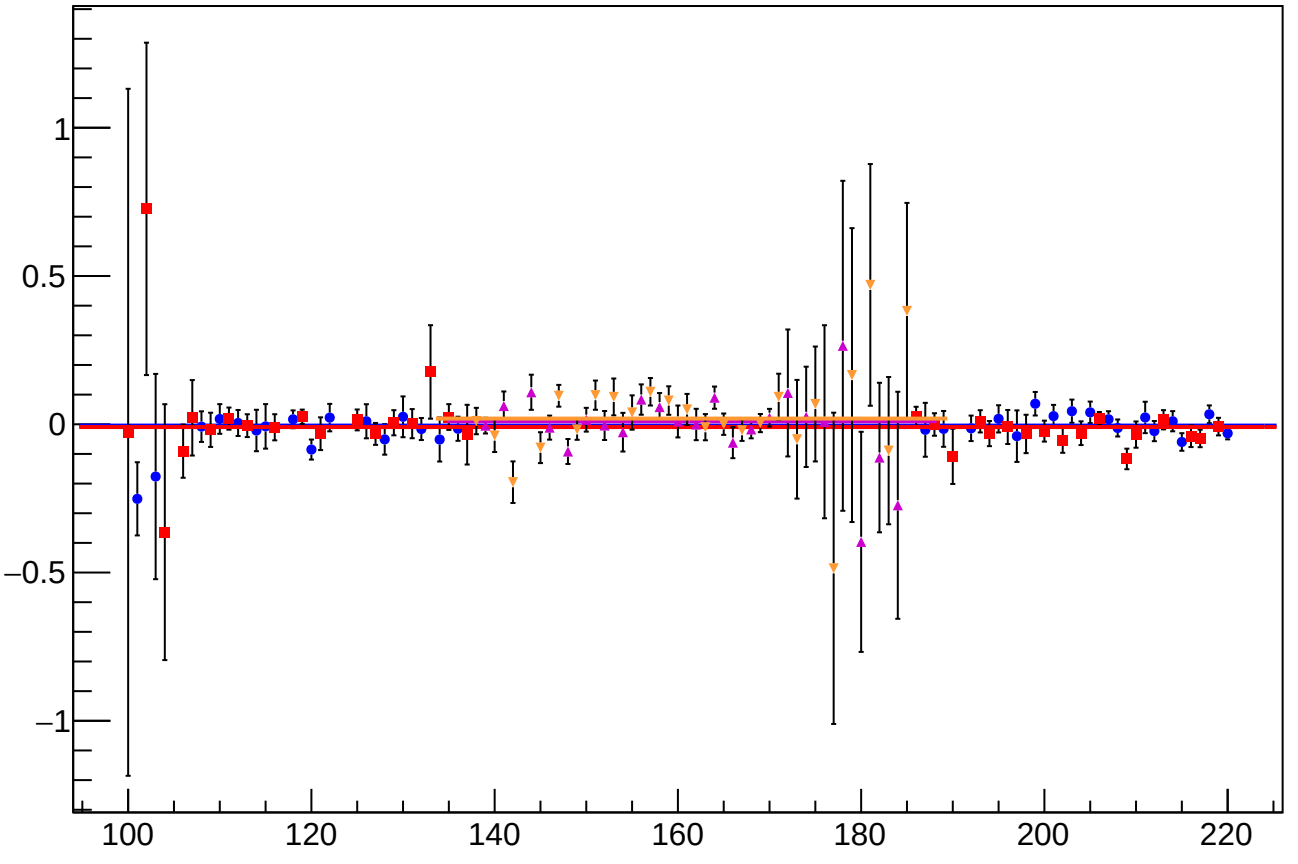
Right Out: 27.242+/-0.005 χ^2/NDF: 4837496.5/34

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 30.921+/-0.004 χ^2/NDF: 13970260.8/56

All: 30.320+/-0.003 χ^2/NDF: 29062541.9/114

- sign 29.747+/-0.004 χ^2/NDF: 15051669.1/57



Right In: -0.004+/-0.007 χ^2/NDF: 28.6/32

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

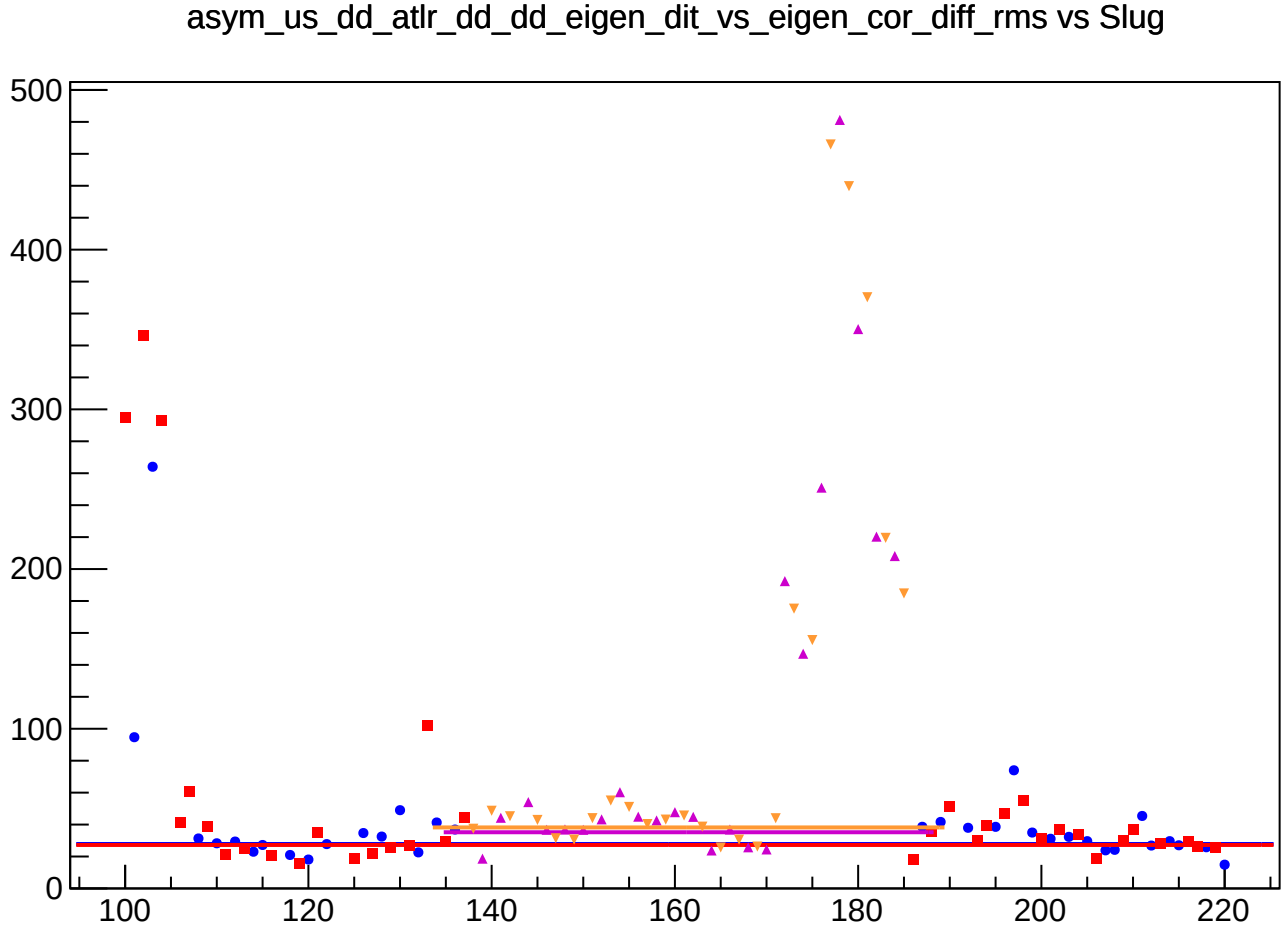
Right Out: -0.009+/-0.007 χ^2/NDF: 28.5/34

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.003+/-0.006 χ^2/NDF: 67.9/56

All: -0.000+/-0.004 χ^2/NDF: 123.0/114

- sign -0.003+/-0.006 χ^2/NDF: 54.6/57



Right In: 27.828+/-0.005 χ^2/NDF: 4389200.5/32

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

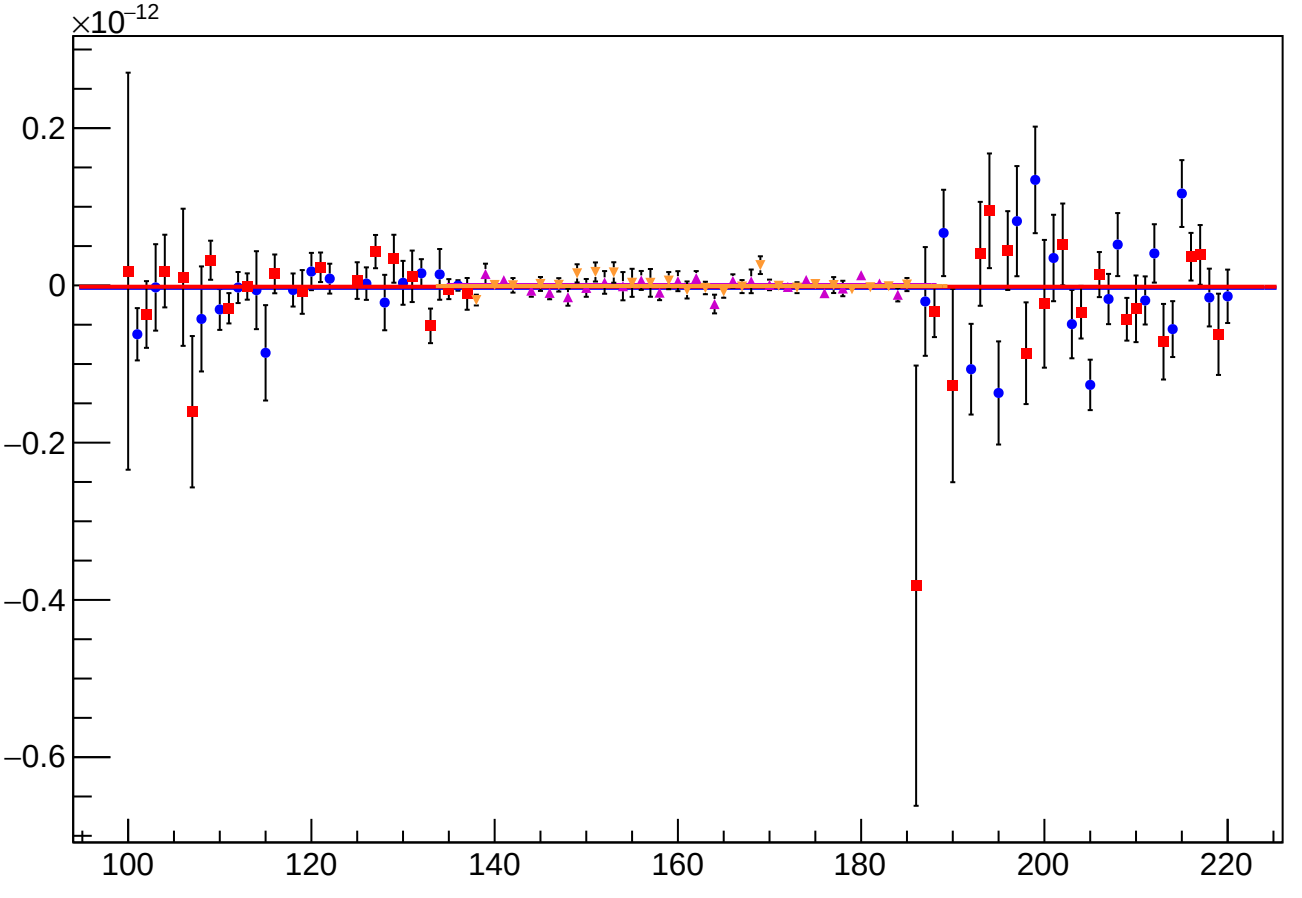
Right Out: 27.242+/-0.005 χ^2/NDF: 4837496.5/34

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 30.921+/-0.004 χ^2/NDF: 13970260.8/56

All: 30.320+/-0.003 χ^2/NDF: 29062541.9/114

- sign 29.747+/-0.004 χ^2/NDF: 15051669.1/57



Right In: -0.000+/-0.000 χ^2/NDF: 54.7/32

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

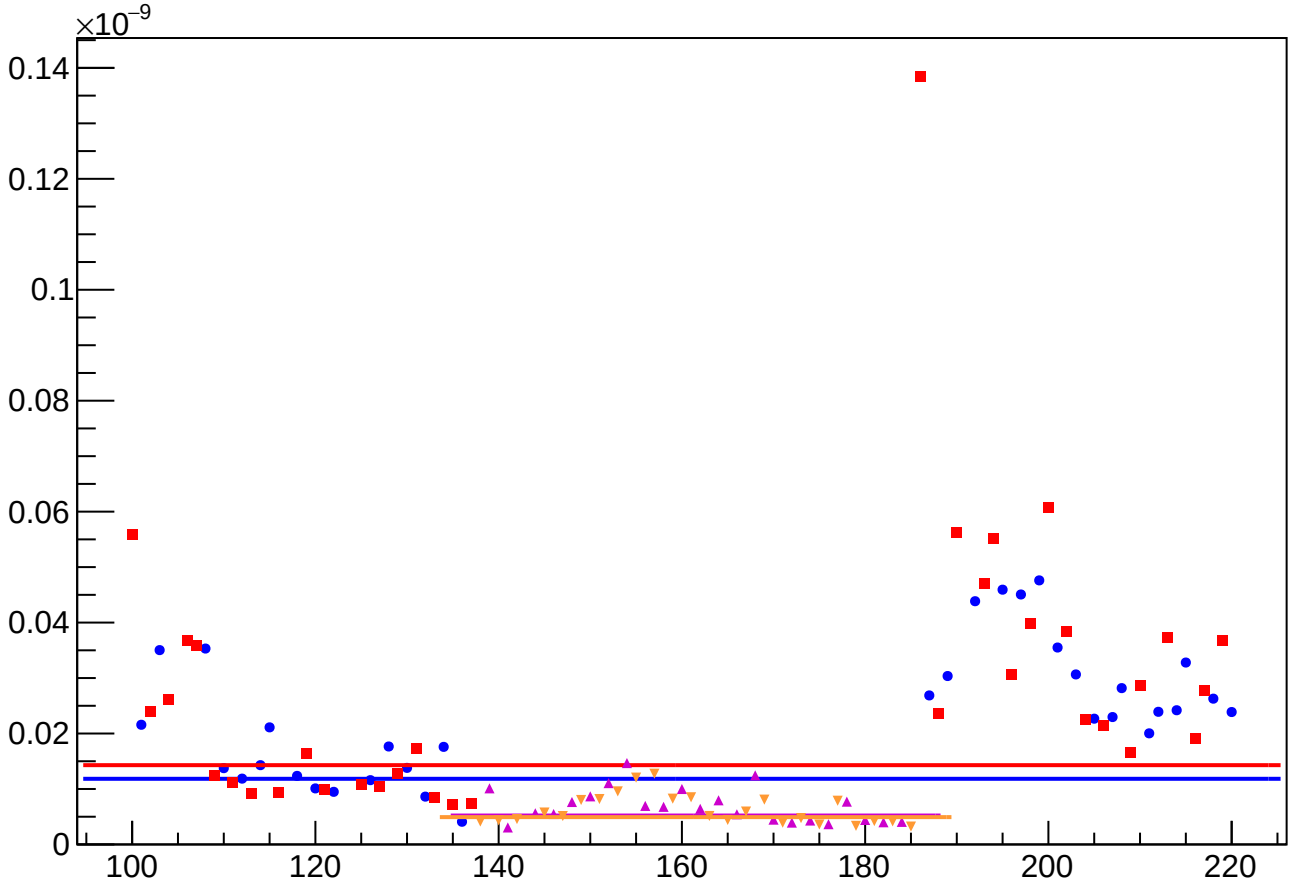
Right Out: -0.000+/-0.000 χ^2/NDF: 41.0/34

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.1/56

All: -0.000+/-0.000 χ^2/NDF: 144.0/114

- sign 0.000+/-0.000 χ^2/NDF: 67.5/57



Right In: 0.000+/-0.000 χ^2/NDF: 9429116.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7239966.1/34

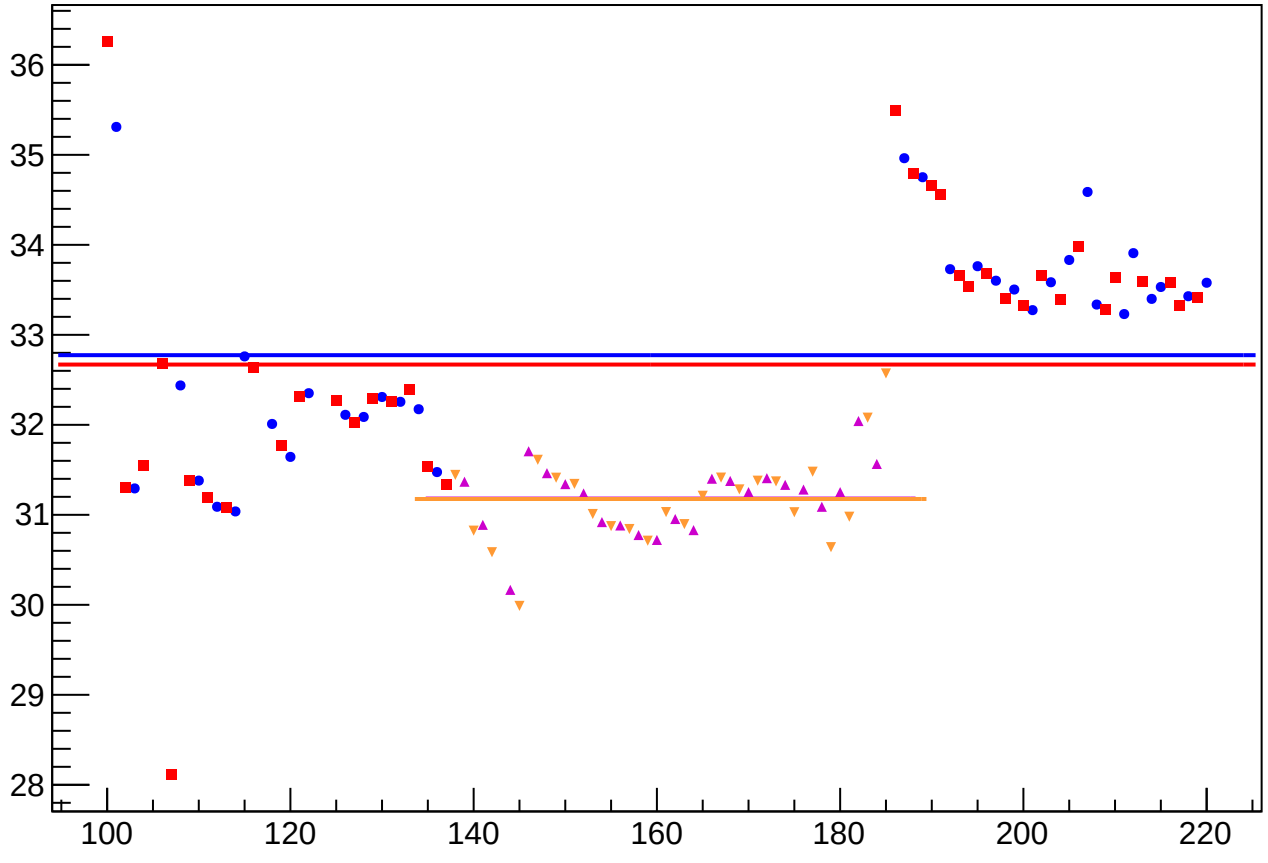
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16567086.3/56

All: 0.000+/-0.000 χ^2/NDF: 3390070.4/114

- sign 0.000+/-0.000 χ^2/NDF: 16758746.5/57

yield_usl_mean vs Slug



Right In: 32.774+/-0.000 χ^2/NDF: 2640698320.5/32

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.670+/-0.000 χ^2/NDF: 2453165387.8/35

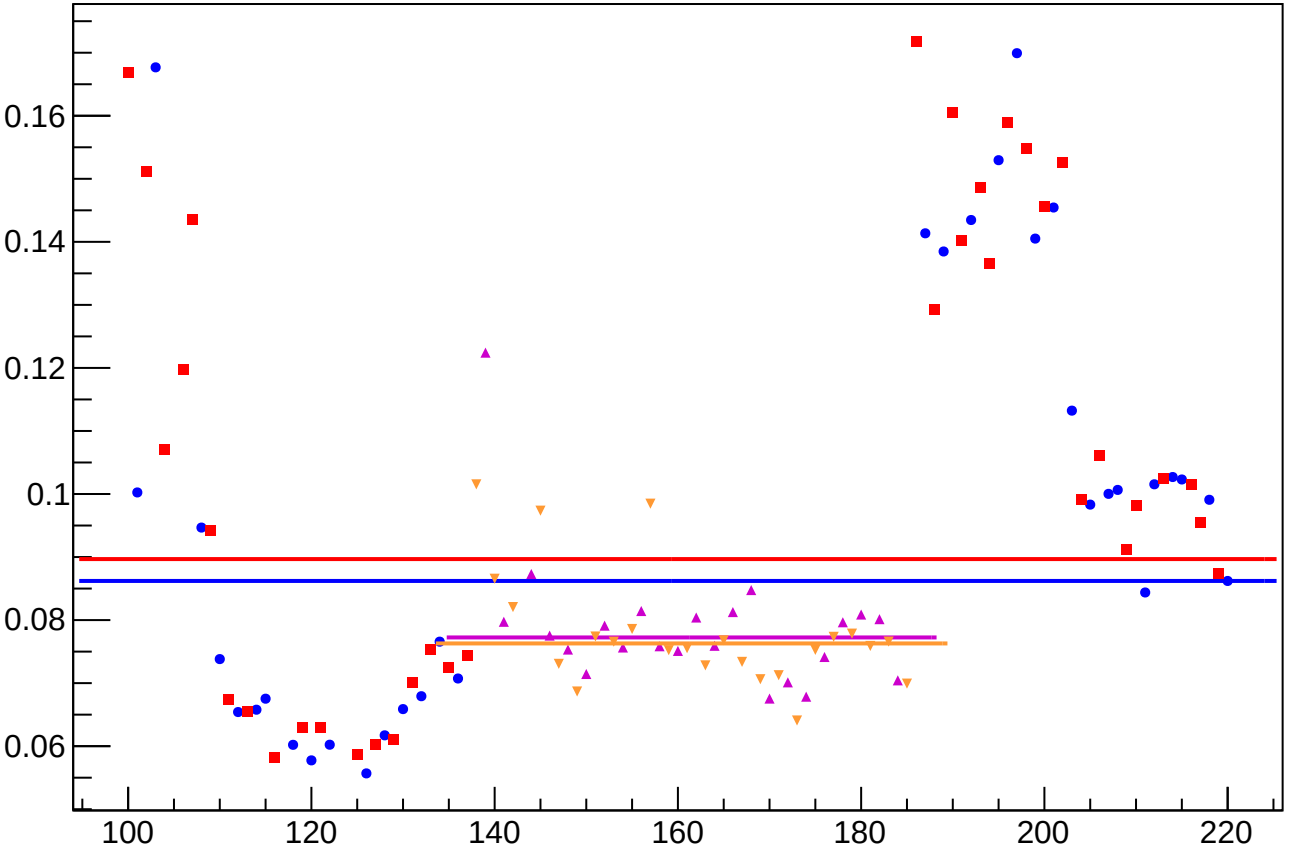
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.909+/-0.000 χ^2/NDF: 6541923471.7/56

All: 31.881+/-0.000 χ^2/NDF: 12144466737.2

- sign 31.851+/-0.000 χ^2/NDF: 5593924601.8/58

yield_usl_rms vs Slug



Right In: 0.086+/-0.000 χ^2/NDF: 3625857.7/32

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.090+/-0.000 χ^2/NDF: 4016731.2/35

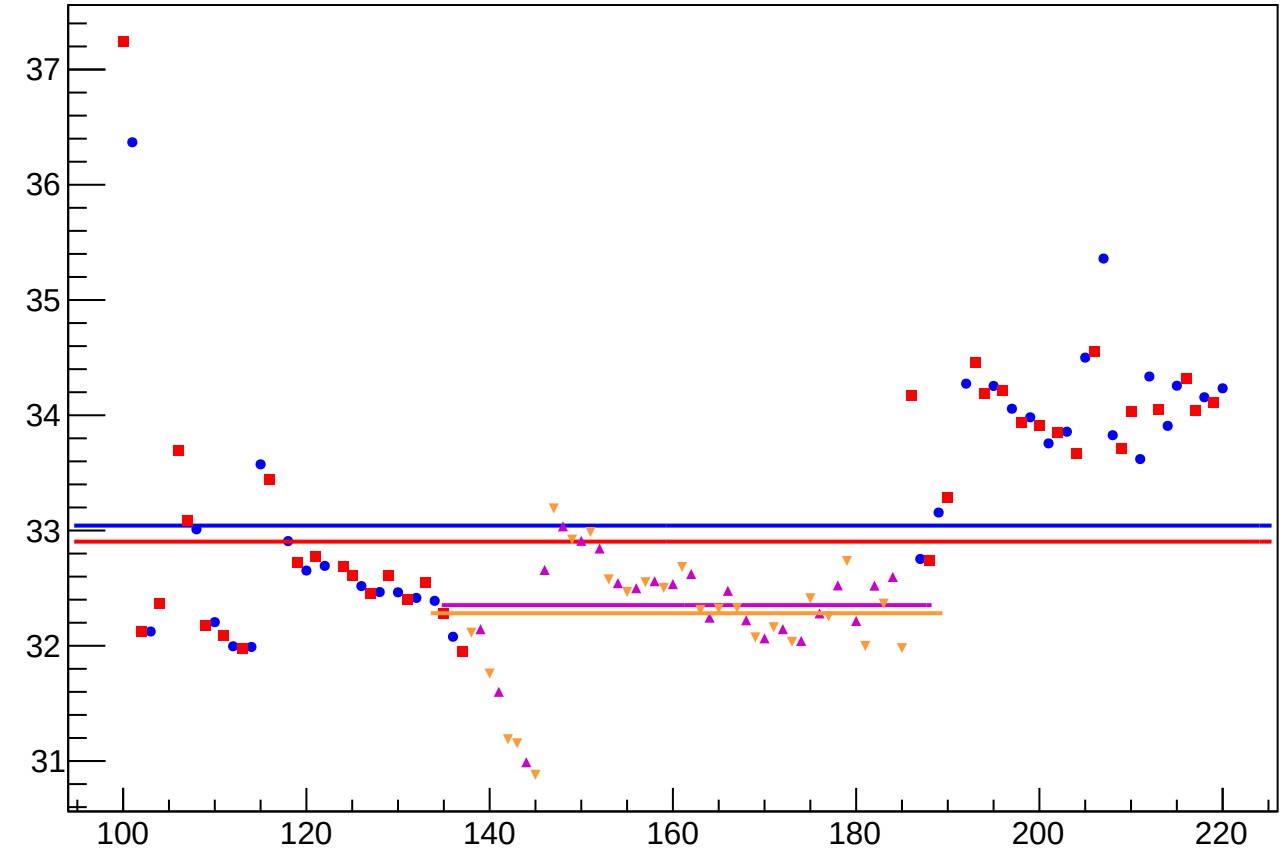
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.081+/-0.000 χ^2/NDF: 4242027.3/56

All: 0.082+/-0.000 χ^2/NDF: 9030198.9/115

- sign 0.083+/-0.000 χ^2/NDF: 4767463.2/58

yield_usr_mean vs Slug



Right In: 33.043+/-0.000 χ^2/NDF: 1338482809.4/32

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

Right Out: 32.904+/-0.000 χ^2/NDF: 736832173.5/35

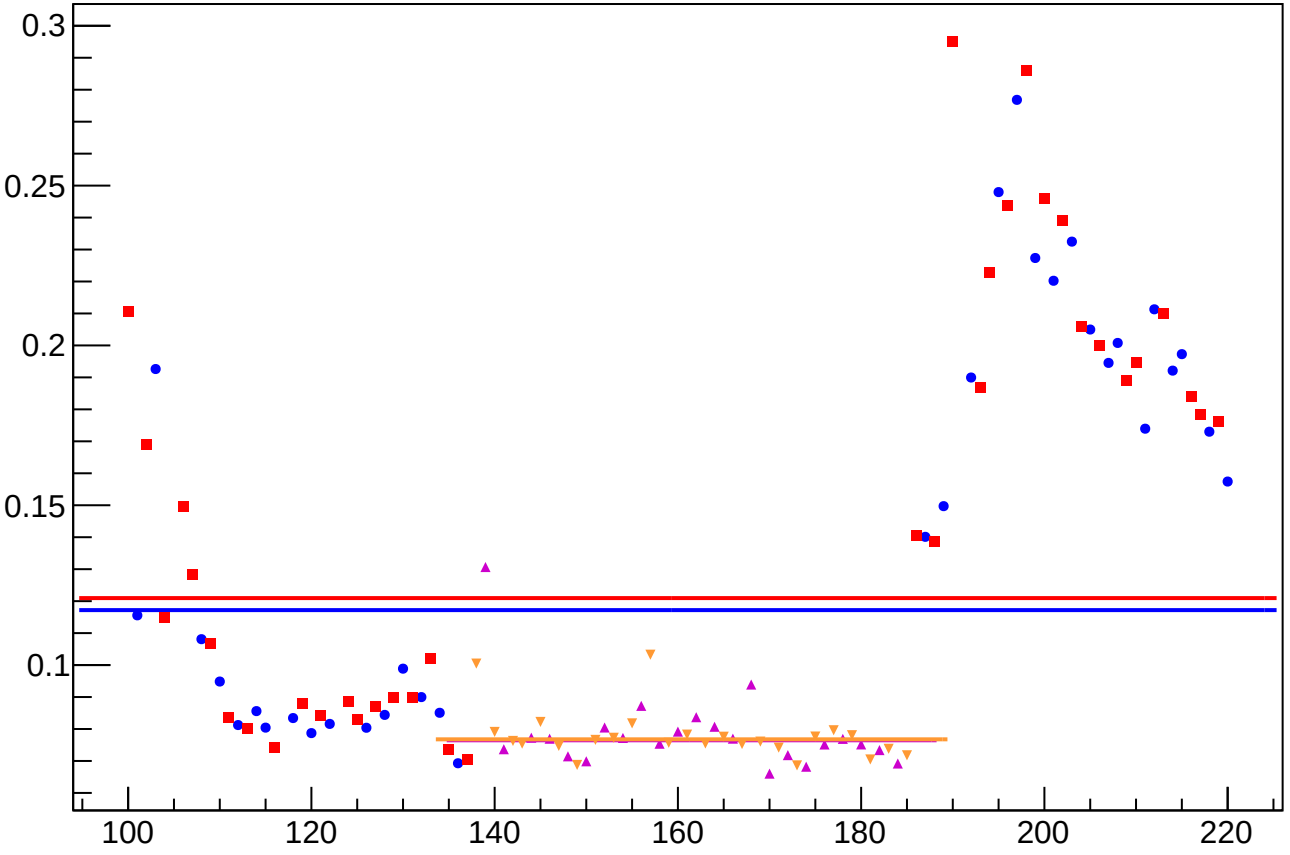
Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.498+/-0.000 χ^2/NDF: 2668536805.2/57

All: 32.503+/-0.000 χ^2/NDF: 4242690995.6/1

- sign 32.508+/-0.000 χ^2/NDF: 1573921803.2/58

yield_usr_rms vs Slug



Right In: 0.117+/-0.000 χ^2/NDF: 6848723.0/32

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.121+/-0.000 χ^2/NDF: 6583308.5/35

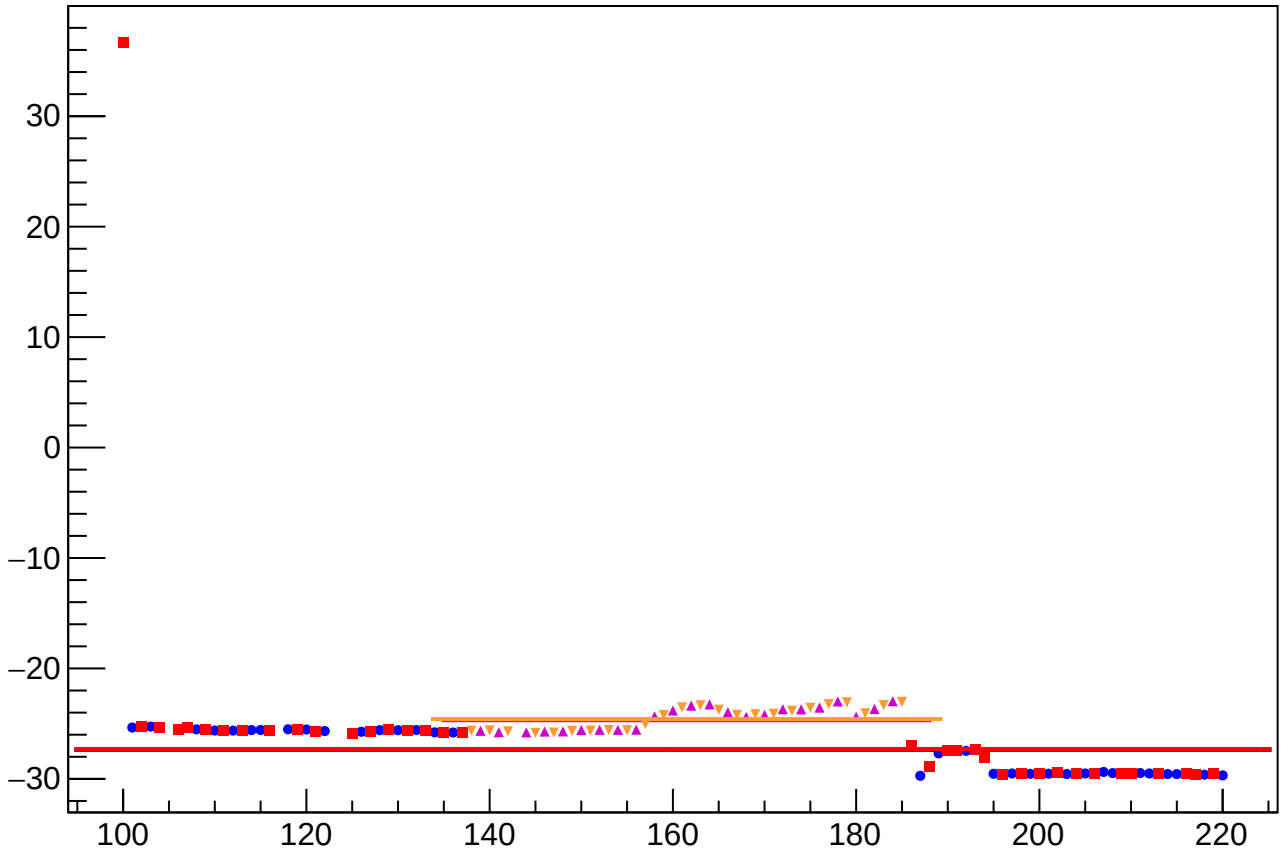
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.088+/-0.000 χ^2/NDF: 9876009.7/57

All: 0.089+/-0.000 χ^2/NDF: 20165717.1/116

- sign 0.089+/-0.000 χ^2/NDF: 10286880.9/58

yield_dsl_mean vs Slug



Right In: -27.370+/-0.000 χ^2/NDF: 29058544150.2/32

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -27.291+/-0.000 χ^2/NDF: 36885523680.3/35

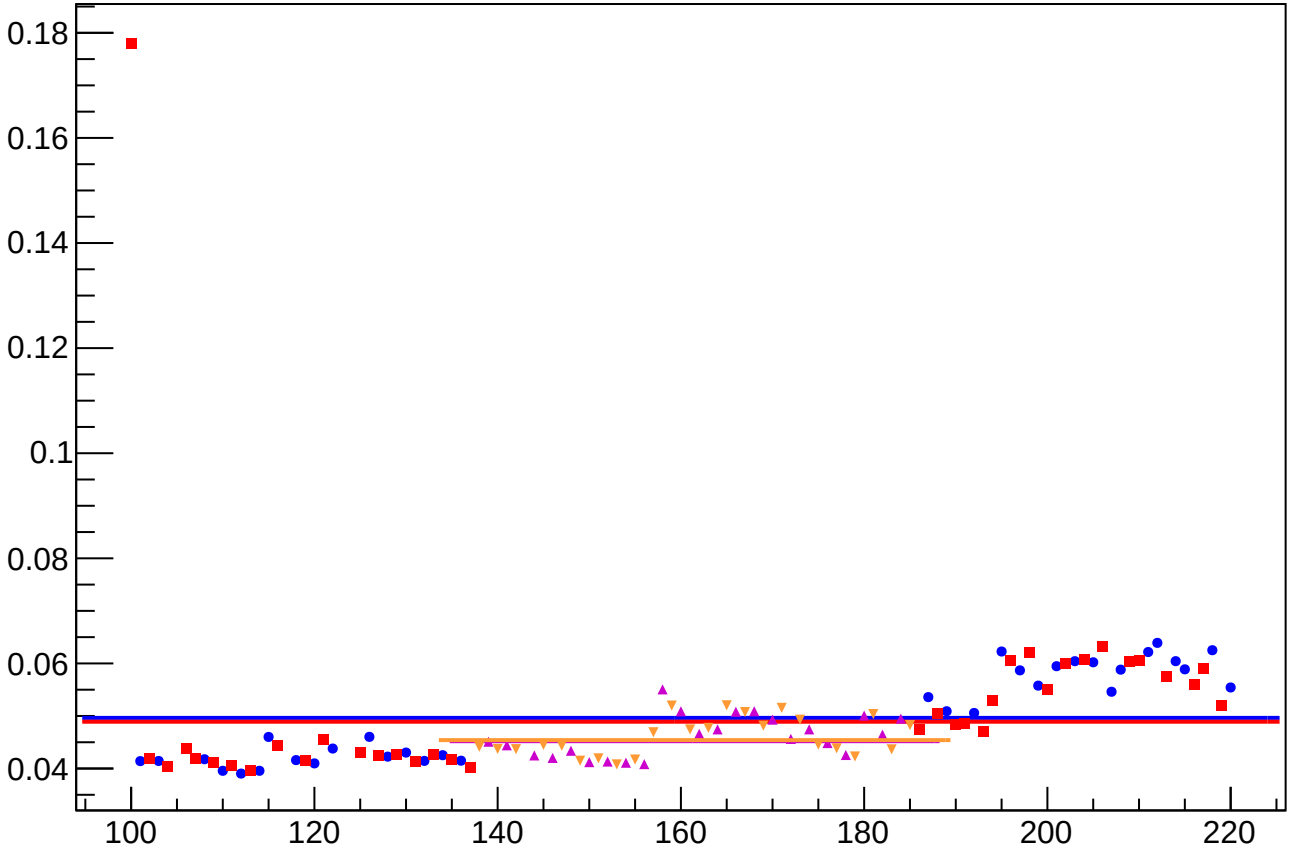
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.921+/-0.000 χ^2/NDF: 70635373235.6/56

All: -25.945+/-0.000 χ^2/NDF: 145393439946

- sign -25.969+/-0.000 χ^2/NDF: 74738434451.5/58

yield_dsl_rms vs Slug



Right In: 0.050+/-0.000 χ^2/NDF: 1190892.1/32

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.049+/-0.000 χ^2/NDF: 1120946.8/35

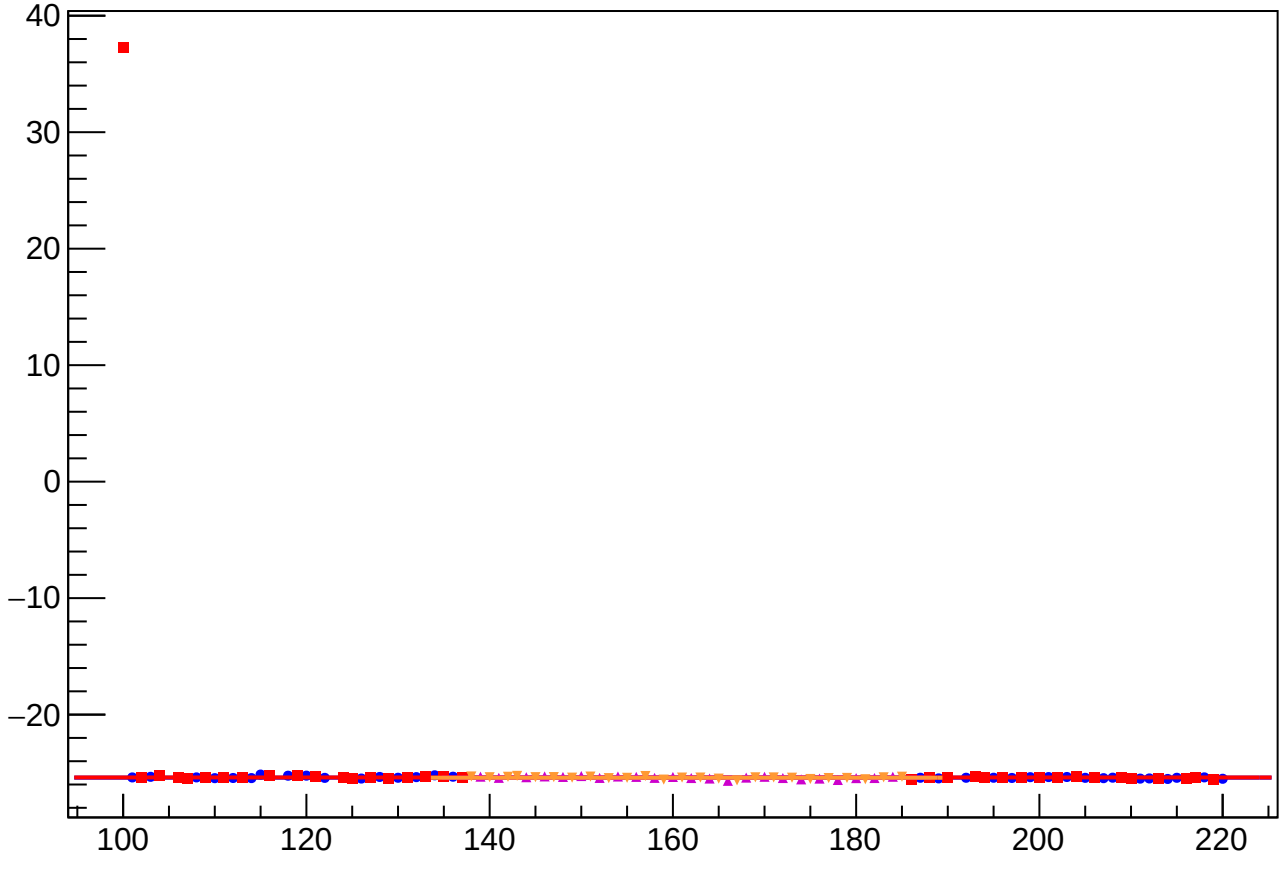
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.047+/-0.000 χ^2/NDF: 1546281.4/56

All: 0.047+/-0.000 χ^2/NDF: 3032378.3/115

- sign 0.047+/-0.000 χ^2/NDF: 1483294.7/58

yield_dsr_mean vs Slug



Right In: -25.412+/-0.000 χ^2/NDF: 35299630.5/32

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.394+/-0.000 χ^2/NDF: 6354639213.3/35

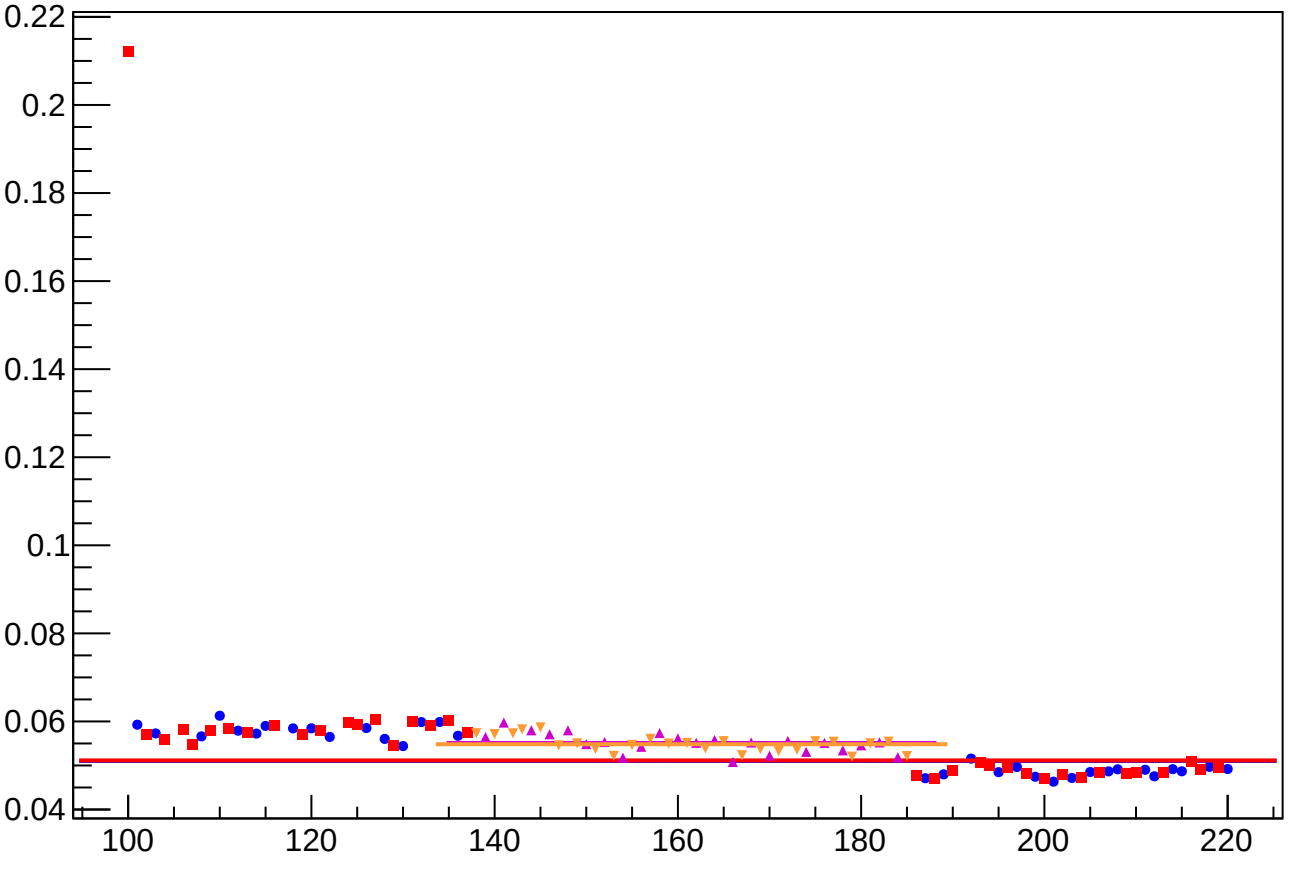
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.414+/-0.000 χ^2/NDF: 87584836.9/57

All: -25.409+/-0.000 χ^2/NDF: 6500297991.1/

- sign -25.403+/-0.000 χ^2/NDF: 6411804989.5/58

yield_dsr_rms vs Slug



Right In: 0.051+/-0.000 χ^2/NDF: 282627.1/32

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

Right Out: 0.051+/-0.000 χ^2/NDF: 381234.7/35

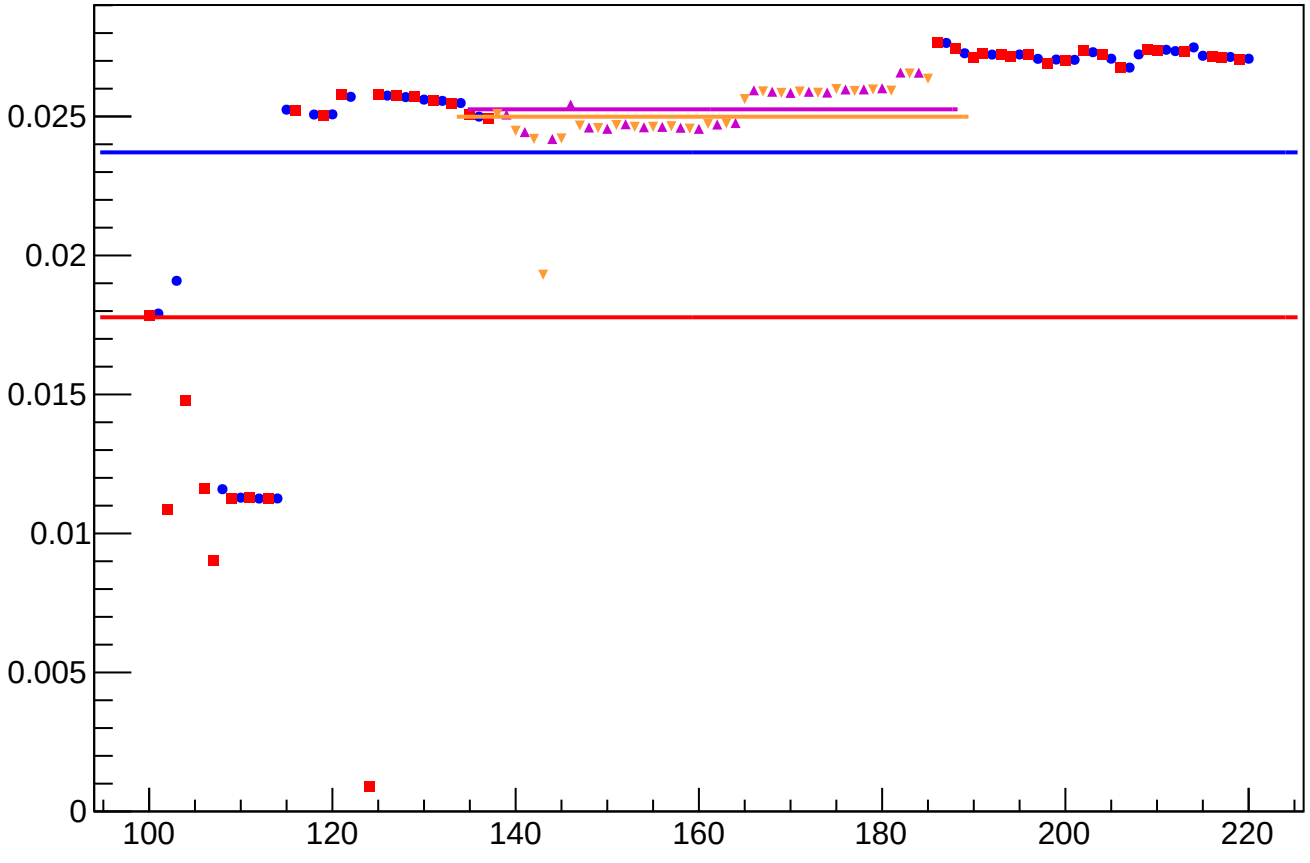
Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.053+/-0.000 χ^2/NDF: 420088.1/57

All: 0.053+/-0.000 χ^2/NDF: 958612.9/116

- sign 0.053+/-0.000 χ^2/NDF: 538328.4/58

yield_atl1_mean vs Slug



Right In: 0.024+/-0.000 χ^2/NDF: 105214889421.2/32

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.018+/-0.000 χ^2/NDF: 505889219224.1/36

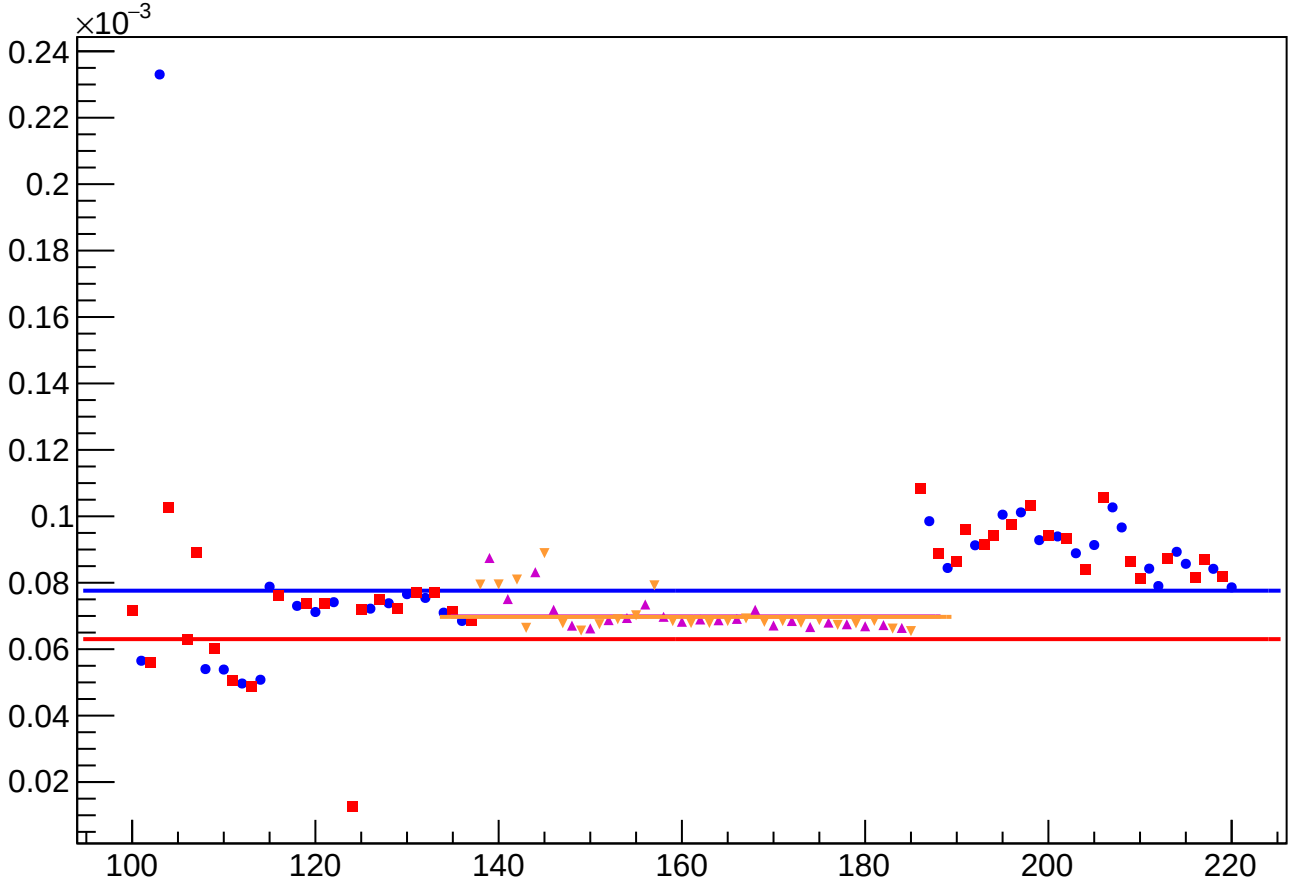
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 116009102280.9/57

All: 0.023+/-0.000 χ^2/NDF: 770821321164.8

- sign 0.021+/-0.000 χ^2/NDF: 617745735922.1/59

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1960289.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

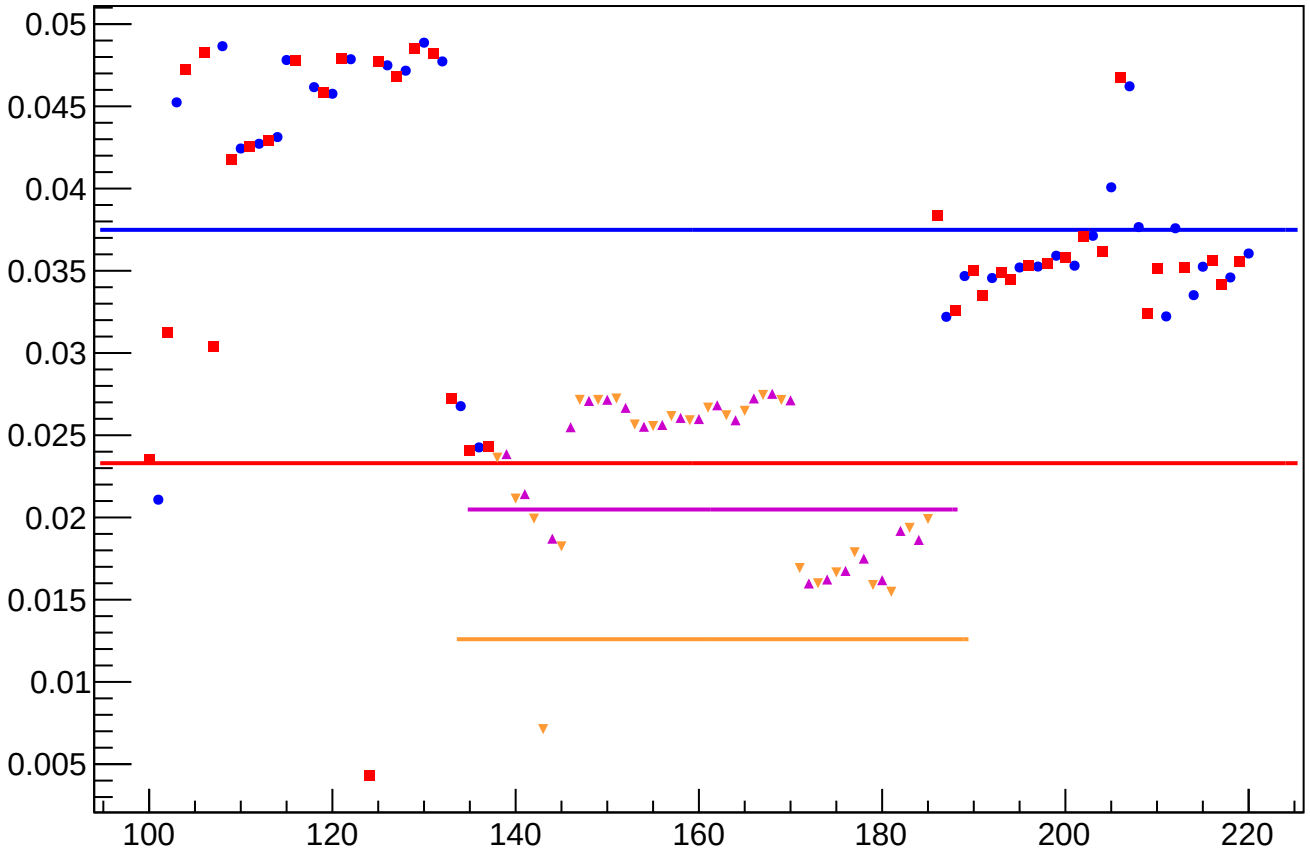
Right Out: 0.000+/-0.000 χ^2/NDF: 8073829.4/36

Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 2368457.2/57

All: 0.000+/-0.000 χ^2/NDF: 11156037.5/117

- sign 0.000+/-0.000 χ^2/NDF: 8410320.9/59



Right In: 0.037+/-0.000 χ^2/NDF: 7481093709.6/32

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.023+/-0.000 χ^2/NDF: 48519699121.8/36

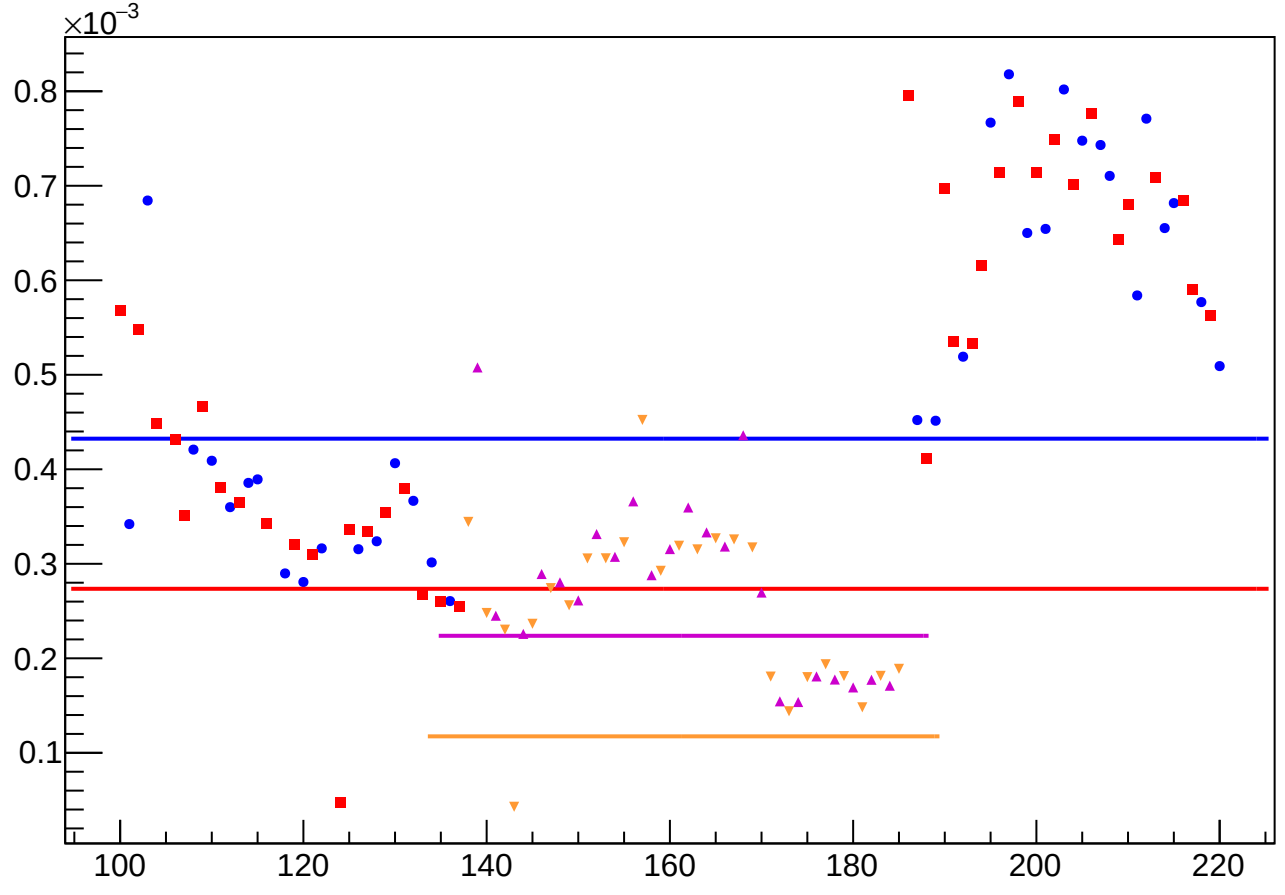
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 95274654399.2/57

All: 0.017+/-0.000 χ^2/NDF: 161938271900.4

- sign 0.021+/-0.000 χ^2/NDF: 55433255902.1/59

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5132792.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 16738891.2/36

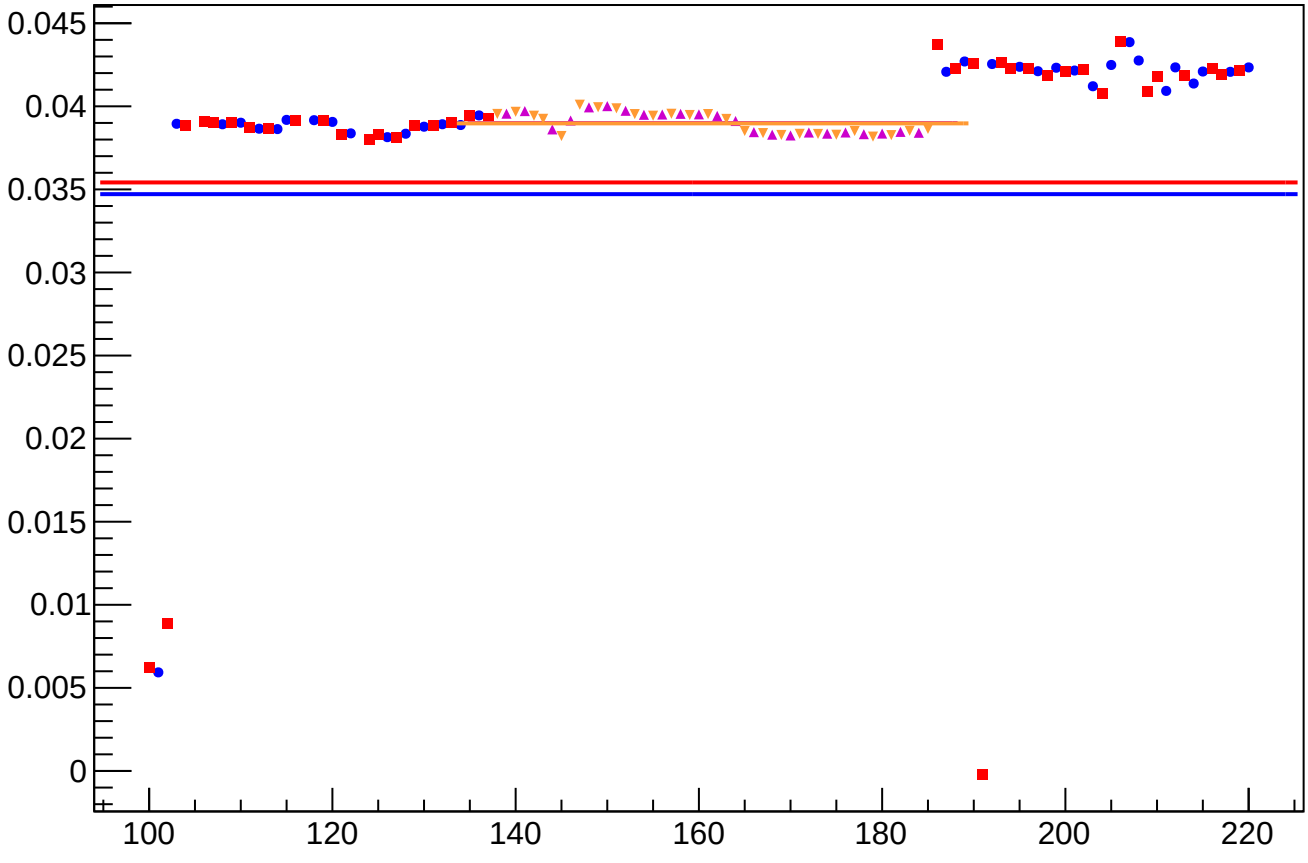
Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 35679073.0/57

All: 0.000+/-0.000 χ^2/NDF: 61038980.2/117

- sign 0.000+/-0.000 χ^2/NDF: 20634336.3/59

yield_atr1_mean vs Slug



Right In: 0.035+/-0.000 χ^2/NDF: 138136549368.7/32

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.035+/-0.000 χ^2/NDF: 124871488387.1/36

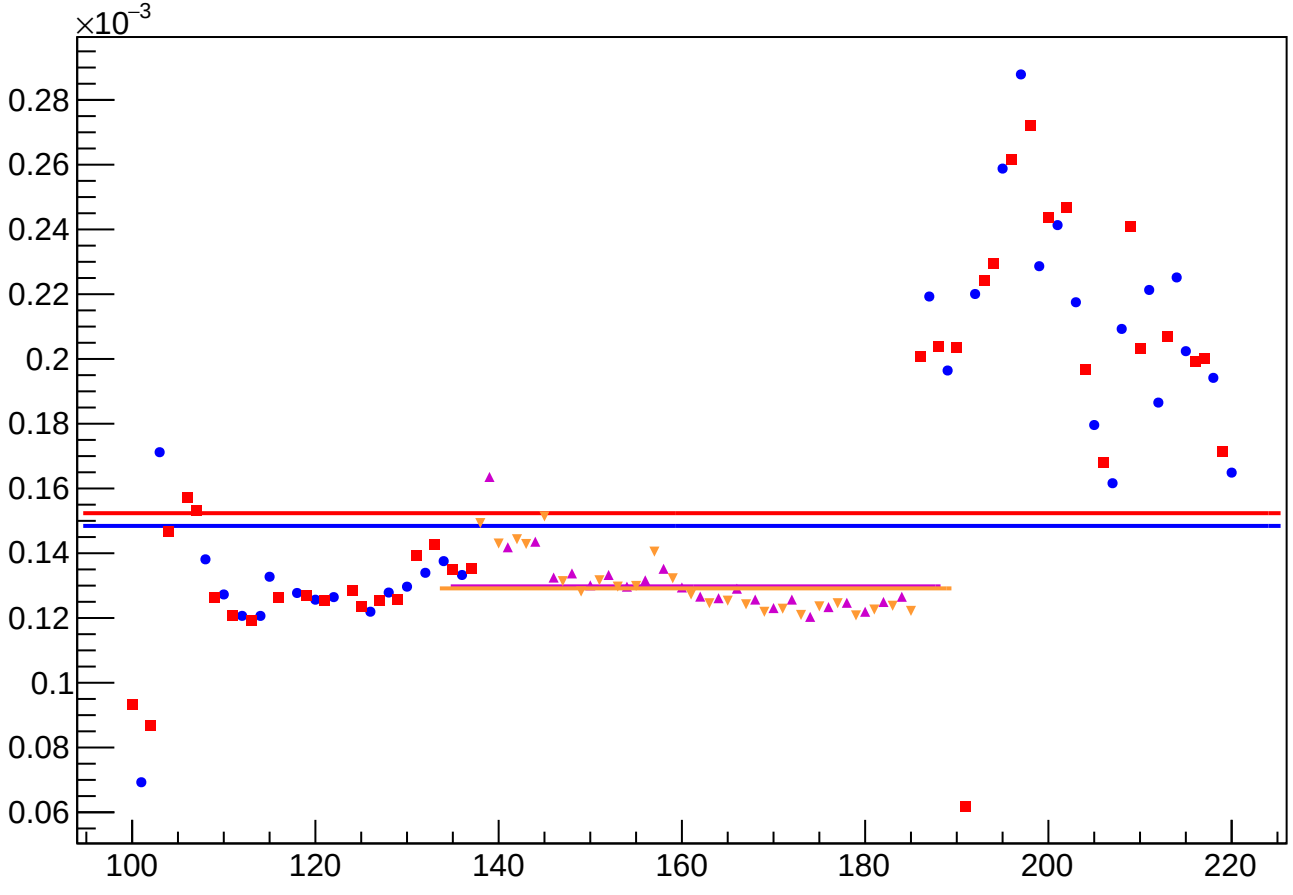
Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.037+/-0.000 χ^2/NDF: 147257811233.3/57

All: 0.037+/-0.000 χ^2/NDF: 278438400734.2

- sign 0.037+/-0.000 χ^2/NDF: 131104602945.3/59

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4481219.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4139734.6/36

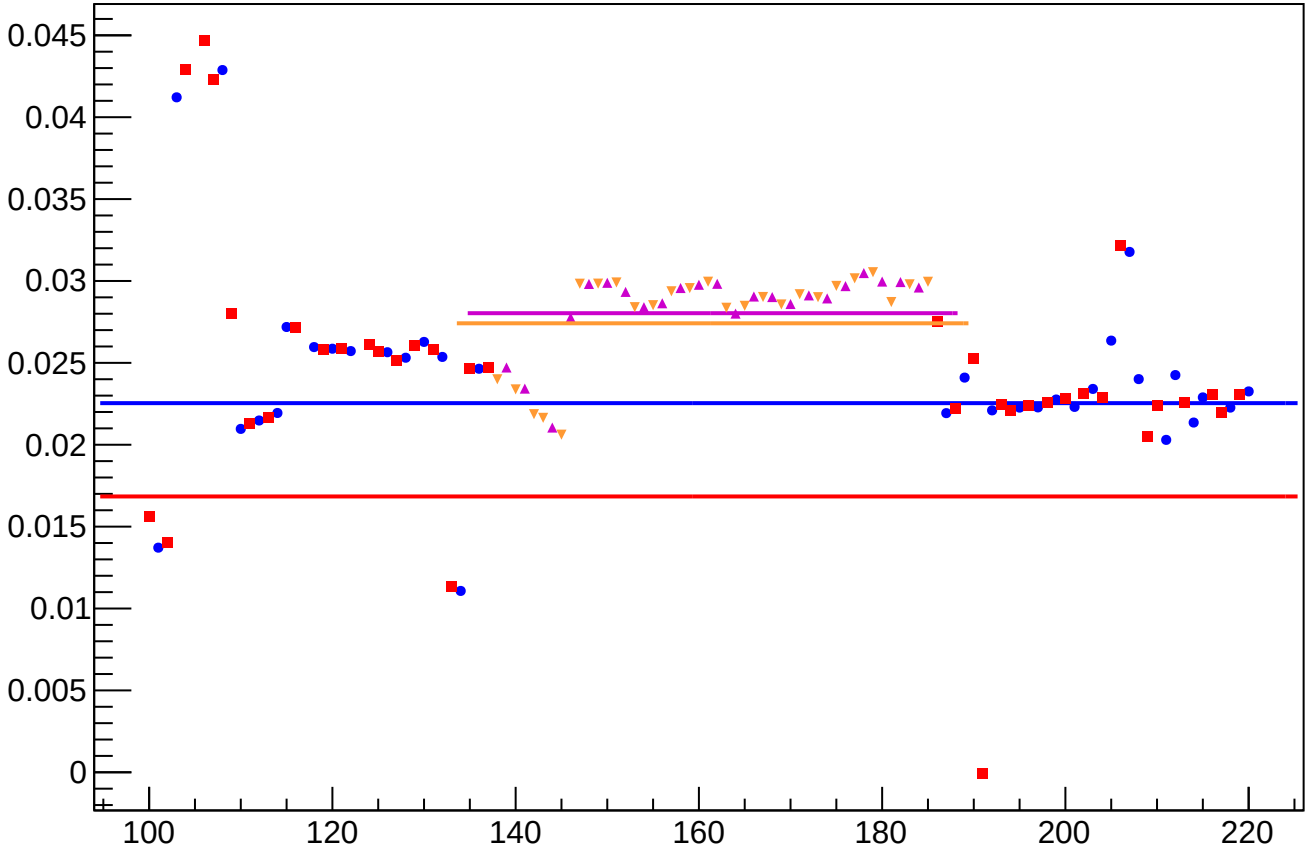
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 4993417.1/57

All: 0.000+/-0.000 χ^2/NDF: 9748979.1/117

- sign 0.000+/-0.000 χ^2/NDF: 4746385.8/59

yield_atr2_mean vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 5213007079.8/32

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.017+/-0.000 χ^2/NDF: 26075089380.5/36

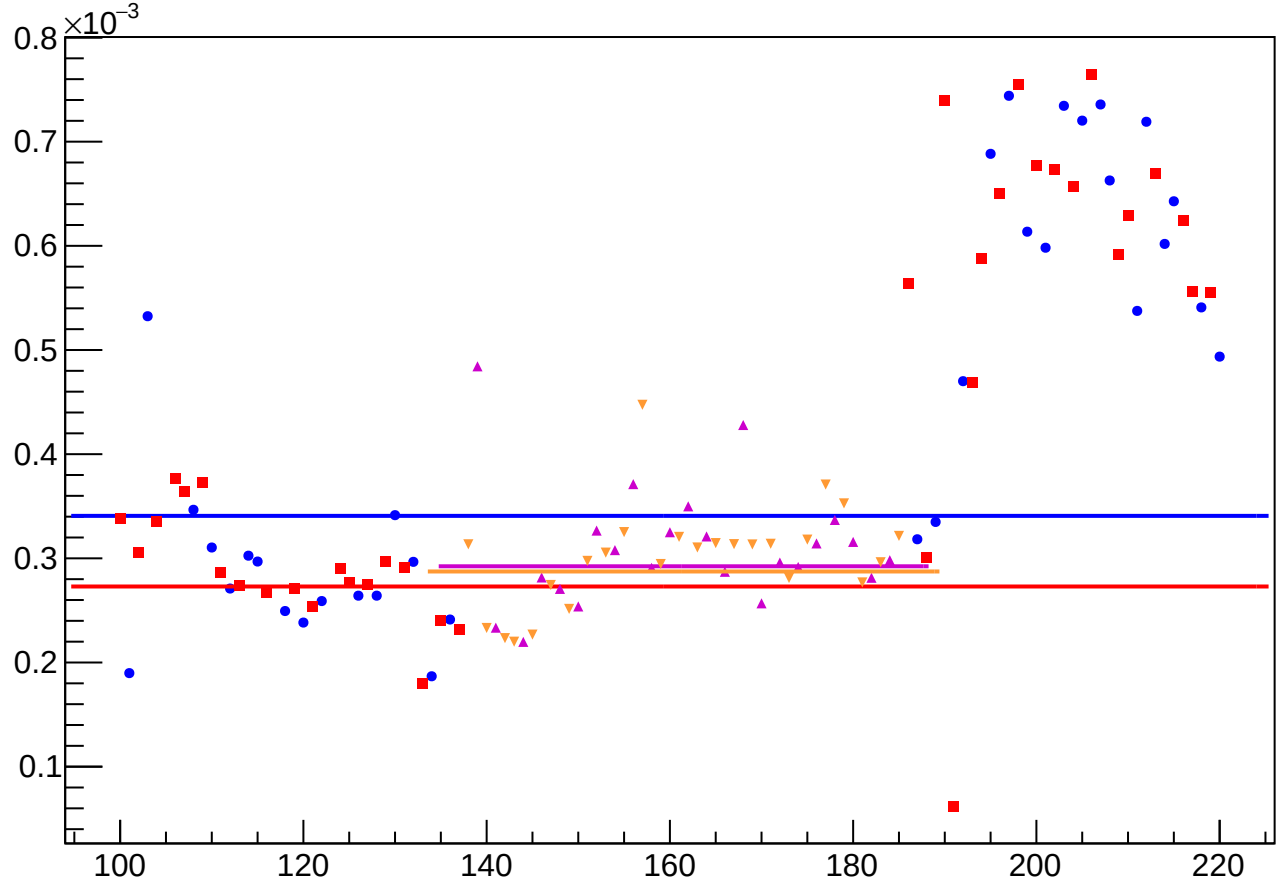
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.025+/-0.000 χ^2/NDF: 9411839589.1/57

All: 0.024+/-0.000 χ^2/NDF: 50127060474.5/1

- sign 0.023+/-0.000 χ^2/NDF: 39248893036.4/59

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7397024.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

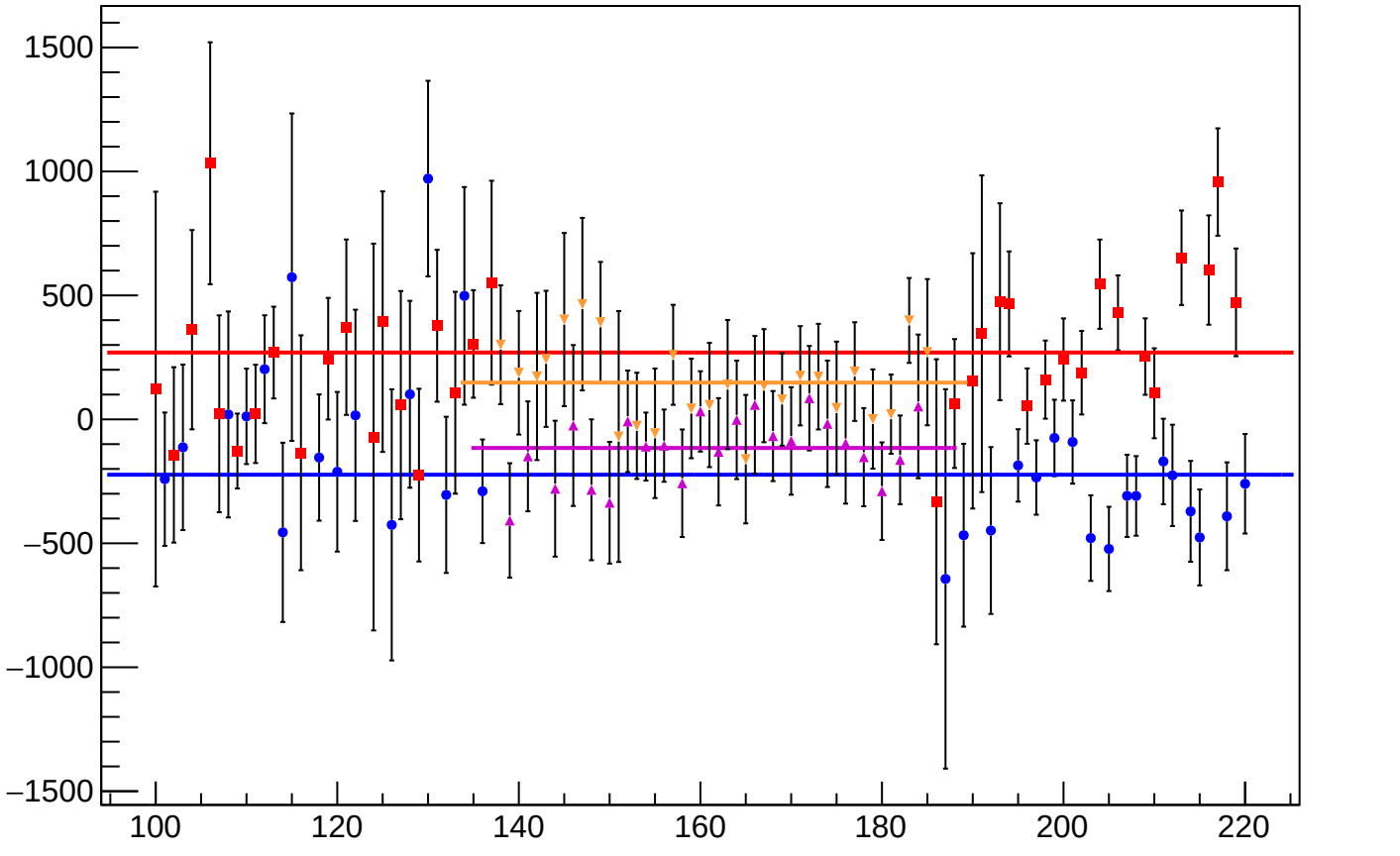
Right Out: 0.000+/-0.000 χ^2/NDF: 12808961.3/36

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8688394.2/57

All: 0.000+/-0.000 χ^2/NDF: 22773169.3/117

- sign 0.000+/-0.000 χ^2/NDF: 13849692.8/59



Right In: -223.285+/-39.027 χ^2/NDF: 32.6/32

Left Out: 148.273+/-46.219 χ^2/NDF:10.4/24

Right Out: 269.581+/-38.886 χ^2/NDF: 44.1/36

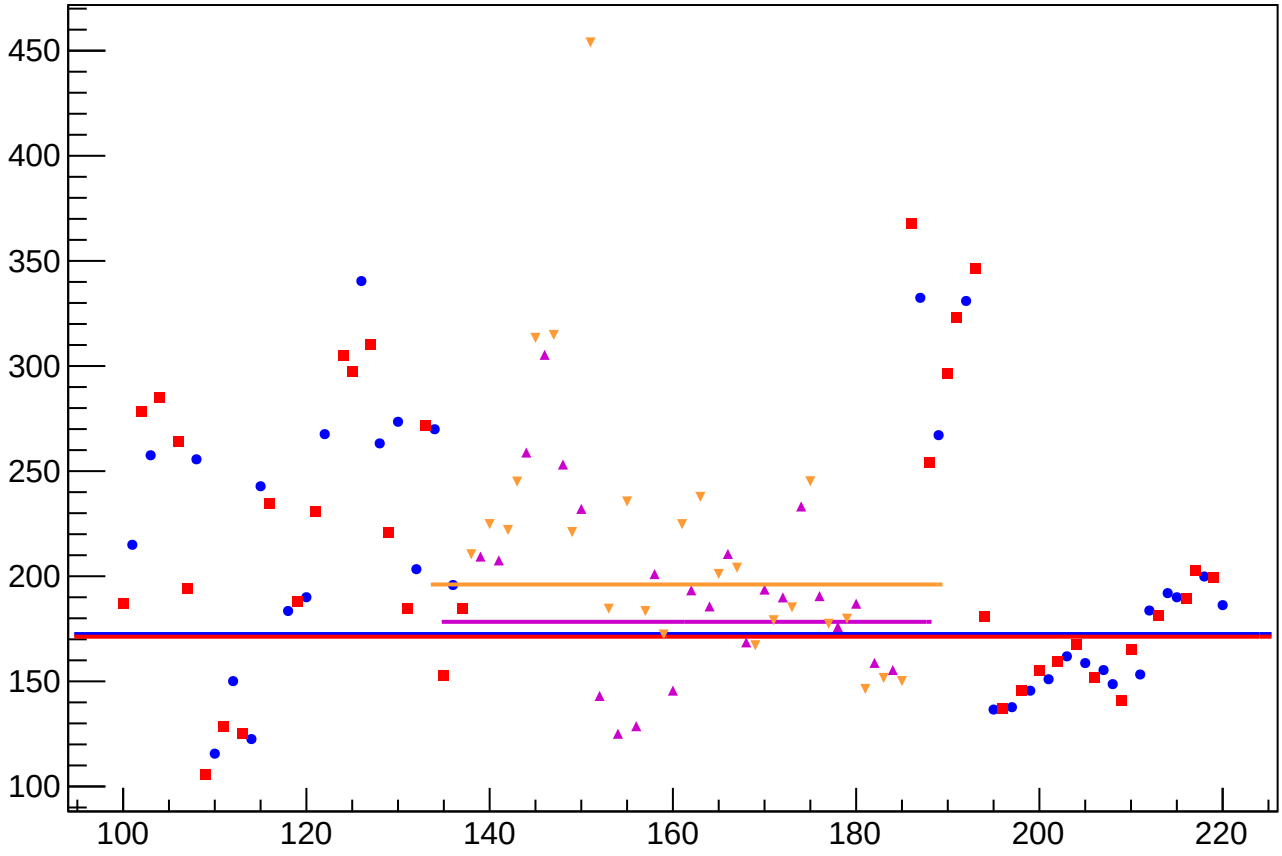
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign -68.632+/-29.819 χ^2/NDF: 80.6/57

All: 17.405+/-20.794 χ^2/NDF: 192.1/117

- sign 98.844+/-29.011 χ^2/NDF: 95.3/59

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.508+/-0.028 χ^2/NDF: 2380841.3/32

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

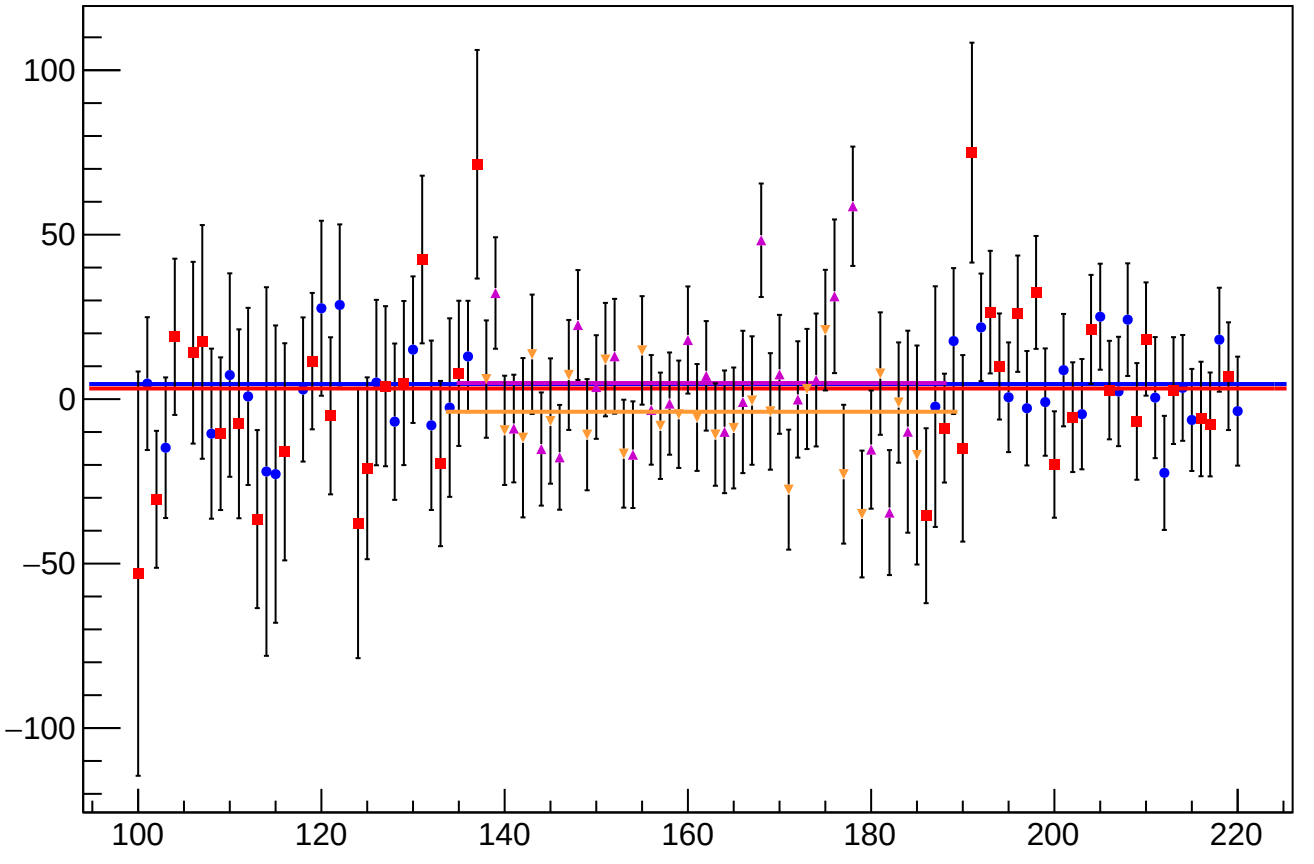
Right Out: 171.243+/-0.027 χ^2/NDF: 3110952.2/36

Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 182.322+/-0.021 χ^2/NDF: 4503194.1/57

All: 178.242+/-0.015 χ^2/NDF: 9394725.9/117

- sign 174.380+/-0.021 χ^2/NDF: 4818644.7/59



Right In: 4.594+/-3.466 χ^2/NDF: 13.6/32

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

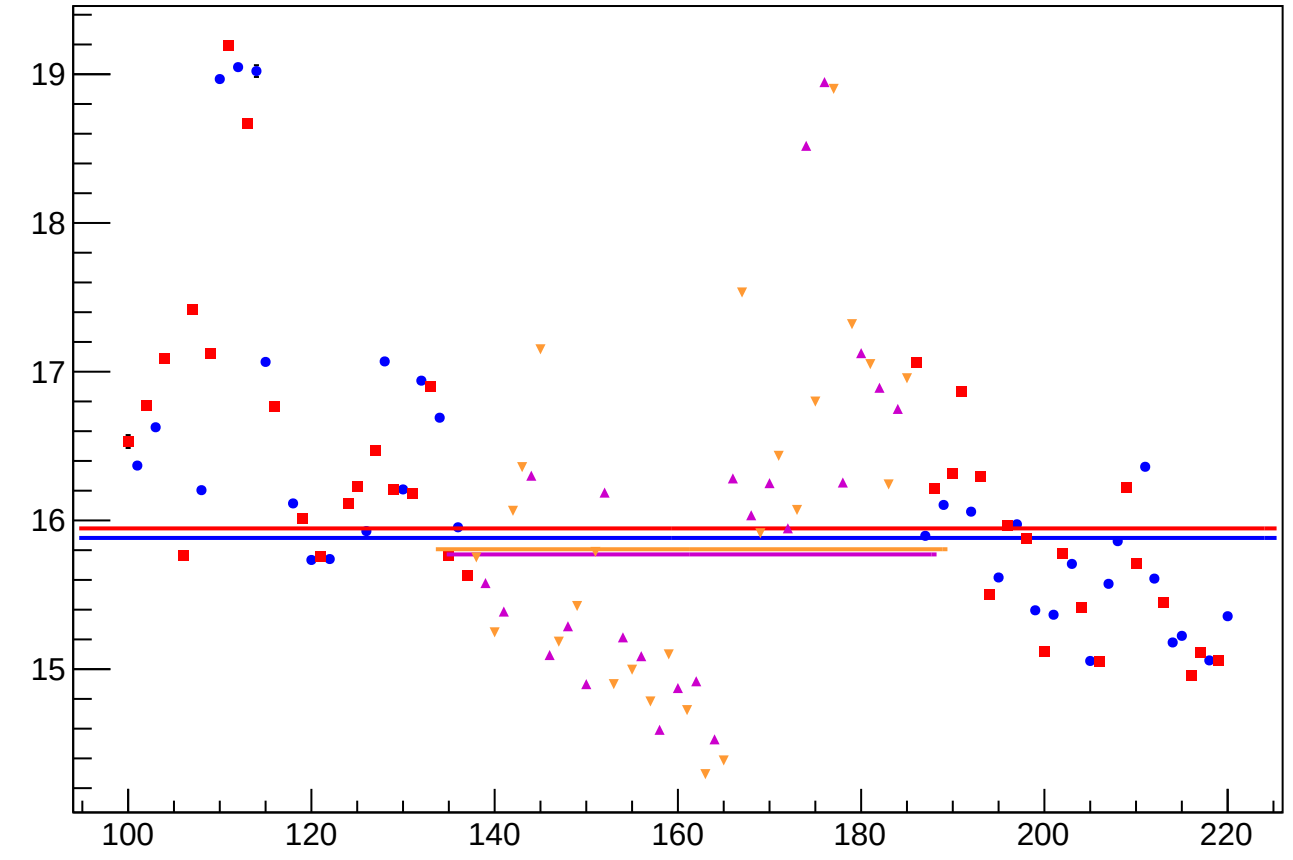
Right Out: 3.236+/-3.440 χ^2/NDF: 35.6/36

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign 0.542+/-2.498 χ^2/NDF: 29.3/57

All: 2.262+/-1.773 χ^2/NDF: 99.9/117

- sign 4.010+/-2.518 χ^2/NDF: 69.6/59



Right In: 15.882+/-0.002 χ^2/NDF: 97528.3/32

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

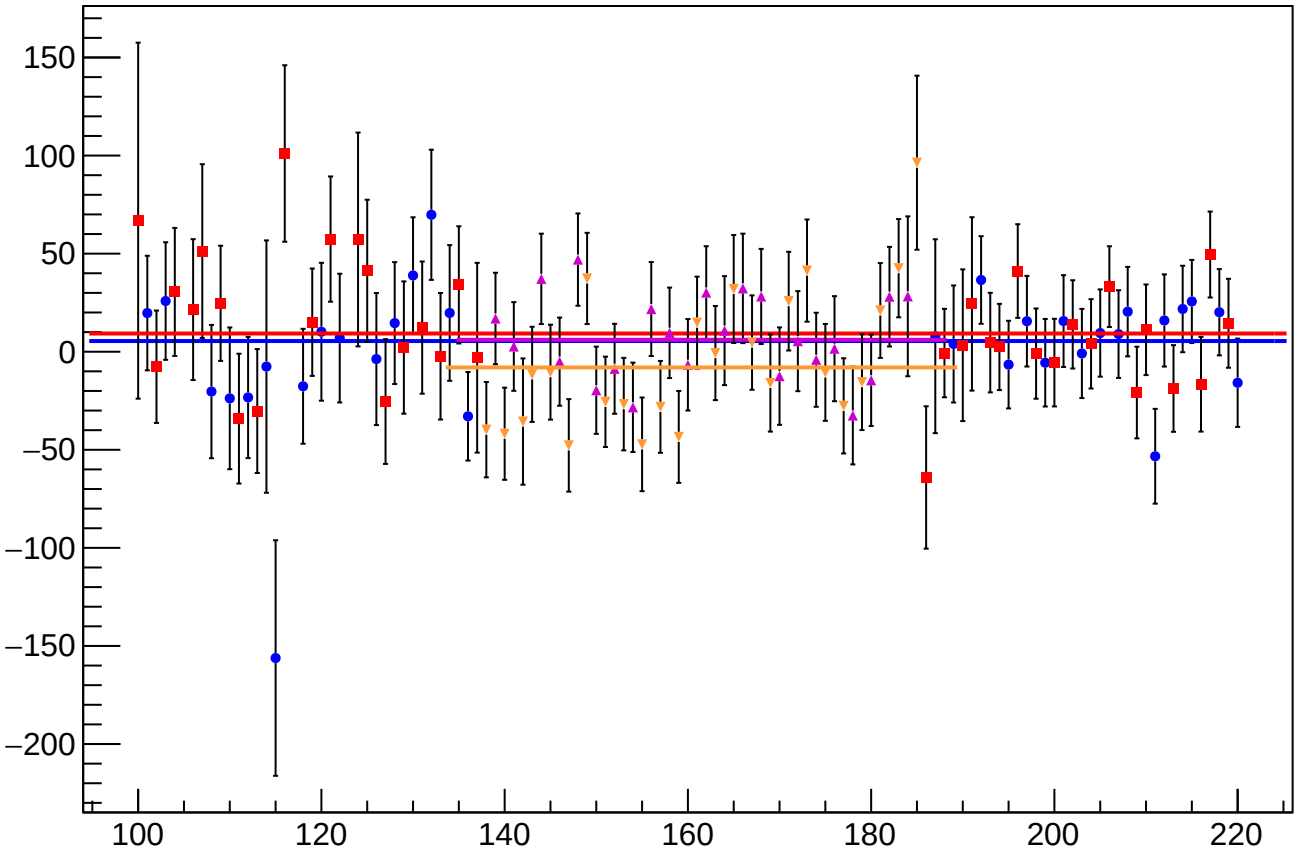
Right Out: 15.946+/-0.002 χ^2/NDF: 111920.4/36

Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

\+ sign 15.846+/-0.002 χ^2/NDF: 270641.1/57

All: 15.855+/-0.001 χ^2/NDF: 537159.4/117

\- sign 15.865+/-0.002 χ^2/NDF: 266458.5/59



Right In: 5.445+/-4.656 χ^2/NDF: 31.3/32

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: 9.285+/-4.625 χ^2/NDF: 32.2/36

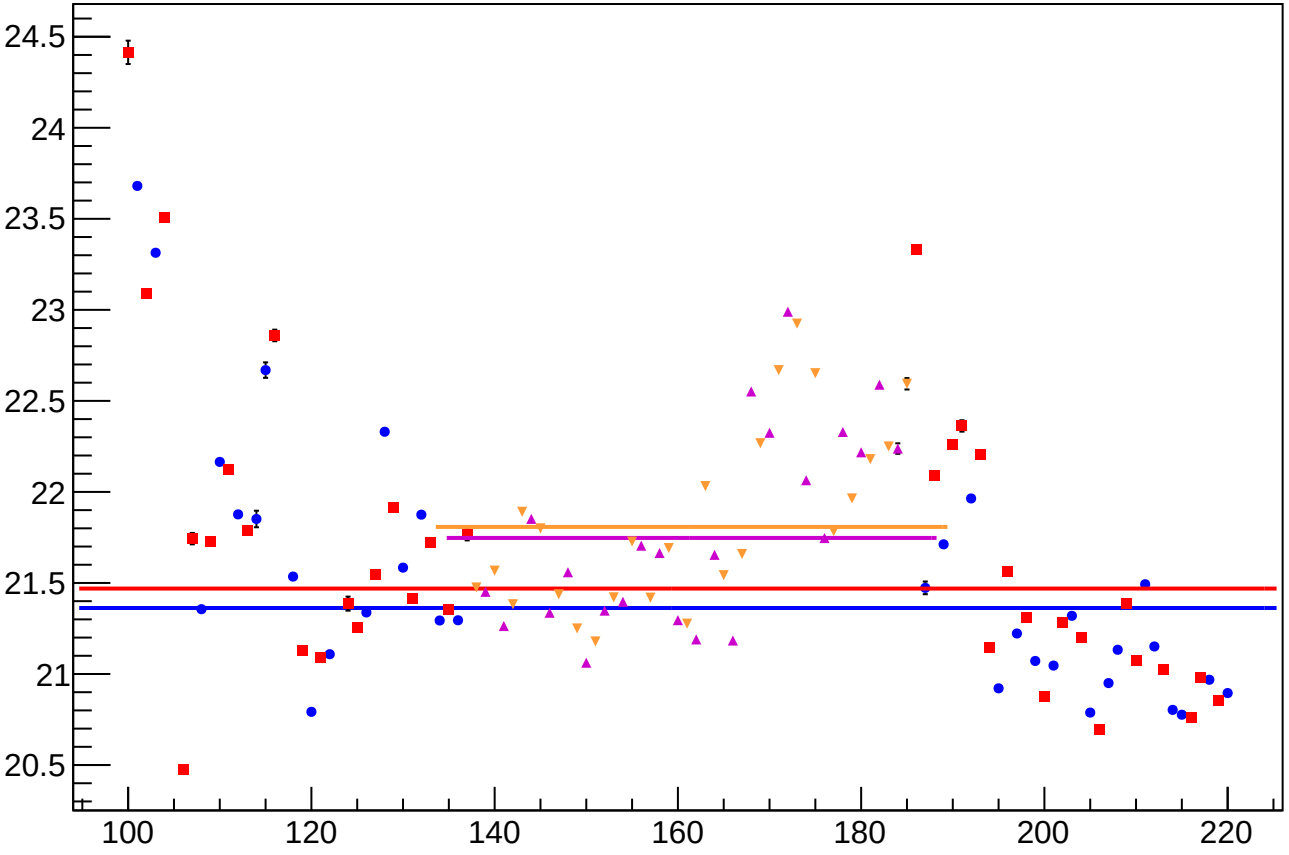
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

\+ sign -0.865+/-3.393 χ^2/NDF: 74.1/57

All: 3.451+/-2.409 χ^2/NDF: 127.6/117

\- sign 7.835+/-3.420 χ^2/NDF: 50.3/59

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.362+/-0.003 χ^2/NDF: 37019.6/32

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

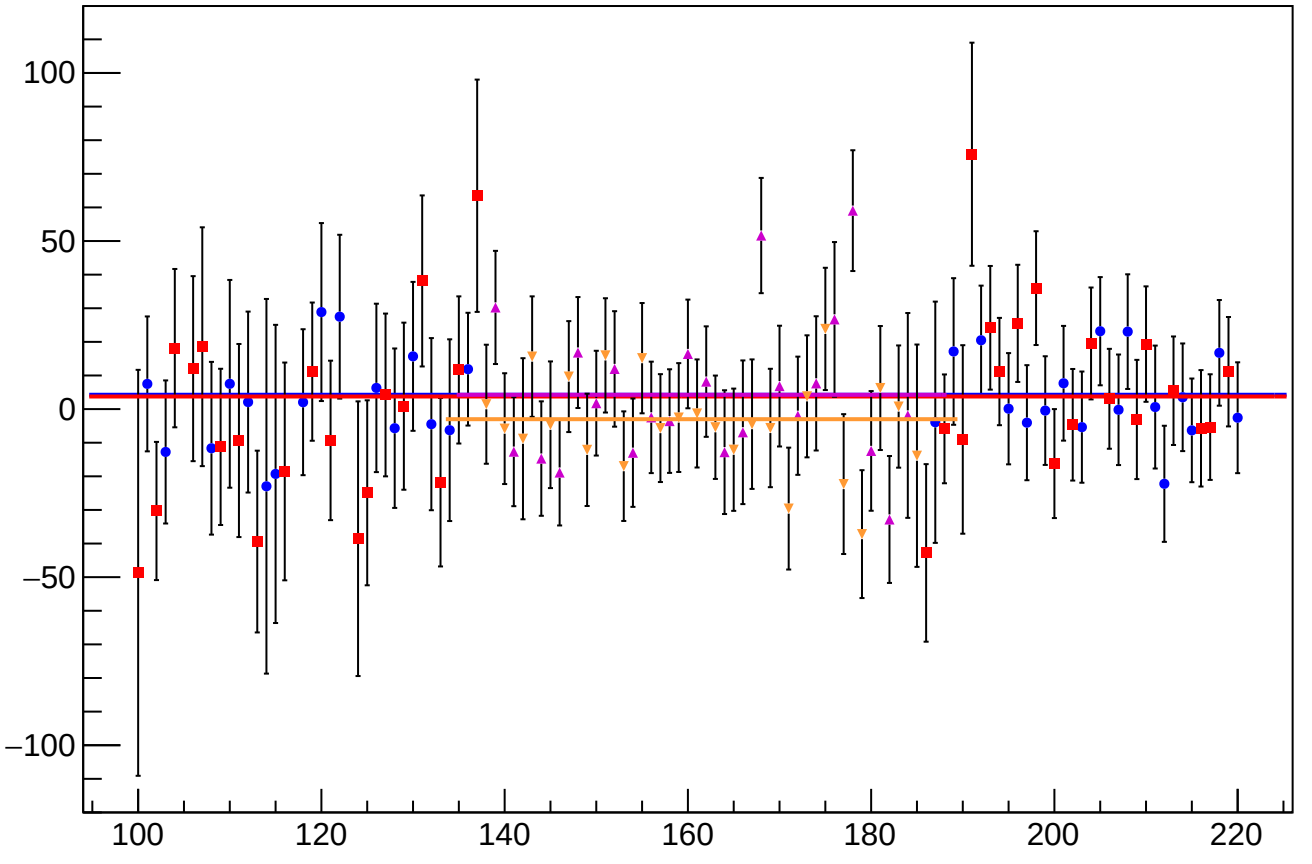
Right Out: 21.469+/-0.003 χ^2/NDF: 43181.9/36

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.571+/-0.002 χ^2/NDF: 63155.9/57

All: 21.583+/-0.002 χ^2/NDF: 130224.9/117

- sign 21.595+/-0.002 χ^2/NDF: 67019.2/59



Right In: 4.266+/-3.443 χ^2/NDF: 12.8/32

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

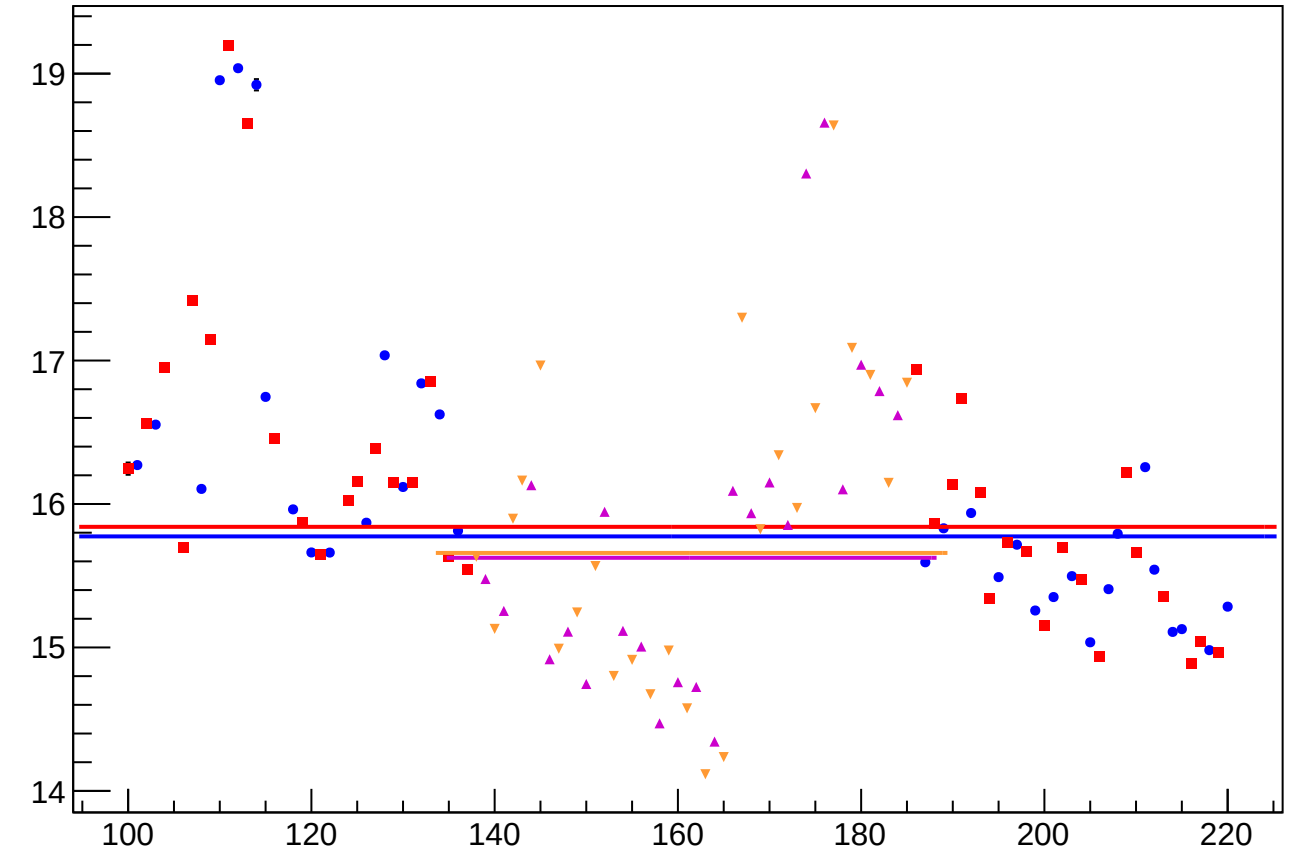
Right Out: 3.746+/-3.418 χ^2/NDF: 35.9/36

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign 0.762+/-2.478 χ^2/NDF: 29.6/57

All: 2.358+/-1.759 χ^2/NDF: 100.1/117

- sign 3.980+/-2.498 χ^2/NDF: 69.7/59



Right In: 15.774+/-0.002 χ^2/NDF: 99517.8/32

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

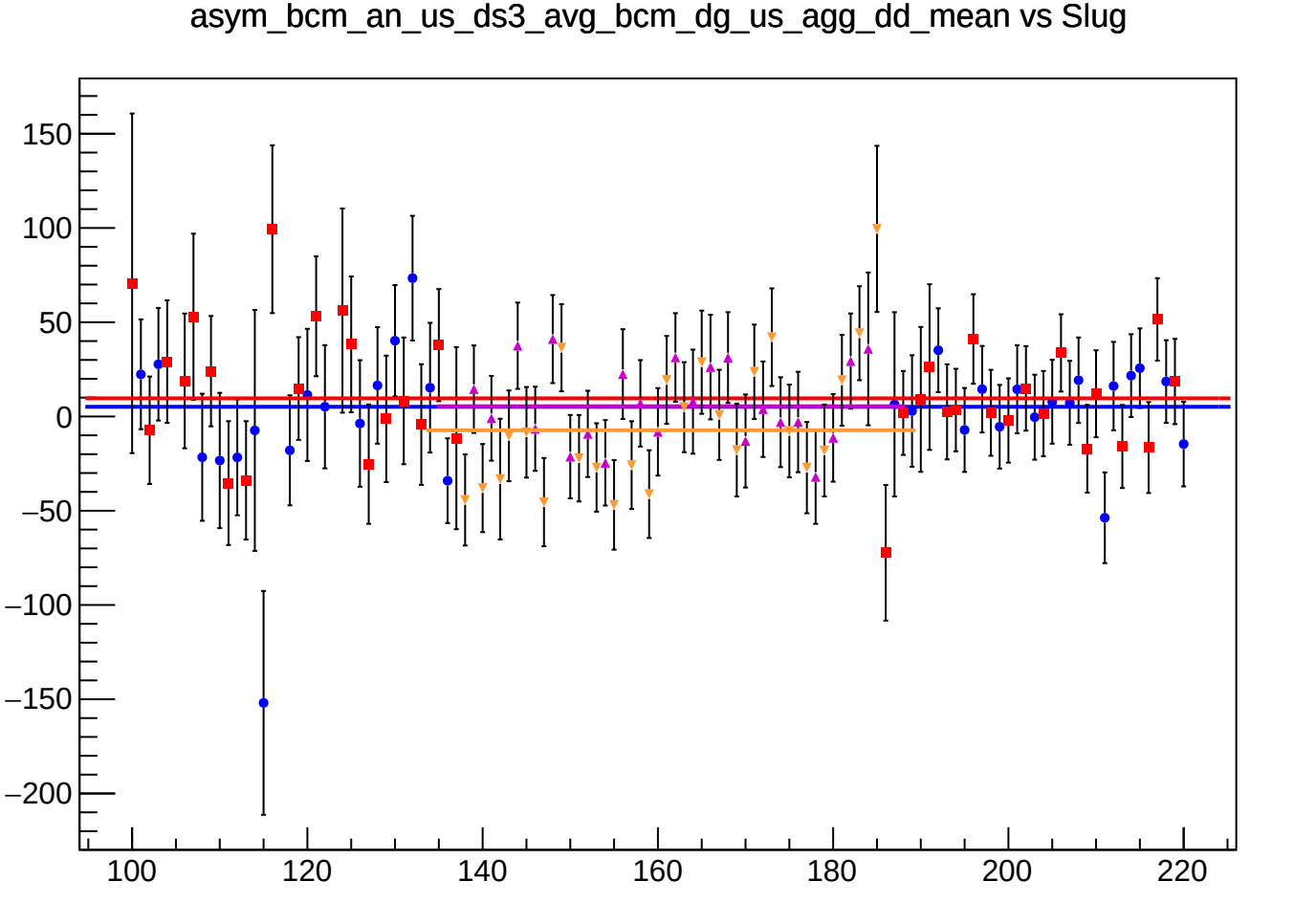
Right Out: 15.841+/-0.002 χ^2/NDF: 112426.5/36

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.719+/-0.002 χ^2/NDF: 270435.0/57

All: 15.729+/-0.001 χ^2/NDF: 537082.2/117

\- sign 15.740+/-0.002 χ^2/NDF: 266570.9/59



Right In: 5.145+/-4.637 χ^2/NDF: 31.6/32

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

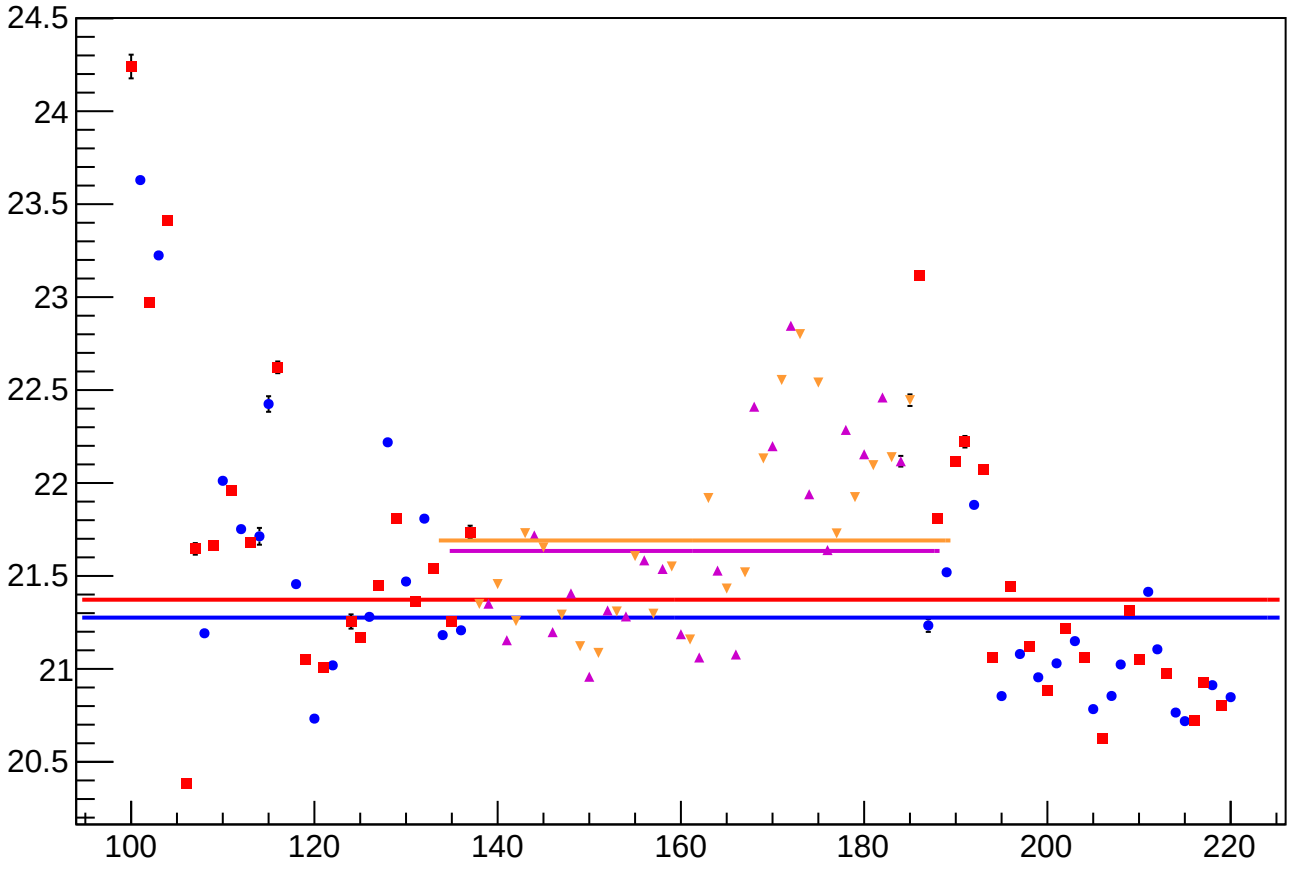
Right Out: 9.622+/-4.604 χ^2/NDF: 33.2/36

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

+ sign -0.706+/-3.377 χ^2/NDF: 73.7/57

All: 3.477+/-2.397 χ^2/NDF: 127.6/117

- sign 7.723+/-3.403 χ^2/NDF: 50.8/59



Right In: 21.276+/-0.003 χ^2/NDF: 35970.9/32

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.372+/-0.003 χ^2/NDF: 39405.8/36

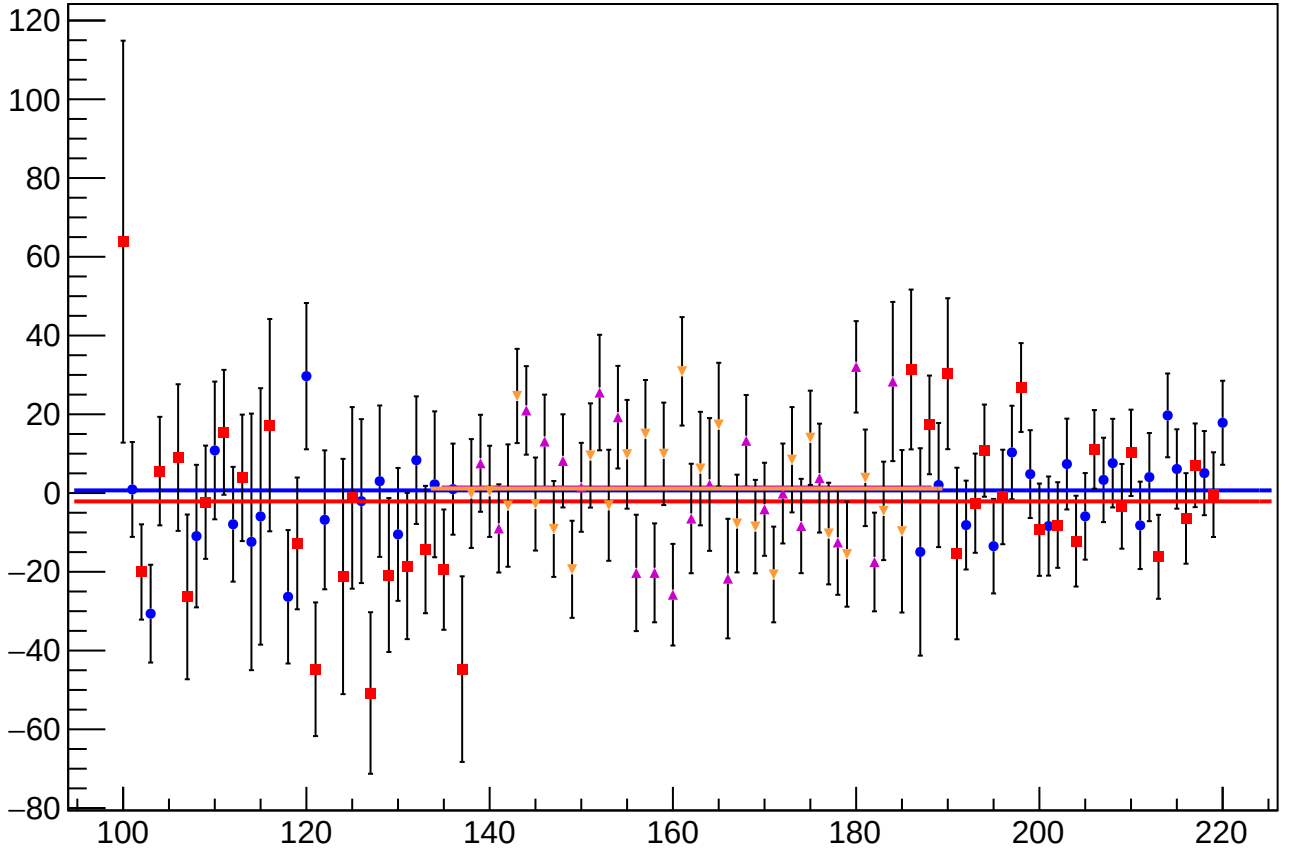
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

\+ sign 21.471+/-0.002 χ^2/NDF: 61425.4/57

All: 21.481+/-0.002 χ^2/NDF: 124373.0/117

\- sign 21.491+/-0.002 χ^2/NDF: 62911.2/59

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: 0.674+/-2.325 χ^2/NDF: 25.3/32

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

Right Out: -2.121+/-2.320 χ^2/NDF: 50.6/36

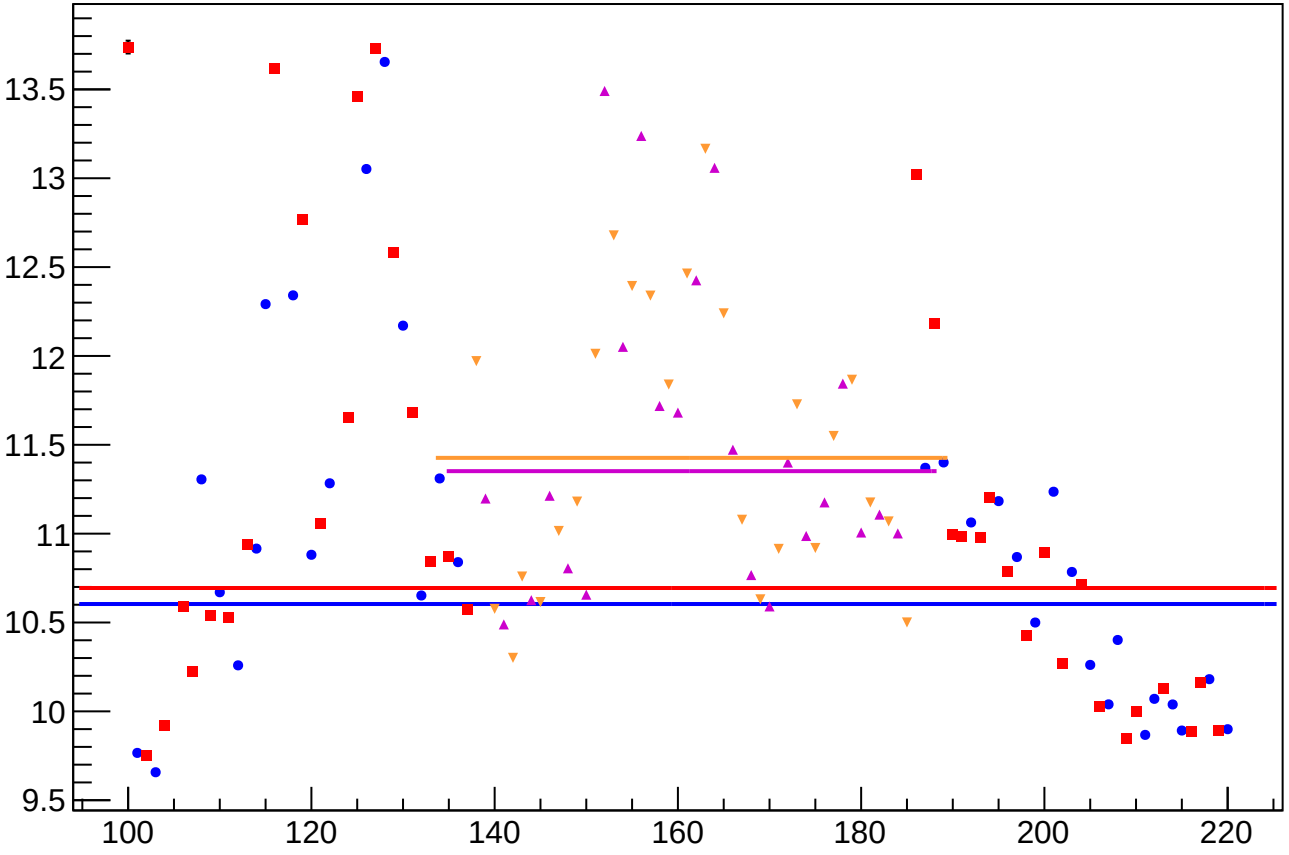
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign 0.878+/-1.739 χ^2/NDF: 49.9/57

All: 0.142+/-1.234 χ^2/NDF: 138.1/117

- sign -0.605+/-1.753 χ^2/NDF: 87.9/59

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 10.604+/-0.002 χ^2/NDF: 224875.1/32

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

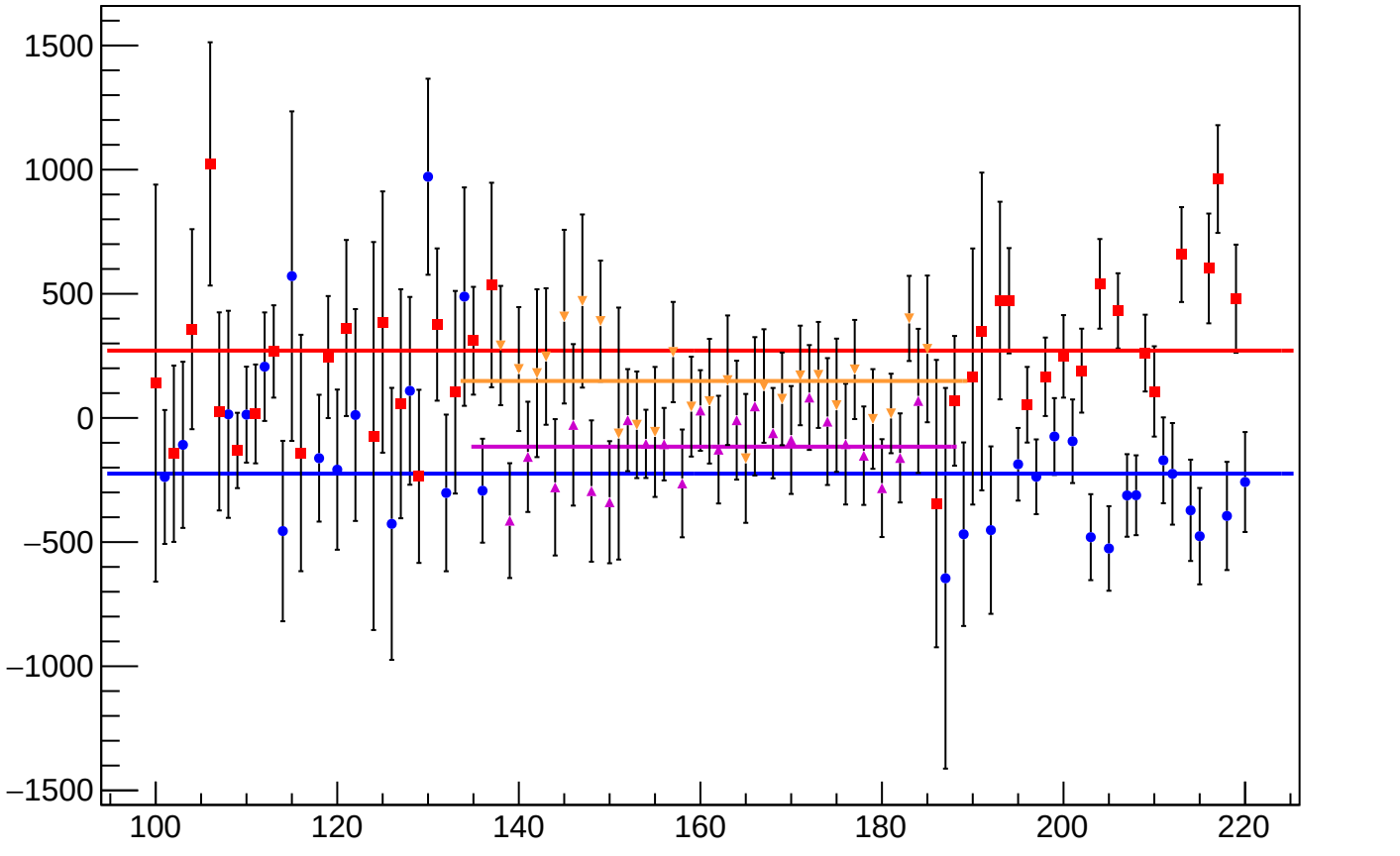
Right Out: 10.694+/-0.002 χ^2/NDF: 308500.1/36

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 10.966+/-0.001 χ^2/NDF: 492121.2/57

All: 10.971+/-0.001 χ^2/NDF: 1040215.1/117

- sign 10.977+/-0.001 χ^2/NDF: 548059.0/59



Right In: -224.383+/-39.124 χ^2/NDF: 32.6/32

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 271.248+/-38.988 χ^2/NDF: 44.2/36

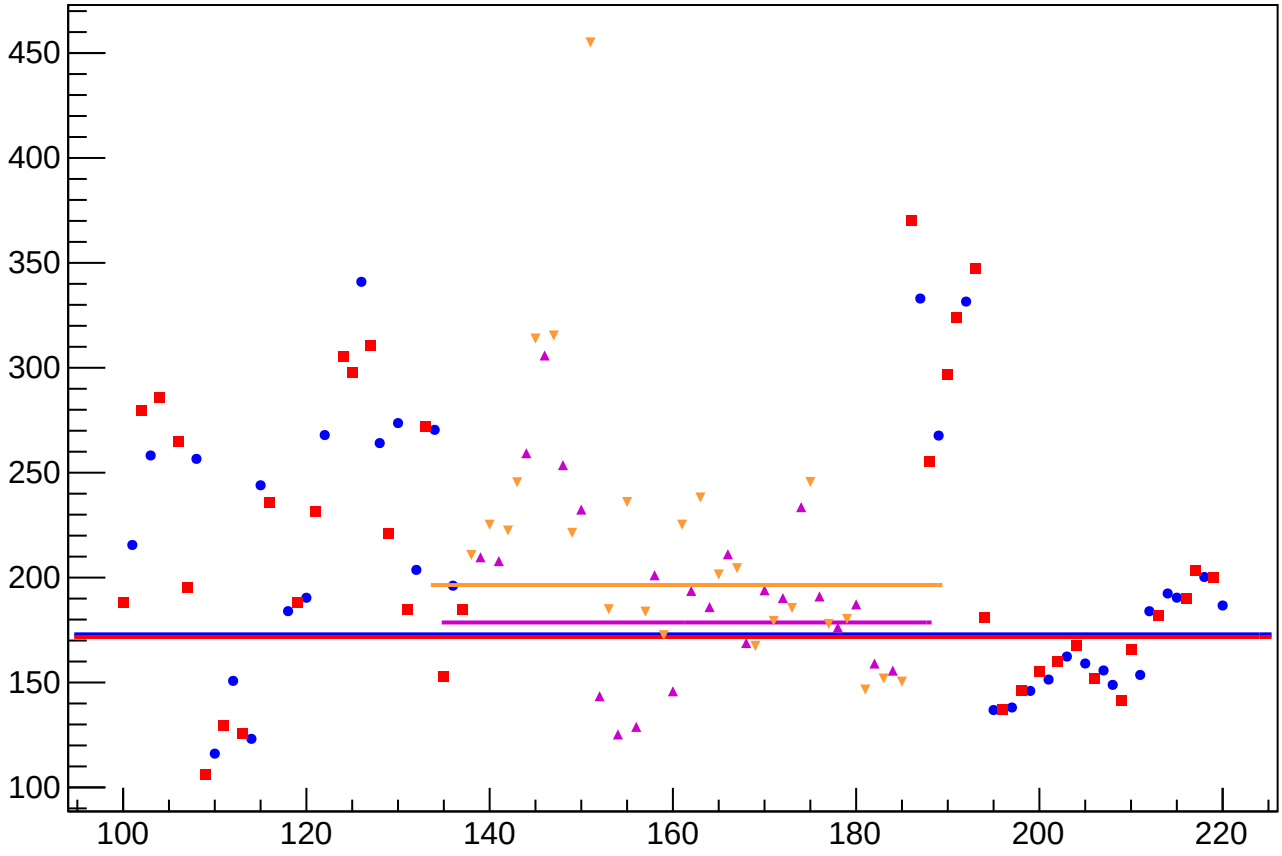
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign -68.902+/-29.885 χ^2/NDF: 81.0/57

All: 17.606+/-20.840 χ^2/NDF: 193.0/117

- sign 99.489+/-29.075 χ^2/NDF: 95.7/59

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 172.947+/-0.028 χ^2/NDF: 2375821.4/32

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 171.702+/-0.028 χ^2/NDF: 3107446.0/36

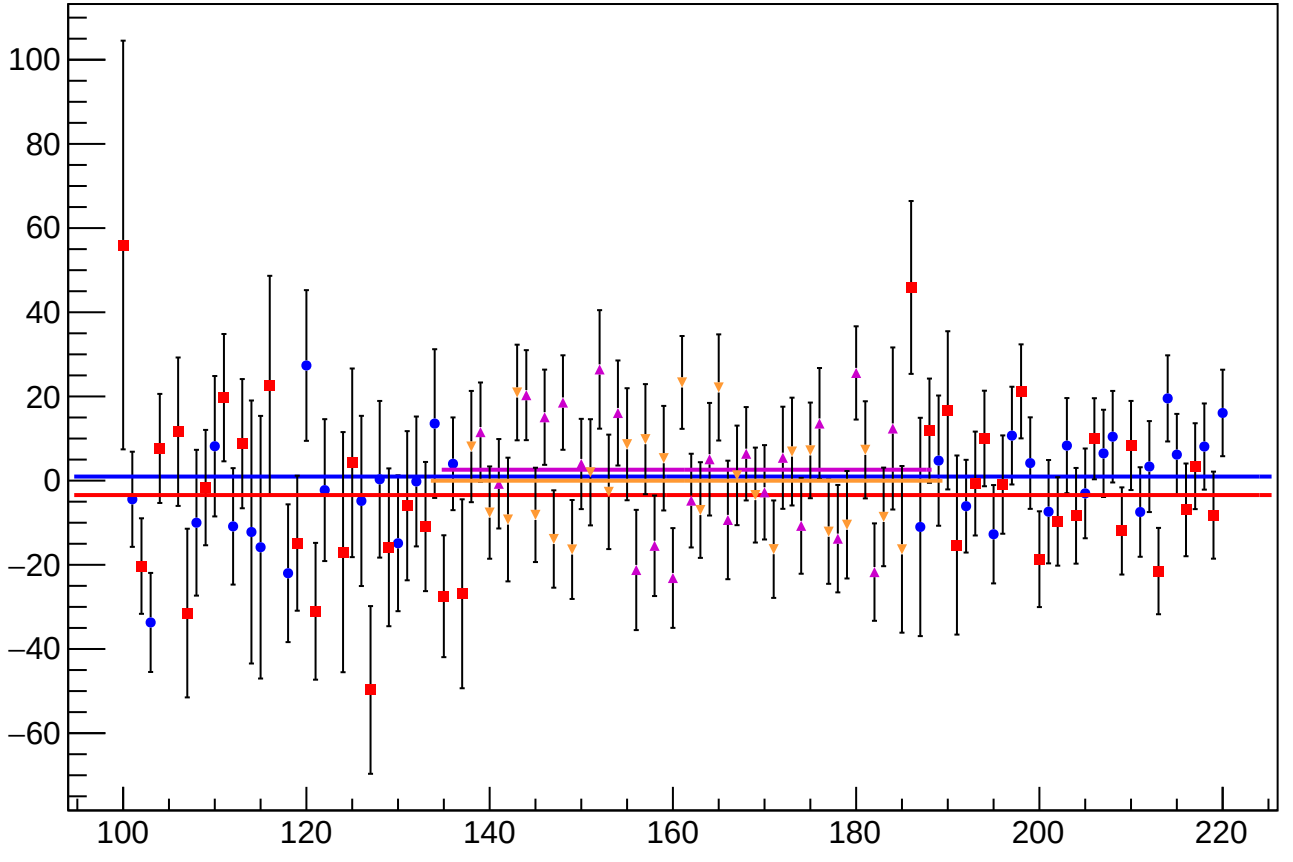
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 182.738+/-0.021 χ^2/NDF: 4495298.6/57

All: 178.645+/-0.015 χ^2/NDF: 9382542.2/117

- sign 174.770+/-0.021 χ^2/NDF: 4814203.6/59

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs Slug



Right In: 0.968+/-2.241 χ^2/NDF: 28.3/32

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.428+/-2.238 χ^2/NDF: 50.0/36

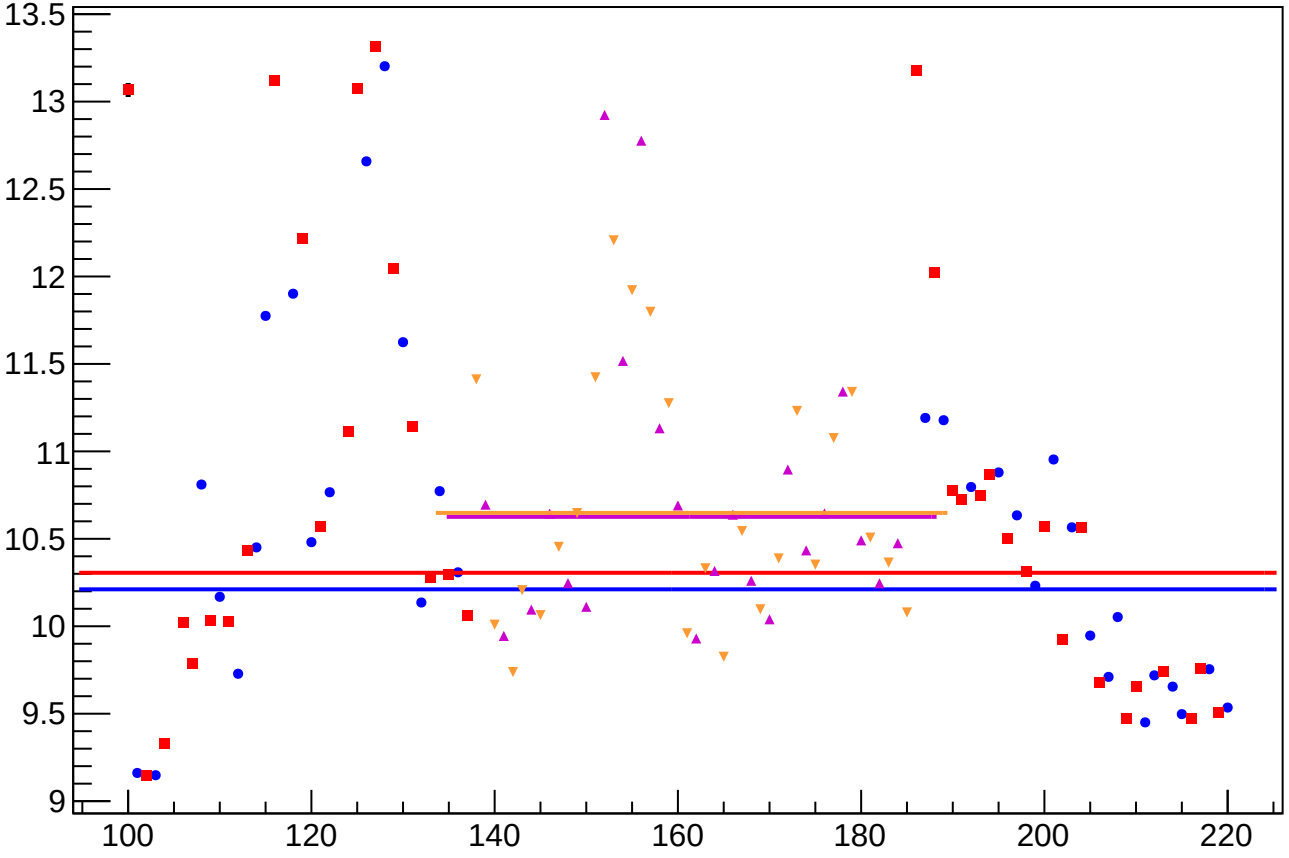
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign 0.518+/-1.652 χ^2/NDF: 52.2/57

All: -0.113+/-1.174 χ^2/NDF: 140.4/117

- sign -0.757+/-1.669 χ^2/NDF: 87.9/59

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.211+/-0.002 χ^2/NDF: 250948.3/32

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

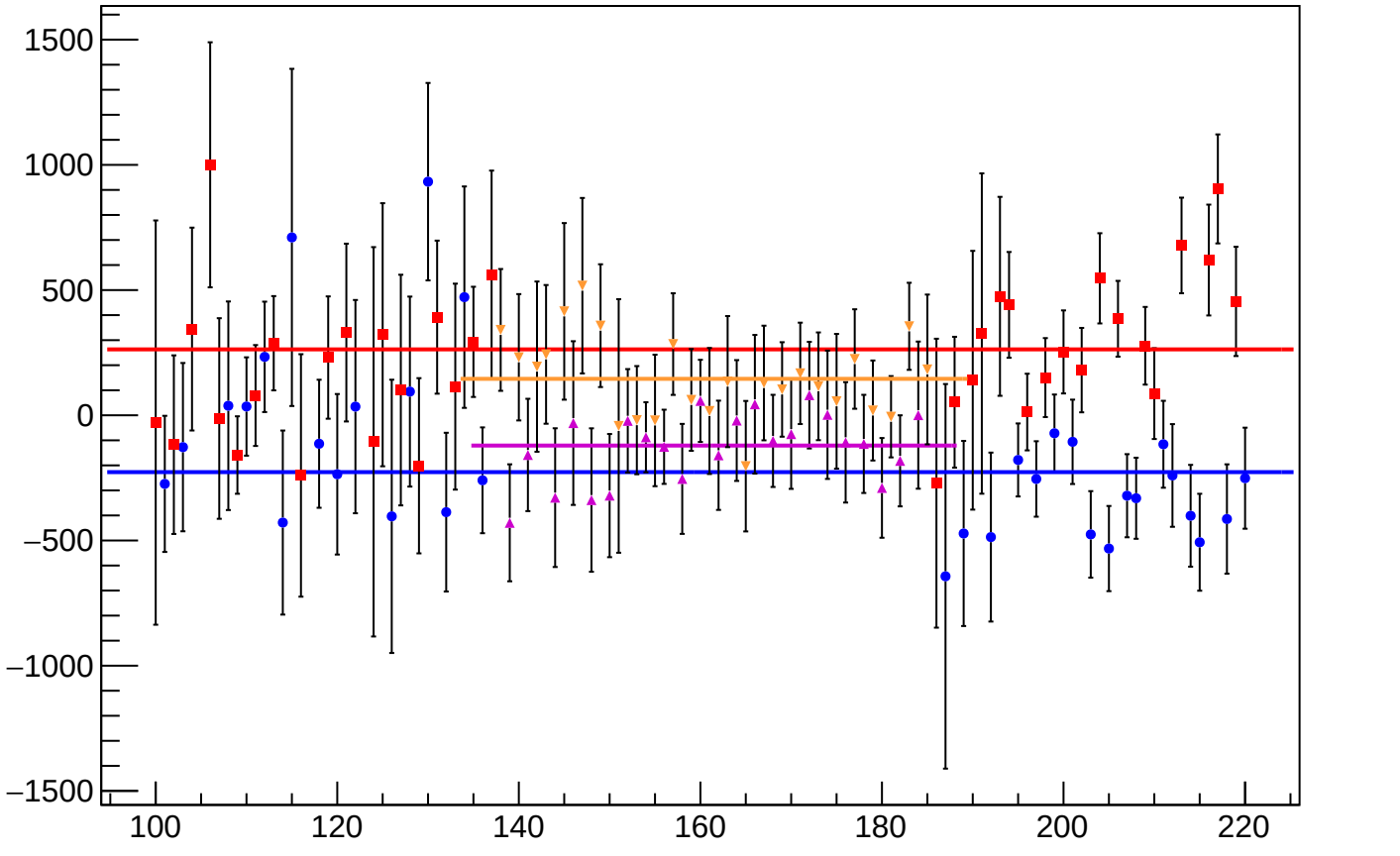
Right Out: 10.306+/-0.002 χ^2/NDF: 351007.5/36

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.411+/-0.001 χ^2/NDF: 429236.1/57

All: 10.429+/-0.001 χ^2/NDF: 958414.6/117

- sign 10.448+/-0.001 χ^2/NDF: 528680.6/59



Right In: -226.975+/-39.195 χ^2/NDF: 34.8/32

Left Out: 145.545+/-46.613 χ^2/NDF:10.3/24

Right Out: 263.210+/-39.095 χ^2/NDF: 43.3/36

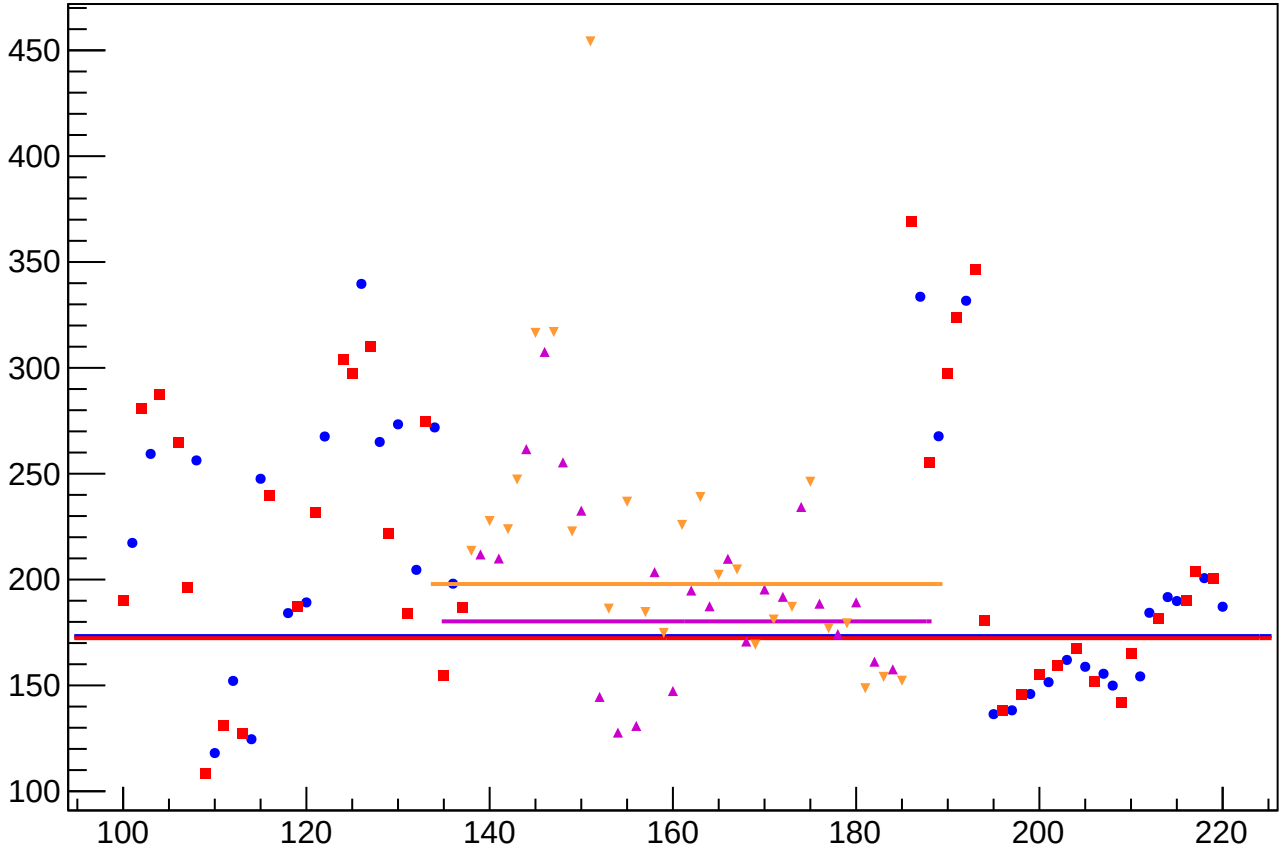
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

+ sign -72.680+/-29.999 χ^2/NDF: 82.4/57

All: 12.703+/-20.933 χ^2/NDF: 192.4/117

- sign 93.729+/-29.224 χ^2/NDF: 94.1/59

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.299+/-0.028 χ^2/NDF: 2364119.0/32

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

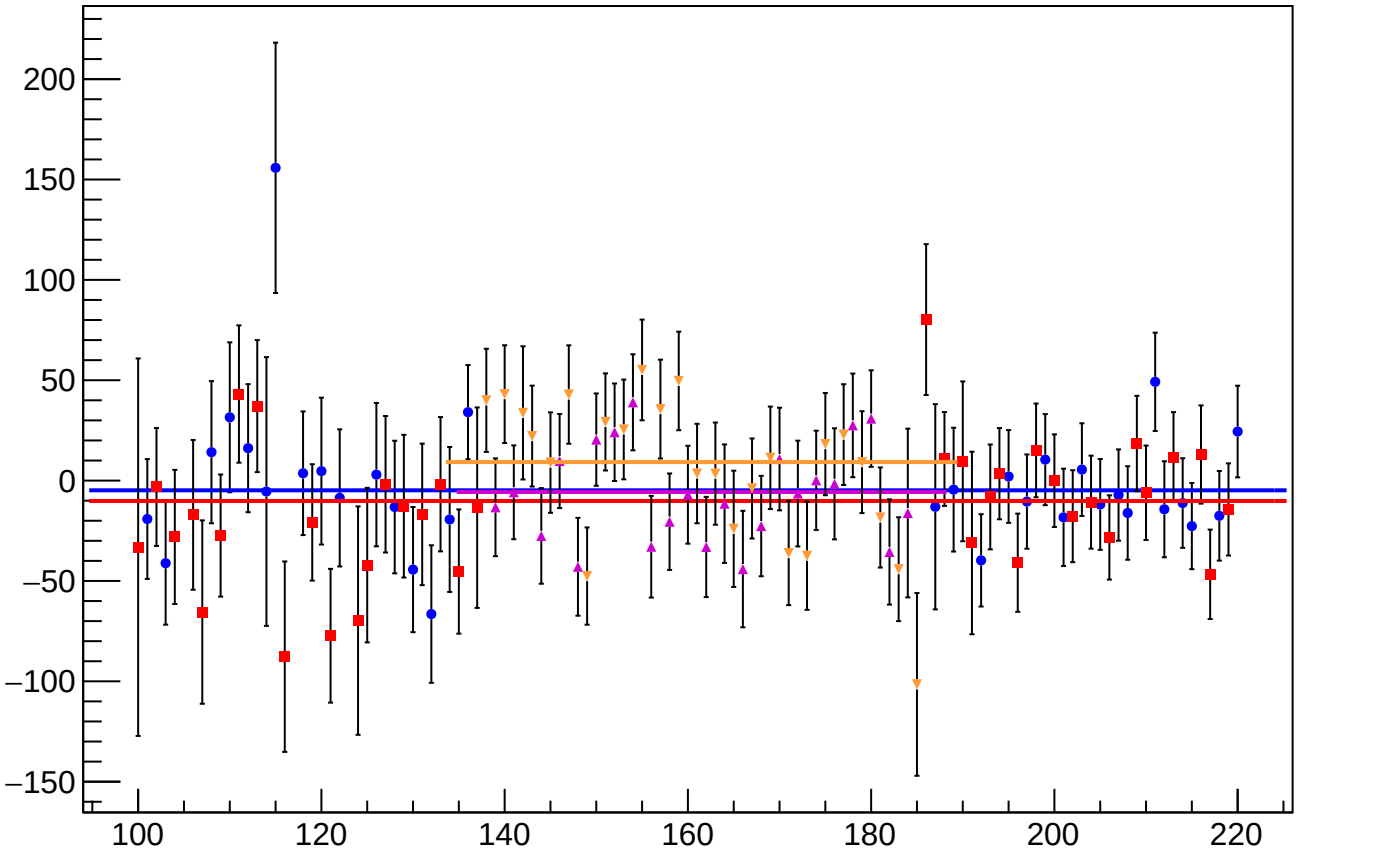
Right Out: 172.315+/-0.028 χ^2/NDF: 3053674.4/36

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 183.484+/-0.021 χ^2/NDF: 4479056.5/57

All: 179.549+/-0.015 χ^2/NDF: 9263913.5/117

- sign 175.815+/-0.021 χ^2/NDF: 4717789.1/59



Right In: -4.838+/-4.780 χ^2/NDF: 29.5/32

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -10.156+/-4.758 χ^2/NDF: 34.1/36

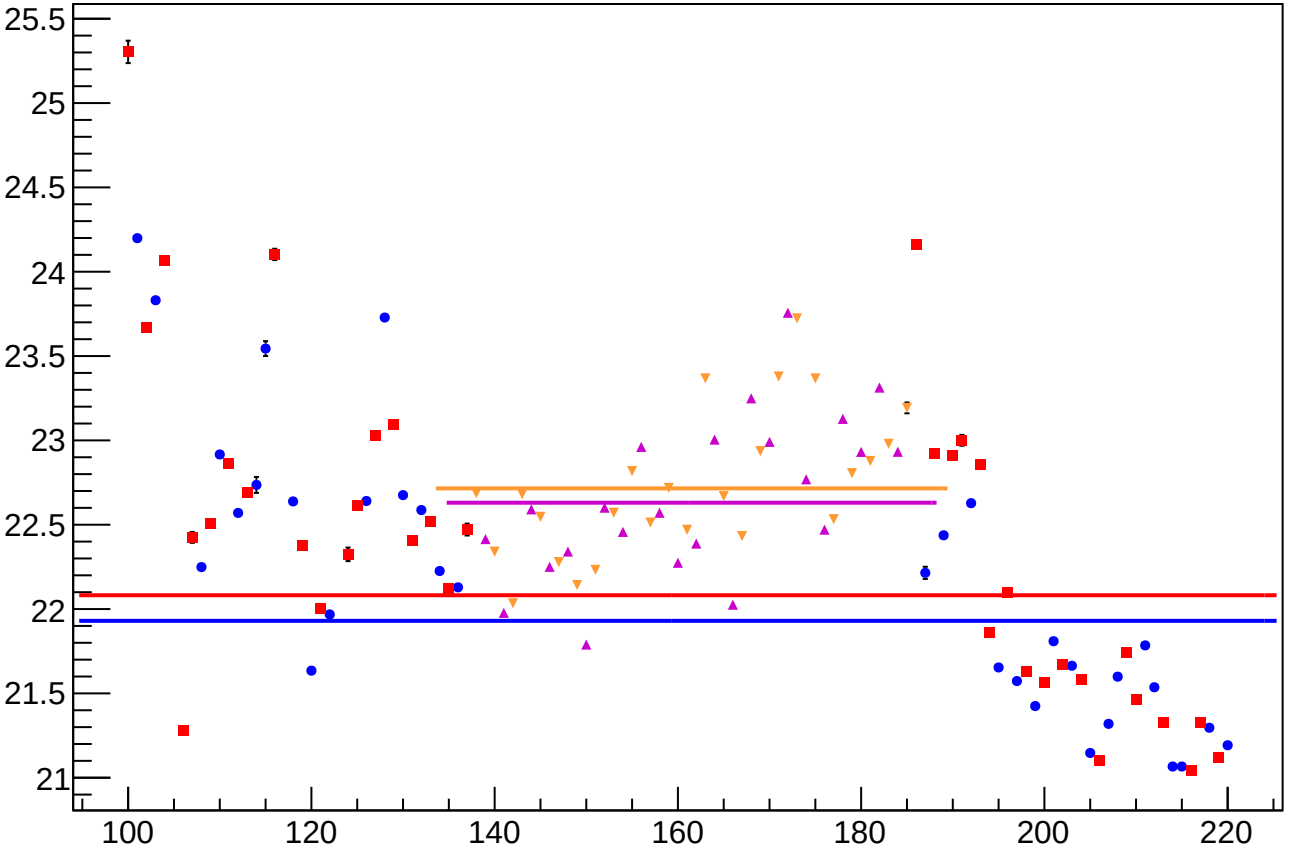
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 1.658+/-3.507 χ^2/NDF: 73.0/57

All: -3.204+/-2.490 χ^2/NDF: 132.1/117

- sign -8.148+/-3.536 χ^2/NDF: 55.3/59

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 21.930+/-0.003 χ^2/NDF: 52602.5/32

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

Right Out: 22.082+/-0.003 χ^2/NDF: 60030.4/36

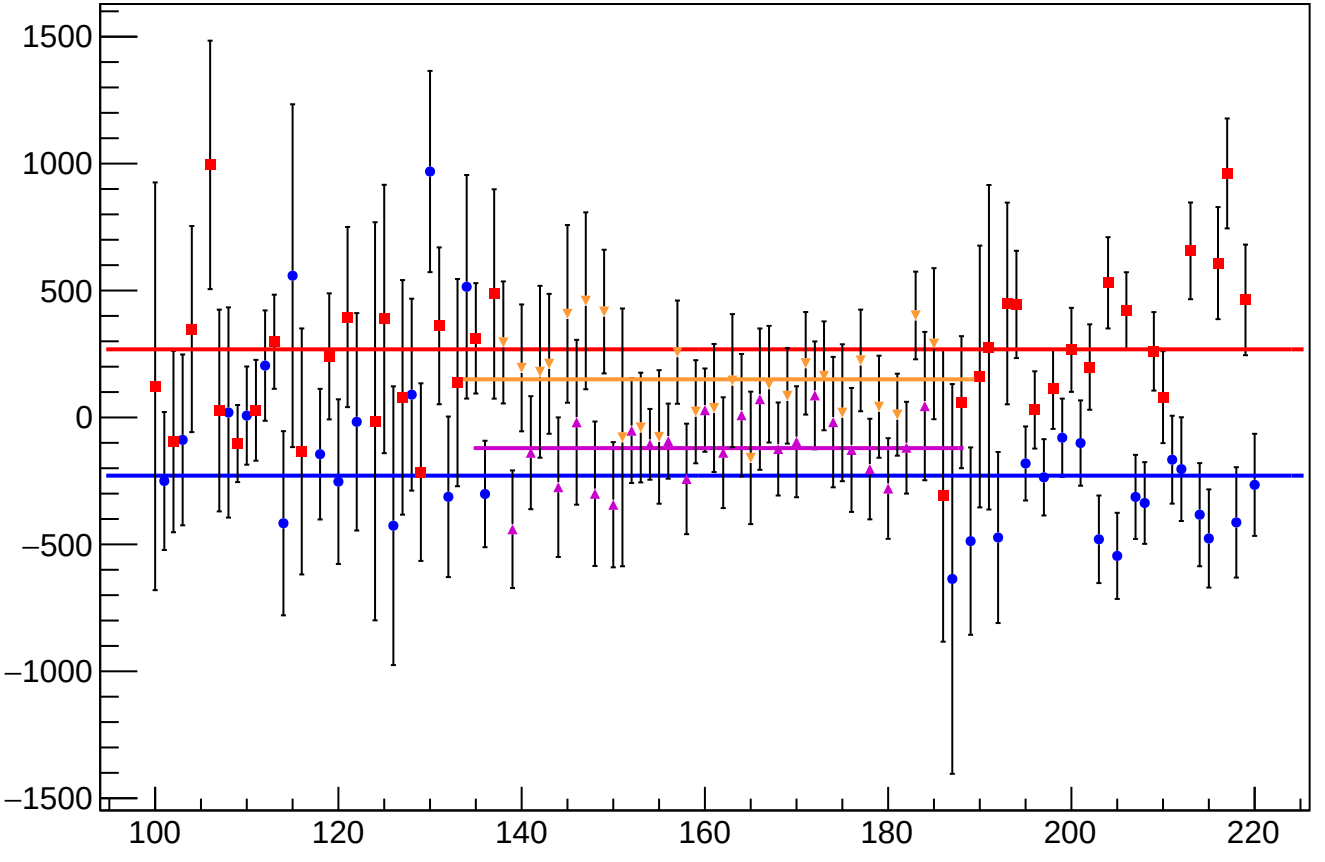
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.293+/-0.002 χ^2/NDF: 89698.6/57

All: 22.310+/-0.002 χ^2/NDF: 177119.9/117

- sign 22.327+/-0.003 χ^2/NDF: 87323.9/59

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs Slug



Right In: -229.214+/-39.081 χ^2/NDF: 33.3/32

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

Right Out: 268.392+/-38.940 χ^2/NDF: 42.7/36

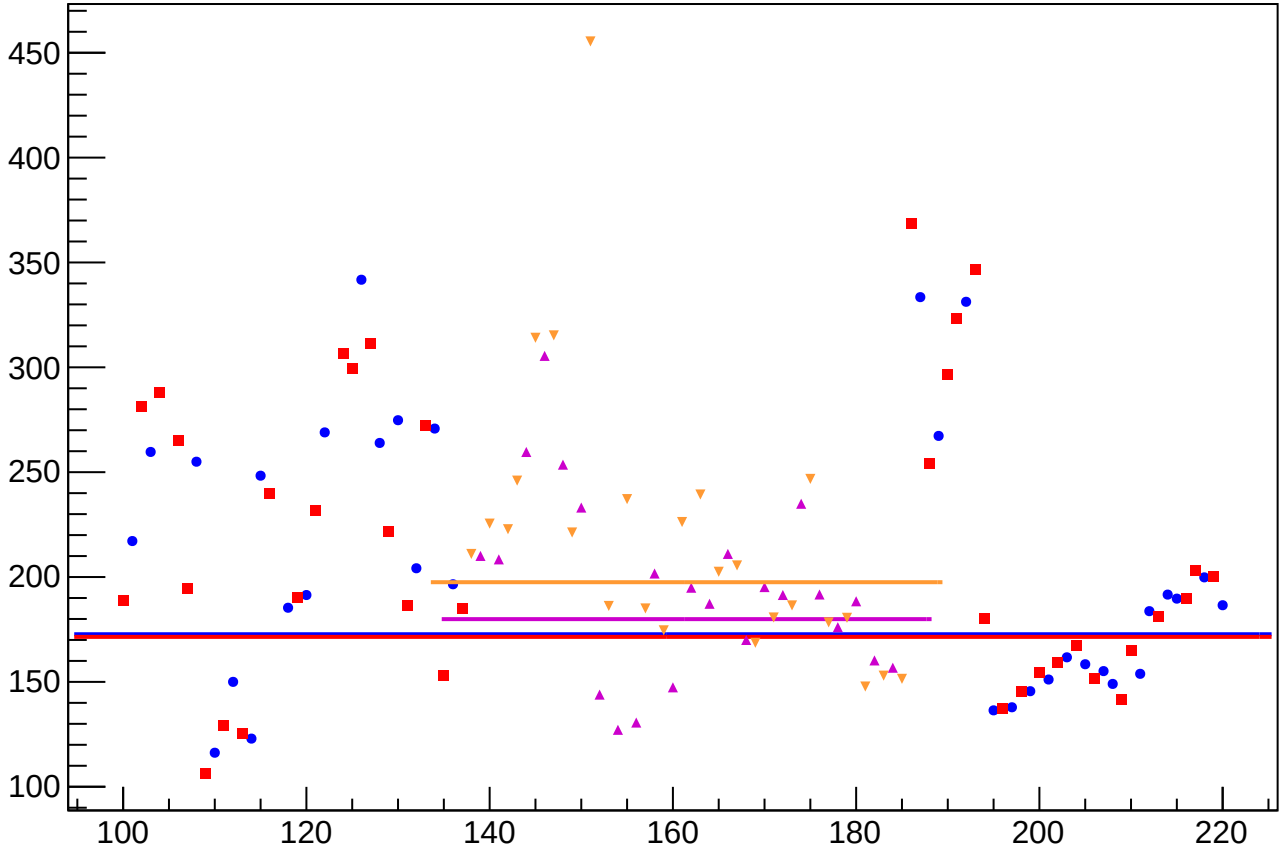
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -72.284+/-29.927 χ^2/NDF: 83.3/57

All: 14.683+/-20.877 χ^2/NDF: 194.3/117

- sign 97.119+/-29.137 χ^2/NDF: 94.6/59

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.719+/-0.028 χ^2/NDF: 2396462.9/32

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

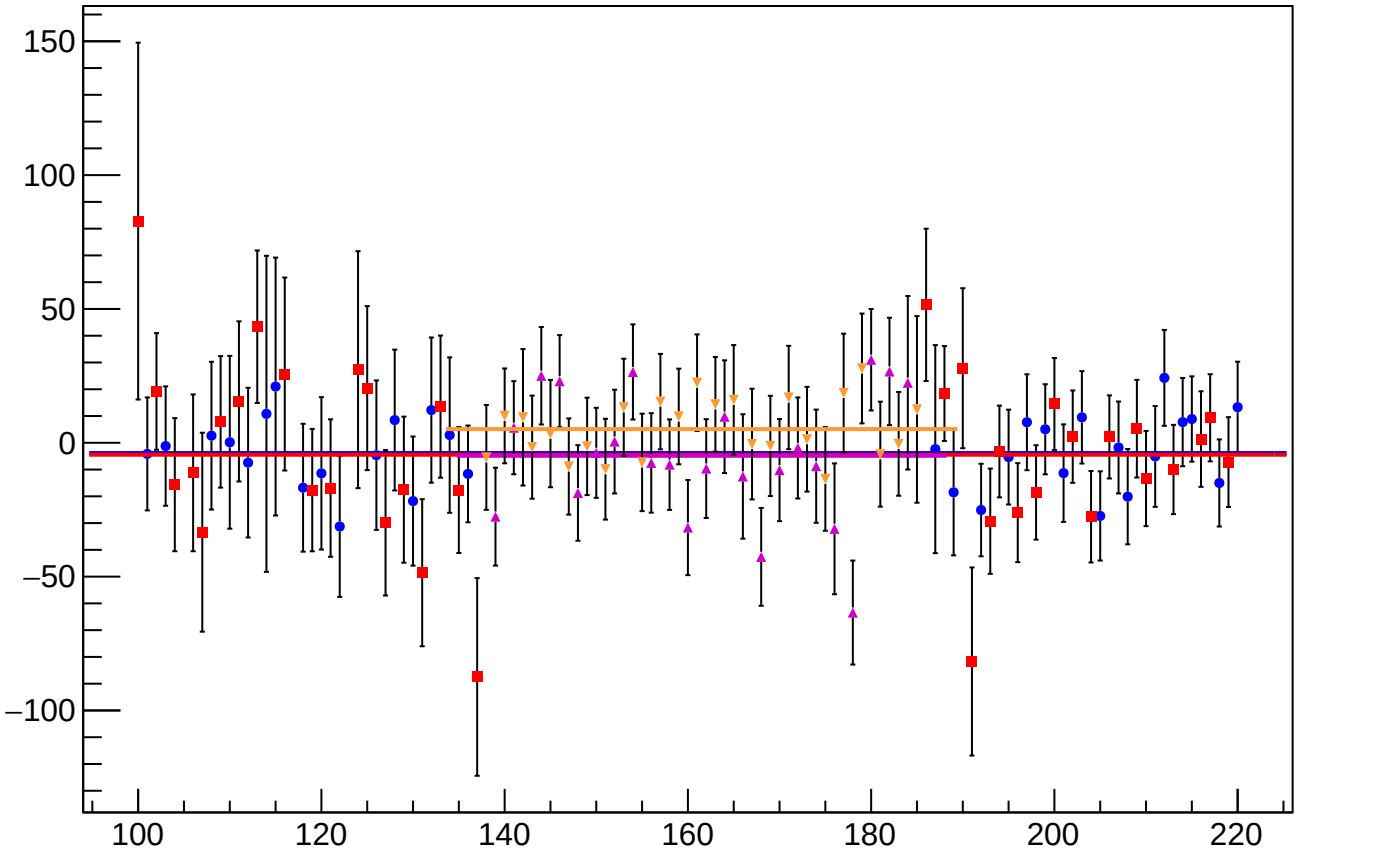
Right Out: 171.463+/-0.028 χ^2/NDF: 3127564.2/36

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 182.983+/-0.021 χ^2/NDF: 4519845.8/57

All: 178.980+/-0.015 χ^2/NDF: 9382781.2/117

- sign 175.187+/-0.021 χ^2/NDF: 4793260.0/59



Right In: -3.831+/-3.628 χ^2/NDF: 14.5/32

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

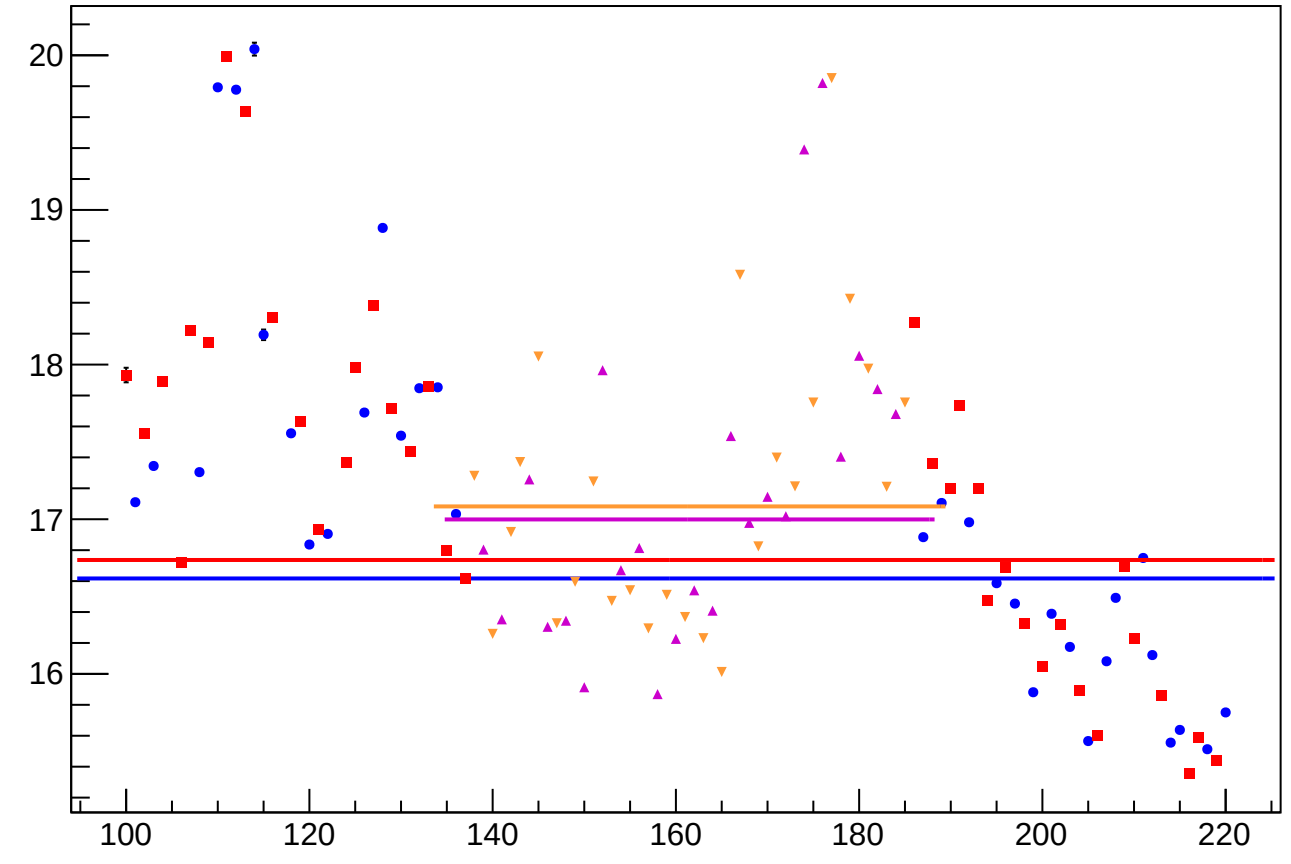
Right Out: -4.459+/-3.613 χ^2/NDF: 39.3/36

Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.333+/-2.653 χ^2/NDF: 25.3/57

All: -2.133+/-1.884 χ^2/NDF: 101.8/117

- sign -4.639+/-2.675 χ^2/NDF: 74.8/59



Right In: 16.617+/-0.003 χ^2/NDF: 140577.7/32

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

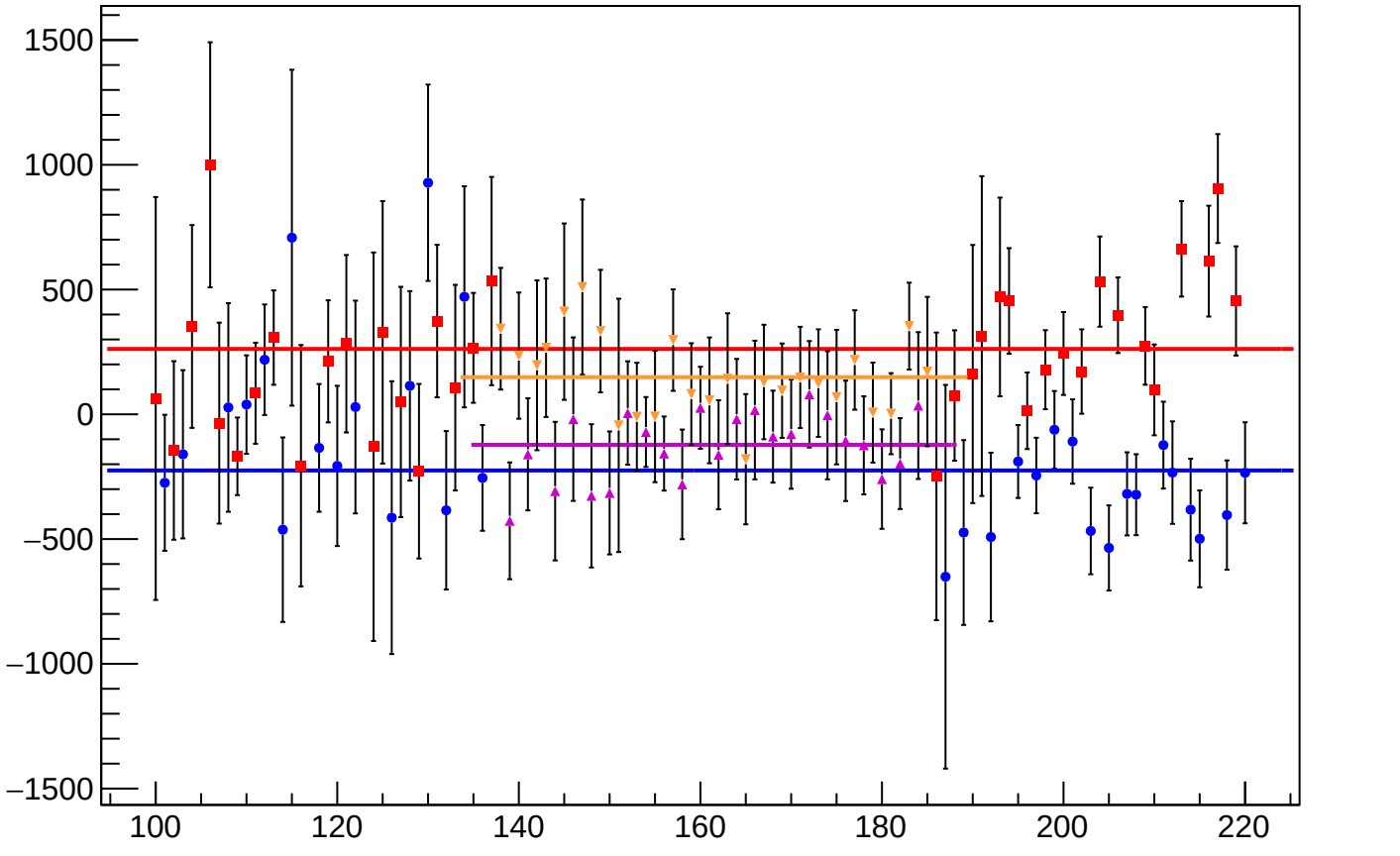
Right Out: 16.737+/-0.003 χ^2/NDF: 161395.5/36

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 16.834+/-0.002 χ^2/NDF: 252690.8/57

All: 16.844+/-0.001 χ^2/NDF: 522929.8/117

- sign 16.855+/-0.002 χ^2/NDF: 270175.9/59



Right In: -225.067+/-39.314 χ^2/NDF: 33.9/32

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 262.026+/-39.212 χ^2/NDF: 42.6/36

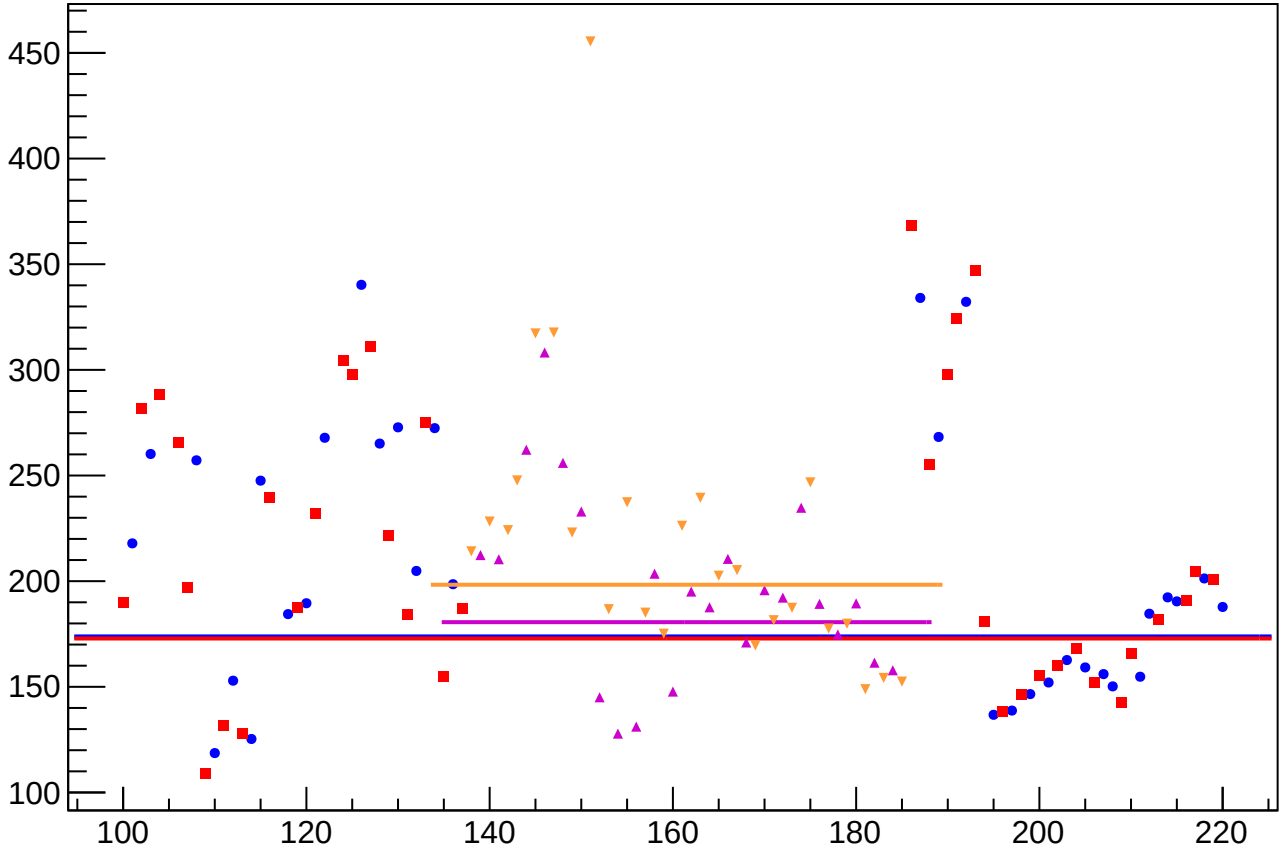
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

\+ sign -70.075+/-30.079 χ^2/NDF: 80.9/57

All: 13.209+/-20.988 χ^2/NDF: 188.8/117

\- sign 92.221+/-29.298 χ^2/NDF: 93.0/59

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 173.852+/-0.028 χ^2/NDF: 2351339.7/32

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

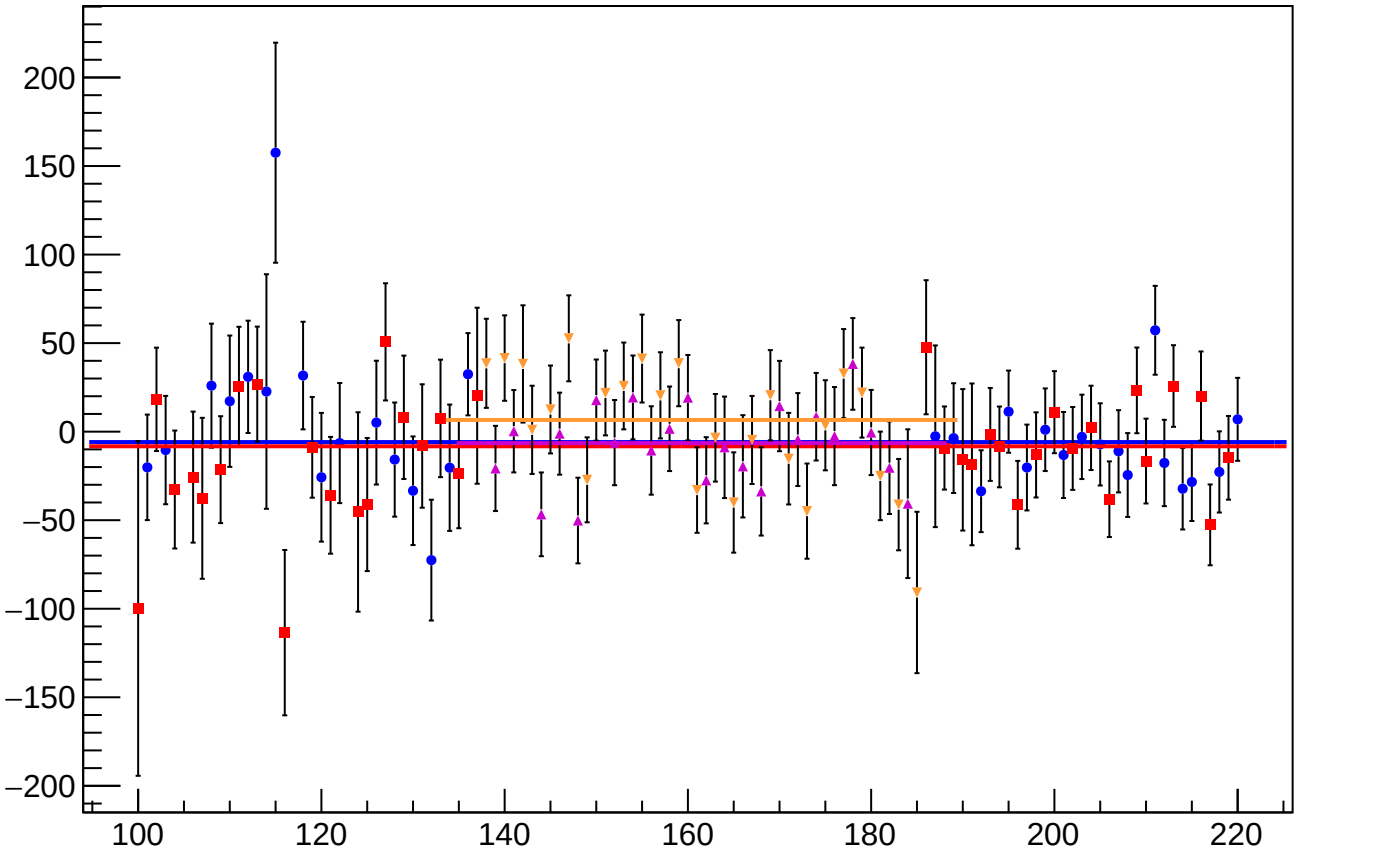
Right Out: 172.866+/-0.028 χ^2/NDF: 3035159.2/36

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 183.994+/-0.021 χ^2/NDF: 4462649.3/57

All: 180.037+/-0.015 χ^2/NDF: 9227697.4/117

- sign 176.283+/-0.021 χ^2/NDF: 4697609.0/59



Right In: -5.881+/-4.831 χ^2/NDF: 32.4/32

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

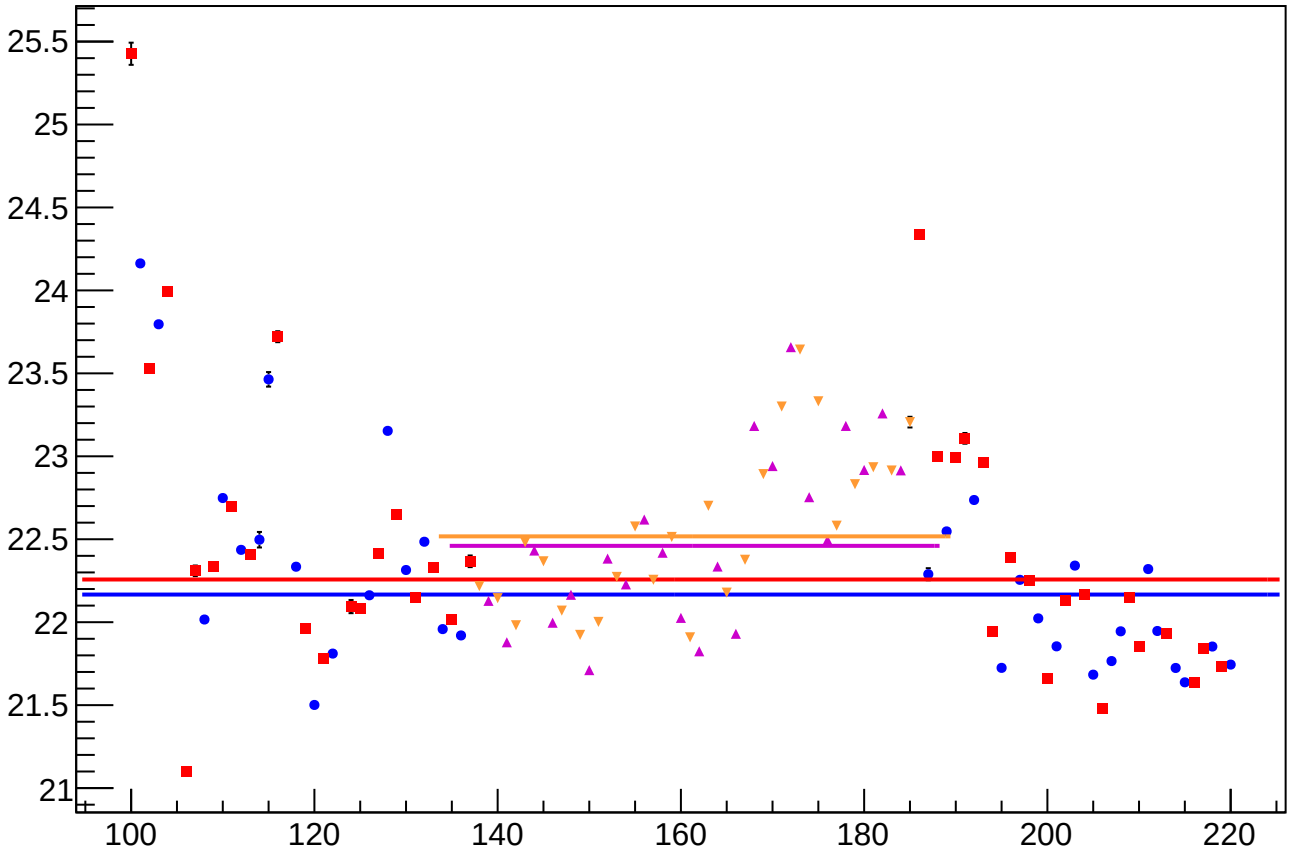
Right Out: -8.272+/-4.795 χ^2/NDF: 32.6/36

Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 0.005+/-3.513 χ^2/NDF: 72.5/57

All: -3.698+/-2.493 χ^2/NDF: 124.8/117

- sign -7.457+/-3.539 χ^2/NDF: 50.1/59



Right In: 22.167+/-0.003 χ^2/NDF: 27168.4/32

Left Out: 22.517+/-0.004 χ^2/NDF:16002.5/24

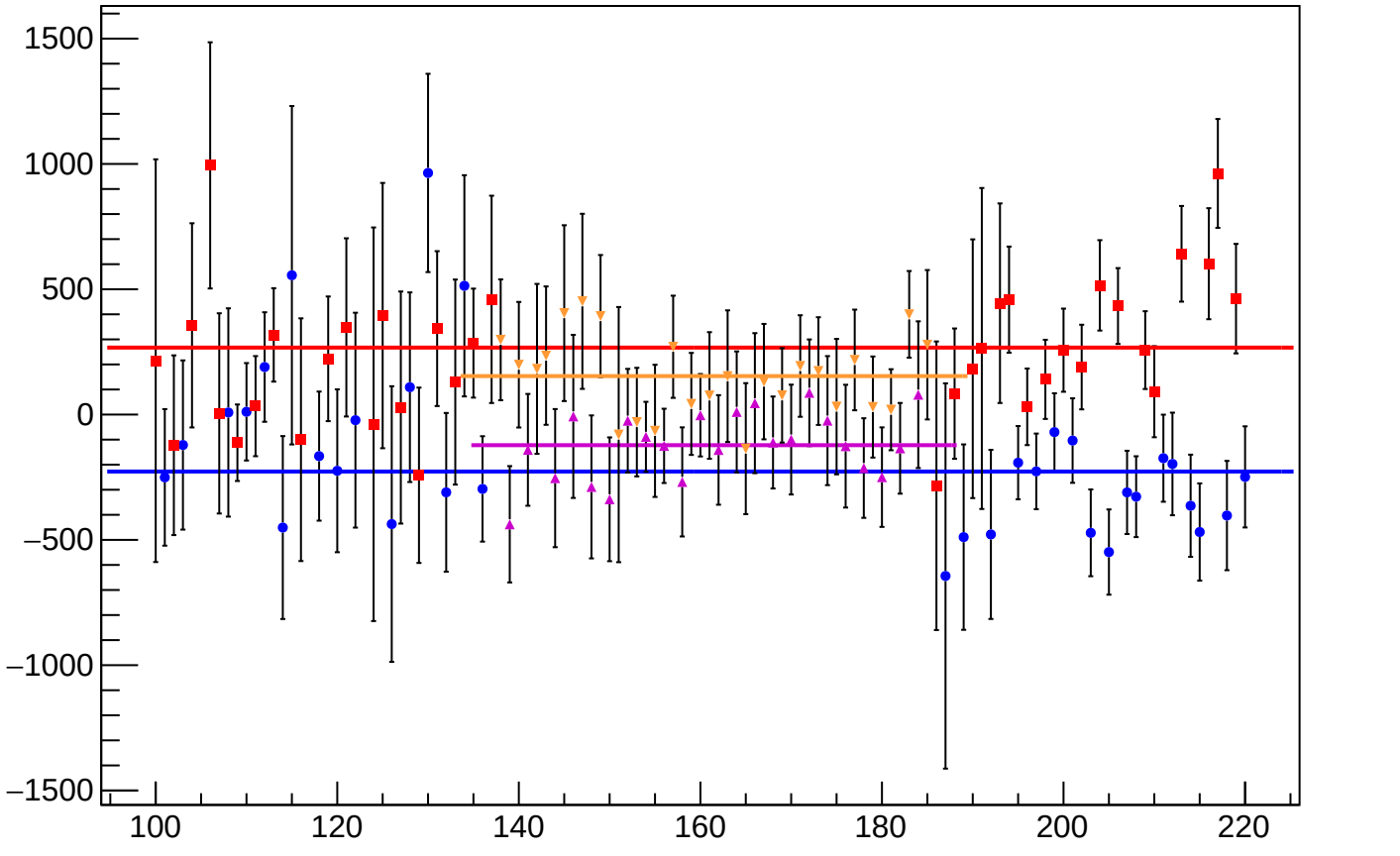
Right Out: 22.257+/-0.003 χ^2/NDF: 36187.9/36

Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.332+/-0.002 χ^2/NDF: 48140.3/57

All: 22.341+/-0.002 χ^2/NDF: 105099.7/117

- sign 22.350+/-0.003 χ^2/NDF: 56934.0/59



Right In: -227.327+/-39.201 χ^2/NDF: 32.5/32

Left Out: 153.507+/-46.636 χ^2/NDF:10.1/24

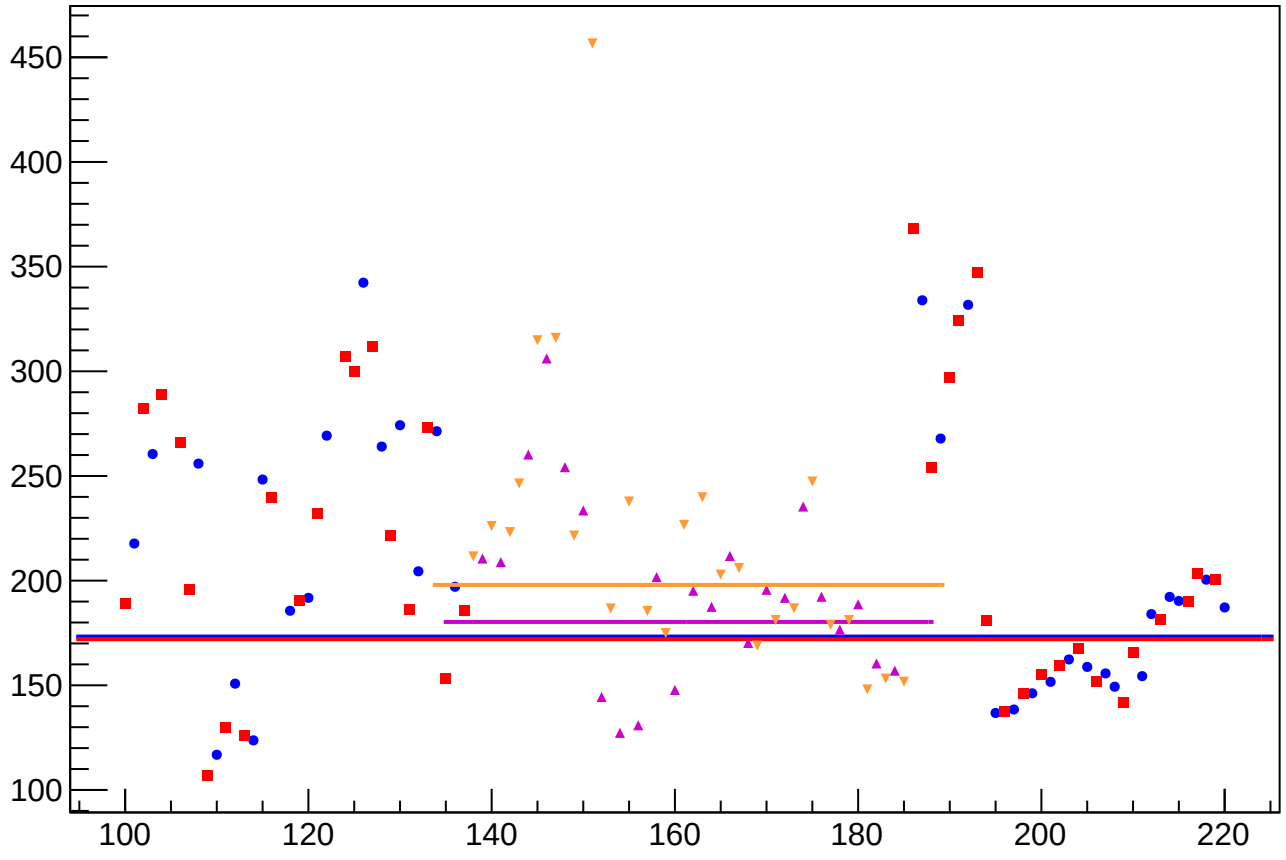
Right Out: 267.242+/-39.058 χ^2/NDF: 42.1/36

Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -69.653+/-30.008 χ^2/NDF: 81.7/57

All: 15.224+/-20.931 χ^2/NDF: 190.6/117

- sign 95.656+/-29.211 χ^2/NDF: 93.3/59



Right In: 173.276+/-0.028 χ^2/NDF: 2383172.5/32

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

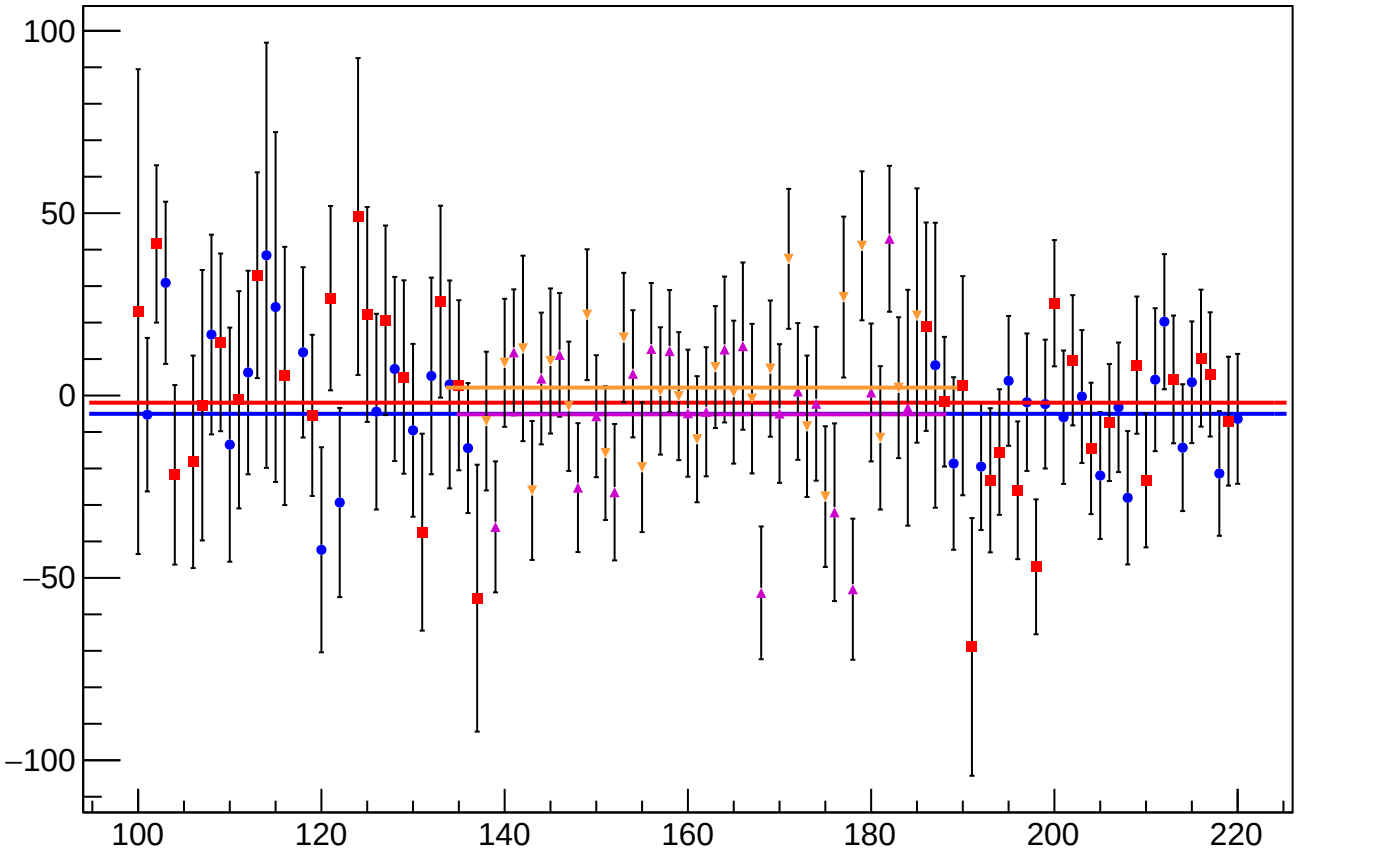
Right Out: 172.020+/-0.028 χ^2/NDF: 3108125.6/36

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 183.495+/-0.021 χ^2/NDF: 4502764.7/57

All: 179.471+/-0.015 χ^2/NDF: 9344981.0/117

- sign 175.657+/-0.021 χ^2/NDF: 4772165.7/59



Right In: -5.013+/-3.699 χ^2/NDF: 16.0/32

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

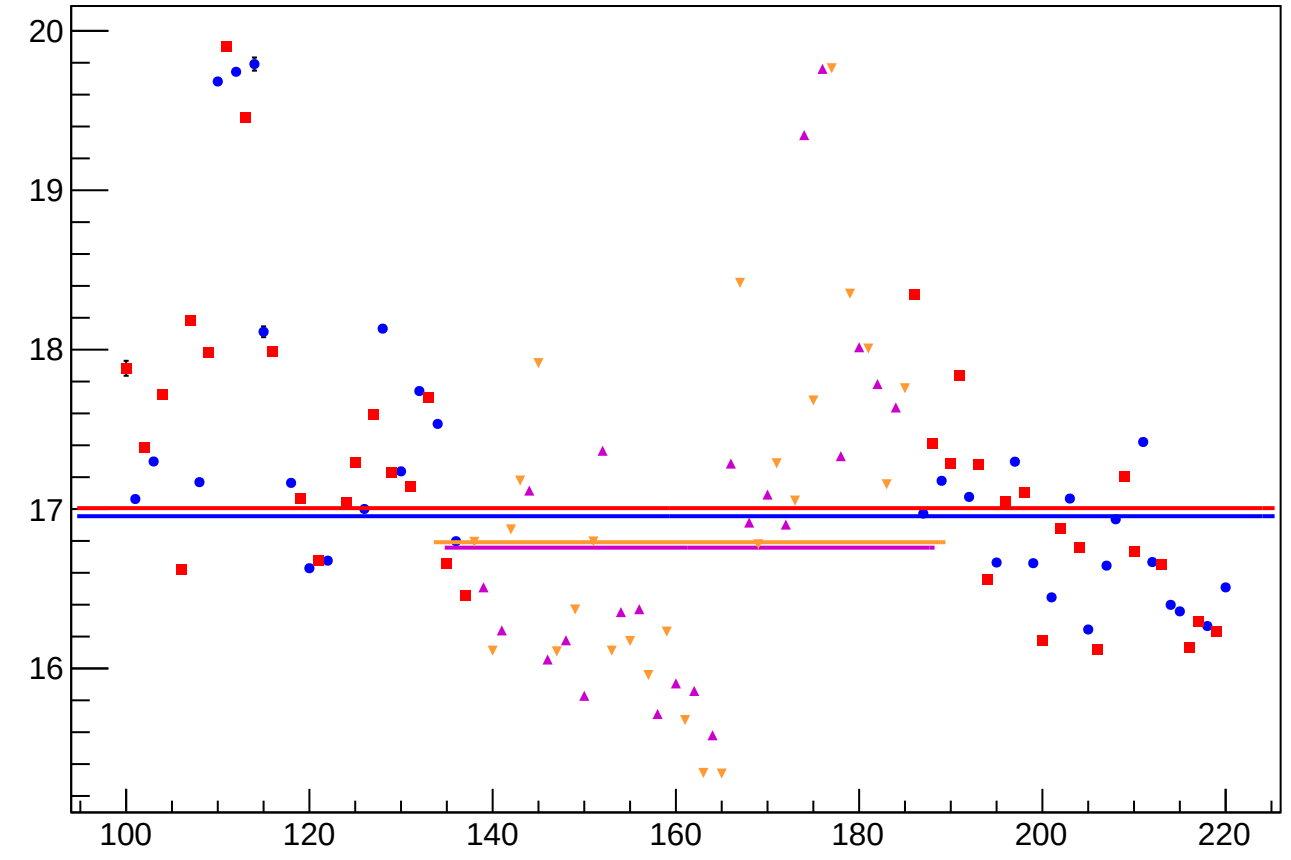
Right Out: -1.961+/-3.668 χ^2/NDF: 35.9/36

Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -1.539+/-2.659 χ^2/NDF: 37.8/57

All: -2.486+/-1.887 χ^2/NDF: 106.5/117

- sign -3.448+/-2.679 χ^2/NDF: 68.5/59



Right In: 16.955+/-0.003 χ^2/NDF: 67252.2/32

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

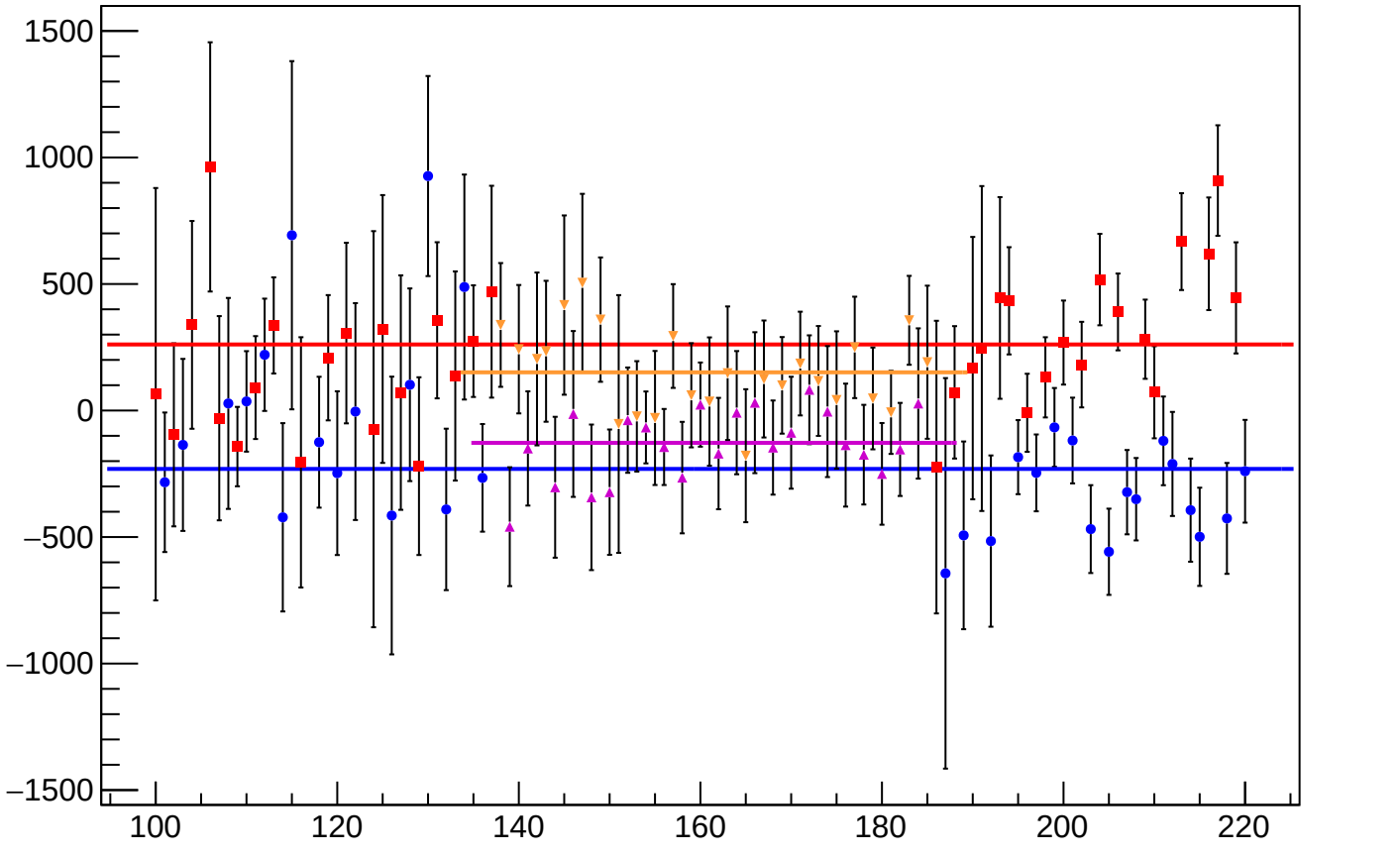
Right Out: 17.006+/-0.003 χ^2/NDF: 80656.9/36

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.876+/-0.002 χ^2/NDF: 206133.6/57

All: 16.883+/-0.001 χ^2/NDF: 414383.6/117

- sign 16.890+/-0.002 χ^2/NDF: 208223.2/59



Right In: -230.840+/-39.428 χ^2/NDF: 34.6/32

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 261.020+/-39.334 χ^2/NDF: 41.3/36

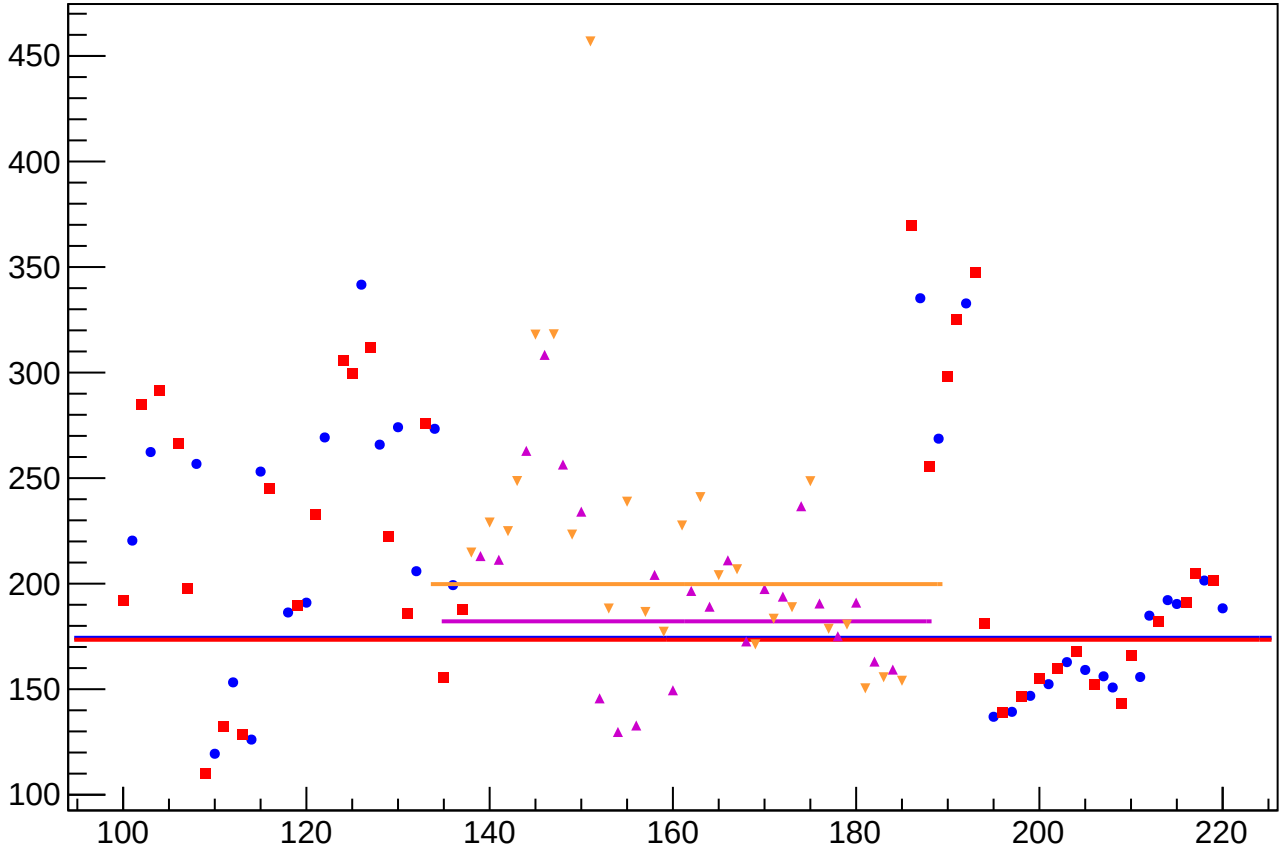
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign -73.306+/-30.216 χ^2/NDF: 83.3/57

All: 10.546+/-21.090 χ^2/NDF: 190.3/117

- sign 90.201+/-29.450 χ^2/NDF: 92.0/59

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 174.352+/-0.028 χ^2/NDF: 2356987.8/32

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

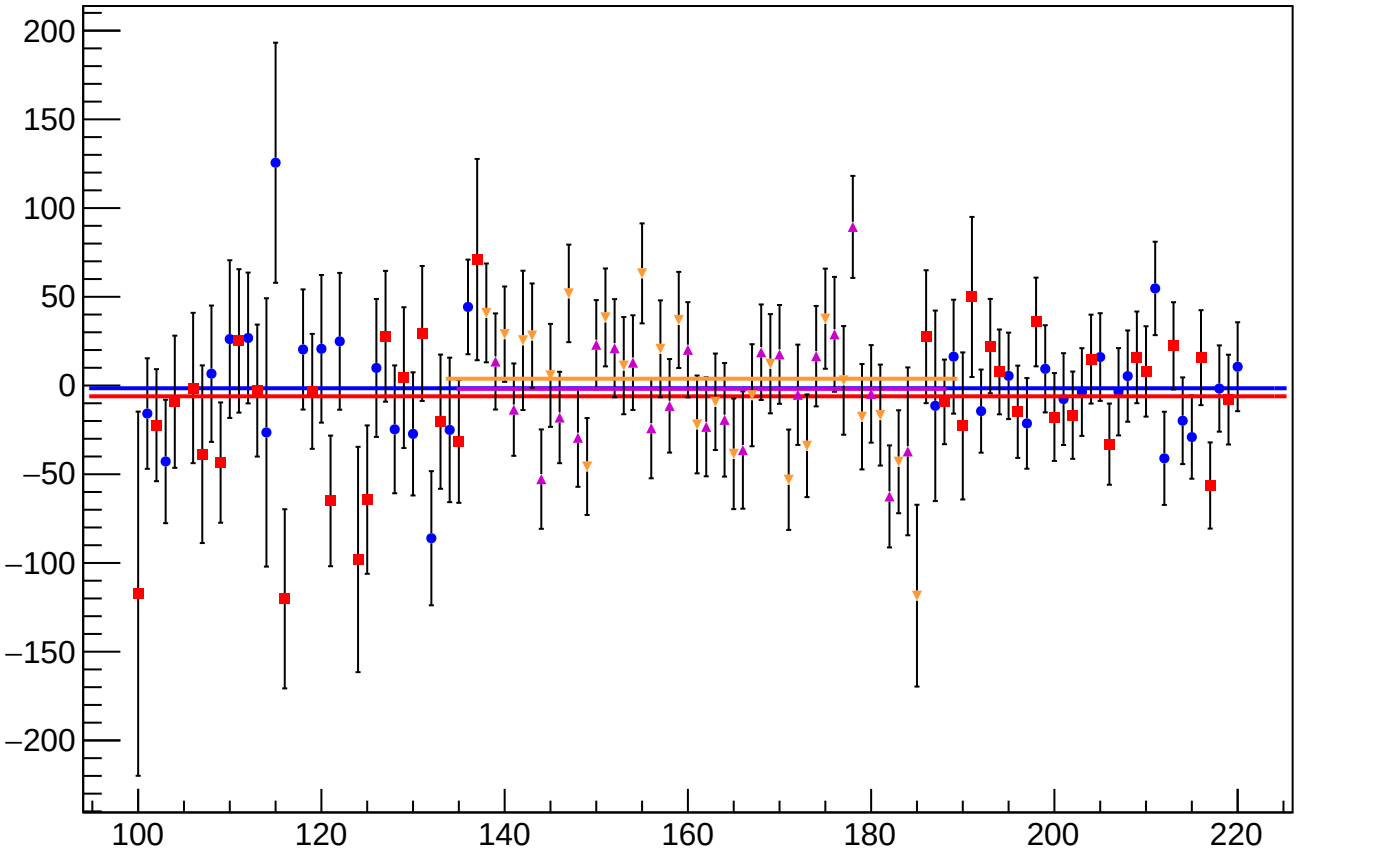
Right Out: 173.427+/-0.028 χ^2/NDF: 3036505.4/36

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 184.848+/-0.021 χ^2/NDF: 4460753.3/57

All: 180.957+/-0.015 χ^2/NDF: 9189509.3/117

- sign 177.260+/-0.021 χ^2/NDF: 4664084.0/59



Right In: -1.542+/-5.207 χ^2/NDF: 28.0/32

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: -6.078+/-5.149 χ^2/NDF: 36.5/36

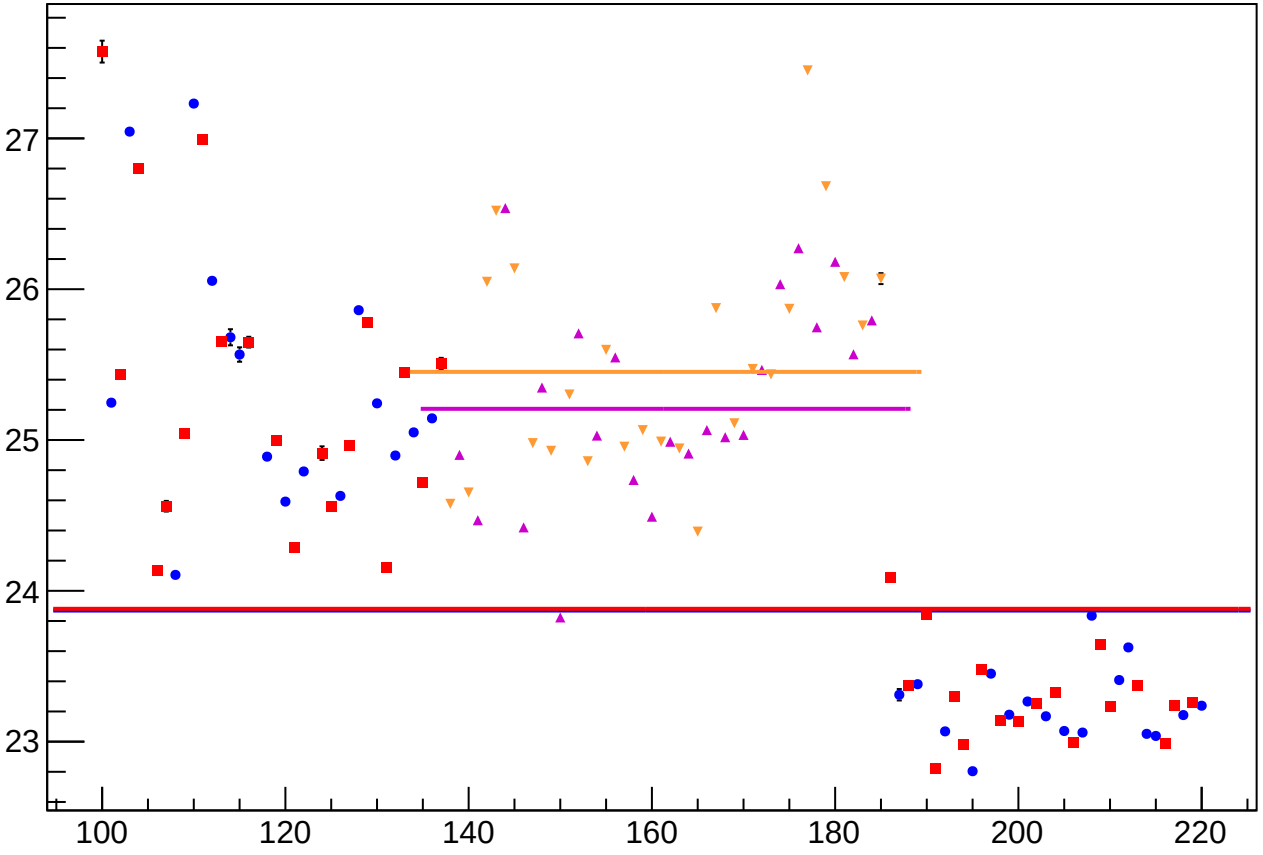
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 0.861+/-3.871 χ^2/NDF: 66.1/57

All: -1.689+/-2.740 χ^2/NDF: 131.7/117

- sign -4.247+/-3.877 χ^2/NDF: 64.8/59

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 23.869+/-0.004 χ^2/NDF: 87196.7/32

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

Right Out: 23.881+/-0.004 χ^2/NDF: 80045.1/36

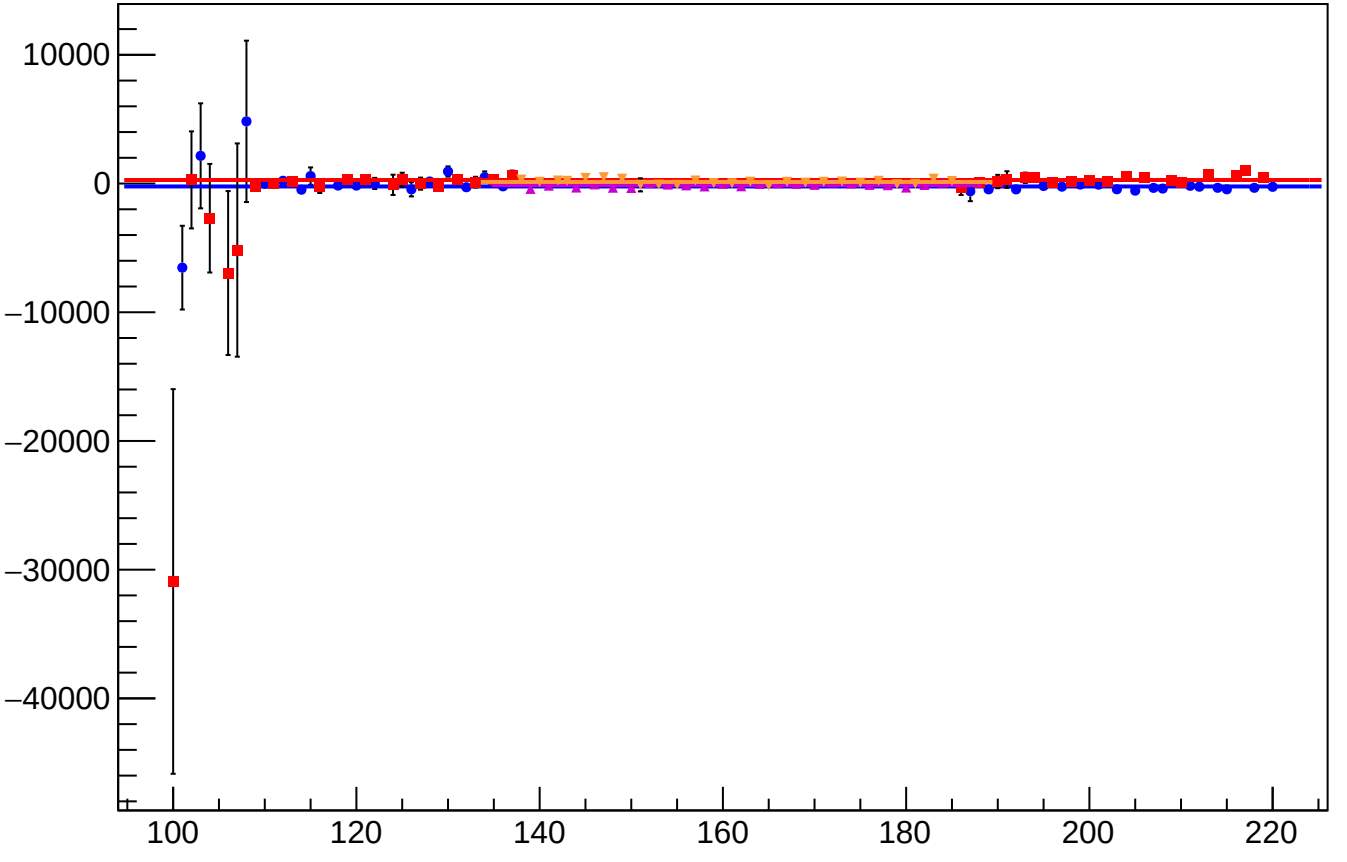
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.577+/-0.003 χ^2/NDF: 199418.8/57

All: 24.516+/-0.002 χ^2/NDF: 363717.3/117

- sign 24.455+/-0.003 χ^2/NDF: 163301.4/59

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs Slug



Right In: -226.828+/-40.985 χ^2/NDF: 35.3/32

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

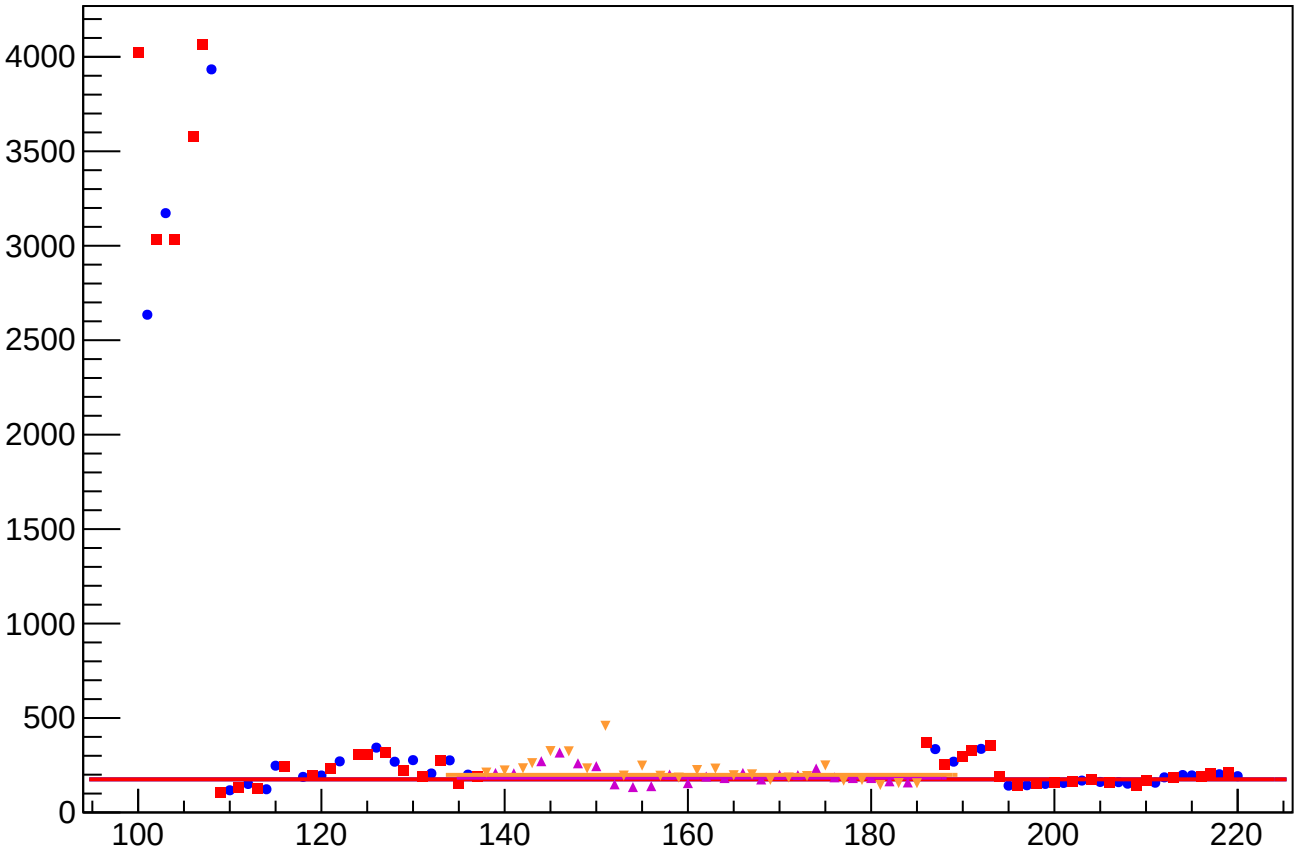
Right Out: 276.074+/-41.344 χ^2/NDF: 46.4/36

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign -74.511+/-30.869 χ^2/NDF: 78.4/57

All: 11.761+/-21.662 χ^2/NDF: 189.6/117

- sign 95.461+/-30.405 χ^2/NDF: 95.9/59



Right In: 175.238+/-0.029 χ^2/NDF: 4983603.9/32

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

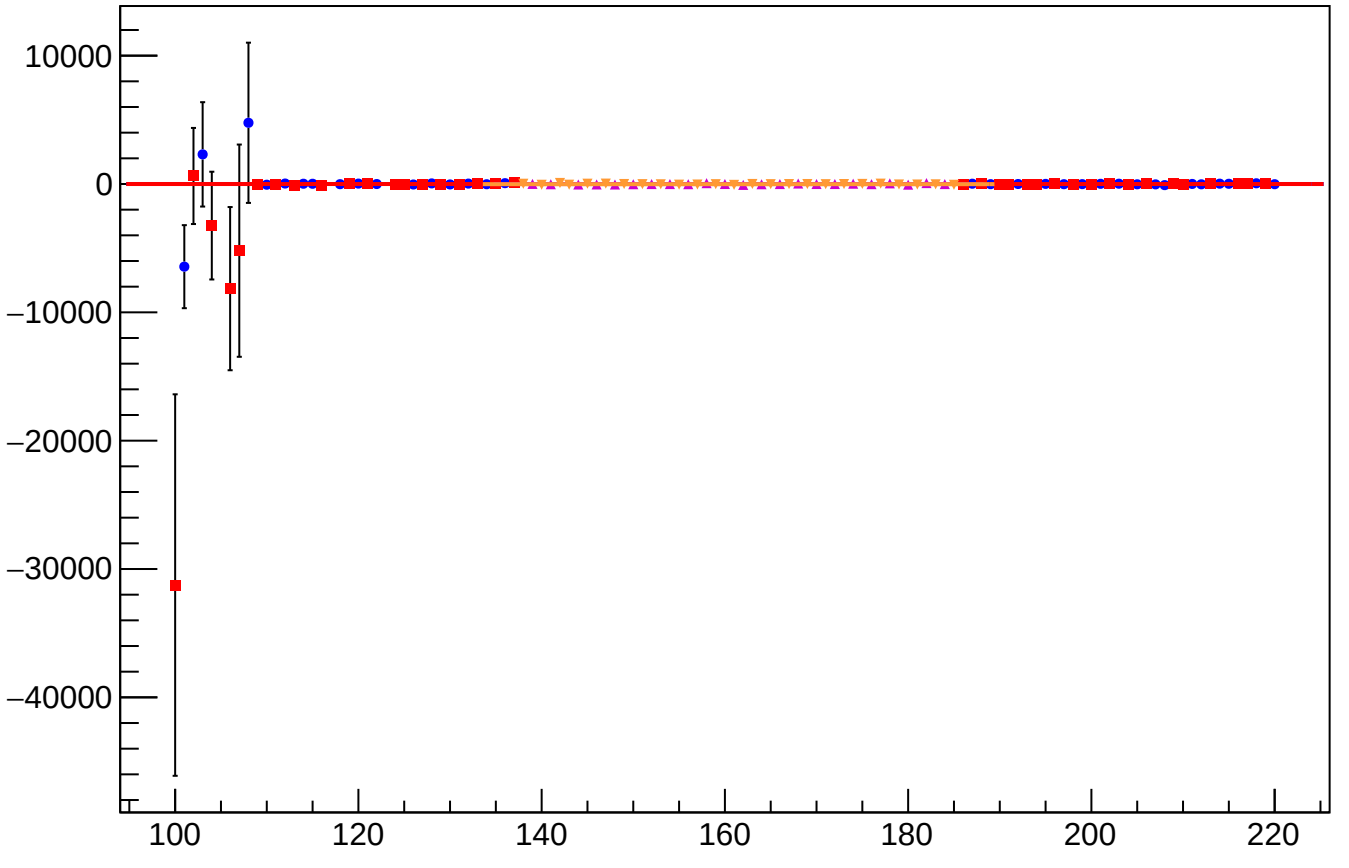
Right Out: 175.248+/-0.029 χ^2/NDF: 5693751.9/36

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 185.518+/-0.022 χ^2/NDF: 7176532.0/57

All: 182.438+/-0.015 χ^2/NDF: 14400798.1/11

- sign 179.450+/-0.021 χ^2/NDF: 7185040.1/59



Right In: 0.354+/-6.218 χ^2/NDF: 34.6/32

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -2.084+/-6.233 χ^2/NDF: 43.4/36

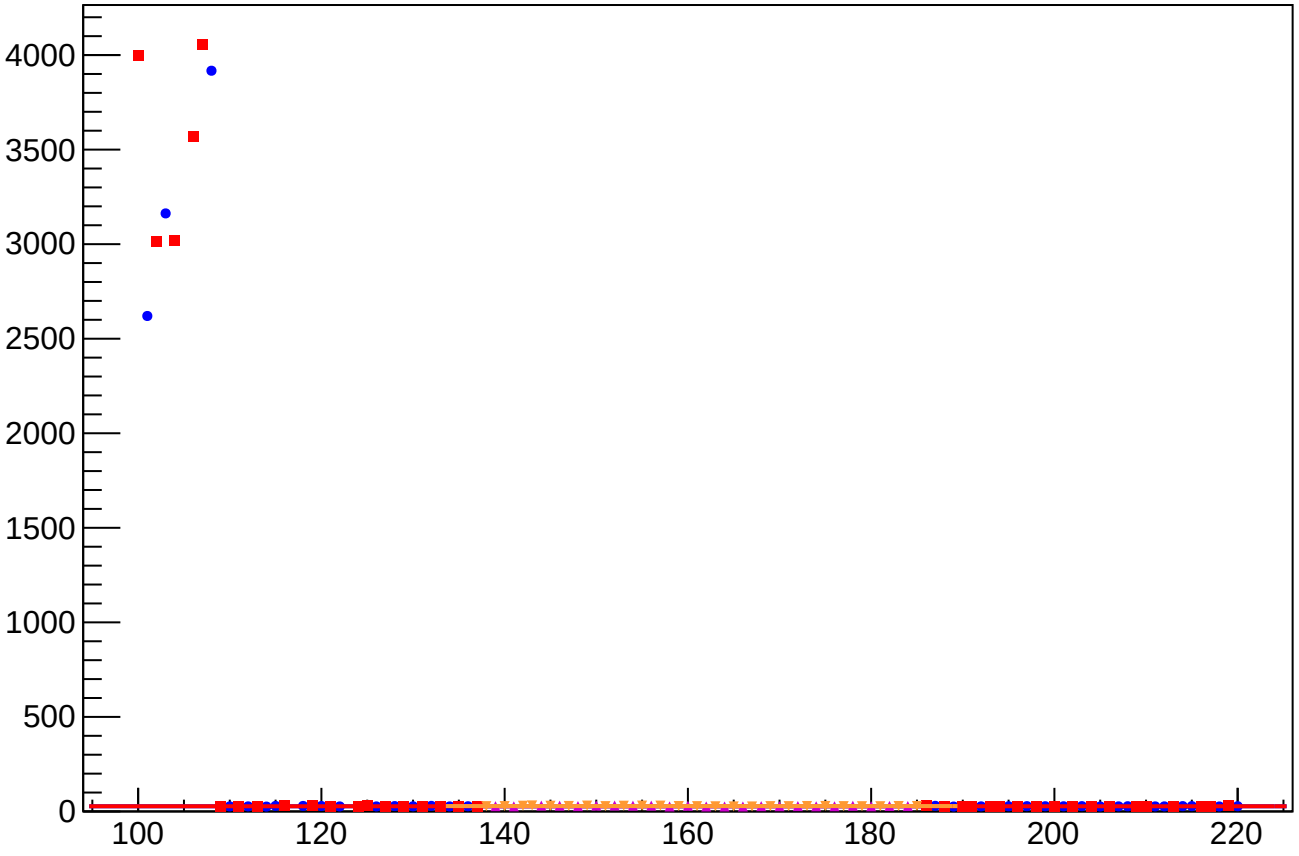
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -6.887+/-4.497 χ^2/NDF: 59.7/57

All: -4.542+/-3.204 χ^2/NDF: 131.9/117

- sign -2.125+/-4.565 χ^2/NDF: 71.6/59

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.384+/-0.004 χ^2/NDF: 3287474.3/32

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

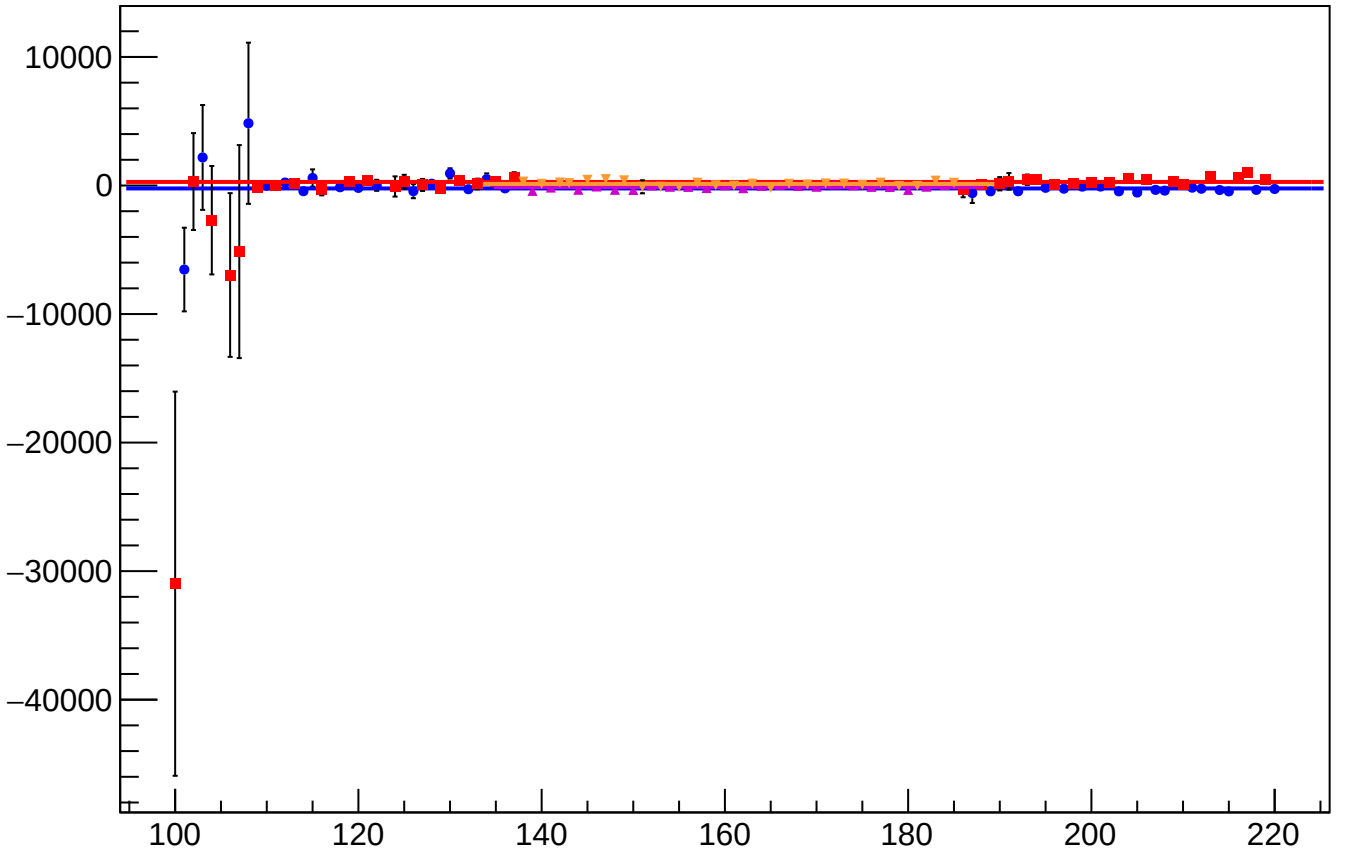
Right Out: 27.456+/-0.004 χ^2/NDF: 3623757.3/36

Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

\+ sign 27.957+/-0.003 χ^2/NDF: 3411243.3/57

All: 27.973+/-0.002 χ^2/NDF: 7189535.6/117

\- sign 27.989+/-0.003 χ^2/NDF: 3778242.1/59



Right In: -229.208+/-40.865 χ^2/NDF: 36.0/32

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

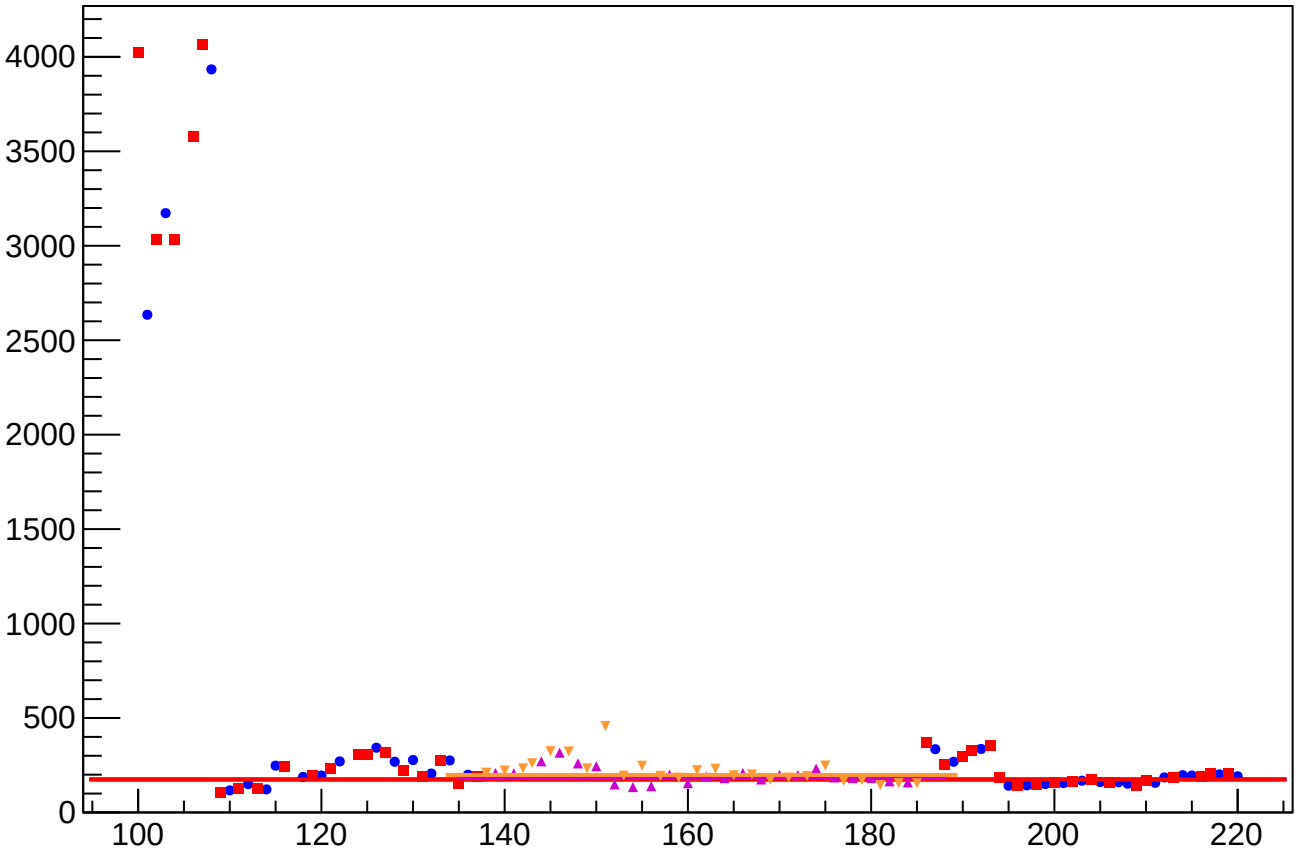
Right Out: 276.985+/-41.228 χ^2/NDF: 47.4/36

Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -77.400+/-30.789 χ^2/NDF: 79.9/57

All: 10.904+/-21.608 χ^2/NDF: 193.6/117

- sign 96.610+/-30.332 χ^2/NDF: 97.5/59



Right In: 174.694+/-0.029 χ^2/NDF: 4997331.3/32

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

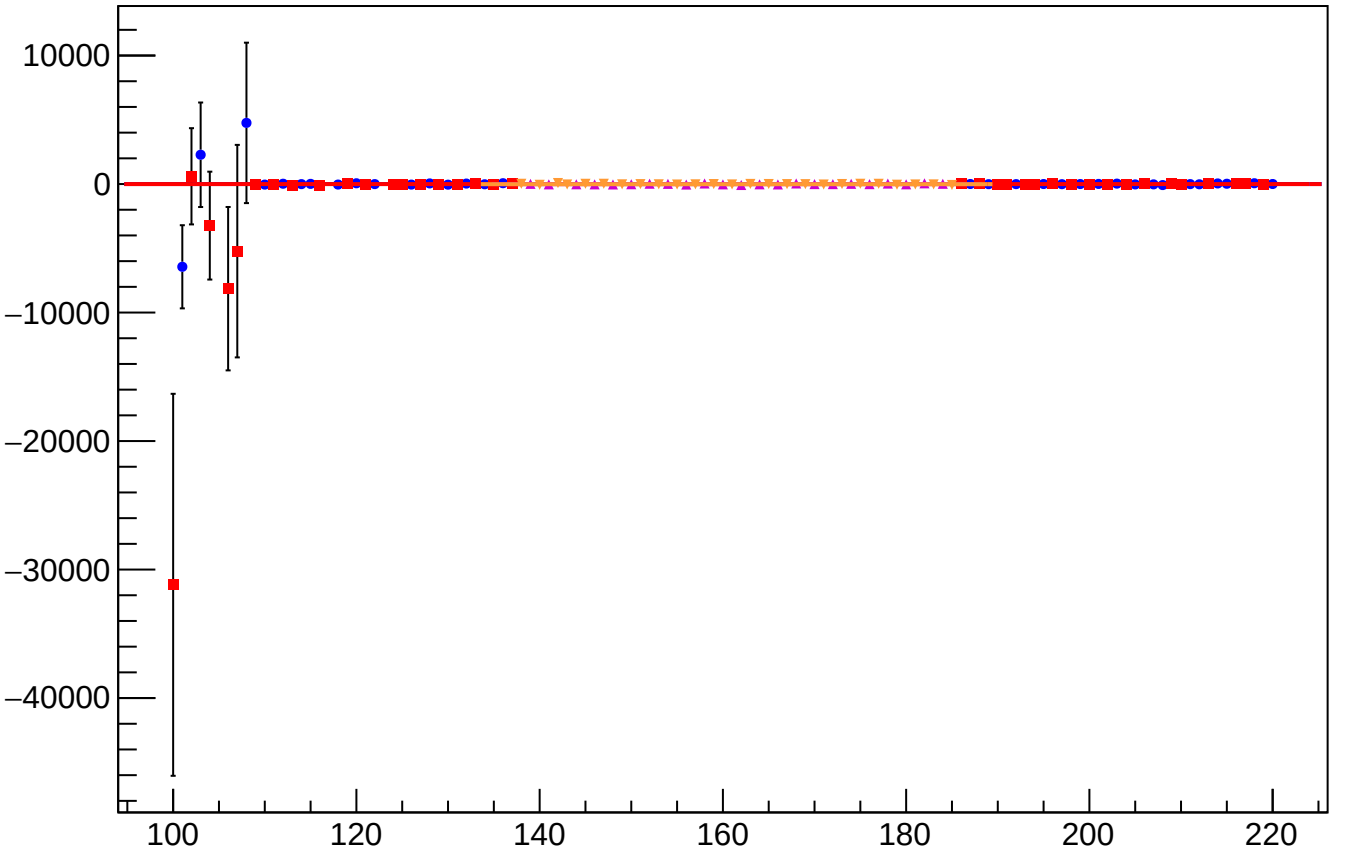
Right Out: 174.713+/-0.029 χ^2/NDF: 5713117.1/36

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 185.017+/-0.022 χ^2/NDF: 7194037.1/57

All: 181.961+/-0.015 χ^2/NDF: 14438455.4/11

- sign 178.996+/-0.021 χ^2/NDF: 7205609.5/59



Right In: 1.836+/-6.178 χ^2/NDF: 38.2/32

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -3.309+/-6.198 χ^2/NDF: 41.4/36

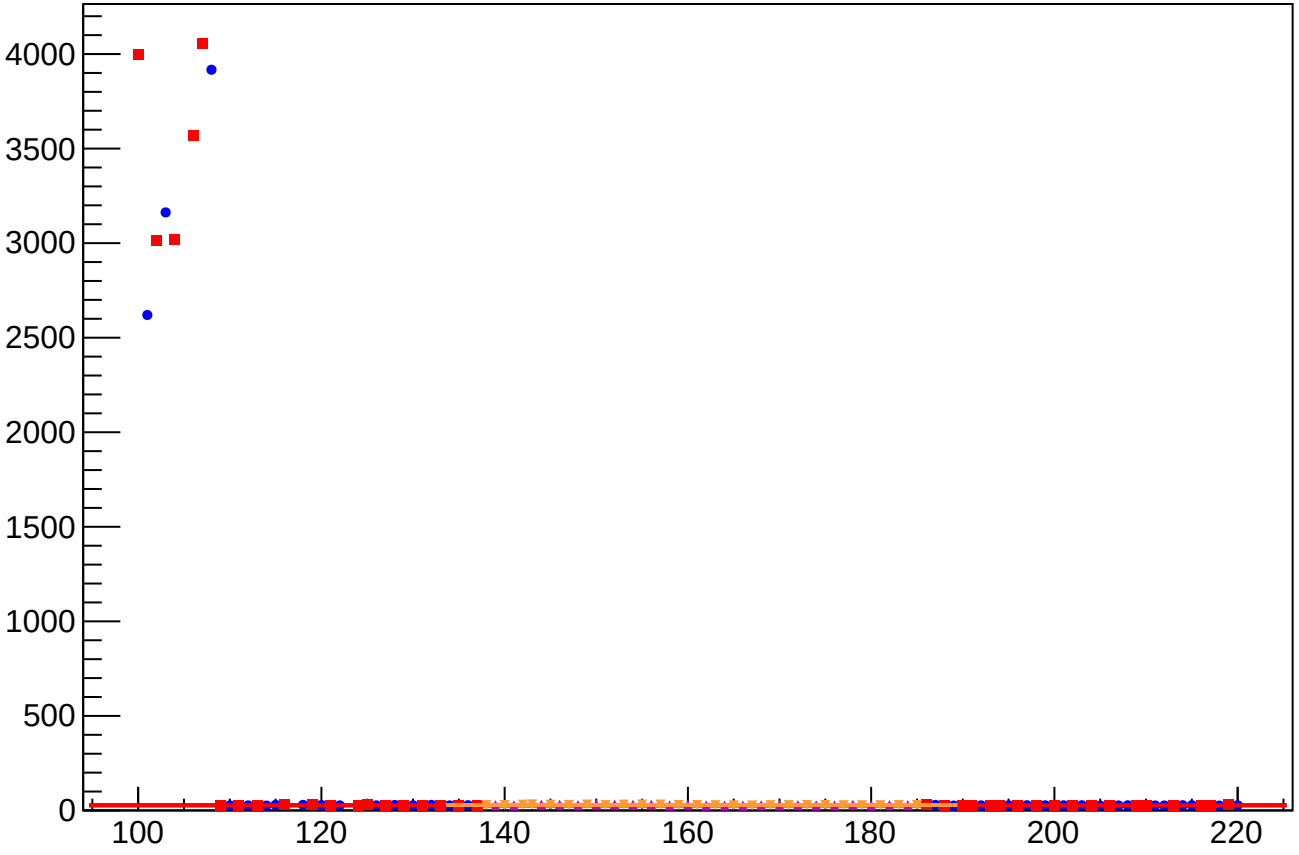
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

\+ sign -4.623+/-4.491 χ^2/NDF: 58.4/57

All: -3.810+/-3.200 χ^2/NDF: 122.0/117

\- sign -2.973+/-4.560 χ^2/NDF: 63.6/59

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.201+/-0.004 χ^2/NDF: 3295488.7/32

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

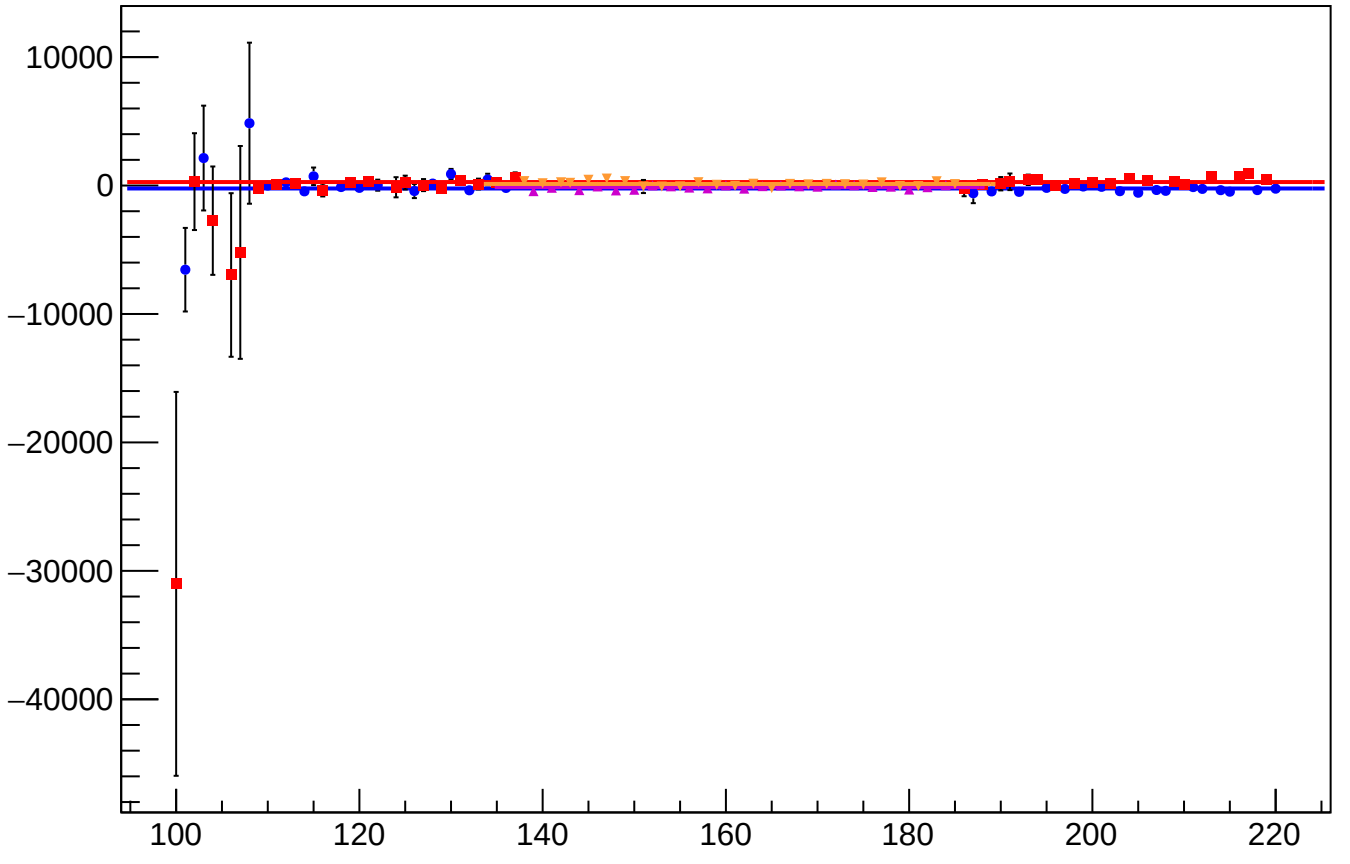
Right Out: 27.302+/-0.004 χ^2/NDF: 3626140.8/36

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 27.911+/-0.003 χ^2/NDF: 3450443.1/57

All: 27.933+/-0.002 χ^2/NDF: 7252617.9/117

\- sign 27.956+/-0.003 χ^2/NDF: 3802076.5/59



Right In: -229.400+/-41.157 χ^2/NDF: 37.4/32

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: 271.844+/-41.536 χ^2/NDF: 44.9/36

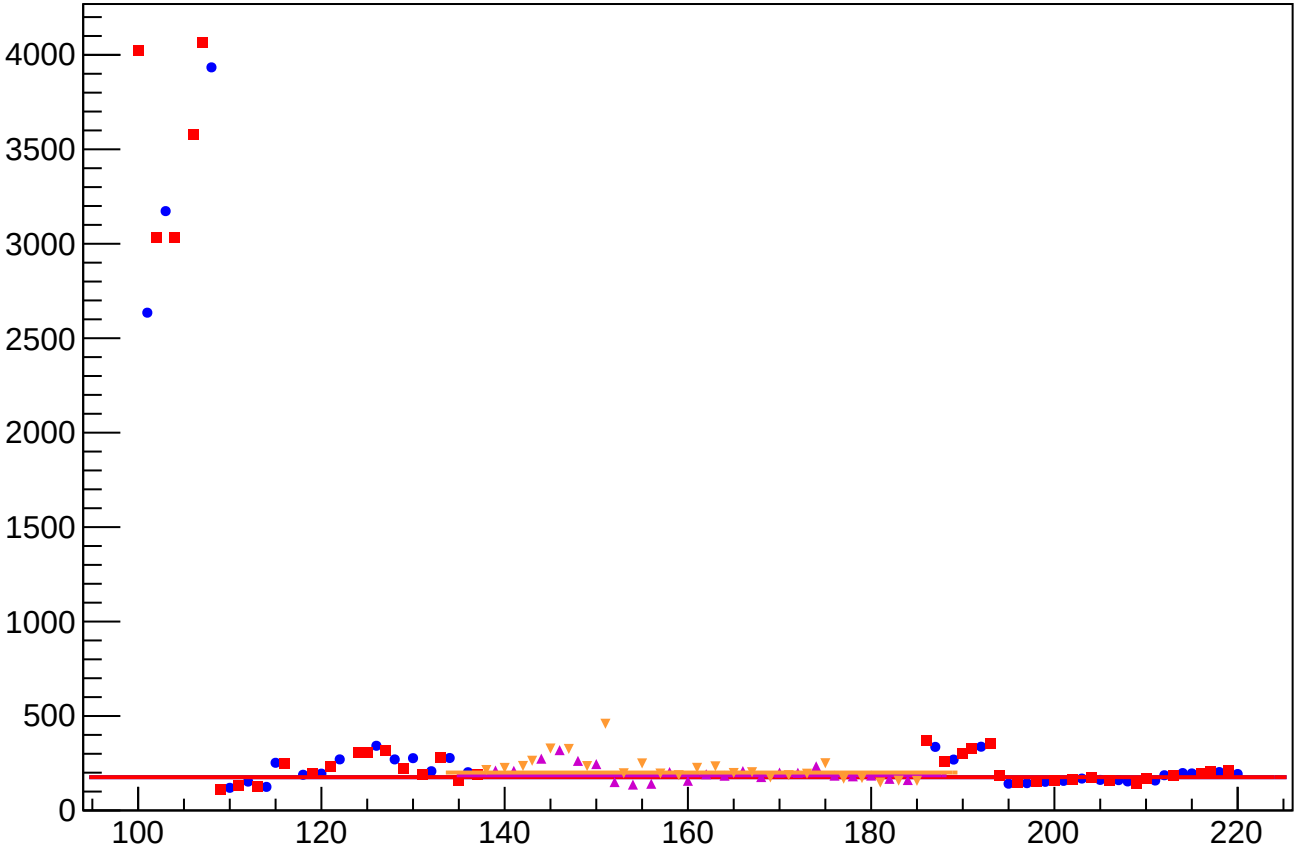
Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign -77.613+/-31.048 χ^2/NDF: 80.3/57

All: 8.083+/-21.796 χ^2/NDF: 190.0/117

- sign 91.350+/-30.605 χ^2/NDF: 94.7/59

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 176.041+/-0.029 χ^2/NDF: 4960029.4/32

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

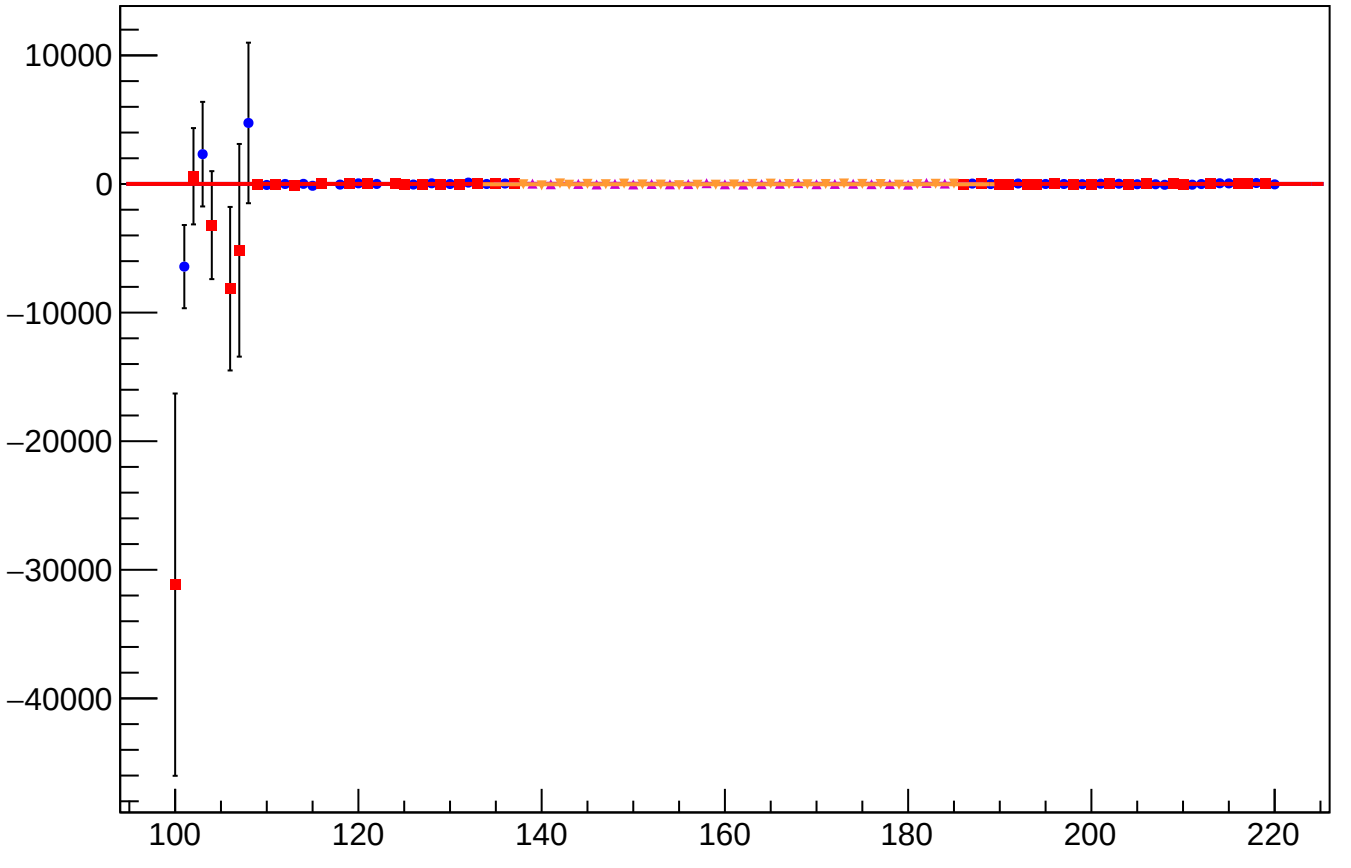
Right Out: 176.191+/-0.029 χ^2/NDF: 5648247.0/36

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 186.660+/-0.022 χ^2/NDF: 7149115.2/57

All: 183.664+/-0.015 χ^2/NDF: 14300228.6/11

- sign 180.752+/-0.022 χ^2/NDF: 7114383.7/59



Right In: 5.192+/-7.533 χ^2/NDF: 35.2/32

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: 6.079+/-7.555 χ^2/NDF: 39.3/36

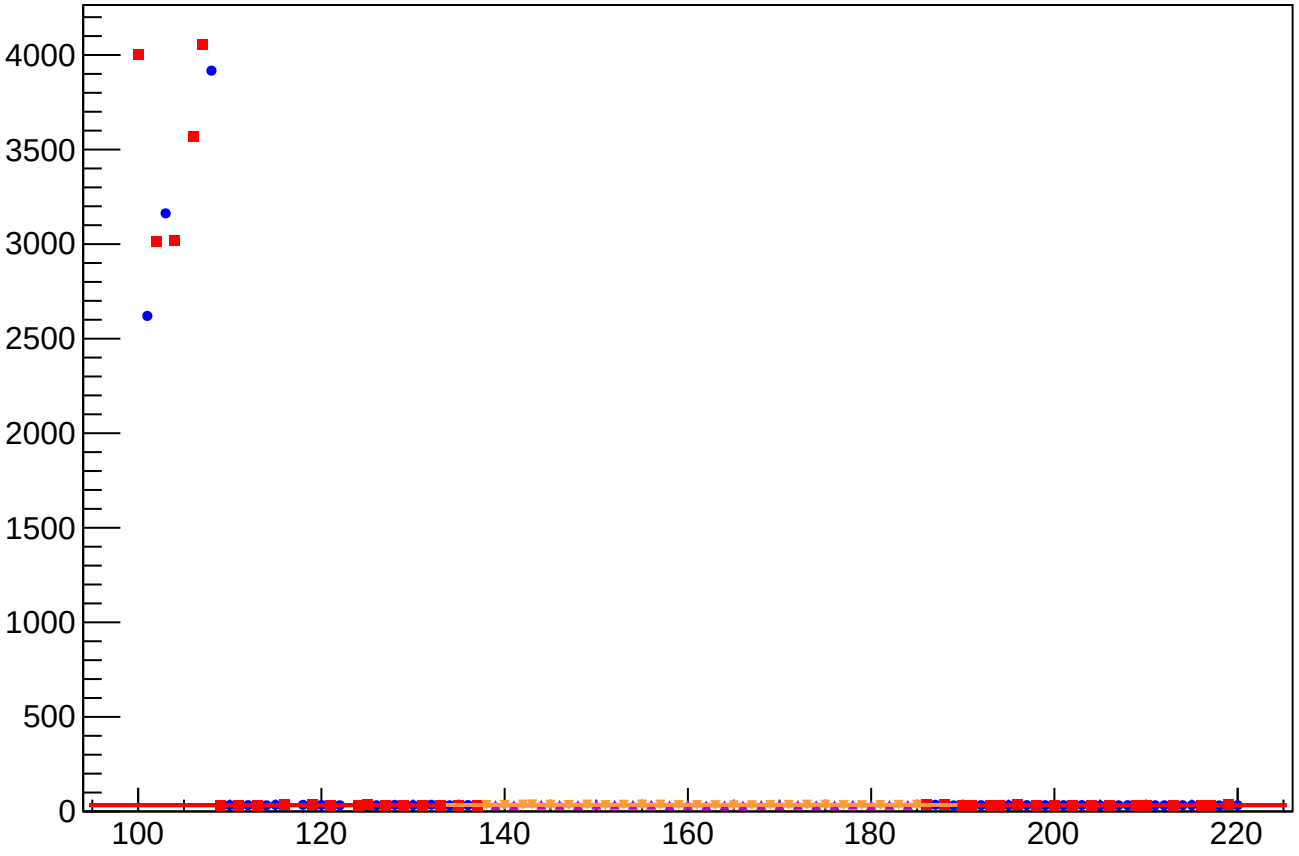
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

\+ sign -7.498+/-5.430 χ^2/NDF: 64.0/57

All: -1.290+/-3.871 χ^2/NDF: 124.9/117

\- sign 5.123+/-5.520 χ^2/NDF: 58.2/59

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.197+/-0.005 χ^2/NDF: 3261537.8/32

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

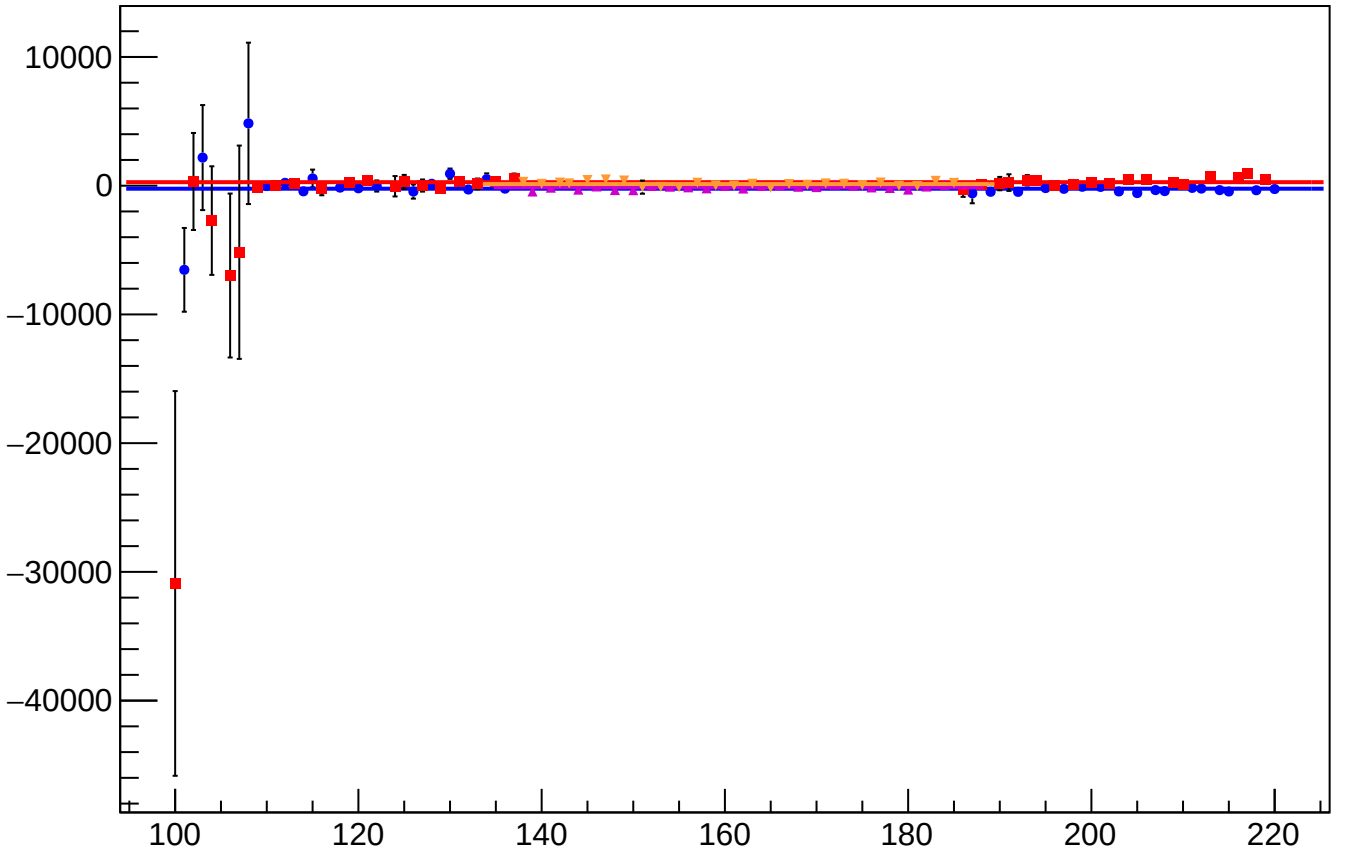
Right Out: 33.331+/-0.005 χ^2/NDF: 3563378.2/36

Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 33.793+/-0.004 χ^2/NDF: 3332343.8/57

All: 33.846+/-0.003 χ^2/NDF: 6979751.0/117

- sign 33.900+/-0.004 χ^2/NDF: 3647024.8/59



Right In: -233.015+/-41.036 χ^2/NDF: 36.0/32

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

Right Out: 273.965+/-41.392 χ^2/NDF: 45.7/36

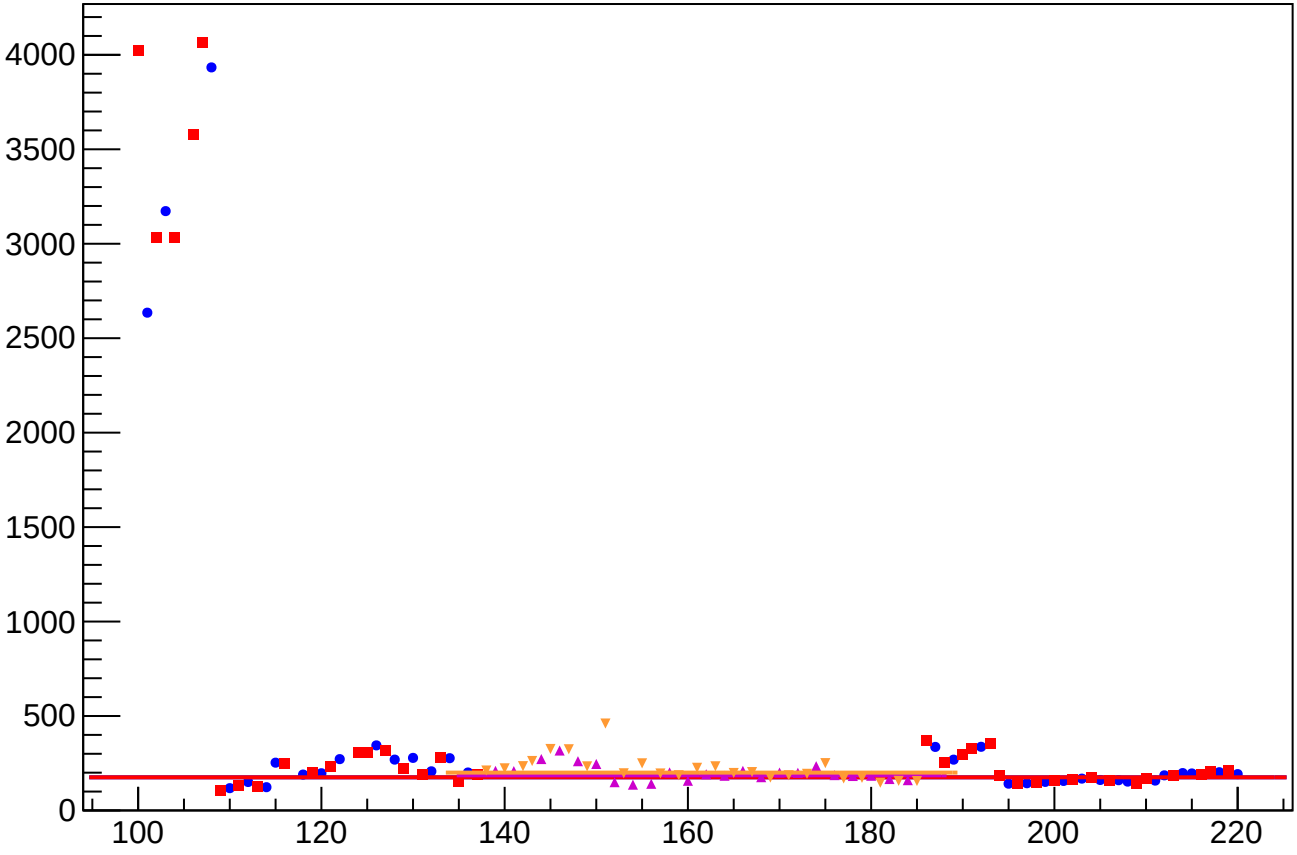
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -77.842+/-30.976 χ^2/NDF: 80.9/57

All: 8.824+/-21.743 χ^2/NDF: 191.9/117

- sign 92.987+/-30.526 χ^2/NDF: 95.6/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 175.443+/-0.029 χ^2/NDF: 4991329.9/32

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

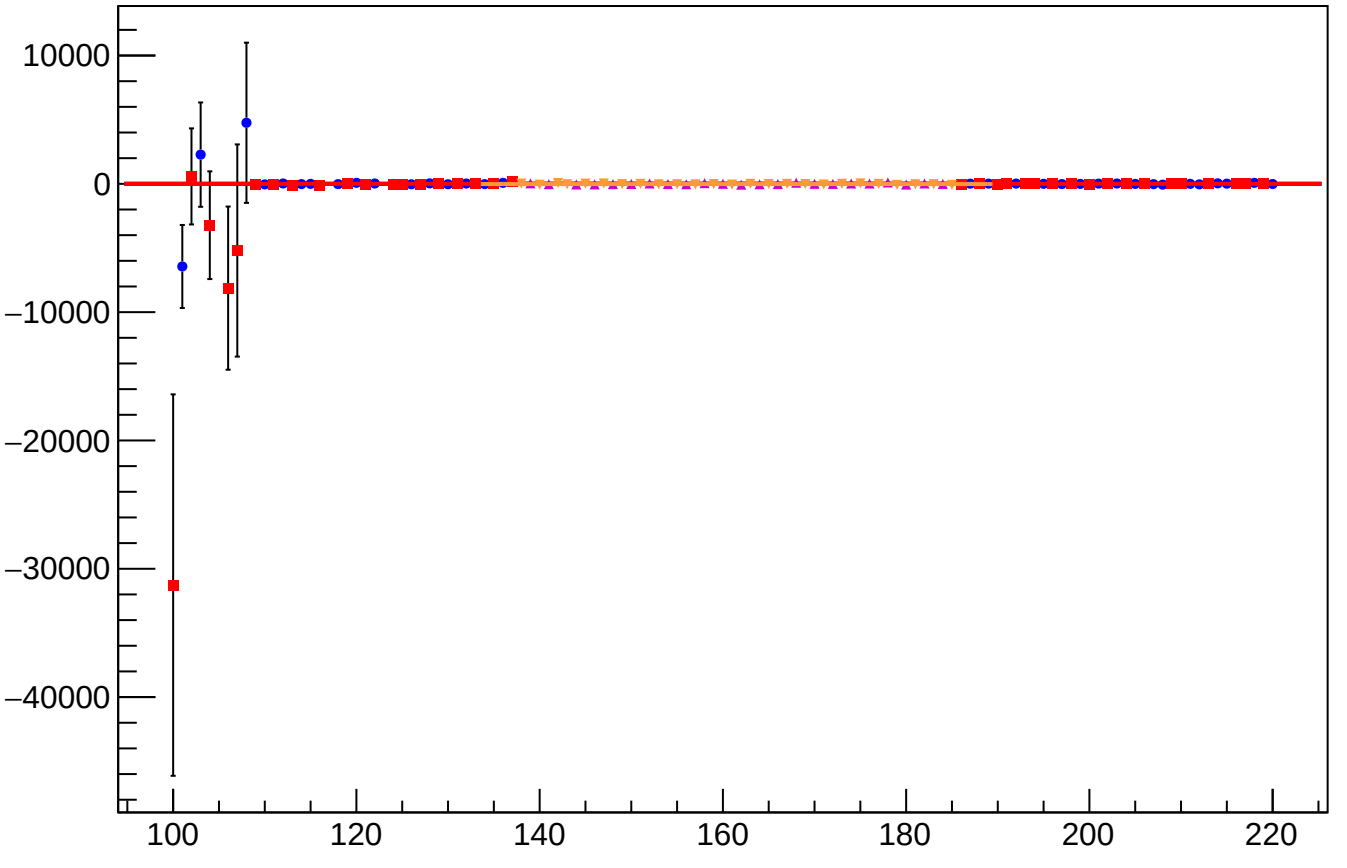
Right Out: 175.448+/-0.029 χ^2/NDF: 5700465.6/36

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 186.167+/-0.022 χ^2/NDF: 7185381.9/57

All: 183.141+/-0.015 χ^2/NDF: 14386846.8/11

- sign 180.202+/-0.022 χ^2/NDF: 7163840.4/59



Right In: 6.485+/-6.811 χ^2/NDF: 31.8/32

Left Out: -18.581+/-7.135 χ^2/NDF:20.4/24

Right Out: 2.467+/-6.833 χ^2/NDF: 46.5/36

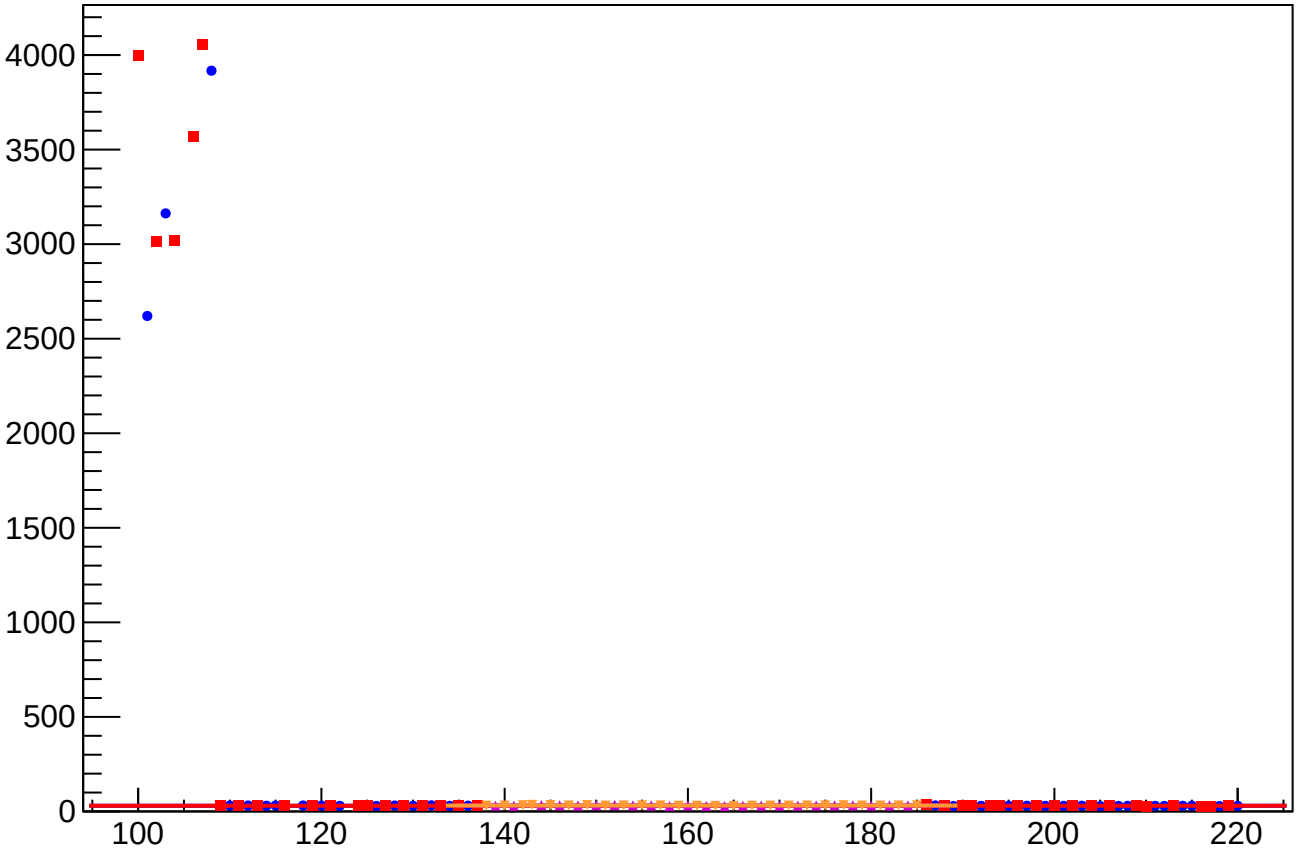
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -5.466+/-4.927 χ^2/NDF: 58.6/57

All: -1.506+/-3.511 χ^2/NDF: 141.9/117

- sign 2.579+/-5.004 χ^2/NDF: 82.0/59

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 29.997+/-0.005 χ^2/NDF: 3282671.4/32

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

Right Out: 30.122+/-0.005 χ^2/NDF: 3590189.8/36

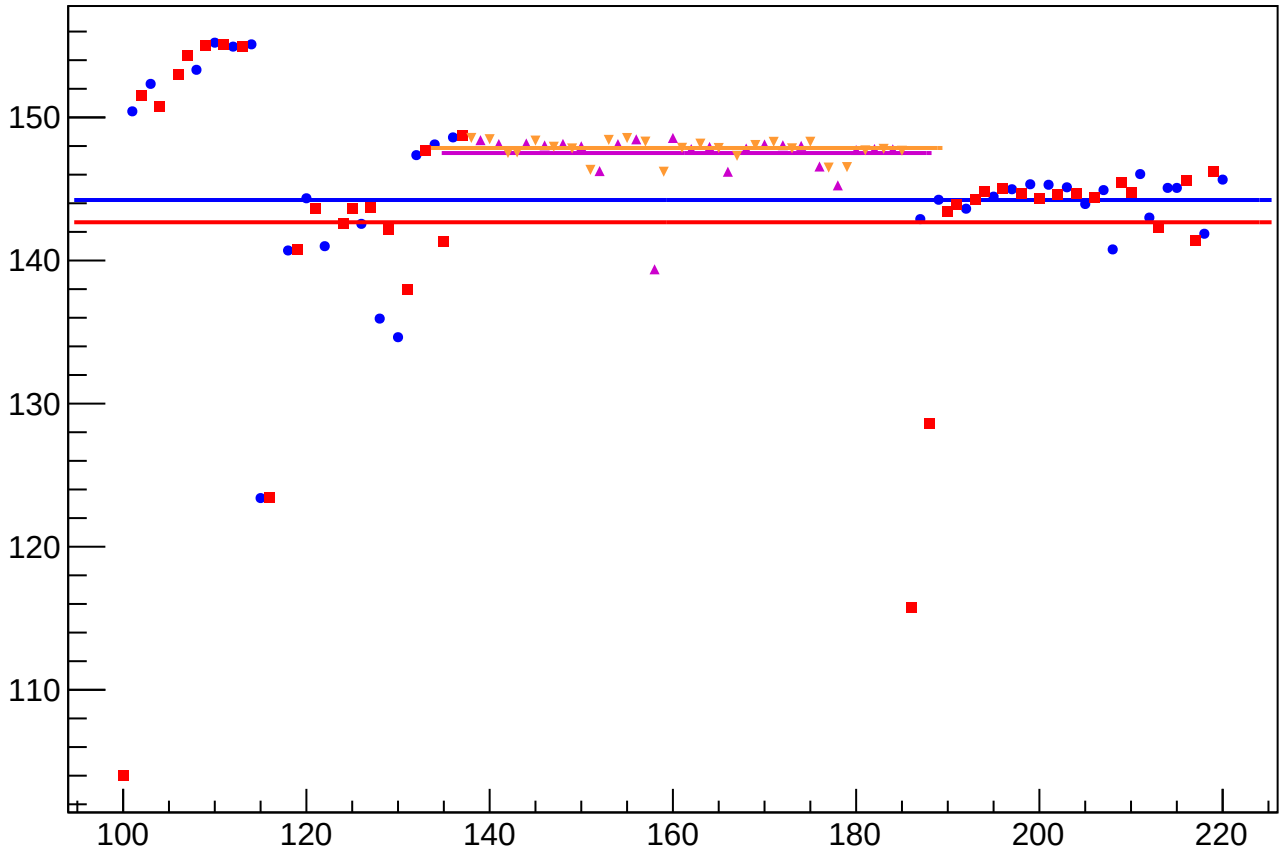
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.637+/-0.003 χ^2/NDF: 3382733.3/57

All: 30.671+/-0.002 χ^2/NDF: 7089754.8/117

- sign 30.705+/-0.004 χ^2/NDF: 3706836.2/59

yield_bcm_target_mean vs Slug



Right In: 144.229+/-0.000 χ^2/NDF: 3796201532.2/32

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.674+/-0.000 χ^2/NDF: 7622854033.0/36

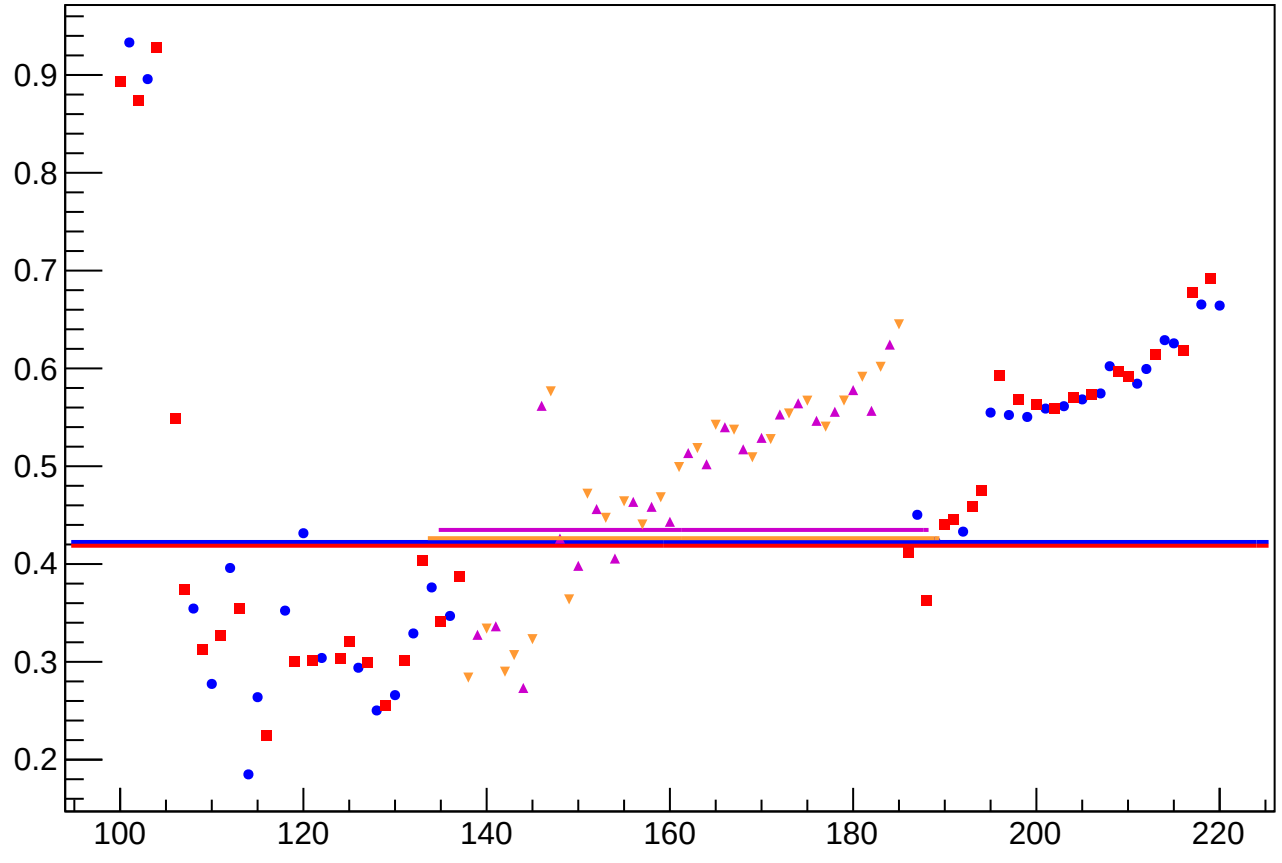
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.025+/-0.000 χ^2/NDF: 4489964829.5/57

All: 145.465+/-0.000 χ^2/NDF: 13669728619.

- sign 144.899+/-0.000 χ^2/NDF: 9056195620.8/59

yield_bcm_target_rms vs Slug



Right In: 0.423+/-0.000 χ^2/NDF: 4486936.9/32

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

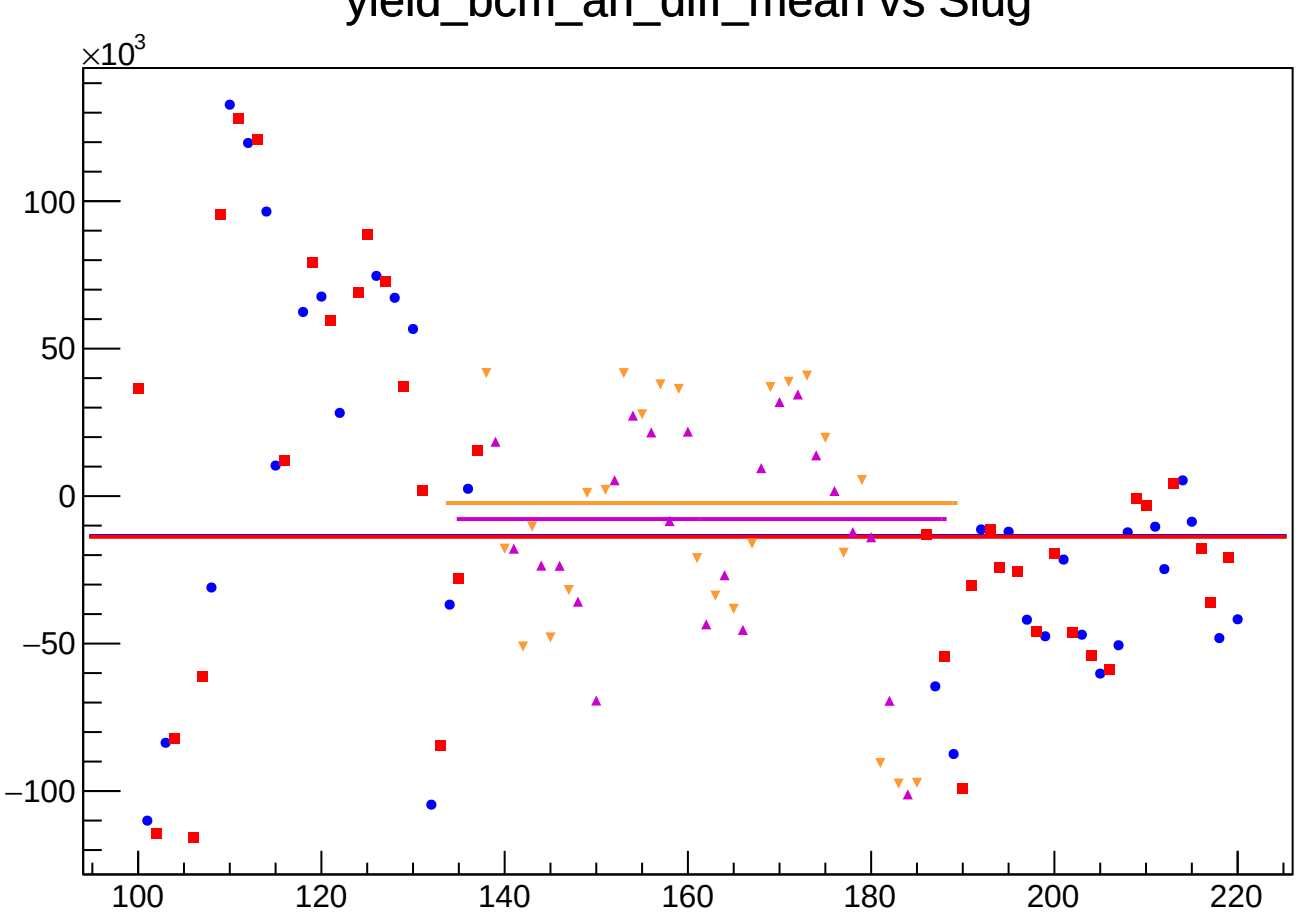
Right Out: 0.419+/-0.000 χ^2/NDF: 4183388.8/36

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.424+/-0.000 χ^2/NDF: 6747597.4/57

All: 0.425+/-0.000 χ^2/NDF: 12731601.5/117

- sign 0.426+/-0.000 χ^2/NDF: 5983450.8/59



Right In: -13532.691+/-1.213 χ^2/NDF: 1998371703.1/32

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

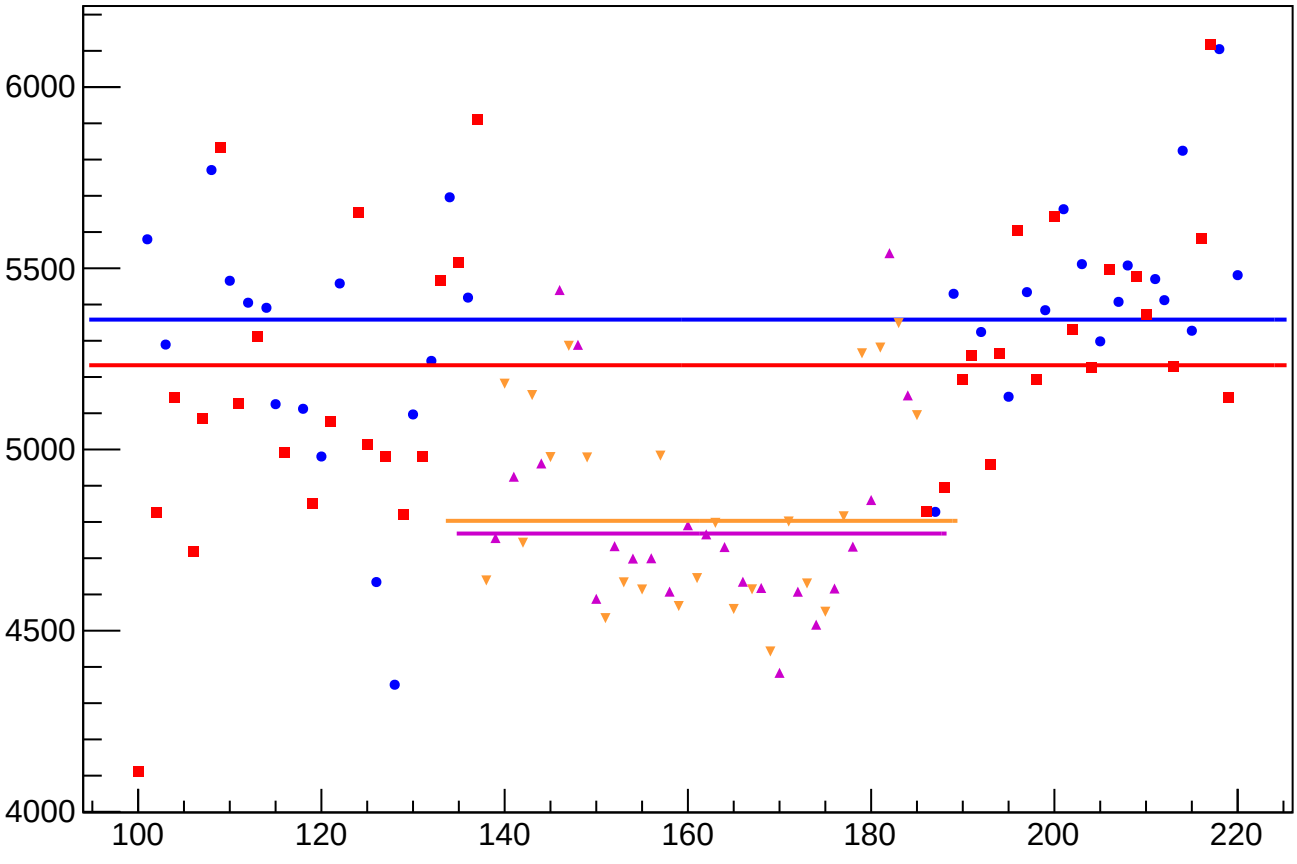
Right Out: -13784.514+/-1.168 χ^2/NDF: 2418104833.2/36

Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -7510.332+/-0.824 χ^2/NDF: 3274204215.2/5

All: -9130.727+/-0.580 χ^2/NDF: 647592279

- sign -10725.197+/-0.818 χ^2/NDF: 3194047945.7/5



Right In: 5358.404+/-0.858 χ^2/NDF: 140667.9/32

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

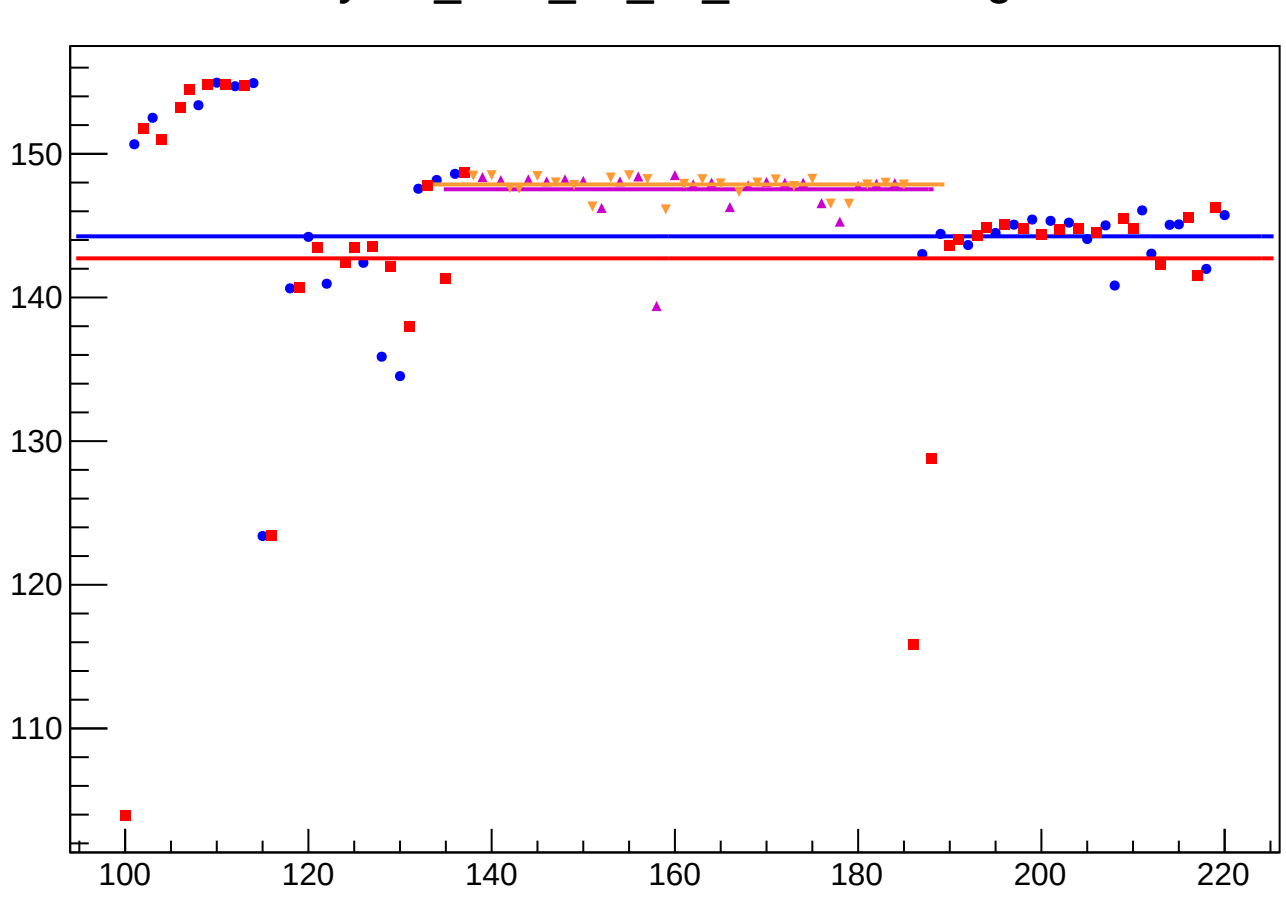
Right Out: 5232.495+/-0.826 χ^2/NDF: 153101.1/36

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 5059.506+/-0.583 χ^2/NDF: 481001.0/57

All: 5027.272+/-0.410 χ^2/NDF: 903841.8/117

- sign 4995.553+/-0.578 χ^2/NDF: 416770.3/59



Right In: 144.257+/-0.000 χ^2/NDF: 3836860563.8/32

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

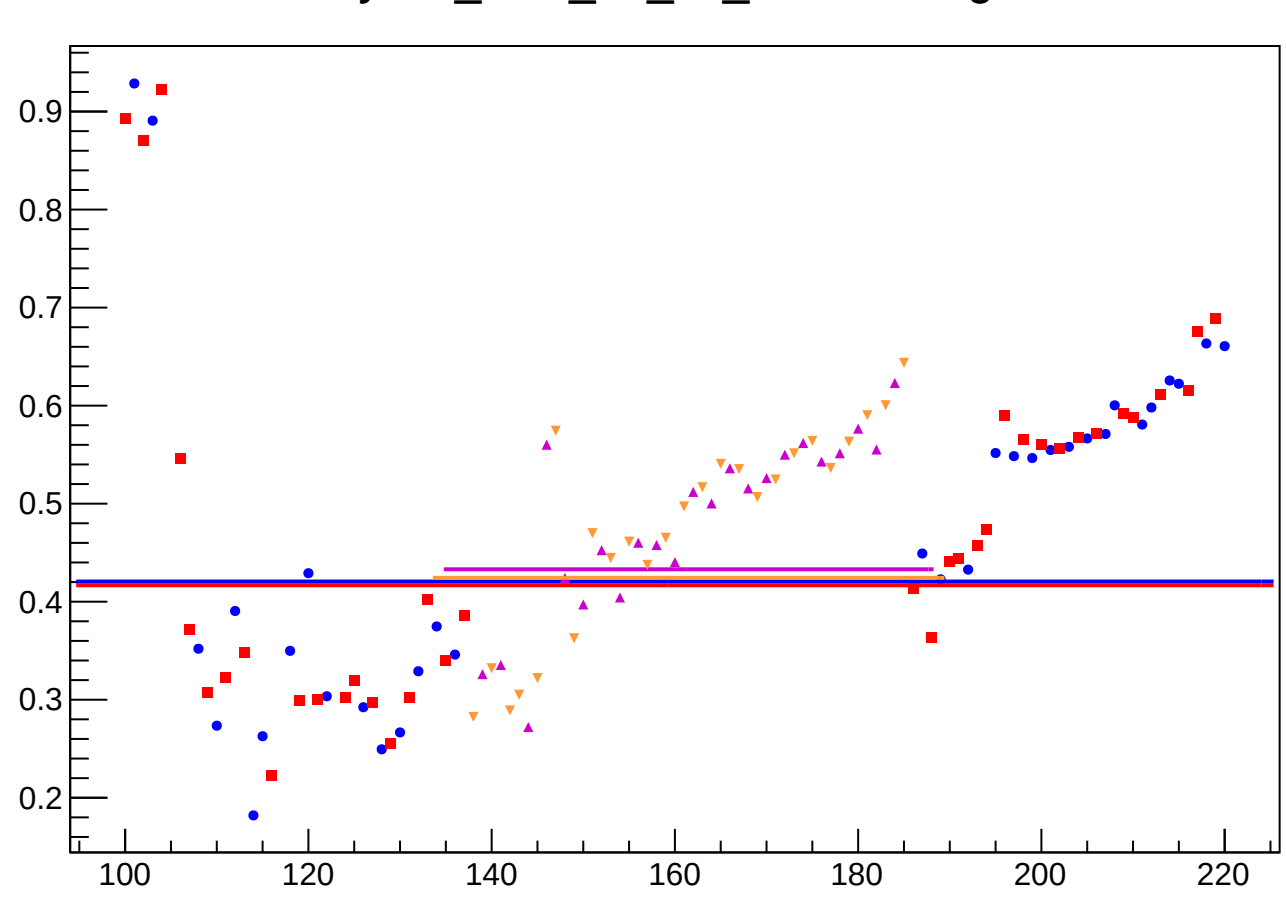
Right Out: 142.724+/-0.000 χ^2/NDF: 7597949626.3/36

Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.042+/-0.000 χ^2/NDF: 4528338971.5/57

All: 145.492+/-0.000 χ^2/NDF: 13677129974.

- sign 144.935+/-0.000 χ^2/NDF: 9028136307.9/59



Right In: 0.421+/-0.000 χ^2/NDF: 4486379.1/32

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

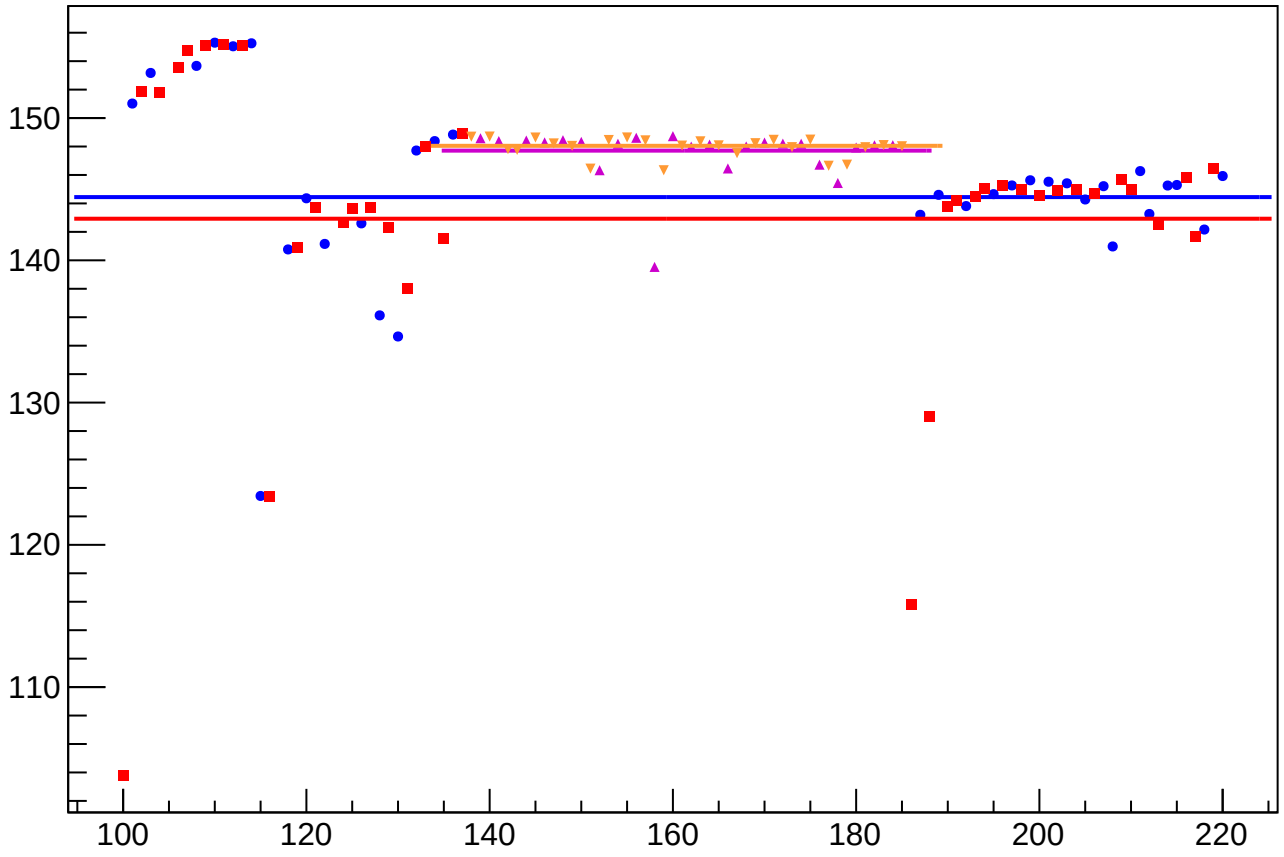
Right Out: 0.417+/-0.000 χ^2/NDF: 4191304.9/36

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.422+/-0.000 χ^2/NDF: 6748526.7/57

All: 0.423+/-0.000 χ^2/NDF: 12737487.5/117

- sign 0.424+/-0.000 χ^2/NDF: 5988328.2/59



Right In: 144.444+/-0.000 χ^2/NDF: 3831267810.6/32

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.925+/-0.000 χ^2/NDF: 7531789705.8/36

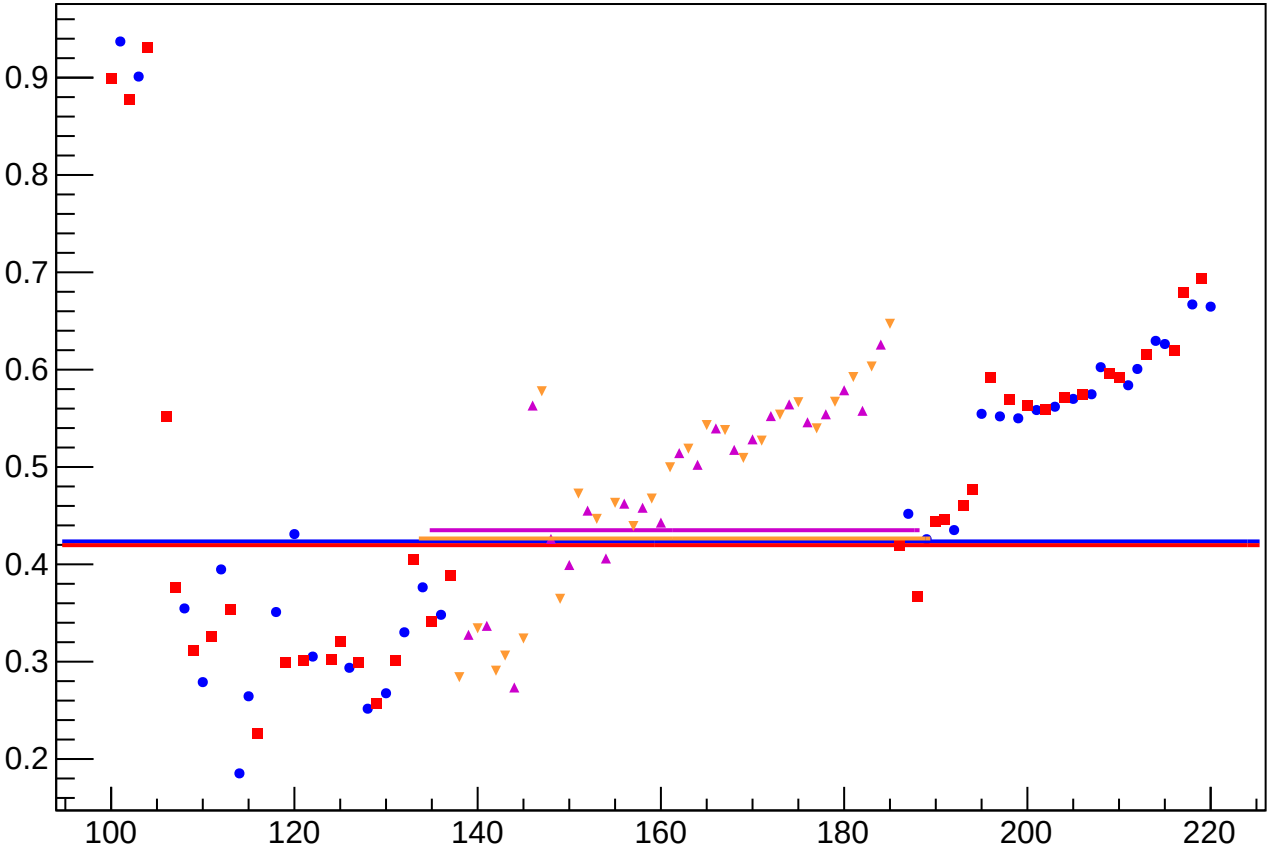
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.228+/-0.000 χ^2/NDF: 4512726078.3/57

All: 145.683+/-0.000 χ^2/NDF: 13573783323.

- sign 145.131+/-0.000 χ^2/NDF: 8943846078.1/59

yield_bcm_an_ds3_rms vs Slug



Right In: 0.424+/-0.000 χ^2/NDF: 4466928.1/32

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

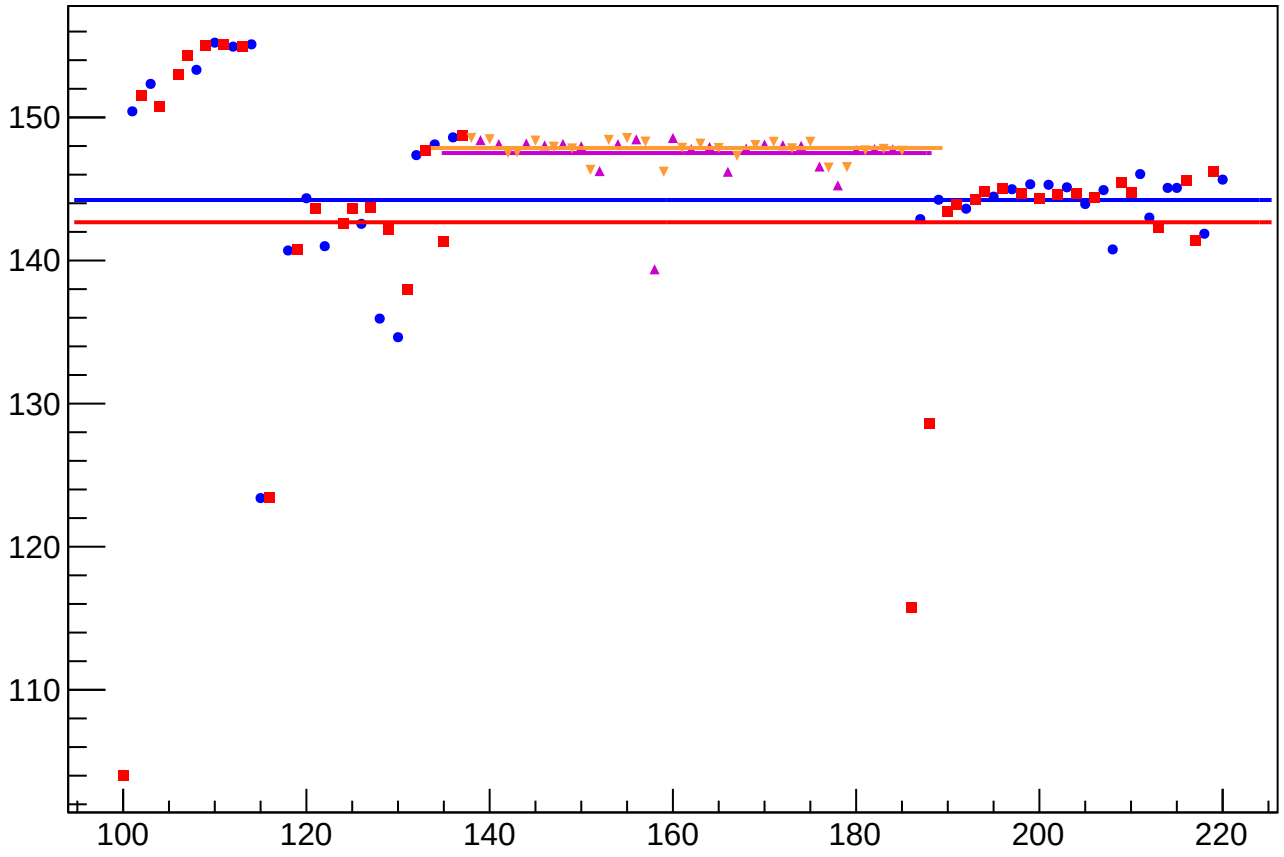
Right Out: 0.420+/-0.000 χ^2/NDF: 4180624.7/36

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.425+/-0.000 χ^2/NDF: 6725316.6/57

All: 0.426+/-0.000 χ^2/NDF: 12698943.9/117

- sign 0.427+/-0.000 χ^2/NDF: 5973035.1/59



Right In: 144.229+/-0.000 χ^2/NDF: 3796201532.2/32

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.674+/-0.000 χ^2/NDF: 7622854033.0/36

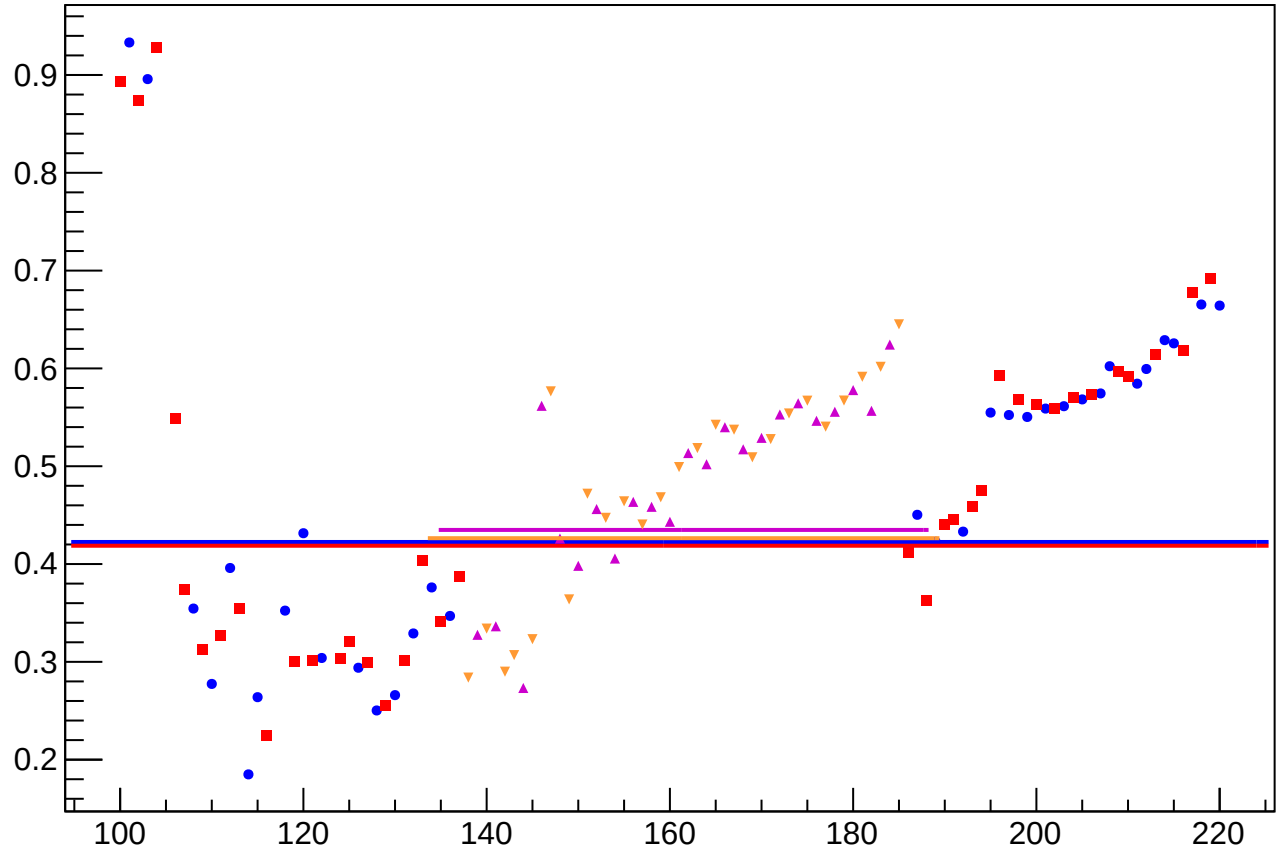
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.025+/-0.000 χ^2/NDF: 4489964829.5/57

All: 145.465+/-0.000 χ^2/NDF: 13669728619.

- sign 144.899+/-0.000 χ^2/NDF: 9056195620.8/59

yield_bcm_an_us_rms vs Slug



Right In: 0.423+/-0.000 χ^2/NDF: 4486936.9/32

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

Right Out: 0.419+/-0.000 χ^2/NDF: 4183388.8/36

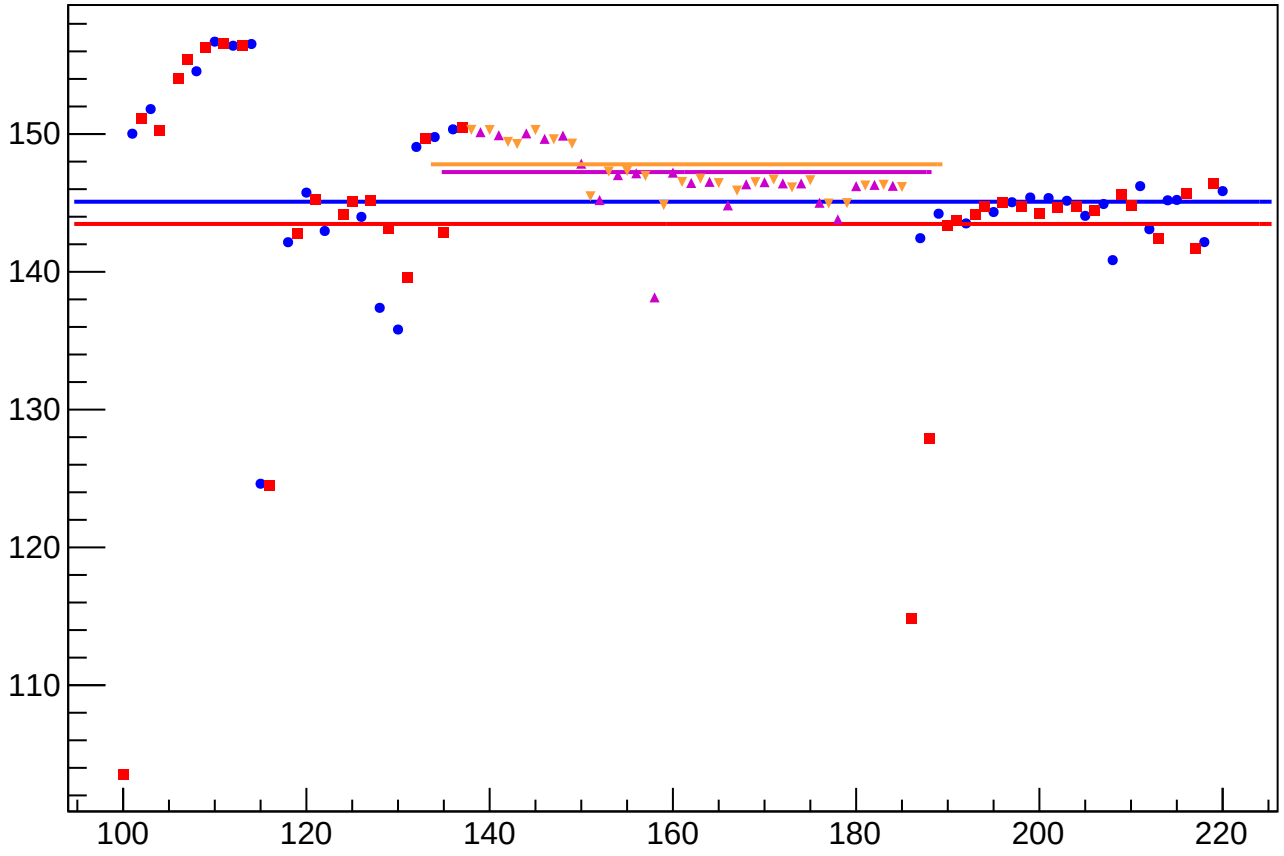
Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.424+/-0.000 χ^2/NDF: 6747597.4/57

All: 0.425+/-0.000 χ^2/NDF: 12731601.5/117

- sign 0.426+/-0.000 χ^2/NDF: 5983450.8/59

yield_bcm_dg_us_mean vs Slug



Right In: 145.088+/-0.000 χ^2/NDF: 3590466644.7/32

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.475+/-0.000 χ^2/NDF: 7662965360.5/36

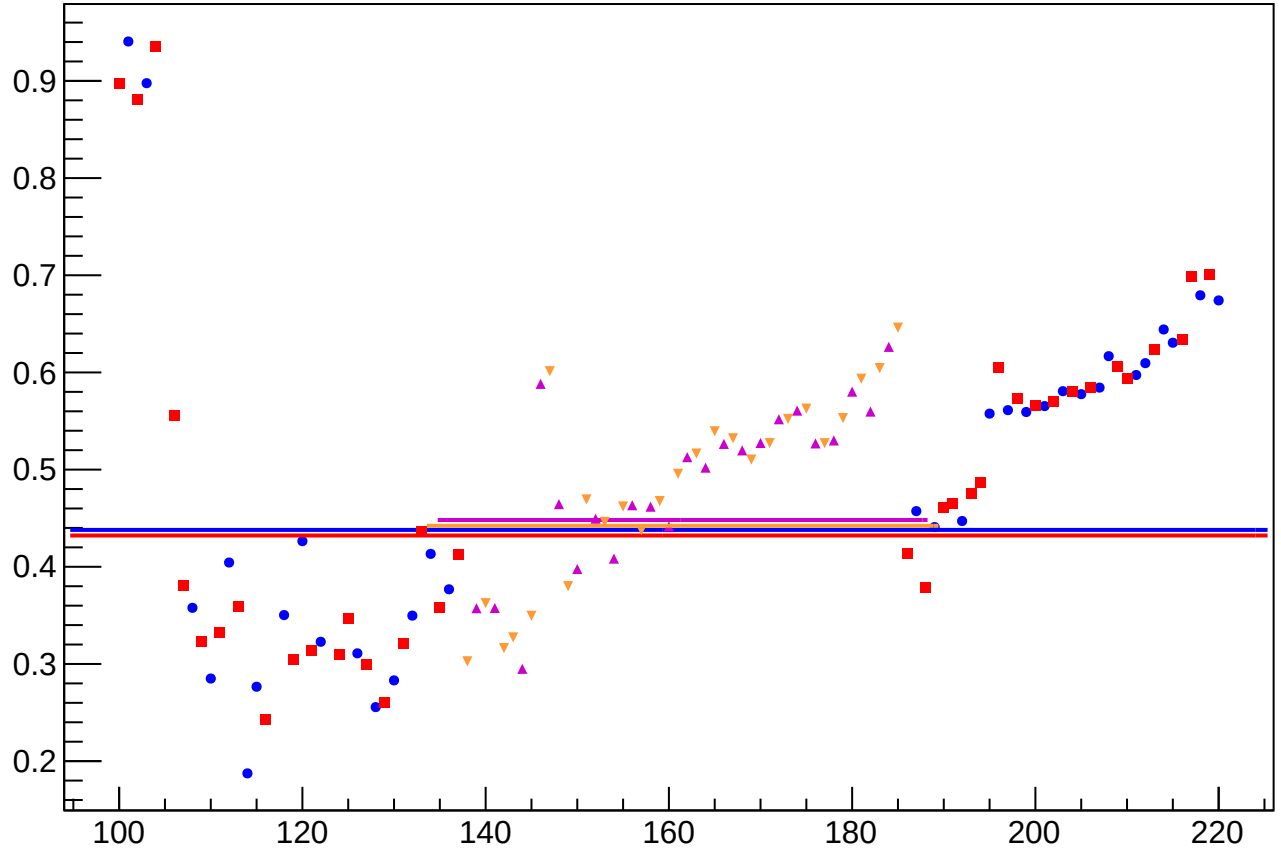
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.435+/-0.000 χ^2/NDF: 4257596723.0/57

All: 145.829+/-0.000 χ^2/NDF: 13322577712.

- sign 145.219+/-0.000 χ^2/NDF: 8928998208.4/59

yield_bcm_dg_us_rms vs Slug



Right In: 0.438+/-0.000 χ^2/NDF: 4227728.8/32

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

Right Out: 0.432+/-0.000 χ^2/NDF: 3983957.8/36

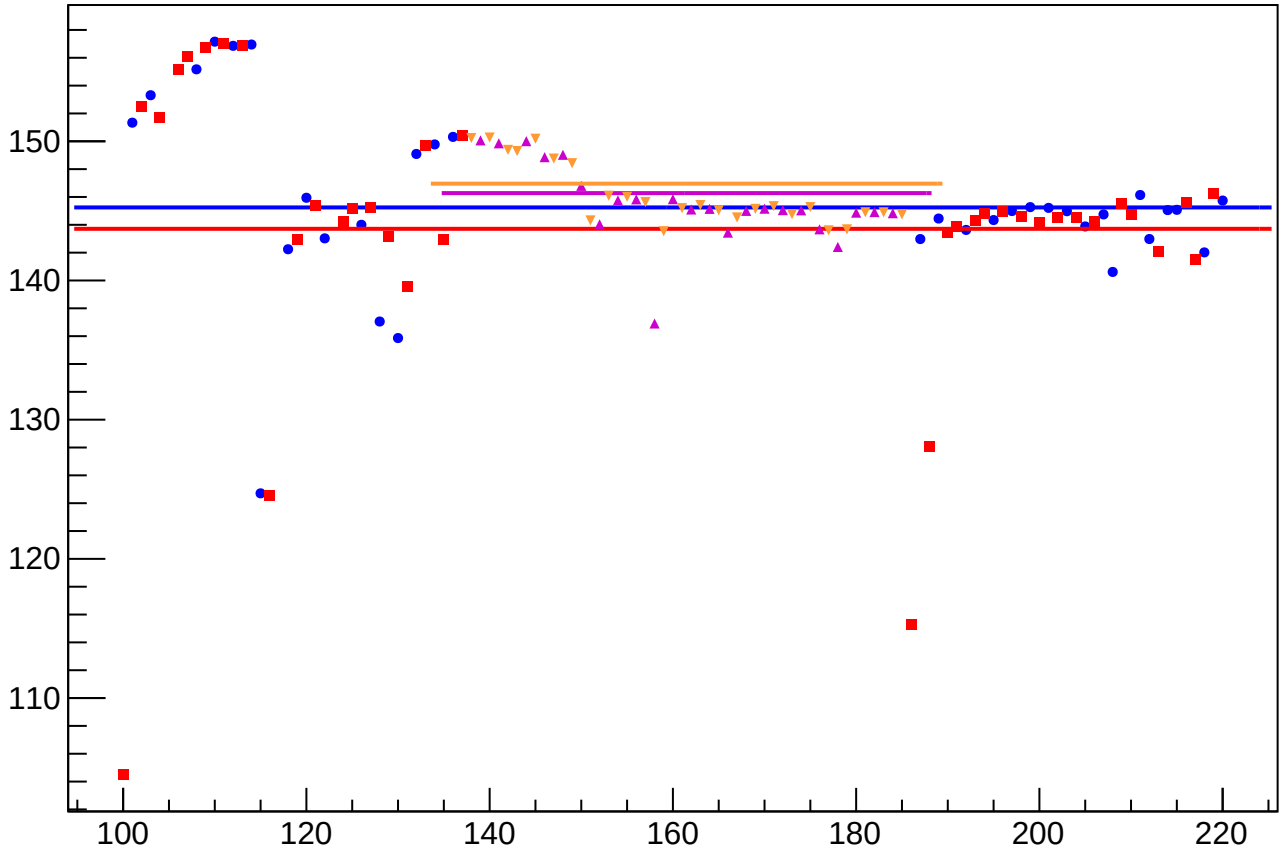
Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.440+/-0.000 χ^2/NDF: 5933562.1/57

All: 0.440+/-0.000 χ^2/NDF: 11288564.2/117

- sign 0.440+/-0.000 χ^2/NDF: 5354961.4/59

yield_bcm_dg_ds_mean vs Slug



Right In: 145.248+/-0.000 χ^2/NDF: 3754681594.4/32

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.712+/-0.000 χ^2/NDF: 7715666536.1/36

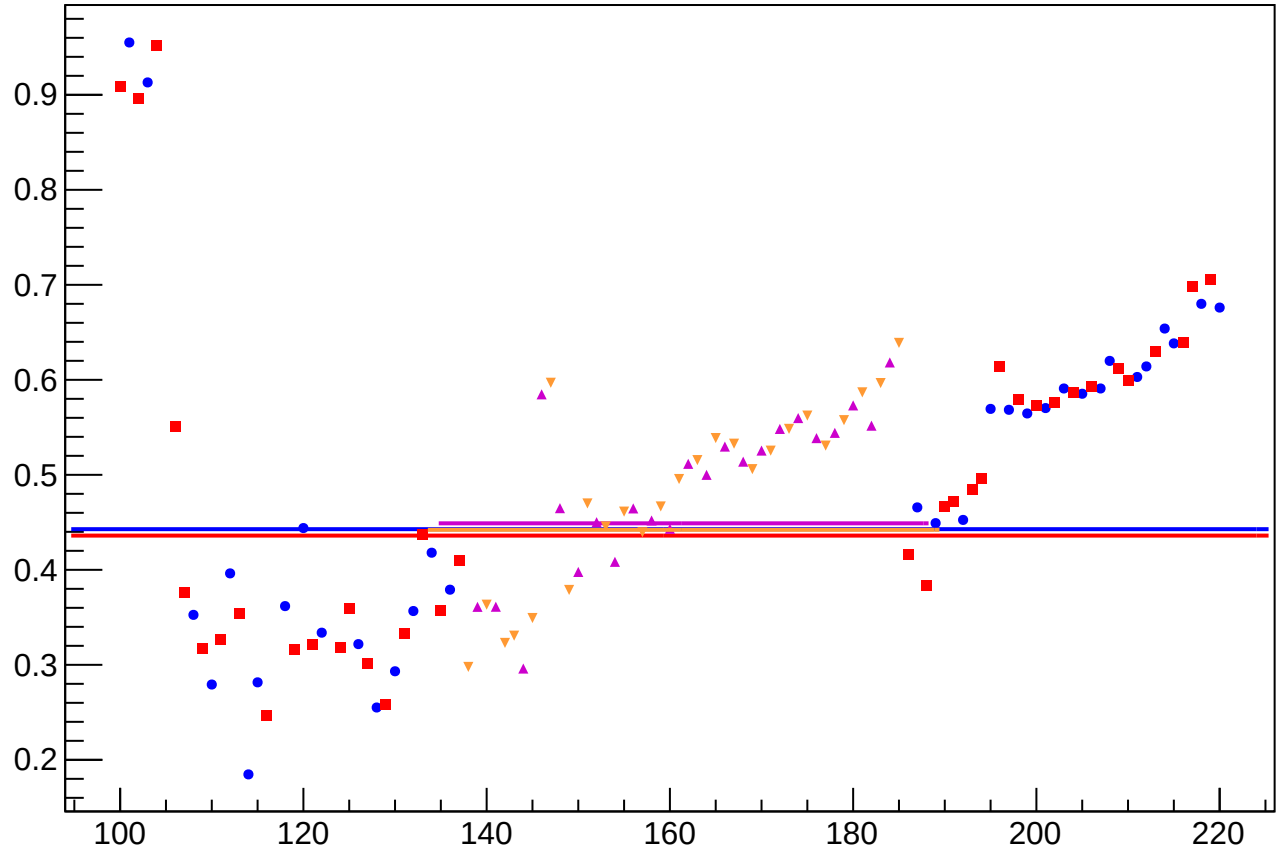
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.105+/-0.000 χ^2/NDF: 4430331872.4/57

All: 145.510+/-0.000 χ^2/NDF: 13397987484.

- sign 144.911+/-0.000 χ^2/NDF: 8838101868.4/59

yield_bcm_dg_ds_rms vs Slug



Right In: 0.443+/-0.000 χ^2/NDF: 4246780.1/32

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

Right Out: 0.436+/-0.000 χ^2/NDF: 4002575.8/36

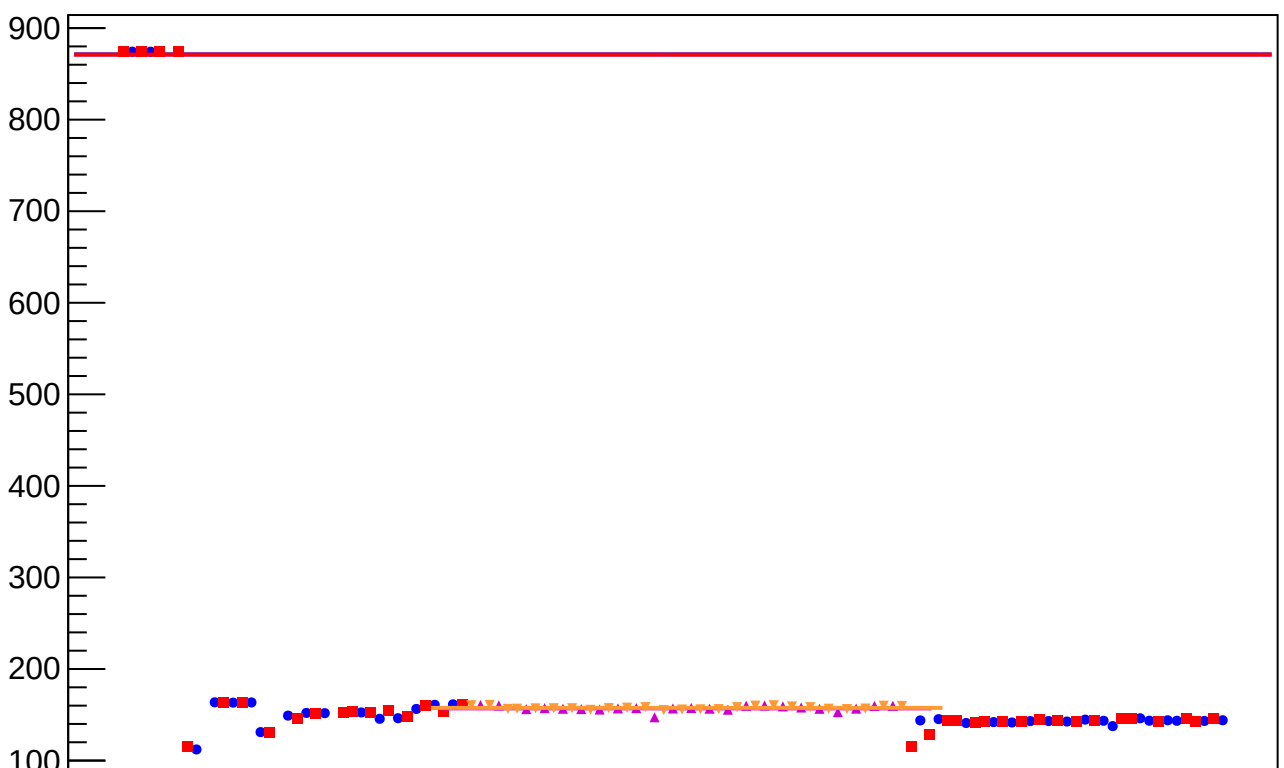
Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.442+/-0.000 χ^2/NDF: 5923505.6/57

All: 0.442+/-0.000 χ^2/NDF: 11241825.1/117

- sign 0.442+/-0.000 χ^2/NDF: 5318292.9/59

yield_cav4bQ_mean vs Slug



Right In: 871.275+/-0.000 χ^2/NDF: 15238043513711.6/32

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.053+/-0.000 χ^2/NDF: 18919595986121.8/36

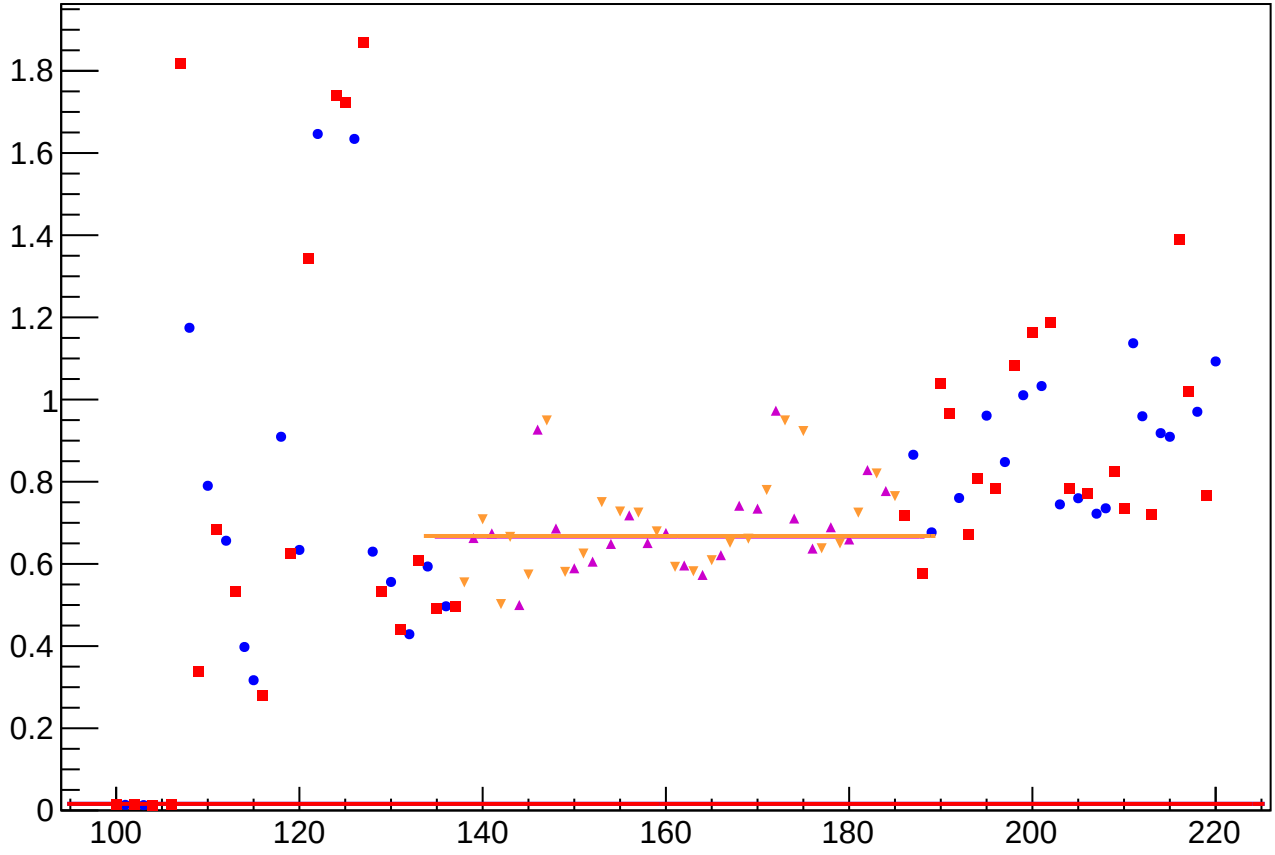
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 867.904+/-0.000 χ^2/NDF: 32414789719112.

All: 868.090+/-0.000 χ^2/NDF: 67793944571

- sign 868.251+/-0.000 χ^2/NDF: 35378692464132.5

yield_cav4bQ_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 31299324.9/32

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.016+/-0.000 χ^2/NDF: 32746210.8/36

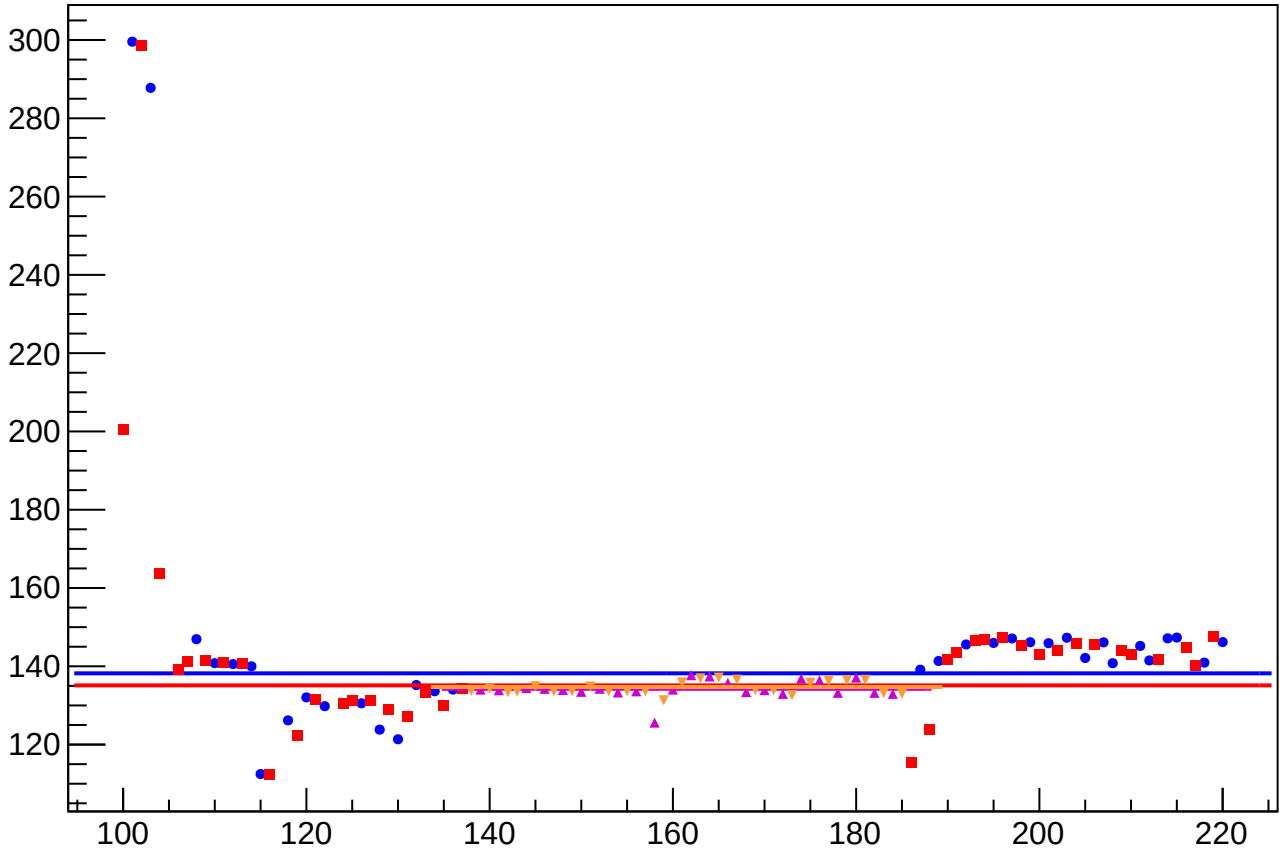
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.019+/-0.000 χ^2/NDF: 60634689.6/57

All: 0.019+/-0.000 χ^2/NDF: 121239837.0/117

- sign 0.019+/-0.000 χ^2/NDF: 60601298.1/59

yield_cav4cQ_mean vs Slug



Right In: 138.201+/-0.000 χ^2/NDF: 3791328398.8/32

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 135.123+/-0.000 χ^2/NDF: 5767866997.8/36

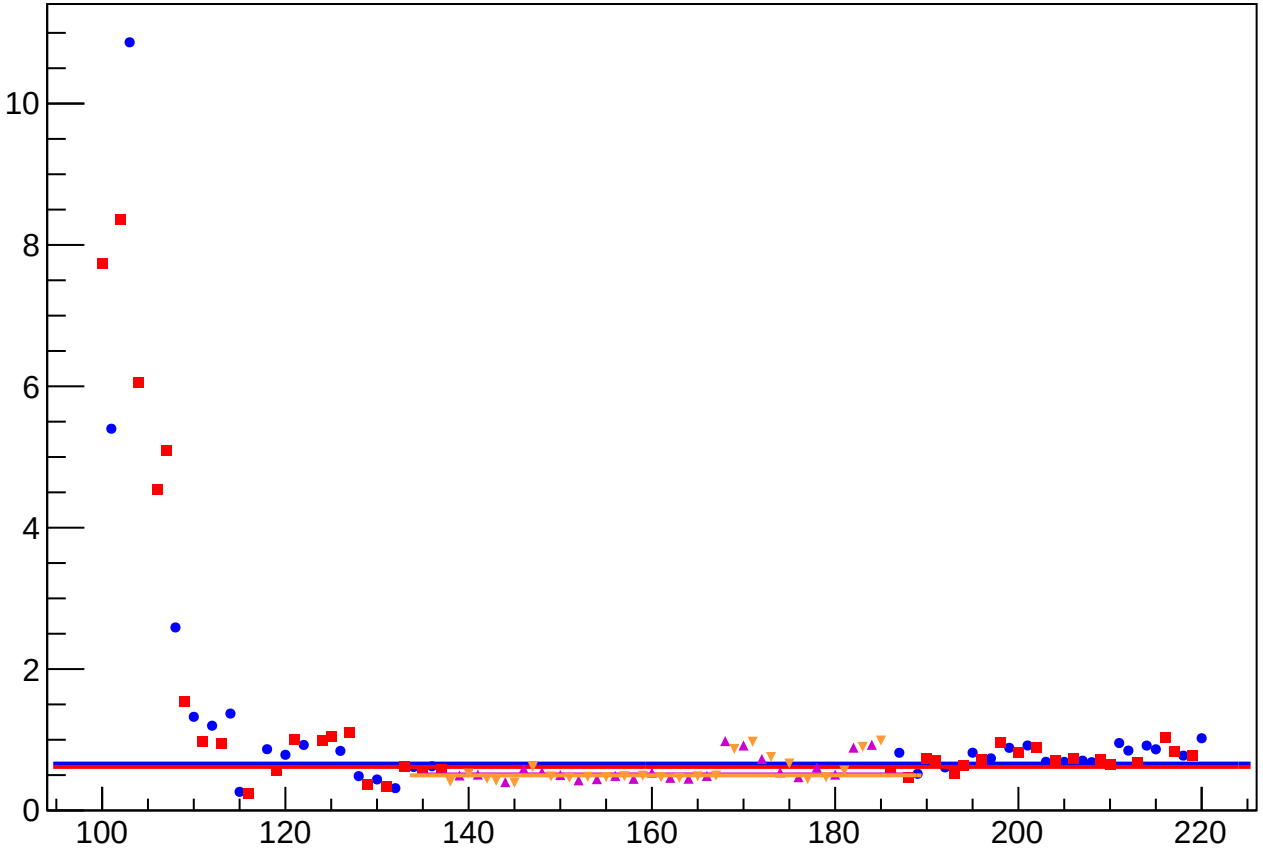
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 135.879+/-0.000 χ^2/NDF: 4223206919.1/57

All: 135.239+/-0.000 χ^2/NDF: 10533450314.

- sign 134.597+/-0.000 χ^2/NDF: 6227723174.6/59

yield_cav4cQ_rms vs Slug



Right In: 0.663+/-0.000 χ^2/NDF: 5641267.2/32

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.616+/-0.000 χ^2/NDF: 6475041.4/36

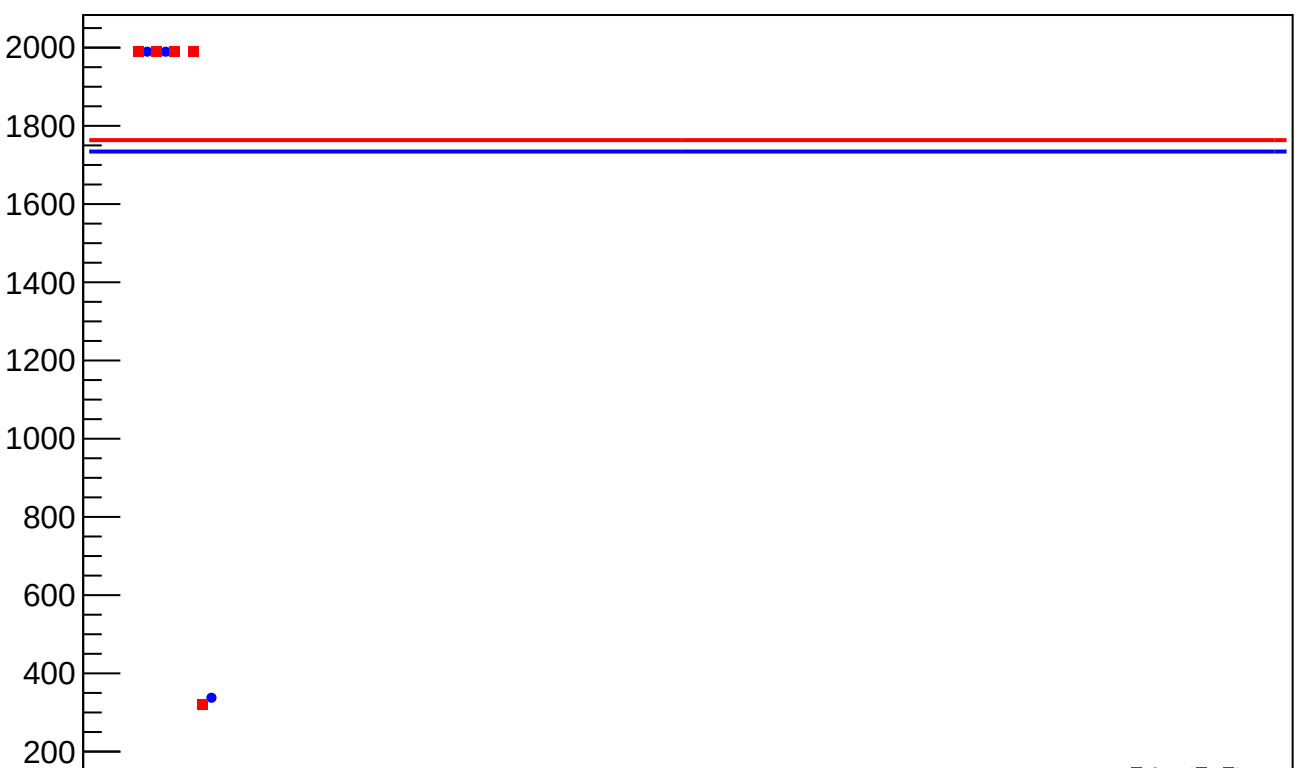
Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.552+/-0.000 χ^2/NDF: 8442308.2/57

All: 0.552+/-0.000 χ^2/NDF: 16950141.1/117

- sign 0.552+/-0.000 χ^2/NDF: 8507824.8/59

yield_cav4dQ_mean vs Slug



Right In: 1734.362+/-0.000 χ^2/NDF: 247859608334871.8/32

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1763.449+/-0.000 χ^2/NDF: 260530135647787.5/36

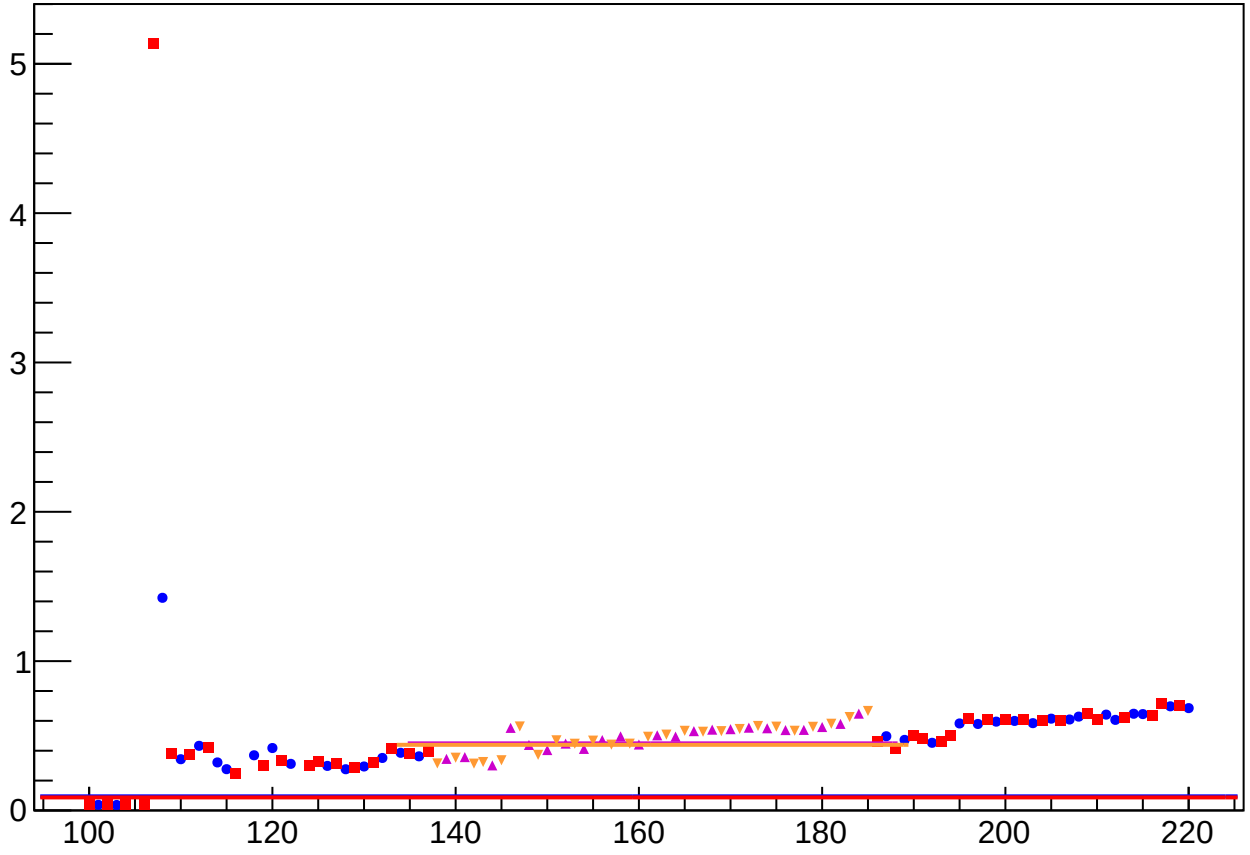
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1522.867+/-0.000 χ^2/NDF: 45323445754726

All: 1558.164+/-0.000 χ^2/NDF: 9158264628

- sign 1589.370+/-0.000 χ^2/NDF: 46094657264445

yield_cav4dQ_rms vs Slug



Right In: 0.095+/-0.000 χ^2/NDF: 28273647.2/32

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

Right Out: 0.087+/-0.000 χ^2/NDF: 28647237.3/36

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.140+/-0.000 χ^2/NDF: 49212199.7/57

All: 0.133+/-0.000 χ^2/NDF: 99206673.1/117

- sign 0.126+/-0.000 χ^2/NDF: 49844855.8/59

Right In: 158.246+/-0.000 χ^2/NDF: 16170905200.2/32

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 157.883+/-0.000 χ^2/NDF: 18419583233.6/36

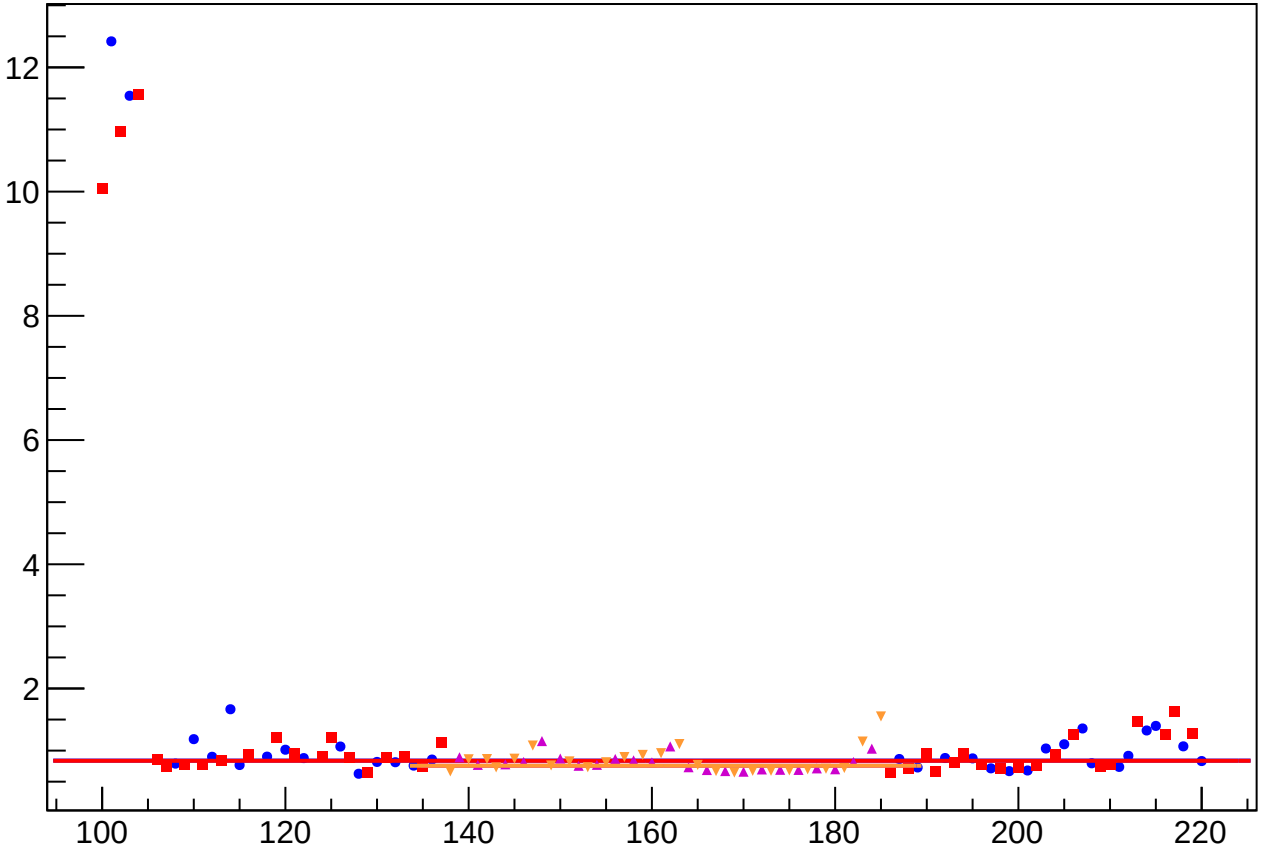
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 159.851+/-0.000 χ^2/NDF: 20002180982.3/57

All: 159.470+/-0.000 χ^2/NDF: 42229093344.

- sign 159.087+/-0.000 χ^2/NDF: 22214000859.6/59

yield_bcm0l02_rms vs Slug



Right In: 0.839+/-0.000 χ^2/NDF: 3302024.3/32

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

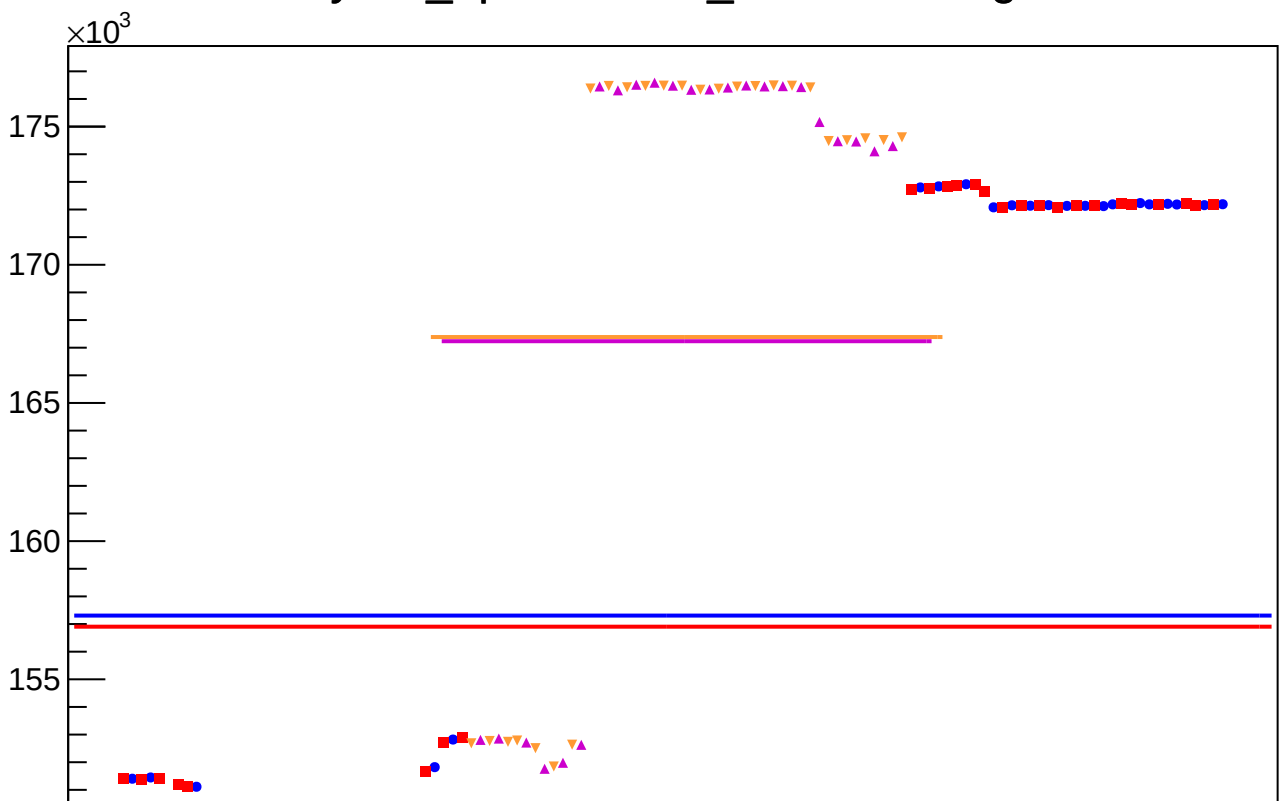
Right Out: 0.836+/-0.000 χ^2/NDF: 3390676.4/36

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.793+/-0.000 χ^2/NDF: 4203036.0/57

All: 0.793+/-0.000 χ^2/NDF: 8209128.7/117

- sign 0.793+/-0.000 χ^2/NDF: 4006086.3/59



Right In: 157305.976+/-0.045 χ^2/NDF: 49264631676.4/32

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156904.381+/-0.043 χ^2/NDF: 53365512501.6/36

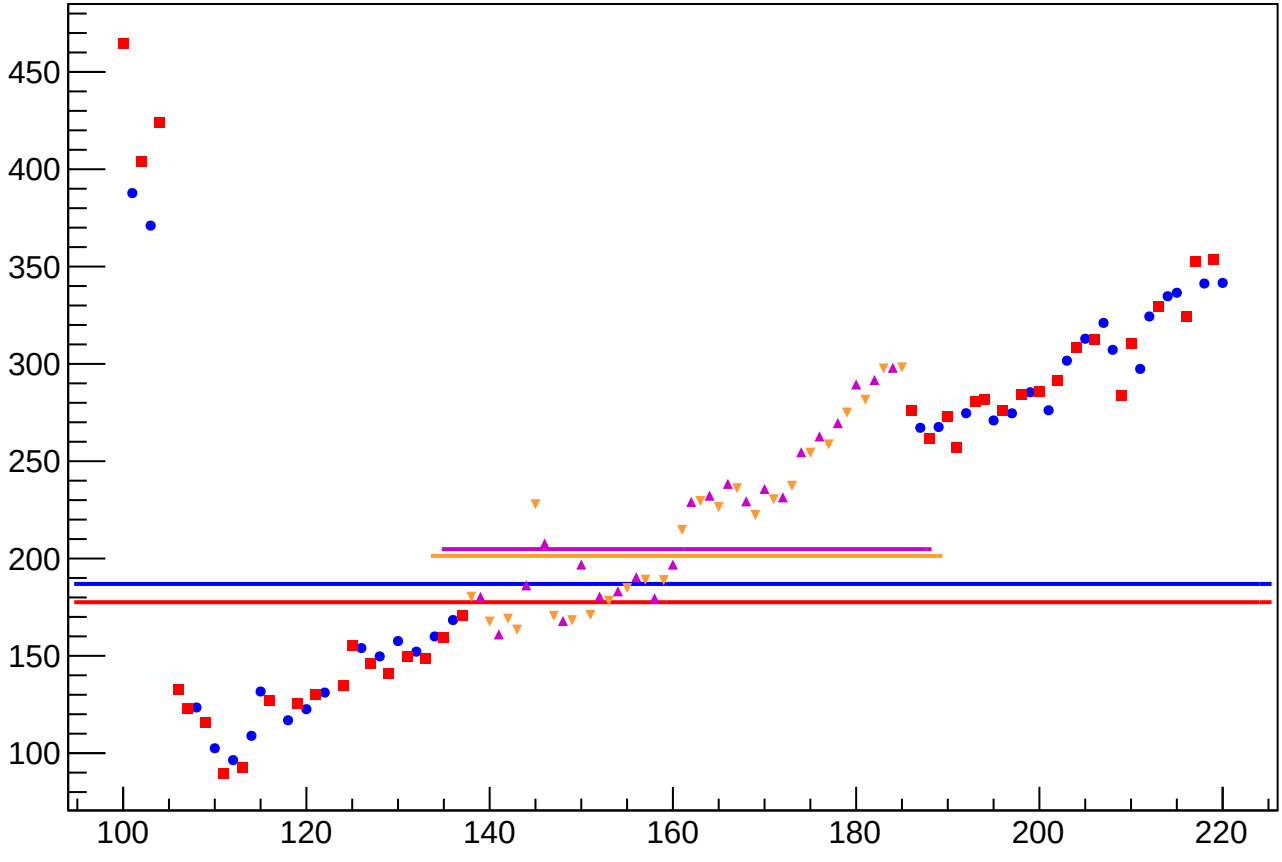
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 162194.018+/-0.033 χ^2/NDF: 13282749814

All: 161794.766+/-0.023 χ^2/NDF: 2668128

- sign 161402.701+/-0.032 χ^2/NDF: 13368708604

yield_bpm2i01WS_rms vs Slug



Right In: 186.944+/-0.032 χ^2/NDF: 7245954.3/32

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

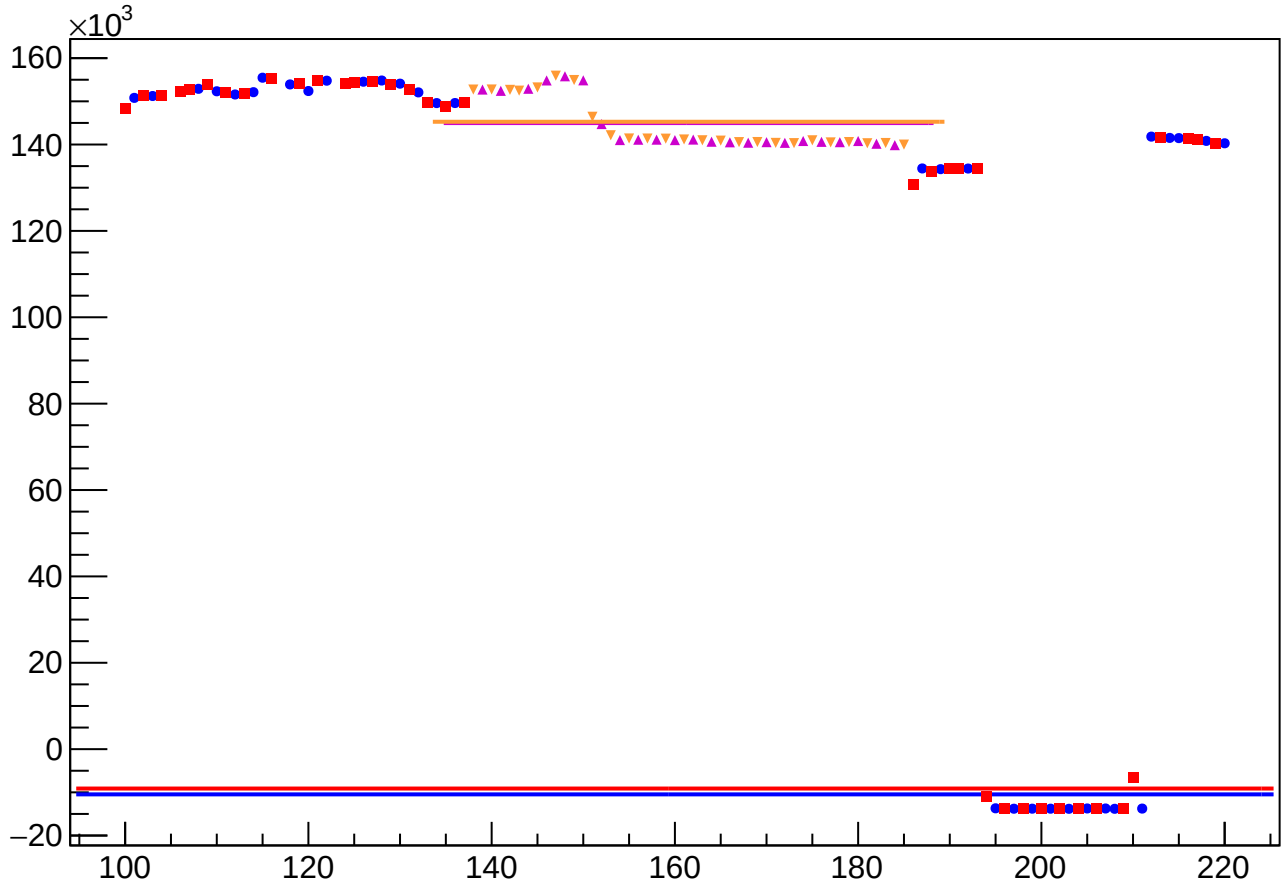
Right Out: 177.552+/-0.030 χ^2/NDF: 8021210.1/36

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 193.920+/-0.023 χ^2/NDF: 8574204.5/57

All: 191.654+/-0.016 χ^2/NDF: 18019429.5/11

- sign 189.429+/-0.023 χ^2/NDF: 9426007.5/59



Right In: -10470.451+/-0.009 χ^2/NDF: 6876547847358.9/32

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9119.381+/-0.009 χ^2/NDF: 7852949154267.0/36

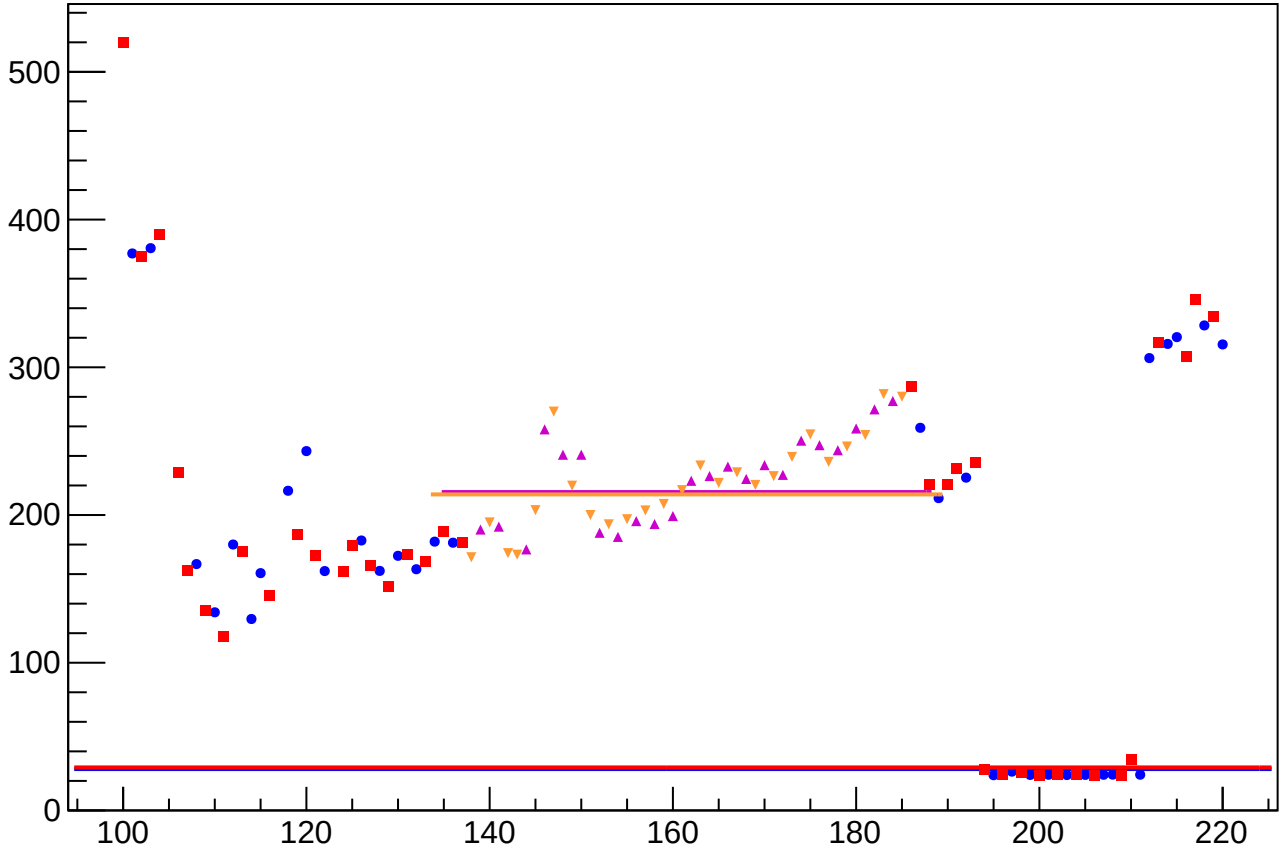
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -5747.071+/-0.009 χ^2/NDF: 1653280001377

All: -4991.809+/-0.006 χ^2/NDF: 3317741392

- sign -4123.990+/-0.009 χ^2/NDF: 16628042850591

yield_bpm0i07WS_rms vs Slug



Right In: 28.034+/-0.006 χ^2/NDF: 19926291.7/32

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

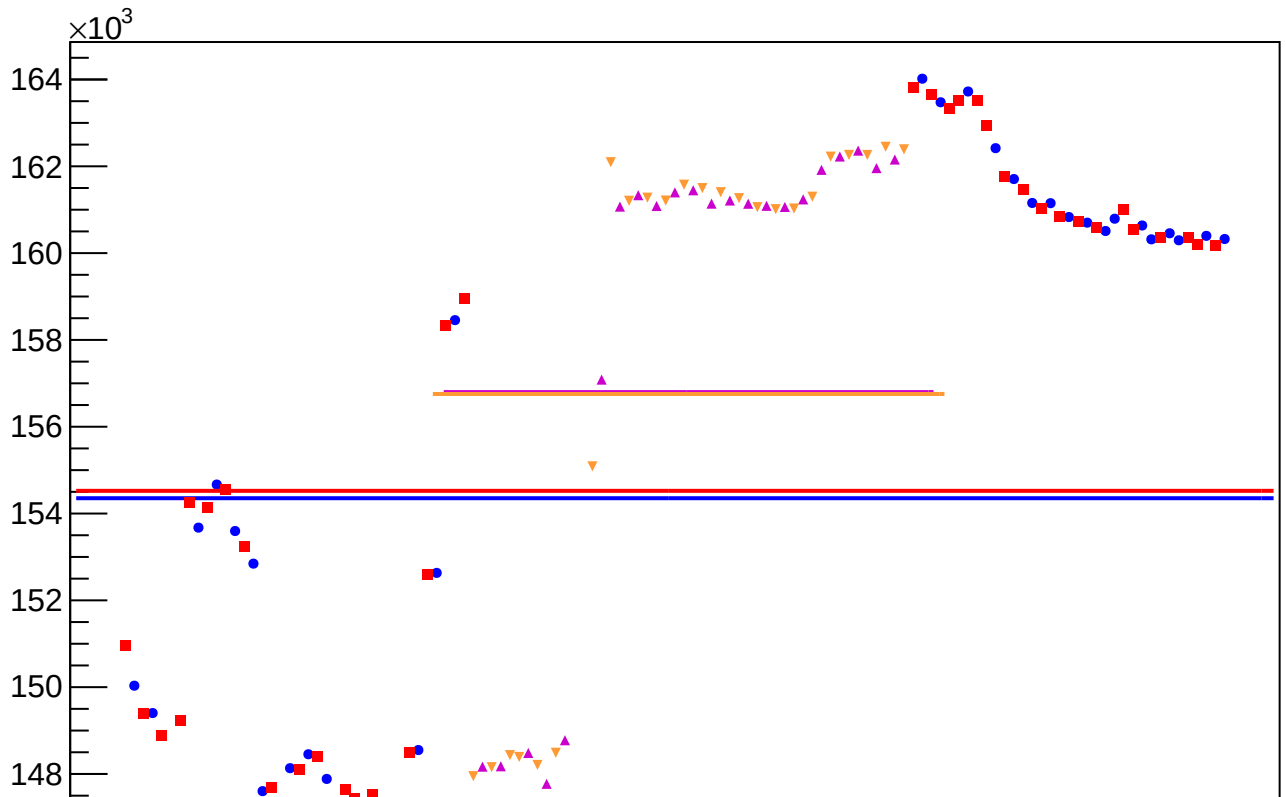
Right Out: 29.134+/-0.007 χ^2/NDF: 20048647.3/36

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.672+/-0.006 χ^2/NDF: 48059609.7/57

All: 34.373+/-0.004 χ^2/NDF: 94383259.8/117

- sign 35.177+/-0.007 χ^2/NDF: 46295166.3/59



Right In: 154353.097+/-0.051 χ^2/NDF: 13132034278.7/32

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 154523.179+/-0.049 χ^2/NDF: 13795921348.8/36

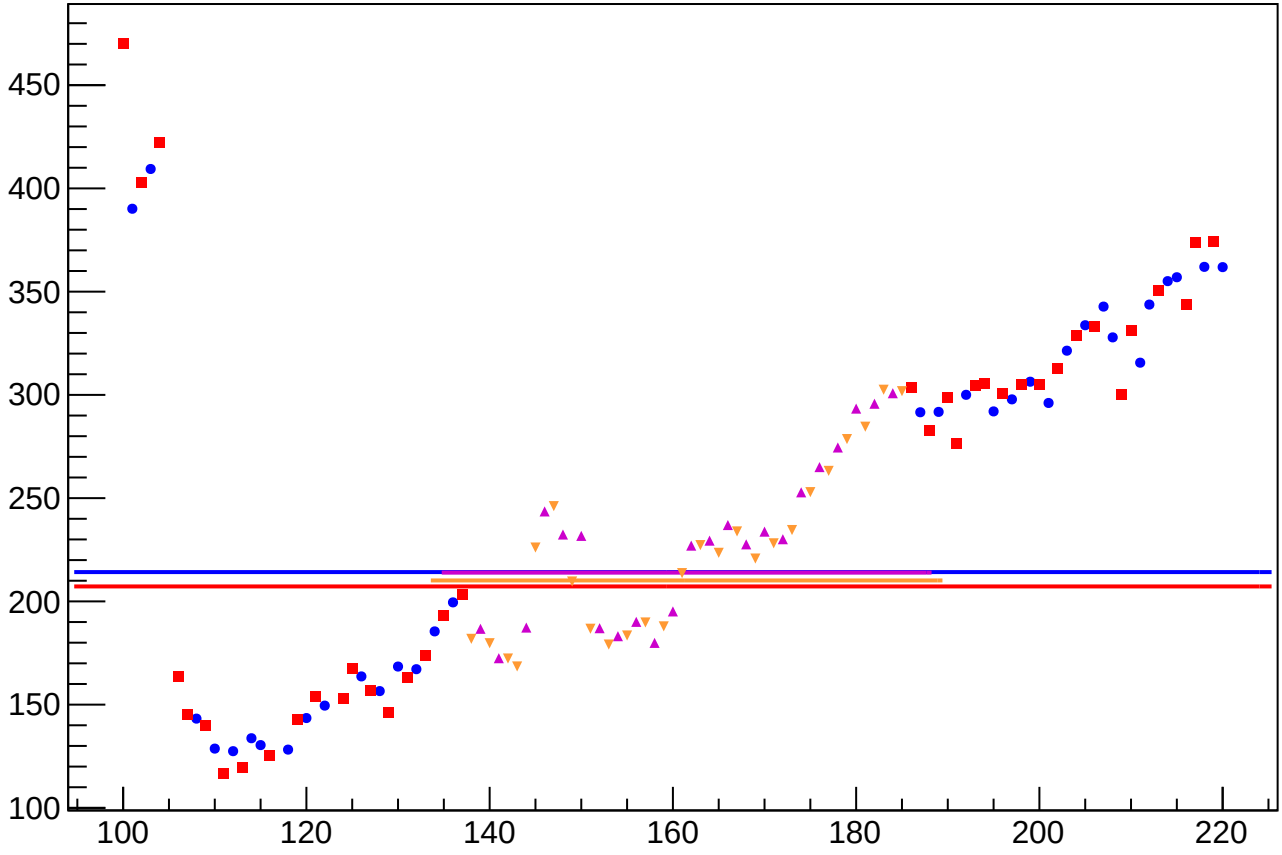
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155610.886+/-0.035 χ^2/NDF: 30673280914.

All: 155614.871+/-0.025 χ^2/NDF: 59846546

- sign 155618.892+/-0.035 χ^2/NDF: 29173240169.

yield_bpm0i01WS_rms vs Slug



Right In: 214.190+/-0.036 χ^2/NDF: 6001396.0/32

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

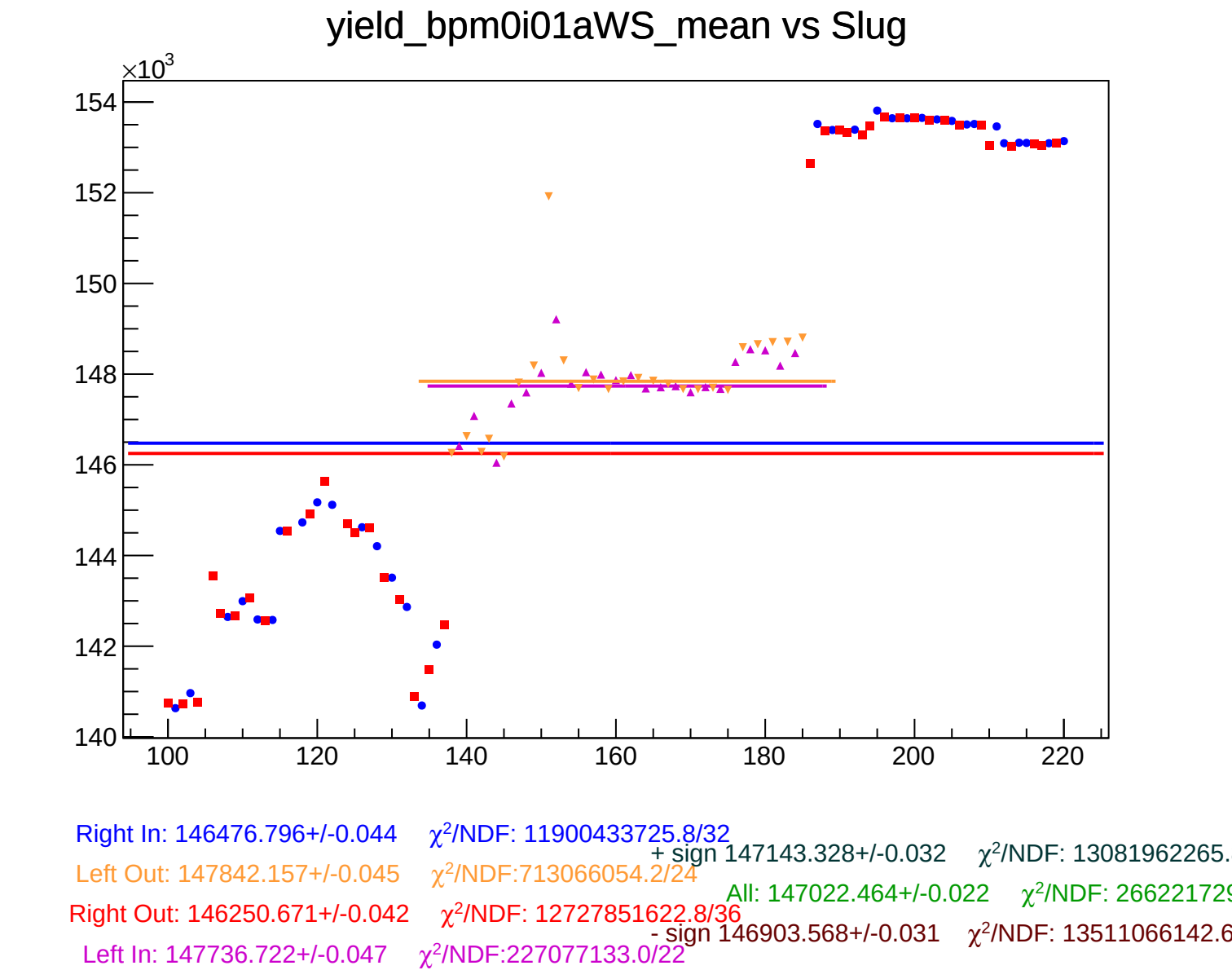
Right Out: 207.241+/-0.035 χ^2/NDF: 6400022.2/36

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

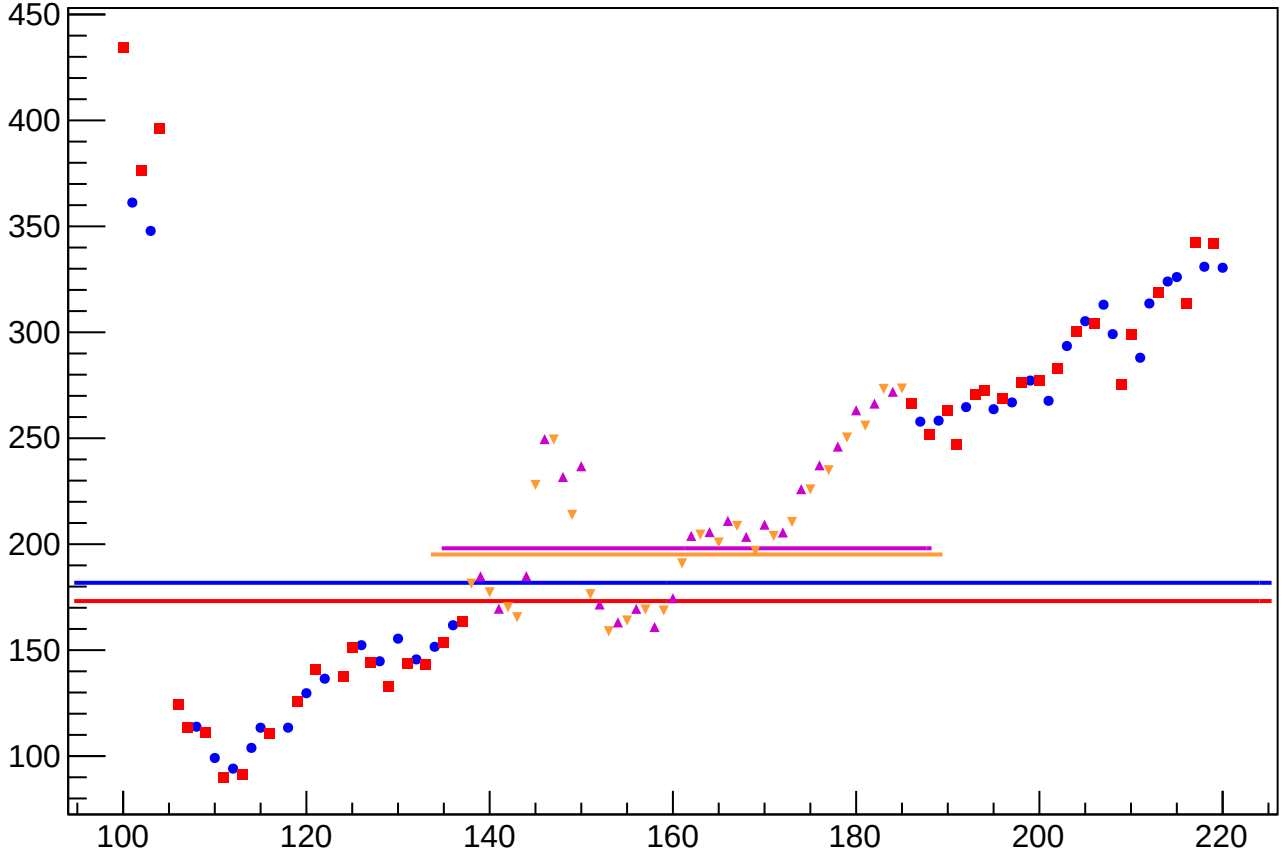
+ sign 212.070+/-0.025 χ^2/NDF: 7005794.9/57

All: 211.274+/-0.018 χ^2/NDF: 14340283.0/11

- sign 210.470+/-0.025 χ^2/NDF: 7332433.7/59


yield_bpm0i01aWS_mean vs Slug
×10^3
154
152
150
148
146
144
142
140
100
120
140
160
180
200
220
Right In: 146476.796+/-0.044 χ²/NDF: 11900433725.8/32
Left Out: 147842.157+/-0.045 χ²/NDF:713066054.2/24
Right Out: 146250.671+/-0.042 χ²/NDF: 12727851622.8/36
Left In: 147736.722+/-0.047 χ²/NDF:227077133.0/22
+ sign 147143.328+/-0.032 χ²/NDF: 13081962265.
All: 147022.464+/-0.022 χ²/NDF: 26622172
- sign 146903.568+/-0.031 χ²/NDF: 13511066142.6

yield_bpm0i01aWS_rms vs Slug



Right In: 181.782+/-0.031 χ^2/NDF: 7171615.2/32

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

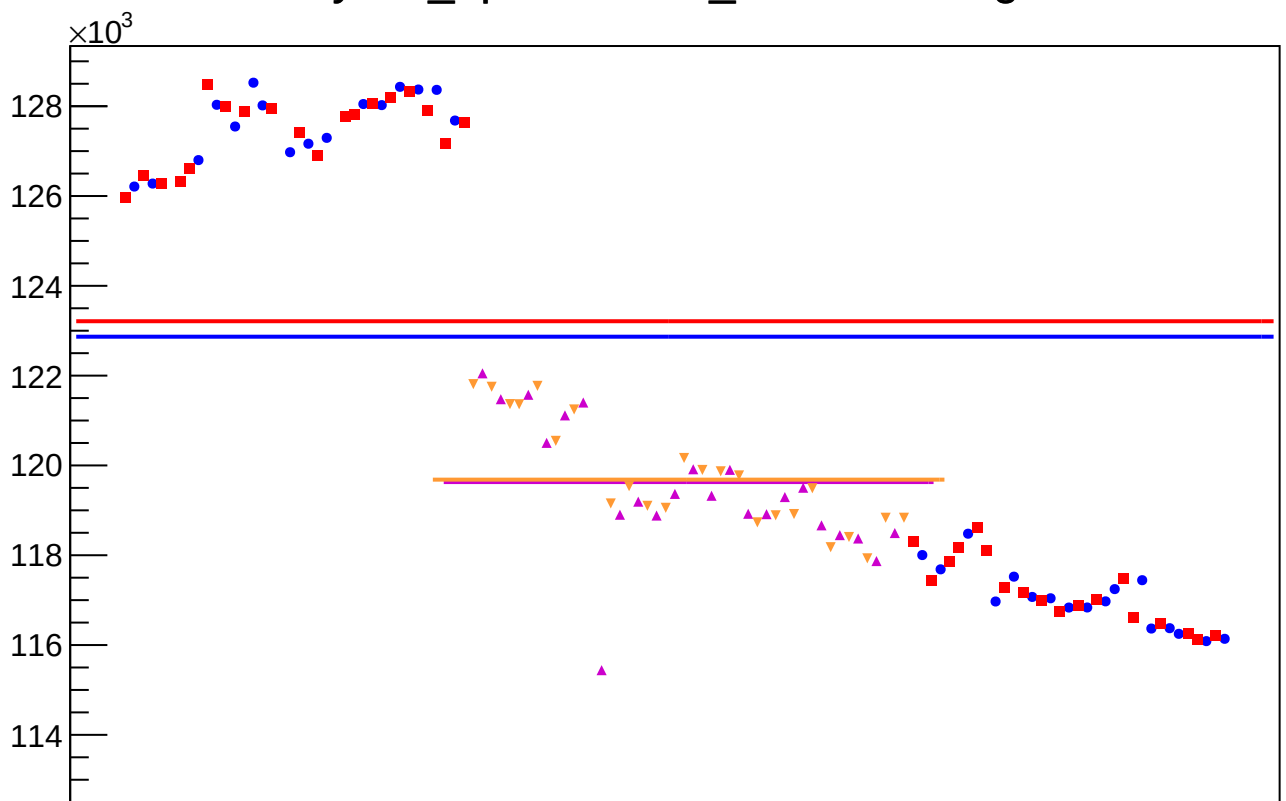
Right Out: 173.168+/-0.030 χ^2/NDF: 7840551.3/36

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 188.306+/-0.022 χ^2/NDF: 8165365.9/57

All: 186.187+/-0.016 χ^2/NDF: 17236195.8/11

- sign 184.103+/-0.022 χ^2/NDF: 9052918.6/59



Right In: 122867.034+/-0.043 χ^2/NDF: 15317823325.8/32

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 123211.466+/-0.042 χ^2/NDF: 16053832372.4/36

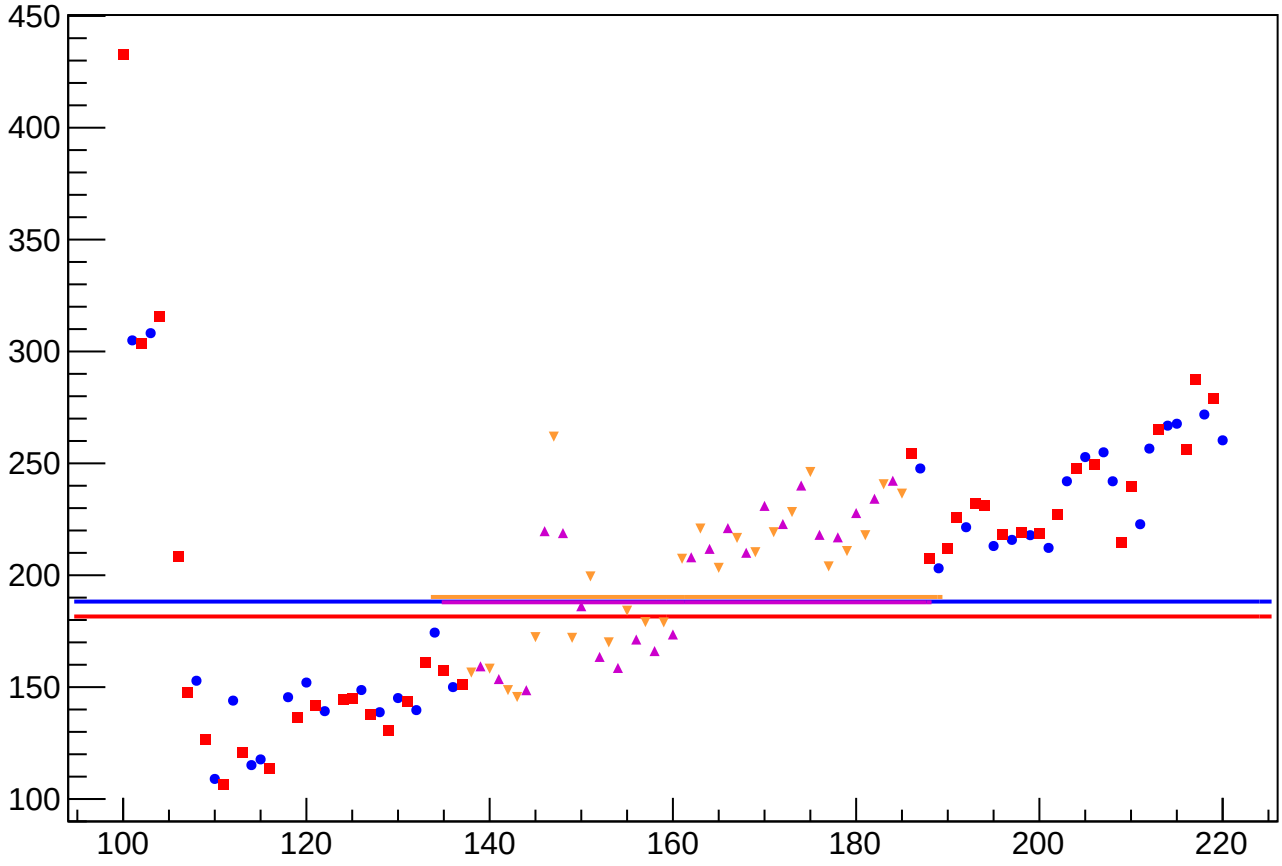
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 121315.025+/-0.031 χ^2/NDF: 19954683465.7

All: 121441.175+/-0.022 χ^2/NDF: 40782491

- sign 121564.097+/-0.031 χ^2/NDF: 20794914534.0

yield_bpm0l01WS_rms vs Slug



Right In: 188.232+/-0.031 χ^2/NDF: 3091403.2/32

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

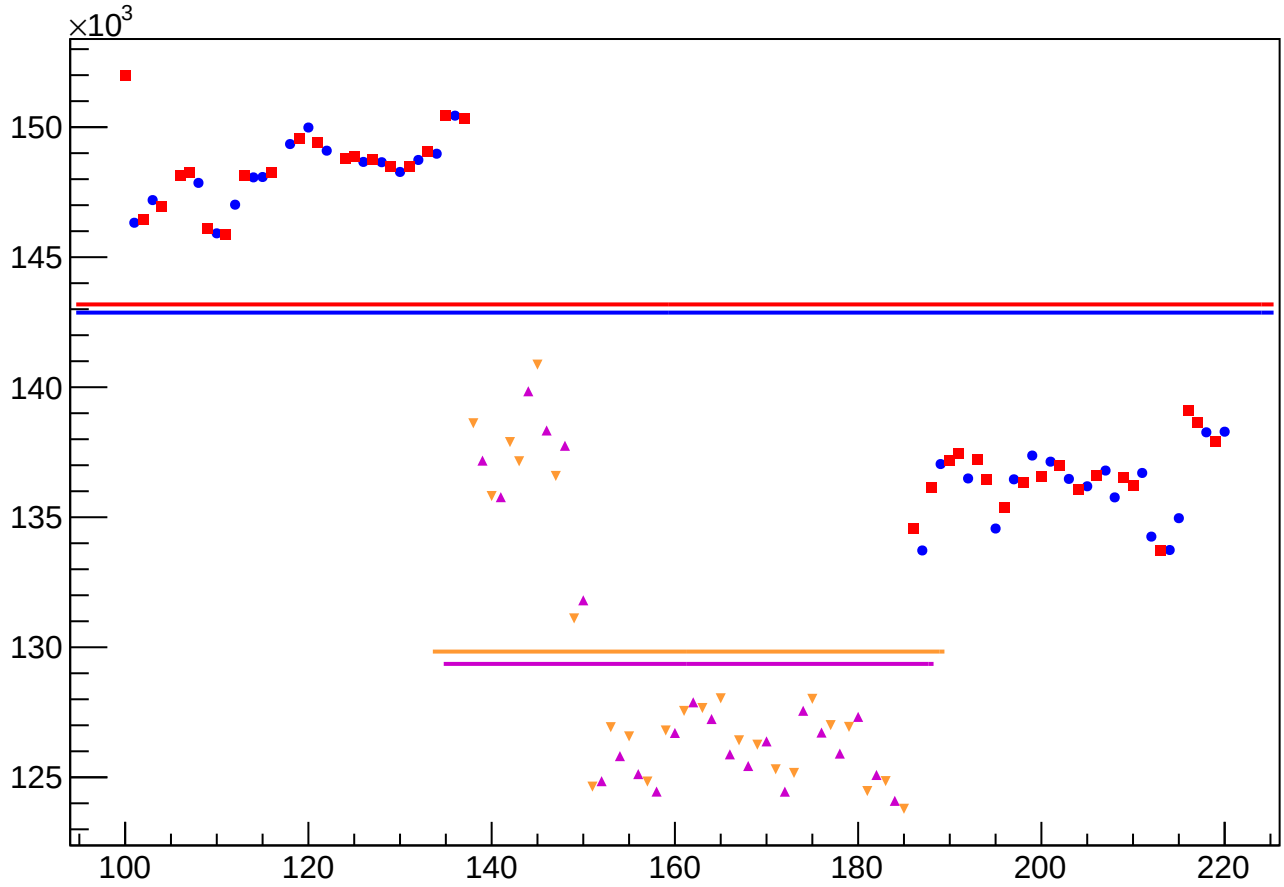
Right Out: 181.569+/-0.029 χ^2/NDF: 3716483.5/36

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 189.239+/-0.022 χ^2/NDF: 4018177.0/57

All: 186.831+/-0.015 χ^2/NDF: 8706126.2/117

- sign 184.485+/-0.022 χ^2/NDF: 4663976.5/59



Right In: 142868.645+/-0.060 χ^2/NDF: 10798936443.3/32

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 143183.537+/-0.058 χ^2/NDF: 10675208279.5/36

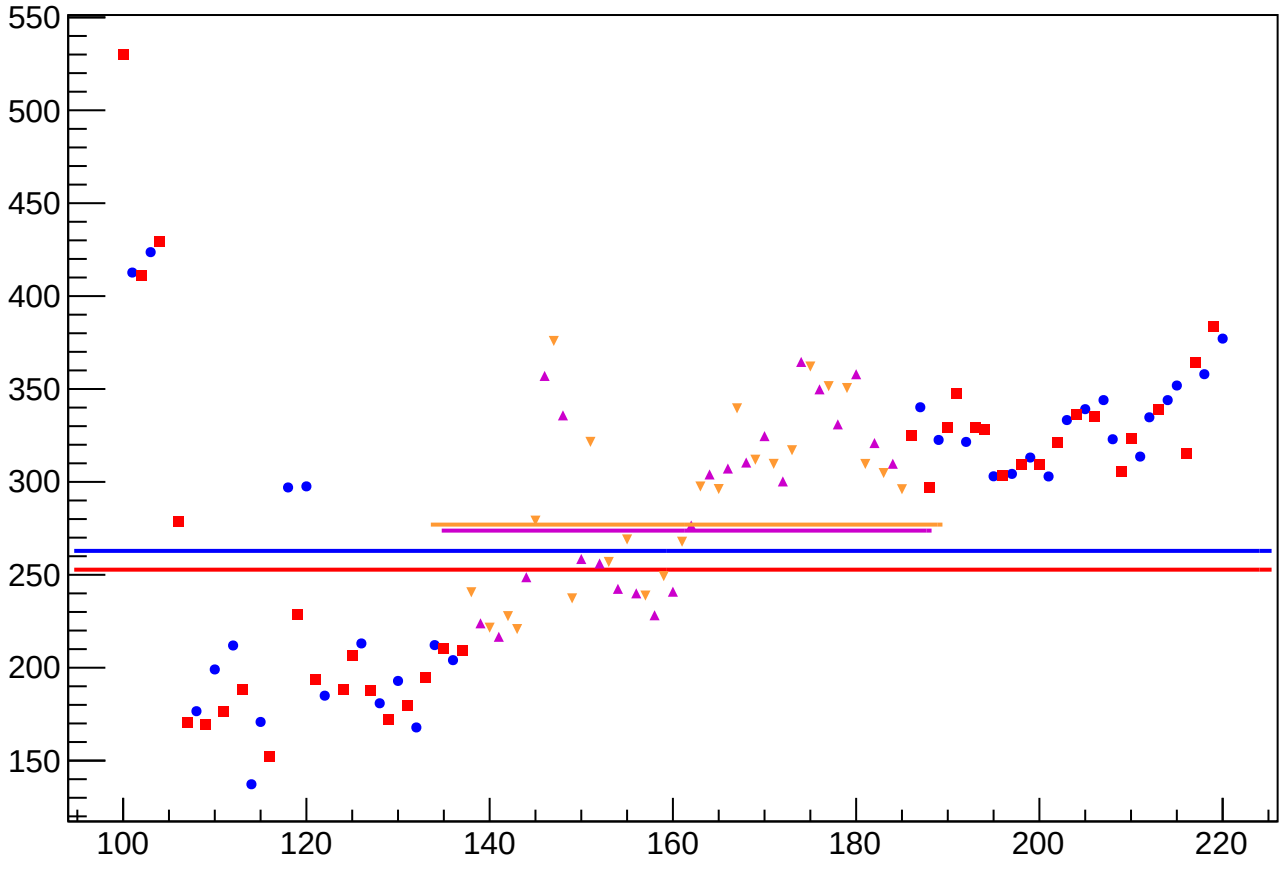
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136764.537+/-0.044 χ^2/NDF: 39508994023.

All: 136955.650+/-0.031 χ^2/NDF: 82027370

- sign 137140.527+/-0.043 χ^2/NDF: 42481147778.2

yield_bpm0l02WS_rms vs Slug



Right In: 262.875+/-0.043 χ^2/NDF: 3089746.2/32

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

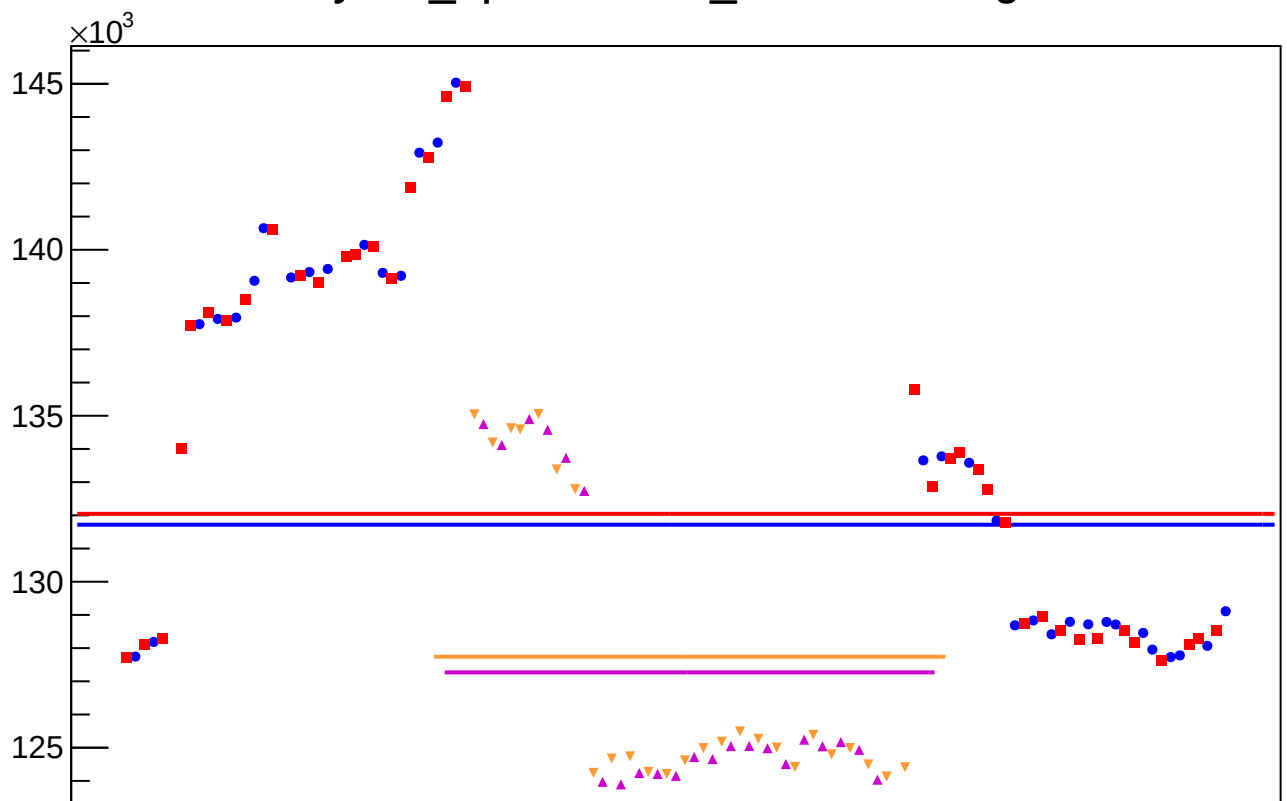
Right Out: 252.766+/-0.041 χ^2/NDF: 3403553.3/36

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 269.499+/-0.031 χ^2/NDF: 4087980.8/57

All: 265.665+/-0.022 χ^2/NDF: 8641853.5/117

- sign 261.955+/-0.031 χ^2/NDF: 4523892.9/59



Right In: 131717.092+/-0.095 χ^2/NDF: 2996247043.7/32

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 132045.486+/-0.097 χ^2/NDF: 2258714248.2/36

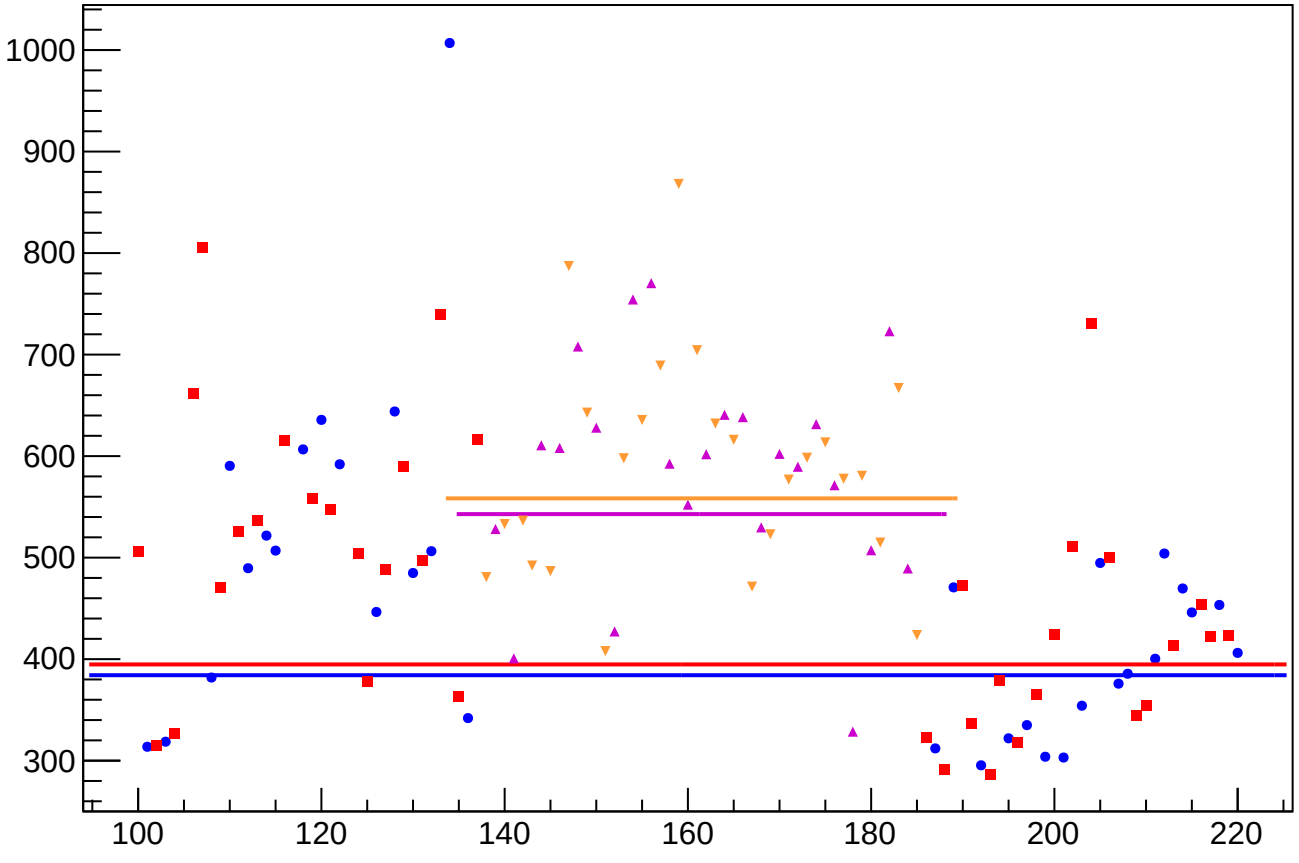
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 130411.376+/-0.078 χ^2/NDF: 4666373190.1

All: 130442.246+/-0.056 χ^2/NDF: 8694054

- sign 130474.554+/-0.079 χ^2/NDF: 4027358350.3/

yield_bpm0l03WS_rms vs Slug



Right In: 384.178+/-0.067 χ^2/NDF: 1800480.7/32

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

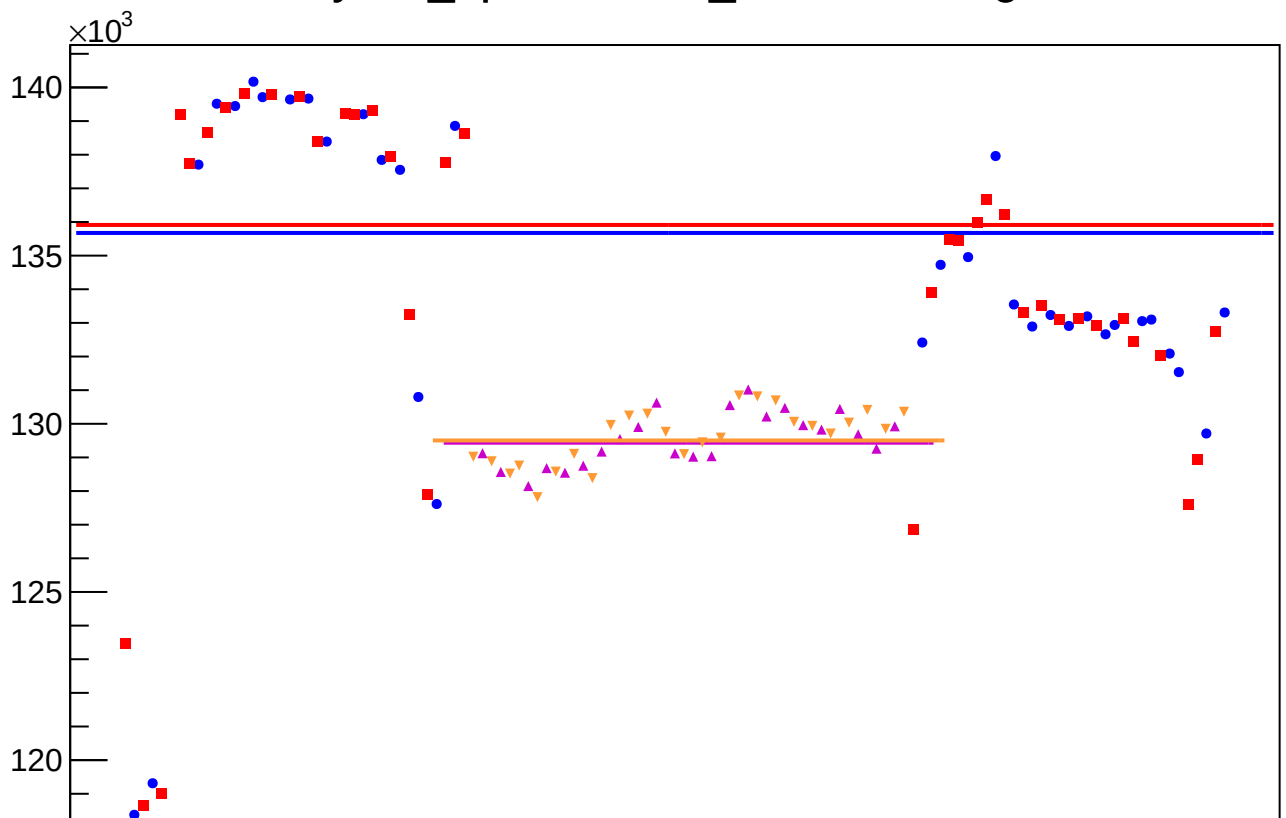
Right Out: 394.801+/-0.069 χ^2/NDF: 2040800.3/36

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 441.384+/-0.055 χ^2/NDF: 4986181.8/57

All: 442.416+/-0.039 χ^2/NDF: 9976384.4/117

- sign 443.495+/-0.056 χ^2/NDF: 4989481.1/59



Right In: 135674.129+/-0.056 χ^2/NDF: 7088649119.0/32

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 135911.818+/-0.053 χ^2/NDF: 7856929614.9/36

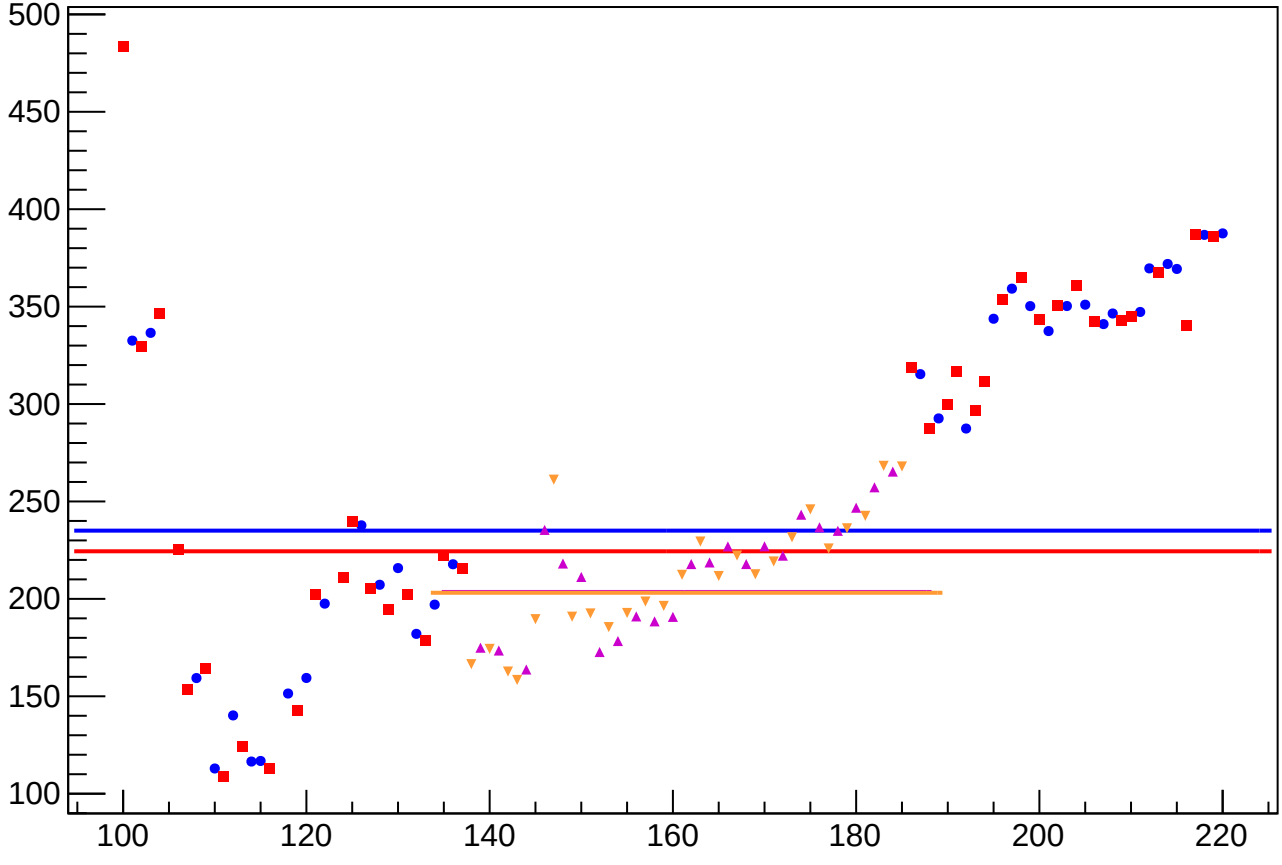
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132056.179+/-0.036 χ^2/NDF: 14513914841.

All: 132211.833+/-0.025 χ^2/NDF: 30760829

- sign 132366.190+/-0.036 χ^2/NDF: 16209662333.

yield_bpm0l04WS_rms vs Slug



Right In: 235.020+/-0.040 χ^2/NDF: 5680898.5/32

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

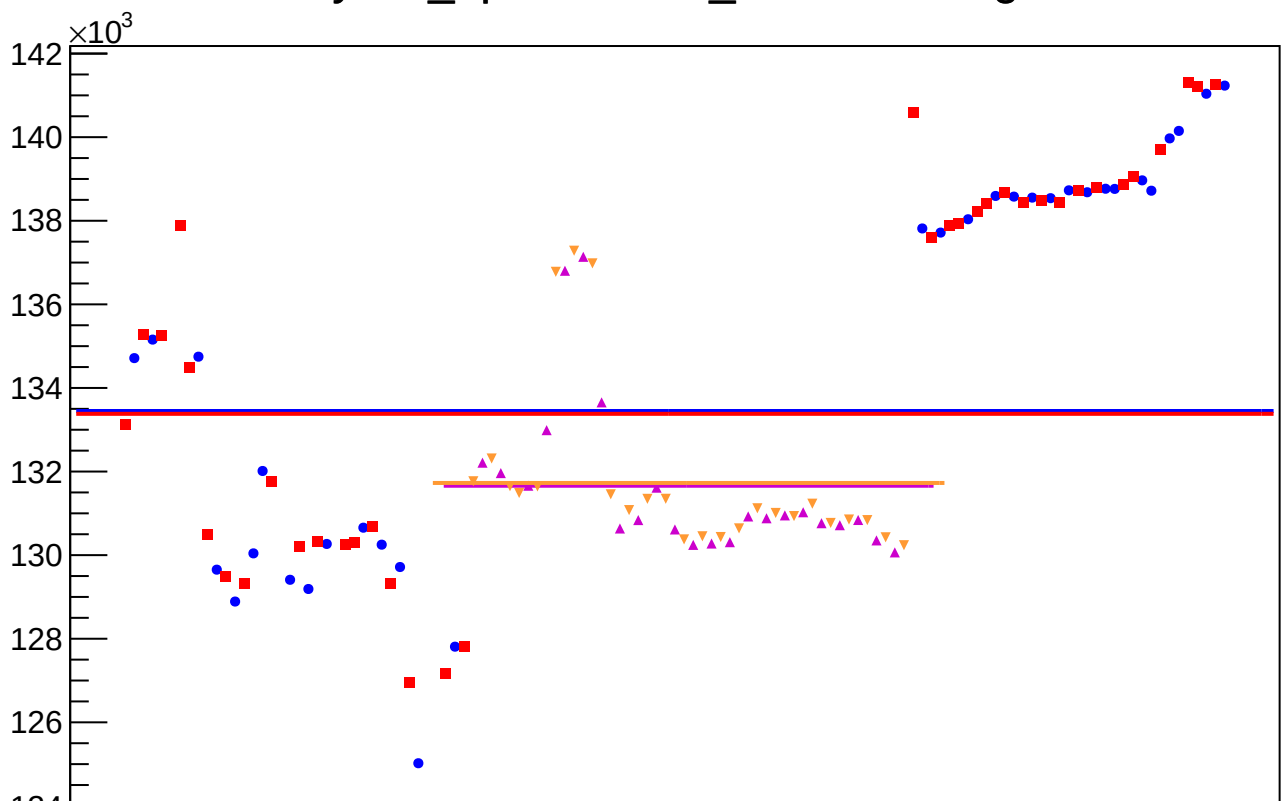
Right Out: 224.421+/-0.038 χ^2/NDF: 6325746.0/36

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 216.317+/-0.025 χ^2/NDF: 6820189.1/57

All: 214.646+/-0.018 χ^2/NDF: 13988634.3/11

- sign 212.989+/-0.025 χ^2/NDF: 7159856.4/59



Right In: 133448.489+/-0.050 χ^2/NDF: 10907360951.8/32

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 133380.842+/-0.048 χ^2/NDF: 10923268045.2/36

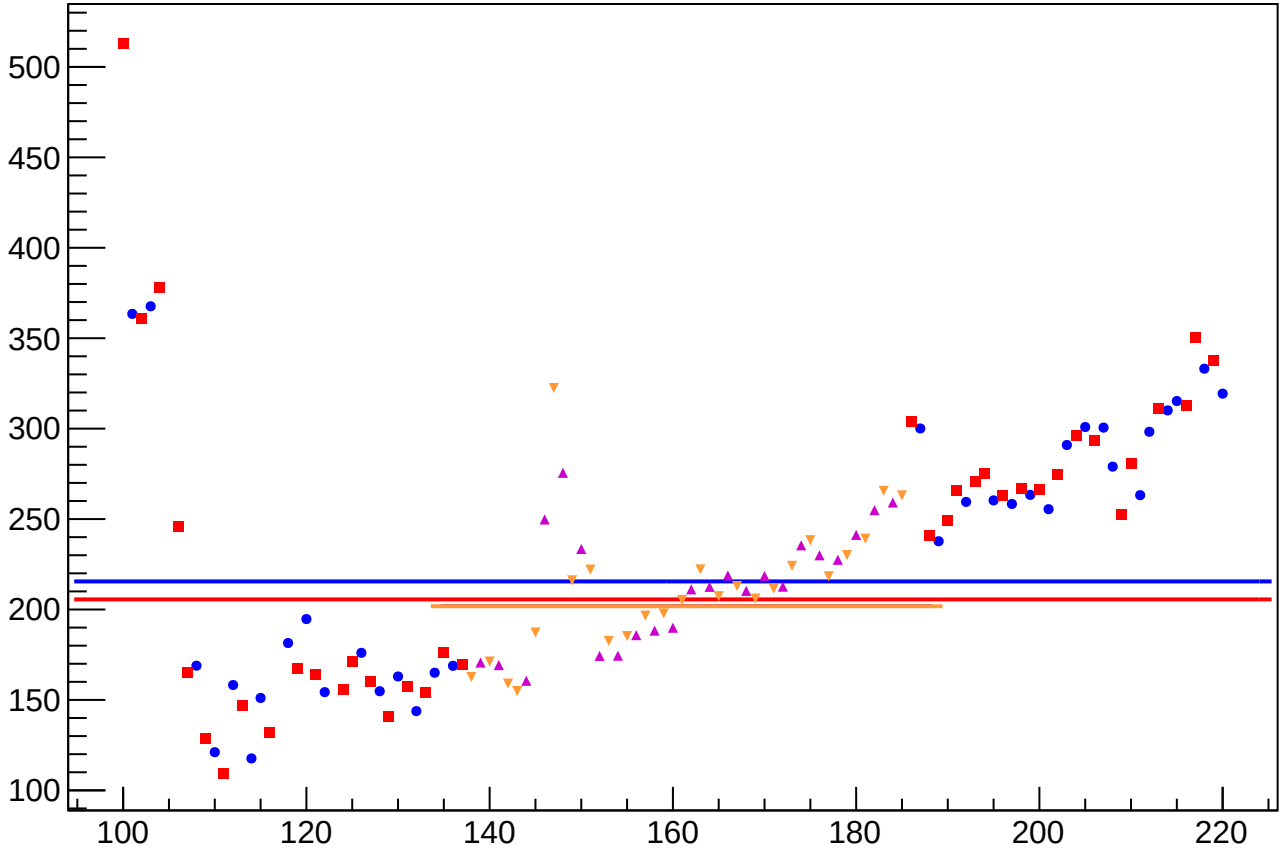
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 132532.012+/-0.034 χ^2/NDF: 12963808641.

All: 132530.535+/-0.024 χ^2/NDF: 25695280

- sign 132529.083+/-0.034 χ^2/NDF: 12731468525.5

yield_bpm0l05WS_rms vs Slug



Right In: 215.526+/-0.035 χ^2/NDF: 3742465.5/32

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

Right Out: 205.584+/-0.034 χ^2/NDF: 4651509.2/36

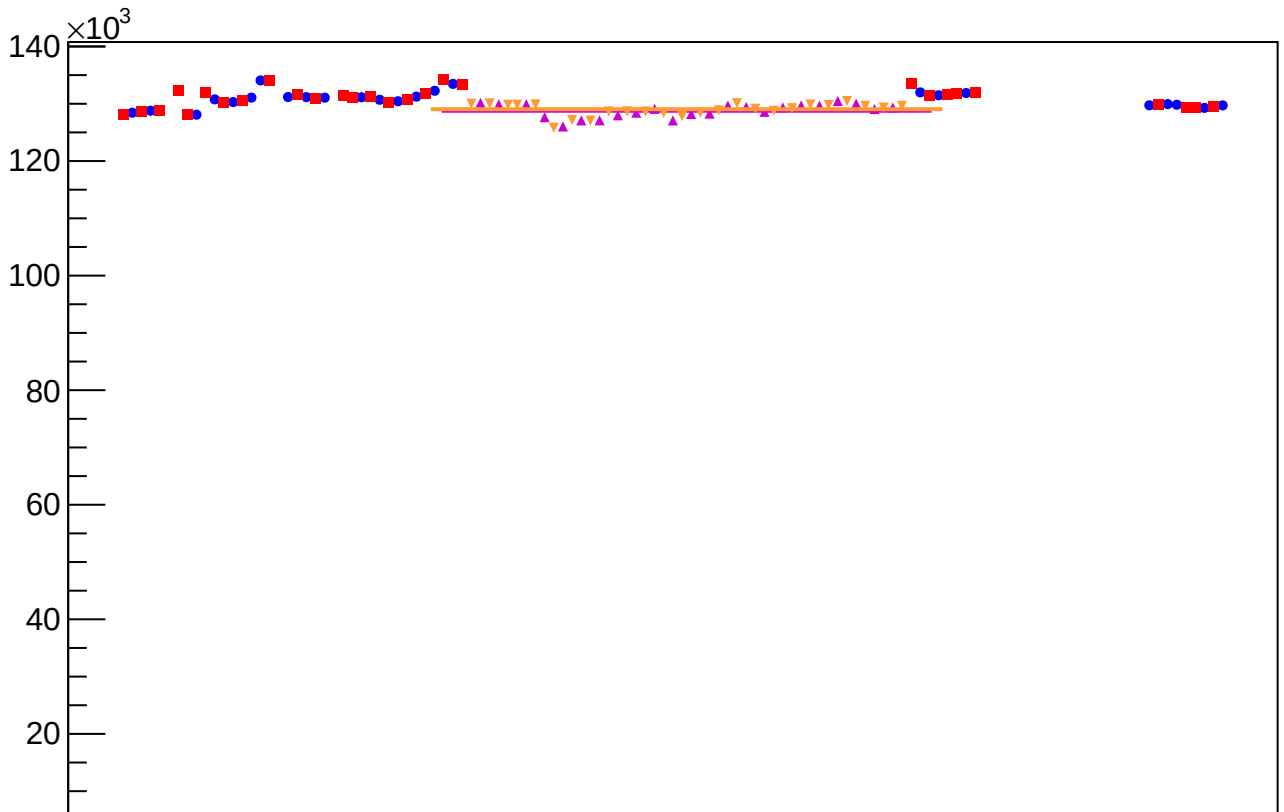
Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 208.217+/-0.024 χ^2/NDF: 4728127.4/57

All: 205.982+/-0.017 χ^2/NDF: 10205057.7/11

- sign 203.783+/-0.024 χ^2/NDF: 5459964.1/59

yield_bpm0l06WS_mean vs Slug



Right In: 3545.415+/-0.005 χ^2/NDF: 5755579825423.9/32

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 3969.416+/-0.005 χ^2/NDF: 6454135559593.5/36

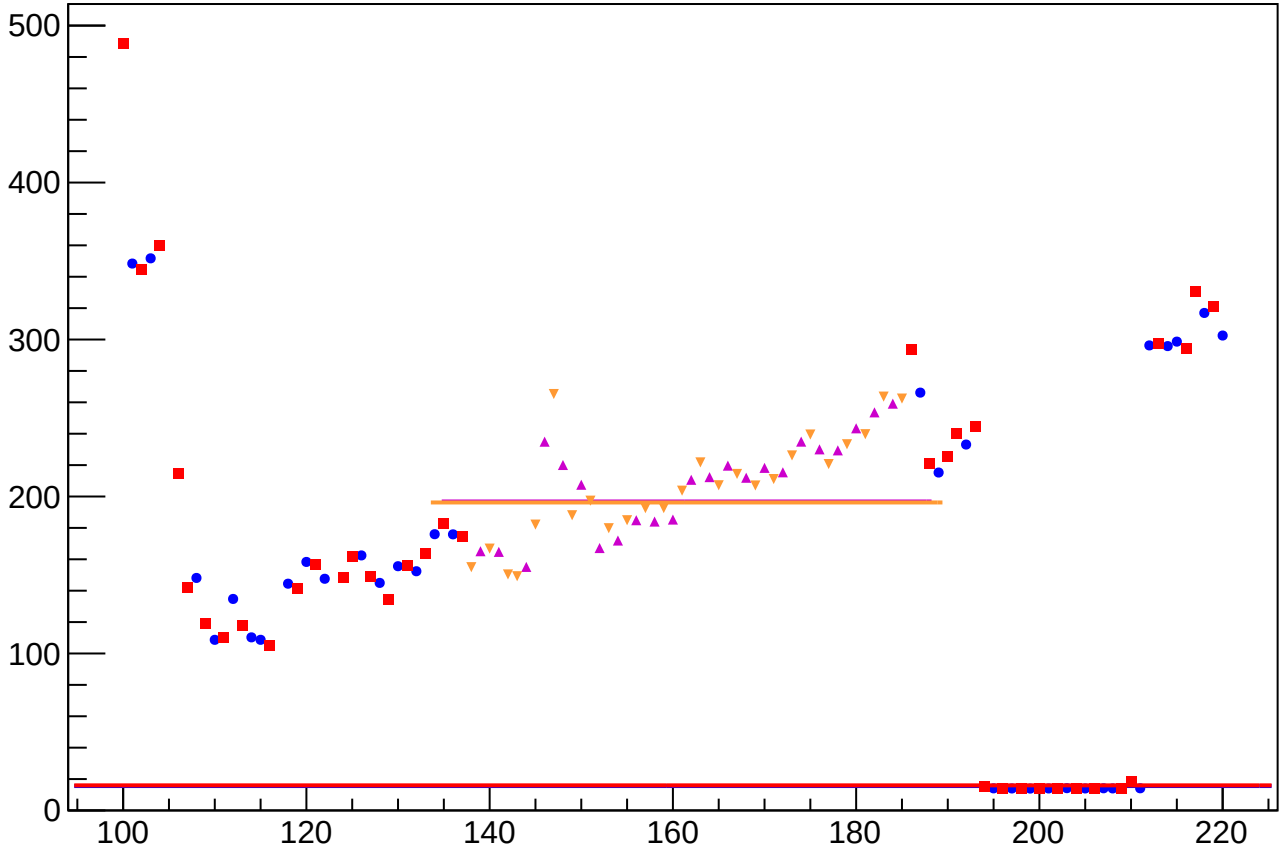
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 5075.202+/-0.005 χ^2/NDF: 13274748547508

All: 5333.390+/-0.004 χ^2/NDF: 2672422189

- sign 5633.524+/-0.005 χ^2/NDF: 13443758632363

yield_bpm0l06WS_rms vs Slug



Right In: 15.549+/-0.004 χ^2/NDF: 22249597.1/32

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

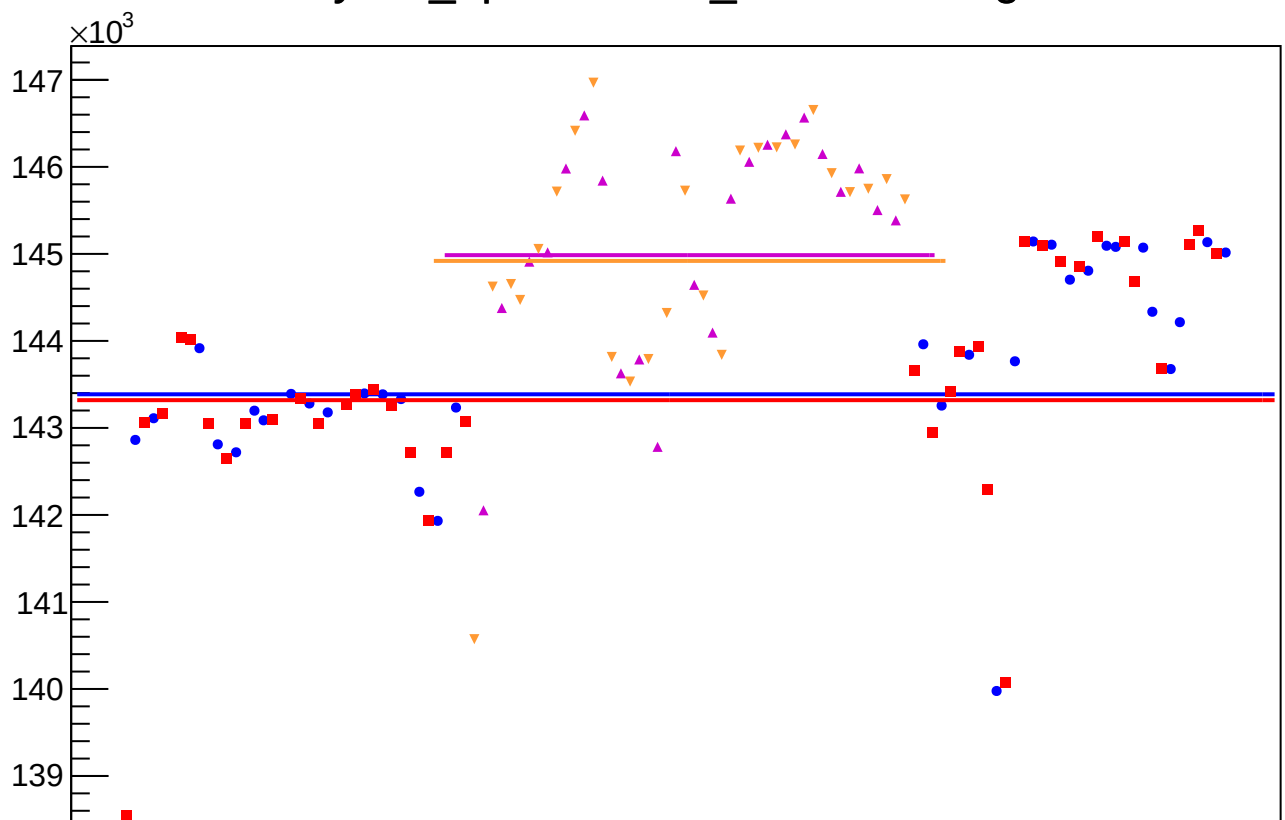
Right Out: 15.992+/-0.004 χ^2/NDF: 22576644.9/36

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 17.751+/-0.004 χ^2/NDF: 54328532.7/57

All: 18.053+/-0.003 χ^2/NDF: 107039169.0/11

- sign 18.404+/-0.004 χ^2/NDF: 52695005.0/59



Right In: 143386.440+/-0.054 χ^2/NDF: 321431792.4/32

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143319.087+/-0.051 χ^2/NDF: 335885206.3/36

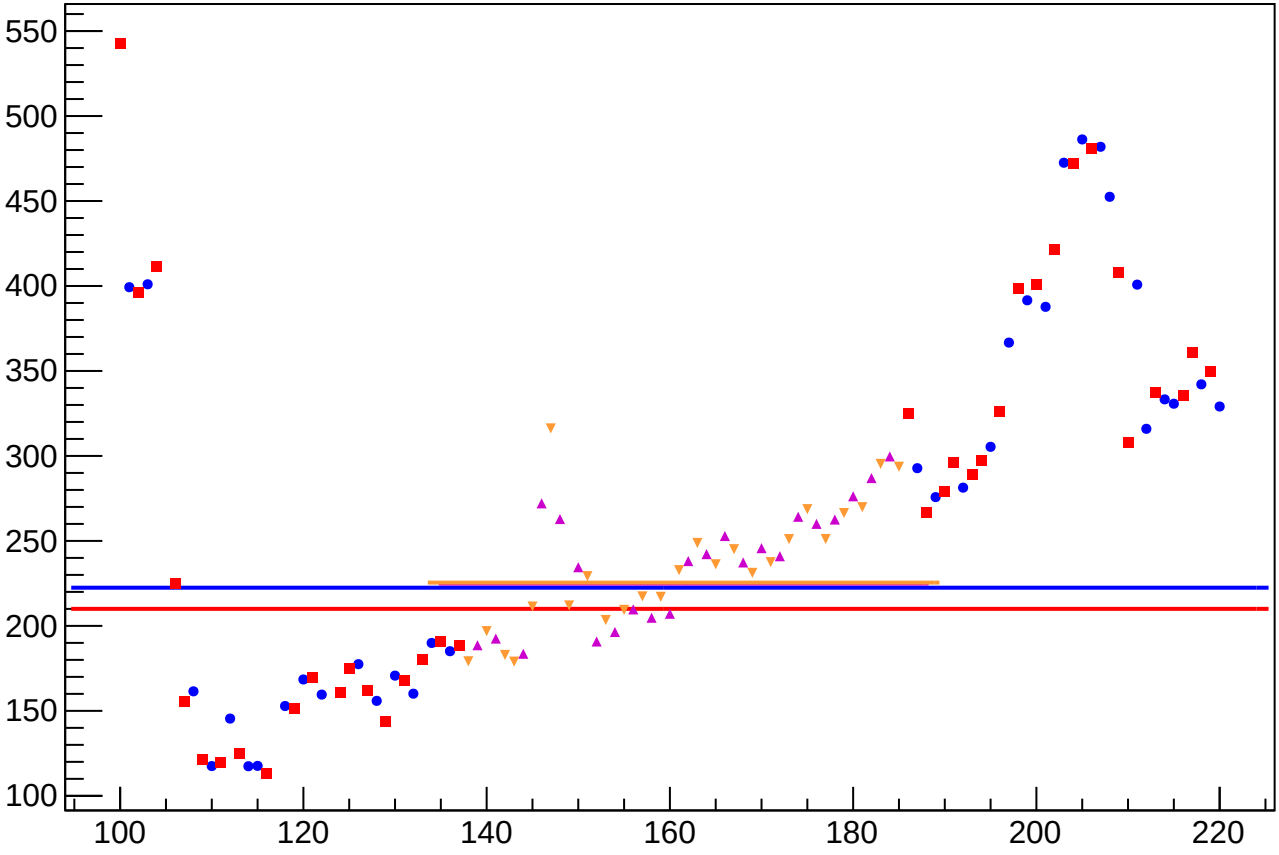
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144177.307+/-0.038 χ^2/NDF: 1573980926.0

All: 144141.859+/-0.026 χ^2/NDF: 30401434

- sign 144107.650+/-0.037 χ^2/NDF: 1464407994.3/

yield_bpm0l07WS_rms vs Slug



Right In: 222.475+/-0.038 χ^2/NDF: 7059881.5/32

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

Right Out: 210.032+/-0.036 χ^2/NDF: 7747646.7/36

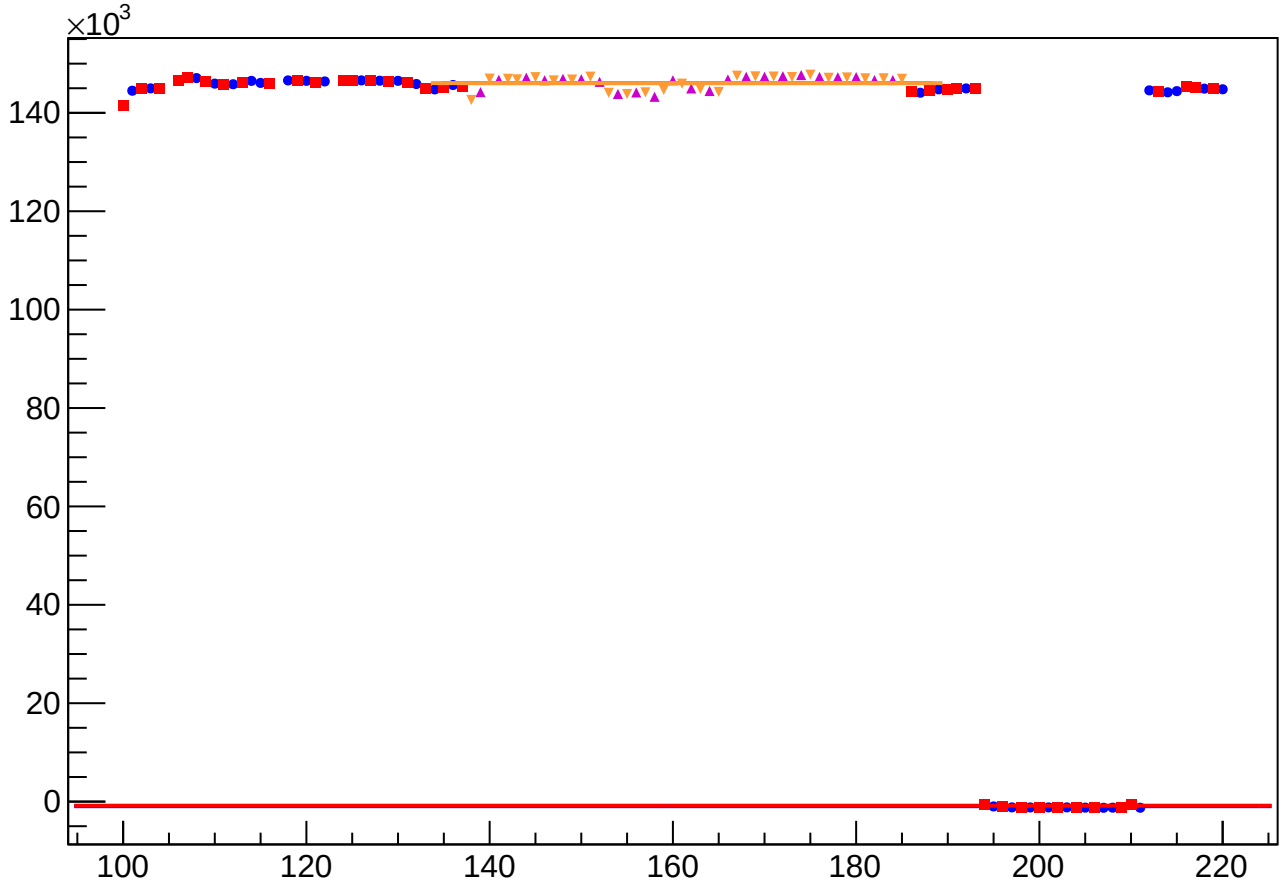
Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 224.024+/-0.027 χ^2/NDF: 7838448.8/57

All: 220.476+/-0.019 χ^2/NDF: 16425870.2/11

- sign 217.052+/-0.026 χ^2/NDF: 8552268.3/59

yield_bpm0l08WS_mean vs Slug



Right In: -929.958+/-0.003 χ^2/NDF: 6214475162100.4/32

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -832.721+/-0.003 χ^2/NDF: 7070981053921.7/36

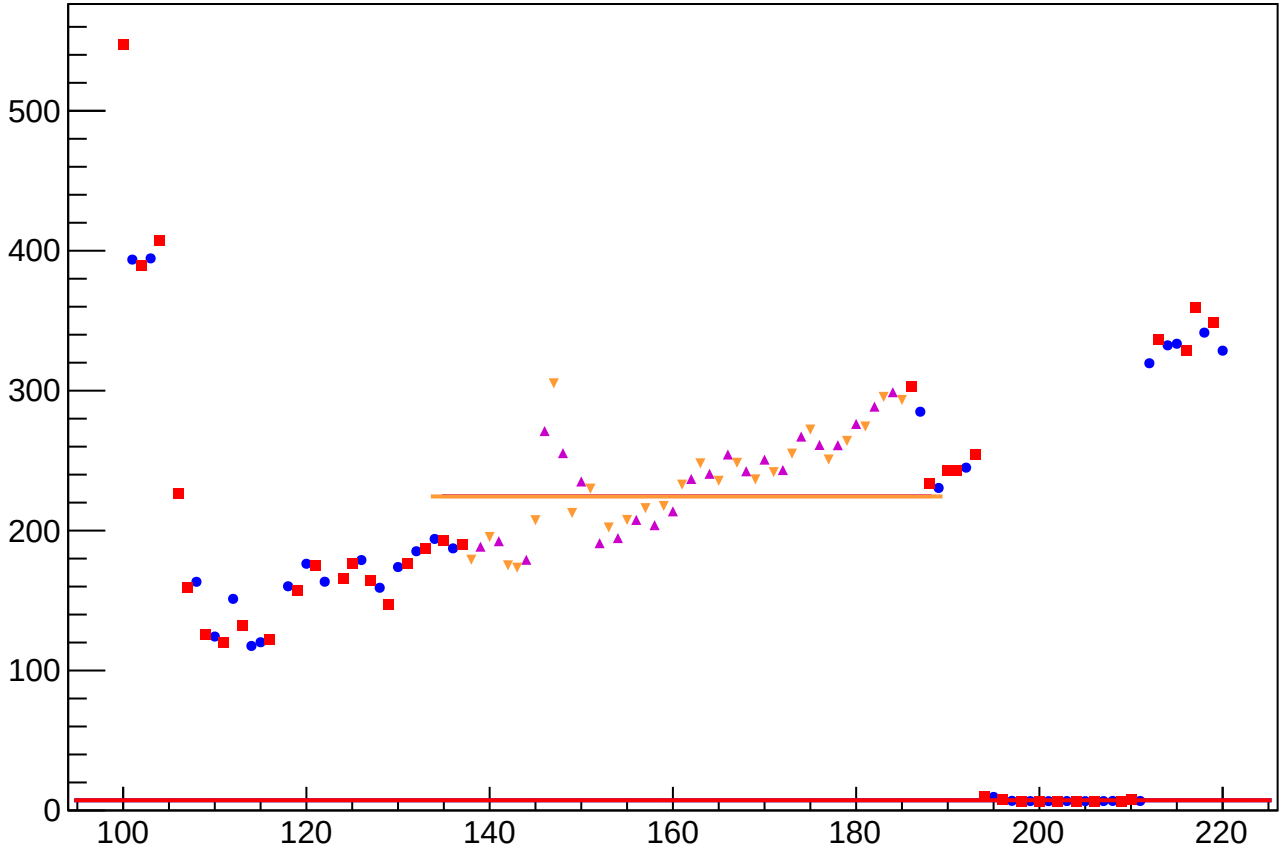
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign -590.273+/-0.003 χ^2/NDF: 14182358794123

All: -531.771+/-0.002 χ^2/NDF: 2875729194

- sign -464.471+/-0.003 χ^2/NDF: 14573755961015.

yield_bpm0l08WS_rms vs Slug



Right In: 7.244+/-0.002 χ^2/NDF: 24425483.0/32

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

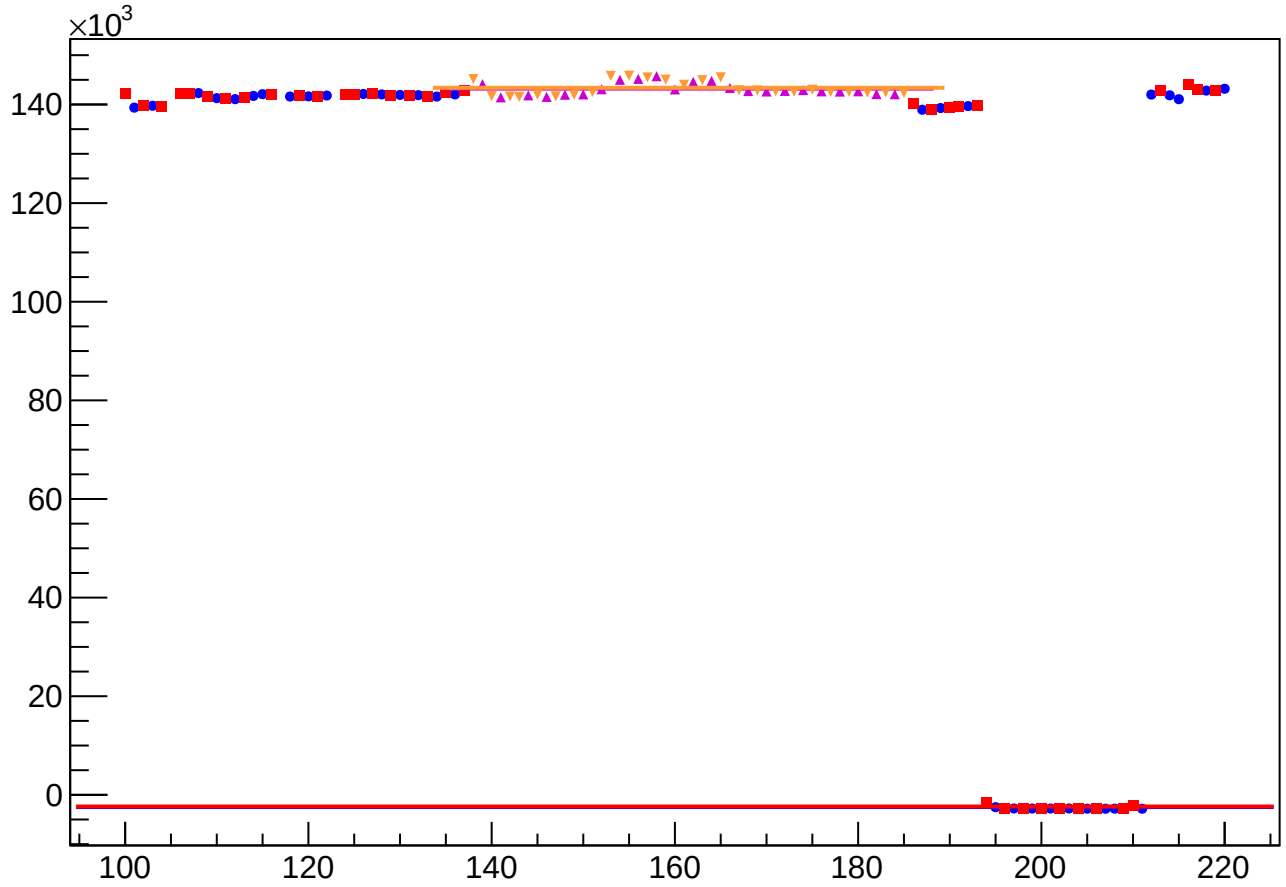
Right Out: 7.297+/-0.002 χ^2/NDF: 24871539.7/36

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 7.746+/-0.002 χ^2/NDF: 60062845.0/57

All: 7.791+/-0.001 χ^2/NDF: 118546187.7/117

- sign 7.842+/-0.002 χ^2/NDF: 58481981.8/59



Right In: -2471.943+/-0.003 χ^2/NDF: 5677911149555.3/32

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2368.817+/-0.003 χ^2/NDF: 6367953722242.8/36

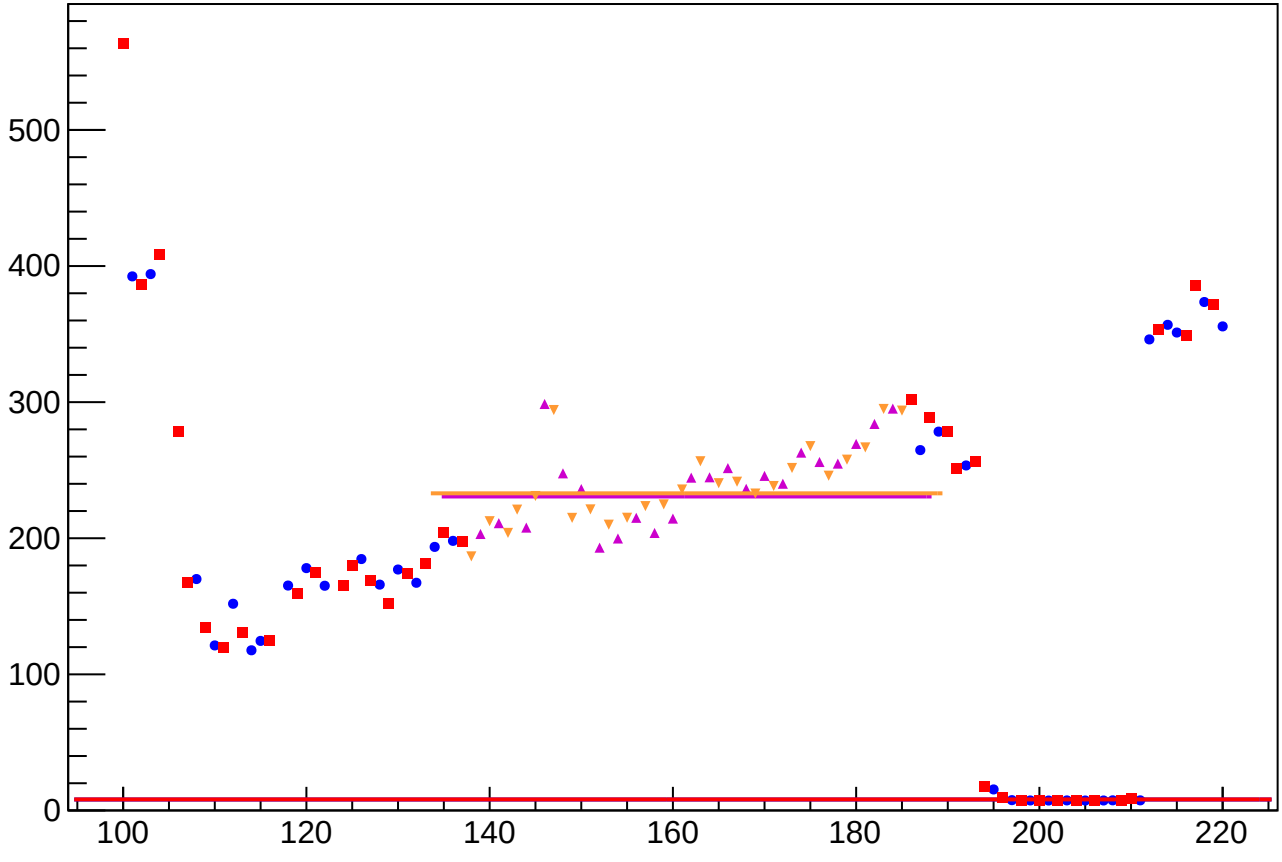
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -2077.232+/-0.003 χ^2/NDF: 1304075239667

All: -2010.650+/-0.002 χ^2/NDF: 2644015949

- sign -1933.998+/-0.003 χ^2/NDF: 1339818428807

yield_bpm0l09WS_rms vs Slug



Right In: 8.032+/-0.002 χ^2/NDF: 24565648.8/32

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

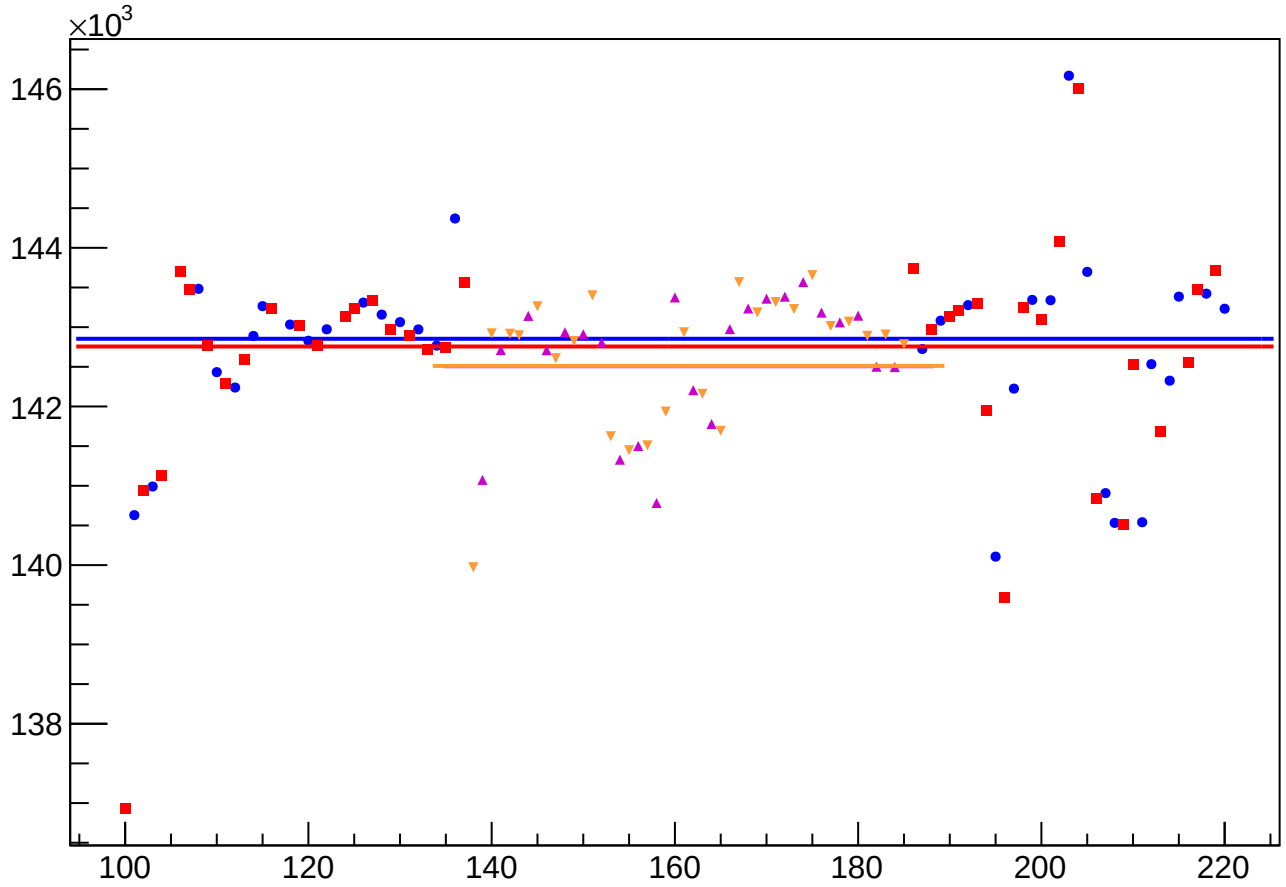
Right Out: 8.109+/-0.002 χ^2/NDF: 24898687.8/36

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 8.641+/-0.002 χ^2/NDF: 60041112.4/57

All: 8.703+/-0.001 χ^2/NDF: 118315286.2/117

- sign 8.774+/-0.002 χ^2/NDF: 58272051.7/59



Right In: 142853.436+/-0.056 χ^2/NDF: 303643039.4/32

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142756.107+/-0.053 χ^2/NDF: 256602722.0/36

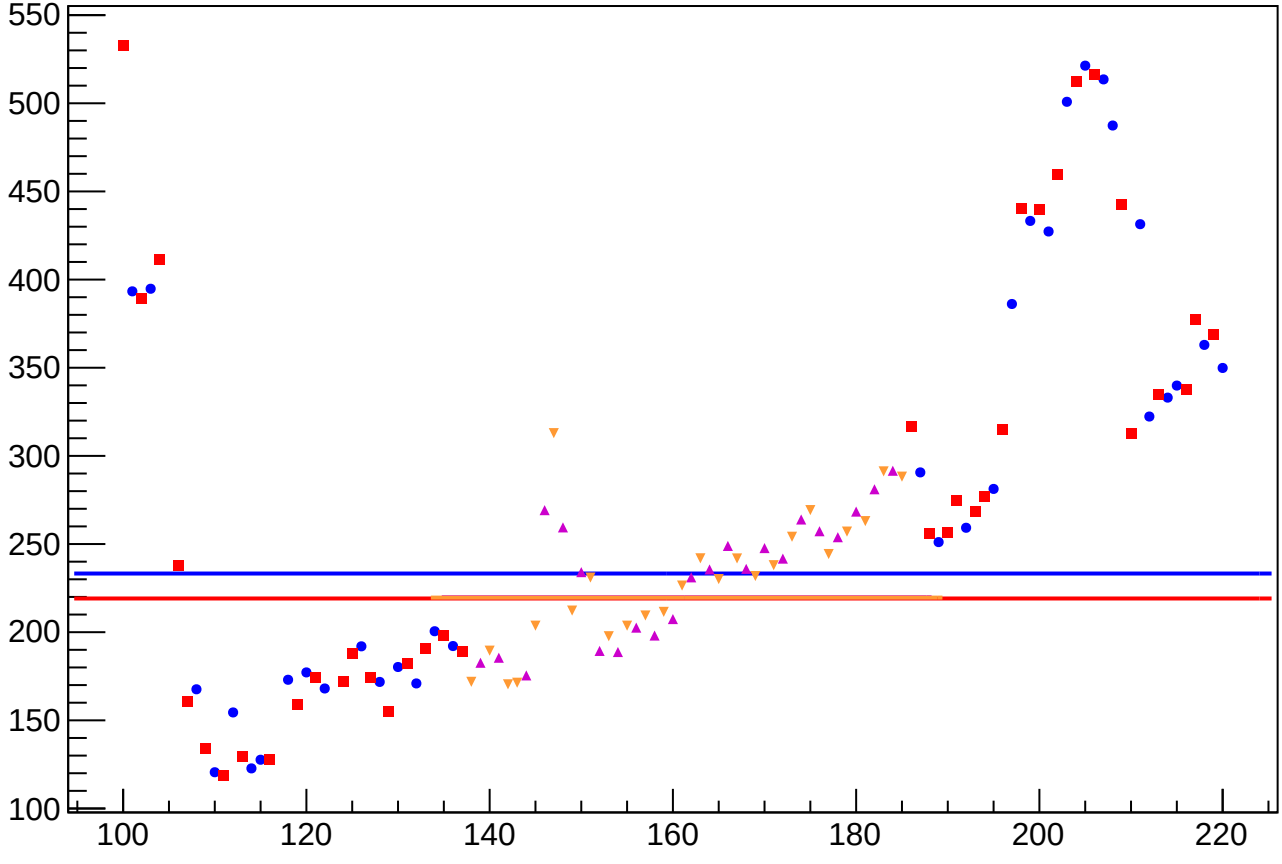
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142665.004+/-0.038 χ^2/NDF: 662012650.0/5

All: 142647.776+/-0.026 χ^2/NDF: 11994792

- sign 142631.105+/-0.037 χ^2/NDF: 537057411.7/5

yield_bpm0l10WS_rms vs Slug



Right In: 233.273+/-0.040 χ^2/NDF: 6759480.0/32

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

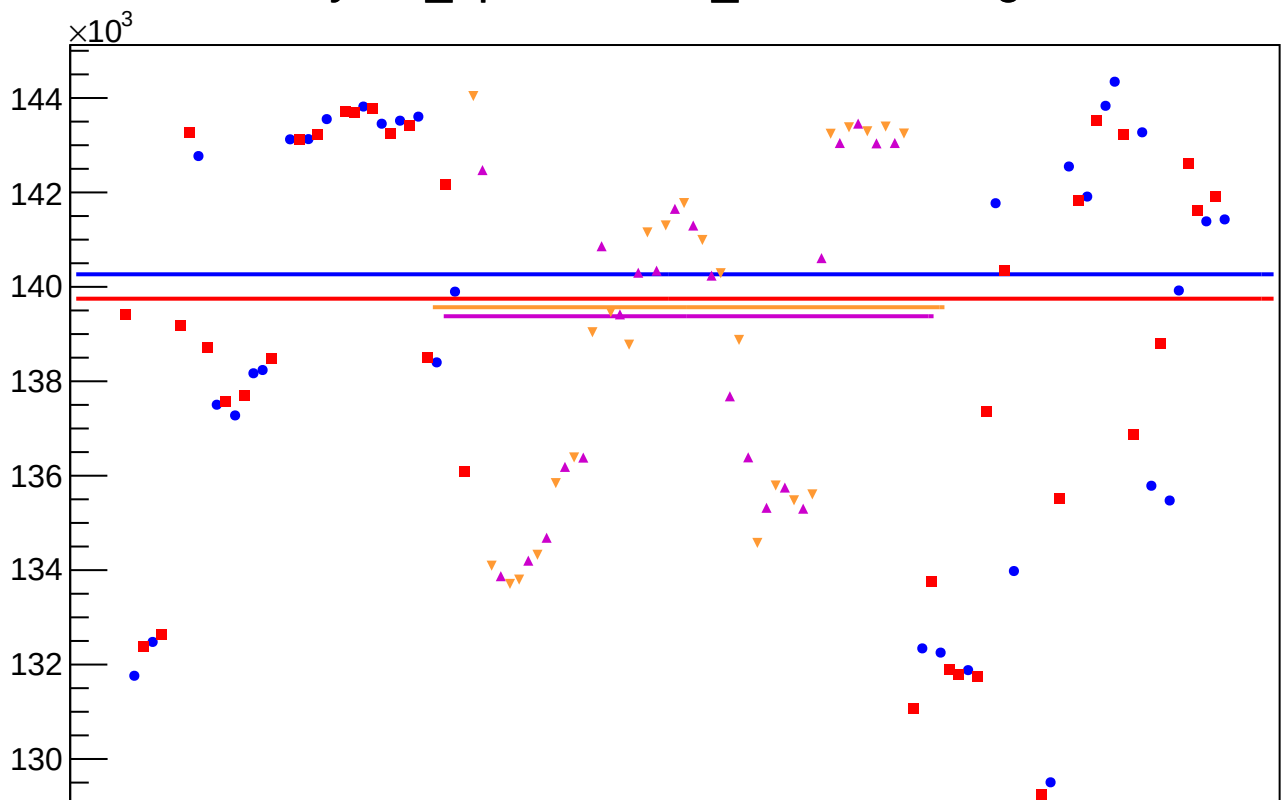
Right Out: 219.116+/-0.037 χ^2/NDF: 7338722.8/36

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 225.751+/-0.027 χ^2/NDF: 7726155.2/57

All: 222.557+/-0.019 χ^2/NDF: 15898681.7/11

- sign 219.467+/-0.026 χ^2/NDF: 8144400.8/59



Right In: 140266.062+/-0.077 χ^2/NDF: 2821956327.7/32

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139749.470+/-0.078 χ^2/NDF: 2898718252.6/36

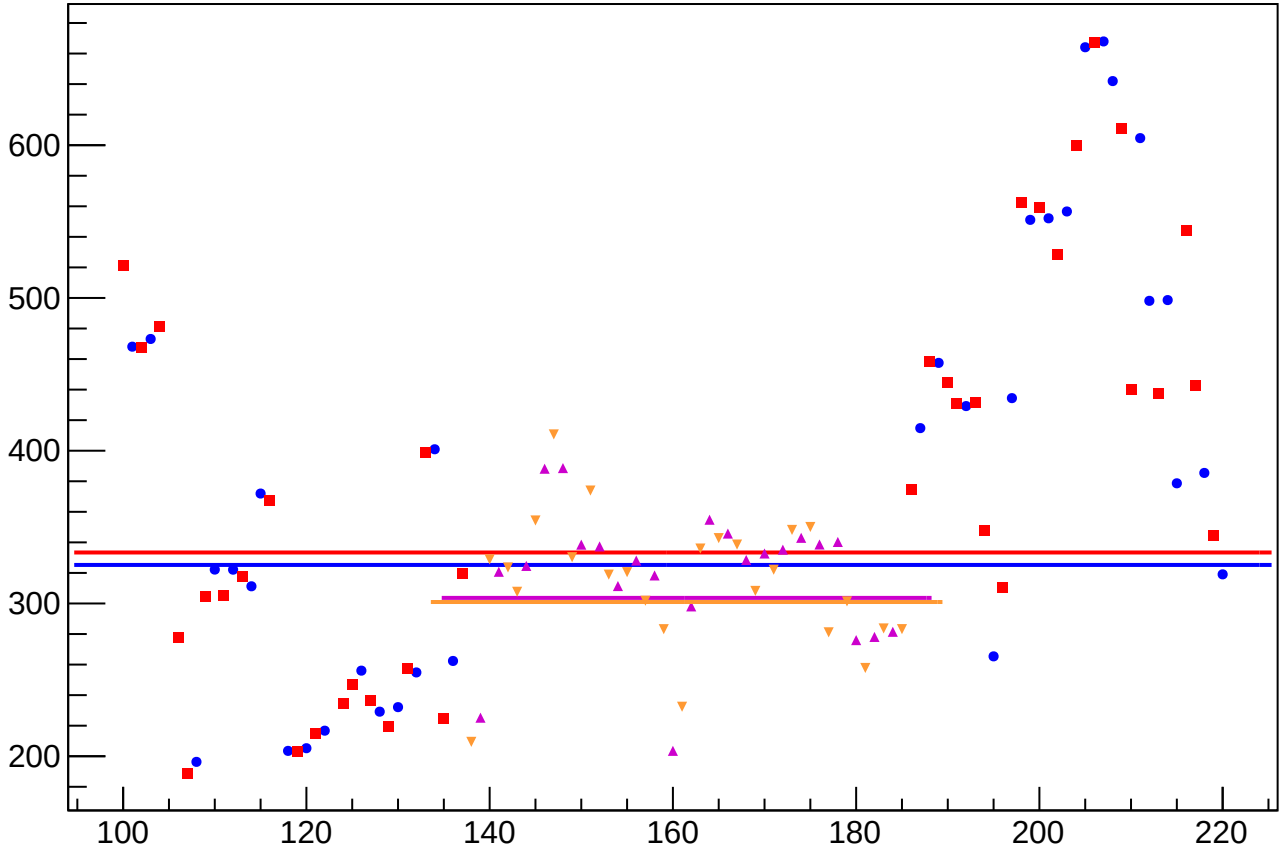
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139882.180+/-0.052 χ^2/NDF: 5453166076.6

All: 139720.823+/-0.037 χ^2/NDF: 10305236

- sign 139551.377+/-0.053 χ^2/NDF: 4832297540.5/

yield_bpm0r03WS_rms vs Slug



Right In: 325.230+/-0.055 χ^2/NDF: 5317420.3/32

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

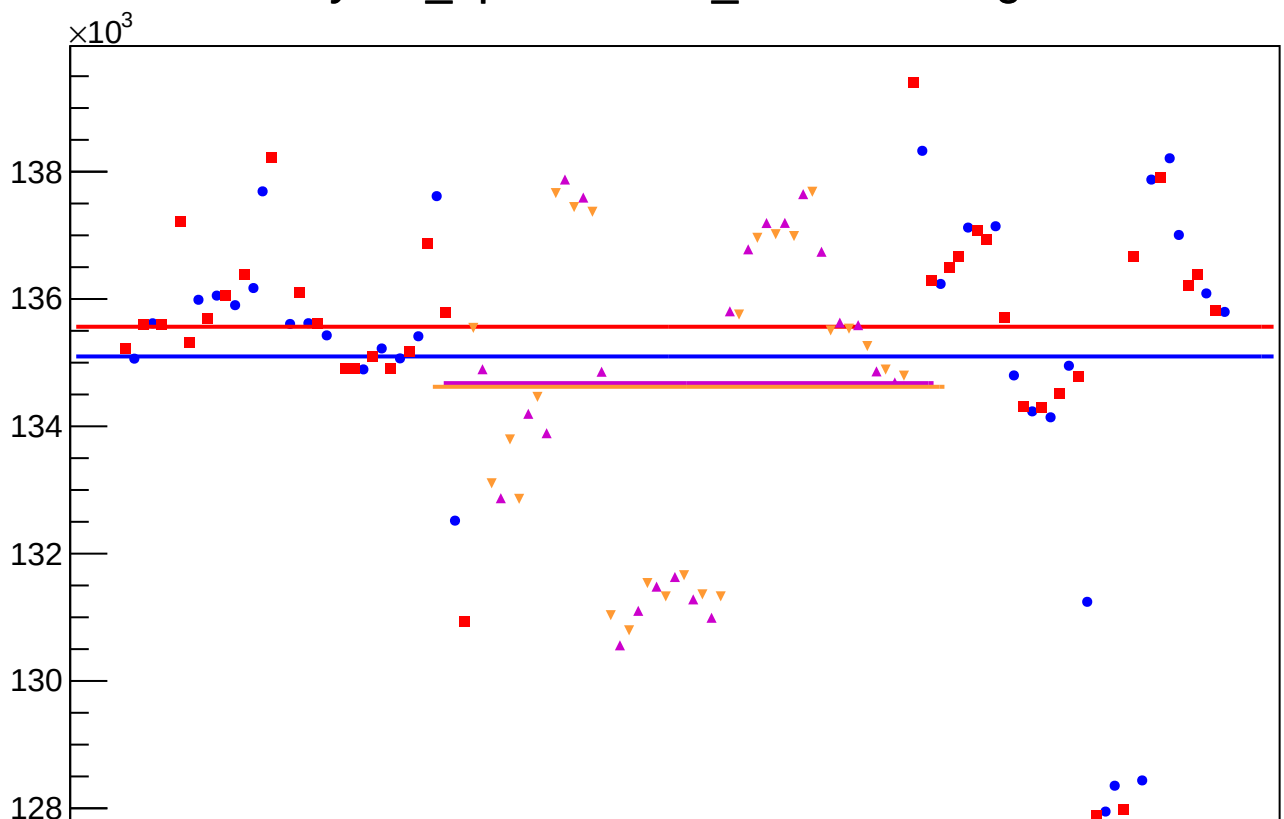
Right Out: 333.379+/-0.055 χ^2/NDF: 4846164.6/36

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 311.871+/-0.037 χ^2/NDF: 6302255.5/57

All: 314.640+/-0.026 χ^2/NDF: 12291453.1/11

- sign 317.548+/-0.038 χ^2/NDF: 5977551.2/59



Right In: 135097.474+/-0.076 χ^2/NDF: 897978239.4/32

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135564.195+/-0.070 χ^2/NDF: 785468480.5/36

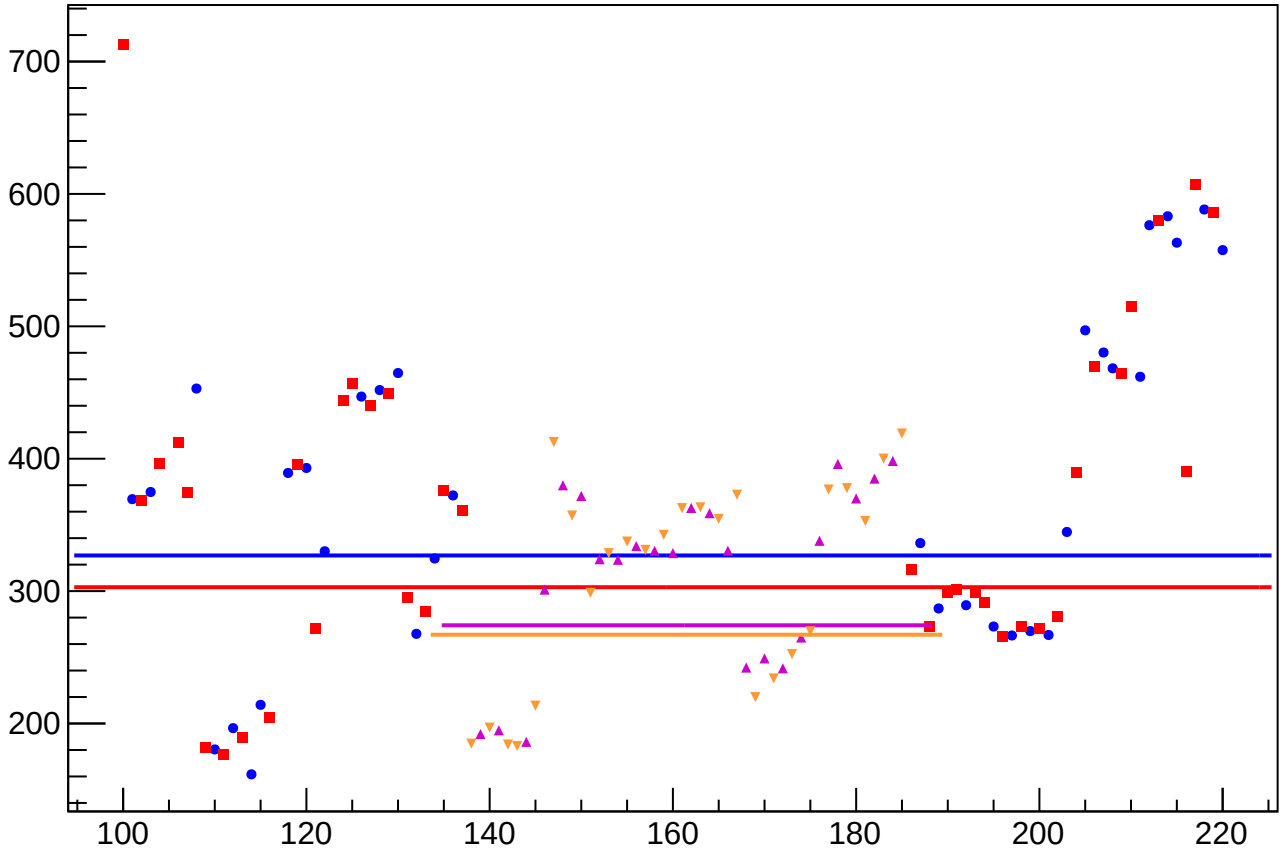
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134817.687+/-0.049 χ^2/NDF: 2122542679.4

All: 134961.694+/-0.034 χ^2/NDF: 41054245

- sign 135102.524+/-0.048 χ^2/NDF: 1965685421.8/

yield_bpm0r05WS_rms vs Slug



Right In: 326.933+/-0.054 χ^2/NDF: 4243372.4/32

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

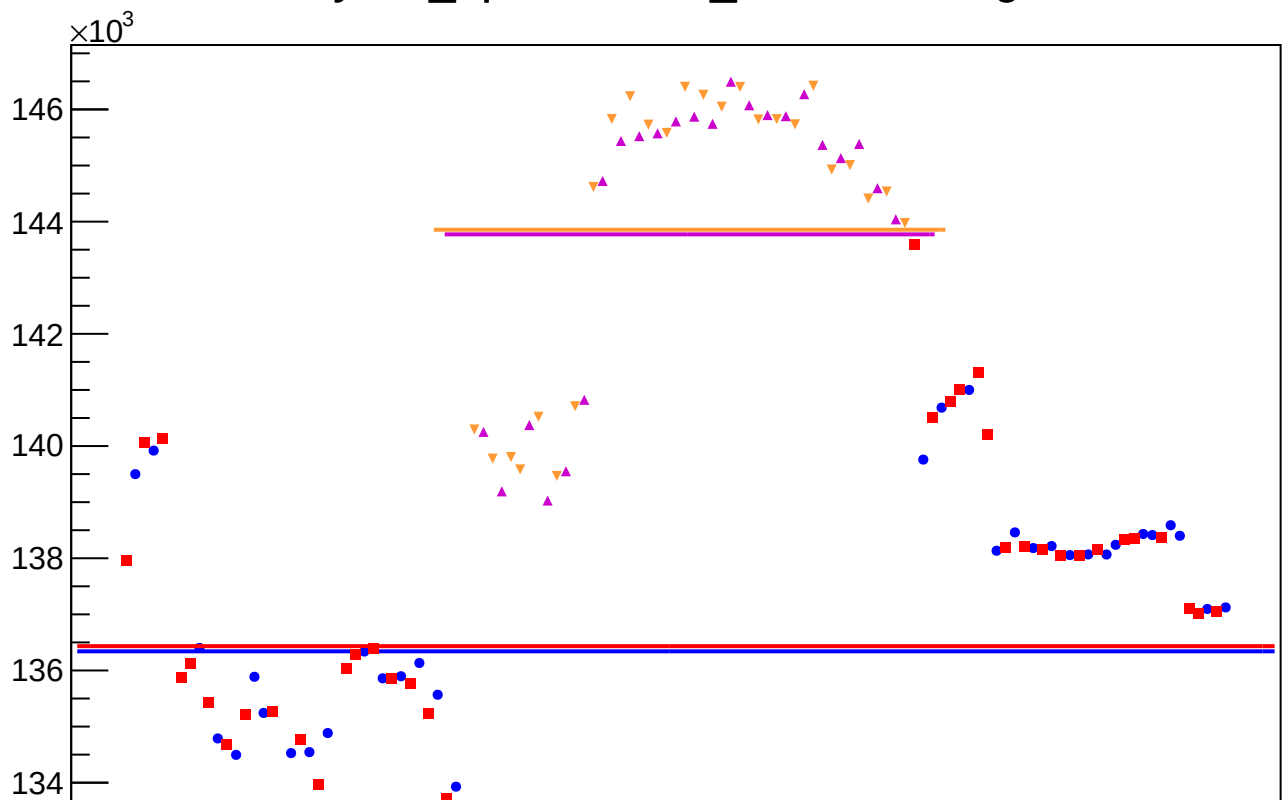
Right Out: 302.938+/-0.049 χ^2/NDF: 4149457.0/36

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 291.772+/-0.035 χ^2/NDF: 7815429.8/57

All: 289.838+/-0.024 χ^2/NDF: 14384827.9/11

- sign 287.946+/-0.034 χ^2/NDF: 6563193.4/59



Right In: 136341.333+/-0.045 χ^2/NDF: 1749561257.1/32

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136433.142+/-0.043 χ^2/NDF: 2310730372.2/36

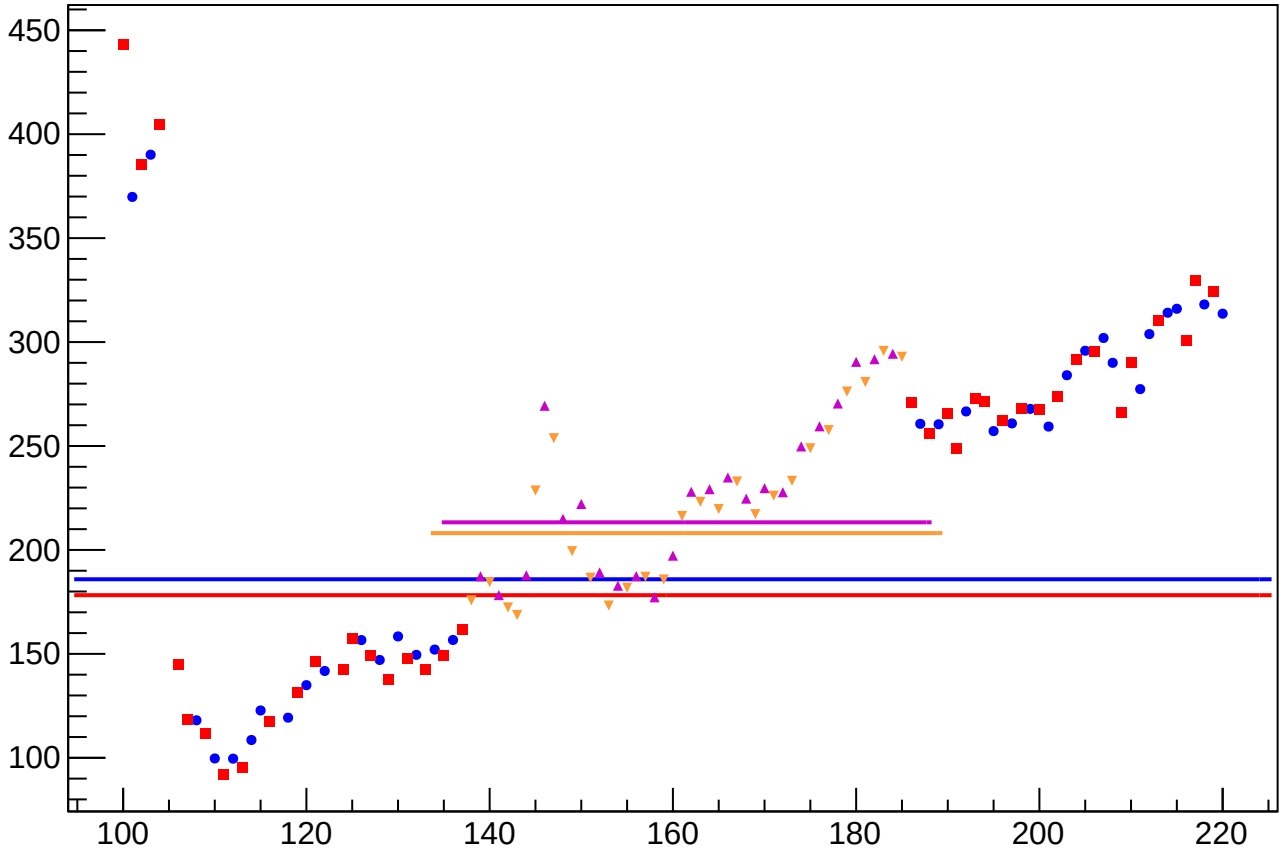
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 139795.431+/-0.033 χ^2/NDF: 1794053638 7.

All: 139628.828+/-0.023 χ^2/NDF: 353078763

- sign 139462.782+/-0.033 χ^2/NDF: 17315730516.7

yield_bpm0i02WS_rms vs Slug



Right In: 185.896+/-0.032 χ^2/NDF: 6433034.0/32

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

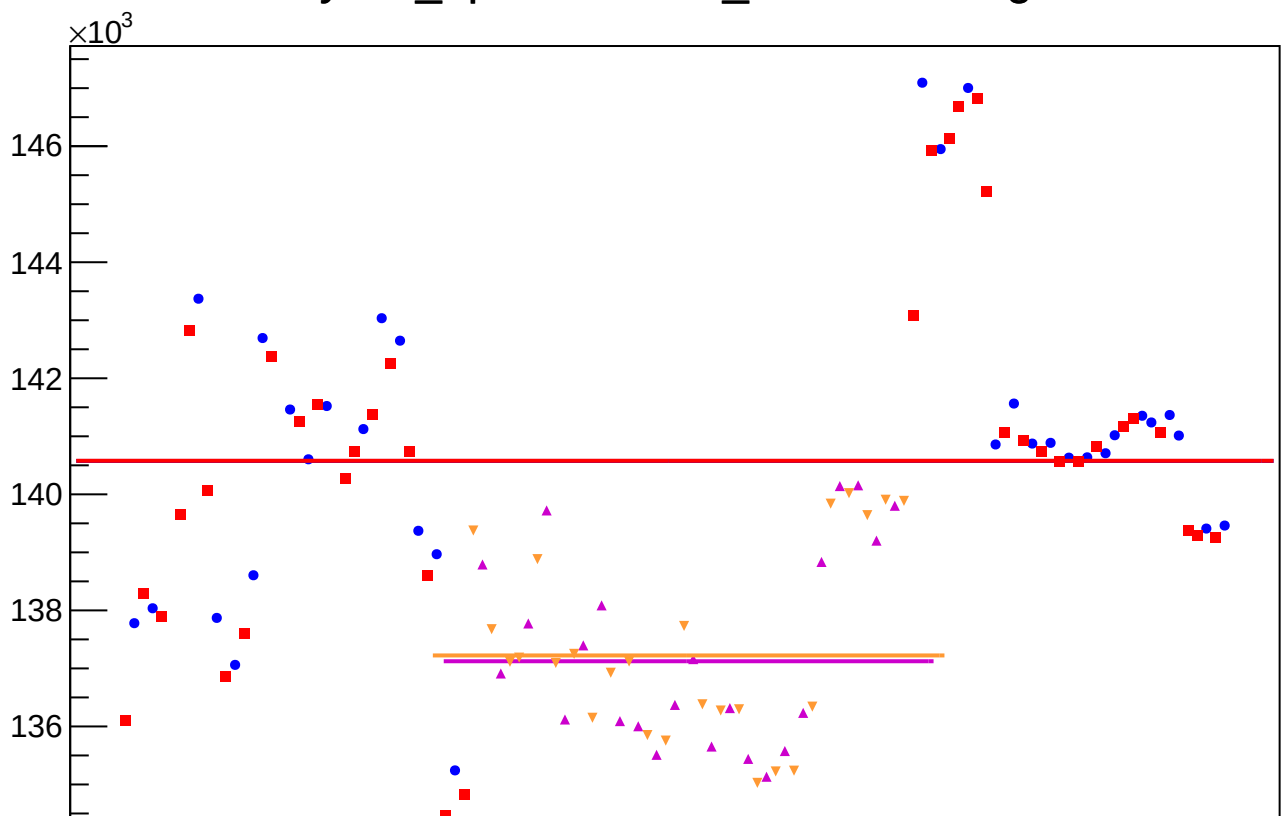
Right Out: 178.241+/-0.030 χ^2/NDF: 7070972.4/36

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 196.102+/-0.023 χ^2/NDF: 7654108.8/57

All: 194.402+/-0.016 χ^2/NDF: 16157728.7/11

- sign 192.707+/-0.023 χ^2/NDF: 8492863.7/59



Right In: 140575.265+/-0.050 χ^2/NDF: 2842388212.0/32

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140578.203+/-0.048 χ^2/NDF: 3280032737.9/36

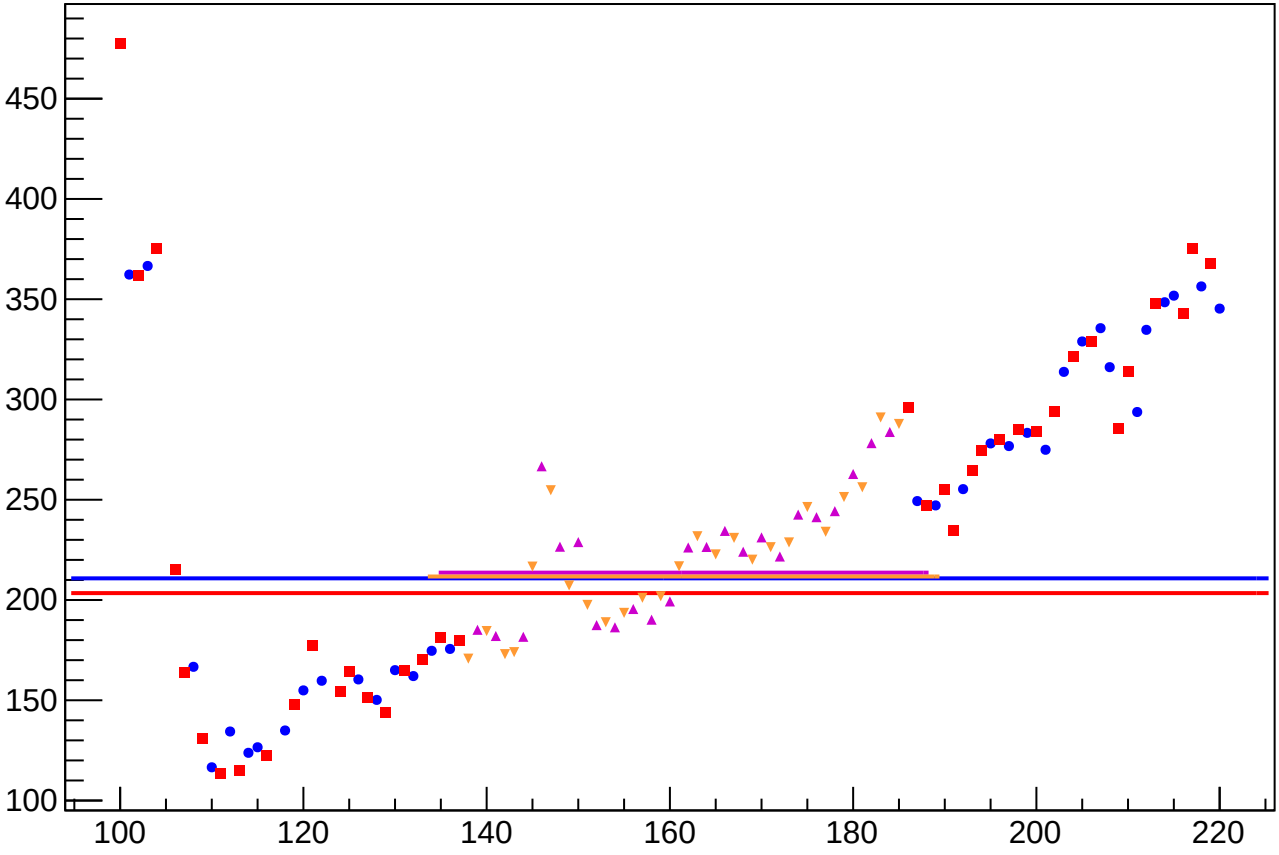
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138875.307+/-0.035 χ^2/NDF: 6038119736.5

All: 138916.332+/-0.025 χ^2/NDF: 12625916

- sign 138957.218+/-0.035 χ^2/NDF: 6585042437.1/

yield_bpm0i02aWS_rms vs Slug



Right In: 210.800+/-0.035 χ^2/NDF: 5244430.0/32

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

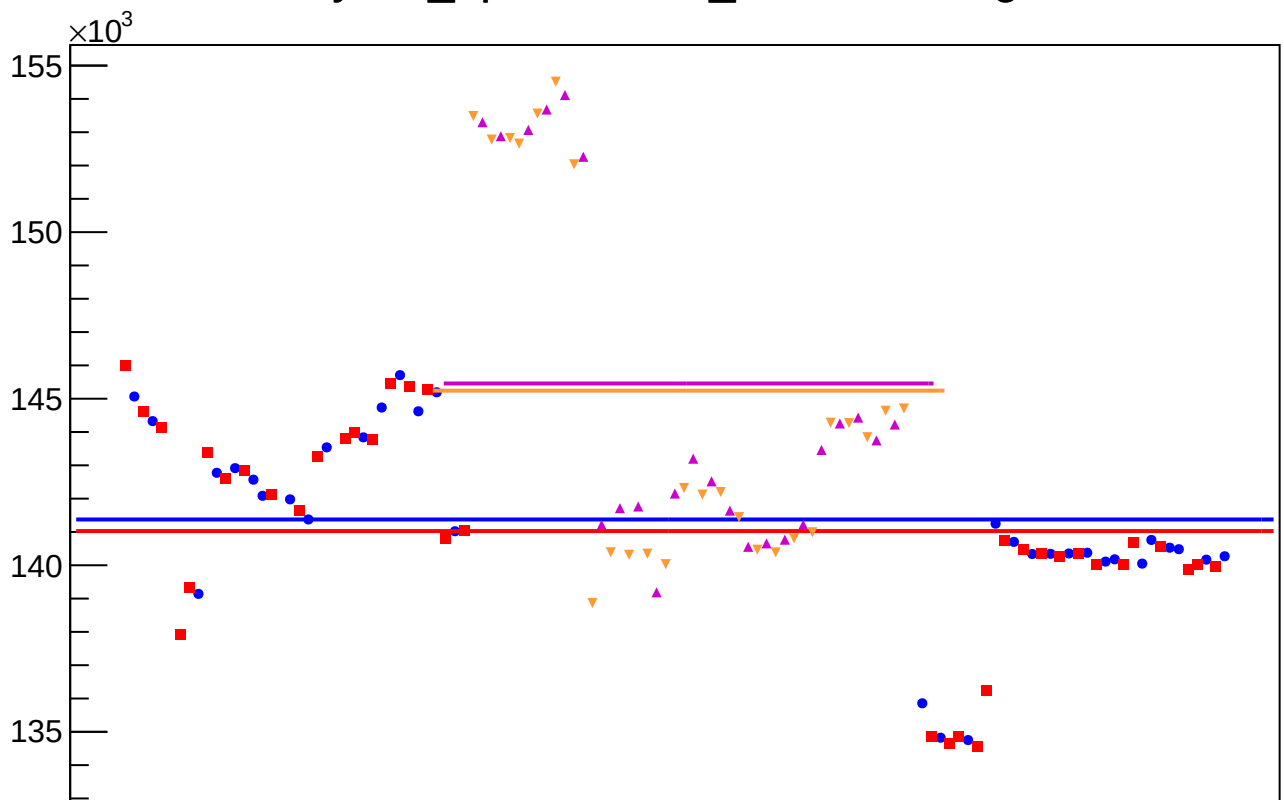
Right Out: 203.440+/-0.034 χ^2/NDF: 5769693.9/36

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 211.264+/-0.025 χ^2/NDF: 5920359.4/57

All: 209.742+/-0.017 χ^2/NDF: 12361584.5/11

- sign 208.226+/-0.025 χ^2/NDF: 6433651.3/59



Right In: 141374.791+/-0.050 χ^2/NDF: 2865858880.7/32

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141026.069+/-0.047 χ^2/NDF: 4454599668.7/36

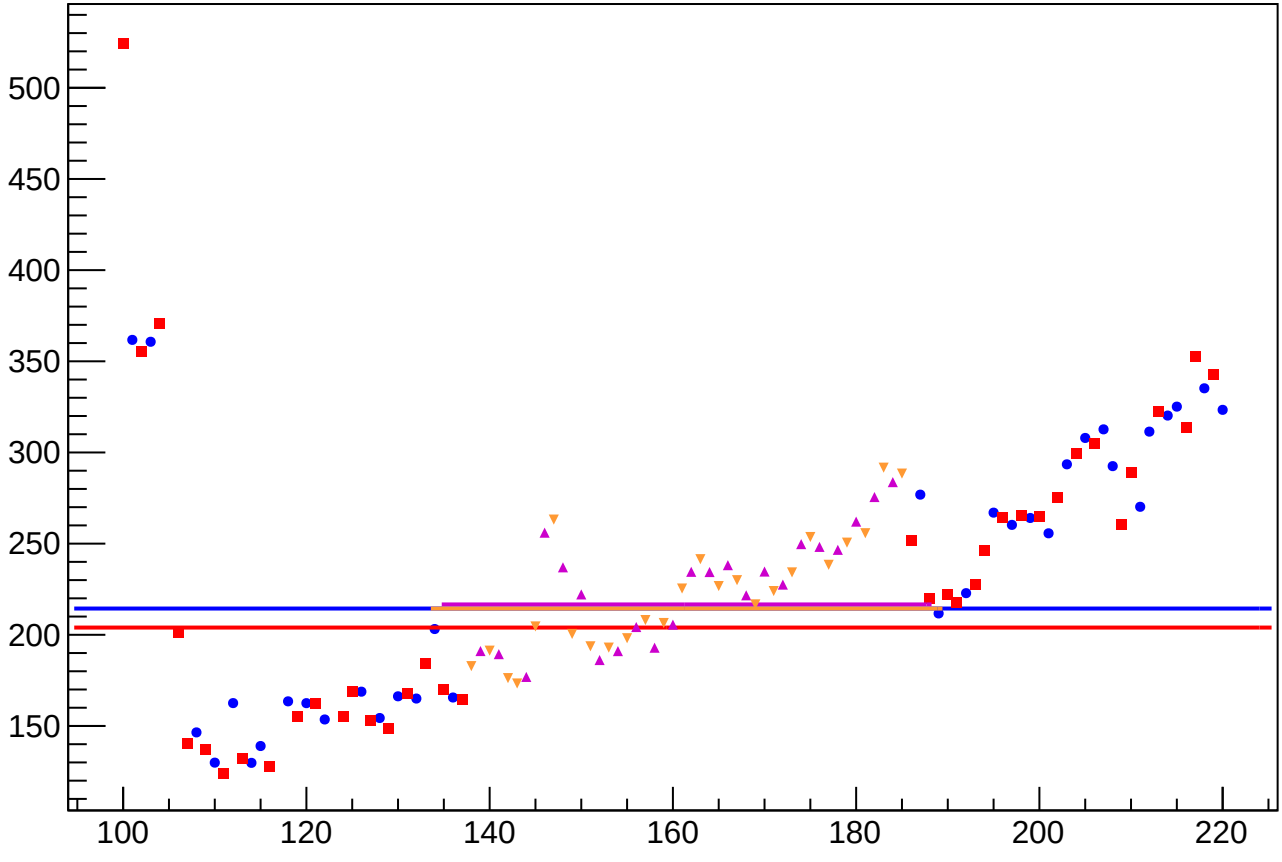
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143309.607+/-0.035 χ^2/NDF: 18934669616.

All: 143173.036+/-0.025 χ^2/NDF: 38518660

- sign 143039.024+/-0.035 χ^2/NDF: 19553991144.

yield_bpm0i05WS_rms vs Slug



Right In: 214.405+/-0.035 χ^2/NDF: 3800229.3/32

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

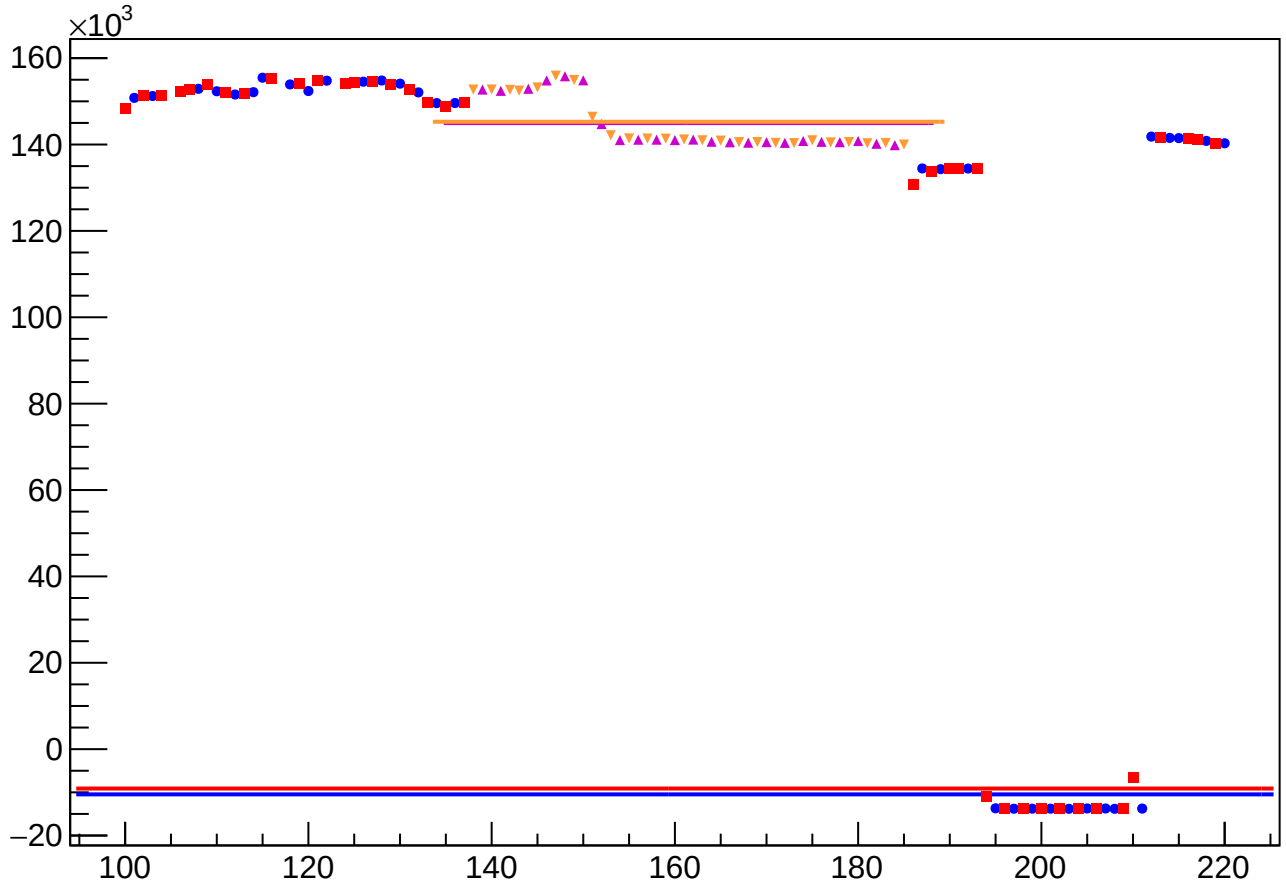
Right Out: 203.971+/-0.033 χ^2/NDF: 4269444.7/36

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

+ sign 214.398+/-0.025 χ^2/NDF: 4443613.6/57

All: 212.044+/-0.017 χ^2/NDF: 9384049.2/117

- sign 209.733+/-0.025 χ^2/NDF: 4922601.1/59



Right In: -10470.451+/-0.009 χ^2/NDF: 6876547847358.9/32

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -9119.381+/-0.009 χ^2/NDF: 7852949154267.0/36

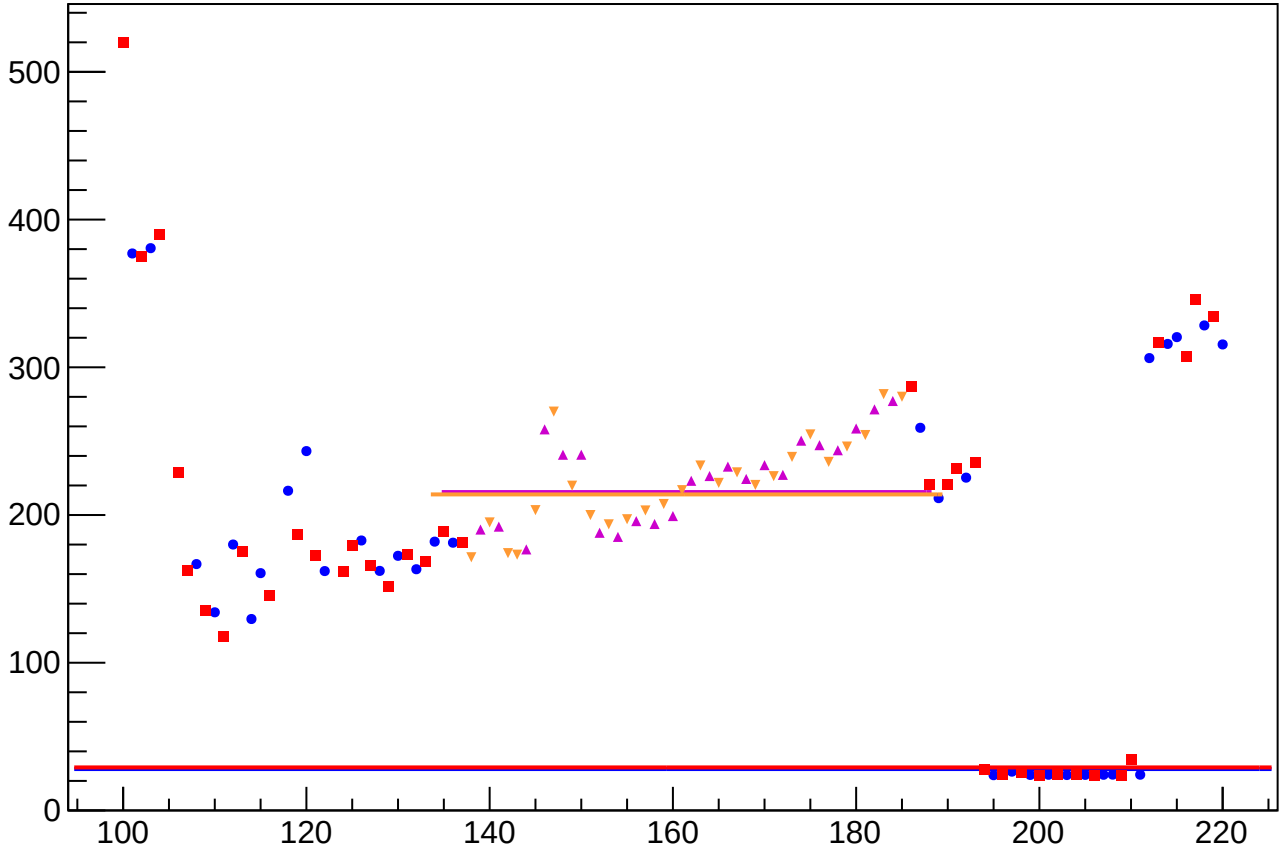
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -5747.071+/-0.009 χ^2/NDF: 1653280001377

All: -4991.809+/-0.006 χ^2/NDF: 3317741392

- sign -4123.990+/-0.009 χ^2/NDF: 16628042850591

yield_bpm0i07WS_rms vs Slug



Right In: 28.034+/-0.006 χ^2/NDF: 19926291.7/32

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

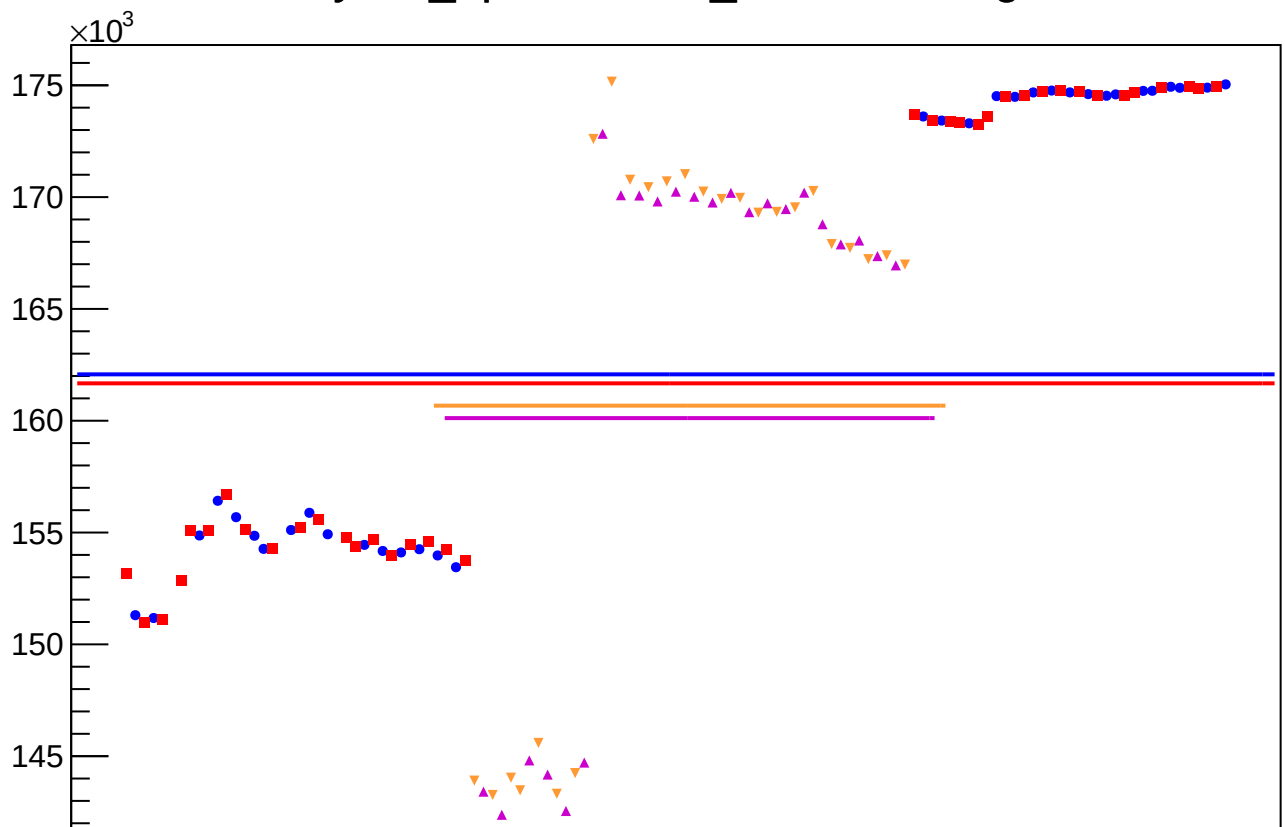
Right Out: 29.134+/-0.007 χ^2/NDF: 20048647.3/36

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 33.672+/-0.006 χ^2/NDF: 48059609.7/57

All: 34.373+/-0.004 χ^2/NDF: 94383259.8/117

- sign 35.177+/-0.007 χ^2/NDF: 46295166.3/59



Right In: 162073.984+/-0.052 χ^2/NDF: 34450286907.7/32

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 161672.266+/-0.049 χ^2/NDF: 36338249344.6/36

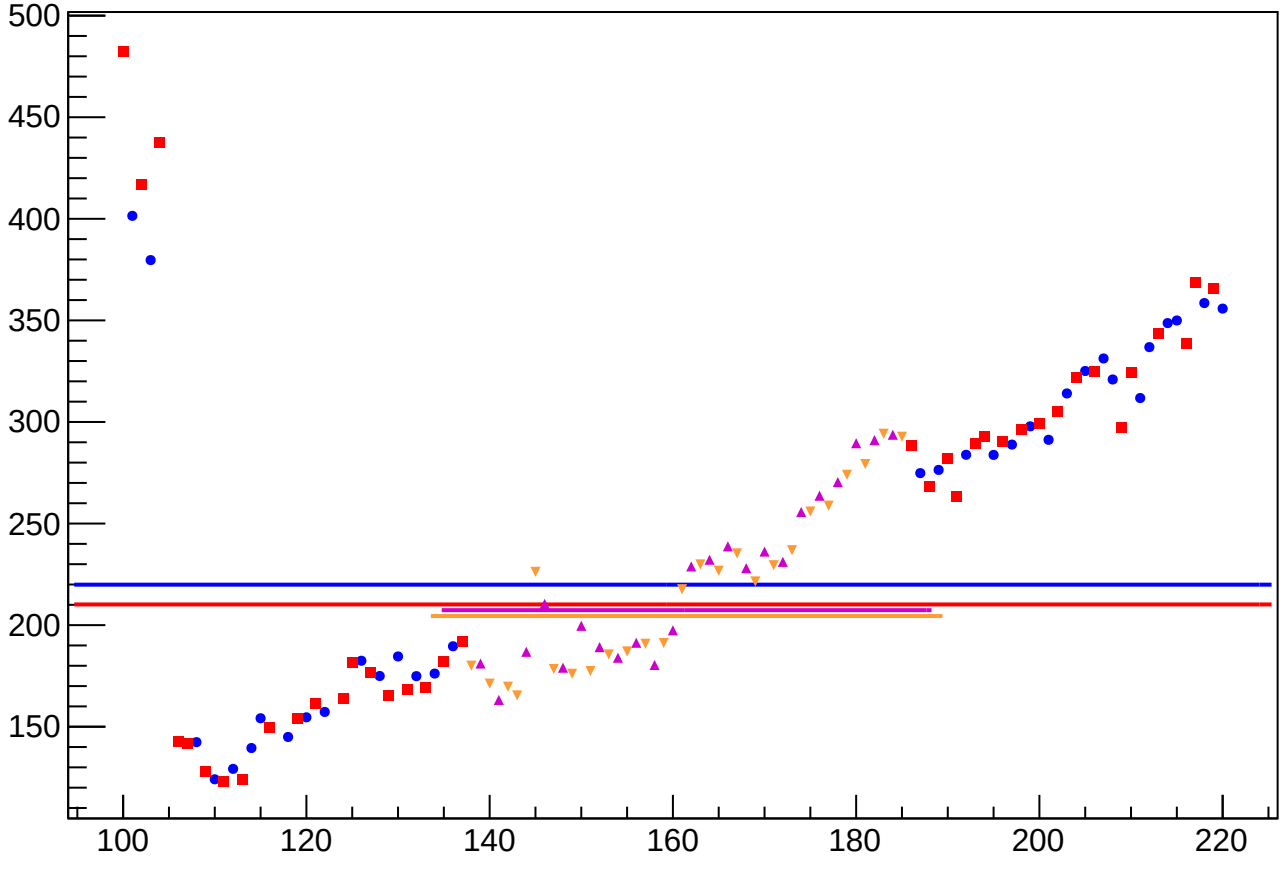
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 161313.794+/-0.035 χ^2/NDF: 109003484026

All: 161105.801+/-0.025 χ^2/NDF: 212463568

- sign 160898.924+/-0.035 χ^2/NDF: 103389369322

yield_bpm1i02WS_rms vs Slug



Right In: 219.926+/-0.037 χ^2/NDF: 5107564.9/32

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

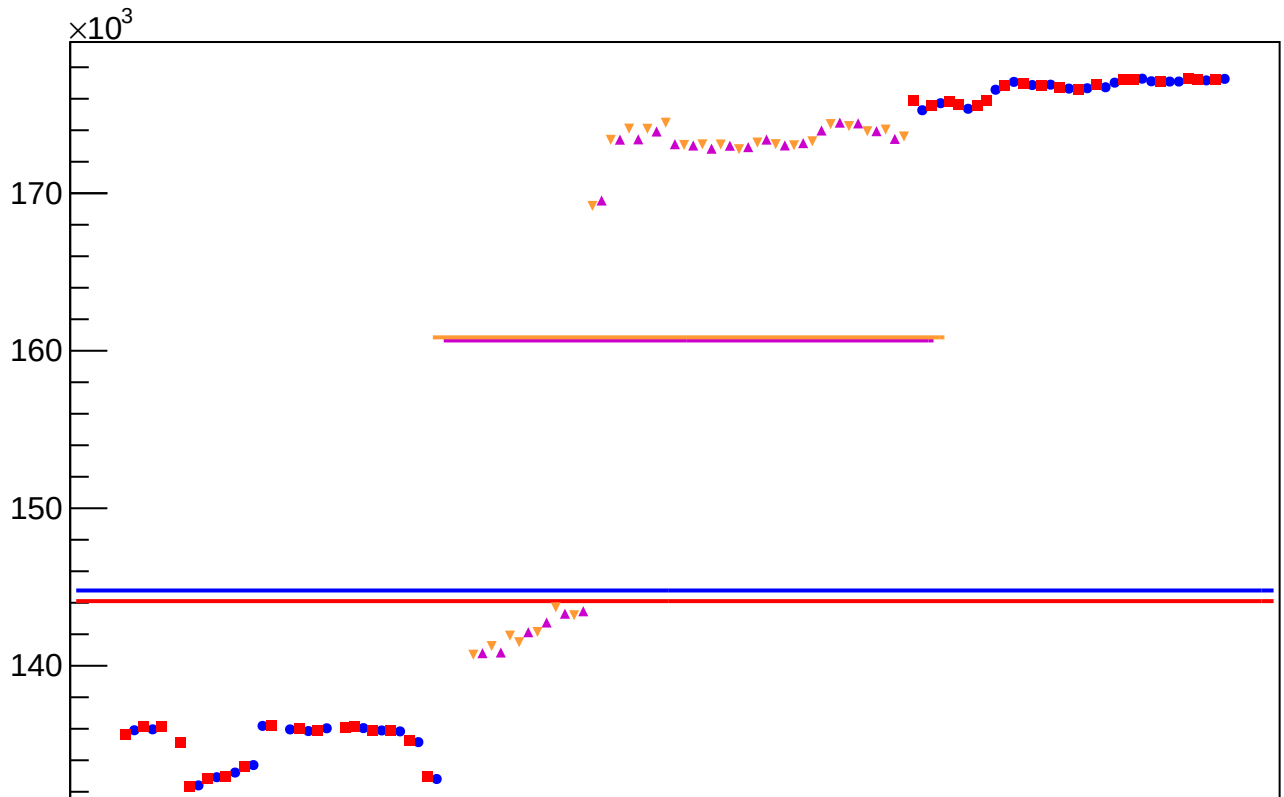
Right Out: 210.181+/-0.035 χ^2/NDF: 5737529.4/36

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

+ sign 211.532+/-0.025 χ^2/NDF: 6277830.7/57

All: 210.153+/-0.017 χ^2/NDF: 12981475.8/11

- sign 208.782+/-0.025 χ^2/NDF: 6697432.8/59



Right In: 144779.642+/-0.044 χ^2/NDF: 173774348357.5/32

Left Out: 160851.077+/-0.048 χ^2/NDF:99202825178.3/24

Right Out: 144104.276+/-0.042 χ^2/NDF: 183824521890.7/36

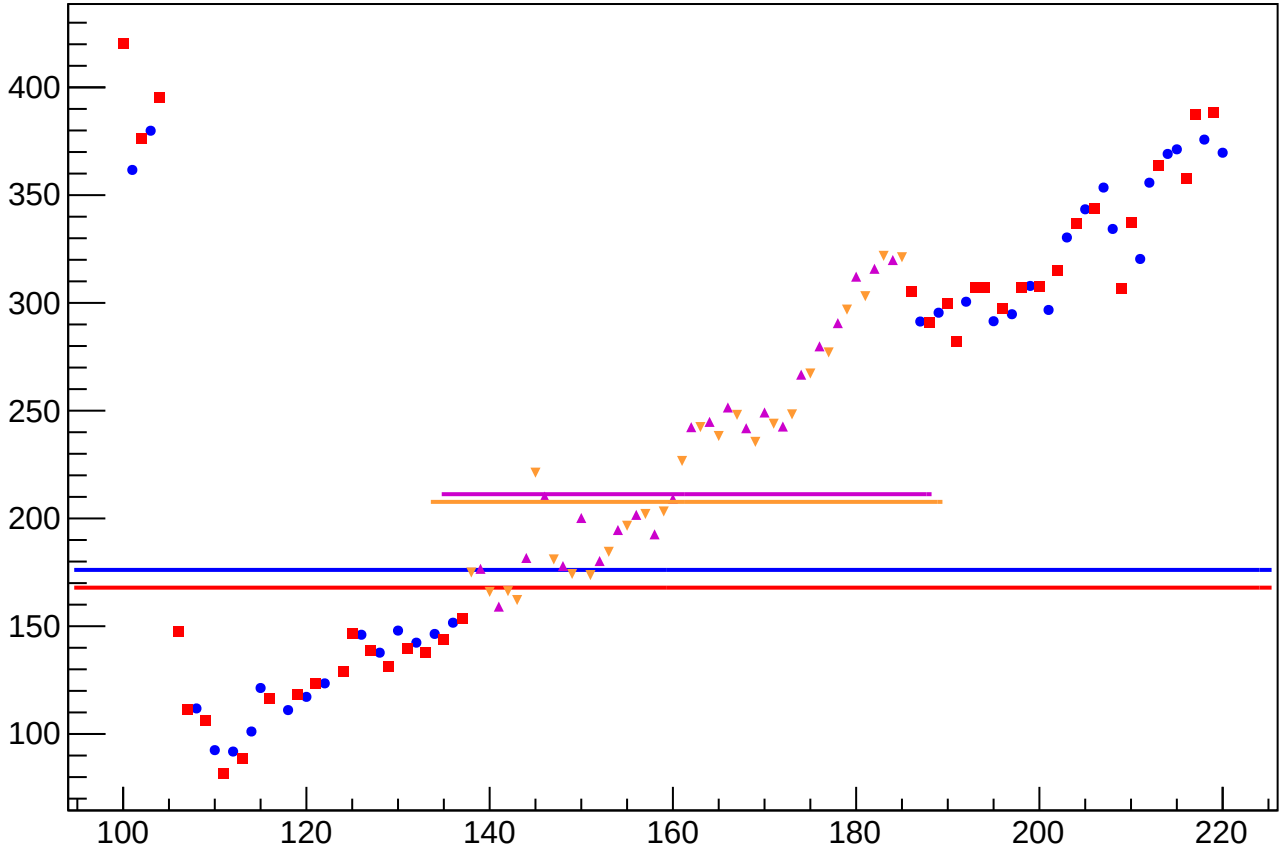
Left In: 160654.189+/-0.051 χ^2/NDF:90149721861.0/22

+ sign 152063.334+/-0.033 χ^2/NDF: 33319334480

All: 151453.161+/-0.023 χ^2/NDF: 67119506

- sign 150853.620+/-0.032 χ^2/NDF: 337307300125

yield_bpm1i04WS_rms vs Slug



Right In: 176.125+/-0.031 χ^2/NDF: 9397004.5/32

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

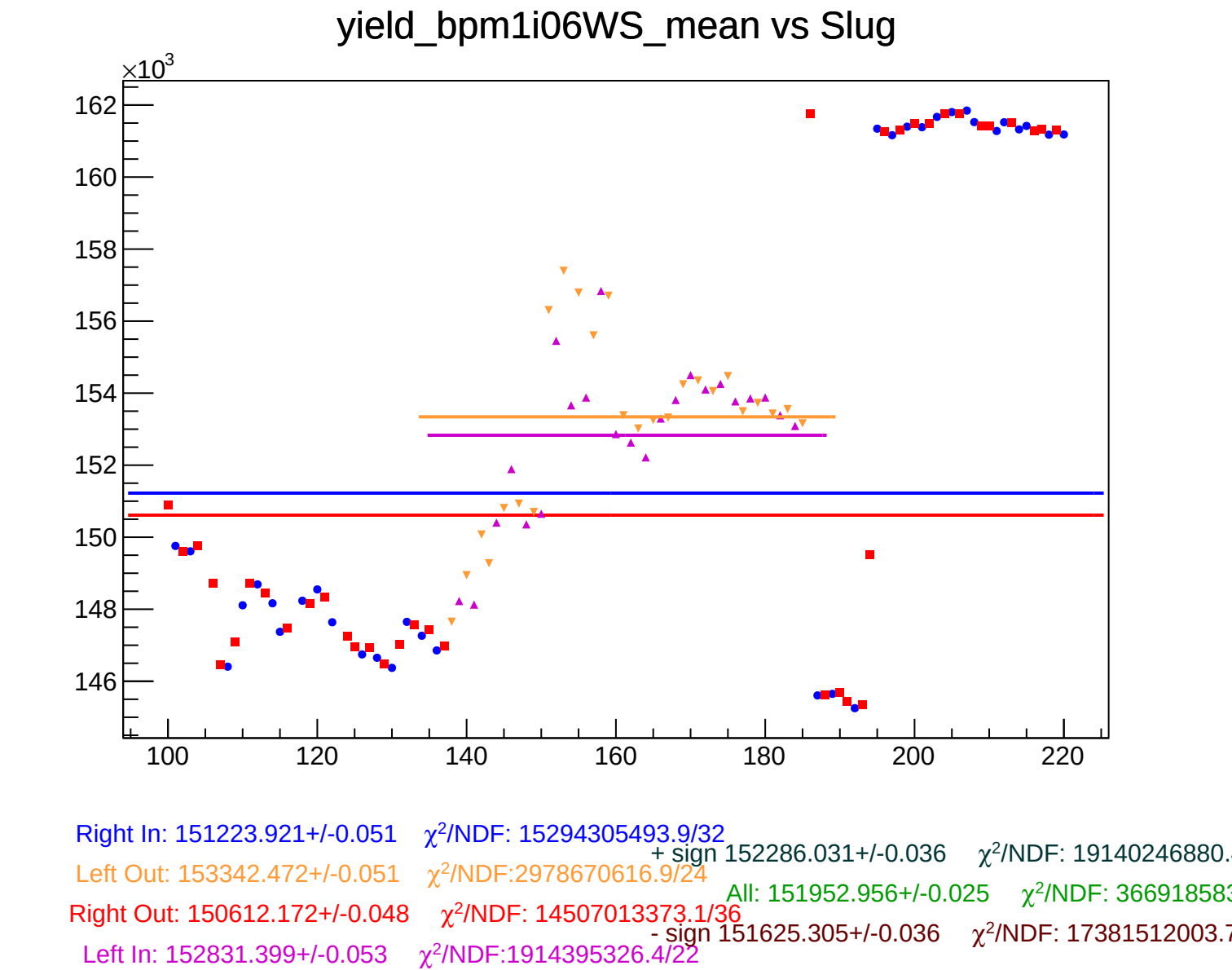
Right Out: 167.894+/-0.030 χ^2/NDF: 10129841.9/36

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

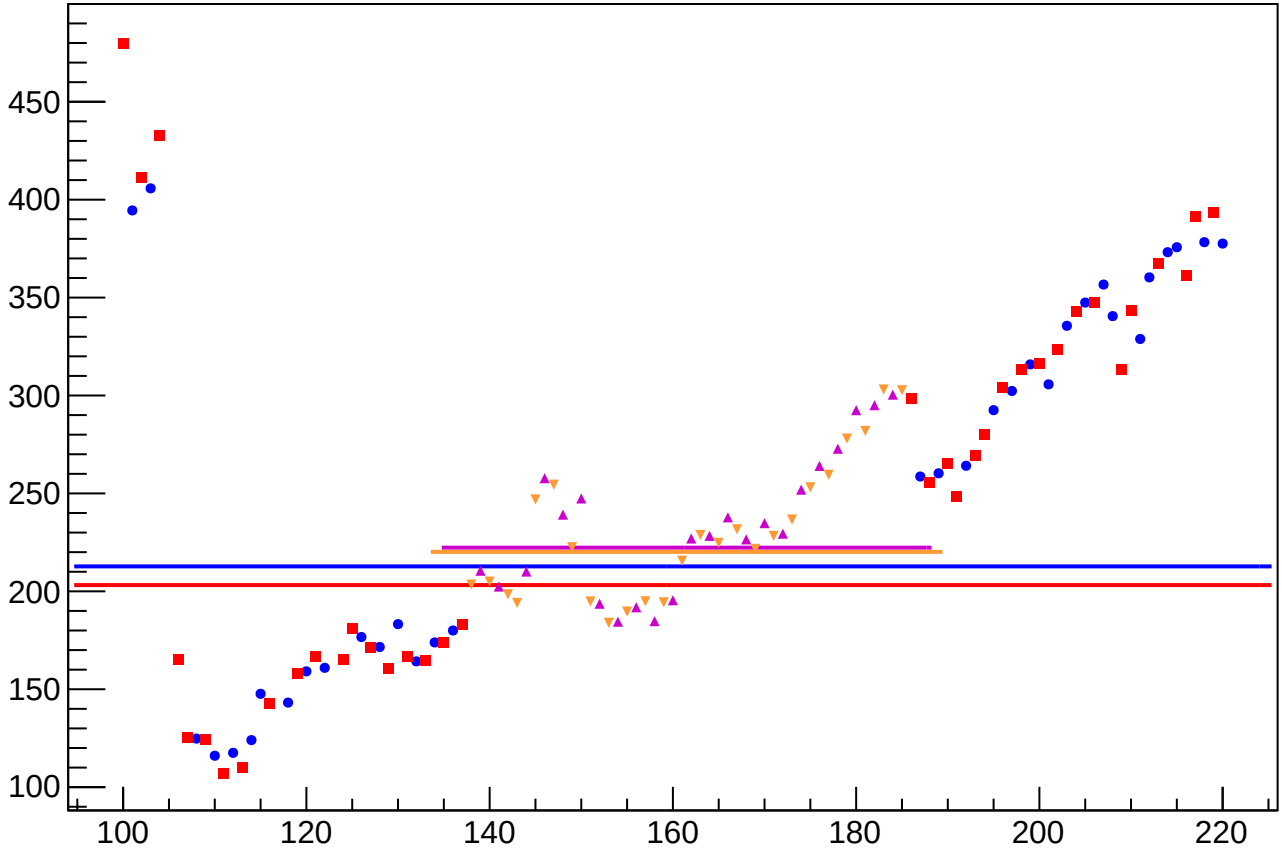
+ sign 190.430+/-0.023 χ^2/NDF: 11362246.4/57

All: 187.982+/-0.016 χ^2/NDF: 23689658.3/11

- sign 185.577+/-0.023 χ^2/NDF: 12305058.1/59


yield_bpm1i06WS_mean vs Slug
×10^3
162
160
158
156
154
152
150
148
146
100
120
140
160
180
200
220
Right In: 151223.921+/-0.051 χ²/NDF: 15294305493.9/32
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 150612.172+/-0.048 χ²/NDF: 14507013373.1/36
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
+ sign 152286.031+/-0.036 χ²/NDF: 19140246880.
All: 151952.956+/-0.025 χ²/NDF: 36691858
- sign 151625.305+/-0.036 χ²/NDF: 17381512003.7

yield_bpm1i06WS_rms vs Slug



Right In: 212.737+/-0.036 χ^2/NDF: 6431072.4/32

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

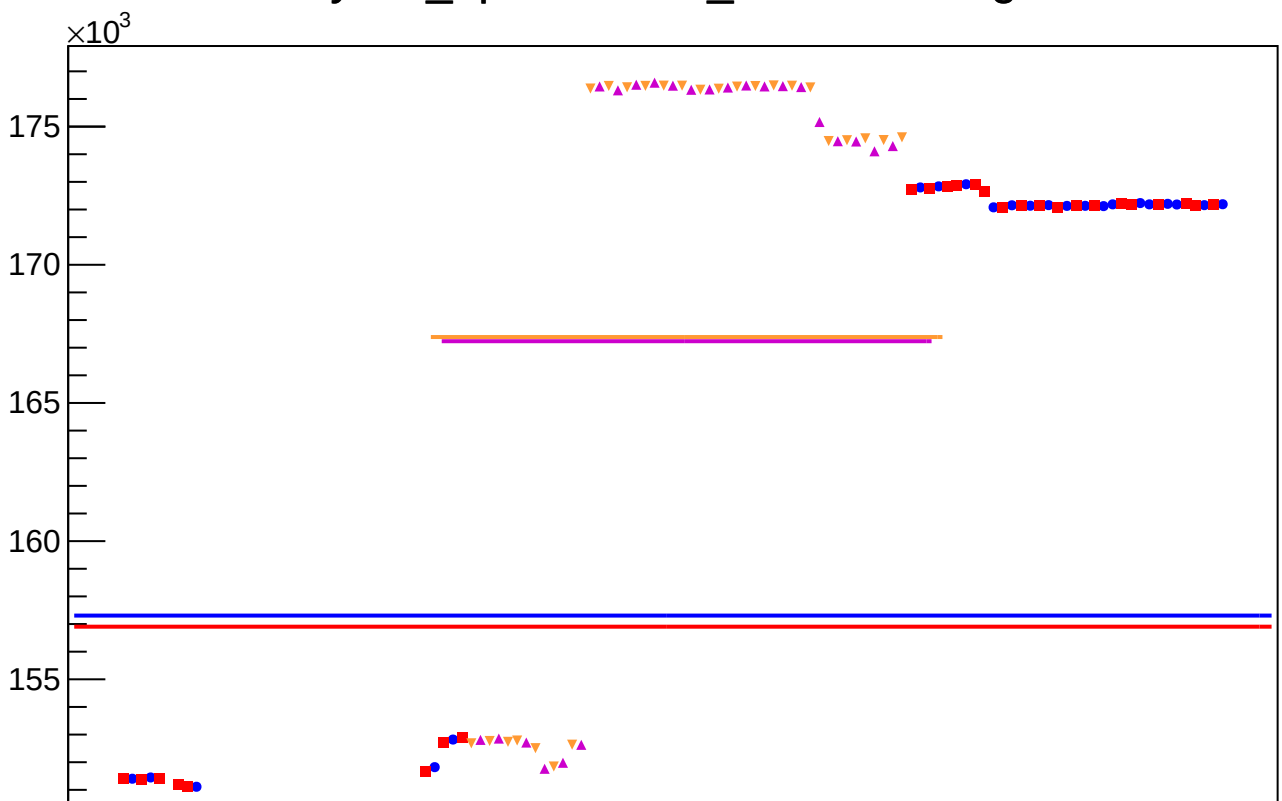
Right Out: 203.197+/-0.034 χ^2/NDF: 6932426.3/36

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 216.456+/-0.025 χ^2/NDF: 7137934.0/57

All: 214.169+/-0.018 χ^2/NDF: 14926346.6/11

- sign 211.920+/-0.025 χ^2/NDF: 7772377.0/59



Right In: 157305.976+/-0.045 χ^2/NDF: 49264631676.4/32

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 156904.381+/-0.043 χ^2/NDF: 53365512501.6/36

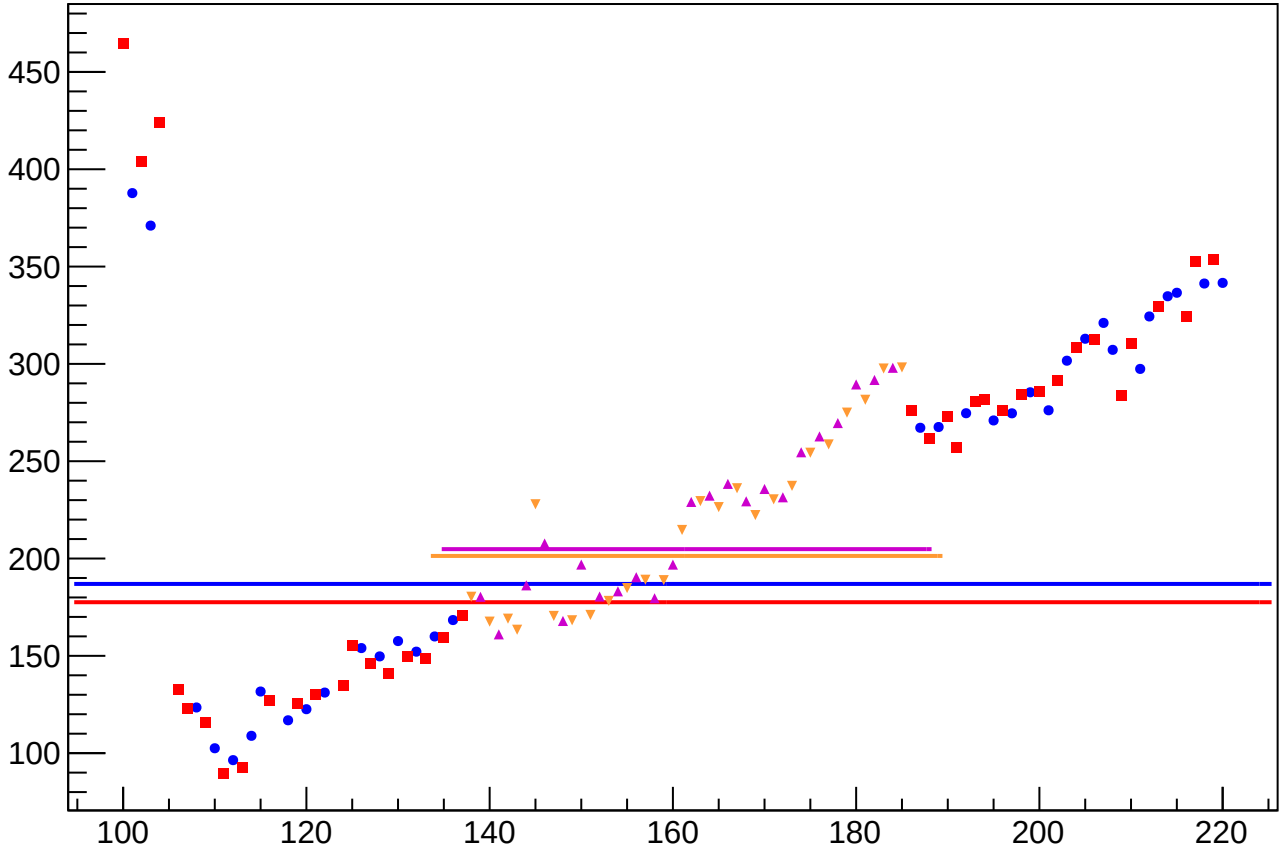
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 162194.018+/-0.033 χ^2/NDF: 13282749814

All: 161794.766+/-0.023 χ^2/NDF: 2668128

- sign 161402.701+/-0.032 χ^2/NDF: 13368708604

yield_bpm2i01WS_rms vs Slug



Right In: 186.944+/-0.032 χ^2/NDF: 7245954.3/32

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

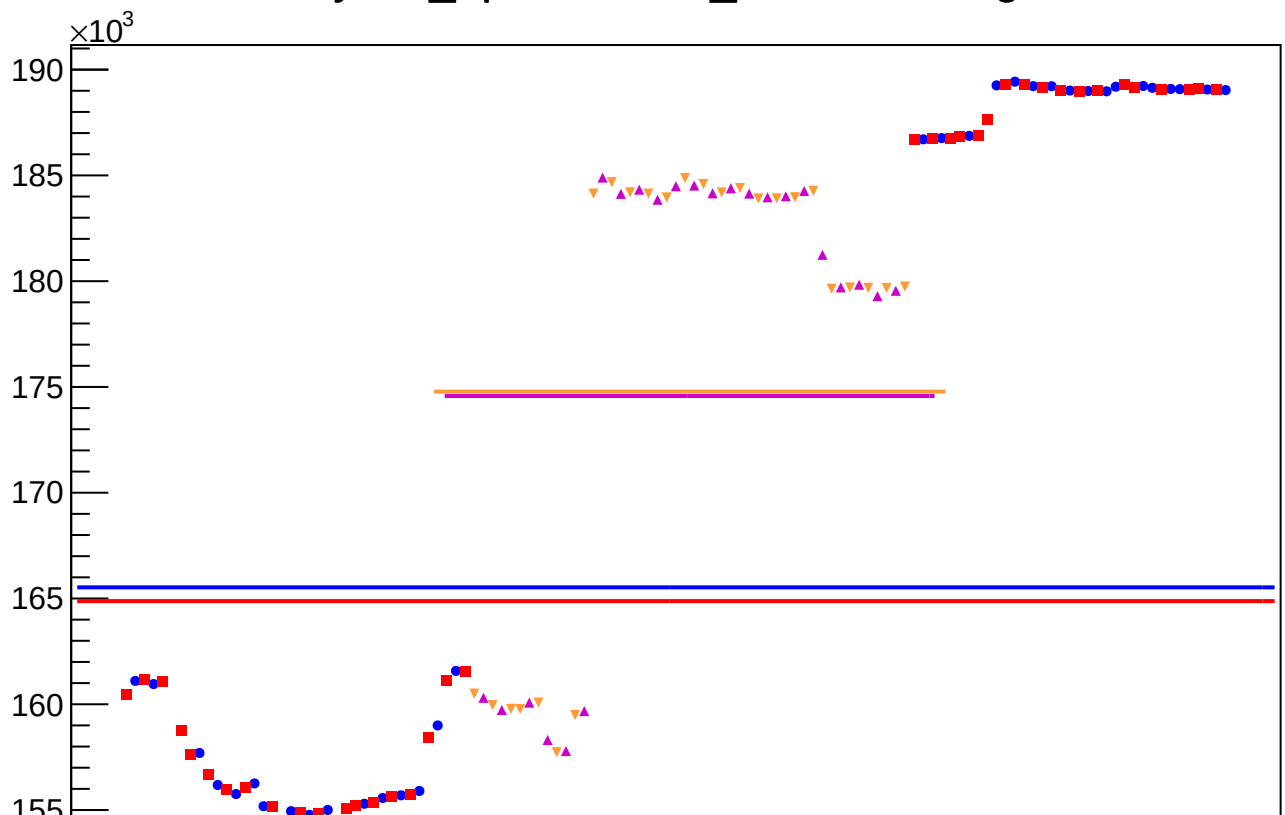
Right Out: 177.552+/-0.030 χ^2/NDF: 8021210.1/36

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 193.920+/-0.023 χ^2/NDF: 8574204.5/57

All: 191.654+/-0.016 χ^2/NDF: 18019429.5/11

- sign 189.429+/-0.023 χ^2/NDF: 9426007.5/59



Right In: 165525.535+/-0.048 χ^2/NDF: 91960424407.6/32

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 164876.168+/-0.046 χ^2/NDF: 96683125727.7/36

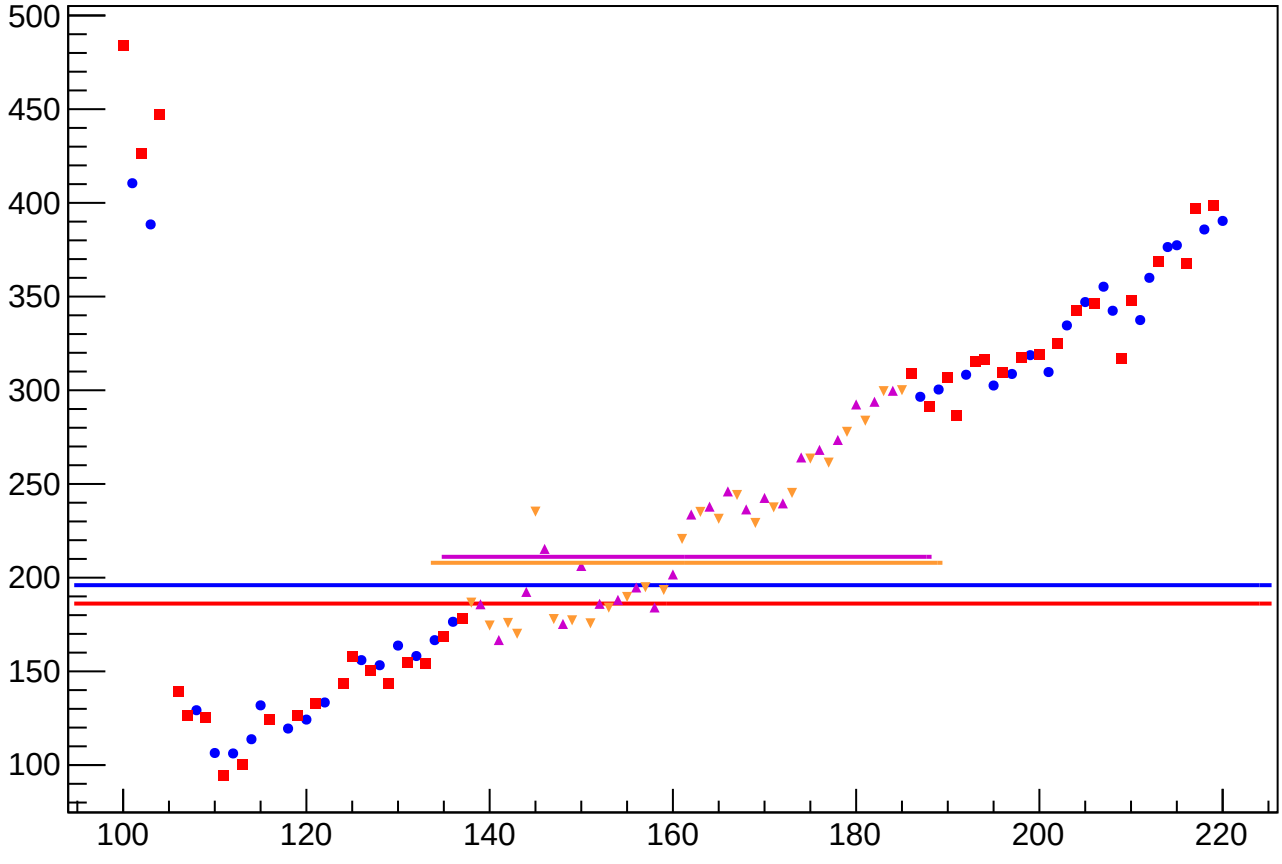
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 170153.528+/-0.034 χ^2/NDF: 16852182821

All: 169696.405+/-0.024 χ^2/NDF: 34068545

- sign 169247.003+/-0.034 χ^2/NDF: 171807011502

yield_bpm2i02WS_rms vs Slug



Right In: 195.995+/-0.034 χ^2/NDF: 8180766.5/32

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 186.173+/-0.032 χ^2/NDF: 8929298.5/36

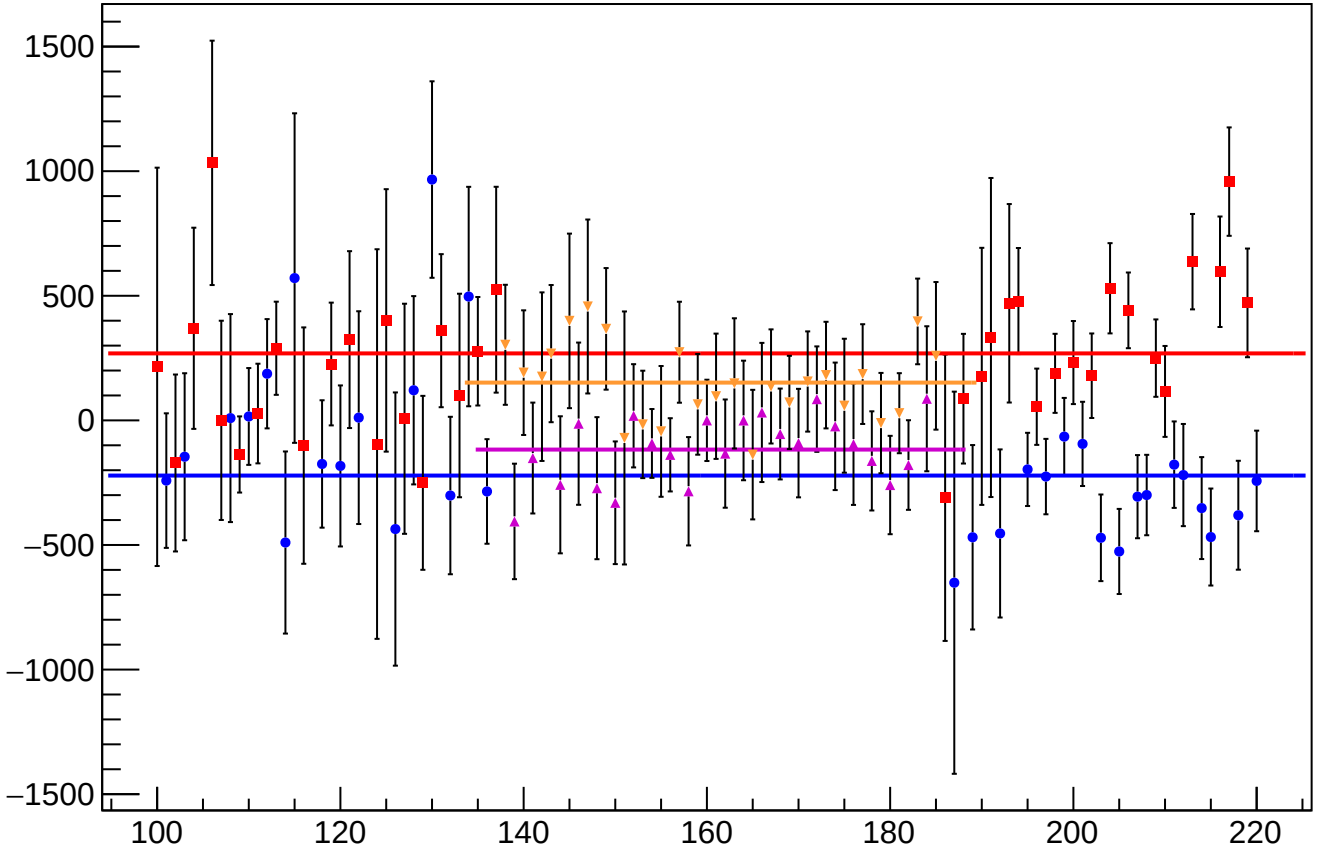
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 201.968+/-0.024 χ^2/NDF: 9374280.7/57

All: 199.678+/-0.017 χ^2/NDF: 19585241.0/11

- sign 197.427+/-0.024 χ^2/NDF: 10193066.3/59

asym_bcm_target_mean vs Slug



Right In: -221.460+/-39.246 χ^2/NDF: 31.7/32

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 268.770+/-39.109 χ^2/NDF: 43.3/36

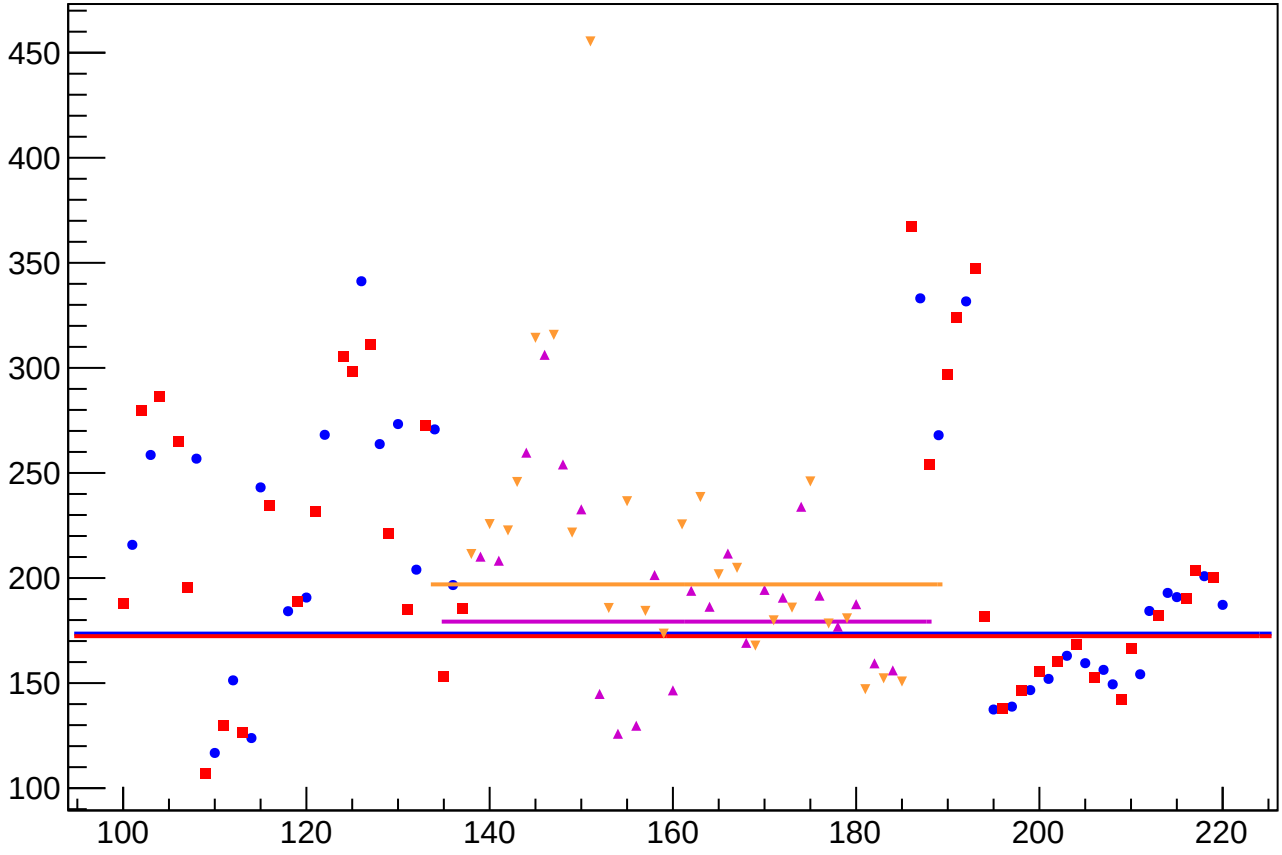
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

\+ sign -65.951+/-29.970 χ^2/NDF: 79.0/57

All: 17.983+/-20.902 χ^2/NDF: 188.3/117

\- sign 97.474+/-29.166 χ^2/NDF: 94.0/59

asym_bcm_target_rms vs Slug



Right In: 173.546+/-0.028 χ^2/NDF: 2351569.2/32

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

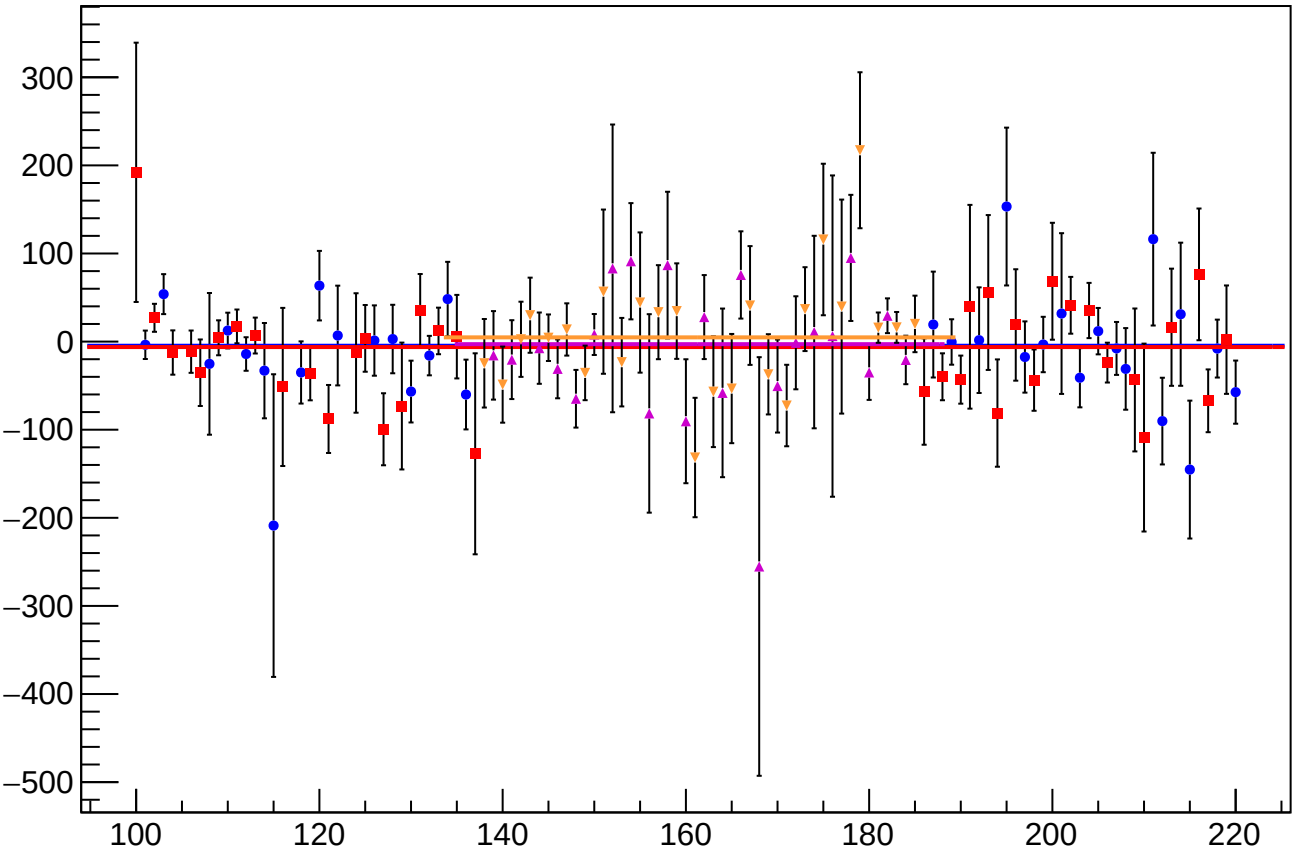
Right Out: 172.331+/-0.028 χ^2/NDF: 3069369.9/36

Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 183.312+/-0.021 χ^2/NDF: 4458003.9/57

All: 179.251+/-0.015 χ^2/NDF: 9282744.0/117

- sign 175.405+/-0.021 χ^2/NDF: 4753225.8/59



Right In: -4.702+/-5.880 χ^2/NDF: 34.8/32

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

Right Out: -6.202+/-5.566 χ^2/NDF: 42.5/36

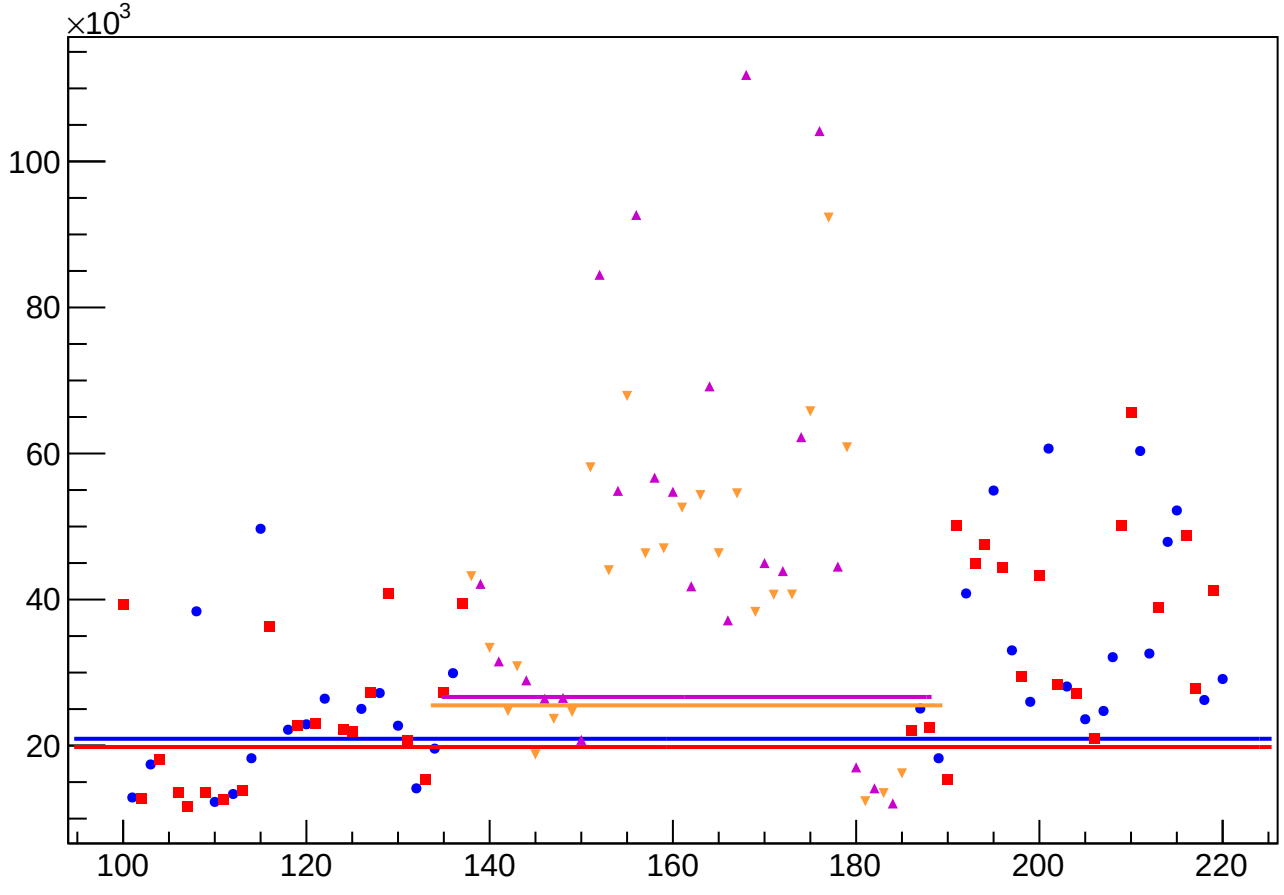
Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign -1.144+/-4.651 χ^2/NDF: 60.1/57

All: -3.180+/-3.309 χ^2/NDF: 124.6/117

- sign -5.270+/-4.710 χ^2/NDF: 64.1/59

asym_bcm_an_diff_rms vs Slug



Right In: 20932.996+/-4.158 χ^2/NDF: 4314406.7/32

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 19803.006+/-3.936 χ^2/NDF: 5039774.9/36

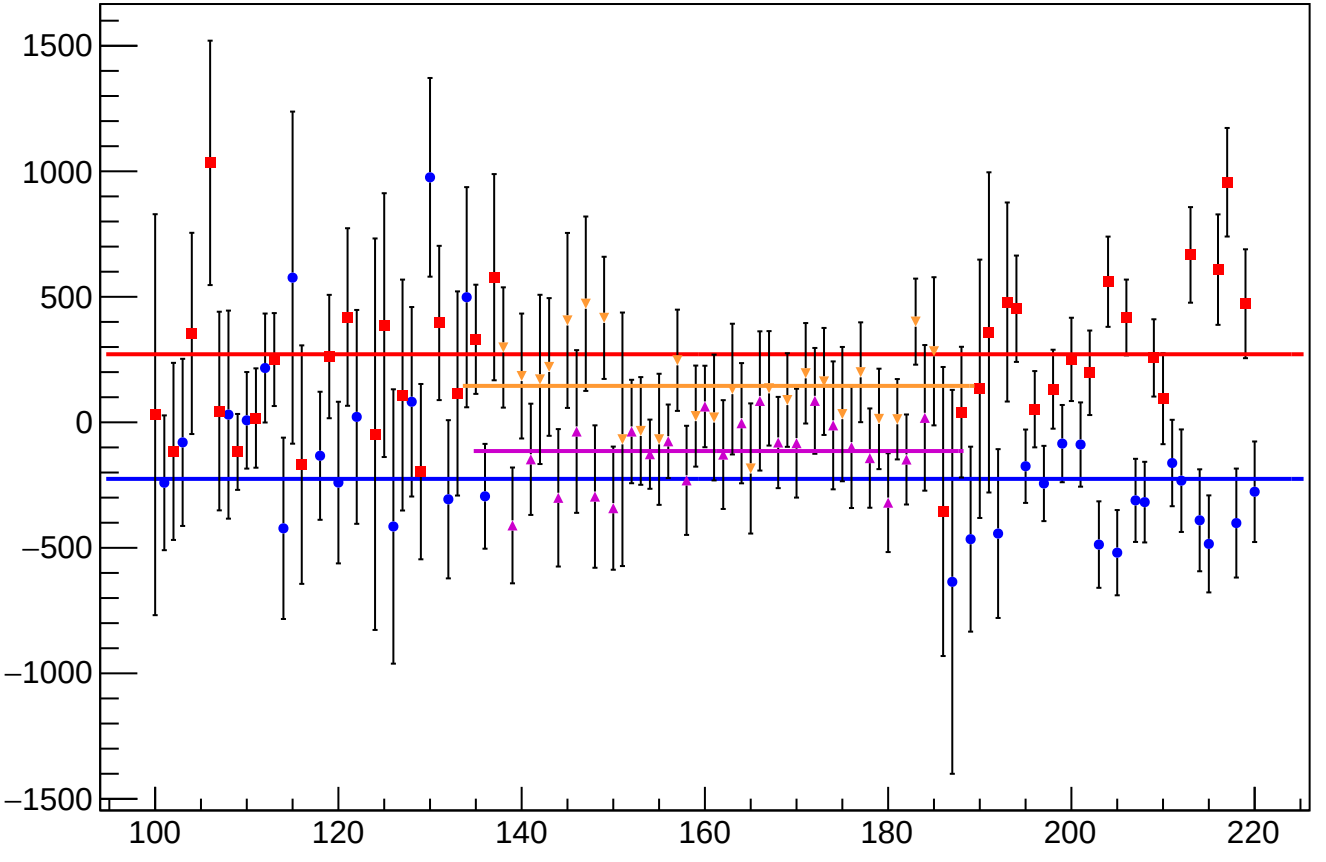
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 22647.459+/-3.289 χ^2/NDF: 12511214.5/57

All: 22204.394+/-2.340 χ^2/NDF: 24332849.4

- sign 21749.917+/-3.331 χ^2/NDF: 11784863.5/59

asym_bcm_an_ds_mean vs Slug



Right In: -225.314+/-38.987 χ^2/NDF: 33.3/32

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 271.182+/-38.862 χ^2/NDF: 44.7/36

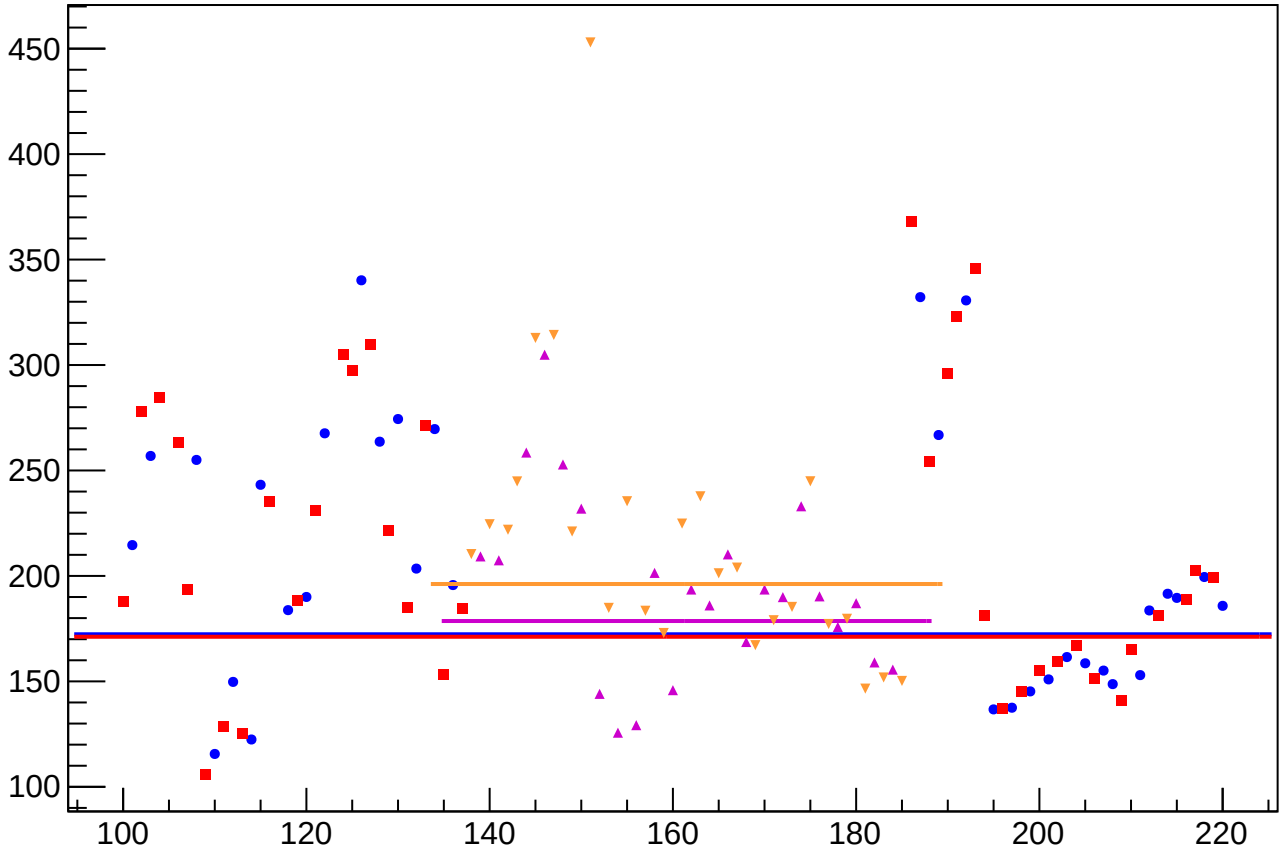
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign -71.317+/-29.802 χ^2/NDF: 82.0/57

All: 16.916+/-20.790 χ^2/NDF: 195.8/117

- sign 100.557+/-29.016 χ^2/NDF: 96.6/59

asym_bcm_an_ds_rms vs Slug



Right In: 172.335+/-0.028 χ^2/NDF: 2381543.2/32

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 171.159+/-0.027 χ^2/NDF: 3108757.8/36

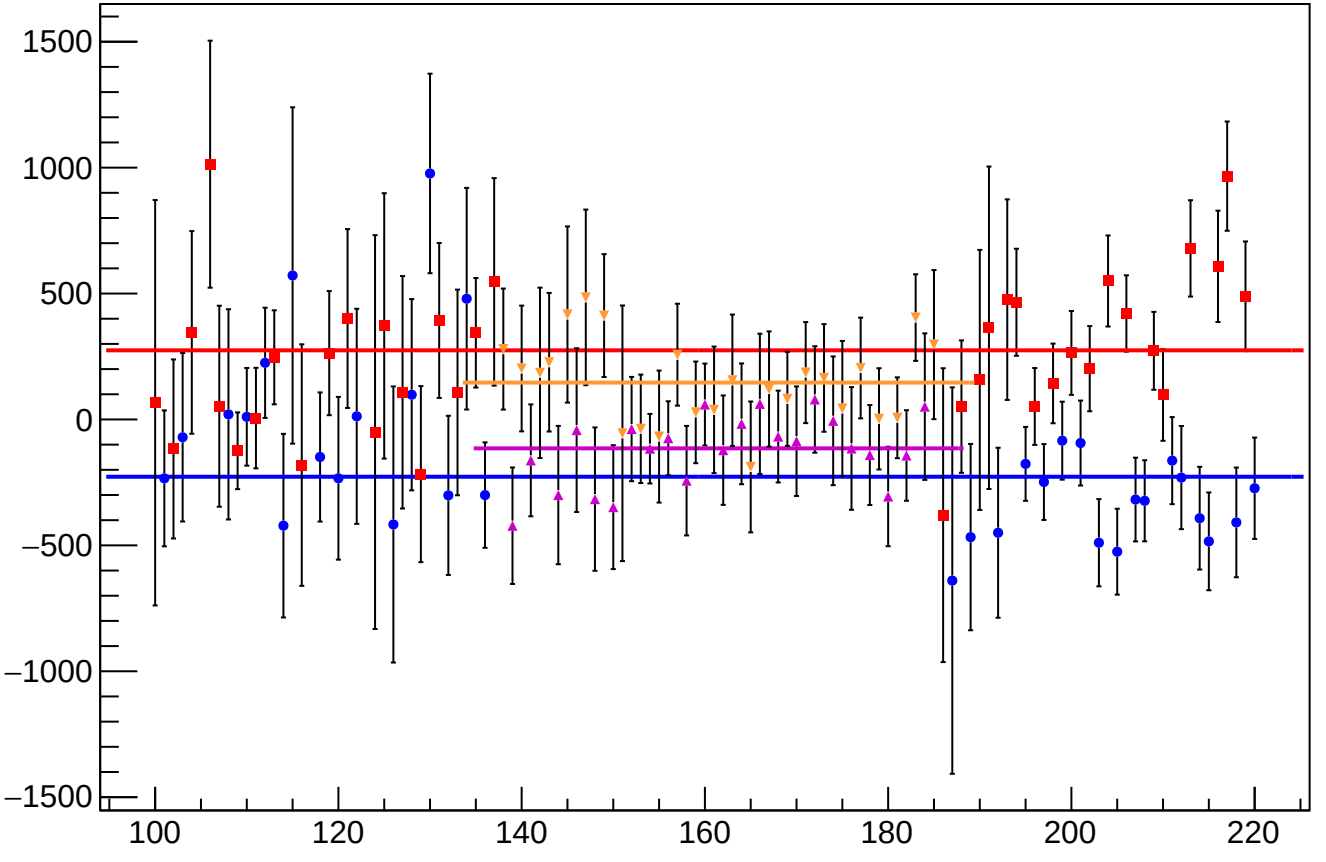
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 182.241+/-0.021 χ^2/NDF: 4499011.4/57

All: 178.247+/-0.015 χ^2/NDF: 9362233.3/117

- sign 174.461+/-0.021 χ^2/NDF: 4793259.4/59

asym_bcm_an_ds3_mean vs Slug



Right In: -227.487+/-39.170 χ^2/NDF: 33.4/32

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 274.494+/-39.054 χ^2/NDF: 45.0/36

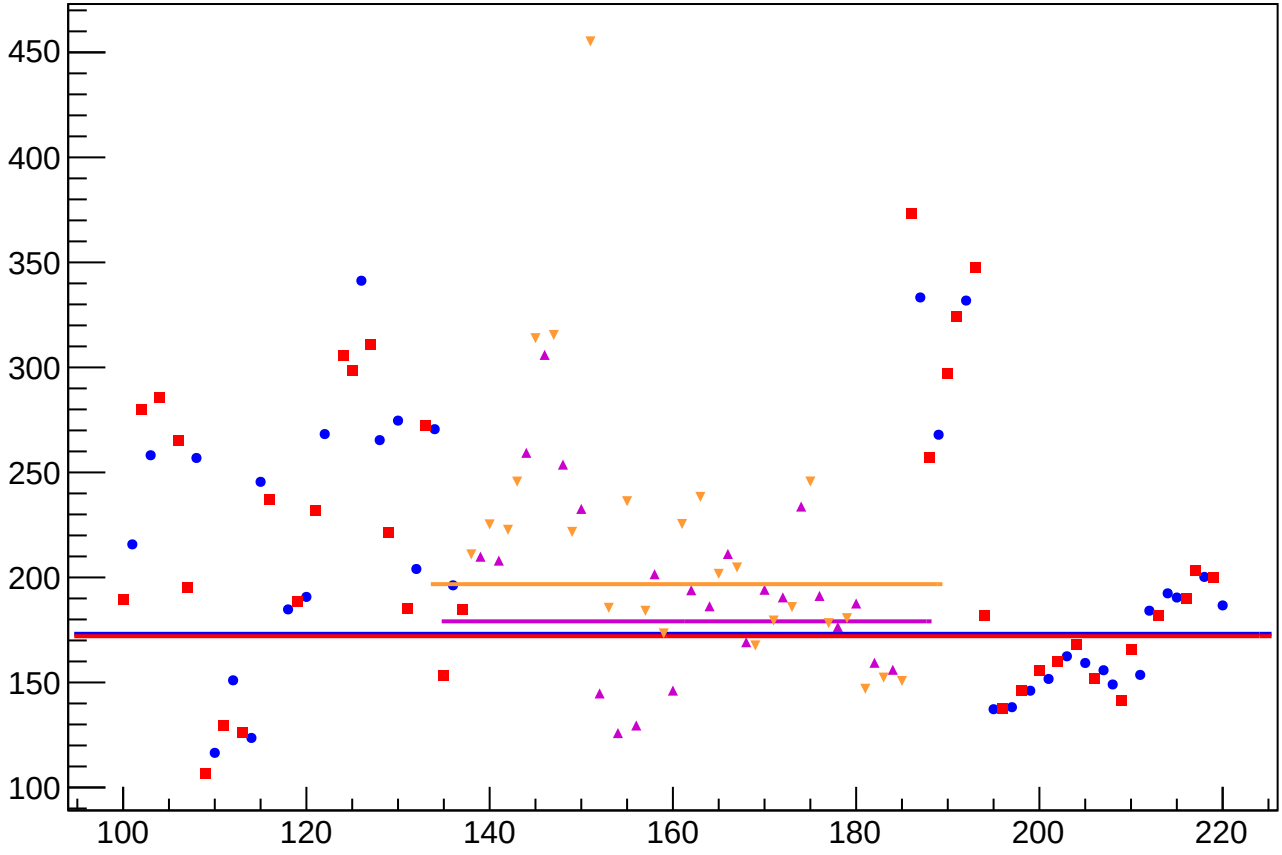
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

+ sign -71.821+/-29.925 χ^2/NDF: 82.7/57

All: 17.325+/-20.874 χ^2/NDF: 197.5/117

- sign 101.808+/-29.132 χ^2/NDF: 97.5/59

asym_bcm_an_ds3_rms vs Slug



Right In: 173.161+/-0.028 χ^2/NDF: 2373023.6/32

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 172.012+/-0.028 χ^2/NDF: 3104834.2/36

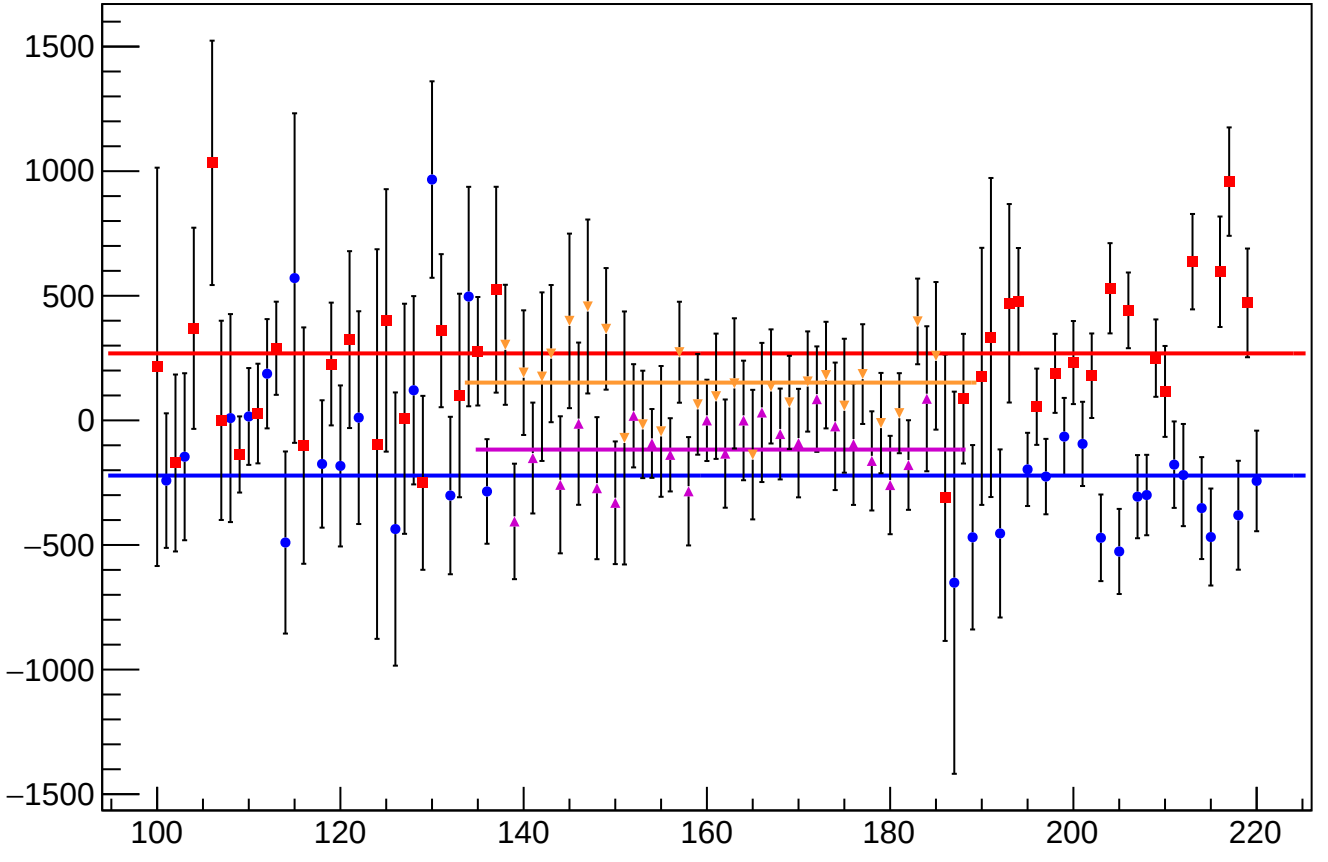
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 183.005+/-0.021 χ^2/NDF: 4485029.7/57

All: 178.975+/-0.015 χ^2/NDF: 9345596.7/117

- sign 175.156+/-0.021 χ^2/NDF: 4789932.0/59

asym_bcm_an_us_mean vs Slug



Right In: -221.460+/-39.246 χ^2/NDF: 31.7/32

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 268.770+/-39.109 χ^2/NDF: 43.3/36

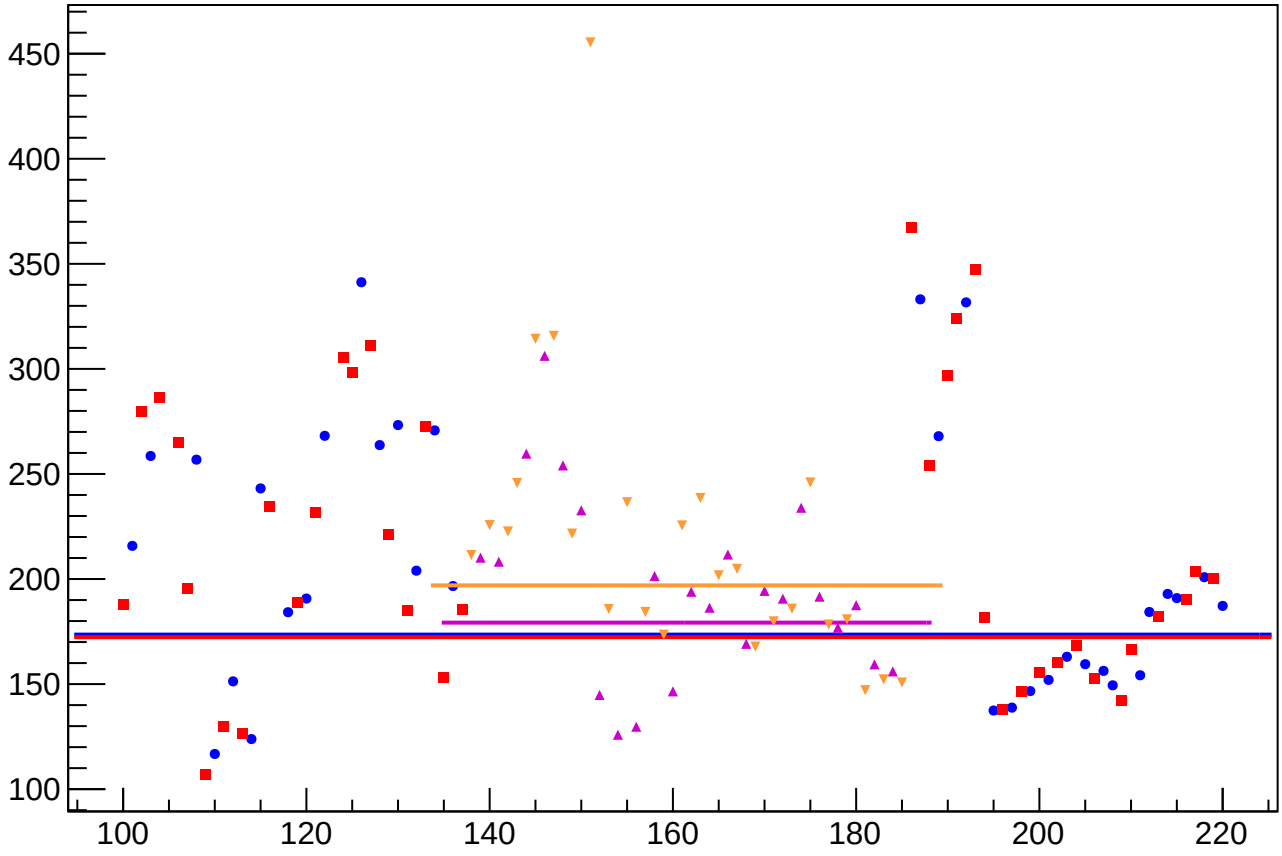
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

+ sign -65.951+/-29.970 χ^2/NDF: 79.0/57

All: 17.983+/-20.902 χ^2/NDF: 188.3/117

- sign 97.474+/-29.166 χ^2/NDF: 94.0/59

asym_bcm_an_us_rms vs Slug



Right In: 173.546+/-0.028 χ^2/NDF: 2351569.2/32

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 172.331+/-0.028 χ^2/NDF: 3069369.9/36

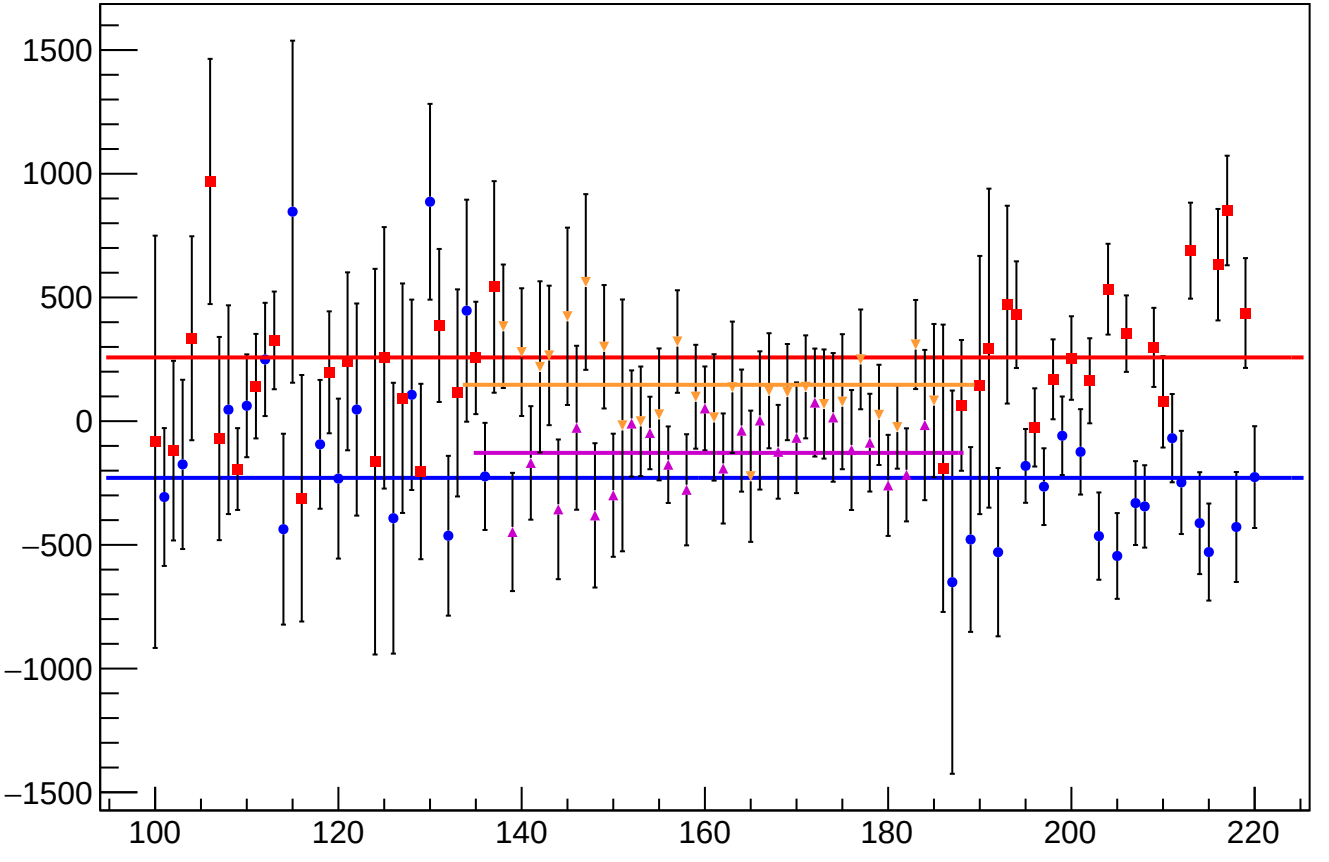
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 183.312+/-0.021 χ^2/NDF: 4458003.9/57

All: 179.251+/-0.015 χ^2/NDF: 9282744.0/117

- sign 175.405+/-0.021 χ^2/NDF: 4753225.8/59

asym_bcm_dg_us_mean vs Slug



Right In: -229.192+/-40.104 χ^2/NDF: 35.7/32

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 257.611+/-40.095 χ^2/NDF: 41.2/36

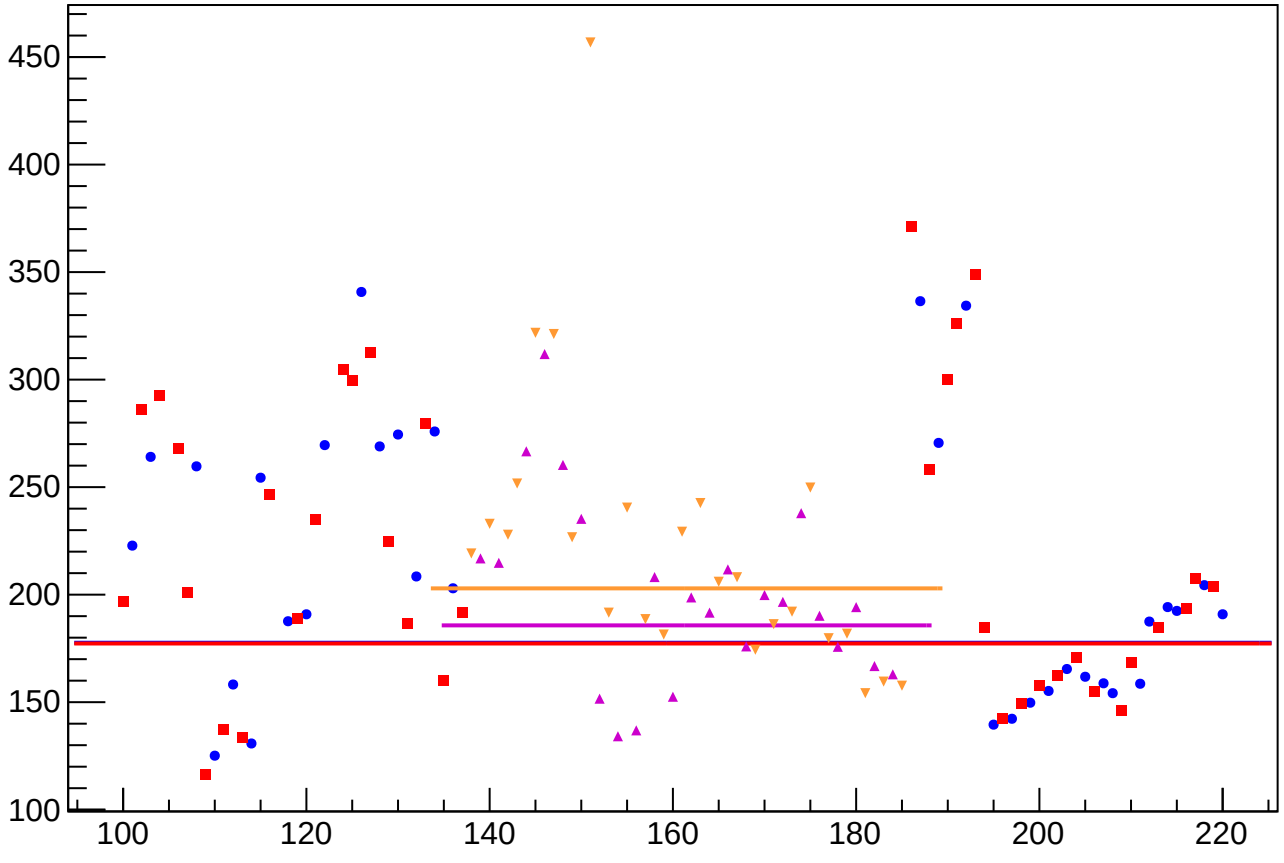
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign -73.442+/-30.699 χ^2/NDF: 82.4/57

All: 9.014+/-21.454 χ^2/NDF: 187.0/117

- sign 87.731+/-29.995 χ^2/NDF: 90.5/59

asym_bcm_dg_us_rms vs Slug



Right In: 177.637+/-0.028 χ^2/NDF: 2244371.4/32

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 177.290+/-0.028 χ^2/NDF: 2848542.5/36

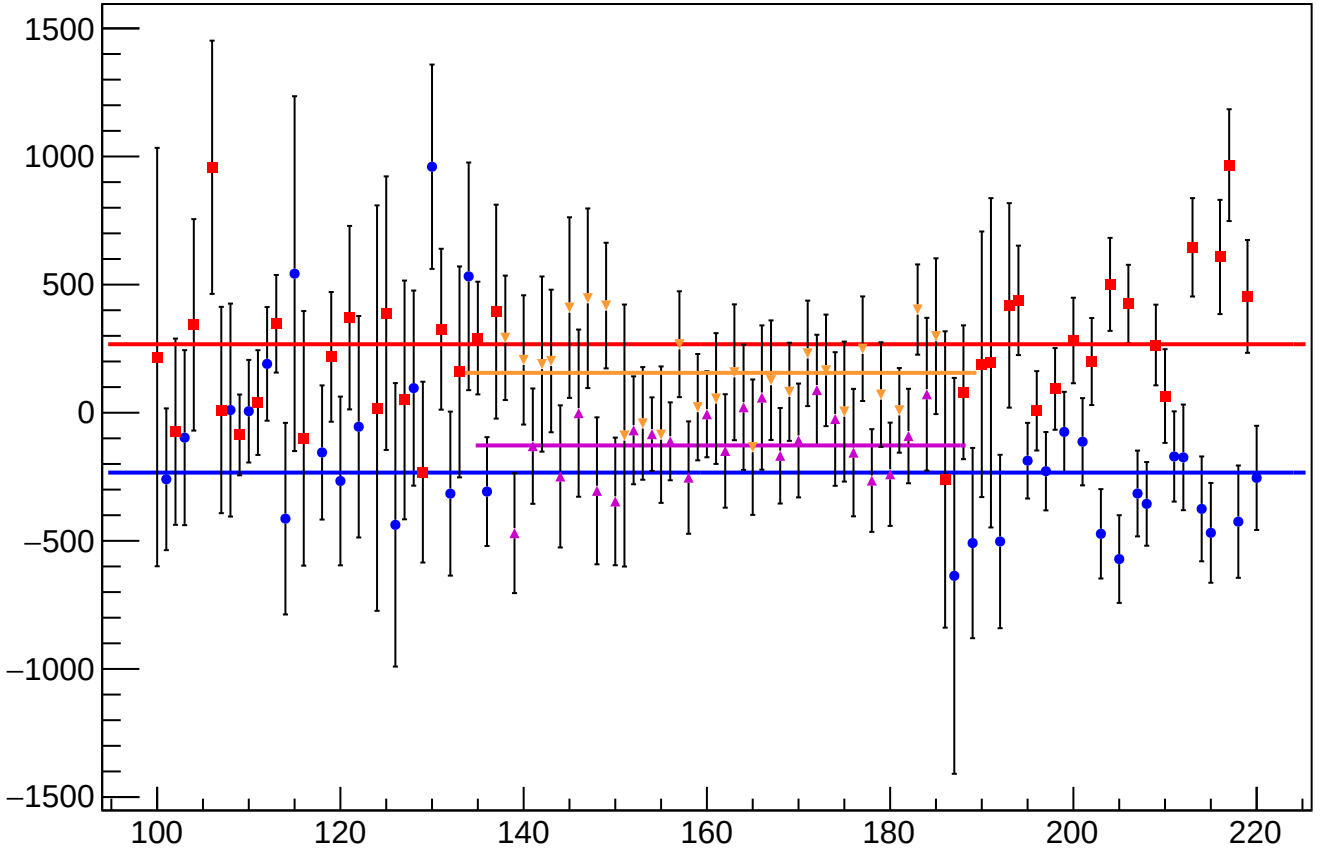
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 188.106+/-0.022 χ^2/NDF: 4273600.7/57

All: 184.471+/-0.015 χ^2/NDF: 8705333.5/117

- sign 181.001+/-0.021 χ^2/NDF: 4376922.5/59

asym_bcm_dg_ds_mean vs Slug



Right In: -233.641+/-39.605 χ^2/NDF: 32.9/32

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 267.317+/-39.506 χ^2/NDF: 40.5/36

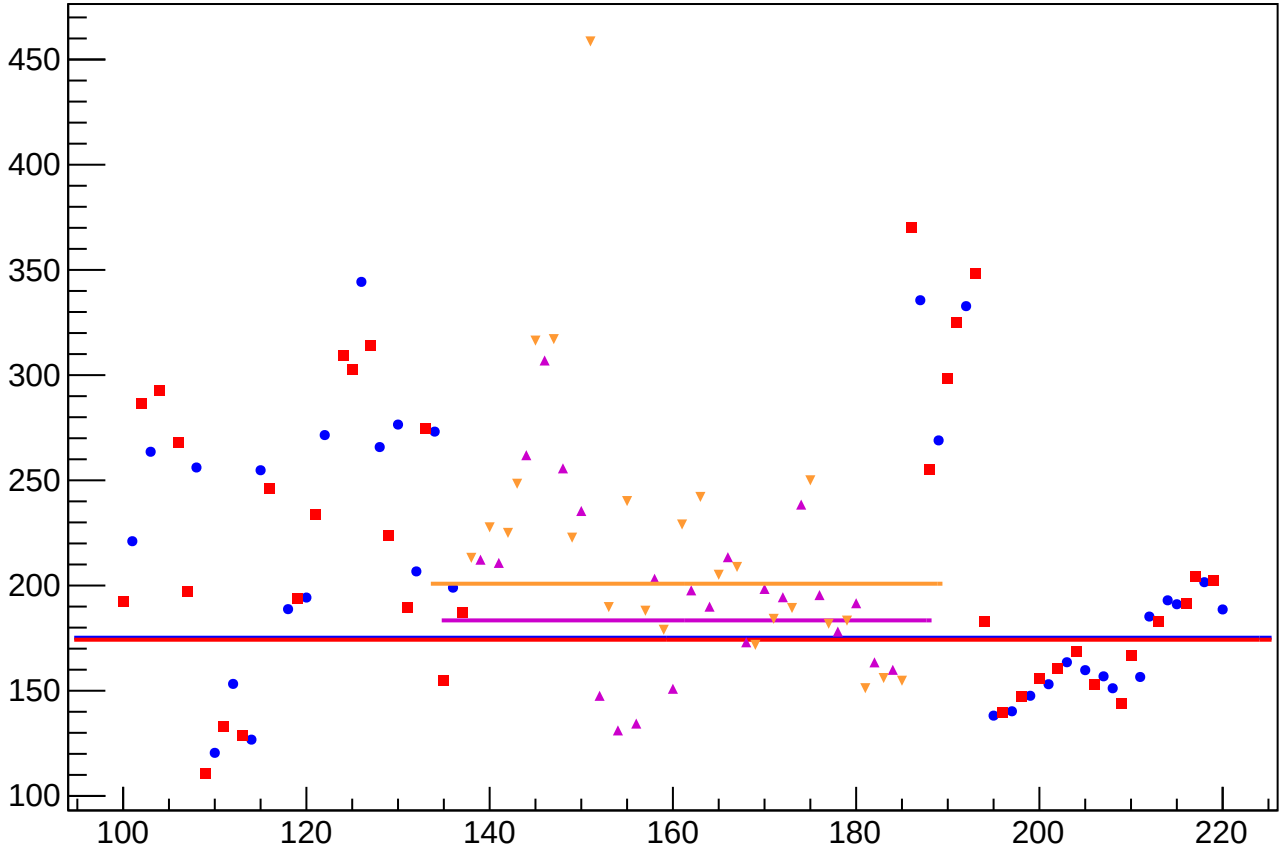
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign -73.053+/-30.356 χ^2/NDF: 83.4/57

All: 12.624+/-21.193 χ^2/NDF: 191.3/117

- sign 94.091+/-29.601 χ^2/NDF: 92.3/59

asym_bcm_dg_ds_rms vs Slug



Right In: 175.197+/-0.028 χ^2/NDF: 2335721.3/32

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 174.244+/-0.028 χ^2/NDF: 3024807.6/36

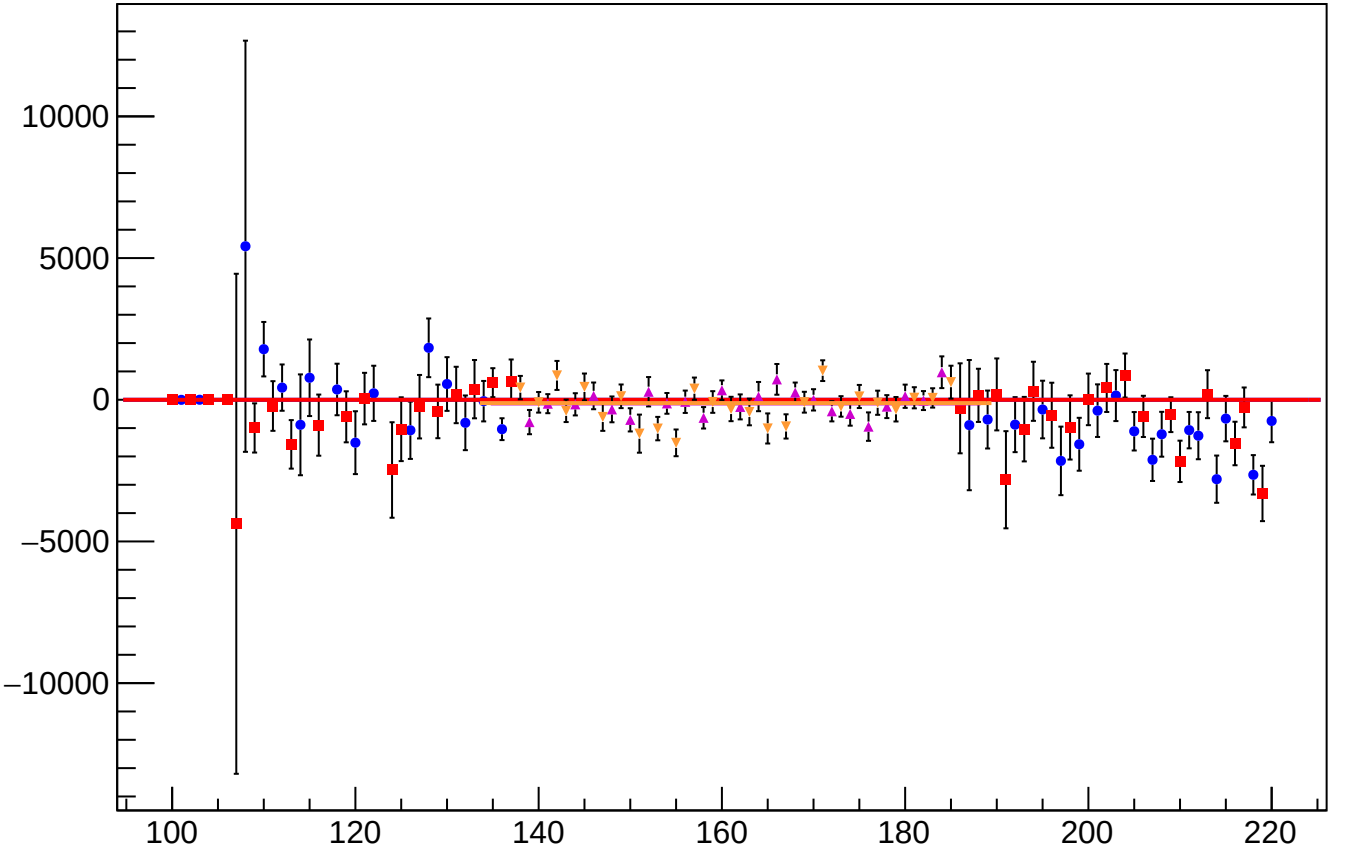
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 185.786+/-0.021 χ^2/NDF: 4409651.9/57

All: 181.935+/-0.015 χ^2/NDF: 9075359.6/117

- sign 178.274+/-0.021 χ^2/NDF: 4602940.9/59

asym_cav4bQ_mean vs Slug



Right In: -1.381+/-2.171 χ^2/NDF: 73.3/32

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.432+/-2.022 χ^2/NDF: 48.9/36

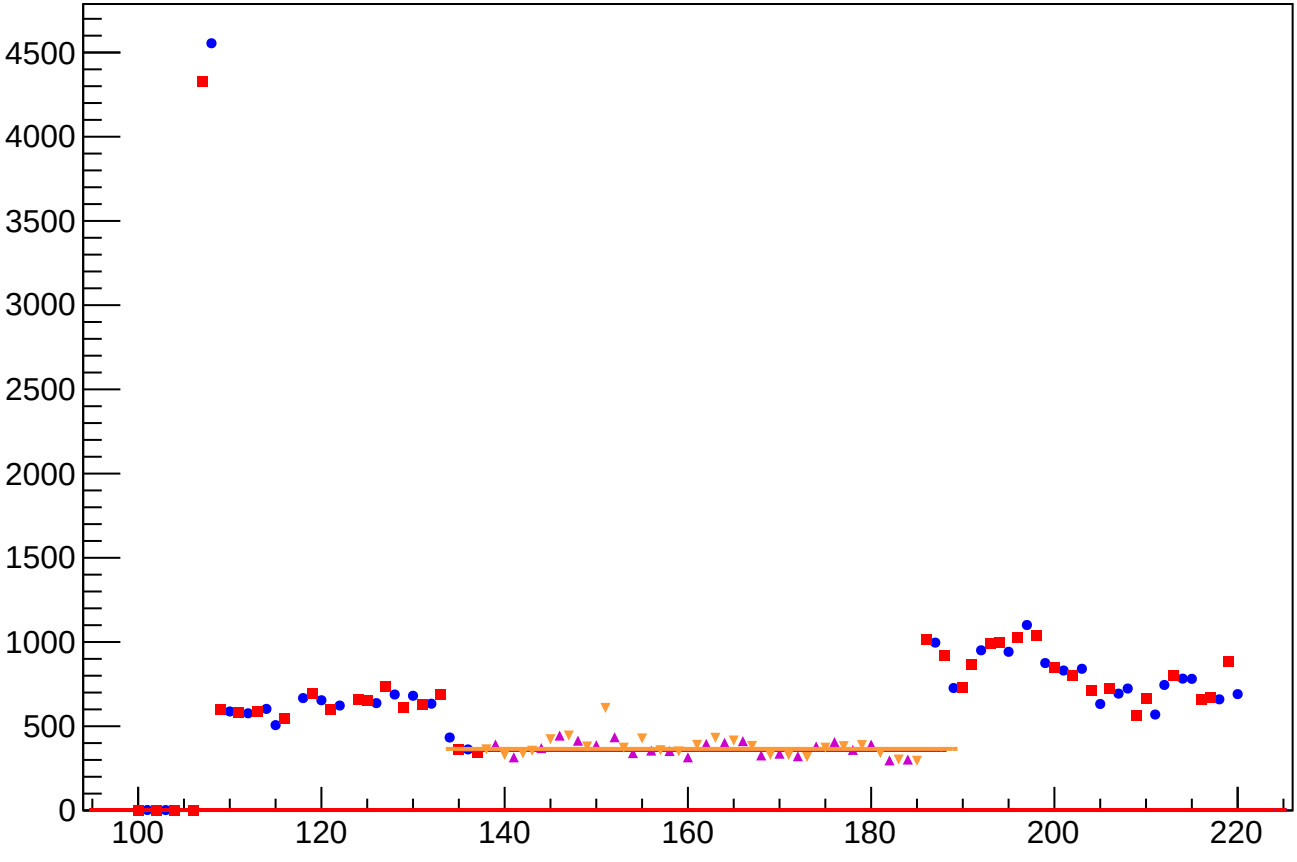
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.458+/-2.170 χ^2/NDF: 121.6/57

All: -1.483+/-1.479 χ^2/NDF: 194.5/117

- sign -1.505+/-2.022 χ^2/NDF: 72.8/59

asym_cav4bQ_rms vs Slug



Right In: 2.560+/-0.002 χ^2/NDF: 38714788.3/32

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.533+/-0.001 χ^2/NDF: 39138135.8/36

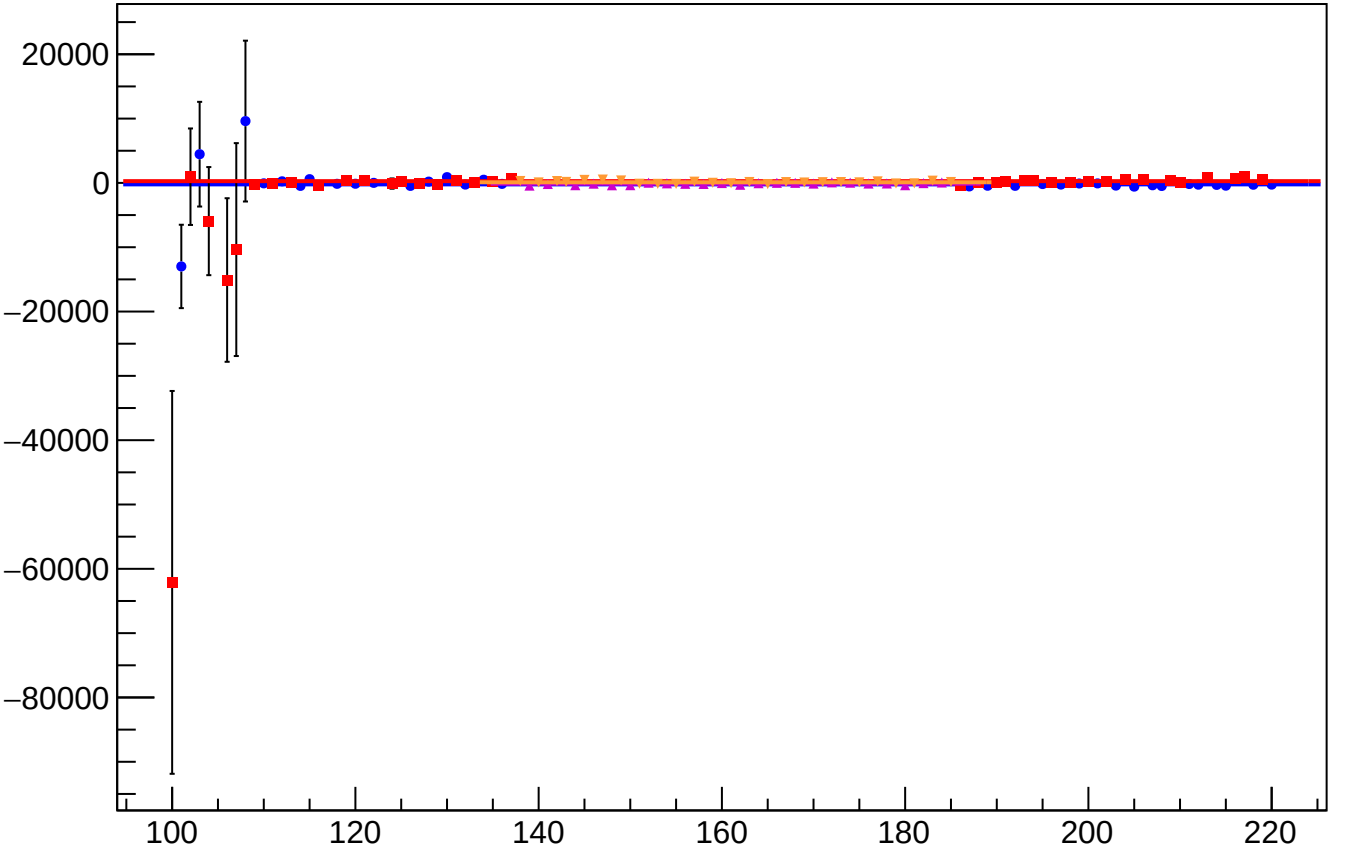
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.801+/-0.002 χ^2/NDF: 76532678.4/57

All: 2.765+/-0.001 χ^2/NDF: 151215963.3/117

- sign 2.734+/-0.001 χ^2/NDF: 74682275.3/59

asym_cav4cQ_mean vs Slug



Right In: -228.169+/-42.902 χ^2/NDF: 34.6/32

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 273.649+/-43.274 χ^2/NDF: 49.2/36

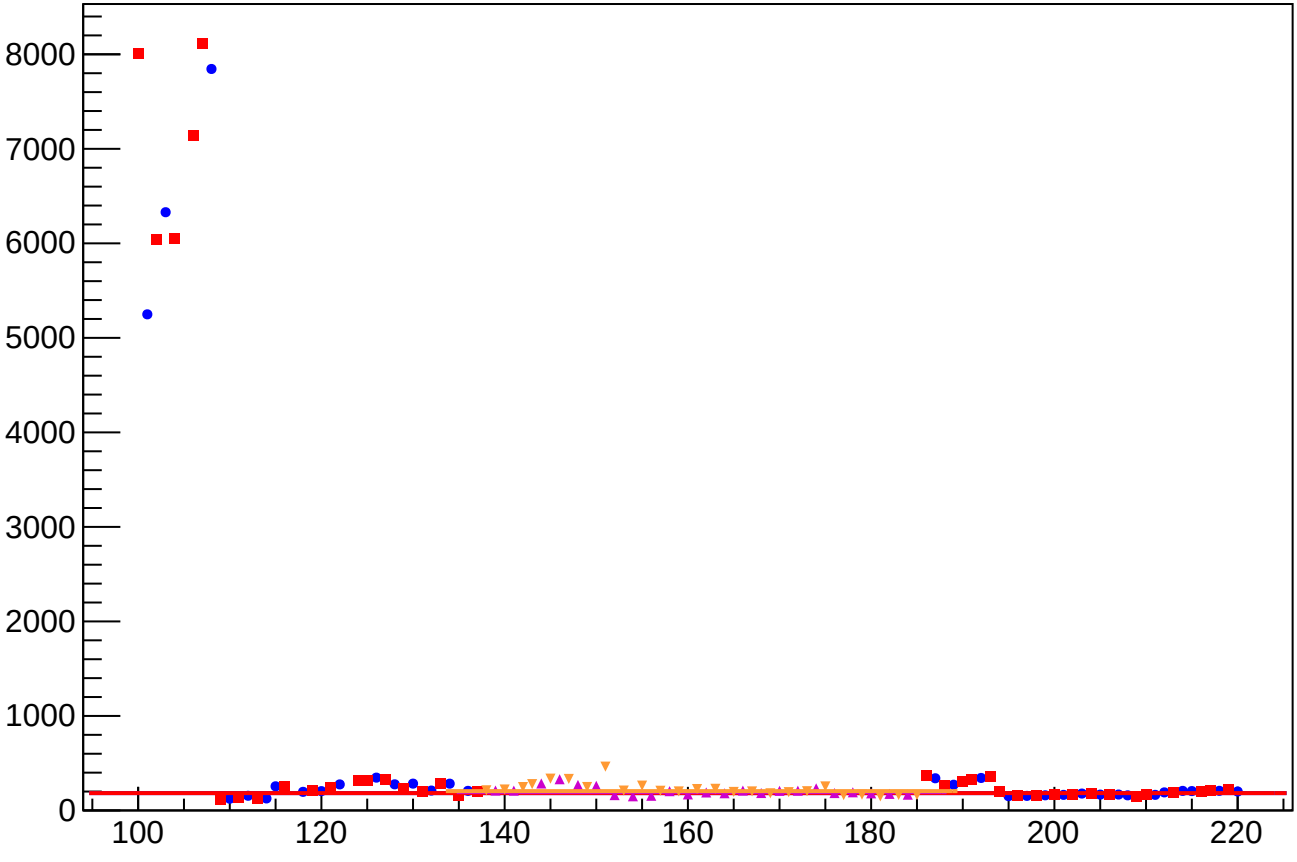
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign -83.447+/-32.061 χ^2/NDF: 73.1/57

All: 5.520+/-22.586 χ^2/NDF: 184.7/117

- sign 93.165+/-31.822 χ^2/NDF: 96.4/59

asym_cav4cQ_rms vs Slug



Right In: 183.458+/-0.030 χ^2/NDF: 4988838.1/32

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 183.506+/-0.031 χ^2/NDF: 5707838.6/36

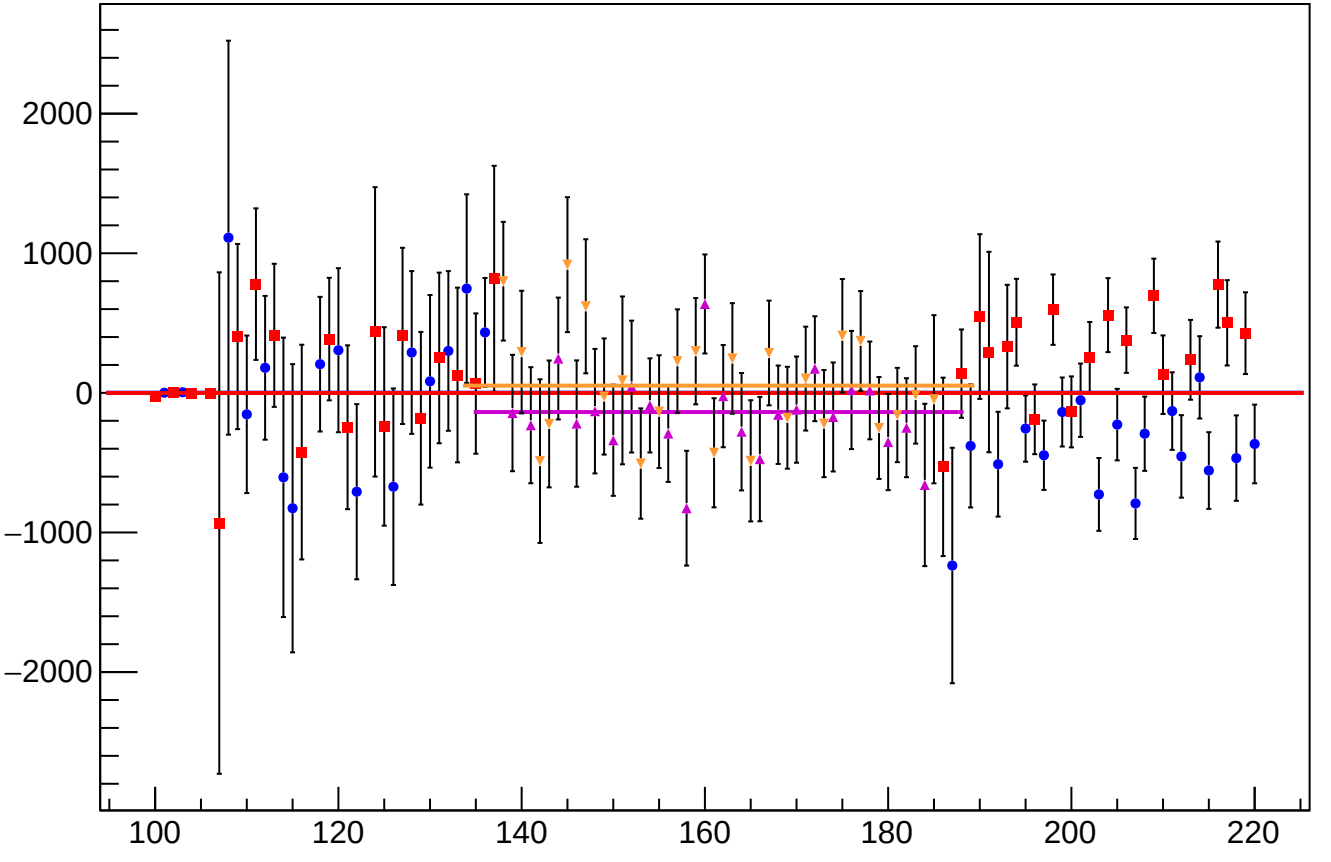
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 192.785+/-0.023 χ^2/NDF: 7178019.0/57

All: 190.514+/-0.016 χ^2/NDF: 14150299.2/11

- sign 188.277+/-0.023 χ^2/NDF: 6952368.6/59

asym_cav4dQ_mean vs Slug



Right In: 1.248+/-1.660 χ^2/NDF: 47.9/32

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -0.942+/-1.527 χ^2/NDF: 47.7/36

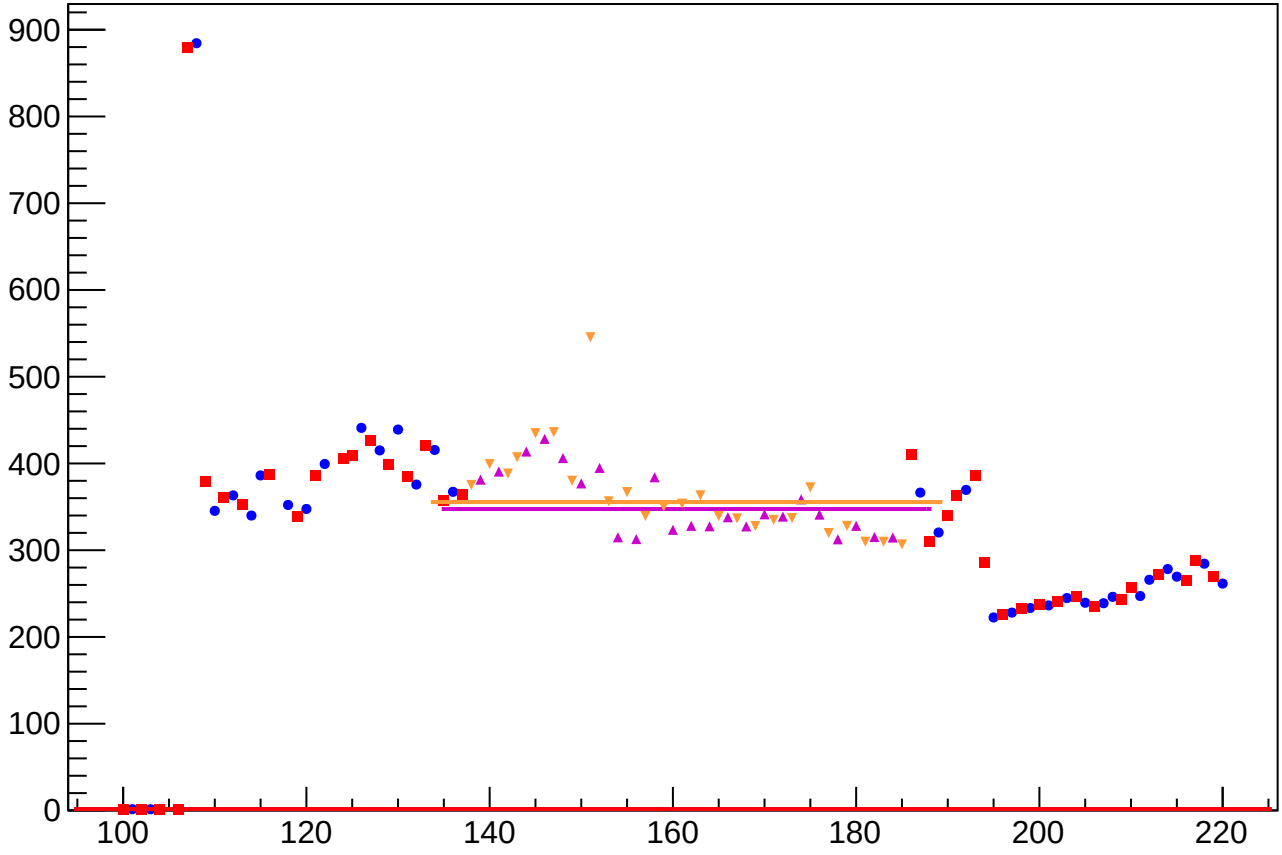
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.269+/-1.659 χ^2/NDF: 67.7/57

All: 0.046+/-1.124 χ^2/NDF: 131.3/117

- sign -0.989+/-1.527 χ^2/NDF: 62.6/59

asym_cav4dQ_rms vs Slug



Right In: 1.616+/-0.001 χ^2/NDF: 38955270.2/32

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.588+/-0.001 χ^2/NDF: 38825855.5/36

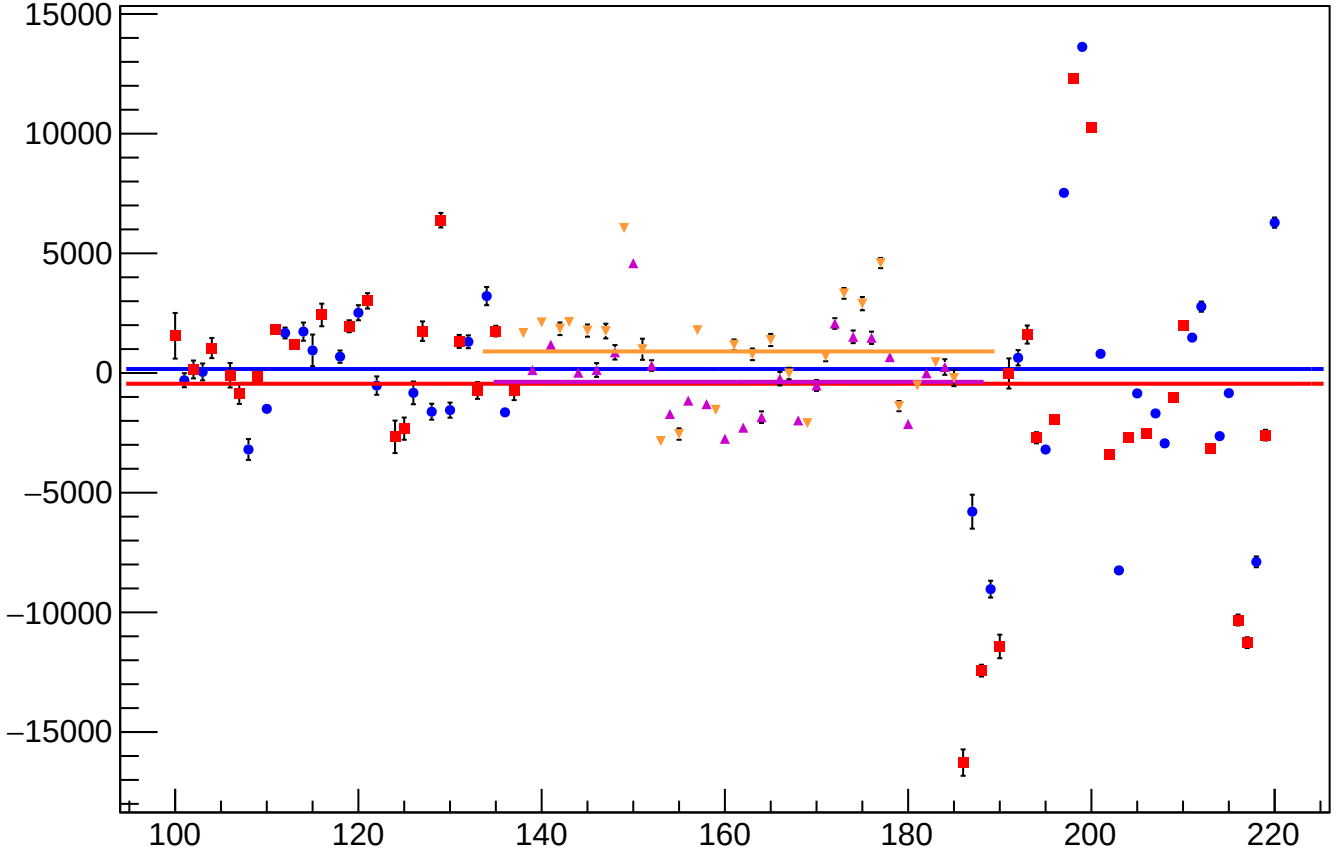
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

+ sign 1.763+/-0.001 χ^2/NDF: 77133408.1/57

All: 1.733+/-0.001 χ^2/NDF: 151783725.6/117

- sign 1.708+/-0.001 χ^2/NDF: 74649125.1/59

asym_bcm0l02_mean vs Slug



Right In: 166.974+/-41.187 χ^2/NDF: 14337.2/32

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: -448.543+/-40.945 χ^2/NDF: 18860.0/36

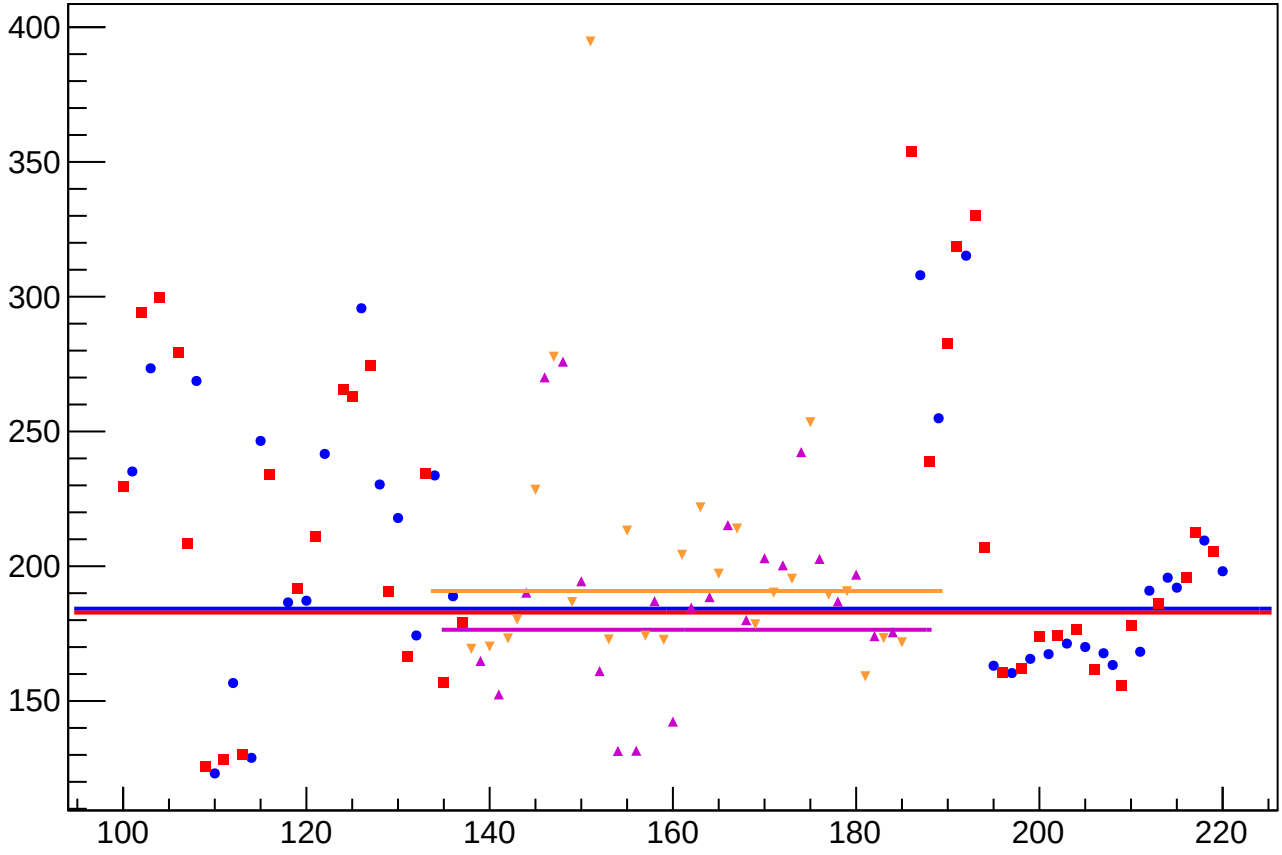
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 506.020+/-30.221 χ^2/NDF: 16894.9/57

All: 37.736+/-21.129 χ^2/NDF: 37819.5/117

- sign -410.081+/-29.553 χ^2/NDF: 20454.9/59

asym_bcm0l02_rms vs Slug



Right In: 184.252+/-0.029 χ^2/NDF: 1492361.6/32

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 182.804+/-0.029 χ^2/NDF: 2254976.8/36

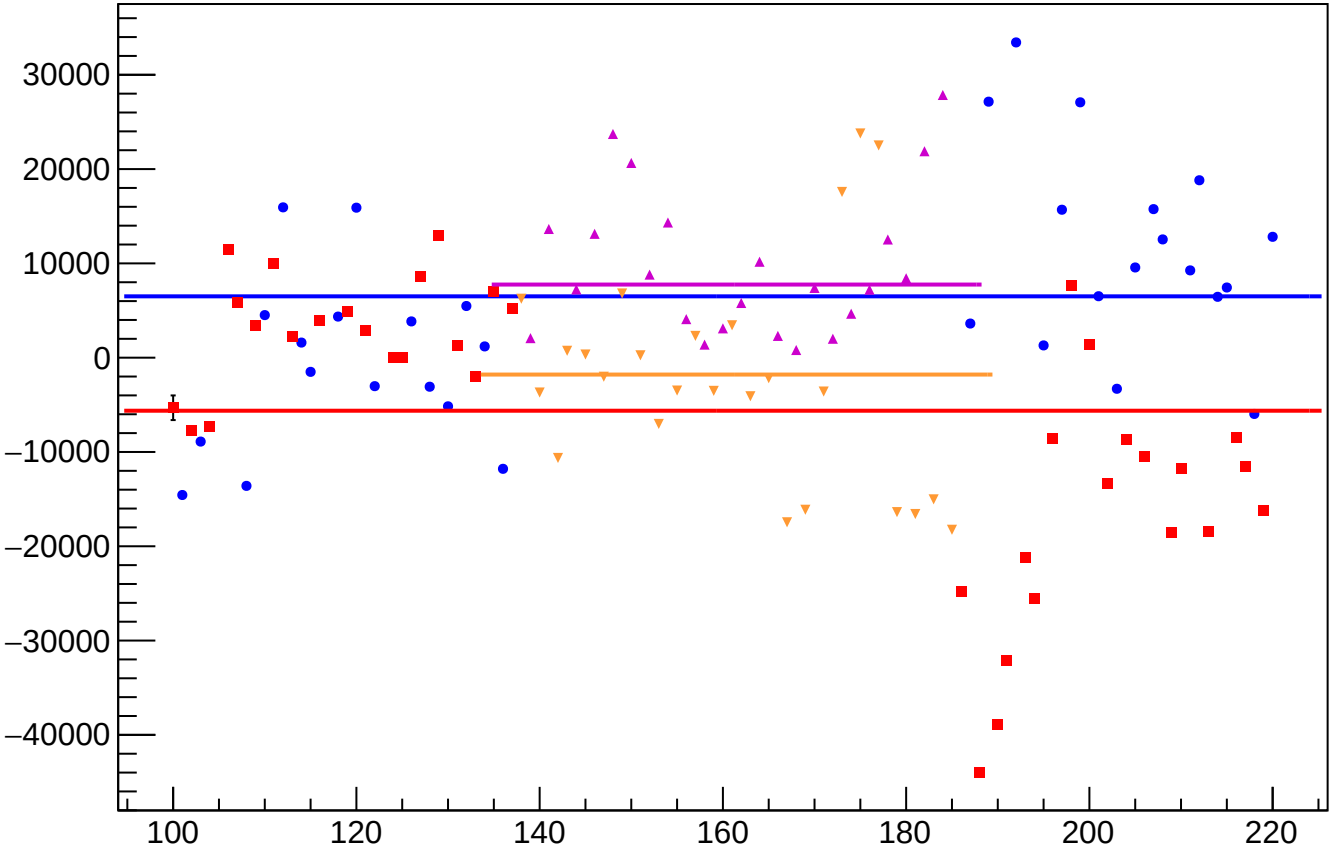
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 187.275+/-0.021 χ^2/NDF: 2535300.7/57

All: 183.429+/-0.015 χ^2/NDF: 6134512.3/117

- sign 179.751+/-0.021 χ^2/NDF: 3535844.5/59

asym_bpm0i02WS_mean vs Slug



Right In: 6505.140+/-37.568 χ^2/NDF: 99854.7/32

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -5625.025+/-36.486 χ^2/NDF: 149627.3/36

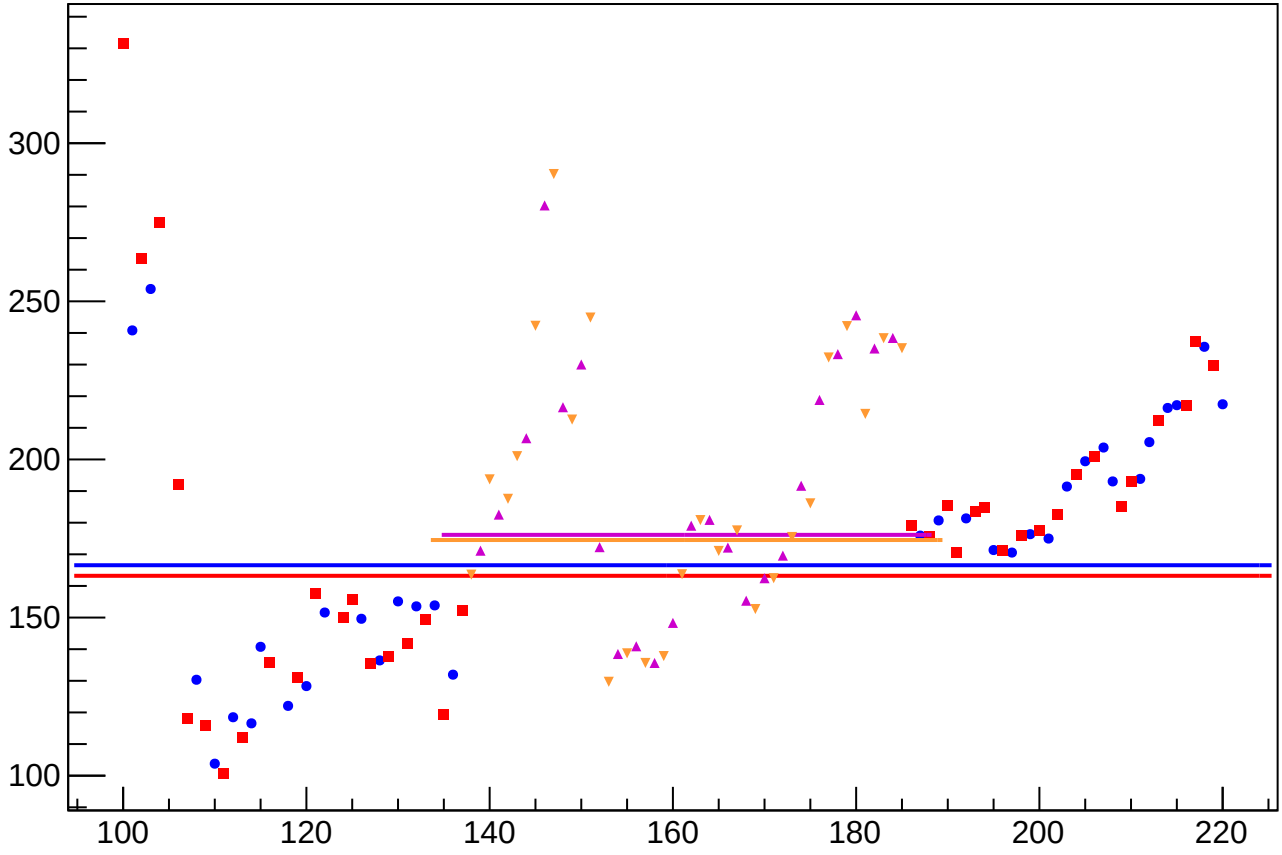
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2710.068+/-27.671 χ^2/NDF: 187906.8/57

All: 1377.052+/-19.578 χ^2/NDF: 422405.3/11

- sign 40.898+/-27.703 χ^2/NDF: 229851.5/59

asym_bpm0i02WS_rms vs Slug



Right In: 166.549+/-0.027 χ^2/NDF: 1914541.1/32

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 163.206+/-0.026 χ^2/NDF: 2261955.4/36

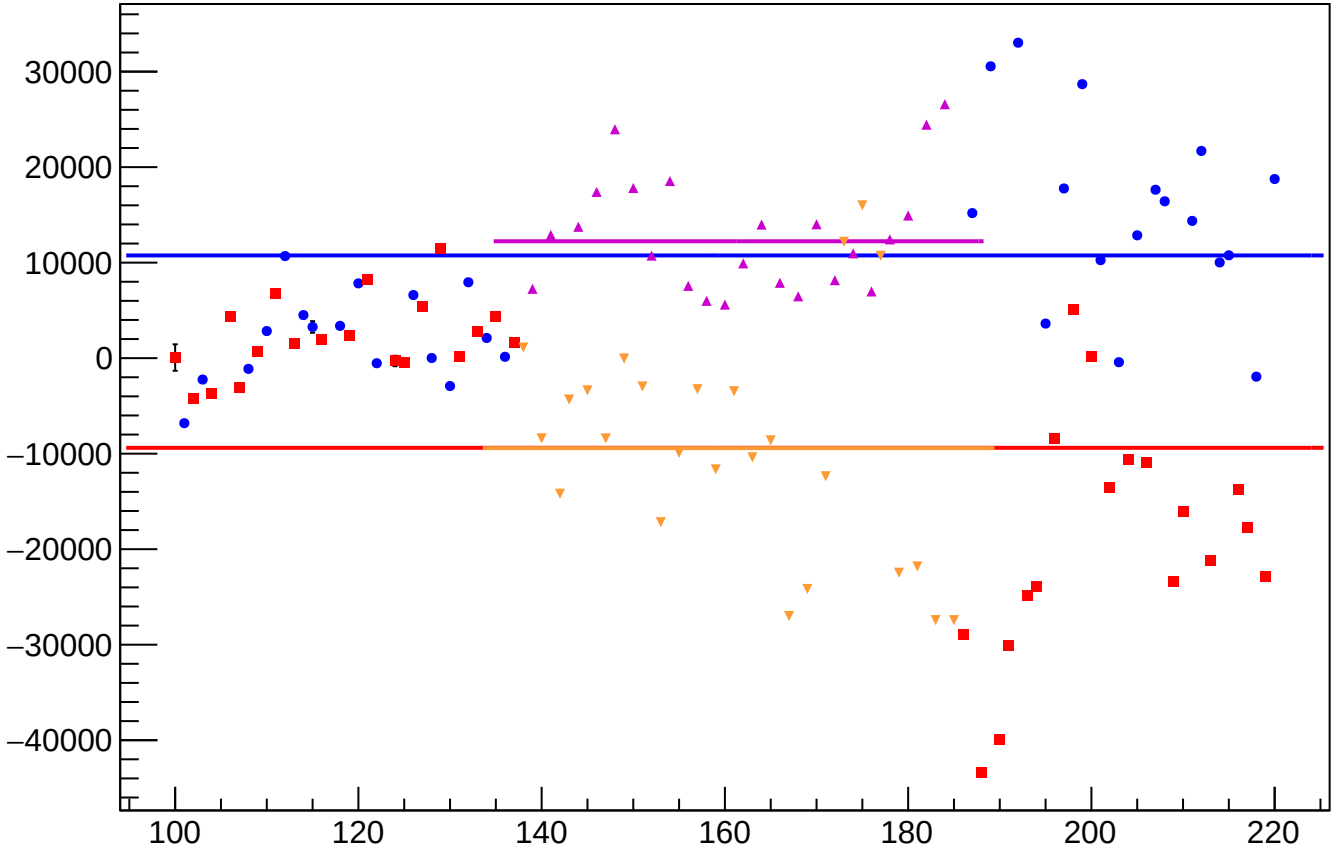
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 170.196+/-0.020 χ^2/NDF: 3615202.3/57

All: 169.444+/-0.014 χ^2/NDF: 7353848.1/117

- sign 168.690+/-0.020 χ^2/NDF: 3735684.8/59

asym_bpm0i02aWS_mean vs Slug



Right In: 10755.373+/-40.816 χ^2/NDF: 60448.7/32

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -9384.487+/-39.797 χ^2/NDF: 122918.9/36

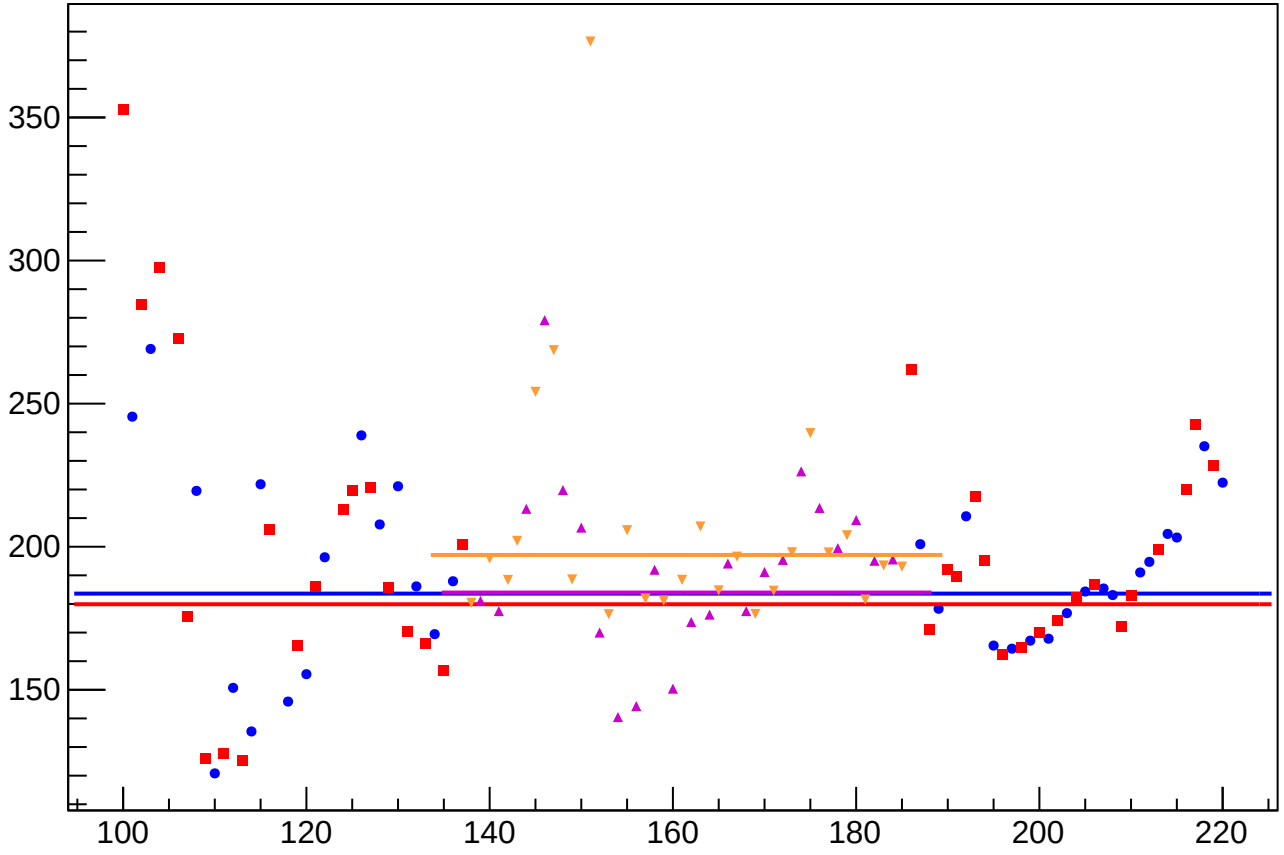
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign 1802.459+/-30.441 χ^2/NDF: 233592.3/57

All: 1028.498+/-21.212 χ^2/NDF: 505974.0/11

- sign 298.026+/-29.574 χ^2/NDF: 271125.2/59

asym_bpm0i02aWS_rms vs Slug



Right In: 183.618+/-0.029 χ^2/NDF: 978249.9/32

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 179.897+/-0.028 χ^2/NDF: 1497173.0/36

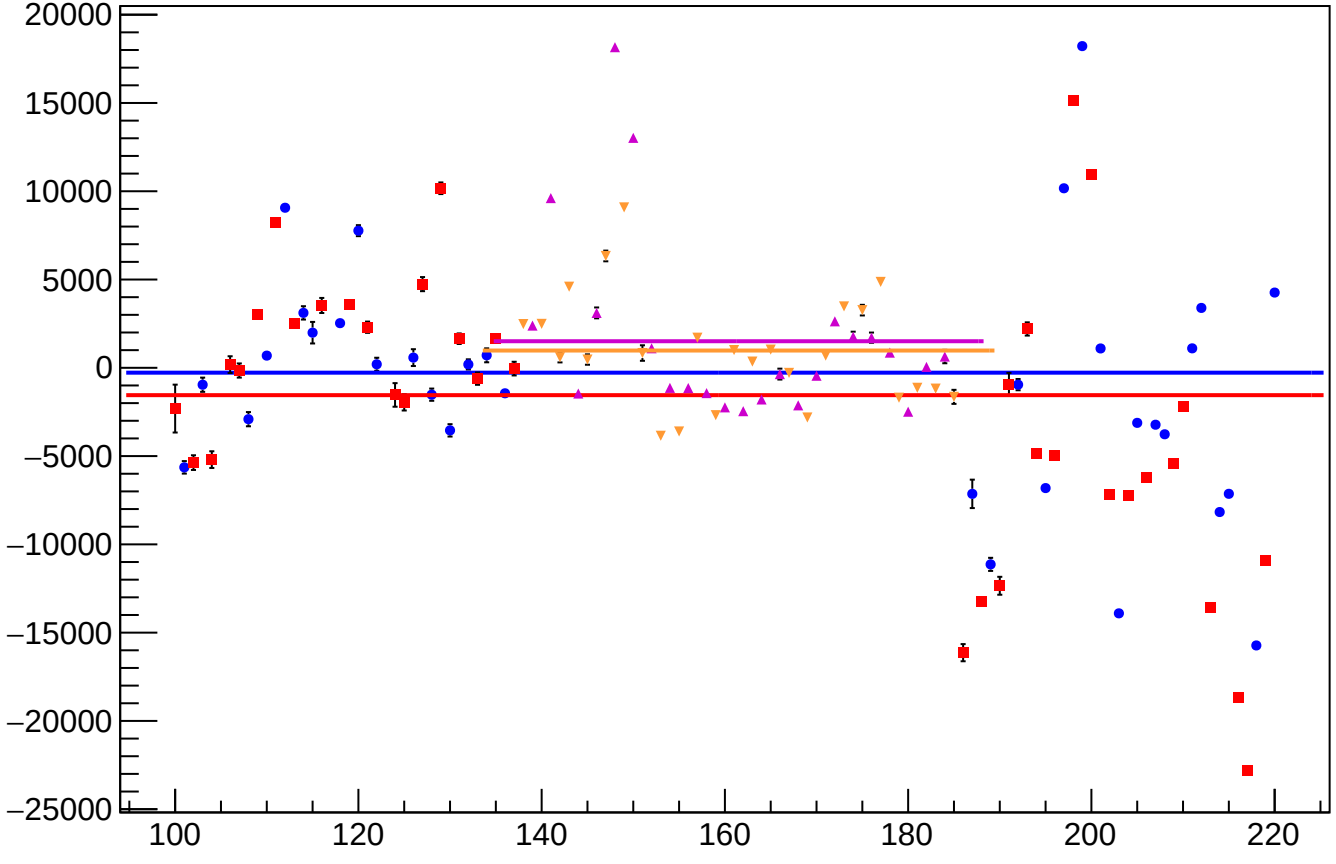
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 189.611+/-0.022 χ^2/NDF: 1807931.3/57

All: 185.555+/-0.015 χ^2/NDF: 4213326.1/117

- sign 181.728+/-0.021 χ^2/NDF: 2336402.0/59

asym_bpm0i05WS_mean vs Slug



Right In: -275.607+/-45.755 χ^2/NDF: 27293.0/32

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1549.058+/-44.720 χ^2/NDF: 36556.9/36

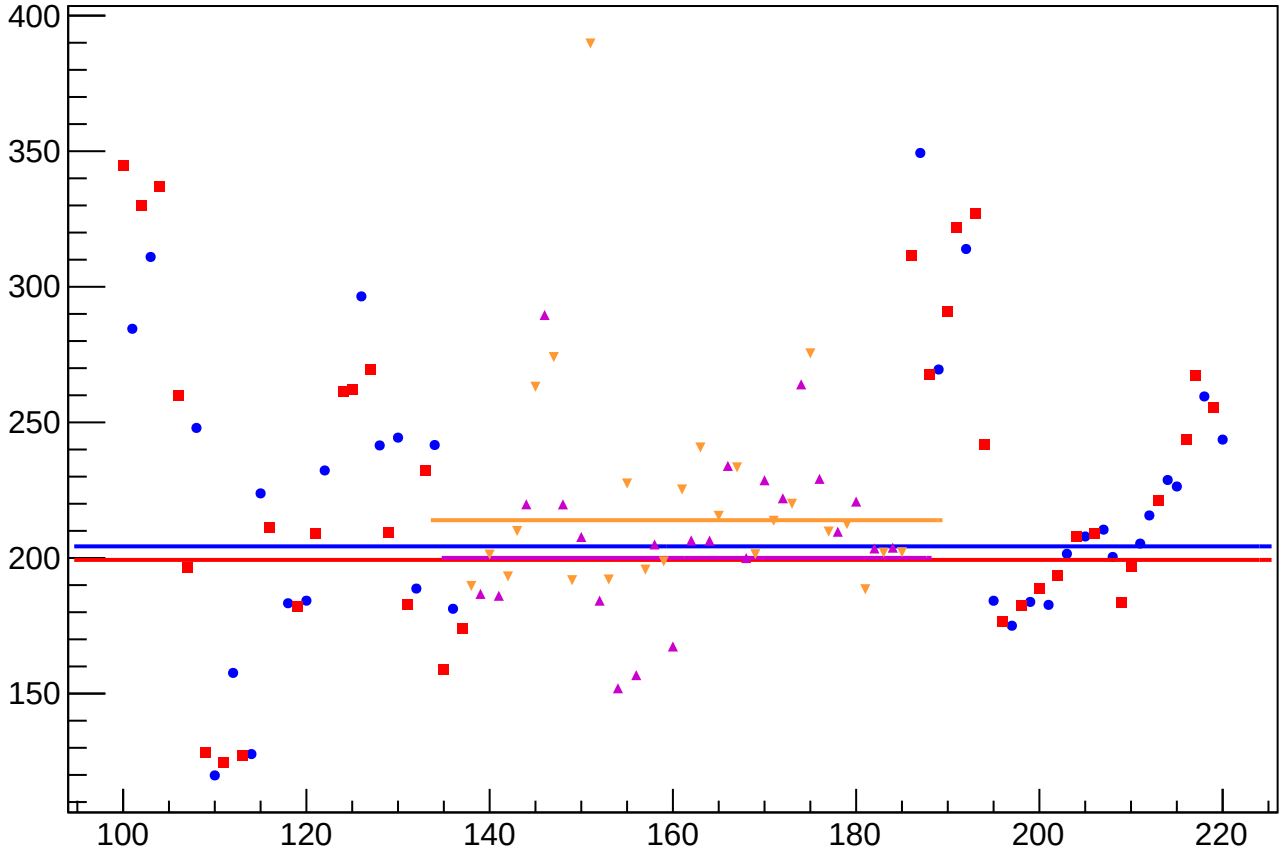
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 300.847+/-33.633 χ^2/NDF: 31961.2/57

All: 78.826+/-23.459 χ^2/NDF: 82248.4/117

- sign -131.506+/-32.736 χ^2/NDF: 50202.4/59

asym_bpm0i05WS_rms vs Slug



Right In: 204.287+/-0.032 χ^2/NDF: 1647342.2/32

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 199.290+/-0.032 χ^2/NDF: 2552523.4/36

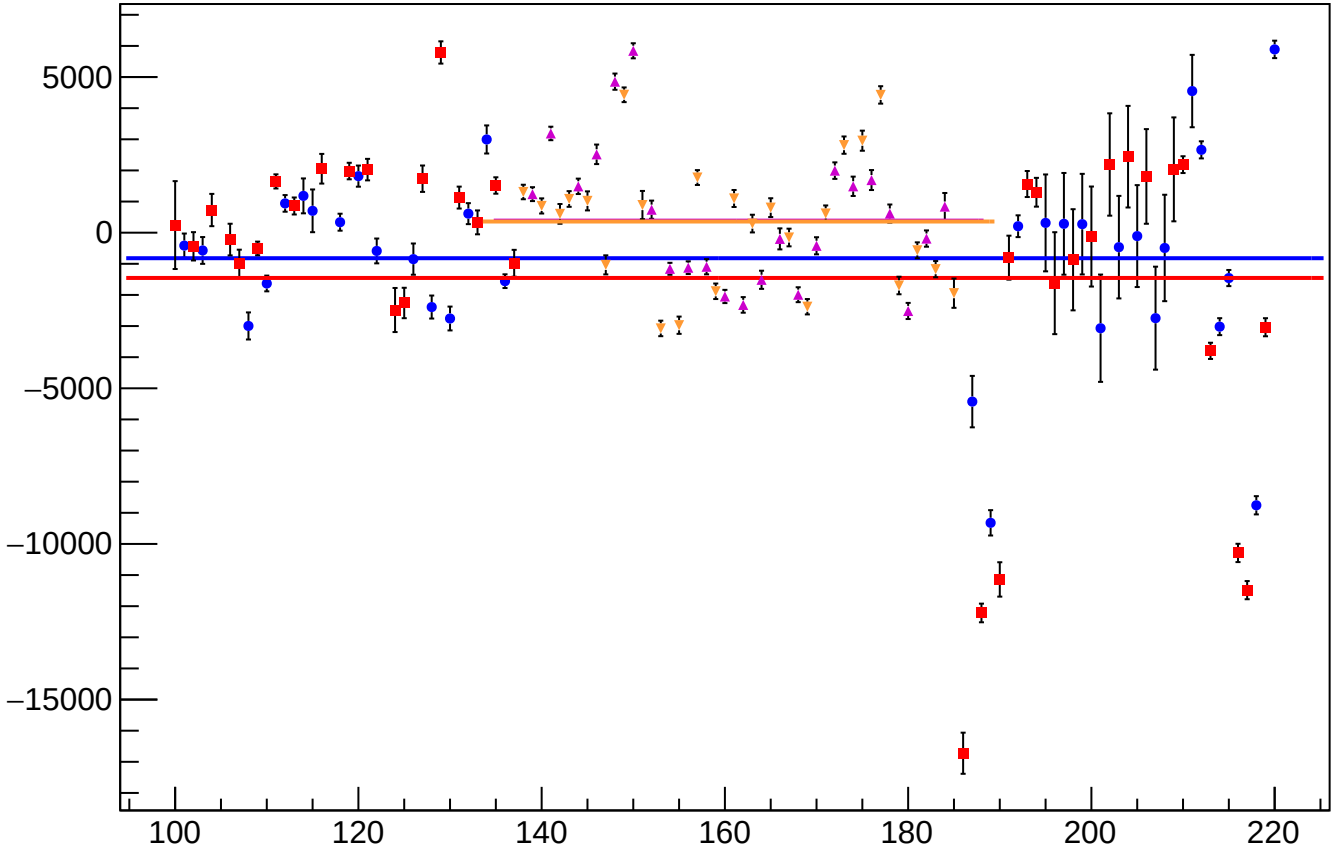
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 208.720+/-0.024 χ^2/NDF: 2421825.8/57

All: 204.054+/-0.017 χ^2/NDF: 5835093.2/117

- sign 199.634+/-0.023 χ^2/NDF: 3338303.6/59

asym_bpm0i07WS_mean vs Slug



Right In: -820.139+/-67.668 χ^2/NDF: 2360.9/32

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -1454.435+/-63.496 χ^2/NDF: 5922.8/36

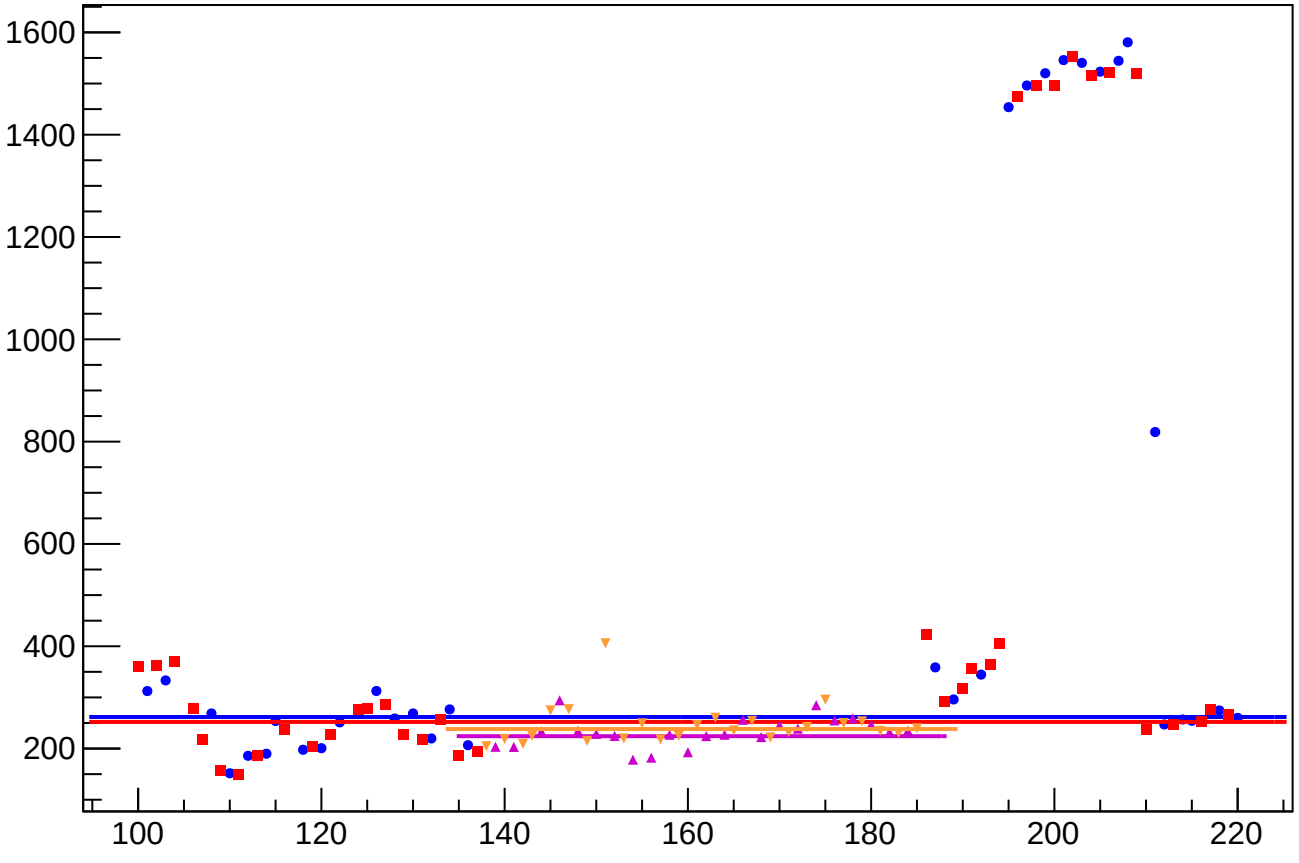
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -110.194+/-42.676 χ^2/NDF: 3962.6/57

All: -249.722+/-29.538 χ^2/NDF: 12201.6/117

- sign -378.039+/-40.926 χ^2/NDF: 8218.5/59

asym_bpm0i07WS_rms vs Slug



Right In: 261.696+/-0.048 χ^2/NDF: 11065154.4/32

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

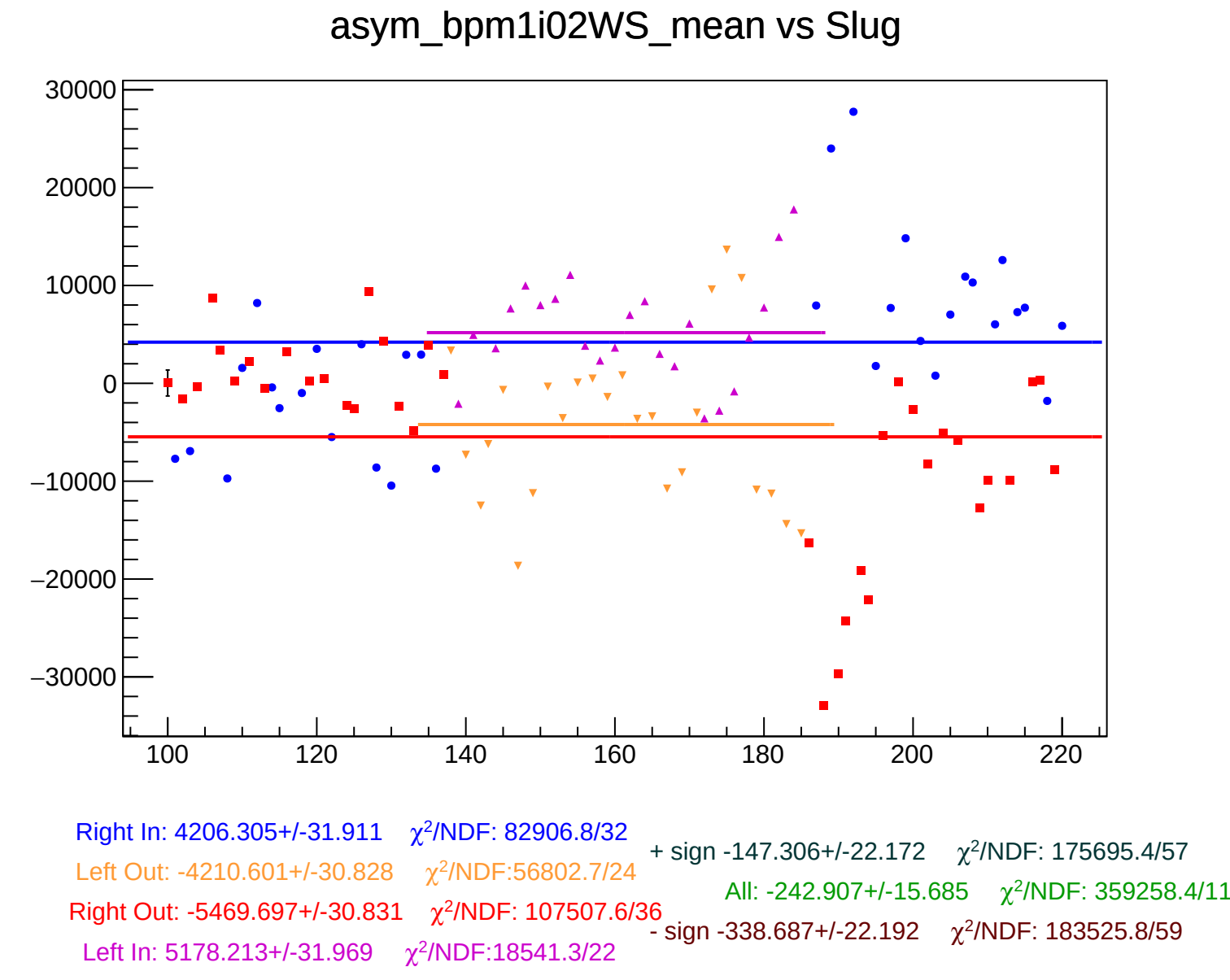
Right Out: 252.105+/-0.045 χ^2/NDF: 10550978.6/36

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

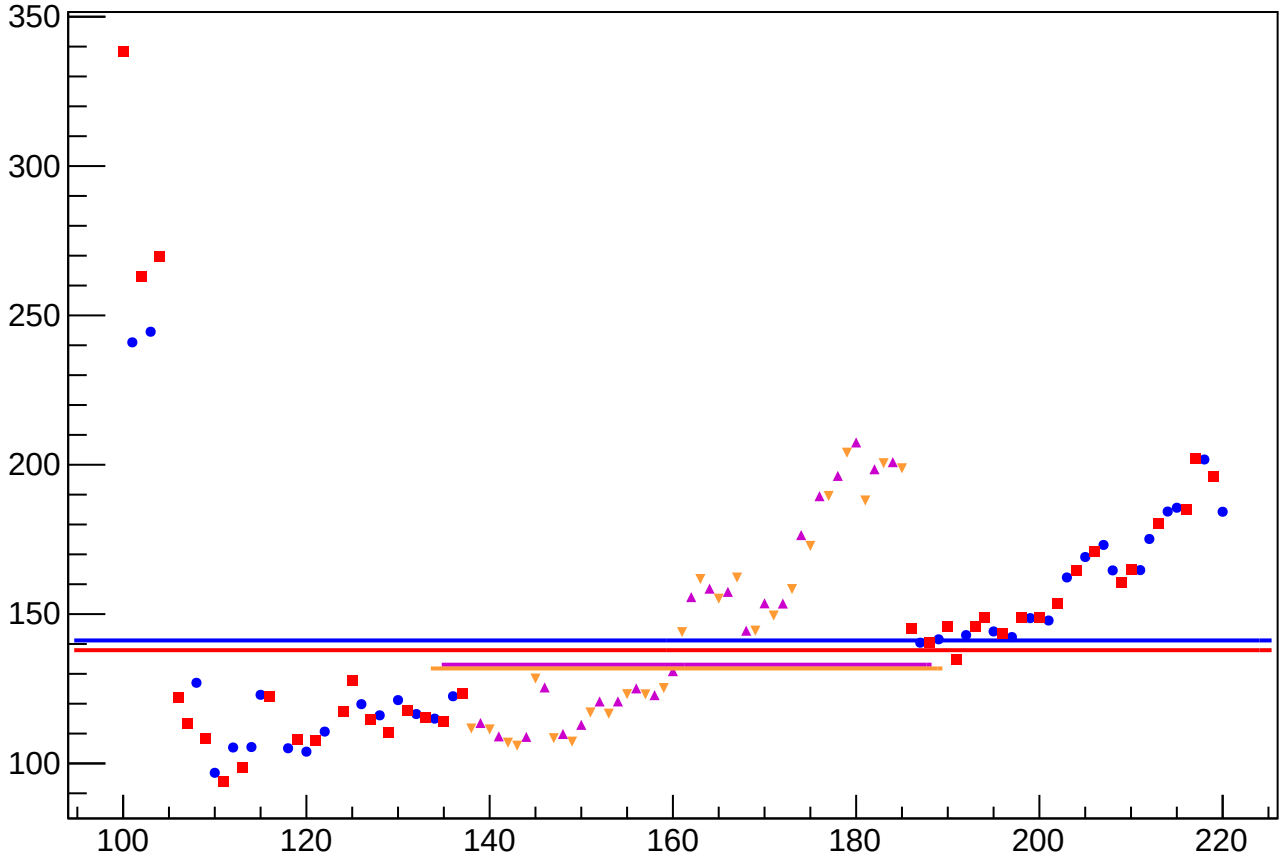
+ sign 247.545+/-0.030 χ^2/NDF: 11778320.2/57

All: 241.427+/-0.021 χ^2/NDF: 23197059.4/11

- sign 235.800+/-0.029 χ^2/NDF: 11339826.7/59


asym_bpm1i02WS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 4206.305+/-31.911 χ²/NDF: 82906.8/32
Left Out: -4210.601+/-30.828 χ²/NDF:56802.7/24
Right Out: -5469.697+/-30.831 χ²/NDF: 107507.6/36
Left In: 5178.213+/-31.969 χ²/NDF:18541.3/22
+ sign -147.306+/-22.172 χ²/NDF: 175695.4/57
All: -242.907+/-15.685 χ²/NDF: 359258.4/11
- sign -338.687+/-22.192 χ²/NDF: 183525.8/59

asym_bpm1i02WS_rms vs Slug



Right In: 141.180+/-0.023 χ^2/NDF: 1931054.2/32

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 137.919+/-0.022 χ^2/NDF: 2137321.3/36

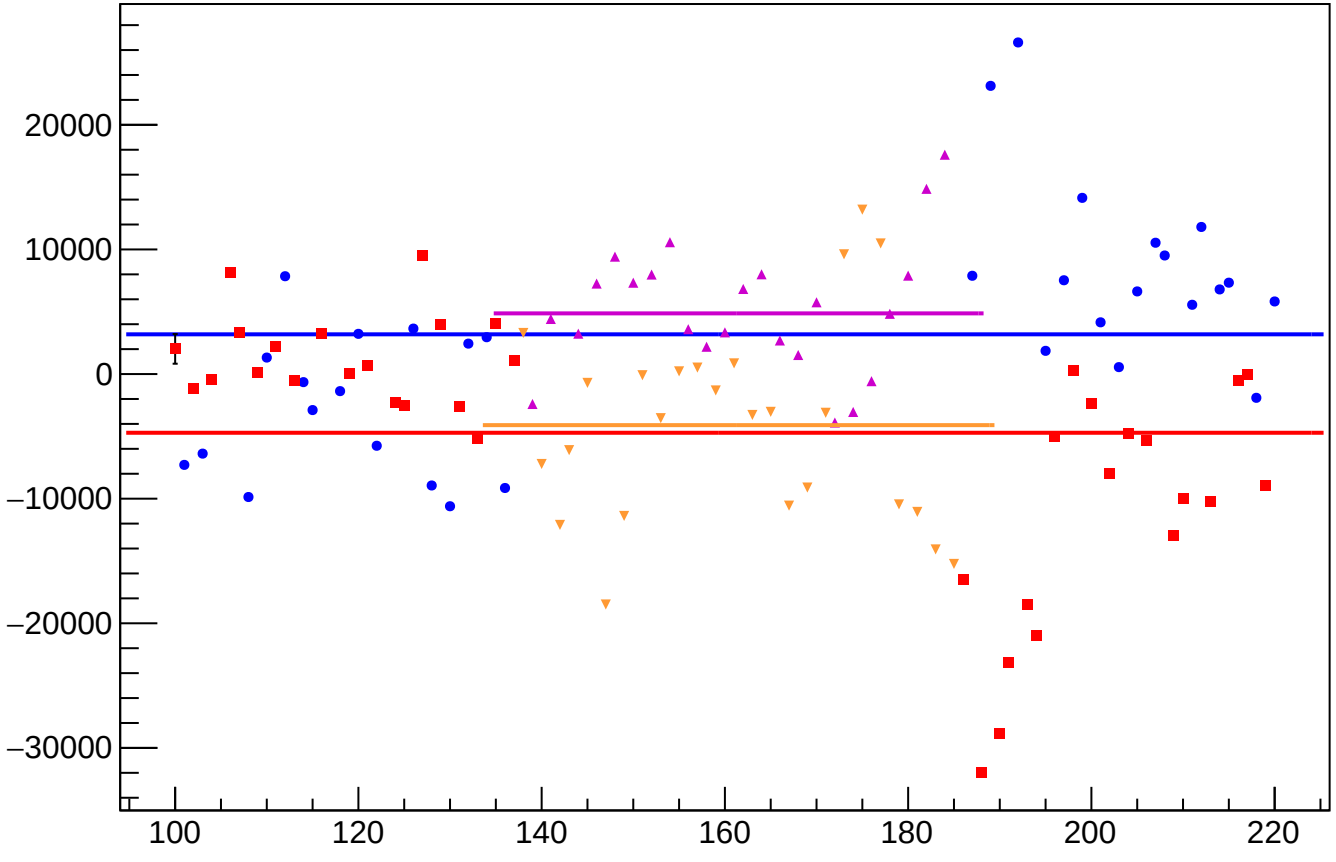
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 136.327+/-0.016 χ^2/NDF: 3564829.3/57

All: 135.953+/-0.011 χ^2/NDF: 7145467.9/117

- sign 135.578+/-0.016 χ^2/NDF: 3579498.8/59

asym_bpm2i01WS_mean vs Slug



Right In: 3188.703+/-29.442 χ^2/NDF: 91263.5/32

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4710.953+/-28.530 χ^2/NDF: 114400.1/36

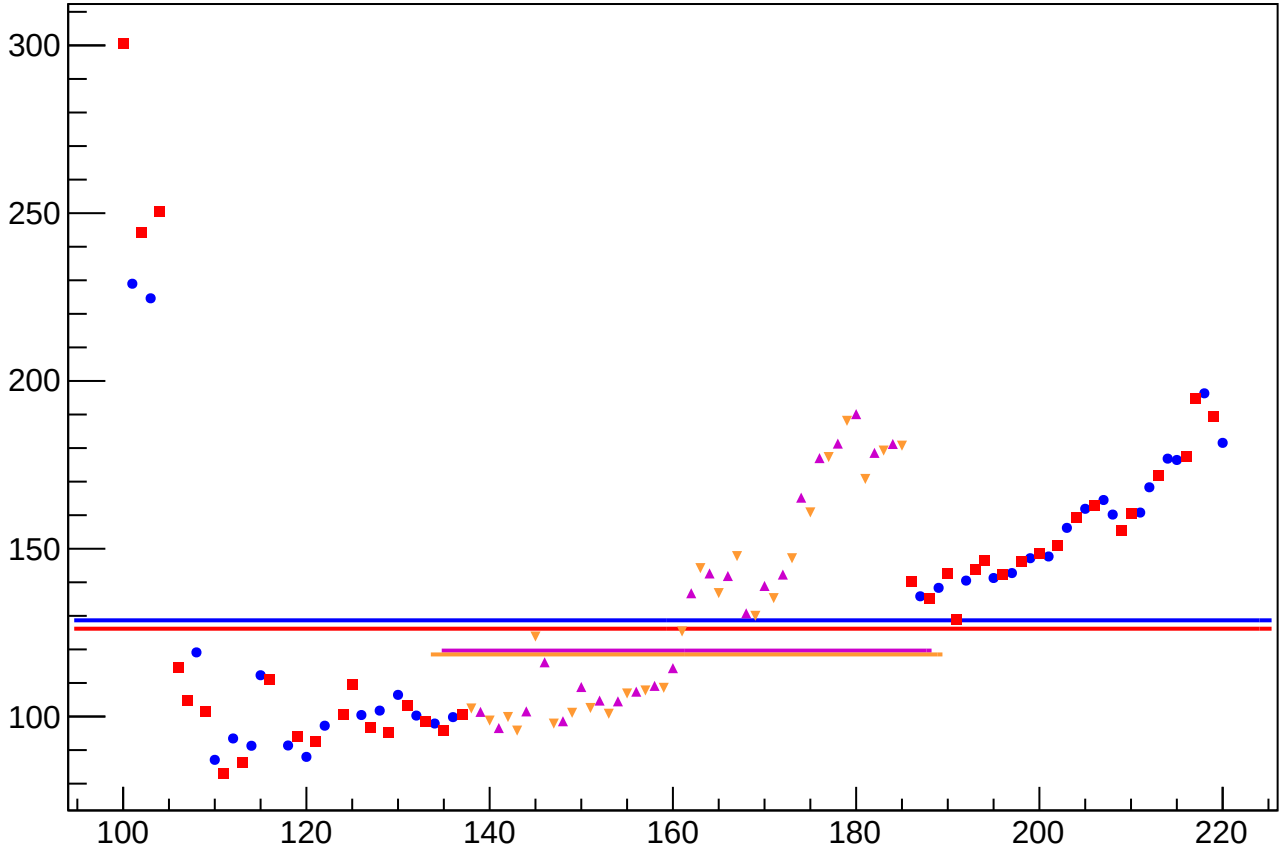
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

+ sign -667.692+/-20.202 χ^2/NDF: 189956.4/57

All: -318.673+/-14.310 χ^2/NDF: 382706.2/11

- sign 32.747+/-20.271 χ^2/NDF: 192150.7/59

asym_bpm2i01WS_rms vs Slug



Right In: 128.671+/-0.021 χ^2/NDF: 2796569.8/32

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 126.171+/-0.020 χ^2/NDF: 2940508.4/36

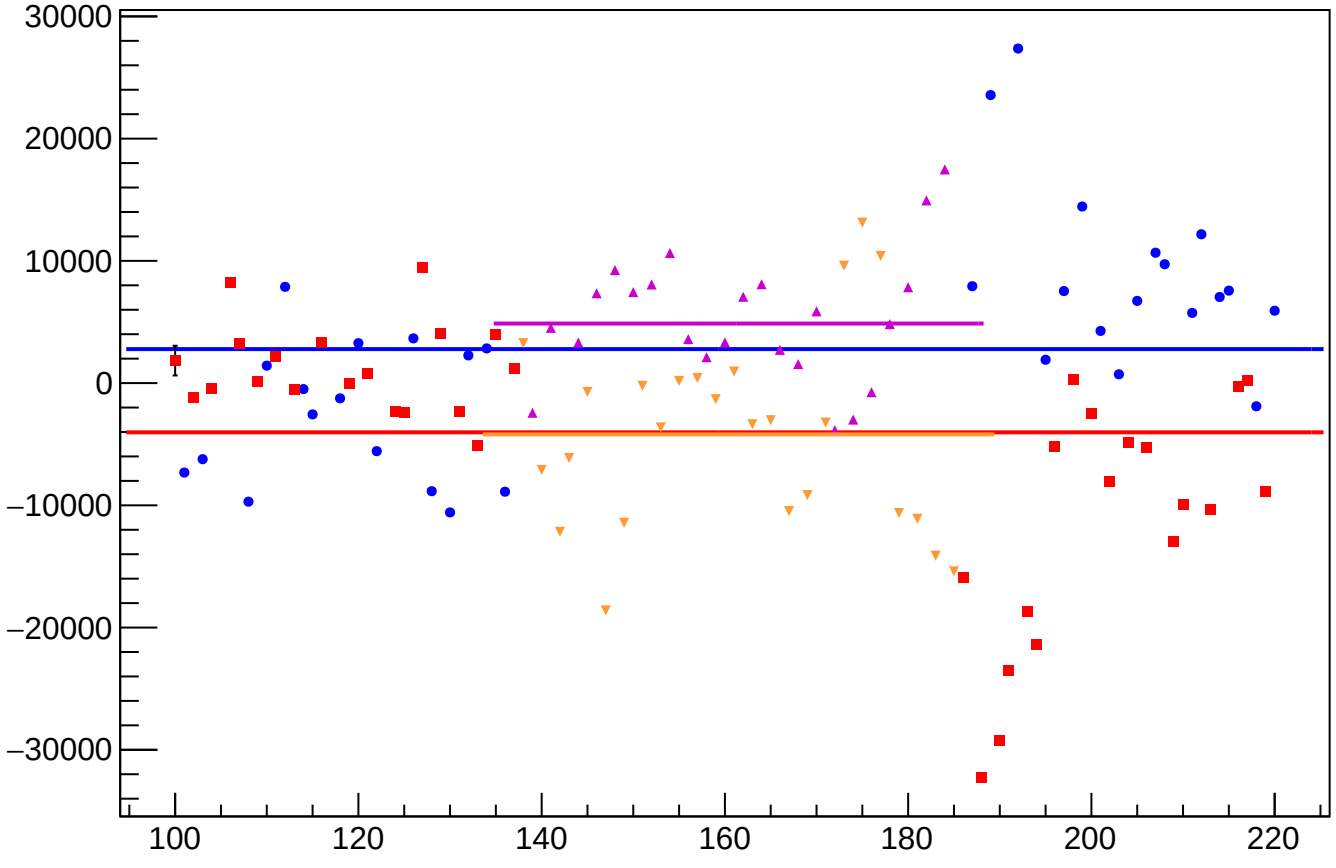
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 123.290+/-0.014 χ^2/NDF: 4549967.5/57

All: 123.115+/-0.010 χ^2/NDF: 9054969.1/117

- sign 122.940+/-0.014 χ^2/NDF: 4504702.4/59

asym_bpm2i02WS_mean vs Slug



Right In: 2781.502+/-29.434 χ^2/NDF: 90467.1/32

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -4027.401+/-28.468 χ^2/NDF: 107978.9/36

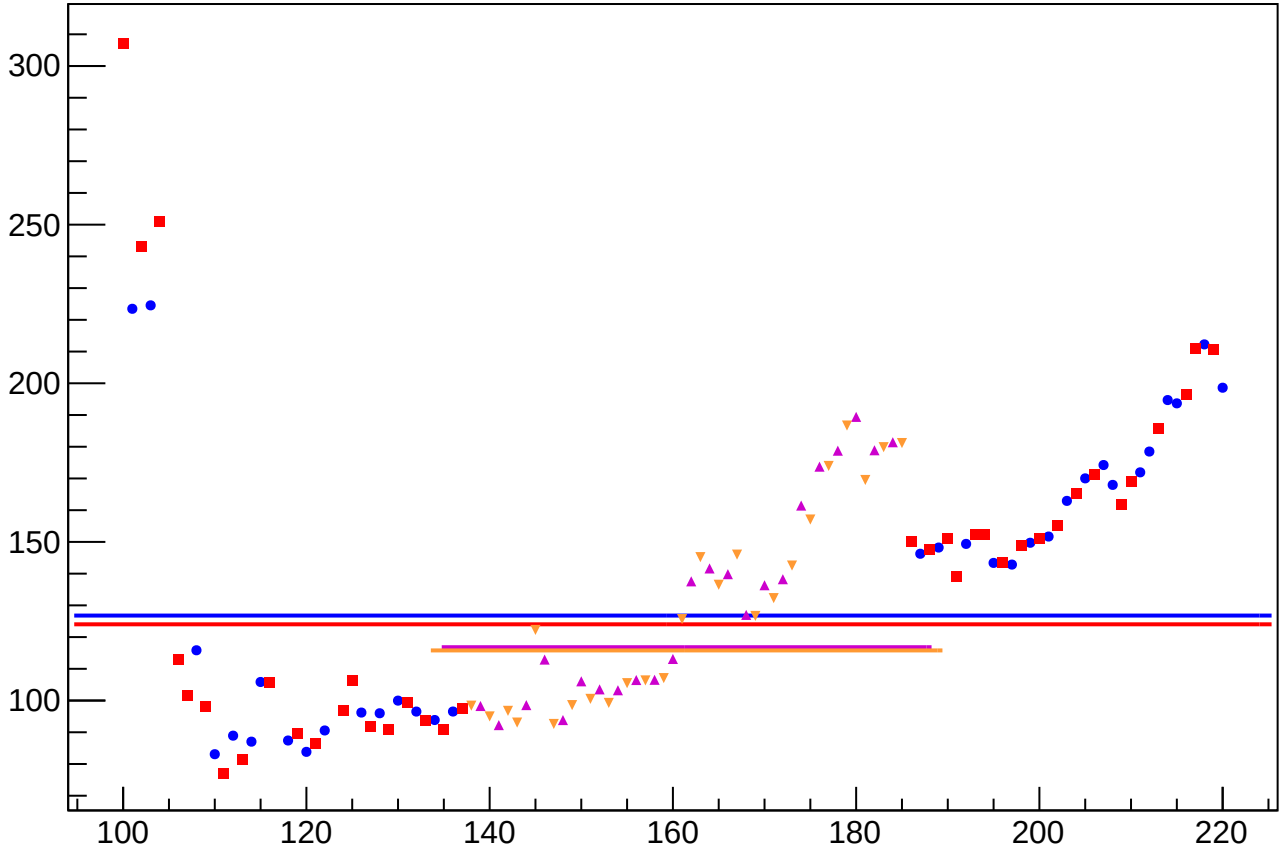
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

+ sign -981.487+/-19.981 χ^2/NDF: 191194.5/57

All: -260.233+/-14.148 χ^2/NDF: 374047.0/11

- sign 464.914+/-20.035 χ^2/NDF: 180239.4/59

asym_bpm2i02WS_rms vs Slug



Right In: 126.784+/-0.021 χ^2/NDF: 3786300.5/32

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 124.028+/-0.020 χ^2/NDF: 3999399.8/36

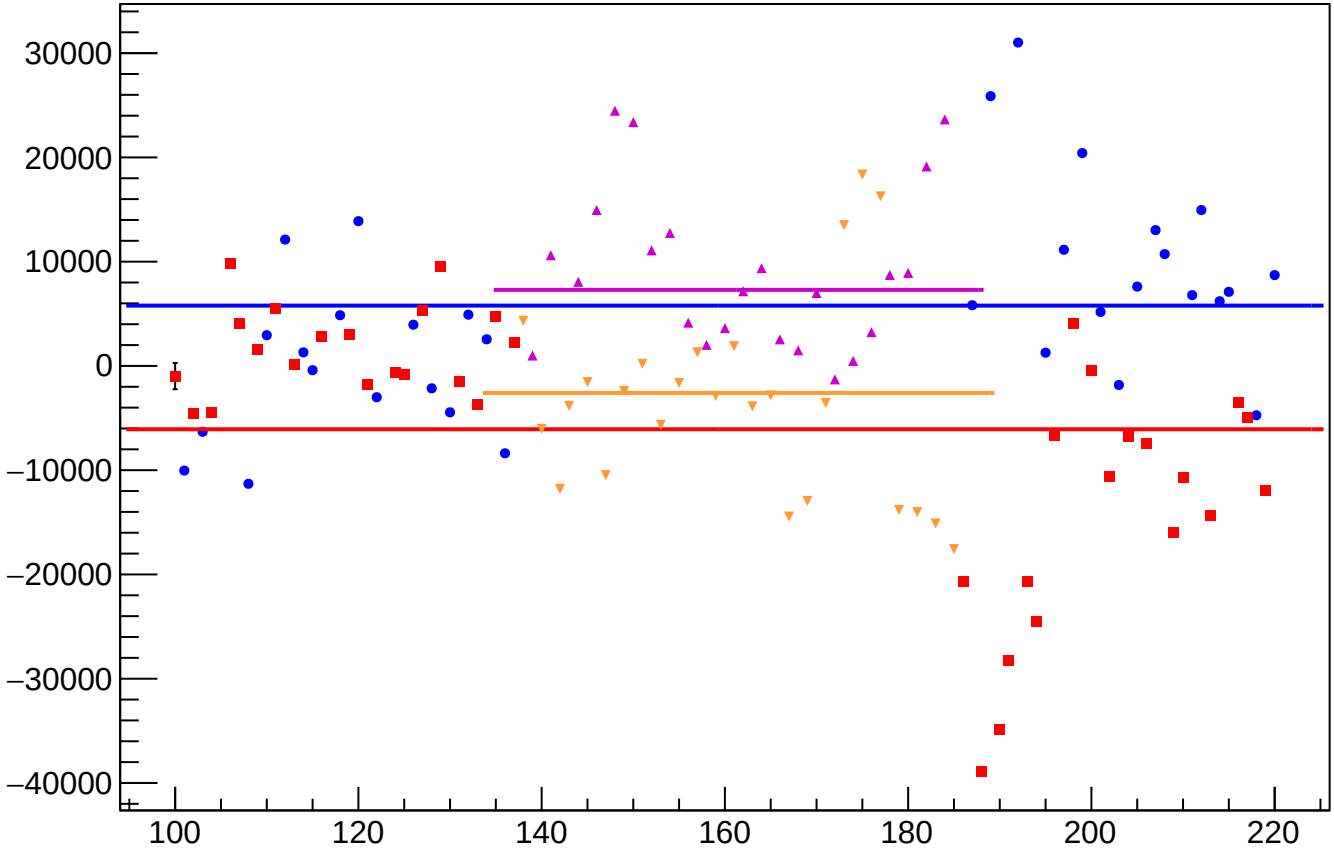
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 120.860+/-0.014 χ^2/NDF: 5685555.1/57

All: 120.623+/-0.010 χ^2/NDF: 11368086.8/11

- sign 120.384+/-0.014 χ^2/NDF: 5681964.7/59

asym_bpm0i01WS_mean vs Slug



Right In: 5784.808+/-38.252 χ^2/NDF: 67753.8/32

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -6074.216+/-37.271 χ^2/NDF: 102112.8/36

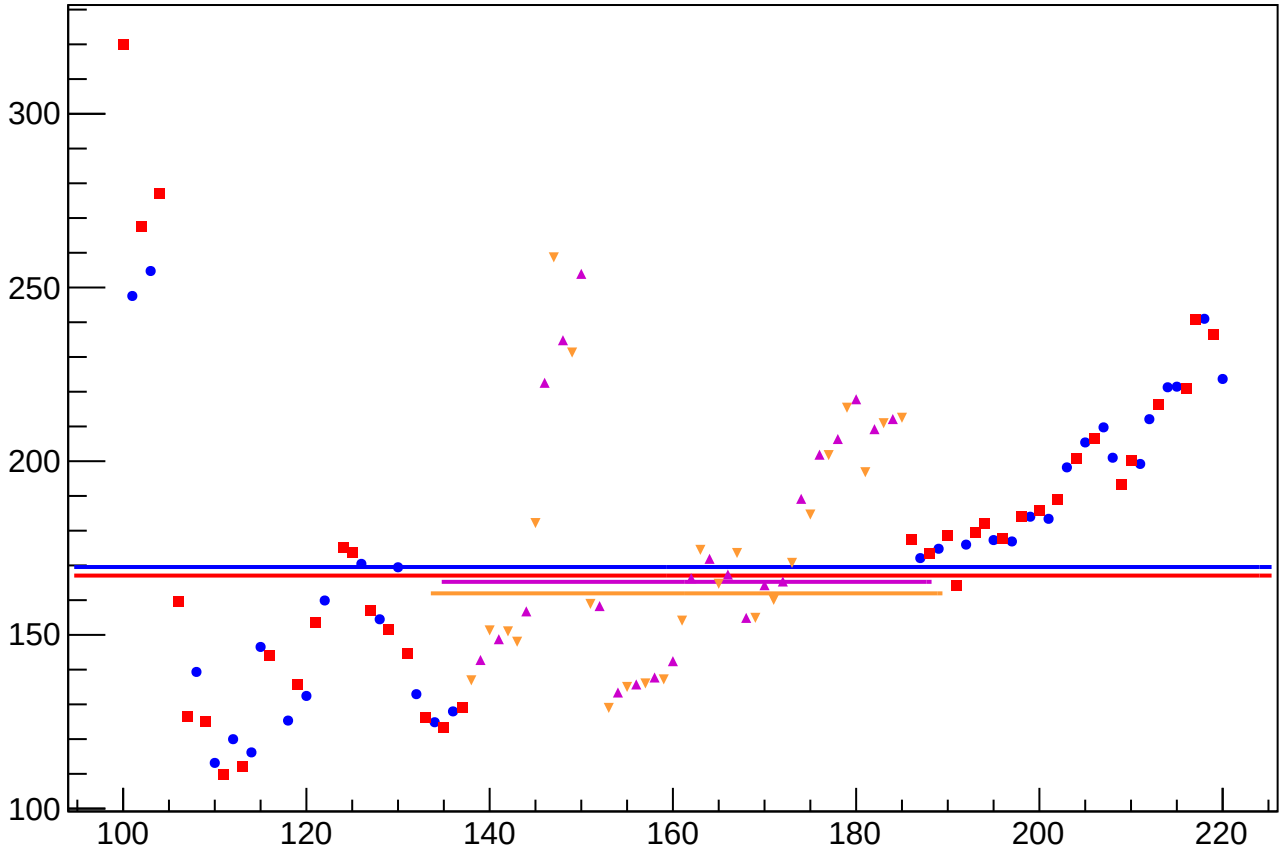
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign 1529.507+/-26.831 χ^2/NDF: 140107.7/57

All: 877.297+/-19.078 χ^2/NDF: 328648.8/117

- sign 210.315+/-27.133 χ^2/NDF: 187346.0/59

asym_bpm0i01WS_rms vs Slug



Right In: 169.539+/-0.027 χ^2/NDF: 2009161.4/32

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

Right Out: 167.075+/-0.026 χ^2/NDF: 2122129.3/36

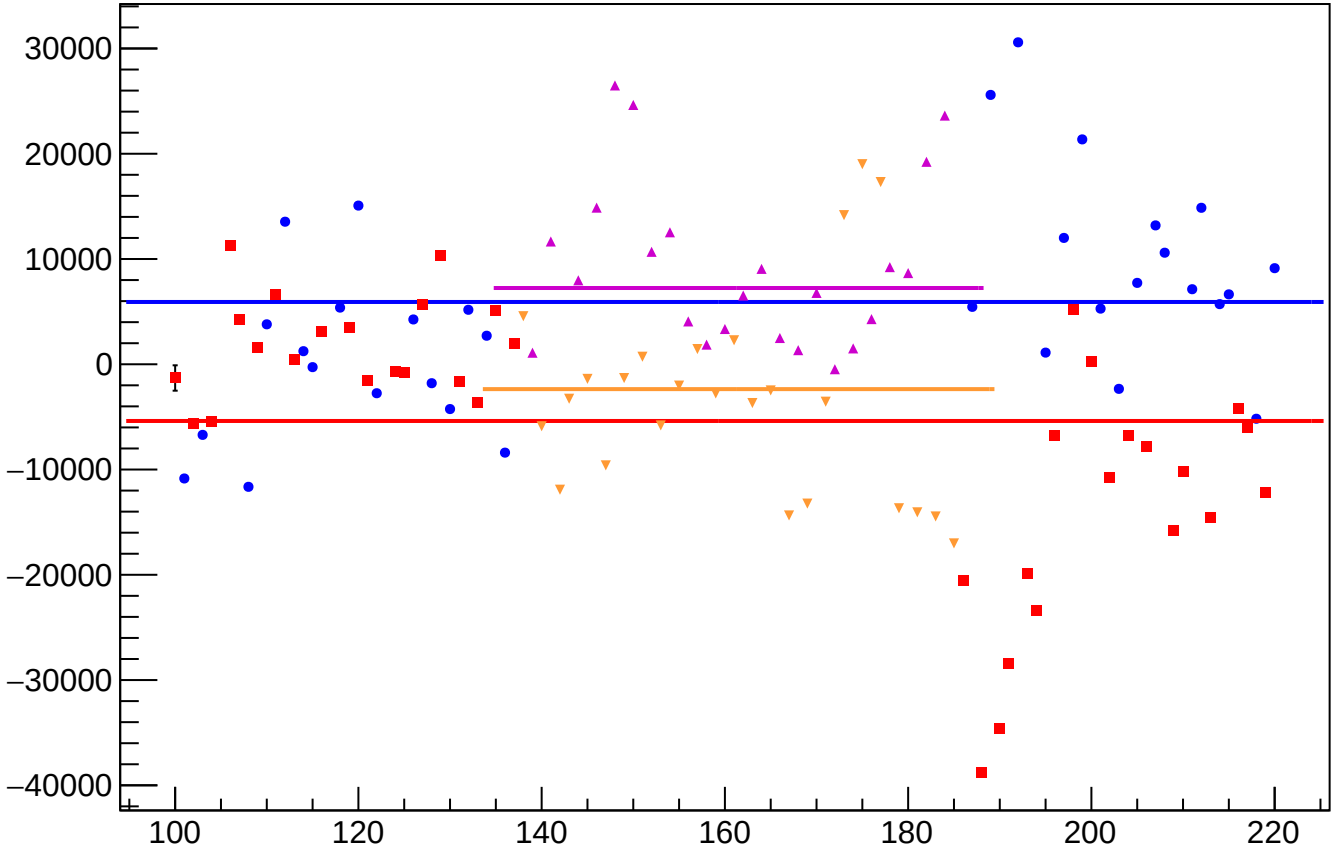
Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 165.687+/-0.019 χ^2/NDF: 3193891.3/57

All: 165.954+/-0.013 χ^2/NDF: 6497710.1/117

- sign 166.228+/-0.019 χ^2/NDF: 3303417.8/59

asym_bpm0i01aWS_mean vs Slug



Right In: 5918.479+/-32.693 χ^2/NDF: 94211.4/32

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -5386.988+/-31.655 χ^2/NDF: 142463.5/36

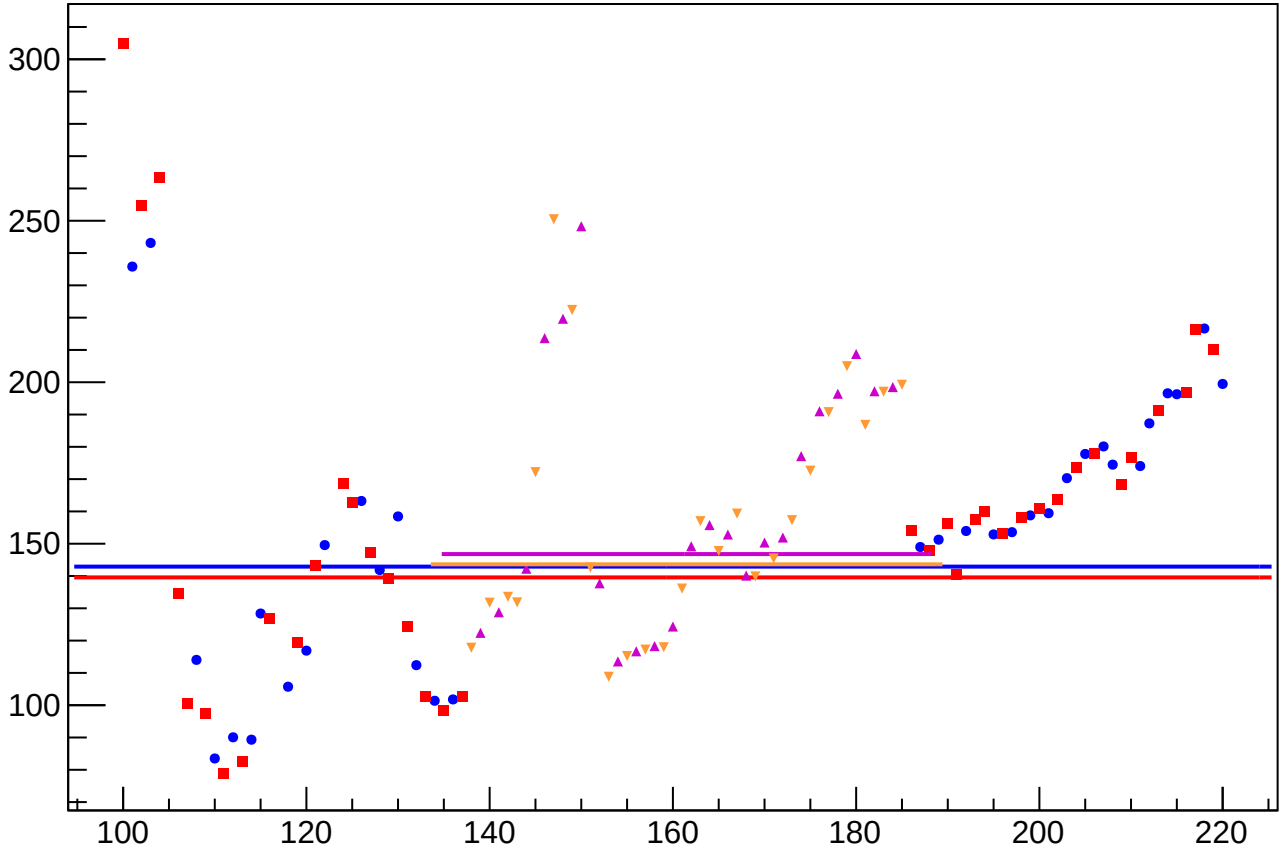
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 1901.977+/-23.459 χ^2/NDF: 183889.9/57

All: 1060.507+/-16.648 χ^2/NDF: 429907.7/11

- sign 206.802+/-23.629 χ^2/NDF: 243425.8/59

asym_bpm0i01aWS_rms vs Slug



Right In: 142.909+/-0.023 χ^2/NDF: 2904568.1/32

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 139.569+/-0.022 χ^2/NDF: 3218417.0/36

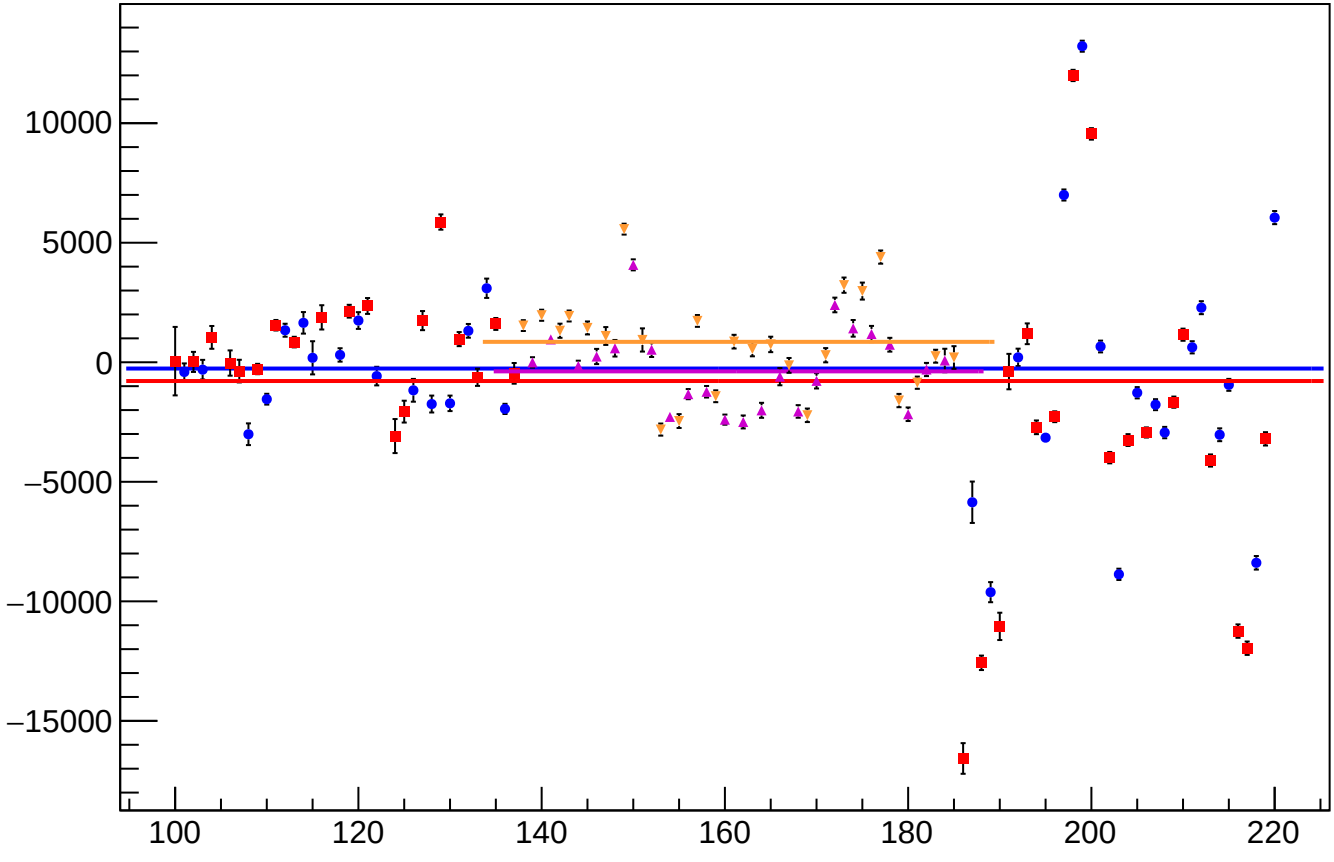
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 143.255+/-0.017 χ^2/NDF: 4567855.7/57

All: 143.013+/-0.012 χ^2/NDF: 9527359.6/117

- sign 142.768+/-0.017 χ^2/NDF: 4959076.2/59

asym_bpm0l01WS_mean vs Slug



Right In: -262.481+/-50.255 χ^2/NDF: 8561.6/32

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: -784.528+/-49.658 χ^2/NDF: 12071.3/36

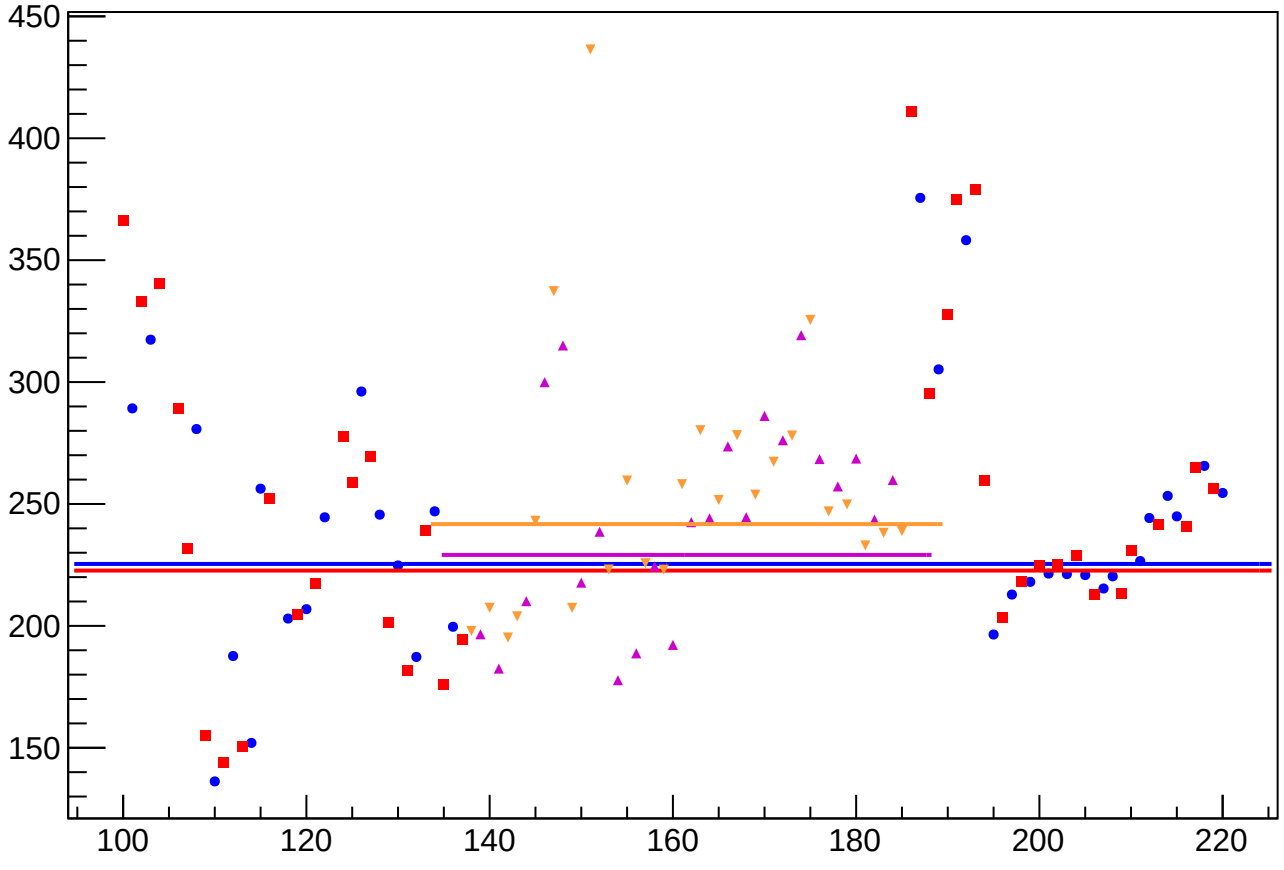
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 233.210+/-37.473 χ^2/NDF: 10224.5/57

All: -191.724+/-26.292 χ^2/NDF: 23561.1/117

- sign -603.736+/-36.899 χ^2/NDF: 13083.3/59

asym_bpm0l01WS_rms vs Slug



Right In: 225.402+/-0.036 χ^2/NDF: 1300232.3/32

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 222.684+/-0.035 χ^2/NDF: 2022289.9/36

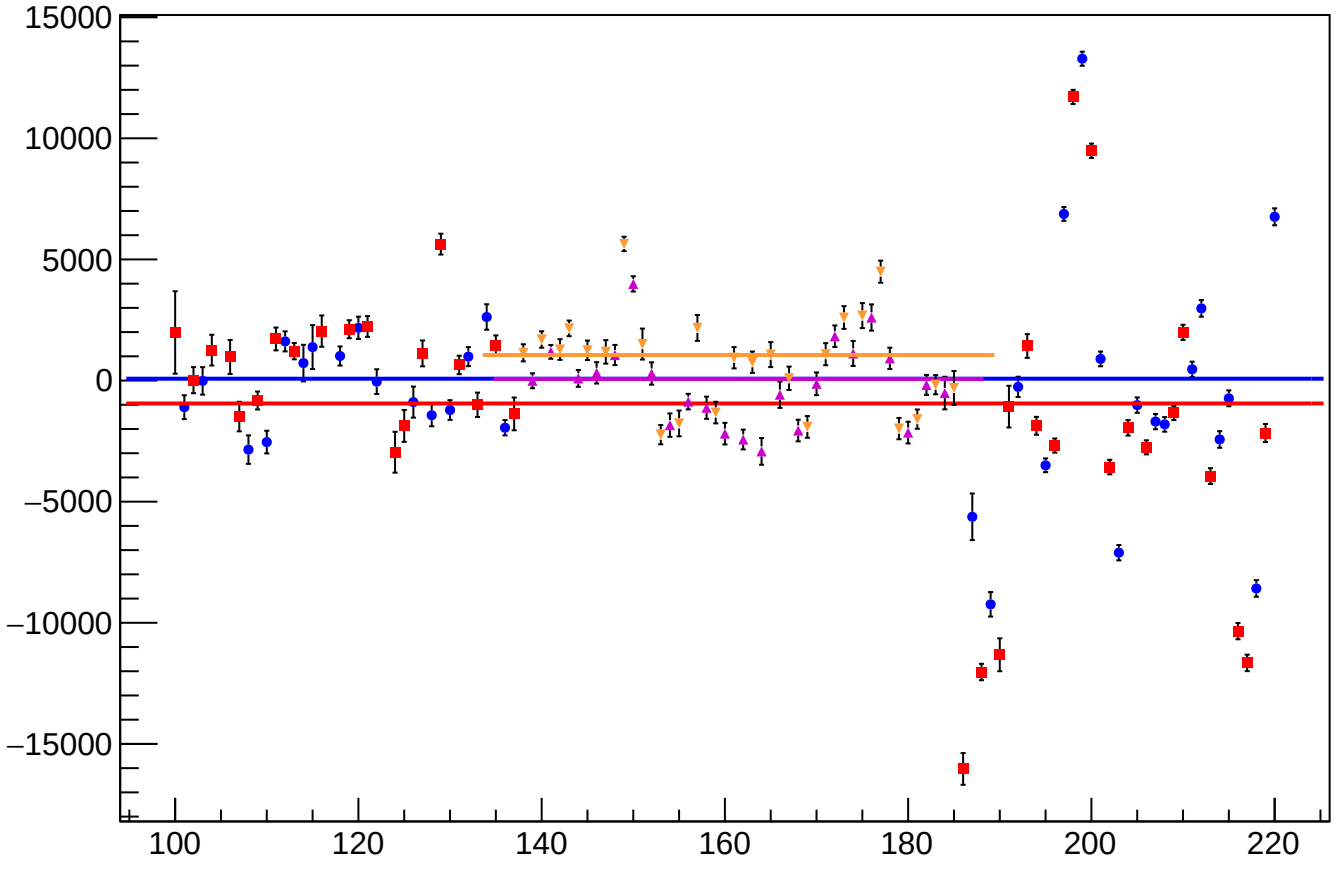
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 232.659+/-0.026 χ^2/NDF: 2380545.0/57

All: 229.054+/-0.019 χ^2/NDF: 5523213.6/117

- sign 225.559+/-0.026 χ^2/NDF: 3106218.2/59

asym_bpm0l02WS_mean vs Slug



Right In: 75.918+/-66.810 χ^2/NDF: 5105.8/32

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: -946.621+/-66.286 χ^2/NDF: 7635.2/36

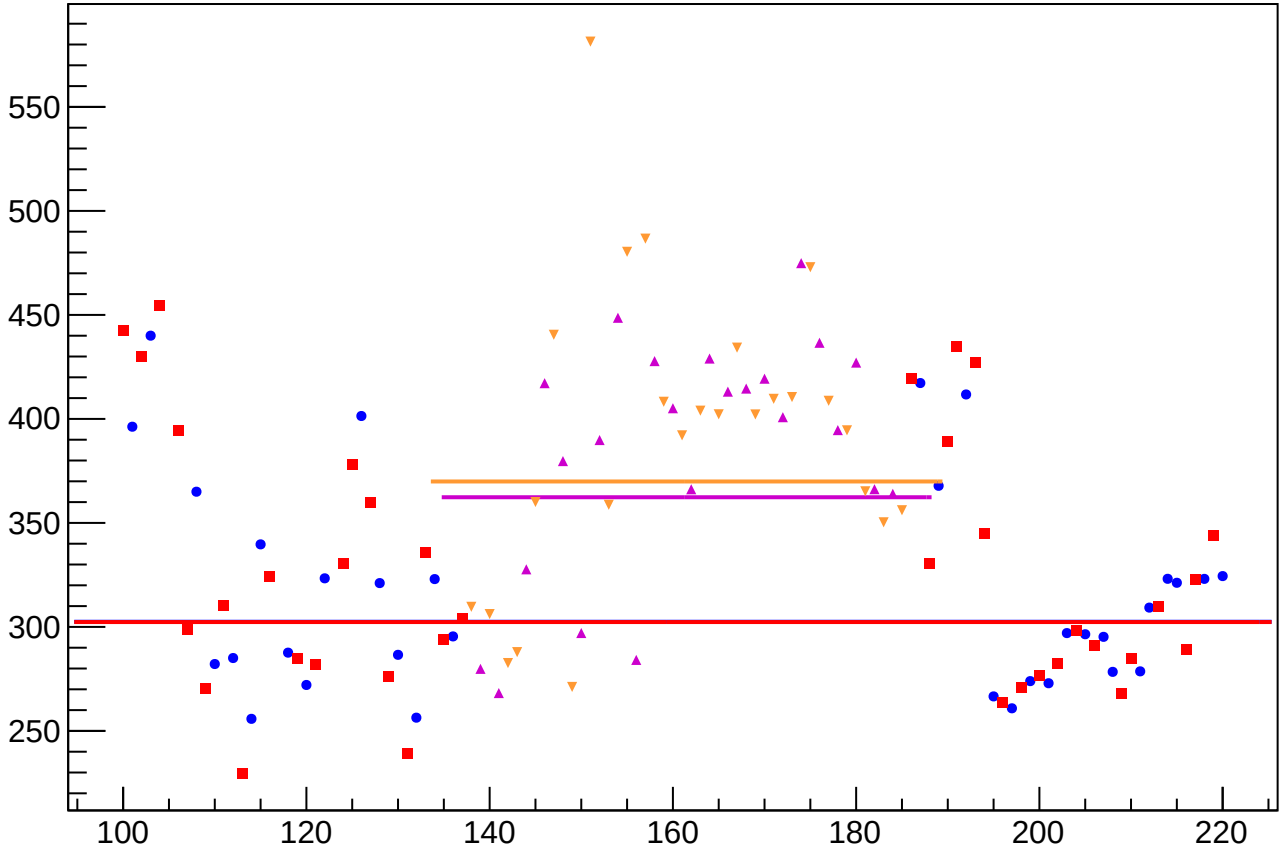
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

+ sign 444.353+/-52.736 χ^2/NDF: 5801.1/57

All: -65.329+/-37.259 χ^2/NDF: 14103.2/117

- sign -573.349+/-52.650 χ^2/NDF: 8115.6/59

asym_bpm0l02WS_rms vs Slug



Right In: 302.476+/-0.047 χ^2/NDF: 698907.8/32

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

Right Out: 302.340+/-0.047 χ^2/NDF: 990558.4/36

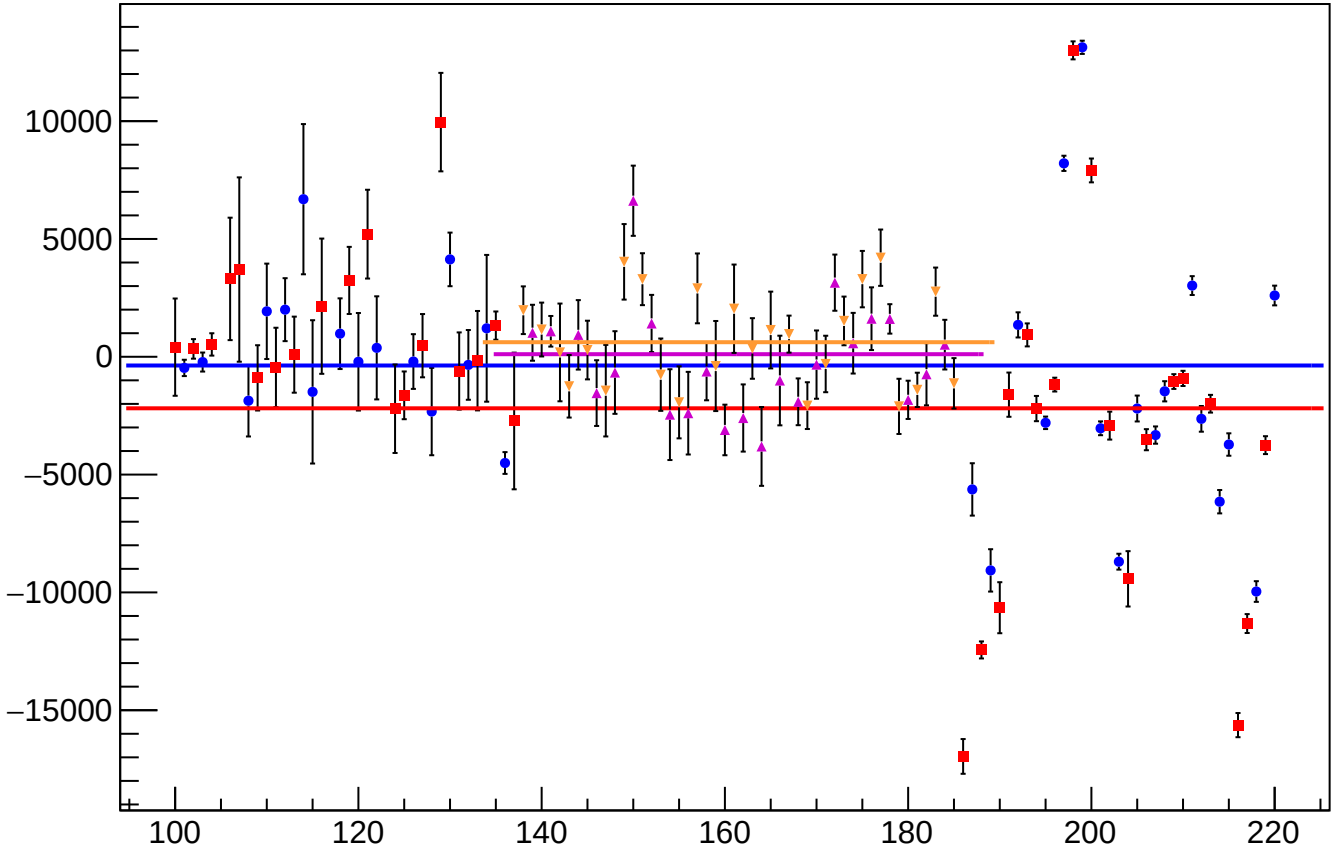
Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 327.900+/-0.037 χ^2/NDF: 2697539.8/57

All: 326.191+/-0.026 χ^2/NDF: 5350571.5/117

- sign 324.487+/-0.037 χ^2/NDF: 2648836.5/59

asym_bpm0l03WS_mean vs Slug



Right In: -370.402+/-87.191 χ^2/NDF: 4911.7/32

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -2186.943+/-94.357 χ^2/NDF: 4786.9/36

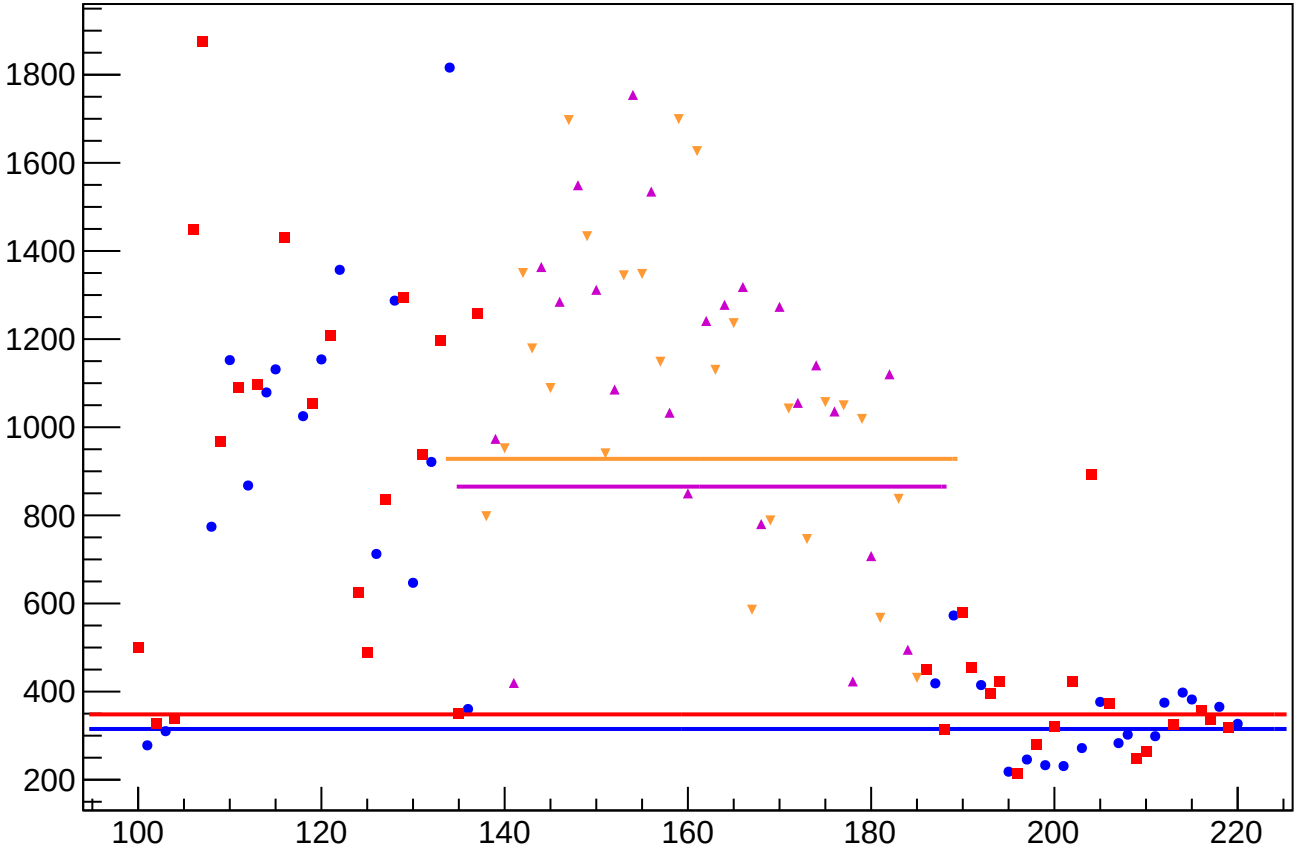
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign -253.512+/-81.876 χ^2/NDF: 4992.7/57

All: -1008.397+/-59.850 χ^2/NDF: 10114.4/11

- sign -1874.625+/-87.706 χ^2/NDF: 4939.1/59

asym_bpm0l03WS_rms vs Slug



Right In: 315.204+/-0.062 χ^2/NDF: 5324383.2/32

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 348.313+/-0.067 χ^2/NDF: 6177072.5/36

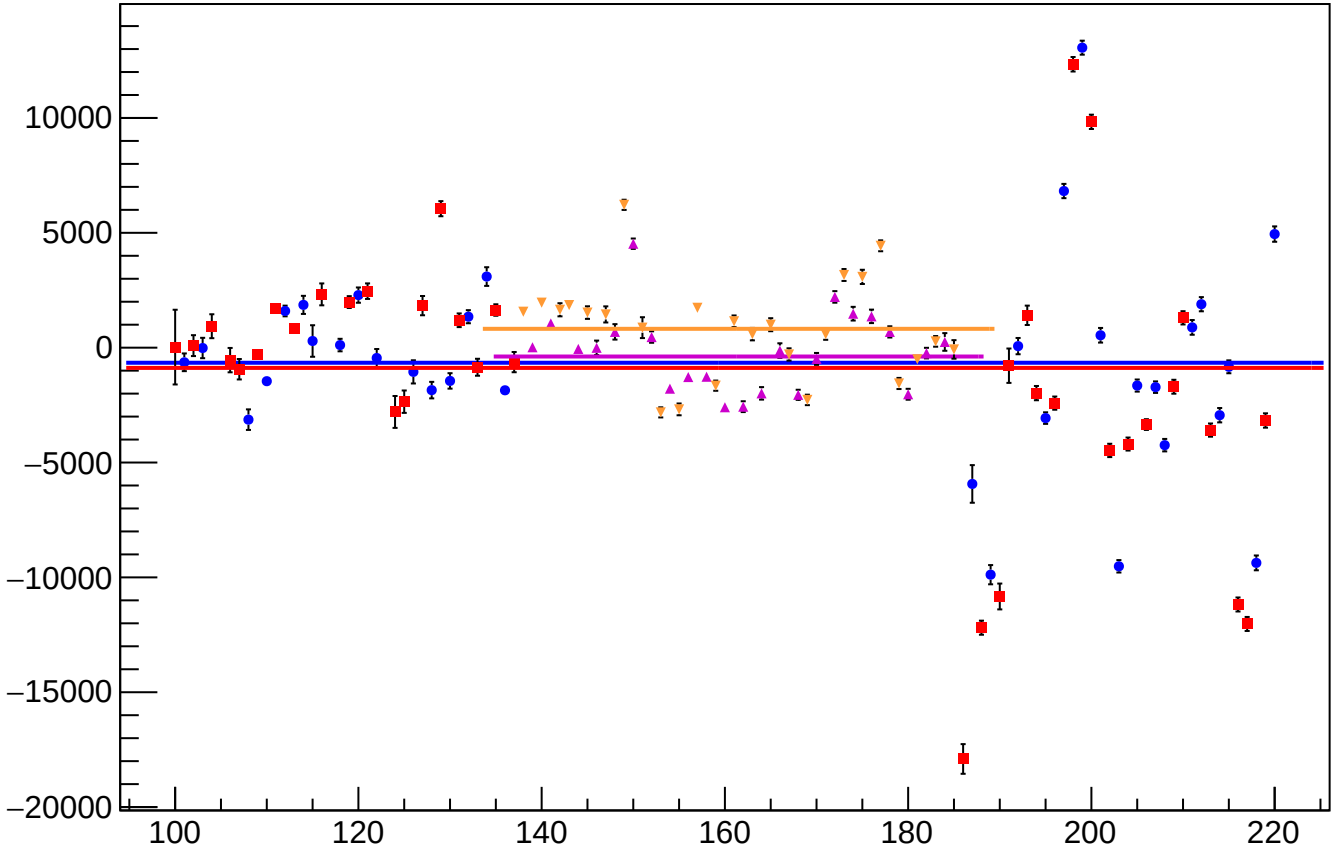
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 387.663+/-0.058 χ^2/NDF: 20305264.0/57

All: 402.075+/-0.042 χ^2/NDF: 39571090.5/11

- sign 418.613+/-0.062 χ^2/NDF: 19132749.7/59

asym_bpm0l04WS_mean vs Slug



Right In: -656.515+/-54.408 χ^2/NDF: 6128.5/32

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: -880.683+/-52.477 χ^2/NDF: 9659.9/36

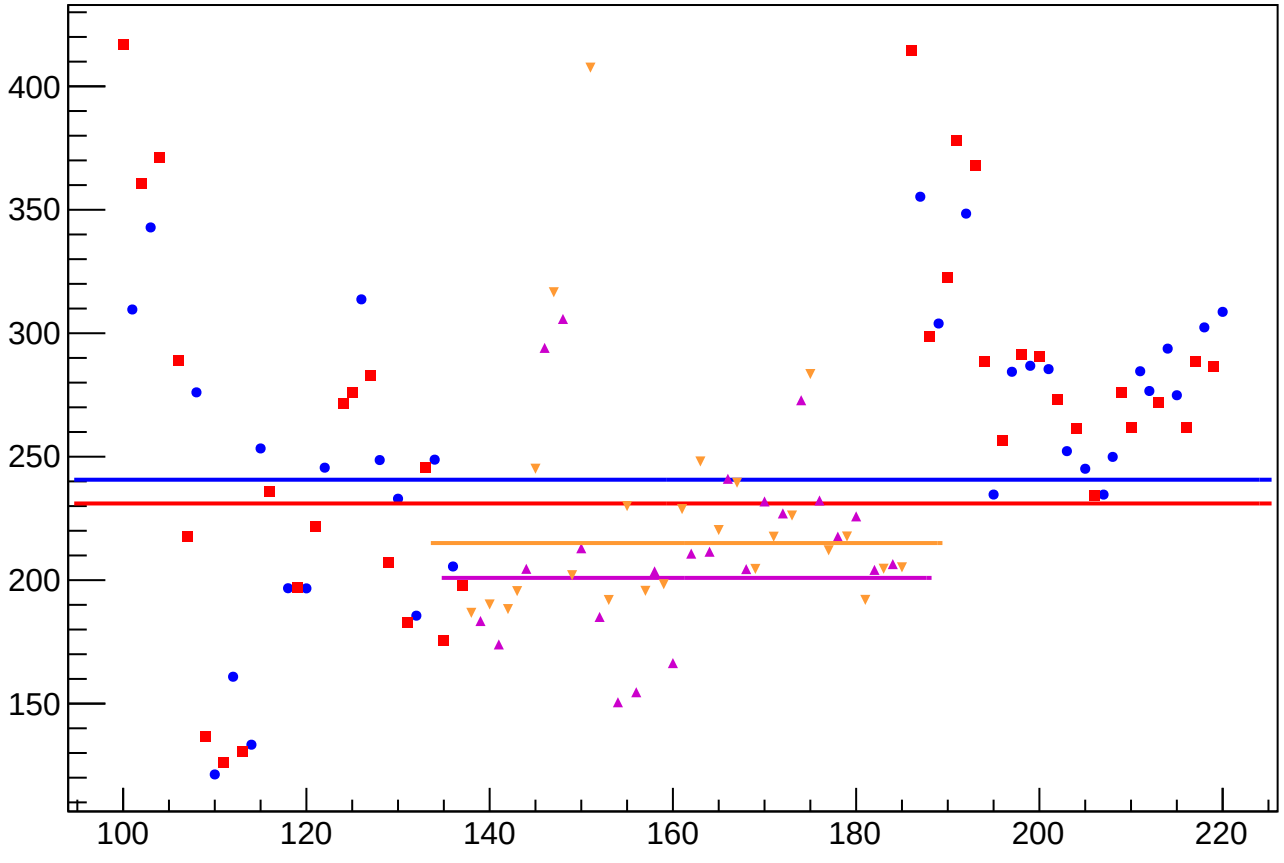
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 144.467+/-36.814 χ^2/NDF: 8519.0/57

All: -247.021+/-25.591 χ^2/NDF: 19699.2/117

- sign -613.119+/-35.600 χ^2/NDF: 10961.3/59

asym_bpm0l04WS_rms vs Slug



Right In: 240.677+/-0.038 χ^2/NDF: 2229405.8/32

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 231.056+/-0.037 χ^2/NDF: 3395371.8/36

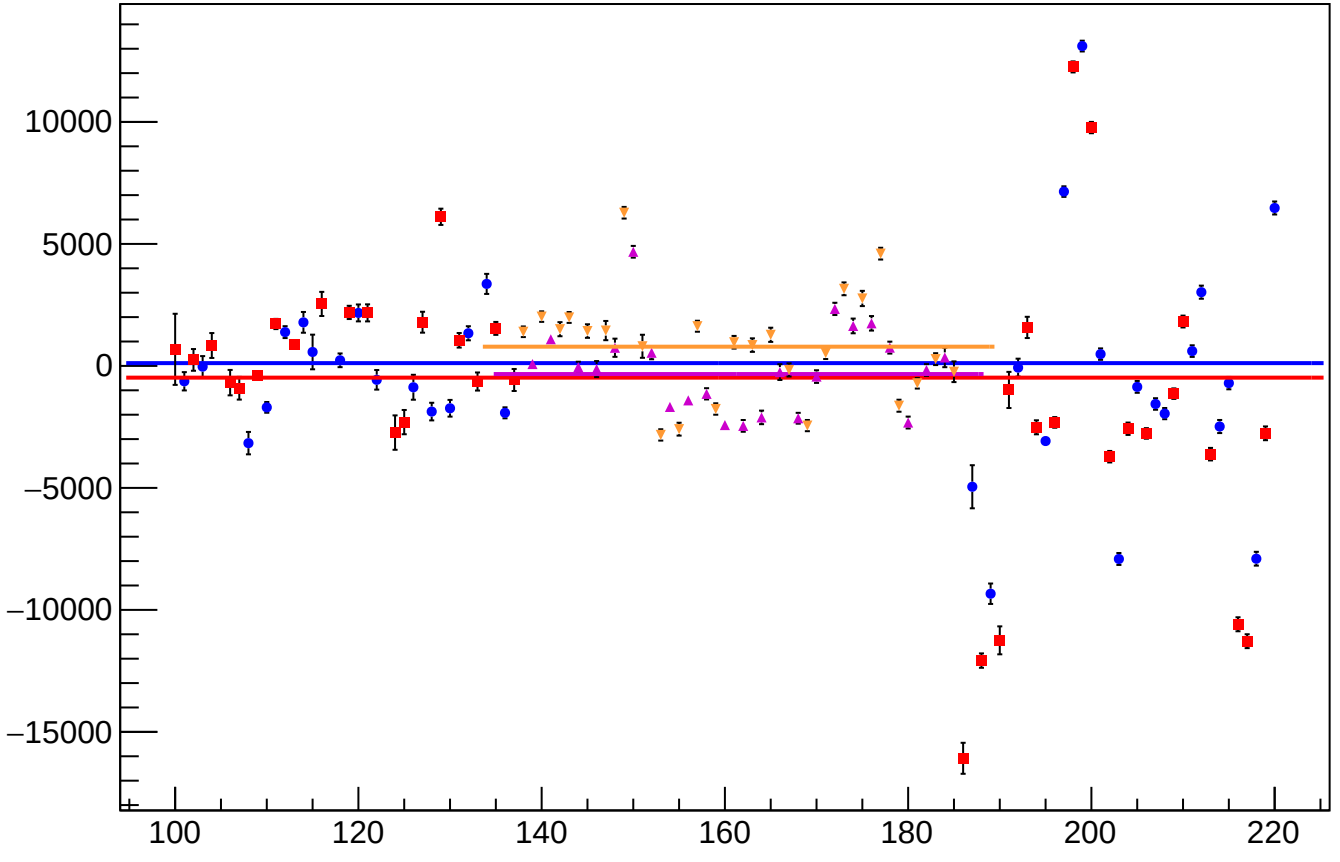
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 226.770+/-0.026 χ^2/NDF: 3368206.5/57

All: 220.578+/-0.018 χ^2/NDF: 8335022.0/117

- sign 214.787+/-0.025 χ^2/NDF: 4857315.8/59

asym_bpm0l05WS_mean vs Slug



Right In: 114.250+/-49.830 χ^2/NDF: 8528.3/32

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: -480.881+/-49.133 χ^2/NDF: 12017.1/36

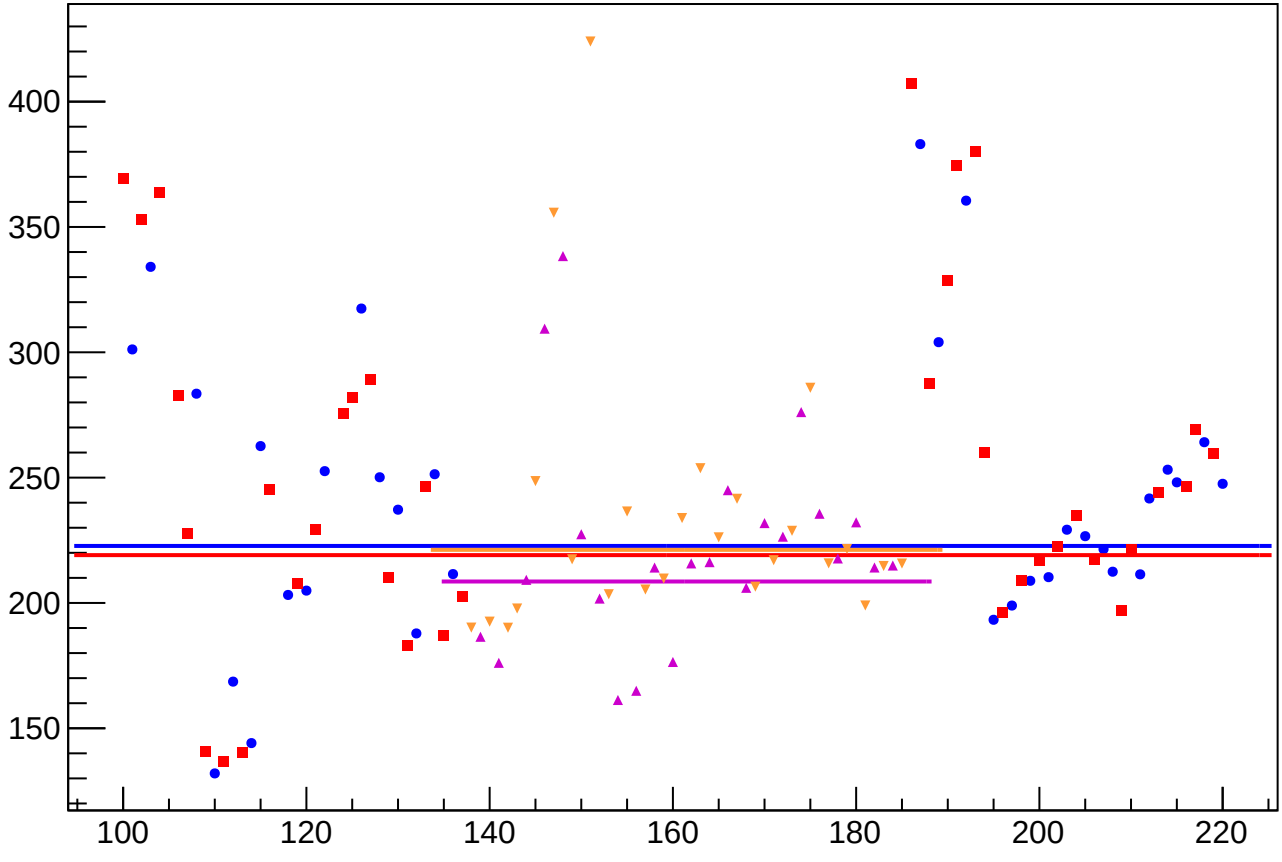
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 440.573+/-35.786 χ^2/NDF: 10507.1/57

All: 7.880+/-25.063 χ^2/NDF: 24030.8/117

- sign -408.669+/-35.112 χ^2/NDF: 13236.8/59

asym_bpm0l05WS_rms vs Slug



Right In: 222.744+/-0.035 χ^2/NDF: 1551603.3/32

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 219.080+/-0.035 χ^2/NDF: 2438997.4/36

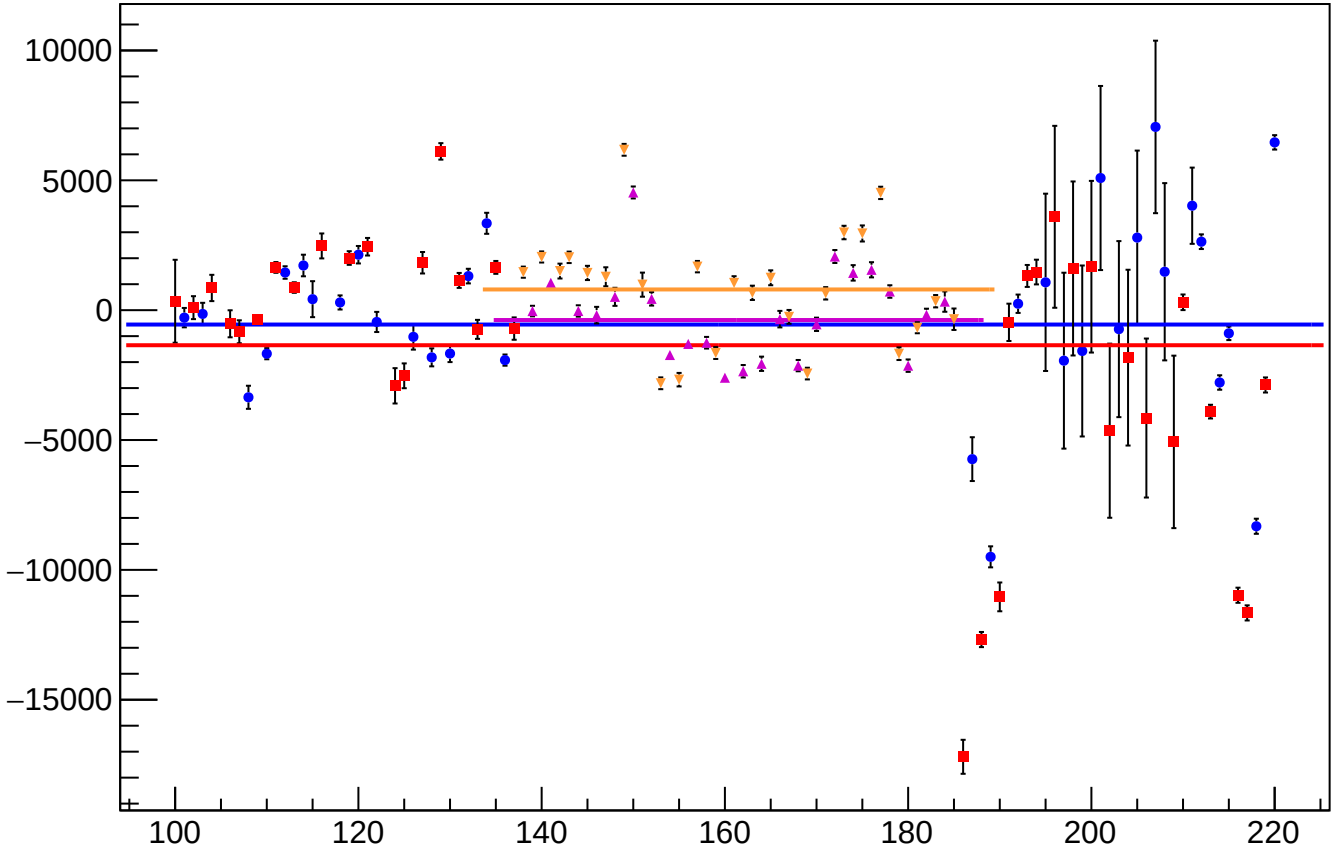
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 221.989+/-0.025 χ^2/NDF: 2492071.4/57

All: 217.883+/-0.018 χ^2/NDF: 6063282.9/117

- sign 213.930+/-0.025 χ^2/NDF: 3519532.7/59

asym_bpm0l06WS_mean vs Slug



Right In: -553.484+/-64.967 χ^2/NDF: 2540.5/32

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -1349.854+/-60.133 χ^2/NDF: 6575.0/36

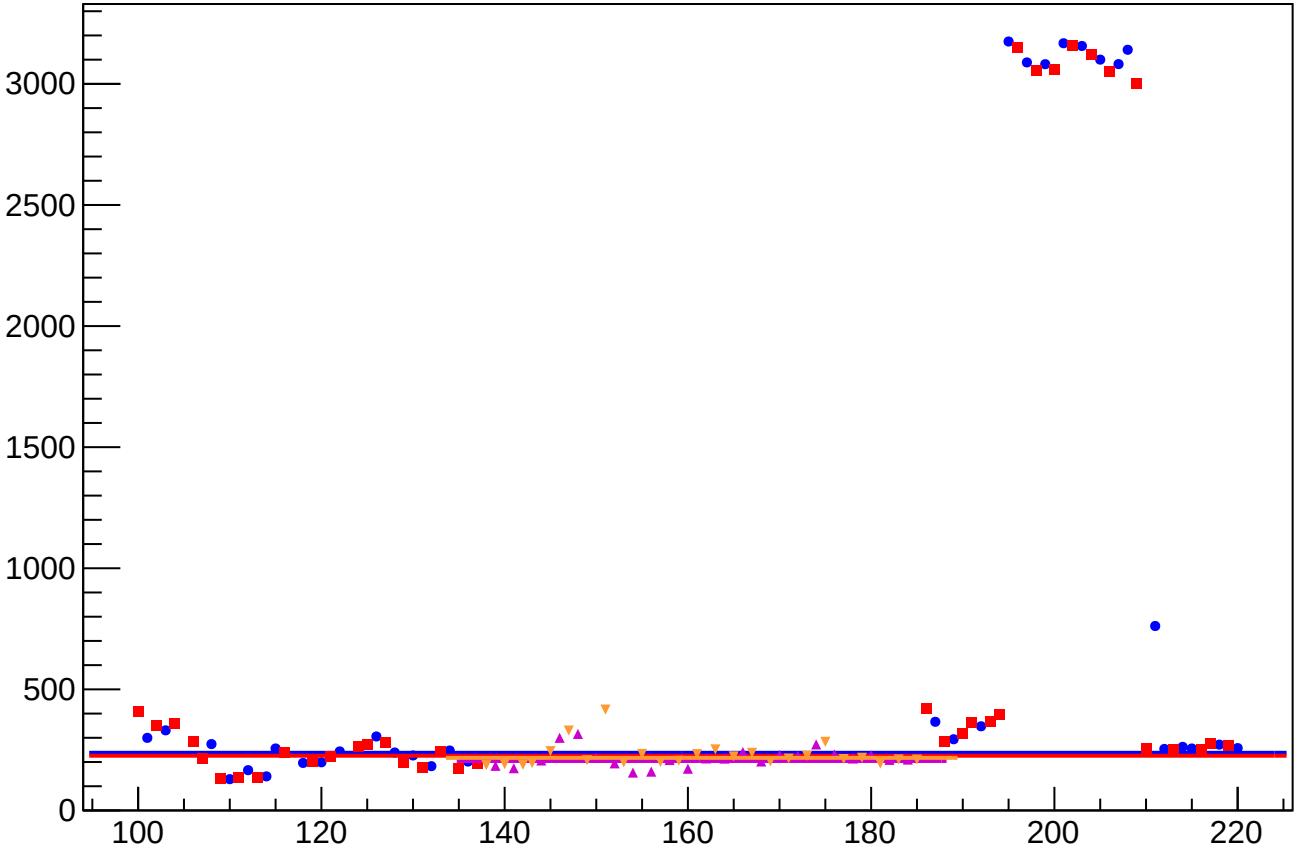
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 288.705+/-39.869 χ^2/NDF: 4770.9/57

All: -264.265+/-27.534 χ^2/NDF: 13070.9/117

- sign -768.491+/-38.071 χ^2/NDF: 7932.2/59

asym_bpm0l06WS_rms vs Slug



Right In: 238.044+/-0.046 χ^2/NDF: 13420136.7/32

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 226.056+/-0.043 χ^2/NDF: 13280464.8/36

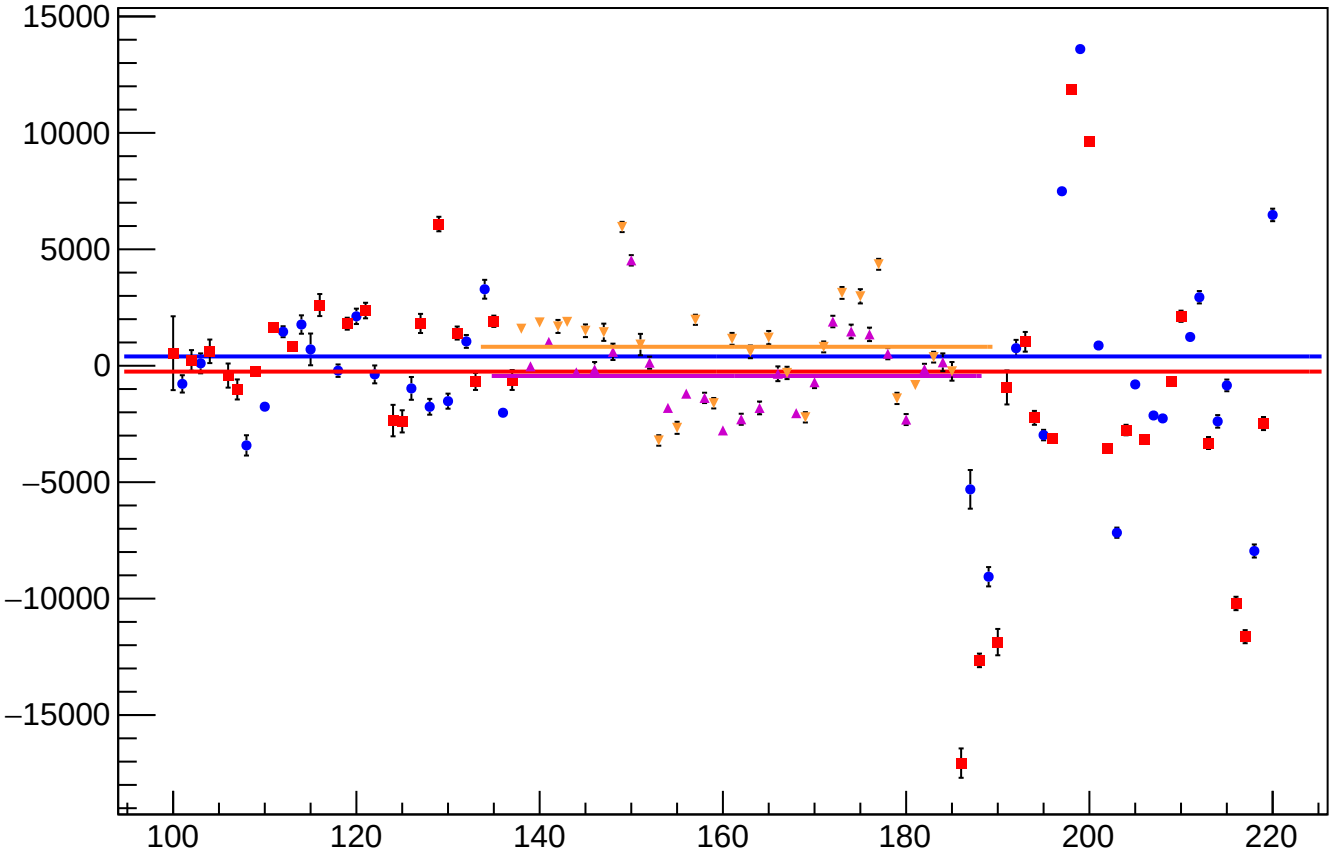
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 225.065+/-0.028 χ^2/NDF: 14458622.6/57

All: 218.767+/-0.019 χ^2/NDF: 29006277.5/11

- sign 213.025+/-0.027 χ^2/NDF: 14452253.3/59

asym_bpm0l07WS_mean vs Slug



Right In: 399.573+/-46.773 χ^2/NDF: 10750.7/32

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: -251.206+/-46.087 χ^2/NDF: 14037.6/36

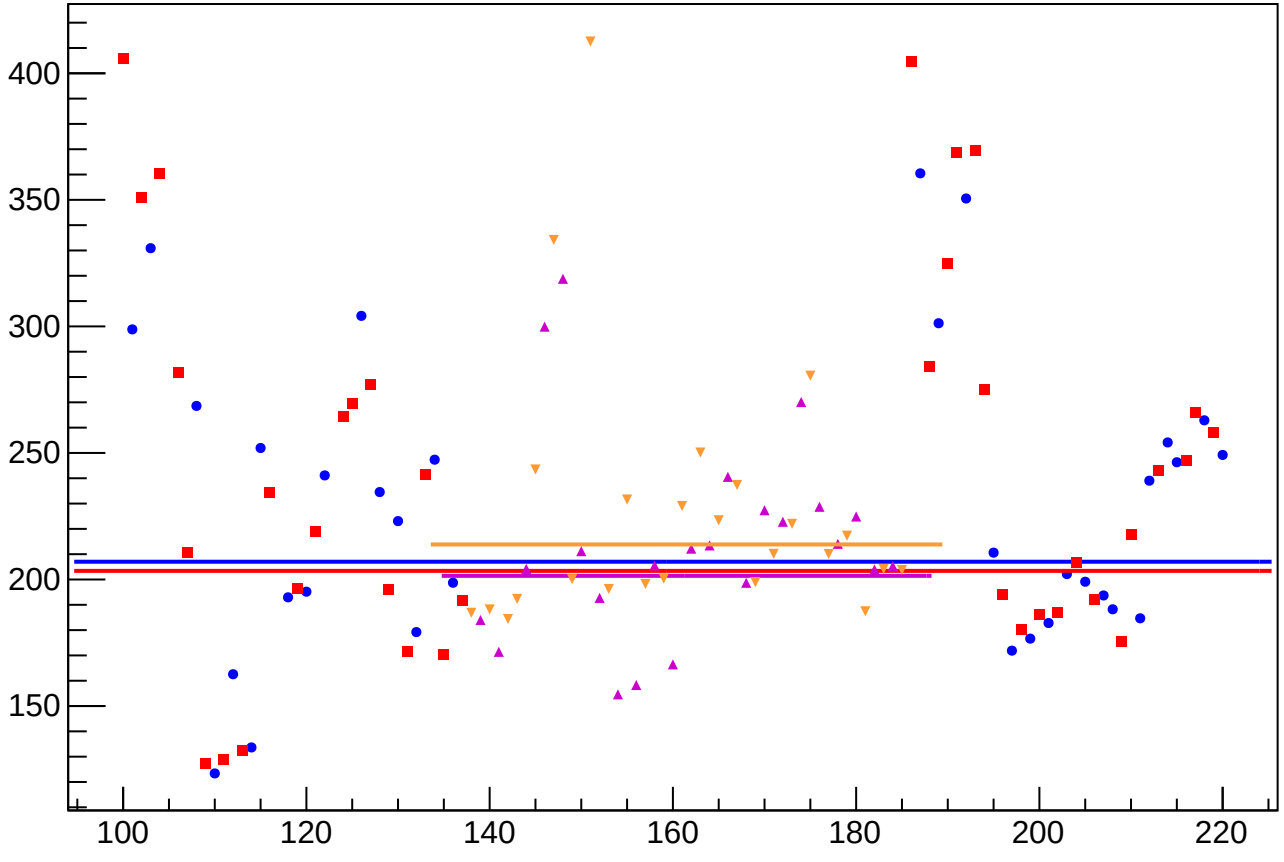
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 594.107+/-34.081 χ^2/NDF: 12787.9/57

All: 117.629+/-23.862 χ^2/NDF: 28451.8/117

- sign -340.566+/-33.420 χ^2/NDF: 15280.5/59

asym_bpm0l07WS_rms vs Slug



Right In: 207.023+/-0.033 χ^2/NDF: 1934998.1/32

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 203.407+/-0.033 χ^2/NDF: 2978852.4/36

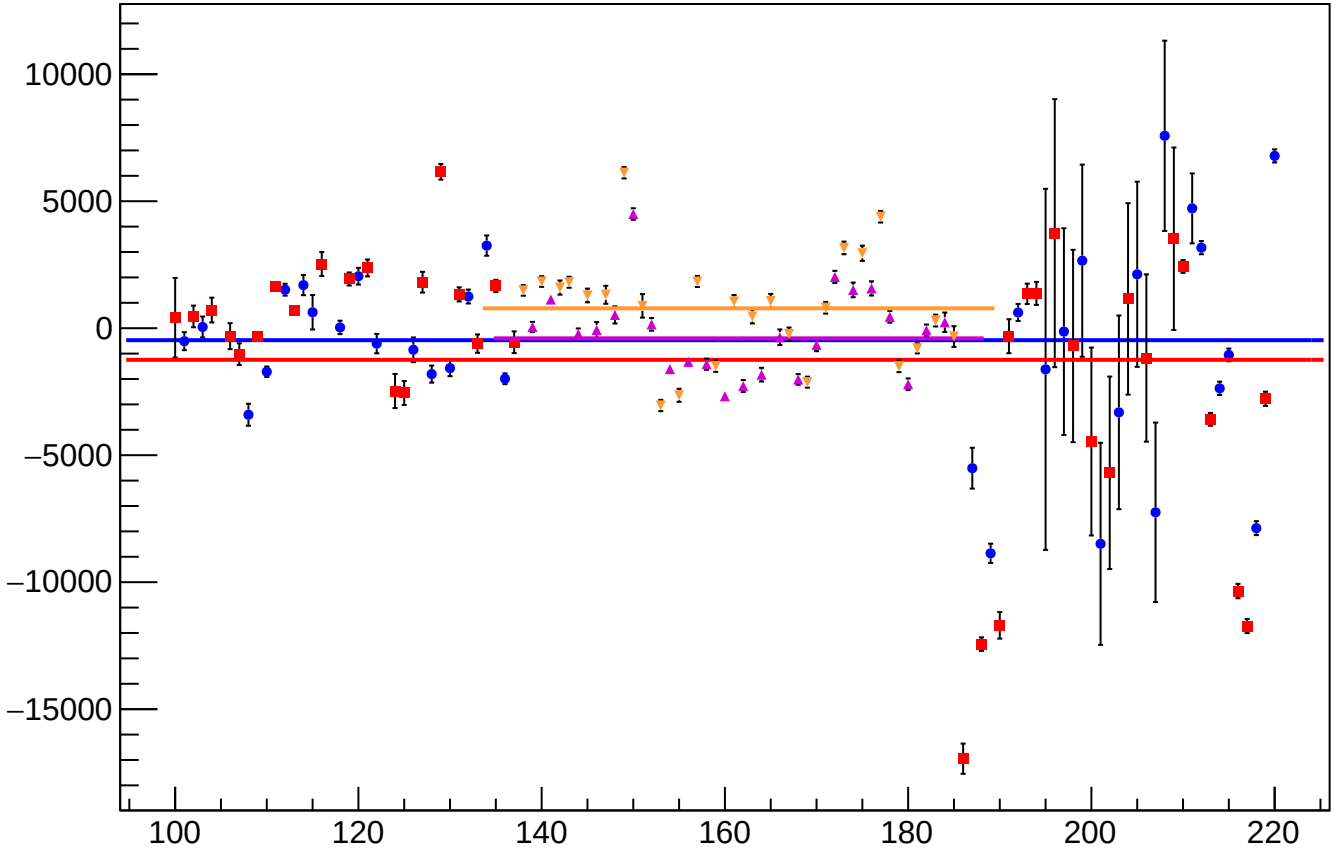
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 210.224+/-0.024 χ^2/NDF: 2918557.9/57

All: 206.275+/-0.017 χ^2/NDF: 7013786.7/117

- sign 202.477+/-0.024 χ^2/NDF: 4042543.1/59

asym_bpm0l08WS_mean vs Slug



Right In: -471.105+/-62.429 χ^2/NDF: 2789.2/32

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -1244.513+/-57.386 χ^2/NDF: 7329.3/36

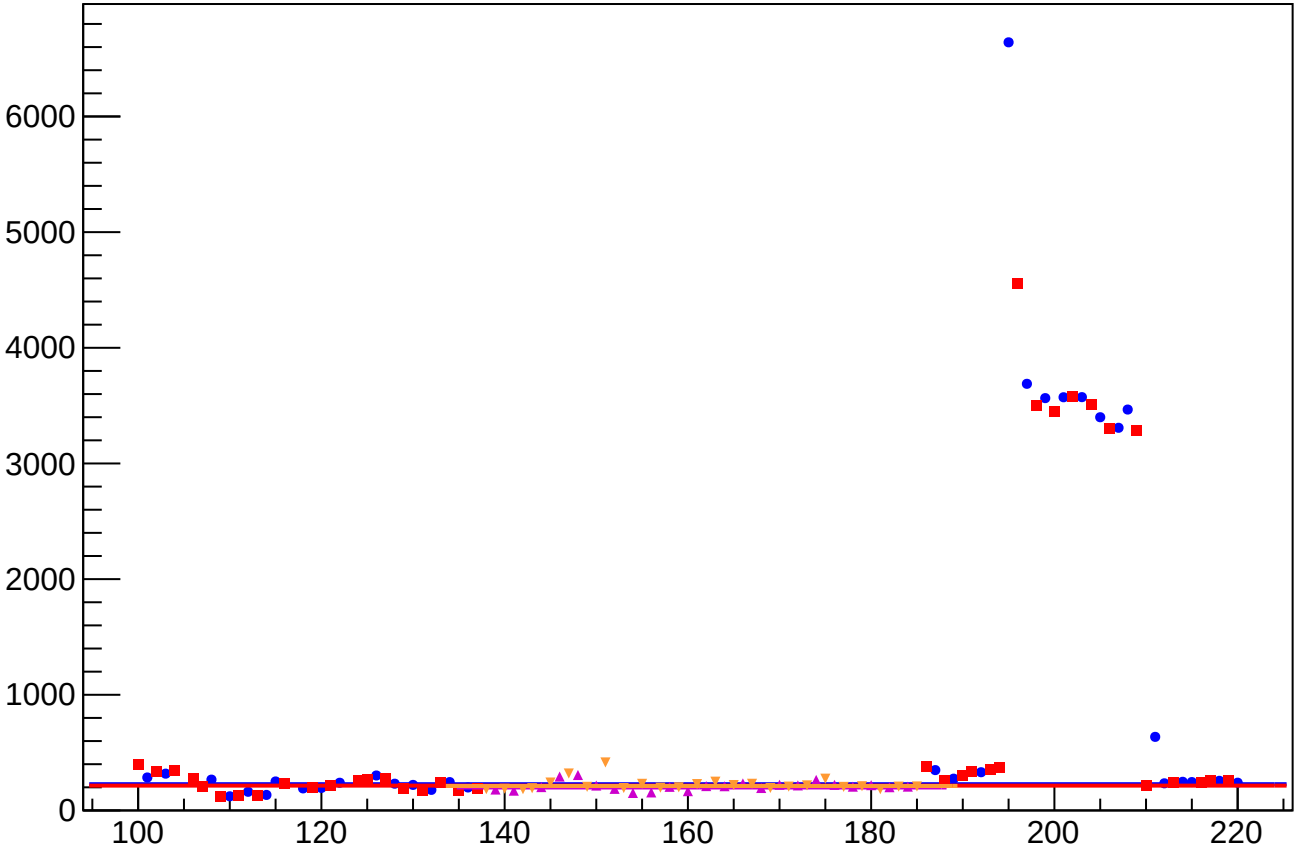
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 302.144+/-38.642 χ^2/NDF: 5039.2/57

All: -248.390+/-26.625 χ^2/NDF: 14114.8/117

- sign -745.969+/-36.736 χ^2/NDF: 8689.2/59

asym_bpm0l08WS_rms vs Slug



Right In: 227.146+/-0.044 χ^2/NDF: 13789972.5/32

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 214.722+/-0.041 χ^2/NDF: 13549082.9/36

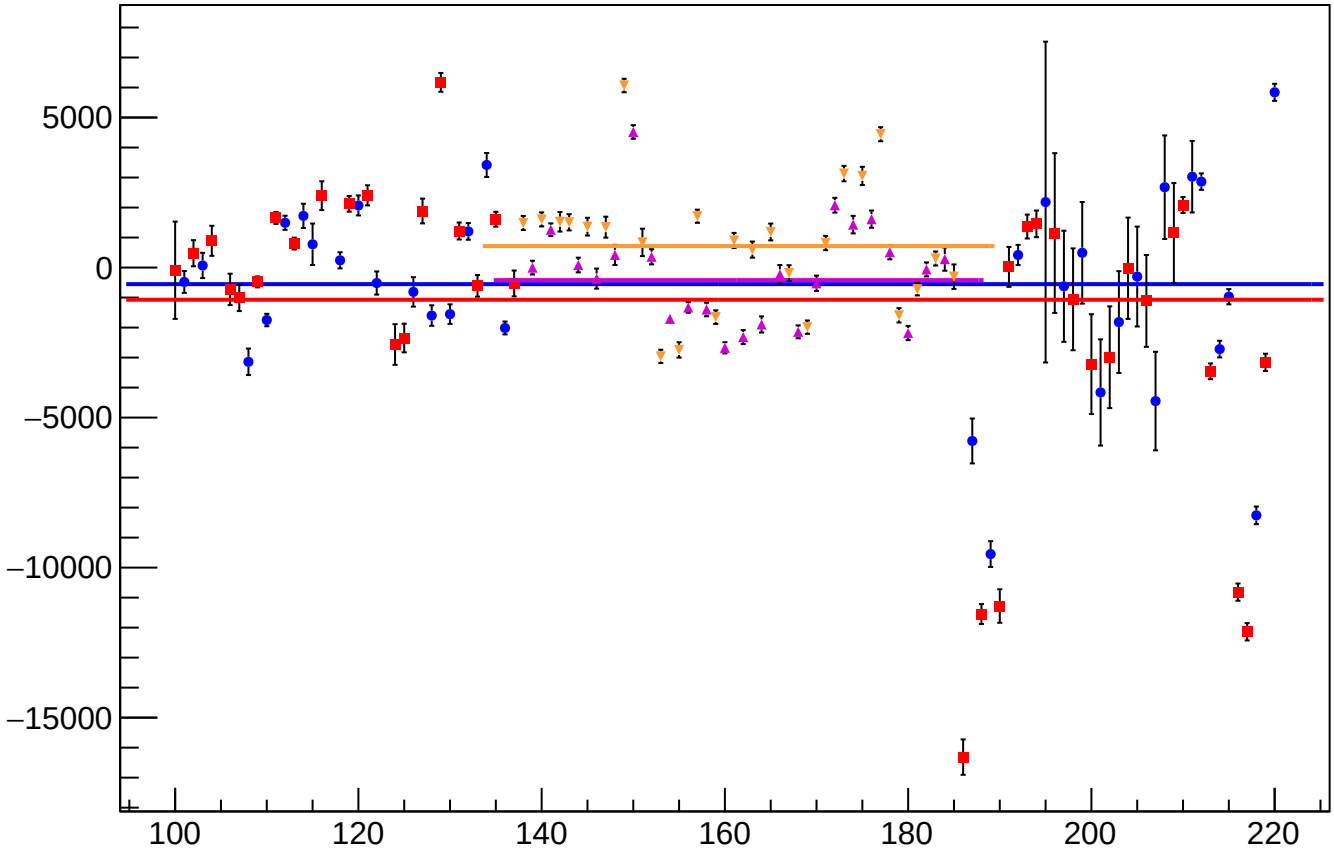
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 217.492+/-0.027 χ^2/NDF: 14802483.8/57

All: 211.016+/-0.019 χ^2/NDF: 29559012.9/11

- sign 205.162+/-0.026 χ^2/NDF: 14649584.5/59

asym_bpm0l09WS_mean vs Slug



Right In: -552.918+/-63.855 χ^2/NDF: 2392.0/32

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: -1072.718+/-58.938 χ^2/NDF: 6378.6/36

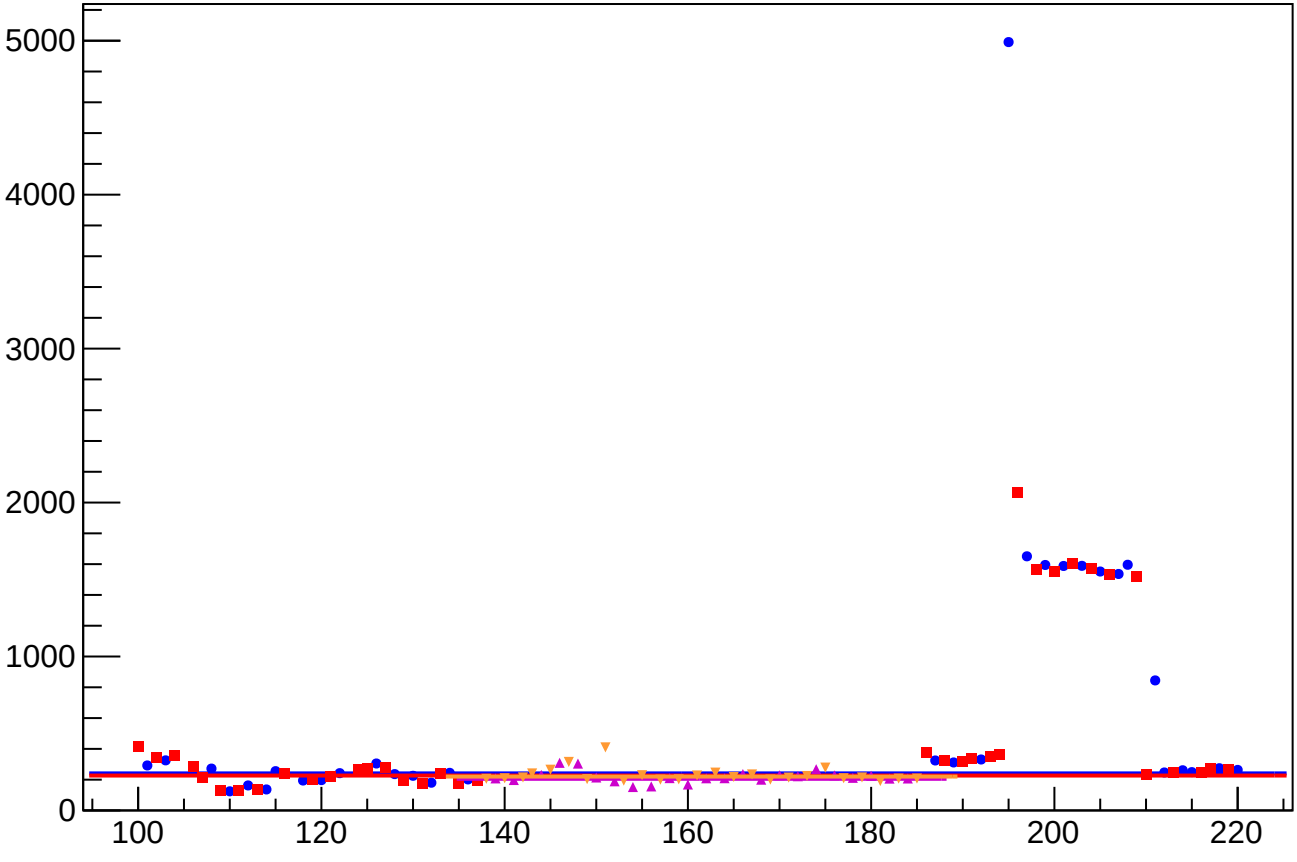
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 220.290+/-39.902 χ^2/NDF: 4550.6/57

All: -257.710+/-27.486 χ^2/NDF: 12515.4/117

- sign -689.291+/-37.915 χ^2/NDF: 7691.8/59

asym_bpm0l09WS_rms vs Slug



Right In: 240.743+/-0.045 χ^2/NDF: 12364251.5/32

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 226.756+/-0.042 χ^2/NDF: 11718185.6/36

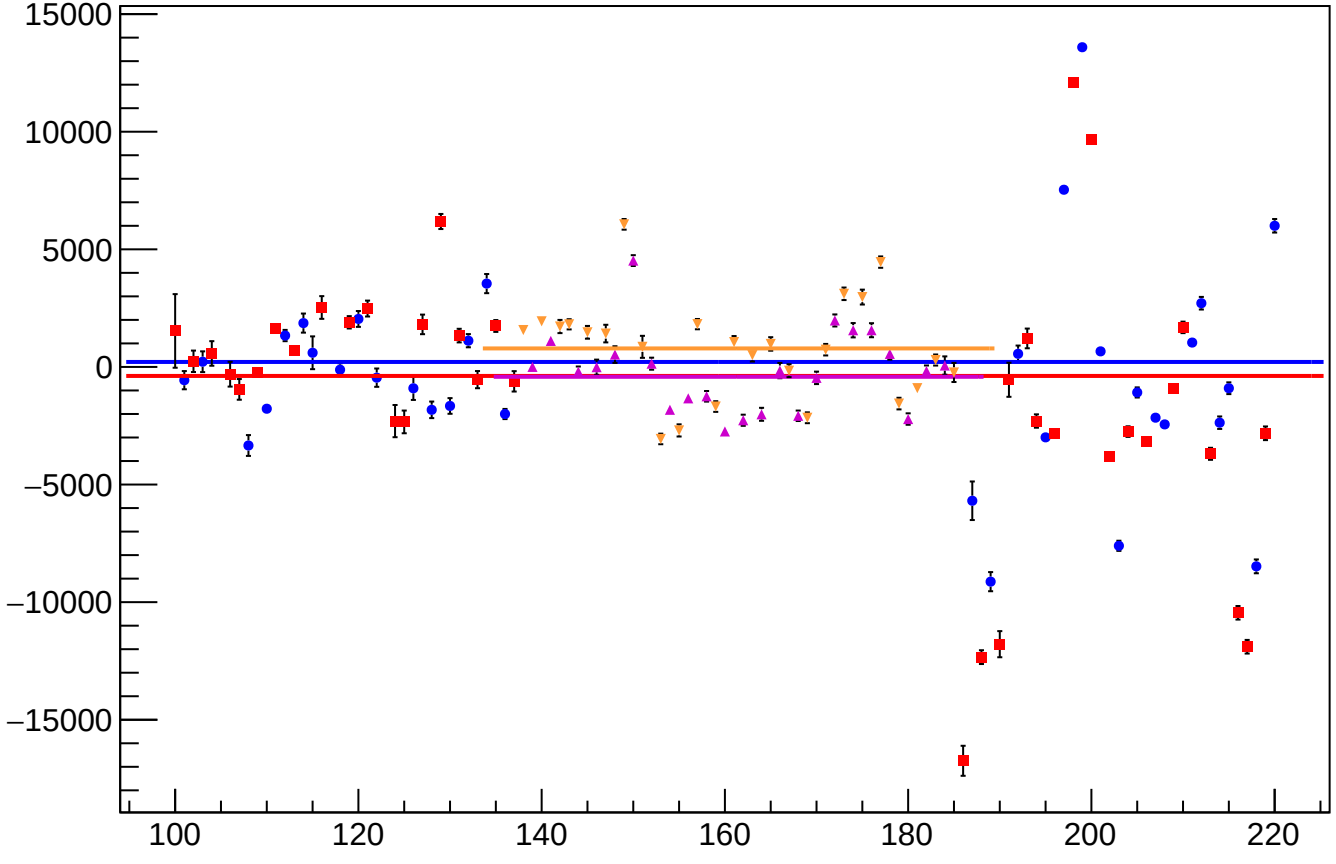
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 228.188+/-0.028 χ^2/NDF: 13290791.6/57

All: 220.882+/-0.019 χ^2/NDF: 26303265.4/11

- sign 214.286+/-0.027 χ^2/NDF: 12884891.0/59

asym_bpm0l10WS_mean vs Slug



Right In: 212.025+/-47.341 χ^2/NDF: 10607.2/32

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: -382.623+/-46.831 χ^2/NDF: 13664.0/36

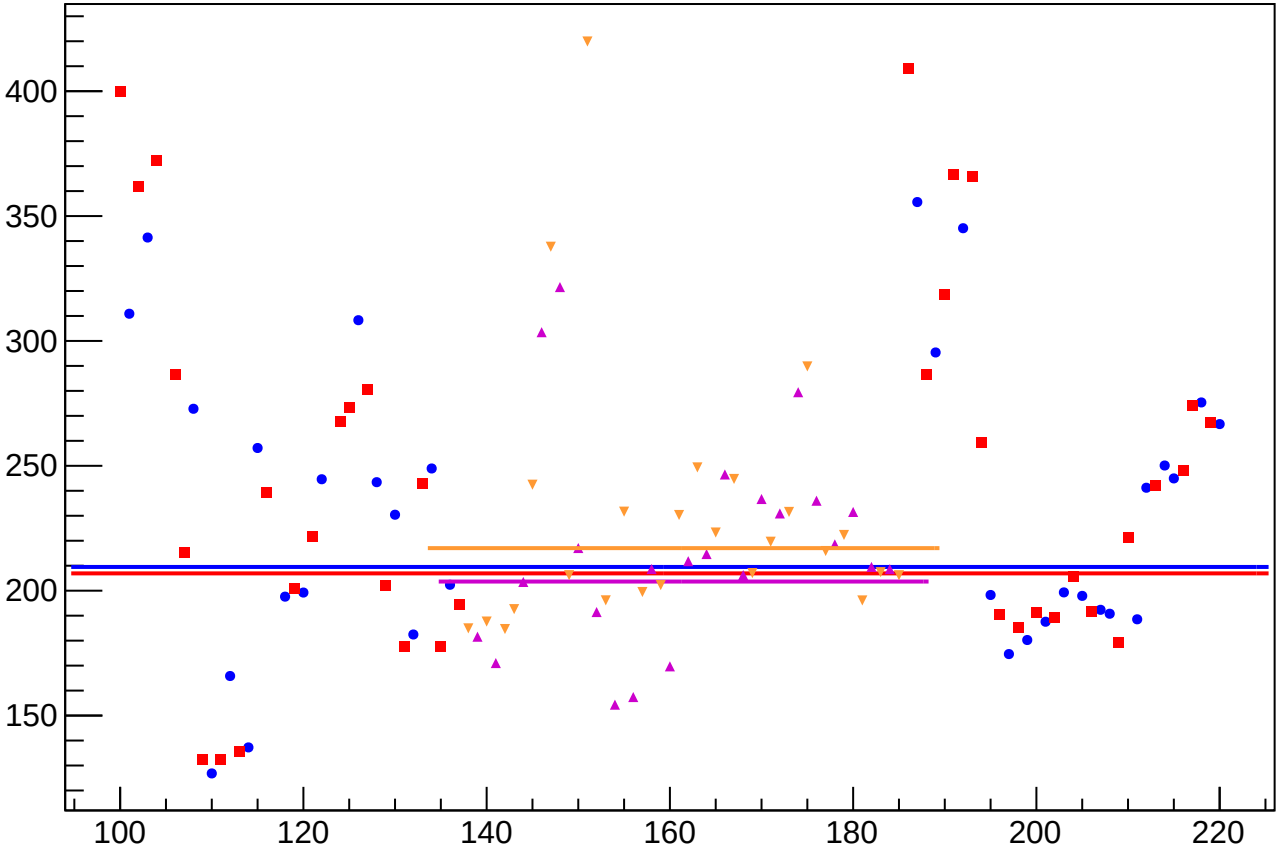
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 480.798+/-34.546 χ^2/NDF: 12613.8/57

All: 32.234+/-24.198 χ^2/NDF: 27820.0/117

- sign -399.848+/-33.905 χ^2/NDF: 14875.3/59

asym_bpm0l10WS_rms vs Slug



Right In: 209.505+/-0.033 χ^2/NDF: 1910844.8/32

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 206.928+/-0.033 χ^2/NDF: 2822622.0/36

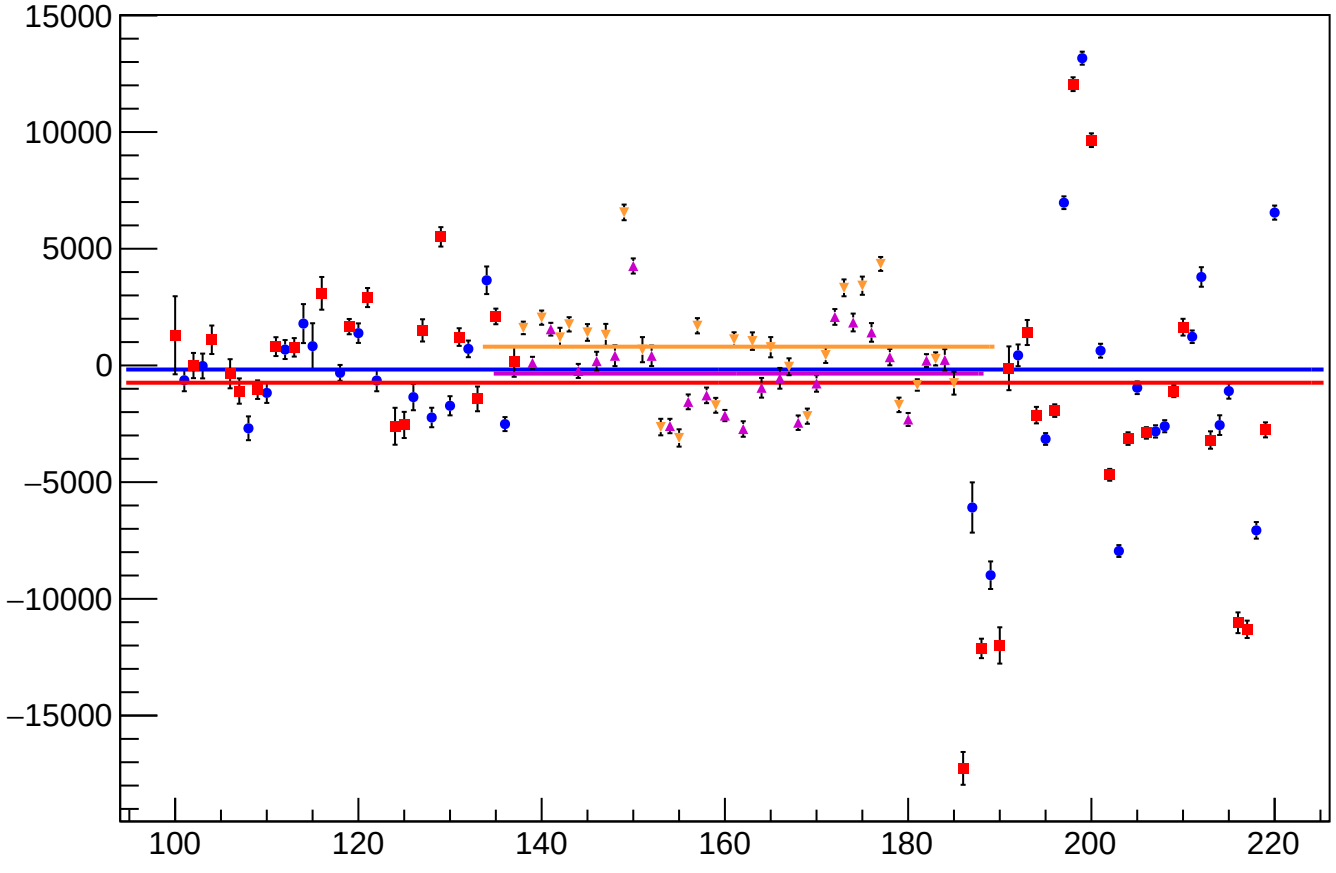
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 213.027+/-0.024 χ^2/NDF: 2917704.8/57

All: 209.129+/-0.017 χ^2/NDF: 6960310.8/117

- sign 205.373+/-0.024 χ^2/NDF: 3992590.6/59

asym_bpm0r03WS_mean vs Slug



Right In: -174.870+/-62.608 χ^2/NDF: 5750.9/32

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: -740.008+/-64.284 χ^2/NDF: 7118.9/36

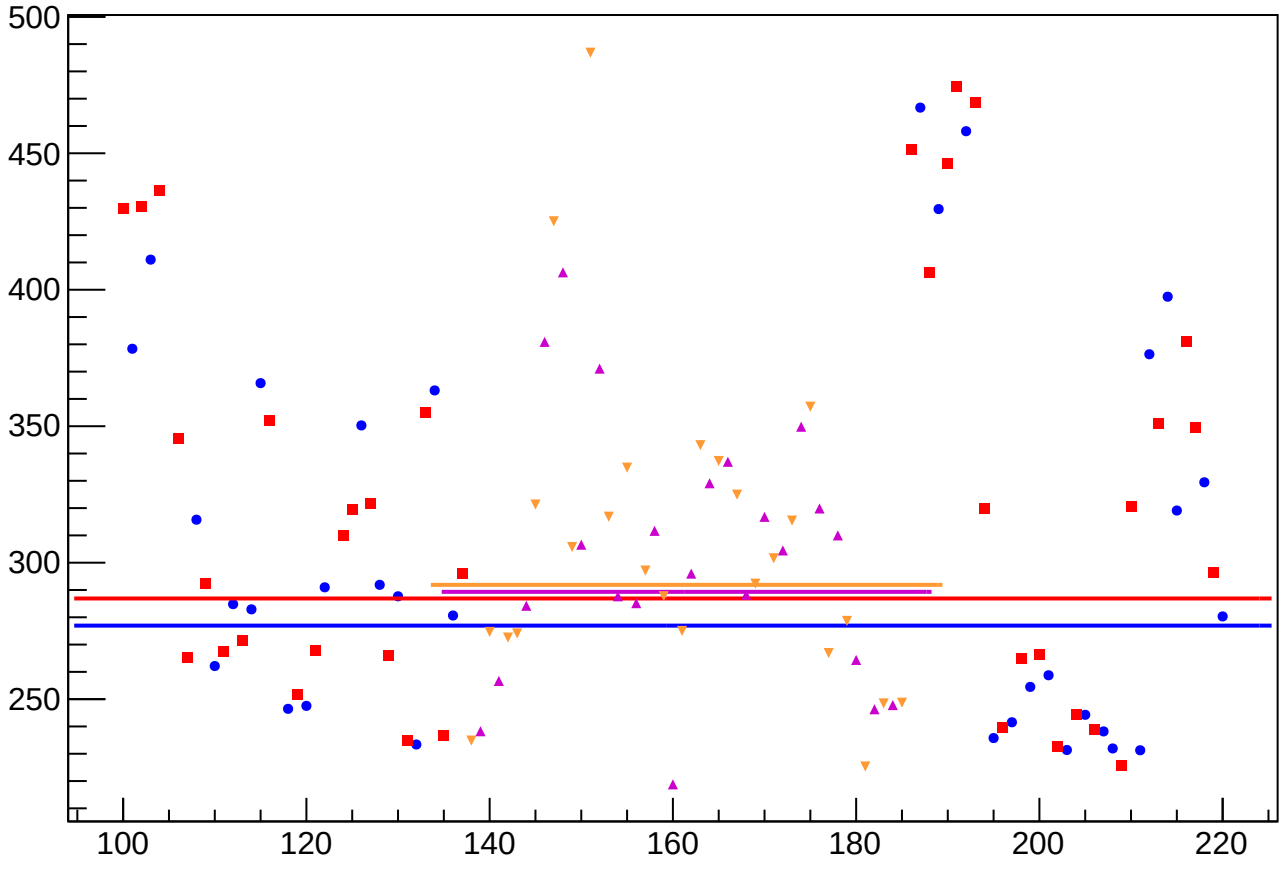
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 276.312+/-45.963 χ^2/NDF: 6921.2/57

All: -131.664+/-32.871 χ^2/NDF: 14874.6/117

- sign -558.788+/-47.030 χ^2/NDF: 7792.1/59

asym_bpm0r03WS_rms vs Slug



Right In: 276.945+/-0.044 χ^2/NDF: 1603608.2/32

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 286.888+/-0.045 χ^2/NDF: 1811983.5/36

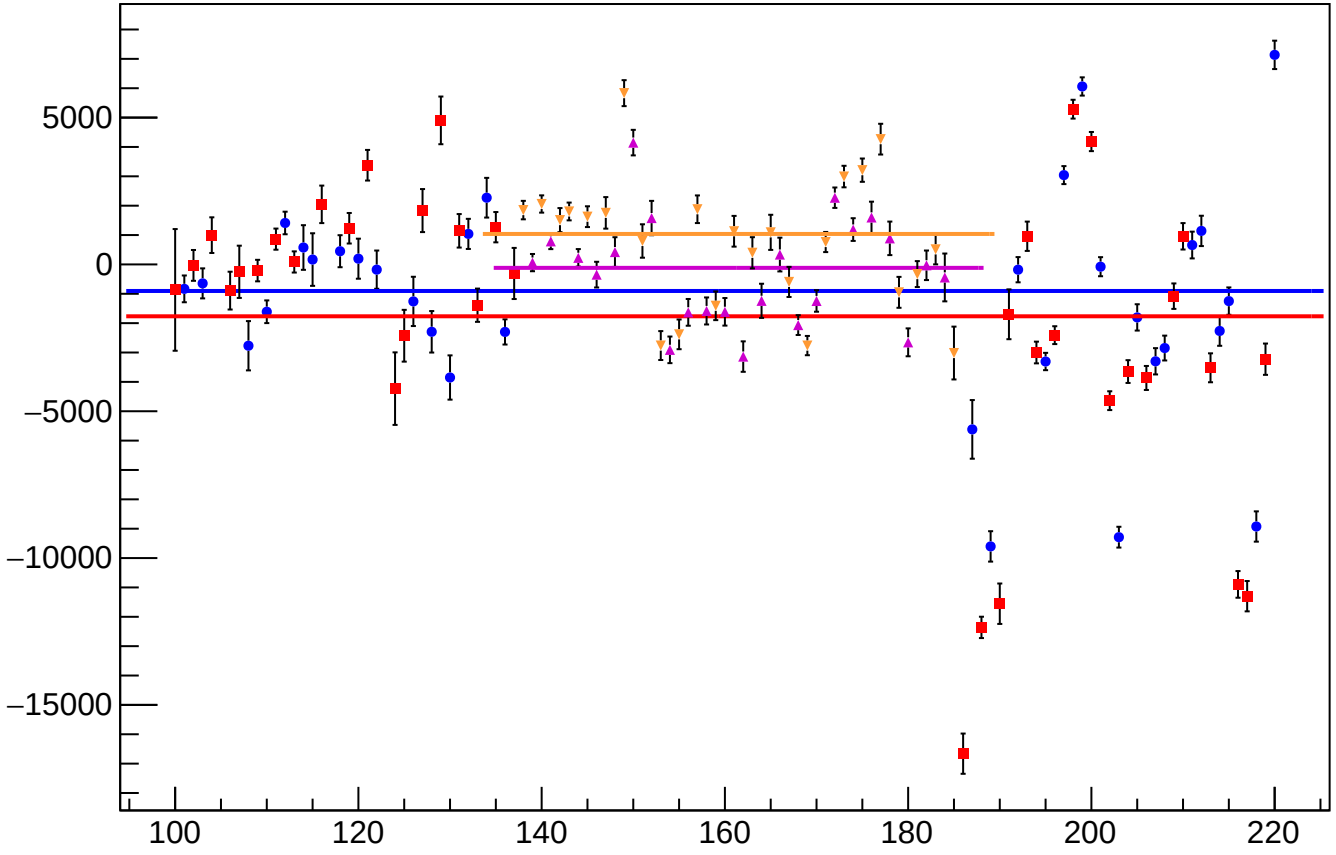
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 283.831+/-0.033 χ^2/NDF: 2616017.1/57

All: 285.877+/-0.023 χ^2/NDF: 5246046.5/117

- sign 288.019+/-0.033 χ^2/NDF: 2621920.0/59

asym_bpm0r05WS_mean vs Slug



Right In: -904.449+/-81.166 χ^2/NDF: 2342.9/32

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1766.574+/-78.349 χ^2/NDF: 3782.5/36

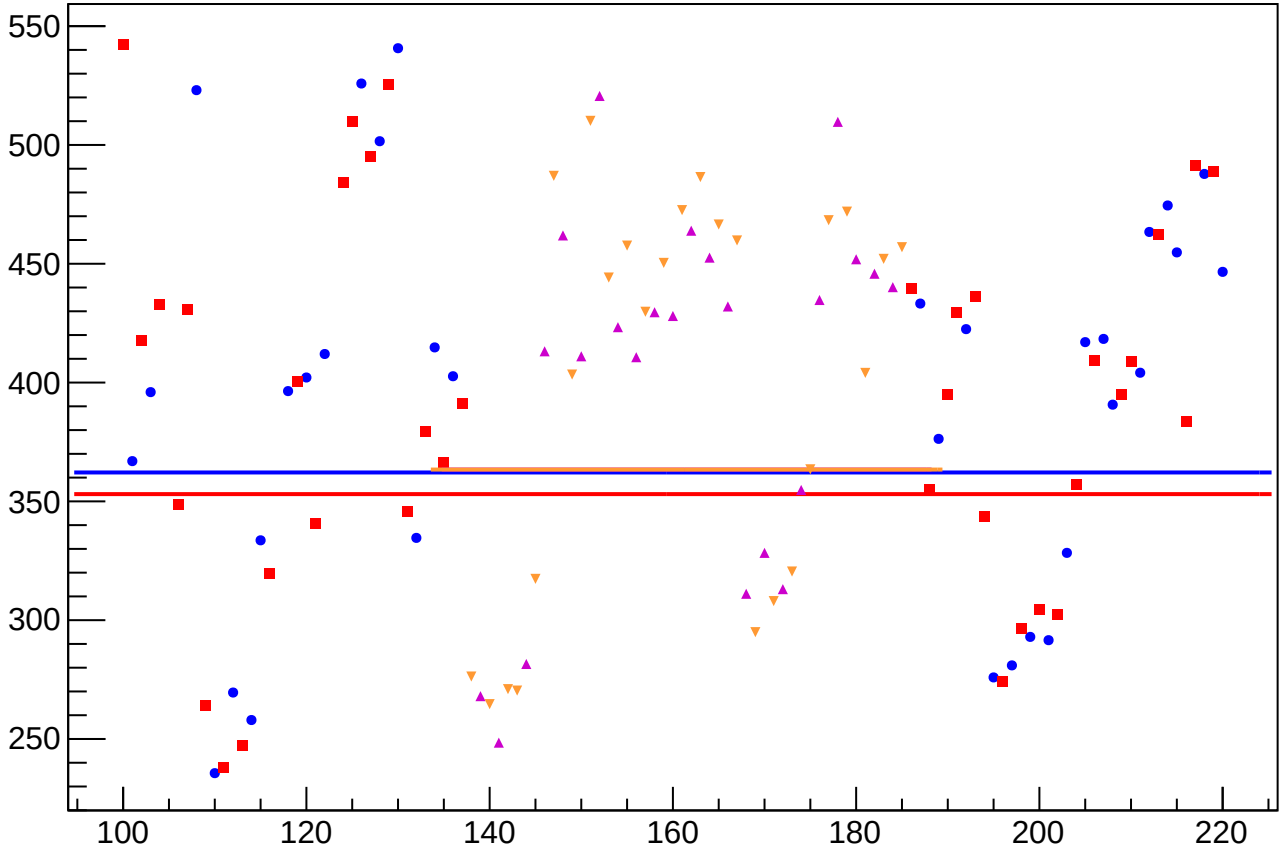
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

\+ sign 19.381+/-58.767 χ^2/NDF: 3185.4/57

All: -510.123+/-41.409 χ^2/NDF: 7696.9/117

\- sign -1032.266+/-58.357 χ^2/NDF: 4350.2/59

asym_bpm0r05WS_rms vs Slug



Right In: 362.164+/-0.057 χ^2/NDF: 1877797.1/32

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 353.055+/-0.055 χ^2/NDF: 1747123.6/36

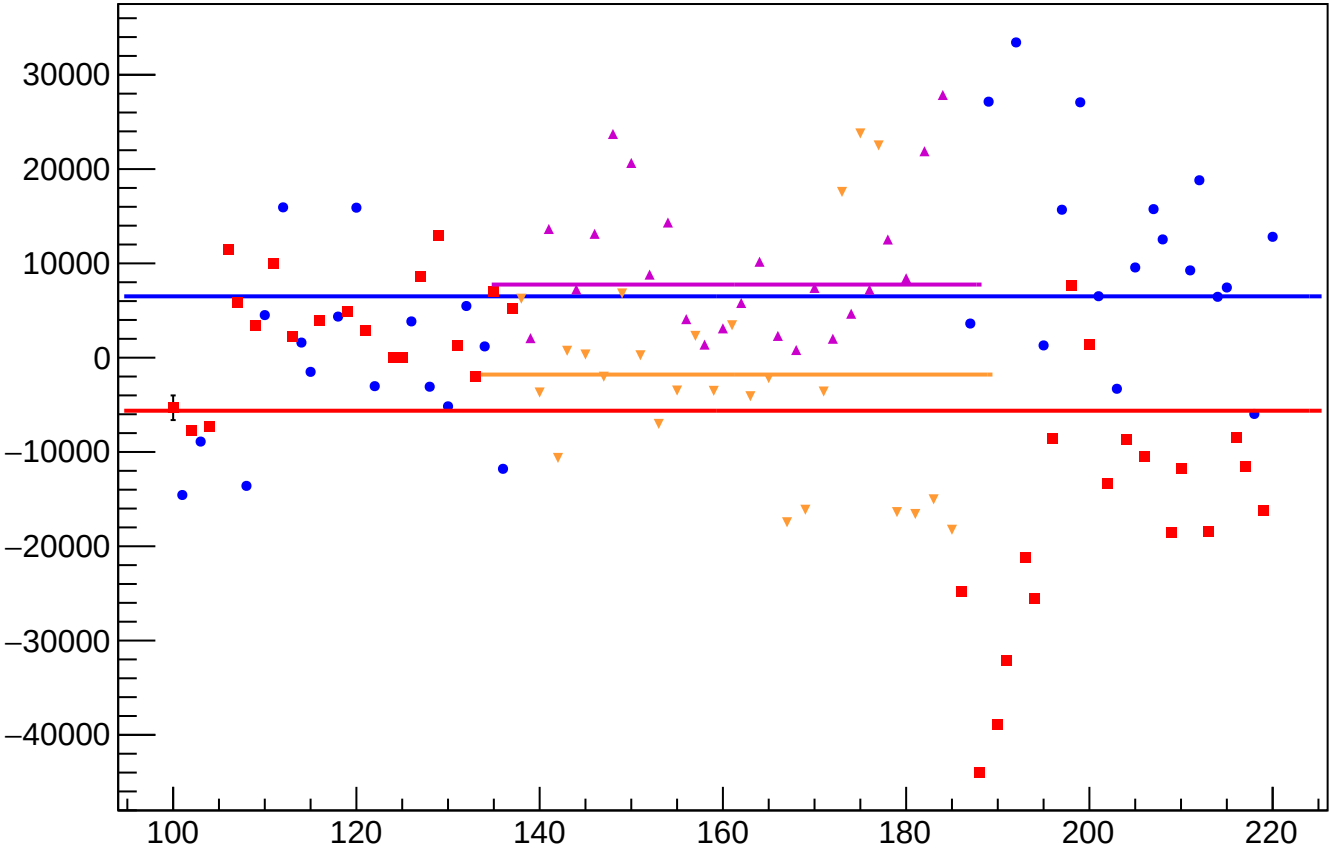
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 362.746+/-0.042 χ^2/NDF: 3818510.5/57

All: 360.182+/-0.029 χ^2/NDF: 7300275.3/117

- sign 357.654+/-0.041 χ^2/NDF: 3474206.3/59

asym_bpm0i02WS_mean vs Slug



Right In: 6505.140+/-37.568 χ^2/NDF: 99854.7/32

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -5625.025+/-36.486 χ^2/NDF: 149627.3/36

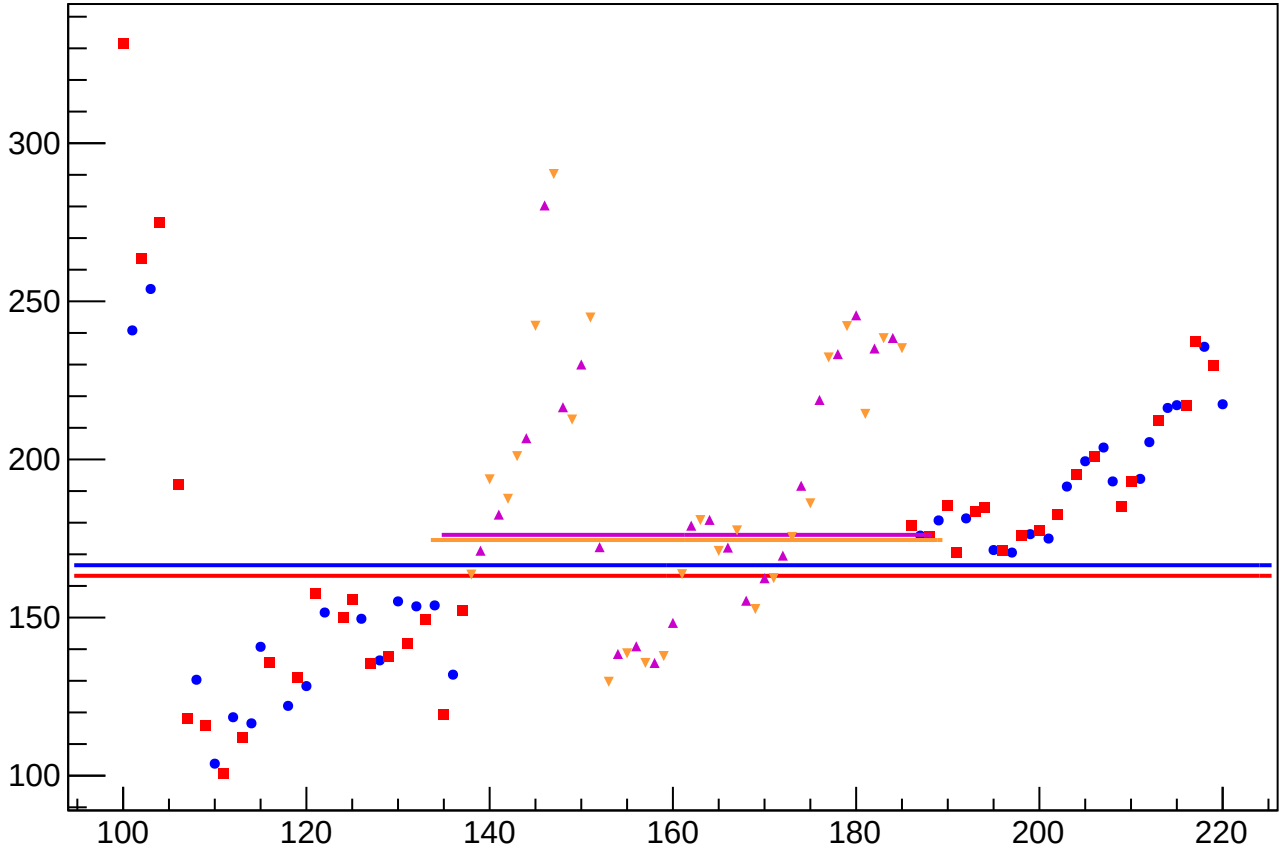
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 2710.068+/-27.671 χ^2/NDF: 187906.8/57

All: 1377.052+/-19.578 χ^2/NDF: 422405.3/11

- sign 40.898+/-27.703 χ^2/NDF: 229851.5/59

asym_bpm0i02WS_rms vs Slug



Right In: 166.549+/-0.027 χ^2/NDF: 1914541.1/32

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 163.206+/-0.026 χ^2/NDF: 2261955.4/36

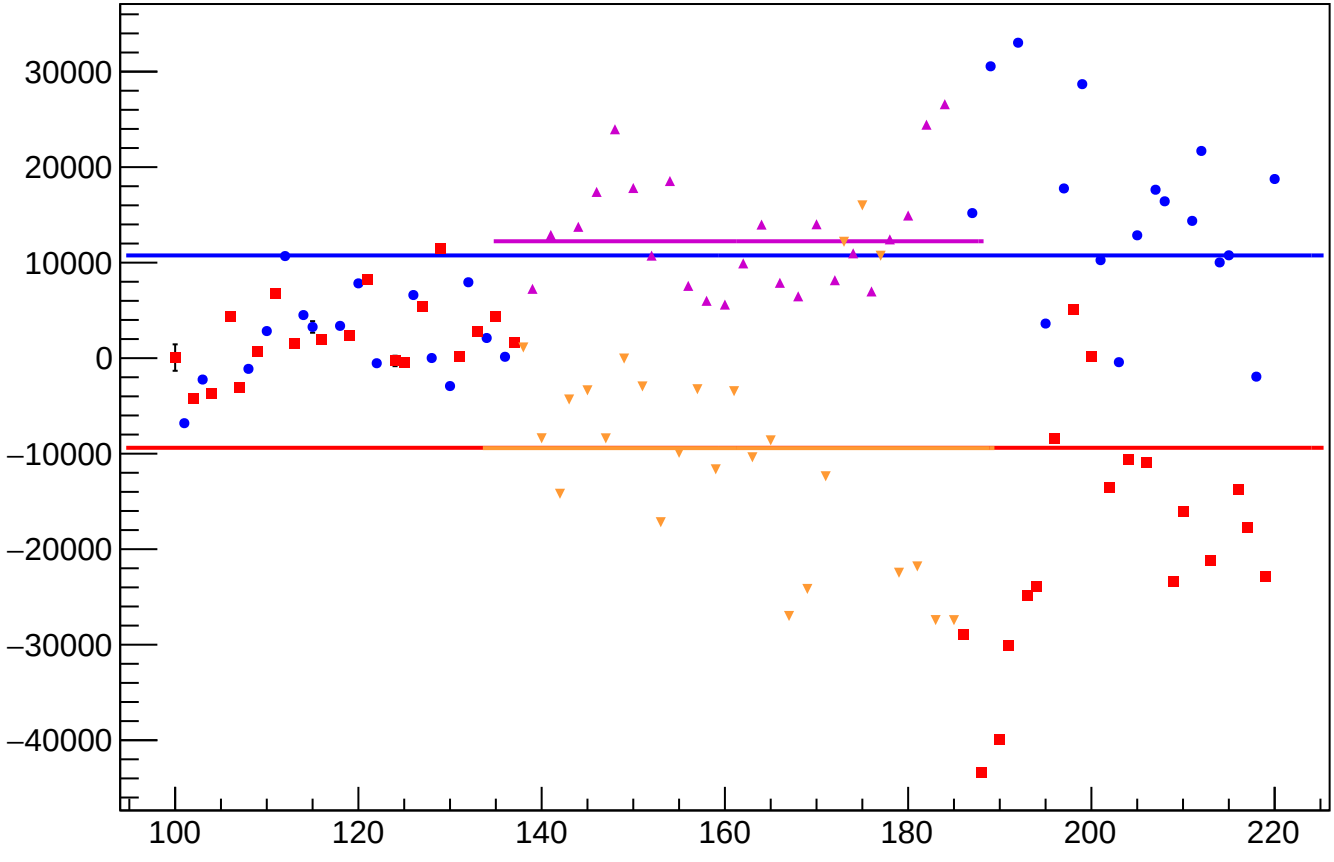
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 170.196+/-0.020 χ^2/NDF: 3615202.3/57

All: 169.444+/-0.014 χ^2/NDF: 7353848.1/117

- sign 168.690+/-0.020 χ^2/NDF: 3735684.8/59

asym_bpm0i02aWS_mean vs Slug



Right In: 10755.373+/-40.816 χ^2/NDF: 60448.7/32

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -9384.487+/-39.797 χ^2/NDF: 122918.9/36

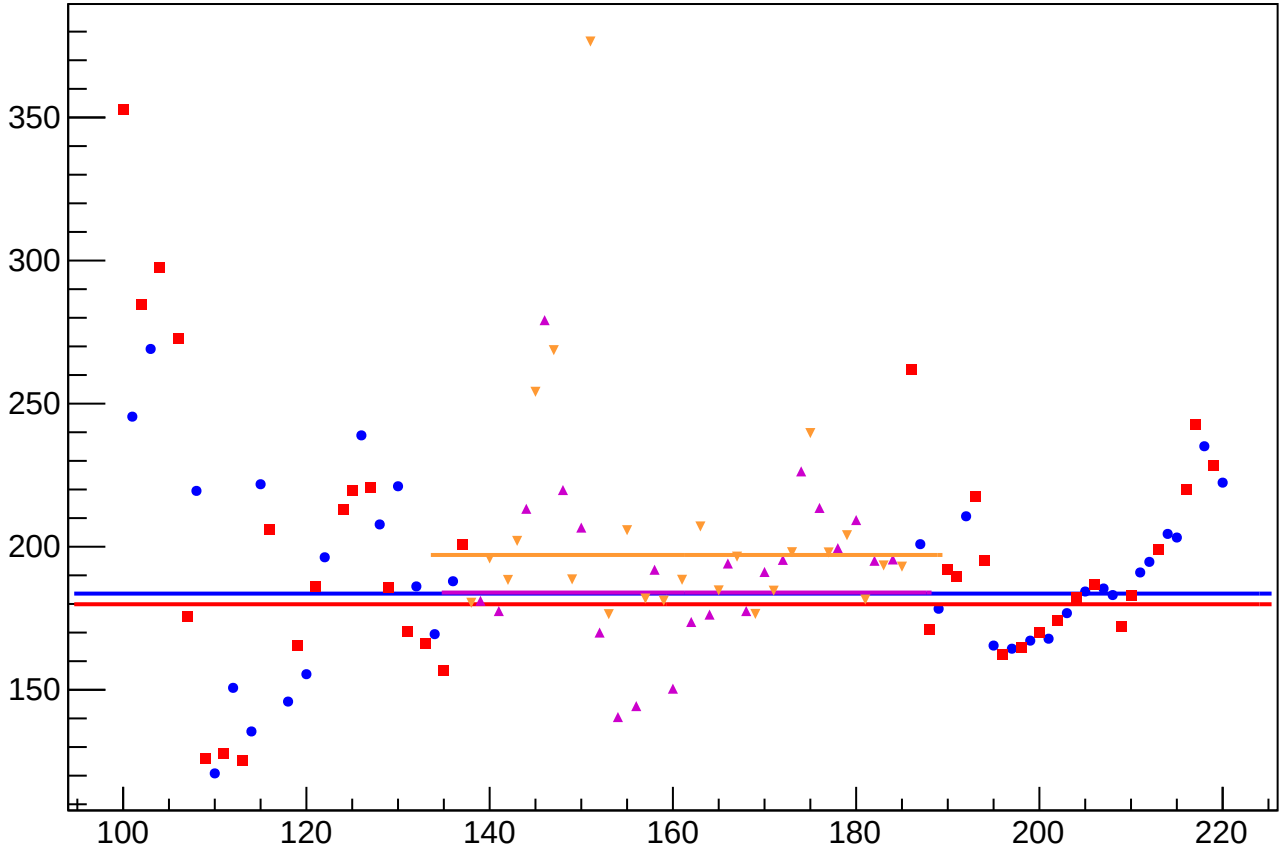
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign 1802.459+/-30.441 χ^2/NDF: 233592.3/57

All: 1028.498+/-21.212 χ^2/NDF: 505974.0/11

- sign 298.026+/-29.574 χ^2/NDF: 271125.2/59

asym_bpm0i02aWS_rms vs Slug



Right In: 183.618+/-0.029 χ^2/NDF: 978249.9/32

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 179.897+/-0.028 χ^2/NDF: 1497173.0/36

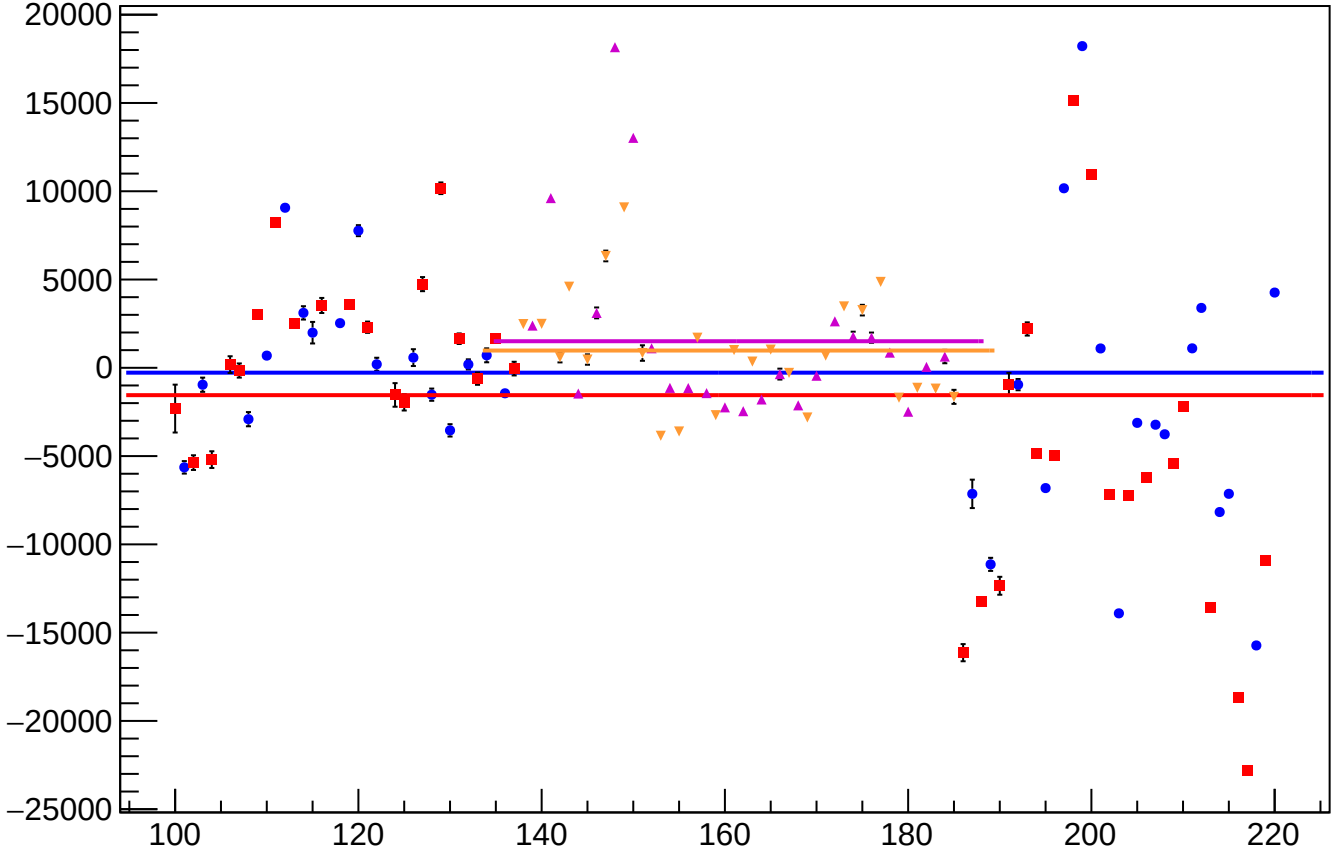
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 189.611+/-0.022 χ^2/NDF: 1807931.3/57

All: 185.555+/-0.015 χ^2/NDF: 4213326.1/117

- sign 181.728+/-0.021 χ^2/NDF: 2336402.0/59

asym_bpm0i05WS_mean vs Slug



Right In: -275.607+/-45.755 χ^2/NDF: 27293.0/32

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: -1549.058+/-44.720 χ^2/NDF: 36556.9/36

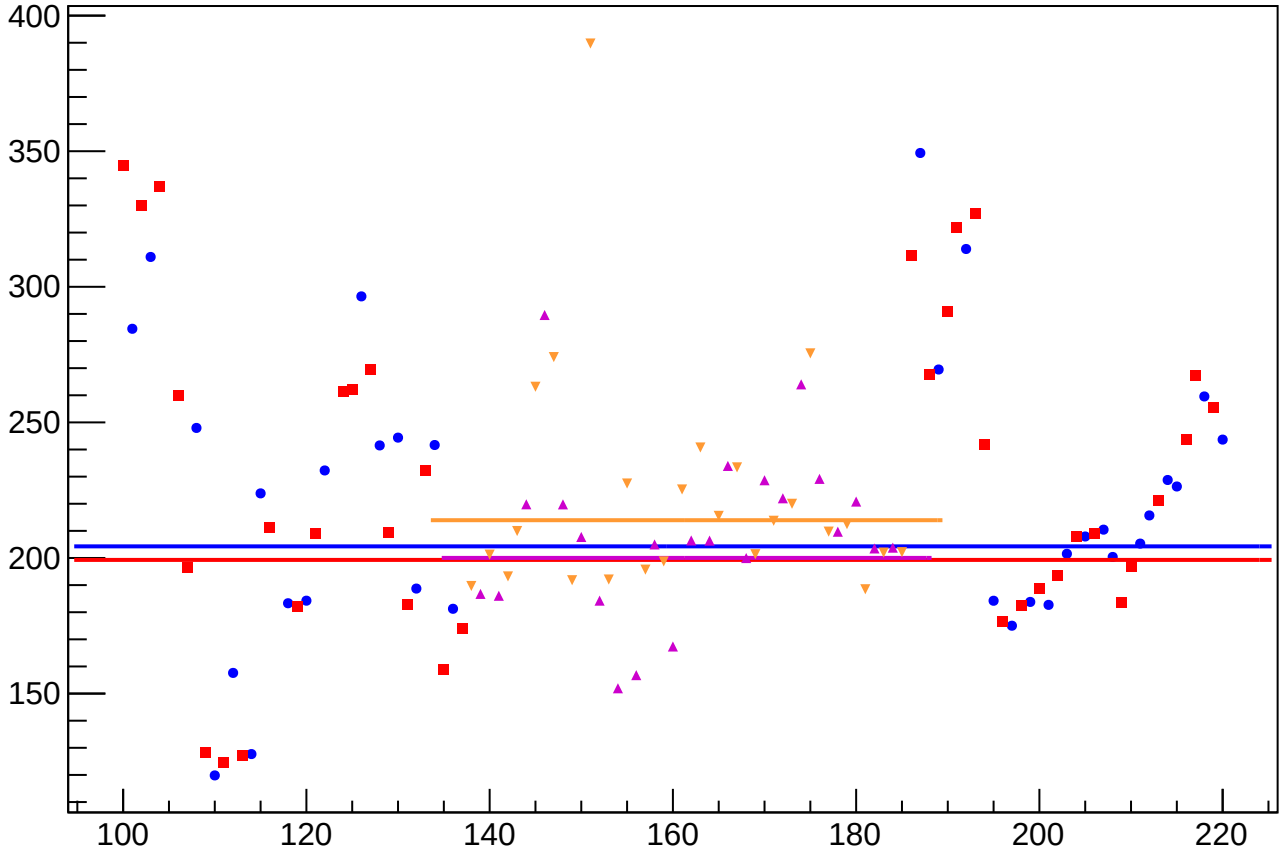
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 300.847+/-33.633 χ^2/NDF: 31961.2/57

All: 78.826+/-23.459 χ^2/NDF: 82248.4/117

- sign -131.506+/-32.736 χ^2/NDF: 50202.4/59

asym_bpm0i05WS_rms vs Slug



Right In: 204.287+/-0.032 χ^2/NDF: 1647342.2/32

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 199.290+/-0.032 χ^2/NDF: 2552523.4/36

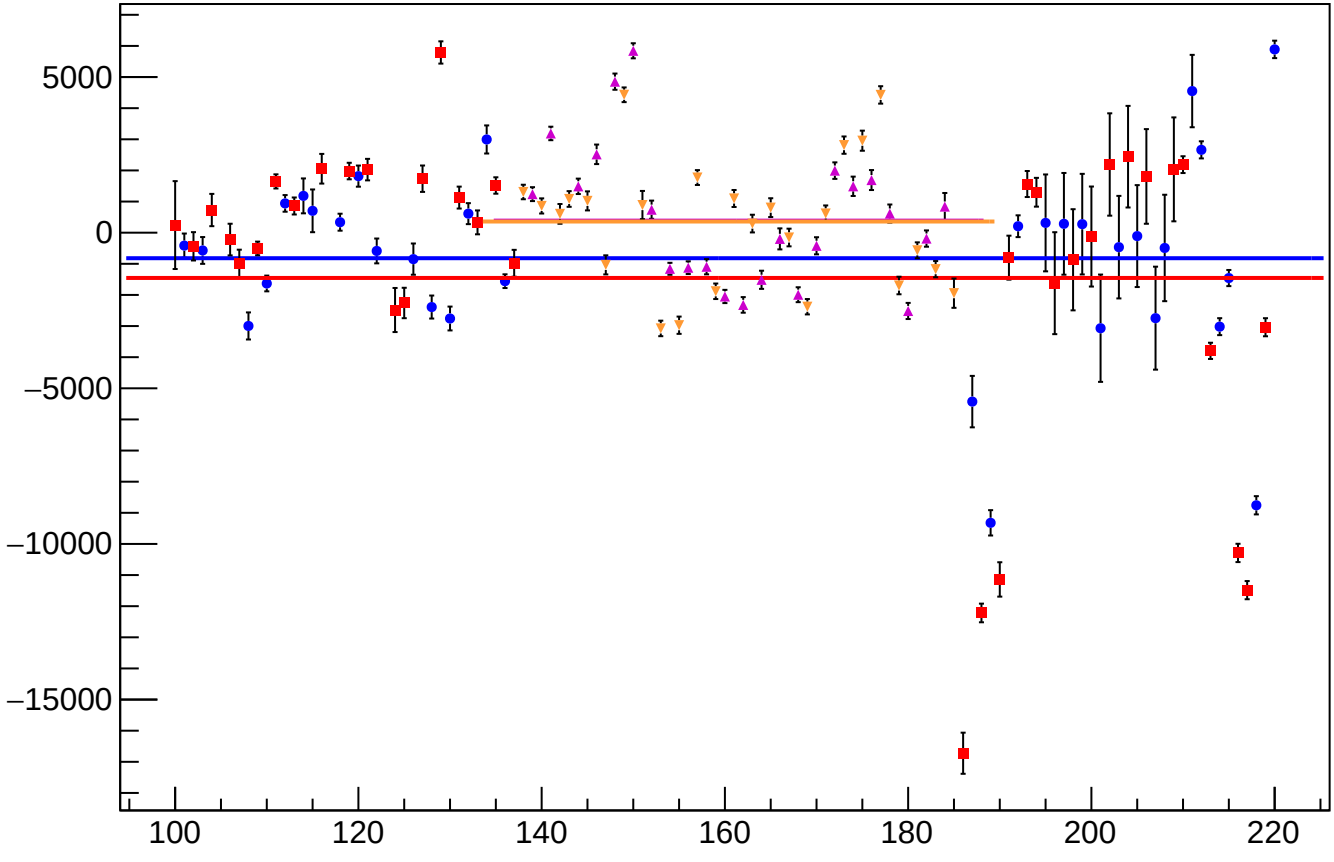
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 208.720+/-0.024 χ^2/NDF: 2421825.8/57

All: 204.054+/-0.017 χ^2/NDF: 5835093.2/117

- sign 199.634+/-0.023 χ^2/NDF: 3338303.6/59

asym_bpm0i07WS_mean vs Slug



Right In: -820.139+/-67.668 χ^2/NDF: 2360.9/32

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -1454.435+/-63.496 χ^2/NDF: 5922.8/36

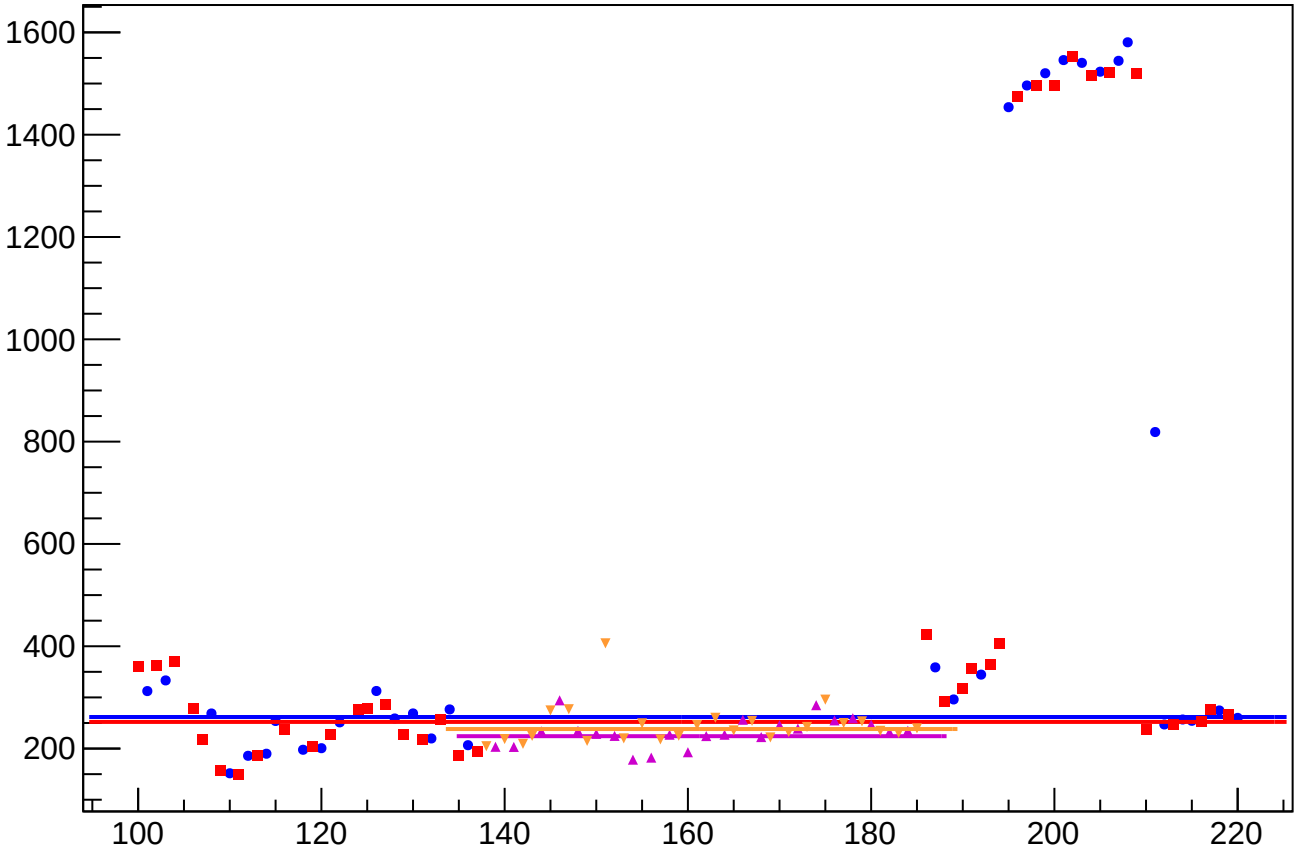
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -110.194+/-42.676 χ^2/NDF: 3962.6/57

All: -249.722+/-29.538 χ^2/NDF: 12201.6/117

- sign -378.039+/-40.926 χ^2/NDF: 8218.5/59

asym_bpm0i07WS_rms vs Slug



Right In: 261.696+/-0.048 χ^2/NDF: 11065154.4/32

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

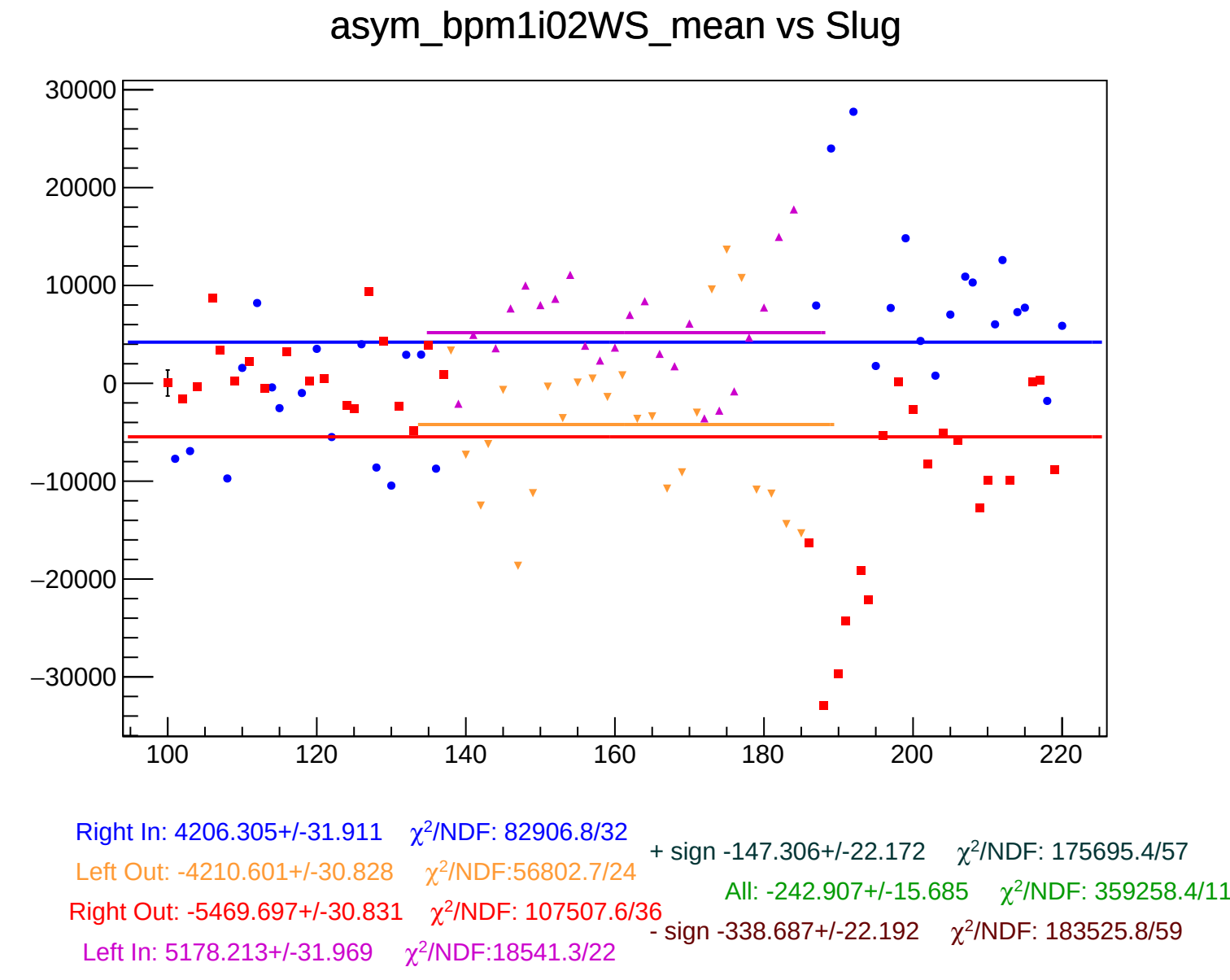
Right Out: 252.105+/-0.045 χ^2/NDF: 10550978.6/36

Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

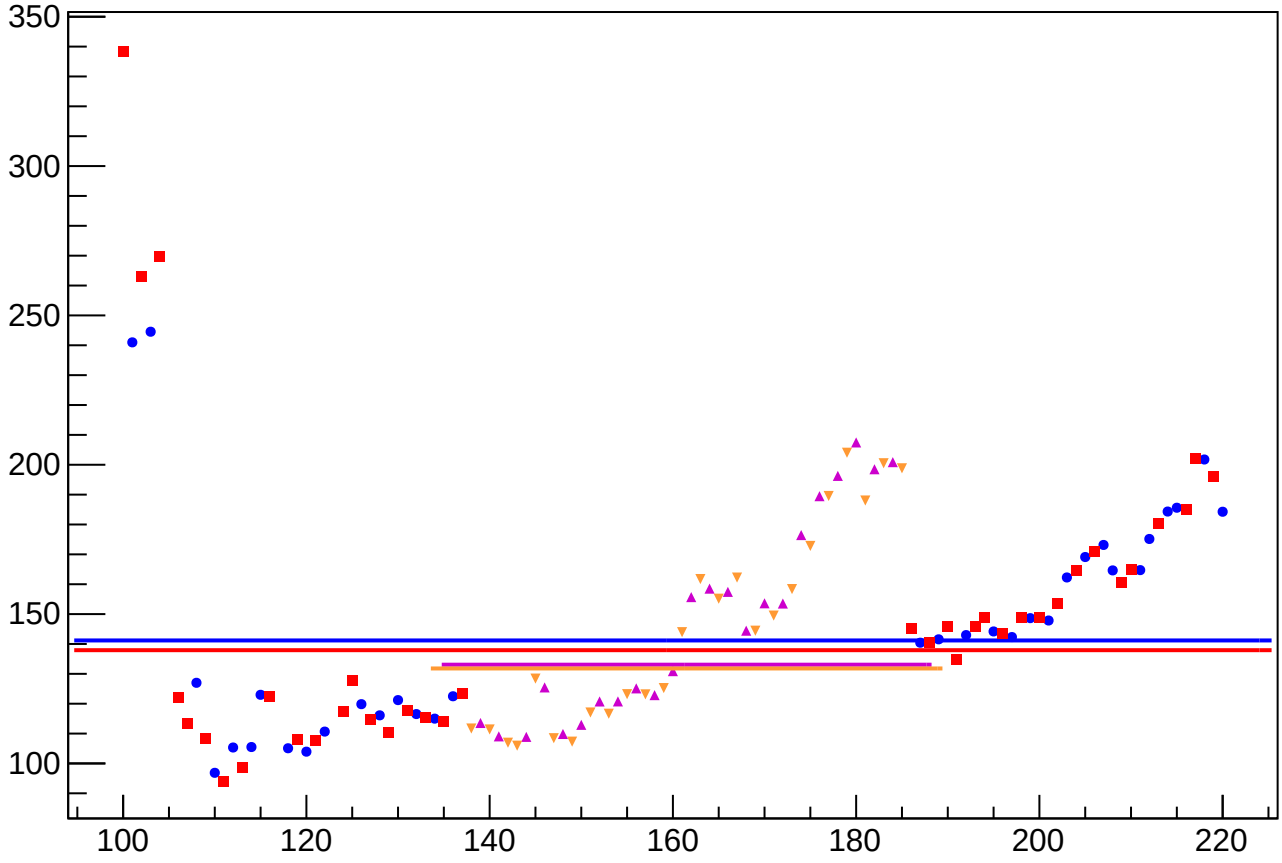
+ sign 247.545+/-0.030 χ^2/NDF: 11778320.2/57

All: 241.427+/-0.021 χ^2/NDF: 23197059.4/11

- sign 235.800+/-0.029 χ^2/NDF: 11339826.7/59


asym_bpm1i02WS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
220
Right In: 4206.305+/-31.911 χ²/NDF: 82906.8/32
Left Out: -4210.601+/-30.828 χ²/NDF:56802.7/24
Right Out: -5469.697+/-30.831 χ²/NDF: 107507.6/36
Left In: 5178.213+/-31.969 χ²/NDF:18541.3/22
+ sign -147.306+/-22.172 χ²/NDF: 175695.4/57
All: -242.907+/-15.685 χ²/NDF: 359258.4/11
- sign -338.687+/-22.192 χ²/NDF: 183525.8/59

asym_bpm1i02WS_rms vs Slug



Right In: 141.180+/-0.023 χ^2/NDF: 1931054.2/32

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 137.919+/-0.022 χ^2/NDF: 2137321.3/36

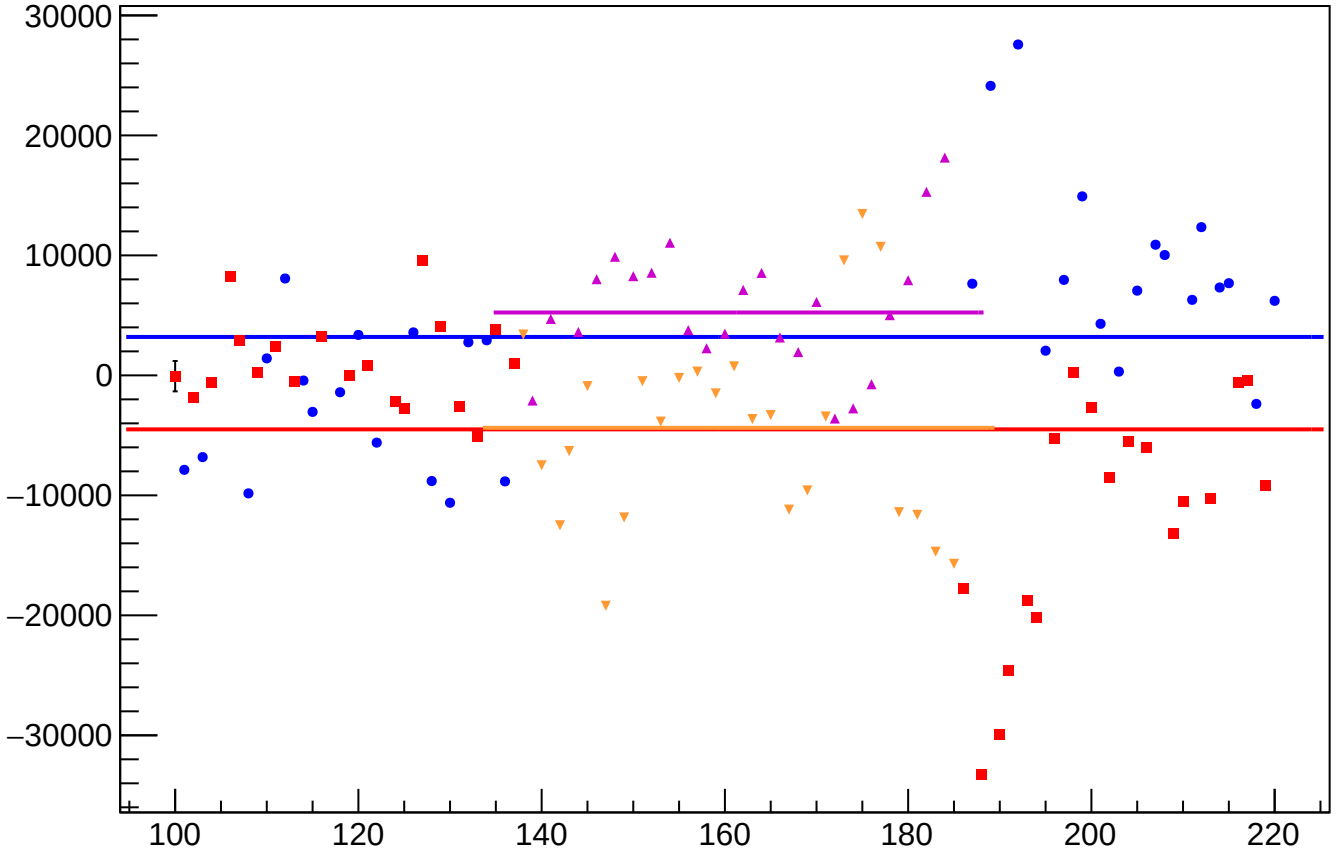
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 136.327+/-0.016 χ^2/NDF: 3564829.3/57

All: 135.953+/-0.011 χ^2/NDF: 7145467.9/117

- sign 135.578+/-0.016 χ^2/NDF: 3579498.8/59

asym_bpm1i04WS_mean vs Slug



Right In: 3202.511+/-28.857 χ^2/NDF: 93930.4/32

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -4499.953+/-27.957 χ^2/NDF: 117613.1/36

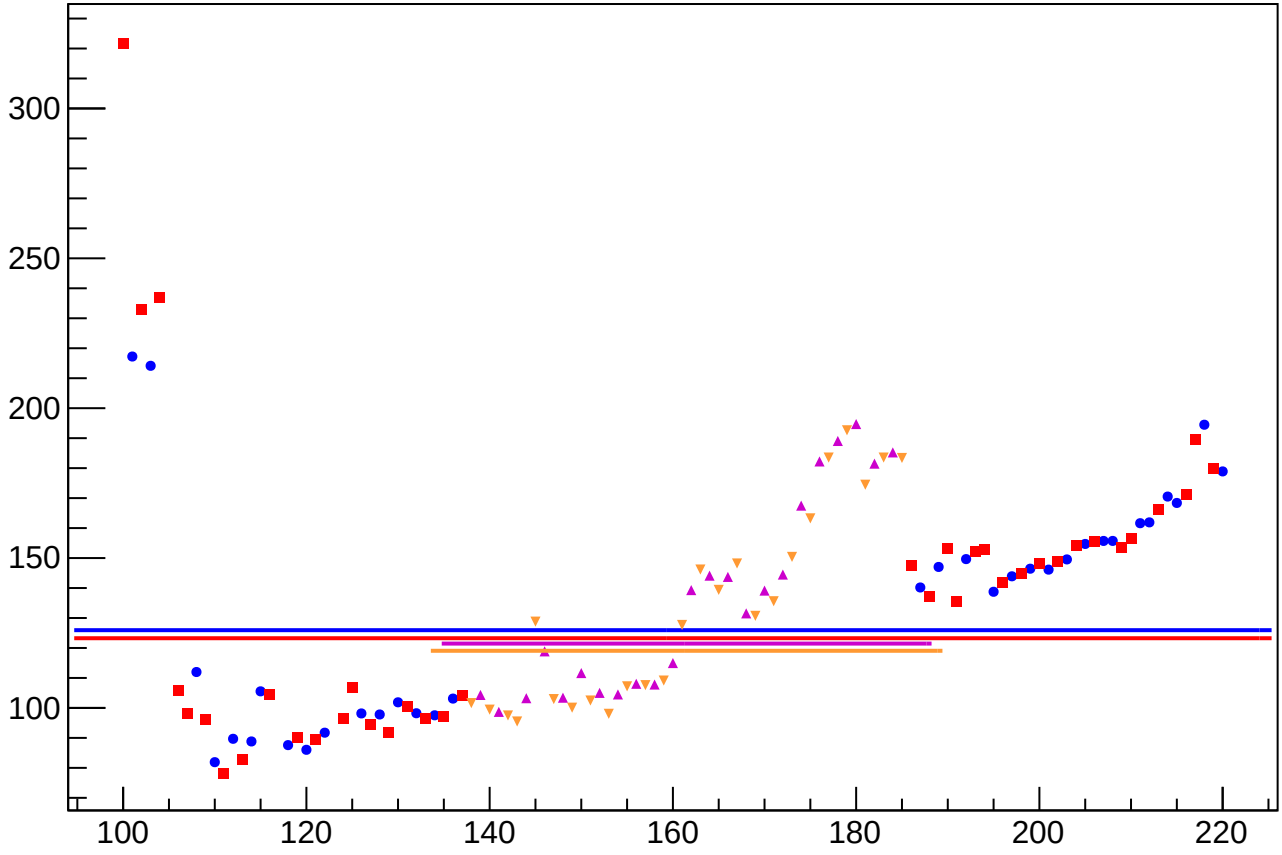
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -705.326+/-20.079 χ^2/NDF: 196698.2/57

All: -280.665+/-14.244 χ^2/NDF: 395425.3/11

- sign 149.603+/-20.211 χ^2/NDF: 197826.6/59

asym_bpm1i04WS_rms vs Slug



Right In: 125.940+/-0.020 χ^2/NDF: 2856423.6/32

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

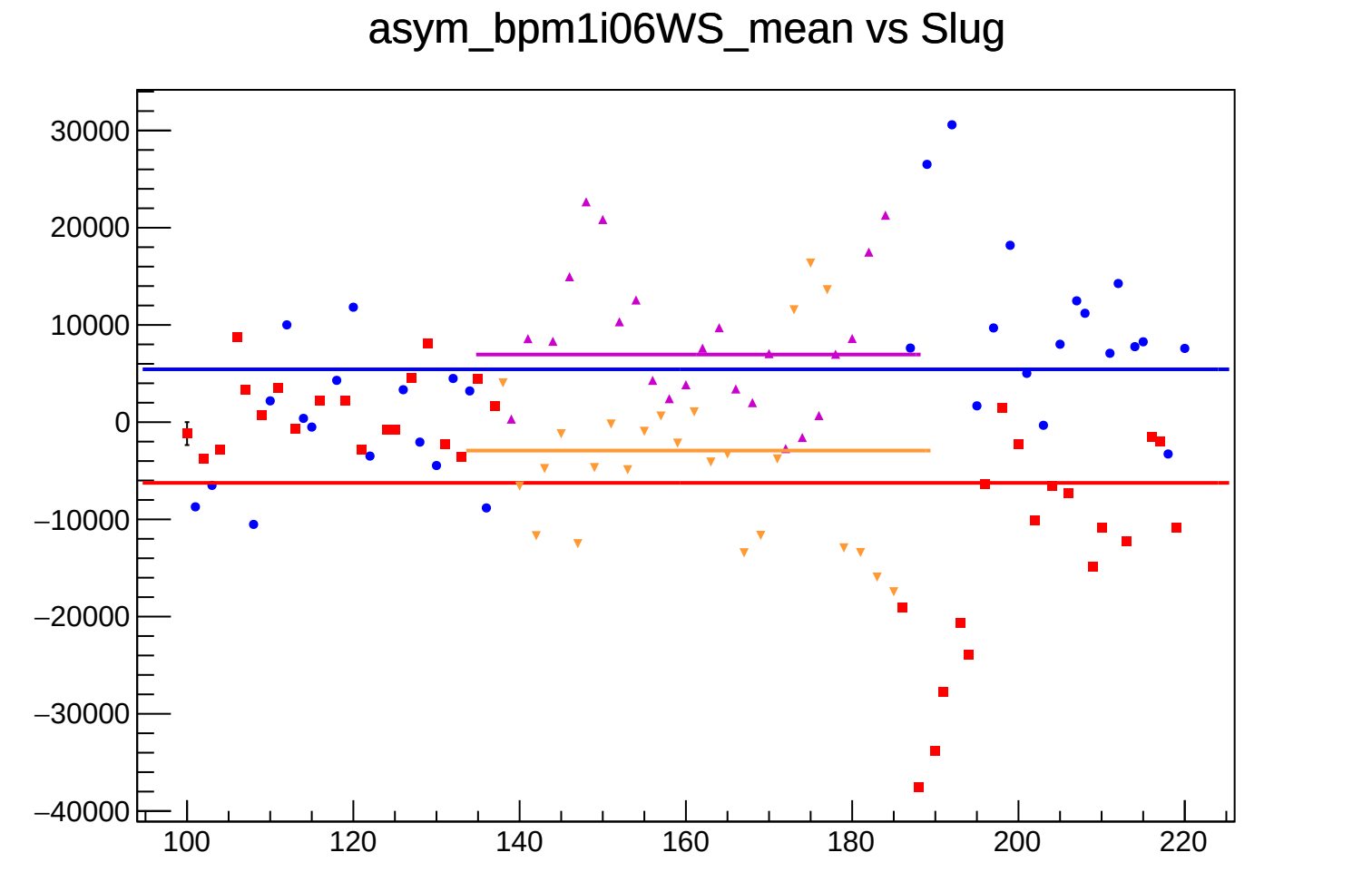
Right Out: 123.252+/-0.020 χ^2/NDF: 3129638.5/36

Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

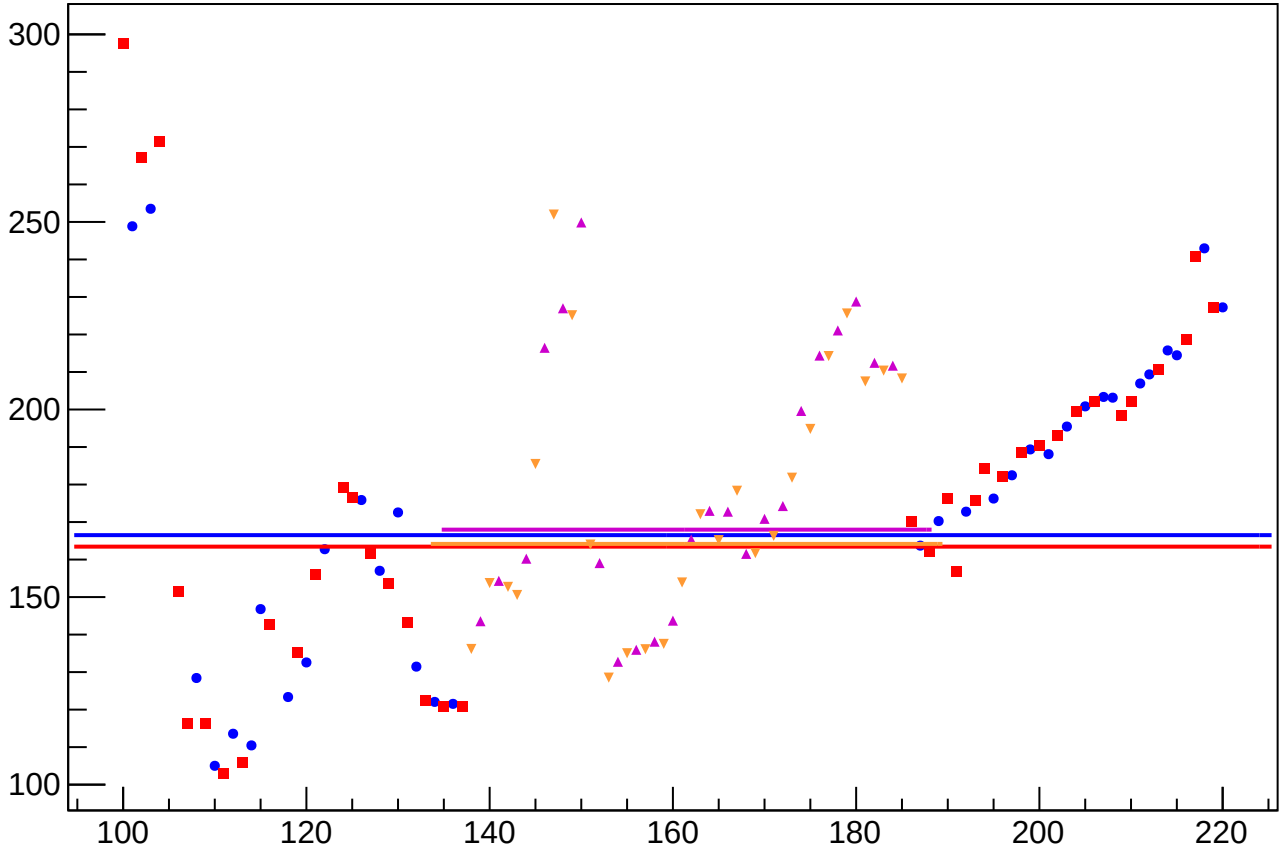
+ sign 122.393+/-0.014 χ^2/NDF: 4670423.1/57

All: 122.397+/-0.010 χ^2/NDF: 9333329.8/117

- sign 122.400+/-0.014 χ^2/NDF: 4662906.5/59


asym_bpm1i06WS_mean vs Slug
30000
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
220
Right In: 5437.729+/-37.720 χ²/NDF: 66274.2/32
Left Out: -2923.060+/-38.185 χ²/NDF:38052.4/24
Right Out: -6245.901+/-36.622 χ²/NDF: 96419.2/36
Left In: 6956.884+/-40.245 χ²/NDF:22339.0/22
+ sign 1308.496+/-26.835 χ²/NDF: 128590.7/57
All: 528.898+/-19.063 χ²/NDF: 307925.4/117
- sign -265.365+/-27.086 χ²/NDF: 177630.9/59

asym_bpm1i06WS_rms vs Slug



Right In: 166.512+/-0.027 χ^2/NDF: 2313648.1/32

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 163.446+/-0.026 χ^2/NDF: 2440322.0/36

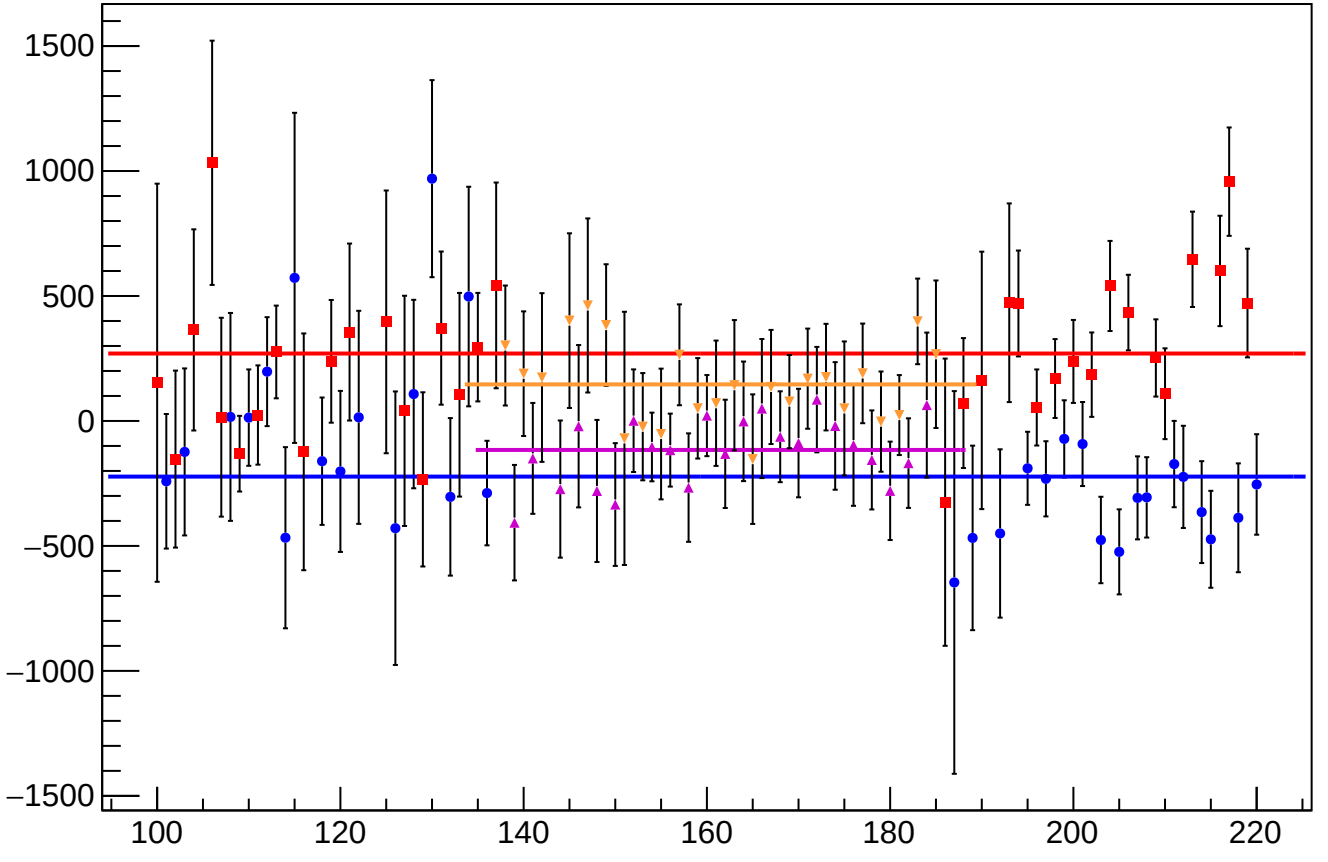
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 165.356+/-0.019 χ^2/NDF: 3541852.9/57

All: 165.426+/-0.013 χ^2/NDF: 7218803.6/117

- sign 165.498+/-0.019 χ^2/NDF: 3676923.3/59

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -222.632+/-39.076 χ^2/NDF: 32.3/32

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 269.803+/-39.055 χ^2/NDF: 43.6/34

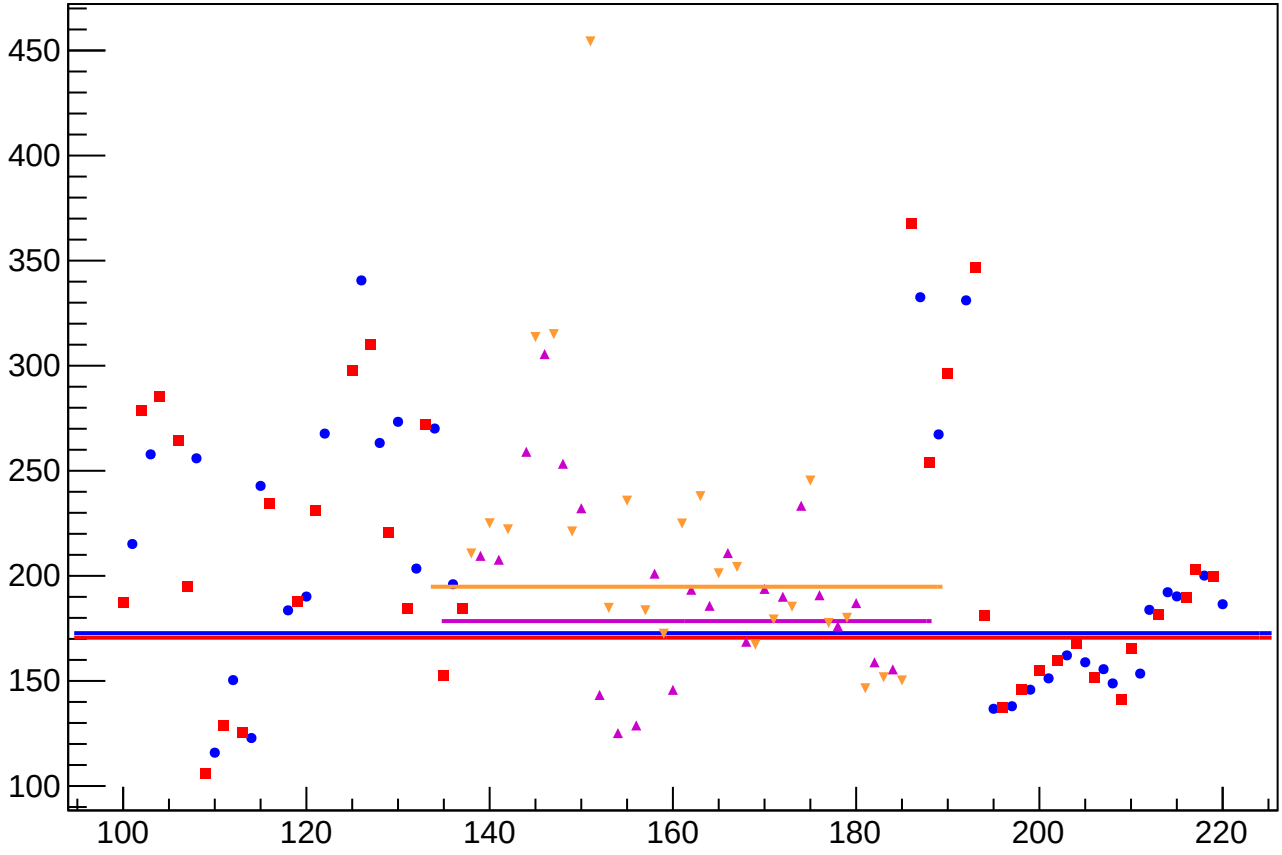
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

+ sign -71.551+/-30.029 χ^2/NDF: 78.7/56

All: 15.953+/-20.895 χ^2/NDF: 189.9/114

- sign 98.081+/-29.092 χ^2/NDF: 94.7/57

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 172.741+/-0.028 χ^2/NDF: 2374190.2/32

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 170.576+/-0.028 χ^2/NDF: 2929160.8/34

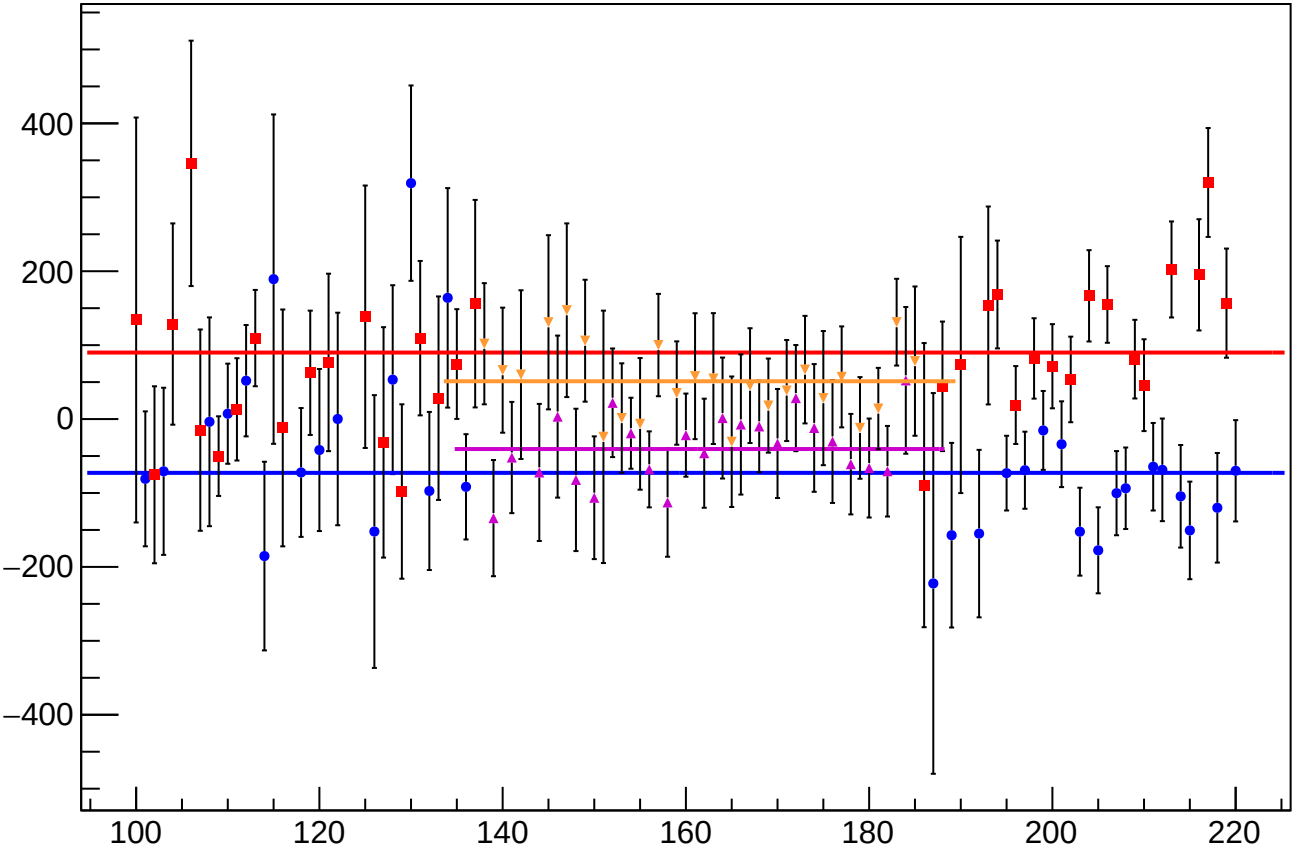
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 181.785+/-0.021 χ^2/NDF: 4388297.8/56

All: 177.817+/-0.015 χ^2/NDF: 9097852.4/114

- sign 174.092+/-0.021 χ^2/NDF: 4641849.9/57

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -72.759+/-13.398 χ^2/NDF: 29.9/32

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 89.989+/-13.416 χ^2/NDF: 41.4/34

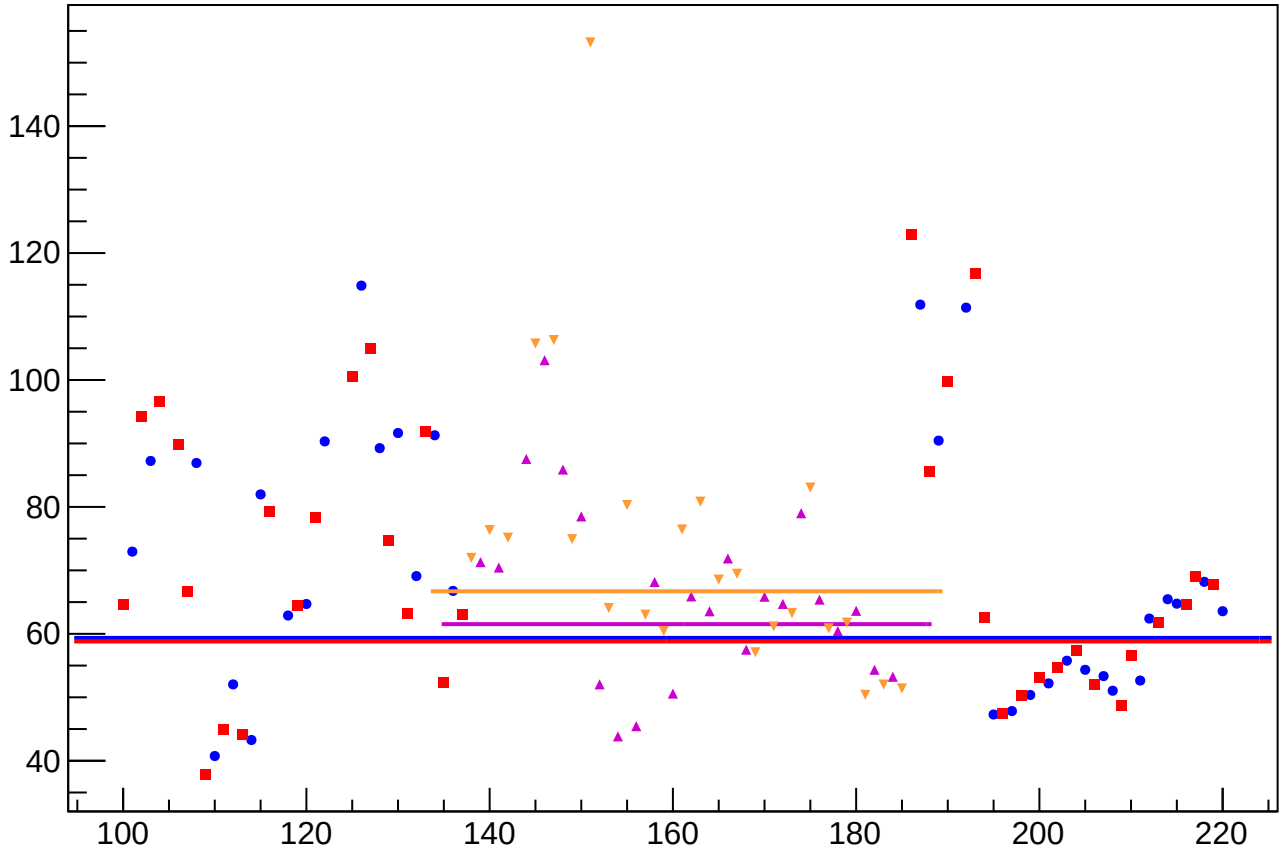
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

\+ sign -21.821+/-10.282 χ^2/NDF: 73.2/56

All: 5.794+/-7.166 χ^2/NDF: 178.5/114

\- sign 31.880+/-9.993 χ^2/NDF: 91.4/57

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 59.361+/-0.009 χ^2/NDF: 2218830.2/32

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 58.798+/-0.009 χ^2/NDF: 2714046.1/34

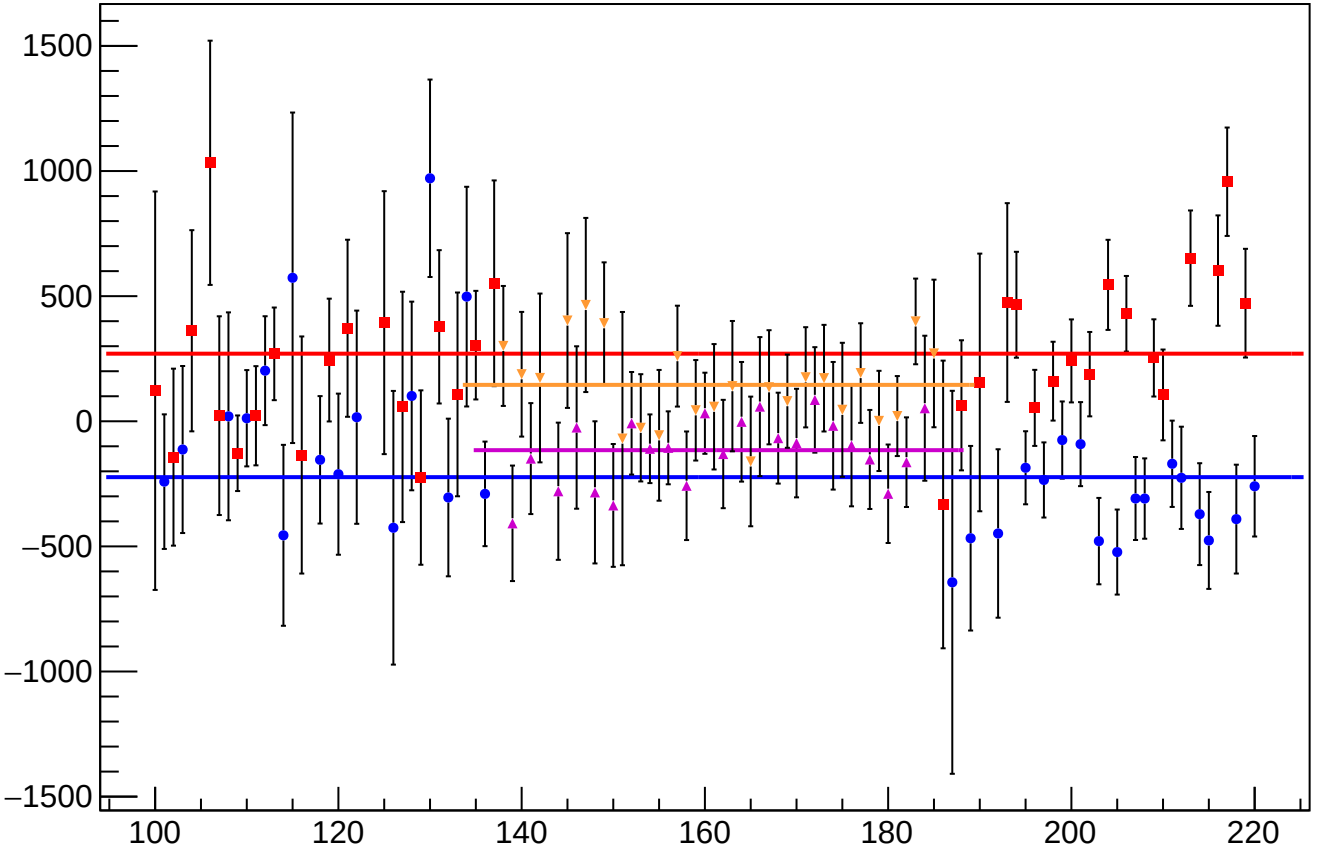
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 62.379+/-0.007 χ^2/NDF: 4142066.5/56

All: 61.163+/-0.005 χ^2/NDF: 8437242.1/114

- sign 60.014+/-0.007 χ^2/NDF: 4240770.8/57

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -223.285+/-39.027 χ^2/NDF: 32.6/32

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 270.151+/-39.007 χ^2/NDF: 43.8/34

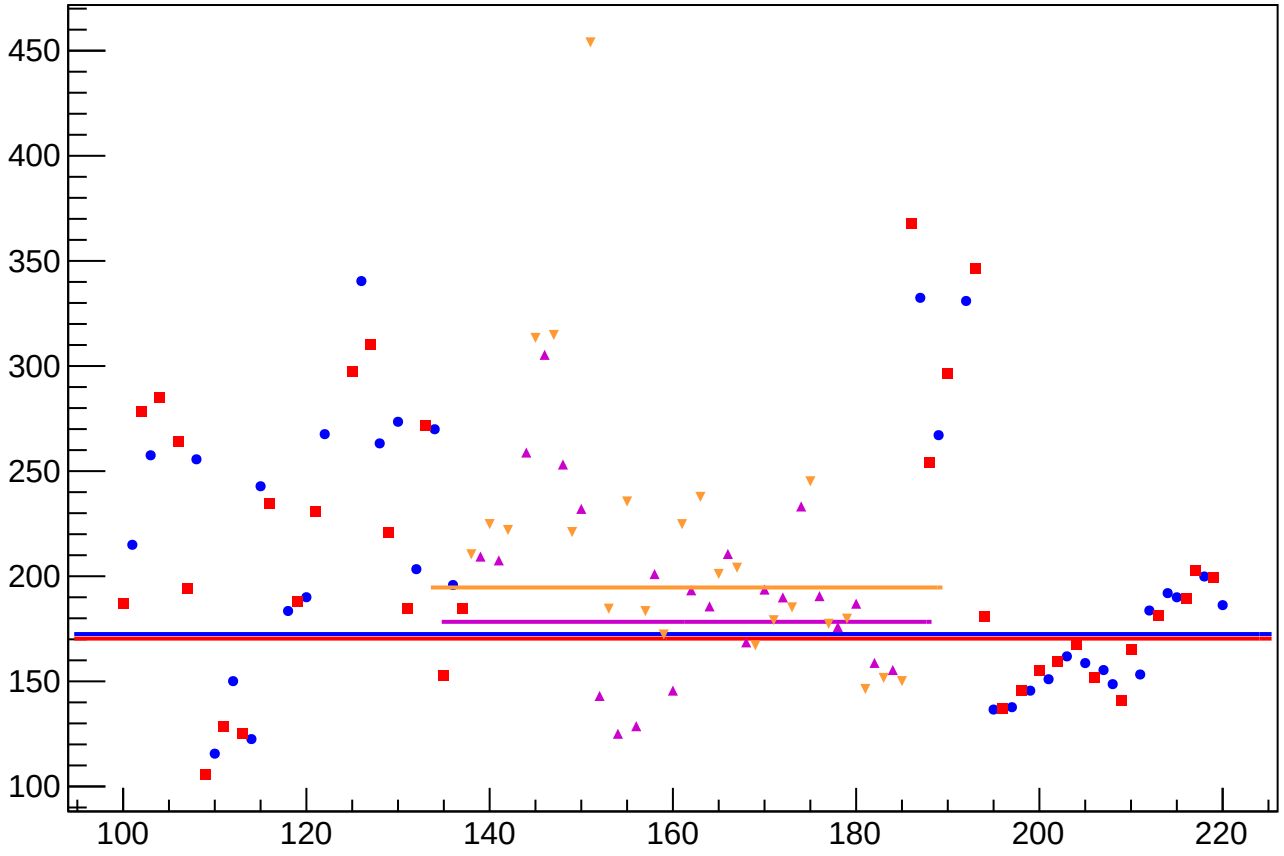
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign -72.368+/-29.996 χ^2/NDF: 79.3/56

All: 15.807+/-20.872 χ^2/NDF: 191.2/114

- sign 98.570+/-29.061 χ^2/NDF: 95.1/57

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 172.508+/-0.028 χ^2/NDF: 2380841.3/32

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 170.342+/-0.028 χ^2/NDF: 2937931.6/34

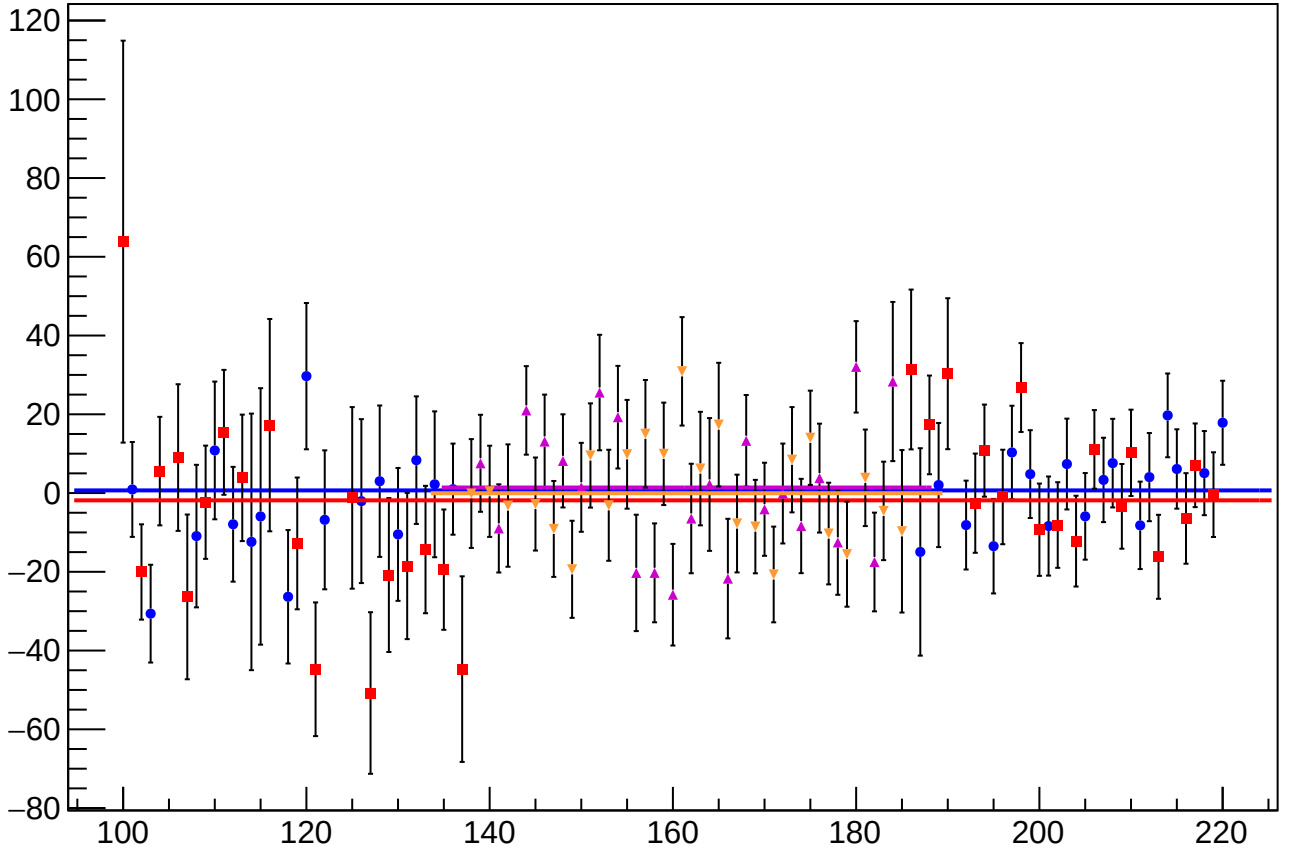
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

\+ sign 181.573+/-0.021 χ^2/NDF: 4397649.5/56

All: 177.610+/-0.015 χ^2/NDF: 9118801.4/114

\- sign 173.891+/-0.021 χ^2/NDF: 4653475.4/57

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: 0.674+/-2.325 χ^2/NDF: 25.3/32

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -1.851+/-2.341 χ^2/NDF: 49.8/34

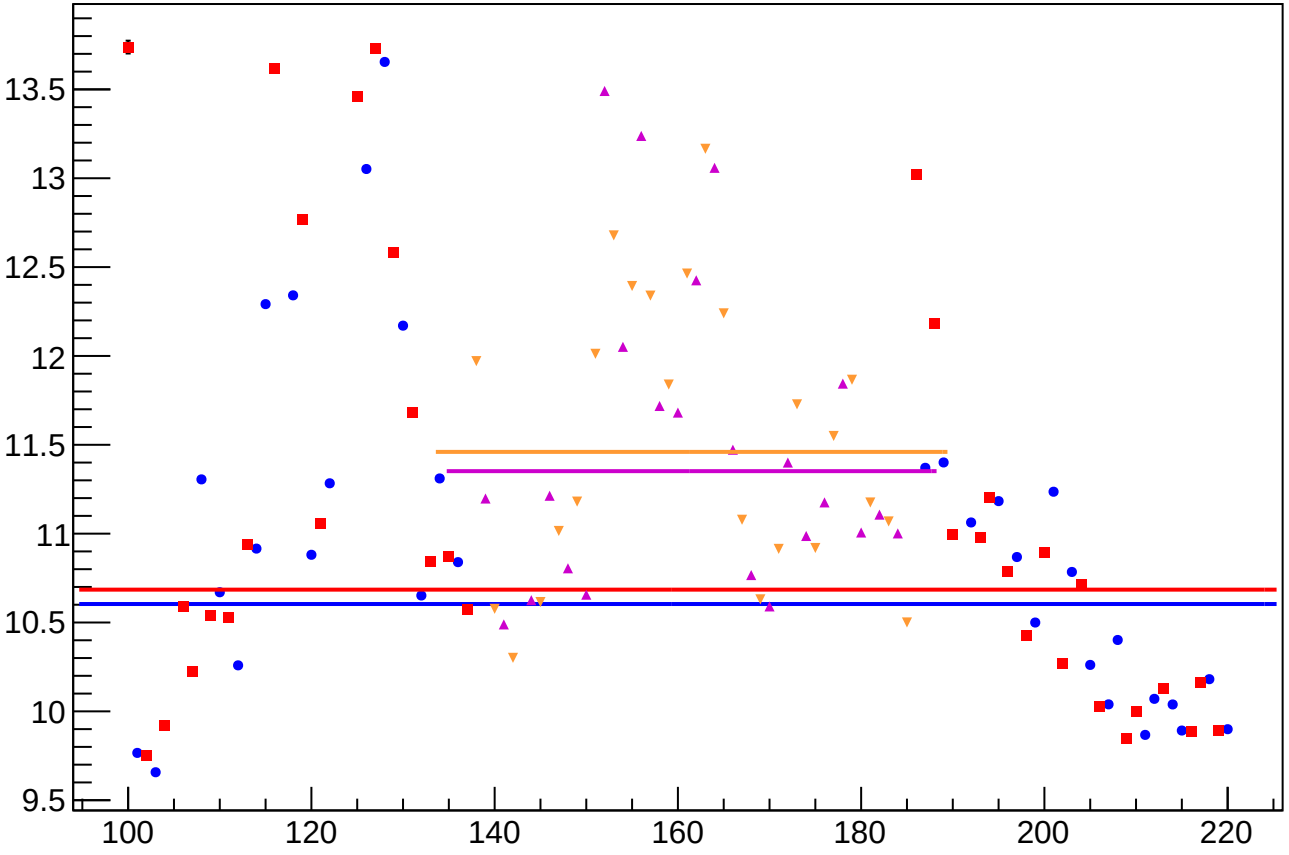
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign 0.365+/-1.758 χ^2/NDF: 45.8/56

All: -0.035+/-1.244 χ^2/NDF: 132.9/114

- sign -0.437+/-1.761 χ^2/NDF: 87.0/57

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.604+/-0.002 χ^2/NDF: 224875.1/32

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.685+/-0.002 χ^2/NDF: 306057.9/34

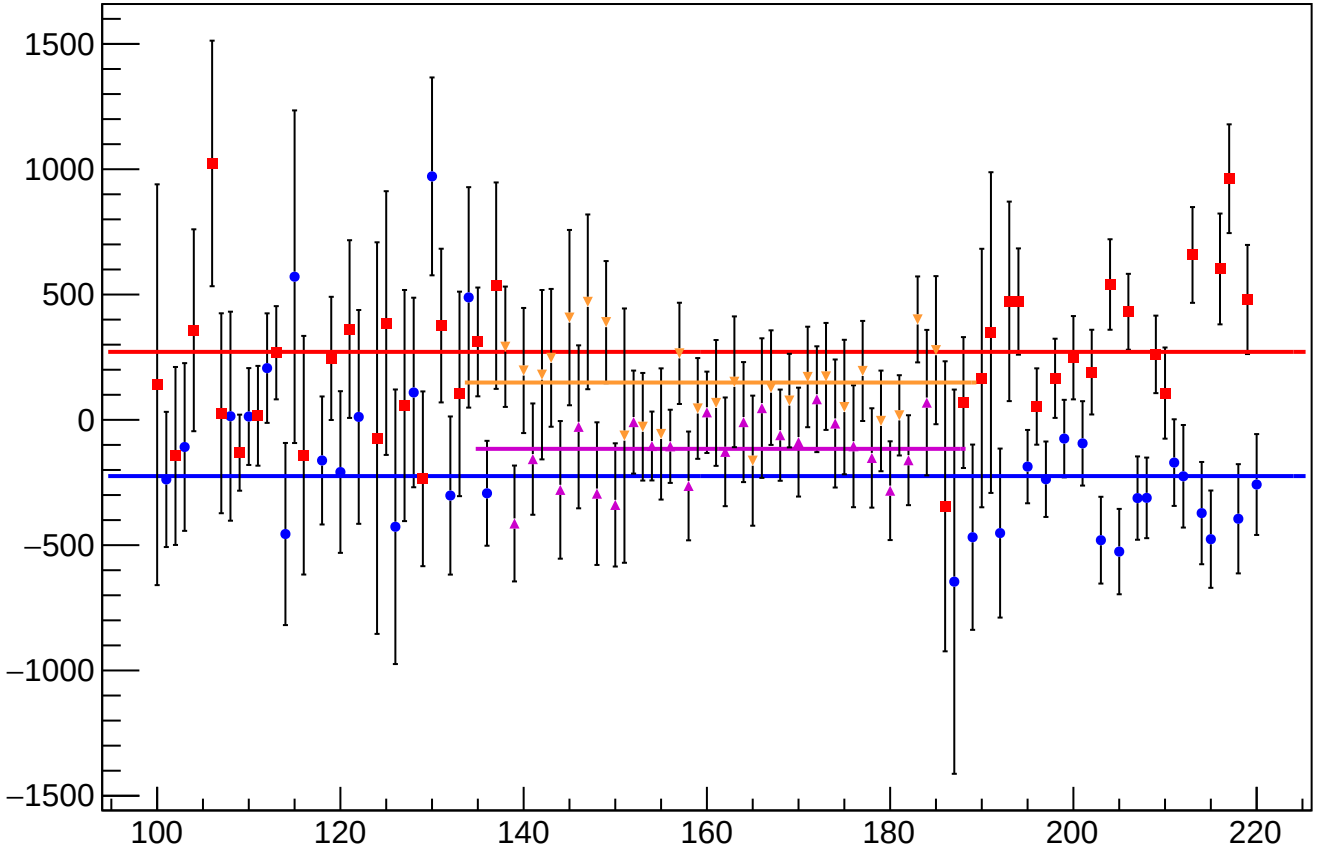
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 10.971+/-0.001 χ^2/NDF: 491506.0/56

All: 10.973+/-0.001 χ^2/NDF: 1038544.5/114

- sign 10.974+/-0.001 χ^2/NDF: 547034.8/57

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -224.383+/-39.124 χ^2/NDF: 32.6/32

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 271.248+/-38.988 χ^2/NDF: 44.2/36

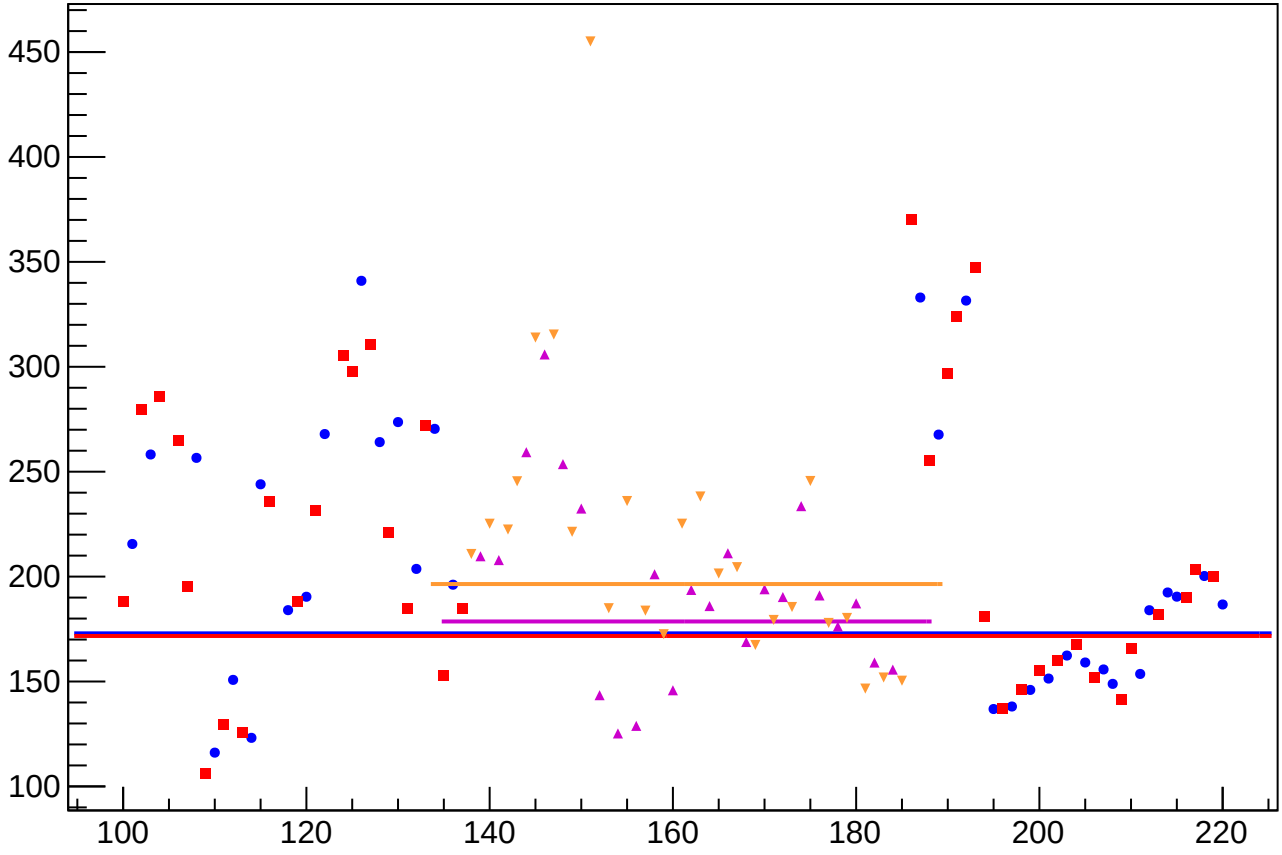
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign -68.902+/-29.885 χ^2/NDF: 81.0/57

All: 17.606+/-20.840 χ^2/NDF: 193.0/117

- sign 99.489+/-29.075 χ^2/NDF: 95.7/59

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 172.947+/-0.028 χ^2/NDF: 2375821.4/32

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 171.702+/-0.028 χ^2/NDF: 3107446.0/36

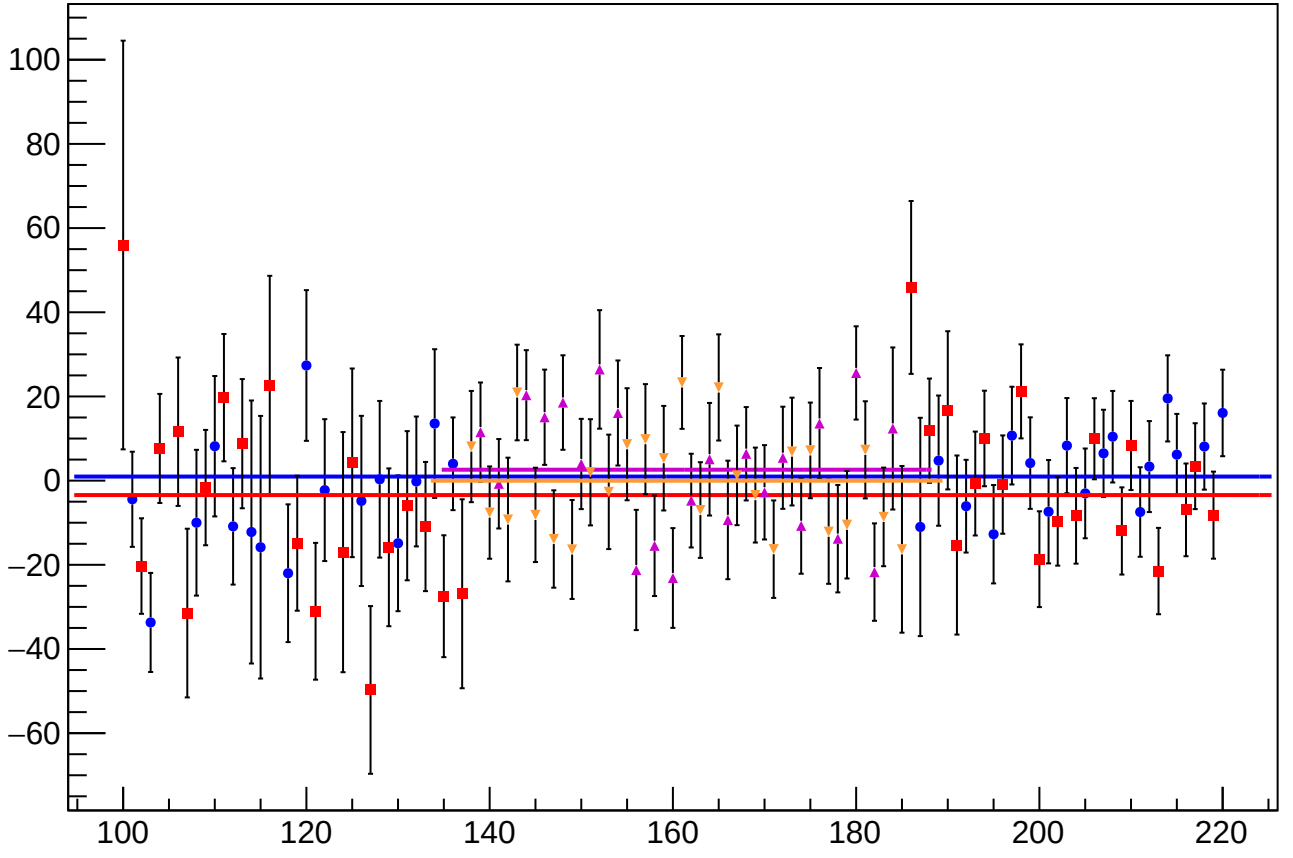
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 182.738+/-0.021 χ^2/NDF: 4495298.6/57

All: 178.645+/-0.015 χ^2/NDF: 9382542.2/117

- sign 174.770+/-0.021 χ^2/NDF: 4814203.6/59

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: 0.968+/-2.241 χ^2/NDF: 28.3/32

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -3.428+/-2.238 χ^2/NDF: 50.0/36

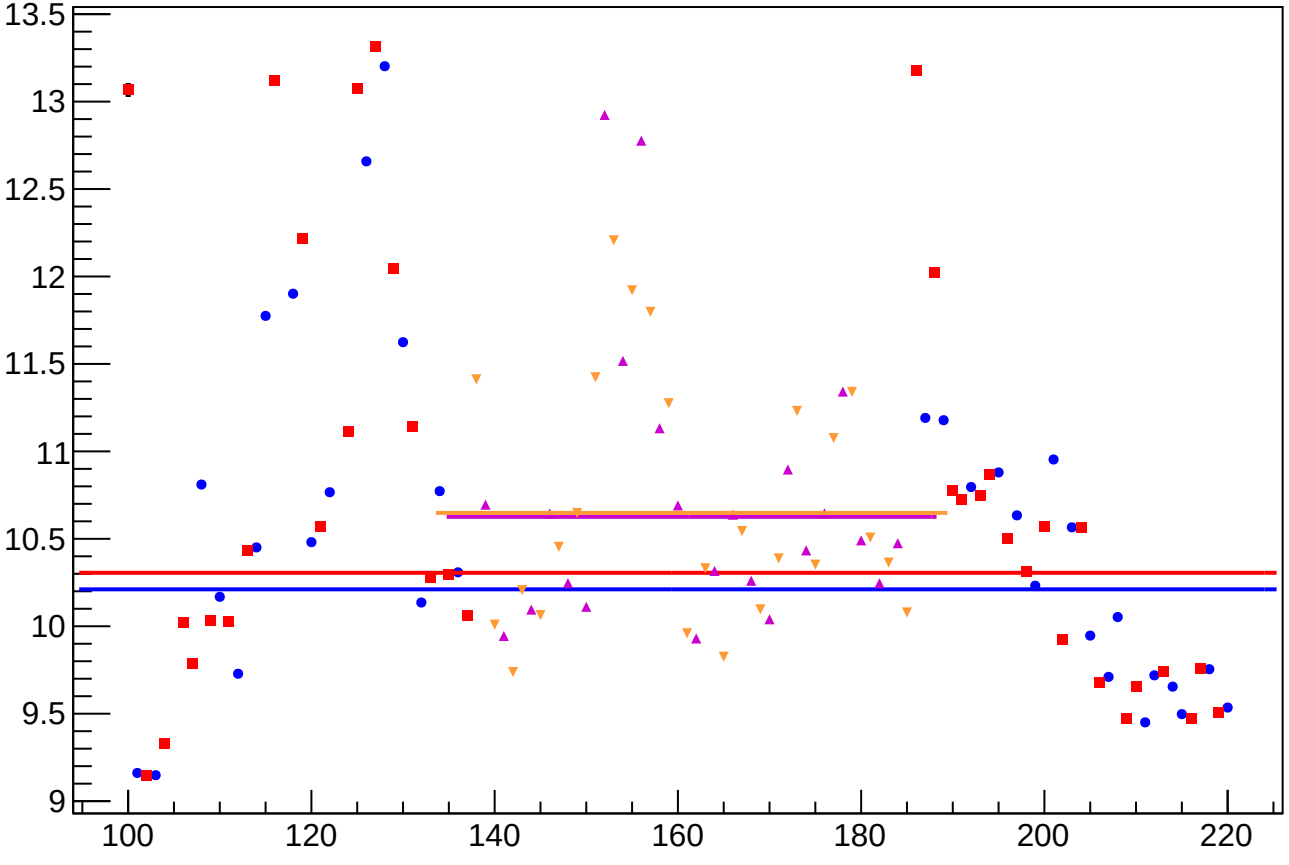
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign 0.518+/-1.652 χ^2/NDF: 52.2/57

All: -0.113+/-1.174 χ^2/NDF: 140.4/117

- sign -0.757+/-1.669 χ^2/NDF: 87.9/59

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.211+/-0.002 χ^2/NDF: 250948.3/32

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.306+/-0.002 χ^2/NDF: 351007.5/36

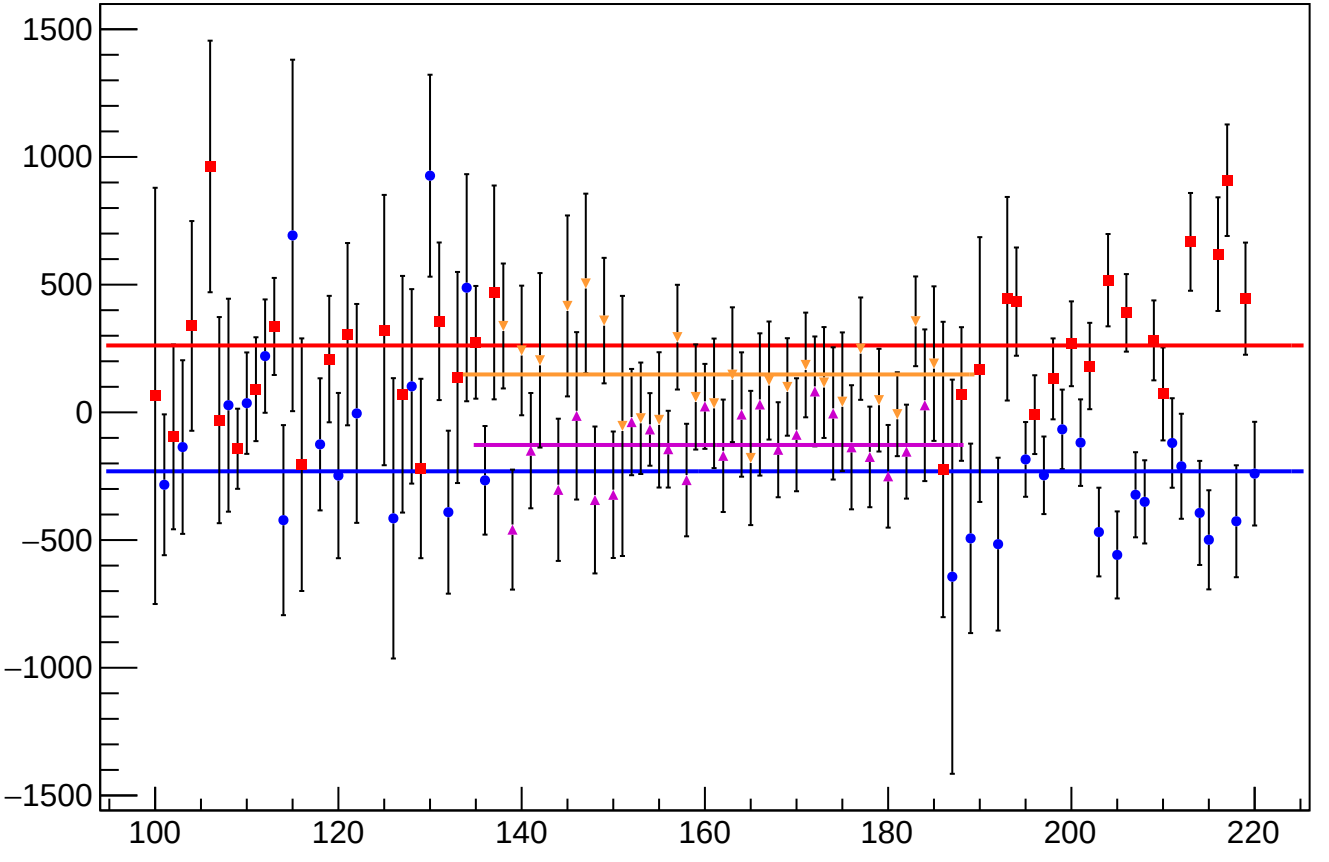
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.411+/-0.001 χ^2/NDF: 429236.1/57

All: 10.429+/-0.001 χ^2/NDF: 958414.6/117

- sign 10.448+/-0.001 χ^2/NDF: 528680.6/59

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -230.840+/-39.428 χ^2/NDF: 34.6/32

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 261.932+/-39.458 χ^2/NDF: 41.1/34

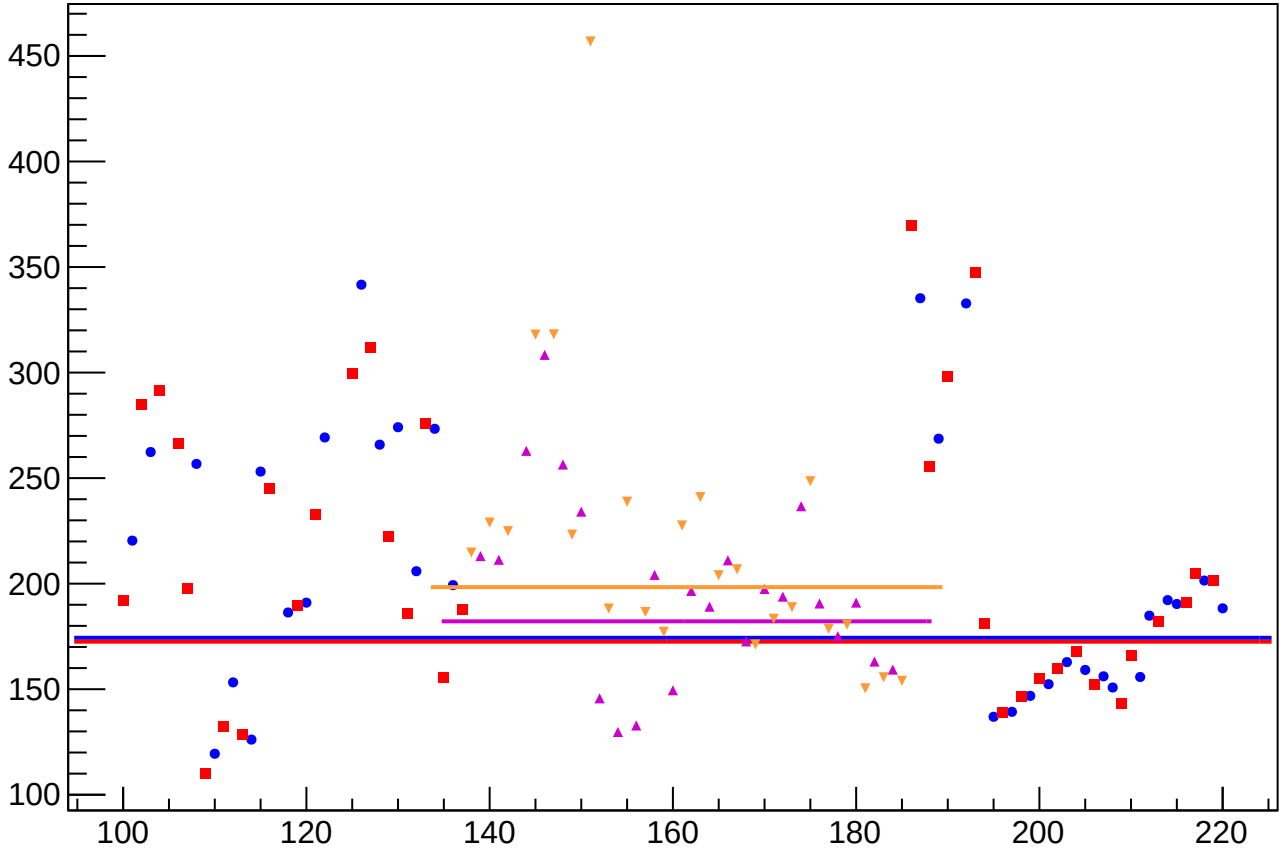
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign -76.967+/-30.395 χ^2/NDF: 82.0/56

All: 9.061+/-21.170 χ^2/NDF: 189.5/114

- sign 90.107+/-29.502 χ^2/NDF: 91.9/57

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 174.352+/-0.028 χ^2/NDF: 2356987.8/32

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 172.518+/-0.028 χ^2/NDF: 2866746.7/34

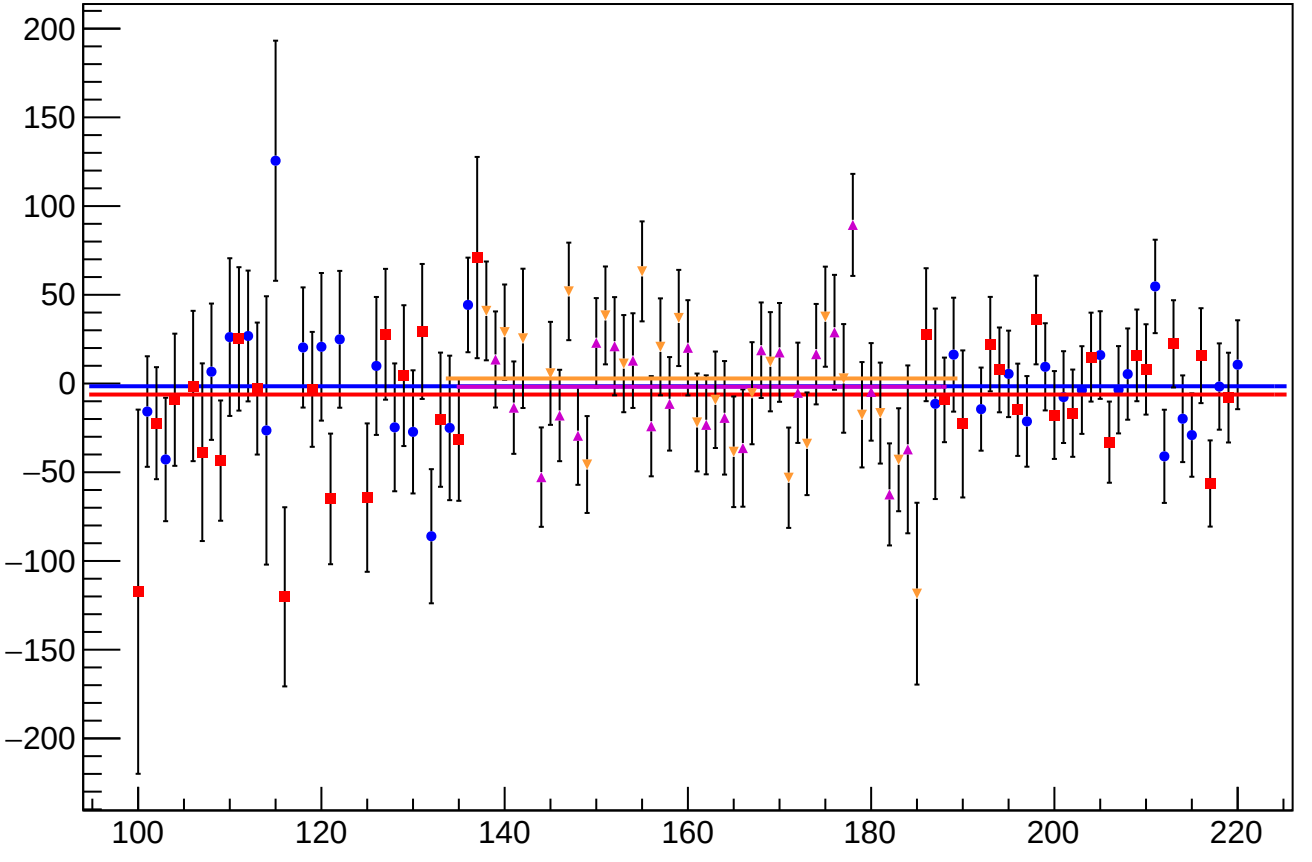
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 184.088+/-0.021 χ^2/NDF: 4354679.5/56

All: 180.318+/-0.015 χ^2/NDF: 8918104.7/114

- sign 176.766+/-0.021 χ^2/NDF: 4503657.0/57

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -1.542+/-5.207 χ^2/NDF: 28.0/32

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -6.205+/-5.200 χ^2/NDF: 32.8/34

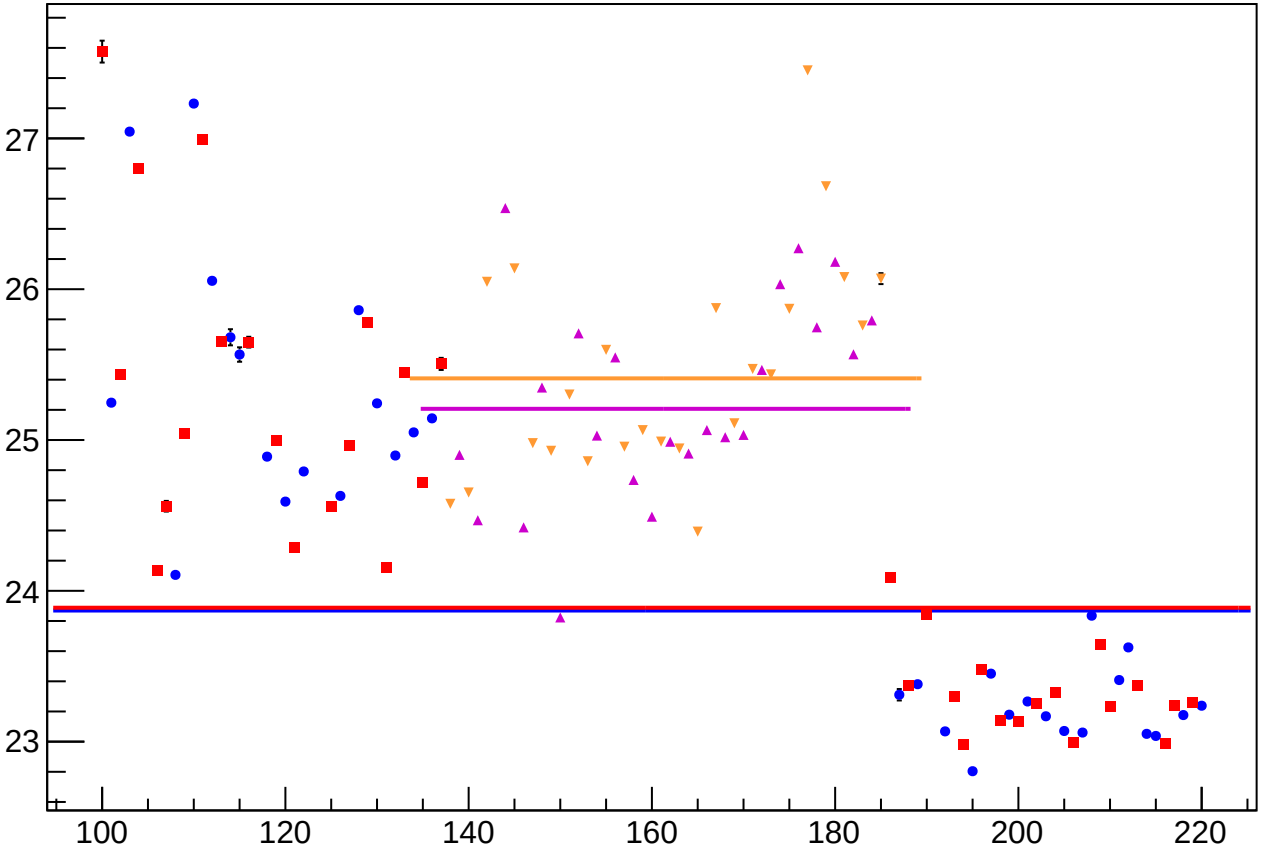
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 0.380+/-3.905 χ^2/NDF: 65.2/56

All: -1.963+/-2.759 χ^2/NDF: 127.1/114

- sign -4.298+/-3.899 χ^2/NDF: 61.2/57

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 23.869+/-0.004 χ^2/NDF: 87196.7/32

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 23.888+/-0.004 χ^2/NDF: 78410.4/34

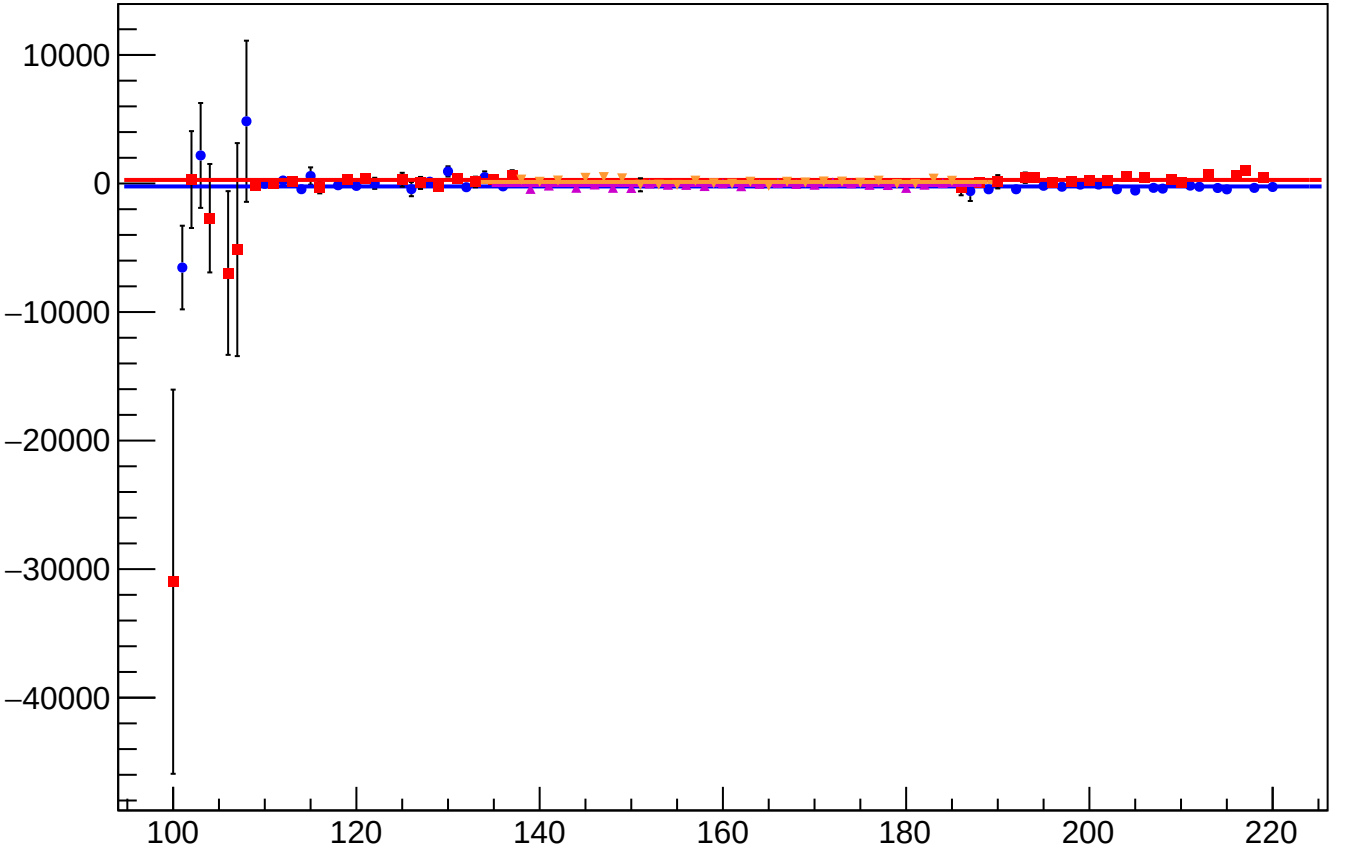
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.543+/-0.003 χ^2/NDF: 190525.7/56

All: 24.504+/-0.002 χ^2/NDF: 351482.6/114

- sign 24.465+/-0.003 χ^2/NDF: 160561.7/57

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -229.208+/-40.865 χ^2/NDF: 36.0/32

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 277.772+/-41.370 χ^2/NDF: 47.2/34

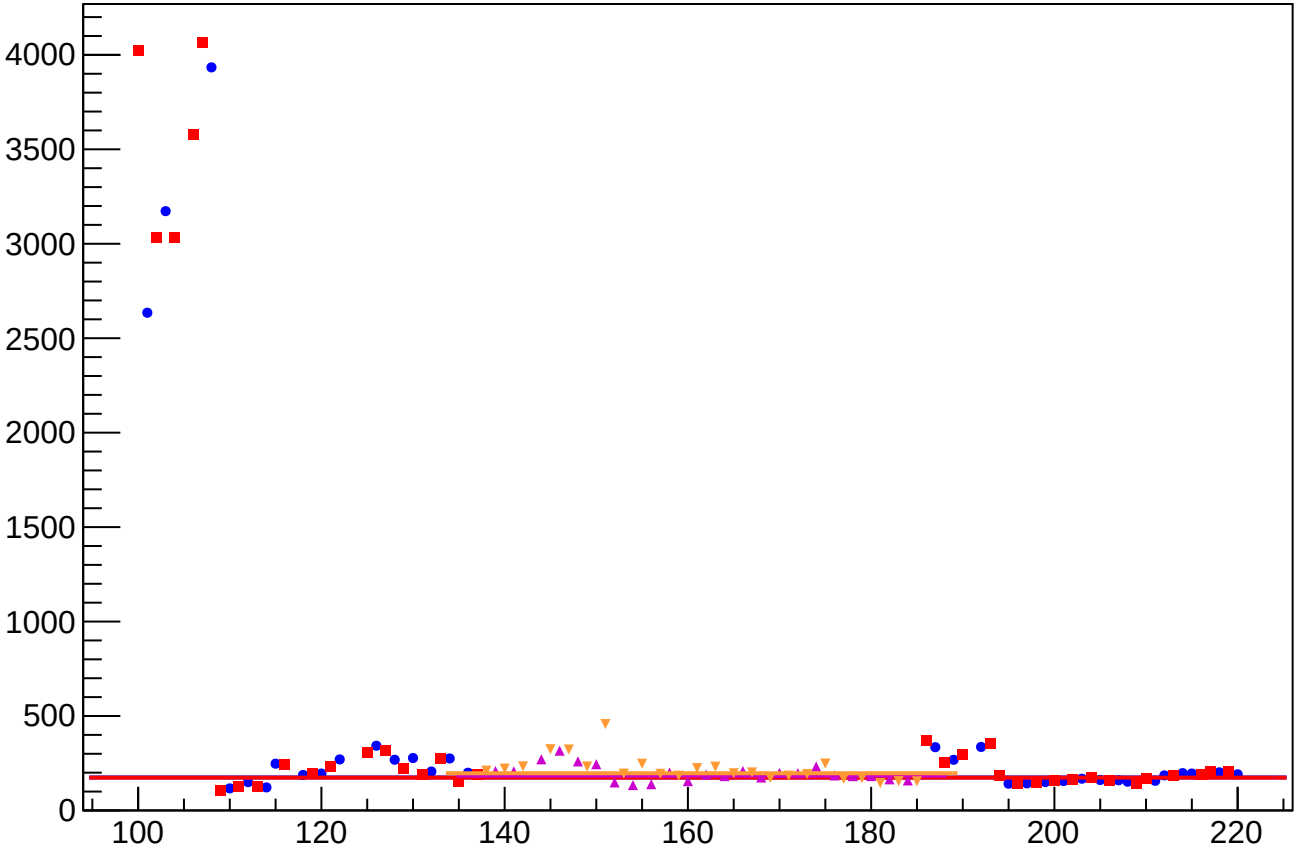
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -80.367+/-30.962 χ^2/NDF: 79.0/56

All: 9.649+/-21.688 χ^2/NDF: 193.0/114

- sign 96.365+/-30.389 χ^2/NDF: 97.4/57

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 174.694+/-0.029 χ^2/NDF: 4997331.3/32

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 173.722+/-0.029 χ^2/NDF: 5544659.3/34

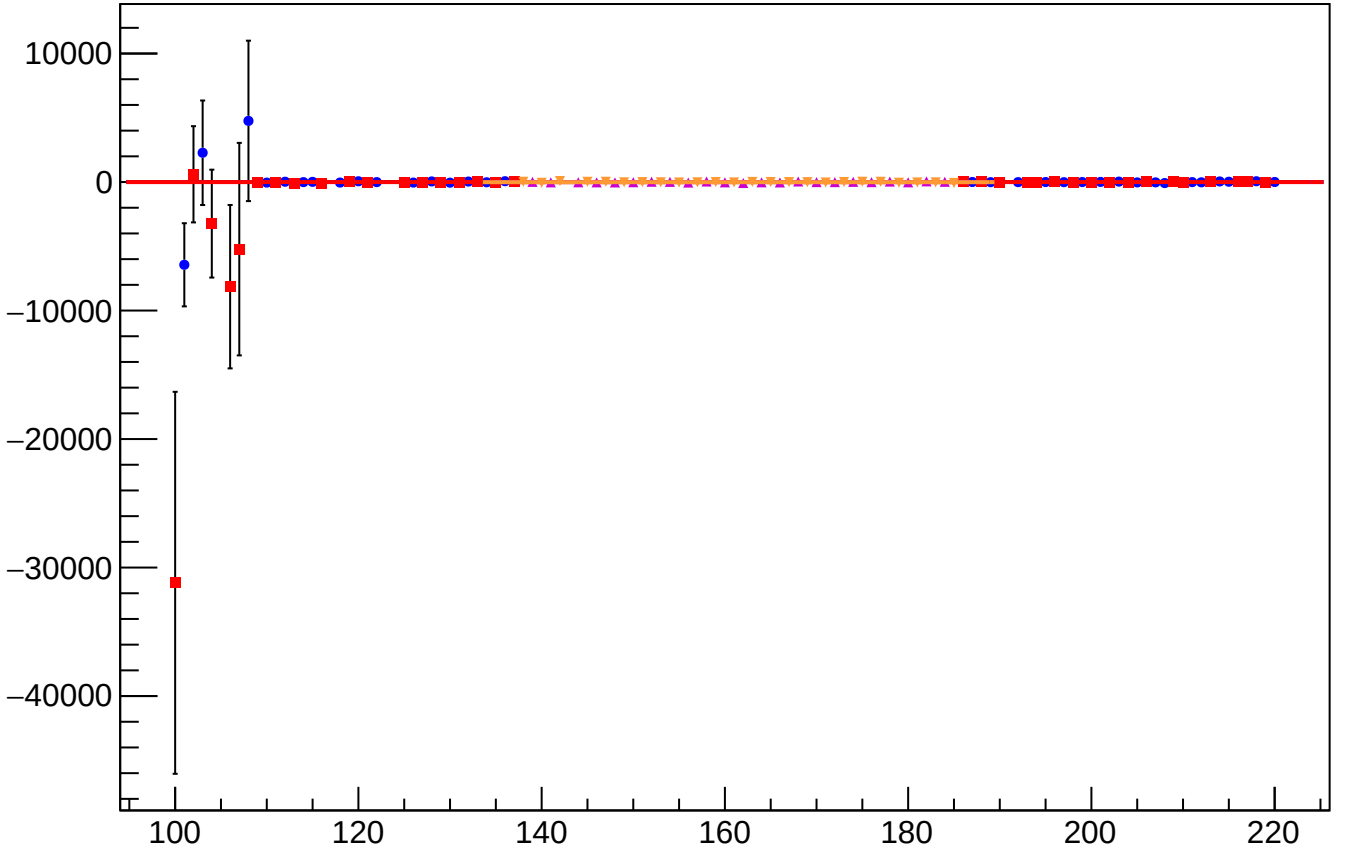
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 184.167+/-0.022 χ^2/NDF: 7058956.7/56

All: 181.269+/-0.015 χ^2/NDF: 14140852.5/11

- sign 178.477+/-0.021 χ^2/NDF: 7047490.3/57

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 1.836+/-6.178 χ^2/NDF: 38.2/32

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -2.645+/-6.269 χ^2/NDF: 40.9/34

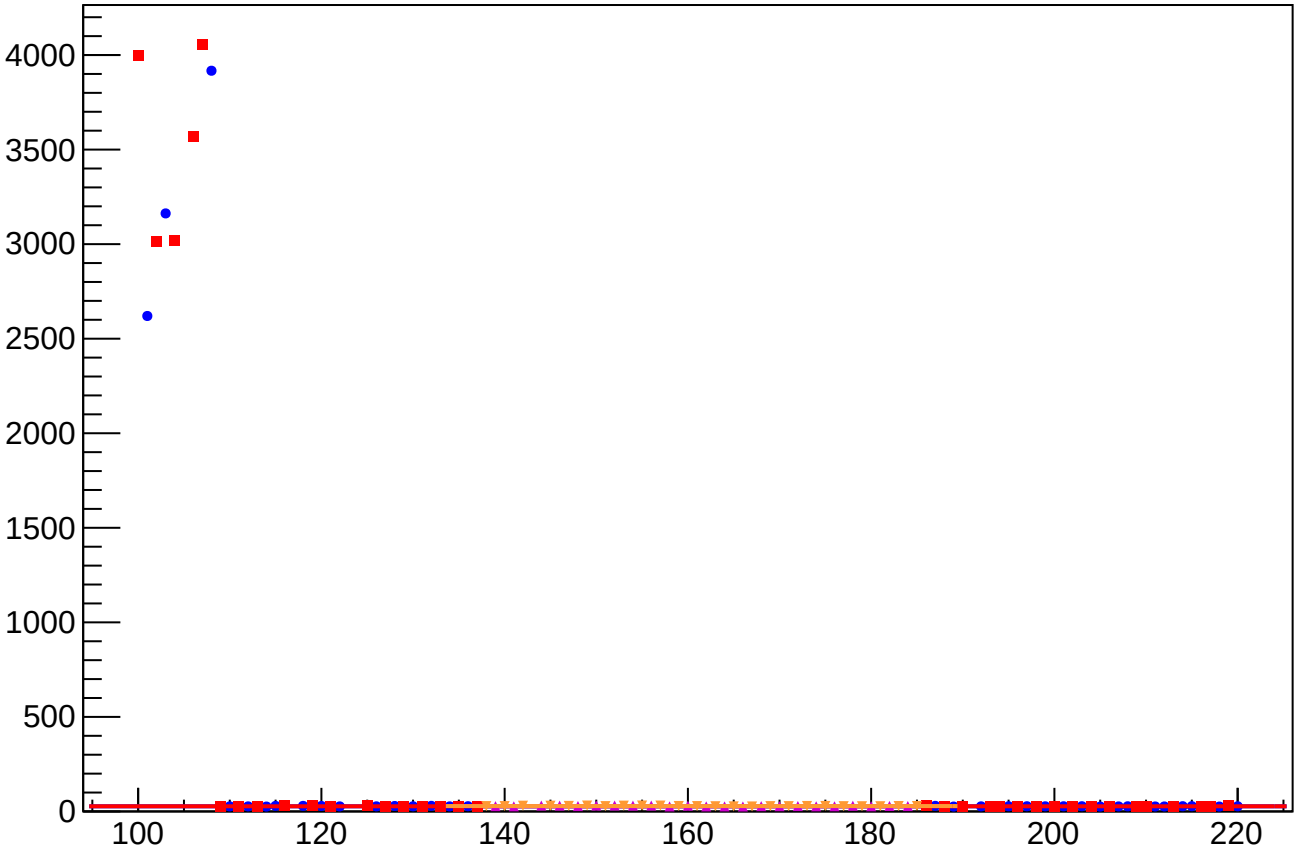
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -4.159+/-4.527 χ^2/NDF: 57.7/56

All: -3.396+/-3.222 χ^2/NDF: 120.8/114

- sign -2.613+/-4.588 χ^2/NDF: 63.1/57

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.201+/-0.004 χ^2/NDF: 3295488.7/32

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.322+/-0.004 χ^2/NDF: 3625054.1/34

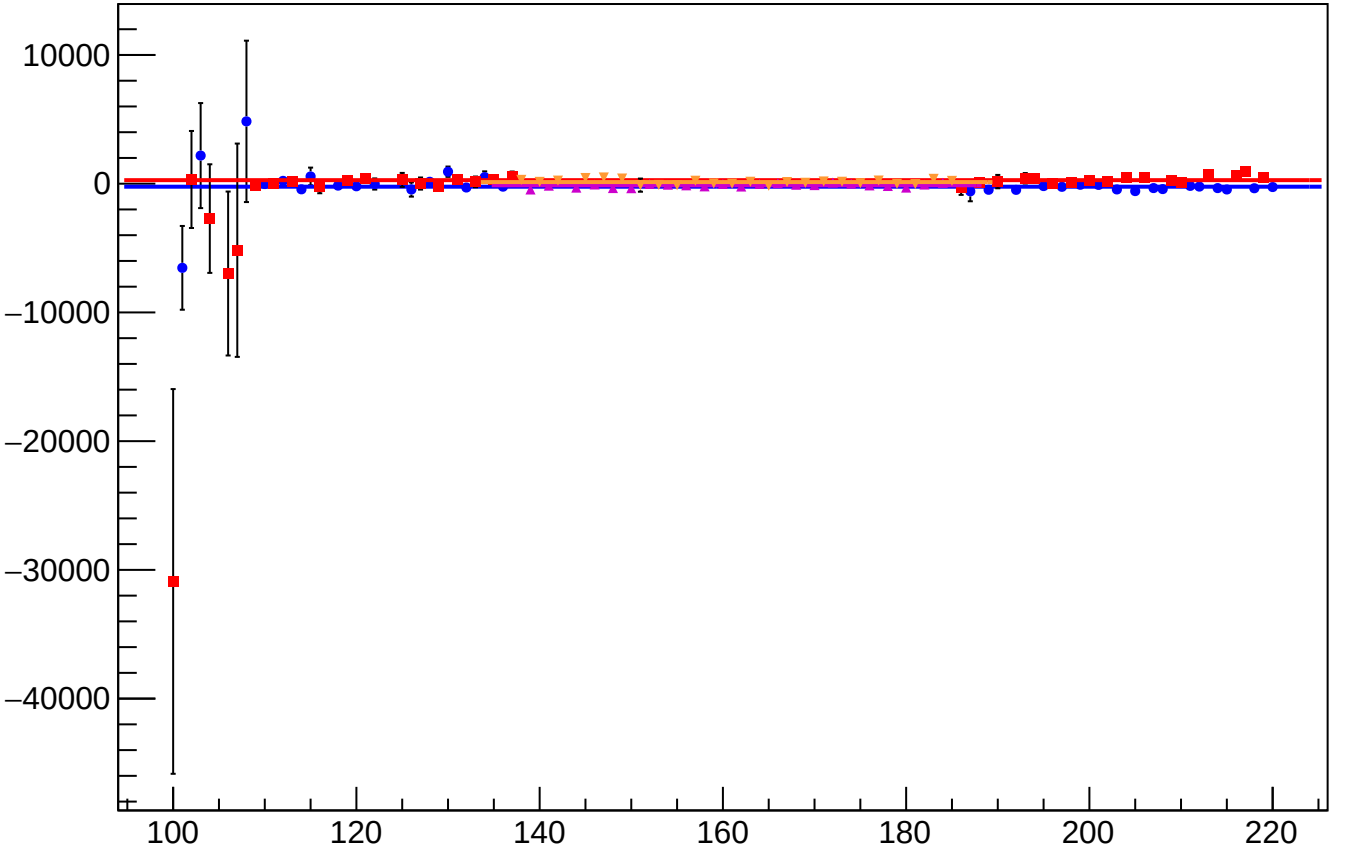
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 27.845+/-0.003 χ^2/NDF: 3423470.8/56

All: 27.909+/-0.002 χ^2/NDF: 7223422.6/114

\- sign 27.975+/-0.003 χ^2/NDF: 3799141.3/57

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -233.015+/-41.036 χ^2/NDF: 36.0/32

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 274.975+/-41.534 χ^2/NDF: 45.5/34

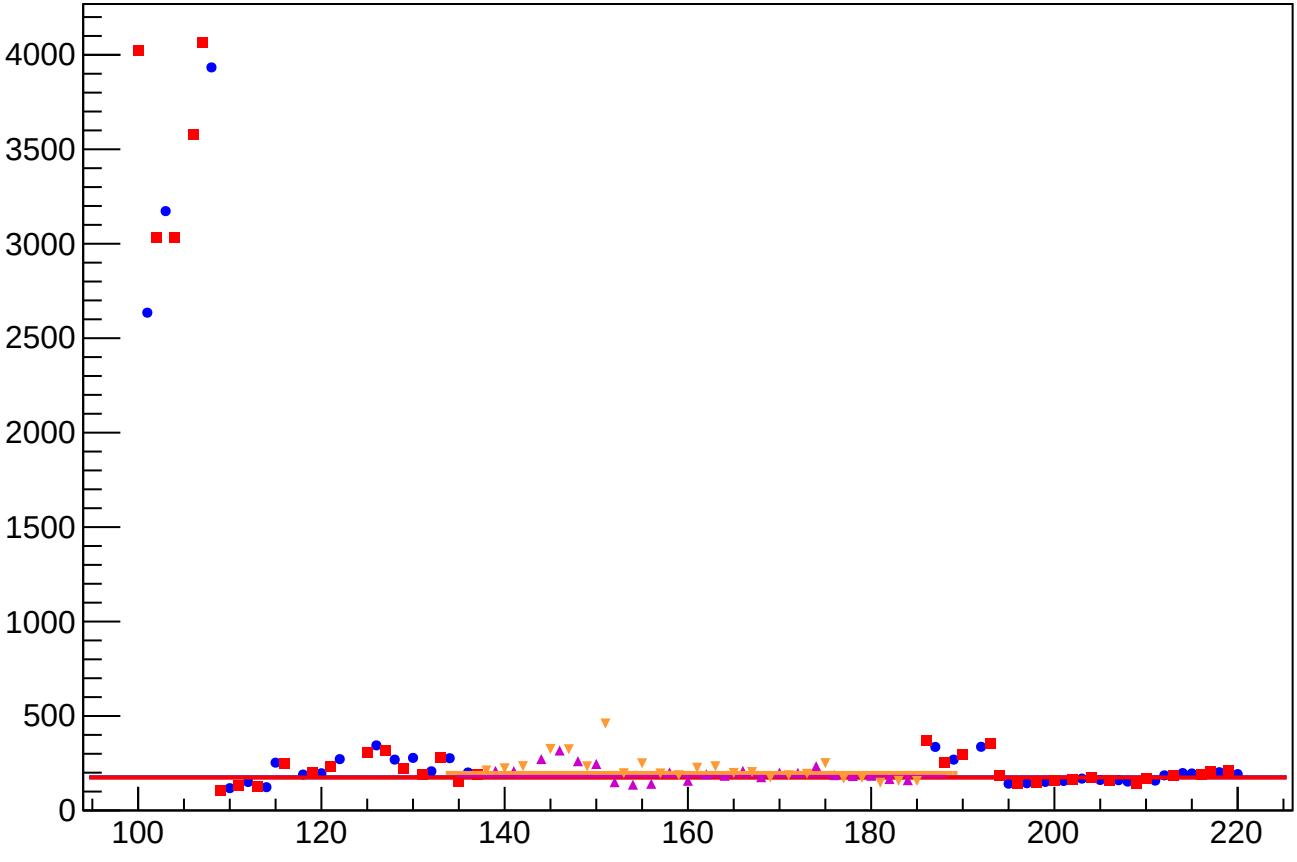
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -80.719+/-31.151 χ^2/NDF: 80.2/56

All: 7.667+/-21.823 χ^2/NDF: 191.5/114

- sign 92.859+/-30.583 χ^2/NDF: 95.5/57

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 175.443+/-0.029 χ^2/NDF: 4991329.9/32

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 174.453+/-0.029 χ^2/NDF: 5532036.3/34

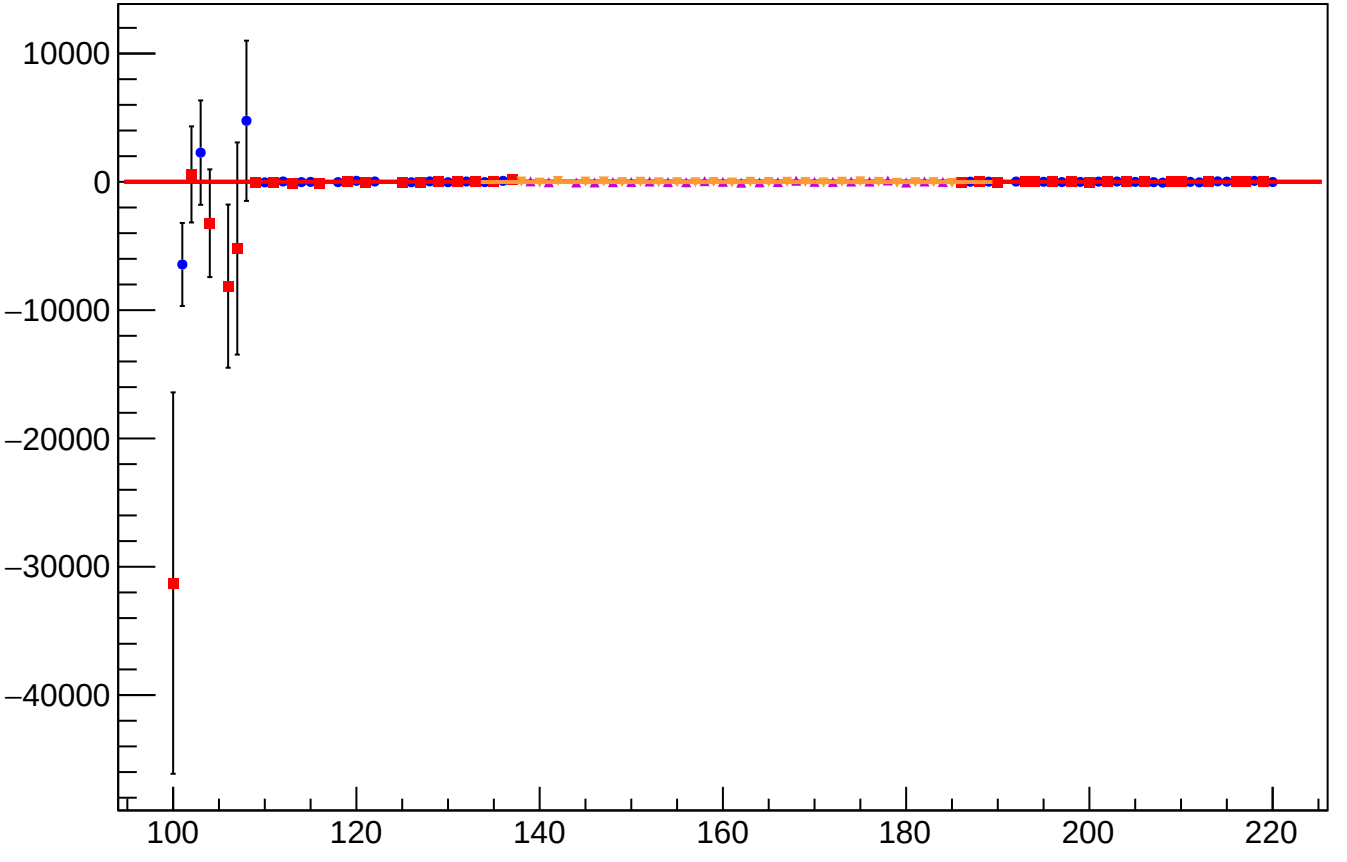
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 185.314+/-0.022 χ^2/NDF: 7050807.7/56

All: 182.445+/-0.015 χ^2/NDF: 14090874.3/11

- sign 179.681+/-0.022 χ^2/NDF: 7006763.8/57

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 6.485+/-6.811 χ^2/NDF: 31.8/32

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: 2.332+/-6.910 χ^2/NDF: 45.0/34

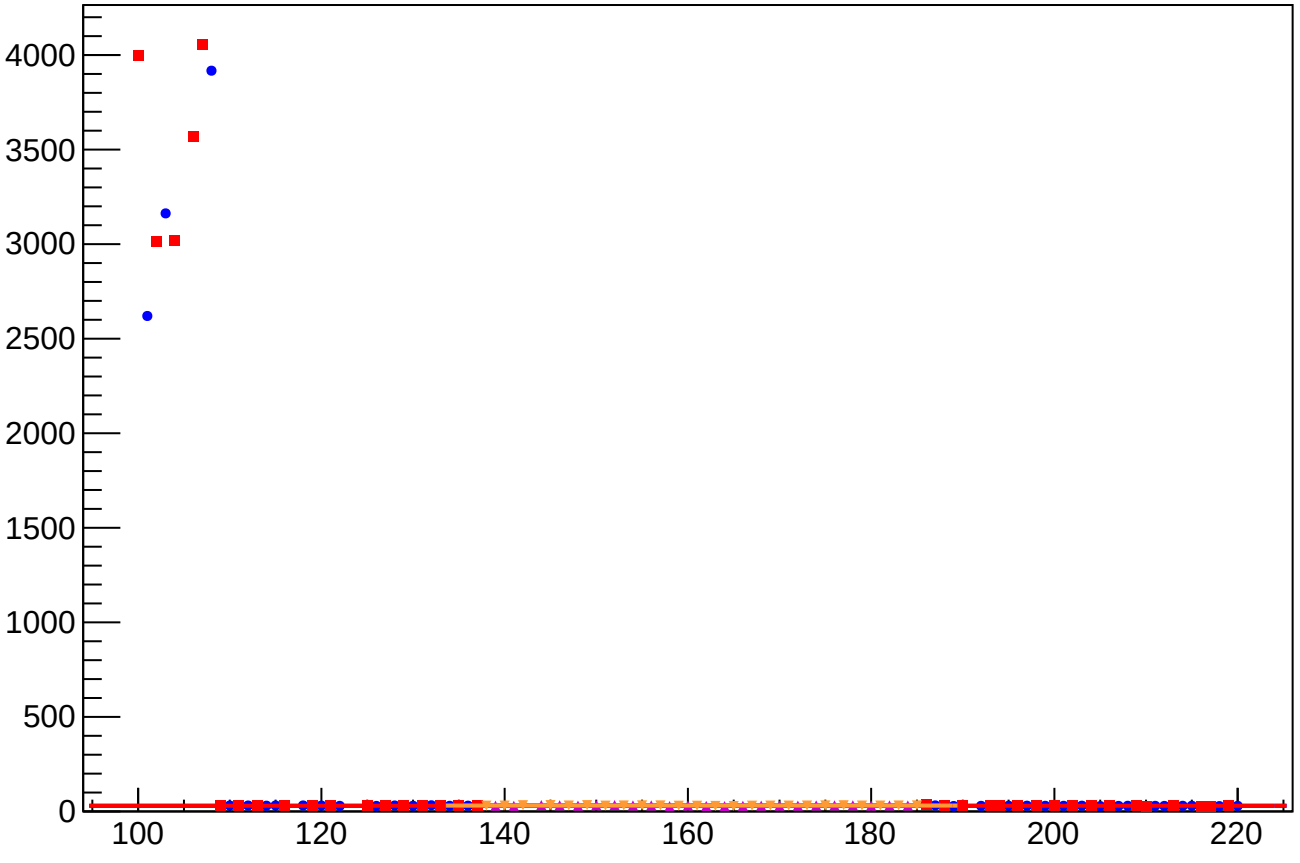
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -5.065+/-4.967 χ^2/NDF: 58.2/56

All: -1.328+/-3.536 χ^2/NDF: 139.9/114

- sign 2.509+/-5.034 χ^2/NDF: 80.5/57

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 29.997+/-0.005 χ^2/NDF: 3282671.4/32

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.136+/-0.005 χ^2/NDF: 3589735.4/34

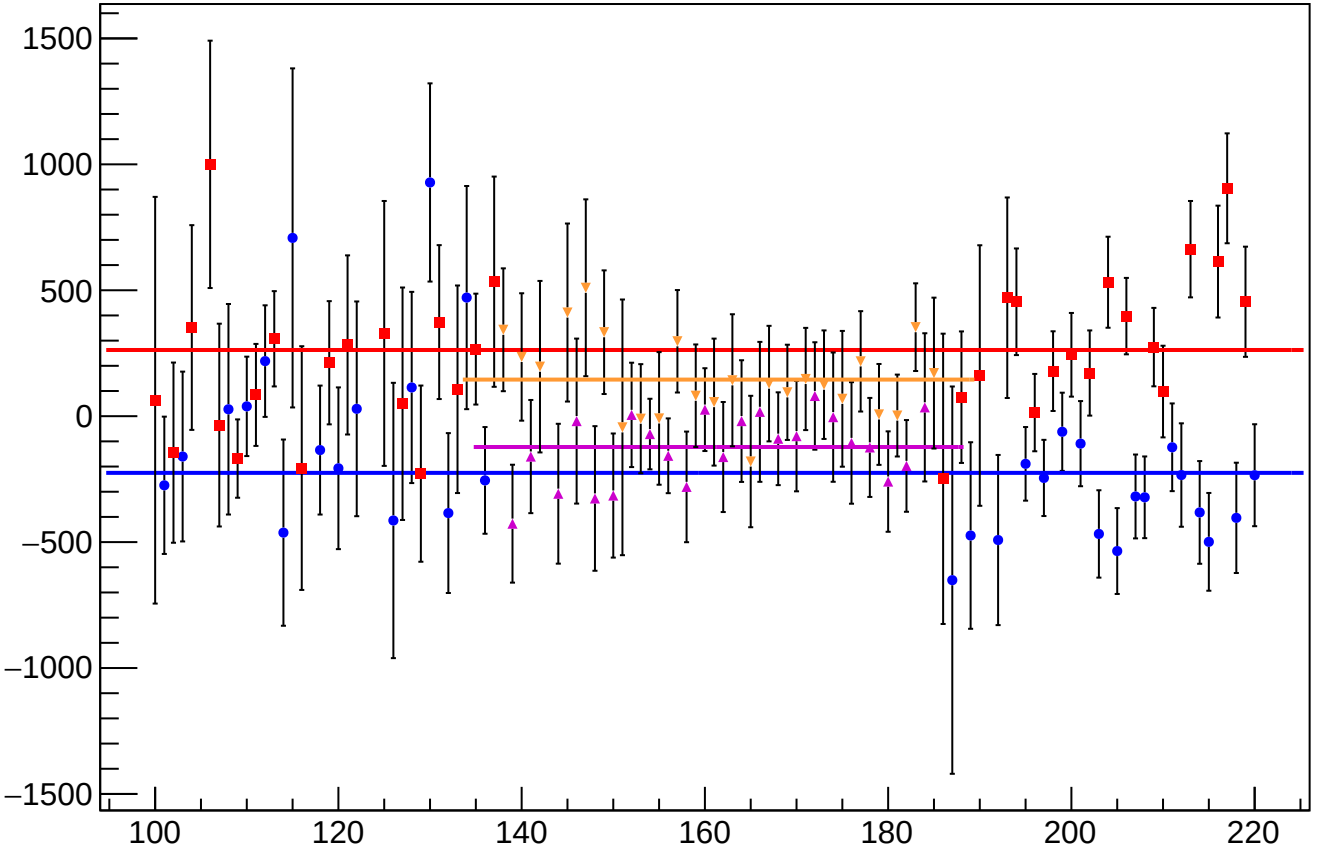
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.570+/-0.004 χ^2/NDF: 3360335.9/56

All: 30.644+/-0.003 χ^2/NDF: 7066596.2/114

- sign 30.719+/-0.004 χ^2/NDF: 3705373.1/57

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -225.067+/-39.314 χ^2/NDF: 33.9/32

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 262.832+/-39.335 χ^2/NDF: 42.4/34

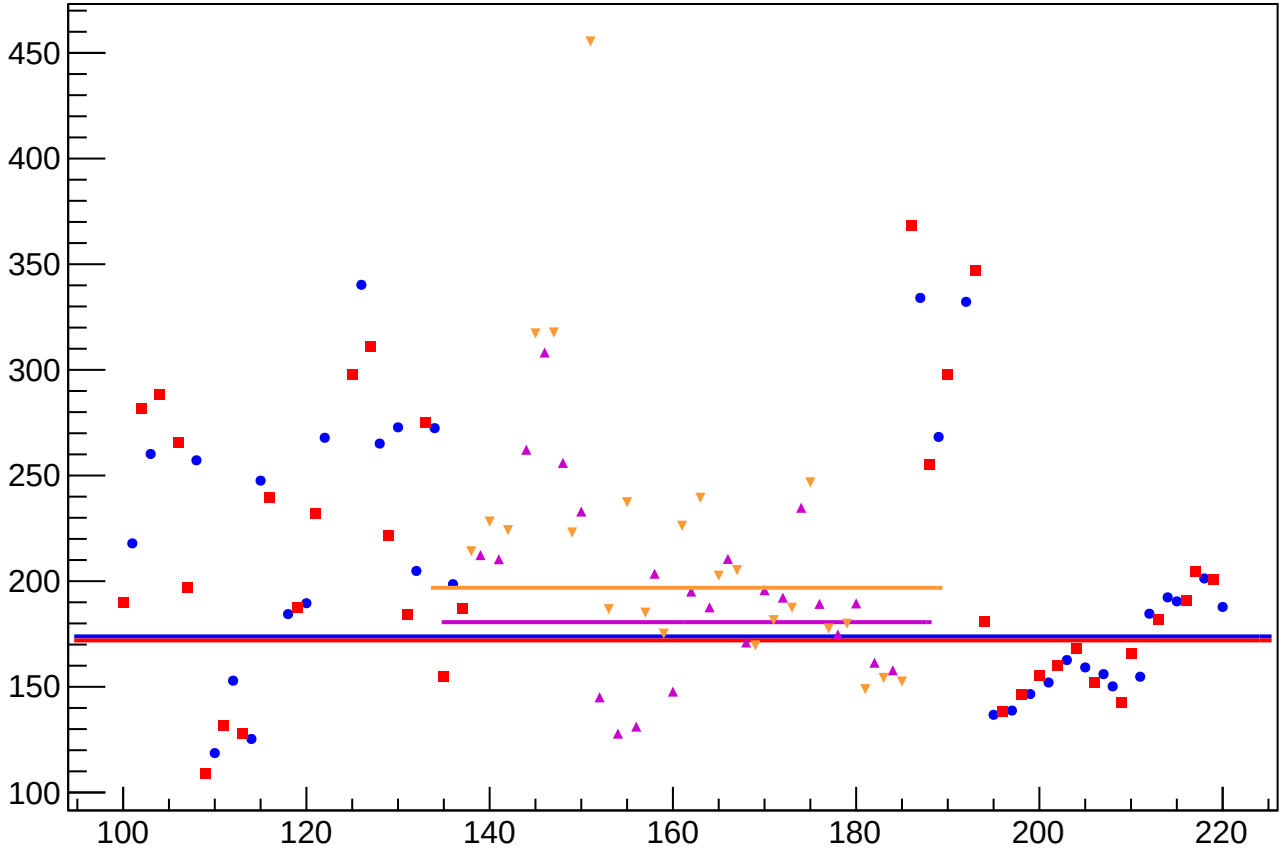
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

+ sign -74.081+/-30.258 χ^2/NDF: 79.4/56

All: 11.527+/-21.067 χ^2/NDF: 187.7/114

- sign 92.072+/-29.349 χ^2/NDF: 92.8/57

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 173.852+/-0.028 χ^2/NDF: 2351339.7/32

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 171.960+/-0.028 χ^2/NDF: 2865390.7/34

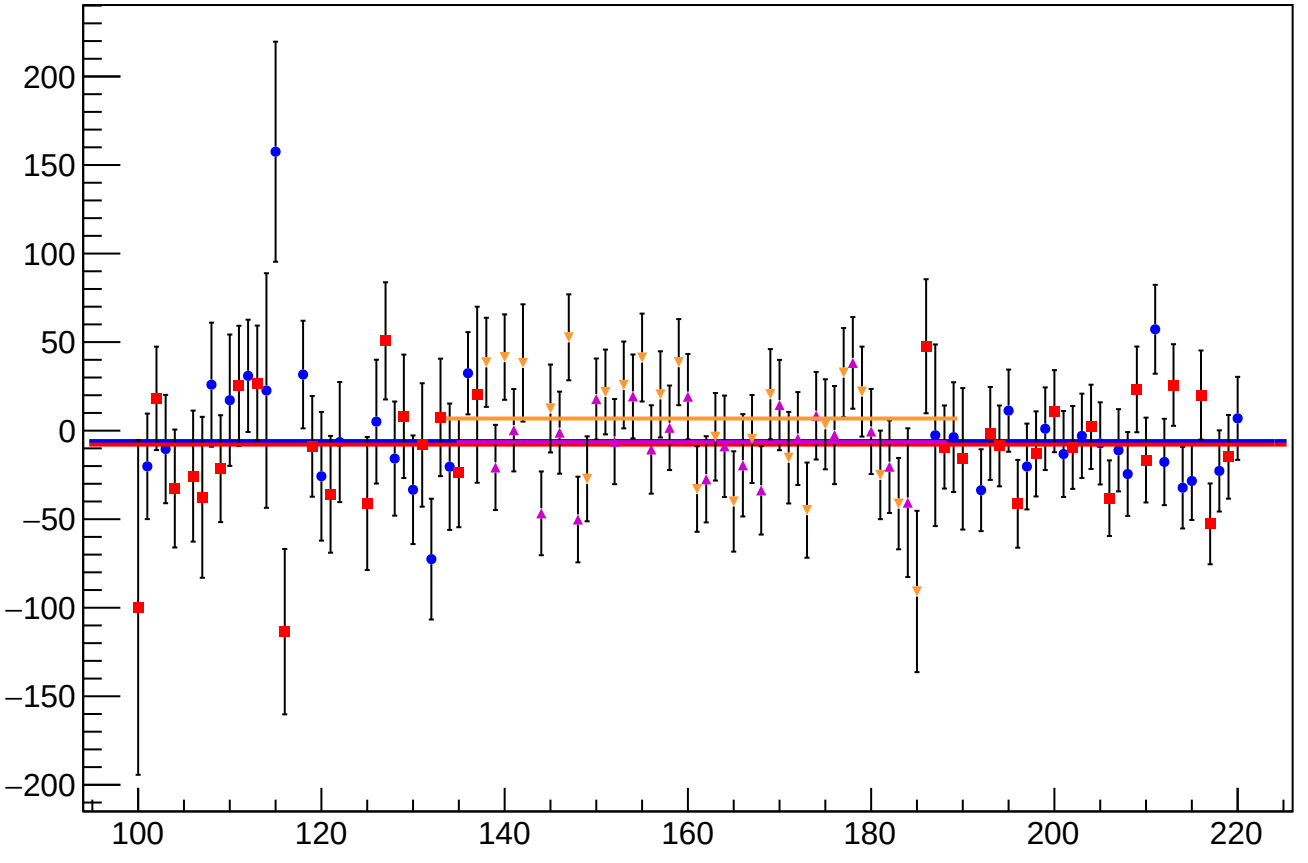
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 183.236+/-0.021 χ^2/NDF: 4356012.2/56

All: 179.400+/-0.015 χ^2/NDF: 8954656.4/114

- sign 175.791+/-0.021 χ^2/NDF: 4536247.8/57

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -5.881+/-4.831 χ^2/NDF: 32.4/32

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -7.884+/-4.839 χ^2/NDF: 32.1/34

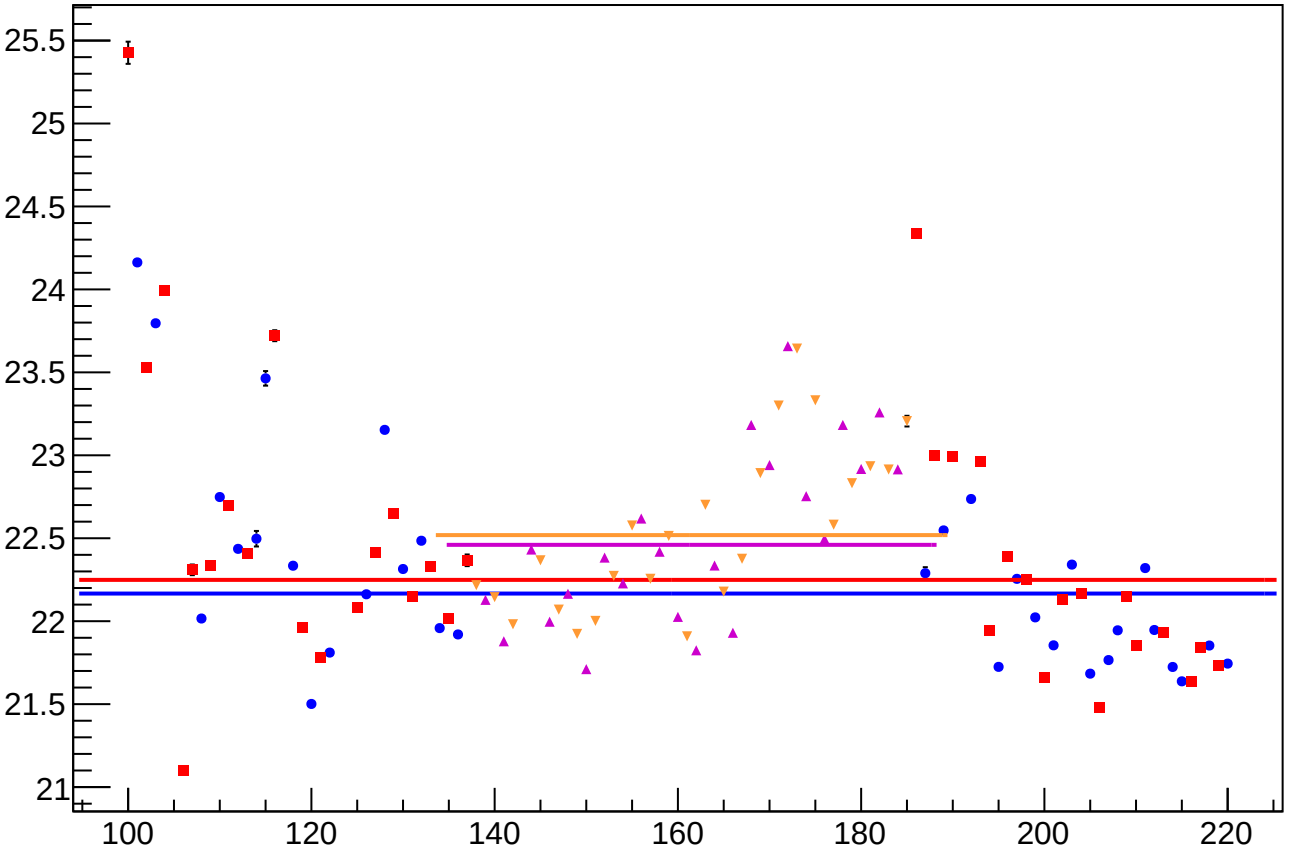
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign -0.015+/-3.548 χ^2/NDF: 72.5/56

All: -3.618+/-2.512 χ^2/NDF: 124.1/114

- sign -7.239+/-3.557 χ^2/NDF: 49.6/57

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.167+/-0.003 χ^2/NDF: 27168.4/32

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.249+/-0.003 χ^2/NDF: 35471.0/34

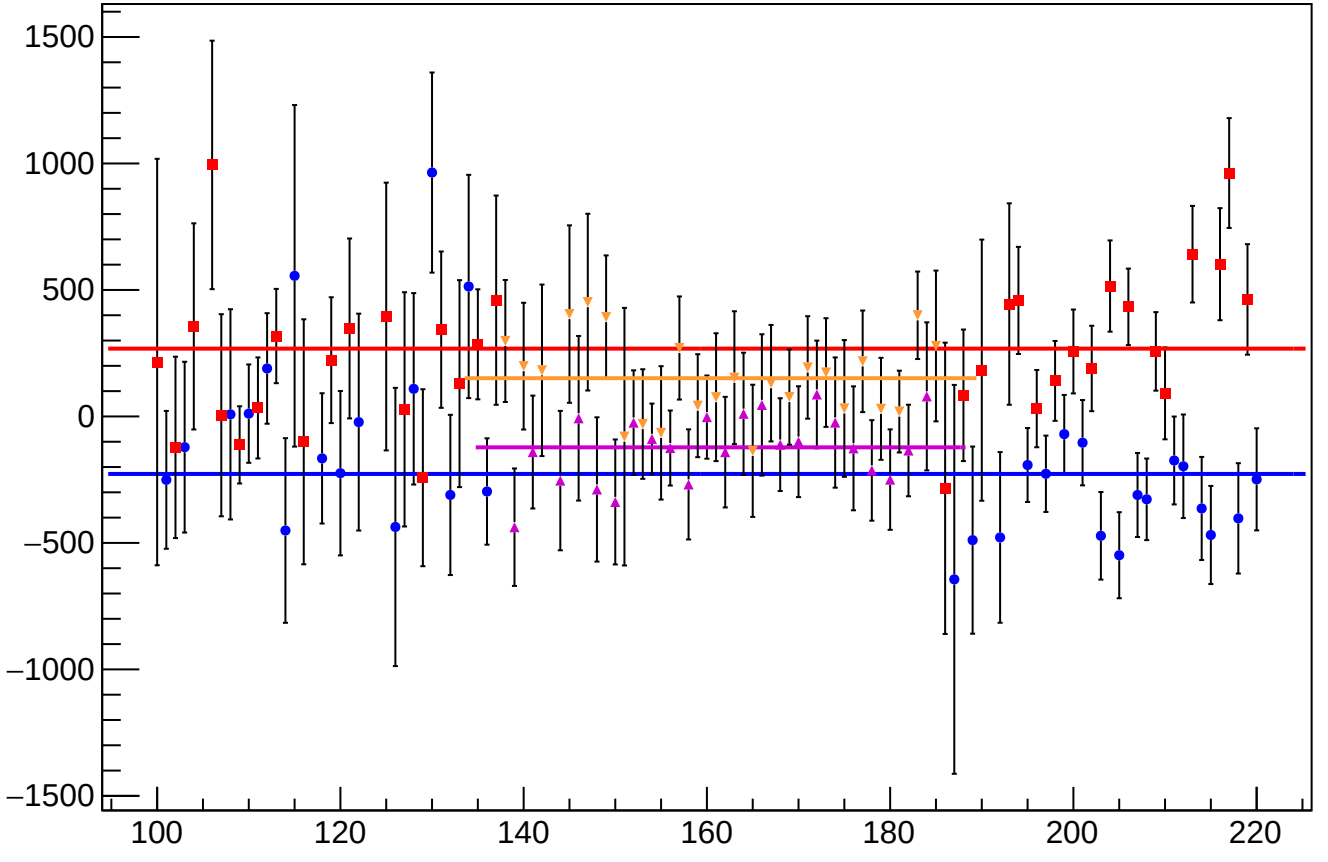
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.329+/-0.003 χ^2/NDF: 48066.5/56

All: 22.337+/-0.002 χ^2/NDF: 104429.1/114

- sign 22.346+/-0.003 χ^2/NDF: 56339.1/57

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -227.327+/-39.201 χ^2/NDF: 32.5/32

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 268.017+/-39.179 χ^2/NDF: 41.9/34

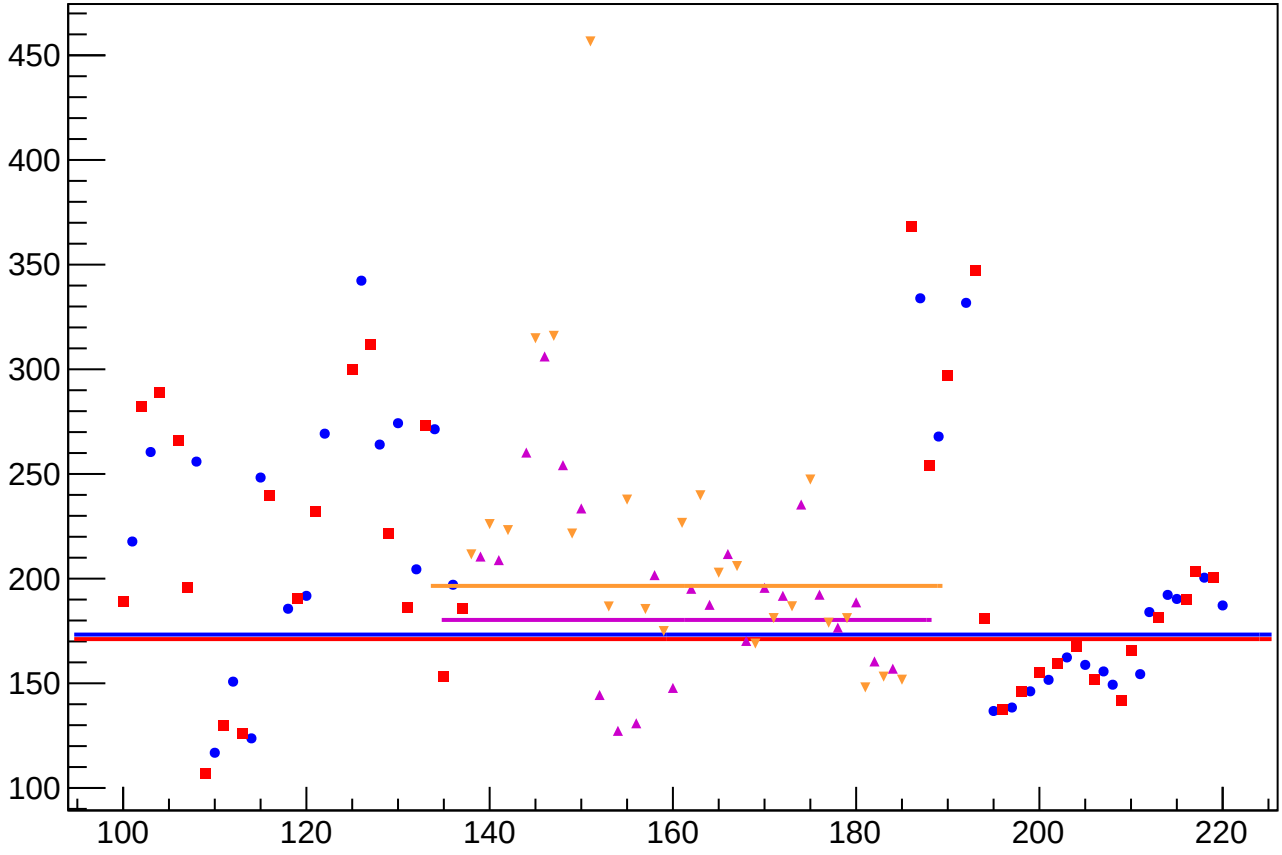
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -73.297+/-30.187 χ^2/NDF: 80.4/56

All: 13.721+/-21.011 χ^2/NDF: 189.8/114

- sign 95.492+/-29.262 χ^2/NDF: 93.2/57

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 173.276+/-0.028 χ^2/NDF: 2383172.5/32

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 171.115+/-0.028 χ^2/NDF: 2935242.9/34

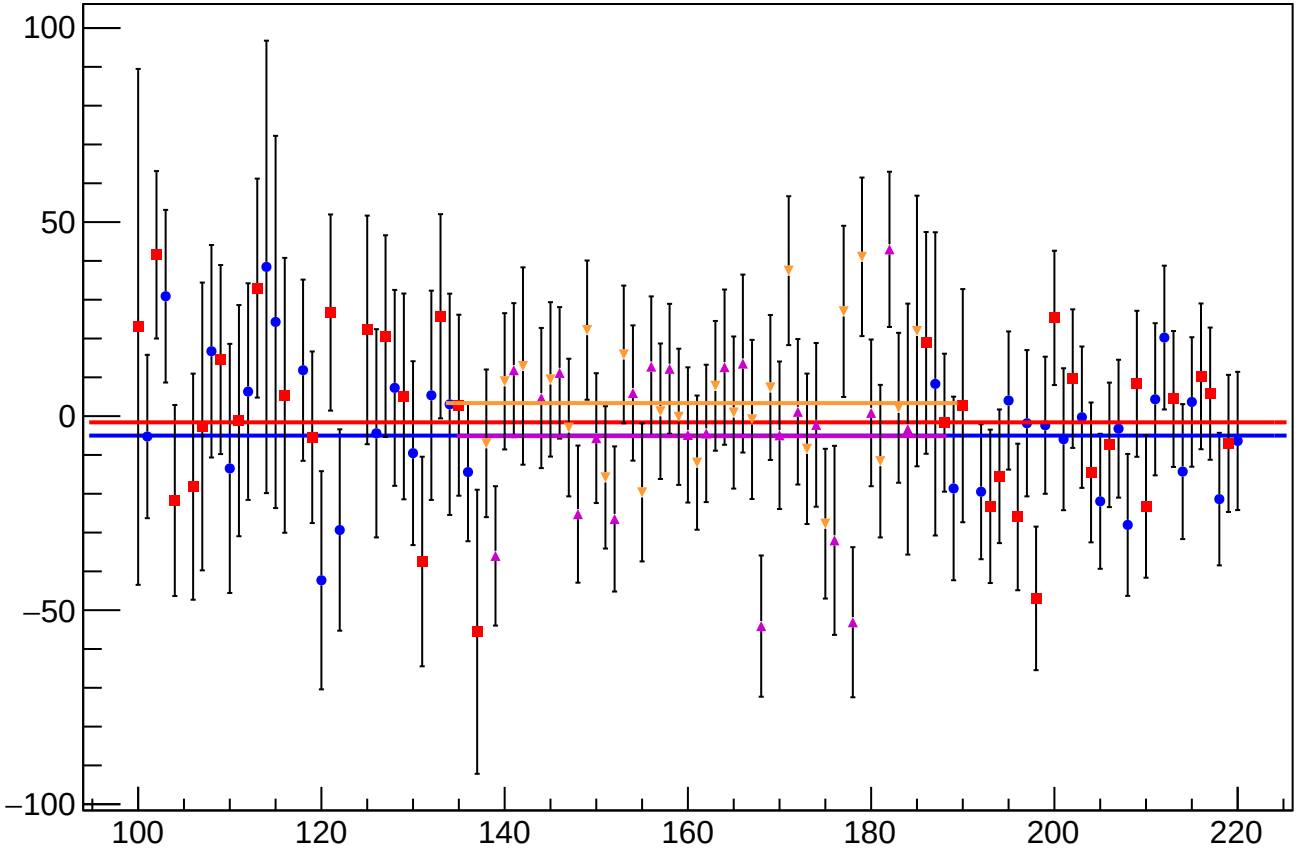
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

\+ sign 182.742+/-0.021 χ^2/NDF: 4397586.8/56

All: 178.836+/-0.015 χ^2/NDF: 9070808.8/114

\- sign 175.165+/-0.021 χ^2/NDF: 4608254.6/57

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -5.013+/-3.699 χ^2/NDF: 16.0/32

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -1.597+/-3.701 χ^2/NDF: 30.9/34

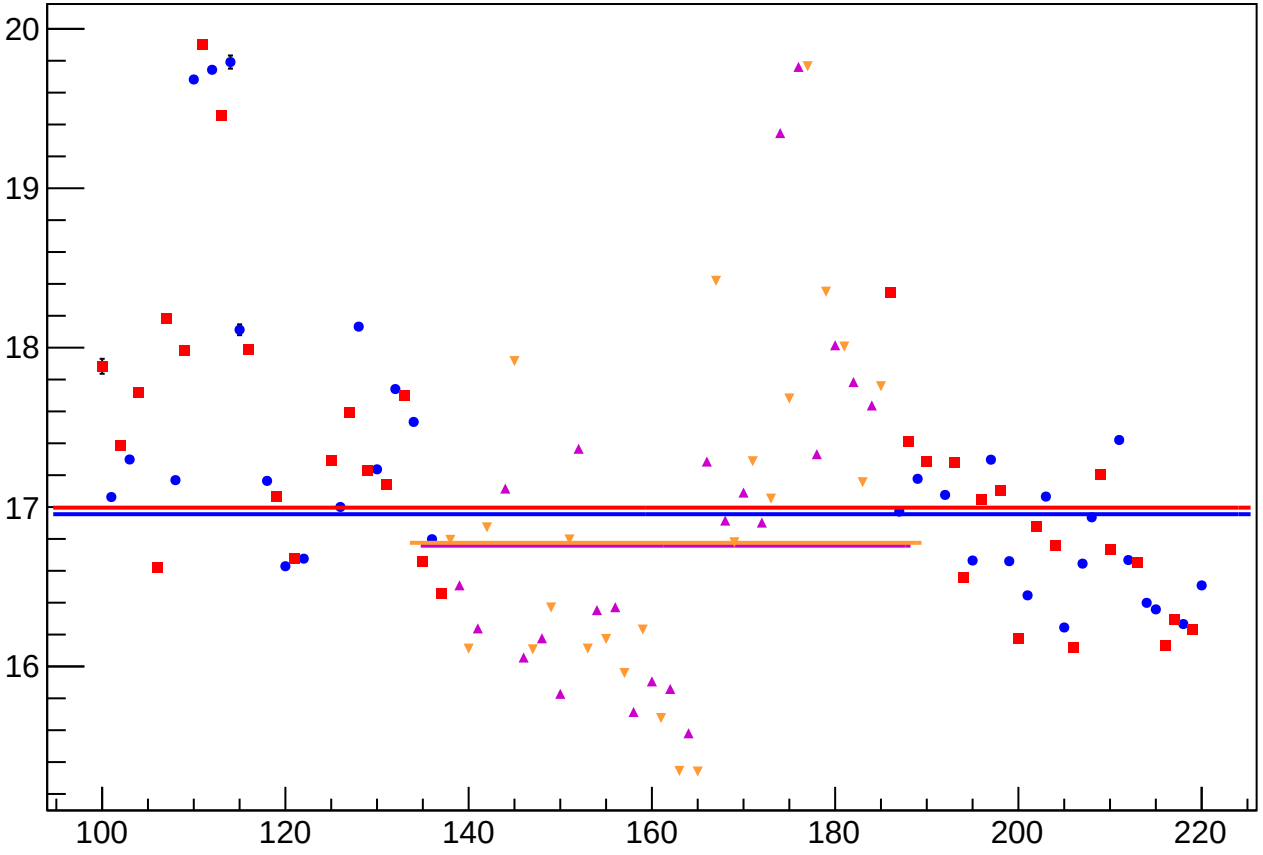
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -1.052+/-2.685 χ^2/NDF: 36.1/56

All: -2.158+/-1.901 χ^2/NDF: 100.0/114

- sign -3.270+/-2.692 χ^2/NDF: 63.6/57

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 16.955+/-0.003 χ^2/NDF: 67252.2/32

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 16.996+/-0.003 χ^2/NDF: 79525.4/34

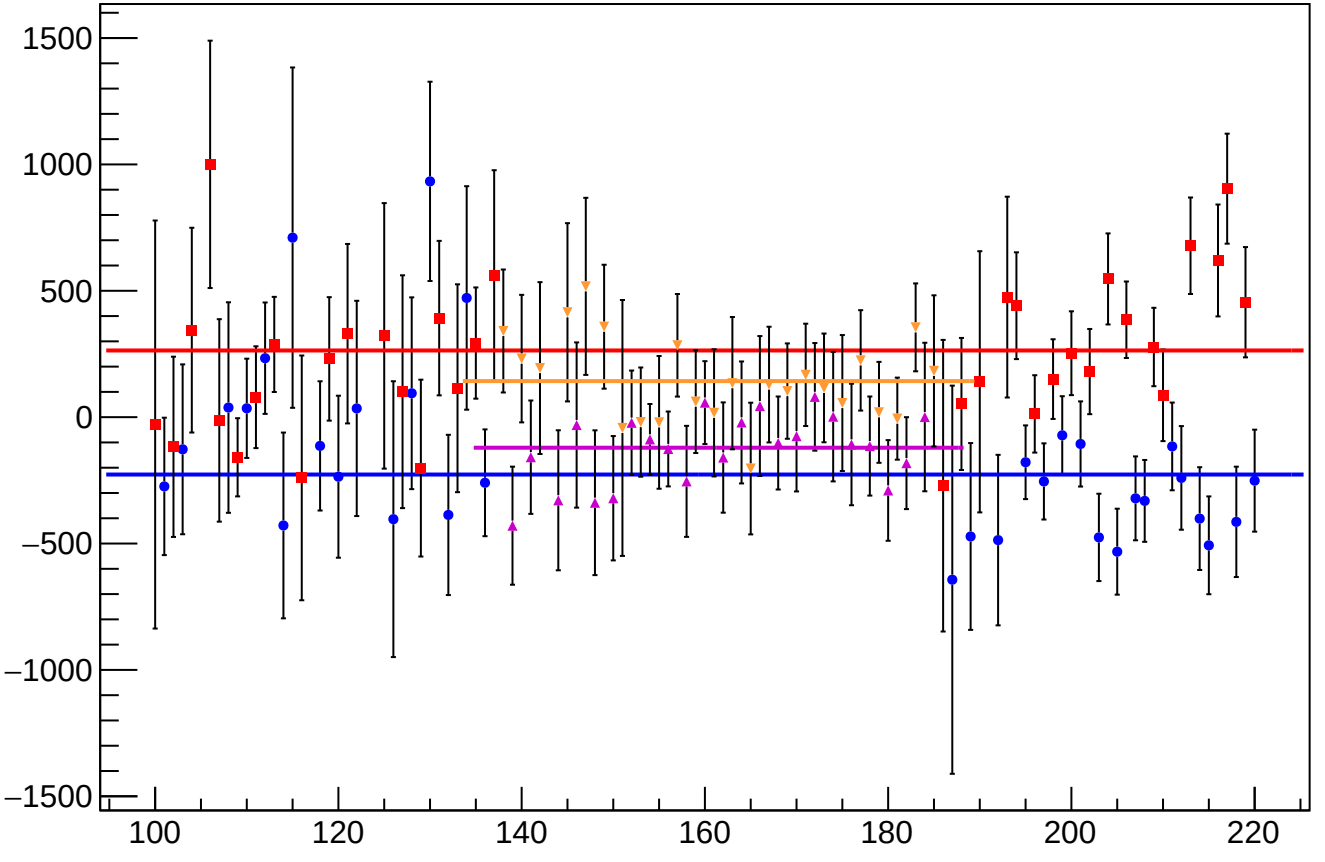
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.870+/-0.002 χ^2/NDF: 205620.4/56

All: 16.877+/-0.001 χ^2/NDF: 412386.9/114

\- sign 16.884+/-0.002 χ^2/NDF: 206740.5/57

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -226.975+/-39.195 χ^2/NDF: 34.8/32

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 263.911+/-39.218 χ^2/NDF: 43.1/34

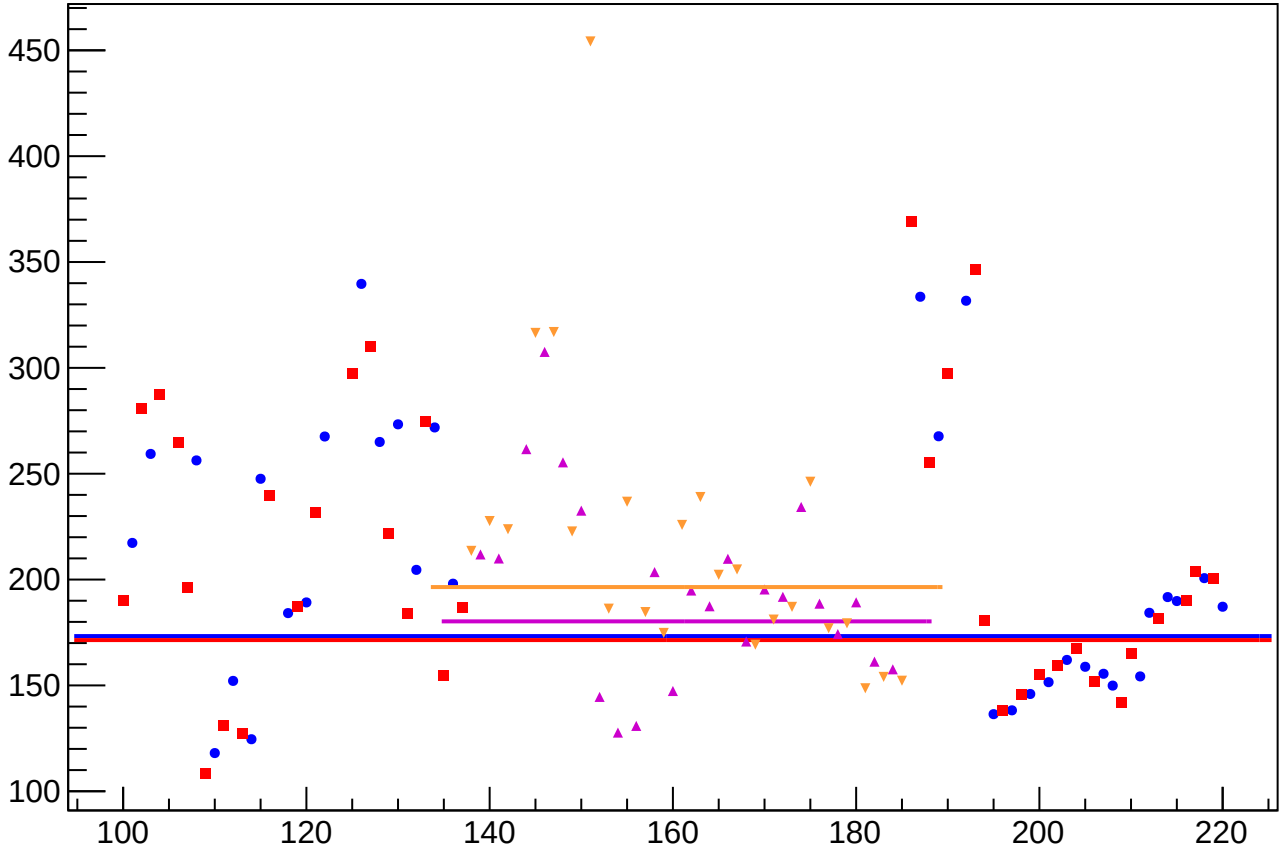
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

\+ sign -76.431+/-30.177 χ^2/NDF: 81.1/56

All: 11.124+/-21.012 χ^2/NDF: 191.4/114

\- sign 93.524+/-29.275 χ^2/NDF: 93.9/57

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 173.299+/-0.028 χ^2/NDF: 2364119.0/32

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 171.411+/-0.028 χ^2/NDF: 2883285.9/34

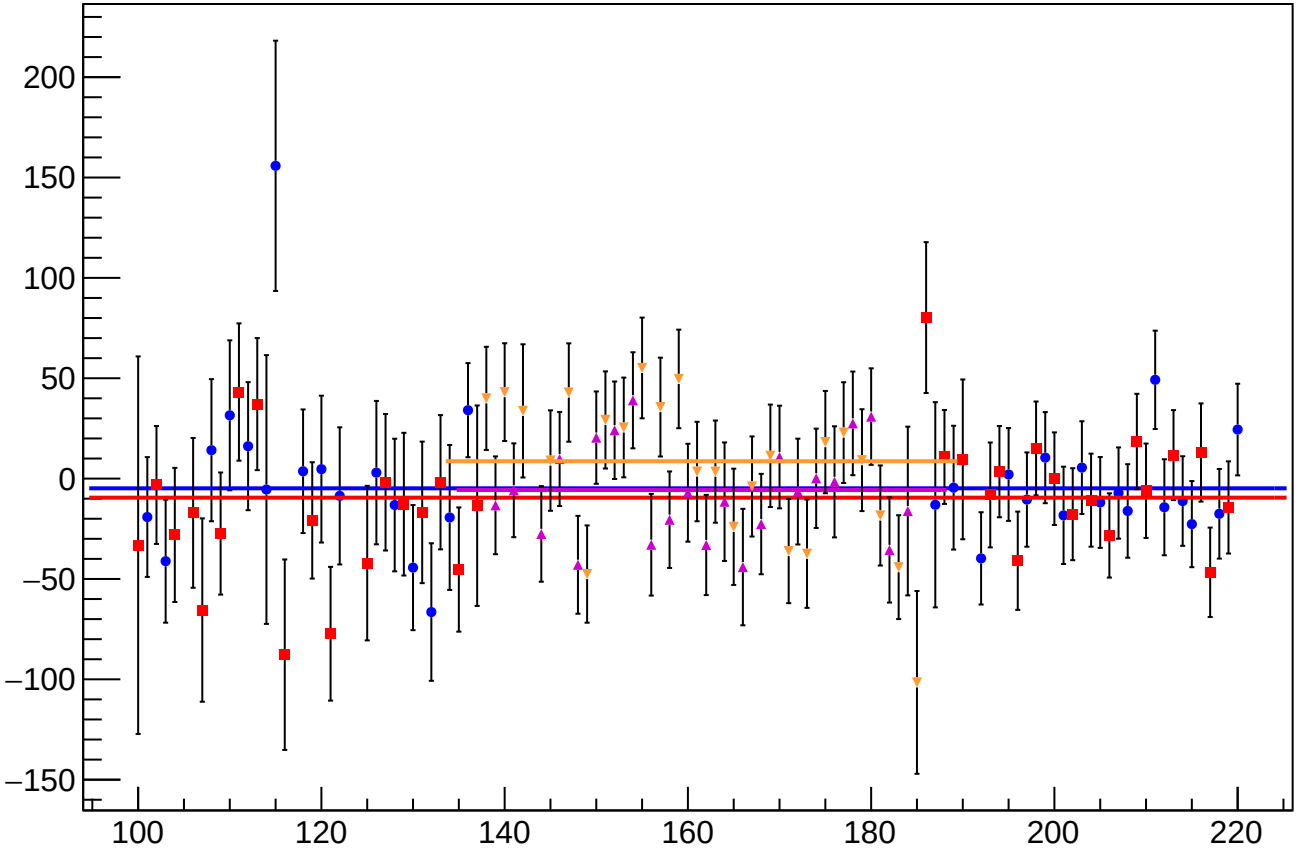
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 182.728+/-0.021 χ^2/NDF: 4371853.5/56

All: 178.913+/-0.015 χ^2/NDF: 8989905.3/114

- sign 175.324+/-0.021 χ^2/NDF: 4556028.6/57

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -4.838+/-4.780 χ^2/NDF: 29.5/32

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -9.499+/-4.801 χ^2/NDF: 32.8/34

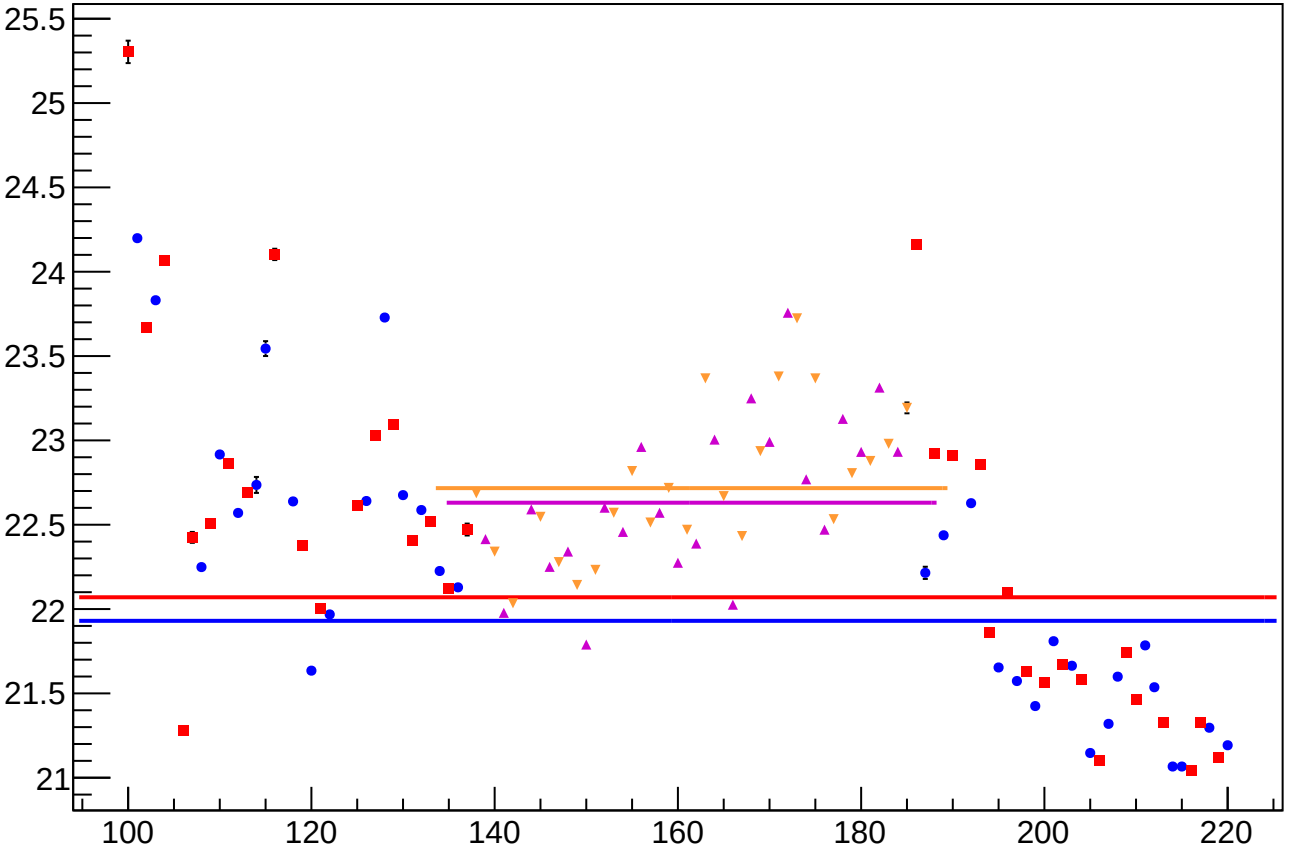
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 1.251+/-3.542 χ^2/NDF: 72.3/56

All: -3.243+/-2.509 χ^2/NDF: 129.4/114

- sign -7.767+/-3.554 χ^2/NDF: 53.8/57

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 21.930+/-0.003 χ^2/NDF: 52602.5/32

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.070+/-0.003 χ^2/NDF: 59165.2/34

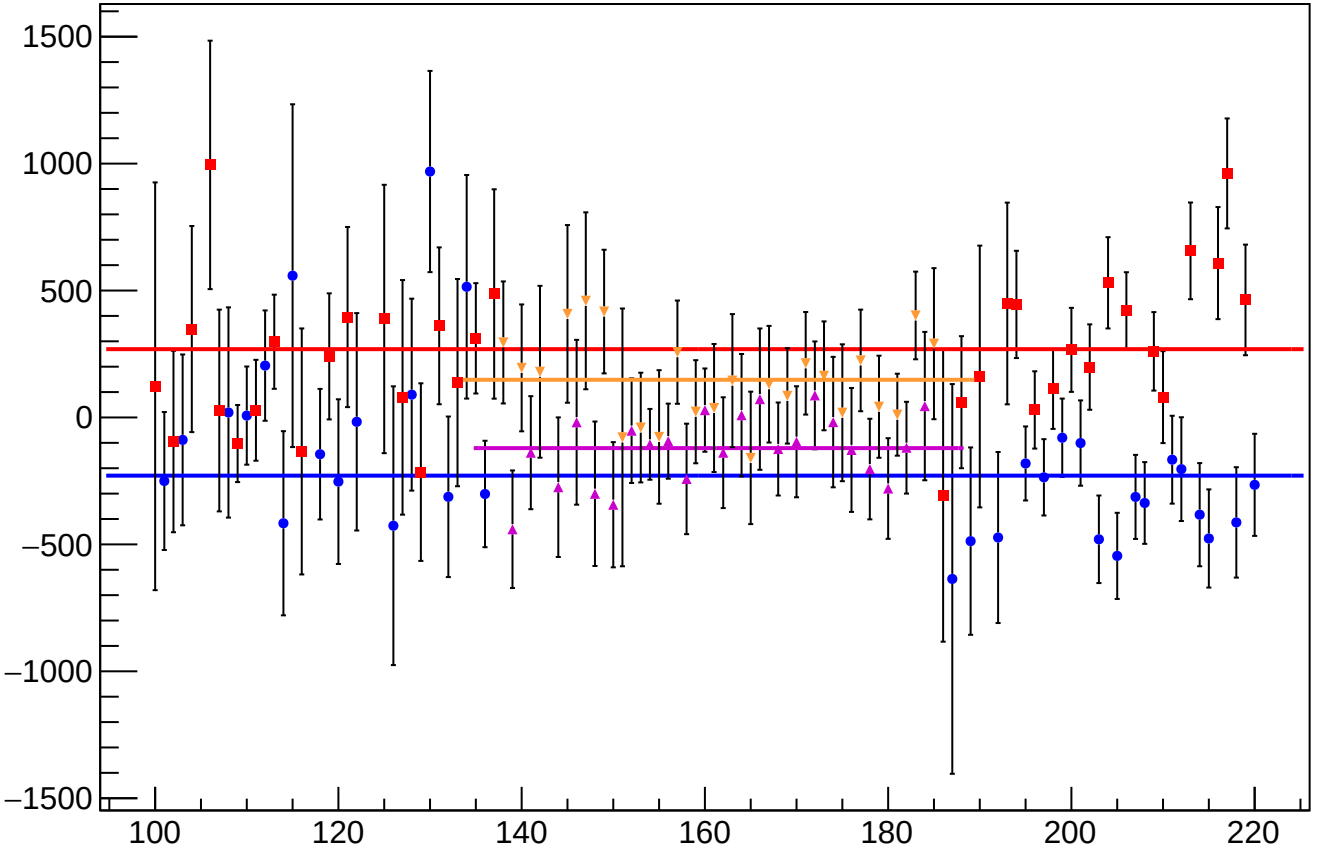
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.285+/-0.003 χ^2/NDF: 89211.9/56

All: 22.304+/-0.002 χ^2/NDF: 176211.8/114

- sign 22.323+/-0.003 χ^2/NDF: 86883.0/57

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -229.214+/-39.081 χ^2/NDF: 33.3/32

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 269.065+/-39.061 χ^2/NDF: 42.6/34

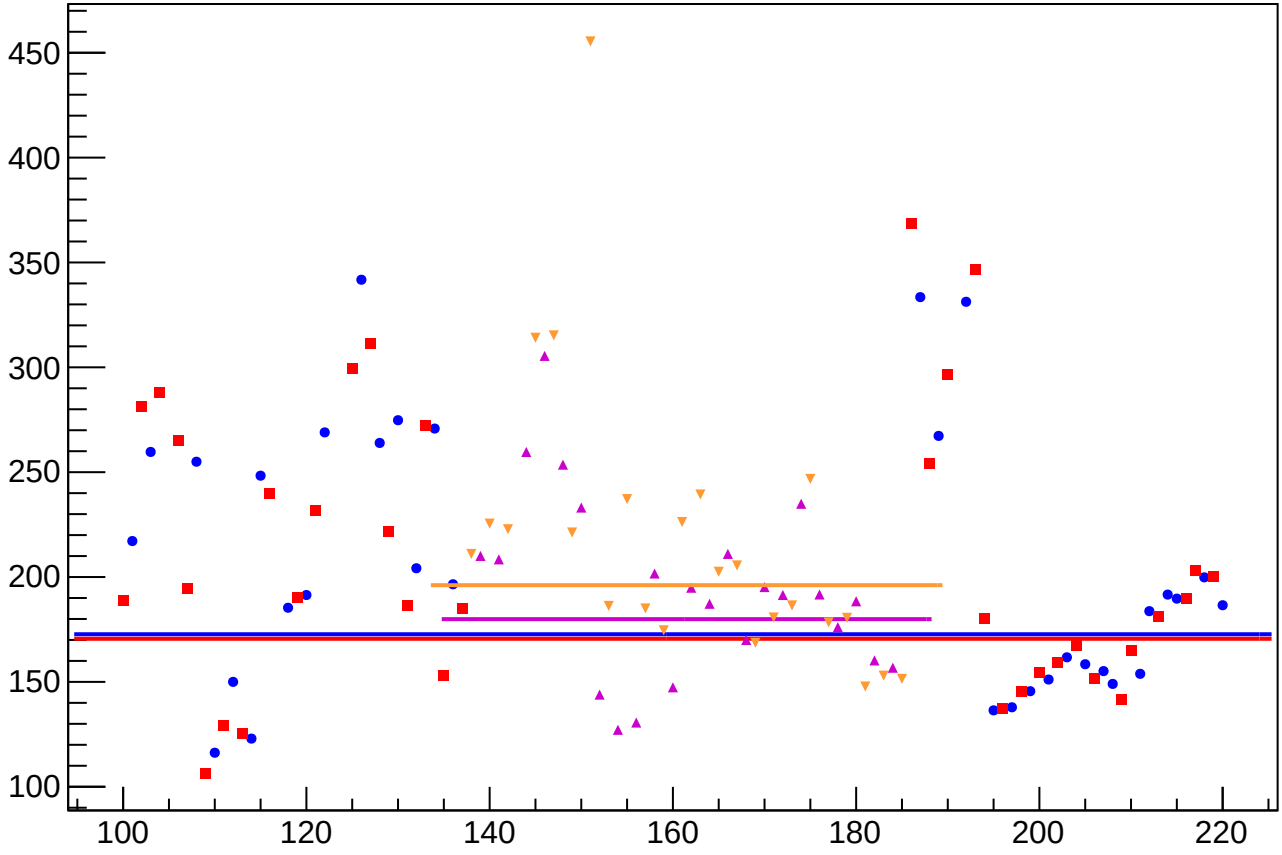
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -75.669+/-30.105 χ^2/NDF: 82.2/56

All: 13.286+/-20.956 χ^2/NDF: 193.6/114

- sign 96.900+/-29.188 χ^2/NDF: 94.5/57

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 172.719+/-0.028 χ^2/NDF: 2396462.9/32

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 170.560+/-0.028 χ^2/NDF: 2954039.6/34

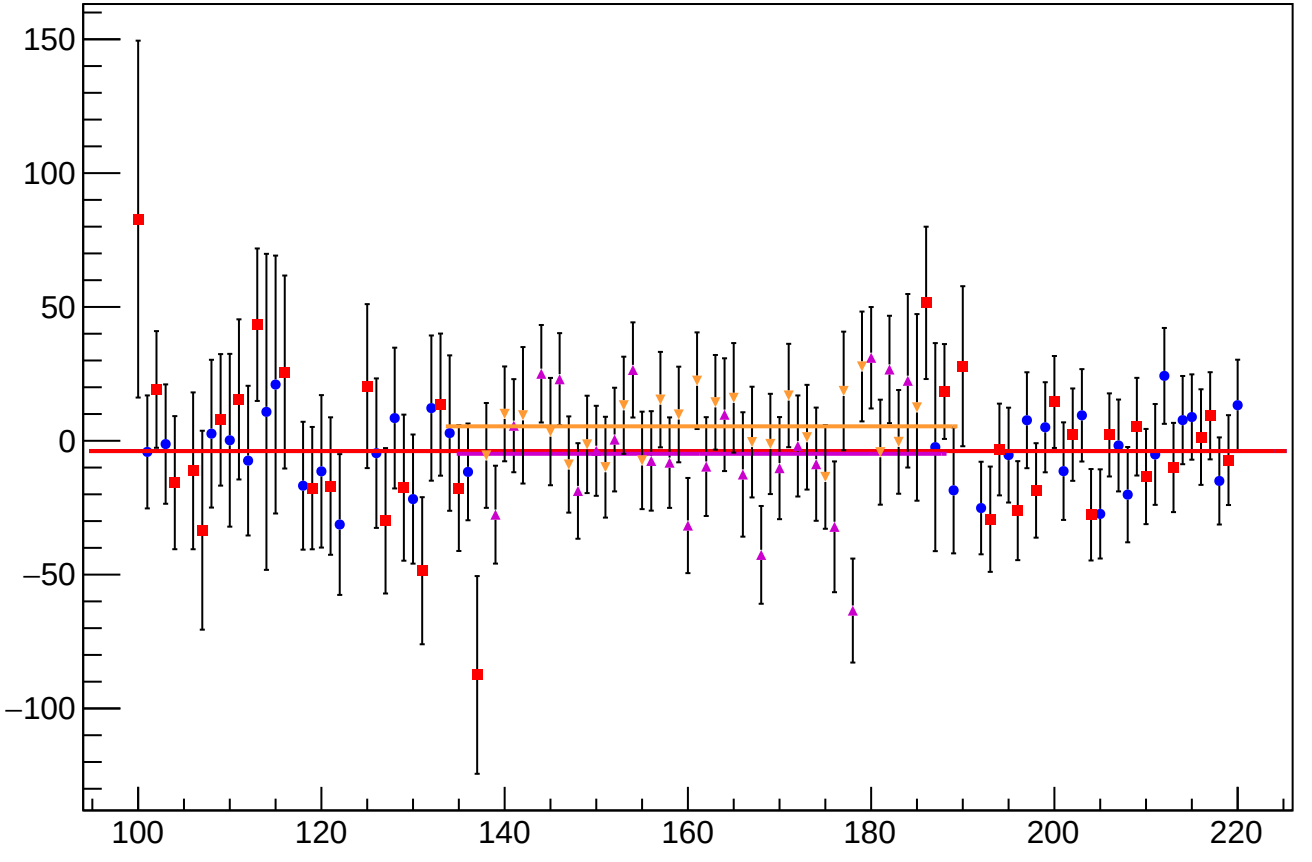
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 182.231+/-0.021 χ^2/NDF: 4414100.9/56

All: 178.347+/-0.015 χ^2/NDF: 9107627.7/114

- sign 174.695+/-0.021 χ^2/NDF: 4628937.5/57

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -3.831+/-3.628 χ^2/NDF: 14.5/32

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -3.843+/-3.644 χ^2/NDF: 33.9/34

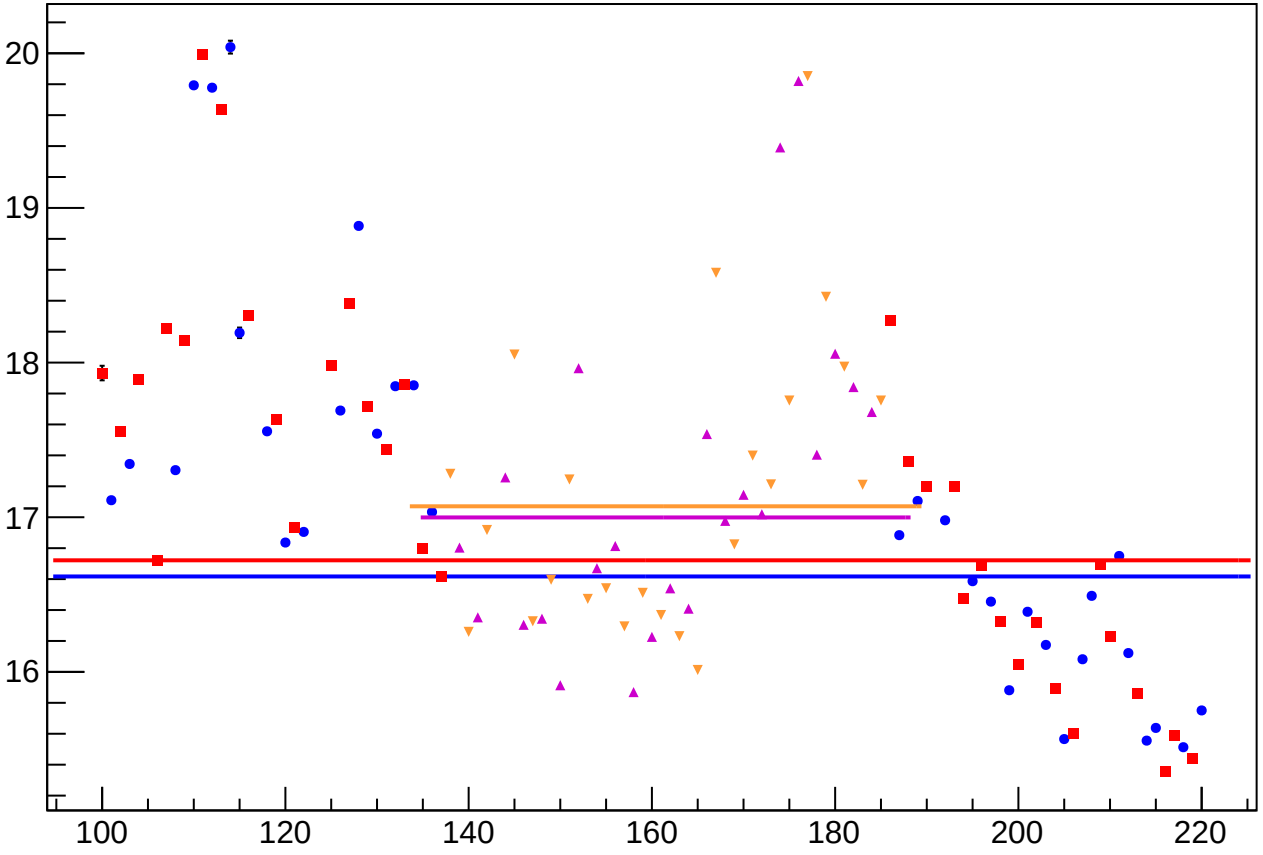
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.371+/-2.679 χ^2/NDF: 25.3/56

All: -1.960+/-1.897 χ^2/NDF: 96.2/114

- sign -4.306+/-2.688 χ^2/NDF: 69.4/57

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 16.617+/-0.003 χ^2/NDF: 140577.7/32

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 16.721+/-0.003 χ^2/NDF: 159335.3/34

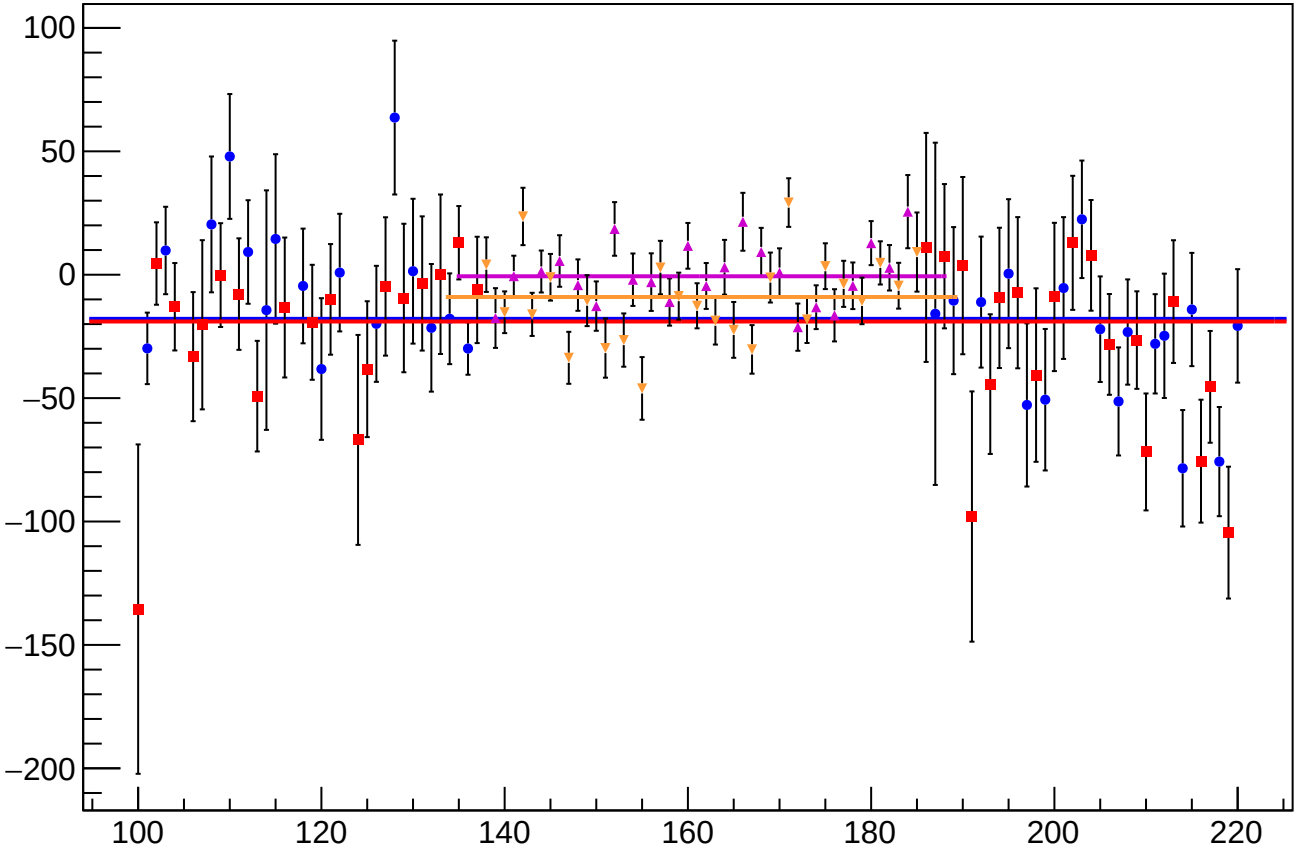
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 16.823+/-0.002 χ^2/NDF: 251112.2/56

All: 16.836+/-0.001 χ^2/NDF: 519830.4/114

- sign 16.848+/-0.002 χ^2/NDF: 268634.8/57

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -17.878+/-3.964 χ^2/NDF: 46.6/32

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

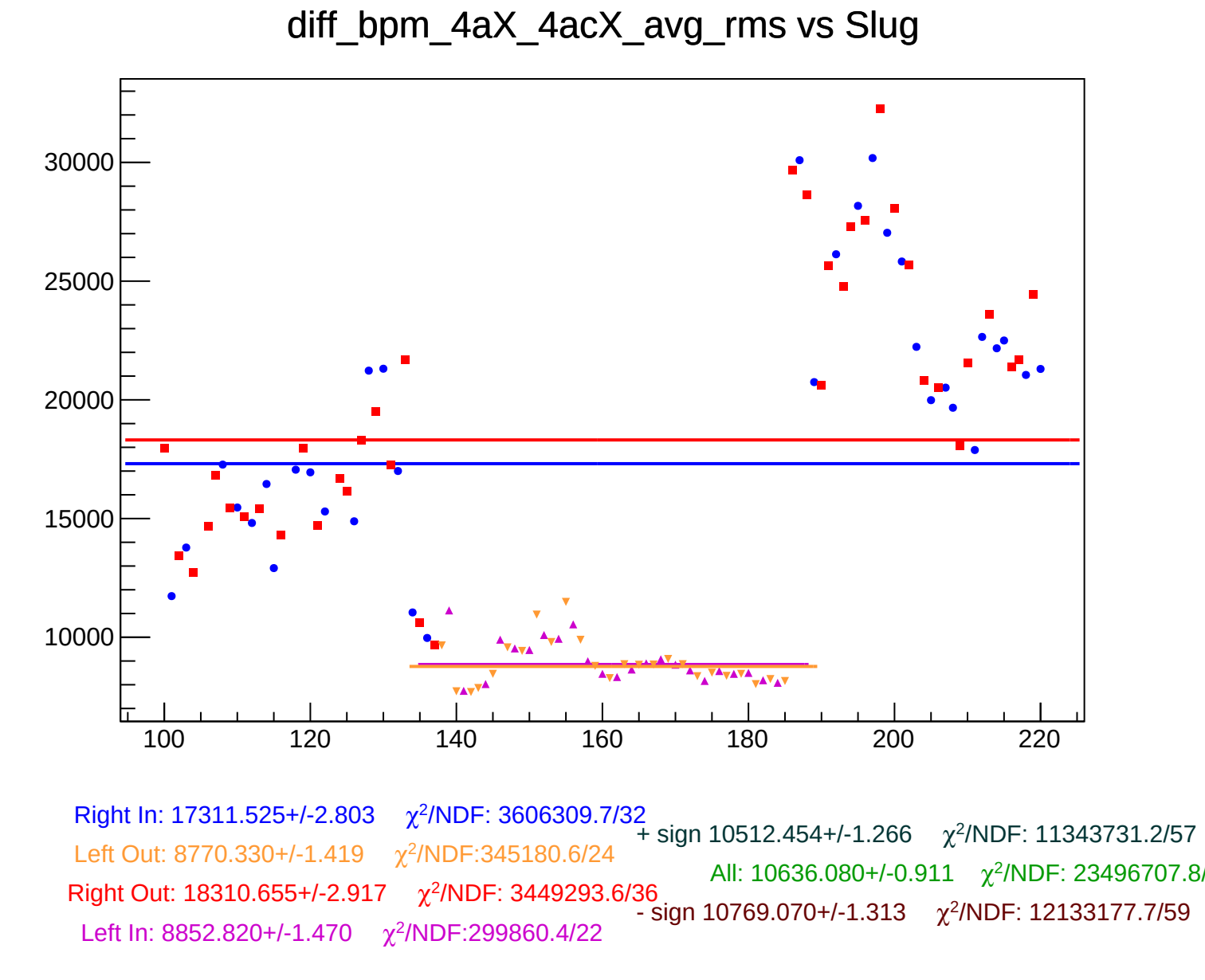
Right Out: -18.953+/-4.125 χ^2/NDF: 46.9/36

Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

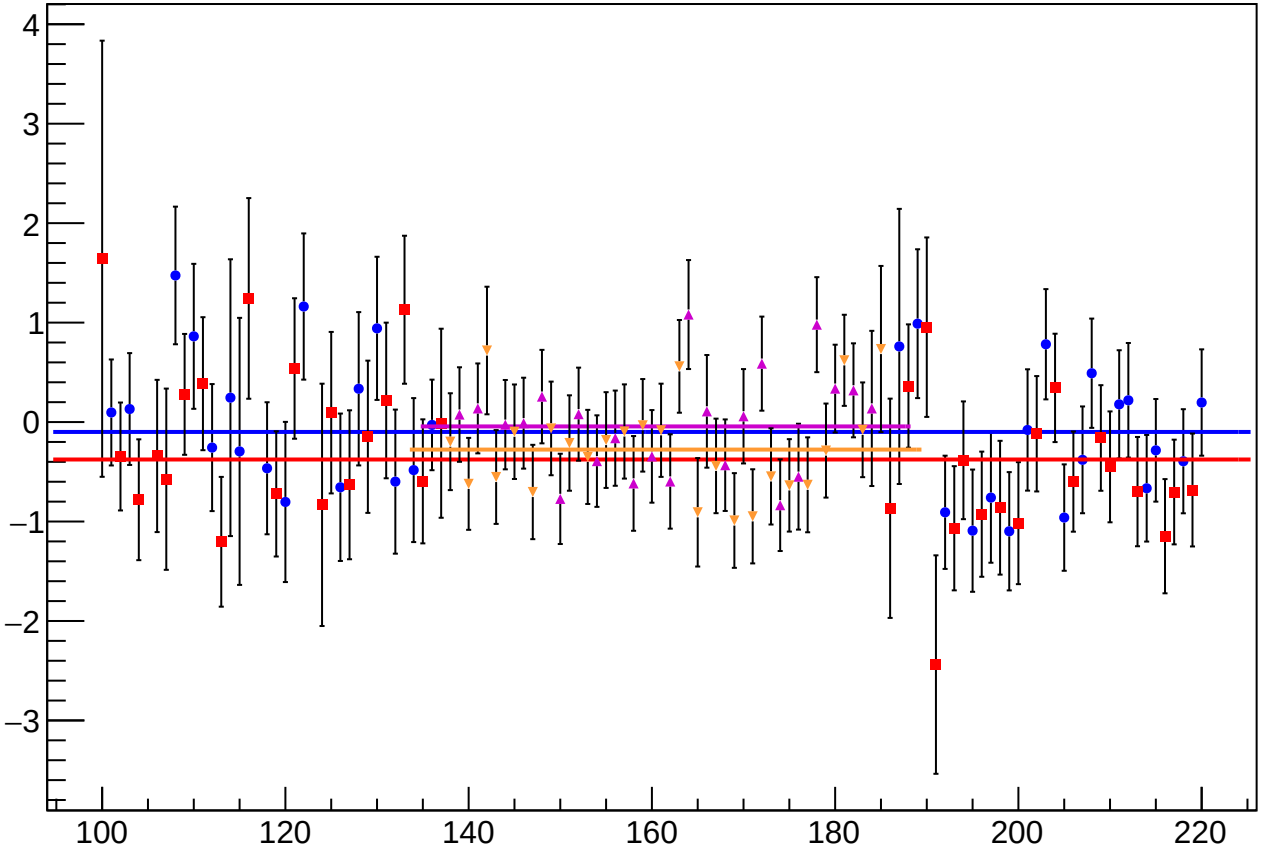
\+ sign -10.833+/-1.790 χ^2/NDF: 112.6/57

All: -7.705+/-1.289 χ^2/NDF: 211.1/117

\- sign -4.341+/-1.857 χ^2/NDF: 92.1/59


diff_bpm_4aX_4acX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 17311.525+/-2.803 χ²/NDF: 3606309.7/32
Left Out: 8770.330+/-1.419 χ²/NDF:345180.6/24
Right Out: 18310.655+/-2.917 χ²/NDF: 3449293.6/36
Left In: 8852.820+/-1.470 χ²/NDF:299860.4/22
+ sign 10512.454+/-1.266 χ²/NDF: 11343731.2/57
All: 10636.080+/-0.911 χ²/NDF: 23496707.8/
- sign 10769.070+/-1.313 χ²/NDF: 12133177.7/59

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.099+/-0.109 χ^2/NDF: 35.1/32

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.376+/-0.110 χ^2/NDF: 31.7/36

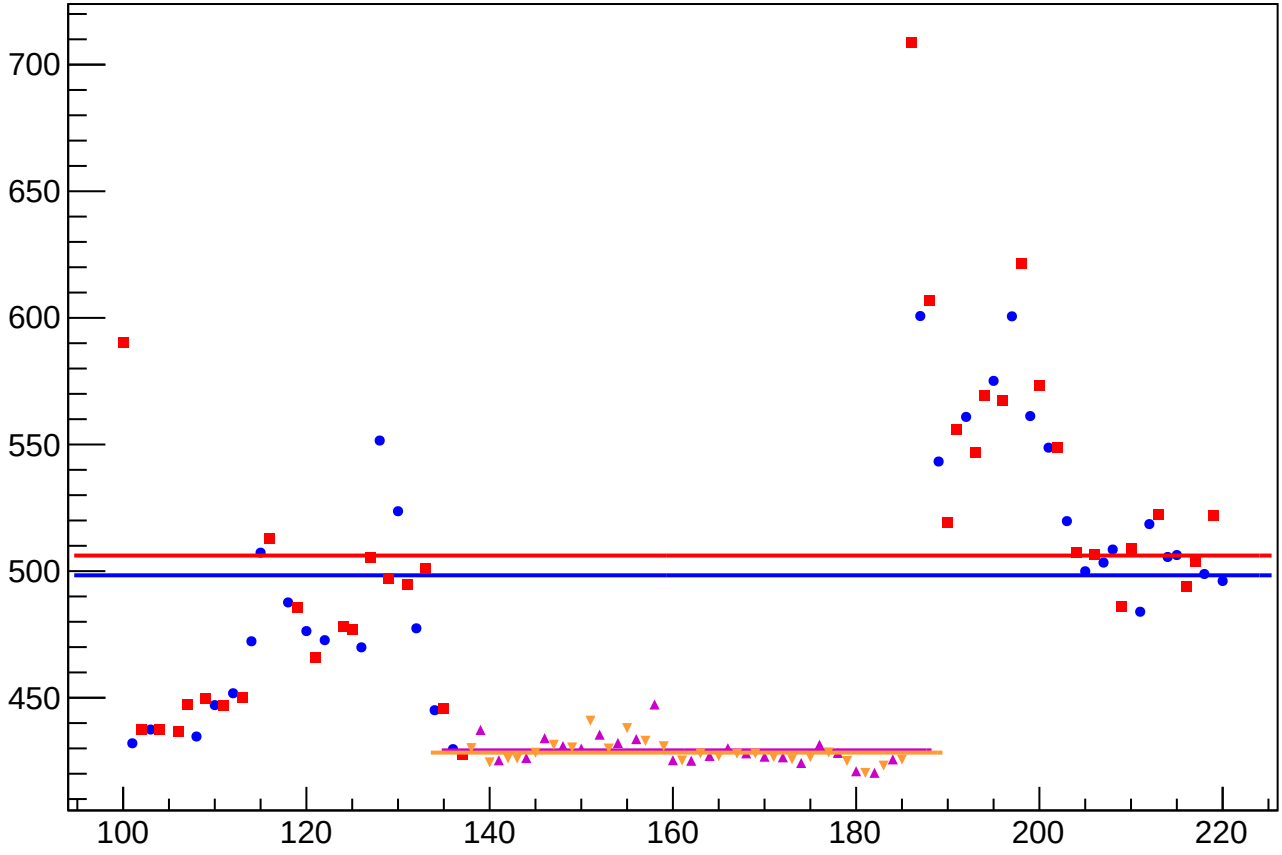
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.198+/-0.073 χ^2/NDF: 57.6/57

All: -0.197+/-0.052 χ^2/NDF: 118.1/117

- sign -0.195+/-0.074 χ^2/NDF: 60.5/59

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 498.350+/-0.077 χ^2/NDF: 336994.2/32

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.155+/-0.078 χ^2/NDF: 454195.0/36

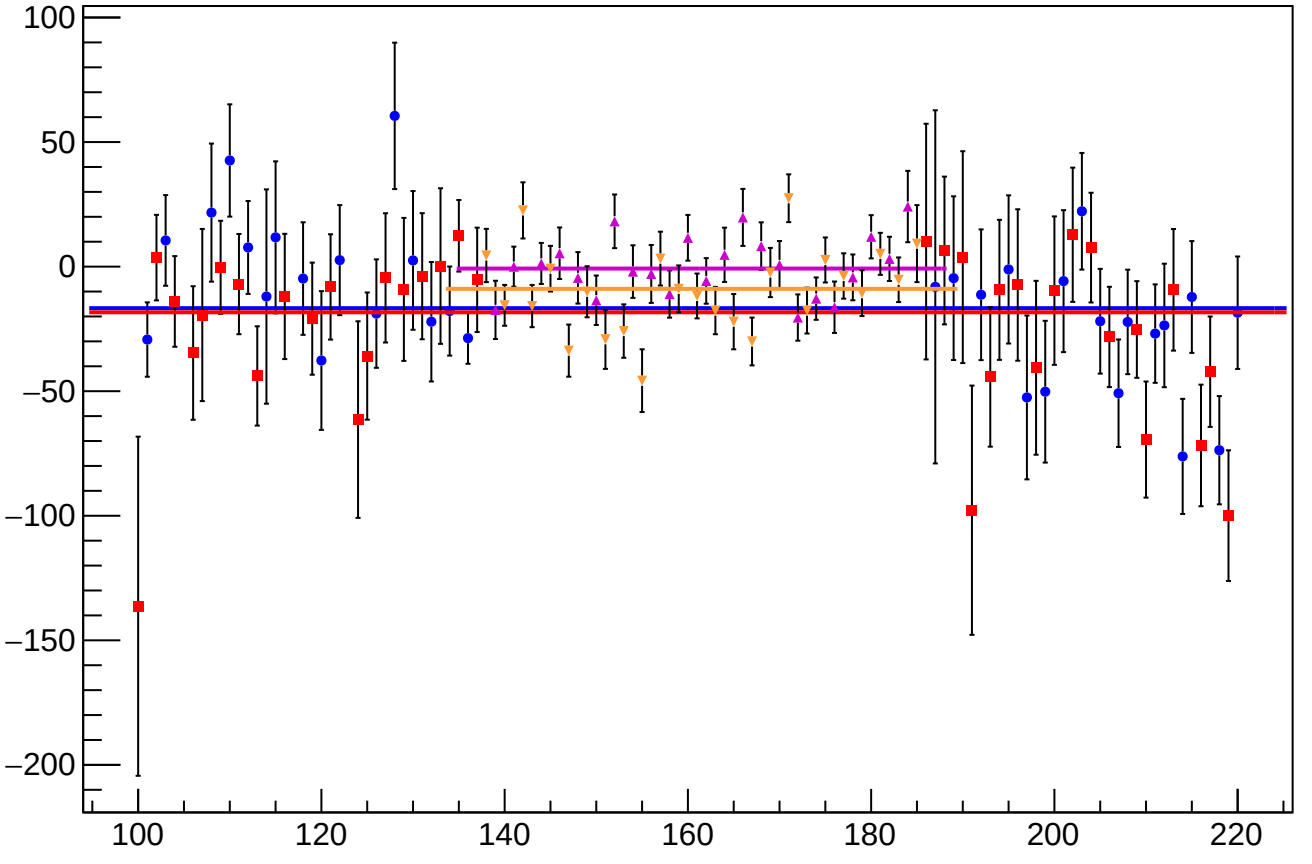
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 459.381+/-0.051 χ^2/NDF: 800001.0/57

All: 461.776+/-0.037 χ^2/NDF: 1801890.3/117

- sign 464.261+/-0.052 χ^2/NDF: 997454.9/59

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -16.672+/-3.858 χ^2/NDF: 47.3/32

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

Right Out: -18.331+/-4.001 χ^2/NDF: 45.1/36

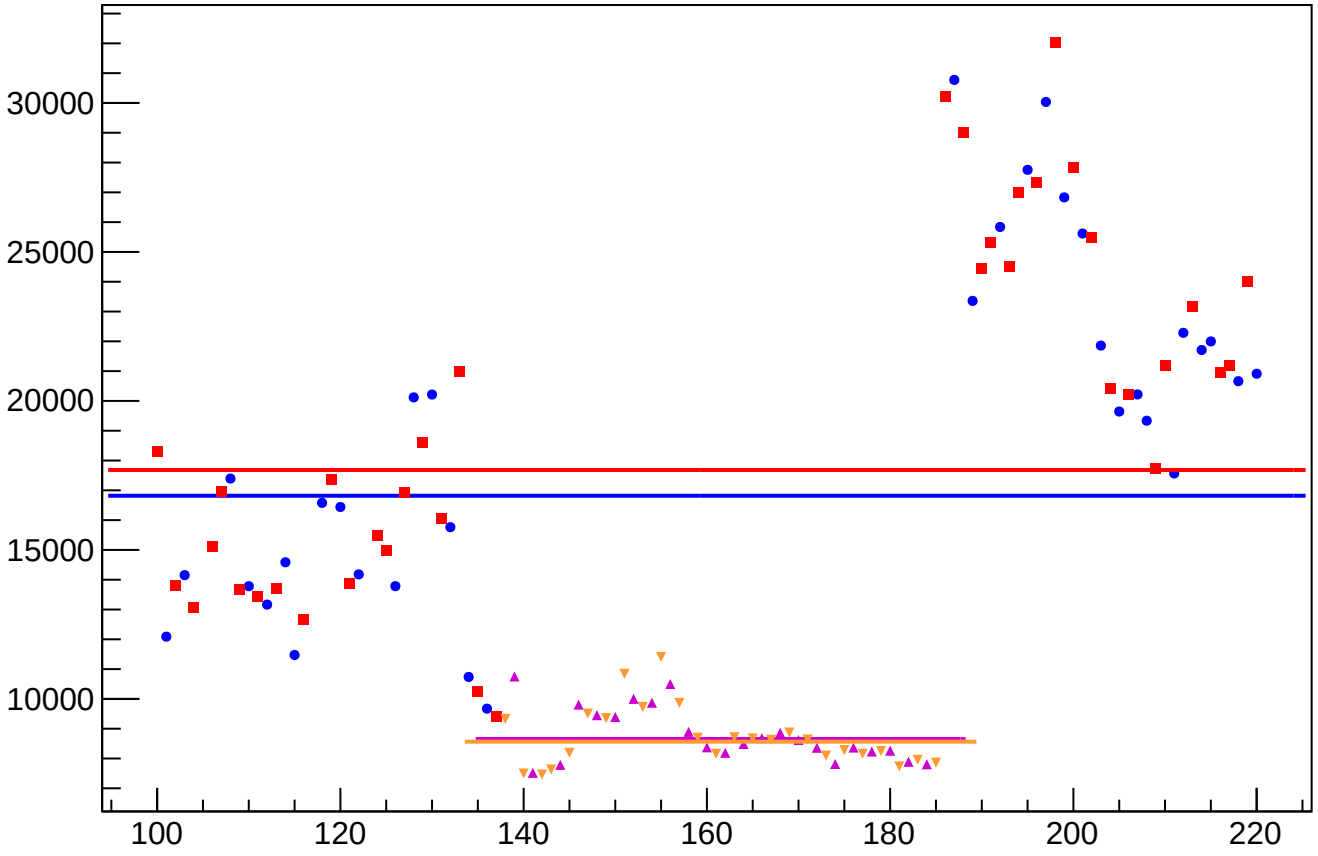
Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -10.499+/-1.748 χ^2/NDF: 112.0/57

All: -7.550+/-1.258 χ^2/NDF: 207.6/117

- sign -4.378+/-1.813 χ^2/NDF: 89.7/59

diff_bpm_4aX_4eX_avg_rms vs Slug



Right In: 16817.893+/-2.728 χ^2/NDF: 3803432.6/32

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 17683.320+/-2.829 χ^2/NDF: 3784615.6/36

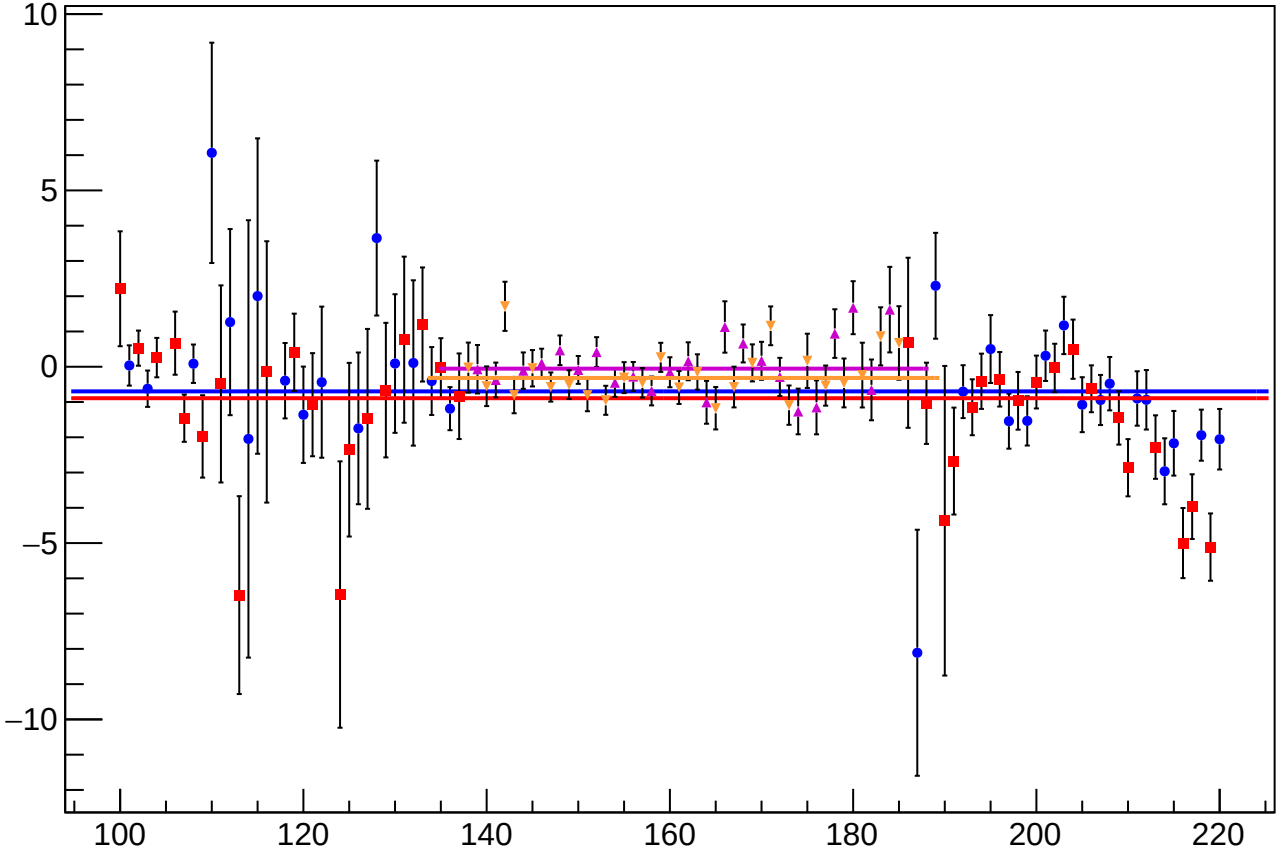
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 10258.541+/-1.236 χ^2/NDF: 11477249.2/57

All: 10378.913+/-0.890 χ^2/NDF: 23720689.1

- sign 10508.407+/-1.282 χ^2/NDF: 12223754.4/59

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.698+/-0.155 χ^2/NDF: 49.3/32

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.892+/-0.158 χ^2/NDF: 96.8/36

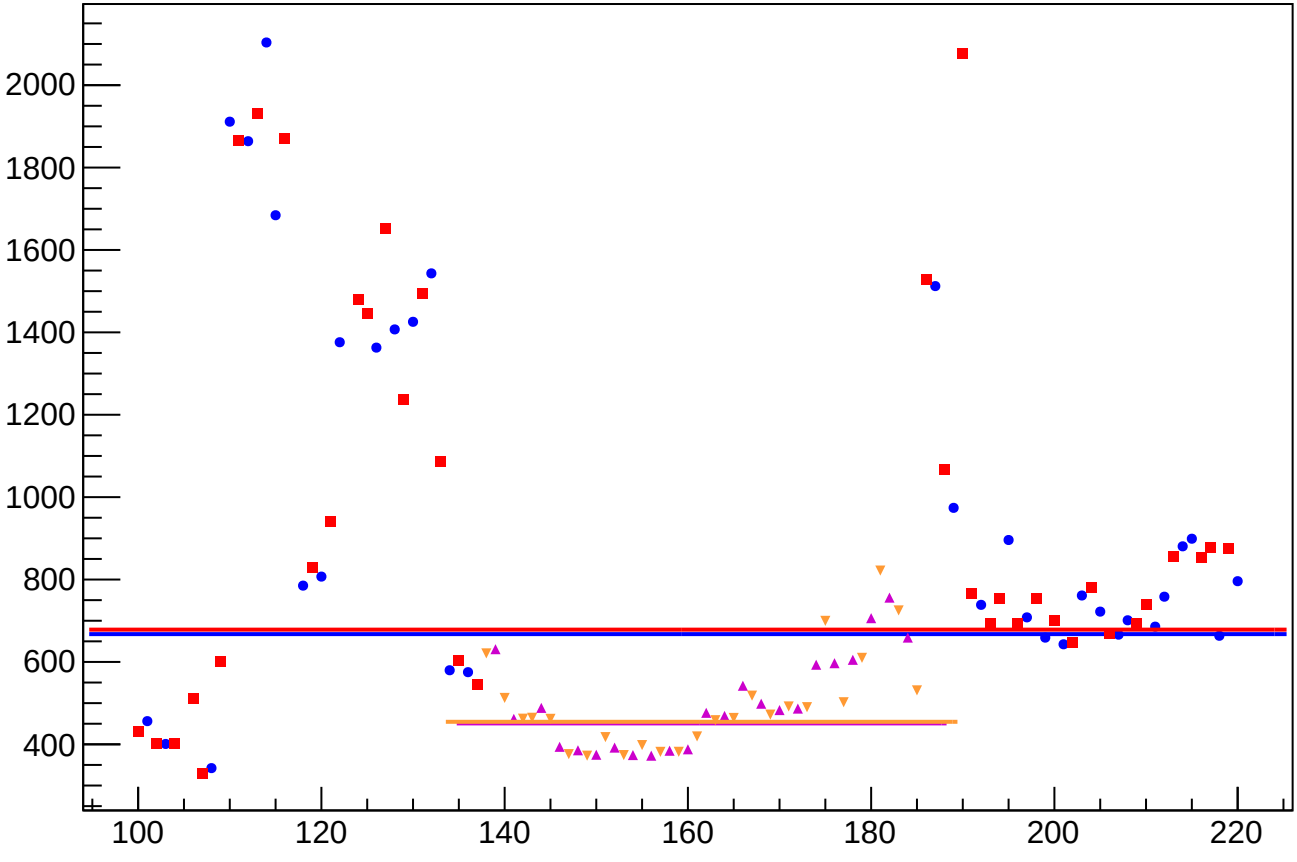
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.438+/-0.088 χ^2/NDF: 85.7/57

All: -0.381+/-0.063 χ^2/NDF: 232.3/117

- sign -0.321+/-0.089 χ^2/NDF: 145.7/59

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 667.522+/-0.110 χ^2/NDF: 4479988.9/32

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 678.413+/-0.112 χ^2/NDF: 5090149.0/36

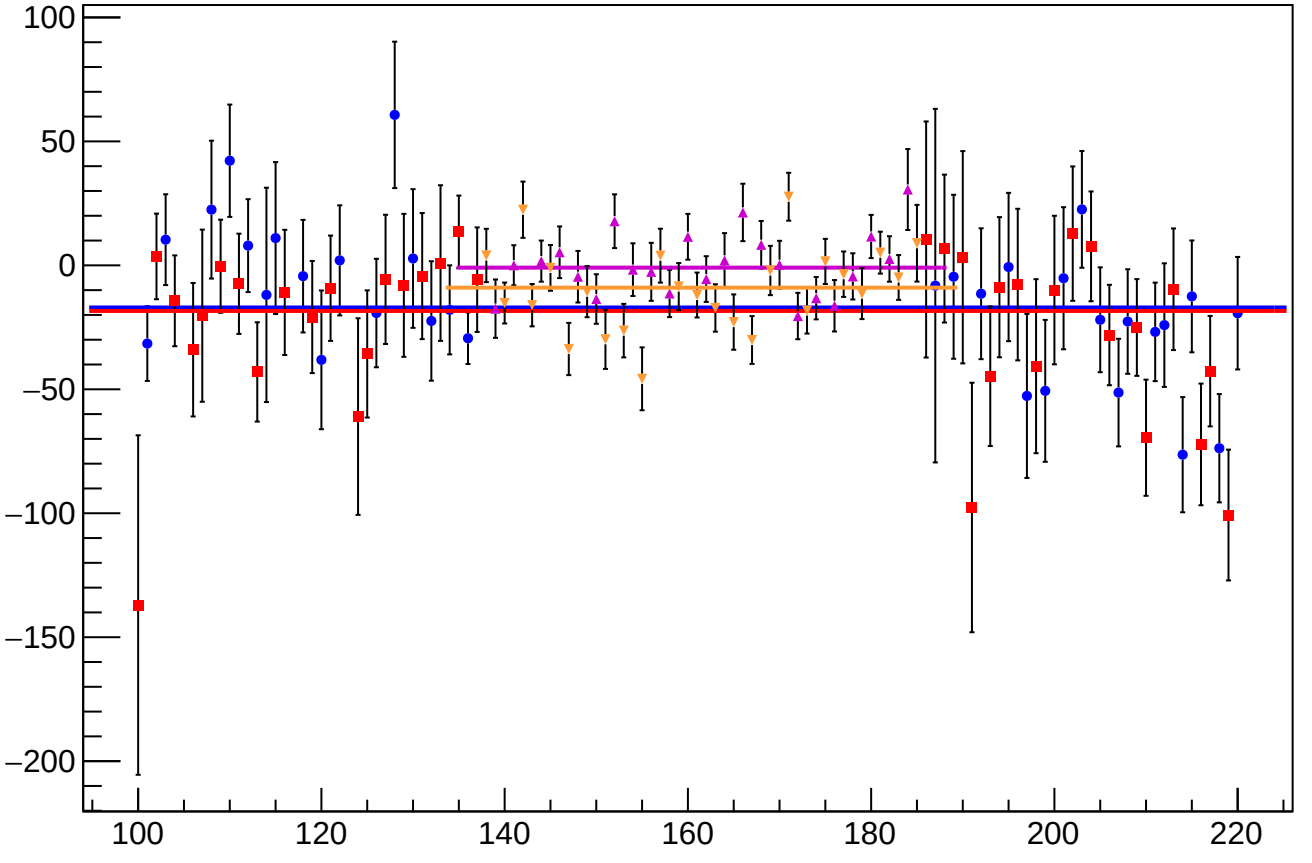
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 522.221+/-0.062 χ^2/NDF: 8490495.1/57

All: 522.712+/-0.044 χ^2/NDF: 17873299.0/11

- sign 523.222+/-0.063 χ^2/NDF: 9382675.8/59

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -17.001+/-3.883 χ^2/NDF: 47.5/32

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

Right Out: -18.388+/-4.027 χ^2/NDF: 44.9/36

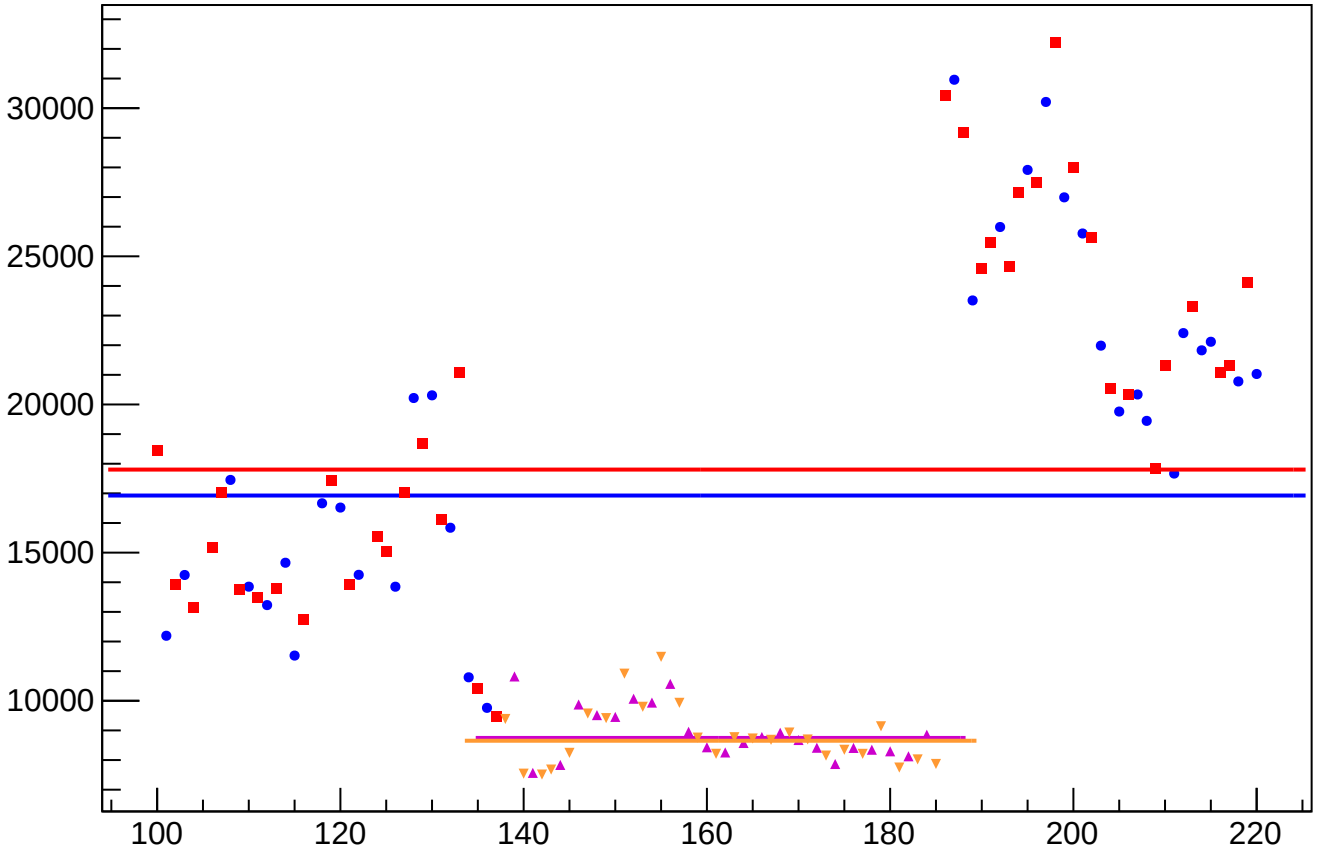
Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

+ sign -10.654+/-1.765 χ^2/NDF: 112.1/57

All: -7.706+/-1.271 χ^2/NDF: 207.6/117

- sign -4.535+/-1.831 χ^2/NDF: 89.7/59

diff_bpm_4aX_4ecX_avg_rms vs Slug



Right In: 16926.920+/-2.745 χ^2/NDF: 3784774.4/32

Left Out: 8651.872+/-1.401 χ^2/NDF:405419.4/24

Right Out: 17802.736+/-2.847 χ^2/NDF: 3758571.7/36

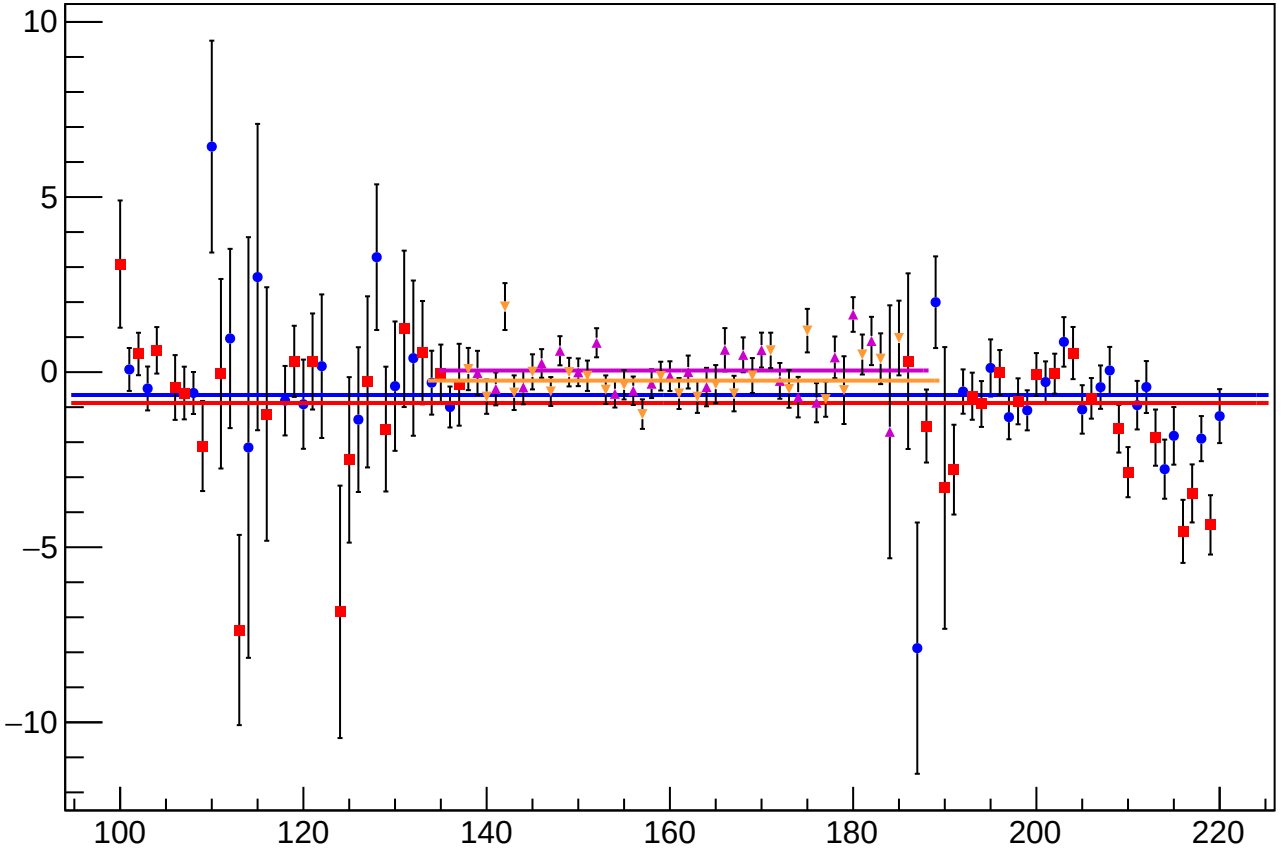
Left In: 8746.106+/-1.454 χ^2/NDF:331167.0/22

+ sign 10362.212+/-1.248 χ^2/NDF: 11397524.0/57

All: 10485.580+/-0.899 χ^2/NDF: 23532884.4

- sign 10618.307+/-1.295 χ^2/NDF: 12115079.9/59

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.653+/-0.144 χ^2/NDF: 42.9/32

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.881+/-0.148 χ^2/NDF: 97.2/36

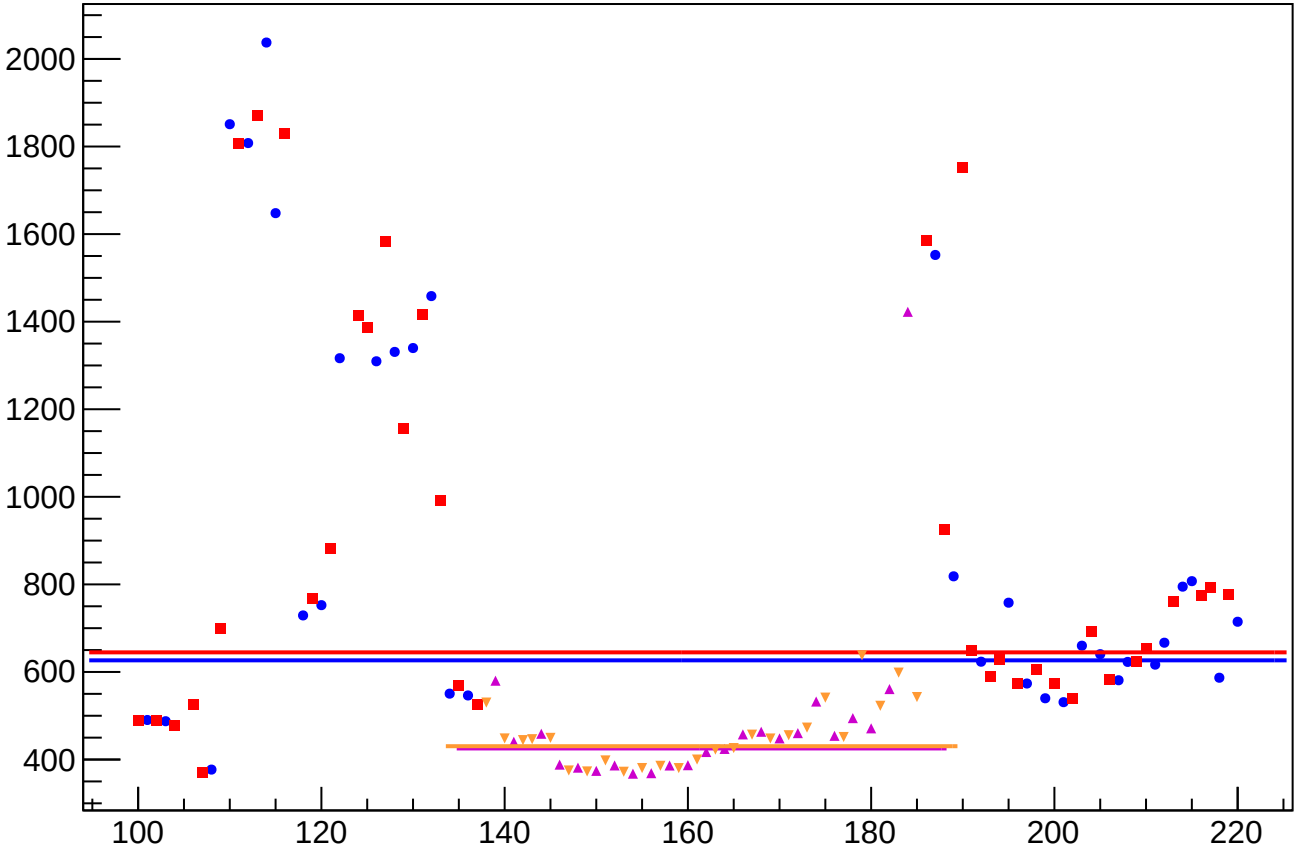
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.376+/-0.082 χ^2/NDF: 82.6/57

All: -0.314+/-0.059 χ^2/NDF: 242.7/117

- sign -0.250+/-0.084 χ^2/NDF: 158.9/59

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 626.533+/-0.102 χ^2/NDF: 3435813.3/32

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

Right Out: 644.768+/-0.105 χ^2/NDF: 3743099.2/36

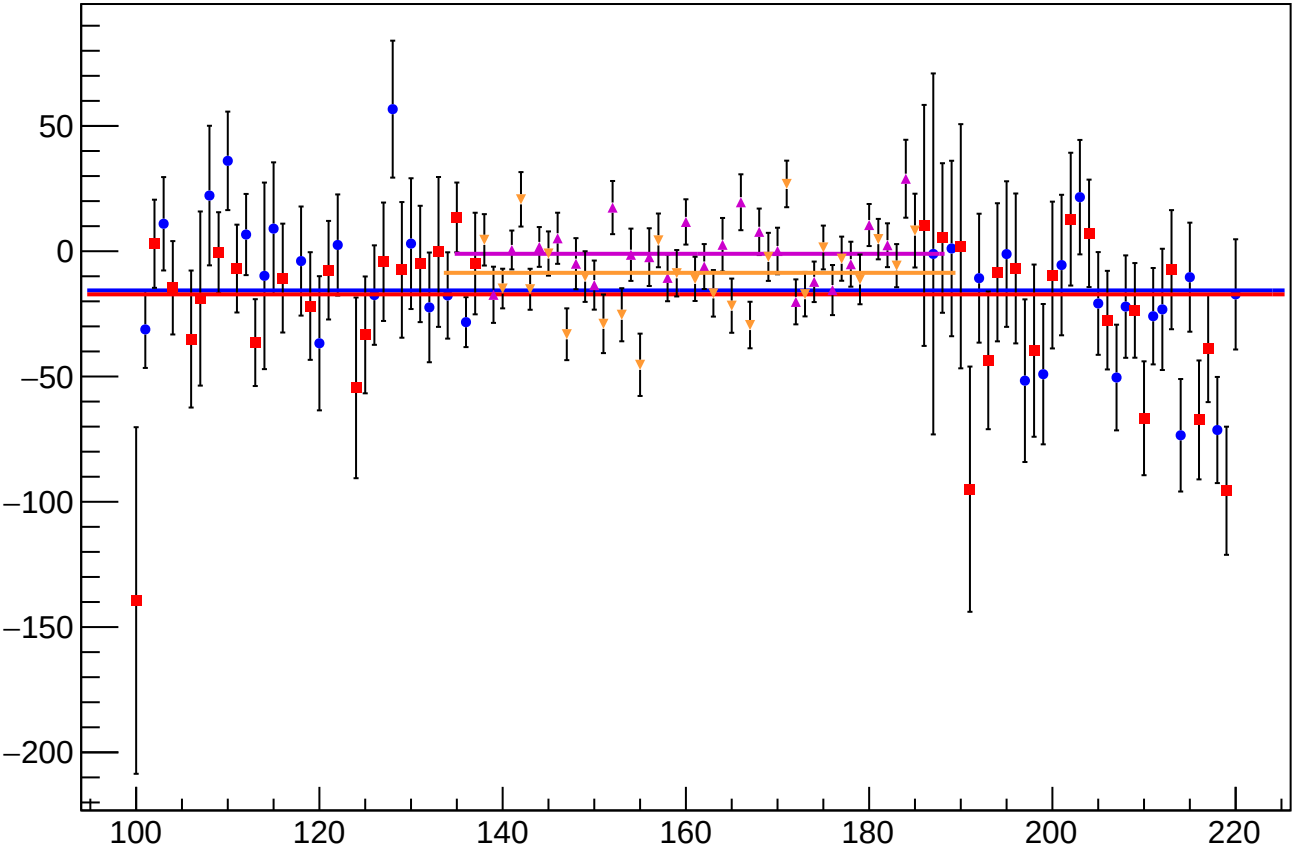
Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 494.346+/-0.058 χ^2/NDF: 6579929.7/57

All: 494.920+/-0.042 χ^2/NDF: 14026097.0/11

- sign 495.515+/-0.059 χ^2/NDF: 7445969.3/59

diff_bpm_4eX_4ecX_avg_mean vs Slug



Right In: -15.648+/-3.708 χ^2/NDF: 48.5/32

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

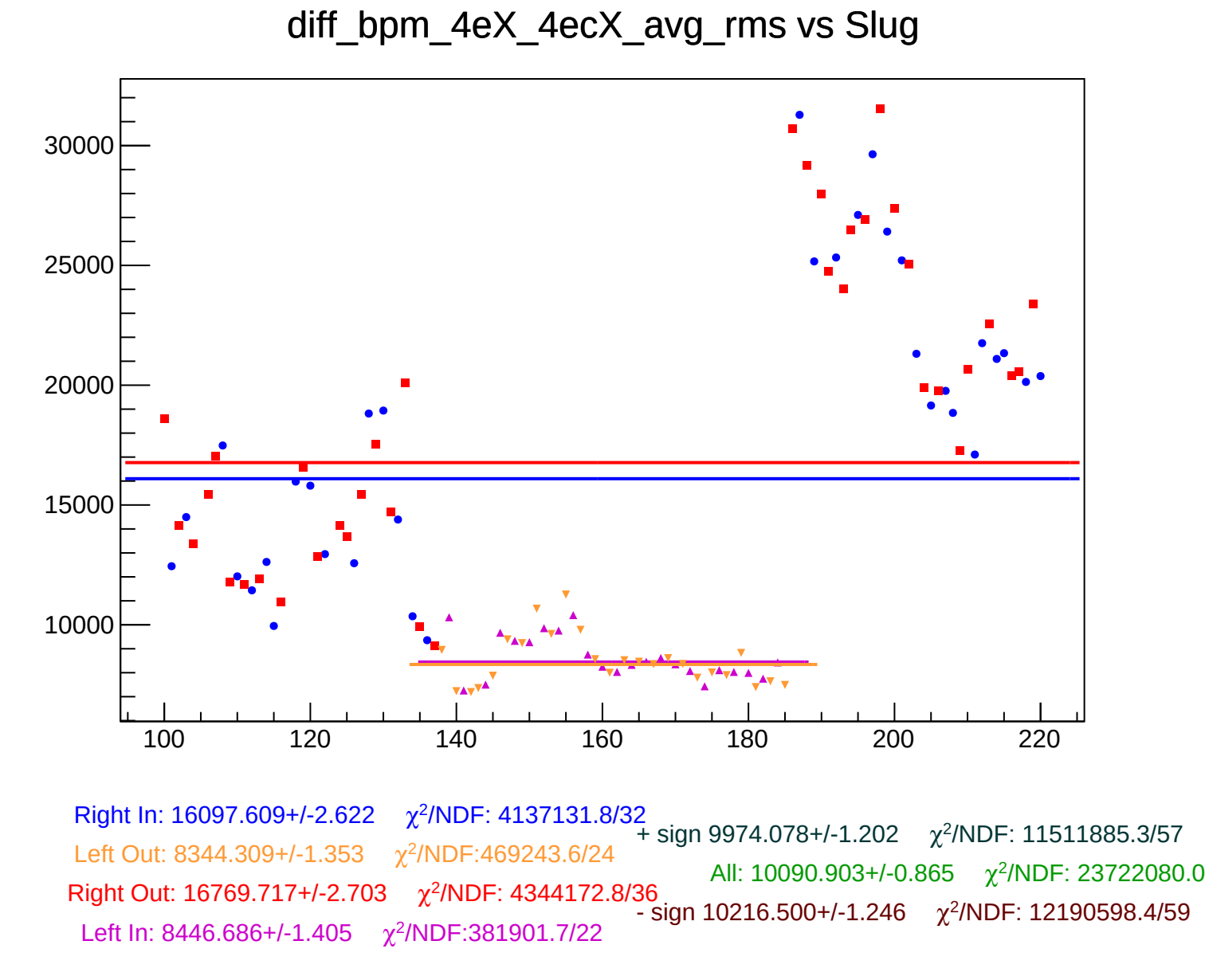
Right Out: -17.212+/-3.823 χ^2/NDF: 43.6/36

Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

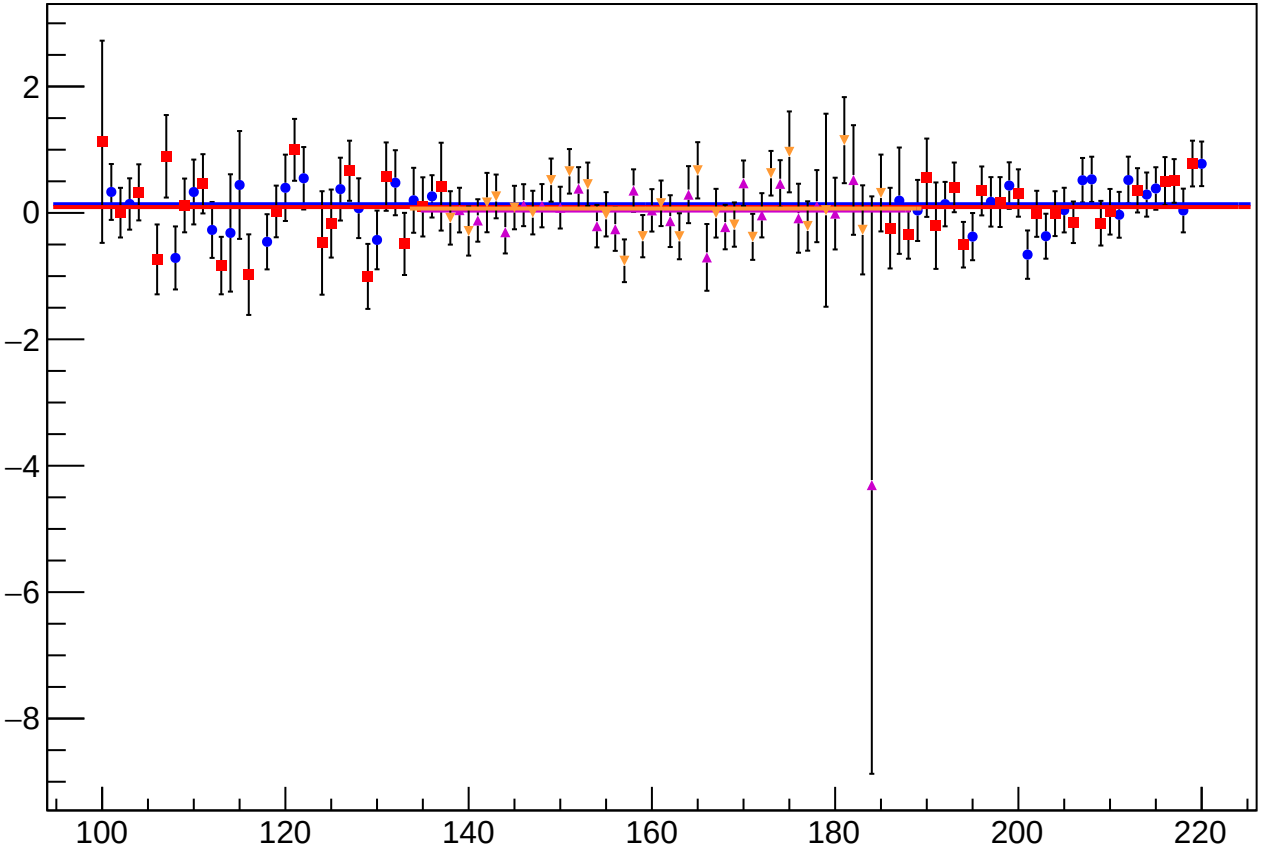
+ sign -10.099+/-1.700 χ^2/NDF: 112.9/57

All: -7.386+/-1.224 χ^2/NDF: 205.7/117

- sign -4.469+/-1.763 χ^2/NDF: 87.5/59


diff_bpm_4eX_4ecX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 16097.609+/-2.622 χ²/NDF: 4137131.8/32
Left Out: 8344.309+/-1.353 χ²/NDF:469243.6/24
Right Out: 16769.717+/-2.703 χ²/NDF: 4344172.8/36
Left In: 8446.686+/-1.405 χ²/NDF:381901.7/22
+ sign 9974.078+/-1.202 χ²/NDF: 11511885.3/57
All: 10090.903+/-0.865 χ²/NDF: 23722080.0
- sign 10216.500+/-1.246 χ²/NDF: 12190598.4/59

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.137+/-0.072 χ^2/NDF: 26.4/32

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.092+/-0.072 χ^2/NDF: 39.3/36

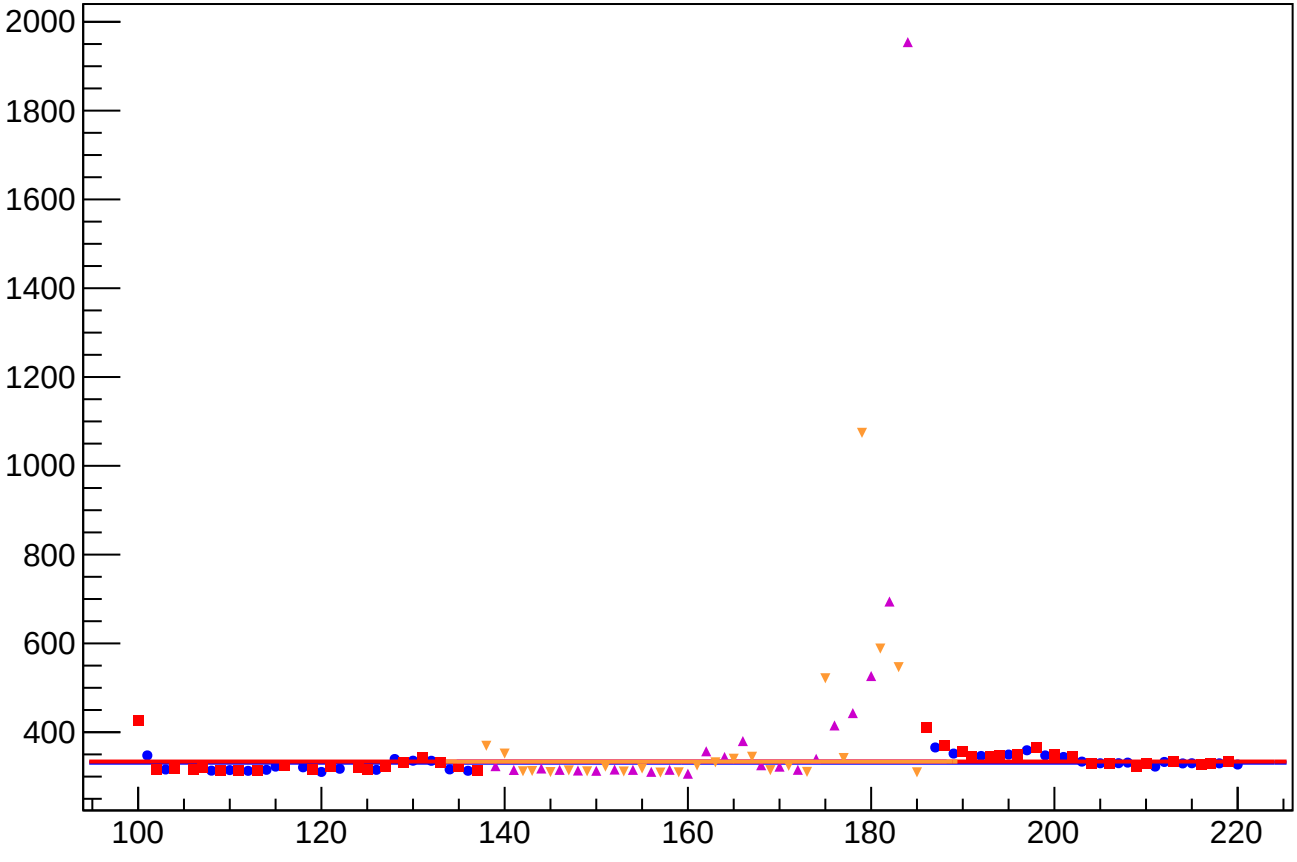
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.106+/-0.053 χ^2/NDF: 55.0/57

All: 0.087+/-0.038 χ^2/NDF: 106.4/117

- sign 0.068+/-0.054 χ^2/NDF: 51.2/59

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 331.296+/-0.051 χ^2/NDF: 64651.8/32

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

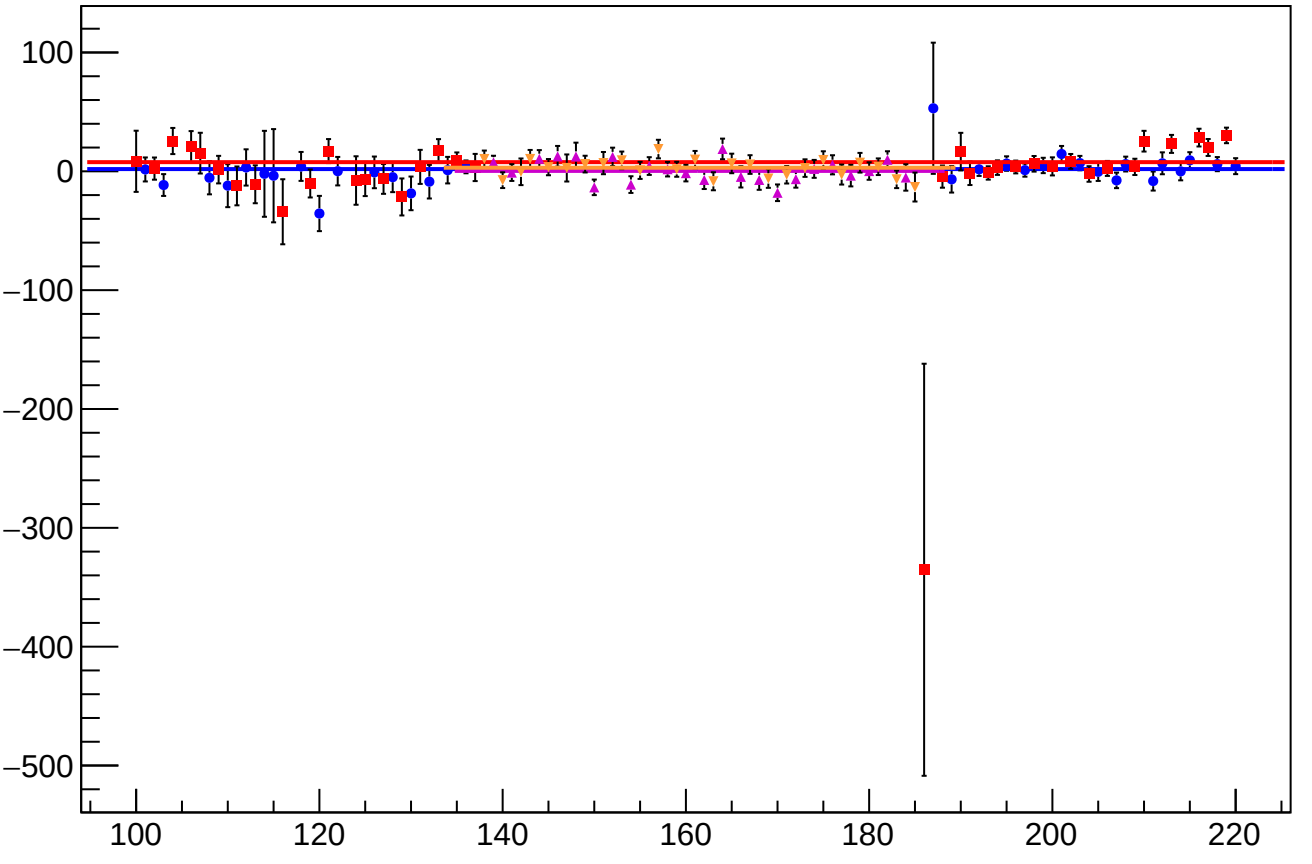
Right Out: 333.934+/-0.051 χ^2/NDF: 119773.9/36

Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 332.429+/-0.038 χ^2/NDF: 1282986.6/57

All: 333.185+/-0.027 χ^2/NDF: 2454554.0/117

- sign 333.954+/-0.038 χ^2/NDF: 1170758.5/59



Right In: 1.888+/-1.452 χ^2/NDF: 25.4/32

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

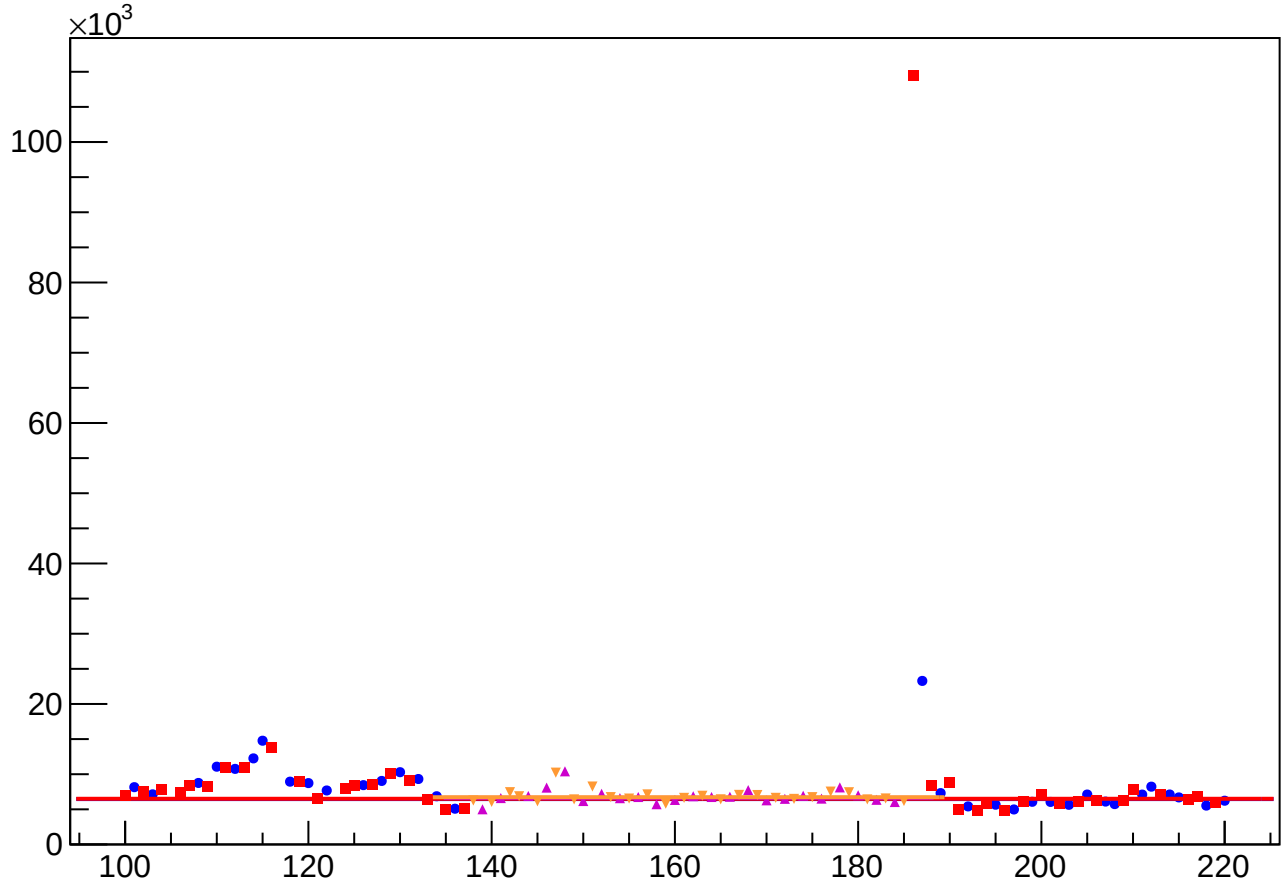
Right Out: 7.720+/-1.456 χ^2/NDF: 65.3/36

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 2.421+/-1.057 χ^2/NDF: 46.0/57

All: 3.356+/-0.751 χ^2/NDF: 158.5/117

- sign 4.309+/-1.067 χ^2/NDF: 110.9/59



Right In: 6459.261+/-1.026 χ^2/NDF: 1887807.6/32

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6501.673+/-1.030 χ^2/NDF: 2457223.1/36

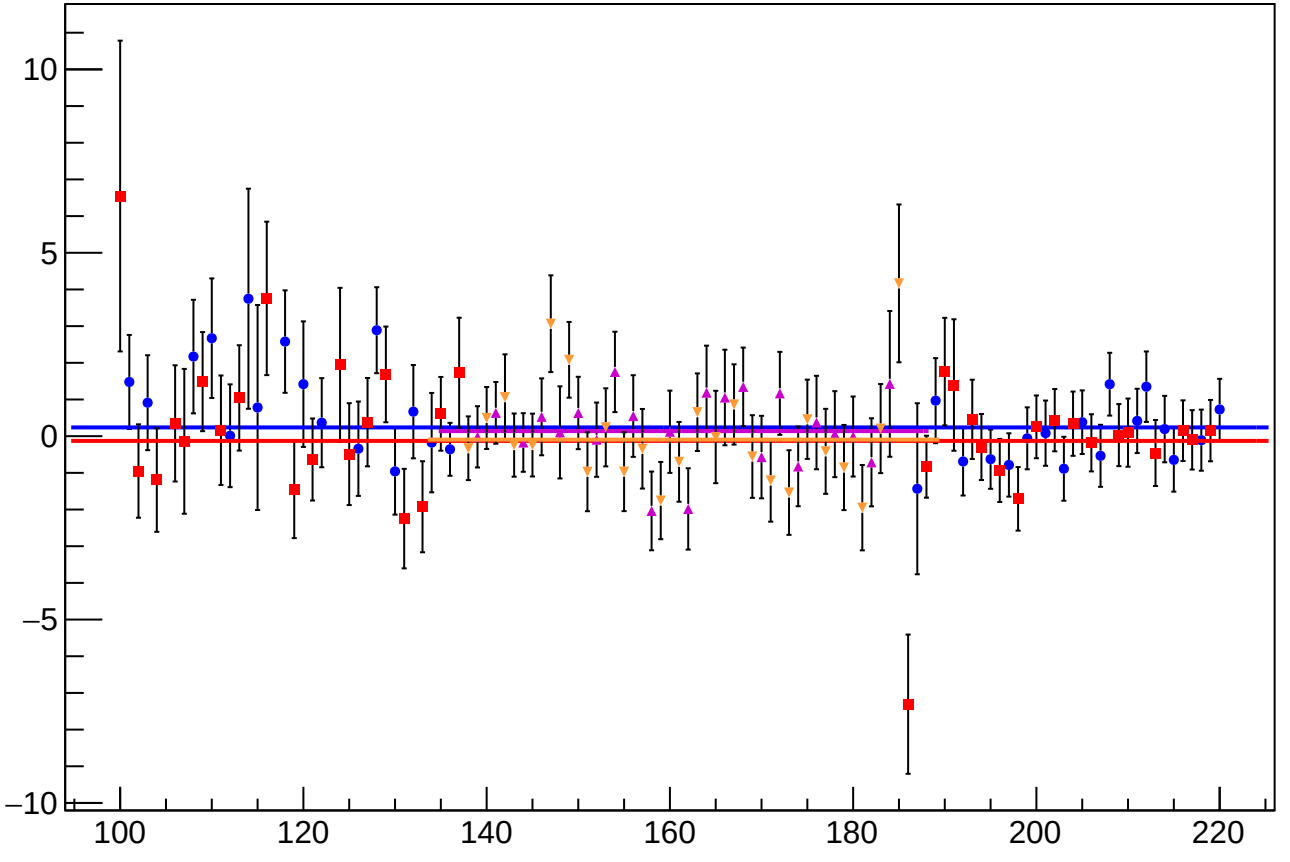
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6583.201+/-0.747 χ^2/NDF: 2322147.2/57

All: 6572.877+/-0.531 χ^2/NDF: 5416745.7/11

- sign 6562.350+/-0.755 χ^2/NDF: 3094213.0/59

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.239+/-0.182 χ^2/NDF: 28.9/32

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.129+/-0.180 χ^2/NDF: 43.4/36

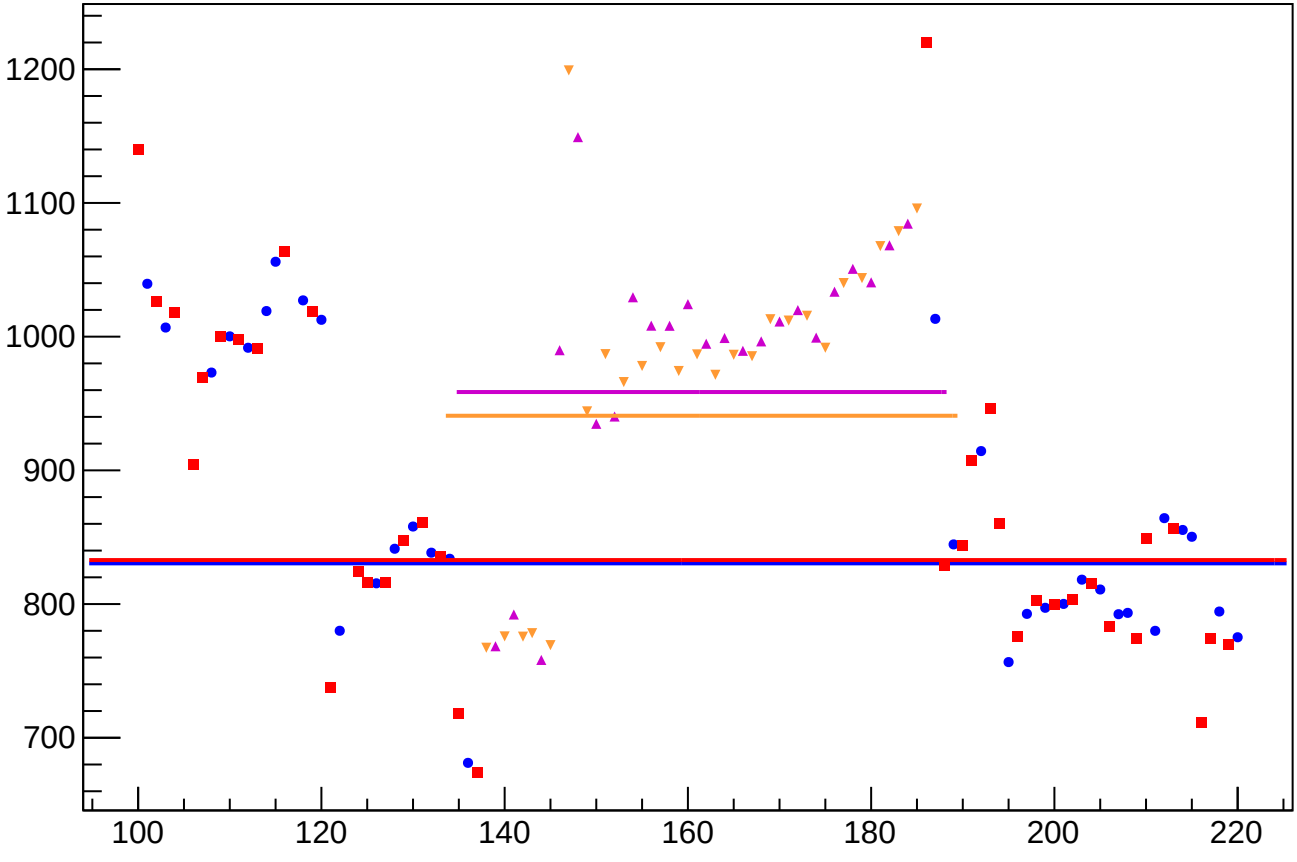
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.100+/-0.139 χ^2/NDF: 57.7/57

All: 0.039+/-0.099 χ^2/NDF: 118.8/117

- sign -0.025+/-0.141 χ^2/NDF: 60.8/59

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 830.439+/-0.129 χ^2/NDF: 417650.3/32

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 832.902+/-0.128 χ^2/NDF: 525311.6/36

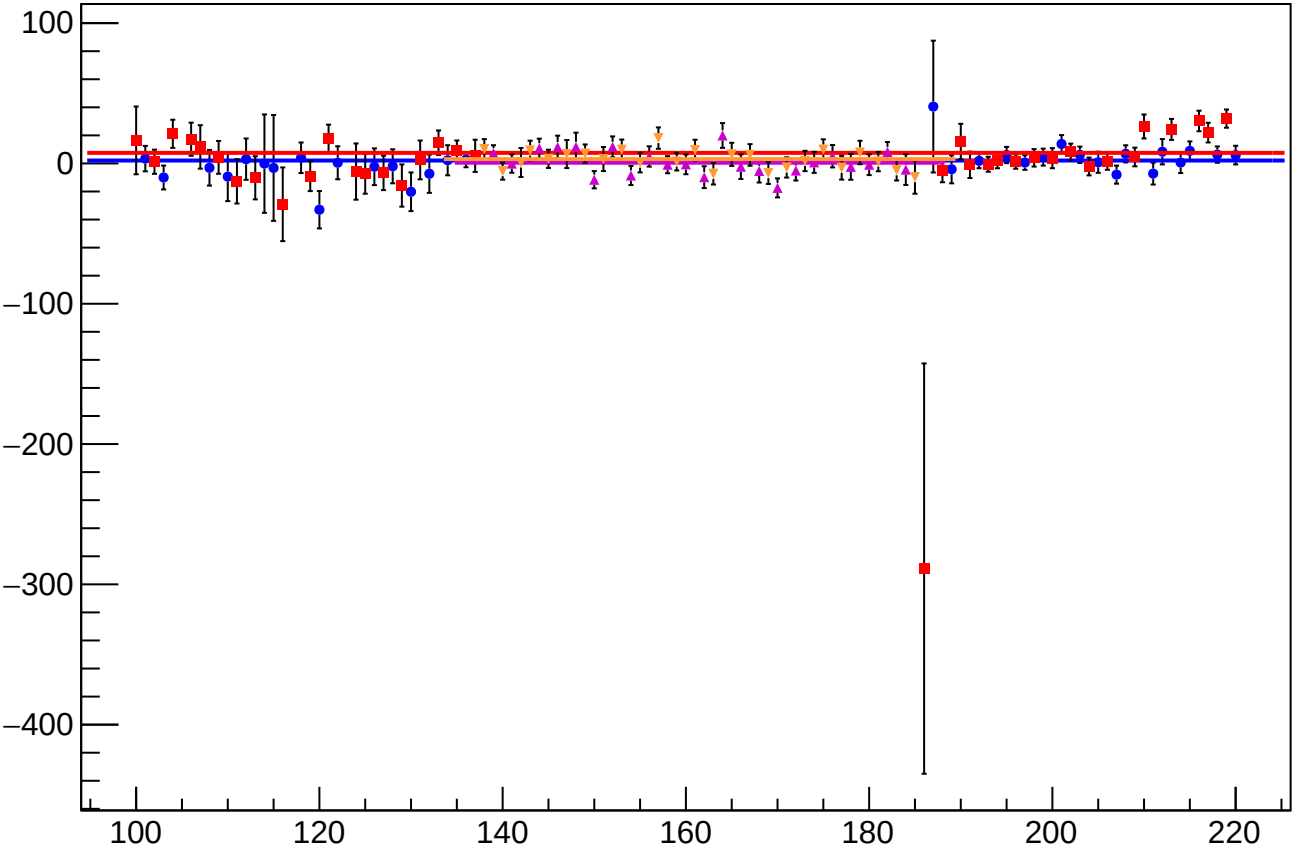
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 876.368+/-0.098 χ^2/NDF: 1293343.6/57

All: 879.151+/-0.070 χ^2/NDF: 2656106.9/117

- sign 882.012+/-0.100 χ^2/NDF: 1361136.0/59

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 2.079+/-1.397 χ^2/NDF: 25.6/32

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 7.545+/-1.394 χ^2/NDF: 72.1/36

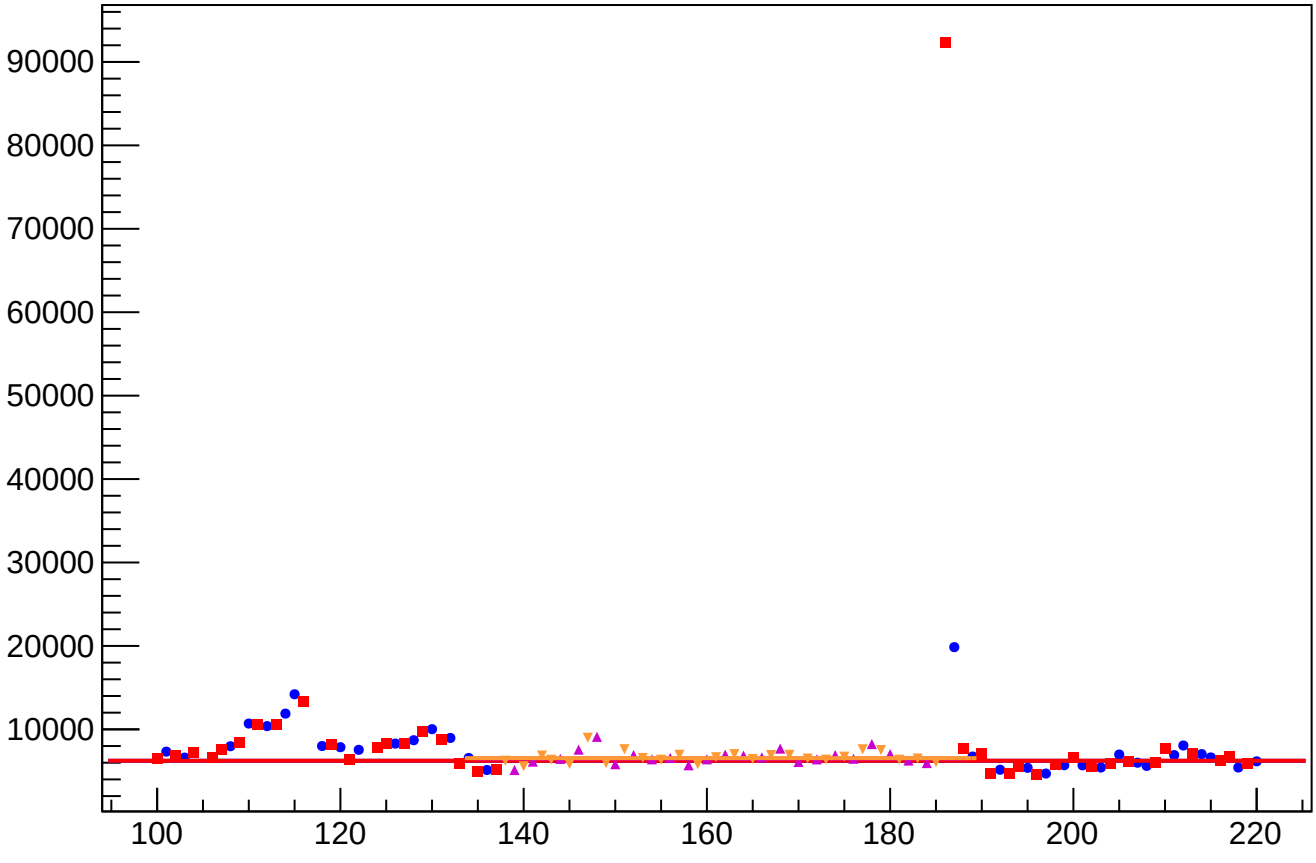
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 2.553+/-1.023 χ^2/NDF: 44.4/57

All: 3.453+/-0.726 χ^2/NDF: 161.5/117

- sign 4.369+/-1.032 χ^2/NDF: 115.5/59

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6228.200+/-0.988 χ^2/NDF: 1806844.0/32

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6236.130+/-0.986 χ^2/NDF: 2403754.8/36

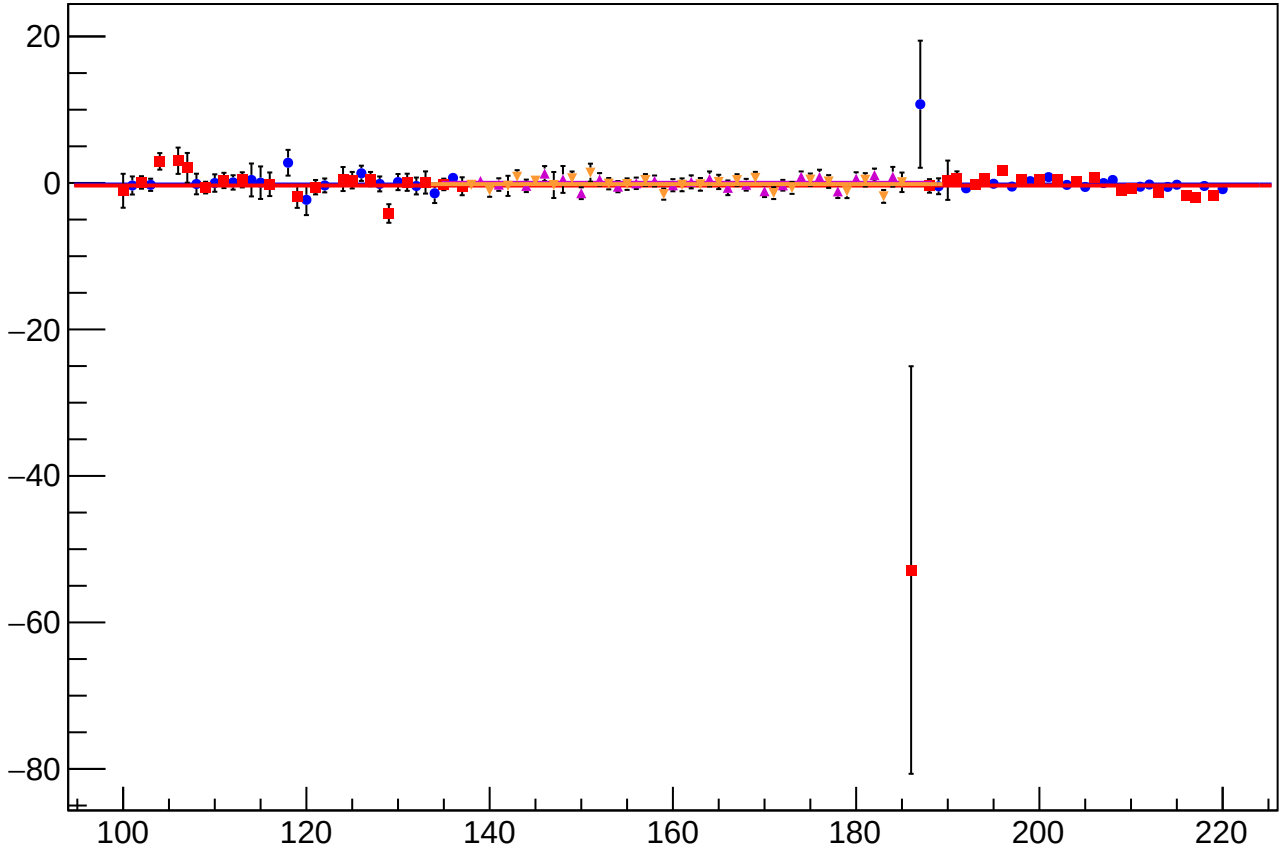
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

\+ sign 6377.189+/-0.723 χ^2/NDF: 2221849.5/57

All: 6367.527+/-0.514 χ^2/NDF: 5175108.2/11

\- sign 6357.687+/-0.730 χ^2/NDF: 2952898.2/59

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.214+/-0.112 χ^2/NDF: 21.6/32

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: -0.353+/-0.116 χ^2/NDF: 102.1/36

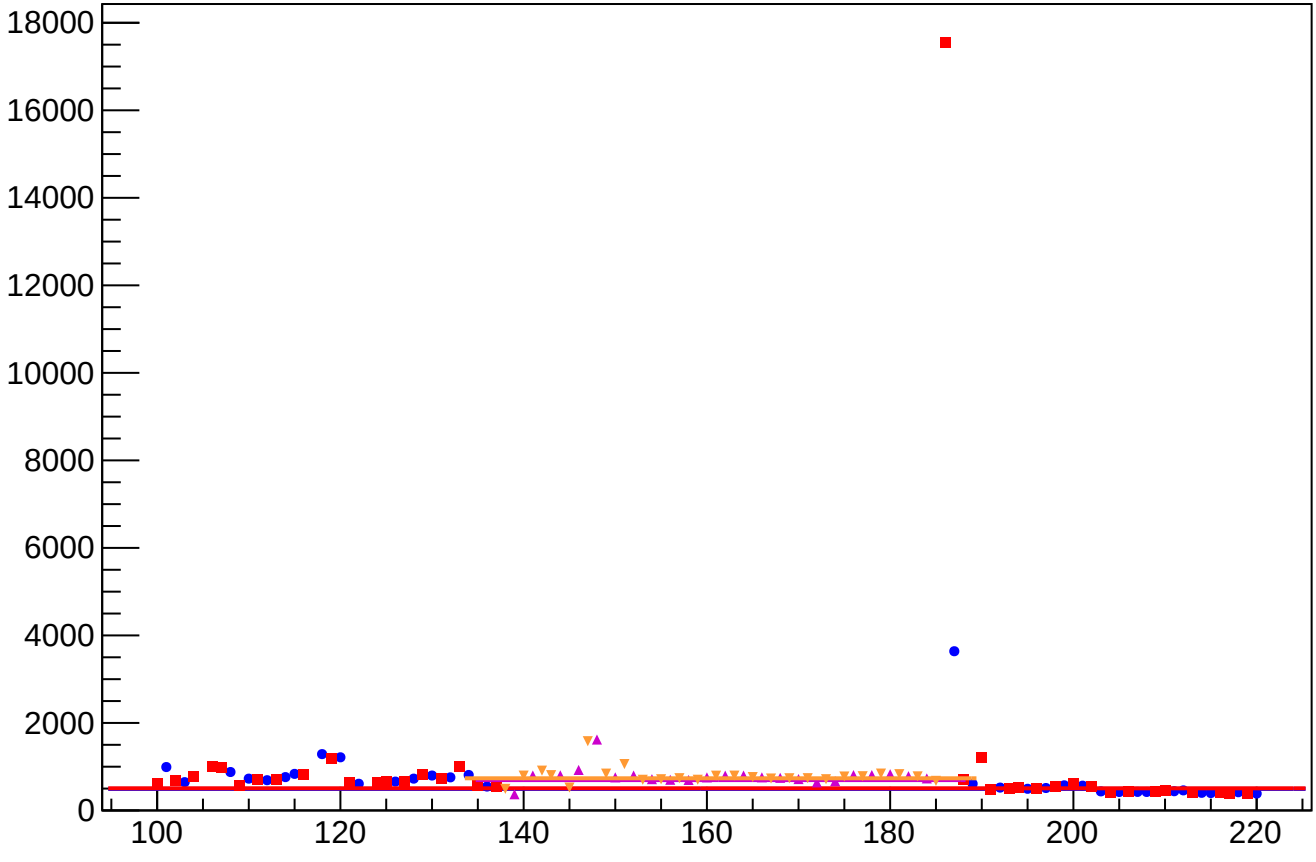
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.199+/-0.094 χ^2/NDF: 40.7/57

All: -0.217+/-0.067 χ^2/NDF: 161.3/117

- sign -0.235+/-0.095 χ^2/NDF: 120.6/59

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 492.454+/-0.079 χ^2/NDF: 2958589.9/32

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 506.039+/-0.082 χ^2/NDF: 3393972.1/36

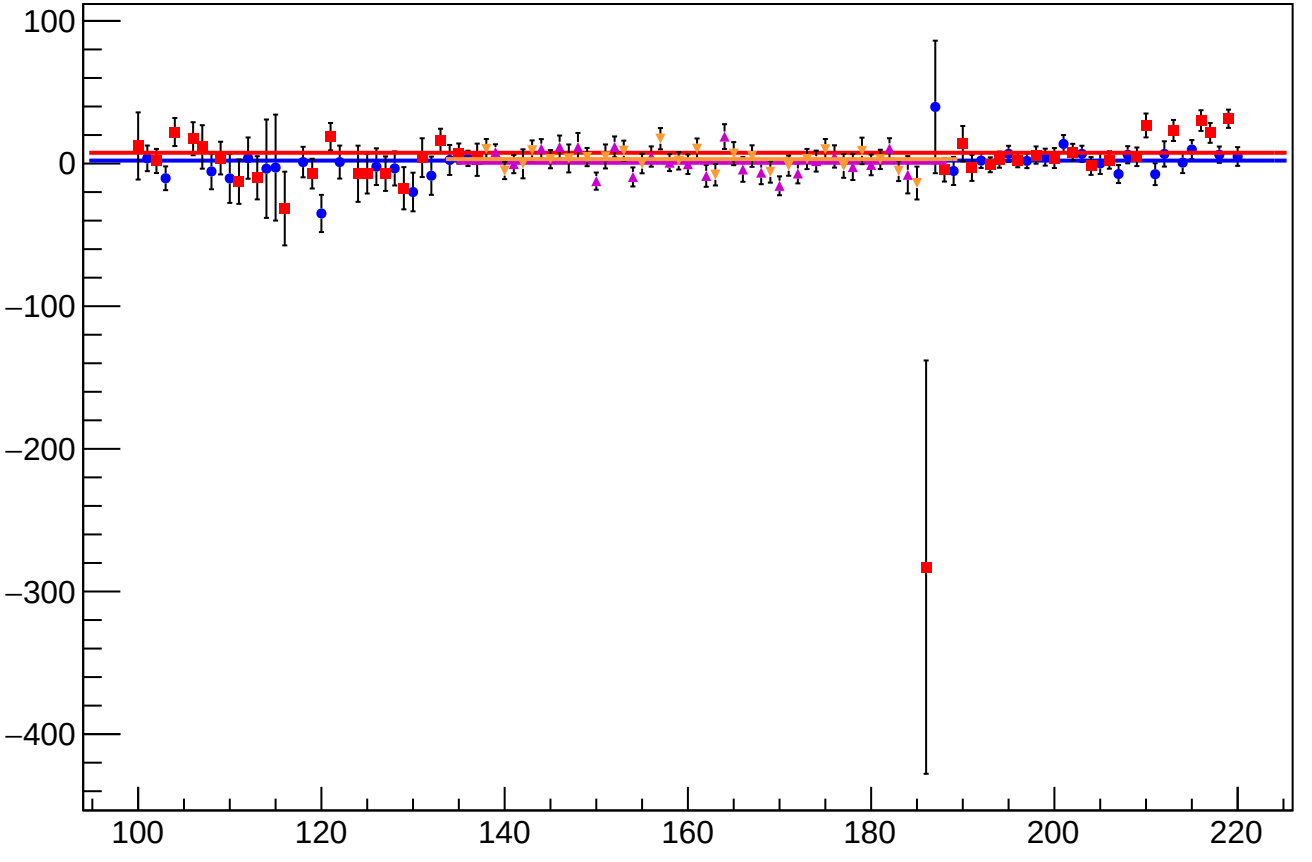
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 564.888+/-0.067 χ^2/NDF: 7083403.7/57

All: 565.414+/-0.047 χ^2/NDF: 14389855.3/11

- sign 565.956+/-0.067 χ^2/NDF: 7306324.7/59

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 2.080+/-1.371 χ^2/NDF: 27.9/32

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

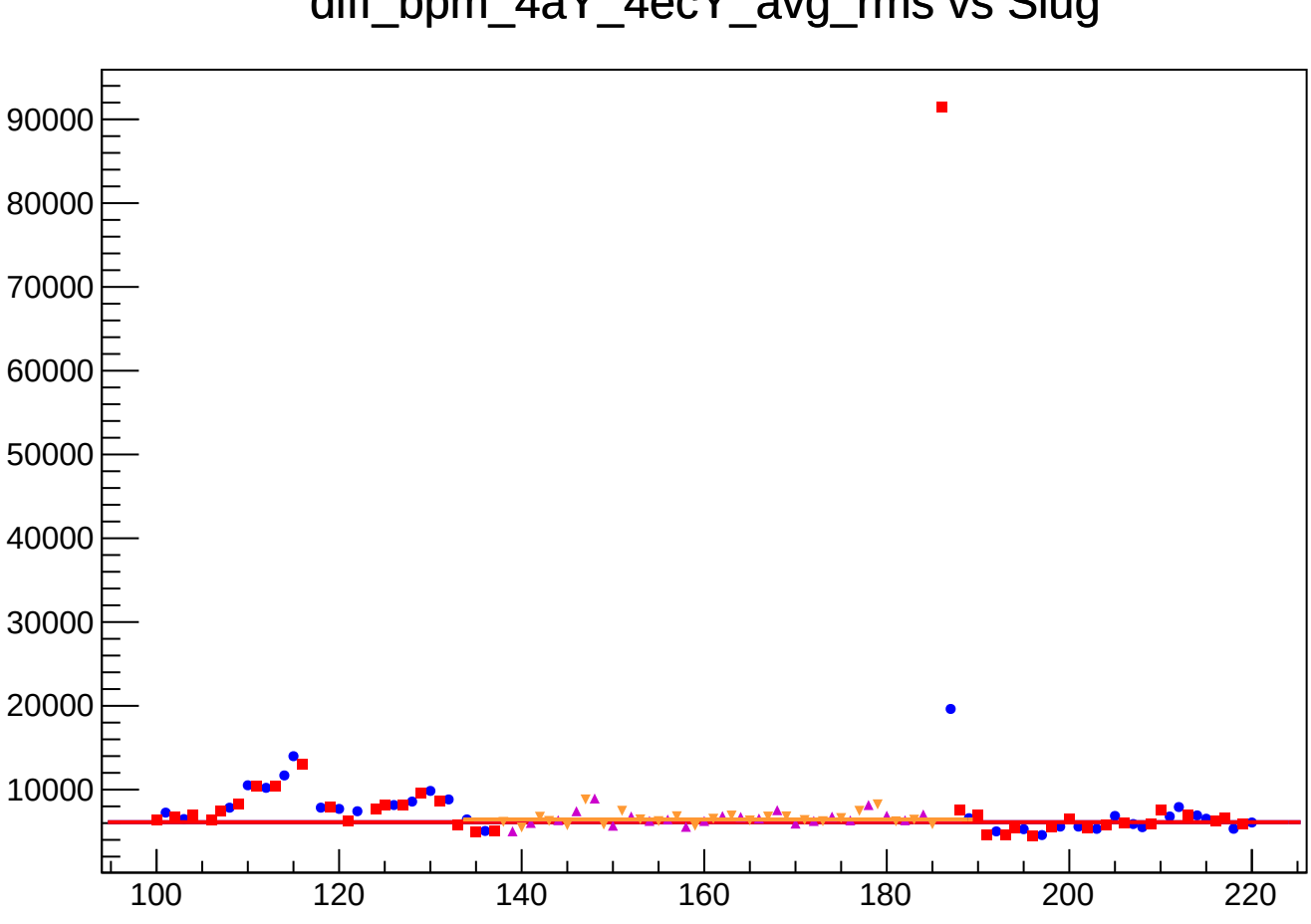
Right Out: 7.564+/-1.367 χ^2/NDF: 72.5/36

Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 2.558+/-1.005 χ^2/NDF: 46.9/57

All: 3.475+/-0.714 χ^2/NDF: 166.4/117

- sign 4.410+/-1.014 χ^2/NDF: 117.9/59



Right In: 6106.945+/-0.970 χ^2/NDF: 1837717.2/32

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

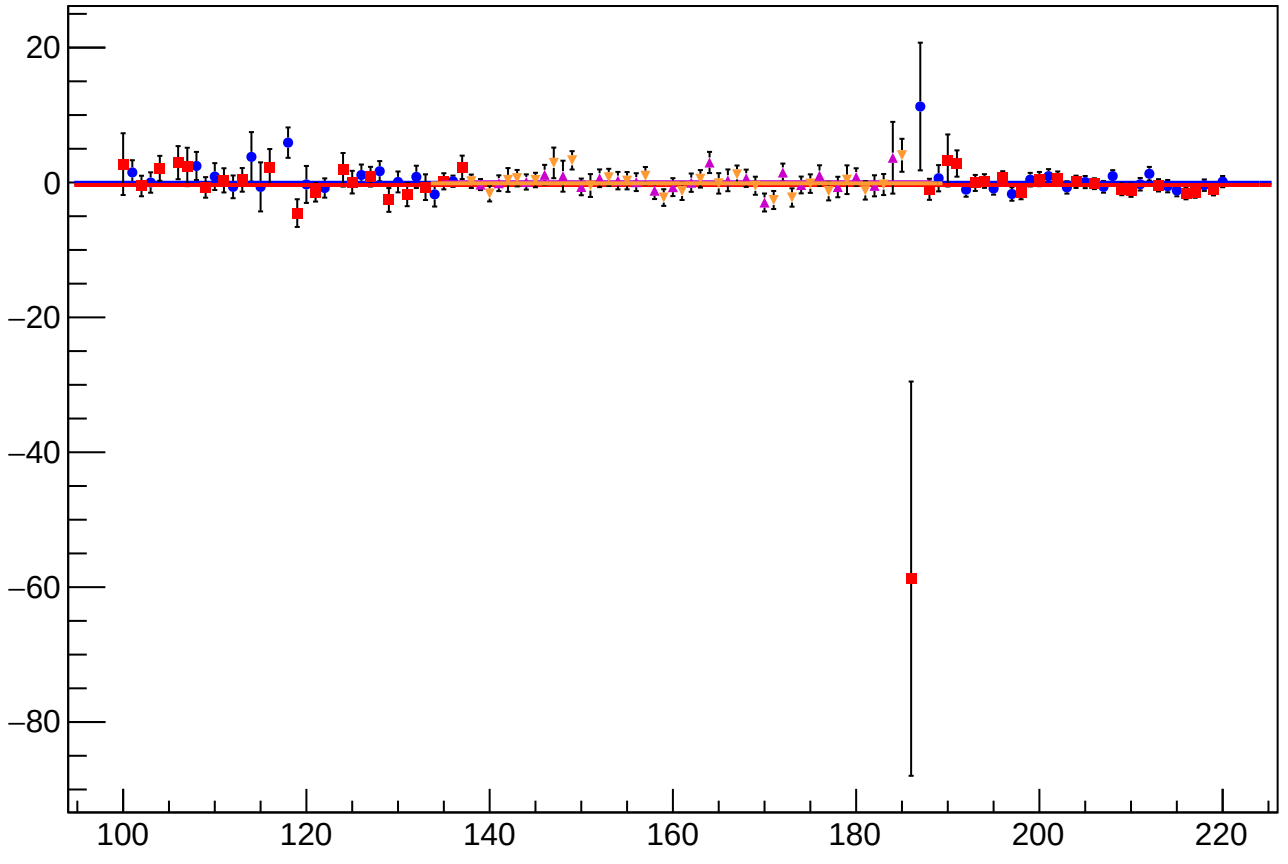
Right Out: 6112.024+/-0.967 χ^2/NDF: 2430142.7/36

Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6259.058+/-0.710 χ^2/NDF: 2308175.0/57

All: 6251.538+/-0.505 χ^2/NDF: 5304988.0/11

- sign 6243.874+/-0.717 χ^2/NDF: 2996586.7/59



Right In: -0.040+/-0.205 χ^2/NDF: 27.5/32

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: -0.370+/-0.208 χ^2/NDF: 36.1/36

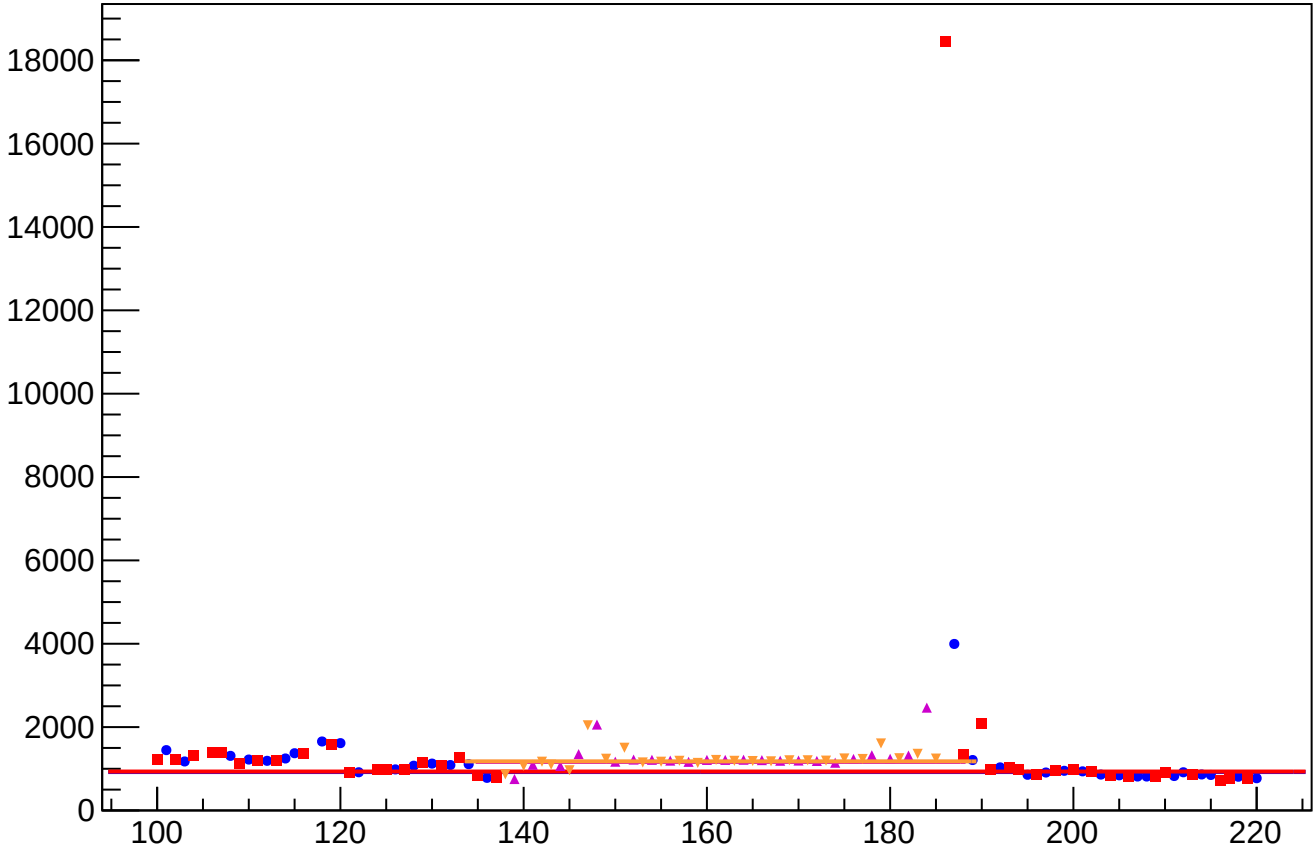
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.070+/-0.164 χ^2/NDF: 54.6/57

All: -0.147+/-0.117 χ^2/NDF: 106.9/117

- sign -0.227+/-0.167 χ^2/NDF: 51.8/59

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 921.302+/-0.145 χ^2/NDF: 1448856.2/32

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

Right Out: 933.832+/-0.147 χ^2/NDF: 2285040.0/36

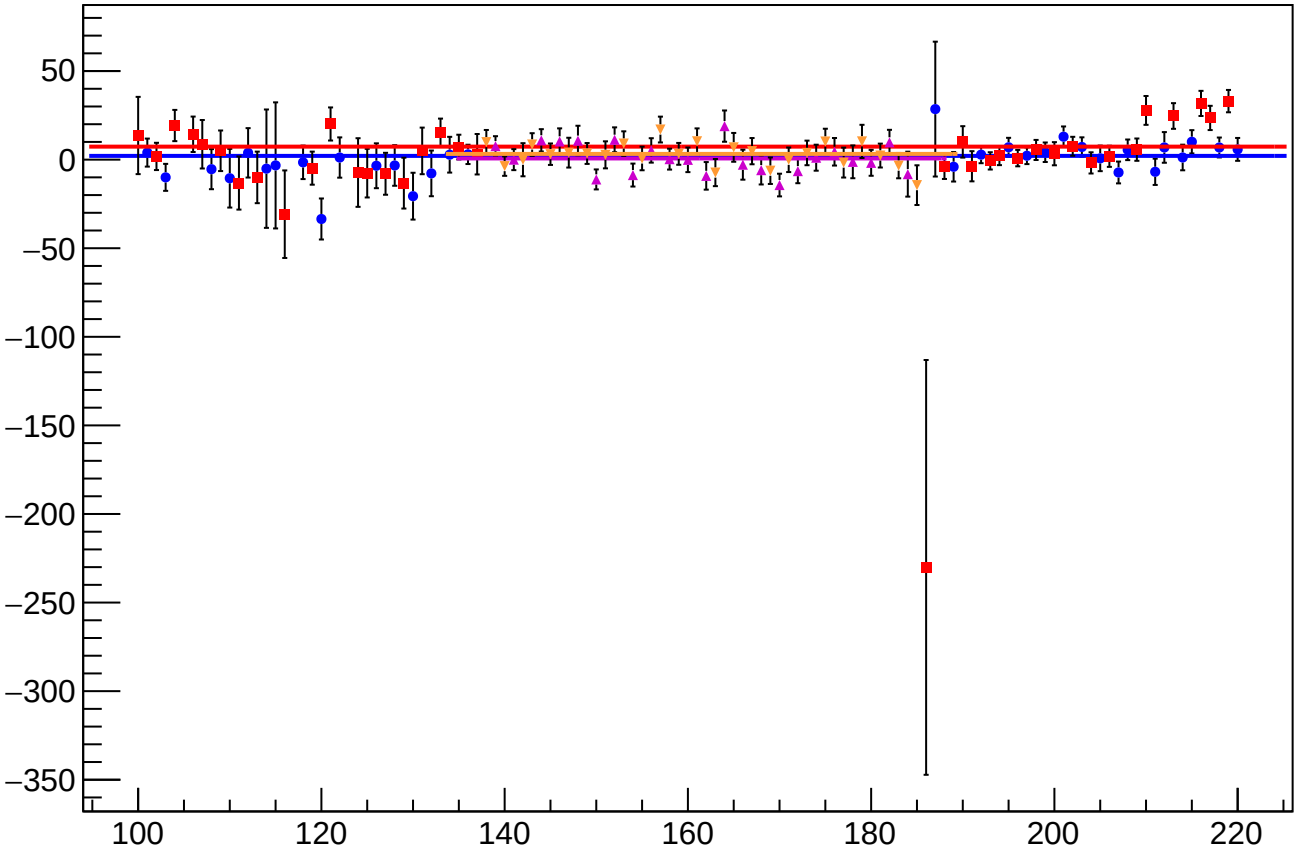
Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1013.827+/-0.116 χ^2/NDF: 3374664.5/57

All: 1015.086+/-0.083 χ^2/NDF: 7586072.7/11

- sign 1016.387+/-0.118 χ^2/NDF: 4211169.1/59

diff_bpm_4eY_4ecY_avg_mean vs Slug



Right In: 2.118+/-1.305 χ^2/NDF: 30.7/32

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 7.342+/-1.290 χ^2/NDF: 82.6/36

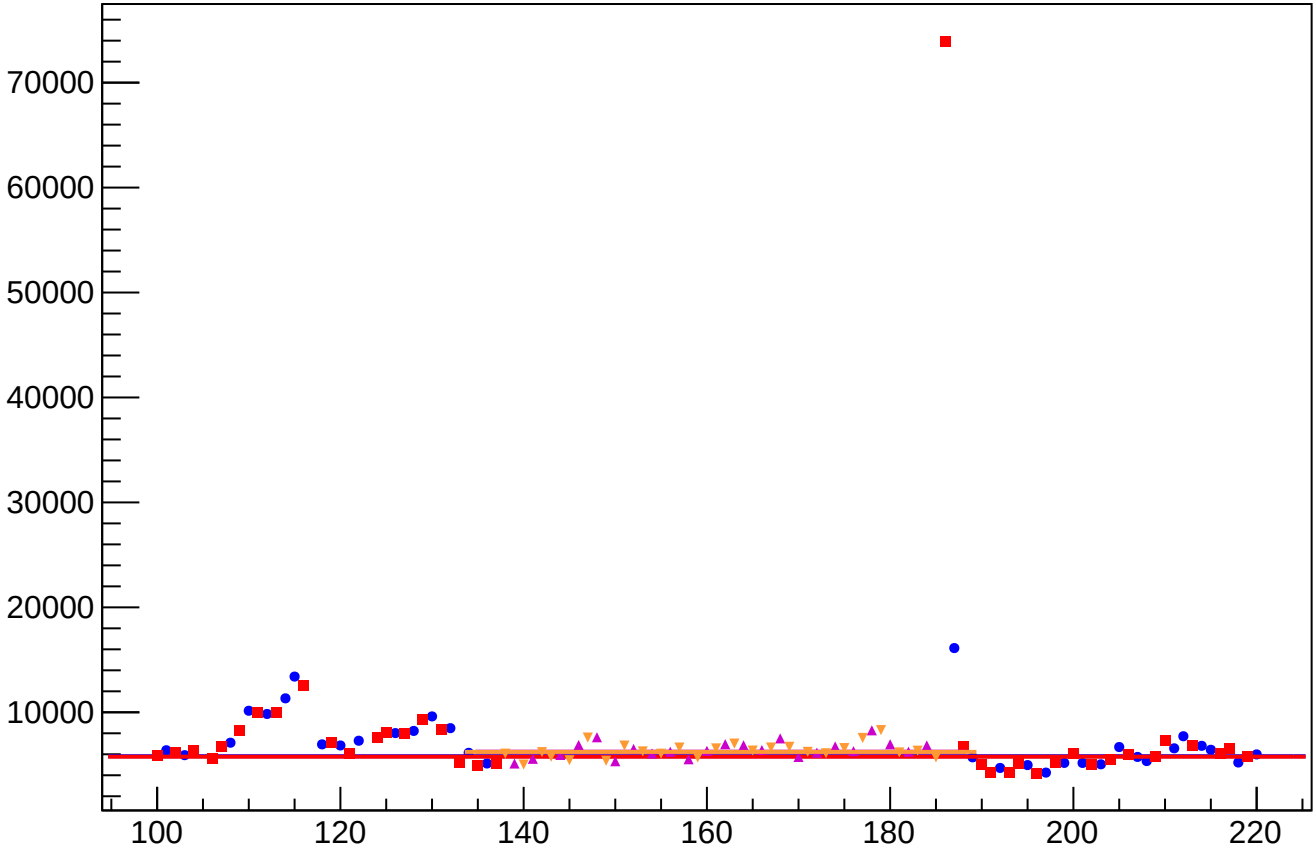
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 2.626+/-0.964 χ^2/NDF: 48.9/57

All: 3.529+/-0.684 χ^2/NDF: 177.2/117

- sign 4.445+/-0.971 χ^2/NDF: 126.5/59

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5814.474+/-0.923 χ^2/NDF: 1853305.3/32

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

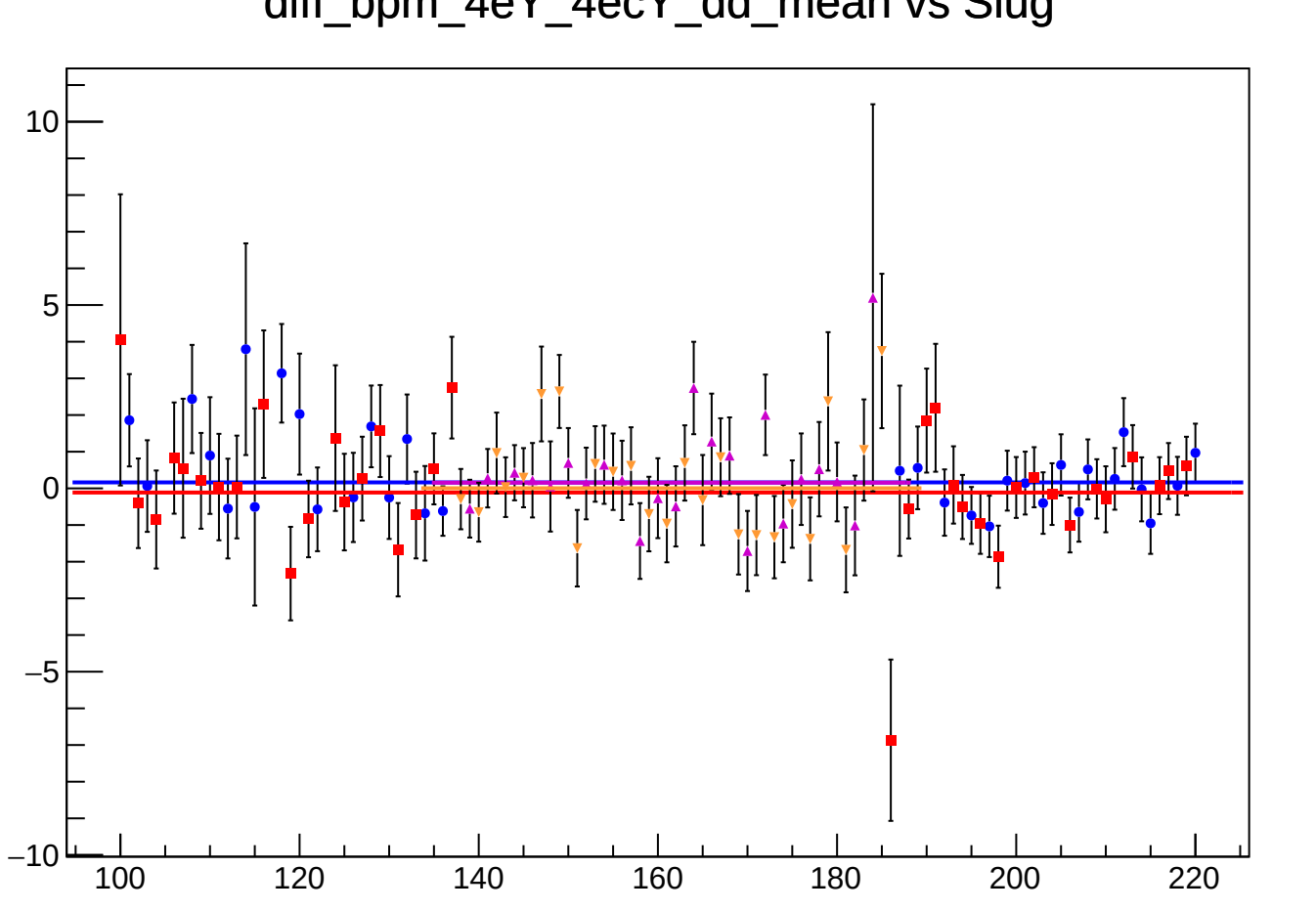
Right Out: 5770.009+/-0.912 χ^2/NDF: 2508409.6/36

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 6002.773+/-0.682 χ^2/NDF: 2415710.8/57

All: 5989.944+/-0.484 χ^2/NDF: 5528311.9/11

- sign 5976.931+/-0.686 χ^2/NDF: 3111887.5/59



Right In: 0.163+/-0.174 χ^2/NDF: 28.7/32

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.114+/-0.173 χ^2/NDF: 39.4/36

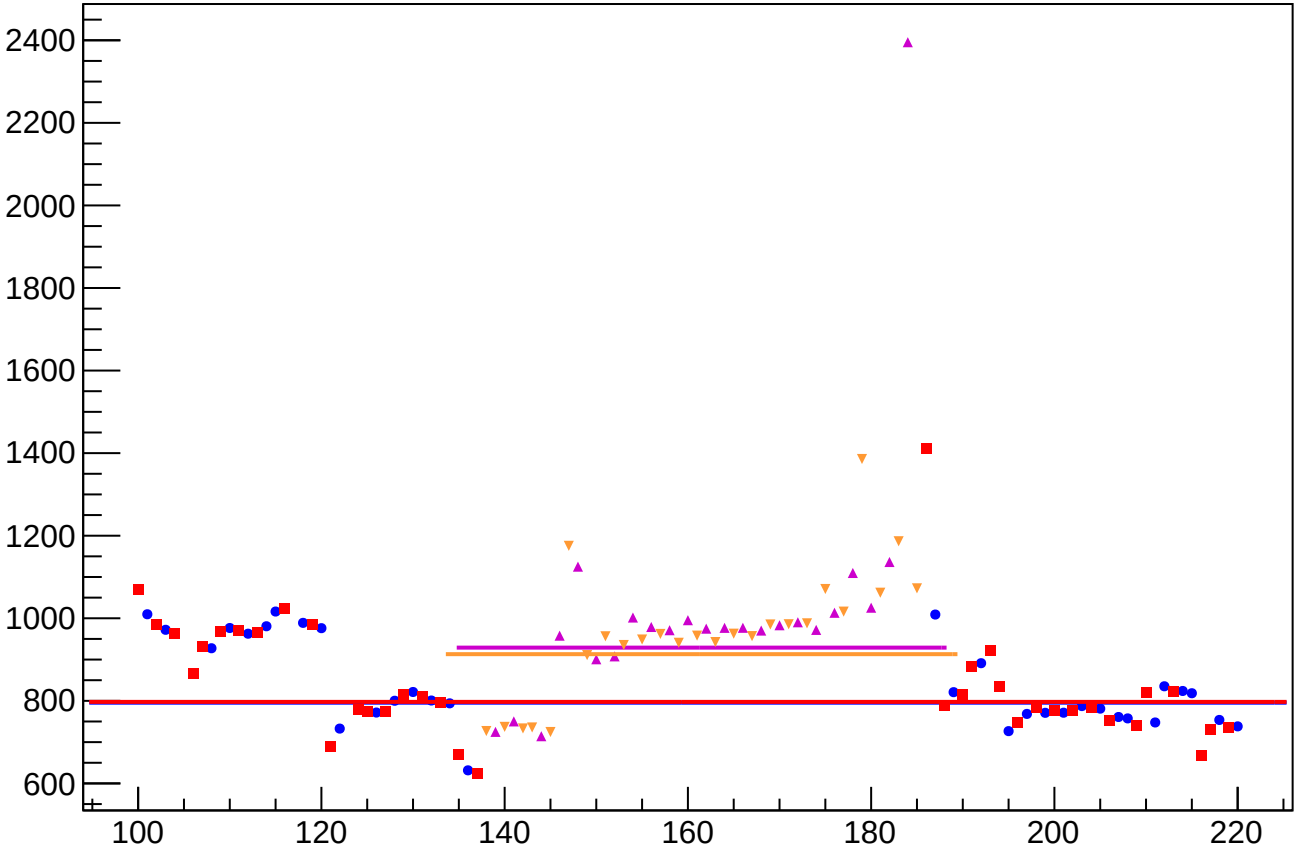
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.098+/-0.135 χ^2/NDF: 60.7/57

All: 0.044+/-0.096 χ^2/NDF: 119.7/117

- sign -0.012+/-0.136 χ^2/NDF: 58.7/59

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 795.592+/-0.123 χ^2/NDF: 482908.6/32

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

Right Out: 797.498+/-0.122 χ^2/NDF: 657961.4/36

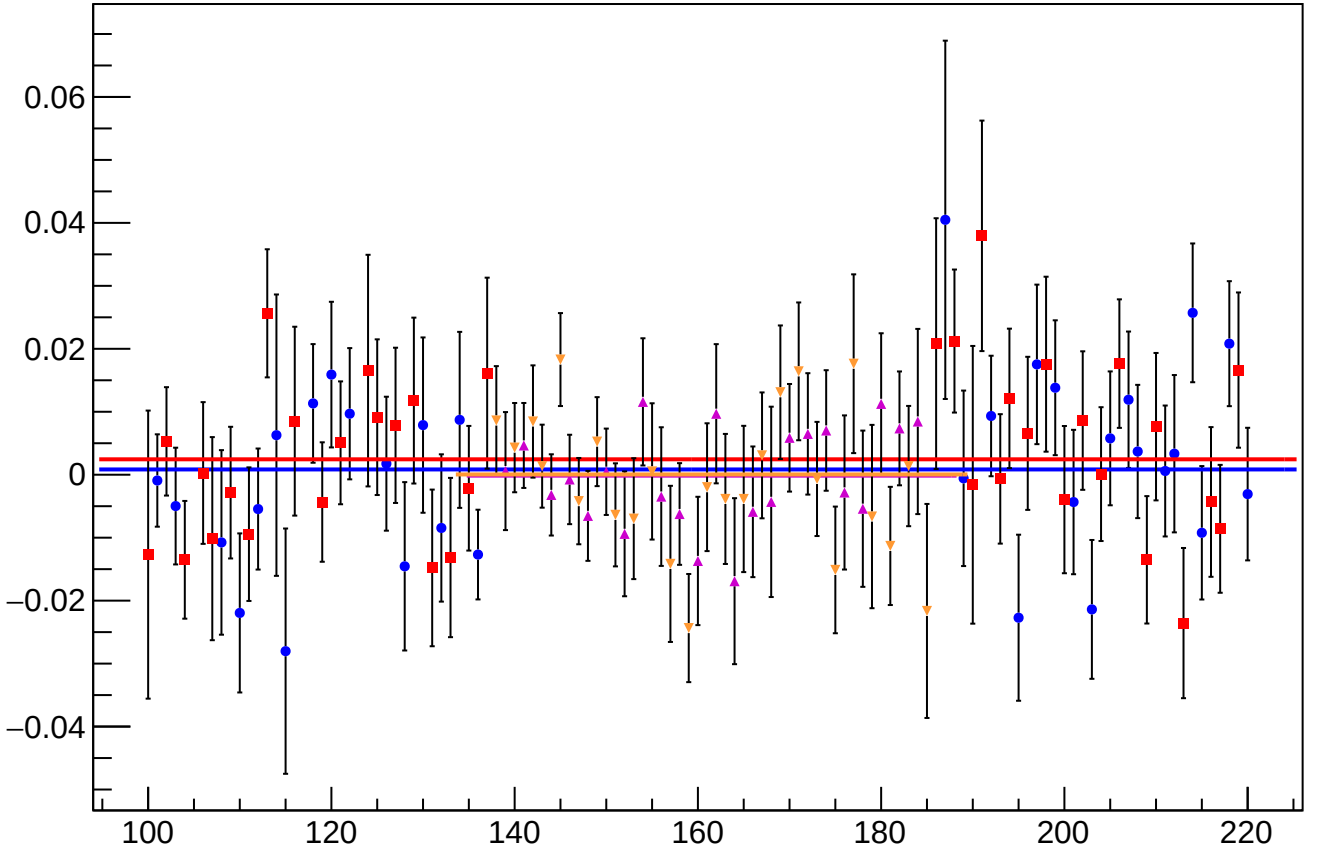
Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

+ sign 843.031+/-0.095 χ^2/NDF: 1738530.0/57

All: 845.231+/-0.068 χ^2/NDF: 3604552.6/117

- sign 847.486+/-0.096 χ^2/NDF: 1864941.7/59

diff_dispE_bpm12X_mean vs Slug



Right In: 0.001+/-0.002 χ^2/NDF: 41.8/32

Left Out: 0.000+/-0.002 χ^2/NDF:31.1/24

Right Out: 0.002+/-0.002 χ^2/NDF: 40.3/36

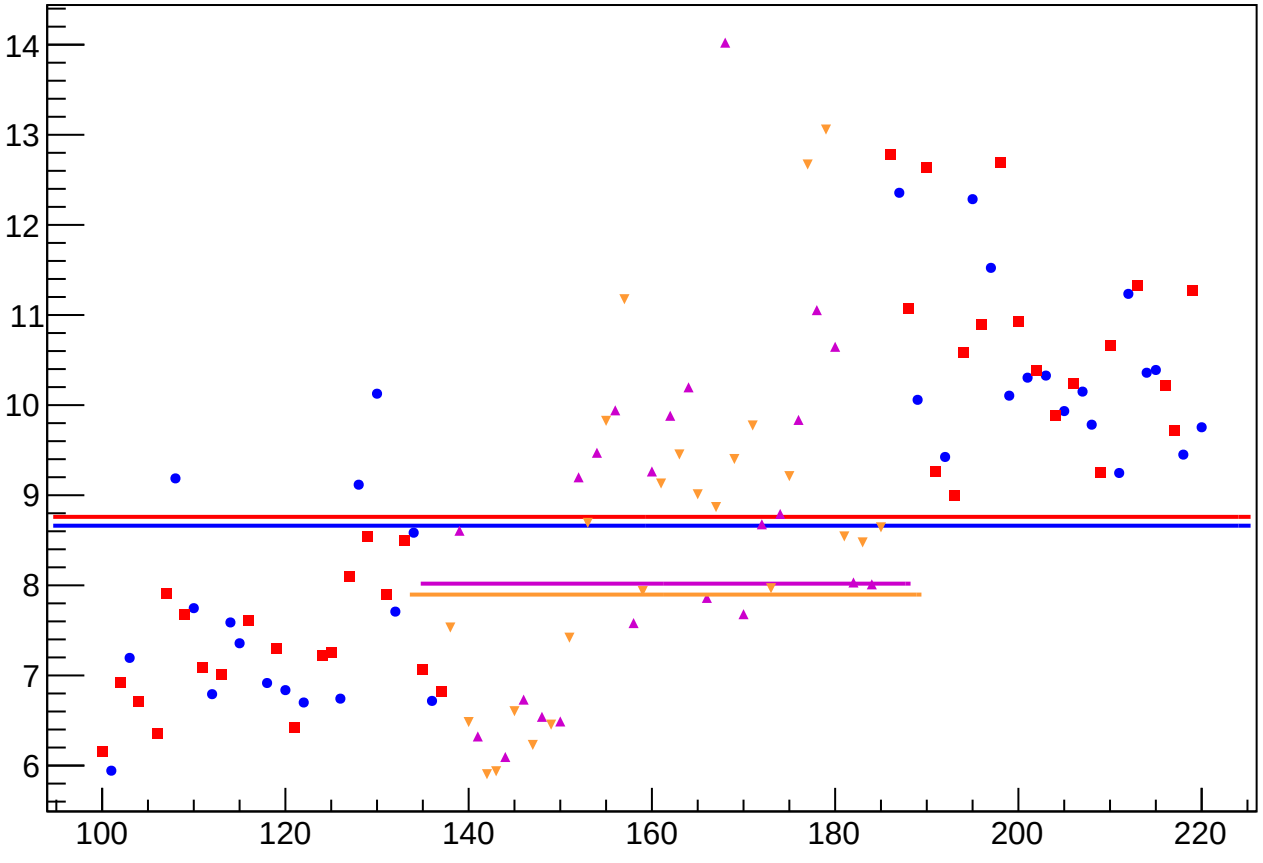
Left In: -0.000+/-0.002 χ^2/NDF:12.8/22

+ sign 0.000+/-0.001 χ^2/NDF: 73.0/57

All: 0.001+/-0.001 χ^2/NDF: 127.1/117

- sign 0.001+/-0.001 χ^2/NDF: 54.0/59

diff_dispE_bpm12X_rms vs Slug



Right In: 8.662+/-0.001 χ^2/NDF: 1625497.5/32

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

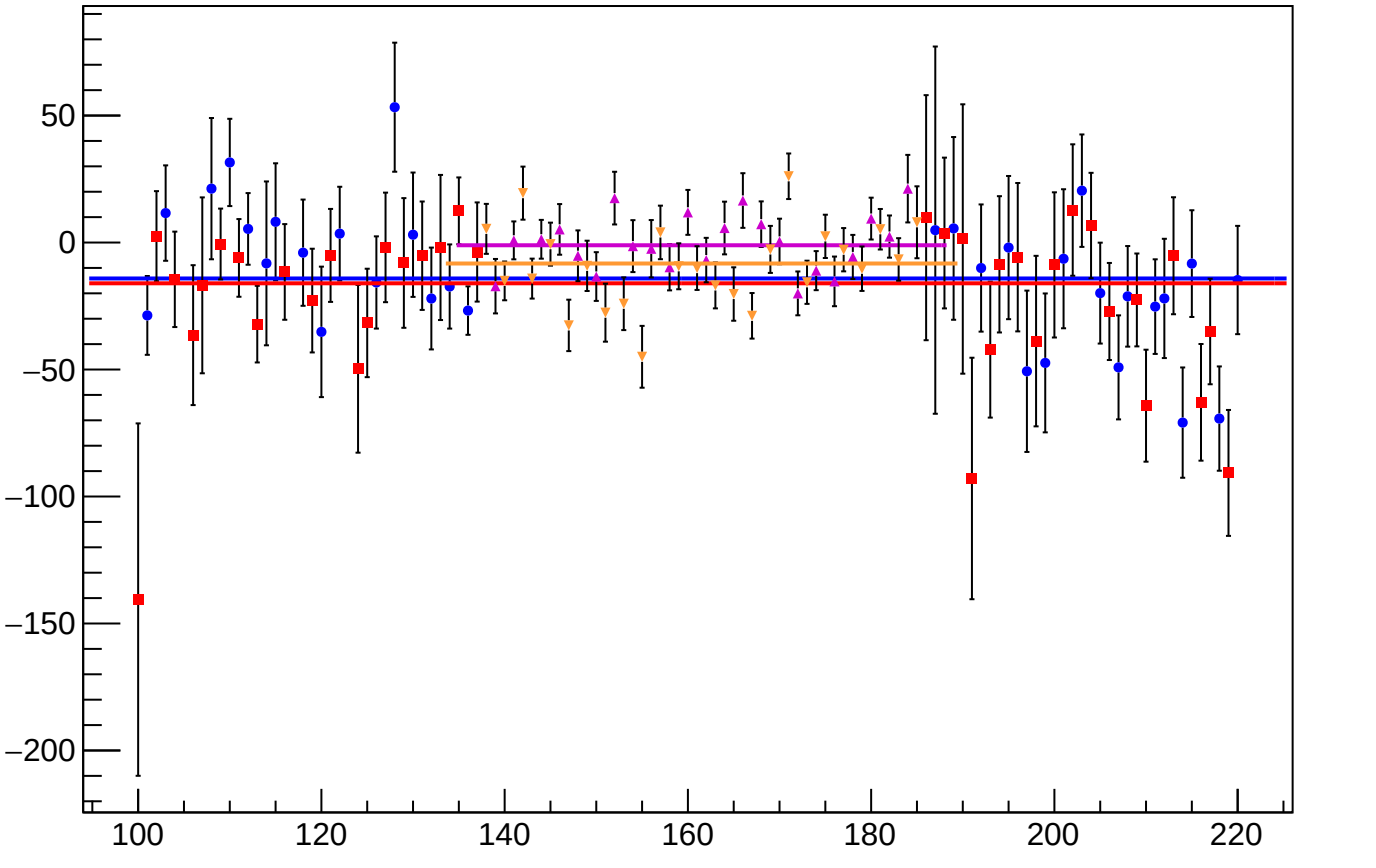
Right Out: 8.760+/-0.001 χ^2/NDF: 1727032.9/36

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 8.262+/-0.001 χ^2/NDF: 3380363.9/57

All: 8.323+/-0.001 χ^2/NDF: 6719939.3/117

- sign 8.386+/-0.001 χ^2/NDF: 3331069.4/59



Right In: -14.152+/-3.529 χ^2/NDF: 49.3/32

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: -16.050+/-3.609 χ^2/NDF: 43.0/36

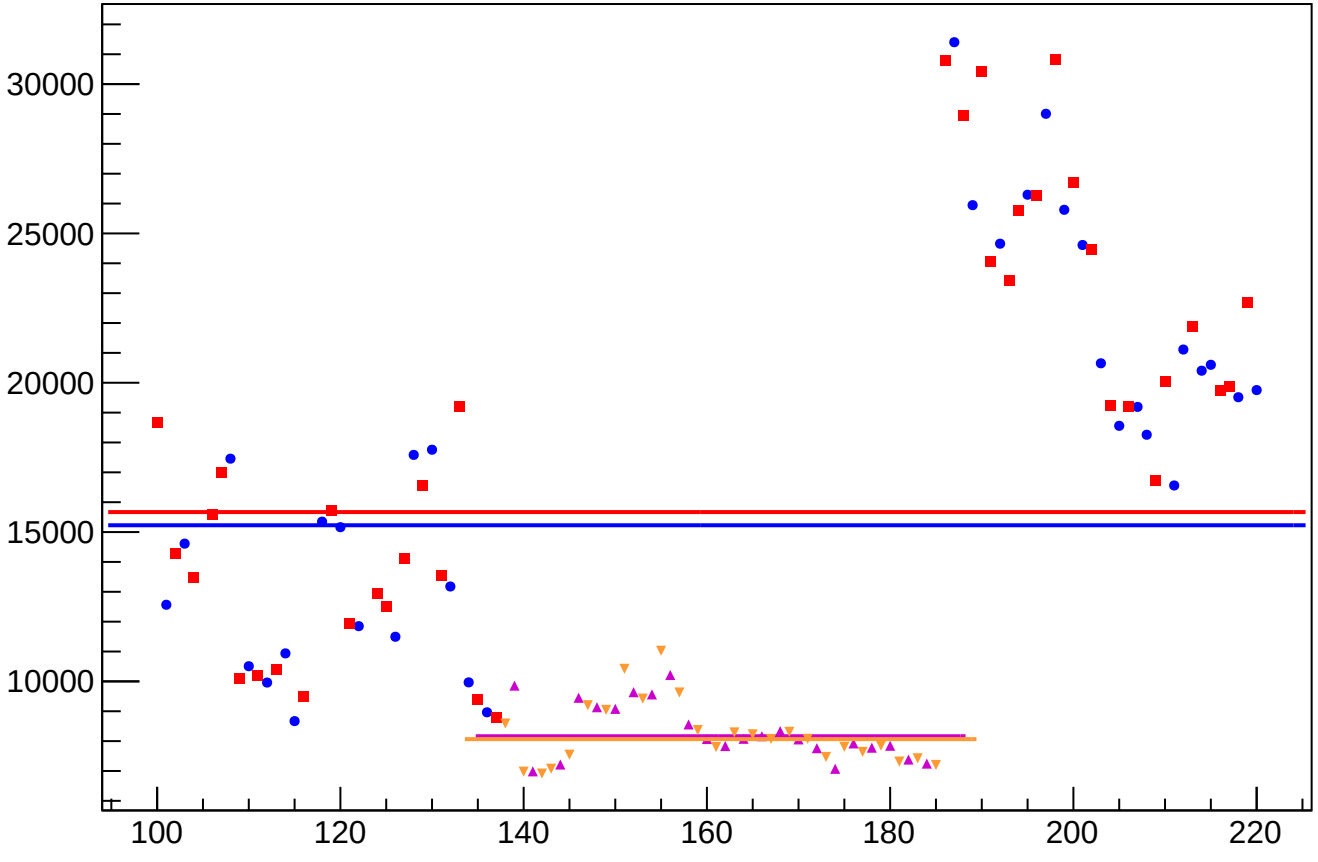
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -9.526+/-1.638 χ^2/NDF: 113.6/57

All: -7.041+/-1.178 χ^2/NDF: 203.7/117

- sign -4.378+/-1.696 χ^2/NDF: 85.3/59

diff_targ_positionX_rms vs Slug



Right In: 15228.186+/-2.496 χ^2/NDF: 4610225.9/32

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

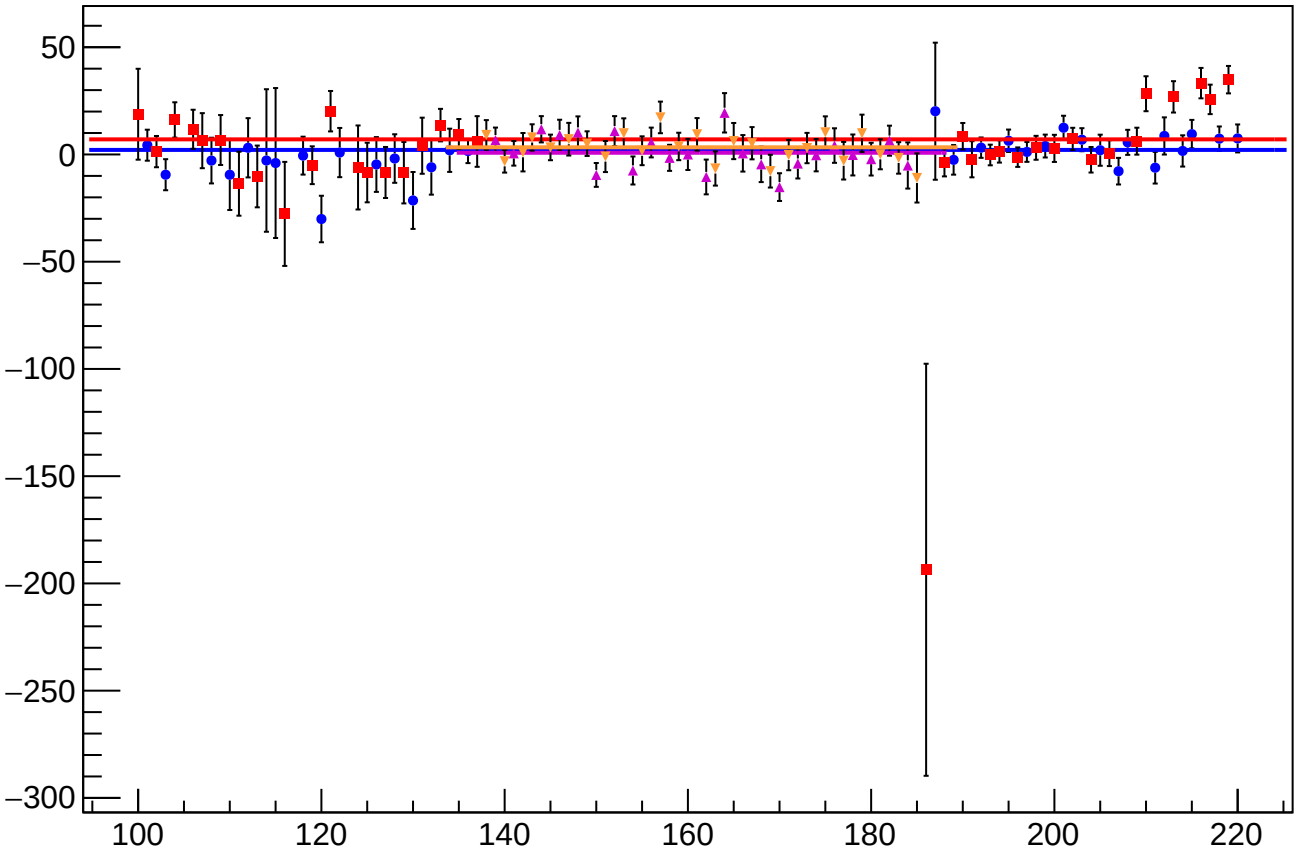
Right Out: 15669.241+/-2.552 χ^2/NDF: 5115495.2/36

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 9609.550+/-1.158 χ^2/NDF: 11569073.9/57

All: 9711.194+/-0.833 χ^2/NDF: 23873073.9/1

- sign 9820.101+/-1.199 χ^2/NDF: 12288049.7/59



Right In: 2.118+/-1.283 χ^2/NDF: 29.7/32

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: 7.042+/-1.255 χ^2/NDF: 91.2/36

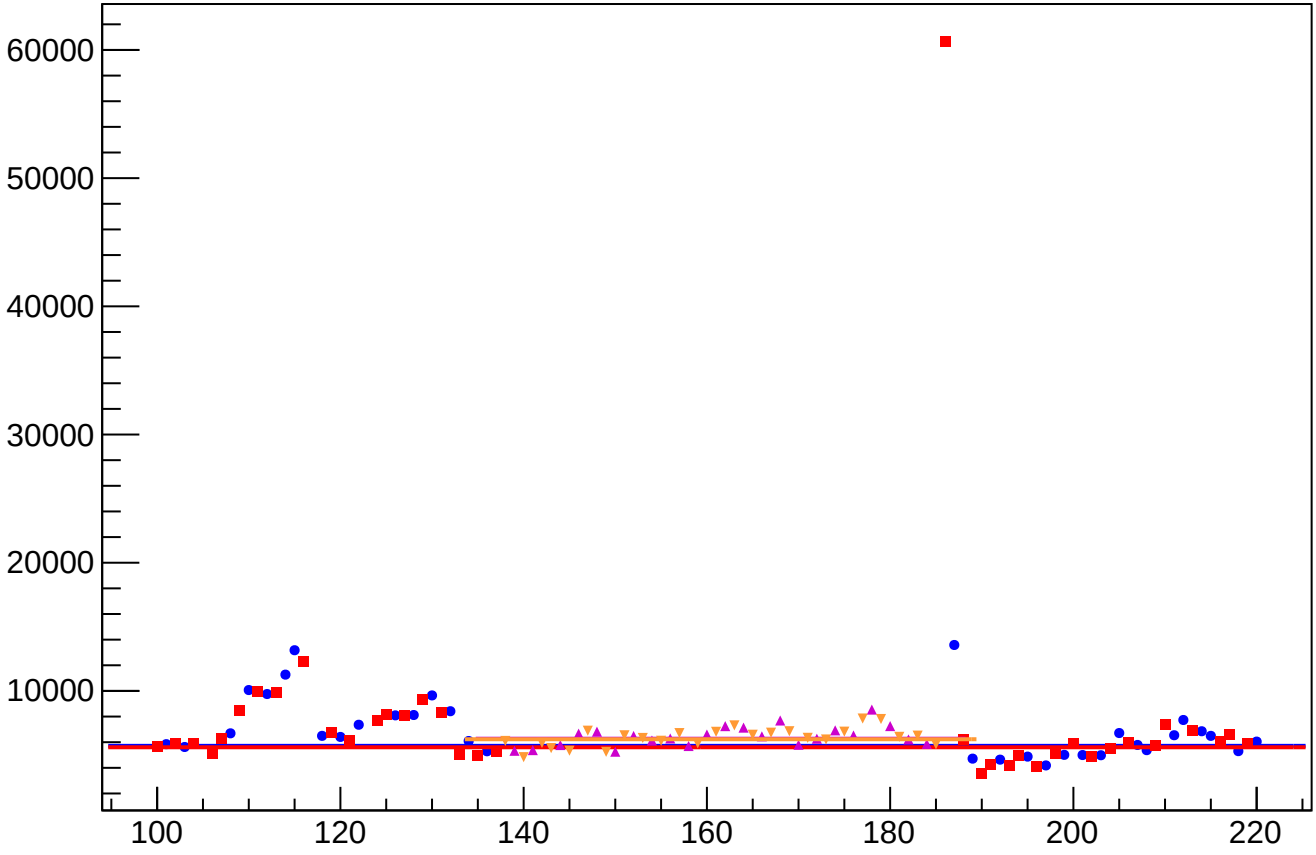
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 2.658+/-0.955 χ^2/NDF: 47.0/57

All: 3.540+/-0.676 χ^2/NDF: 179.7/117

- sign 4.426+/-0.957 χ^2/NDF: 130.9/59

diff_targ_positionY_rms vs Slug



Right In: 5715.107+/-0.907 χ^2/NDF: 1891571.0/32

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

Right Out: 5603.929+/-0.888 χ^2/NDF: 2738557.8/36

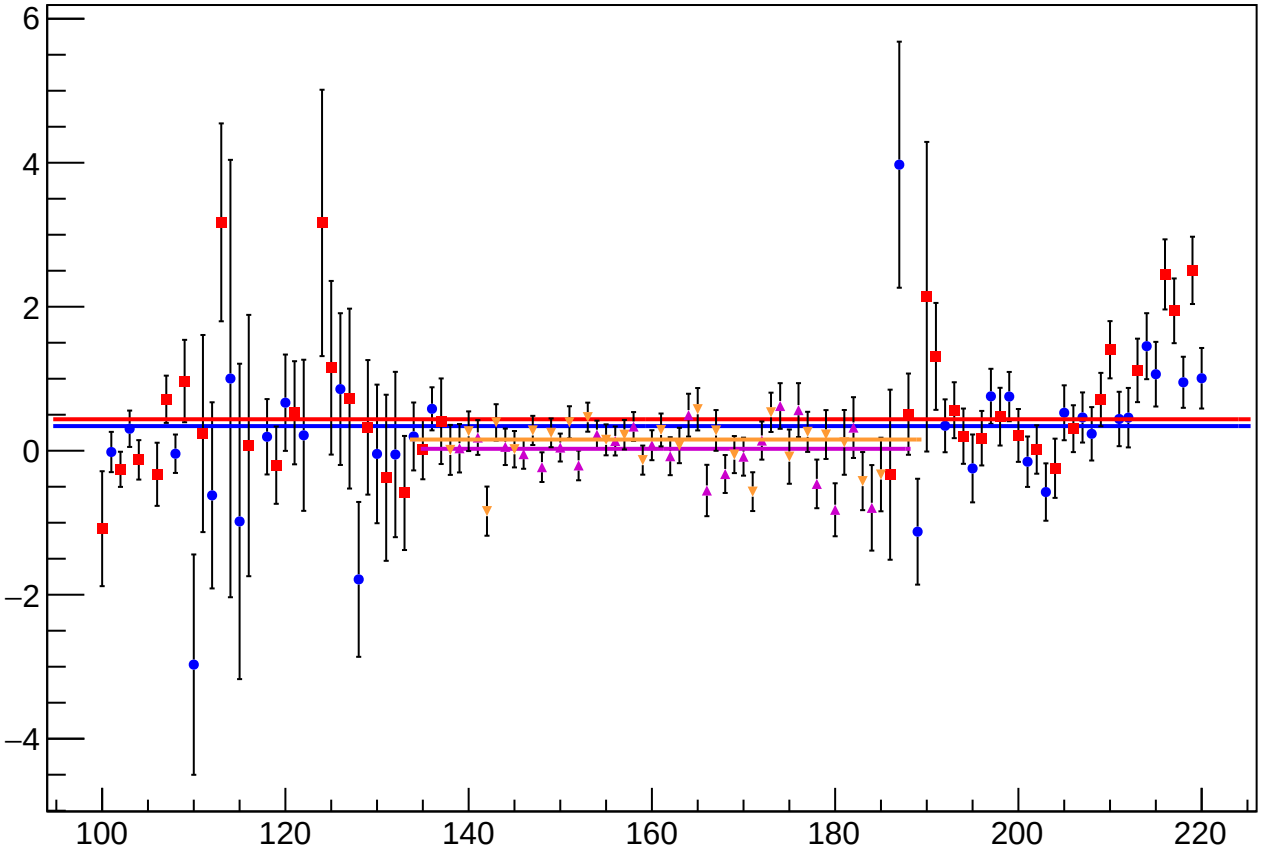
Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

+ sign 5945.072+/-0.675 χ^2/NDF: 2568258.9/57

All: 5914.245+/-0.478 χ^2/NDF: 6052133.1/11

- sign 5883.299+/-0.677 χ^2/NDF: 3479699.7/59

diff_targ_thetaX_mean vs Slug



Right In: 0.342+/-0.076 χ^2/NDF: 49.3/32

Left Out: 0.156+/-0.052 χ^2/NDF:32.3/24

Right Out: 0.437+/-0.078 χ^2/NDF: 96.8/36

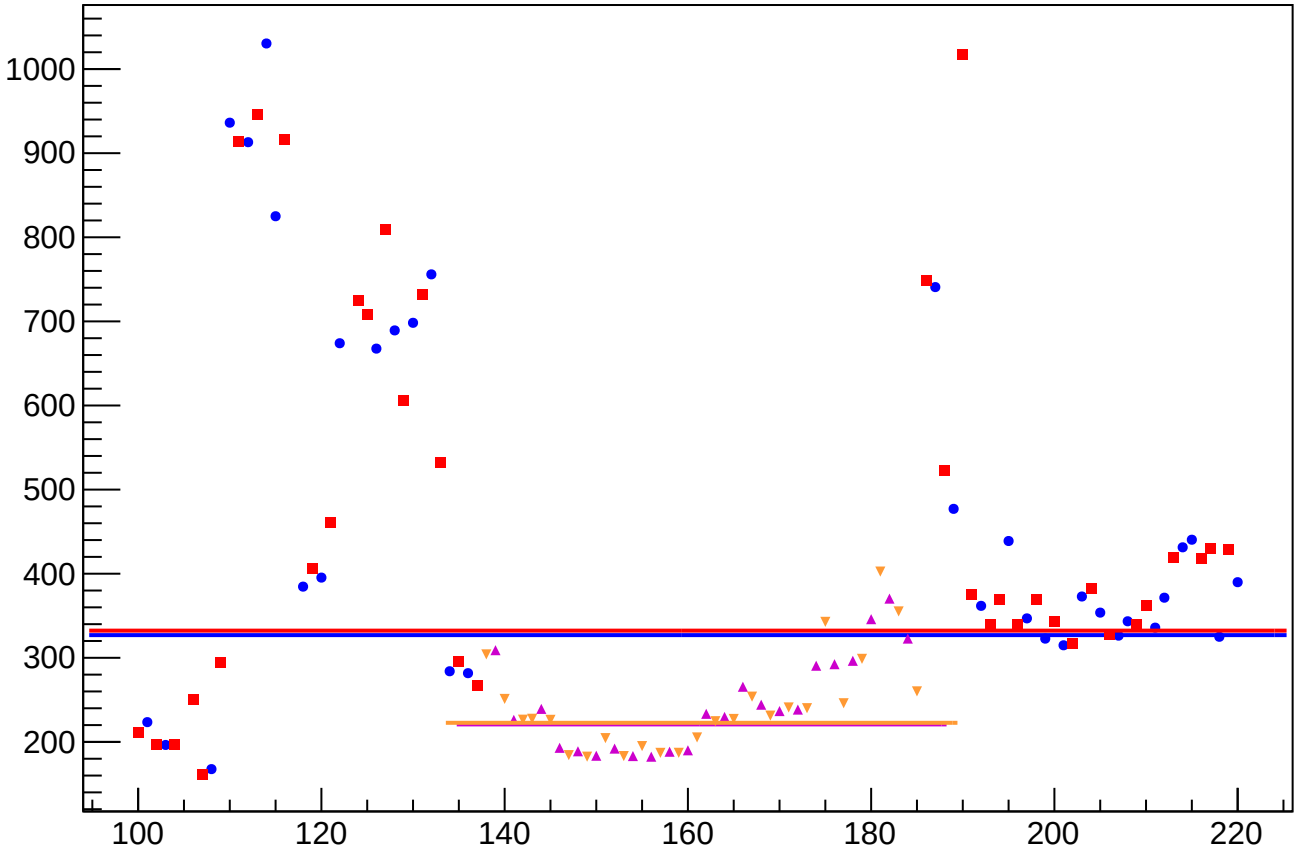
Left In: 0.026+/-0.053 χ^2/NDF:29.8/22

+ sign 0.215+/-0.043 χ^2/NDF: 85.7/57

All: 0.187+/-0.031 χ^2/NDF: 232.3/117

- sign 0.157+/-0.044 χ^2/NDF: 145.7/59

diff_targ_thetaX_rms vs Slug



Right In: 326.976+/-0.054 χ^2/NDF: 4479988.9/32

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 332.311+/-0.055 χ^2/NDF: 5090149.0/36

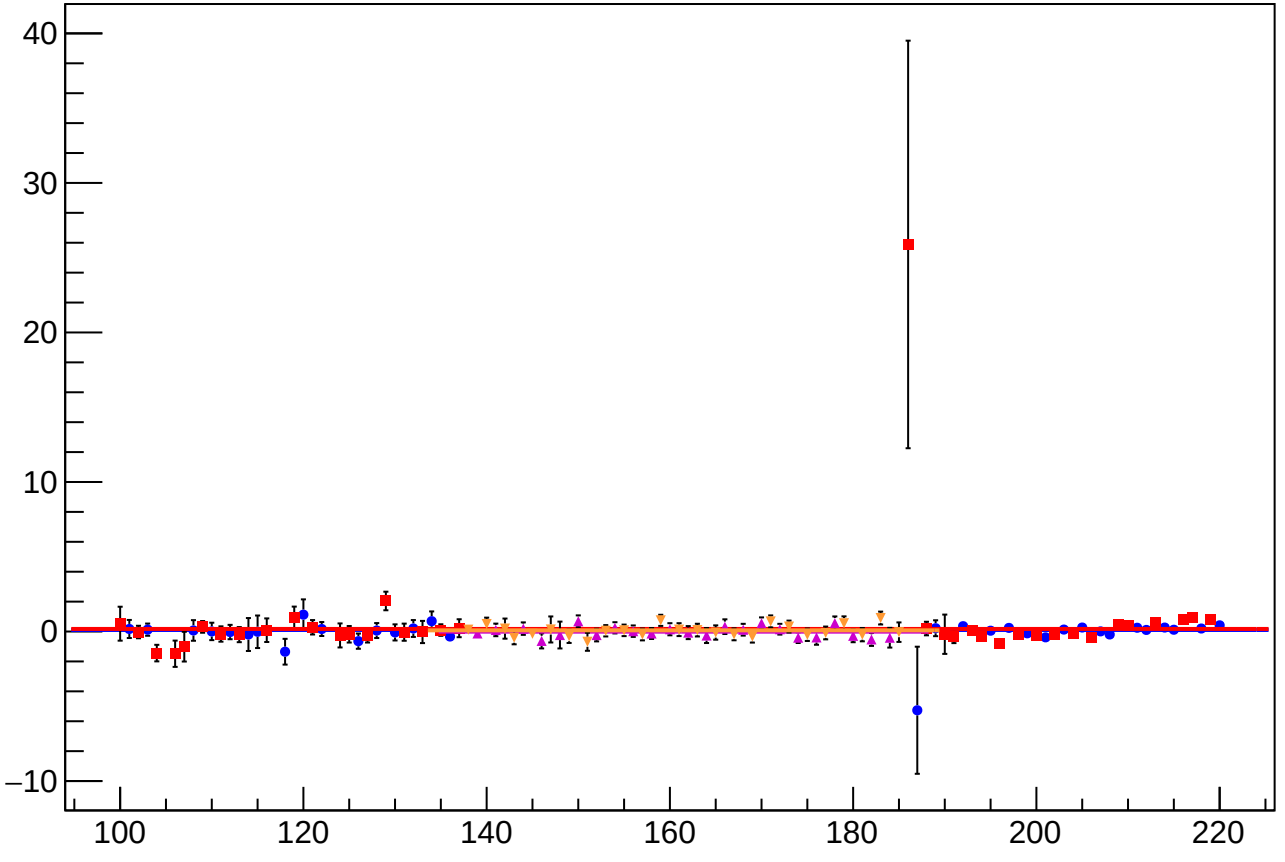
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 255.803+/-0.030 χ^2/NDF: 8490495.1/57

All: 256.043+/-0.022 χ^2/NDF: 17873299.0/11

- sign 256.293+/-0.031 χ^2/NDF: 9382675.8/59

diff_targ_thetaY_mean vs Slug



Right In: 0.105+/-0.055 χ^2/NDF: 21.6/32

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: 0.173+/-0.057 χ^2/NDF: 102.1/36

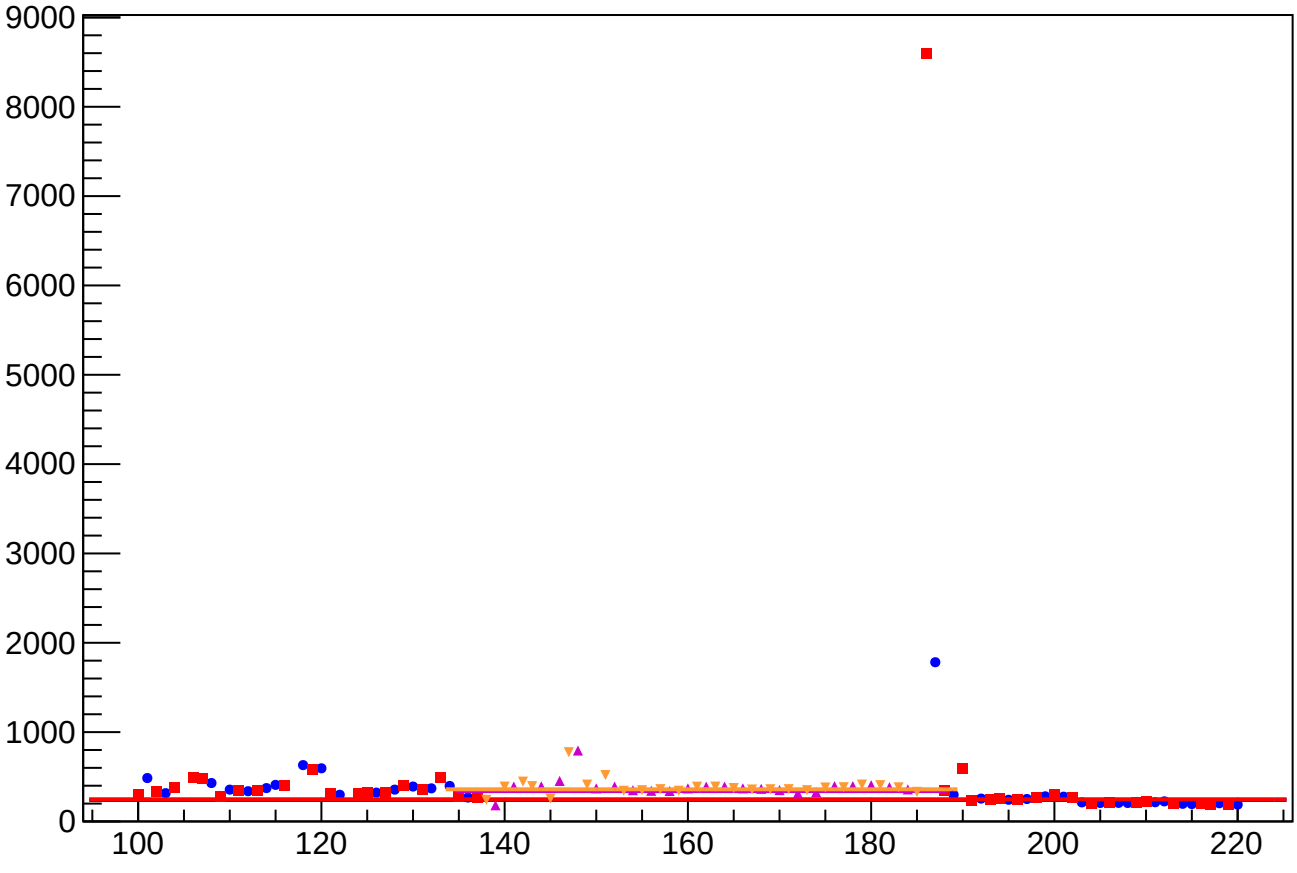
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.097+/-0.046 χ^2/NDF: 40.7/57

All: 0.106+/-0.033 χ^2/NDF: 161.3/117

- sign 0.115+/-0.047 χ^2/NDF: 120.6/59

diff_targ_thetaY_rms vs Slug



Right In: 241.222+/-0.039 χ^2/NDF: 2958589.9/32

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

Right Out: 247.876+/-0.040 χ^2/NDF: 3393972.1/36

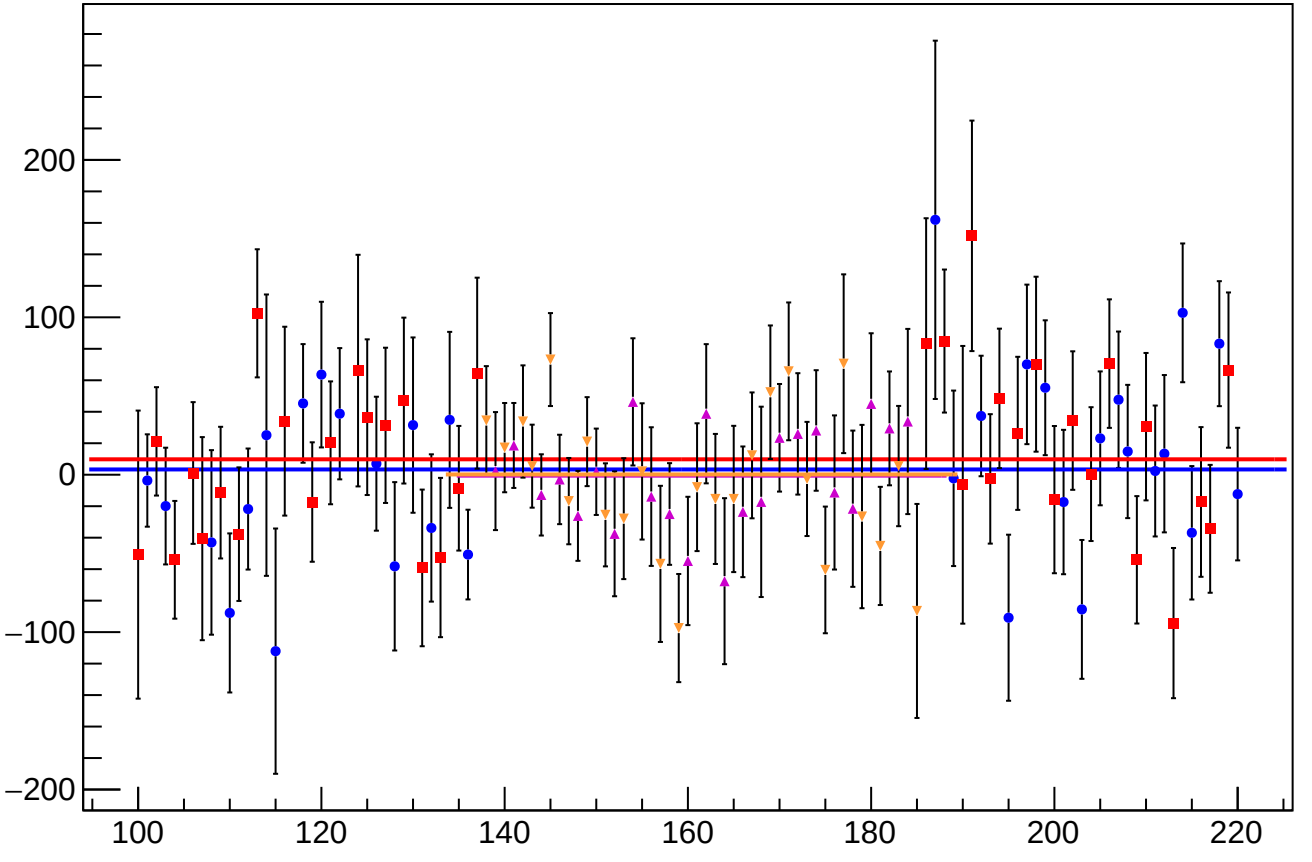
Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 276.703+/-0.033 χ^2/NDF: 7083403.7/57

All: 276.960+/-0.023 χ^2/NDF: 14389855.3/11

- sign 277.225+/-0.033 χ^2/NDF: 7306324.7/59

diff_bpmE_mean vs Slug



Right In: 3.351+/-7.722 χ^2/NDF: 41.8/32

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

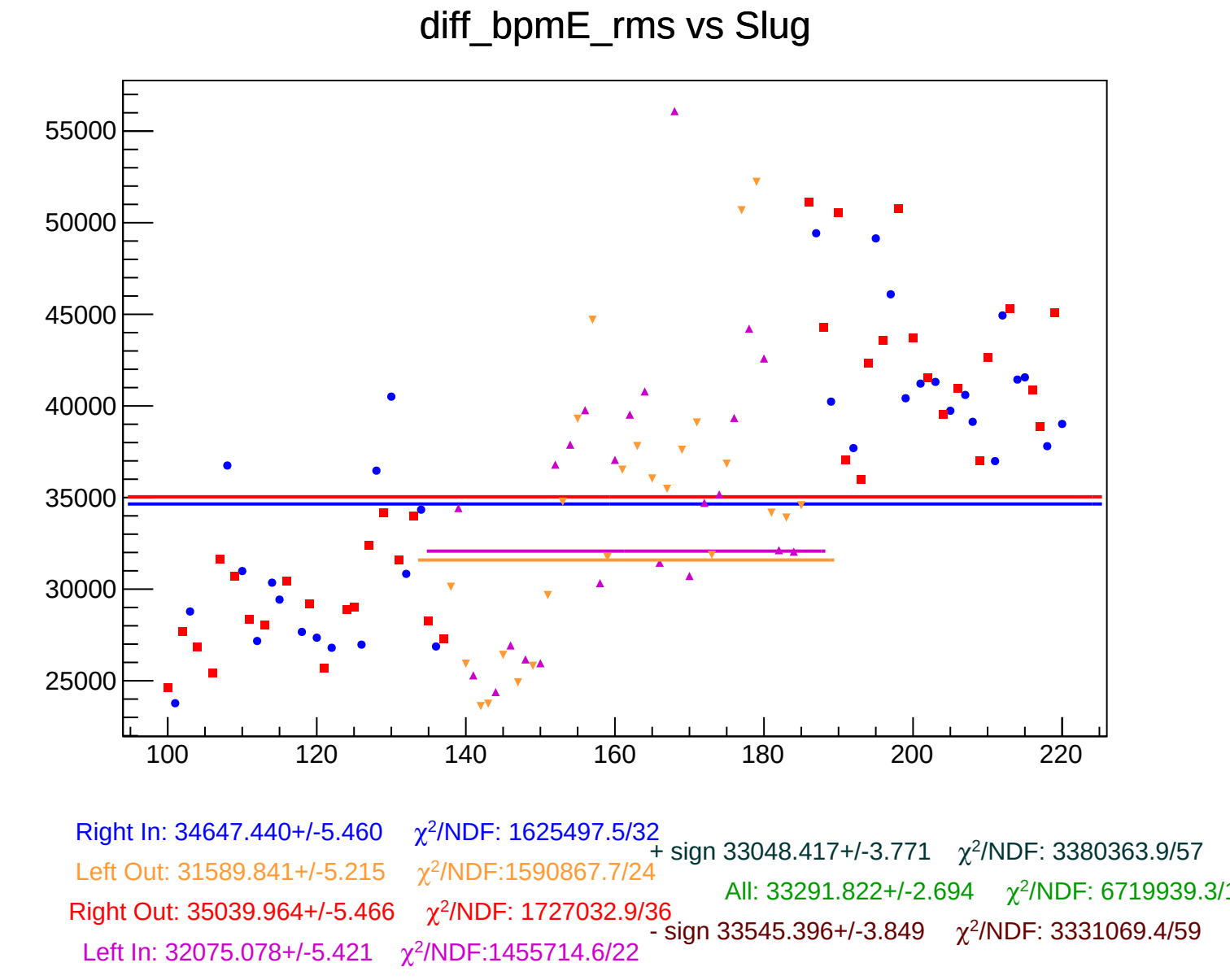
Right Out: 9.793+/-7.730 χ^2/NDF: 40.3/36

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

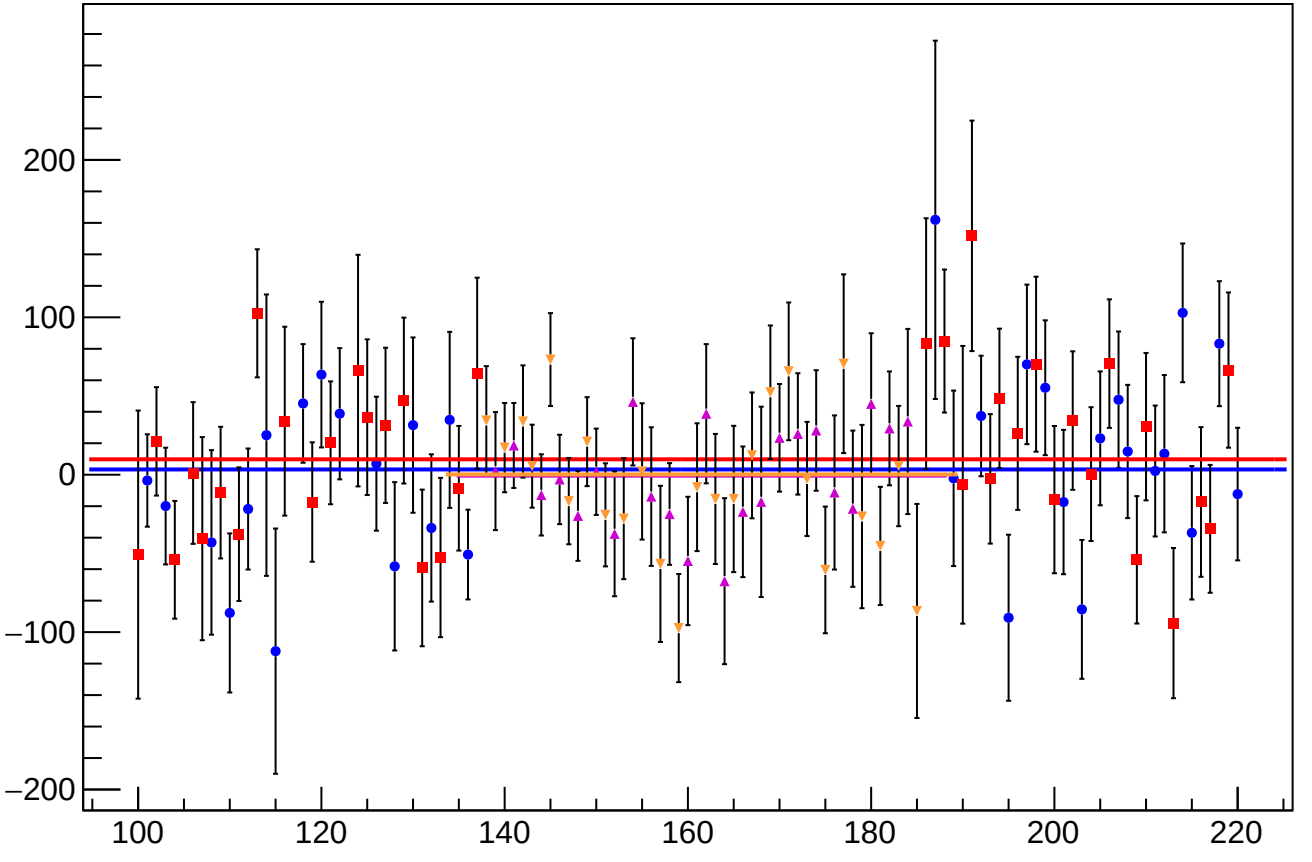
+ sign 1.686+/-5.333 χ^2/NDF: 73.0/57

All: 3.094+/-3.810 χ^2/NDF: 127.1/117

- sign 4.561+/-5.443 χ^2/NDF: 54.0/59


diff_bpmE_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
220
Right In: 34647.440+/-5.460 χ²/NDF: 1625497.5/32
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 35039.964+/-5.466 χ²/NDF: 1727032.9/36
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 33048.417+/-3.771 χ²/NDF: 3380363.9/57
All: 33291.822+/-2.694 χ²/NDF: 6719939.3/1
- sign 33545.396+/-3.849 χ²/NDF: 3331069.4/59

diff_bpmEX_mean vs Slug



Right In: 3.351+/-7.722 χ^2/NDF: 41.8/32

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 9.793+/-7.730 χ^2/NDF: 40.3/36

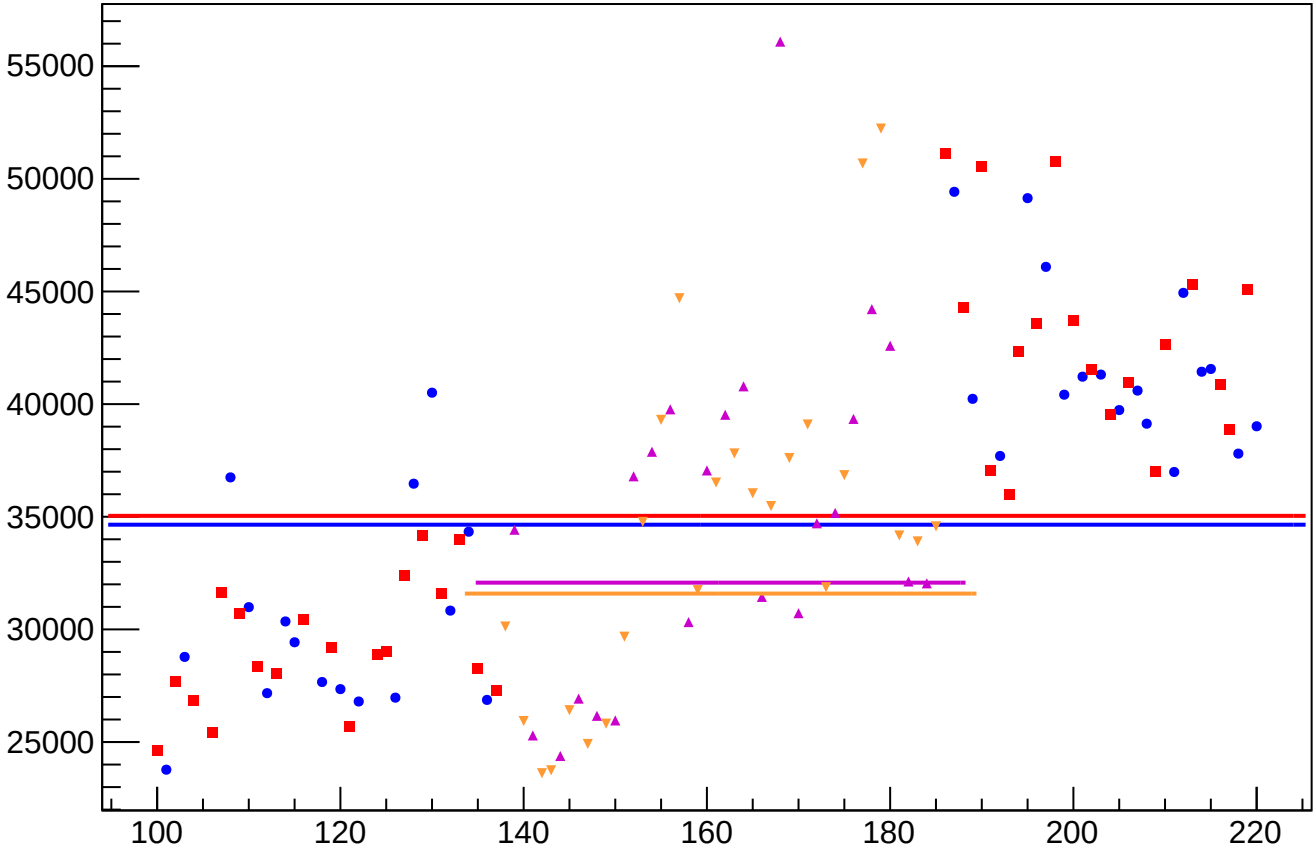
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign 1.686+/-5.333 χ^2/NDF: 73.0/57

All: 3.094+/-3.810 χ^2/NDF: 127.1/117

- sign 4.561+/-5.443 χ^2/NDF: 54.0/59

diff_bpmEX_rms vs Slug



Right In: 34647.440+/-5.460 χ^2/NDF: 1625497.5/32

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 35039.964+/-5.466 χ^2/NDF: 1727032.9/36

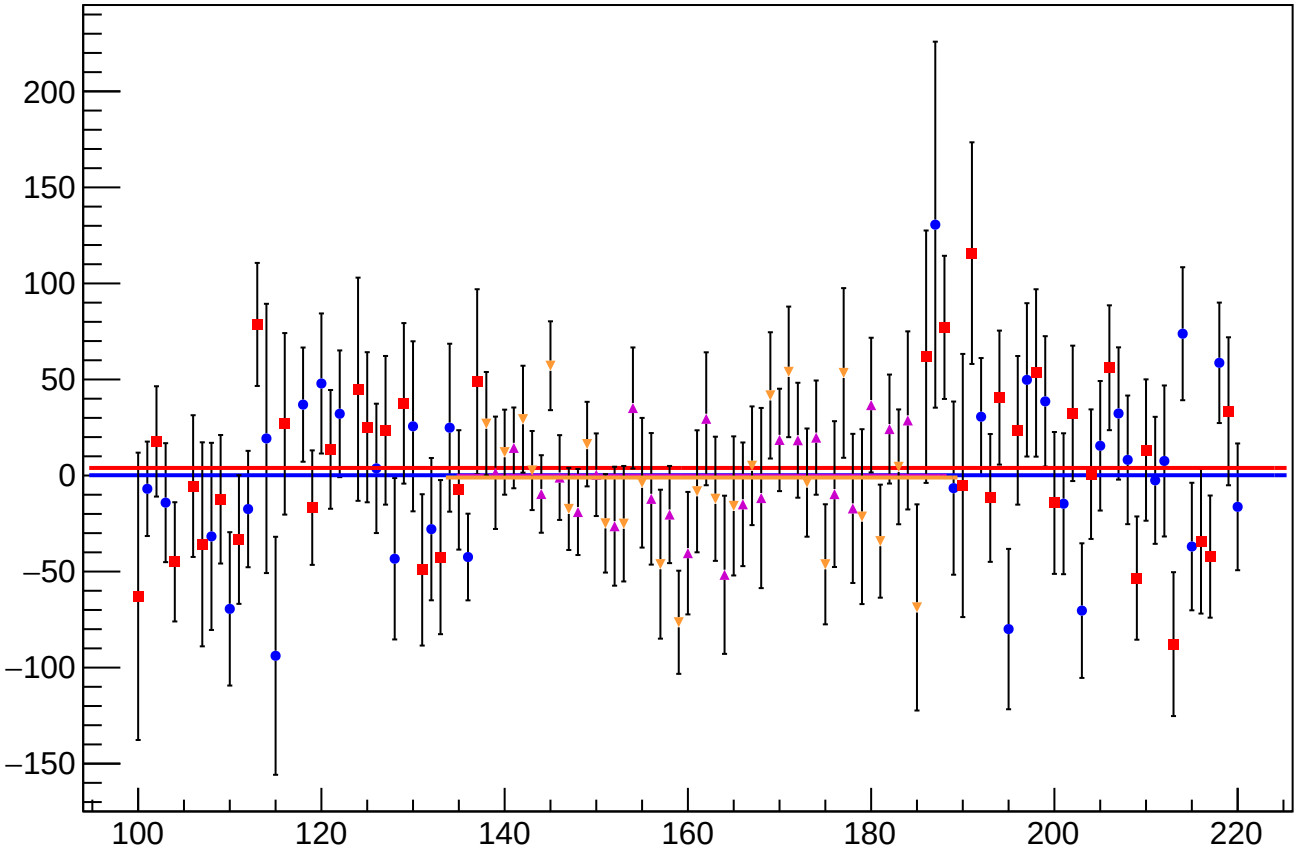
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 33048.417+/-3.771 χ^2/NDF: 3380363.9/57

All: 33291.822+/-2.694 χ^2/NDF: 6719939.3/1

- sign 33545.396+/-3.849 χ^2/NDF: 3331069.4/59

diff_bpmE_11X12X_mean vs Slug



Right In: 0.147+/-6.151 χ^2/NDF: 40.8/32

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

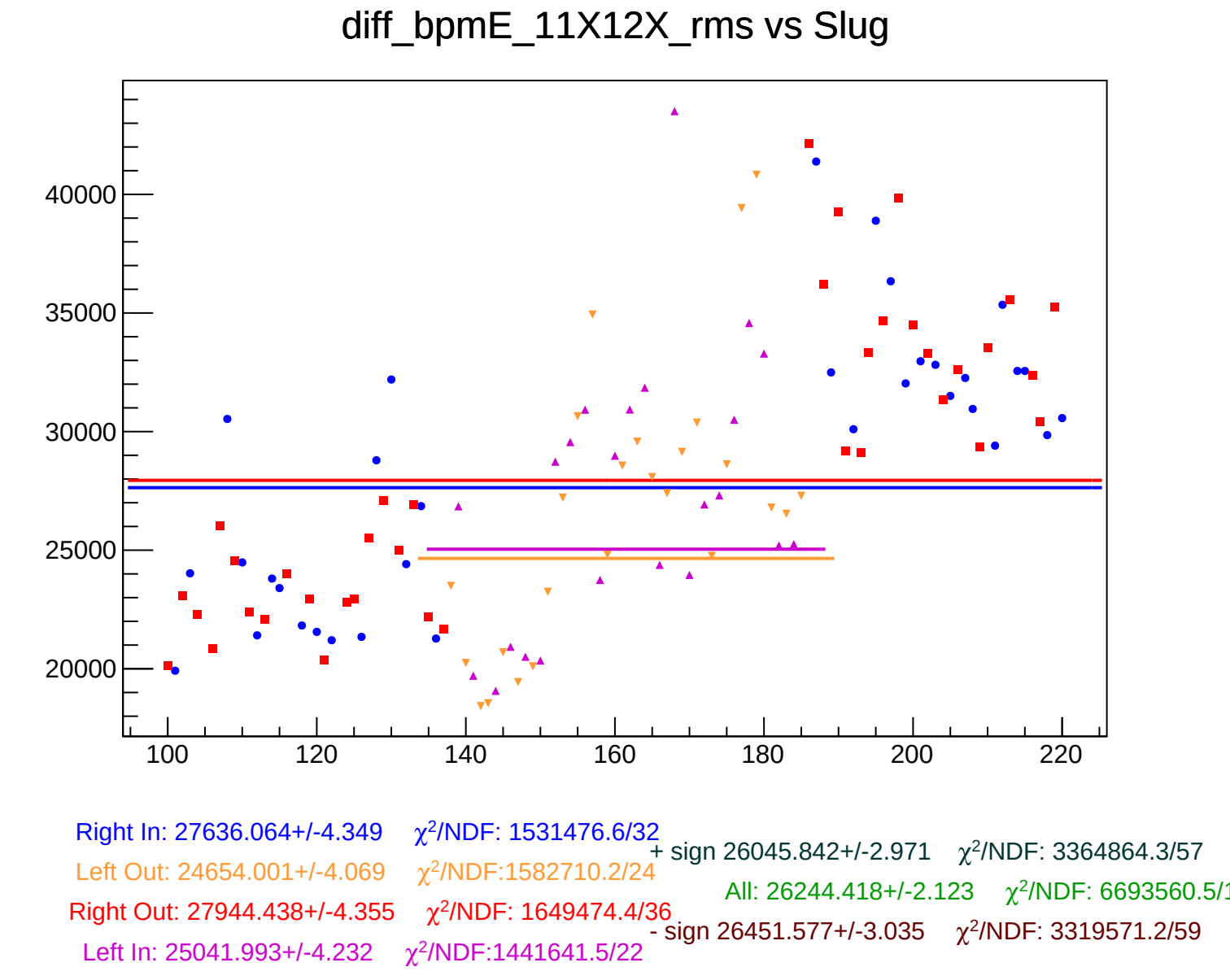
Right Out: 3.944+/-6.159 χ^2/NDF: 45.5/36

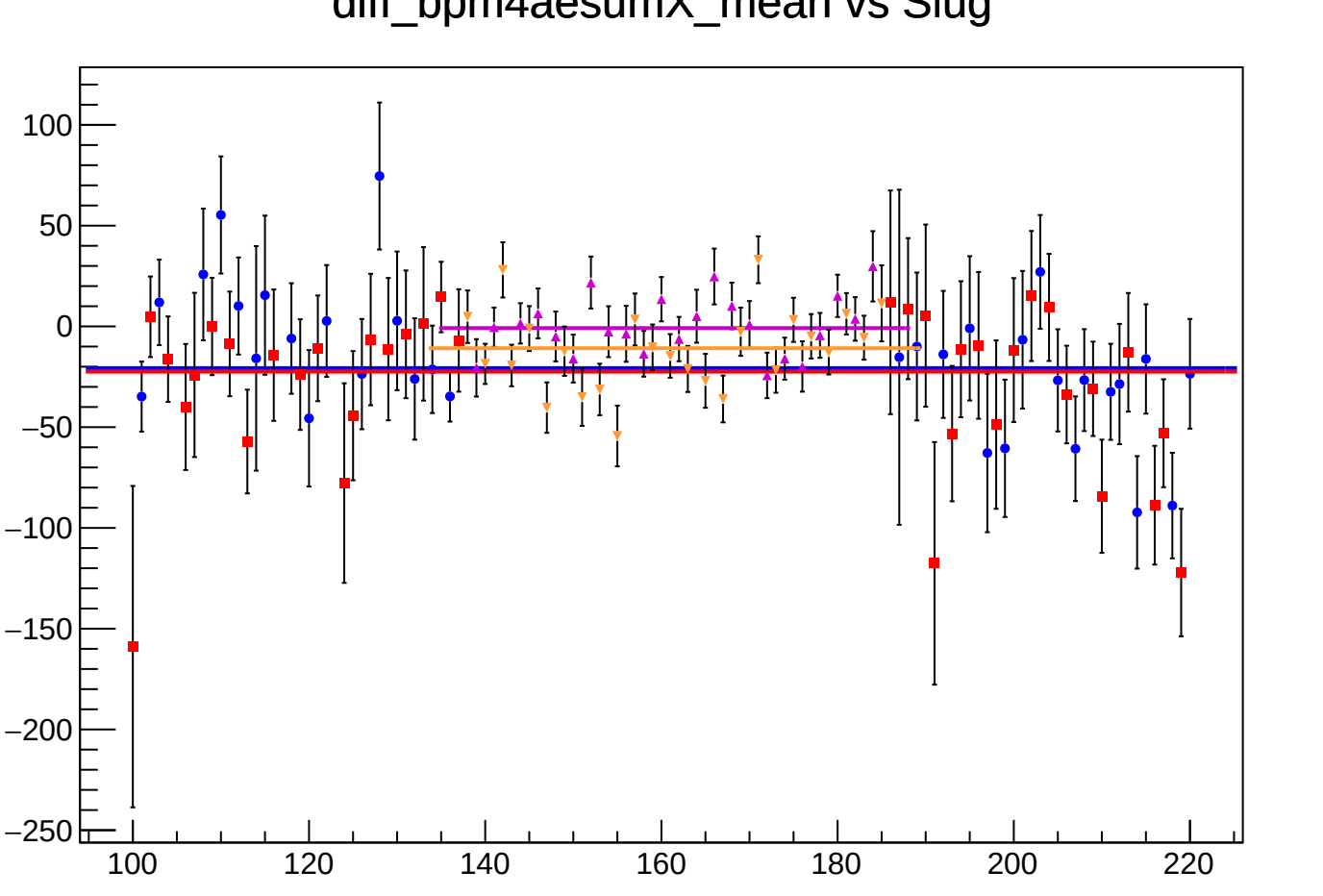
Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

\+ sign -0.487+/-4.202 χ^2/NDF: 73.2/57

All: 0.652+/-3.003 χ^2/NDF: 131.1/117

\- sign 1.840+/-4.292 χ^2/NDF: 57.8/59


diff_bpmE_11X12X_rms vs Slug
40000
35000
30000
25000
20000
100
120
140
160
180
200
220
Right In: 27636.064+/-4.349 χ²/NDF: 1531476.6/32
Left Out: 24654.001+/-4.069 χ²/NDF:1582710.2/24
Right Out: 27944.438+/-4.355 χ²/NDF: 1649474.4/36
Left In: 25041.993+/-4.232 χ²/NDF:1441641.5/22
+ sign 26045.842+/-2.971 χ²/NDF: 3364864.3/57
All: 26244.418+/-2.123 χ²/NDF: 6693560.5/1
- sign 26451.577+/-3.035 χ²/NDF: 3319571.2/59



Right In: -20.682+/-4.681 χ^2/NDF: 46.7/32

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

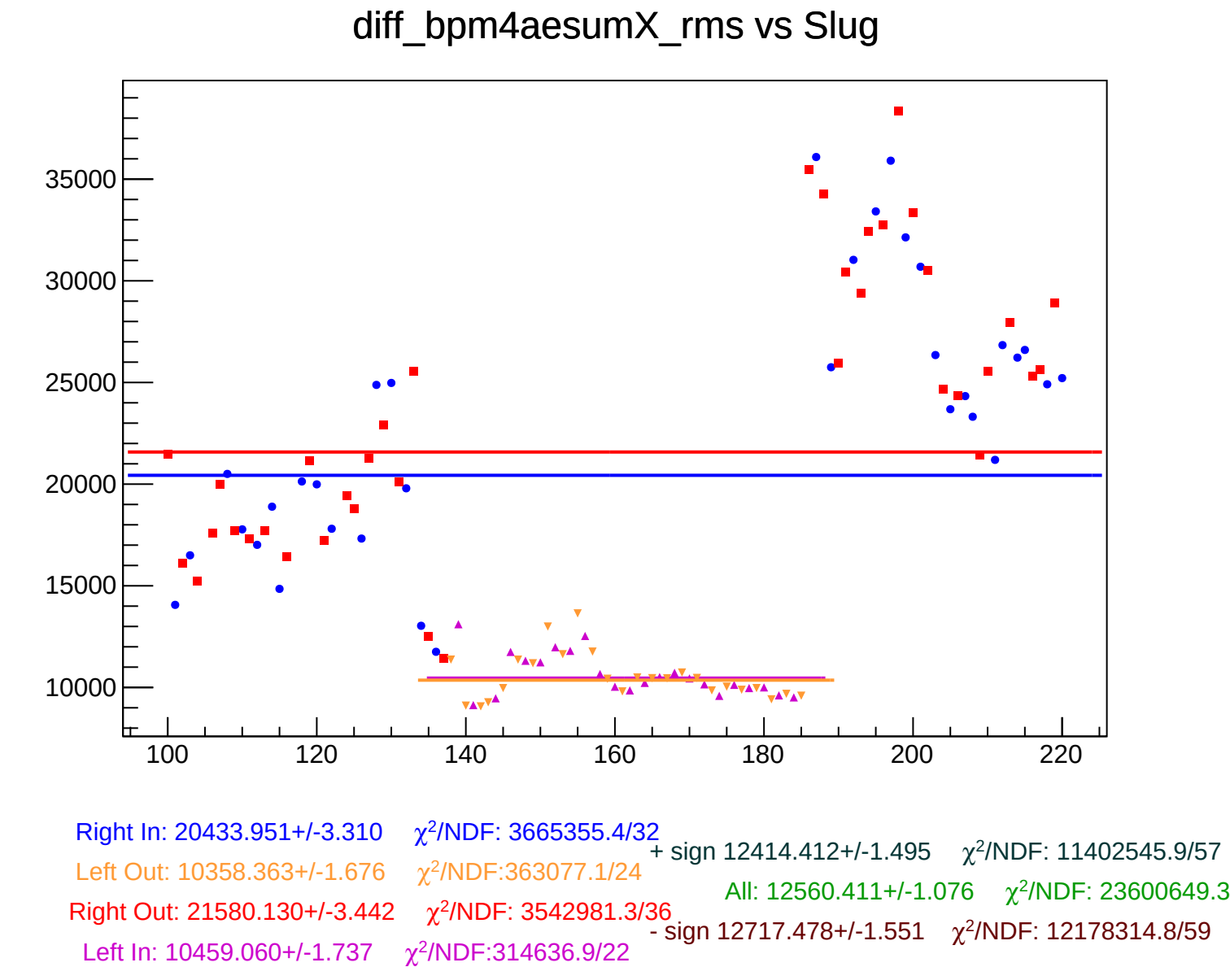
Right Out: -22.442+/-4.867 χ^2/NDF: 46.0/36

Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

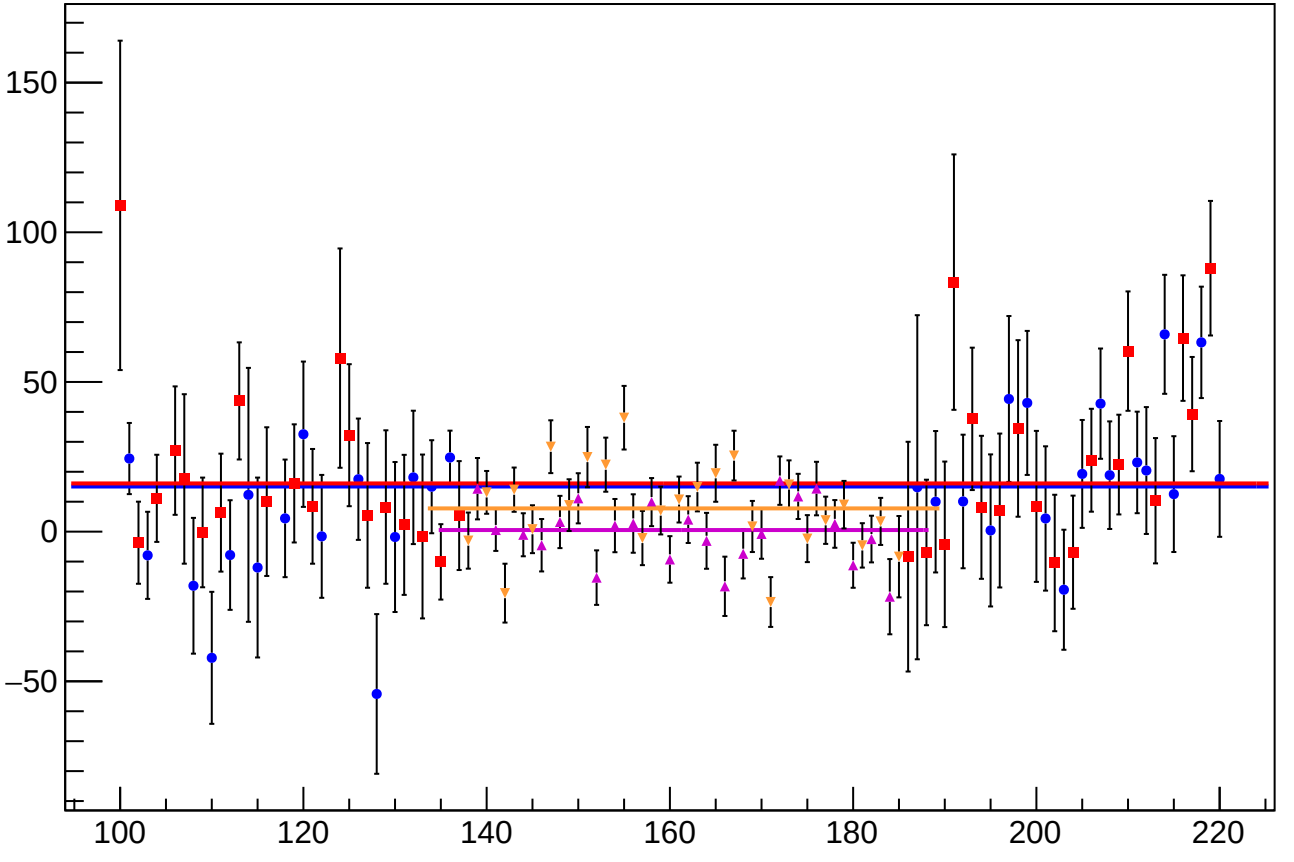
+ sign -12.834+/-2.115 χ^2/NDF: 111.5/57

All: -9.164+/-1.522 χ^2/NDF: 208.9/117

- sign -5.216+/-2.193 χ^2/NDF: 91.2/59


diff_bpm4aesumX_rms vs Slug
35000
30000
25000
20000
15000
10000
100
120
140
160
180
200
220
Right In: 20433.951+/-3.310 χ²/NDF: 3665355.4/32
Left Out: 10358.363+/-1.676 χ²/NDF:363077.1/24
Right Out: 21580.130+/-3.442 χ²/NDF: 3542981.3/36
Left In: 10459.060+/-1.737 χ²/NDF:314636.9/22
+ sign 12414.412+/-1.495 χ²/NDF: 11402545.9/57
All: 12560.411+/-1.076 χ²/NDF: 23600649.3
- sign 12717.478+/-1.551 χ²/NDF: 12178314.8/59

diff_bpm4aediffX_mean vs Slug



Right In: 15.076+/-3.341 χ^2/NDF: 46.2/32

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 16.104+/-3.479 χ^2/NDF: 47.2/36

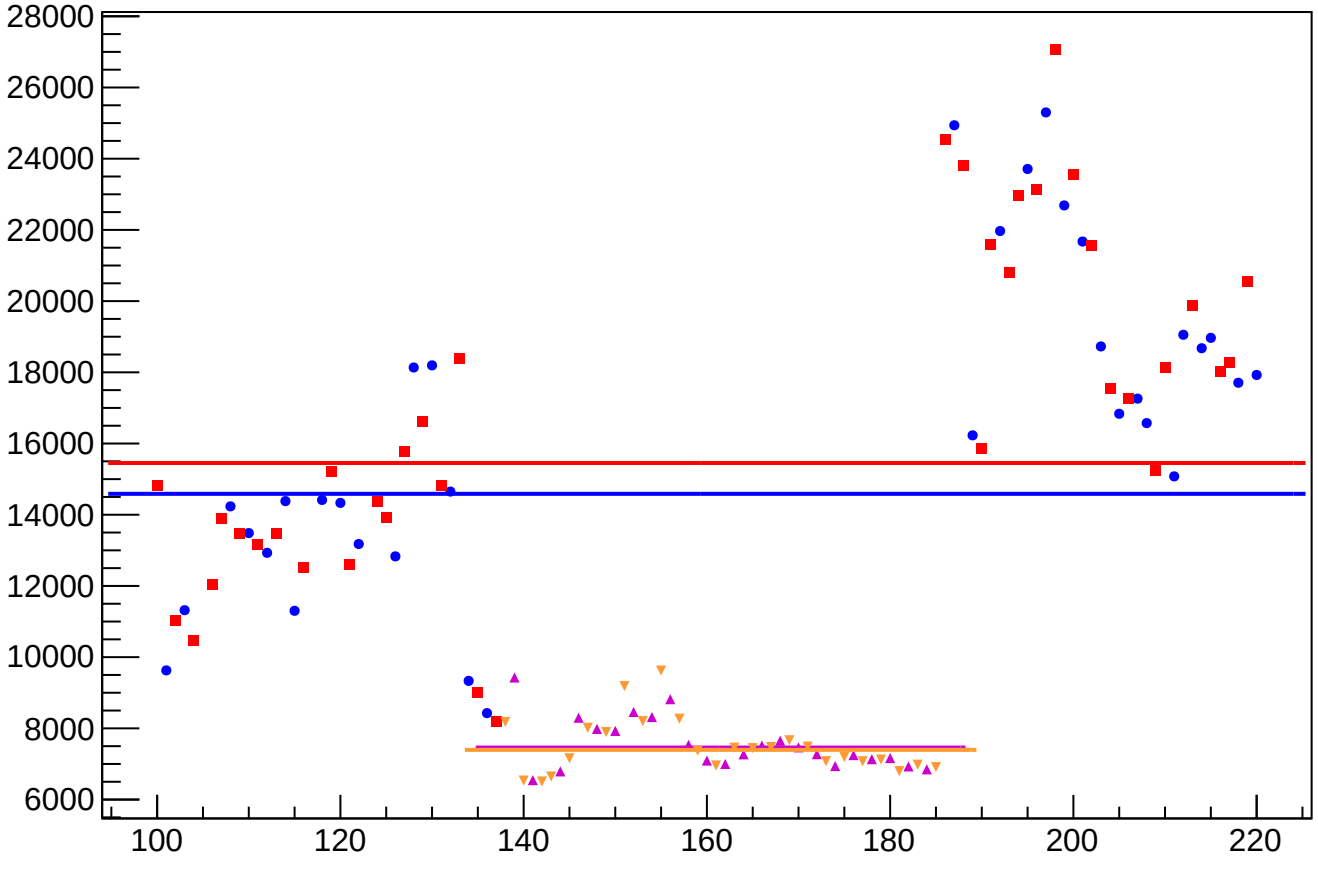
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 9.255+/-1.509 χ^2/NDF: 111.0/57

All: 6.569+/-1.086 χ^2/NDF: 210.1/117

- sign 3.681+/-1.565 χ^2/NDF: 92.6/59

diff_bpm4aediffX_rms vs Slug



Right In: 14587.268+/-2.362 χ^2/NDF: 3594211.6/32

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 15453.736+/-2.460 χ^2/NDF: 3404949.8/36

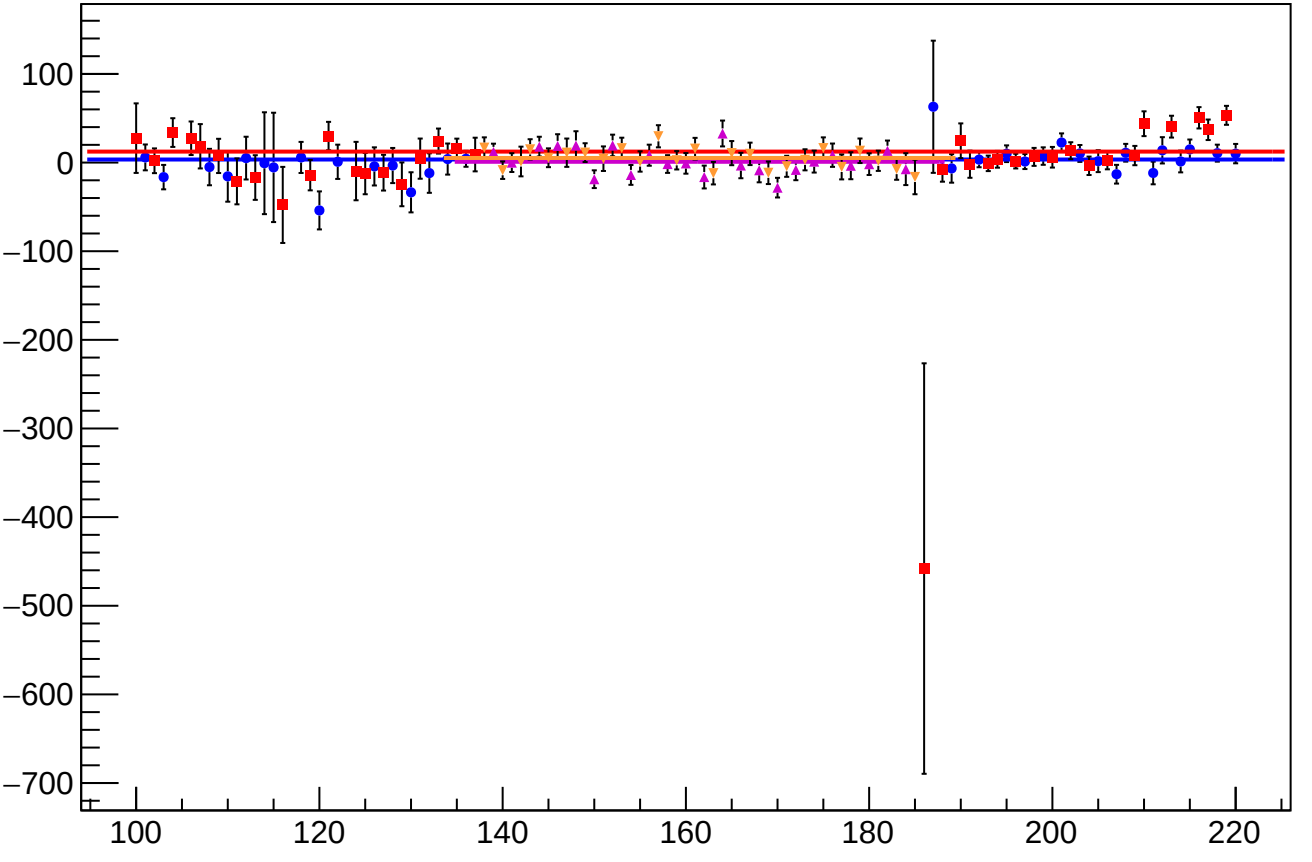
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8863.093+/-1.067 χ^2/NDF: 11295764.3/57

All: 8966.404+/-0.768 χ^2/NDF: 23424084.6/1

- sign 9077.485+/-1.106 χ^2/NDF: 12108868.1/59

diff_bpm4aesumY_mean vs Slug



Right In: 3.454+/-2.284 χ^2/NDF: 26.0/32

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 12.387+/-2.274 χ^2/NDF: 74.1/36

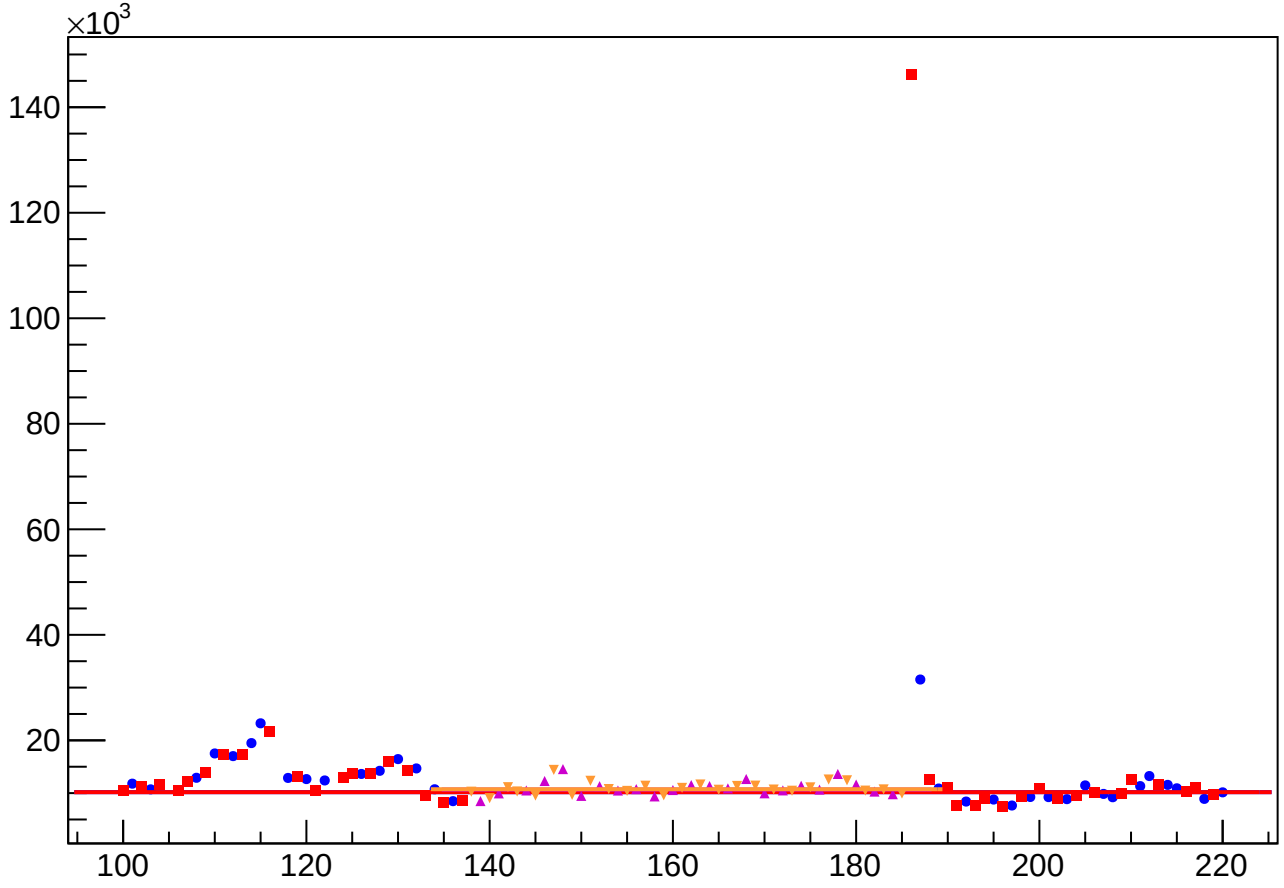
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 4.252+/-1.673 χ^2/NDF: 44.7/57

All: 5.724+/-1.188 χ^2/NDF: 163.6/117

- sign 7.223+/-1.688 χ^2/NDF: 117.3/59

diff_bpm4aesumY_rms vs Slug



Right In: 10179.134+/-1.615 χ^2/NDF: 1801205.8/32

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10177.656+/-1.608 χ^2/NDF: 2405724.4/36

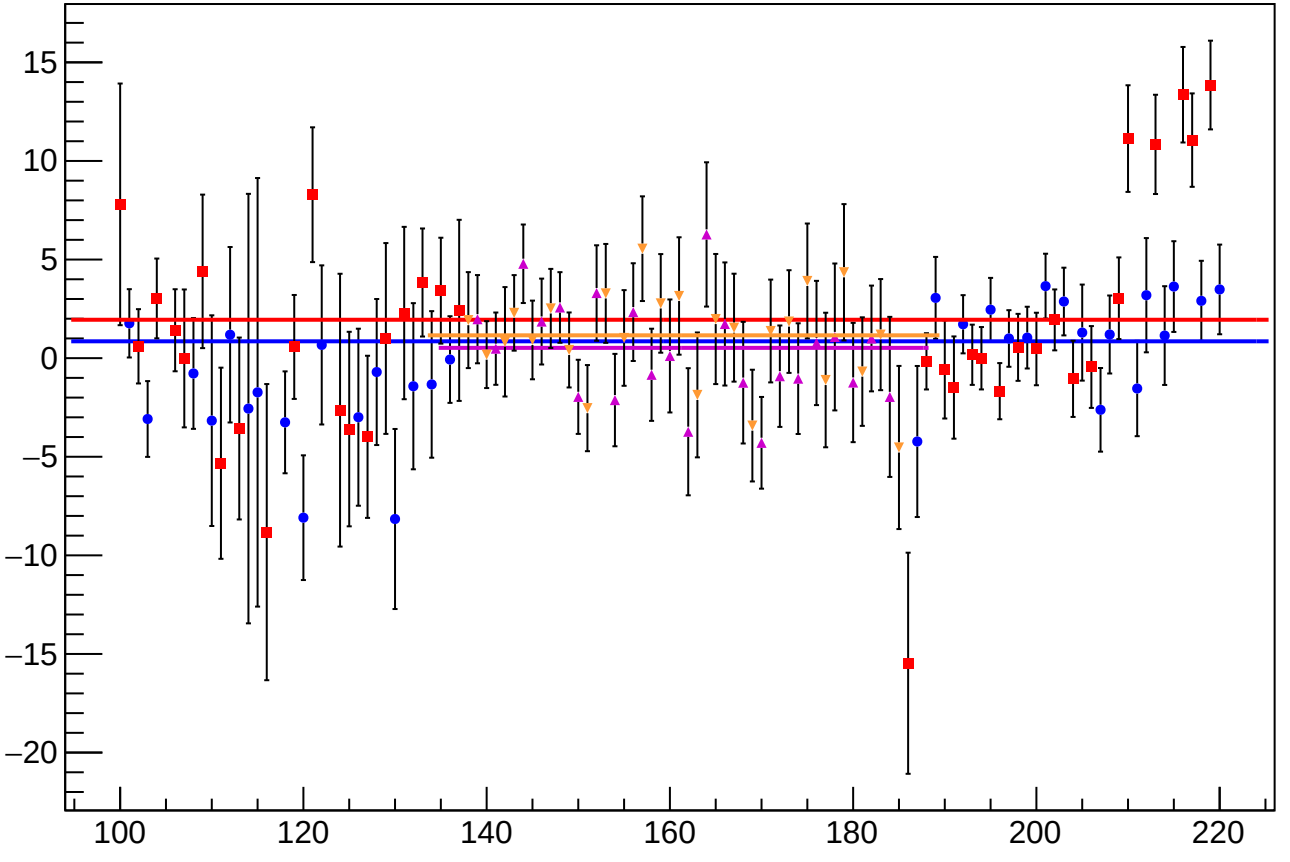
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10435.961+/-1.183 χ^2/NDF: 2224115.6/57

All: 10419.149+/-0.840 χ^2/NDF: 5174151.8/1

- sign 10402.039+/-1.194 χ^2/NDF: 2949628.8/59

diff_bpm4aediffY_mean vs Slug



Right In: 0.854+/-0.404 χ^2/NDF: 38.4/32

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 1.947+/-0.389 χ^2/NDF: 134.9/36

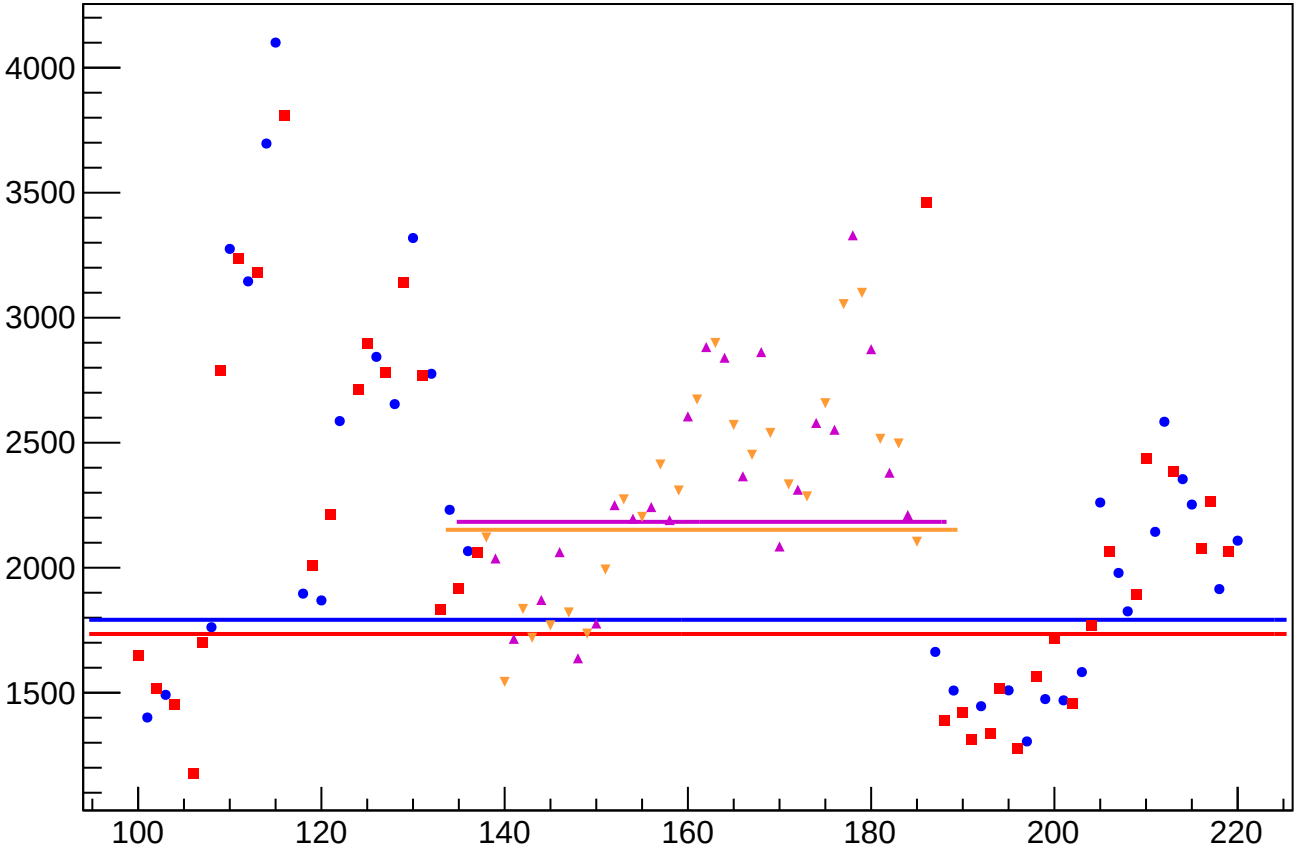
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

\+ sign 0.974+/-0.314 χ^2/NDF: 55.5/57

All: 1.207+/-0.221 χ^2/NDF: 218.6/117

\- sign 1.435+/-0.312 χ^2/NDF: 162.0/59

diff_bpm4aediffY_rms vs Slug



Right In: 1791.728+/-0.286 χ^2/NDF: 2472860.6/32

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

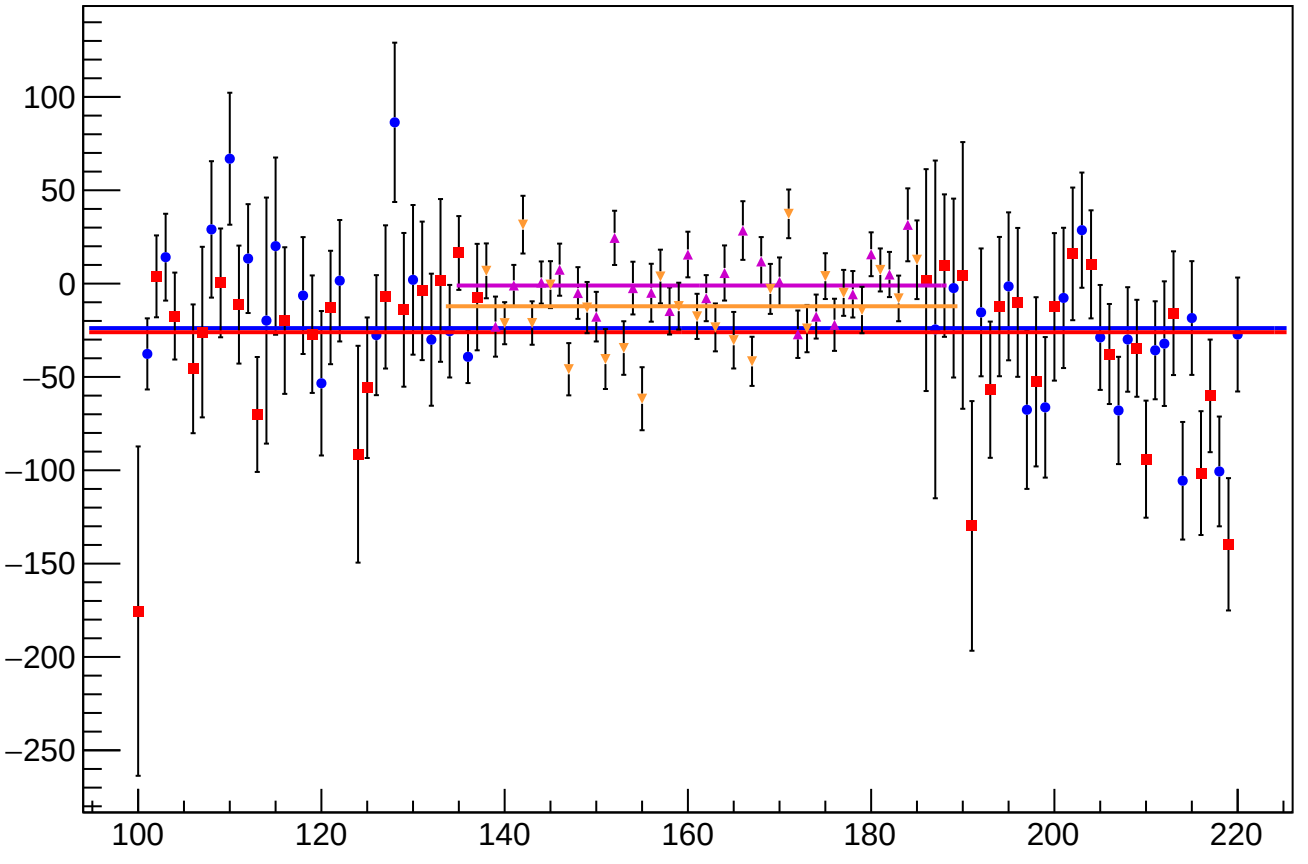
Right Out: 1734.980+/-0.275 χ^2/NDF: 2912323.2/36

Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1934.004+/-0.222 χ^2/NDF: 4449237.6/57

All: 1914.922+/-0.157 χ^2/NDF: 9492034.5/11

- sign 1896.171+/-0.220 χ^2/NDF: 5028189.6/59



Right In: -23.843+/-5.290 χ^2/NDF: 46.5/32

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: -26.034+/-5.516 χ^2/NDF: 46.5/36

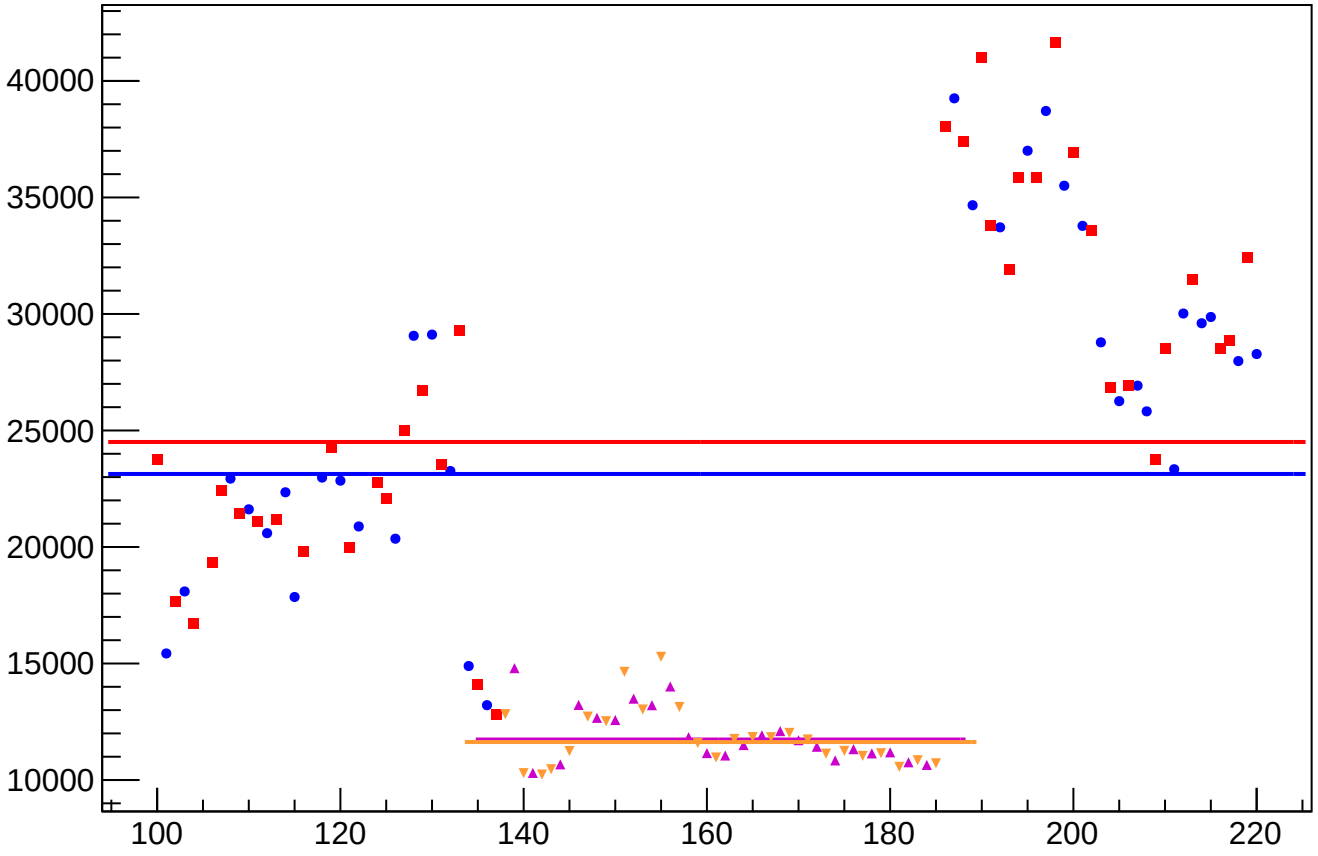
Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

+ sign -14.499+/-2.377 χ^2/NDF: 113.0/57

All: -10.418+/-1.712 χ^2/NDF: 210.9/117

- sign -6.025+/-2.467 χ^2/NDF: 91.7/59

diff_bpmtargetsumX_rms vs Slug



Right In: 23134.095+/-3.740 χ^2/NDF: 3574107.9/32

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 24507.065+/-3.900 χ^2/NDF: 3382844.3/36

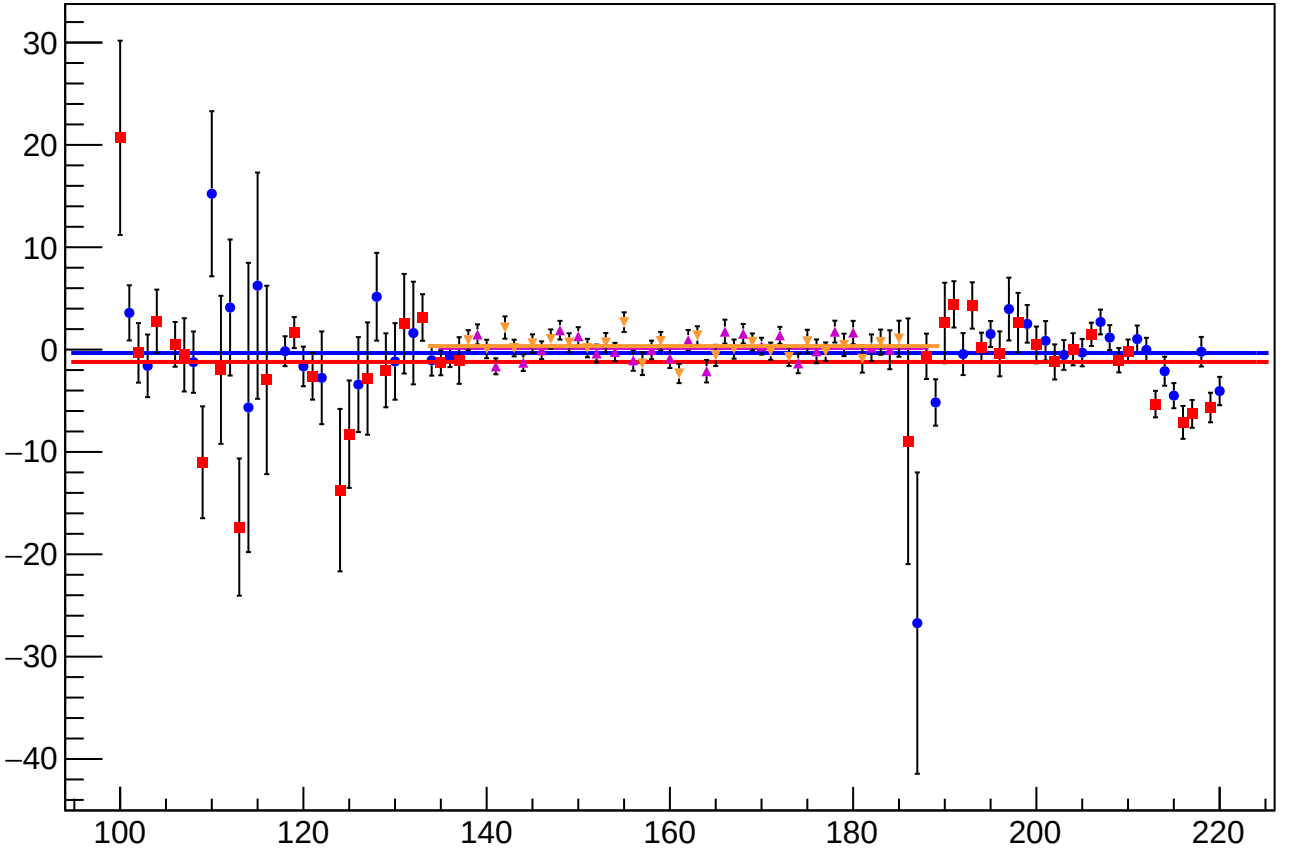
Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

+ sign 13953.592+/-1.681 χ^2/NDF: 11478938.5/57

All: 14116.306+/-1.210 χ^2/NDF: 23769001.5

- sign 14291.472+/-1.744 χ^2/NDF: 12270605.9/59

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.335+/-0.311 χ^2/NDF: 54.3/32

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: -1.206+/-0.329 χ^2/NDF: 100.7/36

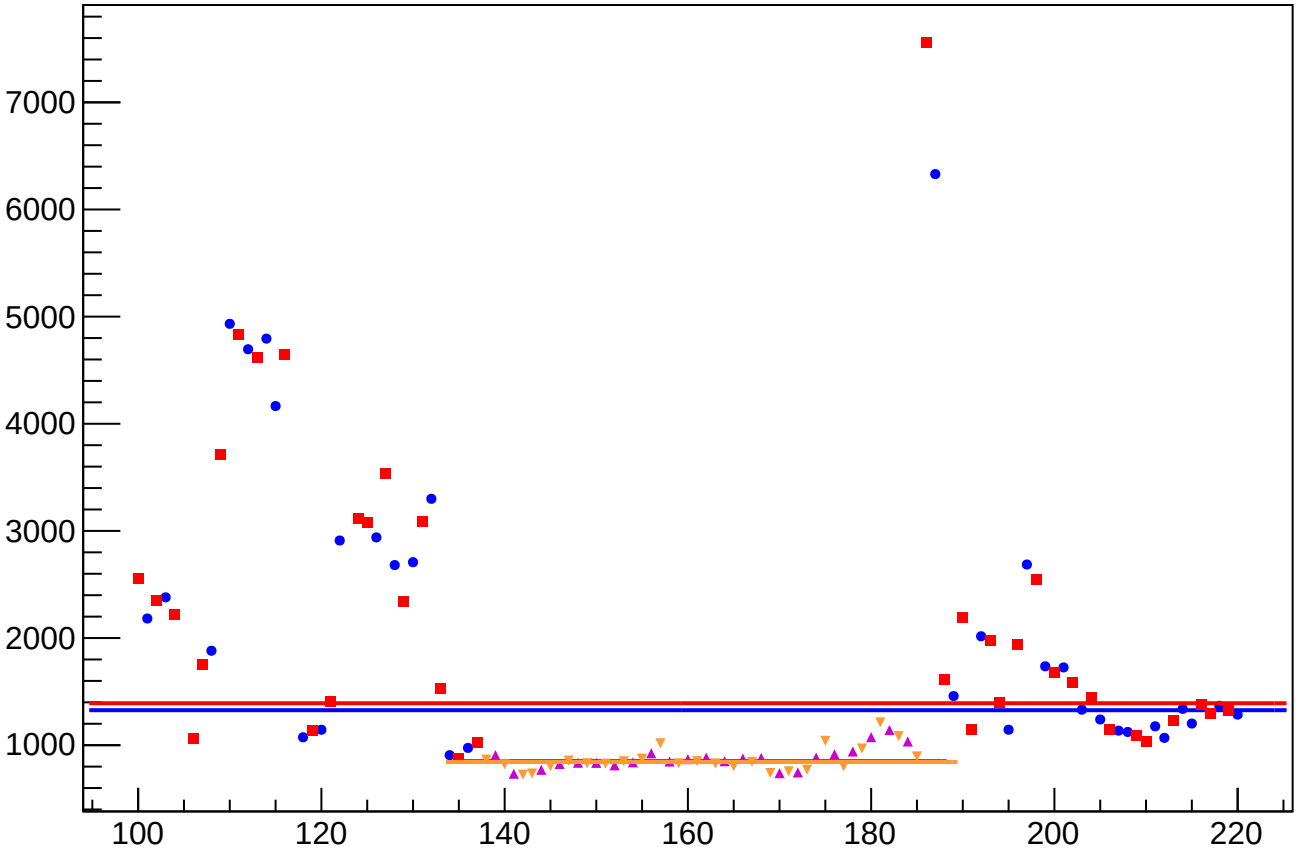
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.153+/-0.164 χ^2/NDF: 84.5/57

All: -0.020+/-0.119 χ^2/NDF: 236.4/117

- sign -0.208+/-0.171 χ^2/NDF: 149.7/59

diff_bpmtargetdiffX_rms vs Slug



Right In: 1326.528+/-0.220 χ^2/NDF: 4748069.6/32

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1391.482+/-0.233 χ^2/NDF: 5223357.3/36

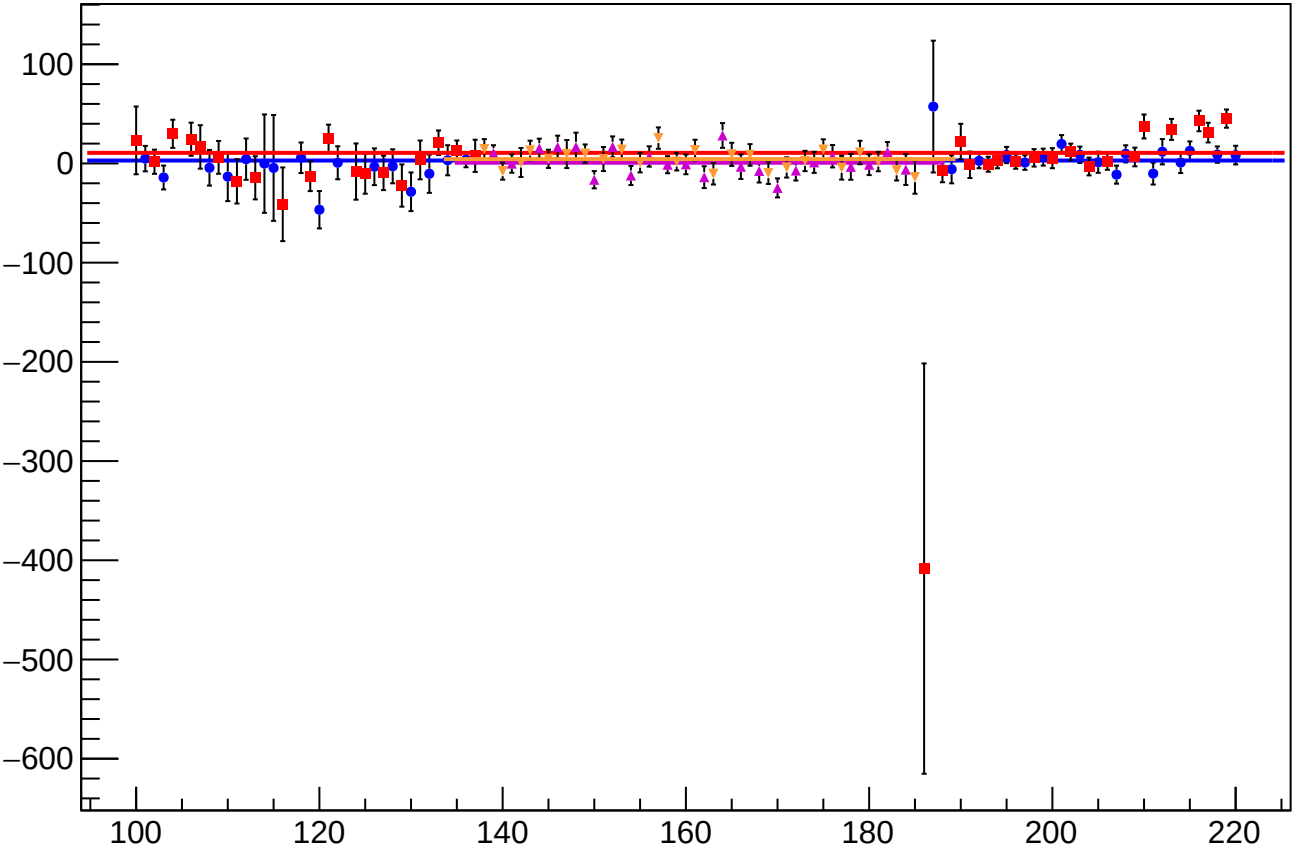
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 978.256+/-0.116 χ^2/NDF: 8728479.8/57

All: 987.883+/-0.084 χ^2/NDF: 18274943.1/11

- sign 998.338+/-0.121 χ^2/NDF: 9532172.6/59

diff_bpmtargetsumY_mean vs Slug



Right In: 2.940+/-1.976 χ^2/NDF: 25.6/32

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 10.670+/-1.971 χ^2/NDF: 72.1/36

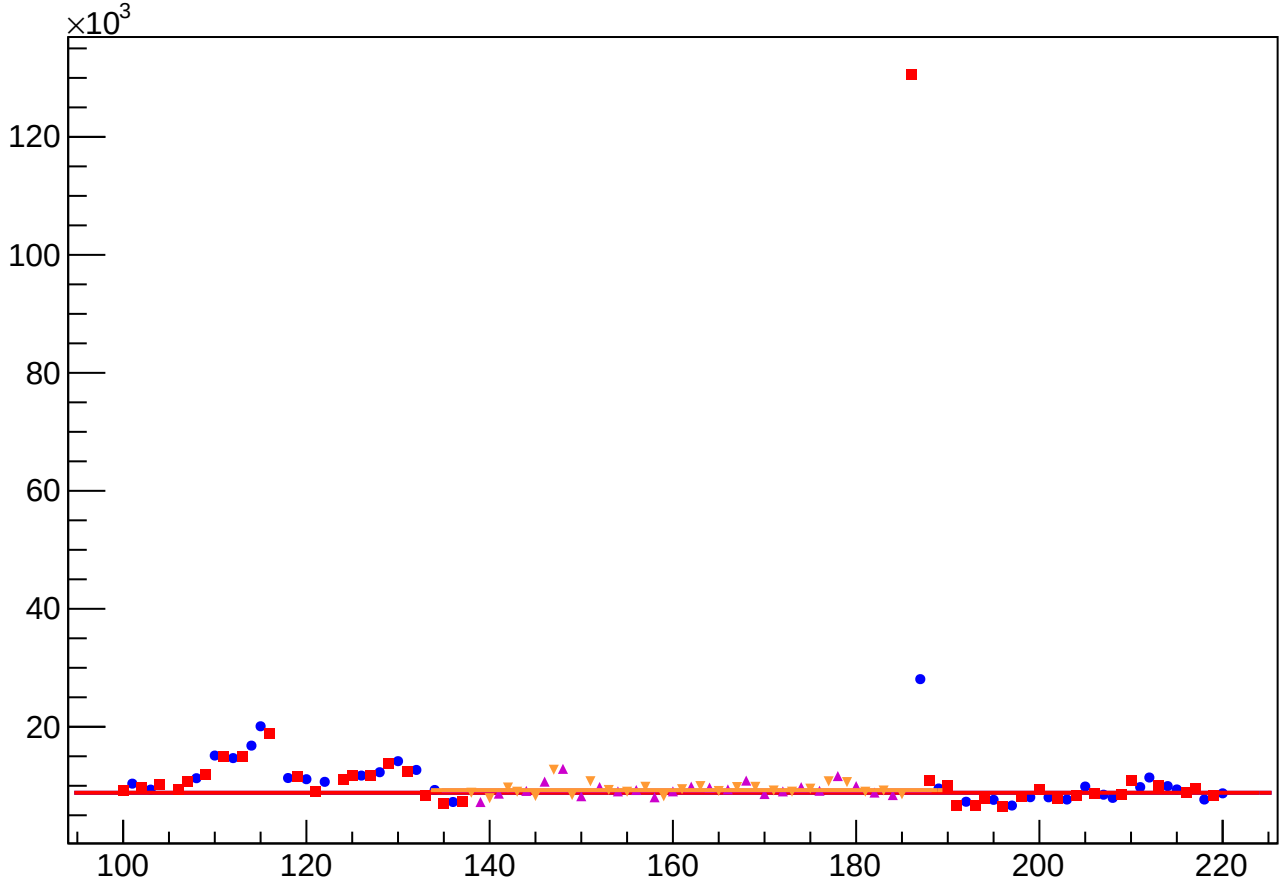
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

\+ sign 3.610+/-1.446 χ^2/NDF: 44.4/57

All: 4.883+/-1.027 χ^2/NDF: 161.5/117

\- sign 6.179+/-1.459 χ^2/NDF: 115.5/59

diff_bpmtargetsumY_rms vs Slug



Right In: 8808.008+/-1.397 χ^2/NDF: 1806844.0/32

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8819.223+/-1.394 χ^2/NDF: 2403754.8/36

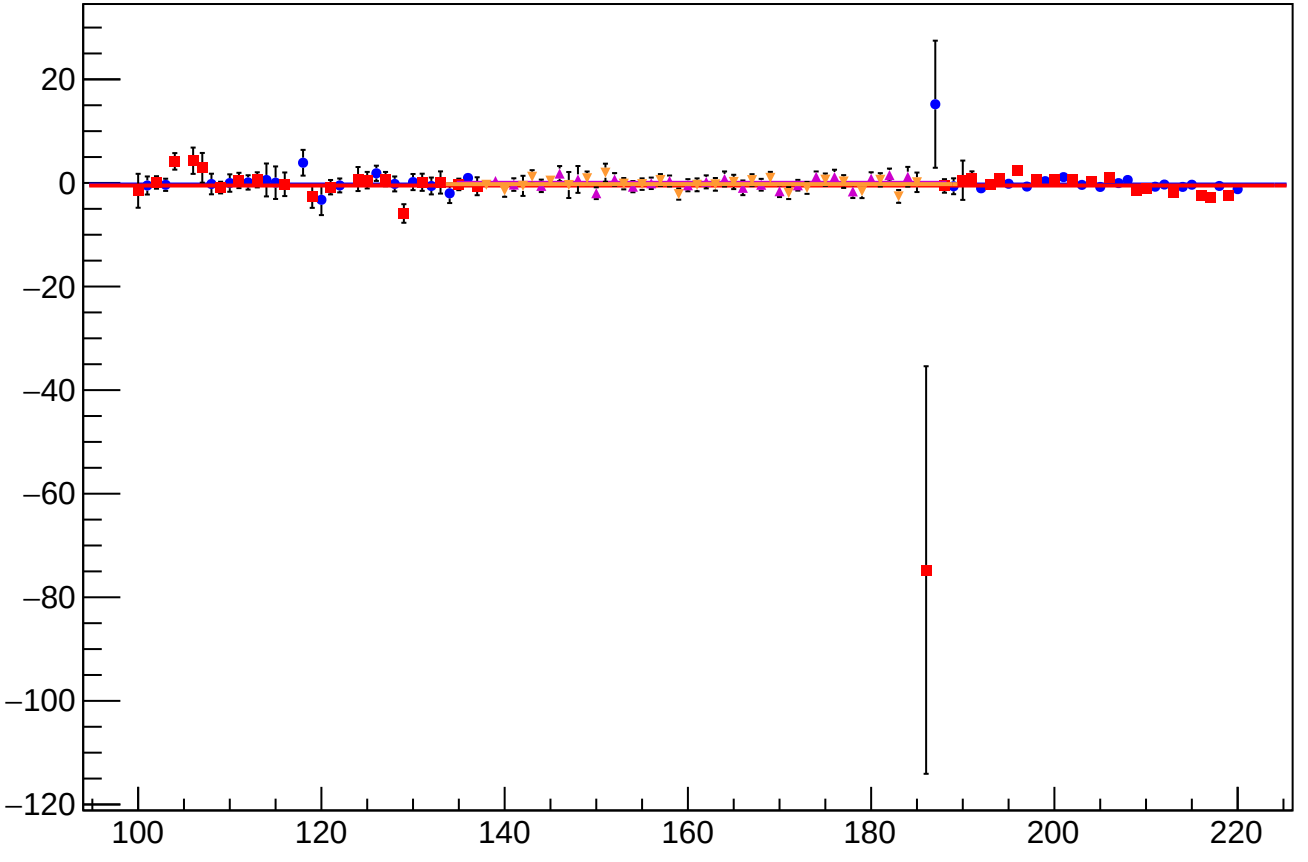
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9018.710+/-1.023 χ^2/NDF: 2221849.5/57

All: 9005.045+/-0.726 χ^2/NDF: 5175108.2/11

- sign 8991.130+/-1.032 χ^2/NDF: 2952898.2/59

diff_bpmtargetdiffY_mean vs Slug



Right In: -0.303+/-0.159 χ^2/NDF: 21.6/32

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

Right Out: -0.499+/-0.163 χ^2/NDF: 102.1/36

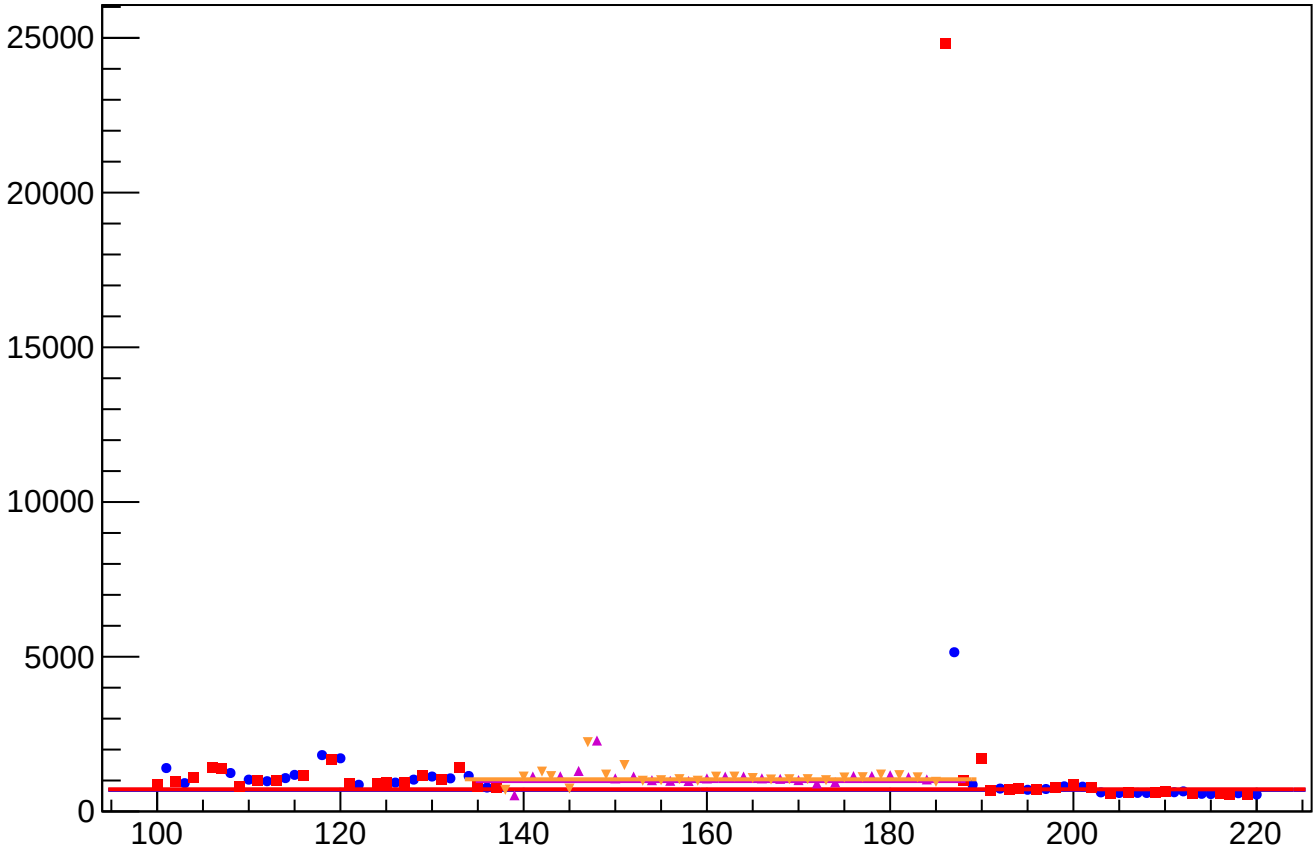
Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.281+/-0.133 χ^2/NDF: 40.7/57

All: -0.306+/-0.095 χ^2/NDF: 161.3/117

- sign -0.332+/-0.135 χ^2/NDF: 120.6/59

diff_bpmtargetdiffY_rms vs Slug



Right In: 696.436+/-0.112 χ^2/NDF: 2958589.9/32

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 715.647+/-0.116 χ^2/NDF: 3393972.1/36

Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 798.873+/-0.094 χ^2/NDF: 7083403.7/57

All: 799.617+/-0.067 χ^2/NDF: 14389855.3/11

- sign 800.382+/-0.095 χ^2/NDF: 7306324.7/59

yield_cav4bX_mean vs Slug

Right In: 139.336+/-0.000 χ^2/NDF: 71912202847.3/32

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774194018093061.0/36

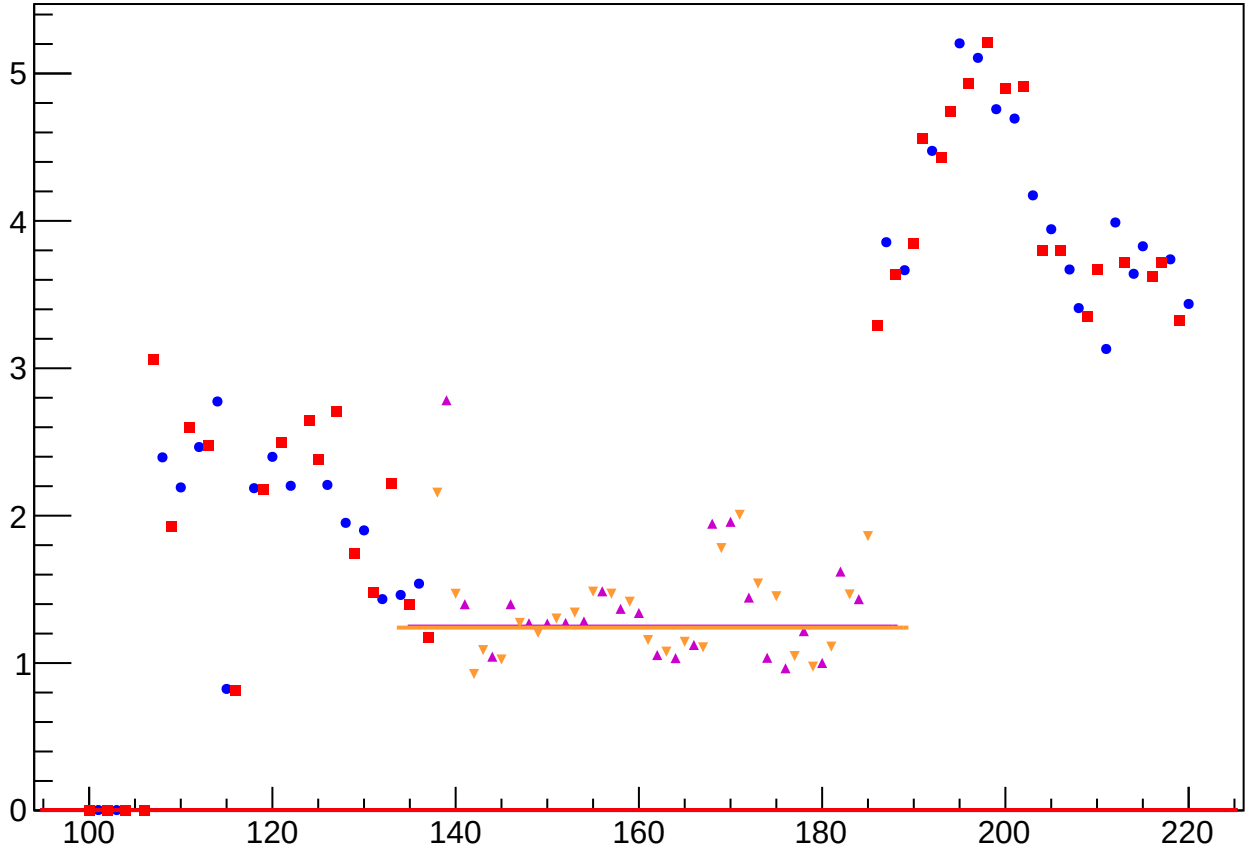
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.327+/-0.000 χ^2/NDF: 346453365859.2/5

All: 131.810+/-0.000 χ^2/NDF: 79353274723

- sign 125.384+/-0.000 χ^2/NDF: 774407669961380

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 36314487.1/32

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

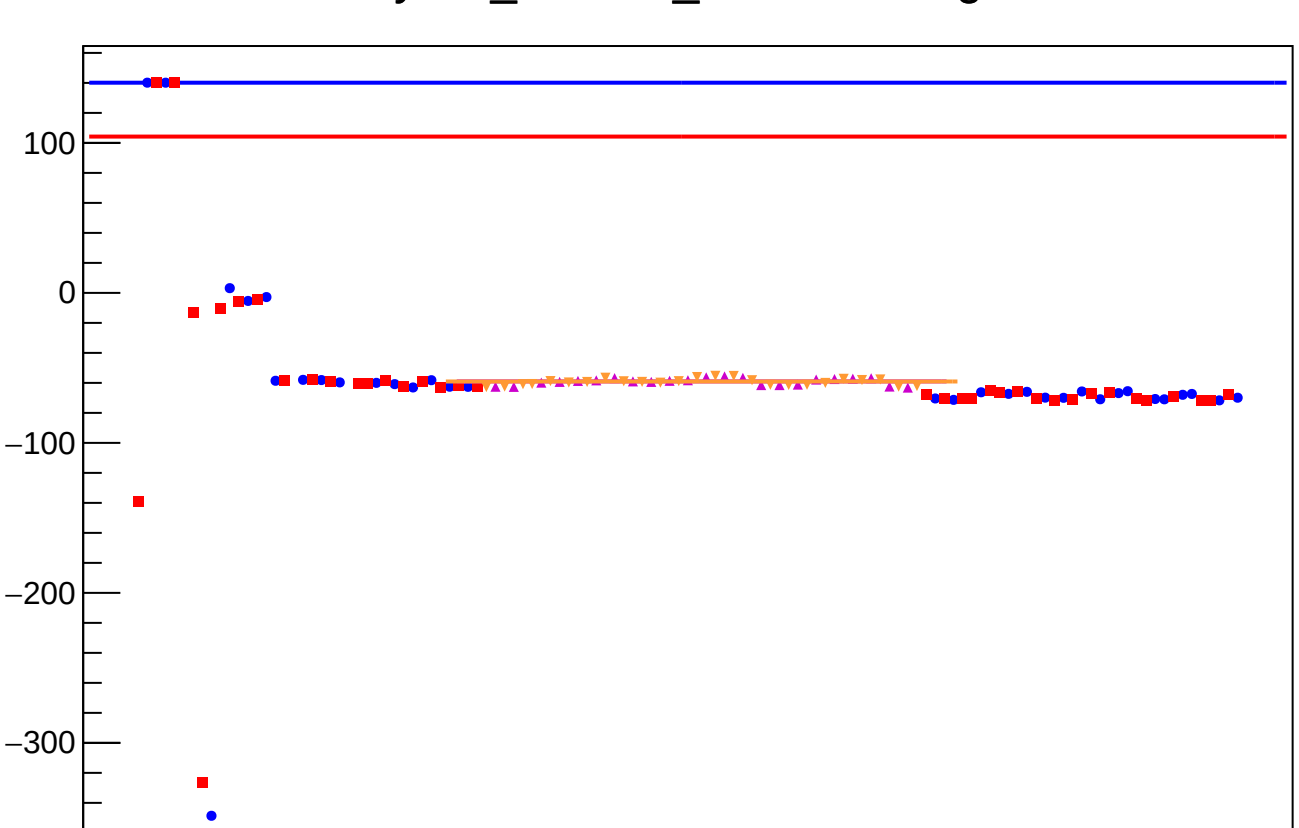
Right Out: 0.003+/-0.000 χ^2/NDF: 36916850.9/36

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

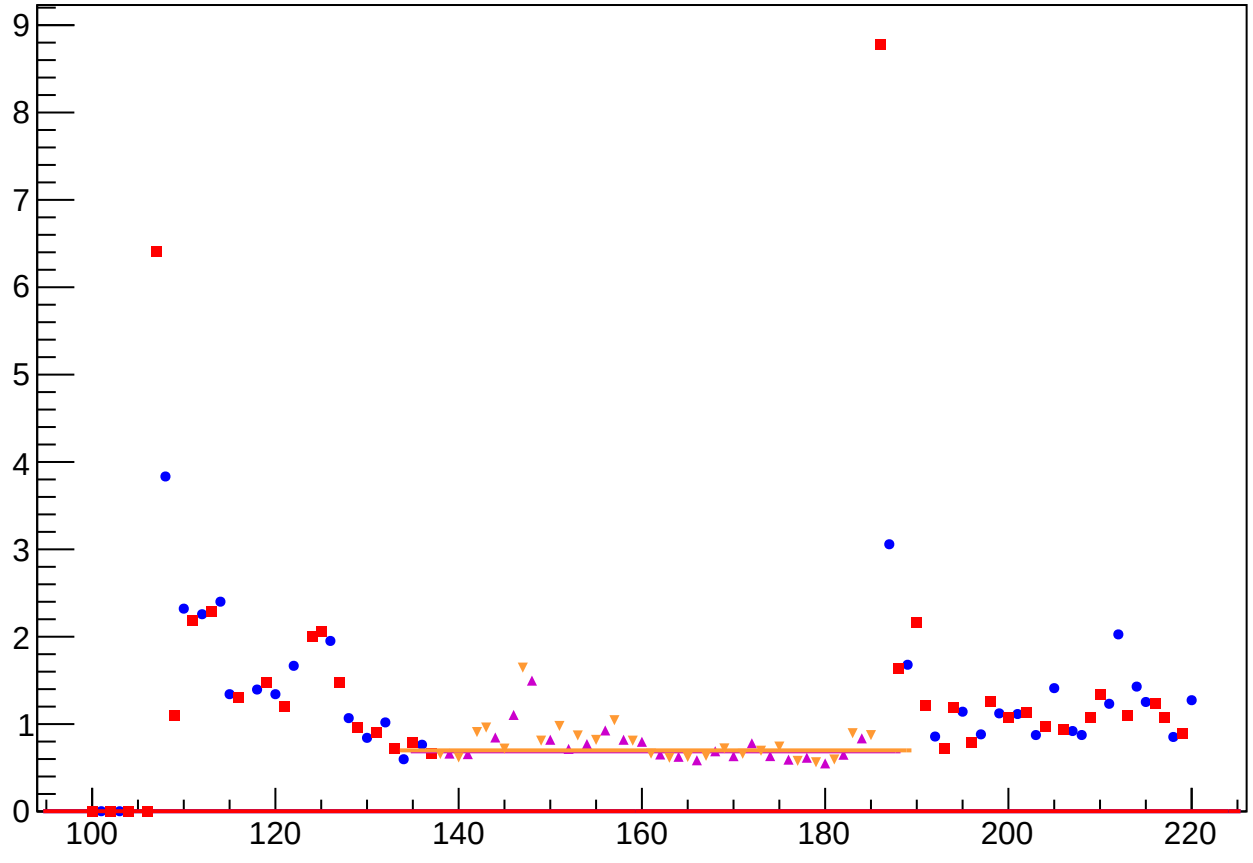
+ sign 0.003+/-0.000 χ^2/NDF: 67612231.3/57

All: 0.003+/-0.000 χ^2/NDF: 134296147.3/117

- sign 0.003+/-0.000 χ^2/NDF: 66683491.2/59


yield_cav4bY_mean vs Slug
100
0
−100
−200
−300
100
120
140
160
180
200
220
Right In: 140.132+/-0.000 χ²/NDF: 605961957579.4/32
Left Out: -59.066+/-0.000 χ²/NDF:177511074.0/24
Right Out: 104.215+/-0.000 χ²/NDF: 1257717494106069.5/36
Left In: -59.020+/-0.000 χ²/NDF:179236820.4/22
+ sign 140.096+/-0.000 χ²/NDF: 1903006018753.3
All: 120.791+/-0.000 χ²/NDF: 13837173858
- sign 104.190+/-0.000 χ²/NDF: 125857446627317

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 33038184.8/32

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

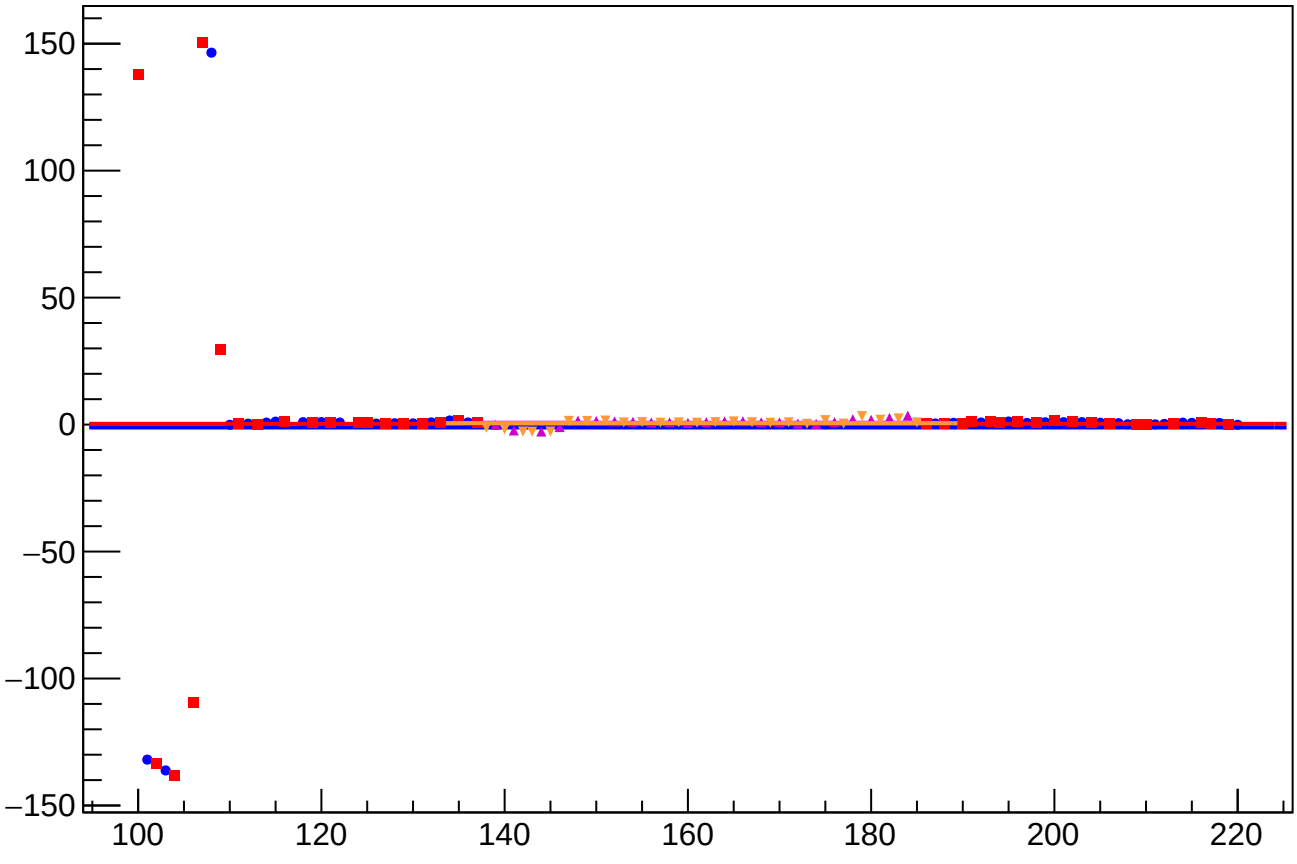
Right Out: 0.003+/-0.000 χ^2/NDF: 34272336.2/36

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 66087385.7/57

All: 0.003+/-0.000 χ^2/NDF: 131666304.4/117

- sign 0.003+/-0.000 χ^2/NDF: 65578263.7/59



Right In: -1.146+/-0.000 χ^2/NDF: 9913464877.1/32

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.299+/-0.000 χ^2/NDF: 3613096140.1/36

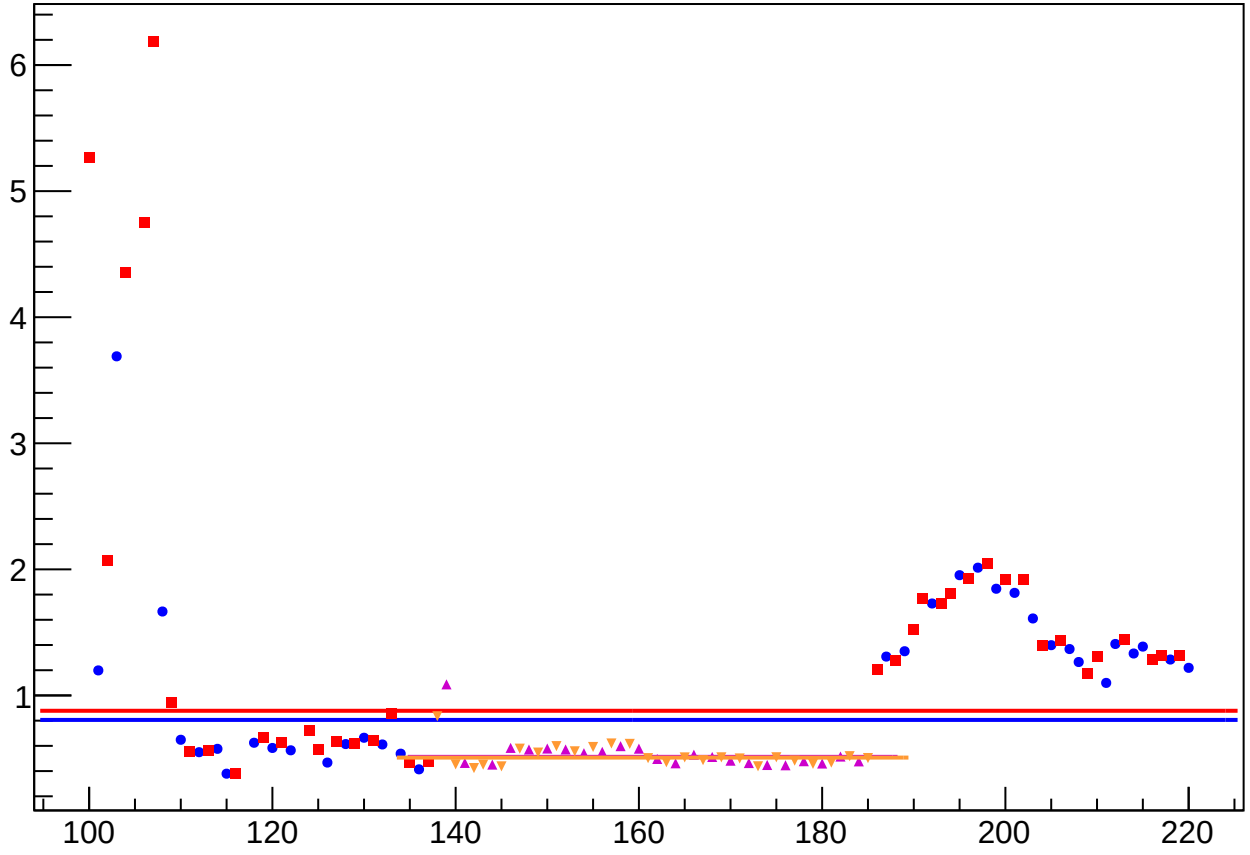
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.109+/-0.000 χ^2/NDF: 10116594334.2/57

All: 0.352+/-0.000 χ^2/NDF: 13847904621.3/1

- sign 0.620+/-0.000 χ^2/NDF: 3720967275.6/59

yield_cav4cX_rms vs Slug



Right In: 0.806+/-0.000 χ^2/NDF: 9190939.6/32

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

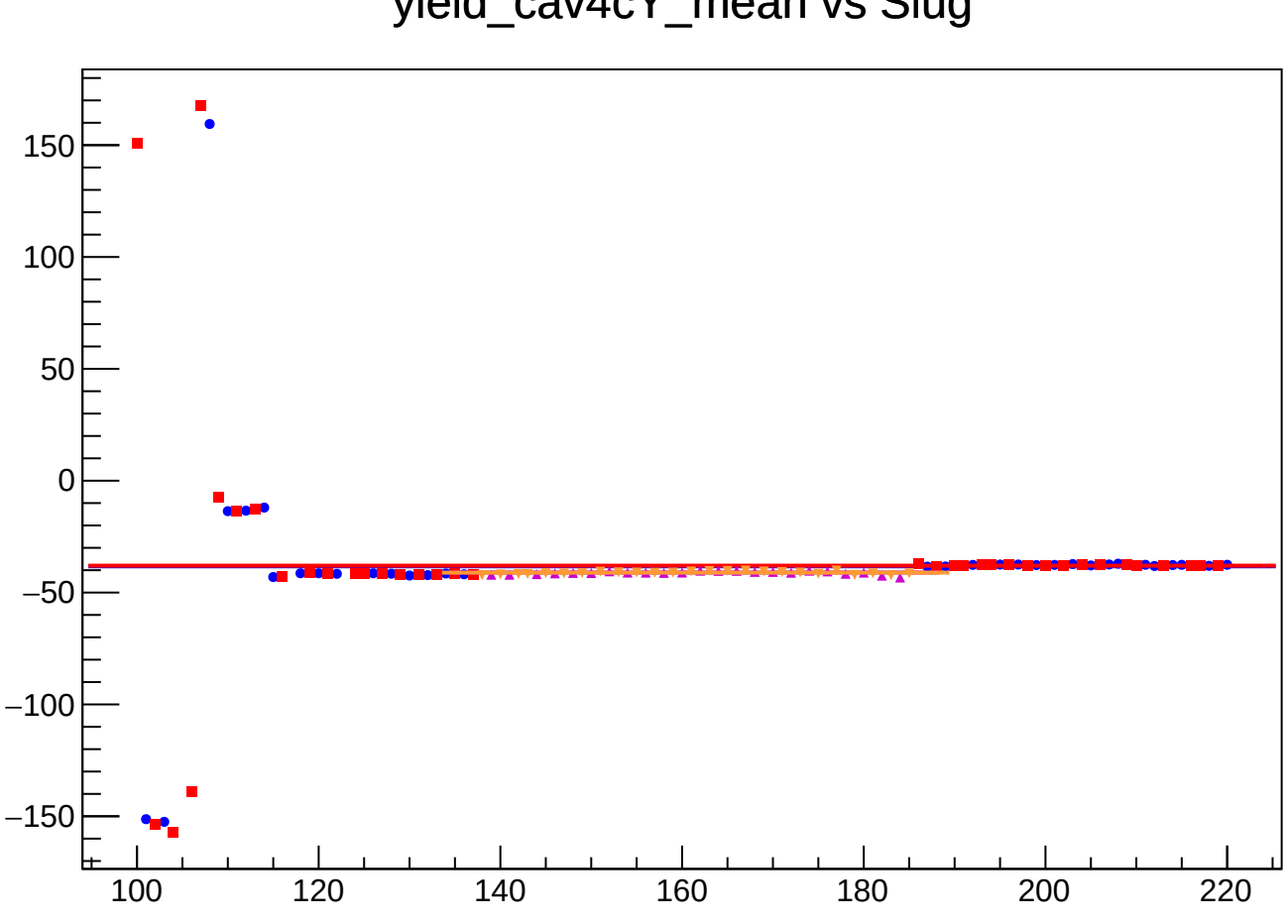
Right Out: 0.878+/-0.000 χ^2/NDF: 9366162.3/36

Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

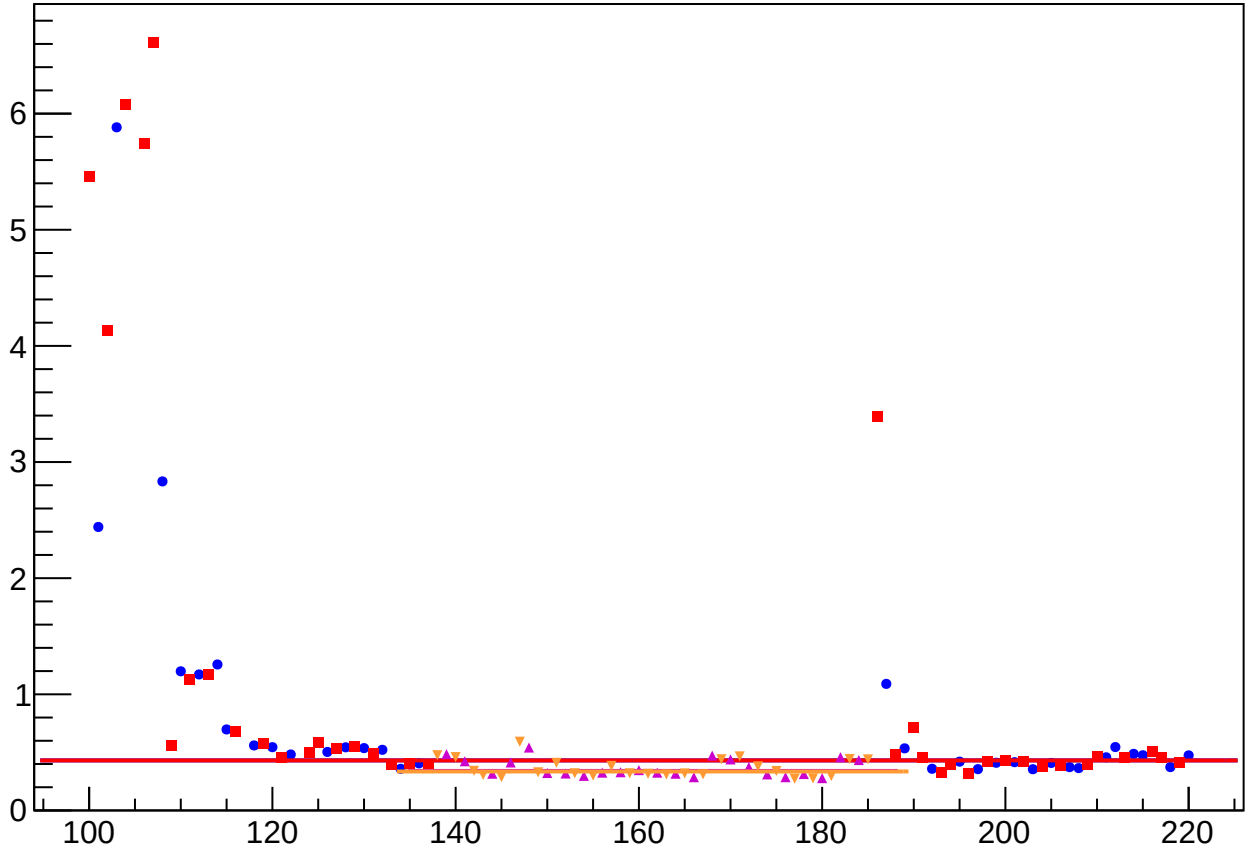
+ sign 0.588+/-0.000 χ^2/NDF: 12686289.8/57

All: 0.597+/-0.000 χ^2/NDF: 26723916.7/117

- sign 0.608+/-0.000 χ^2/NDF: 14006461.8/59


yield_cav4cY_mean vs Slug
150
100
50
0
−50
−100
−150
100
120
140
160
180
200
220
Right In: -38.267+/-0.000 χ²/NDF: 3625321155.9/32
Left Out: -41.092+/-0.000 χ²/NDF:60251030.2/24
Right Out: -37.978+/-0.000 χ²/NDF: 2514614432.7/36
Left In: -41.029+/-0.000 χ²/NDF:51382147.2/22
+ sign -40.036+/-0.000 χ²/NDF: 4155313471.9/57
All: -39.935+/-0.000 χ²/NDF: 7258671703.8/
- sign -39.828+/-0.000 χ²/NDF: 3098033292.8/59

yield_cav4cY_rms vs Slug



Right In: 0.431+/-0.000 χ^2/NDF: 3908255.9/32

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

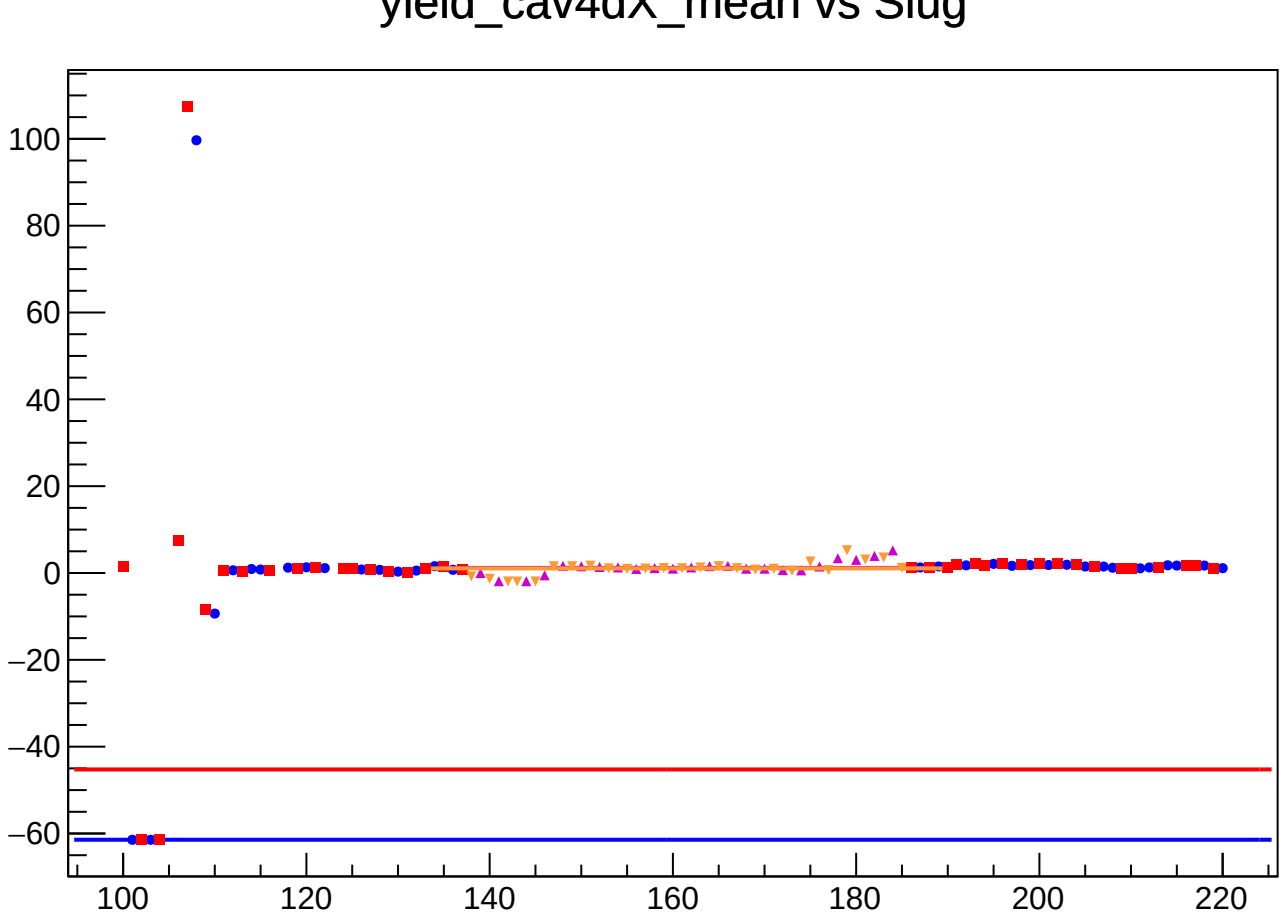
Right Out: 0.431+/-0.000 χ^2/NDF: 4747529.2/36

Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.371+/-0.000 χ^2/NDF: 6221396.5/57

All: 0.374+/-0.000 χ^2/NDF: 12977847.1/117

- sign 0.376+/-0.000 χ^2/NDF: 6751373.8/59



Right In: -61.434+/-0.000 χ^2/NDF: 308129723098.4/32

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.244+/-0.000 χ^2/NDF: 357888862928465.4/36

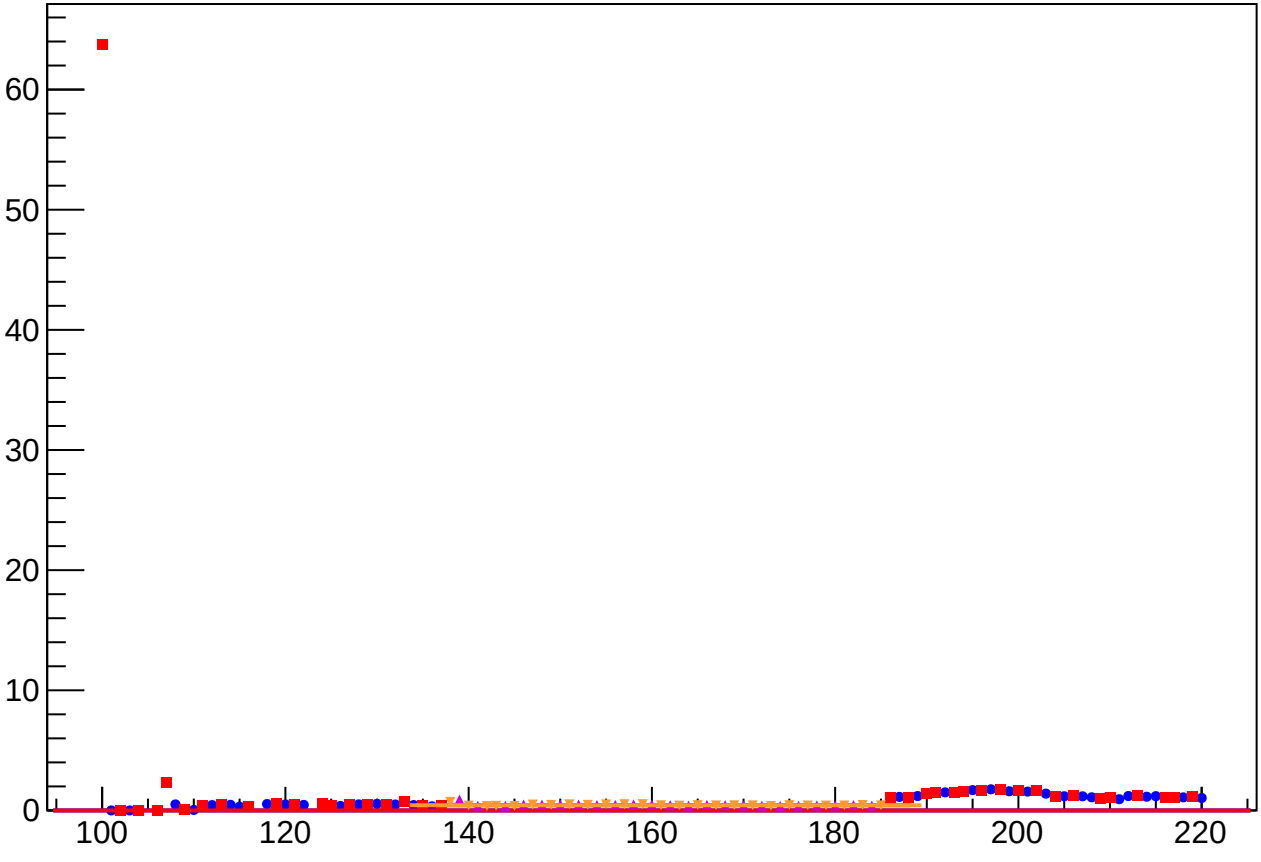
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.420+/-0.000 χ^2/NDF: 638122358150.0/5

All: -52.737+/-0.000 χ^2/NDF: 409642007591

- sign -45.236+/-0.000 χ^2/NDF: 358055423080825.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 35893892.6/32

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

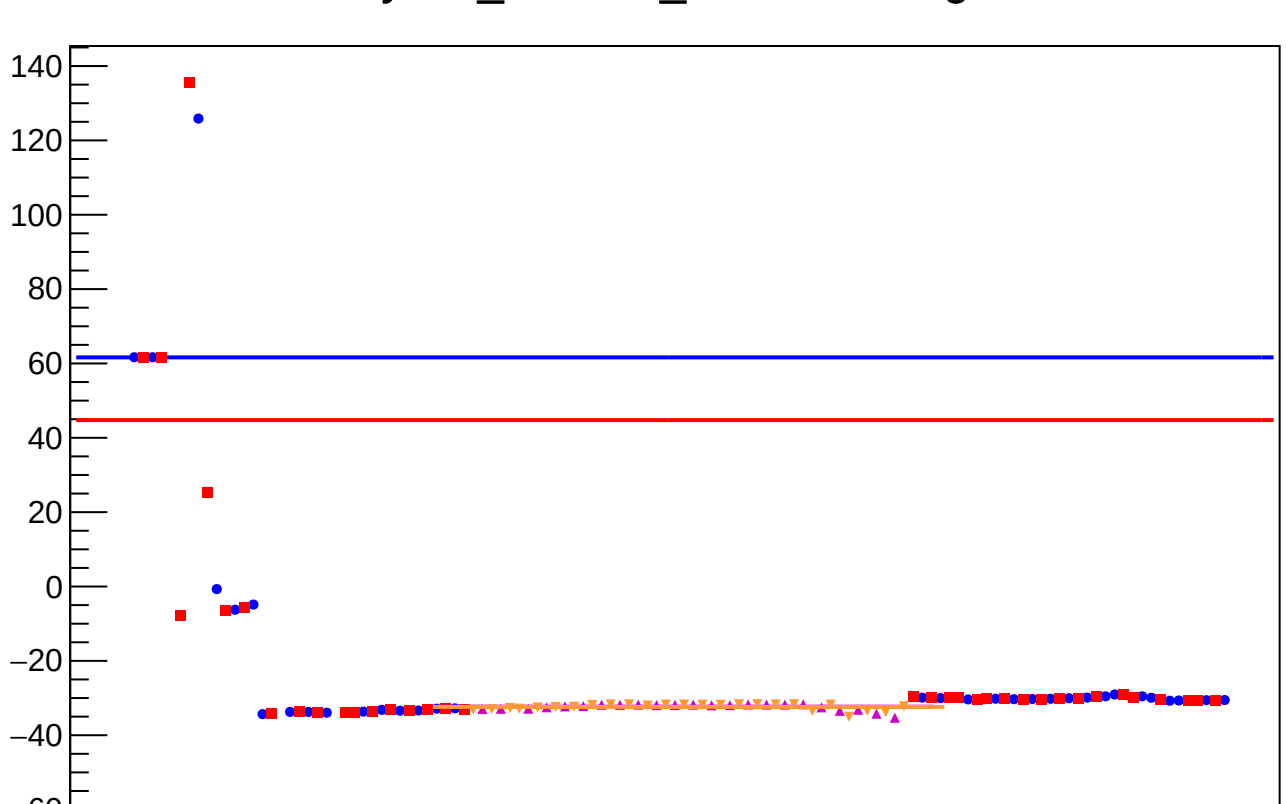
Right Out: 0.001+/-0.000 χ^2/NDF: 36549759.5/36

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 67655387.4/57

All: 0.002+/-0.000 χ^2/NDF: 134345362.1/117

- sign 0.002+/-0.000 χ^2/NDF: 66689703.3/59



Right In: 61.632+/-0.000 χ^2/NDF: 1288707609946.6/32

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.765+/-0.000 χ^2/NDF: 3666786537197 65.6/36

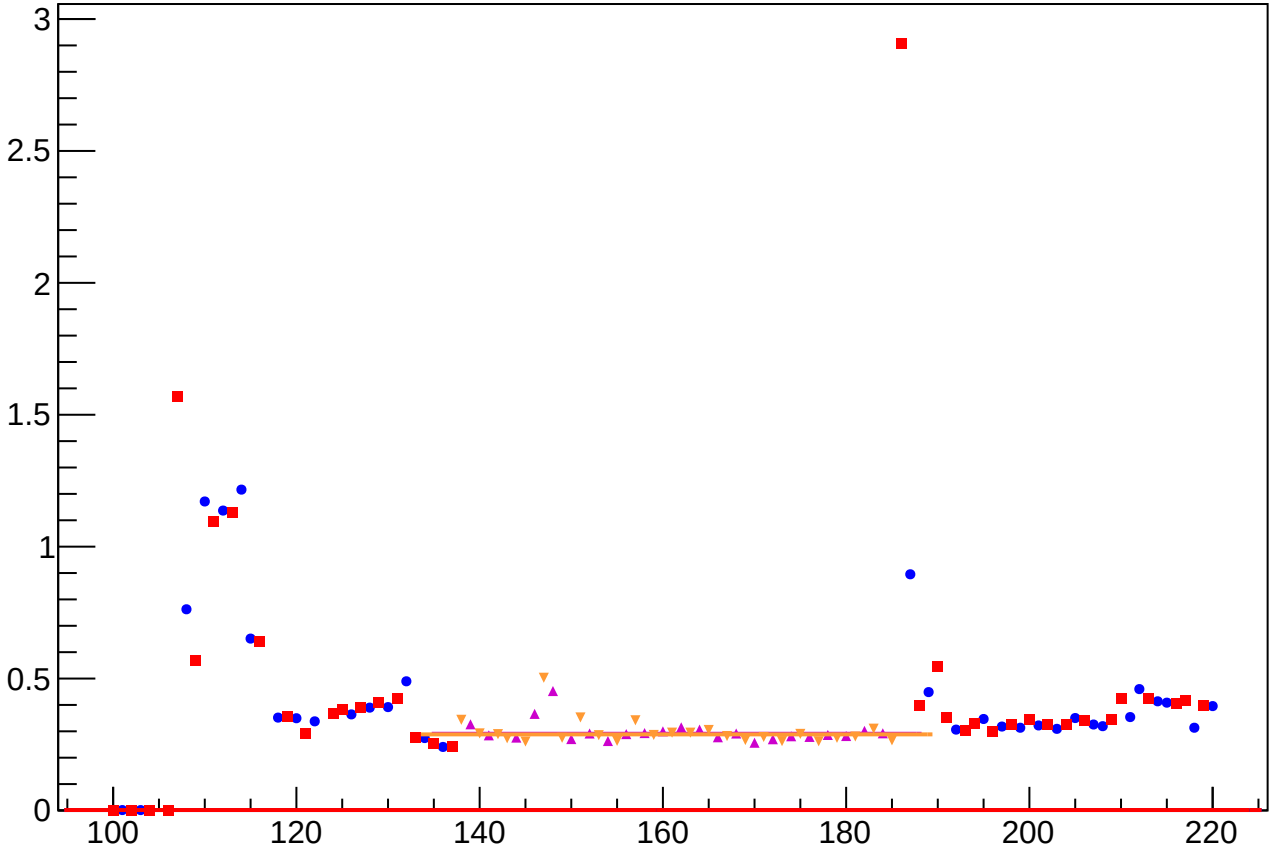
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.571+/-0.000 χ^2/NDF: 3245605440806.3/5

All: 52.614+/-0.000 χ^2/NDF: 422122870670

- sign 44.724+/-0.000 χ^2/NDF: 367905822431474.9

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 37180470.5/32

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 37374606.6/36

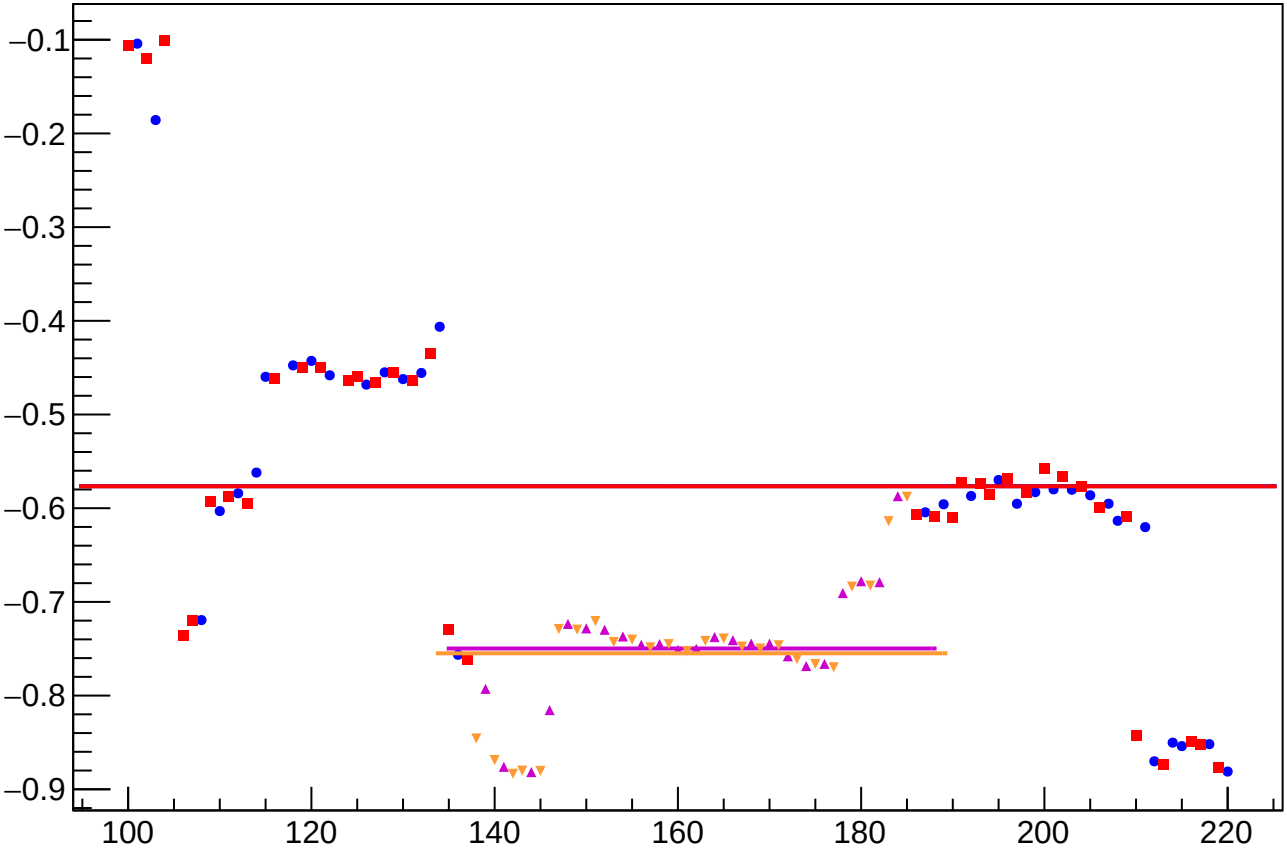
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 74115685.0/57

All: 0.002+/-0.000 χ^2/NDF: 146376140.2/117

- sign 0.002+/-0.000 χ^2/NDF: 72260160.3/59

yield_bpm4aX_mean vs Slug



Right In: -0.576+/-0.000 χ^2/NDF: 446351383.5/32

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.577+/-0.000 χ^2/NDF: 349705133.9/36

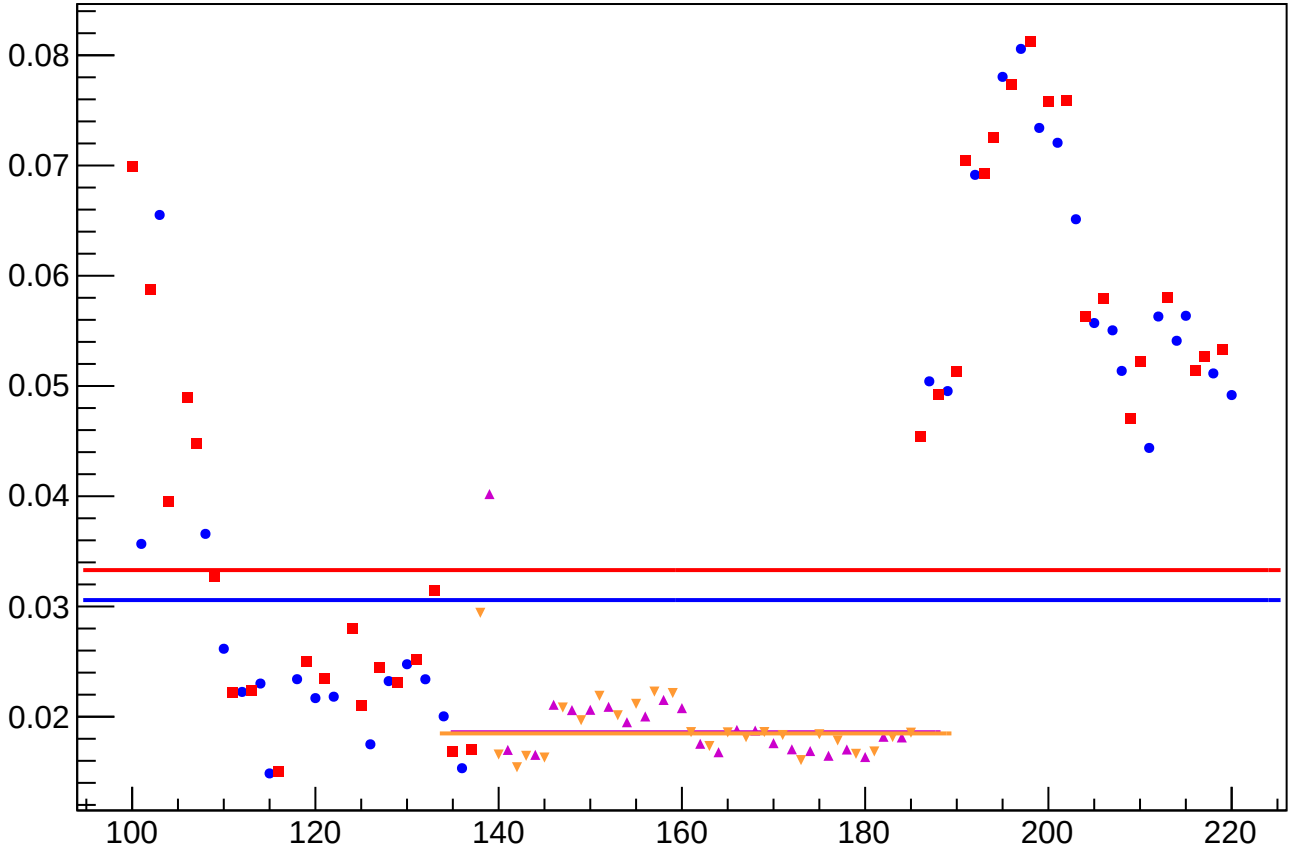
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.709+/-0.000 χ^2/NDF: 1030163322.6/57

All: -0.708+/-0.000 χ^2/NDF: 1836010045.2/1

- sign -0.707+/-0.000 χ^2/NDF: 805662282.3/59

yield_bpm4aX_rms vs Slug



Right In: 0.031+/-0.000 χ^2/NDF: 9400907.2/32

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.033+/-0.000 χ^2/NDF: 8695717.9/36

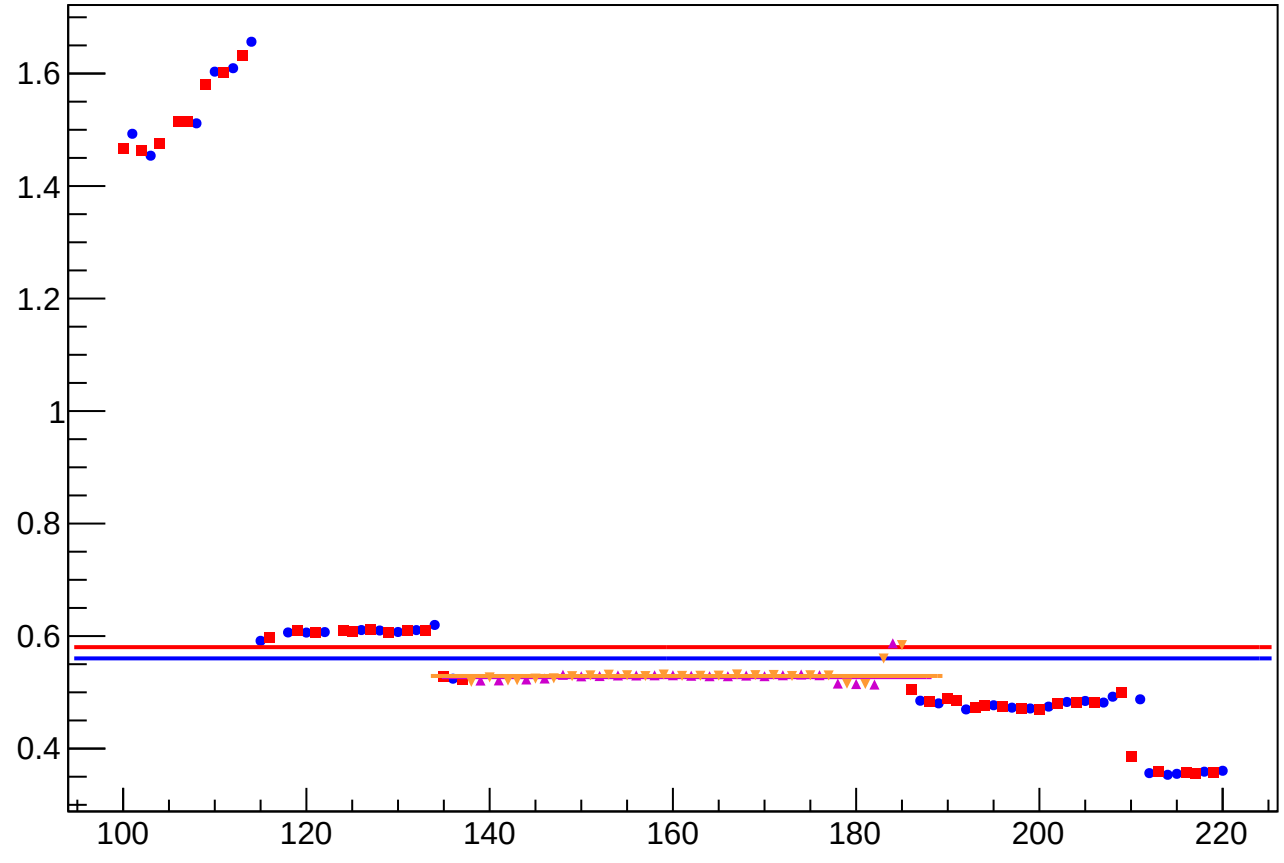
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.022+/-0.000 χ^2/NDF: 13305726.0/57

All: 0.022+/-0.000 χ^2/NDF: 27315241.6/117

- sign 0.022+/-0.000 χ^2/NDF: 13983516.3/59

yield_bpm4aY_mean vs Slug



Right In: 0.560+/-0.000 χ^2/NDF: 6418528581.2/32

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.580+/-0.000 χ^2/NDF: 7341846493.3/36

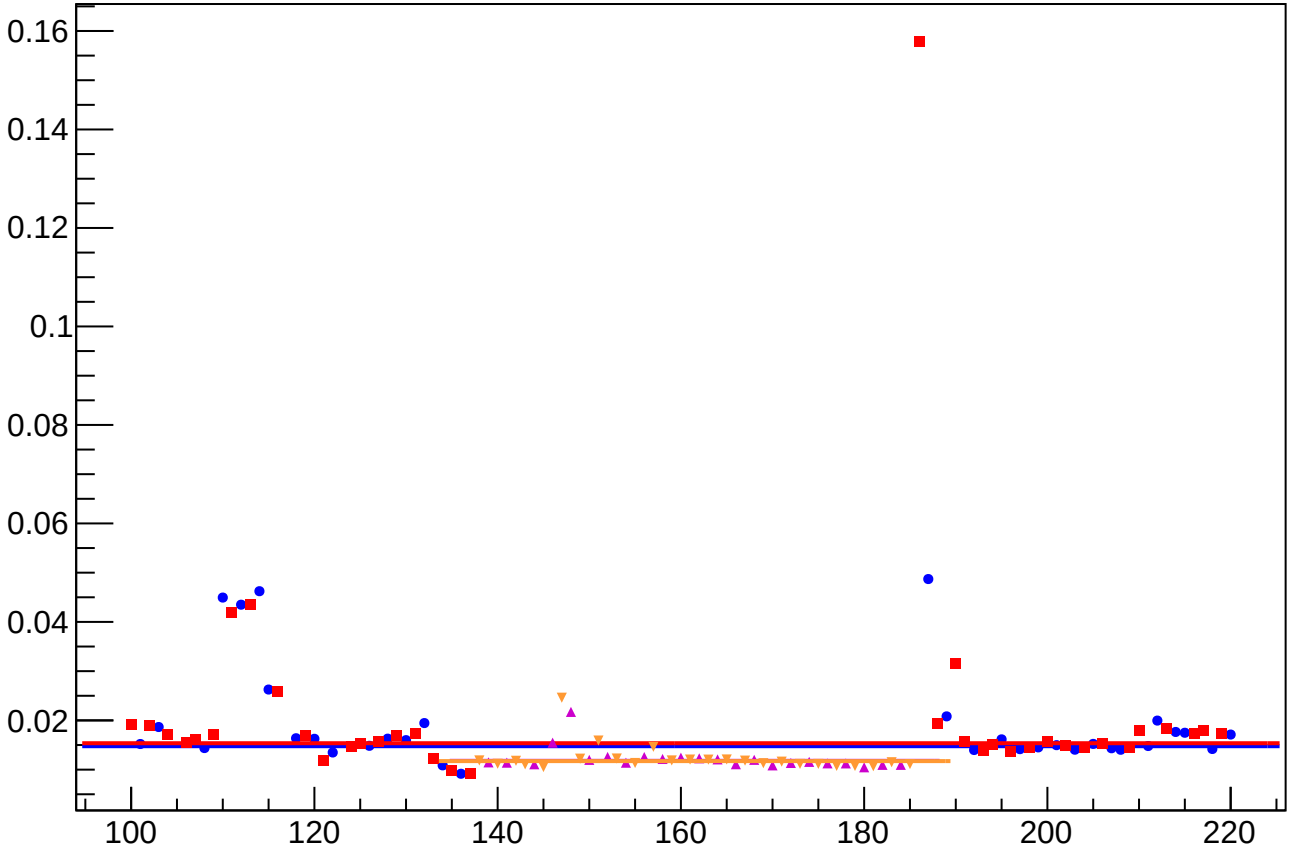
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.541+/-0.000 χ^2/NDF: 6486248456.0/57

All: 0.544+/-0.000 χ^2/NDF: 13986515013.4/1

- sign 0.548+/-0.000 χ^2/NDF: 7495659611.5/59

yield_bpm4aY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2231954.3/32

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2569878.3/36

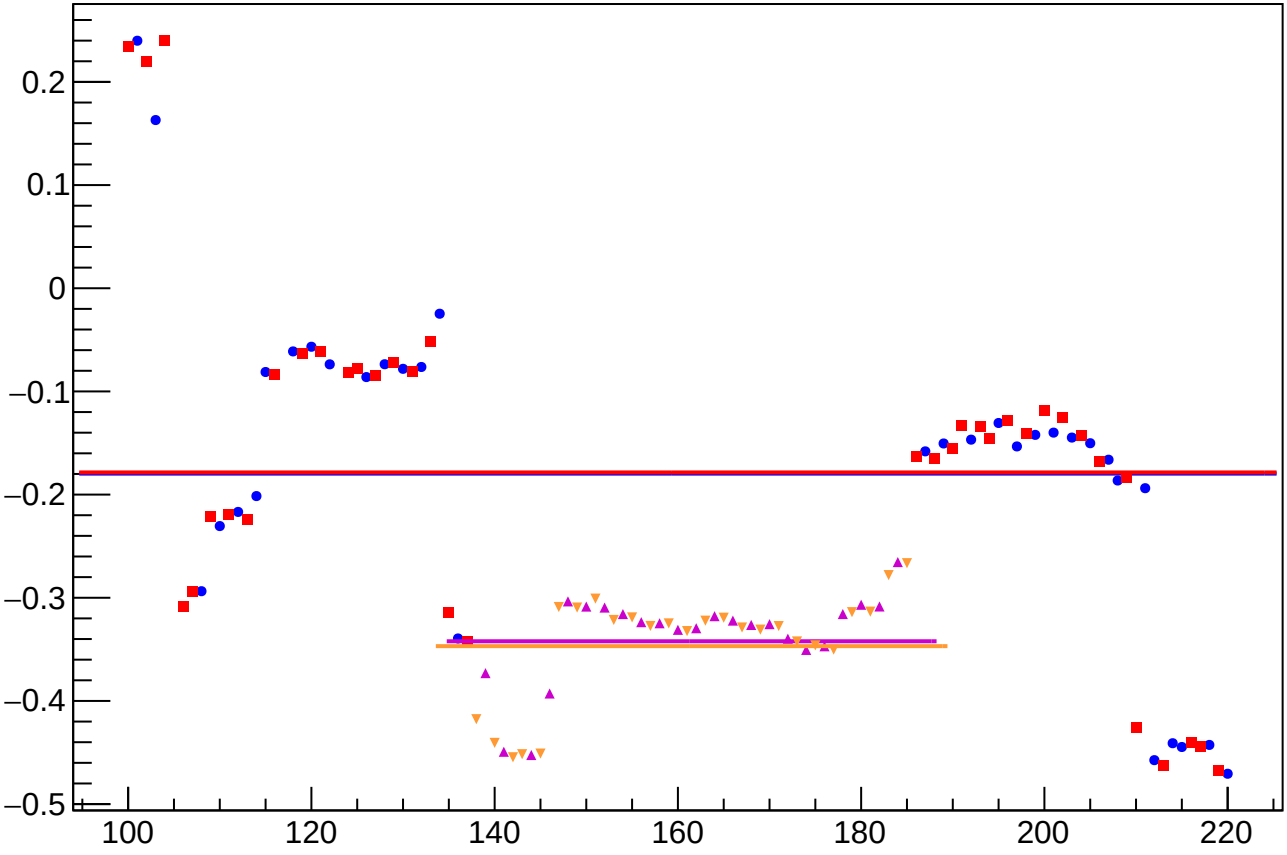
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.013+/-0.000 χ^2/NDF: 3897038.5/57

All: 0.013+/-0.000 χ^2/NDF: 8268167.2/117

- sign 0.013+/-0.000 χ^2/NDF: 4355346.3/59

yield_bpm4eX_mean vs Slug



Right In: -0.180+/-0.000 χ^2/NDF: 421366834.2/32

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.179+/-0.000 χ^2/NDF: 334157622.3/36

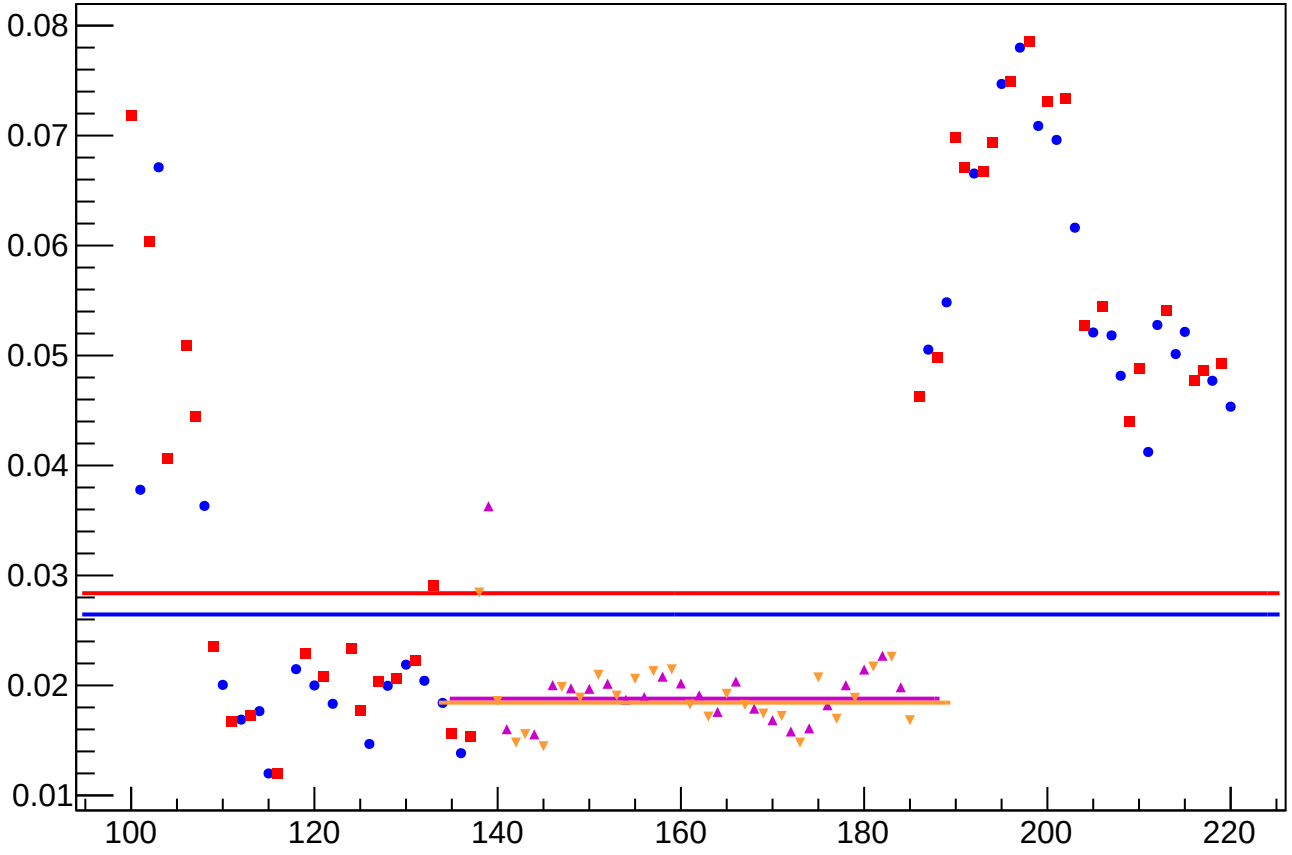
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.297+/-0.000 χ^2/NDF: 937647075.7/57

All: -0.295+/-0.000 χ^2/NDF: 1699666411.8/1

- sign -0.293+/-0.000 χ^2/NDF: 761623588.9/59

yield_bpm4eX_rms vs Slug



Right In: 0.026+/-0.000 χ^2/NDF: 10846480.6/32

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.028+/-0.000 χ^2/NDF: 10608582.8/36

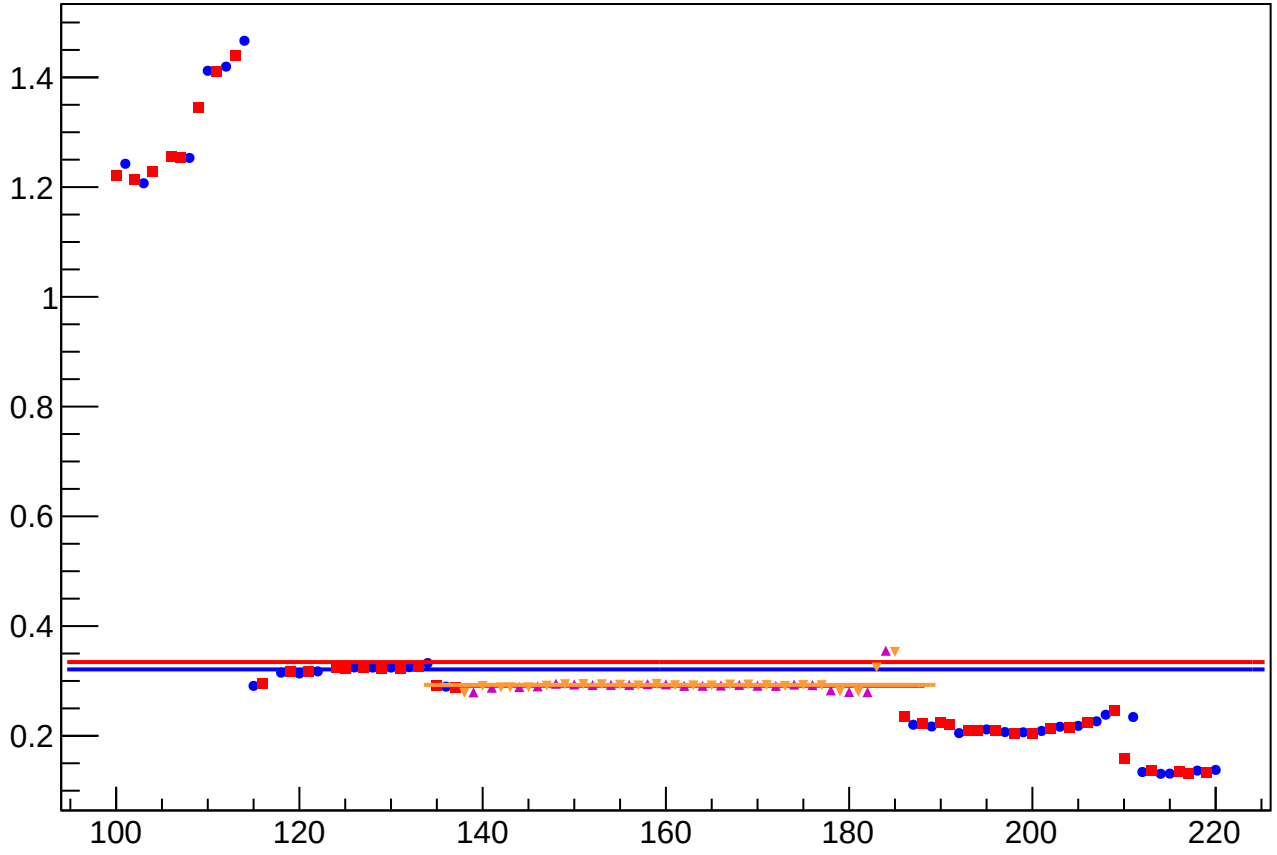
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.021+/-0.000 χ^2/NDF: 13280747.8/57

All: 0.021+/-0.000 χ^2/NDF: 26980191.8/117

- sign 0.022+/-0.000 χ^2/NDF: 13656378.1/59

yield_bpm4eY_mean vs Slug



Right In: 0.321+/-0.000 χ^2/NDF: 9064039463.3/32

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.334+/-0.000 χ^2/NDF: 9939991228.1/36

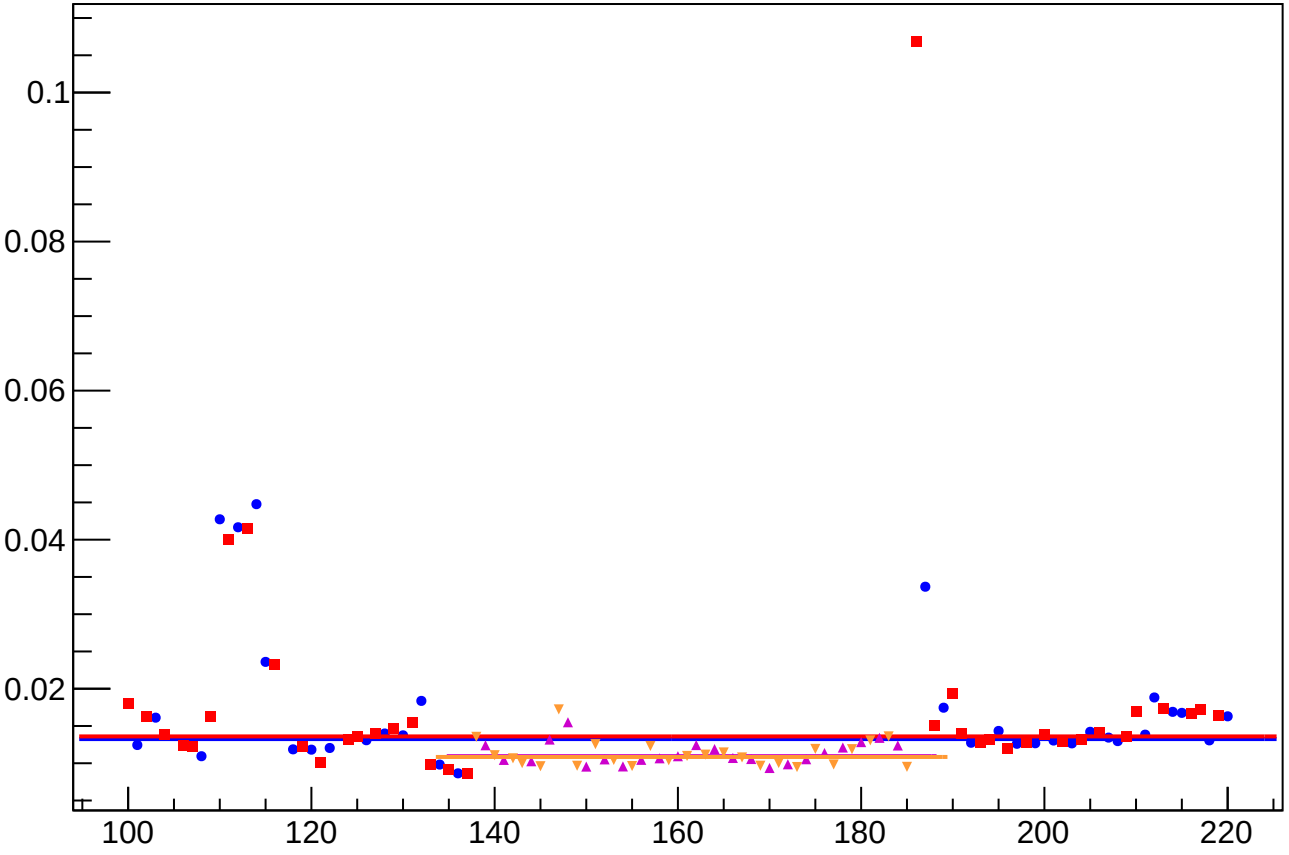
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.304+/-0.000 χ^2/NDF: 9131752267.2/57

All: 0.307+/-0.000 χ^2/NDF: 19197770773.9/1

- sign 0.309+/-0.000 χ^2/NDF: 10063018915.0/59

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2205264.7/32

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2553953.6/36

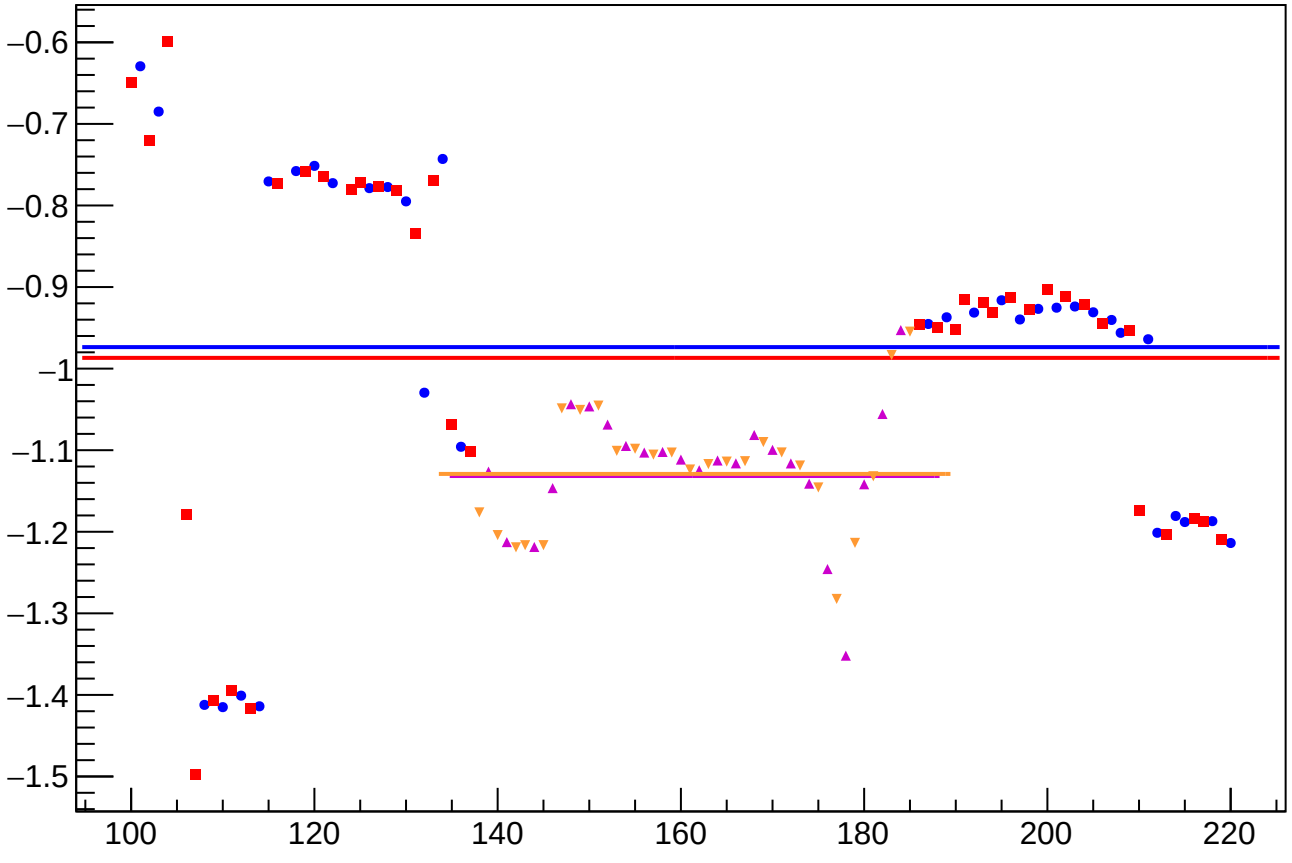
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.012+/-0.000 χ^2/NDF: 3591236.6/57

All: 0.012+/-0.000 χ^2/NDF: 7513862.3/117

- sign 0.012+/-0.000 χ^2/NDF: 3908671.5/59

yield_bpm4acX_mean vs Slug



Right In: -0.974+/-0.000 χ^2/NDF: 786778927.8/32

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.987+/-0.000 χ^2/NDF: 788909281.1/36

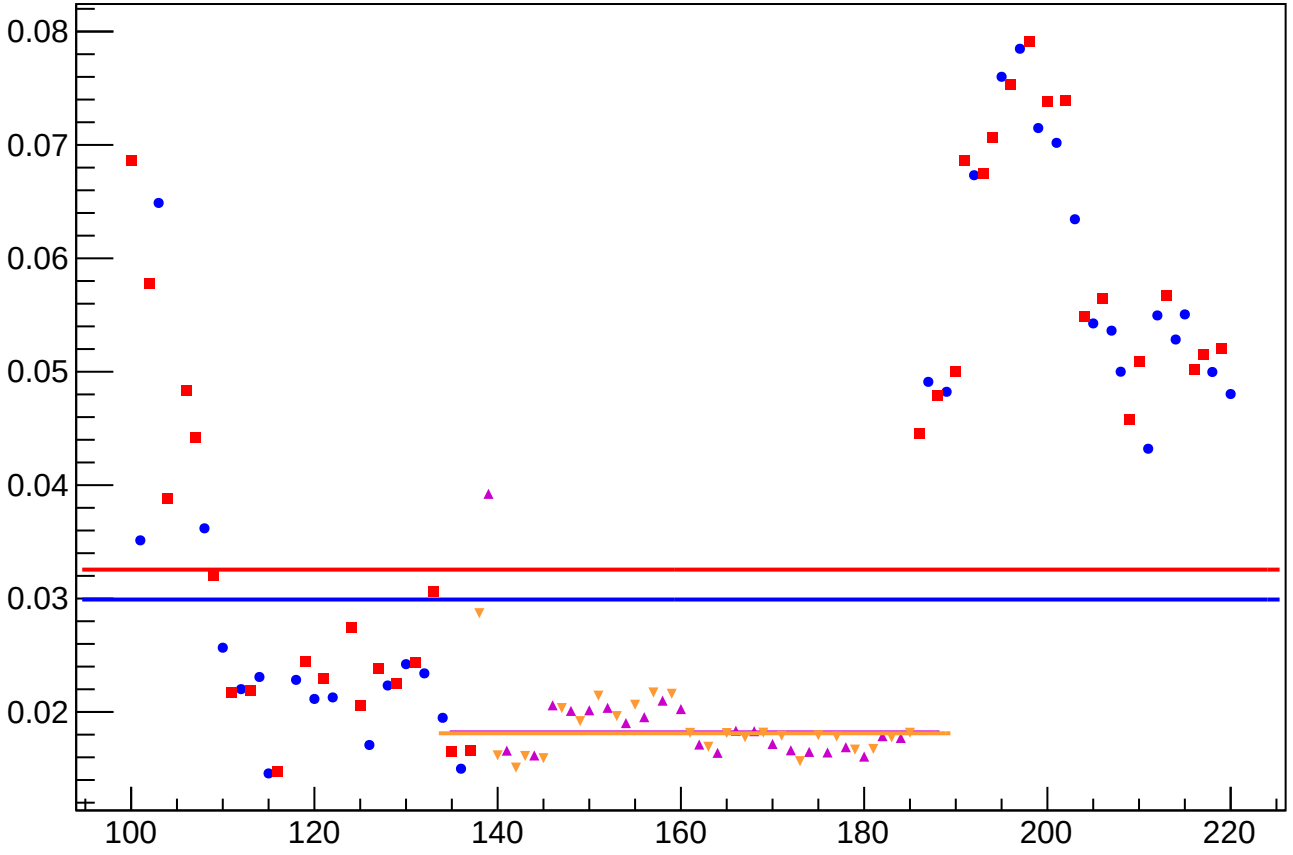
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.089+/-0.000 χ^2/NDF: 1319468289.7/57

All: -1.092+/-0.000 χ^2/NDF: 2600464707.0/1

- sign -1.096+/-0.000 χ^2/NDF: 1279712345.8/59

yield_bpm4acX_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF: 9369173.8/32

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.033+/-0.000 χ^2/NDF: 8666315.4/36

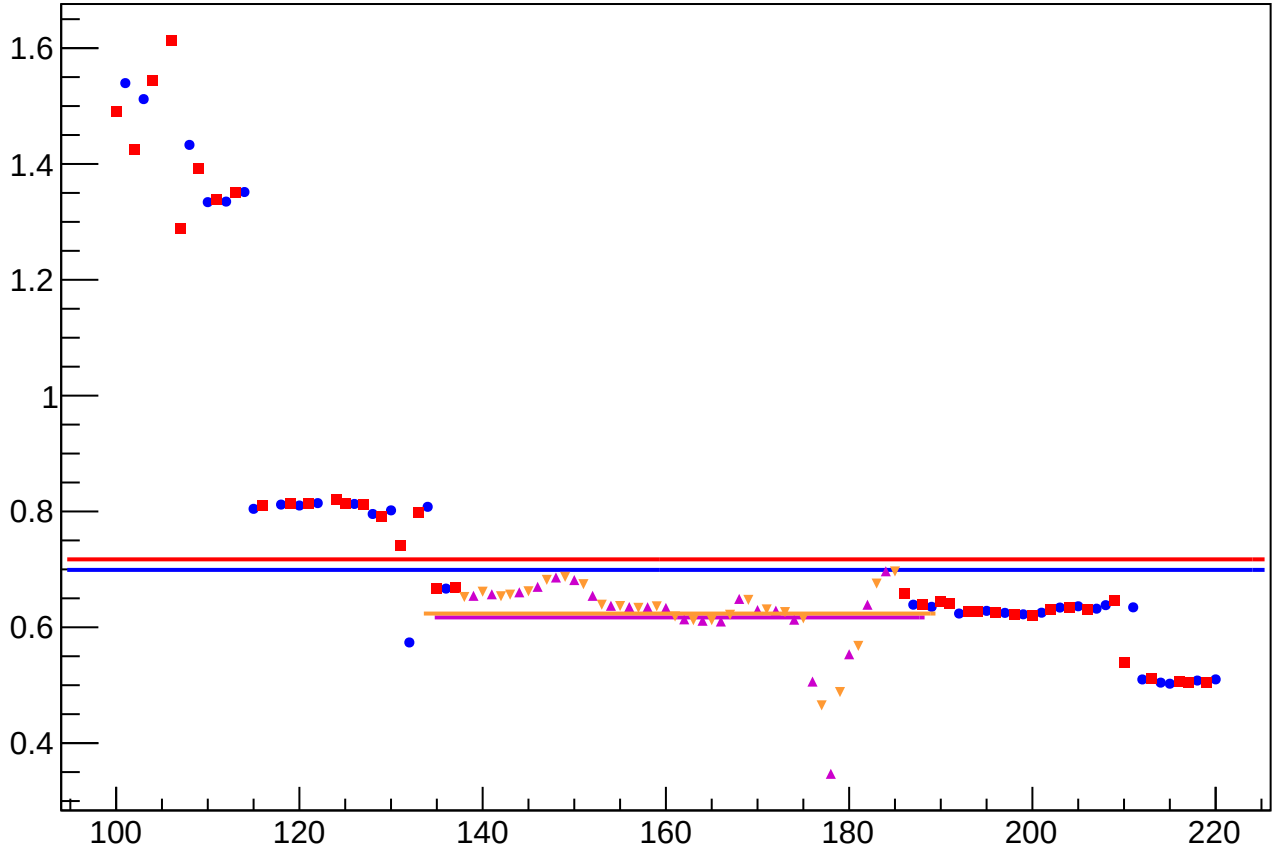
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.021+/-0.000 χ^2/NDF: 13233040.9/57

All: 0.021+/-0.000 χ^2/NDF: 27177017.8/117

- sign 0.022+/-0.000 χ^2/NDF: 13920518.9/59

yield_bpm4acY_mean vs Slug



Right In: 0.699+/-0.000 χ^2/NDF: 4553524746.1/32

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.717+/-0.000 χ^2/NDF: 4875816375.8/36

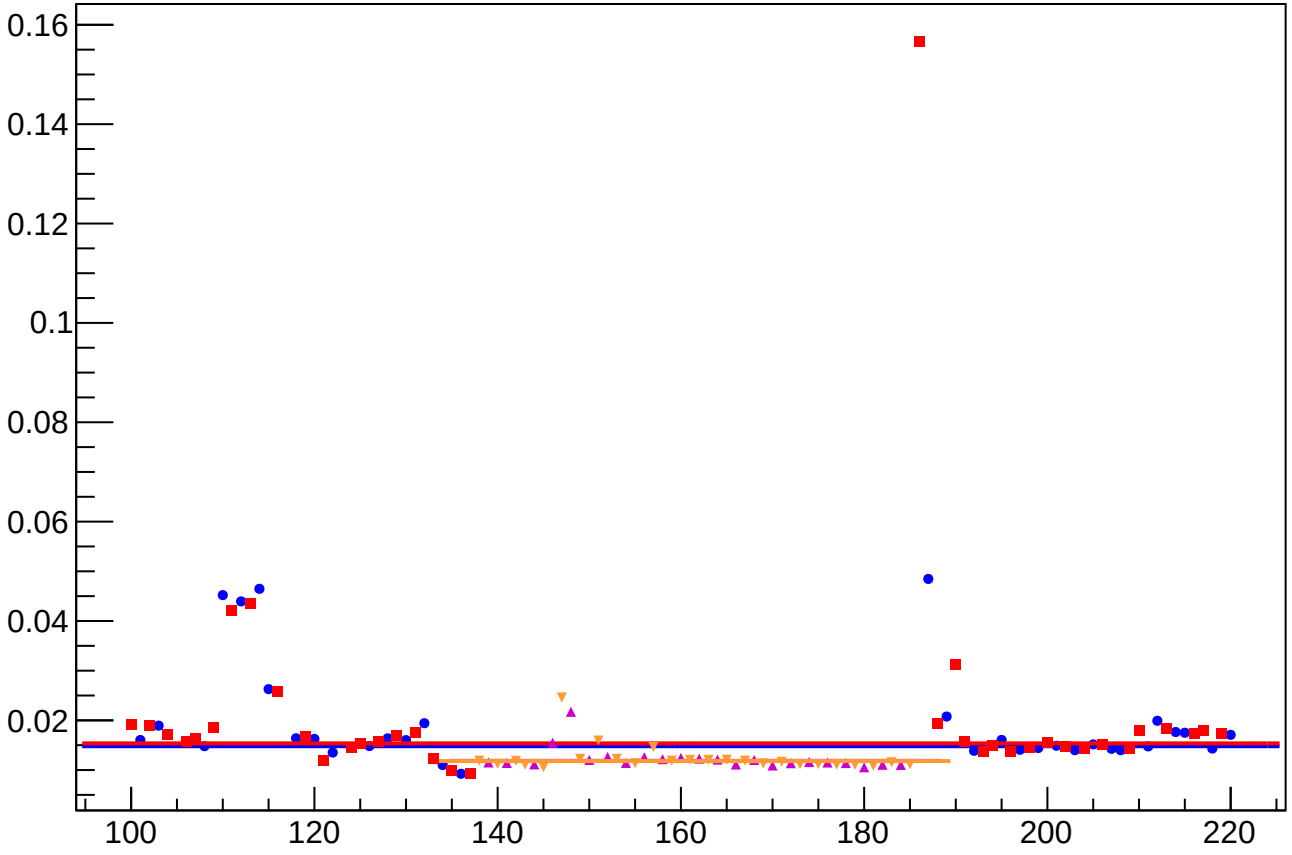
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.653+/-0.000 χ^2/NDF: 5250883116.4/57

All: 0.655+/-0.000 χ^2/NDF: 11268839342.8/1

- sign 0.656+/-0.000 χ^2/NDF: 6016943026.7/59

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 2207864.4/32

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2575789.7/36

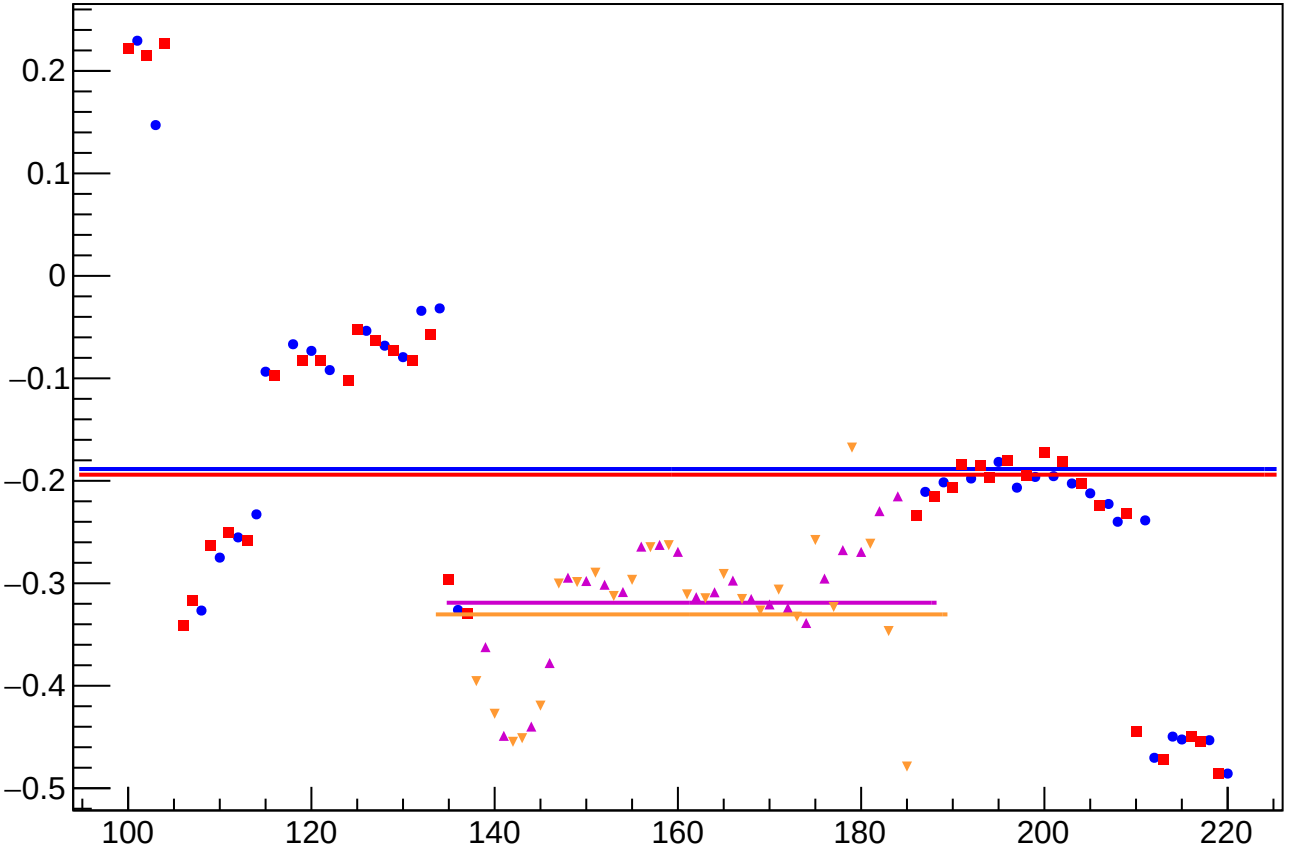
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.013+/-0.000 χ^2/NDF: 3813363.3/57

All: 0.013+/-0.000 χ^2/NDF: 8133639.4/117

- sign 0.013+/-0.000 χ^2/NDF: 4307144.3/59

yield_bpm4ecX_mean vs Slug



Right In: -0.188+/-0.000 χ^2/NDF: 425805350.3/32

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.194+/-0.000 χ^2/NDF: 330073201.4/36

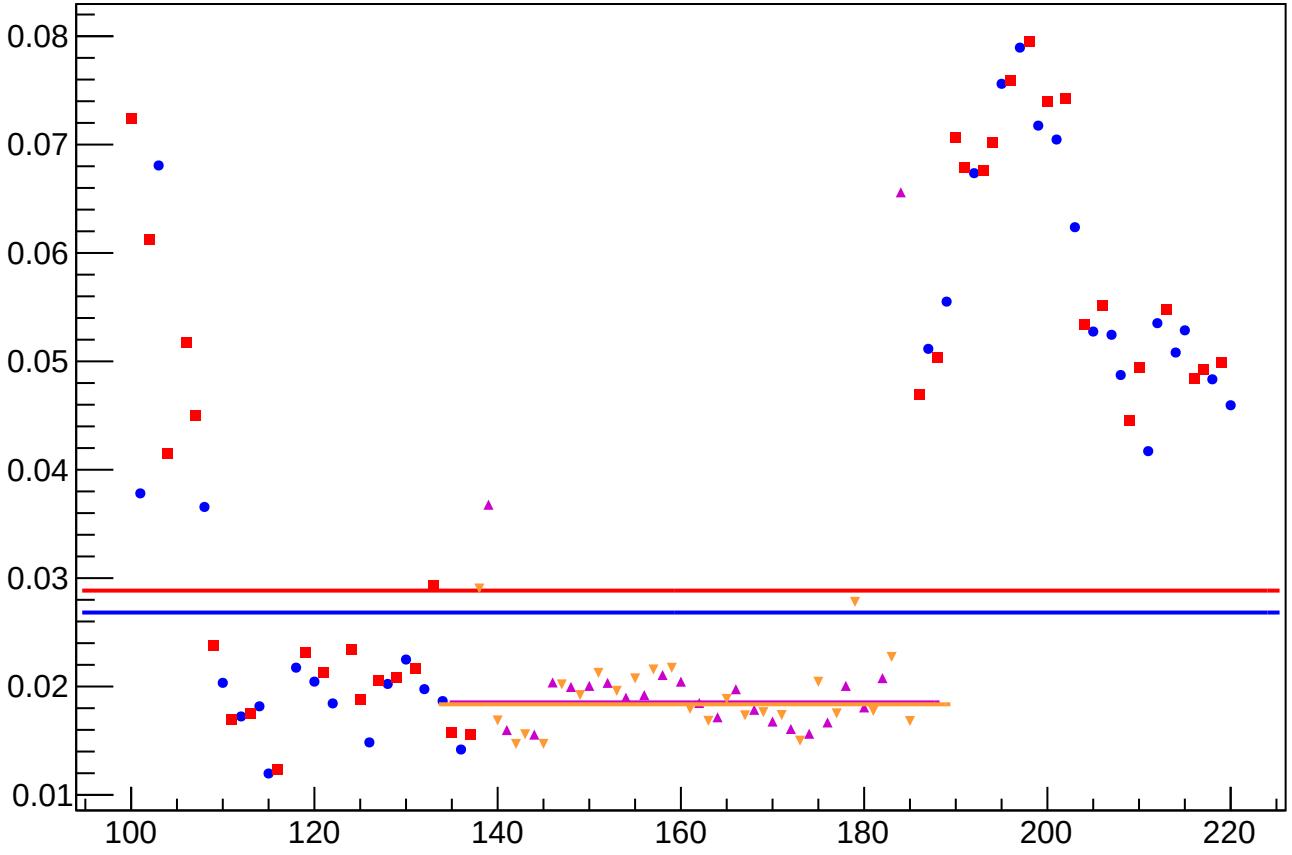
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.288+/-0.000 χ^2/NDF: 882391351.5/57

All: -0.285+/-0.000 χ^2/NDF: 1537441062.8/1

- sign -0.282+/-0.000 χ^2/NDF: 654065001.1/59

yield_bpm4ecX_rms vs Slug



Right In: 0.027+/-0.000 χ^2/NDF: 10803938.9/32

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.029+/-0.000 χ^2/NDF: 10541708.7/36

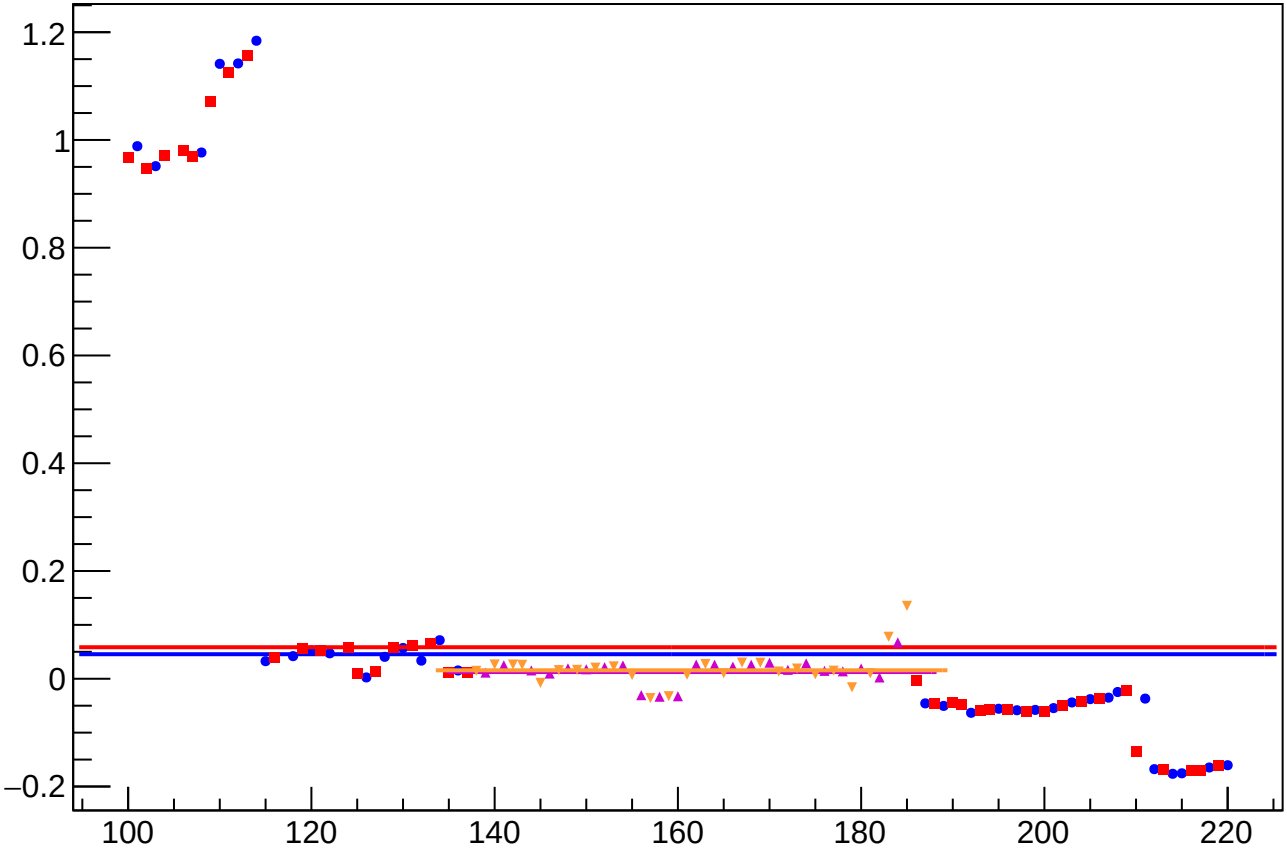
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.021+/-0.000 χ^2/NDF: 13491975.5/57

All: 0.021+/-0.000 χ^2/NDF: 27630045.7/117

- sign 0.022+/-0.000 χ^2/NDF: 14110168.3/59

yield_bpm4ecY_mean vs Slug



Right In: 0.046+/-0.000 χ^2/NDF: 9349350057.0/32

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.058+/-0.000 χ^2/NDF: 9999885410.4/36

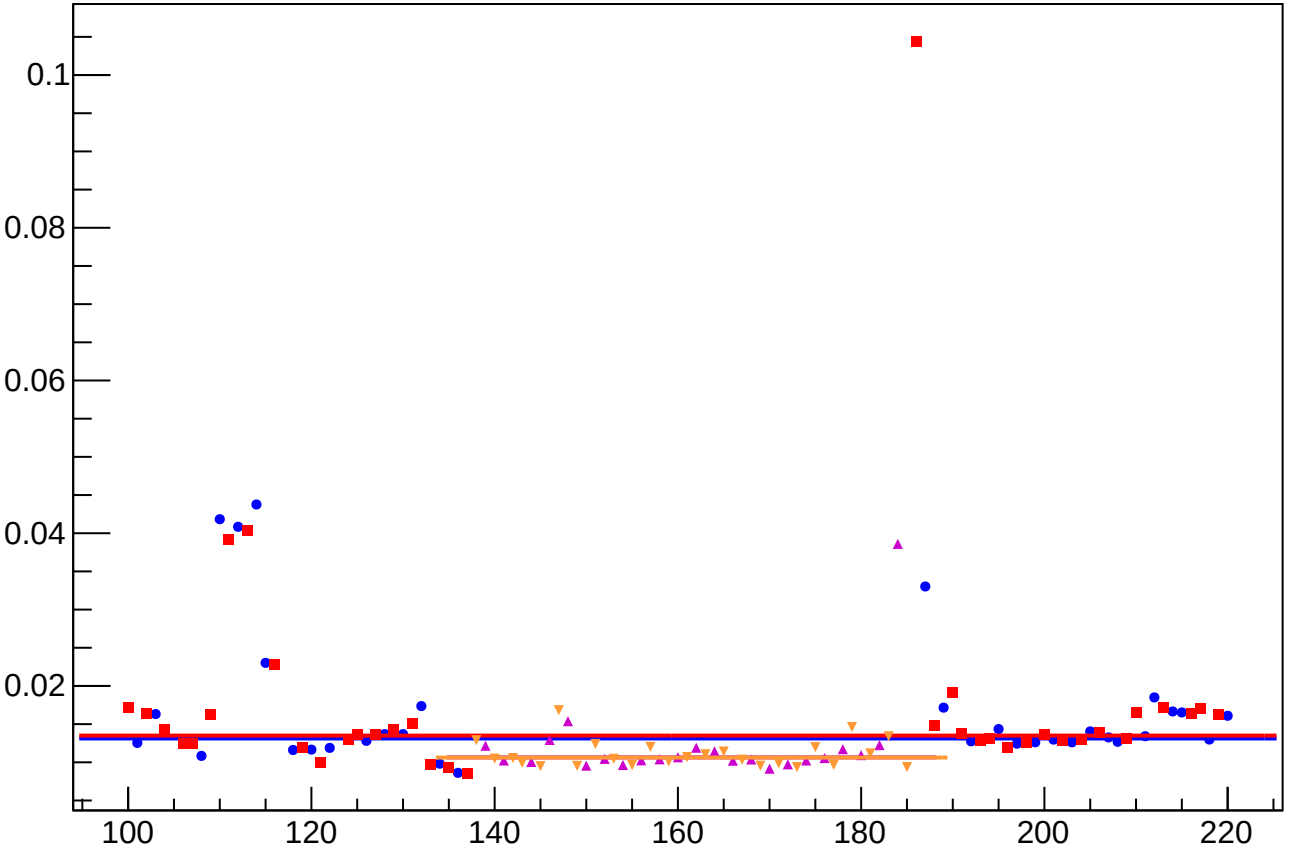
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.028+/-0.000 χ^2/NDF: 9511378972.5/57

All: 0.030+/-0.000 χ^2/NDF: 19702239519.5/1

- sign 0.031+/-0.000 χ^2/NDF: 10189280284.5/59

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2149469.3/32

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2473058.8/36

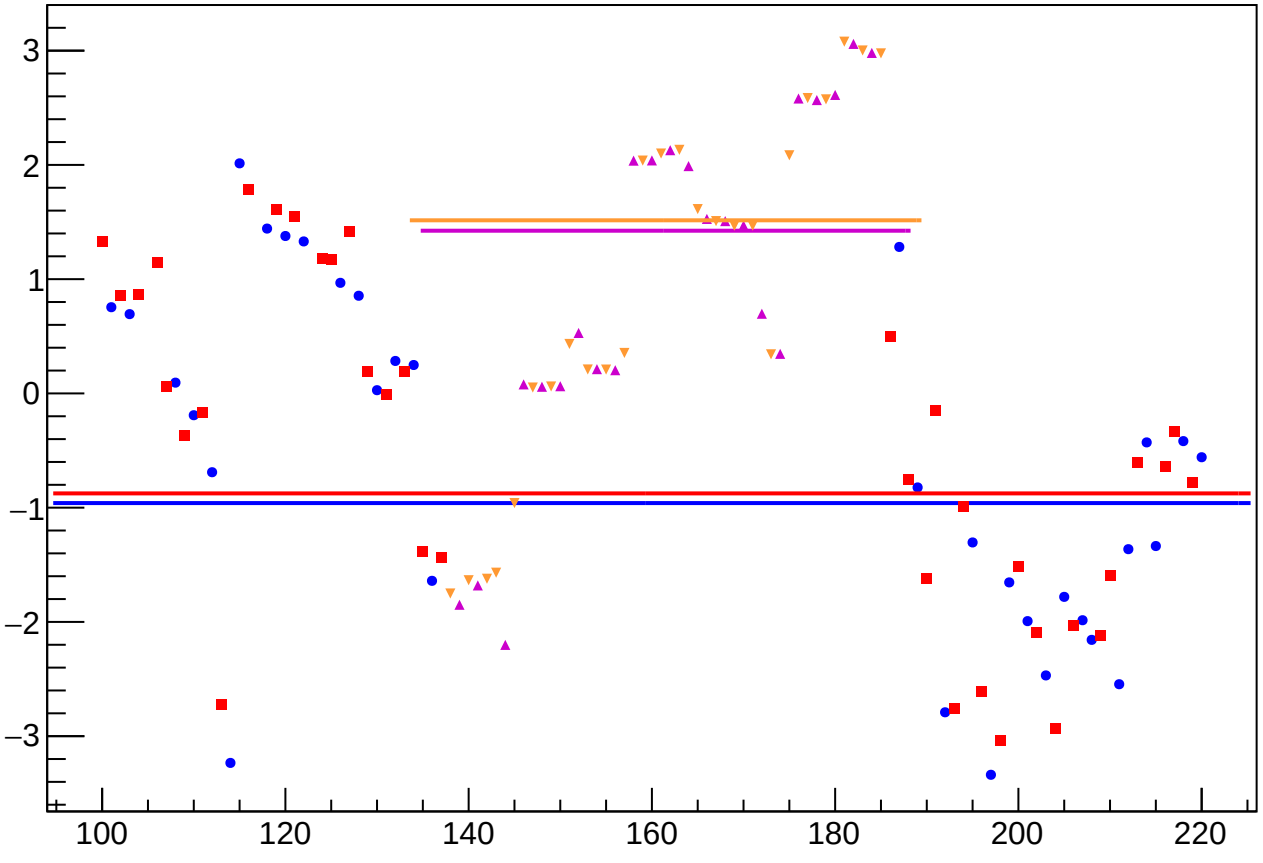
Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.012+/-0.000 χ^2/NDF: 3579894.3/57

All: 0.012+/-0.000 χ^2/NDF: 7639451.7/117

- sign 0.012+/-0.000 χ^2/NDF: 4051862.9/59

yield_bpm1X_mean vs Slug



Right In: -0.960+/-0.000 χ^2/NDF: 9870736101.8/32

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.875+/-0.000 χ^2/NDF: 9783284955.3/36

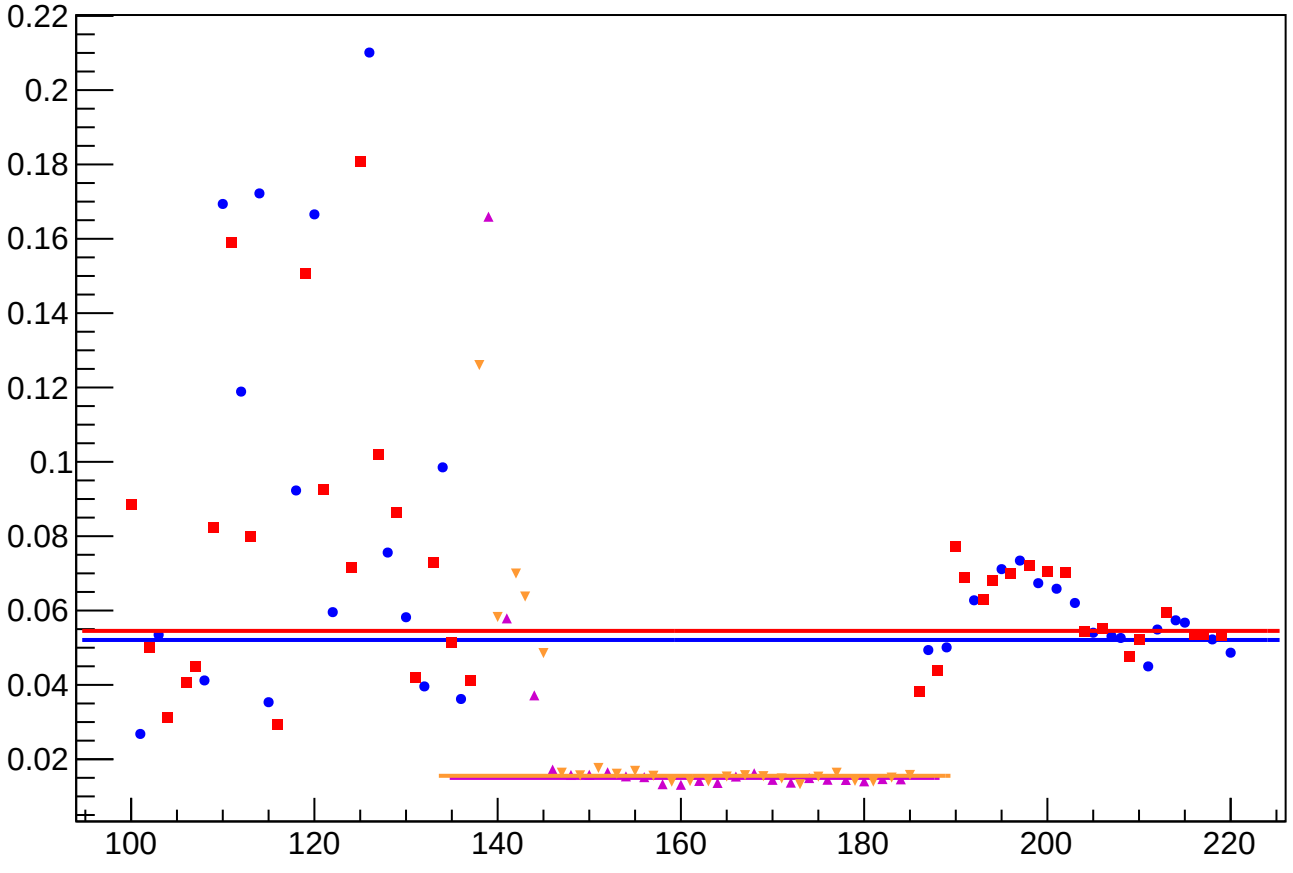
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.290+/-0.000 χ^2/NDF: 111485564906.1/57

All: 1.258+/-0.000 χ^2/NDF: 217534983047.2

- sign 1.227+/-0.000 χ^2/NDF: 105918742260.0/59

yield_bpm1X_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 3631094.3/32

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

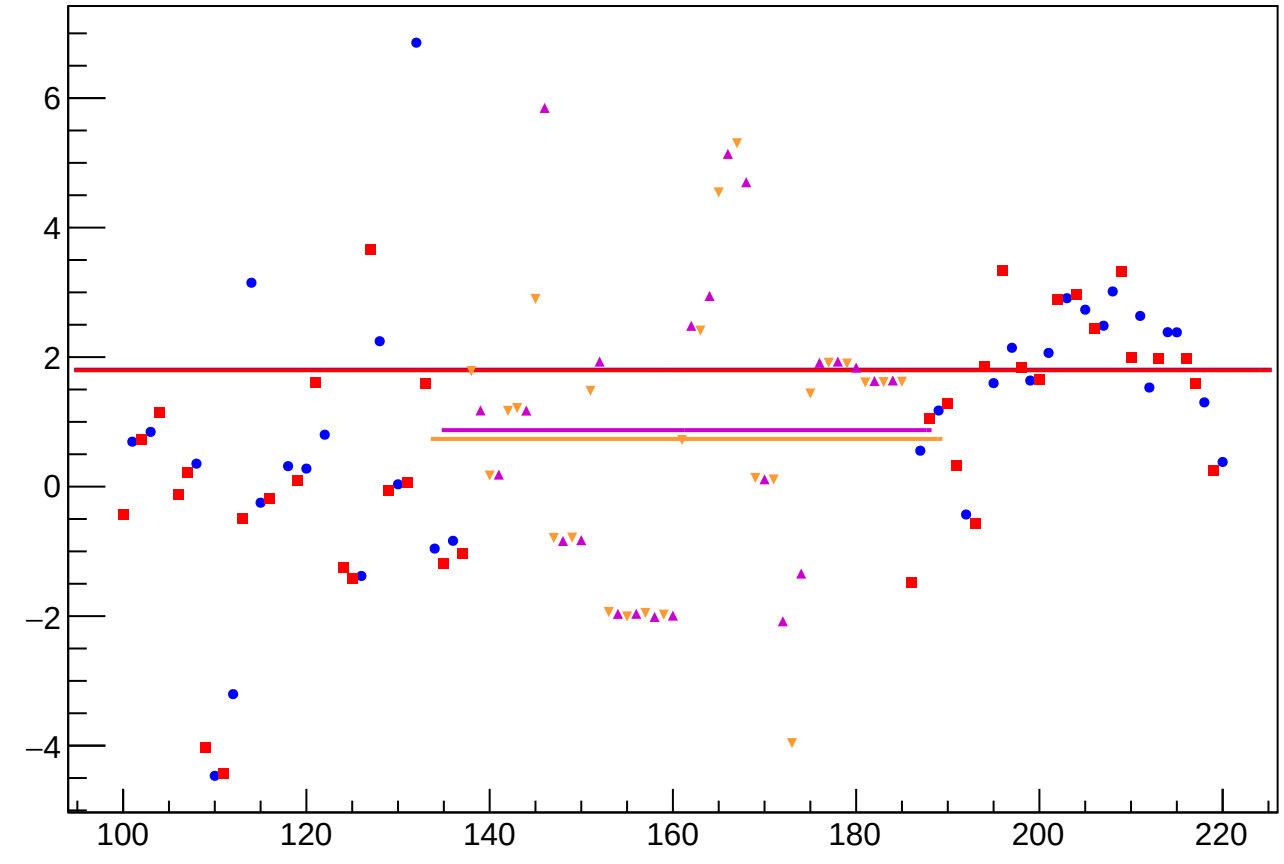
Right Out: 0.055+/-0.000 χ^2/NDF: 3198296.6/36

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.019+/-0.000 χ^2/NDF: 21359050.4/57

All: 0.019+/-0.000 χ^2/NDF: 43381933.2/117

- sign 0.018+/-0.000 χ^2/NDF: 22005044.4/59



Right In: 1.806+/-0.000 χ^2/NDF: 48548659063.8/32

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.797+/-0.000 χ^2/NDF: 50583778500.3/36

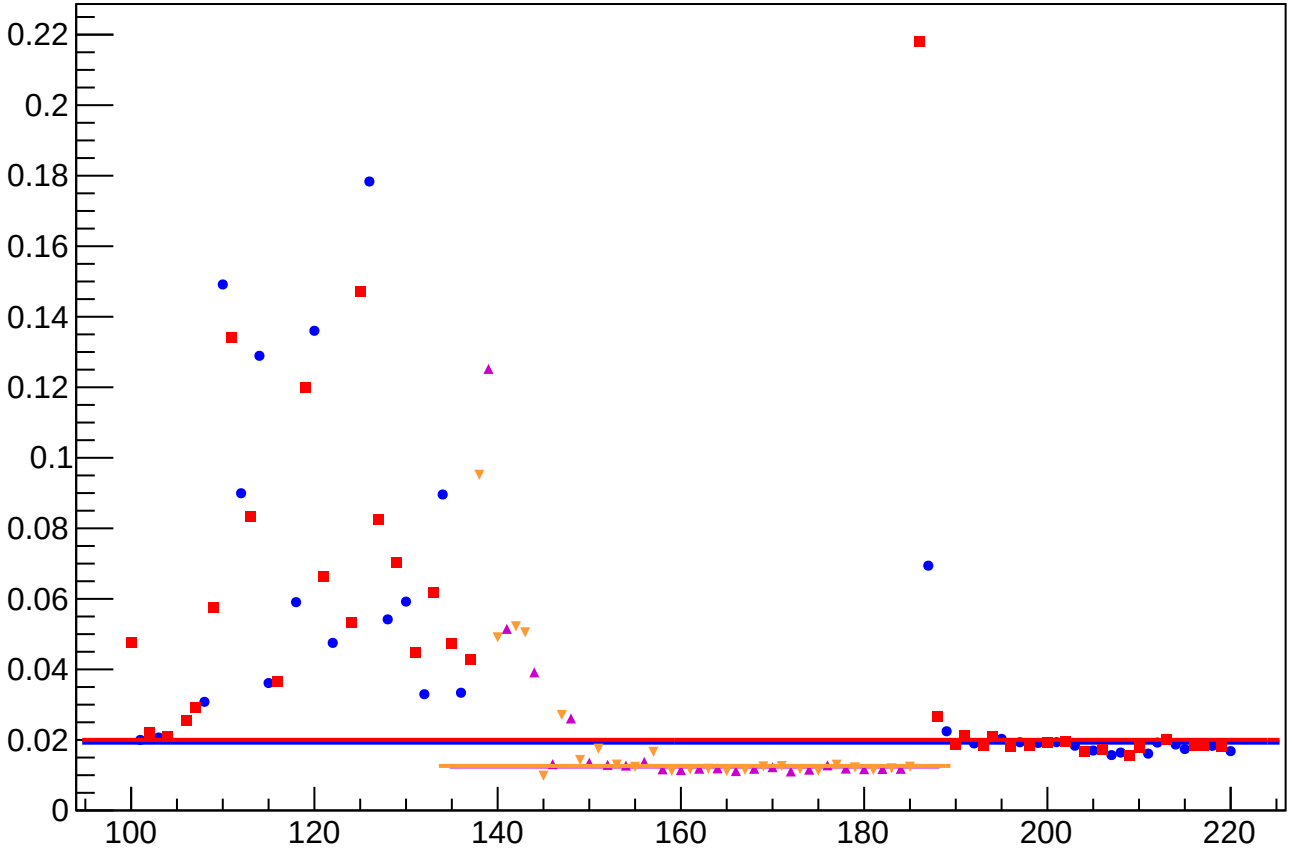
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 1.047+/-0.000 χ^2/NDF: 617478637300.3/57

All: 1.088+/-0.000 χ^2/NDF: 1312311695491.

- sign 1.130+/-0.000 χ^2/NDF: 694357122421.8/59

yield_bpm1Y_rms vs Slug



Right In: 0.019+/-0.000 χ^2/NDF: 4541082.7/32

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.020+/-0.000 χ^2/NDF: 5573107.1/36

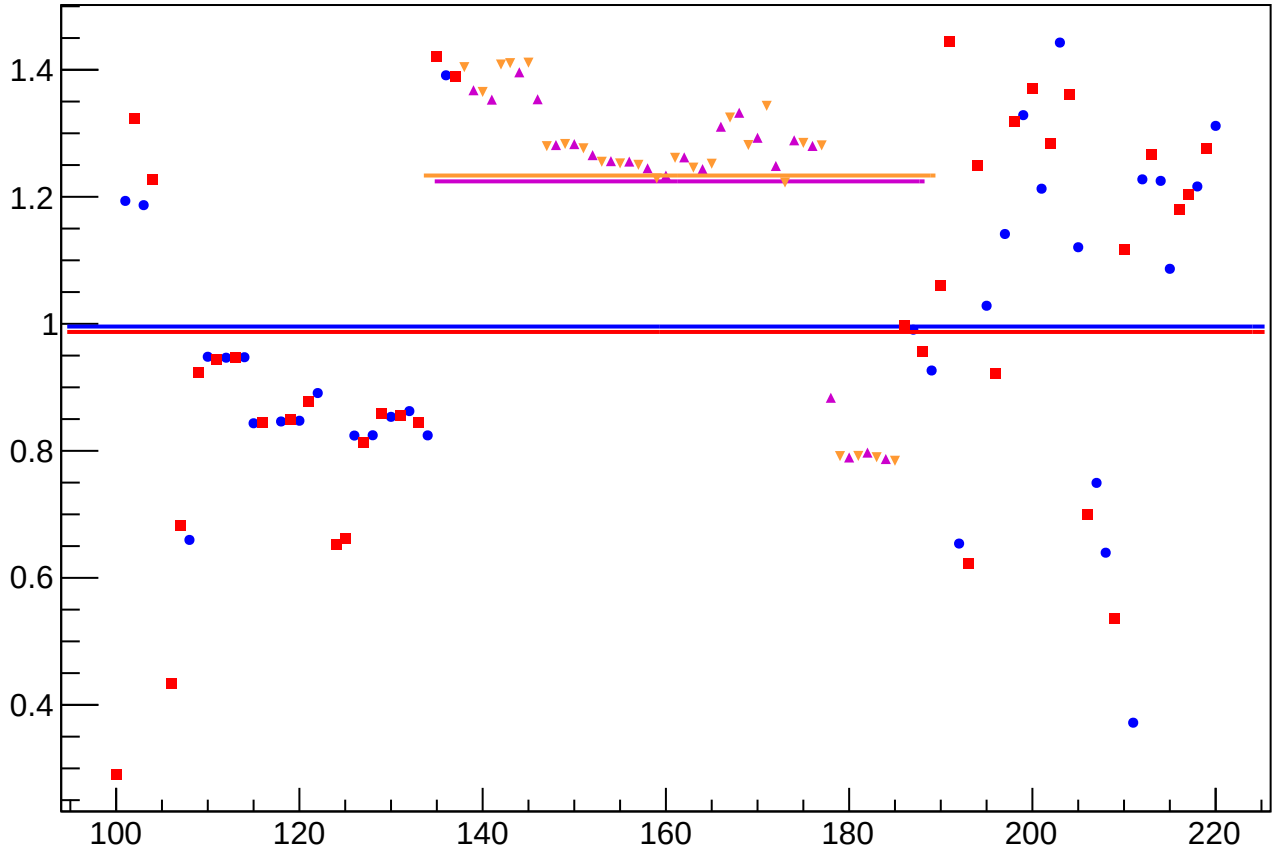
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.015+/-0.000 χ^2/NDF: 10243914.2/57

All: 0.015+/-0.000 χ^2/NDF: 21737538.8/117

- sign 0.015+/-0.000 χ^2/NDF: 11493533.4/59

yield_bpm11X_mean vs Slug



Right In: 0.996+/-0.000 χ^2/NDF: 2507813450.8/32

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

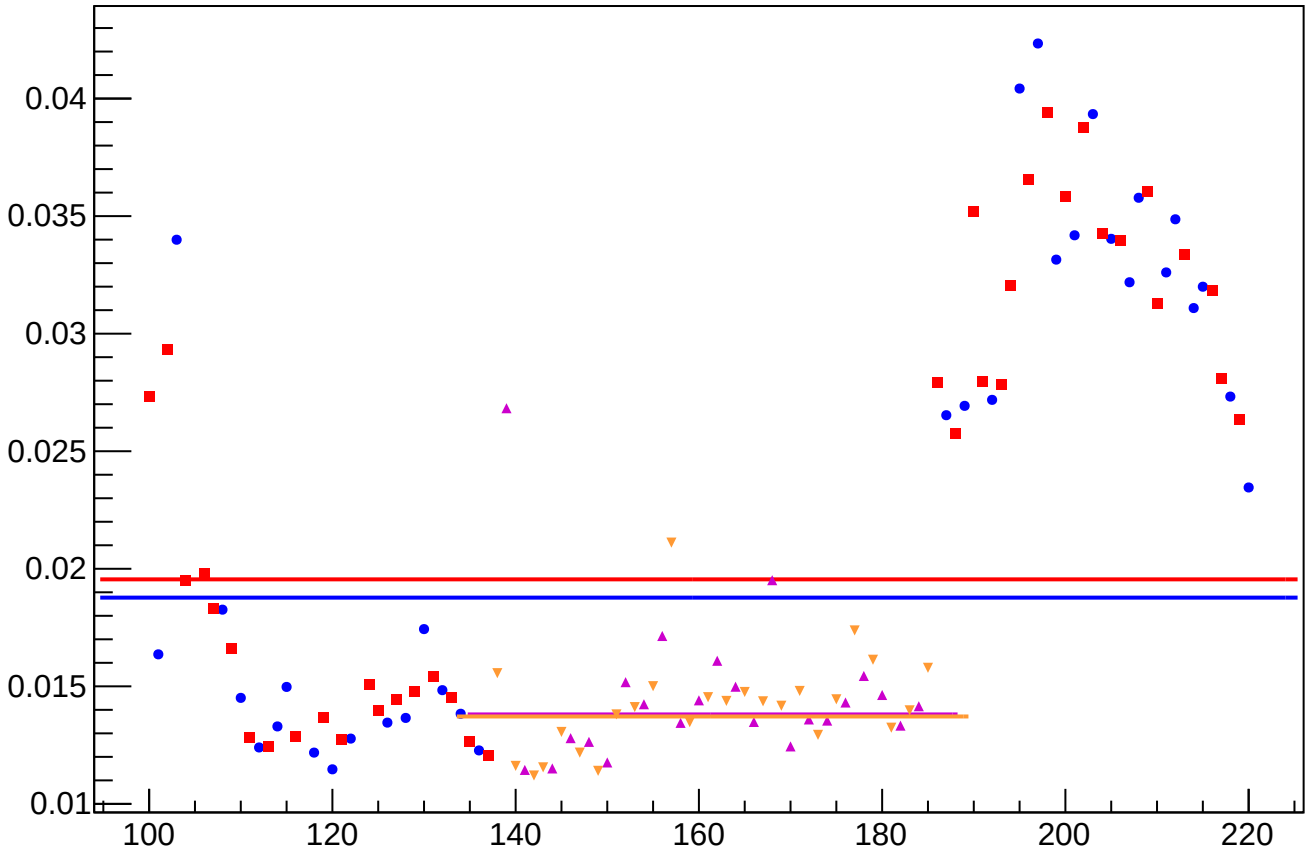
Right Out: 0.987+/-0.000 χ^2/NDF: 2701874246.4/36

Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.154+/-0.000 χ^2/NDF: 7252150859.9/57

All: 1.149+/-0.000 χ^2/NDF: 14235364806.6/1

- sign 1.144+/-0.000 χ^2/NDF: 6976457244.9/59



Right In: 0.019+/-0.000 χ^2/NDF: 6751503.1/32

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

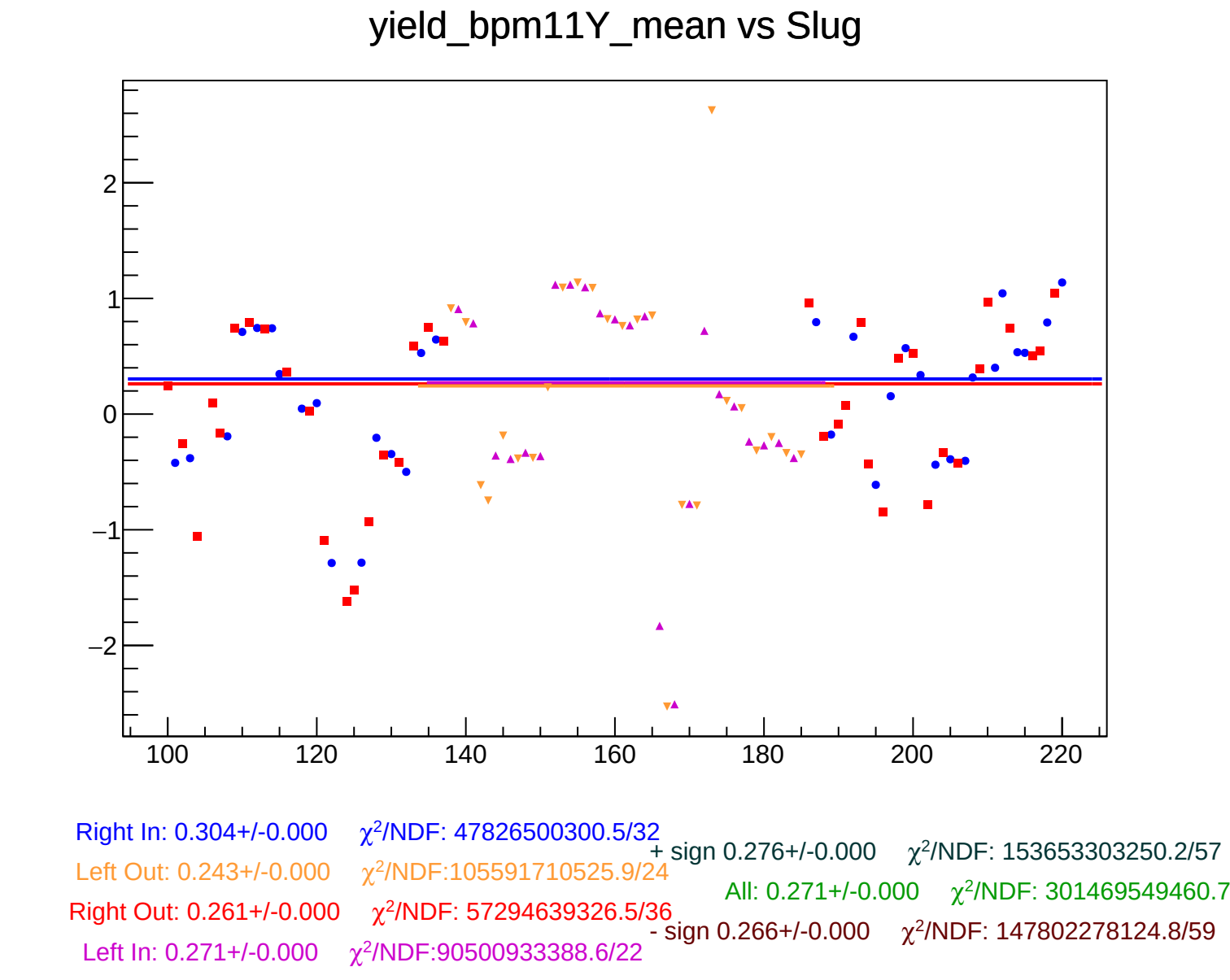
Right Out: 0.020+/-0.000 χ^2/NDF: 6214082.7/36

Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

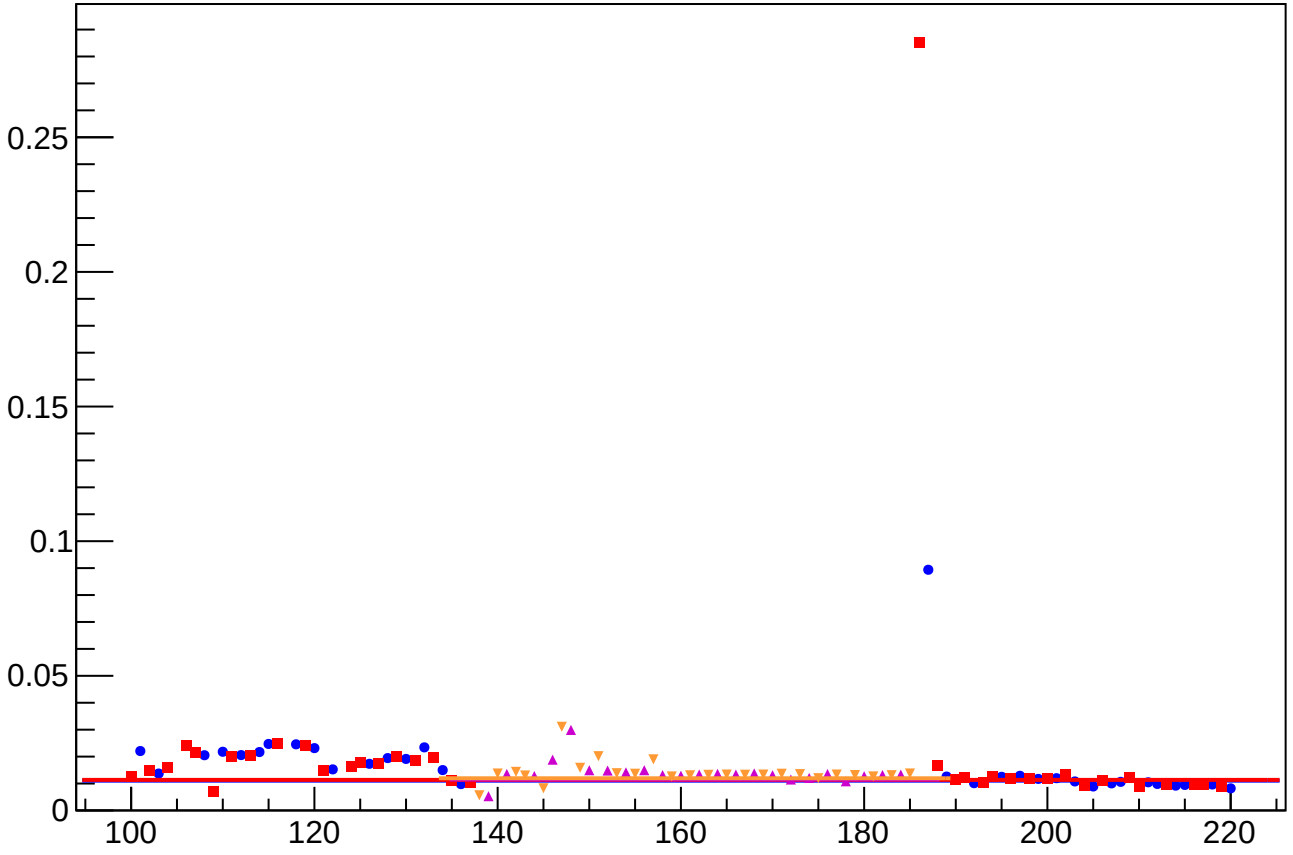
+ sign 0.015+/-0.000 χ^2/NDF: 8839286.1/57

All: 0.016+/-0.000 χ^2/NDF: 17842463.8/117

- sign 0.016+/-0.000 χ^2/NDF: 8987543.3/59


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
200
220
Right In: 0.304+/-0.000 χ²/NDF: 47826500300.5/32
Left Out: 0.243+/-0.000 χ²/NDF:105591710525.9/24
Right Out: 0.261+/-0.000 χ²/NDF: 57294639326.5/36
Left In: 0.271+/-0.000 χ²/NDF:90500933388.6/22
+ sign 0.276+/-0.000 χ²/NDF: 153653303250.2/57
All: 0.271+/-0.000 χ²/NDF: 301469549460.7
- sign 0.266+/-0.000 χ²/NDF: 147802278124.8/59

yield_bpm11Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 3117157.1/32

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

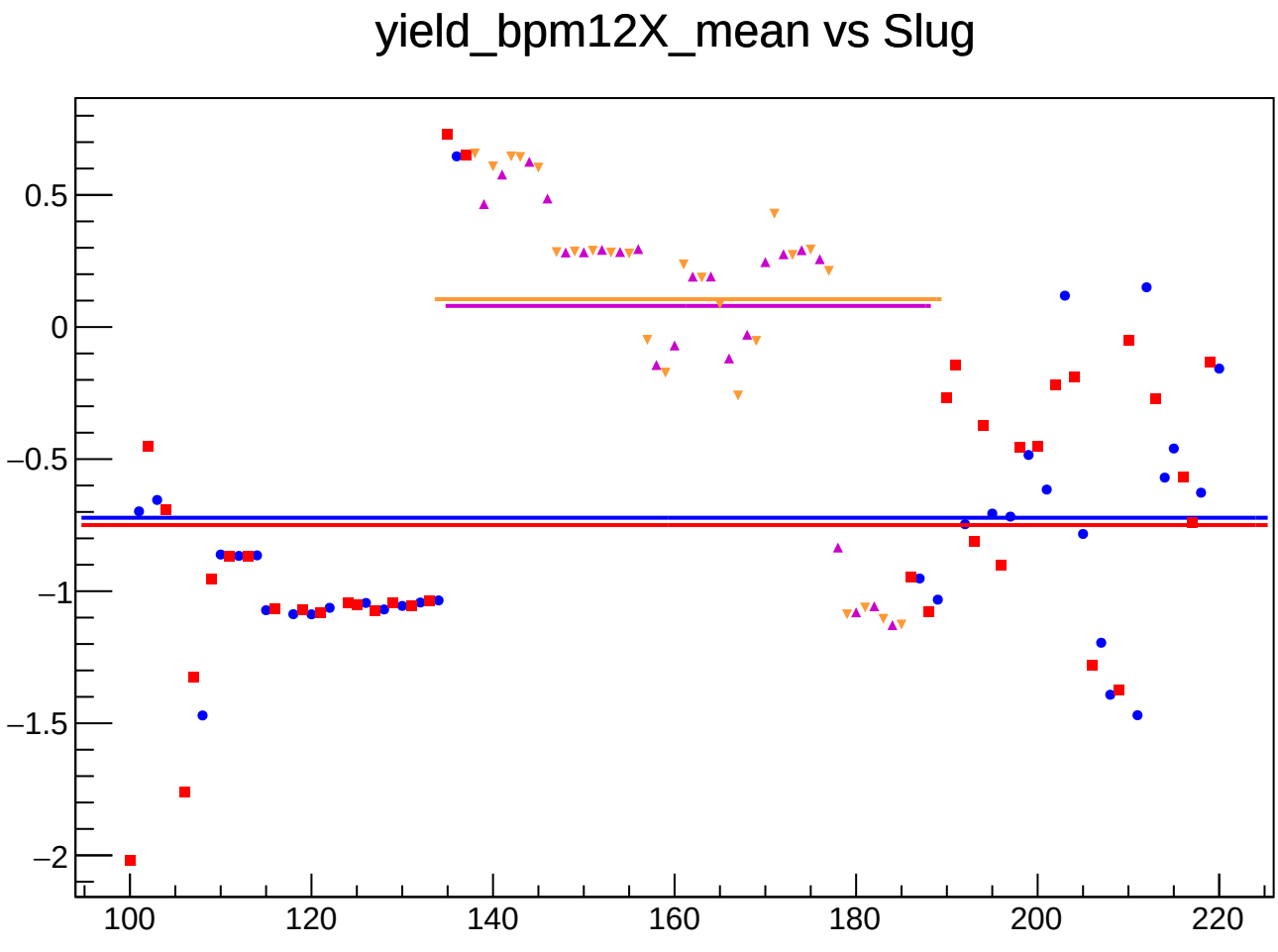
Right Out: 0.011+/-0.000 χ^2/NDF: 3507458.9/36

Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.011+/-0.000 χ^2/NDF: 6481192.1/57

All: 0.011+/-0.000 χ^2/NDF: 13663088.0/117

- sign 0.011+/-0.000 χ^2/NDF: 7181006.9/59



Right In: -0.722+/-0.000 χ^2/NDF: 2480500235.9/32

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.750+/-0.000 χ^2/NDF: 2311037624.5/36

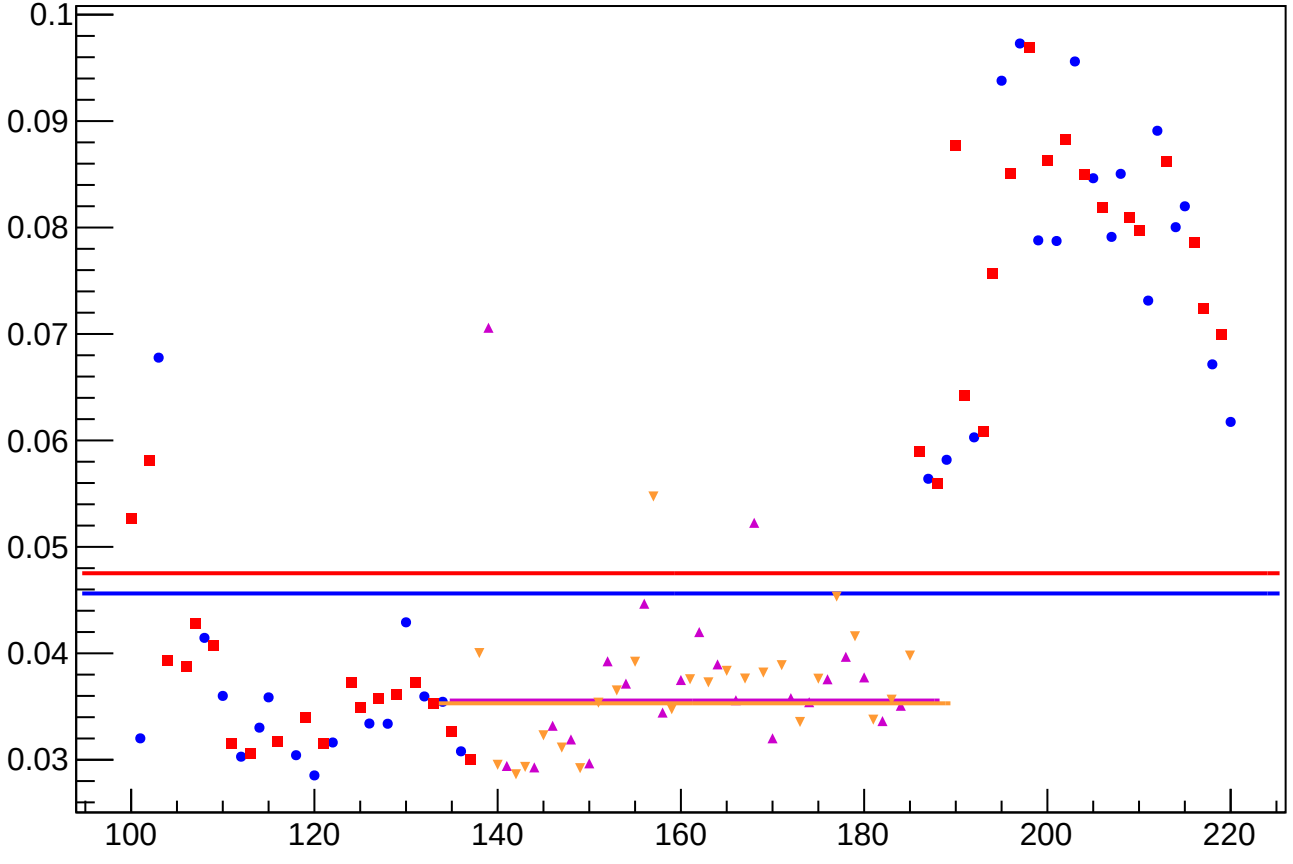
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.198+/-0.000 χ^2/NDF: 9653665945.7/57

All: -0.212+/-0.000 χ^2/NDF: 18489714826.5/

- sign -0.228+/-0.000 χ^2/NDF: 8826953048.9/59

yield_bpm12X_rms vs Slug



Right In: 0.046+/-0.000 χ^2/NDF: 6574343.2/32

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

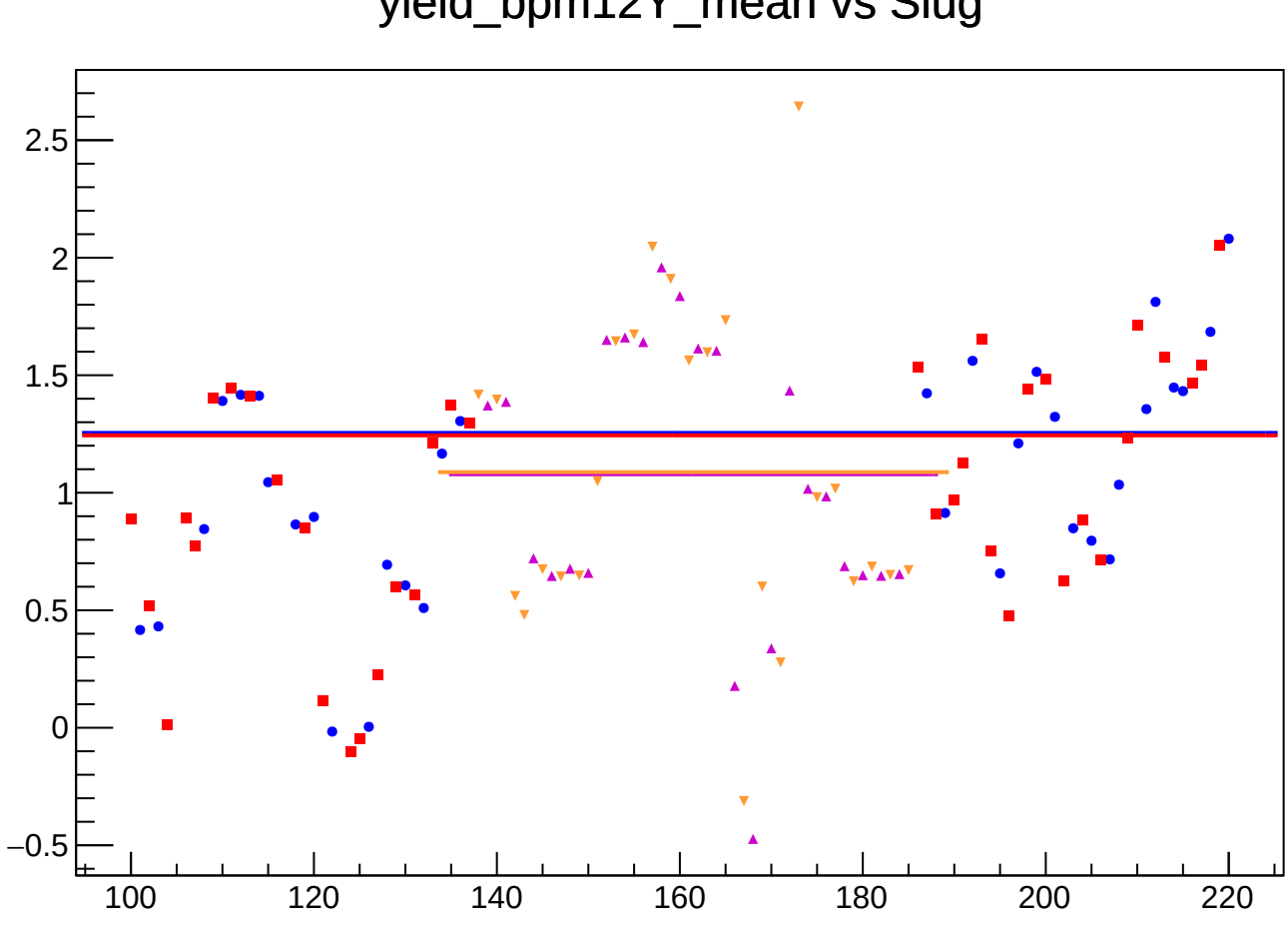
Right Out: 0.048+/-0.000 χ^2/NDF: 5872152.5/36

Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.039+/-0.000 χ^2/NDF: 8240552.8/57

All: 0.040+/-0.000 χ^2/NDF: 16439290.7/117

- sign 0.040+/-0.000 χ^2/NDF: 8181577.3/59



Right In: 1.254+/-0.000 χ^2/NDF: 83104017801.4/32

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 1.244+/-0.000 χ^2/NDF: 85412976114.7/36

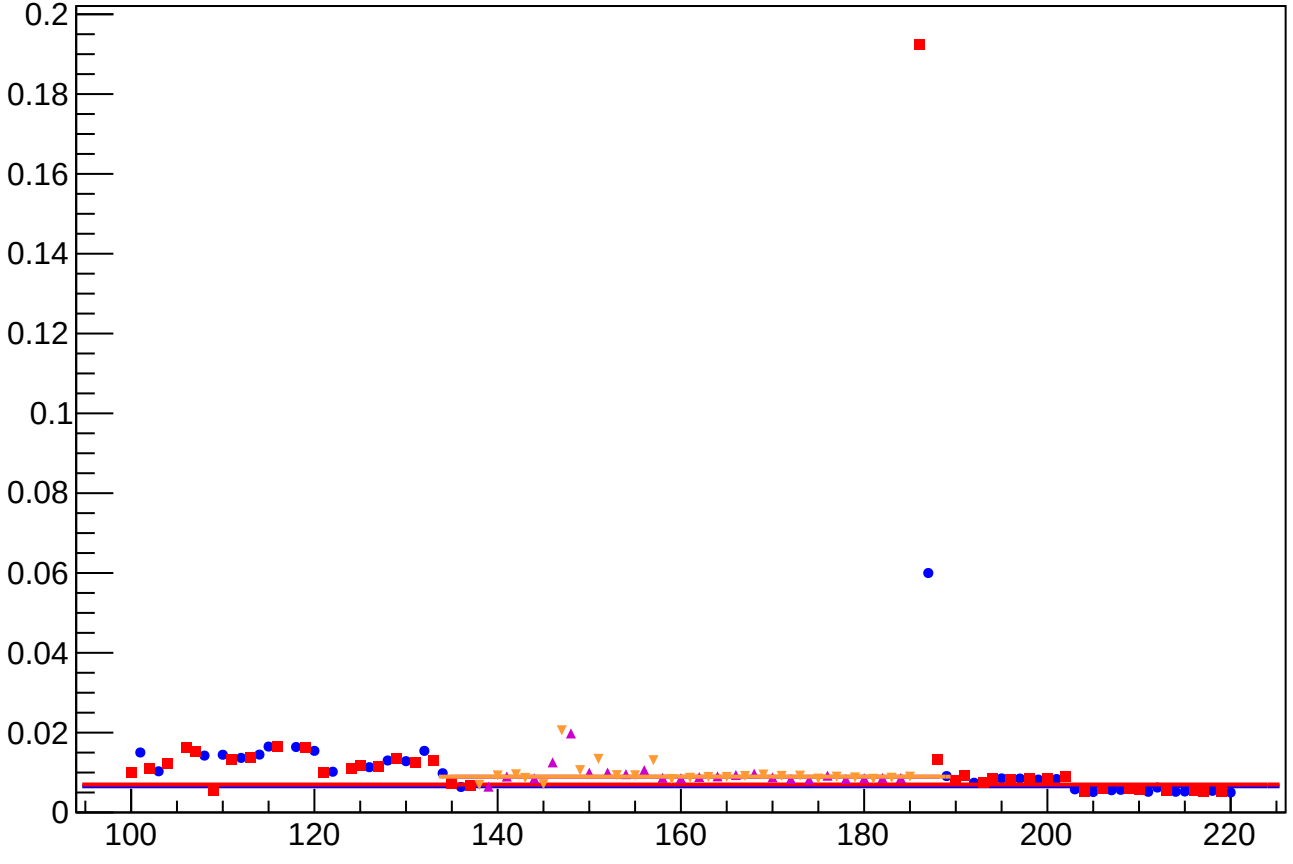
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.195+/-0.000 χ^2/NDF: 180966876314.8/57

All: 1.189+/-0.000 χ^2/NDF: 344143590694.0

- sign 1.182+/-0.000 χ^2/NDF: 163130553593.9/59

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4448916.4/32

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

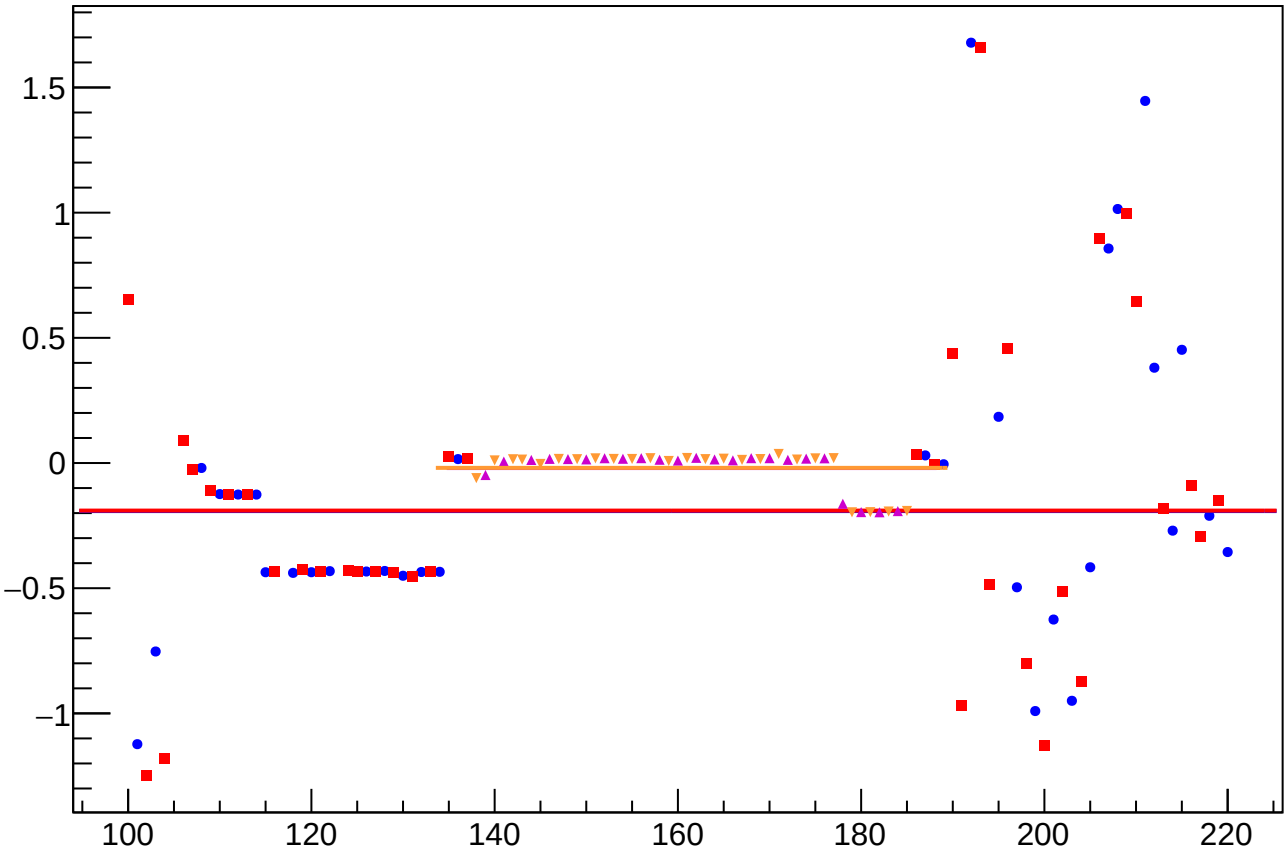
Right Out: 0.007+/-0.000 χ^2/NDF: 4758909.9/36

Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 7277861.0/57

All: 0.008+/-0.000 χ^2/NDF: 14066210.2/117

- sign 0.008+/-0.000 χ^2/NDF: 6732339.9/59



Right In: -0.192+/-0.000 χ^2/NDF: 6227731632.4/32

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.190+/-0.000 χ^2/NDF: 4555627292.3/36

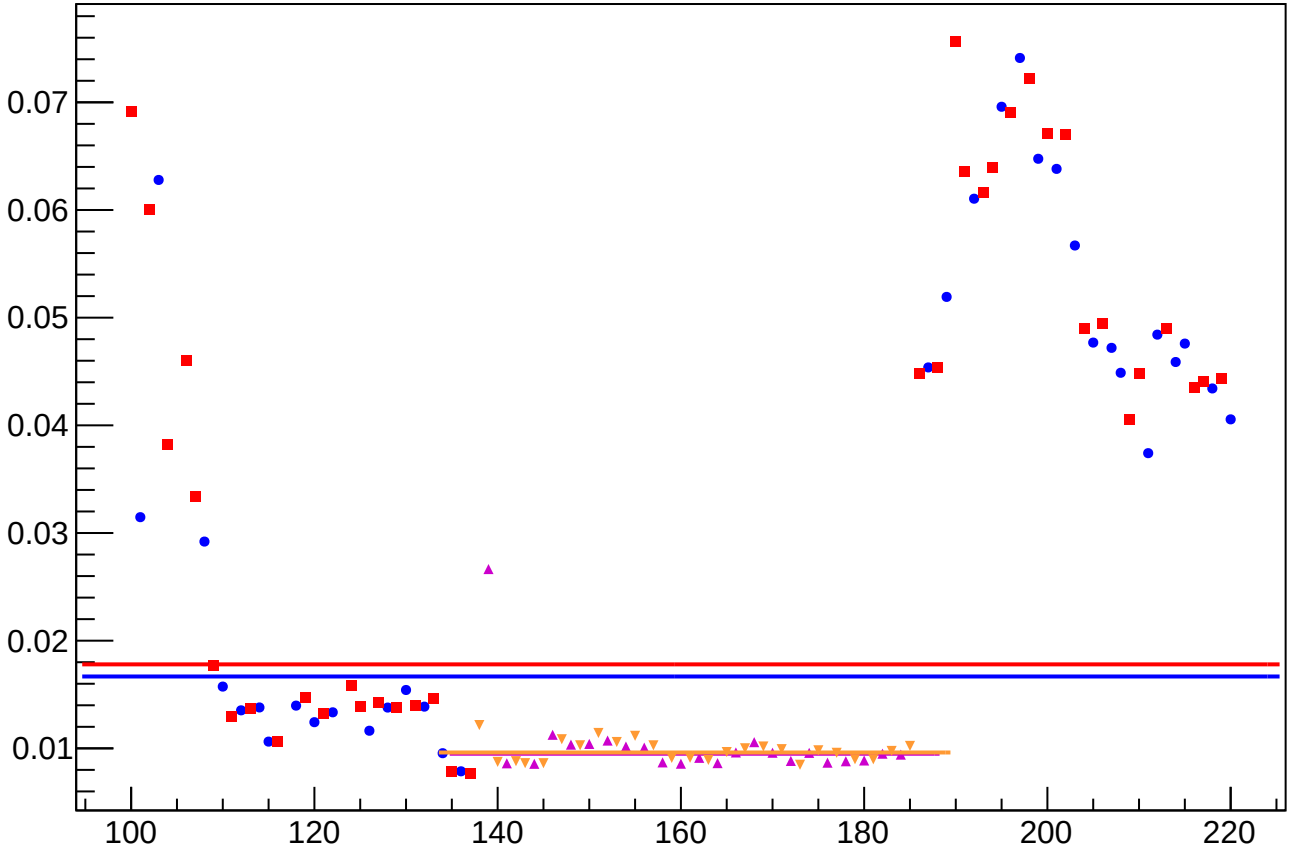
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.052+/-0.000 χ^2/NDF: 8275268759.9/57

All: -0.051+/-0.000 χ^2/NDF: 14688531197.3/

- sign -0.051+/-0.000 χ^2/NDF: 6413135770.7/59

yield_bpm16X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 15633472.3/32

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.018+/-0.000 χ^2/NDF: 15790259.3/36

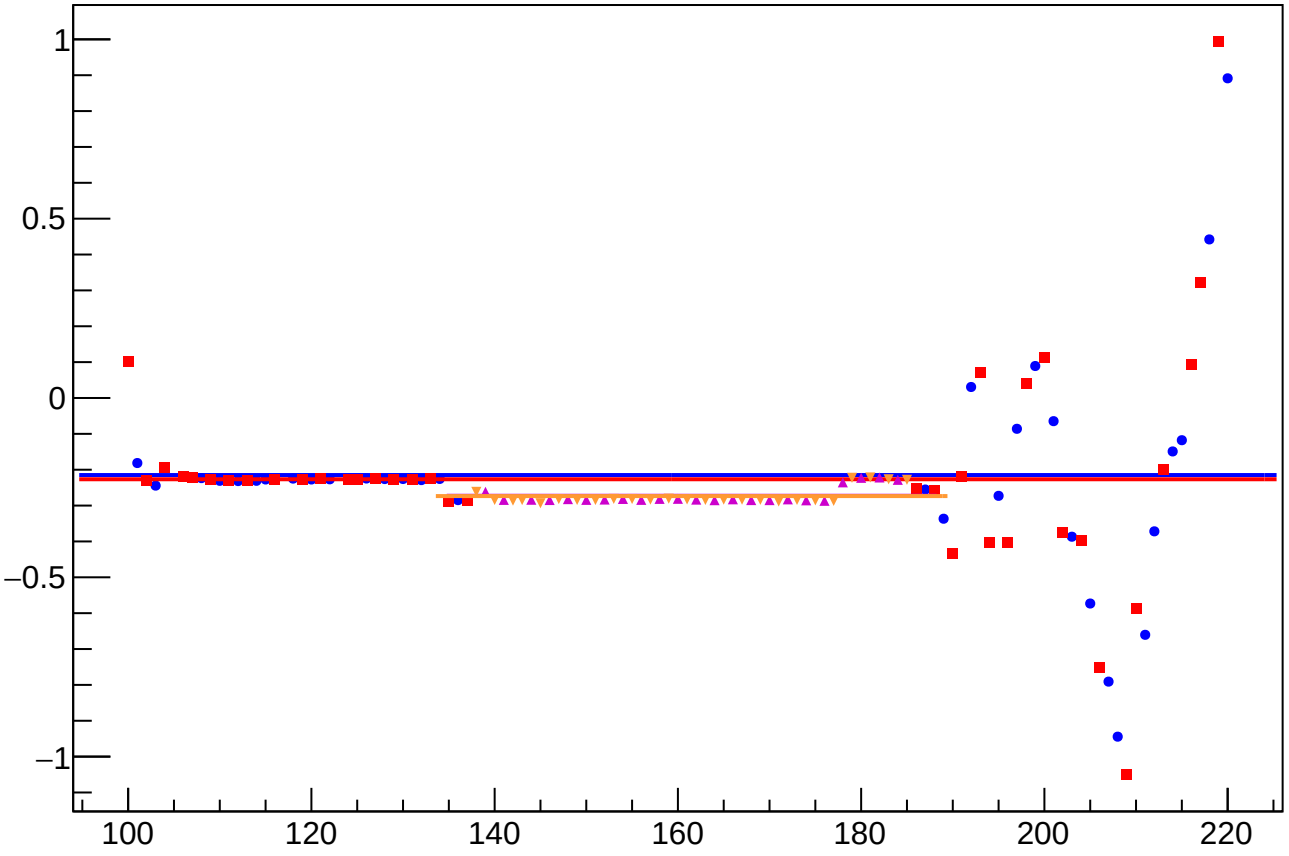
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 19212451.0/57

All: 0.011+/-0.000 χ^2/NDF: 40072926.4/117

- sign 0.011+/-0.000 χ^2/NDF: 20859966.2/59

yield_bpm16Y_mean vs Slug



Right In: -0.215+/-0.000 χ^2/NDF: 55583000959.9/32

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.227+/-0.000 χ^2/NDF: 54052880309.0/36

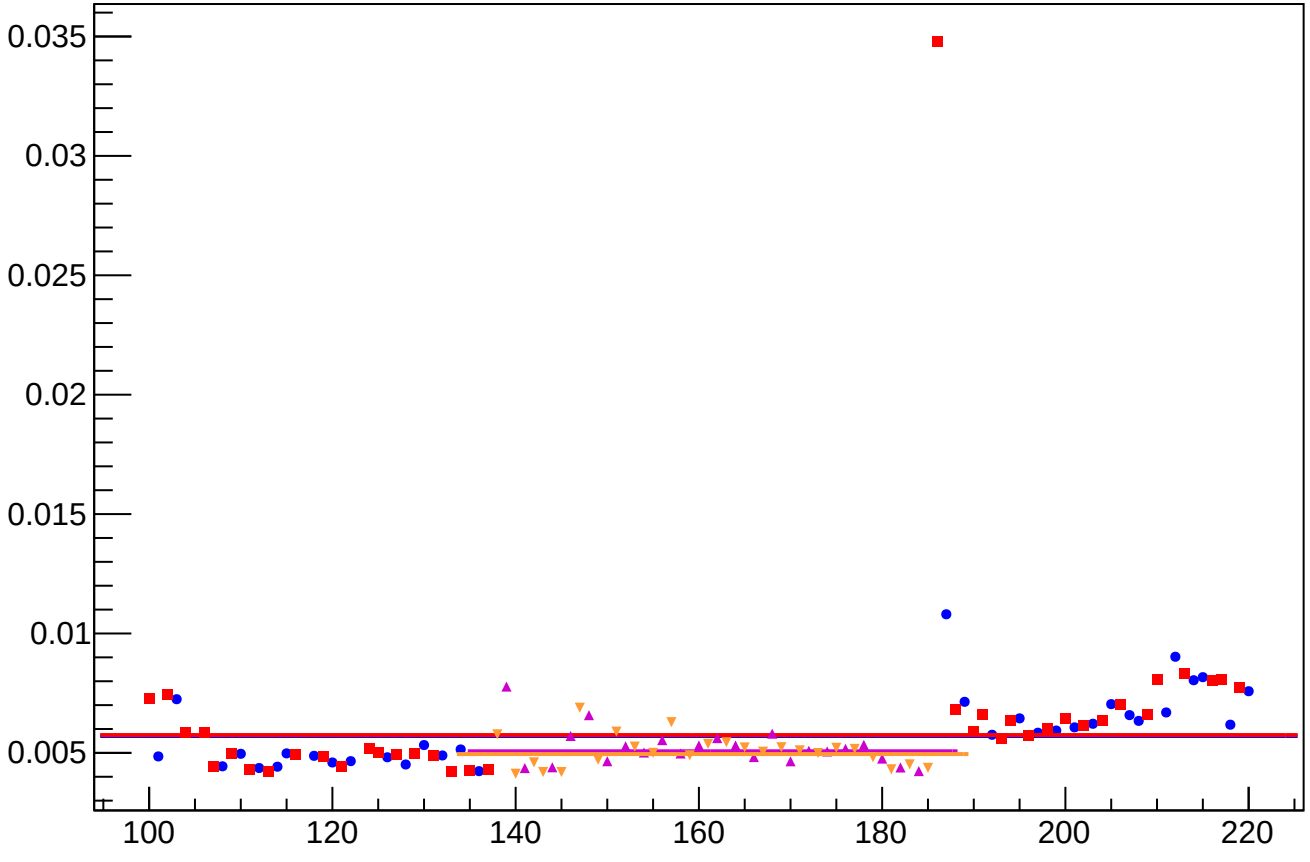
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.248+/-0.000 χ^2/NDF: 57092292607.0/57

All: -0.249+/-0.000 χ^2/NDF: 112144634404.2

- sign -0.251+/-0.000 χ^2/NDF: 55044635053.3/59

yield_bpm16Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1622524.6/32

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

Right Out: 0.006+/-0.000 χ^2/NDF: 2211718.9/36

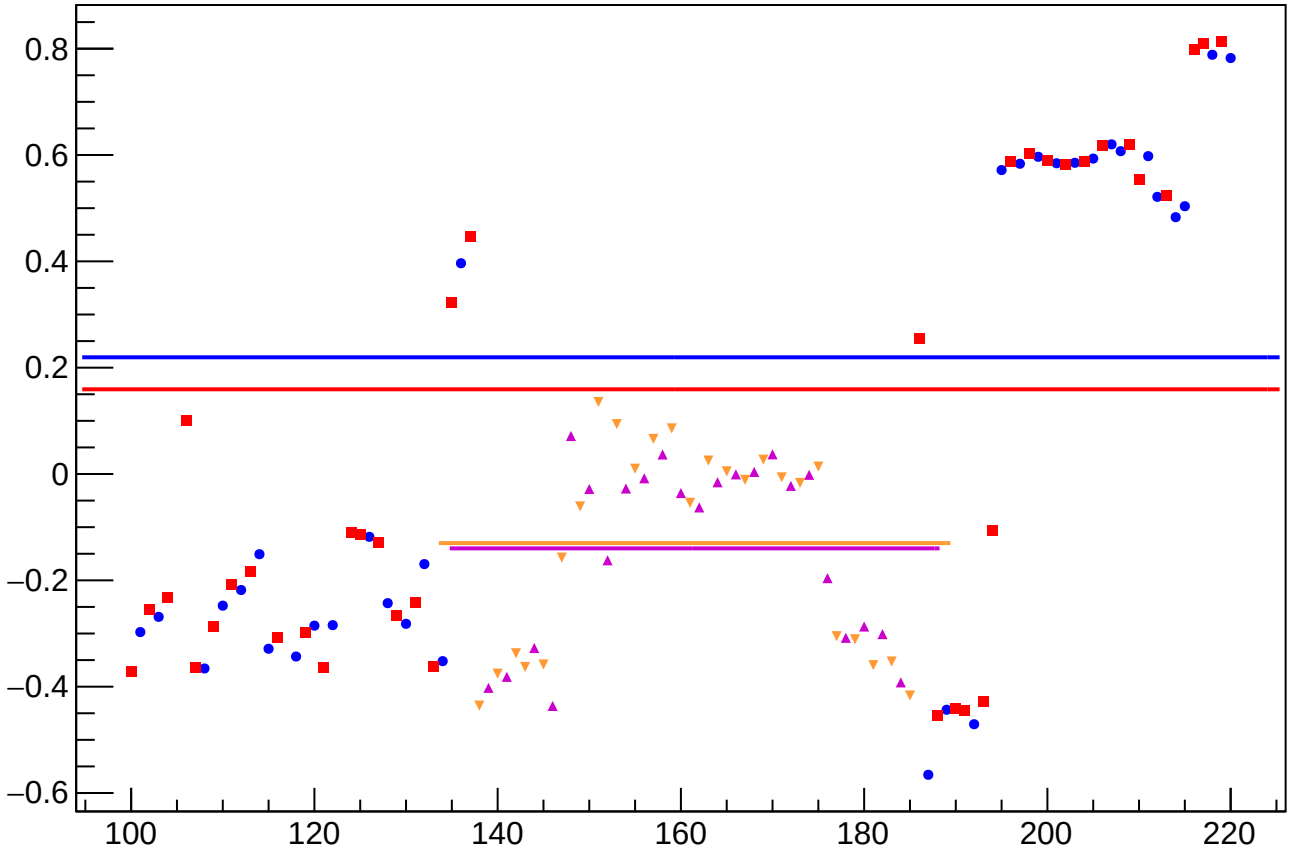
Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 2522259.3/57

All: 0.005+/-0.000 χ^2/NDF: 5573059.9/117

- sign 0.005+/-0.000 χ^2/NDF: 3037974.5/59

yield_bpm0i02X_mean vs Slug



Right In: 0.220+/-0.000 χ^2/NDF: 84707664432.9/32

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: 0.159+/-0.000 χ^2/NDF: 90892088011.1/36

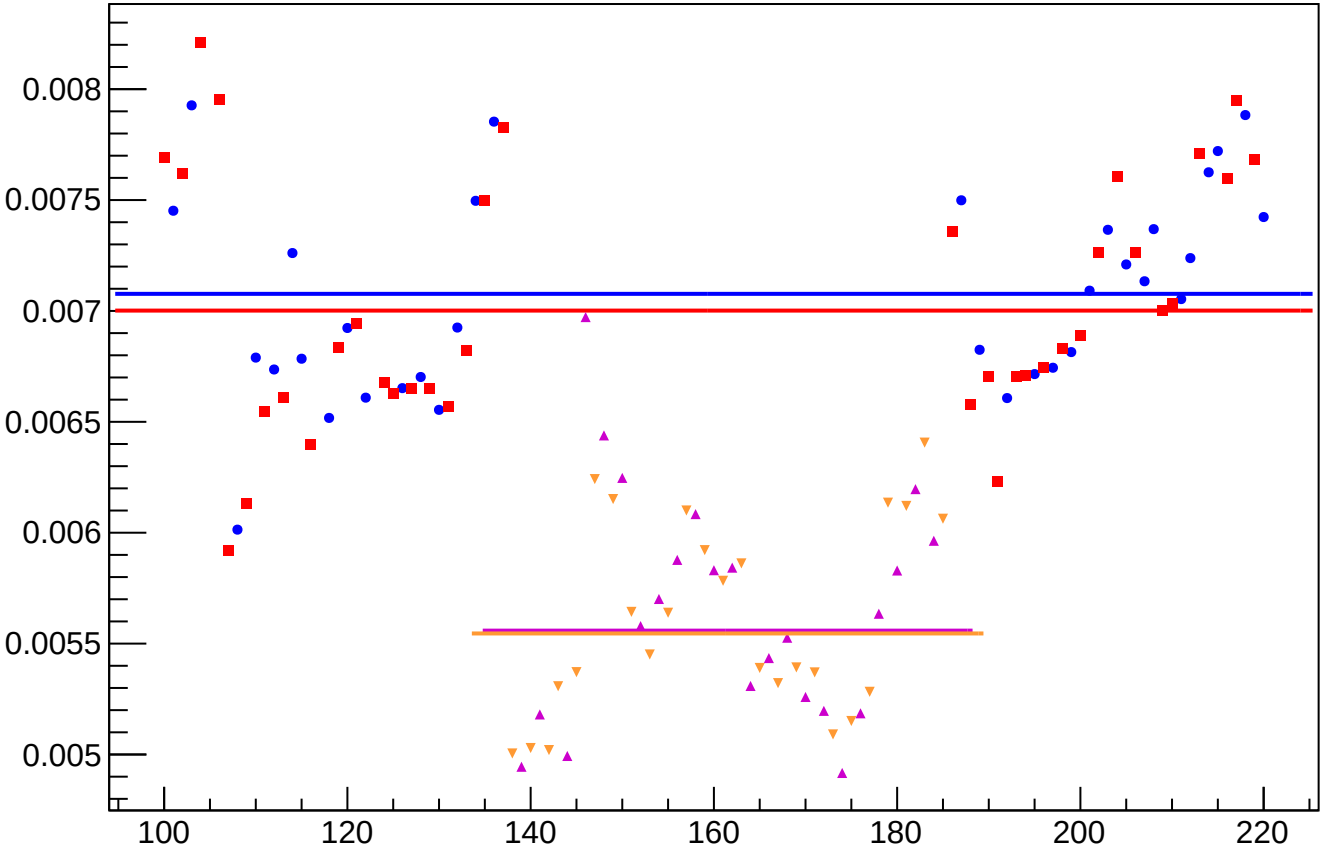
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign 0.013+/-0.000 χ^2/NDF: 135973573458.7/57

All: 0.001+/-0.000 χ^2/NDF: 263980230567.9

- sign -0.010+/-0.000 χ^2/NDF: 127742685761.5/59

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 165939.8/32

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

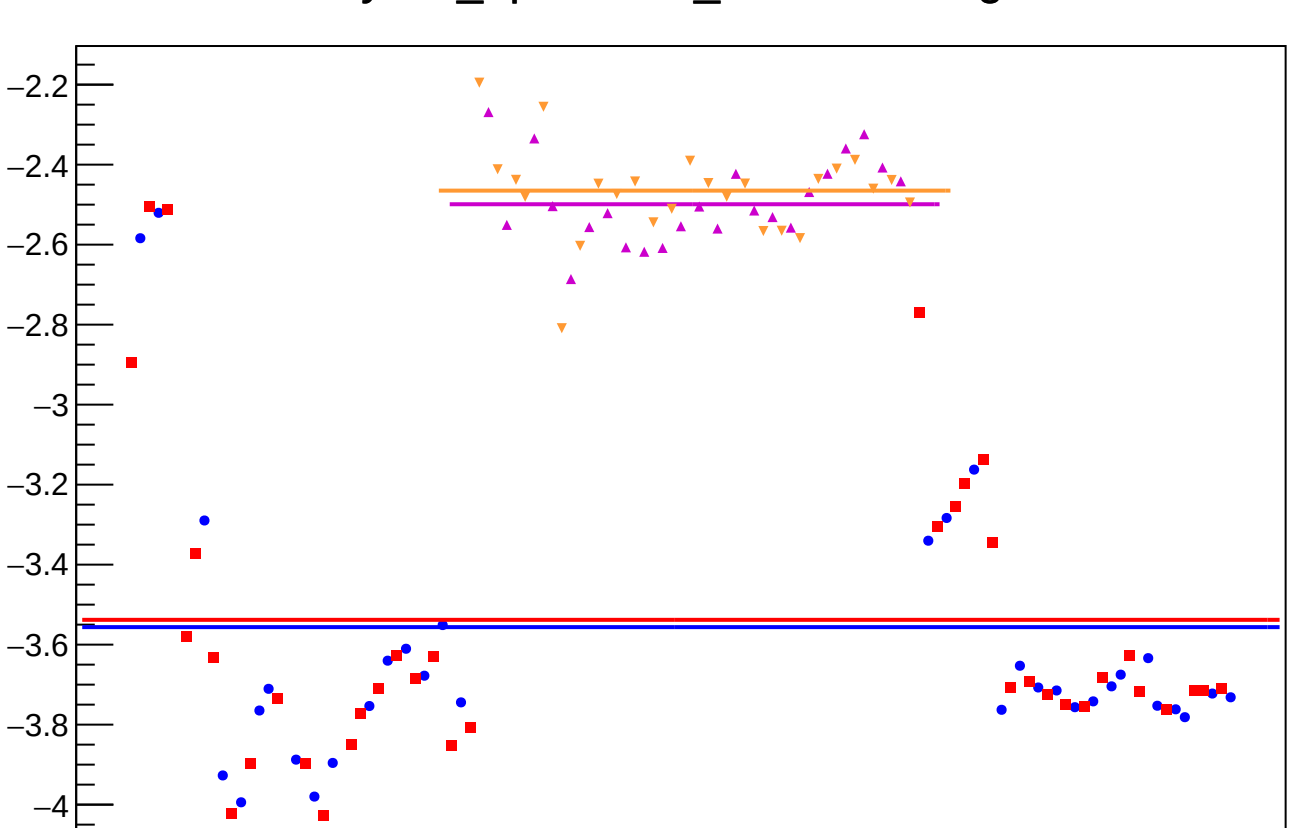
Right Out: 0.007+/-0.000 χ^2/NDF: 214292.9/36

Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 1511123.8/57

All: 0.006+/-0.000 χ^2/NDF: 2996279.3/117

- sign 0.006+/-0.000 χ^2/NDF: 1484993.1/59



Right In: -3.556+/-0.000 χ^2/NDF: 33987626075.3/32

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.538+/-0.000 χ^2/NDF: 35680524386.2/36

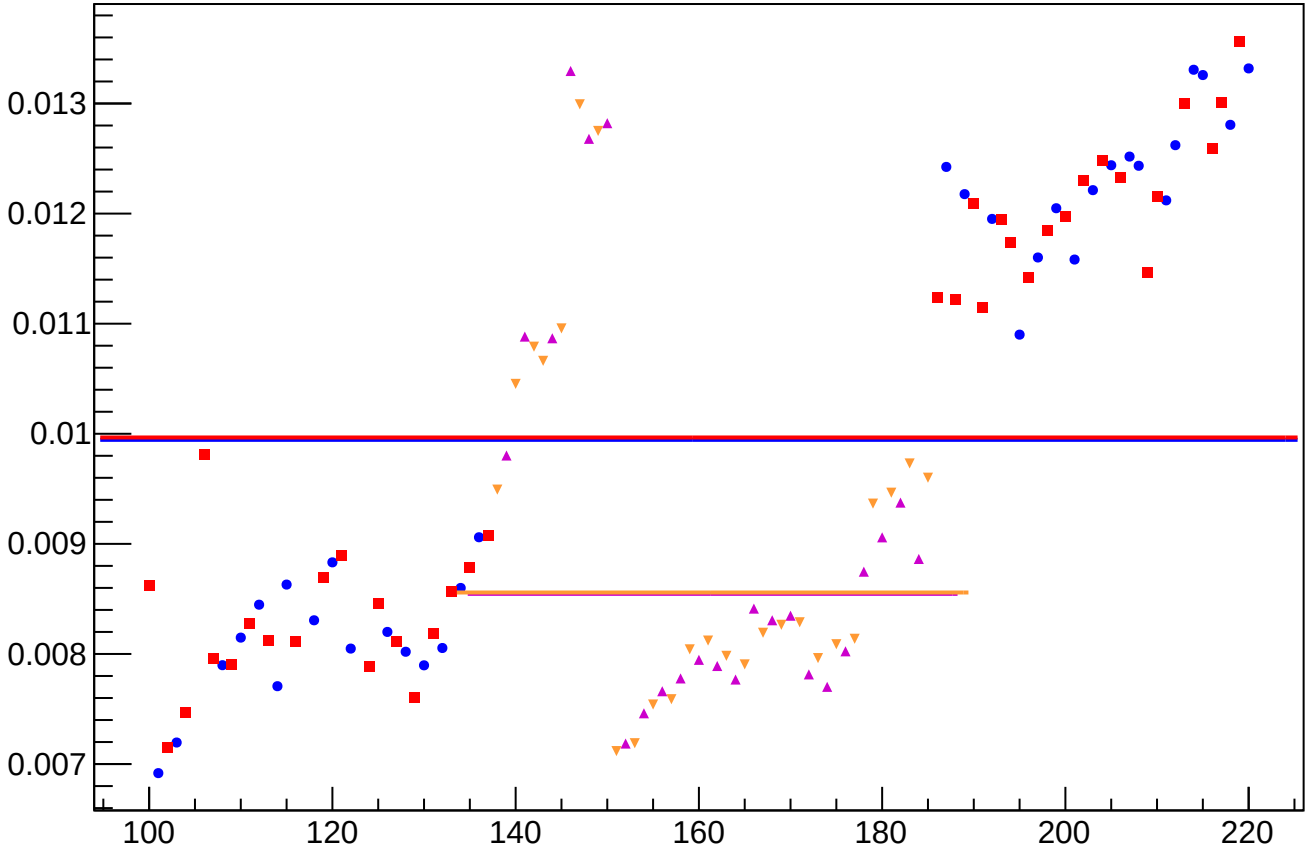
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.952+/-0.000 χ^2/NDF: 167253139981.4/57

All: -2.966+/-0.000 χ^2/NDF: 322579872688.1

- sign -2.981+/-0.000 χ^2/NDF: 155136100273.3/59

yield_bpm0i02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 1950982.0/32

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.010+/-0.000 χ^2/NDF: 1735510.5/36

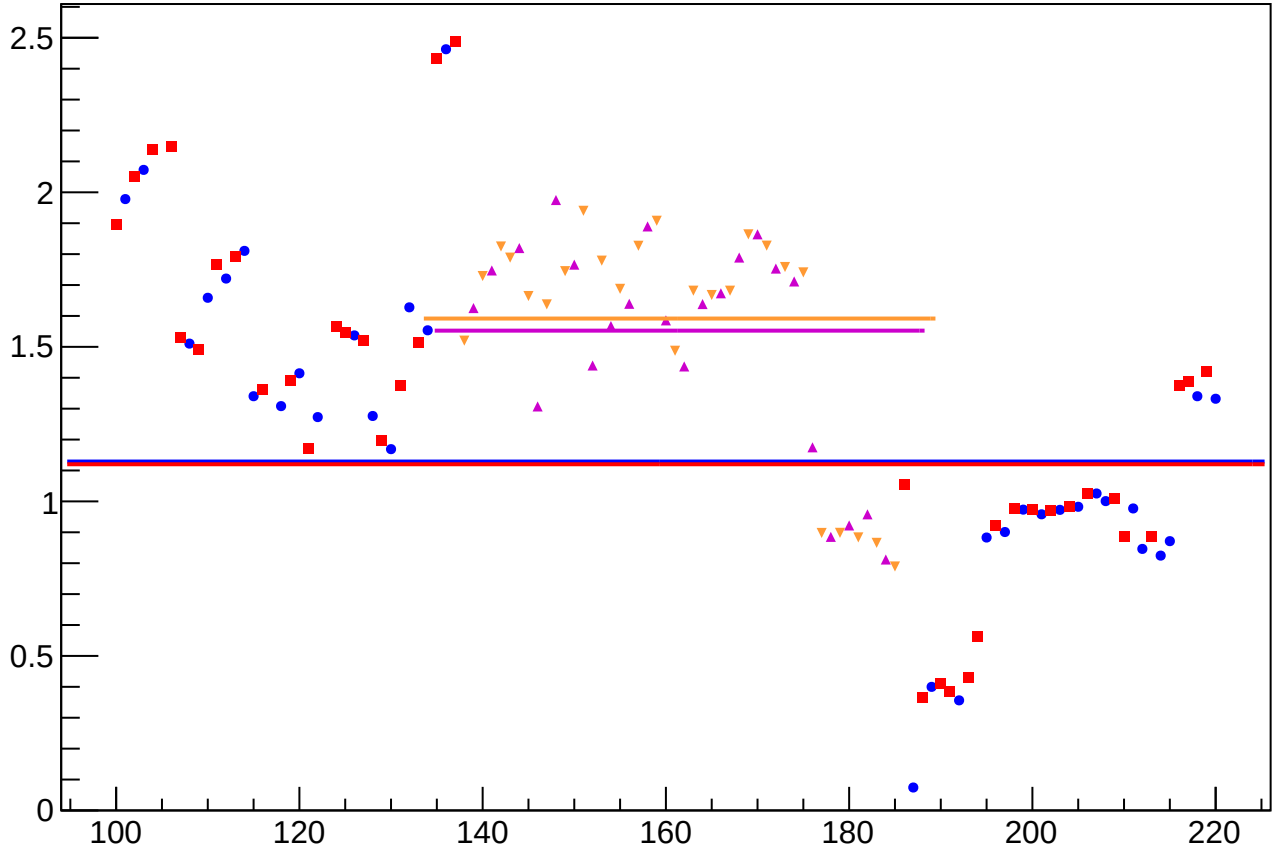
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 3198267.0/57

All: 0.009+/-0.000 χ^2/NDF: 6282978.9/117

- sign 0.009+/-0.000 χ^2/NDF: 3084360.1/59

yield_bpm0i02aX_mean vs Slug



Right In: 1.129+/-0.000 χ^2/NDF: 31122399714.8/32

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

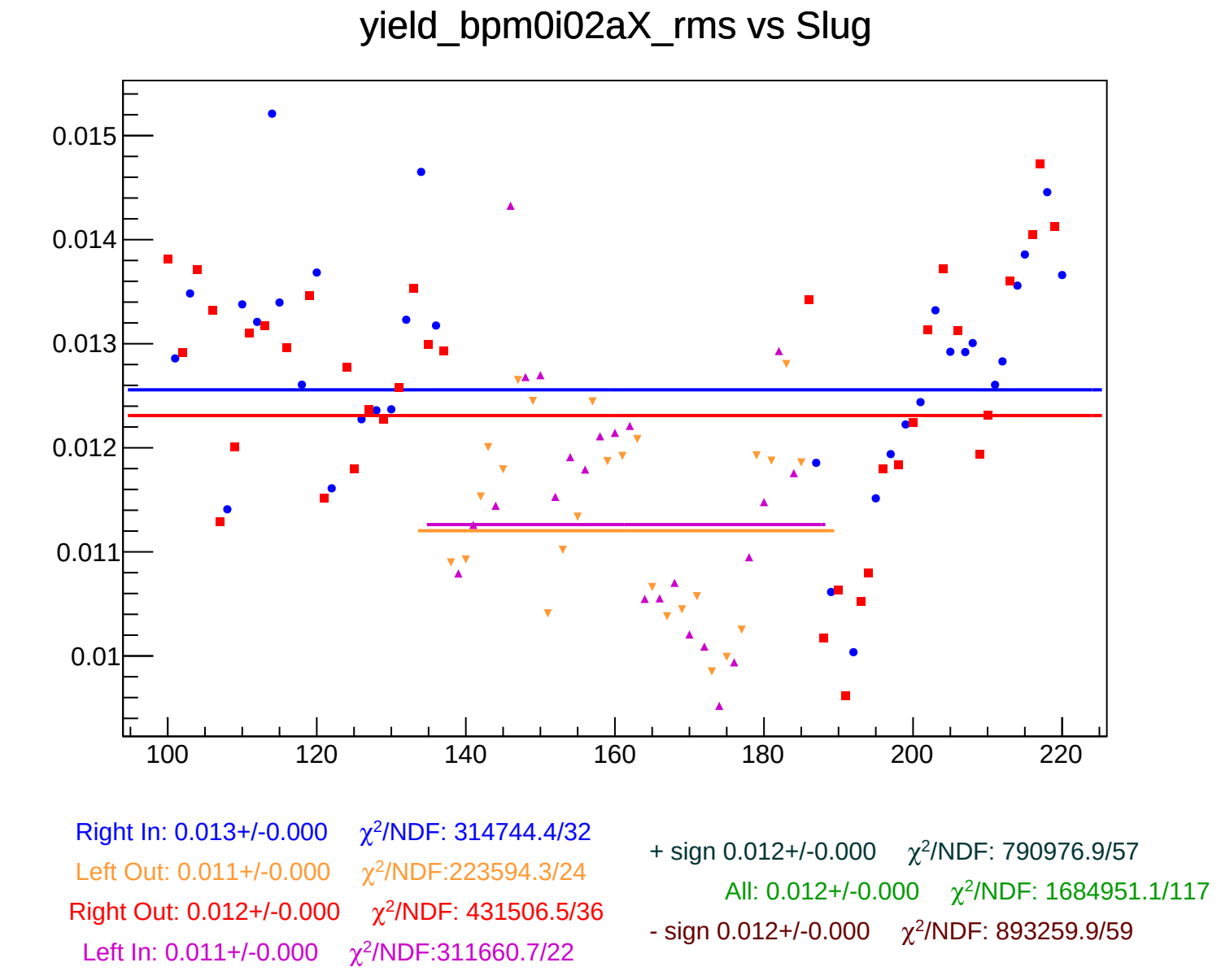
Right Out: 1.120+/-0.000 χ^2/NDF: 35889972774.5/36

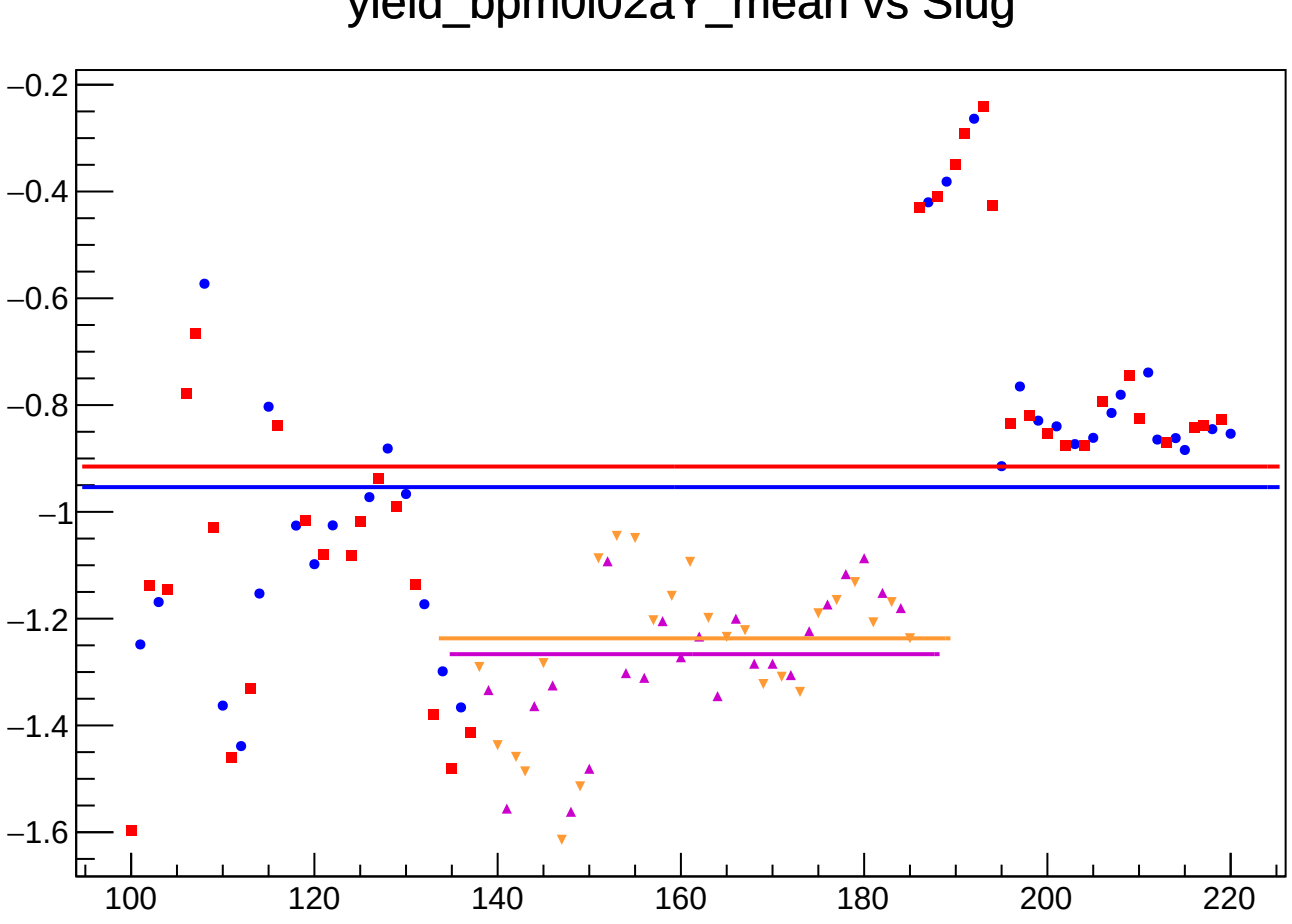
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.375+/-0.000 χ^2/NDF: 62952867820.2/57

All: 1.356+/-0.000 χ^2/NDF: 125883040053.8

- sign 1.336+/-0.000 χ^2/NDF: 62724182732.6/59


yield_bpm0i02aX_rms vs Slug
0.015
0.014
0.013
0.012
0.011
0.01
100
120
140
160
180
200
220
Right In: 0.013+/-0.000 χ²/NDF: 314744.4/32
Left Out: 0.011+/-0.000 χ²/NDF:223594.3/24
Right Out: 0.012+/-0.000 χ²/NDF: 431506.5/36
Left In: 0.011+/-0.000 χ²/NDF:311660.7/22
+ sign 0.012+/-0.000 χ²/NDF: 790976.9/57
All: 0.012+/-0.000 χ²/NDF: 1684951.1/117
- sign 0.012+/-0.000 χ²/NDF: 893259.9/59



Right In: -0.954+/-0.000 χ^2/NDF: 12611774051.6/32

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

Right Out: -0.915+/-0.000 χ^2/NDF: 17061950381.9/36

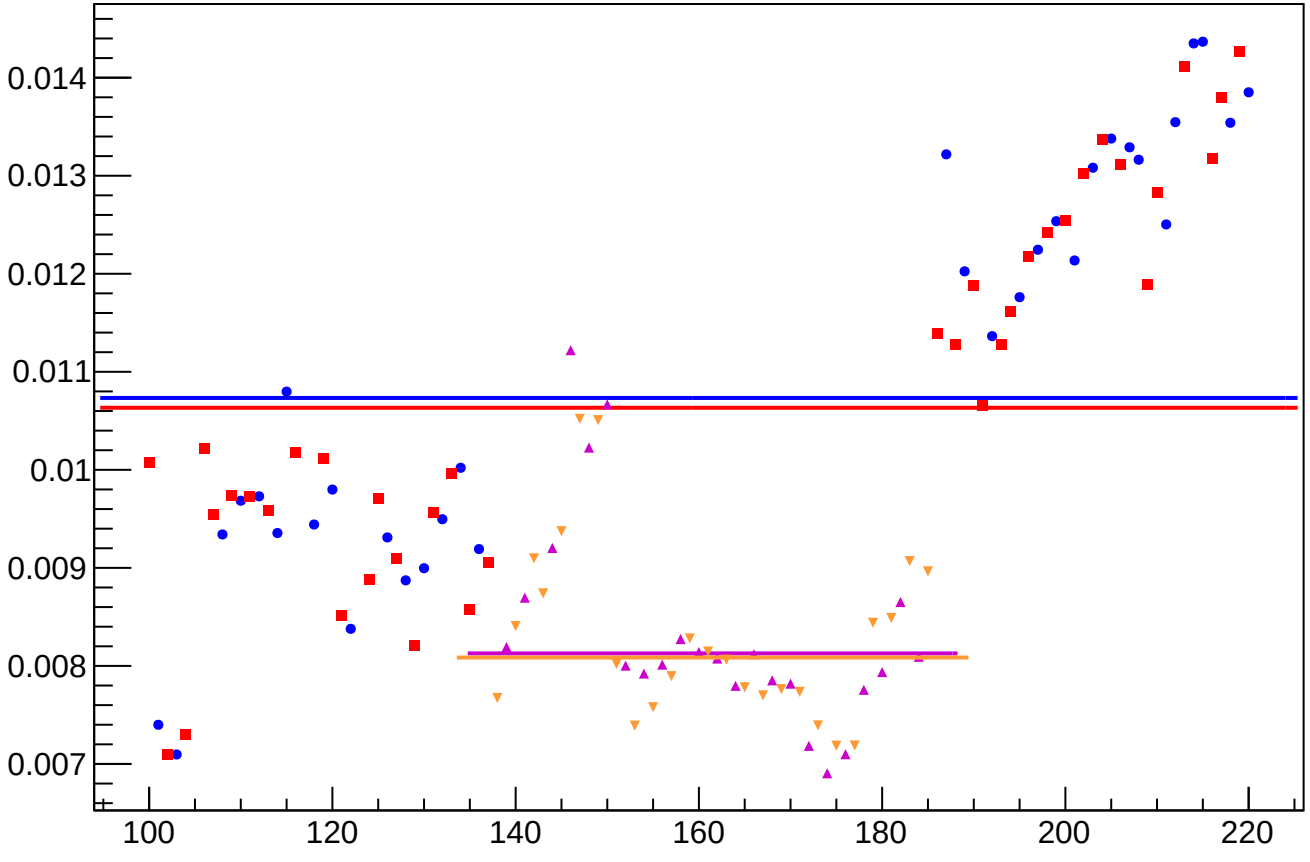
Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.129+/-0.000 χ^2/NDF: 26029424537.7/57

All: -1.126+/-0.000 χ^2/NDF: 59762664264.1/

- sign -1.124+/-0.000 χ^2/NDF: 33727476032.5/59

yield_bpm0i02aY_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 1707571.6/32

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

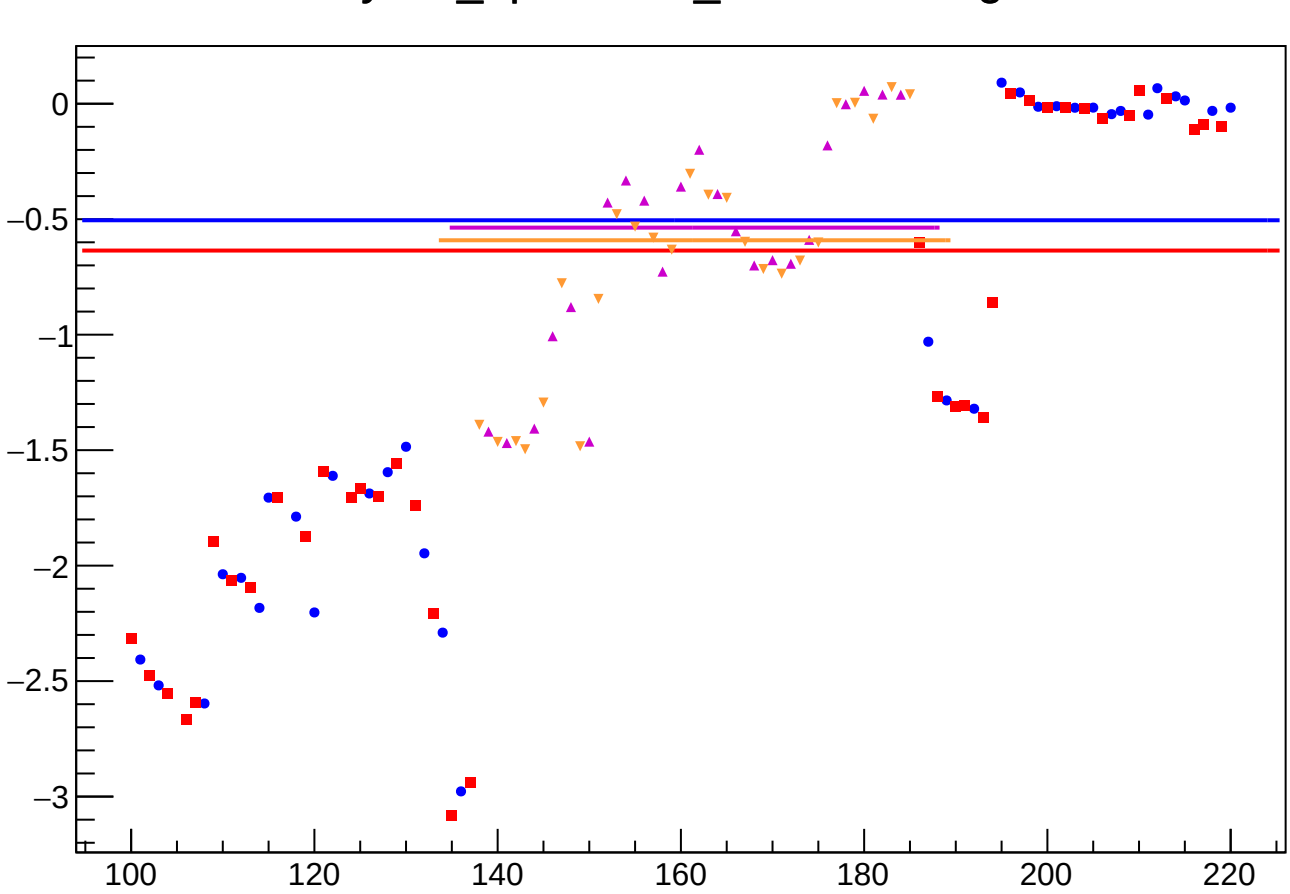
Right Out: 0.011+/-0.000 χ^2/NDF: 1563494.7/36

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF: 3510934.1/57

All: 0.009+/-0.000 χ^2/NDF: 6805764.5/117

- sign 0.009+/-0.000 χ^2/NDF: 3293690.3/59



Right In: -0.505+/-0.000 χ^2/NDF: 427041631478.4/32

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.636+/-0.000 χ^2/NDF: 447971516618.1/36

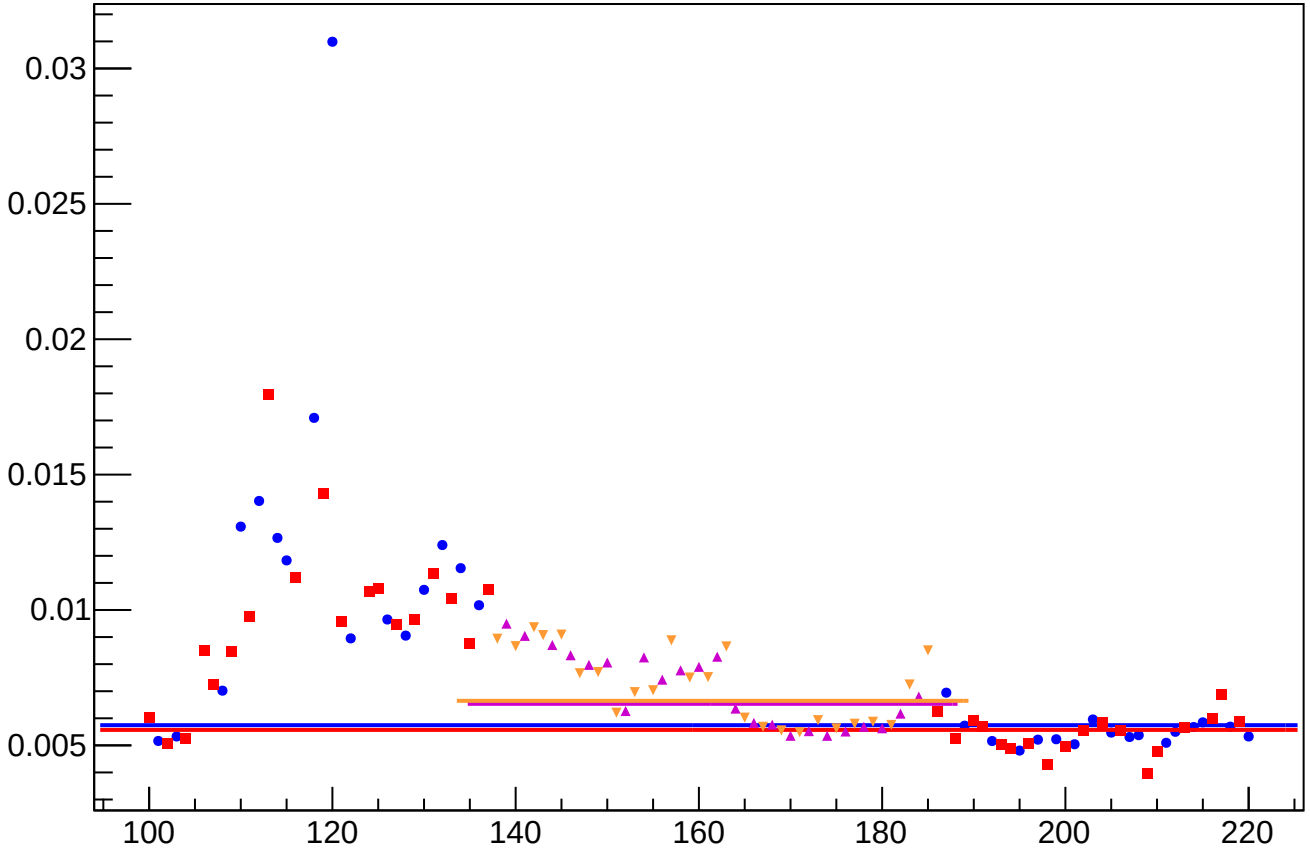
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.541+/-0.000 χ^2/NDF: 501377737195.6/57

All: -0.569+/-0.000 χ^2/NDF: 1023183275537

- sign -0.597+/-0.000 χ^2/NDF: 520359309718.5/59

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2553261.1/32

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

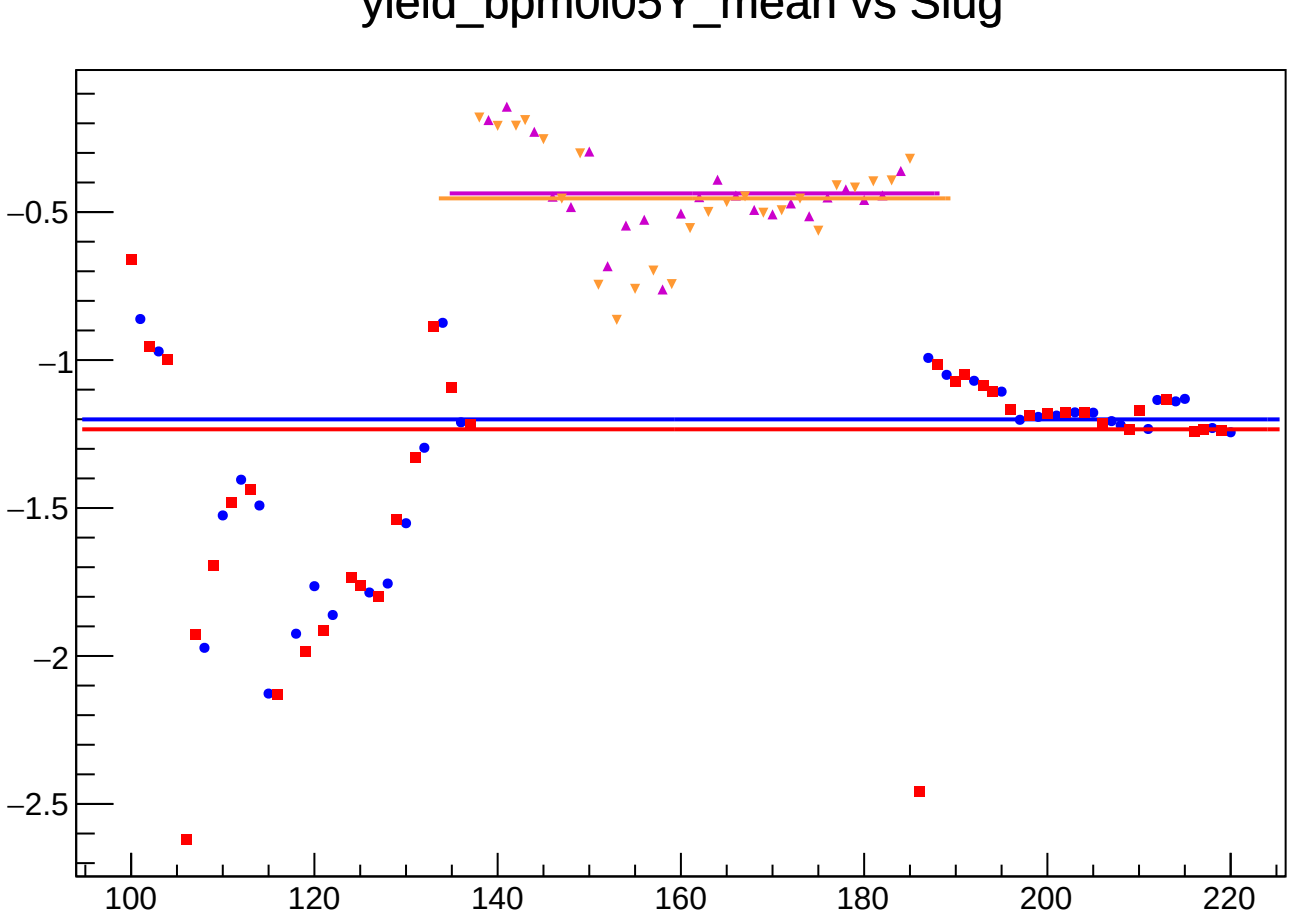
Right Out: 0.006+/-0.000 χ^2/NDF: 2750209.0/36

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 4002708.8/57

All: 0.006+/-0.000 χ^2/NDF: 8348953.6/117

- sign 0.006+/-0.000 χ^2/NDF: 4319263.3/59



Right In: -1.200+/-0.000 χ^2/NDF: 27793701117.6/32

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.234+/-0.000 χ^2/NDF: 72816662258.6/36

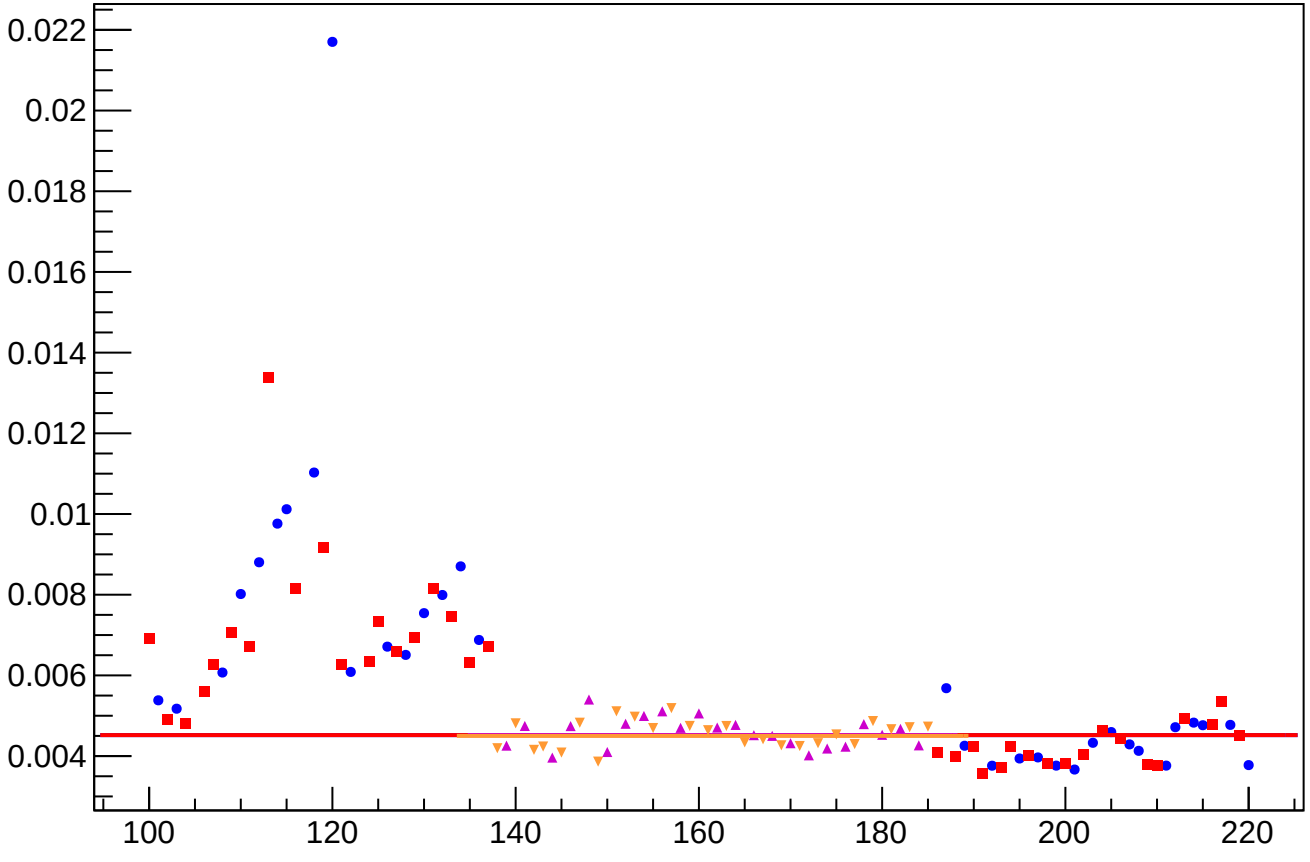
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.825+/-0.000 χ^2/NDF: 297895294017.7/57

All: -0.838+/-0.000 χ^2/NDF: 657885344354.3

- sign -0.852+/-0.000 χ^2/NDF: 359329868715.3/59

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2324556.0/32

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

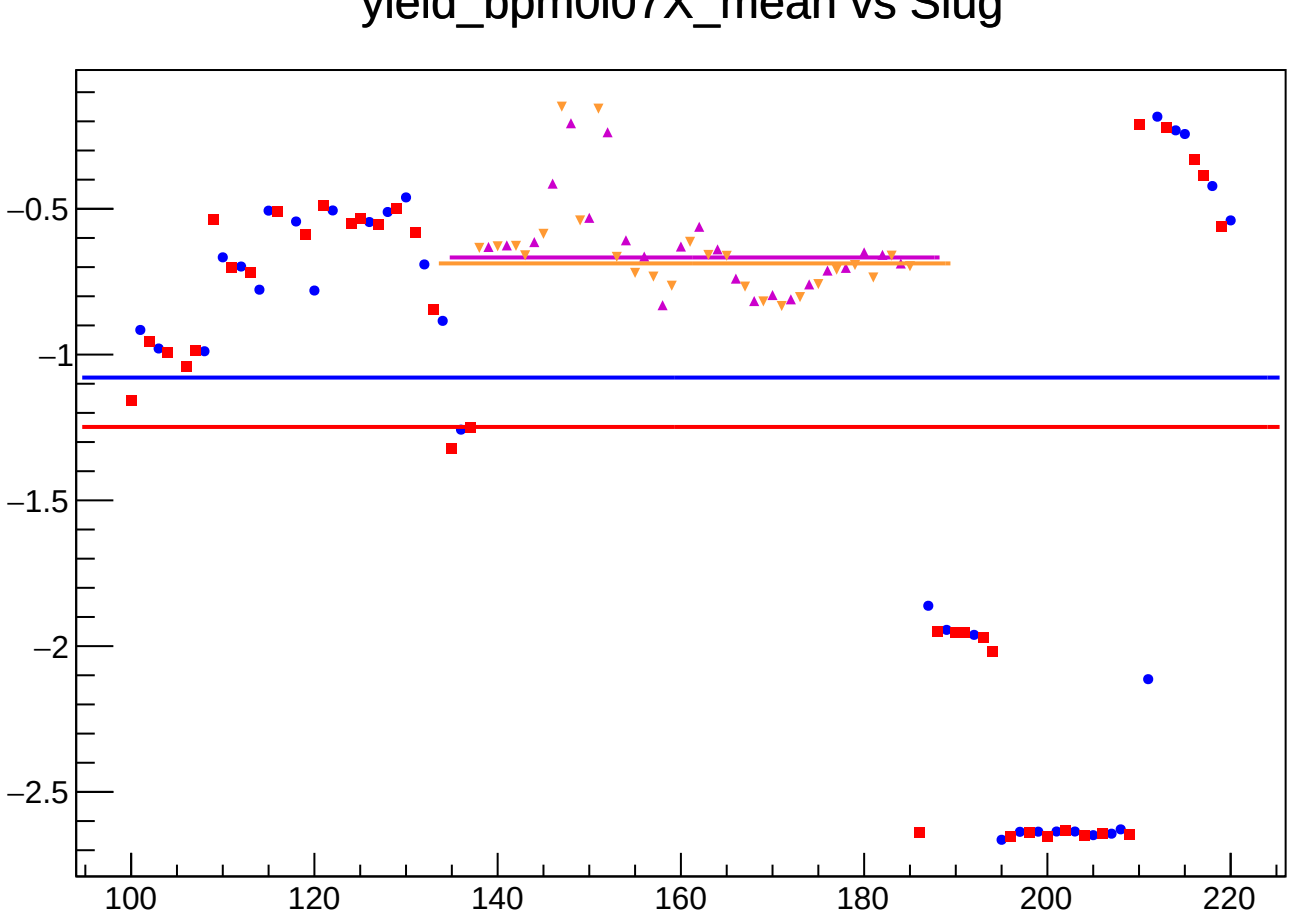
Right Out: 0.005+/-0.000 χ^2/NDF: 2025589.5/36

Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2514088.7/57

All: 0.005+/-0.000 χ^2/NDF: 4751908.4/117

- sign 0.005+/-0.000 χ^2/NDF: 2237646.3/59



Right In: -1.079+/-0.000 χ^2/NDF: 644188790184.8/32

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.248+/-0.000 χ^2/NDF: 767970838031.8/36

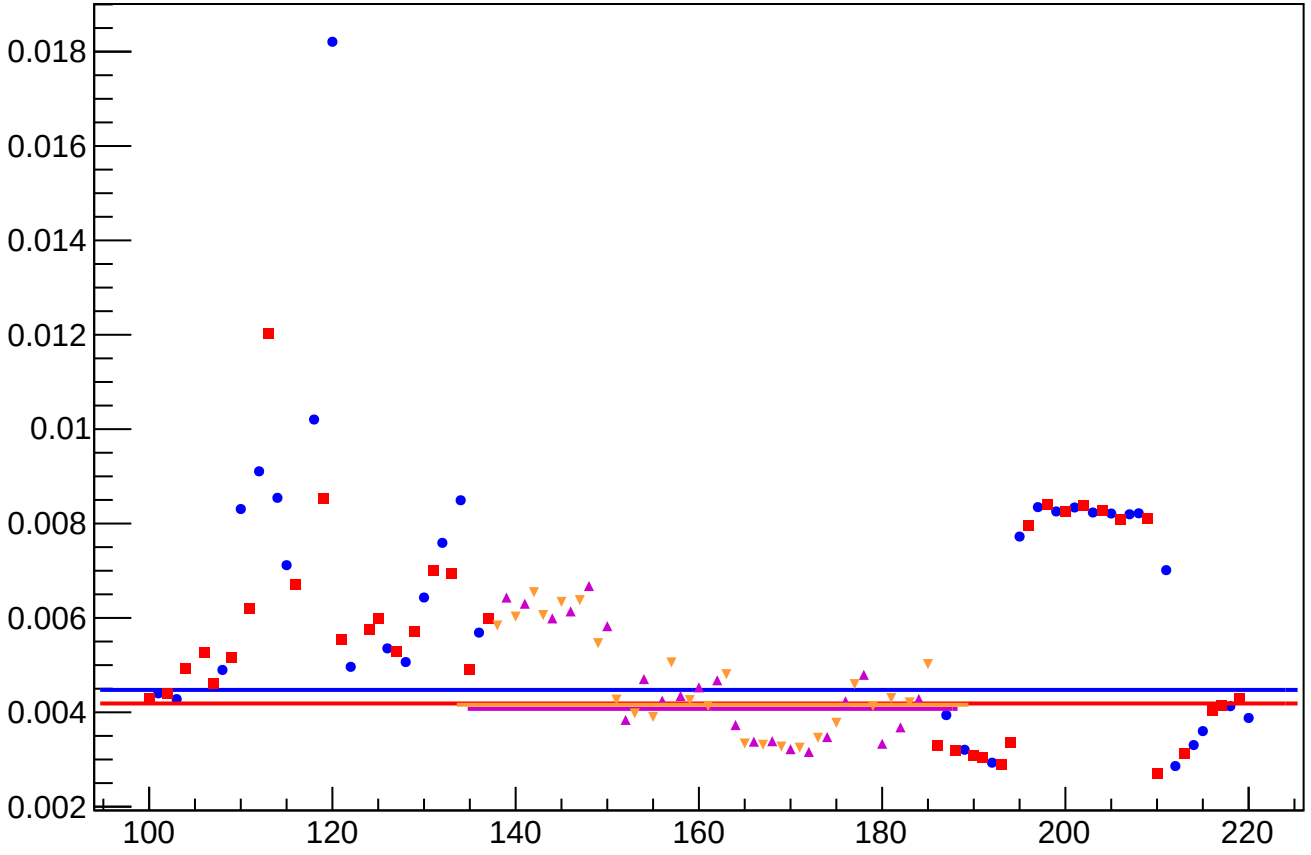
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.868+/-0.000 χ^2/NDF: 735002289579.6/57

All: -0.917+/-0.000 χ^2/NDF: 1696660315287

- sign -0.962+/-0.000 χ^2/NDF: 953560143139.4/59

yield_bpm0i07X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5910214.0/32

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 5568237.2/36

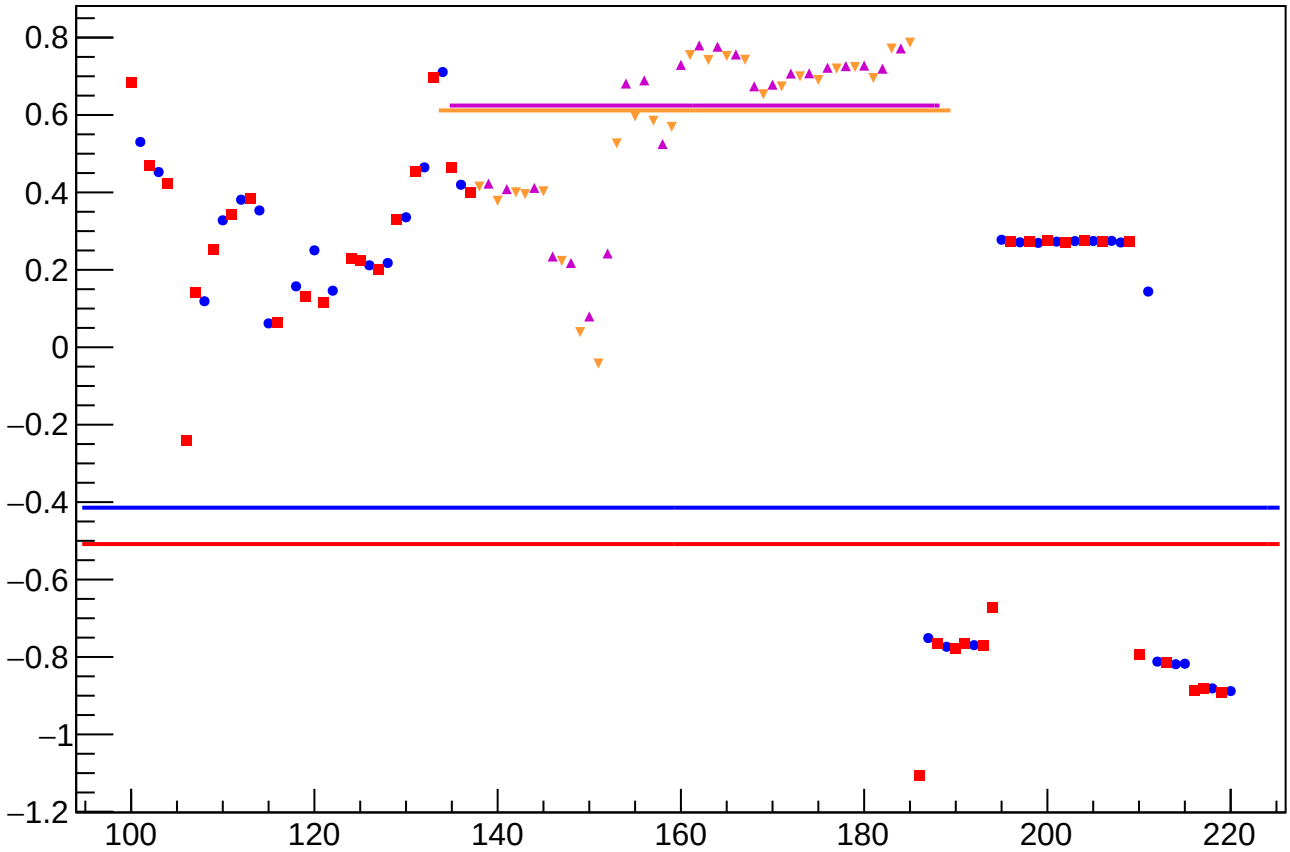
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 7518324.0/57

All: 0.004+/-0.000 χ^2/NDF: 14906405.3/117

- sign 0.004+/-0.000 χ^2/NDF: 7331189.5/59

yield_bpm0i07Y_mean vs Slug



Right In: -0.414+/-0.000 χ^2/NDF: 605259580802.5/32

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.508+/-0.000 χ^2/NDF: 665363346548.6/36

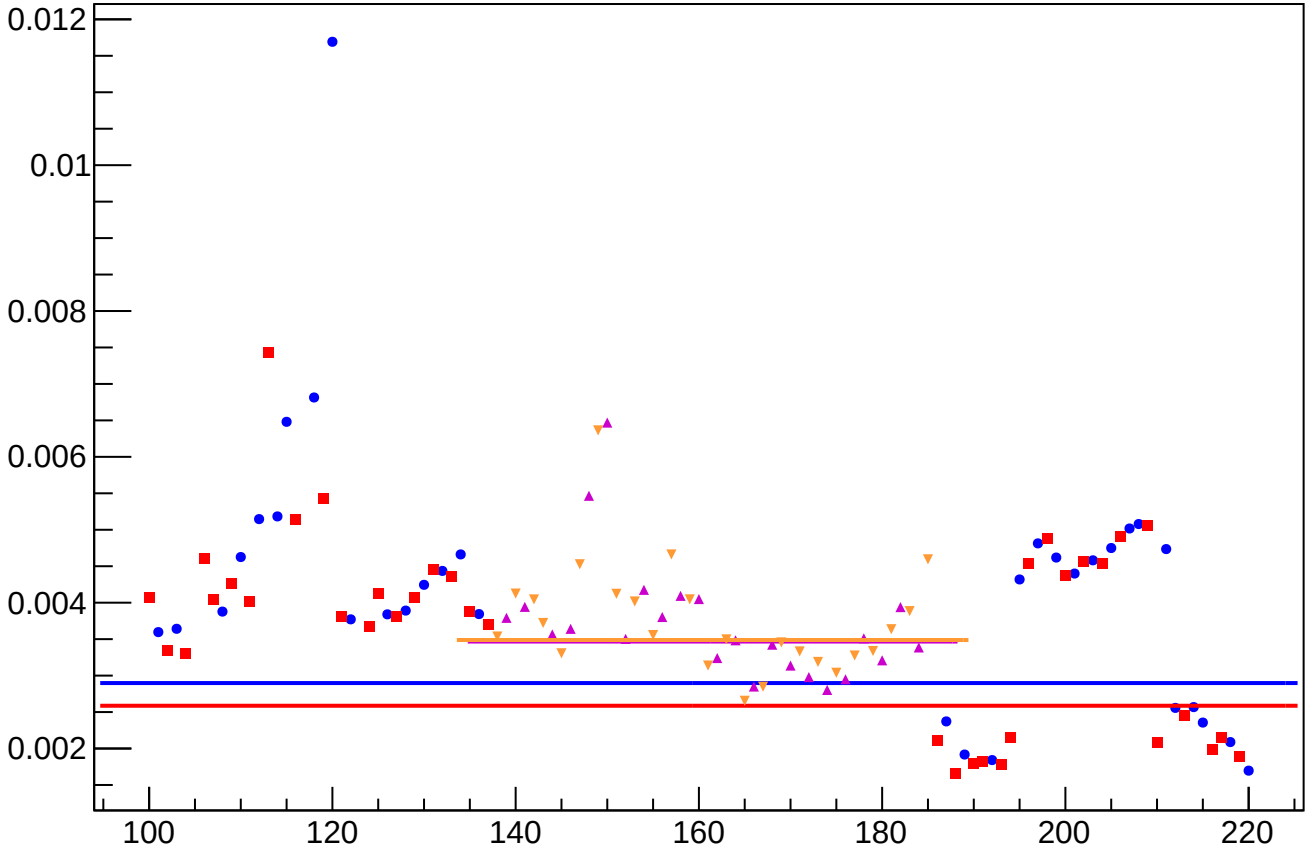
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign -0.003+/-0.000 χ^2/NDF: 1483024440909.0/5

All: -0.070+/-0.000 χ^2/NDF: 3295898841350

- sign -0.128+/-0.000 χ^2/NDF: 1785425137441.4/5

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 5807547.4/32

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

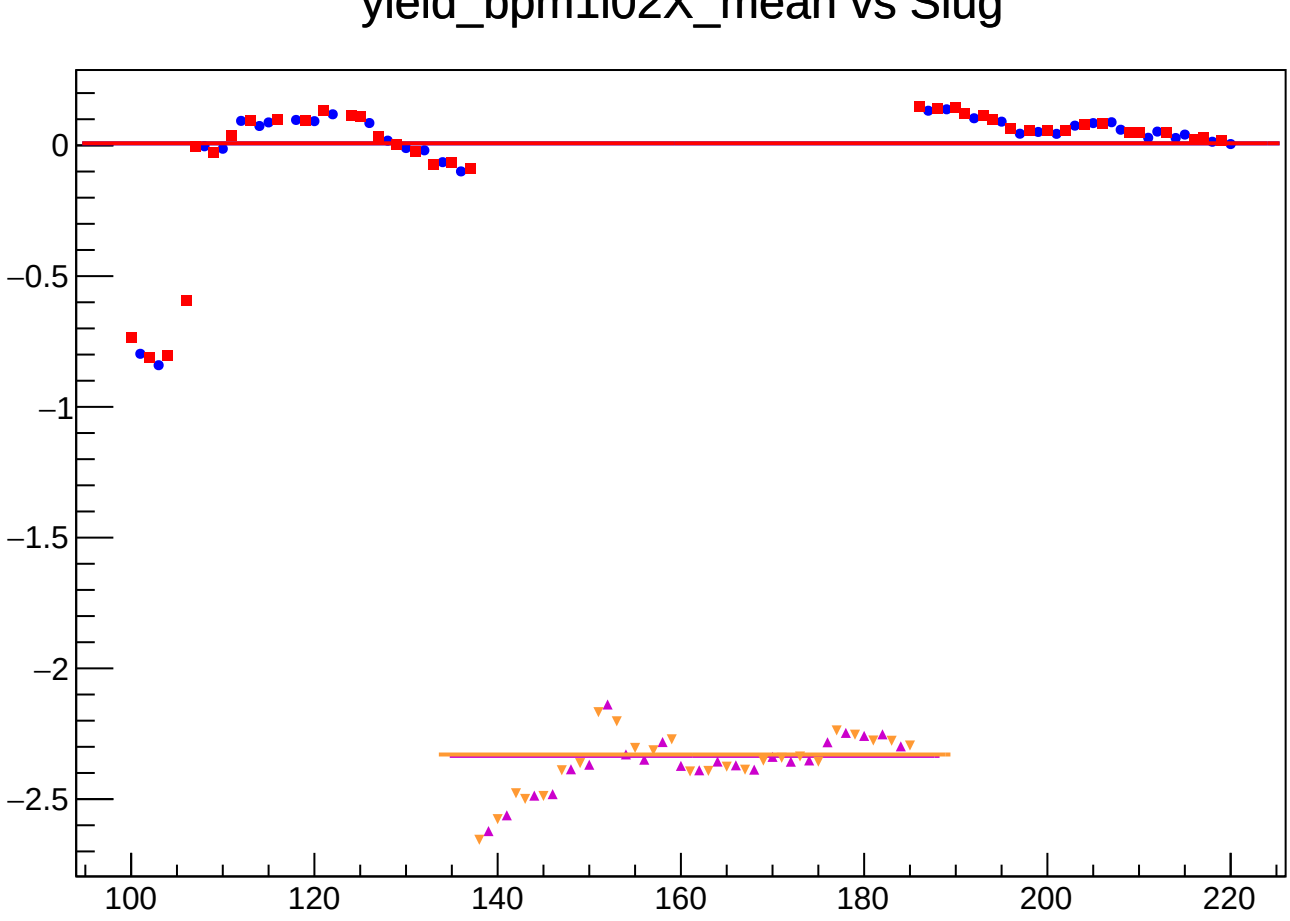
Right Out: 0.003+/-0.000 χ^2/NDF: 5961545.7/36

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 7208862.0/57

All: 0.003+/-0.000 χ^2/NDF: 15592188.1/117

- sign 0.003+/-0.000 χ^2/NDF: 8159763.2/59



Right In: 0.008+/-0.000 χ^2/NDF: 6576811818.1/32

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 7841646323.4/36

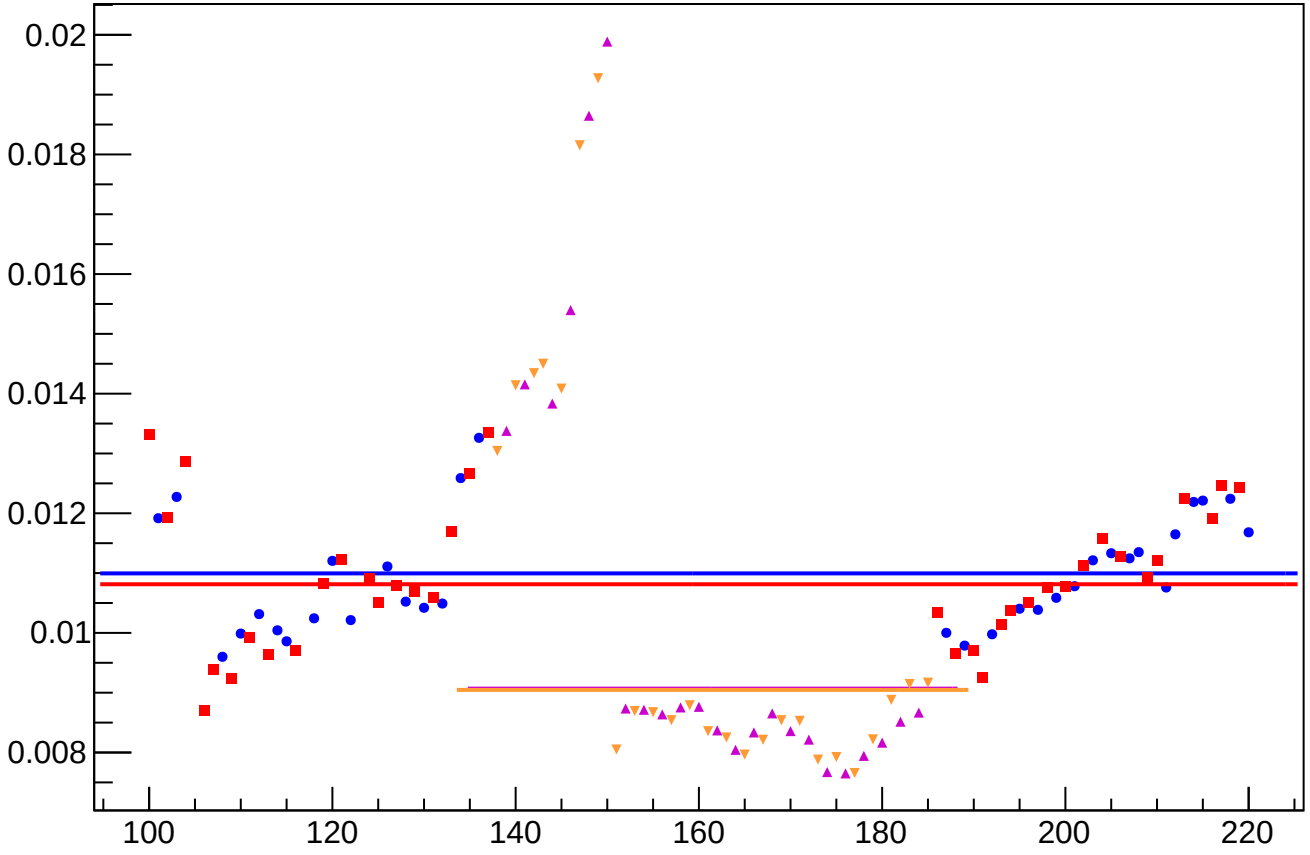
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.310+/-0.000 χ^2/NDF: 537624827935.7/57

All: -1.279+/-0.000 χ^2/NDF: 1080011515255

- sign -1.246+/-0.000 χ^2/NDF: 541576997064.3/59

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 262226.7/32

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

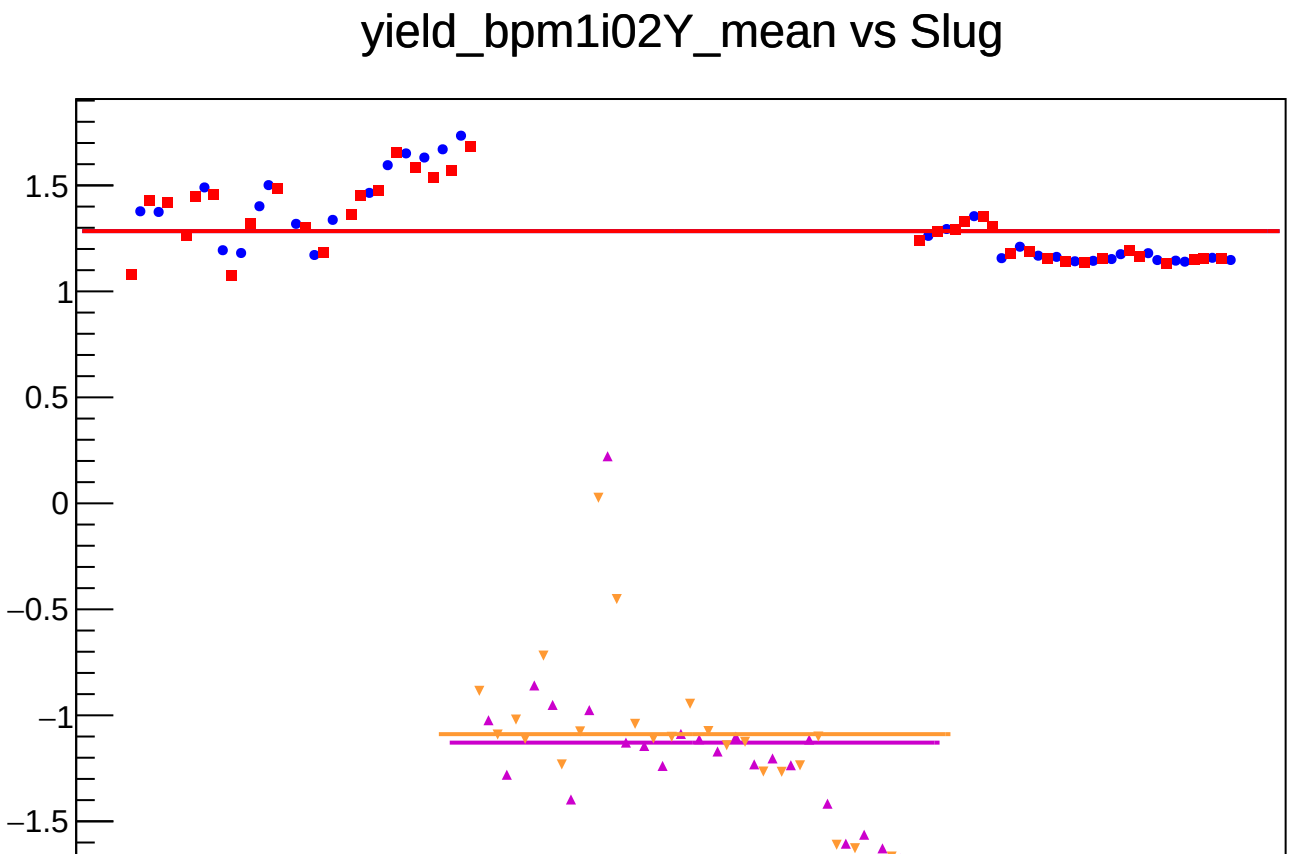
Right Out: 0.011+/-0.000 χ^2/NDF: 370148.3/36

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

\+ sign 0.010+/-0.000 χ^2/NDF: 3046125.9/57

All: 0.010+/-0.000 χ^2/NDF: 6141276.6/117

\- sign 0.010+/-0.000 χ^2/NDF: 3095034.9/59



Right In: 1.284+/-0.000 χ^2/NDF: 9910709345.8/32

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.284+/-0.000 χ^2/NDF: 7729288621.8/36

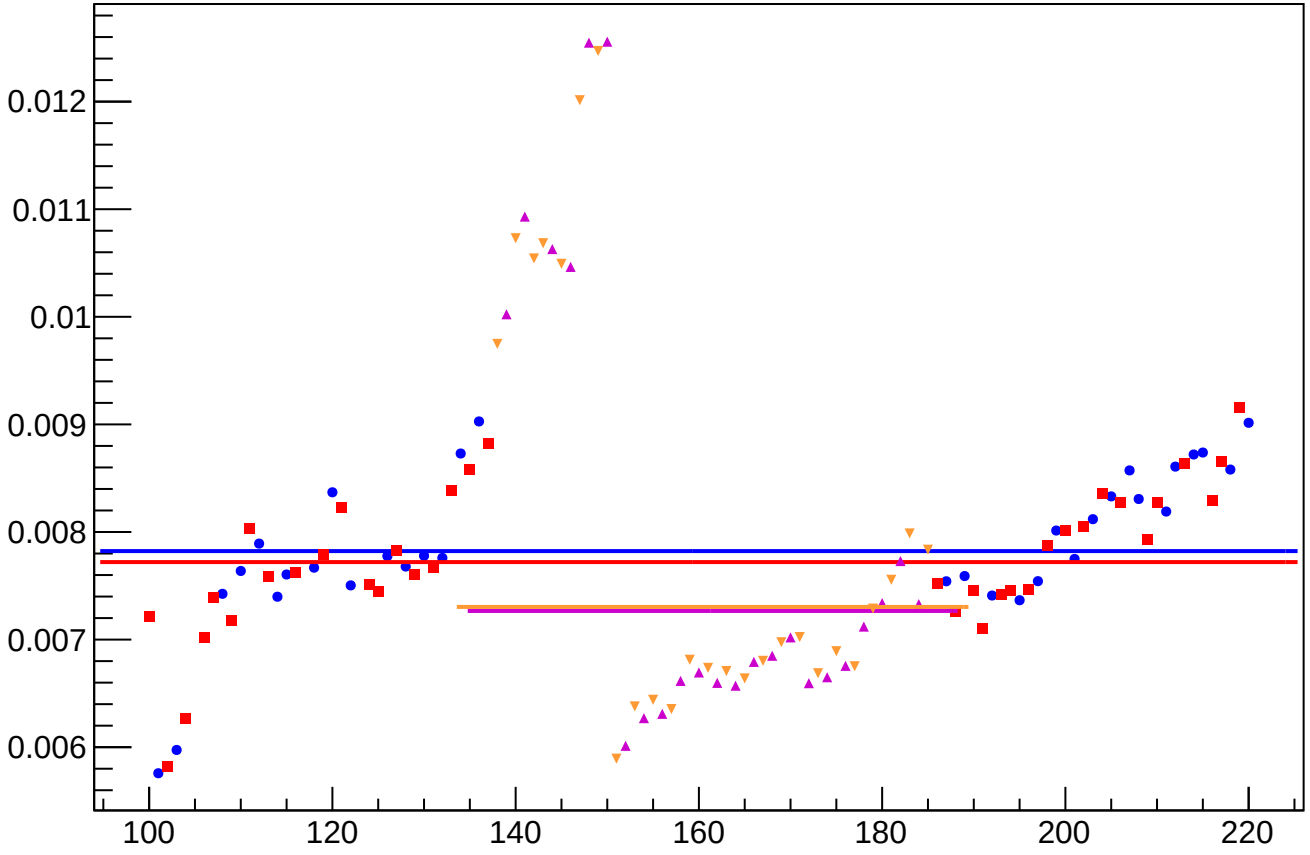
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign 0.083+/-0.000 χ^2/NDF: 1034523578980.0/57

All: 0.103+/-0.000 χ^2/NDF: 2100623750511.

- sign 0.122+/-0.000 χ^2/NDF: 1065572827313.8/59

yield_bpm1i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 475343.8/32

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 379096.9/36

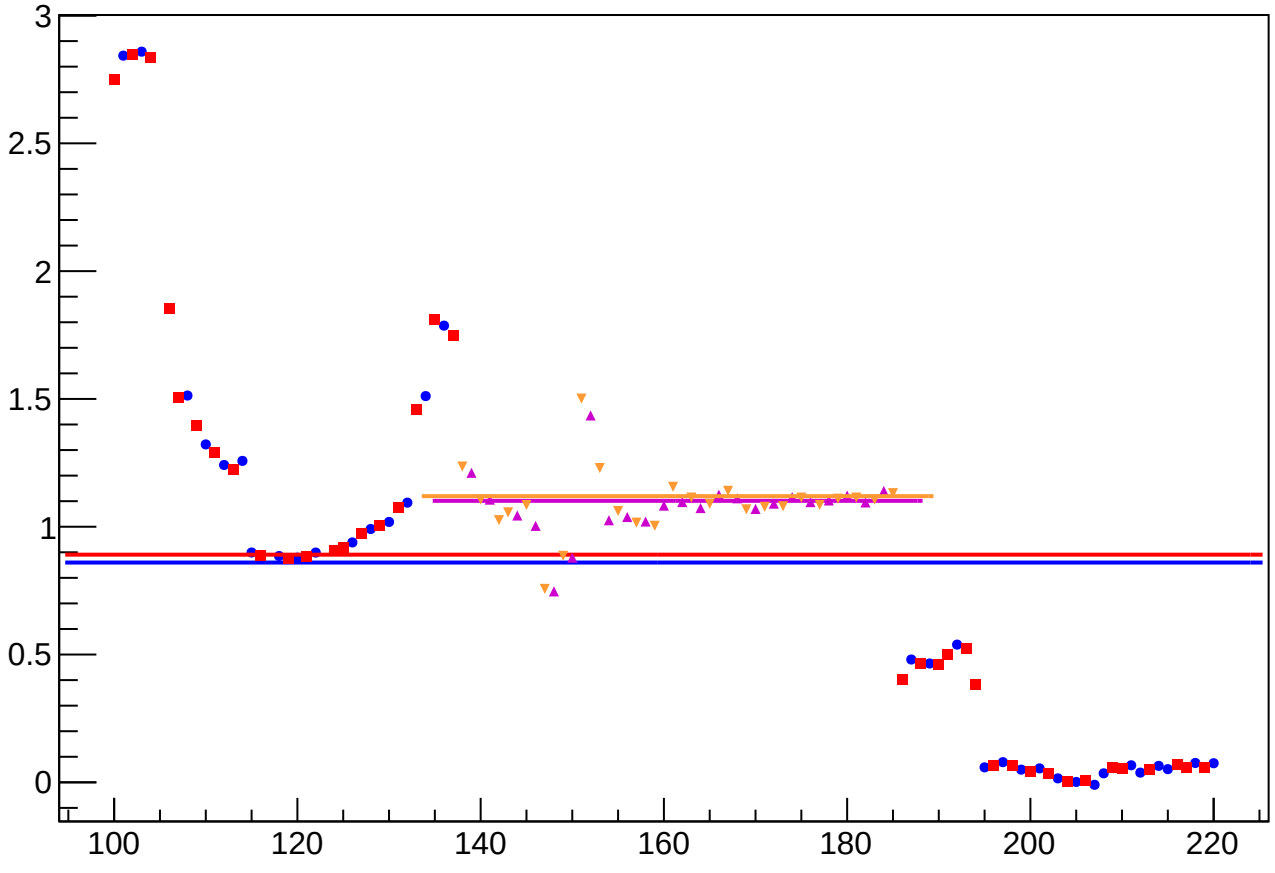
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 2071629.4/57

All: 0.008+/-0.000 χ^2/NDF: 4083893.1/117

- sign 0.008+/-0.000 χ^2/NDF: 2009944.2/59

yield_bpm1i04X_mean vs Slug



Right In: 0.860+/-0.000 χ^2/NDF: 164845284309.8/32

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 0.891+/-0.000 χ^2/NDF: 158683317902.1/36

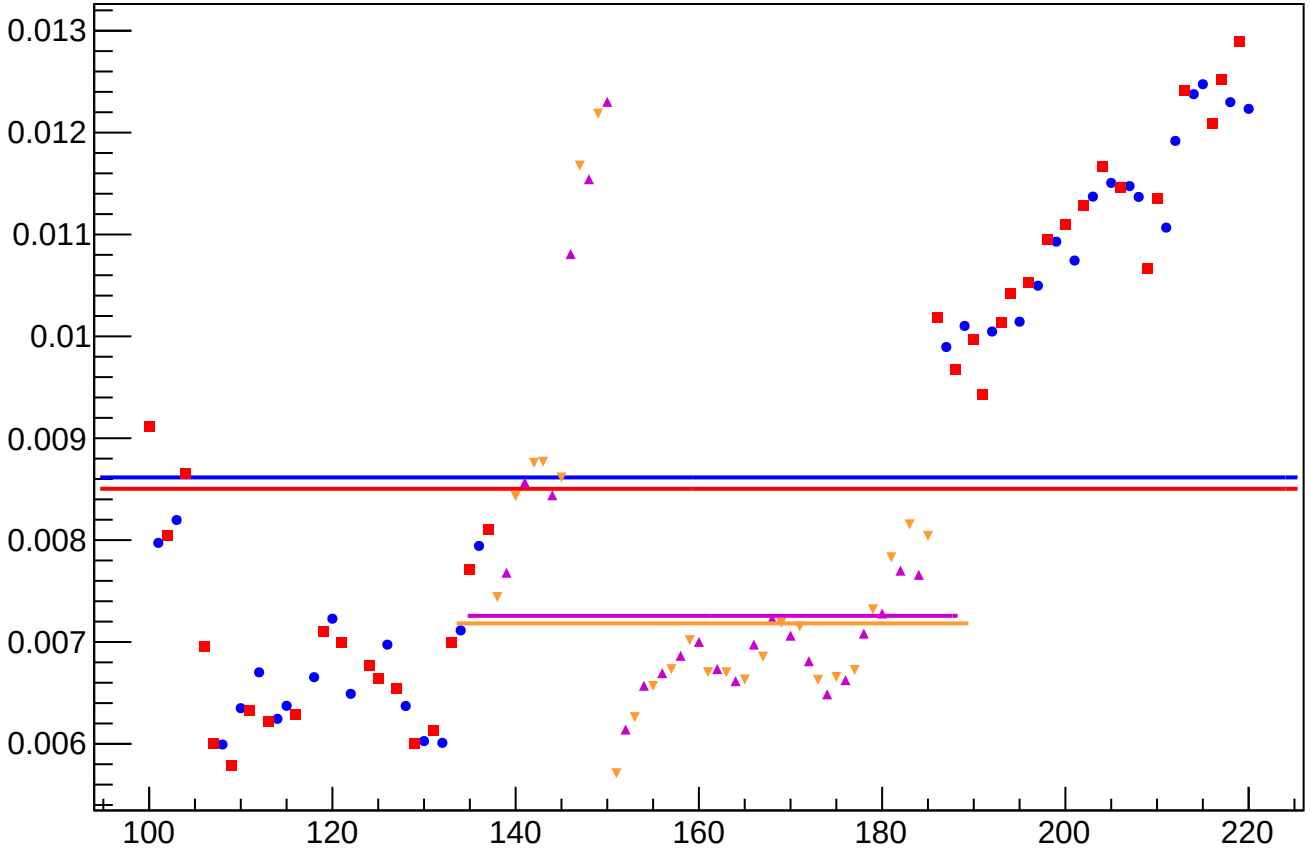
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.010+/-0.000 χ^2/NDF: 180589751422.9/57

All: 1.008+/-0.000 χ^2/NDF: 350170933231.2

- sign 1.006+/-0.000 χ^2/NDF: 169576845993.2/59

yield_bpm1i04X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 2766698.2/32

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 2847572.2/36

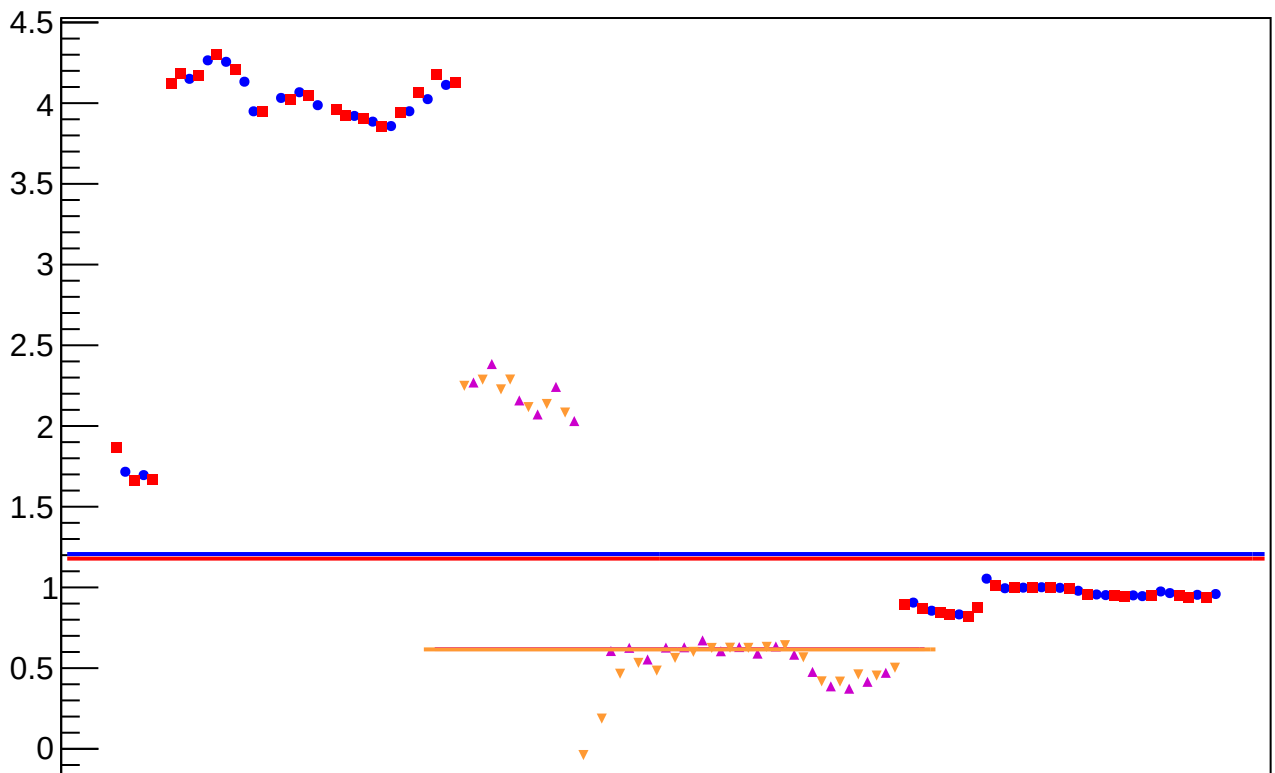
Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4283054.5/57

All: 0.008+/-0.000 χ^2/NDF: 8517179.3/117

- sign 0.008+/-0.000 χ^2/NDF: 4233472.5/59

yield_bpm1i04Y_mean vs Slug



Right In: 1.207+/-0.000 χ^2/NDF: 1656036421008.1/32

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.179+/-0.000 χ^2/NDF: 1813031691916.1/36

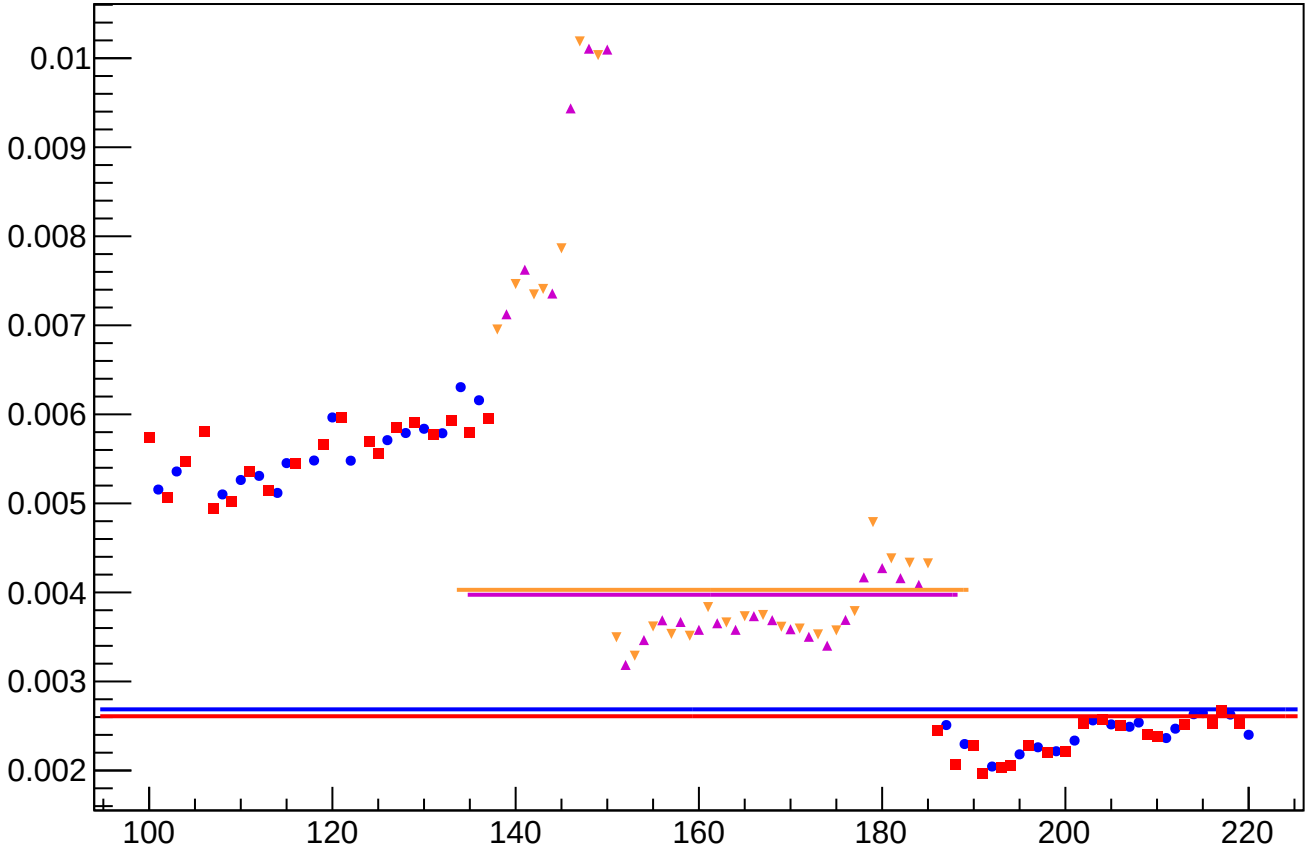
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.029+/-0.000 χ^2/NDF: 2165894824503.8/57

All: 1.026+/-0.000 χ^2/NDF: 4465744681029.

- sign 1.022+/-0.000 χ^2/NDF: 2299760250625.4/59

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4451930.3/32

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4716923.2/36

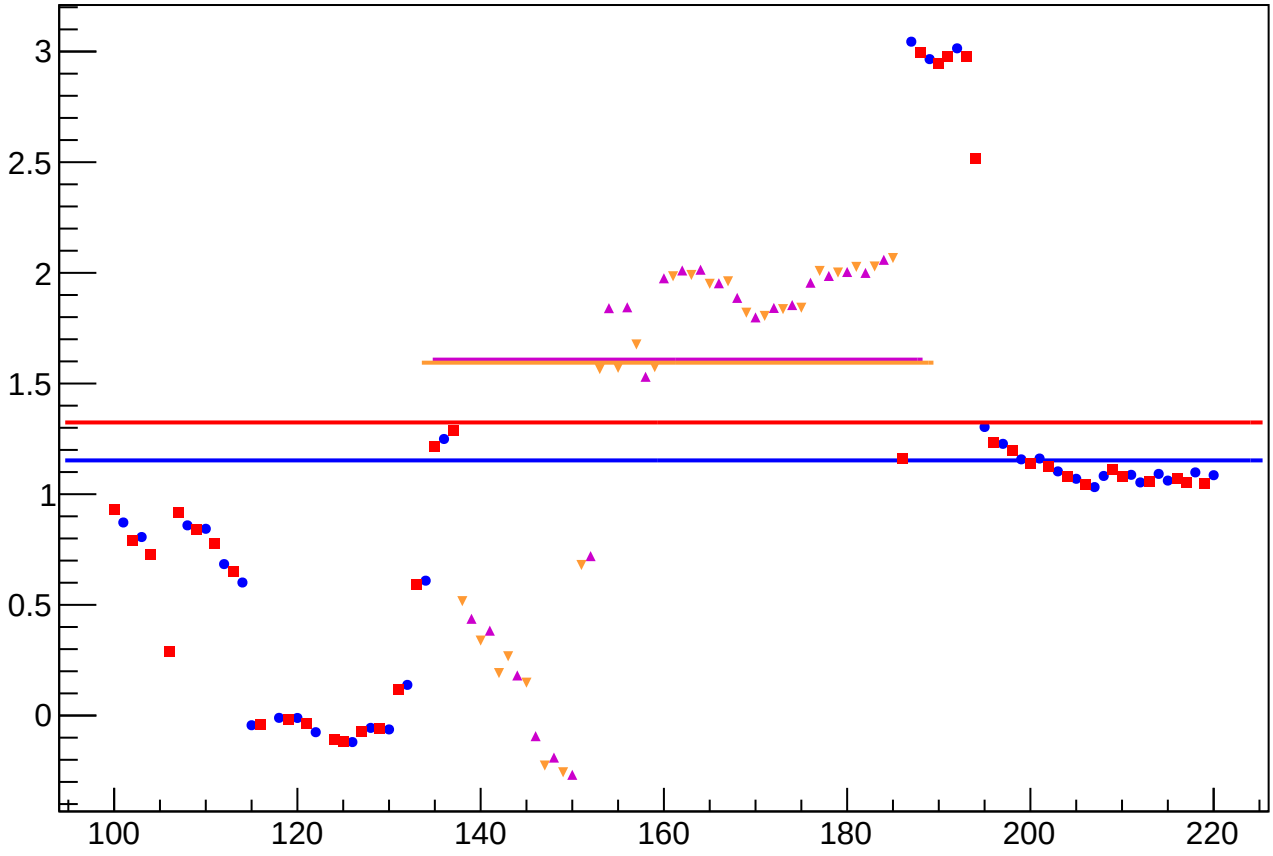
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 10080075.1/57

All: 0.003+/-0.000 χ^2/NDF: 20712309.6/117

- sign 0.003+/-0.000 χ^2/NDF: 10596178.7/59

yield_bpm1i06X_mean vs Slug



Right In: 1.153+/-0.000 χ^2/NDF: 77947495613.6/32

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.324+/-0.000 χ^2/NDF: 107823288008.4/36

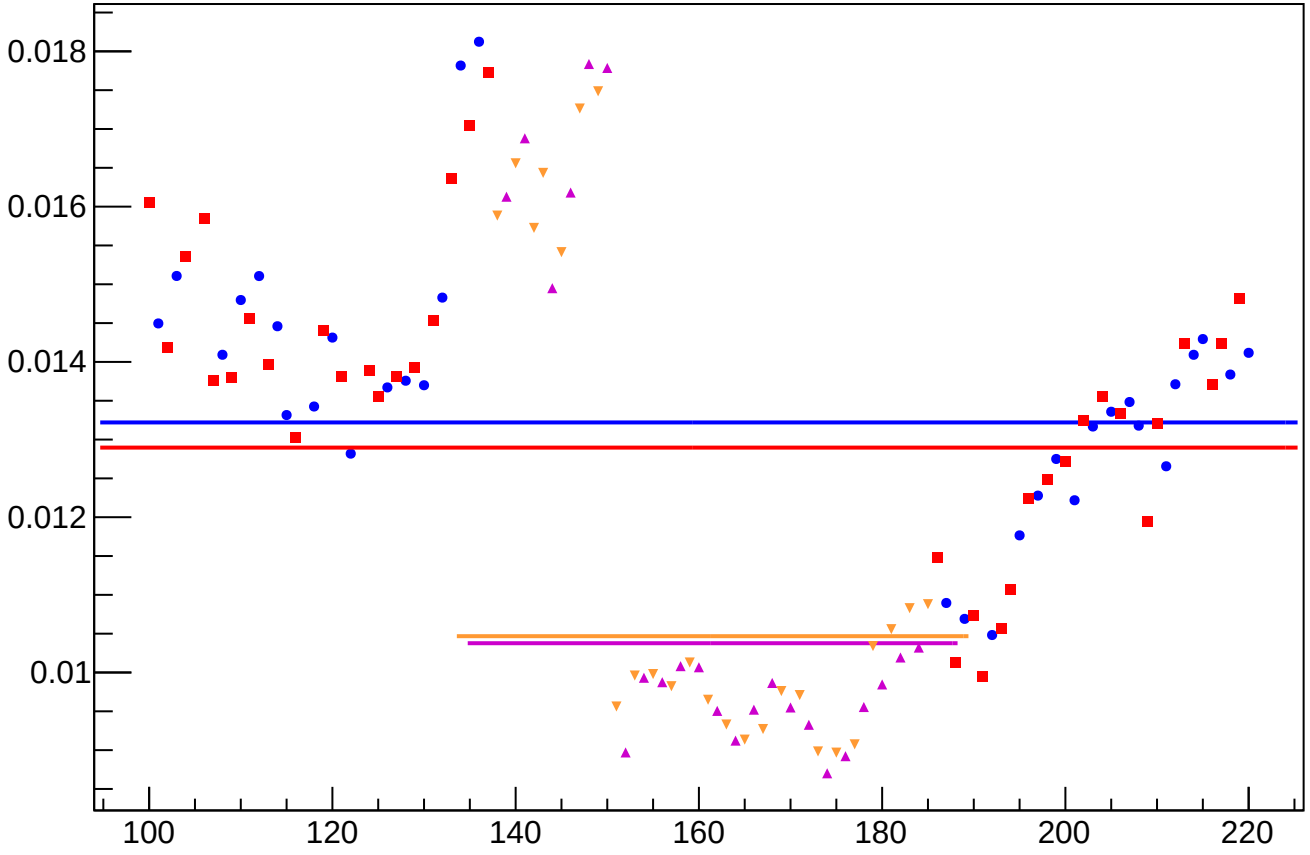
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.412+/-0.000 χ^2/NDF: 154014707763.9/57

All: 1.448+/-0.000 χ^2/NDF: 334646636828.8

- sign 1.484+/-0.000 χ^2/NDF: 179895922394.5/59

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 542959.9/32

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

Right Out: 0.013+/-0.000 χ^2/NDF: 688750.6/36

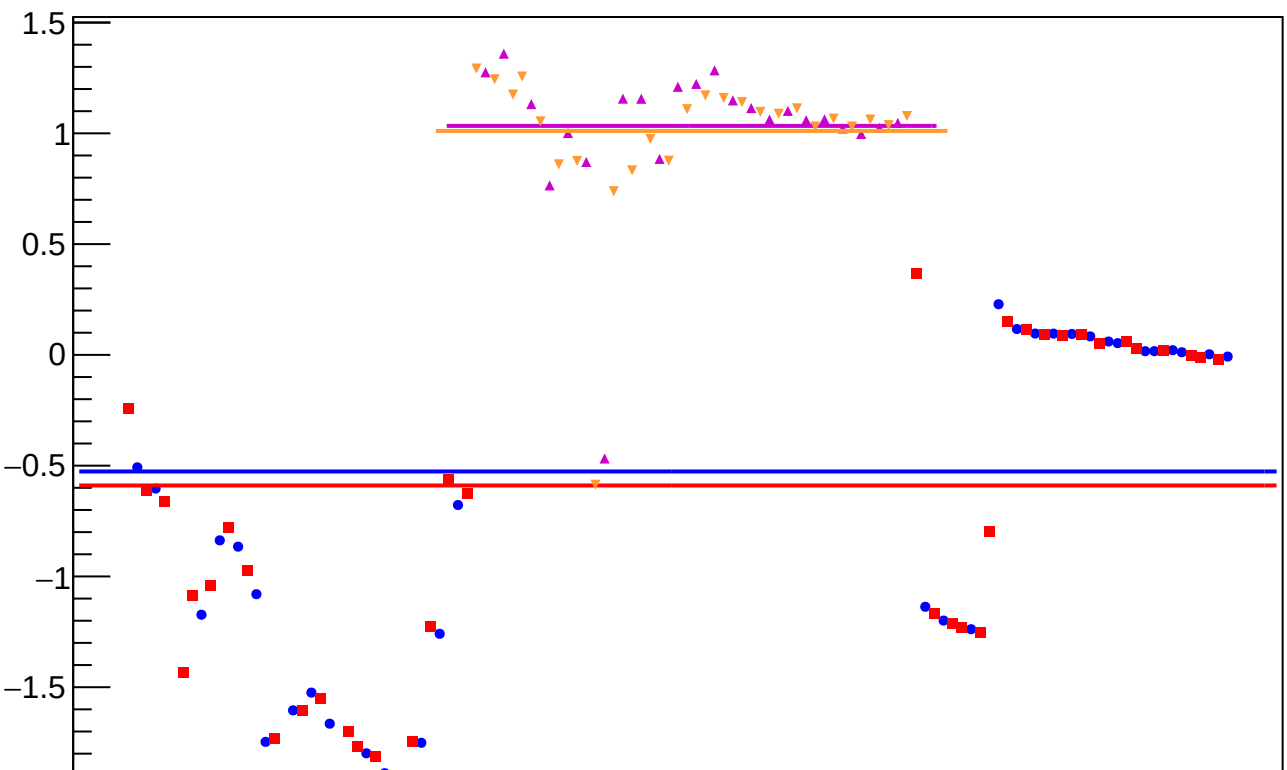
Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 3248737.1/57

All: 0.012+/-0.000 χ^2/NDF: 6545404.5/117

- sign 0.011+/-0.000 χ^2/NDF: 3292260.7/59

yield_bpm1i06Y_mean vs Slug



Right In: -0.526+/-0.000 χ^2/NDF: 222491638417.1/32

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.590+/-0.000 χ^2/NDF: 210204752852.4/36

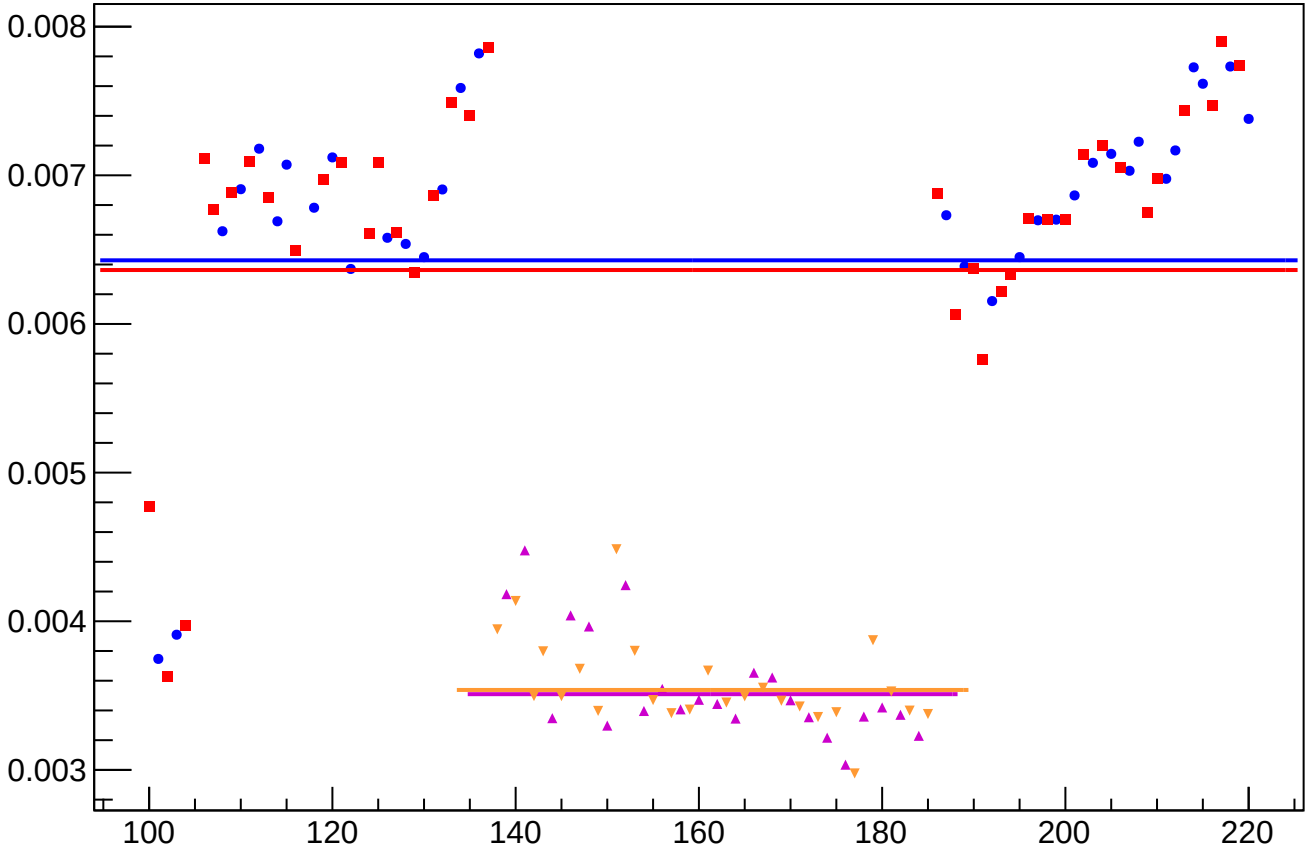
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.626+/-0.000 χ^2/NDF: 1165519843889.8/57

All: 0.614+/-0.000 χ^2/NDF: 2446085778353.

- sign 0.601+/-0.000 χ^2/NDF: 1280006465774.3/59

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1445578.9/32

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

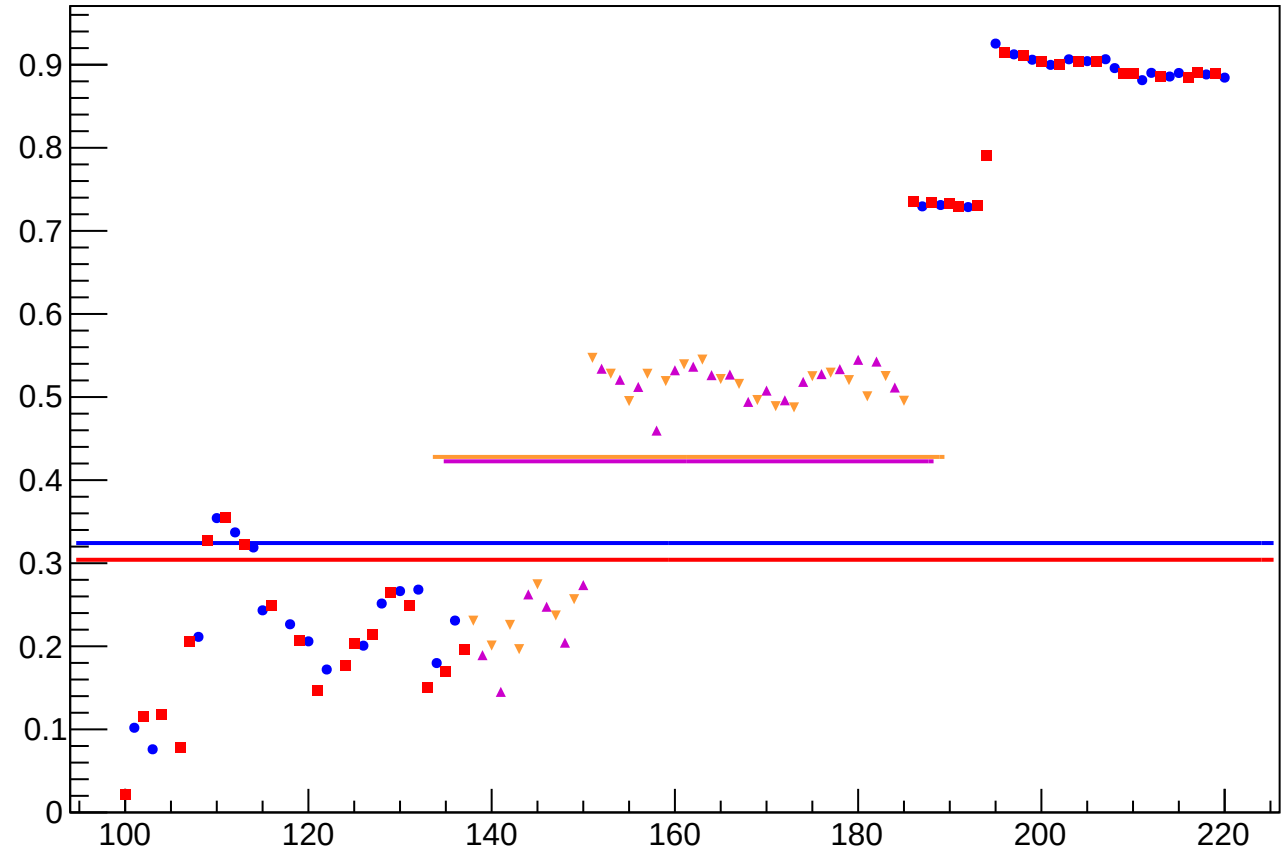
Right Out: 0.006+/-0.000 χ^2/NDF: 1460810.8/36

Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 7543459.8/57

All: 0.004+/-0.000 χ^2/NDF: 15126239.4/117

- sign 0.004+/-0.000 χ^2/NDF: 7582668.8/59



Right In: 0.324+/-0.000 χ^2/NDF: 259745220366.8/32

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.304+/-0.000 χ^2/NDF: 269881323533.4/36

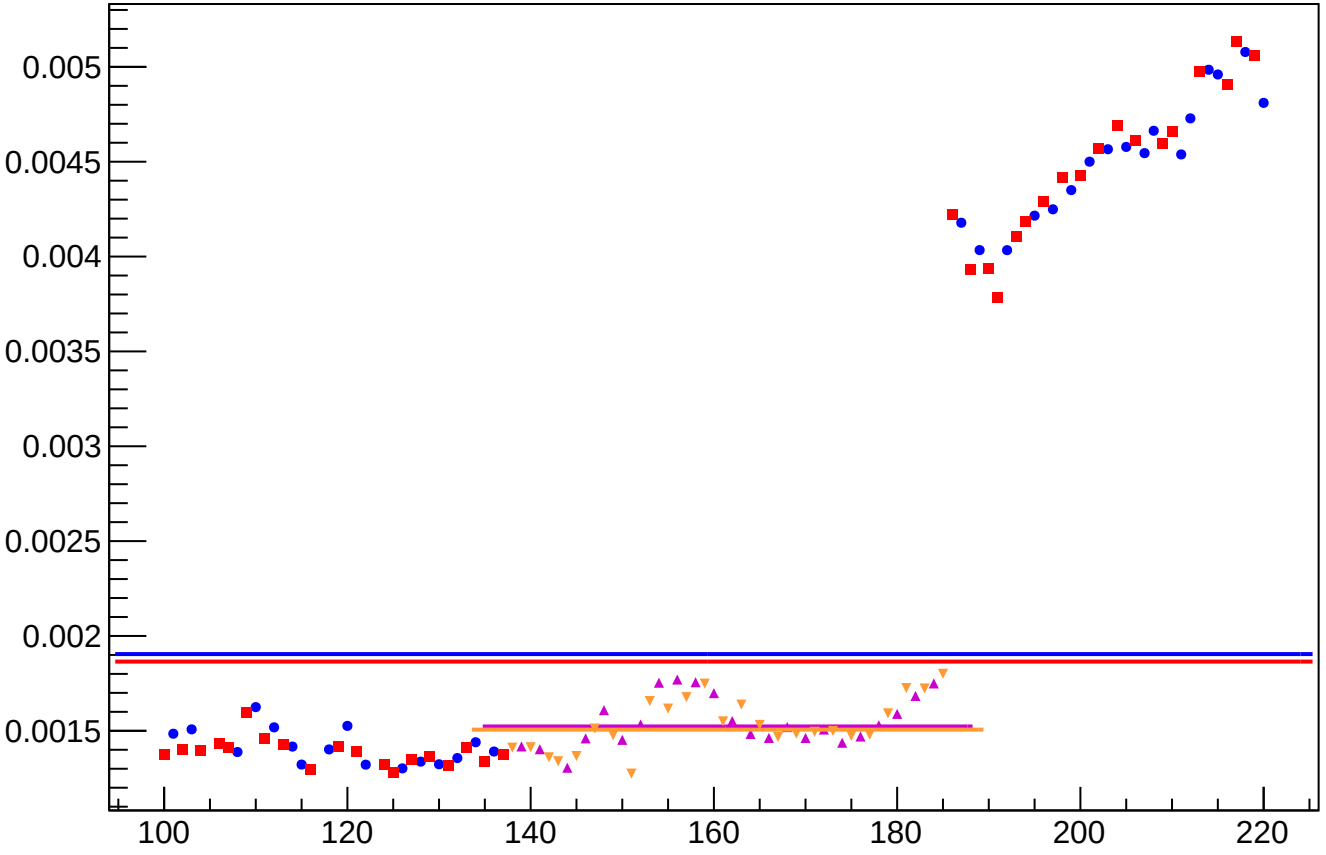
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.393+/-0.000 χ^2/NDF: 443546998055.9/57

All: 0.386+/-0.000 χ^2/NDF: 912720863454.3

- sign 0.379+/-0.000 χ^2/NDF: 467903963357.1/59

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 11054568.1/32

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

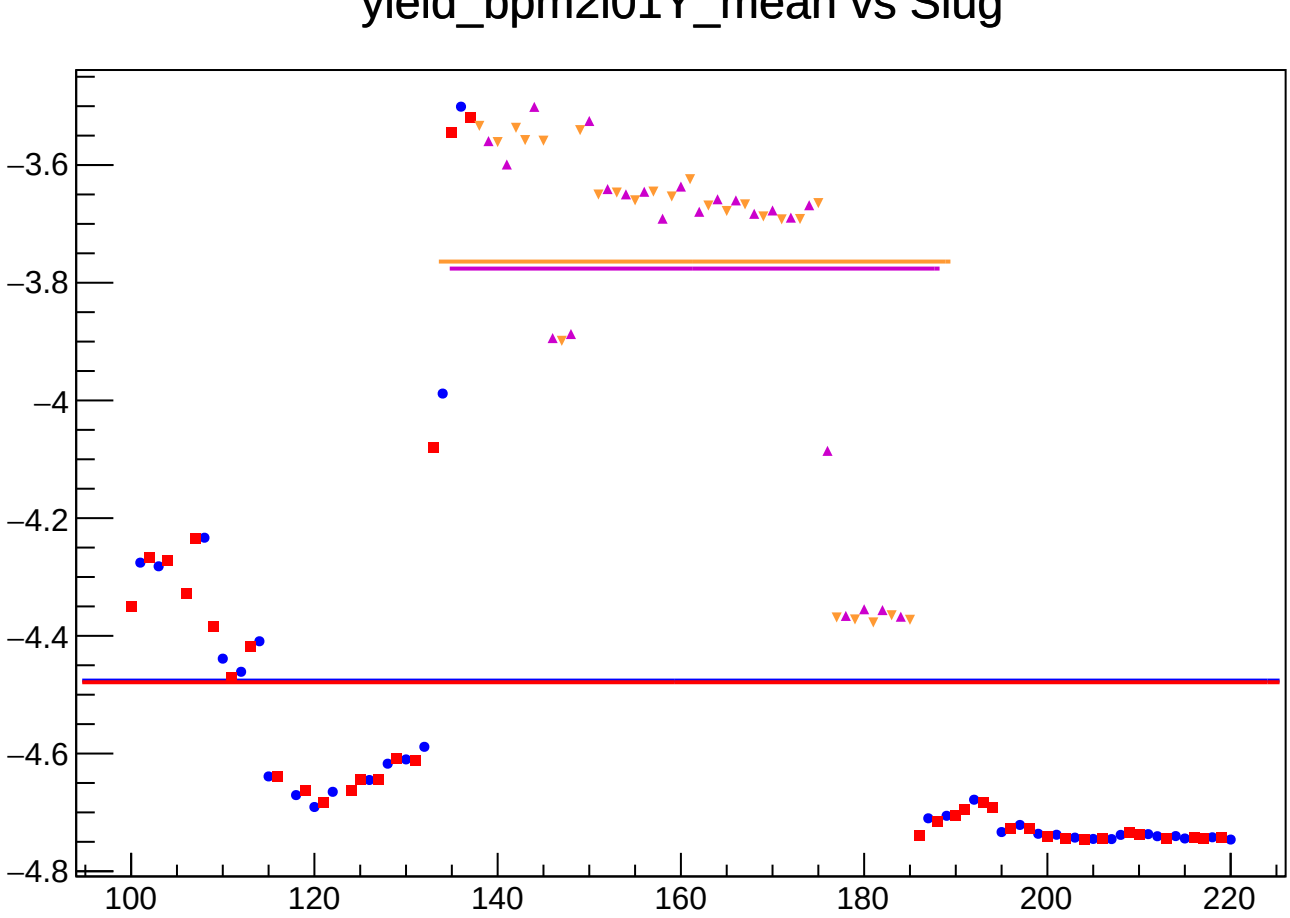
Right Out: 0.002+/-0.000 χ^2/NDF: 11307360.4/36

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 12218252.9/57

All: 0.002+/-0.000 χ^2/NDF: 24426053.4/117

- sign 0.002+/-0.000 χ^2/NDF: 12206624.2/59



Right In: -4.476+/-0.000 χ^2/NDF: 458372431578.2/32

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.479+/-0.000 χ^2/NDF: 403930252342.3/36

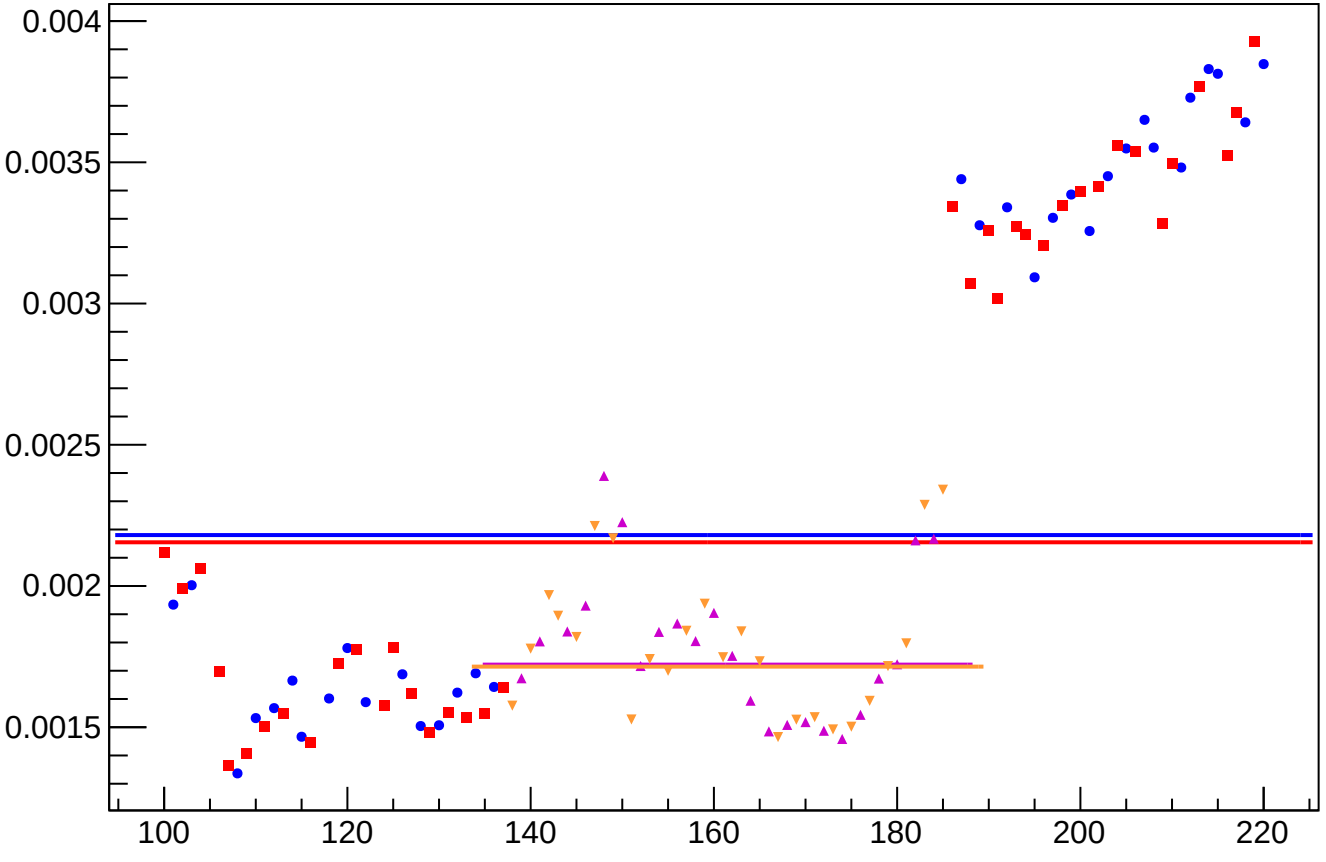
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -4.029+/-0.000 χ^2/NDF: 2131478423559.9/5

All: -4.043+/-0.000 χ^2/NDF: 411229654081

- sign -4.057+/-0.000 χ^2/NDF: 1976928528832.4/5

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5738902.1/32

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 5677881.4/36

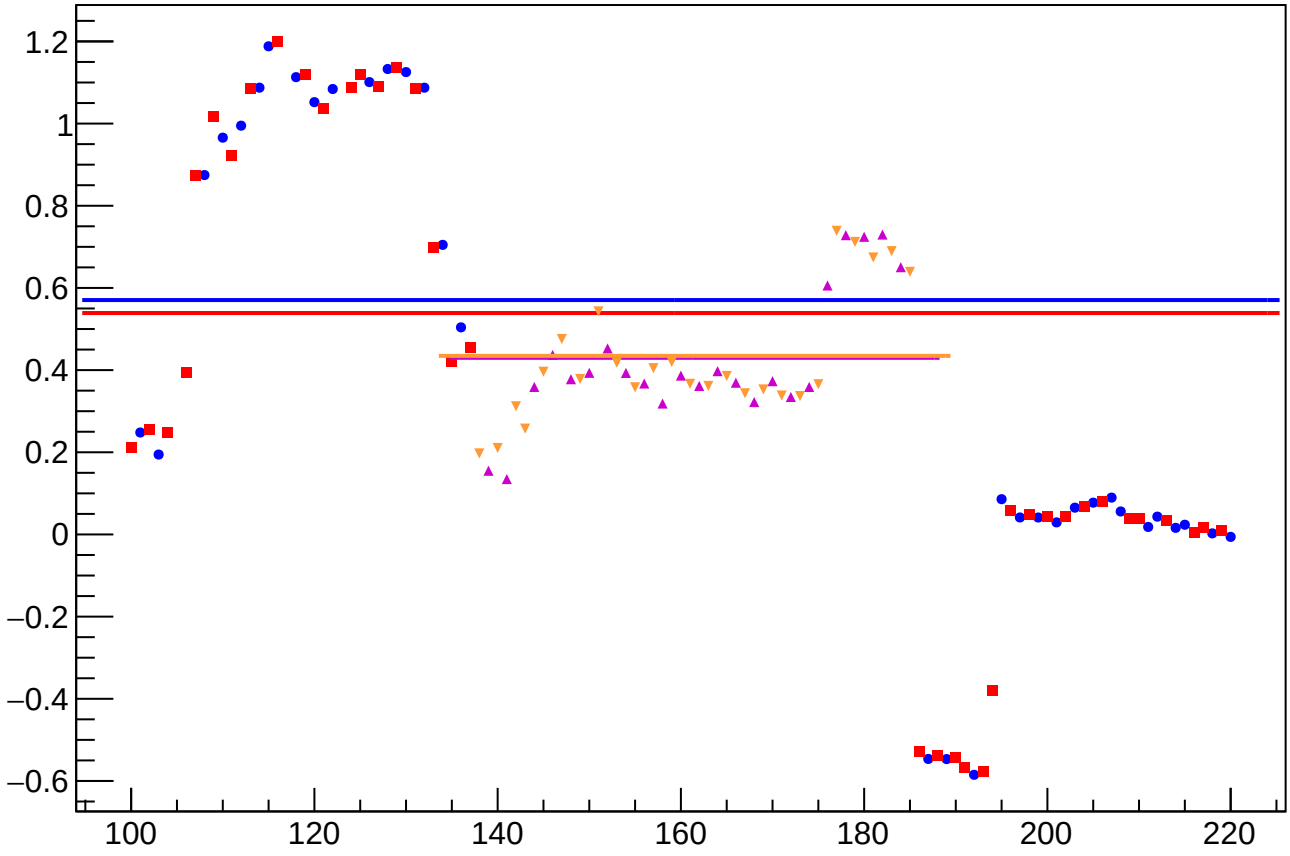
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 7319254.6/57

All: 0.002+/-0.000 χ^2/NDF: 14468201.1/117

- sign 0.002+/-0.000 χ^2/NDF: 7148476.5/59

yield_bpm2i02X_mean vs Slug



Right In: 0.570+/-0.000 χ^2/NDF: 79349703941.7/32

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.539+/-0.000 χ^2/NDF: 96034049389.7/36

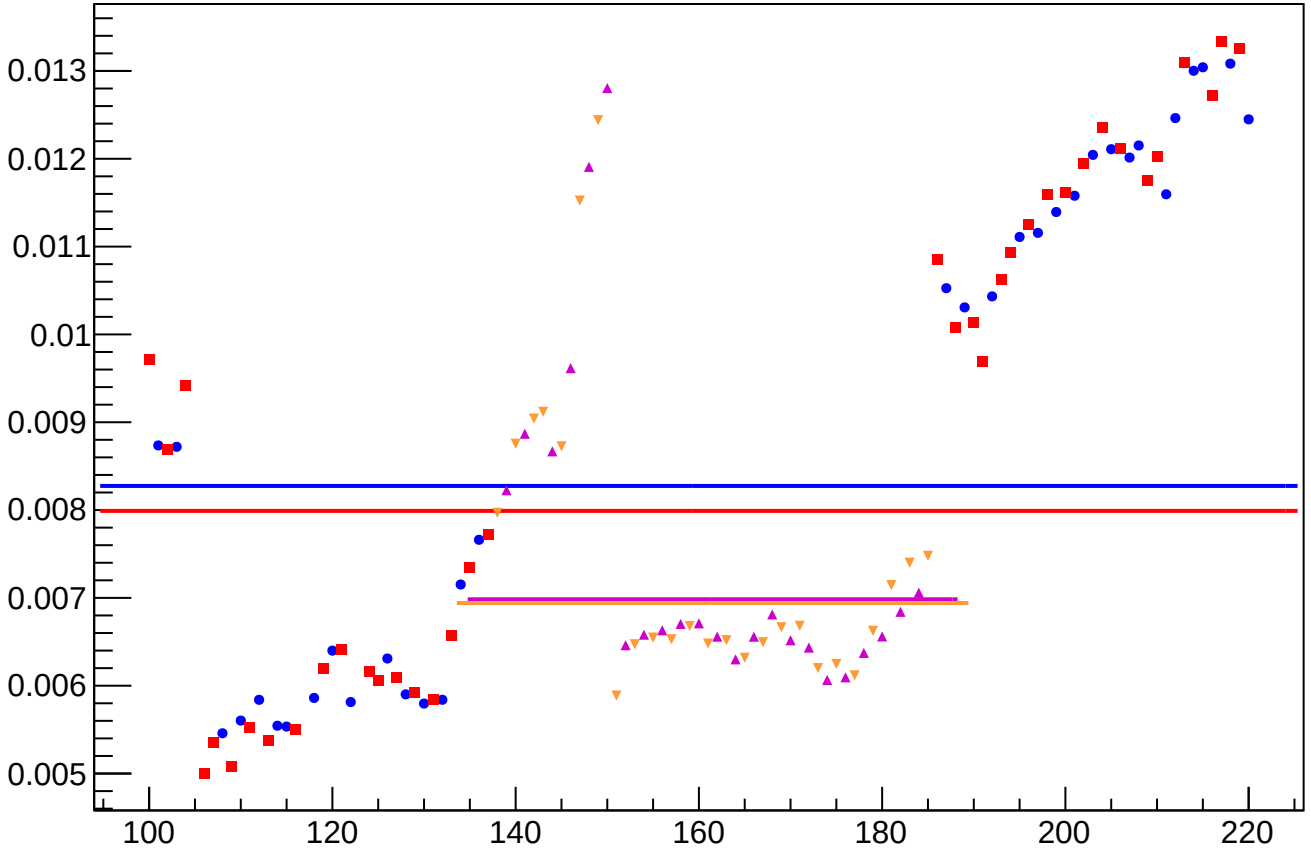
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.491+/-0.000 χ^2/NDF: 90825607082.7/57

All: 0.485+/-0.000 χ^2/NDF: 197890173388.1

- sign 0.479+/-0.000 χ^2/NDF: 107017914076.4/59

yield_bpm2i02X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 4231006.3/32

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

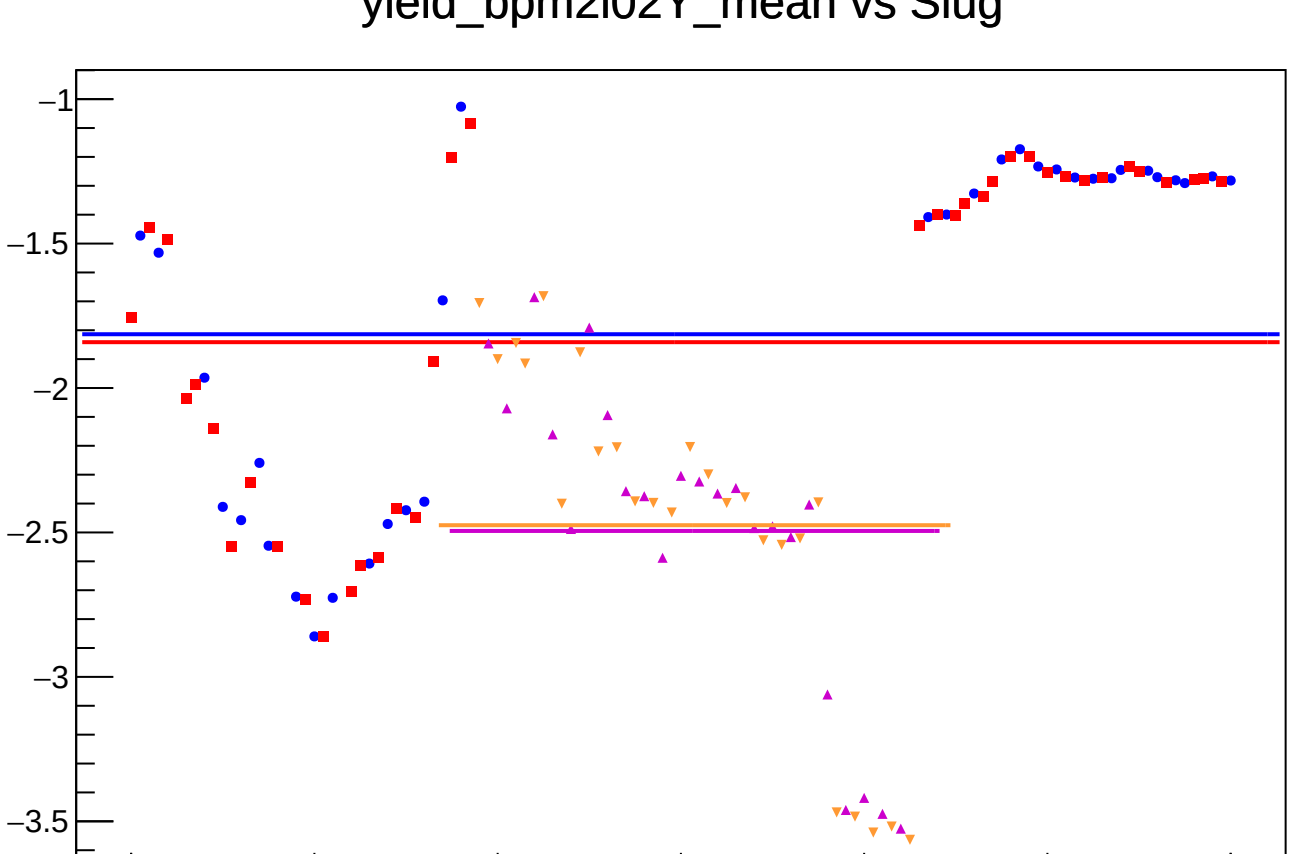
Right Out: 0.008+/-0.000 χ^2/NDF: 4739159.4/36

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 5892935.6/57

All: 0.007+/-0.000 χ^2/NDF: 12102002.3/117

- sign 0.007+/-0.000 χ^2/NDF: 6206996.2/59



Right In: -1.814+/-0.000 χ^2/NDF: 125130621571.9/32

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.841+/-0.000 χ^2/NDF: 122134299420.0/36

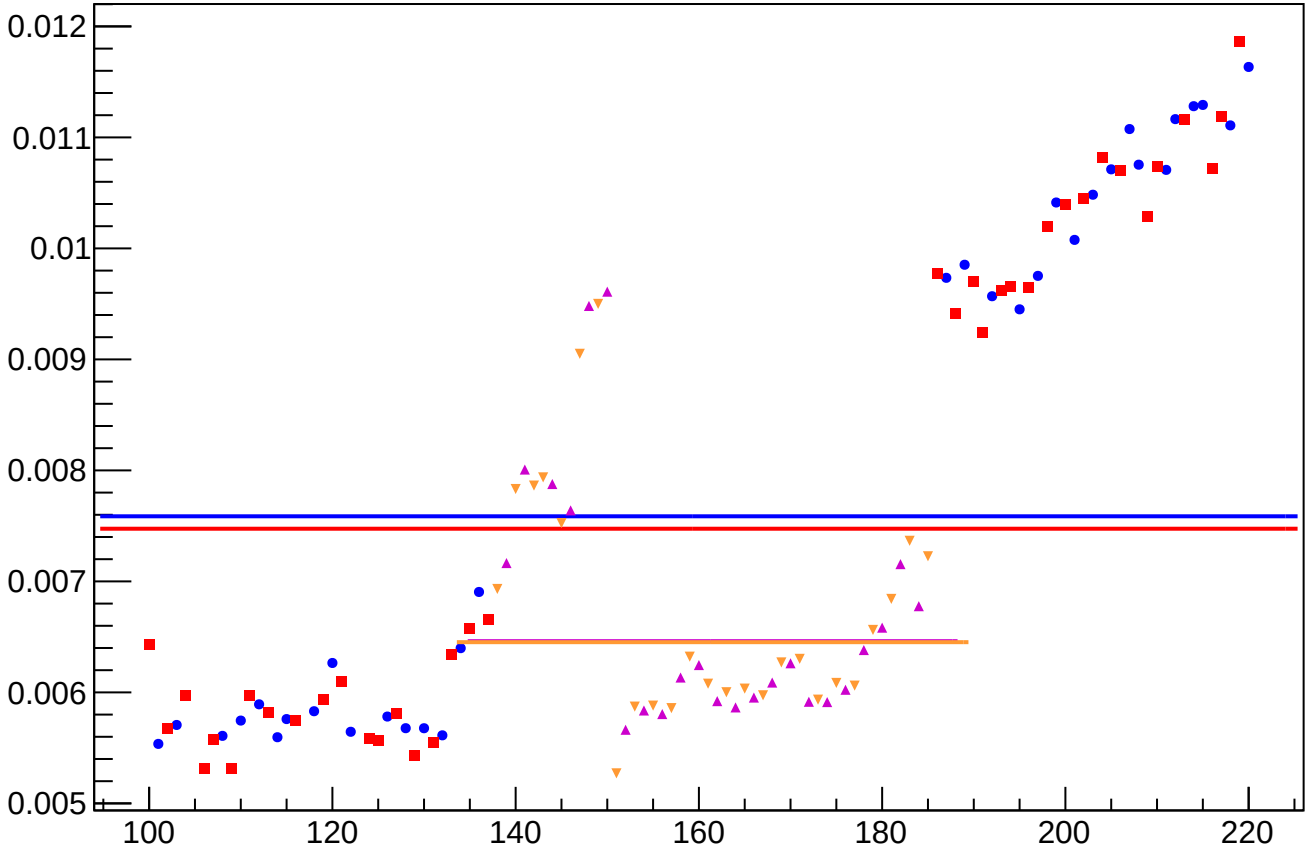
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.195+/-0.000 χ^2/NDF: 332218221879.4/57

All: -2.197+/-0.000 χ^2/NDF: 633849430706.

- sign -2.200+/-0.000 χ^2/NDF: 301621791802.9/59

yield_bpm2i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3542711.3/32

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

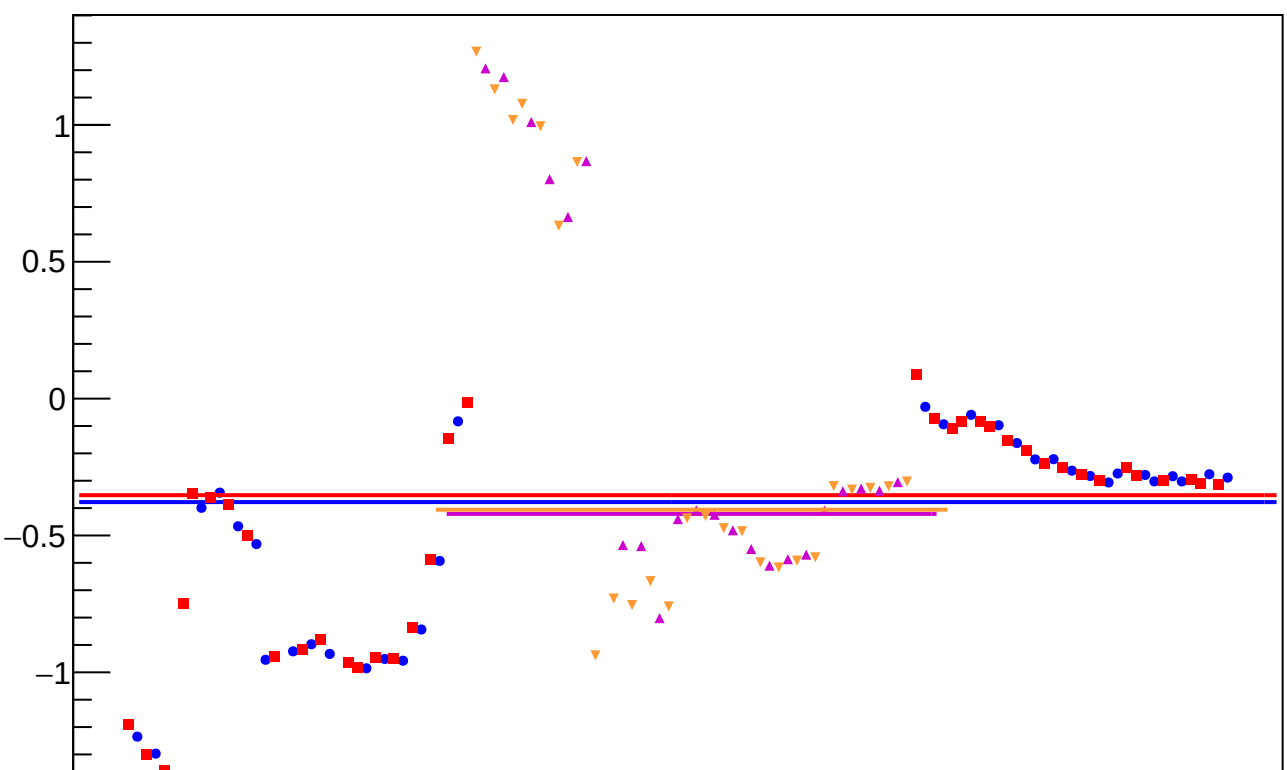
Right Out: 0.007+/-0.000 χ^2/NDF: 3531740.4/36

Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 4751072.2/57

All: 0.007+/-0.000 χ^2/NDF: 9401160.2/117

- sign 0.007+/-0.000 χ^2/NDF: 4649933.9/59



Right In: -0.378+/-0.000 χ^2/NDF: 24851726120.2/32

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.353+/-0.000 χ^2/NDF: 27377182395.5/36

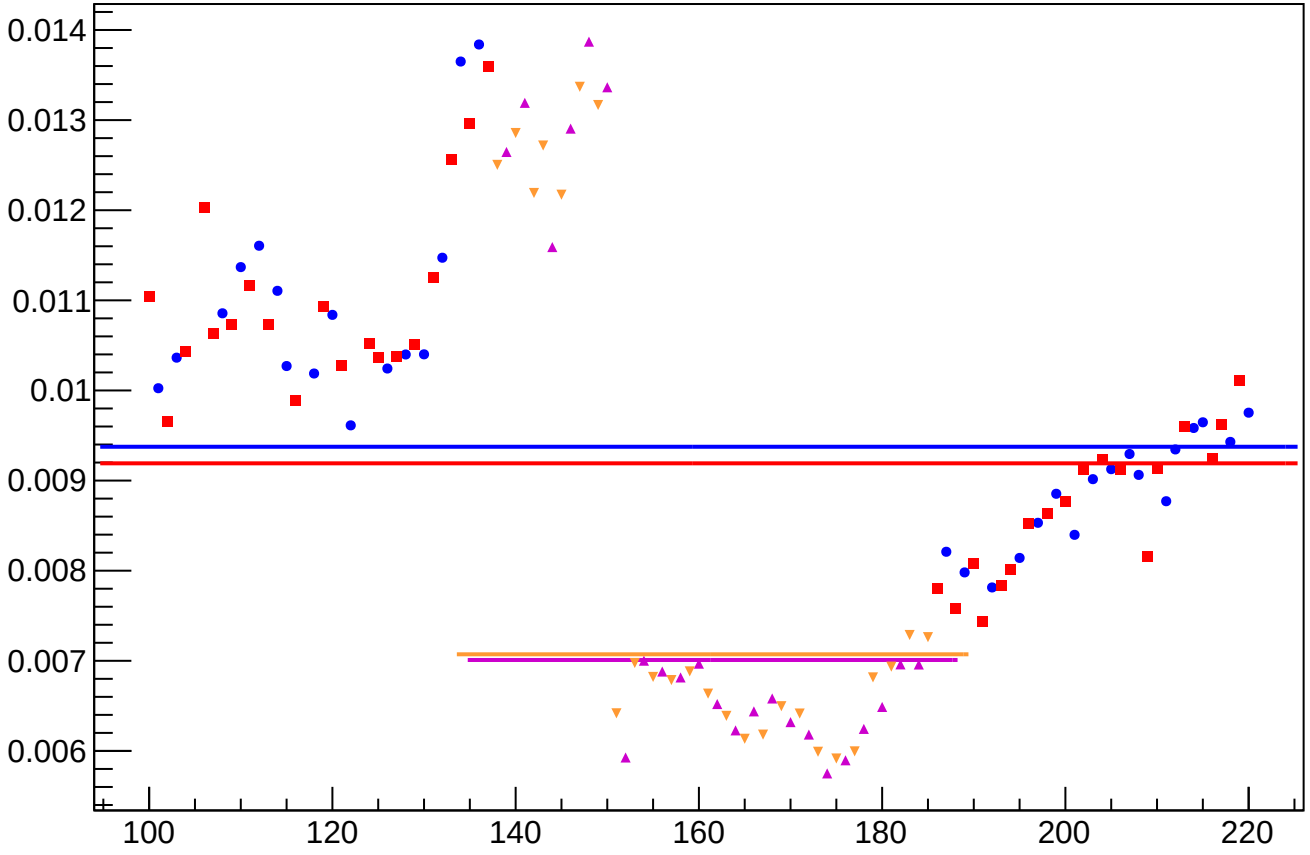
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.395+/-0.000 χ^2/NDF: 106594930327.4/57

All: -0.394+/-0.000 χ^2/NDF: 224883536237.3

- sign -0.393+/-0.000 χ^2/NDF: 118286963203.1/59

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 641309.6/32

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

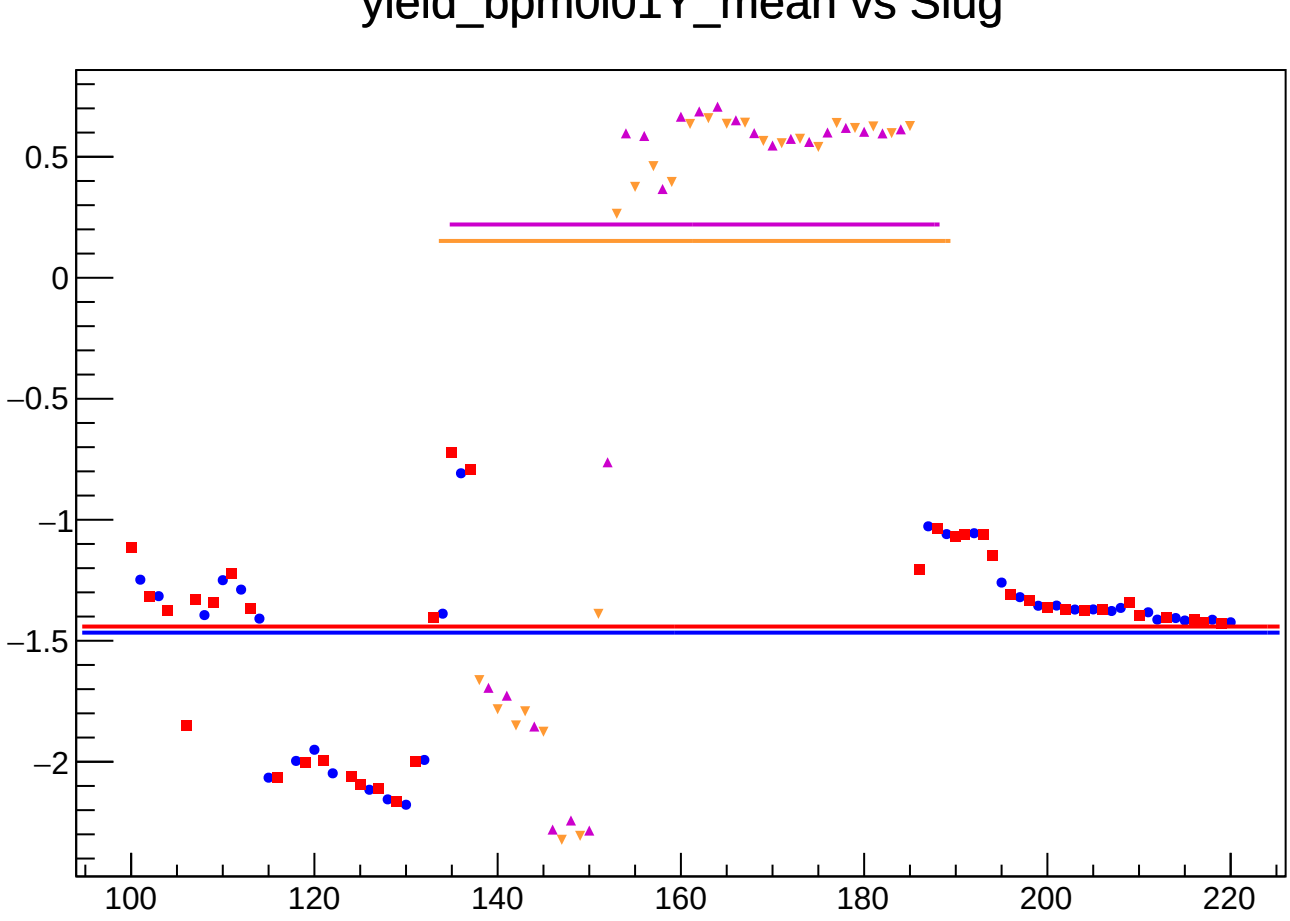
Right Out: 0.009+/-0.000 χ^2/NDF: 722612.9/36

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4513351.0/57

All: 0.008+/-0.000 χ^2/NDF: 9053984.7/117

- sign 0.008+/-0.000 χ^2/NDF: 4538550.5/59



Right In: -1.466+/-0.000 χ^2/NDF: 184036256372.4/32

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.441+/-0.000 χ^2/NDF: 172718514427.3/36

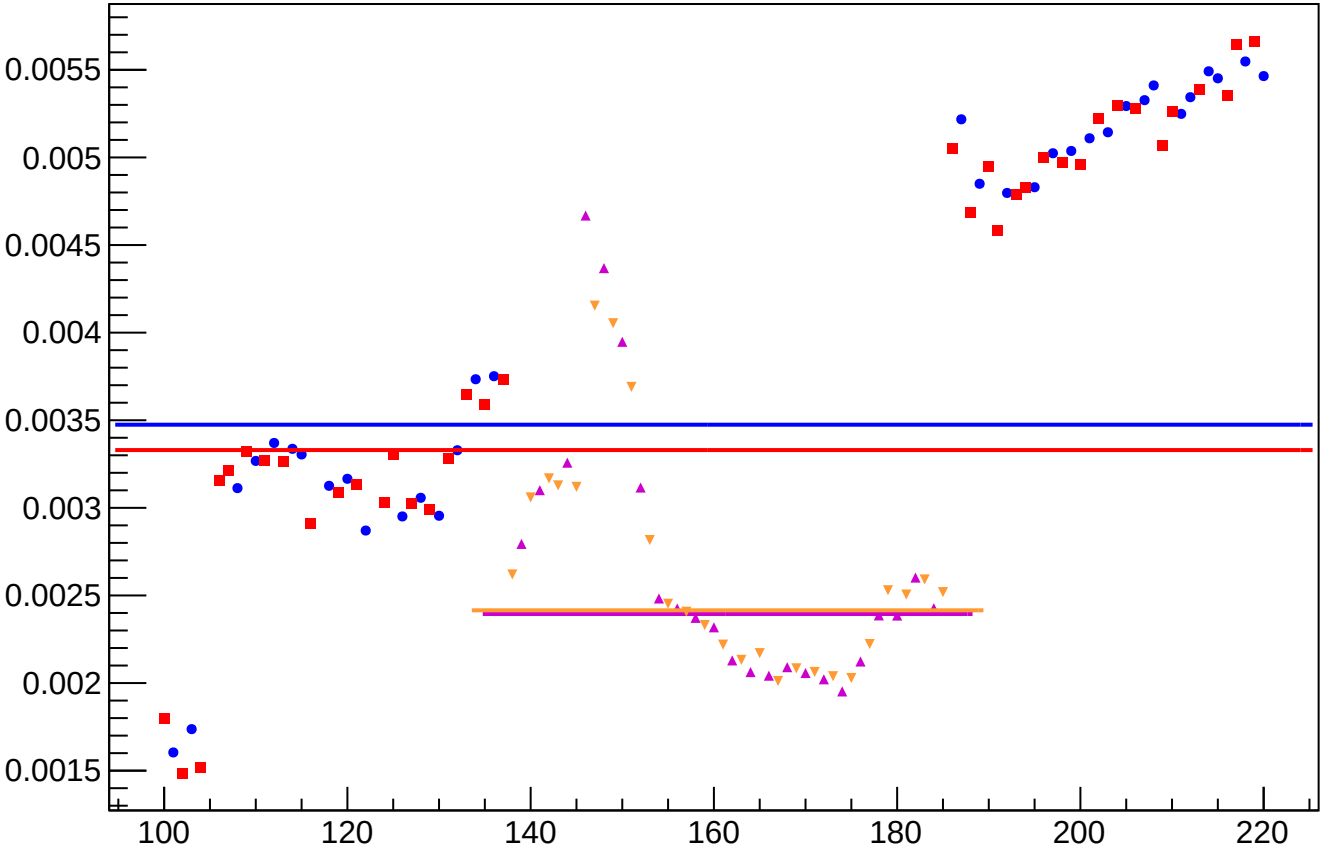
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.378+/-0.000 χ^2/NDF: 5093447497627.3/5

All: -0.374+/-0.000 χ^2/NDF: 1012725341405

- sign -0.371+/-0.000 χ^2/NDF: 5033708380473.4/5

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 5749516.1/32

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

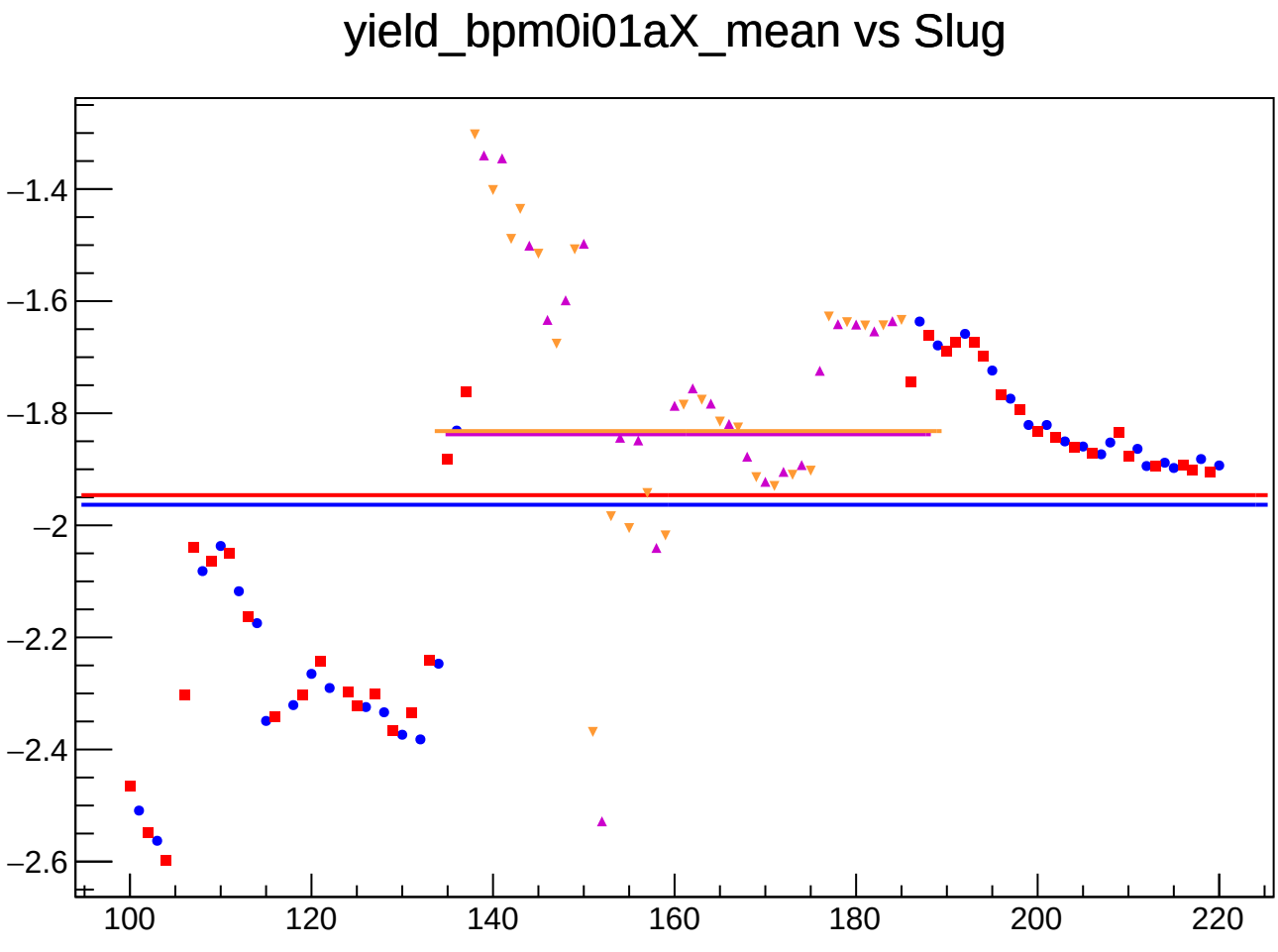
Right Out: 0.003+/-0.000 χ^2/NDF: 6657035.9/36

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 9120906.4/57

All: 0.003+/-0.000 χ^2/NDF: 18930393.5/117

- sign 0.003+/-0.000 χ^2/NDF: 9804176.4/59



Right In: -1.963+/-0.000 χ^2/NDF: 34399266786.1/32

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.946+/-0.000 χ^2/NDF: 38137914547.5/36

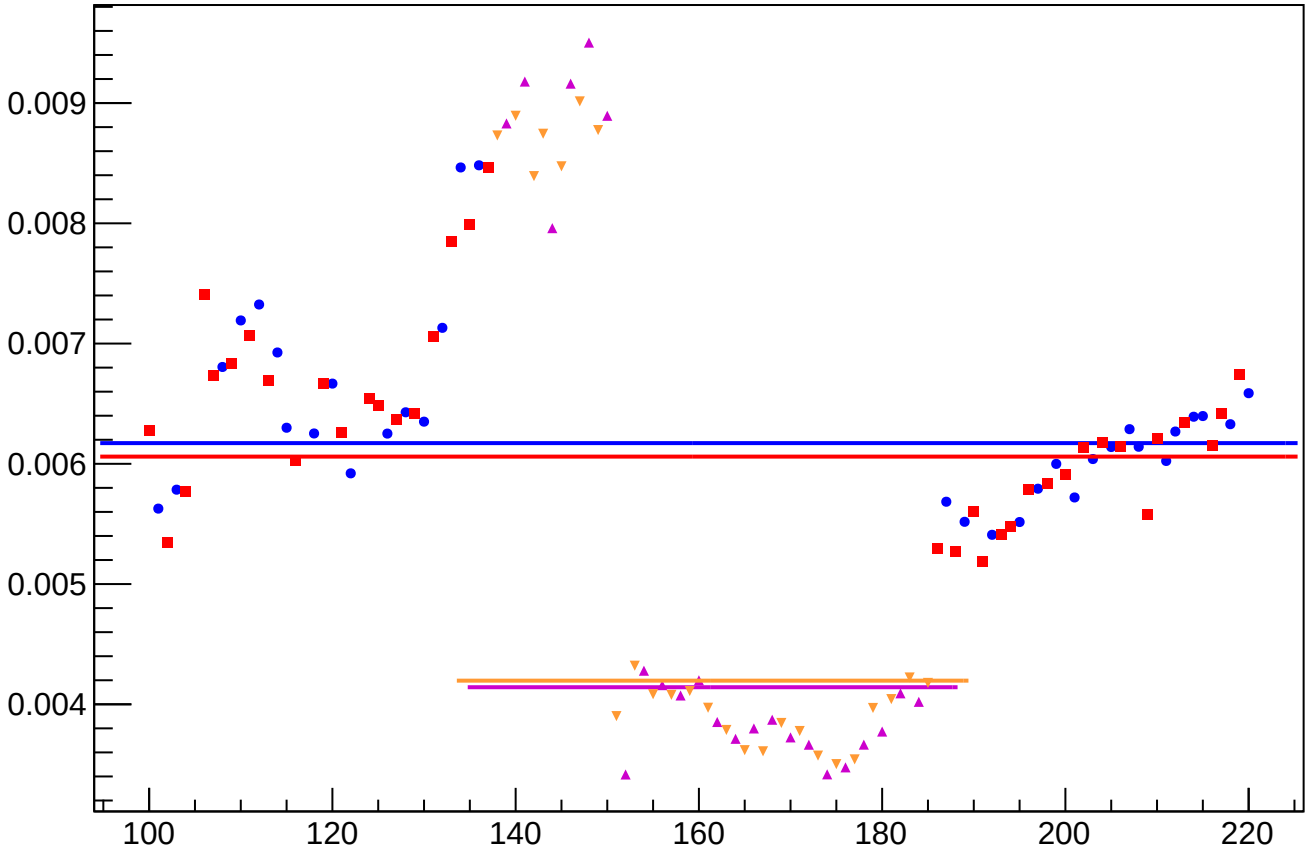
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.878+/-0.000 χ^2/NDF: 78729918753.9/57

All: -1.878+/-0.000 χ^2/NDF: 174464618233.3

- sign -1.878+/-0.000 χ^2/NDF: 95734697740.7/59

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 382519.6/32

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 421651.8/36

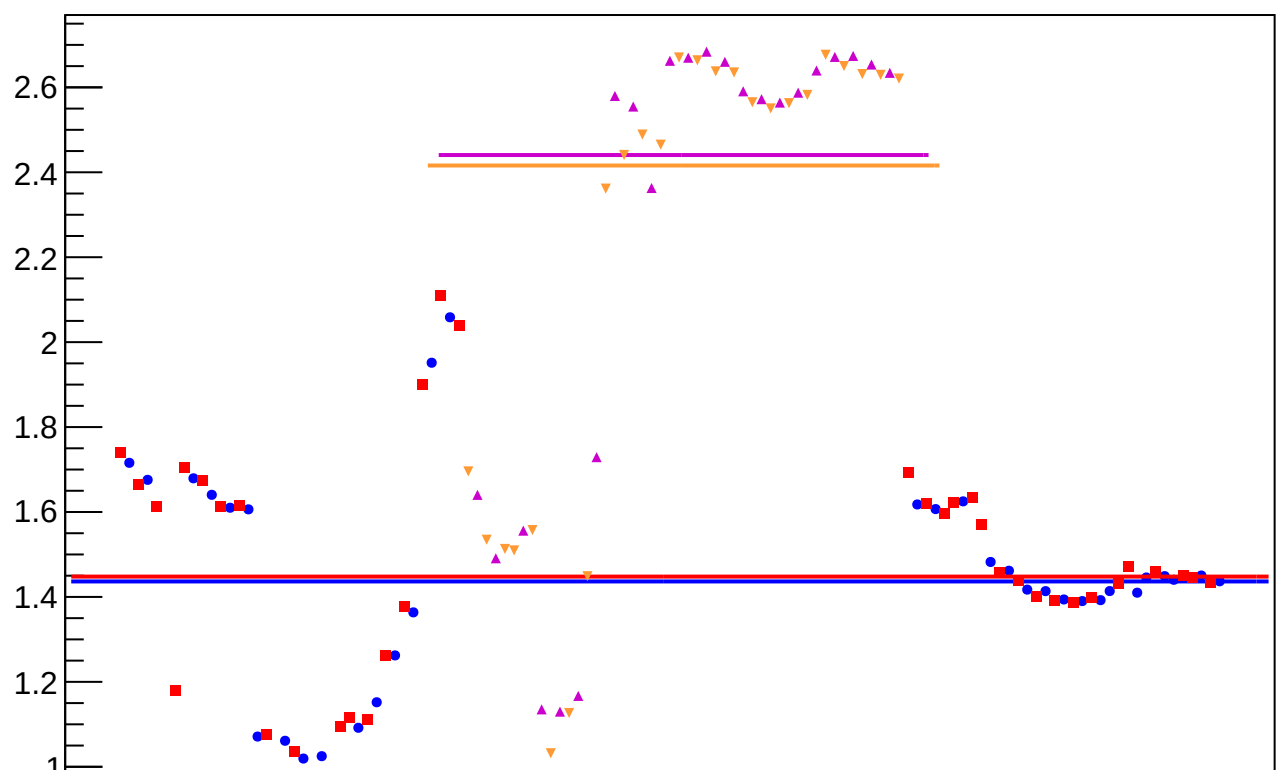
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 6168307.0/57

All: 0.005+/-0.000 χ^2/NDF: 12383171.6/117

- sign 0.005+/-0.000 χ^2/NDF: 6213147.0/59

yield_bpm0i01aY_mean vs Slug



Right In: 1.436+/-0.000 χ^2/NDF: 191510708010.7/32

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

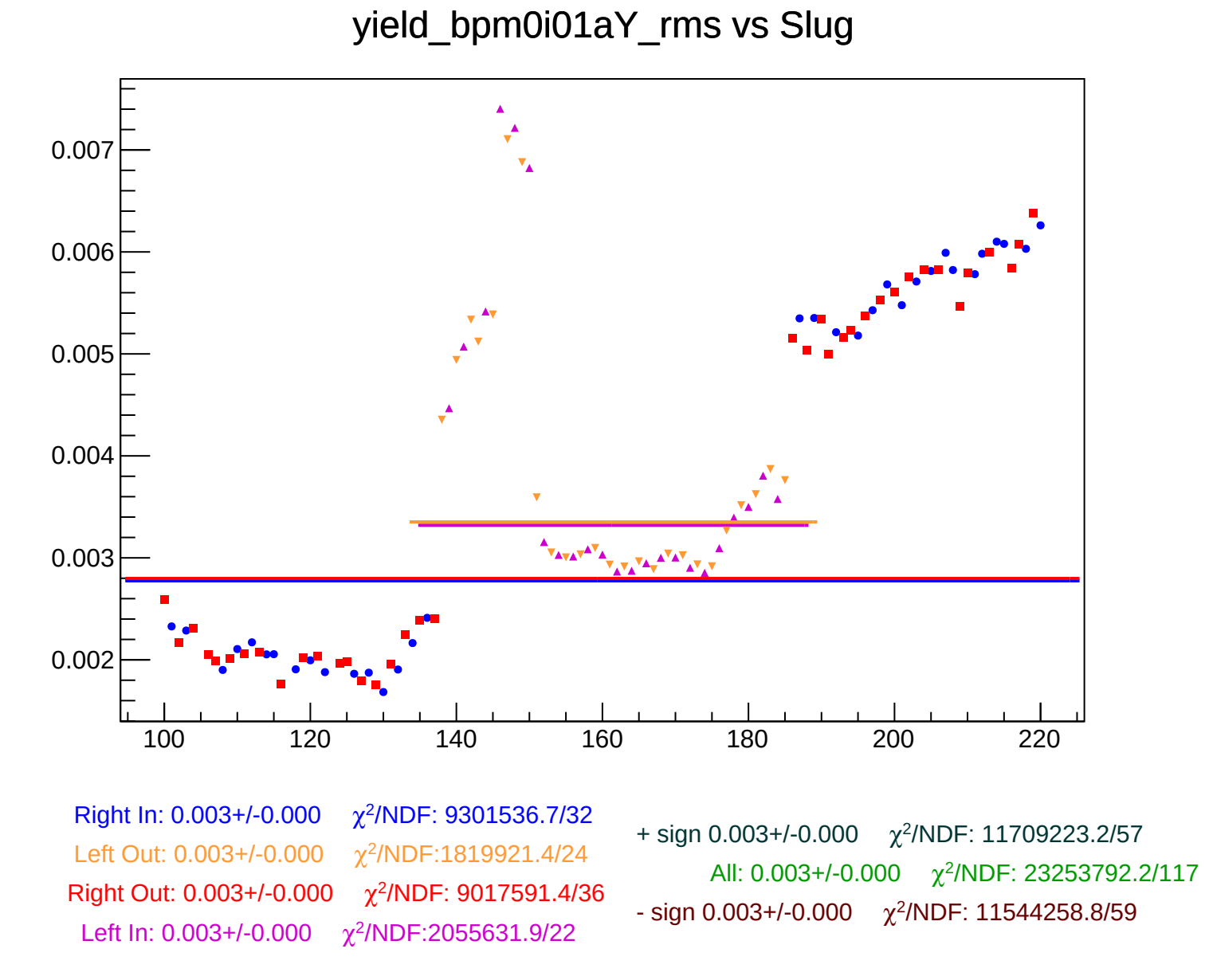
Right Out: 1.448+/-0.000 χ^2/NDF: 186655480416.9/36

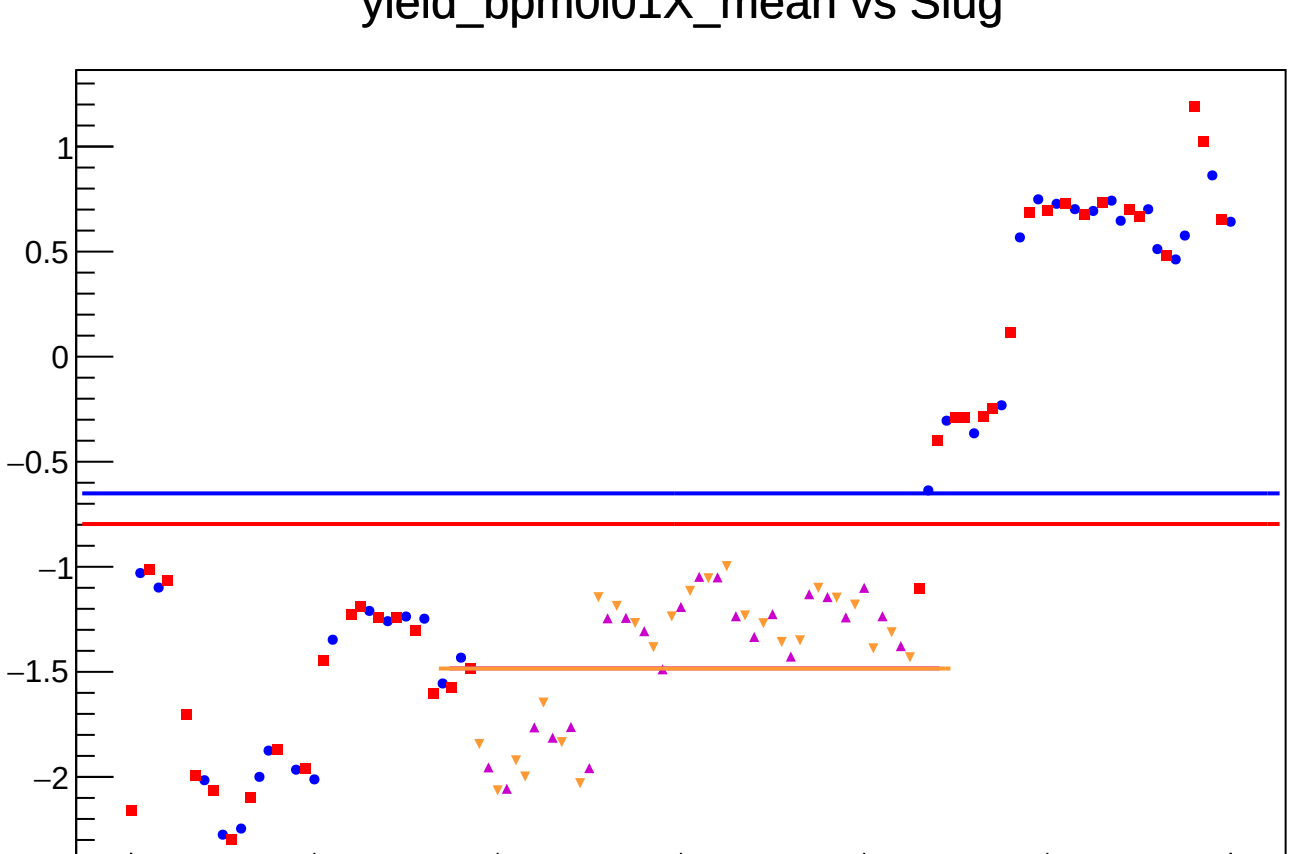
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.859+/-0.000 χ^2/NDF: 1280956690859.1/57

All: 1.860+/-0.000 χ^2/NDF: 2551778123841.

- sign 1.861+/-0.000 χ^2/NDF: 1270814957278.6/59


yield_bpm0i01aY_rms vs Slug
0.007
0.006
0.005
0.004
0.003
0.002
100
120
140
160
180
200
220
Right In: 0.003+/-0.000 χ²/NDF: 9301536.7/32
Left Out: 0.003+/-0.000 χ²/NDF:1819921.4/24
Right Out: 0.003+/-0.000 χ²/NDF: 9017591.4/36
Left In: 0.003+/-0.000 χ²/NDF:2055631.9/22
+ sign 0.003+/-0.000 χ²/NDF: 11709223.2/57
All: 0.003+/-0.000 χ²/NDF: 23253792.2/117
- sign 0.003+/-0.000 χ²/NDF: 11544258.8/59



Right In: -0.651+/-0.000 χ^2/NDF: 275857152550.5/32

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -0.796+/-0.000 χ^2/NDF: 314680494926.5/36

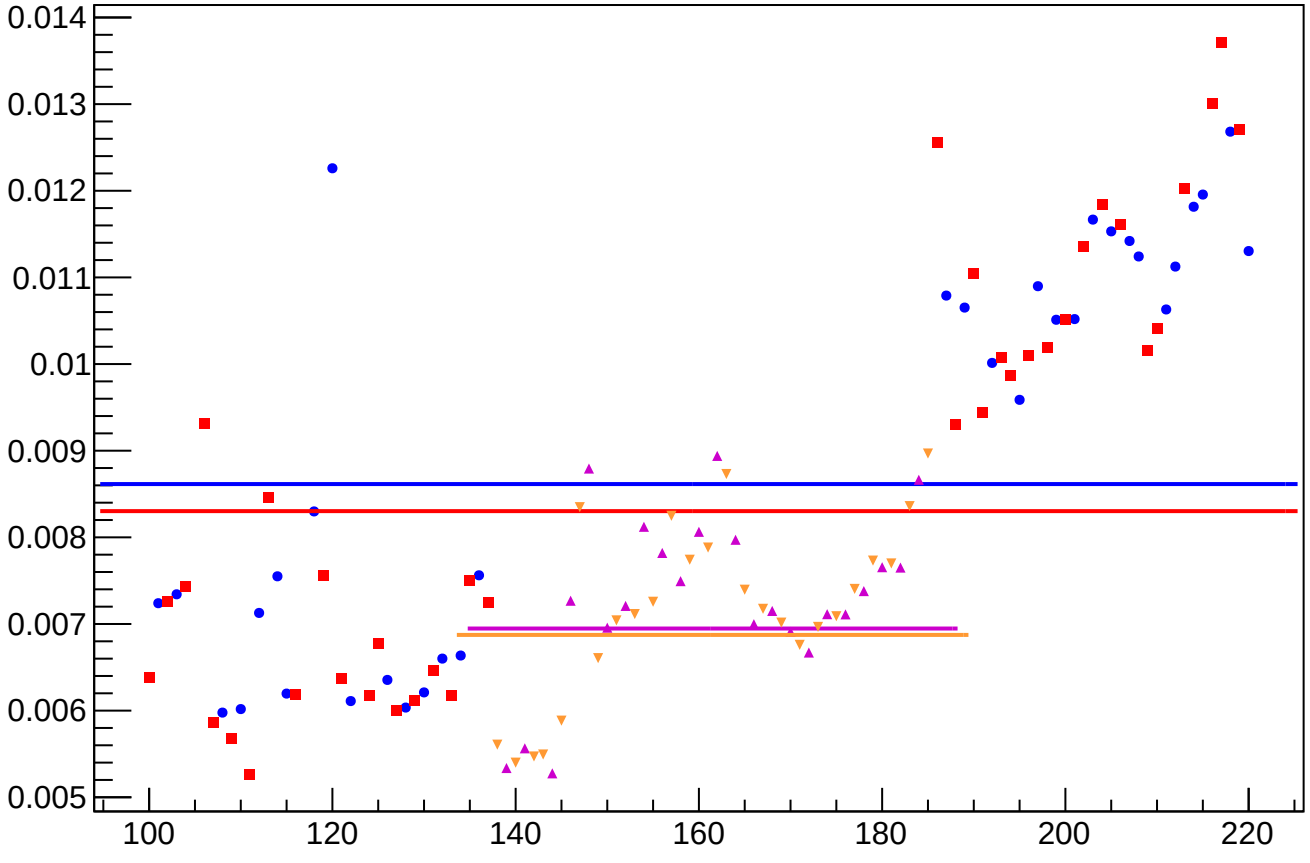
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.154+/-0.000 χ^2/NDF: 429851237739.0/57

All: -1.168+/-0.000 χ^2/NDF: 858207583849.6

- sign -1.182+/-0.000 χ^2/NDF: 428109614523.6/59

yield_bpm0l01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 2589625.7/32

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

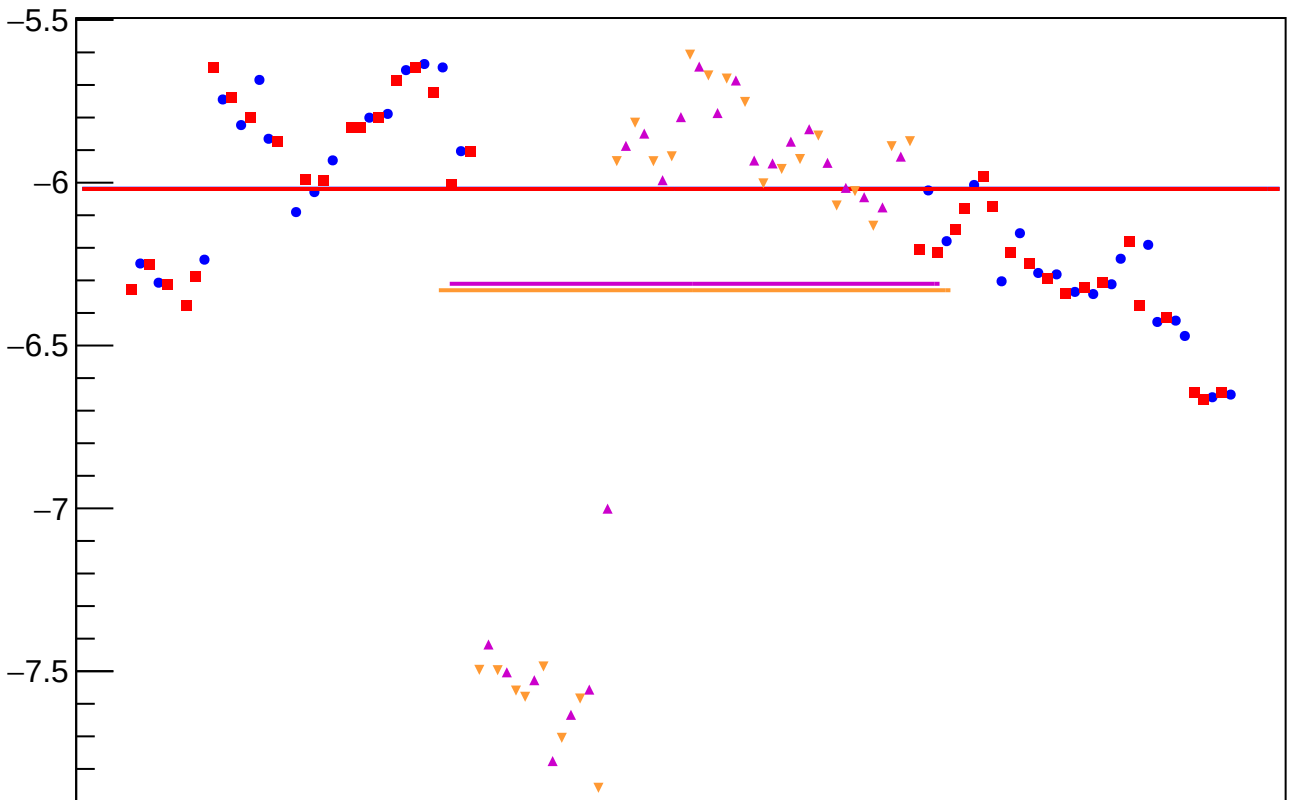
Right Out: 0.008+/-0.000 χ^2/NDF: 3066582.4/36

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4256125.0/57

All: 0.008+/-0.000 χ^2/NDF: 8638420.7/117

- sign 0.008+/-0.000 χ^2/NDF: 4382003.0/59



Right In: -6.019+/-0.000 χ^2/NDF: 21385106411.6/32

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -6.019+/-0.000 χ^2/NDF: 21938421647.7/36

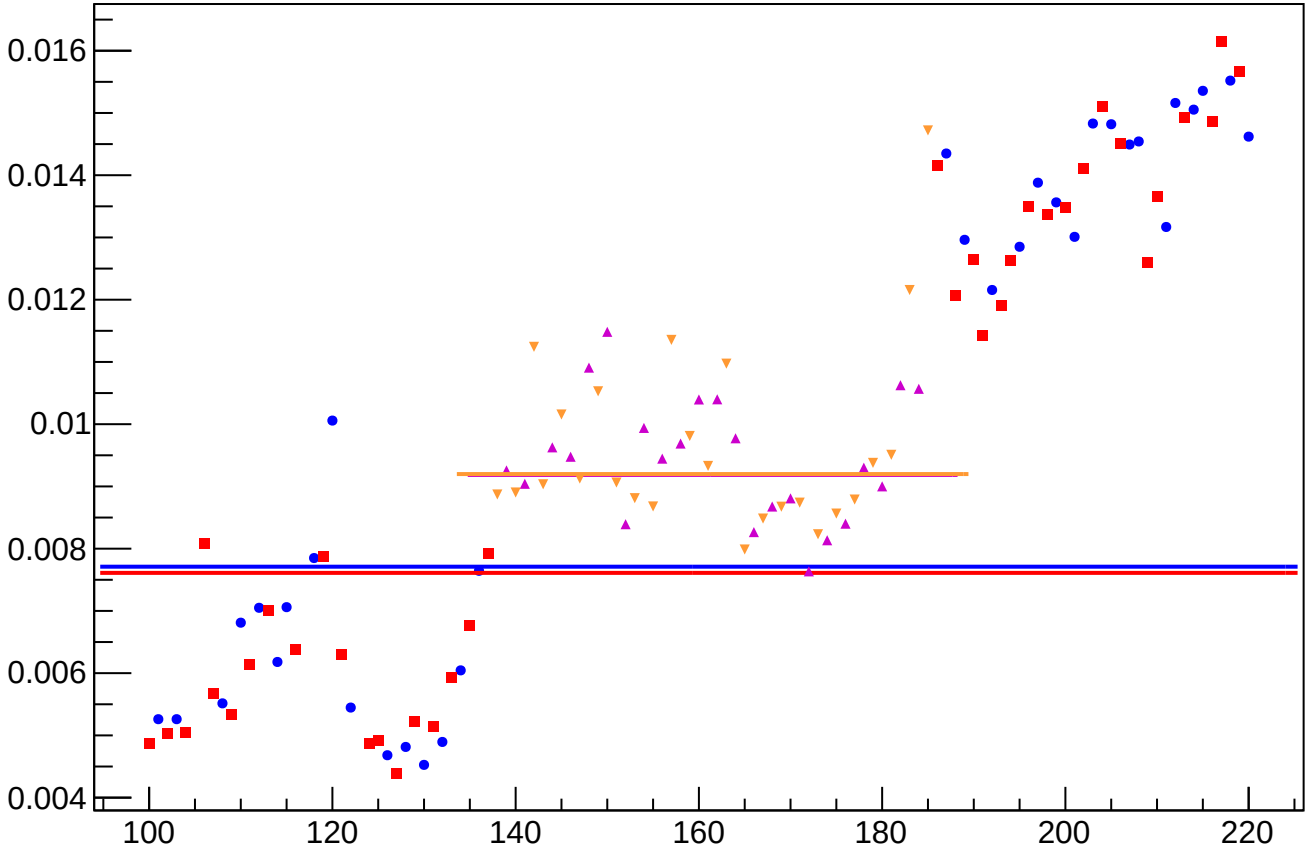
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.149+/-0.000 χ^2/NDF: 142503650130.7/57

All: -6.141+/-0.000 χ^2/NDF: 265585767973.

- sign -6.134+/-0.000 χ^2/NDF: 123028776405.9/59

yield_bpm0l01Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 7821523.6/32

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

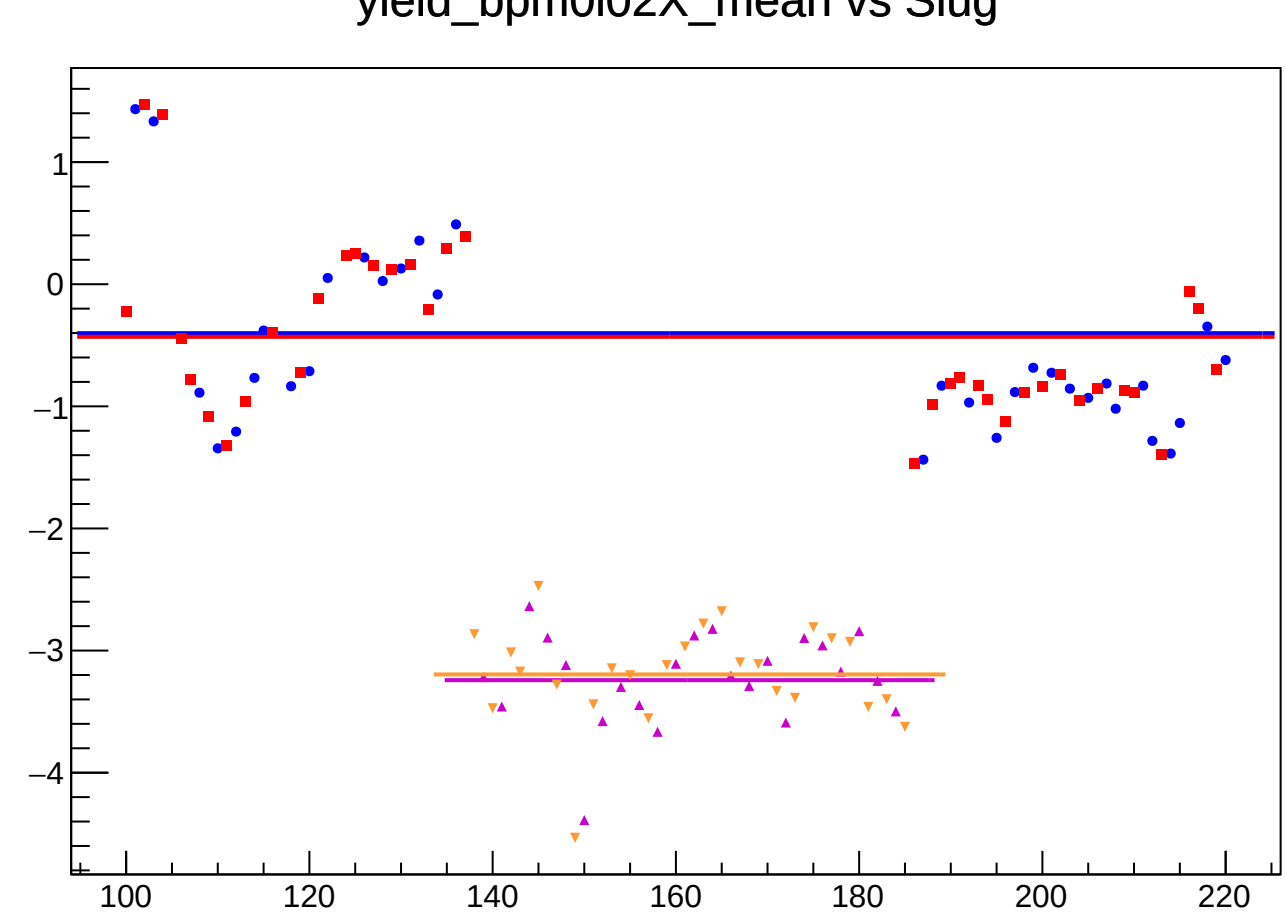
Right Out: 0.008+/-0.000 χ^2/NDF: 7574975.0/36

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 8680327.6/57

All: 0.008+/-0.000 χ^2/NDF: 17128757.7/117

- sign 0.008+/-0.000 χ^2/NDF: 8443429.5/59



Right In: -0.401+/-0.000 χ^2/NDF: 39896913013.6/32

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.431+/-0.000 χ^2/NDF: 38596198892.3/36

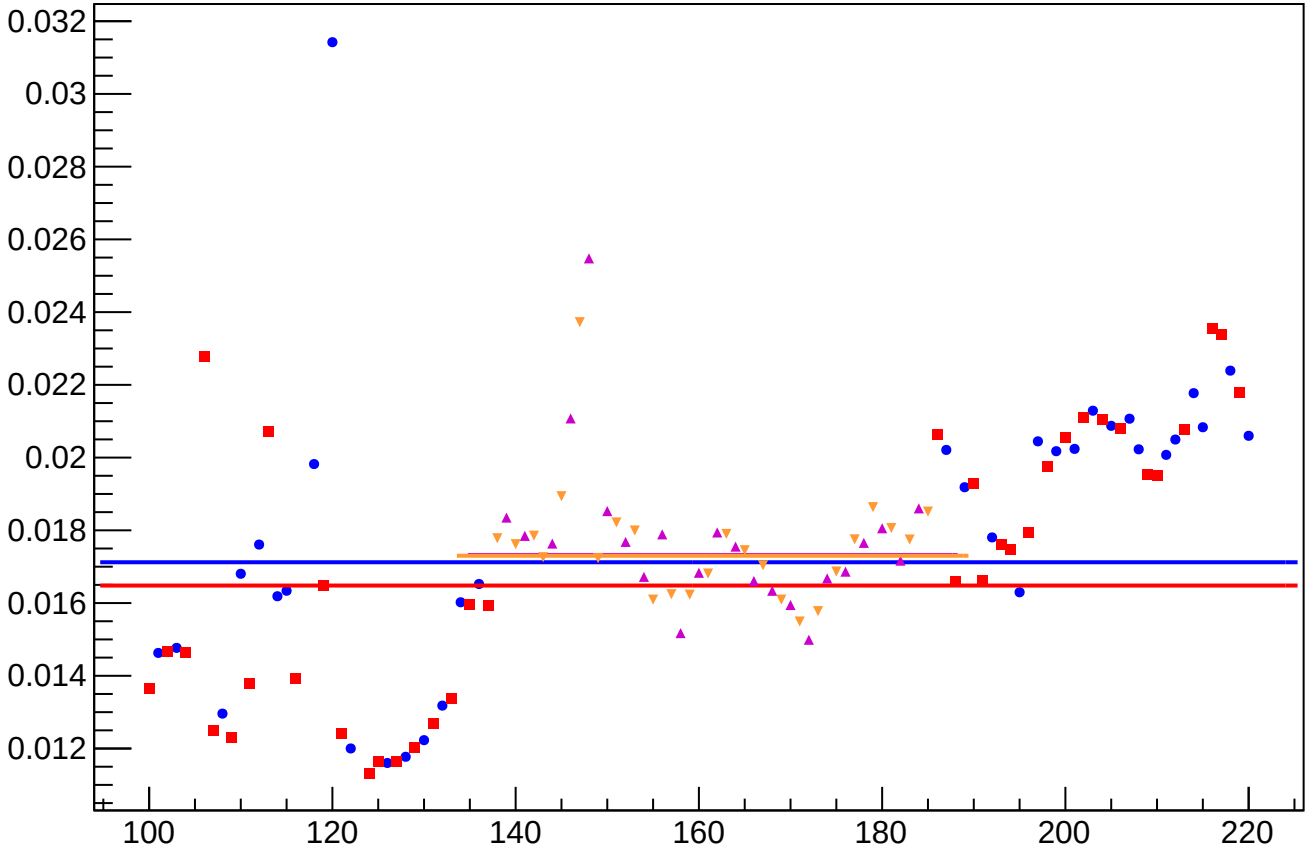
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.761+/-0.000 χ^2/NDF: 298156112840.1/57

All: -1.723+/-0.000 χ^2/NDF: 600888714305.8

- sign -1.685+/-0.000 χ^2/NDF: 302351731025.2/59

yield_bpm0l02X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 1789996.5/32

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

Right Out: 0.016+/-0.000 χ^2/NDF: 1948948.4/36

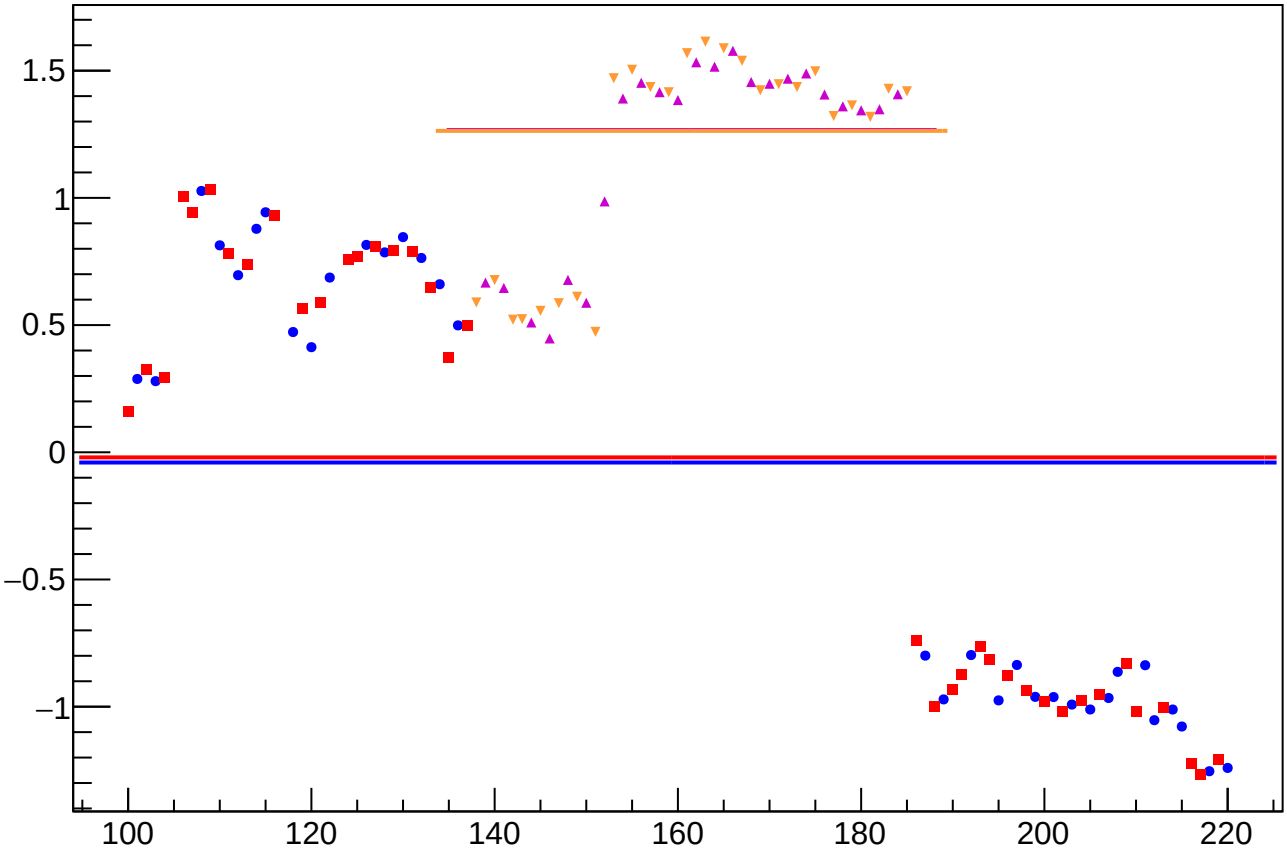
Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.017+/-0.000 χ^2/NDF: 2010071.2/57

All: 0.017+/-0.000 χ^2/NDF: 4350714.9/117

- sign 0.017+/-0.000 χ^2/NDF: 2324599.9/59

yield_bpm0l02Y_mean vs Slug



Right In: -0.040+/-0.000 χ^2/NDF: 103958980127.0/32

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: -0.020+/-0.000 χ^2/NDF: 112625256755.3/36

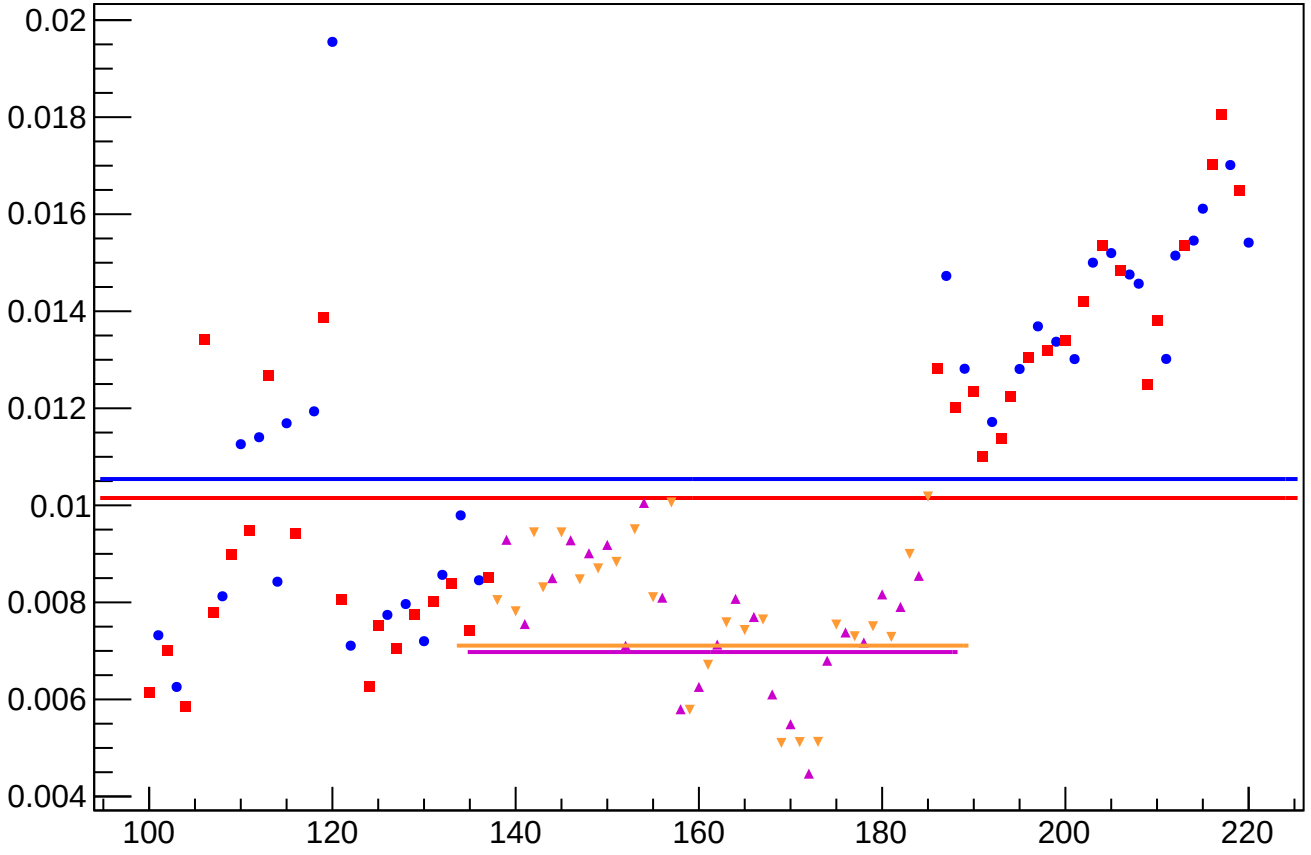
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 0.842+/-0.000 χ^2/NDF: 334532384226.3/57

All: 0.831+/-0.000 χ^2/NDF: 676550106757.5

- sign 0.821+/-0.000 χ^2/NDF: 341905571948.6/59

yield_bpm0l02Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 3700266.1/32

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

Right Out: 0.010+/-0.000 χ^2/NDF: 3873201.8/36

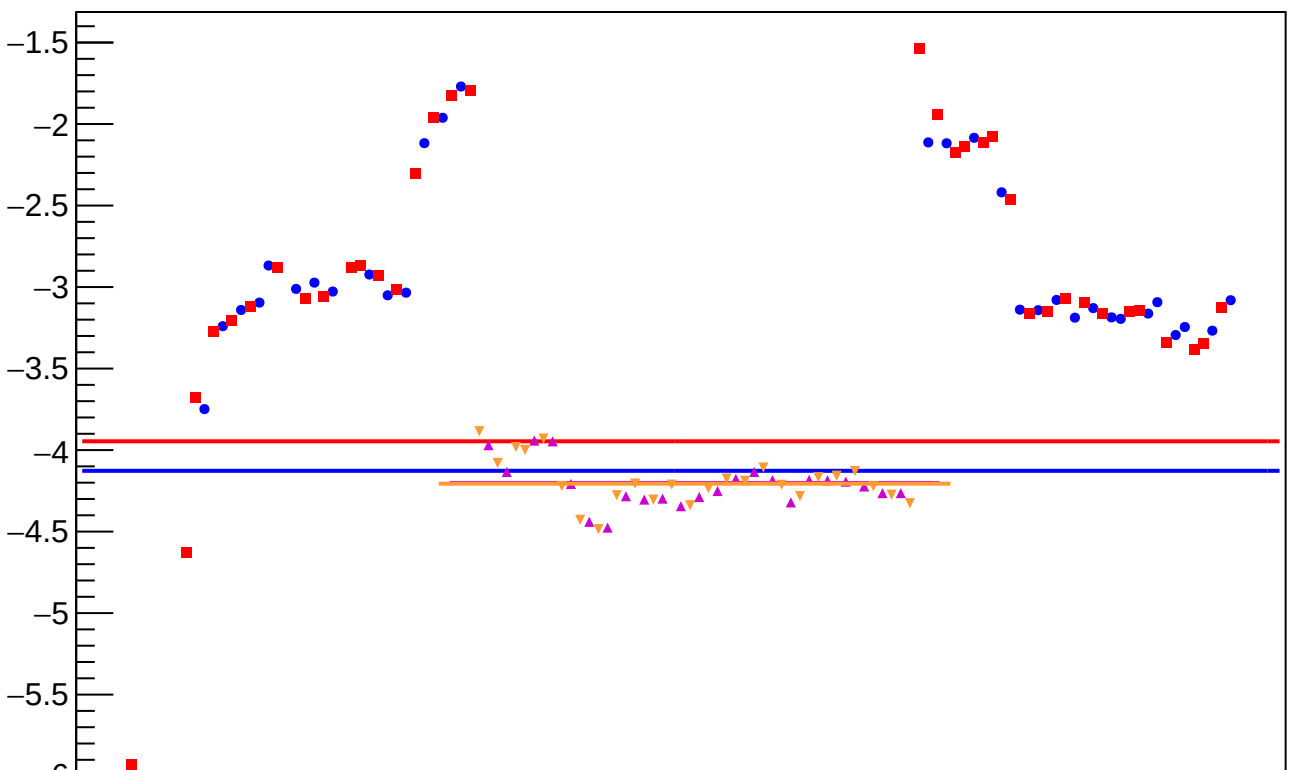
Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 7784865.7/57

All: 0.008+/-0.000 χ^2/NDF: 15458689.6/117

- sign 0.008+/-0.000 χ^2/NDF: 7663571.9/59

yield_bpm0l03X_mean vs Slug



Right In: -4.127+/-0.000 χ^2/NDF: 310360740978.9/32

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -3.946+/-0.000 χ^2/NDF: 310726733358.5/36

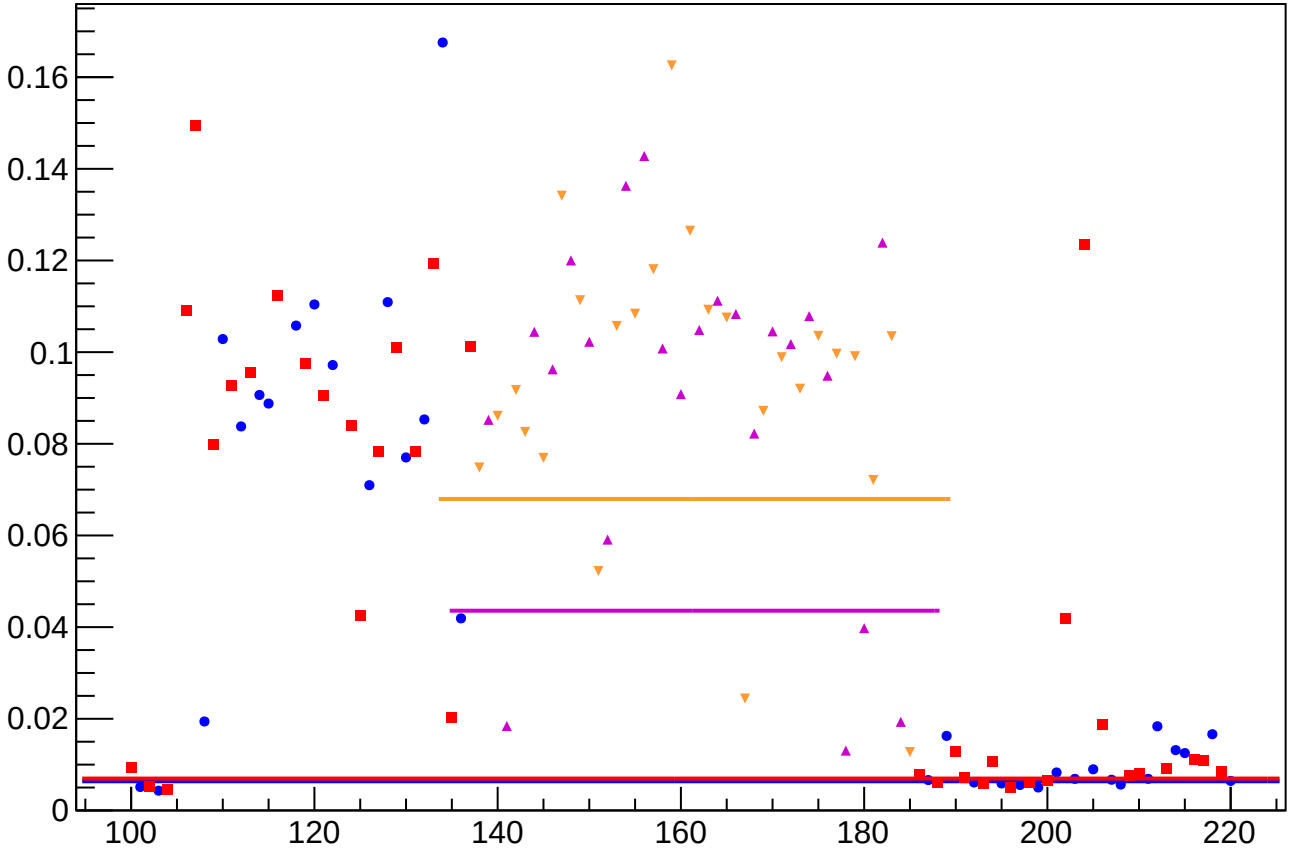
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.129+/-0.000 χ^2/NDF: 310438510227.0/57

All: -4.051+/-0.000 χ^2/NDF: 623272420120.5

- sign -3.956+/-0.000 χ^2/NDF: 311026795214.1/59

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 9606615.5/32

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 10909047.3/36

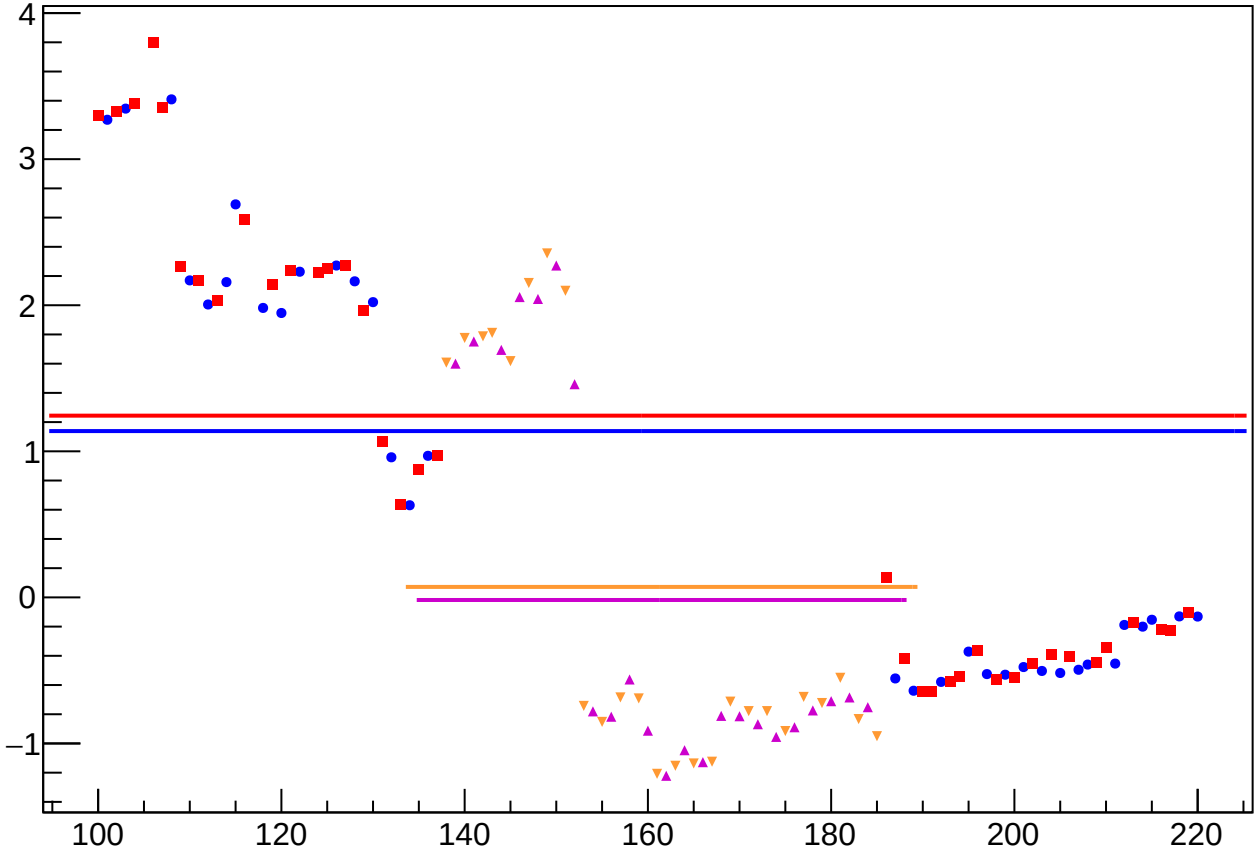
Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

+ sign 0.008+/-0.000 χ^2/NDF: 37019537.6/57

All: 0.008+/-0.000 χ^2/NDF: 71321990.1/117

- sign 0.008+/-0.000 χ^2/NDF: 34239388.5/59

yield_bpm0l03Y_mean vs Slug



Right In: 1.139+/-0.000 χ^2/NDF: 247086213540.0/32

Left Out: 0.072+/-0.000 χ^2/NDF:3635027099.6/24

Right Out: 1.244+/-0.000 χ^2/NDF: 224654900209.0/36

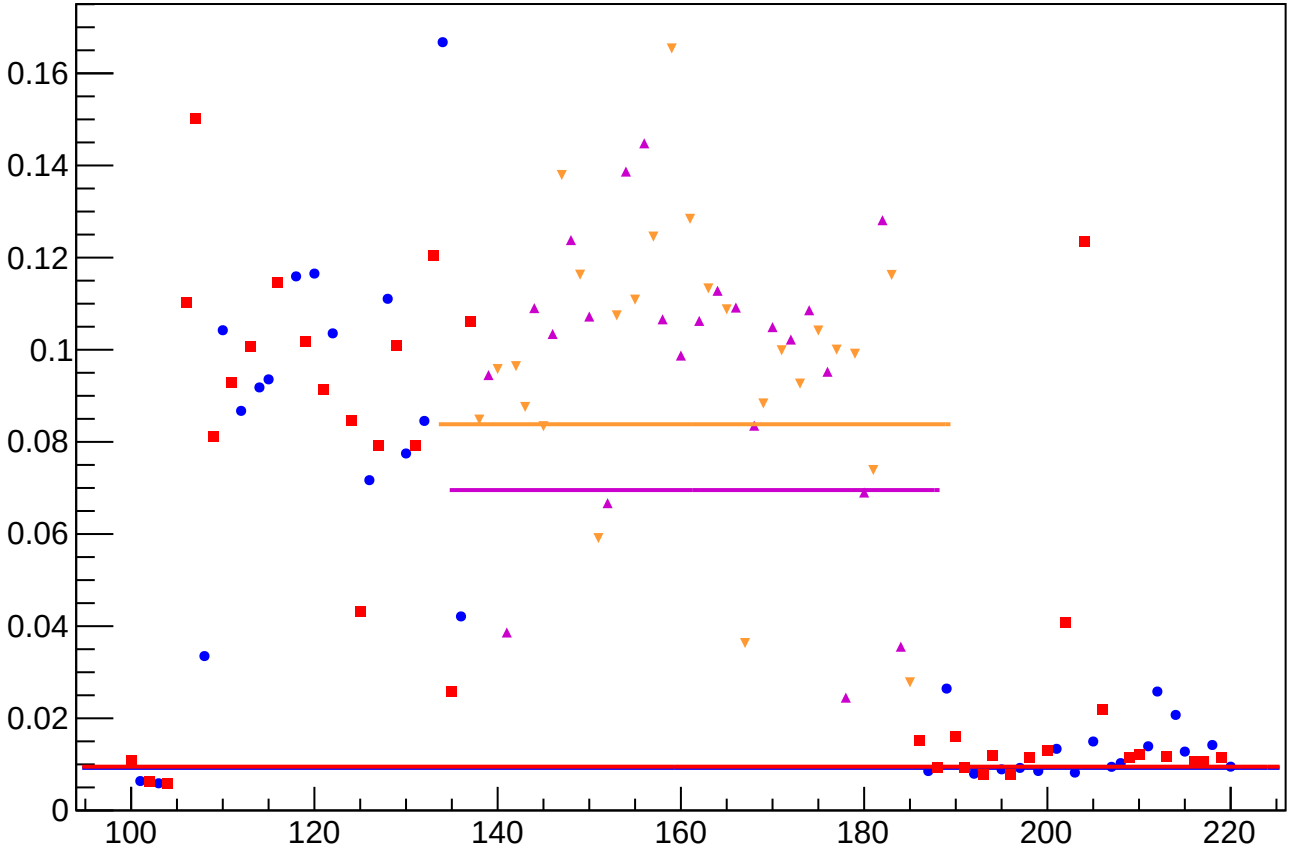
Left In: -0.018+/-0.000 χ^2/NDF:3455714643.1/22

+ sign 1.109+/-0.000 χ^2/NDF: 252998662314.4/57

All: 1.153+/-0.000 χ^2/NDF: 485061209045.6

- sign 1.200+/-0.000 χ^2/NDF: 231766039959.7/59

yield_bpm0l03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 9387224.4/32

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.010+/-0.000 χ^2/NDF: 10552116.6/36

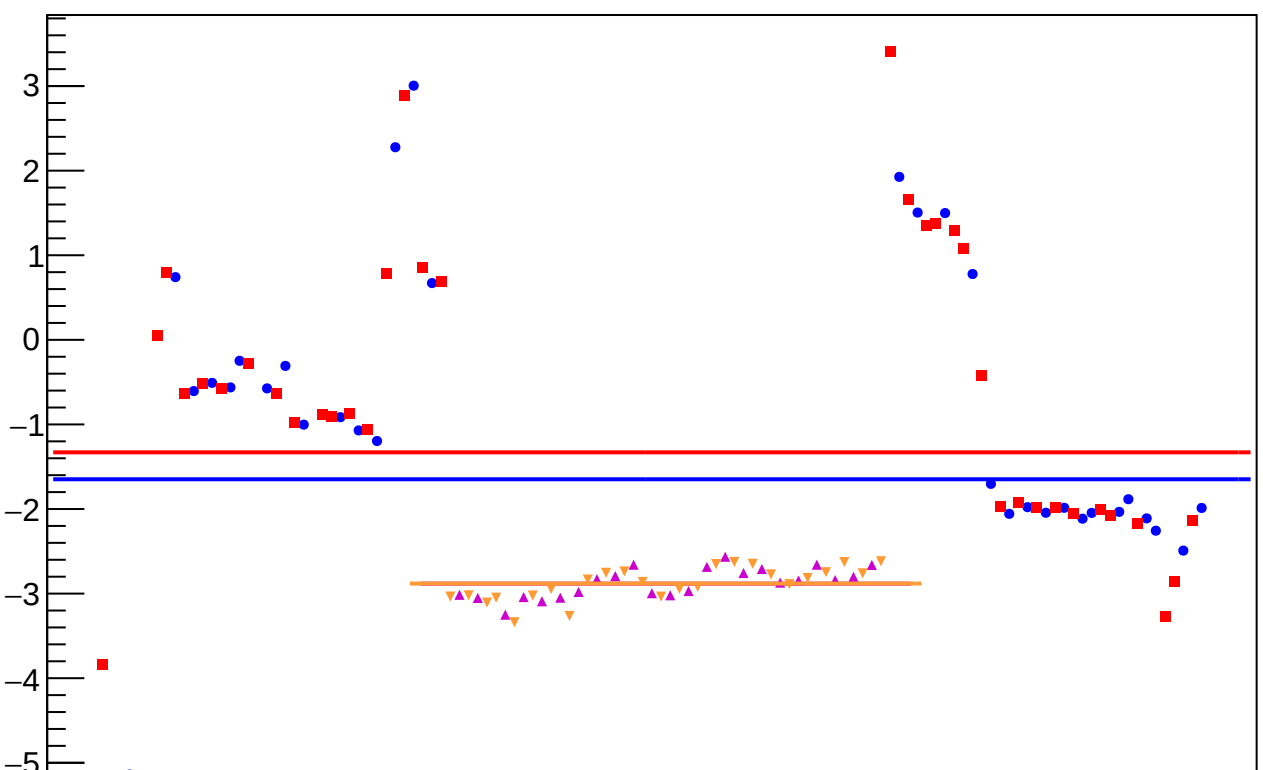
Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 35481851.2/57

All: 0.011+/-0.000 χ^2/NDF: 69286333.4/117

- sign 0.012+/-0.000 χ^2/NDF: 33798165.2/59

yield_bpm0l04X_mean vs Slug



Right In: -1.648+/-0.000 χ^2/NDF: 211246444690.5/32

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.330+/-0.000 χ^2/NDF: 246180012537.6/36

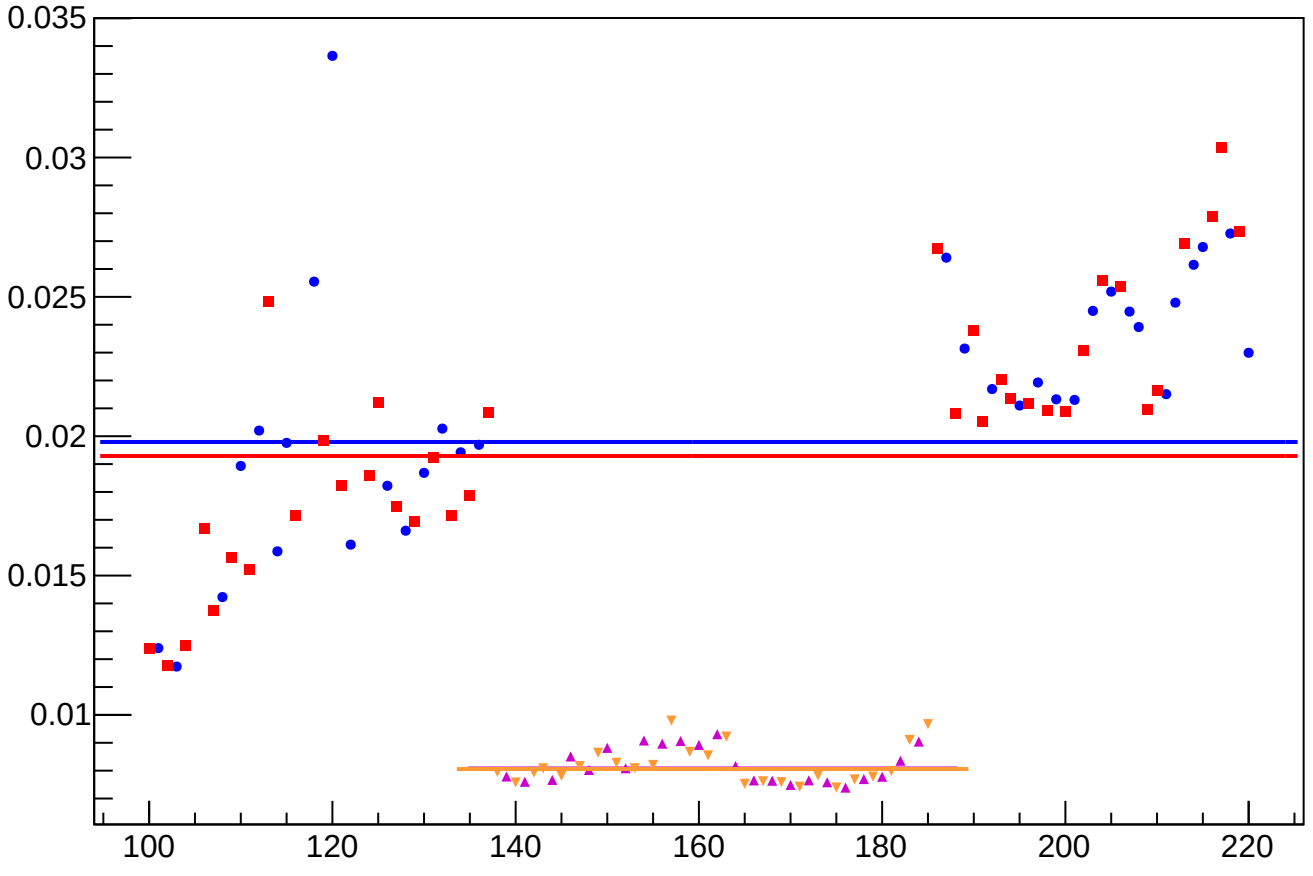
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.707+/-0.000 χ^2/NDF: 282827779862.8/57

All: -2.672+/-0.000 χ^2/NDF: 640911952297.7

- sign -2.635+/-0.000 χ^2/NDF: 357246493504.4/59

yield_bpm0l04X_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 2169319.9/32

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.019+/-0.000 χ^2/NDF: 2231663.1/36

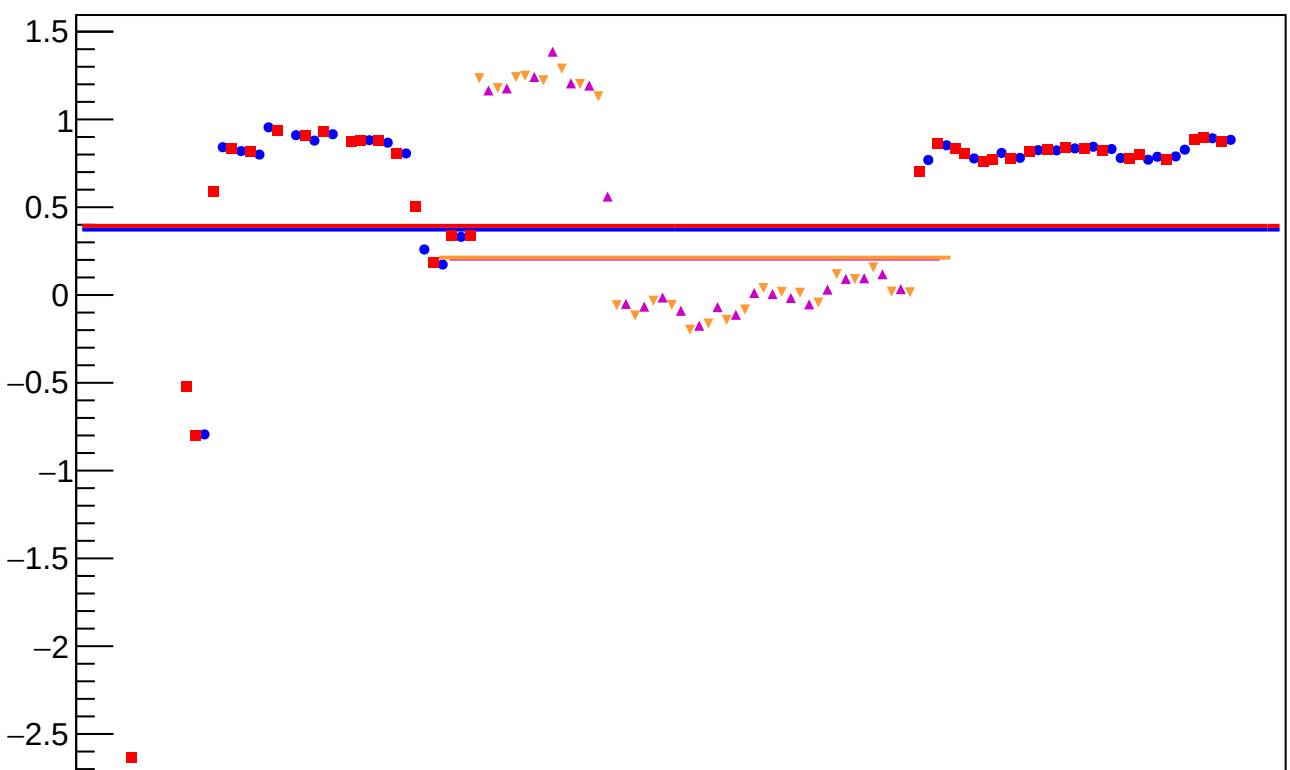
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 13410758.0/57

All: 0.010+/-0.000 χ^2/NDF: 26550886.5/117

- sign 0.010+/-0.000 χ^2/NDF: 13133109.1/59

yield_bpm0l04Y_mean vs Slug



Right In: 0.373+/-0.000 χ^2/NDF: 991993610812.4/32

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.394+/-0.000 χ^2/NDF: 1073406355713.7/36

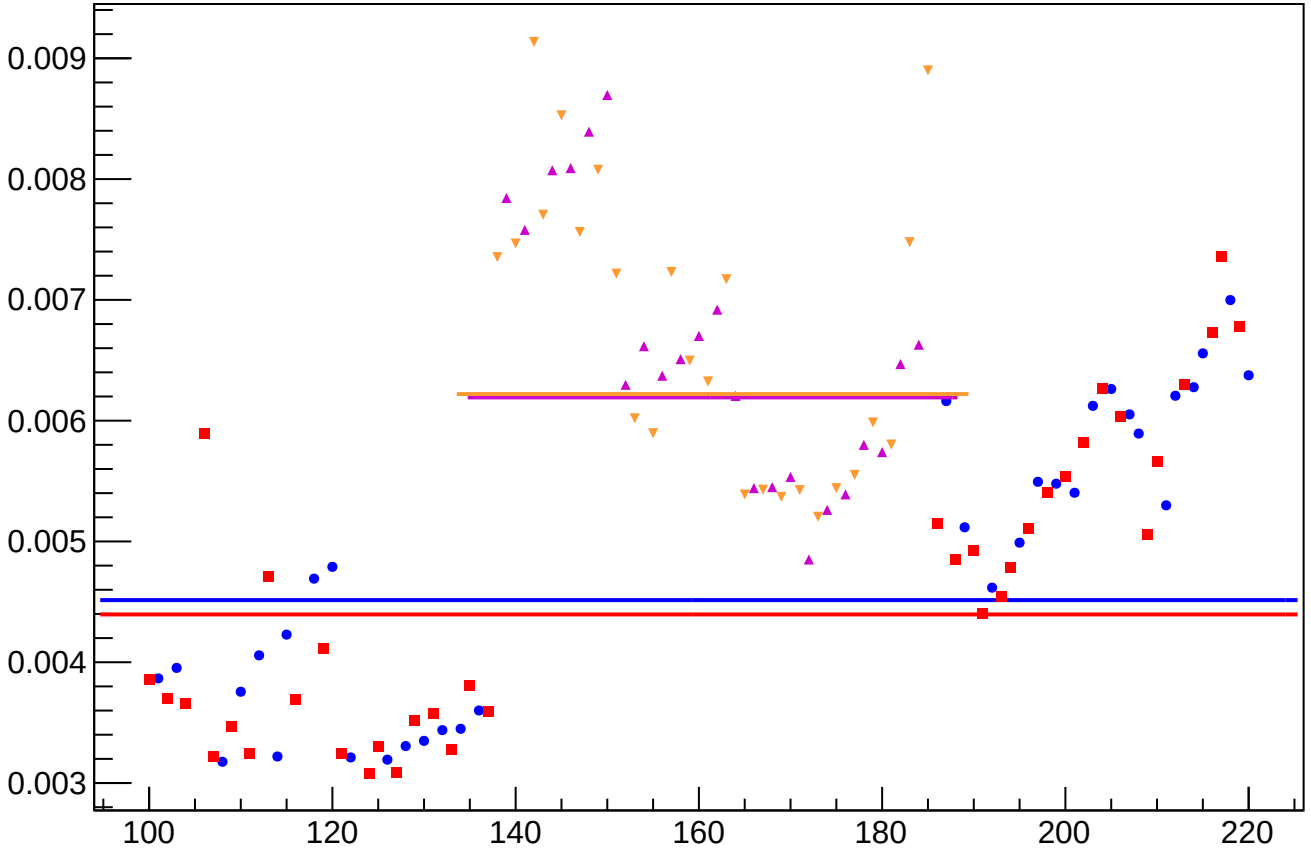
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.322+/-0.000 χ^2/NDF: 1102332020065.4/57

All: 0.331+/-0.000 χ^2/NDF: 2273229210681.

- sign 0.339+/-0.000 χ^2/NDF: 1170685613631.9/59

yield_bpm0l04Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2533398.6/32

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

Right Out: 0.004+/-0.000 χ^2/NDF: 2561354.9/36

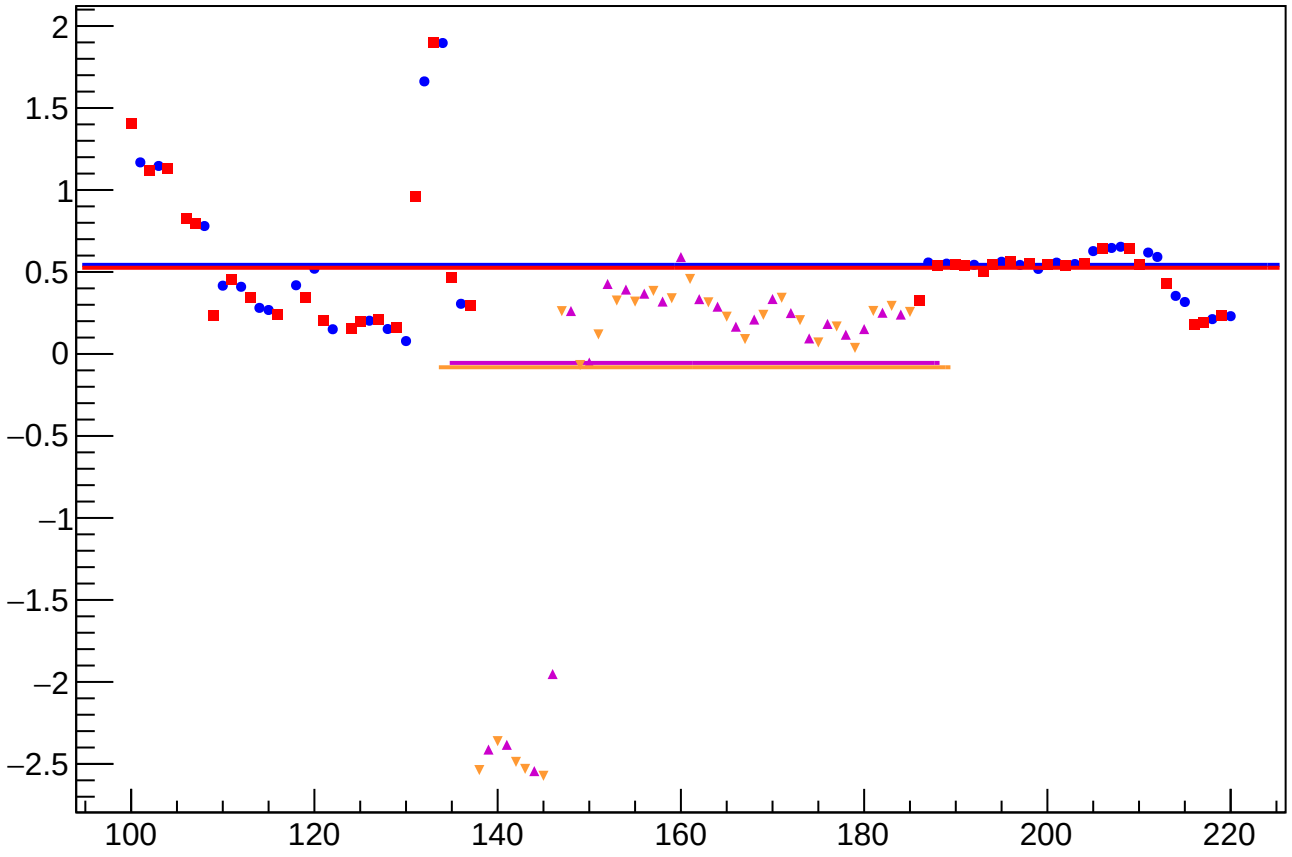
Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 5056735.3/57

All: 0.005+/-0.000 χ^2/NDF: 10347759.7/117

- sign 0.005+/-0.000 χ^2/NDF: 5265797.7/59

yield_bpm0l05X_mean vs Slug



Right In: 0.543+/-0.000 χ^2/NDF: 68199185572.1/32

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.526+/-0.000 χ^2/NDF: 68304221037.5/36

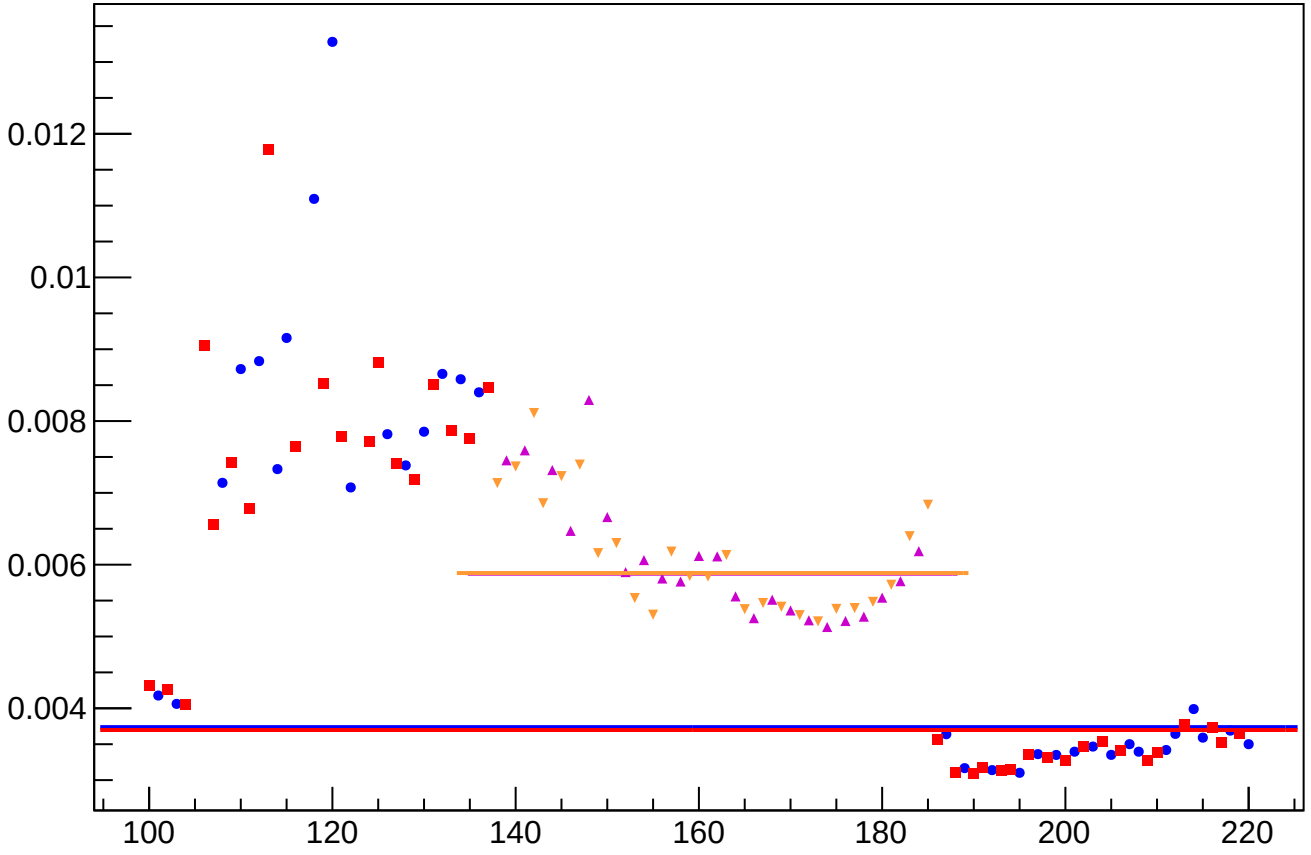
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.366+/-0.000 χ^2/NDF: 598043380624.8/57

All: 0.369+/-0.000 χ^2/NDF: 1133550042925.

- sign 0.372+/-0.000 χ^2/NDF: 535469155179.6/59

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3504311.7/32

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

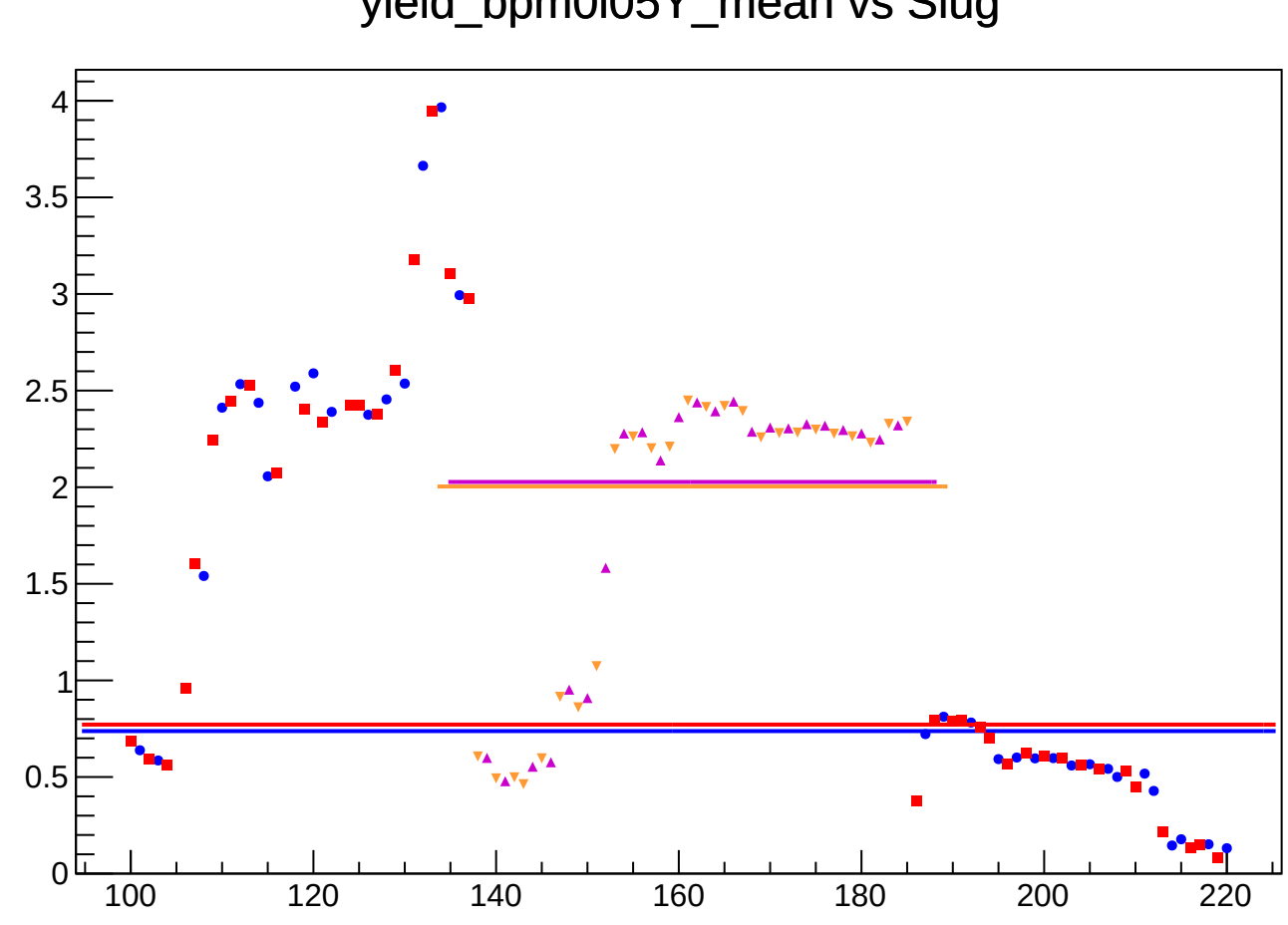
Right Out: 0.004+/-0.000 χ^2/NDF: 3484507.8/36

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.004+/-0.000 χ^2/NDF: 7301435.3/57

All: 0.004+/-0.000 χ^2/NDF: 14698981.9/117

- sign 0.004+/-0.000 χ^2/NDF: 7387399.6/59



Right In: 0.738+/-0.000 χ^2/NDF: 290191393415.2/32

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.771+/-0.000 χ^2/NDF: 321107503811.2/36

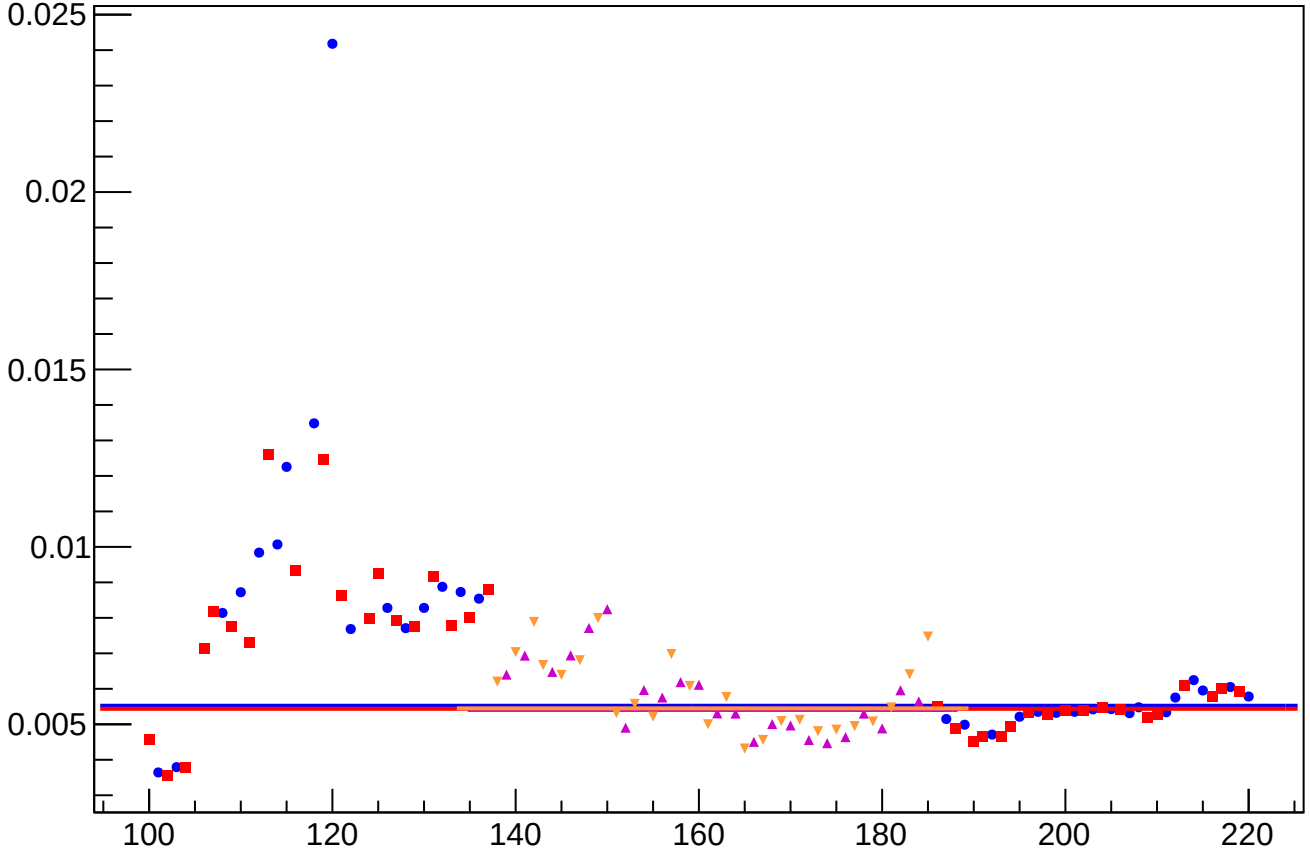
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.343+/-0.000 χ^2/NDF: 970291888548.8/57

All: 1.341+/-0.000 χ^2/NDF: 1944919034318.

- sign 1.339+/-0.000 χ^2/NDF: 974617540179.4/59

yield_bpm0l05Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2372149.6/32

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2189101.8/36

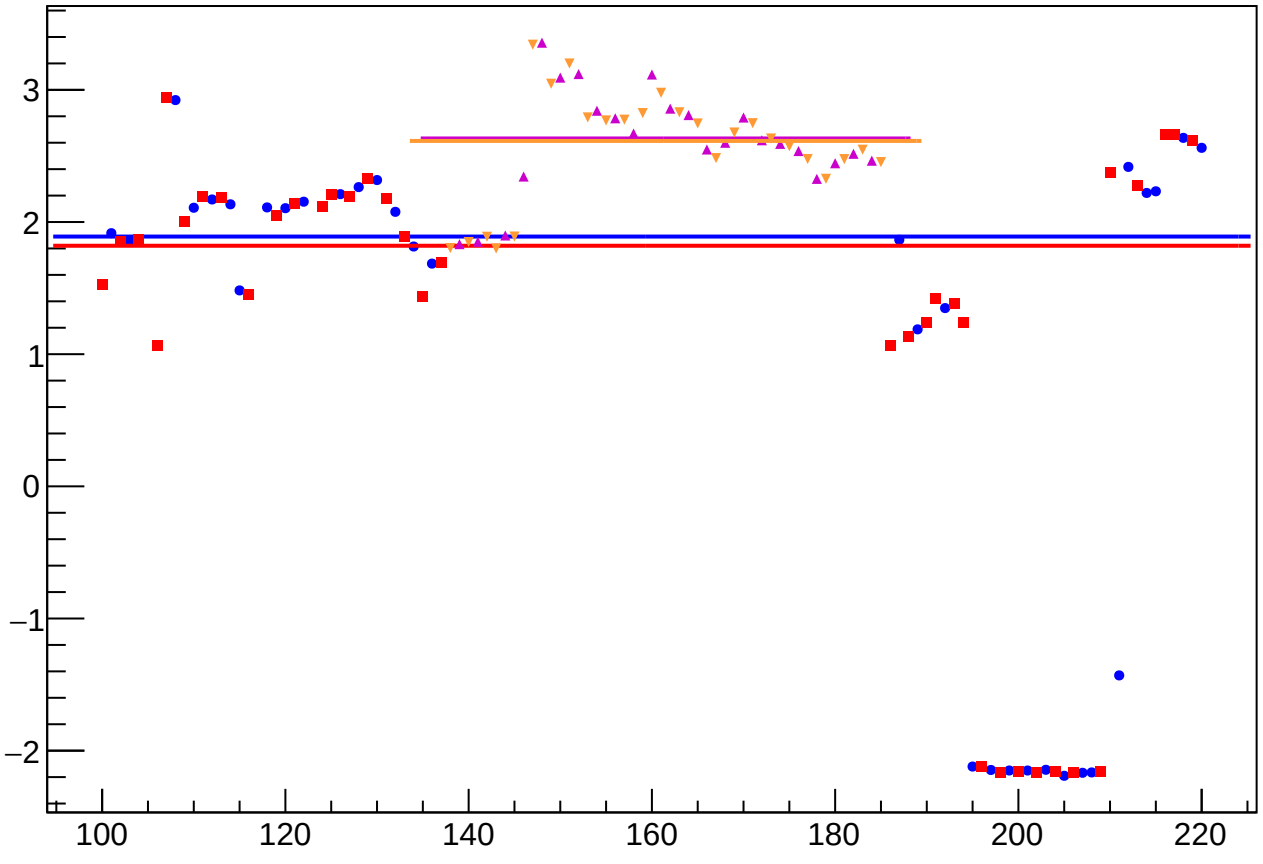
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3146715.9/57

All: 0.005+/-0.000 χ^2/NDF: 6156487.2/117

- sign 0.005+/-0.000 χ^2/NDF: 3004834.3/59

yield_bpm0l06X_mean vs Slug



Right In: 1.890+/-0.000 χ^2/NDF: 194160999106.6/32

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.820+/-0.000 χ^2/NDF: 177576513279.7/36

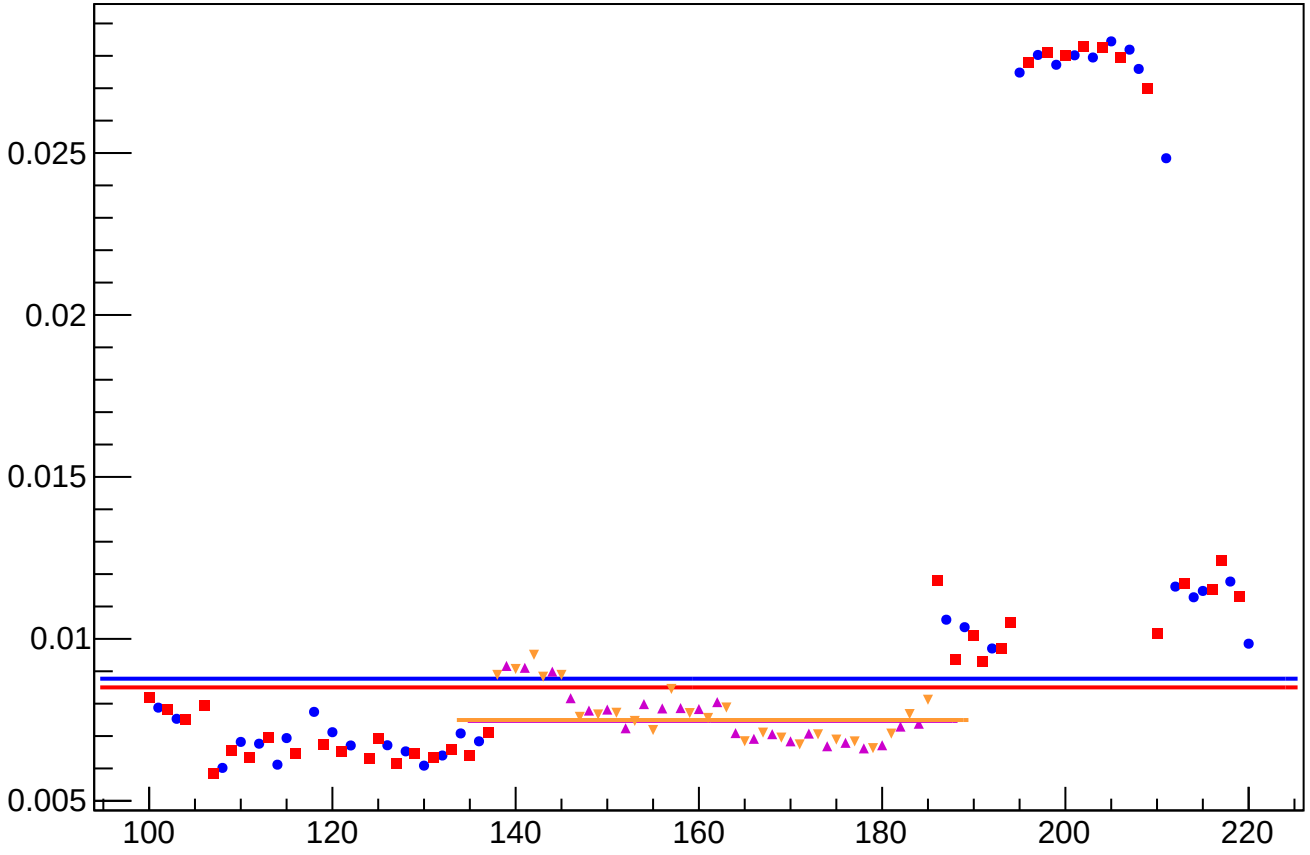
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.331+/-0.000 χ^2/NDF: 306644925462.7/57

All: 2.307+/-0.000 χ^2/NDF: 612839052232.5

- sign 2.285+/-0.000 χ^2/NDF: 305628993549.4/59

yield_bpm0l06X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 8787409.1/32

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 7780181.7/36

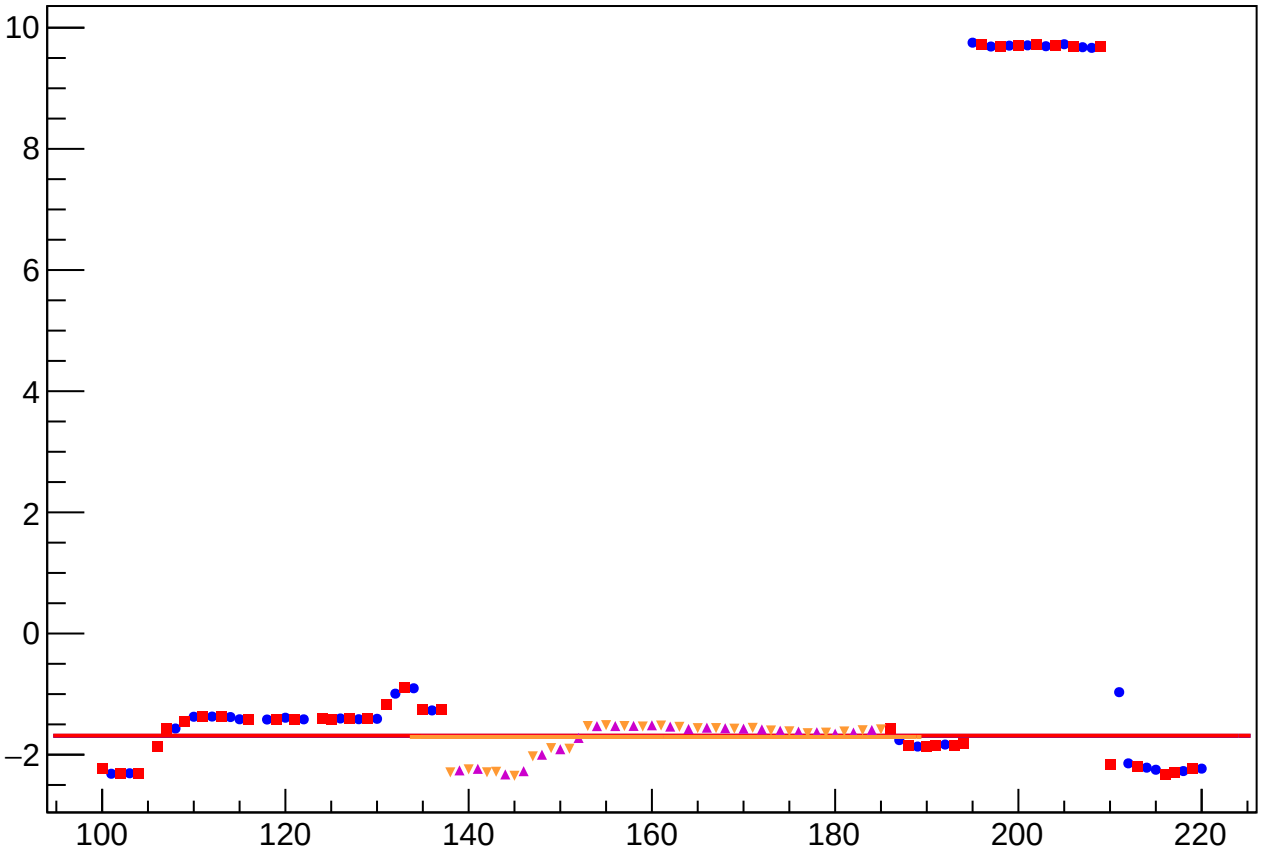
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 9531106.9/57

All: 0.008+/-0.000 χ^2/NDF: 17921276.5/117

- sign 0.008+/-0.000 χ^2/NDF: 8386434.5/59

yield_bpm0l06Y_mean vs Slug



Right In: -1.690+/-0.000 χ^2/NDF: 503134778149.5/32

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.686+/-0.000 χ^2/NDF: 477392960406.4/36

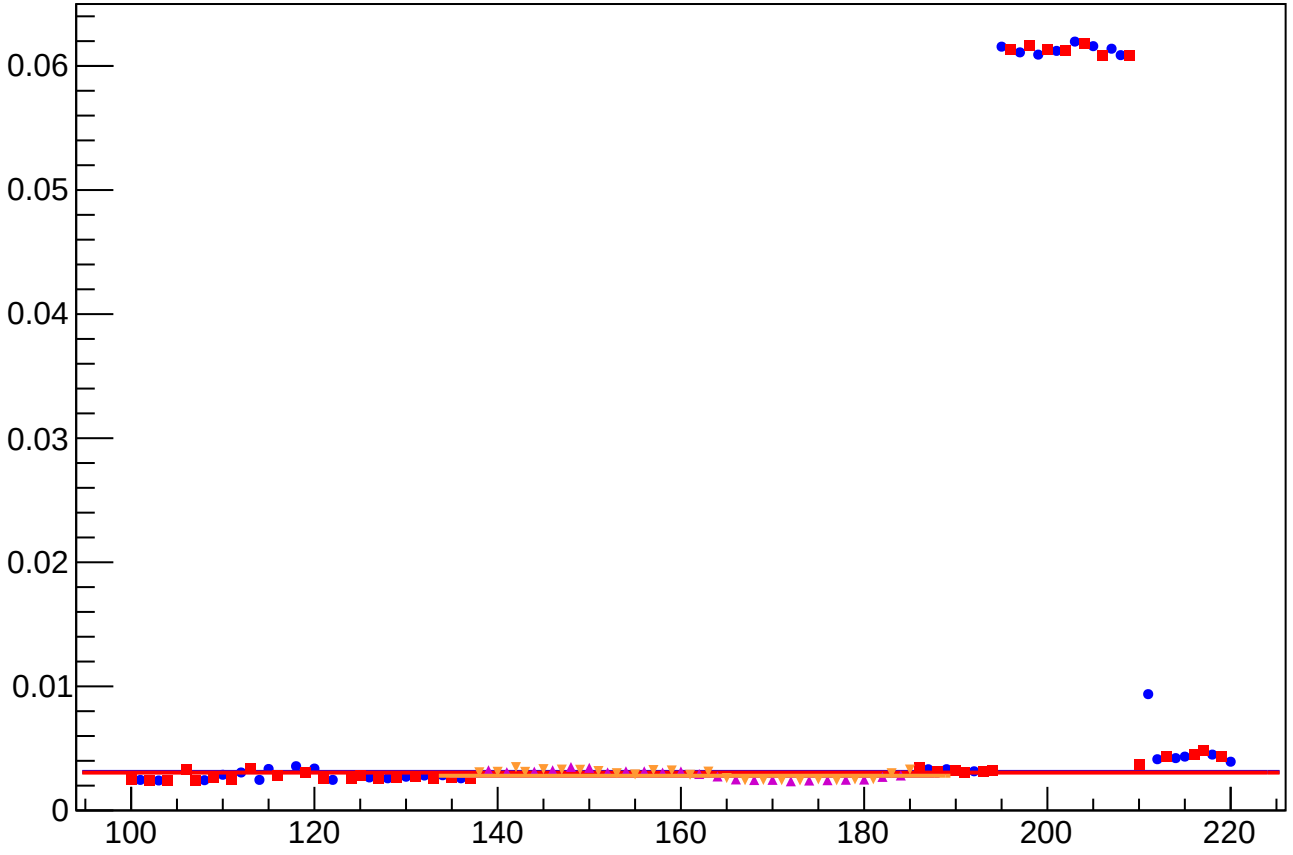
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.701+/-0.000 χ^2/NDF: 655256025462.8/57

All: -1.699+/-0.000 χ^2/NDF: 1269553301725

- sign -1.697+/-0.000 χ^2/NDF: 614274387726.6/59

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 13714397.6/32

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

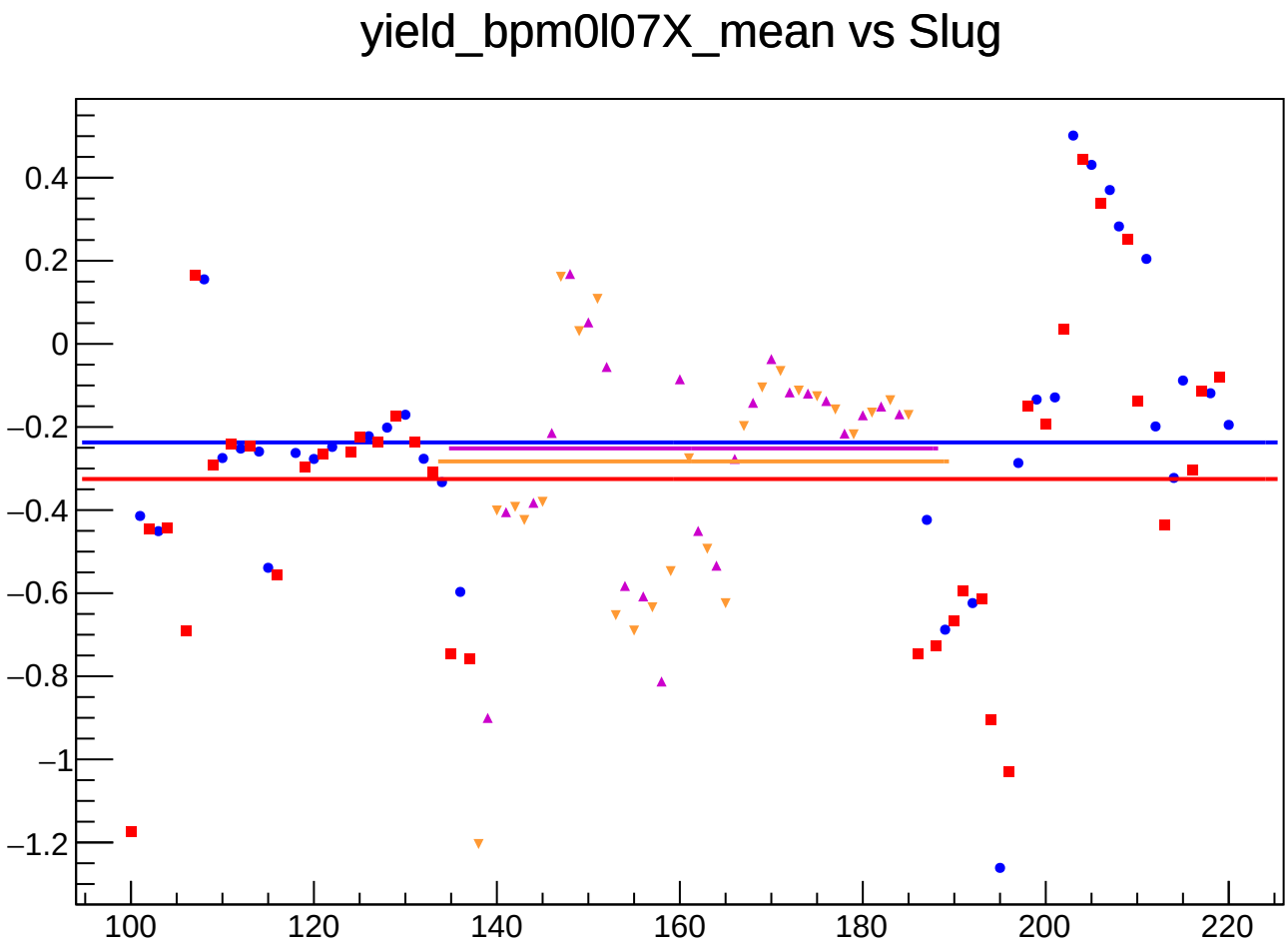
Right Out: 0.003+/-0.000 χ^2/NDF: 12301593.1/36

Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

\+ sign 0.003+/-0.000 χ^2/NDF: 14423876.4/57

All: 0.003+/-0.000 χ^2/NDF: 27412577.5/117

\- sign 0.003+/-0.000 χ^2/NDF: 12987686.9/59



Right In: -0.237+/-0.000 χ^2/NDF: 9802970461.0/32

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.325+/-0.000 χ^2/NDF: 10112606325.6/36

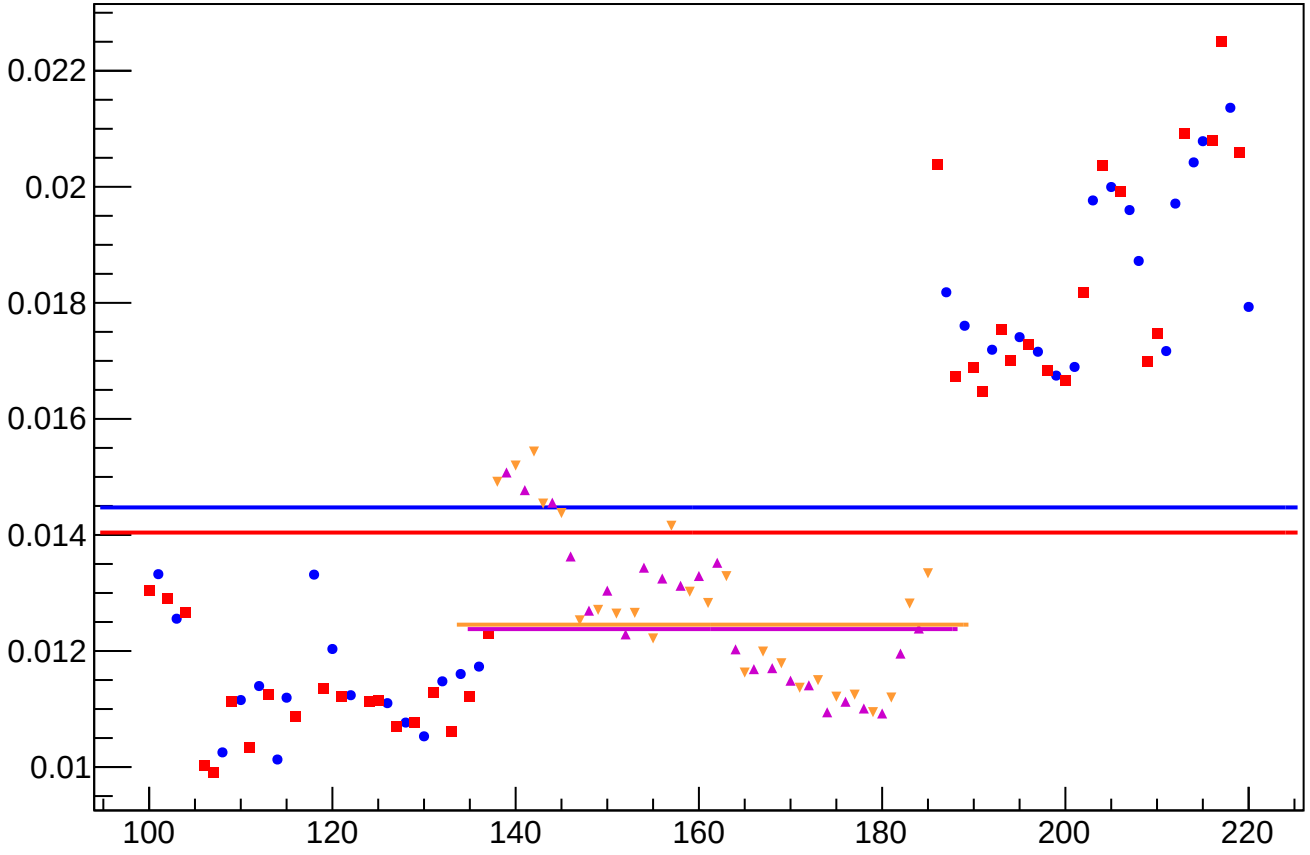
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.263+/-0.000 χ^2/NDF: 19253685851.7/57

All: -0.274+/-0.000 χ^2/NDF: 36875410945.7/

- sign -0.286+/-0.000 χ^2/NDF: 17565965171.2/59

yield_bpm0l07X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 2385174.8/32

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.014+/-0.000 χ^2/NDF: 2707703.2/36

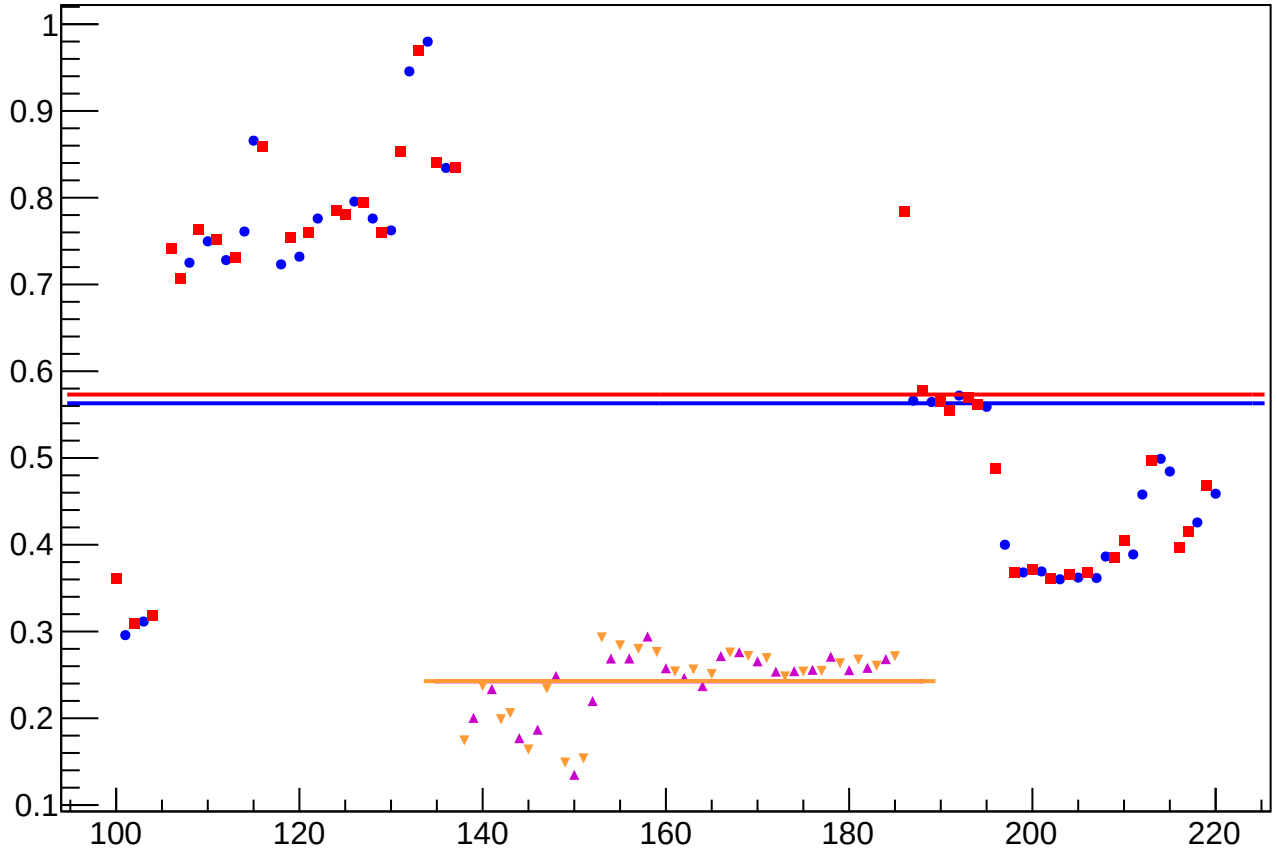
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 3145838.9/57

All: 0.013+/-0.000 χ^2/NDF: 6479013.9/117

- sign 0.013+/-0.000 χ^2/NDF: 3326138.9/59

yield_bpm0l07Y_mean vs Slug



Right In: 0.563+/-0.000 χ^2/NDF: 101052028334.8/32

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.573+/-0.000 χ^2/NDF: 97466053920.7/36

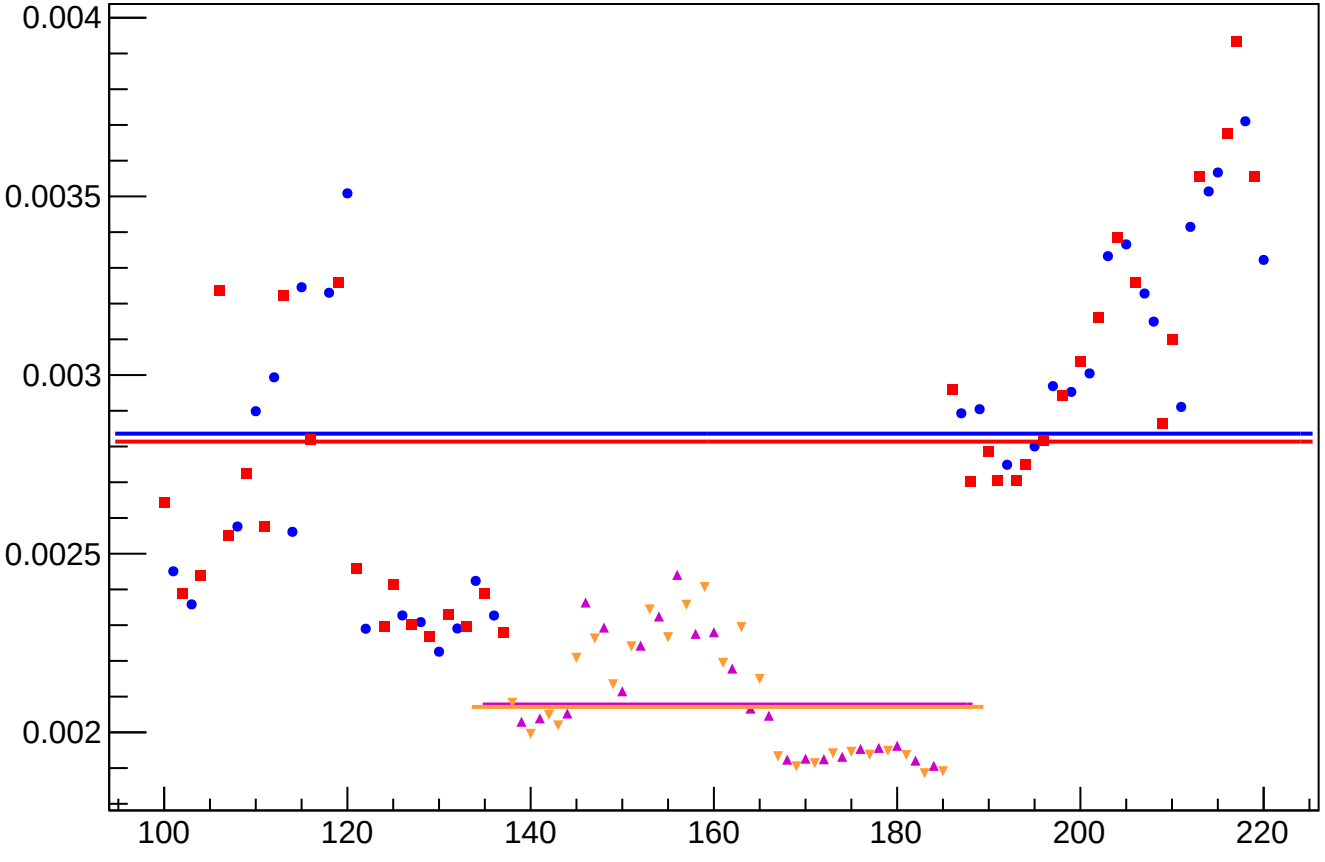
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.357+/-0.000 χ^2/NDF: 271379927259.8/57

All: 0.363+/-0.000 χ^2/NDF: 548904706049.7

- sign 0.368+/-0.000 χ^2/NDF: 277117487949.2/59

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 957154.1/32

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 902833.6/36

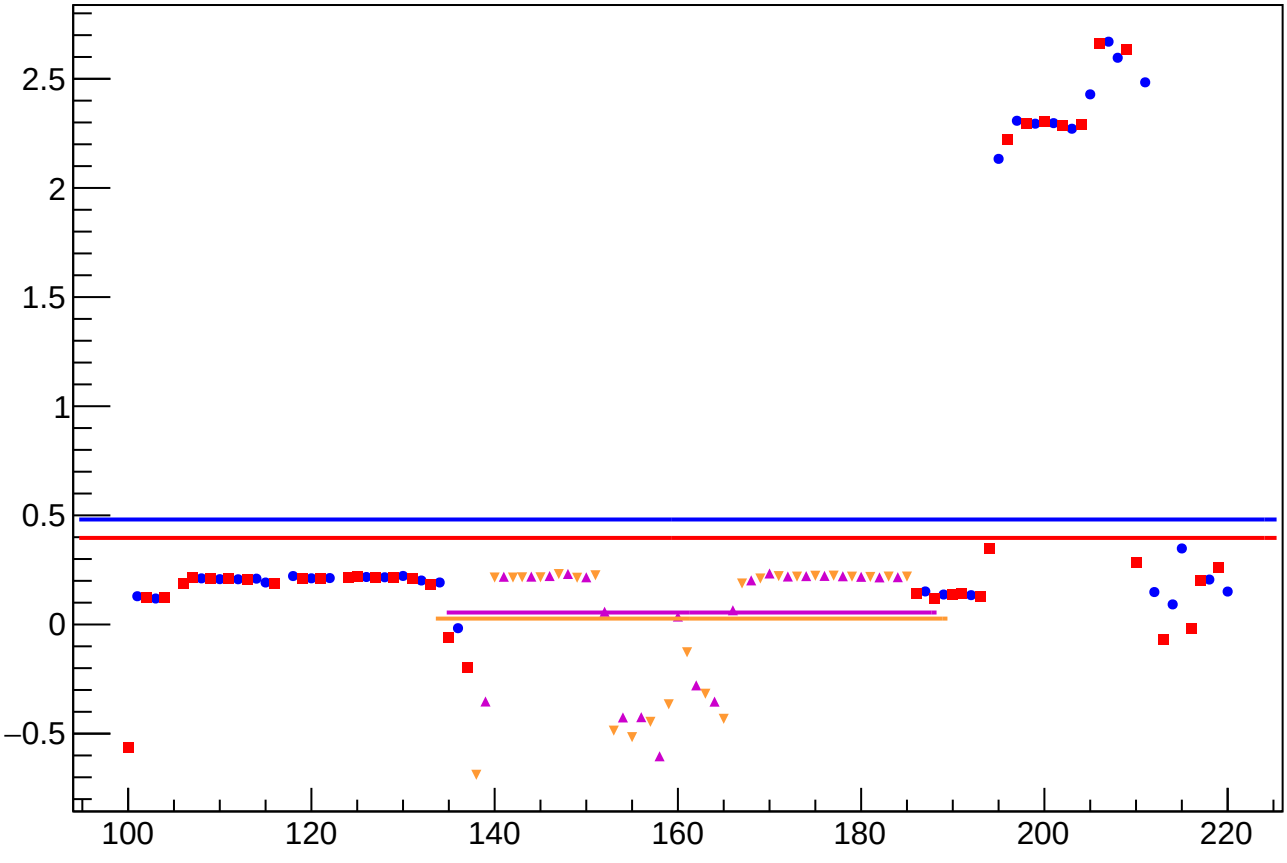
Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 3050509.5/57

All: 0.002+/-0.000 χ^2/NDF: 5889288.3/117

- sign 0.002+/-0.000 χ^2/NDF: 2837639.5/59

yield_bpm0l08X_mean vs Slug



Right In: 0.481+/-0.000 χ^2/NDF: 62330570452.1/32

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.397+/-0.000 χ^2/NDF: 55266241142.1/36

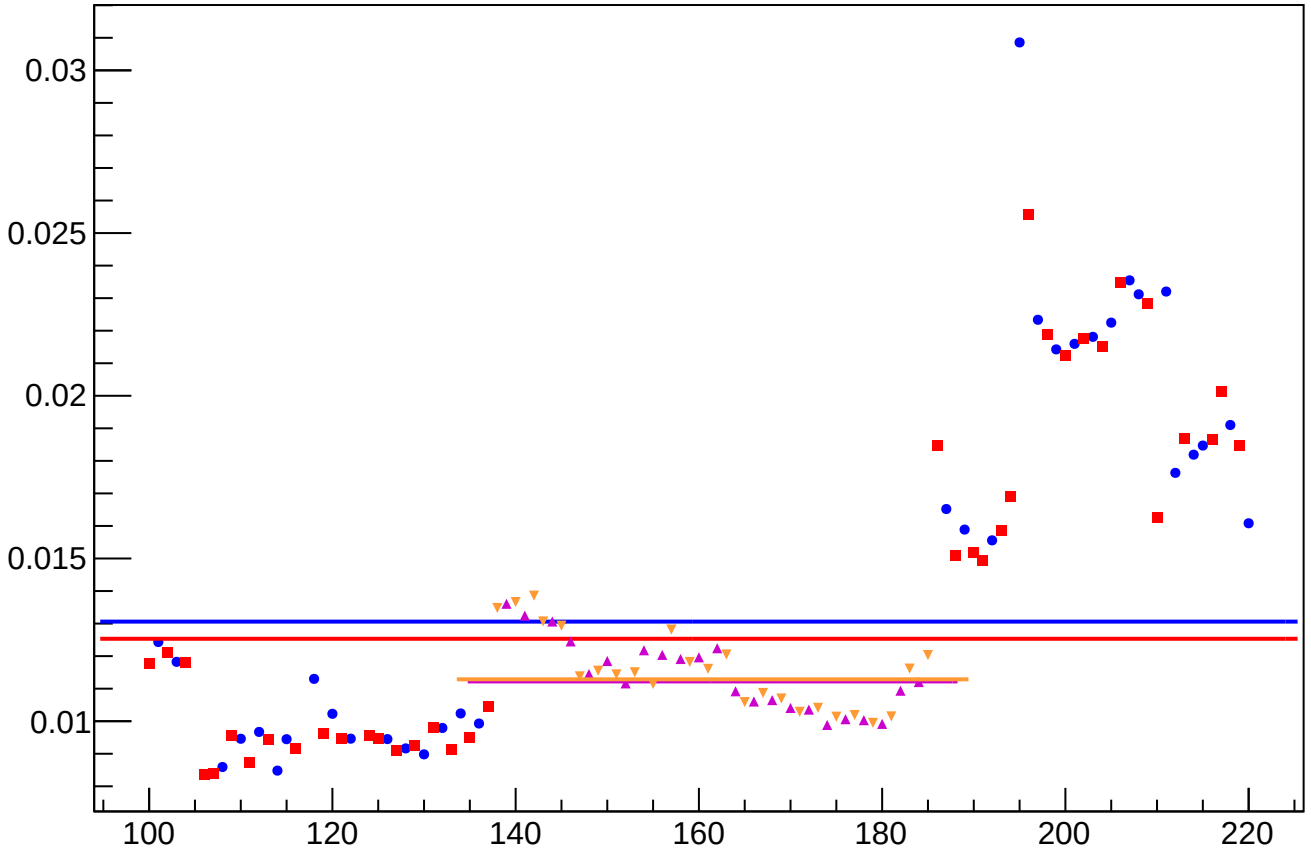
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.218+/-0.000 χ^2/NDF: 87776584101.1/57

All: 0.215+/-0.000 χ^2/NDF: 160123322311.0

- sign 0.212+/-0.000 χ^2/NDF: 72340969974.5/59

yield_bpm0l08X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 5223050.6/32

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

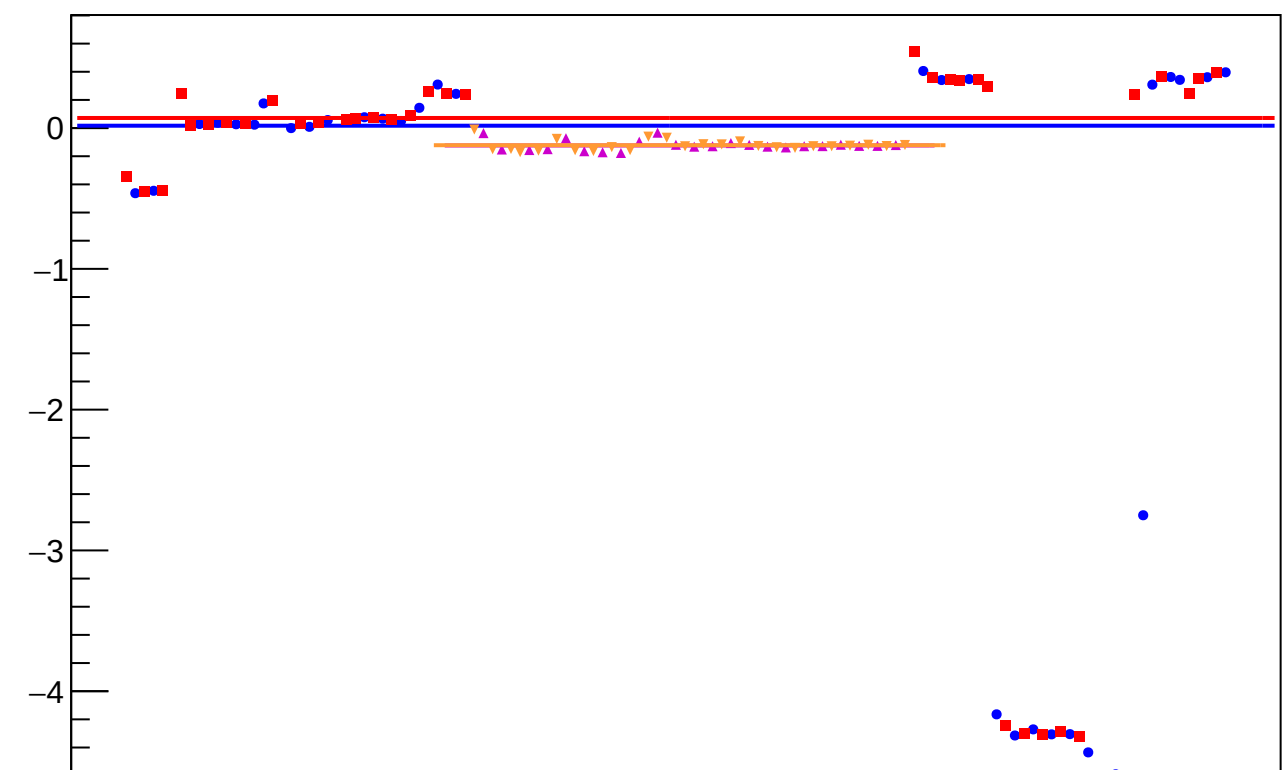
Right Out: 0.013+/-0.000 χ^2/NDF: 5109216.6/36

Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.012+/-0.000 χ^2/NDF: 5932019.9/57

All: 0.012+/-0.000 χ^2/NDF: 11584299.4/117

- sign 0.012+/-0.000 χ^2/NDF: 5641152.6/59



Right In: 0.017+/-0.000 χ^2/NDF: 452363642679.3/32

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.072+/-0.000 χ^2/NDF: 407955891733.9/36

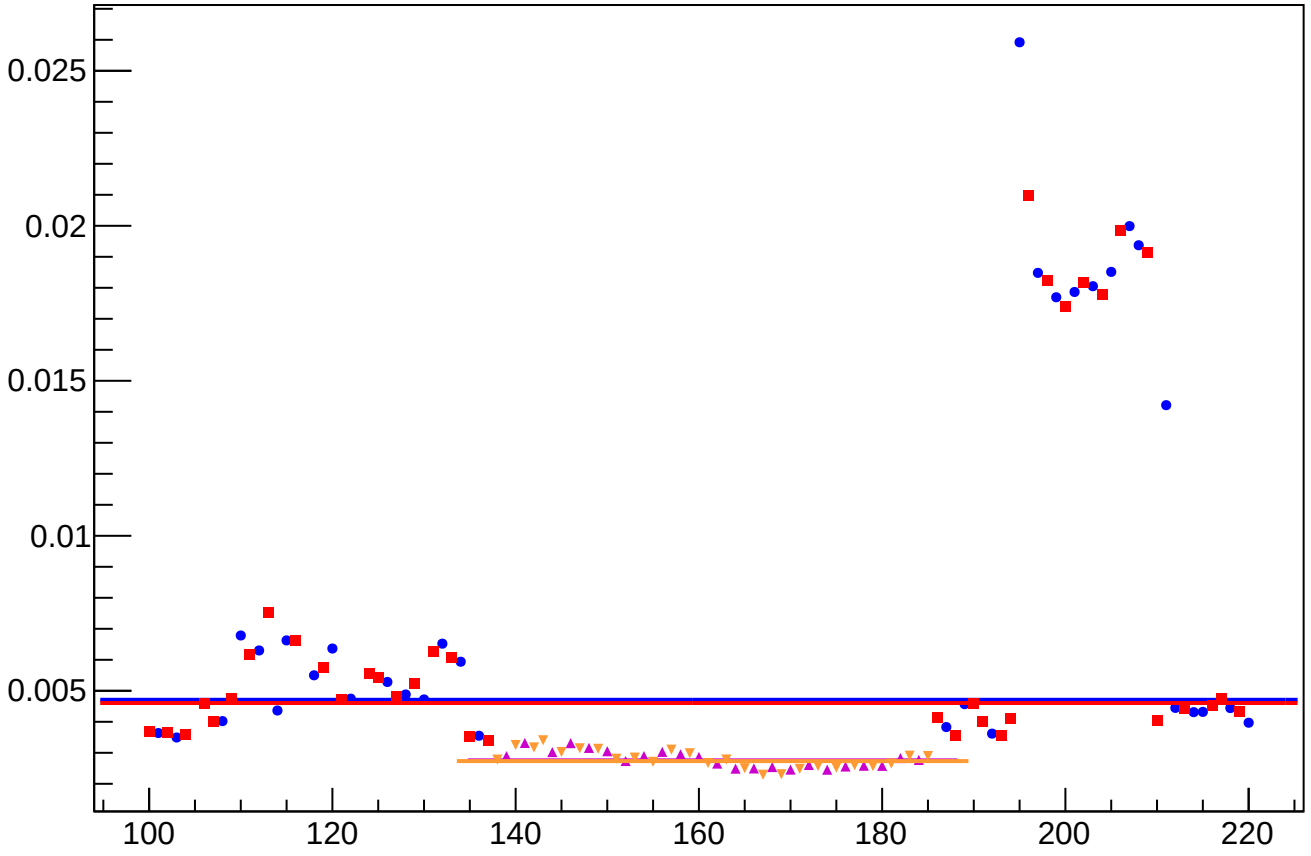
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.092+/-0.000 χ^2/NDF: 465491687878.1/57

All: -0.084+/-0.000 χ^2/NDF: 898411287245.6

- sign -0.075+/-0.000 χ^2/NDF: 432485479569.2/59

yield_bpm0l08Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 9420800.9/32

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 8017535.8/36

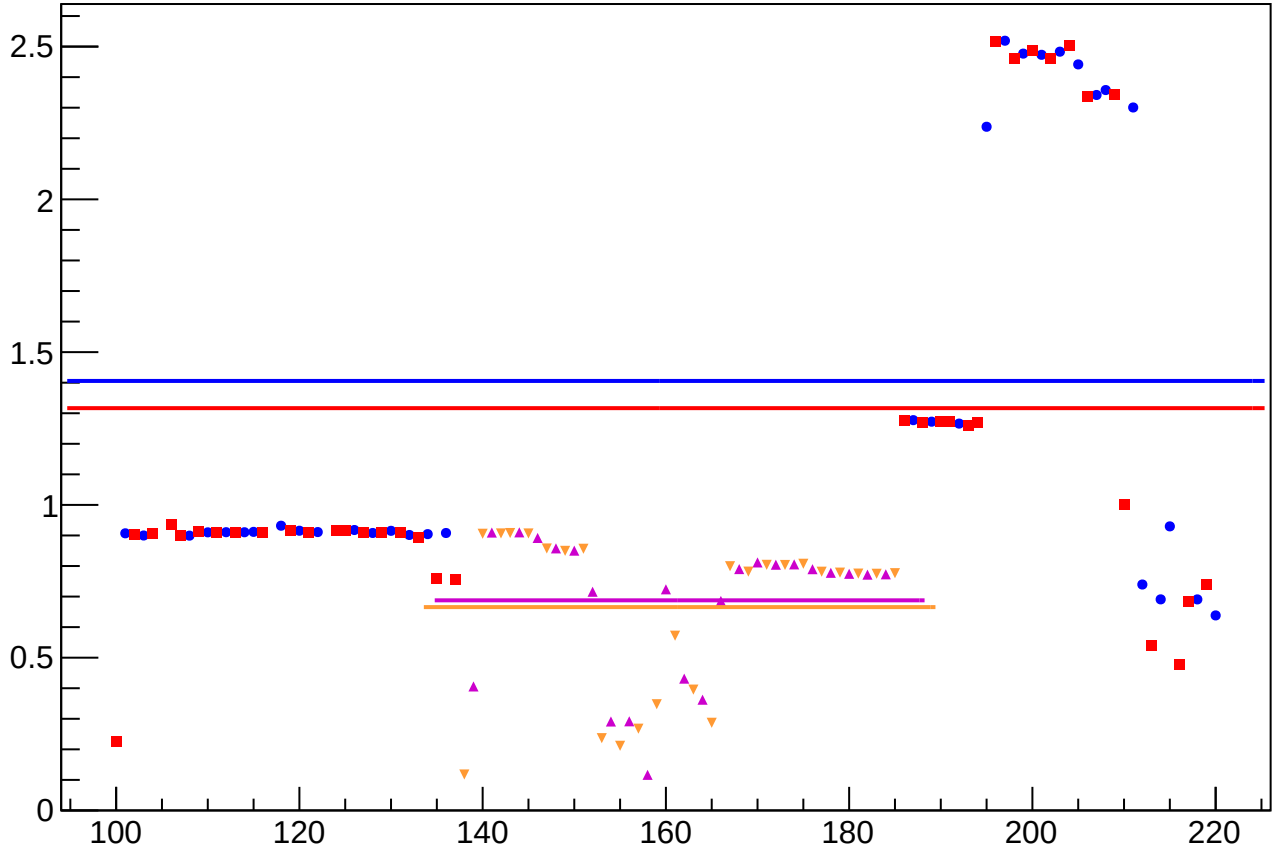
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 13967884.7/57

All: 0.003+/-0.000 χ^2/NDF: 26186065.2/117

- sign 0.003+/-0.000 χ^2/NDF: 12208341.8/59

yield_bpm0l09X_mean vs Slug



Right In: 1.406+/-0.000 χ^2/NDF: 60335492745.1/32

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.317+/-0.000 χ^2/NDF: 57182723540.1/36

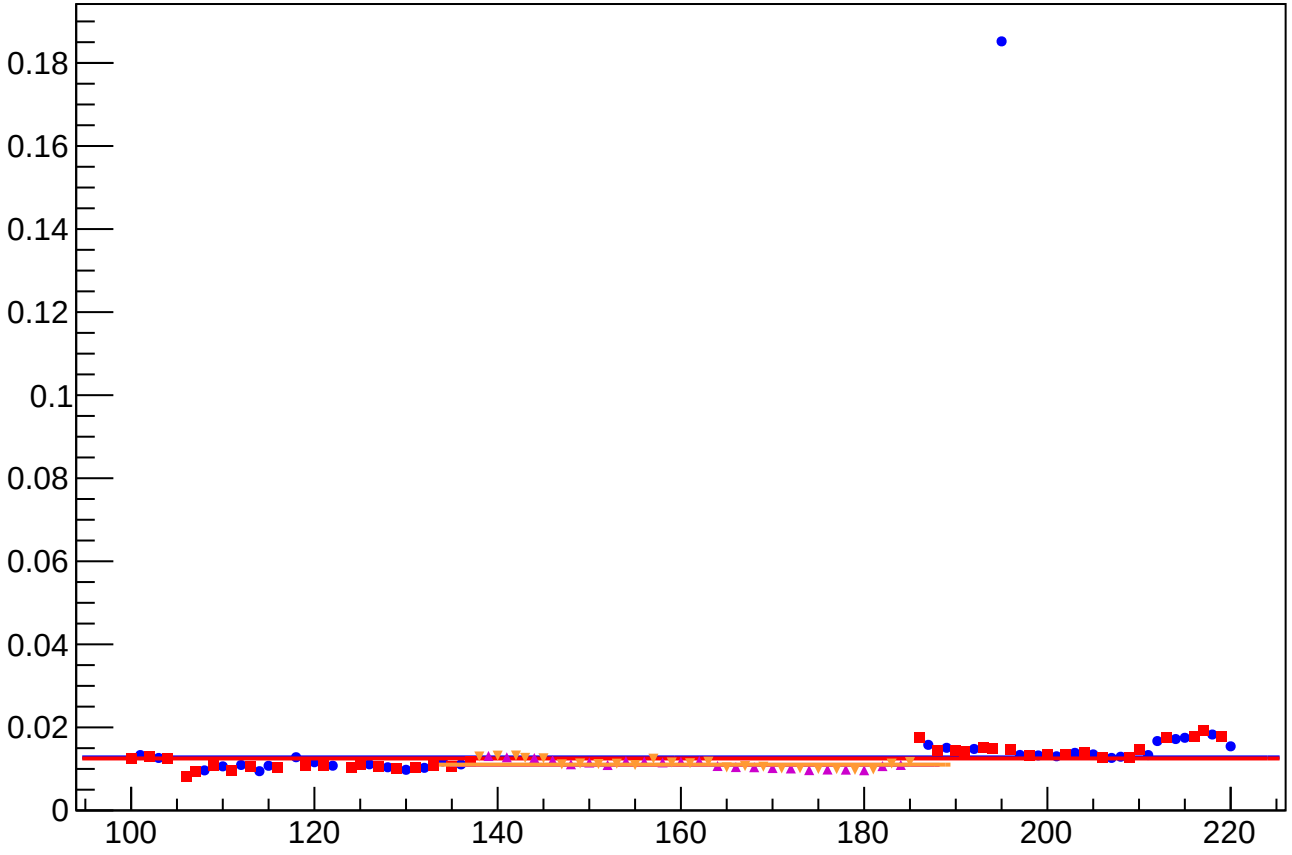
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.988+/-0.000 χ^2/NDF: 105622387118.9/57

All: 0.983+/-0.000 χ^2/NDF: 196323989062.9

- sign 0.978+/-0.000 χ^2/NDF: 90689865307.3/59

yield_bpm0l09X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2622824.9/32

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1506228.5/36

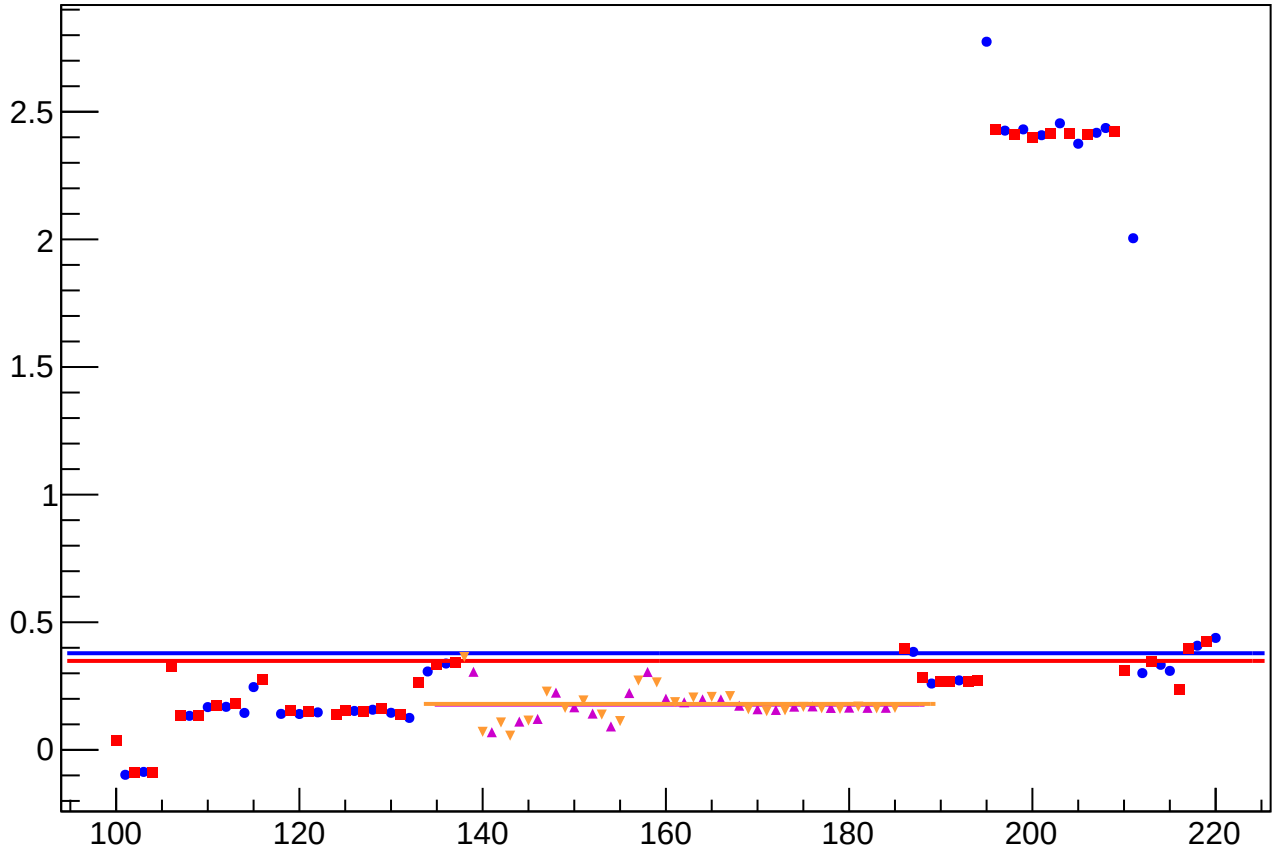
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.012+/-0.000 χ^2/NDF: 3325084.8/57

All: 0.012+/-0.000 χ^2/NDF: 5445262.1/117

- sign 0.012+/-0.000 χ^2/NDF: 2117071.6/59

yield_bpm0l09Y_mean vs Slug



Right In: 0.379+/-0.000 χ^2/NDF: 191753345591.9/32

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.349+/-0.000 χ^2/NDF: 164198897341.1/36

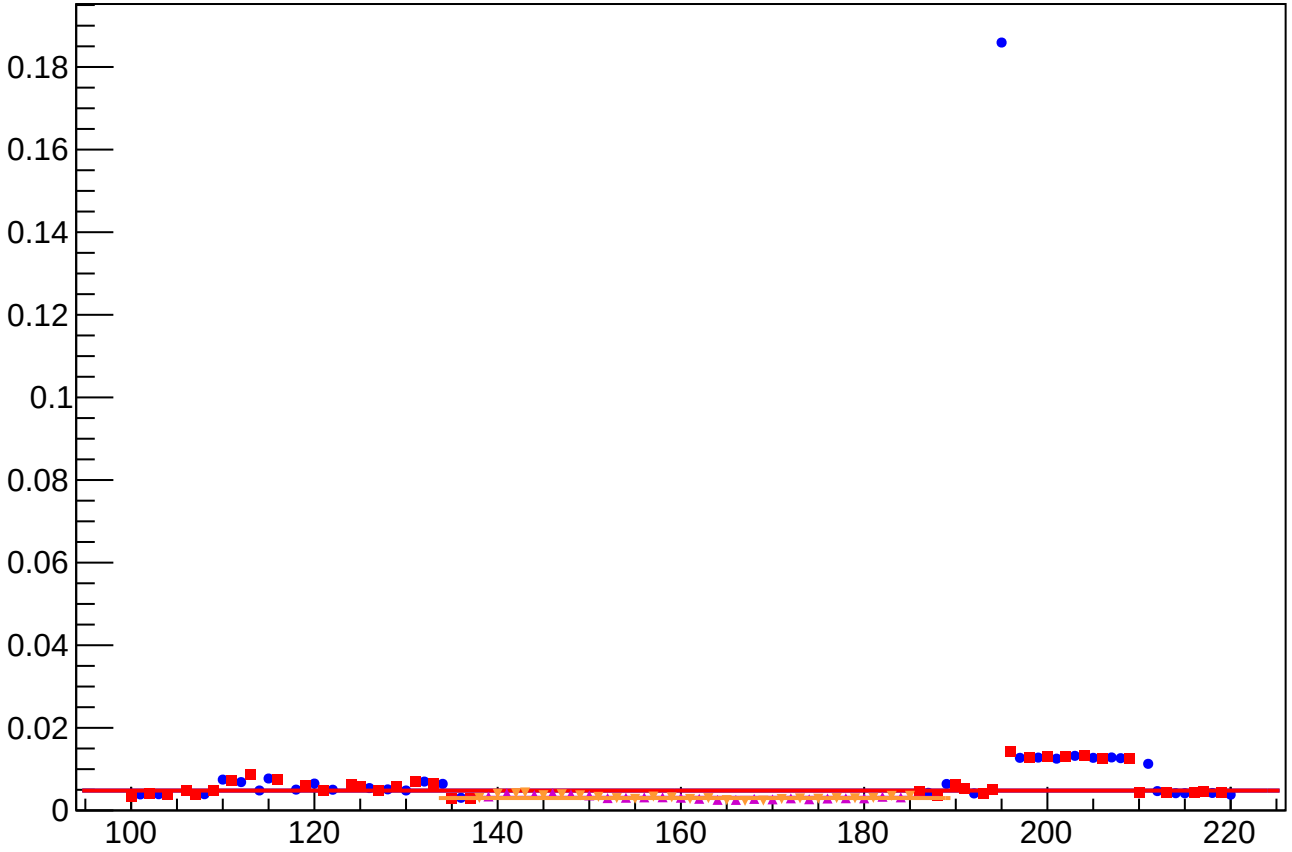
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.230+/-0.000 χ^2/NDF: 217778964593.8/57

All: 0.228+/-0.000 χ^2/NDF: 401354593053.1

- sign 0.226+/-0.000 χ^2/NDF: 183547345259.7/59

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 8103799.4/32

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

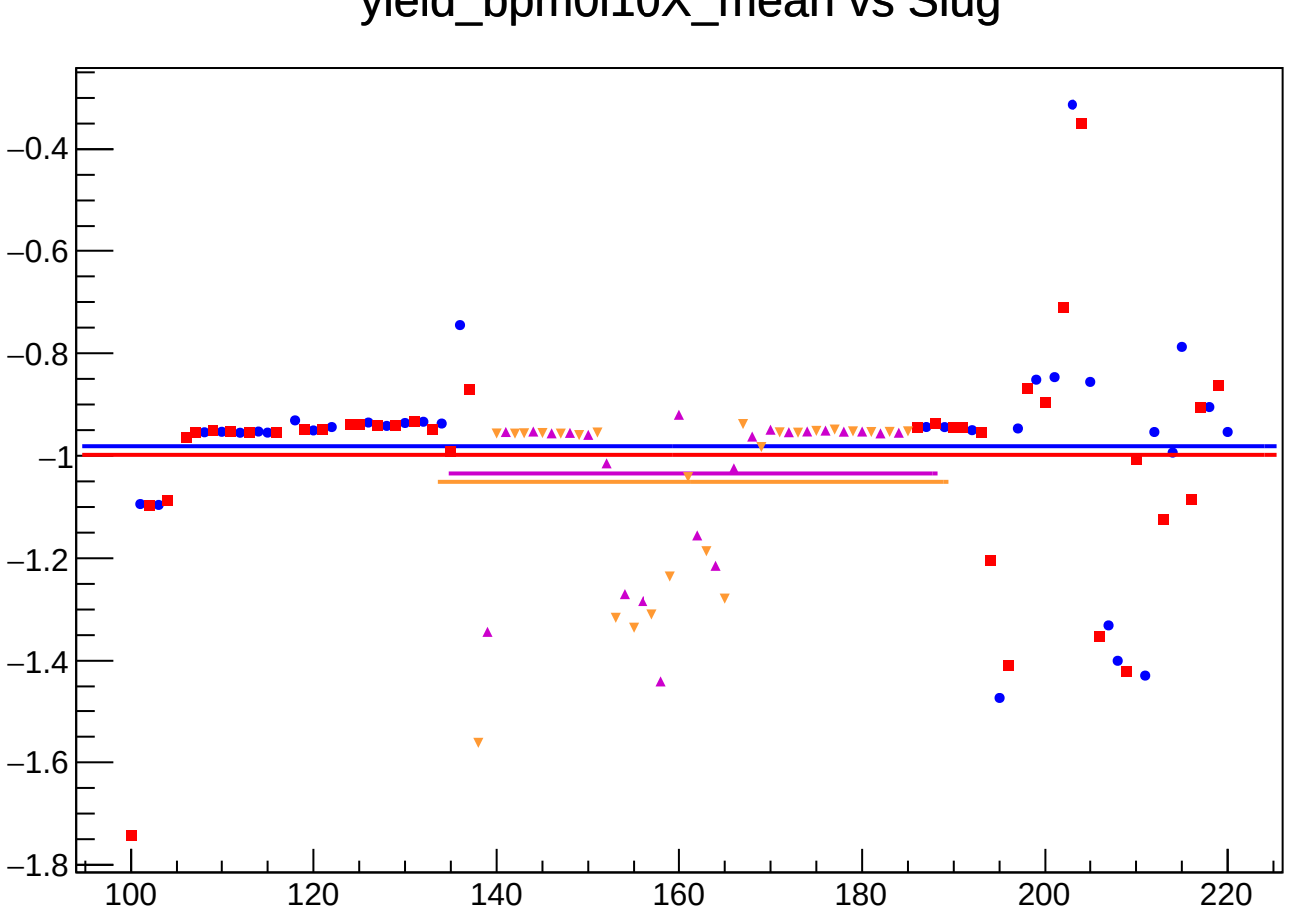
Right Out: 0.005+/-0.000 χ^2/NDF: 6002298.1/36

Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

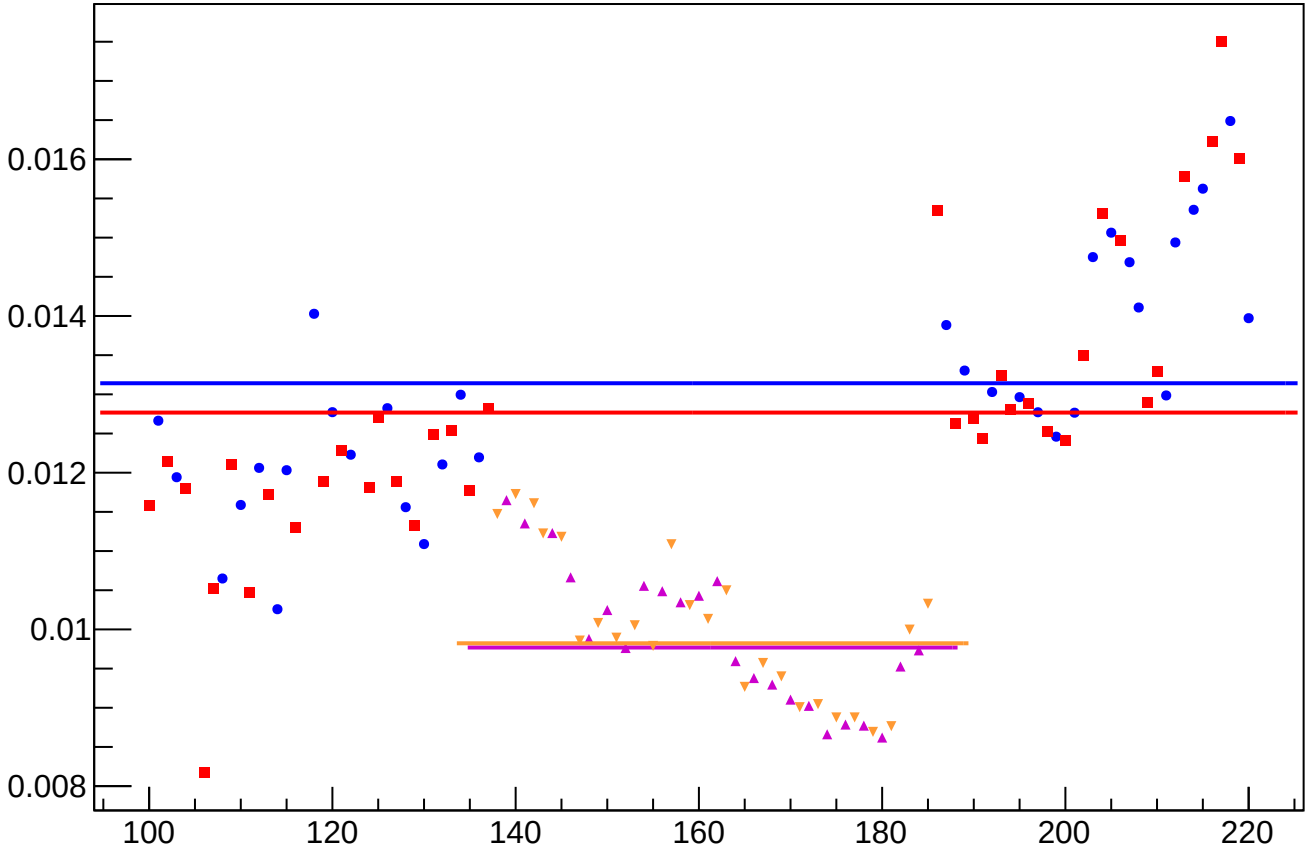
+ sign 0.003+/-0.000 χ^2/NDF: 12252906.1/57

All: 0.004+/-0.000 χ^2/NDF: 21905919.7/117

- sign 0.004+/-0.000 χ^2/NDF: 9625215.6/59


yield_bpm0l10X_mean vs Slug
−0.4
−0.6
−0.8
−1
−1.2
−1.4
−1.6
−1.8
100
120
140
160
180
200
220
Right In: -0.981+/-0.000 χ²/NDF: 5993603578.2/32
Left Out: -1.051+/-0.000 χ²/NDF:5082084184.4/24
Right Out: -0.998+/-0.000 χ²/NDF: 5179381002.9/36
Left In: -1.035+/-0.000 χ²/NDF:3925761523.9/22
+ sign -1.025+/-0.000 χ²/NDF: 11424598520.9/57
All: -1.022+/-0.000 χ²/NDF: 20631485003.7/
- sign -1.020+/-0.000 χ²/NDF: 9203279827.8/59

yield_bpm0l10X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 437412.1/32

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

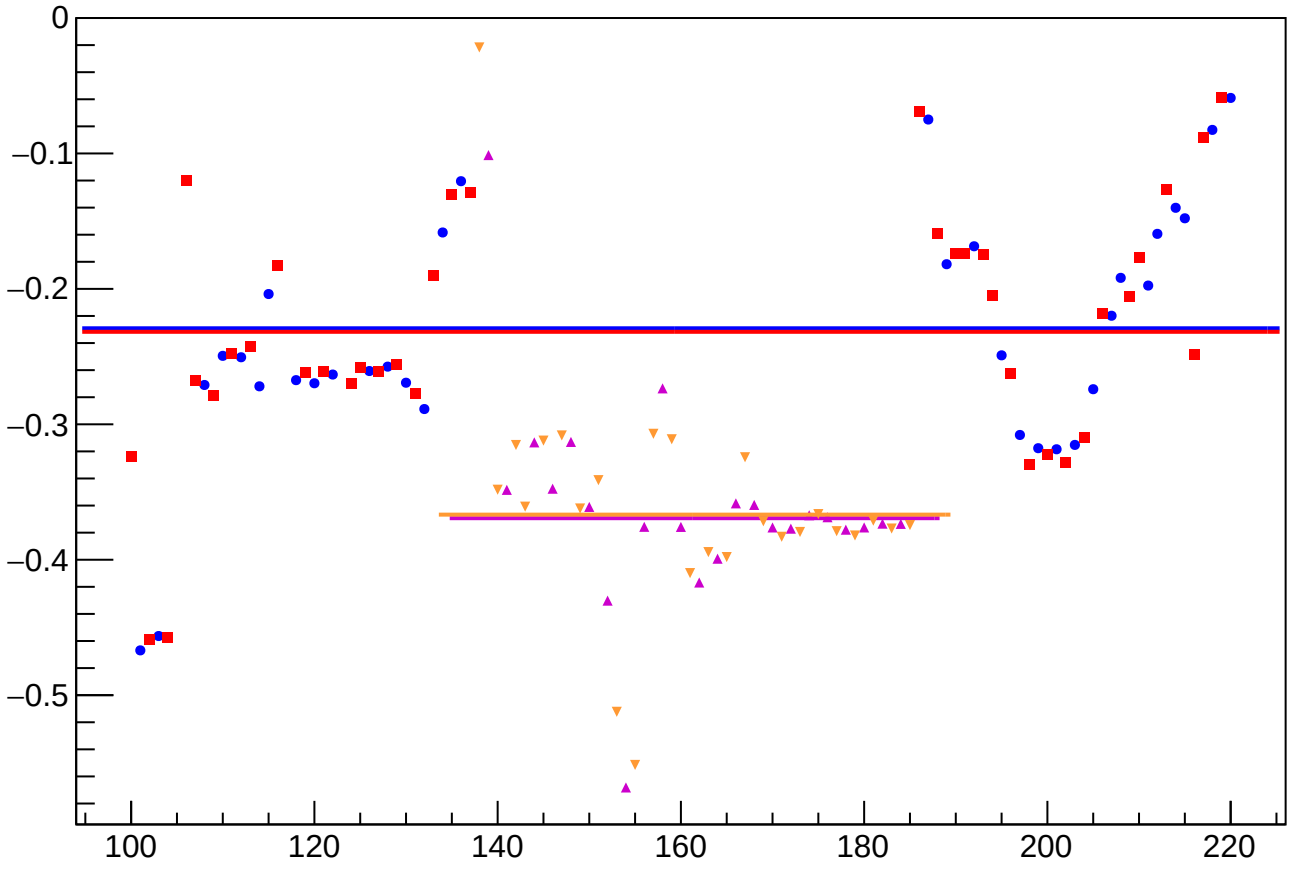
Right Out: 0.013+/-0.000 χ^2/NDF: 759464.0/36

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 2322909.1/57

All: 0.011+/-0.000 χ^2/NDF: 4705381.4/117

- sign 0.011+/-0.000 χ^2/NDF: 2379945.2/59



Right In: -0.229+/-0.000 χ^2/NDF: 13410970960.4/32

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.232+/-0.000 χ^2/NDF: 12442959100.0/36

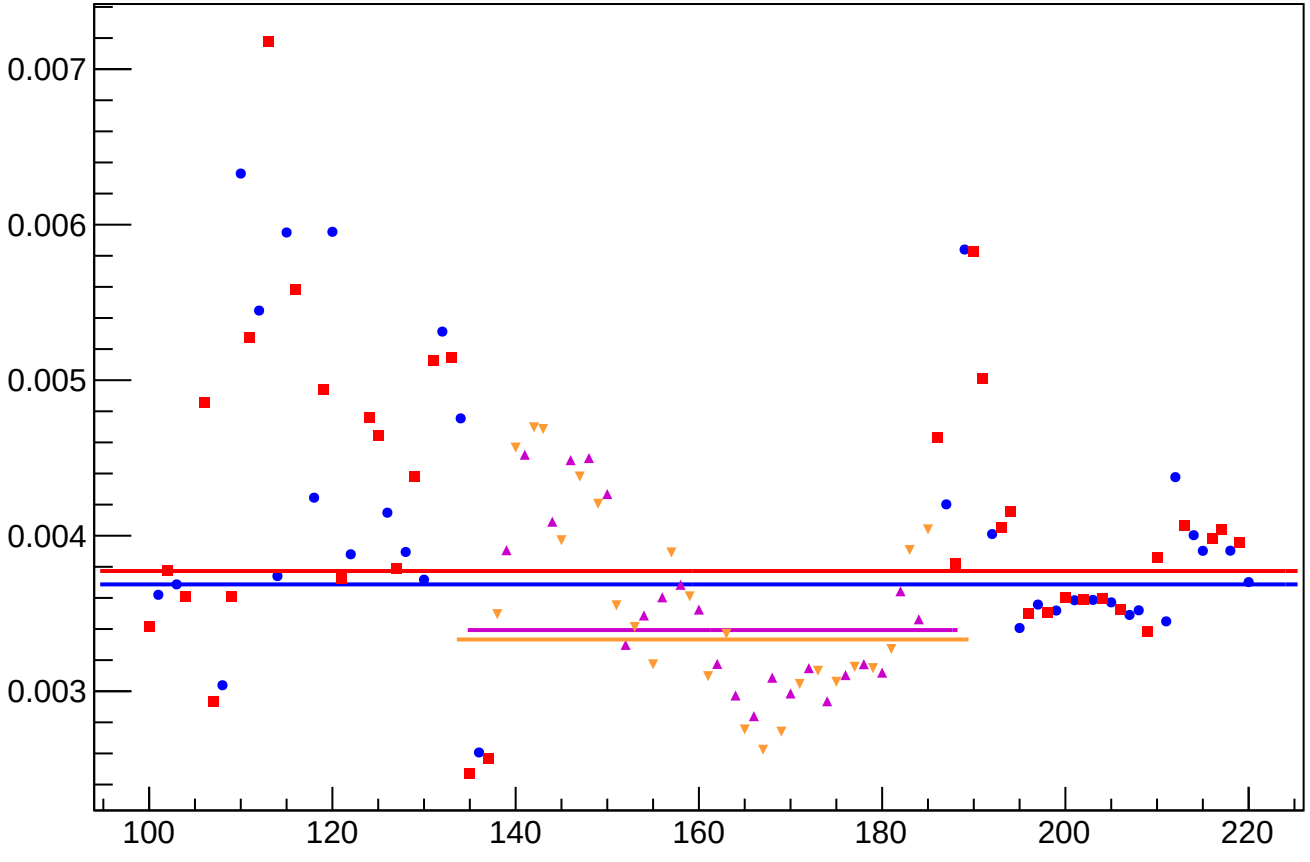
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.302+/-0.000 χ^2/NDF: 39410388729.7/57

All: -0.302+/-0.000 χ^2/NDF: 72697590525.0/

- sign -0.302+/-0.000 χ^2/NDF: 33286975147.6/59

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 981994.5/32

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1139193.3/36

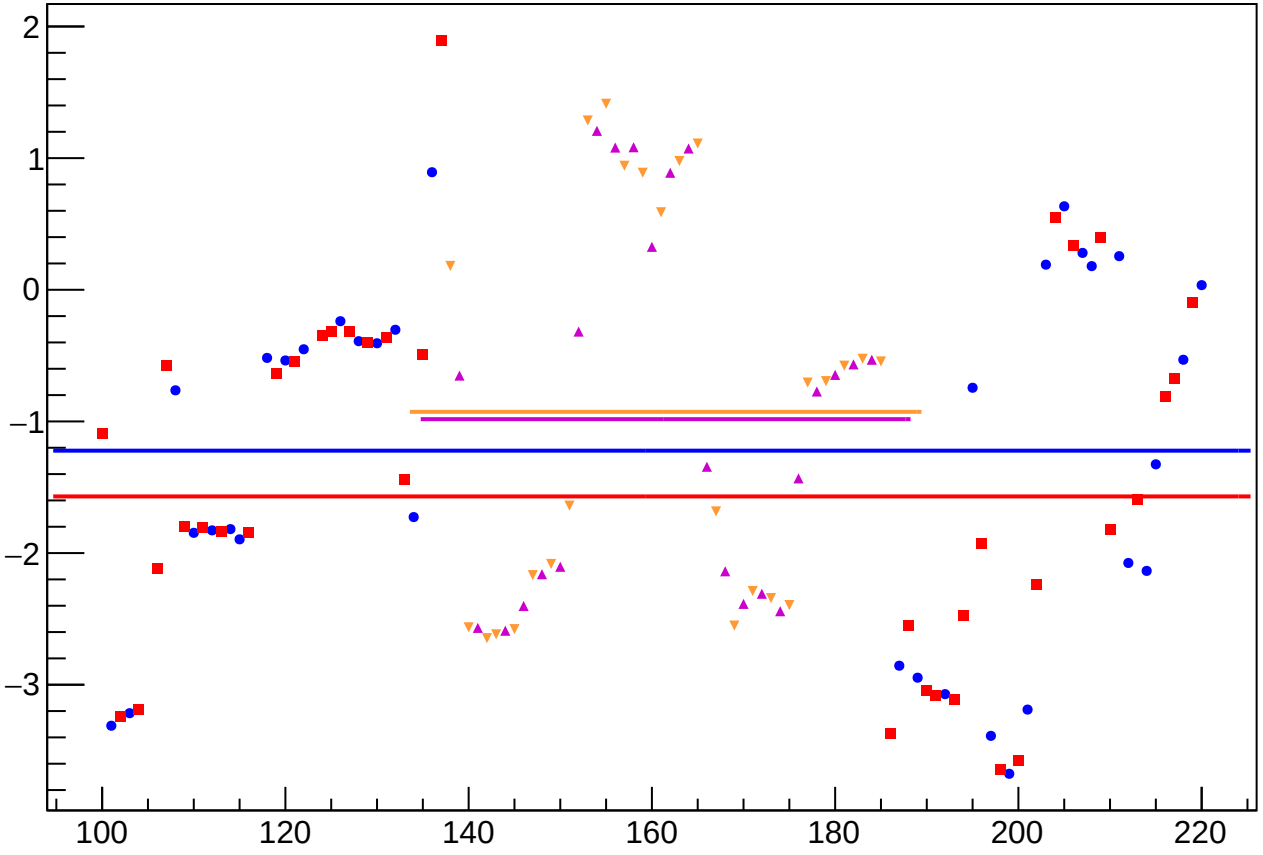
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

\+ sign 0.003+/-0.000 χ^2/NDF: 2025986.0/57

All: 0.004+/-0.000 χ^2/NDF: 4018666.2/117

\- sign 0.004+/-0.000 χ^2/NDF: 1974794.3/59

yield_bpm0r03X_mean vs Slug



Right In: -1.222+/-0.000 χ^2/NDF: 7356572193.3/32

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.570+/-0.000 χ^2/NDF: 6423556263.8/36

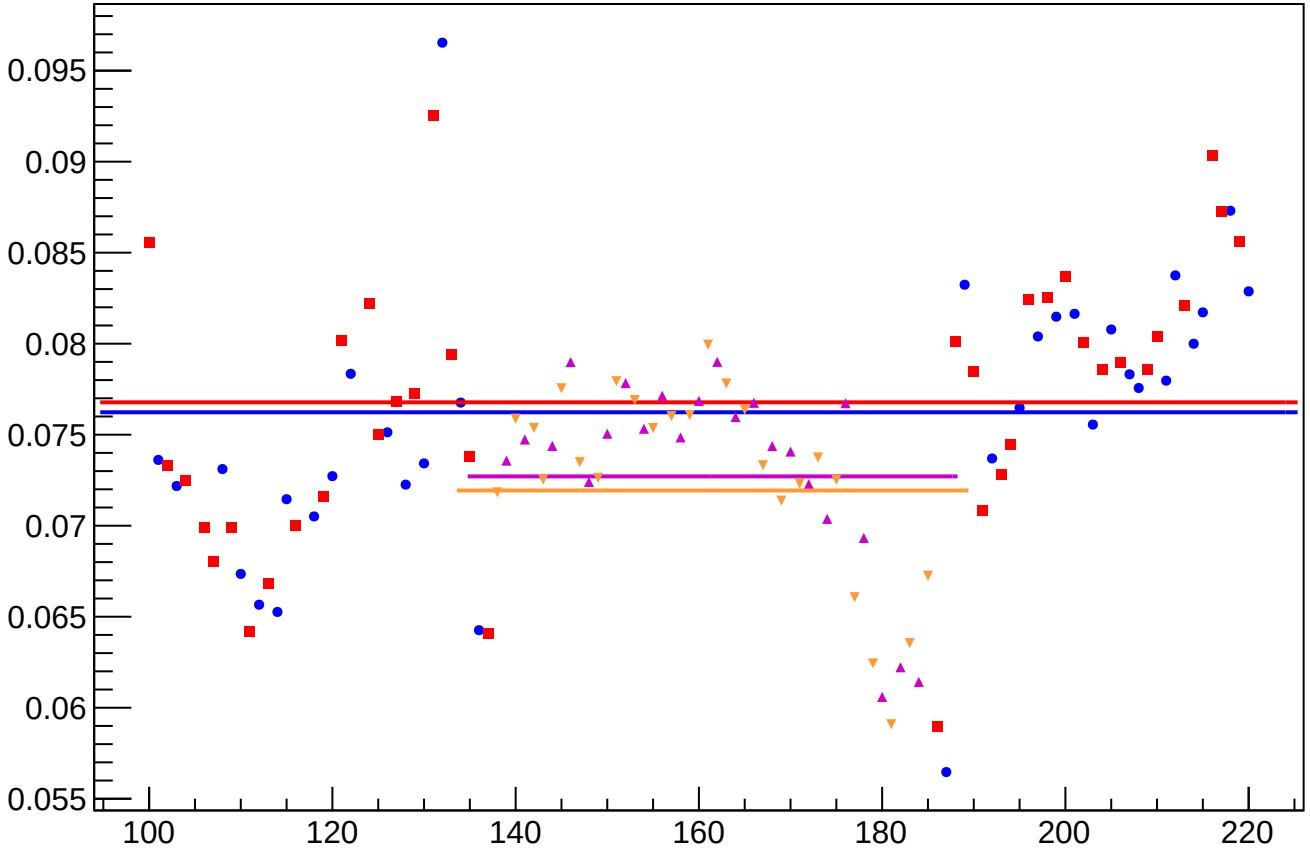
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.072+/-0.000 χ^2/NDF: 14762113726.2/57

All: -1.176+/-0.000 χ^2/NDF: 27863186629.8/

- sign -1.284+/-0.000 χ^2/NDF: 12941700314.3/59

yield_bpm0r03X_rms vs Slug



Right In: 0.076+/-0.000 χ^2/NDF: 306067.7/32

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

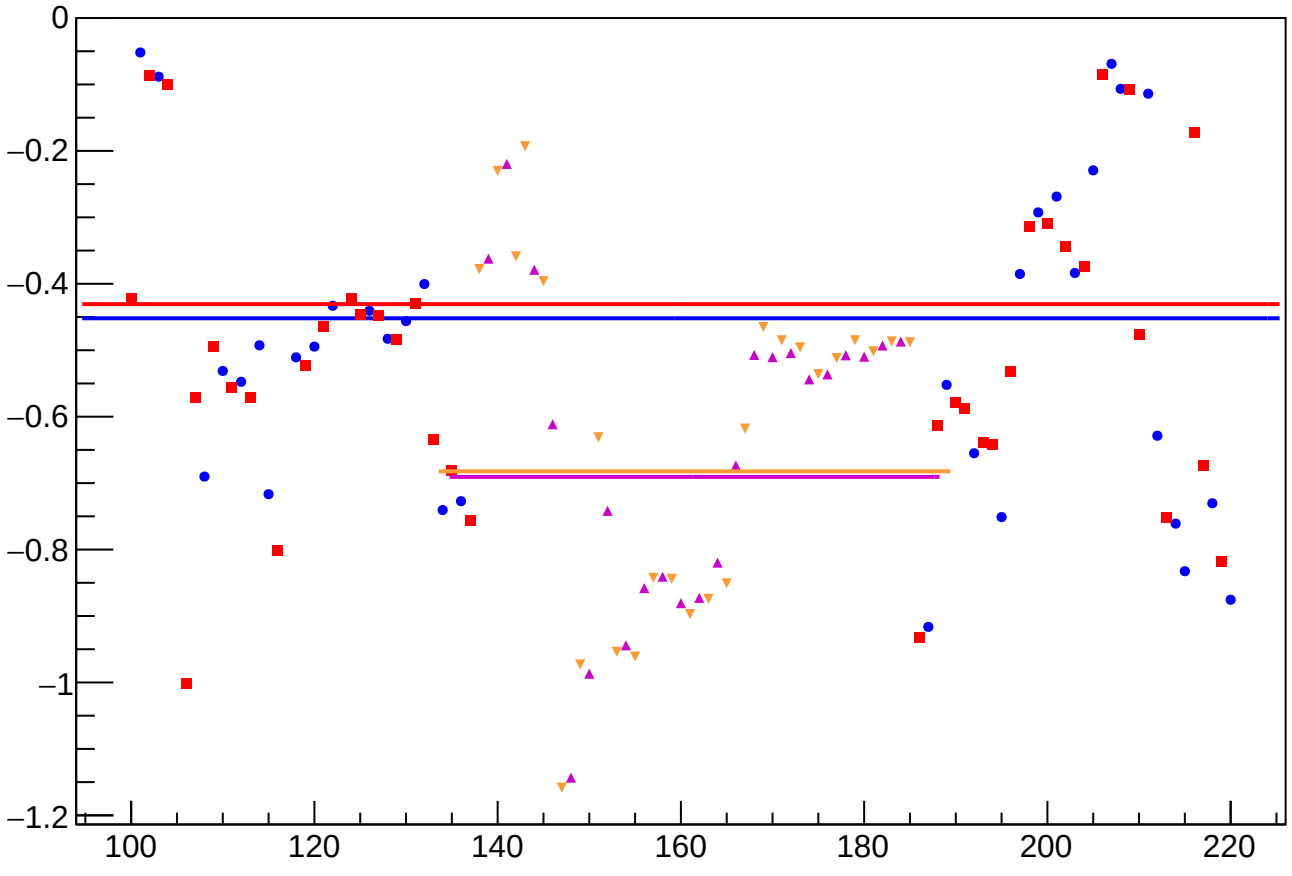
Right Out: 0.077+/-0.000 χ^2/NDF: 348877.6/36

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.074+/-0.000 χ^2/NDF: 608138.2/57

All: 0.074+/-0.000 χ^2/NDF: 1215656.3/117

- sign 0.075+/-0.000 χ^2/NDF: 603505.1/59



Right In: -0.452+/-0.000 χ^2/NDF: 24419352759.2/32

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.431+/-0.000 χ^2/NDF: 15890396985.7/36

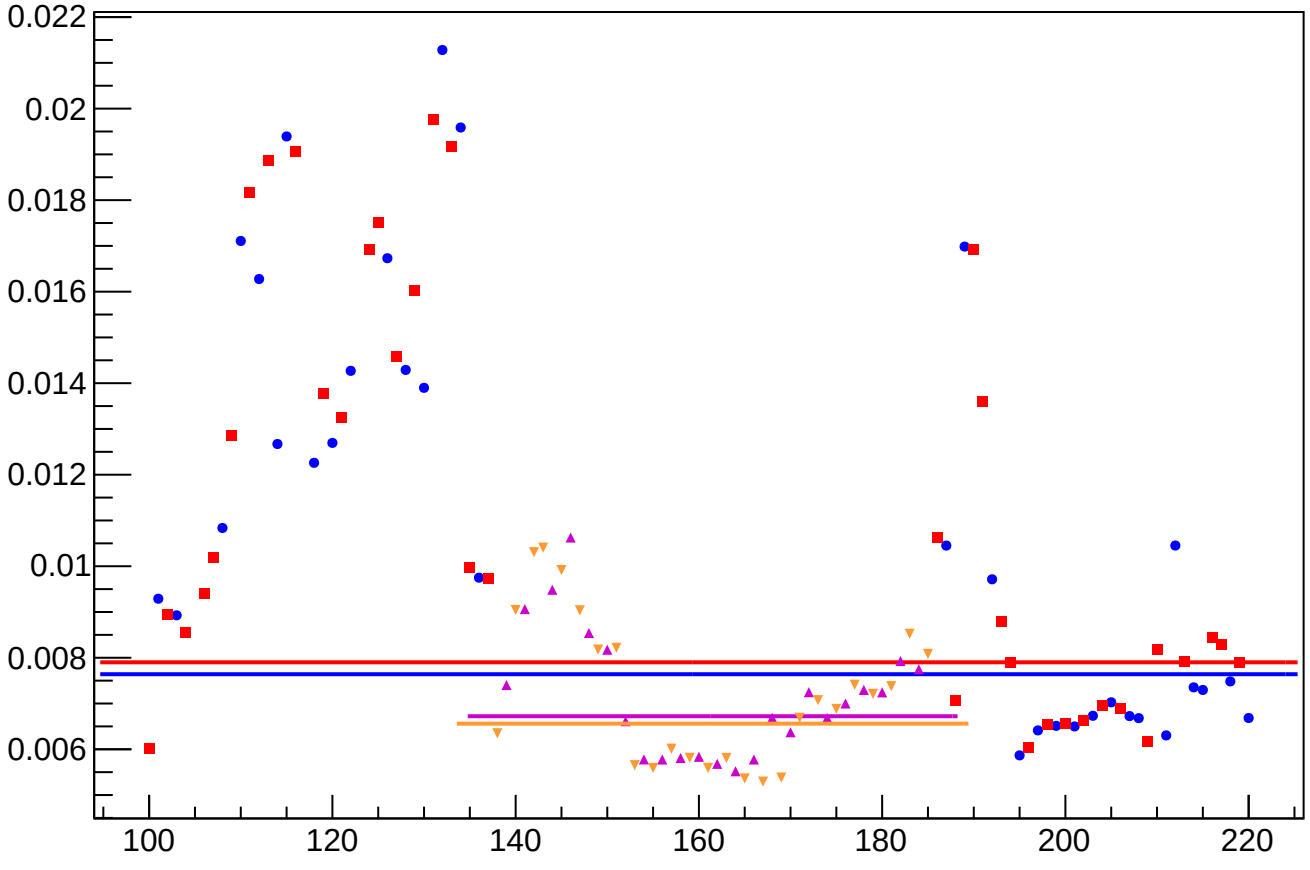
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.583+/-0.000 χ^2/NDF: 55582859344.0/57

All: -0.580+/-0.000 χ^2/NDF: 99308995771.2/

- sign -0.576+/-0.000 χ^2/NDF: 43712345395.4/59

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3231535.8/32

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

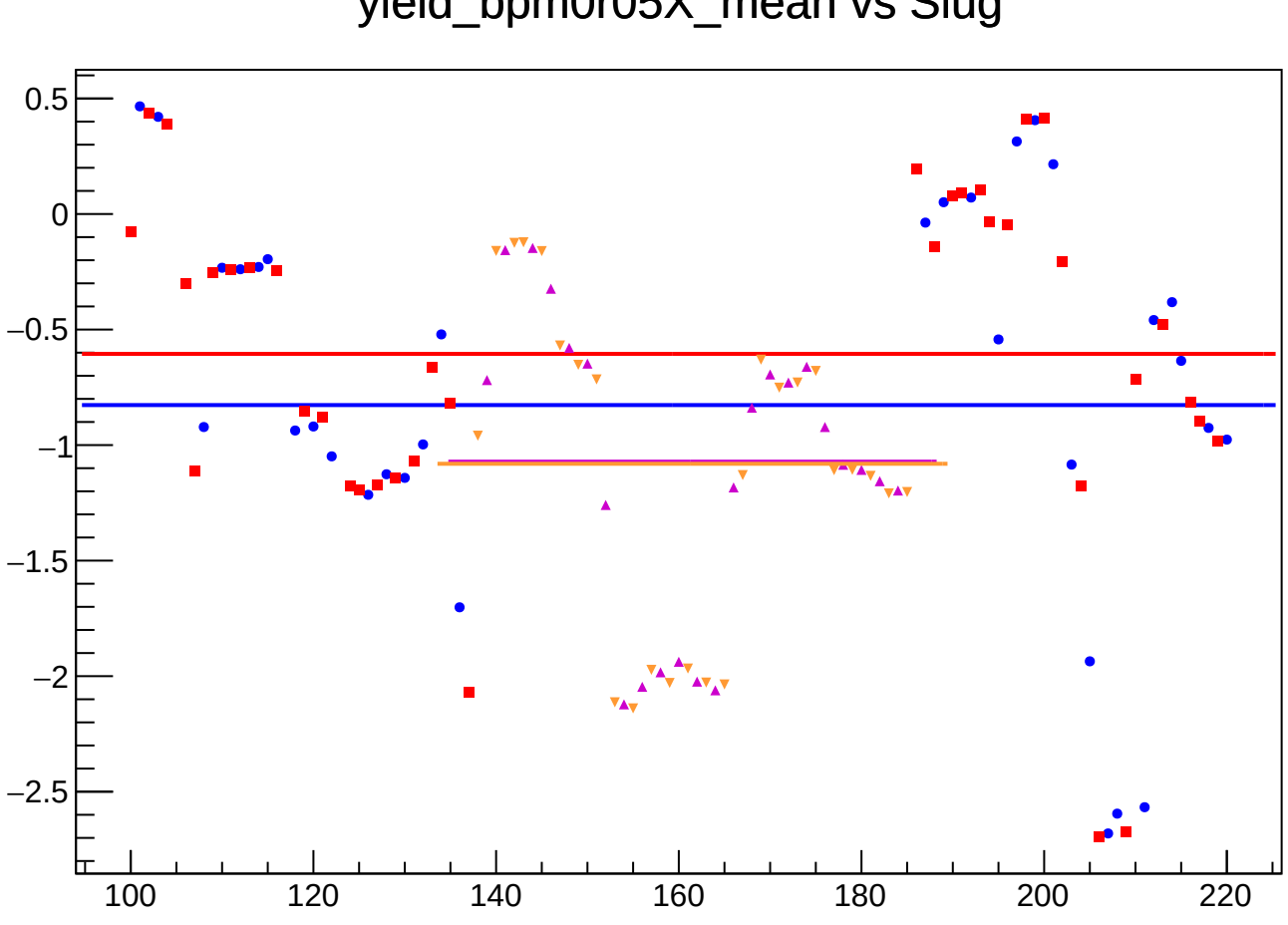
Right Out: 0.008+/-0.000 χ^2/NDF: 3266763.0/36

Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 5046591.3/57

All: 0.007+/-0.000 χ^2/NDF: 9755662.7/117

- sign 0.007+/-0.000 χ^2/NDF: 4677948.9/59



Right In: -0.827+/-0.000 χ^2/NDF: 1989008307.0/32

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.605+/-0.000 χ^2/NDF: 1684275067.3/36

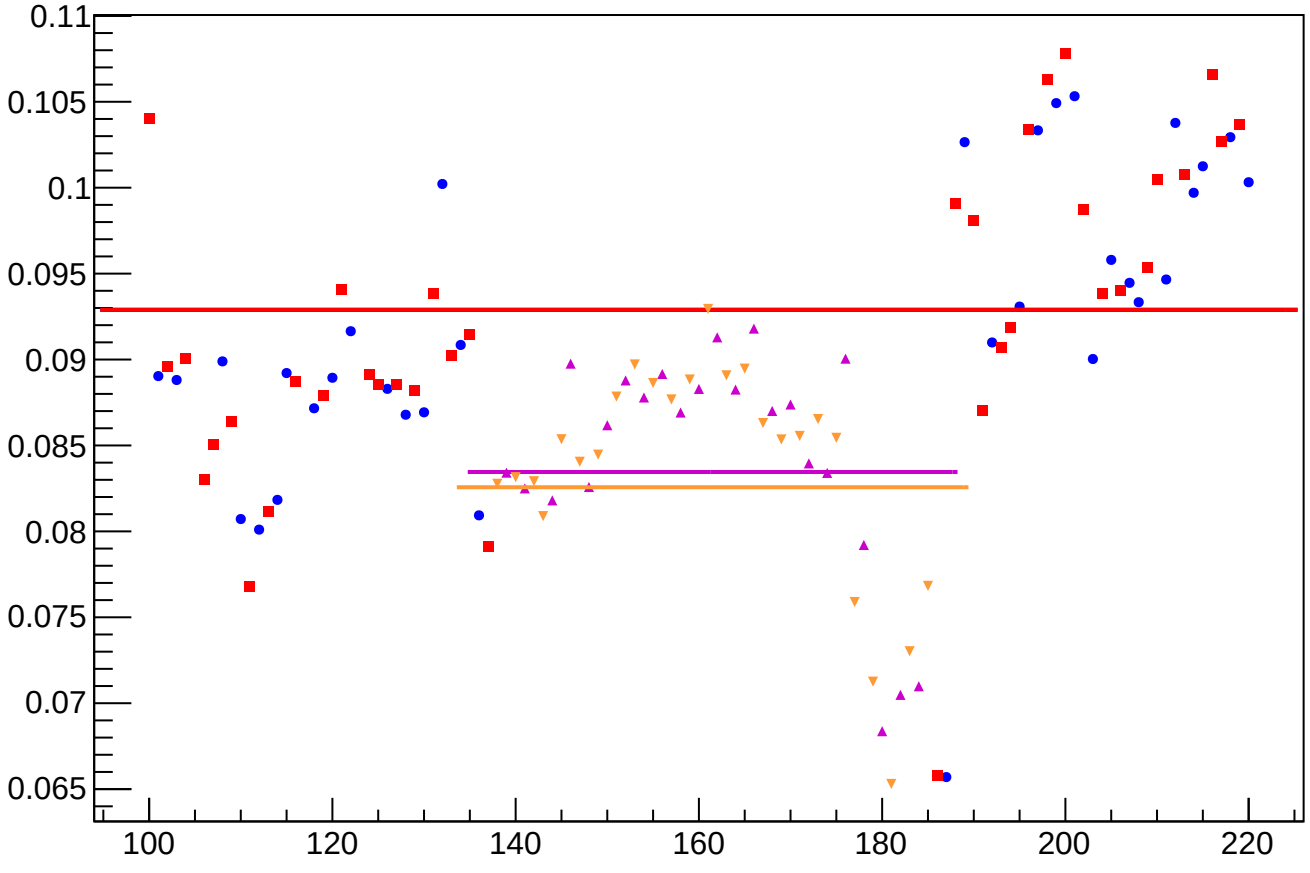
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.963+/-0.000 χ^2/NDF: 3224942641.8/57

All: -0.905+/-0.000 χ^2/NDF: 6195873030.9/1

- sign -0.845+/-0.000 χ^2/NDF: 2934706098.9/59

yield_bpm0r05X_rms vs Slug



Right In: 0.093+/-0.000 χ^2/NDF: 321187.8/32

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.093+/-0.000 χ^2/NDF: 425221.8/36

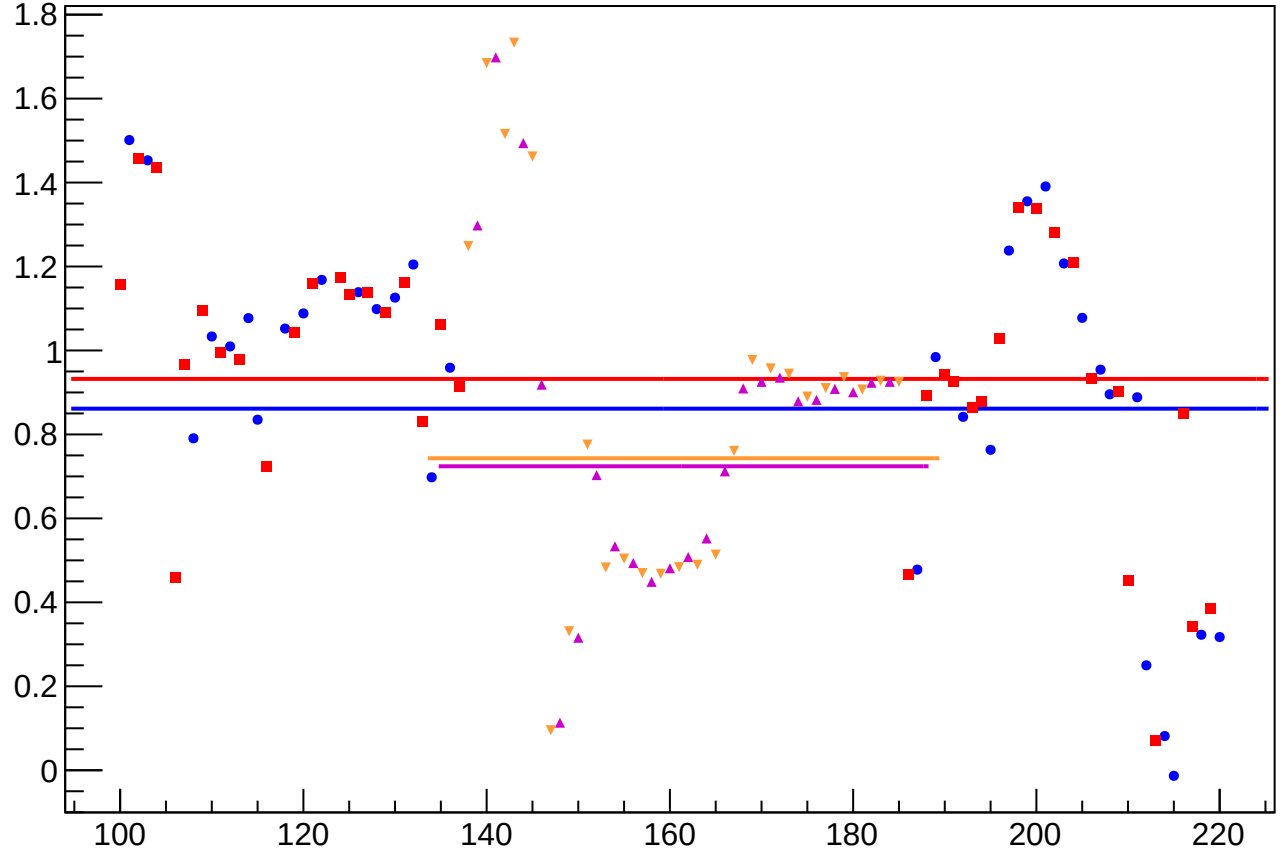
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.087+/-0.000 χ^2/NDF: 888495.6/57

All: 0.088+/-0.000 χ^2/NDF: 1780101.1/117

- sign 0.088+/-0.000 χ^2/NDF: 889011.7/59

yield_bpm0r05Y_mean vs Slug



Right In: 0.861+/-0.000 χ^2/NDF: 27932997526.1/32

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 0.932+/-0.000 χ^2/NDF: 17932029082.3/36

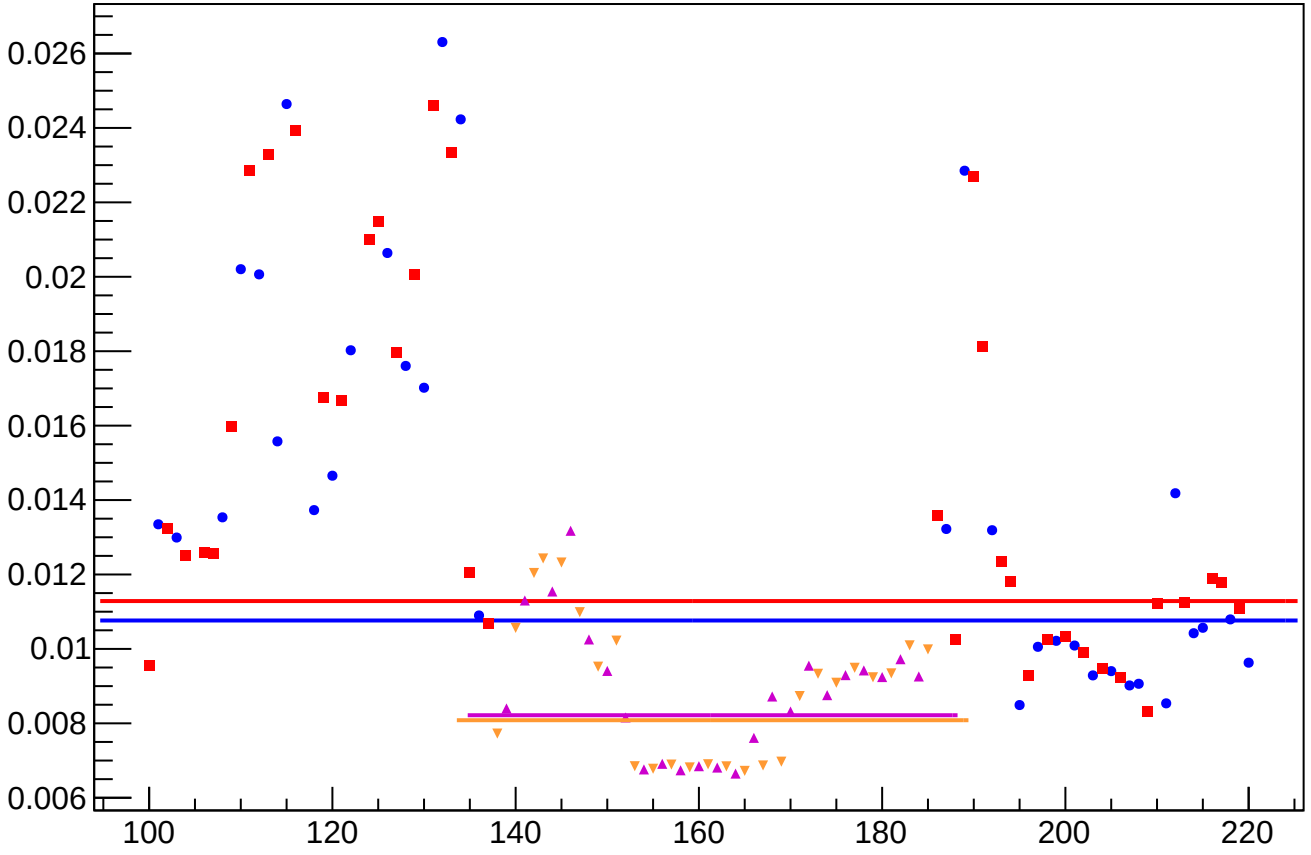
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.787+/-0.000 χ^2/NDF: 61916492151.7/57

All: 0.794+/-0.000 χ^2/NDF: 109508590709.3

- sign 0.801+/-0.000 χ^2/NDF: 47551181389.4/59

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 2424175.7/32

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.011+/-0.000 χ^2/NDF: 2464288.7/36

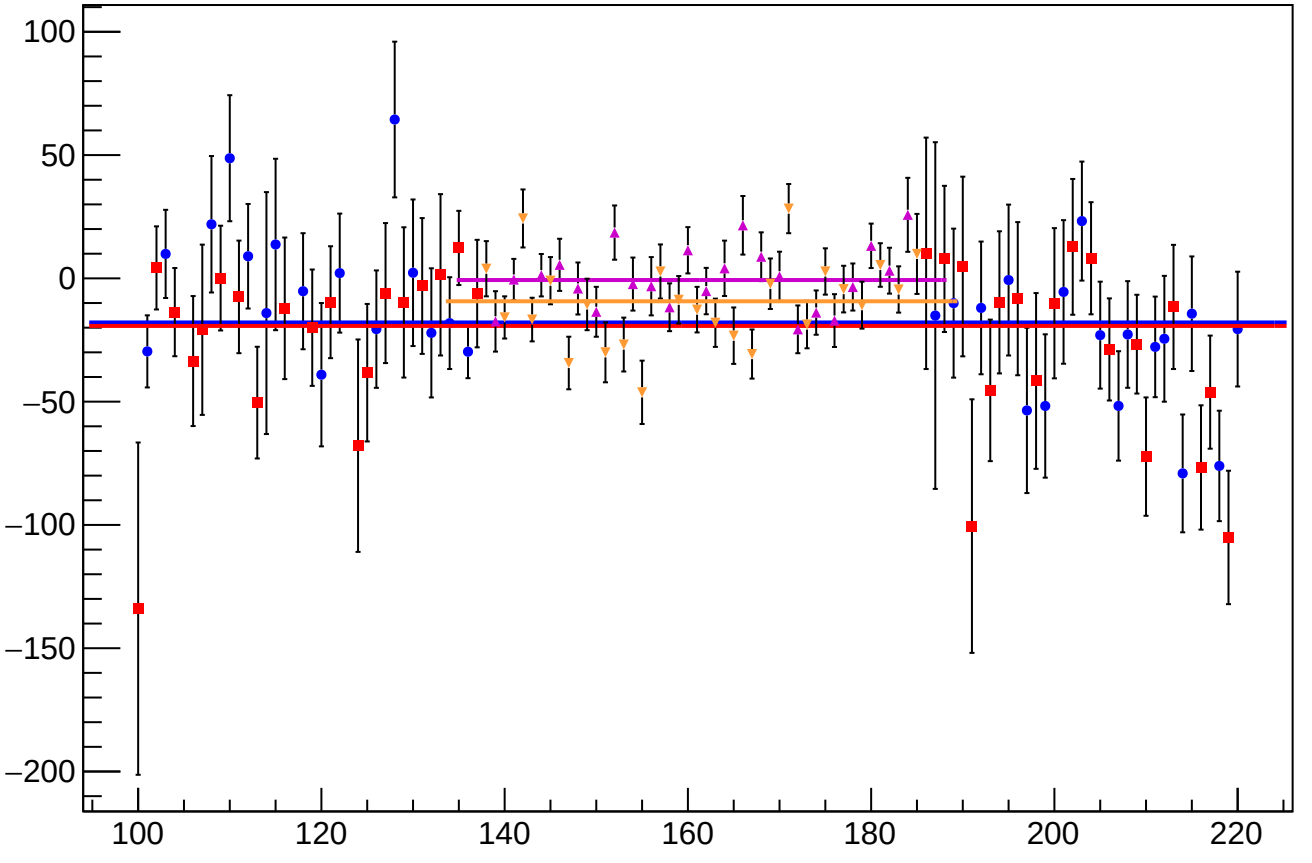
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 5272833.4/57

All: 0.009+/-0.000 χ^2/NDF: 10619437.8/117

- sign 0.009+/-0.000 χ^2/NDF: 5315236.3/59

diff_bpm4aX_mean vs Slug



Right In: -17.885+/-4.012 χ^2/NDF: 46.5/32

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

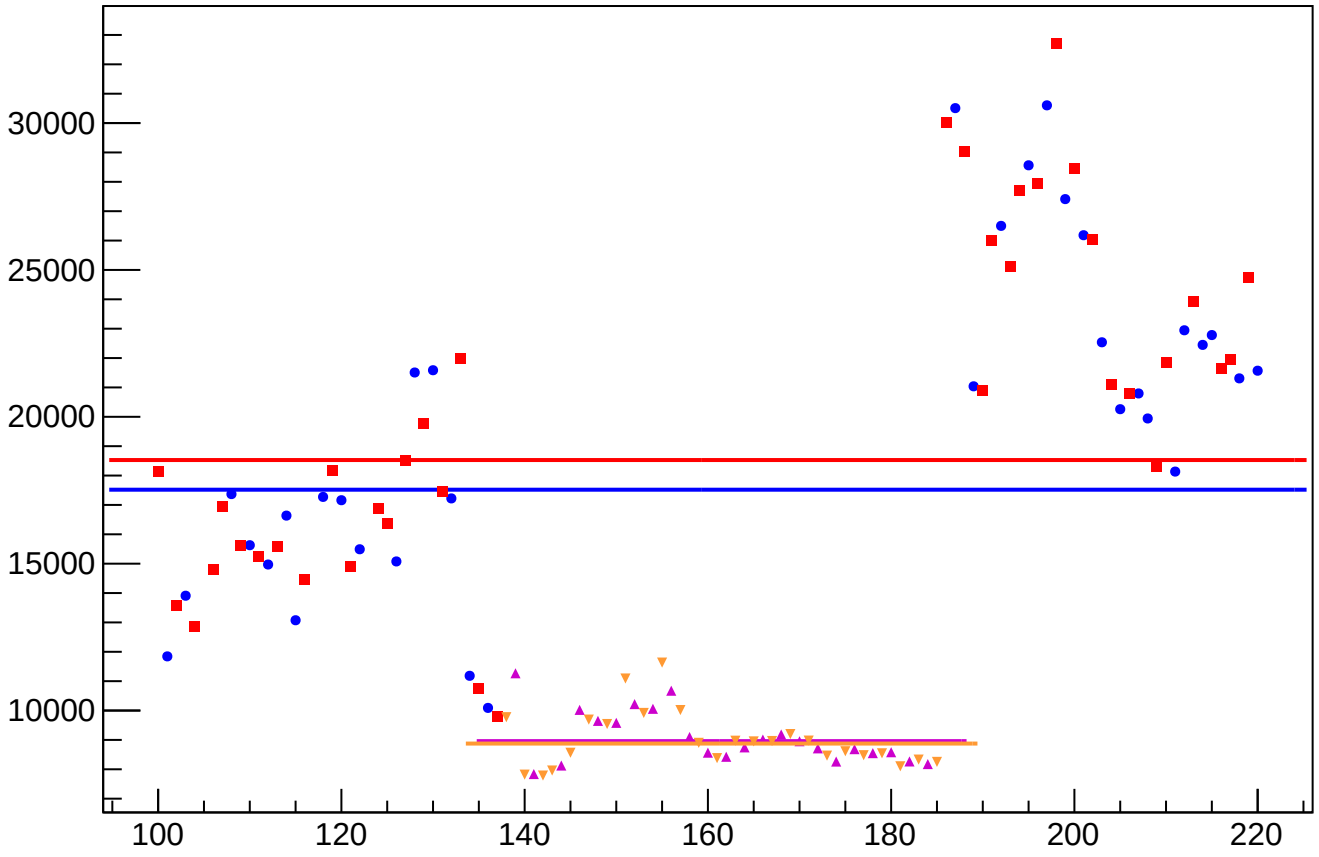
Right Out: -19.288+/-4.175 χ^2/NDF: 46.5/36

Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -11.044+/-1.812 χ^2/NDF: 111.3/57

All: -7.865+/-1.304 χ^2/NDF: 209.4/117

- sign -4.446+/-1.879 χ^2/NDF: 91.8/59



Right In: 17518.440+/-2.837 χ^2/NDF: 3626930.9/32

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 18528.094+/-2.952 χ^2/NDF: 3472044.6/36

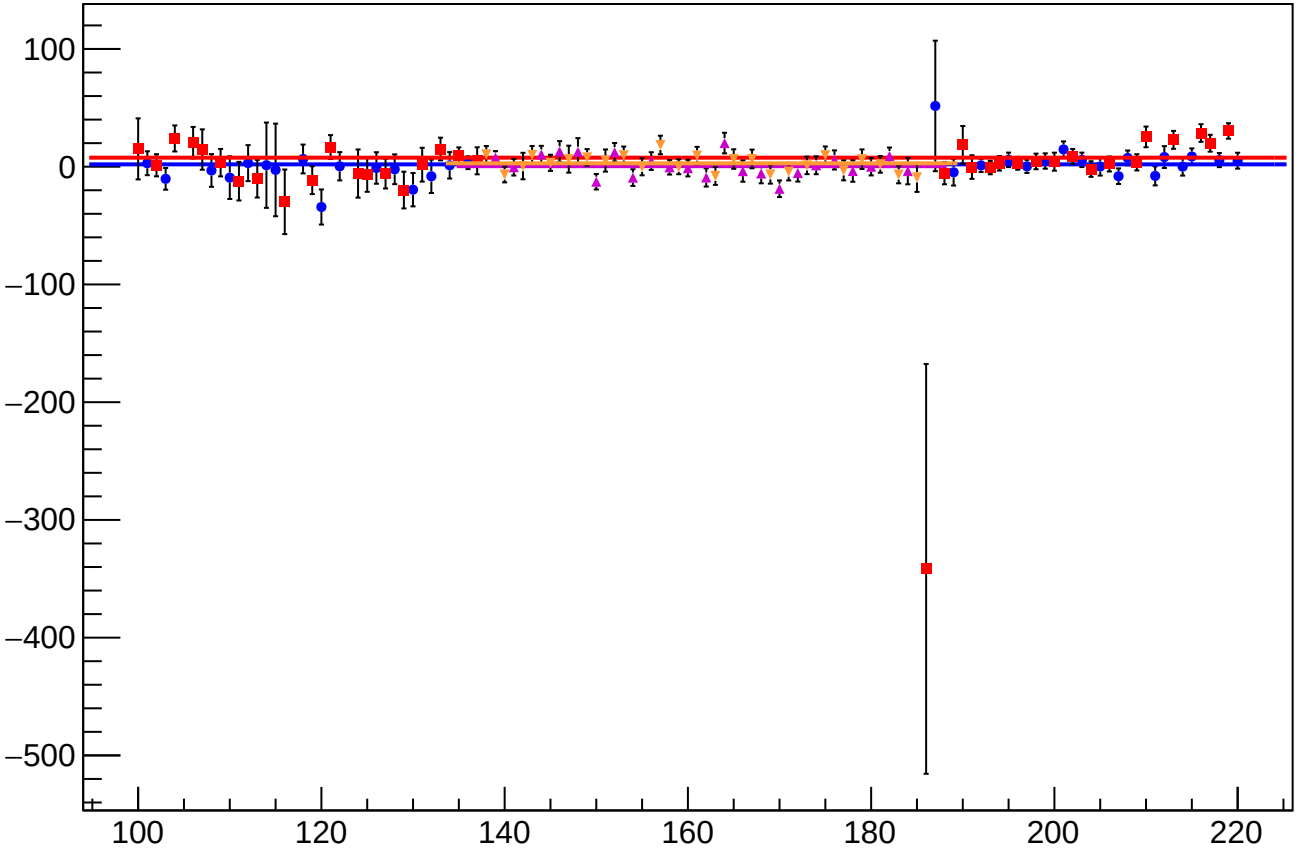
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

+ sign 10637.942+/-1.281 χ^2/NDF: 11361879.2/57

All: 10762.737+/-0.922 χ^2/NDF: 23533902.3

- sign 10896.970+/-1.329 χ^2/NDF: 12152327.8/59

diff_bpm4aY_mean vs Slug



Right In: 1.991+/-1.463 χ^2/NDF: 23.8/32

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

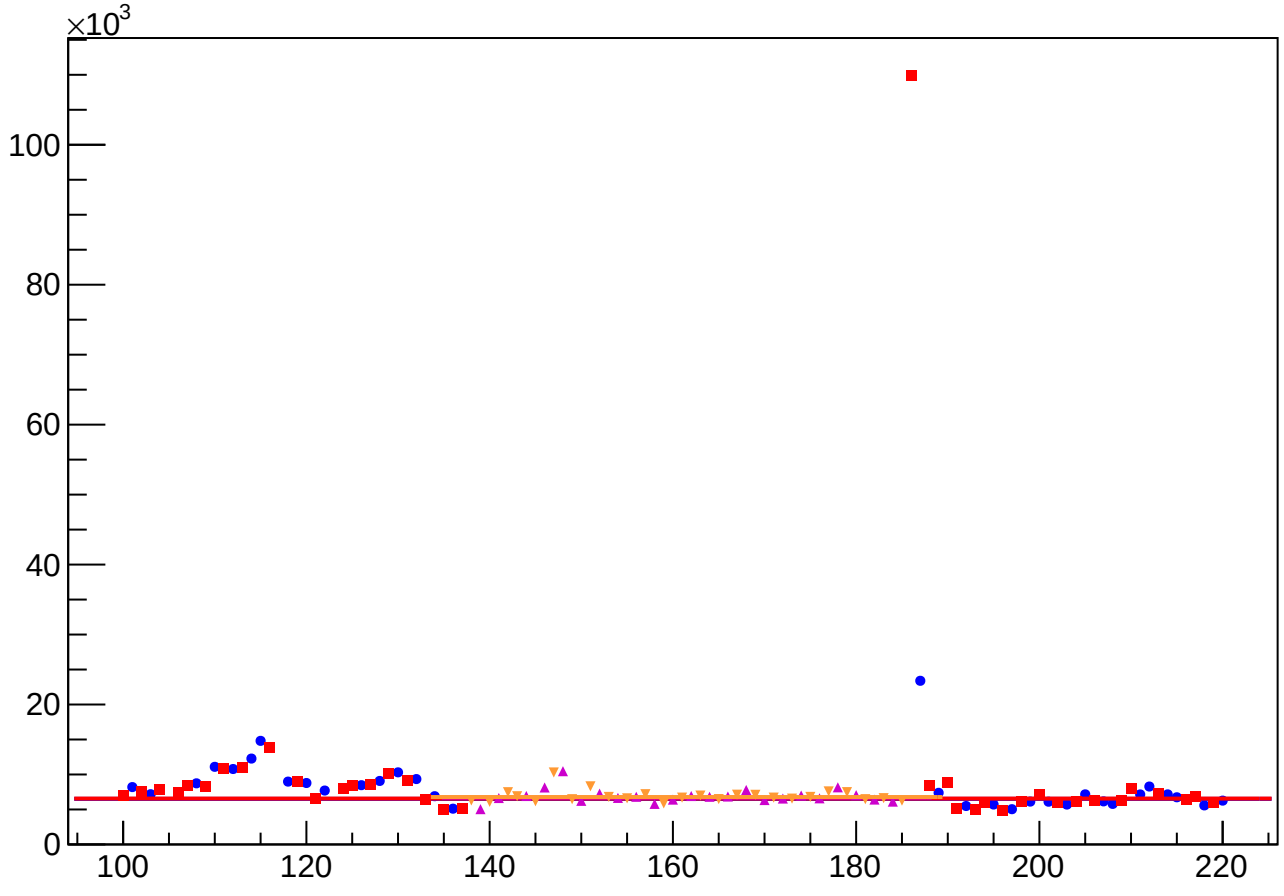
Right Out: 7.669+/-1.467 χ^2/NDF: 63.4/36

Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 2.408+/-1.065 χ^2/NDF: 43.4/57

All: 3.360+/-0.757 χ^2/NDF: 152.4/117

- sign 4.332+/-1.076 χ^2/NDF: 107.4/59



Right In: 6512.126+/-1.034 χ^2/NDF: 1855195.5/32

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

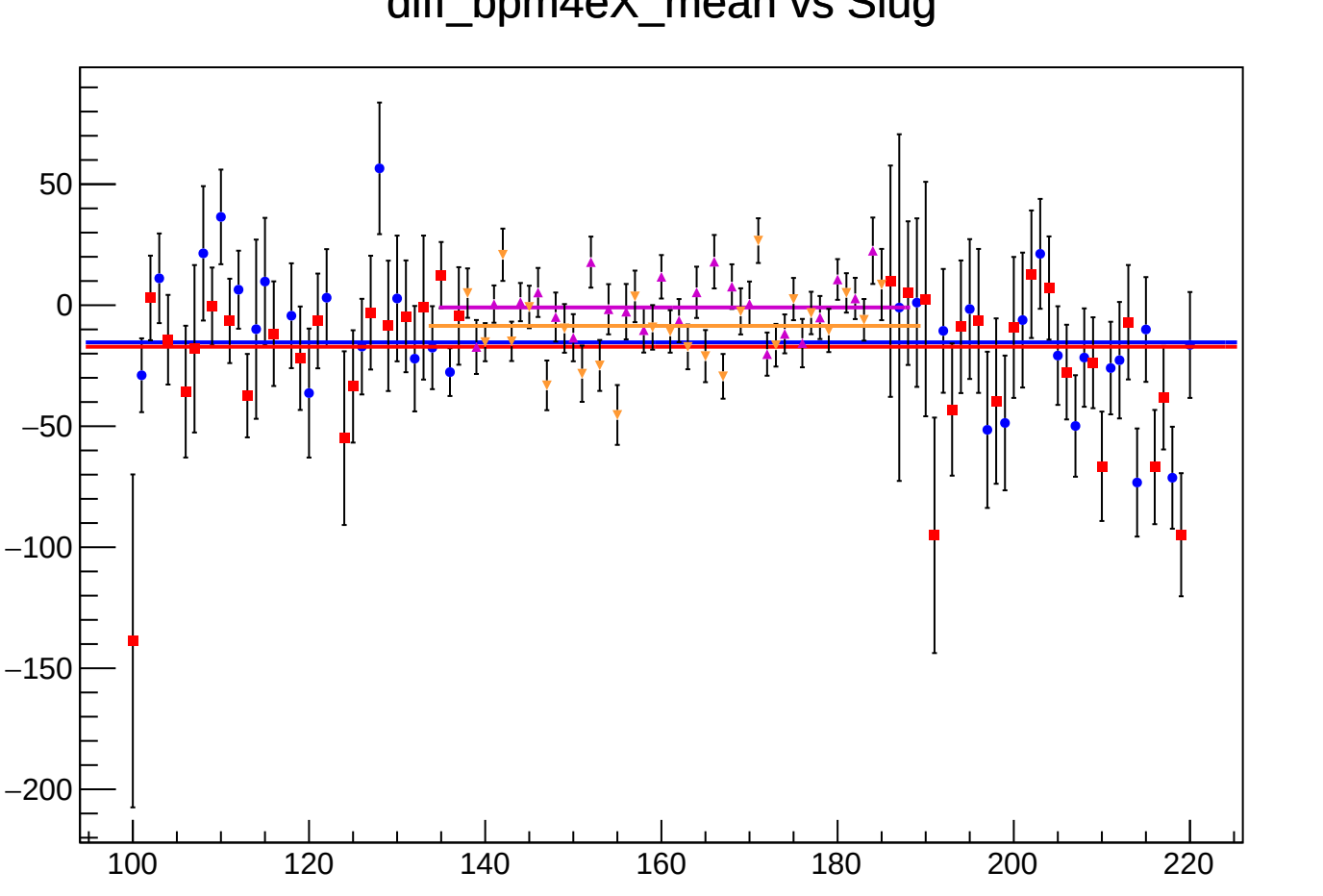
Right Out: 6555.912+/-1.038 χ^2/NDF: 2418304.3/36

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6636.453+/-0.753 χ^2/NDF: 2286115.4/57

All: 6627.192+/-0.535 χ^2/NDF: 5332675.9/11

- sign 6617.744+/-0.761 χ^2/NDF: 3046255.0/59



Right In: -15.337+/-3.685 χ^2/NDF: 48.3/32

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

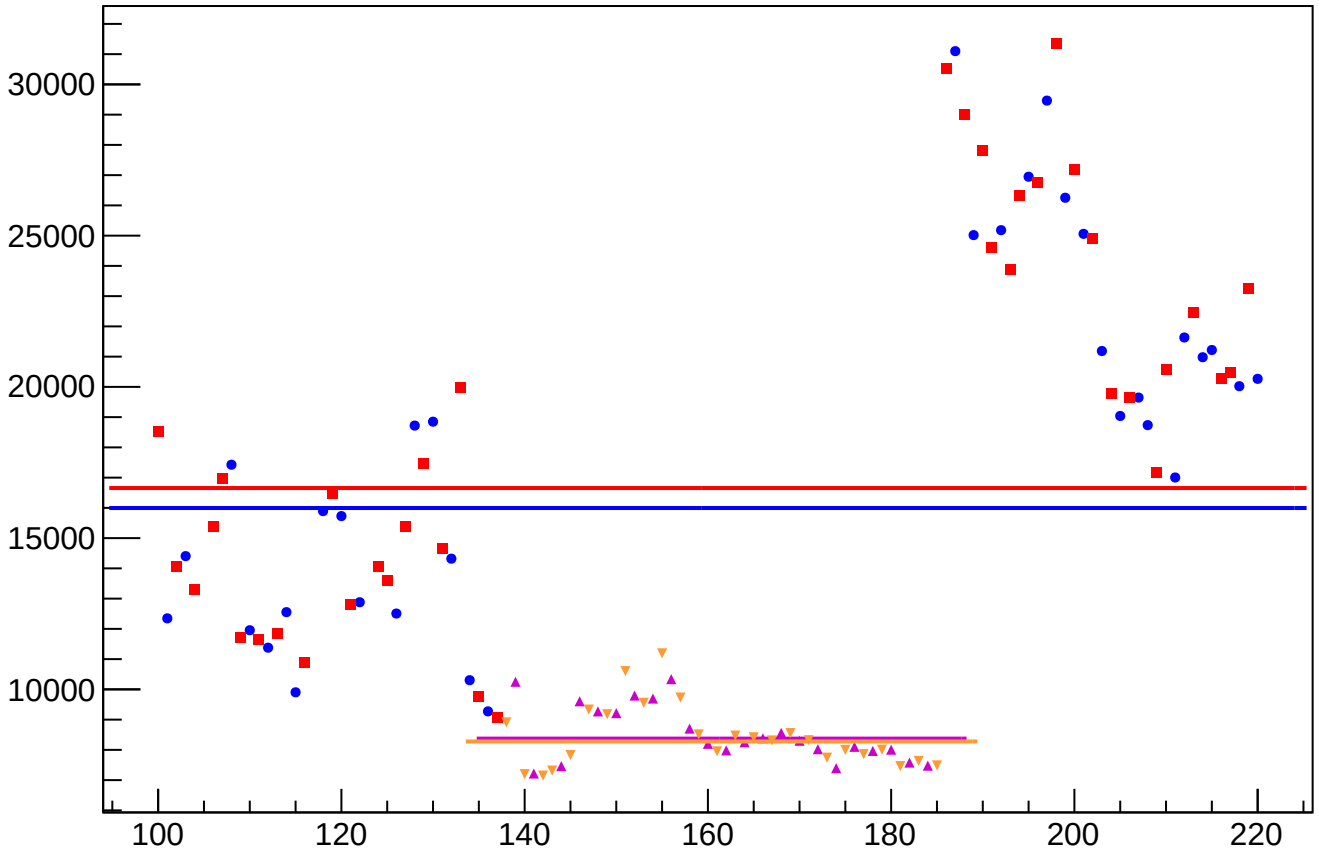
Right Out: -17.160+/-3.798 χ^2/NDF: 43.8/36

Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -9.960+/-1.686 χ^2/NDF: 112.9/57

All: -7.260+/-1.214 χ^2/NDF: 205.6/117

- sign -4.360+/-1.748 χ^2/NDF: 87.3/59



Right In: 15995.583+/-2.606 χ^2/NDF: 4151742.1/32

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 16656.243+/-2.686 χ^2/NDF: 4368982.3/36

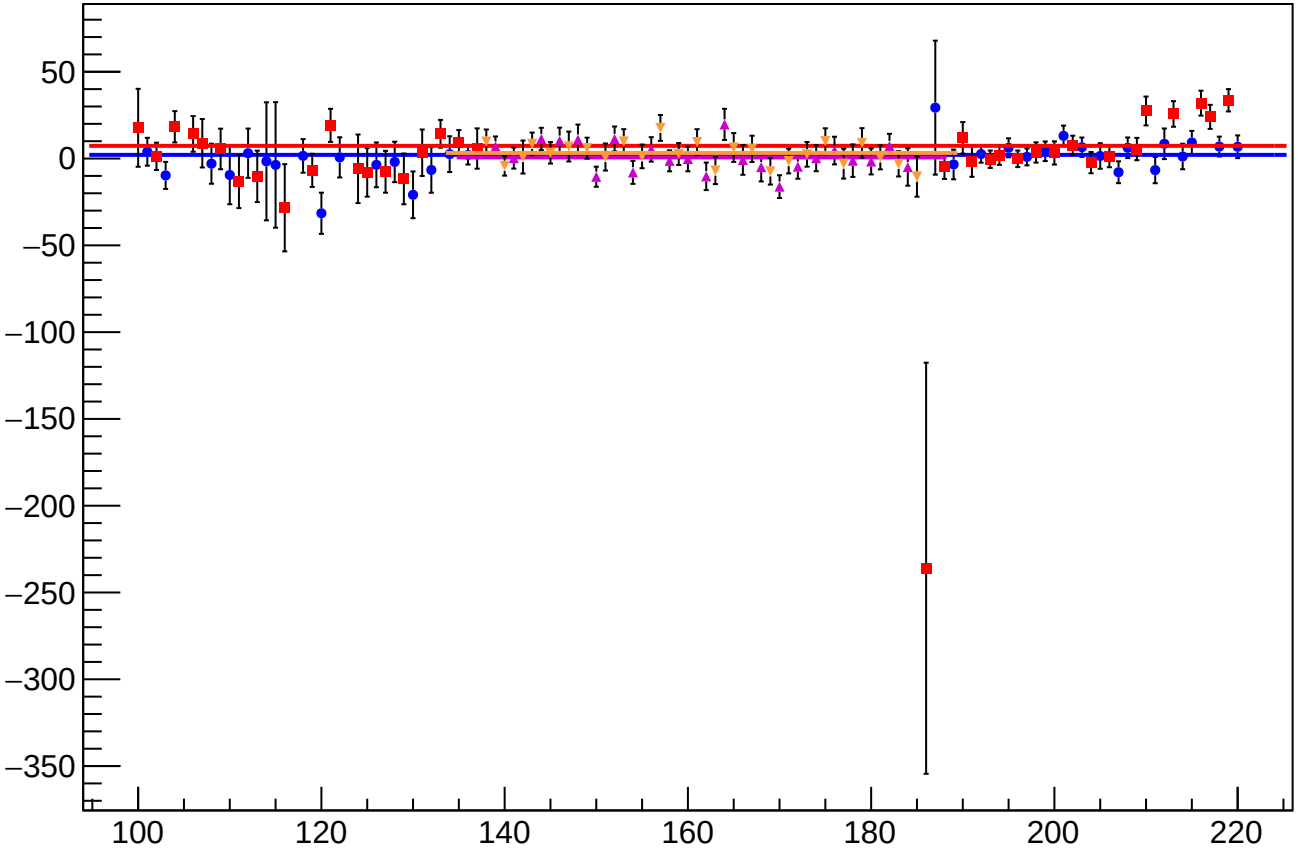
Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9893.969+/-1.192 χ^2/NDF: 11541785.9/57

All: 10006.313+/-0.858 χ^2/NDF: 23821055.5

- sign 10127.011+/-1.236 χ^2/NDF: 12260858.1/59

diff_bpm4eY_mean vs Slug



Right In: 2.126+/-1.335 χ^2/NDF: 27.8/32

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 7.326+/-1.320 χ^2/NDF: 82.1/36

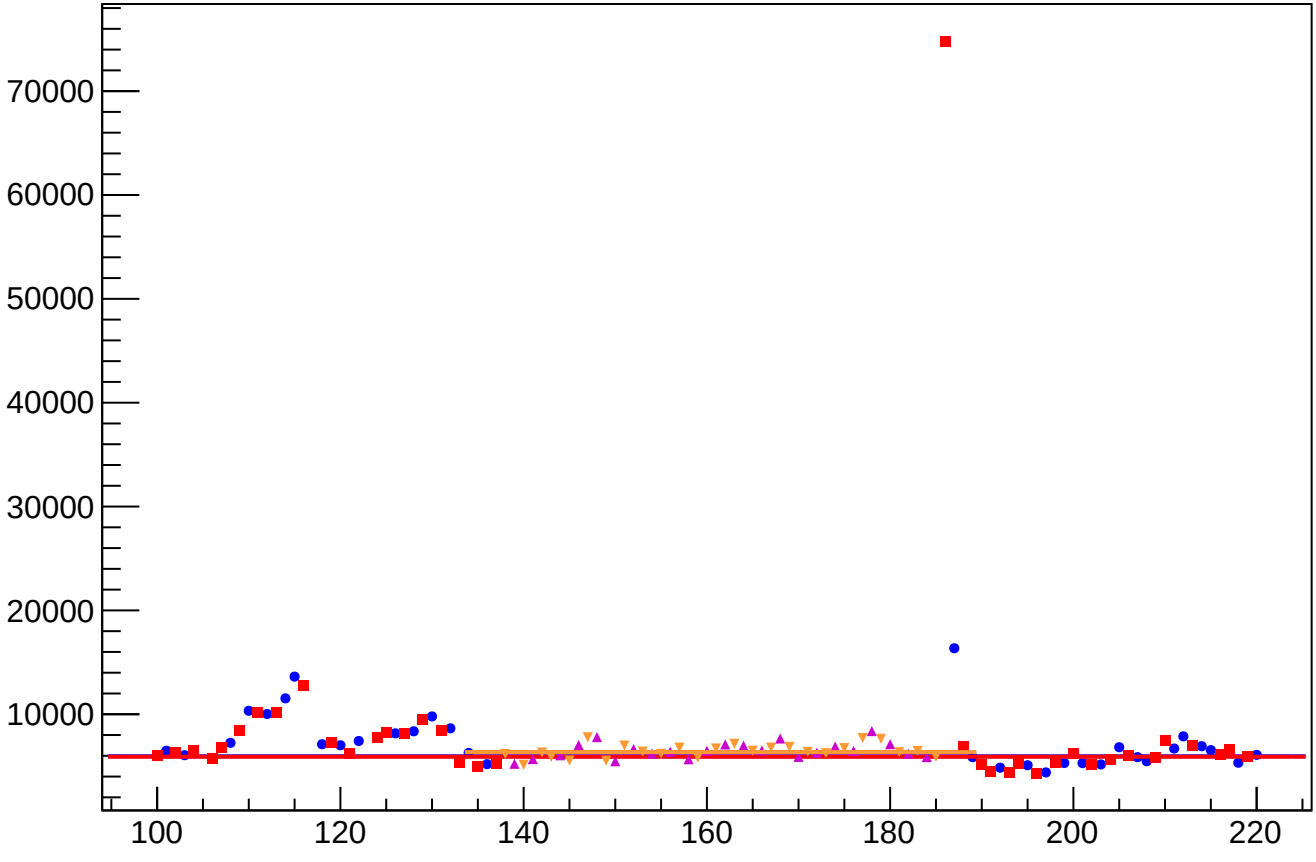
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 2.641+/-0.984 χ^2/NDF: 45.7/57

All: 3.518+/-0.698 χ^2/NDF: 171.4/117

- sign 4.408+/-0.991 χ^2/NDF: 124.0/59

diff_bpm4eY_rms vs Slug



Right In: 5950.839+/-0.944 χ^2/NDF: 1802933.6/32

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5909.953+/-0.934 χ^2/NDF: 2454430.9/36

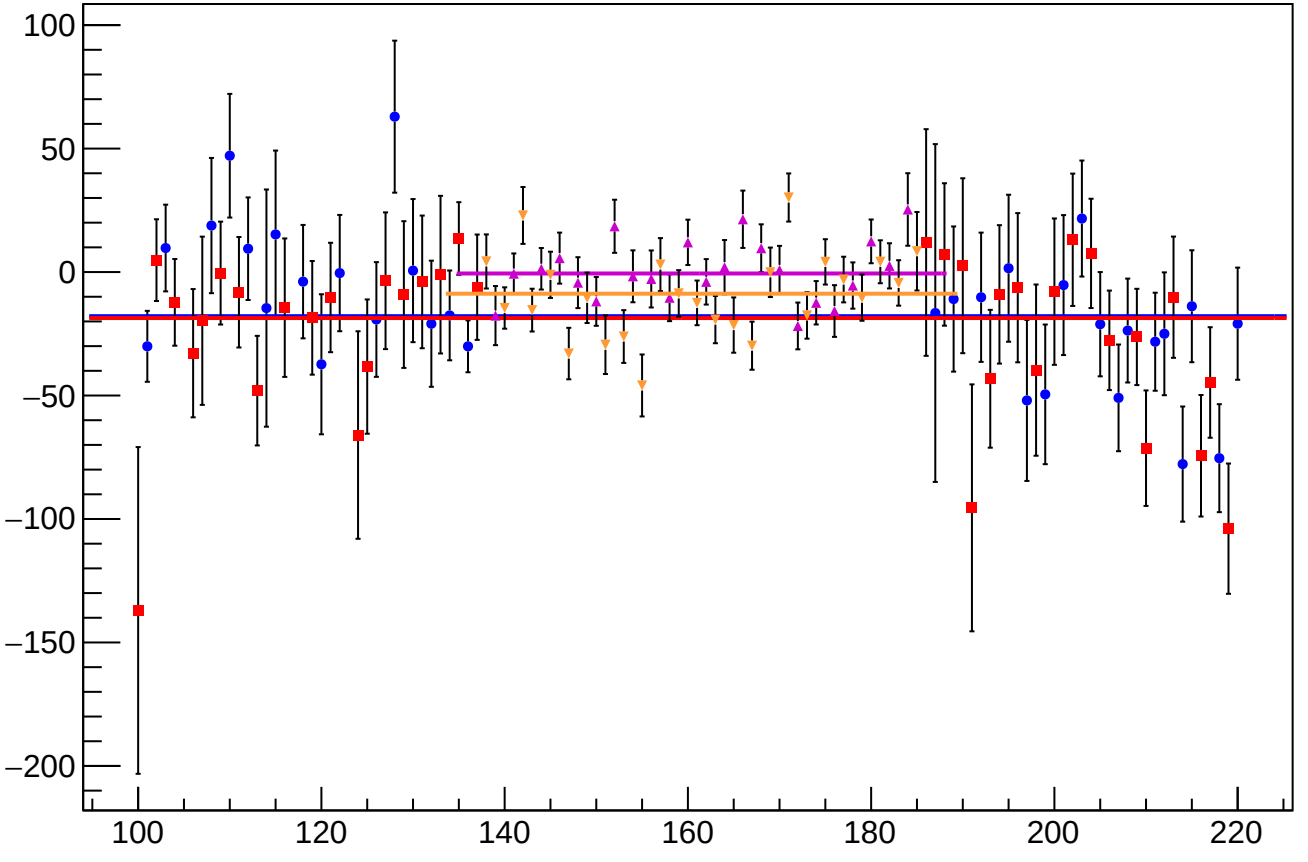
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6136.388+/-0.696 χ^2/NDF: 2301811.7/57

All: 6121.543+/-0.494 χ^2/NDF: 5332491.1/11

- sign 6106.496+/-0.701 χ^2/NDF: 3029763.1/59

diff_bpm4acX_mean vs Slug



Right In: -17.871+/-3.919 χ^2/NDF: 46.8/32

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -18.624+/-4.078 χ^2/NDF: 47.3/36

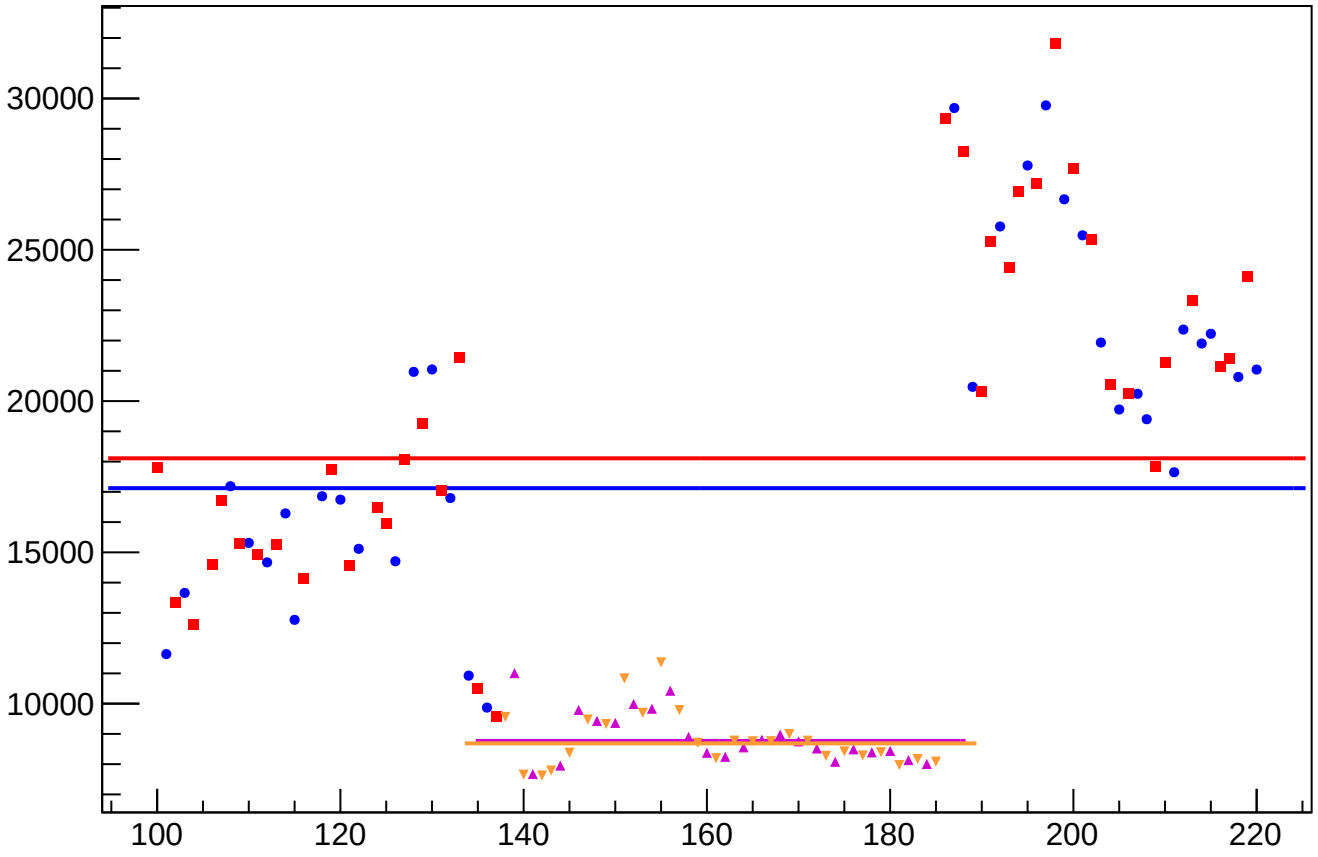
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -10.629+/-1.772 χ^2/NDF: 113.8/57

All: -7.554+/-1.276 χ^2/NDF: 212.5/117

- sign -4.246+/-1.838 χ^2/NDF: 92.5/59

diff_bpm4acX_rms vs Slug



Right In: 17121.347+/-2.771 χ^2/NDF: 3574213.0/32

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 18108.471+/-2.883 χ^2/NDF: 3416998.6/36

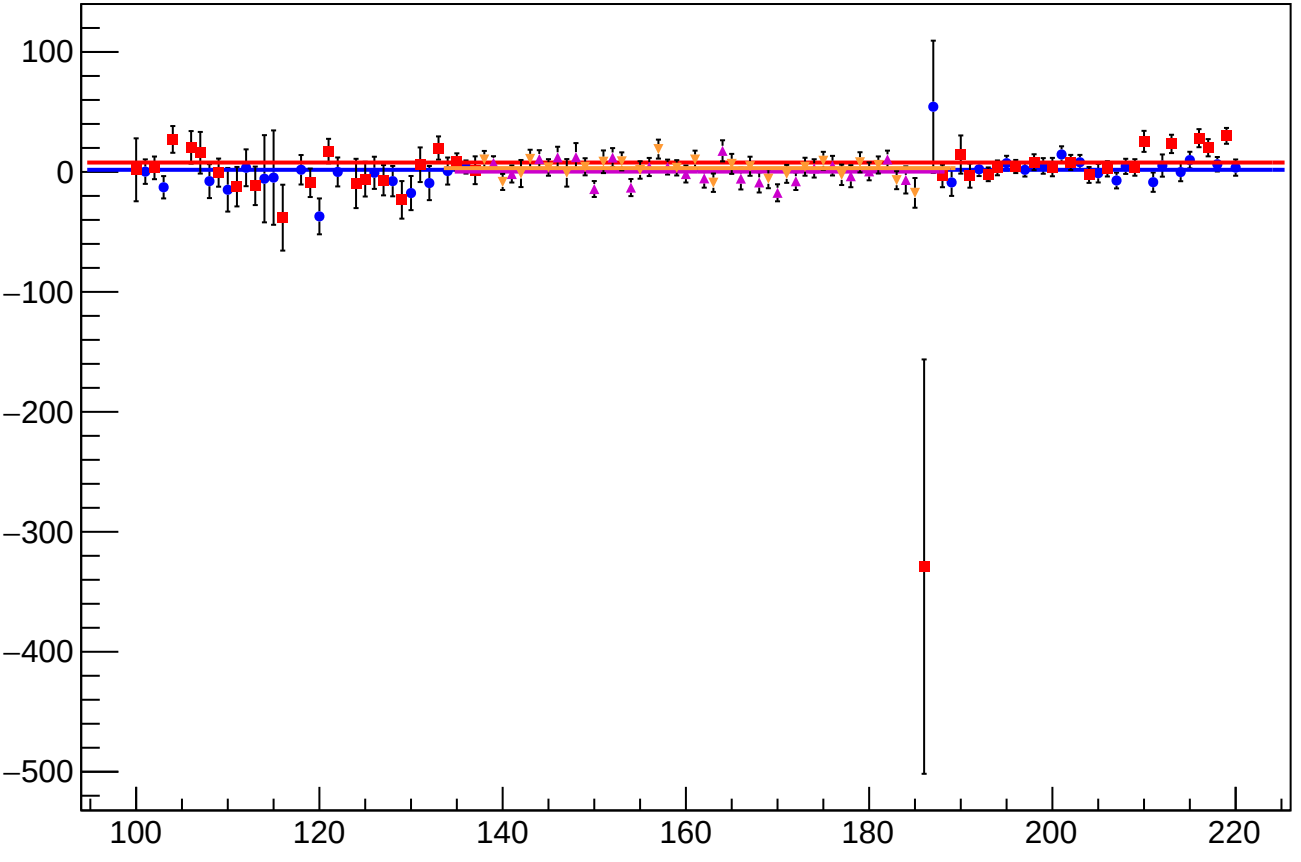
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 10411.327+/-1.253 χ^2/NDF: 11287187.4/57

All: 10533.828+/-0.902 χ^2/NDF: 23381870.6

- sign 10665.608+/-1.300 χ^2/NDF: 12074846.3/59

diff_bpm4acY_mean vs Slug



Right In: 1.759+/-1.467 χ^2/NDF: 27.3/32

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 7.822+/-1.472 χ^2/NDF: 66.2/36

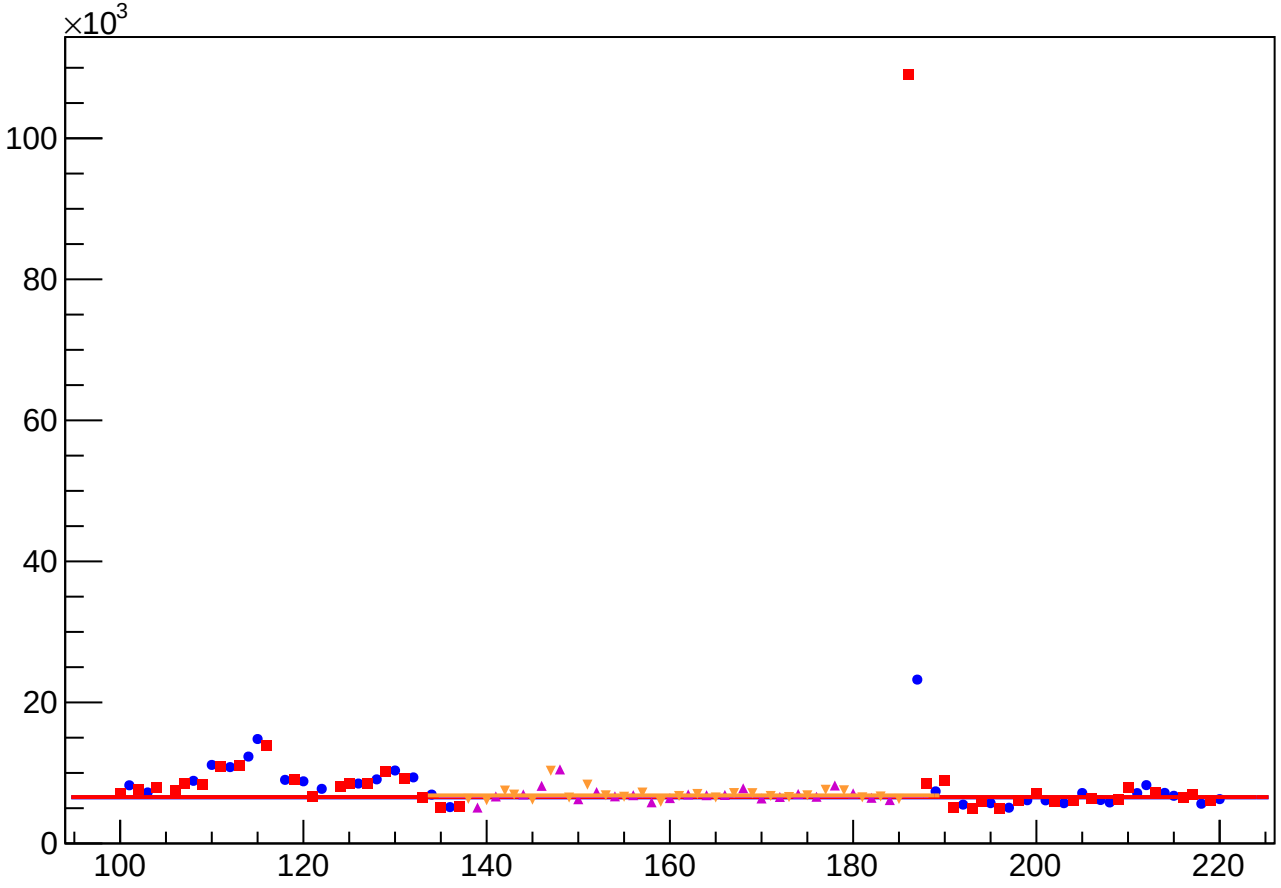
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 2.421+/-1.069 χ^2/NDF: 49.4/57

All: 3.369+/-0.760 χ^2/NDF: 163.6/117

- sign 4.336+/-1.080 χ^2/NDF: 112.6/59

diff_bpm4acY_rms vs Slug



Right In: 6533.840+/-1.037 χ^2/NDF: 1846358.3/32

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

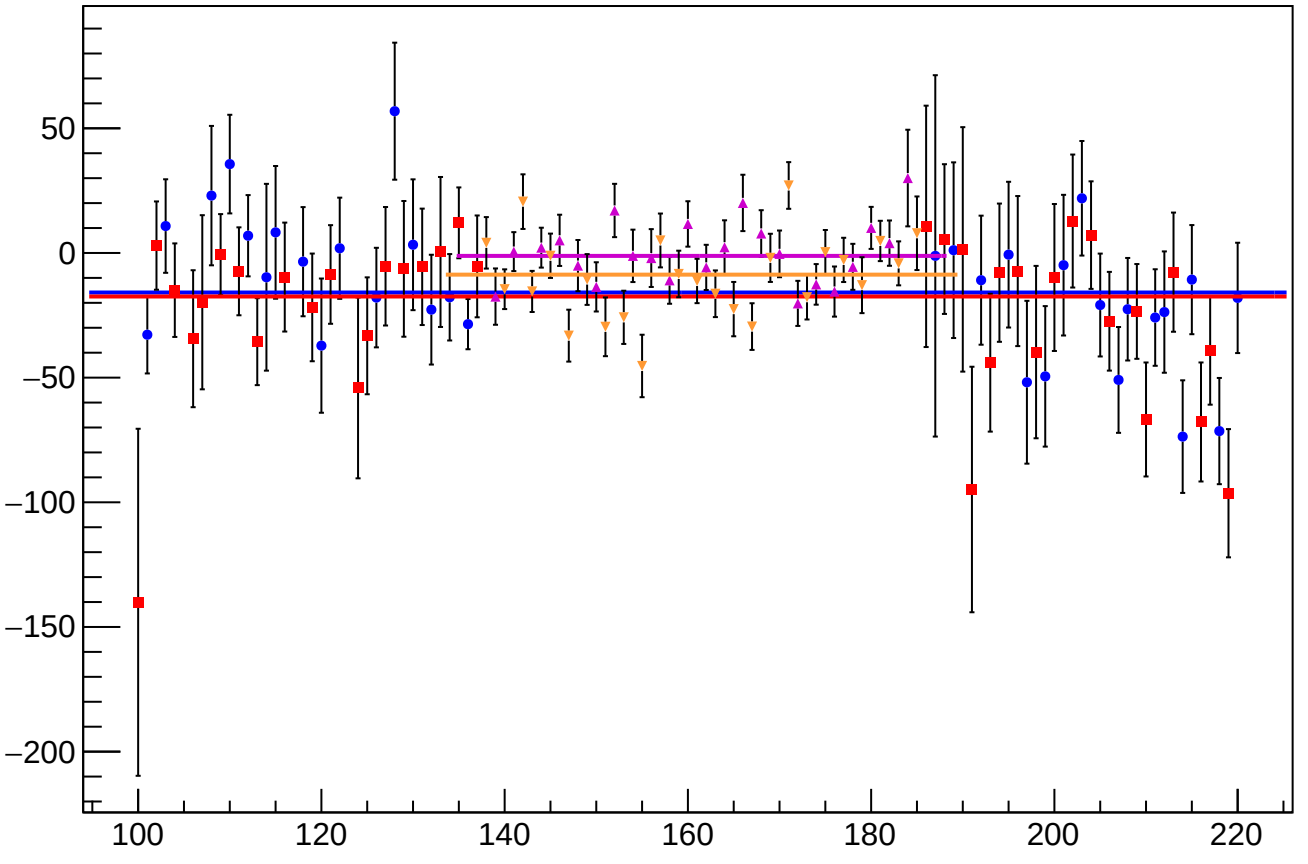
Right Out: 6579.249+/-1.041 χ^2/NDF: 2411060.5/36

Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6664.688+/-0.756 χ^2/NDF: 2274912.7/57

All: 6656.353+/-0.537 χ^2/NDF: 5305661.6/11

- sign 6647.846+/-0.764 χ^2/NDF: 3030503.4/59



Right In: -15.860+/-3.733 χ^2/NDF: 48.4/32

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -17.457+/-3.850 χ^2/NDF: 42.7/36

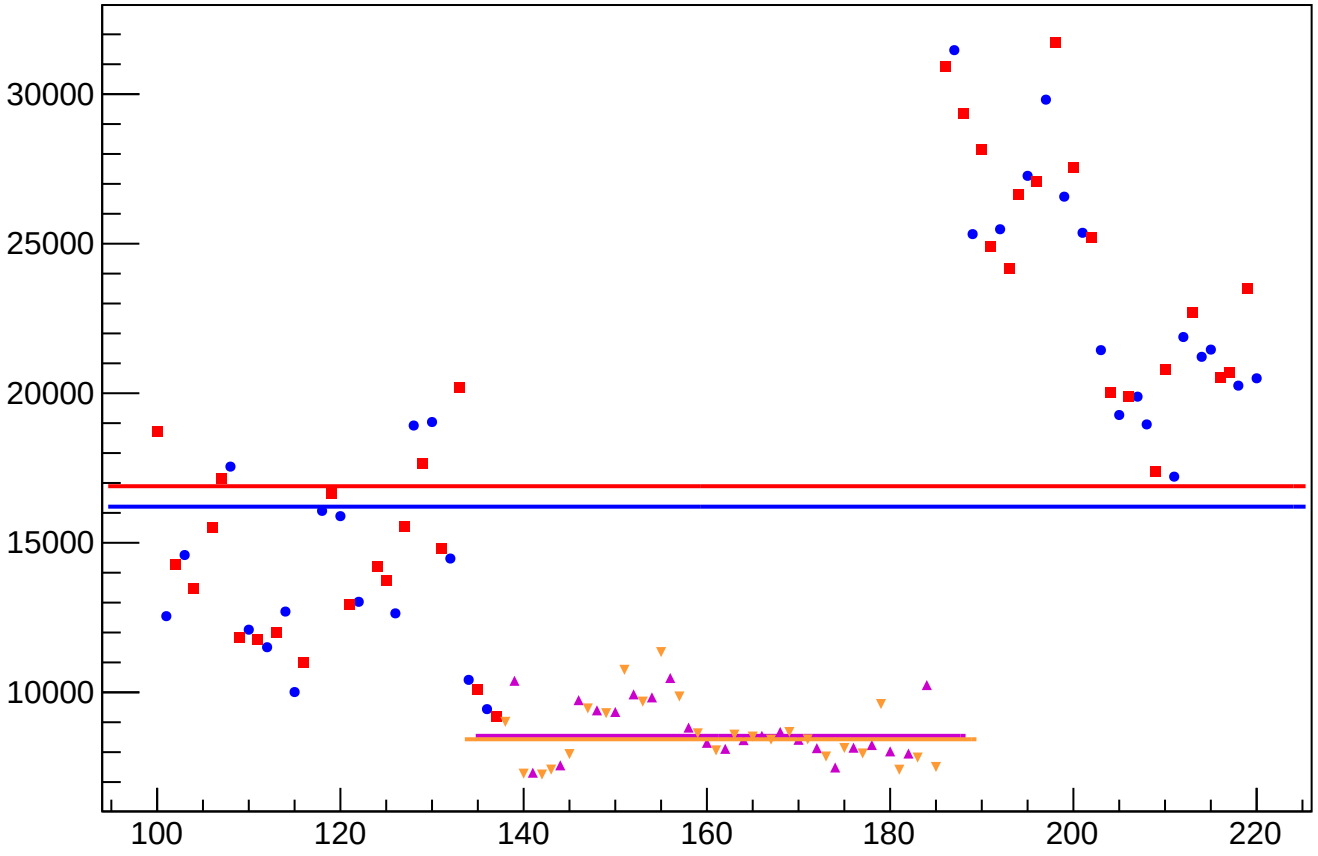
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -10.212+/-1.719 χ^2/NDF: 112.8/57

All: -7.542+/-1.238 χ^2/NDF: 203.1/117

- sign -4.668+/-1.783 χ^2/NDF: 85.3/59

diff_bpm4ecX_rms vs Slug



Right In: 16207.910+/-2.640 χ^2/NDF: 4118960.9/32

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

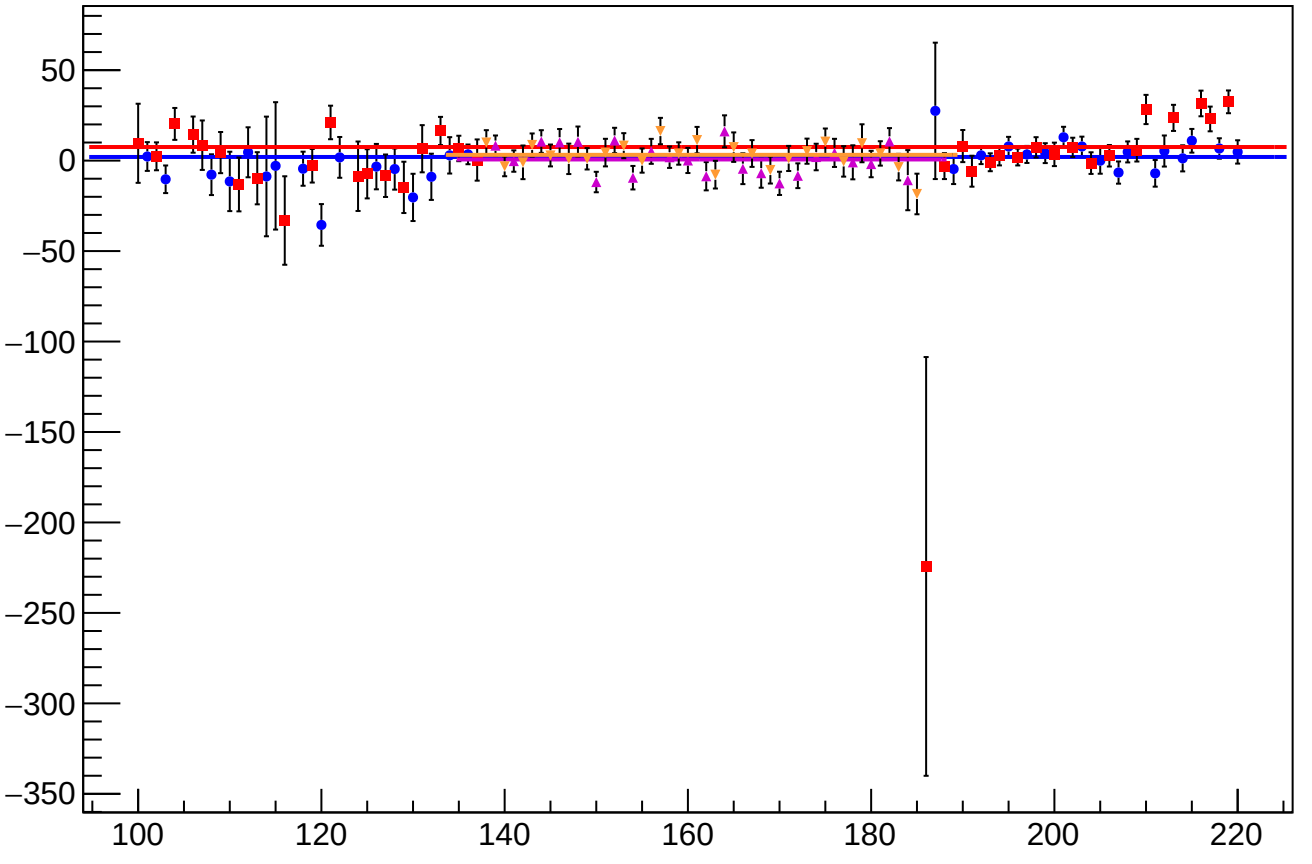
Right Out: 16891.370+/-2.722 χ^2/NDF: 4316741.1/36

Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 10079.170+/-1.215 χ^2/NDF: 11443680.0/57

All: 10203.153+/-0.875 χ^2/NDF: 23554295.8

- sign 10336.640+/-1.261 χ^2/NDF: 12089003.7/59



Right In: 2.015+/-1.303 χ^2/NDF: 33.5/32

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 7.515+/-1.289 χ^2/NDF: 81.7/36

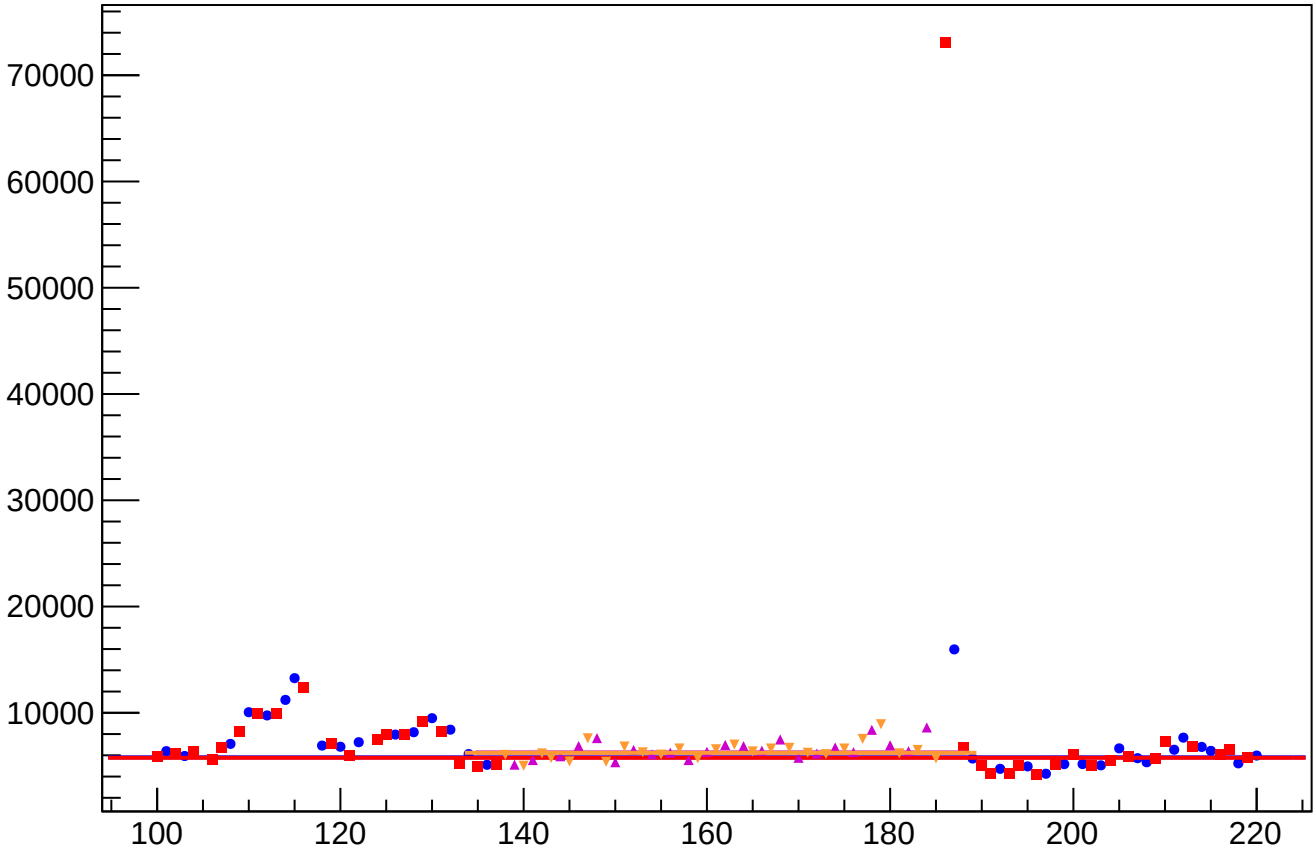
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 2.544+/-0.965 χ^2/NDF: 52.6/57

All: 3.540+/-0.685 χ^2/NDF: 180.5/117

- sign 4.551+/-0.972 χ^2/NDF: 125.8/59

diff_bpm4ecY_rms vs Slug



Right In: 5810.490+/-0.922 χ^2/NDF: 1802317.5/32

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5766.869+/-0.911 χ^2/NDF: 2442214.0/36

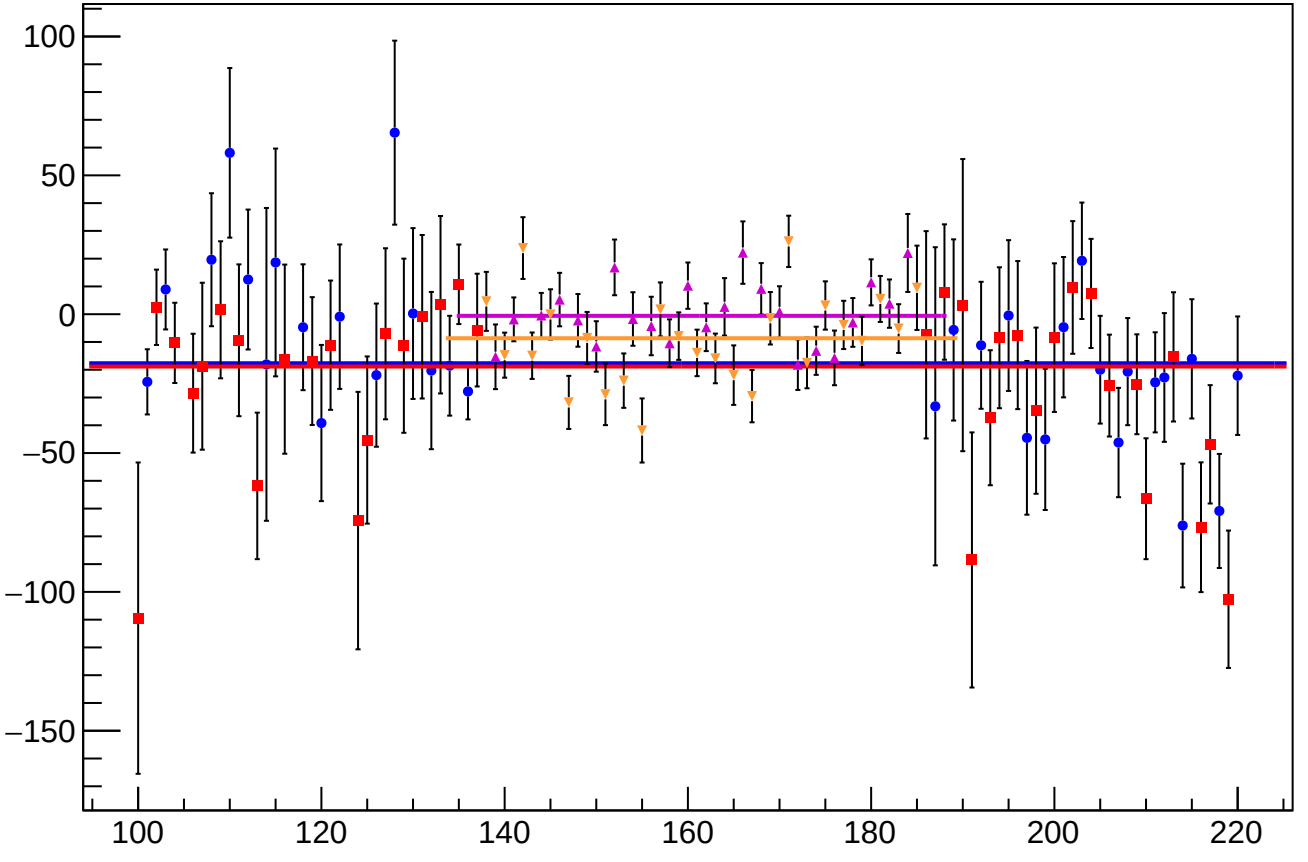
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 6003.748+/-0.682 χ^2/NDF: 2407293.0/57

All: 5993.349+/-0.484 χ^2/NDF: 5504690.2/11

- sign 5982.786+/-0.688 χ^2/NDF: 3096928.8/59

diff_bpm1X_mean vs Slug



Right In: -17.663+/-3.713 χ^2/NDF: 45.7/32

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

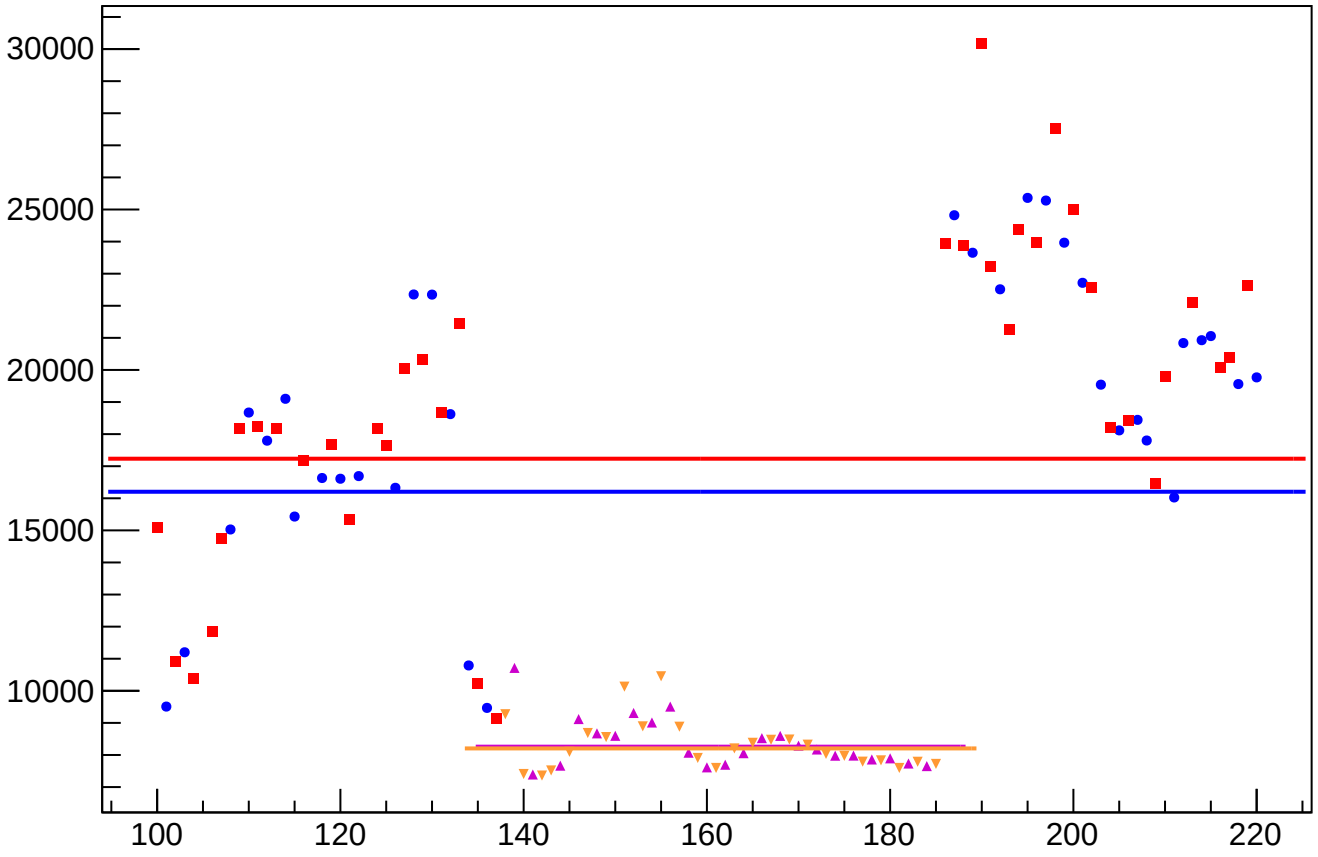
Right Out: -18.840+/-3.882 χ^2/NDF: 49.9/36

Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -10.482+/-1.674 χ^2/NDF: 113.4/57

All: -7.466+/-1.204 χ^2/NDF: 216.3/117

- sign -4.227+/-1.735 χ^2/NDF: 96.1/59



Right In: 16203.739+/-2.625 χ^2/NDF: 3718105.4/32

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 17233.573+/-2.745 χ^2/NDF: 3437282.6/36

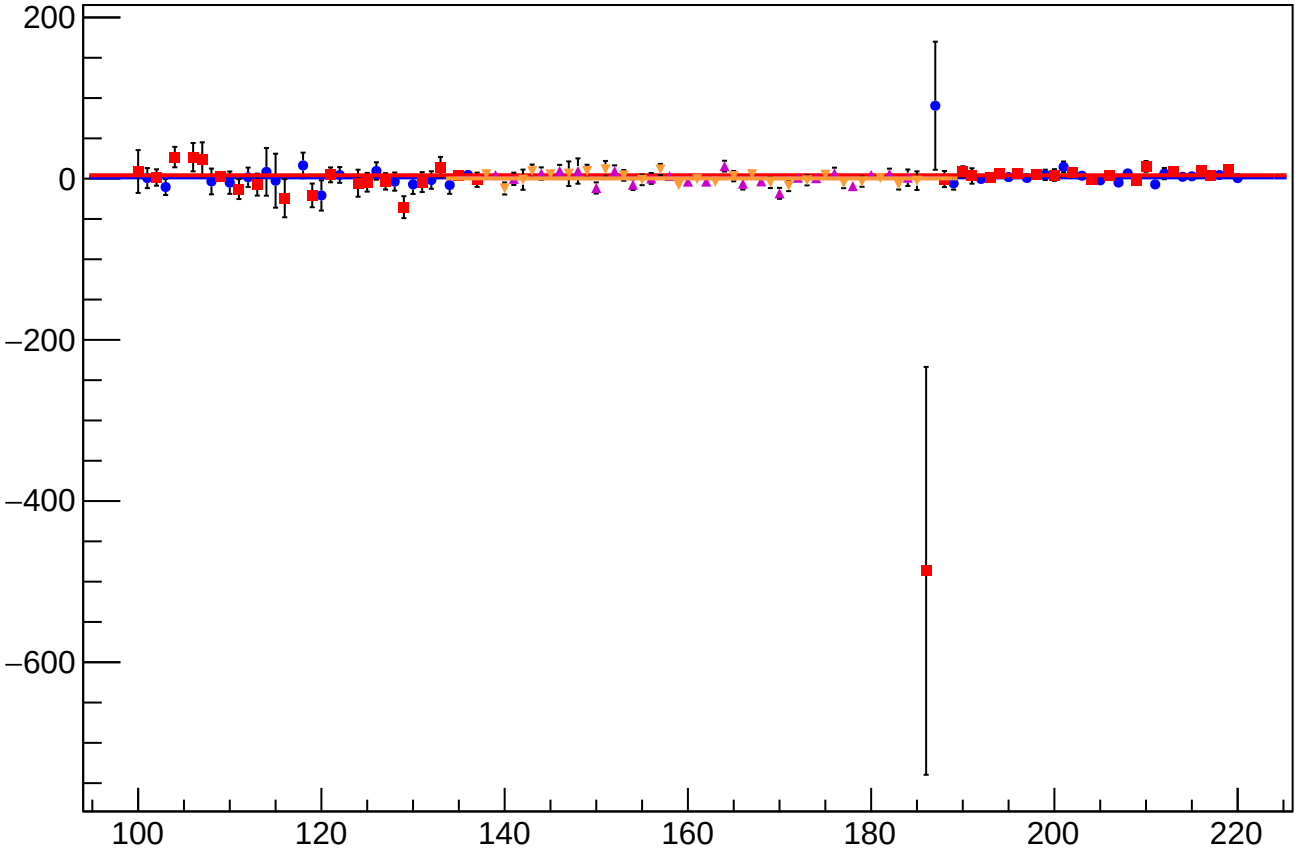
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 9830.182+/-1.184 χ^2/NDF: 11388398.4/57

All: 9936.434+/-0.852 χ^2/NDF: 23653362.6/1

- sign 10050.549+/-1.227 χ^2/NDF: 12248247.9/59

diff_bpm1Y_mean vs Slug



Right In: 1.598+/-1.245 χ^2/NDF: 19.0/32

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 4.213+/-1.222 χ^2/NDF: 38.0/36

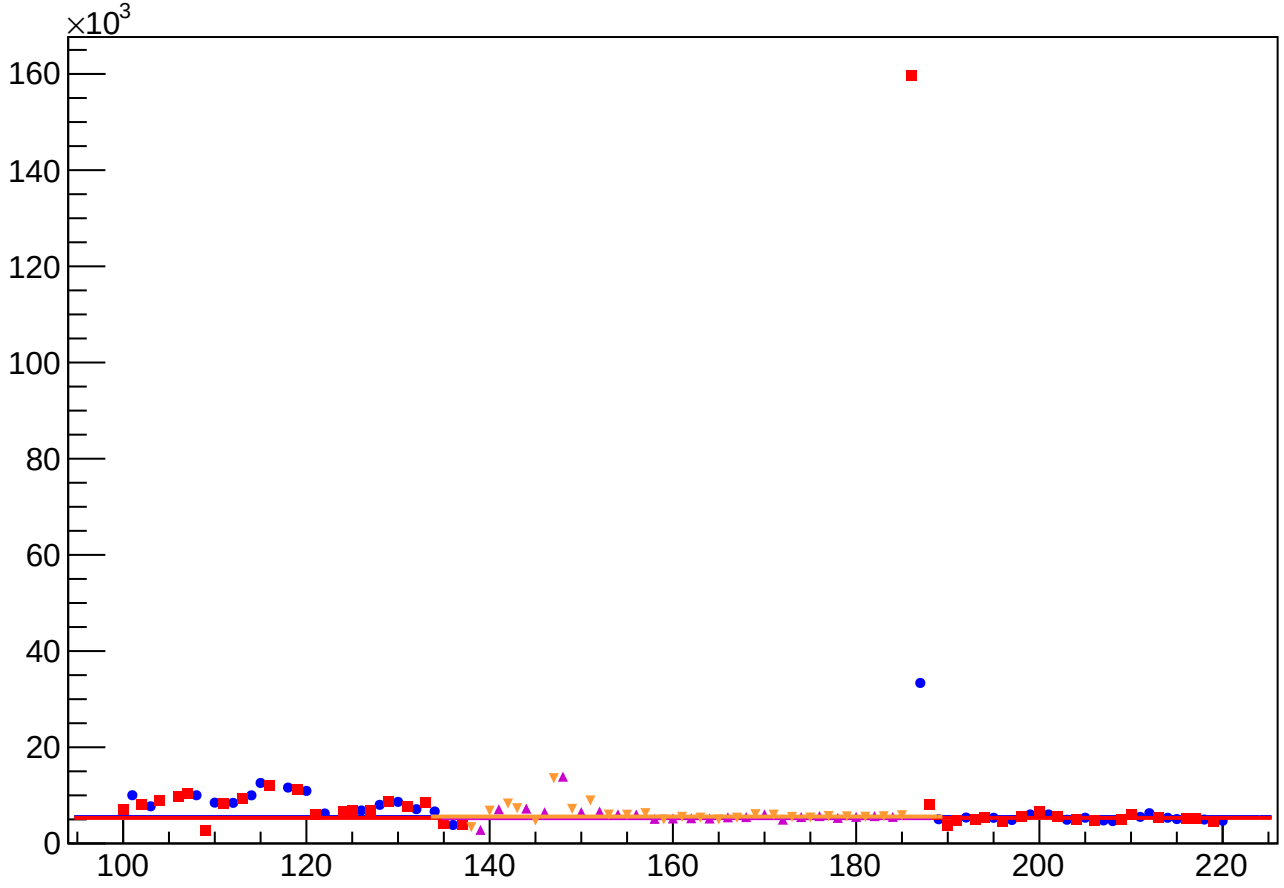
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 1.013+/-0.906 χ^2/NDF: 41.0/57

All: 1.802+/-0.634 χ^2/NDF: 114.2/117

- sign 2.558+/-0.887 χ^2/NDF: 71.8/59

diff_bpm1Y_rms vs Slug



Right In: 5490.255+/-0.880 χ^2/NDF: 2554101.6/32

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

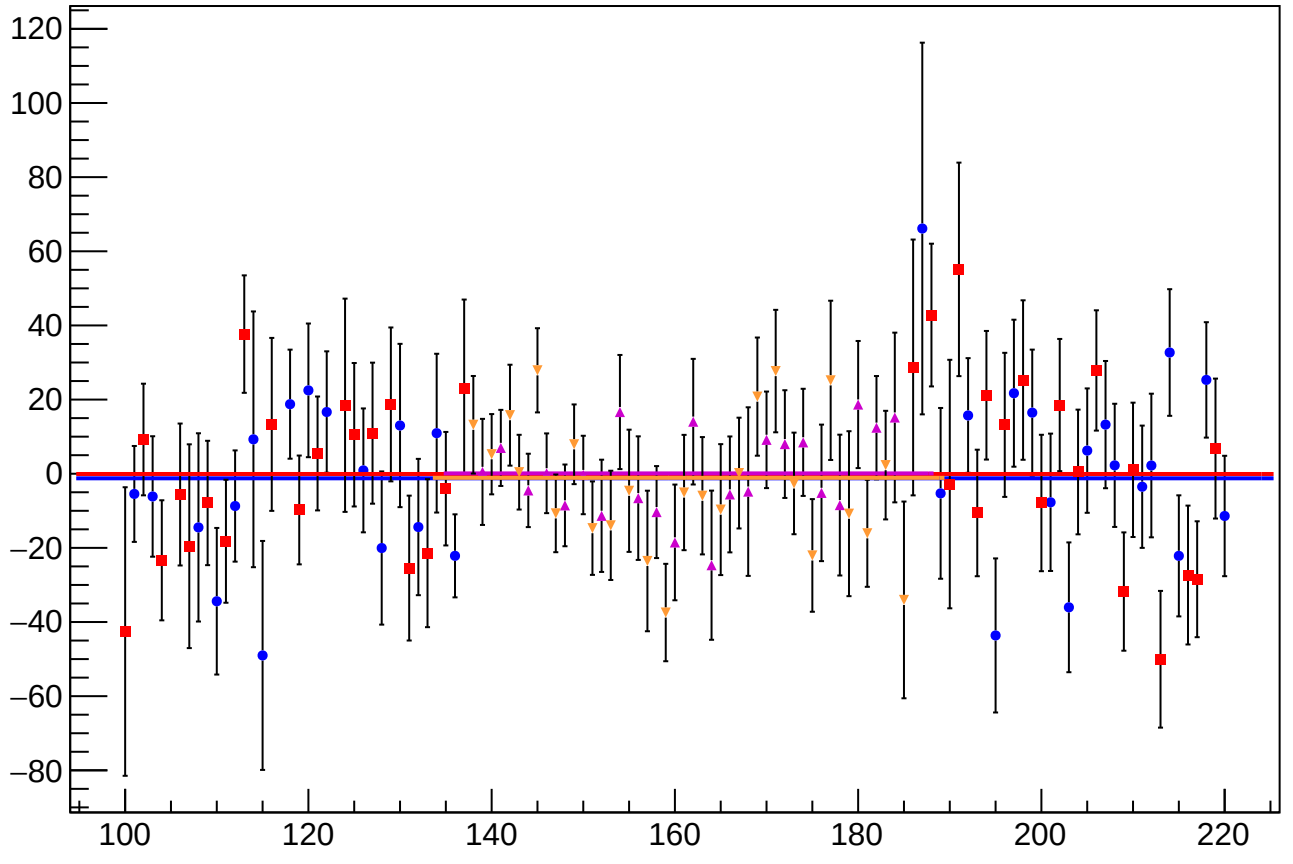
Right Out: 5317.401+/-0.864 χ^2/NDF: 3870631.4/36

Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5539.250+/-0.641 χ^2/NDF: 4344956.3/57

All: 5412.843+/-0.448 χ^2/NDF: 10719353.9/1

- sign 5291.591+/-0.627 χ^2/NDF: 6298126.0/59



Right In: -1.238+/-3.076 χ^2/NDF: 40.0/32

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

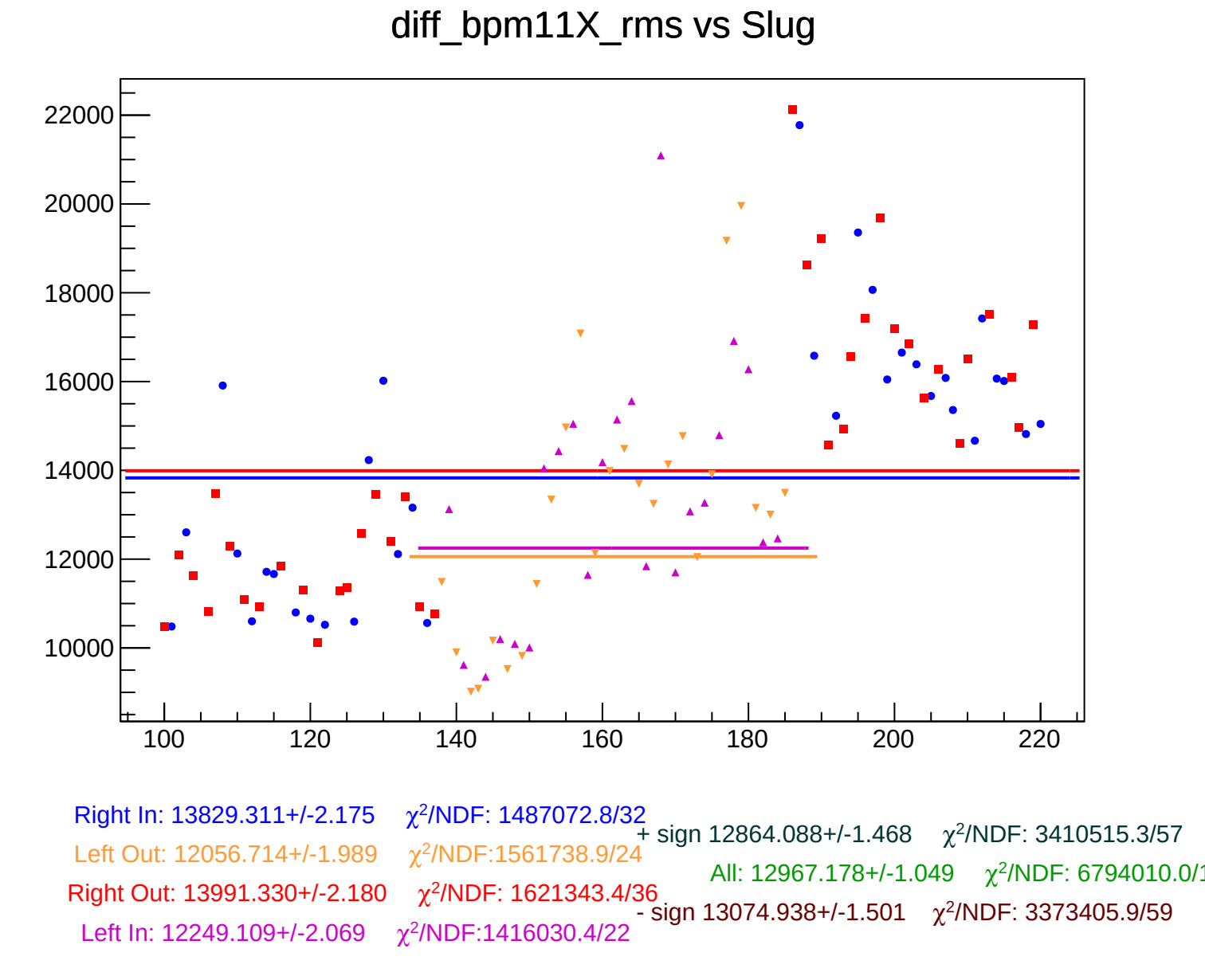
Right Out: -0.071+/-3.083 χ^2/NDF: 52.1/36

Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

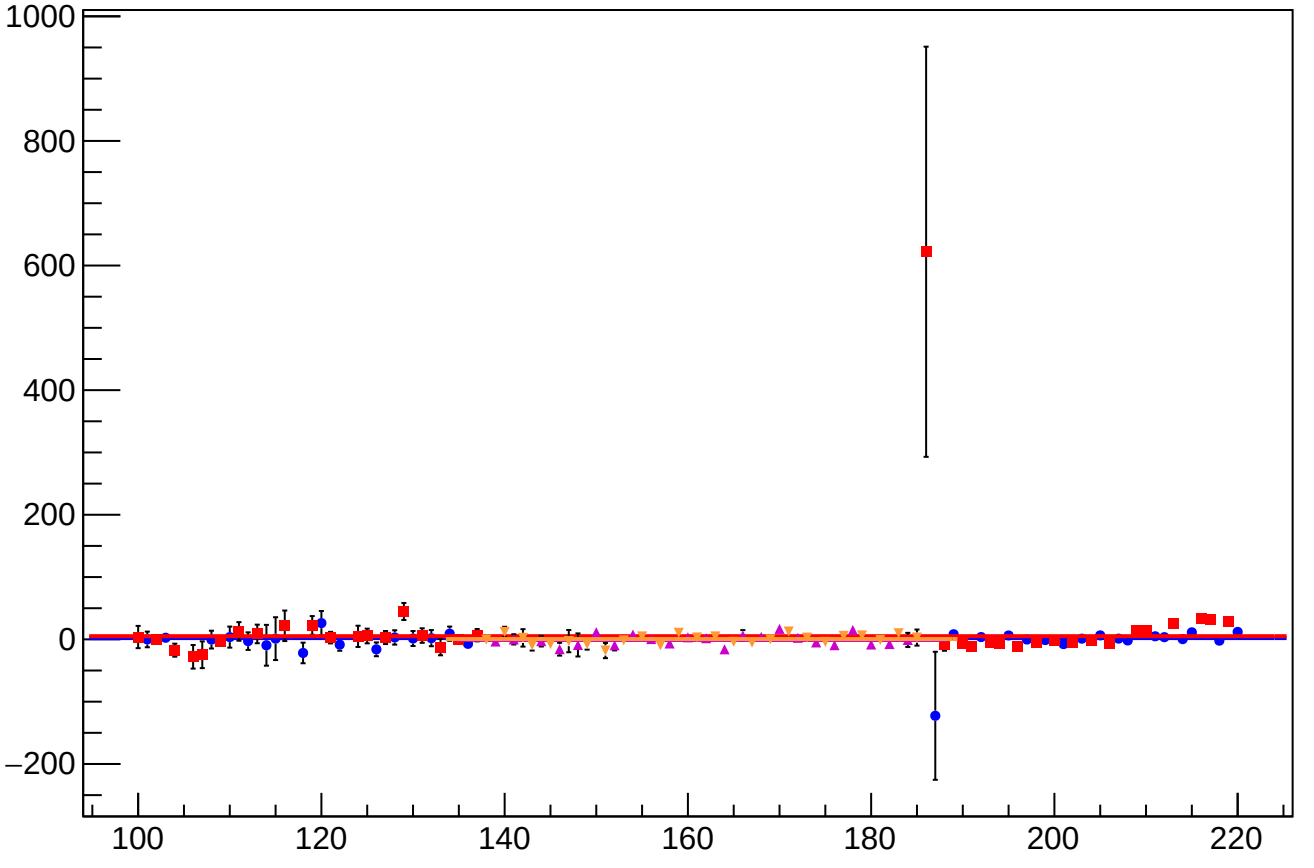
+ sign -1.169+/-2.076 χ^2/NDF: 73.7/57

All: -0.592+/-1.484 χ^2/NDF: 137.4/117

- sign 0.011+/-2.122 χ^2/NDF: 63.5/59


diff_bpm11X_rms vs Slug
22000
20000
18000
16000
14000
12000
10000
100
120
140
160
180
200
220
Right In: 13829.311+/-2.175 χ²/NDF: 1487072.8/32
Left Out: 12056.714+/-1.989 χ²/NDF:1561738.9/24
Right Out: 13991.330+/-2.180 χ²/NDF: 1621343.4/36
Left In: 12249.109+/-2.069 χ²/NDF:1416030.4/22
+ sign 12864.088+/-1.468 χ²/NDF: 3410515.3/57
All: 12967.178+/-1.049 χ²/NDF: 6794010.0/1
- sign 13074.938+/-1.501 χ²/NDF: 3373405.9/59

diff_bpm11Y_mean vs Slug



Right In: 2.056+/-1.041 χ^2/NDF: 31.9/32

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: 5.118+/-1.049 χ^2/NDF: 205.2/36

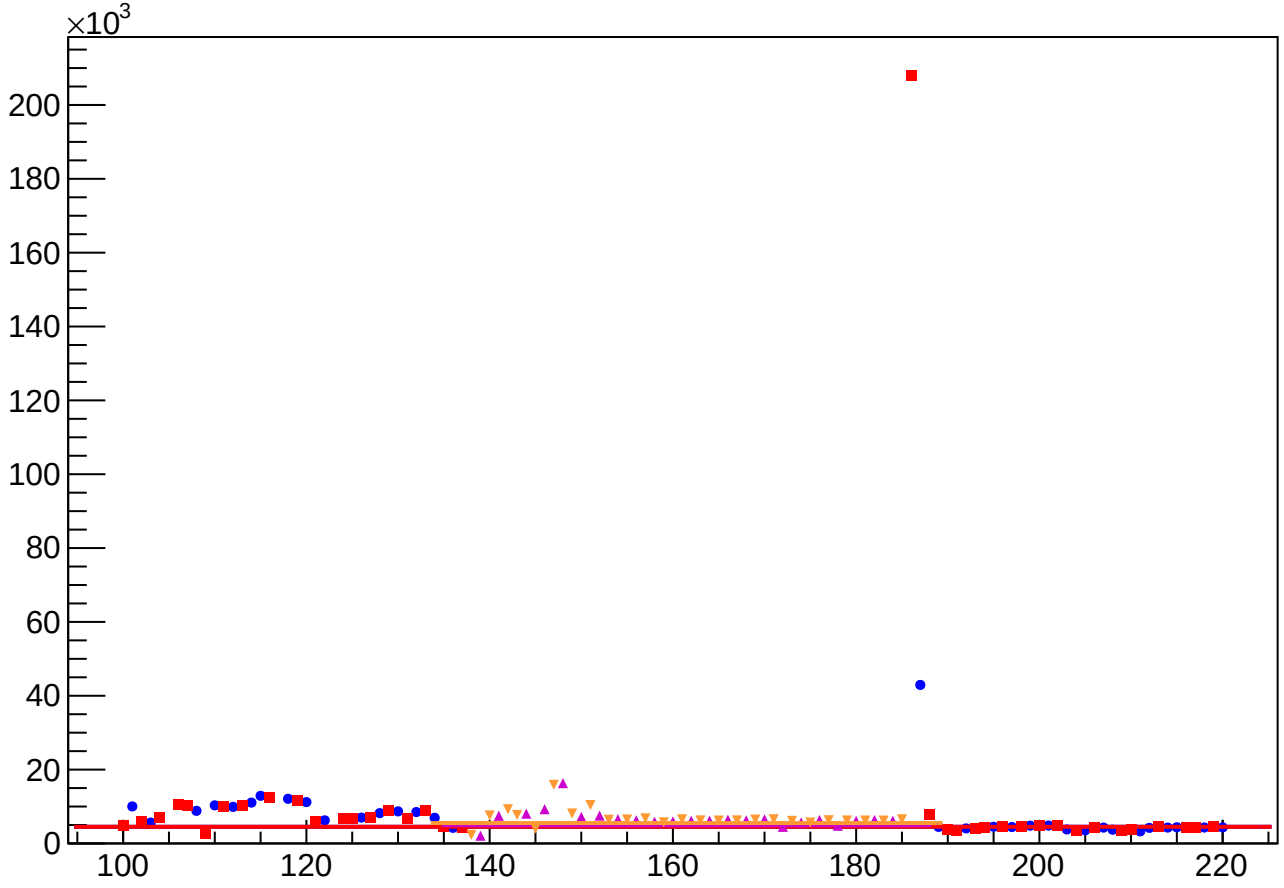
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 1.495+/-0.829 χ^2/NDF: 54.1/57

All: 2.115+/-0.581 χ^2/NDF: 305.9/117

- sign 2.714+/-0.815 χ^2/NDF: 250.7/59

diff_bpm11Y_rms vs Slug



Right In: 4512.801+/-0.736 χ^2/NDF: 3732683.7/32

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

Right Out: 4511.610+/-0.742 χ^2/NDF: 4243639.6/36

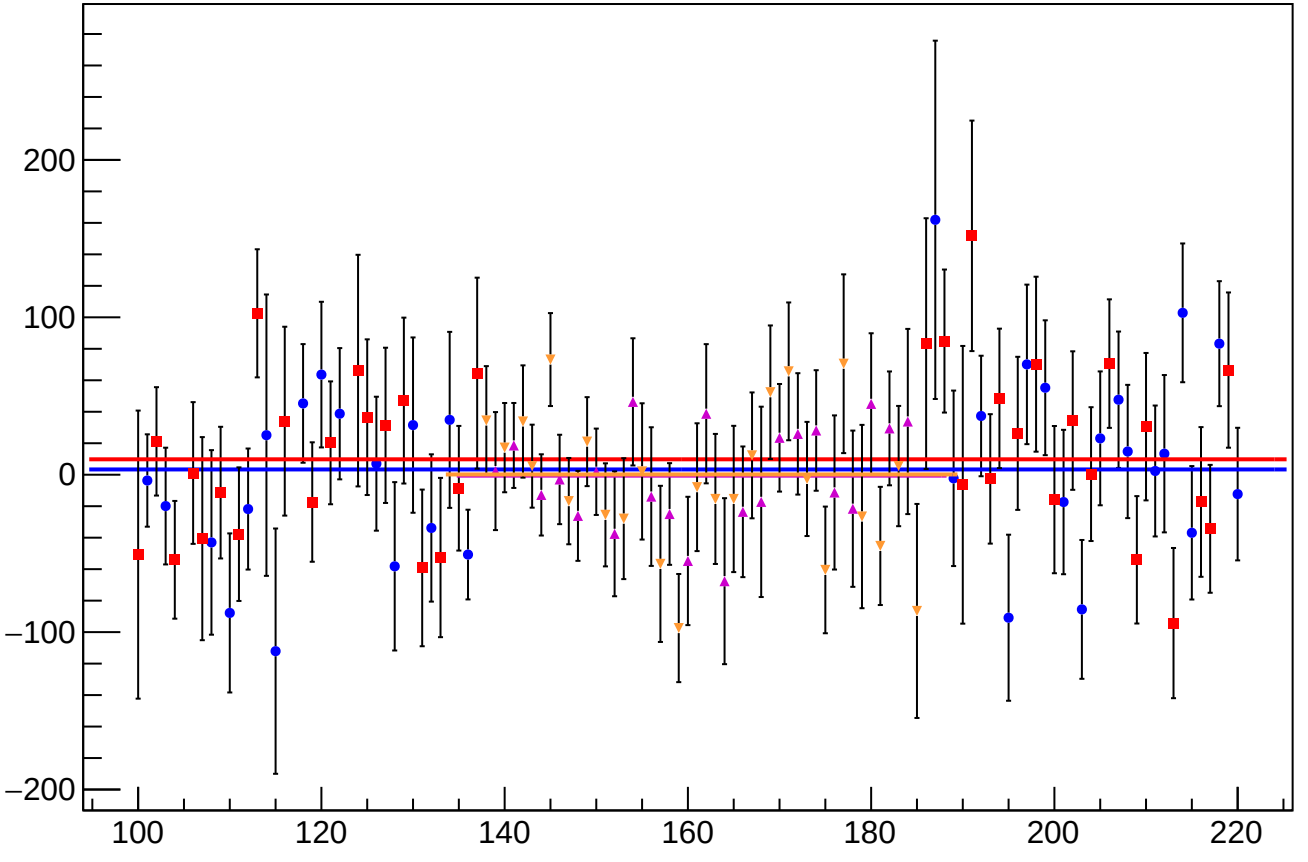
Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 4884.894+/-0.586 χ^2/NDF: 8805352.4/57

All: 4781.855+/-0.411 χ^2/NDF: 19179410.9/1

- sign 4682.210+/-0.576 χ^2/NDF: 10313229.7/59

diff_bpm12X_mean vs Slug



Right In: 3.351+/-7.722 χ^2/NDF: 41.8/32

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 9.793+/-7.730 χ^2/NDF: 40.3/36

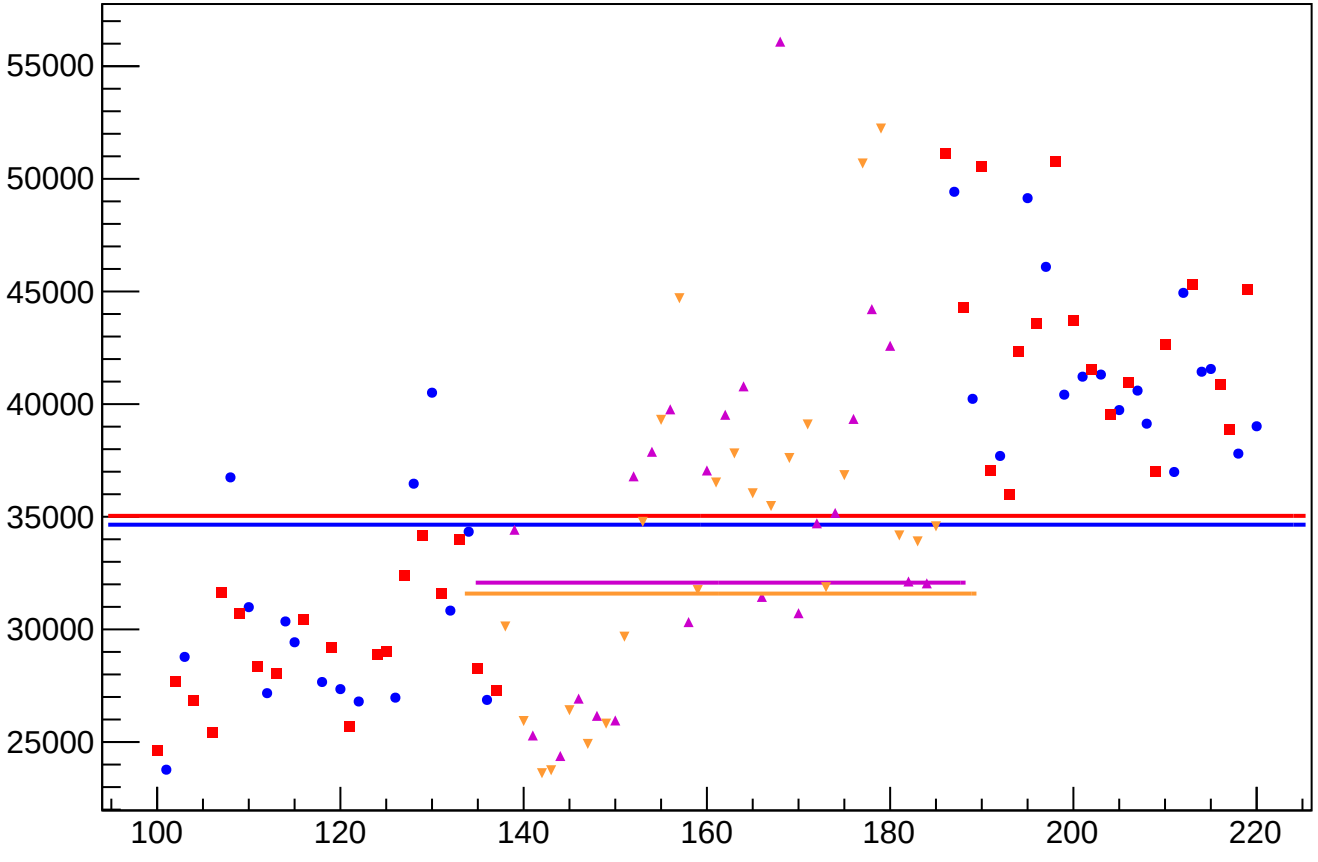
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign 1.686+/-5.333 χ^2/NDF: 73.0/57

All: 3.094+/-3.810 χ^2/NDF: 127.1/117

- sign 4.561+/-5.443 χ^2/NDF: 54.0/59

diff_bpm12X_rms vs Slug



Right In: 34647.440+/-5.460 χ^2/NDF: 1625497.5/32

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 35039.964+/-5.466 χ^2/NDF: 1727032.9/36

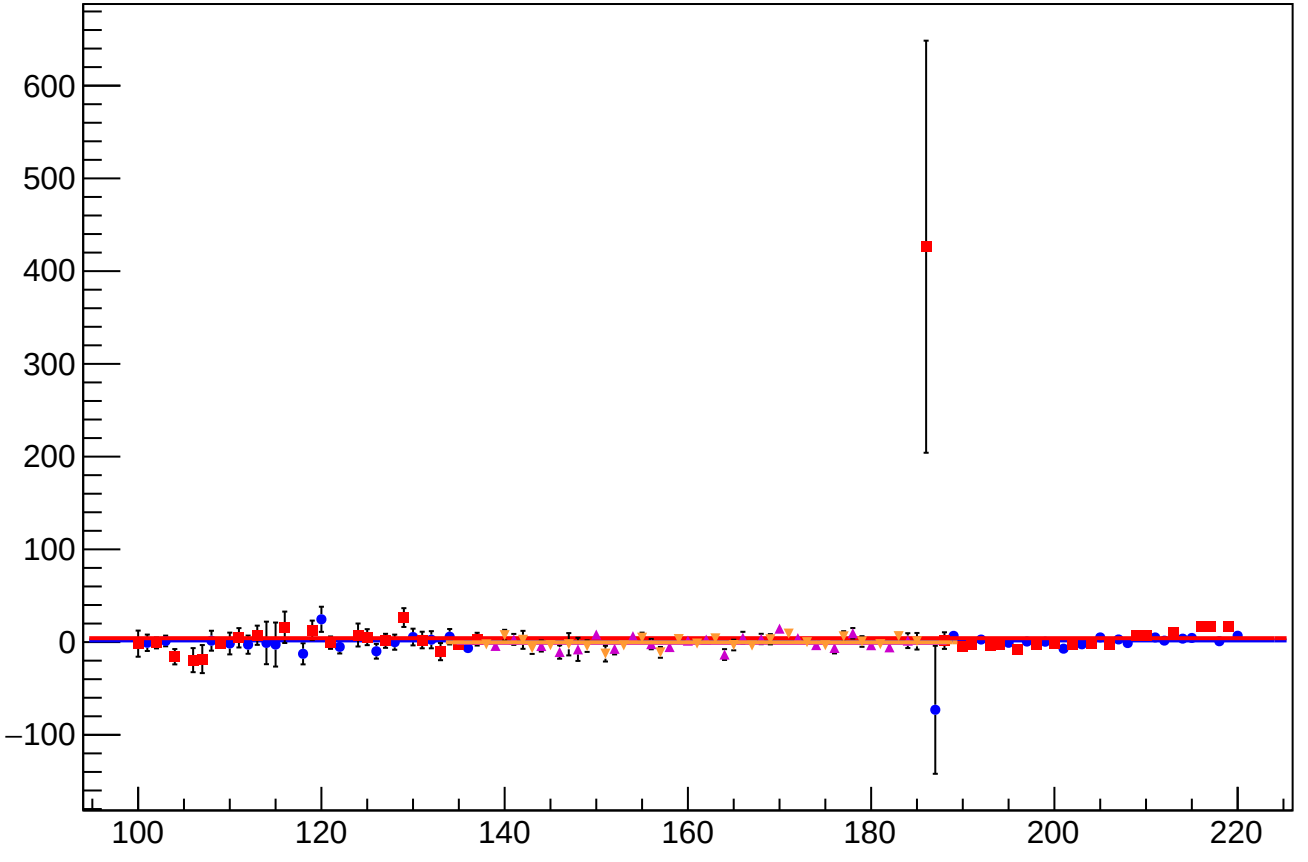
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 33048.417+/-3.771 χ^2/NDF: 3380363.9/57

All: 33291.822+/-2.694 χ^2/NDF: 6719939.3/1

- sign 33545.396+/-3.849 χ^2/NDF: 3331069.4/59

diff_bpm12Y_mean vs Slug



Right In: 1.812+/-0.592 χ^2/NDF: 42.3/32

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: 4.215+/-0.622 χ^2/NDF: 183.8/36

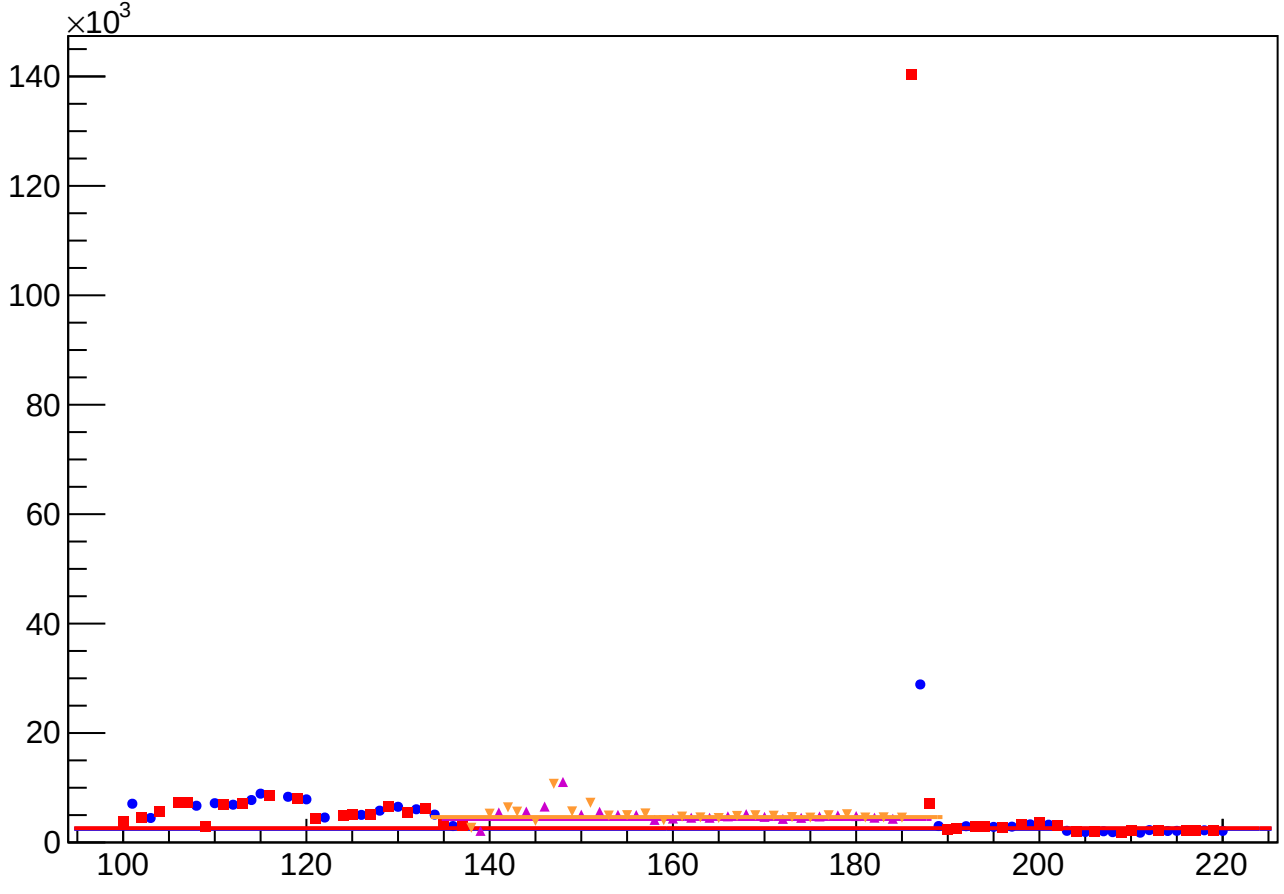
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

+ sign 1.350+/-0.520 χ^2/NDF: 64.9/57

All: 2.118+/-0.374 χ^2/NDF: 303.5/117

- sign 2.935+/-0.537 χ^2/NDF: 234.1/59

diff_bpm12Y_rms vs Slug



Right In: 2483.569+/-0.418 χ^2/NDF: 6101516.4/32

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 2606.315+/-0.440 χ^2/NDF: 6562501.2/36

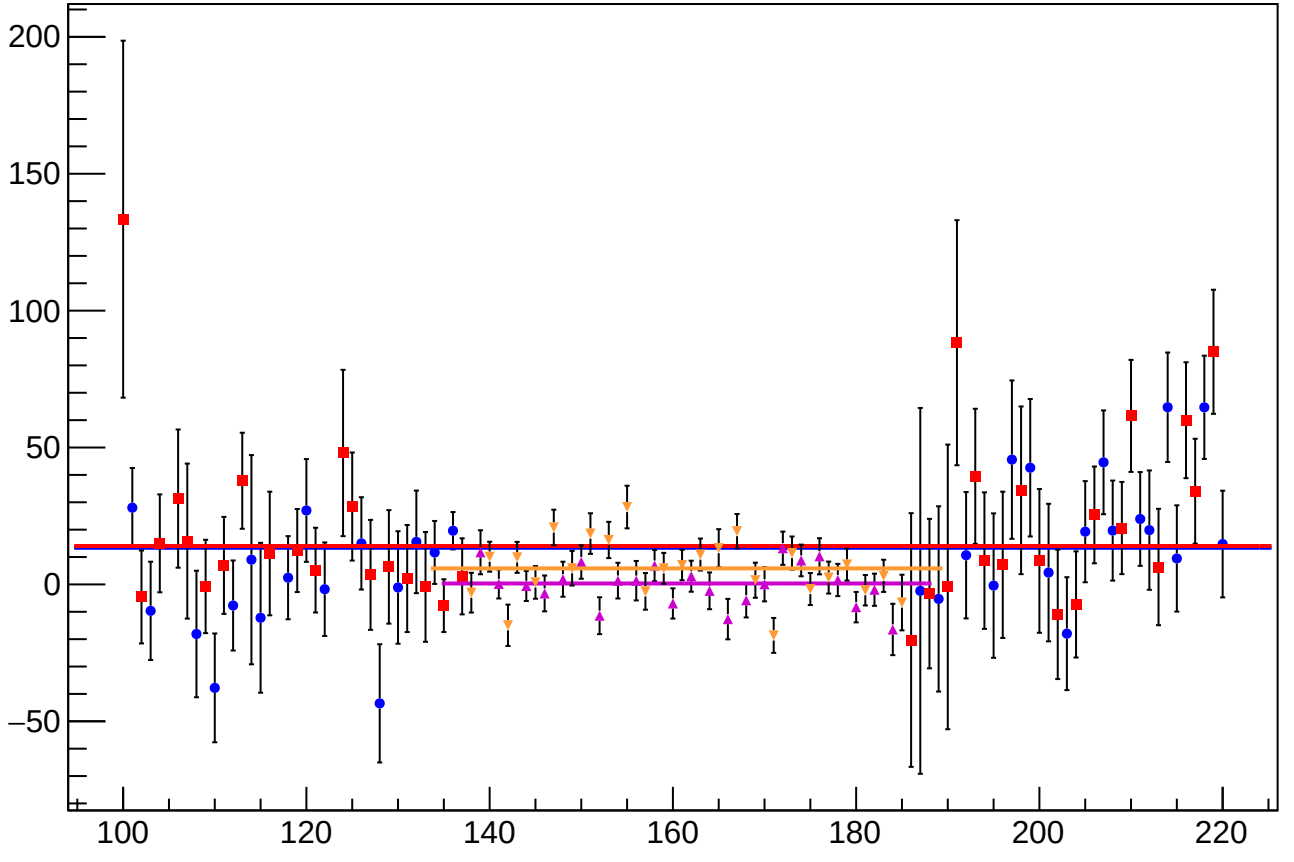
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 2971.102+/-0.368 χ^2/NDF: 13862766.2/57

All: 3003.817+/-0.264 χ^2/NDF: 27309671.3/1

- sign 3038.595+/-0.379 χ^2/NDF: 13430602.2/59

diff_bpm16X_mean vs Slug



Right In: 13.389+/-3.094 χ^2/NDF: 46.9/32

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 14.026+/-3.296 χ^2/NDF: 46.5/36

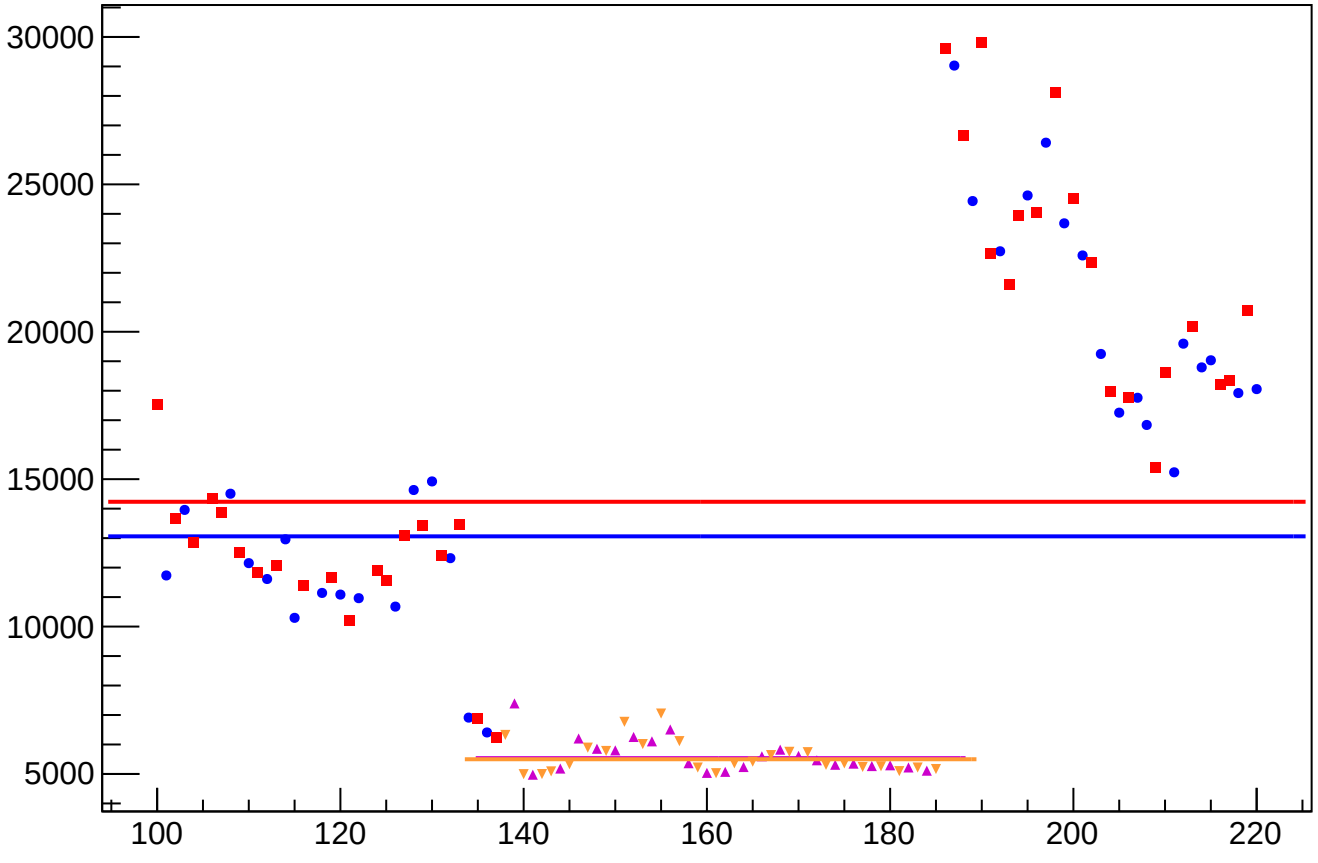
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.918+/-1.165 χ^2/NDF: 112.1/57

All: 4.640+/-0.839 χ^2/NDF: 210.8/117

- sign 2.181+/-1.210 χ^2/NDF: 90.8/59

diff_bpm16X_rms vs Slug



Right In: 13060.327+/-2.188 χ^2/NDF: 6167592.8/32

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

Right Out: 14232.969+/-2.331 χ^2/NDF: 5561693.2/36

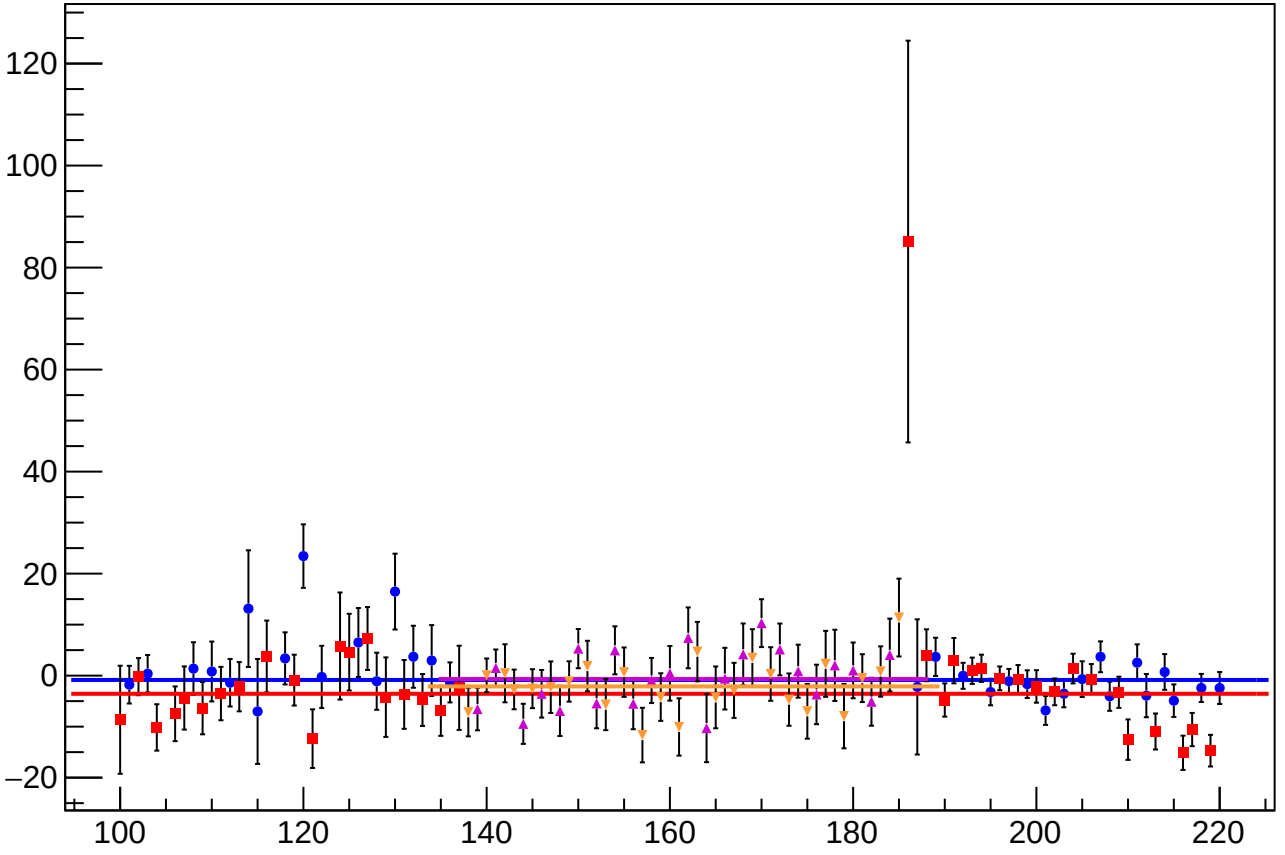
Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6571.236+/-0.824 χ^2/NDF: 16718744.7/57

All: 6637.700+/-0.593 χ^2/NDF: 34639839.7/1

- sign 6709.411+/-0.856 χ^2/NDF: 17907558.9/59

diff_bpm16Y_mean vs Slug



Right In: -0.846+/-0.650 χ^2/NDF: 41.0/32

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -3.560+/-0.647 χ^2/NDF: 75.3/36

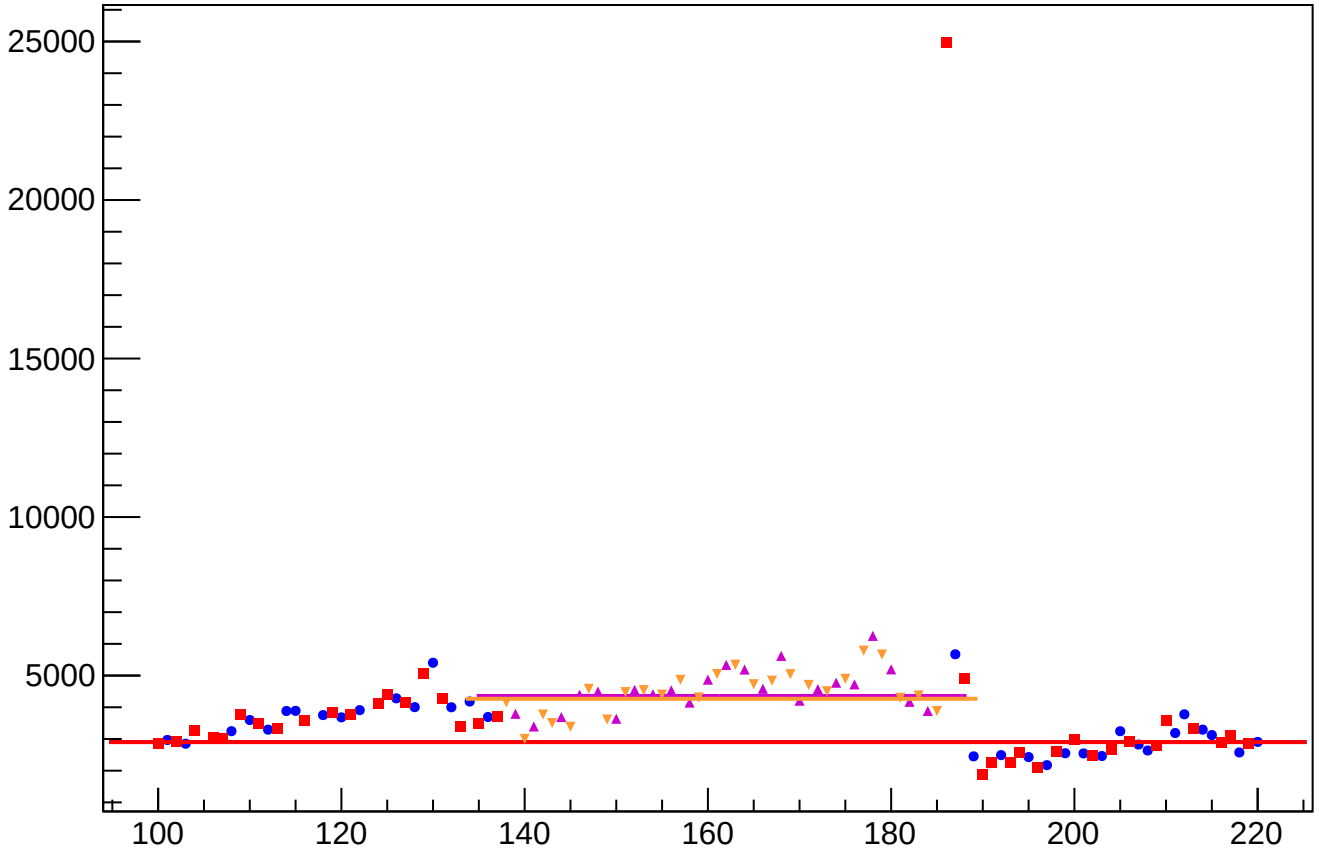
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -1.230+/-0.543 χ^2/NDF: 59.6/57

All: -1.980+/-0.386 χ^2/NDF: 172.7/117

- sign -2.744+/-0.548 χ^2/NDF: 109.3/59

diff_bpm16Y_rms vs Slug



Right In: 2904.321+/-0.460 χ^2/NDF: 1566224.6/32

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2901.720+/-0.458 χ^2/NDF: 2523621.1/36

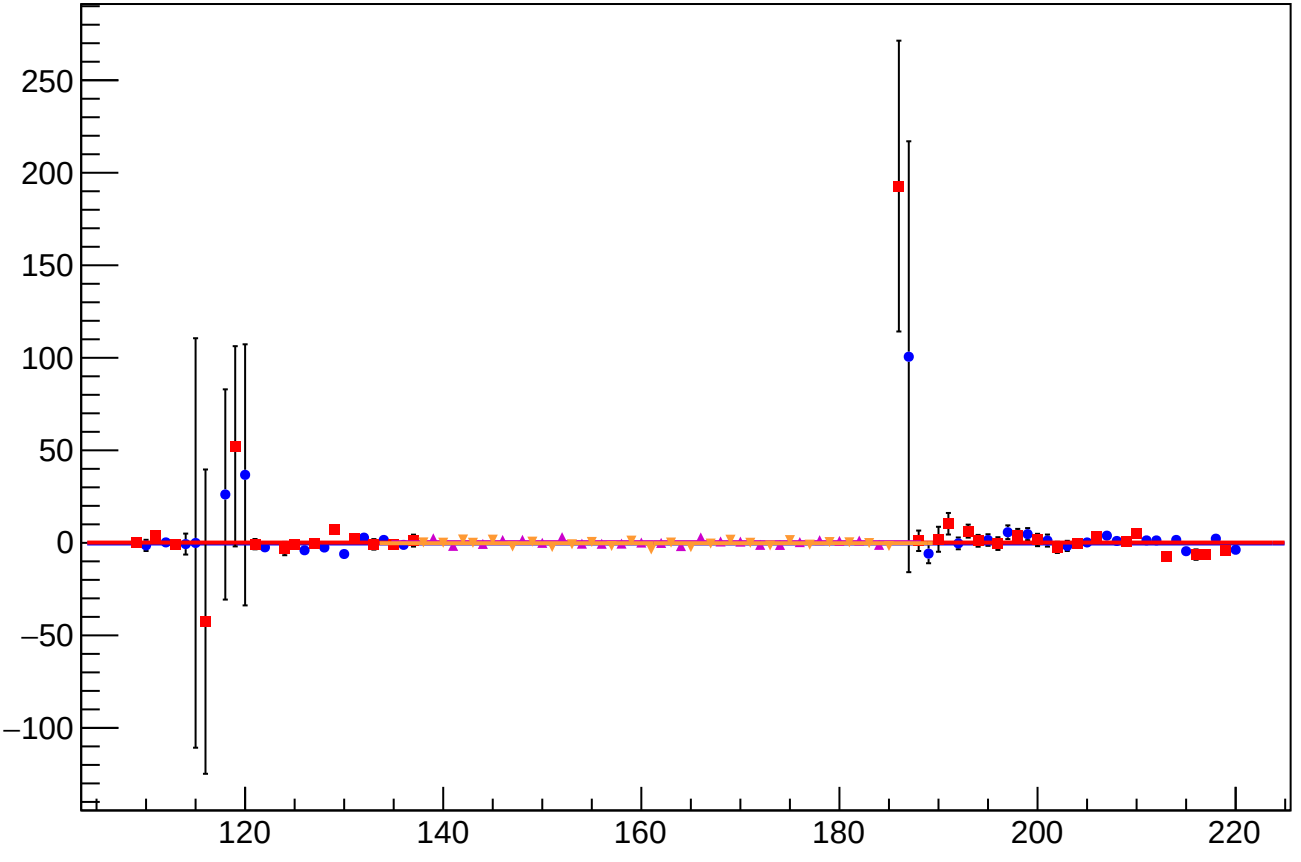
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3316.577+/-0.384 χ^2/NDF: 5261334.4/57

All: 3314.647+/-0.273 χ^2/NDF: 11382914.5/1

- sign 3312.680+/-0.388 χ^2/NDF: 6121529.0/59

diff_bpm1p02bX_mean vs Slug



Right In: -0.346+/-0.483 χ^2/NDF: 34.7/29

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 0.158+/-0.497 χ^2/NDF: 60.0/31

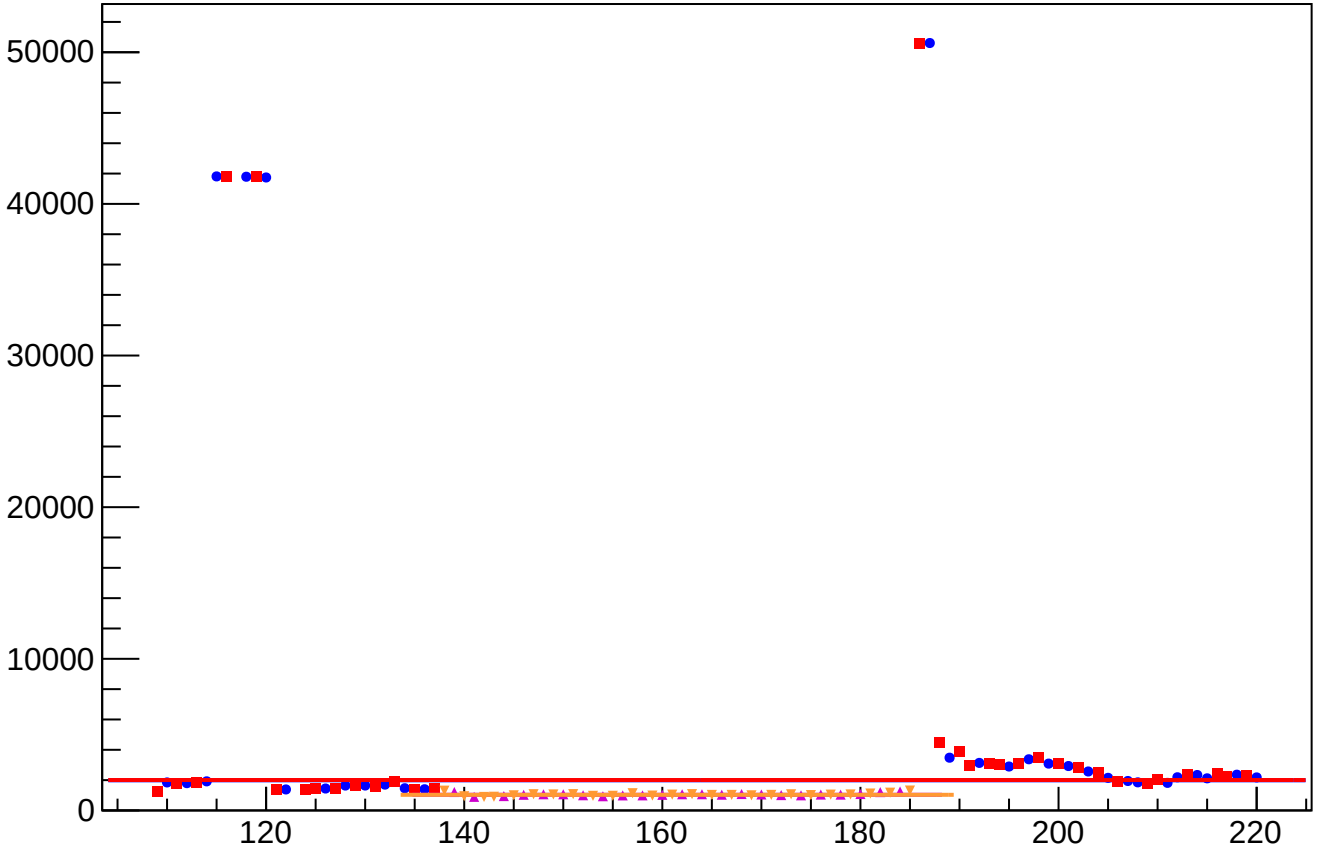
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.229+/-0.212 χ^2/NDF: 68.7/54

All: 0.028+/-0.152 χ^2/NDF: 161.3/109

- sign 0.300+/-0.218 χ^2/NDF: 89.5/54

diff_bpm1p02bX_rms vs Slug



Right In: 1988.352+/-0.342 χ^2/NDF: 4538805.7/29

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 2007.177+/-0.351 χ^2/NDF: 5525514.5/31

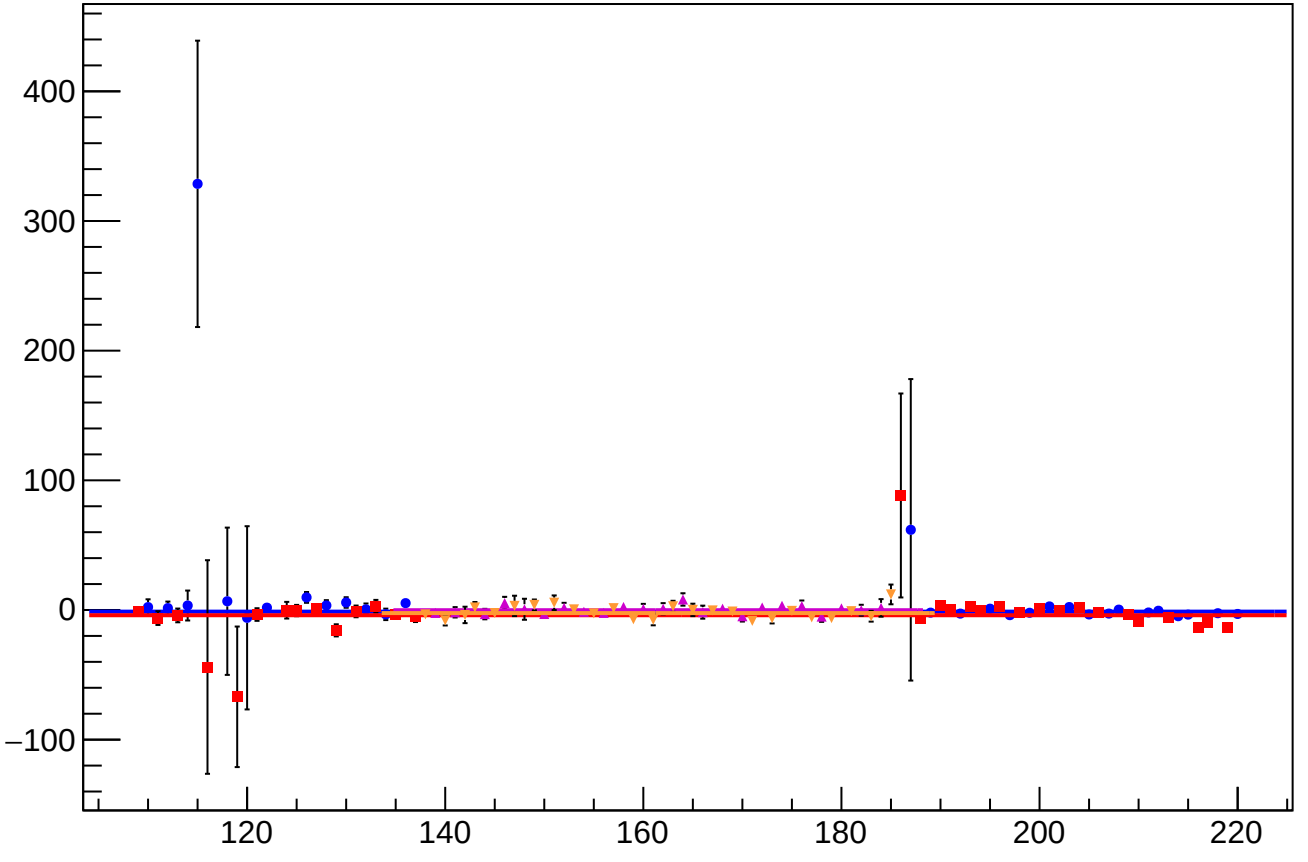
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1215.132+/-0.150 χ^2/NDF: 11120317.9/54

All: 1217.354+/-0.107 χ^2/NDF: 23047919.2/1

- sign 1219.703+/-0.154 χ^2/NDF: 11927148.0/54

diff_bpm1p02bY_mean vs Slug



Right In: -1.266+/-0.398 χ^2/NDF: 57.7/29

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -4.050+/-0.420 χ^2/NDF: 164.1/31

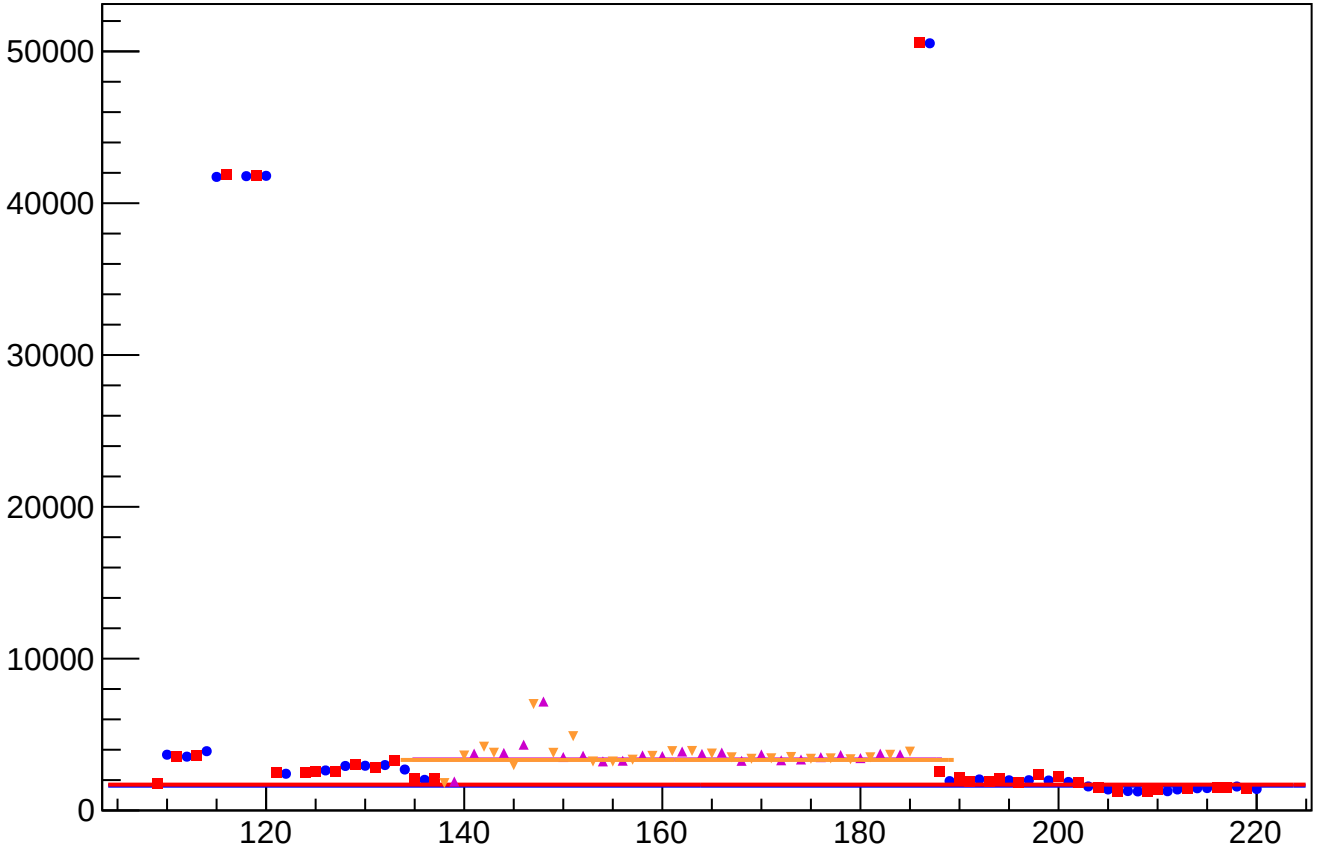
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -1.496+/-0.355 χ^2/NDF: 83.6/54

All: -2.320+/-0.257 χ^2/NDF: 289.9/109

- sign -3.229+/-0.372 χ^2/NDF: 194.9/54

diff_bpm1p02bY_rms vs Slug



Right In: 1630.930+/-0.282 χ^2/NDF: 4737171.9/29

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 1701.680+/-0.297 χ^2/NDF: 4894679.2/31

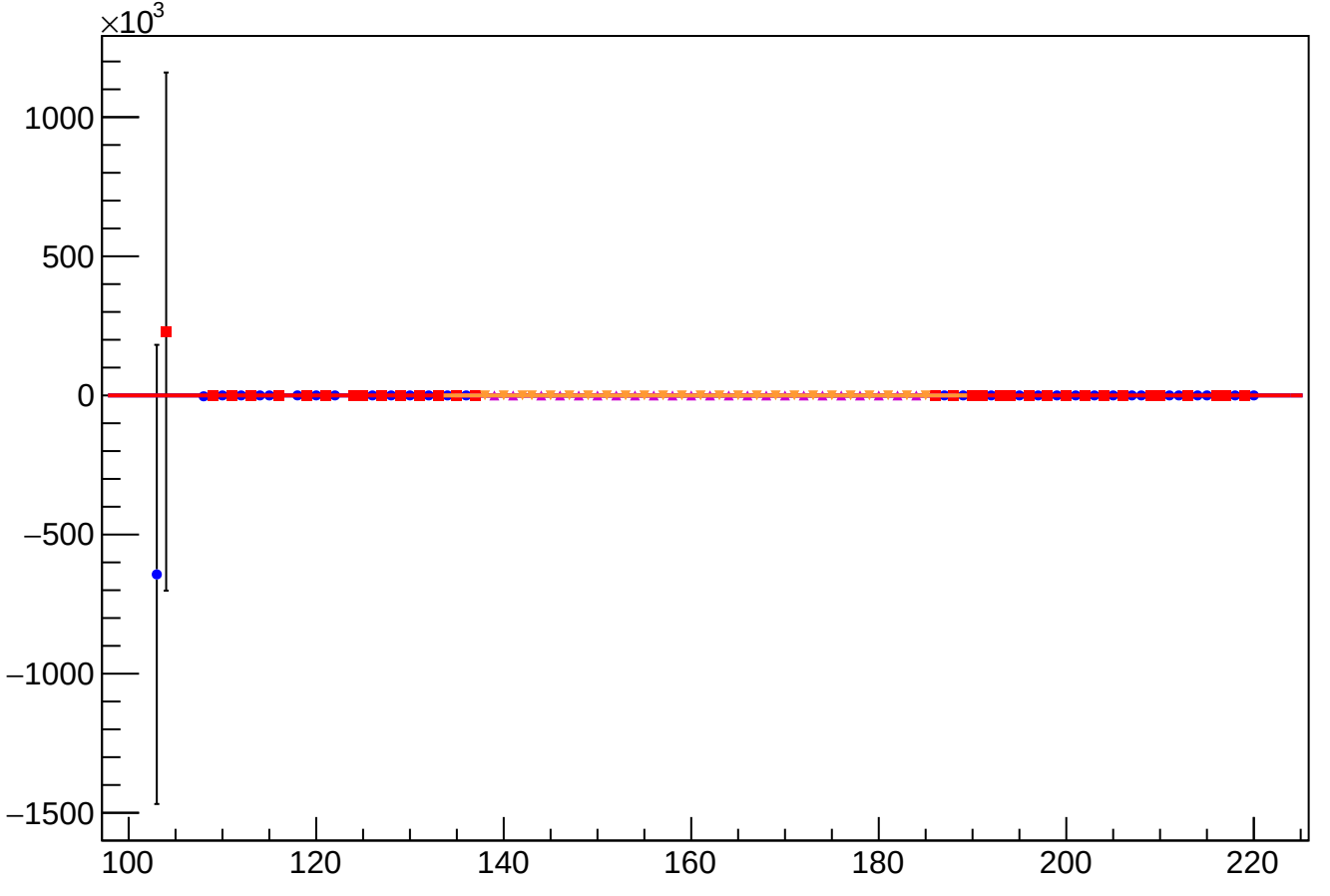
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 1980.272+/-0.251 χ^2/NDF: 14133763.6/54

All: 2014.815+/-0.182 χ^2/NDF: 27338832.6/1

- sign 2052.886+/-0.263 χ^2/NDF: 13165220.8/54

diff_bpm1p03aX_mean vs Slug



Right In: -2.480+/-0.513 χ^2/NDF: 46.2/31

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -3.645+/-0.536 χ^2/NDF: 89.8/32

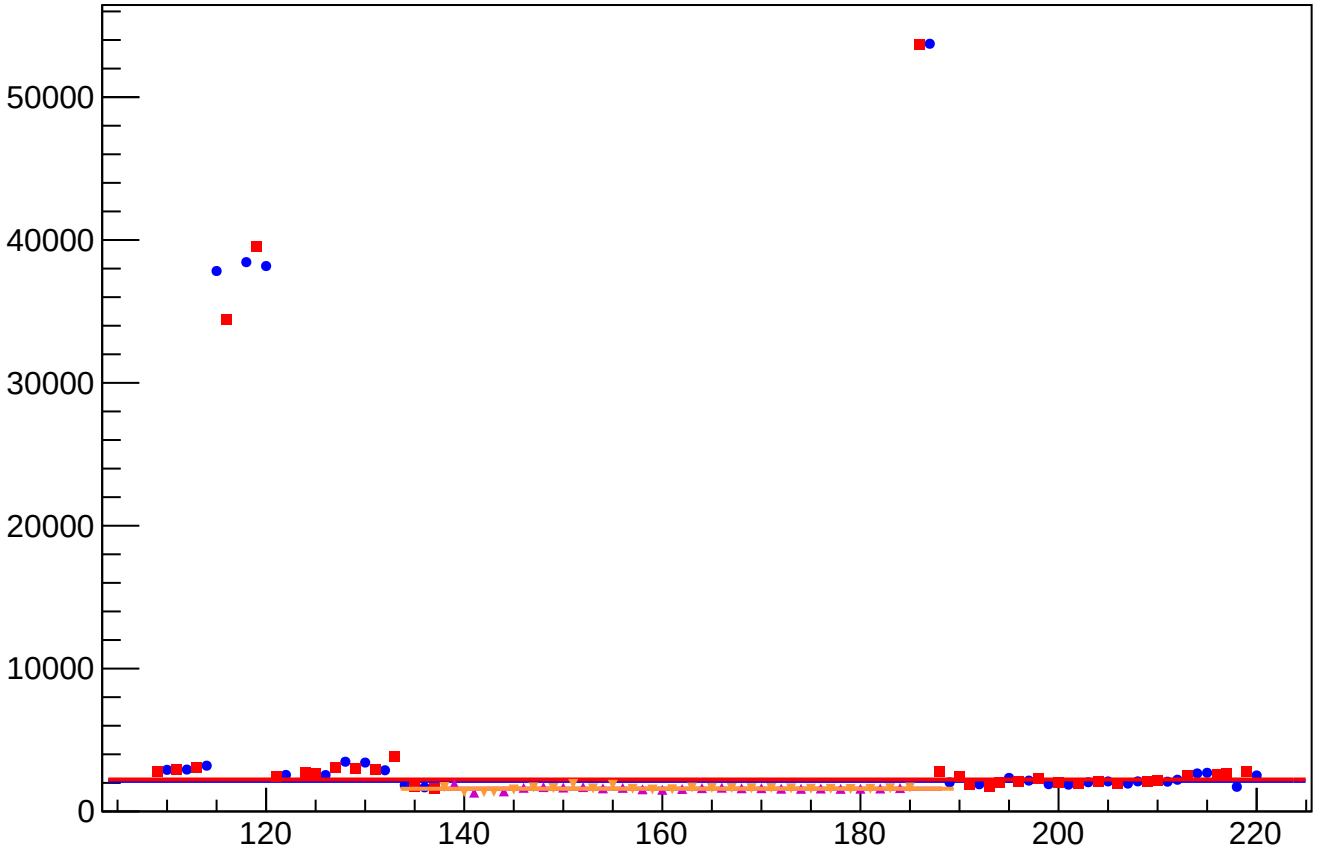
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.875+/-0.296 χ^2/NDF: 98.6/56

All: -1.541+/-0.213 χ^2/NDF: 249.7/112

- sign -1.184+/-0.307 χ^2/NDF: 148.5/55

diff_bpm1p03aX_rms vs Slug



Right In: 2139.609+/-0.363 χ^2/NDF: 3269694.0/29

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2237.728+/-0.379 χ^2/NDF: 3439474.2/31

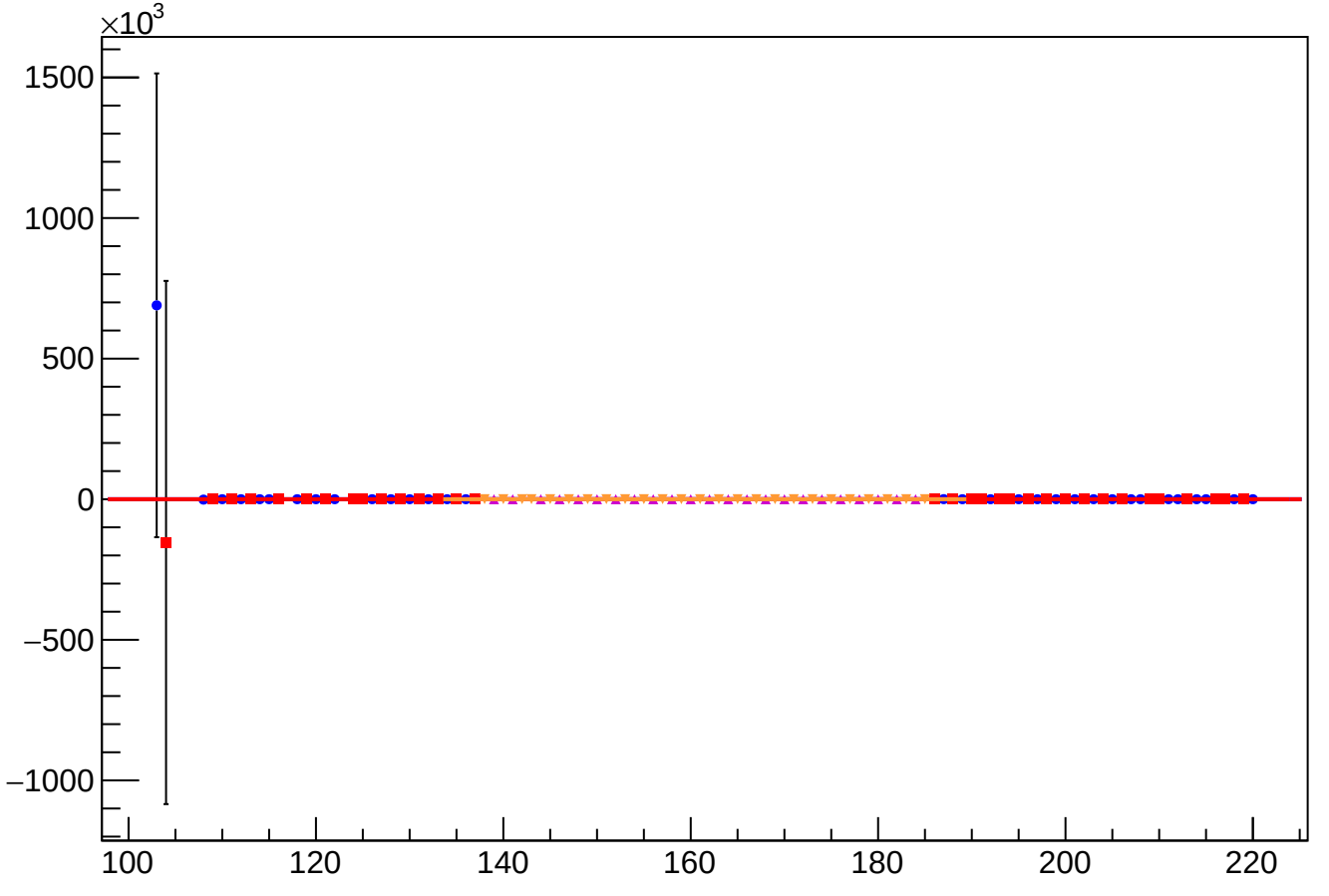
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1772.769+/-0.210 χ^2/NDF: 5033376.4/54

All: 1789.071+/-0.151 χ^2/NDF: 10607508.4/1

- sign 1806.564+/-0.217 χ^2/NDF: 5561584.7/54

diff_bpm1p03aY_mean vs Slug



Right In: -0.367+/-0.331 χ^2/NDF: 29.4/31

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: -1.800+/-0.341 χ^2/NDF: 67.0/32

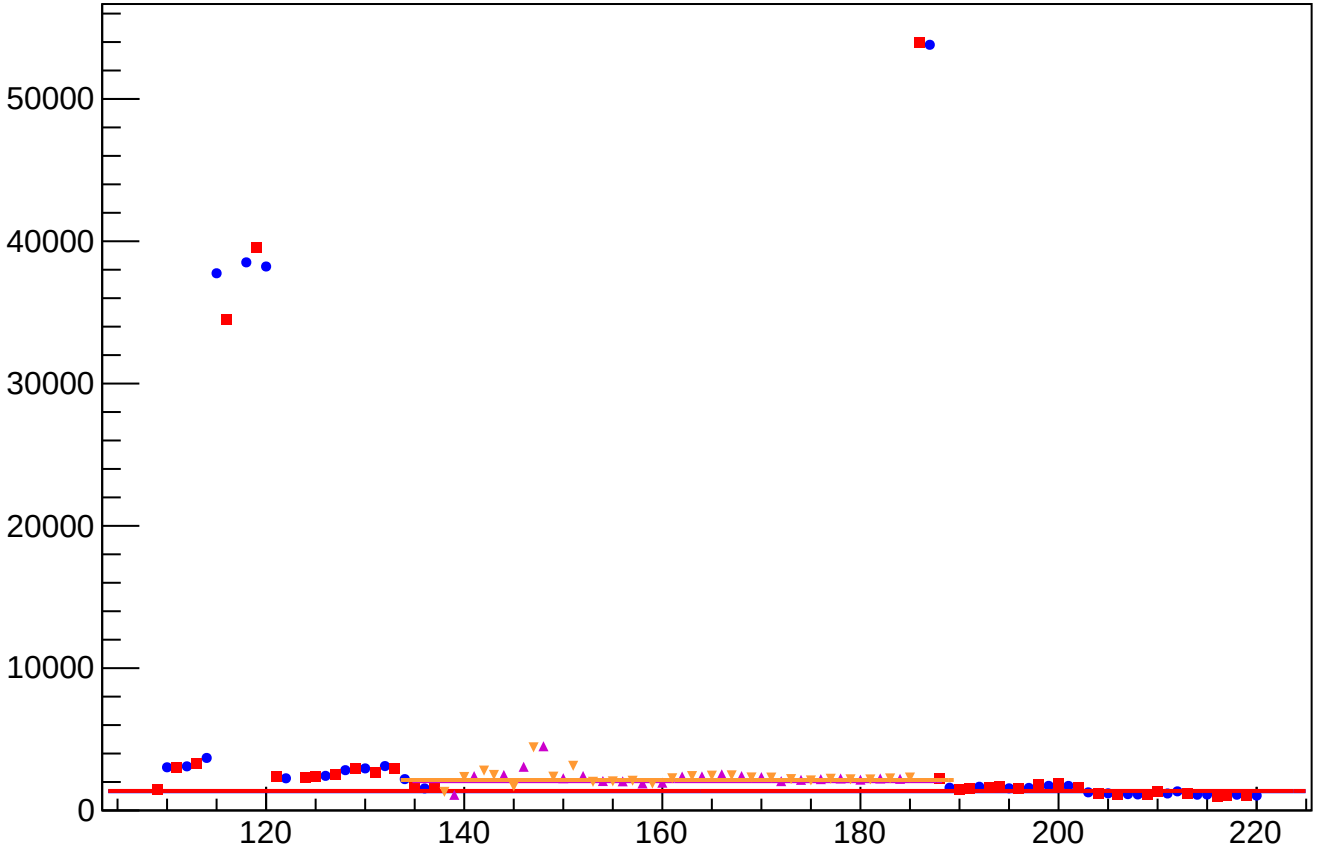
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.613+/-0.277 χ^2/NDF: 55.6/56

All: -0.896+/-0.197 χ^2/NDF: 151.8/112

- sign -1.191+/-0.282 χ^2/NDF: 94.0/55

diff_bpm1p03aY_rms vs Slug



Right In: 1349.482+/-0.234 χ^2/NDF: 5105866.1/29

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1371.063+/-0.241 χ^2/NDF: 5499651.1/31

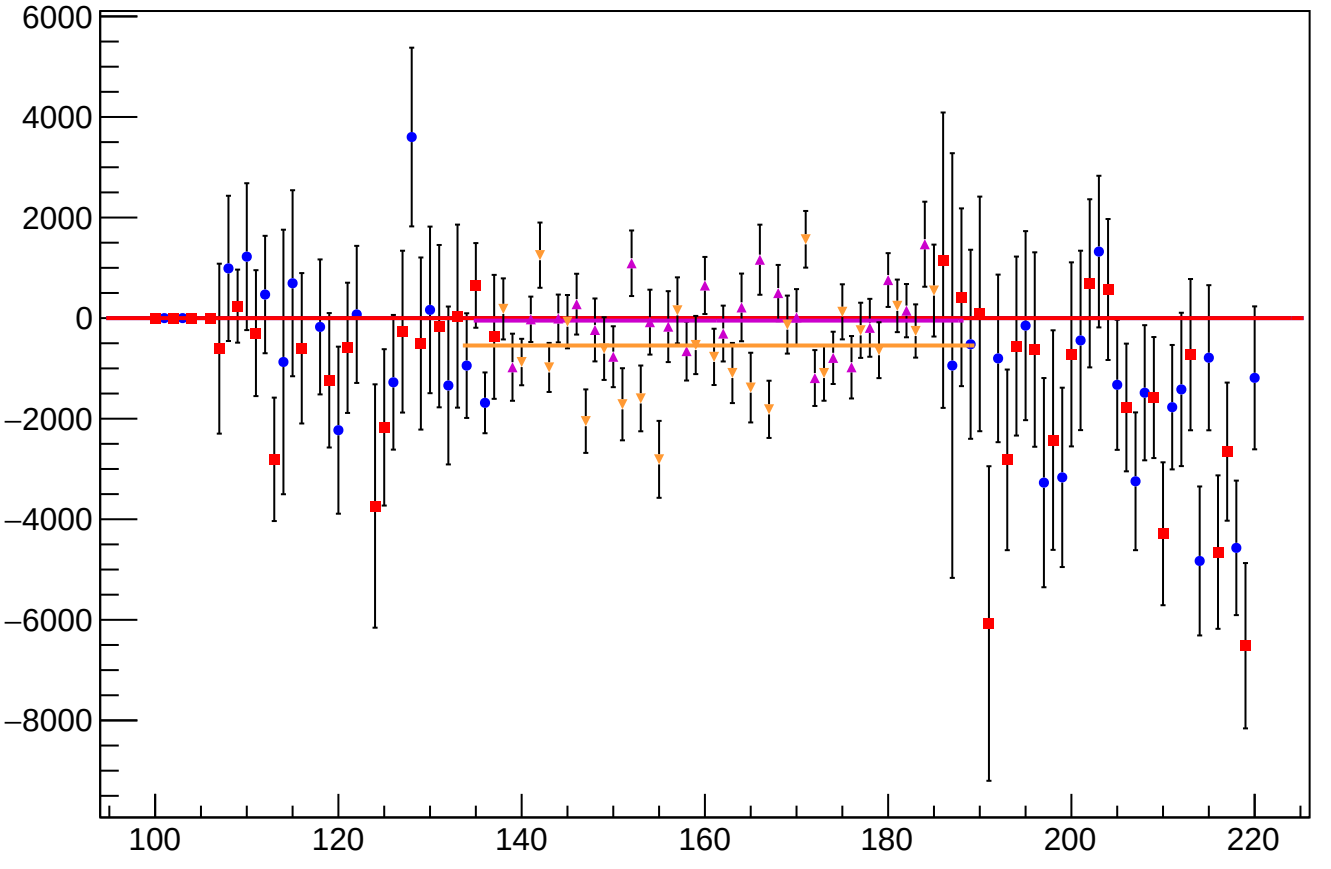
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 1588.829+/-0.196 χ^2/NDF: 10029403.1/54

All: 1588.708+/-0.140 χ^2/NDF: 20391497.9/1

- sign 1588.582+/-0.199 χ^2/NDF: 10362094.0/54

diff_cav4bX_mean vs Slug



Right In: 0.254+/-0.356 χ^2/NDF: 58.7/32

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

Right Out: 0.095+/-0.328 χ^2/NDF: 65.5/36

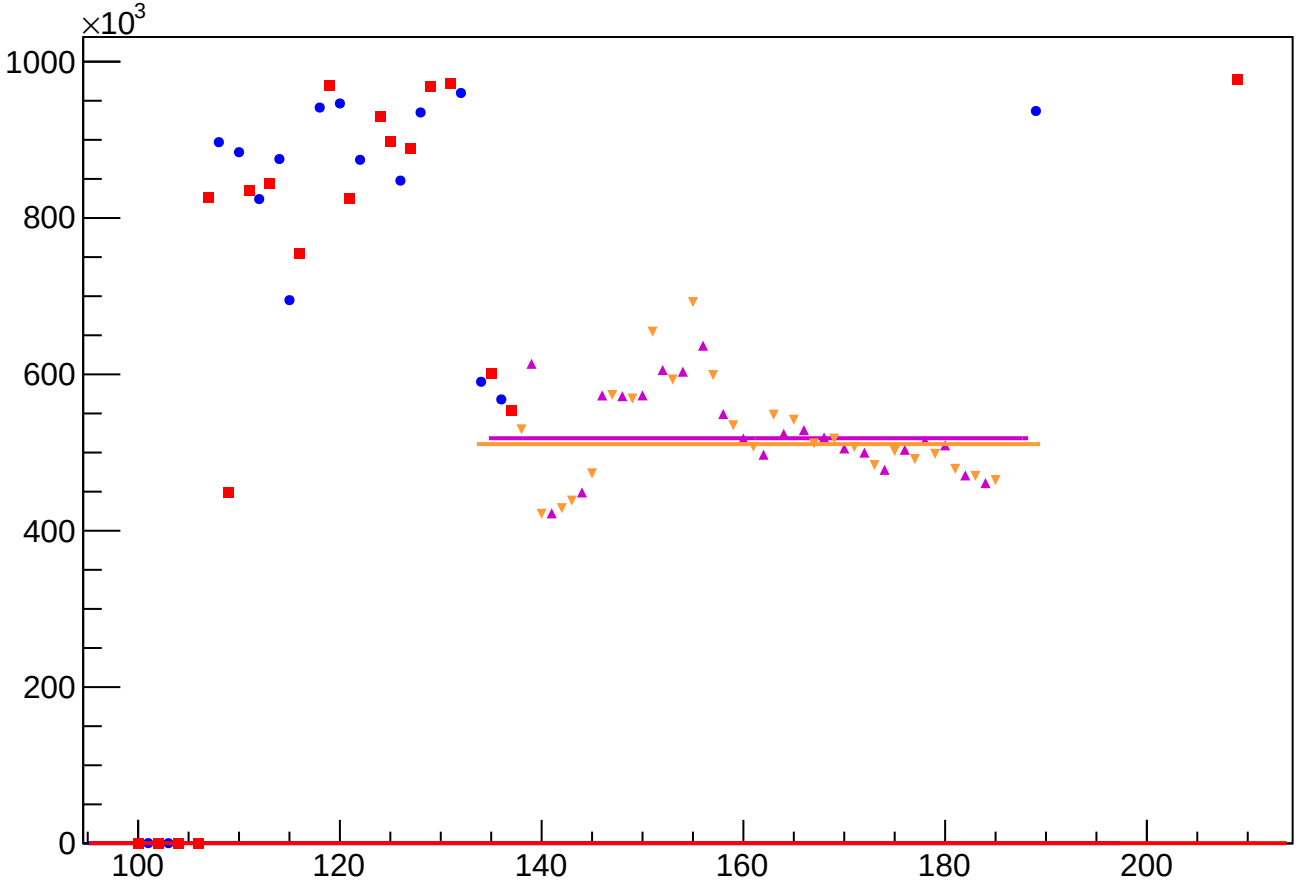
Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.249+/-0.356 χ^2/NDF: 141.1/57

All: 0.165+/-0.241 χ^2/NDF: 234.9/117

- sign 0.094+/-0.328 χ^2/NDF: 93.7/59

diff_cav4bX_rms vs Slug



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: 393.242+/-0.232 χ^2/NDF: 7684547.6/18

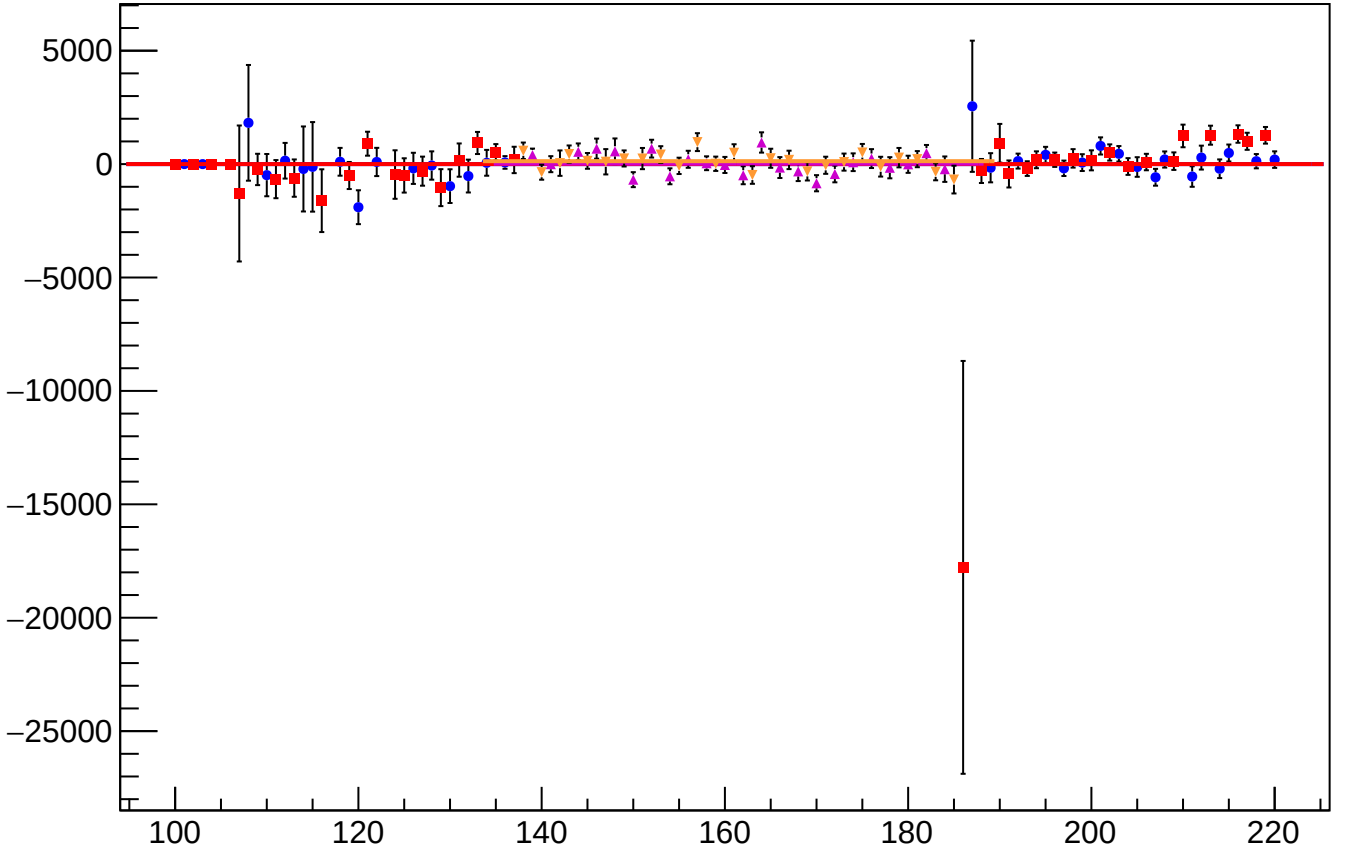
Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.598+/-0.251 χ^2/NDF: 47157011.5/40

All: 400.022+/-0.170 χ^2/NDF: 91325731.6/82

- sign 396.985+/-0.232 χ^2/NDF: 44168346.1/41

diff_cav4bY_mean vs Slug



Right In: -0.019+/-0.347 χ^2/NDF: 26.4/32

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

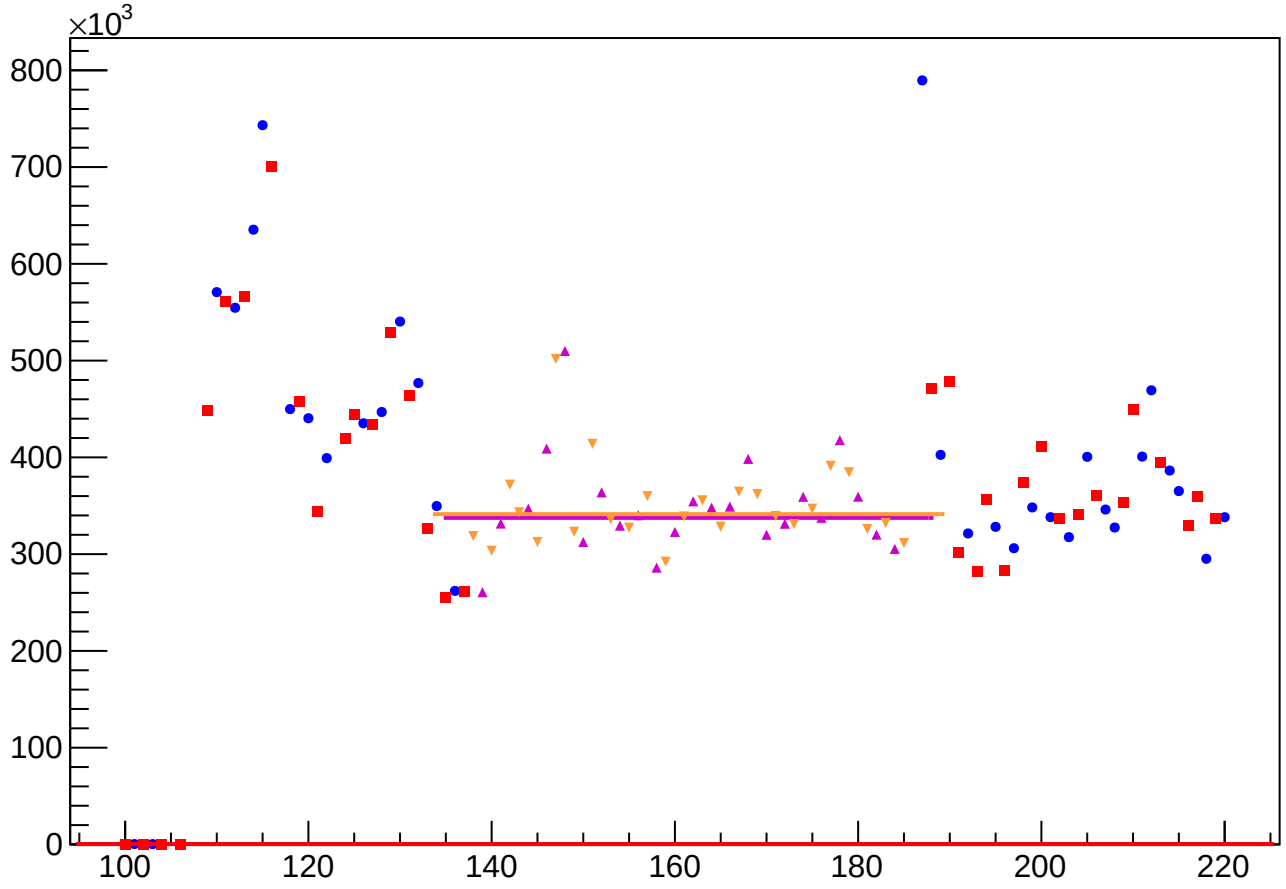
Right Out: 0.603+/-0.324 χ^2/NDF: 71.1/36

Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.016+/-0.347 χ^2/NDF: 49.3/57

All: 0.315+/-0.237 χ^2/NDF: 155.9/117

- sign 0.604+/-0.324 χ^2/NDF: 104.9/59



Right In: 394.866+/-0.245 χ^2/NDF: 37673980.9/31

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 391.880+/-0.229 χ^2/NDF: 37596374.3/34

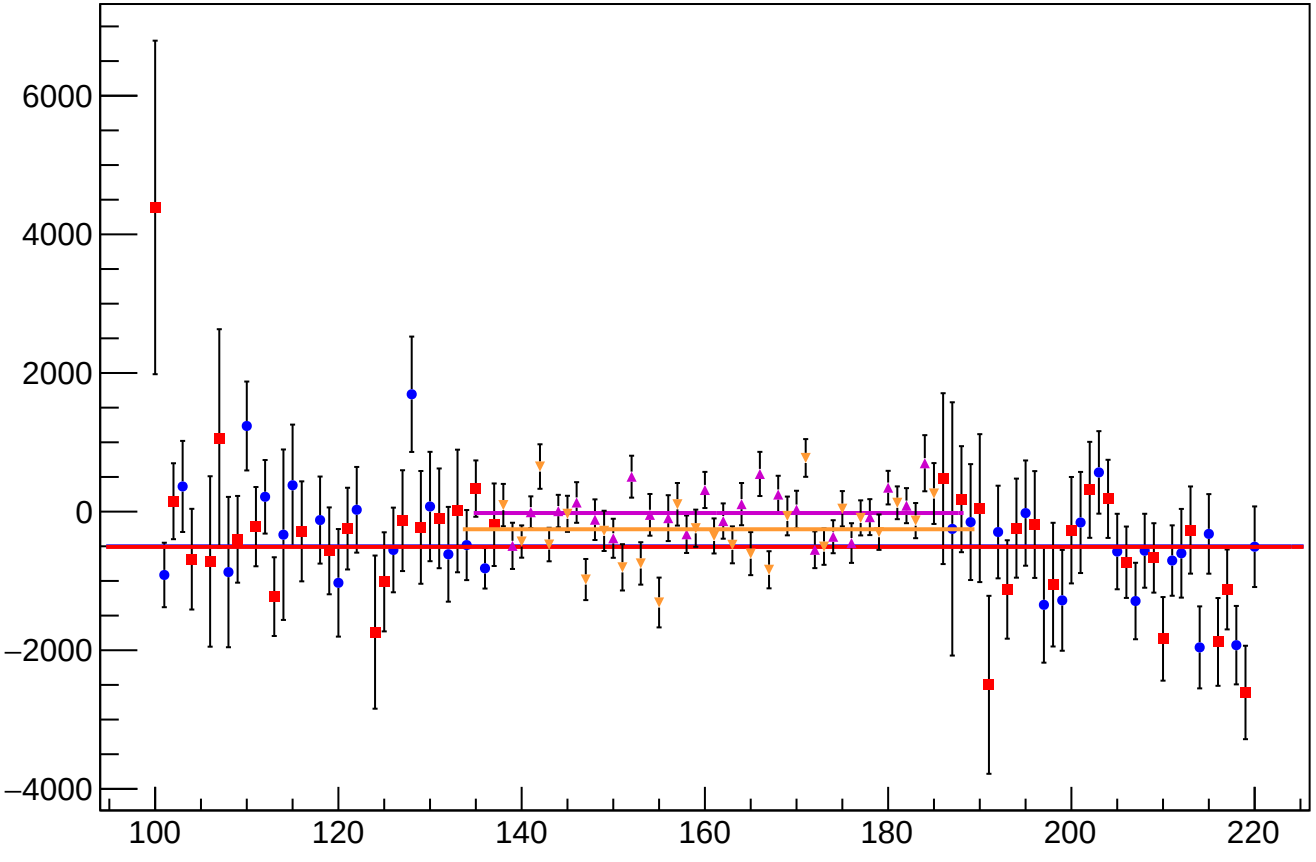
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 401.574+/-0.245 χ^2/NDF: 76043869.1/56

All: 399.361+/-0.167 χ^2/NDF: 149958764.0/1

- sign 397.434+/-0.229 χ^2/NDF: 73914742.8/57

diff_cav4cX_mean vs Slug



Right In: -501.180+/-106.451 χ^2/NDF: 44.1/32

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

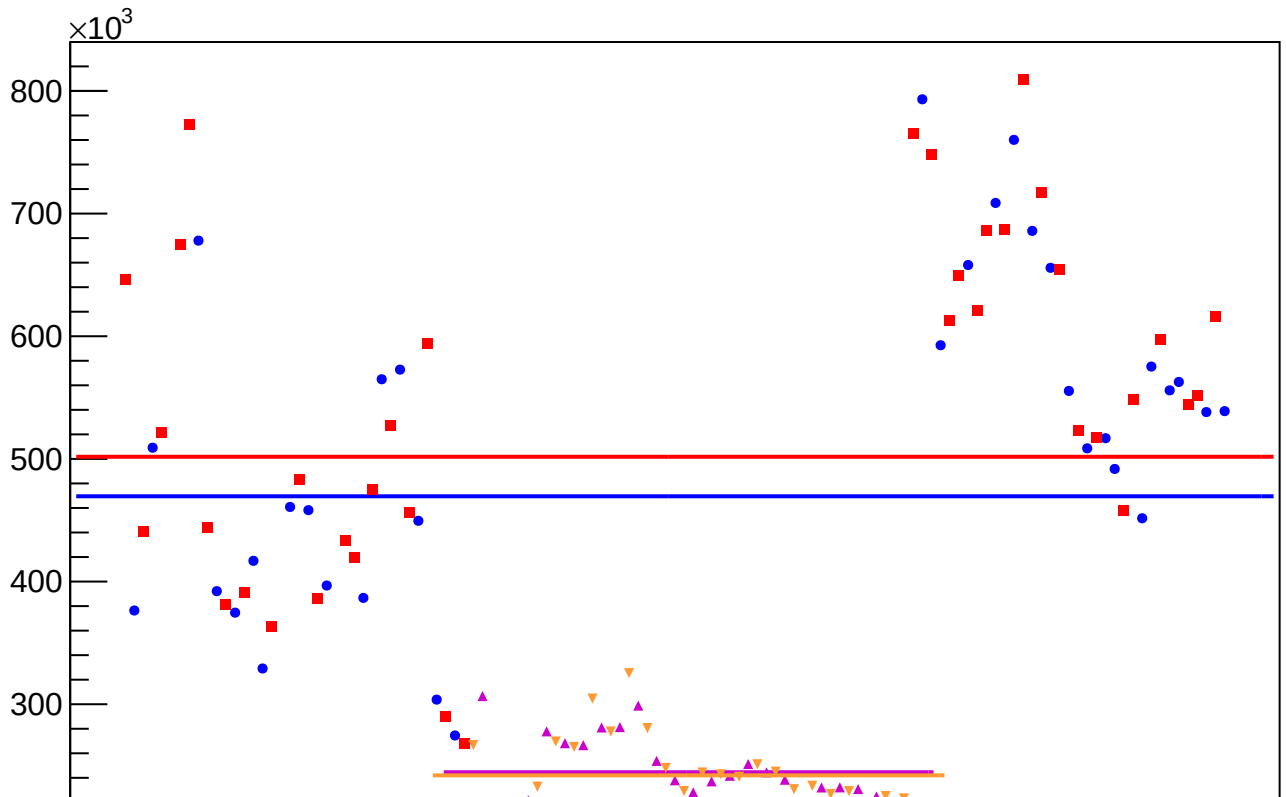
Right Out: -509.095+/-112.369 χ^2/NDF: 45.6/36

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -306.998+/-49.155 χ^2/NDF: 109.7/57

All: -218.025+/-35.451 χ^2/NDF: 205.7/117

- sign -121.586+/-51.176 χ^2/NDF: 89.2/59



Right In: 469529.715+/-75.283 χ^2/NDF: 2835358.0/32

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 501748.797+/-79.530 χ^2/NDF: 2671772.8/36

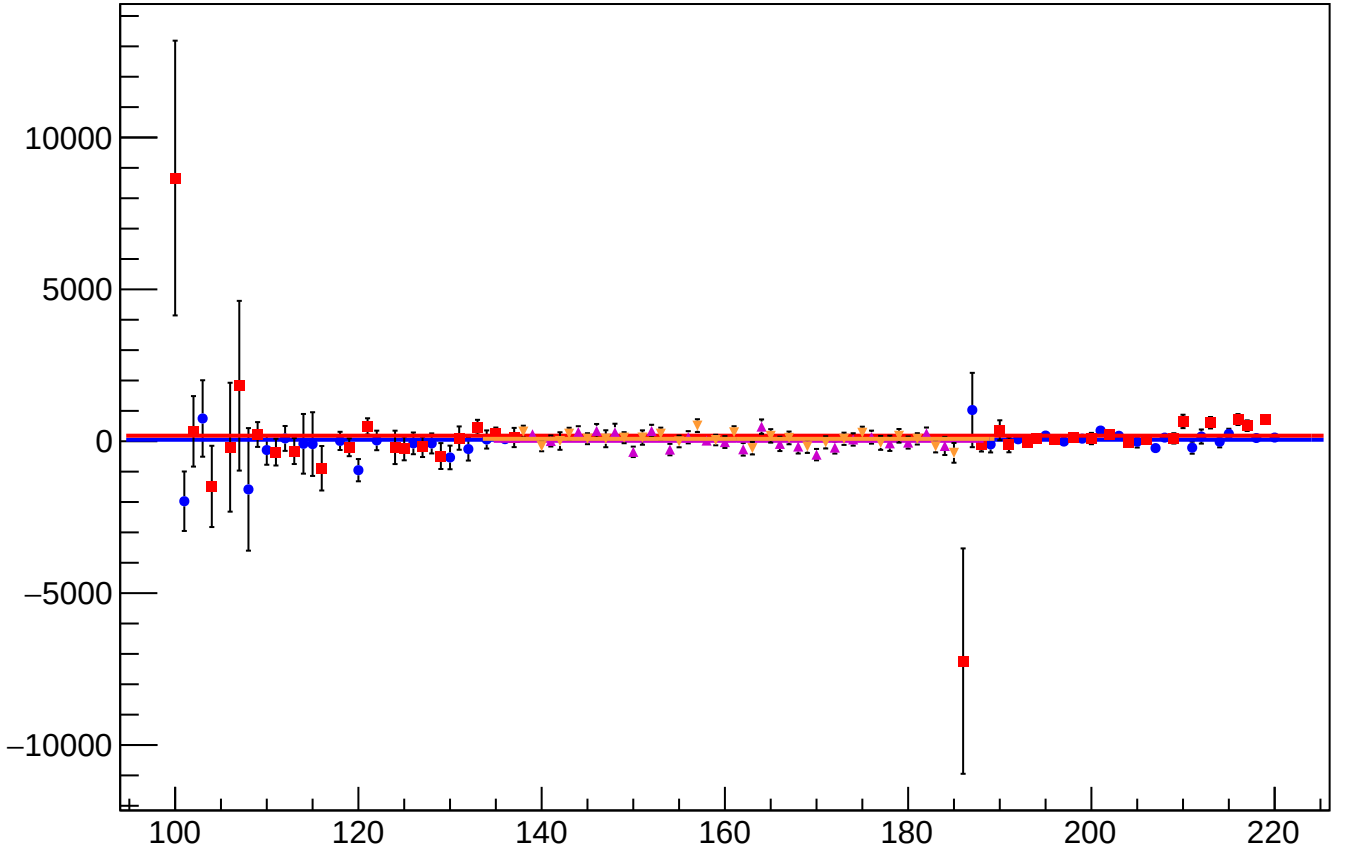
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 290511.465+/-34.759 χ^2/NDF: 10435202.3/5

All: 294015.038+/-25.070 χ^2/NDF: 2178267

- sign 297813.815+/-36.194 χ^2/NDF: 11326299.5/5

diff_cav4cY_mean vs Slug



Right In: 49.280+/-36.979 χ^2/NDF: 29.9/32

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 183.387+/-37.381 χ^2/NDF: 68.7/36

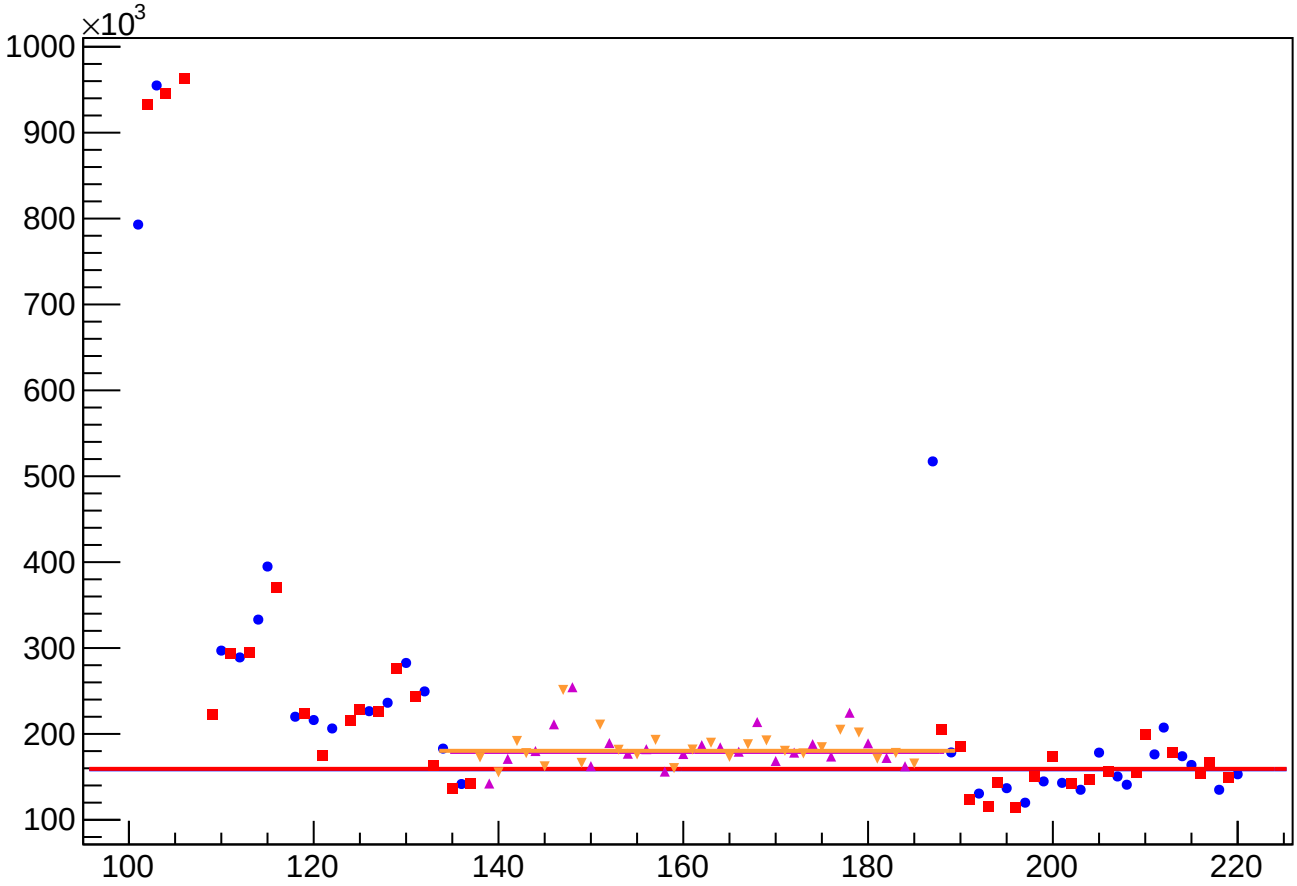
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 62.725+/-27.550 χ^2/NDF: 49.9/57

All: 85.491+/-19.635 χ^2/NDF: 162.2/117

- sign 108.993+/-27.991 χ^2/NDF: 110.9/59

diff_cav4cY_rms vs Slug



Right In: 158795.808+/-26.156 χ^2/NDF: 3432589.3/31

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 159341.429+/-26.446 χ^2/NDF: 3373490.9/33

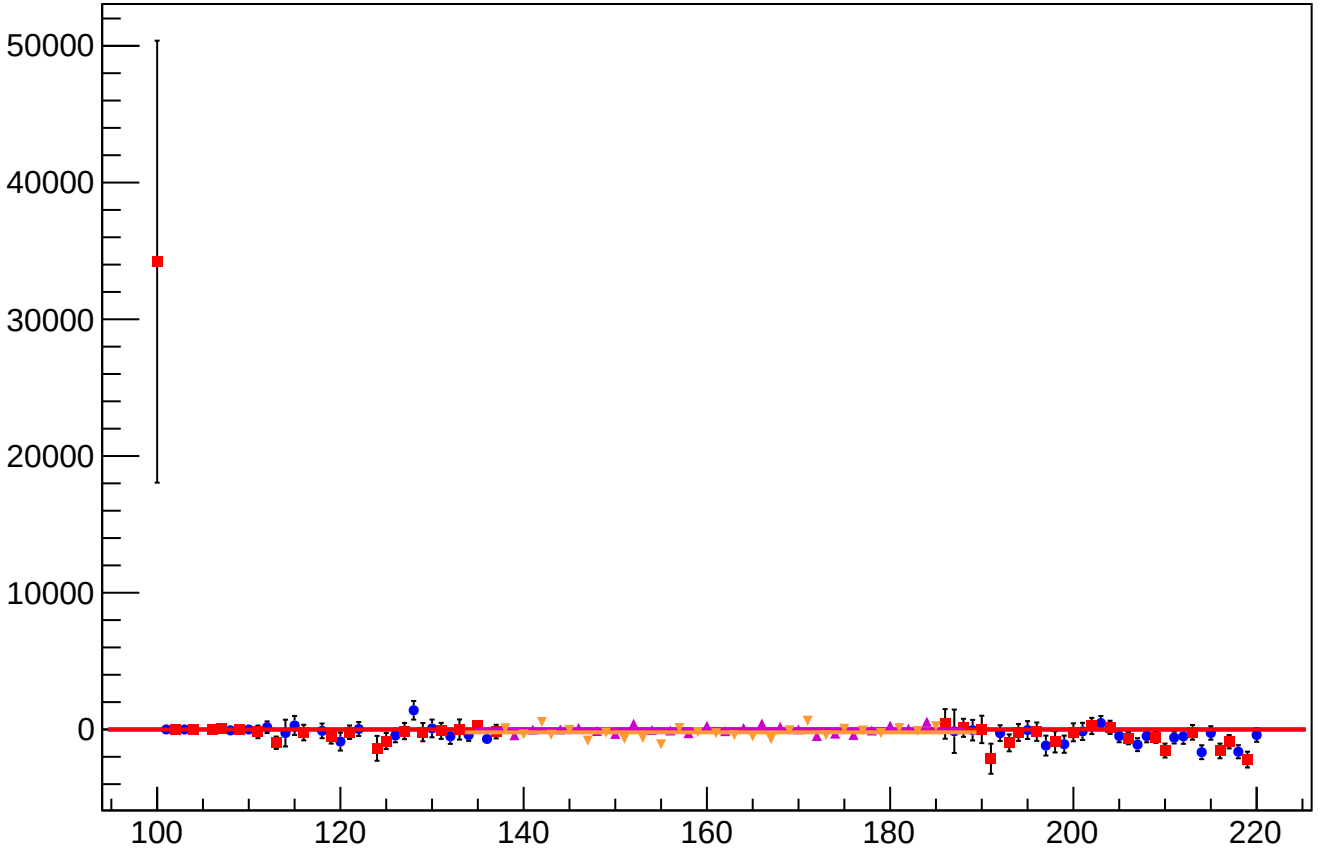
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 168386.656+/-19.484 χ^2/NDF: 4081249.2/56

All: 168192.746+/-13.887 χ^2/NDF: 8199814.

- sign 167992.525+/-19.798 χ^2/NDF: 4118363.5/56

diff_cav4dX_mean vs Slug



Right In: -0.036+/-0.172 χ^2/NDF: 58.4/32

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

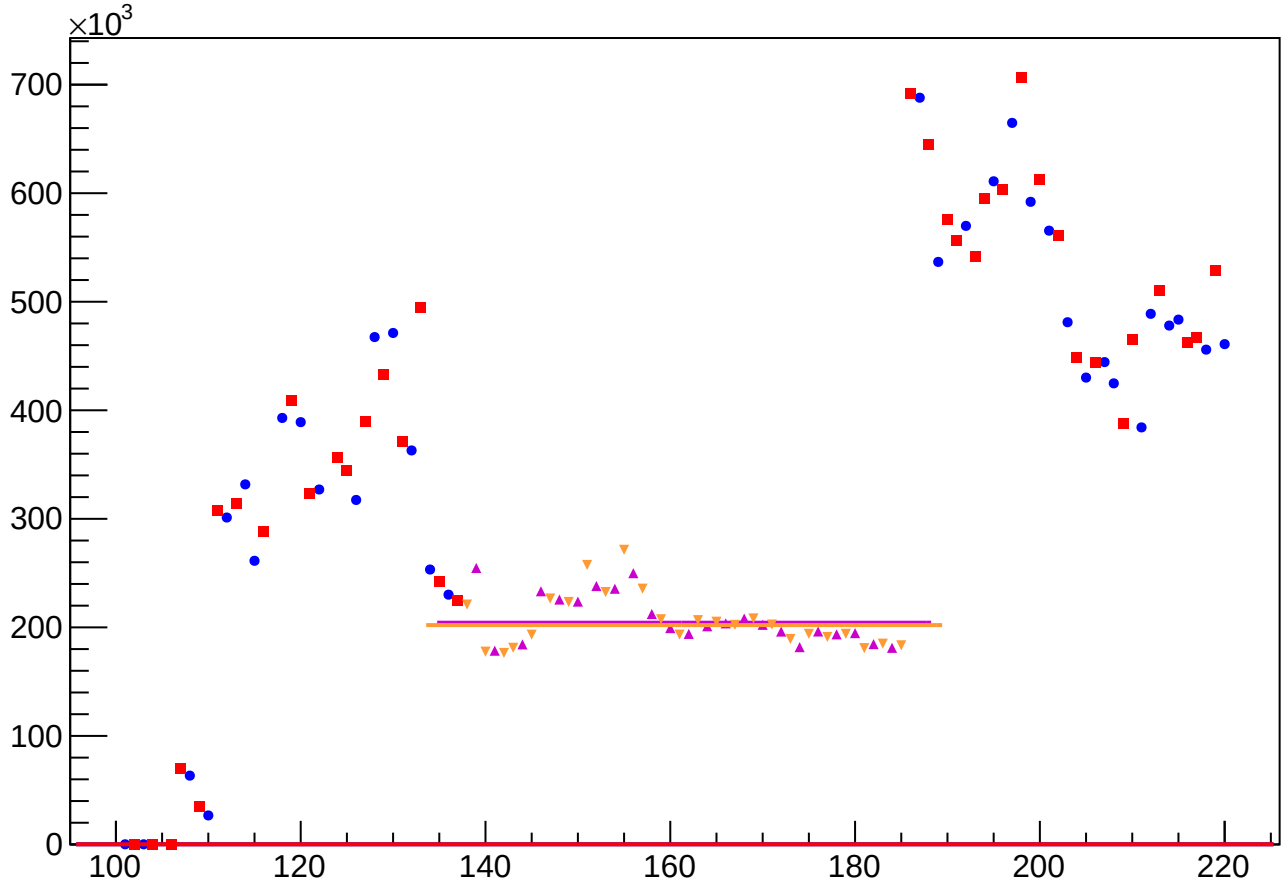
Right Out: -0.356+/-0.160 χ^2/NDF: 64.4/36

Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.039+/-0.172 χ^2/NDF: 140.2/57

All: -0.209+/-0.117 χ^2/NDF: 235.2/117

- sign -0.356+/-0.160 χ^2/NDF: 93.2/59



Right In: 149.915+/-0.122 χ^2/NDF: 38785785.9/32

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 150.062+/-0.113 χ^2/NDF: 39228221.9/35

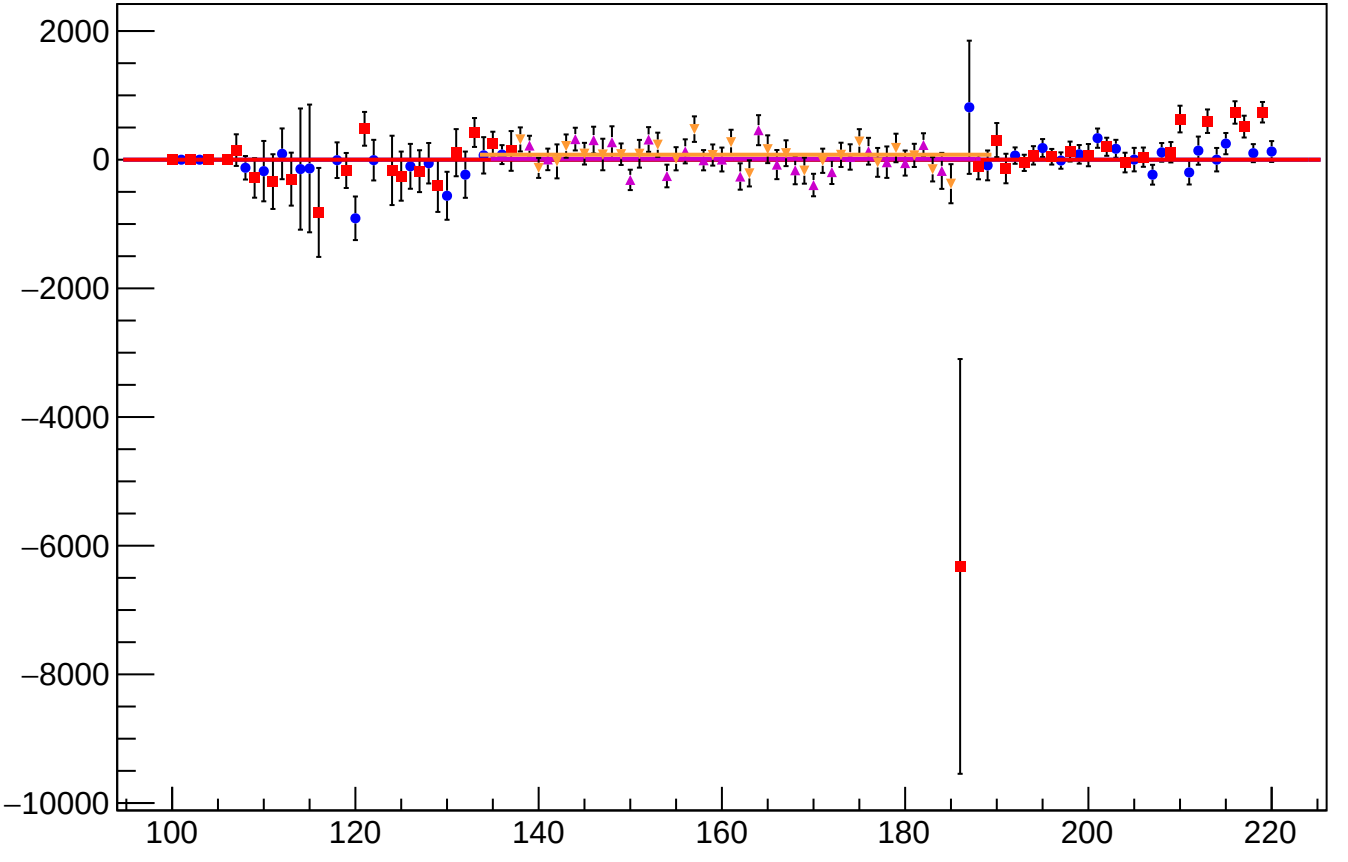
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.712+/-0.122 χ^2/NDF: 77281349.2/57

All: 152.507+/-0.083 χ^2/NDF: 153012116.3/1

- sign 152.330+/-0.113 χ^2/NDF: 75730761.8/58

diff_cav4dY_mean vs Slug



Right In: -0.066+/-0.177 χ^2/NDF: 28.6/32

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

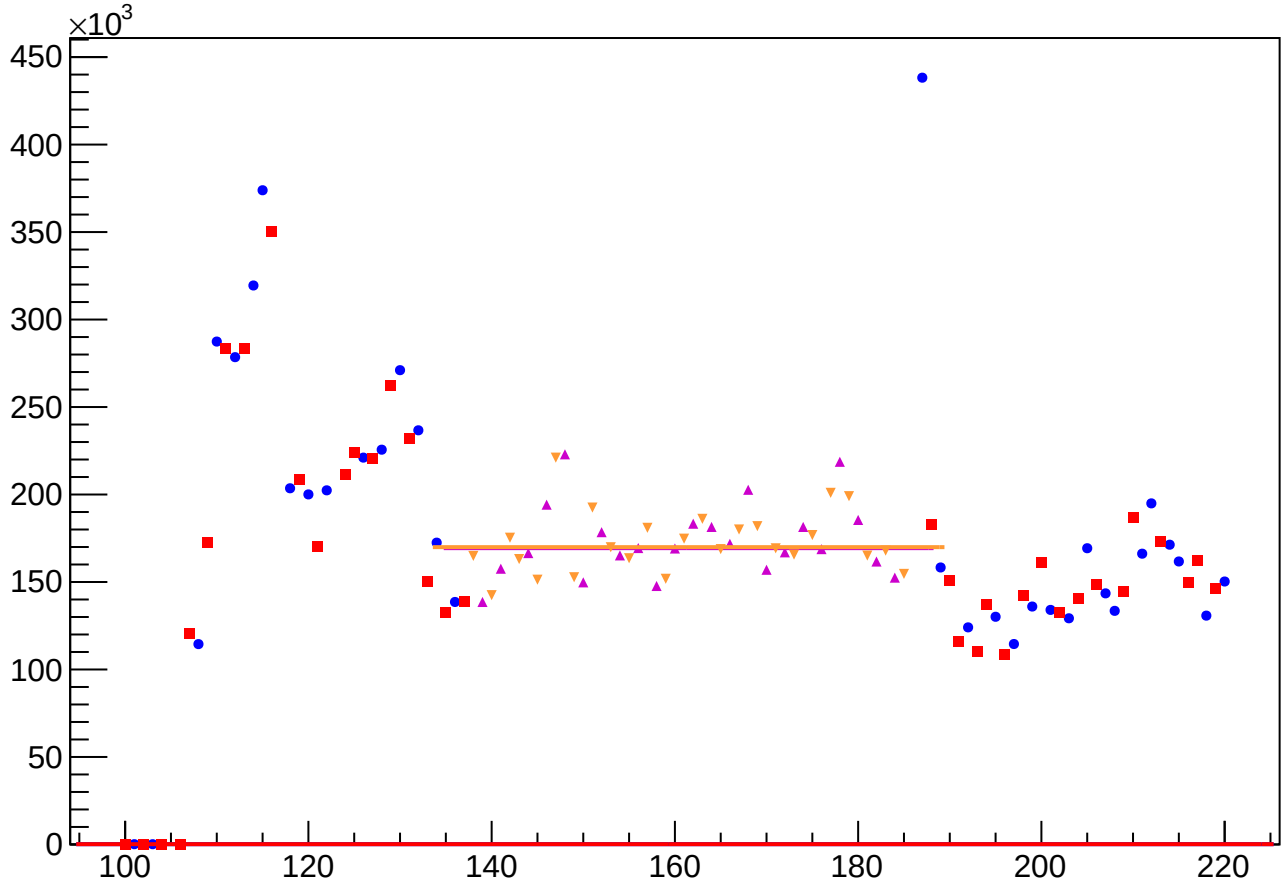
Right Out: 0.130+/-0.166 χ^2/NDF: 93.5/36

Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.065+/-0.177 χ^2/NDF: 51.7/57

All: 0.039+/-0.121 χ^2/NDF: 178.6/117

- sign 0.130+/-0.166 χ^2/NDF: 126.3/59



Right In: 156.397+/-0.125 χ^2/NDF: 38935657.0/32

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 158.716+/-0.118 χ^2/NDF: 38089555.8/35

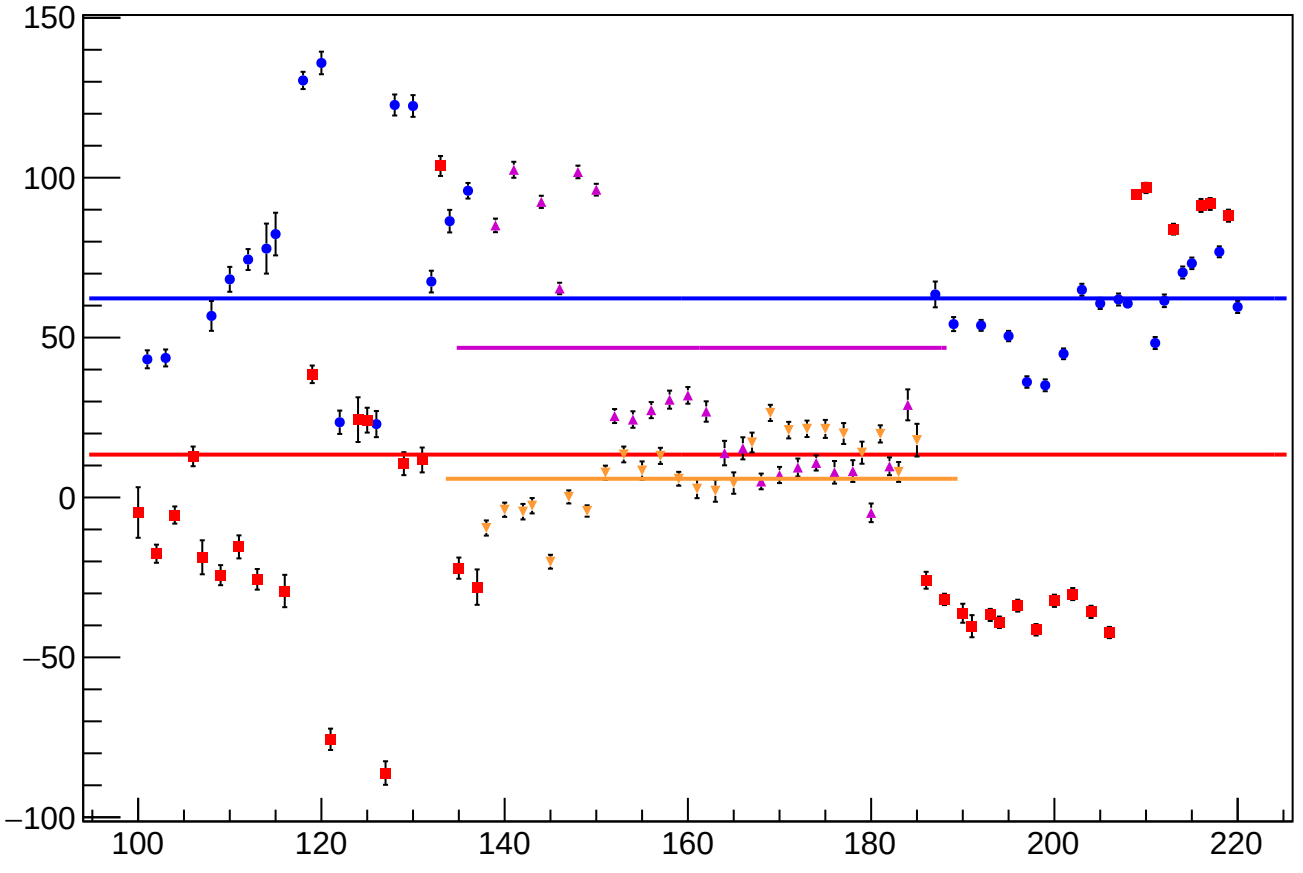
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 159.917+/-0.125 χ^2/NDF: 77346469.2/57

All: 160.842+/-0.086 χ^2/NDF: 151820055.3/1

- sign 161.658+/-0.118 χ^2/NDF: 74473483.7/58

diff_bpm0i01X_mean vs Slug



Right In: 62.254+/-0.396 χ^2/NDF: 3108.0/32

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: 13.409+/-0.386 χ^2/NDF: 24145.7/36

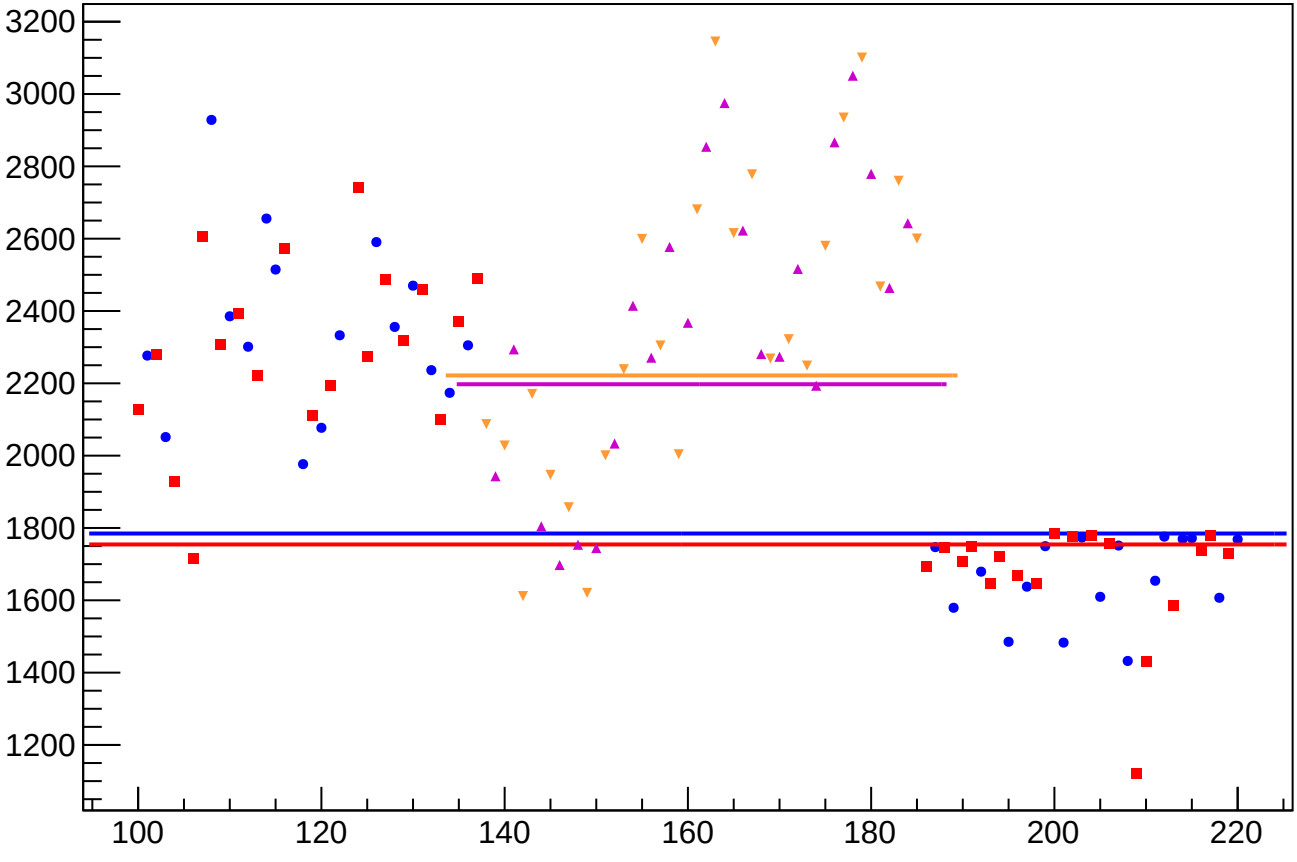
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

\+ sign 41.219+/-0.314 χ^2/NDF: 11194.3/57

All: 33.104+/-0.221 χ^2/NDF: 44467.7/117

\- sign 25.142+/-0.311 χ^2/NDF: 31949.2/59

diff_bpm0i01X_rms vs Slug



Right In: 1784.674+/-0.280 χ^2/NDF: 1110230.2/32

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1754.433+/-0.273 χ^2/NDF: 1478198.0/36

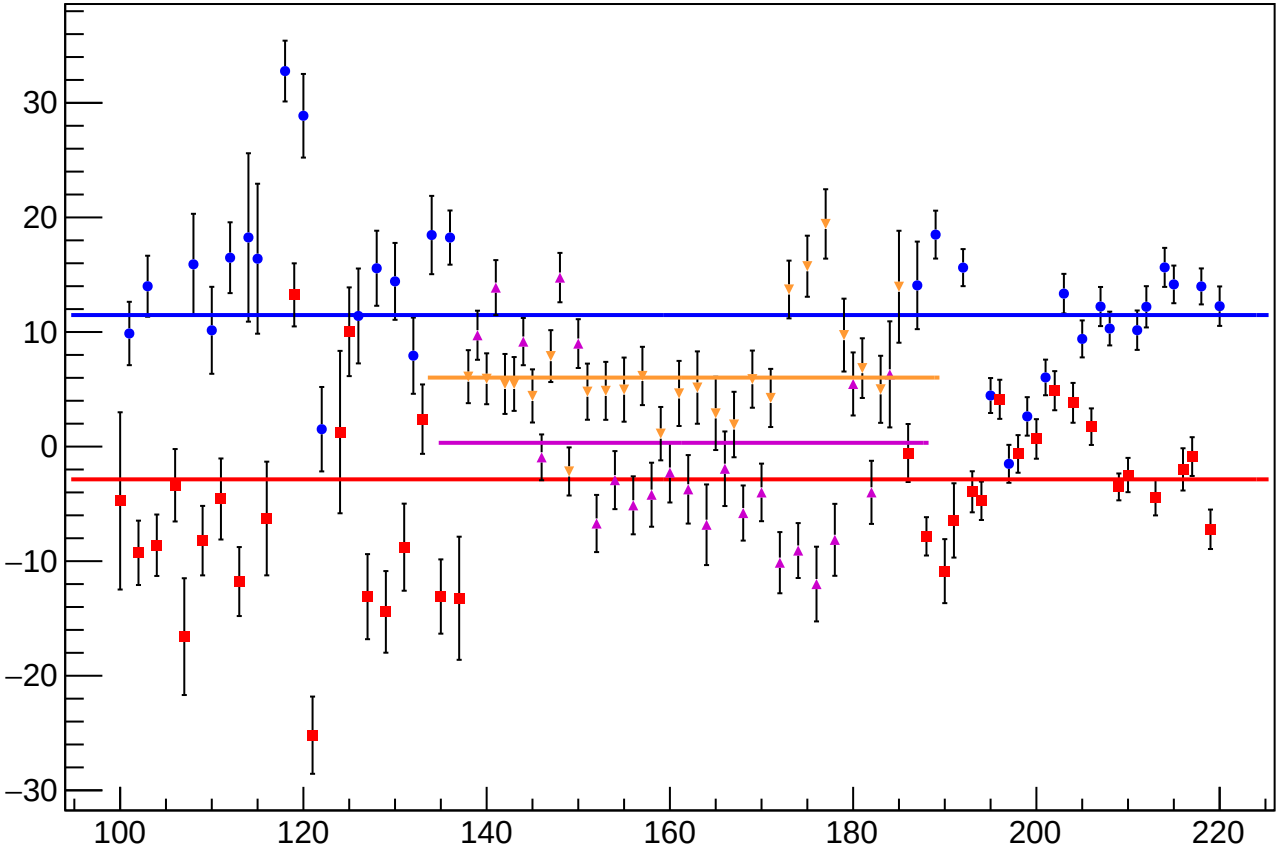
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 1947.685+/-0.222 χ^2/NDF: 3201256.7/57

All: 1928.726+/-0.156 χ^2/NDF: 6724155.2/11

- sign 1910.125+/-0.220 χ^2/NDF: 3508443.2/59

diff_bpm0i01Y_mean vs Slug



Right In: 11.480+/-0.370 χ^2/NDF: 273.4/32

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -2.859+/-0.362 χ^2/NDF: 253.0/36

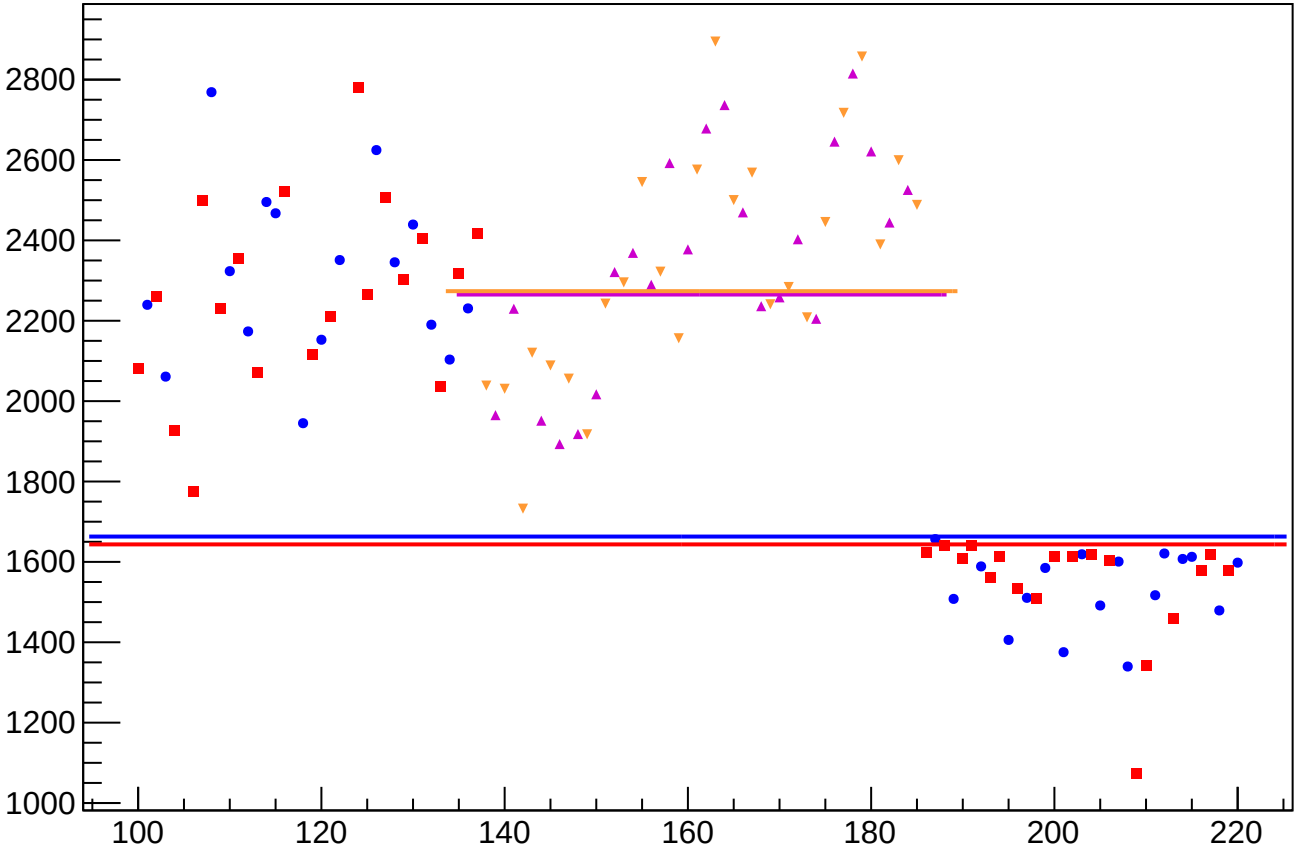
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 9.648+/-0.302 χ^2/NDF: 418.1/57

All: 3.862+/-0.213 χ^2/NDF: 1651.5/117

- sign -1.855+/-0.300 χ^2/NDF: 502.3/59

diff_bpm0i01Y_rms vs Slug



Right In: 1663.038+/-0.262 χ^2/NDF: 1391980.8/32

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1643.534+/-0.256 χ^2/NDF: 1698781.1/36

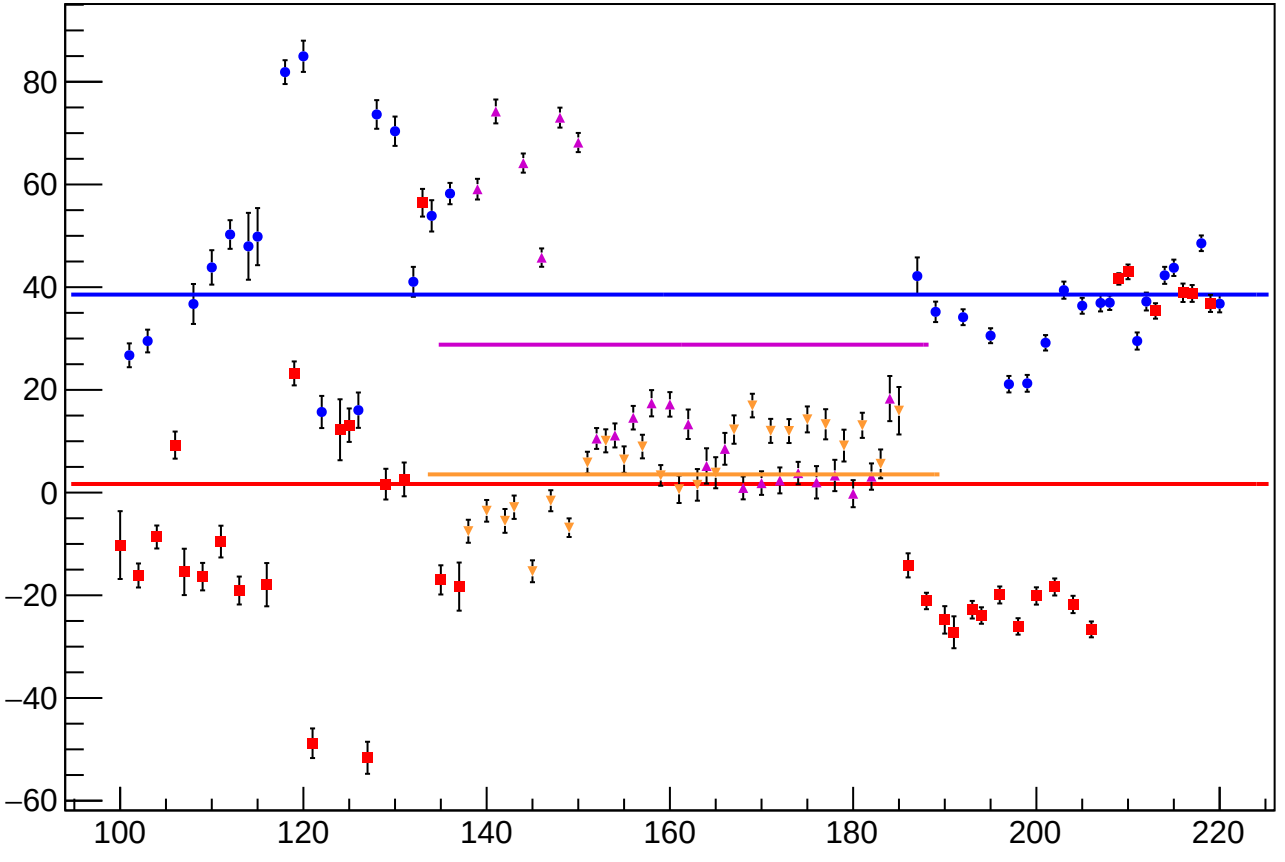
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 1867.989+/-0.213 χ^2/NDF: 3754854.5/57

All: 1853.534+/-0.150 χ^2/NDF: 7812199.2/11

- sign 1839.253+/-0.212 χ^2/NDF: 4048221.1/59

diff_bpm0i01aX_mean vs Slug



Right In: 38.559+/-0.349 χ^2/NDF: 1549.0/32

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: 1.675+/-0.340 χ^2/NDF: 7635.8/36

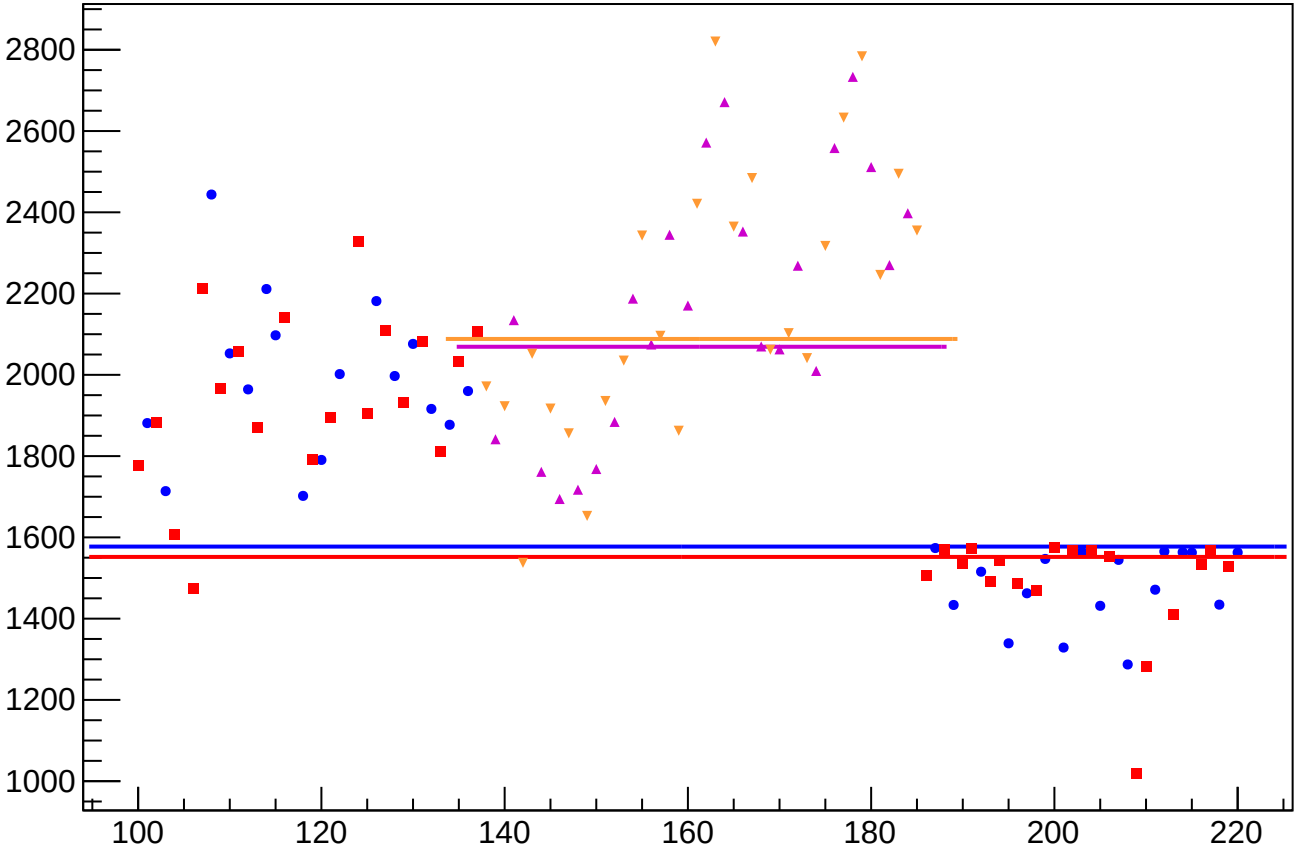
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

\+ sign 26.461+/-0.282 χ^2/NDF: 5347.7/57

All: 18.390+/-0.199 χ^2/NDF: 19928.9/117

\- sign 10.475+/-0.280 χ^2/NDF: 12962.1/59

diff_bpm0i01aX_rms vs Slug



Right In: 1577.337+/-0.247 χ^2/NDF: 852053.9/32

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1551.893+/-0.240 χ^2/NDF: 1176827.7/36

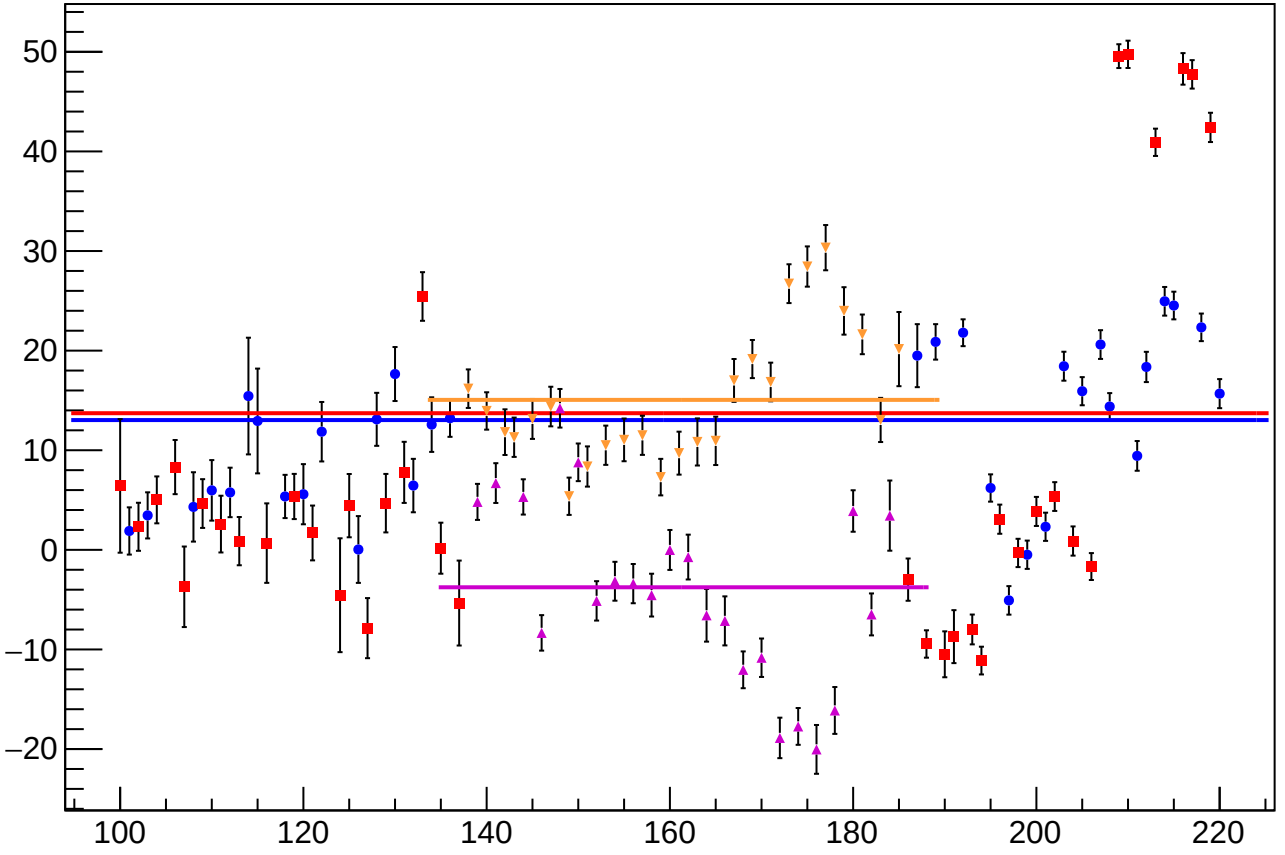
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1753.889+/-0.200 χ^2/NDF: 3121438.3/57

All: 1736.607+/-0.140 χ^2/NDF: 6524956.3/11

- sign 1719.659+/-0.198 χ^2/NDF: 3388671.7/59

diff_bpm0i01aY_mean vs Slug



Right In: 13.029+/-0.316 χ^2/NDF: 751.2/32

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: 13.718+/-0.311 χ^2/NDF: 5213.1/36

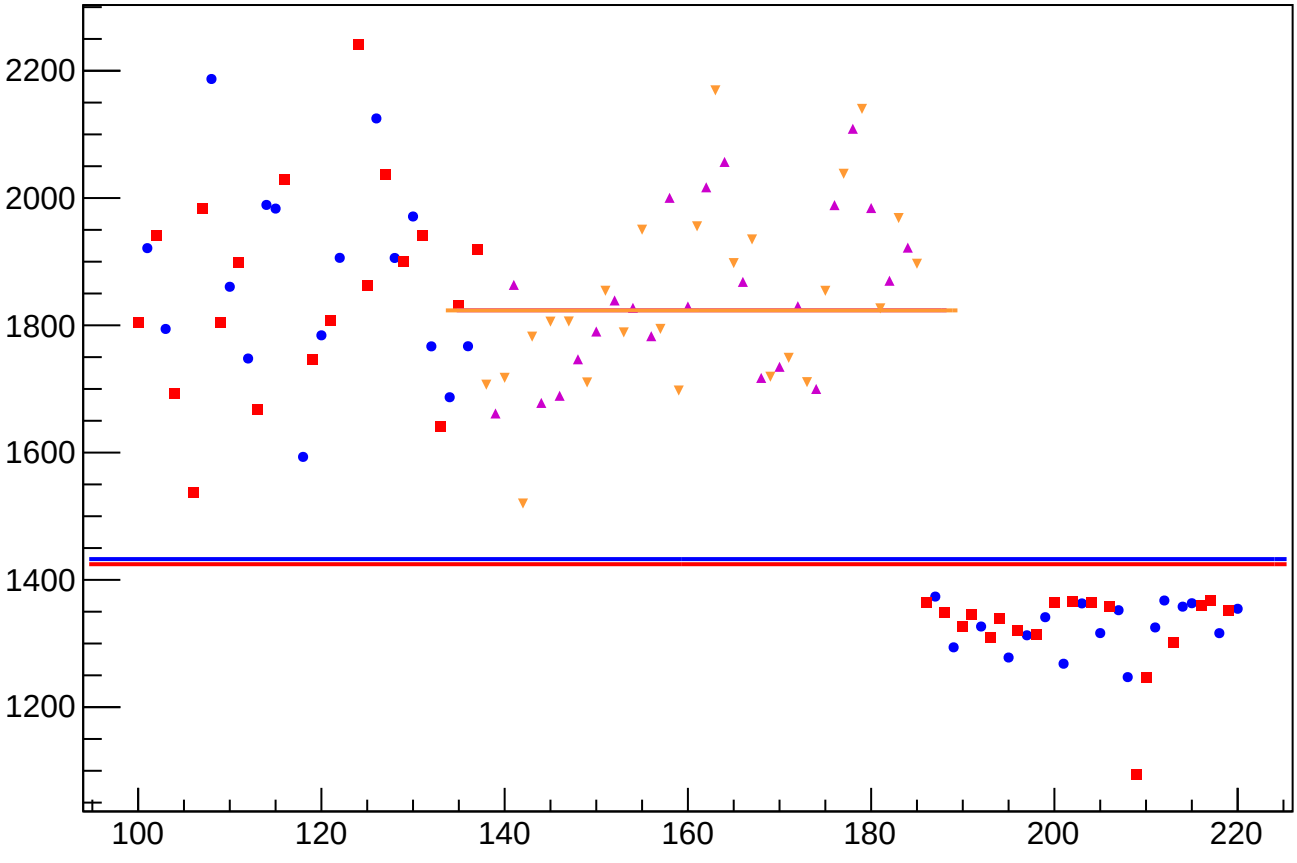
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

+ sign 13.772+/-0.252 χ^2/NDF: 1012.5/57

All: 10.723+/-0.178 χ^2/NDF: 8069.9/117

- sign 7.676+/-0.252 χ^2/NDF: 6764.0/59

diff_bpm0i01aY_rms vs Slug



Right In: 1432.661+/-0.224 χ^2/NDF: 973479.3/32

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1424.610+/-0.220 χ^2/NDF: 1061489.4/36

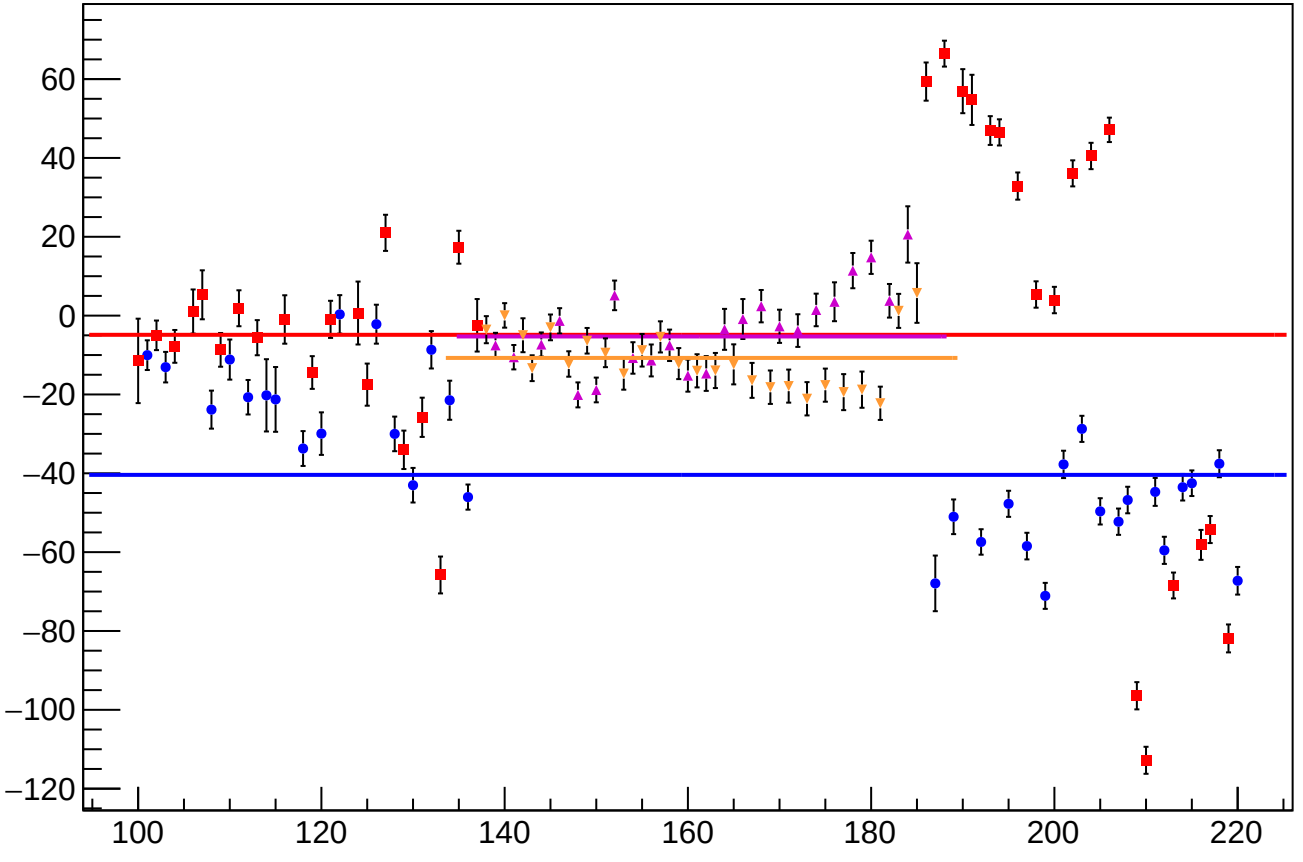
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1575.926+/-0.178 χ^2/NDF: 2304347.4/57

All: 1569.239+/-0.126 χ^2/NDF: 4670718.3/11

- sign 1562.559+/-0.178 χ^2/NDF: 2363548.5/59

diff_bpm0l01X_mean vs Slug



Right In: -40.399+/-0.682 χ^2/NDF: 693.3/32

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

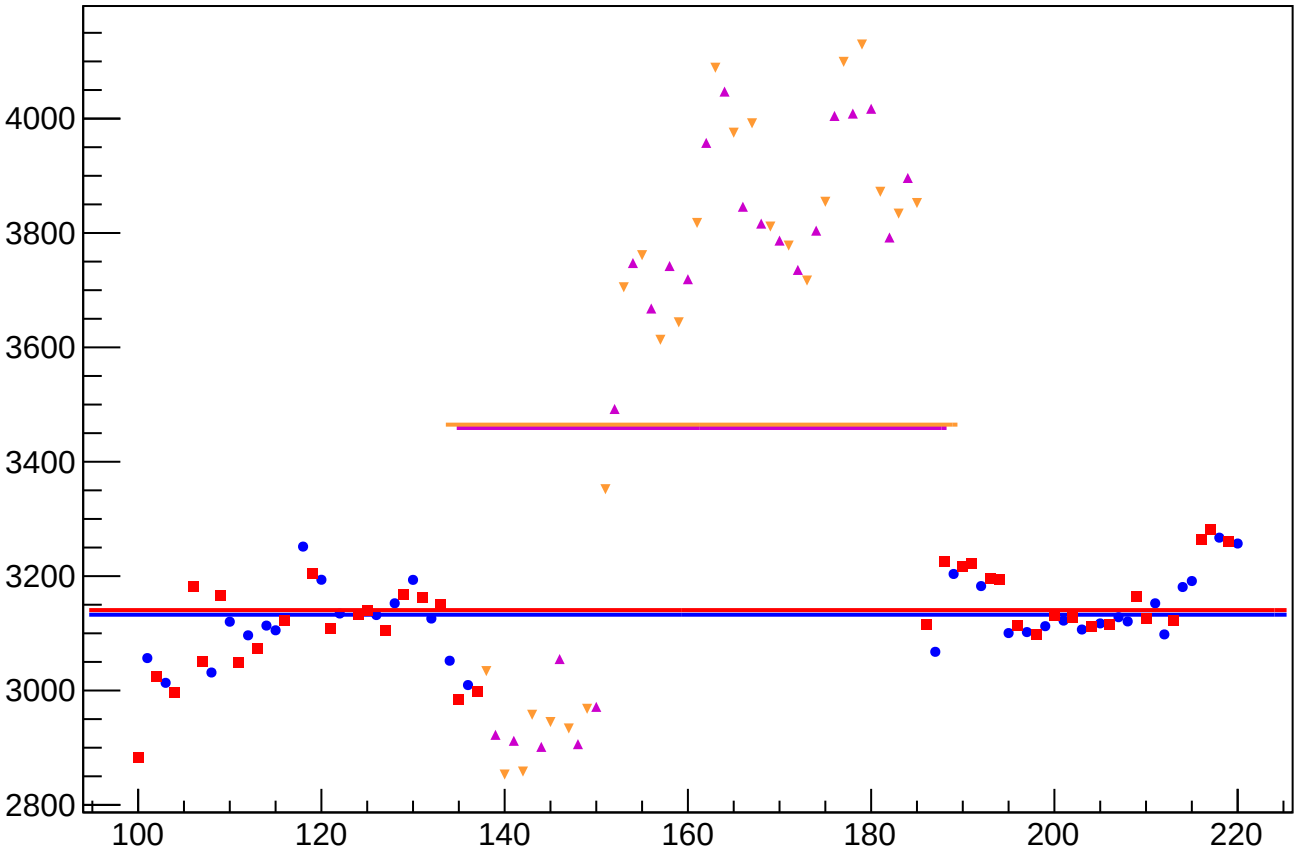
Right Out: -4.868+/-0.676 χ^2/NDF: 5304.0/36

Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -27.793+/-0.517 χ^2/NDF: 1570.3/57

All: -16.478+/-0.367 χ^2/NDF: 7969.4/117

- sign -5.041+/-0.520 χ^2/NDF: 5437.7/59



Right In: 3132.553+/-0.483 χ^2/NDF: 18149.9/32

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3140.627+/-0.478 χ^2/NDF: 23726.9/36

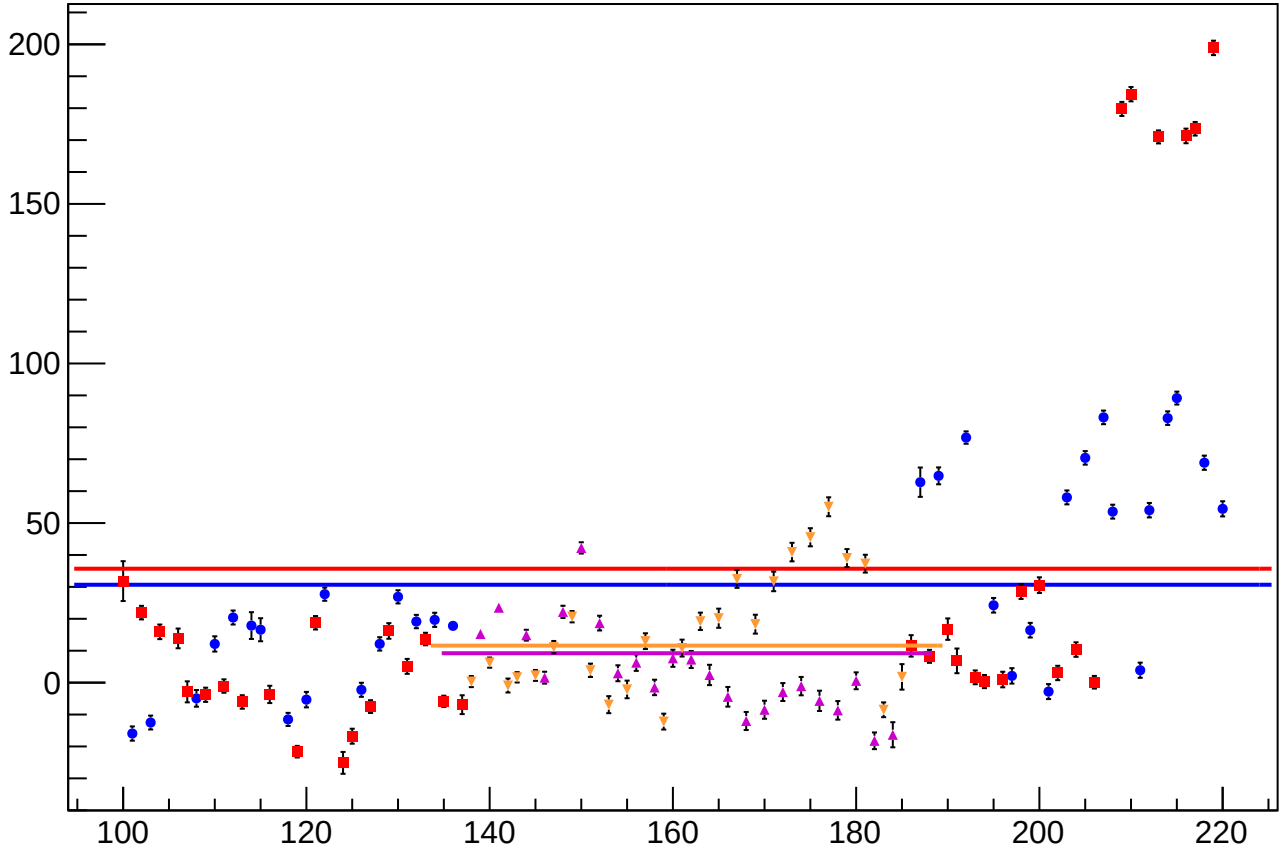
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

\+ sign 3273.781+/-0.366 χ^2/NDF: 863781.9/57

All: 3272.202+/-0.259 χ^2/NDF: 1651839.9/11

\- sign 3270.605+/-0.368 χ^2/NDF: 788020.5/59

diff_bpm0l01Y_mean vs Slug



Right In: 30.669+/-0.387 χ^2/NDF: 6673.0/32

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 35.697+/-0.382 χ^2/NDF: 32606.1/36

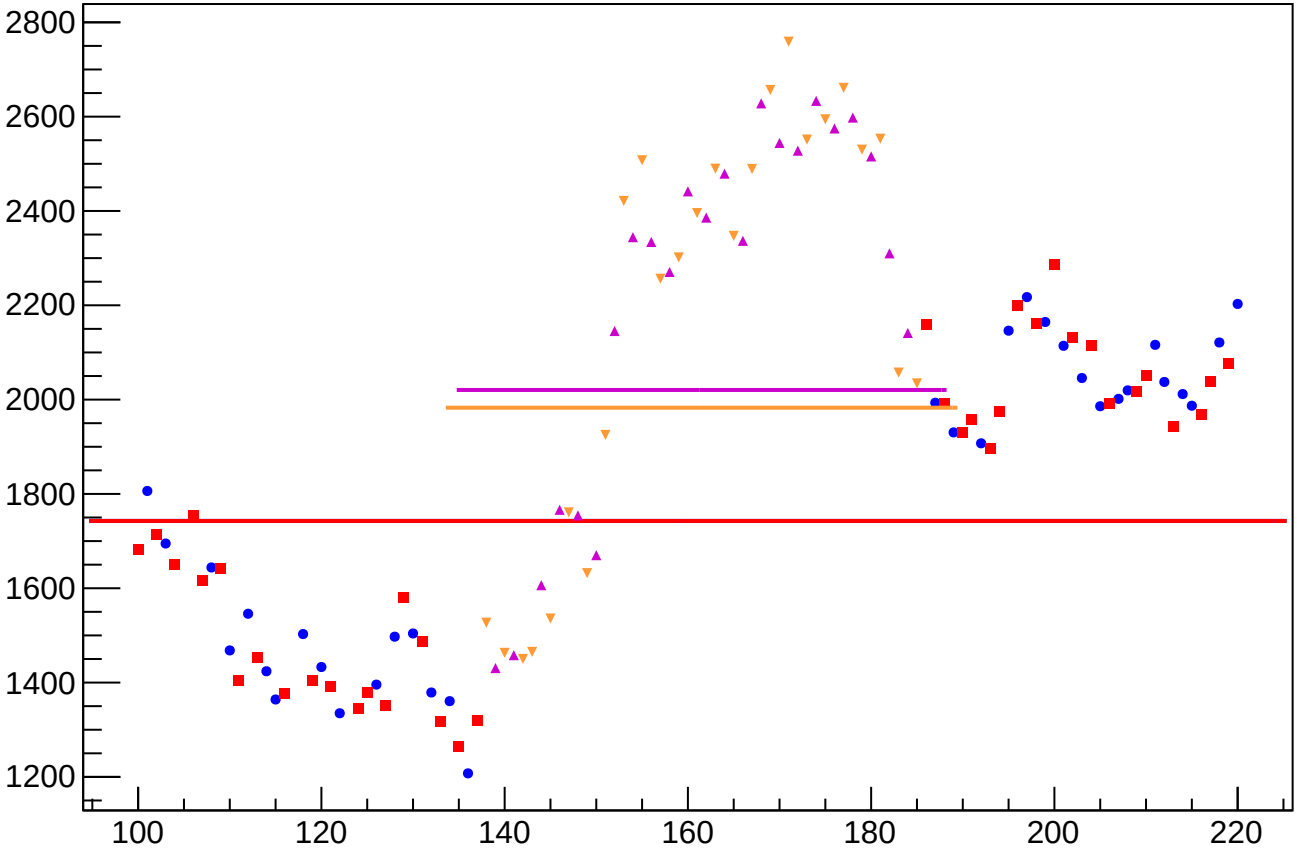
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 22.832+/-0.297 χ^2/NDF: 8867.4/57

All: 24.166+/-0.211 χ^2/NDF: 44300.3/117

- sign 25.524+/-0.300 χ^2/NDF: 35392.3/59

diff_bpm0l01Y_rms vs Slug



Right In: 1742.808+/-0.274 χ^2/NDF: 1478133.0/32

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1742.706+/-0.270 χ^2/NDF: 1401160.8/36

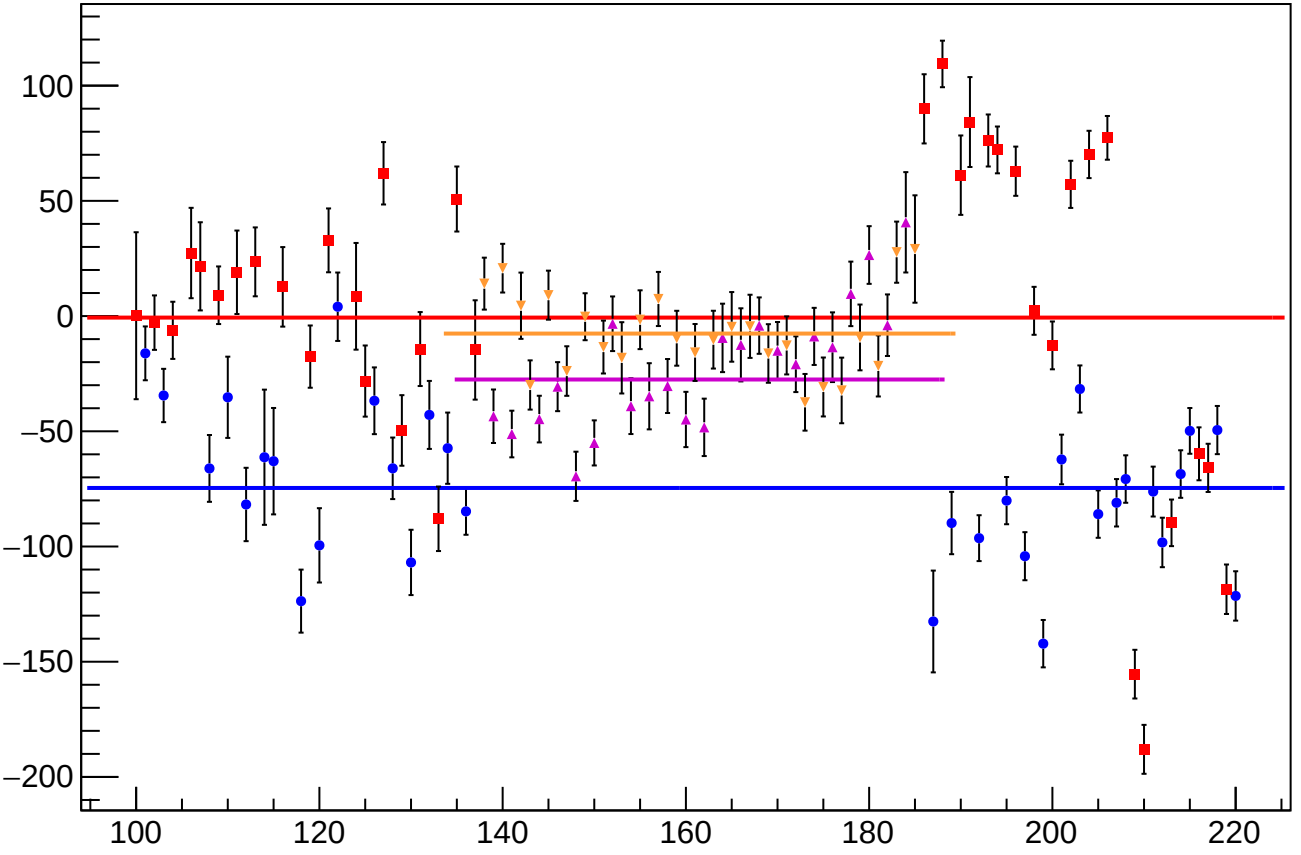
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1841.466+/-0.210 χ^2/NDF: 3771941.8/57

All: 1845.392+/-0.149 χ^2/NDF: 7194513.1/11

- sign 1849.392+/-0.212 χ^2/NDF: 3421866.0/59

diff_bpm0l02X_mean vs Slug



Right In: -74.594+/-2.112 χ^2/NDF: 227.2/32

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: -0.660+/-2.095 χ^2/NDF: 1362.3/36

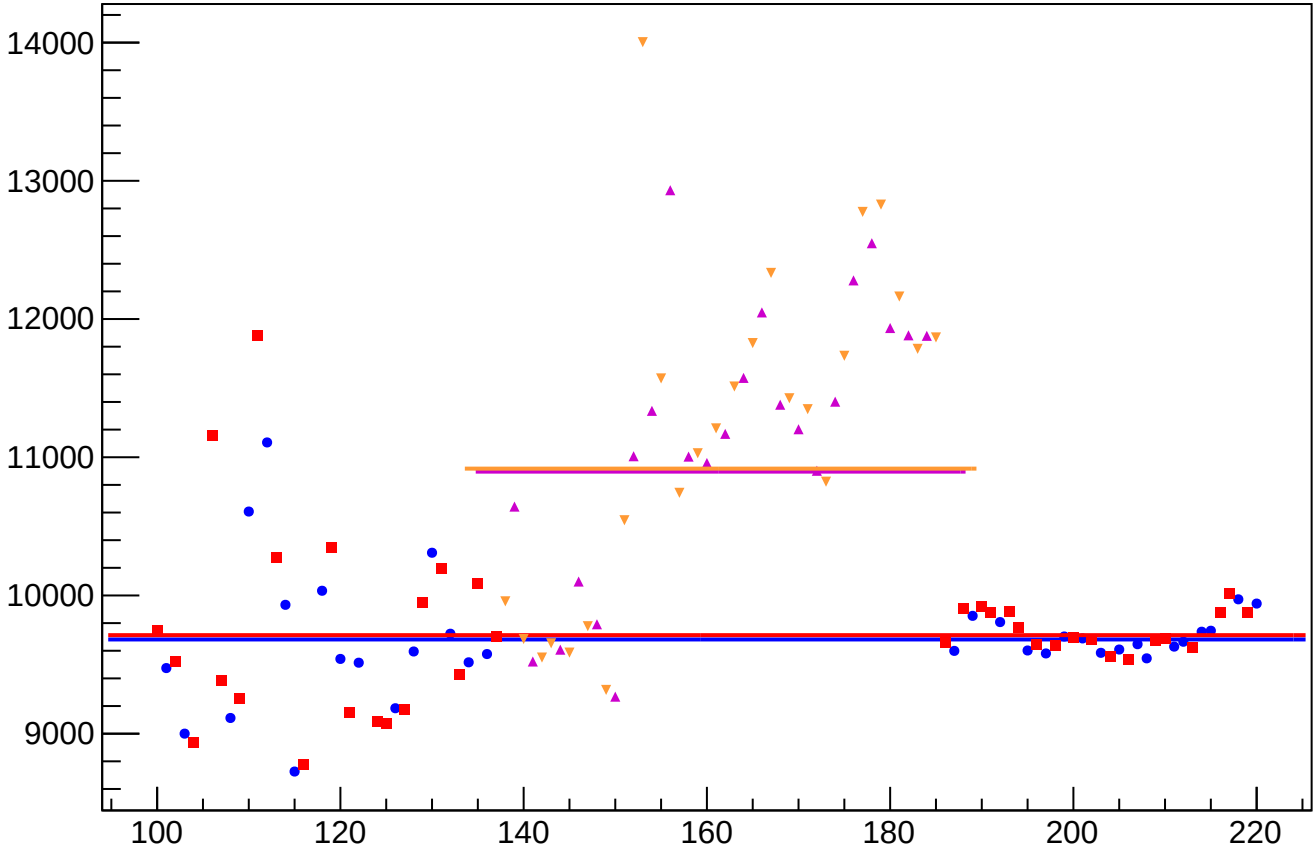
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -46.630+/-1.612 χ^2/NDF: 695.3/57

All: -29.132+/-1.143 χ^2/NDF: 2453.6/117

- sign -11.453+/-1.620 χ^2/NDF: 1521.4/59

diff_bpm0l02X_rms vs Slug



Right In: 9681.713+/-1.493 χ^2/NDF: 48863.2/32

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9712.849+/-1.481 χ^2/NDF: 85933.7/36

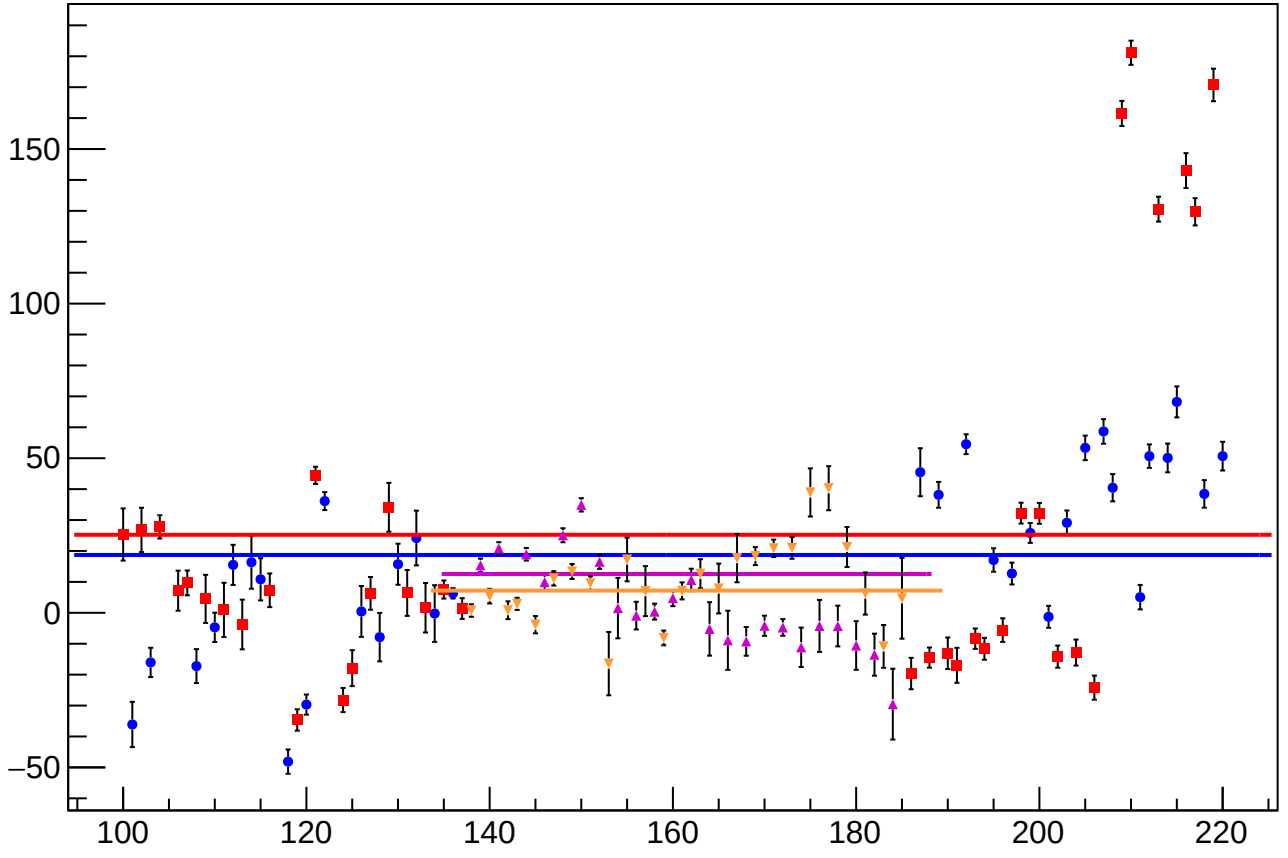
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

+ sign 10197.585+/-1.140 χ^2/NDF: 760661.1/57

All: 10192.874+/-0.808 χ^2/NDF: 1400984.4/1

- sign 10188.115+/-1.146 χ^2/NDF: 640289.0/59

diff_bpm0l02Y_mean vs Slug



Right In: 18.708+/-0.712 χ^2/NDF: 1501.3/32

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 25.232+/-0.708 χ^2/NDF: 6923.1/36

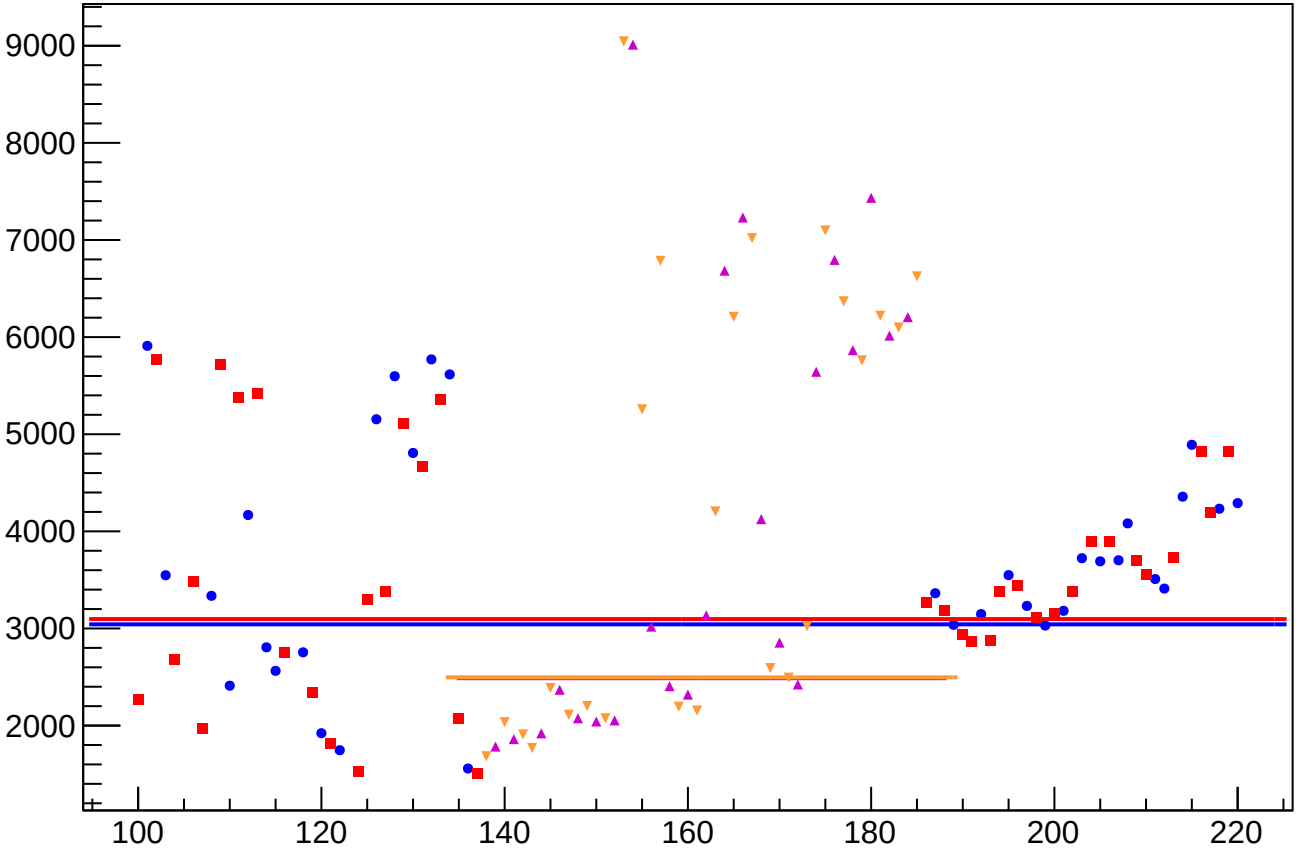
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

+ sign 12.451+/-0.482 χ^2/NDF: 1845.1/57

All: 15.443+/-0.341 χ^2/NDF: 9389.1/117

- sign 18.452+/-0.483 χ^2/NDF: 7466.6/59

diff_bpm0l02Y_rms vs Slug



Right In: 3042.528+/-0.504 χ^2/NDF: 4599775.7/32

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

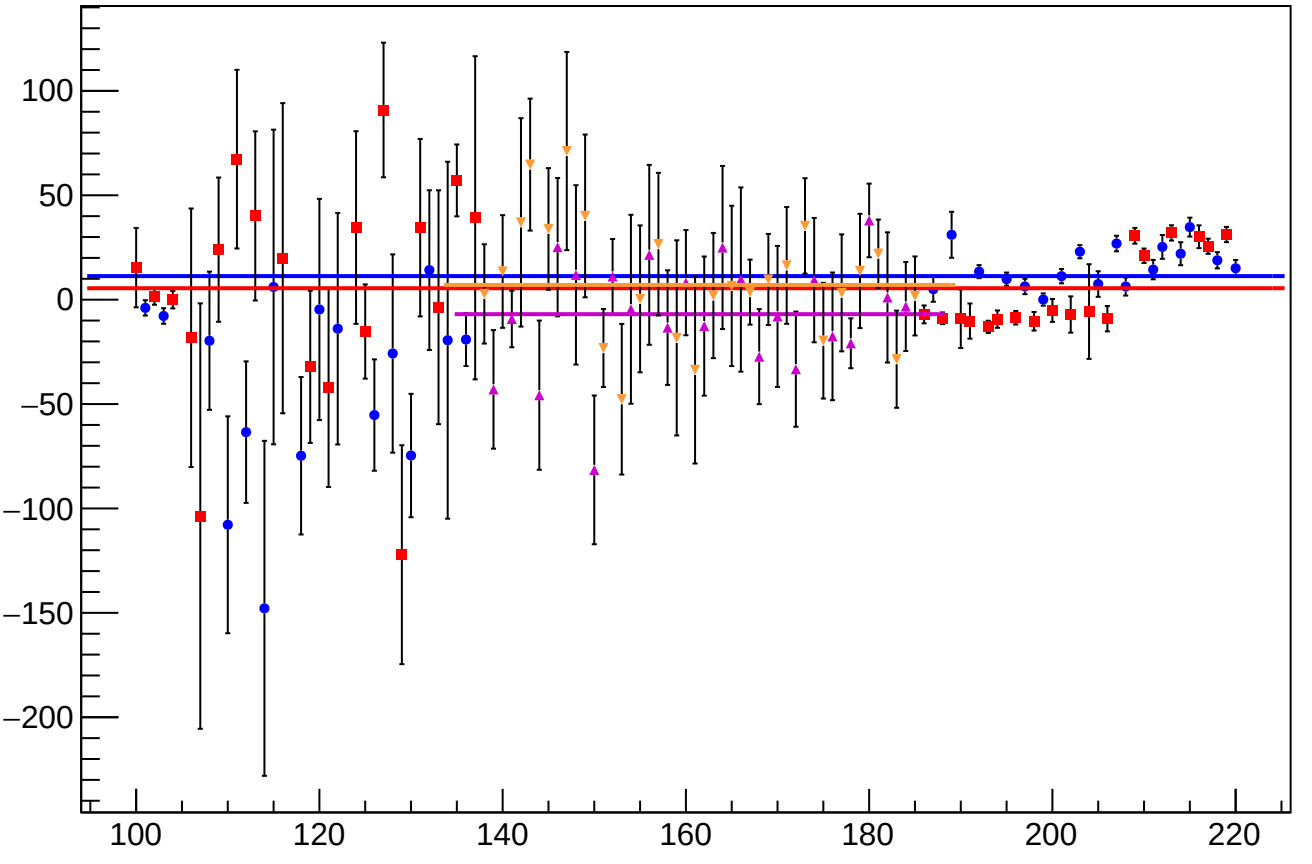
Right Out: 3096.775+/-0.501 χ^2/NDF: 3809623.0/36

Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2746.194+/-0.341 χ^2/NDF: 12442741.7/57

All: 2758.604+/-0.241 χ^2/NDF: 23149618.1/1

- sign 2771.084+/-0.342 χ^2/NDF: 10704213.7/59



Right In: 11.287+/-0.908 χ^2/NDF: 181.0/32

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: 5.483+/-0.931 χ^2/NDF: 387.0/36

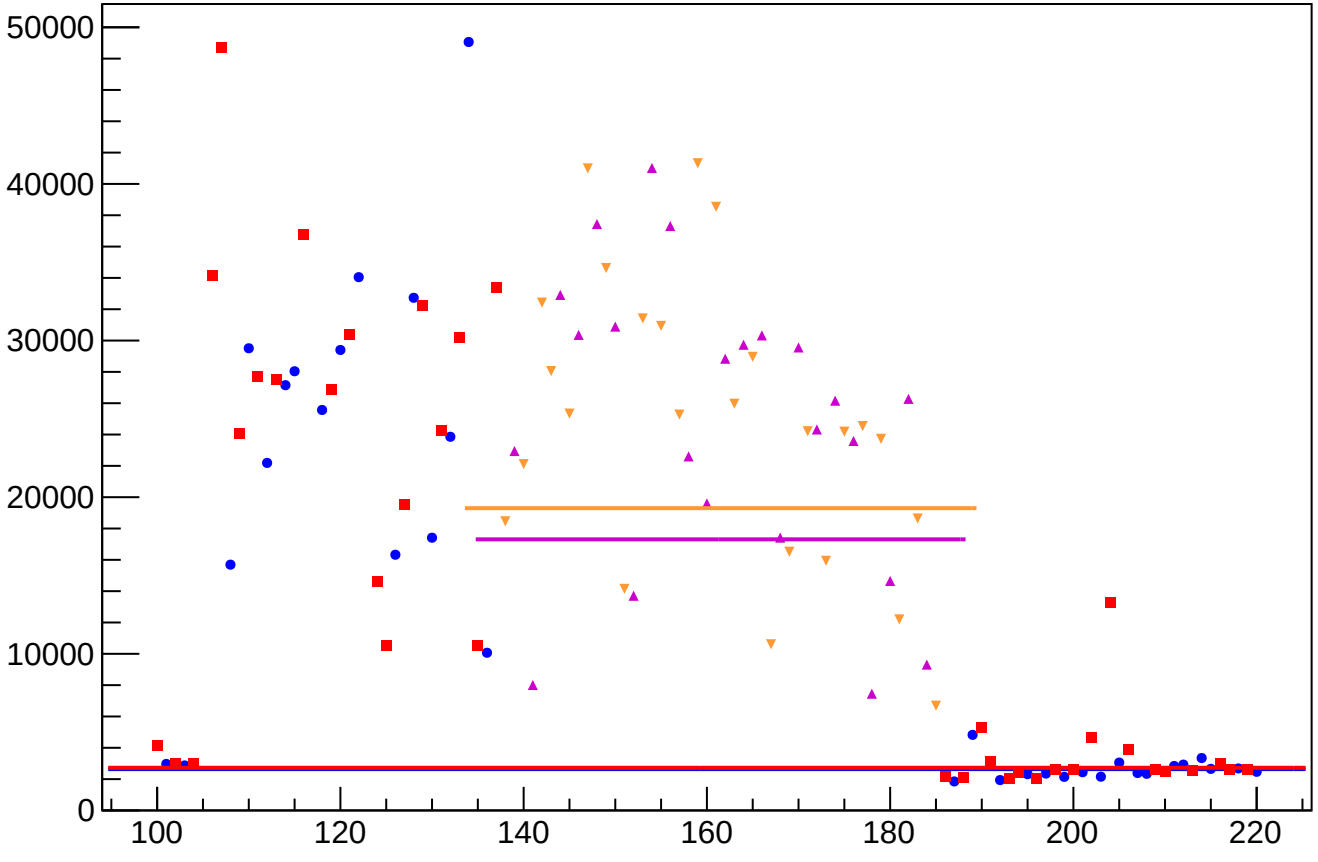
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 11.164+/-0.894 χ^2/NDF: 201.3/57

All: 8.194+/-0.640 χ^2/NDF: 637.7/117

- sign 5.081+/-0.916 χ^2/NDF: 413.8/59

diff_bpm0l03X_rms vs Slug



Right In: 2640.322+/-0.642 χ^2/NDF: 7992747.7/32

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

Right Out: 2725.761+/-0.658 χ^2/NDF: 9434622.7/36

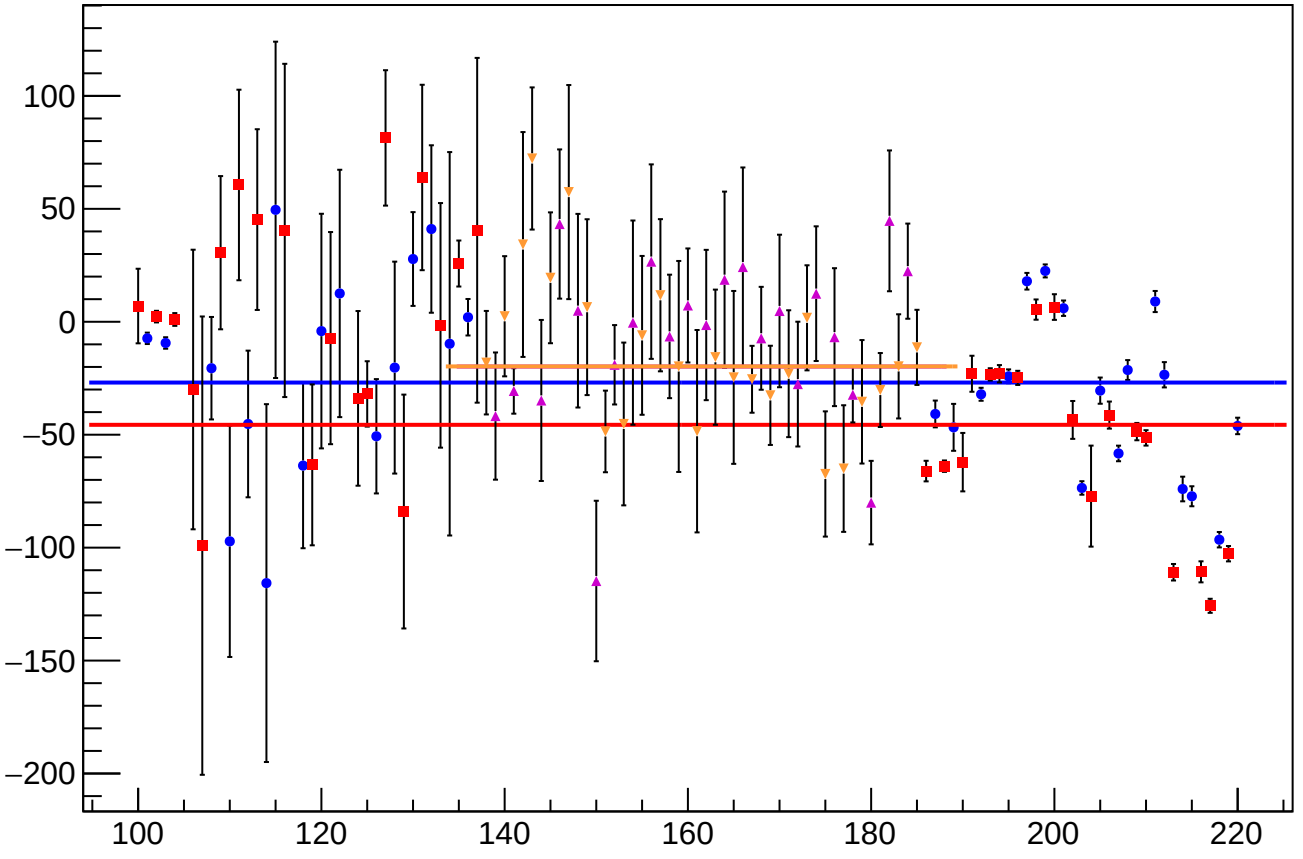
Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 3127.910+/-0.632 χ^2/NDF: 32746786.1/57

All: 3161.954+/-0.452 χ^2/NDF: 64790568.0/1

- sign 3197.644+/-0.647 χ^2/NDF: 32037845.6/59

diff_bpm0l03Y_mean vs Slug



Right In: -26.909+/-0.821 χ^2/NDF: 1721.3/32

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

Right Out: -45.624+/-0.839 χ^2/NDF: 2631.6/36

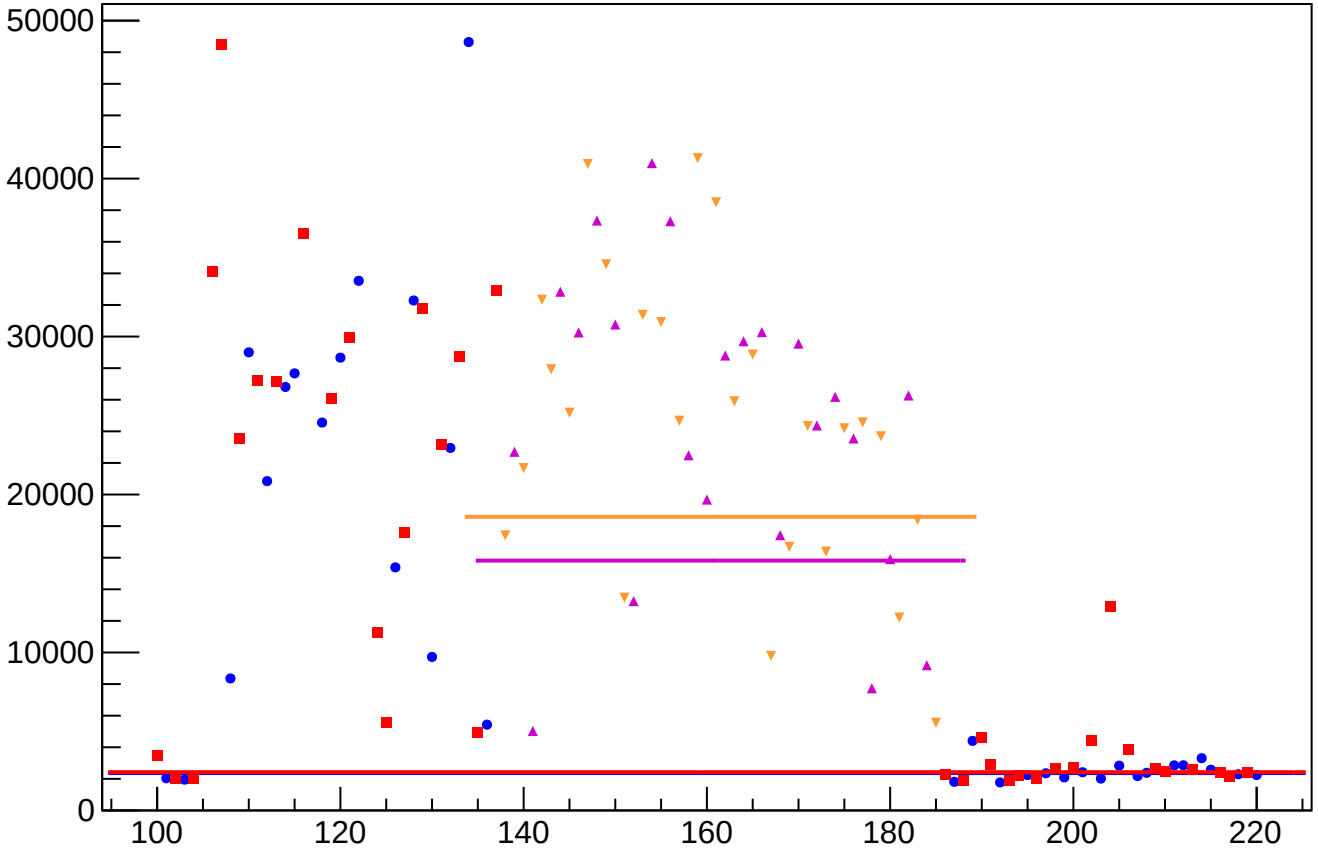
Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -26.730+/-0.811 χ^2/NDF: 1751.0/57

All: -35.629+/-0.579 χ^2/NDF: 4696.1/117

- sign -44.874+/-0.826 χ^2/NDF: 2699.4/59

diff_bpm0l03Y_rms vs Slug



Right In: 2367.431+/-0.581 χ^2/NDF: 7178387.6/32

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2421.608+/-0.593 χ^2/NDF: 9032913.3/36

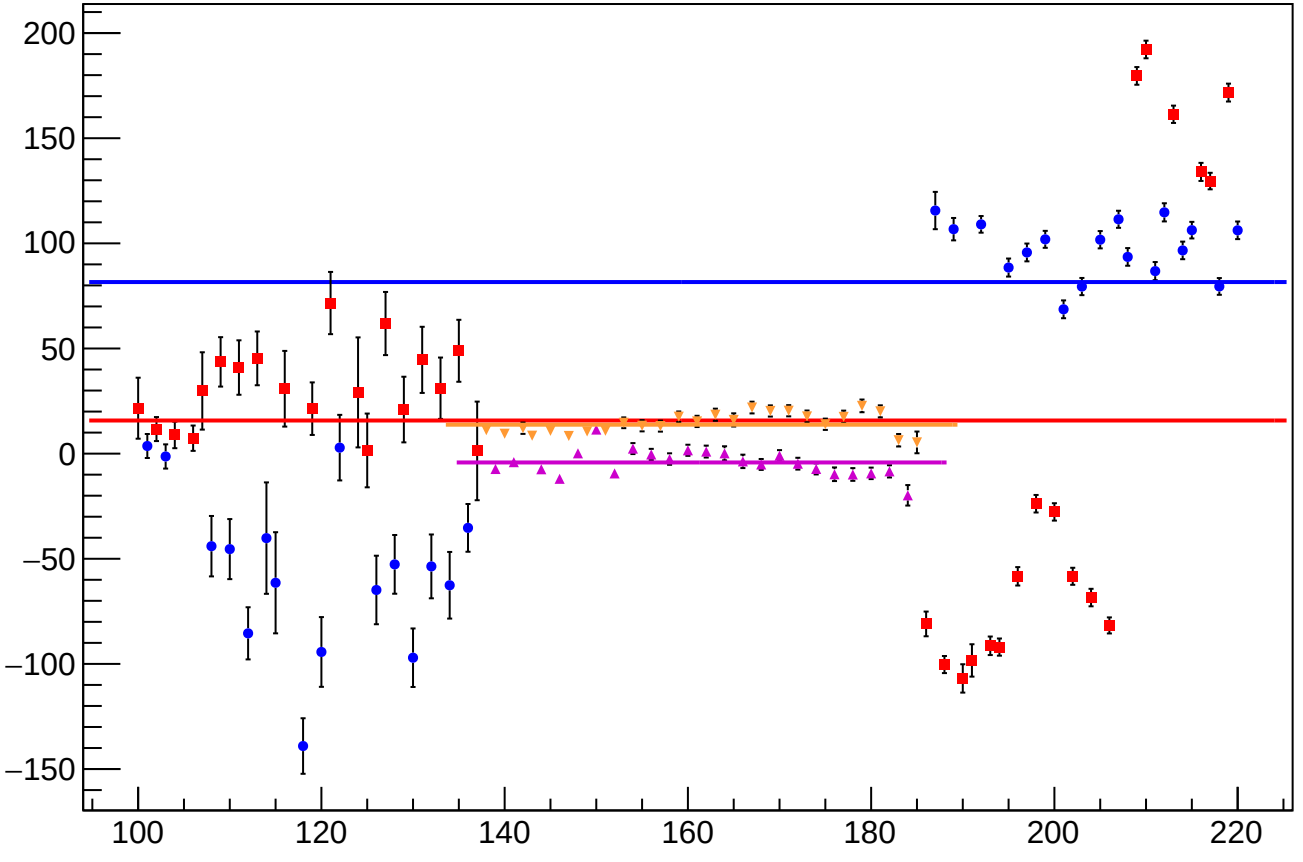
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 2774.631+/-0.573 χ^2/NDF: 32474518.1/57

All: 2792.537+/-0.409 χ^2/NDF: 64757702.2/1

- sign 2811.140+/-0.584 χ^2/NDF: 32281194.6/59

diff_bpm0l04X_mean vs Slug



Right In: 81.596+/-0.977 χ^2/NDF: 2177.6/32

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: 15.754+/-0.956 χ^2/NDF: 12346.5/36

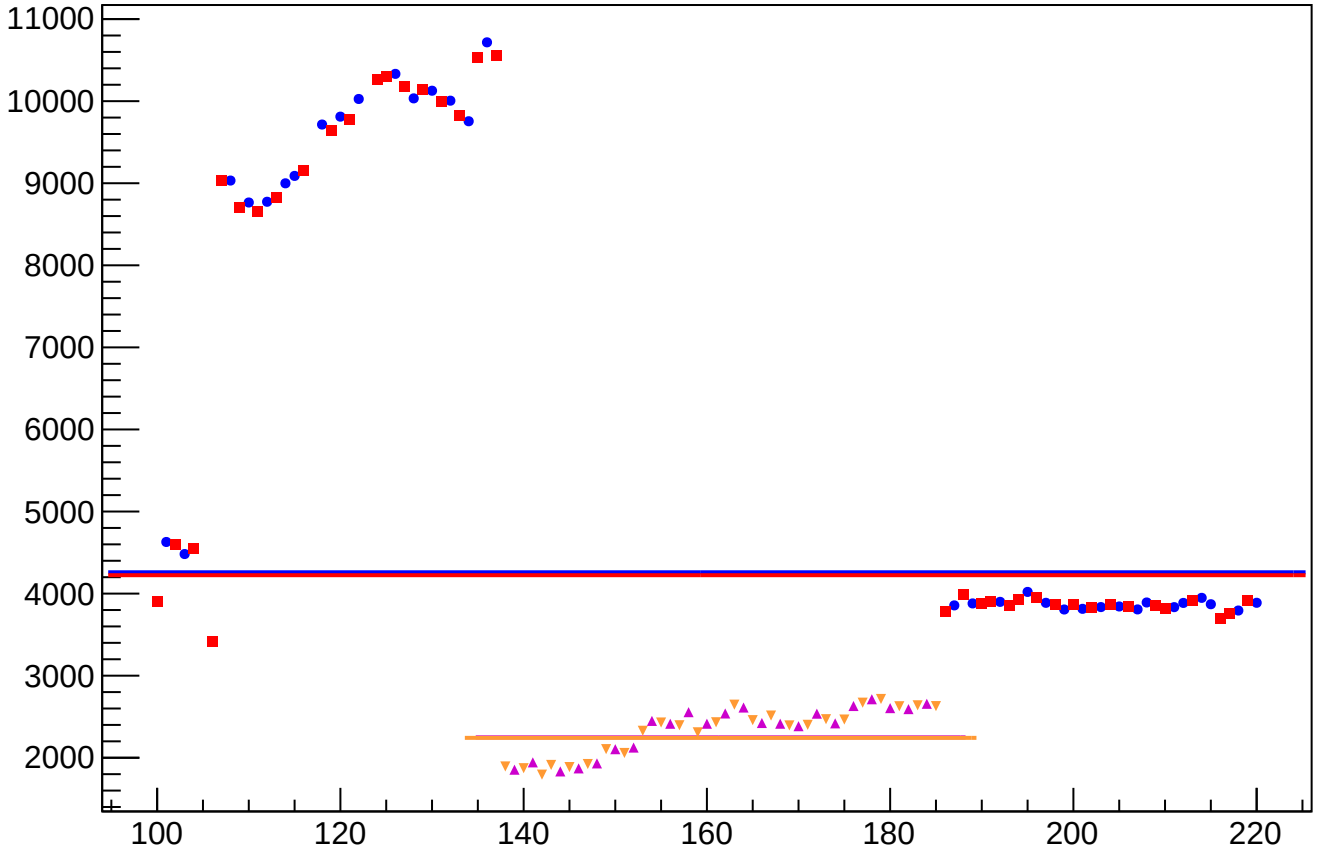
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

\+ sign 28.473+/-0.455 χ^2/NDF: 6032.3/57

All: 14.747+/-0.325 χ^2/NDF: 20692.5/117

\- sign 0.493+/-0.464 χ^2/NDF: 12803.9/59

diff_bpm0l04X_rms vs Slug



Right In: 4259.760+/-0.691 χ^2/NDF: 4118860.9/32

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4224.234+/-0.676 χ^2/NDF: 4060997.0/36

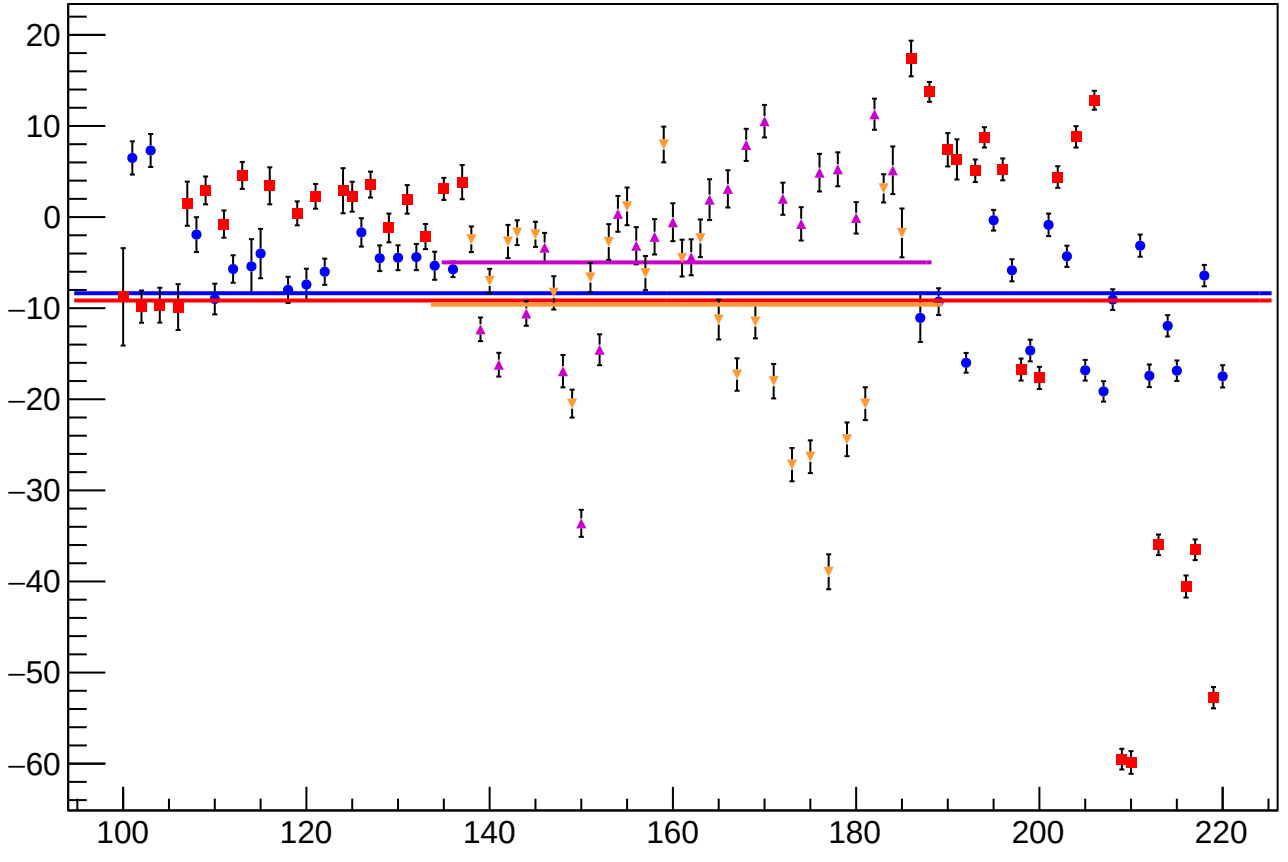
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2679.883+/-0.322 χ^2/NDF: 11458938.3/57

All: 2696.357+/-0.230 χ^2/NDF: 22705204.9/1

- sign 2713.464+/-0.328 χ^2/NDF: 11240919.3/59

diff_bpm0l04Y_mean vs Slug



Right In: -8.358+/-0.232 χ^2/NDF: 744.0/32

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

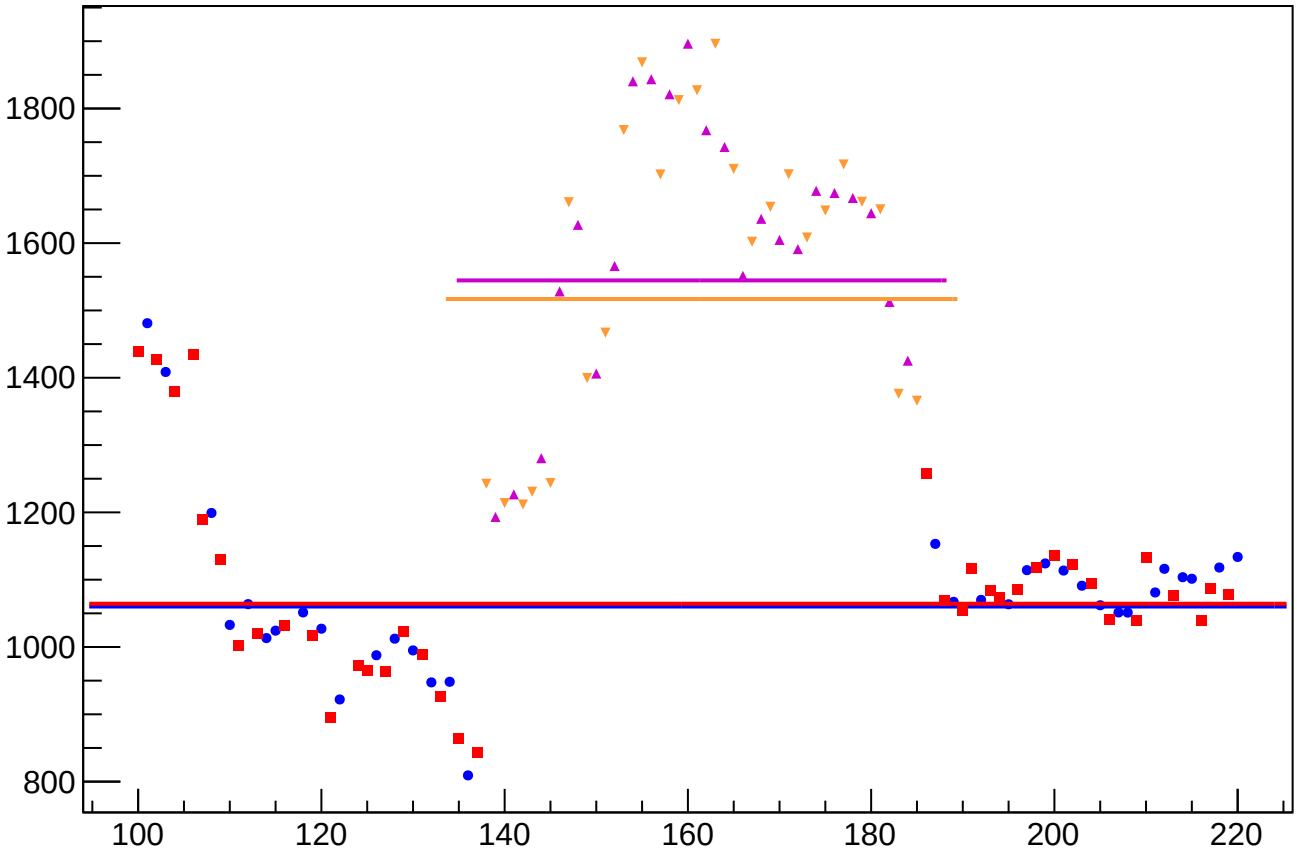
Right Out: -9.157+/-0.230 χ^2/NDF: 9789.5/36

Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -8.746+/-0.193 χ^2/NDF: 1687.3/57

All: -8.358+/-0.137 χ^2/NDF: 12508.8/117

- sign -7.964+/-0.195 χ^2/NDF: 10813.3/59



Right In: 1060.149+/-0.164 χ^2/NDF: 456488.0/32

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1064.280+/-0.163 χ^2/NDF: 416255.2/36

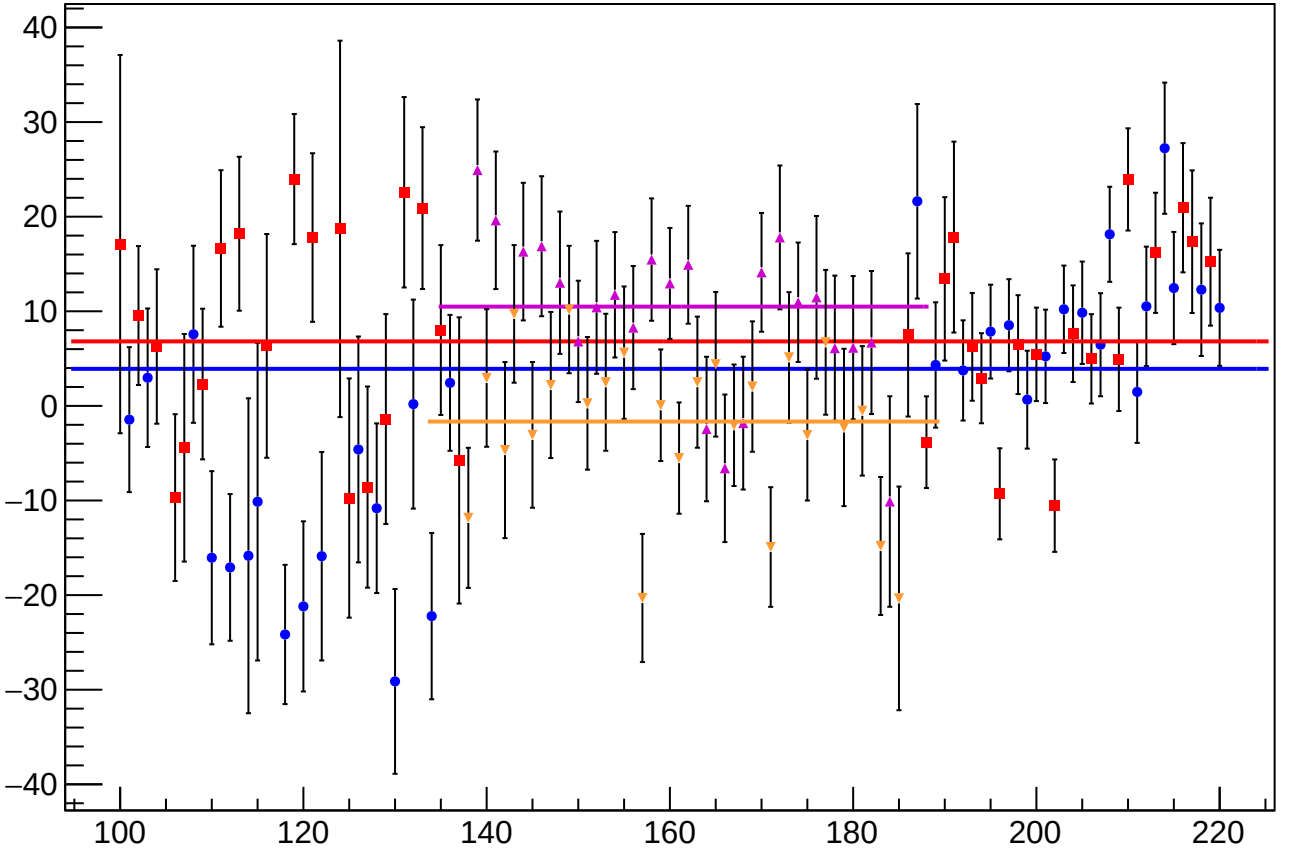
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1200.322+/-0.137 χ^2/NDF: 3663762.0/57

All: 1200.807+/-0.097 χ^2/NDF: 7199614.0/11

- sign 1201.300+/-0.138 χ^2/NDF: 3535826.6/59

diff_bpm0l05X_mean vs Slug



Right In: 3.917+/-1.169 χ^2/NDF: 97.5/32

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: 6.817+/-1.146 χ^2/NDF: 78.3/36

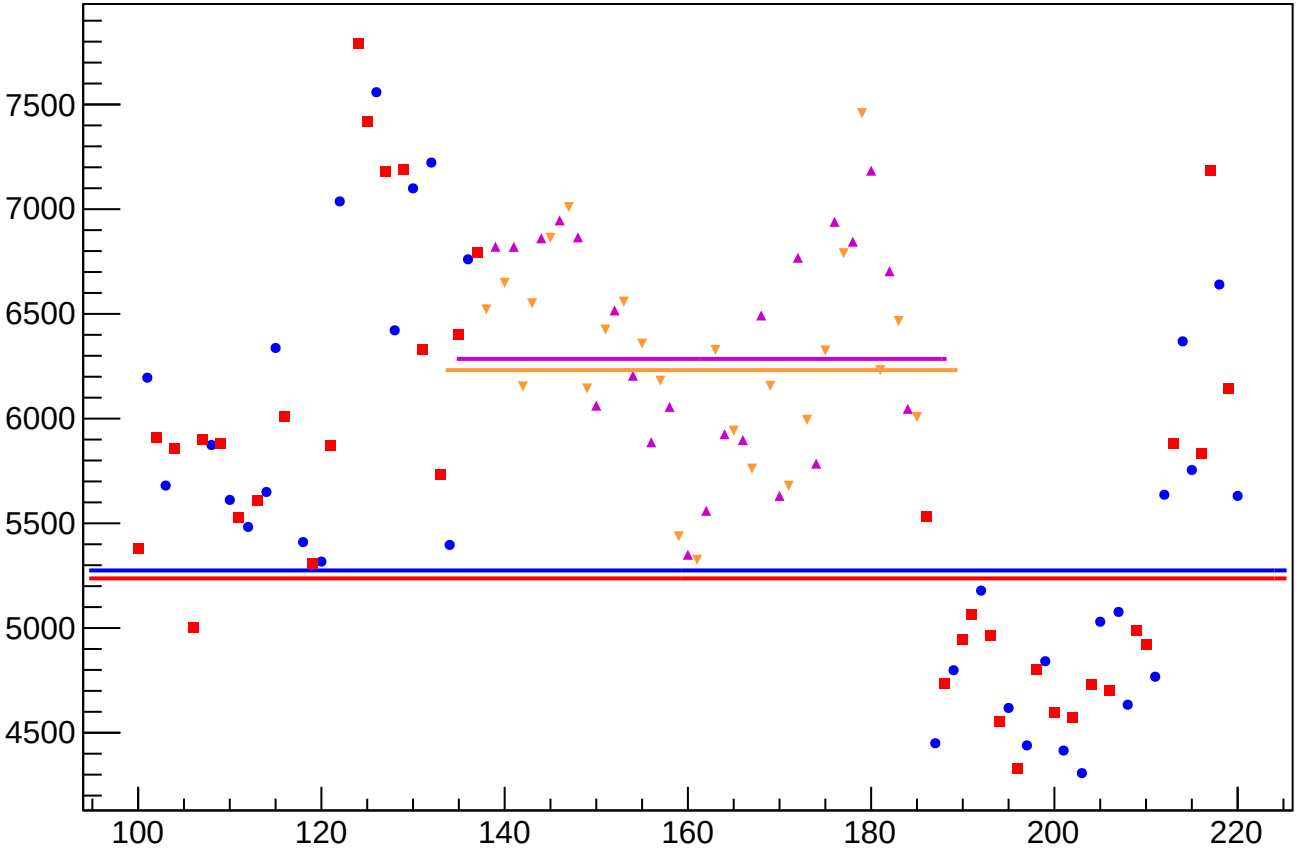
Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

+ sign 1.678+/-0.904 χ^2/NDF: 138.1/57

All: 4.930+/-0.640 χ^2/NDF: 271.2/117

- sign 8.195+/-0.906 χ^2/NDF: 107.1/59

diff_bpm0l05X_rms vs Slug



Right In: 5275.044+/-0.827 χ^2/NDF: 921344.8/32

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5236.915+/-0.810 χ^2/NDF: 871336.8/36

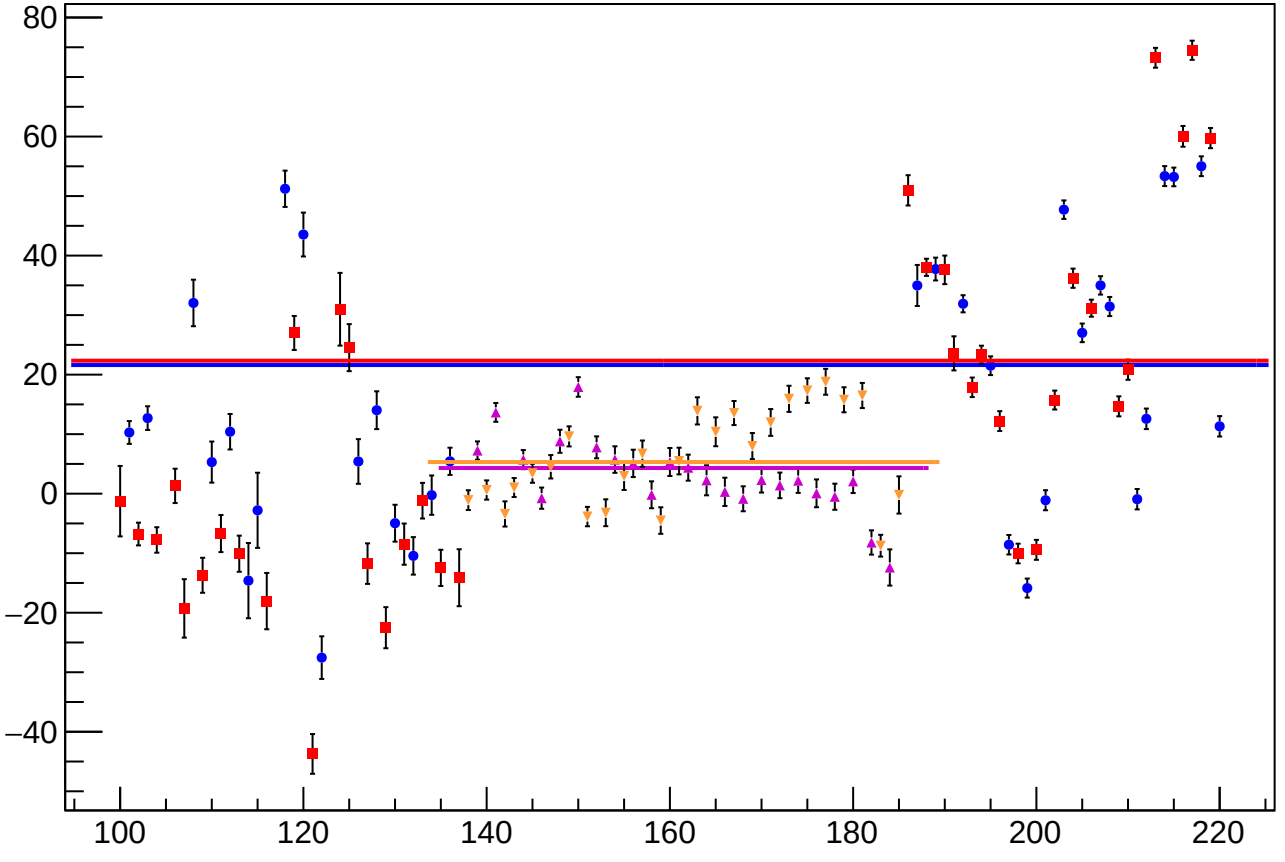
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5659.502+/-0.639 χ^2/NDF: 1686275.8/57

All: 5644.660+/-0.453 χ^2/NDF: 3451434.5/11

- sign 5629.763+/-0.641 χ^2/NDF: 1764079.0/59

diff_bpm0l05Y_mean vs Slug



Right In: 21.611+/-0.356 χ^2/NDF: 3778.5/32

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: 22.344+/-0.351 χ^2/NDF: 6149.6/36

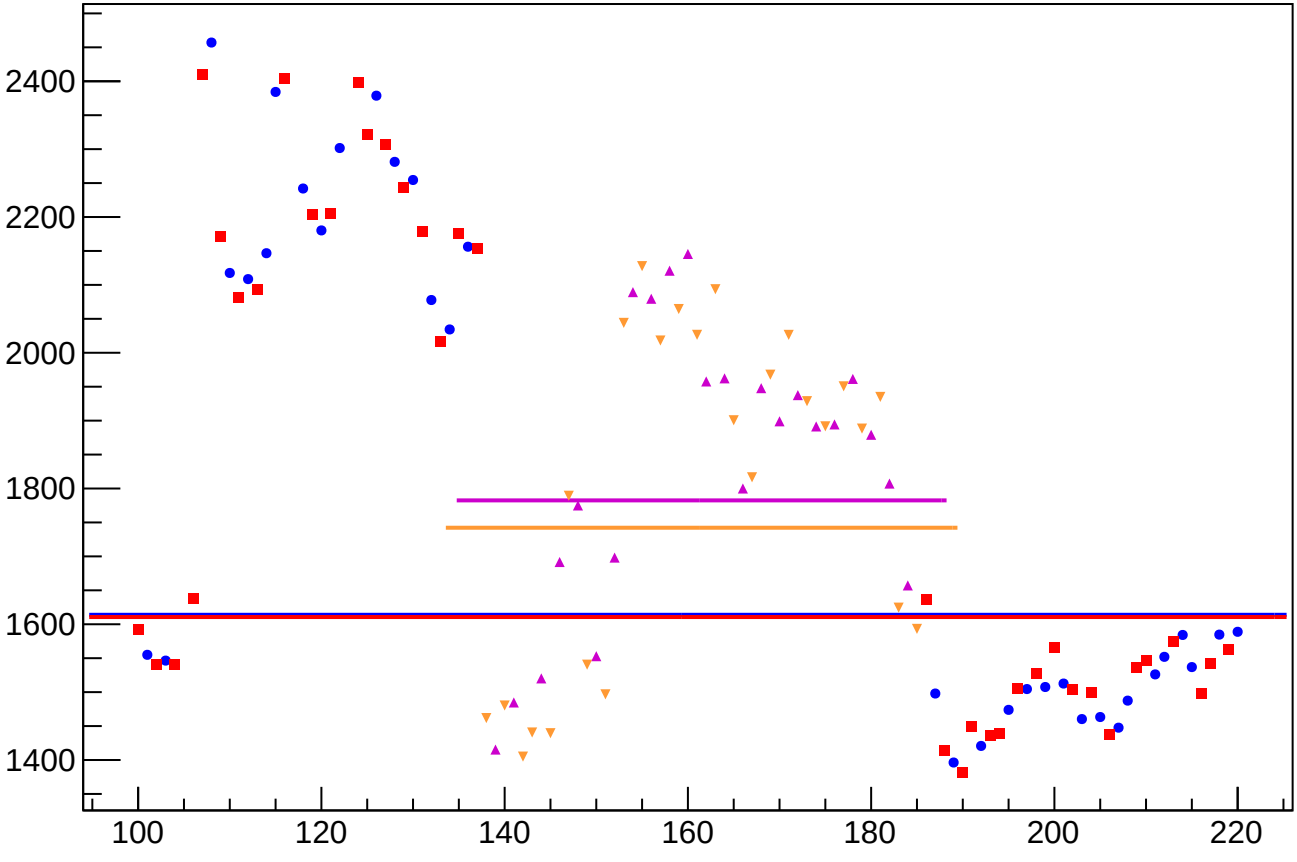
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 14.410+/-0.266 χ^2/NDF: 5081.7/57

All: 14.662+/-0.189 χ^2/NDF: 12537.8/117

- sign 14.920+/-0.270 χ^2/NDF: 7454.3/59

diff_bpm0l05Y_rms vs Slug



Right In: 1613.938+/-0.252 χ^2/NDF: 1082879.9/32

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1610.644+/-0.248 χ^2/NDF: 1061656.5/36

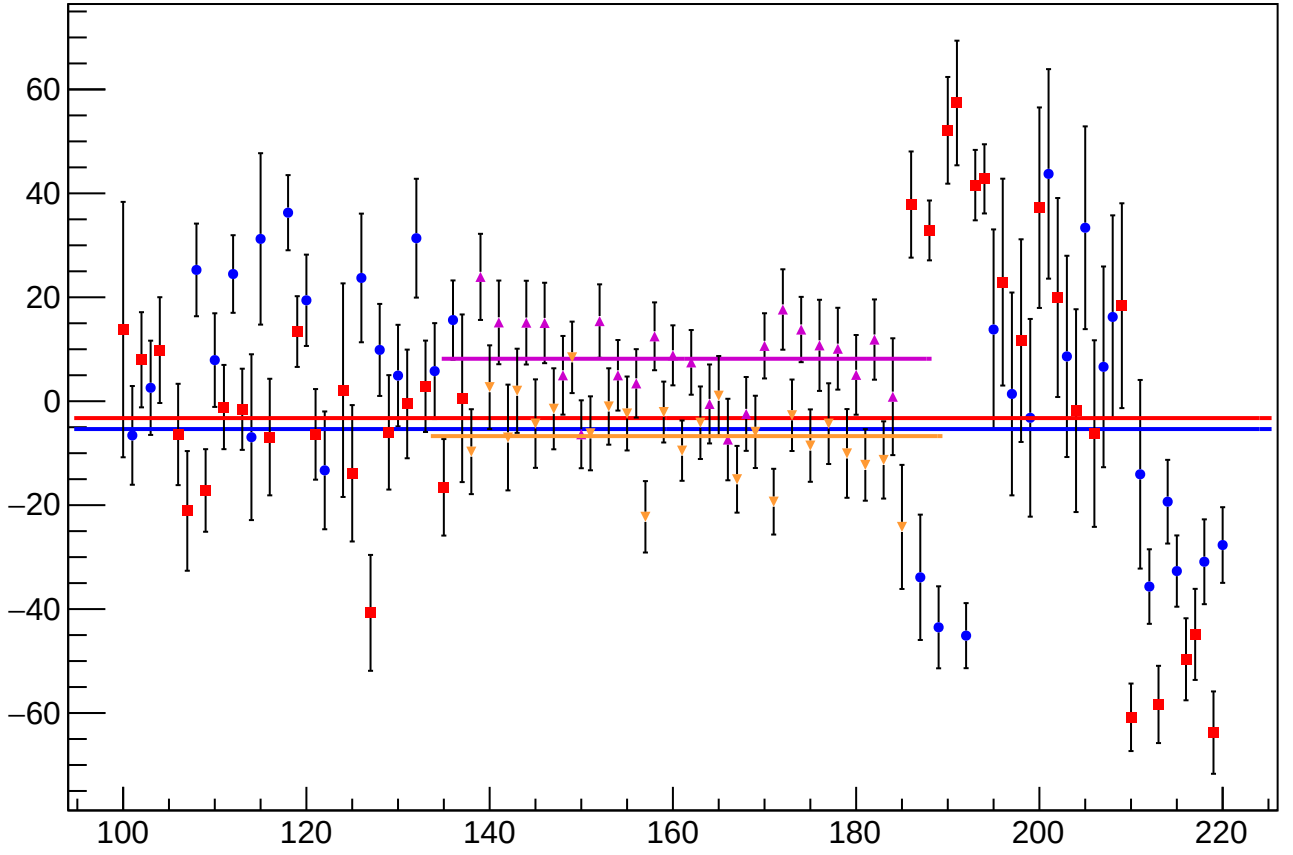
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1670.617+/-0.188 χ^2/NDF: 1965152.4/57

All: 1675.936+/-0.134 χ^2/NDF: 3759737.6/11

- sign 1681.392+/-0.191 χ^2/NDF: 1792966.8/59

diff_bpm0l06X_mean vs Slug



Right In: -5.356+/-1.709 χ^2/NDF: 244.7/32

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

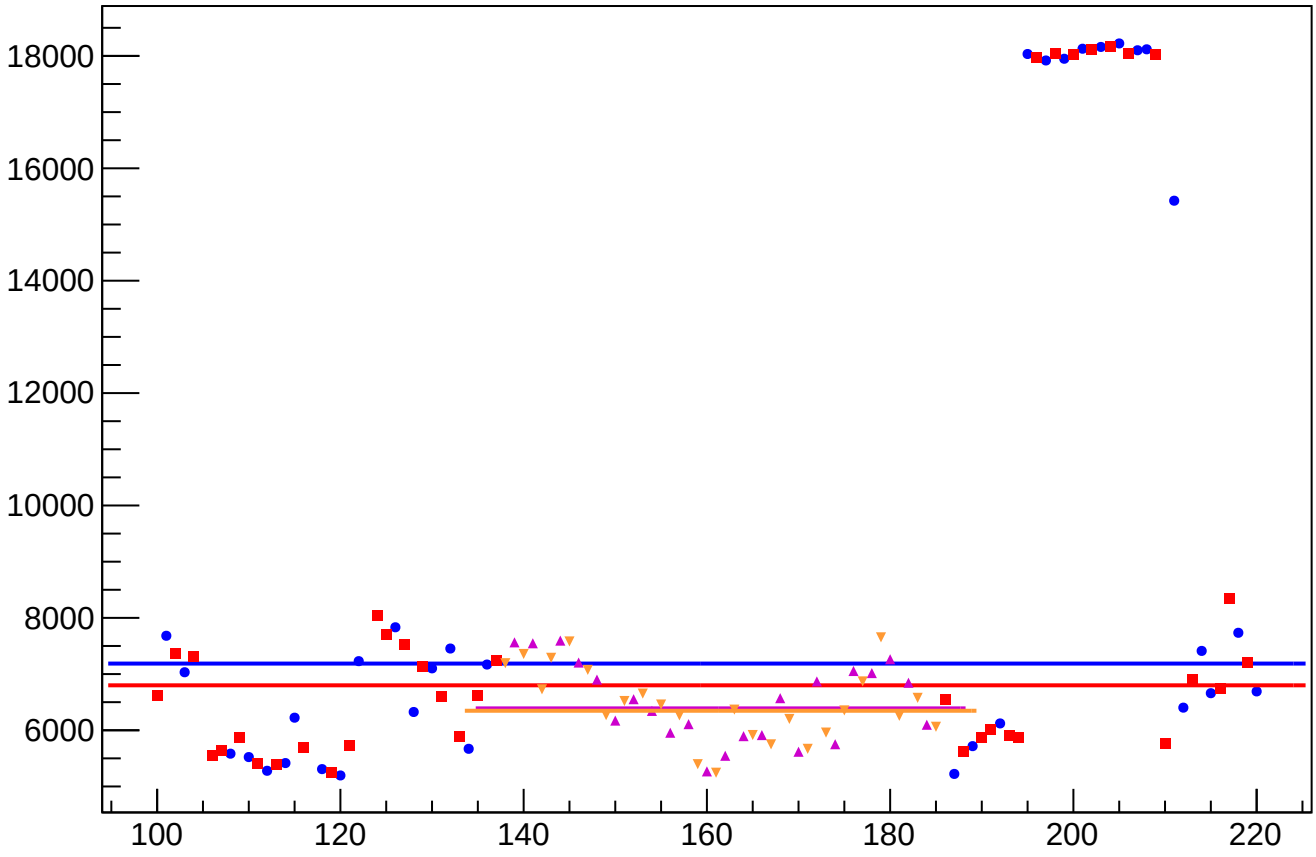
Right Out: -3.247+/-1.582 χ^2/NDF: 490.4/36

Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -6.141+/-1.109 χ^2/NDF: 270.8/57

All: -1.639+/-0.778 χ^2/NDF: 845.1/117

- sign 2.728+/-1.092 χ^2/NDF: 541.9/59



Right In: 7186.783+/-1.208 χ^2/NDF: 6279955.3/32

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6799.888+/-1.119 χ^2/NDF: 5506170.4/36

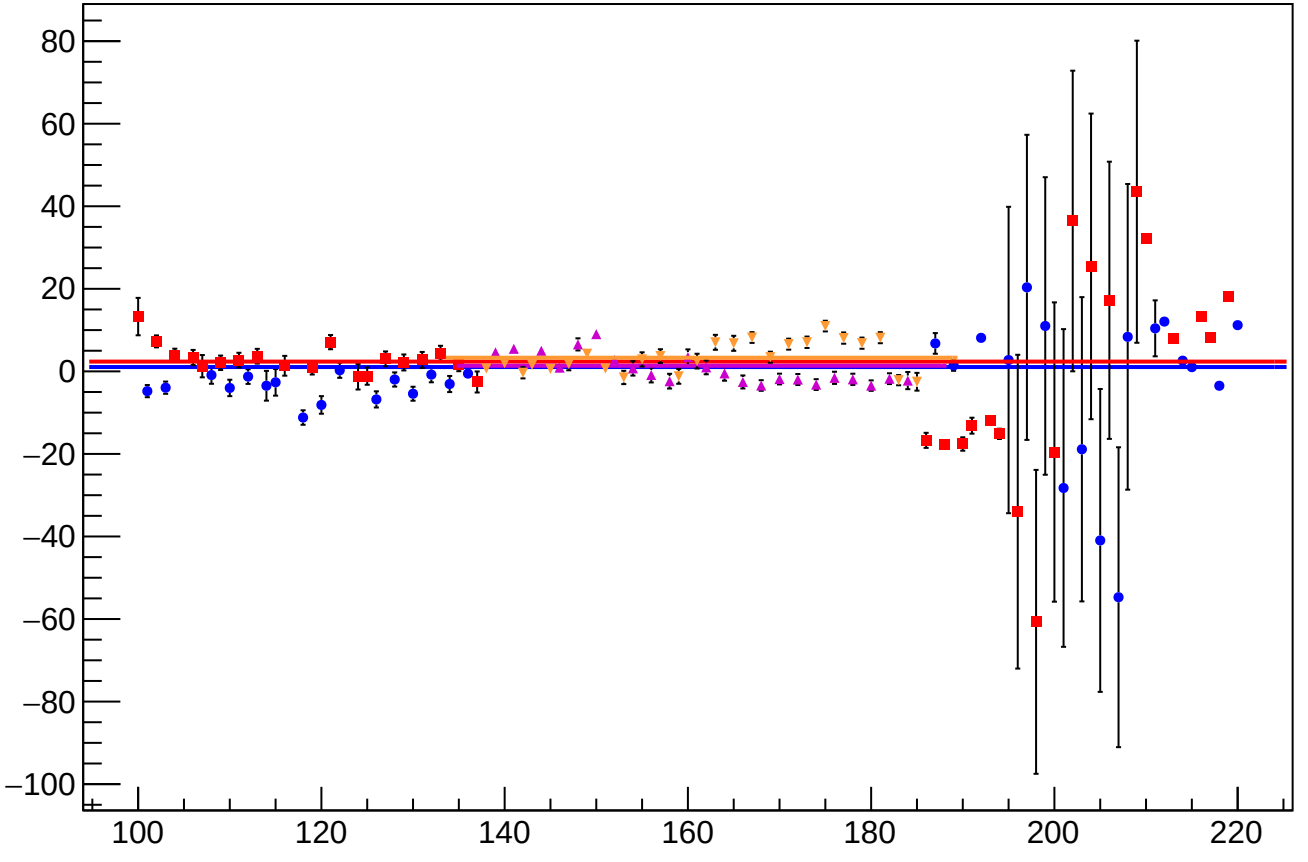
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6700.922+/-0.784 χ^2/NDF: 6945385.3/57

All: 6642.134+/-0.550 χ^2/NDF: 12952840.4/1

- sign 6585.107+/-0.772 χ^2/NDF: 5996383.3/59

diff_bpm0l06Y_mean vs Slug



Right In: 1.048+/-0.299 χ^2/NDF: 408.0/32

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: 2.370+/-0.277 χ^2/NDF: 2115.9/36

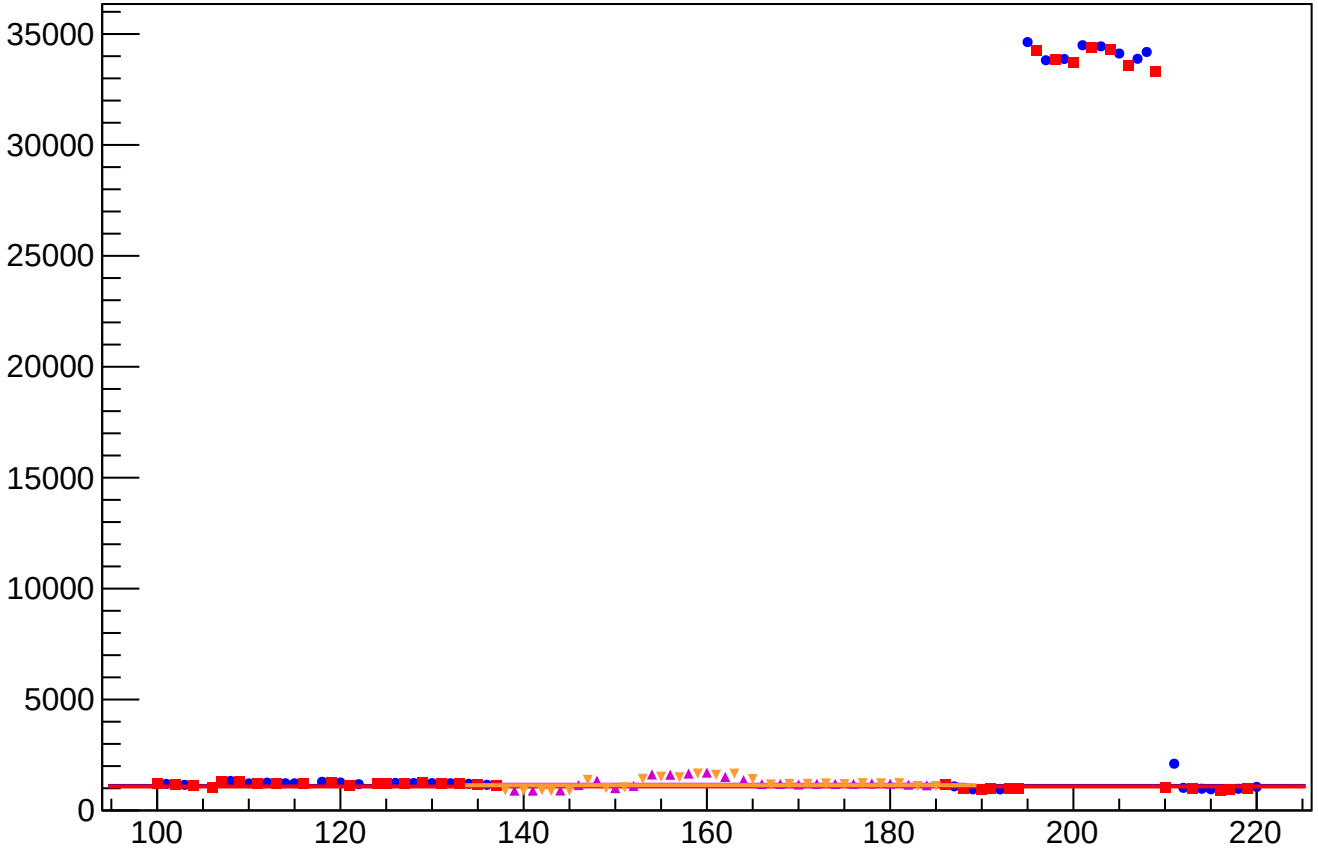
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 2.316+/-0.198 χ^2/NDF: 618.1/57

All: 2.086+/-0.139 χ^2/NDF: 2939.7/117

- sign 1.862+/-0.196 χ^2/NDF: 2318.9/59

diff_bpm0l06Y_rms vs Slug



Right In: 1105.068+/-0.211 χ^2/NDF: 13232040.8/32

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1081.277+/-0.196 χ^2/NDF: 11834941.6/36

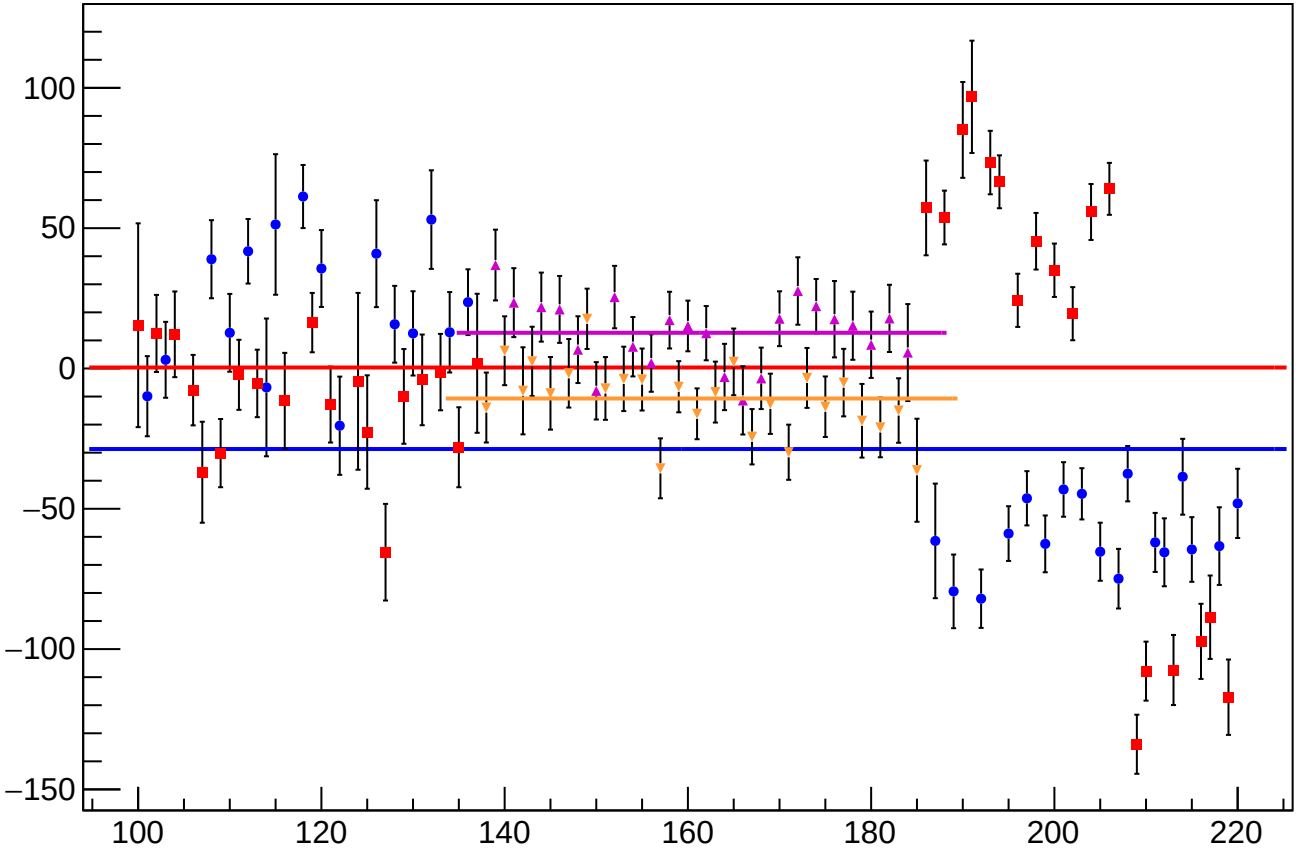
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1123.044+/-0.140 χ^2/NDF: 14714670.7/57

All: 1121.719+/-0.098 χ^2/NDF: 27889244.7/1

- sign 1120.422+/-0.138 χ^2/NDF: 13174396.7/59

diff_bpm0l07X_mean vs Slug



Right In: -28.703+/-2.151 χ^2/NDF: 399.5/32

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: 0.350+/-2.093 χ^2/NDF: 848.5/36

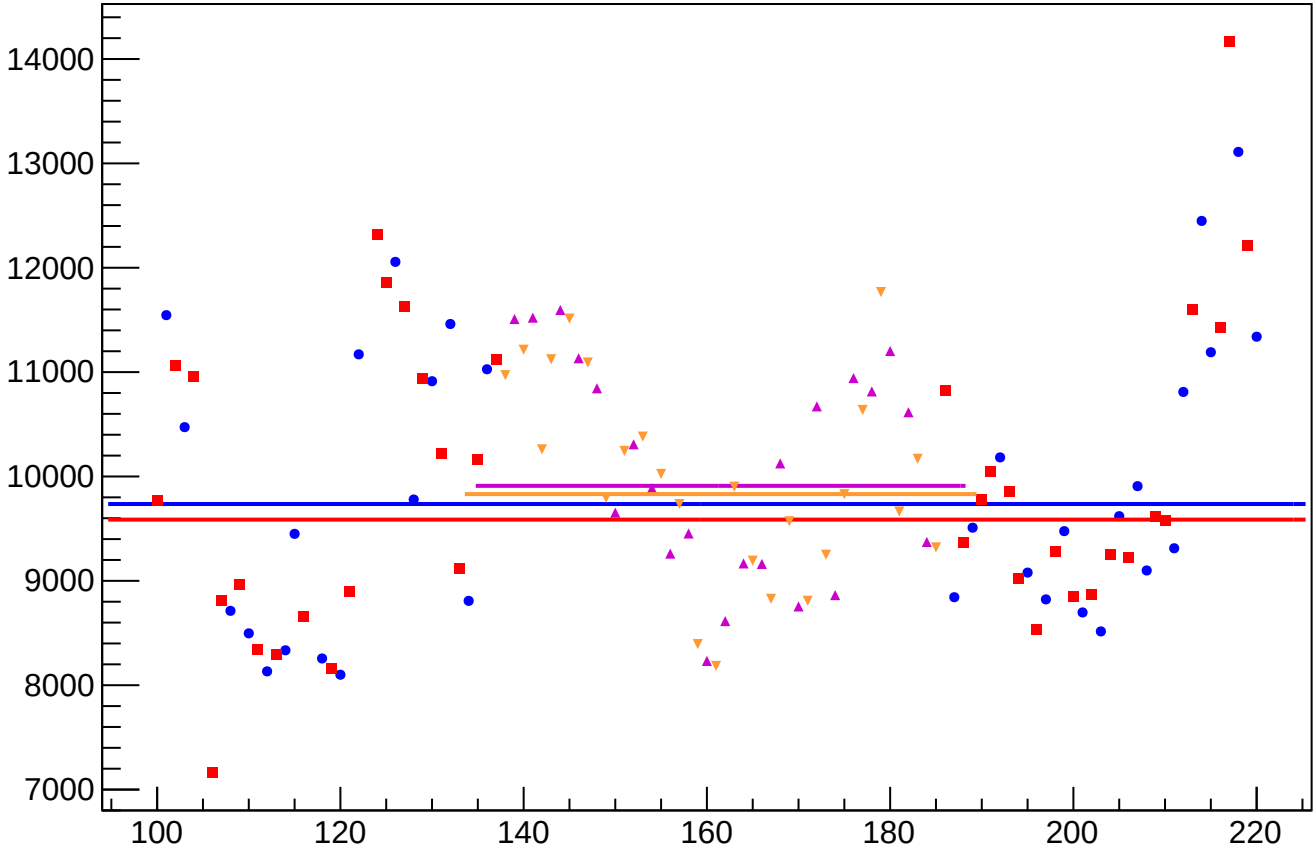
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -20.133+/-1.557 χ^2/NDF: 461.6/57

All: -7.170+/-1.102 χ^2/NDF: 1488.6/117

- sign 5.845+/-1.560 χ^2/NDF: 888.1/59

diff_bpm0l07X_rms vs Slug



Right In: 9736.063+/-1.521 χ^2/NDF: 669202.5/32

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9586.649+/-1.480 χ^2/NDF: 744140.5/36

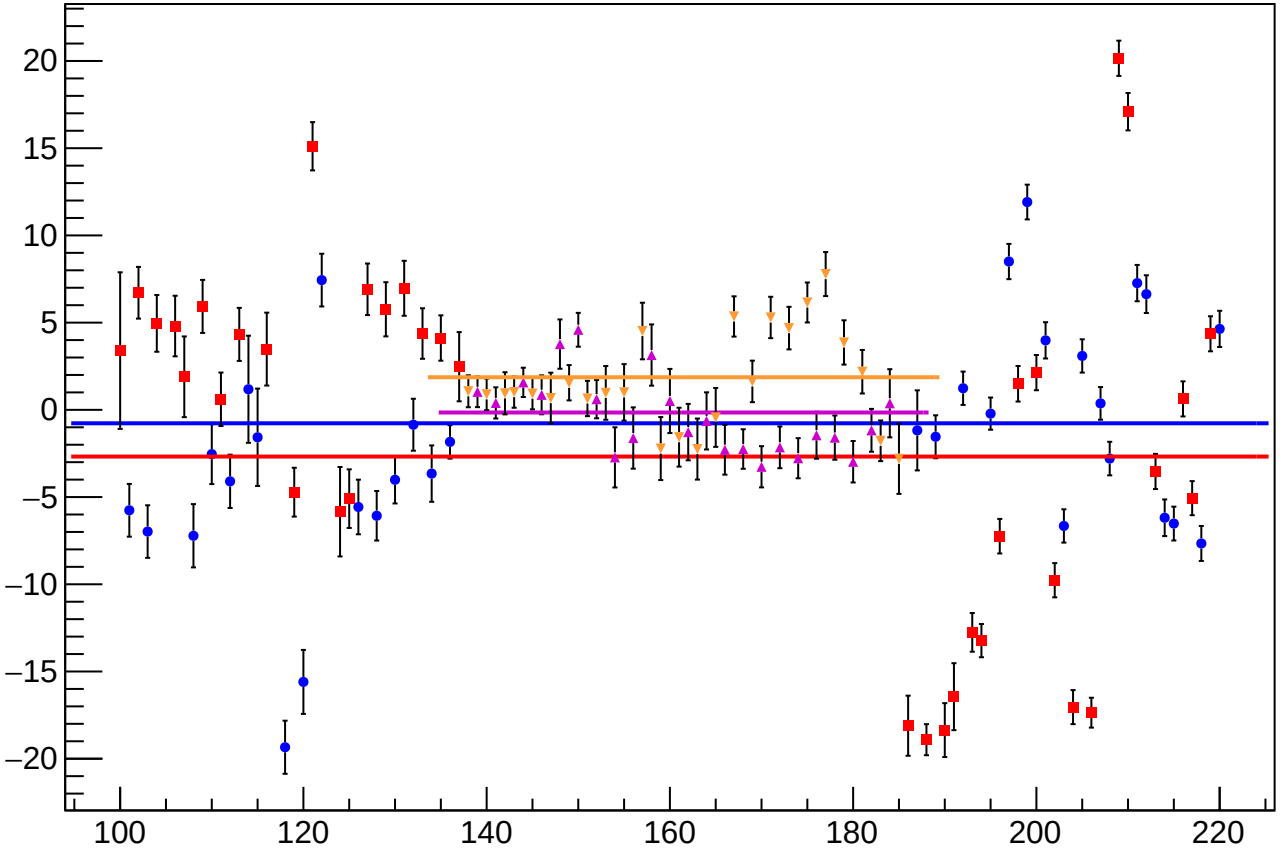
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9781.390+/-1.101 χ^2/NDF: 1027193.4/57

All: 9755.965+/-0.779 χ^2/NDF: 2183016.9/11

- sign 9730.440+/-1.103 χ^2/NDF: 1154755.1/59

diff_bpm0l07Y_mean vs Slug



Right In: -0.770+/-0.209 χ^2/NDF: 899.0/32

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -2.678+/-0.206 χ^2/NDF: 2805.2/36

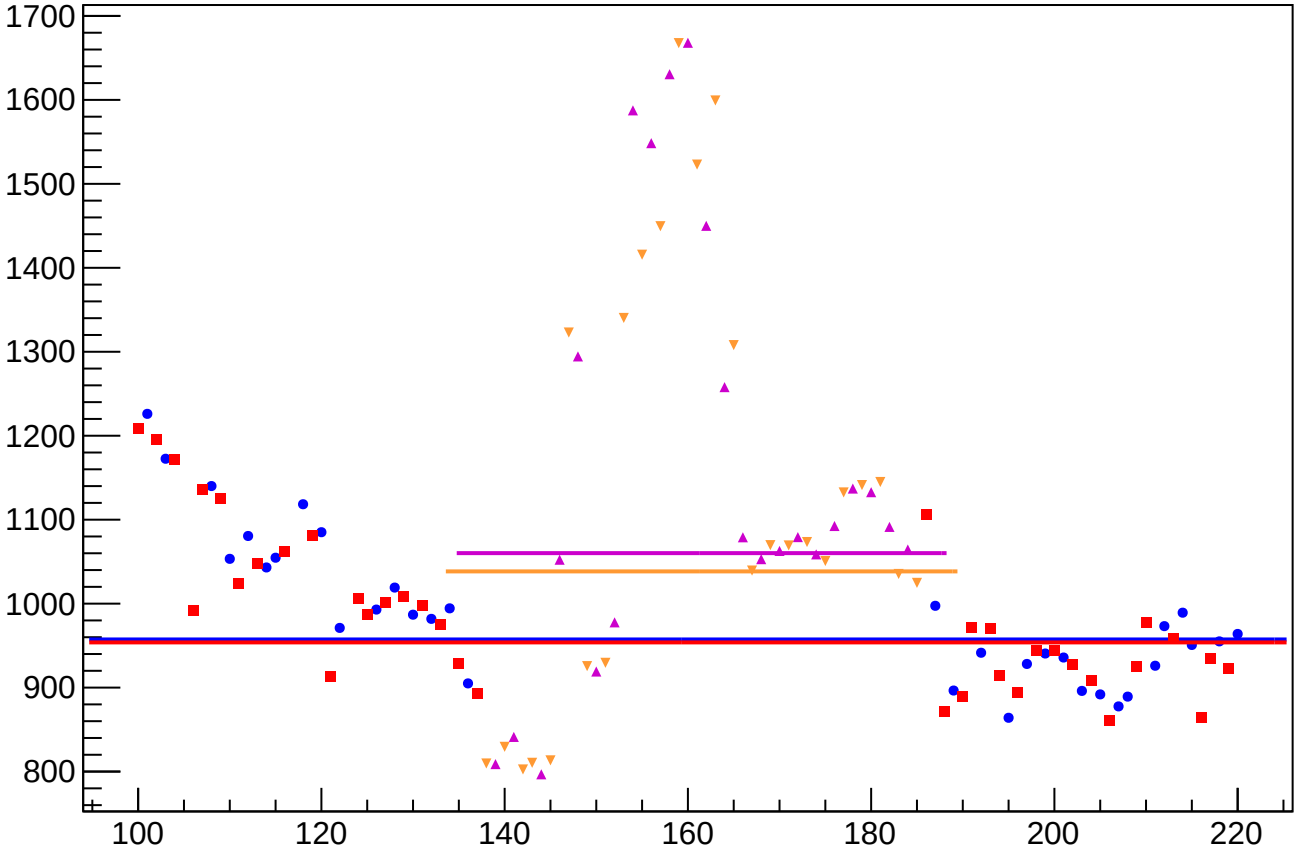
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.355+/-0.158 χ^2/NDF: 1070.0/57

All: -0.650+/-0.113 χ^2/NDF: 4091.7/117

- sign -1.677+/-0.160 χ^2/NDF: 2940.3/59

diff_bpm0l07Y_rms vs Slug



Right In: 957.334+/-0.148 χ^2/NDF: 269090.3/32

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 953.834+/-0.146 χ^2/NDF: 278903.7/36

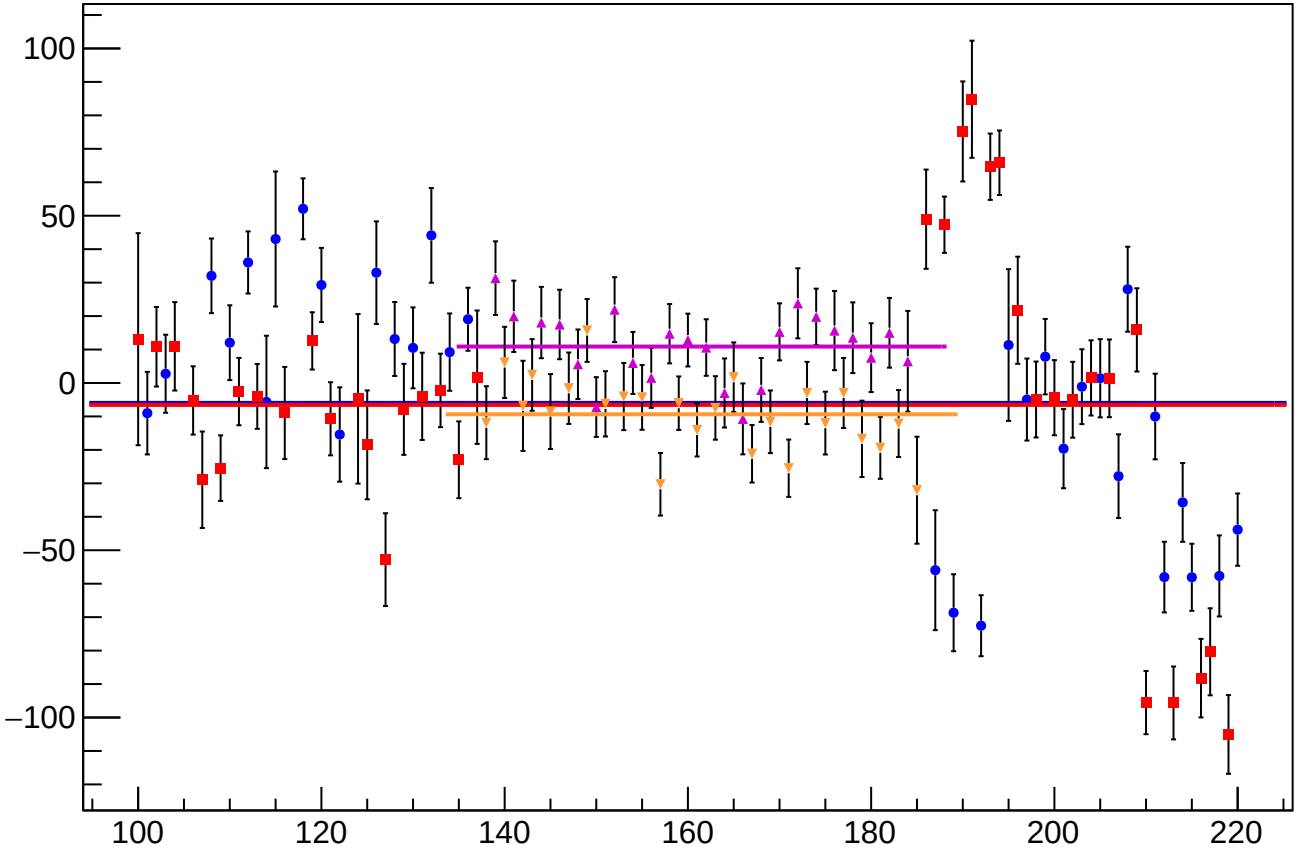
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 991.914+/-0.112 χ^2/NDF: 2103804.8/57

All: 993.913+/-0.080 χ^2/NDF: 4117409.2/117

- sign 995.954+/-0.113 χ^2/NDF: 2012961.5/59

diff_bpm0l08X_mean vs Slug



Right In: -5.949+/-2.056 χ^2/NDF: 318.3/32

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: -6.551+/-1.949 χ^2/NDF: 563.6/36

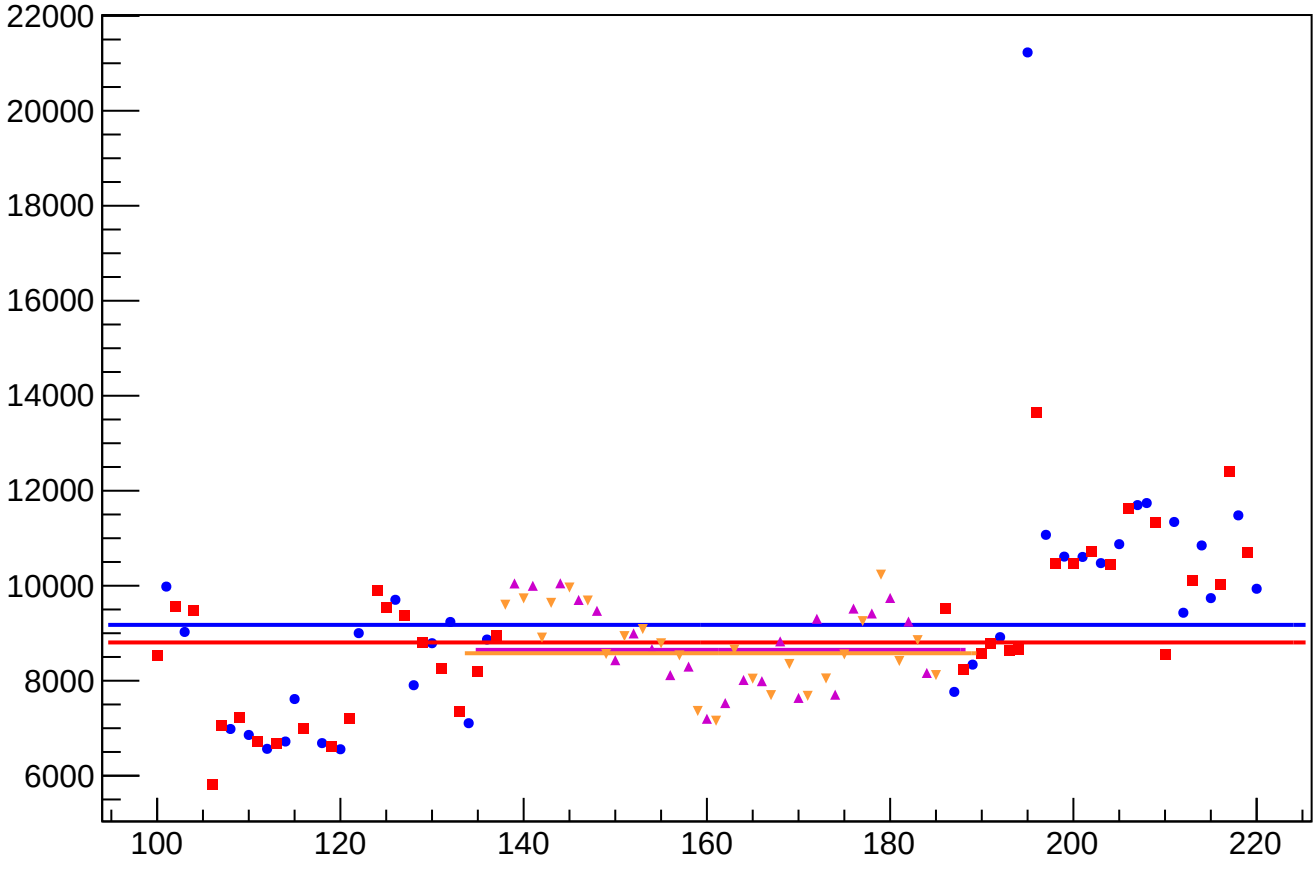
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -7.726+/-1.422 χ^2/NDF: 348.2/57

All: -2.941+/-1.001 χ^2/NDF: 996.1/117

- sign 1.764+/-1.410 χ^2/NDF: 625.4/59

diff_bpm0l08X_rms vs Slug



Right In: 9175.797+/-1.454 χ^2/NDF: 1848978.4/32

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8805.816+/-1.378 χ^2/NDF: 1554091.2/36

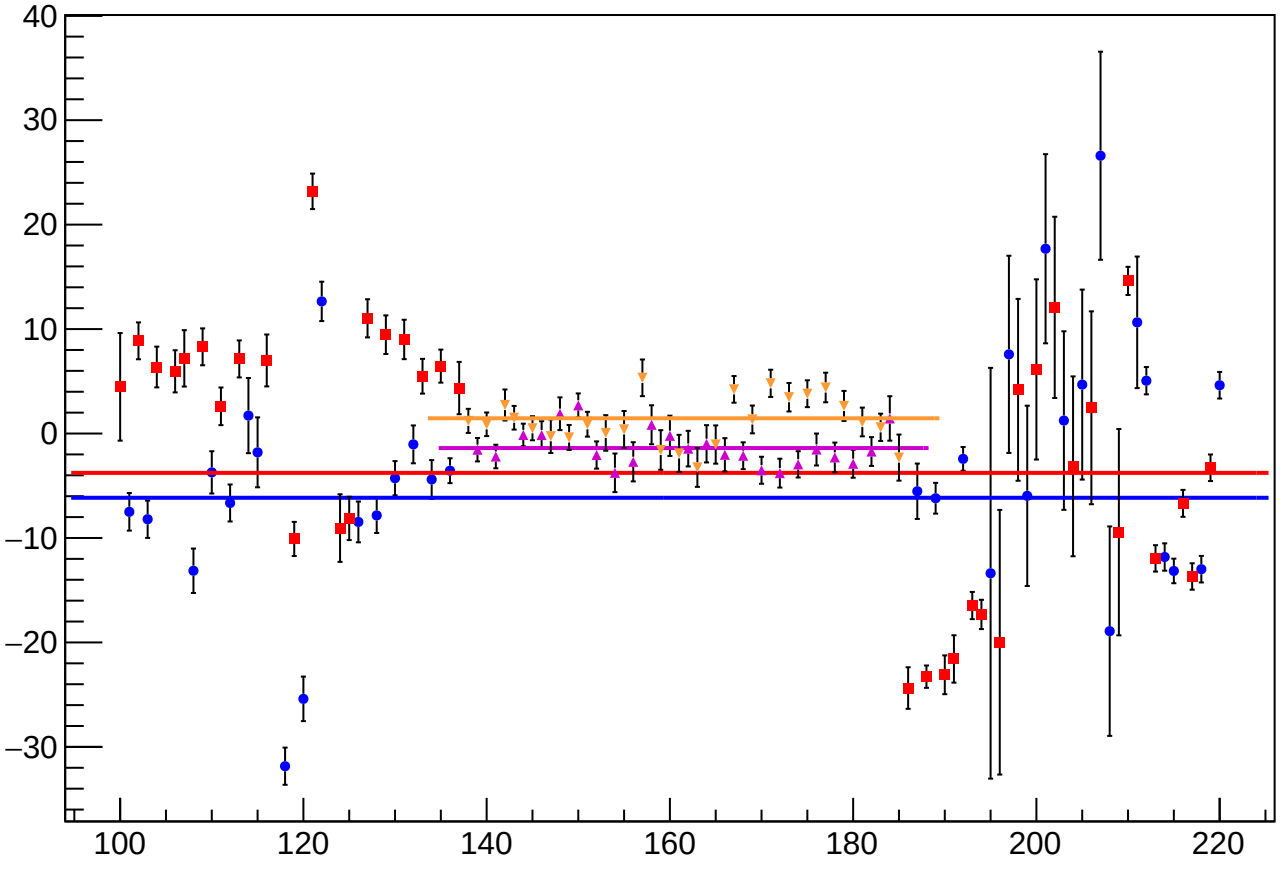
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8864.212+/-1.006 χ^2/NDF: 2280765.3/57

All: 8797.132+/-0.708 χ^2/NDF: 4227764.5/11

- sign 8731.173+/-0.997 χ^2/NDF: 1938174.3/59

diff_bpm0l08Y_mean vs Slug



Right In: -6.151+/-0.328 χ^2/NDF: 697.1/32

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -3.764+/-0.305 χ^2/NDF: 1857.2/36

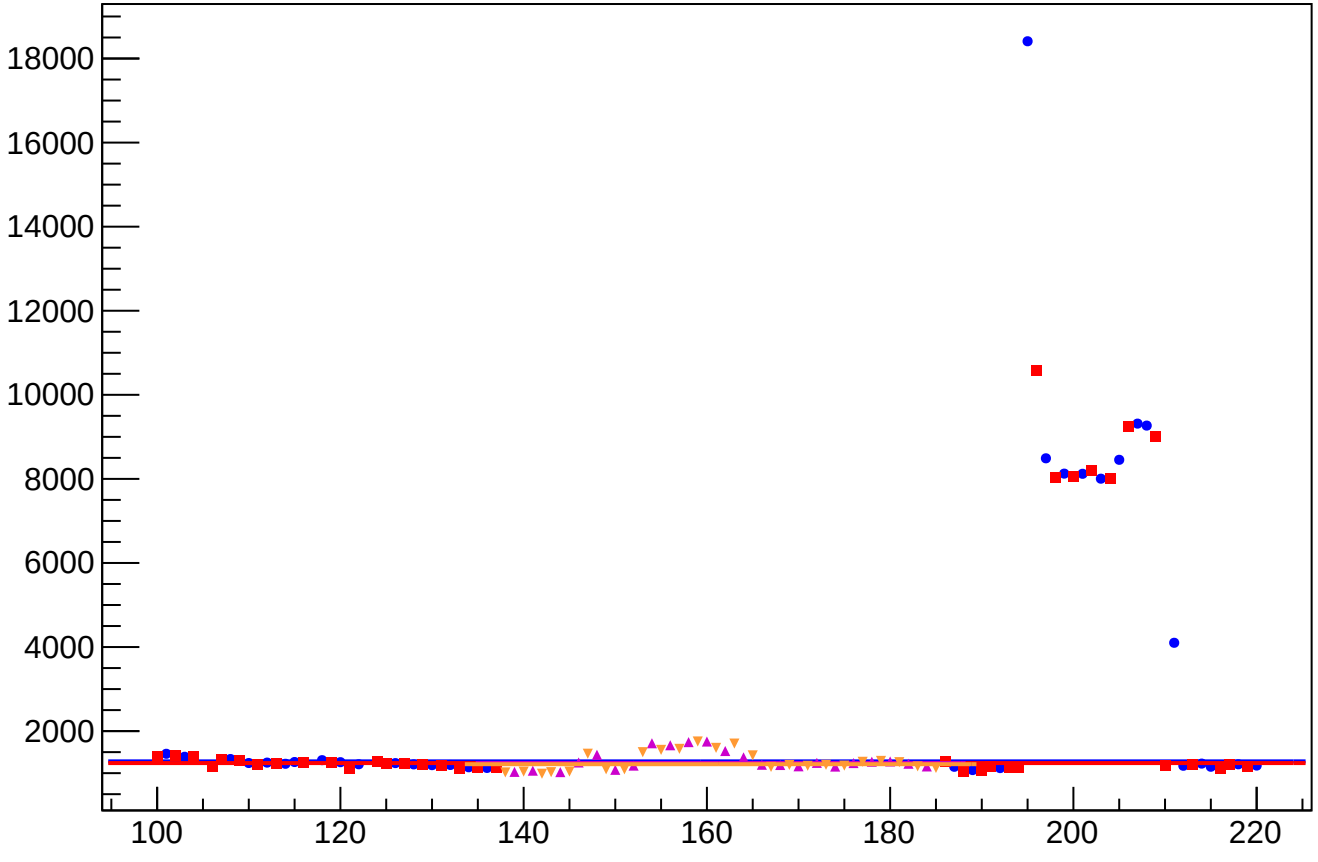
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.754+/-0.213 χ^2/NDF: 1059.1/57

All: -2.147+/-0.150 χ^2/NDF: 2990.0/117

- sign -2.535+/-0.212 χ^2/NDF: 1924.1/59

diff_bpm0l08Y_rms vs Slug



Right In: 1280.408+/-0.232 χ^2/NDF: 10775067.1/32

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1239.714+/-0.215 χ^2/NDF: 9039804.1/36

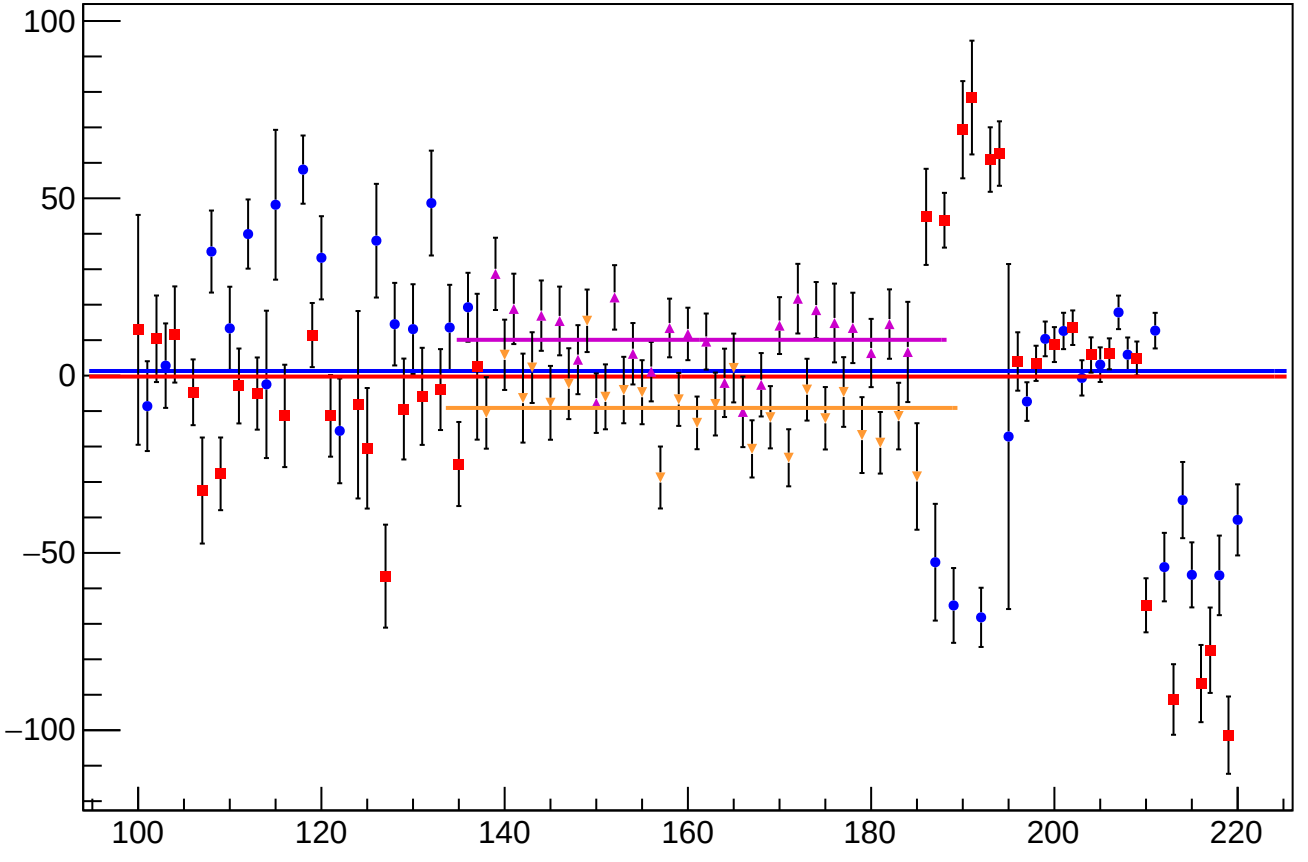
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1241.623+/-0.151 χ^2/NDF: 11836225.8/57

All: 1240.521+/-0.106 χ^2/NDF: 21761735.9/1

- sign 1239.435+/-0.150 χ^2/NDF: 9925404.0/59

diff_bpm0l09X_mean vs Slug



Right In: 1.302+/-1.407 χ^2/NDF: 372.7/32

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: -0.272+/-1.413 χ^2/NDF: 588.1/36

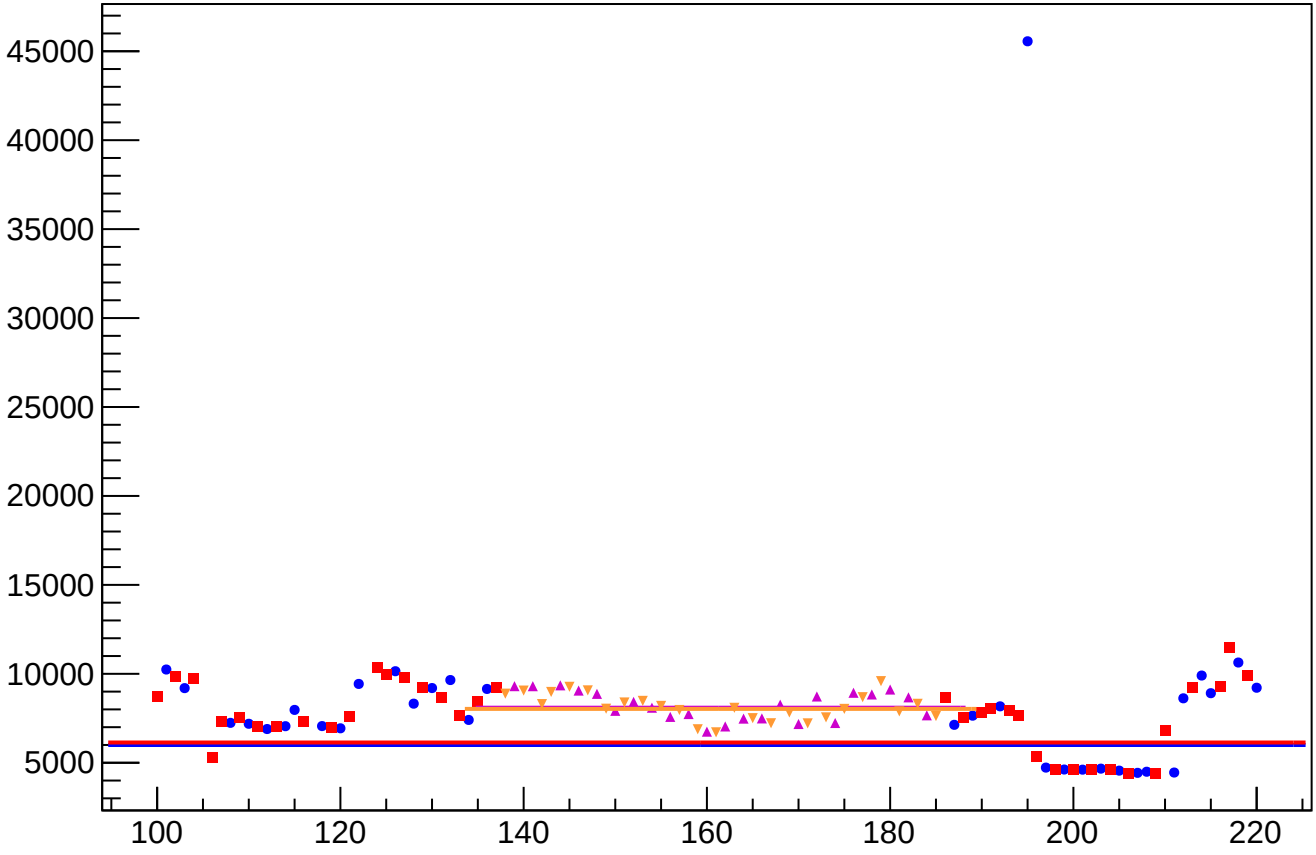
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

+ sign -2.536+/-1.118 χ^2/NDF: 421.6/57

All: 0.381+/-0.797 χ^2/NDF: 1066.9/117

- sign 3.391+/-1.136 χ^2/NDF: 631.4/59

diff_bpm0l09X_rms vs Slug



Right In: 5998.370+/-0.995 χ^2/NDF: 5309536.5/32

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 6138.822+/-0.999 χ^2/NDF: 3816645.5/36

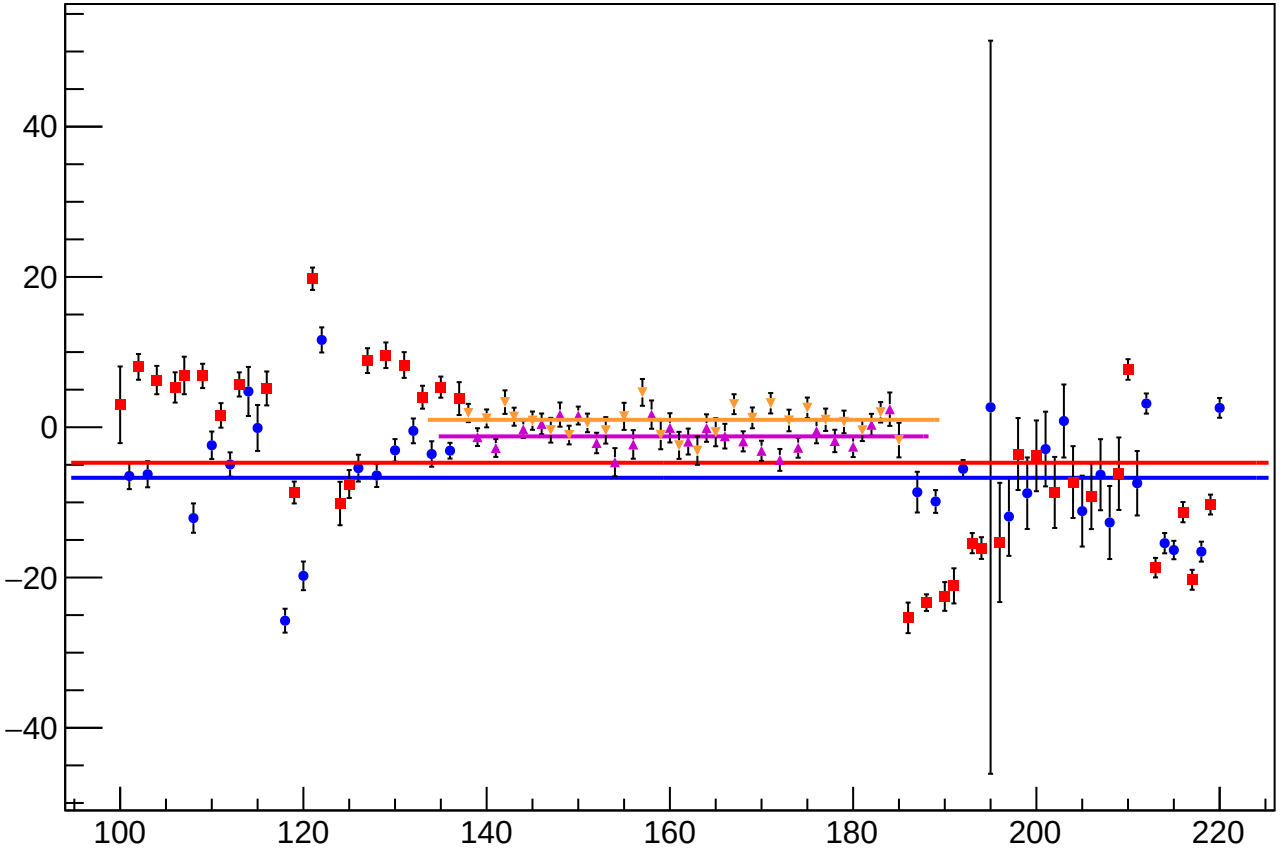
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 6746.336+/-0.791 χ^2/NDF: 7174692.2/57

All: 6787.566+/-0.564 χ^2/NDF: 12719679.0/1

- sign 6830.102+/-0.803 χ^2/NDF: 5539465.3/59

diff_bpm0l09Y_mean vs Slug



Right In: -6.730+/-0.313 χ^2/NDF: 652.8/32

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -4.724+/-0.294 χ^2/NDF: 1875.9/36

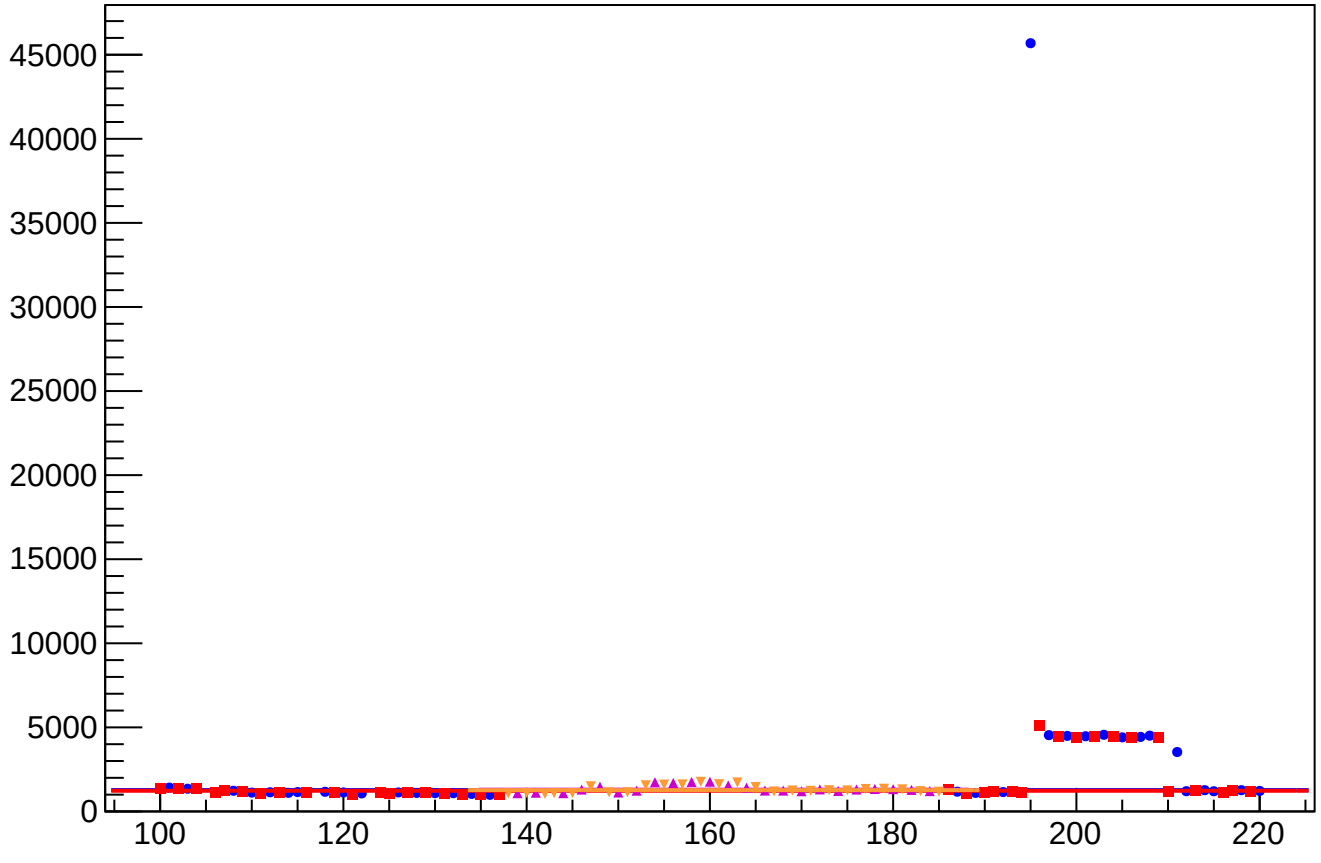
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -2.609+/-0.214 χ^2/NDF: 1008.6/57

All: -2.830+/-0.150 χ^2/NDF: 2987.9/117

- sign -3.047+/-0.212 χ^2/NDF: 1977.2/59

diff_bpm0l09Y_rms vs Slug



Right In: 1270.063+/-0.221 χ^2/NDF: 8757517.5/32

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1231.875+/-0.208 χ^2/NDF: 6411409.4/36

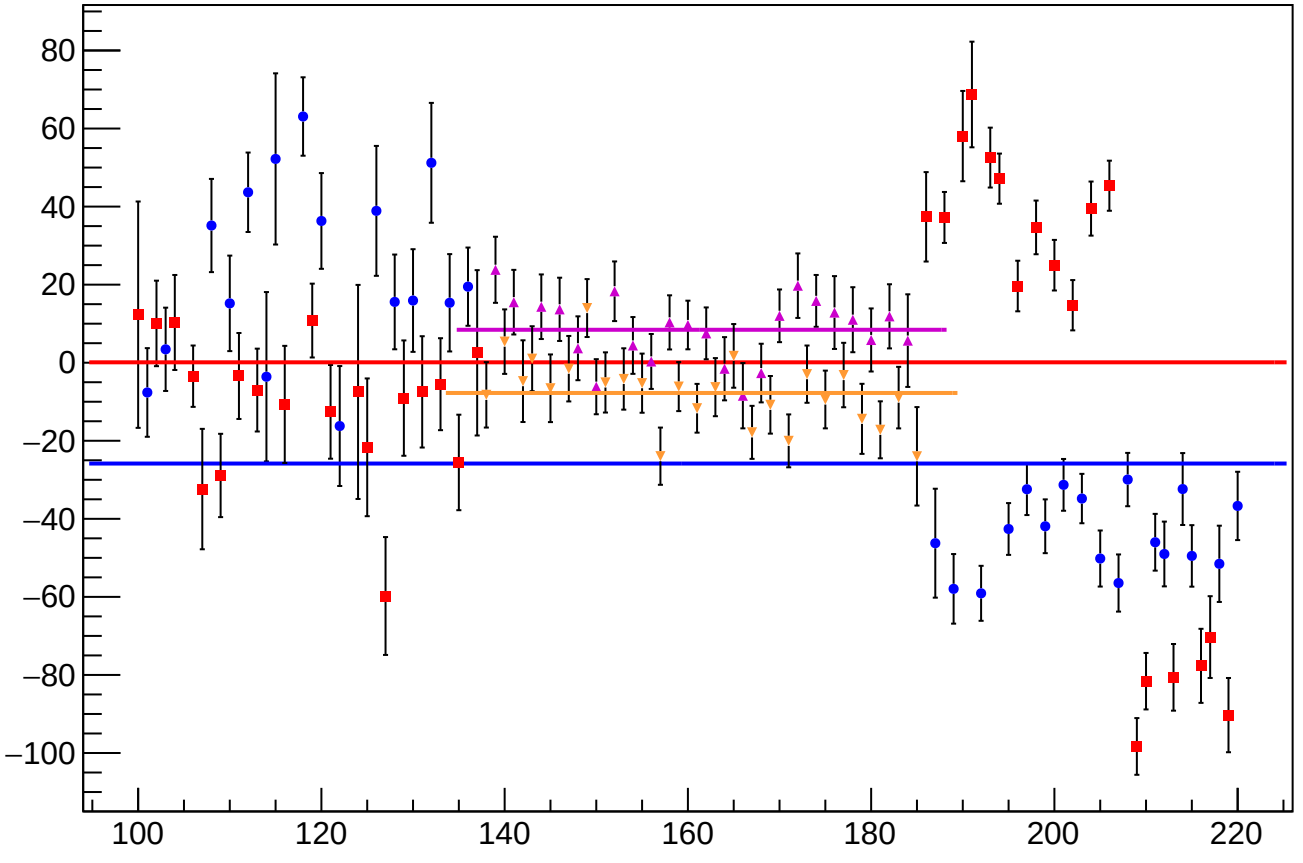
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1268.644+/-0.151 χ^2/NDF: 9636026.3/57

All: 1265.110+/-0.106 χ^2/NDF: 16849664.1/1

- sign 1261.628+/-0.150 χ^2/NDF: 7212551.3/59

diff_bpm0l10X_mean vs Slug



Right In: -25.835+/-1.585 χ^2/NDF: 421.2/32

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 0.100+/-1.532 χ^2/NDF: 973.1/36

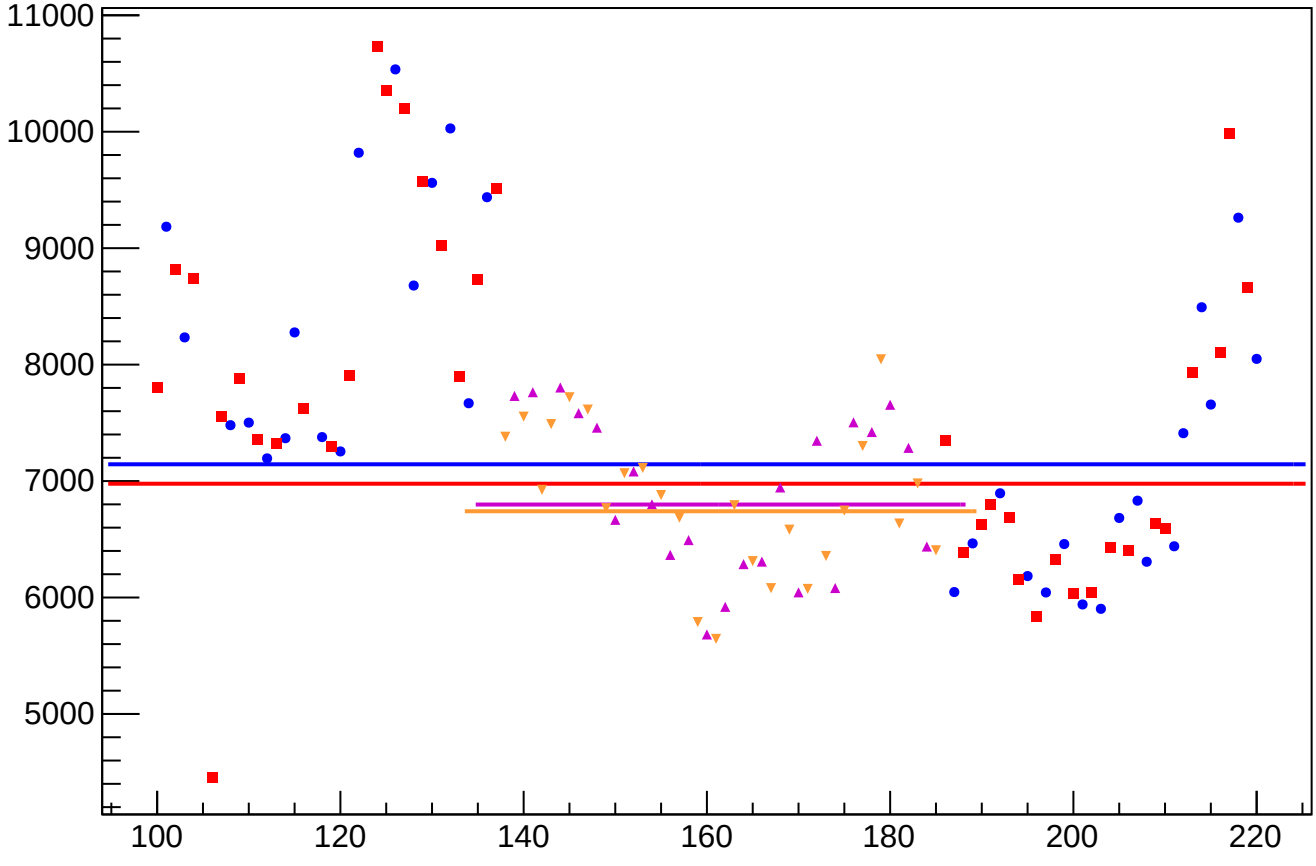
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -16.573+/-1.107 χ^2/NDF: 518.3/57

All: -6.261+/-0.783 χ^2/NDF: 1704.2/117

- sign 4.077+/-1.108 χ^2/NDF: 1012.1/59

diff_bpm0l10X_rms vs Slug



Right In: 7144.138+/-1.121 χ^2/NDF: 1033041.1/32

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6977.189+/-1.084 χ^2/NDF: 1271884.8/36

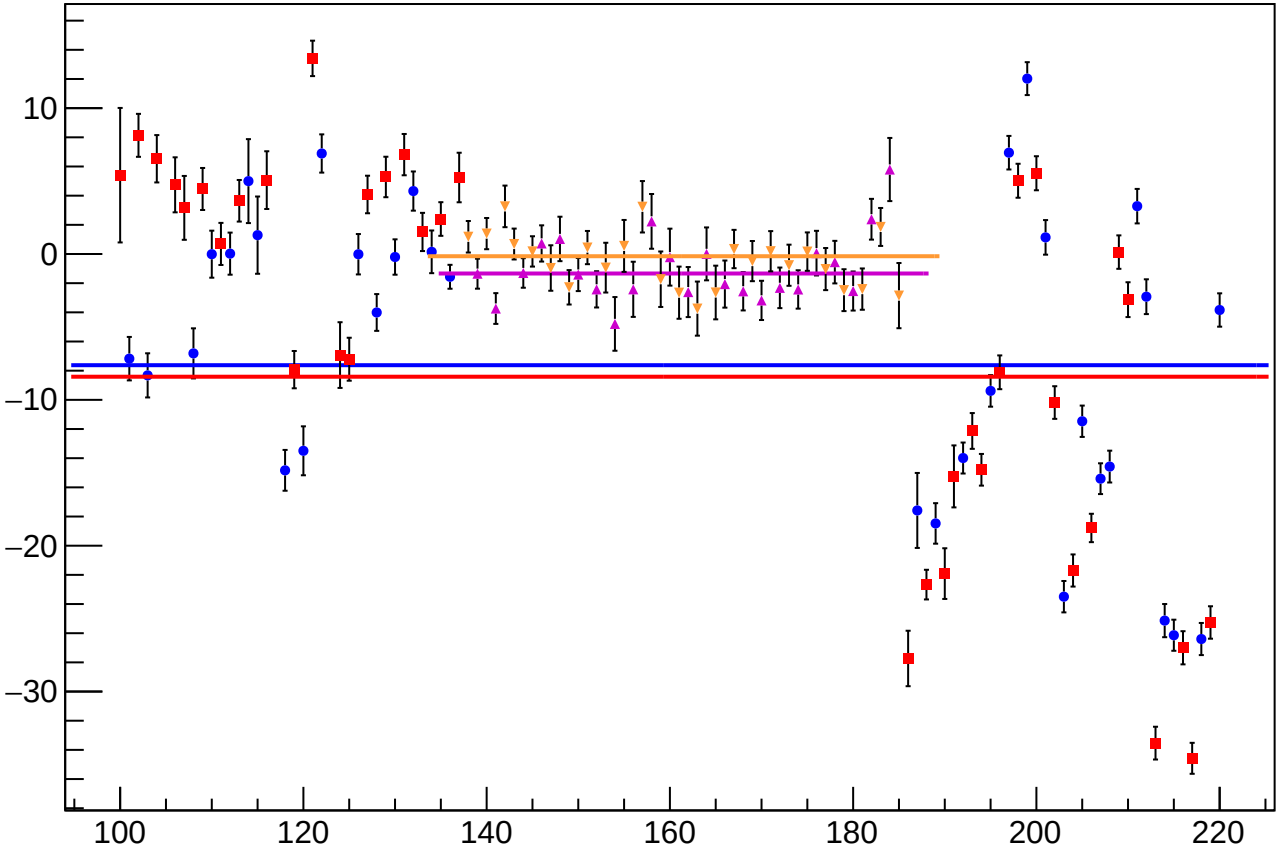
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6937.566+/-0.783 χ^2/NDF: 1416088.4/57

All: 6914.795+/-0.554 χ^2/NDF: 3055913.8/11

- sign 6891.969+/-0.784 χ^2/NDF: 1638130.5/59

diff_bpm0l10Y_mean vs Slug



Right In: -7.624+/-0.219 χ^2/NDF: 2379.8/32

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -8.414+/-0.217 χ^2/NDF: 4006.0/36

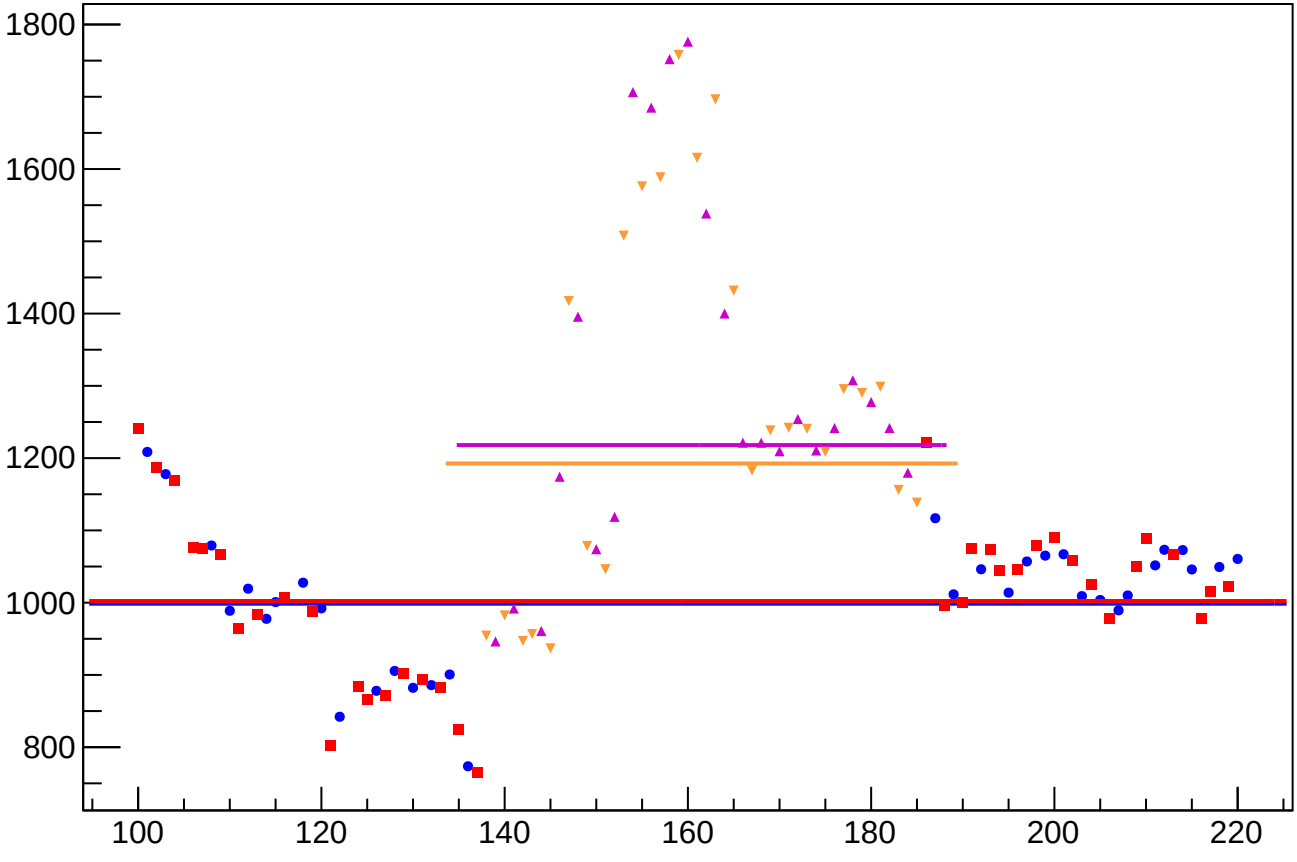
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -4.753+/-0.172 χ^2/NDF: 2864.8/57

All: -5.308+/-0.122 χ^2/NDF: 7317.7/117

- sign -5.877+/-0.174 χ^2/NDF: 4431.6/59

diff_bpm0l10Y_rms vs Slug



Right In: 998.607+/-0.155 χ^2/NDF: 382884.2/32

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

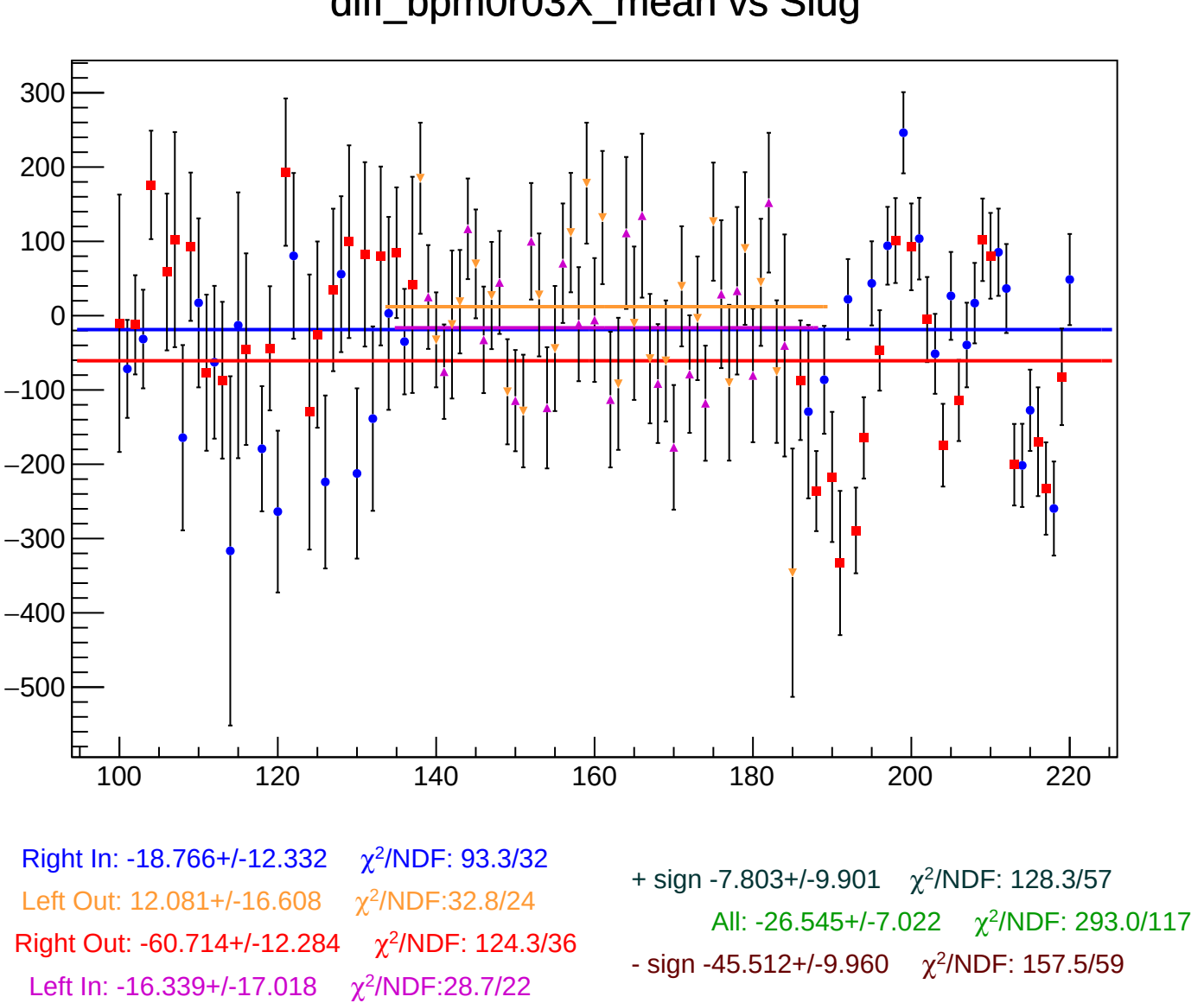
Right Out: 1002.296+/-0.153 χ^2/NDF: 384142.2/36

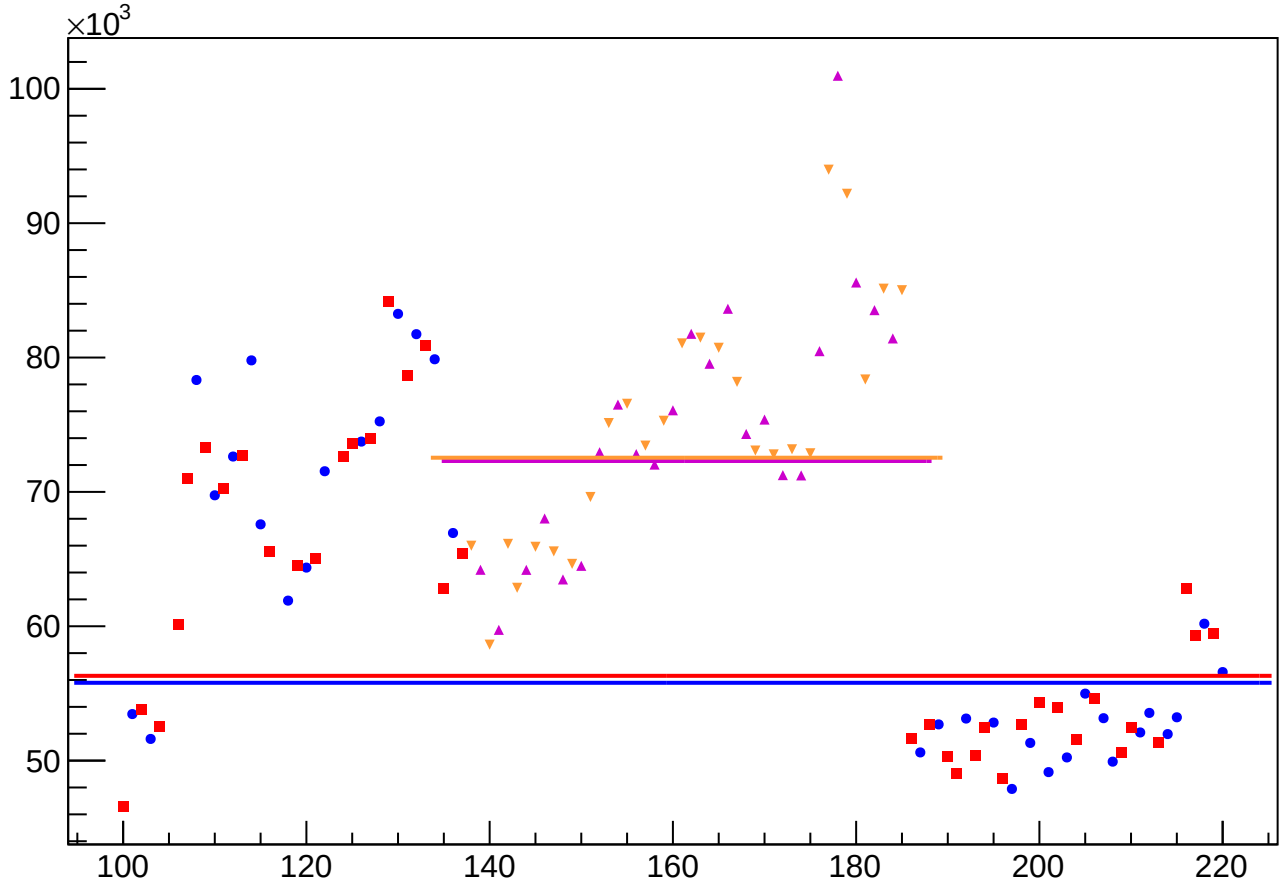
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1073.133+/-0.121 χ^2/NDF: 2308277.8/57

All: 1076.338+/-0.086 χ^2/NDF: 4531280.2/11

- sign 1079.625+/-0.123 χ^2/NDF: 2221587.7/59


diff_bpm0r03X_mean vs Slug
300
200
100
0
−100
−200
−300
−400
−500
100
120
140
160
180
200
220
Right In: -18.766+/-12.332 χ²/NDF: 93.3/32
Left Out: 12.081+/-16.608 χ²/NDF:32.8/24
Right Out: -60.714+/-12.284 χ²/NDF: 124.3/36
Left In: -16.339+/-17.018 χ²/NDF:28.7/22
+ sign -7.803+/-9.901 χ²/NDF: 128.3/57
All: -26.545+/-7.022 χ²/NDF: 293.0/117
- sign -45.512+/-9.960 χ²/NDF: 157.5/59



Right In: 55792.091+/-8.720 χ^2/NDF: 878525.8/32

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56310.453+/-8.686 χ^2/NDF: 798144.1/36

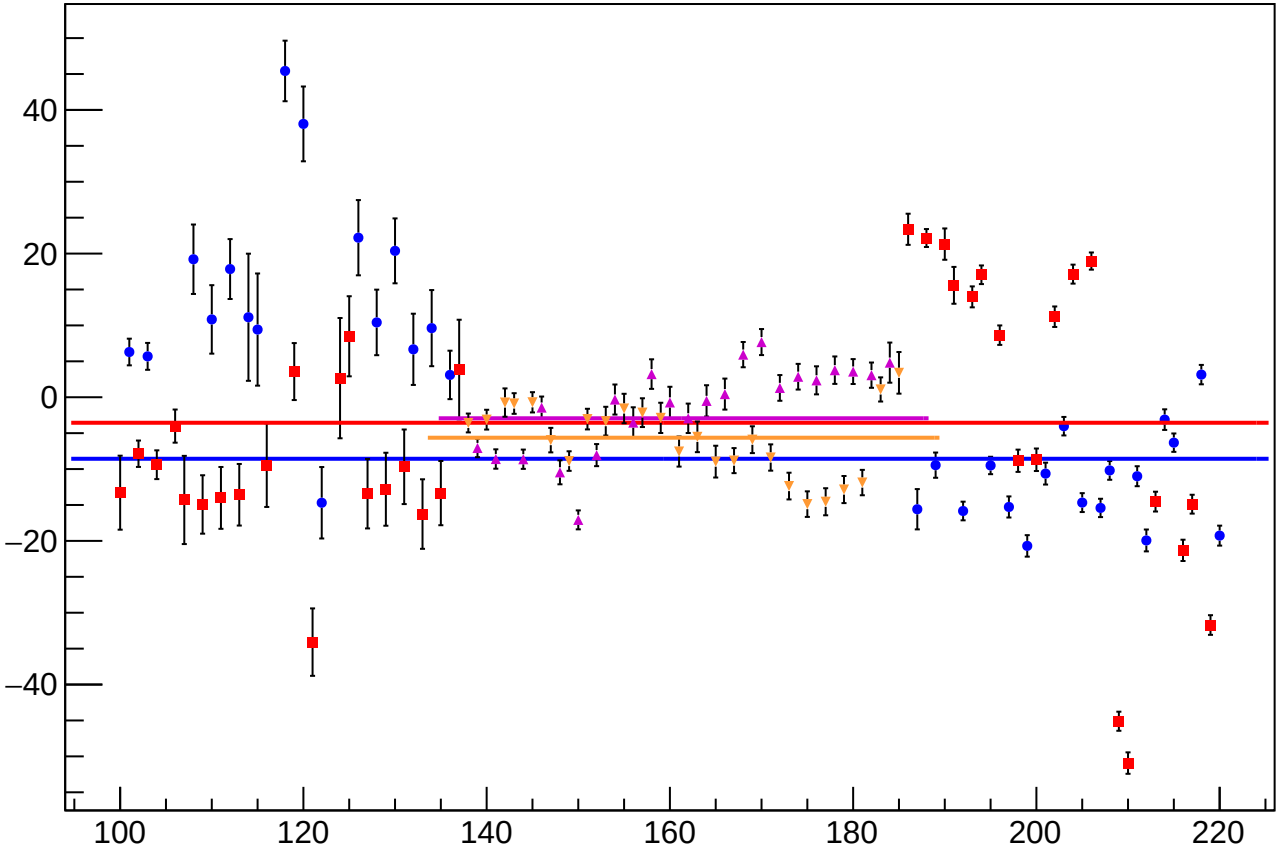
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 61745.975+/-7.001 χ^2/NDF: 2690277.1/57

All: 61766.985+/-4.965 χ^2/NDF: 5138071.3/1

- sign 61788.247+/-7.043 χ^2/NDF: 2447776.1/59

diff_bpm0r03Y_mean vs Slug



Right In: -8.567+/-0.320 χ^2/NDF: 995.8/32

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: -3.553+/-0.318 χ^2/NDF: 4776.5/36

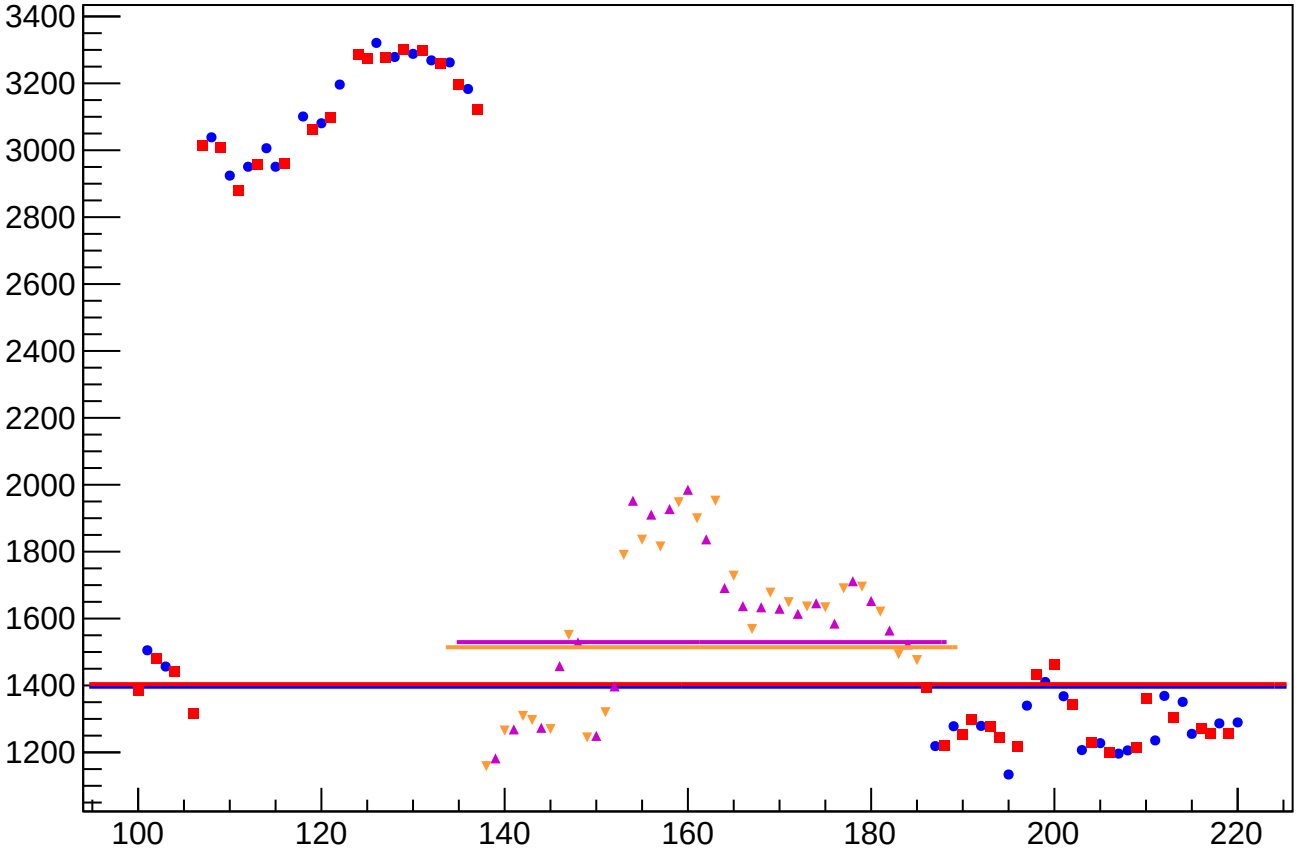
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -7.227+/-0.236 χ^2/NDF: 1212.3/57

All: -5.278+/-0.168 χ^2/NDF: 6465.9/117

- sign -3.282+/-0.239 χ^2/NDF: 5115.6/59

diff_bpm0r03Y_rms vs Slug



Right In: 1396.194+/-0.227 χ^2/NDF: 4099921.6/32

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

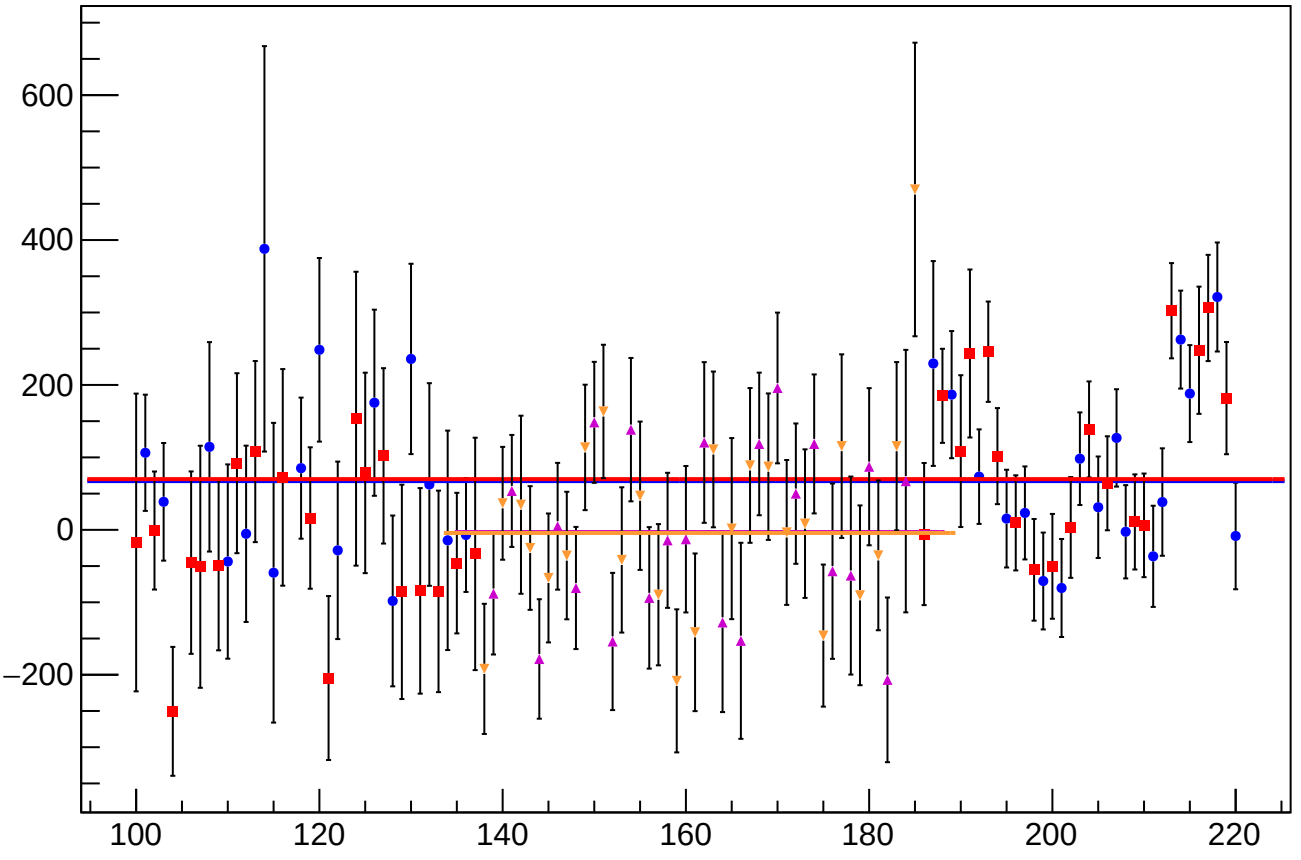
Right Out: 1404.020+/-0.225 χ^2/NDF: 3971998.8/36

Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1450.223+/-0.167 χ^2/NDF: 5157597.5/57

All: 1454.374+/-0.119 χ^2/NDF: 10095262.0/1

- sign 1458.624+/-0.169 χ^2/NDF: 4936413.0/59



Right In: 67.269+/-14.716 χ^2/NDF: 53.5/32

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

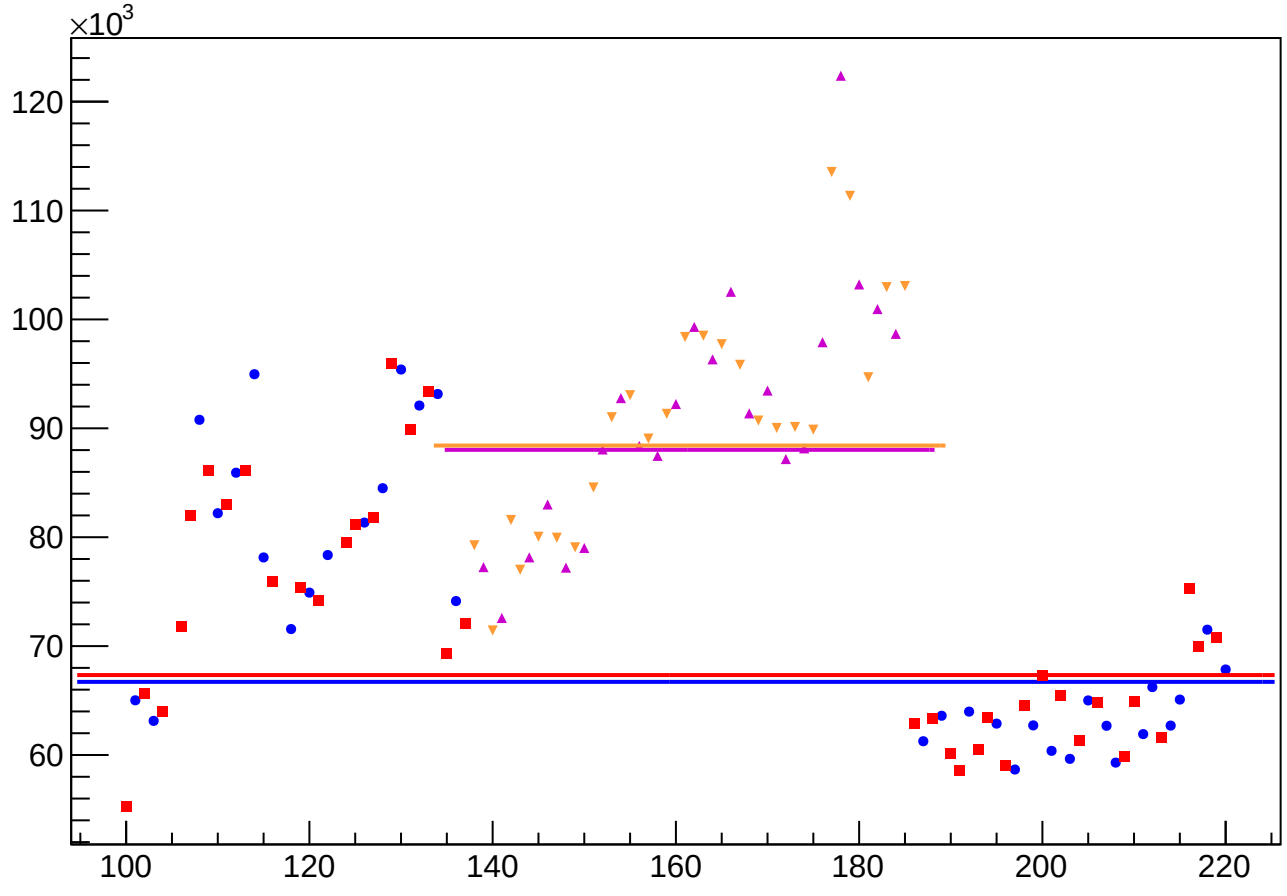
Right Out: 70.006+/-14.667 χ^2/NDF: 80.5/36

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 42.529+/-11.902 χ^2/NDF: 92.2/57

All: 44.070+/-8.440 χ^2/NDF: 211.7/117

- sign 45.630+/-11.971 χ^2/NDF: 119.5/59



Right In: 66715.960+/-10.406 χ^2/NDF: 663417.8/32

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 67341.614+/-10.371 χ^2/NDF: 620127.4/36

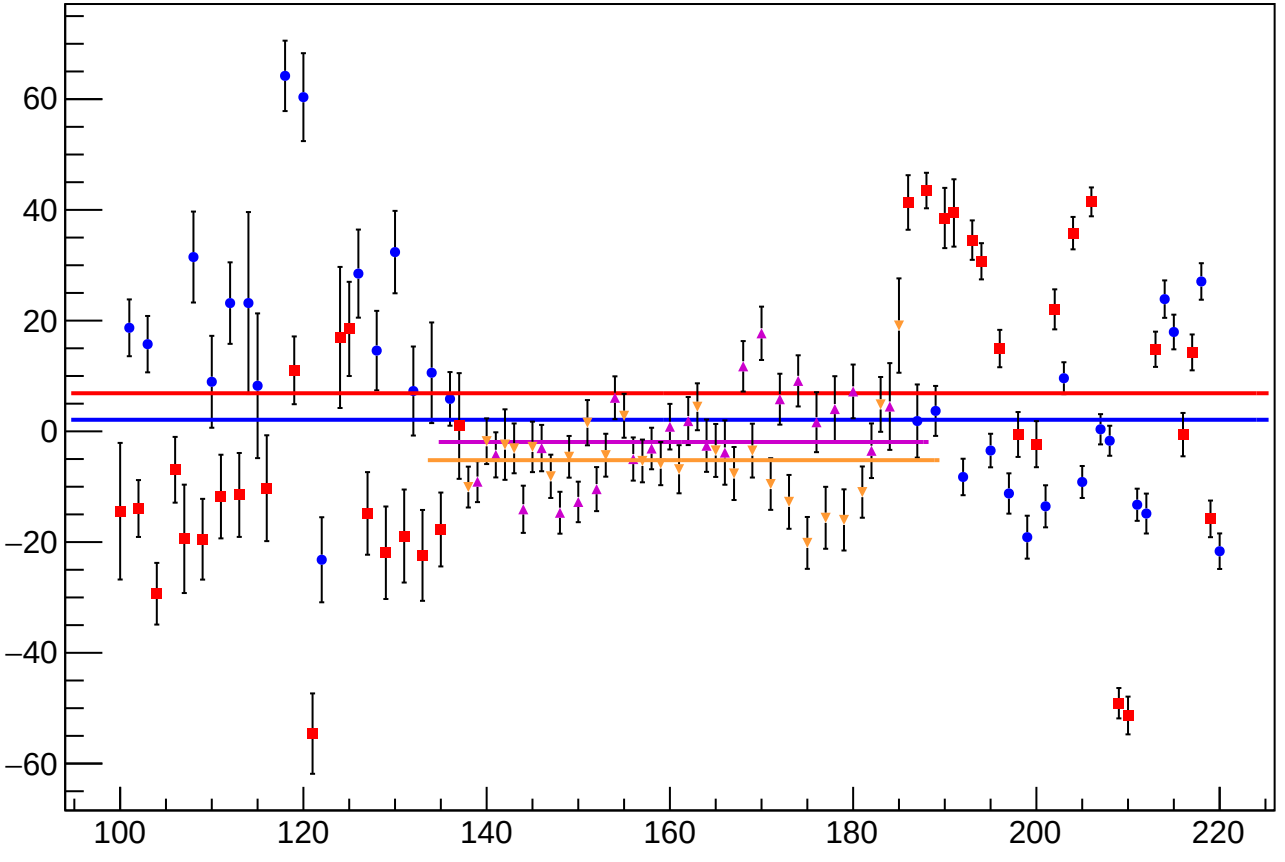
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 74220.829+/-8.416 χ^2/NDF: 2649584.8/57

All: 74233.114+/-5.968 χ^2/NDF: 5082043.1/1

- sign 74245.542+/-8.465 χ^2/NDF: 2432454.0/59

diff_bpm0r05Y_mean vs Slug



Right In: 2.092+/-0.729 χ^2/NDF: 560.9/32

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

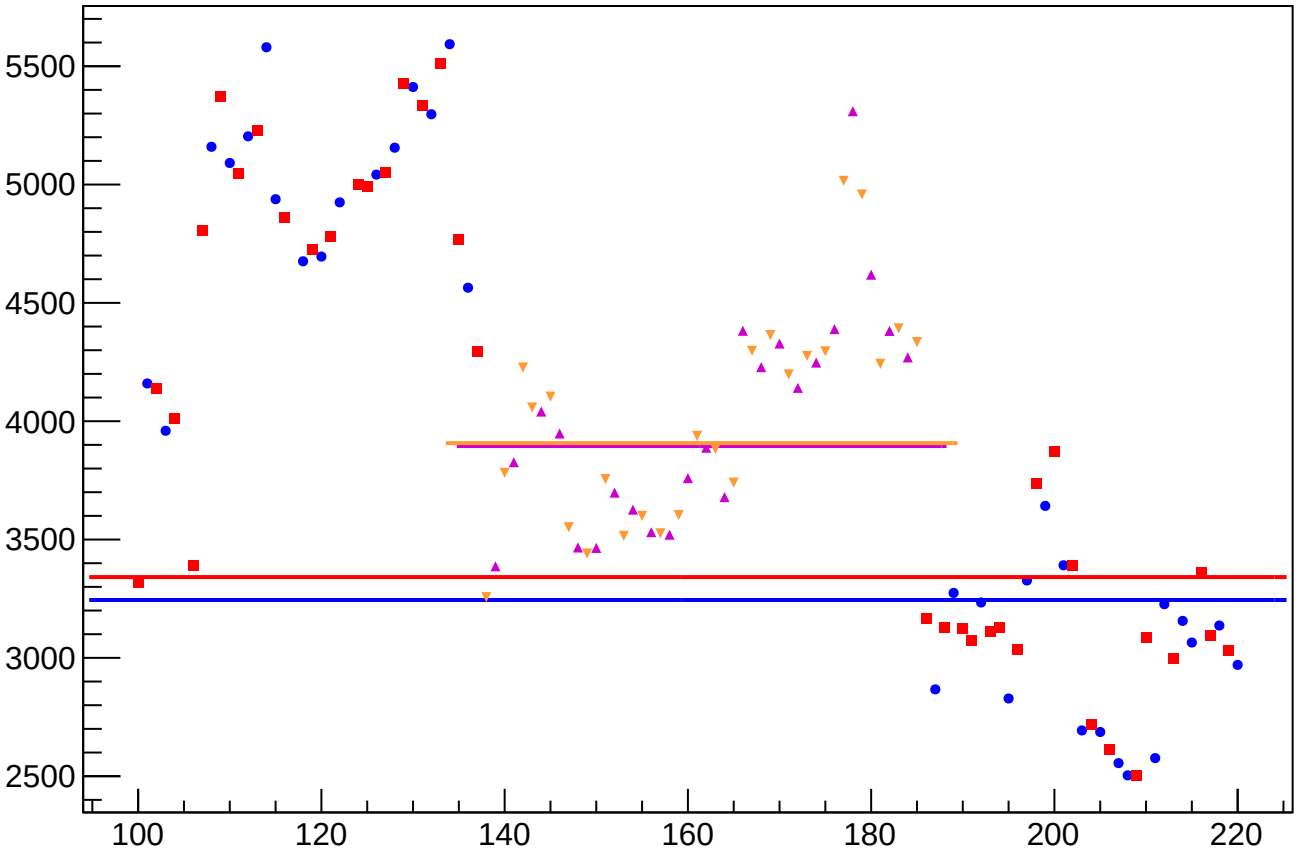
Right Out: 6.882+/-0.740 χ^2/NDF: 1664.0/36

Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -0.822+/-0.565 χ^2/NDF: 651.9/57

All: 1.254+/-0.403 χ^2/NDF: 2482.6/117

- sign 3.408+/-0.576 χ^2/NDF: 1803.1/59



Right In: 3244.627+/-0.515 χ^2/NDF: 2240413.4/32

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3341.408+/-0.523 χ^2/NDF: 2036514.1/36

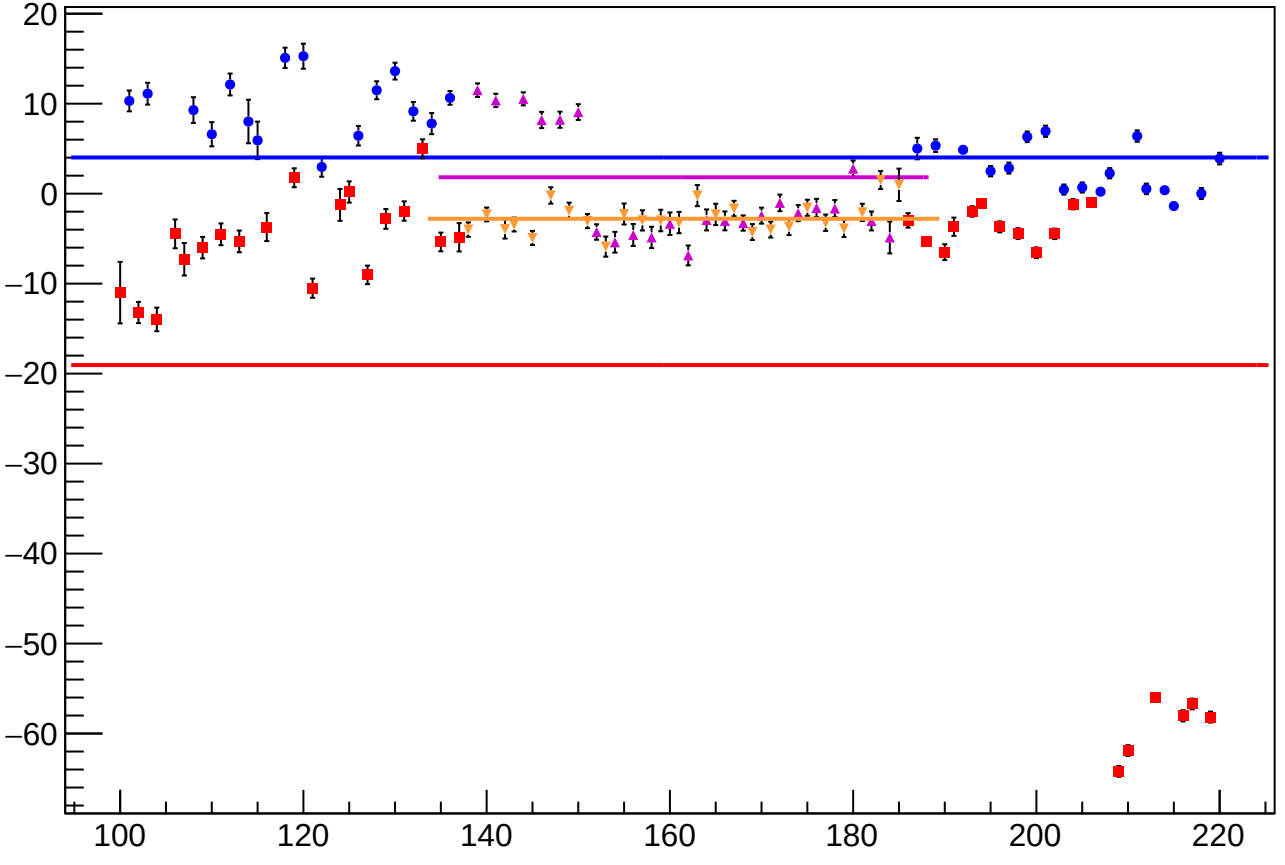
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3509.254+/-0.399 χ^2/NDF: 3342350.5/57

All: 3534.075+/-0.285 χ^2/NDF: 6238867.0/11

- sign 3559.850+/-0.407 χ^2/NDF: 2888641.8/59

diff_bpm2i01X_mean vs Slug



Right In: 4.022+/-0.129 χ^2/NDF: 991.8/32

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -19.050+/-0.128 χ^2/NDF: 38134.9/36

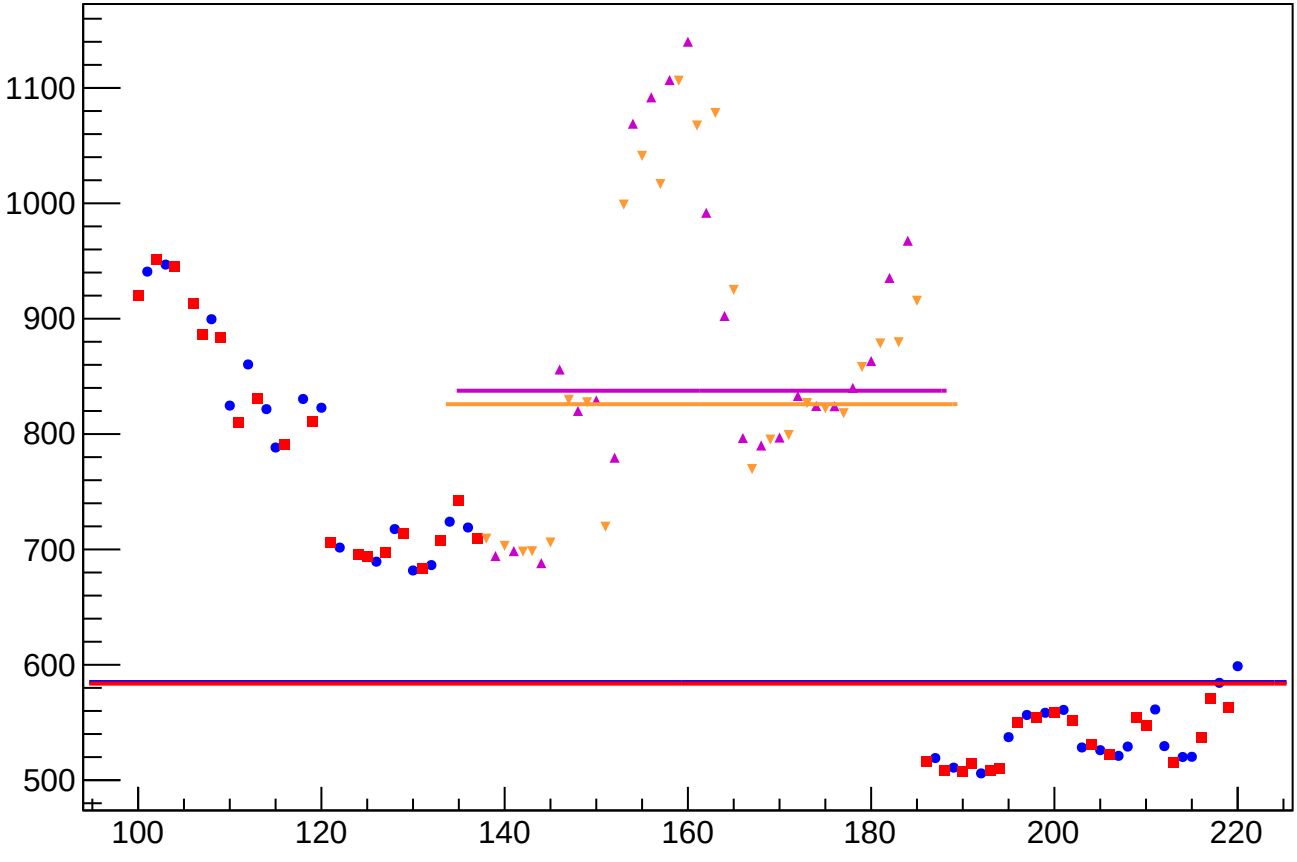
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 1.862+/-0.107 χ^2/NDF: 1938.2/57

All: -5.503+/-0.076 χ^2/NDF: 58444.5/117

- sign -12.922+/-0.107 χ^2/NDF: 46995.3/59

diff_bpm2i01X_rms vs Slug



Right In: 585.057+/-0.092 χ^2/NDF: 1292782.2/32

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 583.691+/-0.090 χ^2/NDF: 1400539.1/36

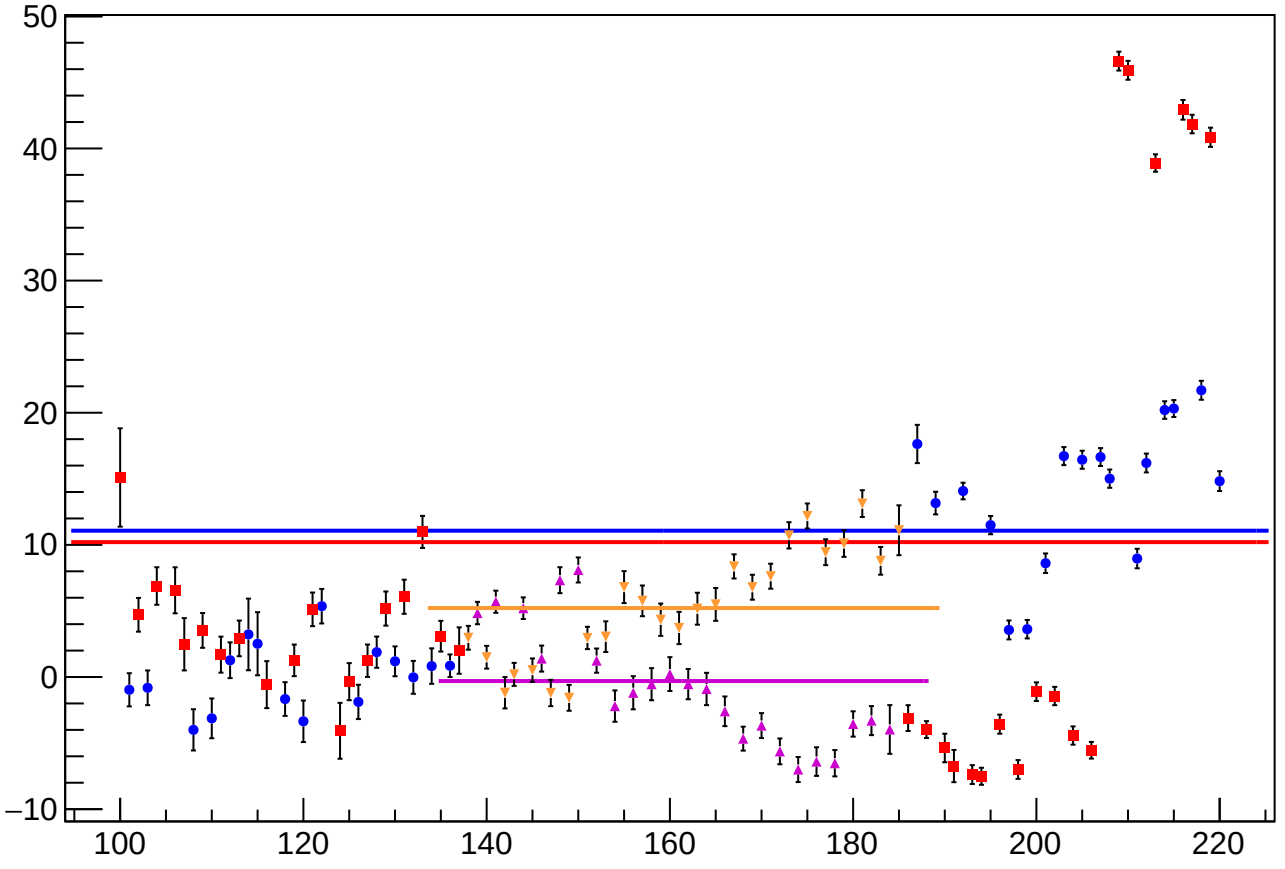
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 661.376+/-0.076 χ^2/NDF: 4251069.2/57

All: 659.814+/-0.054 χ^2/NDF: 8685285.5/117

- sign 658.241+/-0.076 χ^2/NDF: 4433360.9/59

diff_bpm2i01Y_mean vs Slug



Right In: 11.074+/-0.154 χ^2/NDF: 2365.5/32

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

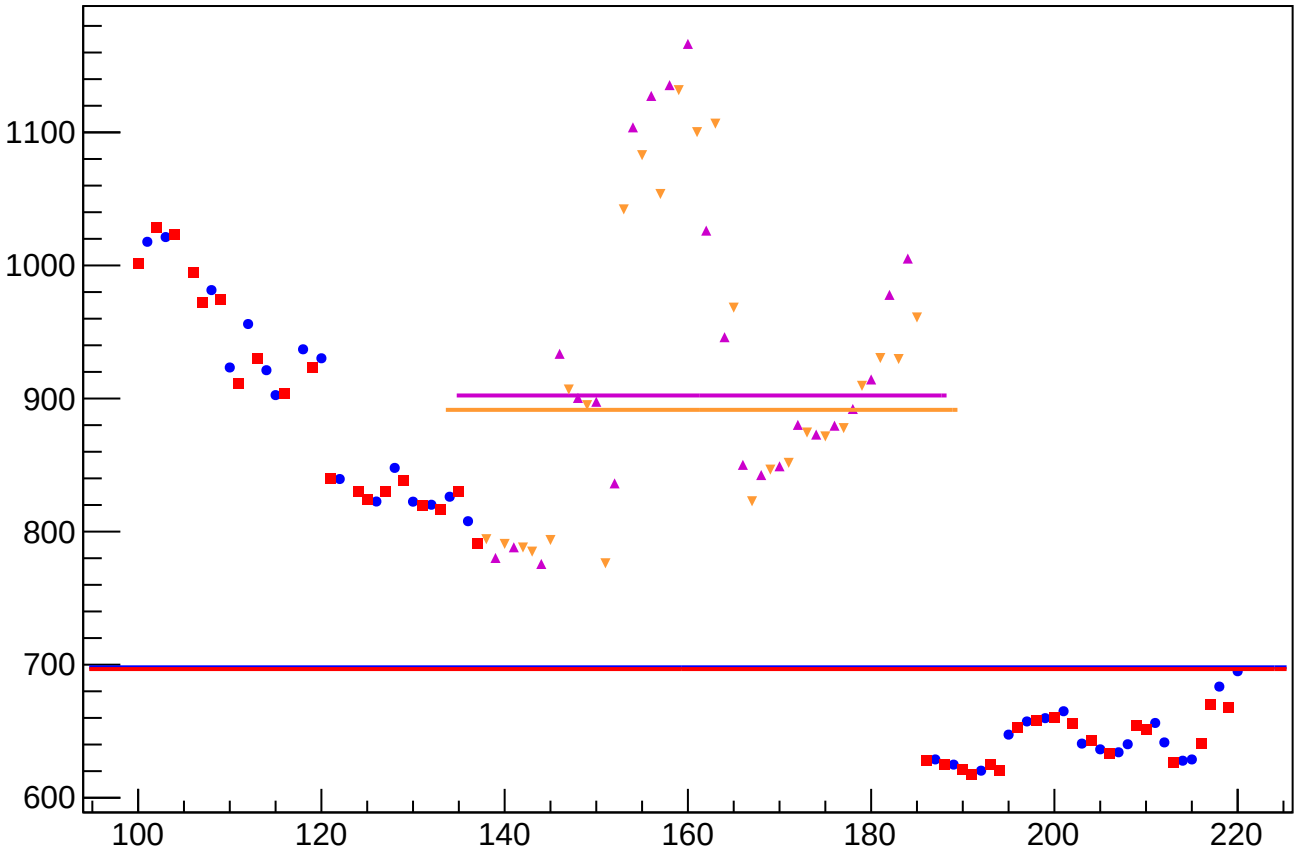
Right Out: 10.209+/-0.152 χ^2/NDF: 18232.5/36

Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

\+ sign 8.956+/-0.123 χ^2/NDF: 3339.3/57

All: 7.814+/-0.087 χ^2/NDF: 23859.4/117

\- sign 6.658+/-0.124 χ^2/NDF: 20346.4/59



Right In: 698.019+/-0.109 χ^2/NDF: 949627.5/32

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 696.708+/-0.107 χ^2/NDF: 1031488.8/36

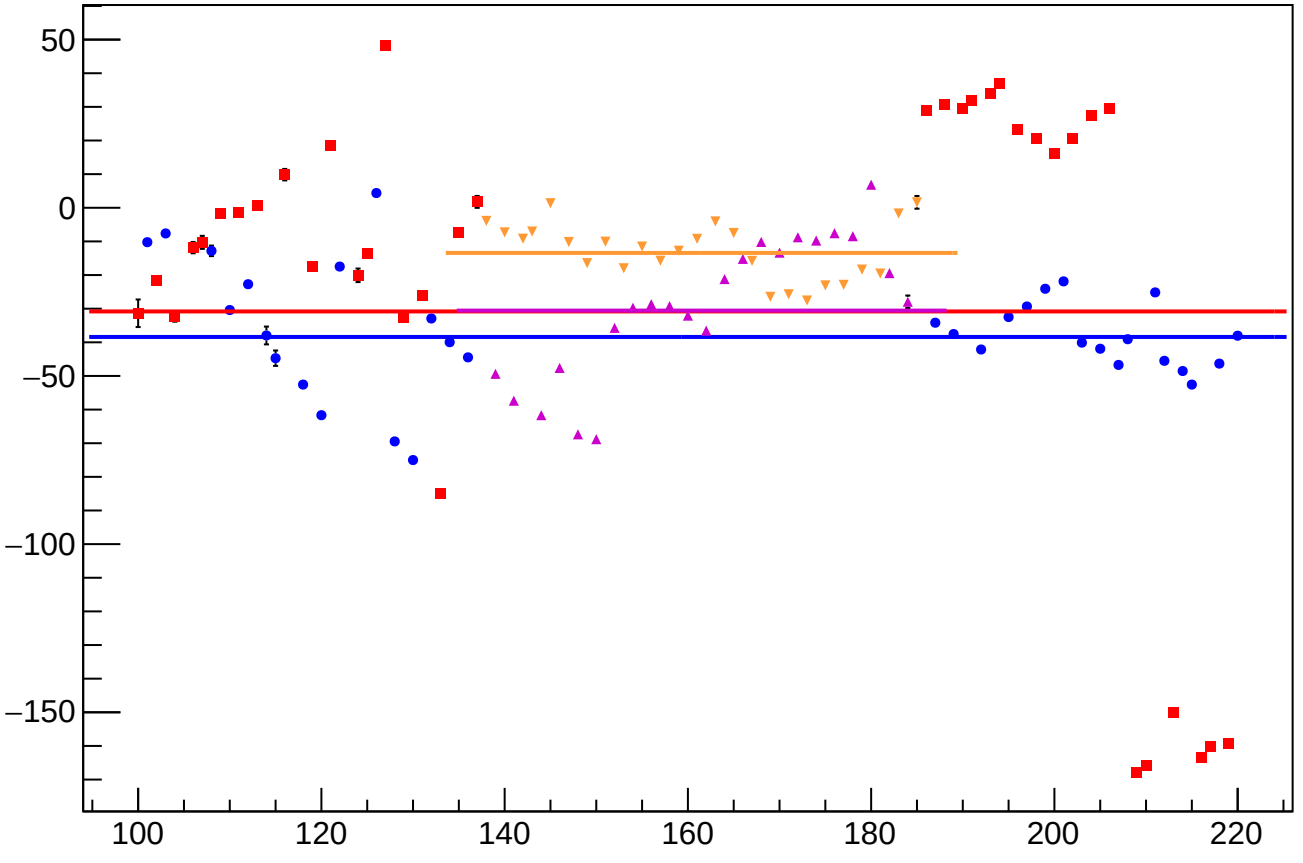
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 767.992+/-0.087 χ^2/NDF: 2611569.9/57

All: 767.073+/-0.062 χ^2/NDF: 5366059.3/117

- sign 766.143+/-0.087 χ^2/NDF: 2754264.5/59

diff_bpm2i02X_mean vs Slug



Right In: -38.405+/-0.152 χ^2/NDF: 7825.2/32

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: -30.821+/-0.150 χ^2/NDF: 286922.4/36

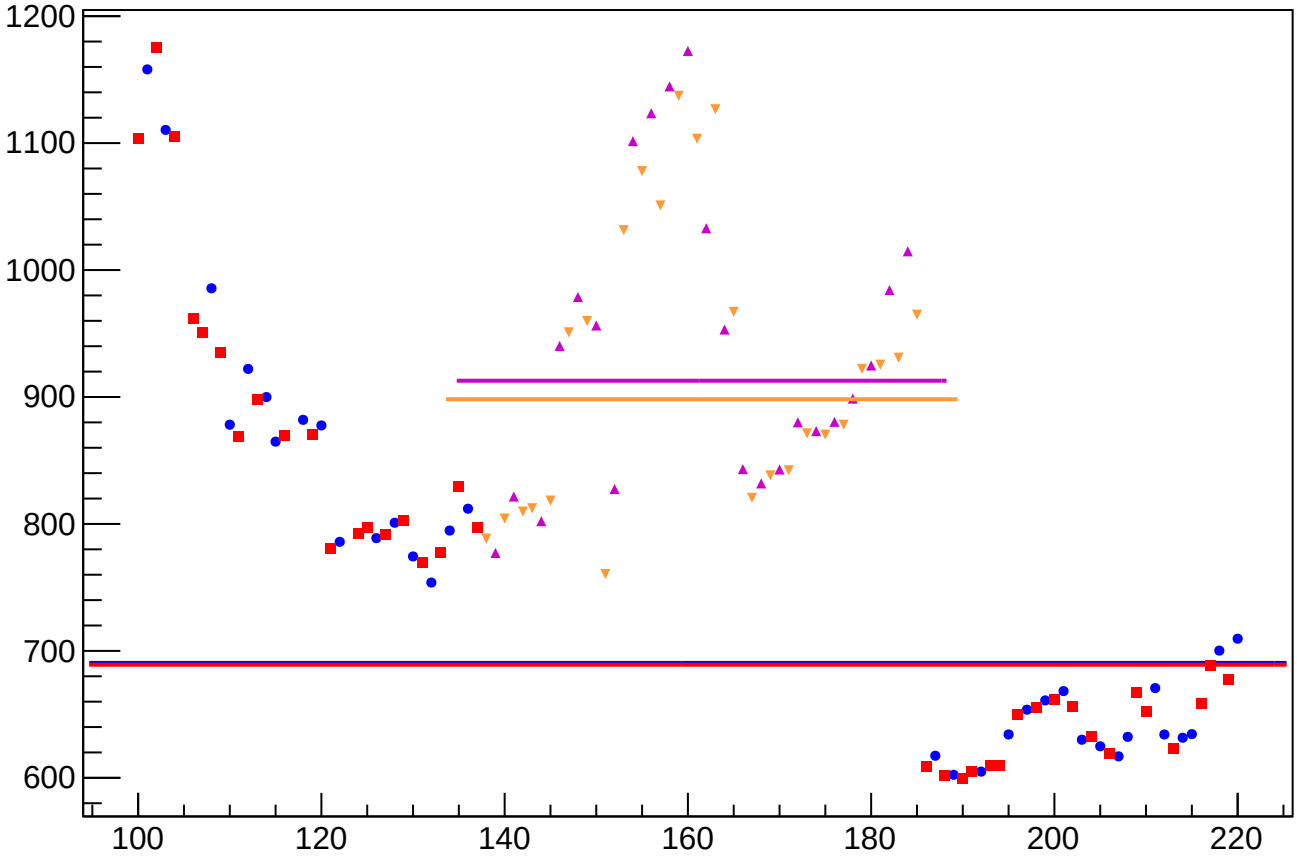
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -29.578+/-0.122 χ^2/NDF: 19005.6/57

All: -30.155+/-0.087 χ^2/NDF: 316360.1/117

- sign -30.739+/-0.123 χ^2/NDF: 297309.8/59

diff_bpm2i02X_rms vs Slug



Right In: 690.536+/-0.108 χ^2/NDF: 990900.9/32

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 689.113+/-0.106 χ^2/NDF: 1063574.1/36

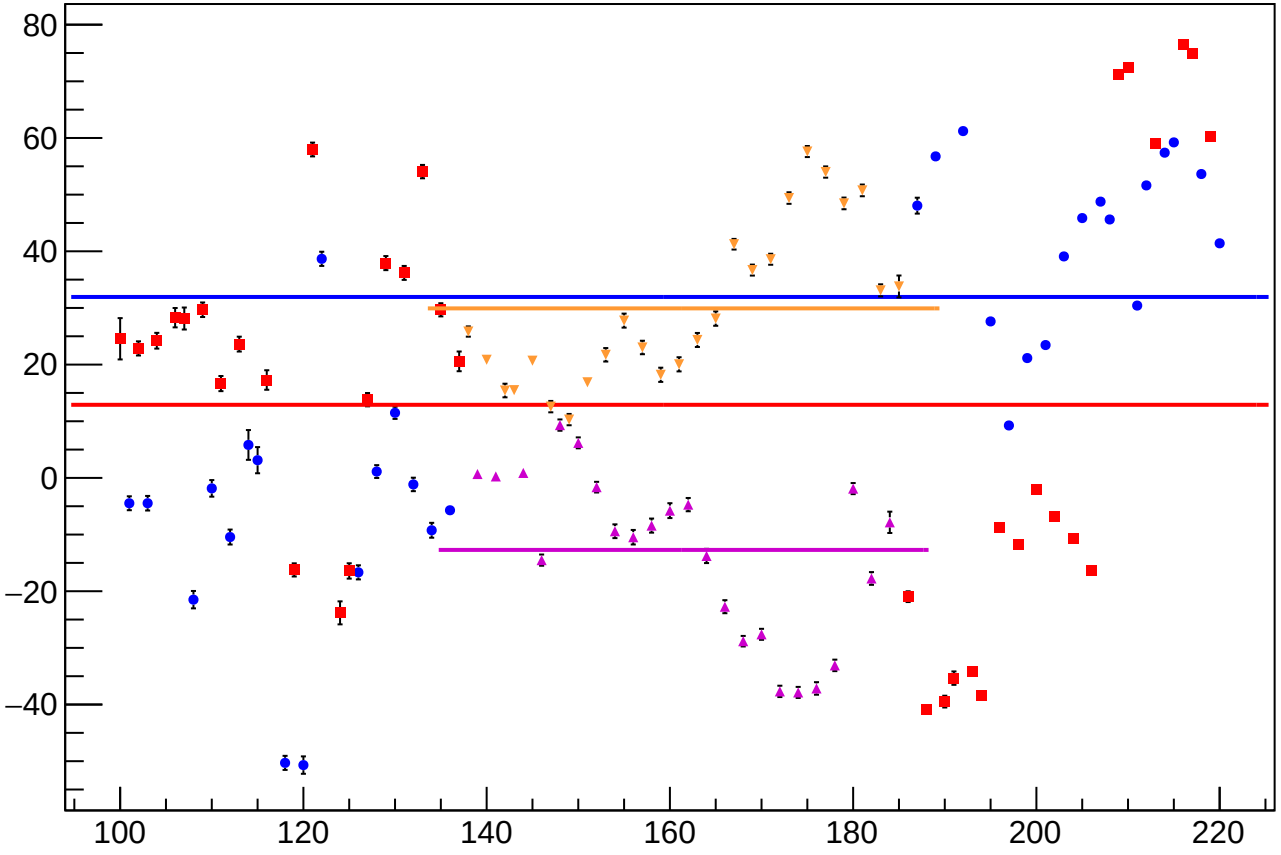
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 763.914+/-0.087 χ^2/NDF: 2824588.4/57

All: 763.174+/-0.061 χ^2/NDF: 5821597.7/117

- sign 762.426+/-0.087 χ^2/NDF: 2996862.4/59

diff_bpm2i02Y_mean vs Slug



Right In: 31.940+/-0.150 χ^2/NDF: 30102.5/32

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: 12.904+/-0.148 χ^2/NDF: 76642.5/36

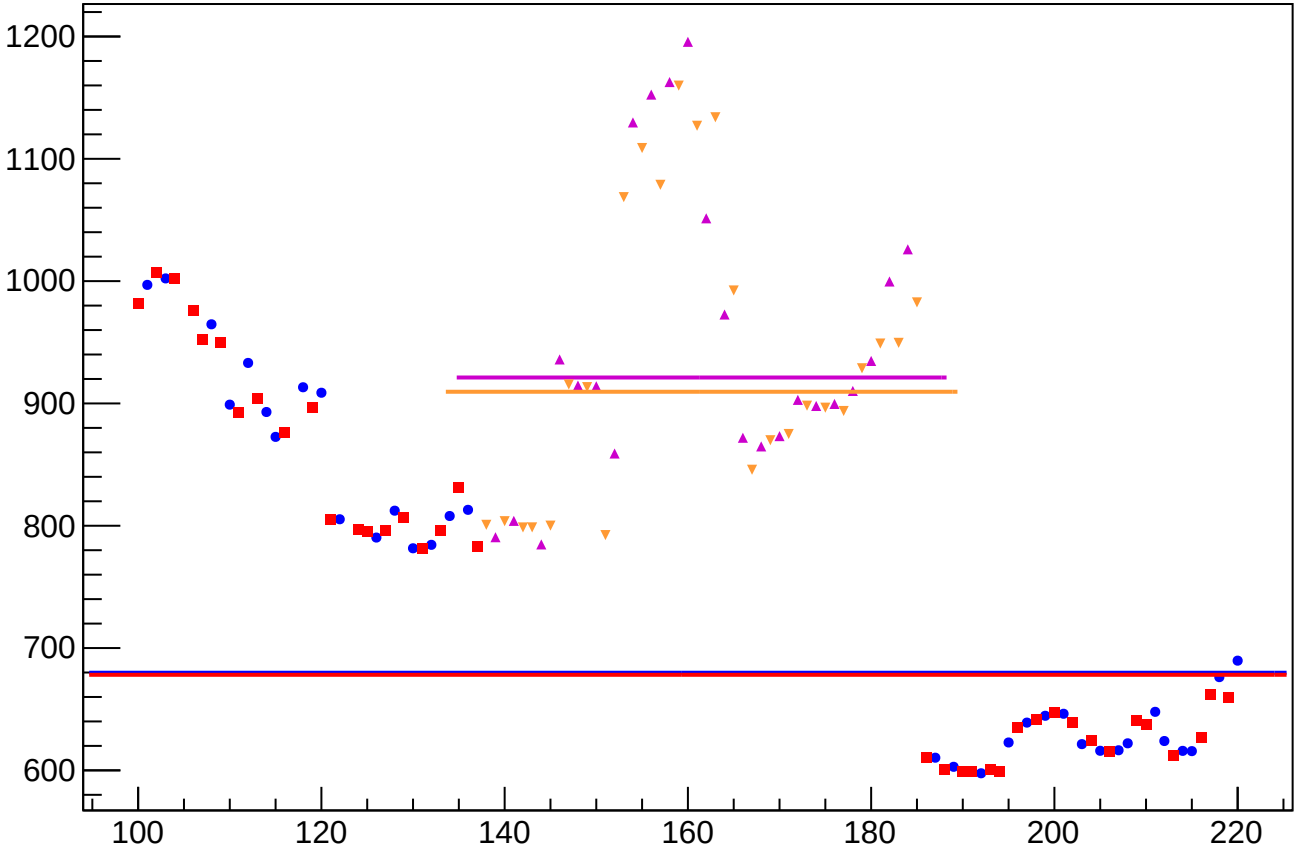
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

\+ sign 31.253+/-0.122 χ^2/NDF: 34744.6/57

All: 18.078+/-0.086 χ^2/NDF: 149232.0/117

\- sign 4.794+/-0.122 χ^2/NDF: 90941.9/59

diff_bpm2i02Y_rms vs Slug



Right In: 679.820+/-0.106 χ^2/NDF: 966194.6/32

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

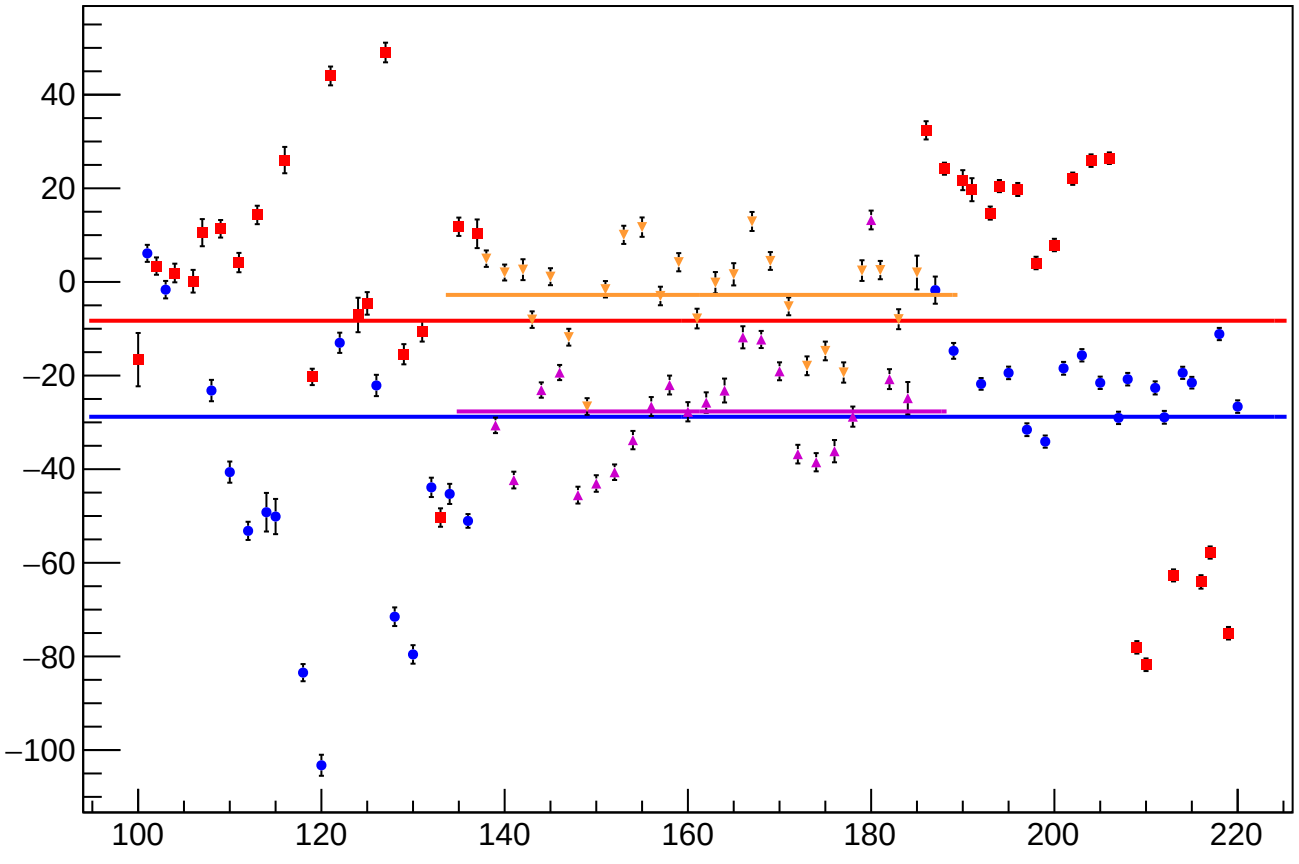
Right Out: 678.138+/-0.105 χ^2/NDF: 1044538.2/36

Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 758.014+/-0.086 χ^2/NDF: 3108652.7/57

All: 756.563+/-0.061 χ^2/NDF: 6363785.8/117

- sign 755.101+/-0.086 χ^2/NDF: 3254562.6/59



Right In: -28.801+/-0.280 χ^2/NDF: 5106.7/32

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: -8.286+/-0.277 χ^2/NDF: 20328.9/36

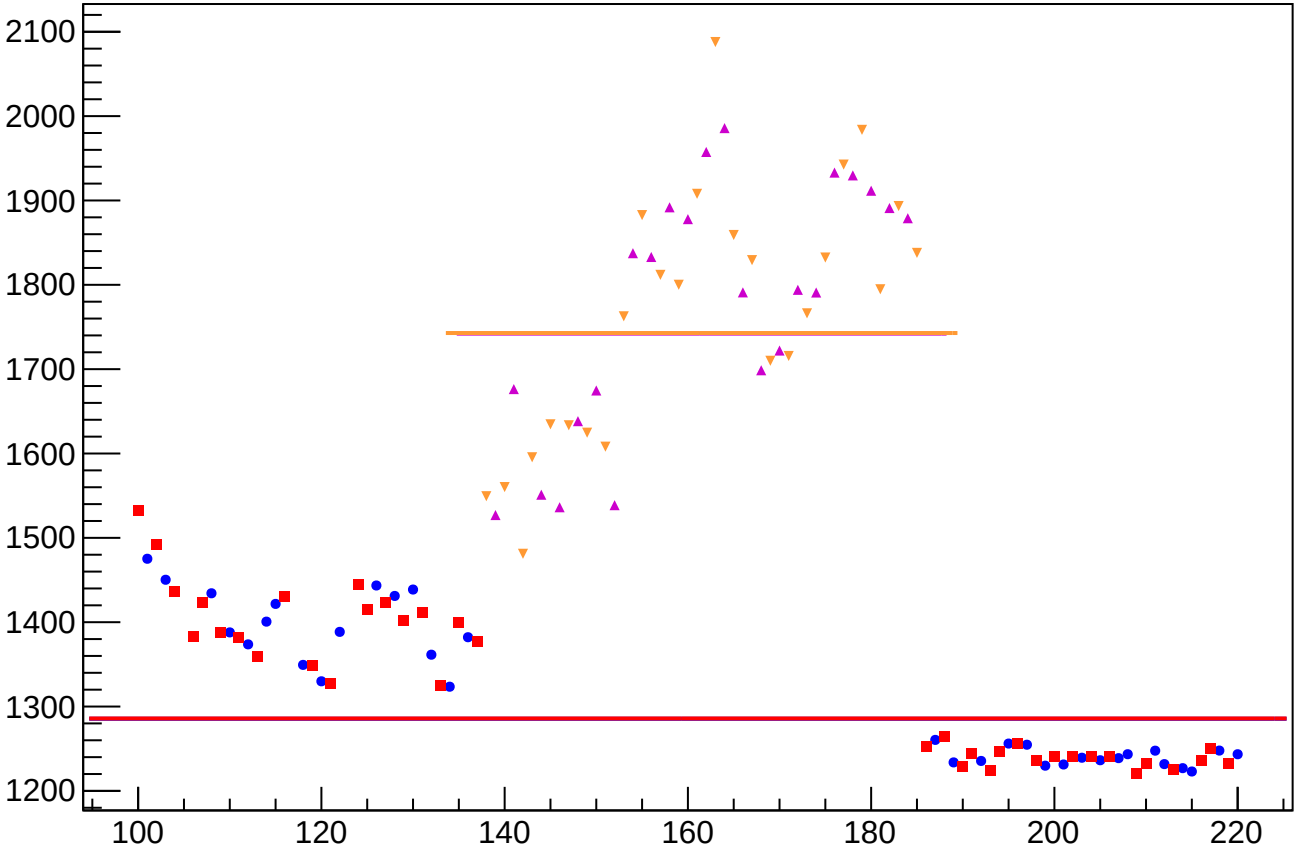
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -20.146+/-0.229 χ^2/NDF: 8587.5/57

All: -17.275+/-0.162 χ^2/NDF: 31759.6/117

\- sign -14.395+/-0.229 χ^2/NDF: 22857.7/59

diff_bpm0i02X_rms vs Slug



Right In: 1285.518+/-0.198 χ^2/NDF: 151329.9/32

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1285.847+/-0.196 χ^2/NDF: 150609.1/36

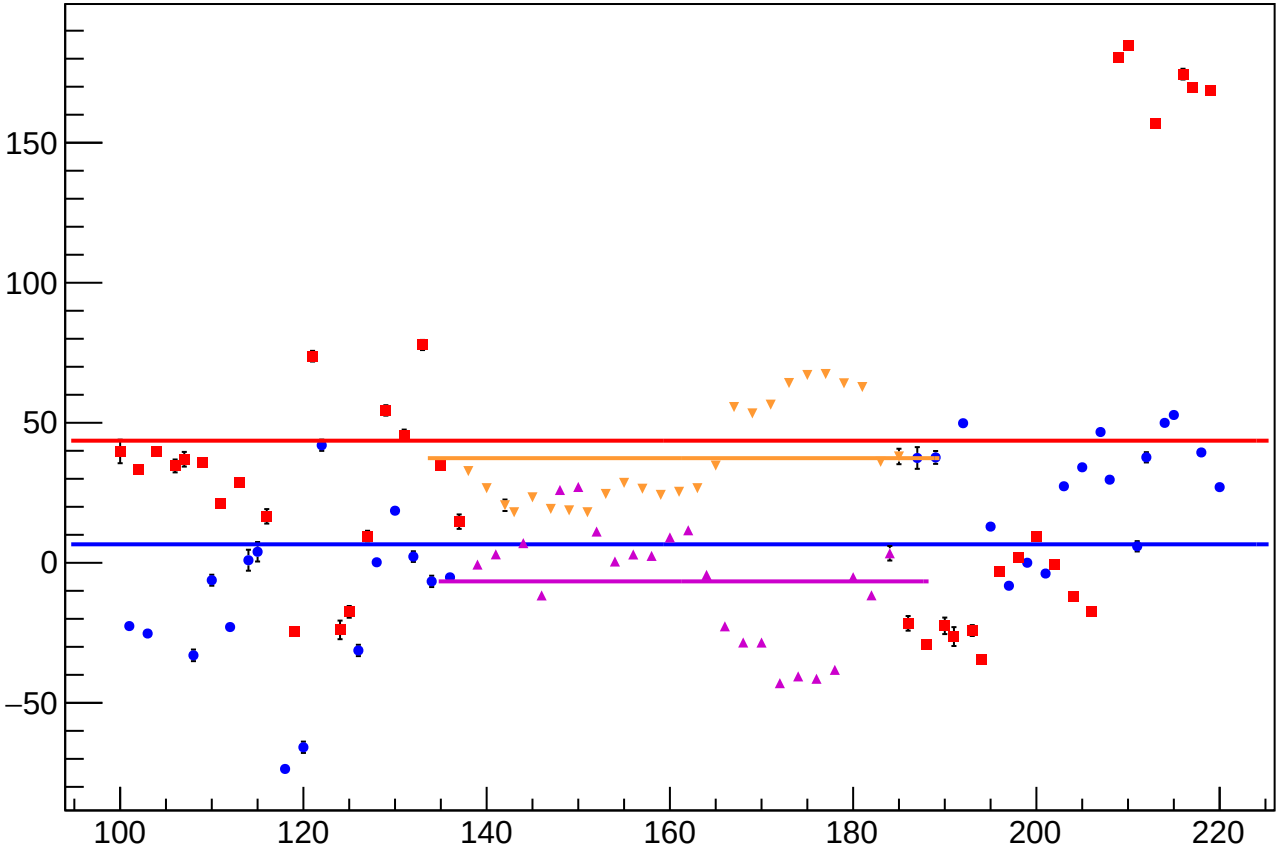
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1437.567+/-0.162 χ^2/NDF: 2182388.1/57

All: 1433.644+/-0.115 χ^2/NDF: 4302621.8/11

- sign 1429.709+/-0.162 χ^2/NDF: 2119059.8/59

diff_bpm0i02Y_mean vs Slug



Right In: 6.605+/-0.316 χ^2/NDF: 10178.7/32

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 43.611+/-0.311 χ^2/NDF: 49056.0/36

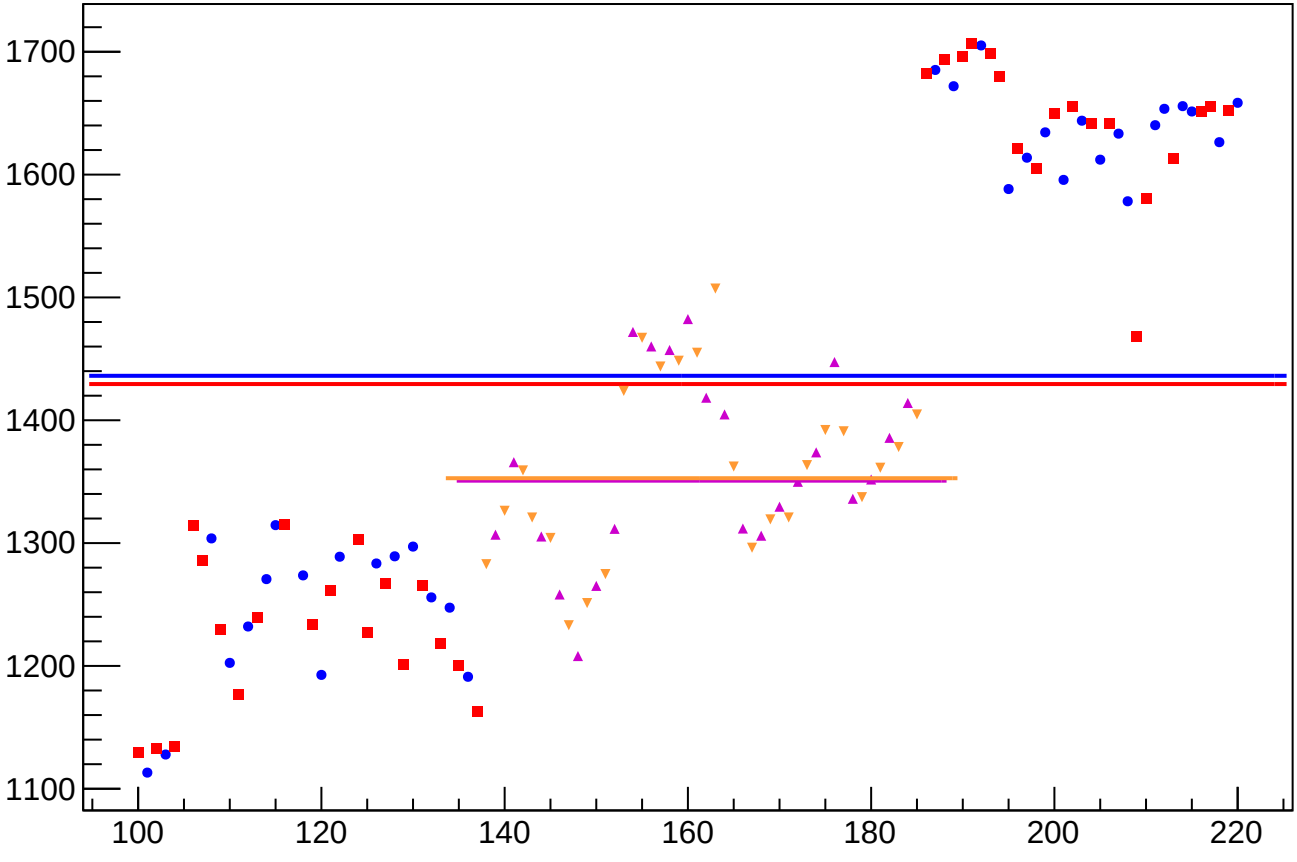
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

\+ sign 22.401+/-0.221 χ^2/NDF: 18432.6/57

All: 20.644+/-0.156 χ^2/NDF: 84850.1/117

\- sign 18.868+/-0.222 χ^2/NDF: 66289.8/59

diff_bpm0i02Y_rms vs Slug



Right In: 1436.198+/-0.224 χ^2/NDF: 893824.8/32

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

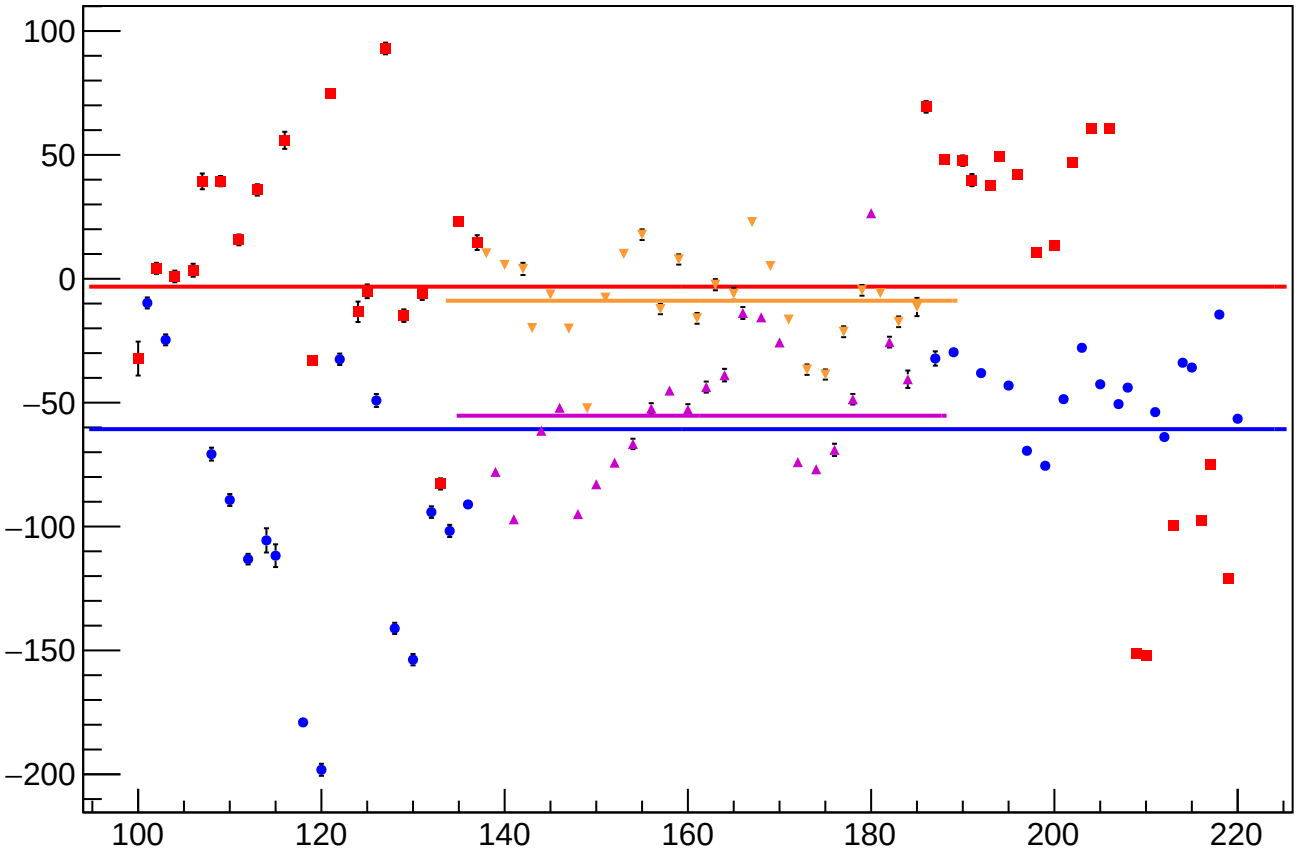
Right Out: 1429.482+/-0.220 χ^2/NDF: 965508.0/36

Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1393.386+/-0.156 χ^2/NDF: 1070041.3/57

All: 1392.074+/-0.111 χ^2/NDF: 2207163.4/11

- sign 1390.748+/-0.157 χ^2/NDF: 1136979.8/59



Right In: -60.698+/-0.317 χ^2/NDF: 15702.7/32

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: -3.178+/-0.310 χ^2/NDF: 50722.2/36

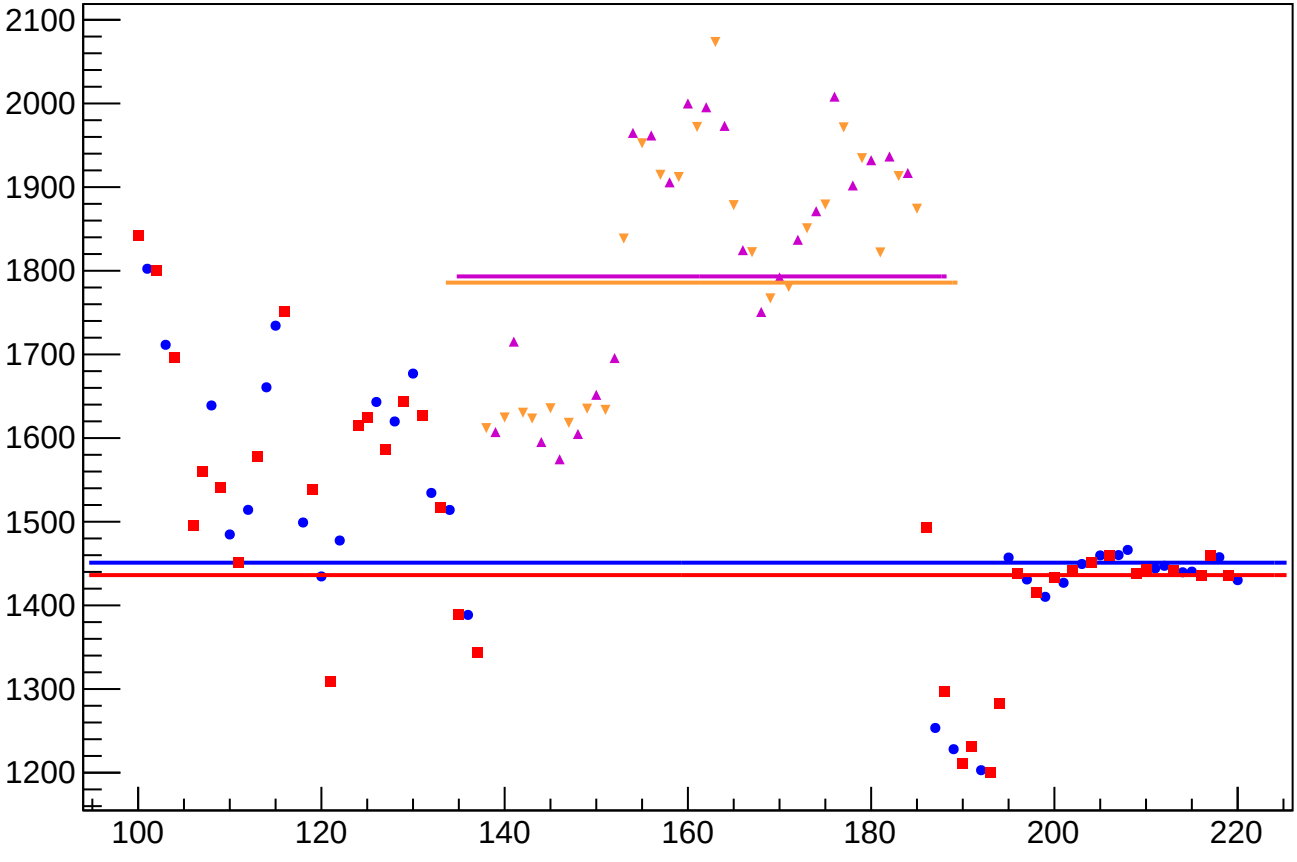
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -41.126+/-0.250 χ^2/NDF: 27744.8/57

All: -31.323+/-0.177 χ^2/NDF: 96199.8/117

- sign -21.555+/-0.250 χ^2/NDF: 65390.1/59

diff_bpm0i02aX_rms vs Slug



Right In: 1451.036+/-0.224 χ^2/NDF: 282459.2/32

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1436.196+/-0.220 χ^2/NDF: 331455.5/36

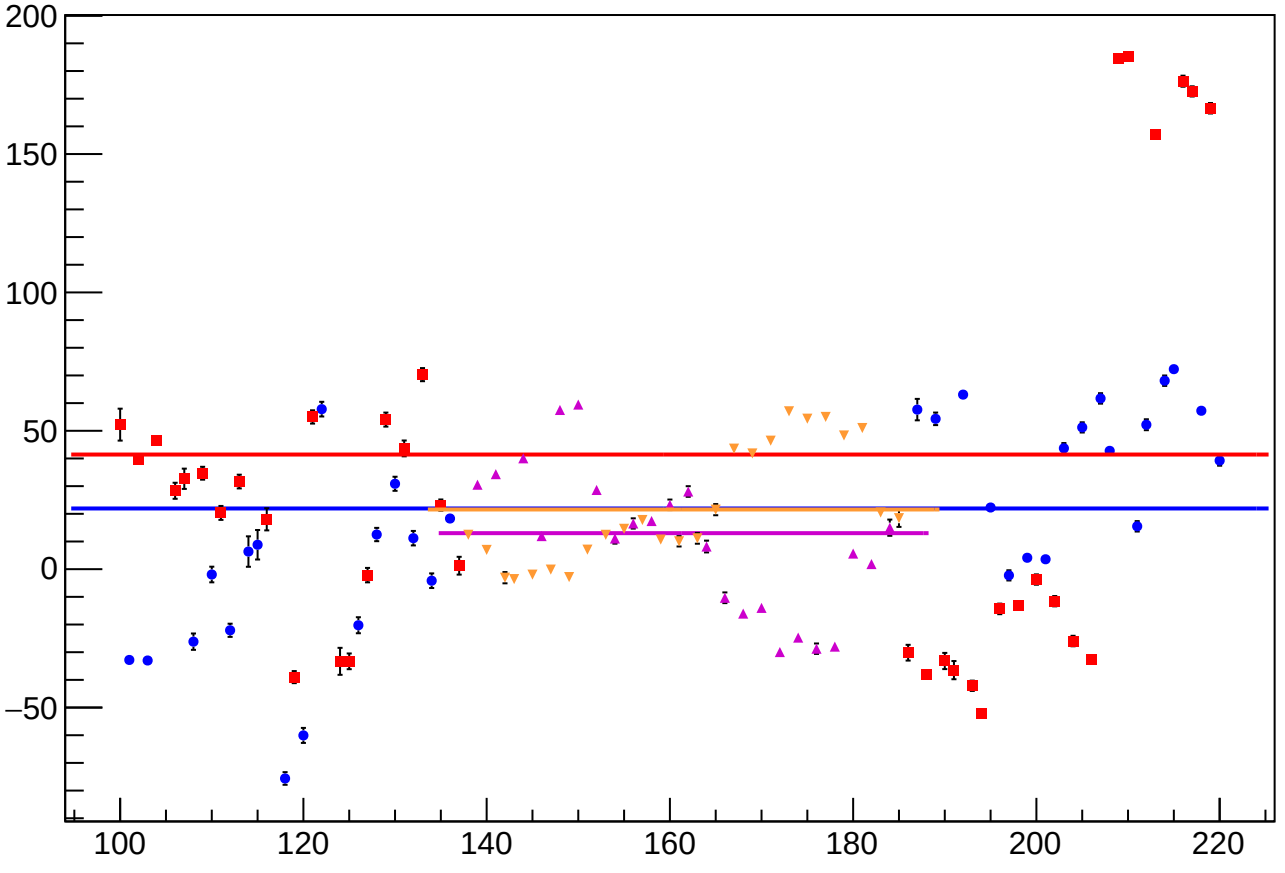
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1577.442+/-0.177 χ^2/NDF: 1361353.0/57

All: 1569.790+/-0.125 χ^2/NDF: 2882683.3/11

- sign 1562.165+/-0.177 χ^2/NDF: 1517595.5/59

diff_bpm0i02aY_mean vs Slug



Right In: 21.933+/-0.366 χ^2/NDF: 10211.3/32

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: 41.421+/-0.358 χ^2/NDF: 51603.4/36

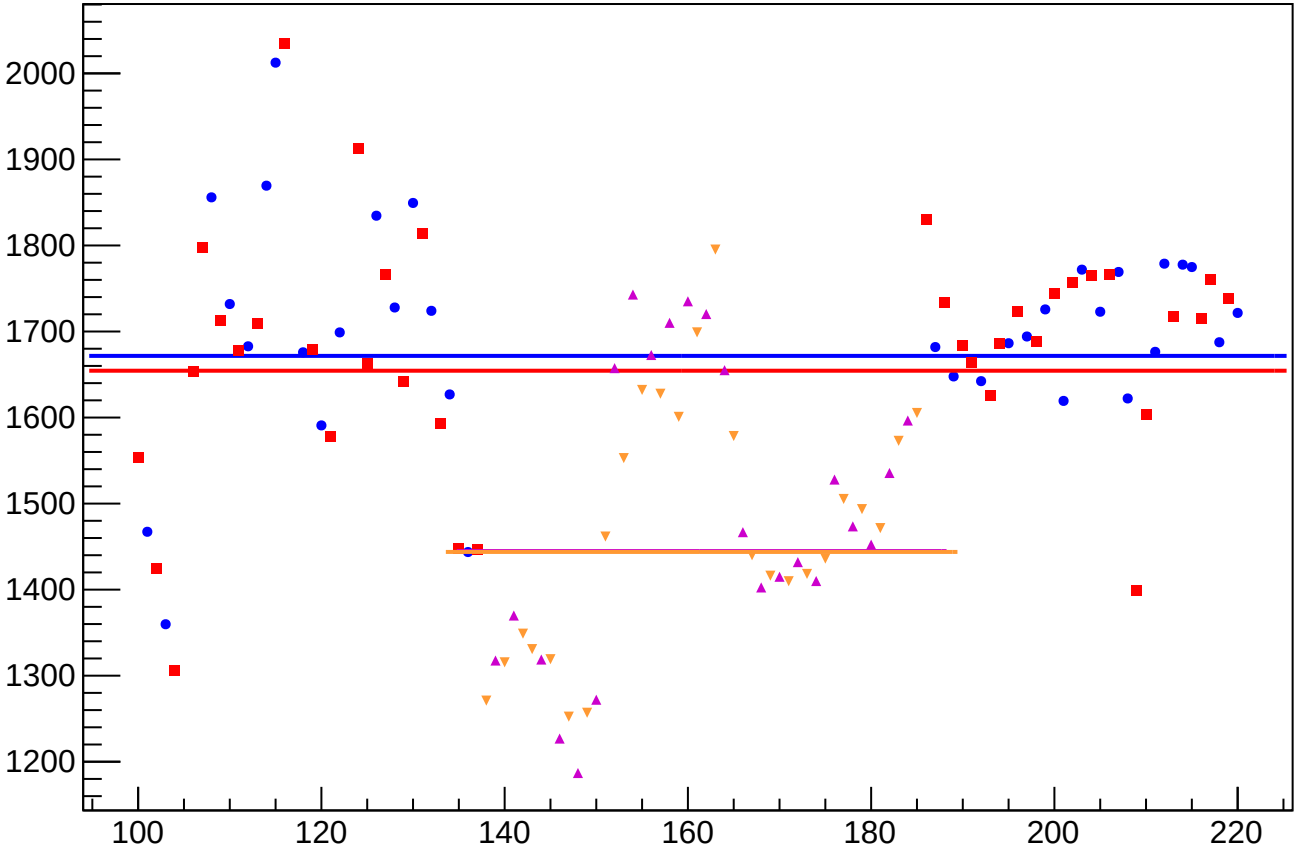
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

\+ sign 21.731+/-0.245 χ^2/NDF: 14372.6/57

All: 24.097+/-0.174 χ^2/NDF: 76103.2/117

\- sign 26.494+/-0.246 χ^2/NDF: 61542.7/59

diff_bpm0i02aY_rms vs Slug



Right In: 1671.673+/-0.258 χ^2/NDF: 212743.9/32

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1654.432+/-0.253 χ^2/NDF: 295176.4/36

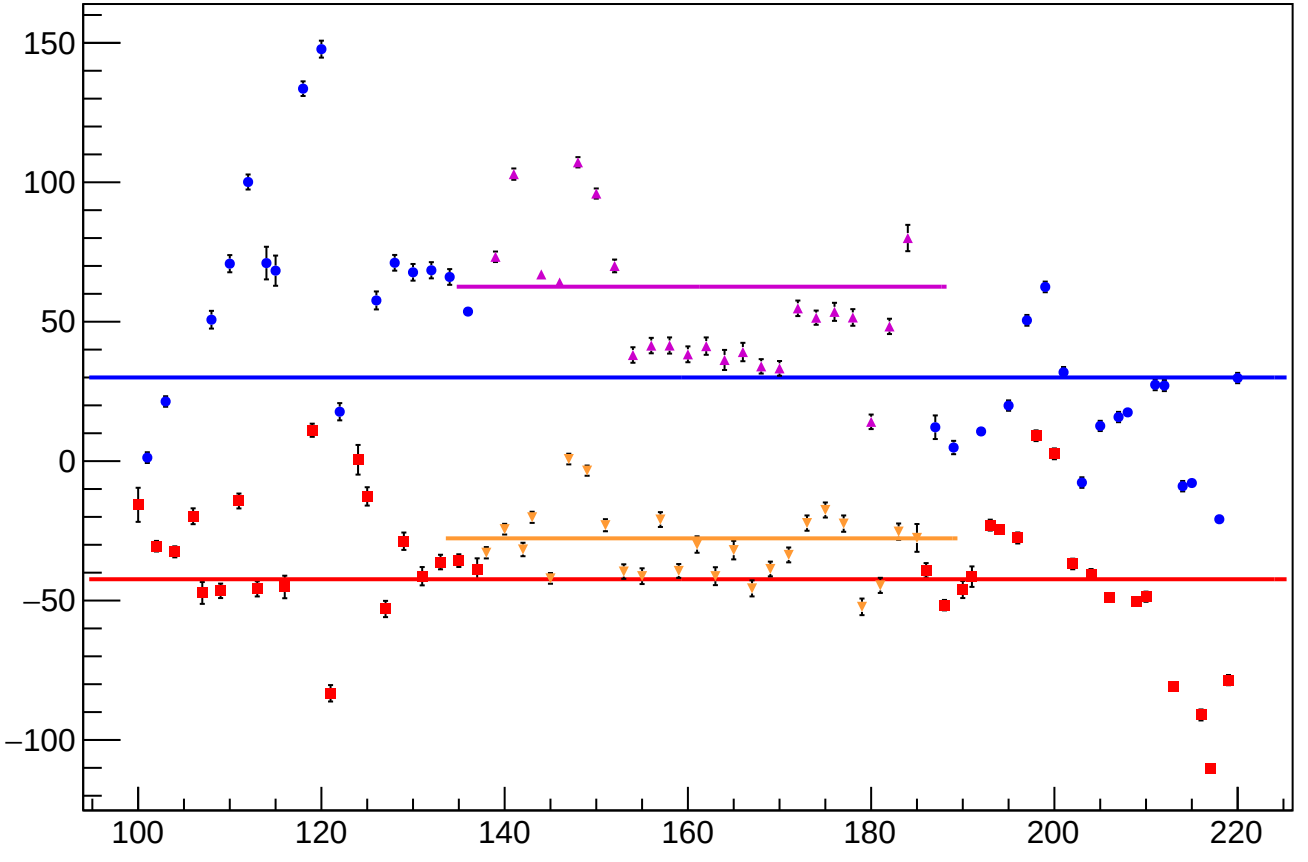
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1546.108+/-0.173 χ^2/NDF: 993352.8/57

All: 1545.201+/-0.123 χ^2/NDF: 2134463.1/11

- sign 1544.282+/-0.174 χ^2/NDF: 1141055.1/59

diff_bpm0i05X_mean vs Slug



Right In: 30.008+/-0.385 χ^2/NDF: 8239.2/32

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -42.357+/-0.376 χ^2/NDF: 5650.1/36

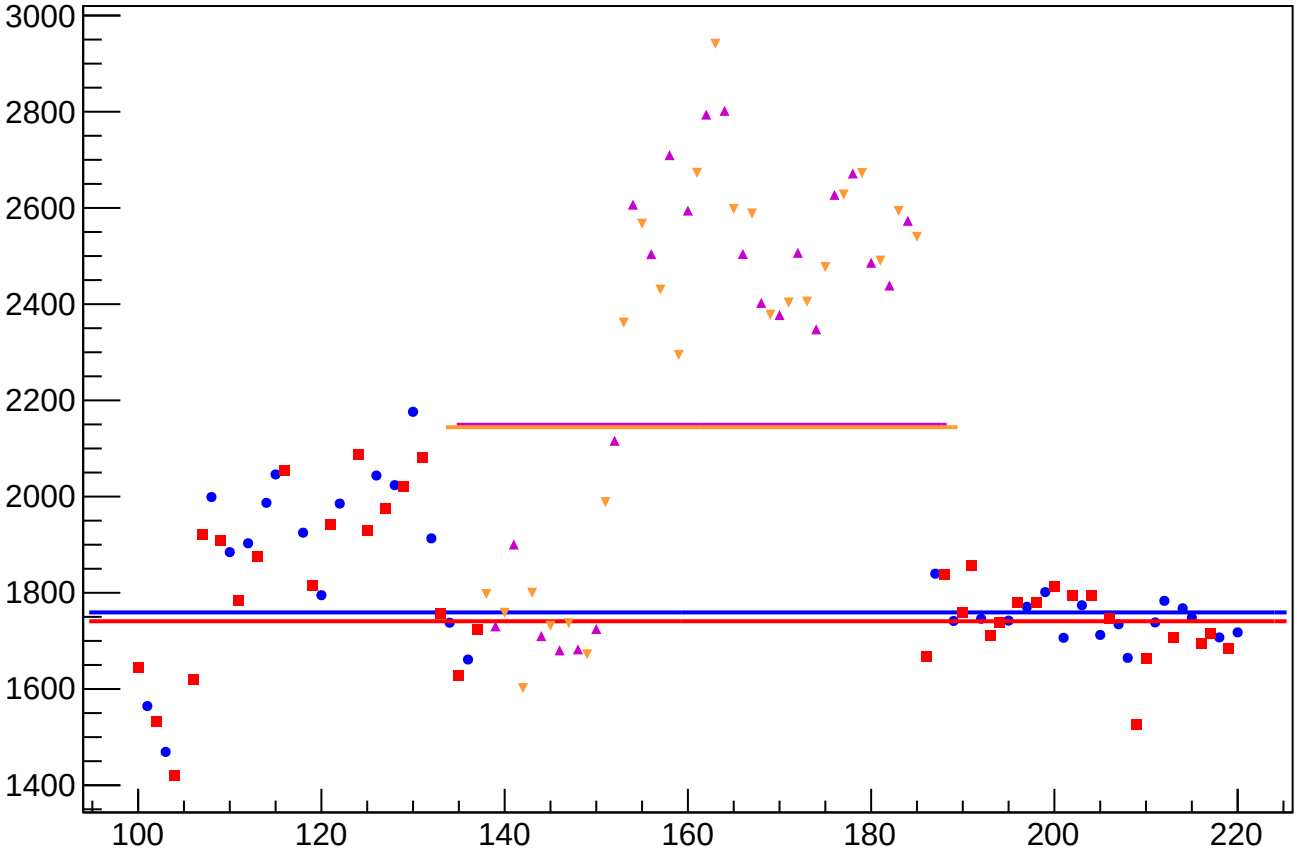
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 8.351+/-0.304 χ^2/NDF: 17457.8/57

All: 1.380+/-0.215 χ^2/NDF: 53902.0/117

- sign -5.554+/-0.303 χ^2/NDF: 35394.6/59

diff_bpm0i05X_rms vs Slug



Right In: 1759.268+/-0.272 χ^2/NDF: 213652.8/32

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1740.870+/-0.266 χ^2/NDF: 250593.0/36

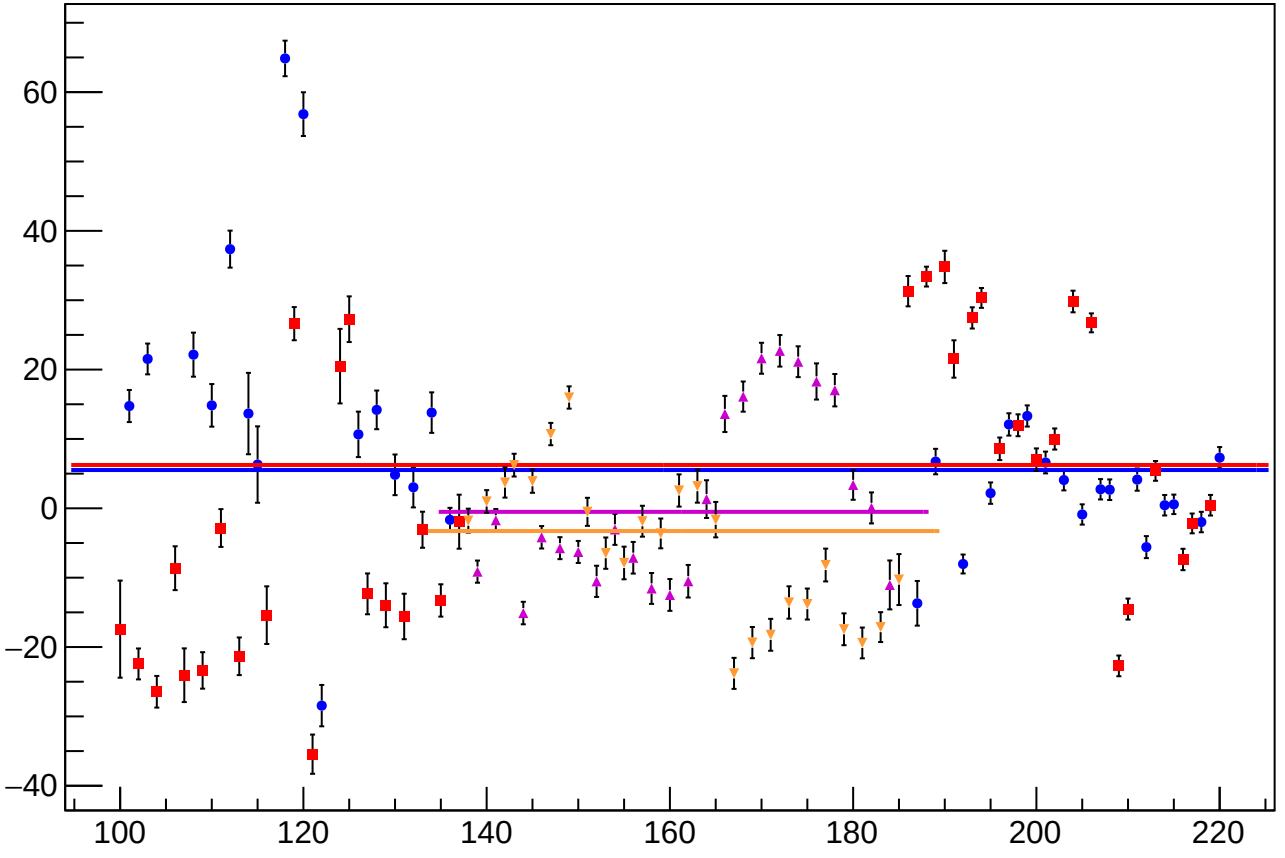
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1903.756+/-0.215 χ^2/NDF: 2245946.4/57

All: 1893.933+/-0.152 χ^2/NDF: 4593710.5/11

- sign 1884.162+/-0.214 χ^2/NDF: 2343595.8/59

diff_bpm0i05Y_mean vs Slug



Right In: 5.519+/-0.331 χ^2/NDF: 1528.8/32

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 6.250+/-0.326 χ^2/NDF: 3602.7/36

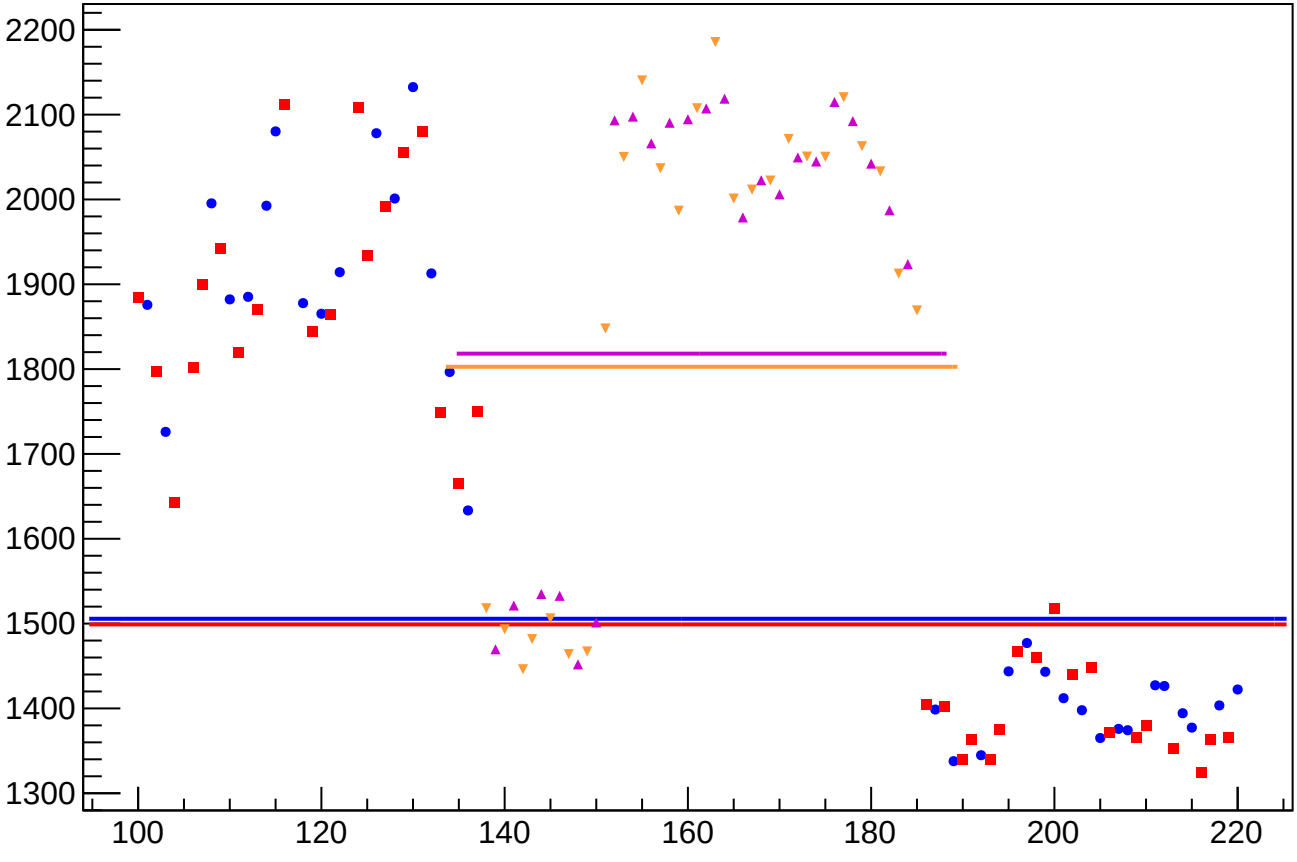
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 2.092+/-0.259 χ^2/NDF: 2474.5/57

All: 2.933+/-0.183 χ^2/NDF: 7001.2/117

- sign 3.780+/-0.260 χ^2/NDF: 4505.5/59

diff_bpm0i05Y_rms vs Slug



Right In: 1505.687+/-0.234 χ^2/NDF: 790472.9/32

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1499.042+/-0.231 χ^2/NDF: 806635.7/36

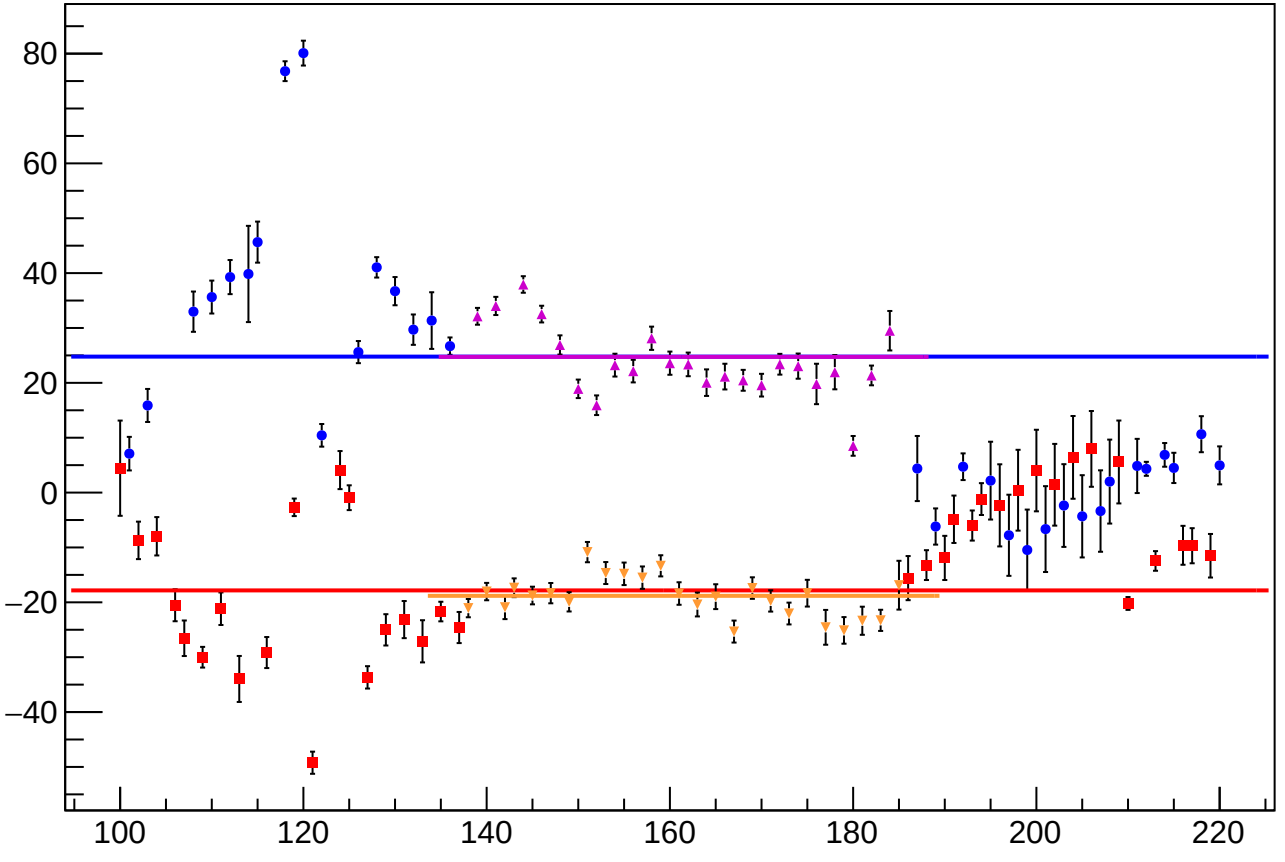
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1621.445+/-0.183 χ^2/NDF: 2314377.5/57

All: 1618.558+/-0.130 χ^2/NDF: 4661968.3/11

- sign 1615.650+/-0.184 χ^2/NDF: 2347091.4/59

diff_bpm0i07X_mean vs Slug



Right In: 24.781+/-0.488 χ^2/NDF: 2429.0/32

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -17.828+/-0.456 χ^2/NDF: 770.0/36

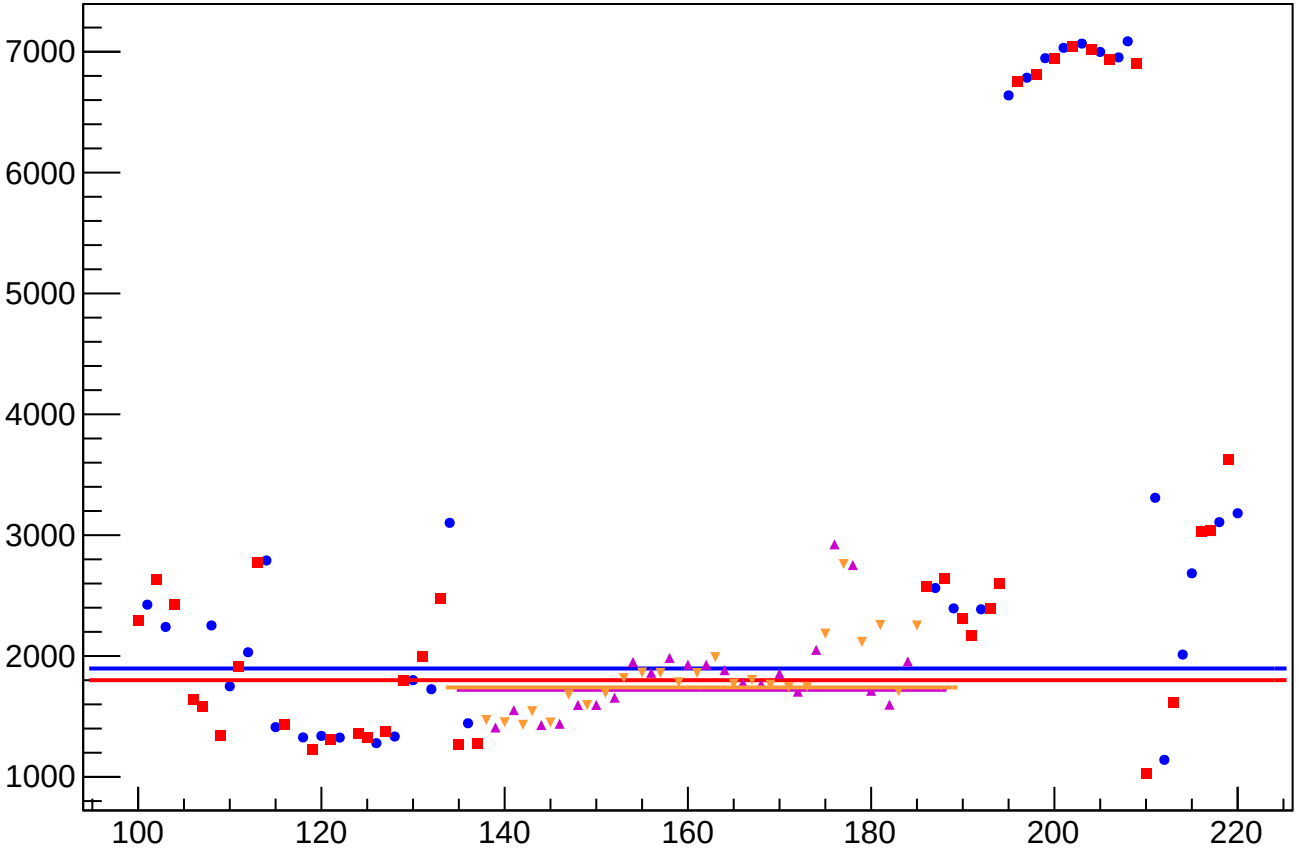
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

\+ sign -1.207+/-0.310 χ^2/NDF: 7256.0/57

All: 2.340+/-0.217 χ^2/NDF: 13425.0/117

\- sign 5.749+/-0.304 χ^2/NDF: 5912.7/59

diff_bpm0i07X_rms vs Slug



Right In: 1896.916+/-0.345 χ^2/NDF: 10318997.0/32

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1800.189+/-0.322 χ^2/NDF: 10500152.6/36

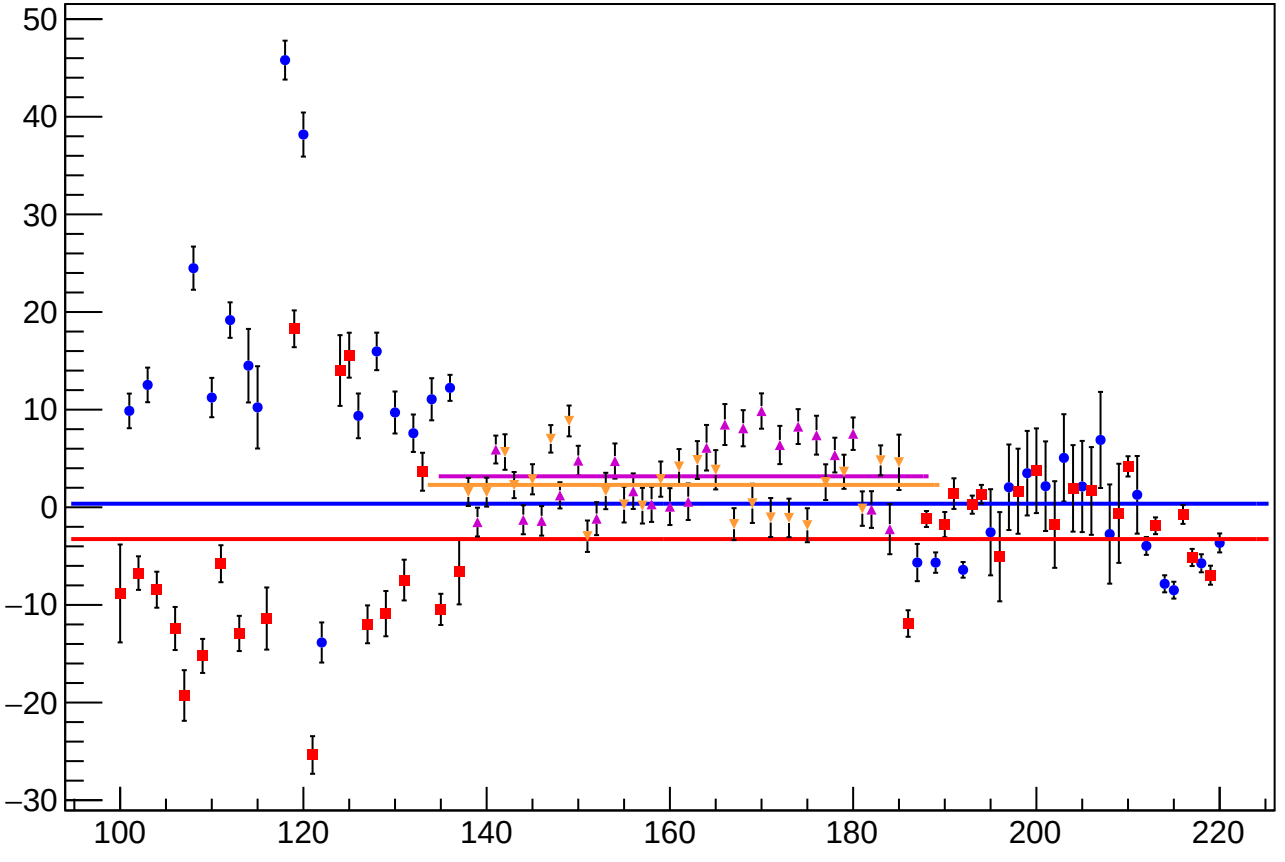
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1803.432+/-0.219 χ^2/NDF: 11195362.4/57

All: 1779.373+/-0.154 χ^2/NDF: 22636676.5/1

- sign 1756.245+/-0.215 χ^2/NDF: 11417735.3/59

diff_bpm0i07Y_mean vs Slug



Right In: 0.365+/-0.275 χ^2/NDF: 1812.9/32

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -3.256+/-0.253 χ^2/NDF: 754.9/36

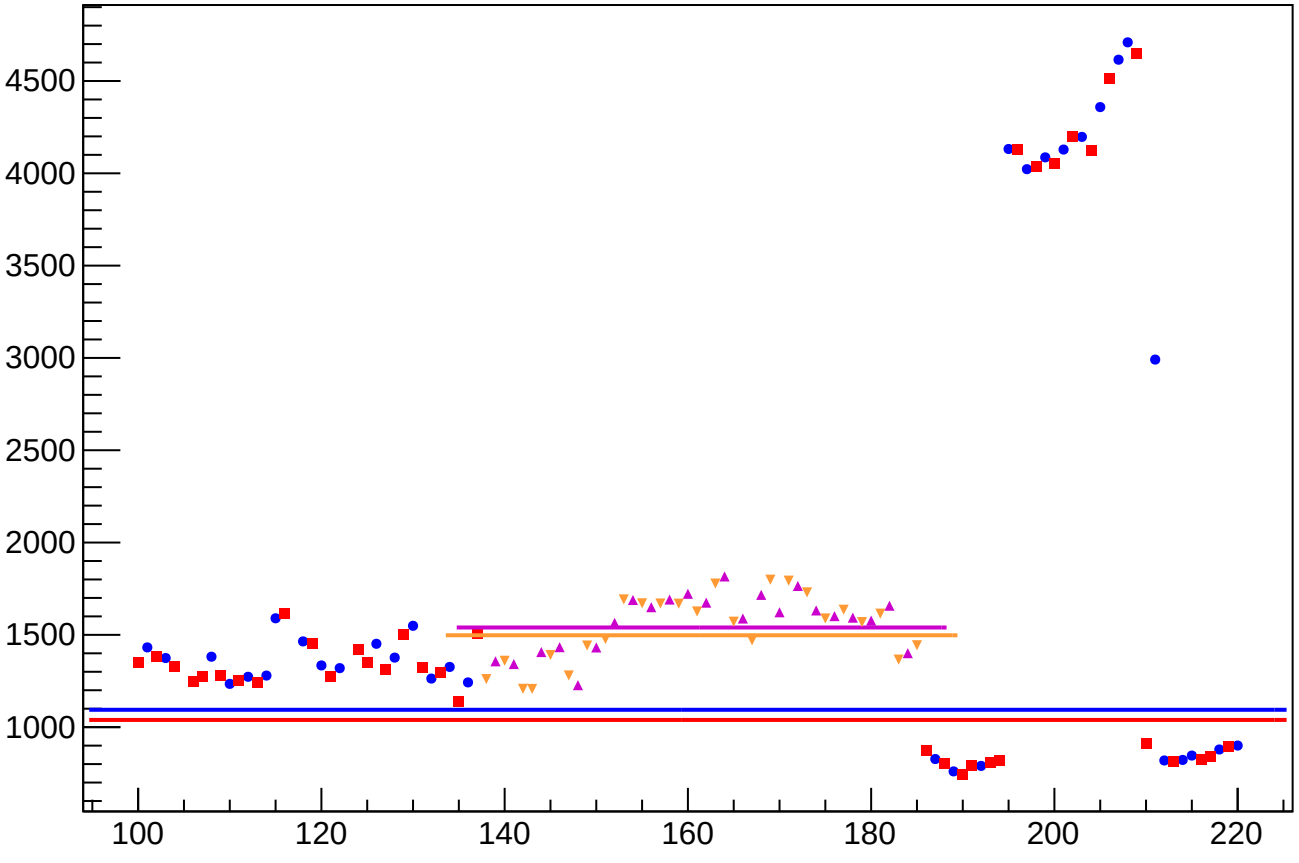
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 1.120+/-0.215 χ^2/NDF: 1905.6/57

All: -0.055+/-0.149 χ^2/NDF: 3040.1/117

- sign -1.149+/-0.207 χ^2/NDF: 1076.8/59

diff_bpm0i07Y_rms vs Slug



Right In: 1094.162+/-0.195 χ^2/NDF: 9936211.6/32

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1039.199+/-0.179 χ^2/NDF: 8749312.1/36

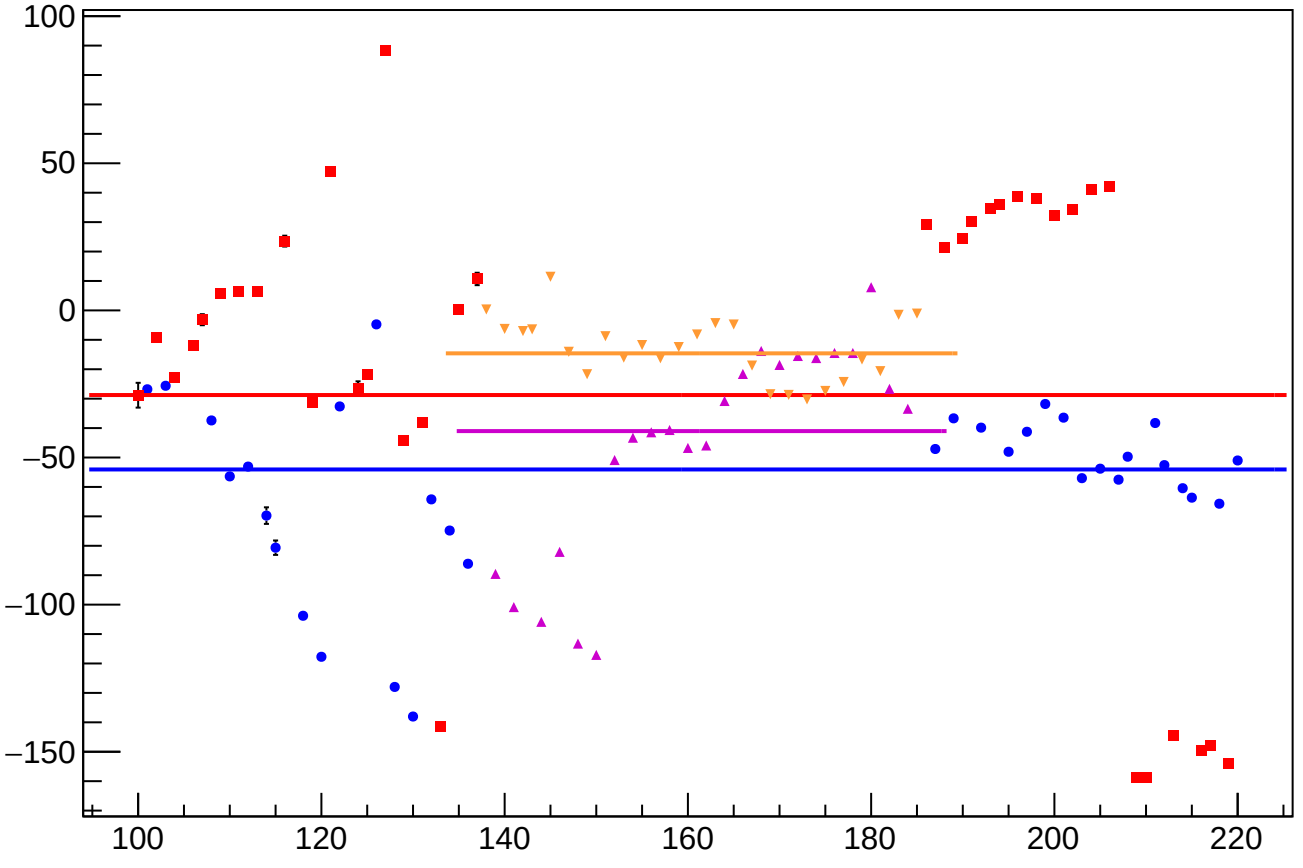
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1252.059+/-0.152 χ^2/NDF: 12185459.0/57

All: 1226.801+/-0.106 χ^2/NDF: 23934706.0/1

- sign 1203.249+/-0.147 χ^2/NDF: 11695831.1/59

diff_bpm1i02X_mean vs Slug



Right In: -54.060+/-0.154 χ^2/NDF: 18949.3/32

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: -28.766+/-0.153 χ^2/NDF: 301233.1/36

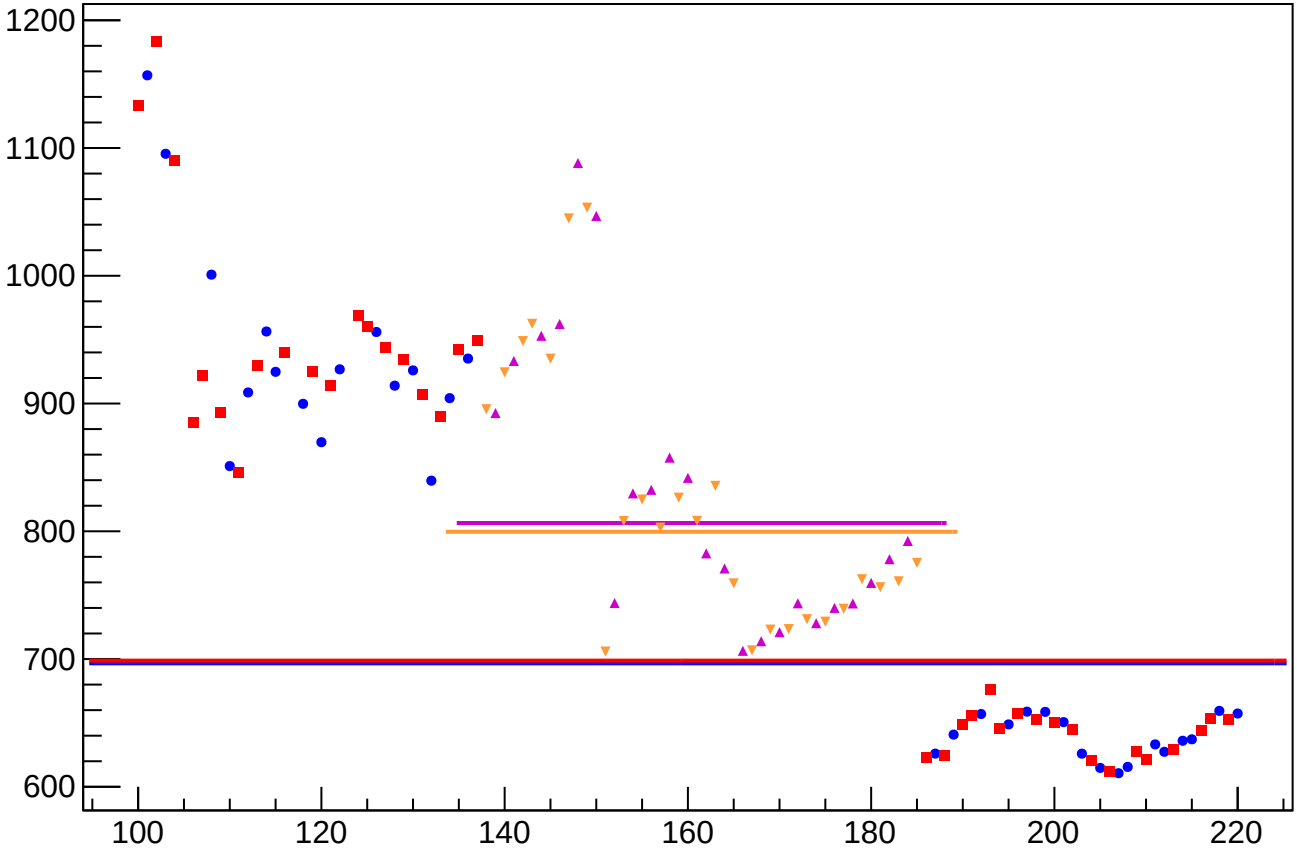
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -37.676+/-0.118 χ^2/NDF: 49319.5/57

All: -35.652+/-0.084 χ^2/NDF: 384743.8/117

- sign -33.588+/-0.119 χ^2/NDF: 334829.0/59

diff_bpm1i02X_rms vs Slug



Right In: 696.663+/-0.109 χ^2/NDF: 1299375.7/32

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

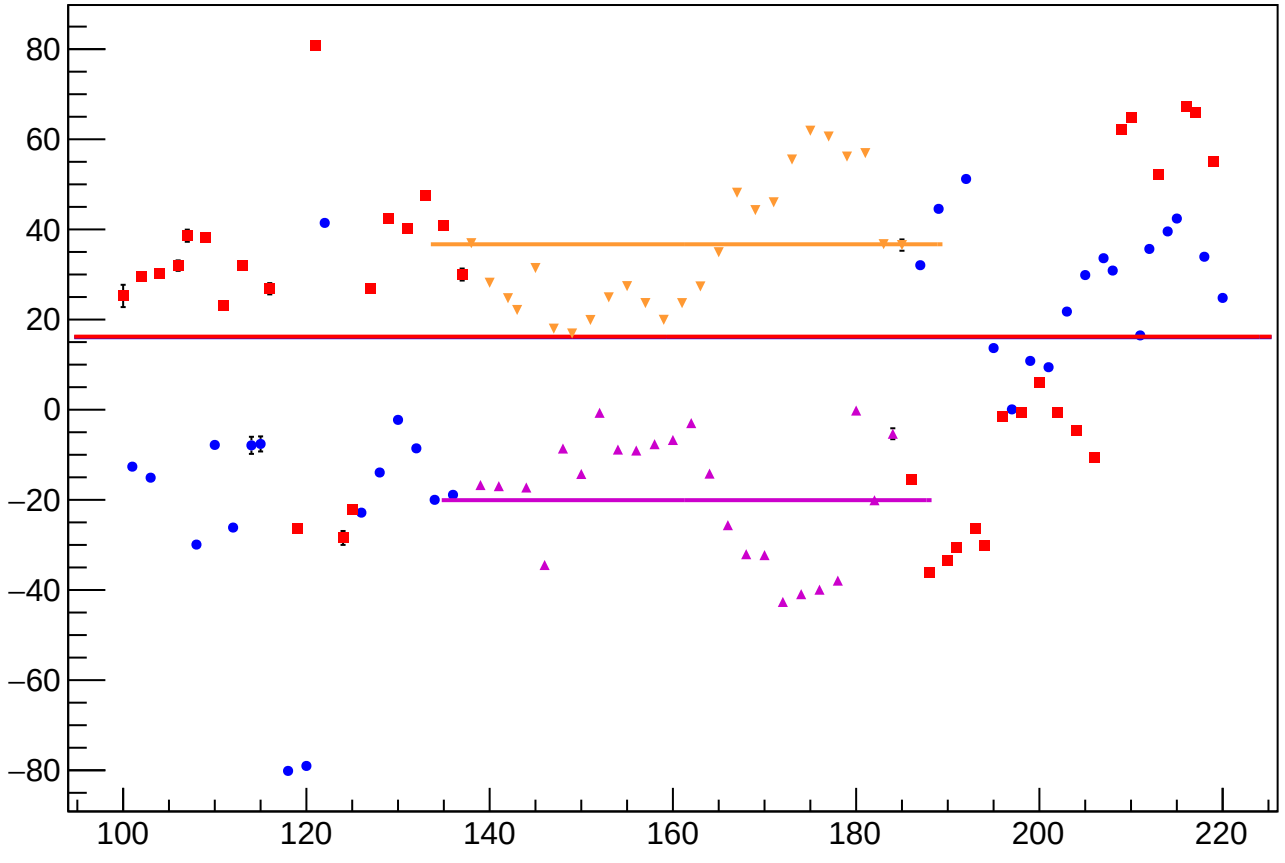
Right Out: 698.749+/-0.108 χ^2/NDF: 1354525.4/36

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 739.417+/-0.083 χ^2/NDF: 2167388.0/57

All: 740.270+/-0.059 χ^2/NDF: 4424288.3/117

- sign 741.139+/-0.084 χ^2/NDF: 2256689.0/59



Right In: 16.085+/-0.116 χ^2/NDF: 54928.3/32

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 16.212+/-0.114 χ^2/NDF: 99090.6/36

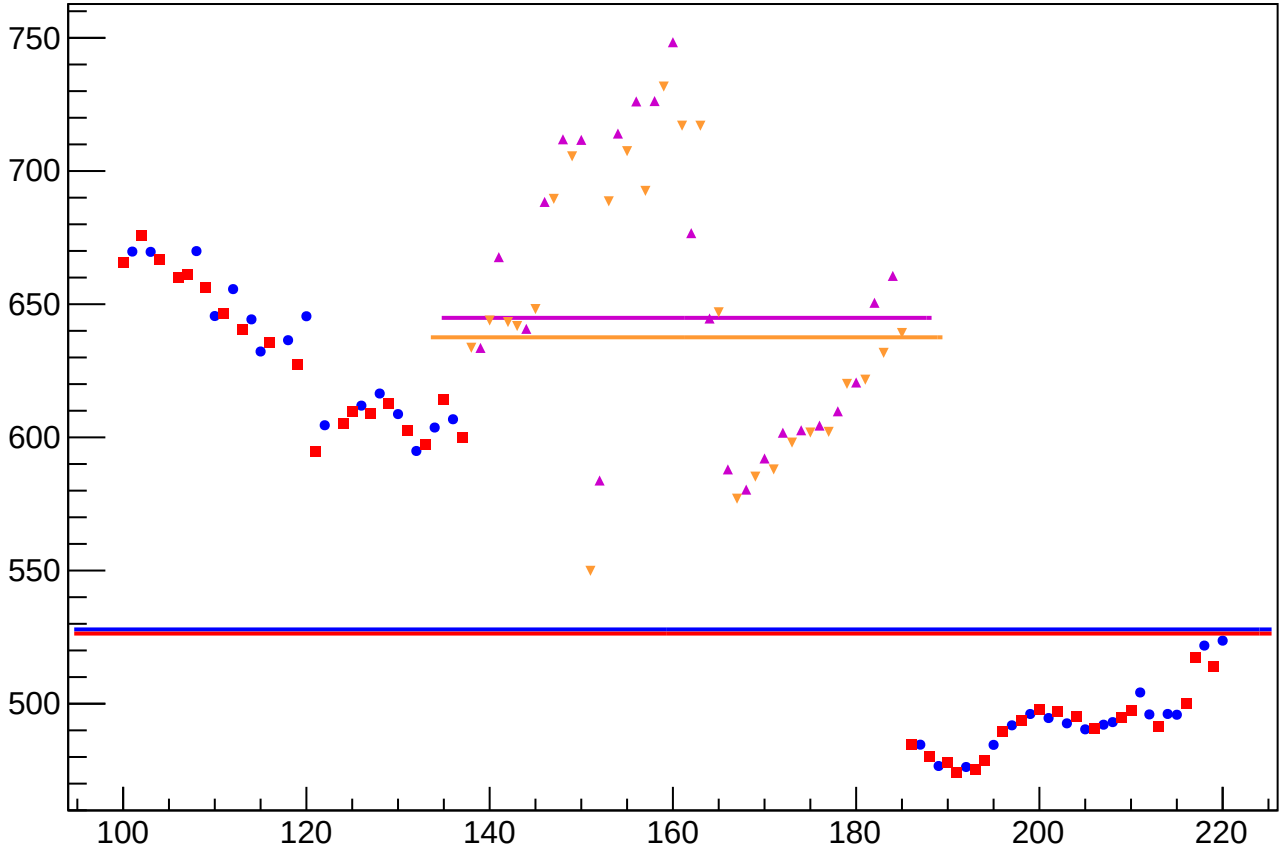
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 24.079+/-0.091 χ^2/NDF: 77468.8/57

All: 13.628+/-0.064 χ^2/NDF: 248600.8/117

- sign 3.057+/-0.091 χ^2/NDF: 144336.0/59

diff_bpm1i02Y_rms vs Slug



Right In: 527.888+/-0.082 χ^2/NDF: 542253.8/32

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 526.338+/-0.081 χ^2/NDF: 575616.6/36

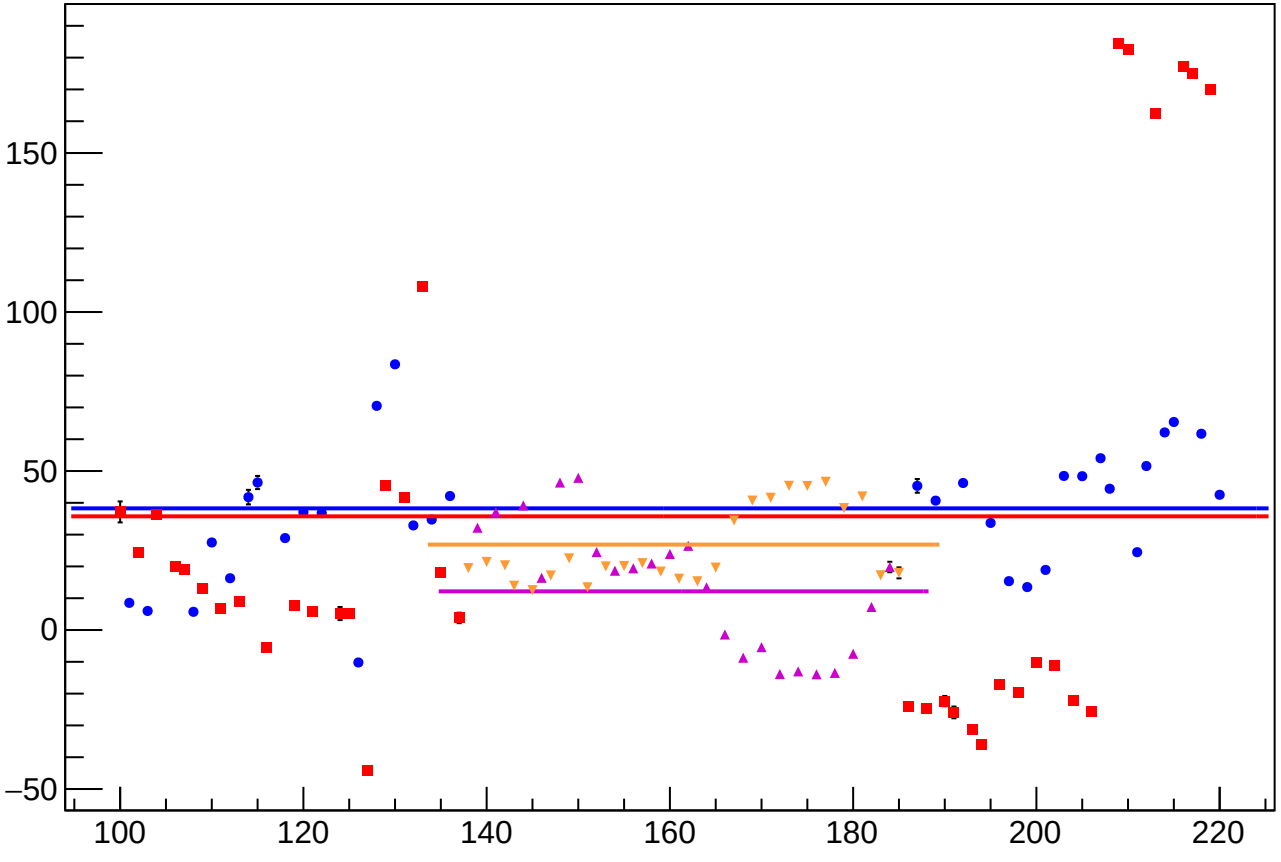
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 570.410+/-0.064 χ^2/NDF: 1475391.1/57

All: 569.867+/-0.045 χ^2/NDF: 3063838.9/117

- sign 569.318+/-0.064 χ^2/NDF: 1588303.3/59

diff_bpm1i04X_mean vs Slug



Right In: 38.254+/-0.191 χ^2/NDF: 11280.3/32

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 35.747+/-0.189 χ^2/NDF: 158880.7/36

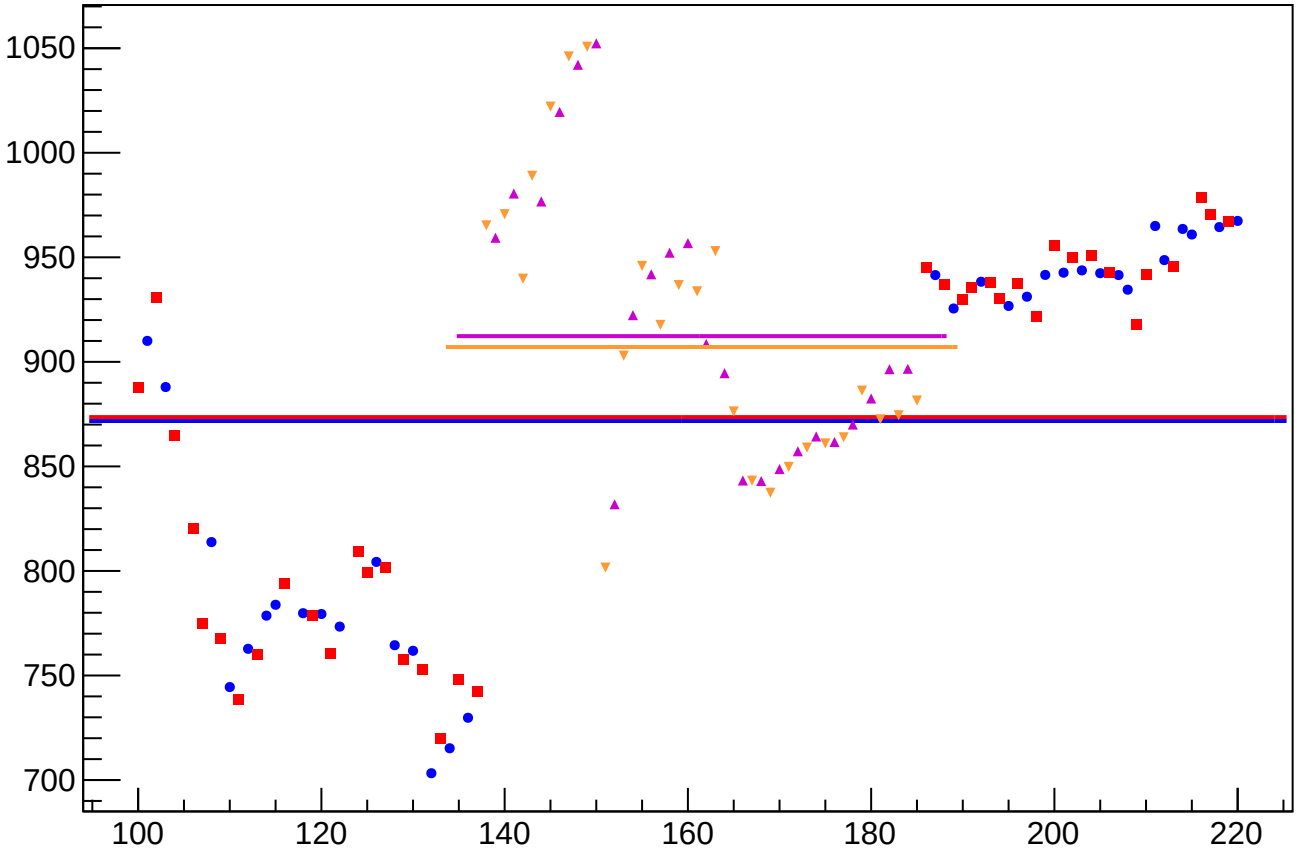
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

\+ sign 33.009+/-0.140 χ^2/NDF: 16308.4/57

All: 29.237+/-0.100 χ^2/NDF: 192033.4/117

\- sign 25.392+/-0.142 χ^2/NDF: 174264.1/59

diff_bpm1i04X_rms vs Slug



Right In: 871.718+/-0.135 χ^2/NDF: 472654.5/32

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 873.580+/-0.134 χ^2/NDF: 433825.4/36

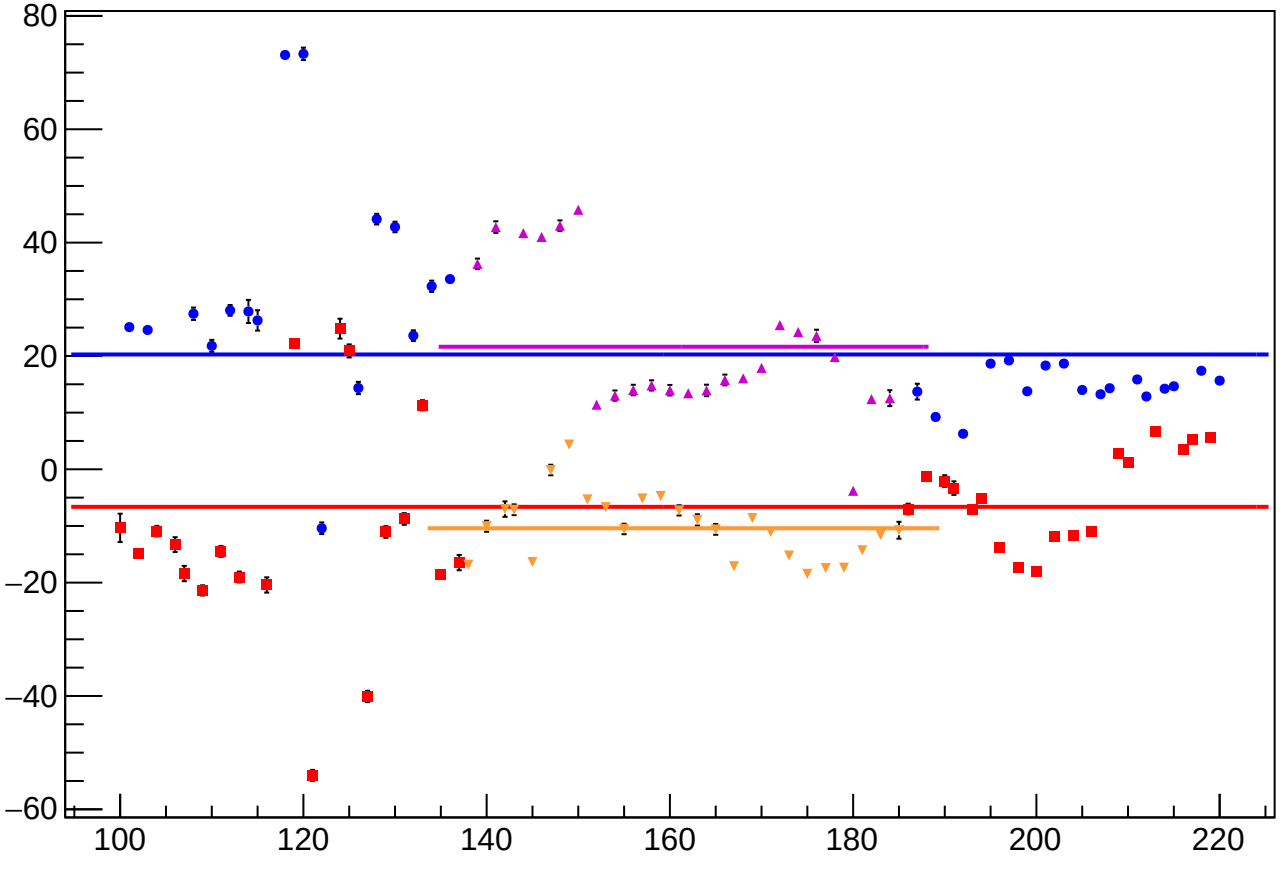
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 888.007+/-0.099 χ^2/NDF: 698865.0/57

All: 889.280+/-0.070 χ^2/NDF: 1344580.8/117

- sign 890.578+/-0.100 χ^2/NDF: 645383.1/59

diff_bpm1i04Y_mean vs Slug



Right In: 20.261+/-0.134 χ^2/NDF: 10508.0/32

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -6.625+/-0.132 χ^2/NDF: 9904.7/36

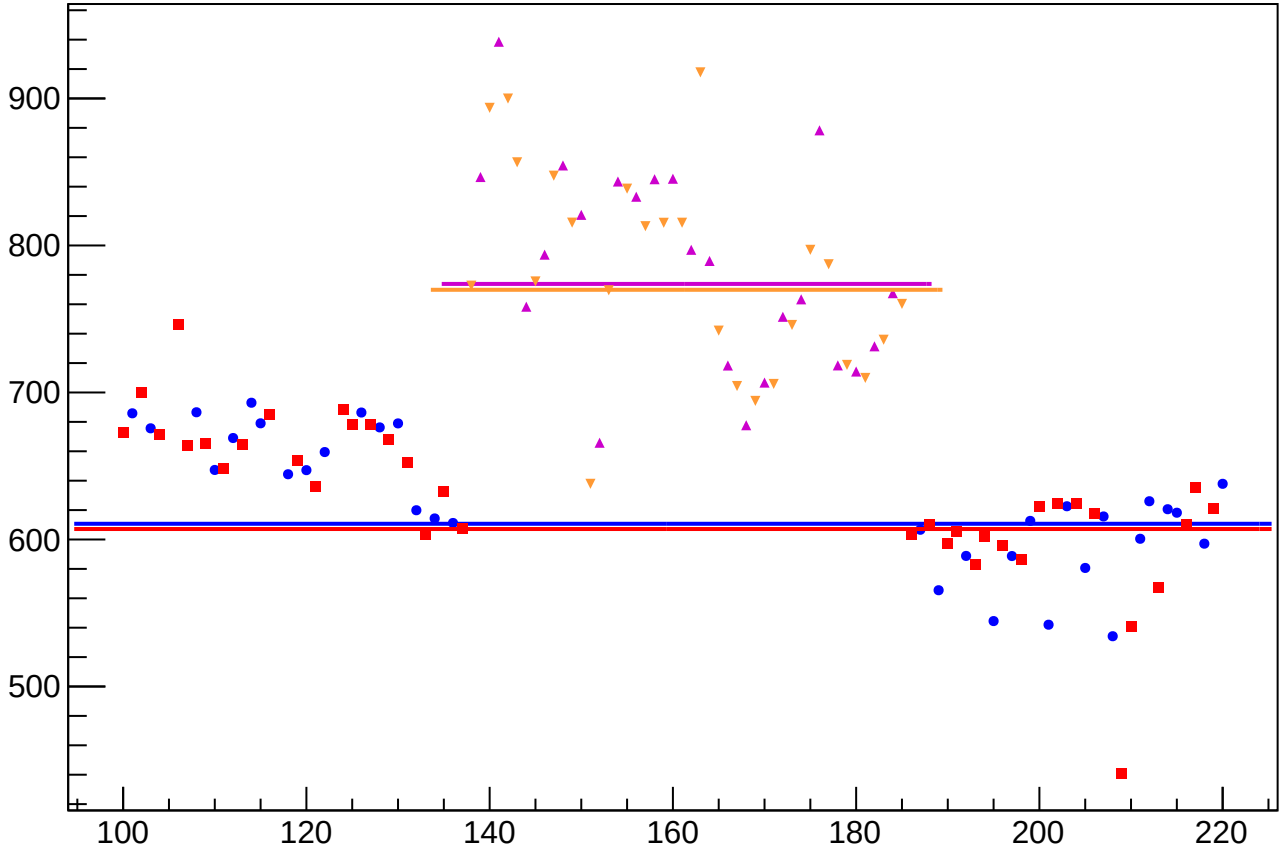
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 9.034+/-0.106 χ^2/NDF: 30796.3/57

All: 6.058+/-0.075 χ^2/NDF: 63332.2/117

- sign 3.075+/-0.107 χ^2/NDF: 30972.4/59

diff_bpm1i04Y_rms vs Slug



Right In: 610.692+/-0.095 χ^2/NDF: 200902.4/32

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 607.123+/-0.093 χ^2/NDF: 413641.7/36

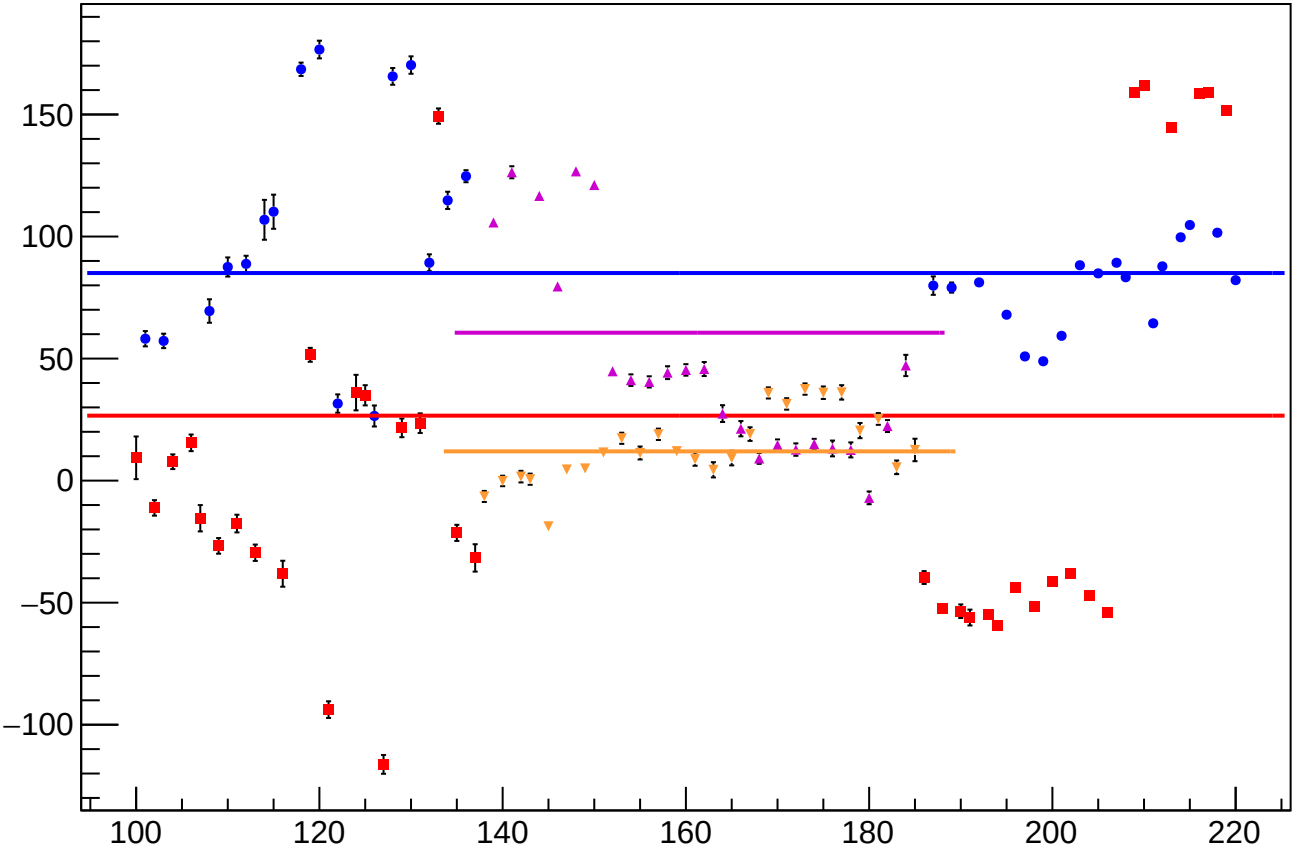
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 668.958+/-0.075 χ^2/NDF: 1542205.5/57

All: 666.672+/-0.053 χ^2/NDF: 3343237.3/117

- sign 664.381+/-0.075 χ^2/NDF: 1799186.4/59

diff_bpm1i06X_mean vs Slug



Right In: 85.048+/-0.398 χ^2/NDF: 5111.5/32

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: 26.615+/-0.388 χ^2/NDF: 59911.7/36

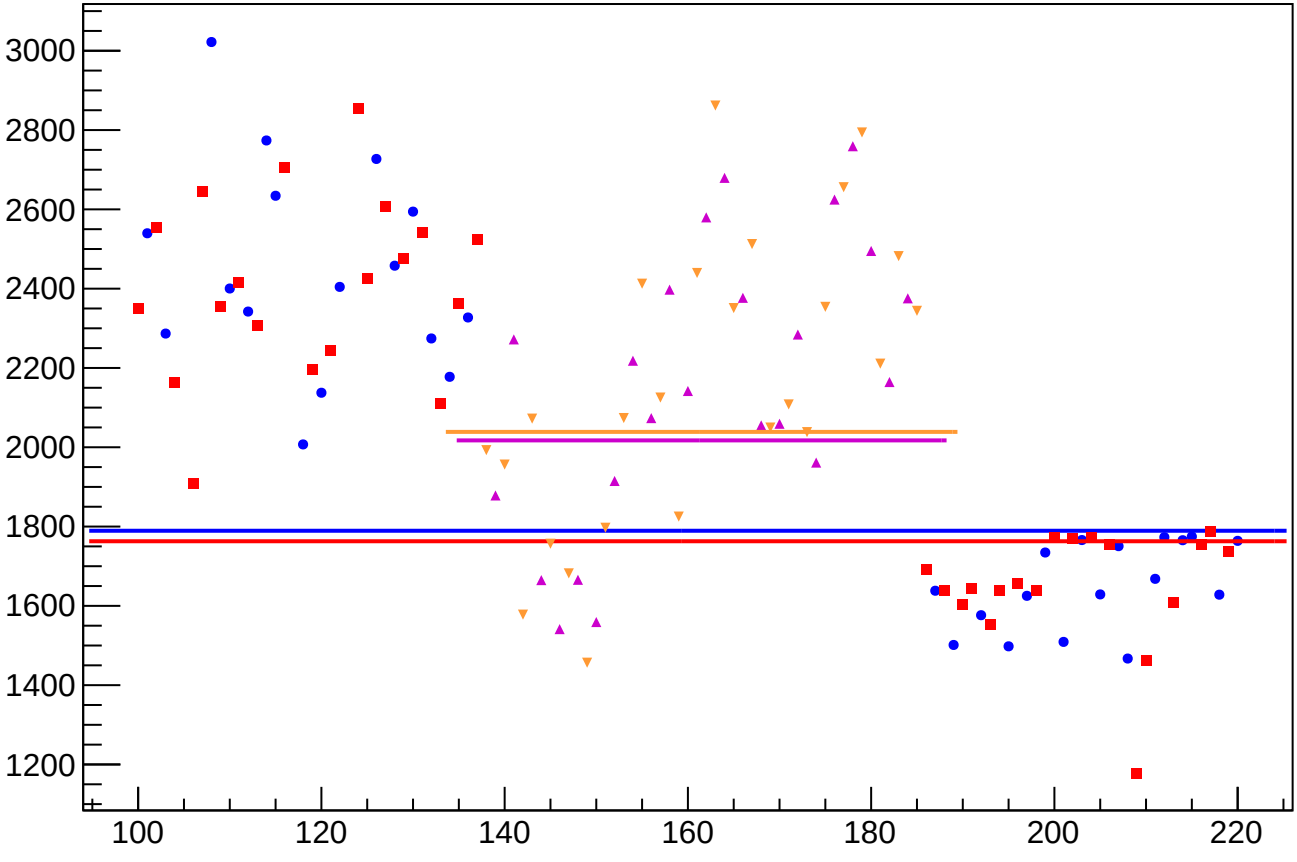
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 54.651+/-0.304 χ^2/NDF: 20076.3/57

All: 47.285+/-0.214 χ^2/NDF: 92814.3/117

- sign 40.021+/-0.302 χ^2/NDF: 71573.3/59

diff_bpm1i06X_rms vs Slug



Right In: 1789.433+/-0.281 χ^2/NDF: 1317557.0/32

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1762.949+/-0.274 χ^2/NDF: 1598710.8/36

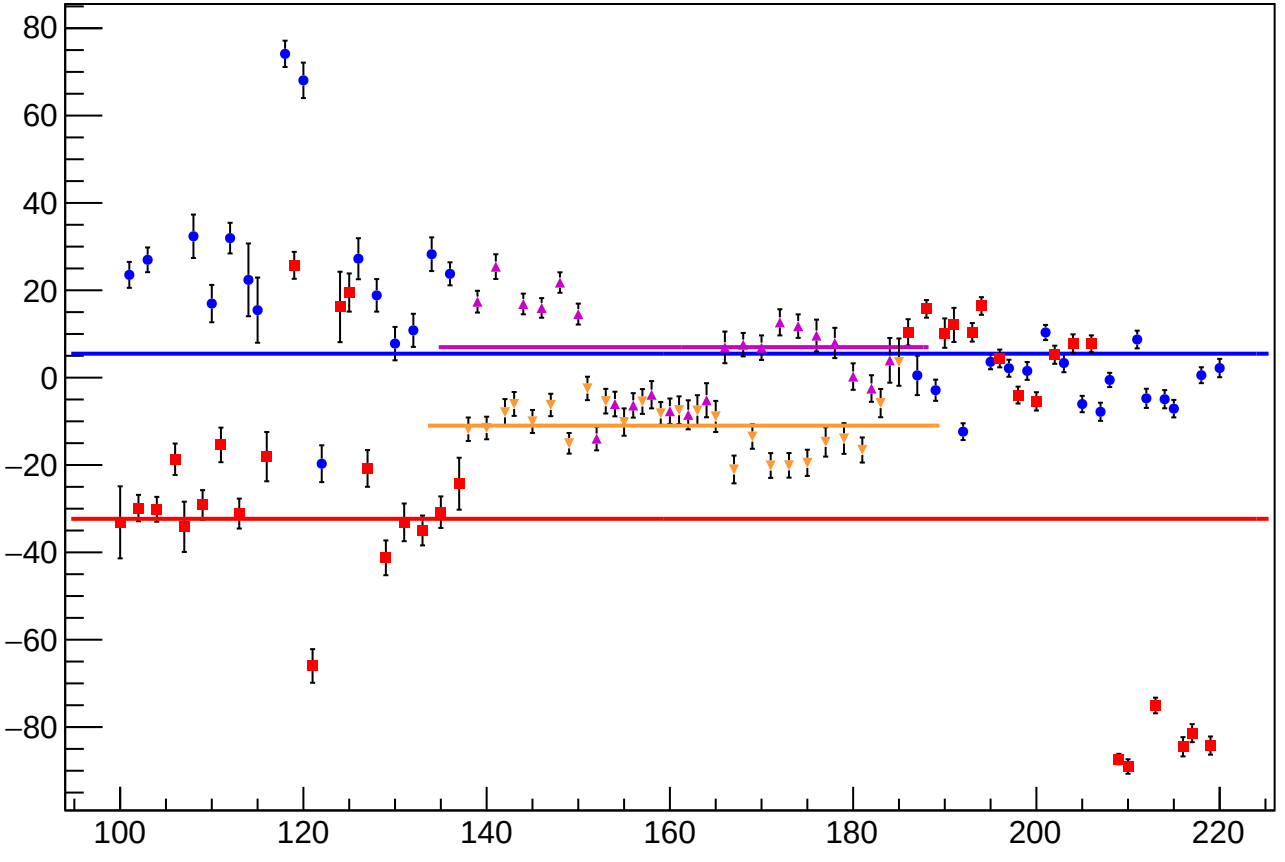
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 1893.179+/-0.215 χ^2/NDF: 2767642.6/57

All: 1878.137+/-0.152 χ^2/NDF: 5764943.0/11

- sign 1863.302+/-0.214 χ^2/NDF: 2987584.6/59

diff_bpm1i06Y_mean vs Slug



Right In: 5.487+/-0.431 χ^2/NDF: 1410.7/32

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

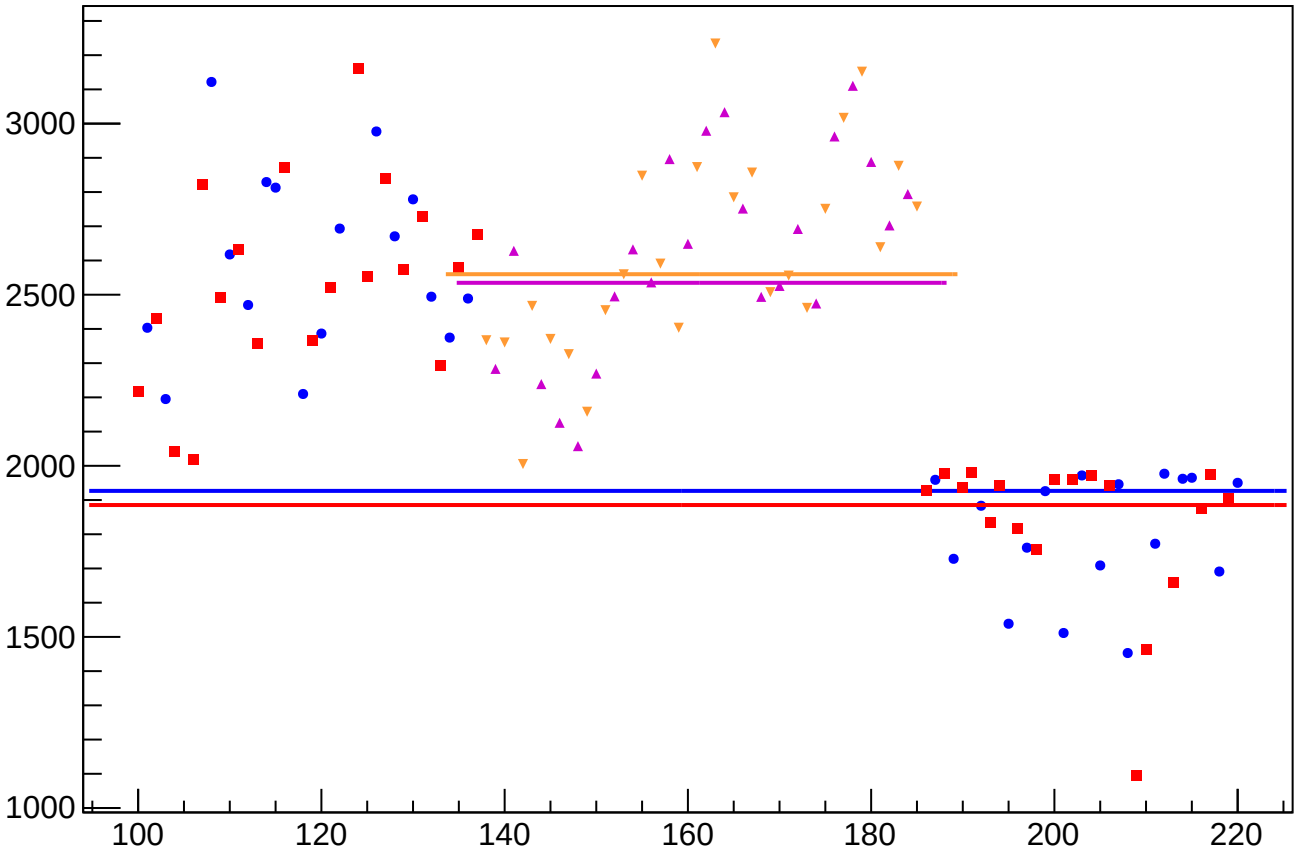
Right Out: -32.318+/-0.419 χ^2/NDF: 10121.2/36

Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign -0.298+/-0.347 χ^2/NDF: 2011.2/57

All: -9.967+/-0.244 χ^2/NDF: 16900.4/117

- sign -19.405+/-0.343 χ^2/NDF: 13356.7/59



Right In: 1926.729+/-0.305 χ^2/NDF: 1378794.7/32

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

Right Out: 1885.398+/-0.296 χ^2/NDF: 2009979.9/36

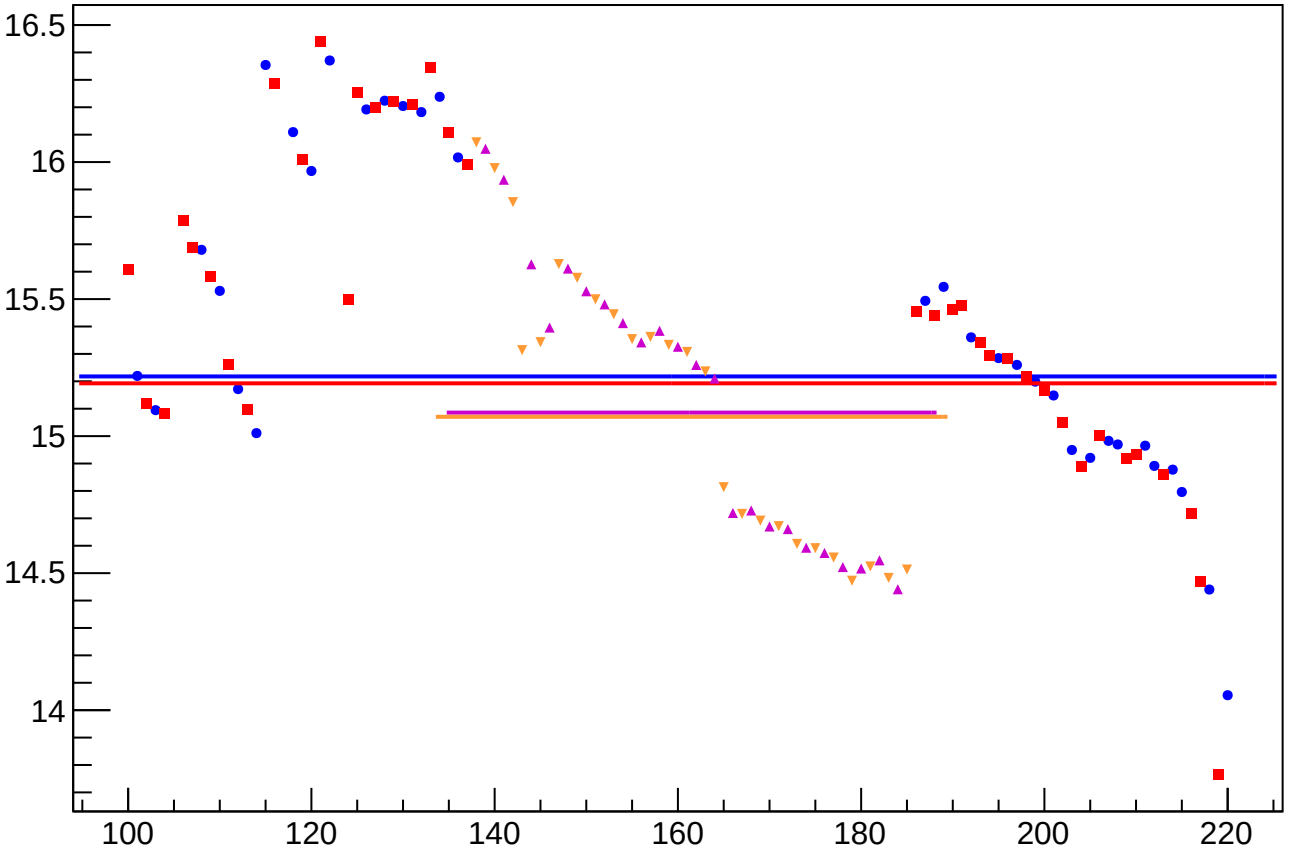
Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

+ sign 2149.114+/-0.246 χ^2/NDF: 3344591.3/57

All: 2123.630+/-0.173 χ^2/NDF: 7420610.8/11

- sign 2098.756+/-0.243 χ^2/NDF: 4054730.0/59

yield_sam1_mean vs Slug



Right In: 15.218+/-0.000 χ^2/NDF: 48969984585.6/32

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.193+/-0.000 χ^2/NDF: 50772014696.4/36

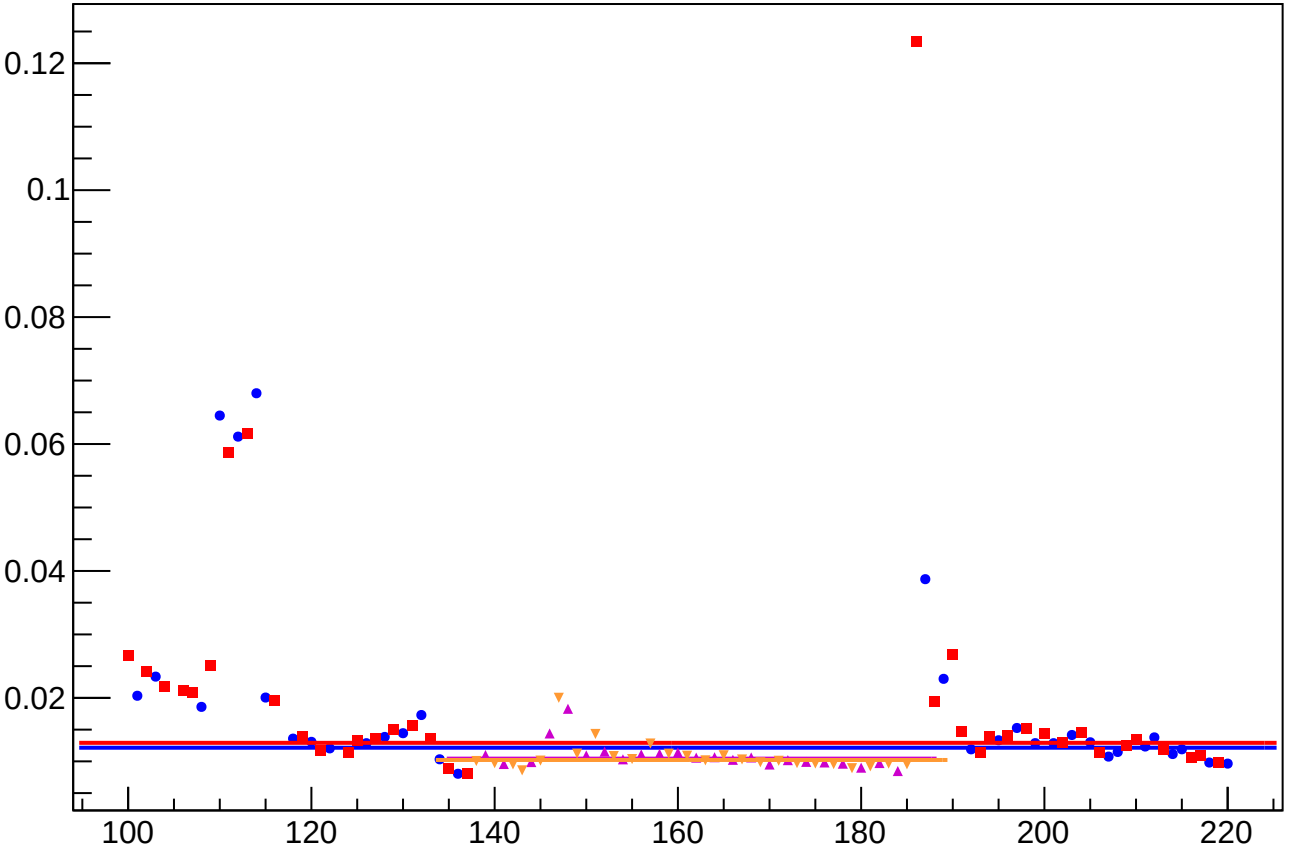
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.132+/-0.000 χ^2/NDF: 94263270370.3/57

All: 15.131+/-0.000 χ^2/NDF: 185283985632.

- sign 15.130+/-0.000 χ^2/NDF: 91020084121.8/59

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 3124190.5/32

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

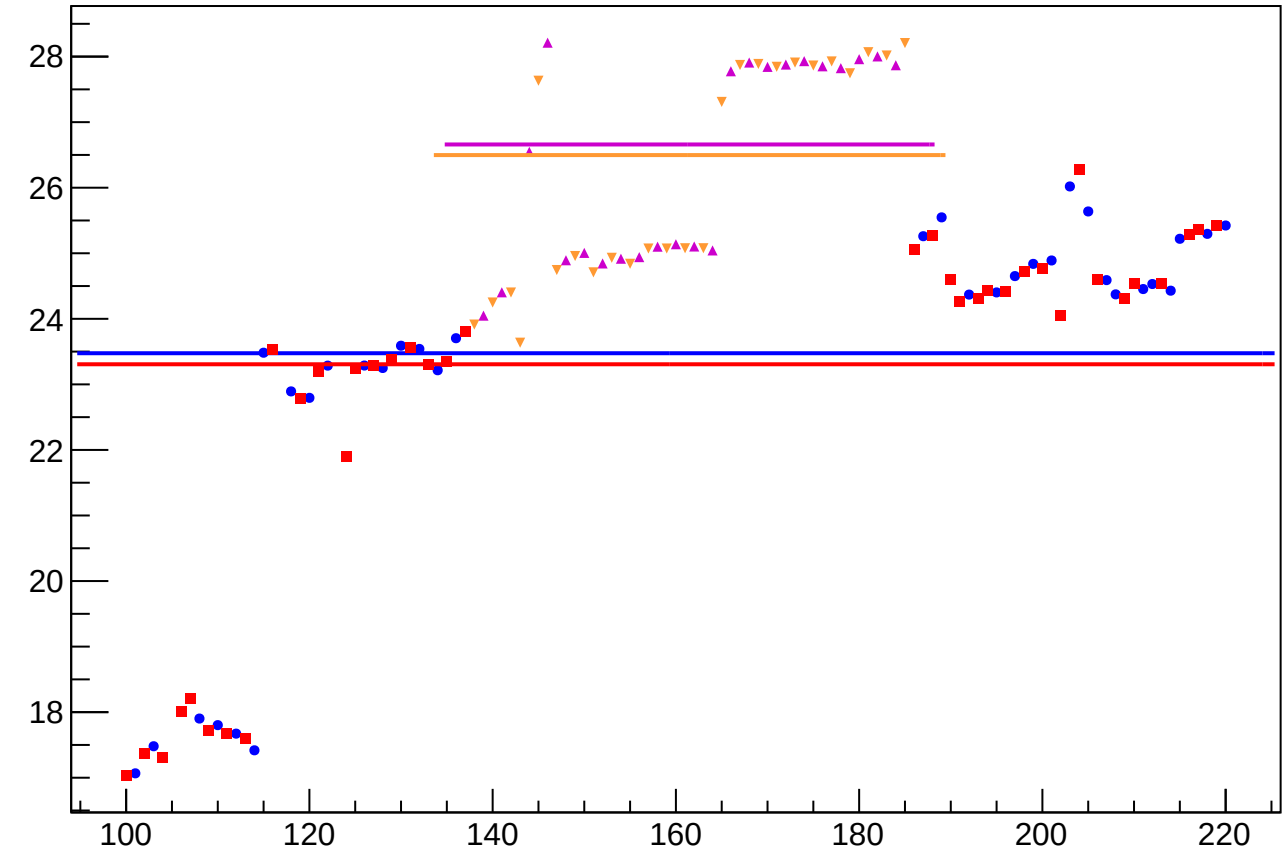
Right Out: 0.013+/-0.000 χ^2/NDF: 3754980.5/36

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4426037.6/57

All: 0.011+/-0.000 χ^2/NDF: 9639350.8/117

- sign 0.011+/-0.000 χ^2/NDF: 5160570.4/59



Right In: 23.475+/-0.000 χ^2/NDF: 1831236874.0/32

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 23.307+/-0.000 χ^2/NDF: 1935764835.7/36

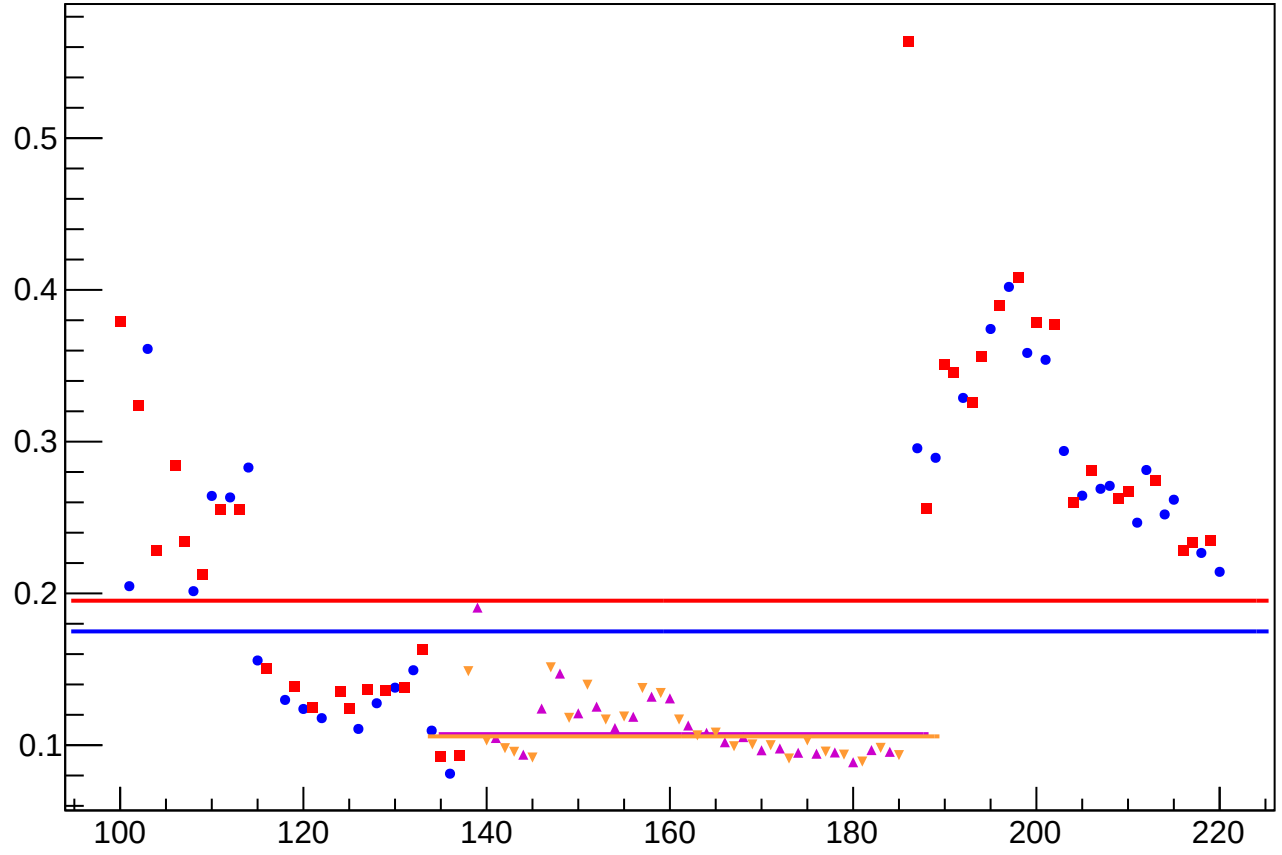
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.719+/-0.000 χ^2/NDF: 9229849644.3/57

All: 25.777+/-0.000 χ^2/NDF: 17803710221.8

- sign 25.840+/-0.000 χ^2/NDF: 8560031690.1/59

yield_sam2_rms vs Slug



Right In: 0.175+/-0.000 χ^2/NDF: 7739422.5/32

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.195+/-0.000 χ^2/NDF: 6801167.8/36

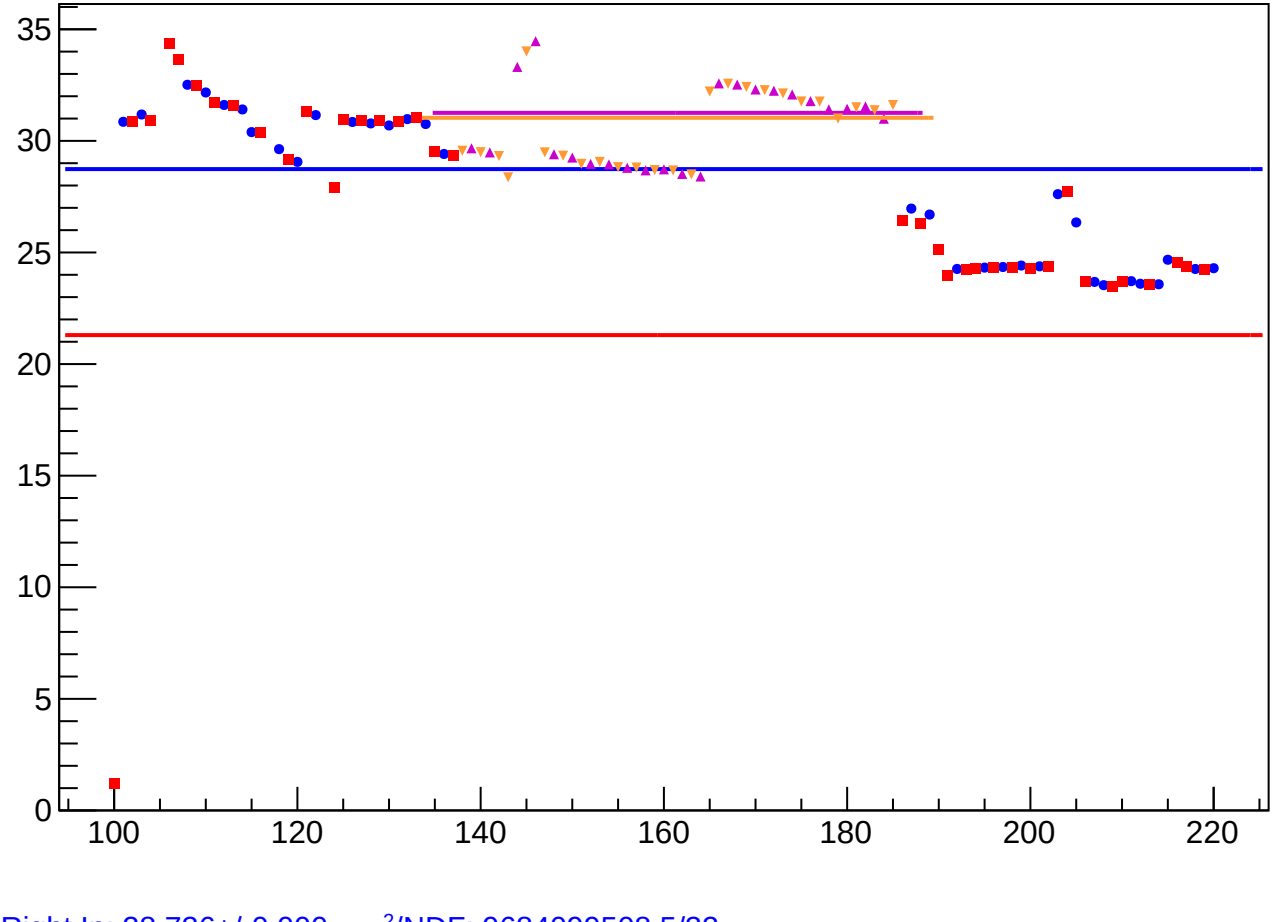
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.124+/-0.000 χ^2/NDF: 12150694.9/57

All: 0.126+/-0.000 χ^2/NDF: 25002777.9/117

- sign 0.129+/-0.000 χ^2/NDF: 12801779.8/59

yield_sam3_mean vs Slug



Right In: 28.736+/-0.000 χ^2/NDF: 9684099508.5/32

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 21.299+/-0.000 χ^2/NDF: 227094085033.1/36

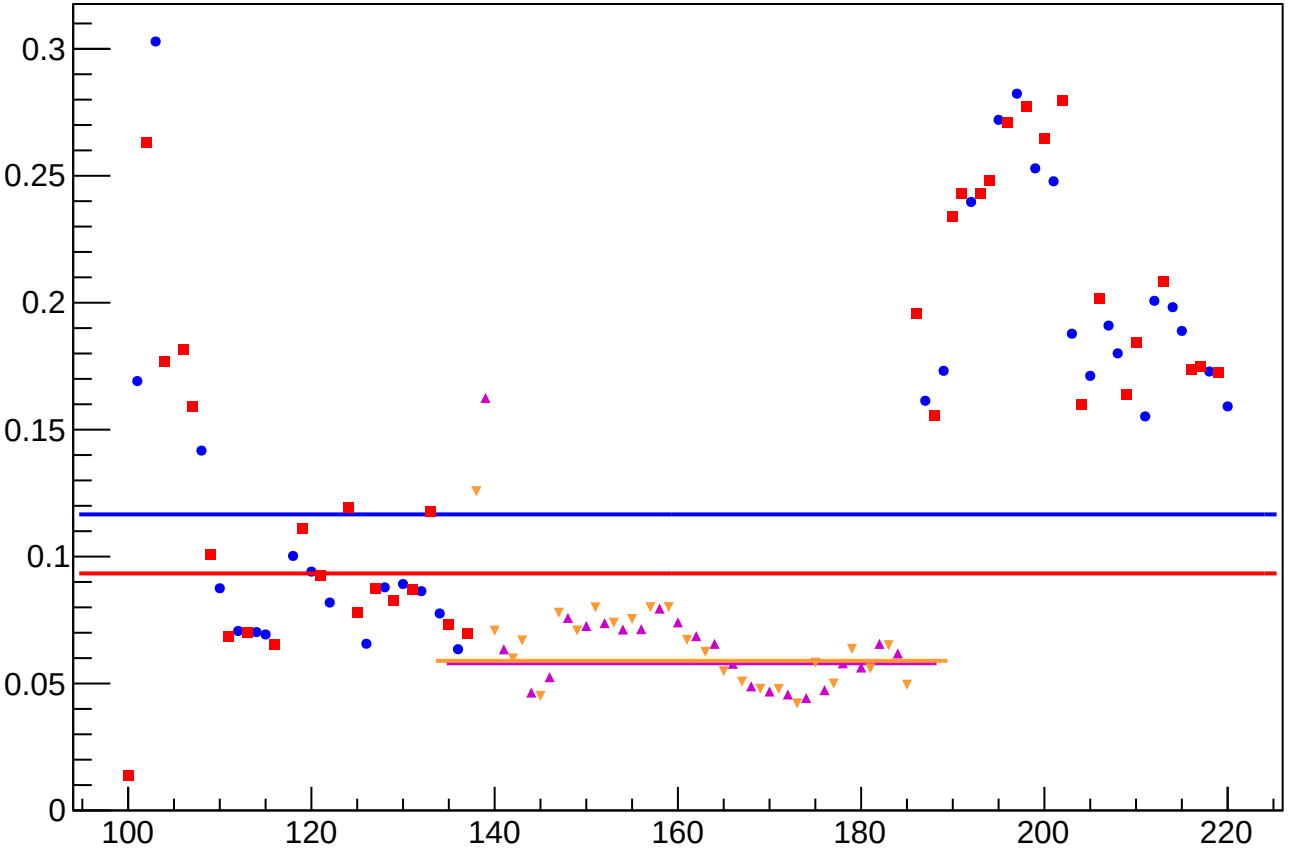
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.557+/-0.000 χ^2/NDF: 26285713065.4/57

All: 29.613+/-0.000 χ^2/NDF: 380709286937.

- sign 28.694+/-0.000 χ^2/NDF: 344916338060.4/59

yield_sam3_rms vs Slug



Right In: 0.117+/-0.000 χ^2/NDF: 7866147.5/32

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.093+/-0.000 χ^2/NDF: 14482435.3/36

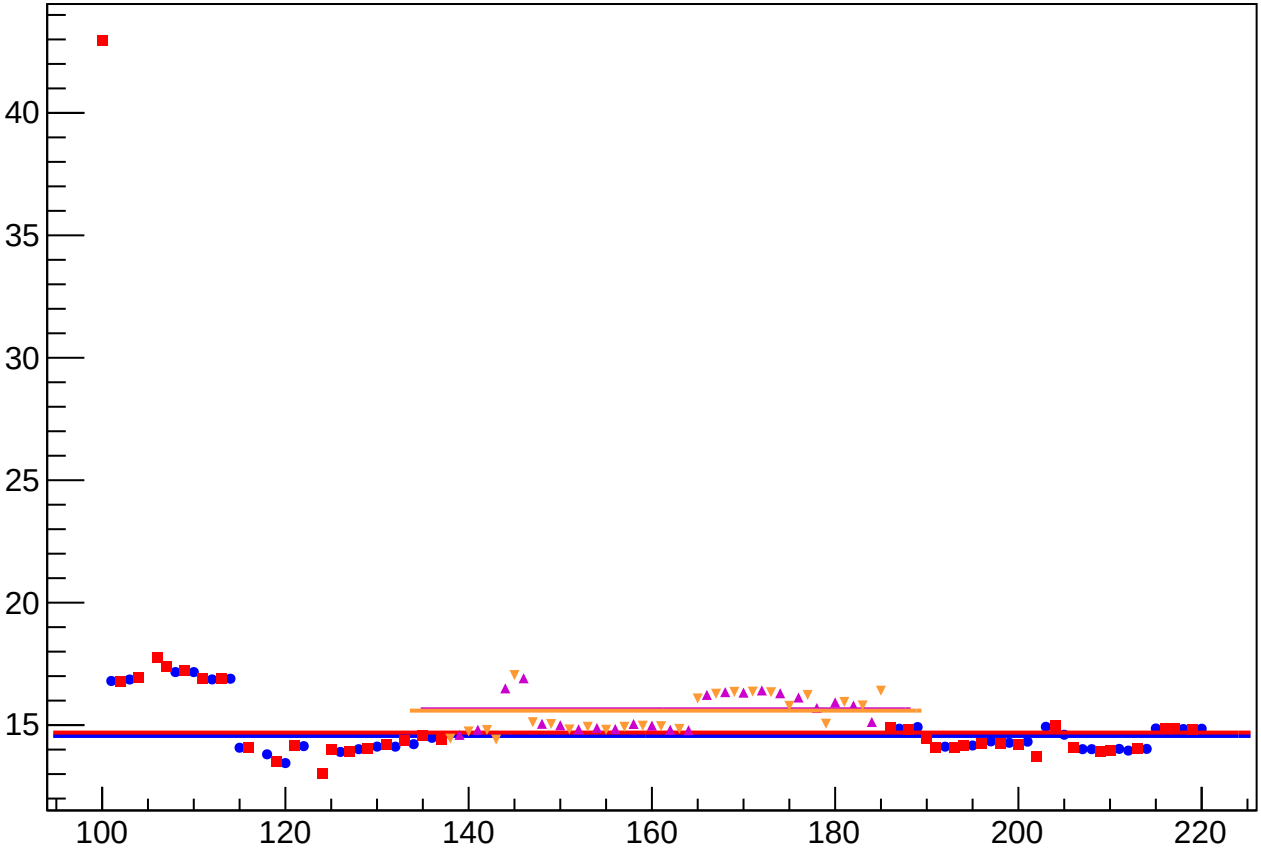
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.071+/-0.000 χ^2/NDF: 15324091.9/57

All: 0.069+/-0.000 χ^2/NDF: 34260556.2/117

- sign 0.067+/-0.000 χ^2/NDF: 18855505.3/59

yield_sam4_mean vs Slug



Right In: 14.557+/-0.000 χ^2/NDF: 1279382622.9/32

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.695+/-0.000 χ^2/NDF: 1876362459.9/36

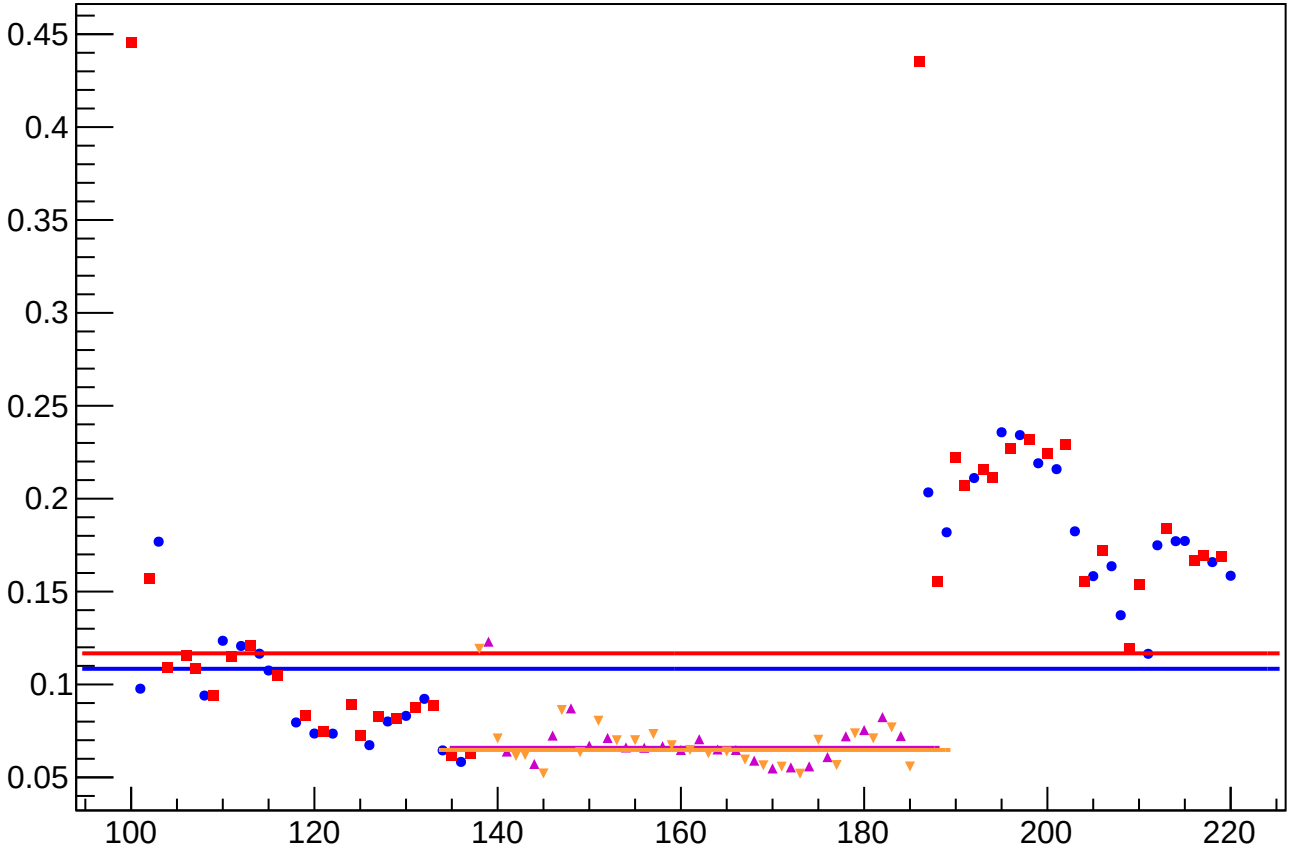
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.321+/-0.000 χ^2/NDF: 4629890099.8/57

All: 15.358+/-0.000 χ^2/NDF: 9213718535.0/1

- sign 15.400+/-0.000 χ^2/NDF: 4568140777.7/59

yield_sam4_rms vs Slug



Right In: 0.108+/-0.000 χ^2/NDF: 6882284.3/32

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

Right Out: 0.117+/-0.000 χ^2/NDF: 6435746.8/36

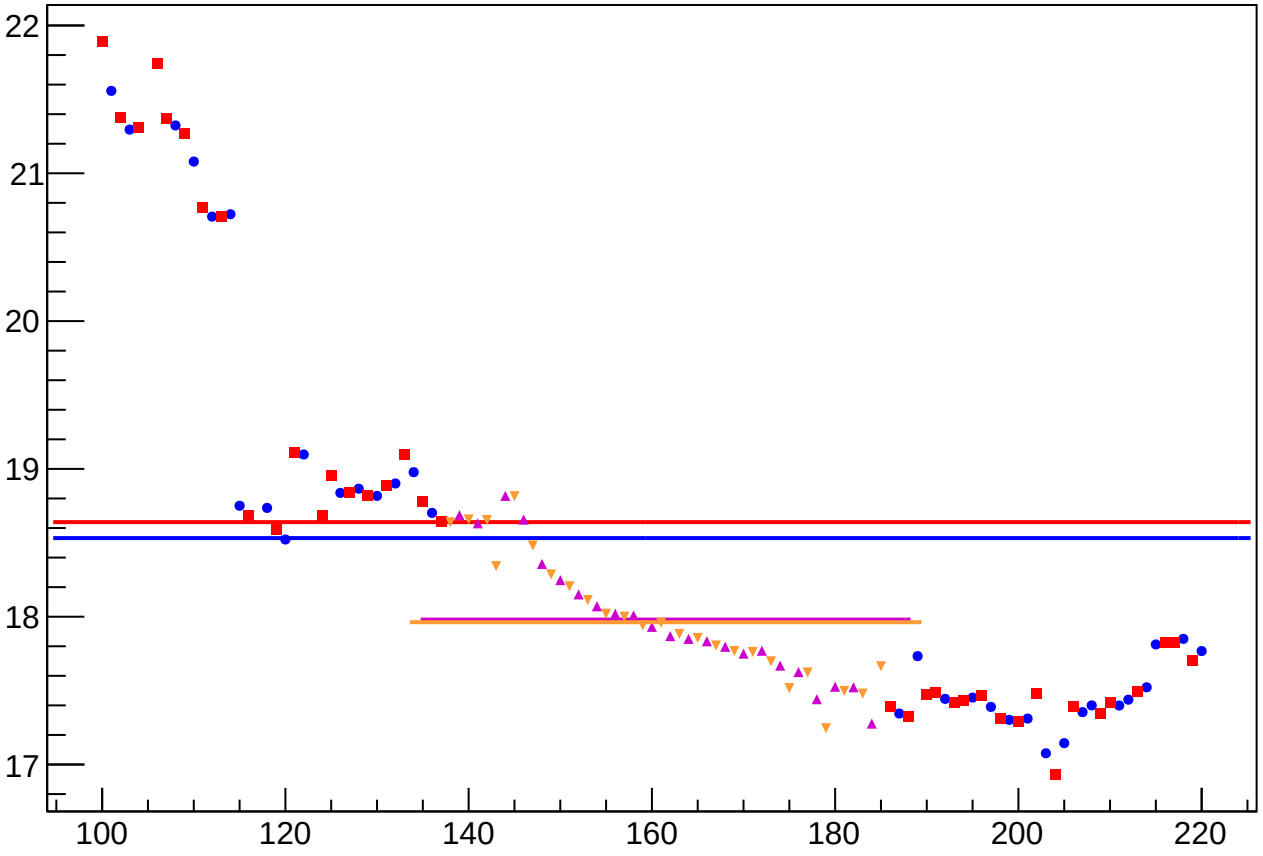
Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.076+/-0.000 χ^2/NDF: 11636520.8/57

All: 0.078+/-0.000 χ^2/NDF: 23678690.2/117

- sign 0.079+/-0.000 χ^2/NDF: 12001386.6/59

yield_sam5_mean vs Slug



Right In: 18.532+/-0.000 χ^2/NDF: 35816388111.4/32

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.640+/-0.000 χ^2/NDF: 38373745663.1/36

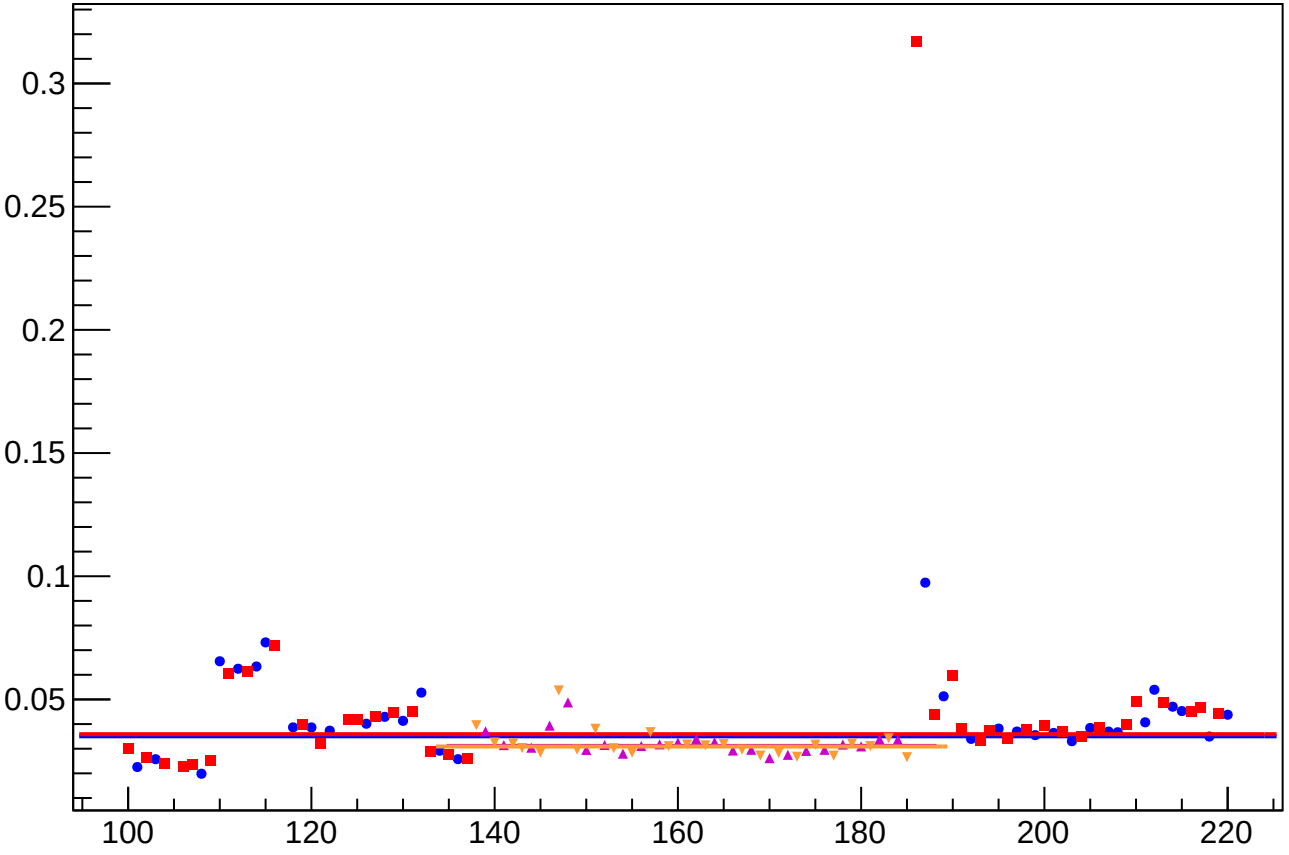
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.214+/-0.000 χ^2/NDF: 41602893119.6/57

All: 18.245+/-0.000 χ^2/NDF: 86271442035.8

- sign 18.278+/-0.000 χ^2/NDF: 44600343346.1/59

yield_sam5_rms vs Slug



Right In: 0.035+/-0.000 χ^2/NDF: 2528450.7/32

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

Right Out: 0.036+/-0.000 χ^2/NDF: 2806822.8/36

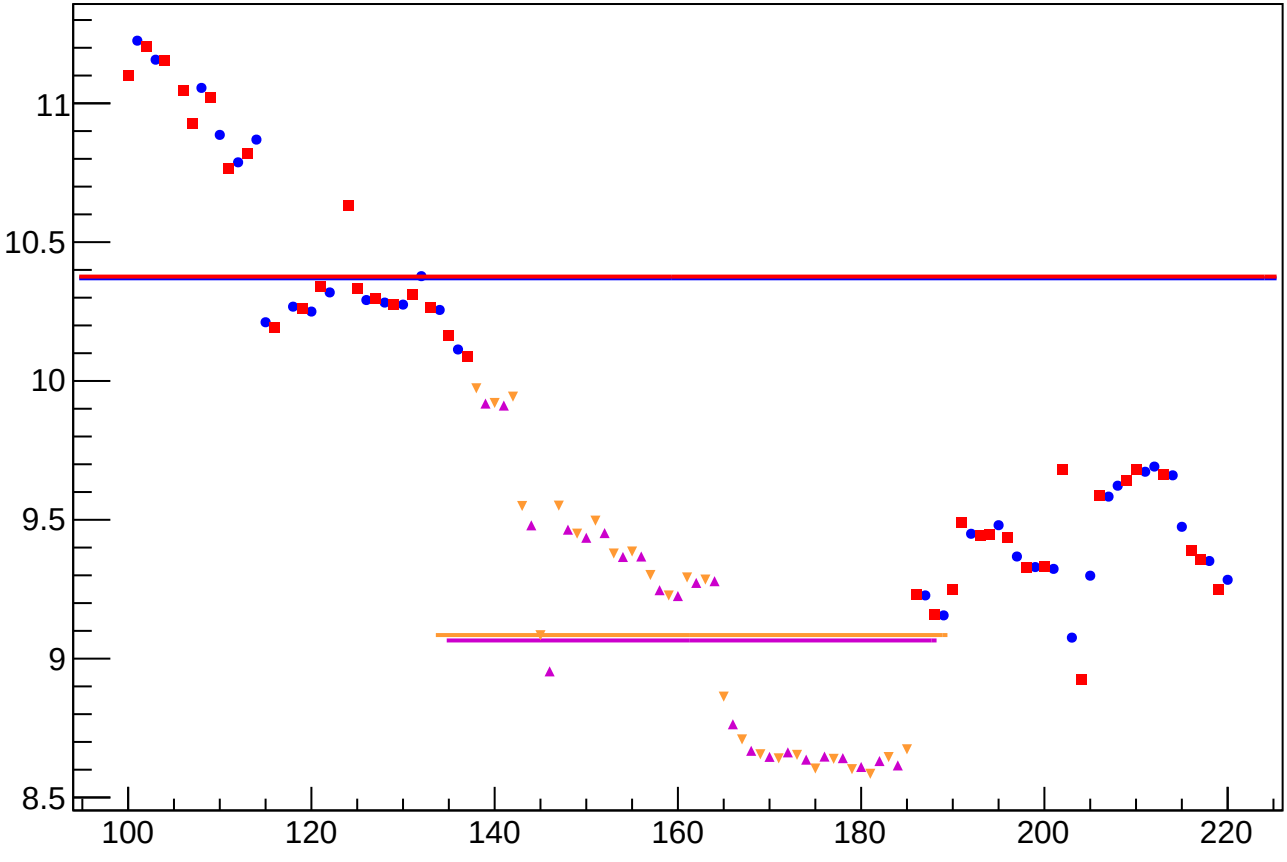
Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.033+/-0.000 χ^2/NDF: 3452681.3/57

All: 0.033+/-0.000 χ^2/NDF: 7118756.9/117

- sign 0.033+/-0.000 χ^2/NDF: 3655365.2/59

yield_sam6_mean vs Slug



Right In: 10.370+/-0.000 χ^2/NDF: 19174826703.7/32

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.376+/-0.000 χ^2/NDF: 17540532924.1/36

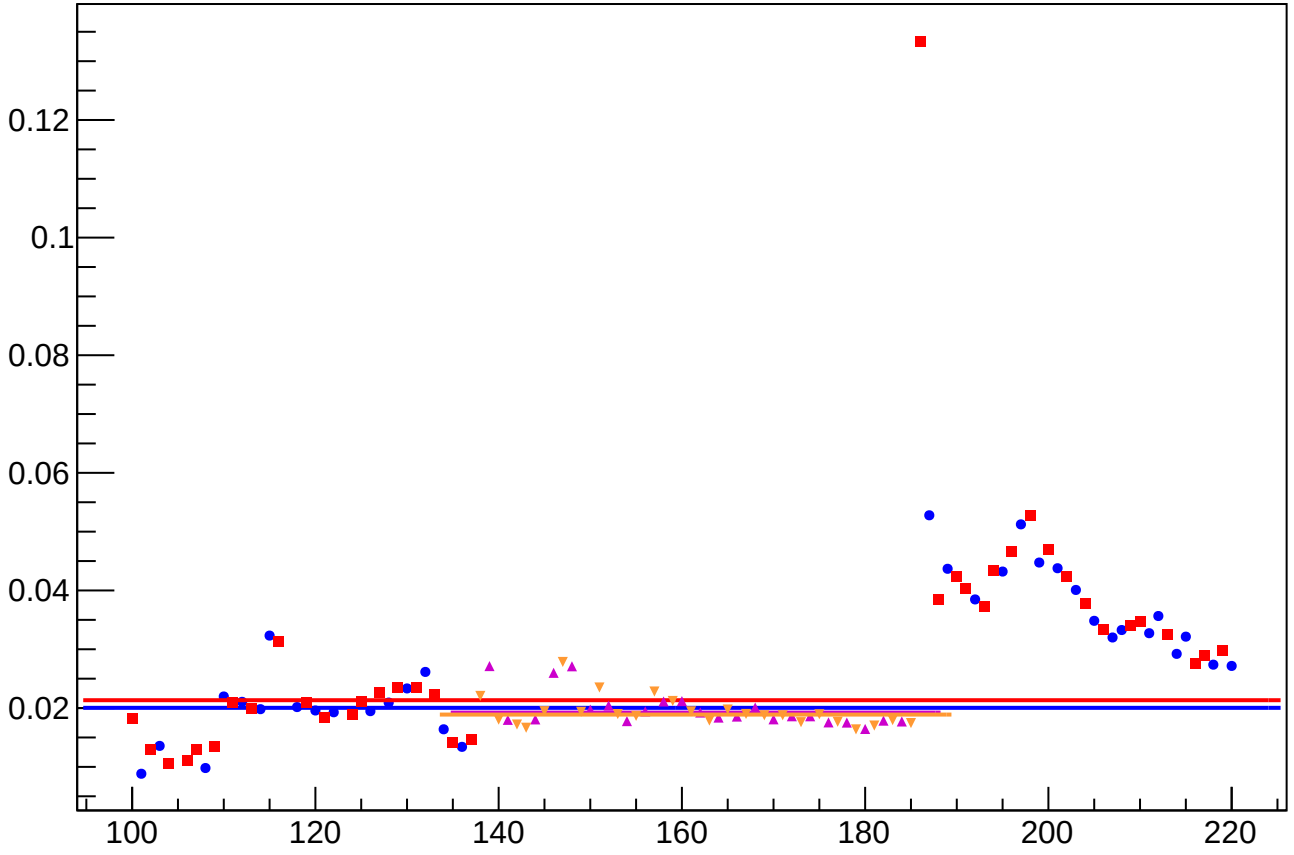
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.649+/-0.000 χ^2/NDF: 65071873500.5/57

All: 9.647+/-0.000 χ^2/NDF: 124746459675.8

- sign 9.646+/-0.000 χ^2/NDF: 59674283636.7/59

yield_sam6_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF: 8672874.6/32

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.021+/-0.000 χ^2/NDF: 8279438.3/36

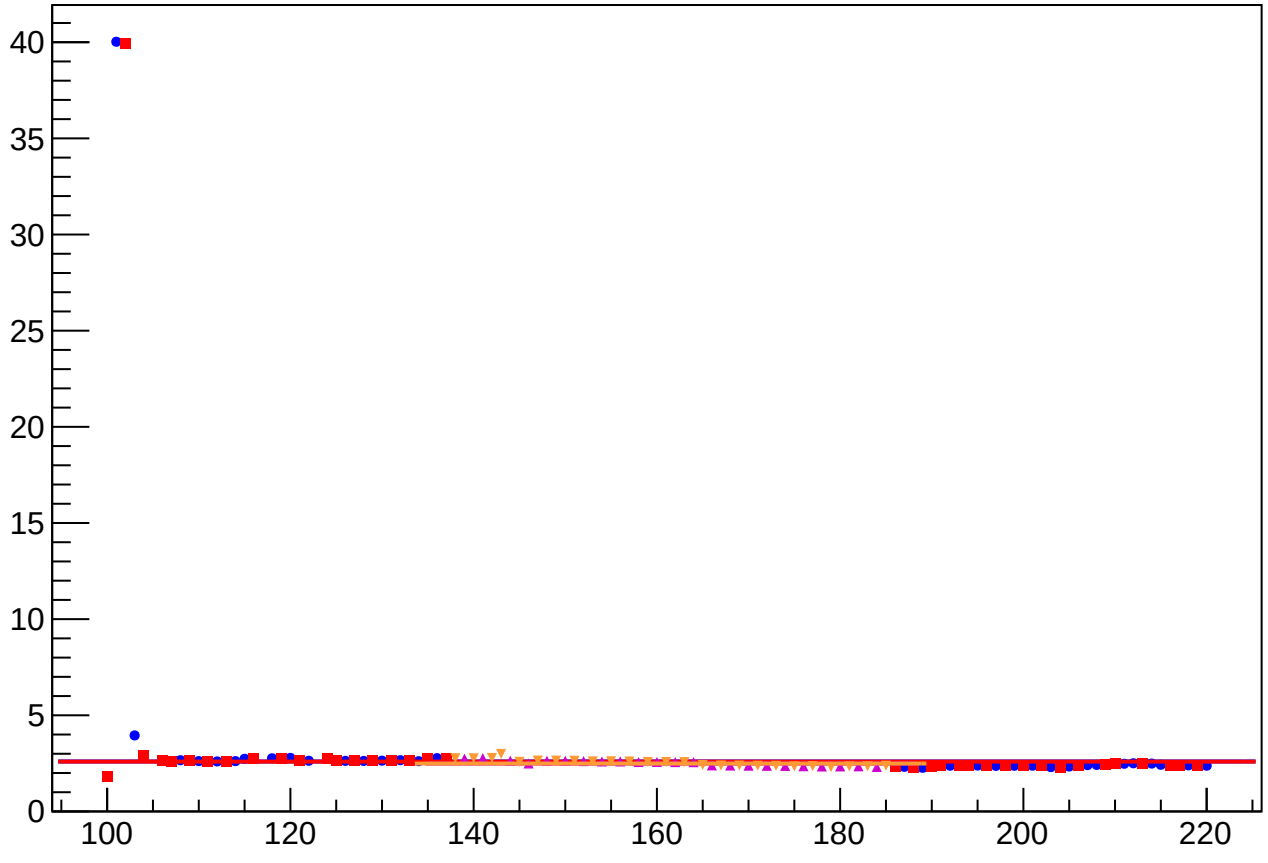
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.019+/-0.000 χ^2/NDF: 9171045.7/57

All: 0.020+/-0.000 χ^2/NDF: 18216671.8/117

- sign 0.020+/-0.000 χ^2/NDF: 8996257.9/59

yield_sam7_mean vs Slug



Right In: 2.600+/-0.000 χ^2/NDF: 93570667159.7/32

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.592+/-0.000 χ^2/NDF: 90899825682.1/36

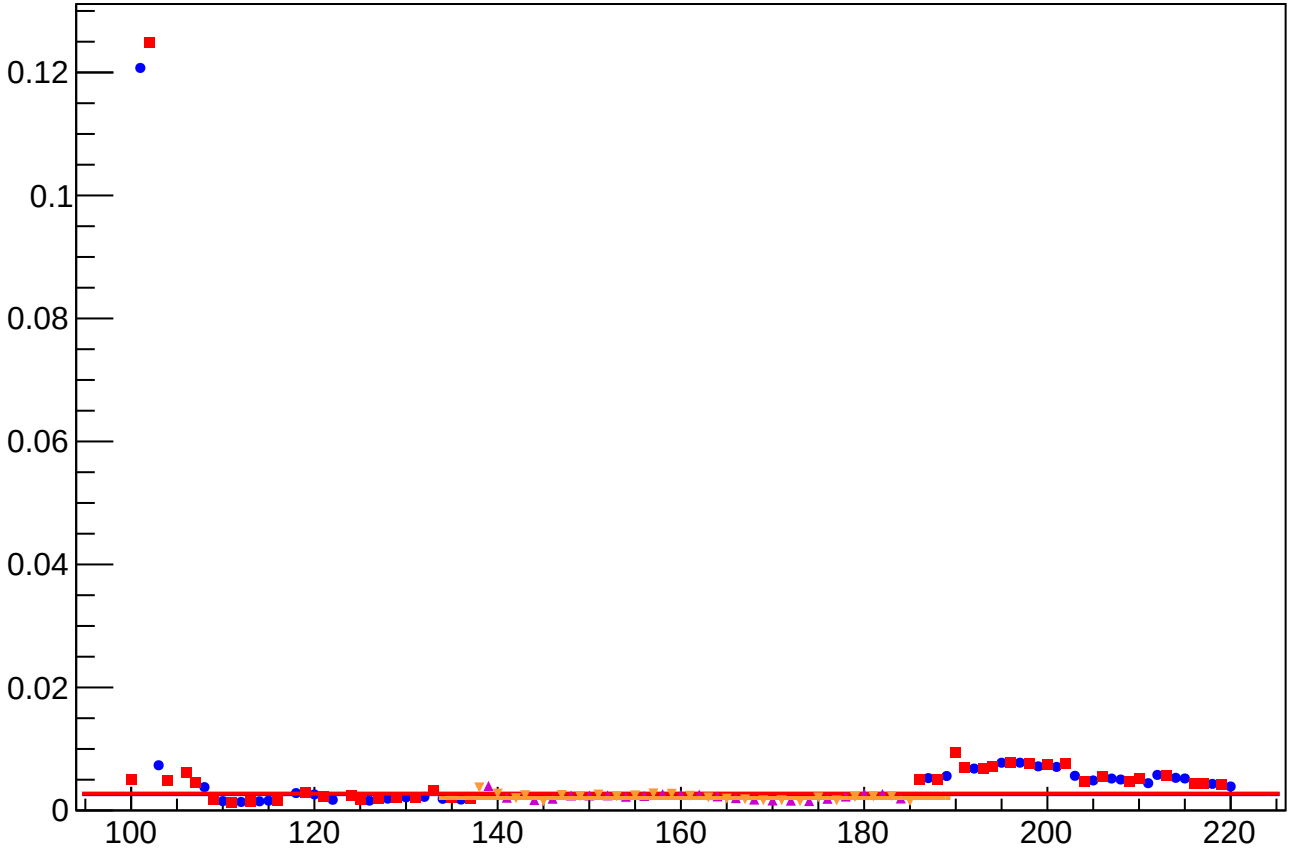
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.528+/-0.000 χ^2/NDF: 200931284755.6/57

All: 2.526+/-0.000 χ^2/NDF: 365884088848.3

- sign 2.525+/-0.000 χ^2/NDF: 164926196664.6/59

yield_sam7_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 11260646.3/32

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12069593.0/36

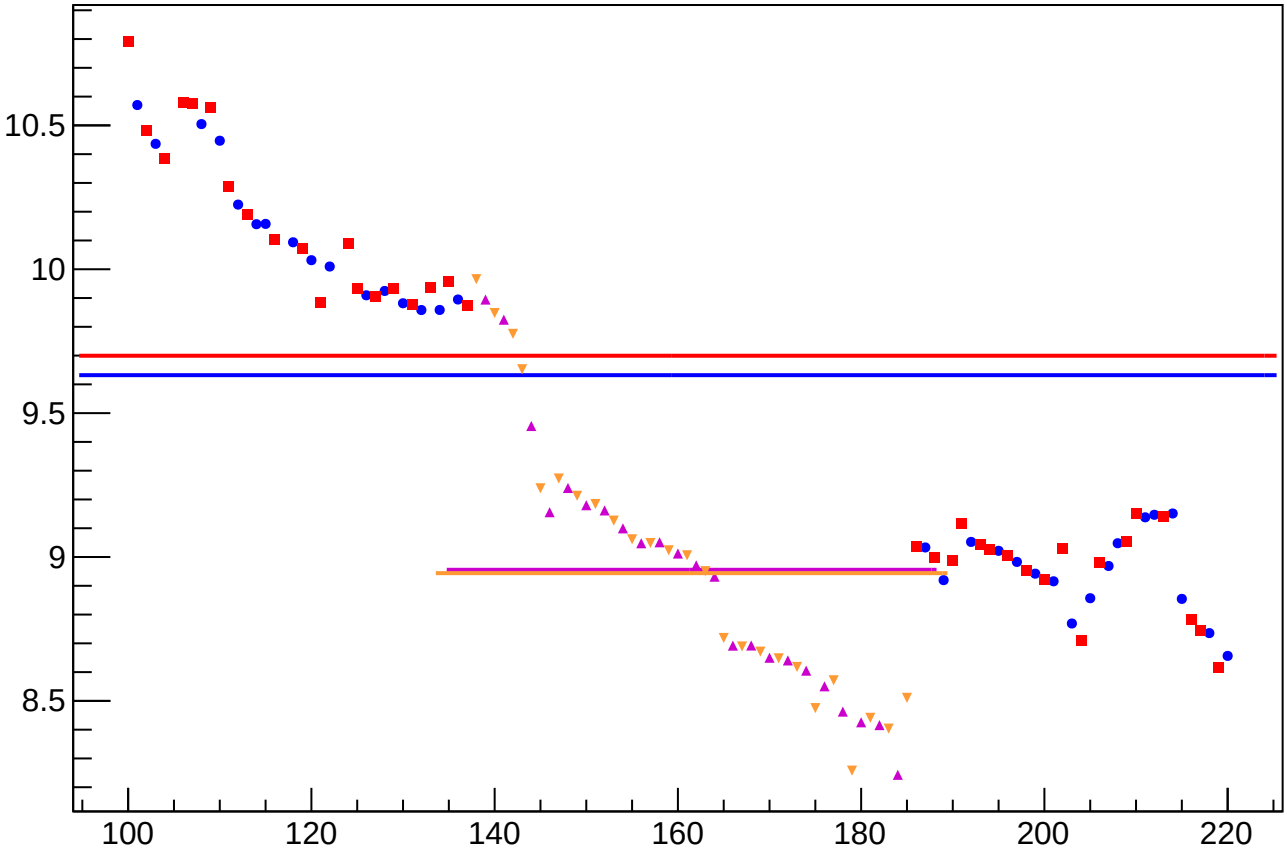
Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 13806664.8/57

All: 0.002+/-0.000 χ^2/NDF: 28396025.3/117

- sign 0.002+/-0.000 χ^2/NDF: 14564108.3/59

yield_sam8_mean vs Slug



Right In: 9.632+/-0.000 χ^2/NDF: 122759385845.0/32

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

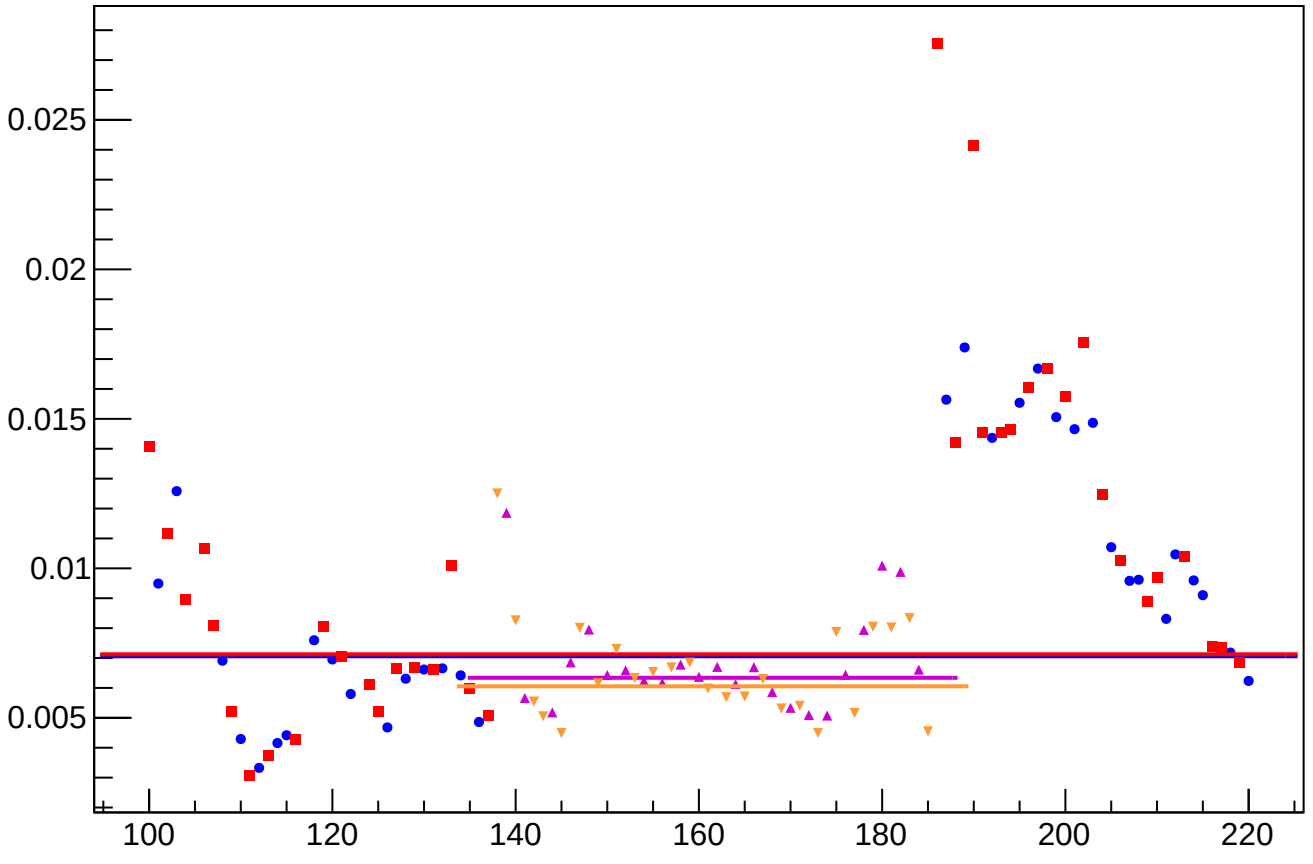
Right Out: 9.700+/-0.000 χ^2/NDF: 131162306869.6/36

Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.243+/-0.000 χ^2/NDF: 274324732727.2/57

All: 9.270+/-0.000 χ^2/NDF: 550885318704.0

- sign 9.300+/-0.000 χ^2/NDF: 275427756363.6/59



Right In: 0.007+/-0.000 χ^2/NDF: 6730531.8/32

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 8347375.2/36

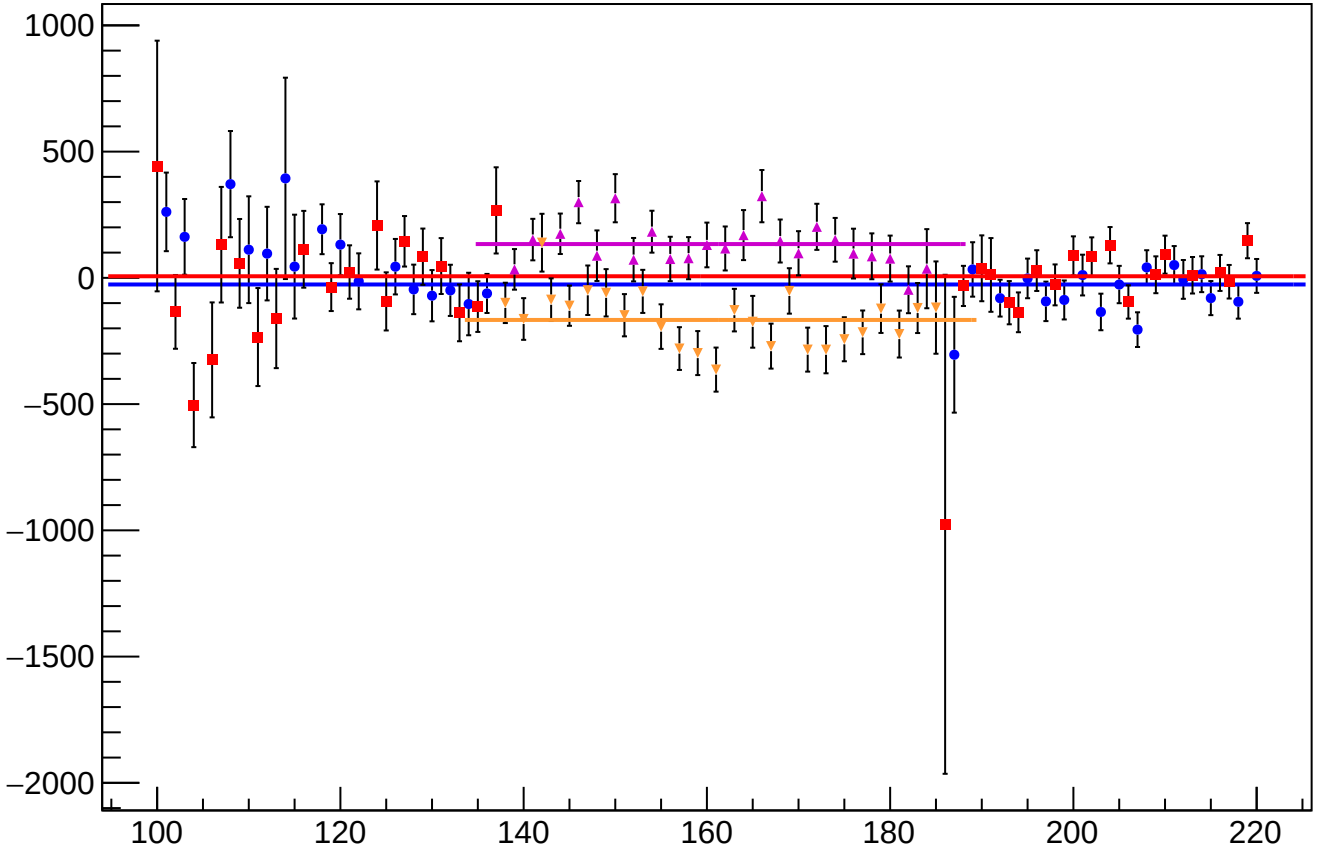
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 8557258.8/57

All: 0.007+/-0.000 χ^2/NDF: 18318252.1/117

- sign 0.007+/-0.000 χ^2/NDF: 9729269.9/59

reg_asym_sam1_mean vs Slug



Right In: -26.222+/-15.797 χ^2/NDF: 36.0/32

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: 6.347+/-16.114 χ^2/NDF: 45.9/36

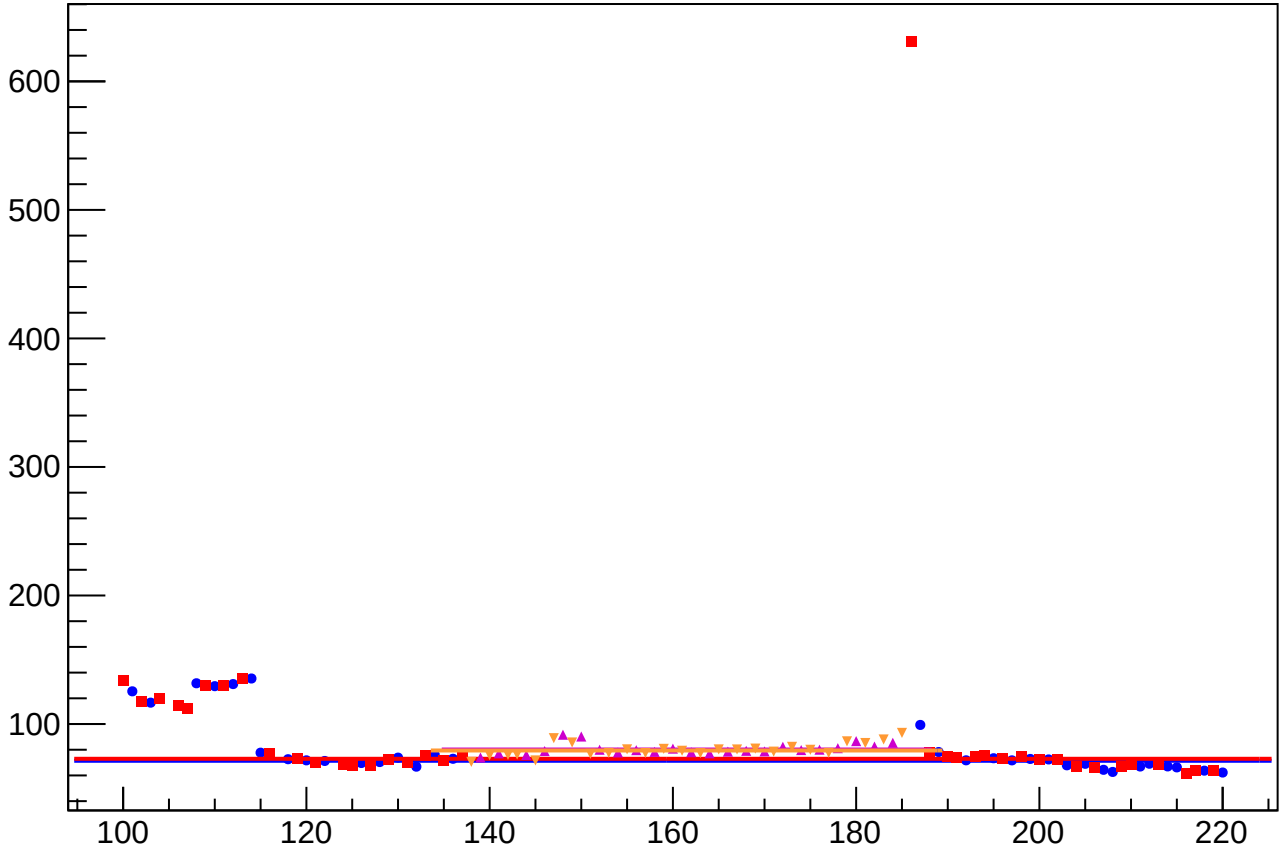
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -87.032+/-11.896 χ^2/NDF: 101.8/57

All: -15.269+/-8.525 χ^2/NDF: 269.9/117

- sign 60.493+/-12.223 χ^2/NDF: 93.2/59

reg_asym_sam1_rms vs Slug



Right In: 71.406+/-0.011 χ^2/NDF: 1200867.8/32

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 72.949+/-0.011 χ^2/NDF: 1940415.5/36

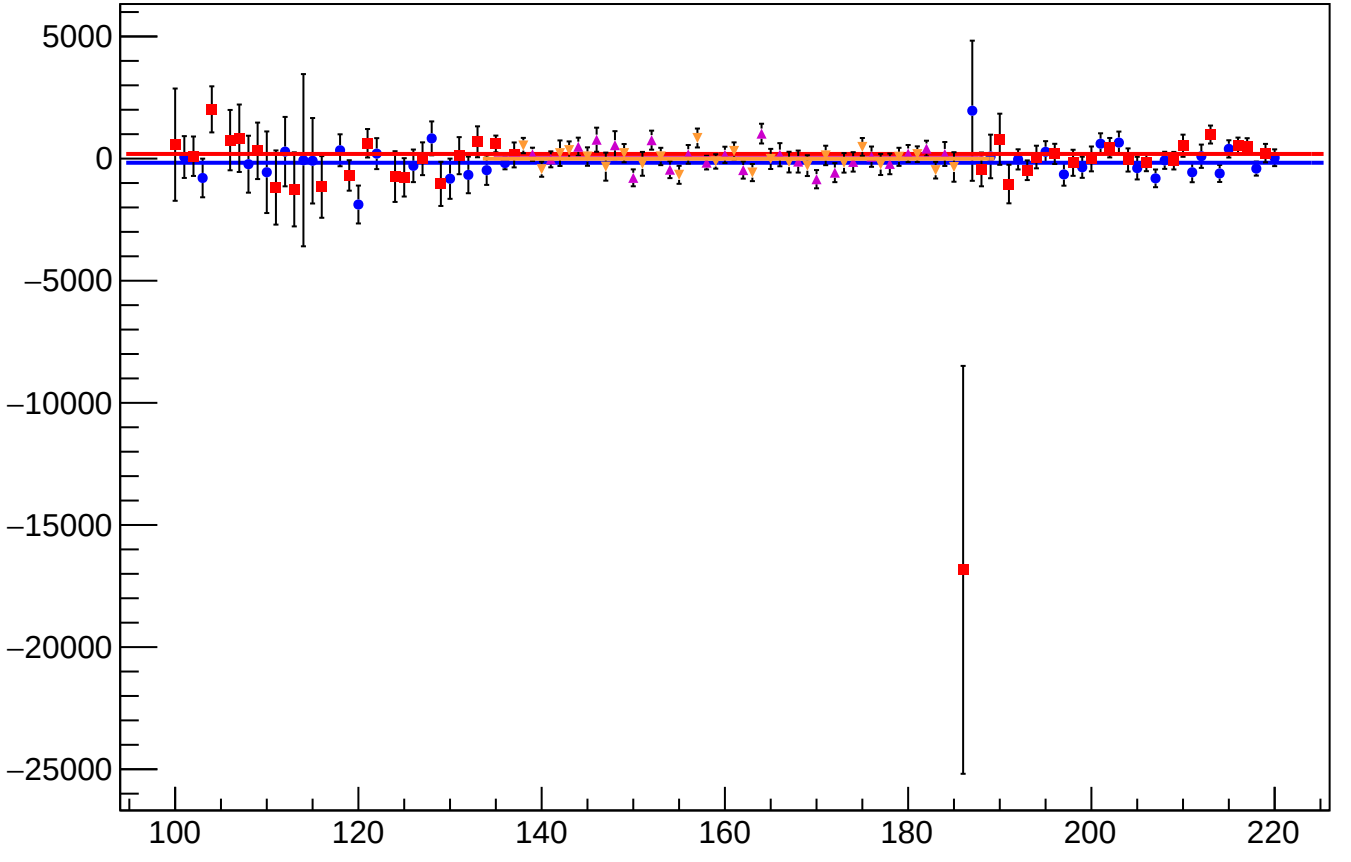
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 74.872+/-0.008 χ^2/NDF: 1557972.3/57

All: 75.426+/-0.006 χ^2/NDF: 3768867.6/117

- sign 76.012+/-0.009 χ^2/NDF: 2201959.5/59

asym_sam1_reg_correction_mean vs Slug



Right In: -170.290+/-85.188 χ^2/NDF: 29.7/32

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 190.475+/-88.342 χ^2/NDF: 36.8/36

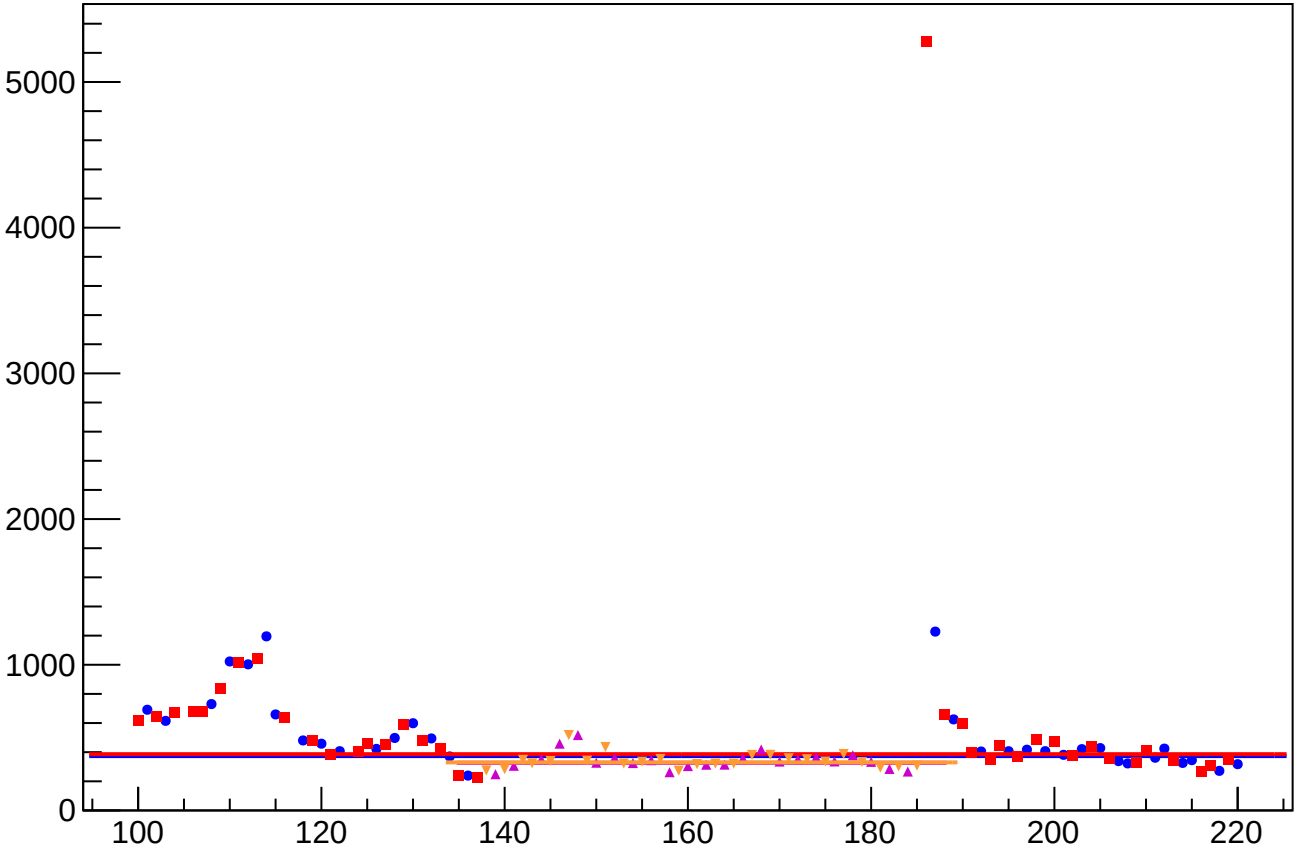
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -77.256+/-56.654 χ^2/NDF: 55.8/57

All: 5.852+/-40.622 χ^2/NDF: 134.2/117

- sign 93.787+/-58.276 χ^2/NDF: 74.0/59

asym_sam1_reg_correction_rms vs Slug



Right In: 373.089+/-0.060 χ^2/NDF: 3299514.2/32

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 386.306+/-0.062 χ^2/NDF: 4276770.5/36

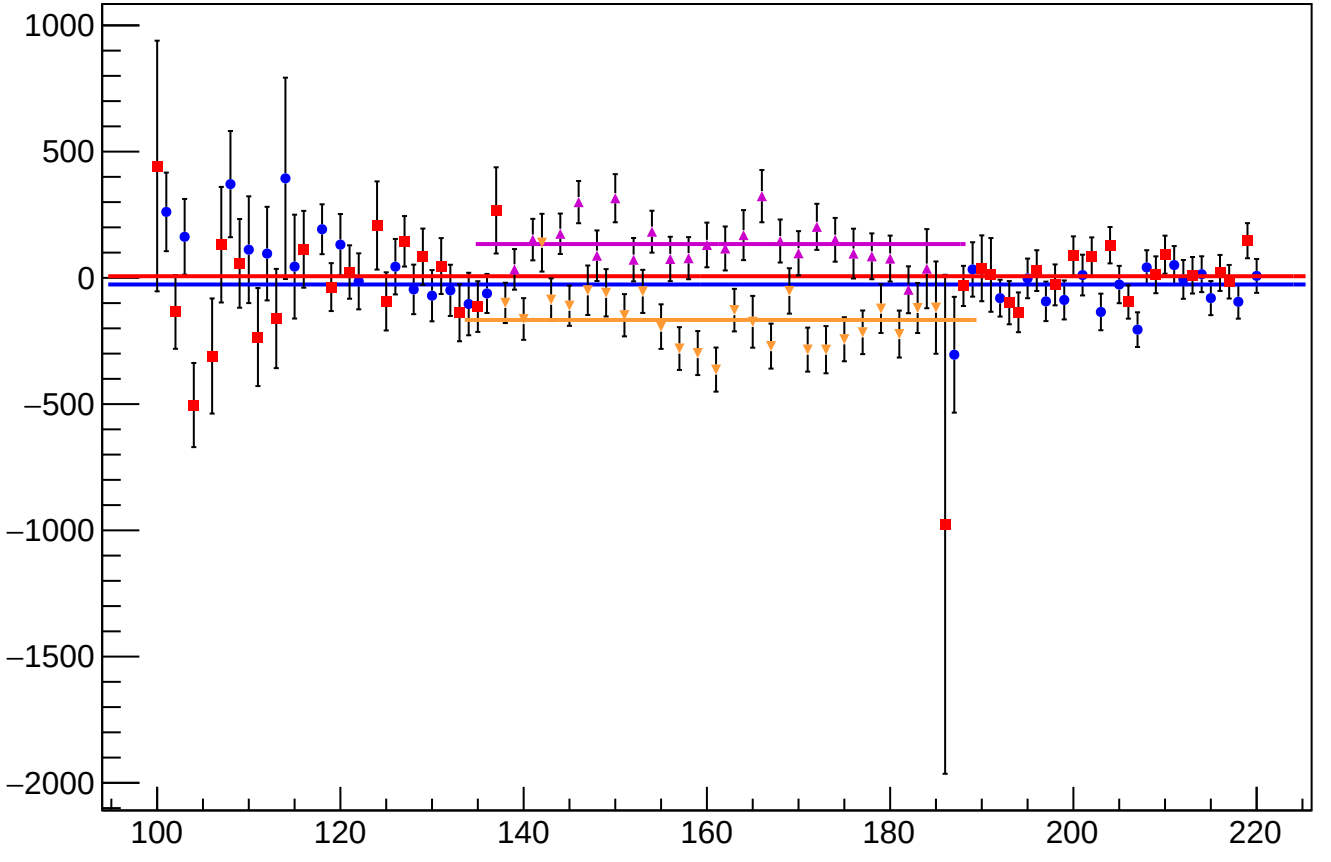
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 349.040+/-0.040 χ^2/NDF: 4244565.0/57

All: 350.861+/-0.029 χ^2/NDF: 9934657.8/117

- sign 352.787+/-0.041 χ^2/NDF: 5685843.2/59

cor_asym_sam1_mean vs Slug



Right In: -26.223+/-15.797 χ^2/NDF: 36.0/32

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 6.429+/-16.115 χ^2/NDF: 45.7/36

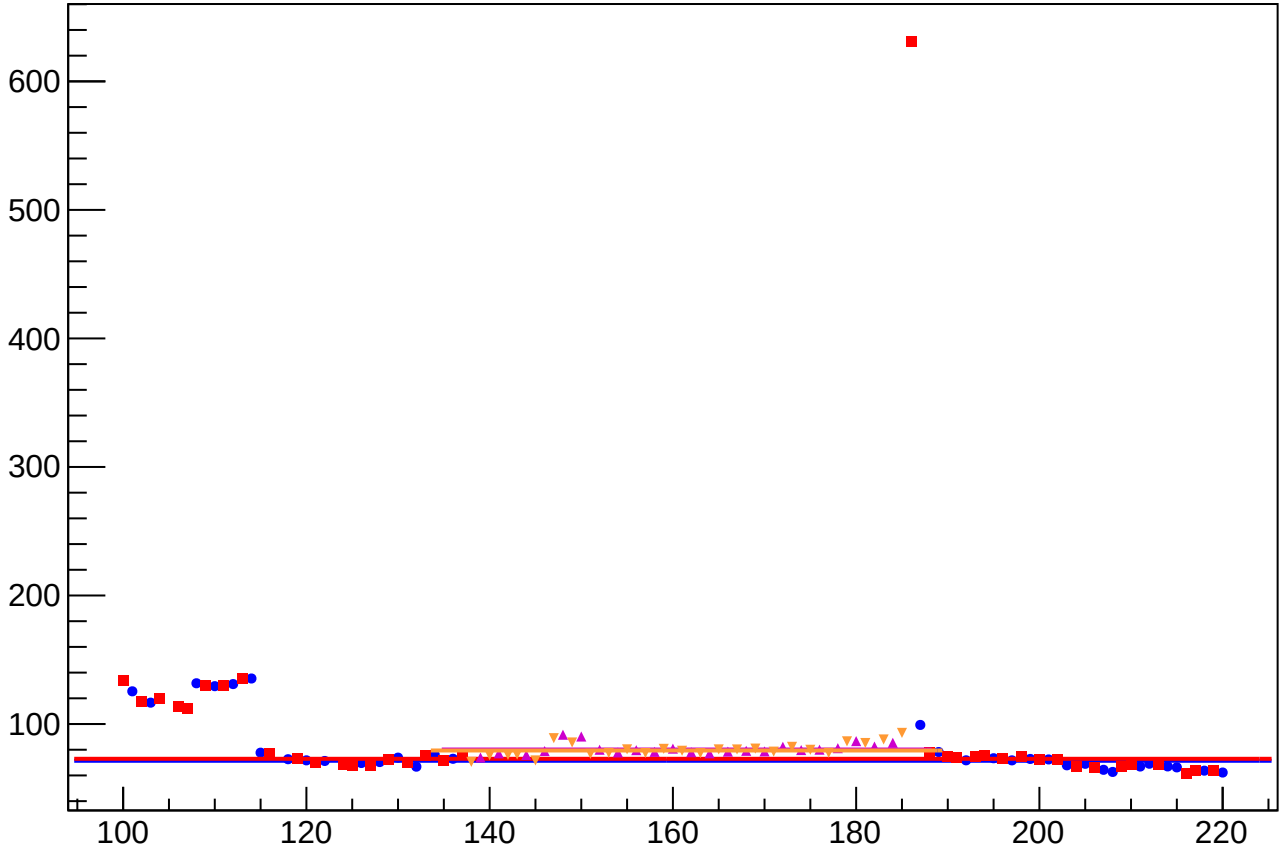
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -87.032+/-11.896 χ^2/NDF: 101.8/57

All: -15.245+/-8.525 χ^2/NDF: 269.7/117

- sign 60.543+/-12.223 χ^2/NDF: 93.0/59

cor_asym_sam1_rms vs Slug



Right In: 71.406+/-0.011 χ^2/NDF: 1200868.0/32

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 72.945+/-0.011 χ^2/NDF: 1937970.8/36

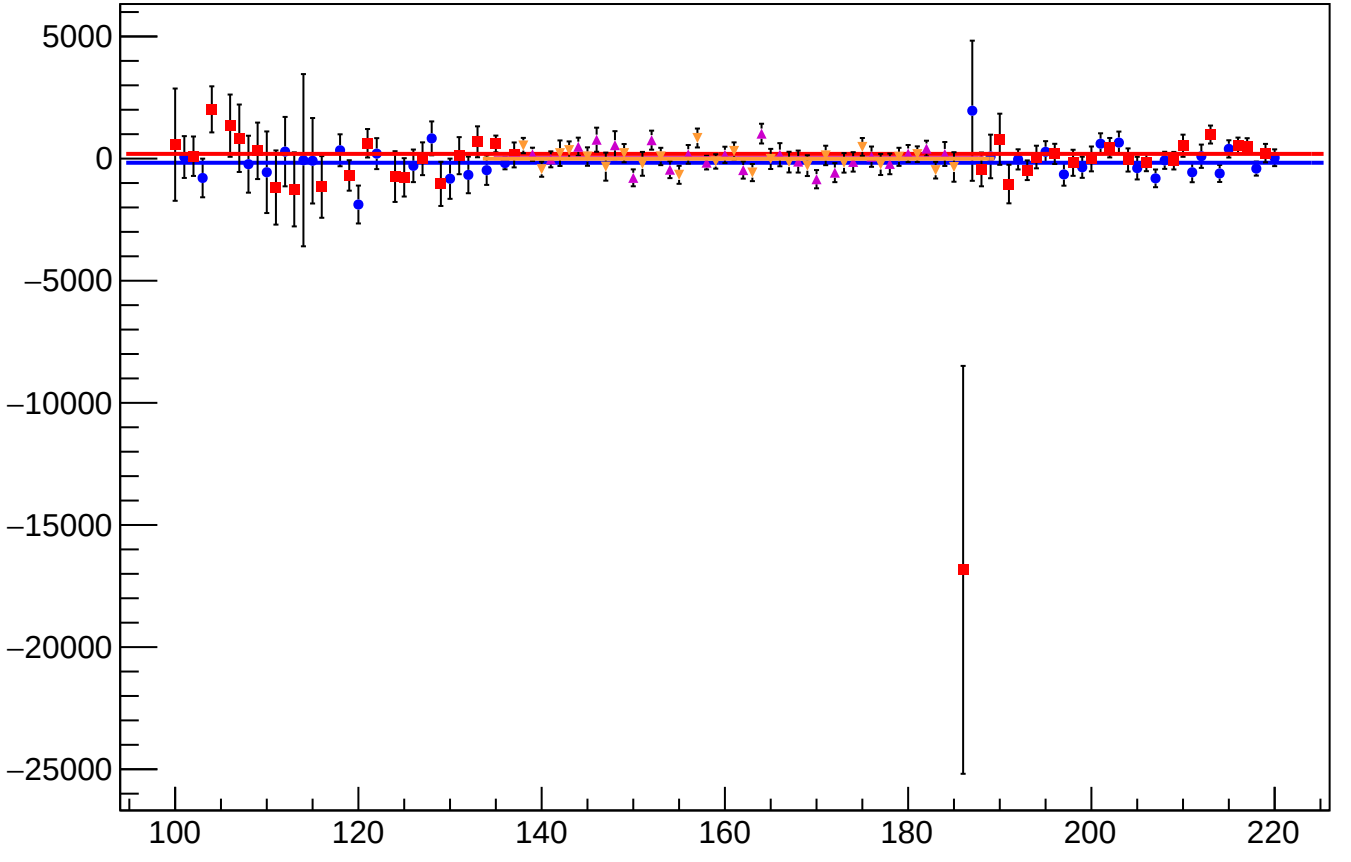
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 74.872+/-0.008 χ^2/NDF: 1557972.5/57

All: 75.425+/-0.006 χ^2/NDF: 3766582.4/117

- sign 76.009+/-0.009 χ^2/NDF: 2199711.4/59

asym_sam1_cor_correction_mean vs Slug



Right In: -170.296+/-85.188 χ^2/NDF: 29.7/32

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 193.149+/-88.356 χ^2/NDF: 37.4/36

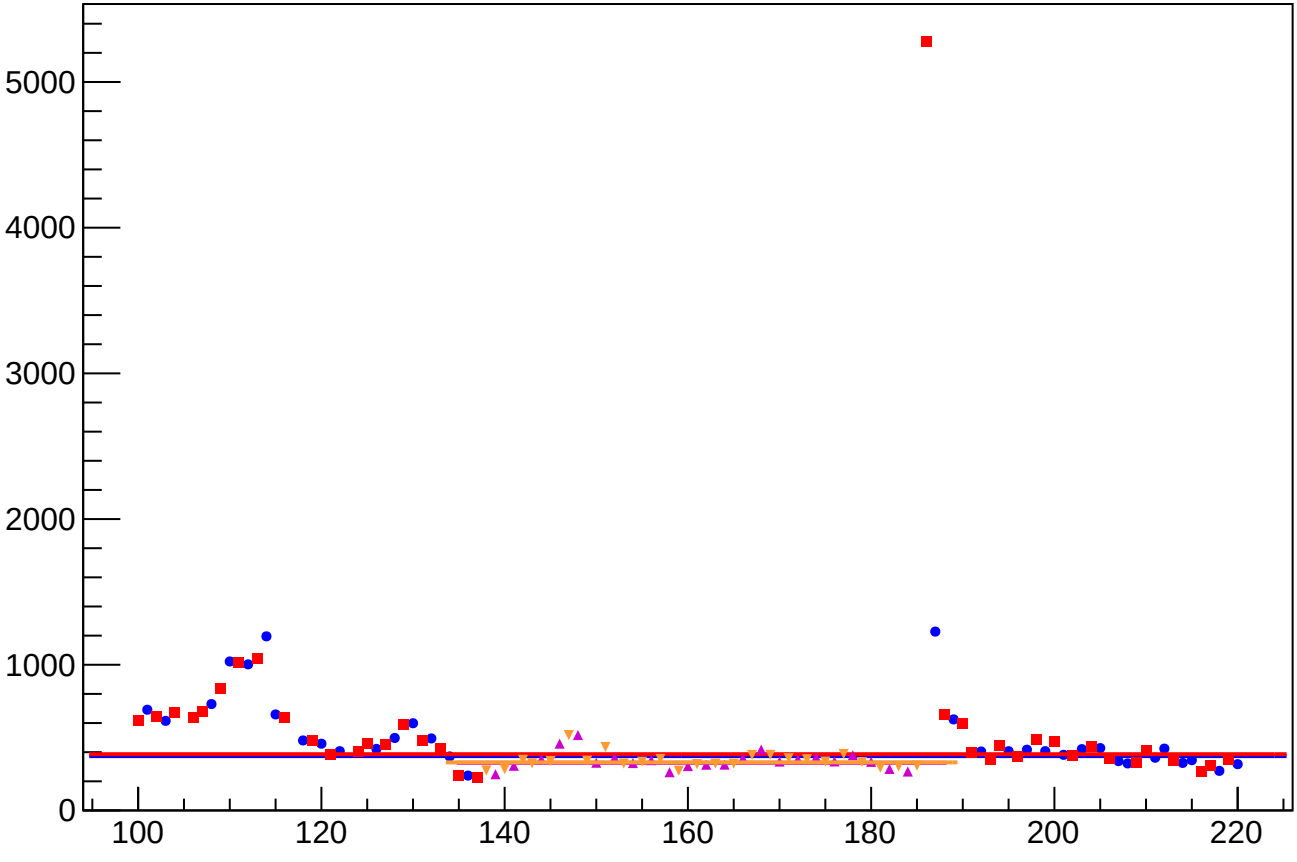
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -77.258+/-56.654 χ^2/NDF: 55.8/57

All: 6.406+/-40.623 χ^2/NDF: 135.0/117

- sign 94.942+/-58.280 χ^2/NDF: 74.6/59

asym_sam1_cor_correction_rms vs Slug



Right In: 373.089+/-0.060 χ^2/NDF: 3299516.5/32

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 386.027+/-0.062 χ^2/NDF: 4243510.3/36

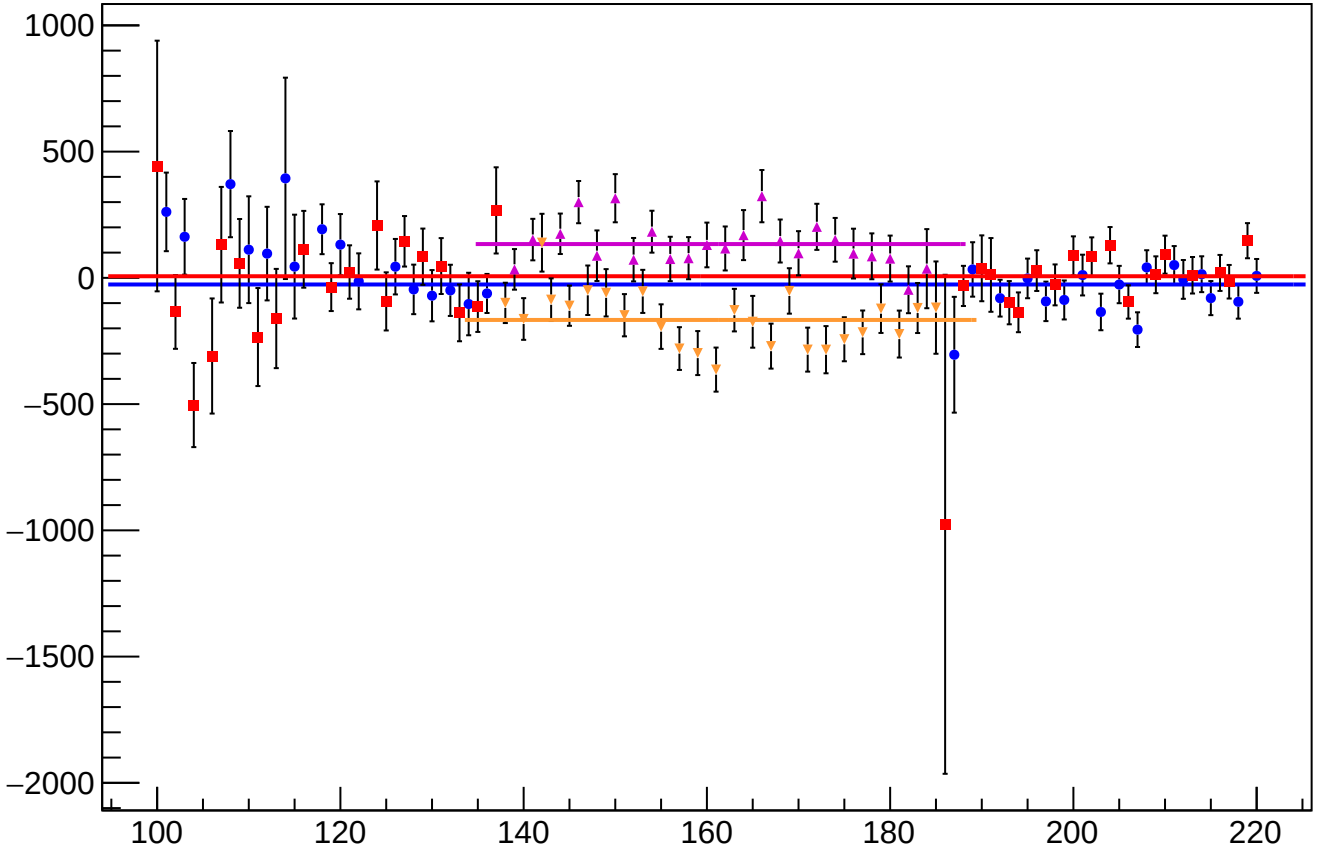
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 349.040+/-0.040 χ^2/NDF: 4244576.1/57

All: 350.799+/-0.029 χ^2/NDF: 9896268.1/117

- sign 352.661+/-0.041 χ^2/NDF: 5647722.8/59

eigen_cor_asym_sam1_mean vs Slug



Right In: -26.223+/-15.797 χ^2/NDF: 36.0/32

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: 6.429+/-16.115 χ^2/NDF: 45.7/36

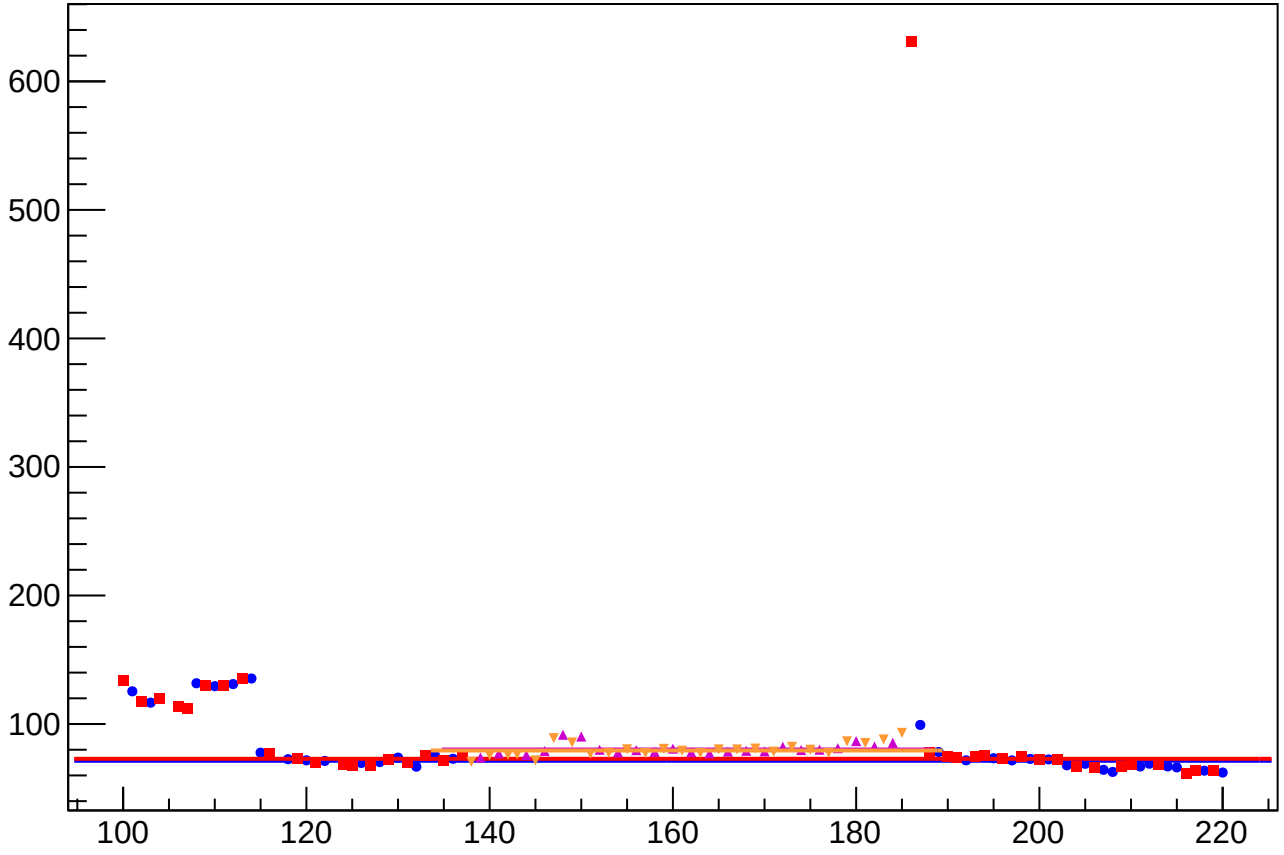
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -87.032+/-11.896 χ^2/NDF: 101.8/57

All: -15.245+/-8.525 χ^2/NDF: 269.7/117

- sign 60.543+/-12.223 χ^2/NDF: 93.0/59

eigen_cor_asym_sam1_rms vs Slug



Right In: 71.406+/-0.011 χ^2/NDF: 1200868.0/32

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 72.945+/-0.011 χ^2/NDF: 1937970.8/36

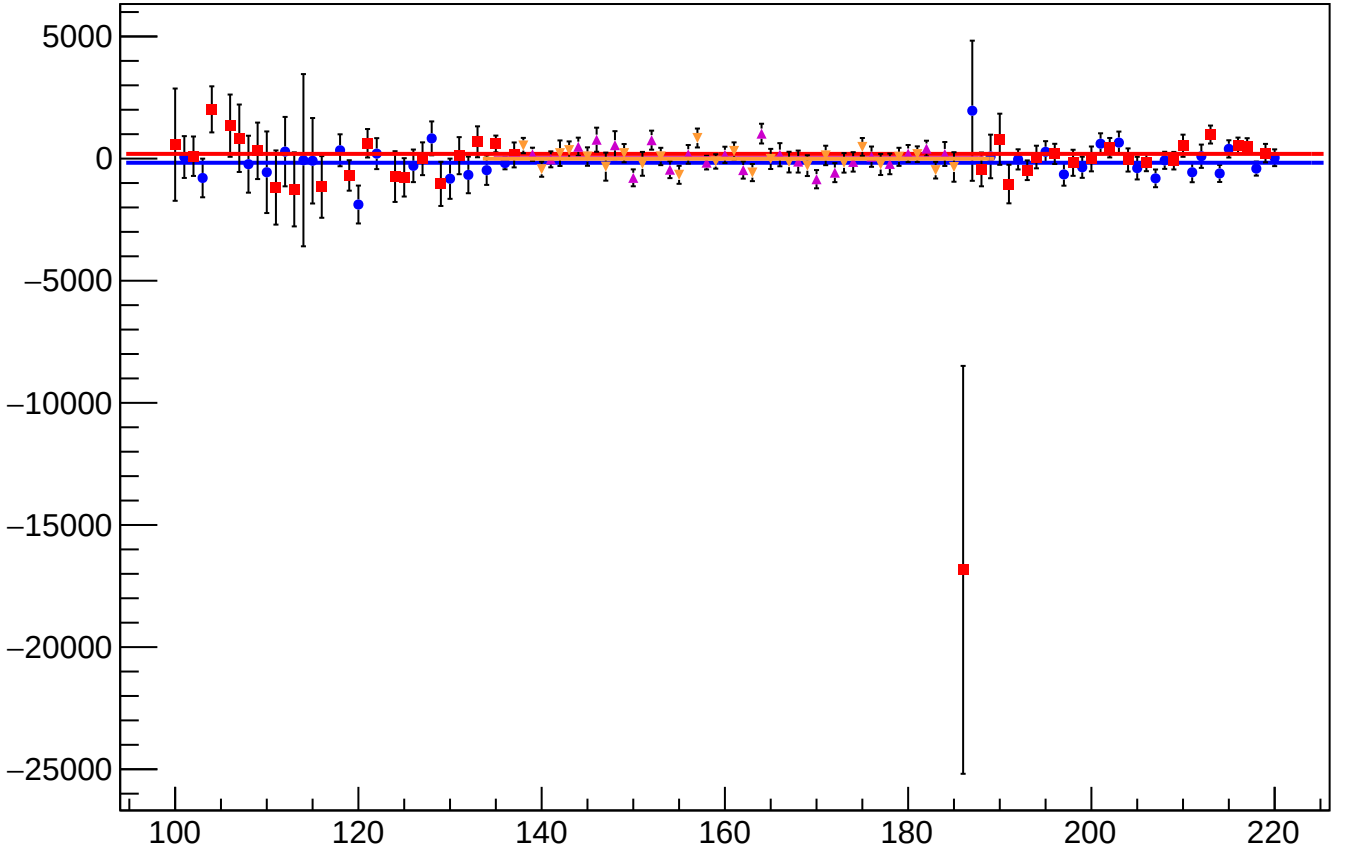
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 74.872+/-0.008 χ^2/NDF: 1557972.5/57

All: 75.425+/-0.006 χ^2/NDF: 3766582.4/117

- sign 76.009+/-0.009 χ^2/NDF: 2199711.4/59

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -170.296+/-85.188 χ^2/NDF: 29.7/32

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 193.149+/-88.356 χ^2/NDF: 37.4/36

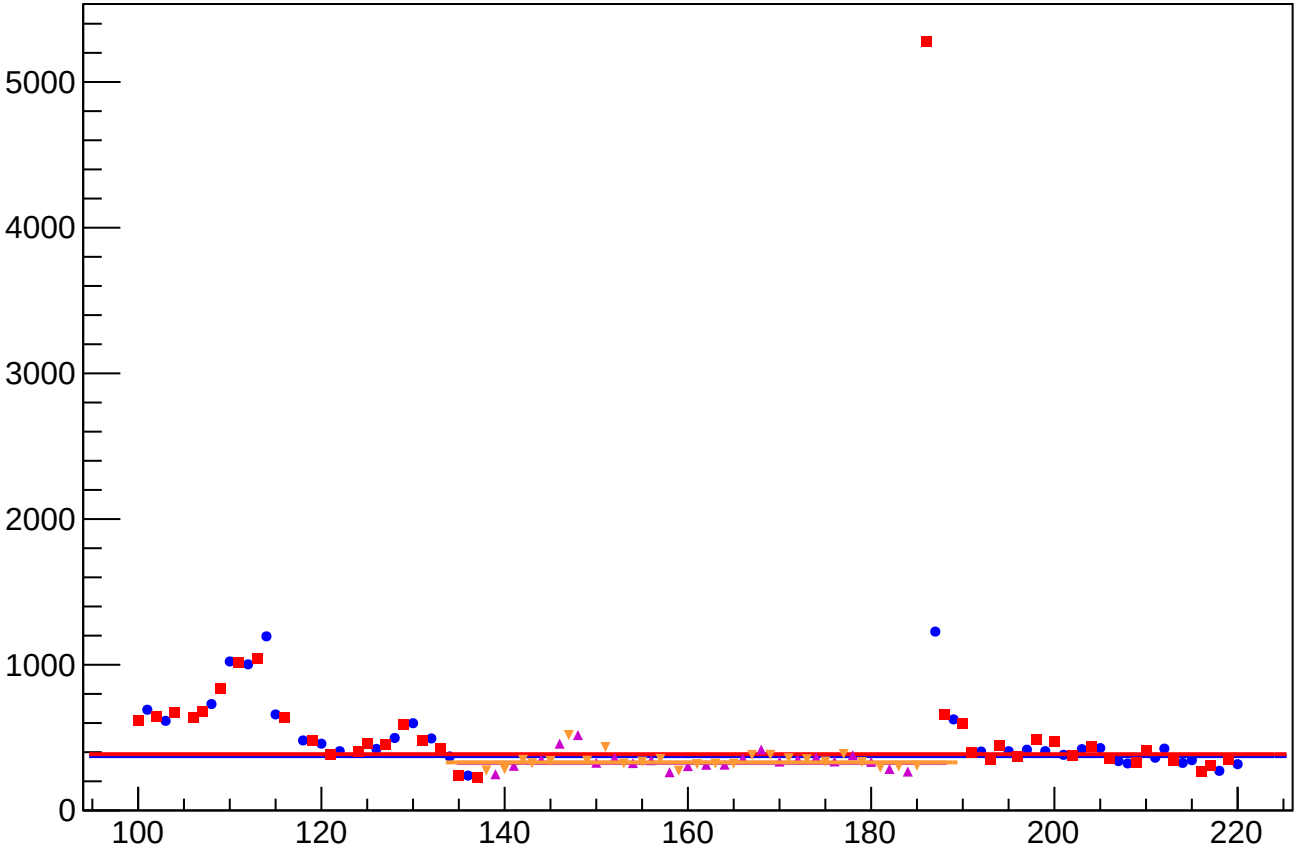
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -77.258+/-56.654 χ^2/NDF: 55.8/57

All: 6.406+/-40.623 χ^2/NDF: 135.0/117

- sign 94.942+/-58.280 χ^2/NDF: 74.6/59

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 373.089+/-0.060 χ^2/NDF: 3299516.5/32

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 386.027+/-0.062 χ^2/NDF: 4243510.3/36

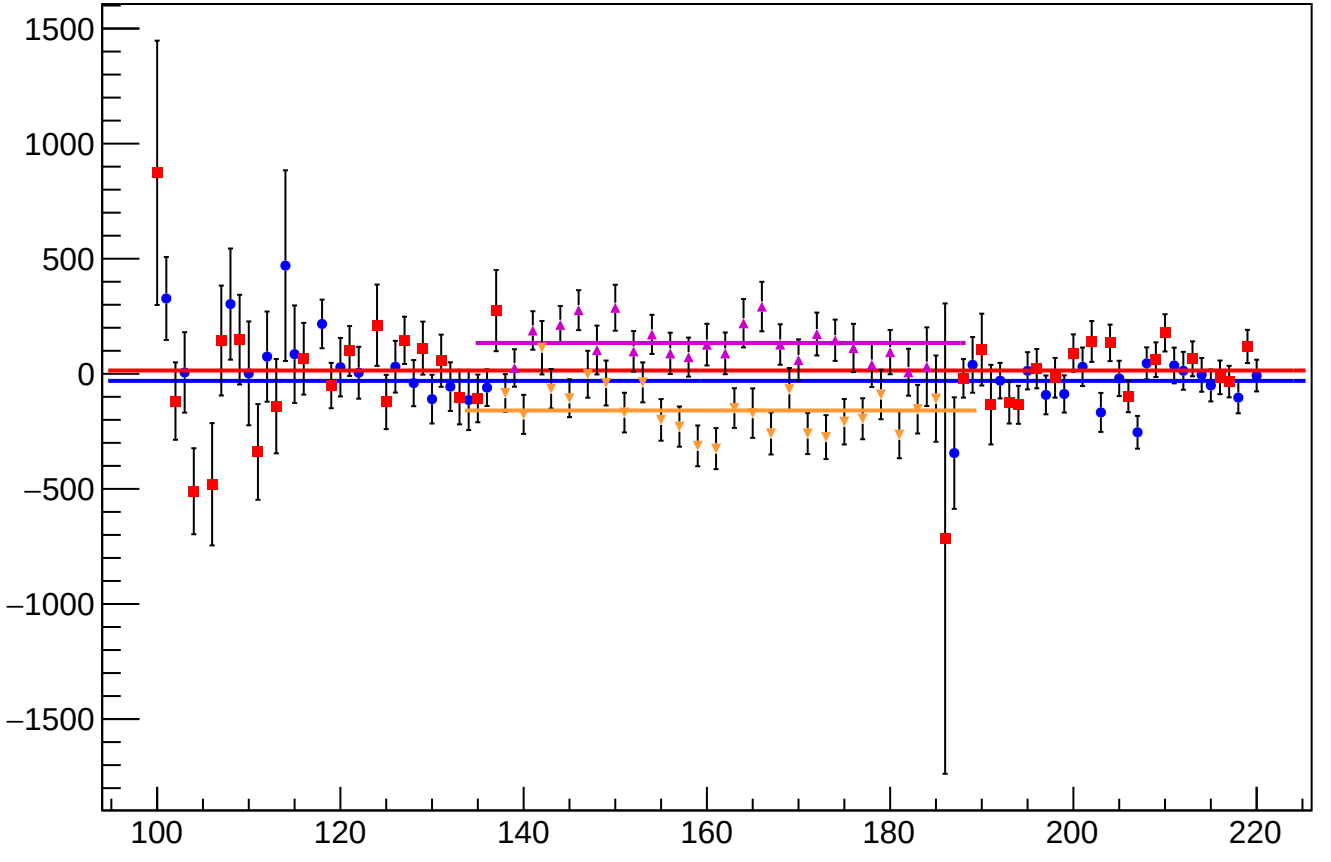
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 349.040+/-0.040 χ^2/NDF: 4244576.1/57

All: 350.799+/-0.029 χ^2/NDF: 9896268.1/117

- sign 352.661+/-0.041 χ^2/NDF: 5647722.8/59

dit_asym_sam1_mean vs Slug



Right In: -30.681+/-16.555 χ^2/NDF: 35.3/32

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 14.424+/-17.001 χ^2/NDF: 52.4/36

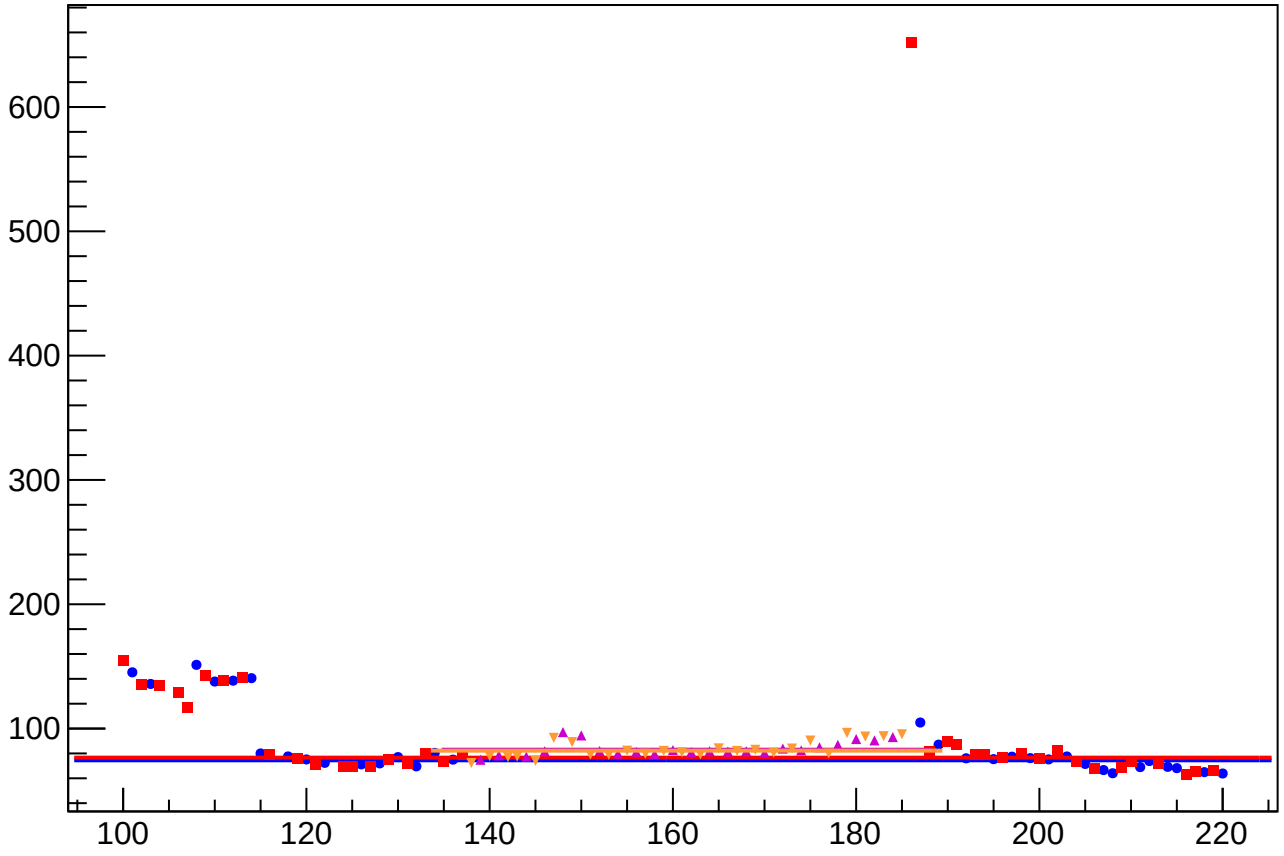
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -86.995+/-12.410 χ^2/NDF: 89.9/57

All: -12.731+/-8.909 χ^2/NDF: 254.0/117

- sign 66.246+/-12.798 χ^2/NDF: 90.2/59

dit_asym_sam1_rms vs Slug



Right In: 74.481+/-0.012 χ^2/NDF: 1452377.7/32

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 76.601+/-0.012 χ^2/NDF: 2162068.4/36

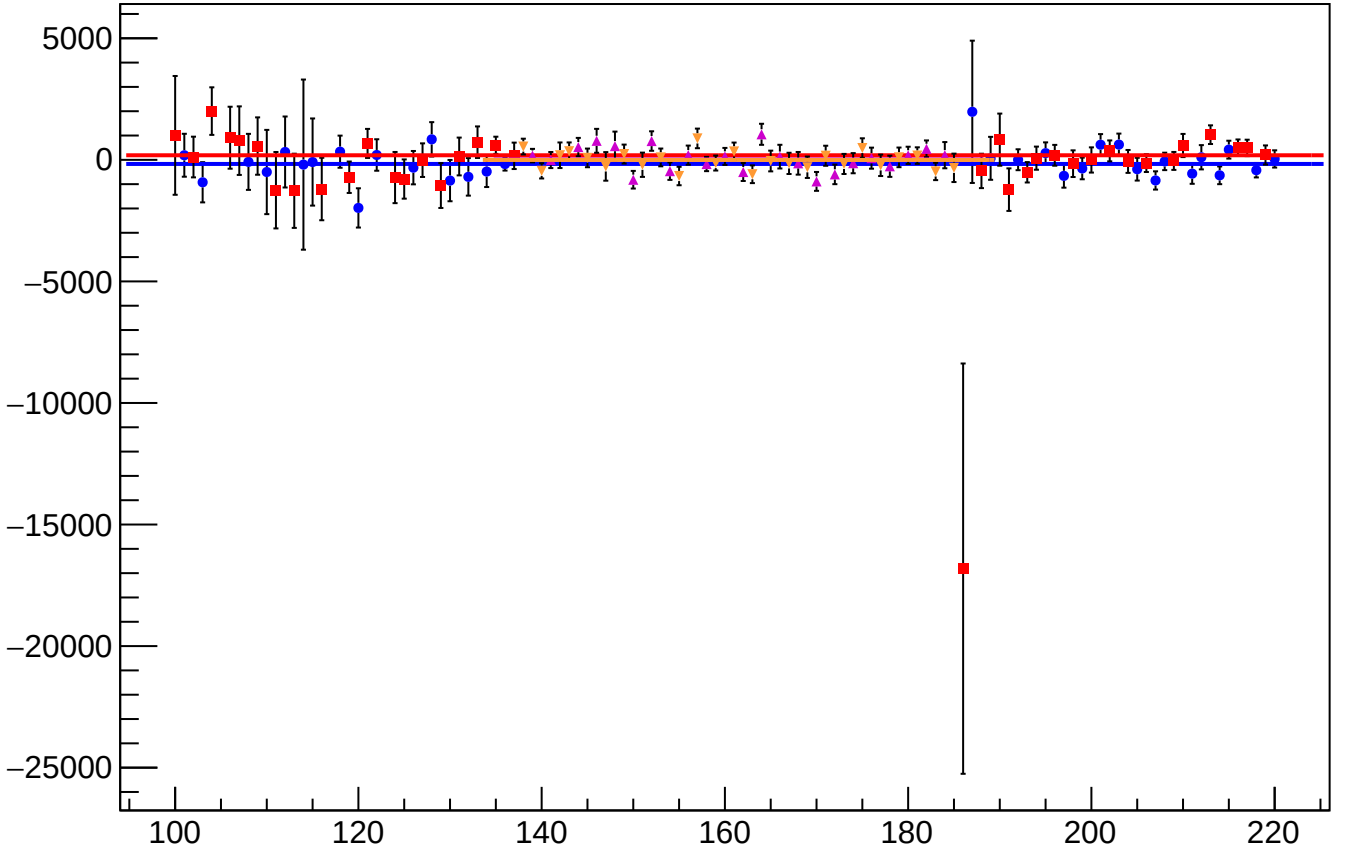
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 77.884+/-0.009 χ^2/NDF: 1861715.7/57

All: 78.604+/-0.006 χ^2/NDF: 4305842.1/117

- sign 79.371+/-0.009 χ^2/NDF: 2430209.1/59

asym_sam1_dit_correction_mean vs Slug



Right In: -168.963+/-87.974 χ^2/NDF: 29.9/32

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 188.120+/-91.538 χ^2/NDF: 36.1/36

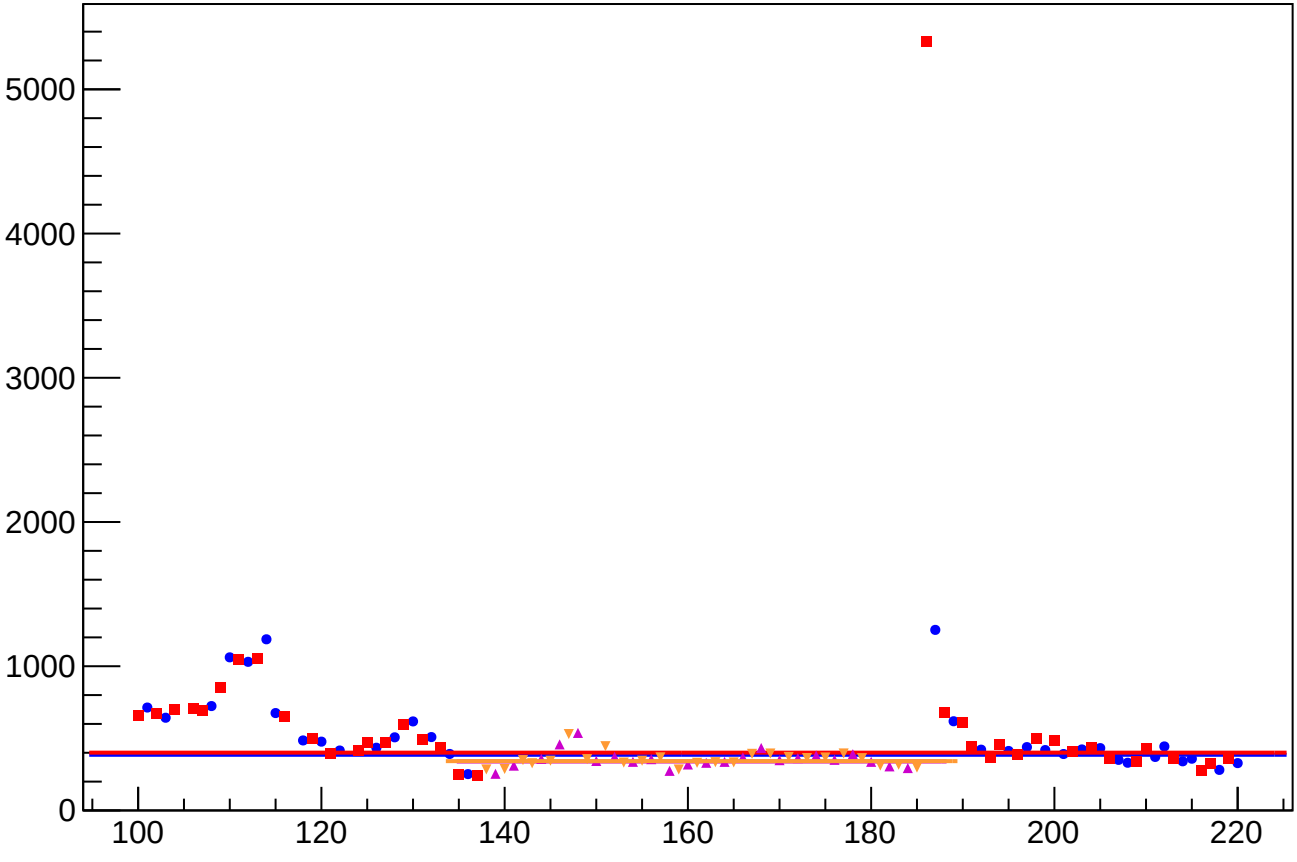
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

\+ sign -76.705+/-58.606 χ^2/NDF: 55.4/57

All: 4.730+/-42.065 χ^2/NDF: 132.4/117

\- sign 91.260+/-60.411 χ^2/NDF: 73.0/59

asym_sam1_dit_correction_rms vs Slug



Right In: 386.032+/-0.062 χ^2/NDF: 3176302.3/32

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 400.844+/-0.065 χ^2/NDF: 4166719.3/36

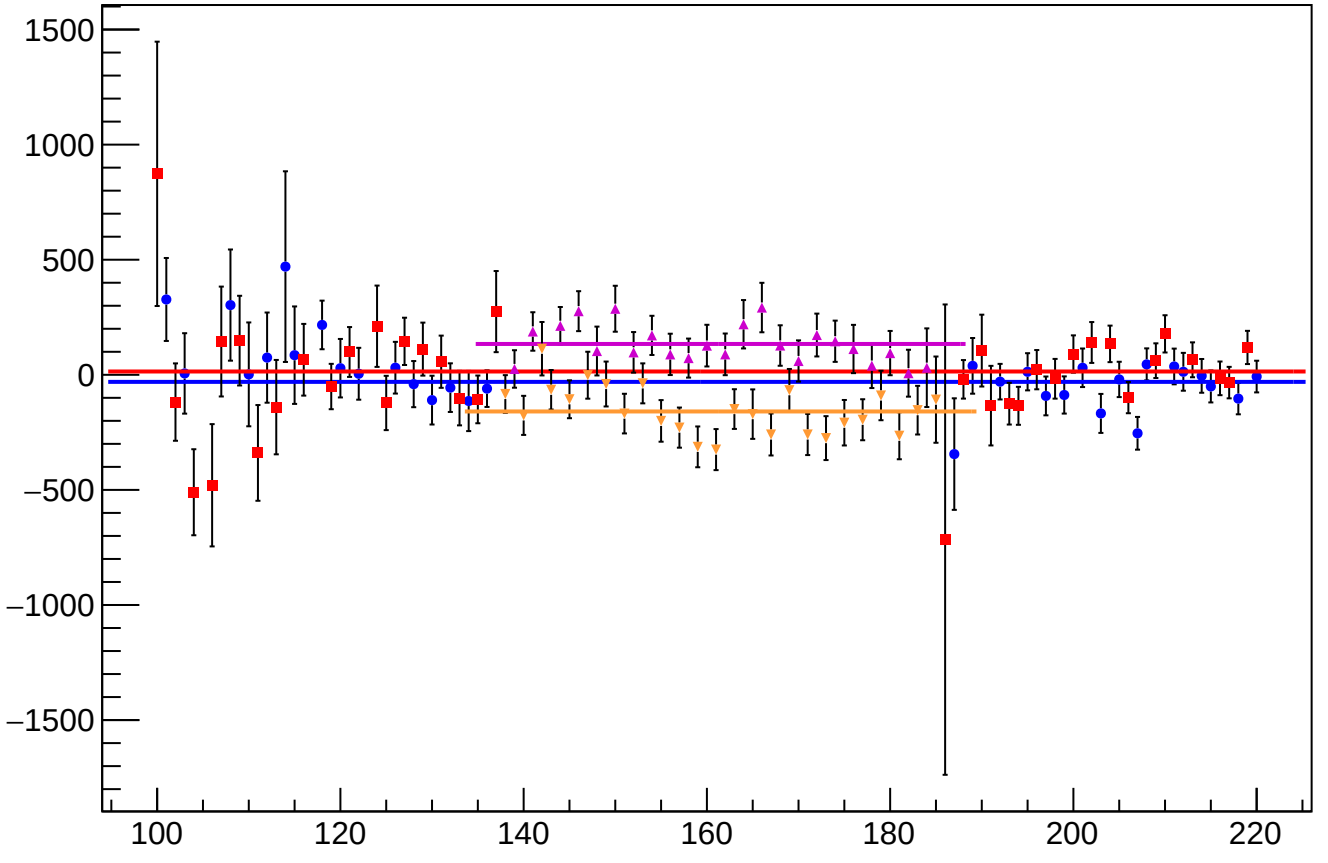
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 361.495+/-0.041 χ^2/NDF: 4109952.5/57

All: 363.766+/-0.030 χ^2/NDF: 9637724.9/117

- sign 366.179+/-0.043 χ^2/NDF: 5521579.0/59

eigen_dit_asym_sam1_mean vs Slug



Right In: -30.680+/-16.555 χ^2/NDF: 35.3/32

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: 14.425+/-17.001 χ^2/NDF: 52.4/36

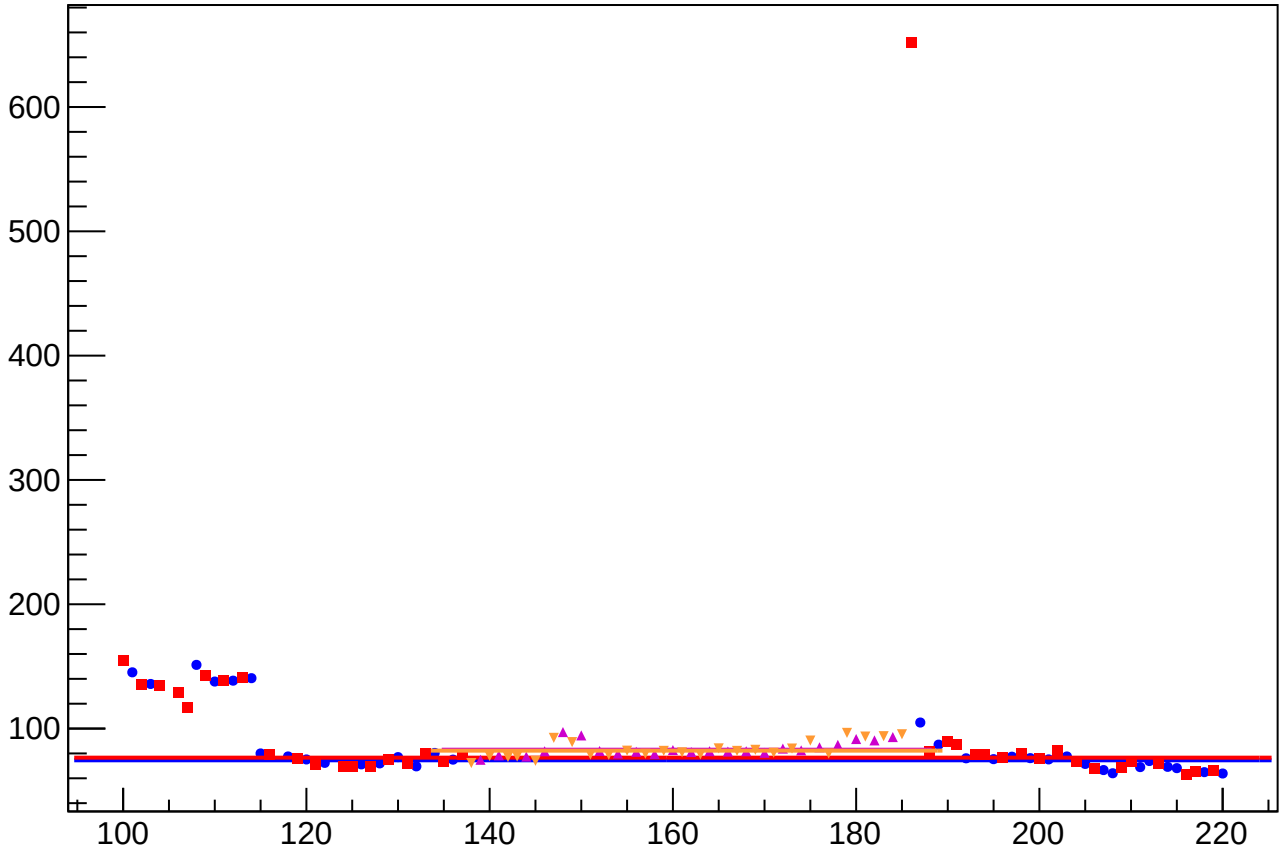
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -86.994+/-12.410 χ^2/NDF: 89.9/57

All: -12.730+/-8.909 χ^2/NDF: 254.0/117

- sign 66.246+/-12.798 χ^2/NDF: 90.2/59

eigen_dit_asym_sam1_rms vs Slug



Right In: 74.481+/-0.012 χ^2/NDF: 1452378.3/32

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

Right Out: 76.600+/-0.012 χ^2/NDF: 2162068.8/36

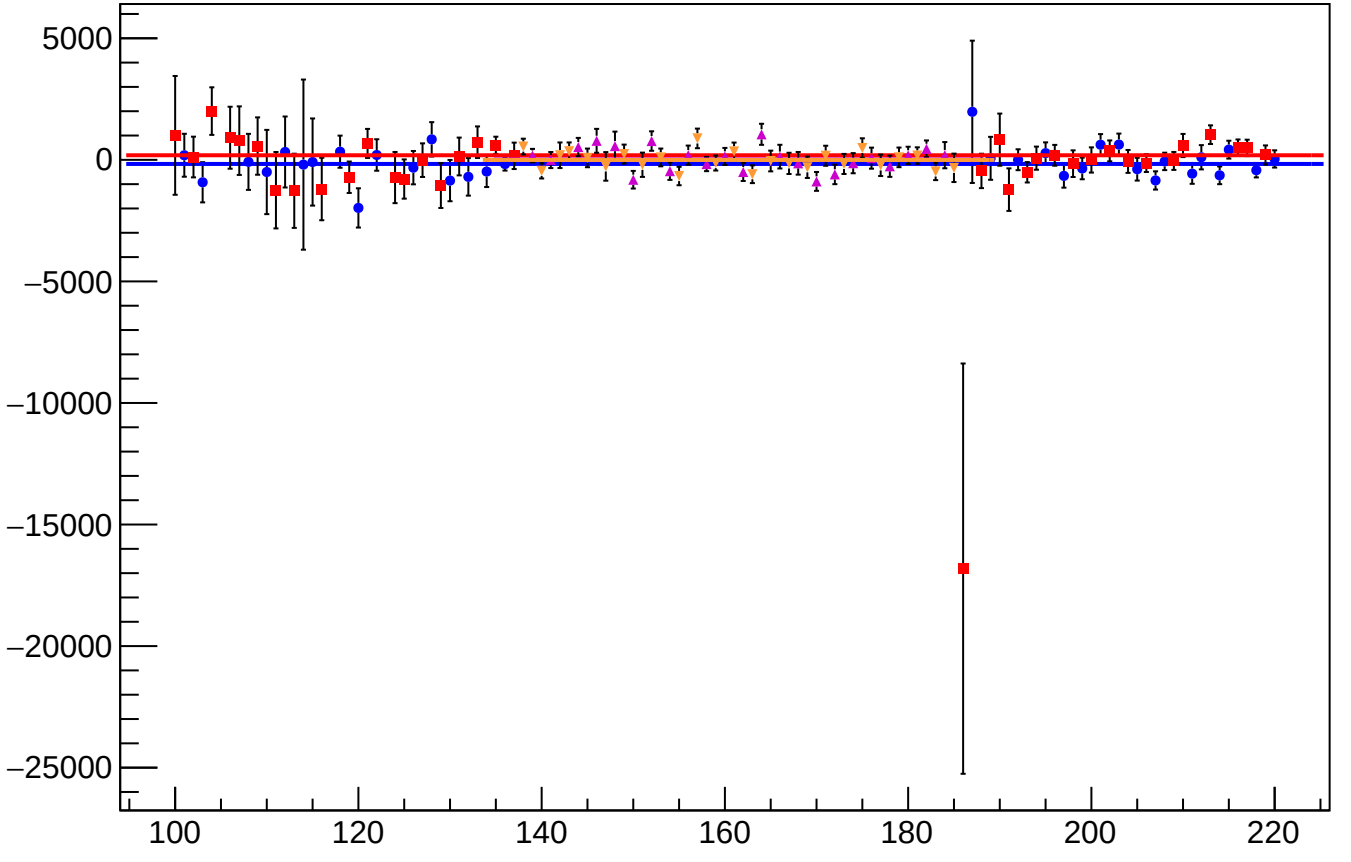
Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 77.884+/-0.009 χ^2/NDF: 1861722.2/57

All: 78.604+/-0.006 χ^2/NDF: 4305852.0/117

- sign 79.371+/-0.009 χ^2/NDF: 2430212.9/59

asym_sam1_eigen_dit_correction_mean vs Slug



Right In: -168.961+/-87.974 χ^2/NDF: 29.9/32

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 188.121+/-91.537 χ^2/NDF: 36.1/36

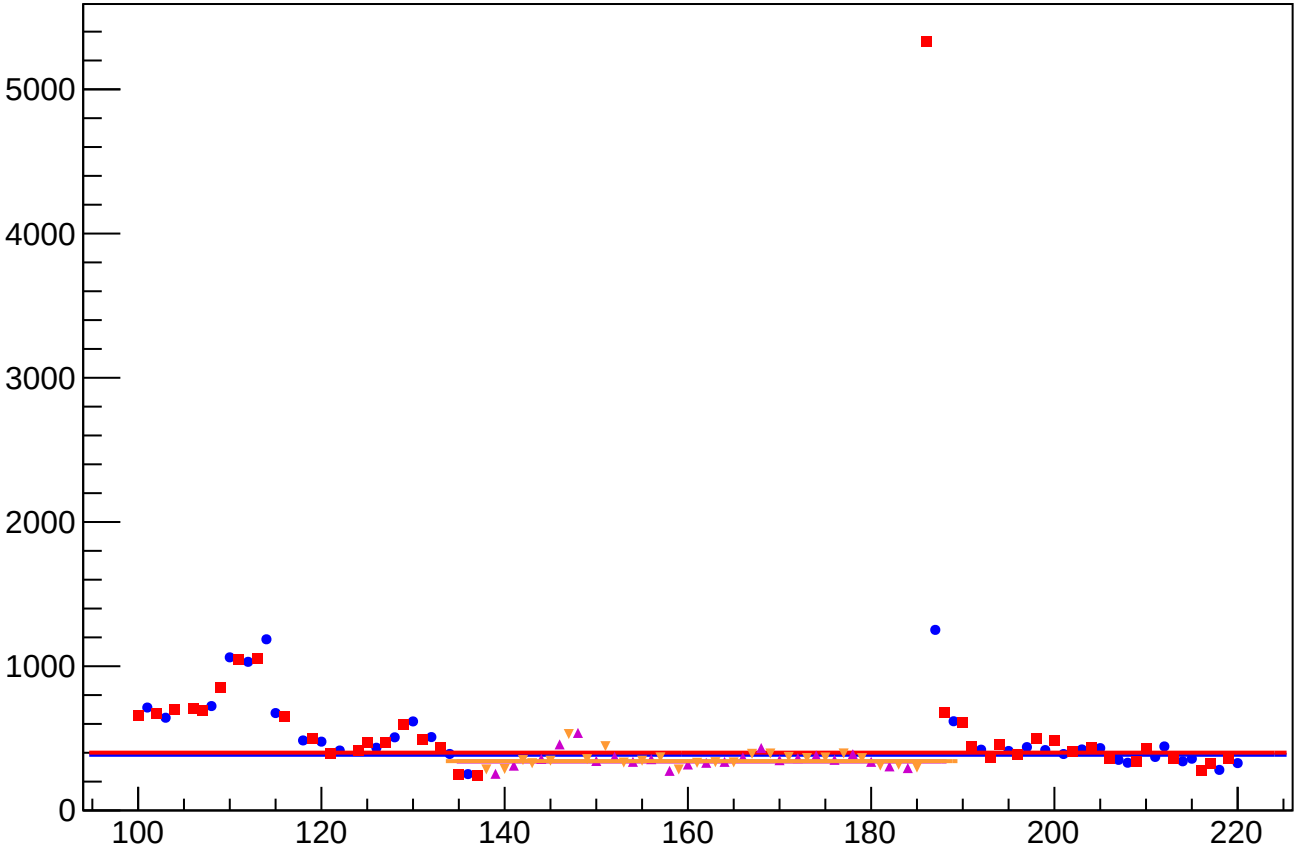
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -76.704+/-58.606 χ^2/NDF: 55.4/57

All: 4.731+/-42.064 χ^2/NDF: 132.4/117

- sign 91.260+/-60.411 χ^2/NDF: 73.0/59

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 386.031+/-0.062 χ^2/NDF: 3176306.3/32

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 400.843+/-0.065 χ^2/NDF: 4166726.5/36

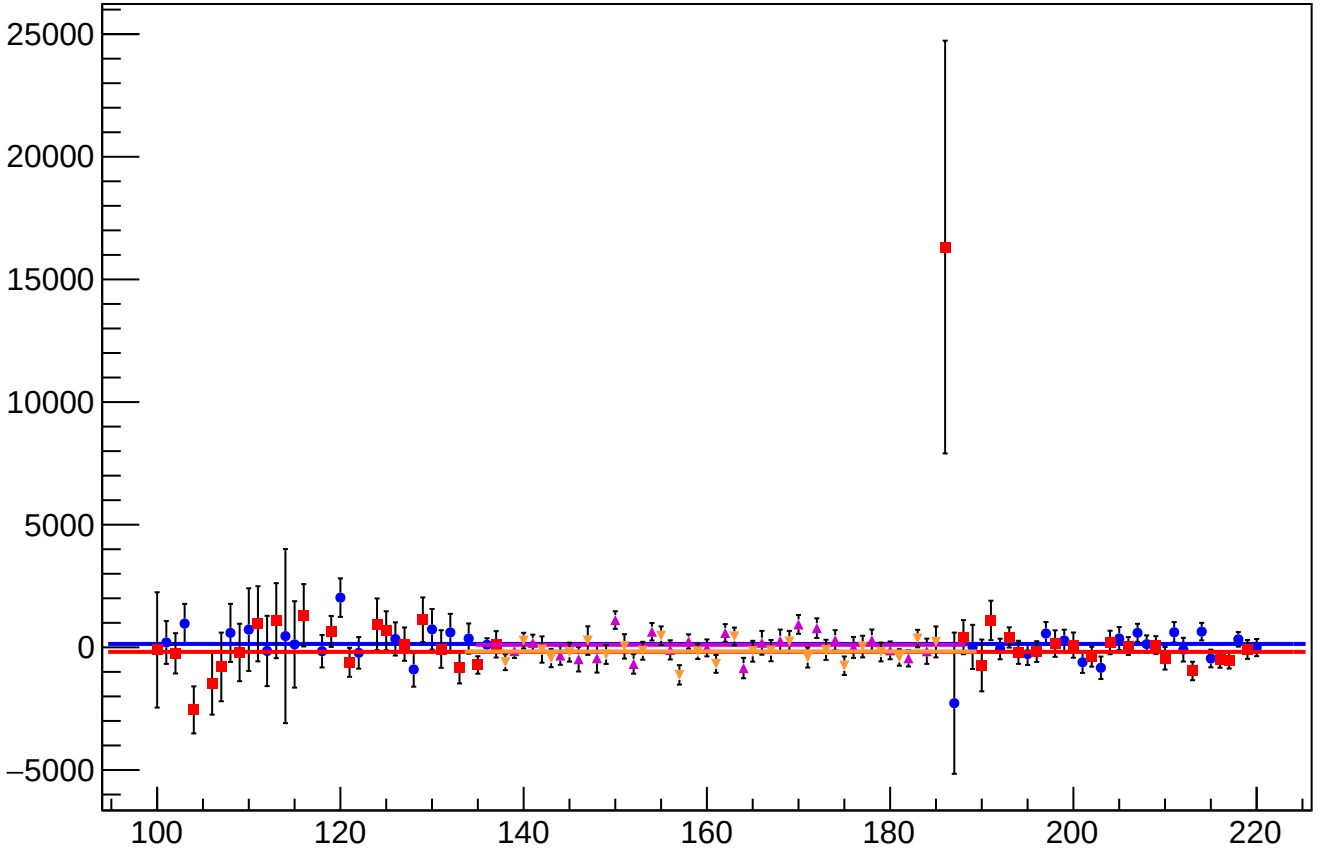
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 361.495+/-0.041 χ^2/NDF: 4109949.9/57

All: 363.766+/-0.030 χ^2/NDF: 9637720.4/117

- sign 366.178+/-0.043 χ^2/NDF: 5521577.1/59

asym_sam1_mean vs Slug



Right In: 139.603+/-86.989 χ^2/NDF: 29.8/32

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -184.611+/-90.163 χ^2/NDF: 39.1/36

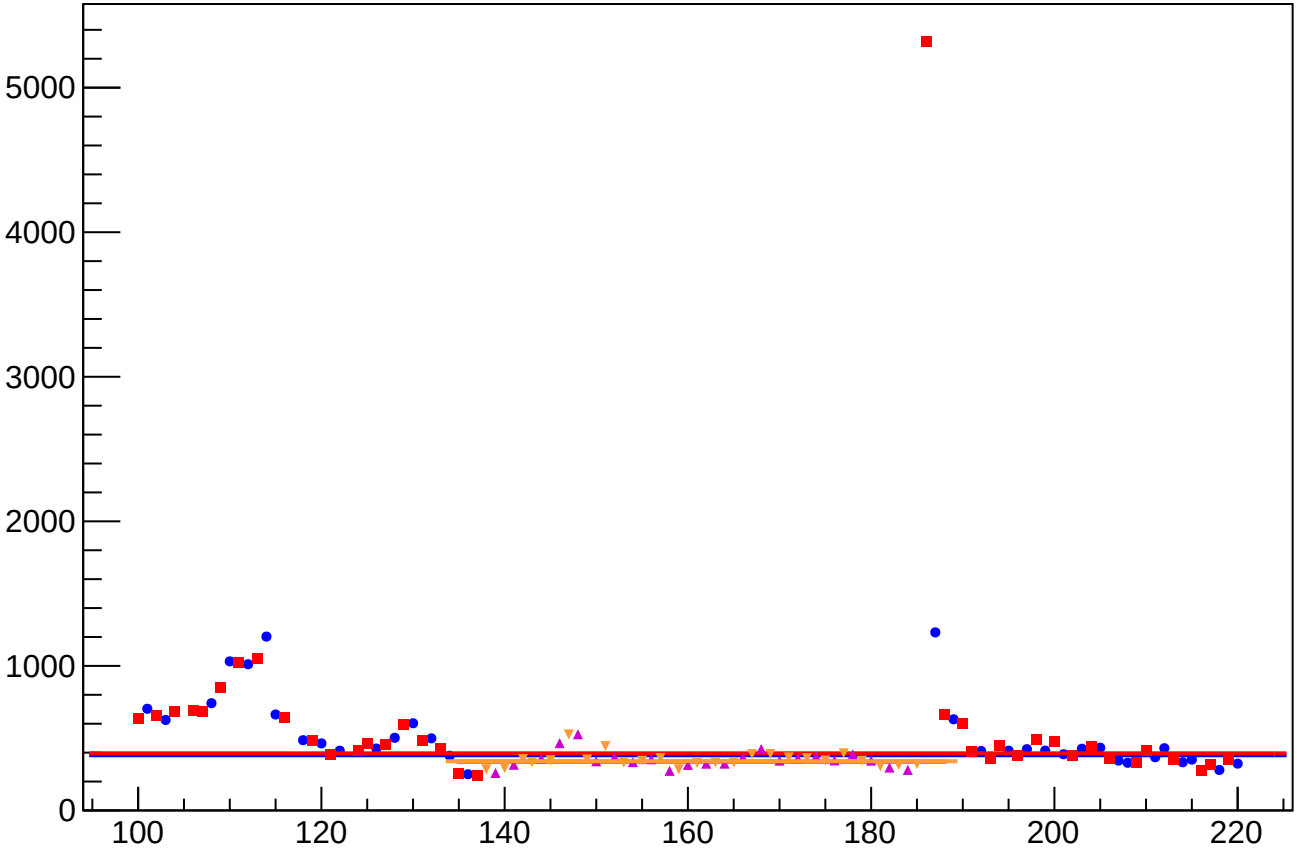
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -30.216+/-58.147 χ^2/NDF: 62.2/57

All: -26.766+/-41.701 χ^2/NDF: 144.6/117

- sign -23.113+/-59.839 χ^2/NDF: 82.4/59

asym_sam1_rms vs Slug



Right In: 381.826+/-0.062 χ^2/NDF: 3150314.9/32

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 395.095+/-0.064 χ^2/NDF: 4119432.6/36

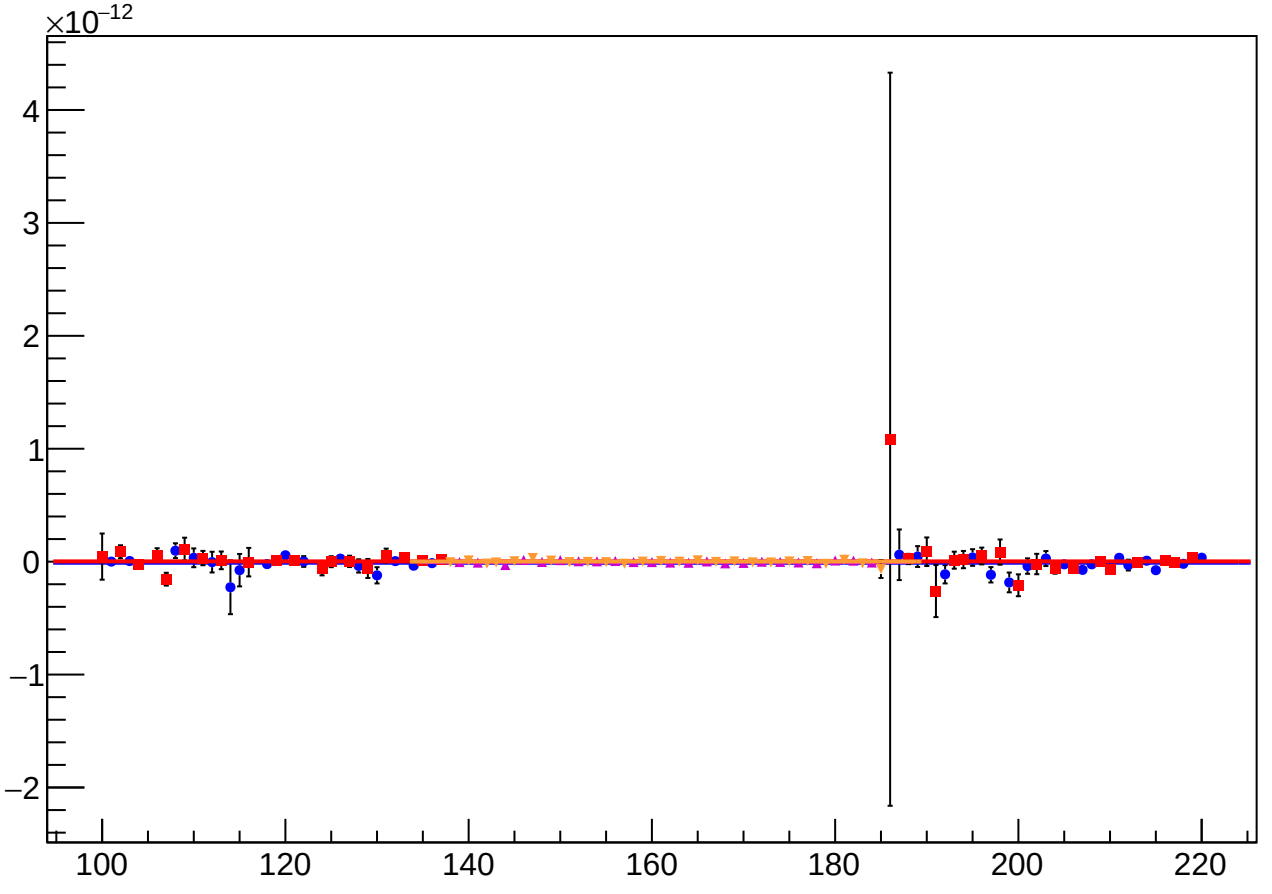
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 358.905+/-0.041 χ^2/NDF: 4005484.5/57

All: 360.900+/-0.029 χ^2/NDF: 9402992.5/117

- sign 363.013+/-0.042 χ^2/NDF: 5392658.5/59

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 38.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

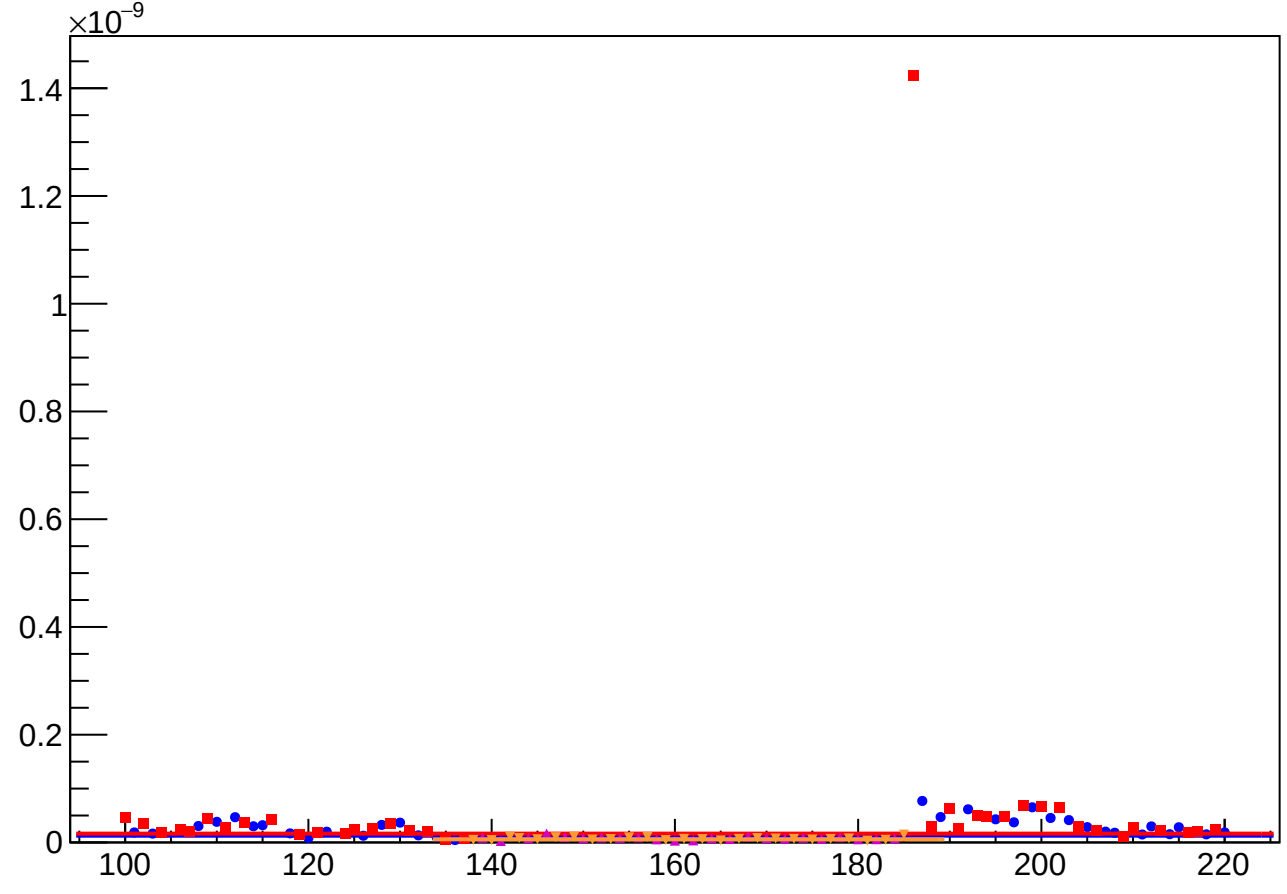
Right Out: 0.000+/-0.000 χ^2/NDF: 35.1/36

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.5/57

All: -0.000+/-0.000 χ^2/NDF: 106.7/117

- sign -0.000+/-0.000 χ^2/NDF: 47.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 8240492.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7502541.9/36

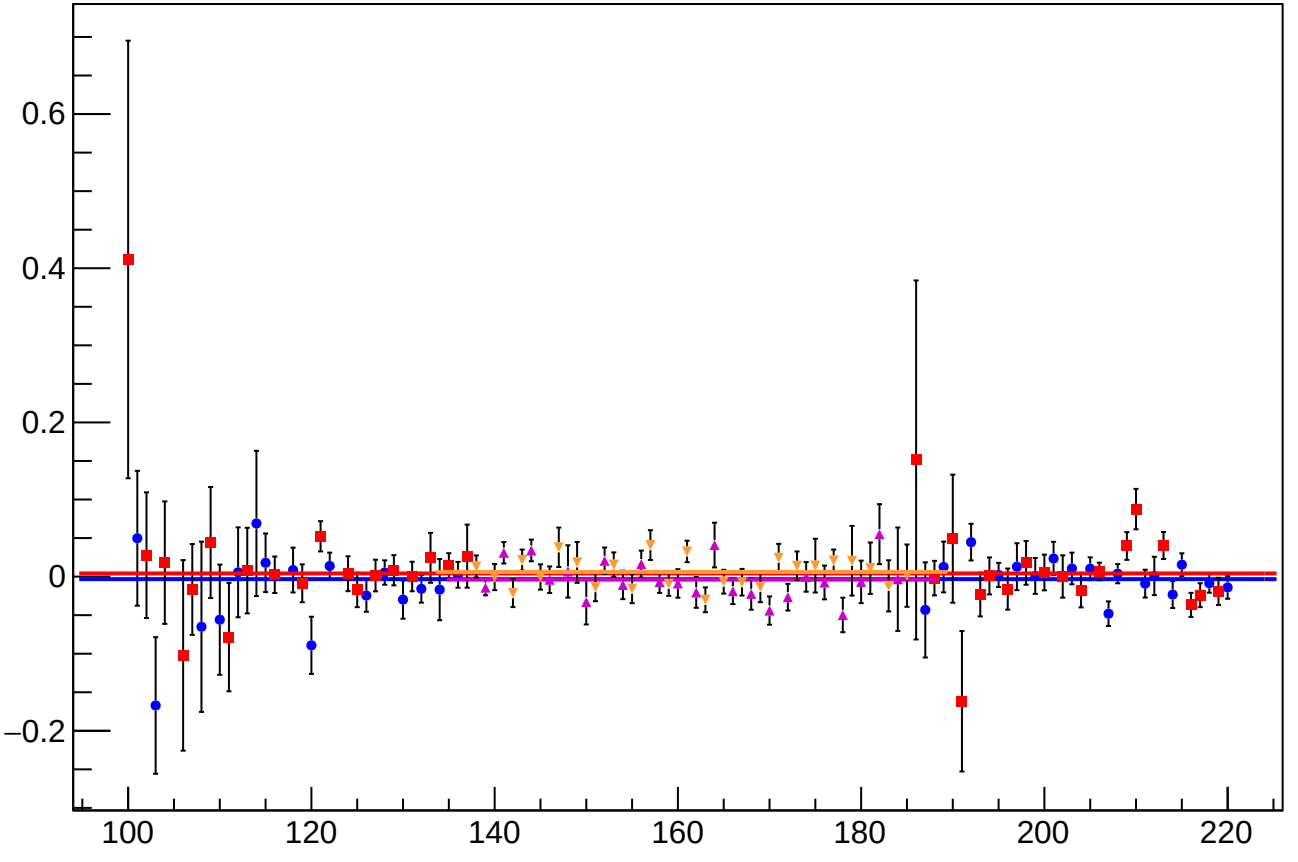
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12256563.9/57

All: 0.000+/-0.000 χ^2/NDF: 26226642.8/117

- sign 0.000+/-0.000 χ^2/NDF: 13864818.0/59

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.004 χ^2/NDF: 35.2/32

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.004 χ^2/NDF: 50.3/36

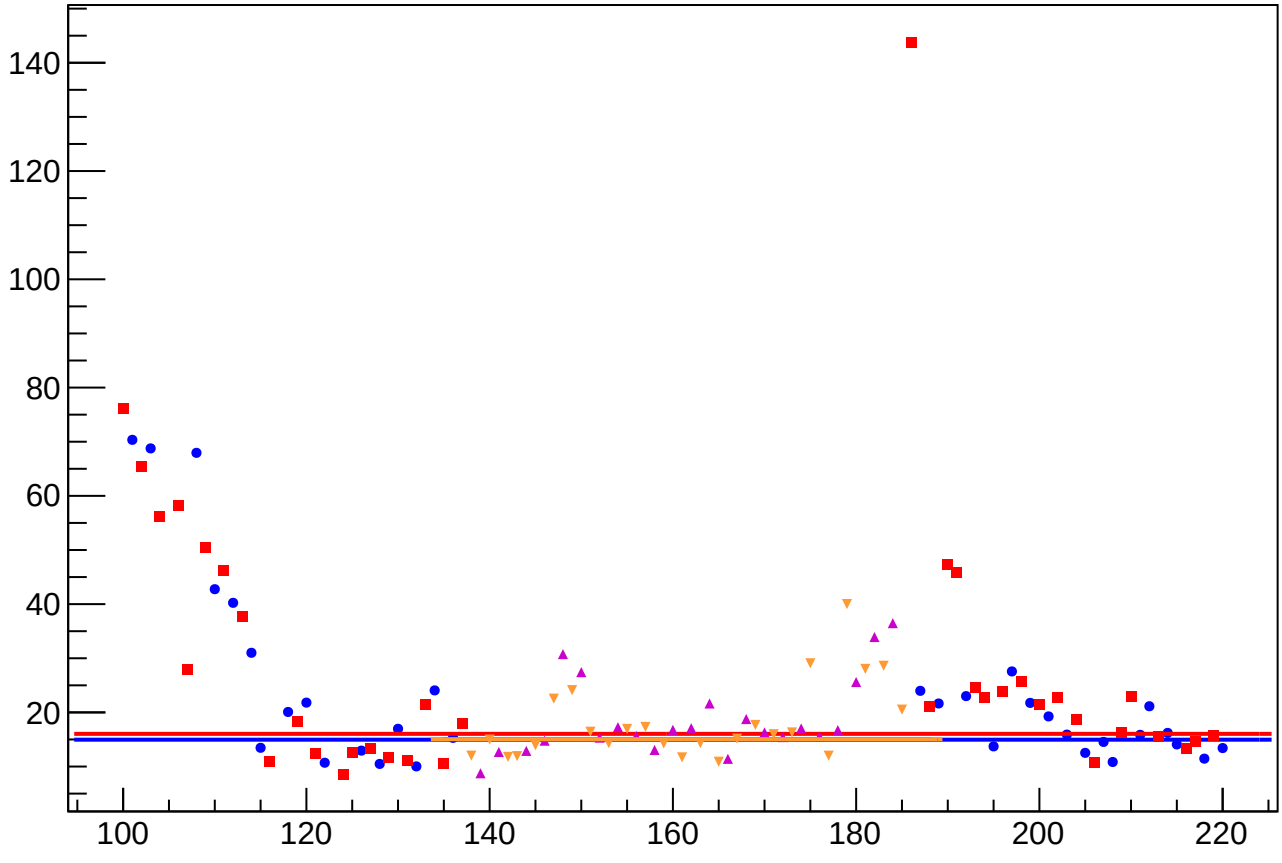
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.001+/-0.003 χ^2/NDF: 65.2/57

All: 0.001+/-0.002 χ^2/NDF: 154.8/117

- sign 0.000+/-0.003 χ^2/NDF: 89.5/59

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 14.961+/-0.003 χ^2/NDF: 5007258.3/32

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.039+/-0.003 χ^2/NDF: 6639365.7/36

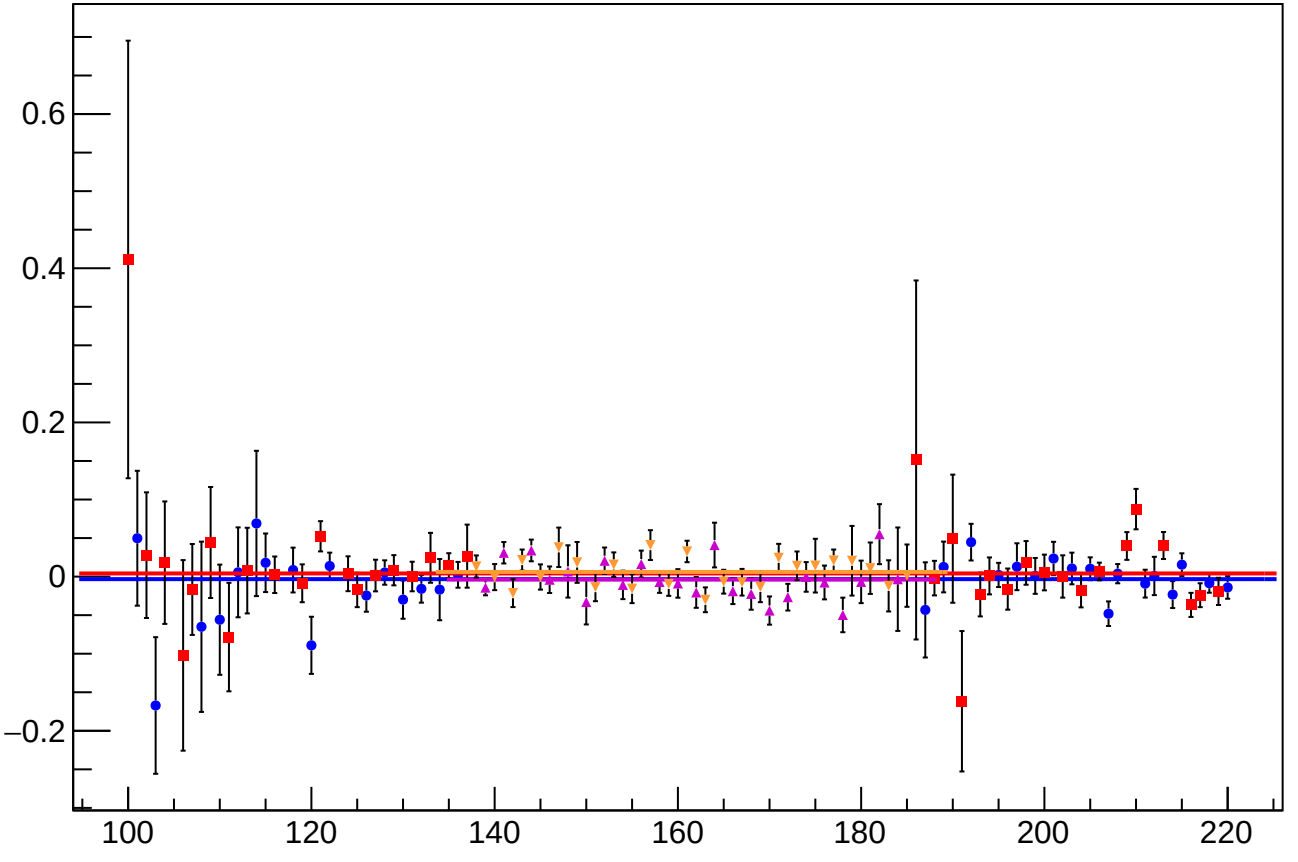
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.003+/-0.002 χ^2/NDF: 7765879.8/57

All: 15.256+/-0.001 χ^2/NDF: 17574891.9/117

- sign 15.541+/-0.002 χ^2/NDF: 9768447.7/59

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.003+/-0.004 χ^2/NDF: 35.2/32

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.004 χ^2/NDF: 50.3/36

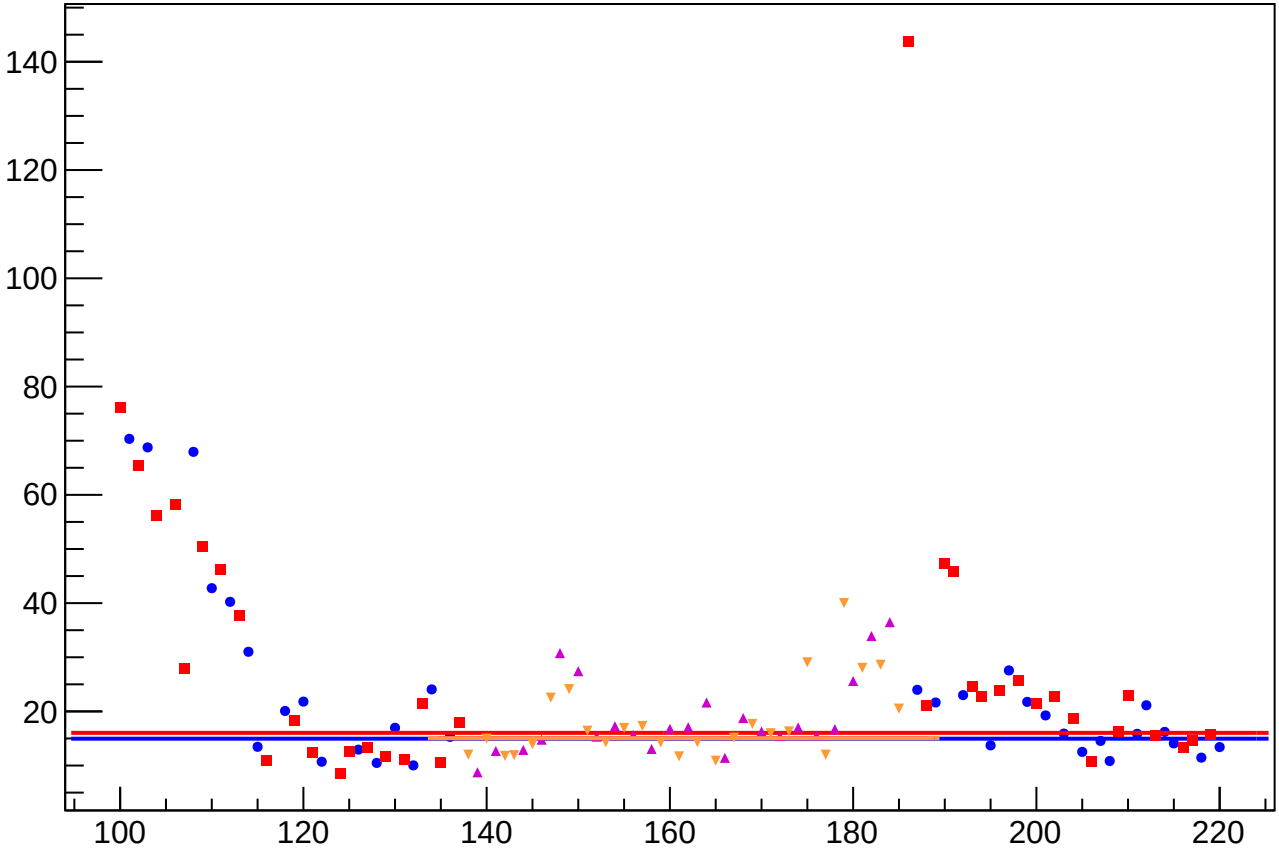
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.001+/-0.003 χ^2/NDF: 65.2/57

All: 0.001+/-0.002 χ^2/NDF: 154.8/117

- sign 0.000+/-0.003 χ^2/NDF: 89.5/59

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 14.961+/-0.003 χ^2/NDF: 5007258.3/32

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.039+/-0.003 χ^2/NDF: 6639365.7/36

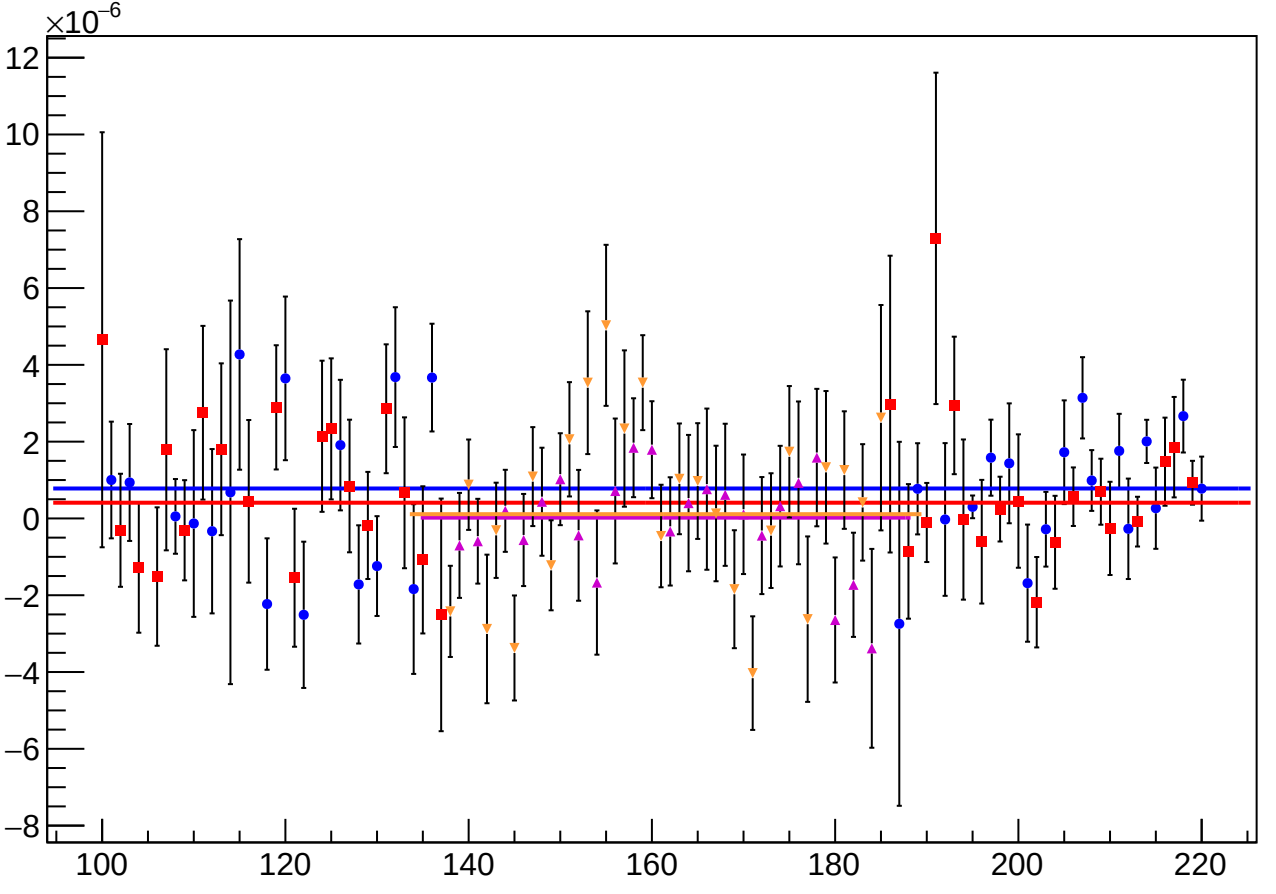
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.003+/-0.002 χ^2/NDF: 7765879.8/57

All: 15.256+/-0.001 χ^2/NDF: 17574891.9/117

- sign 15.541+/-0.002 χ^2/NDF: 9768447.7/59

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 48.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 30.1/36

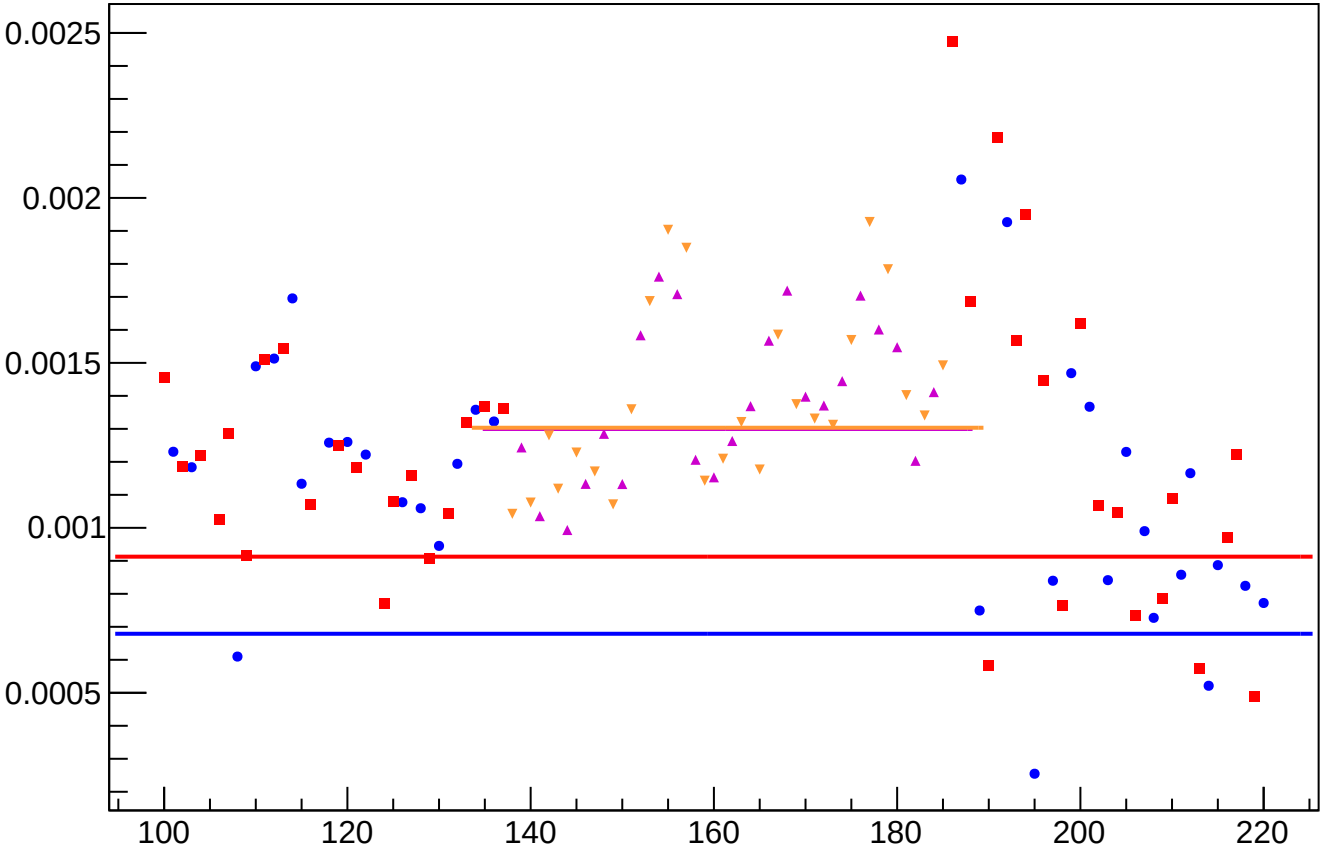
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 101.7/57

All: 0.000+/-0.000 χ^2/NDF: 149.0/117

- sign 0.000+/-0.000 χ^2/NDF: 45.3/59

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10042574.3/32

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 5447396.7/36

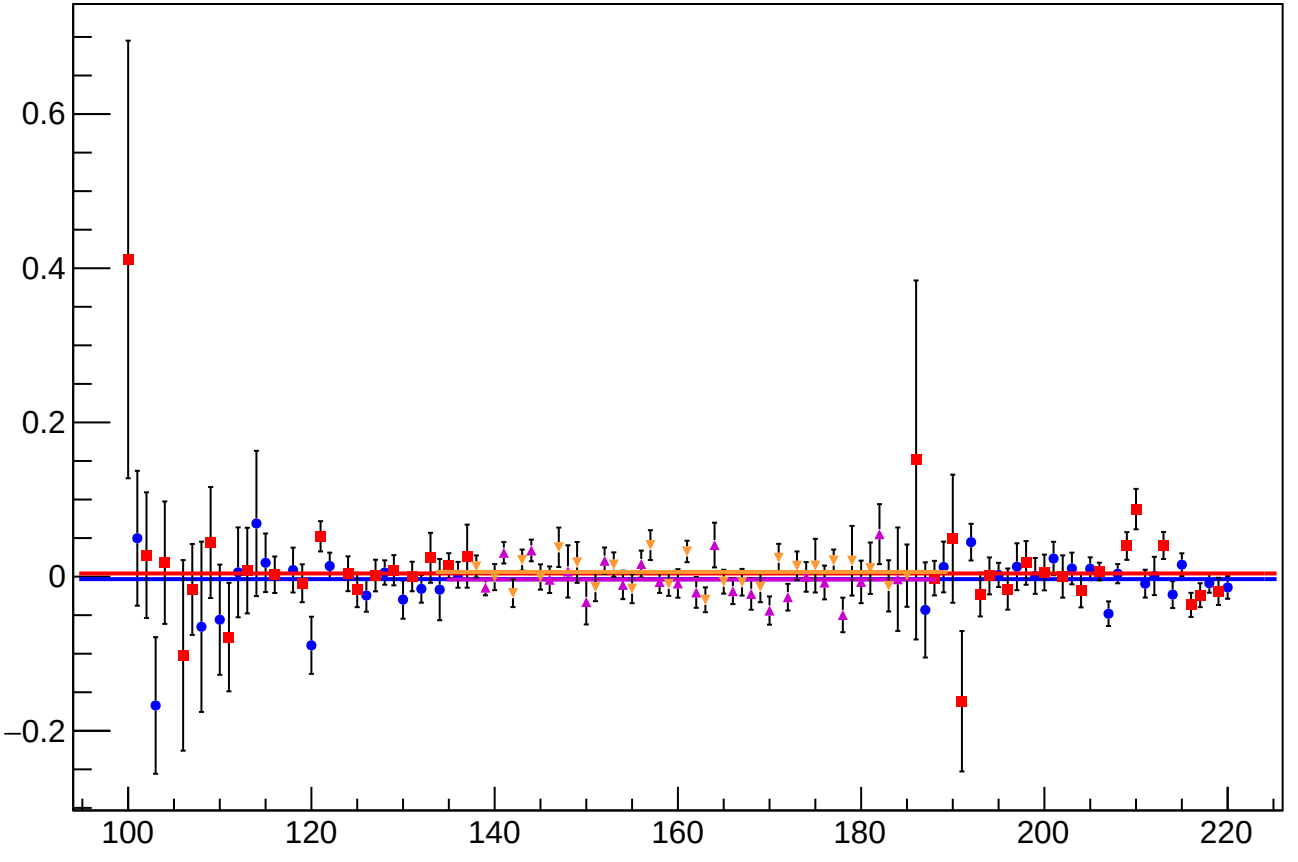
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 17622473.1/57

All: 0.001+/-0.000 χ^2/NDF: 27701471.2/117

- sign 0.001+/-0.000 χ^2/NDF: 8584217.9/59

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.003+/-0.004 χ^2/NDF: 35.2/32

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.004 χ^2/NDF: 50.3/36

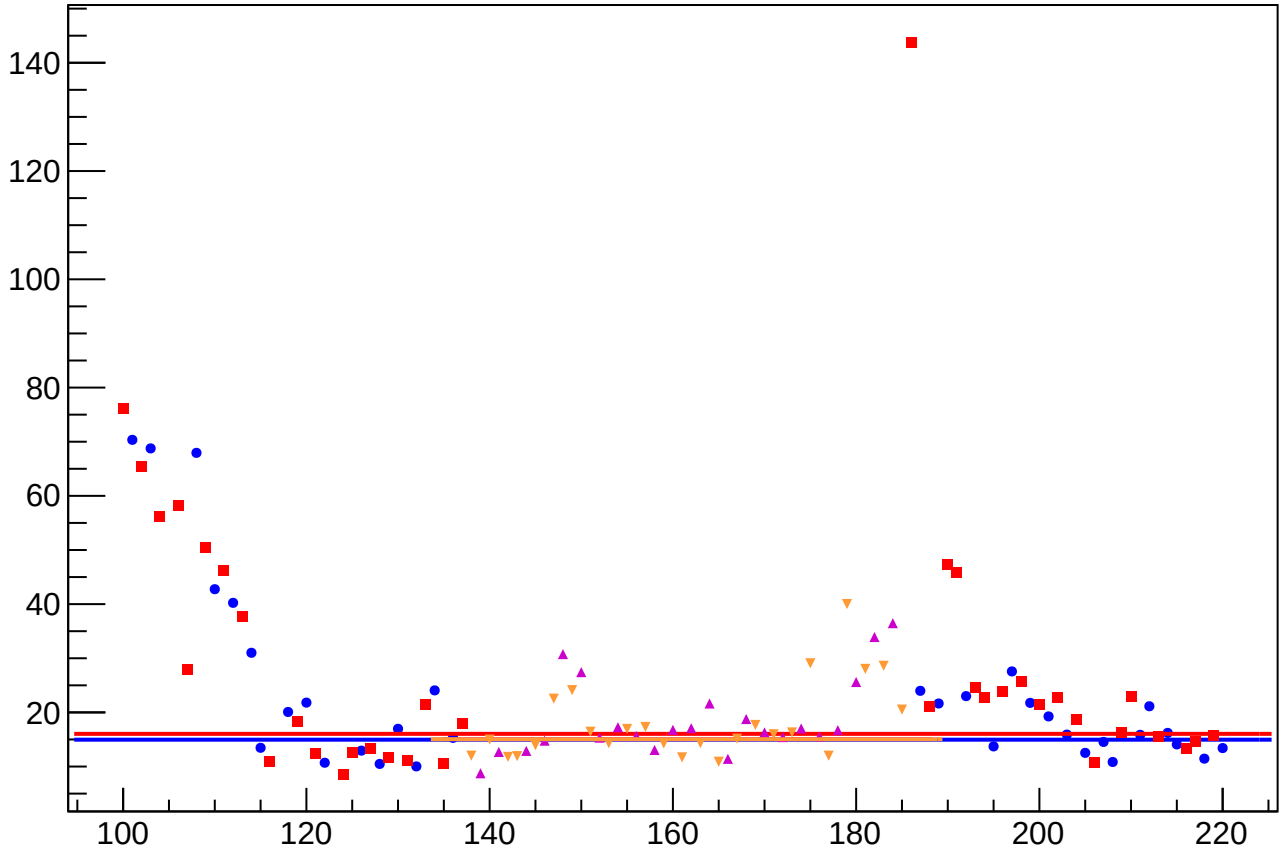
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.001+/-0.003 χ^2/NDF: 65.2/57

All: 0.001+/-0.002 χ^2/NDF: 154.8/117

- sign 0.000+/-0.003 χ^2/NDF: 89.5/59

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 14.960+/-0.003 χ^2/NDF: 5007267.1/32

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

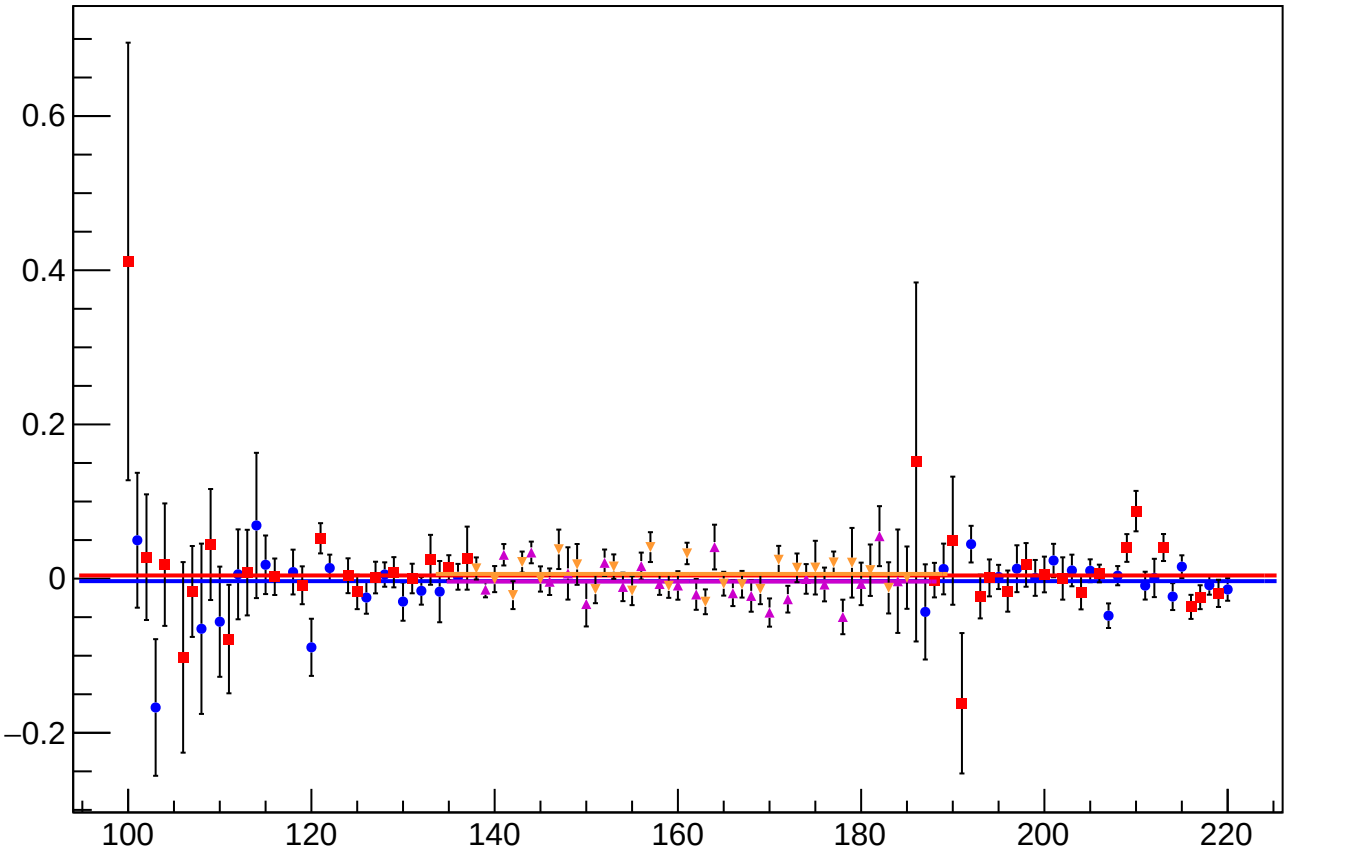
Right Out: 16.038+/-0.003 χ^2/NDF: 6639358.9/36

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.003+/-0.002 χ^2/NDF: 7766099.4/57

All: 15.256+/-0.001 χ^2/NDF: 17575145.3/117

- sign 15.540+/-0.002 χ^2/NDF: 9768471.1/59



Right In: -0.003+/-0.004 χ^2/NDF: 35.2/32

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.004 χ^2/NDF: 50.3/36

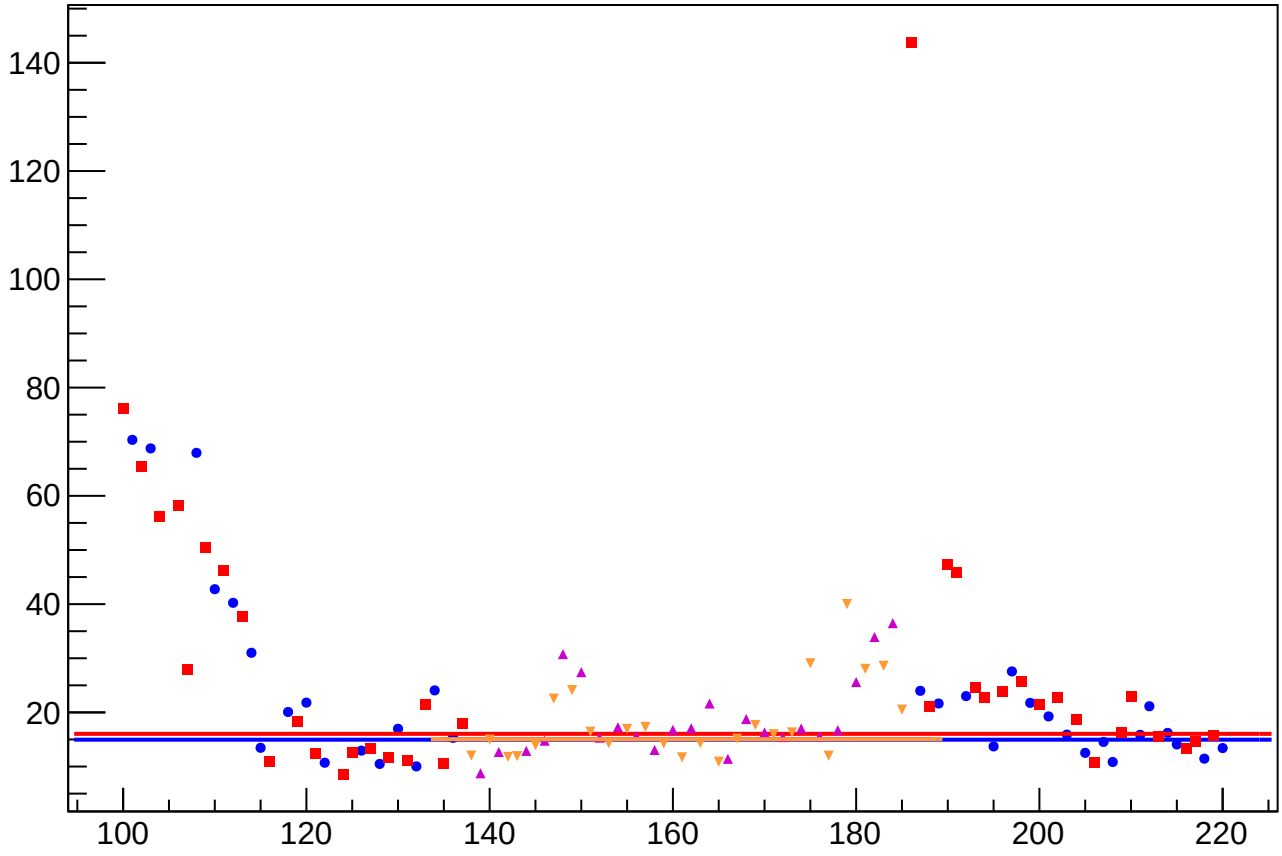
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.001+/-0.003 χ^2/NDF: 65.2/57

All: 0.001+/-0.002 χ^2/NDF: 154.8/117

- sign 0.000+/-0.003 χ^2/NDF: 89.5/59

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 14.960+/-0.003 χ^2/NDF: 5007267.1/32

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

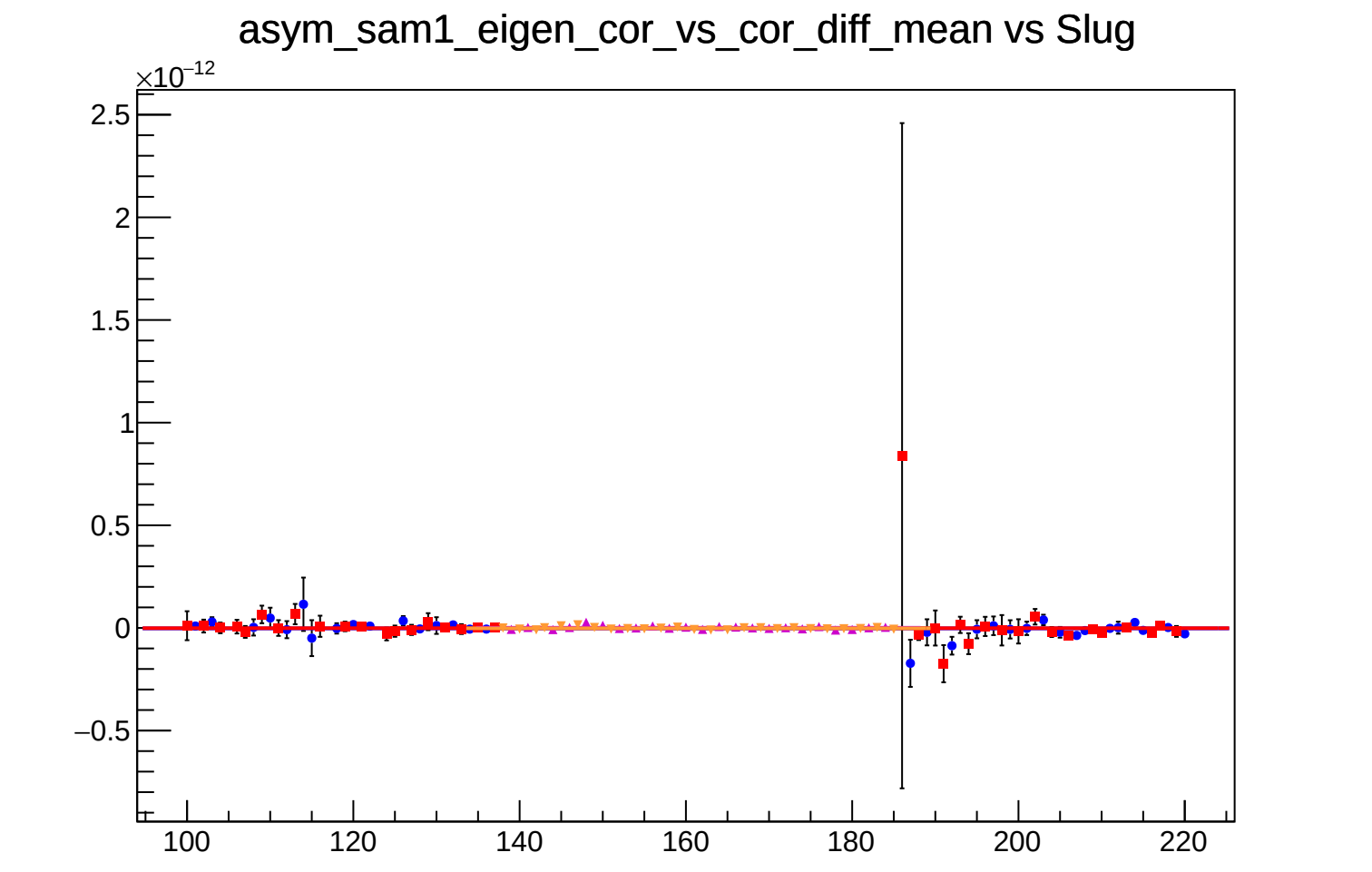
Right Out: 16.038+/-0.003 χ^2/NDF: 6639358.9/36

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.003+/-0.002 χ^2/NDF: 7766099.4/57

All: 15.256+/-0.001 χ^2/NDF: 17575145.3/117

- sign 15.540+/-0.002 χ^2/NDF: 9768471.1/59



Right In: -0.000+/-0.000 χ^2/NDF: 30.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

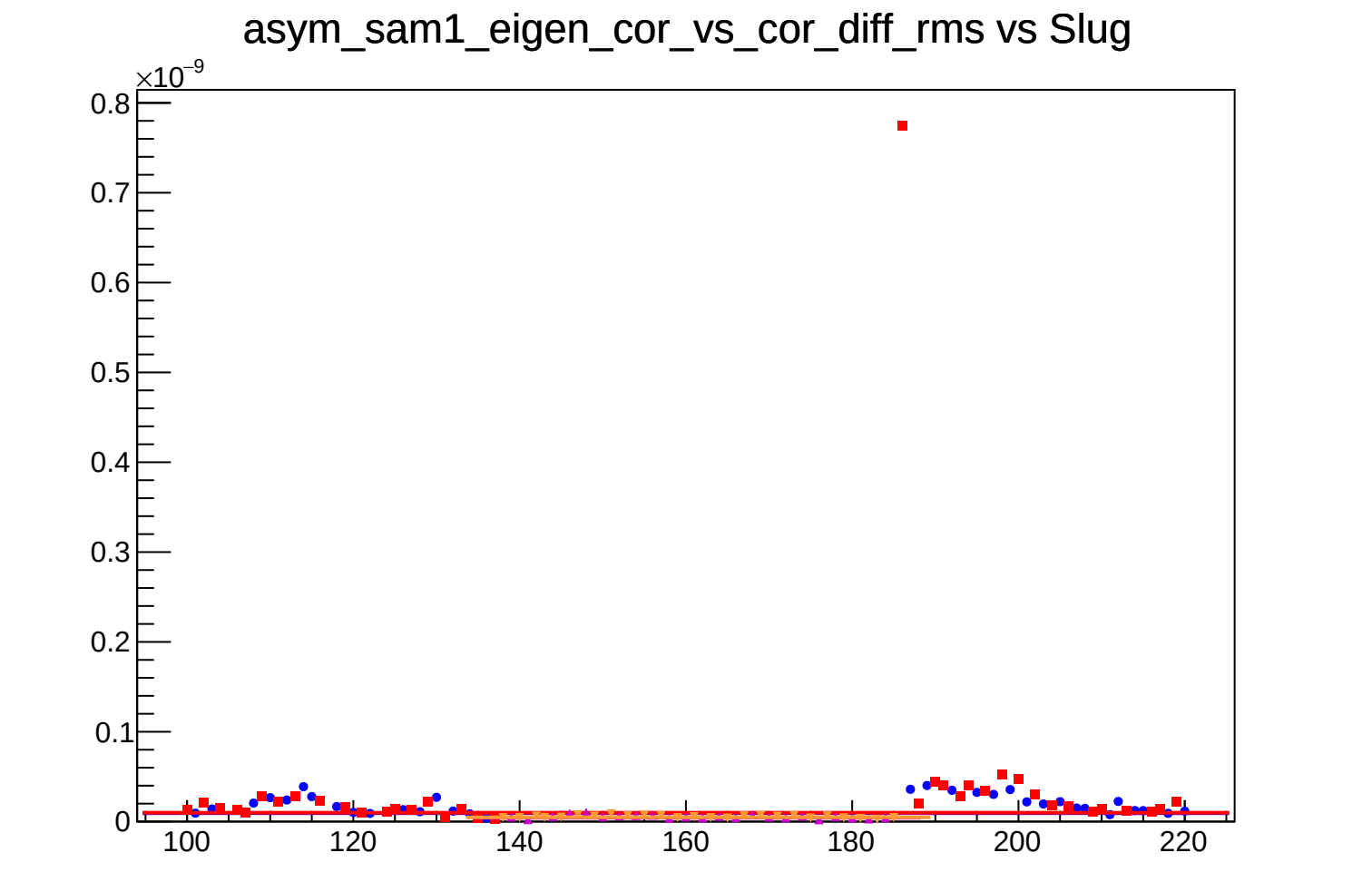
Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/36

Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.2/57

All: -0.000+/-0.000 χ^2/NDF: 95.5/117

- sign 0.000+/-0.000 χ^2/NDF: 48.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 9455621.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11744749.0/36

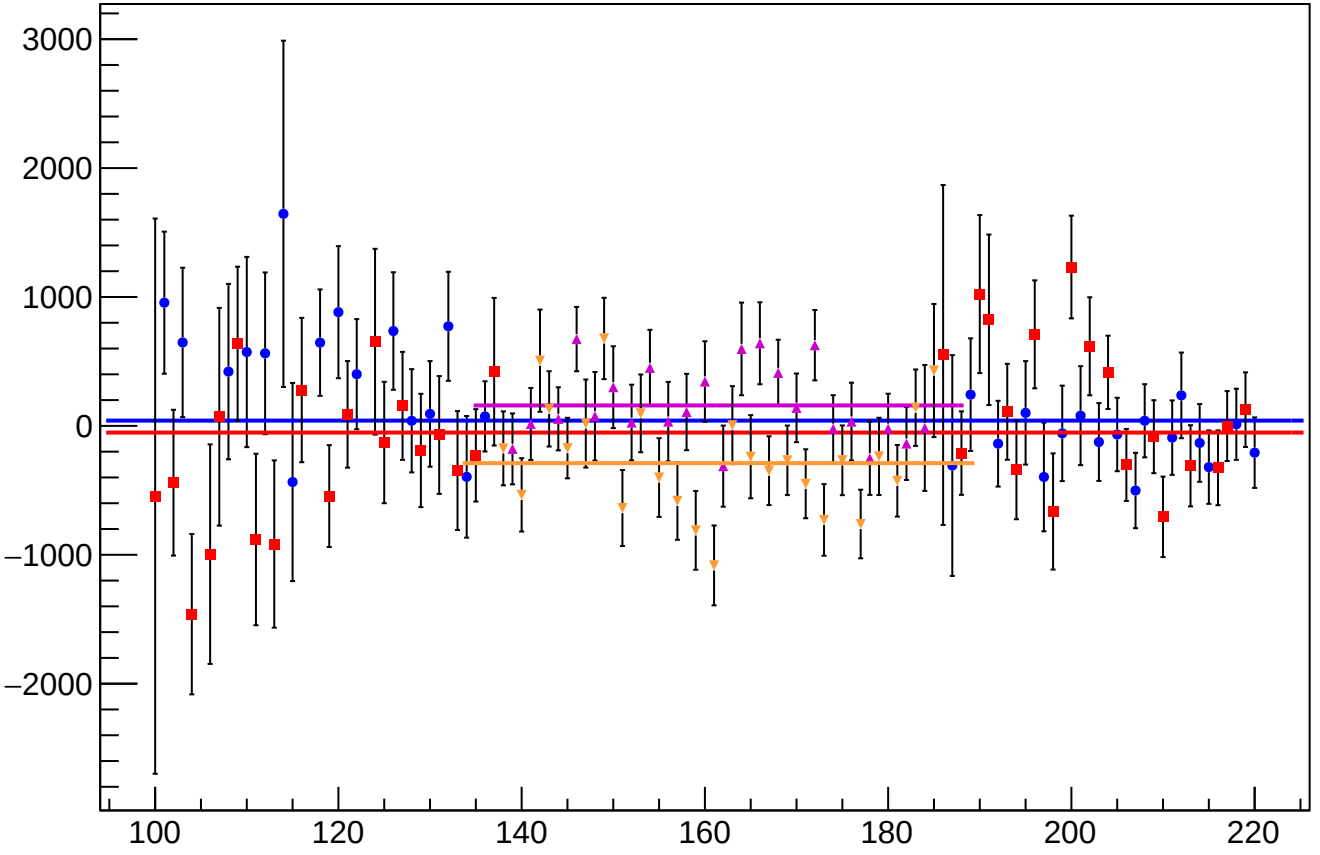
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15401958.2/57

All: 0.000+/-0.000 χ^2/NDF: 35847357.1/117

- sign 0.000+/-0.000 χ^2/NDF: 20294532.3/59

reg_asym_sam2_mean vs Slug



Right In: 41.004+/-65.851 χ^2/NDF: 28.0/32

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: -51.730+/-67.791 χ^2/NDF: 50.8/36

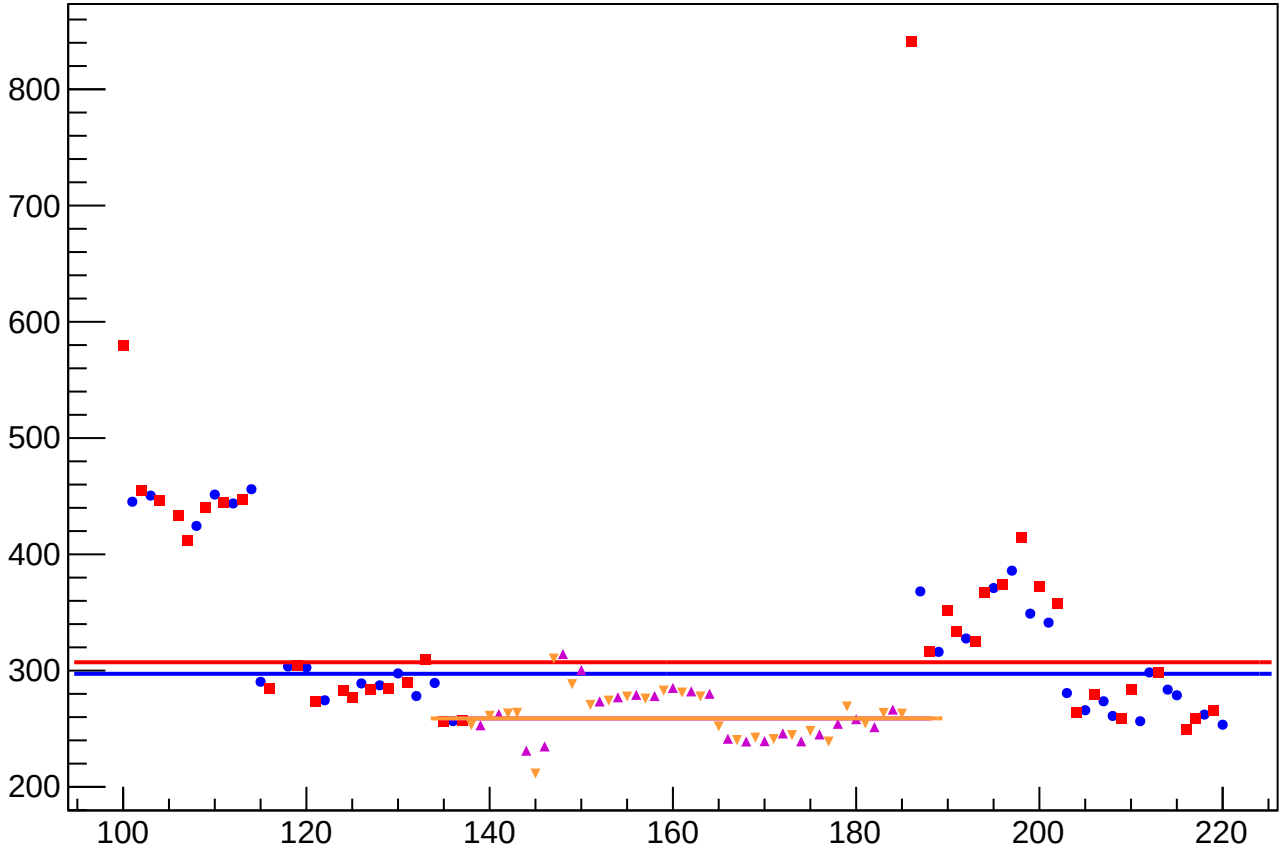
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -141.912+/-43.957 χ^2/NDF: 84.3/57

All: -41.399+/-31.521 χ^2/NDF: 173.8/117

- sign 64.994+/-45.224 χ^2/NDF: 78.7/59

reg_asym_sam2_rms vs Slug



Right In: 297.248+/-0.047 χ^2/NDF: 1103500.9/32

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 307.178+/-0.048 χ^2/NDF: 1690784.5/36

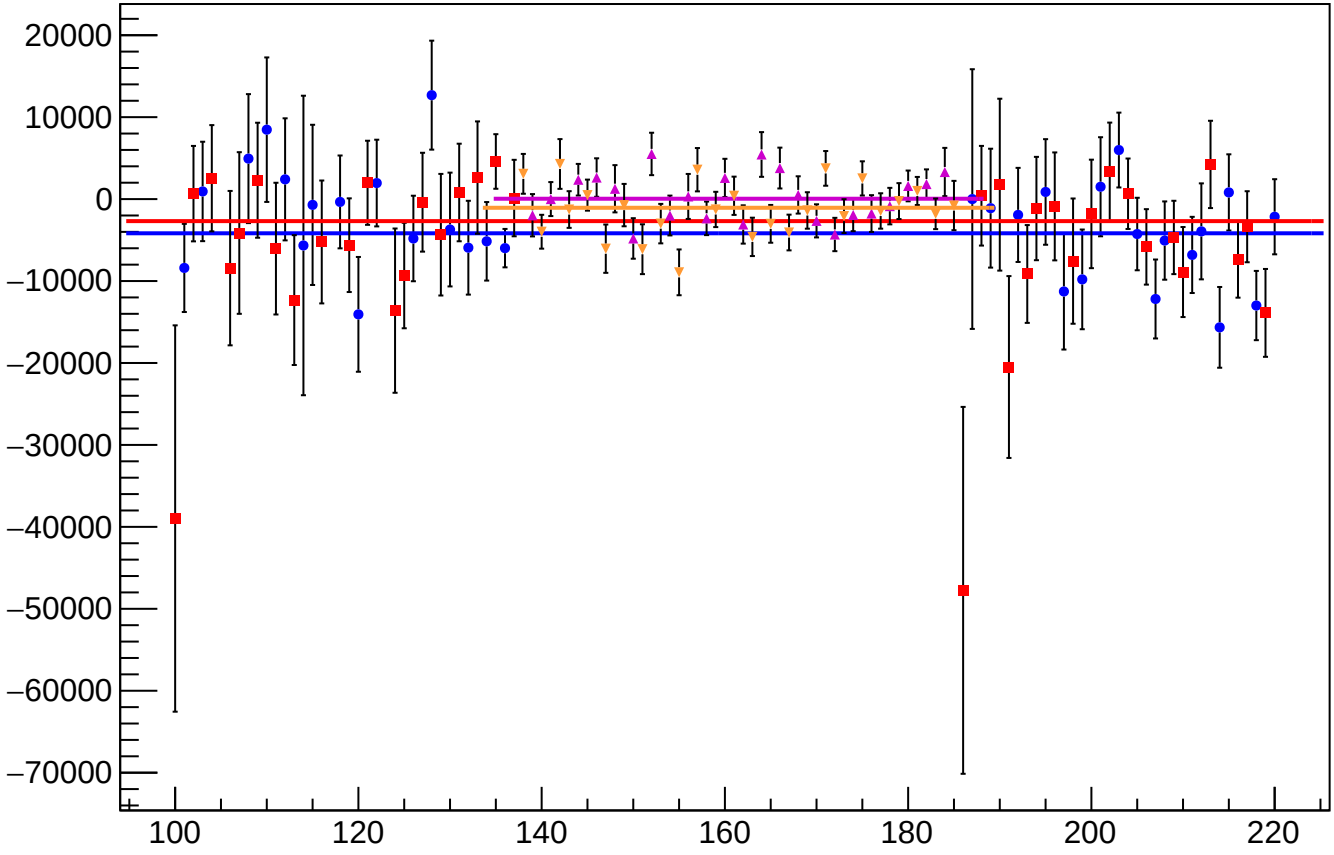
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 275.994+/-0.031 χ^2/NDF: 1728041.0/57

All: 278.112+/-0.022 χ^2/NDF: 4237597.7/117

- sign 280.354+/-0.032 χ^2/NDF: 2499996.2/59

asym_sam2_reg_correction_mean vs Slug



Right In: -4172.054+/-932.621 χ^2/NDF: 39.6/32

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -2687.152+/-988.507 χ^2/NDF: 35.1/36

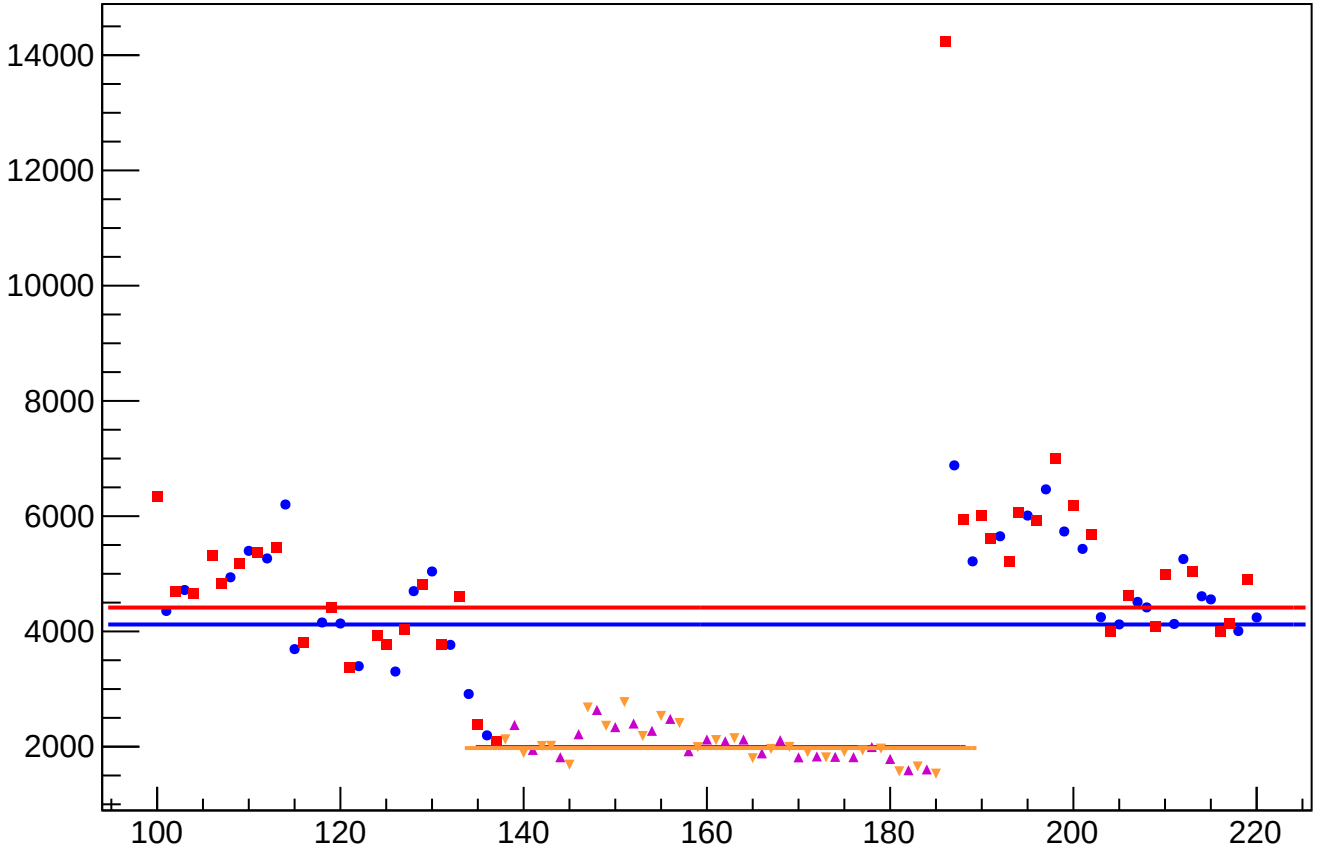
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1656.957+/-408.677 χ^2/NDF: 90.1/57

All: -1082.126+/-294.573 χ^2/NDF: 169.6/117

- sign -460.517+/-424.980 χ^2/NDF: 75.4/59

asym_sam2_reg_correction_rms vs Slug



Right In: 4120.481+/-0.659 χ^2/NDF: 2795225.8/32

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4414.251+/-0.699 χ^2/NDF: 2971293.2/36

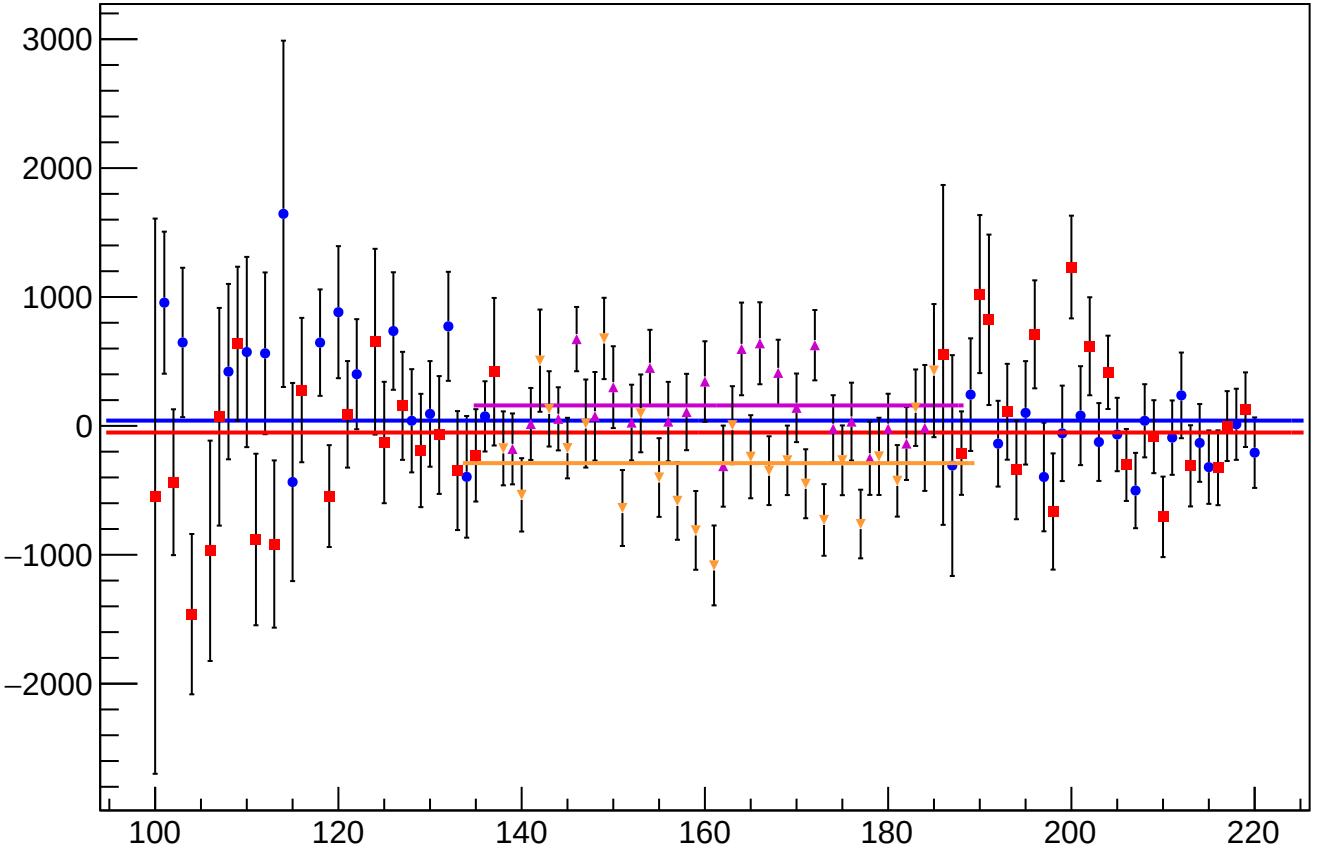
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2387.759+/-0.289 χ^2/NDF: 12102874.8/57

All: 2413.800+/-0.208 χ^2/NDF: 25458163.1/1

- sign 2441.959+/-0.301 χ^2/NDF: 13338387.6/59

cor_asym_sam2_mean vs Slug



Right In: 40.985+/-65.851 χ^2/NDF: 28.0/32

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: -51.460+/-67.793 χ^2/NDF: 50.7/36

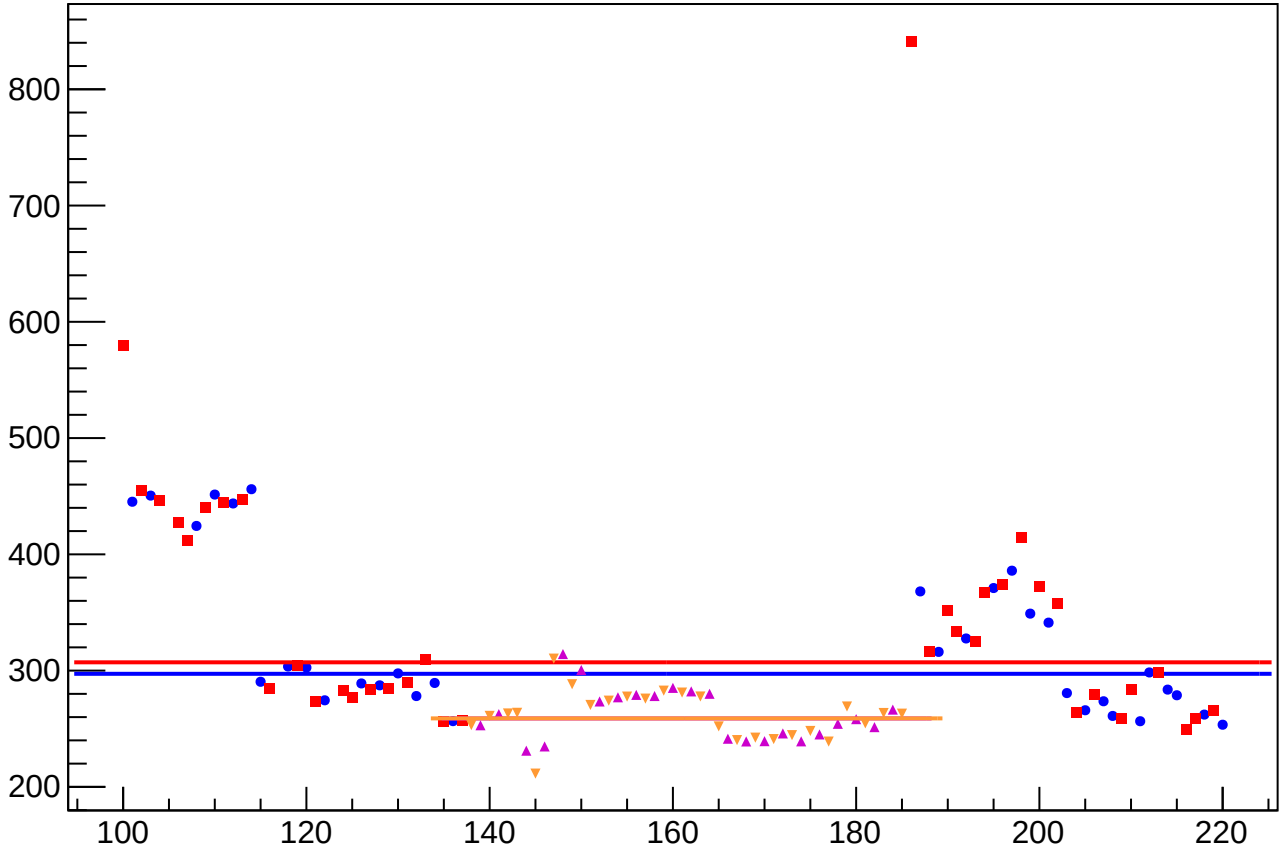
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

\+ sign -141.923+/-43.957 χ^2/NDF: 84.3/57

All: -41.343+/-31.521 χ^2/NDF: 173.7/117

\- sign 65.124+/-45.225 χ^2/NDF: 78.6/59

cor_asym_sam2_rms vs Slug



Right In: 297.248+/-0.047 χ^2/NDF: 1103502.5/32

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 307.131+/-0.048 χ^2/NDF: 1686099.2/36

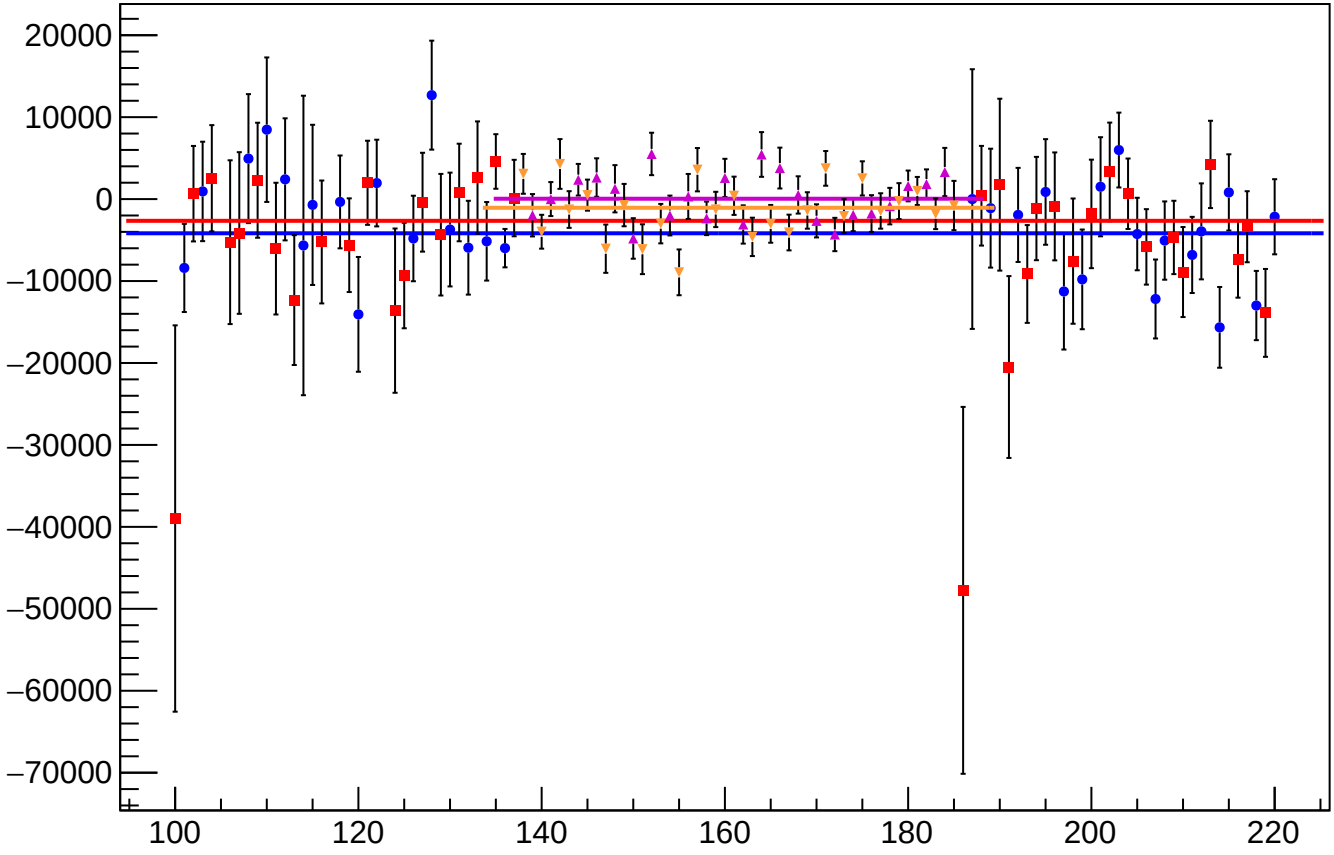
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 275.994+/-0.031 χ^2/NDF: 1728042.6/57

All: 278.101+/-0.022 χ^2/NDF: 4231682.0/117

- sign 280.332+/-0.032 χ^2/NDF: 2494175.3/59

asym_sam2_cor_correction_mean vs Slug



Right In: -4172.037+/-932.622 χ^2/NDF: 39.6/32

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -2649.385+/-989.130 χ^2/NDF: 34.7/36

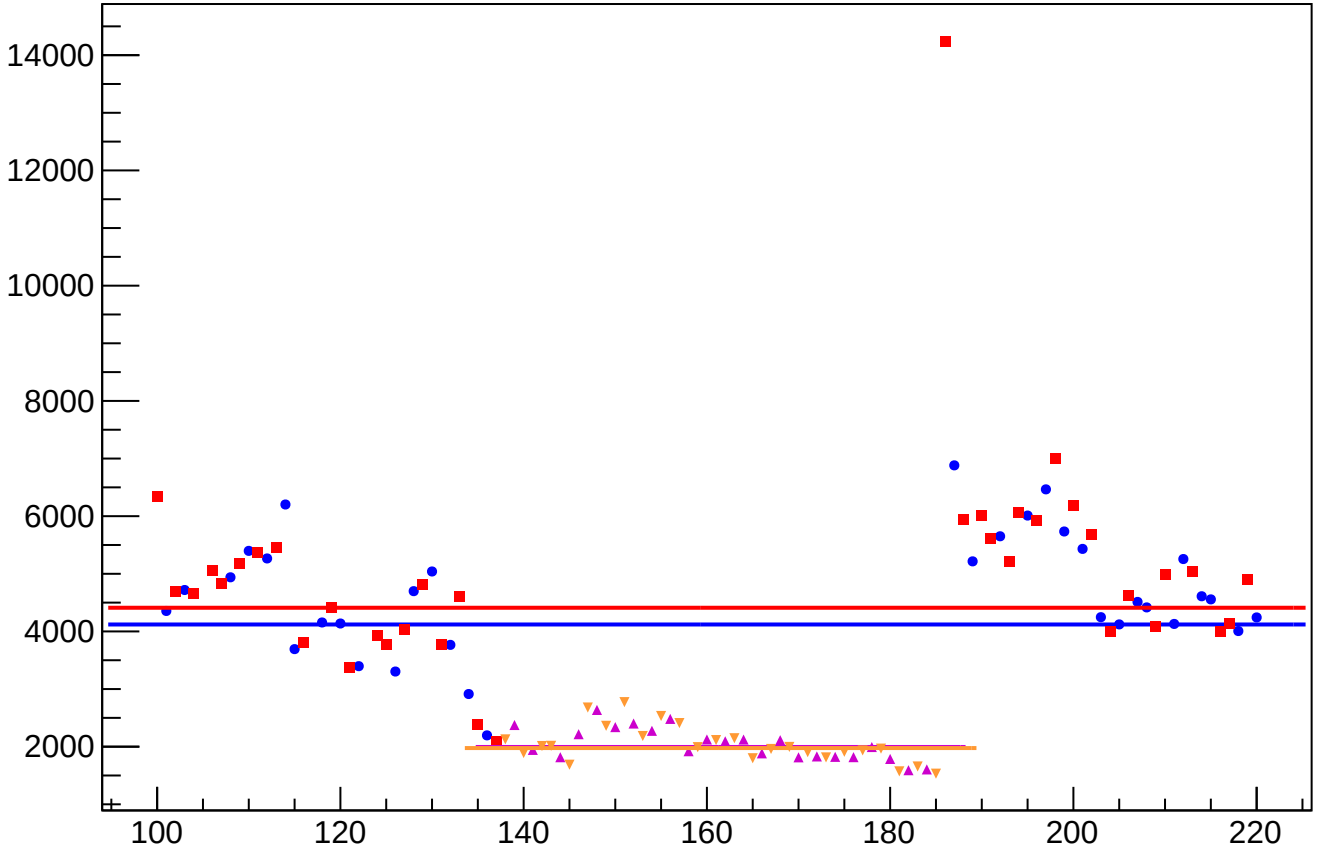
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1656.956+/-408.677 χ^2/NDF: 90.1/57

All: -1078.597+/-294.589 χ^2/NDF: 169.2/117

- sign -453.029+/-425.029 χ^2/NDF: 75.0/59

asym_sam2_cor_correction_rms vs Slug



Right In: 4120.485+/-0.659 χ^2/NDF: 2795233.8/32

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

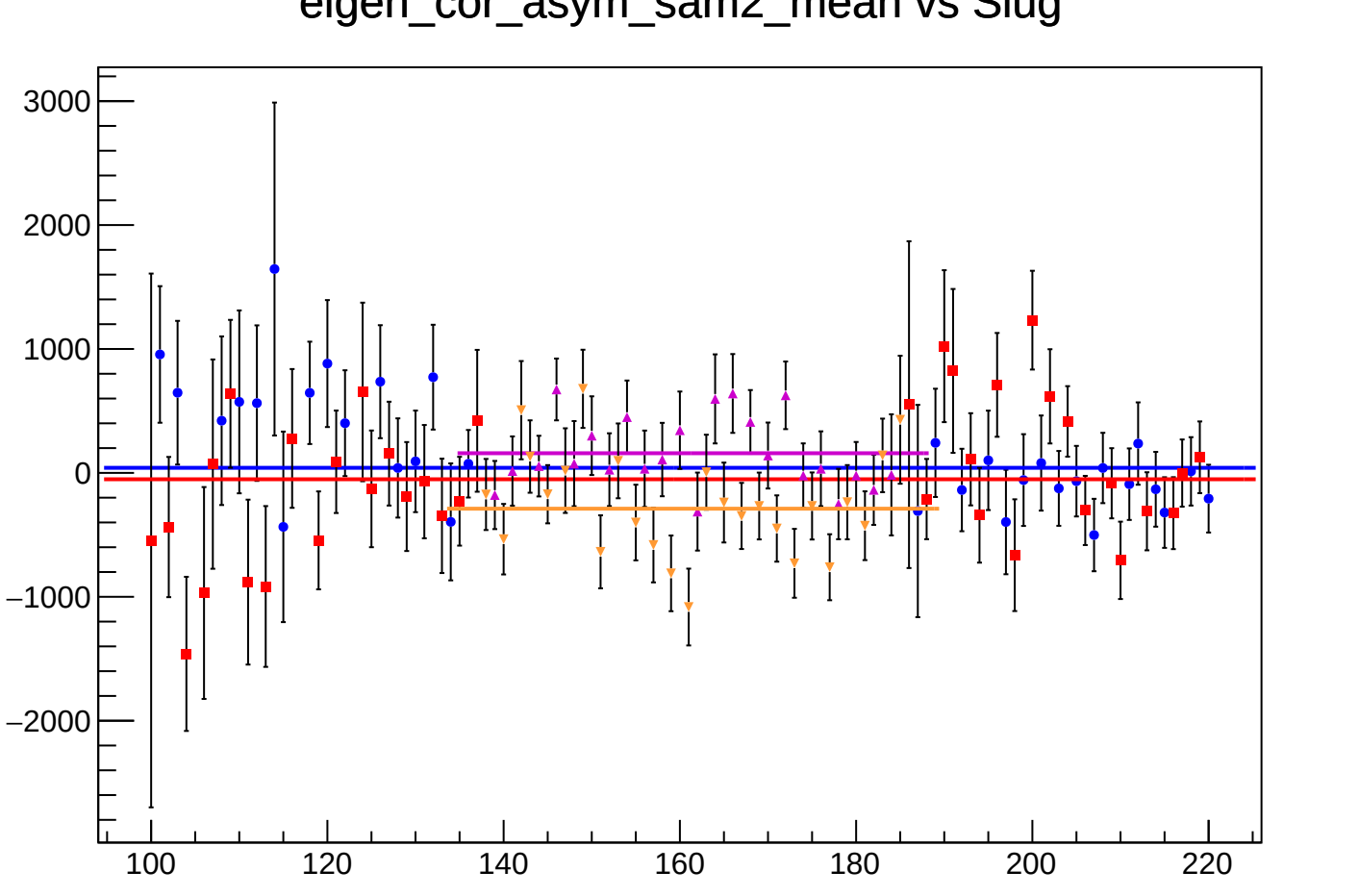
Right Out: 4410.806+/-0.699 χ^2/NDF: 2961709.8/36

Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

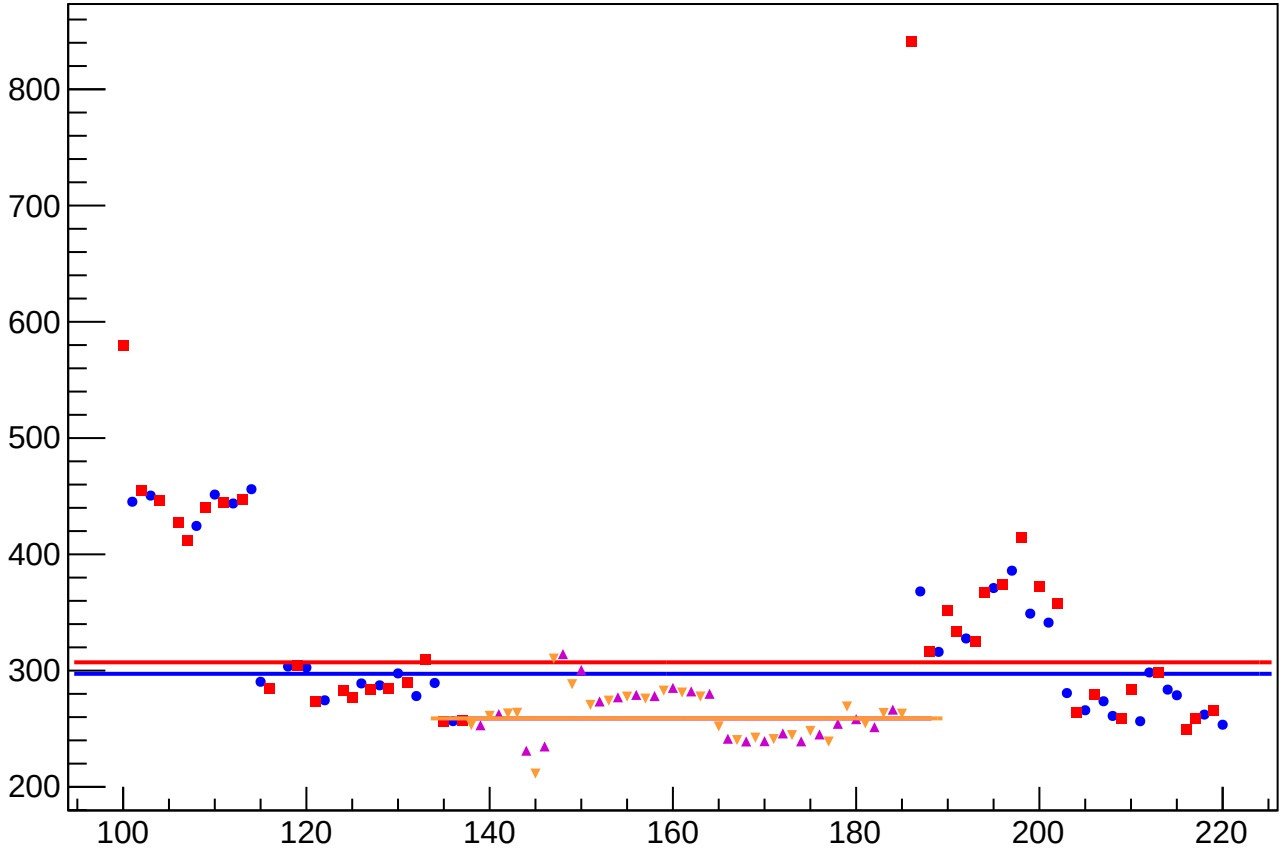
+ sign 2387.760+/-0.289 χ^2/NDF: 12102894.8/57

All: 2413.271+/-0.208 χ^2/NDF: 25410135.7/1

- sign 2440.864+/-0.301 χ^2/NDF: 13291017.8/59


eigen_cor_asym_sam2_mean vs Slug
3000
2000
1000
0
−1000
−2000
100
120
140
160
180
200
220
Right In: 40.985+/-65.851 χ²/NDF: 28.0/32
Left Out: -288.928+/-59.035 χ²/NDF:42.4/24
Right Out: -51.460+/-67.793 χ²/NDF: 50.7/36
Left In: 158.612+/-60.708 χ²/NDF:22.5/22
+ sign -141.923+/-43.957 χ²/NDF: 84.3/57
All: -41.343+/-31.521 χ²/NDF: 173.7/117
- sign 65.124+/-45.225 χ²/NDF: 78.6/59

eigen_cor_asym_sam2_rms vs Slug



Right In: 297.248+/-0.047 χ^2/NDF: 1103502.5/32

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 307.131+/-0.048 χ^2/NDF: 1686099.2/36

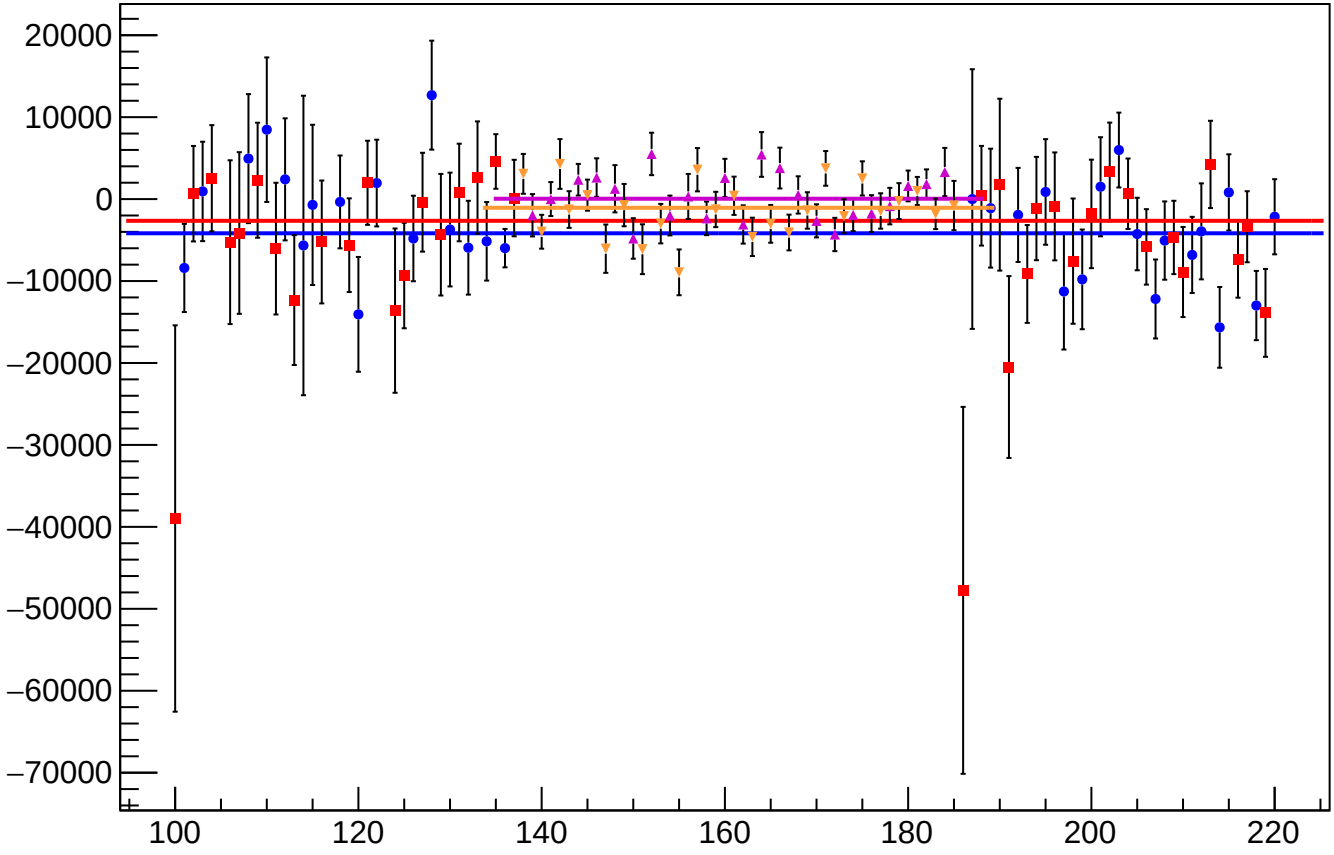
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 275.994+/-0.031 χ^2/NDF: 1728042.6/57

All: 278.101+/-0.022 χ^2/NDF: 4231682.0/117

- sign 280.332+/-0.032 χ^2/NDF: 2494175.3/59

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -4172.037+/-932.622 χ^2/NDF: 39.6/32

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -2649.385+/-989.130 χ^2/NDF: 34.7/36

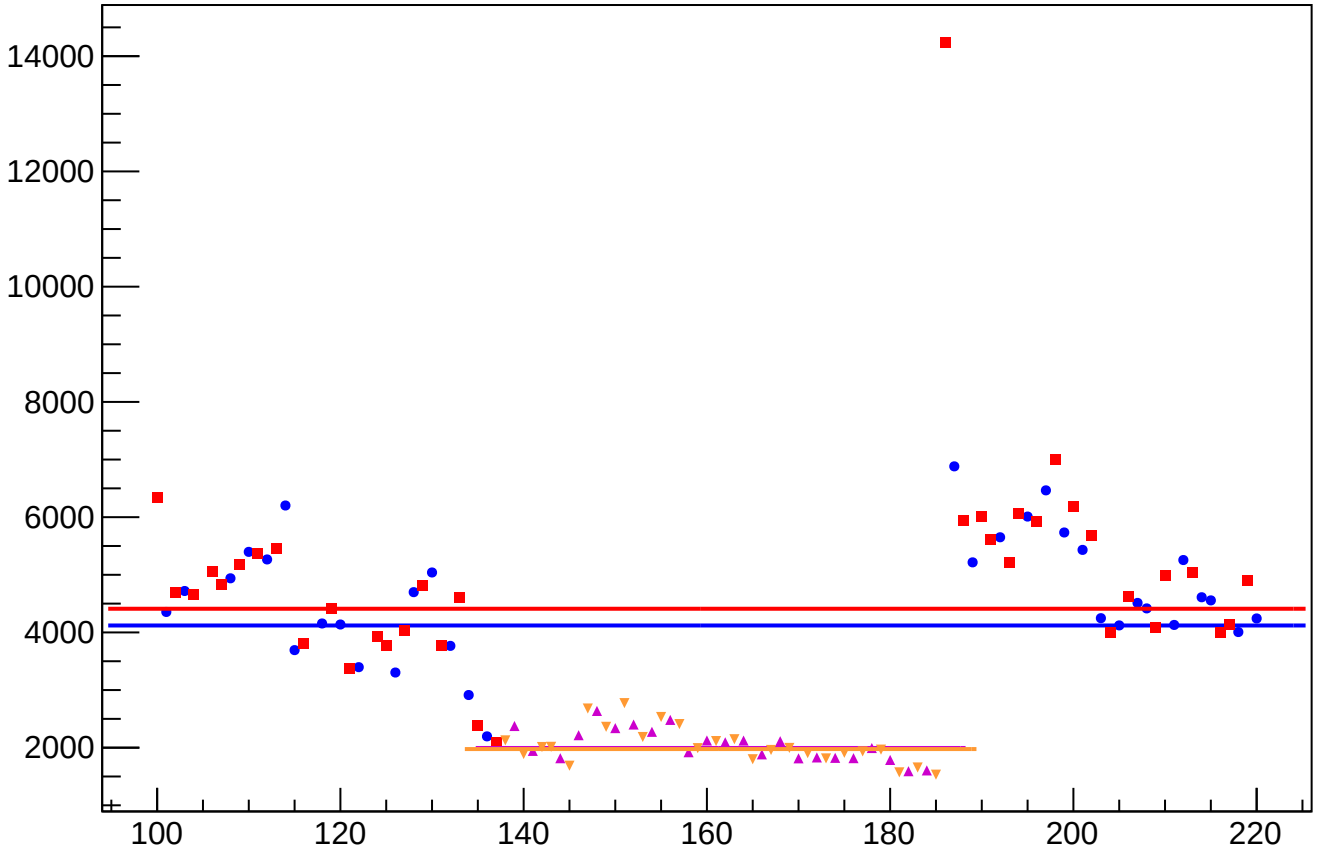
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1656.956+/-408.677 χ^2/NDF: 90.1/57

All: -1078.597+/-294.589 χ^2/NDF: 169.2/117

- sign -453.029+/-425.029 χ^2/NDF: 75.0/59

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 4120.485+/-0.659 χ^2/NDF: 2795233.8/32

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4410.806+/-0.699 χ^2/NDF: 2961709.8/36

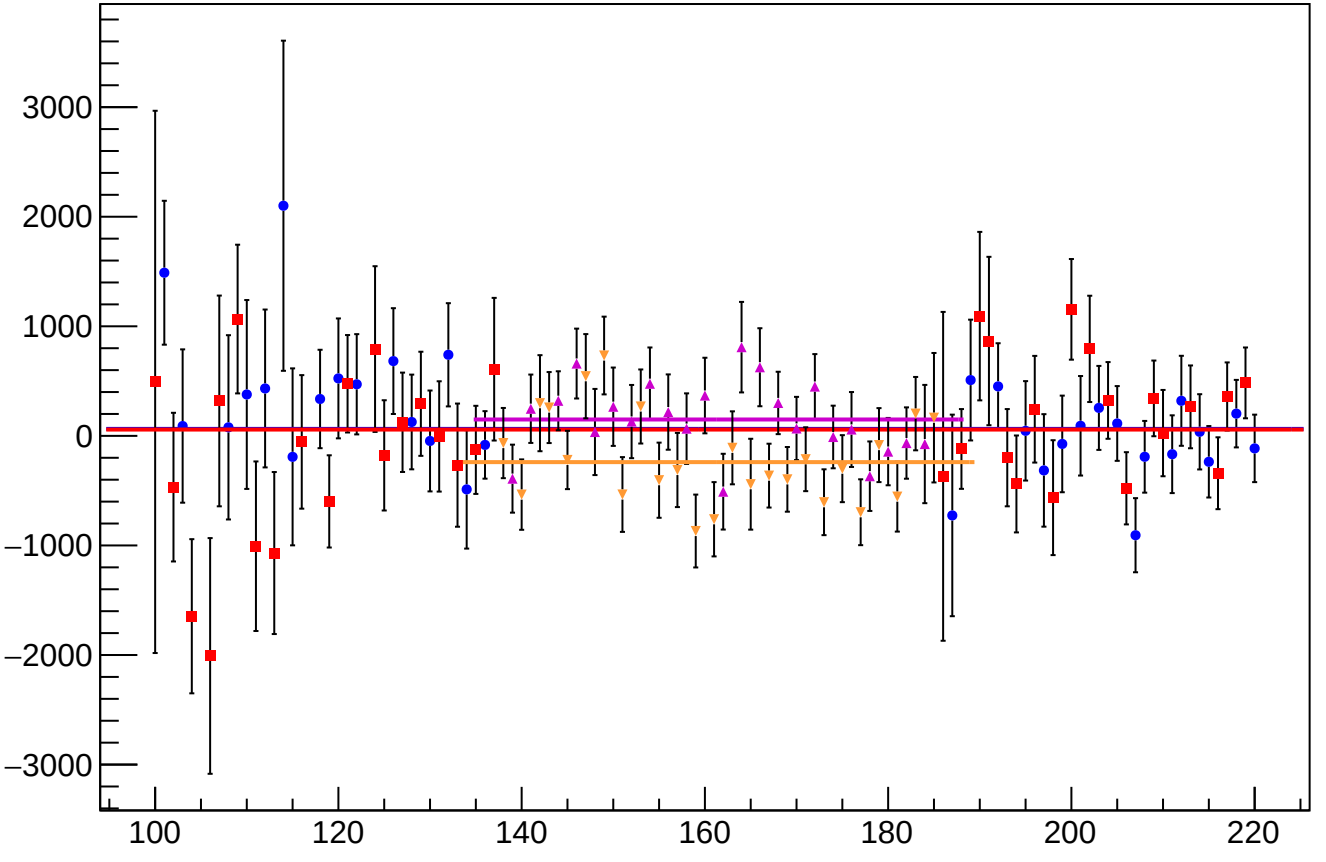
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2387.760+/-0.289 χ^2/NDF: 12102894.8/57

All: 2413.271+/-0.208 χ^2/NDF: 25410135.7/1

- sign 2440.864+/-0.301 χ^2/NDF: 13291017.8/59

dit_asym_sam2_mean vs Slug



Right In: 63.618+/-76.070 χ^2/NDF: 28.3/32

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: 57.626+/-78.362 χ^2/NDF: 45.5/36

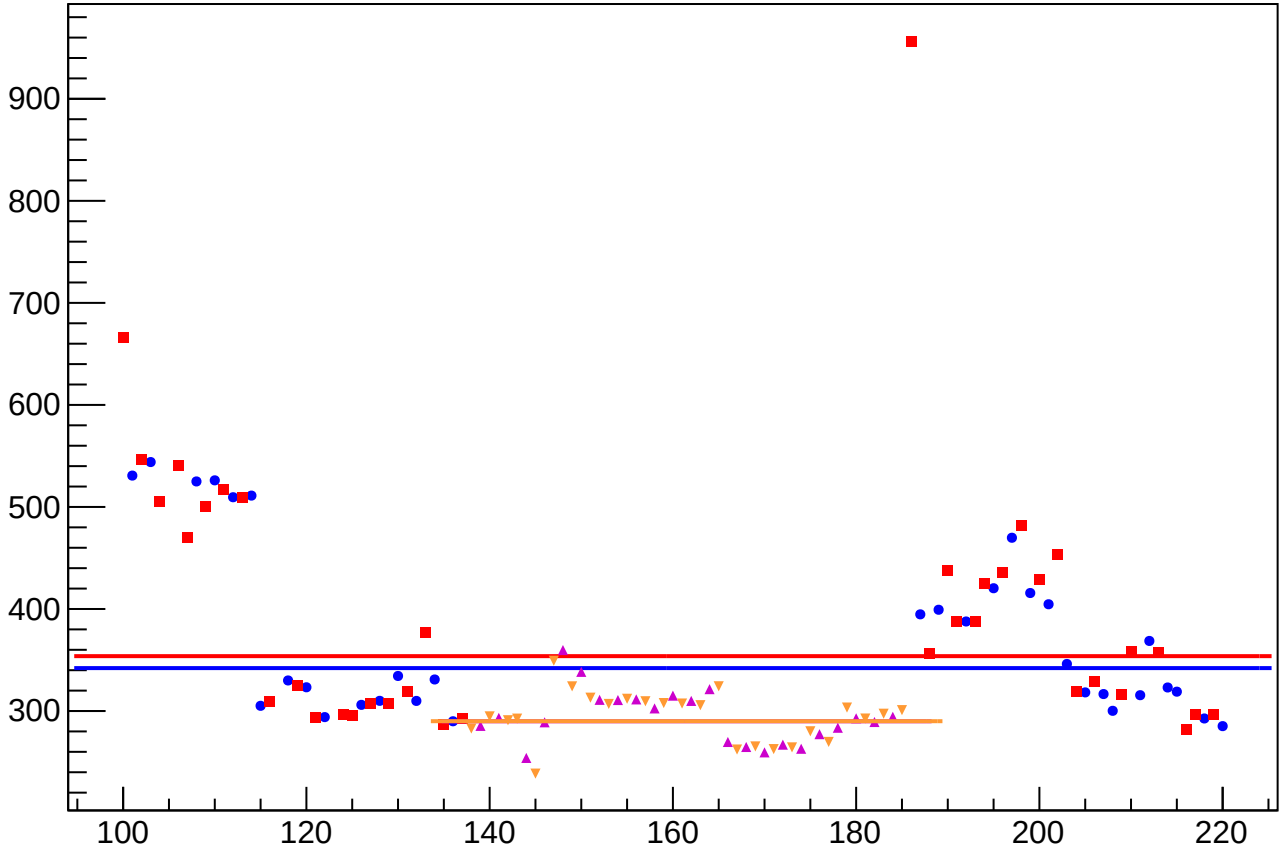
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -108.972+/-49.924 χ^2/NDF: 71.3/57

All: -2.763+/-35.821 χ^2/NDF: 148.7/117

- sign 109.938+/-51.427 χ^2/NDF: 68.0/59

dit_asym_sam2_rms vs Slug



Right In: 342.067+/-0.054 χ^2/NDF: 1312356.2/32

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 353.780+/-0.055 χ^2/NDF: 1874497.7/36

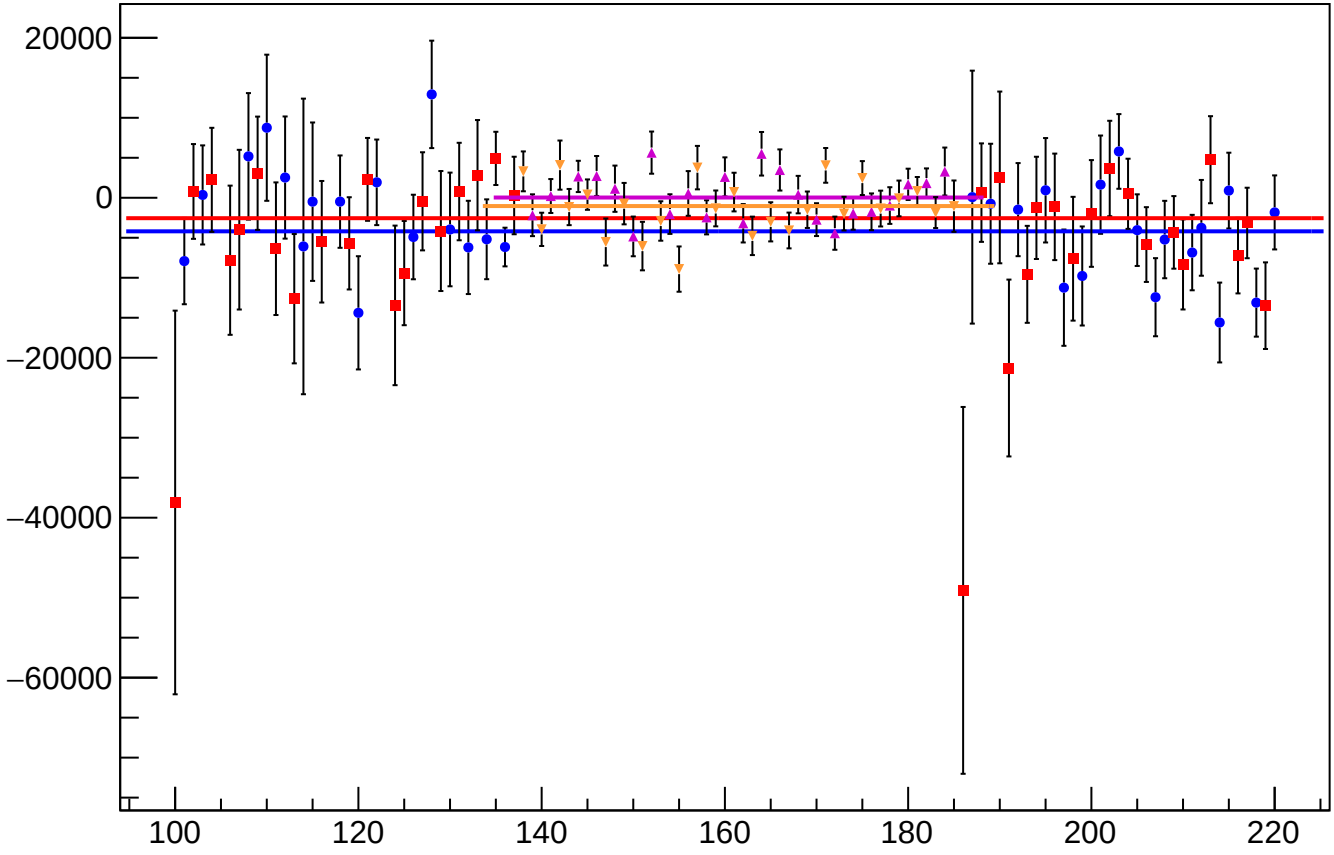
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 312.439+/-0.035 χ^2/NDF: 2125935.4/57

All: 314.864+/-0.025 χ^2/NDF: 5035485.6/117

- sign 317.437+/-0.036 χ^2/NDF: 2899824.3/59

asym_sam2_dit_correction_mean vs Slug



Right In: -4195.803+/-949.997 χ^2/NDF: 39.1/32

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -2553.592+/-1001.324 χ^2/NDF: 35.4/36

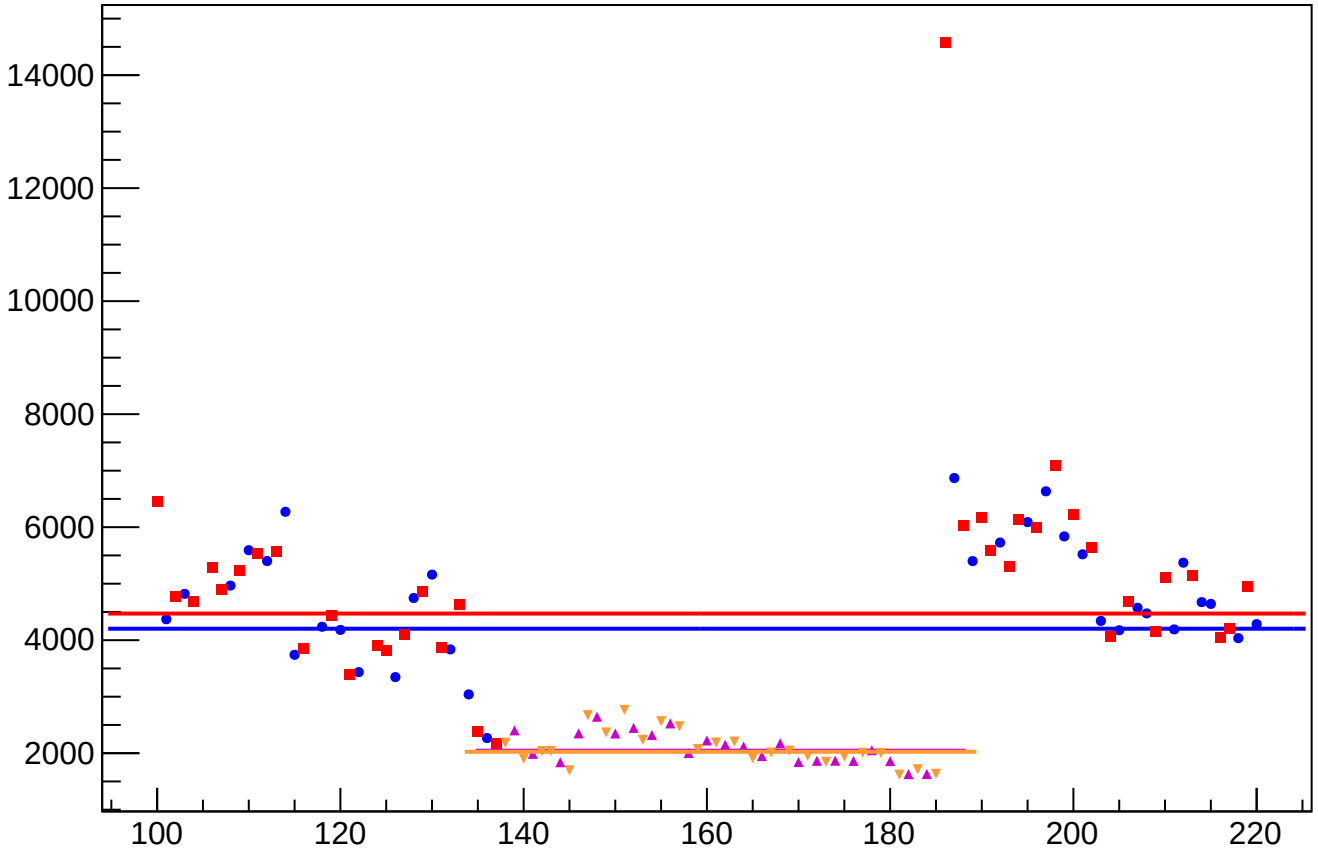
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1647.887+/-417.887 χ^2/NDF: 88.3/57

All: -1075.256+/-301.195 χ^2/NDF: 167.1/117

- sign -456.166+/-434.508 χ^2/NDF: 74.9/59

asym_sam2_dit_correction_rms vs Slug



Right In: 4202.952+/-0.672 χ^2/NDF: 2707712.4/32

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4471.057+/-0.708 χ^2/NDF: 2965229.9/36

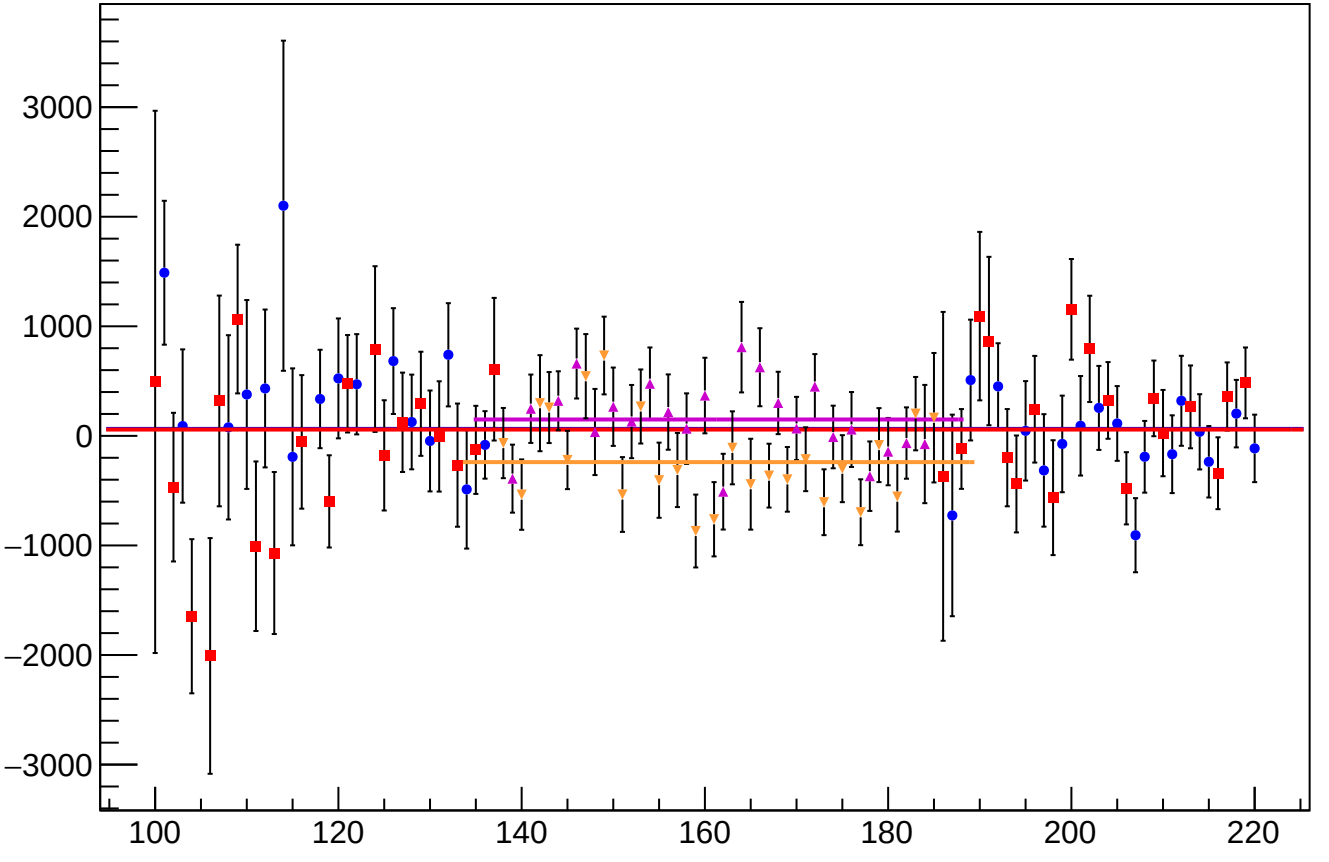
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2446.494+/-0.295 χ^2/NDF: 11885775.8/57

All: 2472.893+/-0.213 χ^2/NDF: 24985980.0/1

- sign 2501.435+/-0.307 χ^2/NDF: 13083593.0/59

eigen_dit_asym_sam2_mean vs Slug



Right In: 63.627+/-76.070 χ^2/NDF: 28.3/32

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: 57.629+/-78.361 χ^2/NDF: 45.5/36

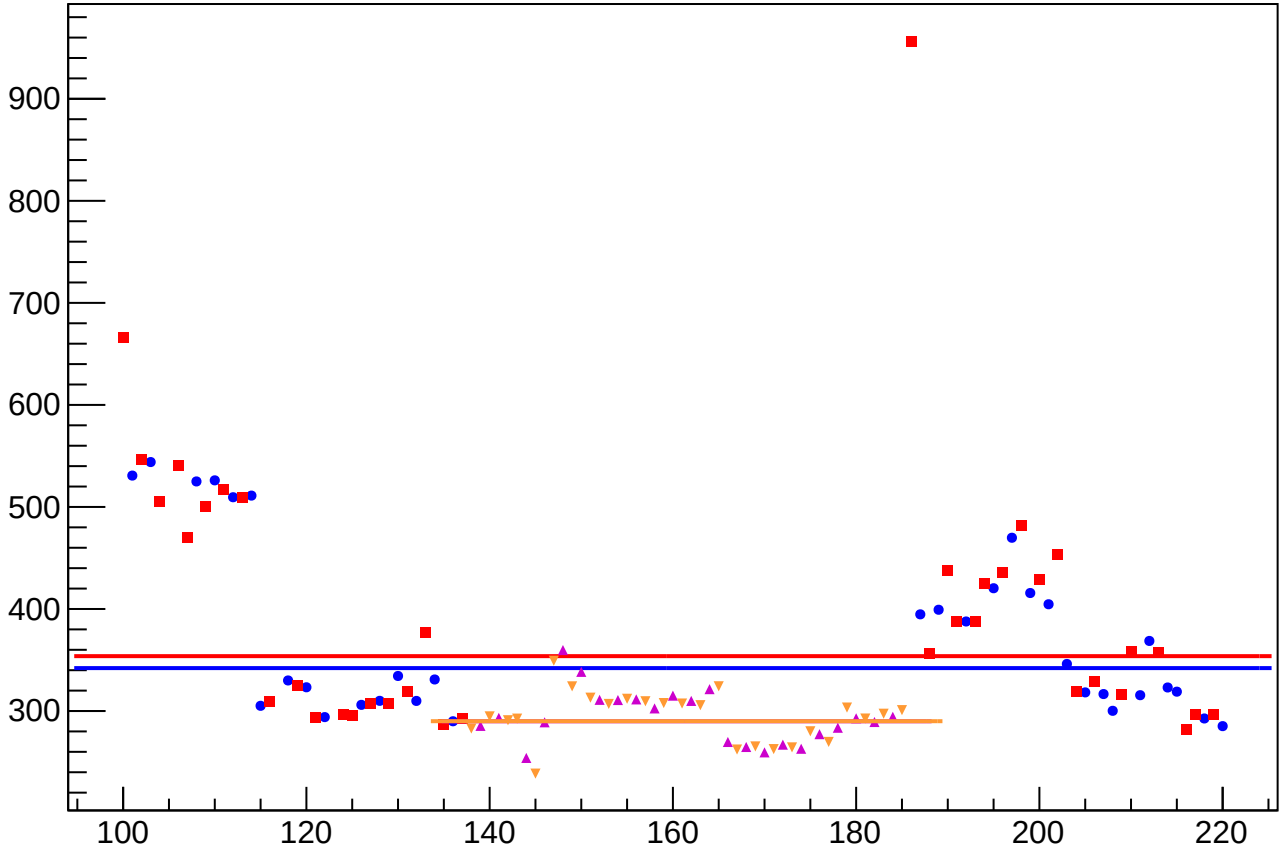
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -108.970+/-49.924 χ^2/NDF: 71.3/57

All: -2.761+/-35.821 χ^2/NDF: 148.7/117

- sign 109.940+/-51.427 χ^2/NDF: 68.0/59

eigen_dit_asym_sam2_rms vs Slug



Right In: 342.066+/-0.054 χ^2/NDF: 1312354.1/32

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 353.779+/-0.055 χ^2/NDF: 1874487.8/36

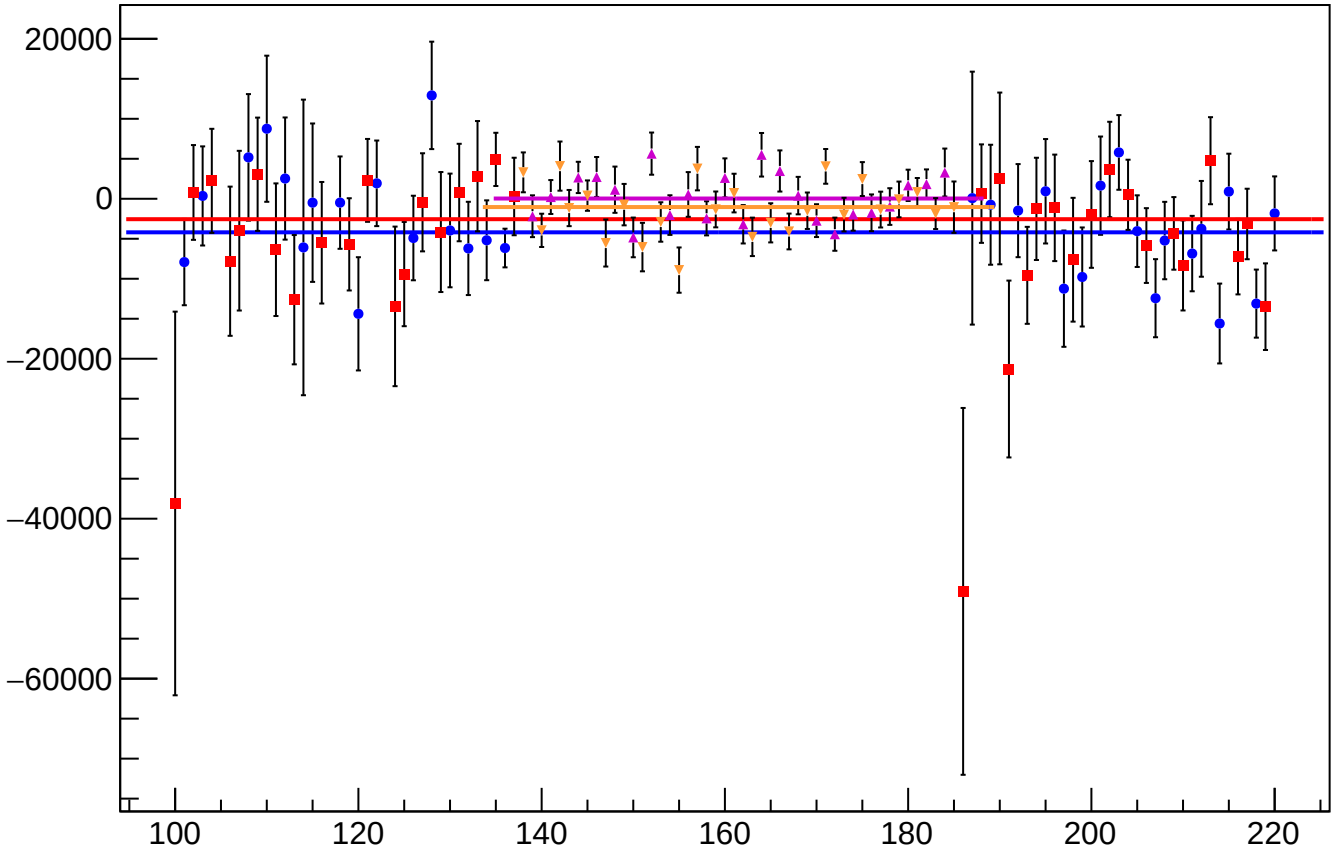
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 312.439+/-0.035 χ^2/NDF: 2125923.0/57

All: 314.864+/-0.025 χ^2/NDF: 5035458.8/117

- sign 317.437+/-0.036 χ^2/NDF: 2899809.5/59

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -4195.798+/-949.996 χ^2/NDF: 39.1/32

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -2553.589+/-1001.324 χ^2/NDF: 35.4/36

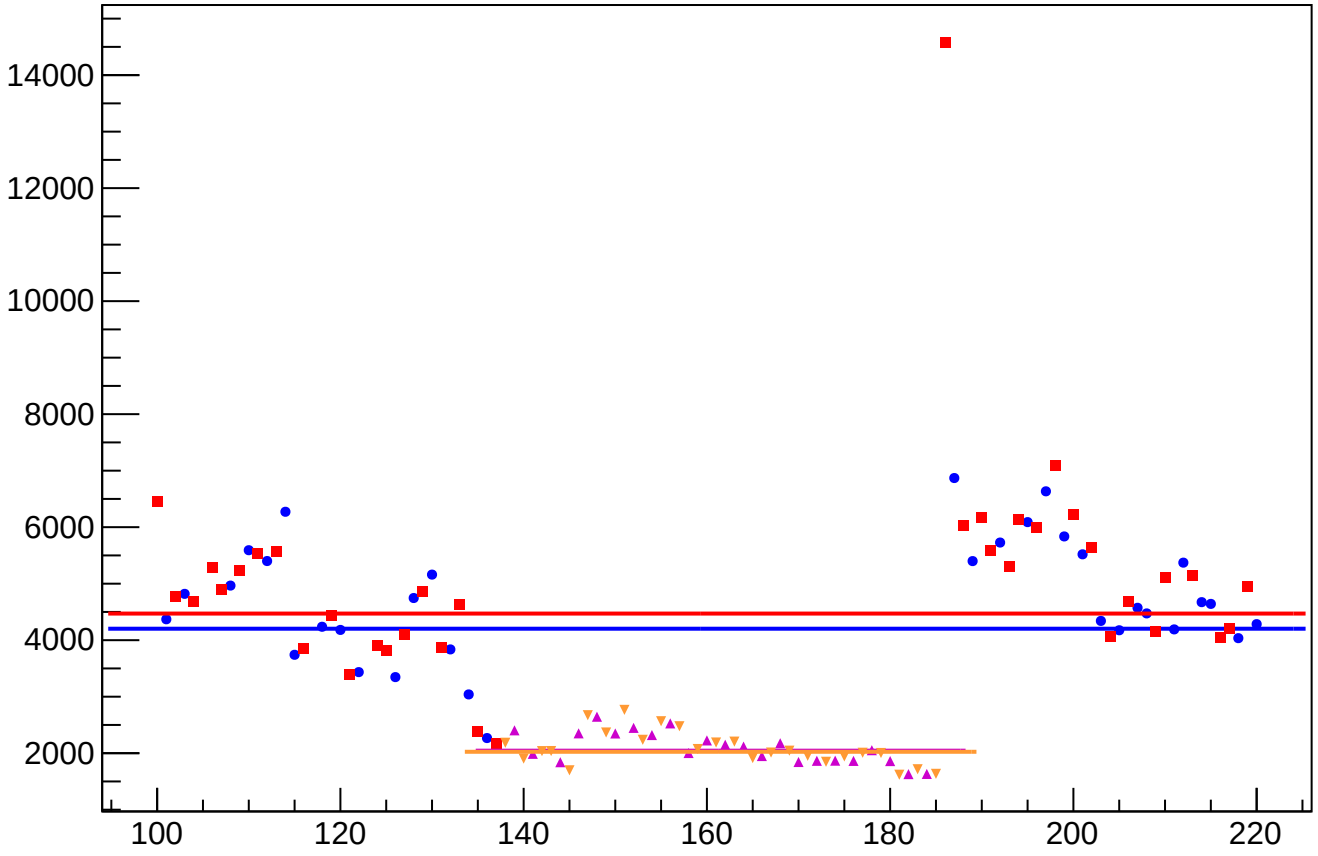
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1647.886+/-417.887 χ^2/NDF: 88.3/57

All: -1075.256+/-301.195 χ^2/NDF: 167.1/117

- sign -456.167+/-434.508 χ^2/NDF: 74.9/59

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4202.949+/-0.672 χ^2/NDF: 2707705.3/32

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4471.055+/-0.708 χ^2/NDF: 2965224.4/36

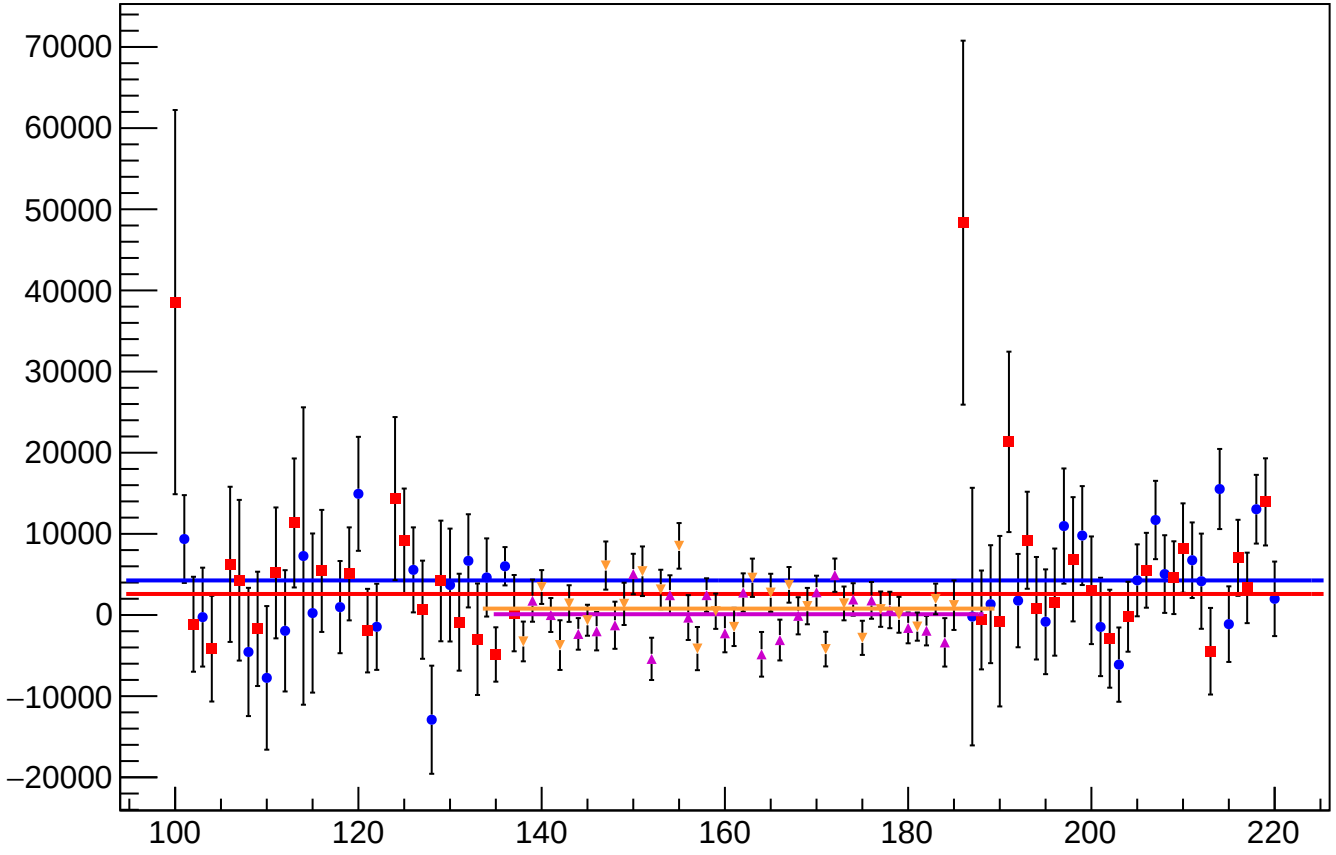
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2446.494+/-0.295 χ^2/NDF: 11885759.3/57

All: 2472.893+/-0.213 χ^2/NDF: 24985955.9/1

- sign 2501.434+/-0.307 χ^2/NDF: 13083585.8/59

asym_sam2_mean vs Slug



Right In: 4260.598+/-935.723 χ^2/NDF: 39.2/32

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 2592.196+/-991.542 χ^2/NDF: 34.6/36

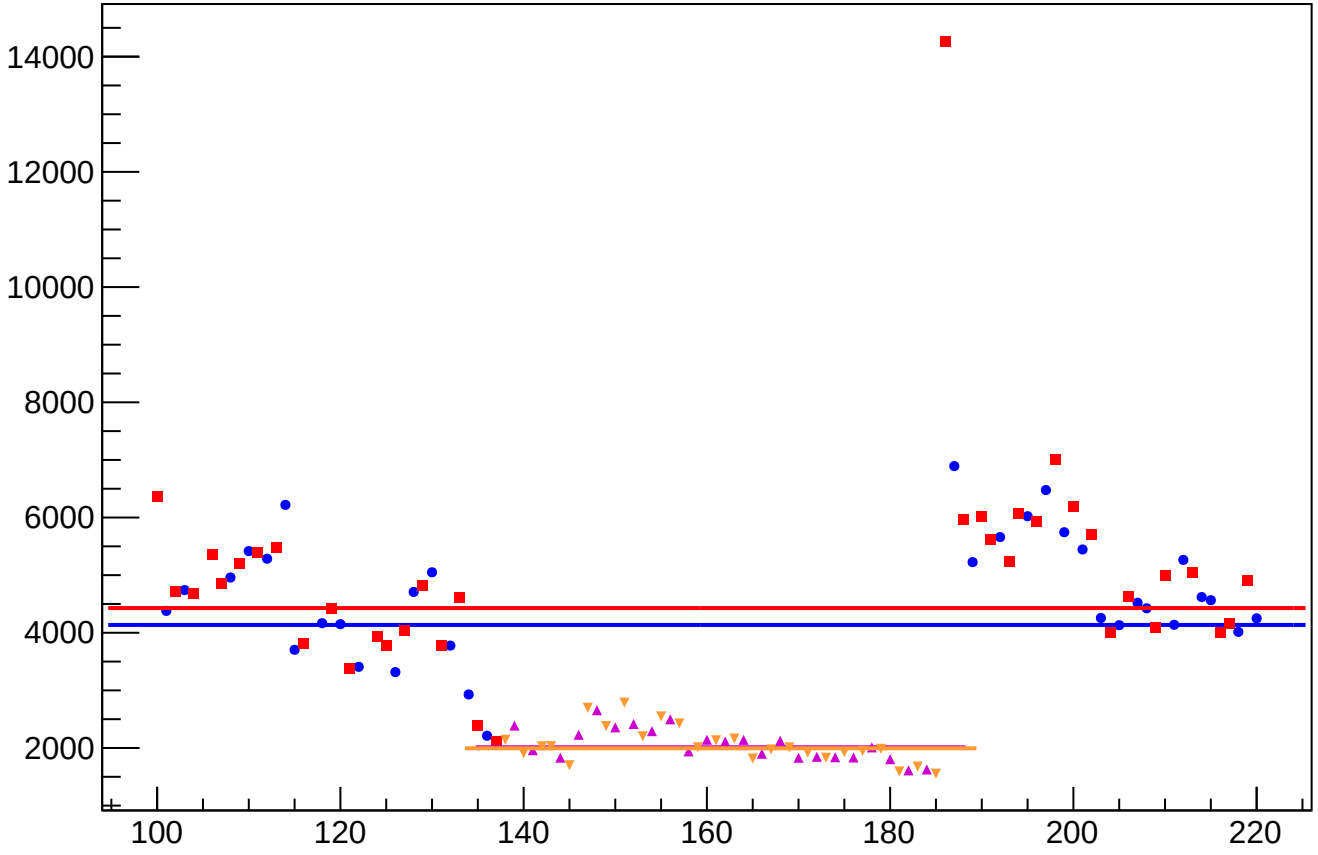
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1461.125+/-411.893 χ^2/NDF: 91.6/57

All: 1029.182+/-296.868 χ^2/NDF: 166.5/117

- sign 562.243+/-428.254 χ^2/NDF: 72.6/59

asym_sam2_rms vs Slug



Right In: 4136.020+/-0.662 χ^2/NDF: 2762444.5/32

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

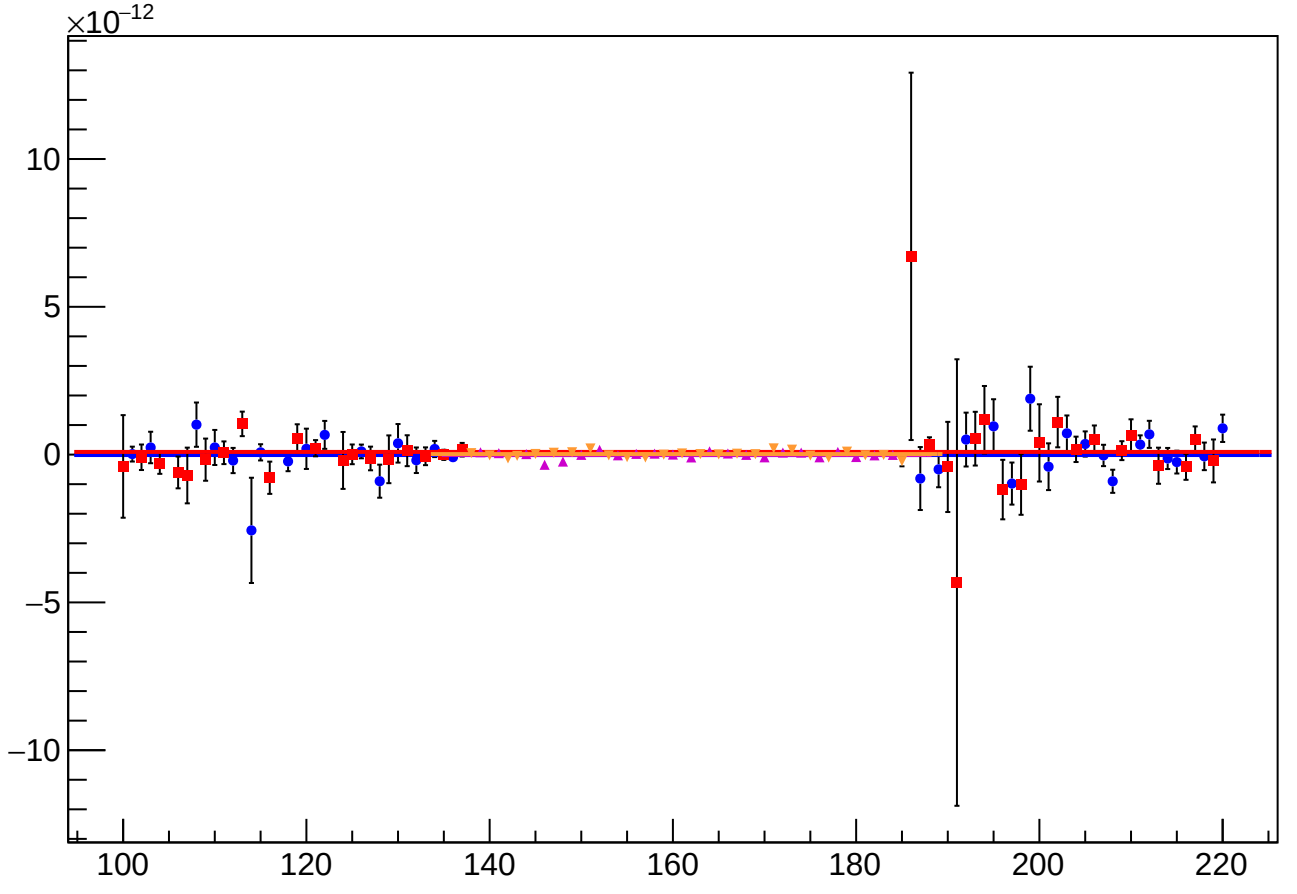
Right Out: 4428.747+/-0.701 χ^2/NDF: 2949094.2/36

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2409.245+/-0.291 χ^2/NDF: 11956773.6/57

All: 2435.264+/-0.210 χ^2/NDF: 25169262.9/1

- sign 2463.391+/-0.303 χ^2/NDF: 13195881.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 35.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

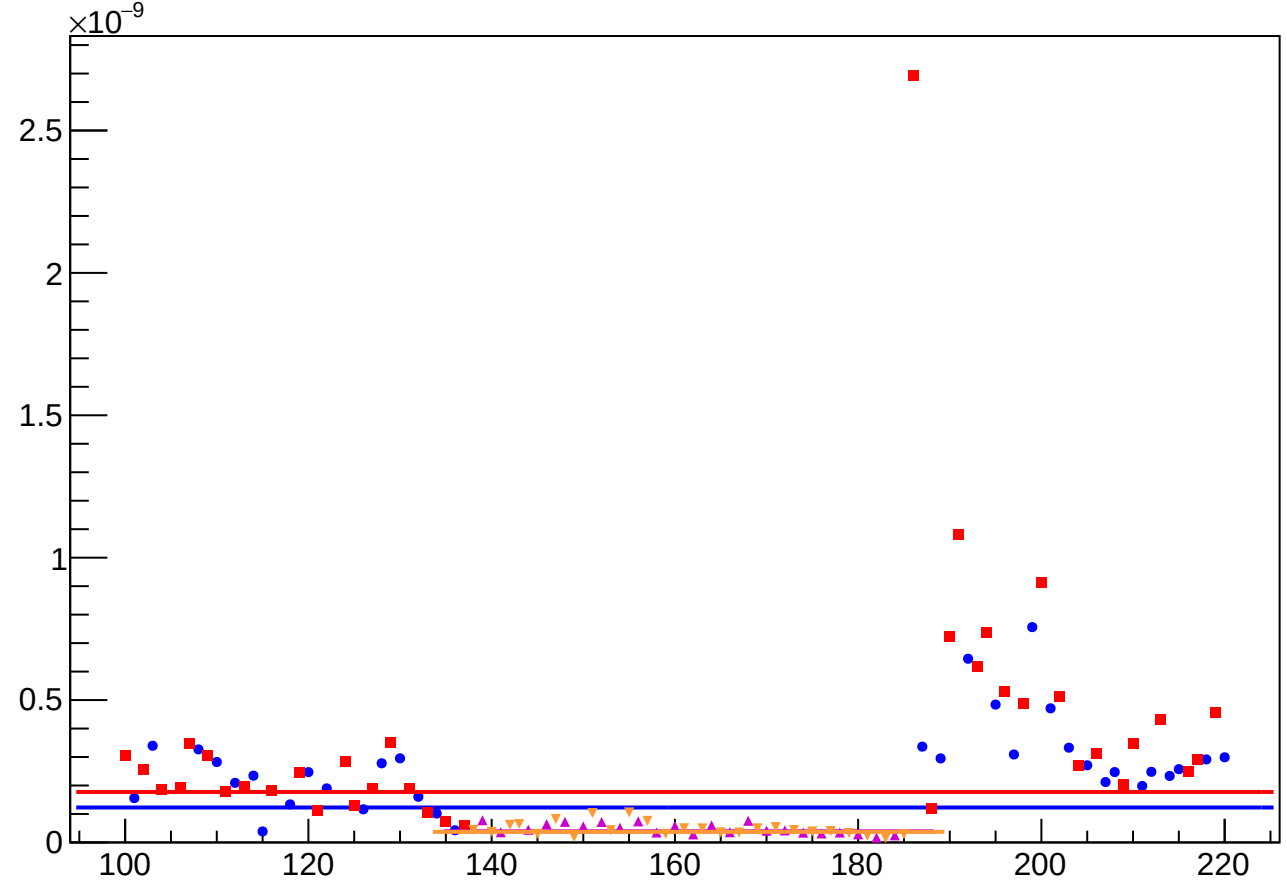
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/36

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.8/57

All: 0.000+/-0.000 χ^2/NDF: 118.1/117

- sign -0.000+/-0.000 χ^2/NDF: 60.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 8044695.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6258608.9/36

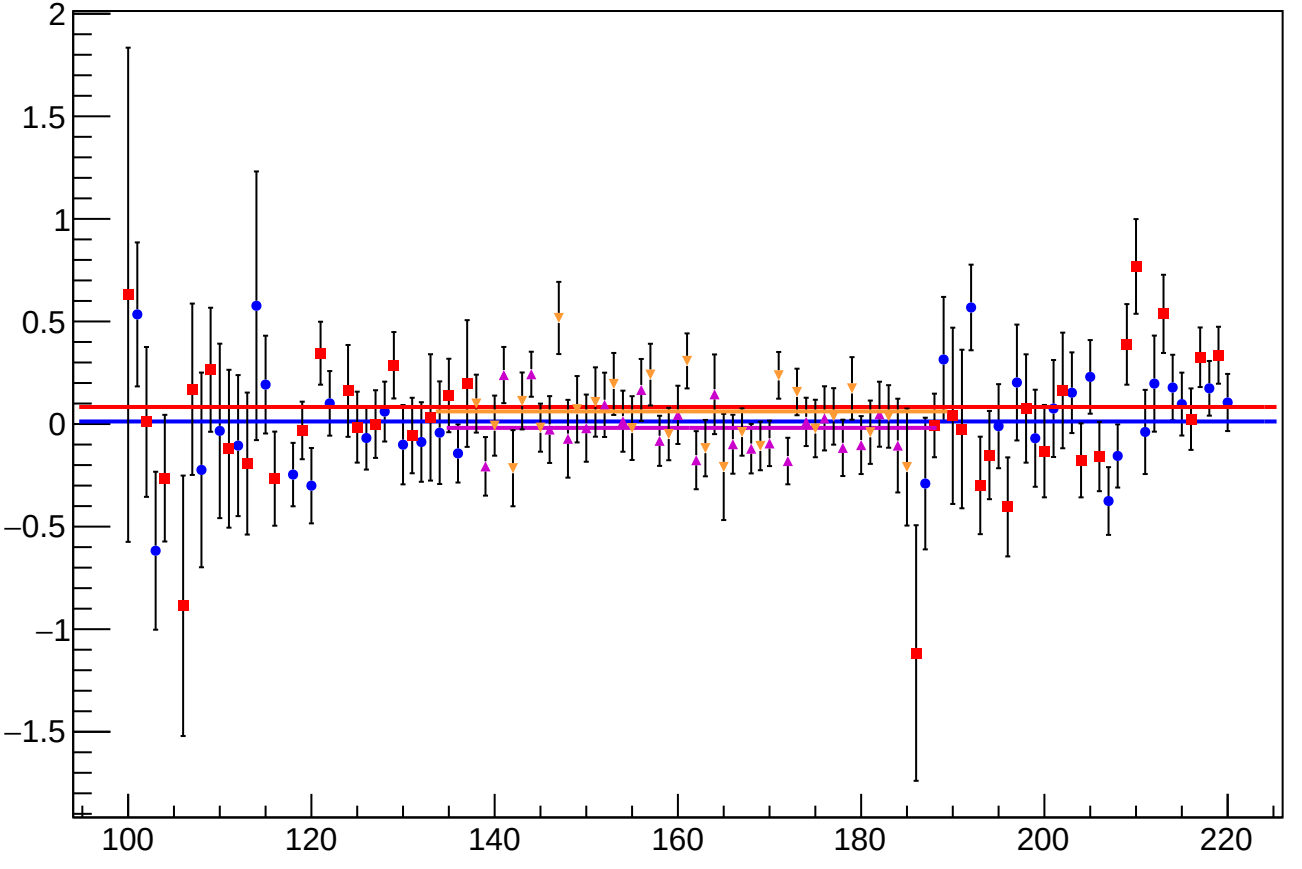
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15018382.6/57

All: 0.000+/-0.000 χ^2/NDF: 30544279.6/117

- sign 0.000+/-0.000 χ^2/NDF: 15498558.7/59

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.034 χ^2/NDF: 37.1/32

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.083+/-0.035 χ^2/NDF: 54.4/36

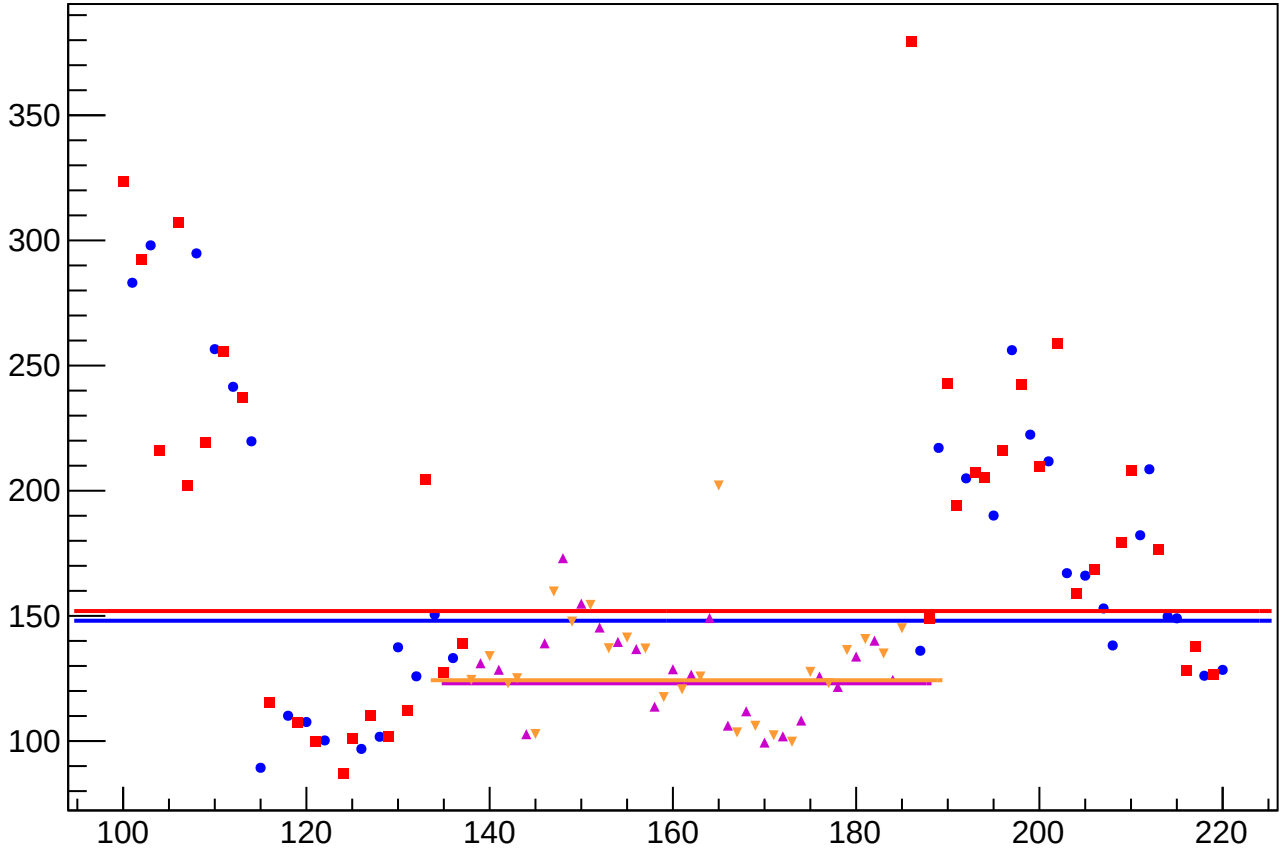
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.041+/-0.022 χ^2/NDF: 65.8/57

All: 0.033+/-0.016 χ^2/NDF: 145.8/117

- sign 0.023+/-0.022 χ^2/NDF: 79.7/59

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 148.064+/-0.024 χ^2/NDF: 3400171.5/32

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

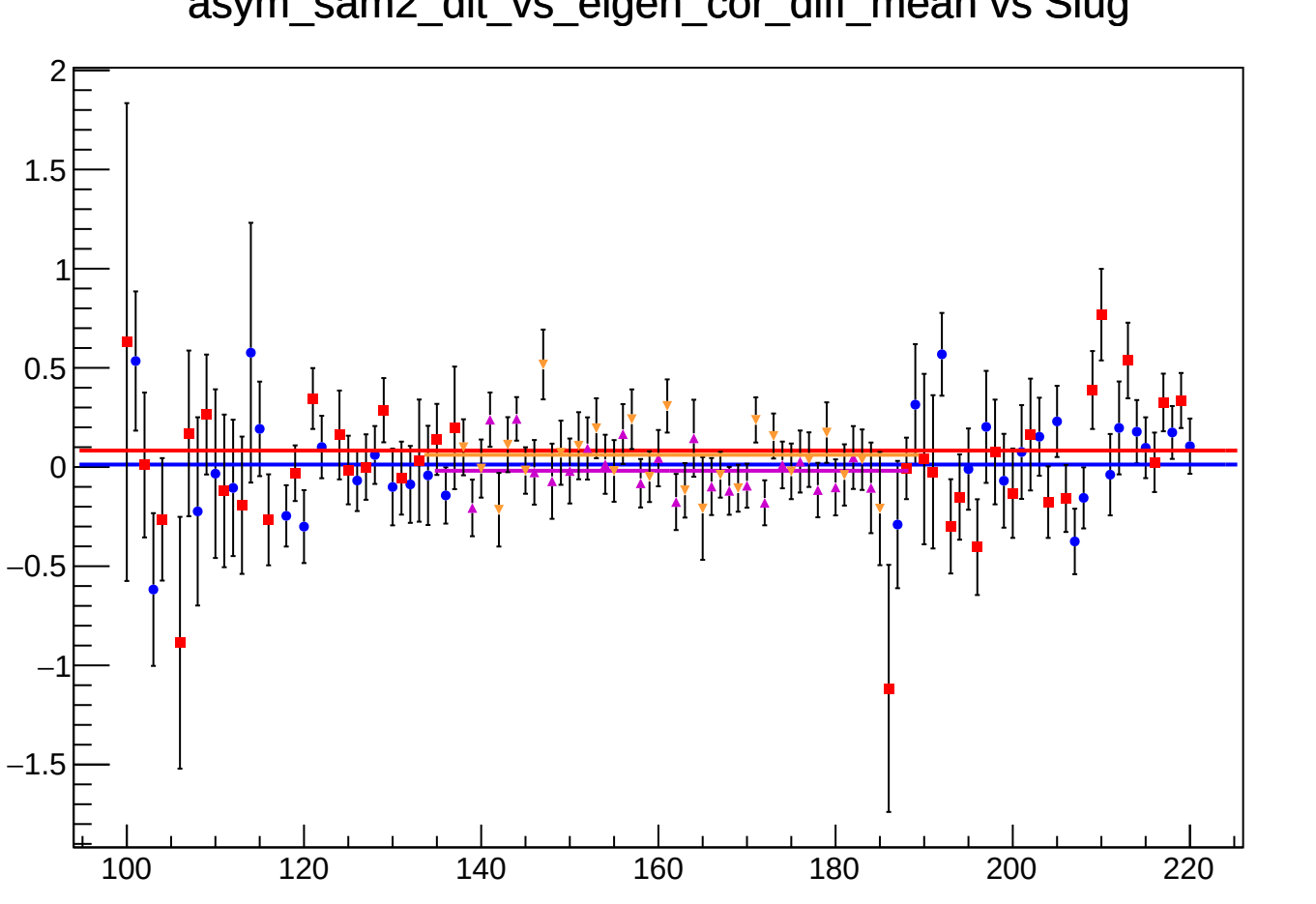
Right Out: 151.933+/-0.025 χ^2/NDF: 4028543.9/36

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 134.115+/-0.016 χ^2/NDF: 4808870.6/57

All: 134.535+/-0.011 χ^2/NDF: 10357367.5/11

- sign 134.975+/-0.016 χ^2/NDF: 5546998.5/59



Right In: 0.012+/-0.034 χ^2/NDF: 37.1/32

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.083+/-0.035 χ^2/NDF: 54.4/36

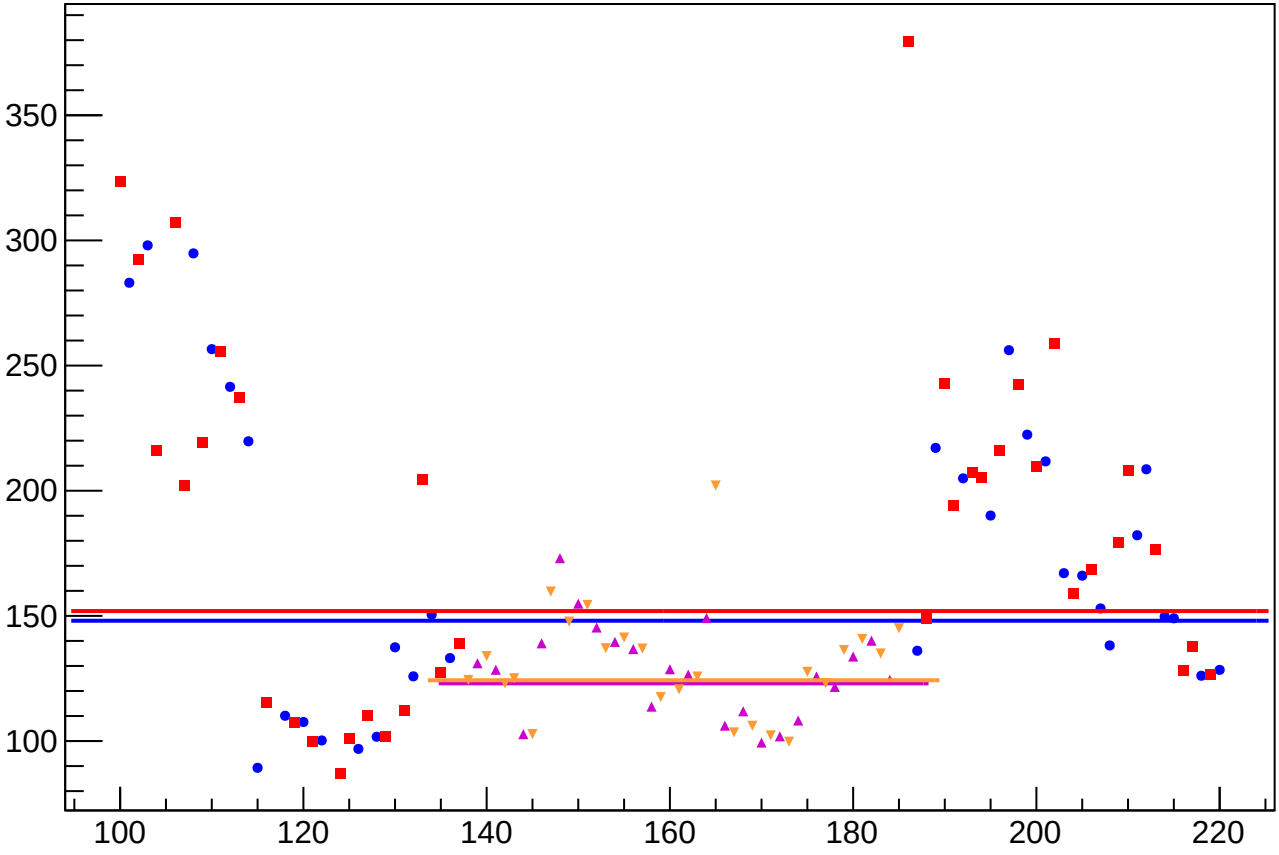
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.041+/-0.022 χ^2/NDF: 65.8/57

All: 0.033+/-0.016 χ^2/NDF: 145.8/117

- sign 0.023+/-0.022 χ^2/NDF: 79.7/59

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.064+/-0.024 χ^2/NDF: 3400171.5/32

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 151.933+/-0.025 χ^2/NDF: 4028543.9/36

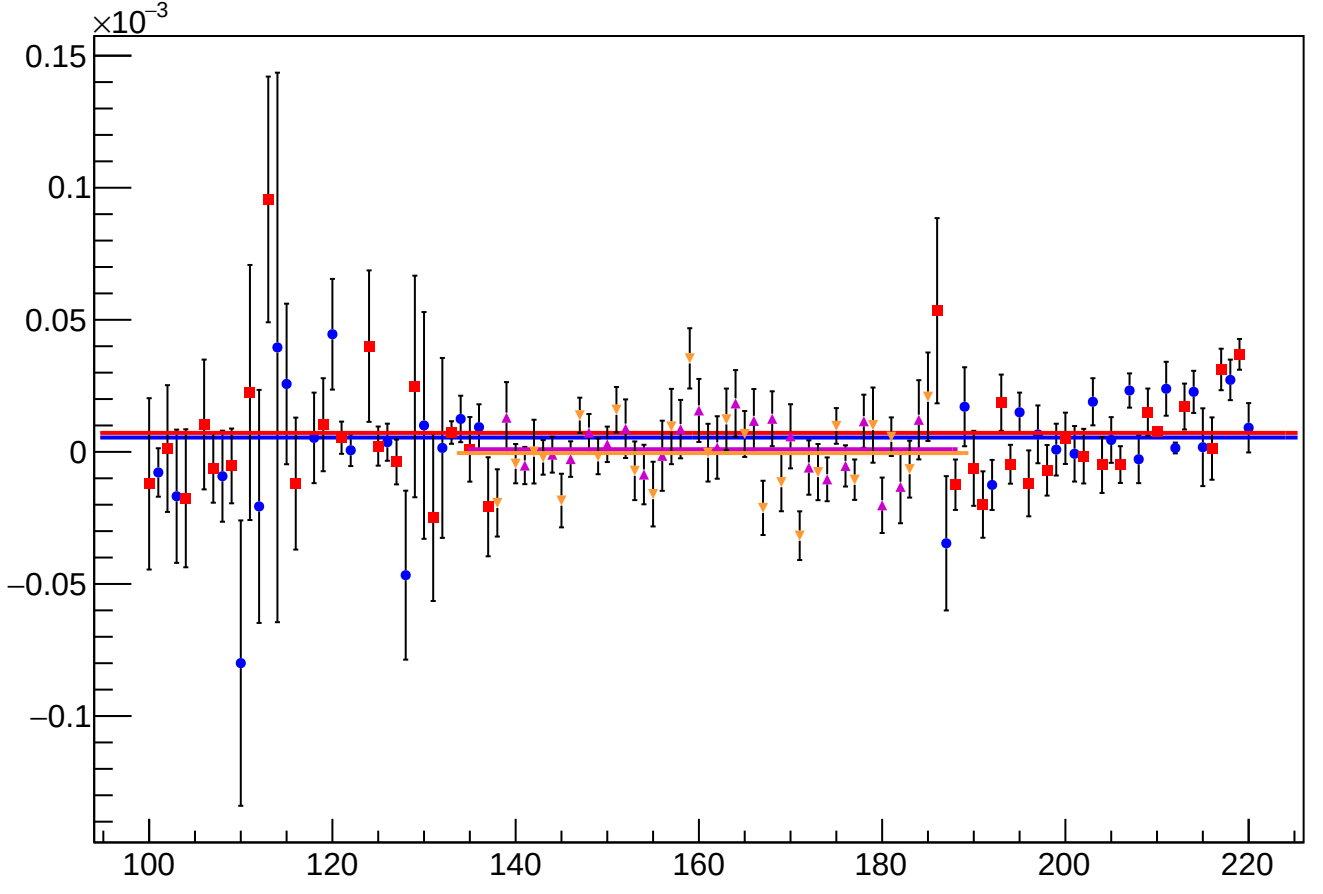
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 134.115+/-0.016 χ^2/NDF: 4808870.6/57

All: 134.535+/-0.011 χ^2/NDF: 10357367.5/11

- sign 134.975+/-0.016 χ^2/NDF: 5546998.5/59

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 54.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 77.6/36

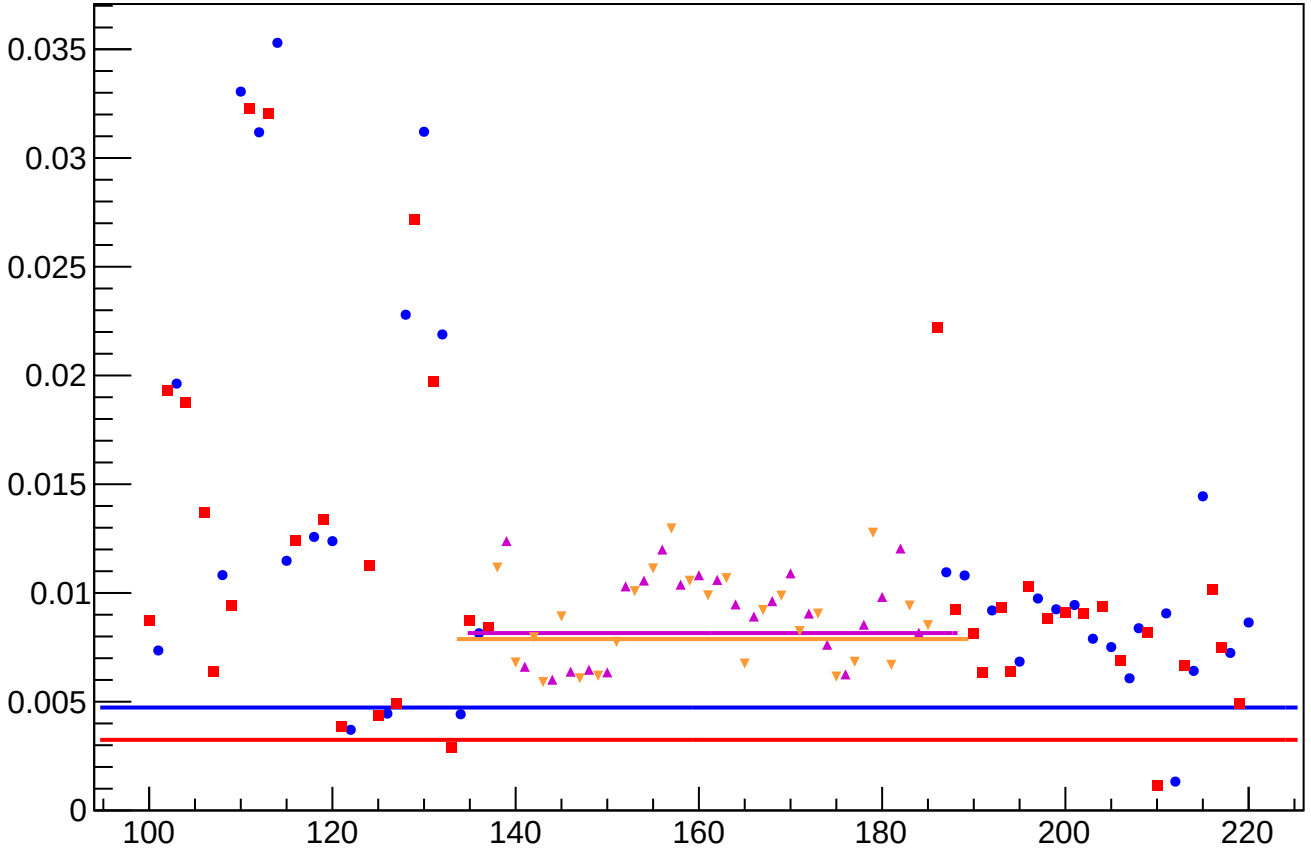
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 113.2/57

All: 0.000+/-0.000 χ^2/NDF: 221.4/117

- sign 0.000+/-0.000 χ^2/NDF: 105.1/59

asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 16233097.0/32

Left Out: 0.008+/-0.000 χ^2/NDF:2076596.0/24

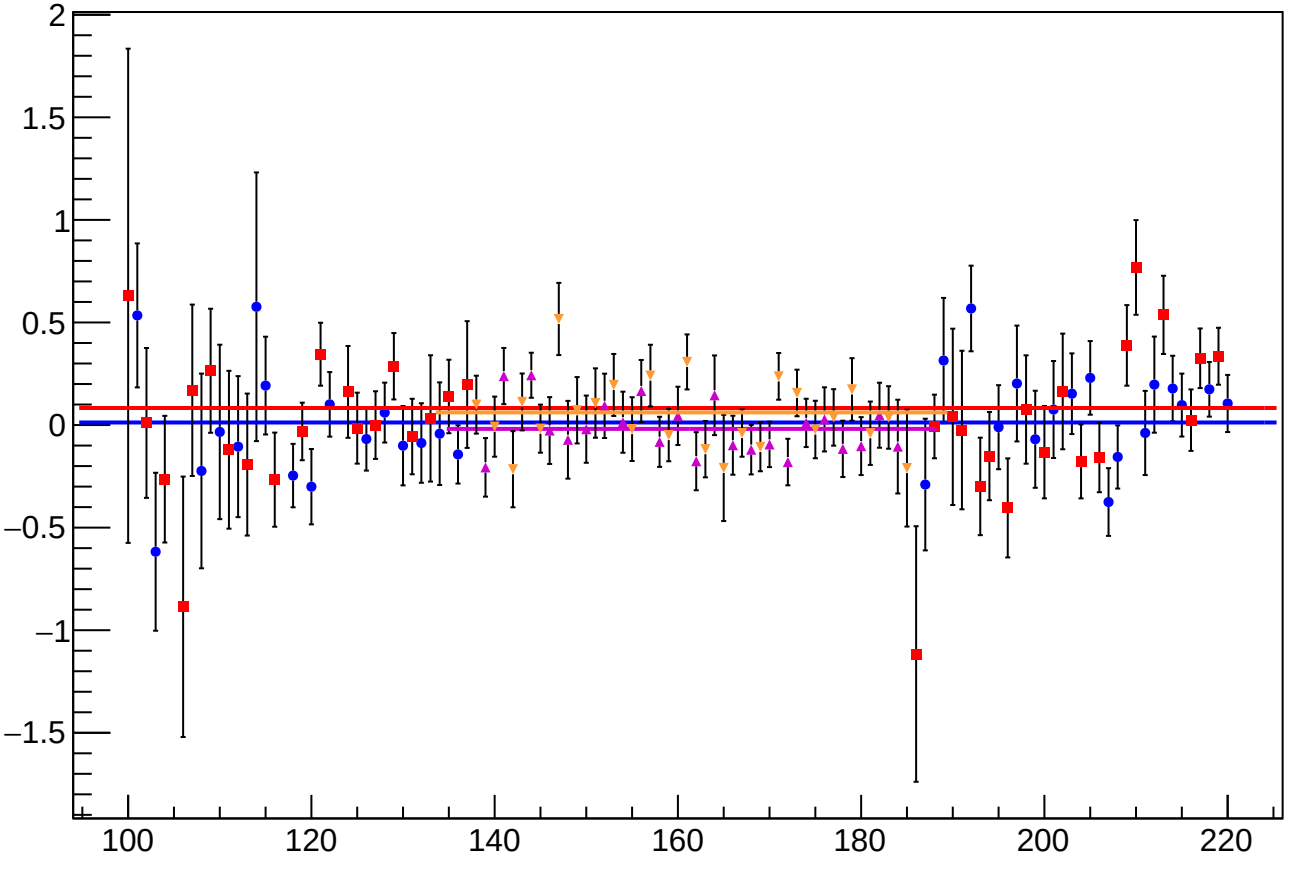
Right Out: 0.003+/-0.000 χ^2/NDF: 20964546.1/36

Left In: 0.008+/-0.000 χ^2/NDF:2017677.5/22

+ sign 0.006+/-0.000 χ^2/NDF: 22021879.2/57

All: 0.005+/-0.000 χ^2/NDF: 56872532.9/117

- sign 0.004+/-0.000 χ^2/NDF: 32563641.4/59



Right In: 0.013+/-0.034 χ^2/NDF: 37.1/32

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.083+/-0.035 χ^2/NDF: 54.4/36

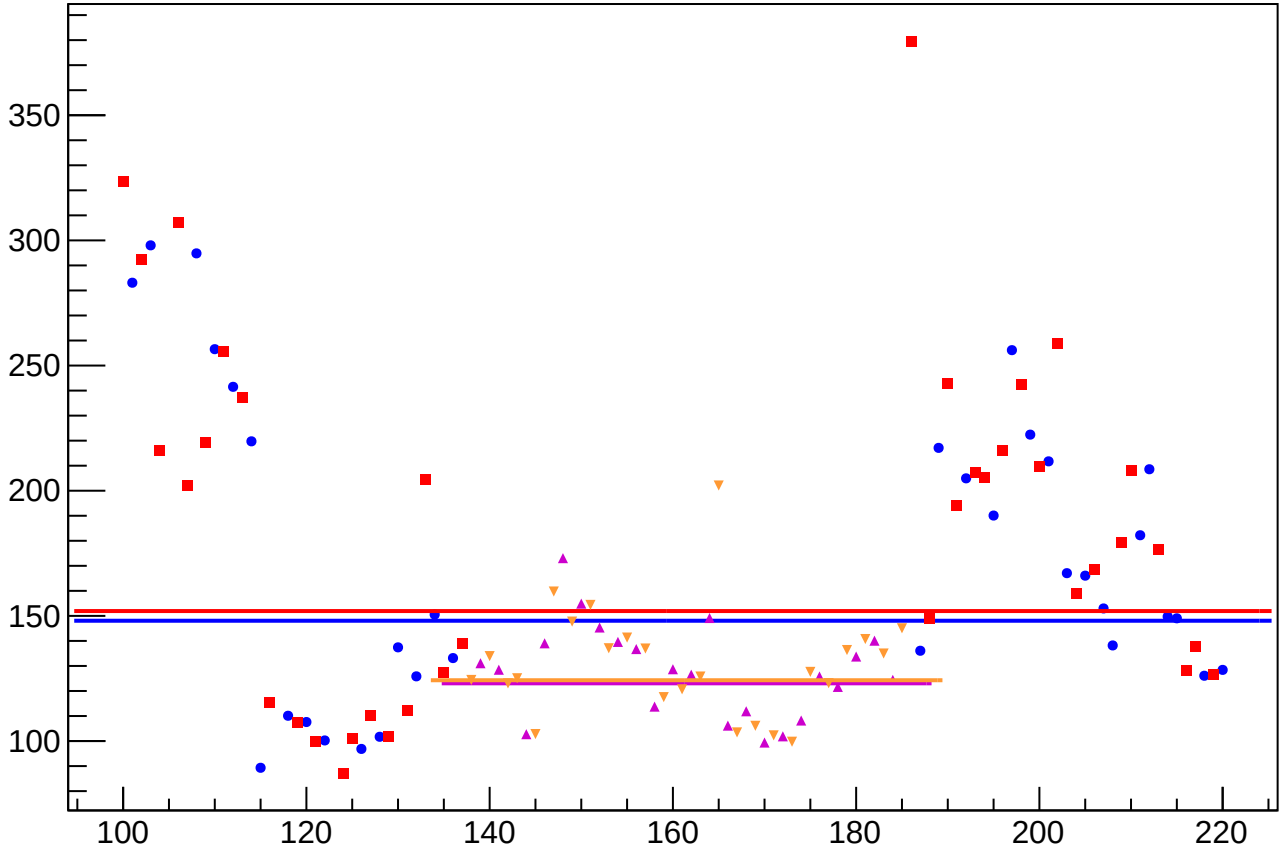
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.041+/-0.022 χ^2/NDF: 65.8/57

All: 0.033+/-0.016 χ^2/NDF: 145.8/117

- sign 0.023+/-0.022 χ^2/NDF: 79.7/59

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.062+/-0.024 χ^2/NDF: 3400255.1/32

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

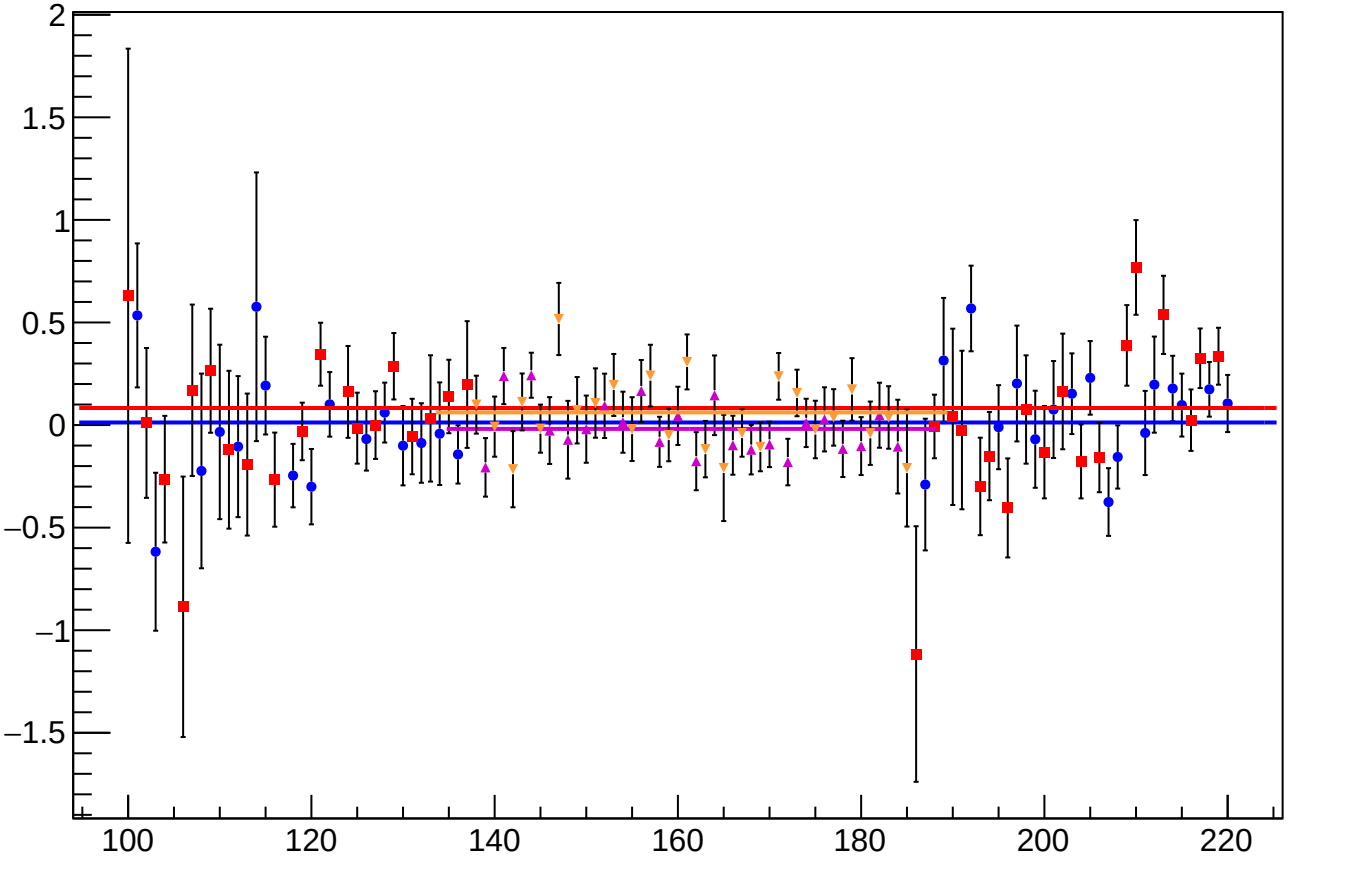
Right Out: 151.931+/-0.025 χ^2/NDF: 4028669.3/36

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 134.114+/-0.016 χ^2/NDF: 4808920.1/57

All: 134.534+/-0.011 χ^2/NDF: 10357475.7/11

- sign 134.974+/-0.016 χ^2/NDF: 5547057.3/59



Right In: 0.013+/-0.034 χ^2/NDF: 37.1/32

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: 0.083+/-0.035 χ^2/NDF: 54.4/36

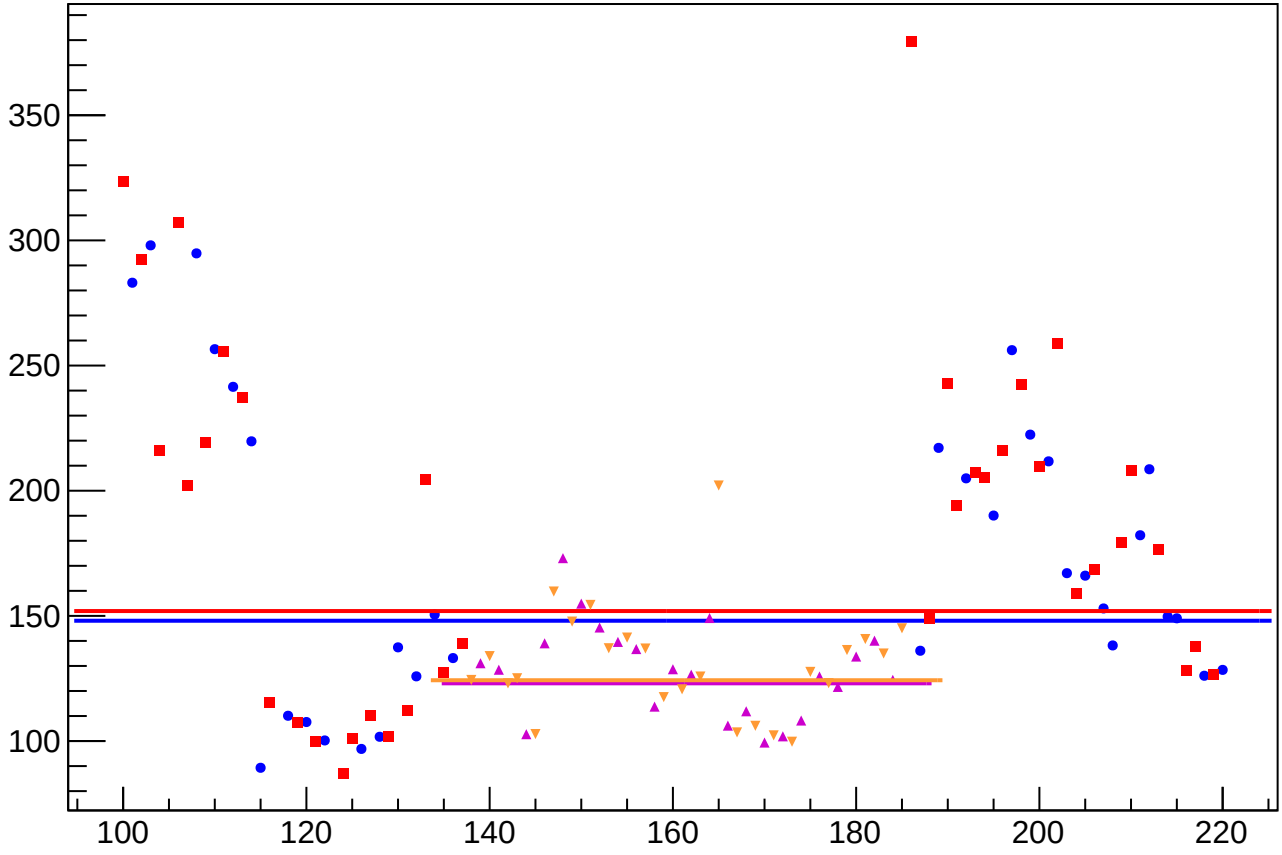
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.041+/-0.022 χ^2/NDF: 65.8/57

All: 0.033+/-0.016 χ^2/NDF: 145.8/117

- sign 0.023+/-0.022 χ^2/NDF: 79.7/59

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.062+/-0.024 χ^2/NDF: 3400255.1/32

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

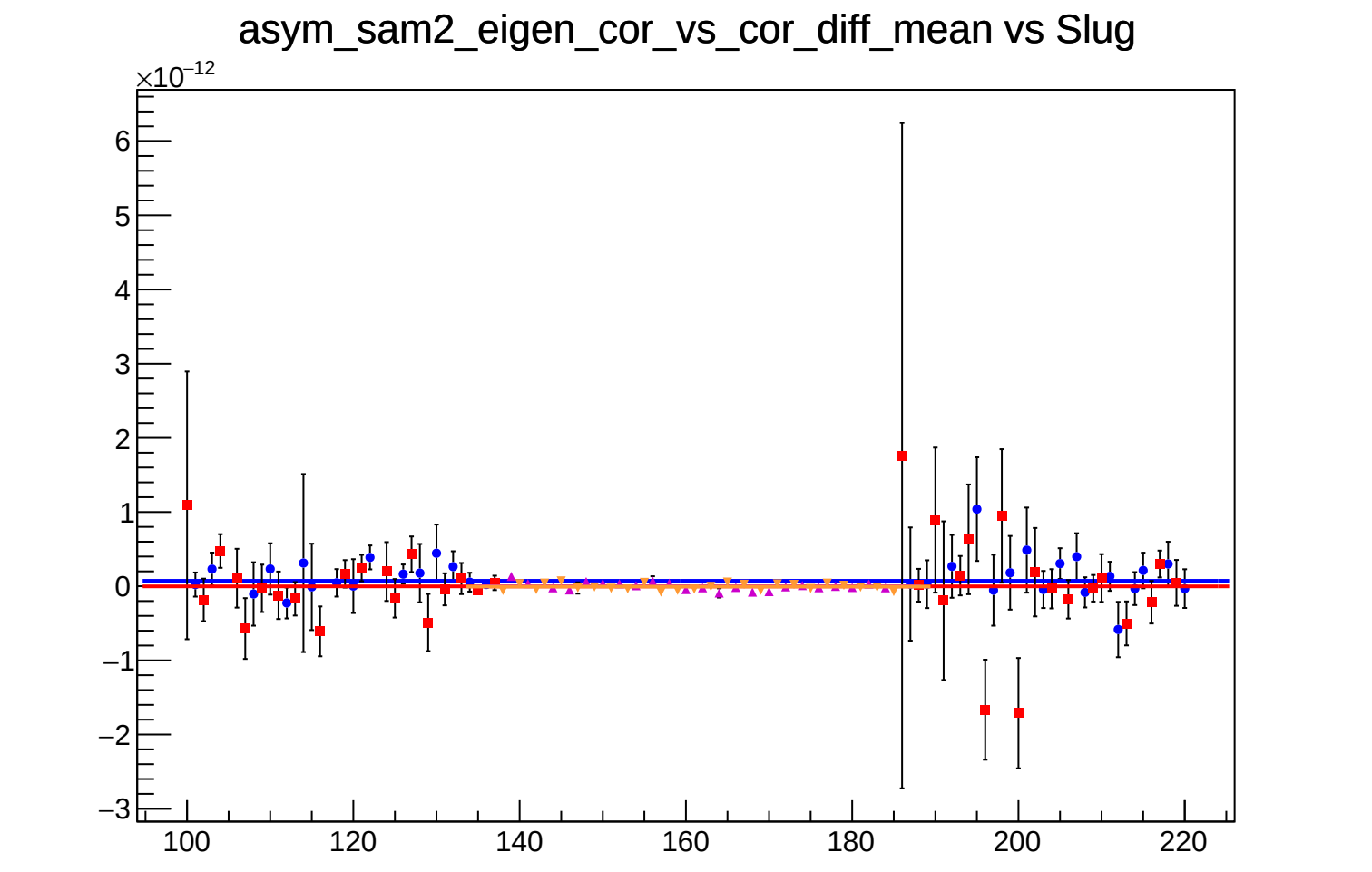
Right Out: 151.931+/-0.025 χ^2/NDF: 4028669.3/36

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 134.114+/-0.016 χ^2/NDF: 4808920.1/57

All: 134.534+/-0.011 χ^2/NDF: 10357475.7/11

- sign 134.974+/-0.016 χ^2/NDF: 5547057.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

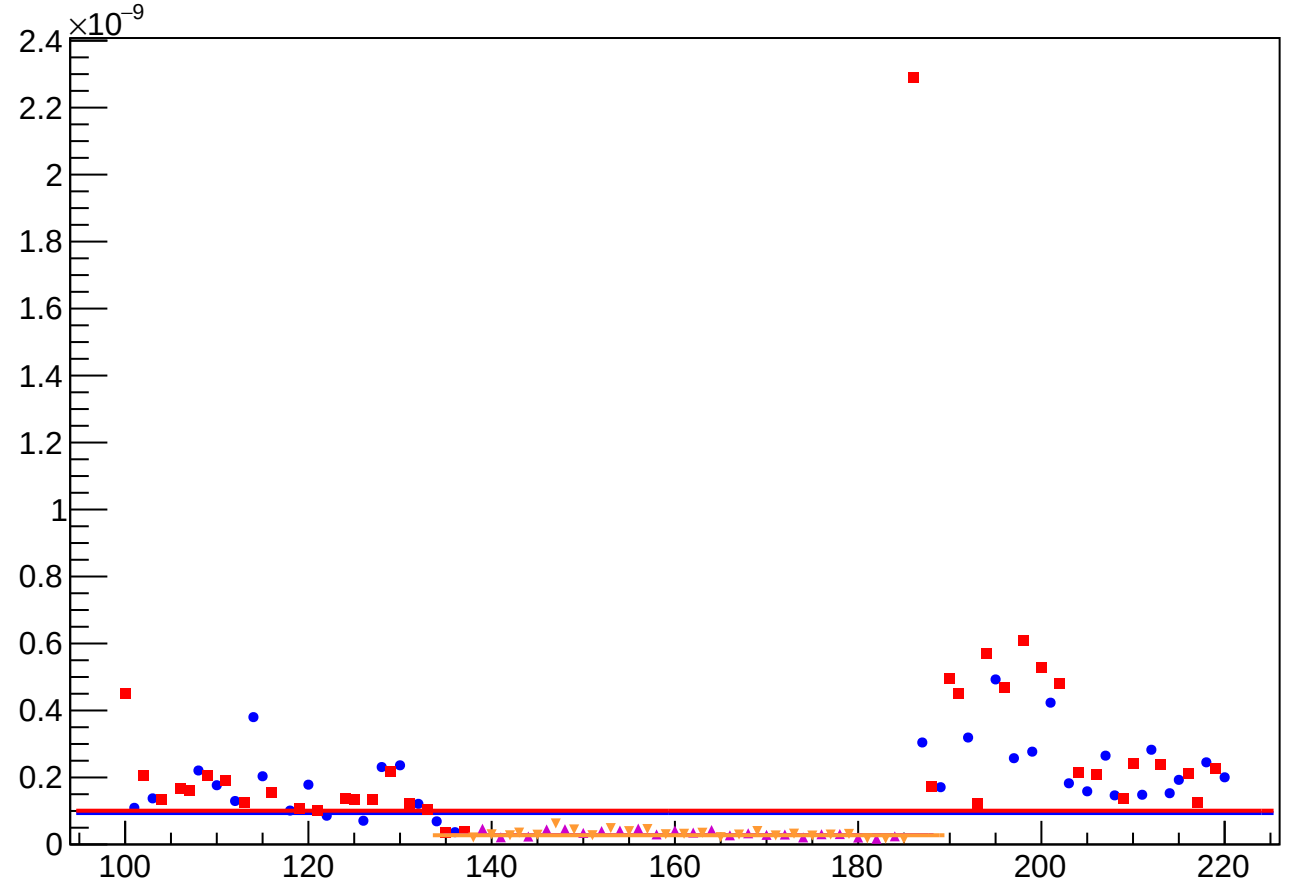
Right Out: -0.000+/-0.000 χ^2/NDF: 42.1/36

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 50.8/57

All: -0.000+/-0.000 χ^2/NDF: 117.6/117

- sign -0.000+/-0.000 χ^2/NDF: 66.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 10102803.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11641702.8/36

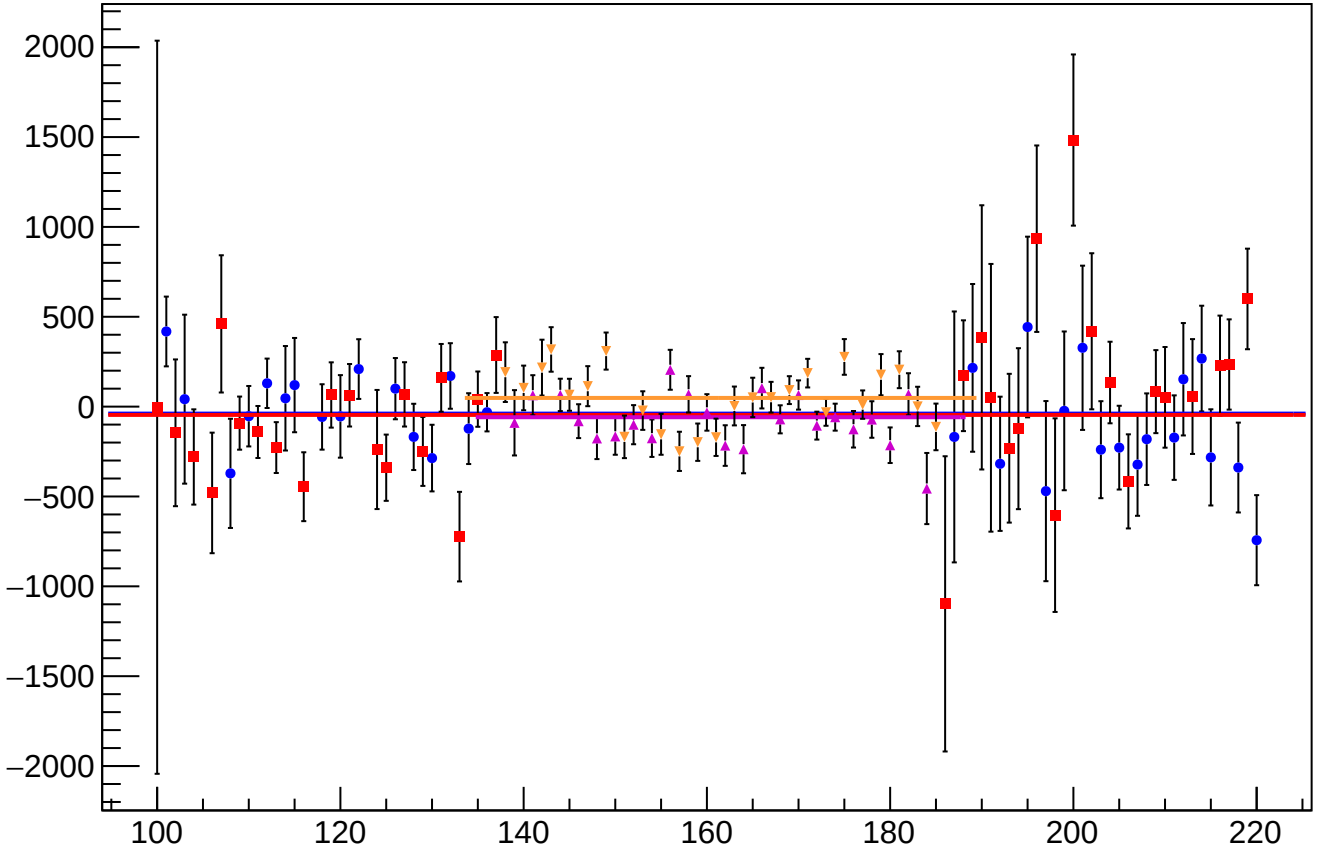
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 20505626.9/57

All: 0.000+/-0.000 χ^2/NDF: 42565541.4/117

- sign 0.000+/-0.000 χ^2/NDF: 22048139.7/59

reg_asym_sam3_mean vs Slug



Right In: -38.895+/-39.043 χ^2/NDF: 33.1/32

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -46.056+/-39.641 χ^2/NDF: 56.9/36

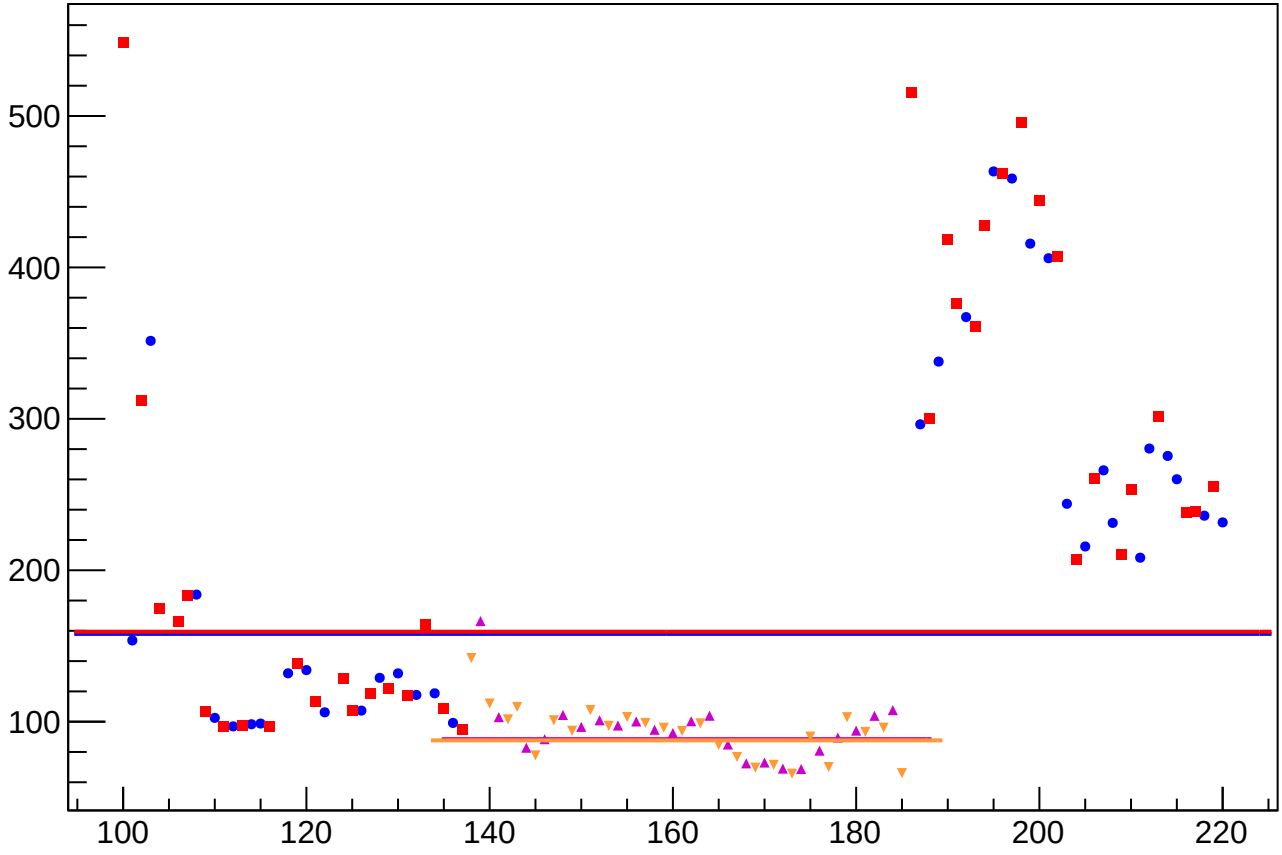
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 29.640+/-18.097 χ^2/NDF: 90.6/57

All: -11.926+/-12.992 χ^2/NDF: 189.1/117

- sign -56.141+/-18.664 χ^2/NDF: 87.6/59

reg_asym_sam3_rms vs Slug



Right In: 157.987+/-0.028 χ^2/NDF: 8347395.6/32

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 159.413+/-0.028 χ^2/NDF: 9546321.5/36

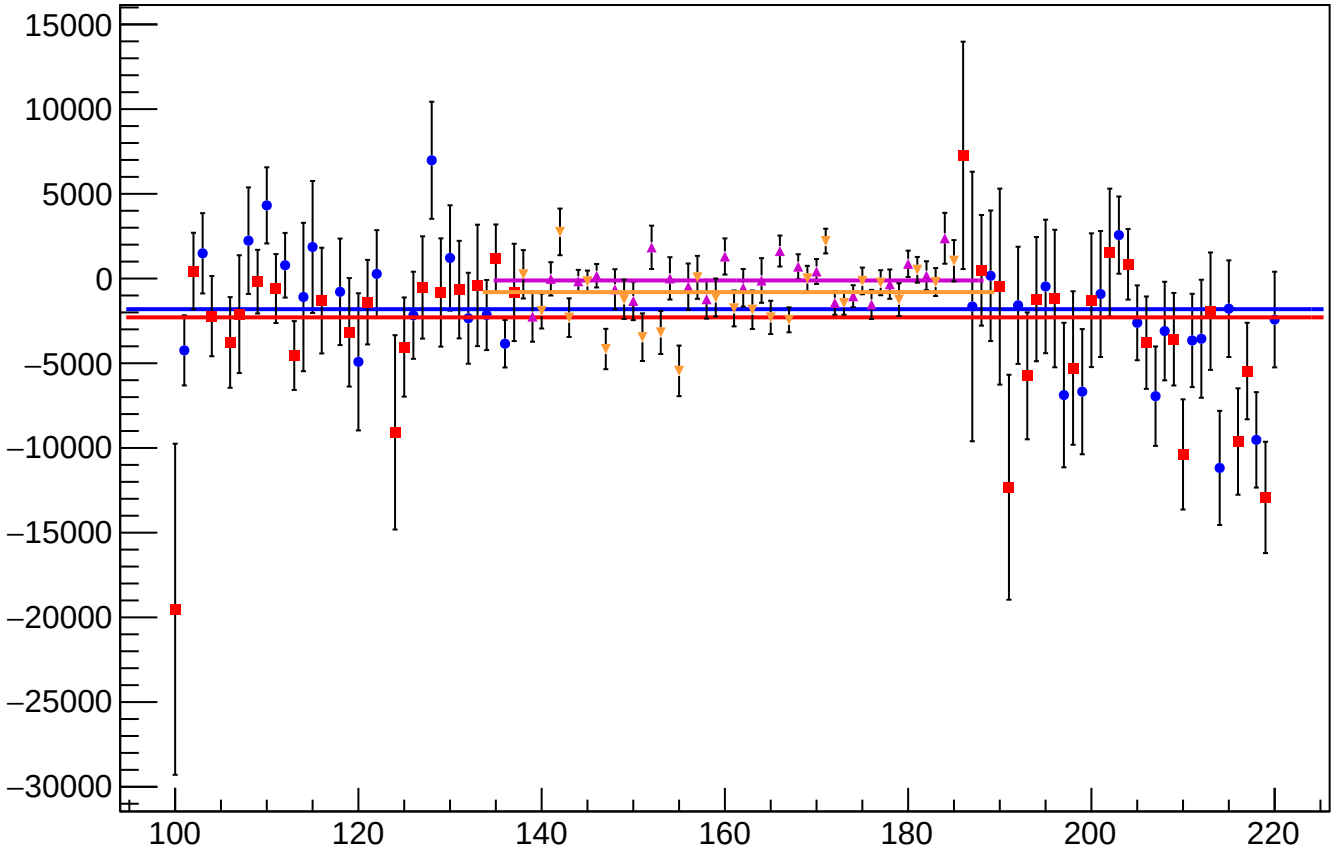
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 102.765+/-0.013 χ^2/NDF: 14656183.3/57

All: 103.464+/-0.009 χ^2/NDF: 30268276.7/11

- sign 104.207+/-0.013 χ^2/NDF: 15605943.2/59

asym_sam3_reg_correction_mean vs Slug



Right In: -1808.488+/-478.049 χ^2/NDF: 52.8/32

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -2290.275+/-487.243 χ^2/NDF: 48.4/36

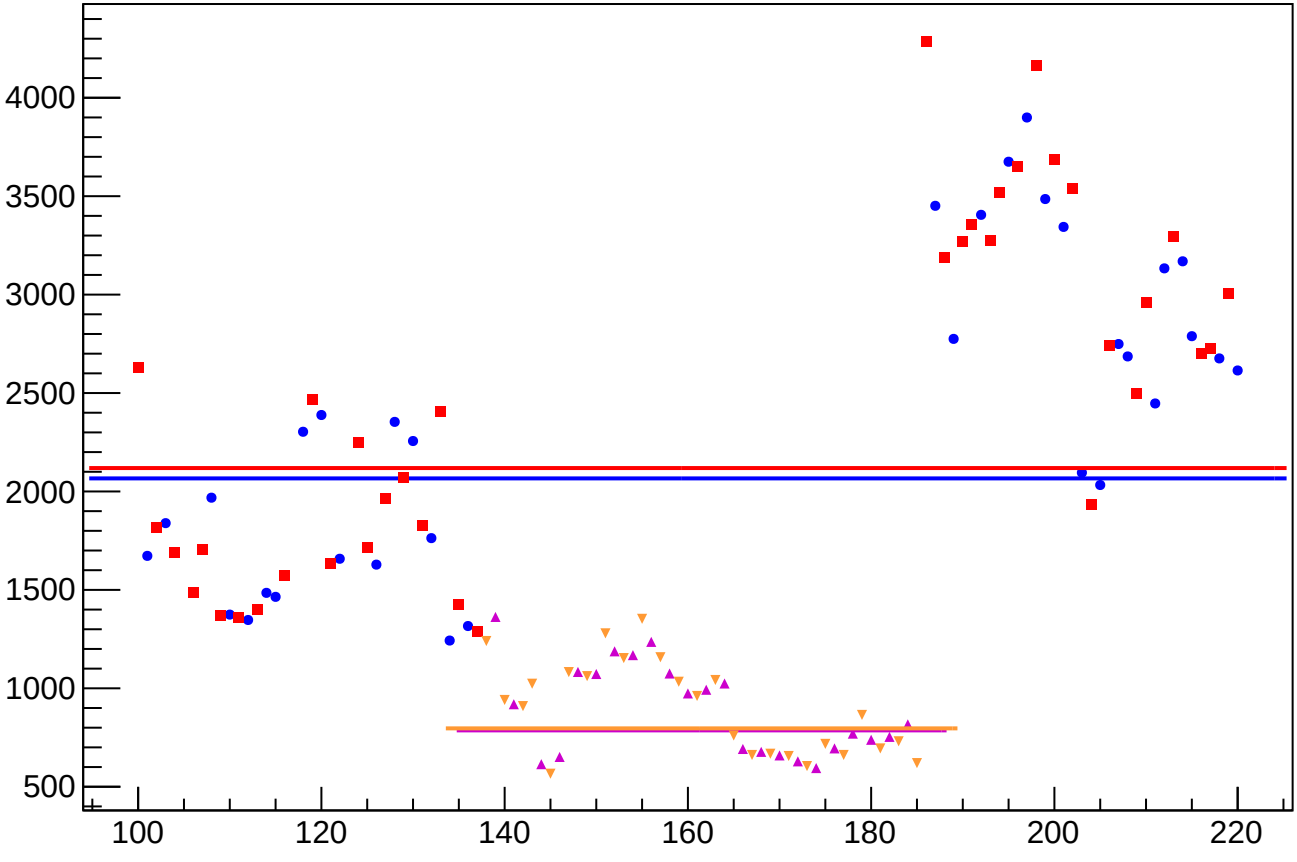
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -936.079+/-174.760 χ^2/NDF: 128.5/57

All: -672.124+/-124.440 χ^2/NDF: 225.9/117

- sign -400.638+/-177.235 χ^2/NDF: 92.8/59

asym_sam3_reg_correction_rms vs Slug



Right In: 2066.351+/-0.338 χ^2/NDF: 4316906.7/32

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 2118.906+/-0.345 χ^2/NDF: 4918095.6/36

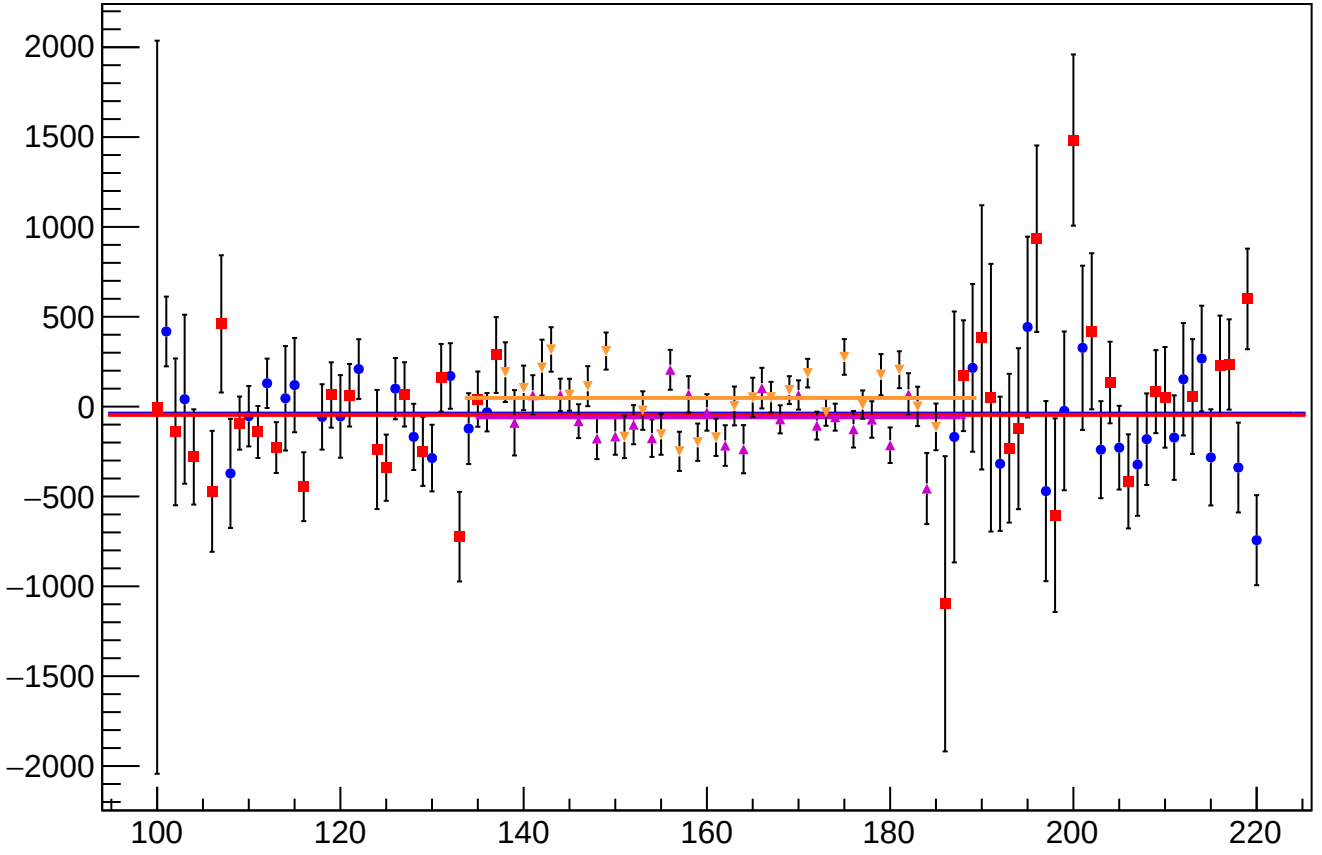
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 966.224+/-0.124 χ^2/NDF: 18960444.6/57

All: 964.464+/-0.088 χ^2/NDF: 39015733.1/11

- sign 962.655+/-0.125 χ^2/NDF: 20054877.3/59

cor_asym_sam3_mean vs Slug



Right In: -38.908+/-39.043 χ^2/NDF: 33.1/32

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -45.841+/-39.643 χ^2/NDF: 56.8/36

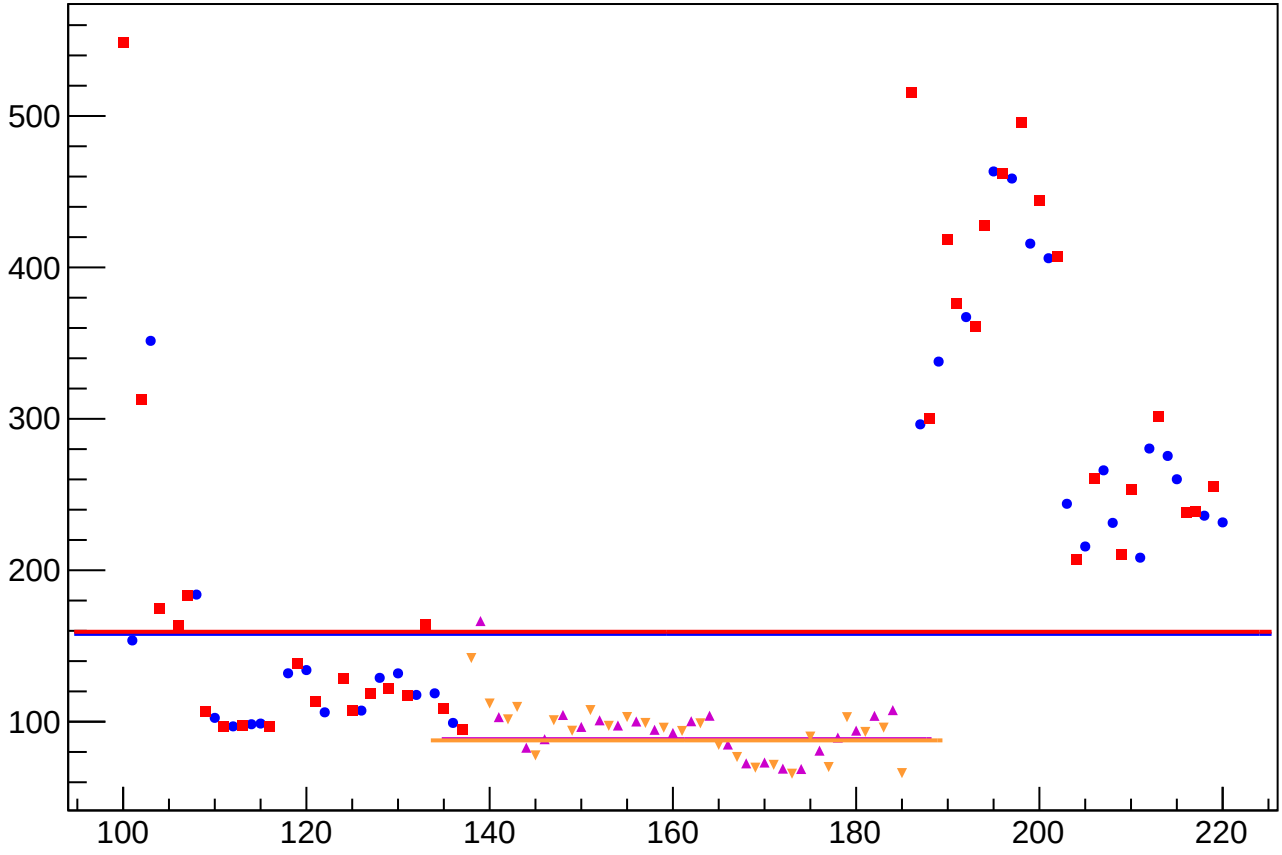
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 29.643+/-18.097 χ^2/NDF: 90.6/57

All: -11.903+/-12.992 χ^2/NDF: 189.0/117

- sign -56.096+/-18.664 χ^2/NDF: 87.5/59

cor_asym_sam3_rms vs Slug



Right In: 157.987+/-0.028 χ^2/NDF: 8347398.1/32

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 159.379+/-0.028 χ^2/NDF: 9545994.2/36

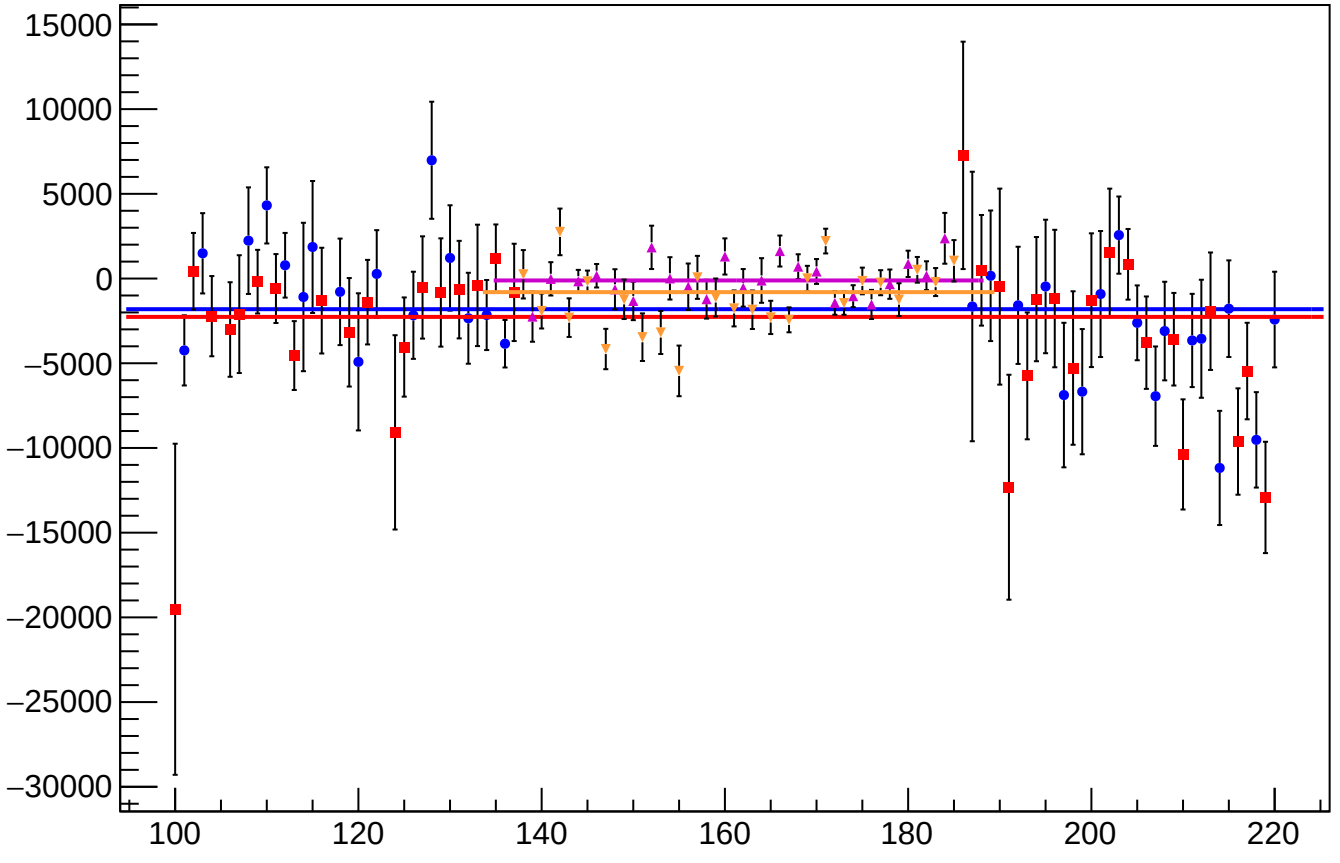
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 102.765+/-0.013 χ^2/NDF: 14656184.9/57

All: 103.460+/-0.009 χ^2/NDF: 30262620.3/11

- sign 104.198+/-0.013 χ^2/NDF: 15600361.0/59

asym_sam3_cor_correction_mean vs Slug



Right In: -1808.488+/-478.051 χ^2/NDF: 52.8/32

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -2263.820+/-487.918 χ^2/NDF: 48.1/36

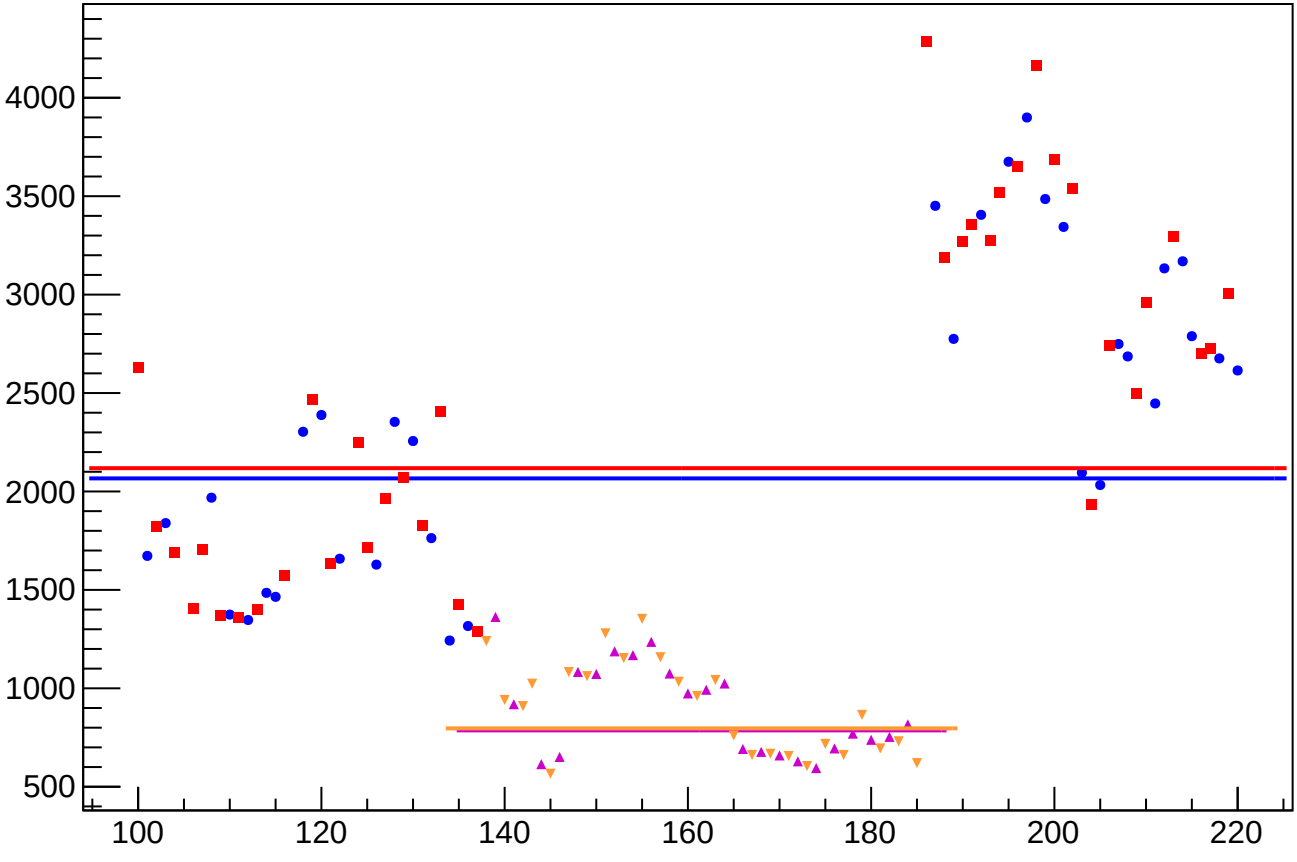
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -936.072+/-174.760 χ^2/NDF: 128.5/57

All: -670.108+/-124.451 χ^2/NDF: 225.3/117

- sign -396.456+/-177.268 χ^2/NDF: 92.1/59

asym_sam3_cor_correction_rms vs Slug



Right In: 2066.360+/-0.338 χ^2/NDF: 4316876.5/32

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 2118.221+/-0.345 χ^2/NDF: 4936650.7/36

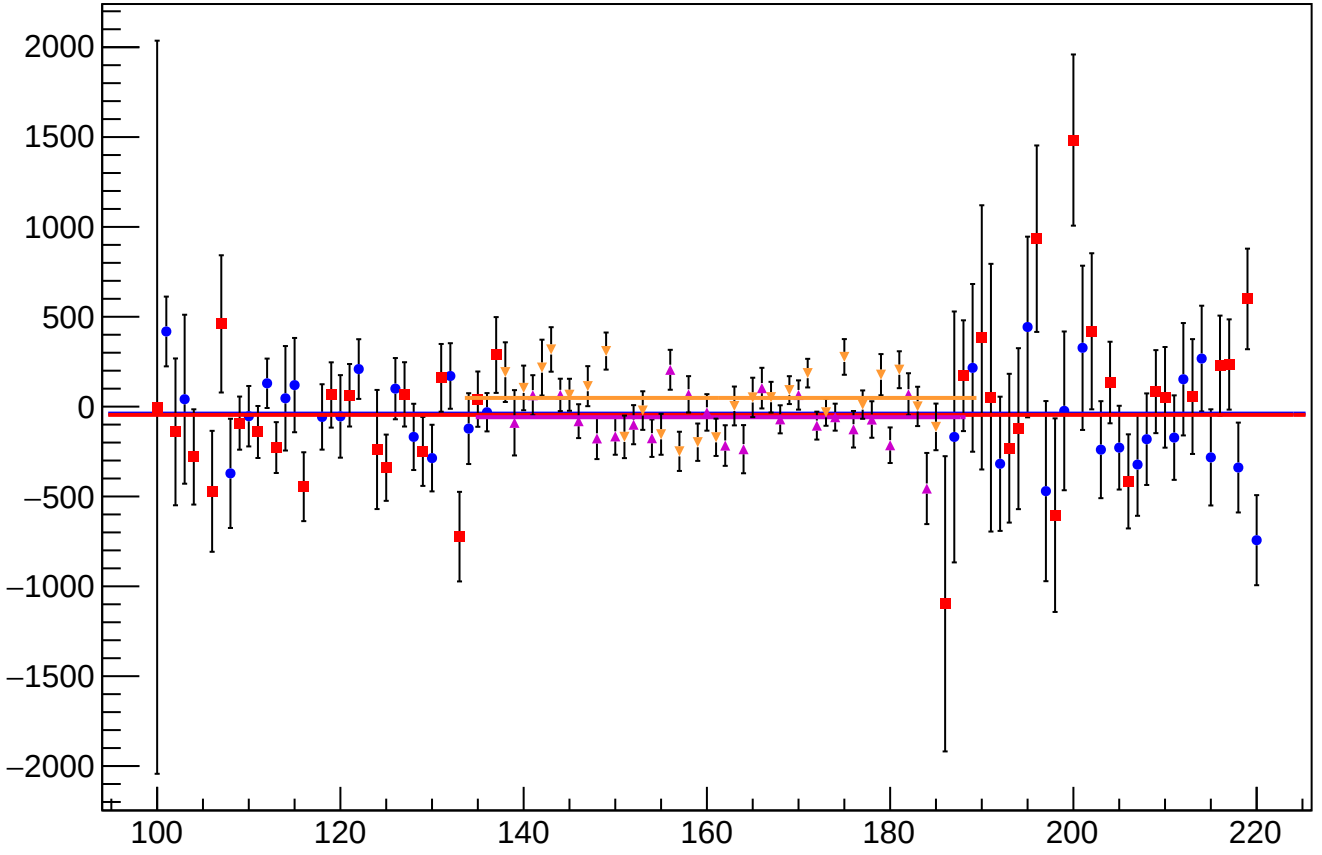
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 966.223+/-0.124 χ^2/NDF: 18960506.1/57

All: 964.211+/-0.088 χ^2/NDF: 38990016.7/11

- sign 962.141+/-0.125 χ^2/NDF: 20028972.8/59

eigen_cor_asym_sam3_mean vs Slug



Right In: -38.908+/-39.043 χ^2/NDF: 33.1/32

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -45.841+/-39.643 χ^2/NDF: 56.8/36

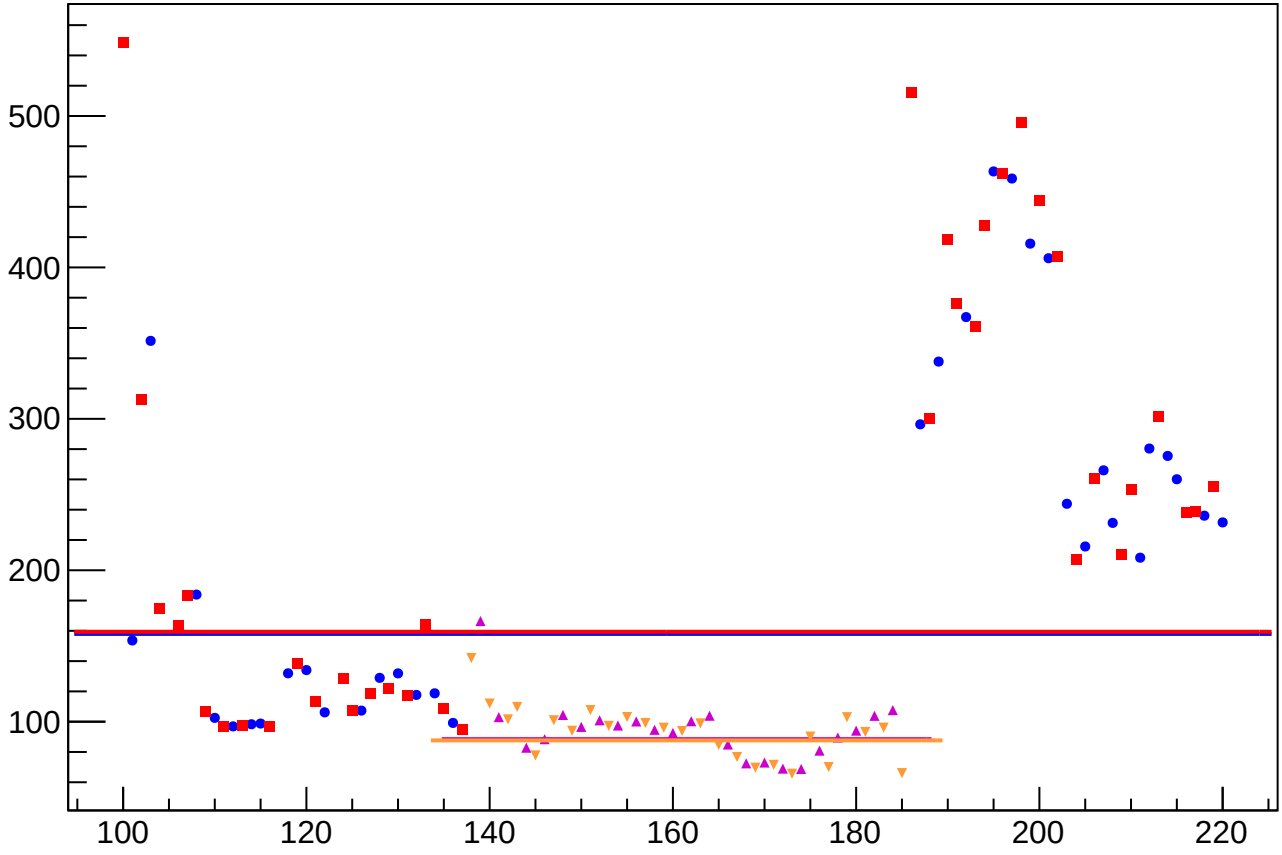
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 29.643+/-18.097 χ^2/NDF: 90.6/57

All: -11.903+/-12.992 χ^2/NDF: 189.0/117

- sign -56.096+/-18.664 χ^2/NDF: 87.5/59

eigen_cor_asym_sam3_rms vs Slug



Right In: 157.987+/-0.028 χ^2/NDF: 8347398.1/32

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

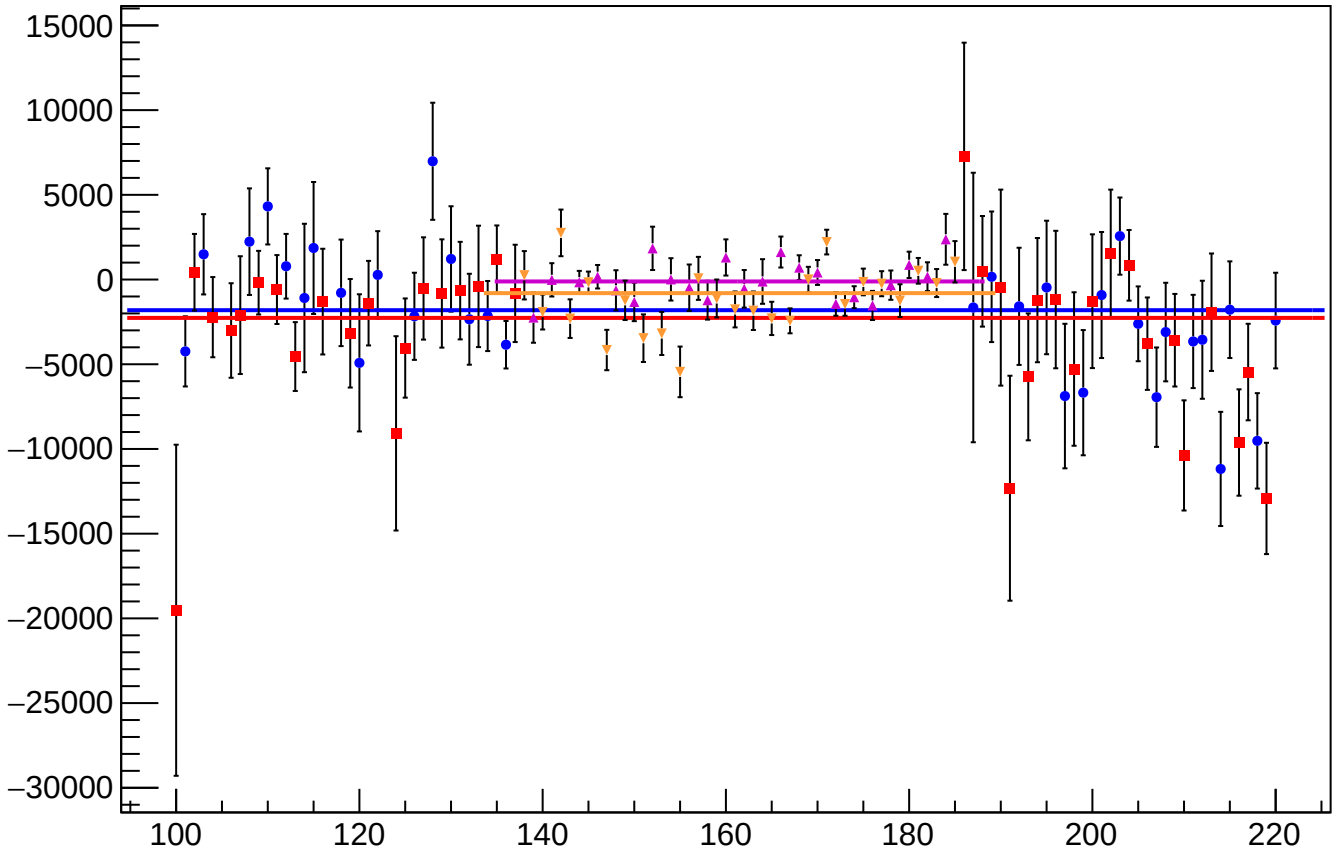
Right Out: 159.379+/-0.028 χ^2/NDF: 9545994.2/36

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 102.765+/-0.013 χ^2/NDF: 14656184.9/57

All: 103.460+/-0.009 χ^2/NDF: 30262620.3/11

- sign 104.198+/-0.013 χ^2/NDF: 15600361.0/59



Right In: -1808.488+/-478.051 χ^2/NDF: 52.8/32

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

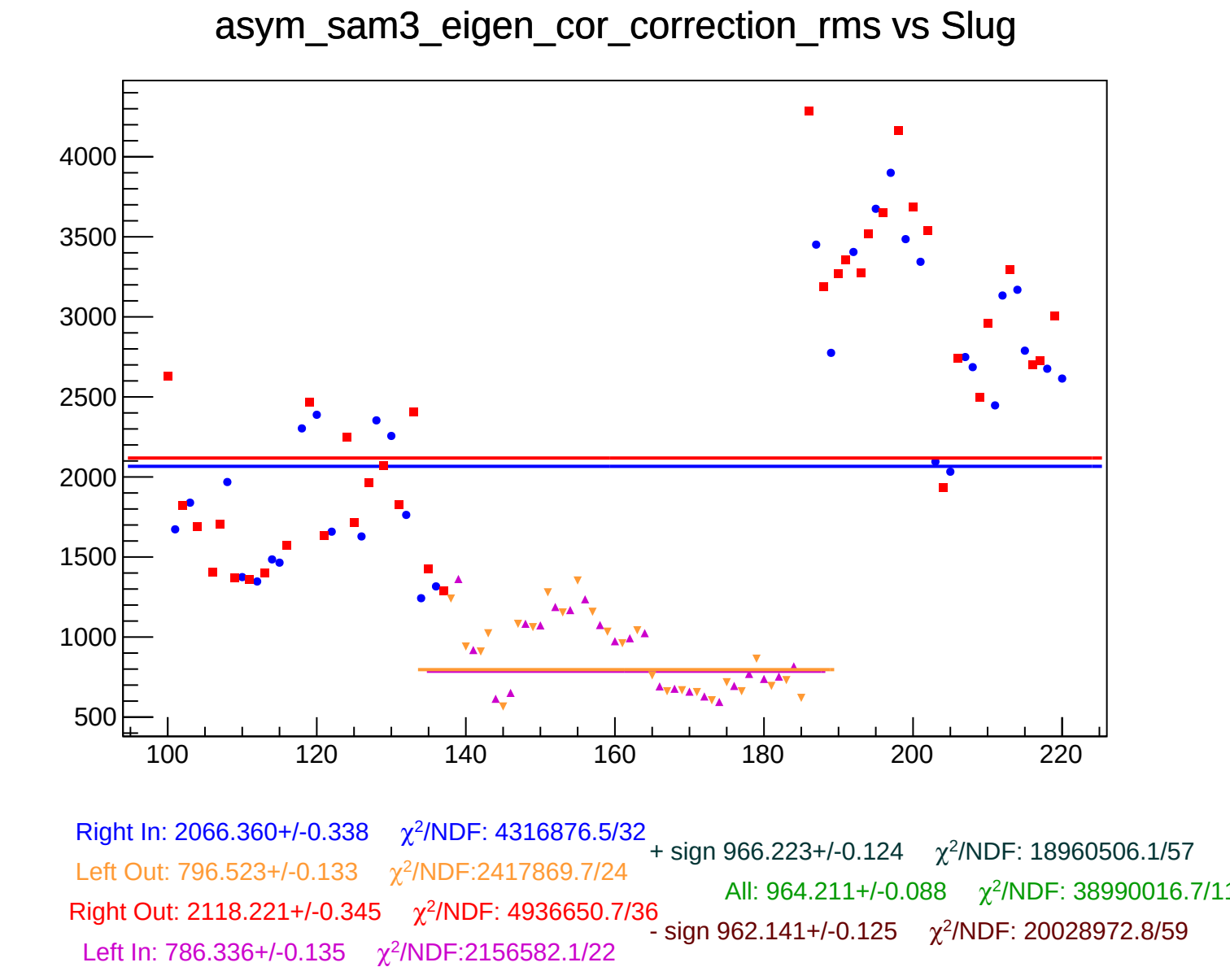
Right Out: -2263.820+/-487.918 χ^2/NDF: 48.1/36

Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

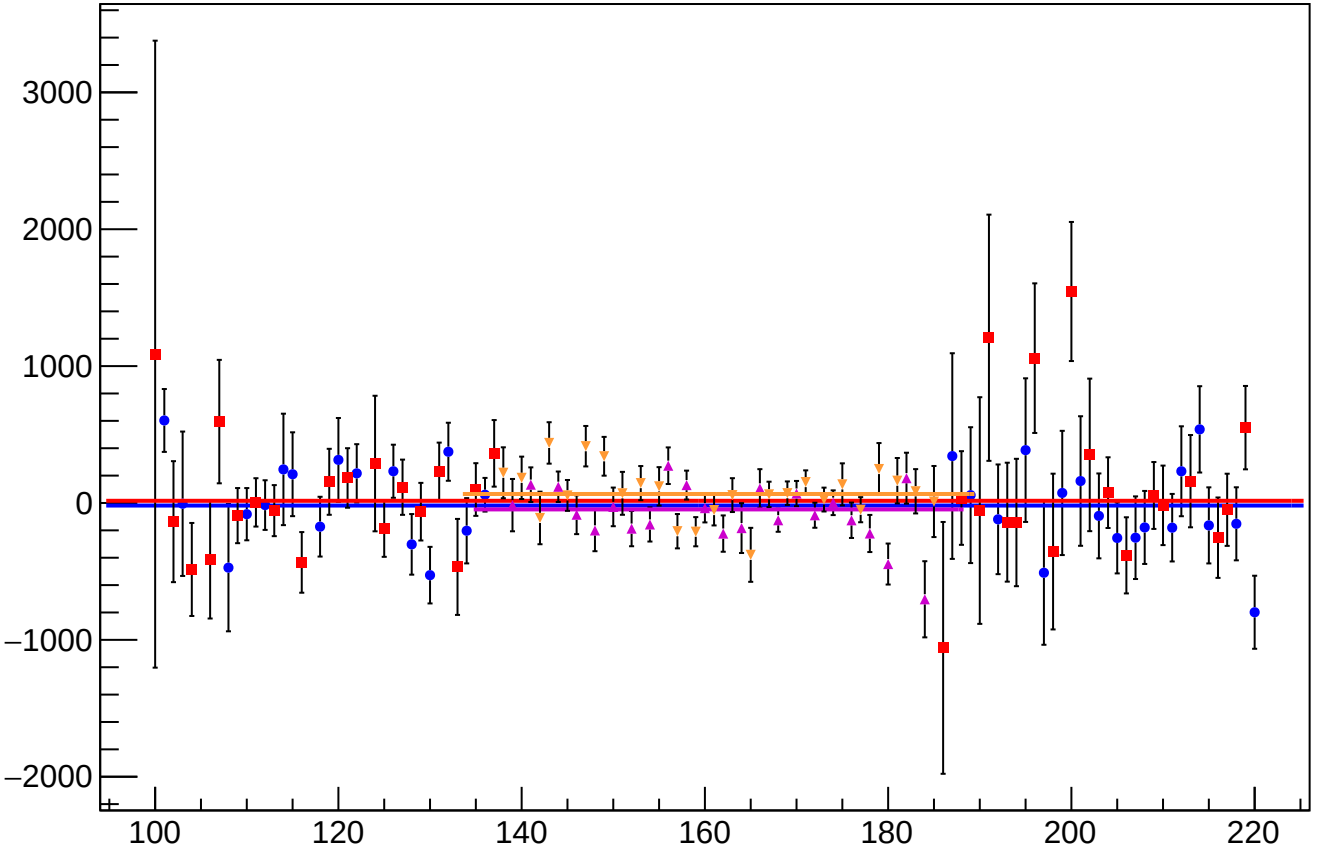
+ sign -936.072+/-174.760 χ^2/NDF: 128.5/57

All: -670.108+/-124.451 χ^2/NDF: 225.3/117

- sign -396.456+/-177.268 χ^2/NDF: 92.1/59


asym_sam3_eigen_cor_correction_rms vs Slug
4000
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 2066.360+/-0.338 χ²/NDF: 4316876.5/32
Left Out: 796.523+/-0.133 χ²/NDF:2417869.7/24
Right Out: 2118.221+/-0.345 χ²/NDF: 4936650.7/36
Left In: 786.336+/-0.135 χ²/NDF:2156582.1/22
+ sign 966.223+/-0.124 χ²/NDF: 18960506.1/57
All: 964.211+/-0.088 χ²/NDF: 38990016.7/11
- sign 962.141+/-0.125 χ²/NDF: 20028972.8/59

dit_asym_sam3_mean vs Slug



Right In: -18.733+/-45.294 χ^2/NDF: 43.1/32

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 15.945+/-46.840 χ^2/NDF: 40.6/36

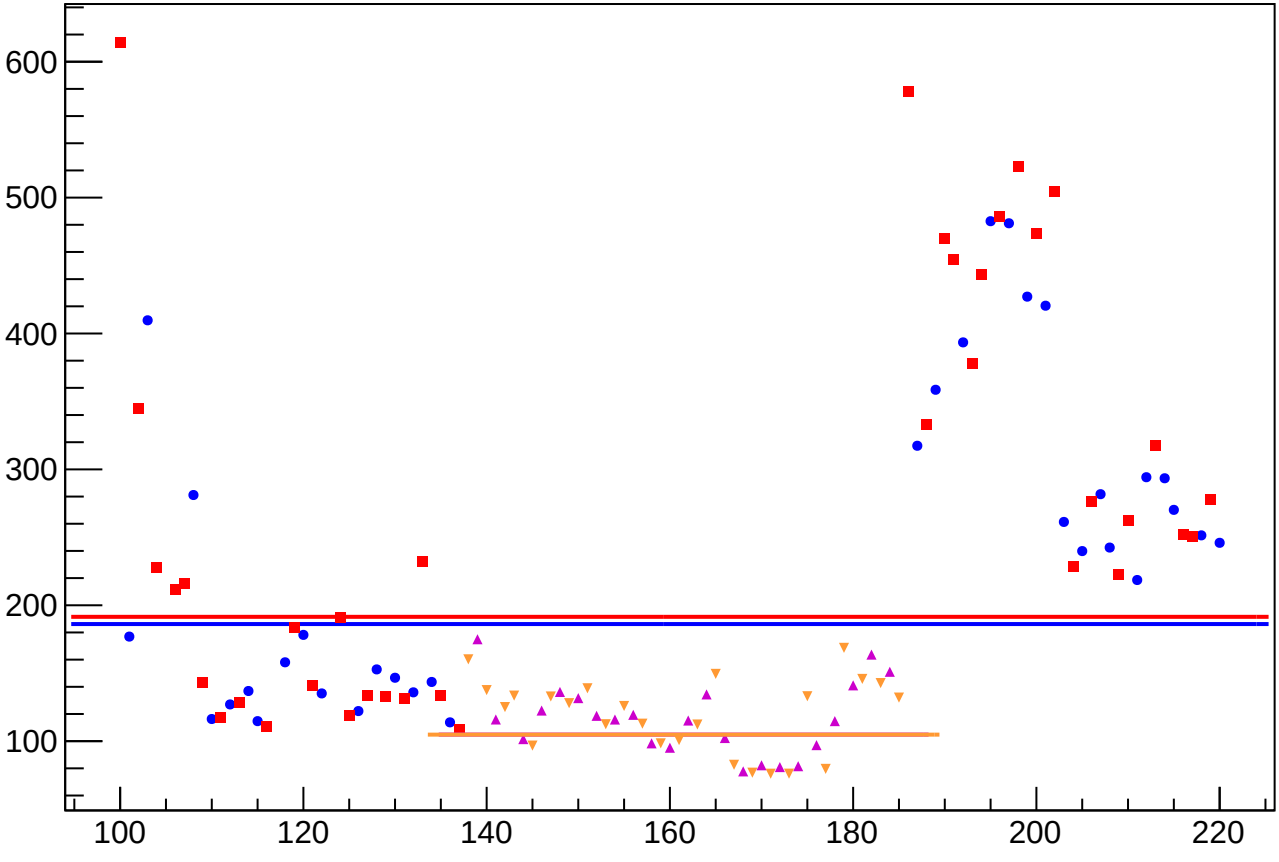
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

\+ sign 45.914+/-21.927 χ^2/NDF: 85.8/57

All: 7.783+/-15.713 χ^2/NDF: 172.7/117

\- sign -32.468+/-22.529 χ^2/NDF: 80.6/59

dit_asym_sam3_rms vs Slug



Right In: 186.181+/-0.032 χ^2/NDF: 6955142.6/32

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 191.501+/-0.033 χ^2/NDF: 8141502.5/36

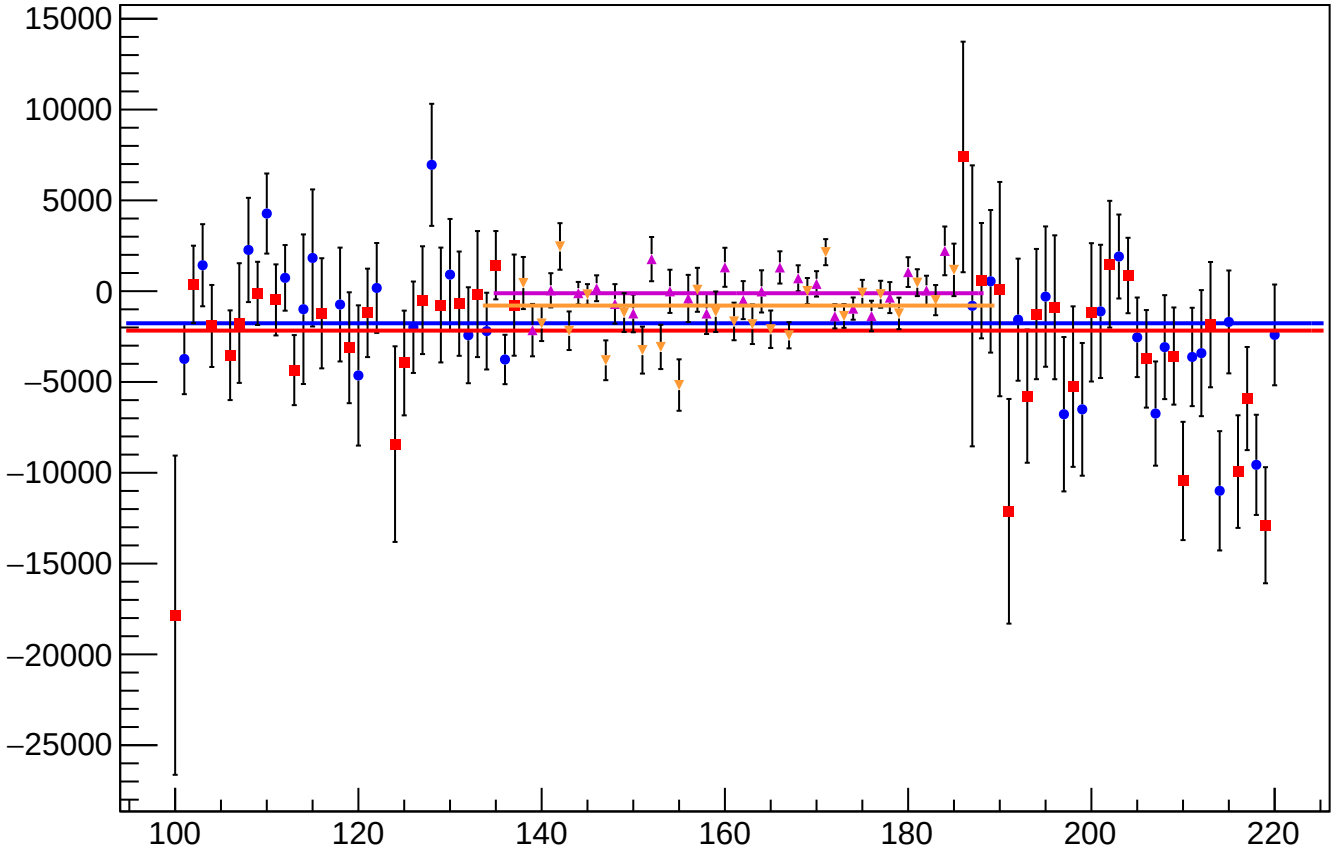
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 123.880+/-0.016 χ^2/NDF: 14140085.4/57

All: 124.368+/-0.011 χ^2/NDF: 29161170.6/11

- sign 124.884+/-0.016 χ^2/NDF: 15019047.7/59

asym_sam3_dit_correction_mean vs Slug



Right In: -1767.682+/-466.474 χ^2/NDF: 52.5/32

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -2171.305+/-470.088 χ^2/NDF: 52.5/36

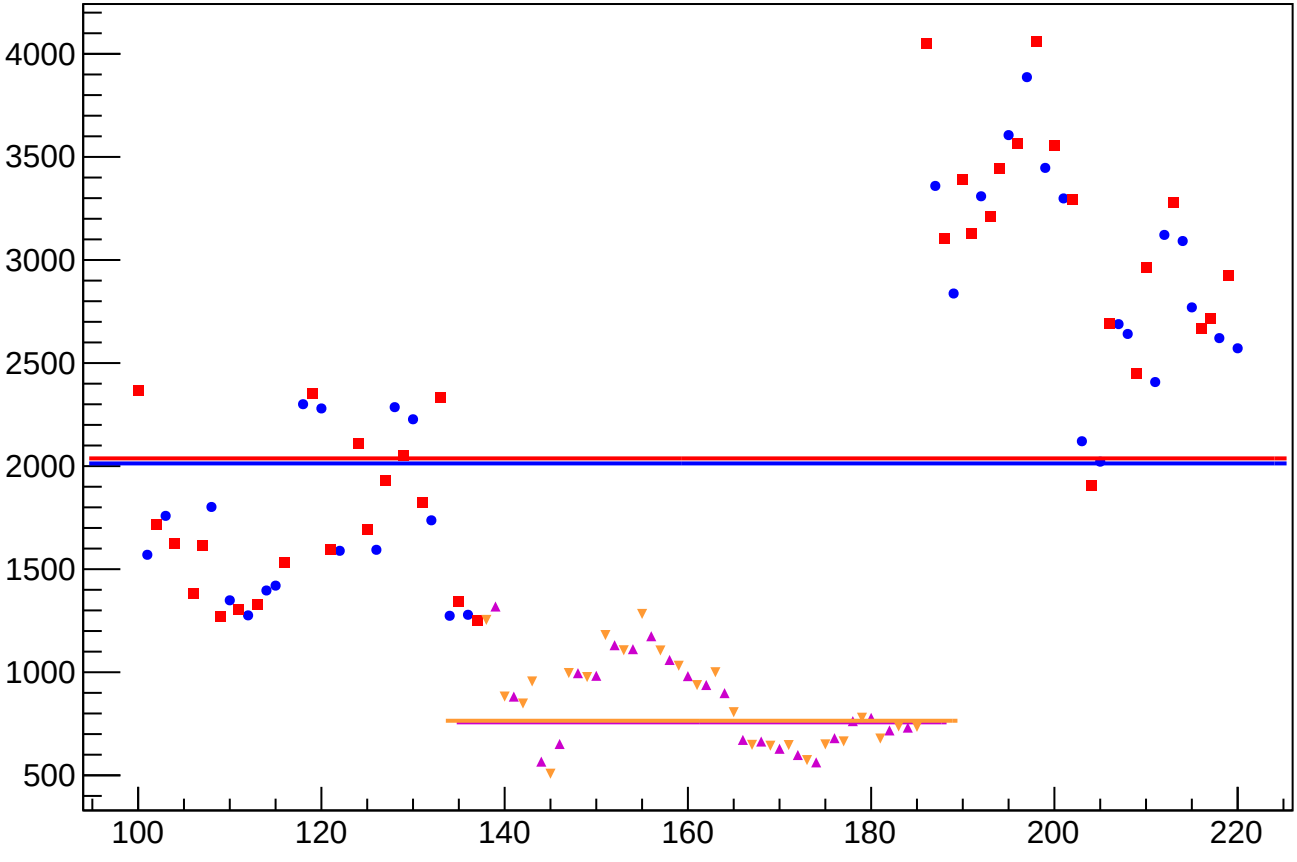
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -919.255+/-167.847 χ^2/NDF: 126.3/57

All: -656.425+/-119.660 χ^2/NDF: 226.7/117

- sign -384.791+/-170.635 χ^2/NDF: 95.4/59

asym_sam3_dit_correction_rms vs Slug



Right In: 2013.139+/-0.330 χ^2/NDF: 4485402.5/32

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 2037.484+/-0.332 χ^2/NDF: 5206312.4/36

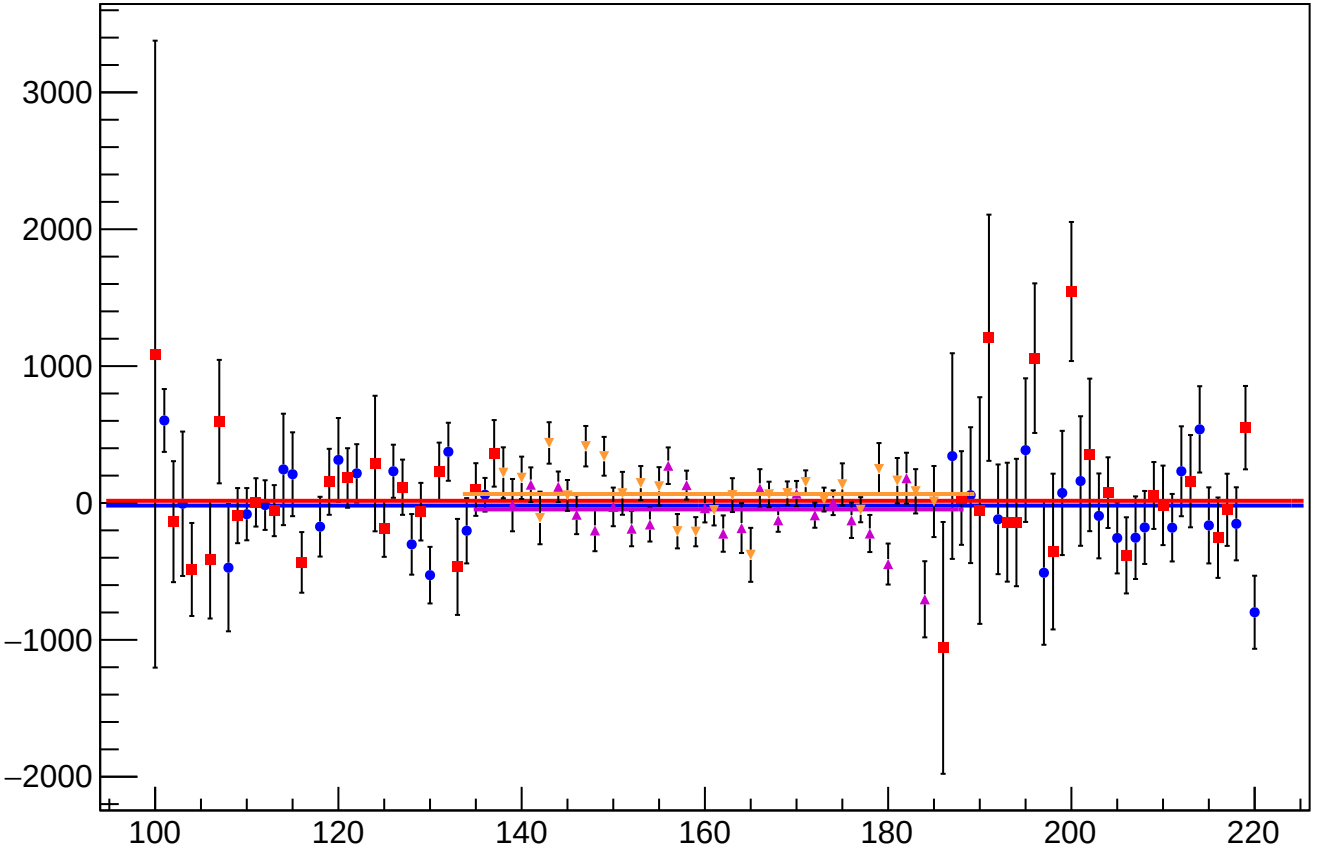
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 926.367+/-0.119 χ^2/NDF: 19381043.1/57

All: 926.015+/-0.085 χ^2/NDF: 39588415.7/11

- sign 925.652+/-0.121 χ^2/NDF: 20207354.7/59

eigen_dit_asym_sam3_mean vs Slug



Right In: -18.733+/-45.294 χ^2/NDF: 43.1/32

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 15.950+/-46.840 χ^2/NDF: 40.6/36

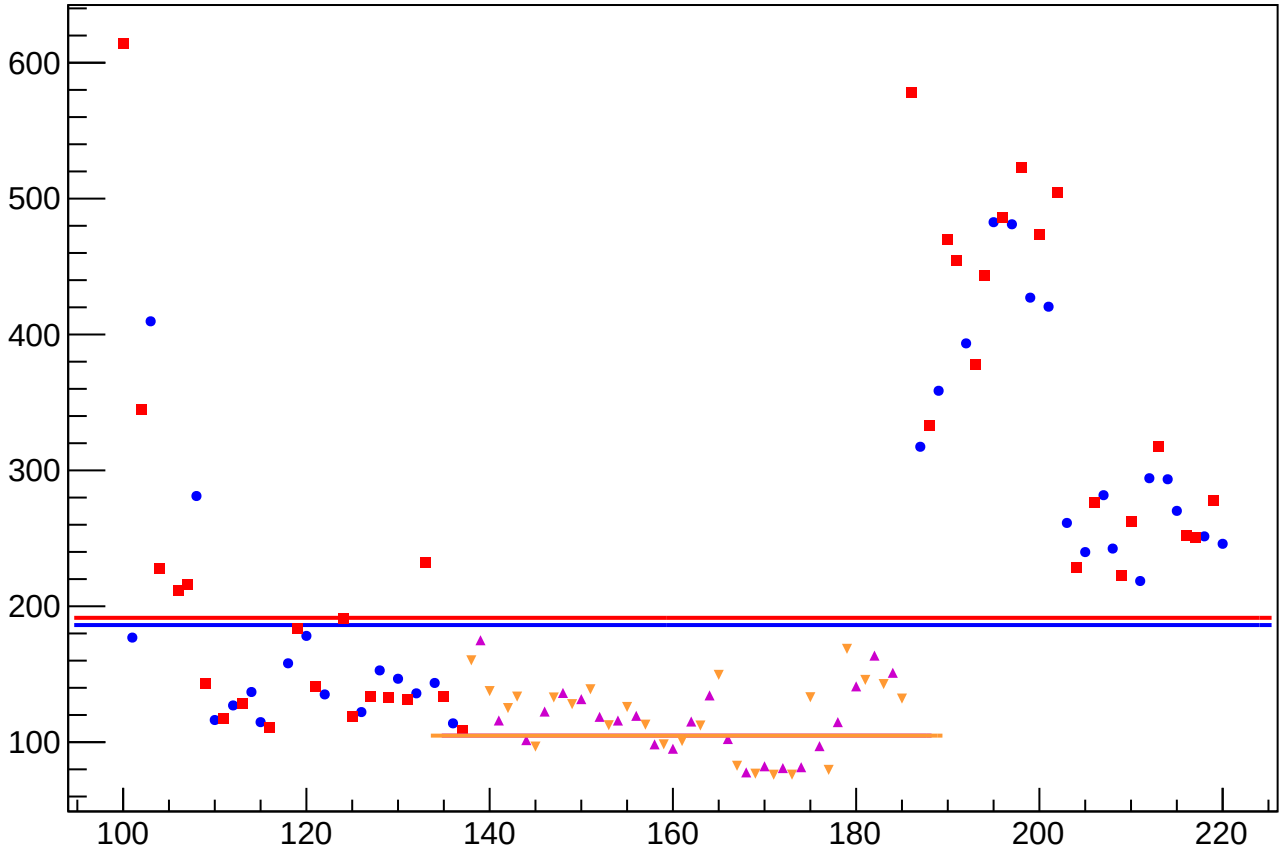
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 45.914+/-21.927 χ^2/NDF: 85.8/57

All: 7.784+/-15.713 χ^2/NDF: 172.7/117

- sign -32.467+/-22.529 χ^2/NDF: 80.6/59

eigen_dit_asym_sam3_rms vs Slug



Right In: 186.181+/-0.032 χ^2/NDF: 6955124.0/32

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 191.502+/-0.033 χ^2/NDF: 8141473.1/36

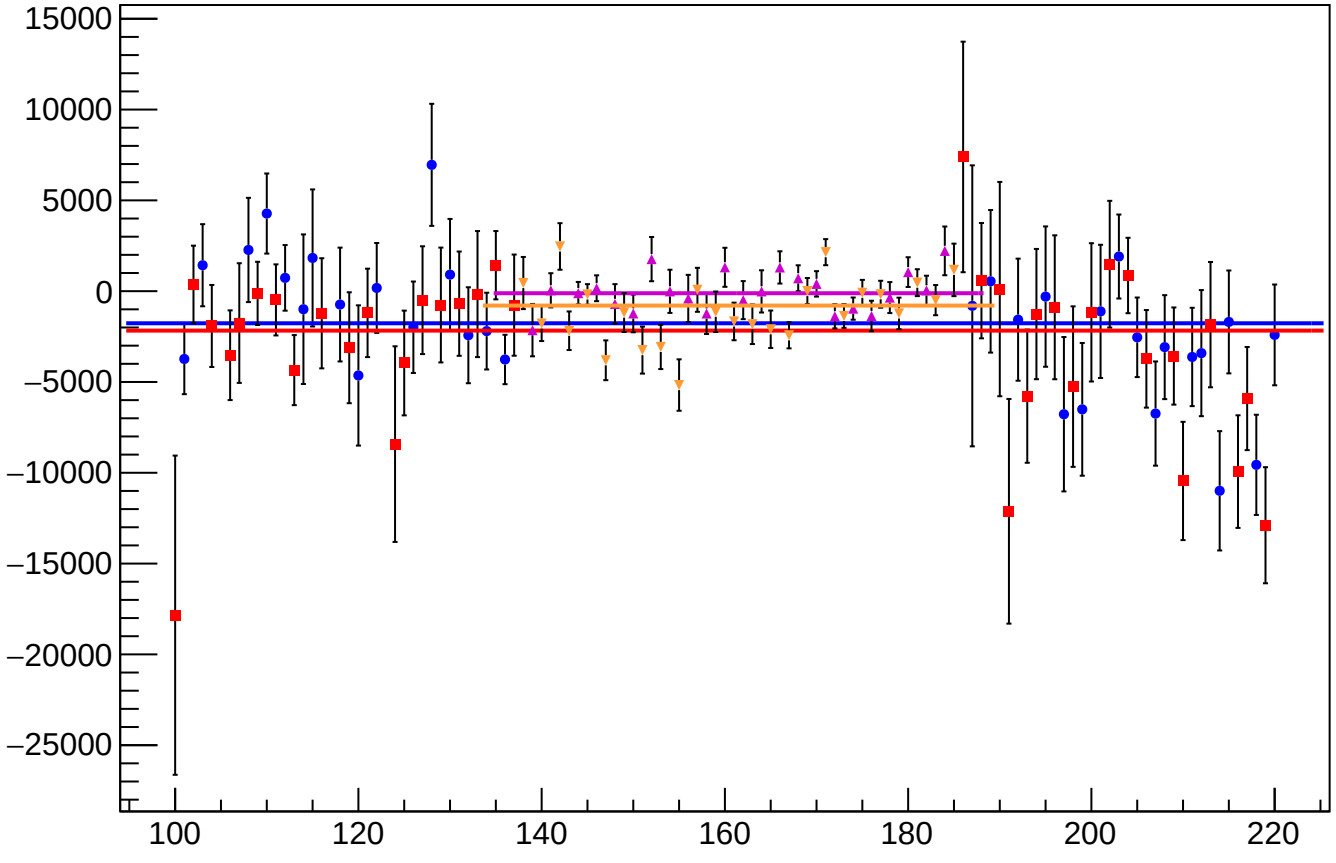
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 123.881+/-0.016 χ^2/NDF: 14140065.0/57

All: 124.369+/-0.011 χ^2/NDF: 29161130.2/11

- sign 124.884+/-0.016 χ^2/NDF: 15019027.6/59

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -1767.679+/-466.474 χ^2/NDF: 52.5/32

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

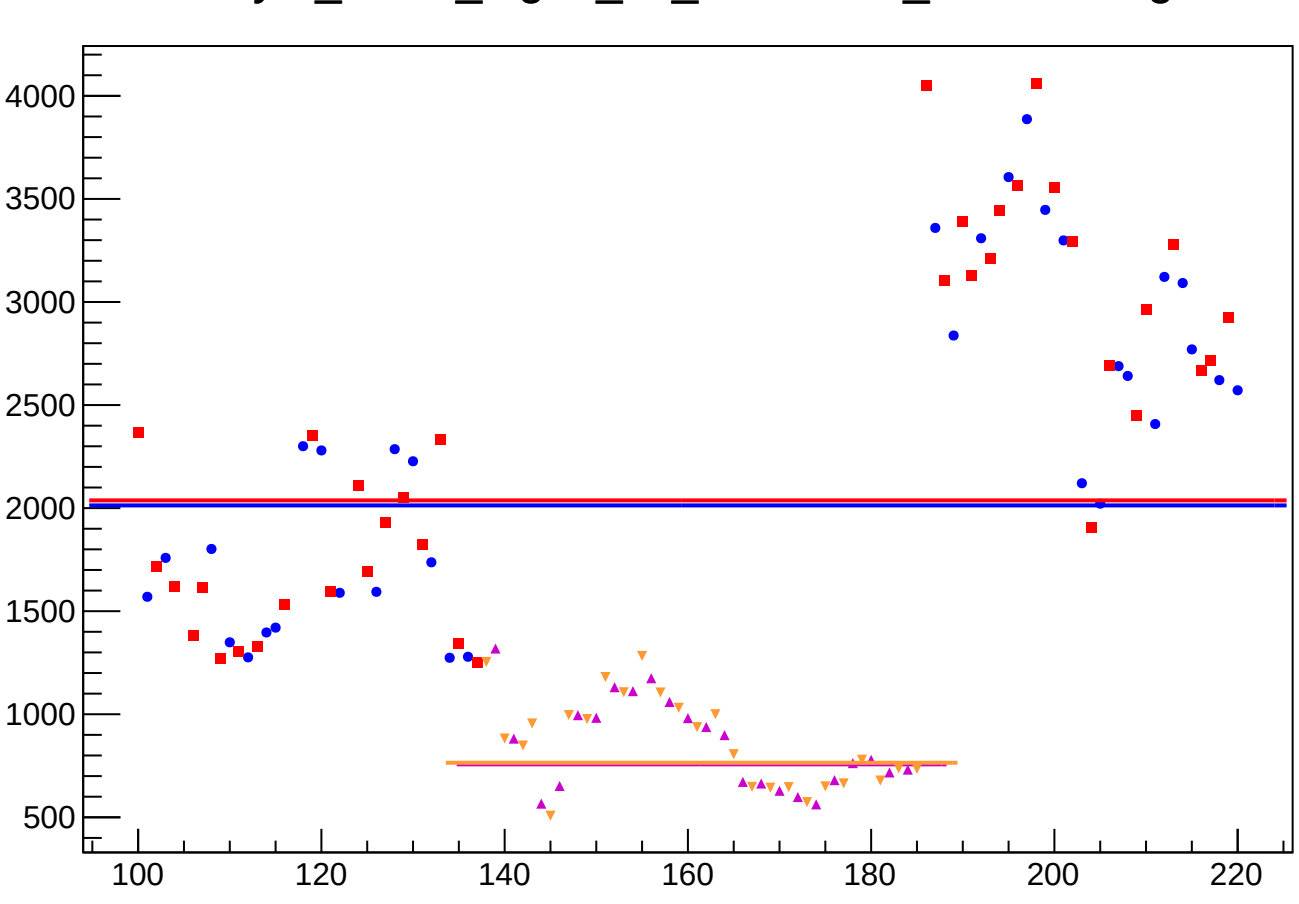
Right Out: -2171.302+/-470.087 χ^2/NDF: 52.5/36

Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -919.255+/-167.847 χ^2/NDF: 126.3/57

All: -656.425+/-119.659 χ^2/NDF: 226.7/117

- sign -384.790+/-170.635 χ^2/NDF: 95.4/59



Right In: 2013.138+/-0.330 χ^2/NDF: 4485403.2/32

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 2037.481+/-0.332 χ^2/NDF: 5206315.8/36

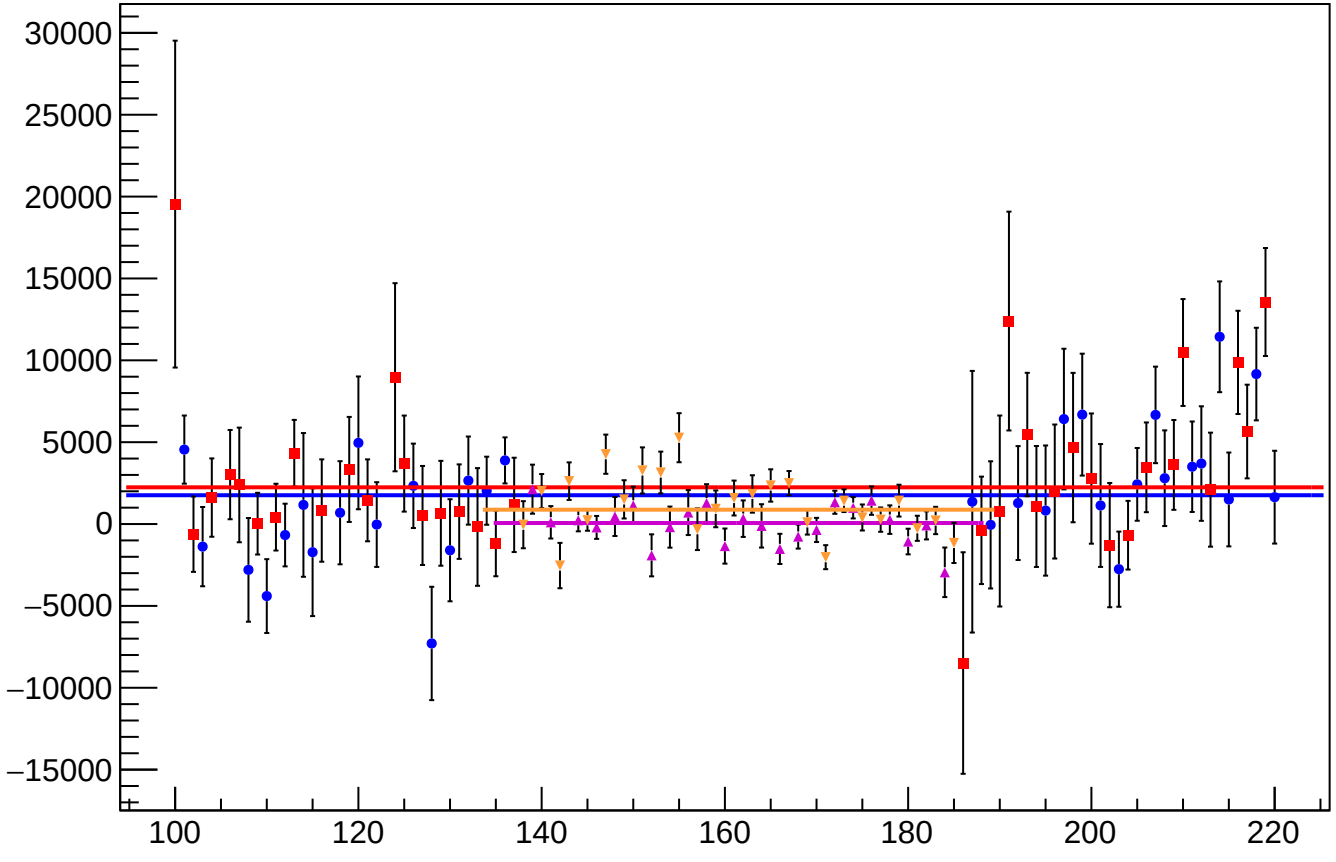
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 926.366+/-0.119 χ^2/NDF: 19381036.5/57

All: 926.014+/-0.085 χ^2/NDF: 39588400.6/11

- sign 925.651+/-0.121 χ^2/NDF: 20207346.2/59

asym_sam3_mean vs Slug



Right In: 1759.427+/-480.407 χ^2/NDF: 53.0/32

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 2242.993+/-489.903 χ^2/NDF: 49.7/36

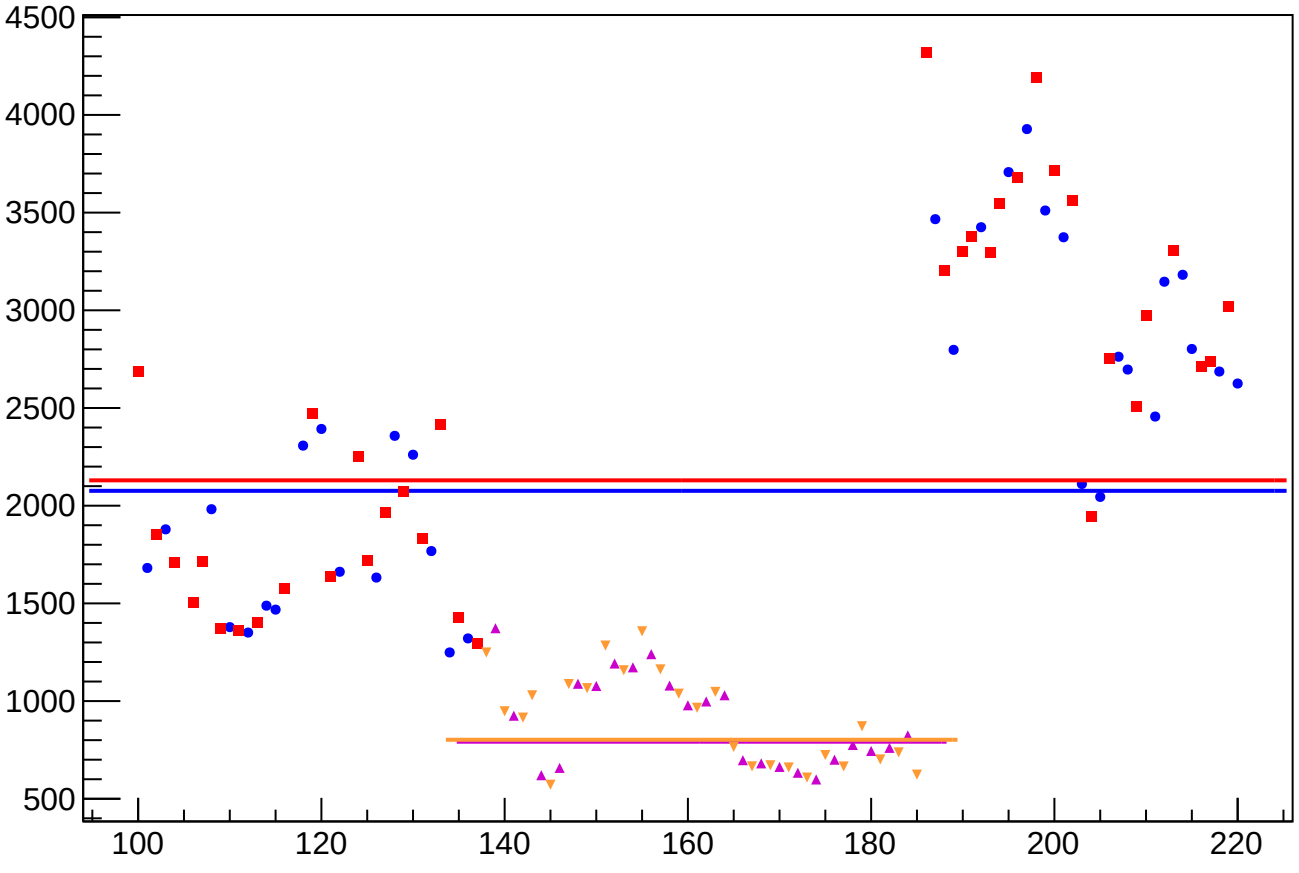
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 994.823+/-175.877 χ^2/NDF: 123.2/57

All: 678.046+/-125.259 χ^2/NDF: 223.7/117

- sign 351.986+/-178.436 χ^2/NDF: 93.9/59

asym_sam3_rms vs Slug



Right In: 2076.053+/-0.340 χ^2/NDF: 4333995.3/32

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

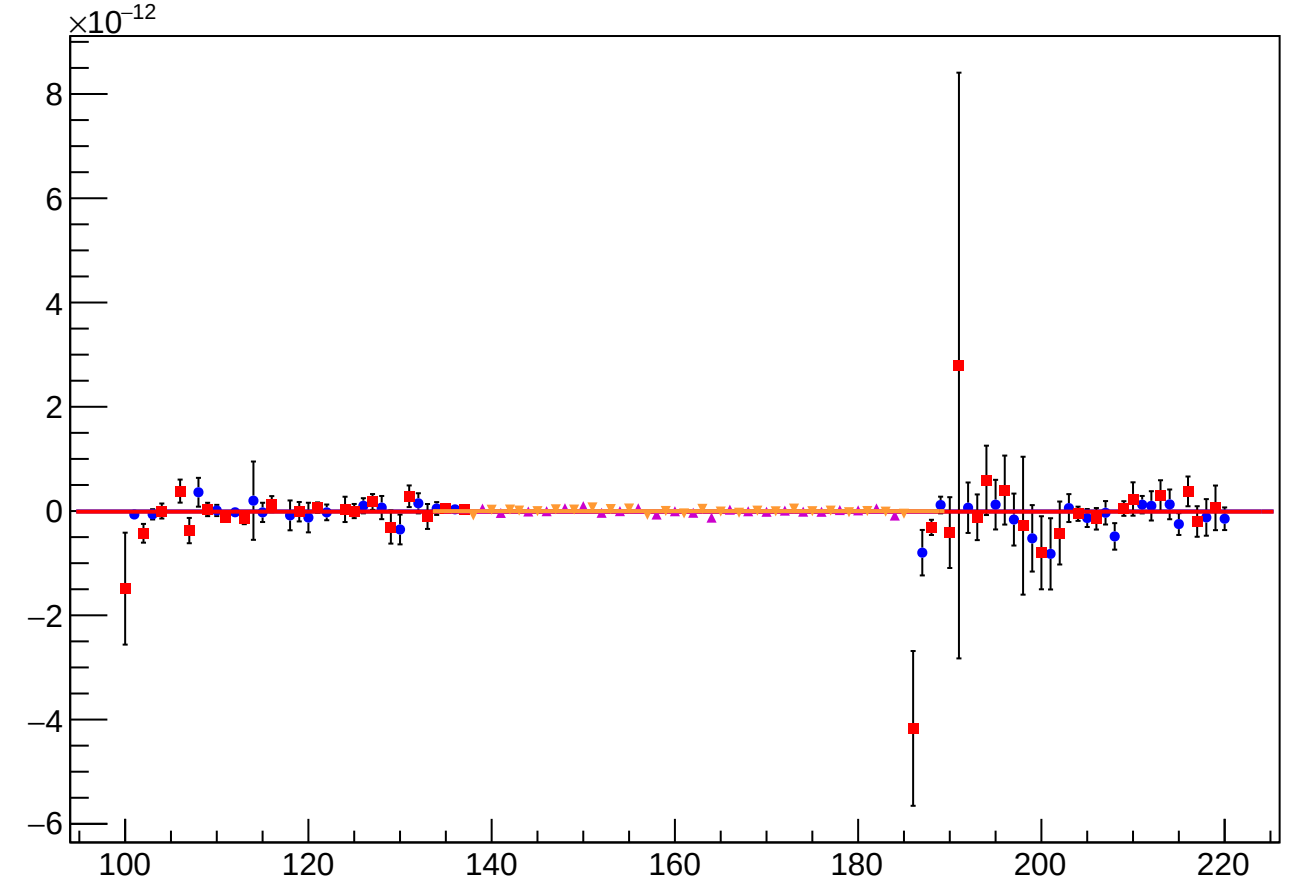
Right Out: 2129.728+/-0.346 χ^2/NDF: 4932205.3/36

Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 972.773+/-0.124 χ^2/NDF: 18910916.4/57

All: 971.168+/-0.089 χ^2/NDF: 38911900.4/11

- sign 969.516+/-0.126 χ^2/NDF: 20000646.2/59



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:24.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 44.0/36

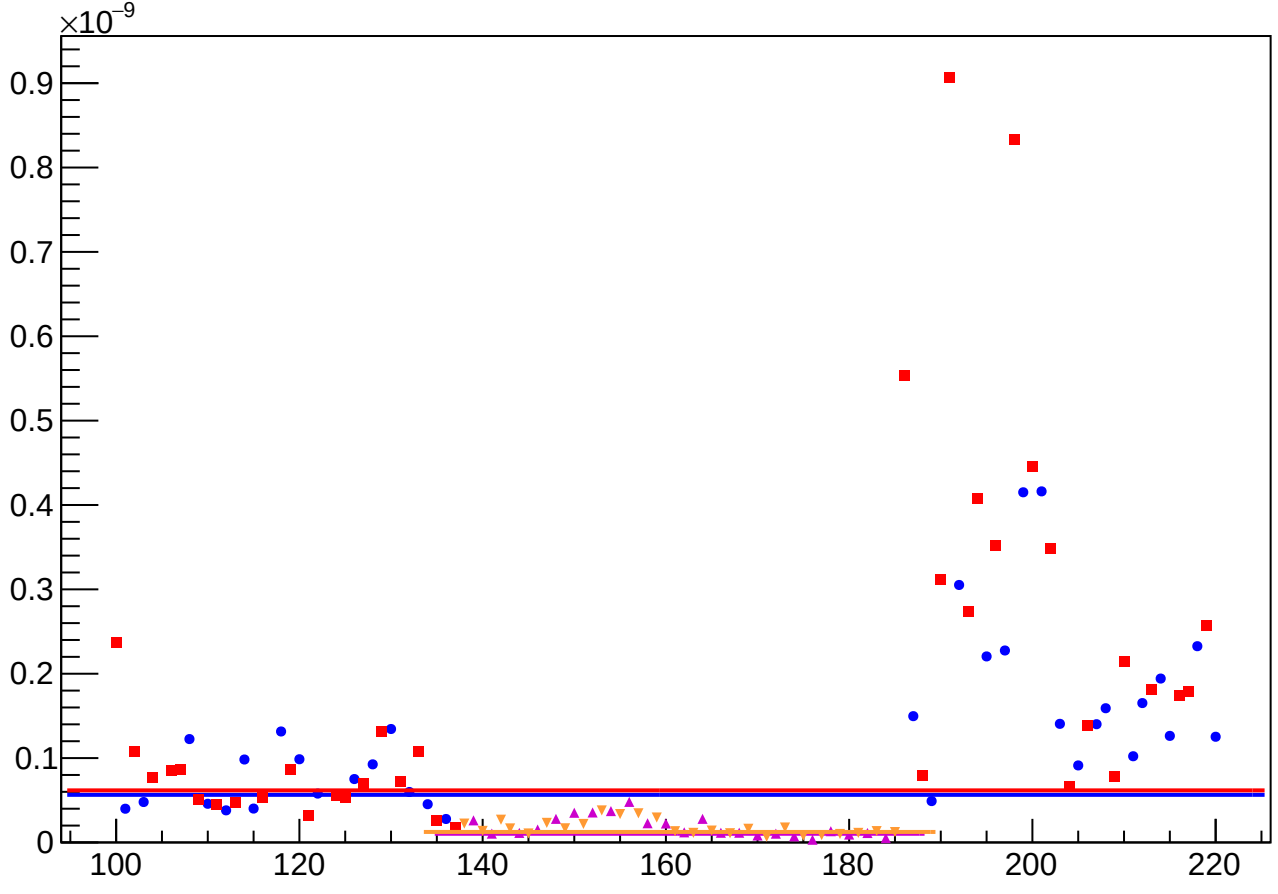
Left In: -0.000+/-0.000 χ^2/NDF:31.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.2/57

All: -0.000+/-0.000 χ^2/NDF: 120.2/117

- sign -0.000+/-0.000 χ^2/NDF: 75.6/59

asym_sam3_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6702462.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7698687.9/36

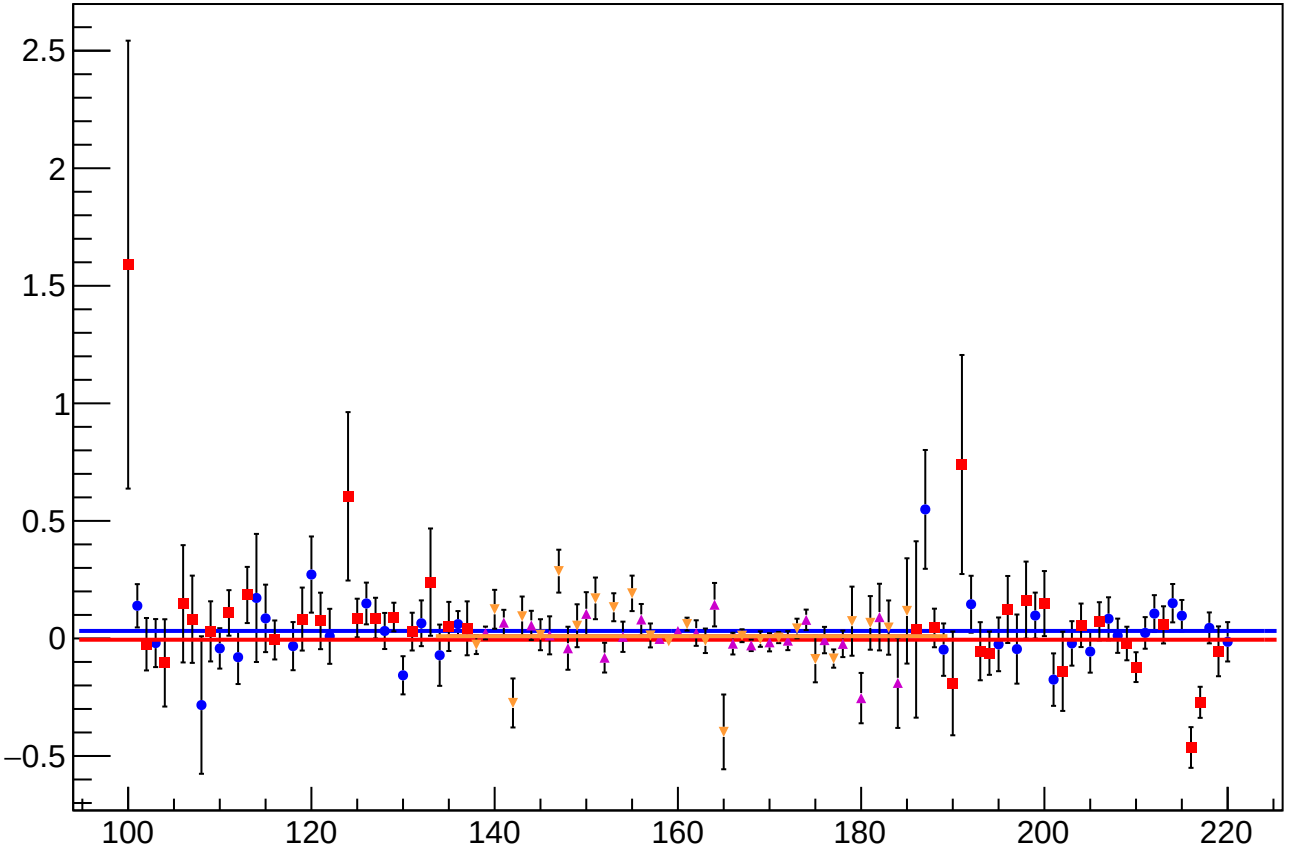
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 14836017.3/57

All: 0.000+/-0.000 χ^2/NDF: 33277380.3/117

- sign 0.000+/-0.000 χ^2/NDF: 18199731.3/59

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.032+/-0.016 χ^2/NDF: 31.6/32

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.006+/-0.017 χ^2/NDF: 76.1/36

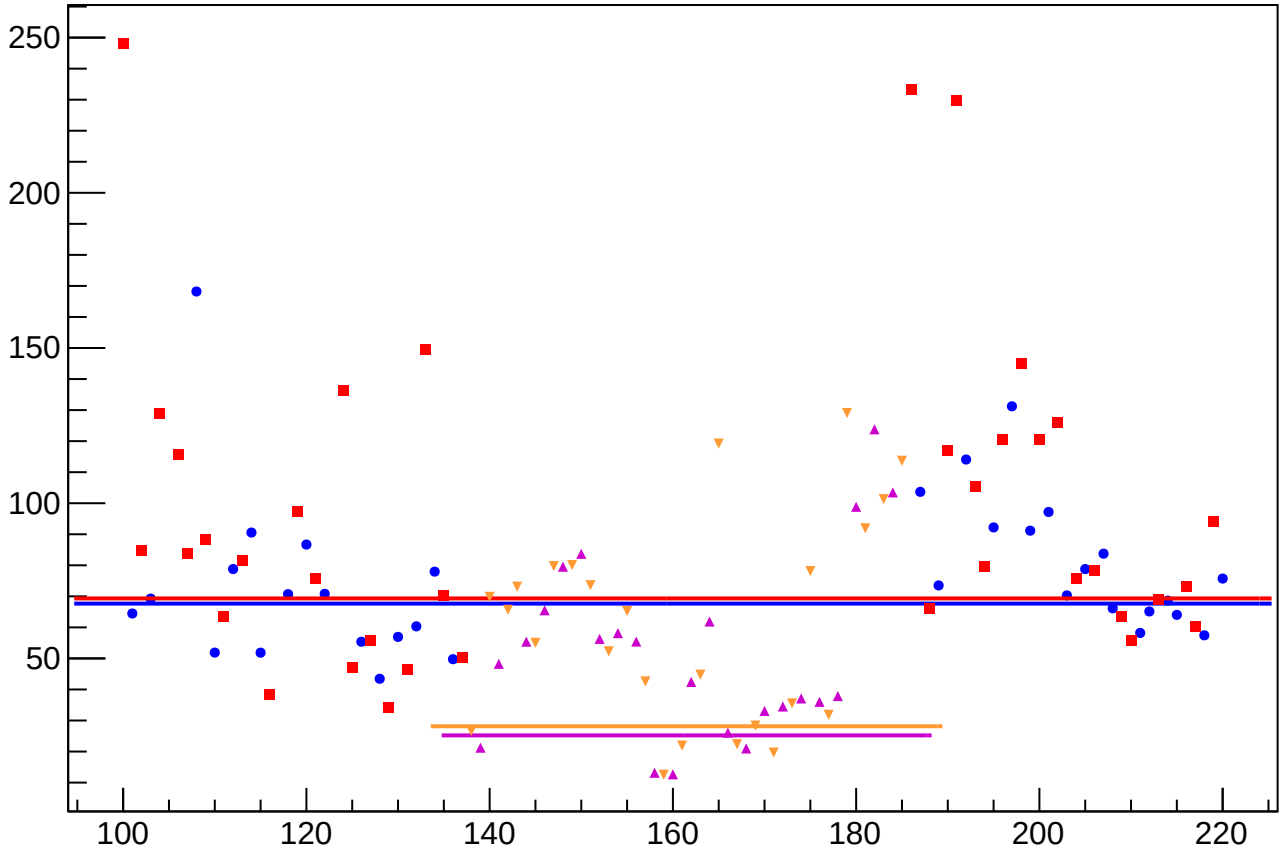
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.014+/-0.008 χ^2/NDF: 87.7/57

All: 0.010+/-0.005 χ^2/NDF: 190.1/117

- sign 0.007+/-0.007 χ^2/NDF: 101.9/59

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 67.660+/-0.011 χ^2/NDF: 2170083.8/32

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.330+/-0.012 χ^2/NDF: 4618790.9/36

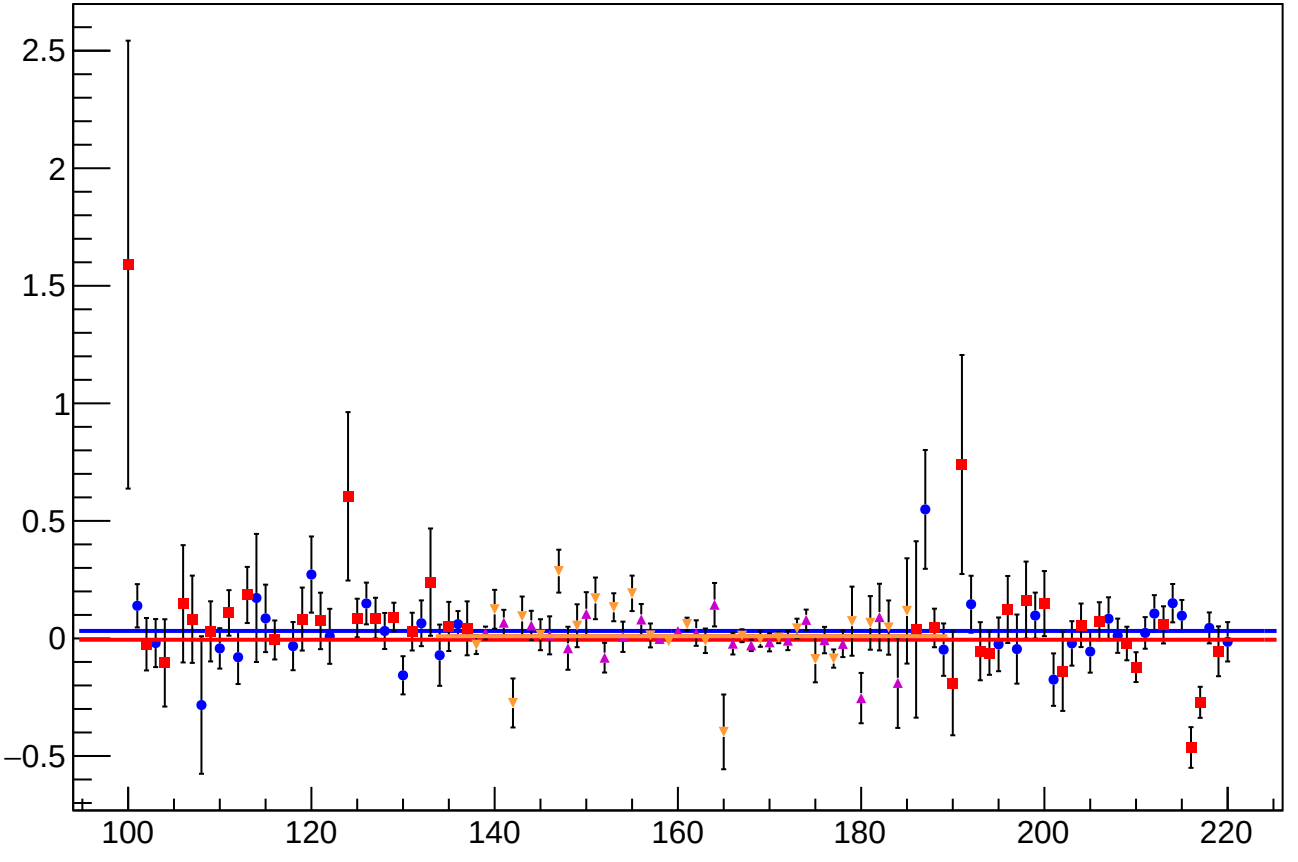
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 36.577+/-0.005 χ^2/NDF: 22547946.6/57

All: 34.723+/-0.004 χ^2/NDF: 48349840.5/117

- sign 33.022+/-0.005 χ^2/NDF: 25567731.7/59

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.032+/-0.016 χ^2/NDF: 31.6/32

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.006+/-0.017 χ^2/NDF: 76.1/36

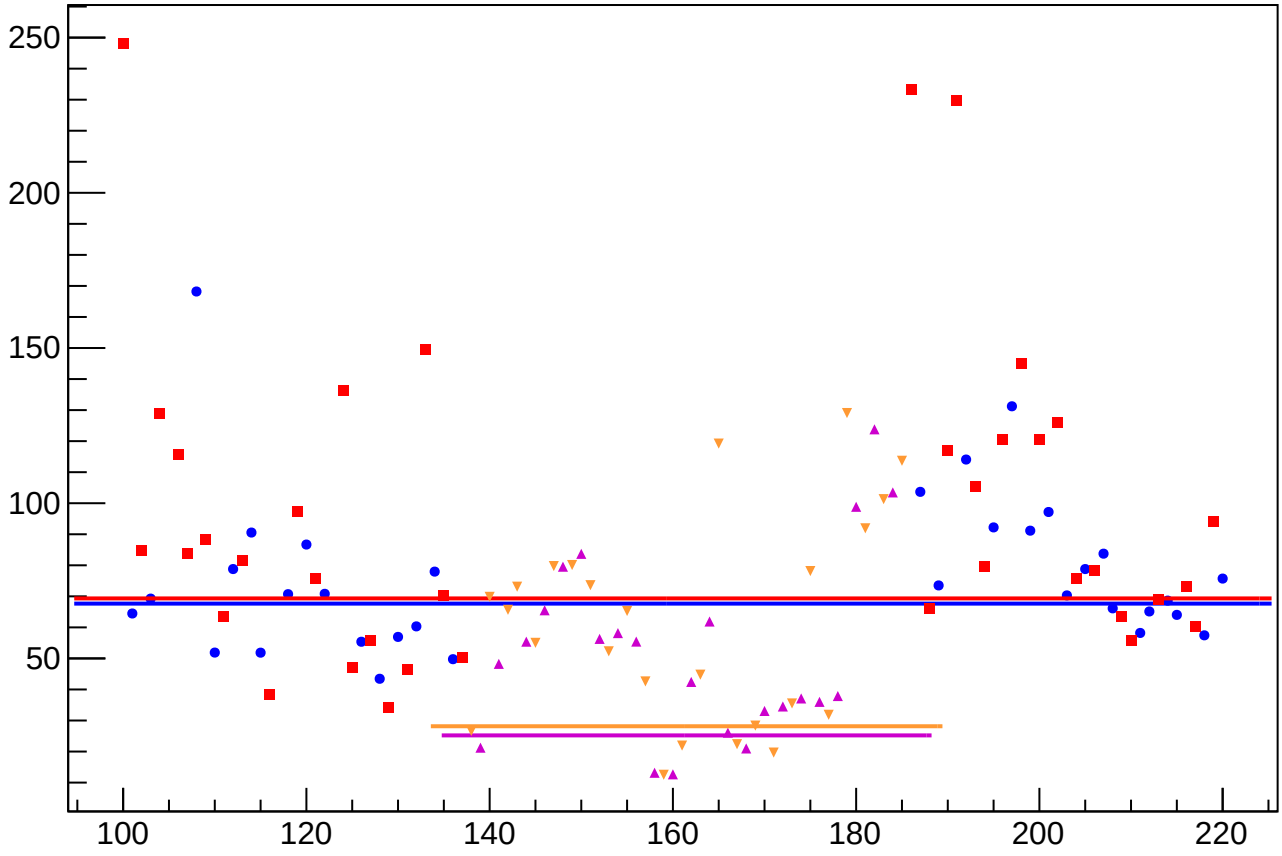
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.014+/-0.008 χ^2/NDF: 87.7/57

All: 0.010+/-0.005 χ^2/NDF: 190.1/117

- sign 0.007+/-0.007 χ^2/NDF: 101.9/59

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 67.660+/-0.011 χ^2/NDF: 2170083.8/32

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 69.330+/-0.012 χ^2/NDF: 4618790.9/36

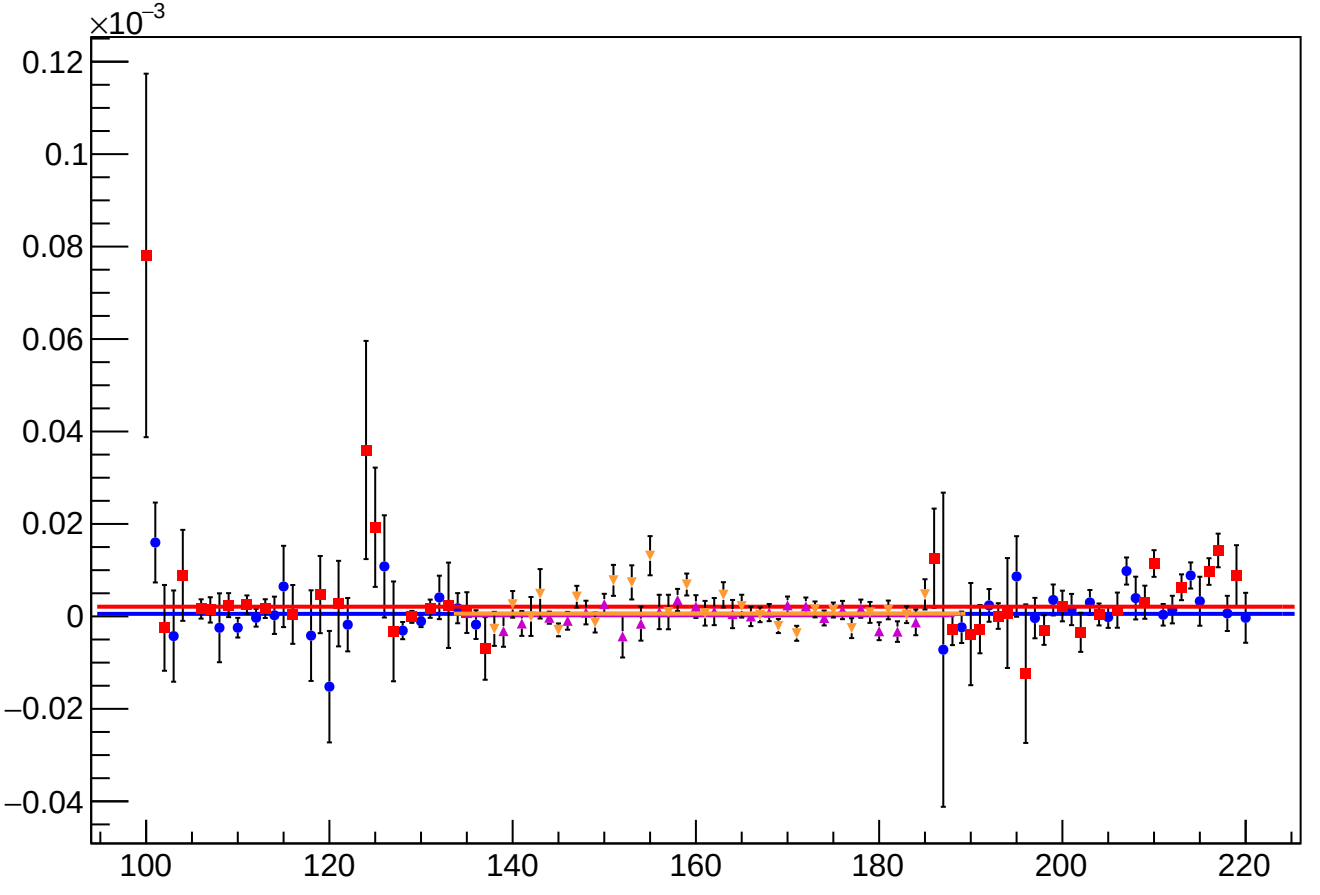
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 36.577+/-0.005 χ^2/NDF: 22547946.6/57

All: 34.723+/-0.004 χ^2/NDF: 48349840.5/117

- sign 33.022+/-0.005 χ^2/NDF: 25567731.7/59

asym_sam3_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 39.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 56.4/36

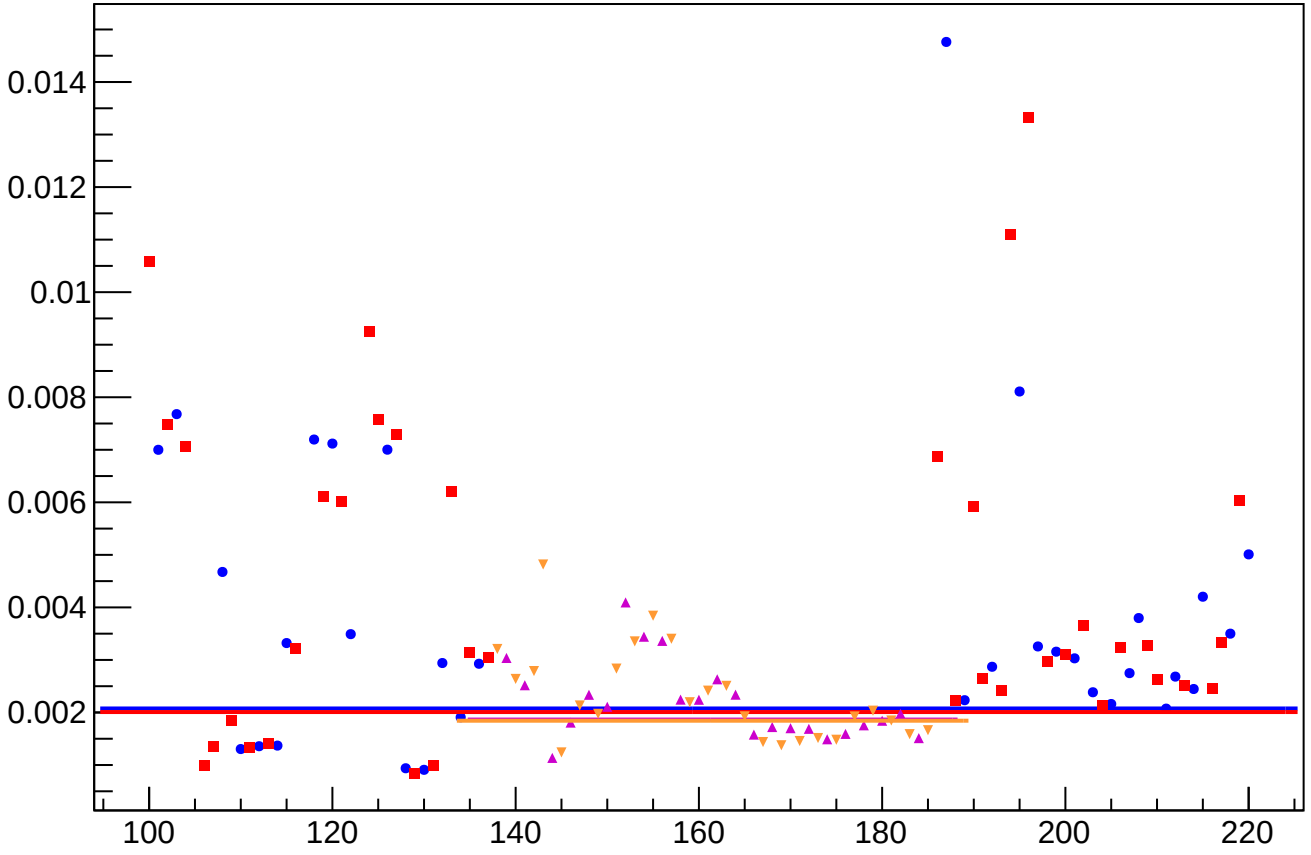
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 91.5/57

All: 0.000+/-0.000 χ^2/NDF: 172.0/117

- sign 0.000+/-0.000 χ^2/NDF: 79.7/59

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 9879663.6/32

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 12532377.1/36

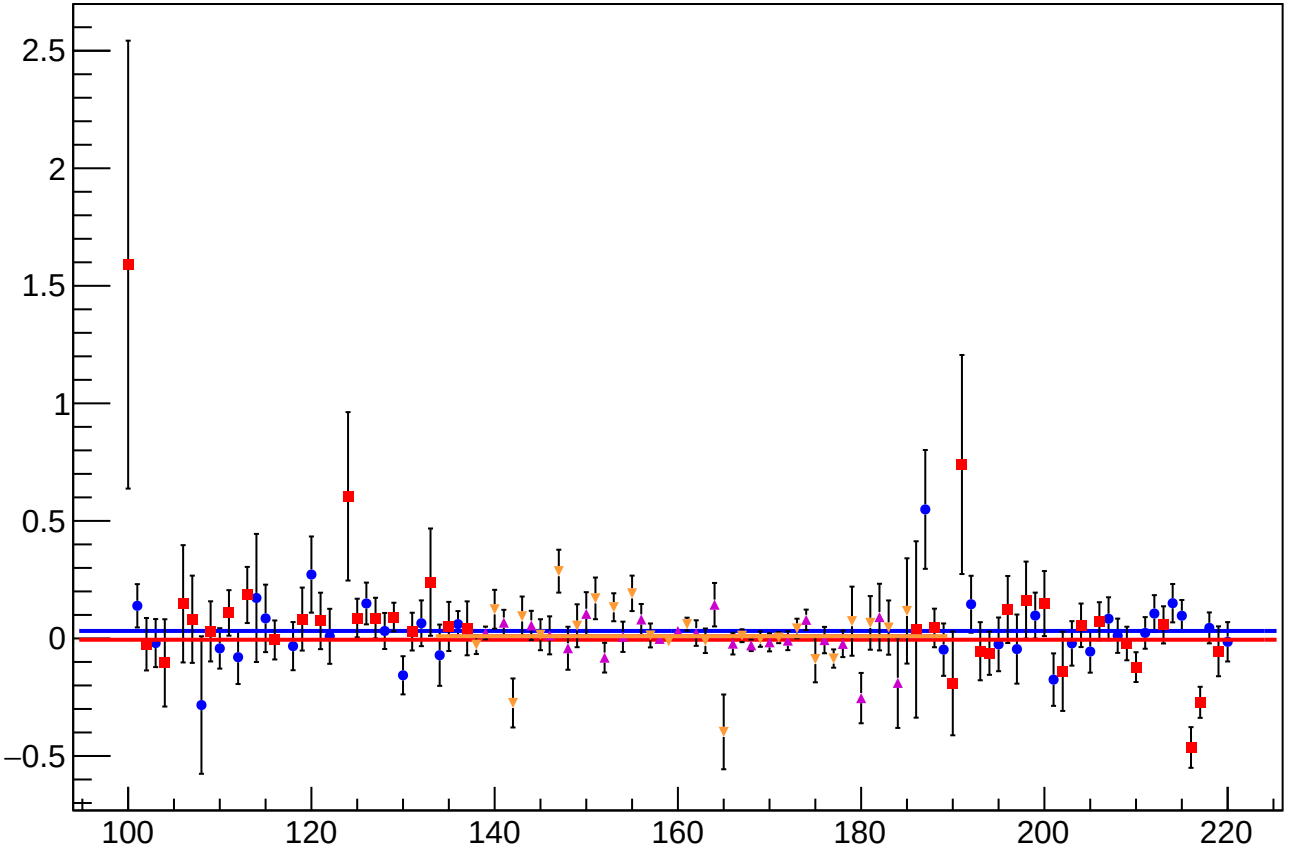
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 13879088.9/57

All: 0.002+/-0.000 χ^2/NDF: 29287472.2/117

- sign 0.002+/-0.000 χ^2/NDF: 15407481.2/59

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.032+/-0.016 χ^2/NDF: 31.6/32

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: -0.006+/-0.017 χ^2/NDF: 76.1/36

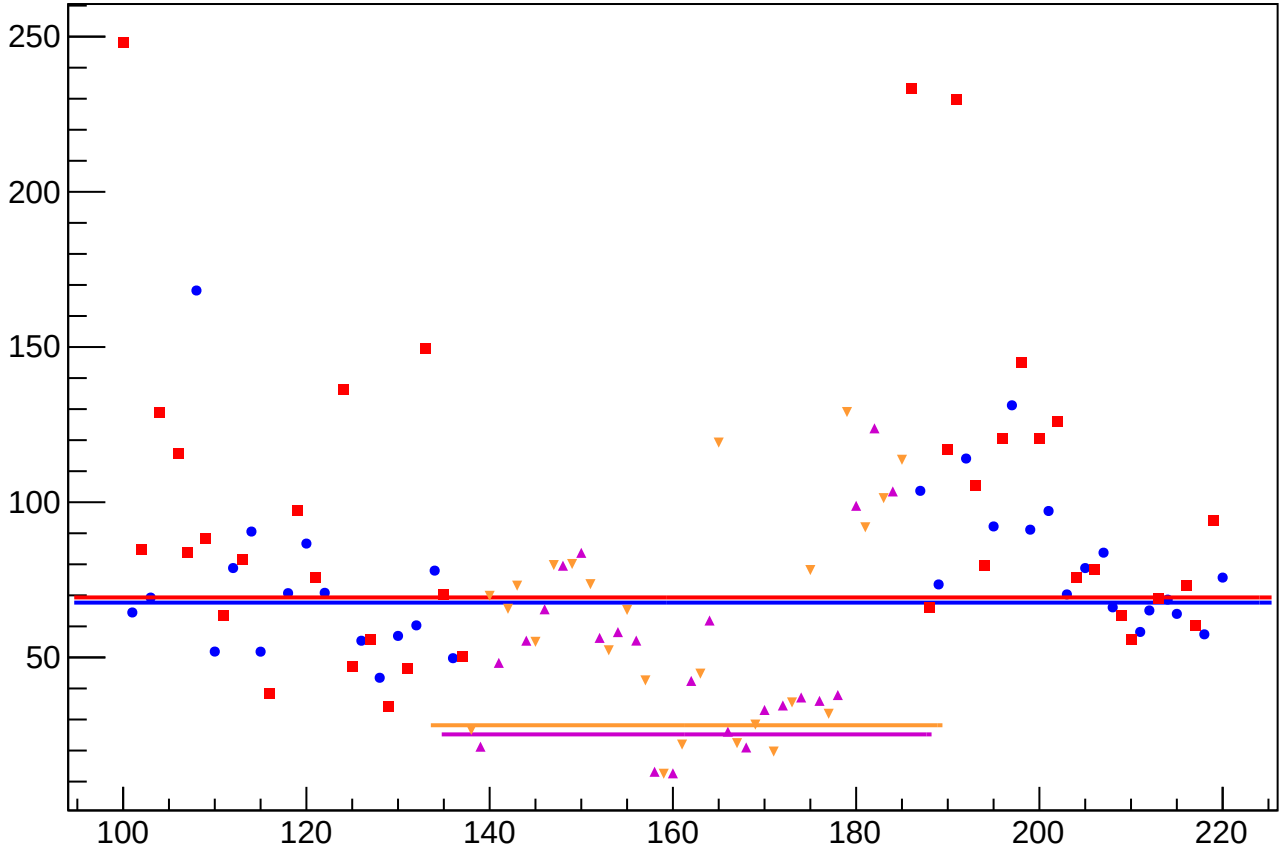
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.014+/-0.008 χ^2/NDF: 87.7/57

All: 0.010+/-0.005 χ^2/NDF: 190.1/117

- sign 0.007+/-0.007 χ^2/NDF: 101.9/59

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 67.661+/-0.011 χ^2/NDF: 2170063.0/32

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.331+/-0.012 χ^2/NDF: 4618843.0/36

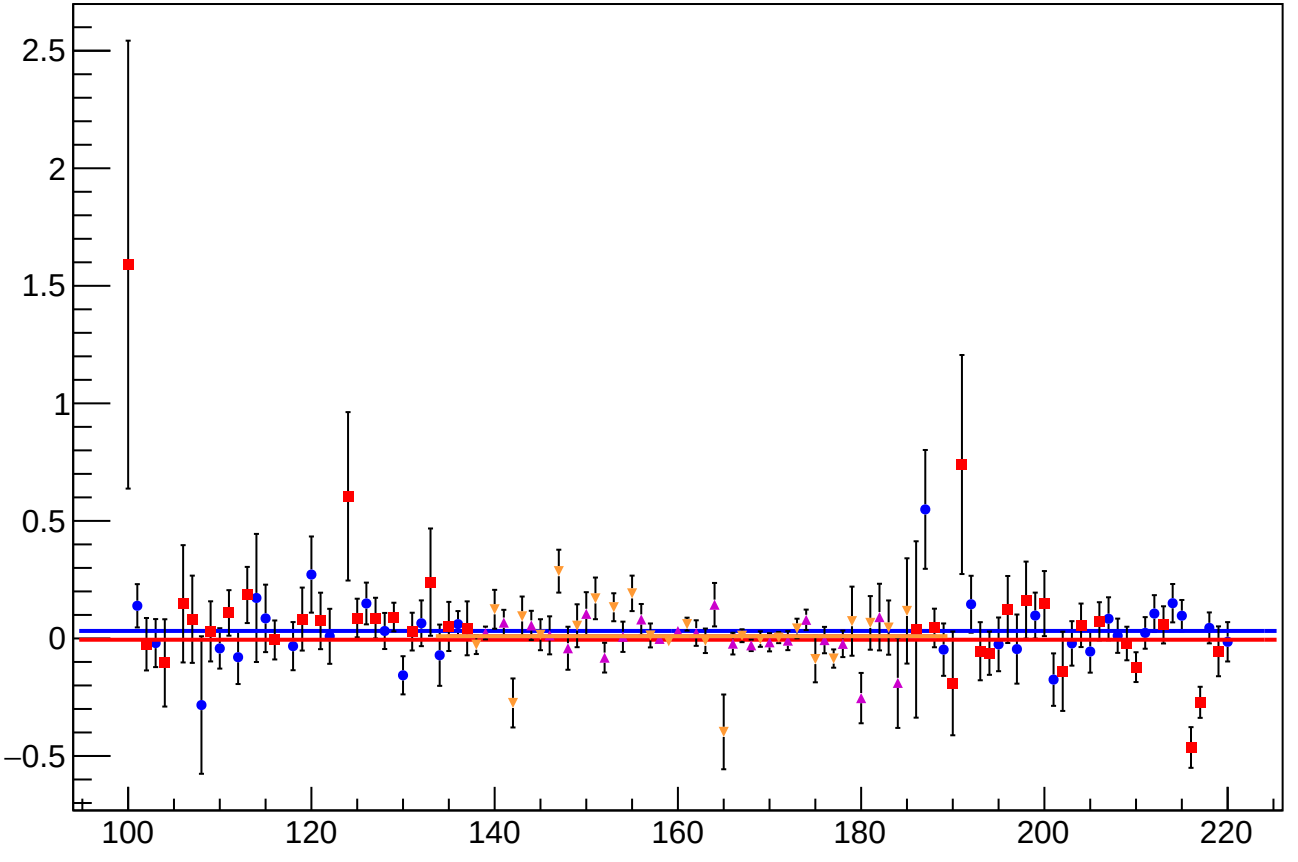
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 36.575+/-0.005 χ^2/NDF: 22549749.6/57

All: 34.722+/-0.004 χ^2/NDF: 48352485.1/117

- sign 33.021+/-0.005 χ^2/NDF: 25568680.0/59

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.032+/-0.016 χ^2/NDF: 31.6/32

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

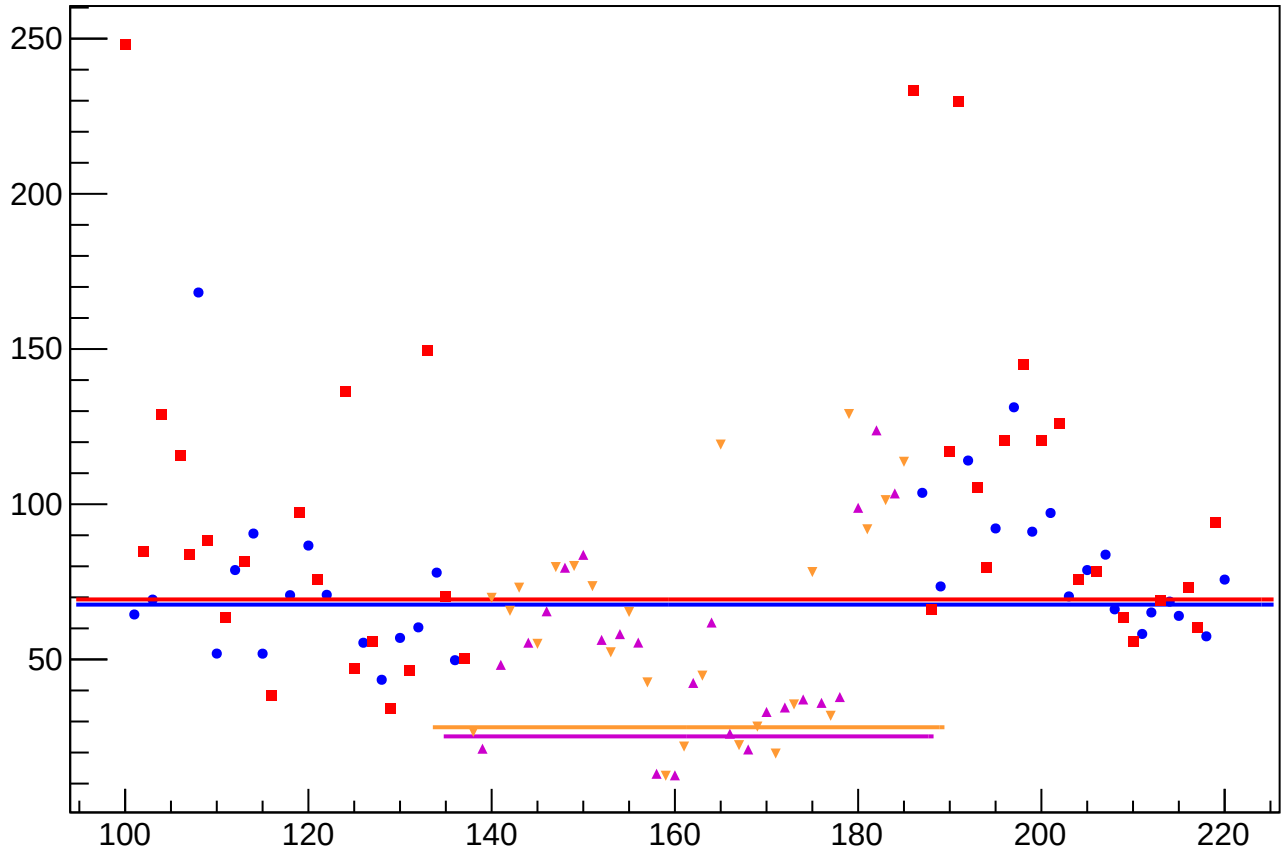
Right Out: -0.006+/-0.017 χ^2/NDF: 76.1/36

Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.014+/-0.008 χ^2/NDF: 87.7/57

All: 0.010+/-0.005 χ^2/NDF: 190.1/117

- sign 0.007+/-0.007 χ^2/NDF: 101.9/59



Right In: 67.661+/-0.011 χ^2/NDF: 2170063.0/32

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 69.331+/-0.012 χ^2/NDF: 4618843.0/36

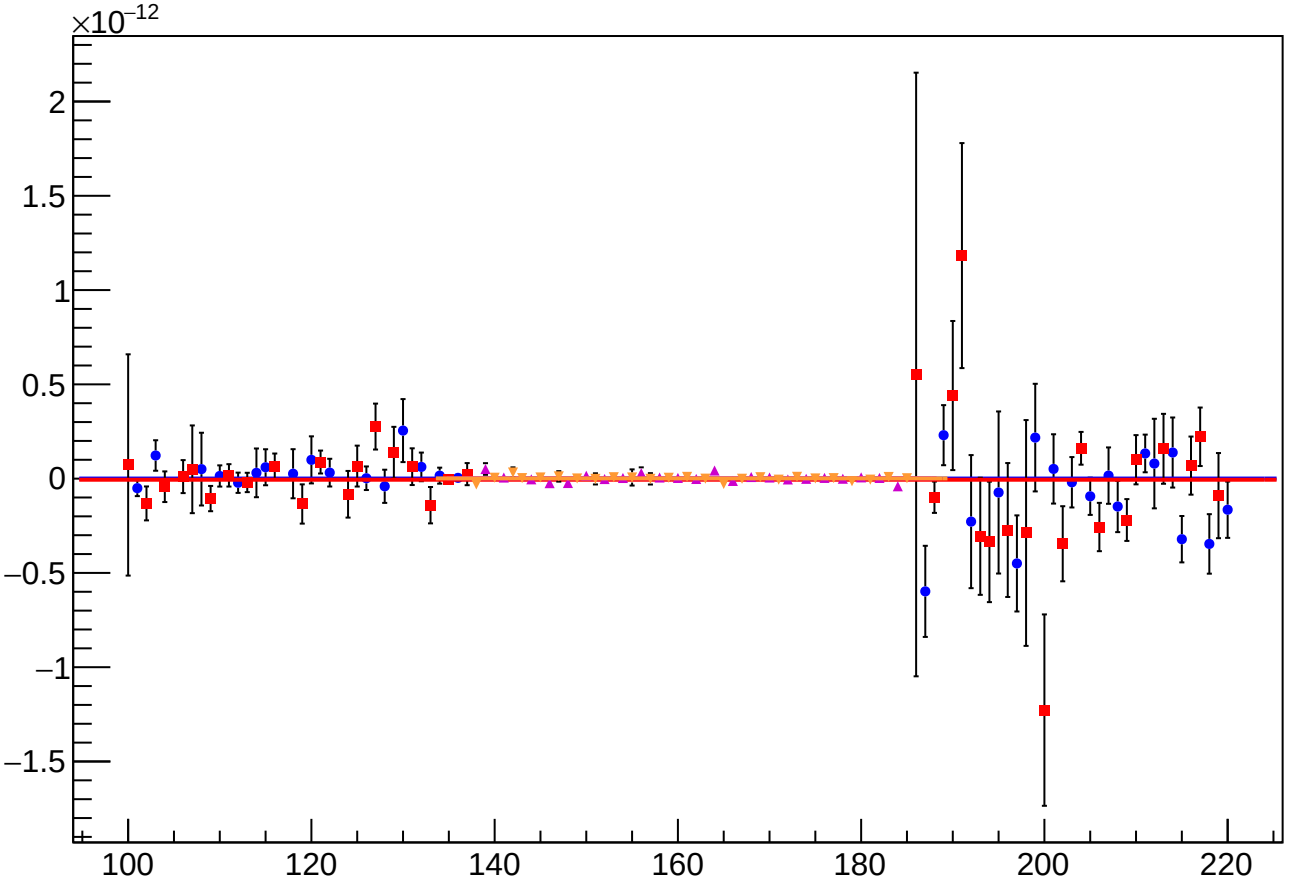
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 36.575+/-0.005 χ^2/NDF: 22549749.6/57

All: 34.722+/-0.004 χ^2/NDF: 48352485.1/117

- sign 33.021+/-0.005 χ^2/NDF: 25568680.0/59

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 38.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 53.0/36

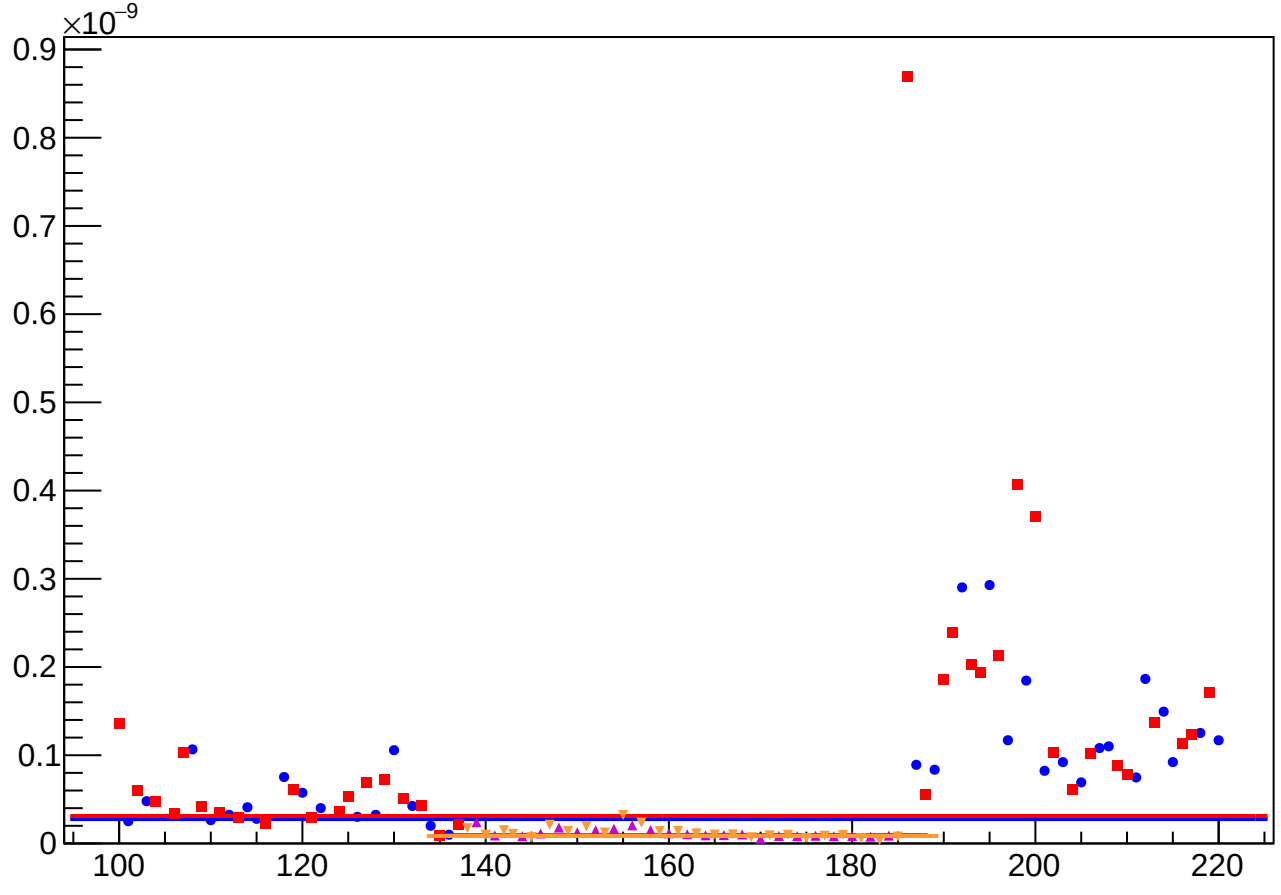
Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.9/57

All: 0.000+/-0.000 χ^2/NDF: 124.1/117

- sign 0.000+/-0.000 χ^2/NDF: 74.2/59

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 13538471.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13456540.2/36

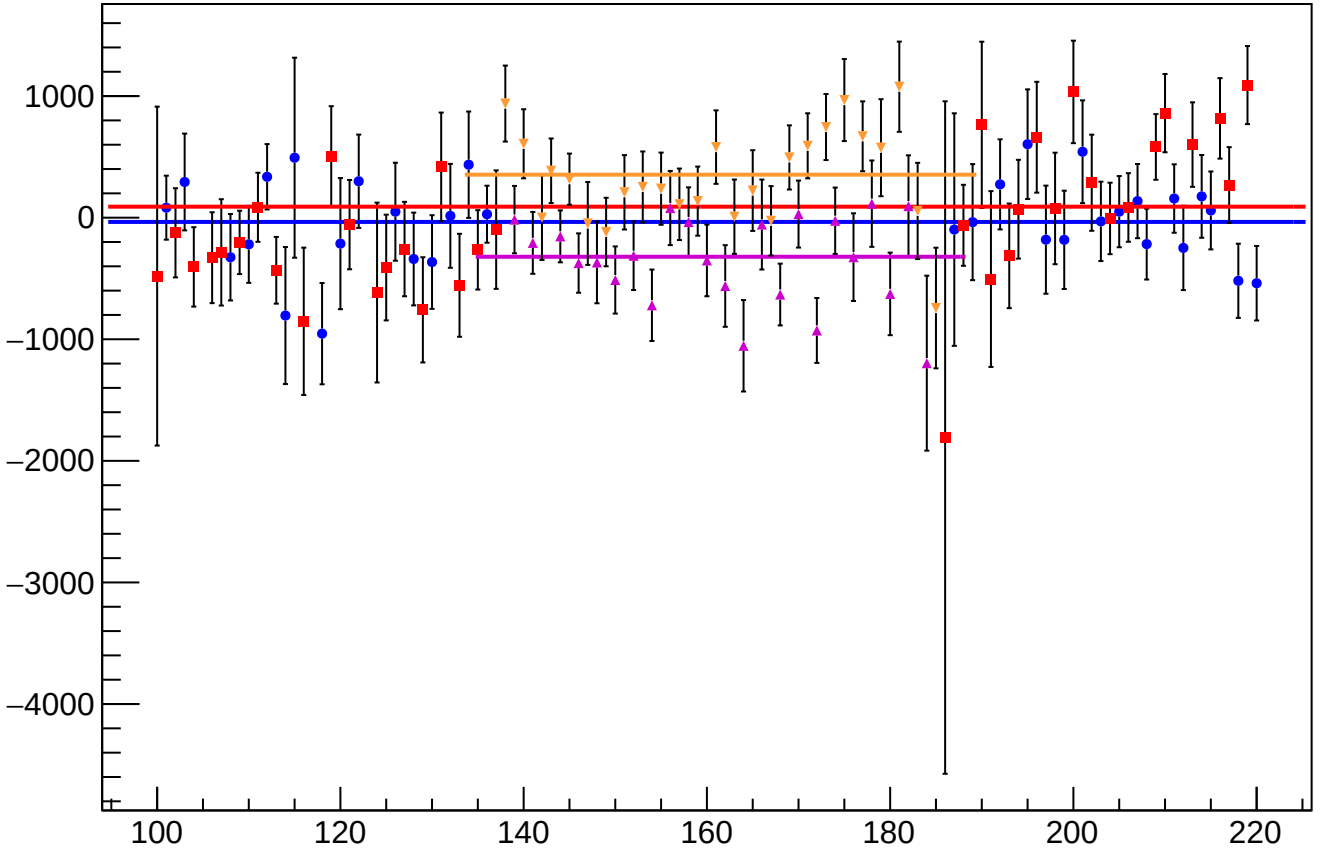
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 23067606.1/57

All: 0.000+/-0.000 χ^2/NDF: 44304761.0/117

- sign 0.000+/-0.000 χ^2/NDF: 21103572.9/59

reg_asym_sam4_mean vs Slug



Right In: -34.948+/-61.954 χ^2/NDF: 26.6/32

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: 90.454+/-61.947 χ^2/NDF: 60.6/36

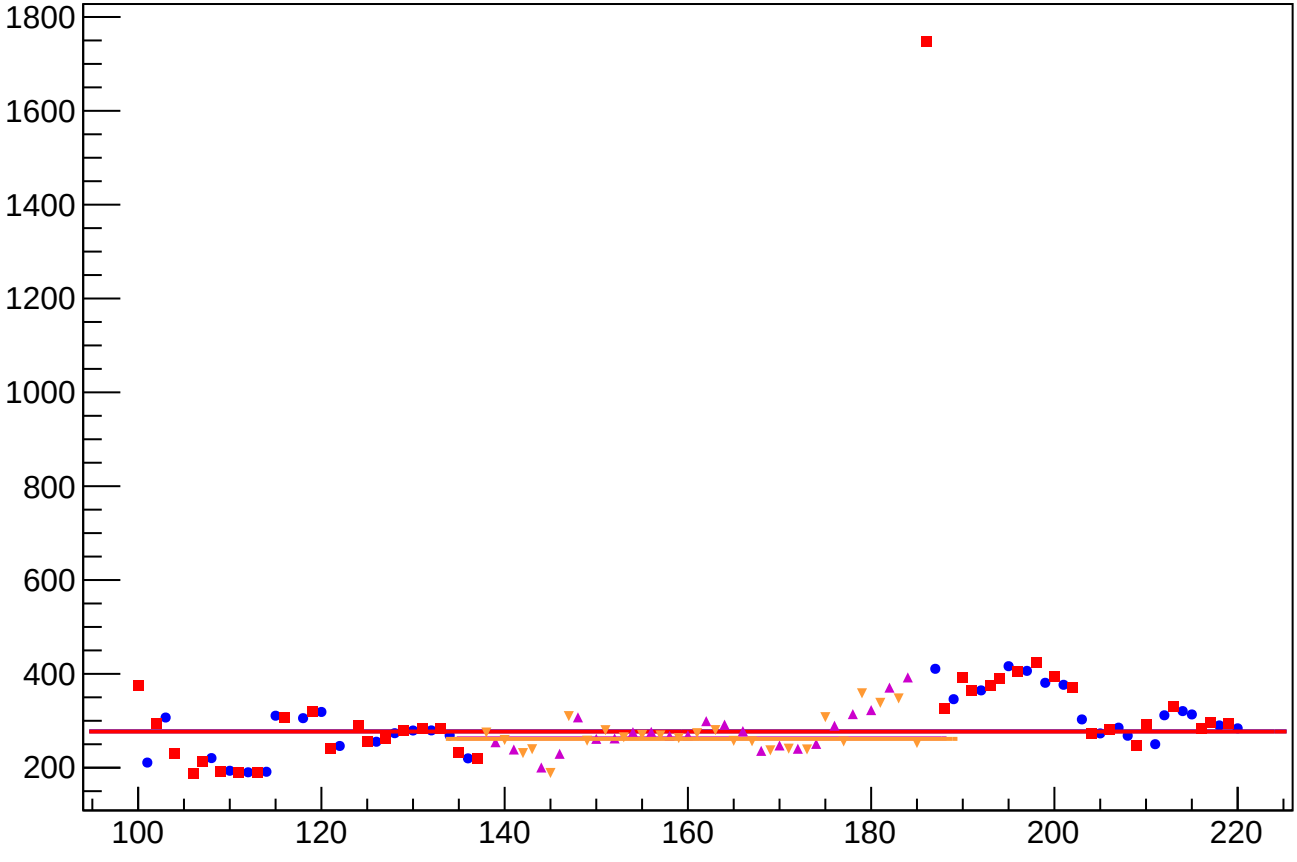
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 165.078+/-43.156 χ^2/NDF: 79.2/57

All: 27.323+/-30.762 χ^2/NDF: 208.8/117

- sign -114.977+/-43.862 χ^2/NDF: 108.9/59

reg_asym_sam4_rms vs Slug



Right In: 277.498+/-0.044 χ^2/NDF: 1659740.6/32

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 277.066+/-0.044 χ^2/NDF: 2616407.1/36

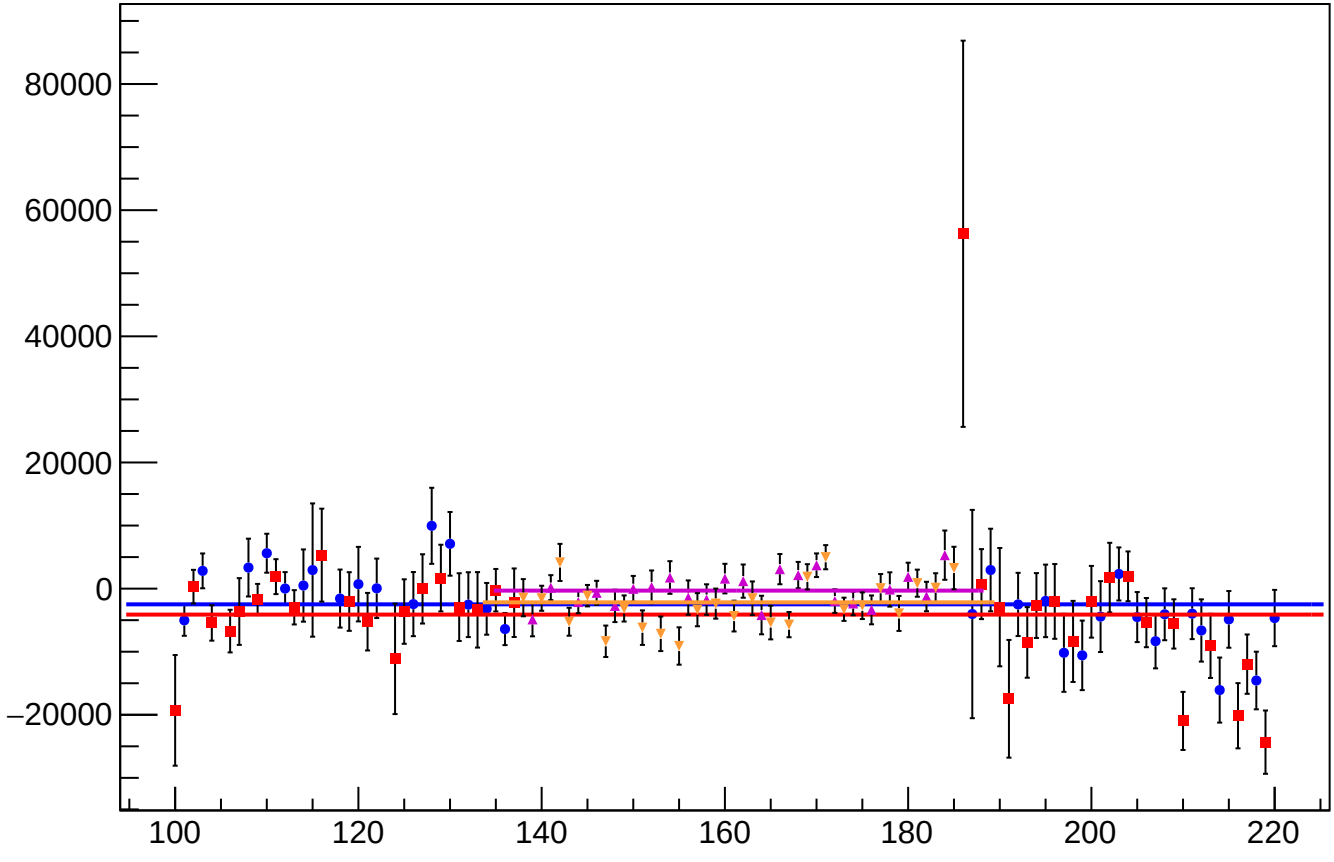
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 269.247+/-0.031 χ^2/NDF: 2444123.3/57

All: 269.549+/-0.022 χ^2/NDF: 5785642.0/117

- sign 269.860+/-0.031 χ^2/NDF: 3341320.0/59

asym_sam4_reg_correction_mean vs Slug



Right In: -2490.395+/-740.726 χ^2/NDF: 49.0/32

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -4115.080+/-726.022 χ^2/NDF: 73.1/36

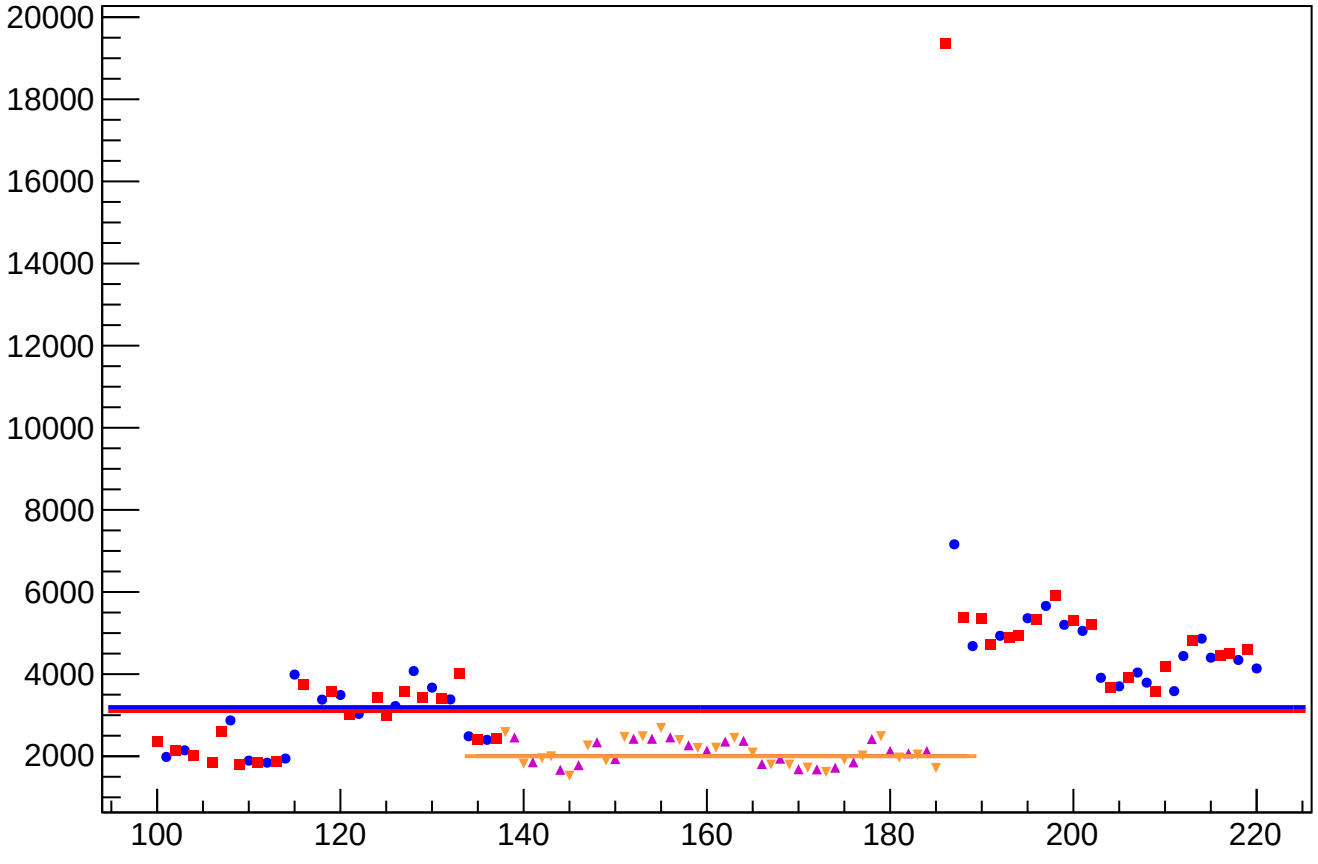
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -2260.959+/-391.787 χ^2/NDF: 104.6/57

All: -1860.831+/-278.843 χ^2/NDF: 222.7/117

- sign -1450.086+/-396.951 χ^2/NDF: 116.0/59

asym_sam4_reg_correction_rms vs Slug



Right In: 3196.521+/-0.524 χ^2/NDF: 4584745.8/32

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 3102.901+/-0.513 χ^2/NDF: 6266191.2/36

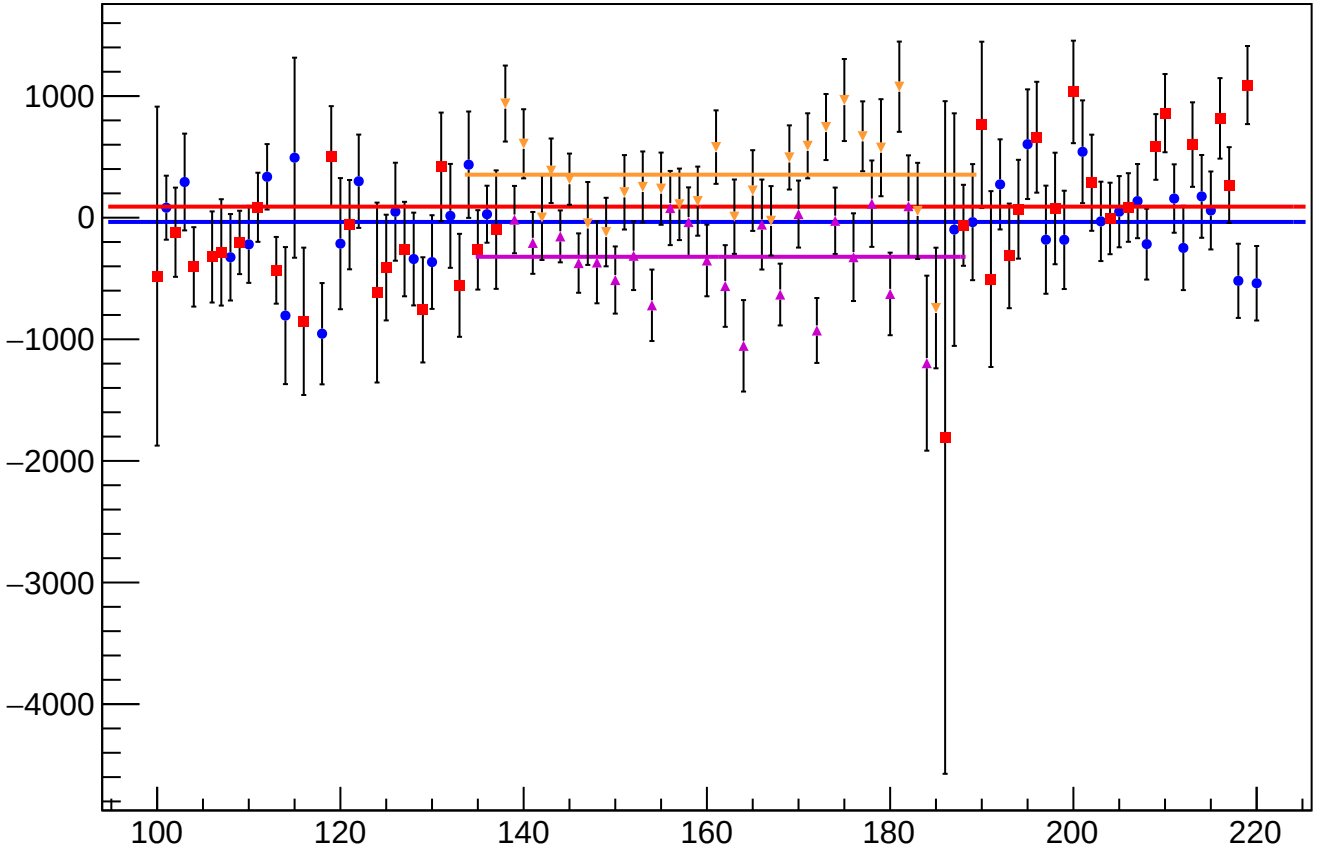
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2336.344+/-0.277 χ^2/NDF: 9222121.3/57

All: 2334.531+/-0.197 χ^2/NDF: 19404126.0/1

- sign 2332.669+/-0.281 χ^2/NDF: 10181917.8/59

cor_asym_sam4_mean vs Slug



Right In: -34.959+/-61.954 χ^2/NDF: 26.6/32

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 90.815+/-61.952 χ^2/NDF: 60.5/36

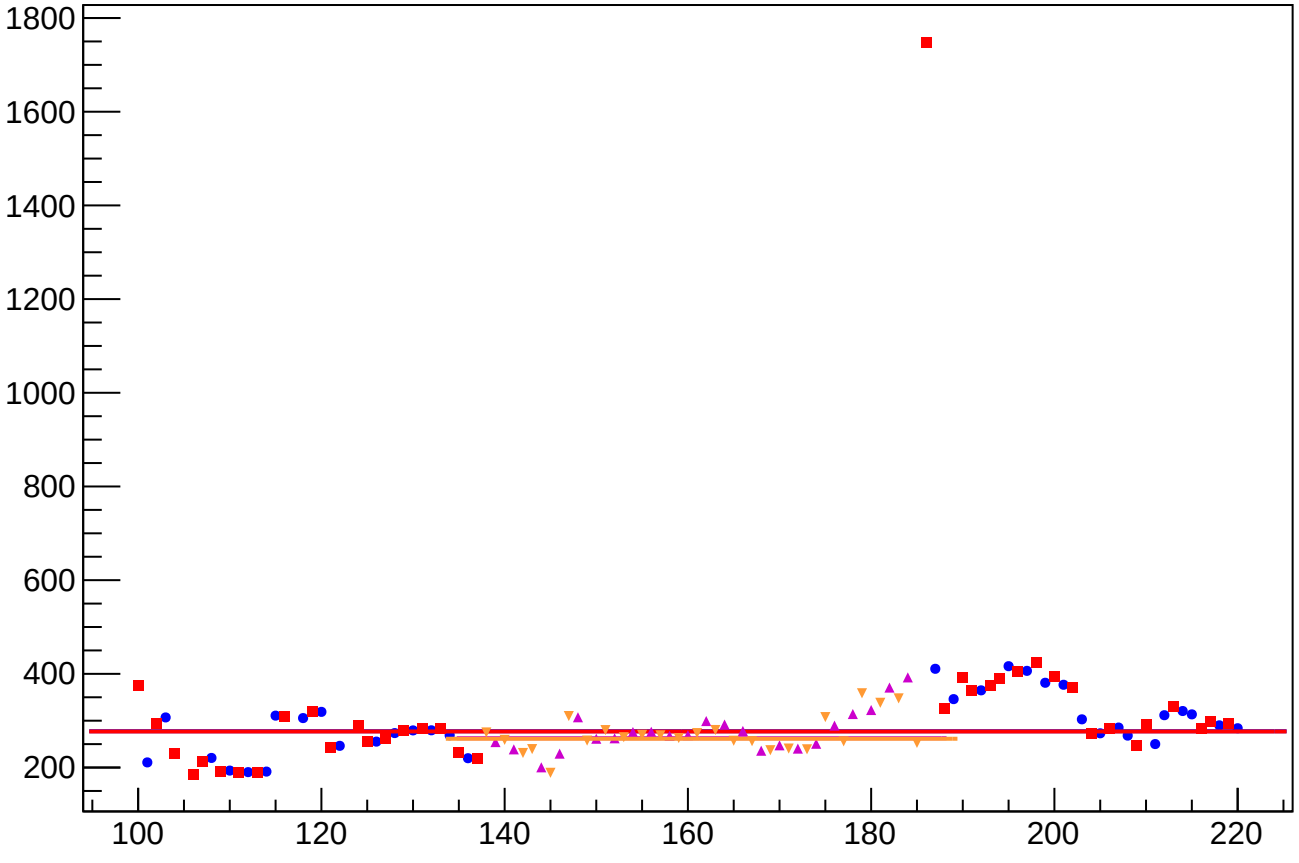
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 165.085+/-43.156 χ^2/NDF: 79.2/57

All: 27.412+/-30.763 χ^2/NDF: 208.7/117

- sign -114.814+/-43.864 χ^2/NDF: 108.8/59

cor_asym_sam4_rms vs Slug



Right In: 277.499+/-0.044 χ^2/NDF: 1659741.8/32

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 277.012+/-0.044 χ^2/NDF: 2622446.9/36

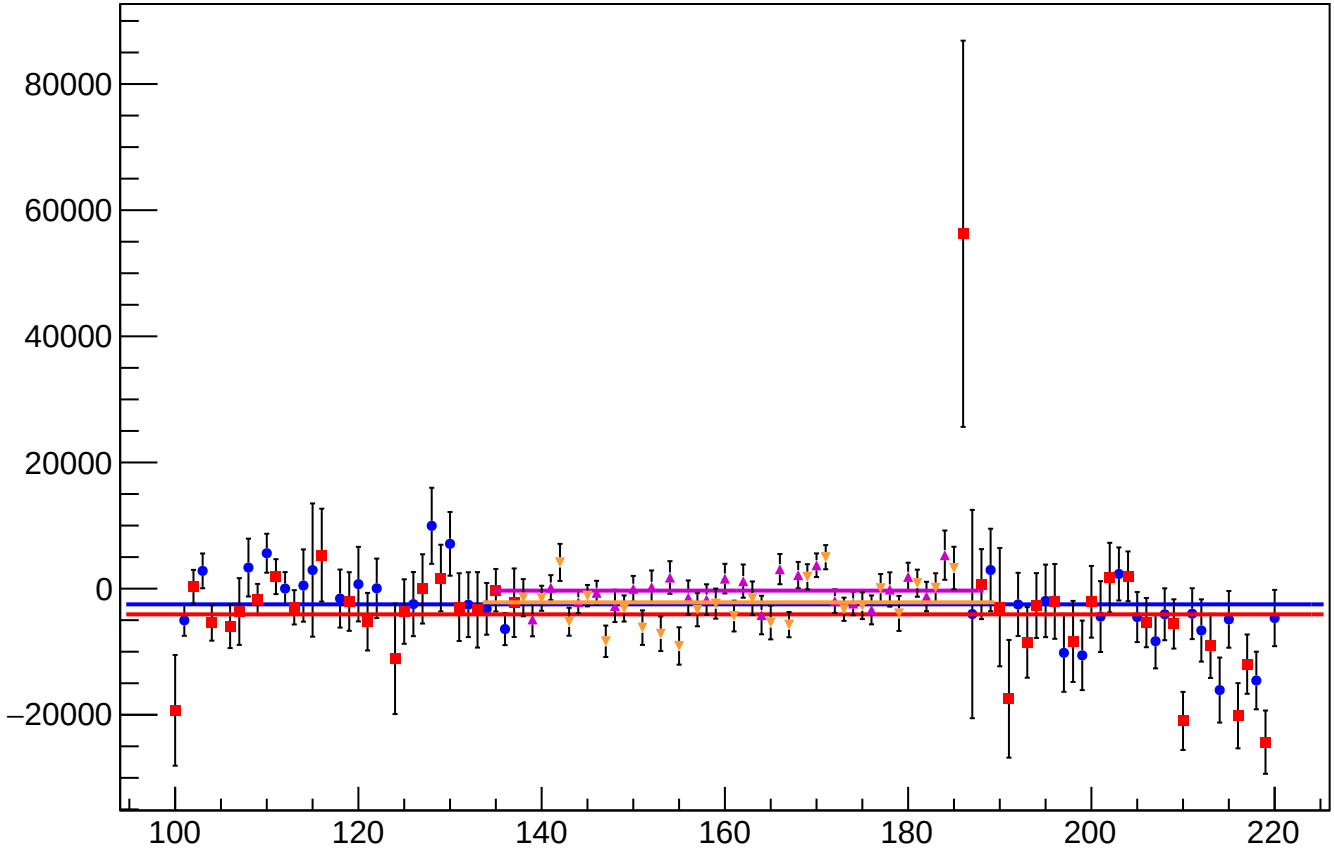
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 269.247+/-0.031 χ^2/NDF: 2444124.8/57

All: 269.535+/-0.022 χ^2/NDF: 5791257.9/117

- sign 269.833+/-0.031 χ^2/NDF: 3346951.8/59

asym_sam4_cor_correction_mean vs Slug



Right In: -2490.517+/-740.730 χ^2/NDF: 49.0/32

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -4075.574+/-726.926 χ^2/NDF: 72.7/36

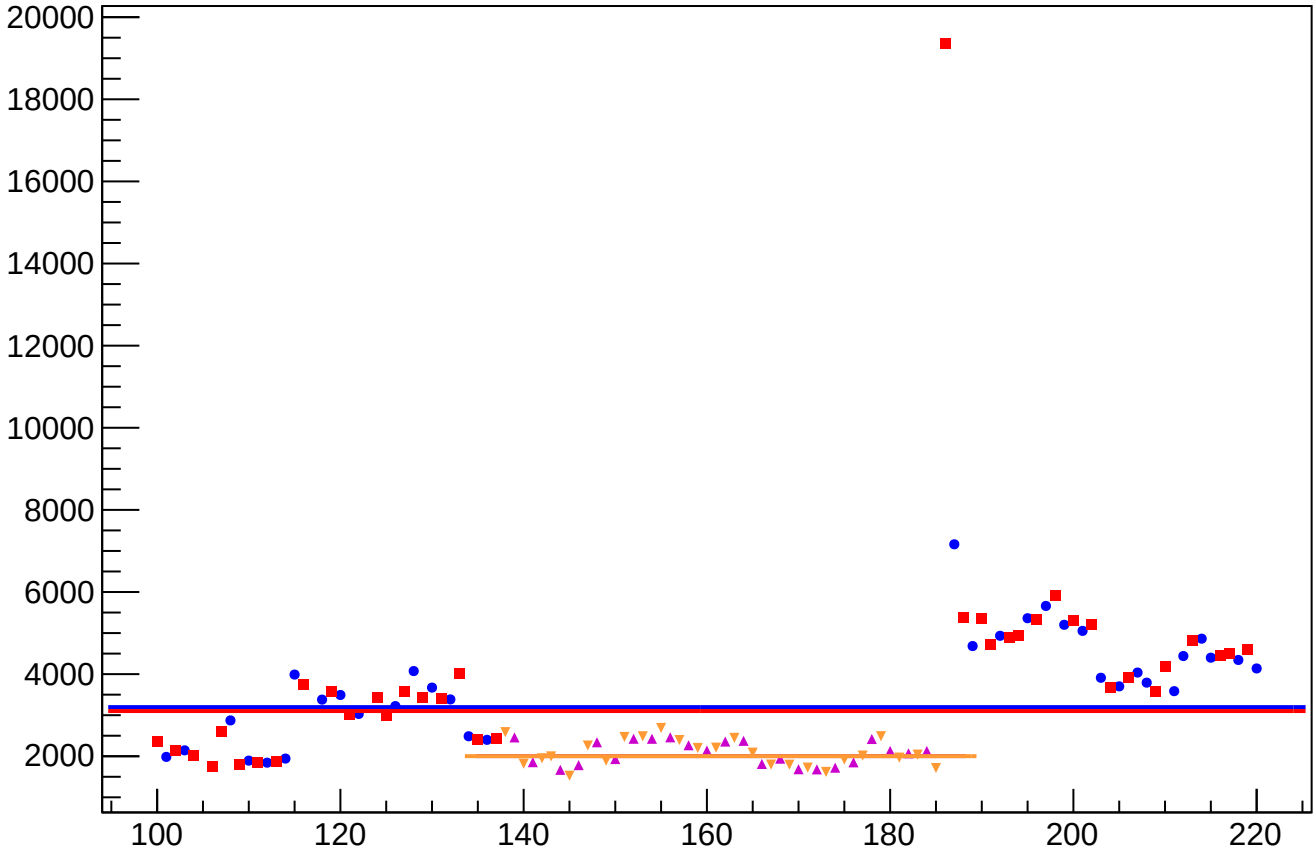
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -2260.971+/-391.788 χ^2/NDF: 104.6/57

All: -1854.196+/-278.894 χ^2/NDF: 222.0/117

- sign -1436.319+/-397.099 χ^2/NDF: 115.2/59

asym_sam4_cor_correction_rms vs Slug



Right In: 3196.544+/-0.524 χ^2/NDF: 4584614.0/32

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

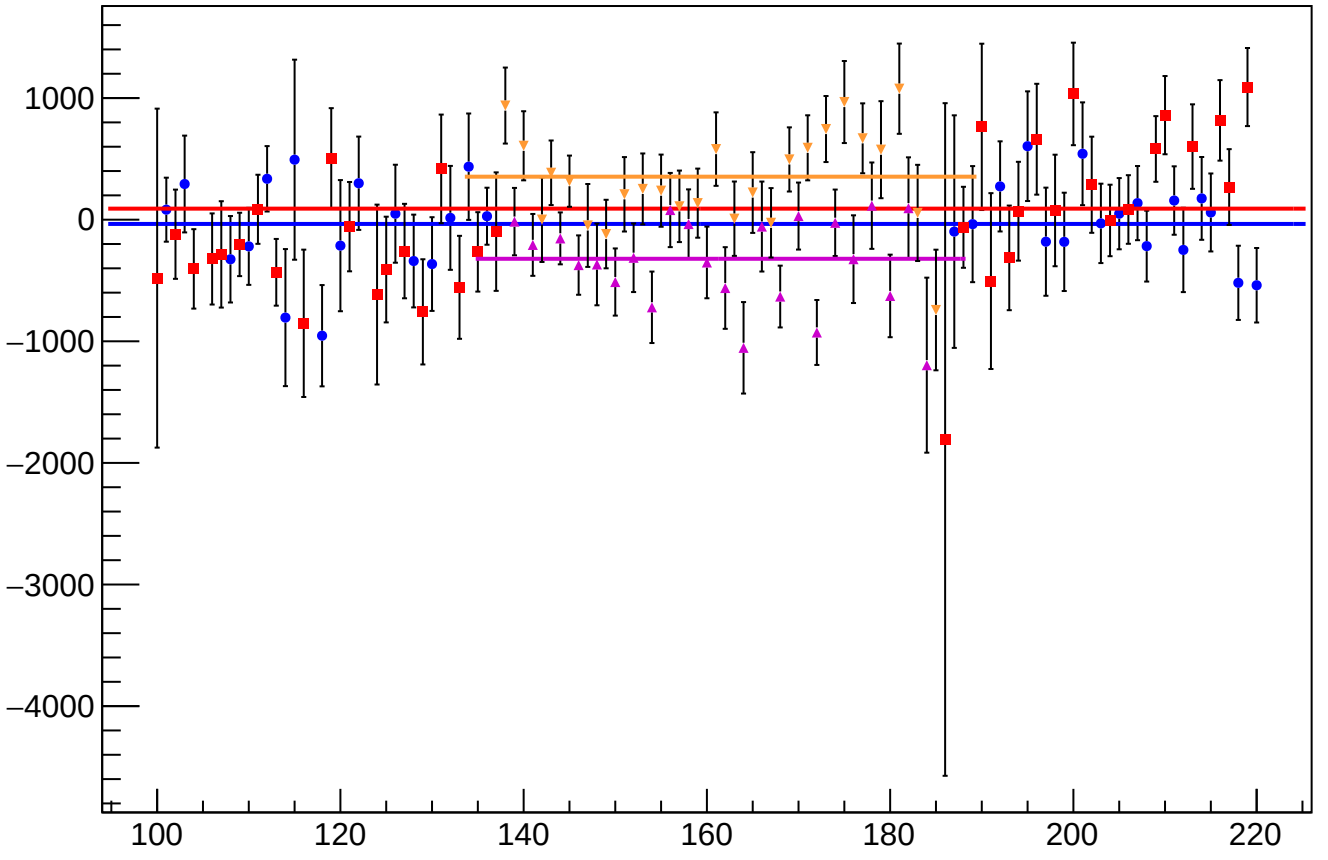
Right Out: 3101.166+/-0.514 χ^2/NDF: 6299494.3/36

Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2336.348+/-0.277 χ^2/NDF: 9222104.5/57

All: 2333.995+/-0.197 χ^2/NDF: 19421755.2/1

- sign 2331.579+/-0.281 χ^2/NDF: 10199504.5/59



Right In: -34.959+/-61.954 χ^2/NDF: 26.6/32

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: 90.815+/-61.952 χ^2/NDF: 60.5/36

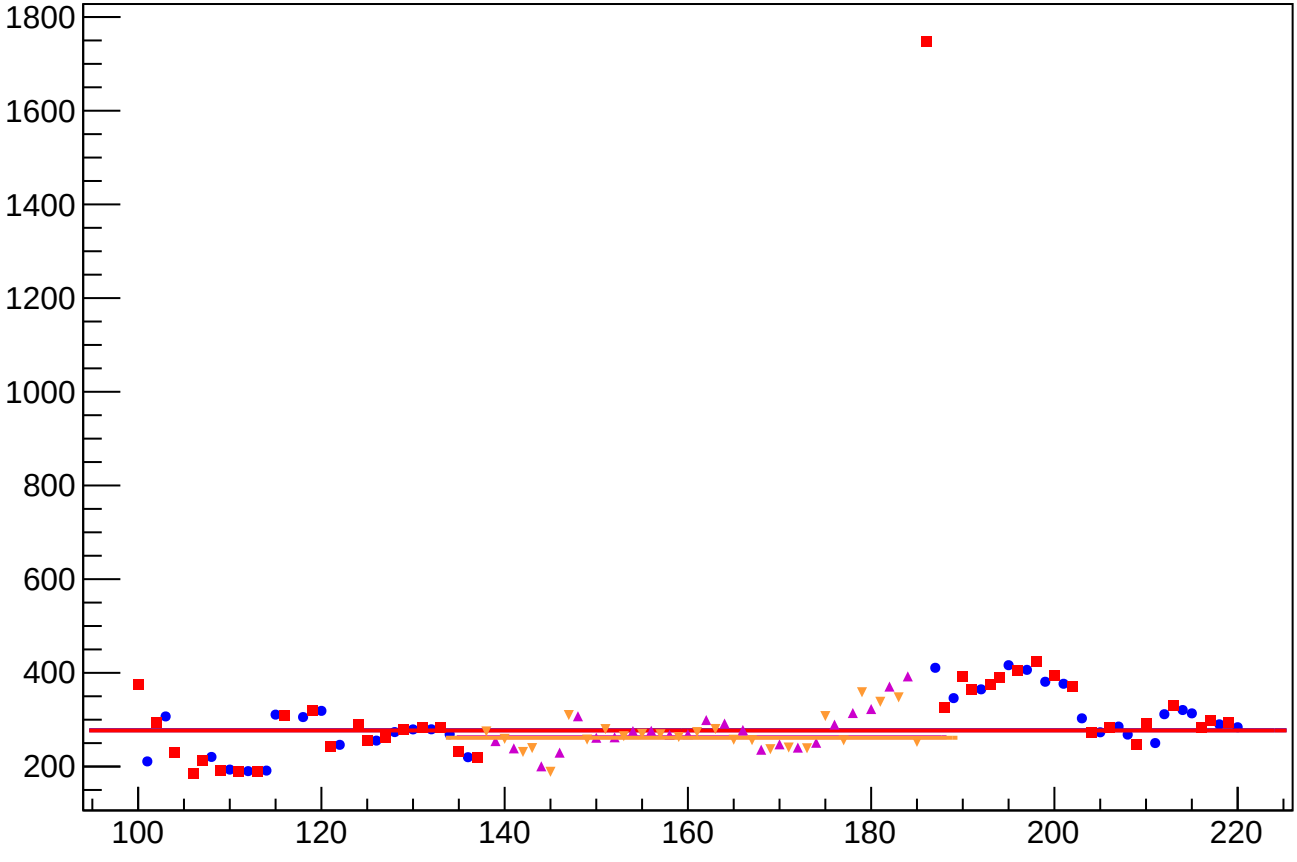
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 165.085+/-43.156 χ^2/NDF: 79.2/57

All: 27.412+/-30.763 χ^2/NDF: 208.7/117

- sign -114.814+/-43.864 χ^2/NDF: 108.8/59

eigen_cor_asym_sam4_rms vs Slug



Right In: 277.499+/-0.044 χ^2/NDF: 1659741.8/32

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 277.012+/-0.044 χ^2/NDF: 2622446.9/36

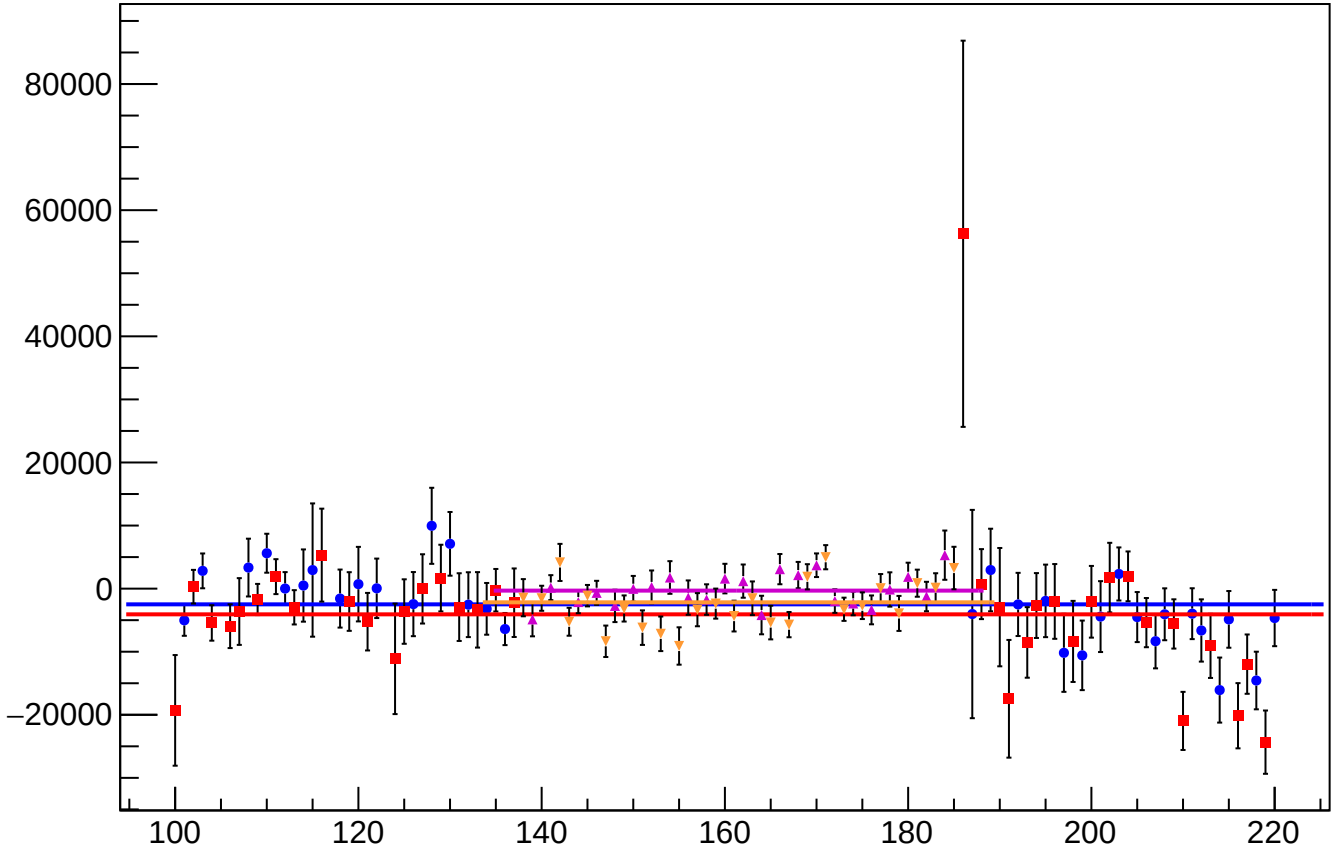
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 269.247+/-0.031 χ^2/NDF: 2444124.8/57

All: 269.535+/-0.022 χ^2/NDF: 5791257.9/117

- sign 269.833+/-0.031 χ^2/NDF: 3346951.8/59

asym_sam4_eigen_cor_correction_mean vs Slug



Right In: -2490.517+/-740.730 χ^2/NDF: 49.0/32

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -4075.574+/-726.926 χ^2/NDF: 72.7/36

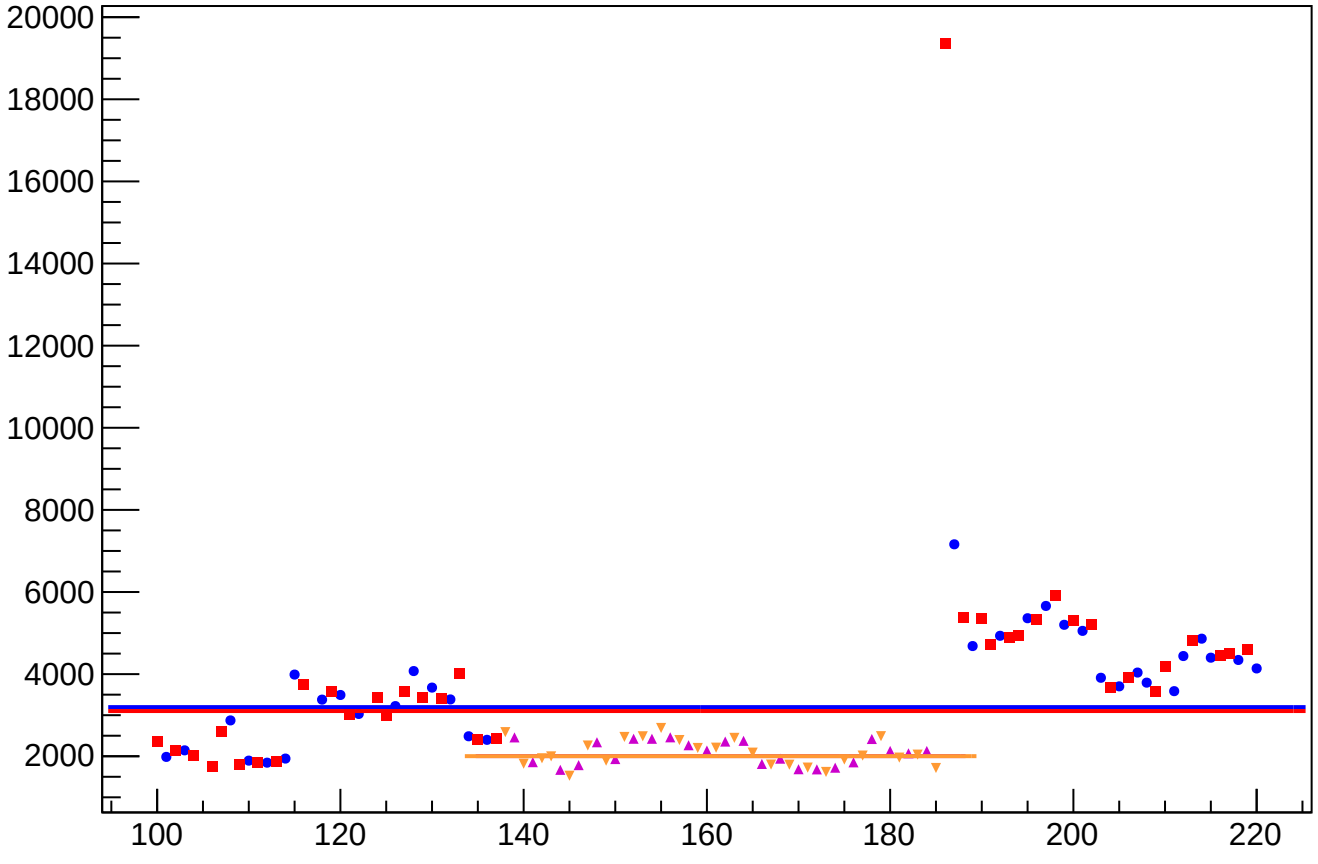
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -2260.971+/-391.788 χ^2/NDF: 104.6/57

All: -1854.196+/-278.894 χ^2/NDF: 222.0/117

- sign -1436.319+/-397.099 χ^2/NDF: 115.2/59

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 3196.544+/-0.524 χ^2/NDF: 4584614.0/32

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 3101.166+/-0.514 χ^2/NDF: 6299494.3/36

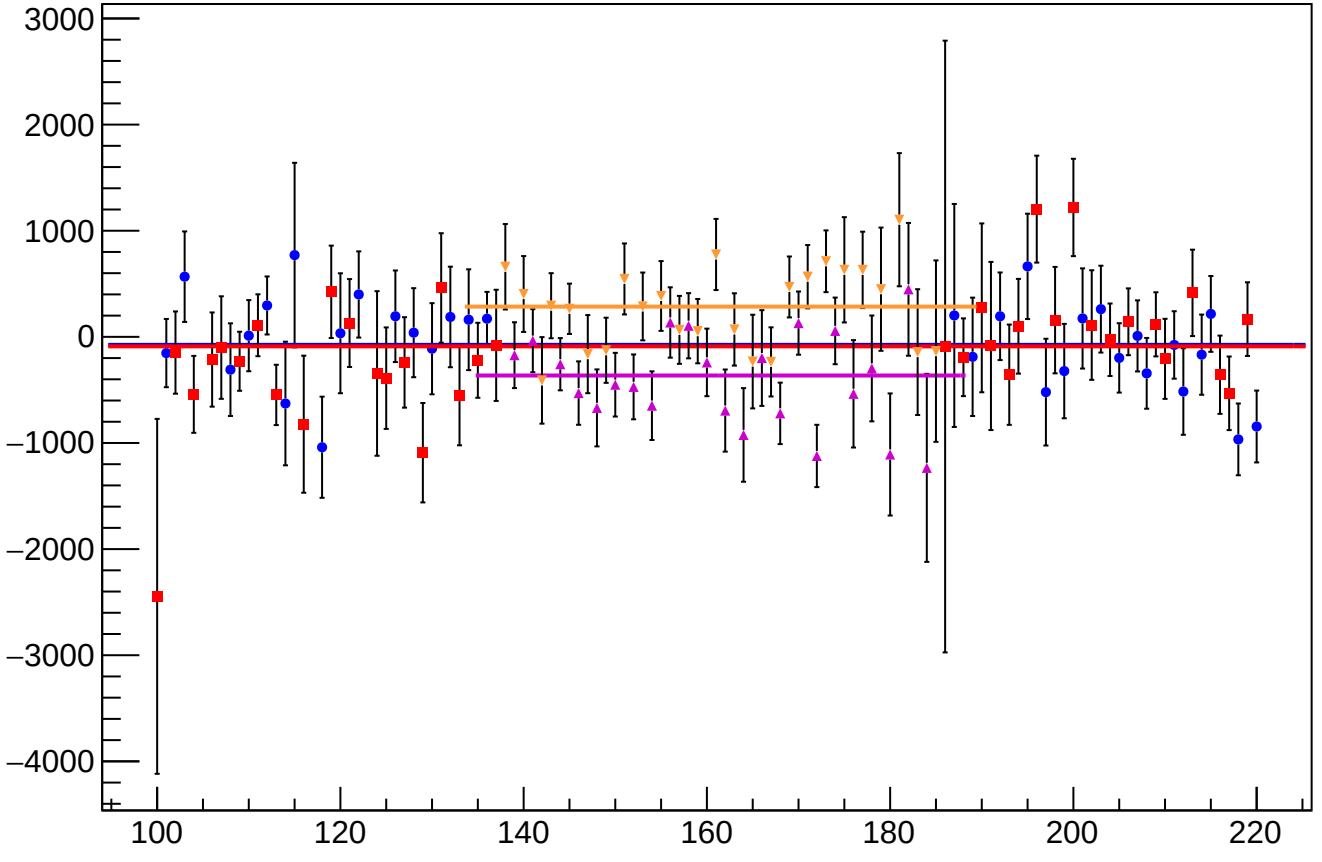
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2336.348+/-0.277 χ^2/NDF: 9222104.5/57

All: 2333.995+/-0.197 χ^2/NDF: 19421755.2/1

- sign 2331.579+/-0.281 χ^2/NDF: 10199504.5/59

dit_asym_sam4_mean vs Slug



Right In: -75.536+/-68.910 χ^2/NDF: 33.5/32

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -89.703+/-68.361 χ^2/NDF: 38.7/36

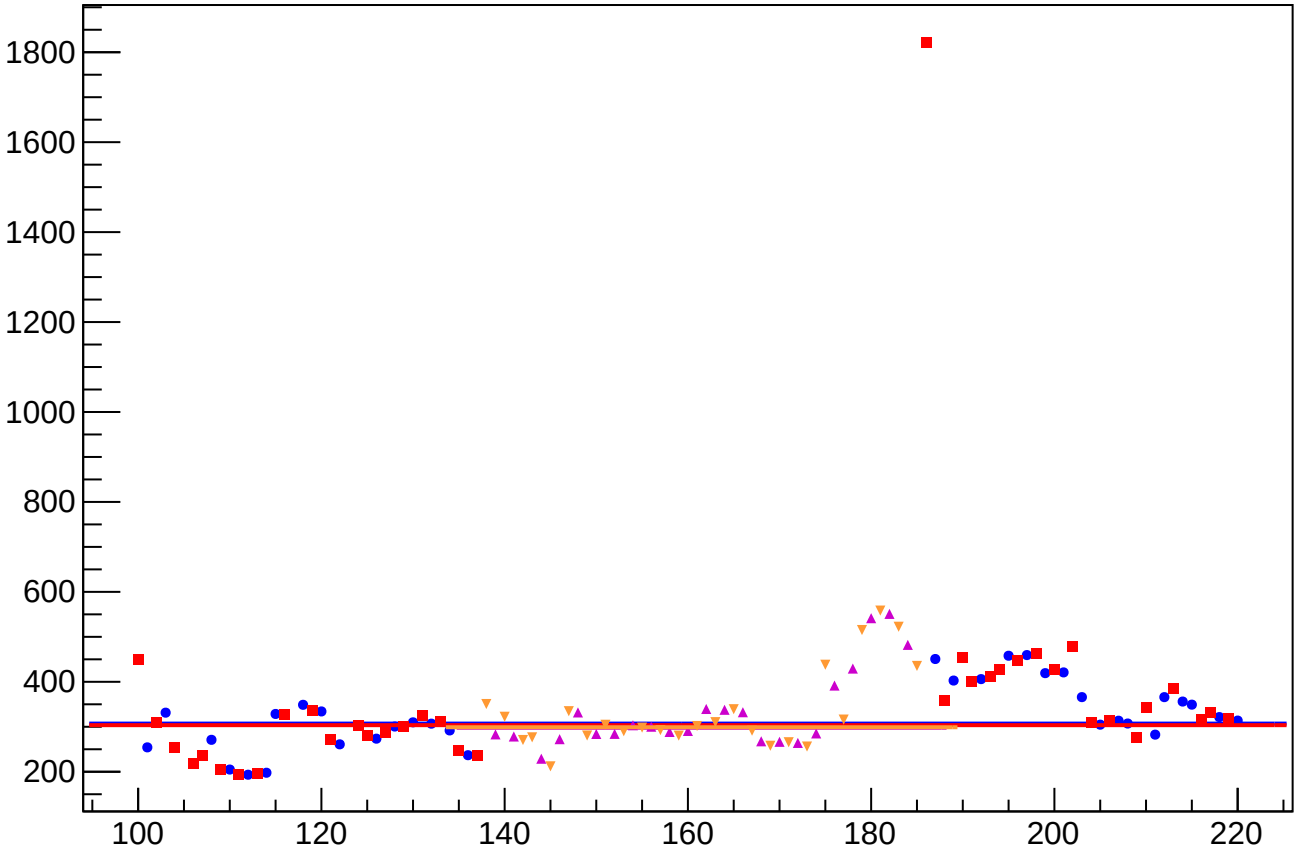
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 101.767+/-49.120 χ^2/NDF: 69.8/57

All: -58.120+/-34.860 χ^2/NDF: 165.7/117

- sign -220.368+/-49.481 χ^2/NDF: 74.5/59

dit_asym_sam4_rms vs Slug



Right In: 307.071+/-0.049 χ^2/NDF: 1877139.3/32

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 303.589+/-0.048 χ^2/NDF: 2955513.3/36

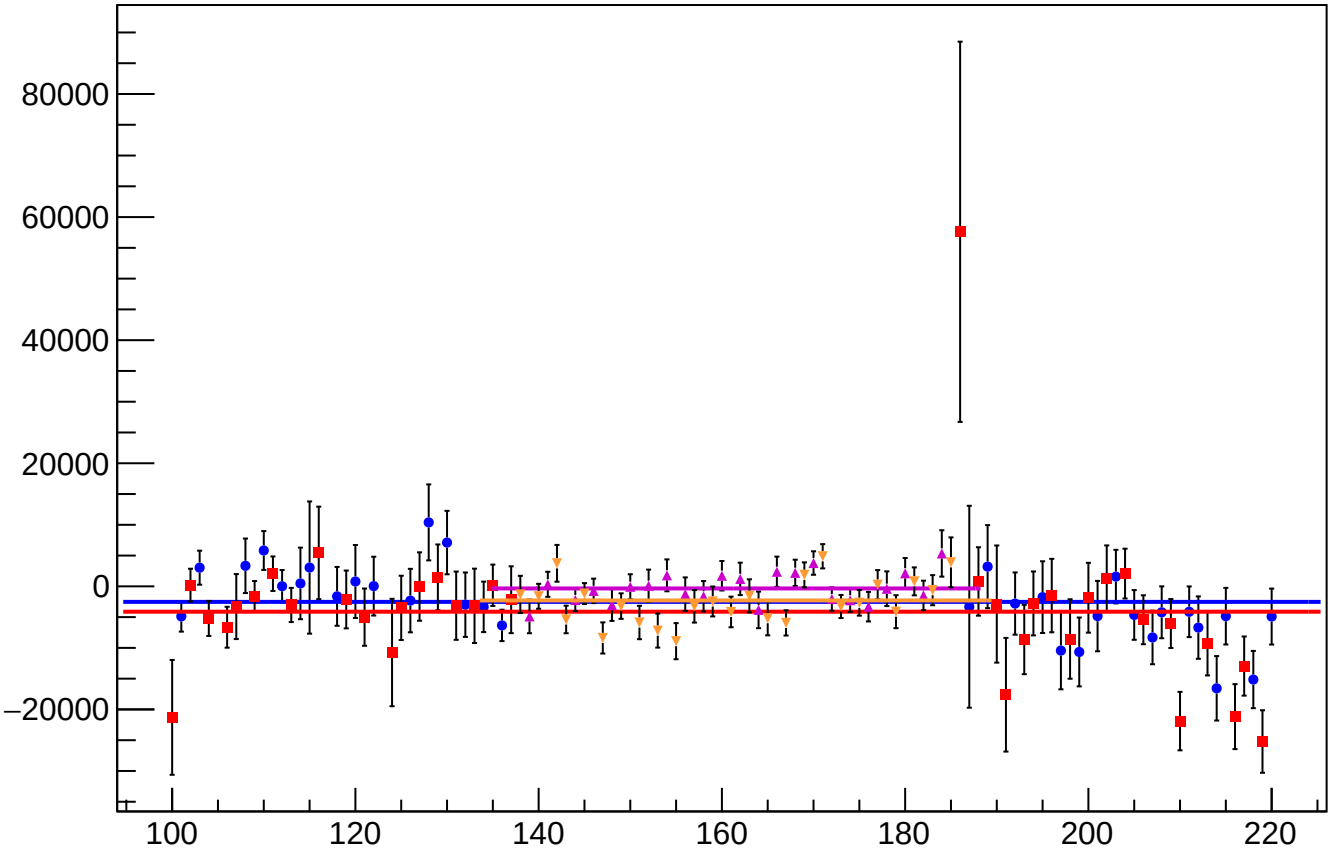
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 303.070+/-0.035 χ^2/NDF: 3503919.8/57

All: 301.980+/-0.025 χ^2/NDF: 7787108.3/117

- sign 300.873+/-0.035 χ^2/NDF: 4281202.8/59

asym_sam4_dit_correction_mean vs Slug



Right In: -2524.645+/-750.031 χ^2/NDF: 49.6/32

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -4121.180+/-733.093 χ^2/NDF: 76.9/36

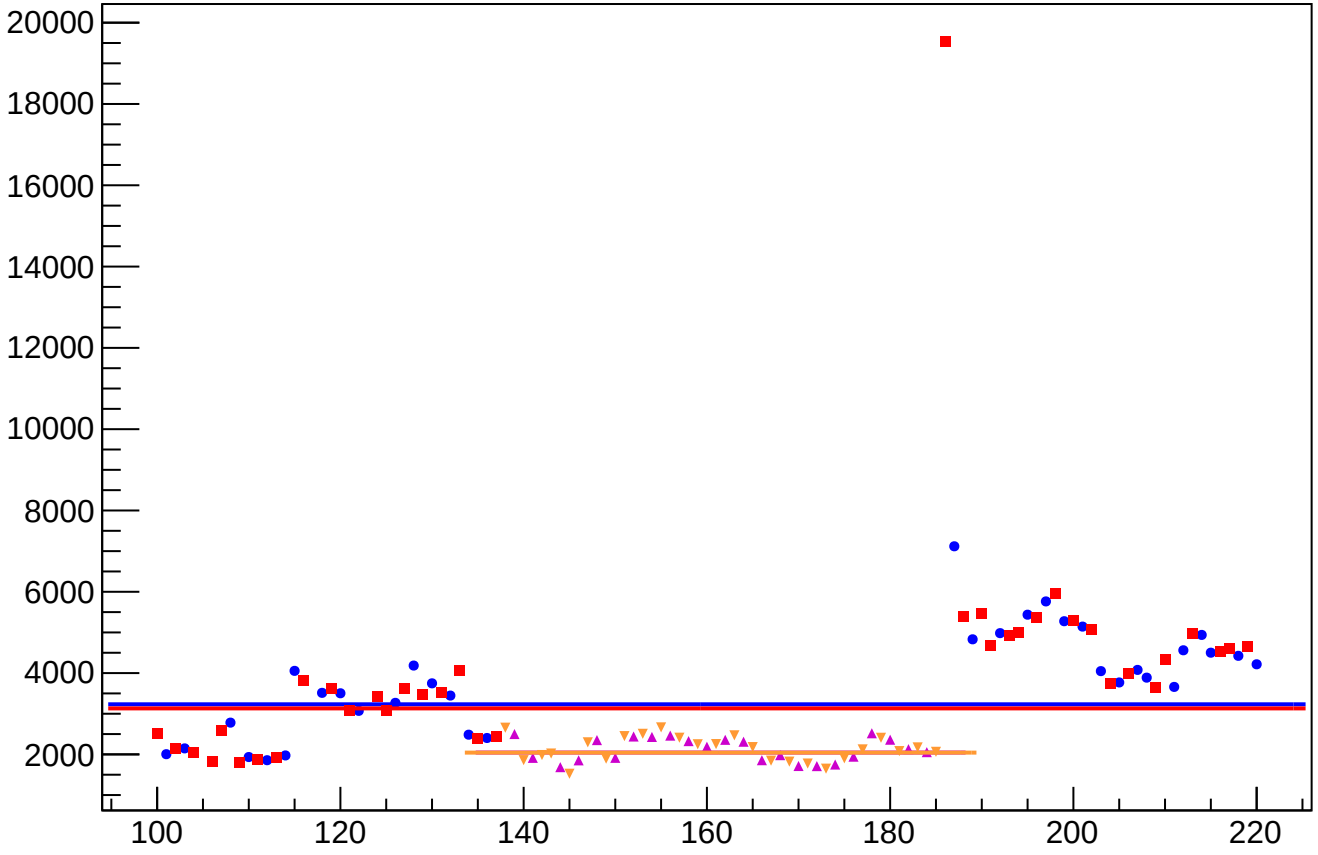
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -2356.976+/-398.580 χ^2/NDF: 101.3/57

All: -1928.186+/-283.625 χ^2/NDF: 221.9/117

- sign -1488.350+/-403.681 χ^2/NDF: 118.2/59

asym_sam4_dit_correction_rms vs Slug



Right In: 3232.062+/-0.530 χ^2/NDF: 4717707.2/32

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 3131.322+/-0.518 χ^2/NDF: 6323659.8/36

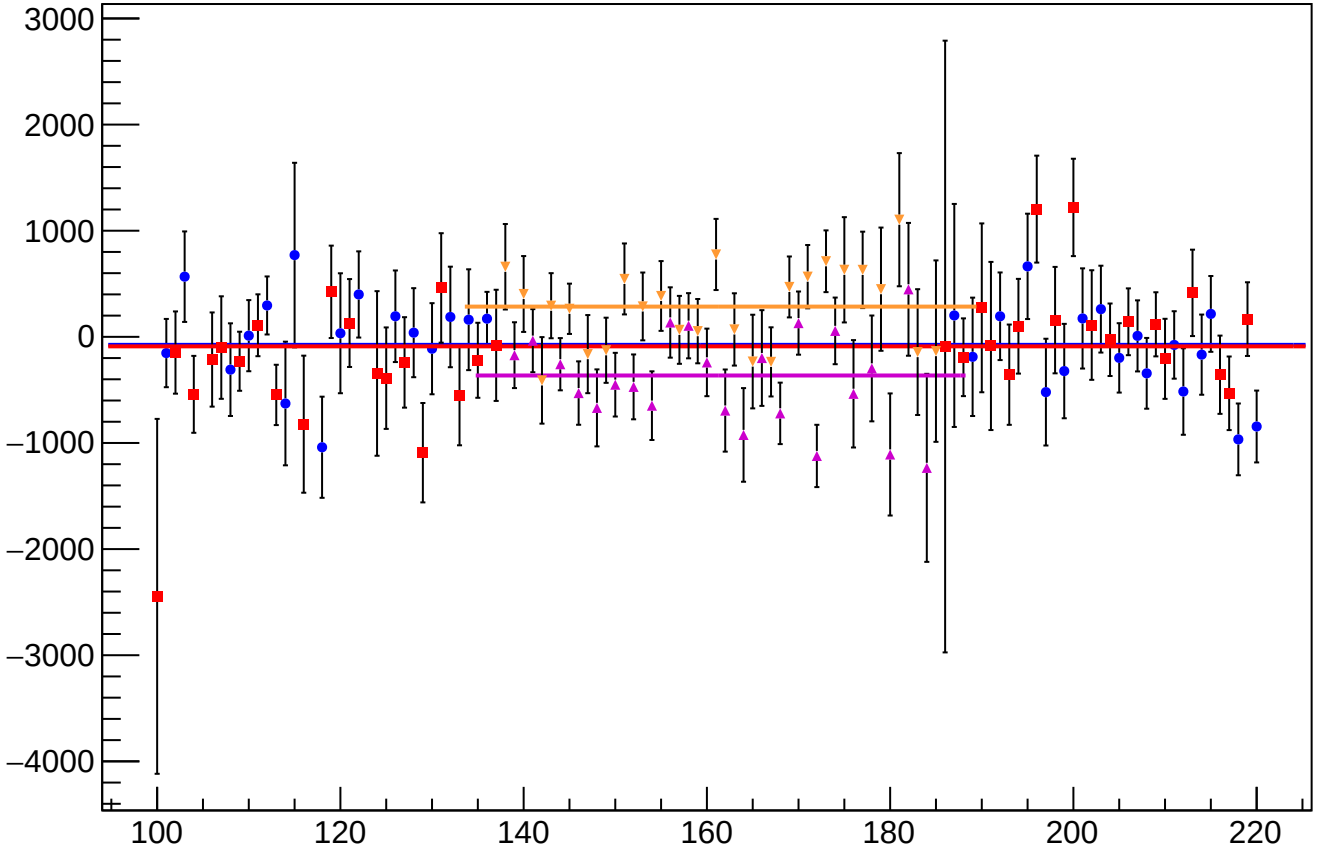
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2379.333+/-0.282 χ^2/NDF: 9173693.9/57

All: 2376.957+/-0.201 χ^2/NDF: 19246733.1/1

- sign 2374.519+/-0.285 χ^2/NDF: 10072895.2/59

eigen_dit_asym_sam4_mean vs Slug



Right In: -75.530+/-68.910 χ^2/NDF: 33.5/32

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -89.696+/-68.361 χ^2/NDF: 38.7/36

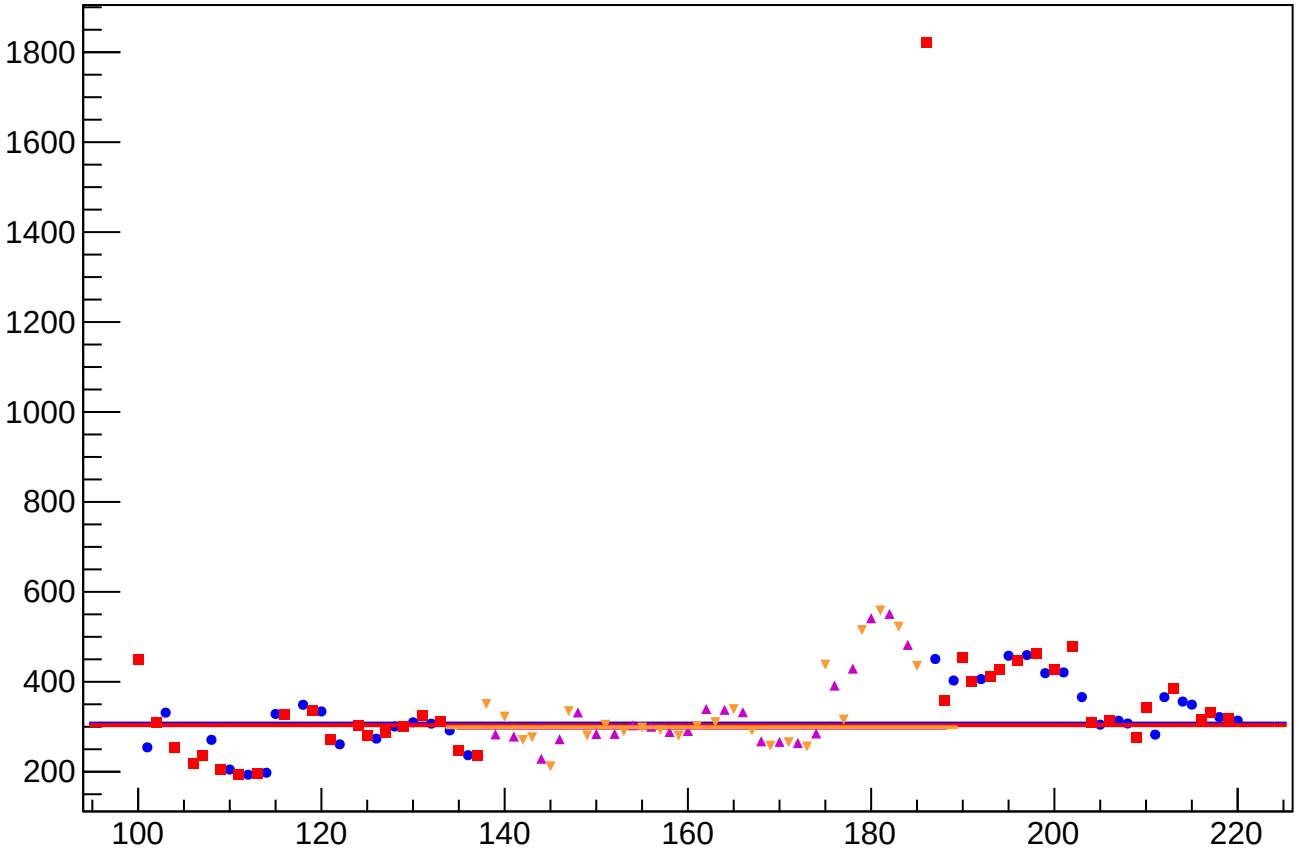
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 101.772+/-49.120 χ^2/NDF: 69.8/57

All: -58.116+/-34.860 χ^2/NDF: 165.7/117

- sign -220.365+/-49.481 χ^2/NDF: 74.6/59

eigen_dit_asym_sam4_rms vs Slug



Right In: 307.071+/-0.049 χ^2/NDF: 1877118.5/32

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 303.588+/-0.048 χ^2/NDF: 2955514.0/36

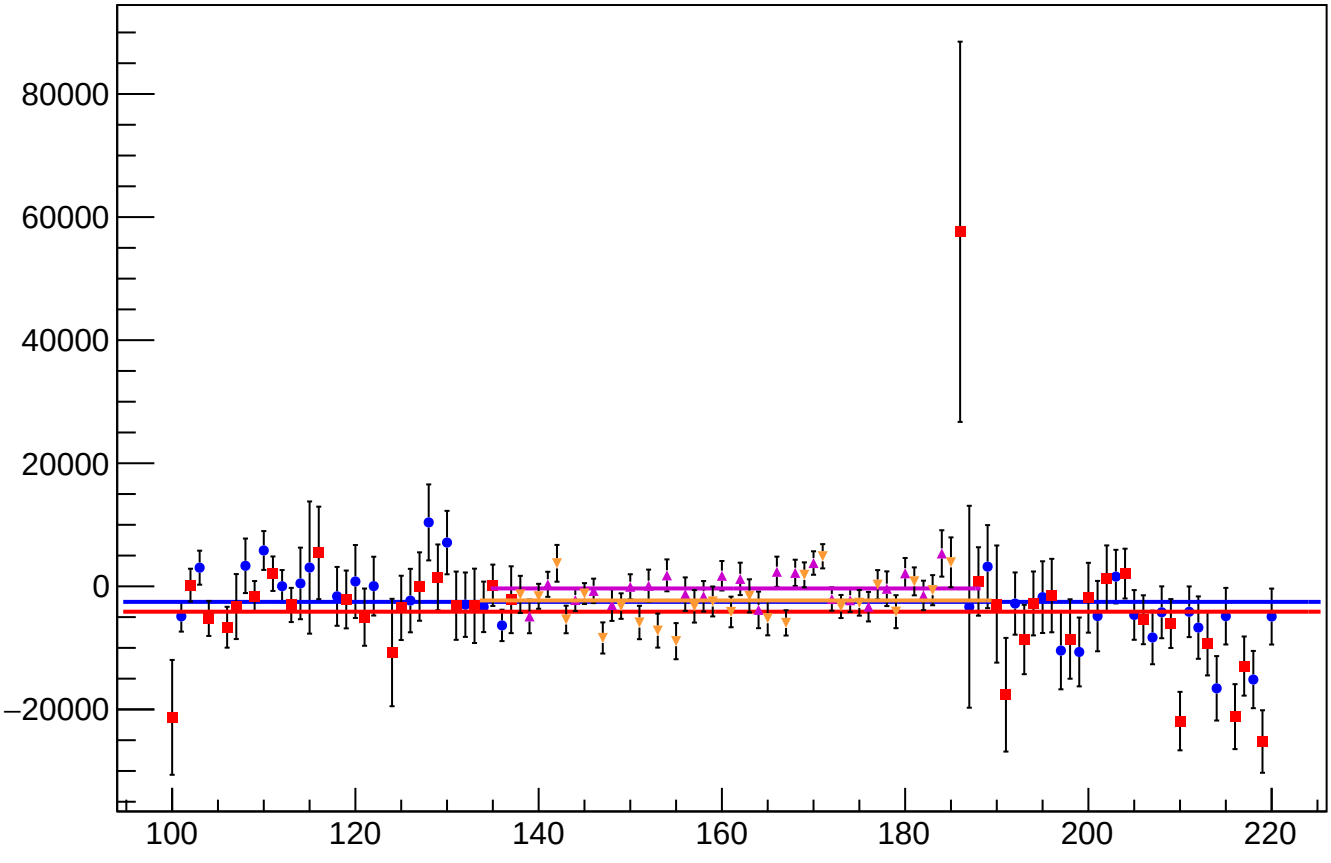
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 303.070+/-0.035 χ^2/NDF: 3503894.4/57

All: 301.980+/-0.025 χ^2/NDF: 7787064.5/117

- sign 300.873+/-0.035 χ^2/NDF: 4281184.4/59

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -2524.642+/-750.030 χ^2/NDF: 49.6/32

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -4121.175+/-733.092 χ^2/NDF: 76.9/36

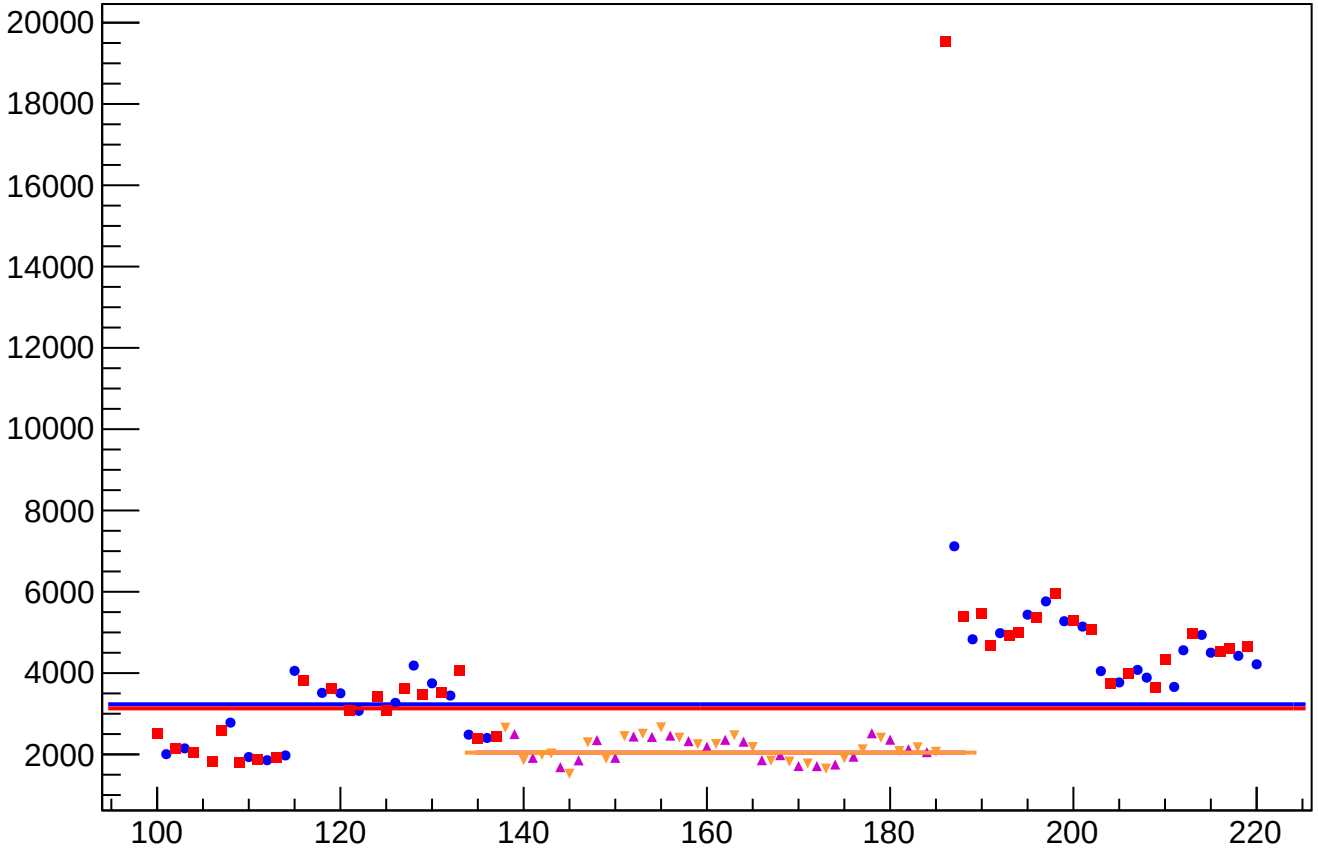
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -2356.972+/-398.579 χ^2/NDF: 101.3/57

All: -1928.182+/-283.625 χ^2/NDF: 221.9/117

- sign -1488.345+/-403.681 χ^2/NDF: 118.2/59

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 3232.060+/-0.530 χ^2/NDF: 4717702.6/32

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

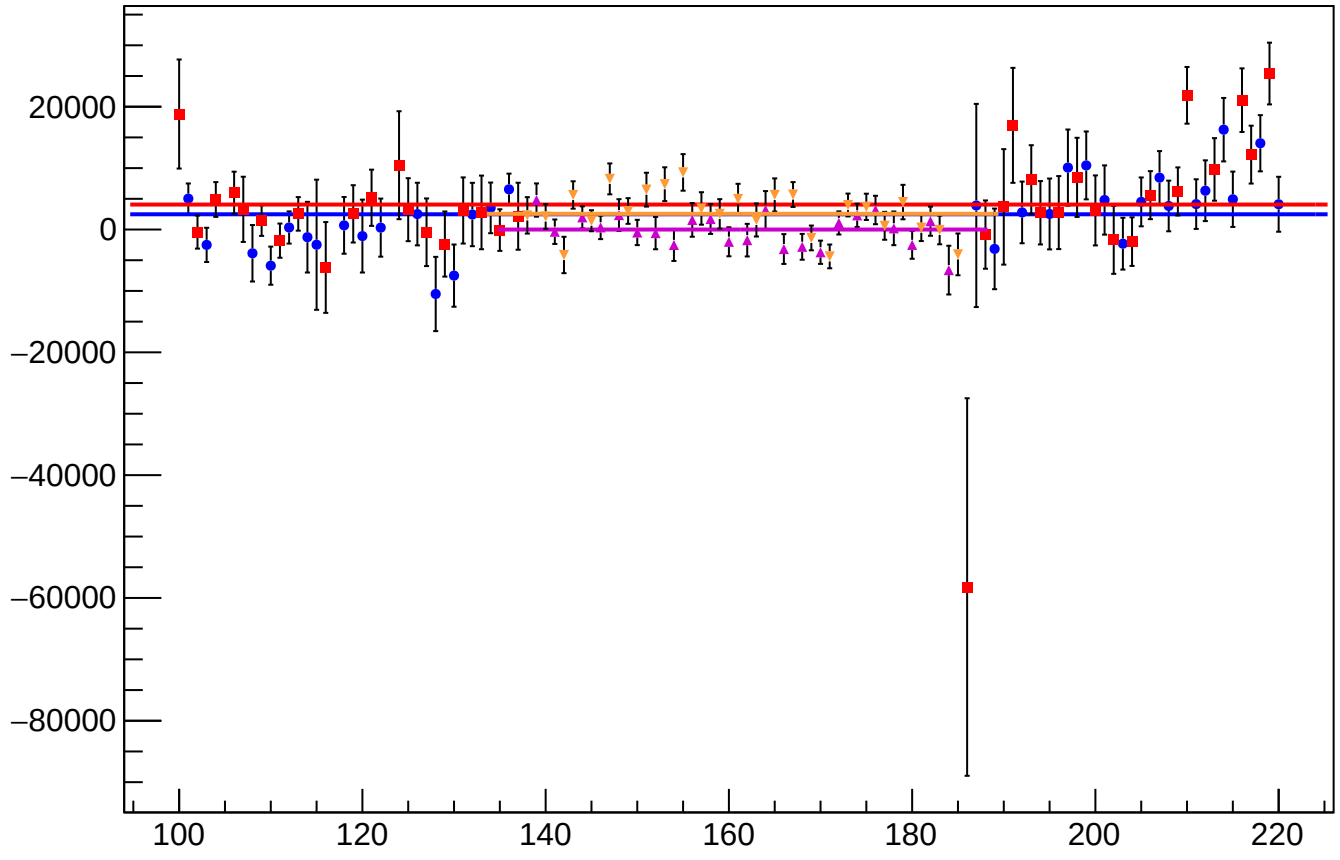
Right Out: 3131.319+/-0.518 χ^2/NDF: 6323654.8/36

Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2379.329+/-0.282 χ^2/NDF: 9173703.2/57

All: 2376.953+/-0.201 χ^2/NDF: 19246745.0/1

- sign 2374.516+/-0.285 χ^2/NDF: 10072897.9/59



Right In: 2480.479+/-744.018 χ^2/NDF: 49.3/32

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 4066.026+/-729.621 χ^2/NDF: 78.0/36

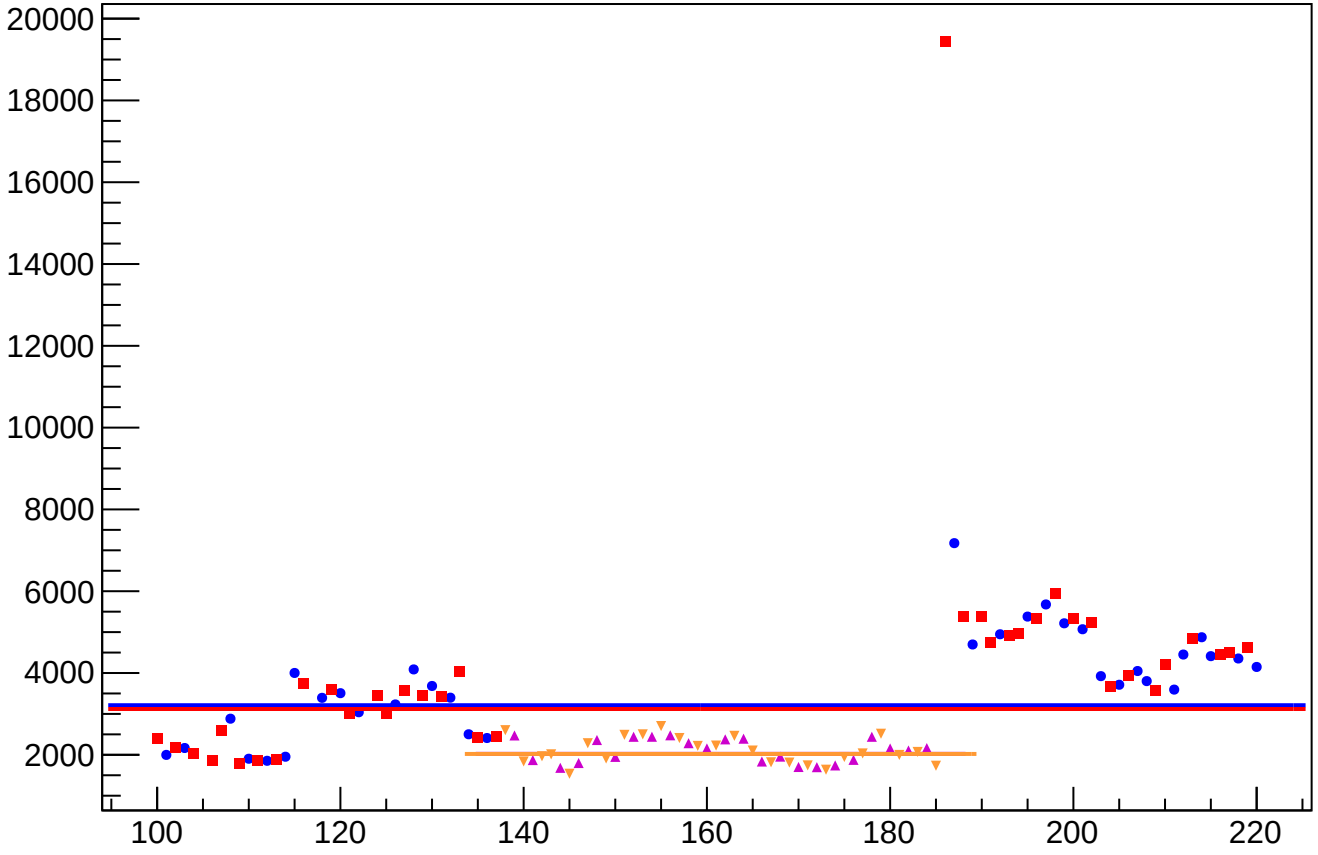
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2536.914+/-394.897 χ^2/NDF: 102.0/57

All: 1887.366+/-281.068 χ^2/NDF: 231.8/117

- sign 1220.469+/-400.136 χ^2/NDF: 124.4/59

asym_sam4_rms vs Slug



Right In: 3212.550+/-0.526 χ^2/NDF: 4543535.1/32

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 3120.108+/-0.516 χ^2/NDF: 6215771.5/36

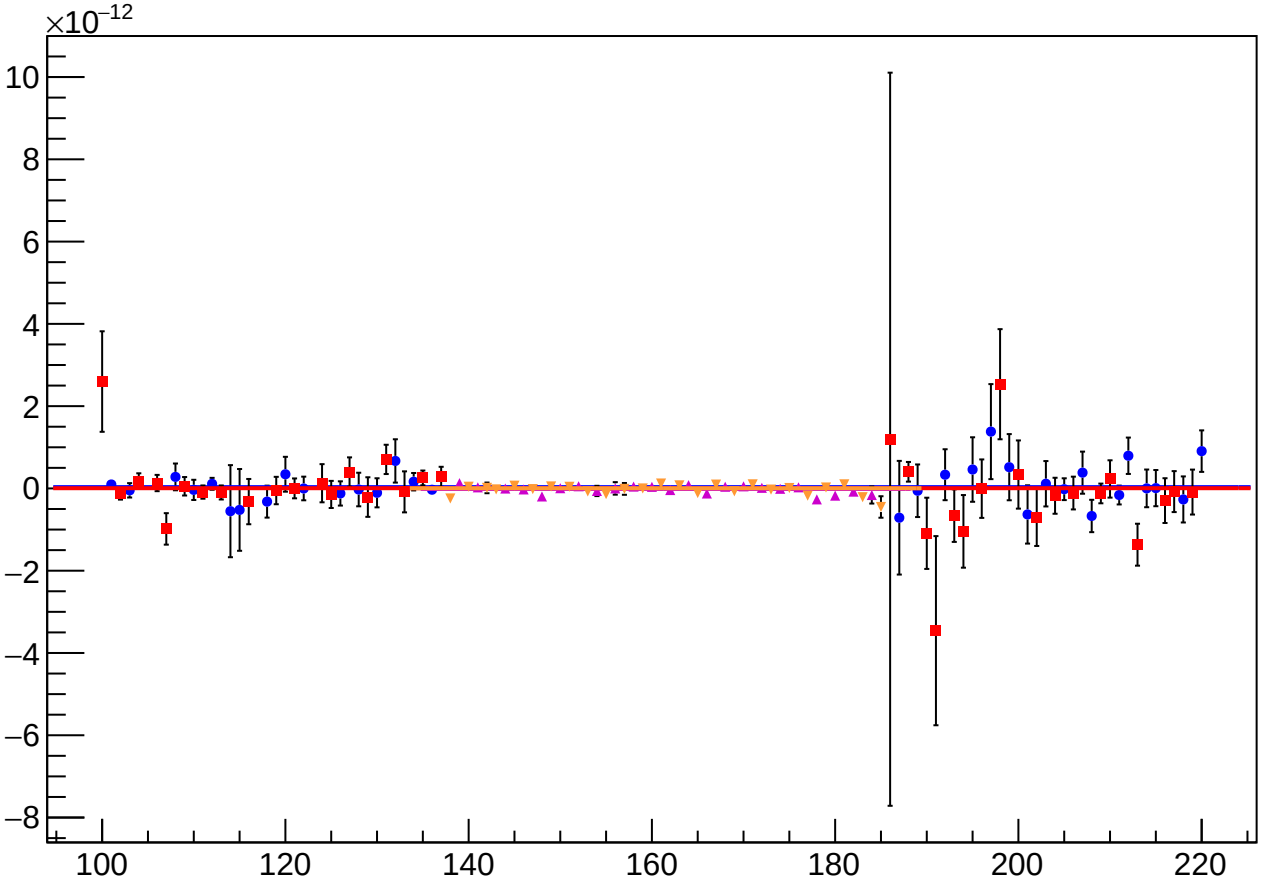
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2356.862+/-0.279 χ^2/NDF: 9107838.0/57

All: 2355.037+/-0.199 χ^2/NDF: 19180104.5/1

- sign 2353.165+/-0.283 χ^2/NDF: 10072180.1/59

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

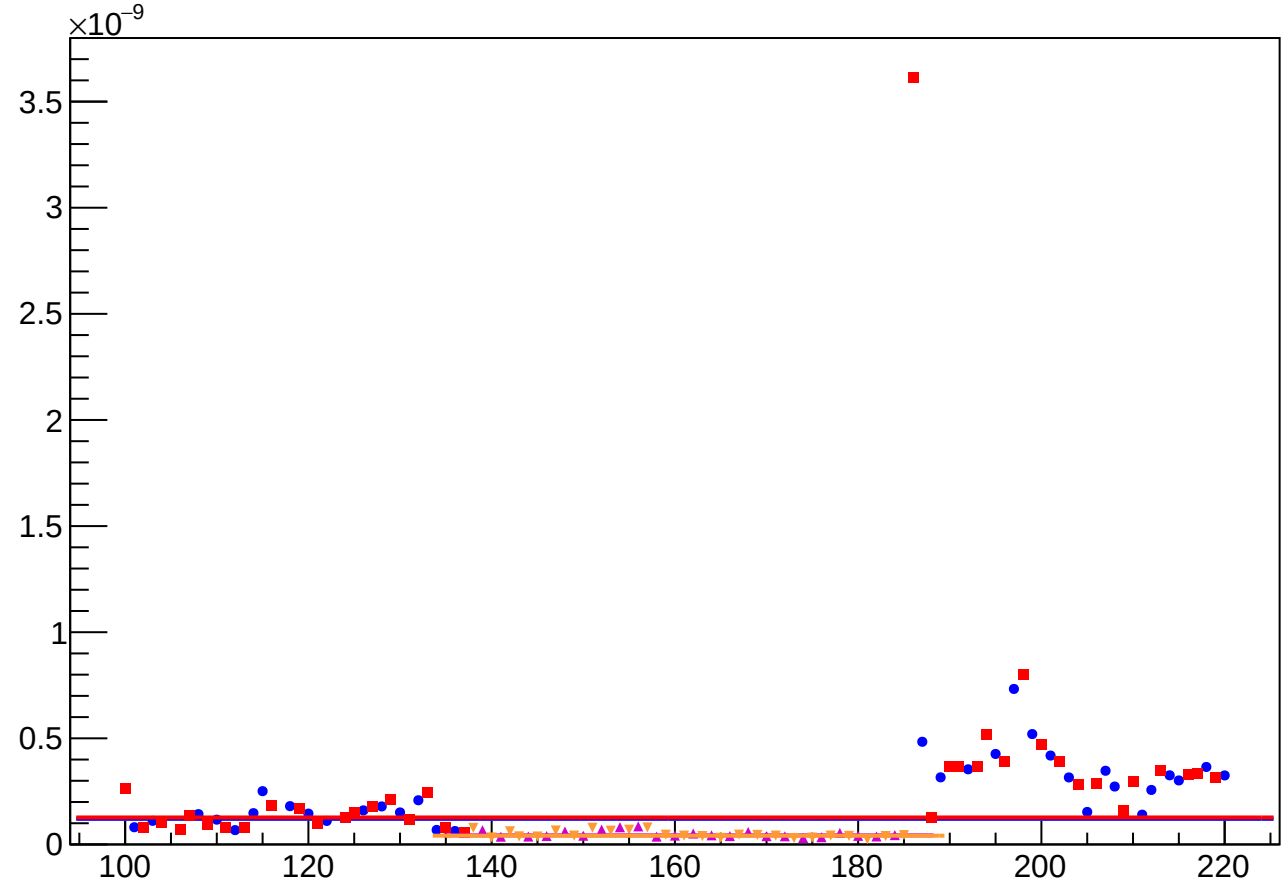
Right Out: 0.000+/-0.000 χ^2/NDF: 45.7/36

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.7/57

All: -0.000+/-0.000 χ^2/NDF: 119.9/117

- sign -0.000+/-0.000 χ^2/NDF: 66.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 6536793.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6155754.5/36

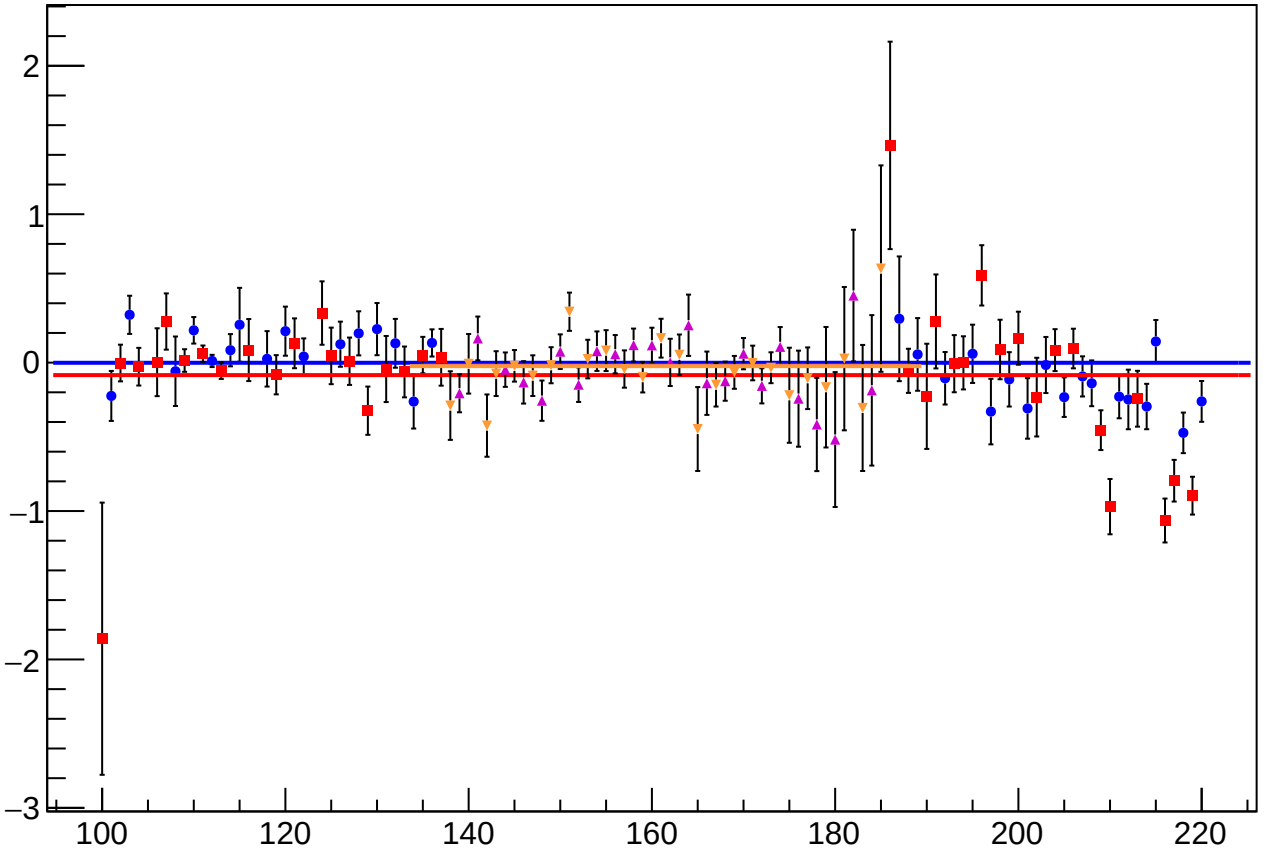
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12796533.4/57

All: 0.000+/-0.000 χ^2/NDF: 24957515.2/117

- sign 0.000+/-0.000 χ^2/NDF: 12138446.2/59

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.023 χ^2/NDF: 61.0/32

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.084+/-0.022 χ^2/NDF: 192.9/36

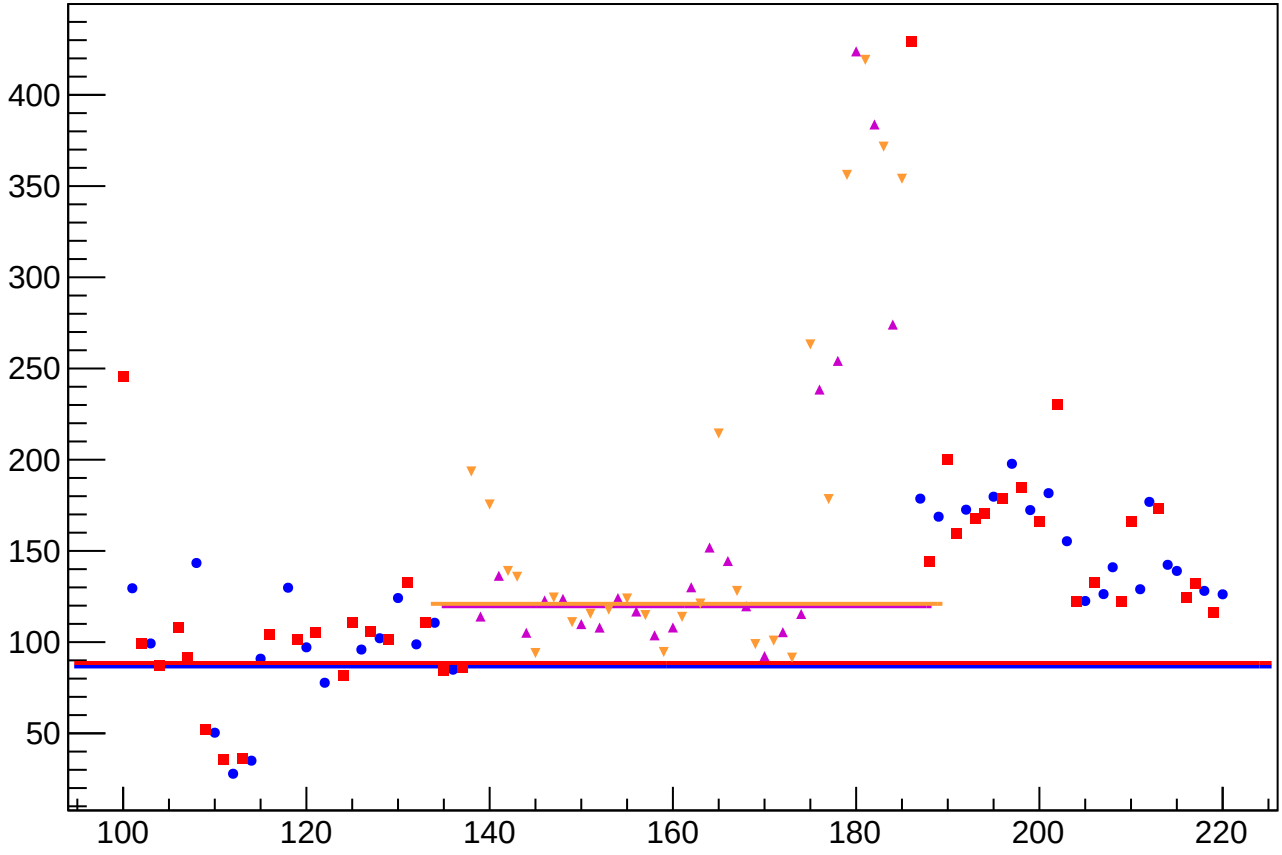
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign -0.009+/-0.018 χ^2/NDF: 83.6/57

All: -0.035+/-0.013 χ^2/NDF: 306.6/117

- sign -0.061+/-0.018 χ^2/NDF: 218.9/59

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 86.664+/-0.016 χ^2/NDF: 10328416.4/32

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 88.566+/-0.016 χ^2/NDF: 9621306.1/36

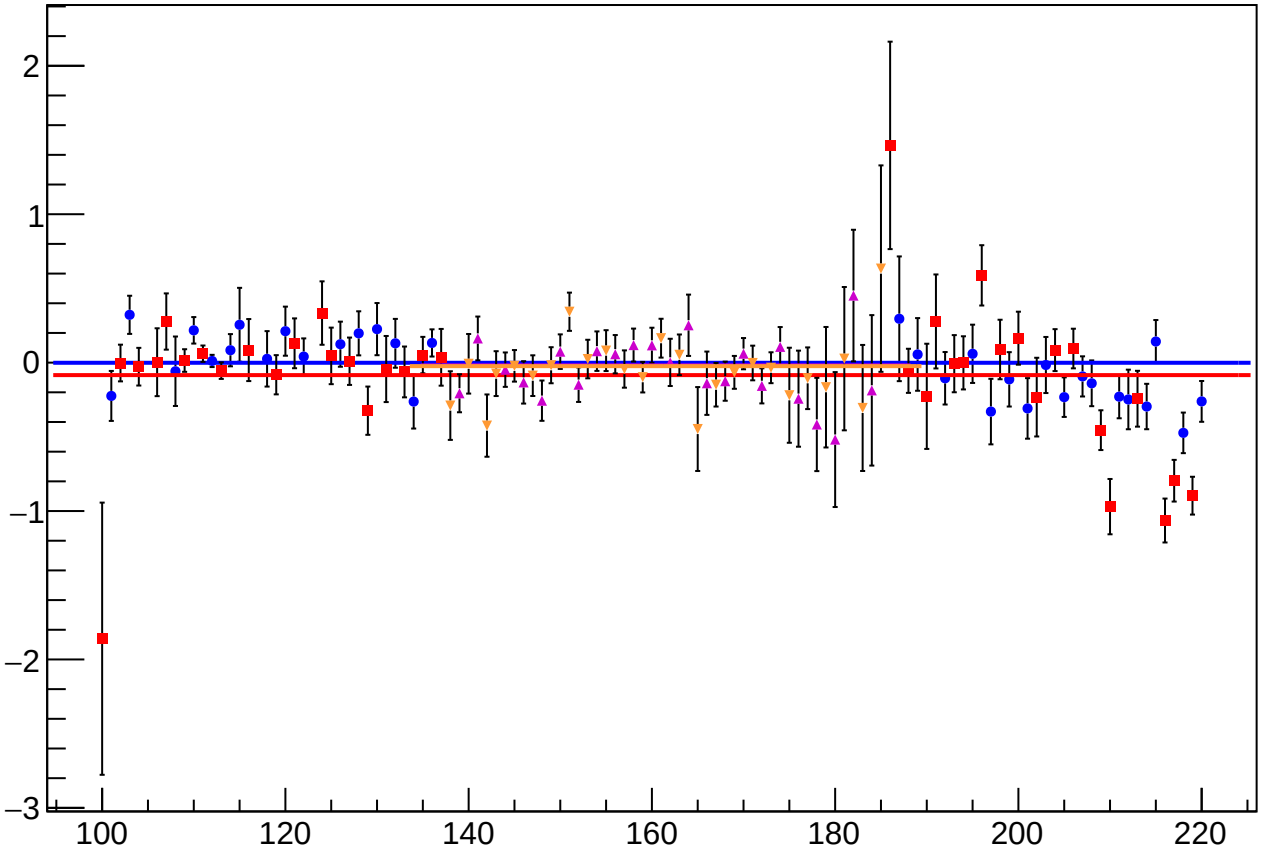
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 99.077+/-0.013 χ^2/NDF: 16107210.7/57

All: 99.352+/-0.009 χ^2/NDF: 29933458.9/117

- sign 99.628+/-0.013 χ^2/NDF: 13825312.1/59

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.023 χ^2/NDF: 61.0/32

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.084+/-0.022 χ^2/NDF: 192.9/36

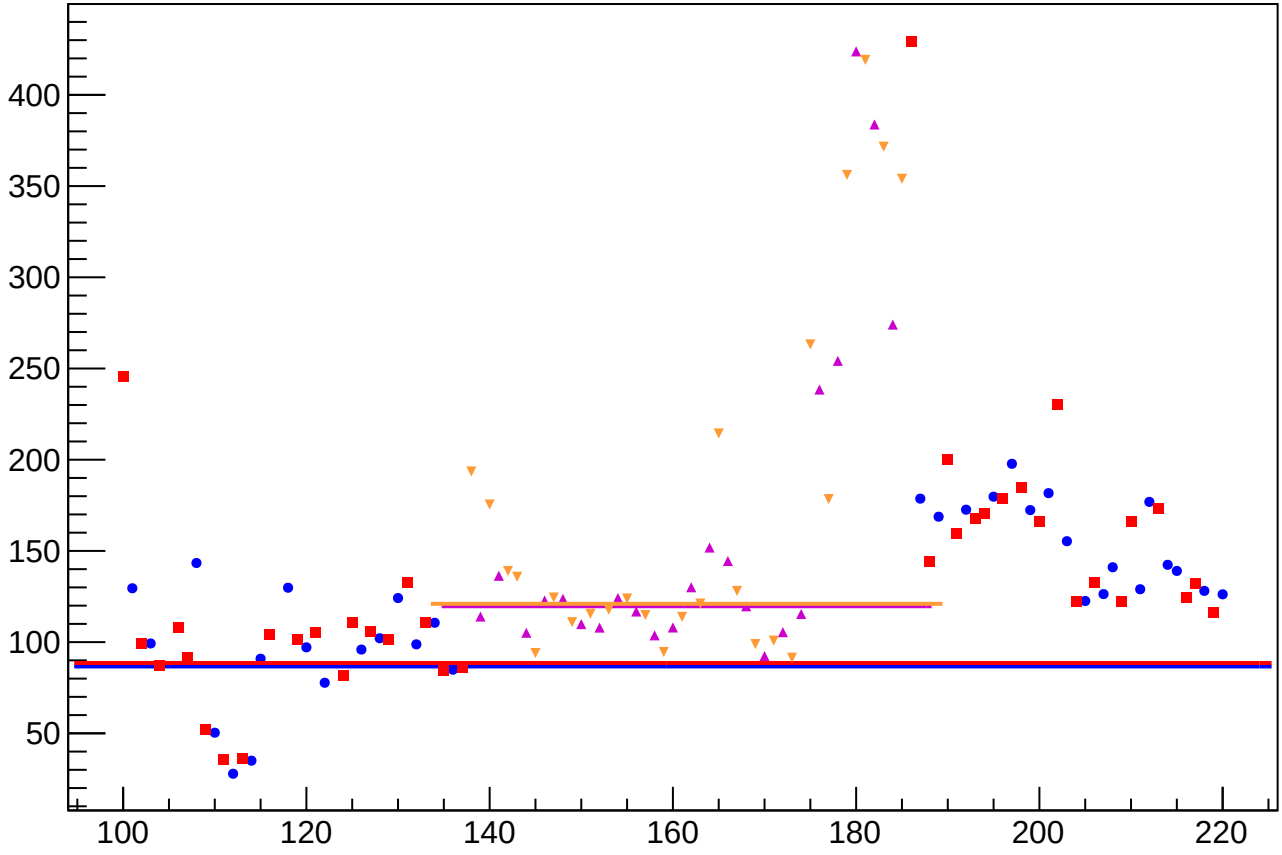
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign -0.009+/-0.018 χ^2/NDF: 83.6/57

All: -0.035+/-0.013 χ^2/NDF: 306.6/117

- sign -0.061+/-0.018 χ^2/NDF: 218.9/59

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 86.664+/-0.016 χ^2/NDF: 10328416.4/32

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

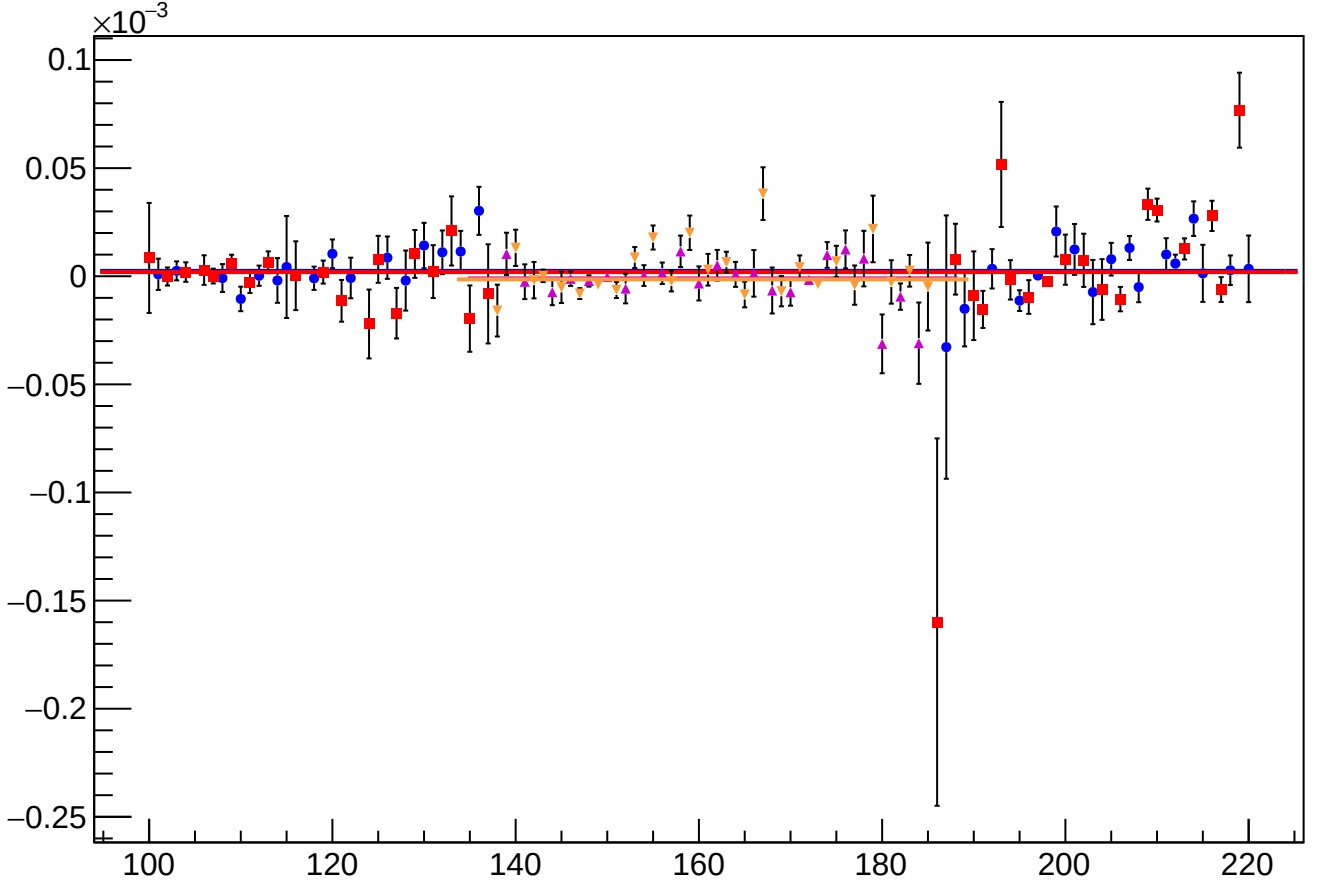
Right Out: 88.566+/-0.016 χ^2/NDF: 9621306.1/36

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 99.077+/-0.013 χ^2/NDF: 16107210.7/57

All: 99.352+/-0.009 χ^2/NDF: 29933458.9/117

- sign 99.628+/-0.013 χ^2/NDF: 13825312.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 47.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 127.2/36

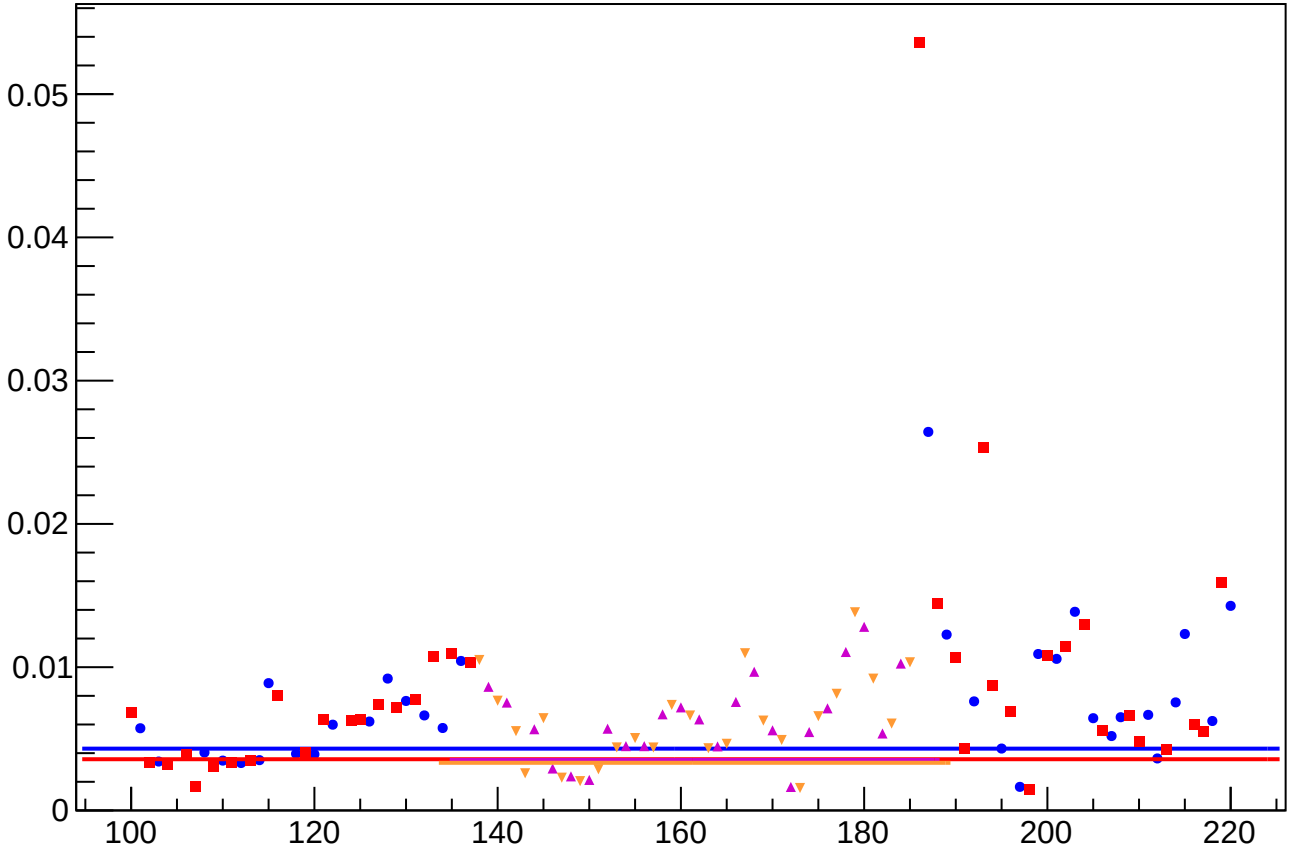
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 115.6/57

All: 0.000+/-0.000 χ^2/NDF: 271.9/117

- sign 0.000+/-0.000 χ^2/NDF: 156.1/59

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 10468573.4/32

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 14817881.3/36

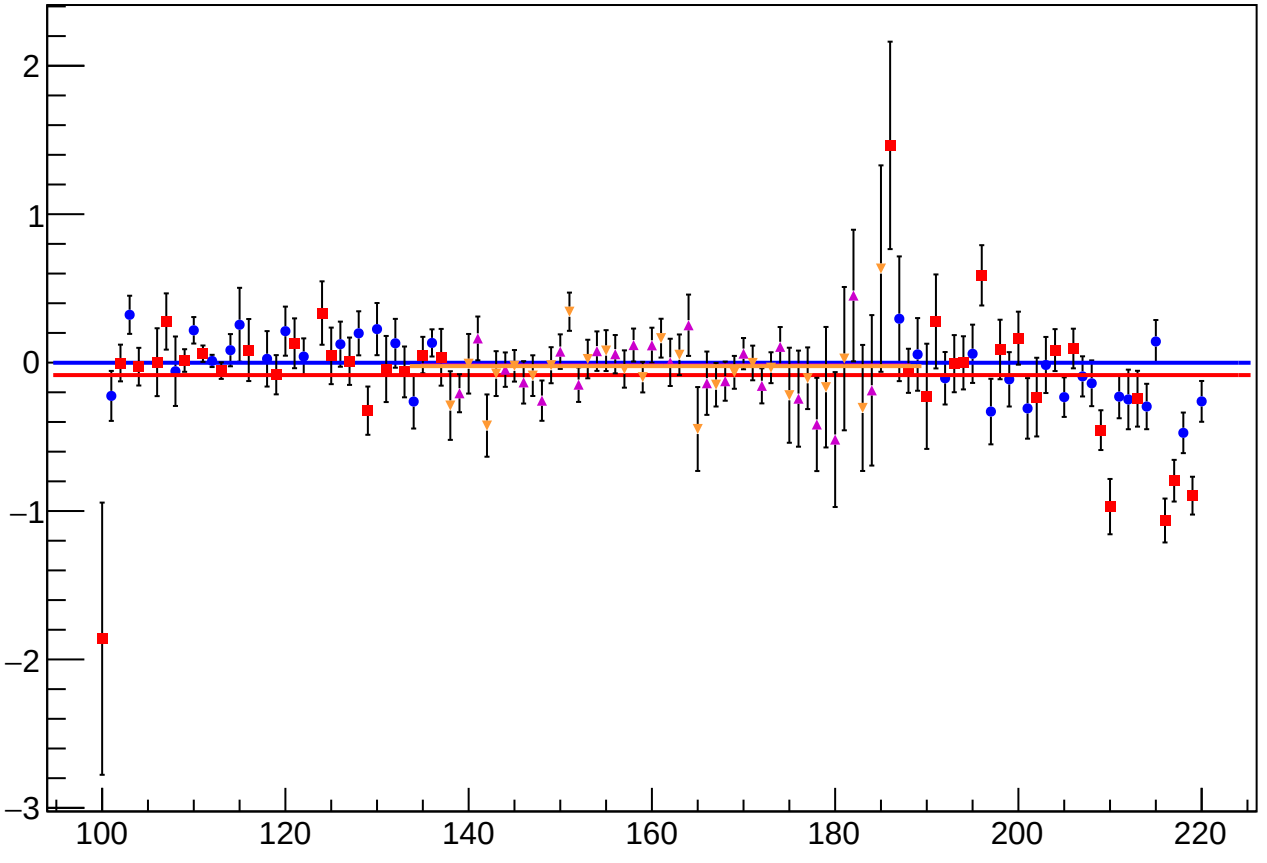
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 21891509.4/57

All: 0.004+/-0.000 χ^2/NDF: 46193914.3/117

- sign 0.004+/-0.000 χ^2/NDF: 24247228.8/59

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.023 χ^2/NDF: 61.0/32

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.084+/-0.022 χ^2/NDF: 192.8/36

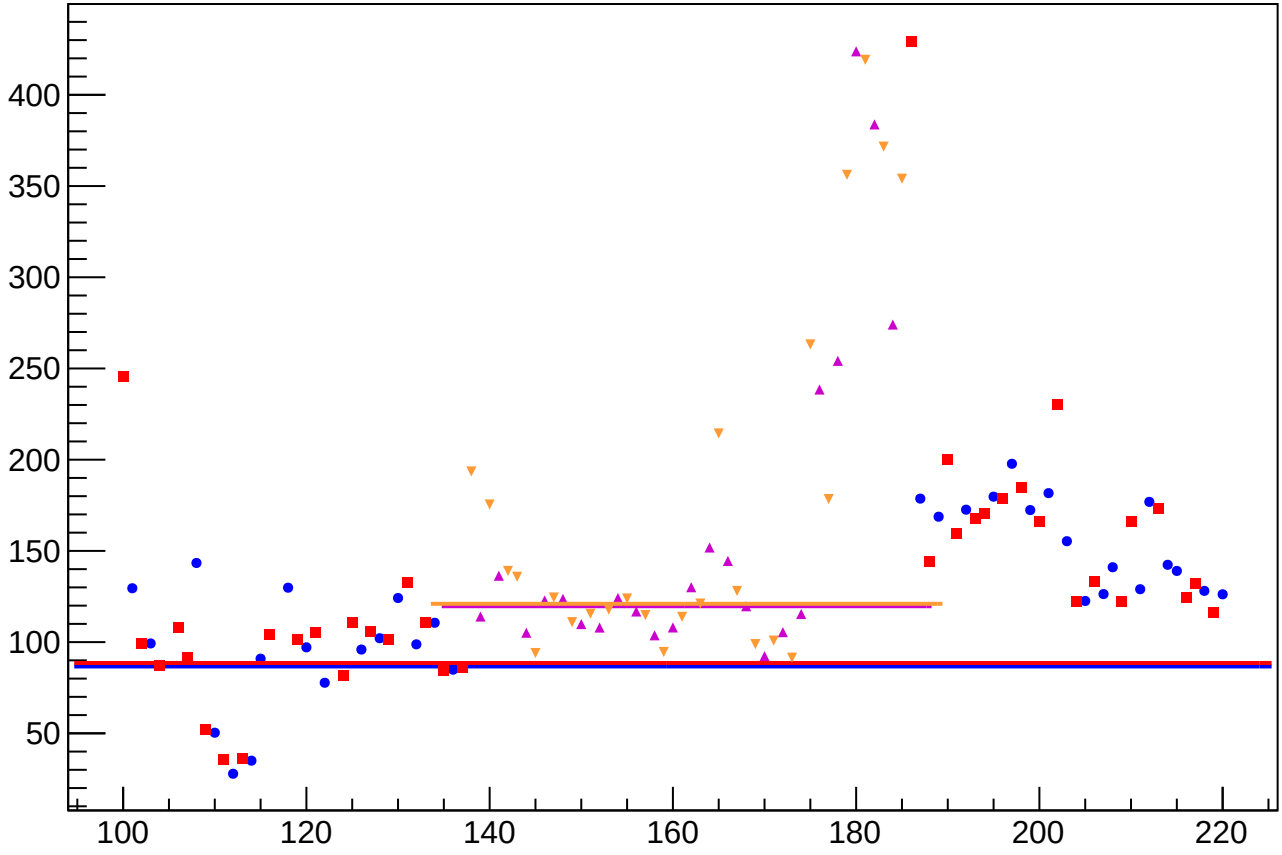
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign -0.009+/-0.018 χ^2/NDF: 83.6/57

All: -0.035+/-0.013 χ^2/NDF: 306.6/117

- sign -0.061+/-0.018 χ^2/NDF: 218.9/59

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 86.662+/-0.016 χ^2/NDF: 10328951.2/32

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 88.564+/-0.016 χ^2/NDF: 9621856.7/36

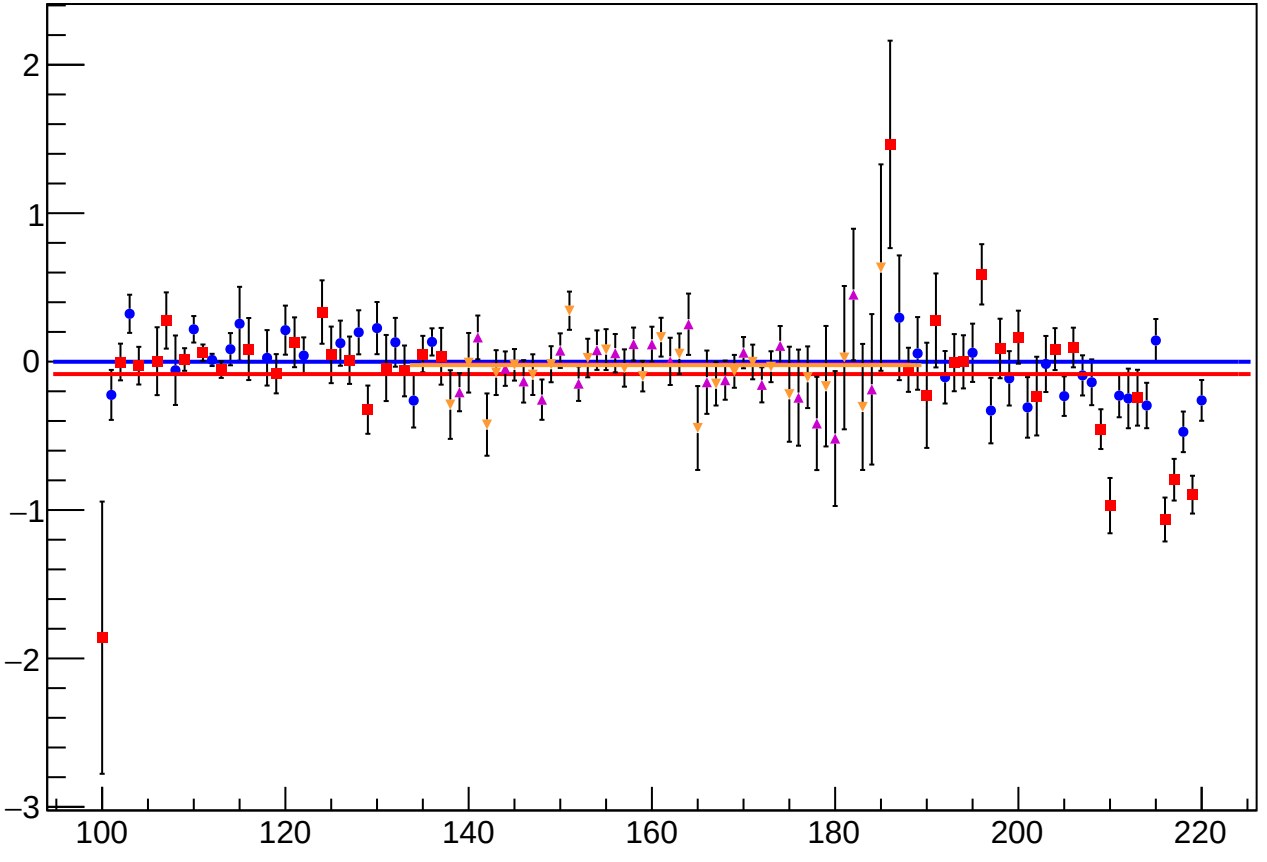
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 99.076+/-0.013 χ^2/NDF: 16108015.7/57

All: 99.351+/-0.009 χ^2/NDF: 29935003.1/117

- sign 99.627+/-0.013 χ^2/NDF: 13826050.1/59

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.023 χ^2/NDF: 61.0/32

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: -0.084+/-0.022 χ^2/NDF: 192.8/36

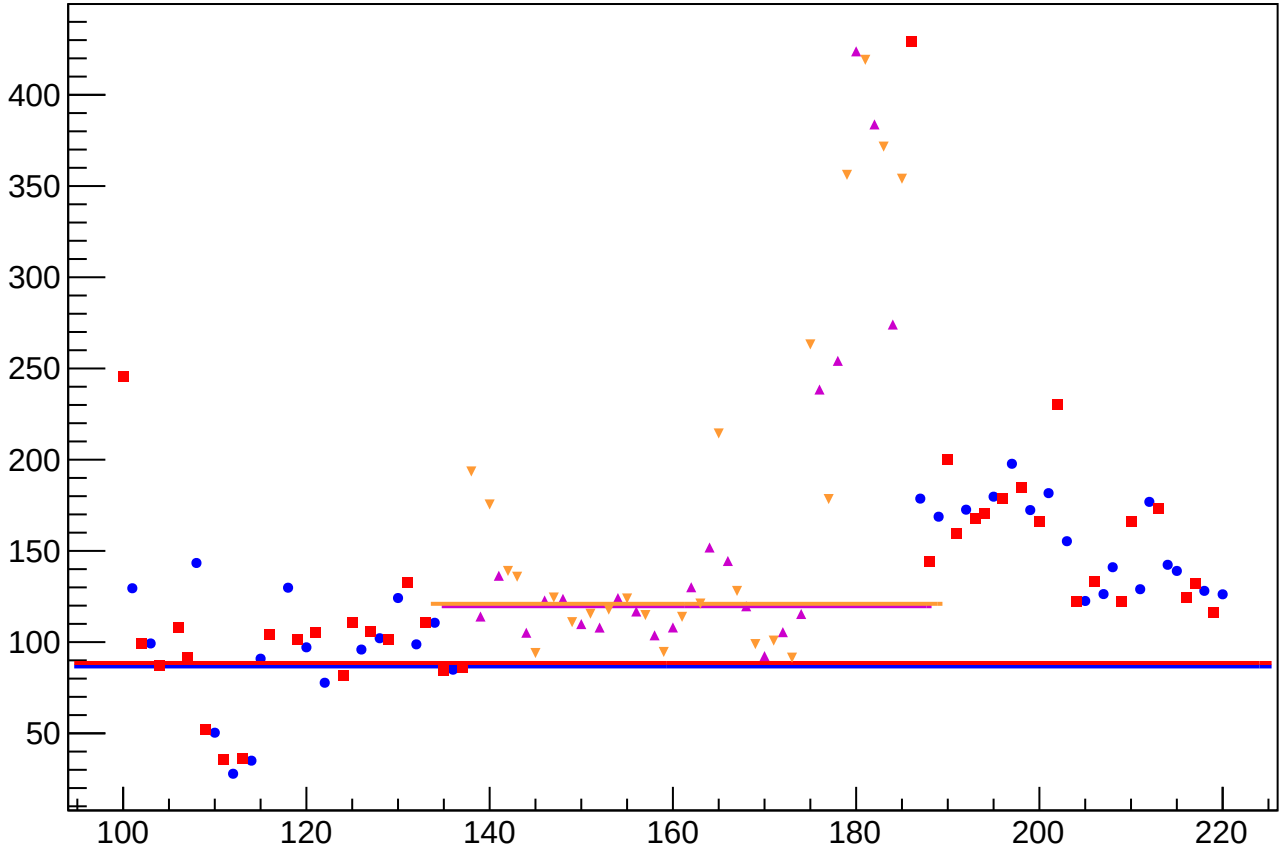
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign -0.009+/-0.018 χ^2/NDF: 83.6/57

All: -0.035+/-0.013 χ^2/NDF: 306.6/117

- sign -0.061+/-0.018 χ^2/NDF: 218.9/59

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 86.662+/-0.016 χ^2/NDF: 10328951.2/32

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 88.564+/-0.016 χ^2/NDF: 9621856.7/36

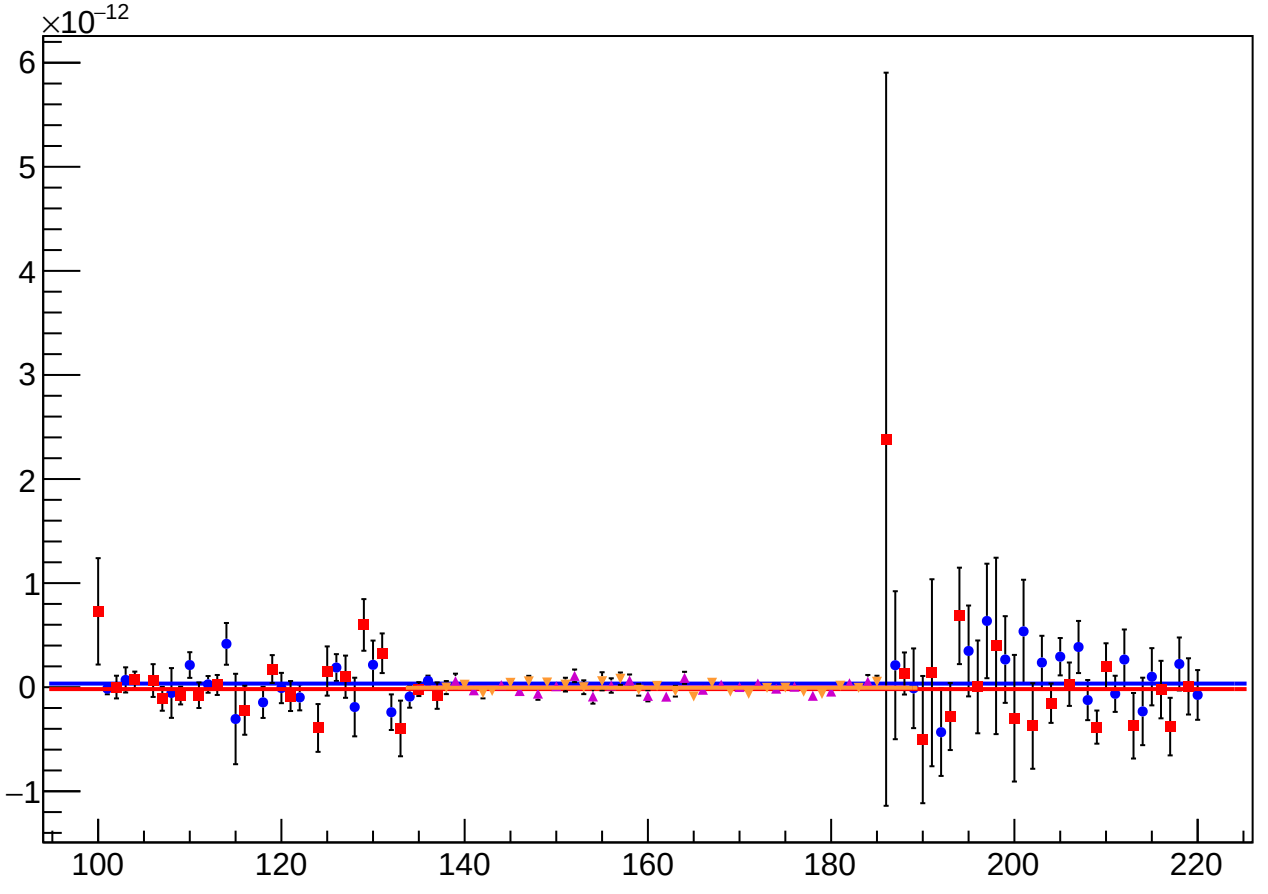
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 99.076+/-0.013 χ^2/NDF: 16108015.7/57

All: 99.351+/-0.009 χ^2/NDF: 29935003.1/117

- sign 99.627+/-0.013 χ^2/NDF: 13826050.1/59

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/32

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

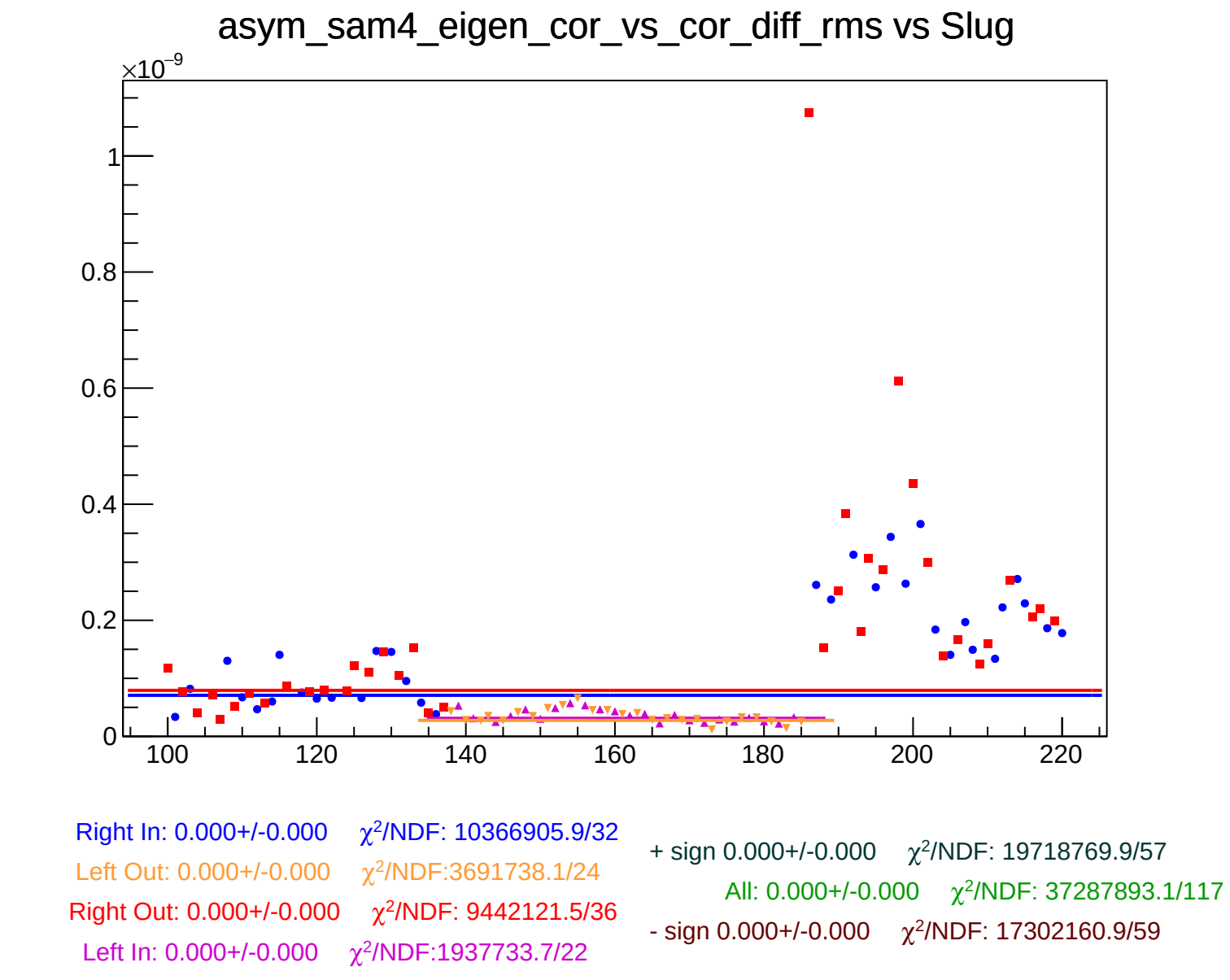
Right Out: -0.000+/-0.000 χ^2/NDF: 39.2/36

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

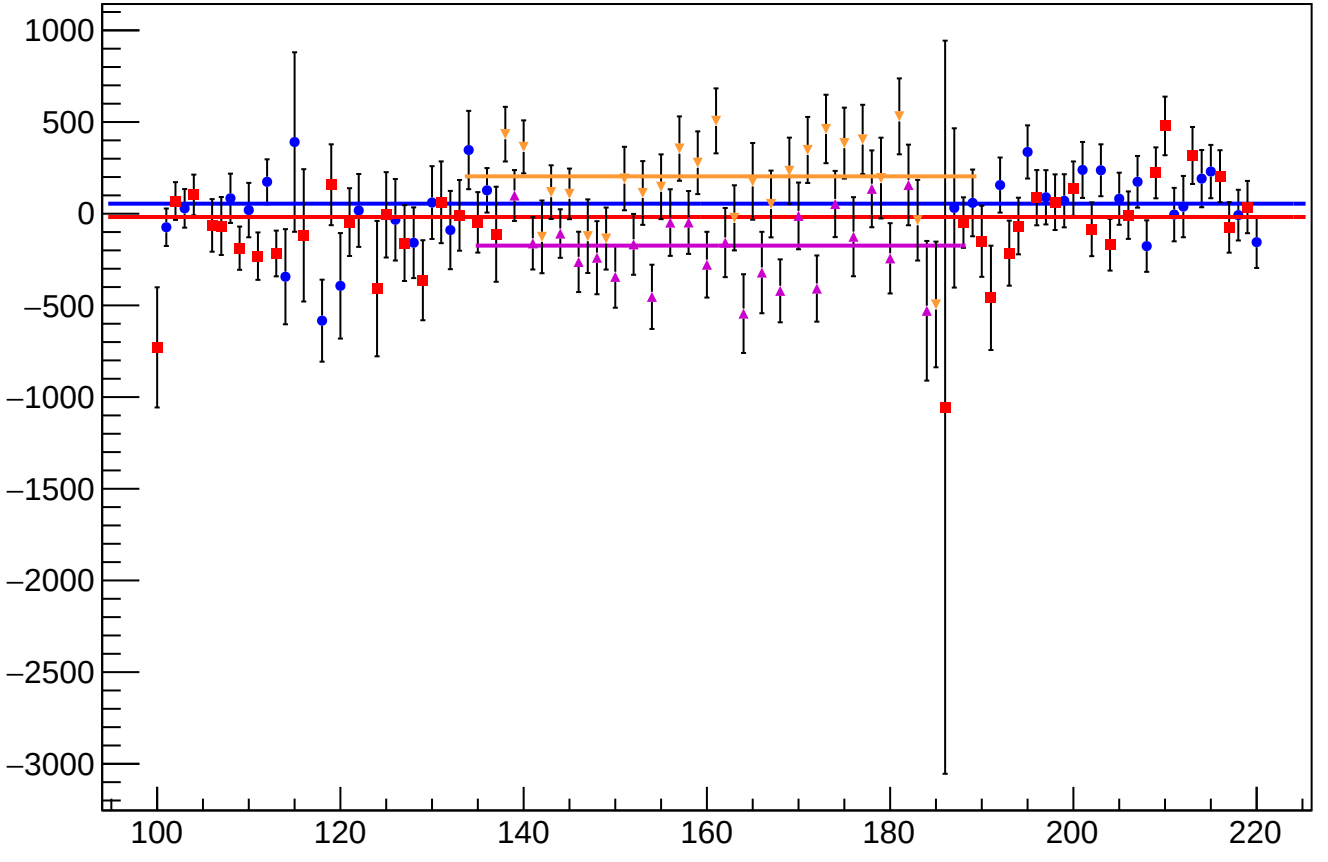
+ sign -0.000+/-0.000 χ^2/NDF: 53.8/57

All: -0.000+/-0.000 χ^2/NDF: 120.9/117

- sign -0.000+/-0.000 χ^2/NDF: 67.1/59


asym_sam4_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 10366905.9/32
Left Out: 0.000+/-0.000 χ²/NDF:3691738.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 9442121.5/36
Left In: 0.000+/-0.000 χ²/NDF:1937733.7/22
+ sign 0.000+/-0.000 χ²/NDF: 19718769.9/57
All: 0.000+/-0.000 χ²/NDF: 37287893.1/117
- sign 0.000+/-0.000 χ²/NDF: 17302160.9/59

reg_asym_sam5_mean vs Slug



Right In: 54.761+/-27.194 χ^2/NDF: 35.9/32

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -17.917+/-26.398 χ^2/NDF: 47.1/36

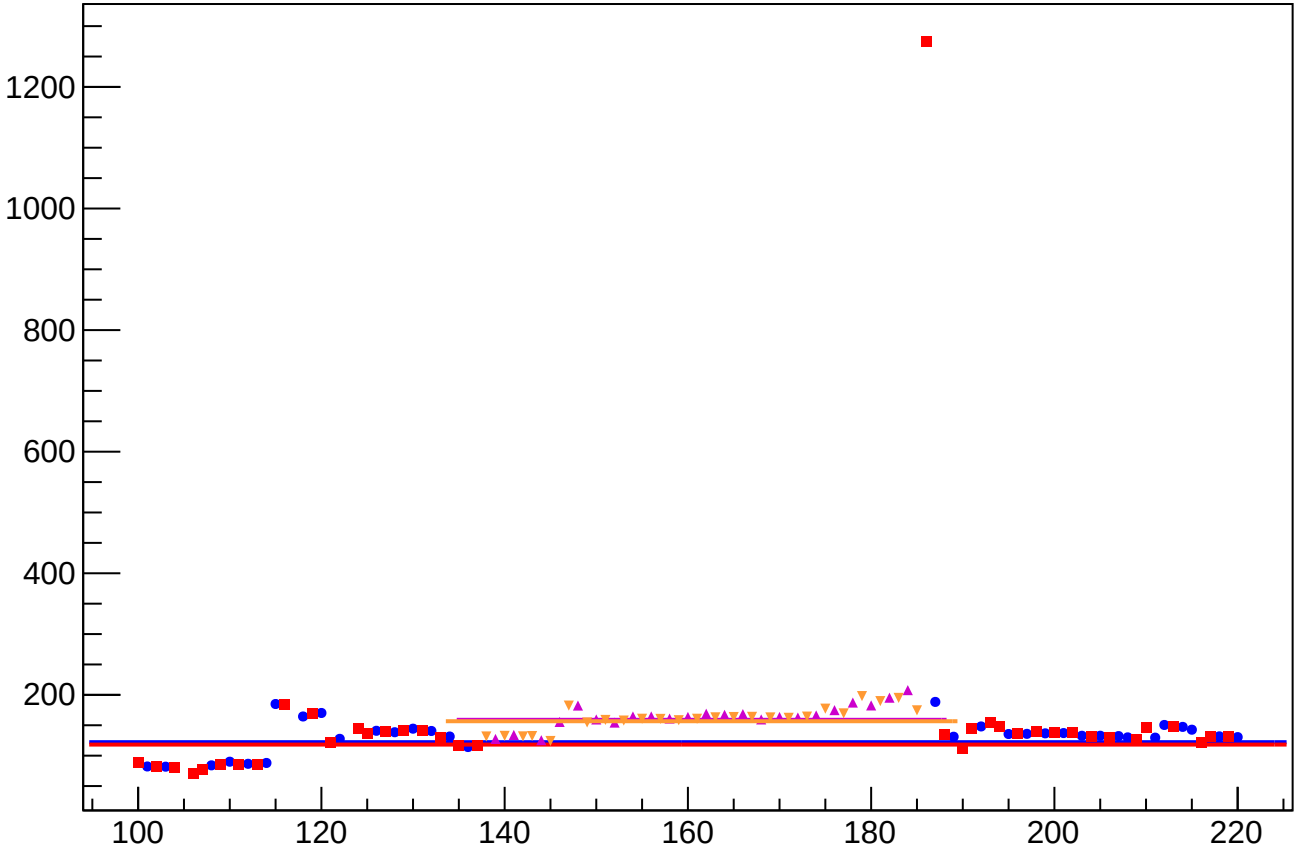
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 109.128+/-21.672 χ^2/NDF: 79.7/57

All: 19.232+/-15.287 χ^2/NDF: 197.2/117

- sign -69.801+/-21.568 χ^2/NDF: 83.3/59

reg_asym_sam5_rms vs Slug



Right In: 122.157+/-0.019 χ^2/NDF: 1693344.6/32

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 118.217+/-0.019 χ^2/NDF: 2763511.6/36

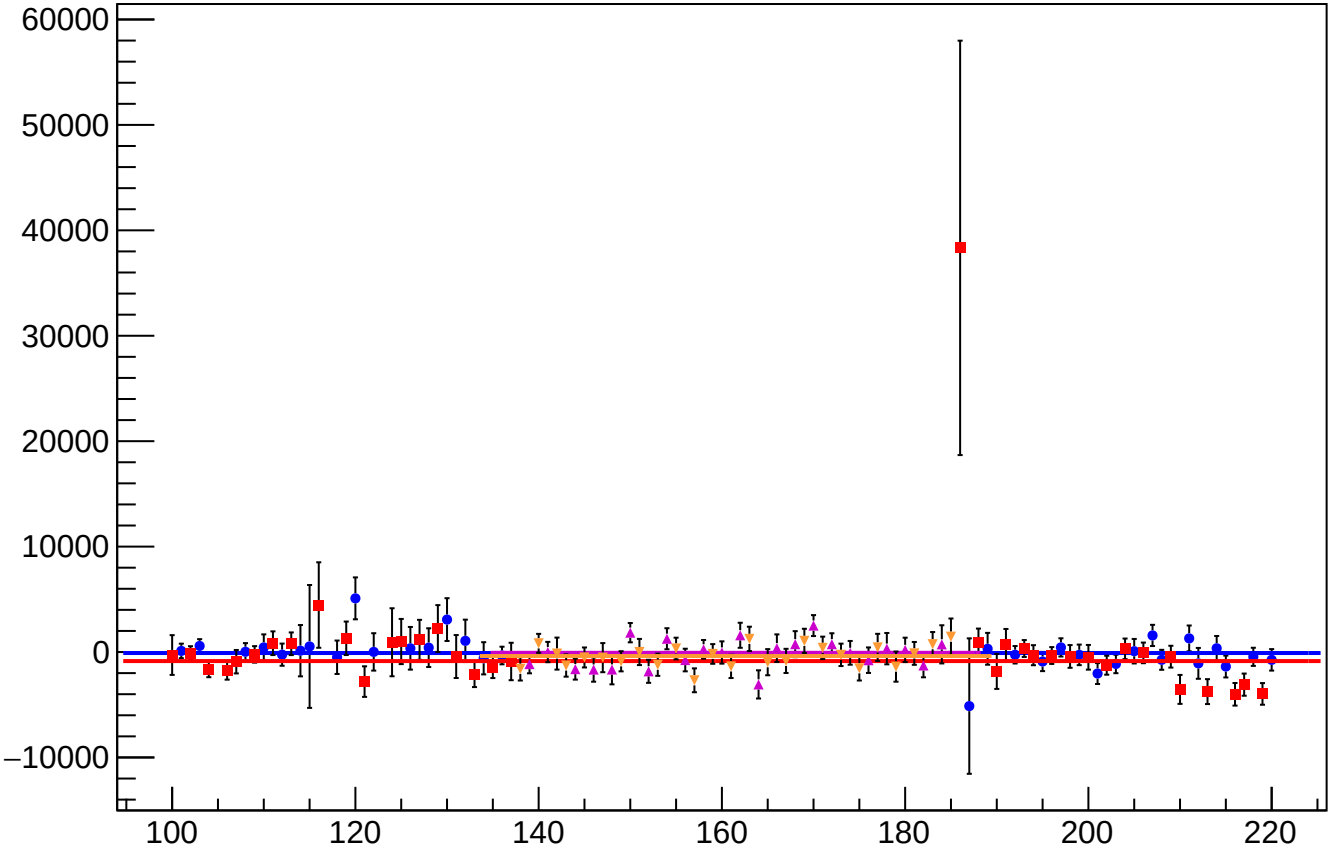
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.739+/-0.015 χ^2/NDF: 3448981.4/57

All: 133.242+/-0.011 χ^2/NDF: 8326147.7/117

- sign 131.760+/-0.015 χ^2/NDF: 4858178.9/59

asym_sam5_reg_correction_mean vs Slug



Right In: -93.339+/-191.015 χ^2/NDF: 25.8/32

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -858.286+/-184.954 χ^2/NDF: 65.1/36

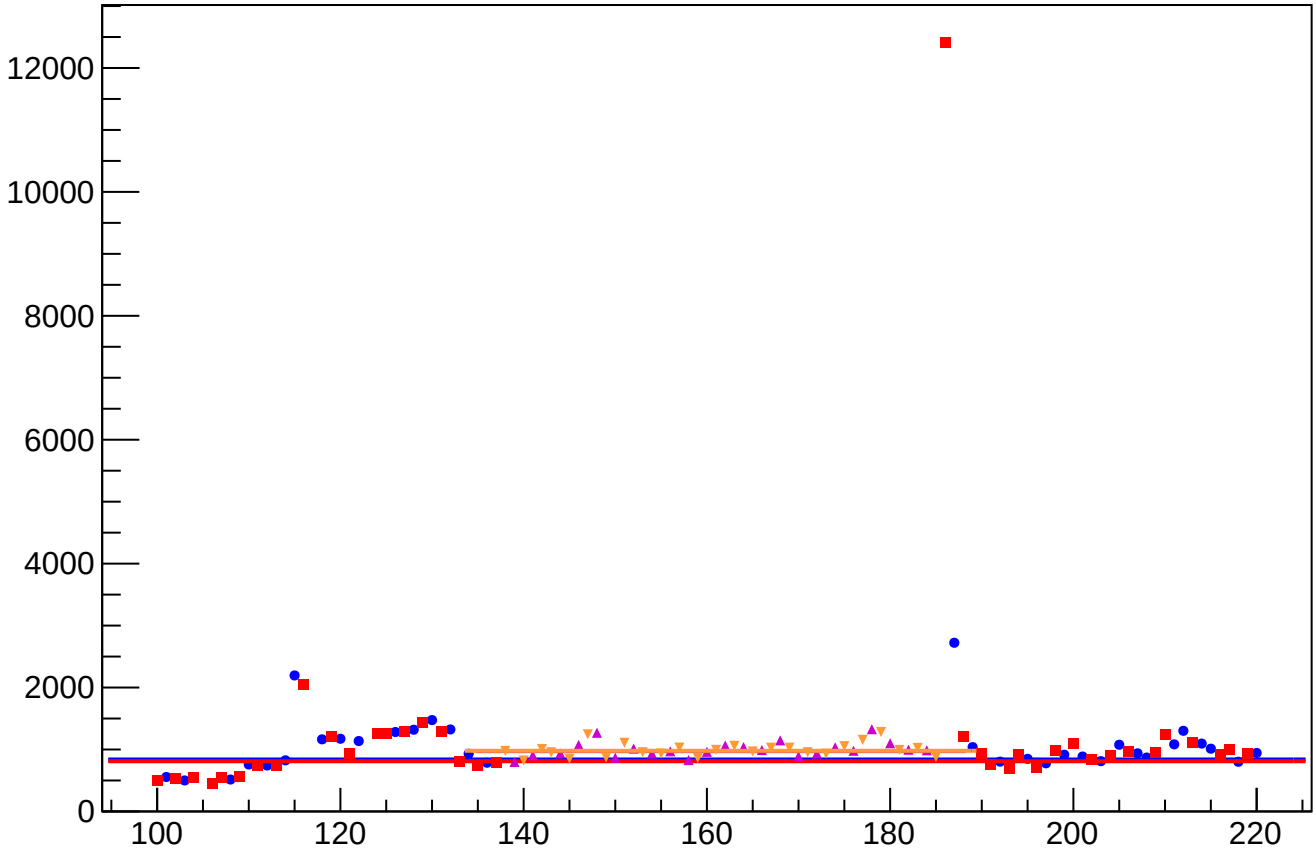
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -213.973+/-145.496 χ^2/NDF: 45.4/57

All: -383.688+/-102.377 χ^2/NDF: 153.3/117

- sign -550.119+/-144.080 χ^2/NDF: 105.2/59

asym_sam5_reg_correction_rms vs Slug



Right In: 839.057+/-0.135 χ^2/NDF: 2893695.3/32

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 810.289+/-0.131 χ^2/NDF: 3969042.6/36

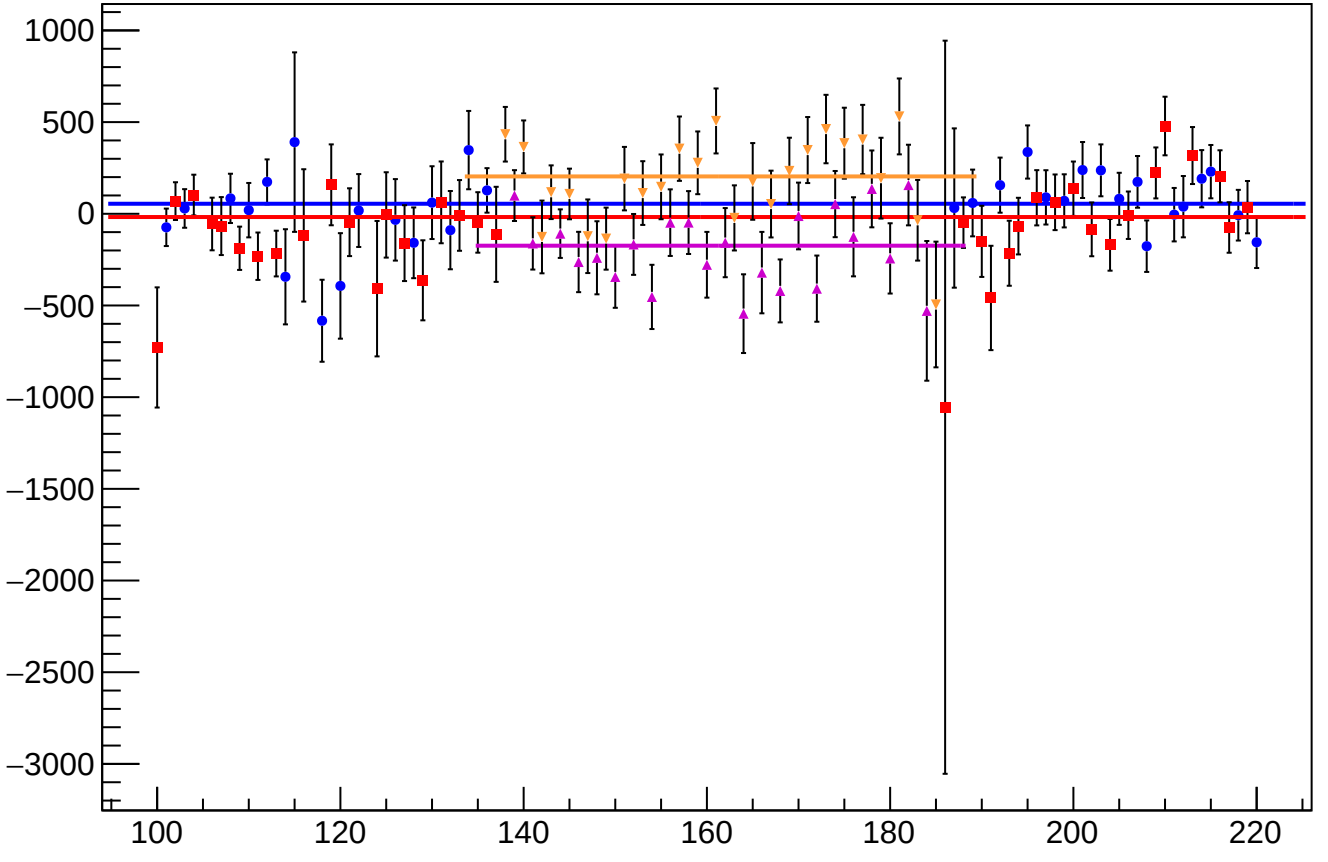
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 897.854+/-0.103 χ^2/NDF: 3774874.6/57

All: 886.103+/-0.072 χ^2/NDF: 8883043.1/117

- sign 874.580+/-0.102 χ^2/NDF: 5082329.6/59

cor_asym_sam5_mean vs Slug



Right In: 54.760+/-27.194 χ^2/NDF: 35.9/32

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -17.658+/-26.399 χ^2/NDF: 47.1/36

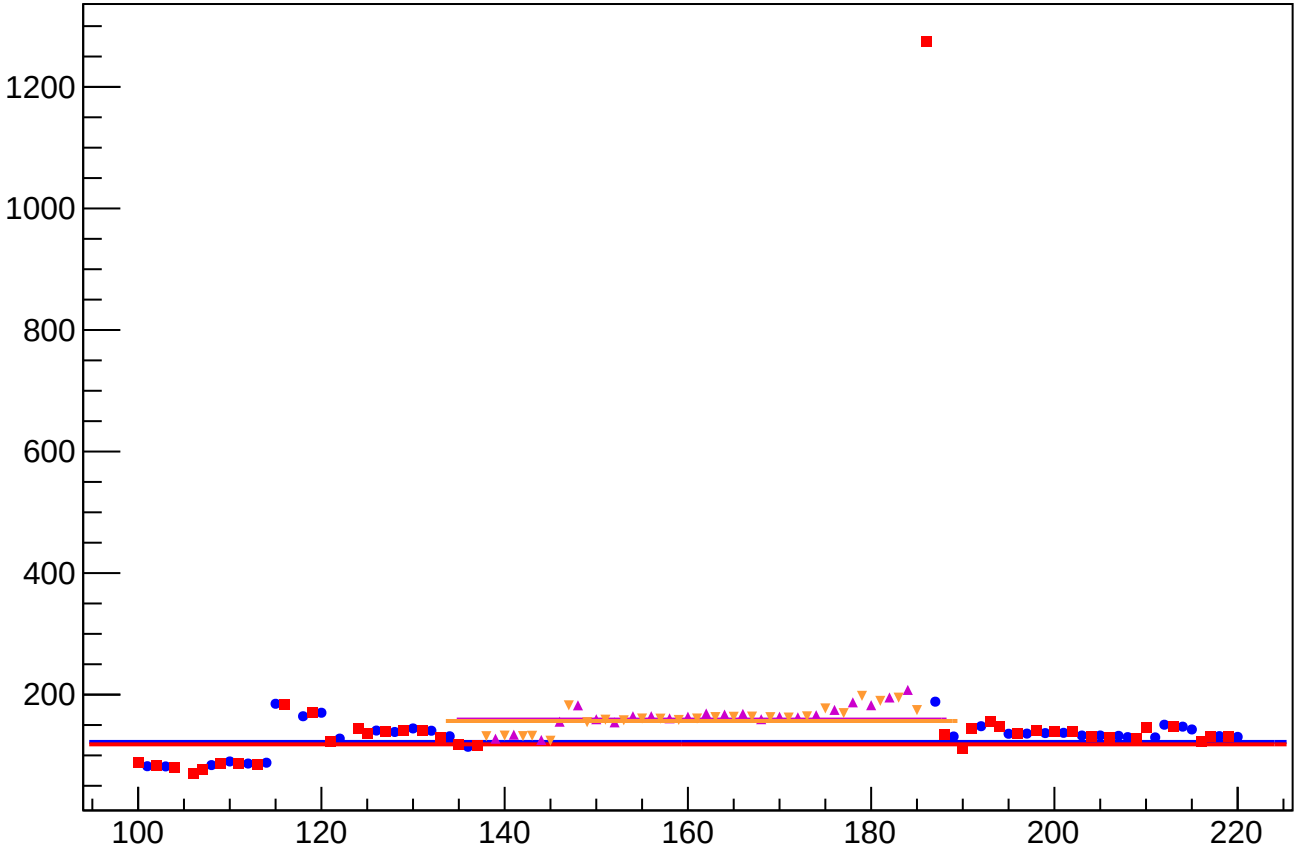
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

\+ sign 109.129+/-21.672 χ^2/NDF: 79.7/57

All: 19.320+/-15.288 χ^2/NDF: 197.2/117

\- sign -69.632+/-21.568 χ^2/NDF: 83.3/59

cor_asym_sam5_rms vs Slug



Right In: 122.157+/-0.019 χ^2/NDF: 1693343.2/32

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 118.206+/-0.019 χ^2/NDF: 2766874.0/36

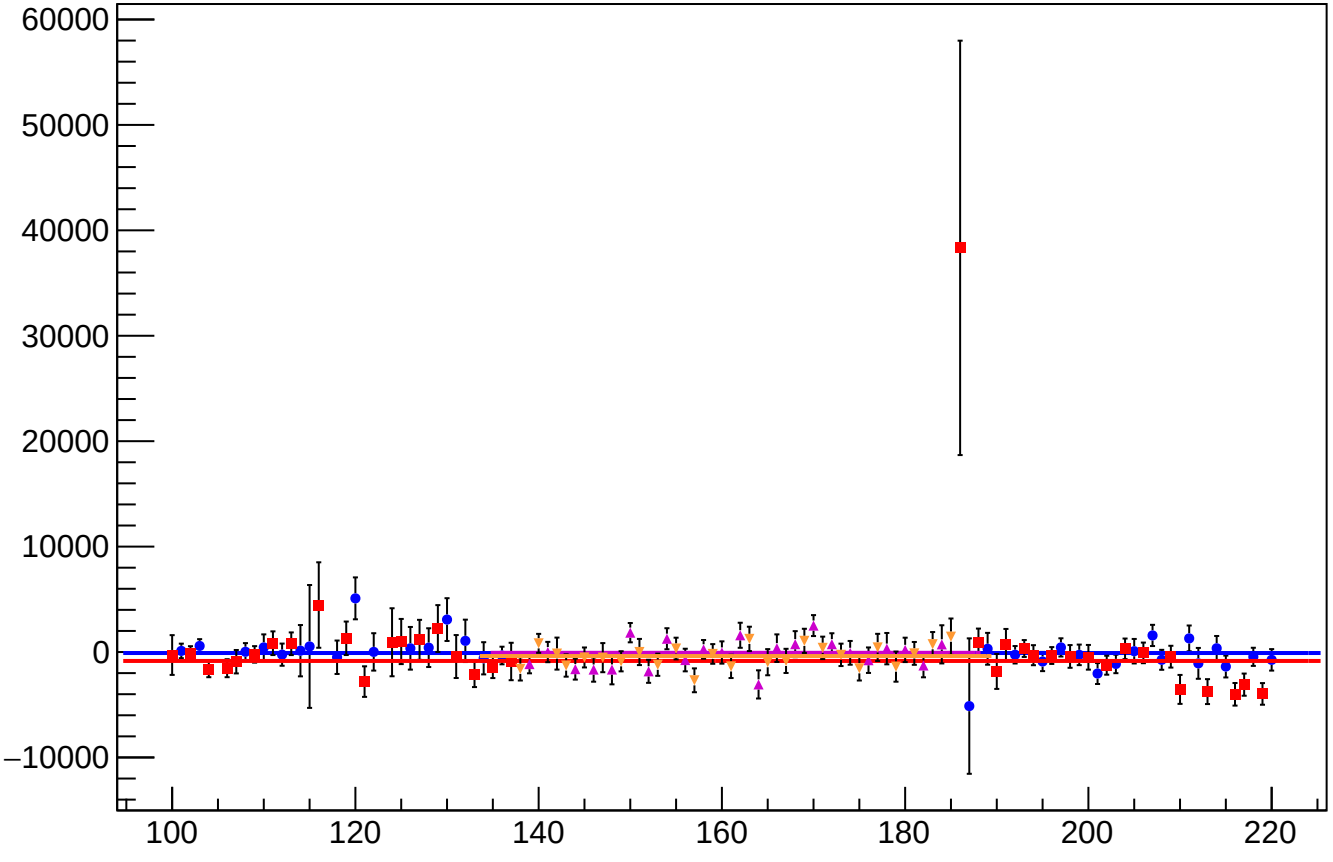
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.739+/-0.015 χ^2/NDF: 3448979.4/57

All: 133.239+/-0.011 χ^2/NDF: 8330352.4/117

- sign 131.753+/-0.015 χ^2/NDF: 4862306.2/59

asym_sam5_cor_correction_mean vs Slug



Right In: -93.336+/-191.015 χ^2/NDF: 25.8/32

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -846.344+/-185.011 χ^2/NDF: 64.5/36

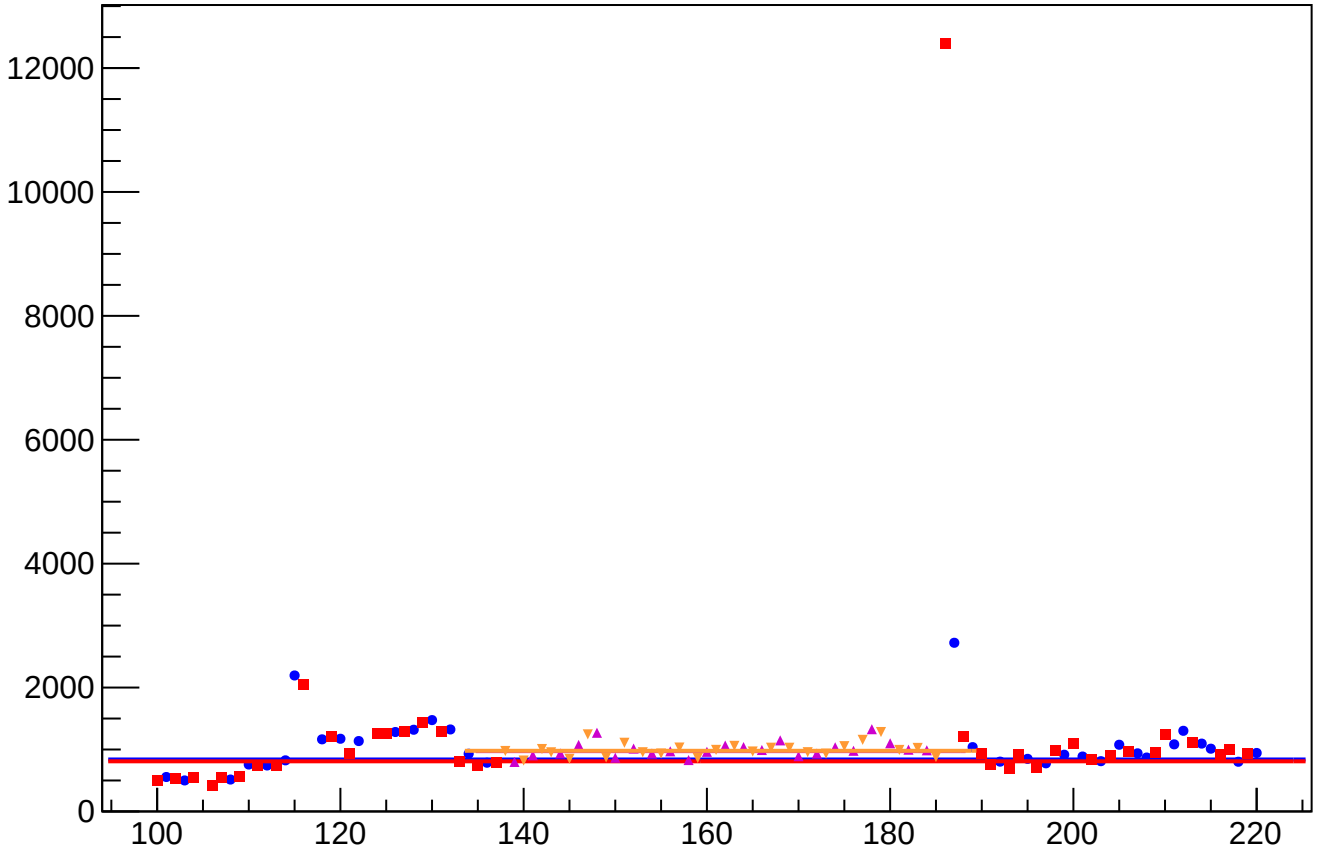
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -213.966+/-145.496 χ^2/NDF: 45.4/57

All: -379.937+/-102.387 χ^2/NDF: 152.5/117

- sign -542.756+/-144.108 χ^2/NDF: 104.4/59

asym_sam5_cor_correction_rms vs Slug



Right In: 839.057+/-0.135 χ^2/NDF: 2893699.5/32

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 809.367+/-0.131 χ^2/NDF: 4014282.9/36

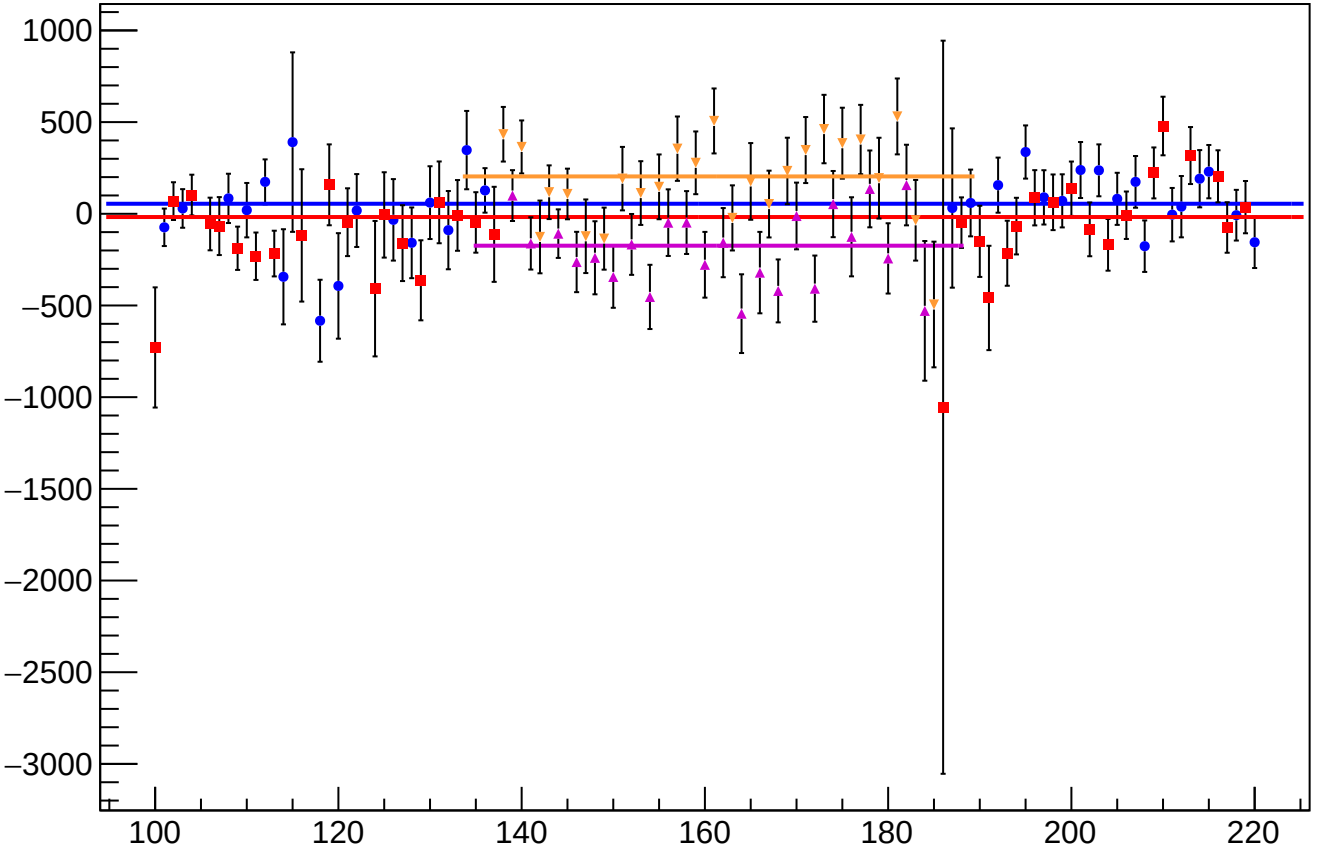
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 897.854+/-0.103 χ^2/NDF: 3774879.3/57

All: 885.835+/-0.072 χ^2/NDF: 8936289.6/117

- sign 874.045+/-0.102 χ^2/NDF: 5134373.8/59

eigen_cor_asym_sam5_mean vs Slug



Right In: 54.760+/-27.194 χ^2/NDF: 35.9/32

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -17.658+/-26.399 χ^2/NDF: 47.1/36

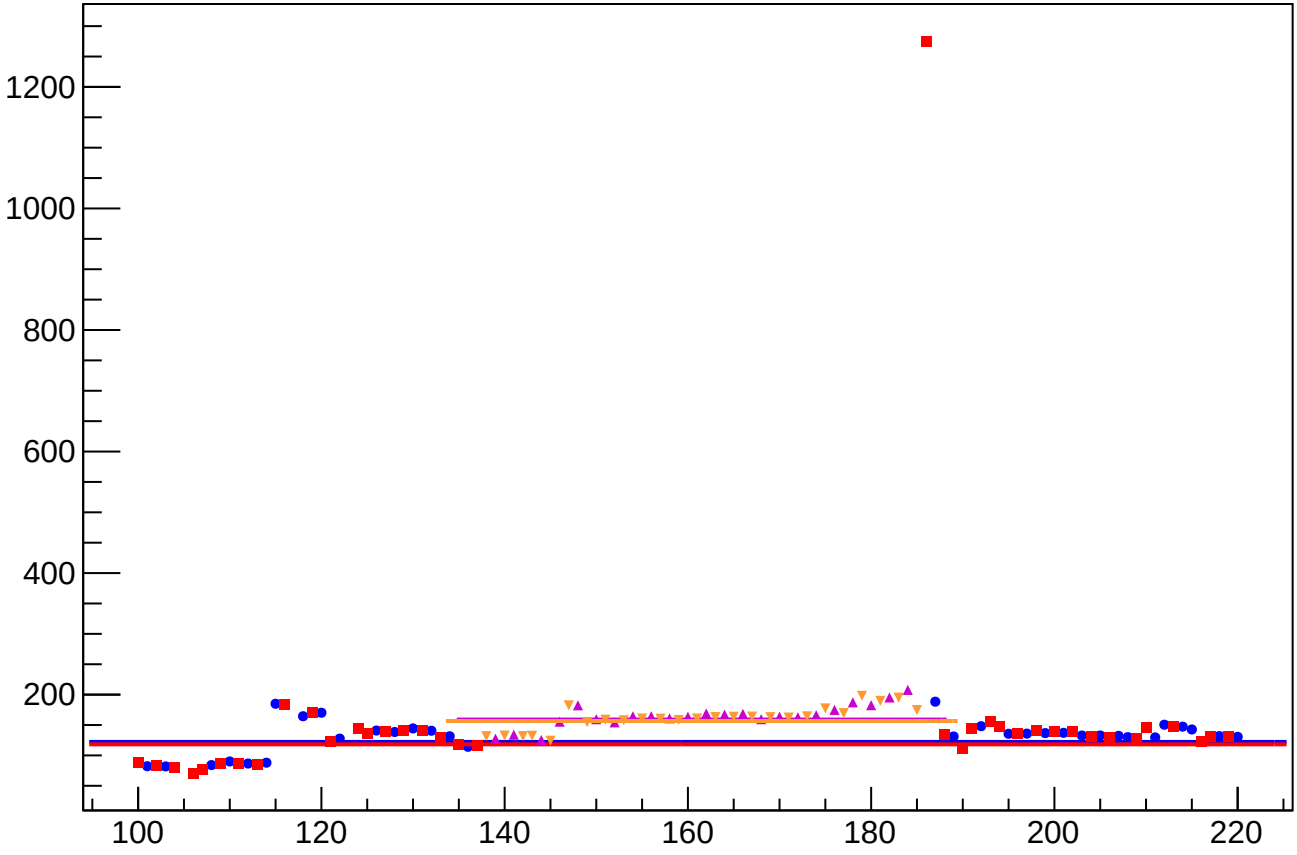
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 109.129+/-21.672 χ^2/NDF: 79.7/57

All: 19.320+/-15.288 χ^2/NDF: 197.2/117

- sign -69.632+/-21.568 χ^2/NDF: 83.3/59

eigen_cor_asym_sam5_rms vs Slug



Right In: 122.157+/-0.019 χ^2/NDF: 1693343.2/32

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 118.206+/-0.019 χ^2/NDF: 2766874.0/36

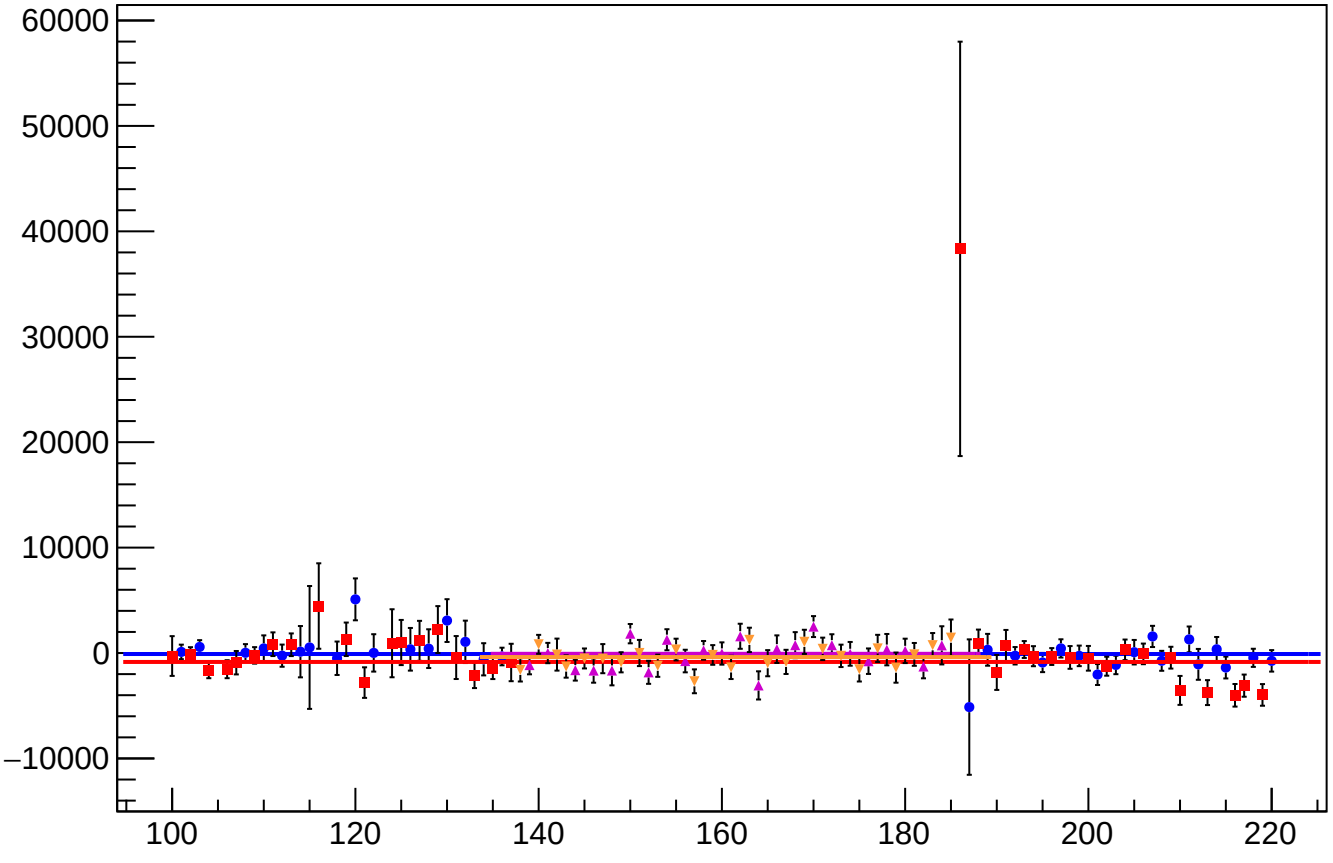
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.739+/-0.015 χ^2/NDF: 3448979.4/57

All: 133.239+/-0.011 χ^2/NDF: 8330352.4/117

- sign 131.753+/-0.015 χ^2/NDF: 4862306.2/59

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: -93.336+/-191.015 χ^2/NDF: 25.8/32

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -846.344+/-185.011 χ^2/NDF: 64.5/36

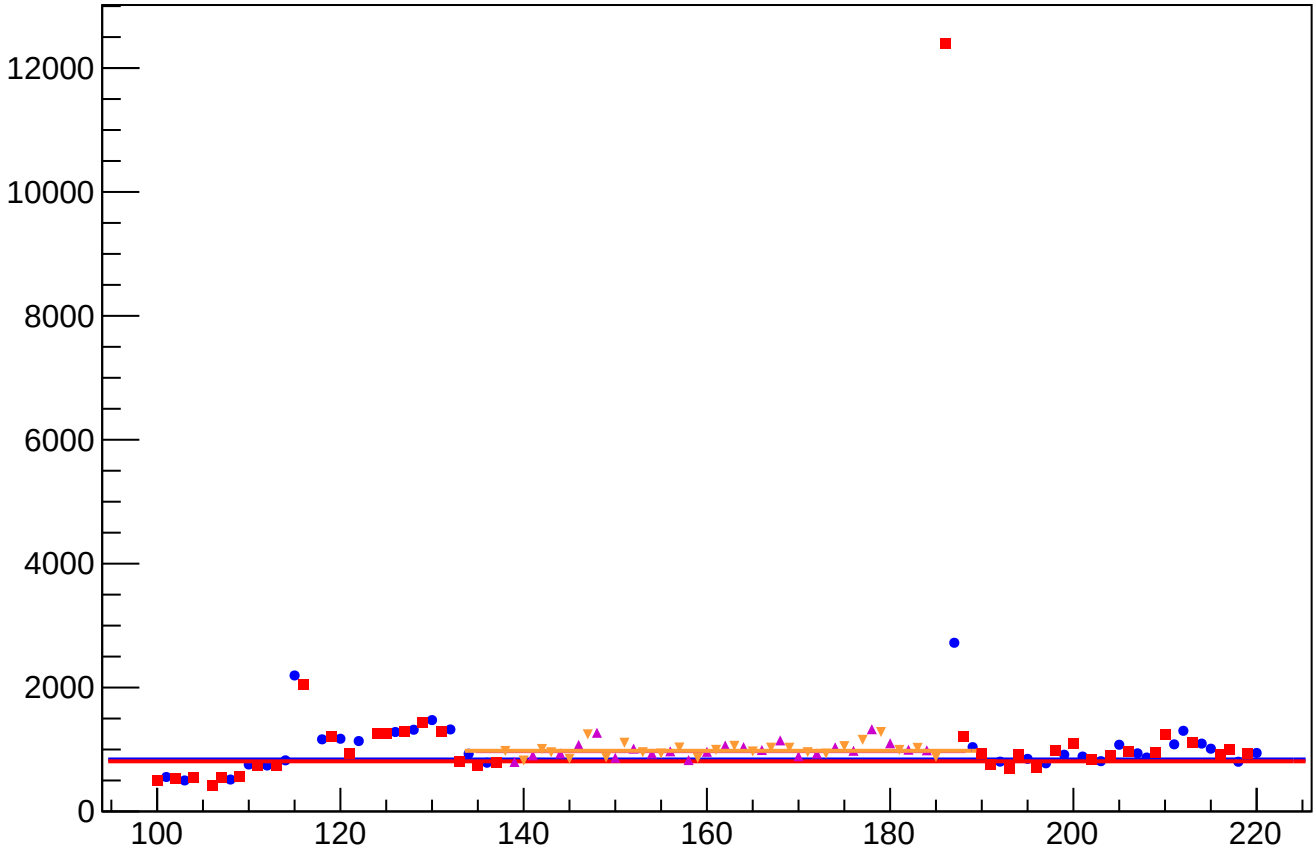
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -213.966+/-145.496 χ^2/NDF: 45.4/57

All: -379.937+/-102.387 χ^2/NDF: 152.5/117

- sign -542.756+/-144.108 χ^2/NDF: 104.4/59

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 839.057+/-0.135 χ^2/NDF: 2893699.5/32

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 809.367+/-0.131 χ^2/NDF: 4014282.9/36

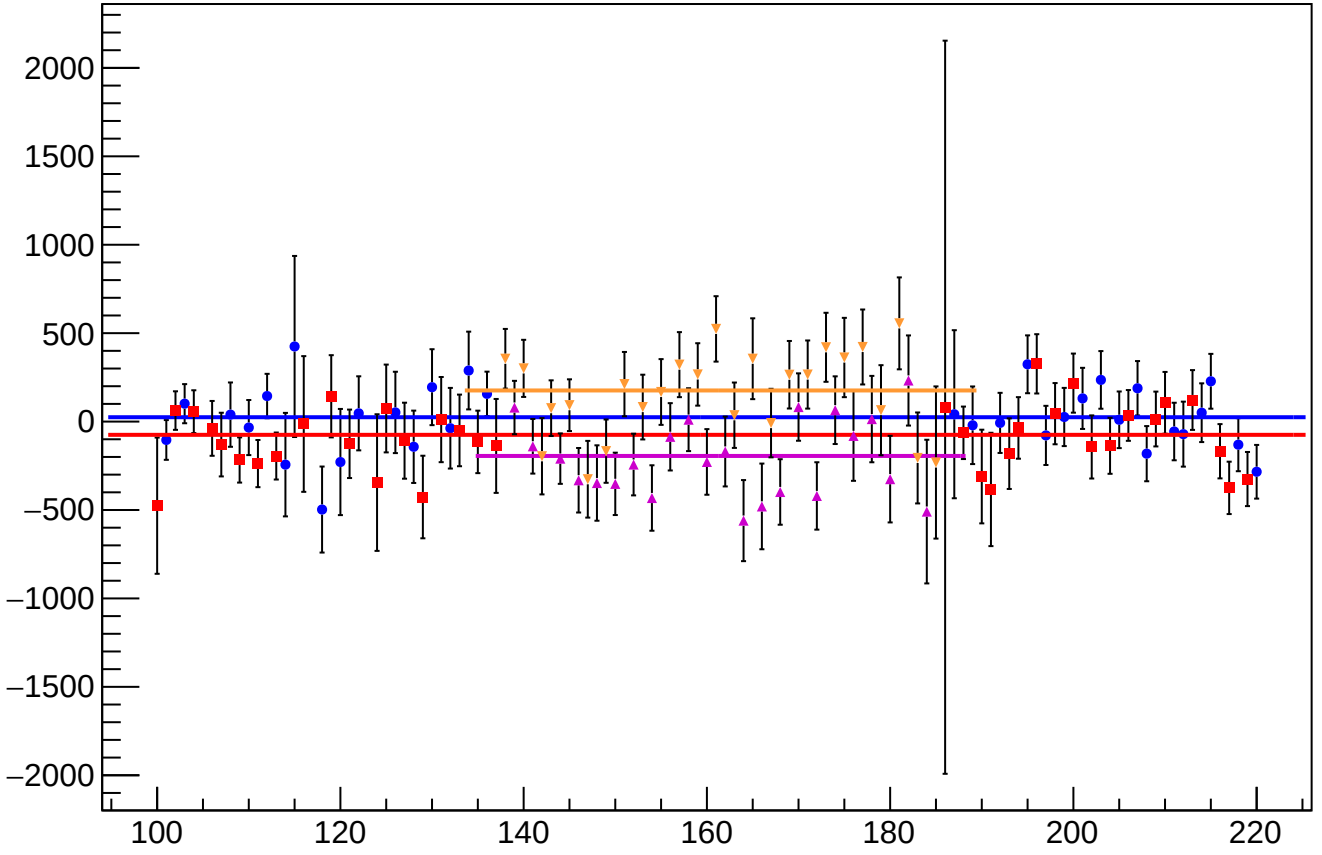
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 897.854+/-0.103 χ^2/NDF: 3774879.3/57

All: 885.835+/-0.072 χ^2/NDF: 8936289.6/117

- sign 874.045+/-0.102 χ^2/NDF: 5134373.8/59

dit_asym_sam5_mean vs Slug



Right In: 24.662+/-29.795 χ^2/NDF: 29.8/32

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -74.925+/-28.855 χ^2/NDF: 34.0/36

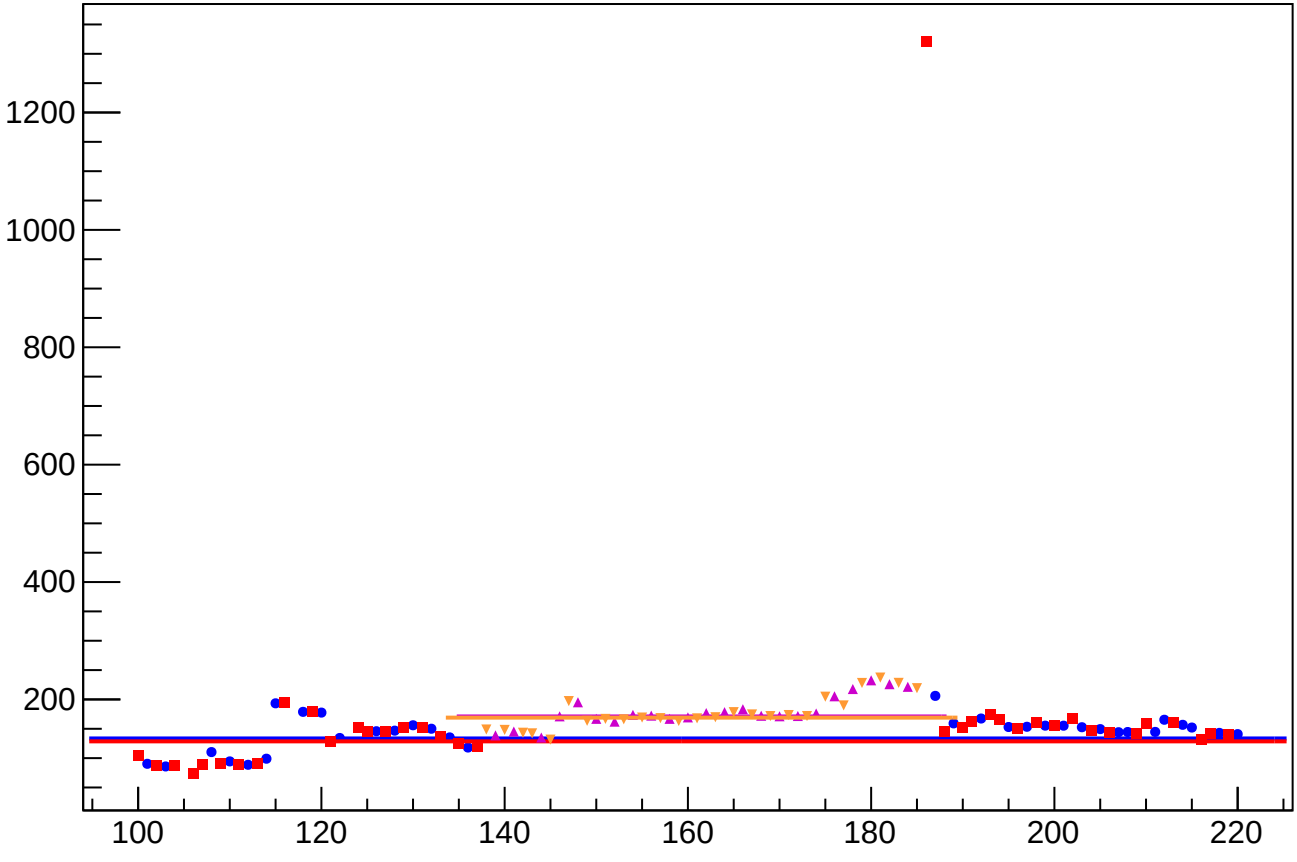
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 80.736+/-23.640 χ^2/NDF: 70.1/57

All: -17.946+/-16.658 χ^2/NDF: 168.4/117

- sign -115.281+/-23.478 χ^2/NDF: 63.7/59

dit_asym_sam5_rms vs Slug



Right In: 133.535+/-0.021 χ^2/NDF: 1820158.9/32

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 128.579+/-0.020 χ^2/NDF: 3025698.8/36

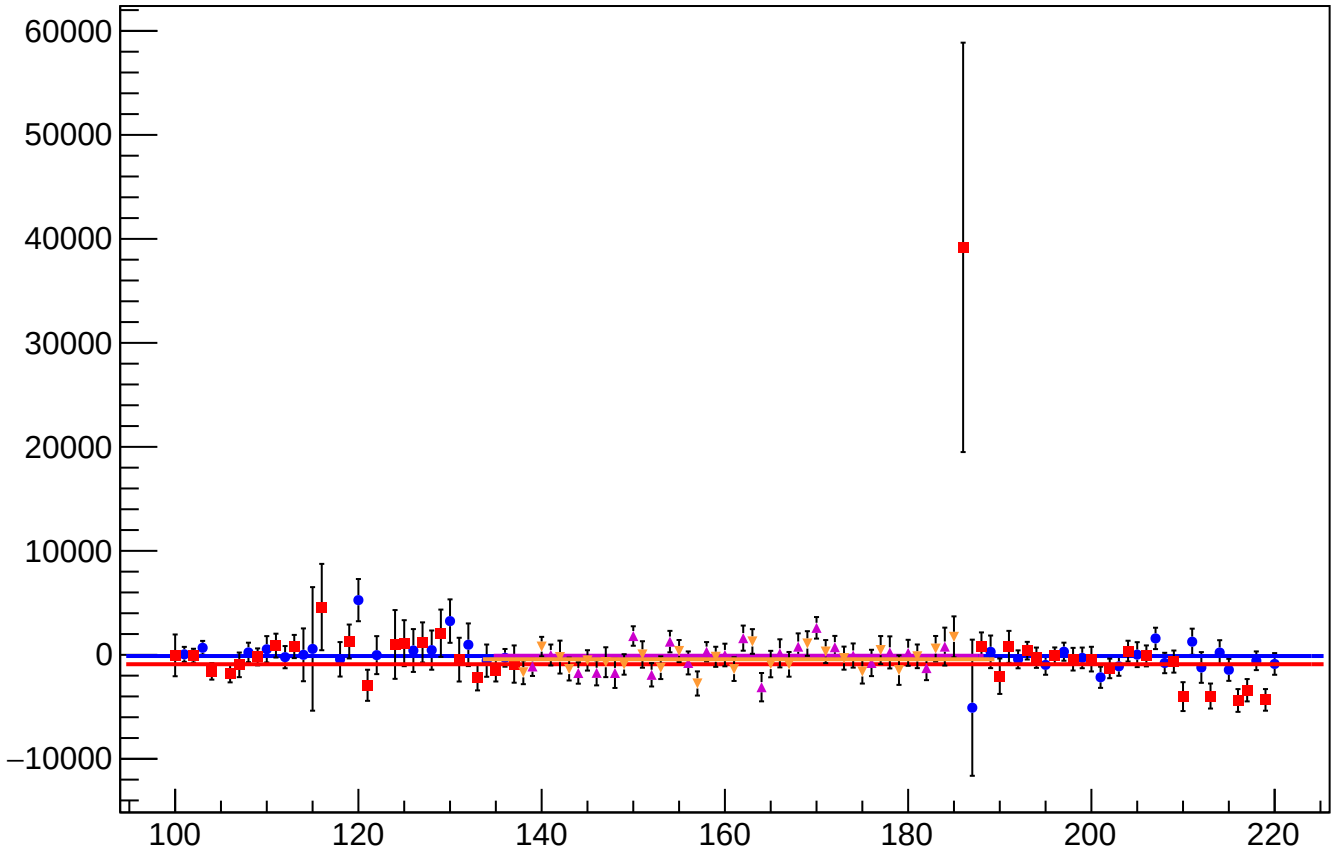
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 146.678+/-0.017 χ^2/NDF: 3644503.7/57

All: 144.788+/-0.012 χ^2/NDF: 8836140.0/117

- sign 142.924+/-0.017 χ^2/NDF: 5166246.3/59

asym_sam5_dit_correction_mean vs Slug



Right In: -113.793+/-197.448 χ^2/NDF: 26.5/32

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -902.106+/-190.616 χ^2/NDF: 71.8/36

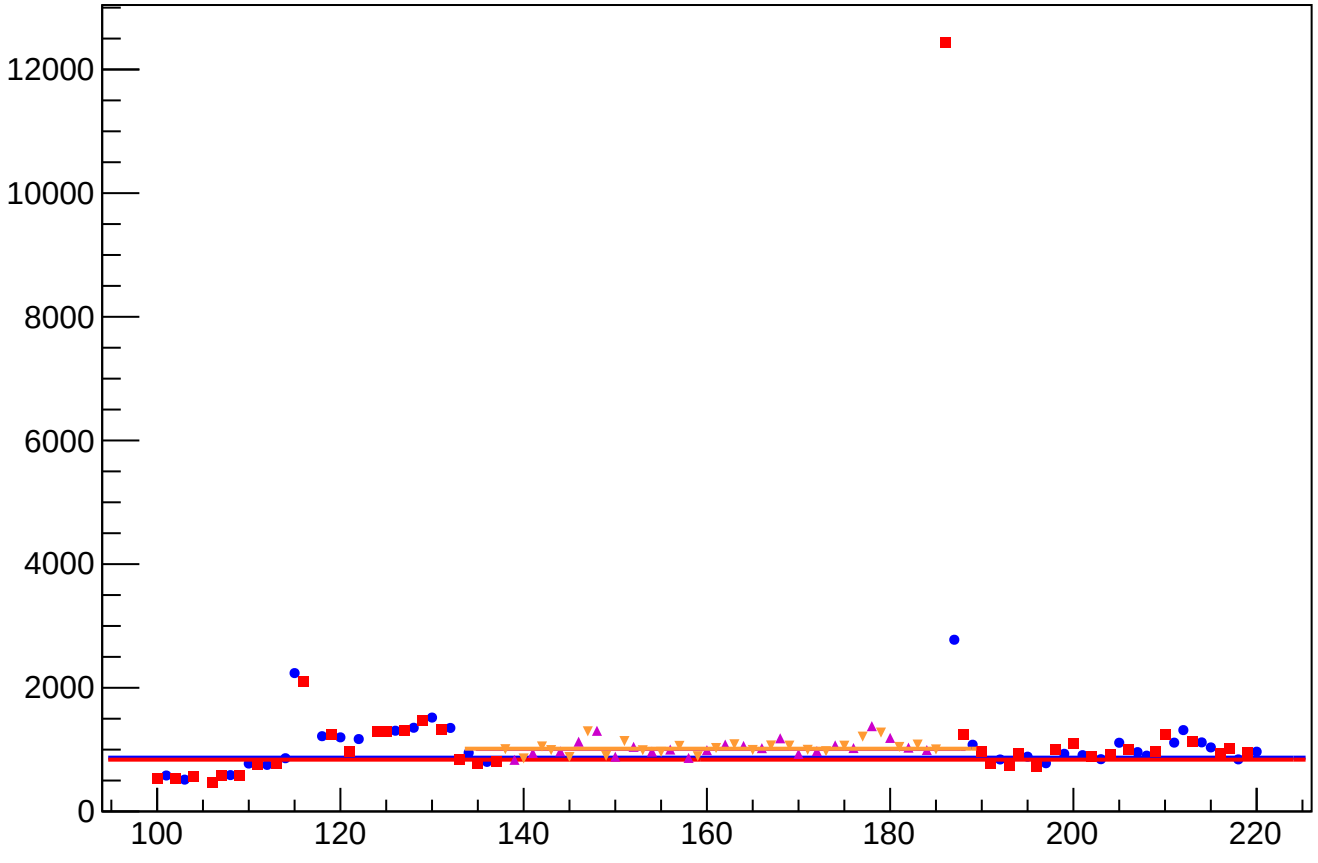
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -244.496+/-150.516 χ^2/NDF: 46.0/57

All: -415.985+/-105.826 χ^2/NDF: 159.9/117

- sign -583.627+/-148.818 χ^2/NDF: 111.4/59

asym_sam5_dit_correction_rms vs Slug



Right In: 870.216+/-0.140 χ^2/NDF: 2708906.1/32

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 837.681+/-0.135 χ^2/NDF: 3800664.9/36

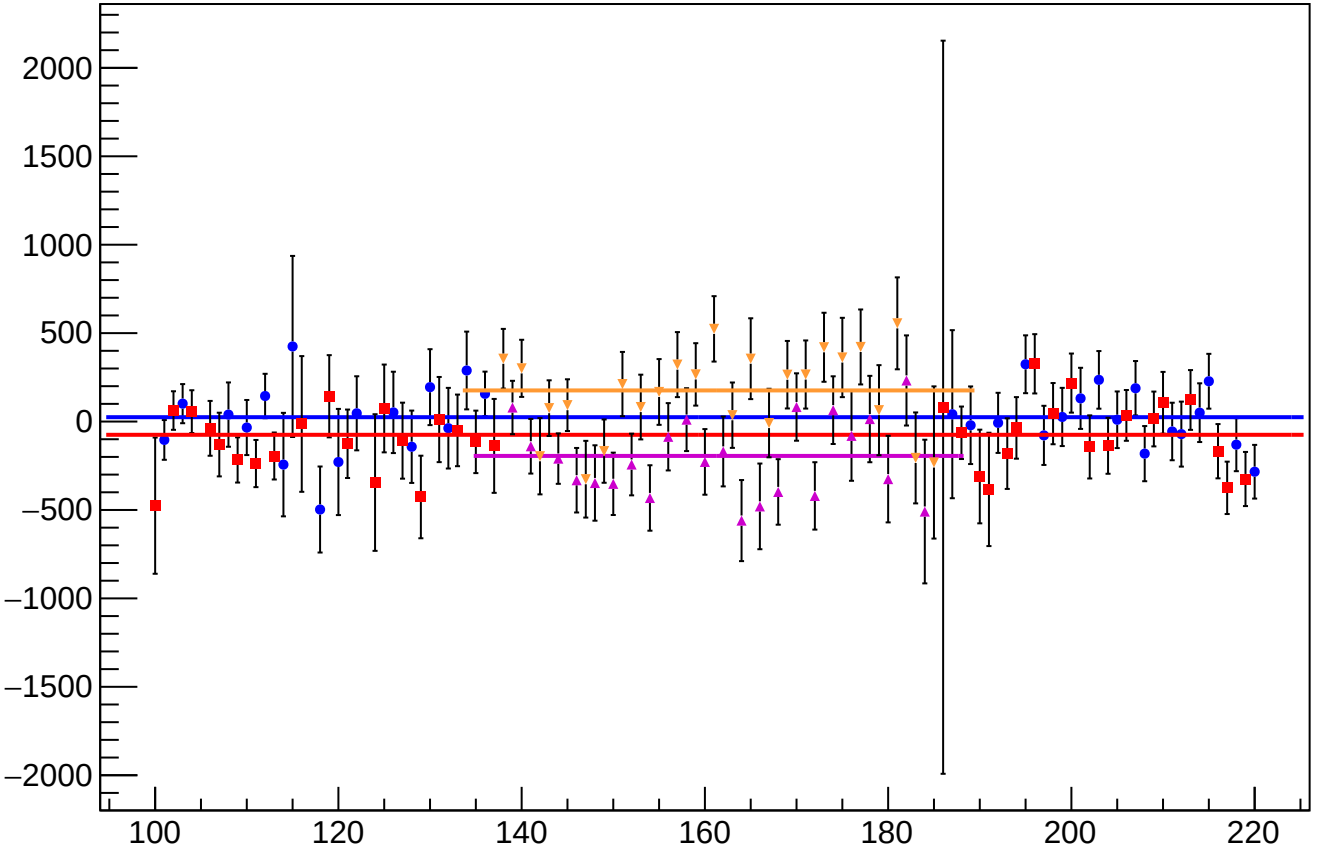
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 930.883+/-0.106 χ^2/NDF: 3557622.6/57

All: 917.713+/-0.075 χ^2/NDF: 8523144.4/117

- sign 904.839+/-0.105 χ^2/NDF: 4935241.9/59

eigen_dit_asym_sam5_mean vs Slug



Right In: 24.662+/-29.795 χ^2/NDF: 29.8/32

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -74.924+/-28.855 χ^2/NDF: 34.0/36

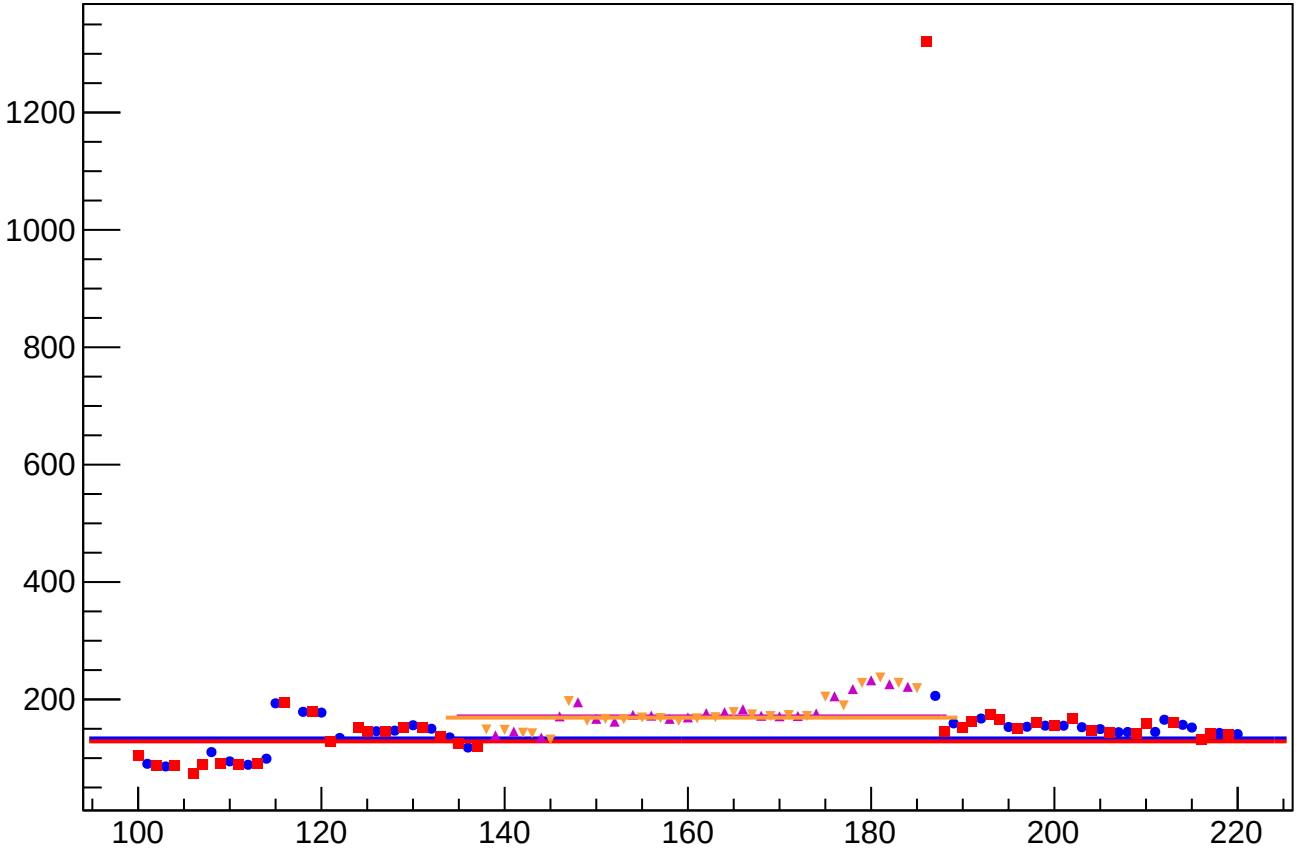
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 80.736+/-23.640 χ^2/NDF: 70.1/57

All: -17.946+/-16.658 χ^2/NDF: 168.4/117

- sign -115.280+/-23.478 χ^2/NDF: 63.7/59

eigen_dit_asym_sam5_rms vs Slug



Right In: 133.534+/-0.021 χ^2/NDF: 1820165.8/32

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

Right Out: 128.579+/-0.020 χ^2/NDF: 3025699.8/36

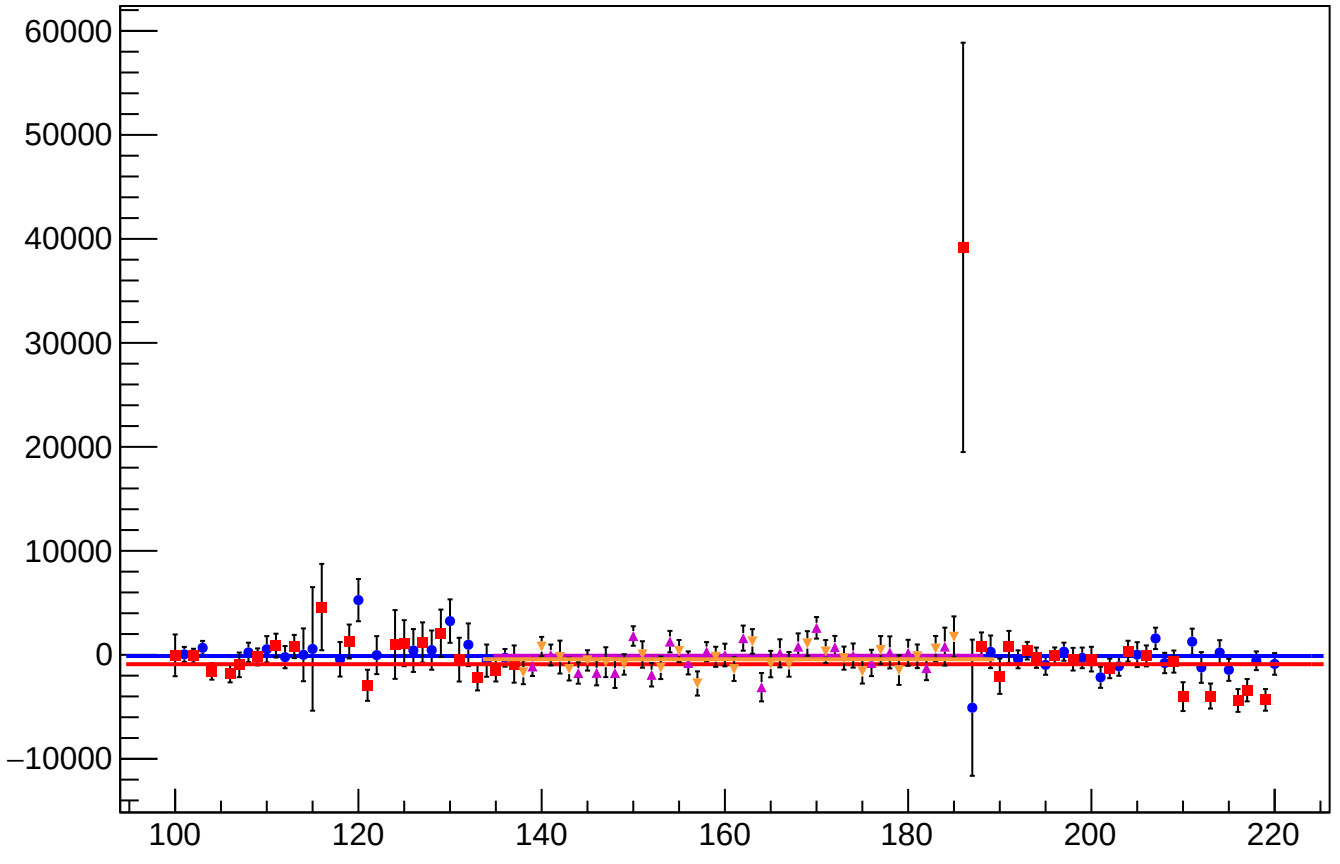
Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 146.678+/-0.017 χ^2/NDF: 3644522.1/57

All: 144.788+/-0.012 χ^2/NDF: 8836181.7/117

- sign 142.924+/-0.017 χ^2/NDF: 5166270.3/59

asym_sam5_eigen_dit_correction_mean vs Slug



Right In: -113.791+/-197.447 χ^2/NDF: 26.5/32

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -902.107+/-190.616 χ^2/NDF: 71.8/36

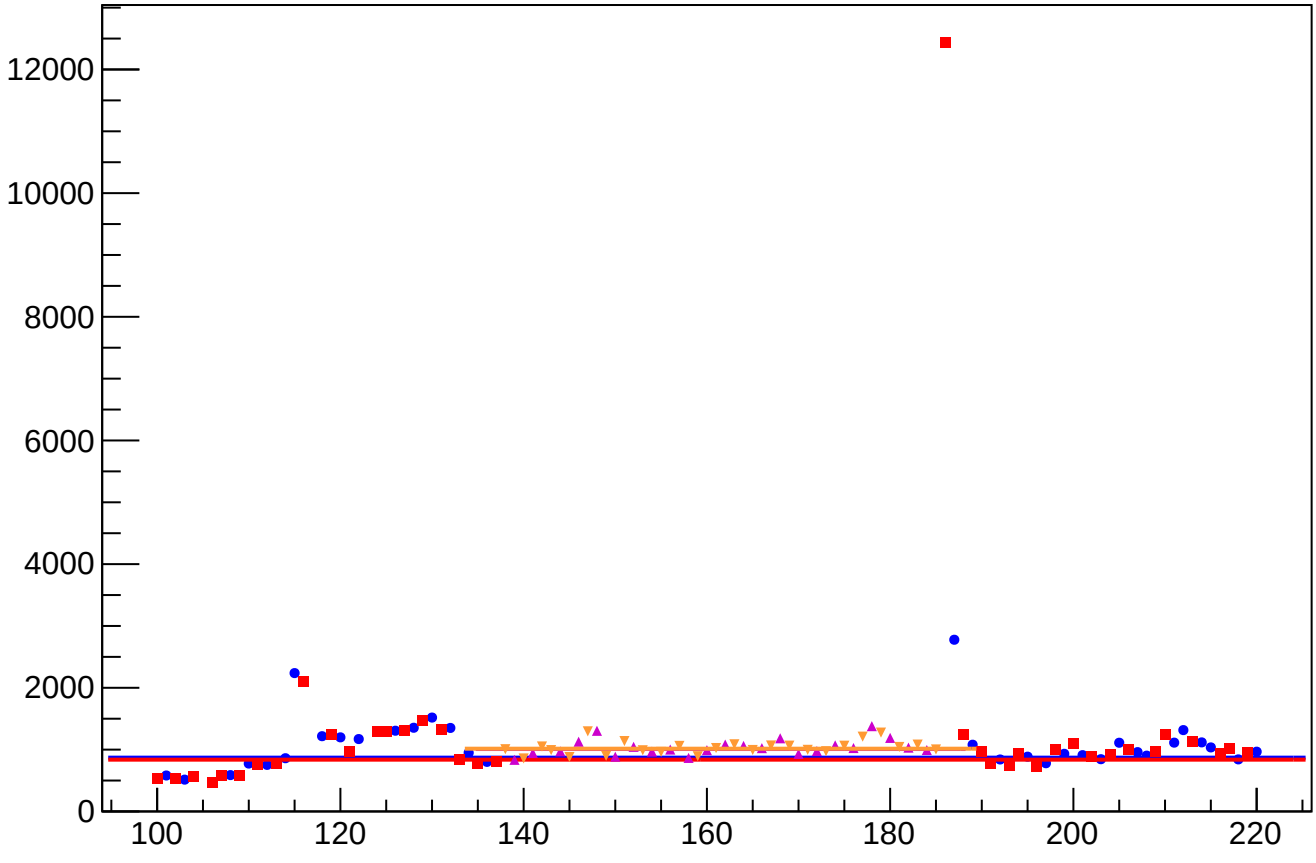
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -244.494+/-150.516 χ^2/NDF: 46.0/57

All: -415.985+/-105.826 χ^2/NDF: 159.9/117

- sign -583.628+/-148.818 χ^2/NDF: 111.4/59

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 870.216+/-0.140 χ^2/NDF: 2708905.2/32

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 837.680+/-0.135 χ^2/NDF: 3800667.5/36

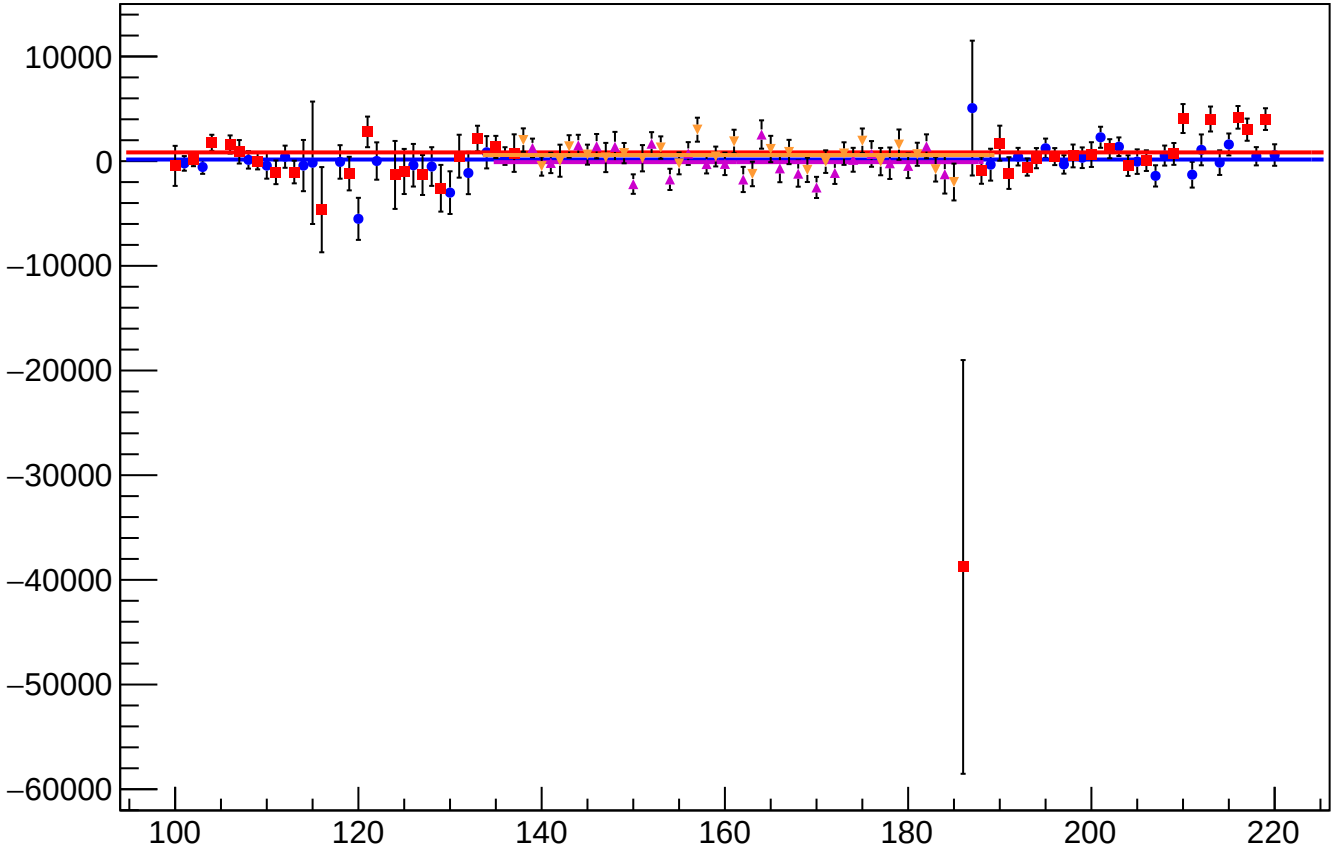
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 930.883+/-0.106 χ^2/NDF: 3557631.3/57

All: 917.713+/-0.075 χ^2/NDF: 8523169.2/117

- sign 904.839+/-0.105 χ^2/NDF: 4935258.2/59

asym_sam5_mean vs Slug



Right In: 156.436+/-193.259 χ^2/NDF: 28.6/32

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 837.436+/-187.242 χ^2/NDF: 71.6/36

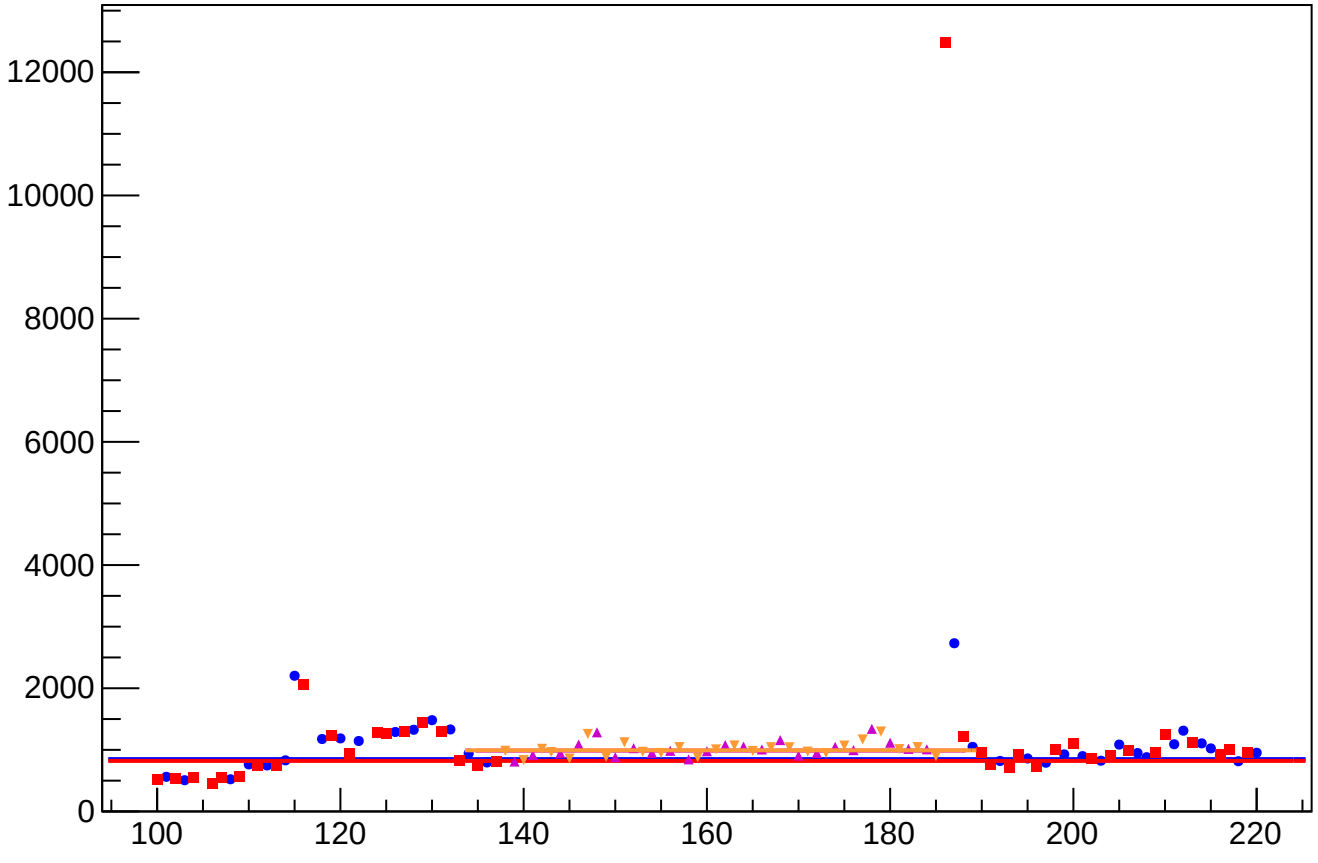
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

+ sign 336.491+/-147.312 χ^2/NDF: 51.4/57

All: 405.124+/-103.683 χ^2/NDF: 167.7/117

- sign 472.501+/-145.959 χ^2/NDF: 115.8/59

asym_sam5_rms vs Slug



Right In: 849.554+/-0.137 χ^2/NDF: 2855620.9/32

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

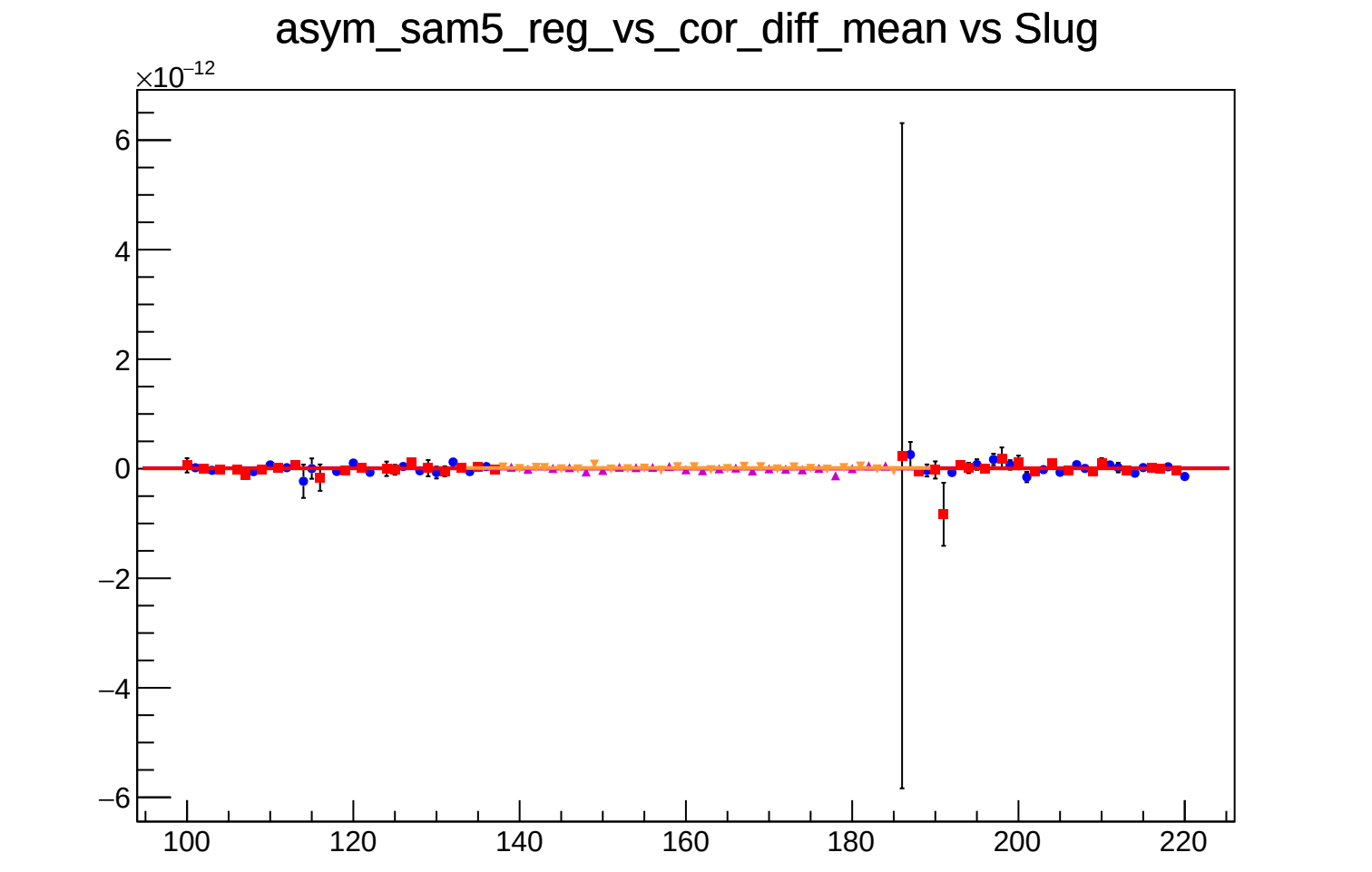
Right Out: 820.811+/-0.132 χ^2/NDF: 3925655.8/36

Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 909.465+/-0.104 χ^2/NDF: 3739275.1/57

All: 897.787+/-0.073 χ^2/NDF: 8801582.1/117

- sign 886.323+/-0.103 χ^2/NDF: 5037400.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 40.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

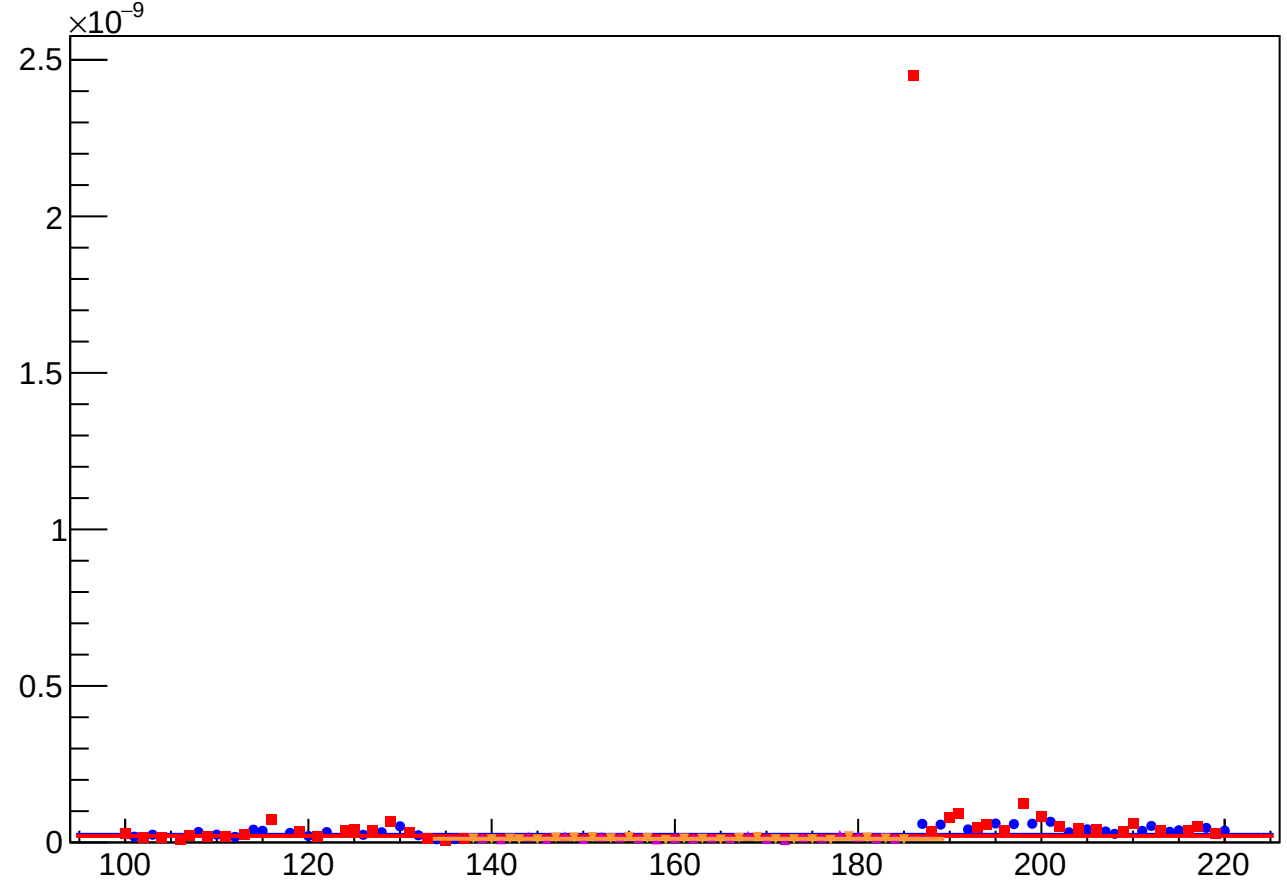
Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/36

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

+ sign 0.000+/-0.000 χ^2/NDF: 64.0/57

All: 0.000+/-0.000 χ^2/NDF: 119.9/117

- sign 0.000+/-0.000 χ^2/NDF: 53.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 4611722.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7090911.6/36

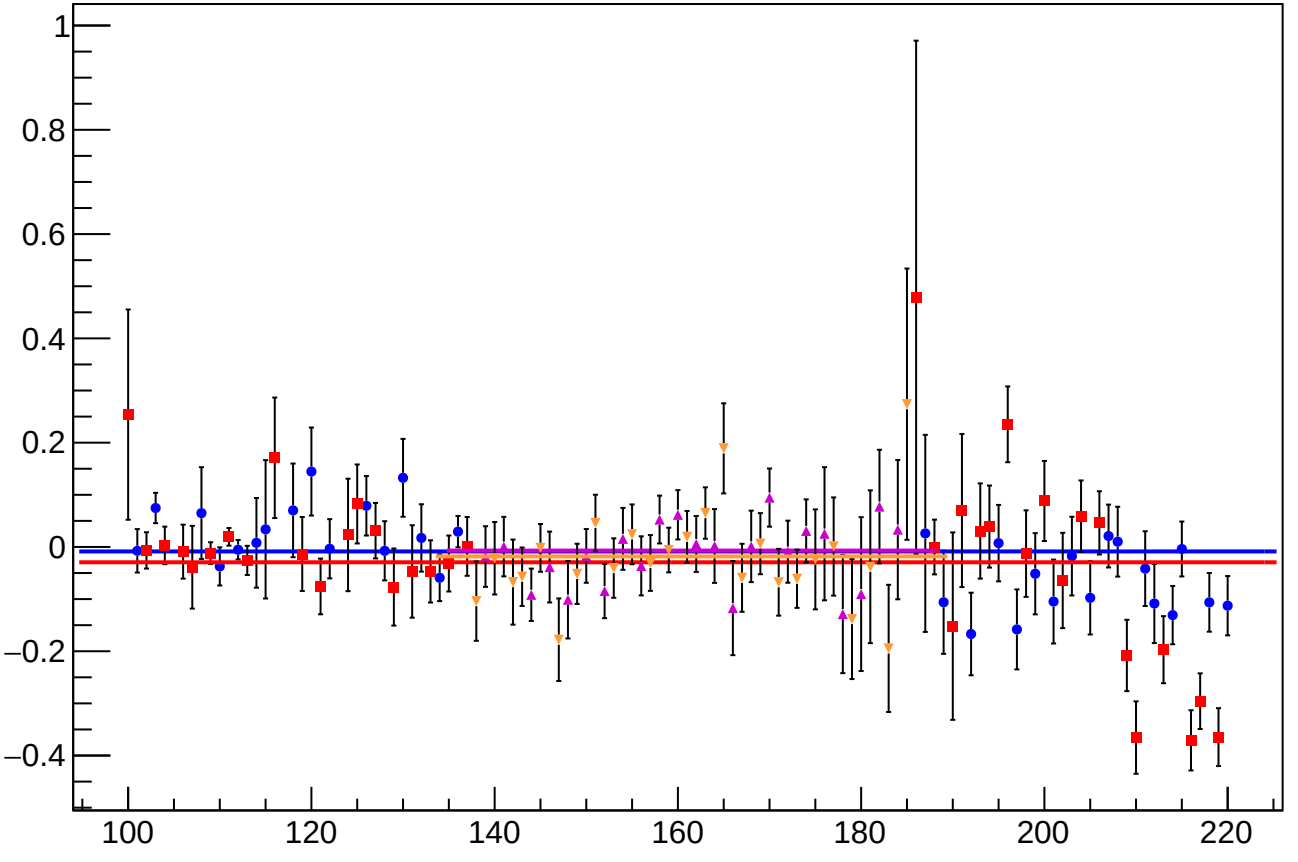
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8515697.5/57

All: 0.000+/-0.000 χ^2/NDF: 17677427.5/117

- sign 0.000+/-0.000 χ^2/NDF: 9078442.6/59

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.009 χ^2/NDF: 48.3/32

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.029+/-0.008 χ^2/NDF: 176.7/36

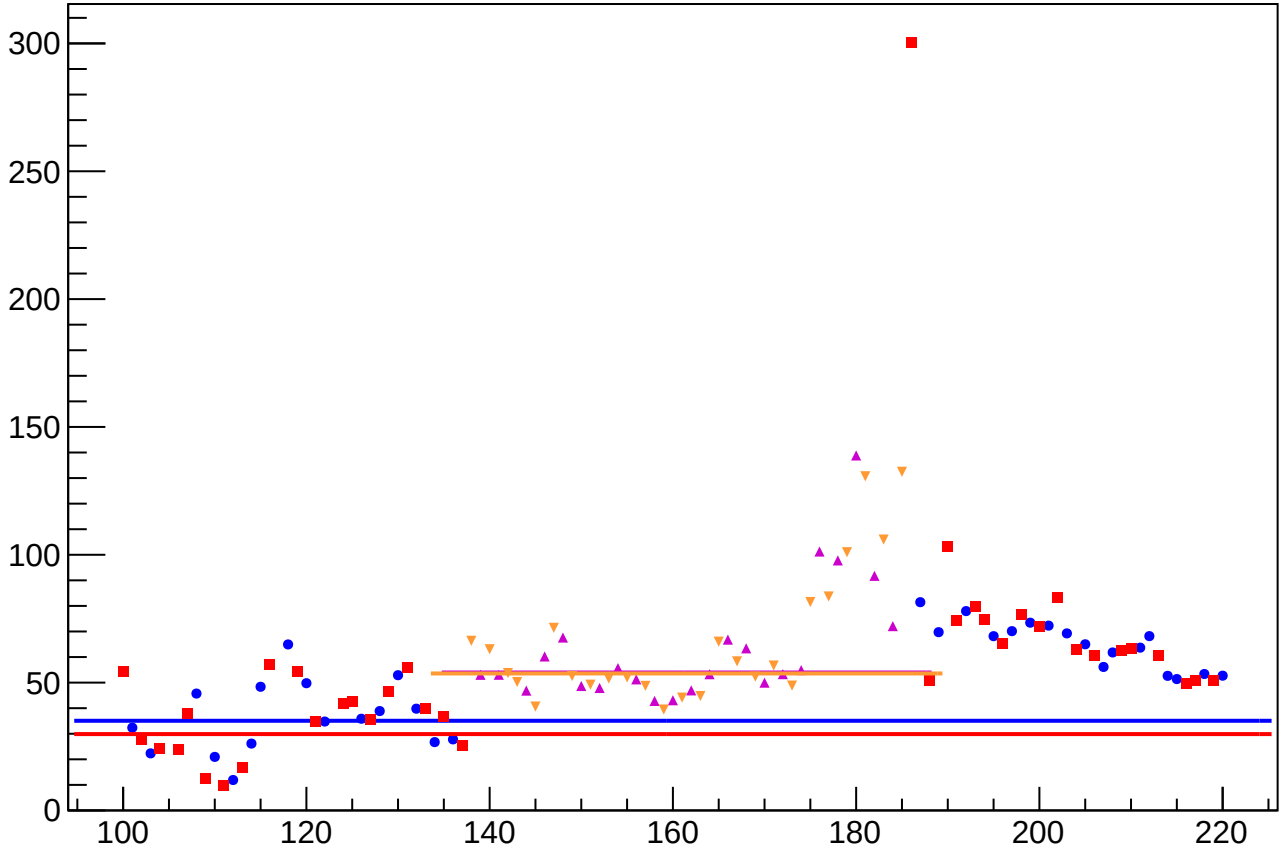
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.012+/-0.007 χ^2/NDF: 73.0/57

All: -0.018+/-0.005 χ^2/NDF: 271.8/117

- sign -0.023+/-0.007 χ^2/NDF: 197.5/59

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 35.073+/-0.006 χ^2/NDF: 9973604.8/32

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 29.868+/-0.006 χ^2/NDF: 13923181.0/36

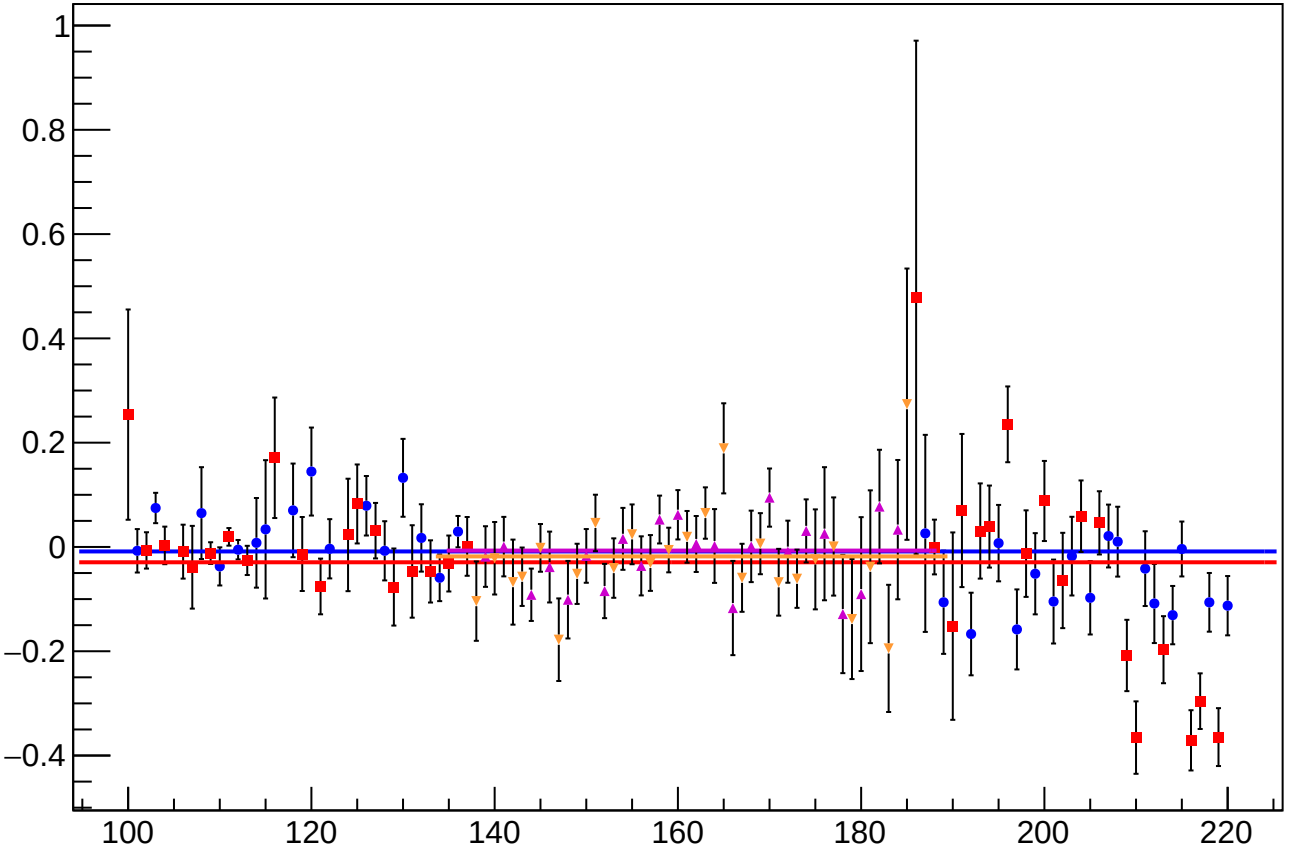
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 41.166+/-0.005 χ^2/NDF: 15421115.1/57

All: 38.674+/-0.004 χ^2/NDF: 36659701.8/11

- sign 36.470+/-0.005 χ^2/NDF: 20804738.9/59

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.009+/-0.009 χ^2/NDF: 48.3/32

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.029+/-0.008 χ^2/NDF: 176.7/36

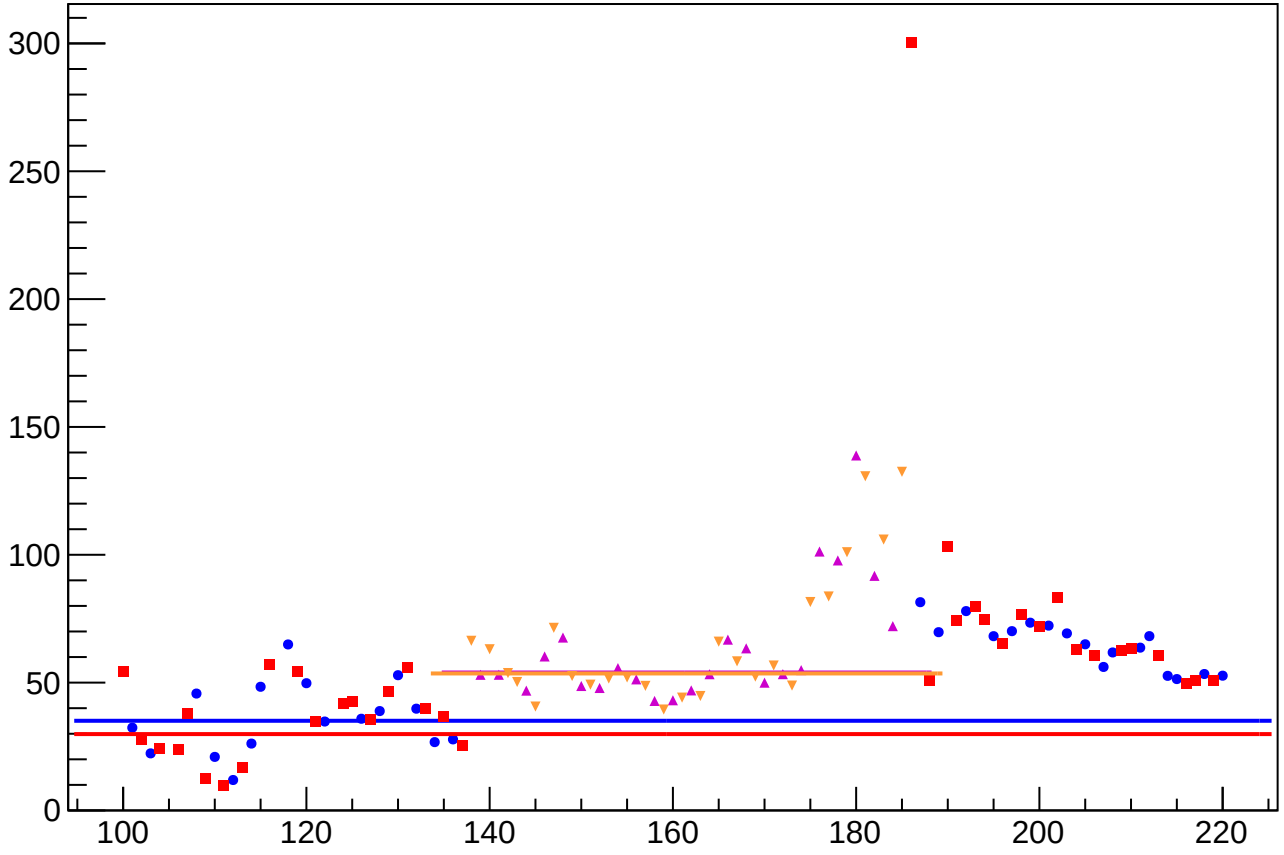
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.012+/-0.007 χ^2/NDF: 73.0/57

All: -0.018+/-0.005 χ^2/NDF: 271.8/117

- sign -0.023+/-0.007 χ^2/NDF: 197.5/59

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.073+/-0.006 χ^2/NDF: 9973604.8/32

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

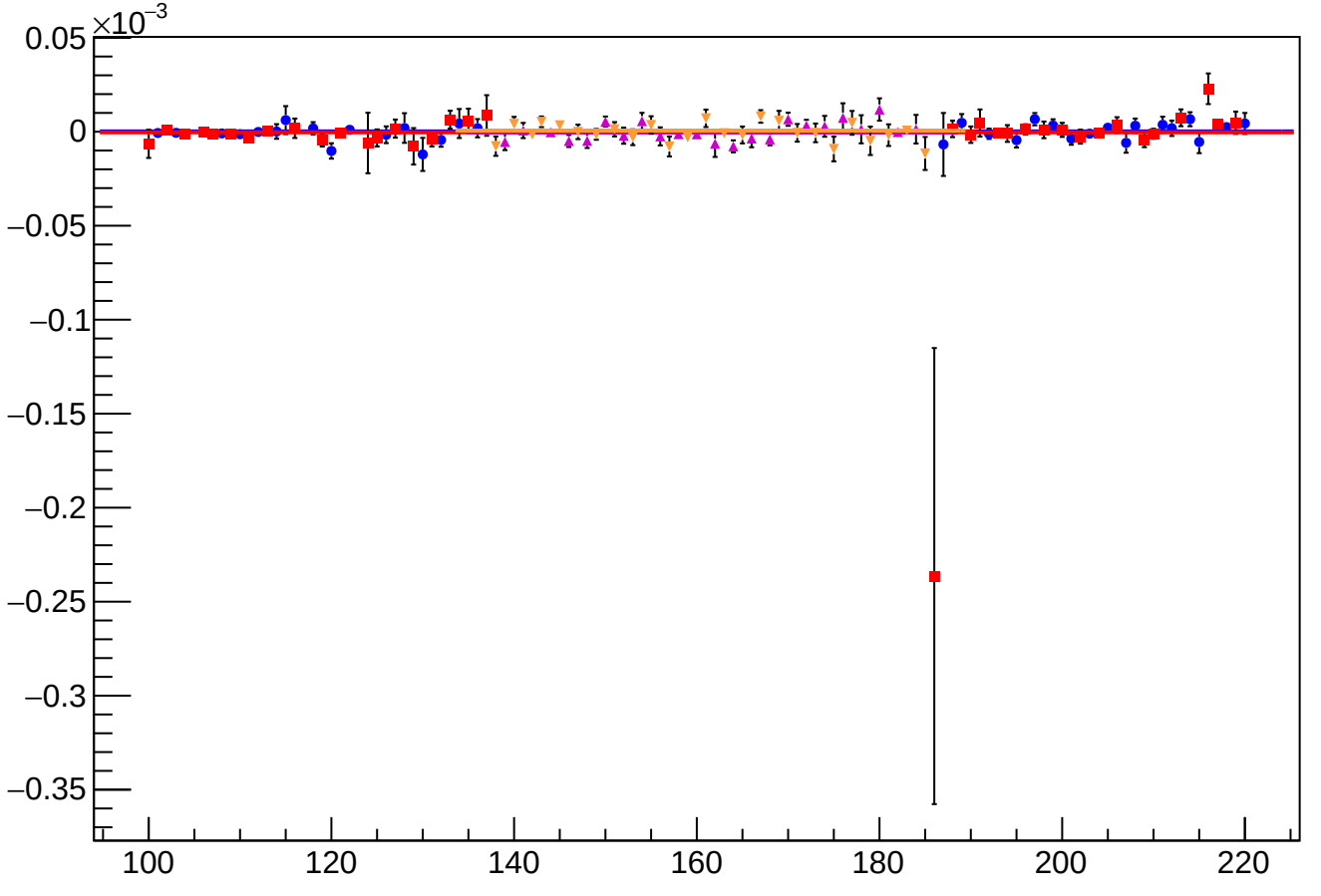
Right Out: 29.868+/-0.006 χ^2/NDF: 13923181.0/36

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 41.166+/-0.005 χ^2/NDF: 15421115.1/57

All: 38.674+/-0.004 χ^2/NDF: 36659701.8/11

- sign 36.470+/-0.005 χ^2/NDF: 20804738.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 32.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 37.2/36

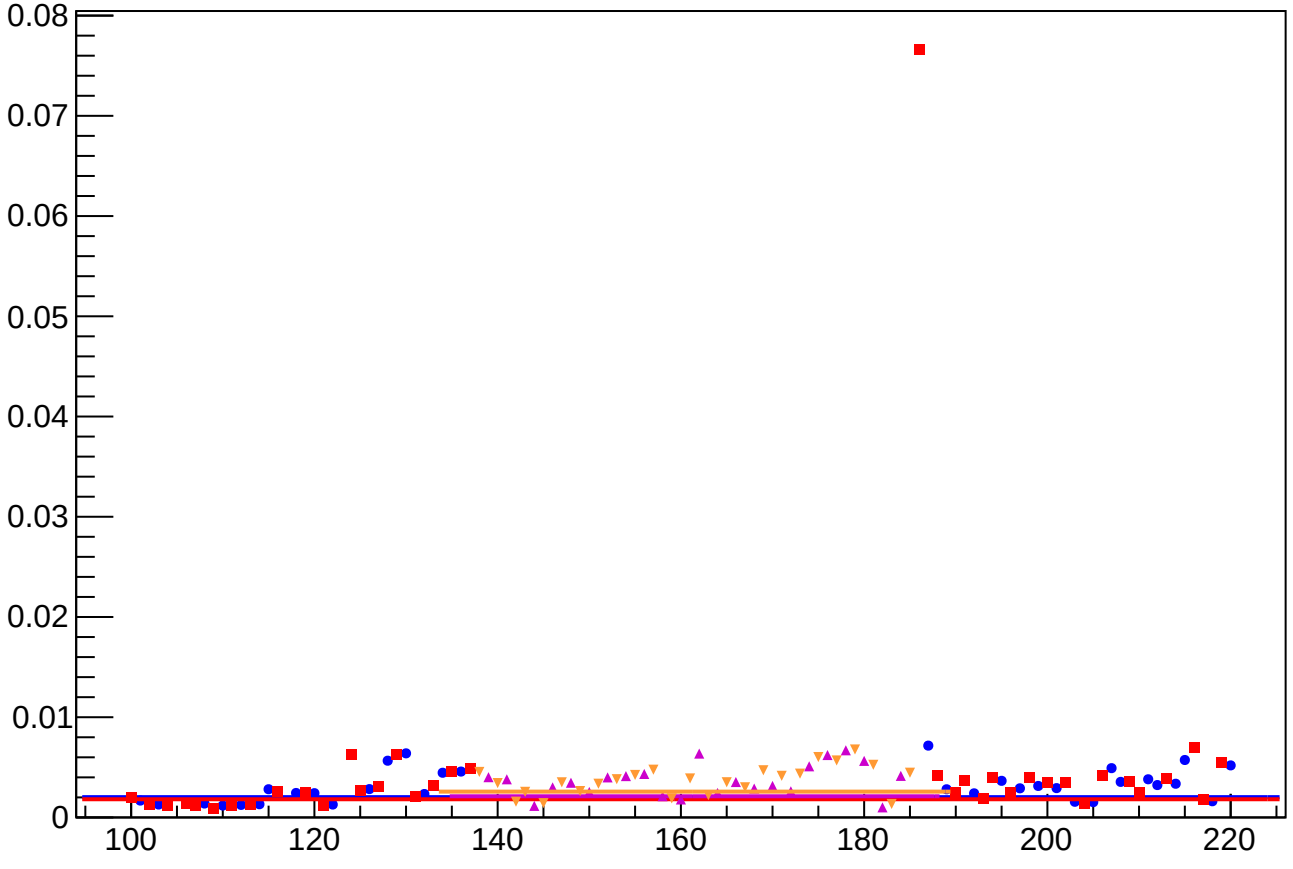
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.4/57

All: -0.000+/-0.000 χ^2/NDF: 133.0/117

- sign -0.000+/-0.000 χ^2/NDF: 68.1/59

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 8114408.6/32

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10599142.3/36

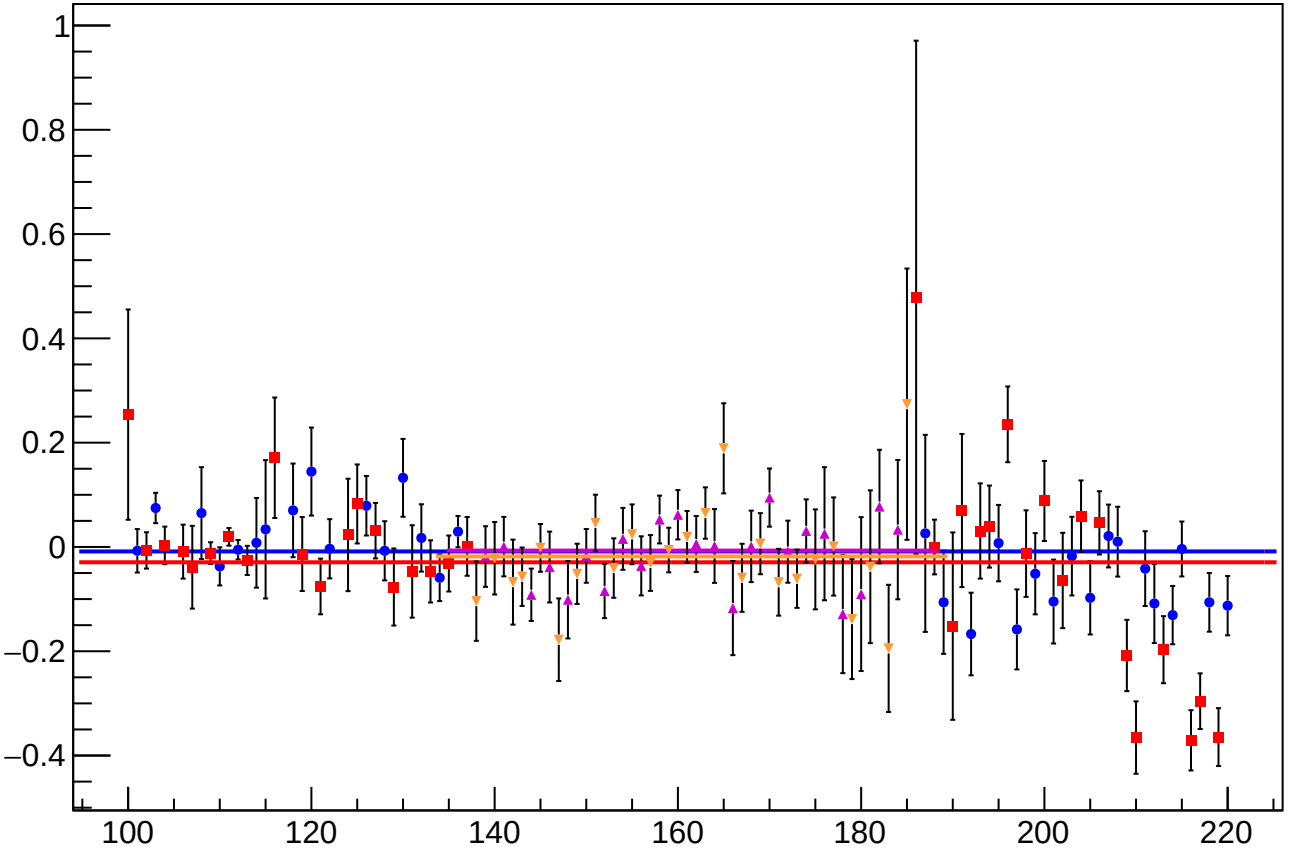
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 16089575.7/57

All: 0.002+/-0.000 χ^2/NDF: 37100572.1/117

- sign 0.002+/-0.000 χ^2/NDF: 20402932.4/59

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.009 χ^2/NDF: 48.3/32

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: -0.029+/-0.008 χ^2/NDF: 176.7/36

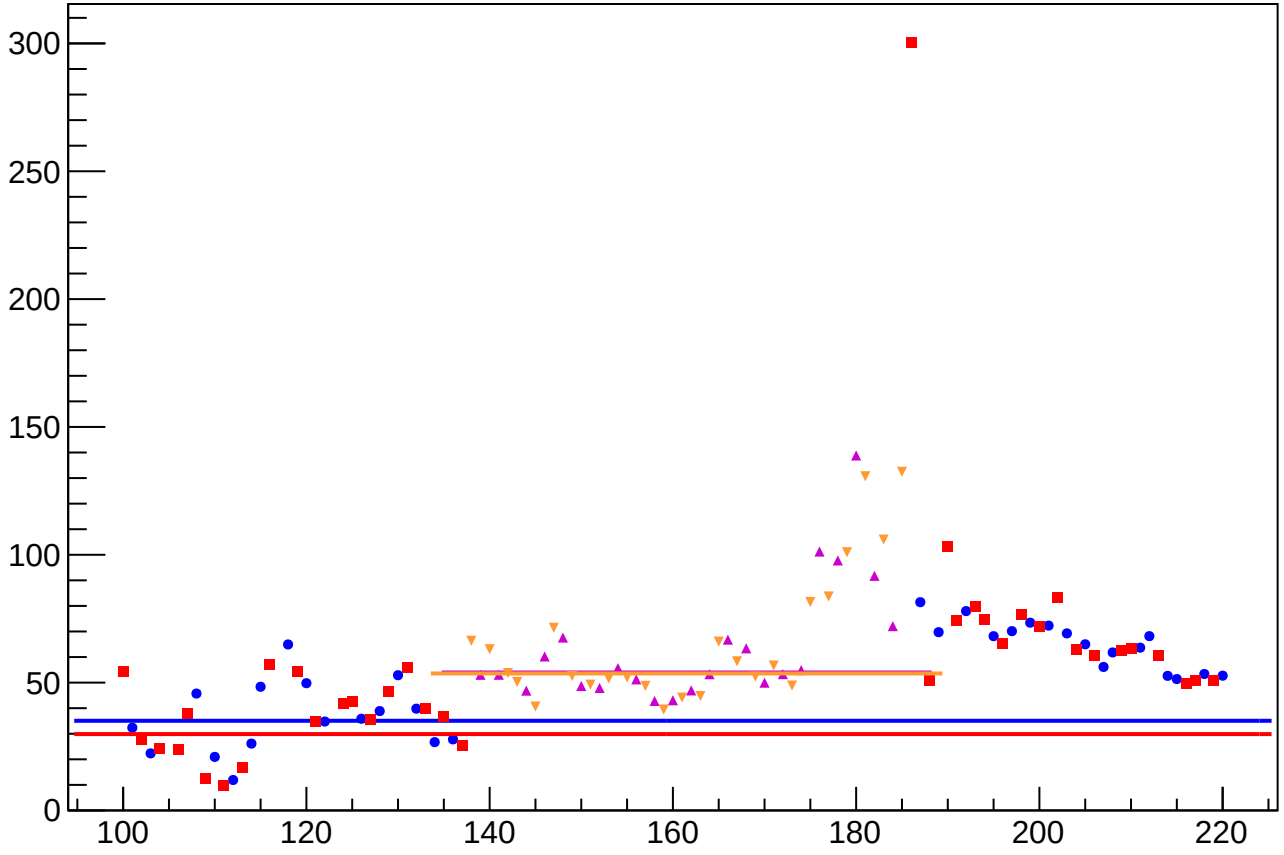
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.012+/-0.007 χ^2/NDF: 73.0/57

All: -0.018+/-0.005 χ^2/NDF: 271.8/117

- sign -0.023+/-0.007 χ^2/NDF: 197.5/59

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.072+/-0.006 χ^2/NDF: 9973748.9/32

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

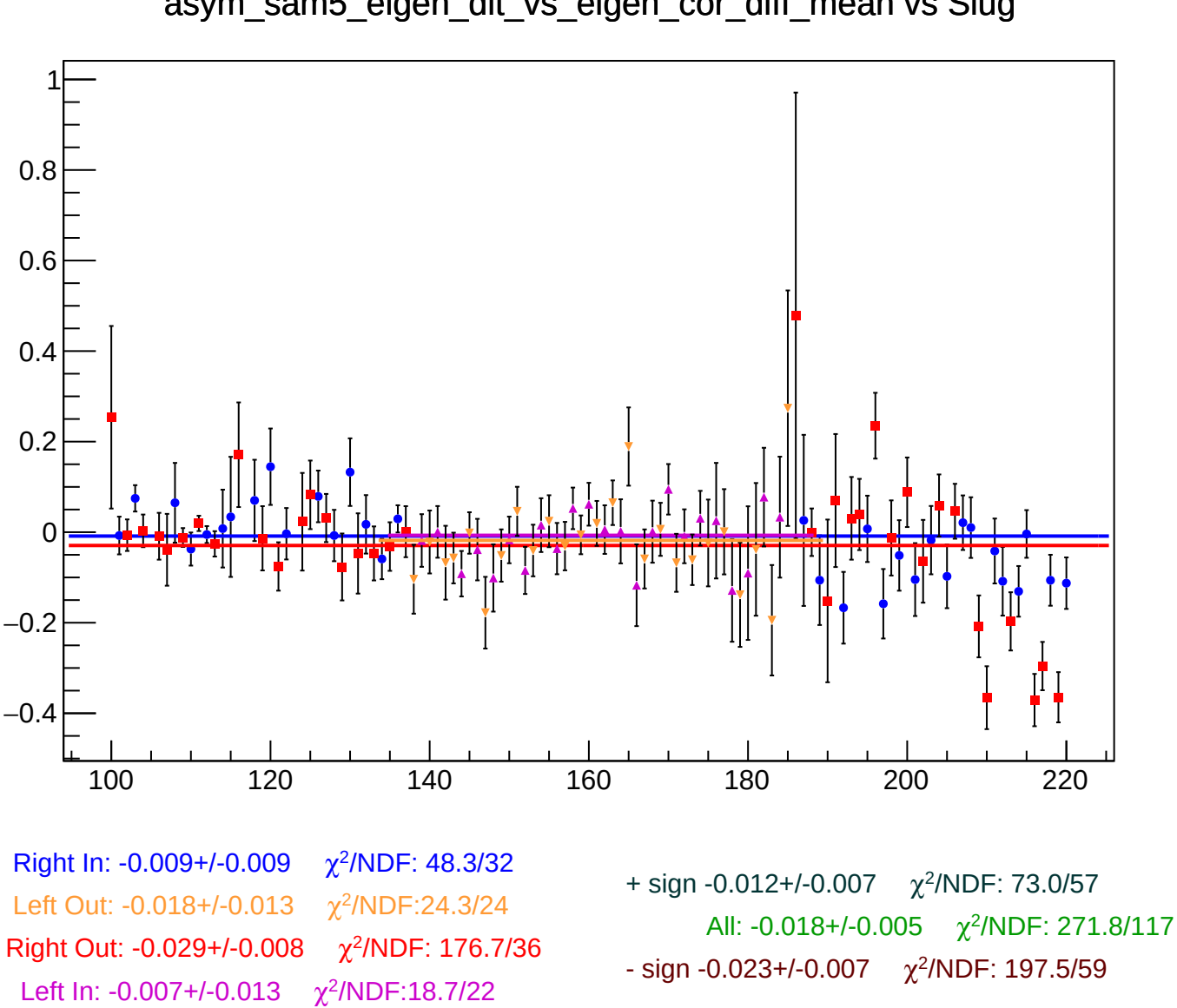
Right Out: 29.868+/-0.006 χ^2/NDF: 13923408.8/36

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

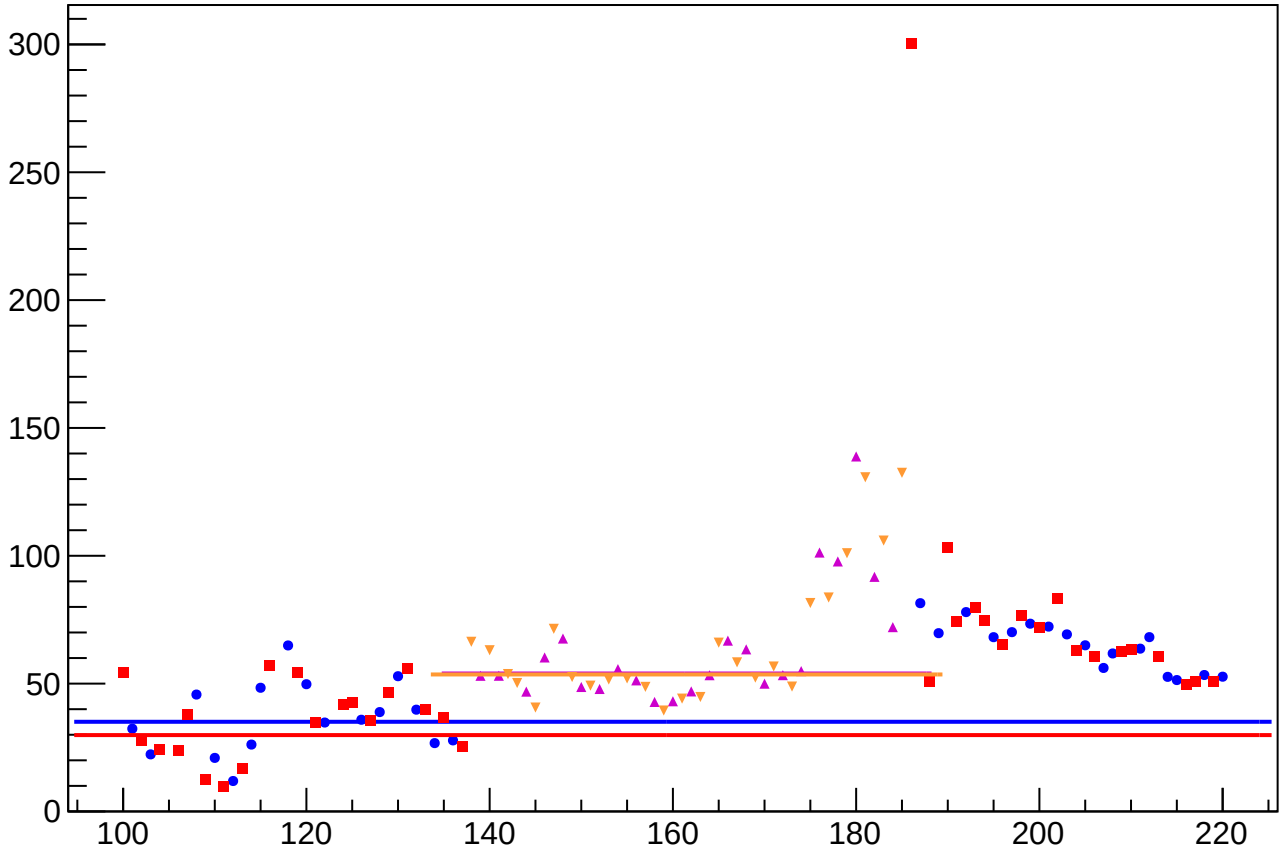
+ sign 41.165+/-0.005 χ^2/NDF: 15421616.2/57

All: 38.673+/-0.004 χ^2/NDF: 36660937.0/11

- sign 36.470+/-0.005 χ^2/NDF: 20805437.6/59


asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs Slug
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
220
Right In: -0.009+/-0.009 χ²/NDF: 48.3/32
Left Out: -0.018+/-0.013 χ²/NDF:24.3/24
Right Out: -0.029+/-0.008 χ²/NDF: 176.7/36
Left In: -0.007+/-0.013 χ²/NDF:18.7/22
+ sign -0.012+/-0.007 χ²/NDF: 73.0/57
All: -0.018+/-0.005 χ²/NDF: 271.8/117
- sign -0.023+/-0.007 χ²/NDF: 197.5/59

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.072+/-0.006 χ^2/NDF: 9973748.9/32

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

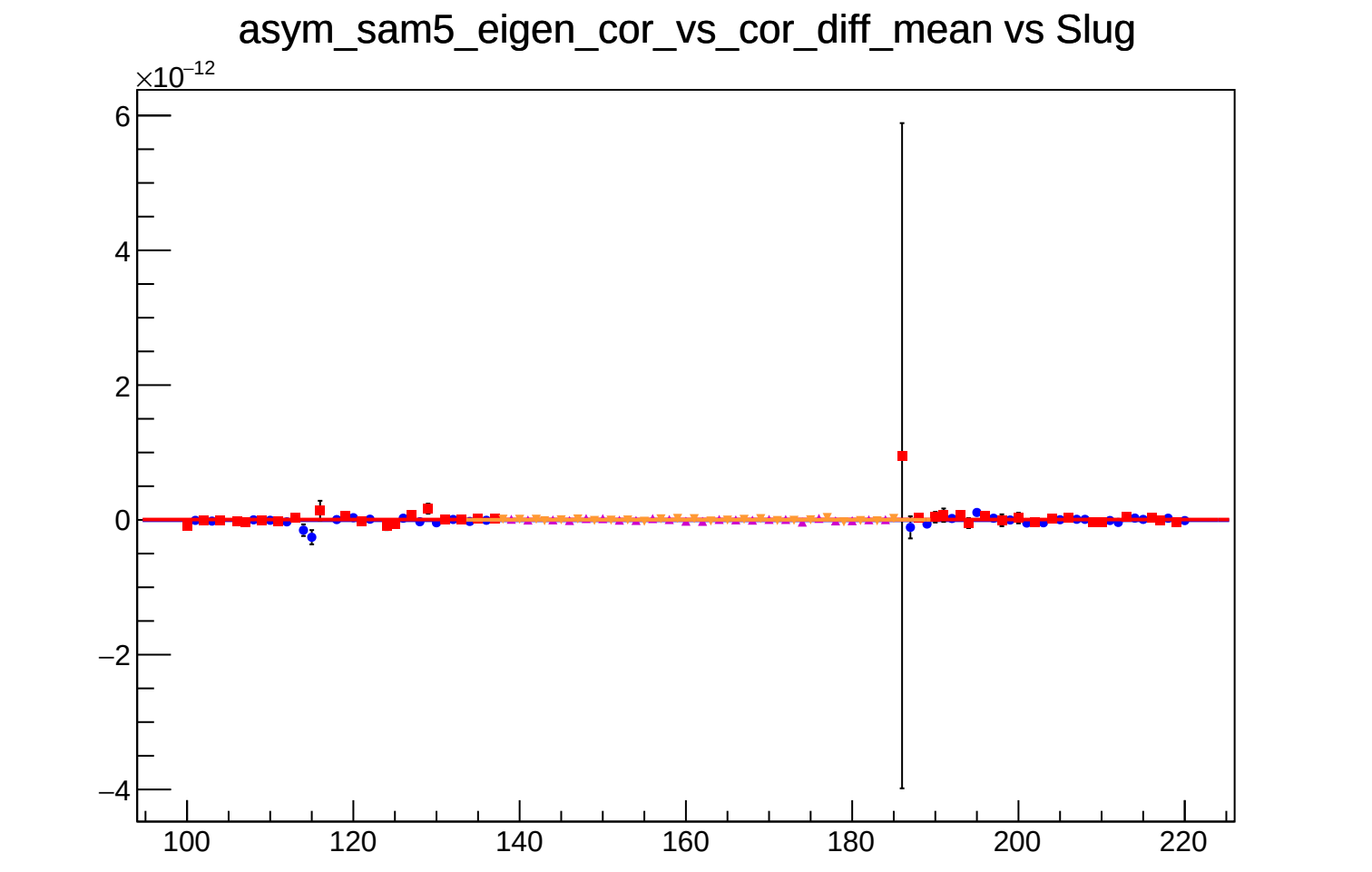
Right Out: 29.868+/-0.006 χ^2/NDF: 13923408.8/36

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 41.165+/-0.005 χ^2/NDF: 15421616.2/57

All: 38.673+/-0.004 χ^2/NDF: 36660937.0/11

- sign 36.470+/-0.005 χ^2/NDF: 20805437.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 24.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:27.4/24

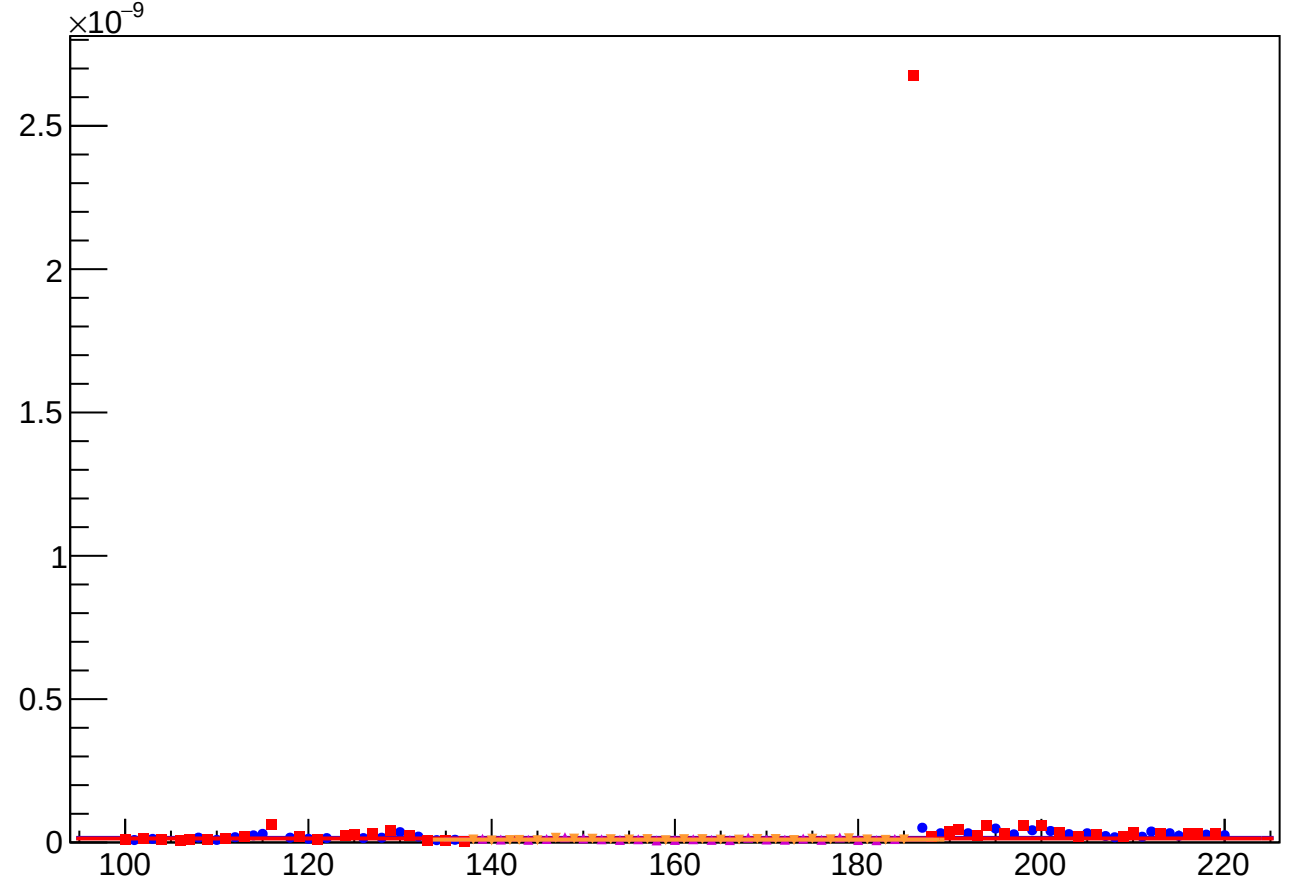
Right Out: 0.000+/-0.000 χ^2/NDF: 41.3/36

Left In: 0.000+/-0.000 χ^2/NDF:18.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.6/57

All: 0.000+/-0.000 χ^2/NDF: 114.1/117

- sign 0.000+/-0.000 χ^2/NDF: 60.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 6431187.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10191052.7/36

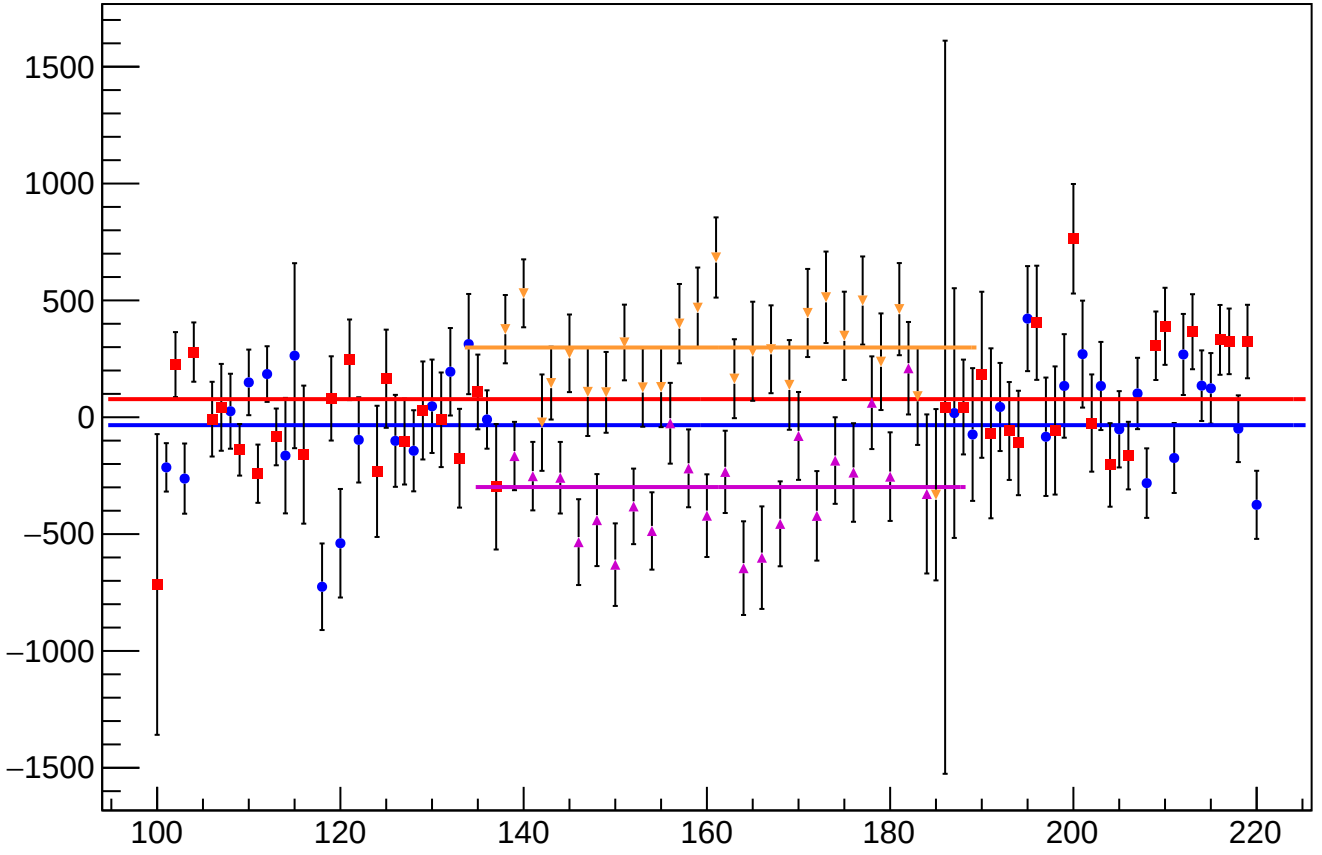
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9908396.7/57

All: 0.000+/-0.000 χ^2/NDF: 22300931.7/117

- sign 0.000+/-0.000 χ^2/NDF: 12392265.8/59

reg_asym_sam6_mean vs Slug



Right In: -33.844+/-29.734 χ^2/NDF: 57.8/32

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 77.512+/-29.443 χ^2/NDF: 60.5/36

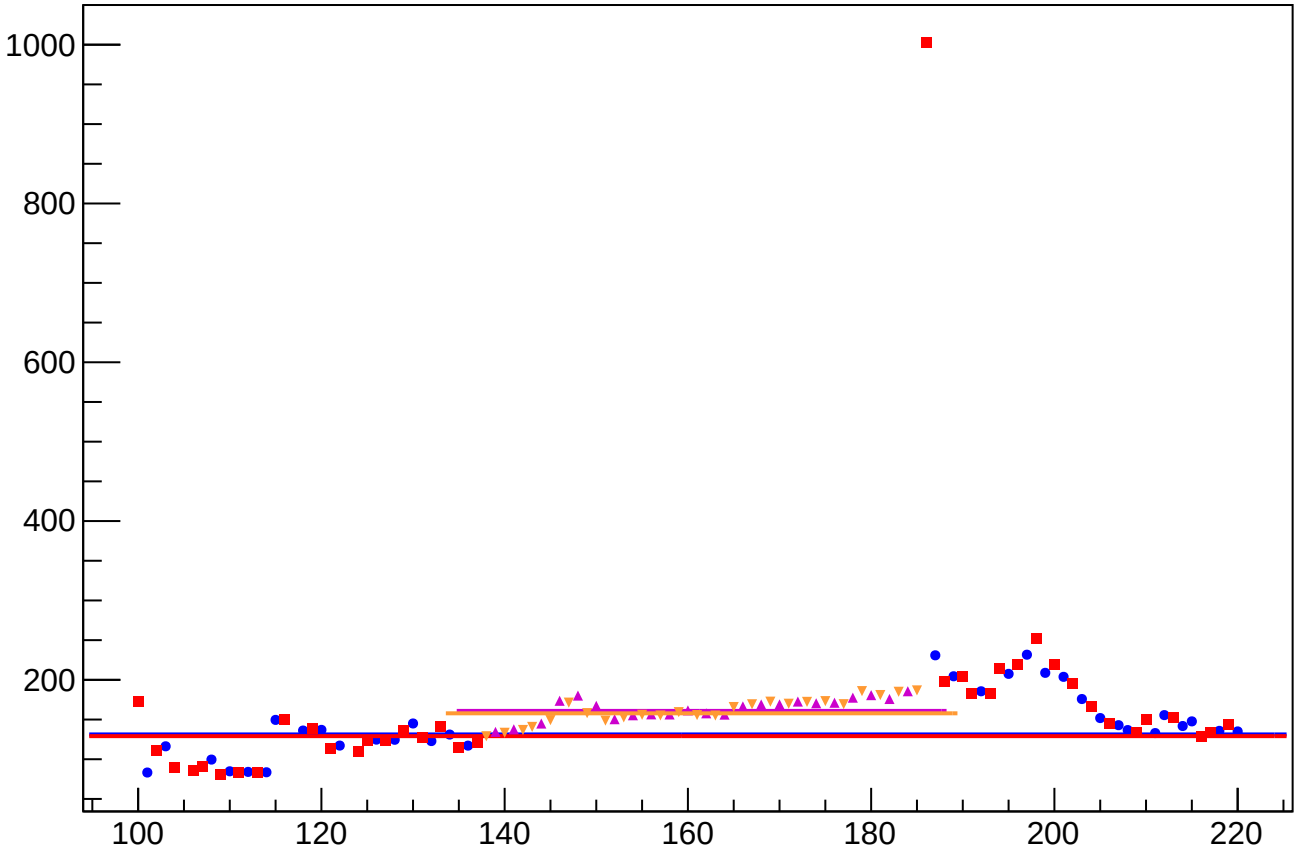
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 100.713+/-22.938 χ^2/NDF: 134.4/57

All: 18.894+/-16.315 χ^2/NDF: 311.9/117

- sign -64.880+/-23.211 χ^2/NDF: 151.7/59

reg_asym_sam6_rms vs Slug



Right In: 131.241+/-0.021 χ^2/NDF: 2792439.5/32

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 129.086+/-0.021 χ^2/NDF: 4268901.9/36

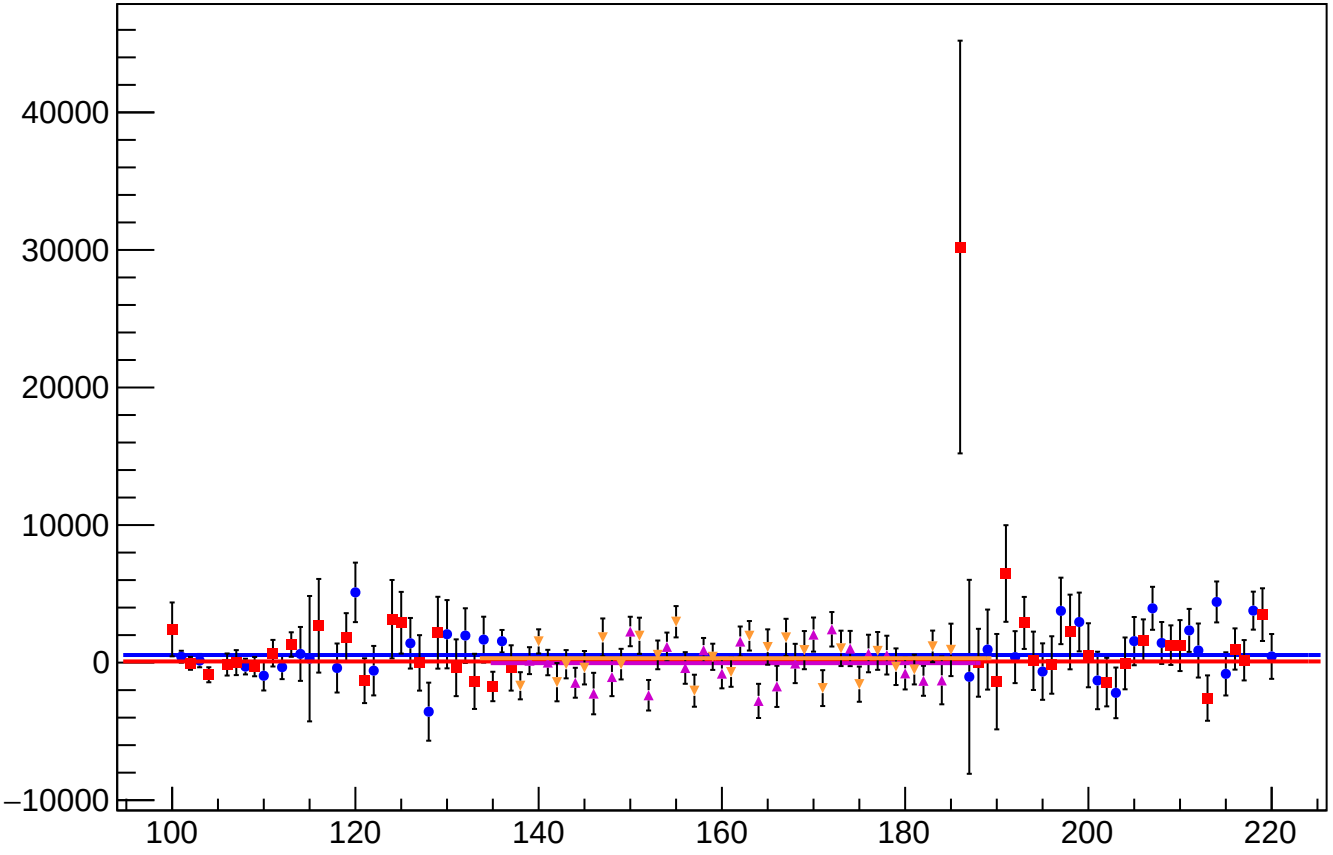
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.008+/-0.016 χ^2/NDF: 3817454.3/57

All: 141.568+/-0.012 χ^2/NDF: 9238657.9/117

- sign 141.118+/-0.016 χ^2/NDF: 5419716.1/59

asym_sam6_reg_correction_mean vs Slug



Right In: 552.447+/-204.303 χ^2/NDF: 44.1/32

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 85.696+/-207.149 χ^2/NDF: 35.9/36

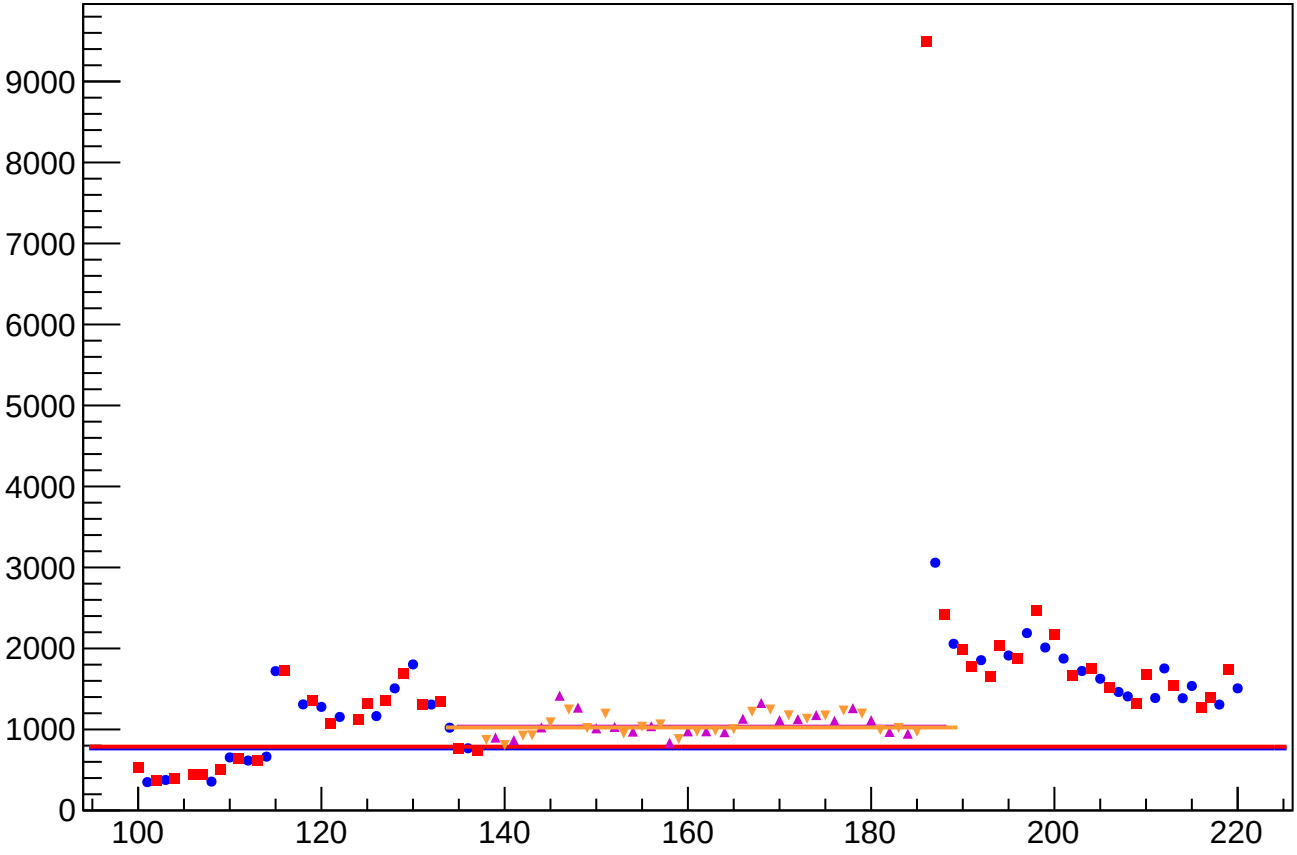
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 452.405+/-154.207 χ^2/NDF: 77.2/57

All: 247.947+/-110.343 χ^2/NDF: 151.6/117

- sign 33.422+/-157.957 χ^2/NDF: 70.8/59

asym_sam6_reg_correction_rms vs Slug



Right In: 766.323+/-0.144 χ^2/NDF: 13603853.6/32

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 787.279+/-0.146 χ^2/NDF: 13741708.3/36

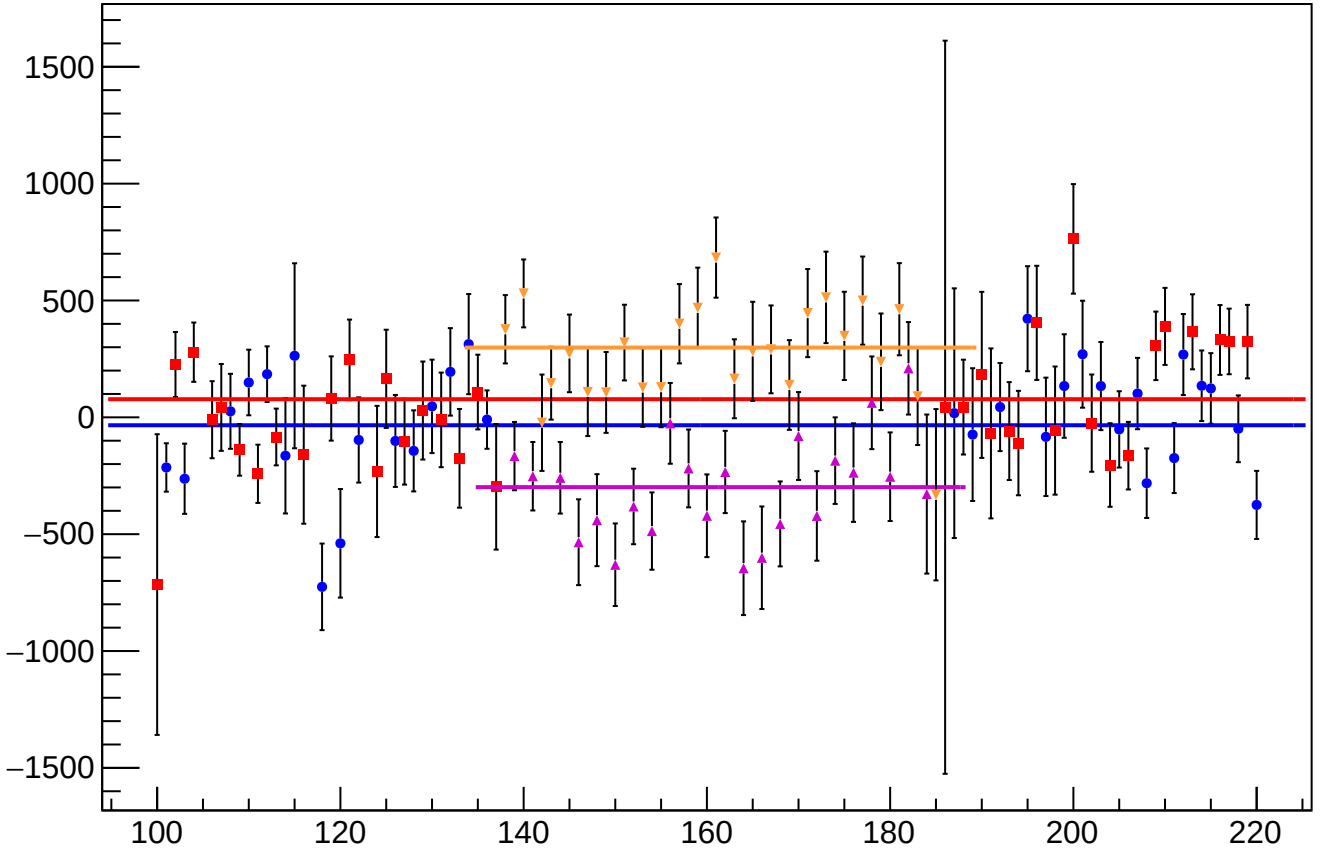
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 877.411+/-0.109 χ^2/NDF: 15575681.4/57

All: 883.907+/-0.078 χ^2/NDF: 31144727.7/11

- sign 890.722+/-0.112 χ^2/NDF: 15561774.2/59

cor_asym_sam6_mean vs Slug



Right In: -33.855+/-29.734 χ^2/NDF: 57.8/32

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 77.645+/-29.473 χ^2/NDF: 60.5/36

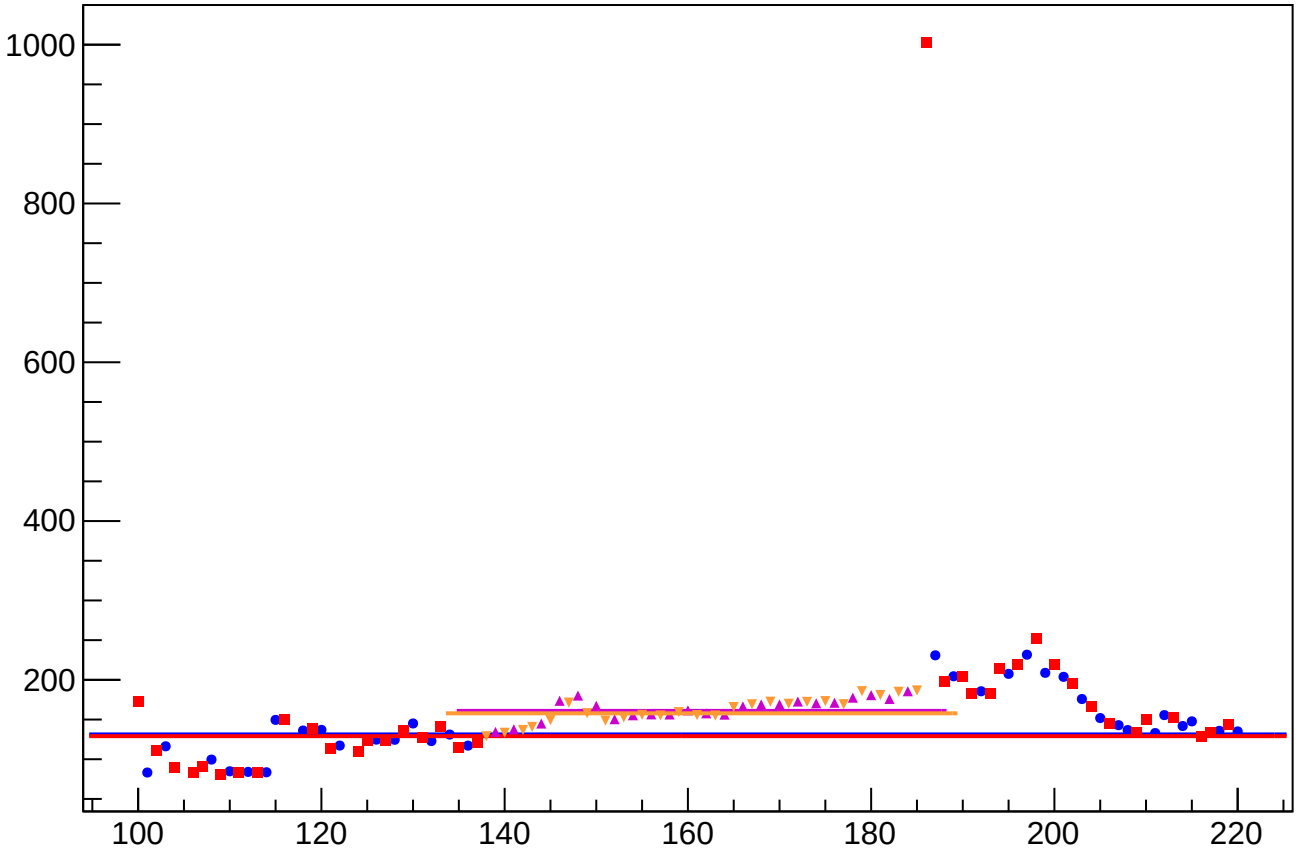
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 100.707+/-22.938 χ^2/NDF: 134.4/57

All: 18.893+/-16.321 χ^2/NDF: 311.9/117

- sign -64.984+/-23.226 χ^2/NDF: 151.7/59

cor_asym_sam6_rms vs Slug



Right In: 131.241+/-0.021 χ^2/NDF: 2792437.2/32

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 129.074+/-0.021 χ^2/NDF: 4280765.1/36

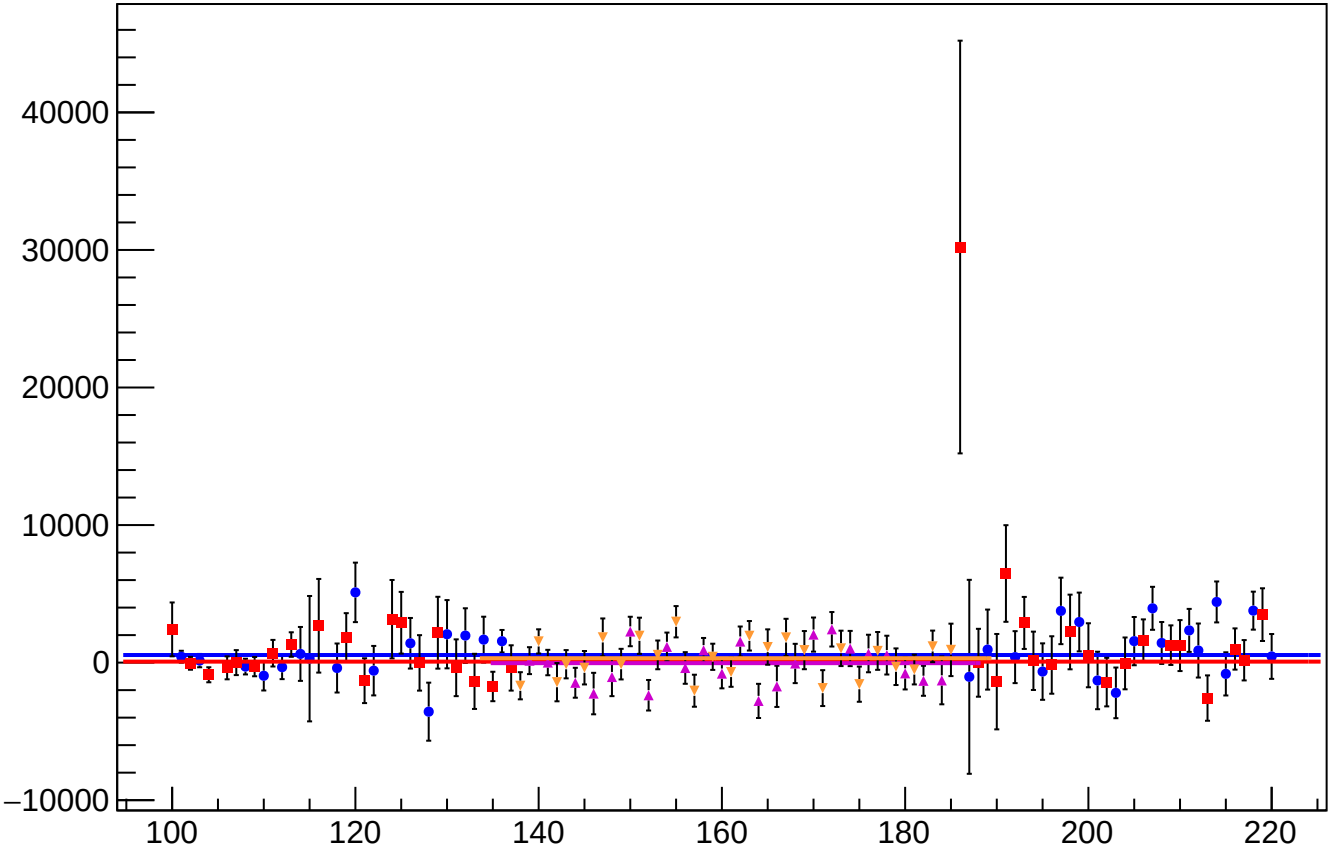
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.008+/-0.016 χ^2/NDF: 3817450.2/57

All: 141.573+/-0.012 χ^2/NDF: 9250426.7/117

- sign 141.126+/-0.016 χ^2/NDF: 5431518.0/59

asym_sam6_cor_correction_mean vs Slug



Right In: 552.544+/-204.299 χ^2/NDF: 44.1/32

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 72.289+/-207.593 χ^2/NDF: 36.1/36

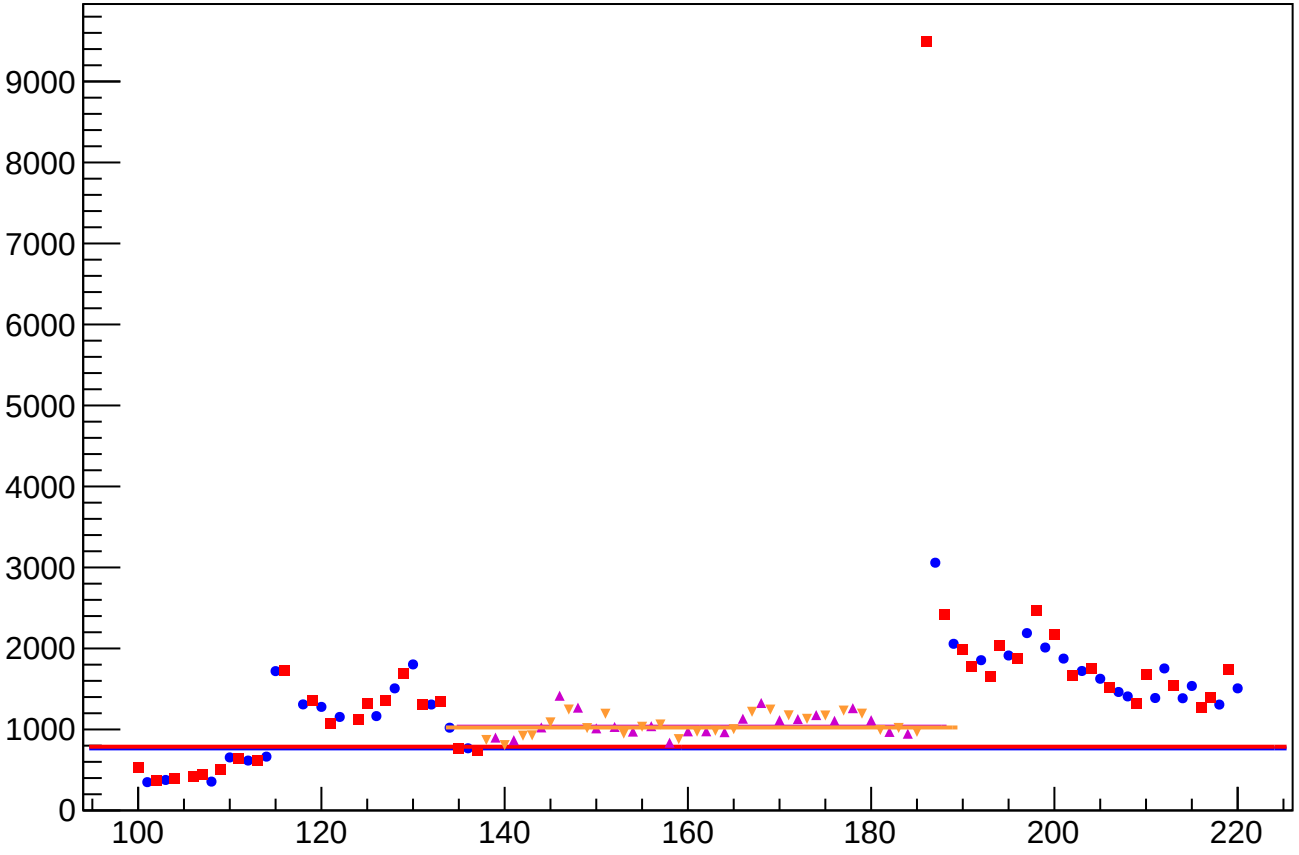
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 452.465+/-154.205 χ^2/NDF: 77.2/57

All: 244.386+/-110.409 χ^2/NDF: 151.9/117

- sign 25.510+/-158.154 χ^2/NDF: 71.0/59

asym_sam6_cor_correction_rms vs Slug



Right In: 766.295+/-0.144 χ^2/NDF: 13604551.5/32

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 786.991+/-0.147 χ^2/NDF: 13777573.4/36

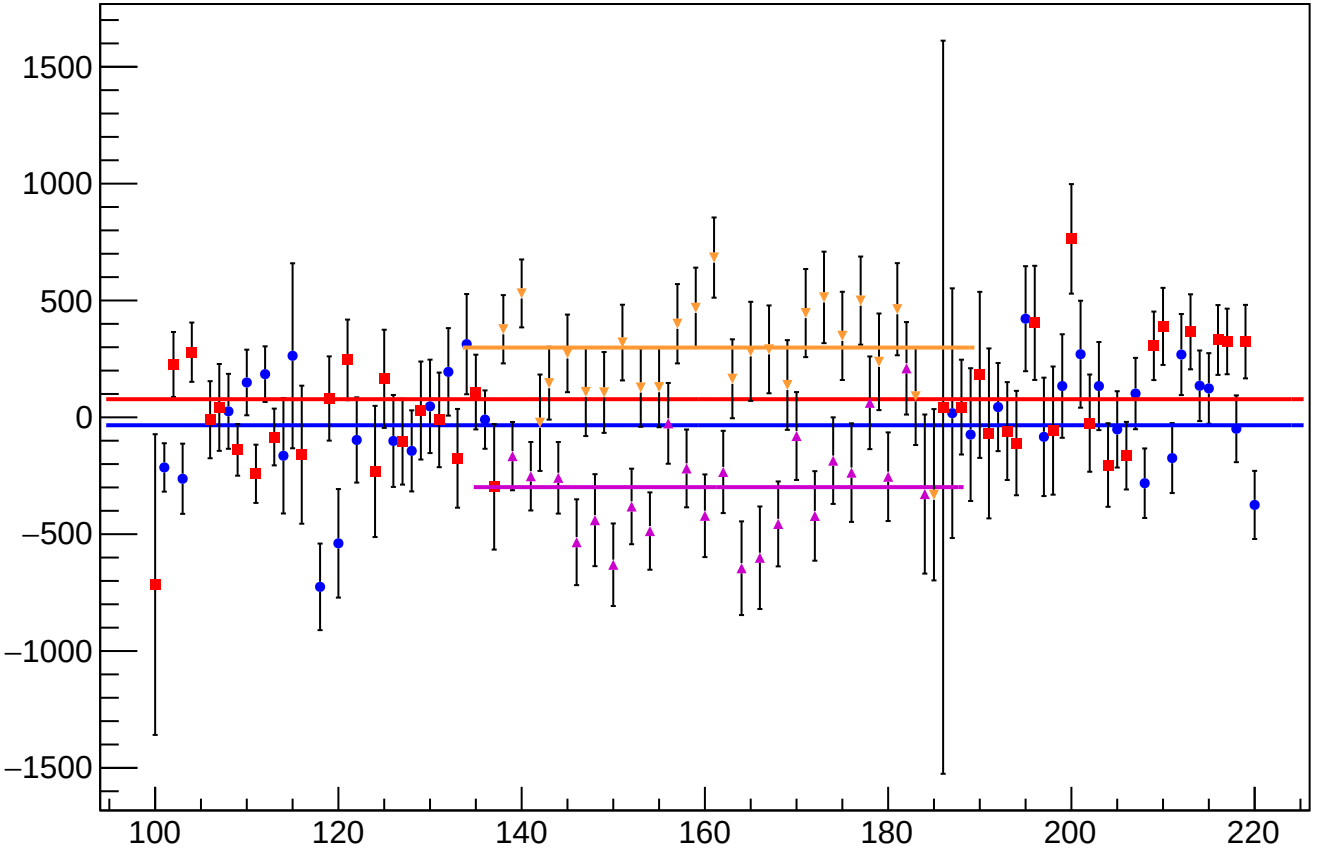
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 877.392+/-0.109 χ^2/NDF: 15576708.8/57

All: 883.933+/-0.078 χ^2/NDF: 31182362.6/11

- sign 890.813+/-0.112 χ^2/NDF: 15598270.1/59

eigen_cor_asym_sam6_mean vs Slug



Right In: -33.855+/-29.734 χ^2/NDF: 57.8/32

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 77.645+/-29.473 χ^2/NDF: 60.5/36

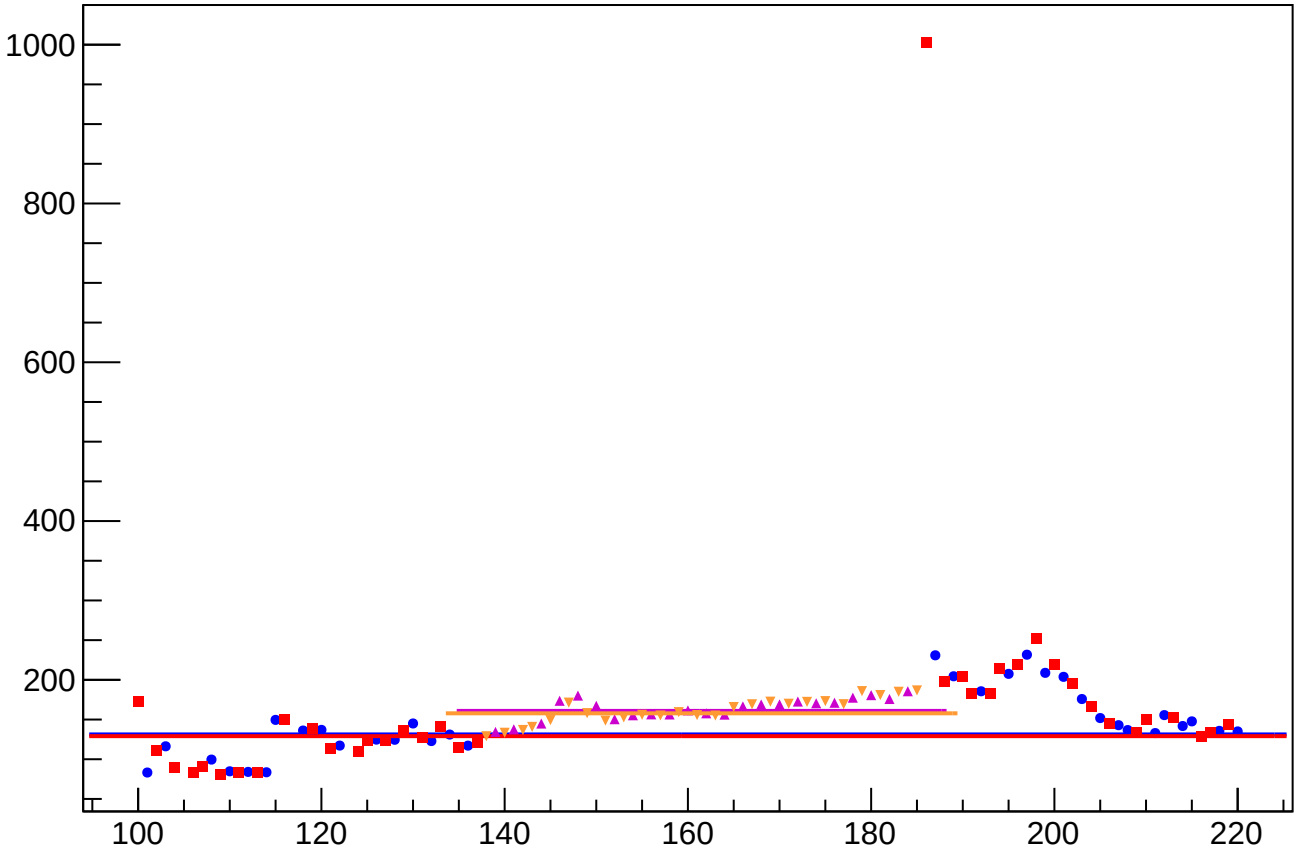
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 100.707+/-22.938 χ^2/NDF: 134.4/57

All: 18.893+/-16.321 χ^2/NDF: 311.9/117

- sign -64.984+/-23.226 χ^2/NDF: 151.7/59

eigen_cor_asym_sam6_rms vs Slug



Right In: 131.241+/-0.021 χ^2/NDF: 2792437.2/32

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 129.074+/-0.021 χ^2/NDF: 4280765.1/36

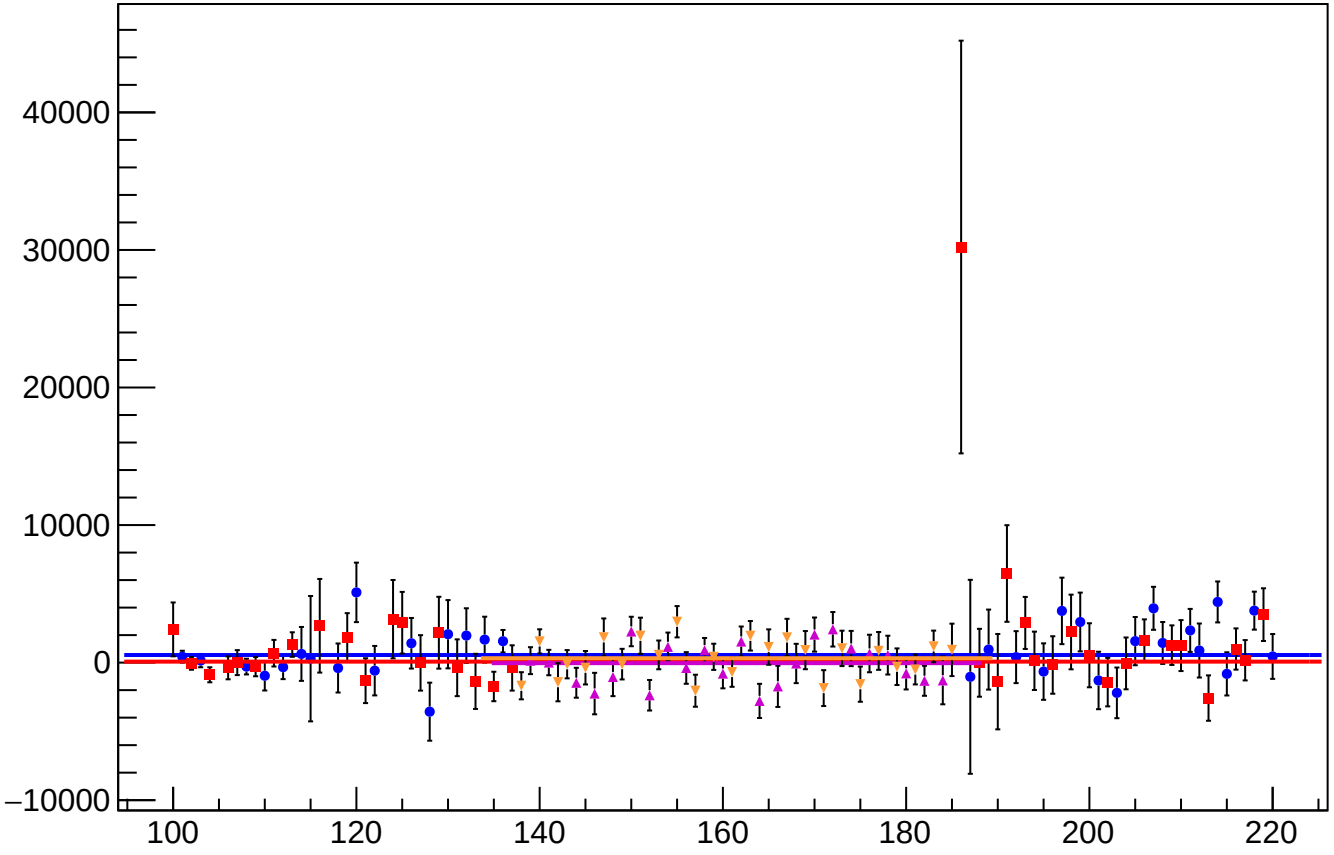
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.008+/-0.016 χ^2/NDF: 3817450.2/57

All: 141.573+/-0.012 χ^2/NDF: 9250426.7/117

- sign 141.126+/-0.016 χ^2/NDF: 5431518.0/59

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 552.544+/-204.299 χ^2/NDF: 44.1/32

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 72.289+/-207.593 χ^2/NDF: 36.1/36

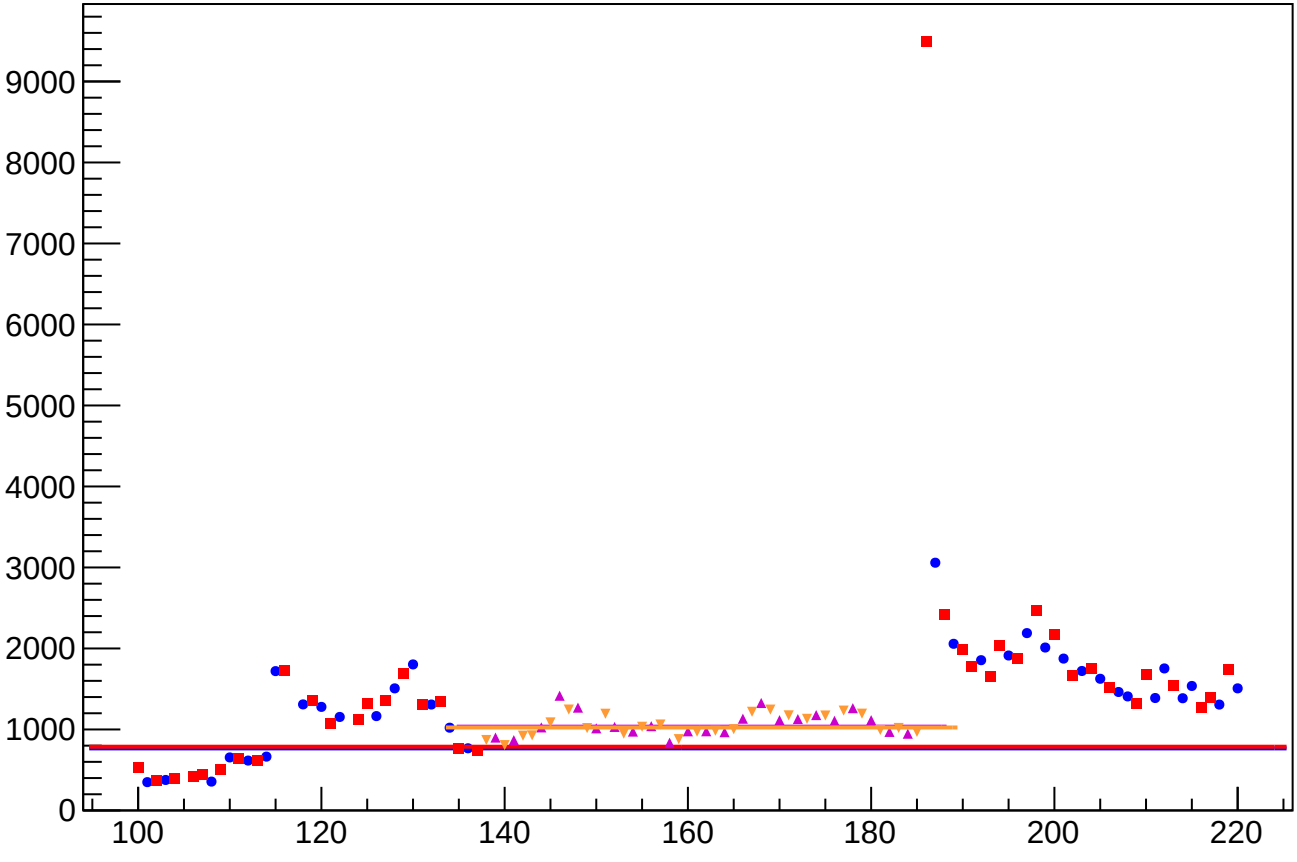
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 452.465+/-154.205 χ^2/NDF: 77.2/57

All: 244.386+/-110.409 χ^2/NDF: 151.9/117

- sign 25.510+/-158.154 χ^2/NDF: 71.0/59

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 766.295+/-0.144 χ^2/NDF: 13604551.5/32

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 786.991+/-0.147 χ^2/NDF: 13777573.4/36

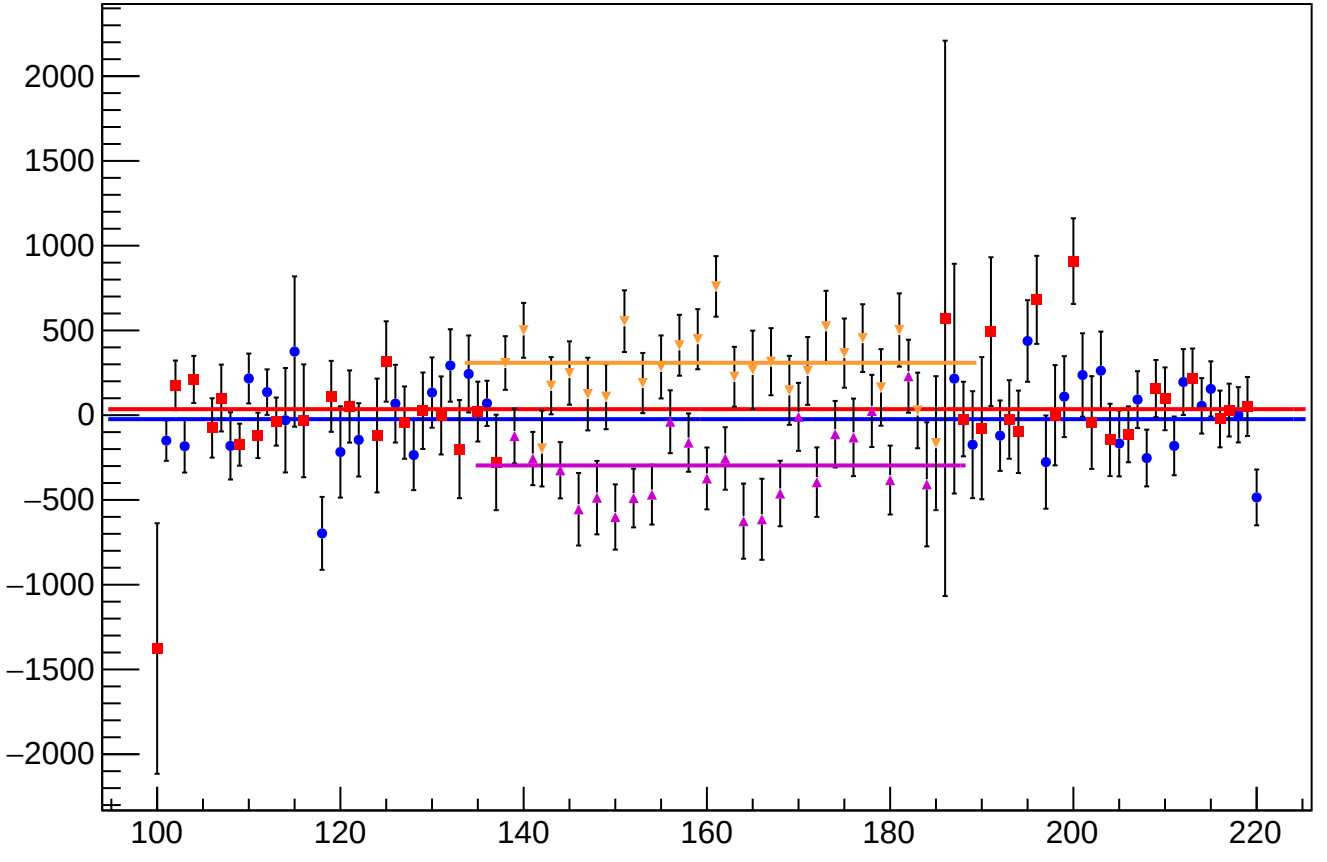
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 877.392+/-0.109 χ^2/NDF: 15576708.8/57

All: 883.933+/-0.078 χ^2/NDF: 31182362.6/11

- sign 890.813+/-0.112 χ^2/NDF: 15598270.1/59

dit_asym_sam6_mean vs Slug



Right In: -23.478+/-33.329 χ^2/NDF: 46.5/32

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 35.620+/-33.069 χ^2/NDF: 38.3/36

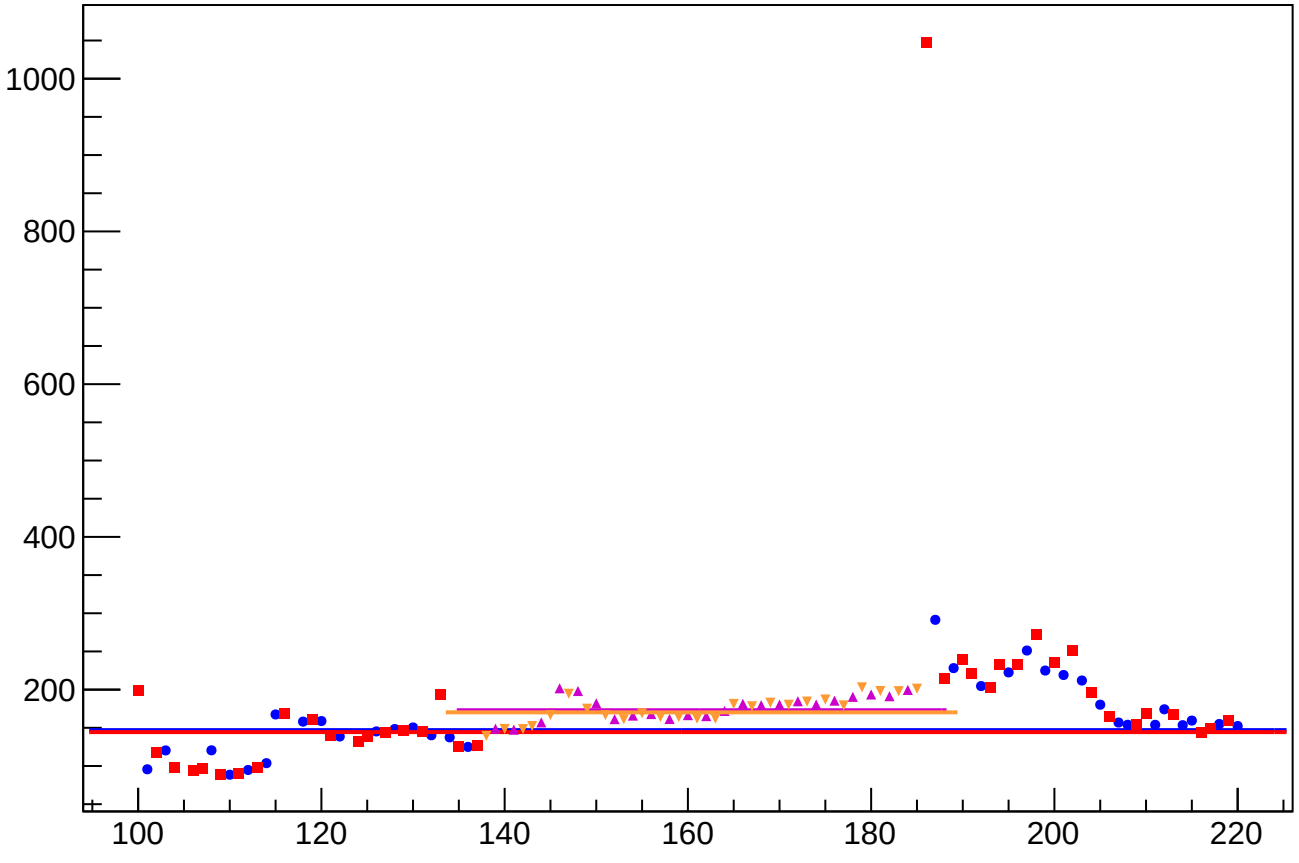
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 117.278+/-25.310 χ^2/NDF: 114.2/57

All: 11.628+/-18.013 χ^2/NDF: 255.8/117

- sign -96.813+/-25.642 χ^2/NDF: 106.3/59

dit_asym_sam6_rms vs Slug



Right In: 146.974+/-0.024 χ^2/NDF: 2737372.0/32

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 144.382+/-0.023 χ^2/NDF: 4439979.5/36

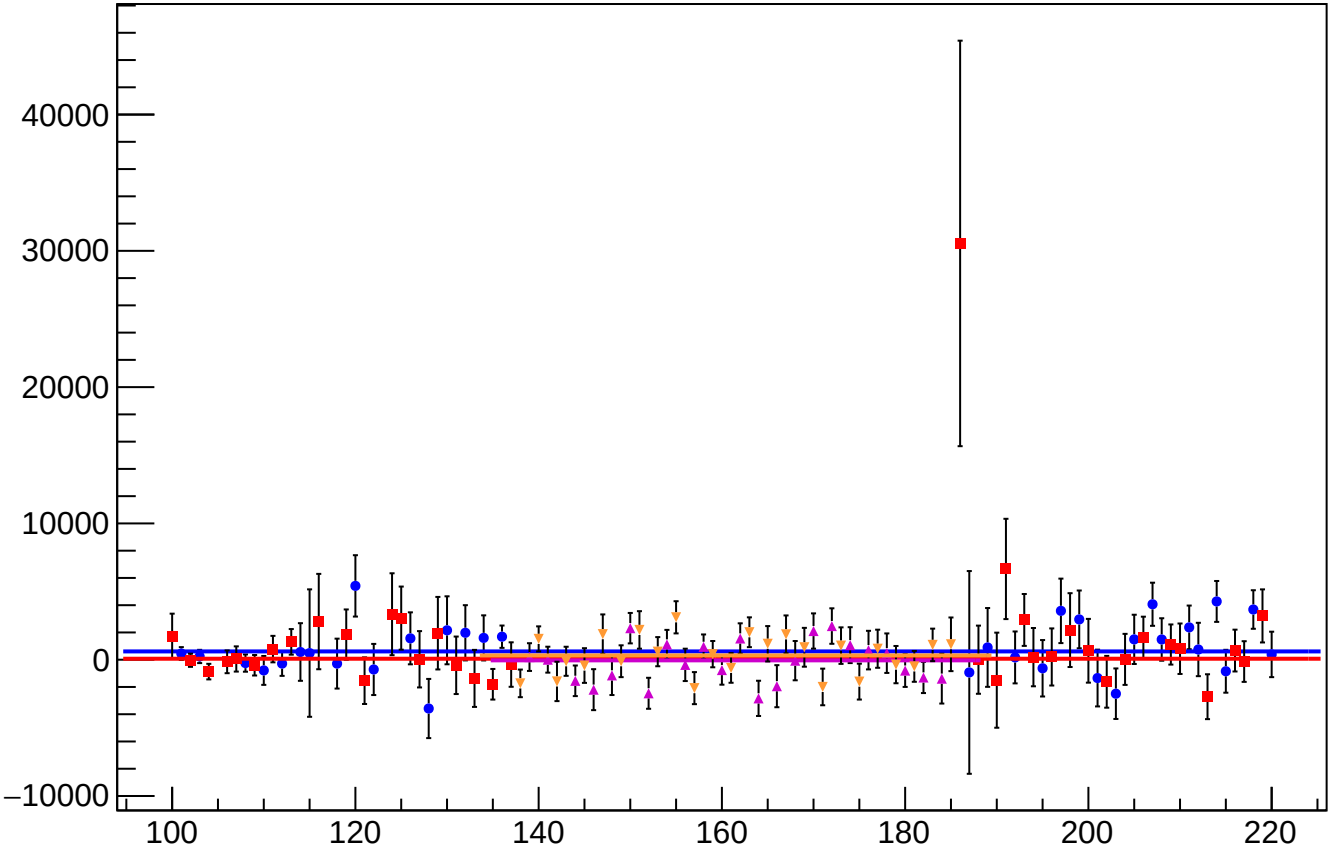
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 156.823+/-0.018 χ^2/NDF: 3516271.2/57

All: 156.319+/-0.013 χ^2/NDF: 8849823.2/117

- sign 155.803+/-0.018 χ^2/NDF: 5331949.0/59

asym_sam6_dit_correction_mean vs Slug



Right In: 608.857+/-212.298 χ^2/NDF: 42.5/32

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 71.350+/-213.713 χ^2/NDF: 34.2/36

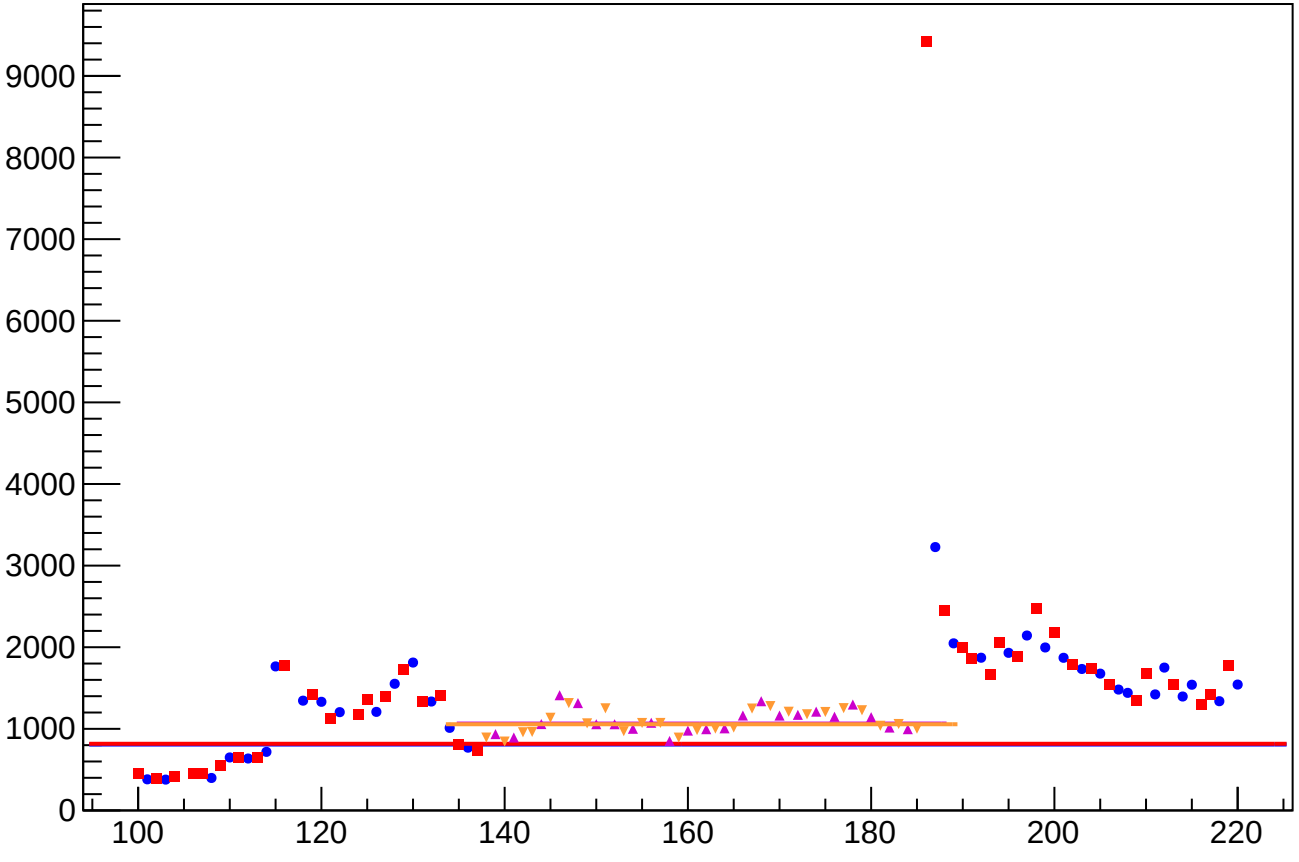
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

\+ sign 480.708+/-159.707 χ^2/NDF: 76.3/57

All: 255.527+/-114.004 χ^2/NDF: 149.1/117

\- sign 21.571+/-162.788 χ^2/NDF: 68.8/59

asym_sam6_dit_correction_rms vs Slug



Right In: 807.742+/-0.150 χ^2/NDF: 12828792.0/32

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 816.931+/-0.151 χ^2/NDF: 13466322.6/36

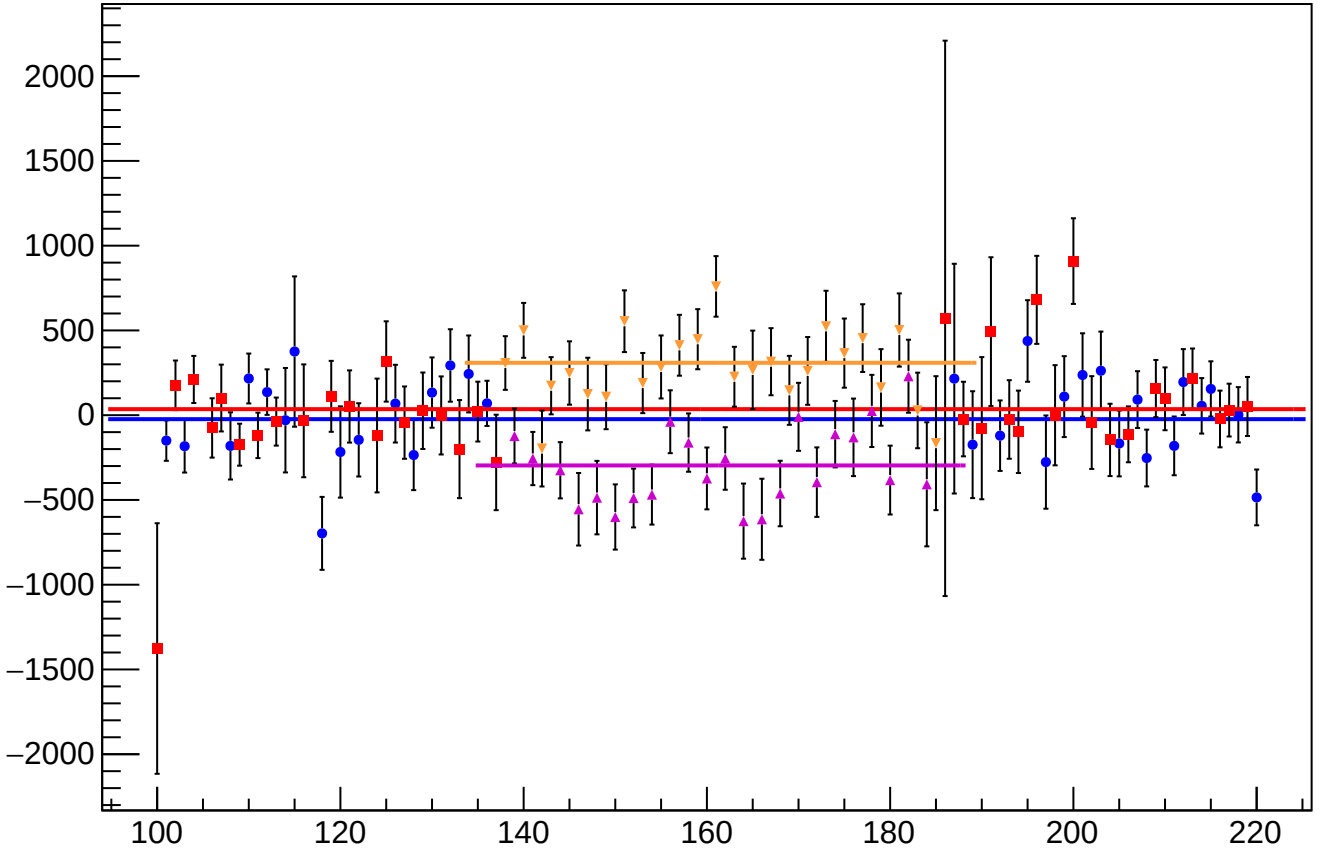
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 915.649+/-0.113 χ^2/NDF: 14629819.3/57

All: 918.243+/-0.081 χ^2/NDF: 29836671.0/11

- sign 920.938+/-0.115 χ^2/NDF: 15205776.2/59

eigen_dit_asym_sam6_mean vs Slug



Right In: -23.480+/-33.329 χ^2/NDF: 46.5/32

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 35.619+/-33.069 χ^2/NDF: 38.3/36

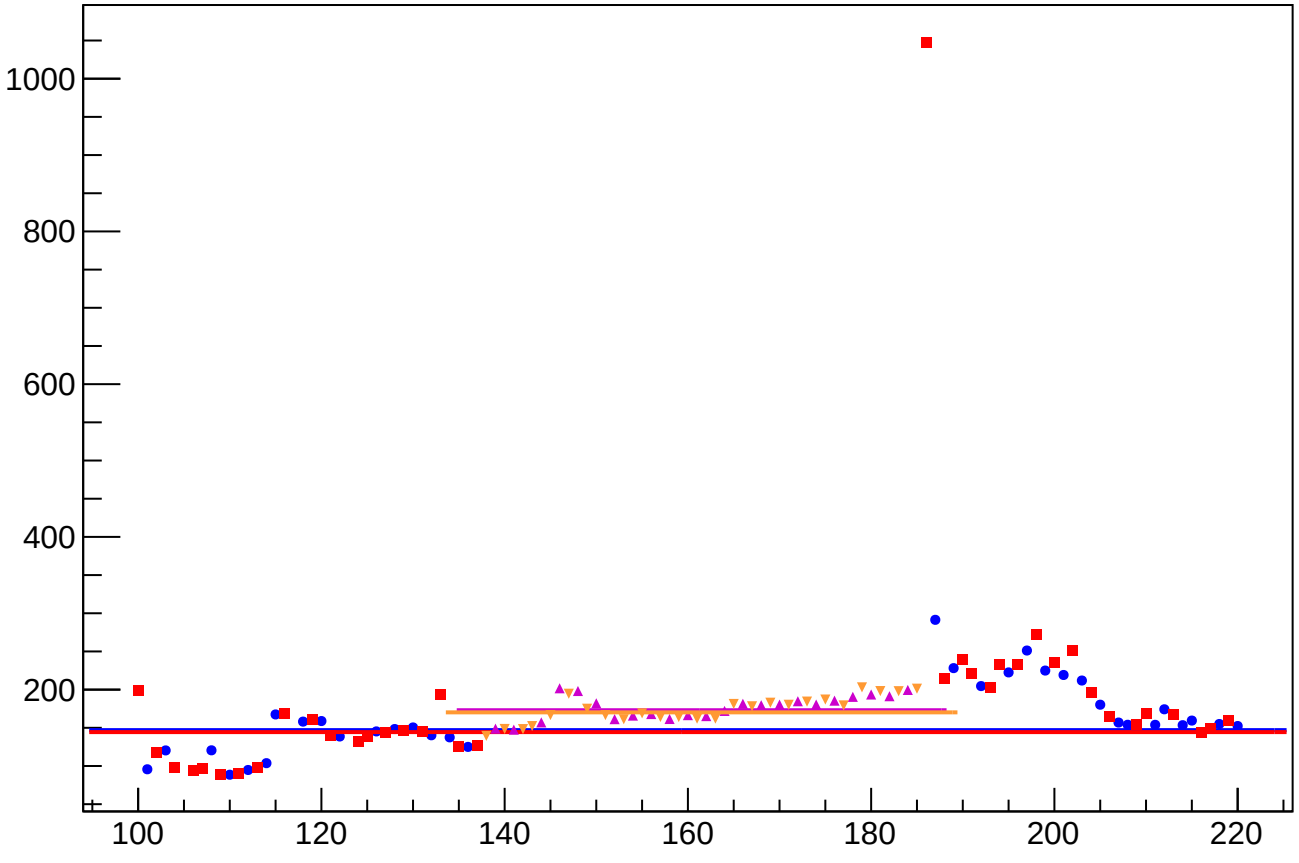
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 117.278+/-25.310 χ^2/NDF: 114.2/57

All: 11.627+/-18.013 χ^2/NDF: 255.8/117

- sign -96.814+/-25.642 χ^2/NDF: 106.3/59

eigen_dit_asym_sam6_rms vs Slug



Right In: 146.973+/-0.024 χ^2/NDF: 2737392.8/32

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 144.381+/-0.023 χ^2/NDF: 4439987.8/36

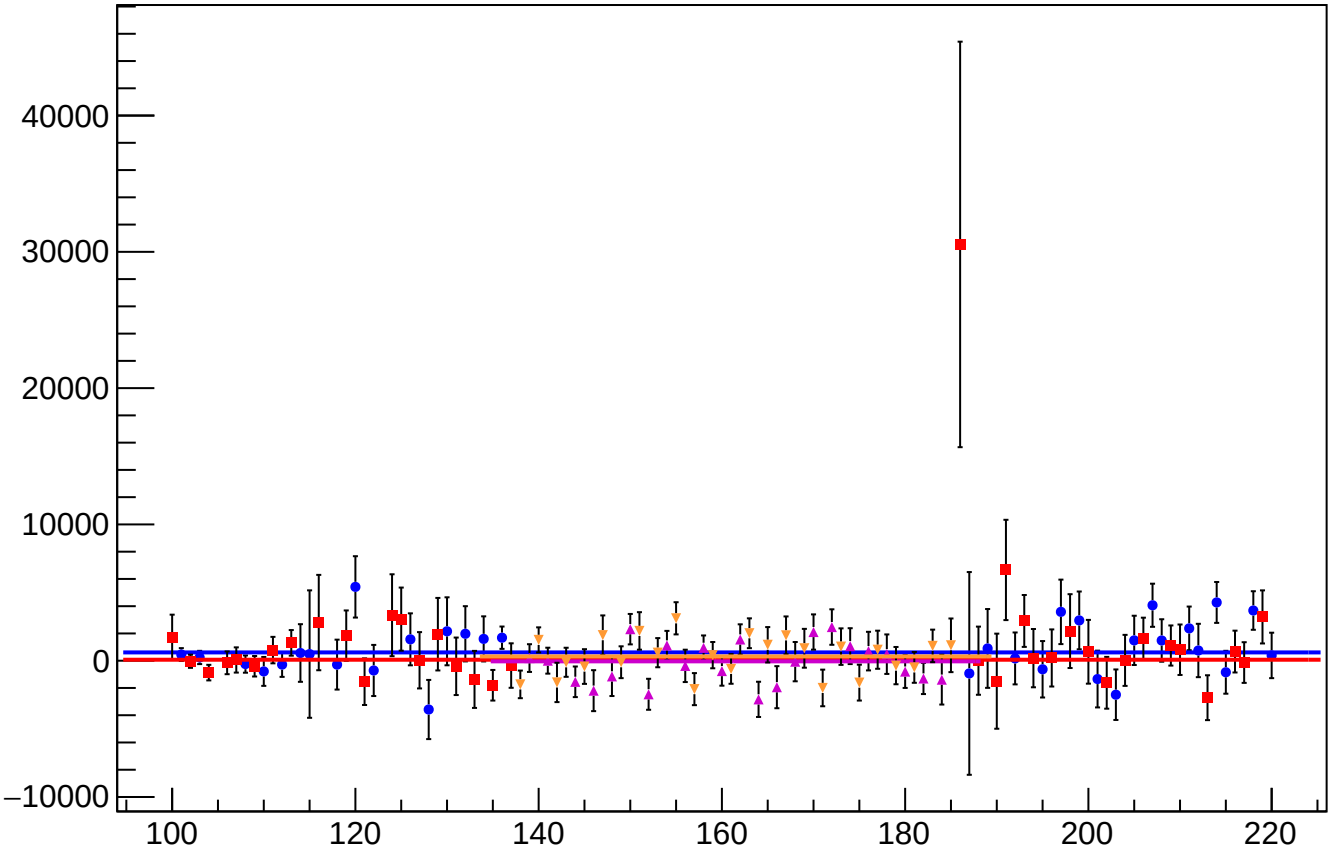
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 156.823+/-0.018 χ^2/NDF: 3516292.7/57

All: 156.319+/-0.013 χ^2/NDF: 8849854.7/117

- sign 155.803+/-0.018 χ^2/NDF: 5331959.1/59

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 608.855+/-212.298 χ^2/NDF: 42.5/32

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 71.348+/-213.712 χ^2/NDF: 34.2/36

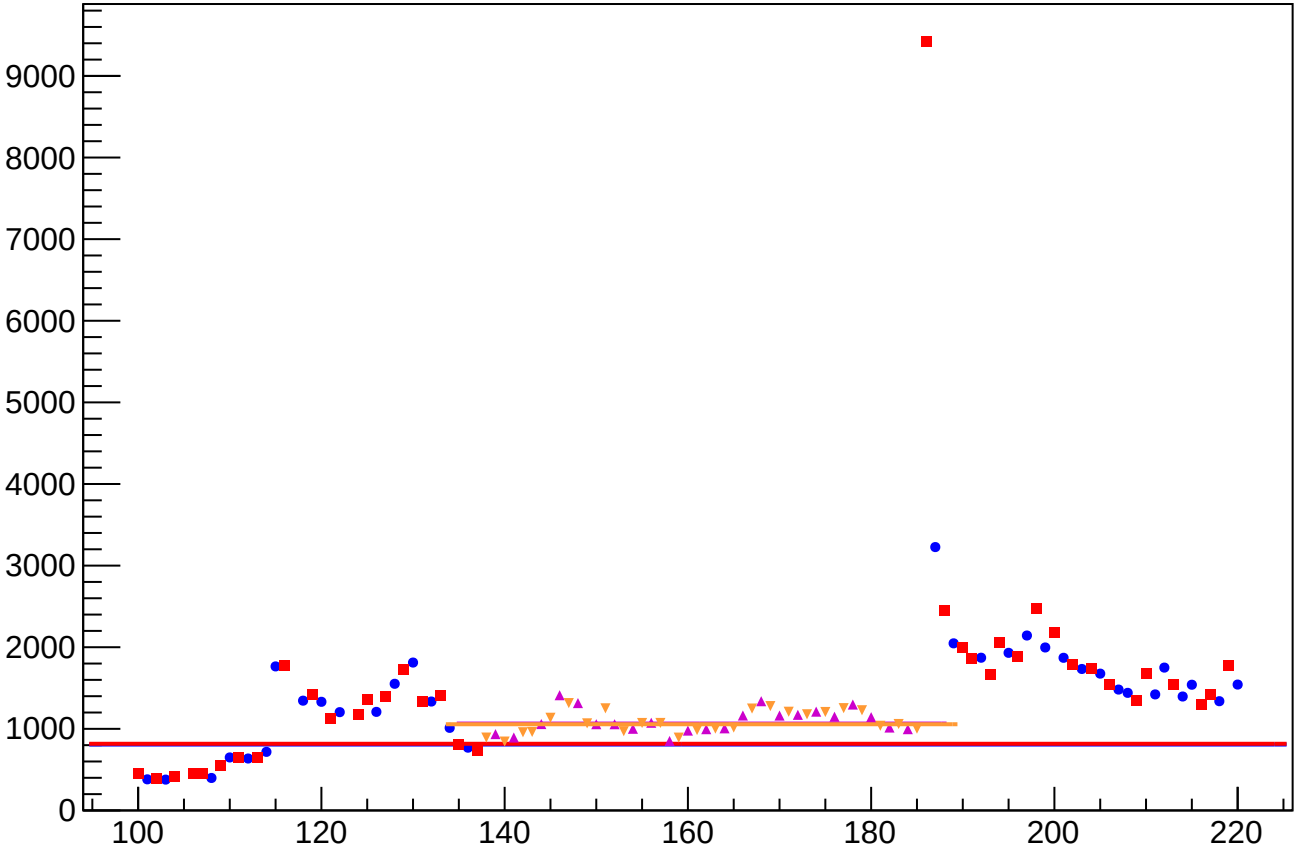
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 480.708+/-159.706 χ^2/NDF: 76.3/57

All: 255.527+/-114.004 χ^2/NDF: 149.1/117

- sign 21.570+/-162.788 χ^2/NDF: 68.8/59

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 807.741+/-0.150 χ^2/NDF: 12828812.2/32

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 816.930+/-0.151 χ^2/NDF: 13466332.1/36

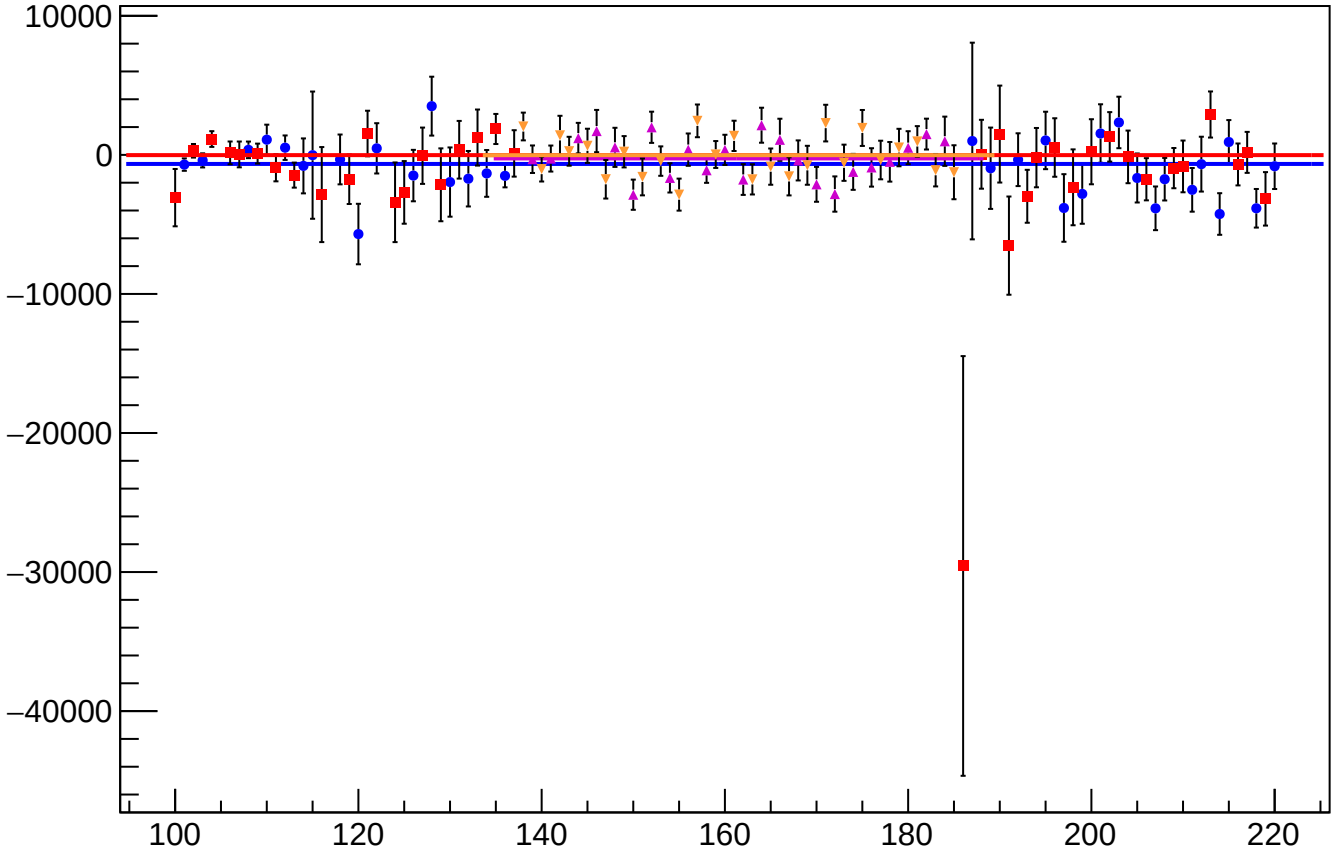
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 915.649+/-0.113 χ^2/NDF: 14629856.4/57

All: 918.242+/-0.081 χ^2/NDF: 29836727.9/11

- sign 920.937+/-0.115 χ^2/NDF: 15205795.9/59

asym_sam6_mean vs Slug



Right In: -651.556+/-209.265 χ^2/NDF: 44.8/32

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: -17.006+/-211.671 χ^2/NDF: 38.9/36

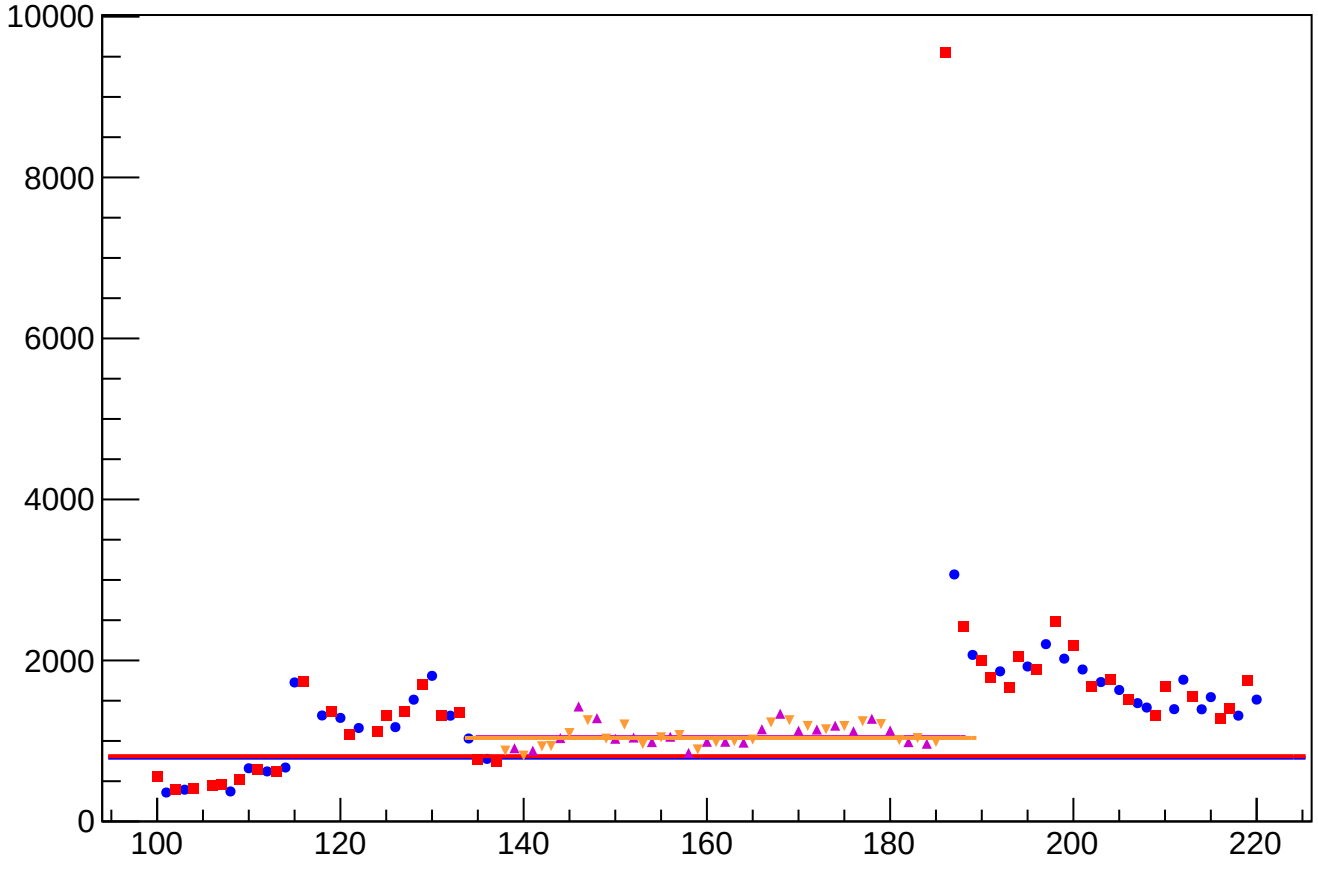
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -376.961+/-157.147 χ^2/NDF: 83.2/57

All: -250.370+/-112.383 χ^2/NDF: 157.5/117

- sign -117.854+/-160.782 χ^2/NDF: 73.0/59

asym_sam6_rms vs Slug



Right In: 792.273+/-0.148 χ^2/NDF: 13072136.4/32

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

Right Out: 810.944+/-0.150 χ^2/NDF: 13290253.7/36

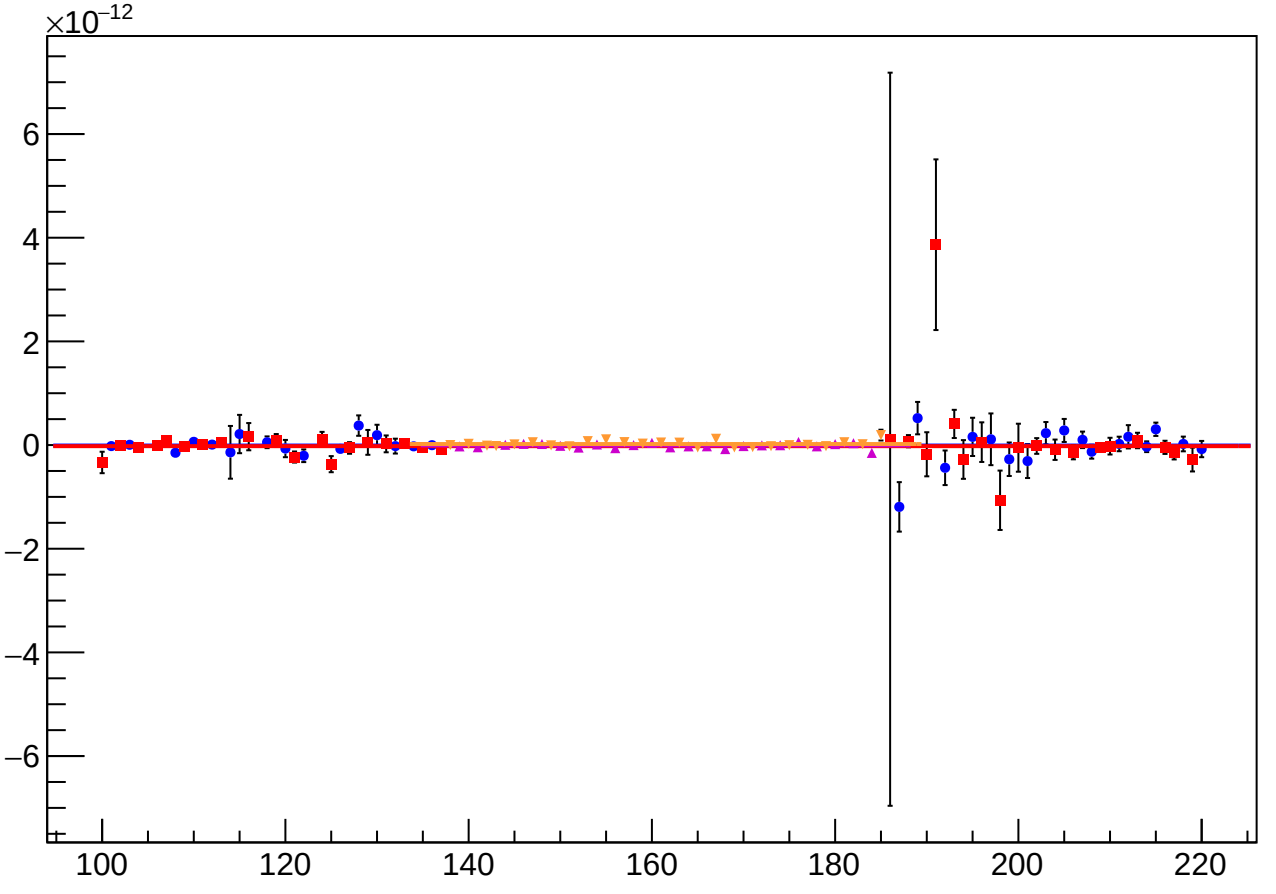
Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 899.134+/-0.111 χ^2/NDF: 14853596.5/57

All: 904.965+/-0.079 χ^2/NDF: 29820682.9/11

- sign 911.069+/-0.114 χ^2/NDF: 14961450.6/59

asym_sam6_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 39.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/36

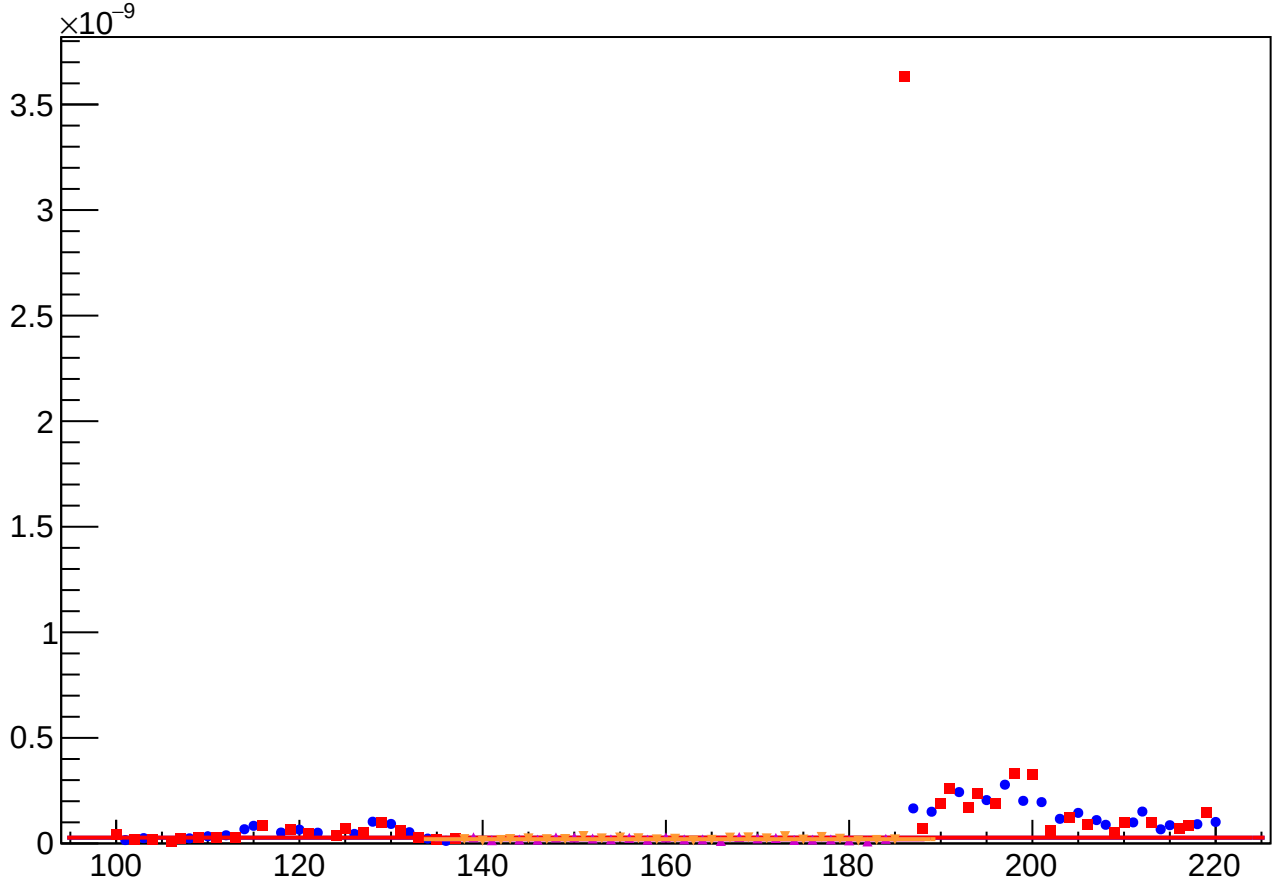
Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 73.5/57

All: 0.000+/-0.000 χ^2/NDF: 134.8/117

- sign -0.000+/-0.000 χ^2/NDF: 55.9/59

asym_sam6_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 10577467.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9559620.3/36

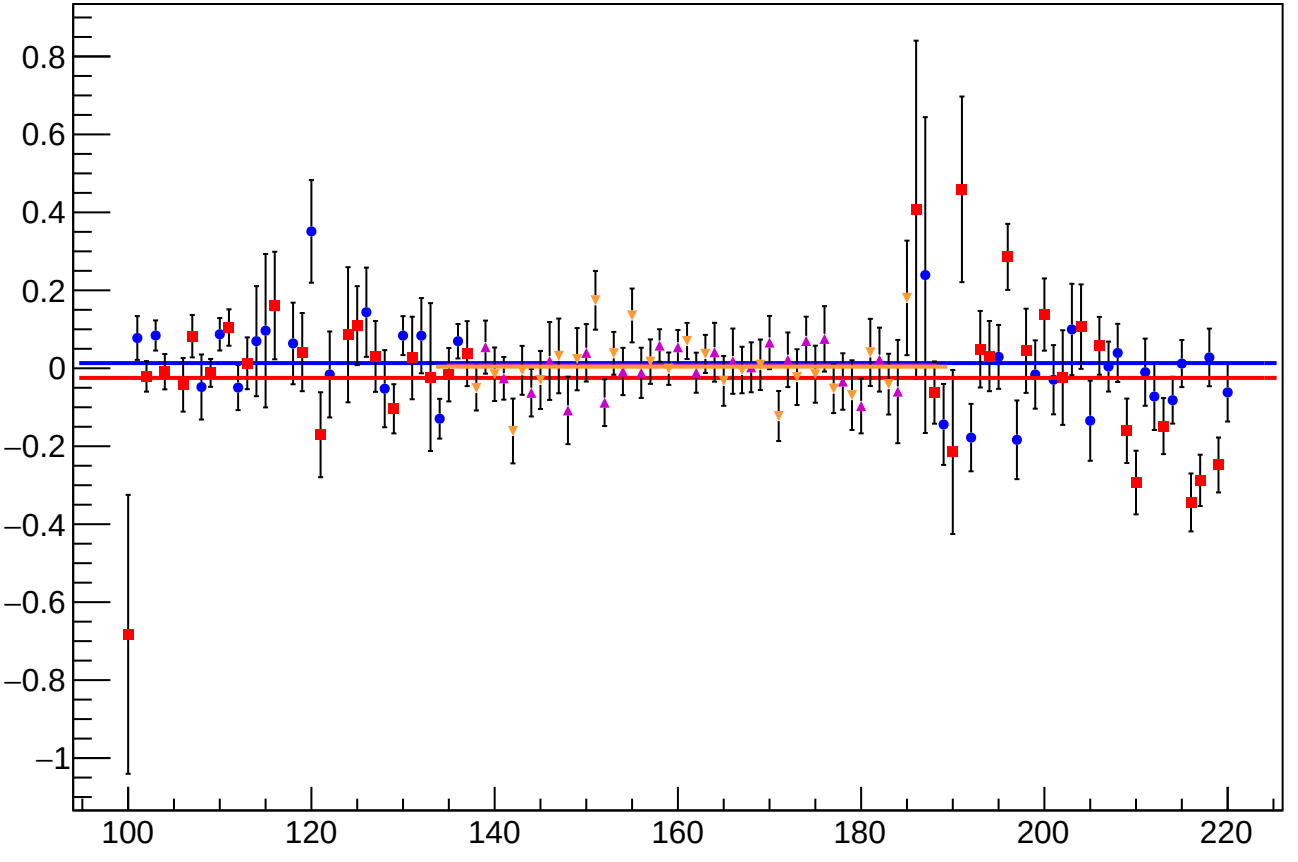
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 12004272.9/57

All: 0.000+/-0.000 χ^2/NDF: 23236493.6/117

- sign 0.000+/-0.000 χ^2/NDF: 11222449.0/59

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.013+/-0.012 χ^2/NDF: 49.5/32

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.025+/-0.012 χ^2/NDF: 112.3/36

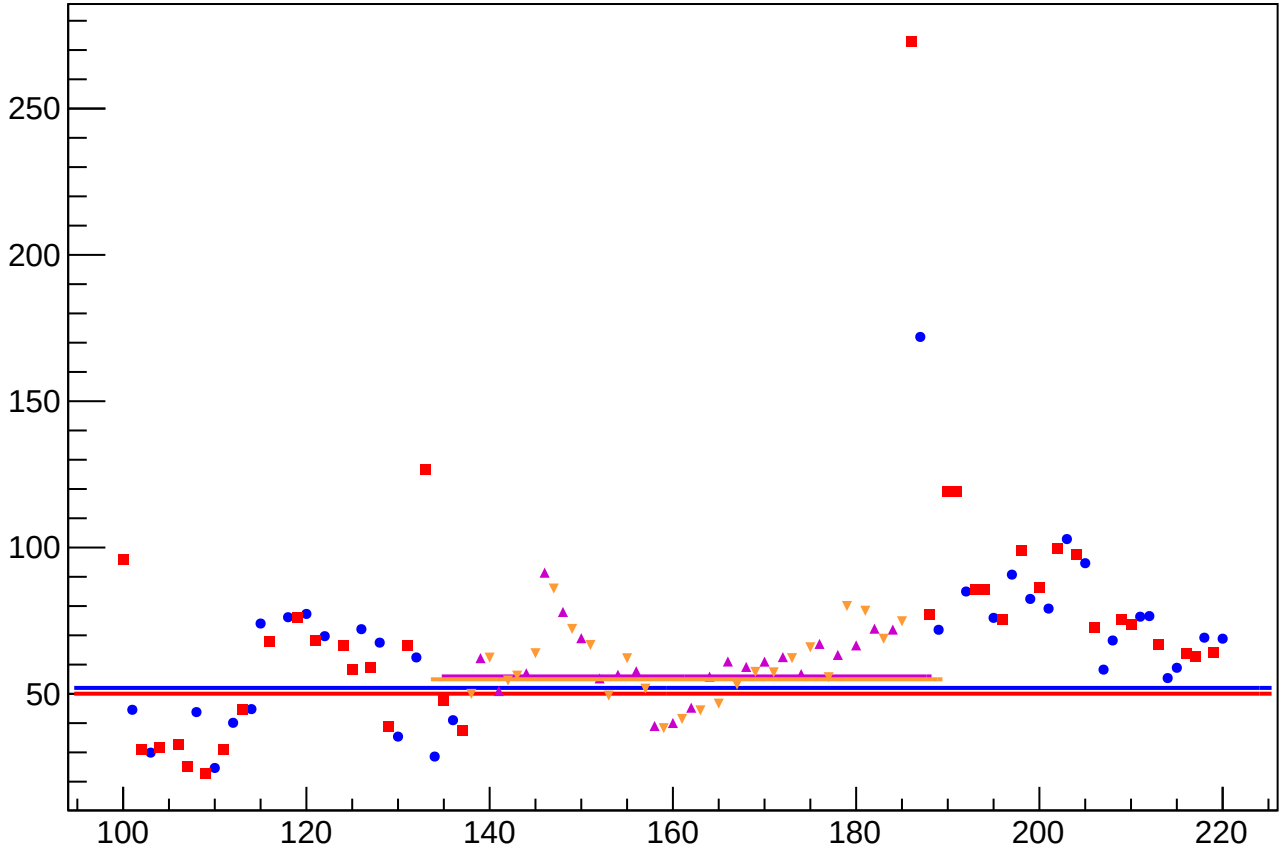
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.009+/-0.009 χ^2/NDF: 74.6/57

All: -0.000+/-0.006 χ^2/NDF: 207.2/117

- sign -0.010+/-0.009 χ^2/NDF: 130.4/59

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 52.037+/-0.009 χ^2/NDF: 5651820.3/32

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 50.055+/-0.009 χ^2/NDF: 7861855.2/36

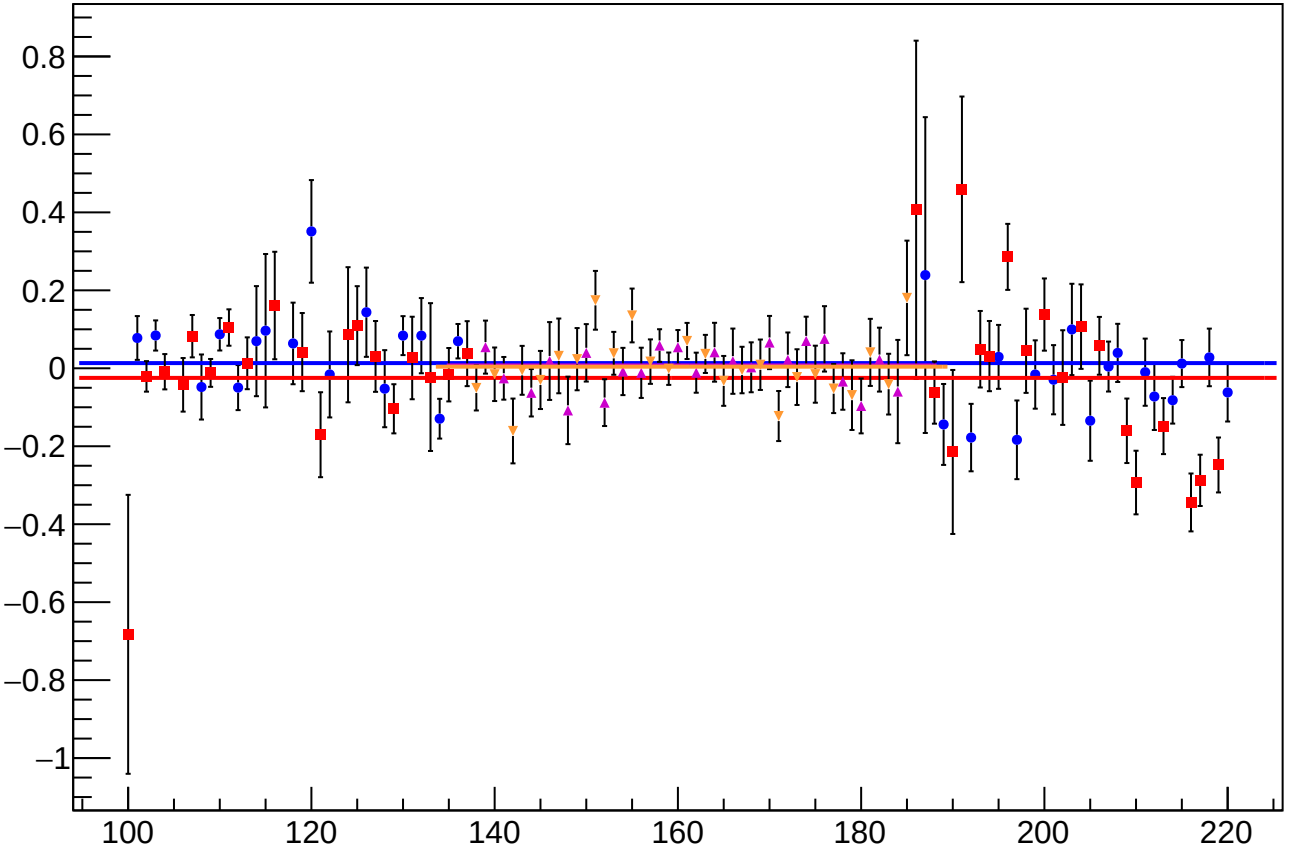
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 53.458+/-0.006 χ^2/NDF: 7272385.4/57

All: 53.100+/-0.005 χ^2/NDF: 16754984.6/117

- sign 52.733+/-0.006 χ^2/NDF: 9476171.7/59

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013+/-0.012 χ^2/NDF: 49.5/32

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.025+/-0.012 χ^2/NDF: 112.3/36

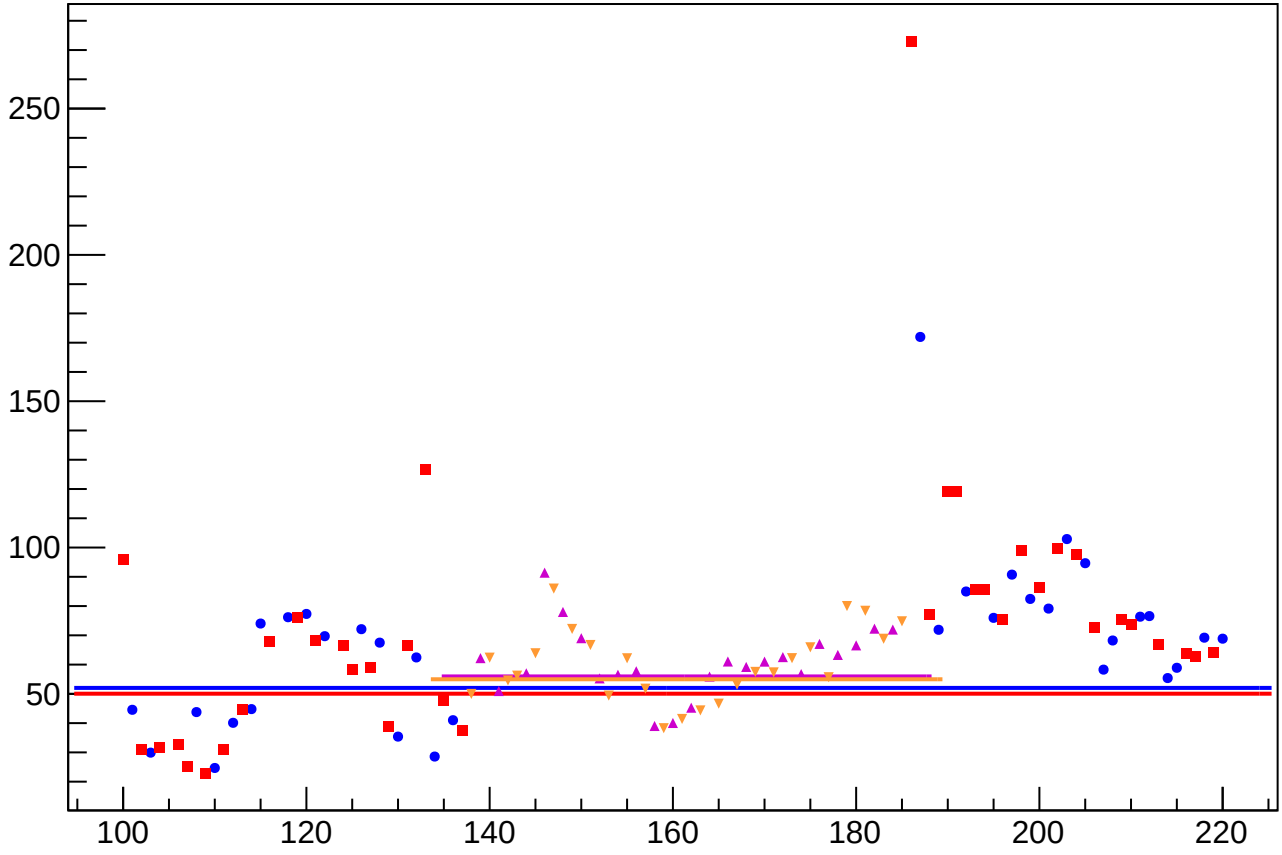
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.009+/-0.009 χ^2/NDF: 74.6/57

All: -0.000+/-0.006 χ^2/NDF: 207.2/117

- sign -0.010+/-0.009 χ^2/NDF: 130.4/59

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 52.037+/-0.009 χ^2/NDF: 5651820.3/32

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

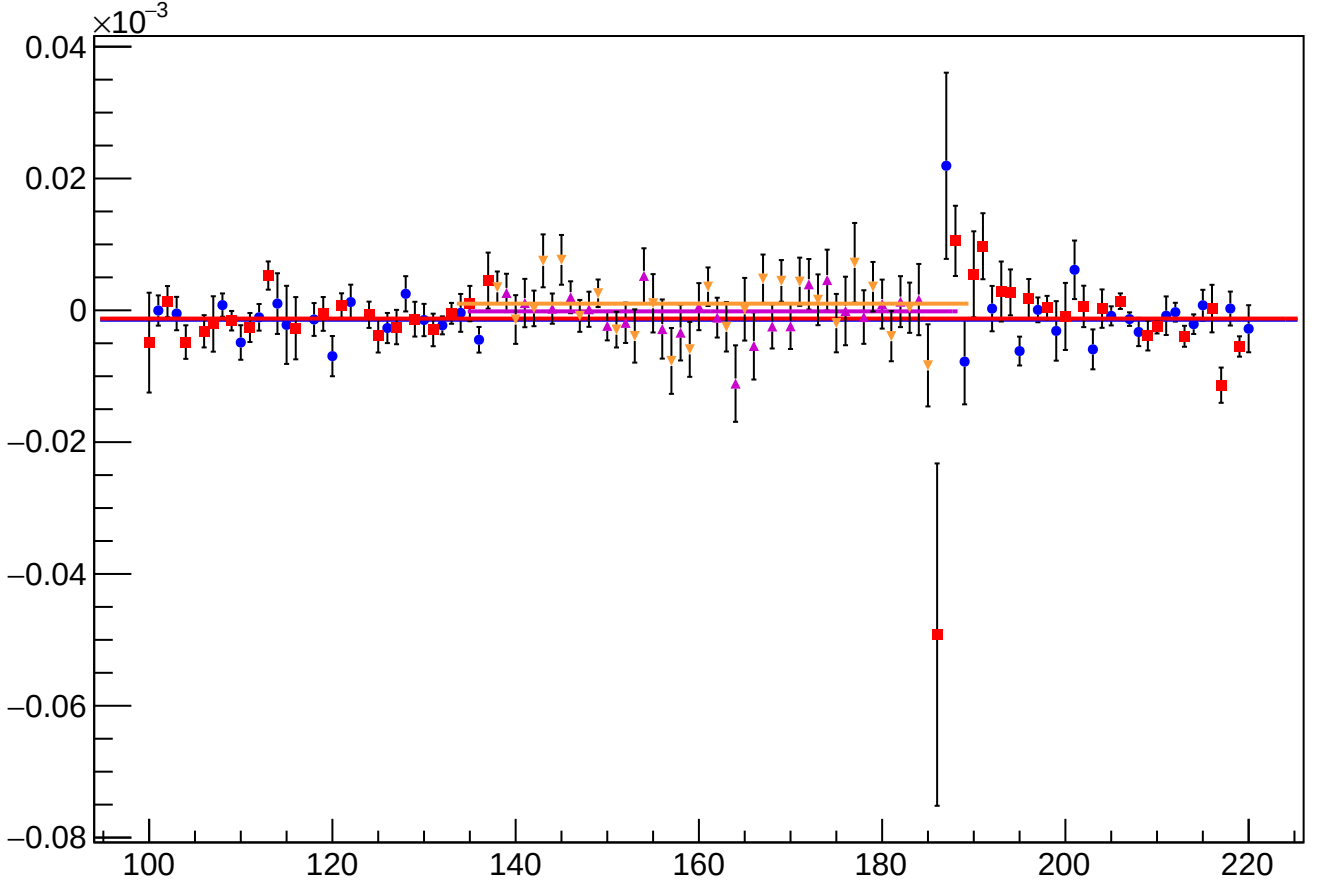
Right Out: 50.055+/-0.009 χ^2/NDF: 7861855.2/36

Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 53.458+/-0.006 χ^2/NDF: 7272385.4/57

All: 53.100+/-0.005 χ^2/NDF: 16754984.6/117

- sign 52.733+/-0.006 χ^2/NDF: 9476171.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 31.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 71.2/36

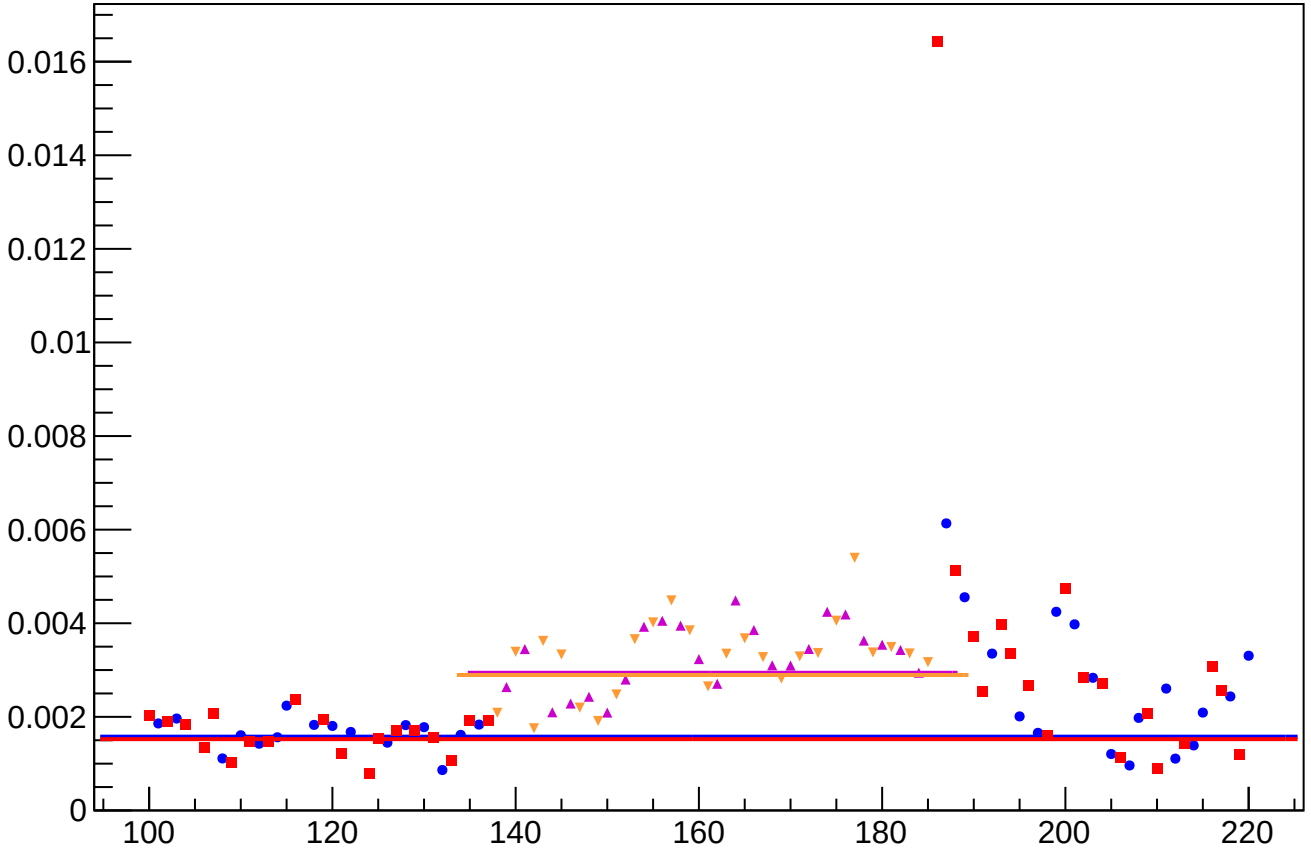
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.0/57

All: -0.000+/-0.000 χ^2/NDF: 157.1/117

- sign -0.000+/-0.000 χ^2/NDF: 87.1/59

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5978735.1/32

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7750951.7/36

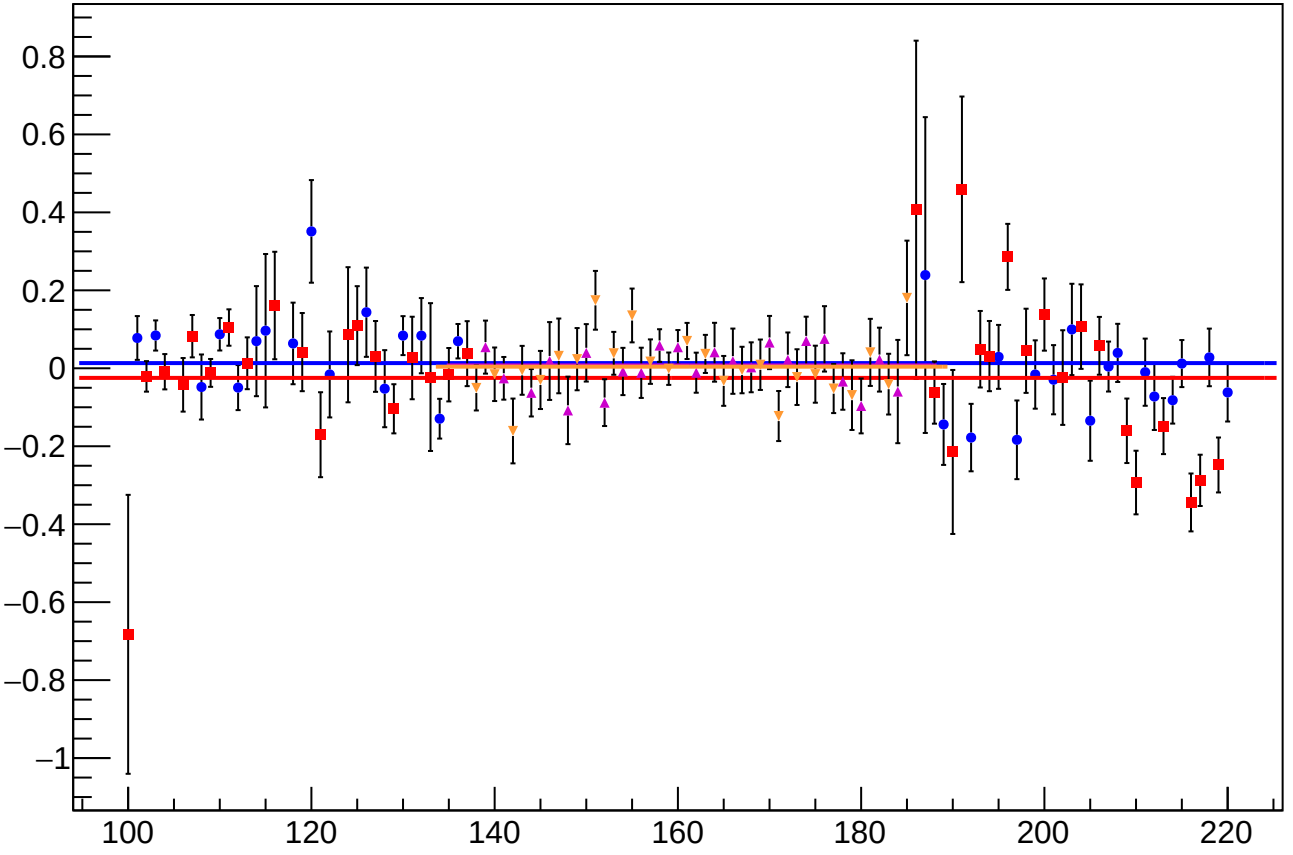
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 14259589.8/57

All: 0.002+/-0.000 χ^2/NDF: 30200675.0/117

- sign 0.002+/-0.000 χ^2/NDF: 15909504.8/59

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.013+/-0.012 χ^2/NDF: 49.5/32

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: -0.025+/-0.012 χ^2/NDF: 112.3/36

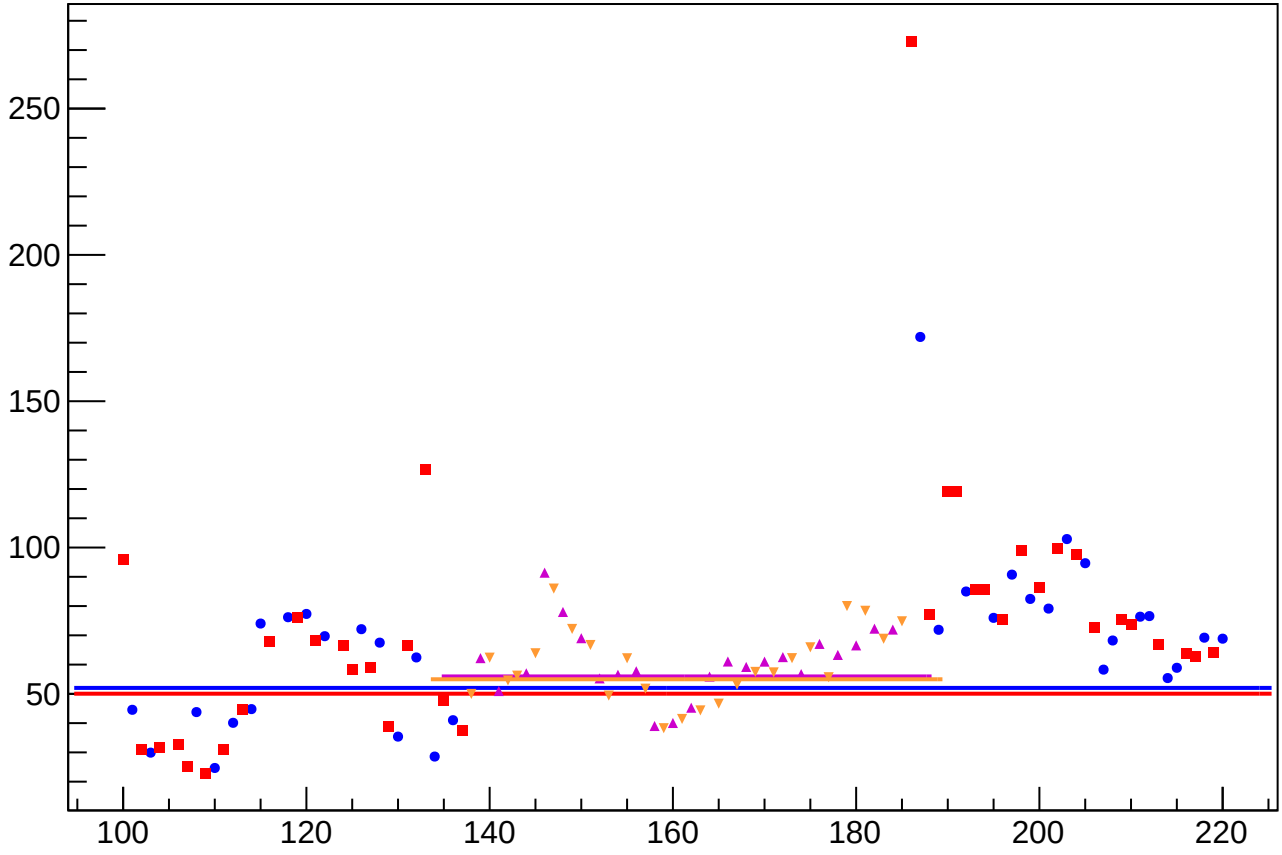
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.009+/-0.009 χ^2/NDF: 74.6/57

All: -0.000+/-0.006 χ^2/NDF: 207.2/117

- sign -0.010+/-0.009 χ^2/NDF: 130.4/59

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 52.036+/-0.009 χ^2/NDF: 5651992.2/32

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 50.055+/-0.009 χ^2/NDF: 7861893.1/36

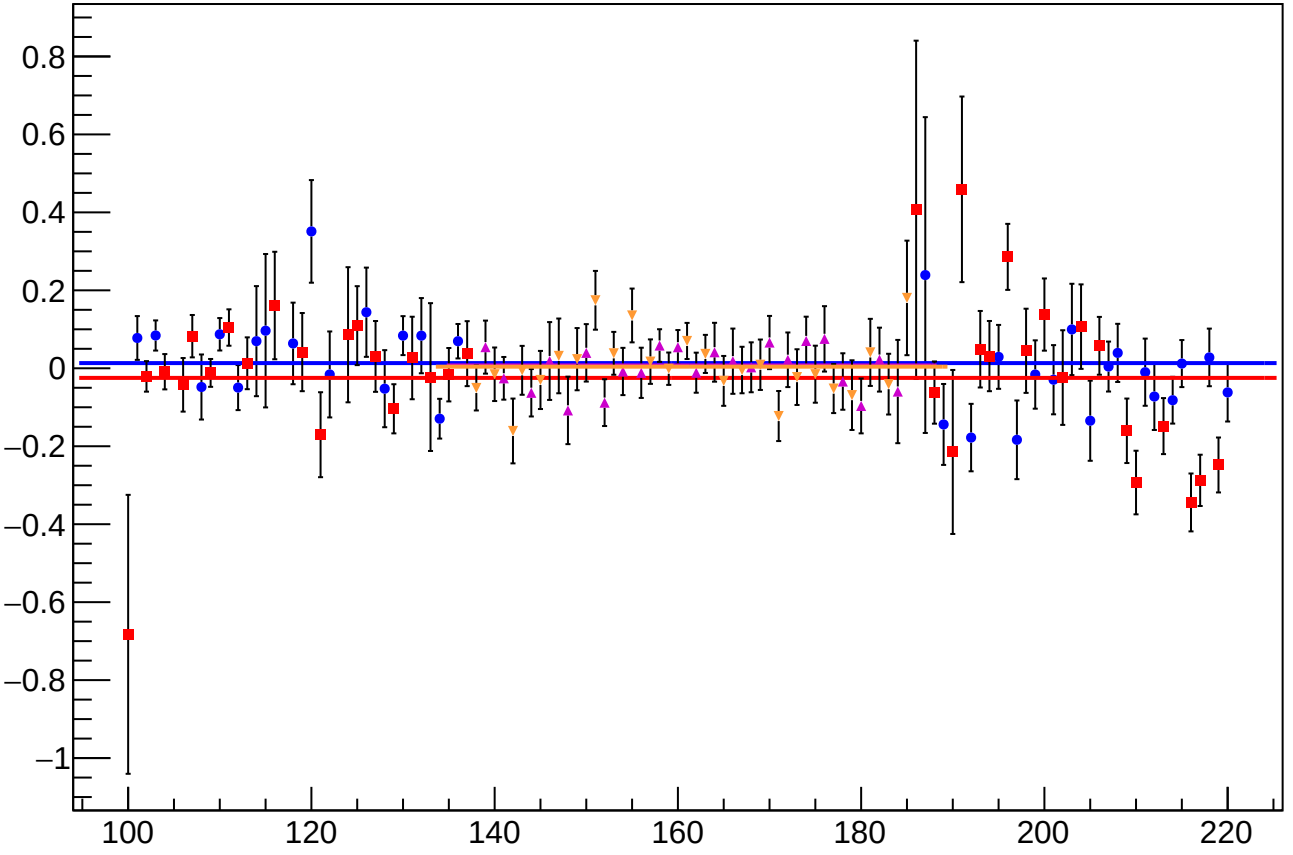
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 53.457+/-0.006 χ^2/NDF: 7272661.7/57

All: 53.099+/-0.005 χ^2/NDF: 16755410.3/117

- sign 52.732+/-0.006 χ^2/NDF: 9476322.2/59

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013+/-0.012 χ^2/NDF: 49.5/32

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

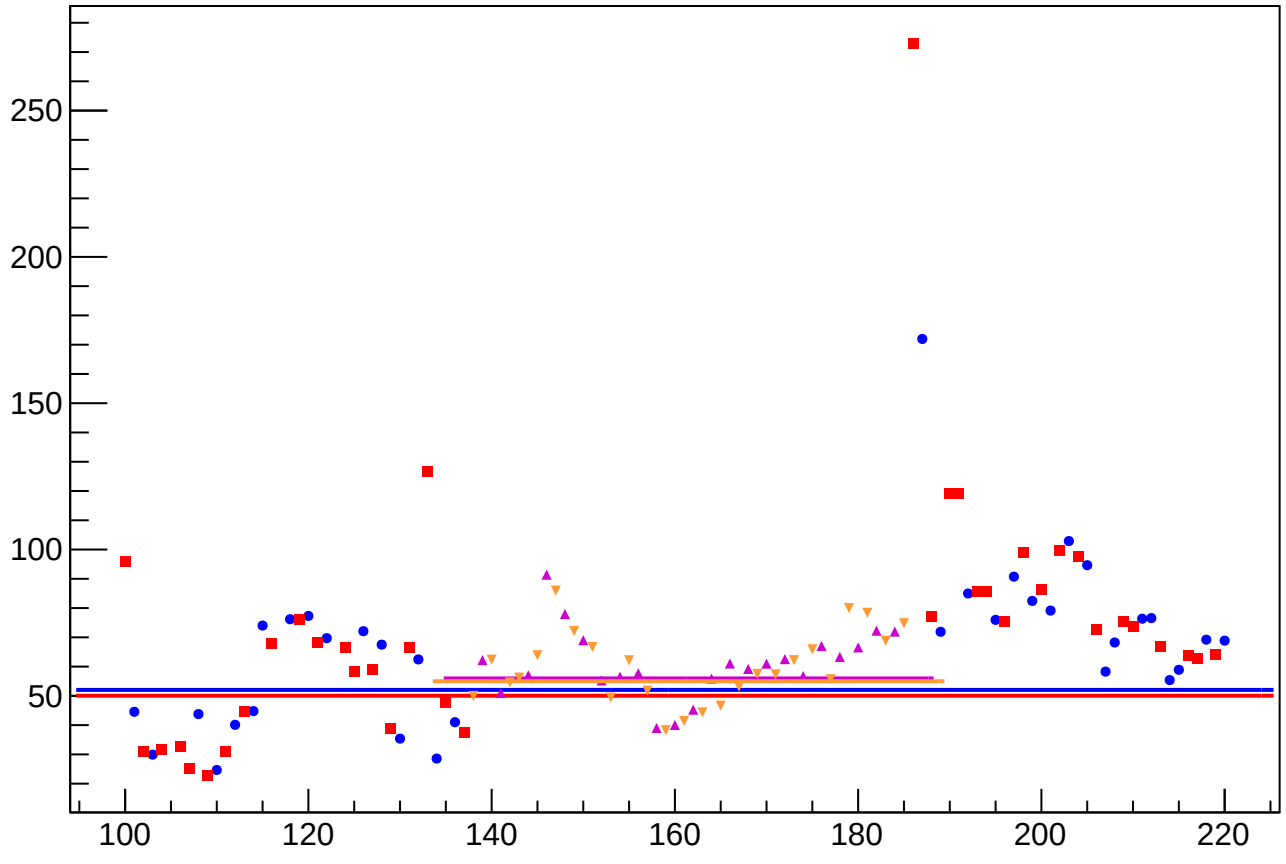
Right Out: -0.025+/-0.012 χ^2/NDF: 112.3/36

Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.009+/-0.009 χ^2/NDF: 74.6/57

All: -0.000+/-0.006 χ^2/NDF: 207.2/117

- sign -0.010+/-0.009 χ^2/NDF: 130.4/59



Right In: 52.036+/-0.009 χ^2/NDF: 5651992.2/32

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

Right Out: 50.055+/-0.009 χ^2/NDF: 7861893.1/36

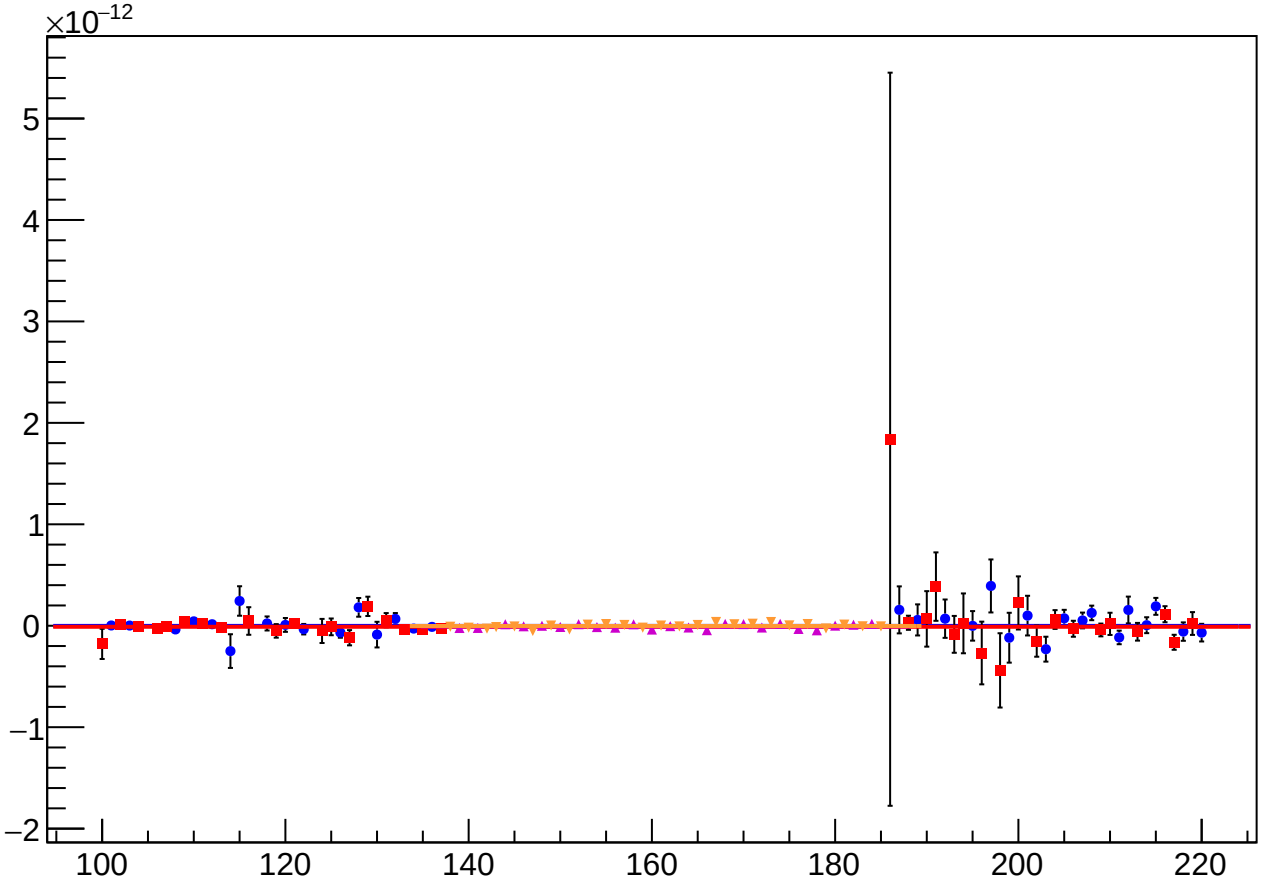
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 53.457+/-0.006 χ^2/NDF: 7272661.7/57

All: 53.099+/-0.005 χ^2/NDF: 16755410.3/117

- sign 52.732+/-0.006 χ^2/NDF: 9476322.2/59

asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 38.7/32

Left Out: -0.000+/-0.000 χ^2/NDF:19.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/36

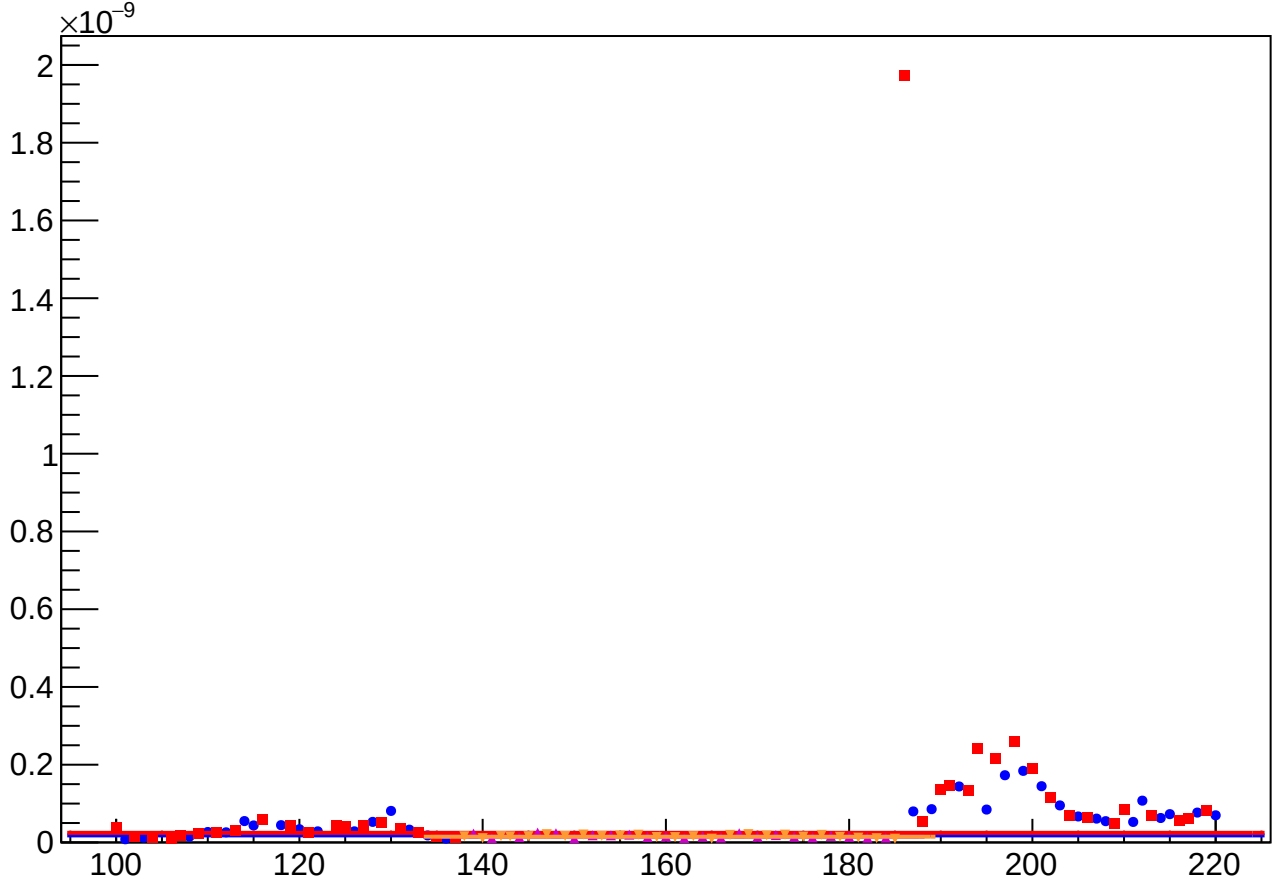
Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.0/57

All: -0.000+/-0.000 χ^2/NDF: 110.9/117

- sign -0.000+/-0.000 χ^2/NDF: 51.8/59

asym_sam6_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 15380048.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:1401850.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13058384.4/36

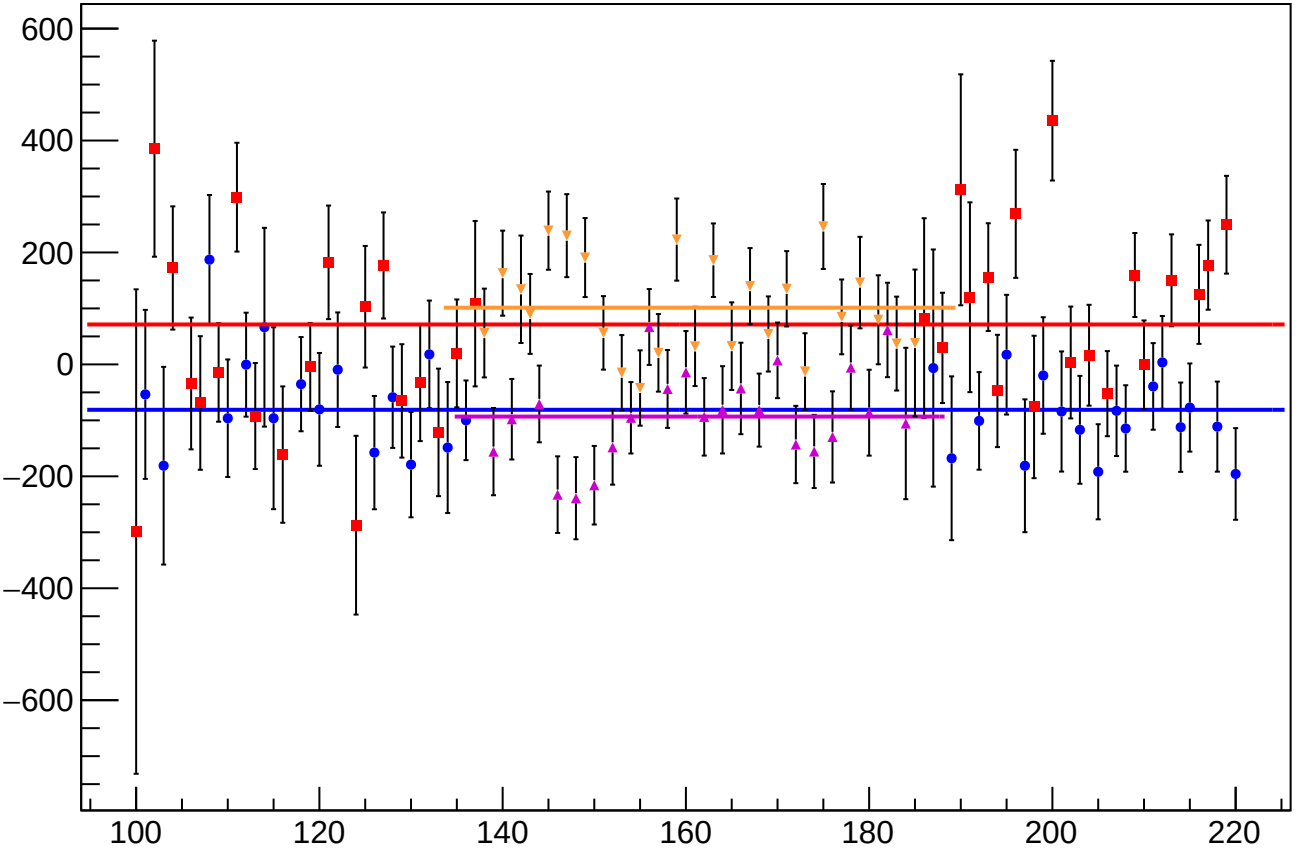
Left In: 0.000+/-0.000 χ^2/NDF:1427121.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 17129448.1/57

All: 0.000+/-0.000 χ^2/NDF: 33857245.8/117

- sign 0.000+/-0.000 χ^2/NDF: 16612724.2/59

reg_asym_sam7_mean vs Slug



Right In: -81.120+/-16.873 χ^2/NDF: 19.2/32

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 71.342+/-16.880 χ^2/NDF: 66.6/36

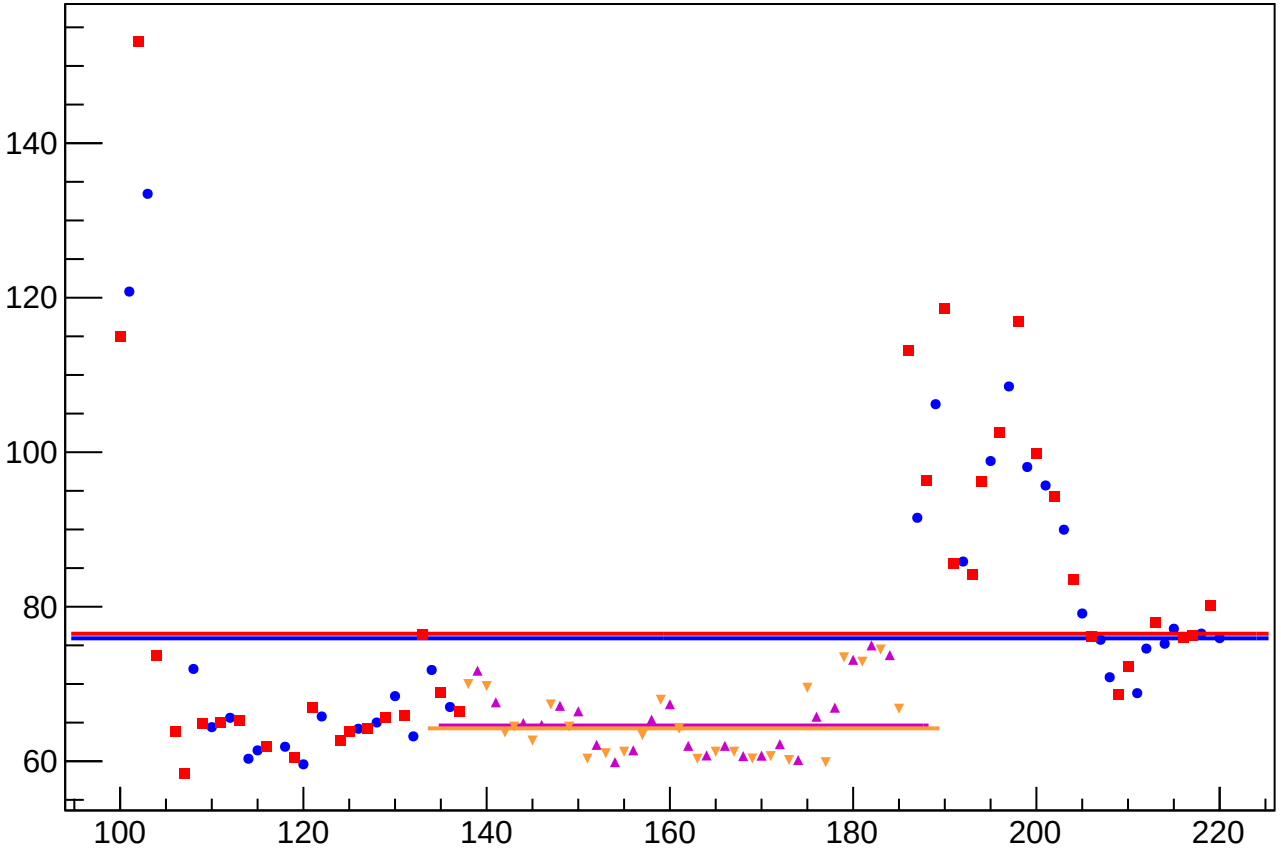
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 22.956+/-11.059 χ^2/NDF: 119.8/57

All: 1.941+/-7.893 χ^2/NDF: 275.3/117

- sign -19.883+/-11.269 χ^2/NDF: 148.2/59

reg_asym_sam7_rms vs Slug



Right In: 75.908+/-0.012 χ^2/NDF: 1332021.5/32

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.503+/-0.012 χ^2/NDF: 1615606.5/36

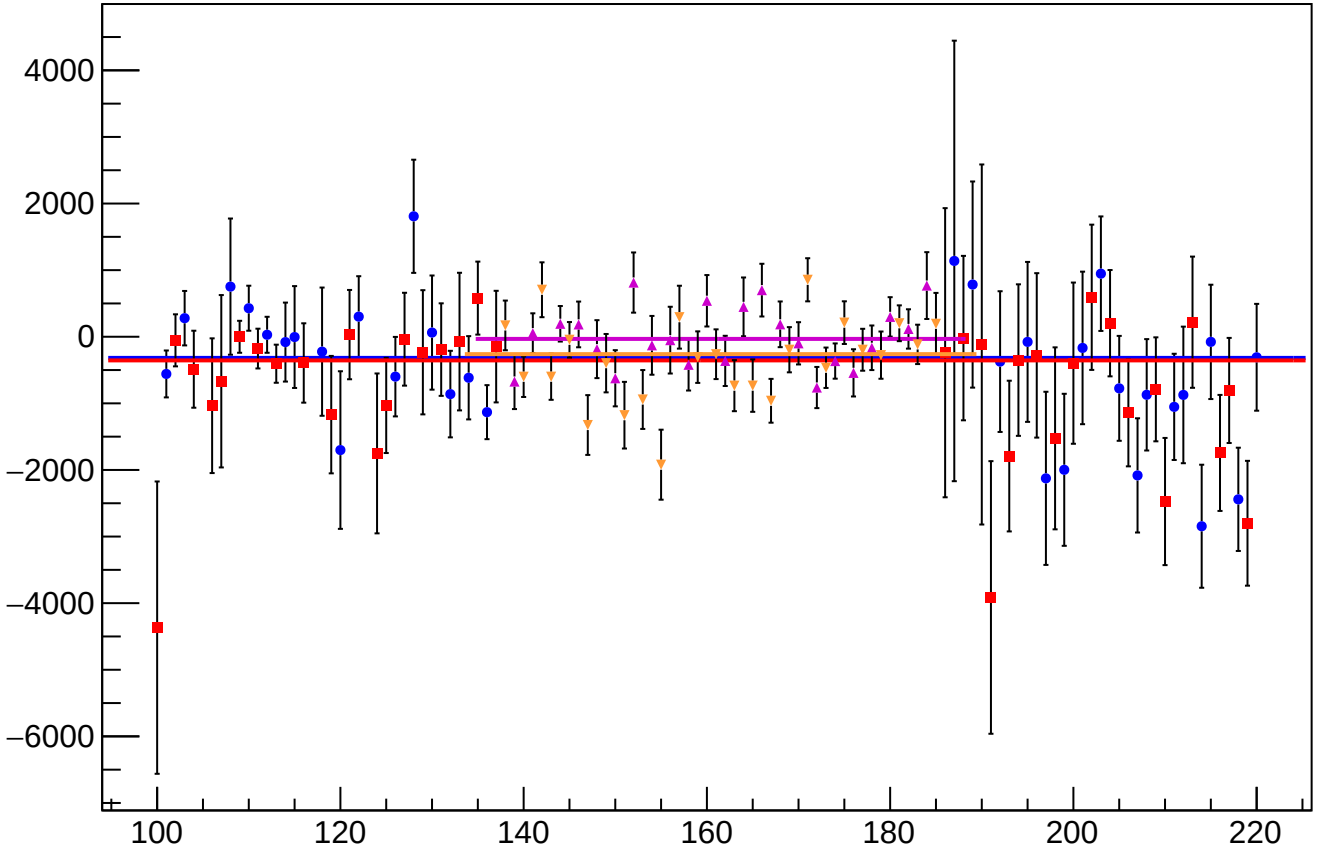
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 69.261+/-0.008 χ^2/NDF: 2053788.1/57

All: 69.583+/-0.006 χ^2/NDF: 4369356.3/117

- sign 69.917+/-0.008 χ^2/NDF: 2312111.0/59

asym_sam7_reg_correction_mean vs Slug



Right In: -317.436+/-110.883 χ^2/NDF: 52.9/32

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -354.968+/-106.269 χ^2/NDF: 36.8/36

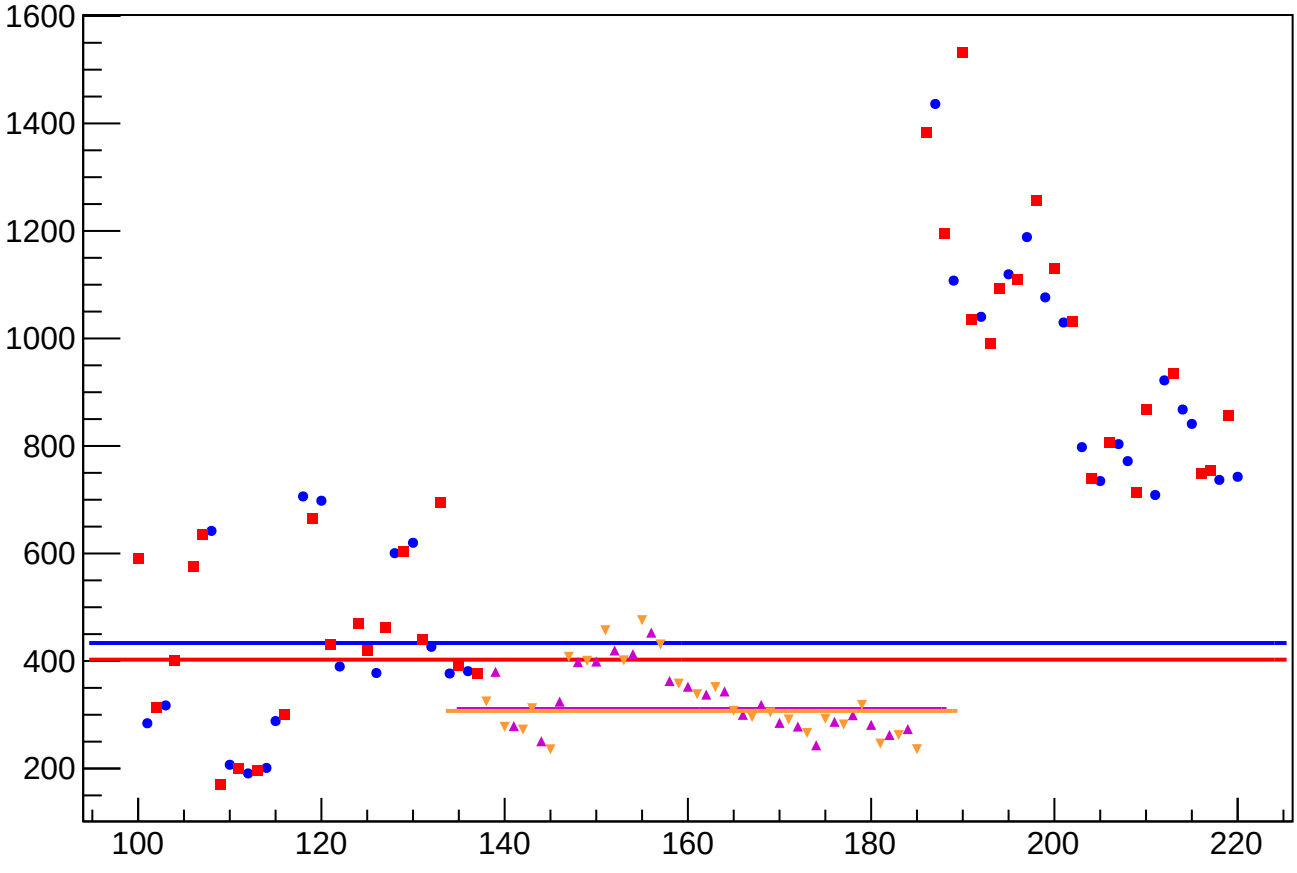
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -277.586+/-59.953 χ^2/NDF: 111.8/57

All: -208.308+/-42.633 χ^2/NDF: 189.2/117

- sign -137.438+/-60.637 χ^2/NDF: 74.7/59

asym_sam7_reg_correction_rms vs Slug



Right In: 433.447+/-0.078 χ^2/NDF: 11273356.1/32

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

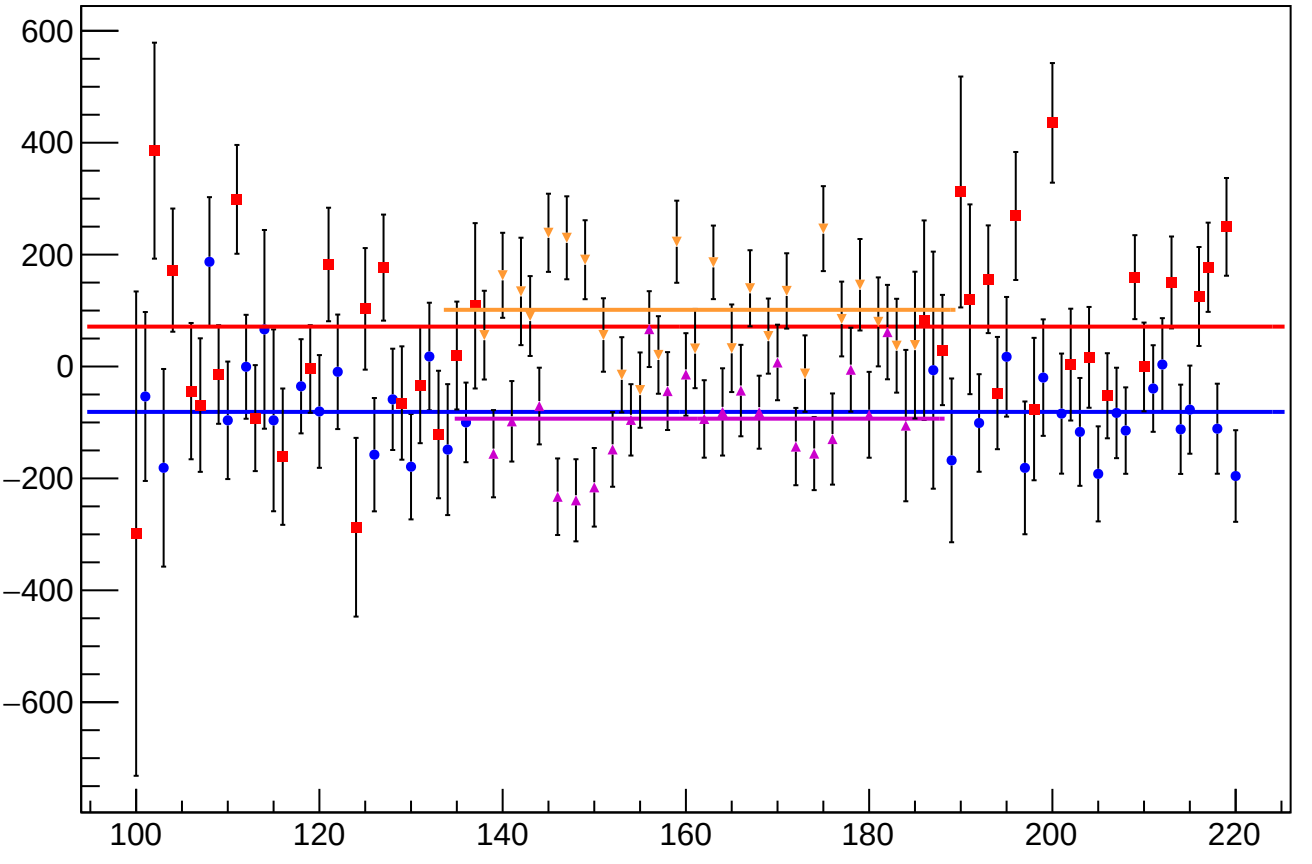
Right Out: 402.495+/-0.075 χ^2/NDF: 13899248.0/36

Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 344.067+/-0.042 χ^2/NDF: 14429867.1/57

All: 342.346+/-0.030 χ^2/NDF: 30418412.1/11

- sign 340.585+/-0.043 χ^2/NDF: 15985210.9/59



Right In: -81.121+/-16.873 χ^2/NDF: 19.2/32

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 71.294+/-16.892 χ^2/NDF: 66.7/36

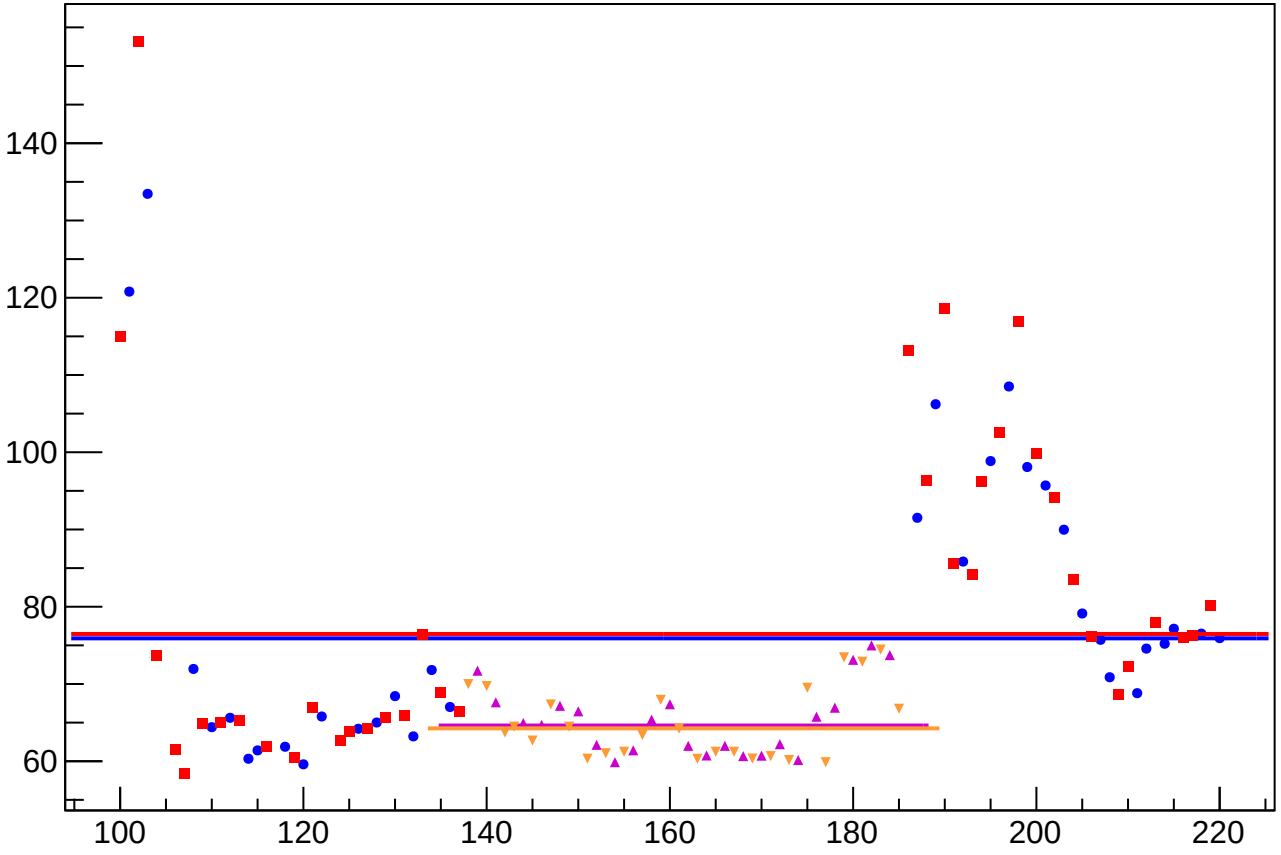
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 22.955+/-11.059 χ^2/NDF: 119.8/57

All: 1.910+/-7.894 χ^2/NDF: 275.4/117

- sign -19.959+/-11.273 χ^2/NDF: 148.2/59

cor_asym_sam7_rms vs Slug



Right In: 75.908+/-0.012 χ^2/NDF: 1332021.9/32

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.475+/-0.012 χ^2/NDF: 1622887.5/36

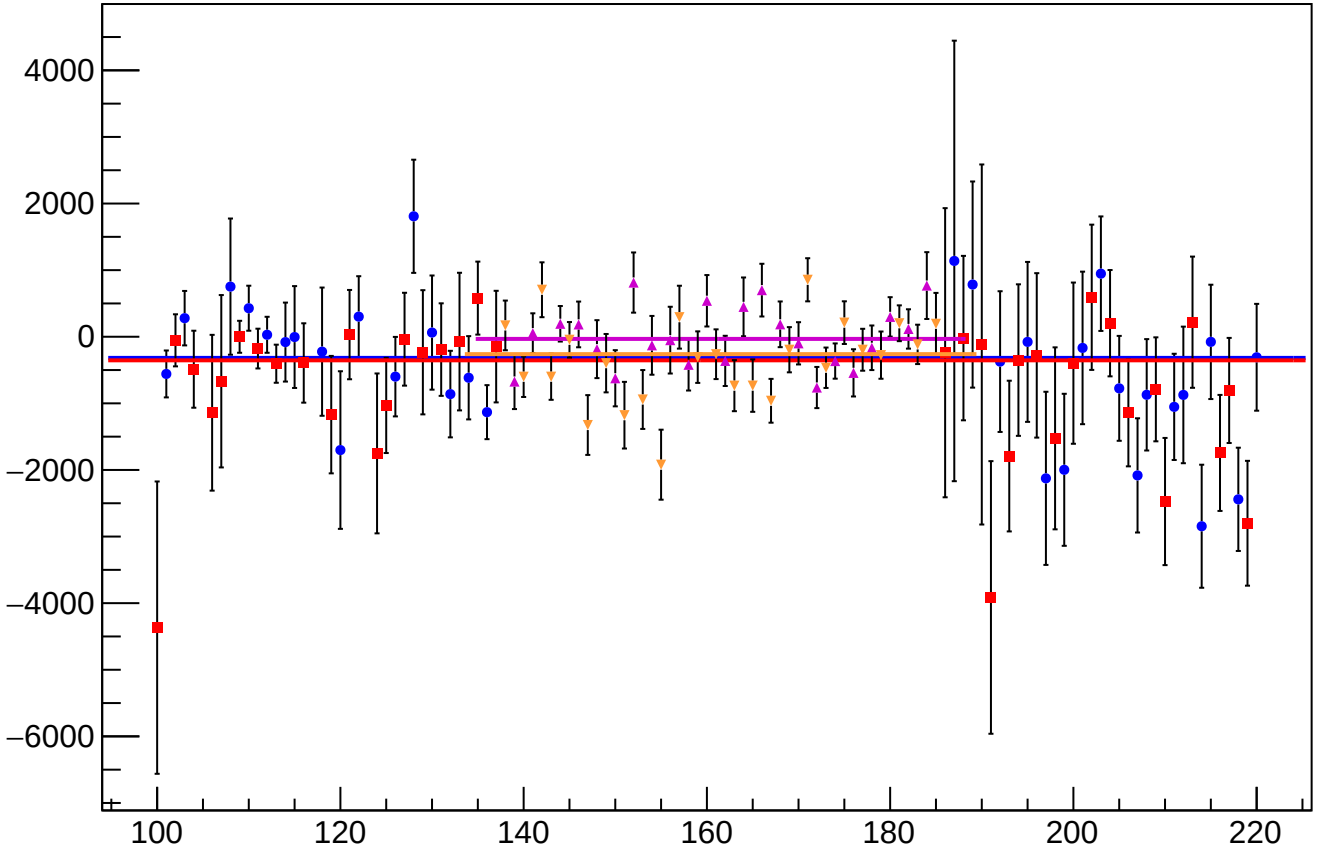
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 69.261+/-0.008 χ^2/NDF: 2053788.5/57

All: 69.574+/-0.006 χ^2/NDF: 4373433.7/117

- sign 69.901+/-0.008 χ^2/NDF: 2316361.7/59

asym_sam7_cor_correction_mean vs Slug



Right In: -317.435+/-110.883 χ^2/NDF: 52.9/32

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -353.960+/-106.421 χ^2/NDF: 36.8/36

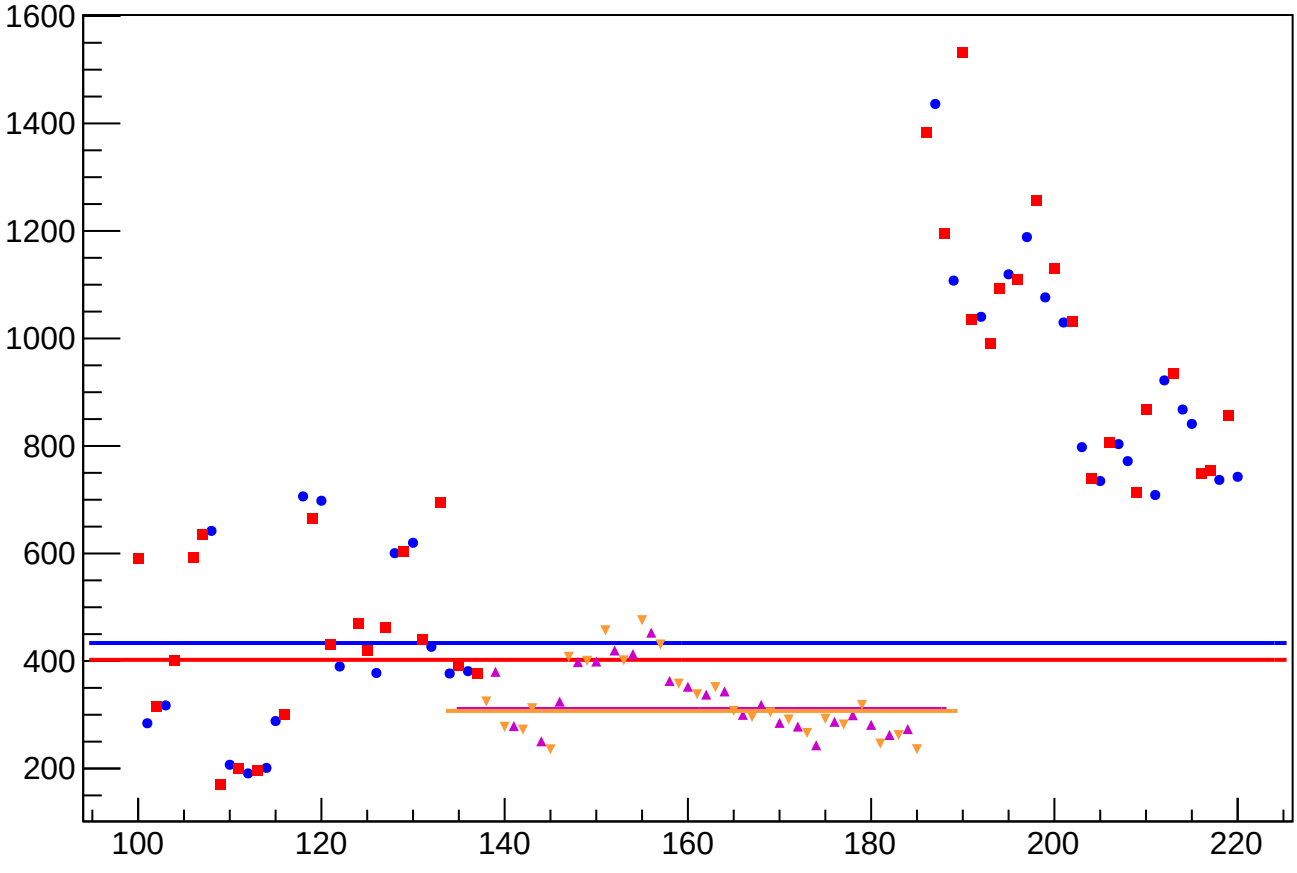
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -277.586+/-59.953 χ^2/NDF: 111.8/57

All: -208.077+/-42.643 χ^2/NDF: 189.2/117

- sign -136.906+/-60.665 χ^2/NDF: 74.6/59

asym_sam7_cor_correction_rms vs Slug



Right In: 433.449+/-0.078 χ^2/NDF: 11273274.8/32

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 402.178+/-0.075 χ^2/NDF: 13893593.6/36

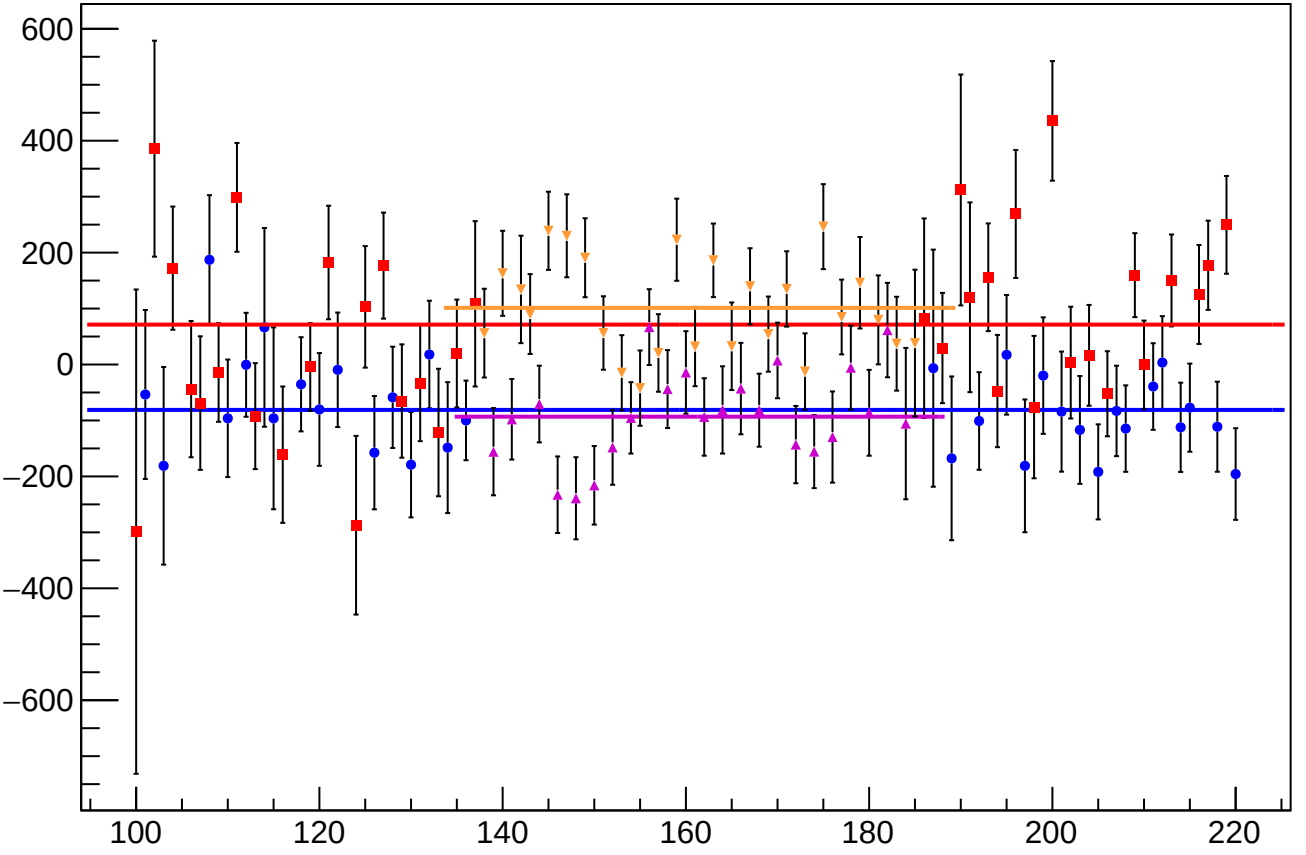
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 344.067+/-0.042 χ^2/NDF: 14429850.7/57

All: 342.268+/-0.030 χ^2/NDF: 30404189.6/1

- sign 340.425+/-0.043 χ^2/NDF: 15970691.1/59

eigen_cor_asym_sam7_mean vs Slug



Right In: -81.121+/-16.873 χ^2/NDF: 19.2/32

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 71.294+/-16.892 χ^2/NDF: 66.7/36

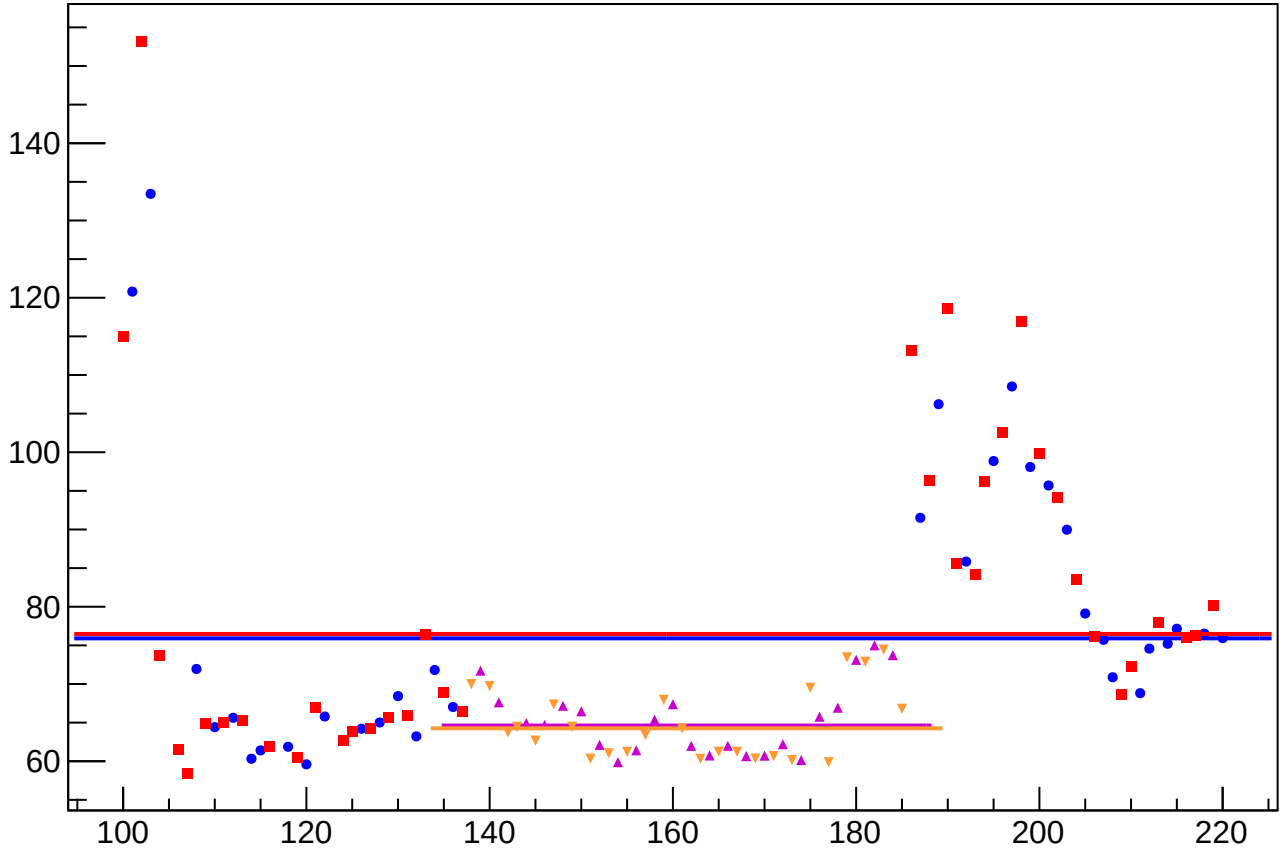
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 22.955+/-11.059 χ^2/NDF: 119.8/57

All: 1.910+/-7.894 χ^2/NDF: 275.4/117

- sign -19.959+/-11.273 χ^2/NDF: 148.2/59

eigen_cor_asym_sam7_rms vs Slug



Right In: 75.908+/-0.012 χ^2/NDF: 1332021.9/32

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 76.475+/-0.012 χ^2/NDF: 1622887.5/36

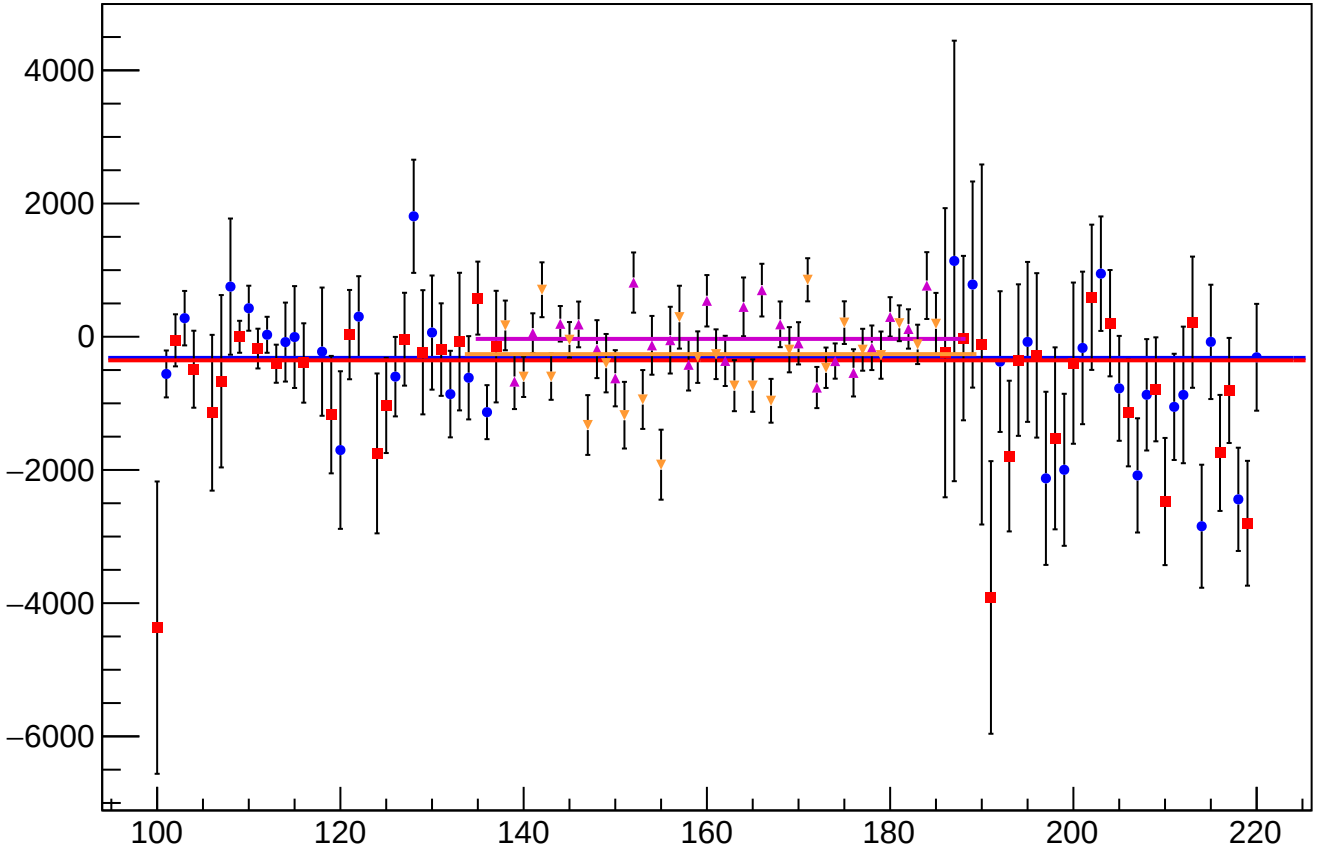
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 69.261+/-0.008 χ^2/NDF: 2053788.5/57

All: 69.574+/-0.006 χ^2/NDF: 4373433.7/117

- sign 69.901+/-0.008 χ^2/NDF: 2316361.7/59

asym_sam7_eigen_cor_correction_mean vs Slug



Right In: -317.435+/-110.883 χ^2/NDF: 52.9/32

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -353.960+/-106.421 χ^2/NDF: 36.8/36

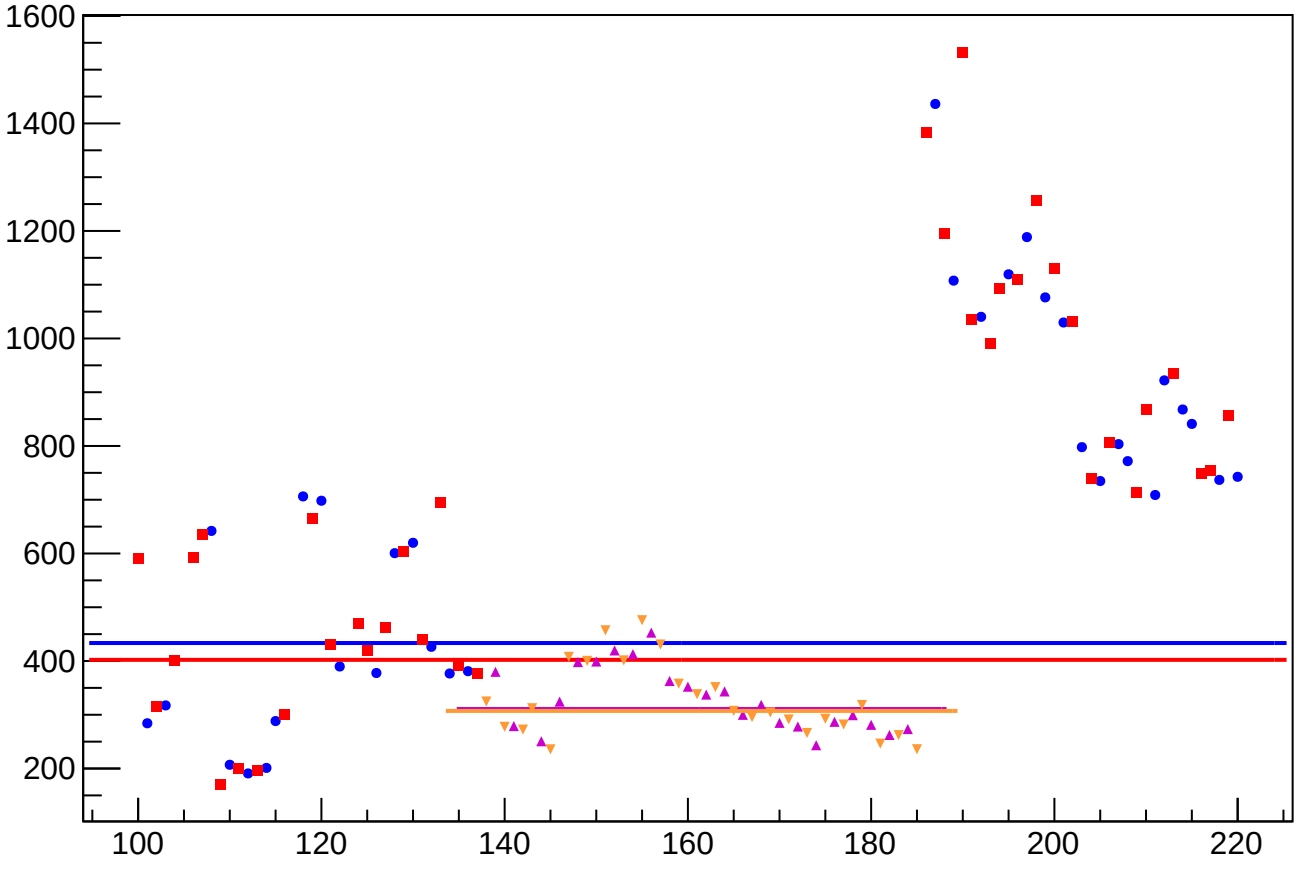
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

\+ sign -277.586+/-59.953 χ^2/NDF: 111.8/57

All: -208.077+/-42.643 χ^2/NDF: 189.2/117

\- sign -136.906+/-60.665 χ^2/NDF: 74.6/59

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 433.449+/-0.078 χ^2/NDF: 11273274.8/32

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 402.178+/-0.075 χ^2/NDF: 13893593.6/36

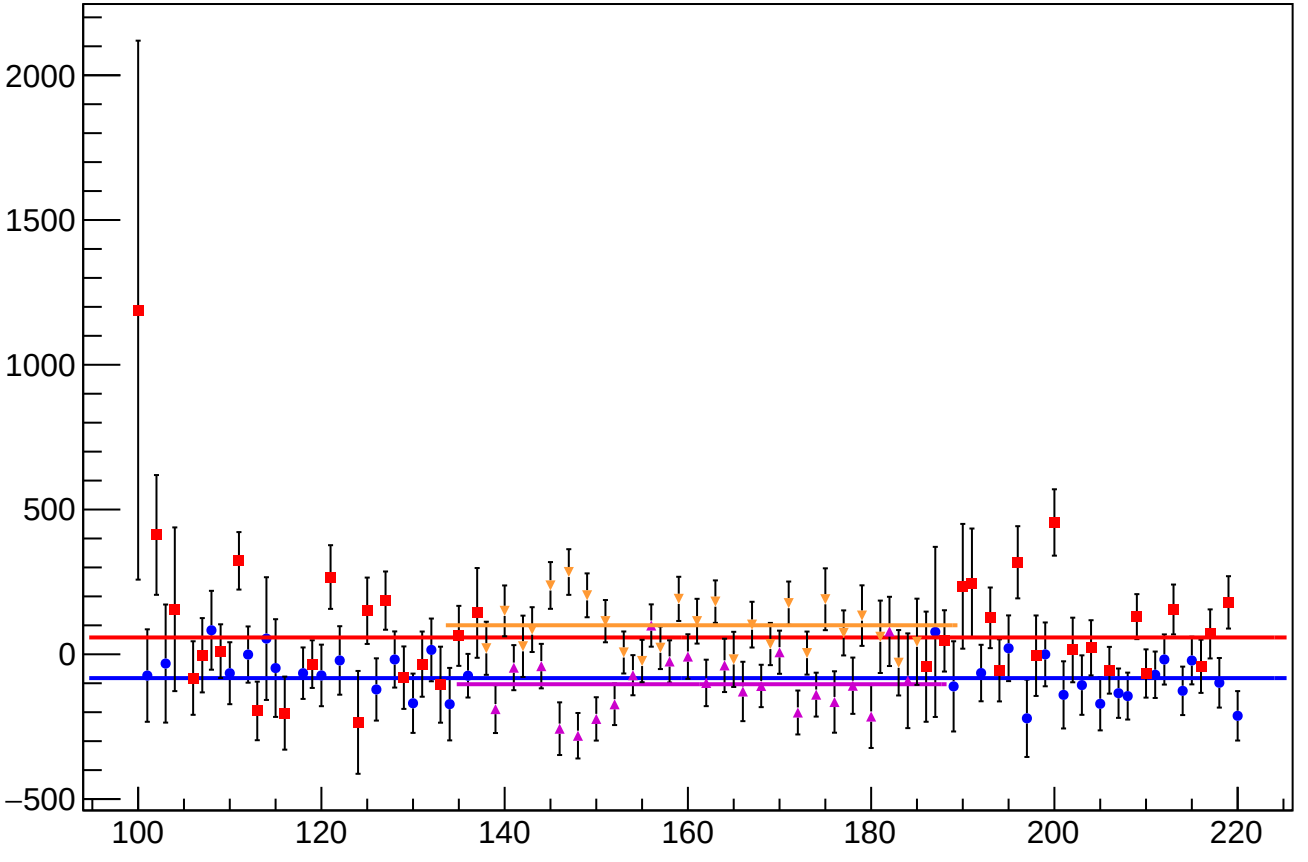
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 344.067+/-0.042 χ^2/NDF: 14429850.7/57

All: 342.268+/-0.030 χ^2/NDF: 30404189.6/1

- sign 340.425+/-0.043 χ^2/NDF: 15970691.1/59

dit_asym_sam7_mean vs Slug



Right In: -82.239+/-18.042 χ^2/NDF: 14.4/32

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 58.175+/-18.145 χ^2/NDF: 67.6/36

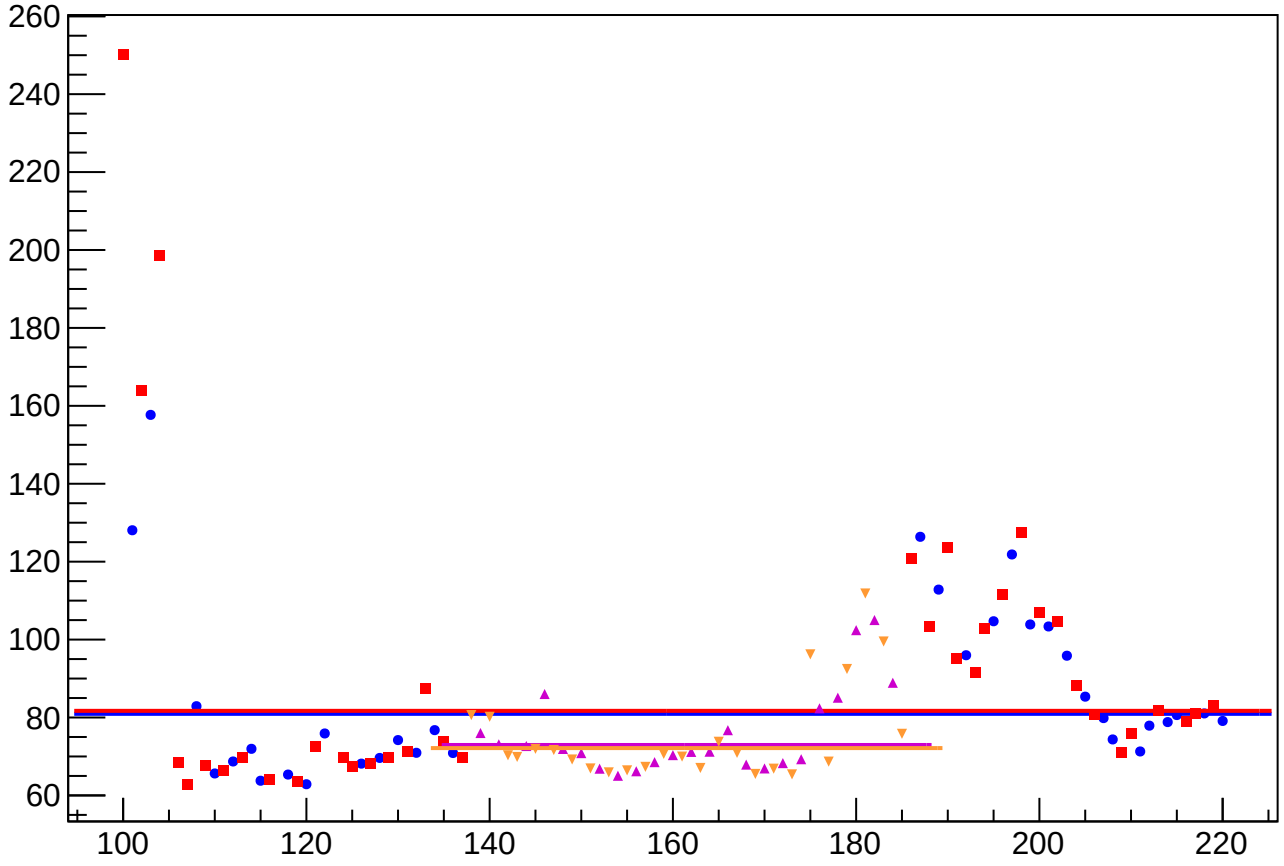
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 16.467+/-12.226 χ^2/NDF: 97.5/57

All: -4.592+/-8.742 χ^2/NDF: 245.4/117

- sign -26.628+/-12.506 χ^2/NDF: 141.9/59

dit_asym_sam7_rms vs Slug



Right In: 80.942+/-0.013 χ^2/NDF: 1506362.0/32

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

Right Out: 81.711+/-0.013 χ^2/NDF: 2129311.2/36

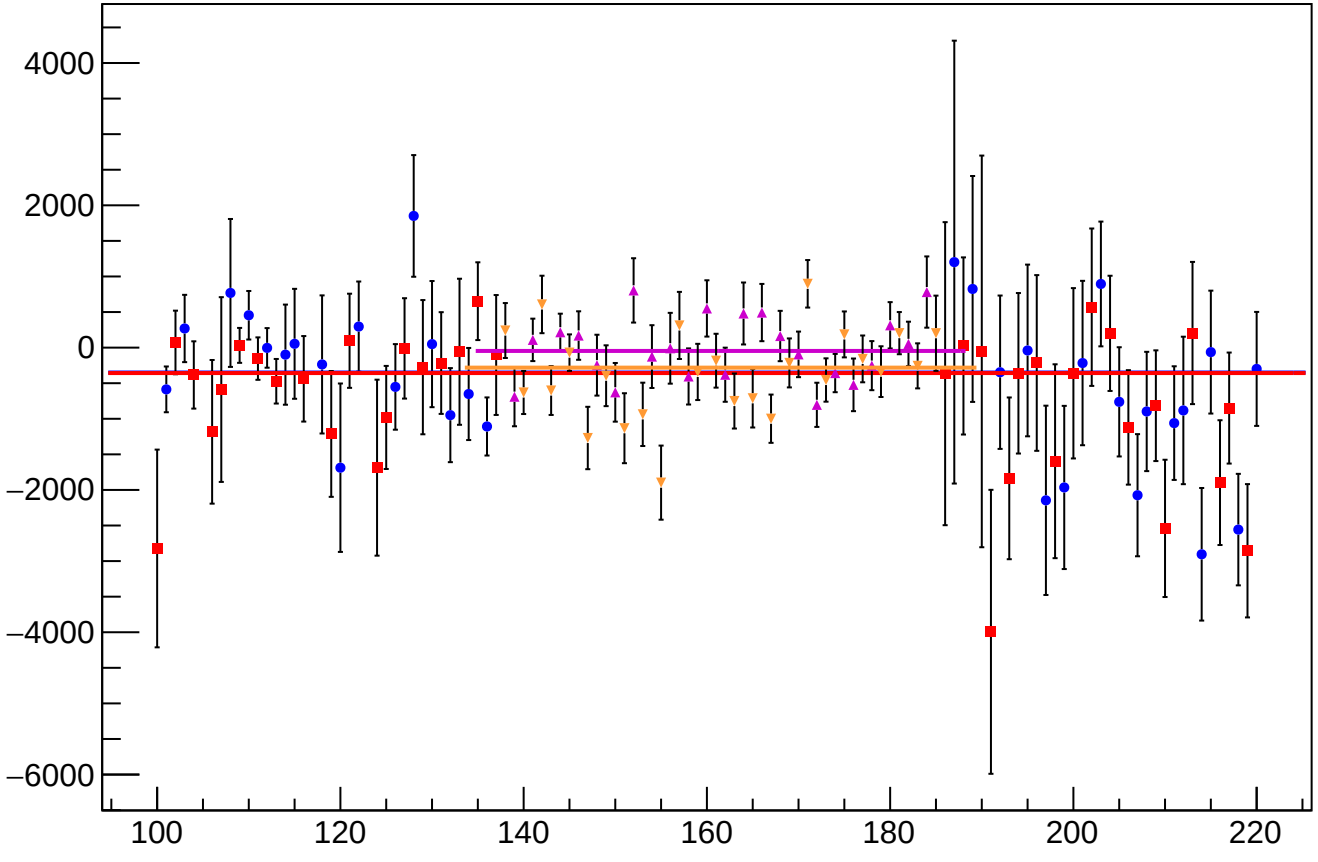
Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

\+ sign 76.187+/-0.009 χ^2/NDF: 2405189.3/57

All: 76.638+/-0.006 χ^2/NDF: 5293952.9/117

\- sign 77.111+/-0.009 χ^2/NDF: 2883185.3/59

asym_sam7_dit_correction_mean vs Slug



Right In: -349.995+/-112.721 χ^2/NDF: 52.8/32

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -357.432+/-108.017 χ^2/NDF: 39.5/36

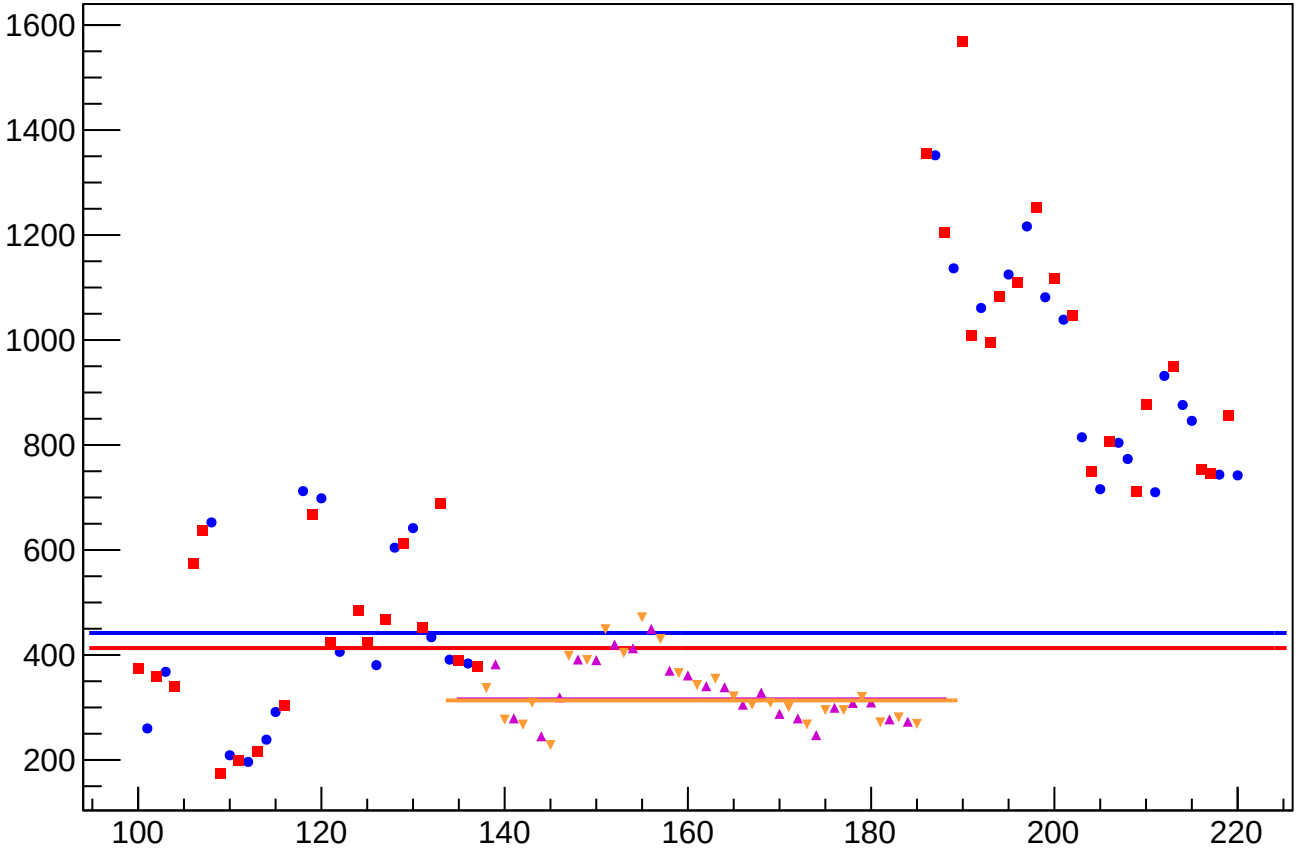
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -301.349+/-60.999 χ^2/NDF: 109.8/57

All: -225.115+/-43.326 χ^2/NDF: 188.8/117

- sign -147.499+/-61.549 χ^2/NDF: 75.8/59

asym_sam7_dit_correction_rms vs Slug



Right In: 441.943+/-0.080 χ^2/NDF: 11103416.1/32

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 413.179+/-0.076 χ^2/NDF: 13387406.9/36

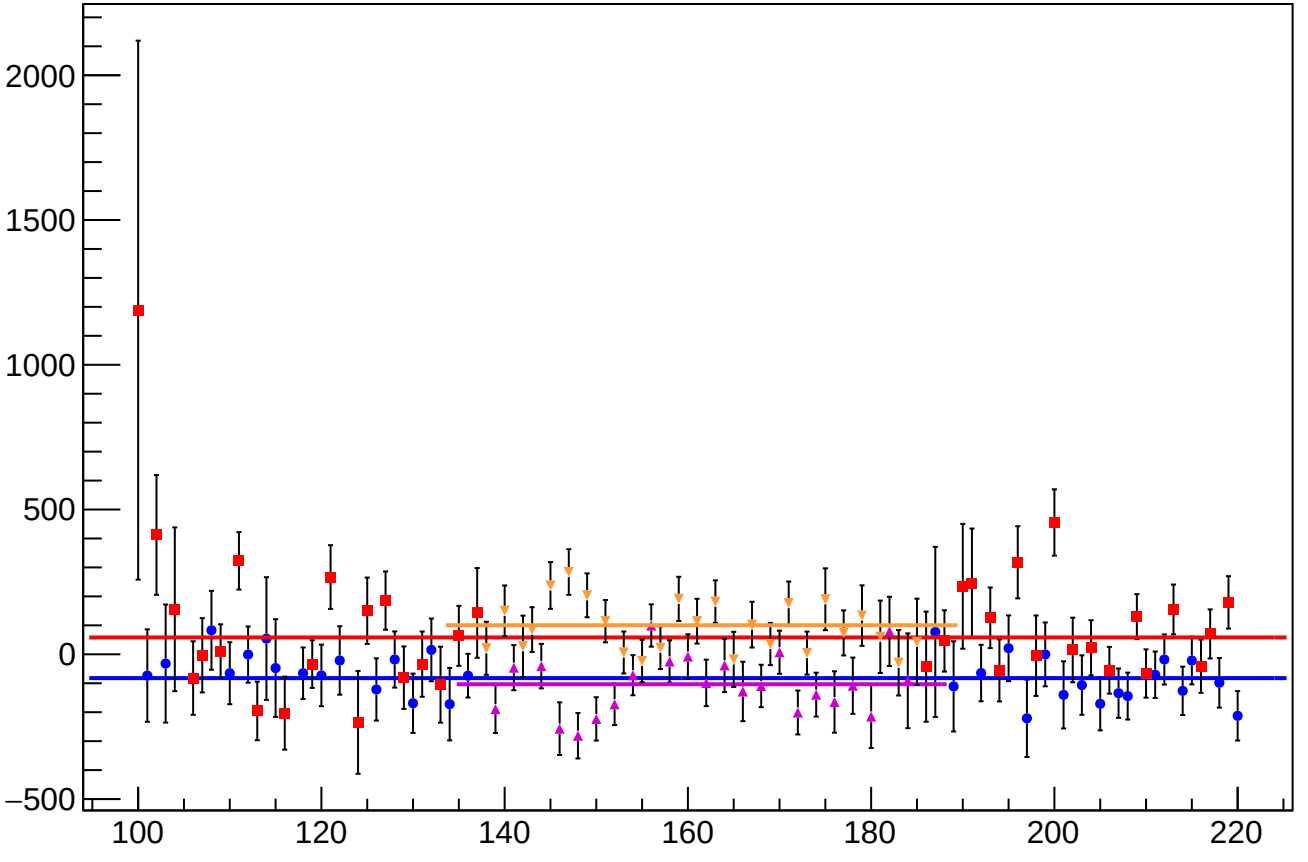
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

\+ sign 351.114+/-0.043 χ^2/NDF: 14115299.5/57

All: 349.167+/-0.031 χ^2/NDF: 29620824.0/11

\- sign 347.184+/-0.044 χ^2/NDF: 15501411.4/59

eigen_dit_asym_sam7_mean vs Slug



Right In: -82.238+/-18.042 χ^2/NDF: 14.4/32

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 58.177+/-18.145 χ^2/NDF: 67.6/36

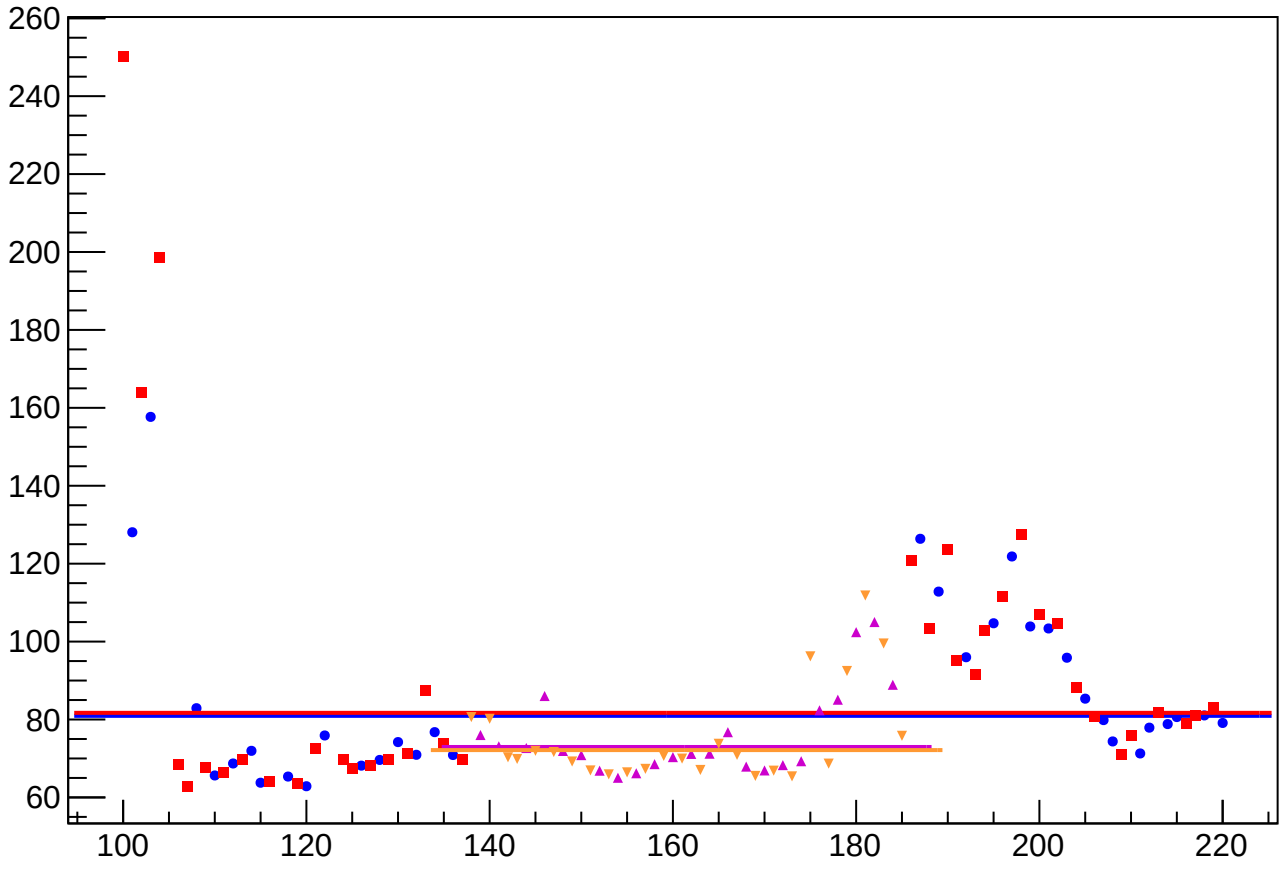
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 16.467+/-12.226 χ^2/NDF: 97.5/57

All: -4.592+/-8.742 χ^2/NDF: 245.4/117

- sign -26.627+/-12.506 χ^2/NDF: 141.9/59

eigen_dit_asym_sam7_rms vs Slug



Right In: 80.942+/-0.013 χ^2/NDF: 1506368.8/32

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

Right Out: 81.711+/-0.013 χ^2/NDF: 2129312.6/36

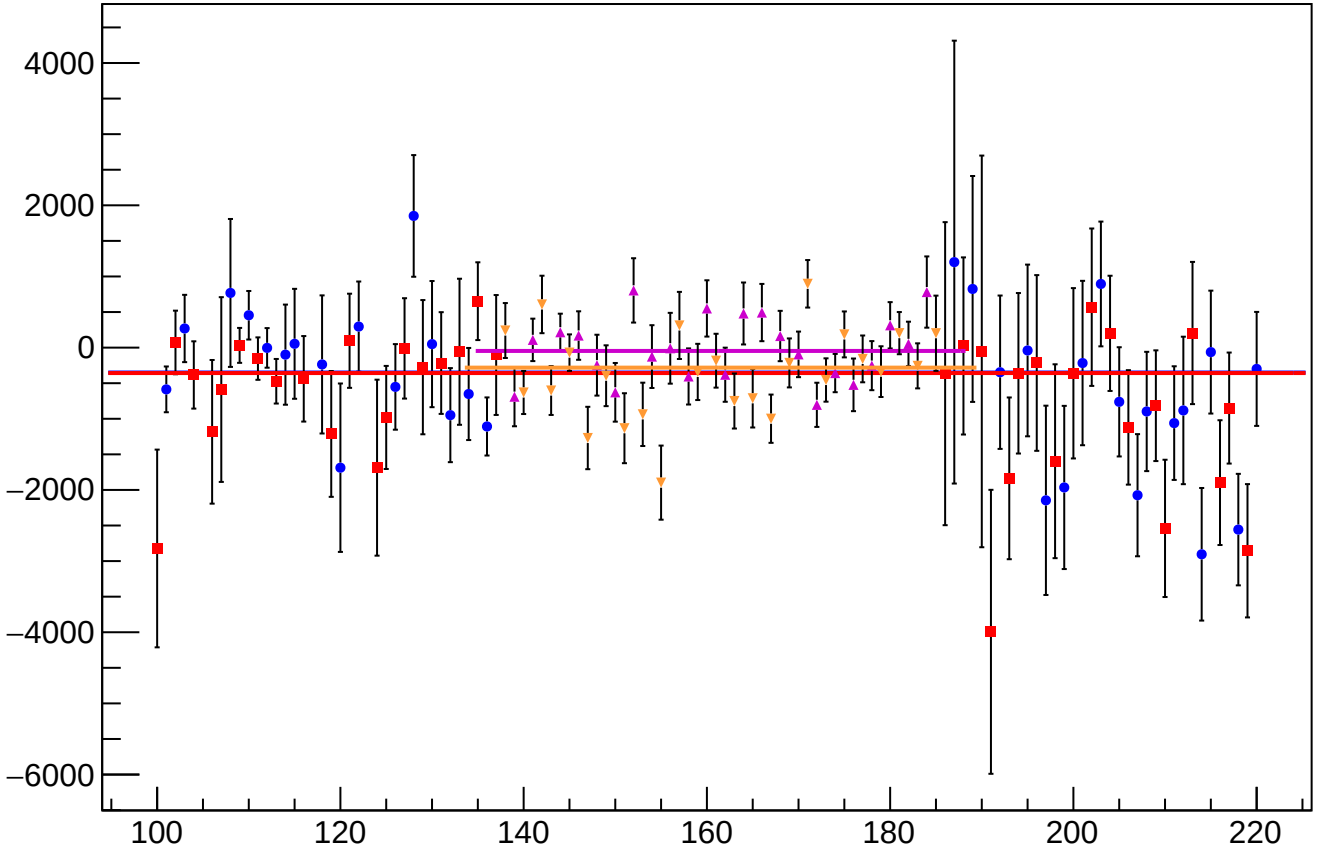
Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 76.187+/-0.009 χ^2/NDF: 2405190.1/57

All: 76.638+/-0.006 χ^2/NDF: 5293949.5/117

- sign 77.111+/-0.009 χ^2/NDF: 2883181.3/59

asym_sam7_eigen_dit_correction_mean vs Slug



Right In: -349.991+/-112.721 χ^2/NDF: 52.8/32

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -357.430+/-108.017 χ^2/NDF: 39.5/36

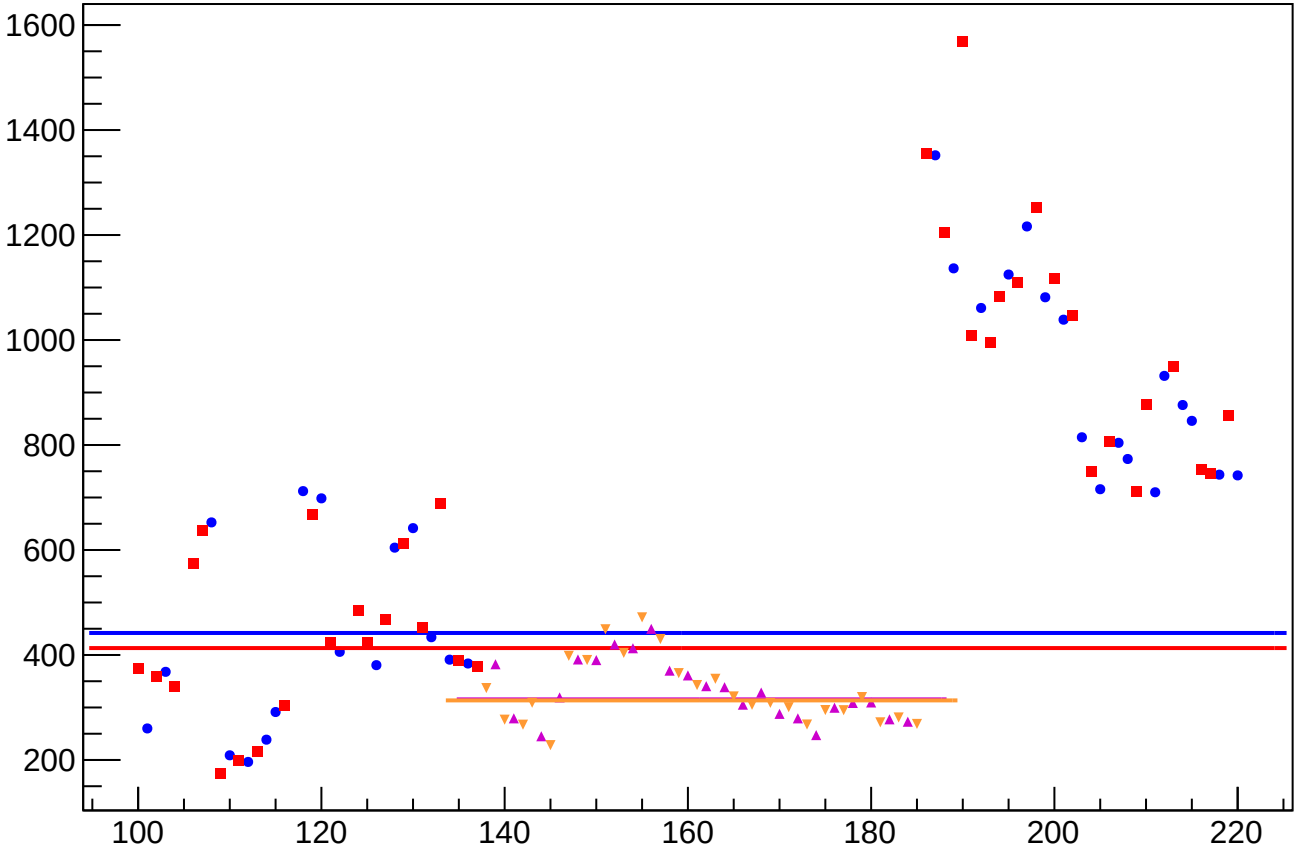
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -301.349+/-60.999 χ^2/NDF: 109.8/57

All: -225.114+/-43.326 χ^2/NDF: 188.8/117

- sign -147.499+/-61.549 χ^2/NDF: 75.8/59

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 441.940+/-0.080 χ^2/NDF: 11103552.7/32

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

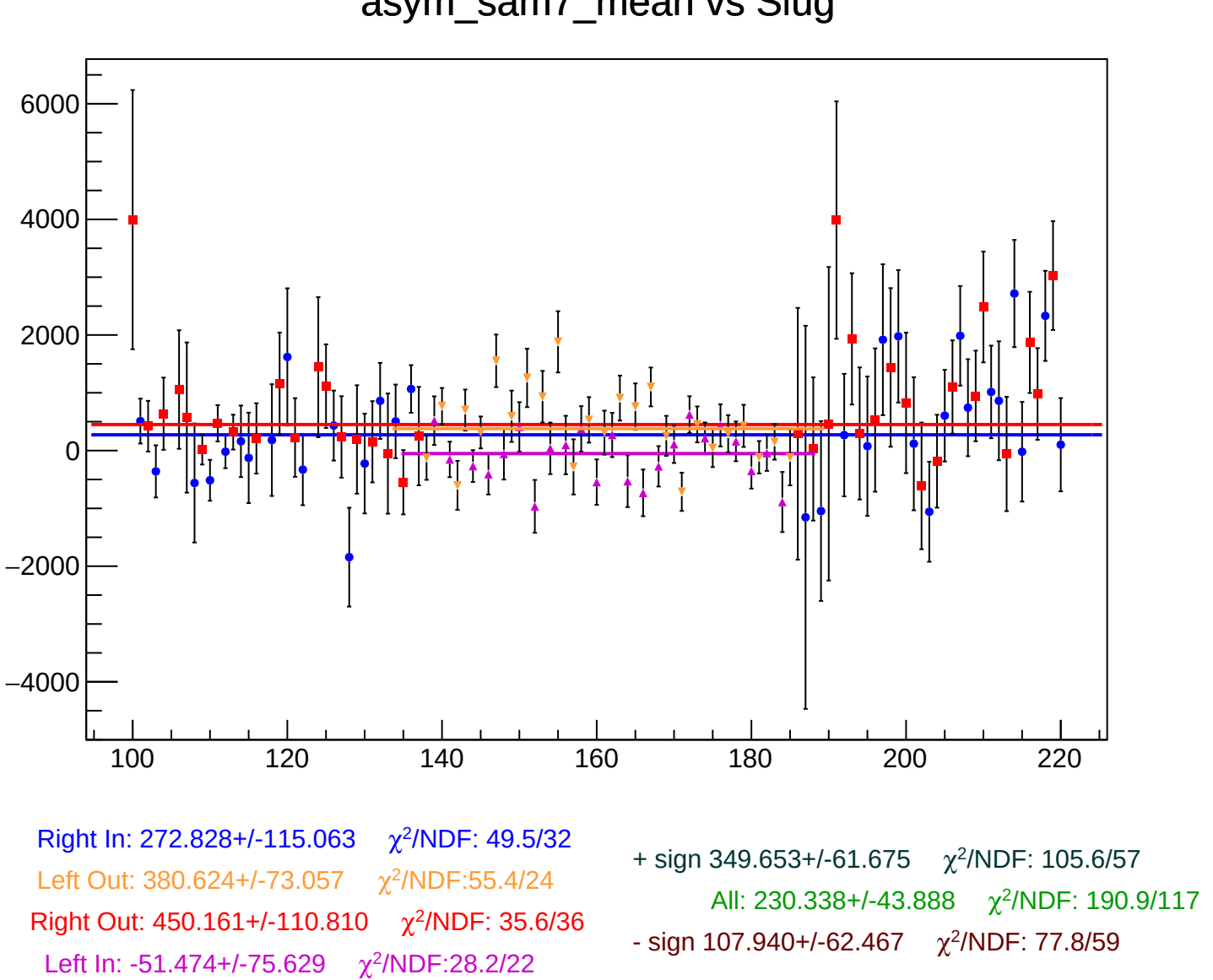
Right Out: 413.177+/-0.076 χ^2/NDF: 13387486.1/36

Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

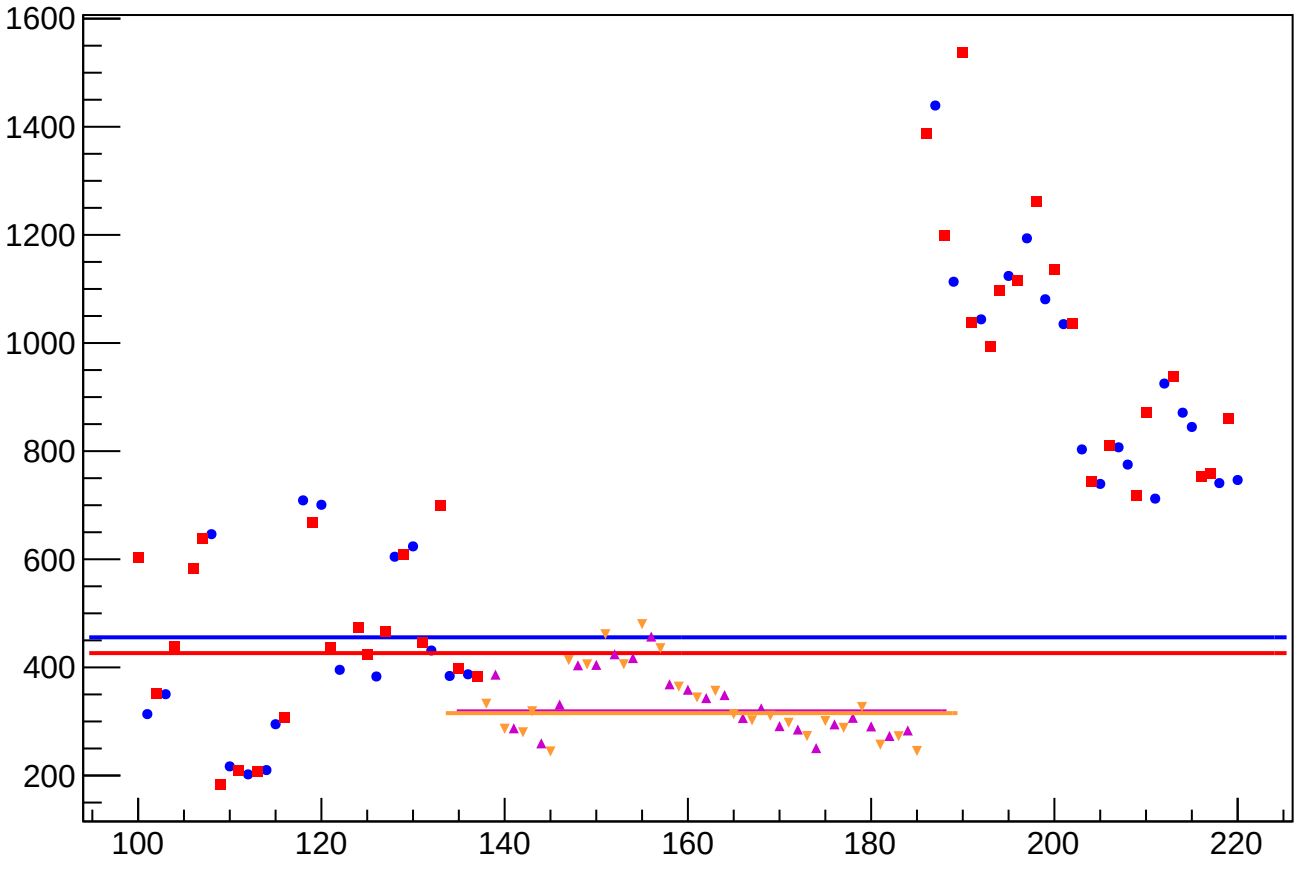
+ sign 351.113+/-0.043 χ^2/NDF: 14115364.2/57

All: 349.166+/-0.031 χ^2/NDF: 29620918.9/11

- sign 347.184+/-0.044 χ^2/NDF: 15501442.2/59


asym_sam7_mean vs Slug
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
220
Right In: 272.828+/-115.063 χ²/NDF: 49.5/32
Left Out: 380.624+/-73.057 χ²/NDF:55.4/24
Right Out: 450.161+/-110.810 χ²/NDF: 35.6/36
Left In: -51.474+/-75.629 χ²/NDF:28.2/22
+ sign 349.653+/-61.675 χ²/NDF: 105.6/57
All: 230.338+/-43.888 χ²/NDF: 190.9/117
- sign 107.940+/-62.467 χ²/NDF: 77.8/59

asym_sam7_rms vs Slug



Right In: 455.646+/-0.081 χ^2/NDF: 10480689.4/32

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

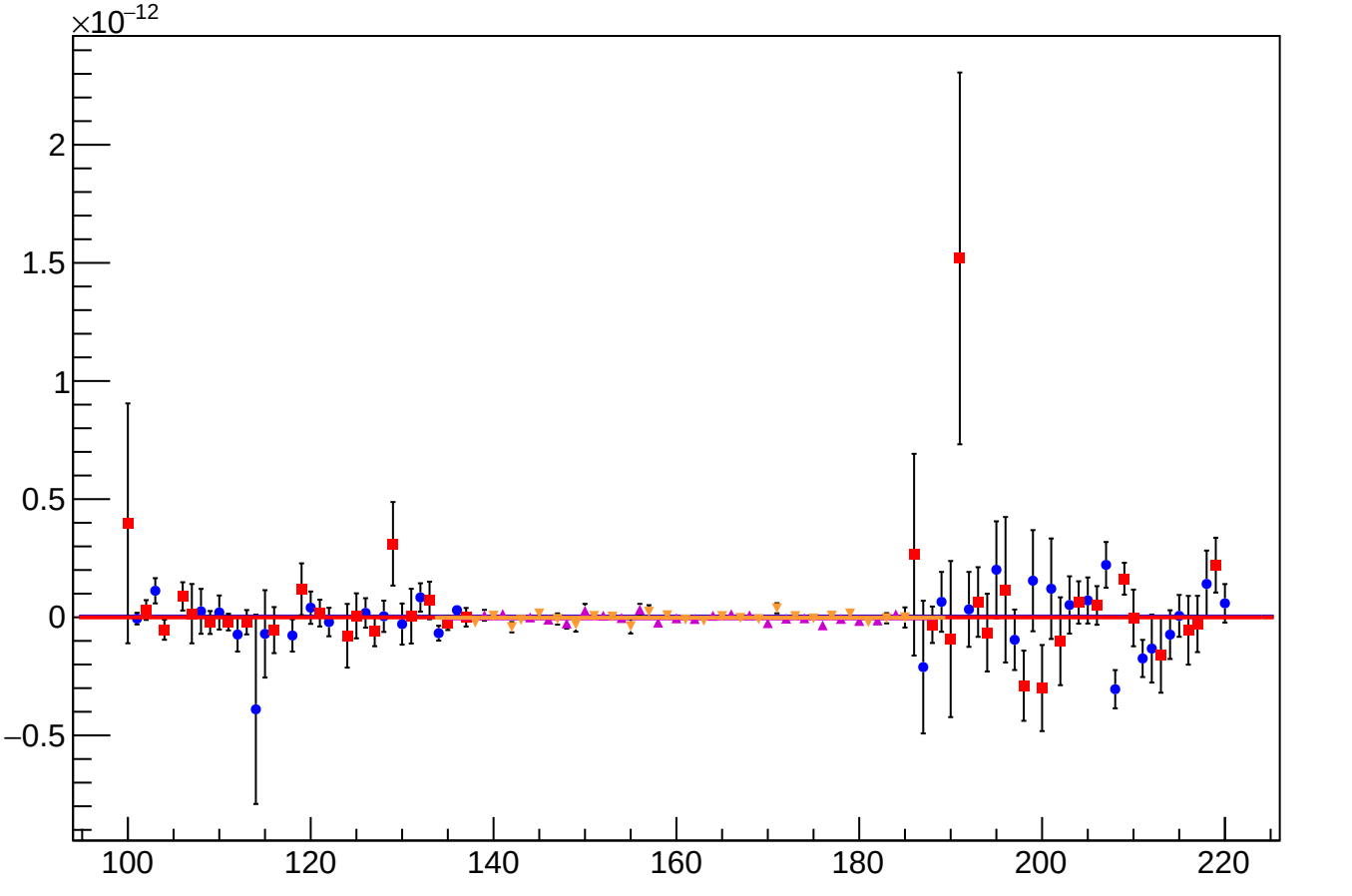
Right Out: 426.417+/-0.078 χ^2/NDF: 13007069.0/36

Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 355.691+/-0.044 χ^2/NDF: 13808515.0/57

All: 354.325+/-0.031 χ^2/NDF: 29098754.8/11

- sign 352.923+/-0.044 χ^2/NDF: 15288251.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 49.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

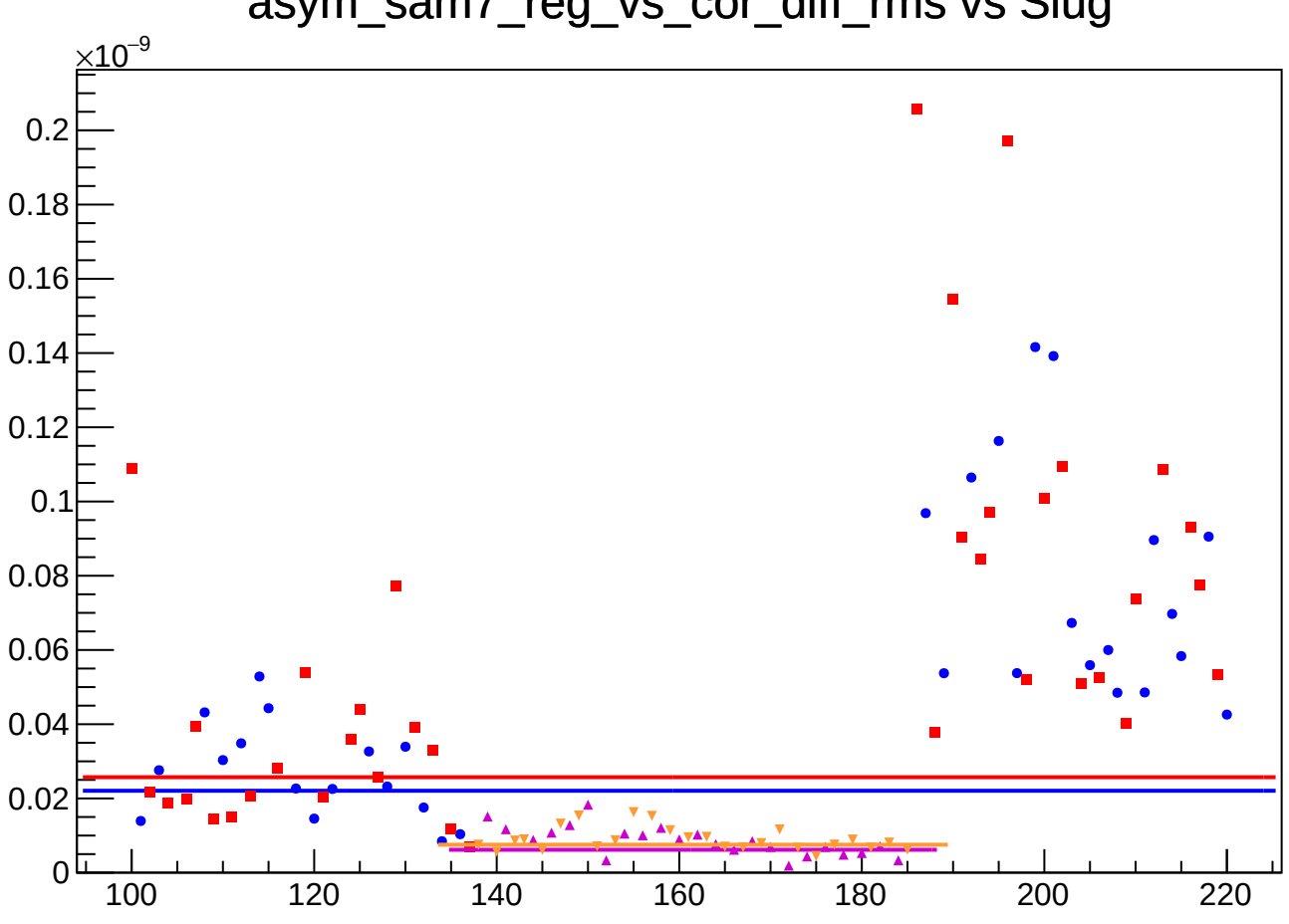
Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/36

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.4/57

All: -0.000+/-0.000 χ^2/NDF: 122.8/117

- sign -0.000+/-0.000 χ^2/NDF: 53.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 7526764.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6926409.0/36

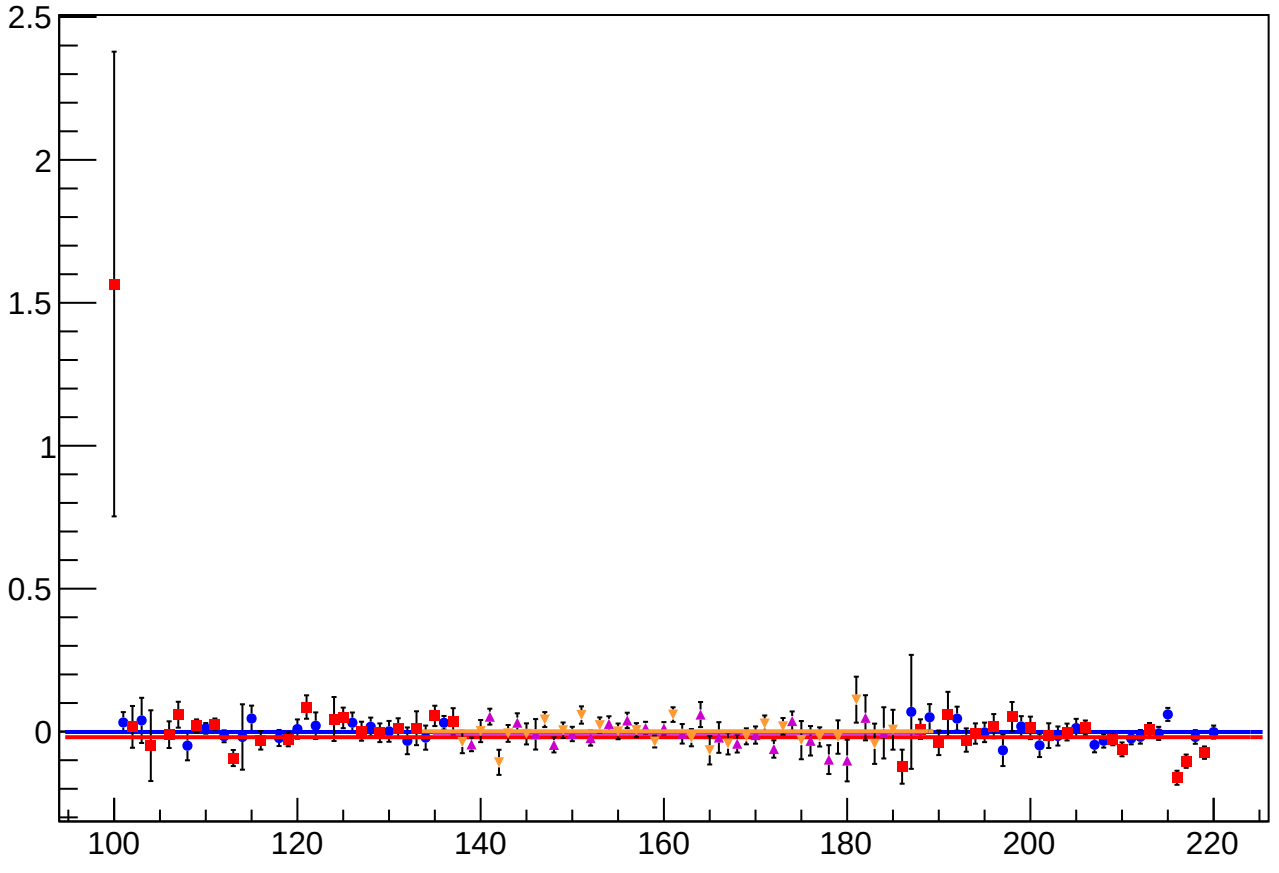
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12441563.2/57

All: 0.000+/-0.000 χ^2/NDF: 27590843.7/117

- sign 0.000+/-0.000 χ^2/NDF: 14906051.8/59

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/32

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.020+/-0.005 χ^2/NDF: 108.6/36

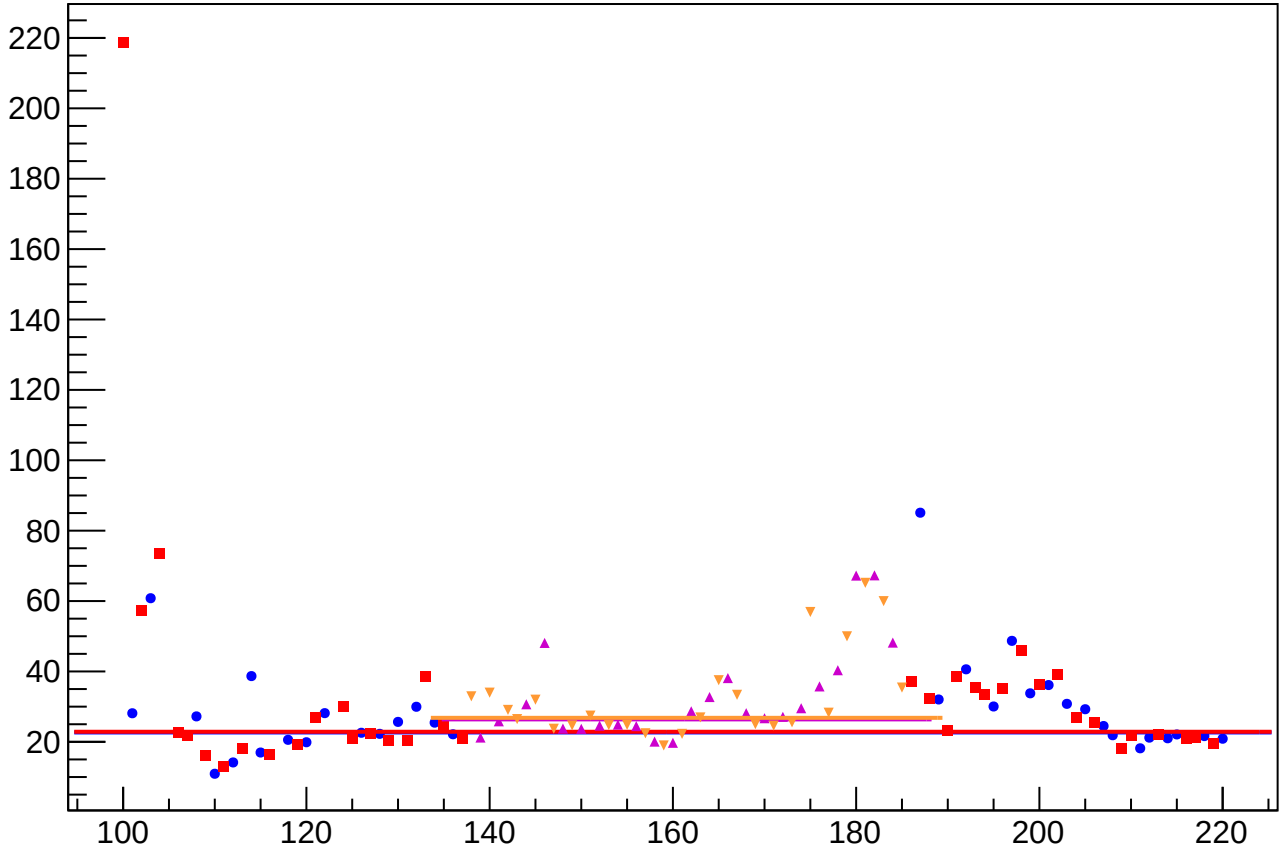
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.000+/-0.004 χ^2/NDF: 59.1/57

All: -0.007+/-0.003 χ^2/NDF: 207.1/117

- sign -0.013+/-0.004 χ^2/NDF: 143.1/59

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 22.667+/-0.004 χ^2/NDF: 3793597.8/32

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 22.864+/-0.004 χ^2/NDF: 4037630.5/36

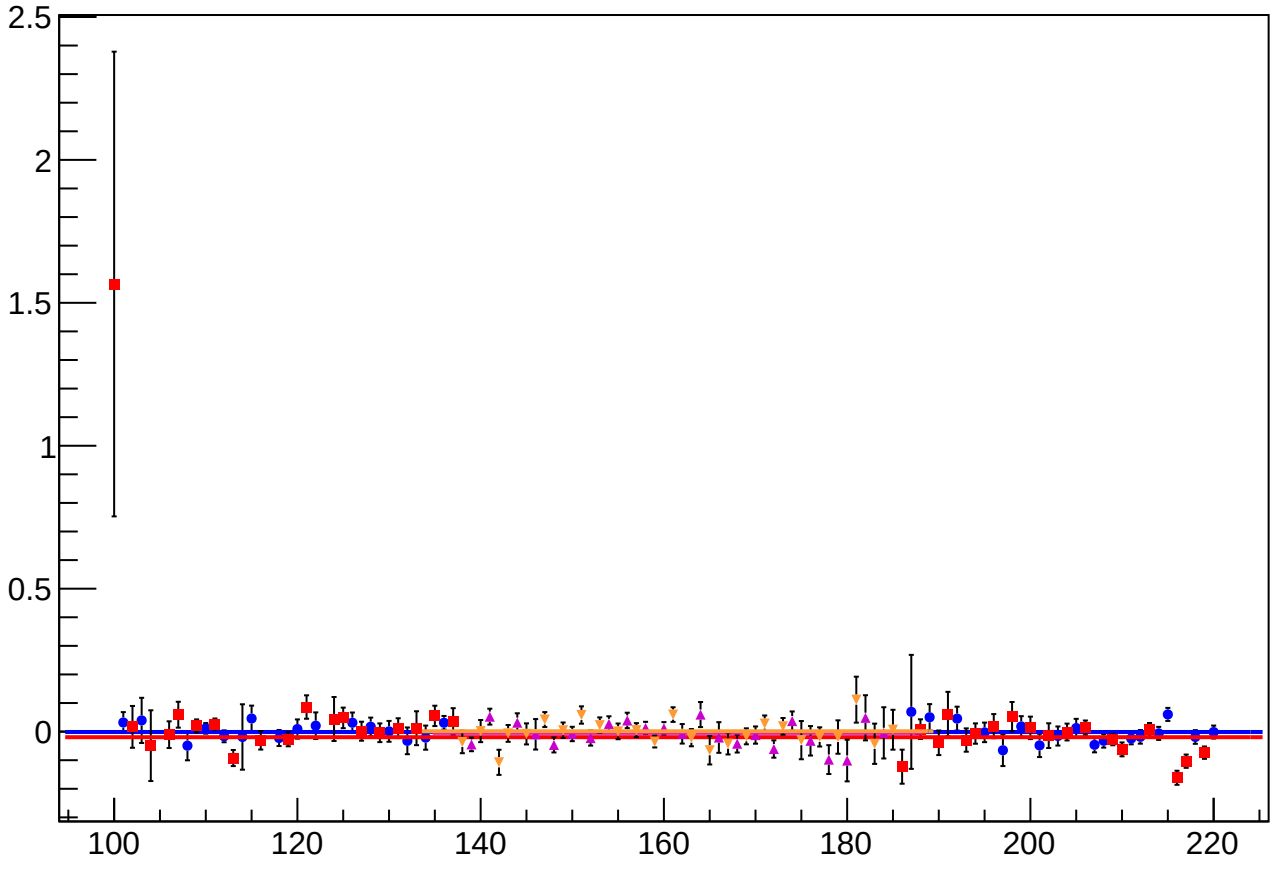
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.335+/-0.003 χ^2/NDF: 6752858.3/57

All: 24.296+/-0.002 χ^2/NDF: 13698888.1/117

- sign 24.256+/-0.003 χ^2/NDF: 6945658.8/59

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/32

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.020+/-0.005 χ^2/NDF: 108.6/36

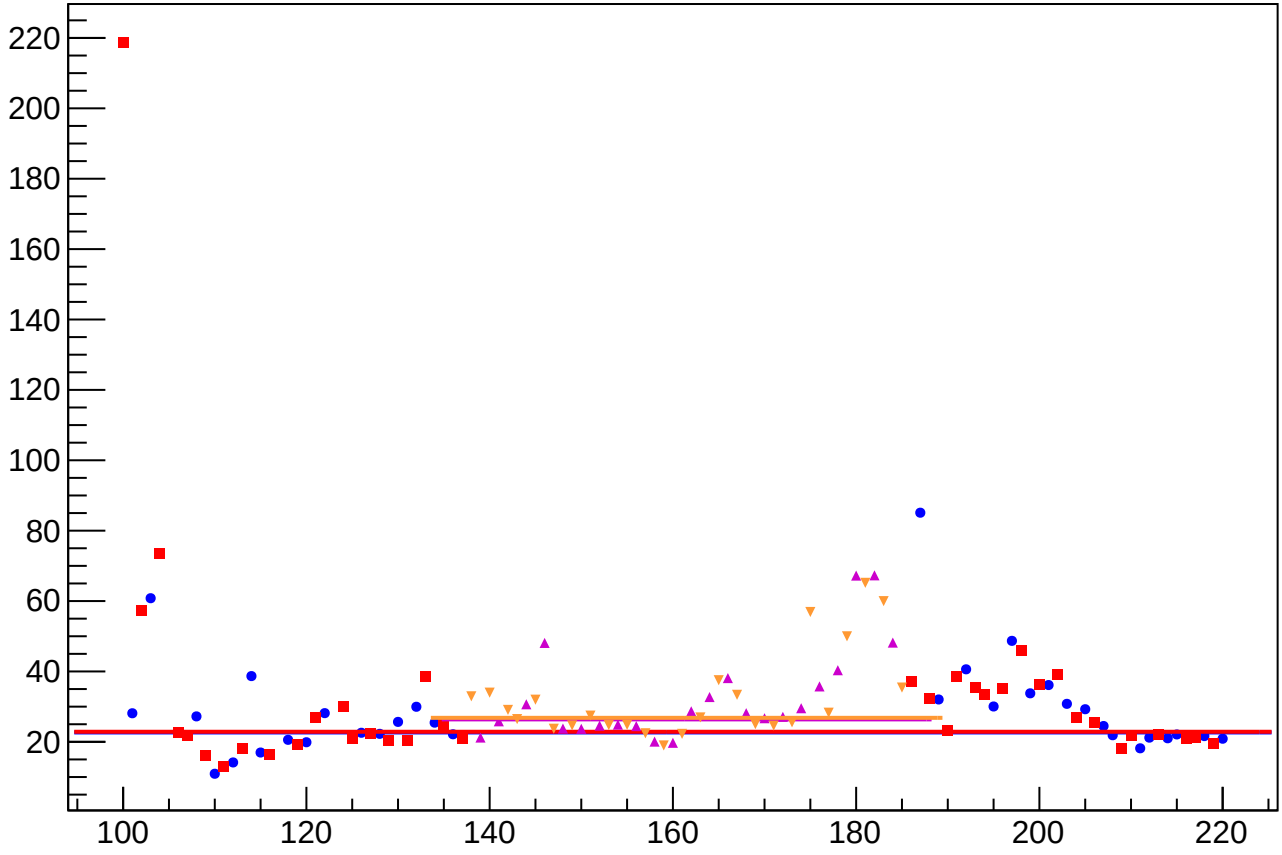
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.000+/-0.004 χ^2/NDF: 59.1/57

All: -0.007+/-0.003 χ^2/NDF: 207.1/117

- sign -0.013+/-0.004 χ^2/NDF: 143.1/59

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.667+/-0.004 χ^2/NDF: 3793597.8/32

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

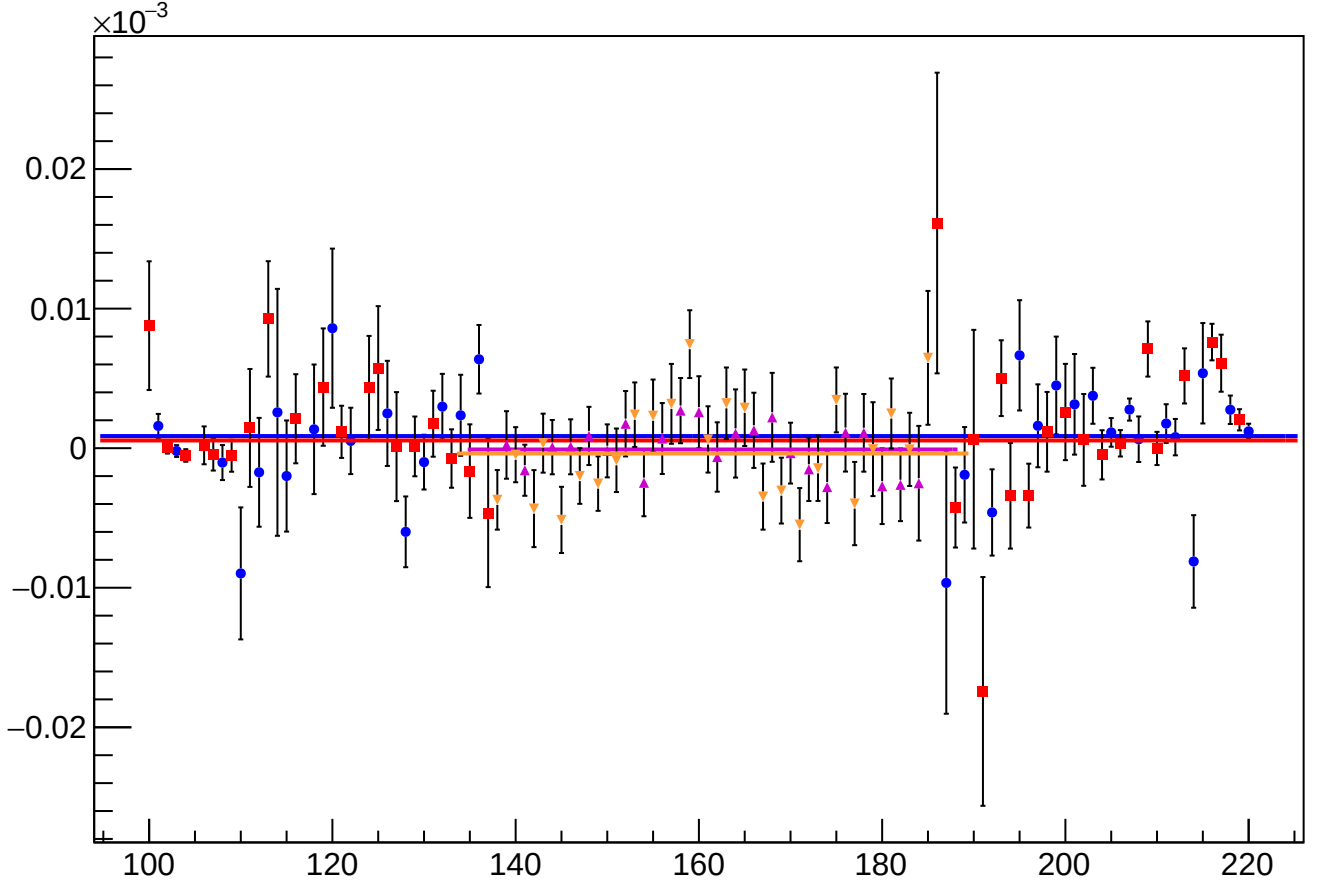
Right Out: 22.864+/-0.004 χ^2/NDF: 4037630.5/36

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 24.335+/-0.003 χ^2/NDF: 6752858.3/57

All: 24.296+/-0.002 χ^2/NDF: 13698888.1/117

- sign 24.256+/-0.003 χ^2/NDF: 6945658.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 61.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 96.7/36

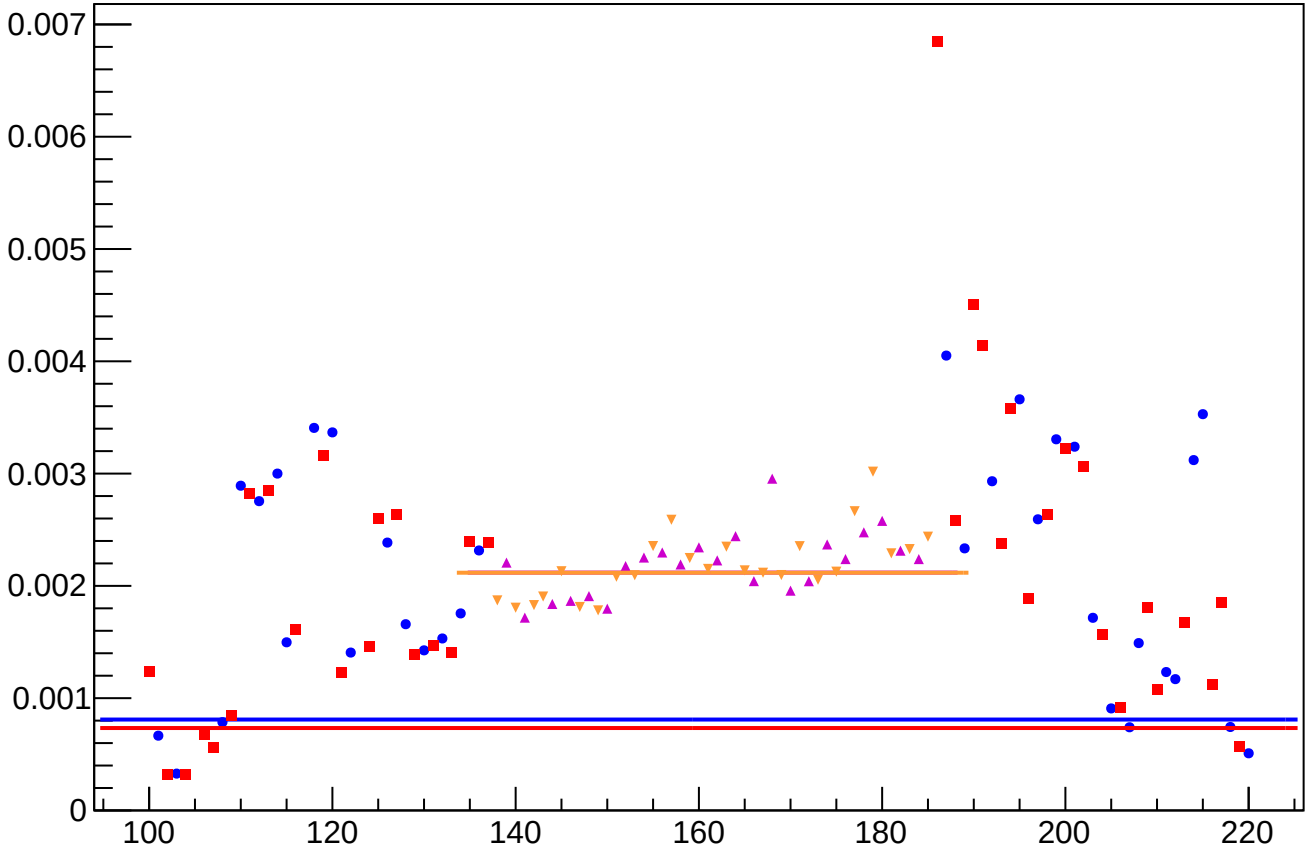
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 109.4/57

All: 0.000+/-0.000 χ^2/NDF: 218.1/117

- sign 0.000+/-0.000 χ^2/NDF: 108.2/59

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 15921853.2/32

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 18186602.8/36

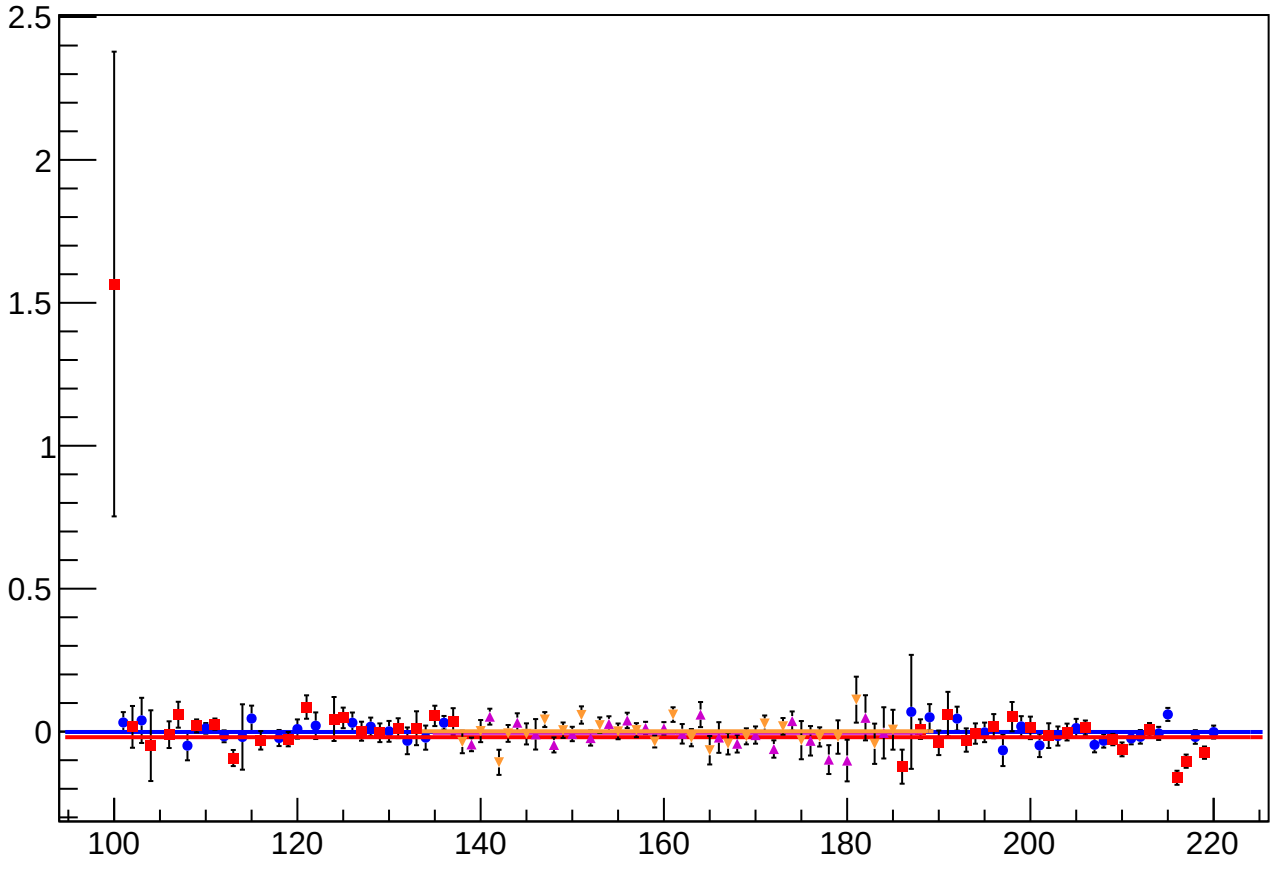
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 28237178.2/57

All: 0.001+/-0.000 χ^2/NDF: 60089821.4/117

- sign 0.001+/-0.000 χ^2/NDF: 31623908.5/59

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/32

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.020+/-0.005 χ^2/NDF: 108.6/36

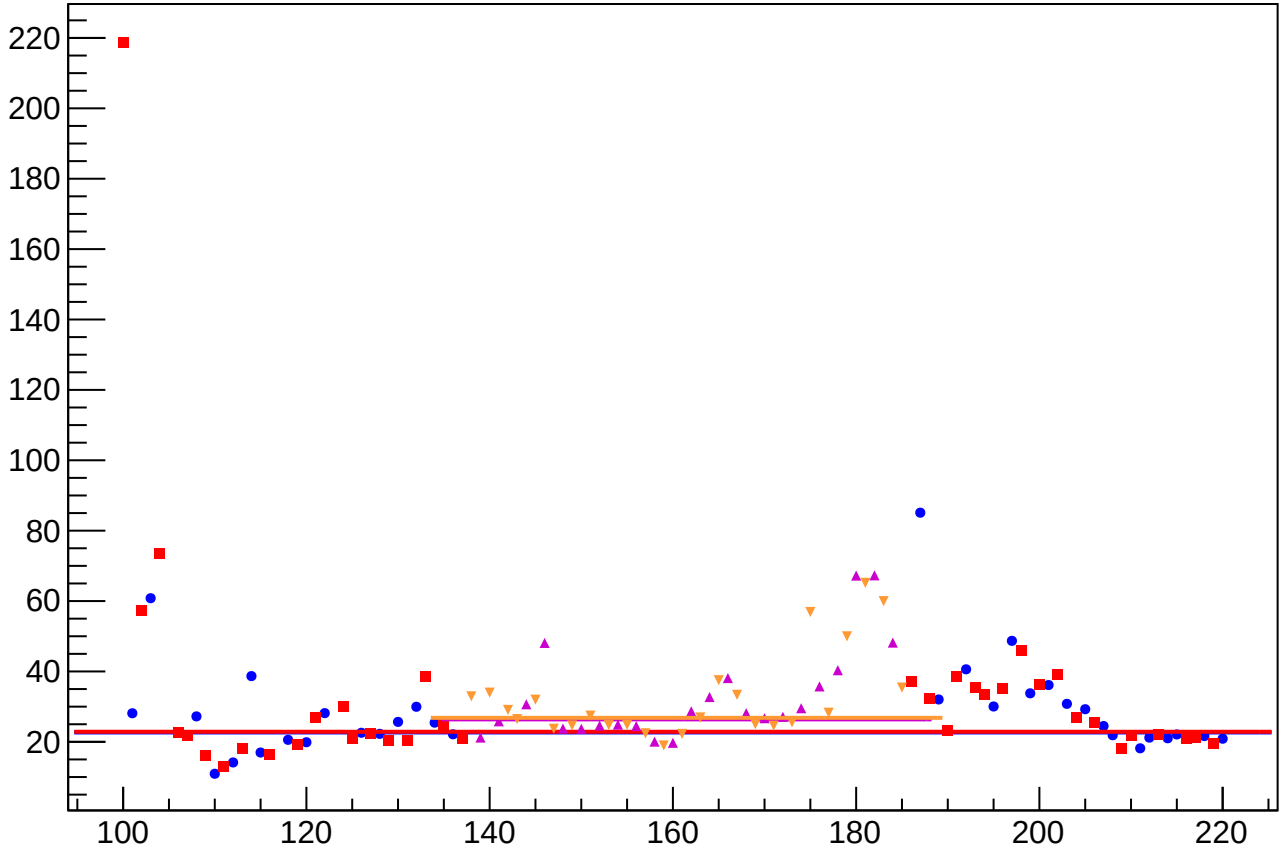
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.000+/-0.004 χ^2/NDF: 59.1/57

All: -0.007+/-0.003 χ^2/NDF: 207.1/117

- sign -0.013+/-0.004 χ^2/NDF: 143.1/59

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 22.667+/-0.004 χ^2/NDF: 3793333.2/32

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

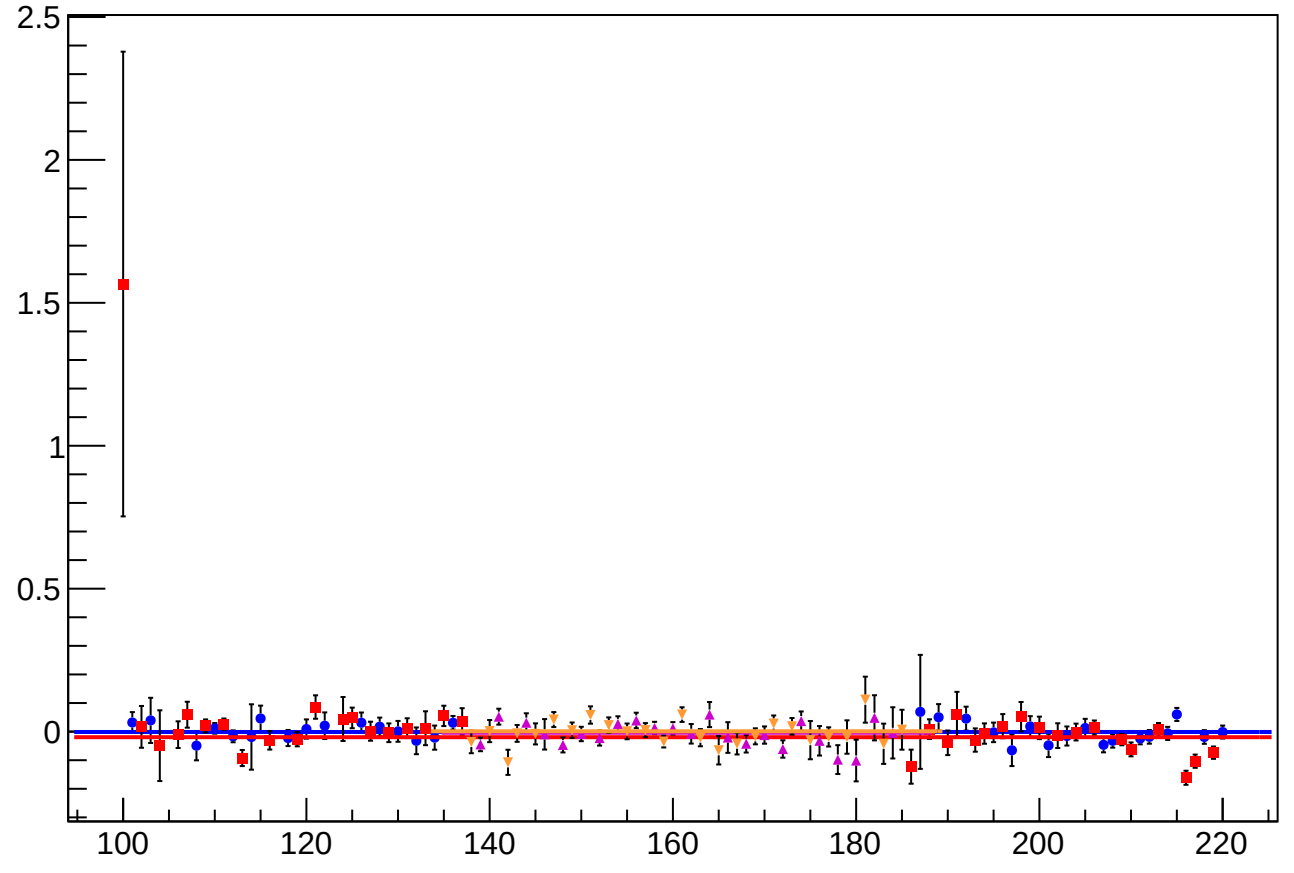
Right Out: 22.864+/-0.004 χ^2/NDF: 4037450.7/36

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.336+/-0.003 χ^2/NDF: 6752544.1/57

All: 24.296+/-0.002 χ^2/NDF: 13698470.4/117

- sign 24.256+/-0.003 χ^2/NDF: 6945552.6/59



Right In: -0.001+/-0.005 χ^2/NDF: 28.7/32

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: -0.020+/-0.005 χ^2/NDF: 108.6/36

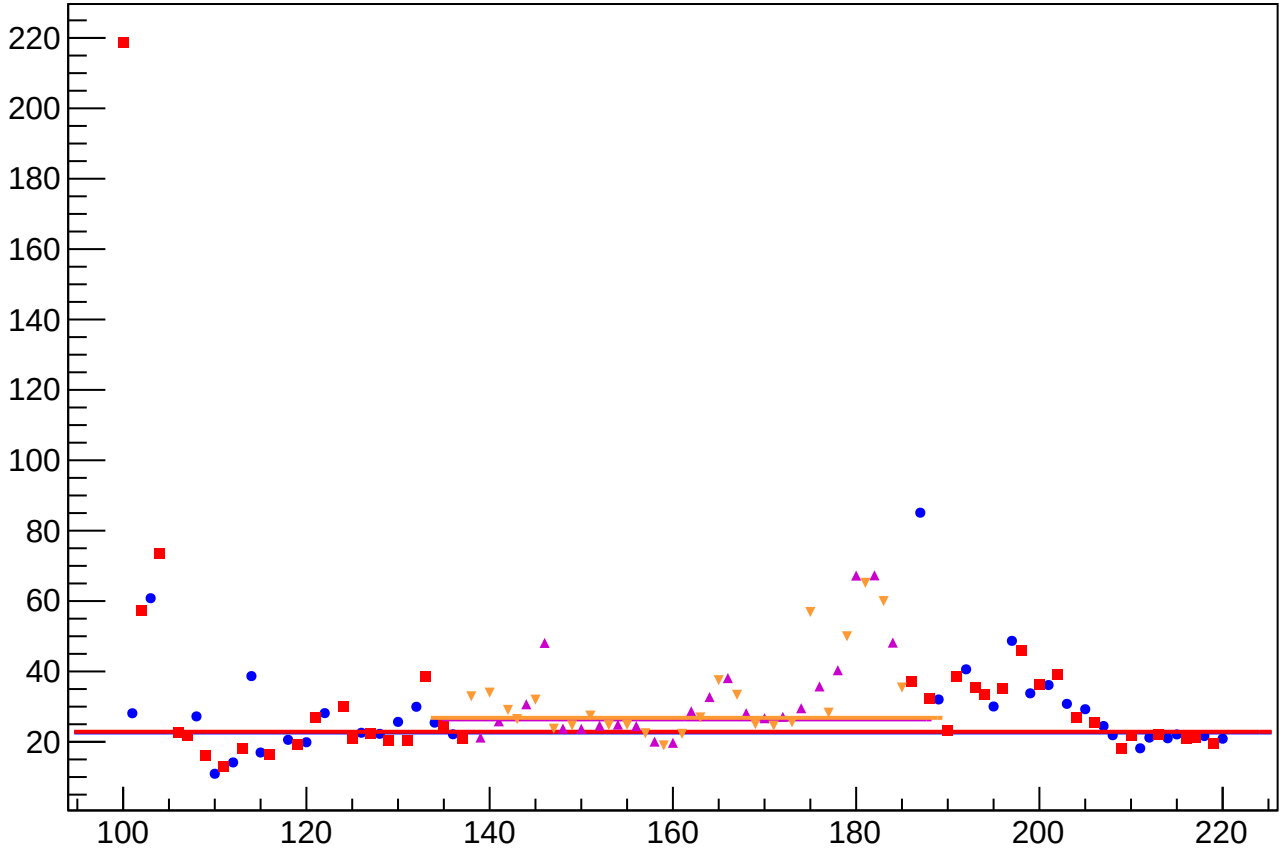
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign -0.000+/-0.004 χ^2/NDF: 59.1/57

All: -0.007+/-0.003 χ^2/NDF: 207.1/117

- sign -0.013+/-0.004 χ^2/NDF: 143.1/59

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.667+/-0.004 χ^2/NDF: 3793333.2/32

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

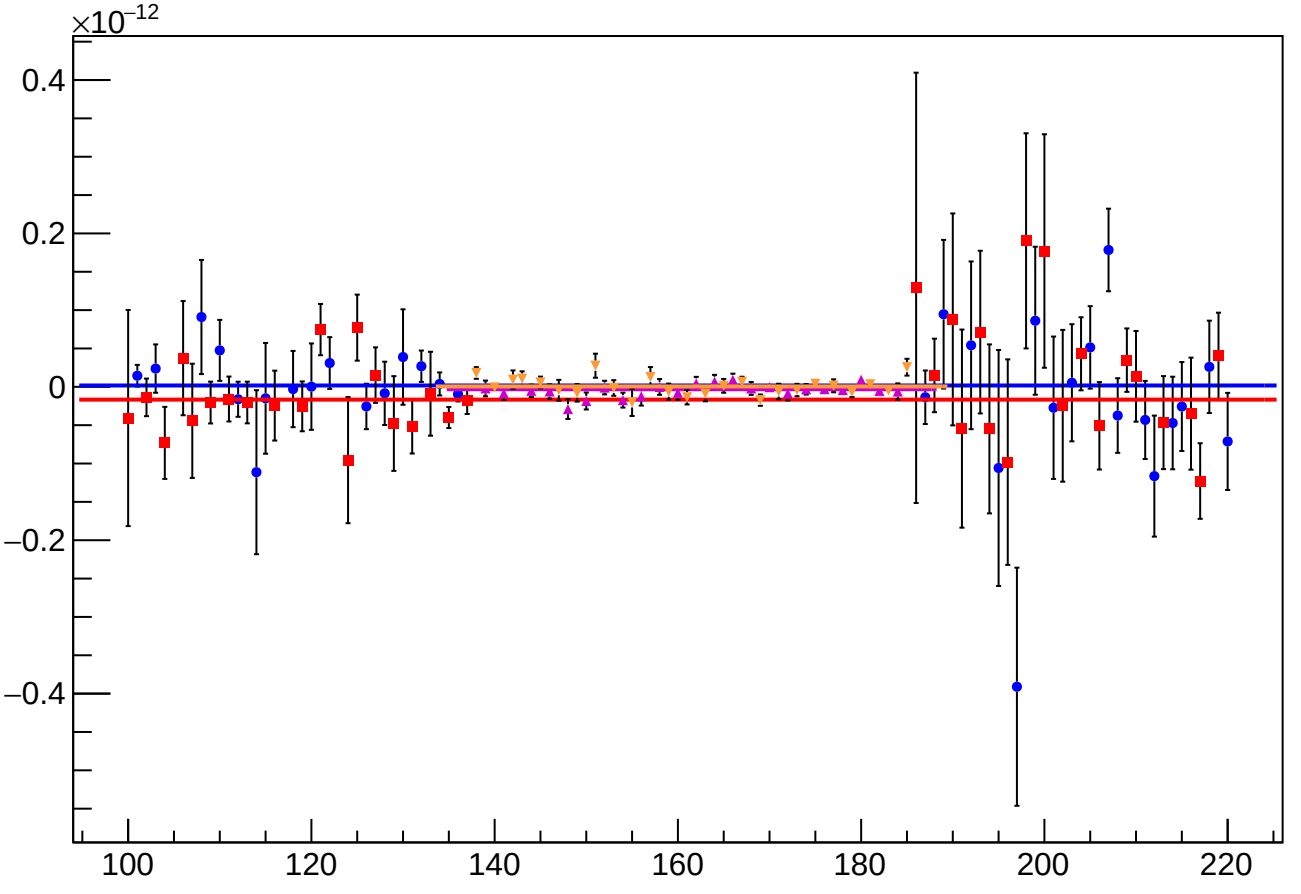
Right Out: 22.864+/-0.004 χ^2/NDF: 4037450.7/36

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 24.336+/-0.003 χ^2/NDF: 6752544.1/57

All: 24.296+/-0.002 χ^2/NDF: 13698470.4/117

- sign 24.256+/-0.003 χ^2/NDF: 6945552.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 37.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.5/36

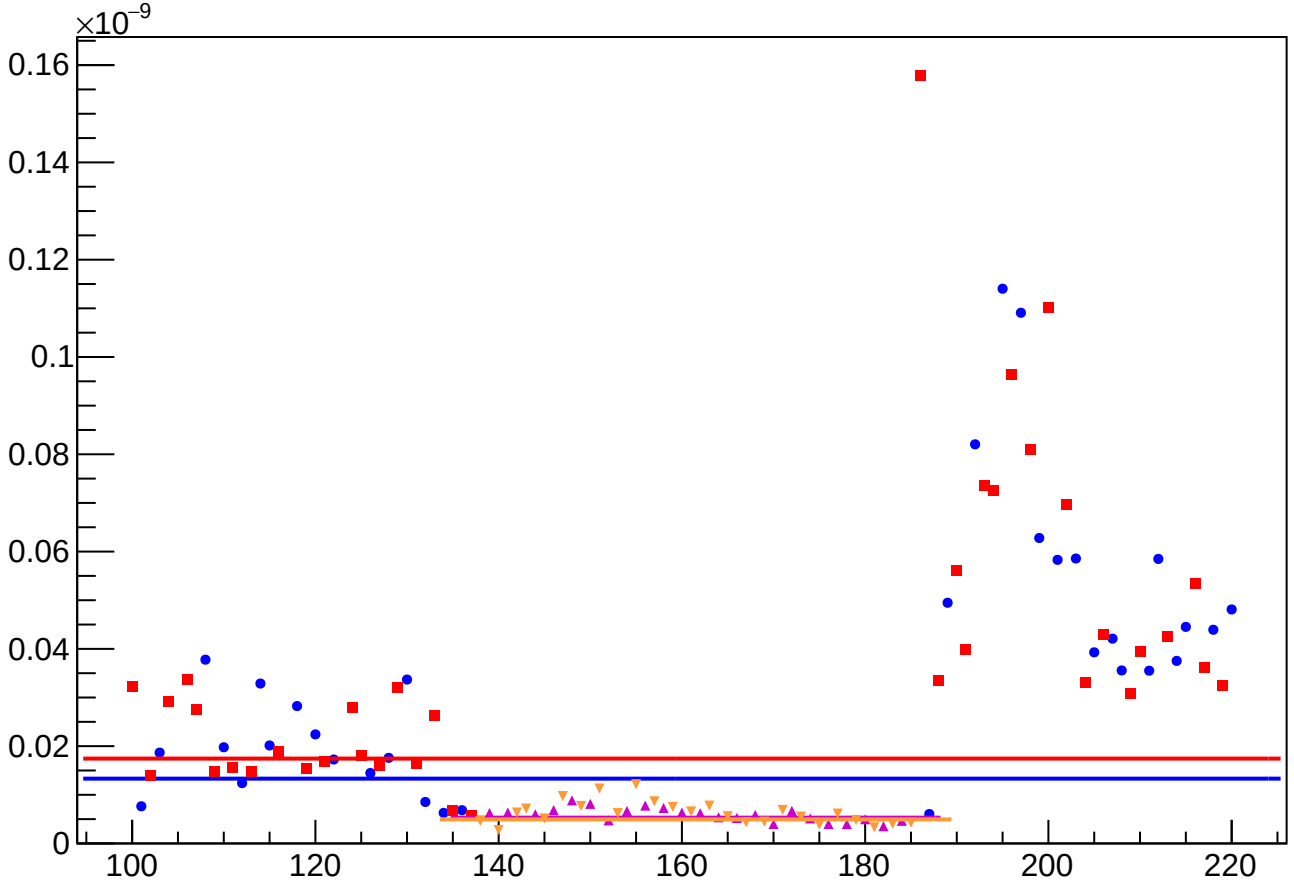
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.3/57

All: -0.000+/-0.000 χ^2/NDF: 134.2/117

- sign -0.000+/-0.000 χ^2/NDF: 59.7/59

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11711131.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9438686.9/36

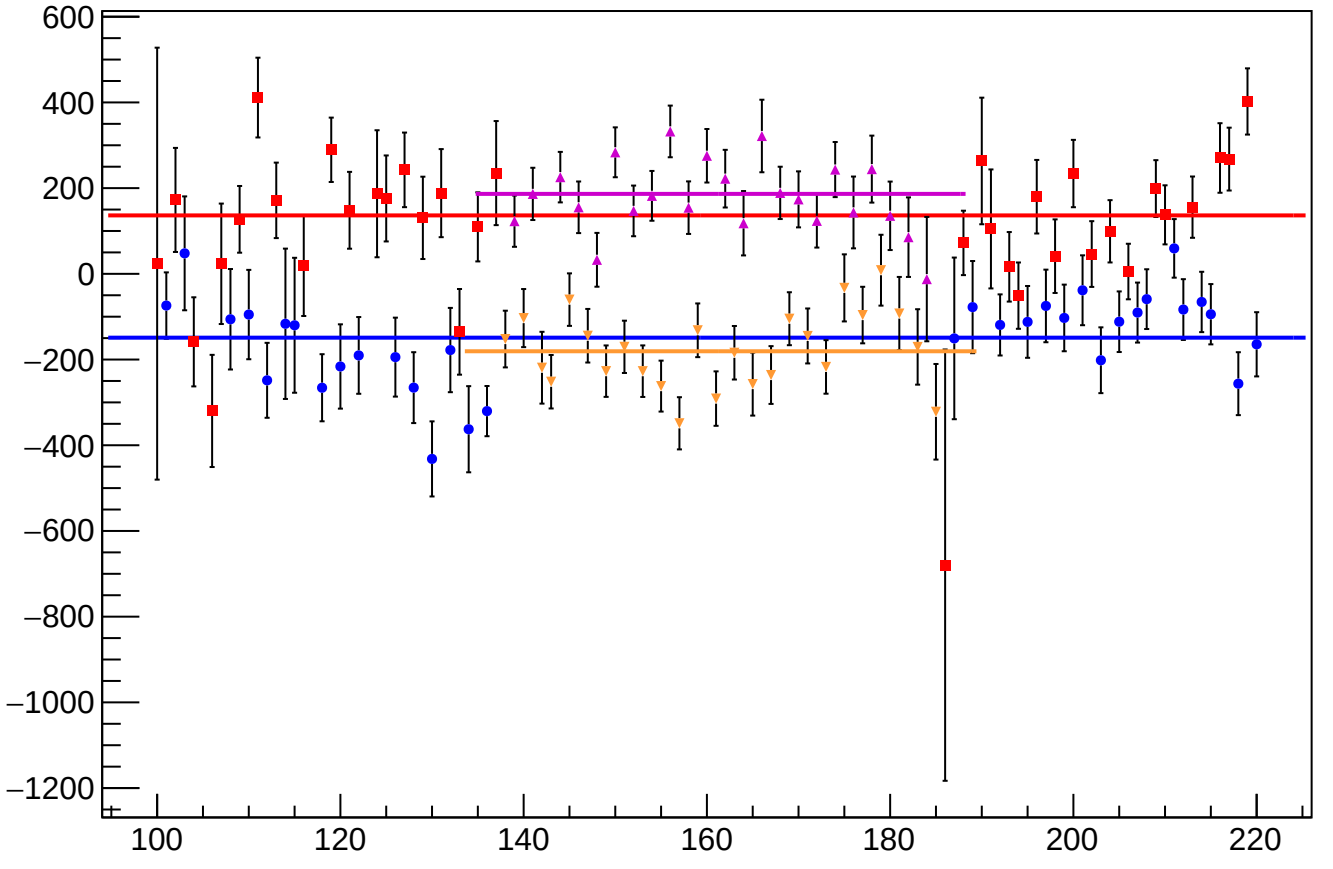
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 18975598.7/57

All: 0.000+/-0.000 χ^2/NDF: 36345113.0/117

- sign 0.000+/-0.000 χ^2/NDF: 17283755.8/59

reg_asym_sam8_mean vs Slug



Right In: -148.953+/-14.525 χ^2/NDF: 54.8/32

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 136.354+/-14.702 χ^2/NDF: 84.9/36

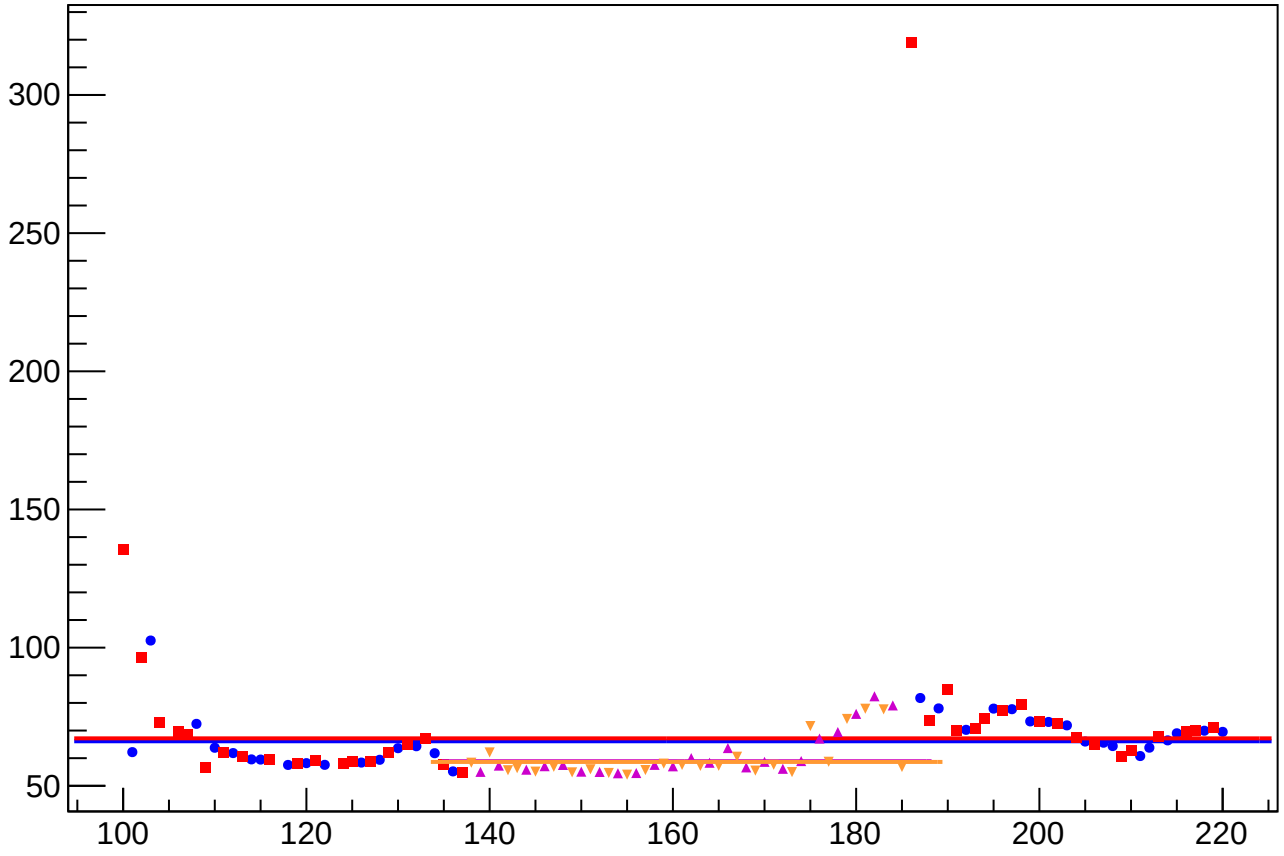
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -166.074+/-9.856 χ^2/NDF: 96.0/57

All: -5.340+/-7.049 χ^2/NDF: 760.5/117

- sign 162.941+/-10.085 χ^2/NDF: 120.1/59

reg_asym_sam8_rms vs Slug



Right In: 66.121+/-0.010 χ^2/NDF: 525034.6/32

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.175+/-0.010 χ^2/NDF: 1058576.1/36

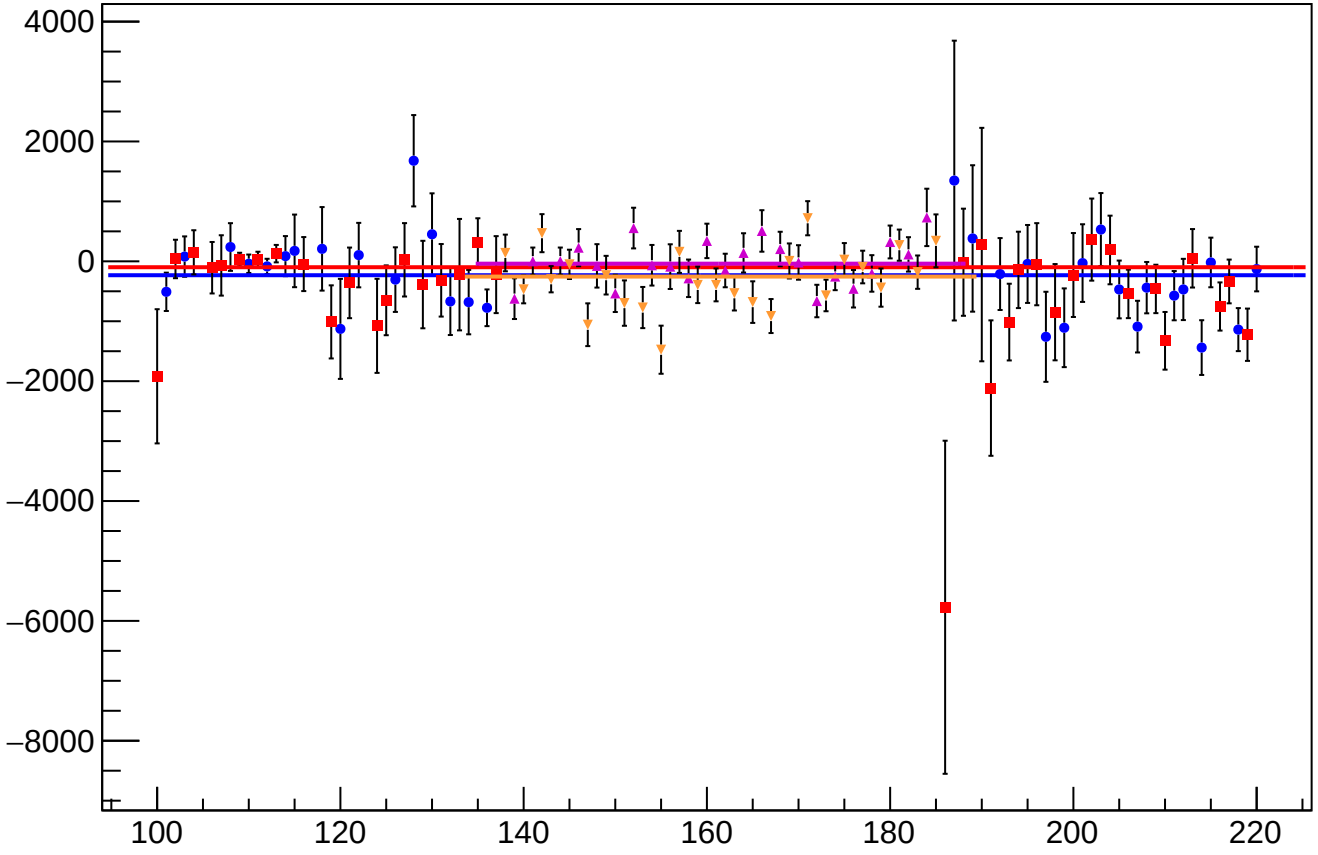
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 62.087+/-0.007 χ^2/NDF: 1204833.0/57

All: 62.434+/-0.005 χ^2/NDF: 2990217.1/117

- sign 62.797+/-0.007 χ^2/NDF: 1780314.7/59

asym_sam8_reg_correction_mean vs Slug



Right In: -231.896+/-64.846 χ^2/NDF: 46.1/32

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -98.432+/-57.488 χ^2/NDF: 43.7/36

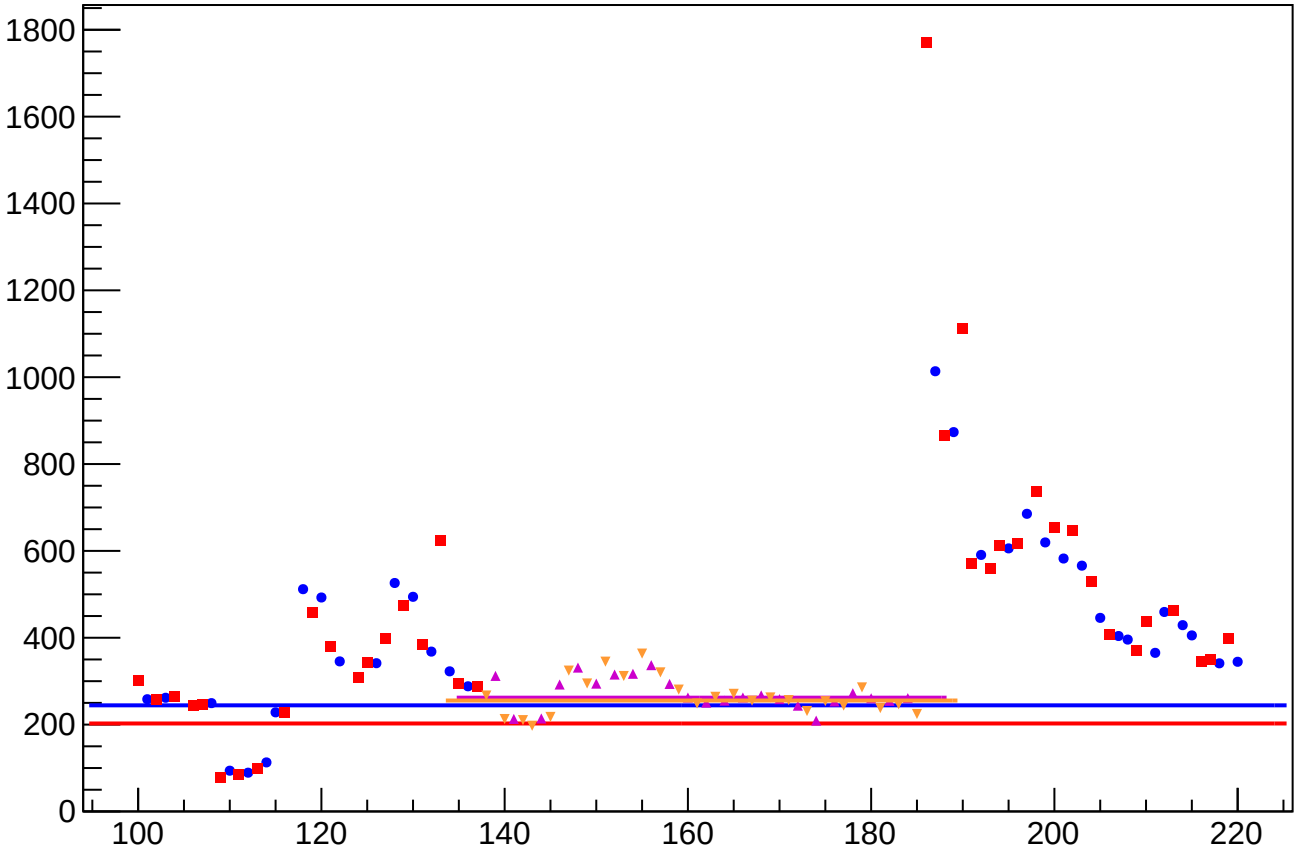
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -244.356+/-43.590 χ^2/NDF: 103.8/57

All: -154.687+/-30.289 χ^2/NDF: 184.5/117

- sign -70.969+/-42.118 χ^2/NDF: 72.5/59

asym_sam8_reg_correction_rms vs Slug



Right In: 244.366+/-0.046 χ^2/NDF: 13330295.4/32

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 202.574+/-0.041 χ^2/NDF: 17750476.9/36

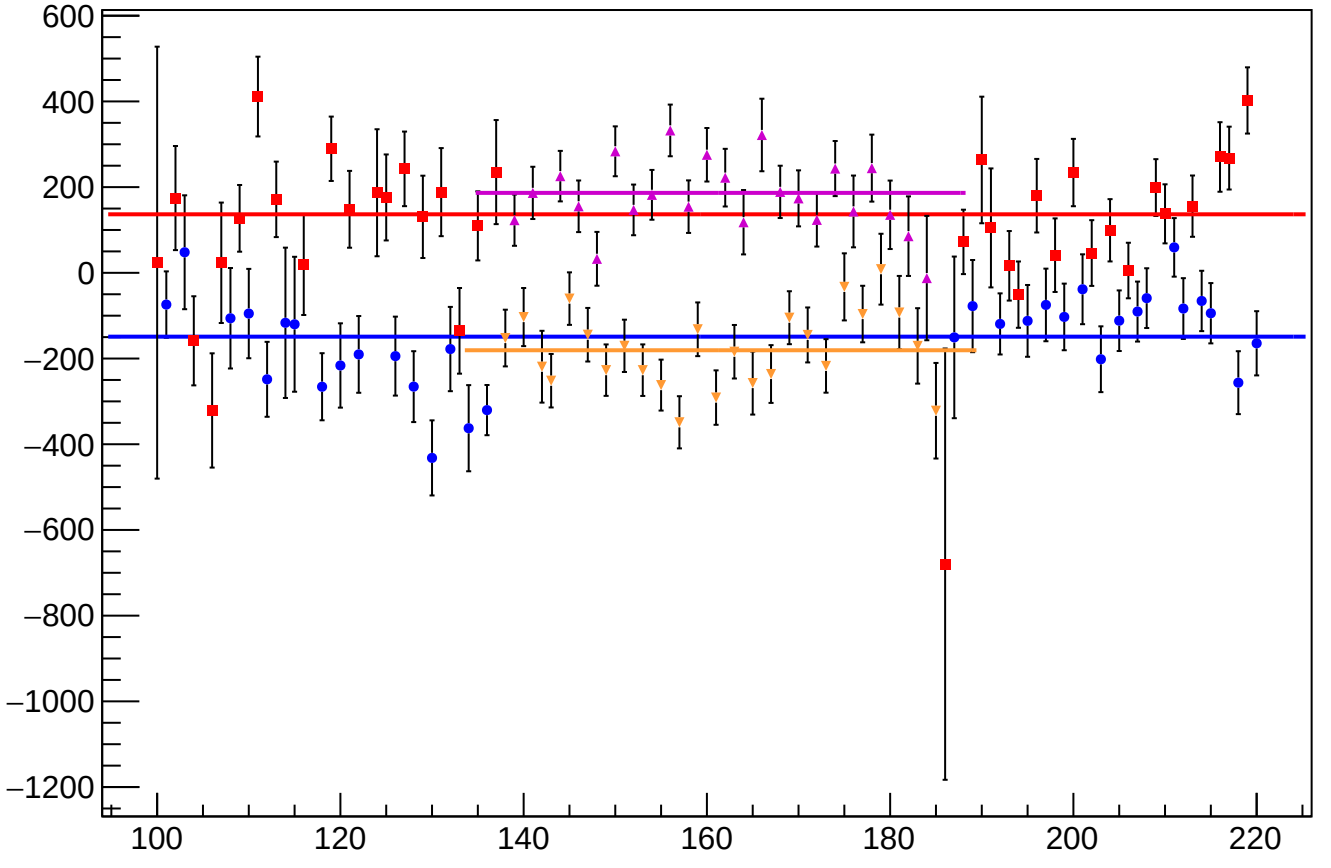
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 250.452+/-0.031 χ^2/NDF: 14226305.1/57

All: 239.930+/-0.021 χ^2/NDF: 33862931.4/11

- sign 230.106+/-0.030 χ^2/NDF: 19411270.2/59

cor_asym_sam8_mean vs Slug



Right In: -148.954+/-14.525 χ^2/NDF: 54.8/32

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 136.577+/-14.706 χ^2/NDF: 84.6/36

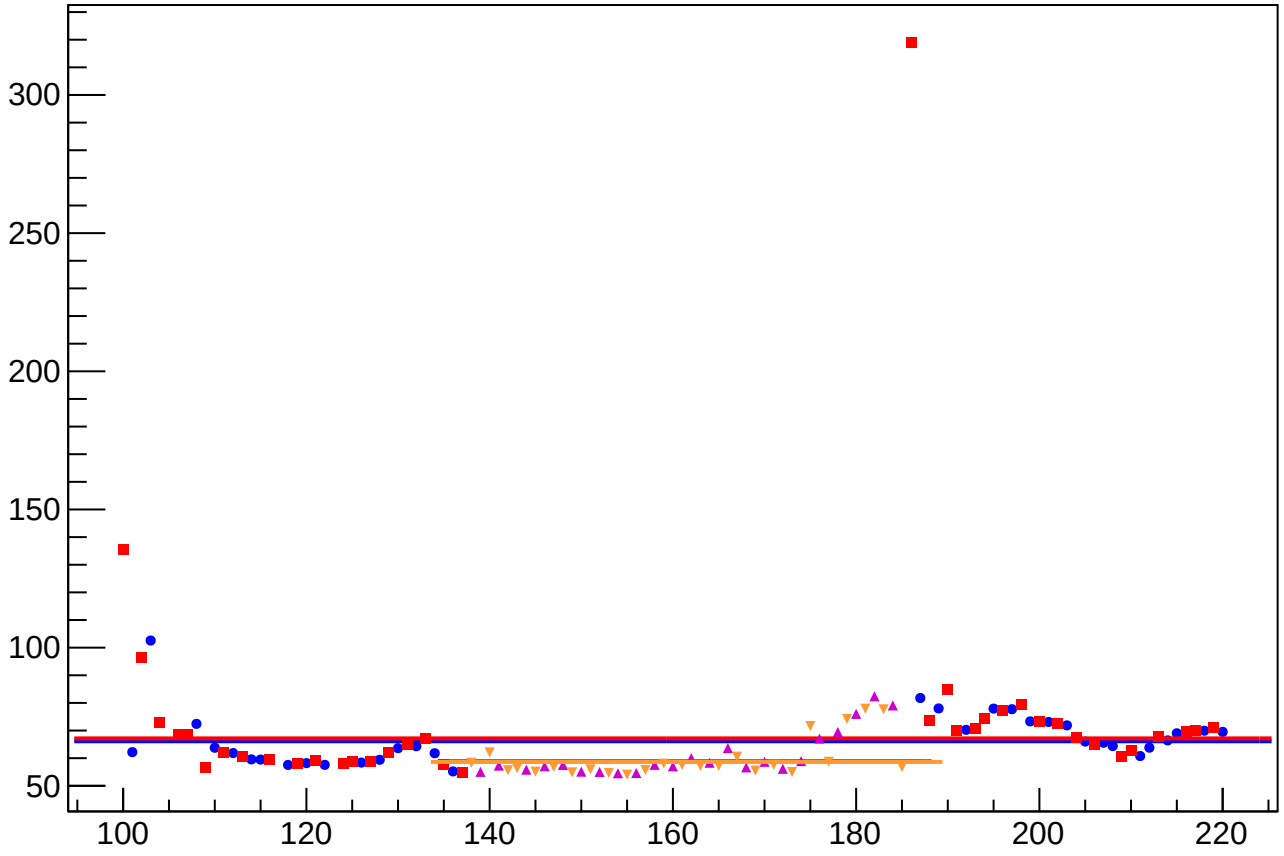
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -166.071+/-9.856 χ^2/NDF: 96.0/57

All: -5.303+/-7.049 χ^2/NDF: 760.4/117

- sign 163.052+/-10.086 χ^2/NDF: 119.7/59

cor_asym_sam8_rms vs Slug



Right In: 66.121+/-0.010 χ^2/NDF: 525037.0/32

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.159+/-0.010 χ^2/NDF: 1058249.9/36

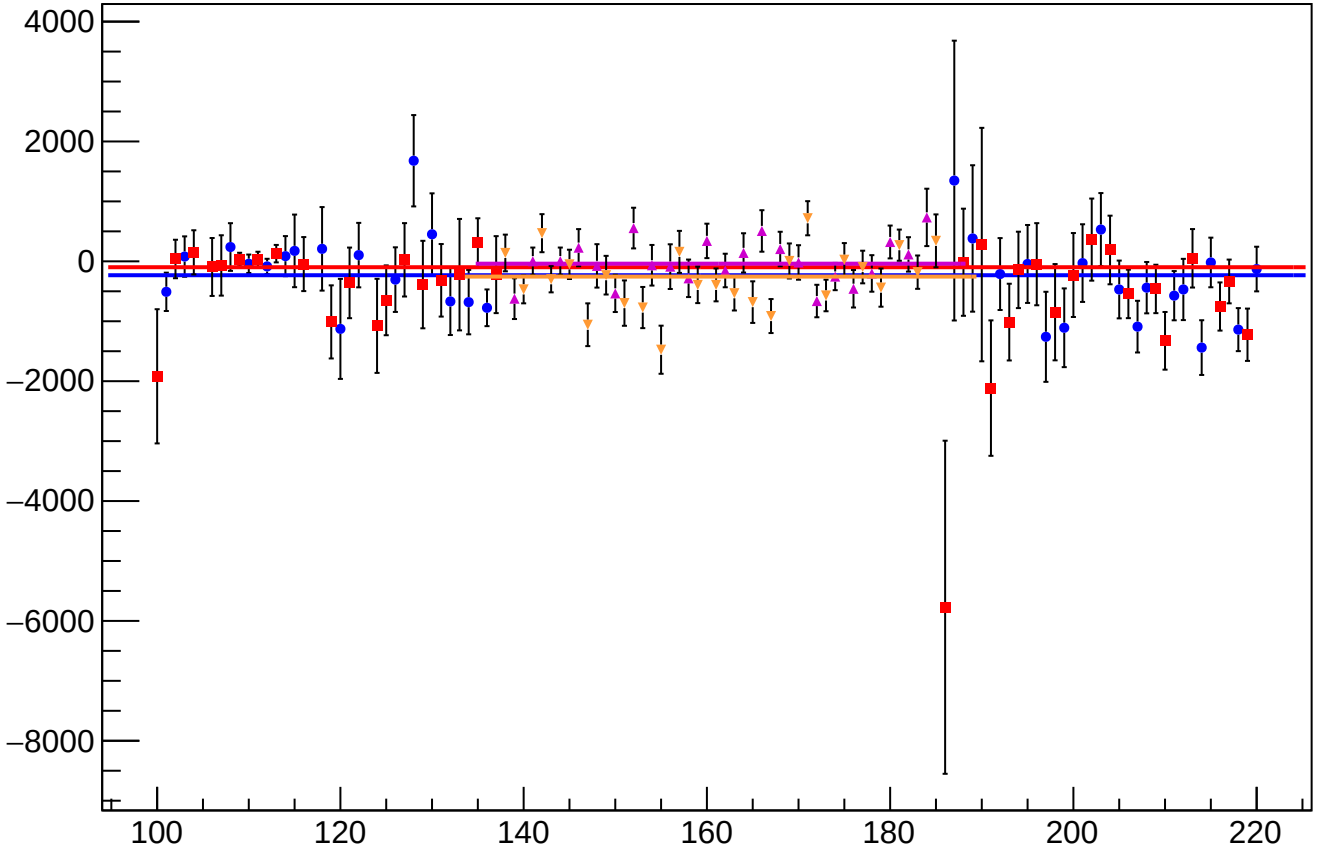
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 62.087+/-0.007 χ^2/NDF: 1204835.5/57

All: 62.430+/-0.005 χ^2/NDF: 2988472.8/117

- sign 62.789+/-0.007 χ^2/NDF: 1778683.0/59

asym_sam8_cor_correction_mean vs Slug



Right In: -231.886+/-64.846 χ^2/NDF: 46.1/32

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -98.246+/-57.599 χ^2/NDF: 43.7/36

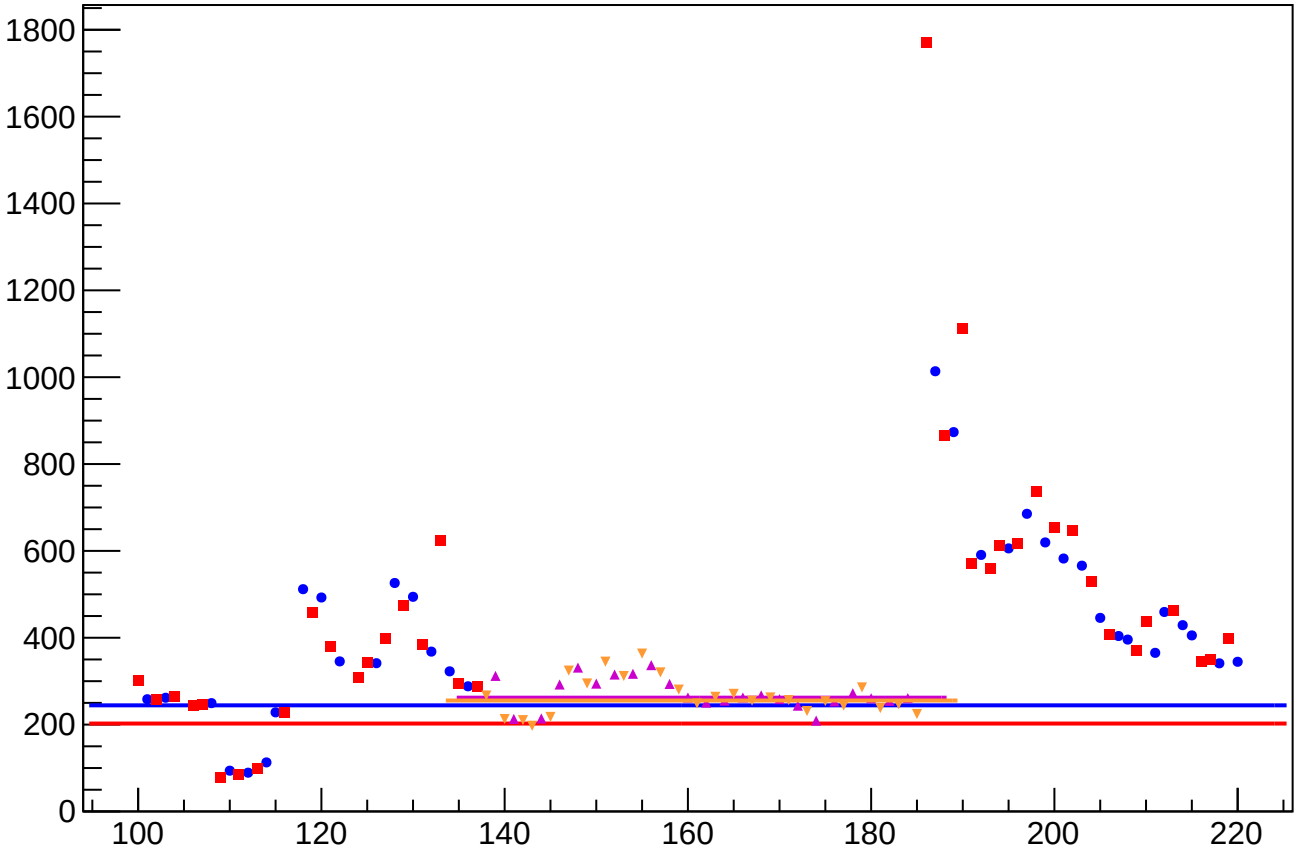
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -244.350+/-43.590 χ^2/NDF: 103.8/57

All: -154.691+/-30.305 χ^2/NDF: 184.5/117

- sign -70.811+/-42.162 χ^2/NDF: 72.5/59

asym_sam8_cor_correction_rms vs Slug



Right In: 244.367+/-0.046 χ^2/NDF: 13330314.6/32

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 202.422+/-0.041 χ^2/NDF: 17747219.0/36

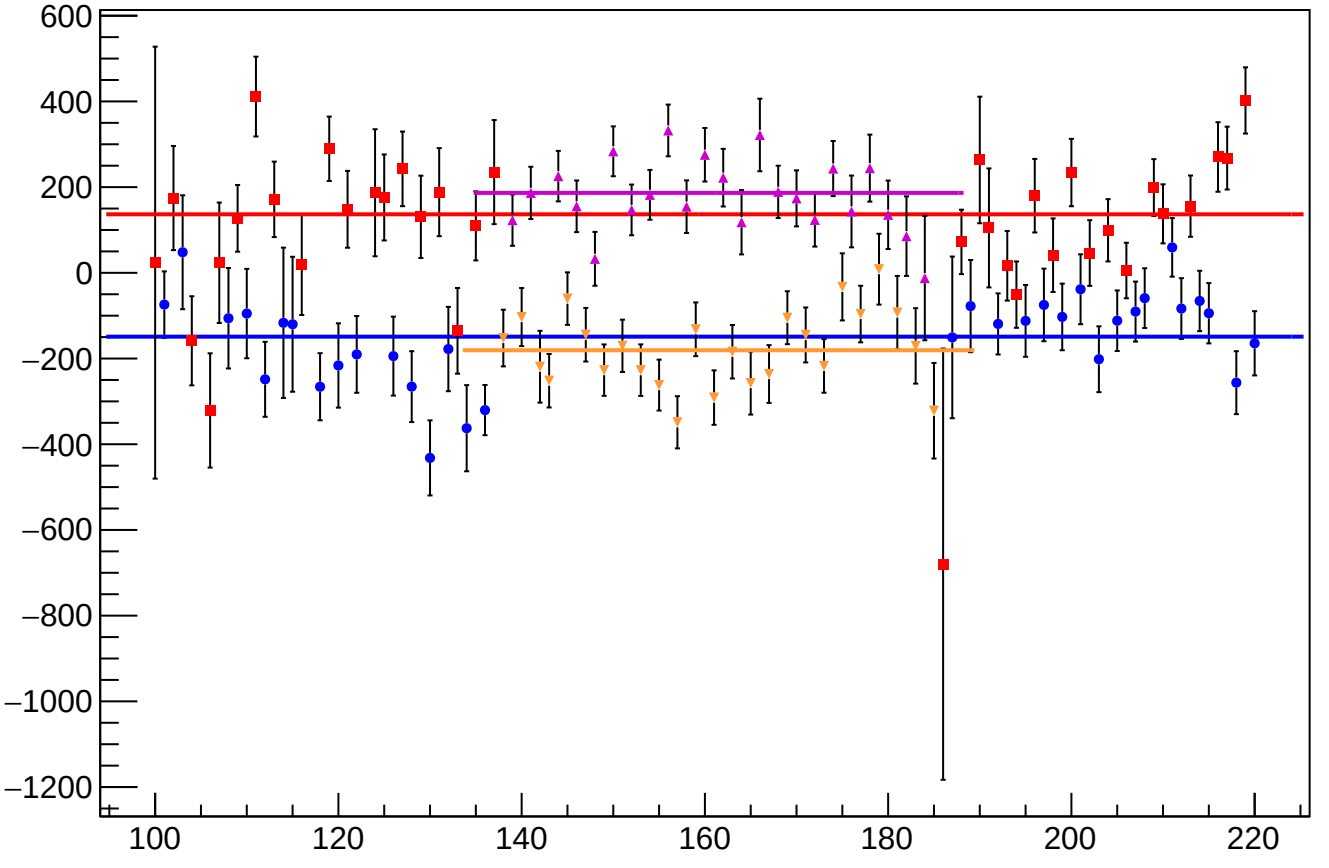
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 250.452+/-0.031 χ^2/NDF: 14226319.3/57

All: 239.927+/-0.021 χ^2/NDF: 33863331.2/11

- sign 230.081+/-0.030 χ^2/NDF: 19411323.6/59

eigen_cor_asym_sam8_mean vs Slug



Right In: -148.954+/-14.525 χ^2/NDF: 54.8/32

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 136.577+/-14.706 χ^2/NDF: 84.6/36

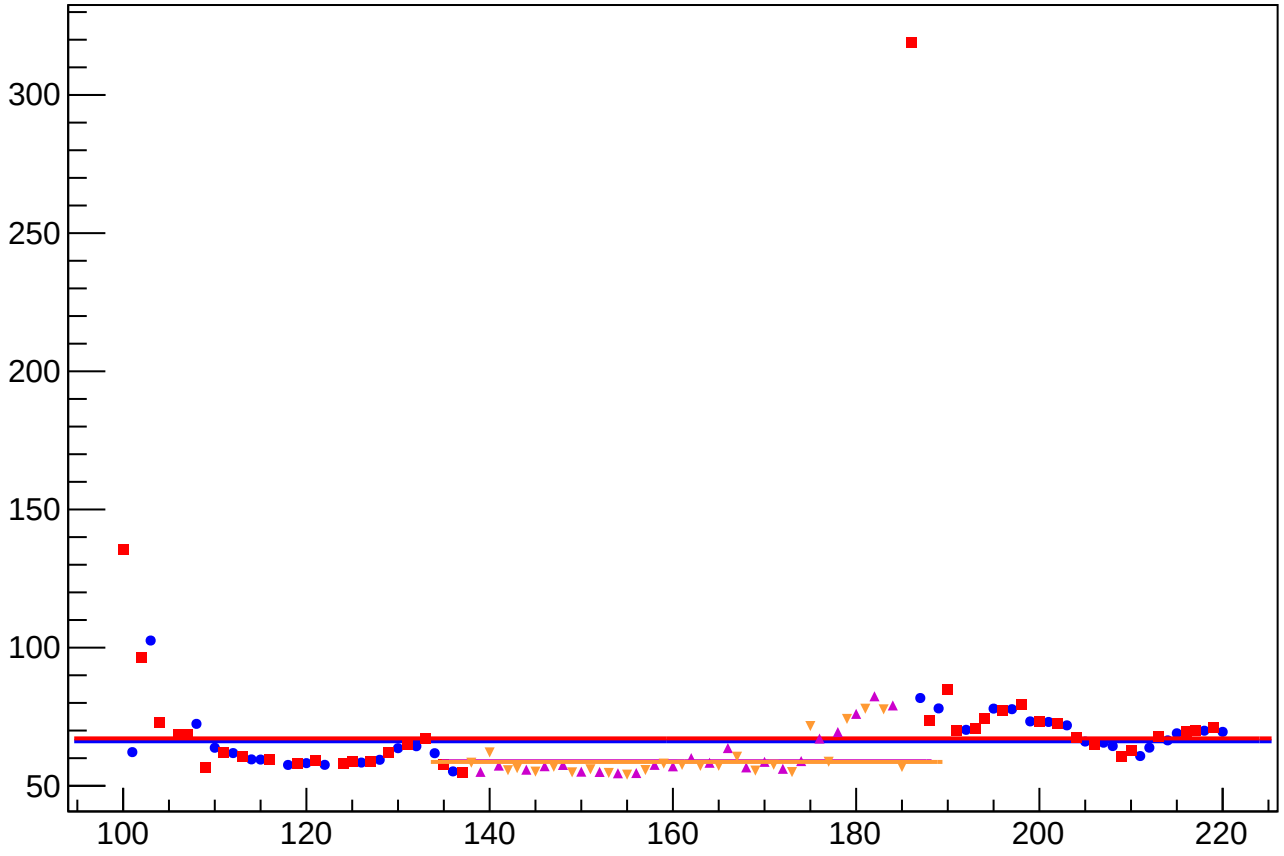
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -166.071+/-9.856 χ^2/NDF: 96.0/57

All: -5.303+/-7.049 χ^2/NDF: 760.4/117

- sign 163.052+/-10.086 χ^2/NDF: 119.7/59

eigen_cor_asym_sam8_rms vs Slug



Right In: 66.121+/-0.010 χ^2/NDF: 525037.0/32

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.159+/-0.010 χ^2/NDF: 1058249.9/36

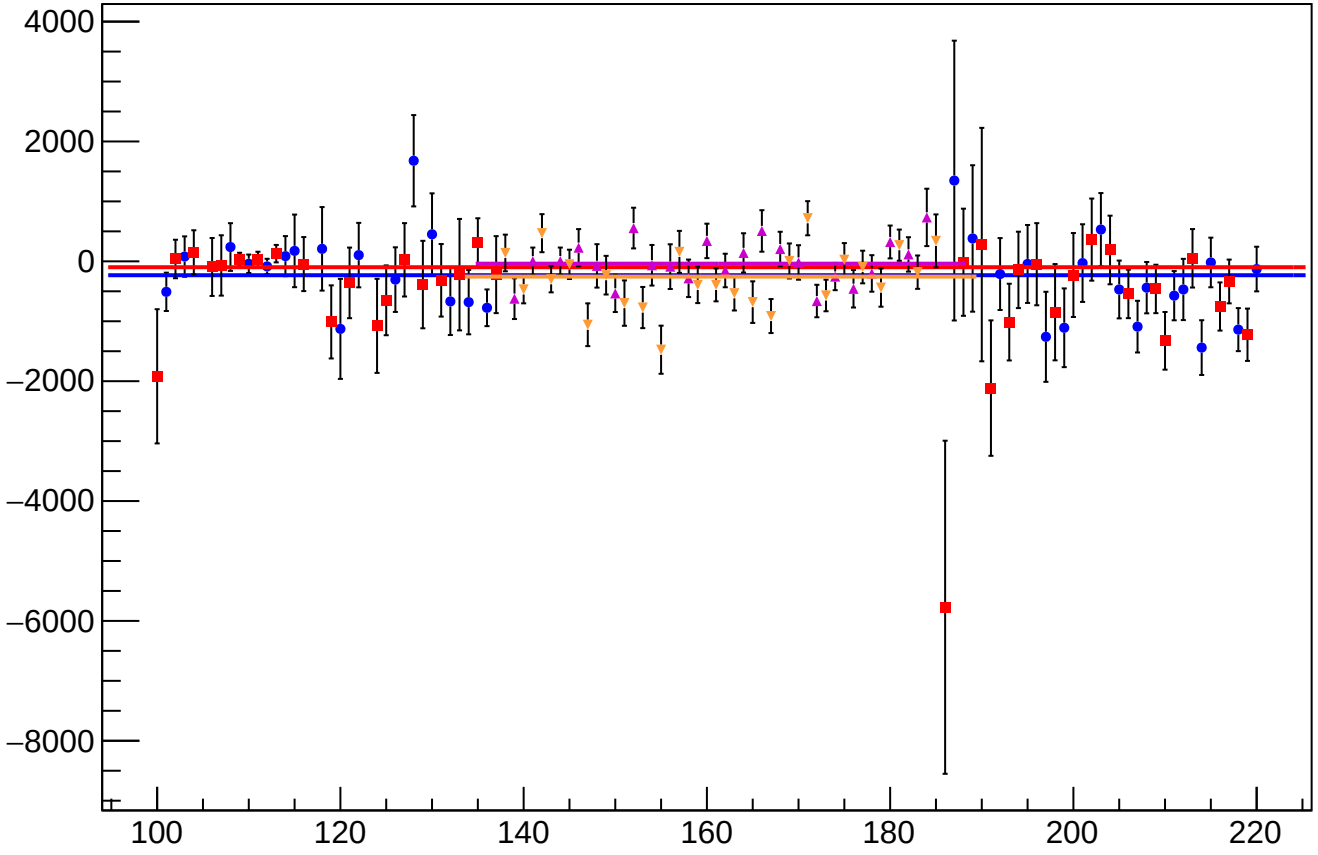
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 62.087+/-0.007 χ^2/NDF: 1204835.5/57

All: 62.430+/-0.005 χ^2/NDF: 2988472.8/117

- sign 62.789+/-0.007 χ^2/NDF: 1778683.0/59

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -231.886+/-64.846 χ^2/NDF: 46.1/32

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -98.246+/-57.599 χ^2/NDF: 43.7/36

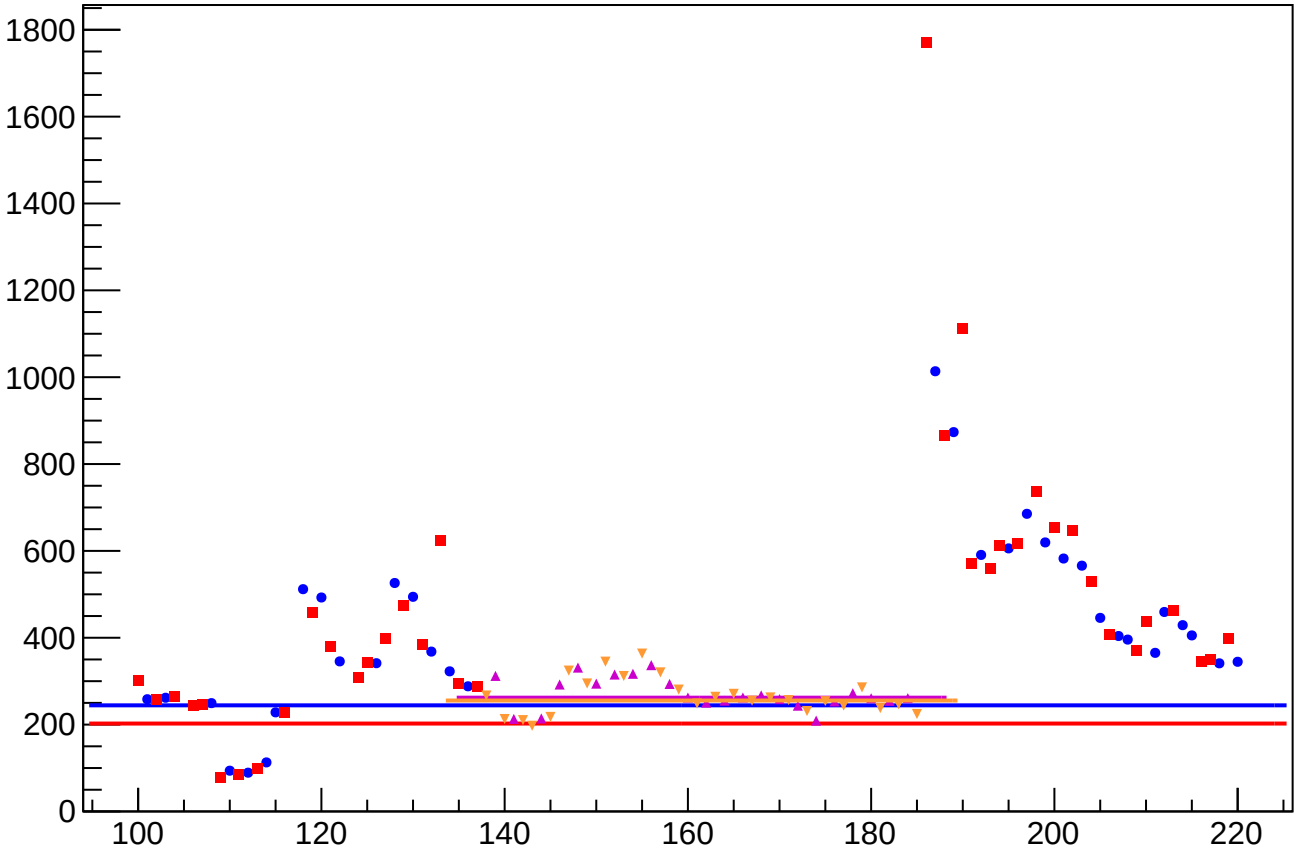
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -244.350+/-43.590 χ^2/NDF: 103.8/57

All: -154.691+/-30.305 χ^2/NDF: 184.5/117

- sign -70.811+/-42.162 χ^2/NDF: 72.5/59

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 244.367+/-0.046 χ^2/NDF: 13330314.6/32

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 202.422+/-0.041 χ^2/NDF: 17747219.0/36

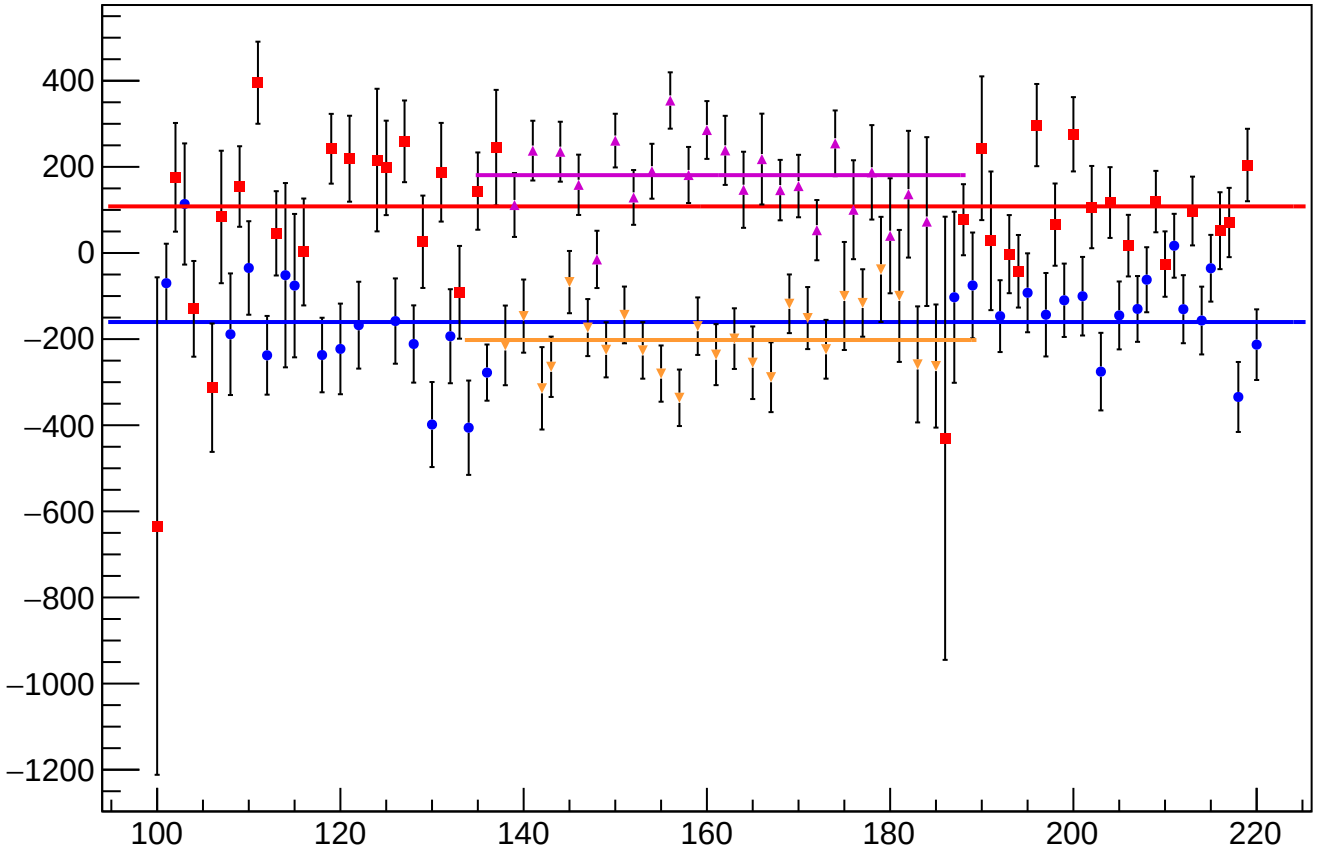
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 250.452+/-0.031 χ^2/NDF: 14226319.3/57

All: 239.927+/-0.021 χ^2/NDF: 33863331.2/11

- sign 230.081+/-0.030 χ^2/NDF: 19411323.6/59

dit_asym_sam8_mean vs Slug



Right In: -160.318+/-16.108 χ^2/NDF: 41.9/32

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 108.222+/-16.261 χ^2/NDF: 59.7/36

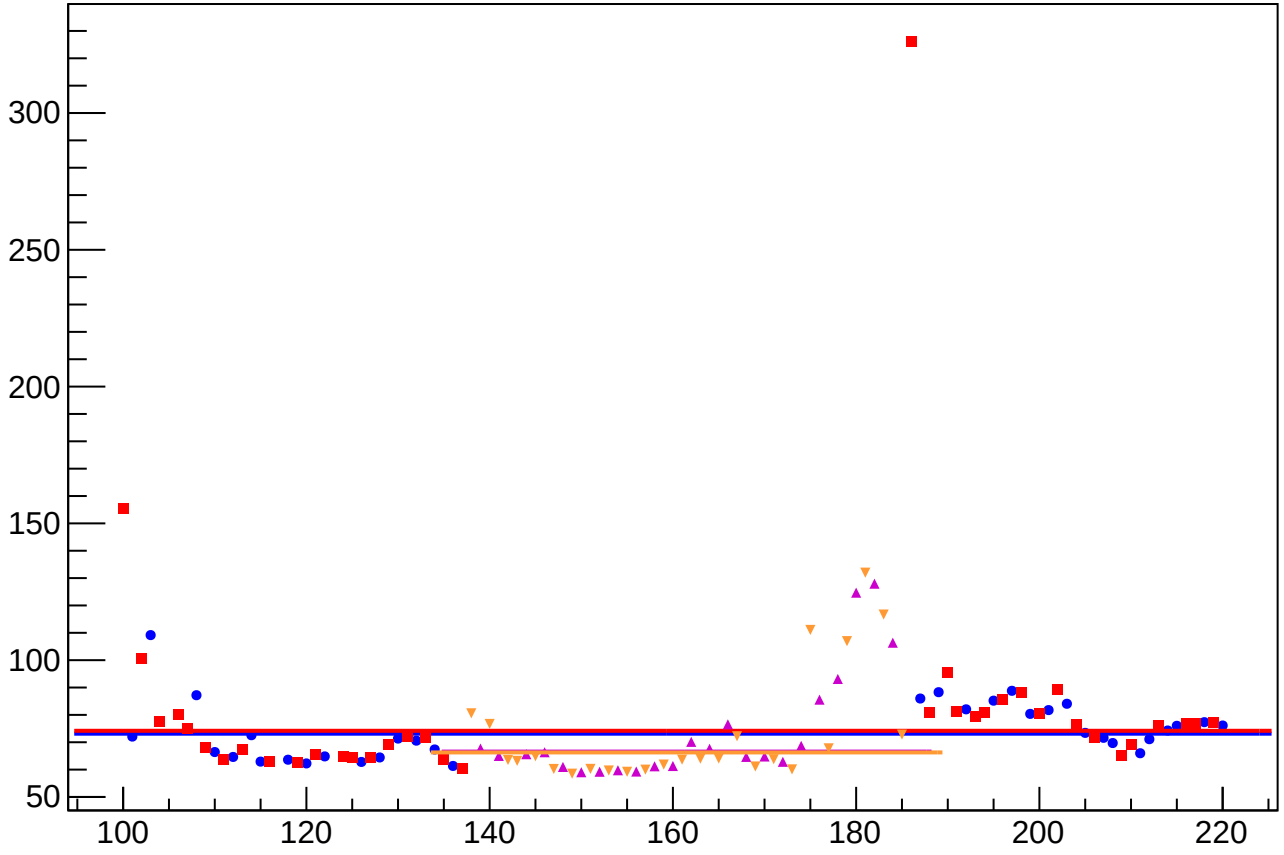
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -181.956+/-11.183 χ^2/NDF: 66.9/57

All: -21.762+/-7.987 χ^2/NDF: 585.7/117

- sign 145.046+/-11.412 χ^2/NDF: 99.9/59

dit_asym_sam8_rms vs Slug



Right In: 73.128+/-0.011 χ^2/NDF: 602261.1/32

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.188+/-0.011 χ^2/NDF: 1076463.1/36

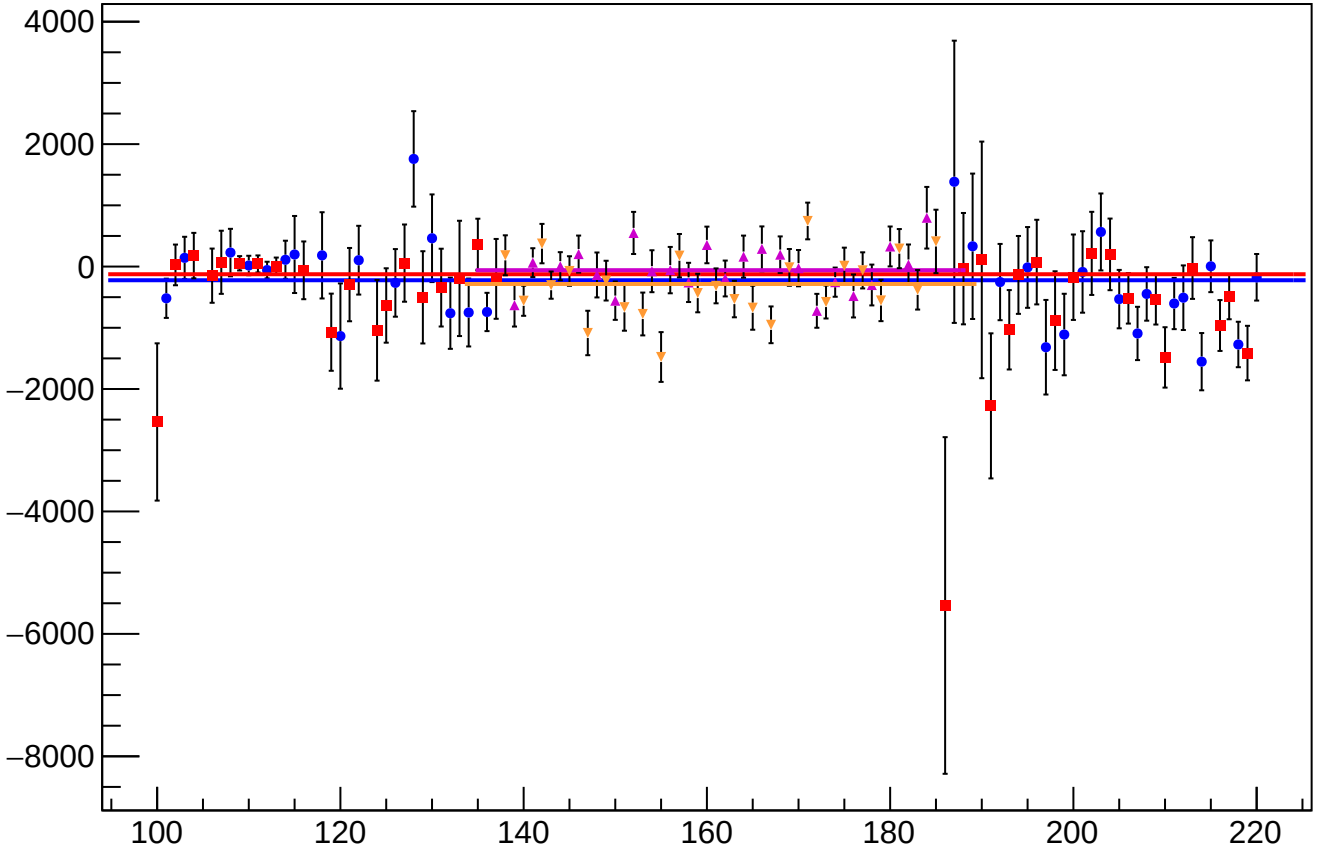
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 69.580+/-0.008 χ^2/NDF: 2183439.1/57

All: 69.947+/-0.006 χ^2/NDF: 4644413.6/117

- sign 70.330+/-0.008 χ^2/NDF: 2456572.4/59

asym_sam8_dit_correction_mean vs Slug



Right In: -223.493+/-66.726 χ^2/NDF: 50.8/32

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -125.365+/-59.100 χ^2/NDF: 49.0/36

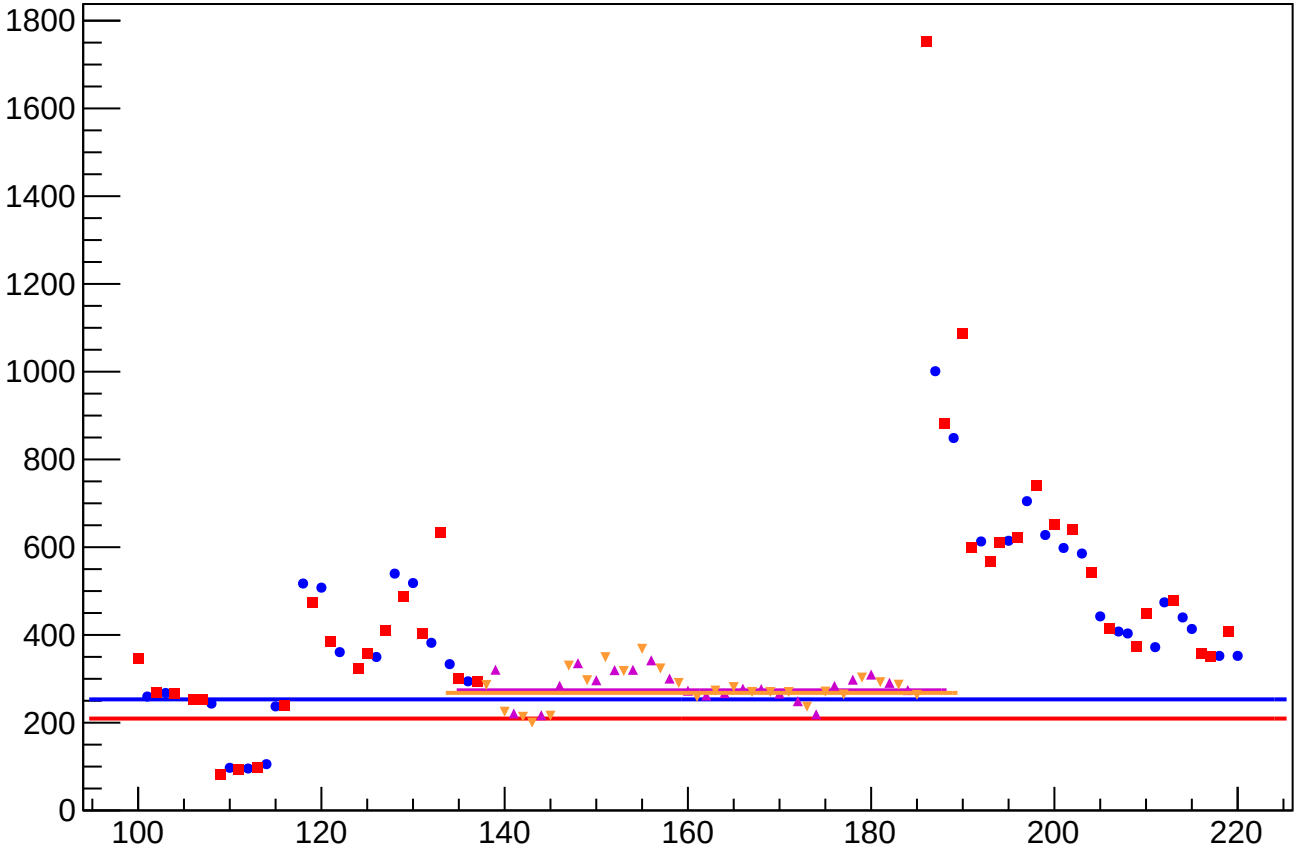
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -256.340+/-45.312 χ^2/NDF: 105.9/57

All: -172.708+/-31.424 χ^2/NDF: 188.8/117

- sign -95.219+/-43.616 χ^2/NDF: 76.4/59

asym_sam8_dit_correction_rms vs Slug



Right In: 253.157+/-0.047 χ^2/NDF: 12996906.7/32

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

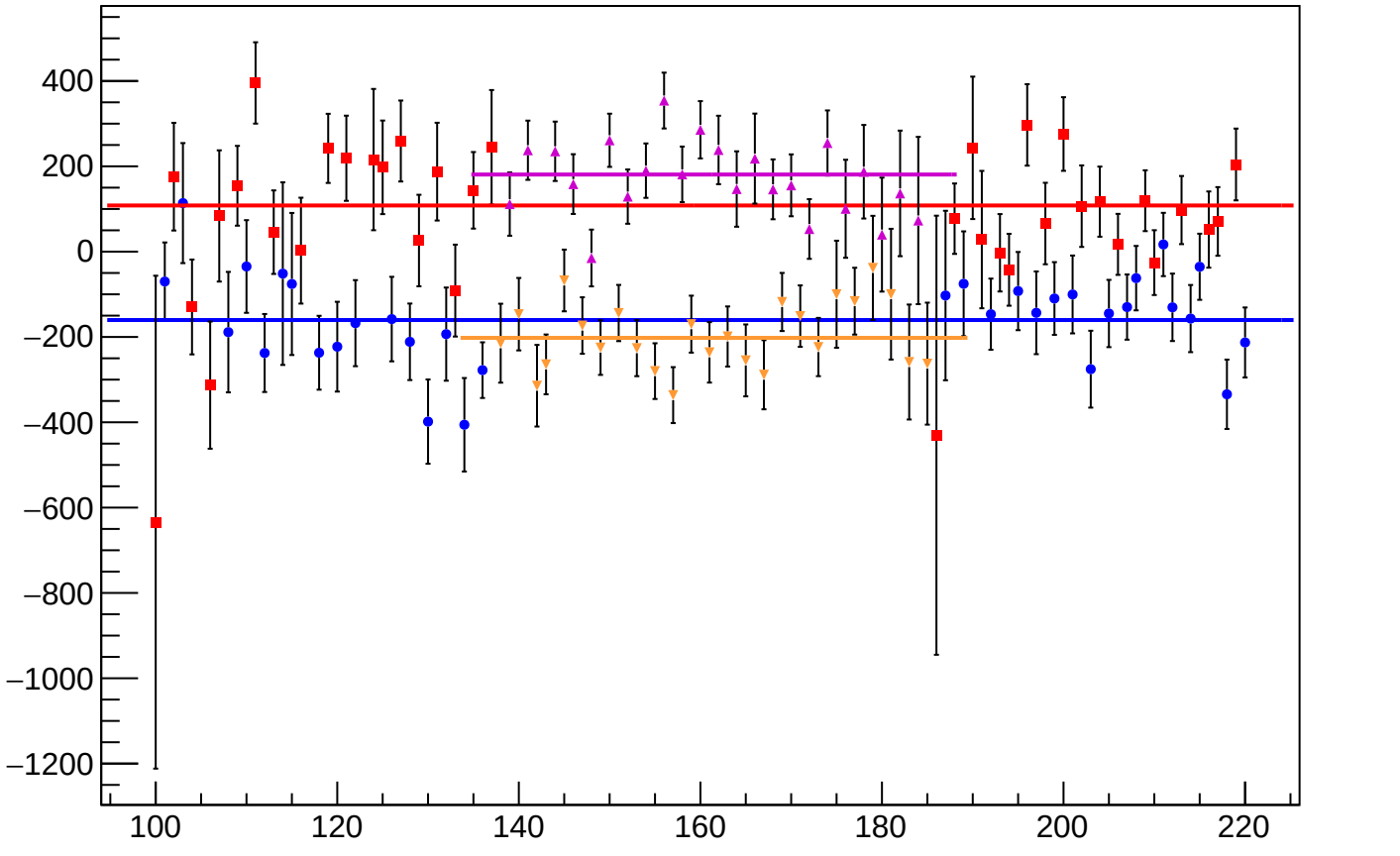
Right Out: 209.422+/-0.042 χ^2/NDF: 17478008.5/36

Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 261.148+/-0.032 χ^2/NDF: 13912915.3/57

All: 249.503+/-0.022 χ^2/NDF: 33374635.7/11

- sign 238.714+/-0.031 χ^2/NDF: 19207263.7/59



Right In: -160.317+/-16.108 χ^2/NDF: 41.9/32

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 108.223+/-16.261 χ^2/NDF: 59.7/36

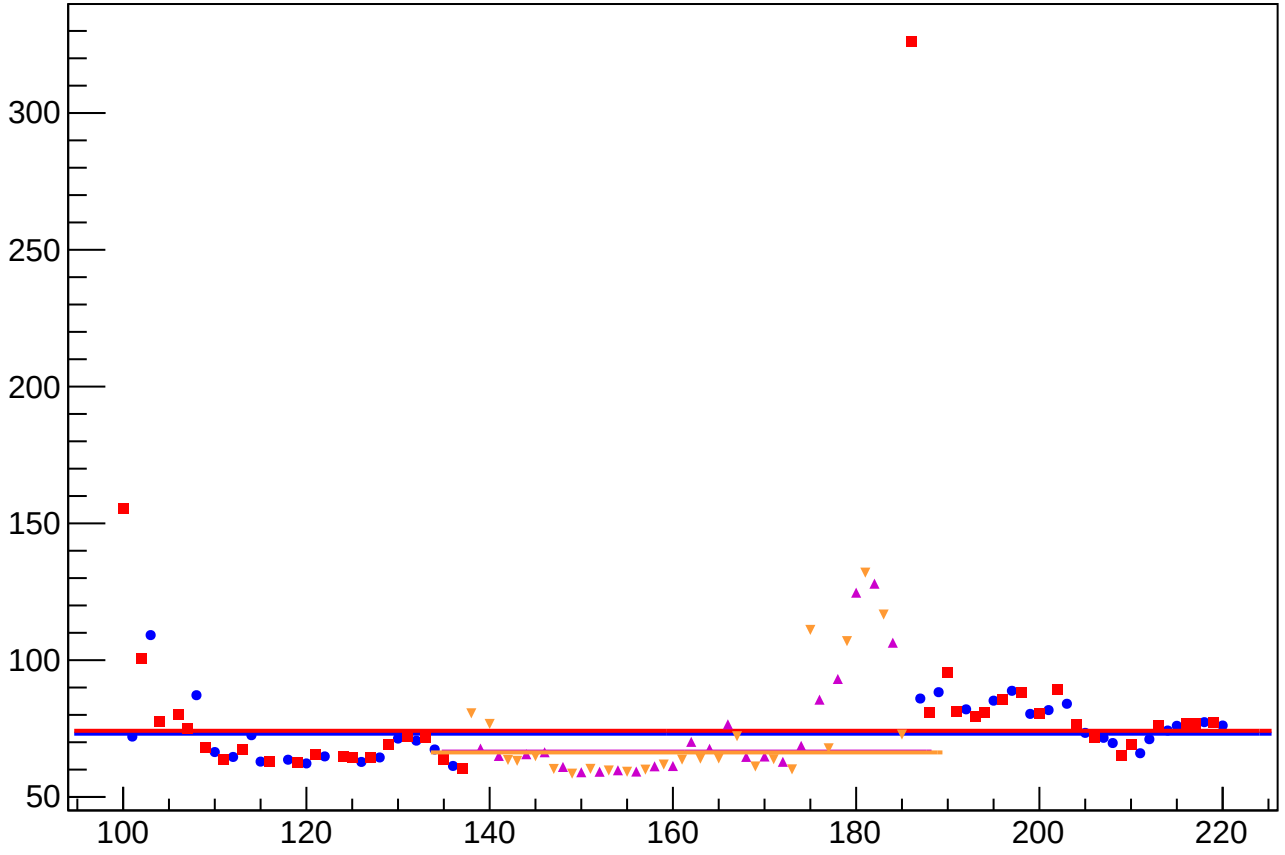
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -181.956+/-11.183 χ^2/NDF: 66.9/57

All: -21.761+/-7.987 χ^2/NDF: 585.7/117

- sign 145.047+/-11.412 χ^2/NDF: 99.9/59

eigen_dit_asym_sam8_rms vs Slug



Right In: 73.128+/-0.011 χ^2/NDF: 602265.3/32

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.188+/-0.011 χ^2/NDF: 1076468.0/36

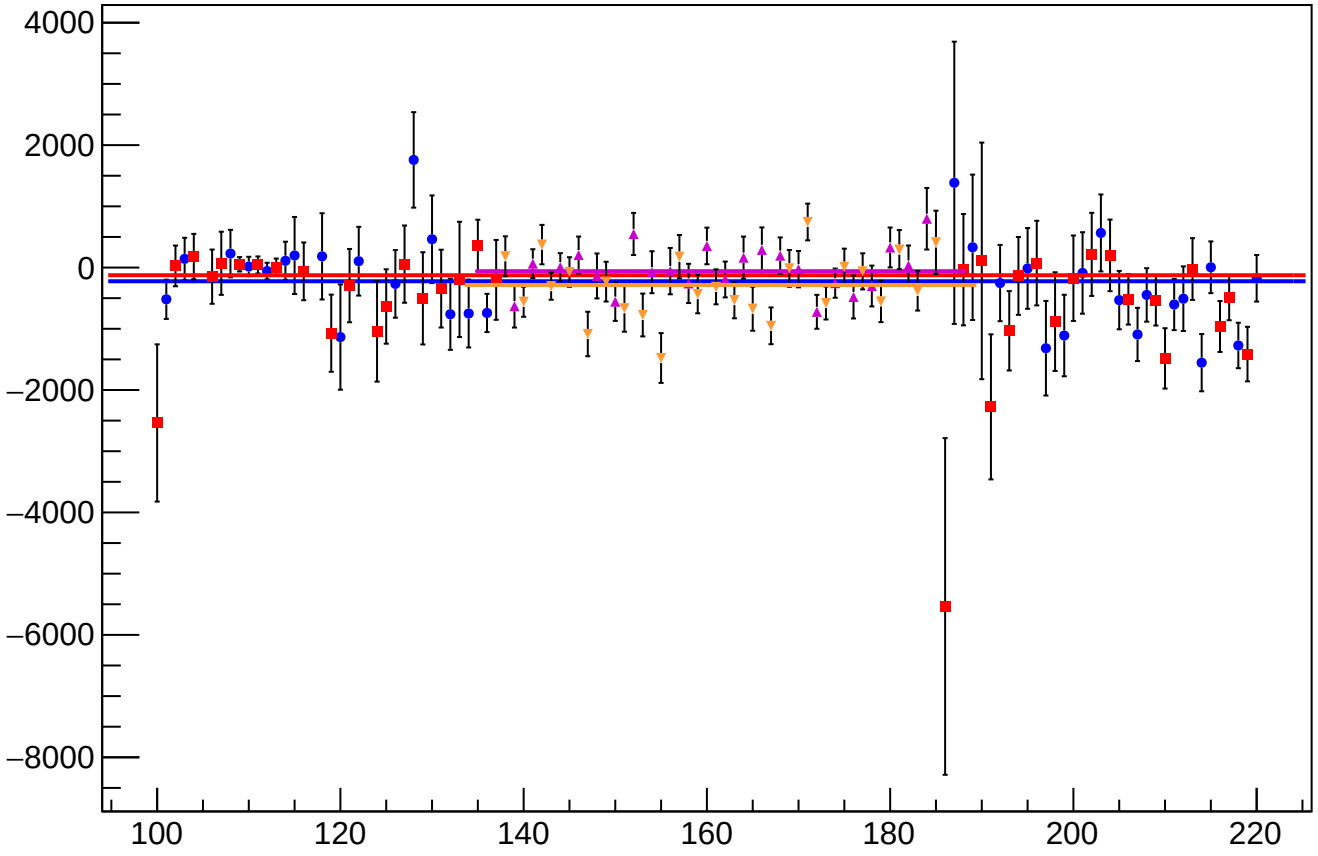
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 69.580+/-0.008 χ^2/NDF: 2183437.0/57

All: 69.947+/-0.006 χ^2/NDF: 4644398.4/117

- sign 70.330+/-0.008 χ^2/NDF: 2456559.3/59

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -223.490+/-66.725 χ^2/NDF: 50.8/32

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -125.363+/-59.100 χ^2/NDF: 49.0/36

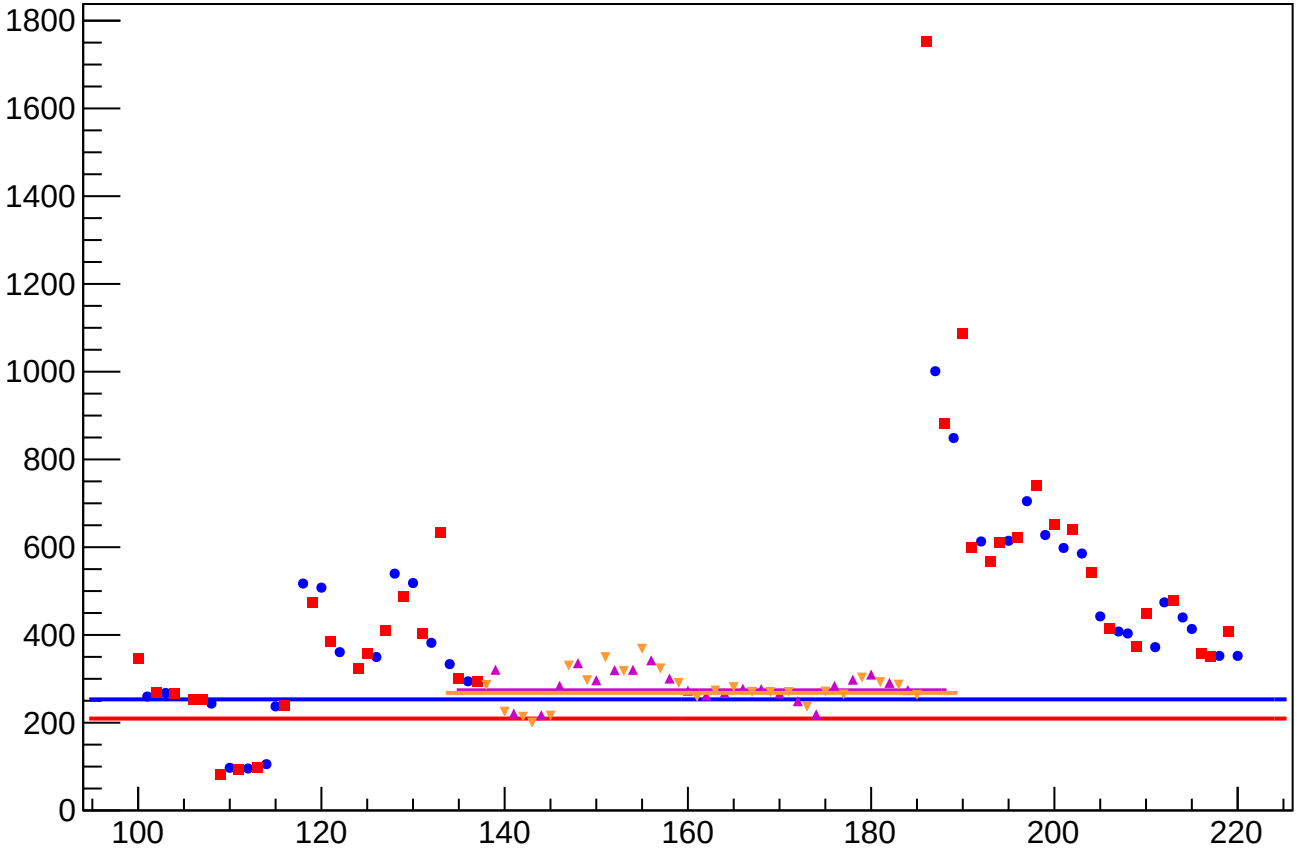
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -256.338+/-45.312 χ^2/NDF: 105.9/57

All: -172.707+/-31.424 χ^2/NDF: 188.8/117

- sign -95.218+/-43.616 χ^2/NDF: 76.4/59

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 253.156+/-0.047 χ^2/NDF: 12997004.3/32

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 209.421+/-0.042 χ^2/NDF: 17478005.9/36

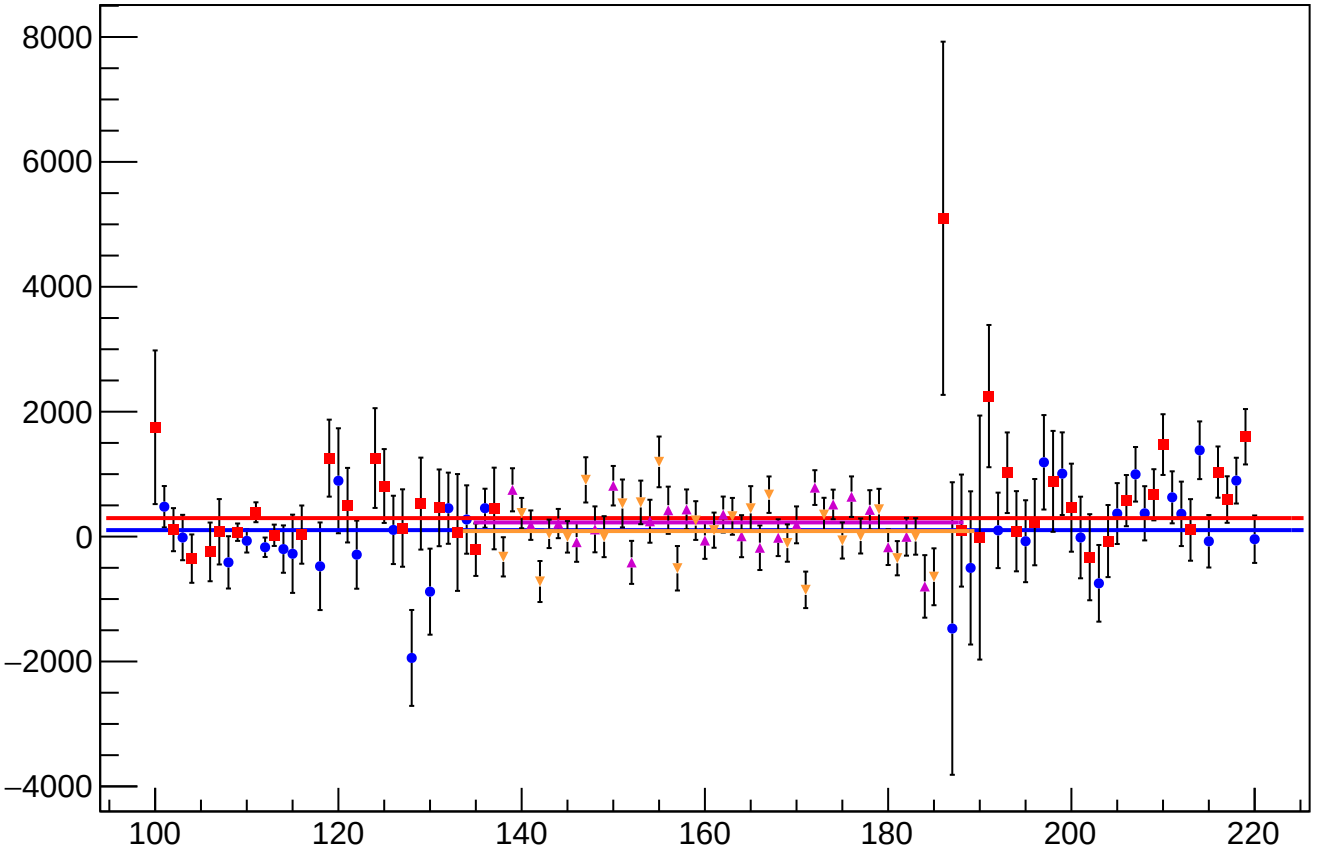
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 261.146+/-0.032 χ^2/NDF: 13913028.9/57

All: 249.502+/-0.022 χ^2/NDF: 33374730.3/11

- sign 238.713+/-0.031 χ^2/NDF: 19207257.6/59

asym_sam8_mean vs Slug



Right In: 103.700+/-71.360 χ^2/NDF: 46.9/32

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 295.941+/-65.072 χ^2/NDF: 47.3/36

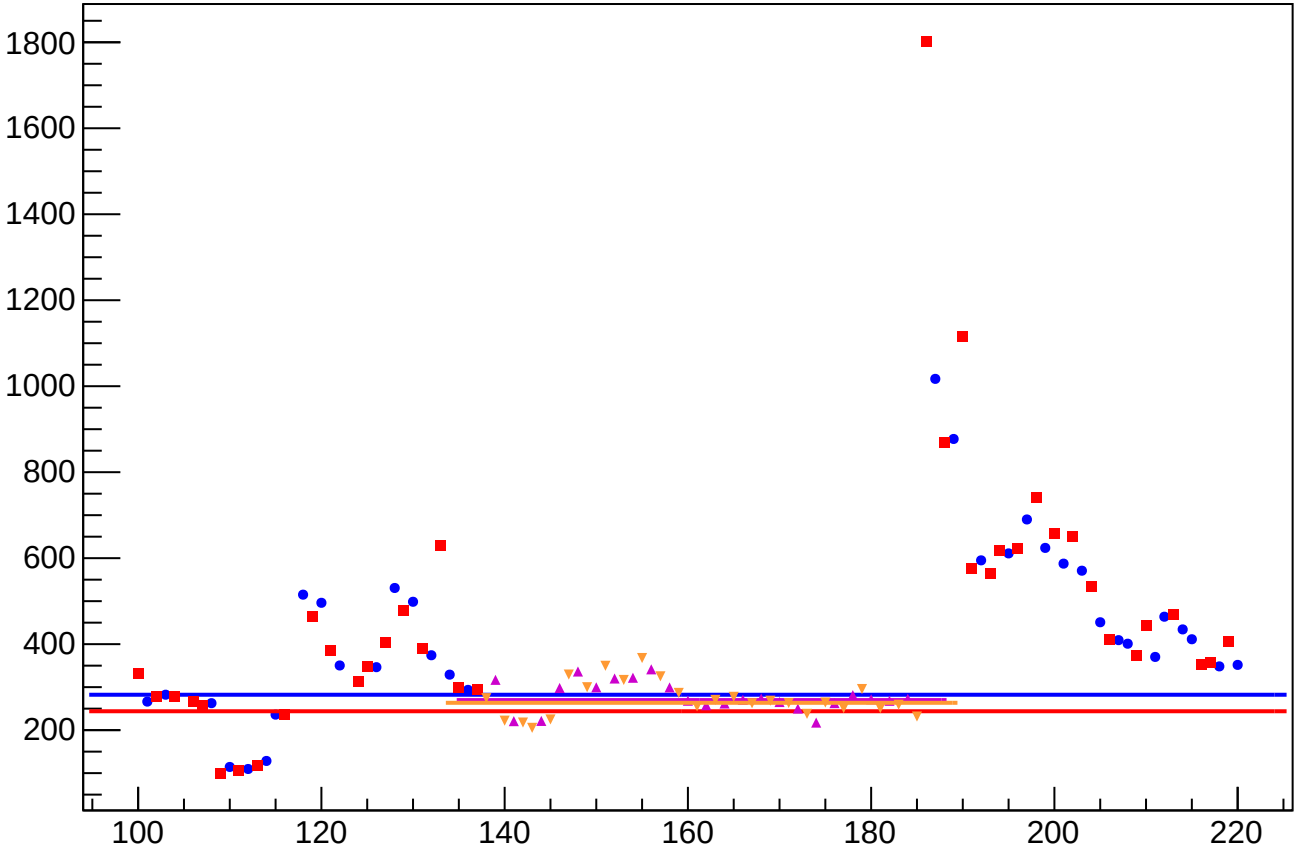
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

\+ sign 94.817+/-46.221 χ^2/NDF: 99.1/57

All: 179.018+/-32.429 χ^2/NDF: 182.4/117

\- sign 260.656+/-45.512 χ^2/NDF: 76.7/59

asym_sam8_rms vs Slug



Right In: 282.322+/-0.050 χ^2/NDF: 10439267.8/32

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 243.925+/-0.046 χ^2/NDF: 14530132.1/36

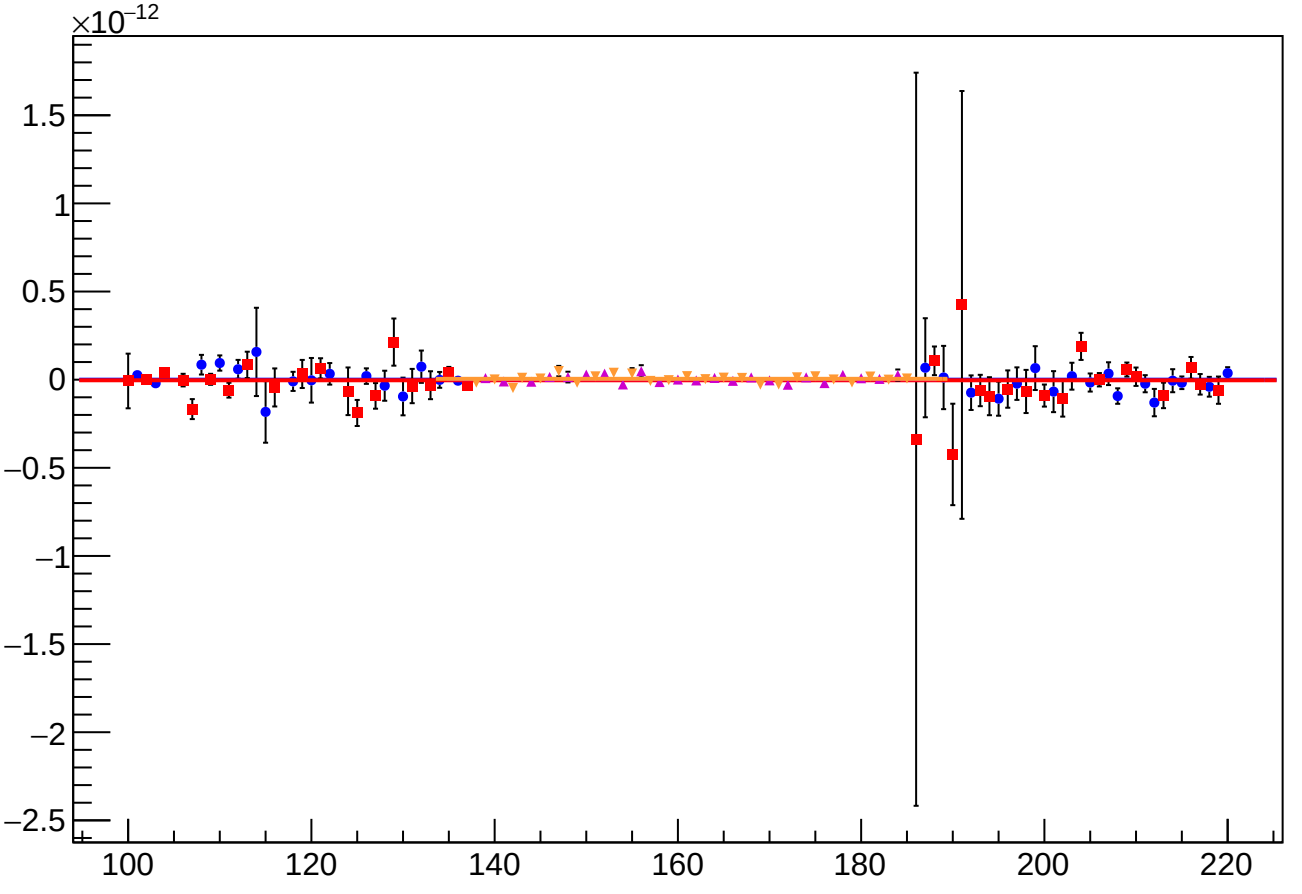
Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 271.450+/-0.033 χ^2/NDF: 11299096.1/57

All: 264.211+/-0.023 χ^2/NDF: 26690866.9/11

- sign 257.193+/-0.032 χ^2/NDF: 15295144.0/59

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 26.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

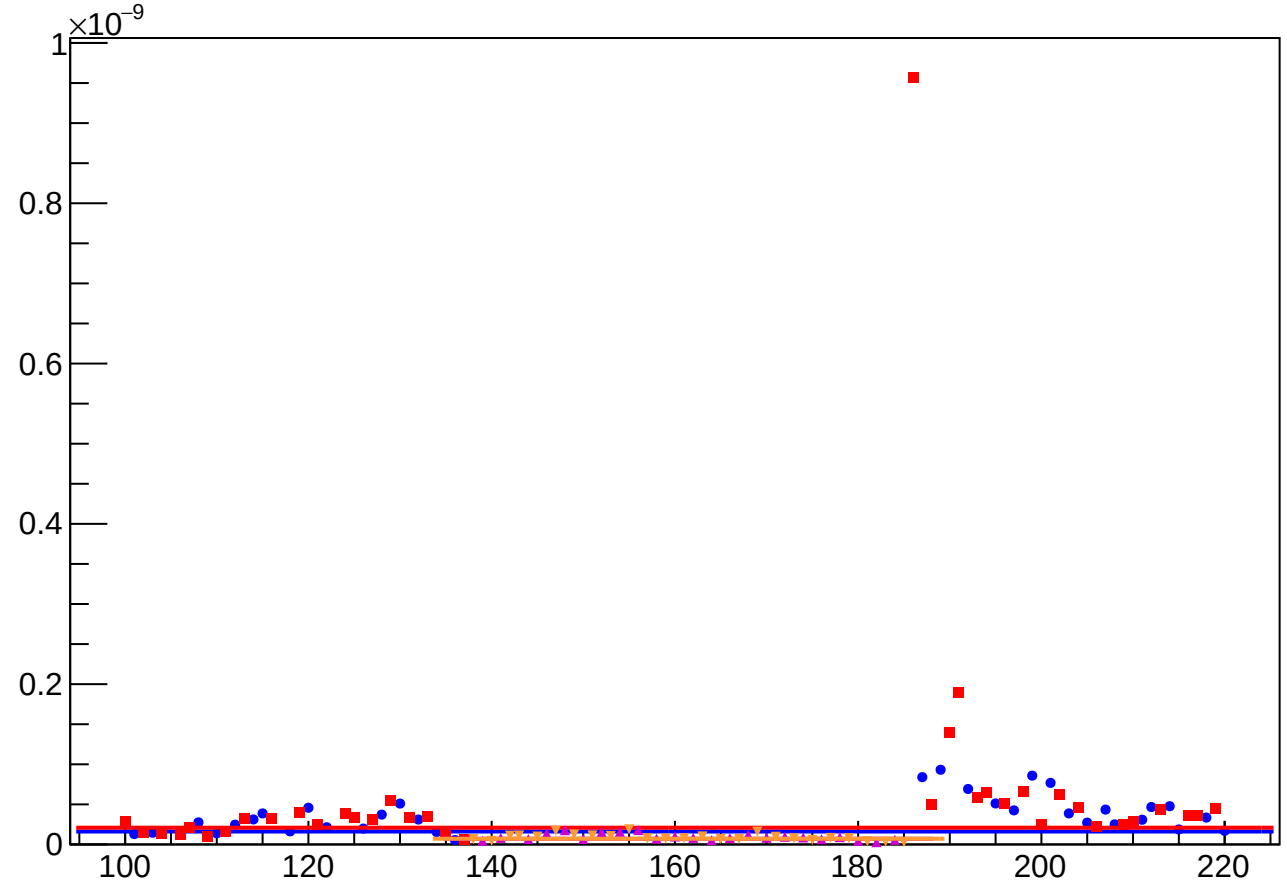
Right Out: -0.000+/-0.000 χ^2/NDF: 51.4/36

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.1/57

All: 0.000+/-0.000 χ^2/NDF: 128.7/117

- sign 0.000+/-0.000 χ^2/NDF: 73.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 7019212.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5411593.4/36

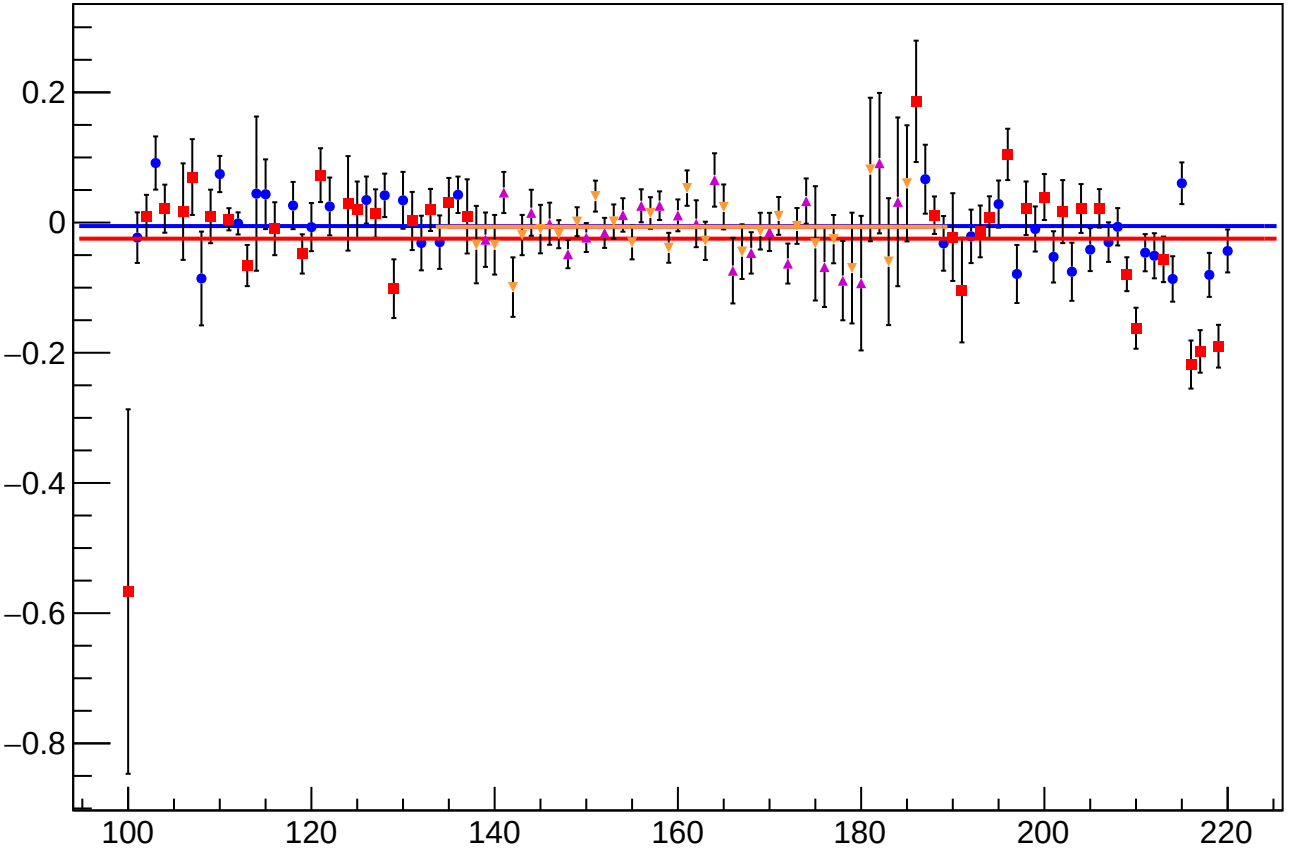
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11626079.2/57

All: 0.000+/-0.000 χ^2/NDF: 23585828.9/117

- sign 0.000+/-0.000 χ^2/NDF: 11954476.7/59

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.006 χ^2/NDF: 56.8/32

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.025+/-0.006 χ^2/NDF: 165.3/36

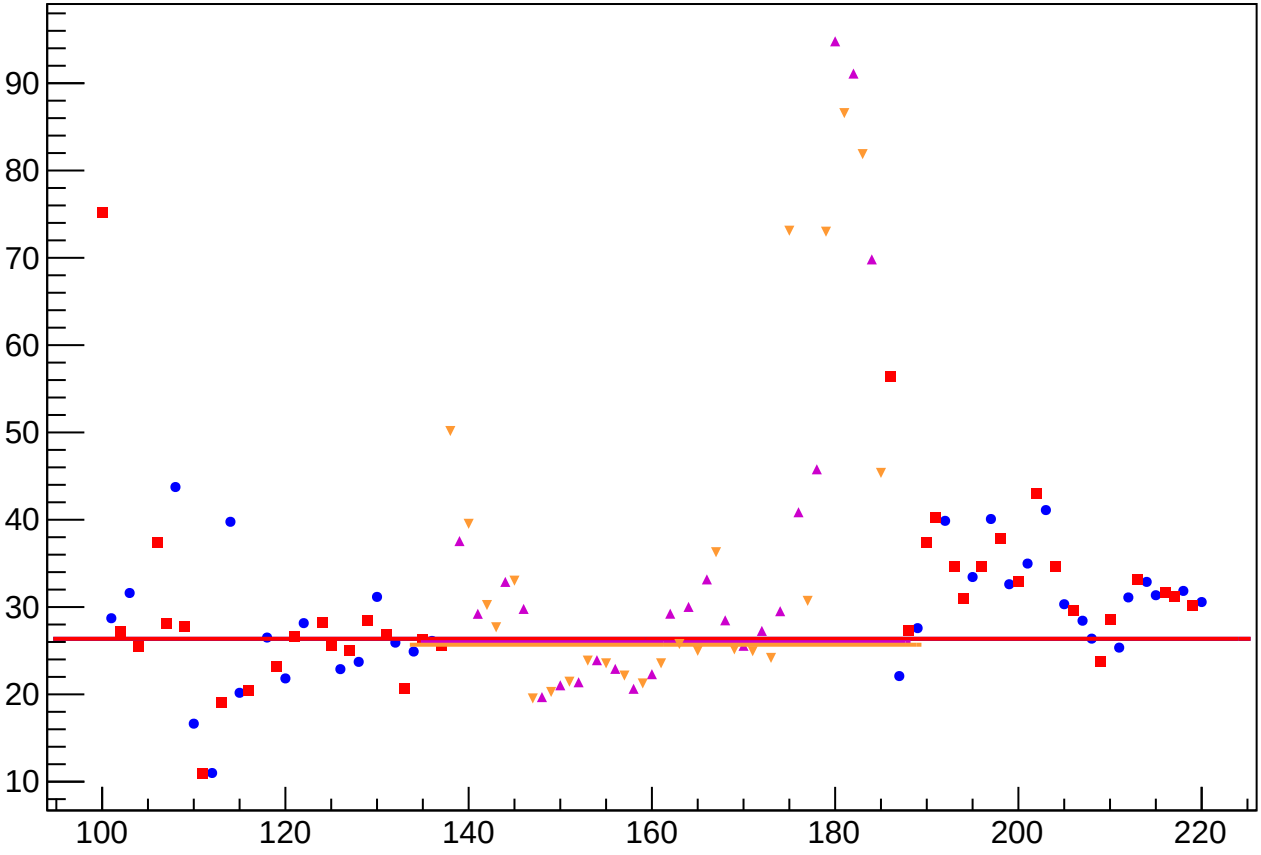
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.006+/-0.004 χ^2/NDF: 79.4/57

All: -0.011+/-0.003 χ^2/NDF: 280.1/117

- sign -0.016+/-0.004 χ^2/NDF: 197.9/59

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 26.360+/-0.004 χ^2/NDF: 3339404.1/32

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

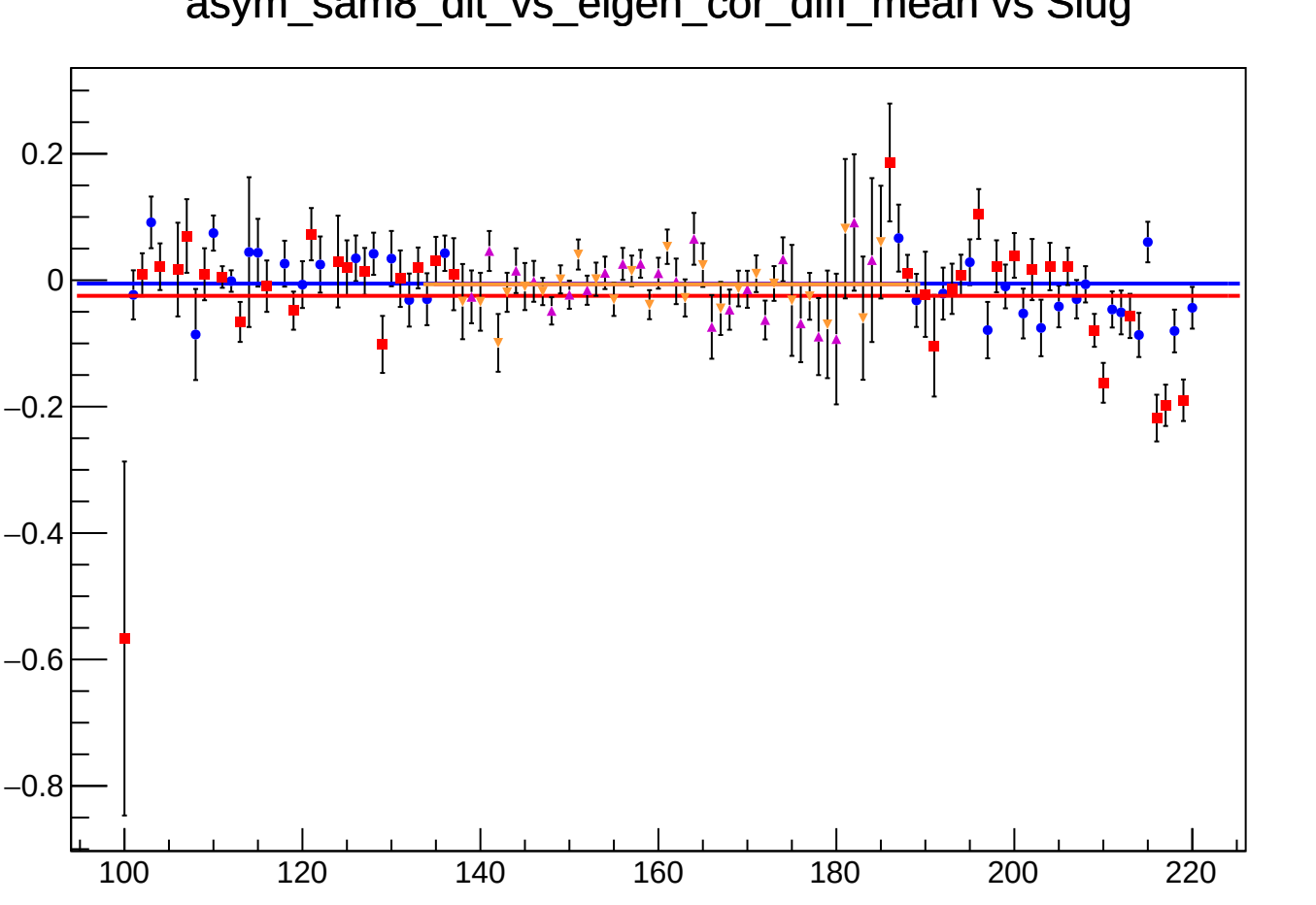
Right Out: 26.367+/-0.004 χ^2/NDF: 3335014.7/36

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 26.038+/-0.003 χ^2/NDF: 7222615.1/57

All: 26.112+/-0.002 χ^2/NDF: 13680957.6/117

- sign 26.187+/-0.003 χ^2/NDF: 6457224.3/59



Right In: -0.005+/-0.006 χ^2/NDF: 56.8/32

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.025+/-0.006 χ^2/NDF: 165.3/36

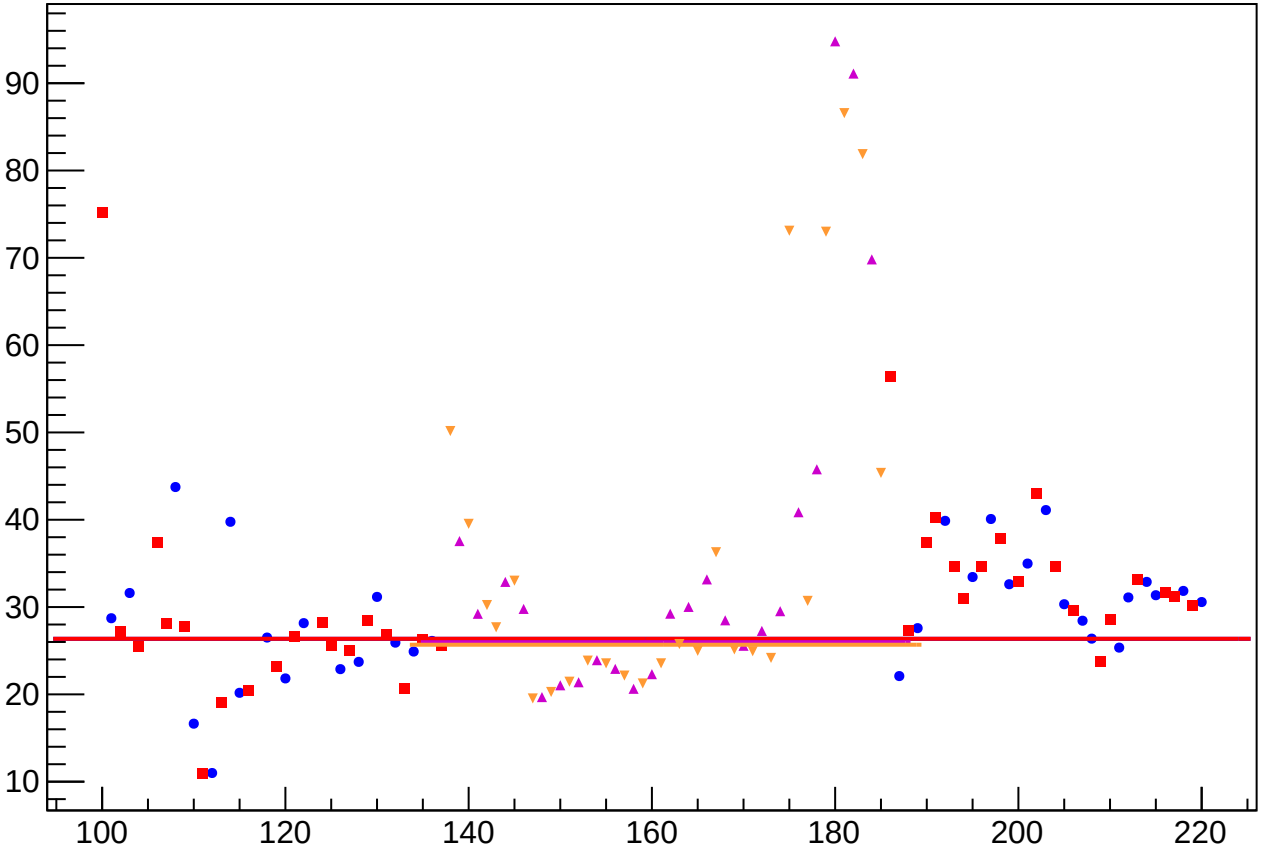
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.006+/-0.004 χ^2/NDF: 79.4/57

All: -0.011+/-0.003 χ^2/NDF: 280.1/117

- sign -0.016+/-0.004 χ^2/NDF: 197.9/59

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.360+/-0.004 χ^2/NDF: 3339404.1/32

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 26.367+/-0.004 χ^2/NDF: 3335014.7/36

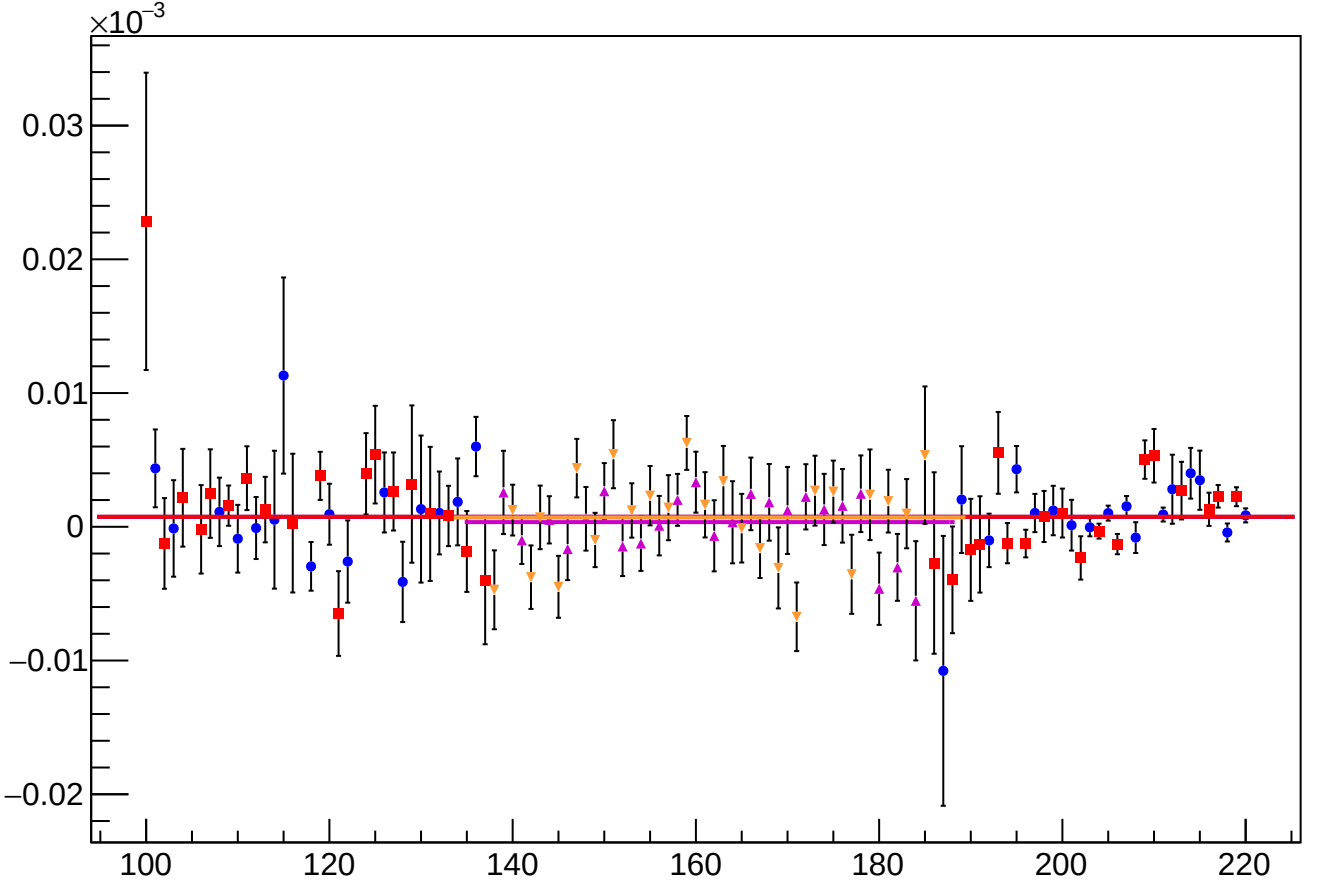
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 26.038+/-0.003 χ^2/NDF: 7222615.1/57

All: 26.112+/-0.002 χ^2/NDF: 13680957.6/117

- sign 26.187+/-0.003 χ^2/NDF: 6457224.3/59

asym_sam8_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 37.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 67.6/36

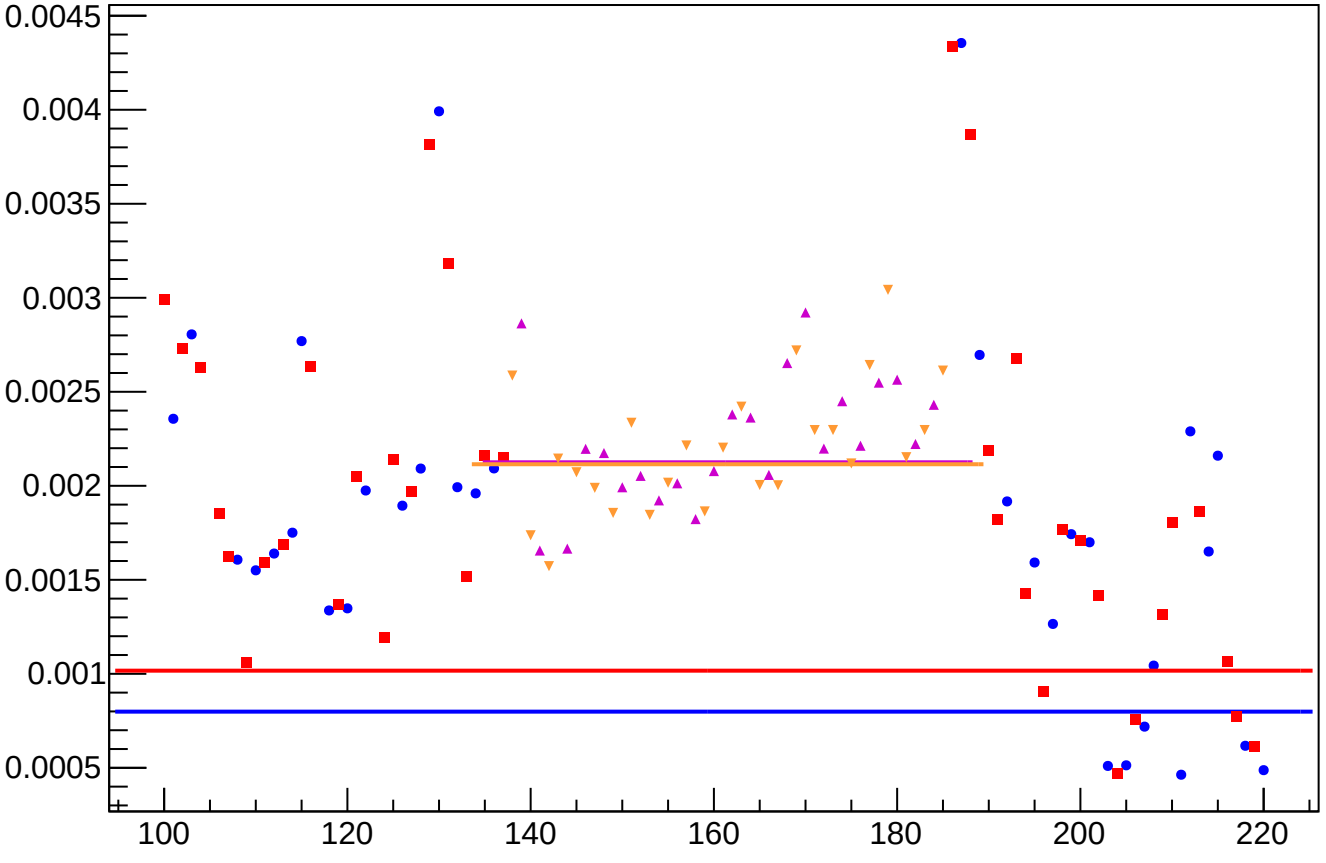
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 82.0/57

All: 0.000+/-0.000 χ^2/NDF: 166.5/117

- sign 0.000+/-0.000 χ^2/NDF: 84.4/59

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 12600228.0/32

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

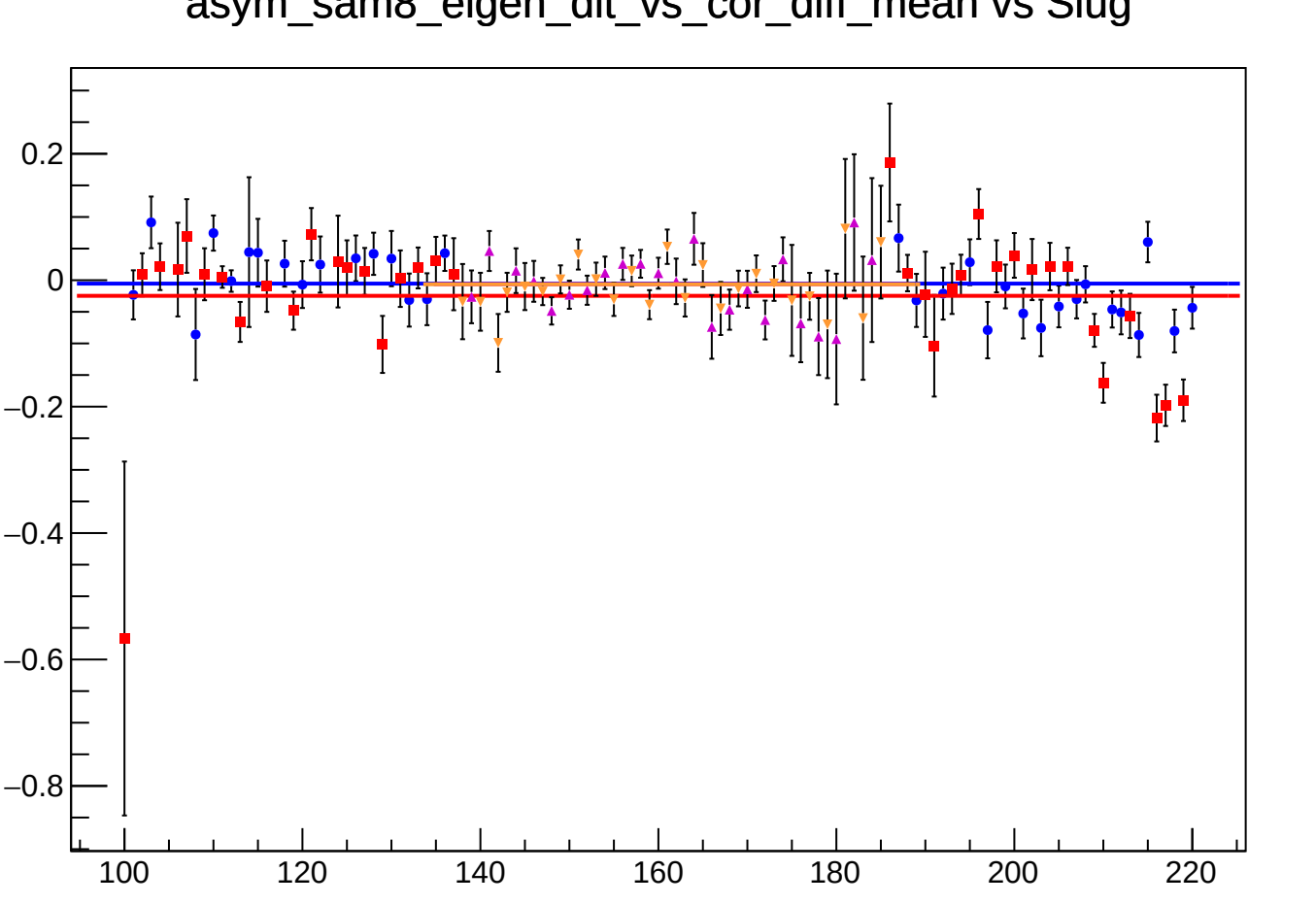
Right Out: 0.001+/-0.000 χ^2/NDF: 10578074.4/36

Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 25593427.8/57

All: 0.001+/-0.000 χ^2/NDF: 45878201.3/117

- sign 0.001+/-0.000 χ^2/NDF: 19078078.4/59



Right In: -0.005+/-0.006 χ^2/NDF: 56.8/32

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: -0.025+/-0.006 χ^2/NDF: 165.3/36

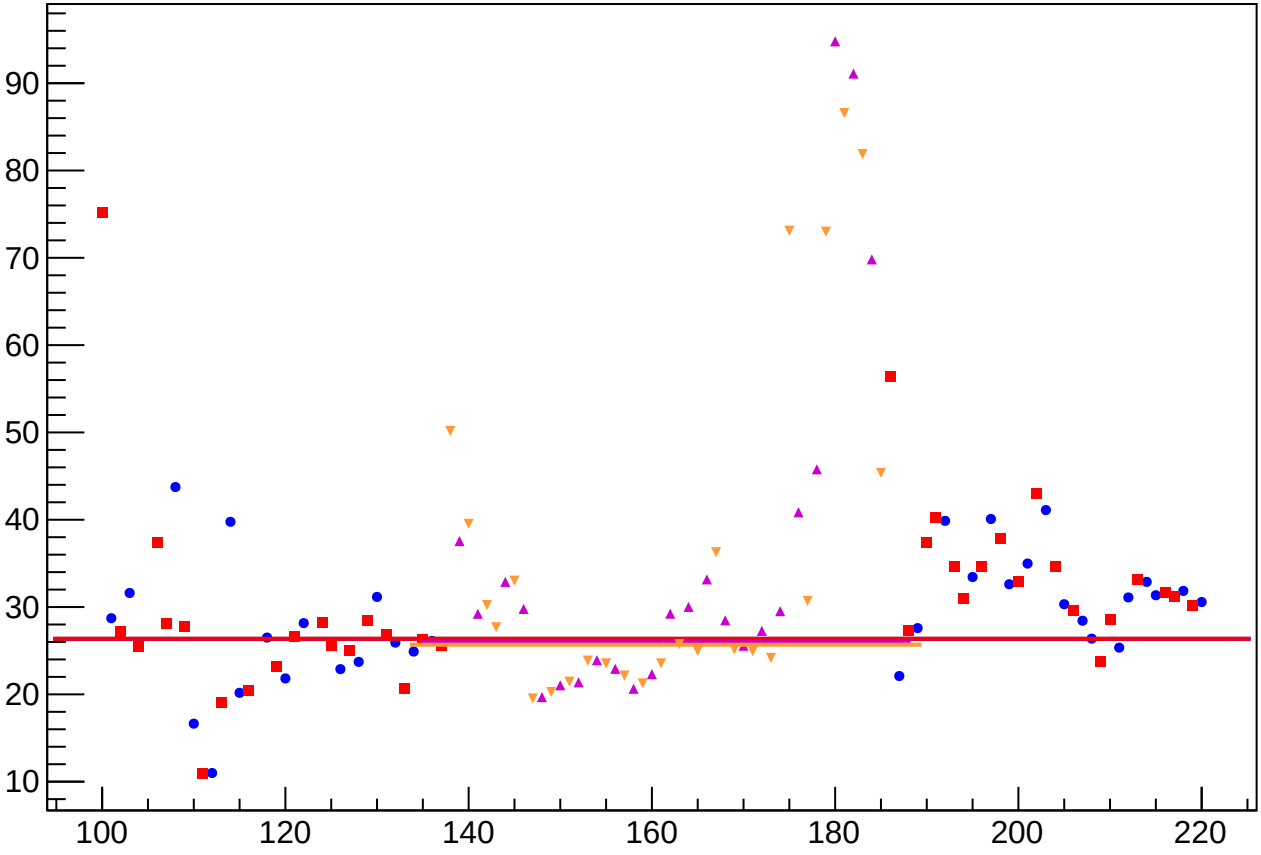
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.006+/-0.004 χ^2/NDF: 79.4/57

All: -0.011+/-0.003 χ^2/NDF: 280.1/117

- sign -0.016+/-0.004 χ^2/NDF: 197.9/59

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.360+/-0.004 χ^2/NDF: 3339702.0/32

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

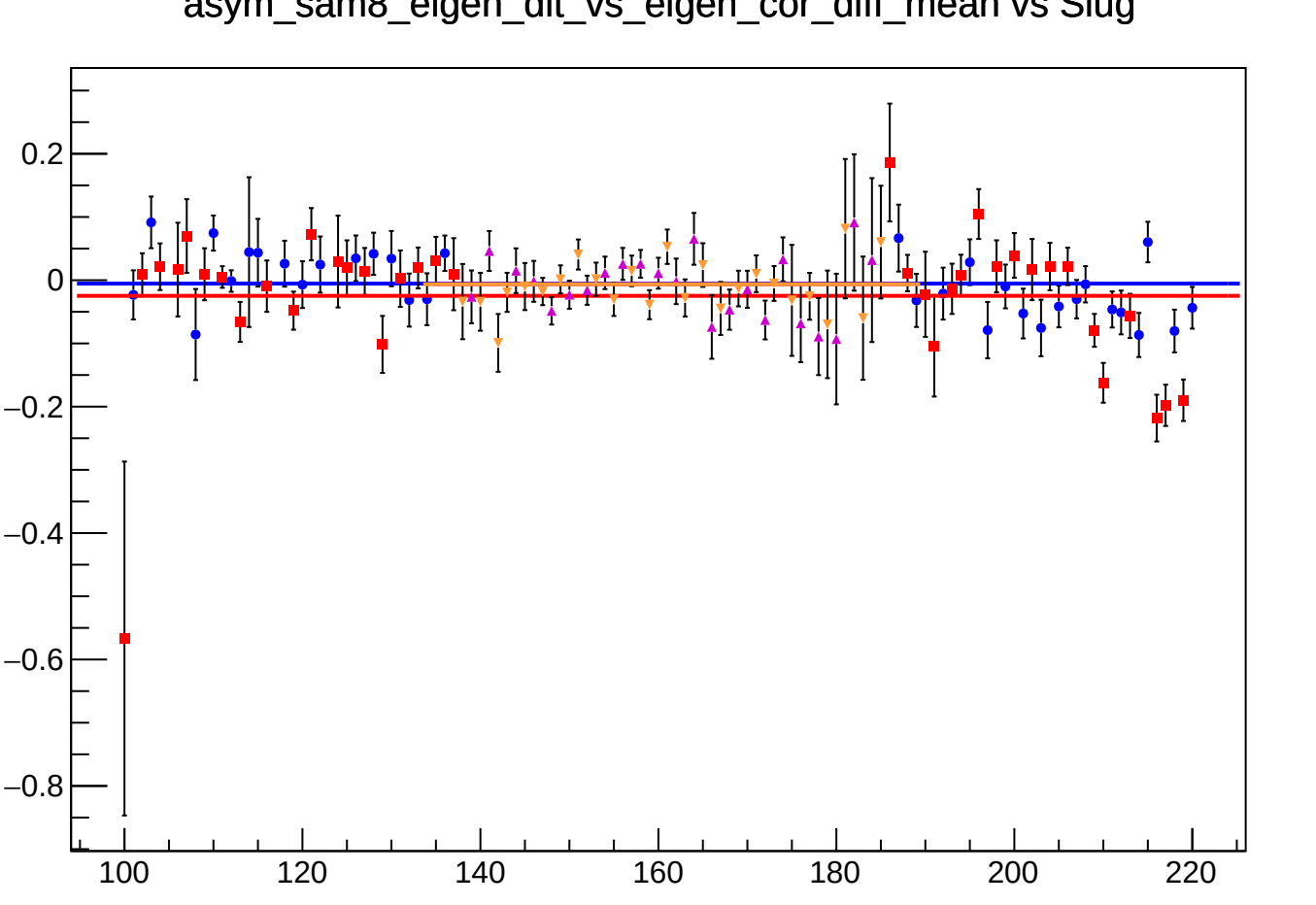
Right Out: 26.366+/-0.004 χ^2/NDF: 3335317.9/36

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 26.038+/-0.003 χ^2/NDF: 7222898.3/57

All: 26.112+/-0.002 χ^2/NDF: 13681509.9/117

- sign 26.187+/-0.003 χ^2/NDF: 6457494.0/59



Right In: -0.005+/-0.006 χ^2/NDF: 56.8/32

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

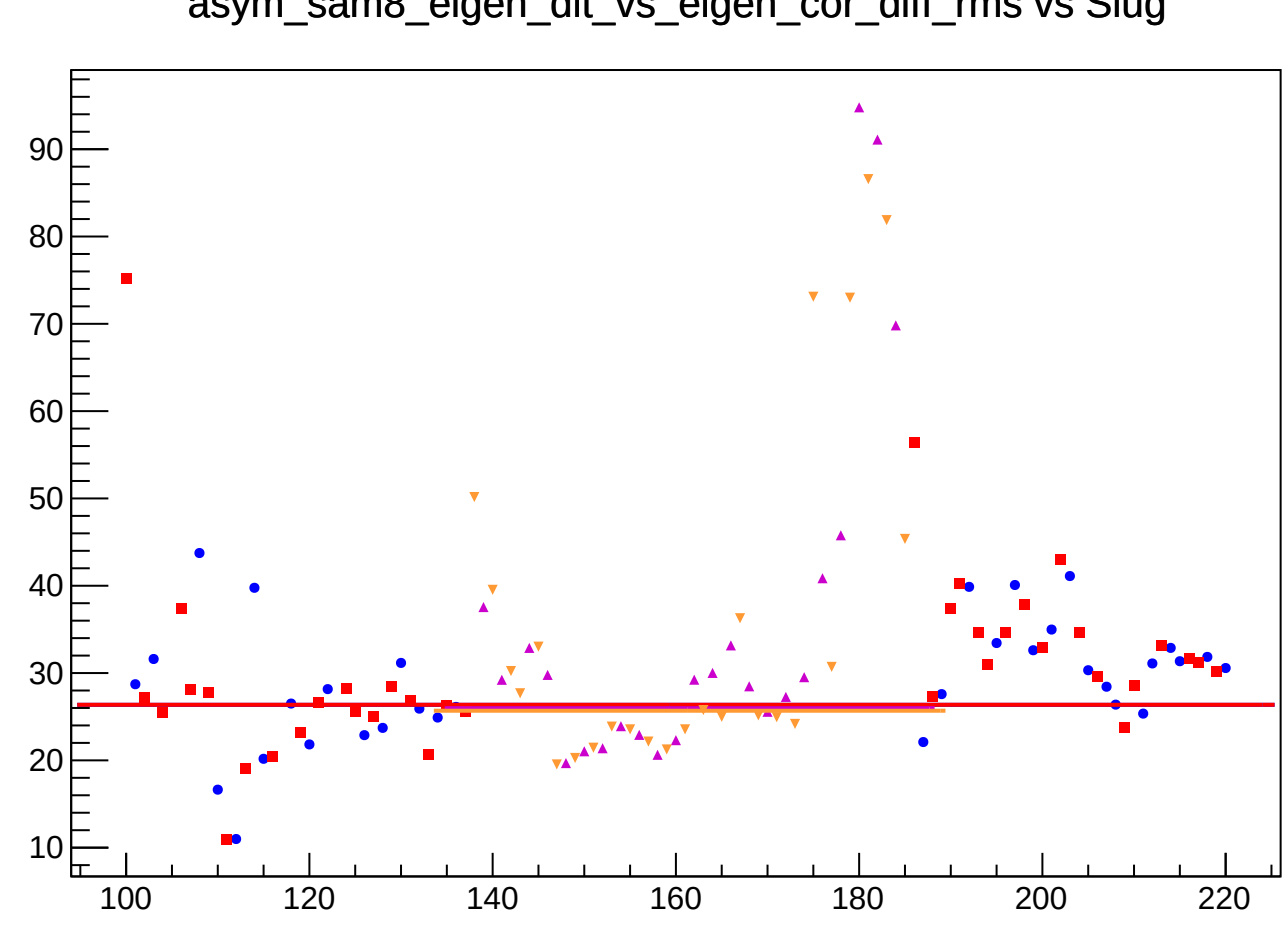
Right Out: -0.025+/-0.006 χ^2/NDF: 165.3/36

Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.006+/-0.004 χ^2/NDF: 79.4/57

All: -0.011+/-0.003 χ^2/NDF: 280.1/117

- sign -0.016+/-0.004 χ^2/NDF: 197.9/59



Right In: 26.360+/-0.004 χ^2/NDF: 3339702.0/32

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

Right Out: 26.366+/-0.004 χ^2/NDF: 3335317.9/36

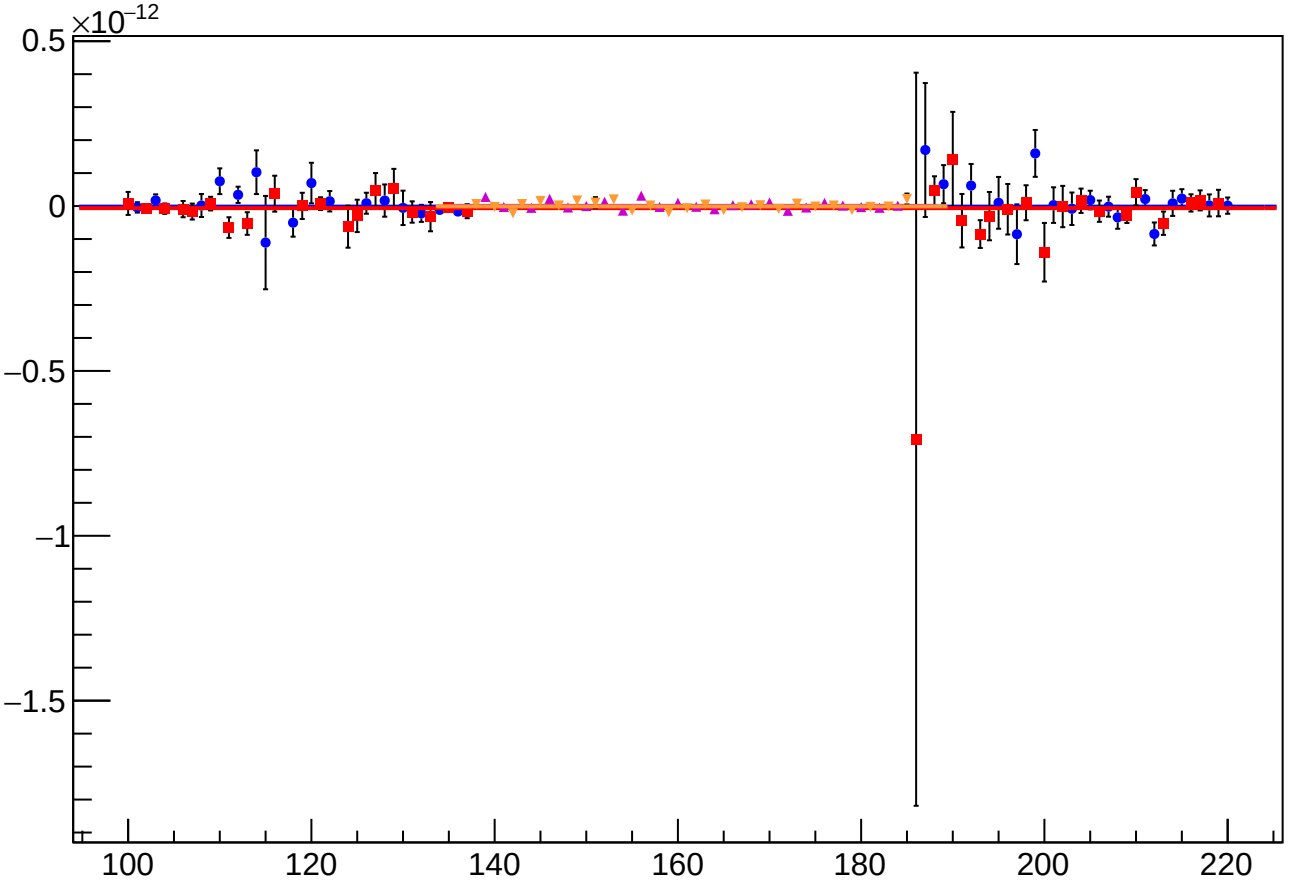
Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 26.038+/-0.003 χ^2/NDF: 7222898.3/57

All: 26.112+/-0.002 χ^2/NDF: 13681509.9/117

- sign 26.187+/-0.003 χ^2/NDF: 6457494.0/59

asym_sam8_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 35.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

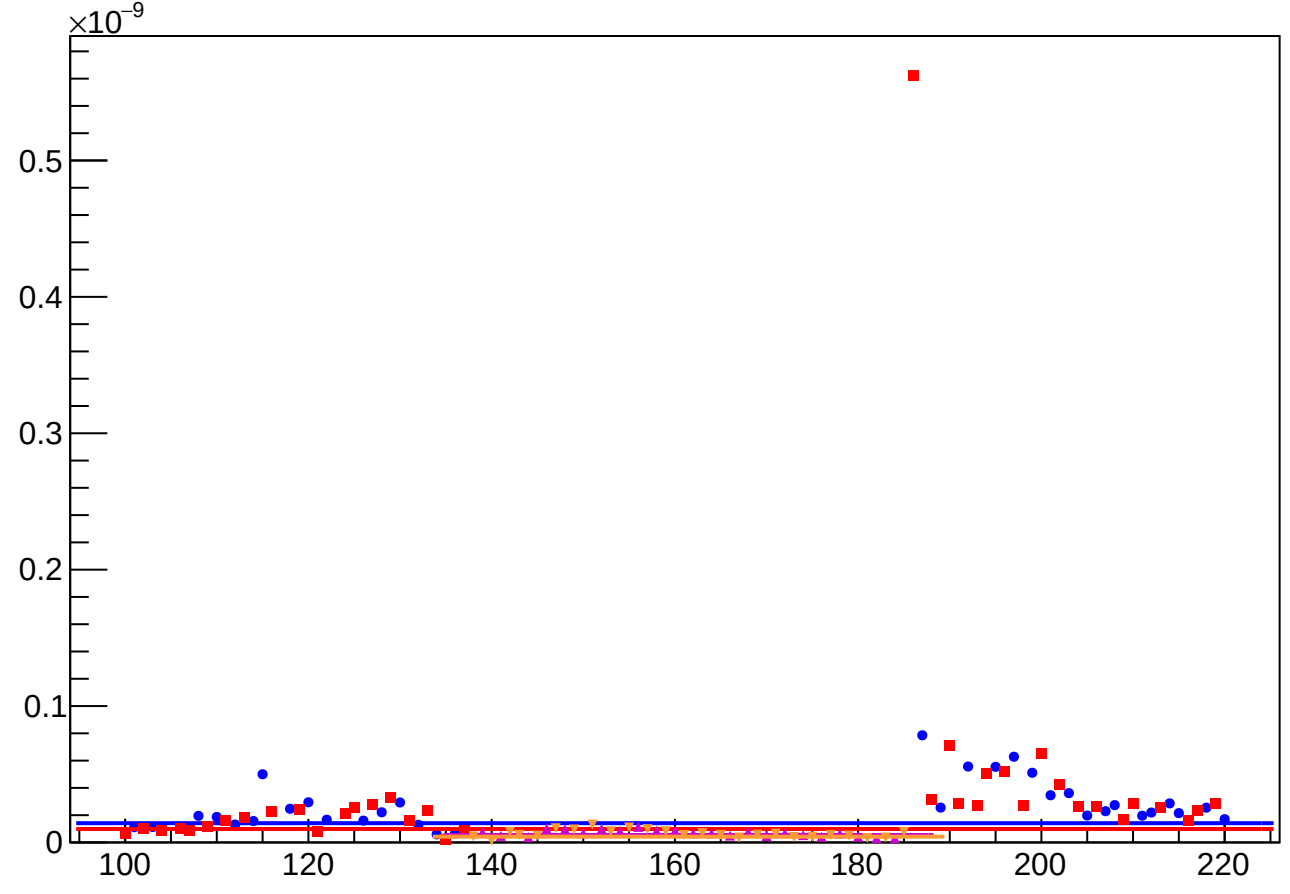
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/36

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.8/57

All: -0.000+/-0.000 χ^2/NDF: 121.8/117

- sign -0.000+/-0.000 χ^2/NDF: 57.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 7762611.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12412252.2/36

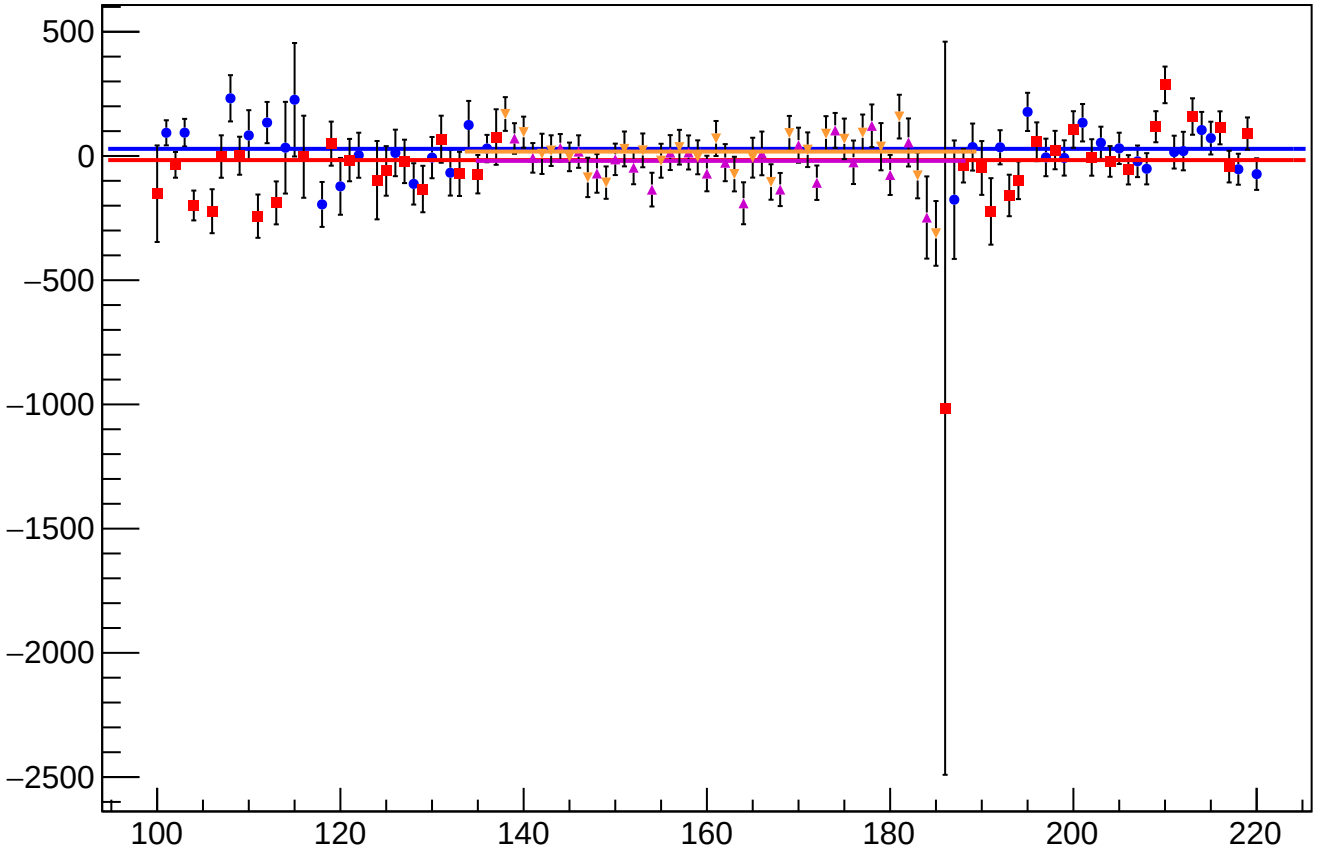
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 21187803.2/57

All: 0.000+/-0.000 χ^2/NDF: 39080909.4/117

- sign 0.000+/-0.000 χ^2/NDF: 17333398.9/59

reg_asym_sam_15_avg_mean vs Slug



Right In: 28.721+/-13.169 χ^2/NDF: 38.7/32

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -16.557+/-13.109 χ^2/NDF: 76.5/36

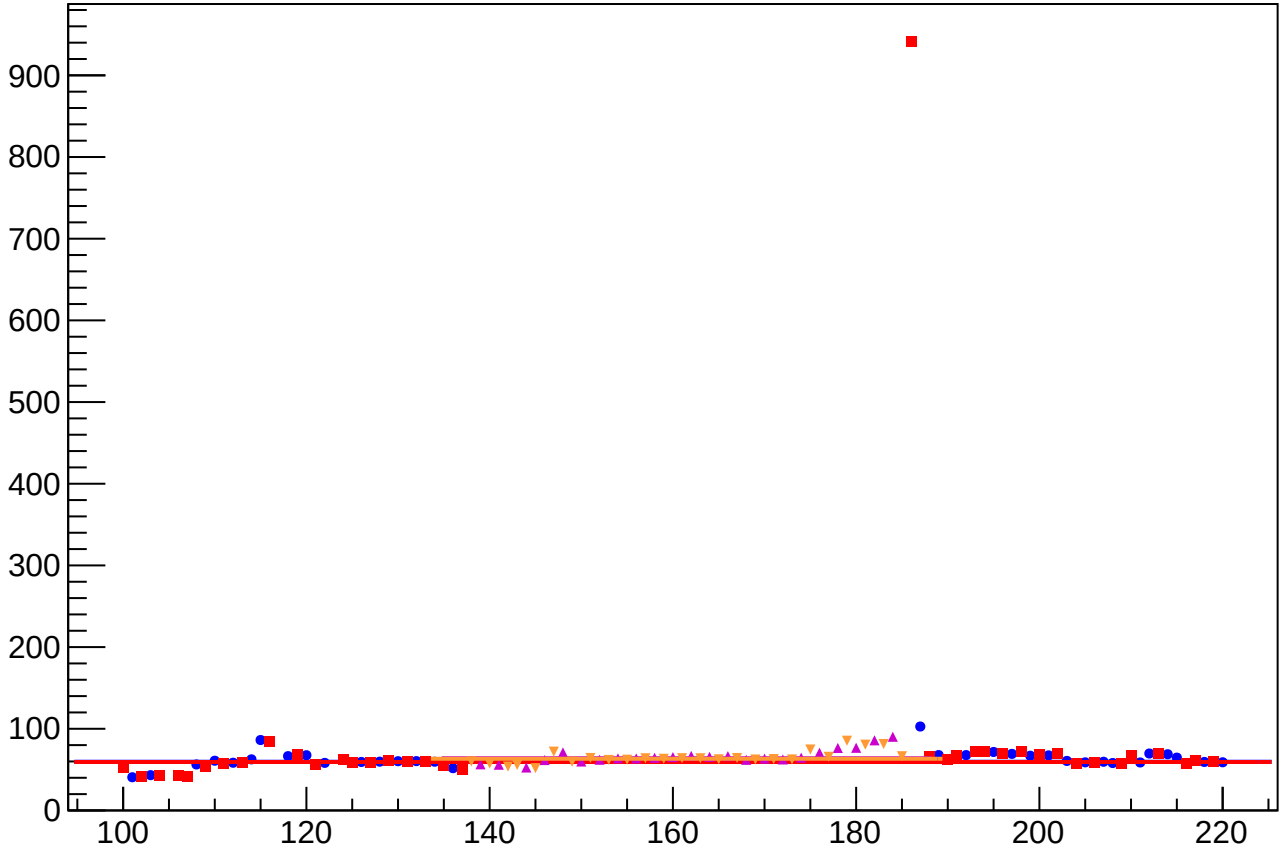
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 23.783+/-9.747 χ^2/NDF: 70.6/57

All: 3.233+/-6.939 χ^2/NDF: 182.4/117

- sign -17.889+/-9.882 χ^2/NDF: 102.8/59

reg_asym_sam_15_avg_rms vs Slug



Right In: 59.635+/-0.009 χ^2/NDF: 862700.1/32

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.312+/-0.009 χ^2/NDF: 1719337.9/36

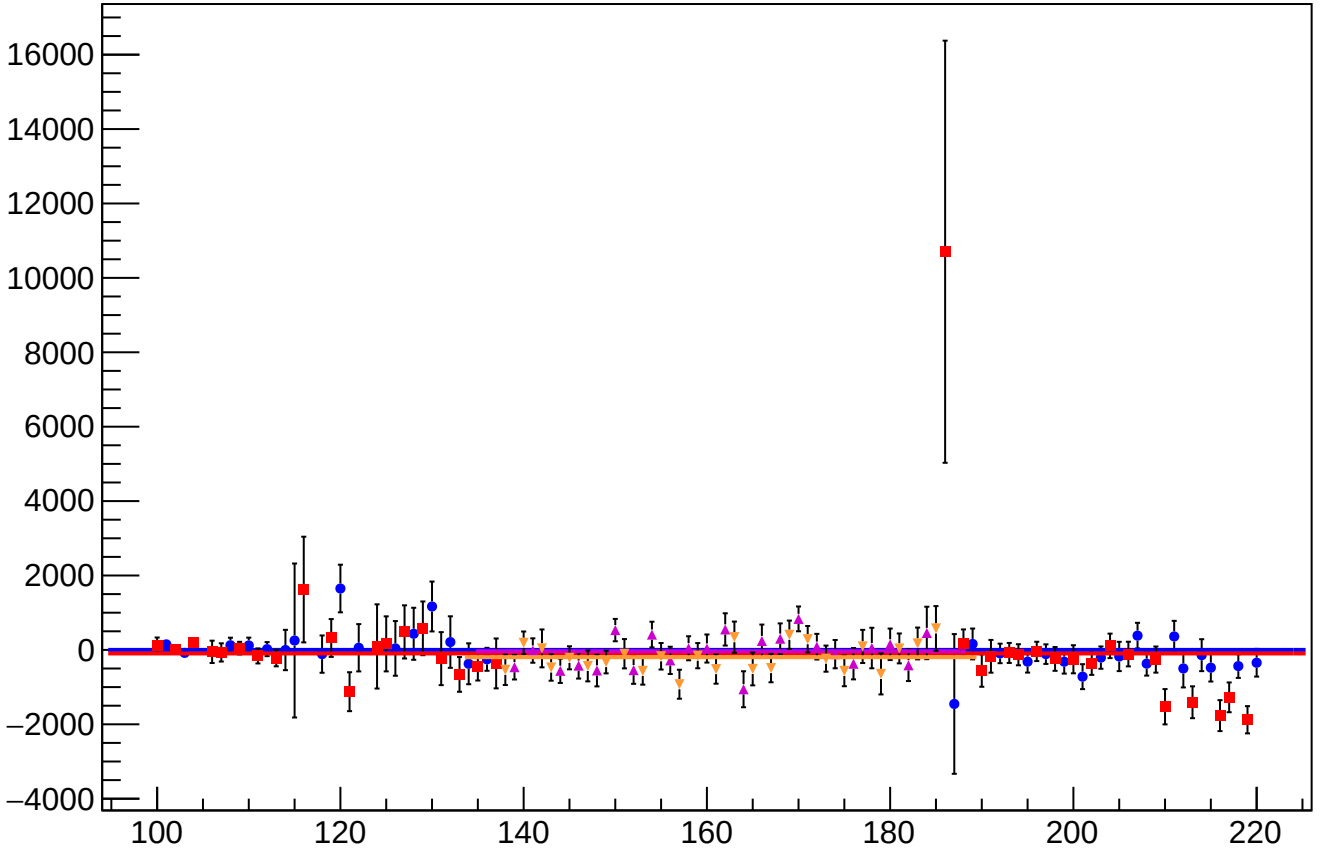
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.298+/-0.007 χ^2/NDF: 1430644.4/57

All: 61.299+/-0.005 χ^2/NDF: 3701896.2/117

- sign 61.301+/-0.007 χ^2/NDF: 2271251.7/59

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 0.257+/-40.717 χ^2/NDF: 35.0/32

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -95.748+/-43.111 χ^2/NDF: 98.3/36

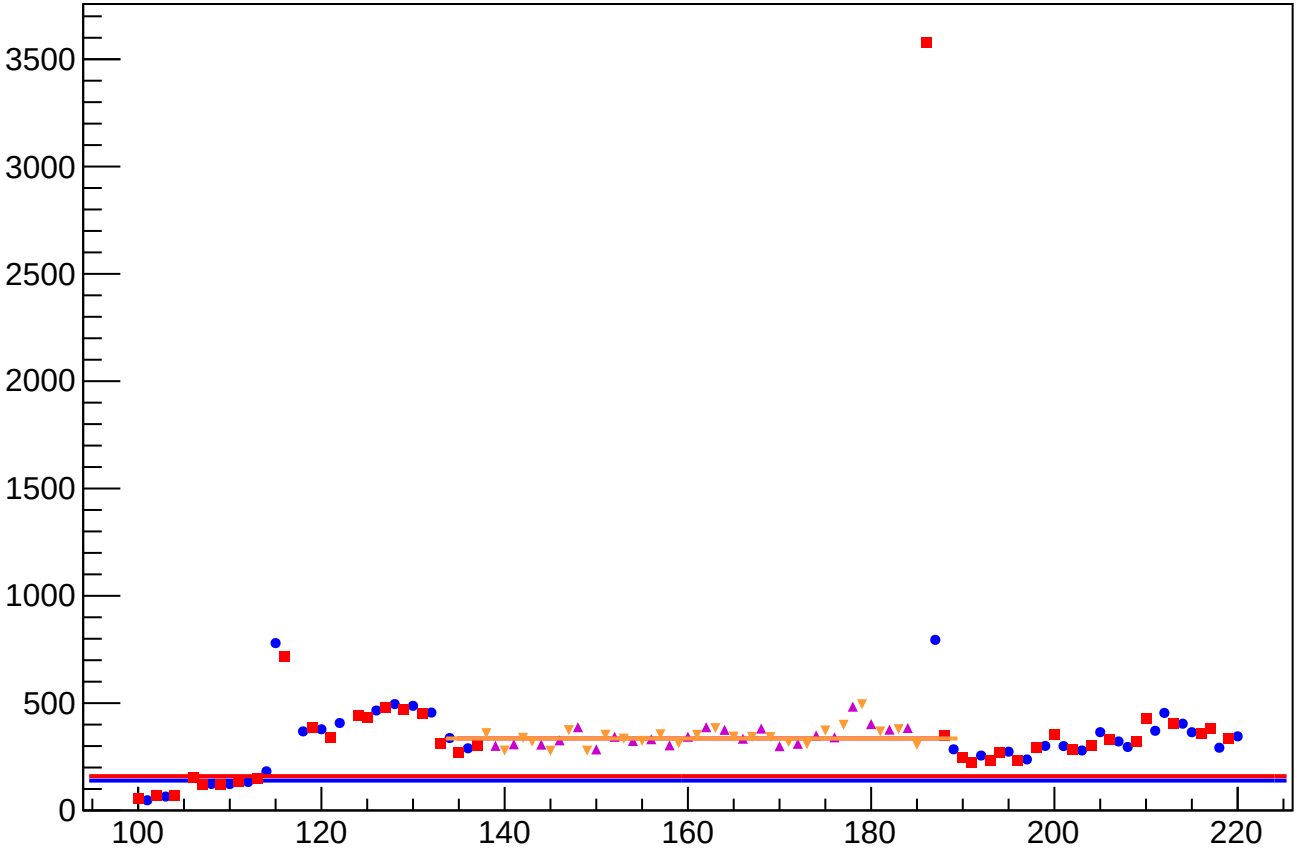
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -42.540+/-36.003 χ^2/NDF: 60.6/57

All: -61.366+/-26.092 χ^2/NDF: 191.0/117

- sign -82.189+/-37.866 χ^2/NDF: 129.8/59

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 139.171+/-0.029 χ^2/NDF: 17643130.0/32

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 159.890+/-0.030 χ^2/NDF: 14813115.4/36

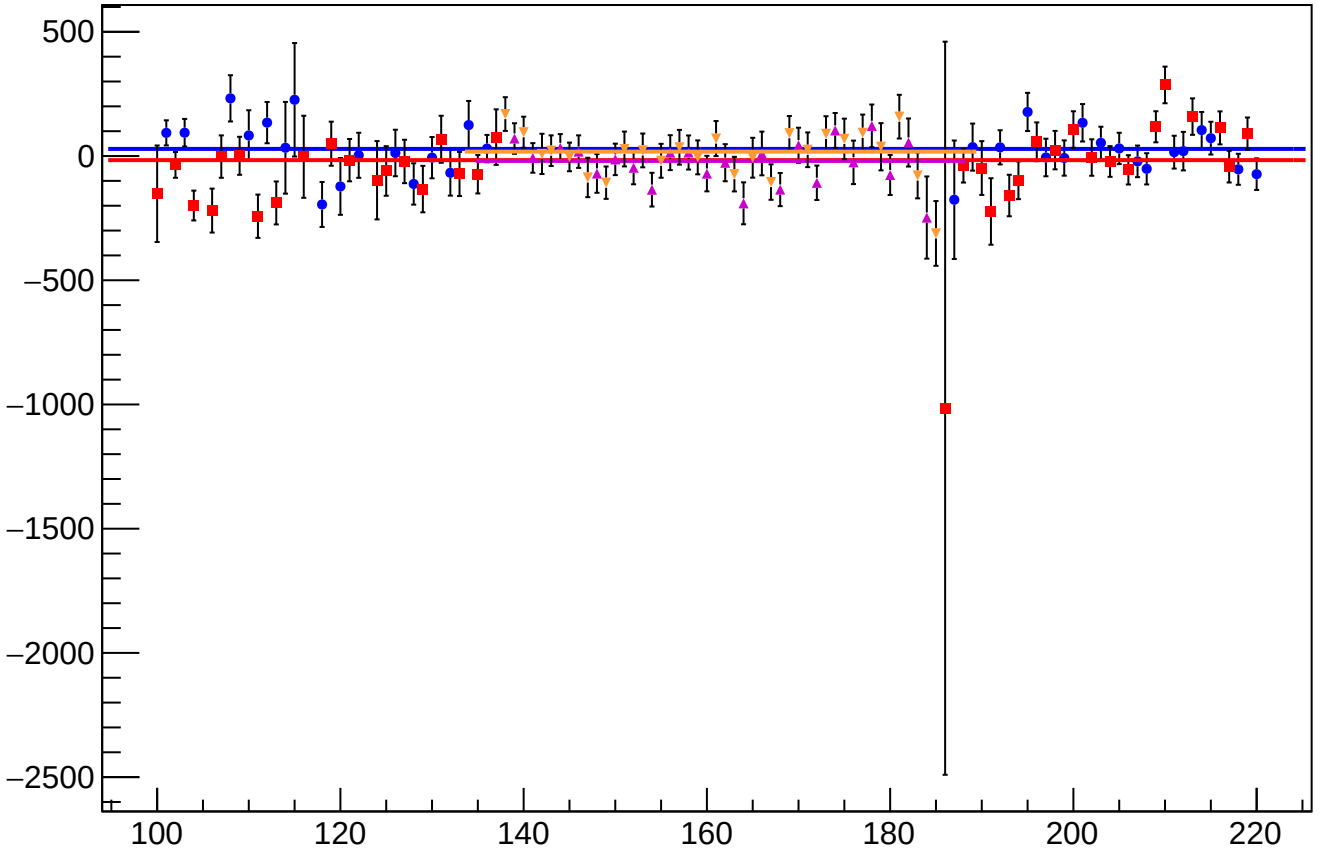
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 181.945+/-0.025 χ^2/NDF: 28326187.6/57

All: 190.531+/-0.018 χ^2/NDF: 51460107.7/11

- sign 200.028+/-0.027 χ^2/NDF: 22894379.1/59

cor_asym_sam_15_avg_mean vs Slug



Right In: 28.726+/-13.169 χ^2/NDF: 38.7/32

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -16.495+/-13.109 χ^2/NDF: 76.3/36

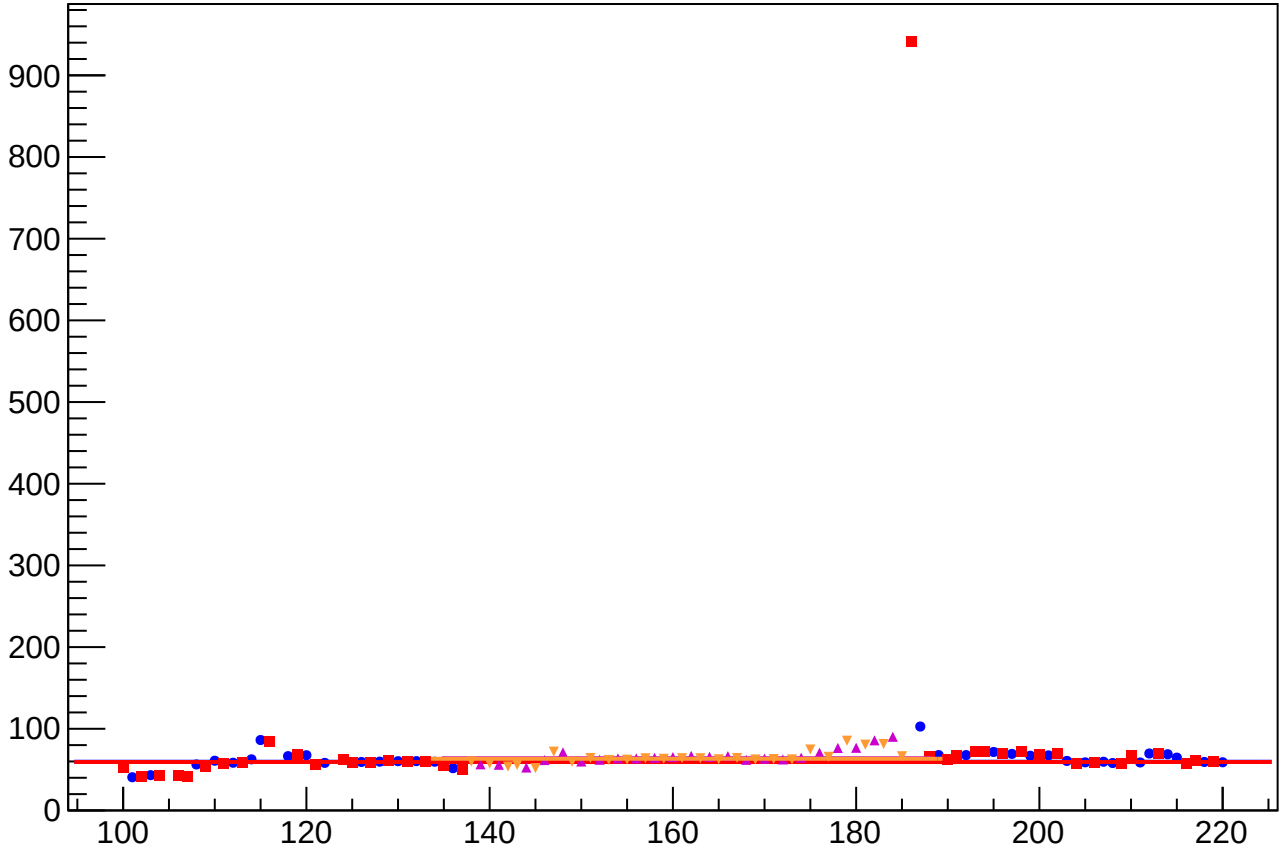
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 23.787+/-9.747 χ^2/NDF: 70.6/57

All: 3.253+/-6.940 χ^2/NDF: 182.2/117

- sign -17.853+/-9.882 χ^2/NDF: 102.6/59

cor_asym_sam_15_avg_rms vs Slug



Right In: 59.635+/-0.009 χ^2/NDF: 862699.0/32

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 59.311+/-0.009 χ^2/NDF: 1719762.8/36

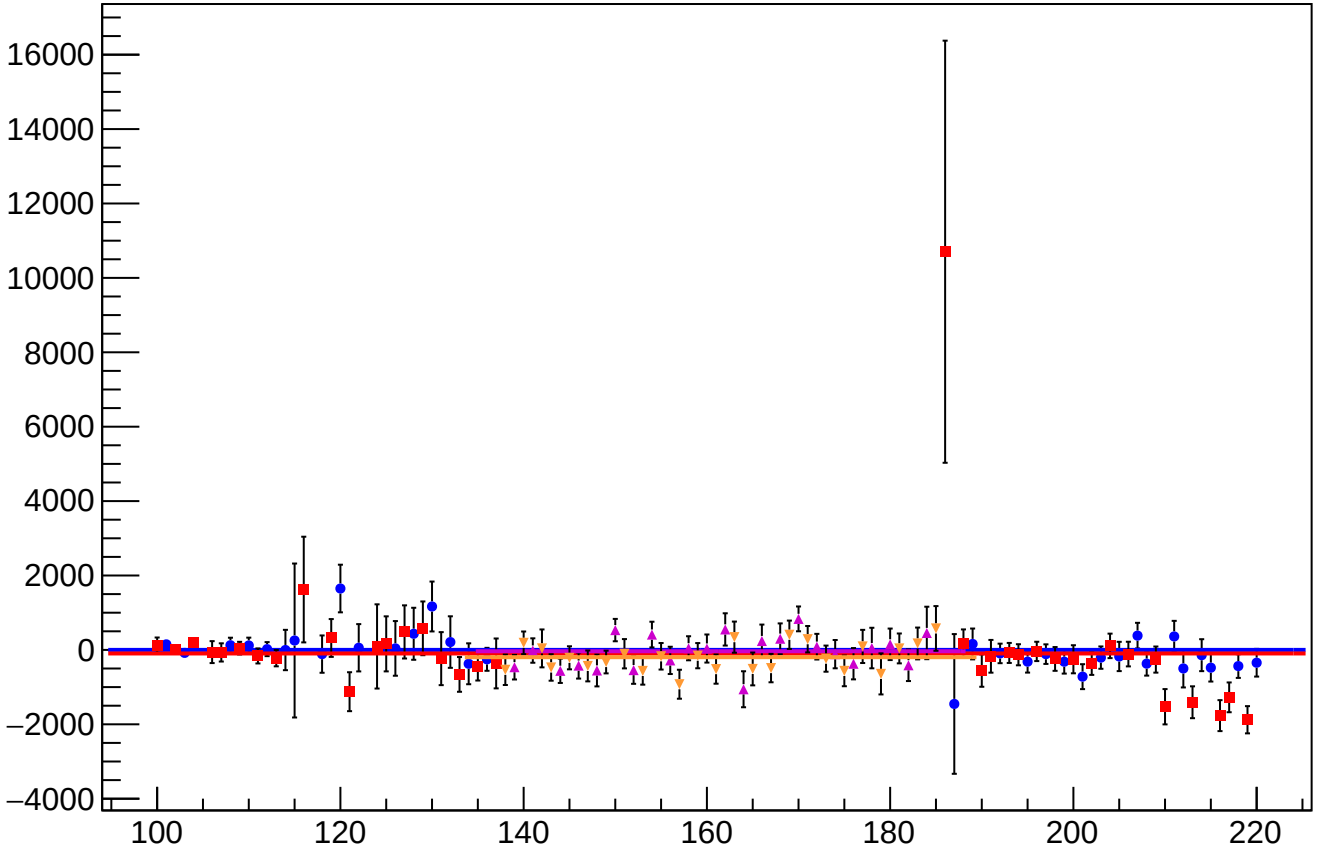
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.298+/-0.007 χ^2/NDF: 1430643.3/57

All: 61.299+/-0.005 χ^2/NDF: 3702344.4/117

- sign 61.300+/-0.007 χ^2/NDF: 2271701.0/59

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 0.262+/-40.716 χ^2/NDF: 35.0/32

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -95.920+/-43.084 χ^2/NDF: 98.2/36

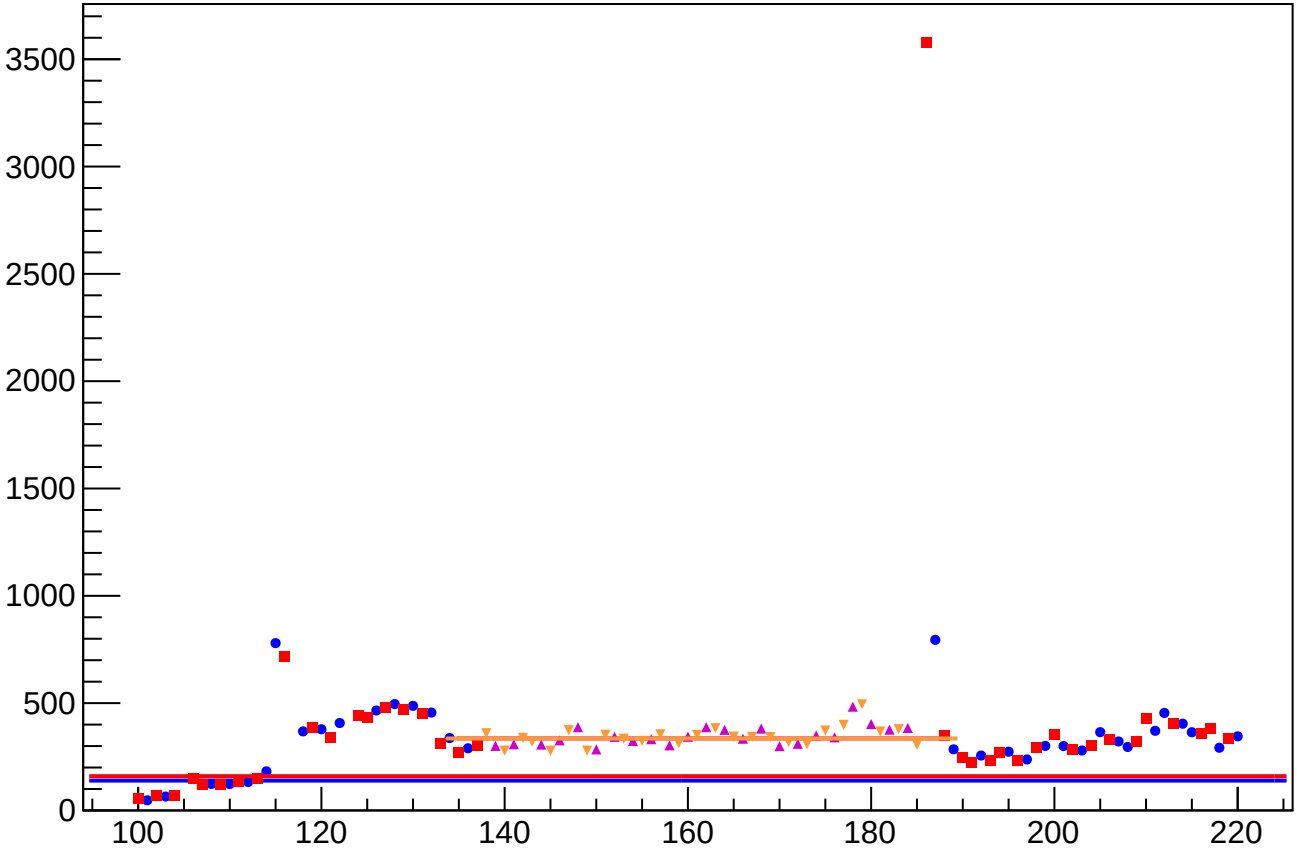
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -42.534+/-36.003 χ^2/NDF: 60.6/57

All: -61.440+/-26.086 χ^2/NDF: 191.0/117

- sign -82.334+/-37.848 χ^2/NDF: 129.8/59

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 139.167+/-0.029 χ^2/NDF: 17643558.3/32

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 159.694+/-0.030 χ^2/NDF: 14823253.4/36

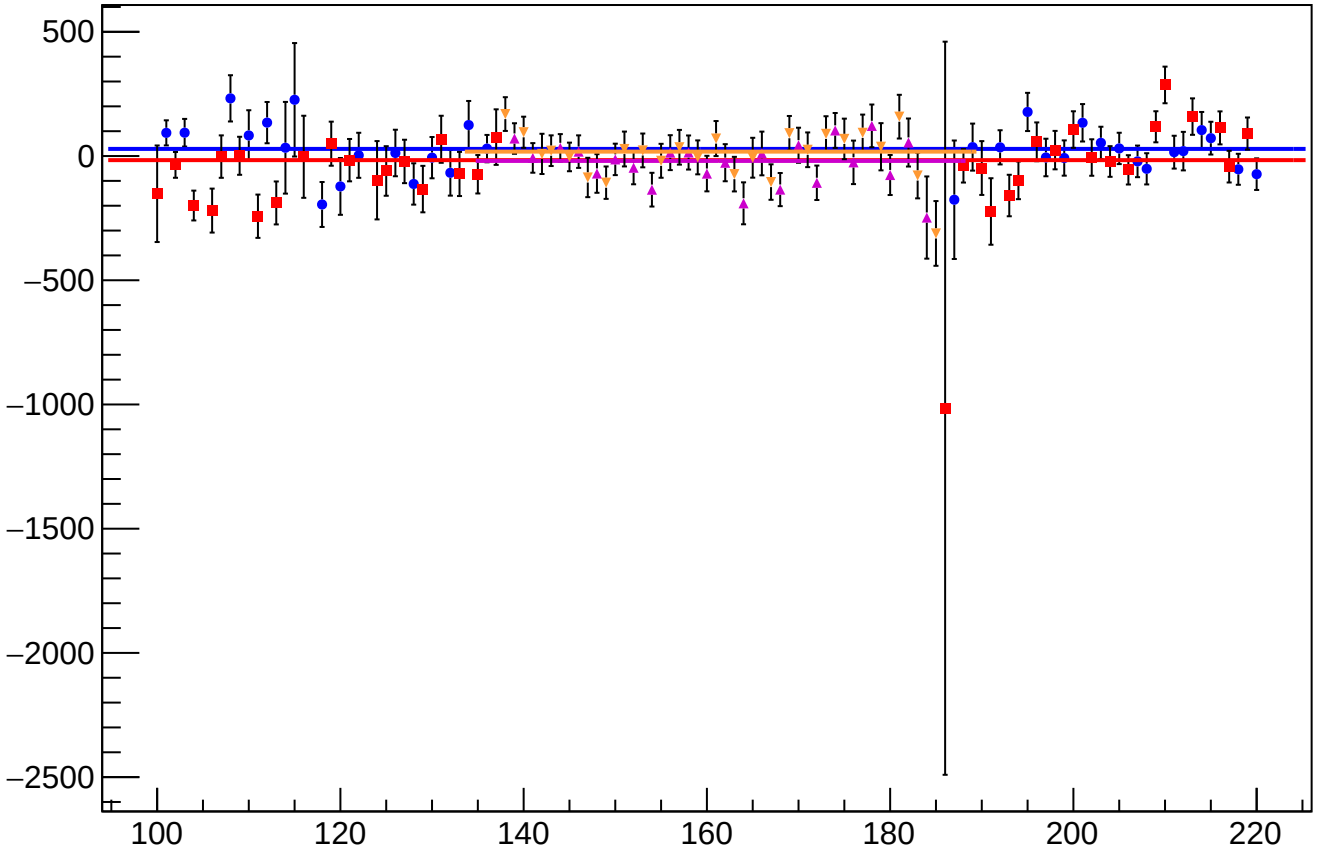
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 181.941+/-0.025 χ^2/NDF: 28327071.6/57

All: 190.443+/-0.018 χ^2/NDF: 51485437.9/11

- sign 199.838+/-0.027 χ^2/NDF: 22923600.2/59

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 28.726+/-13.169 χ^2/NDF: 38.7/32

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -16.495+/-13.109 χ^2/NDF: 76.3/36

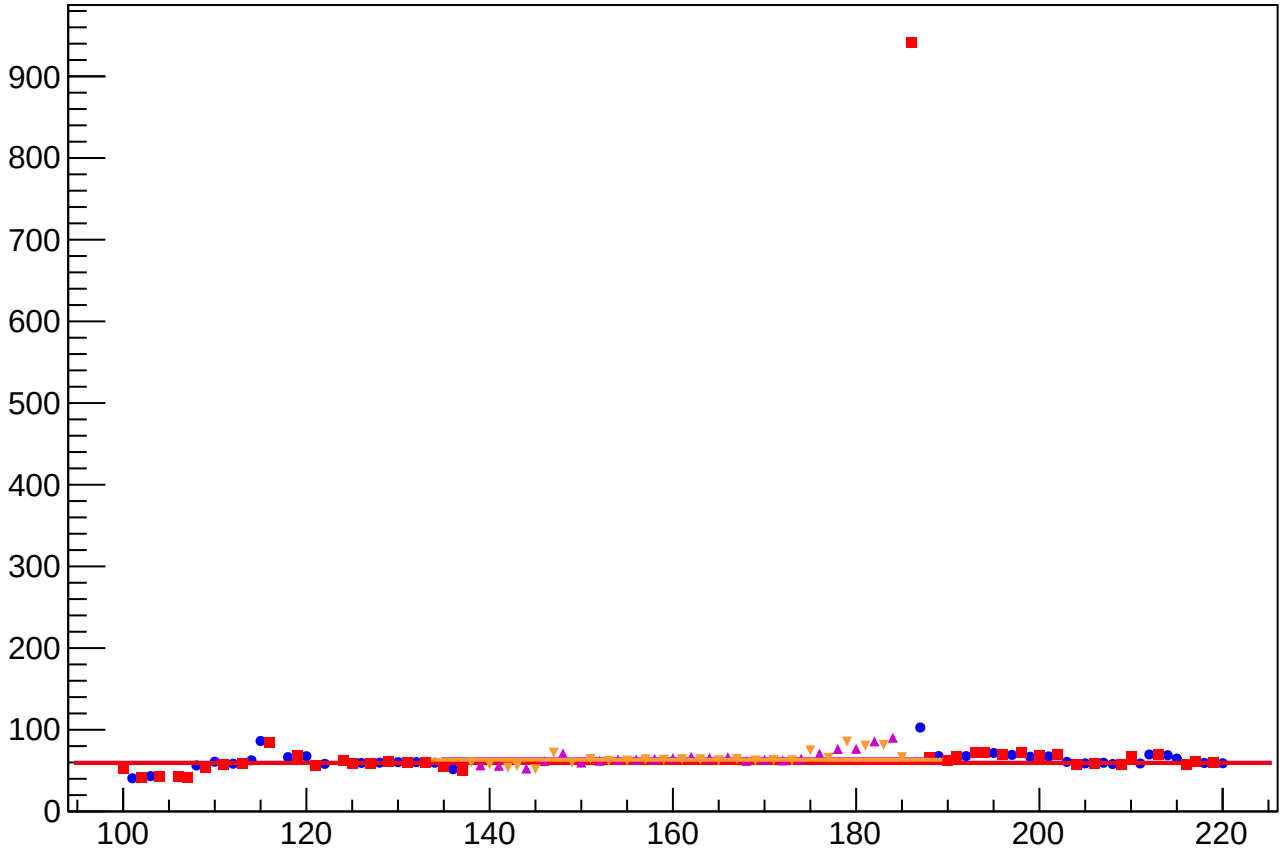
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 23.787+/-9.747 χ^2/NDF: 70.6/57

All: 3.253+/-6.940 χ^2/NDF: 182.2/117

- sign -17.853+/-9.882 χ^2/NDF: 102.6/59

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 59.635+/-0.009 χ^2/NDF: 862699.0/32

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

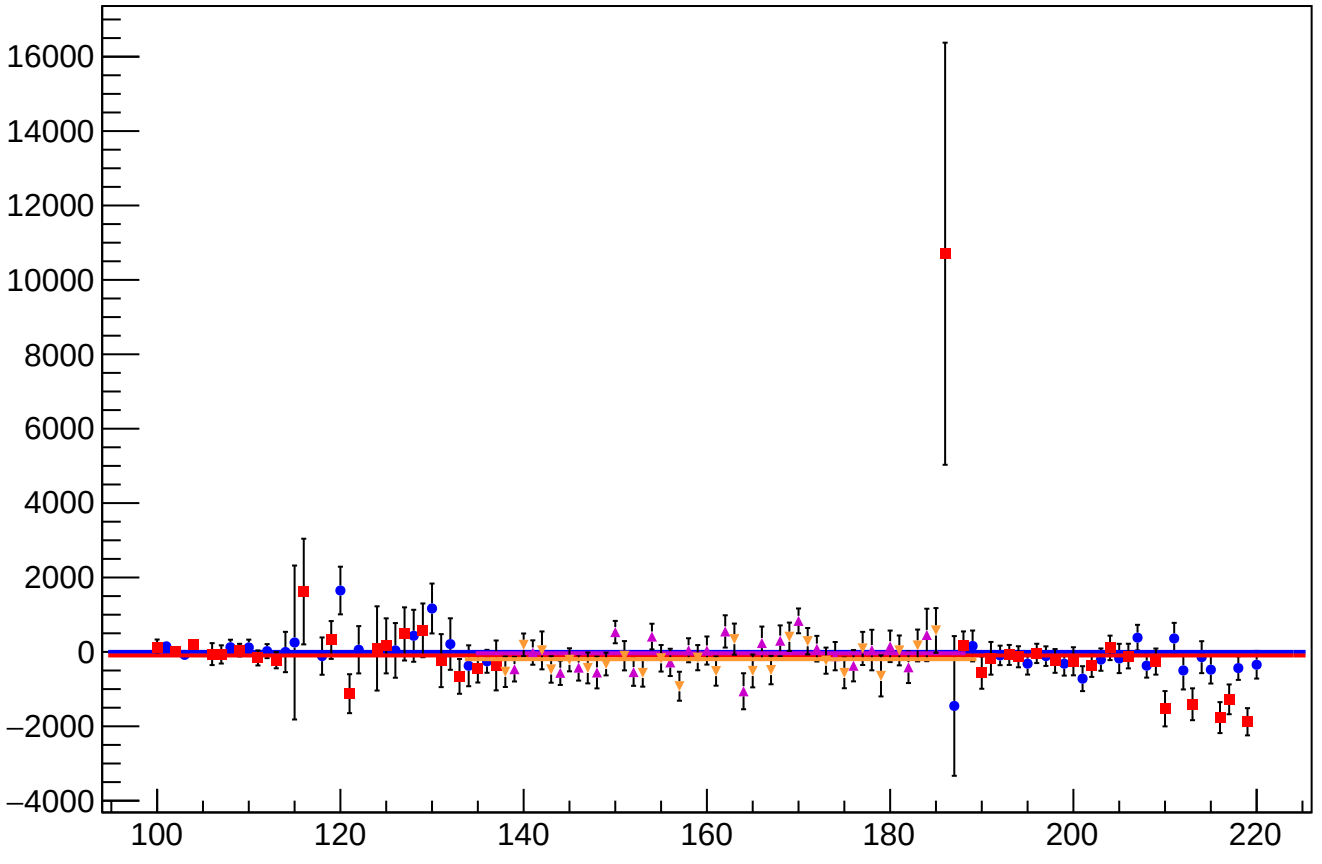
Right Out: 59.311+/-0.009 χ^2/NDF: 1719762.8/36

Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

+ sign 61.298+/-0.007 χ^2/NDF: 1430643.3/57

All: 61.299+/-0.005 χ^2/NDF: 3702344.4/117

- sign 61.300+/-0.007 χ^2/NDF: 2271701.0/59



Right In: 0.262+/-40.716 χ^2/NDF: 35.0/32

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -95.920+/-43.084 χ^2/NDF: 98.2/36

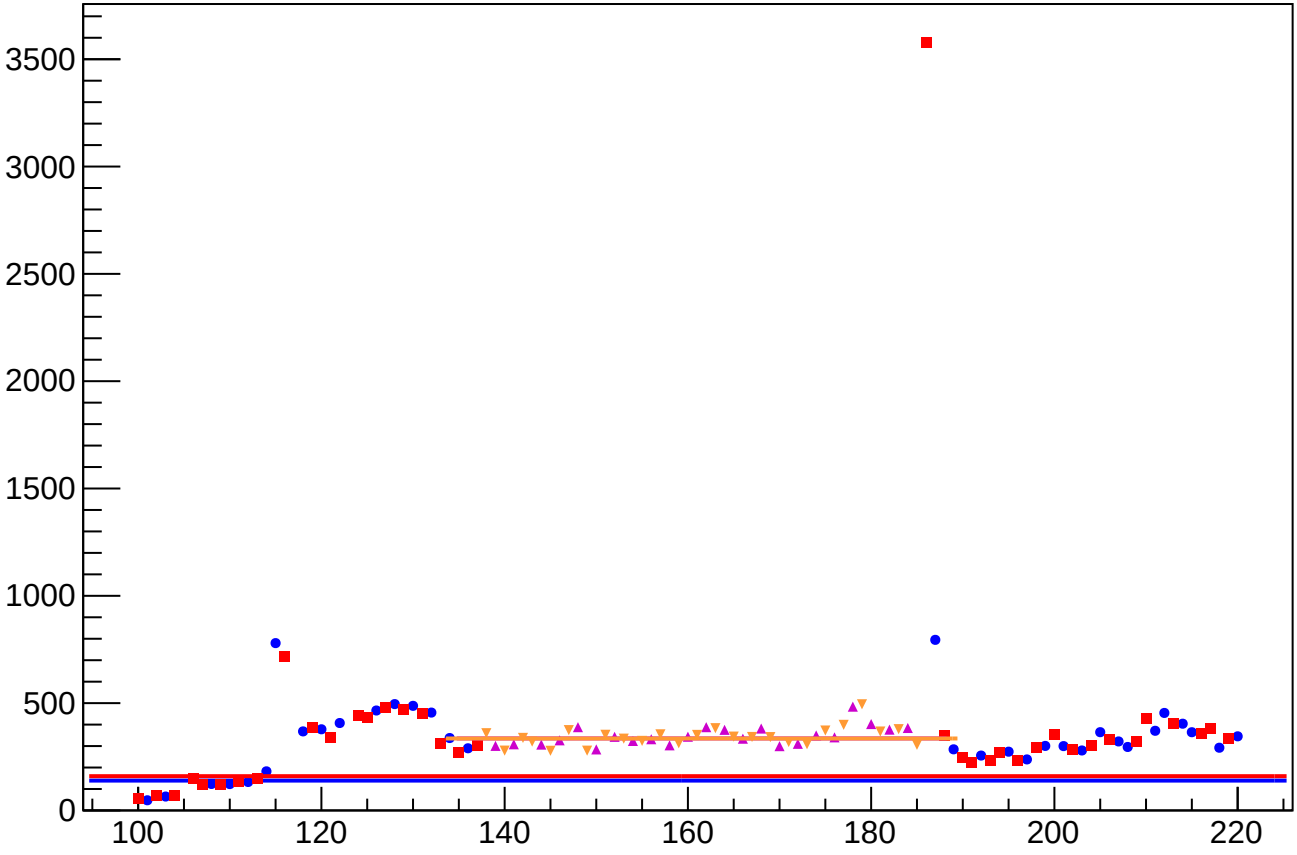
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -42.534+/-36.003 χ^2/NDF: 60.6/57

All: -61.440+/-26.086 χ^2/NDF: 191.0/117

- sign -82.334+/-37.848 χ^2/NDF: 129.8/59

asym_sam_15_avg_eigen_cor_correction_rms vs Slug



Right In: 139.167+/-0.029 χ^2/NDF: 17643558.3/32

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

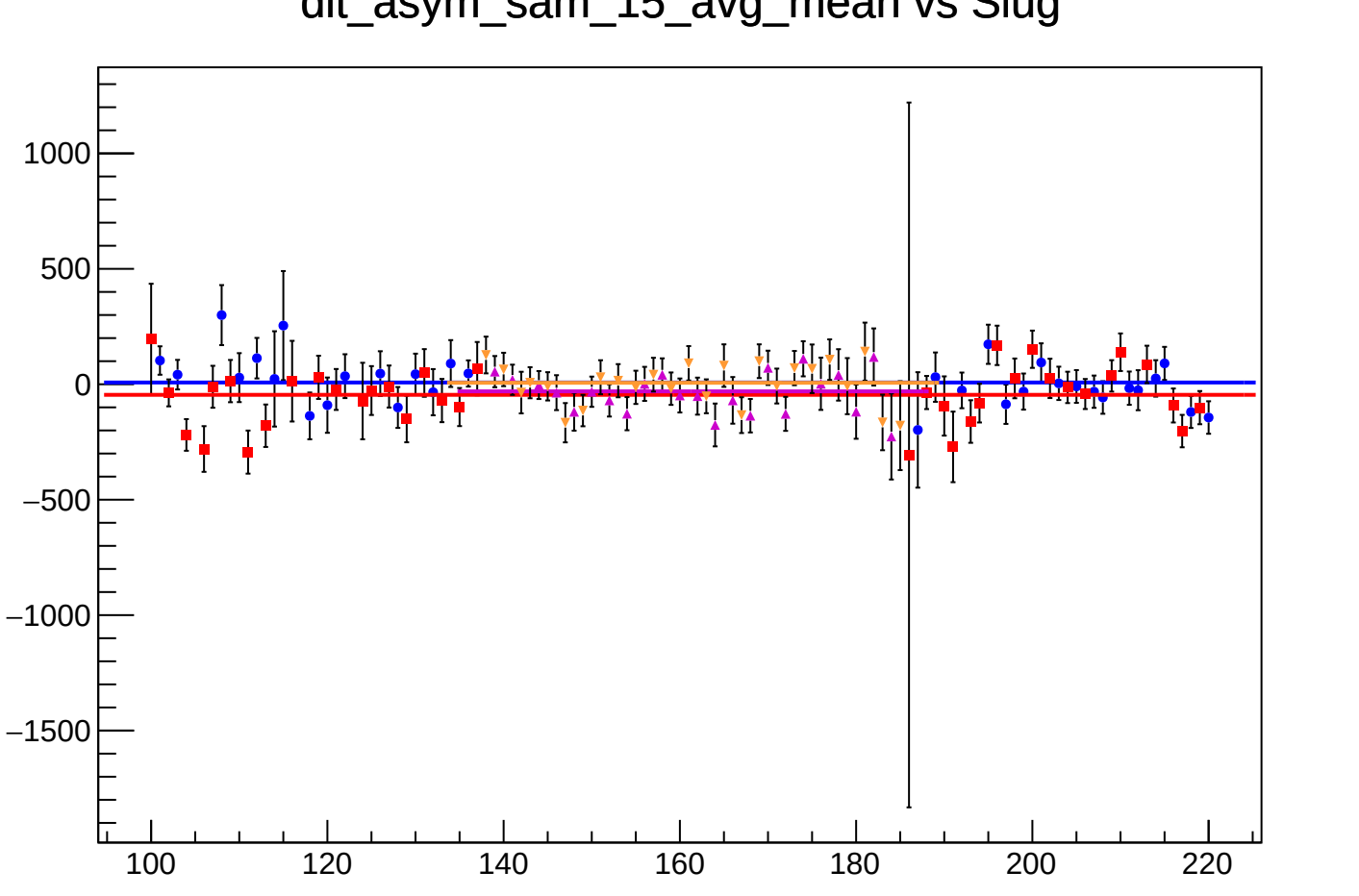
Right Out: 159.694+/-0.030 χ^2/NDF: 14823253.4/36

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 181.941+/-0.025 χ^2/NDF: 28327071.6/57

All: 190.443+/-0.018 χ^2/NDF: 51485437.9/11

- sign 199.838+/-0.027 χ^2/NDF: 22923600.2/59



Right In: 7.681+/-14.557 χ^2/NDF: 34.4/32

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -45.785+/-14.398 χ^2/NDF: 60.5/36

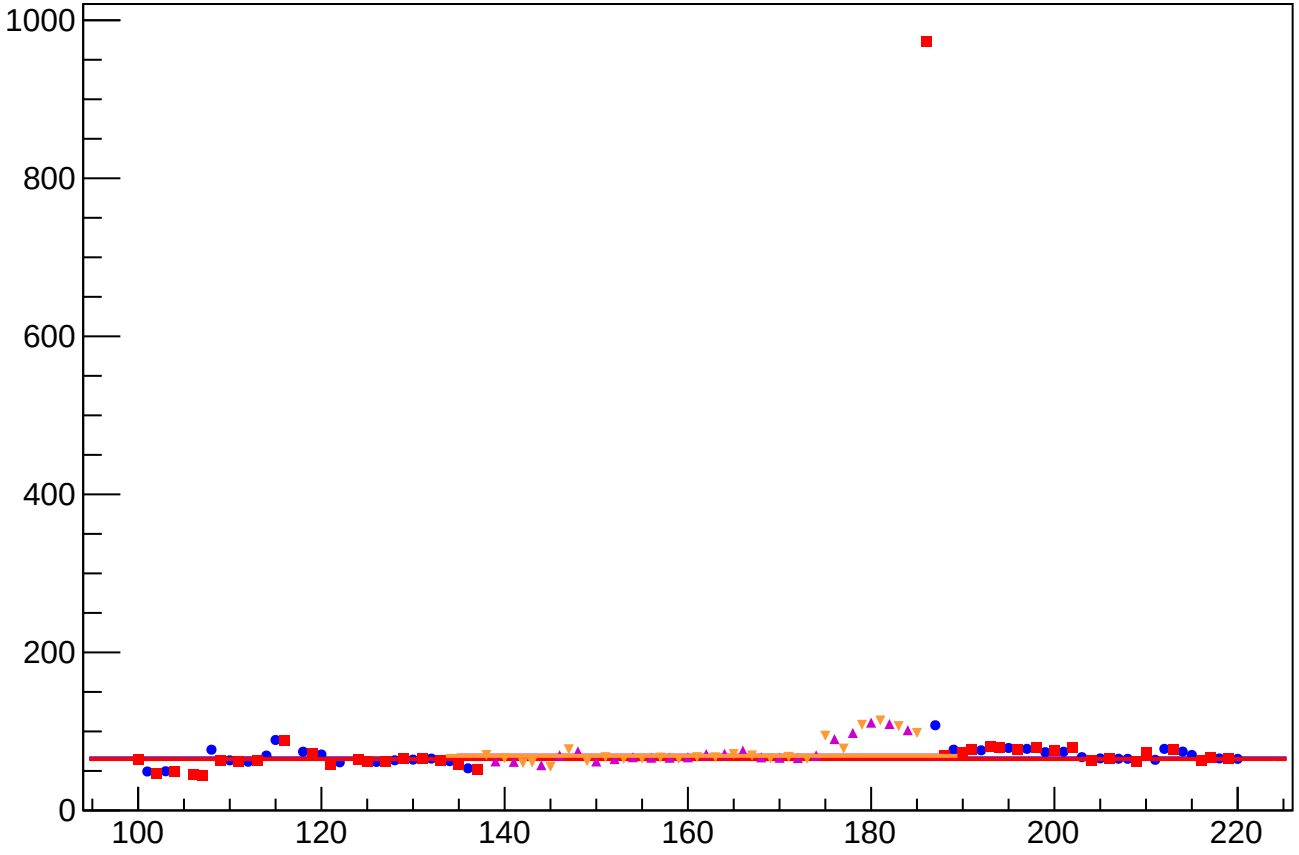
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 7.131+/-10.761 χ^2/NDF: 59.5/57

All: -15.868+/-7.640 χ^2/NDF: 152.2/117

- sign -39.249+/-10.849 χ^2/NDF: 83.4/59

dit_asym_sam_15_avg_rms vs Slug



Right In: 65.934+/-0.010 χ^2/NDF: 757841.1/32

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 65.045+/-0.010 χ^2/NDF: 1712576.2/36

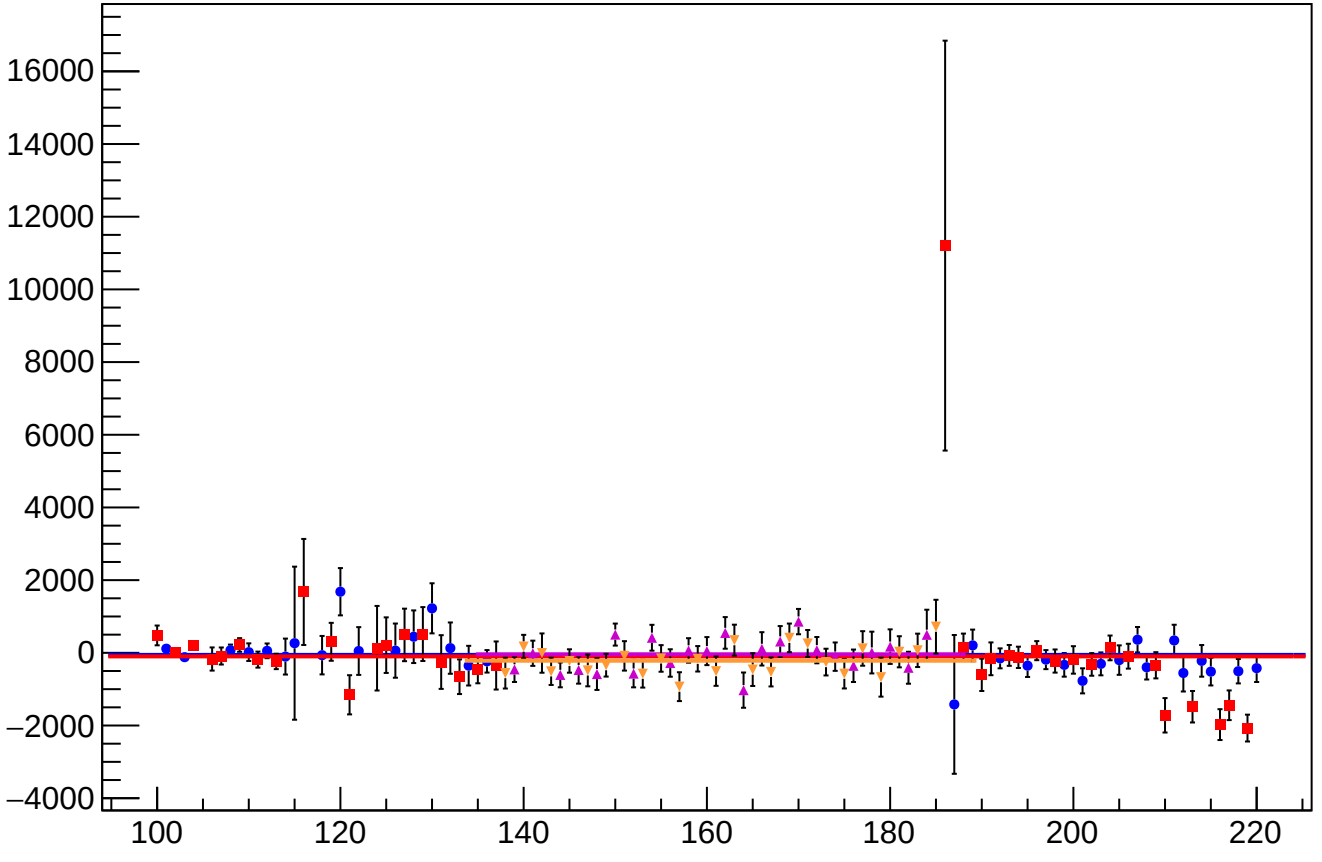
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

\+ sign 67.360+/-0.008 χ^2/NDF: 1874182.1/57

All: 67.153+/-0.005 χ^2/NDF: 4593260.8/117

\- sign 66.943+/-0.008 χ^2/NDF: 2717587.8/59

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -56.984+/-45.633 χ^2/NDF: 33.2/32

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: -98.234+/-45.203 χ^2/NDF: 117.3/36

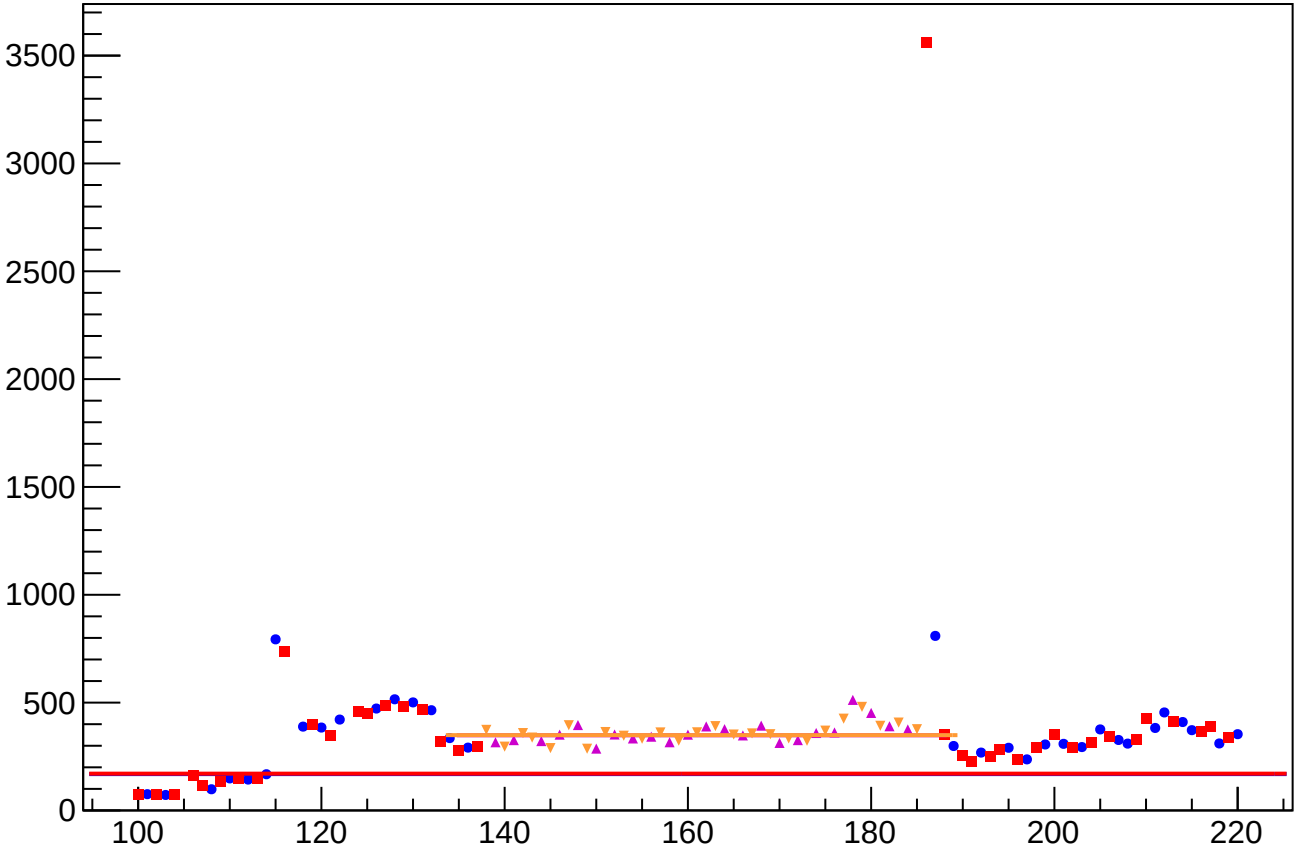
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -96.254+/-39.654 χ^2/NDF: 55.5/57

All: -90.660+/-28.026 χ^2/NDF: 203.2/117

- sign -85.077+/-39.615 χ^2/NDF: 147.6/59

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 168.551+/-0.032 χ^2/NDF: 14320288.1/32

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 170.638+/-0.032 χ^2/NDF: 13987283.1/36

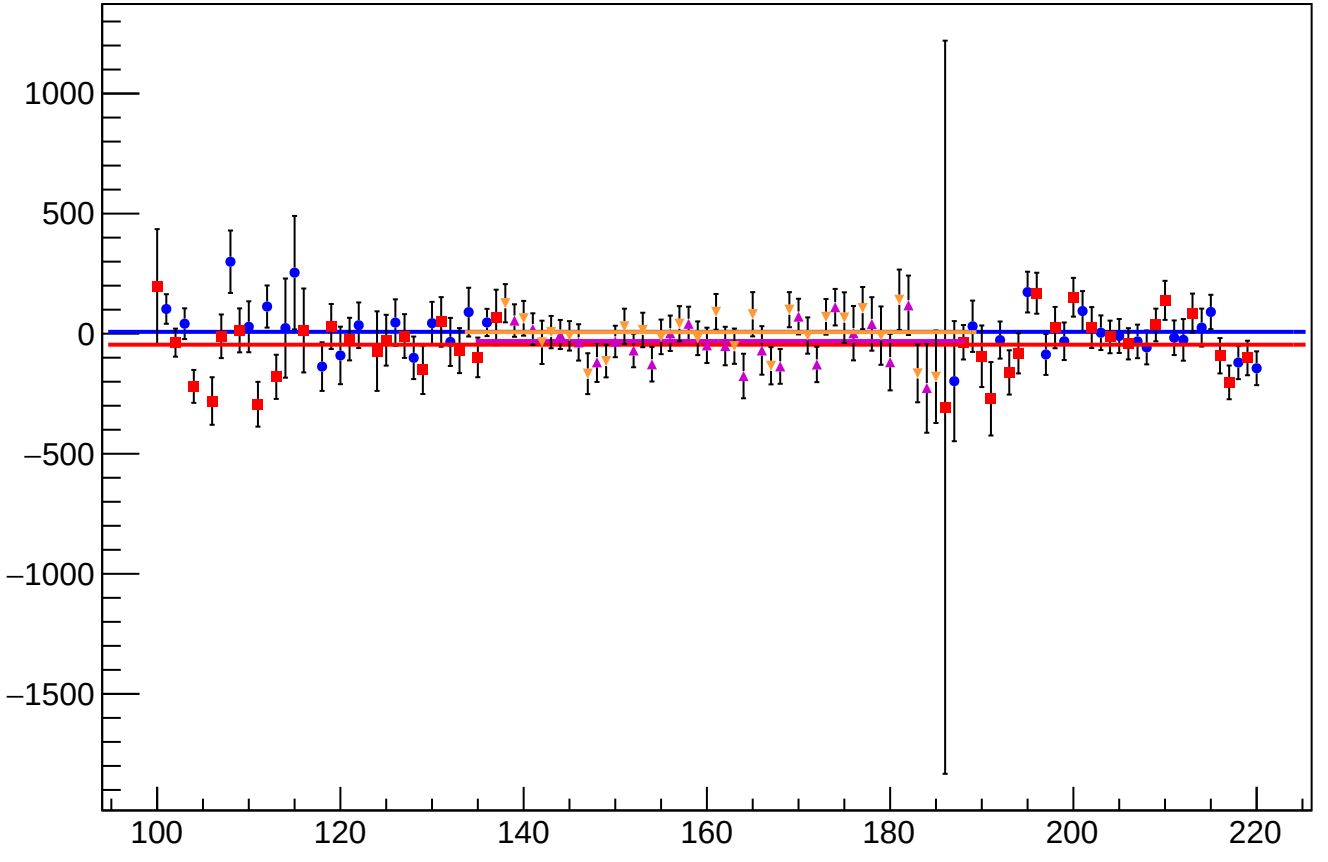
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 212.783+/-0.028 χ^2/NDF: 22517608.9/57

All: 212.344+/-0.020 χ^2/NDF: 44218080.3/11

- sign 211.906+/-0.028 χ^2/NDF: 21699982.0/59

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 7.682+/-14.557 χ^2/NDF: 34.4/32

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -45.784+/-14.398 χ^2/NDF: 60.5/36

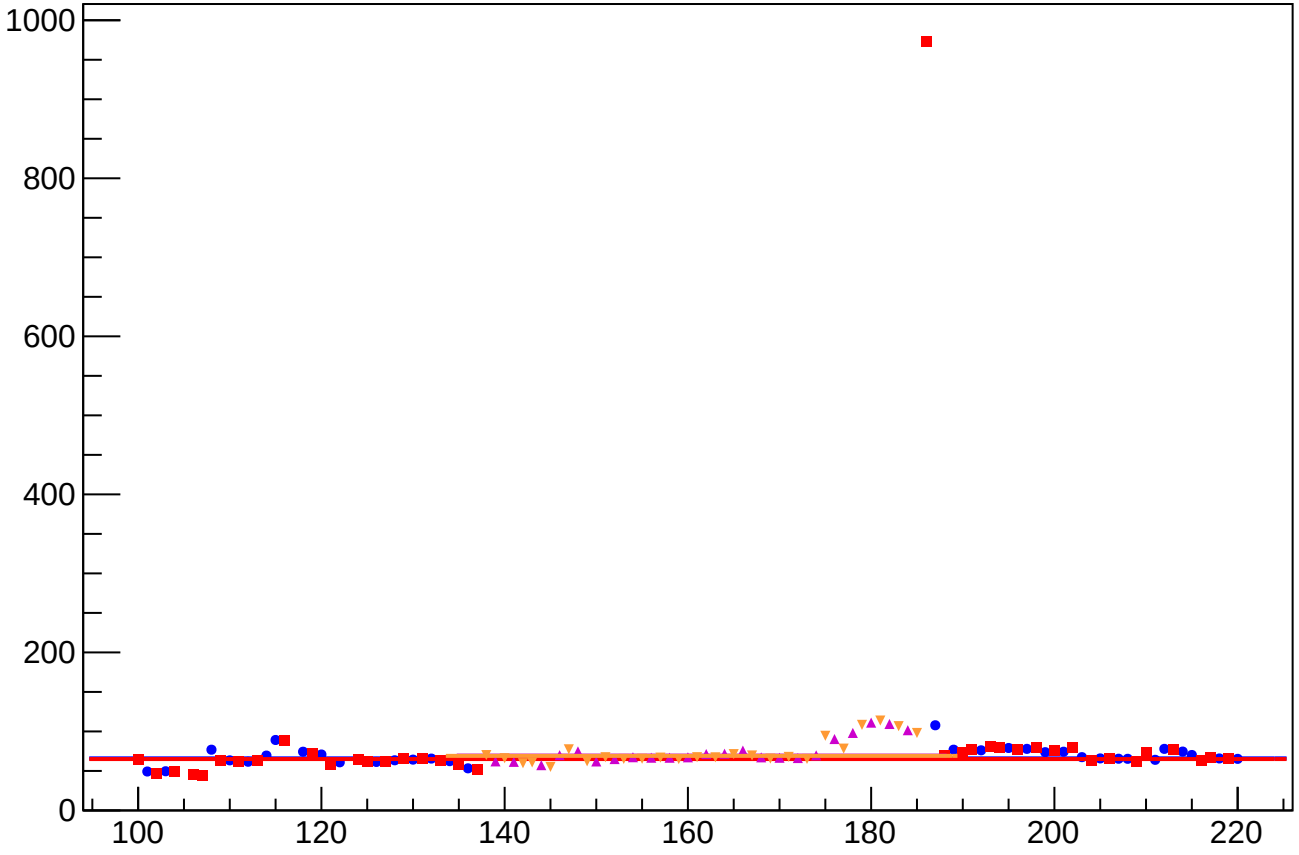
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 7.132+/-10.761 χ^2/NDF: 59.5/57

All: -15.868+/-7.640 χ^2/NDF: 152.2/117

- sign -39.248+/-10.849 χ^2/NDF: 83.4/59

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 65.934+/-0.010 χ^2/NDF: 757839.2/32

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 65.045+/-0.010 χ^2/NDF: 1712574.7/36

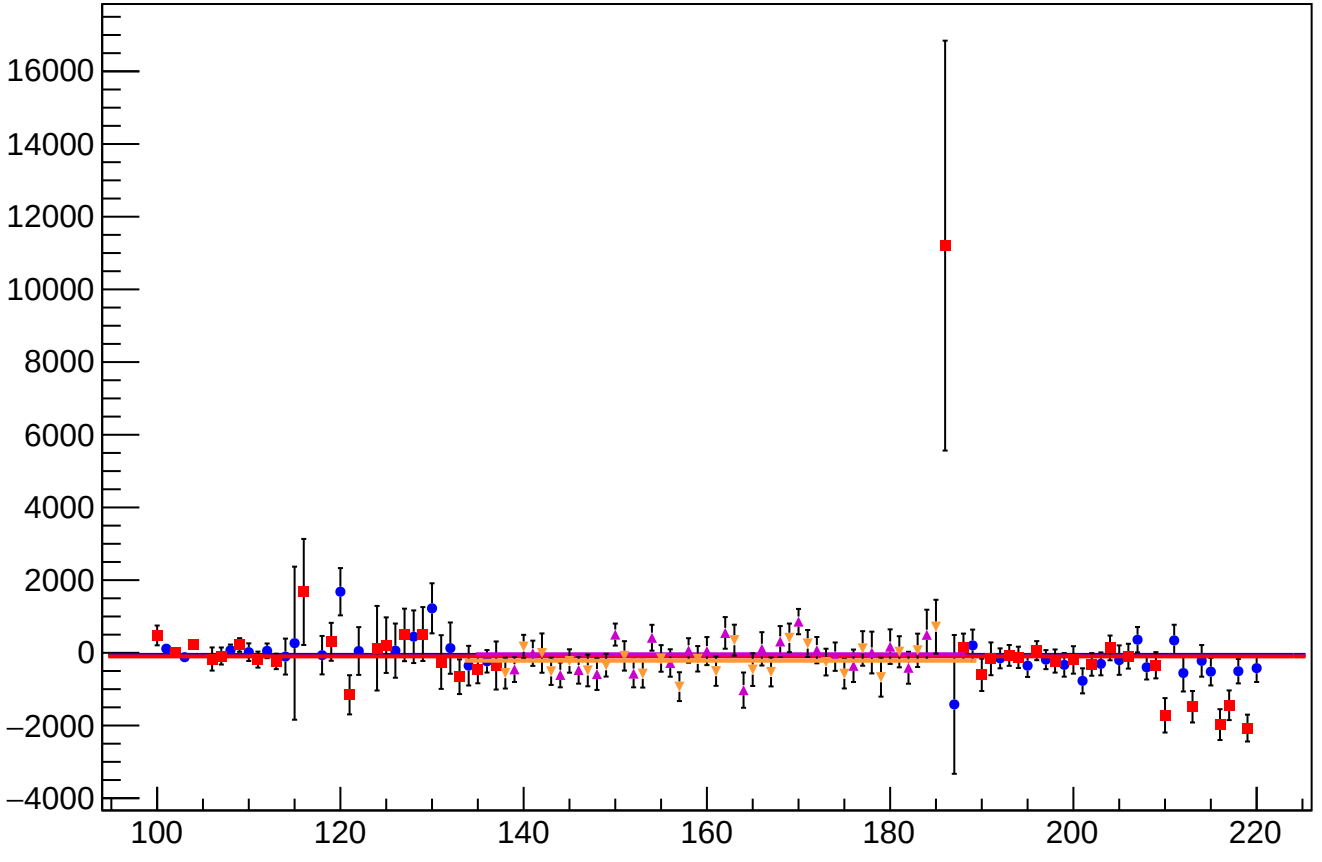
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.360+/-0.008 χ^2/NDF: 1874167.1/57

All: 67.153+/-0.005 χ^2/NDF: 4593237.3/117

- sign 66.943+/-0.008 χ^2/NDF: 2717579.4/59

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: -56.984+/-45.633 χ^2/NDF: 33.2/32

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

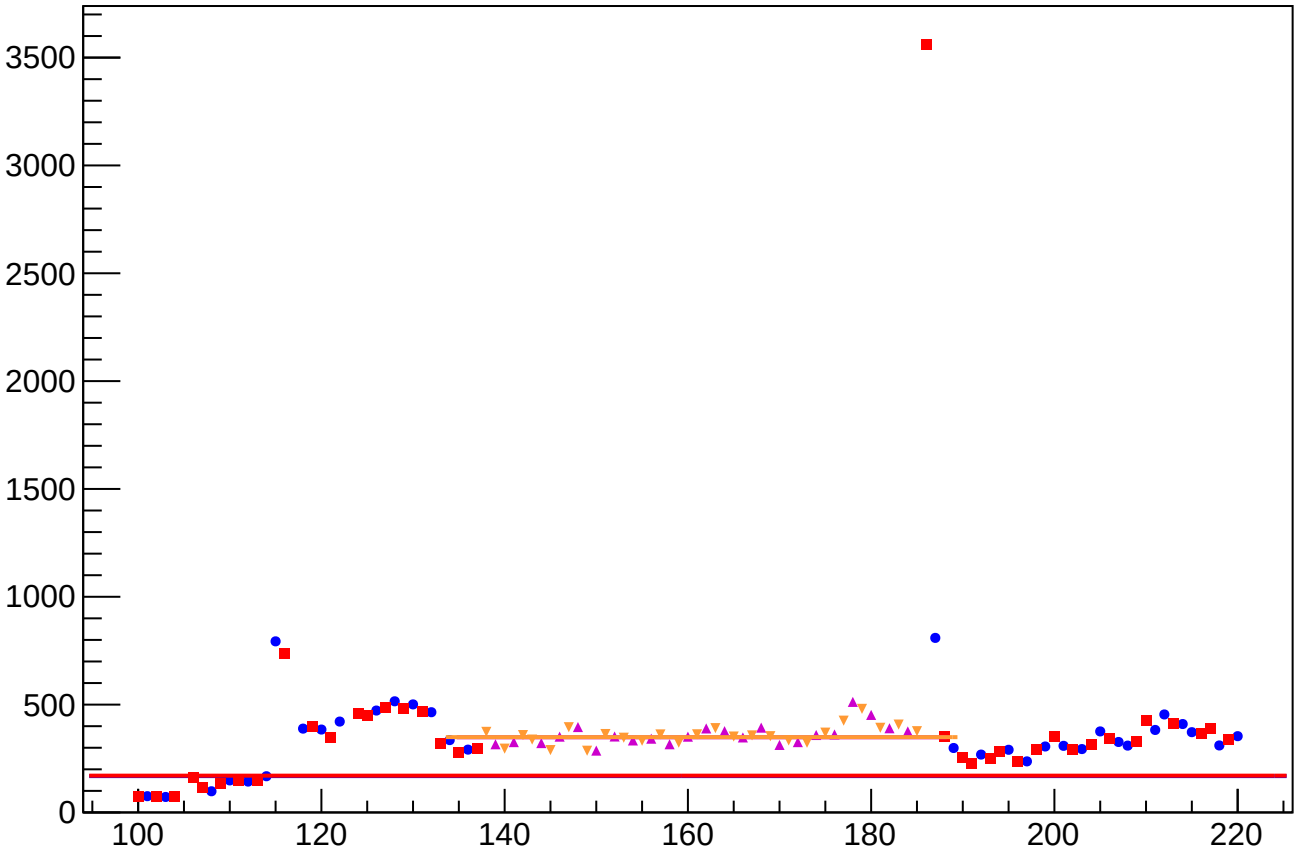
Right Out: -98.233+/-45.203 χ^2/NDF: 117.3/36

Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

\+ sign -96.254+/-39.654 χ^2/NDF: 55.5/57

All: -90.660+/-28.026 χ^2/NDF: 203.2/117

\- sign -85.077+/-39.615 χ^2/NDF: 147.6/59



Right In: 168.551+/-0.032 χ^2/NDF: 14320301.5/32

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 170.637+/-0.032 χ^2/NDF: 13987325.6/36

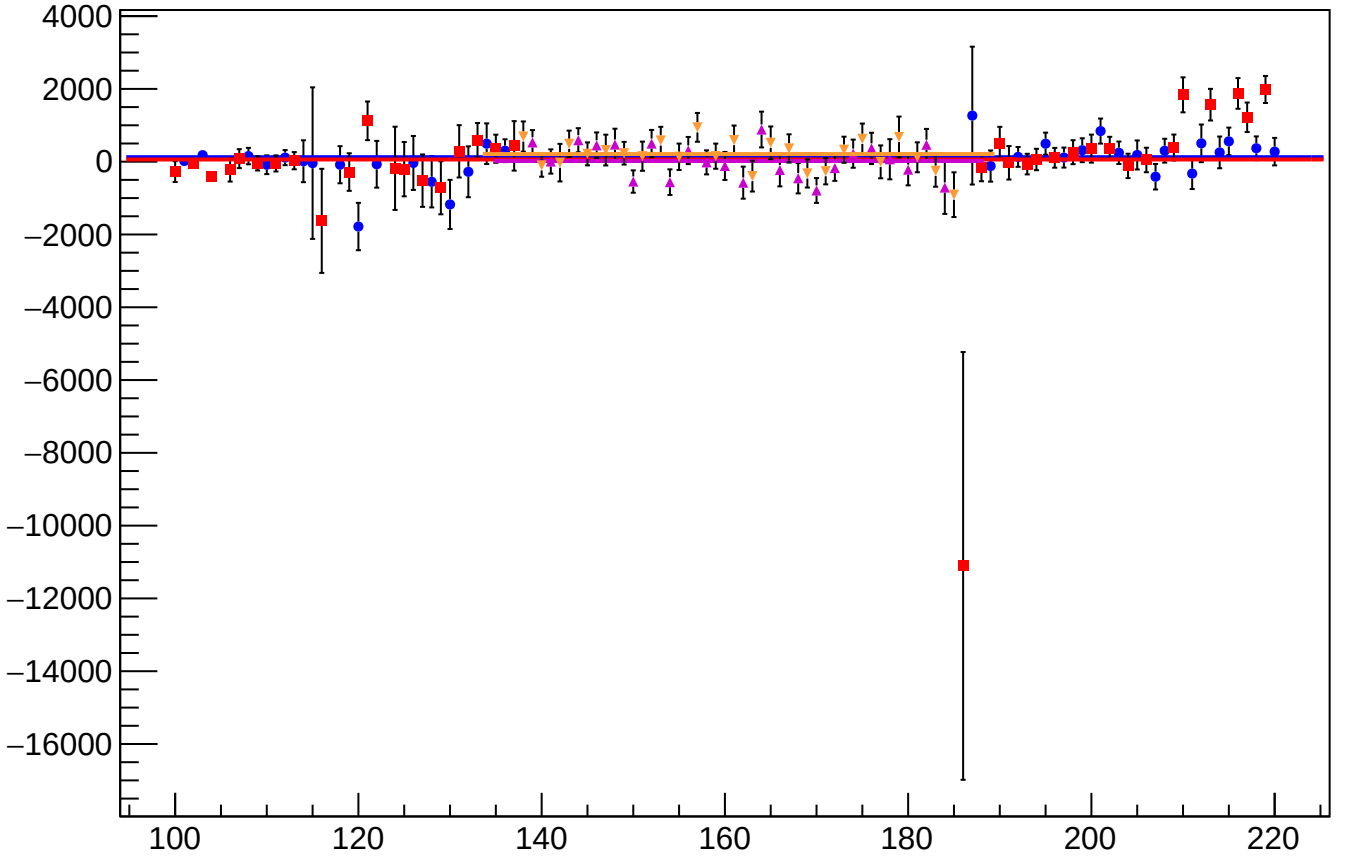
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 212.782+/-0.028 χ^2/NDF: 22517675.8/57

All: 212.343+/-0.020 χ^2/NDF: 44218256.4/11

- sign 211.905+/-0.028 χ^2/NDF: 21700091.0/59

asym_sam_15_avg_mean vs Slug



Right In: 123.158+/-48.858 χ^2/NDF: 30.2/32

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: 60.918+/-48.068 χ^2/NDF: 118.3/36

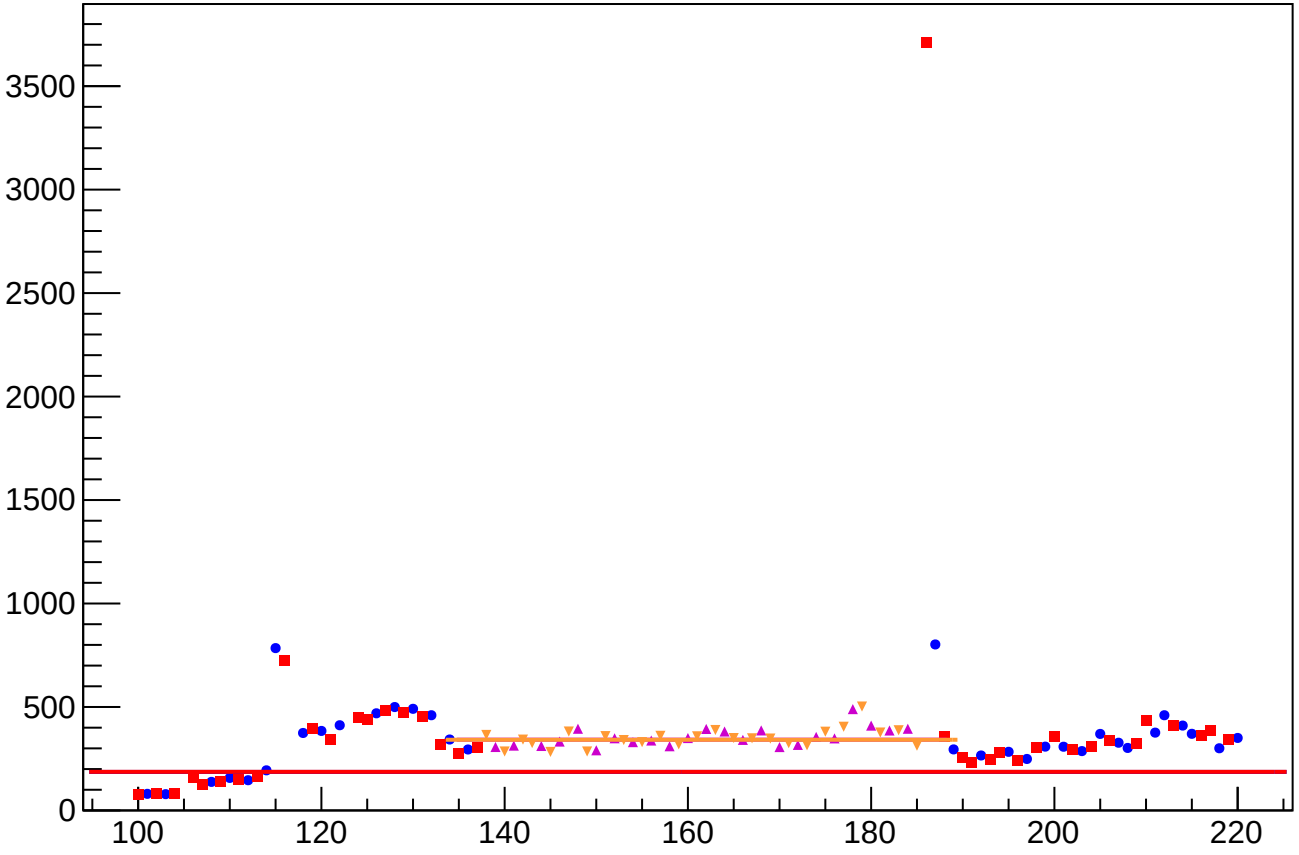
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 147.350+/-41.481 χ^2/NDF: 52.5/57

All: 98.394+/-29.267 χ^2/NDF: 205.8/117

- sign 49.872+/-41.297 χ^2/NDF: 150.5/59

asym_sam_15_avg_rms vs Slug



Right In: 186.074+/-0.035 χ^2/NDF: 12427345.5/32

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

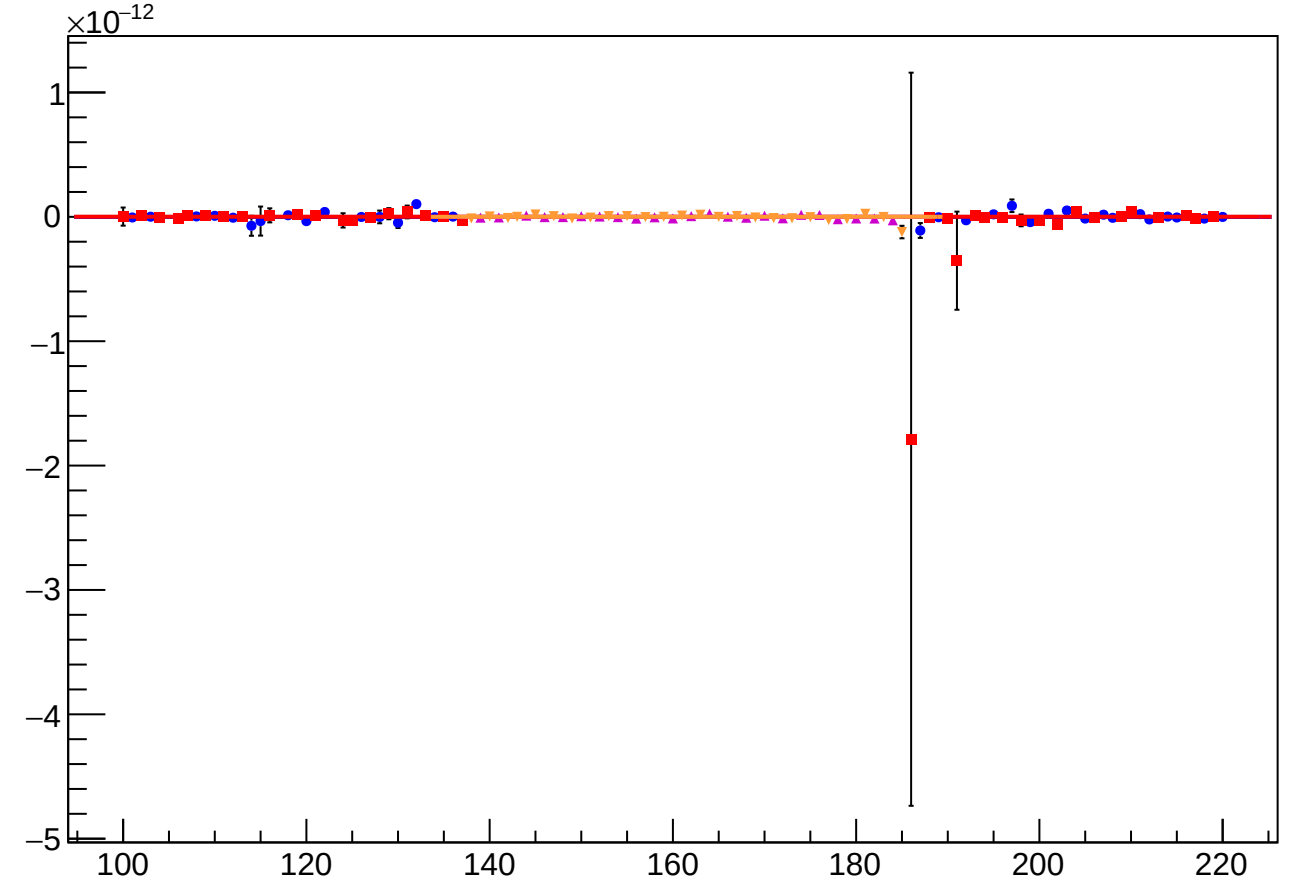
Right Out: 186.674+/-0.034 χ^2/NDF: 12239118.8/36

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 229.486+/-0.029 χ^2/NDF: 18637851.9/57

All: 228.406+/-0.021 χ^2/NDF: 36830104.0/11

- sign 227.336+/-0.029 χ^2/NDF: 18189555.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

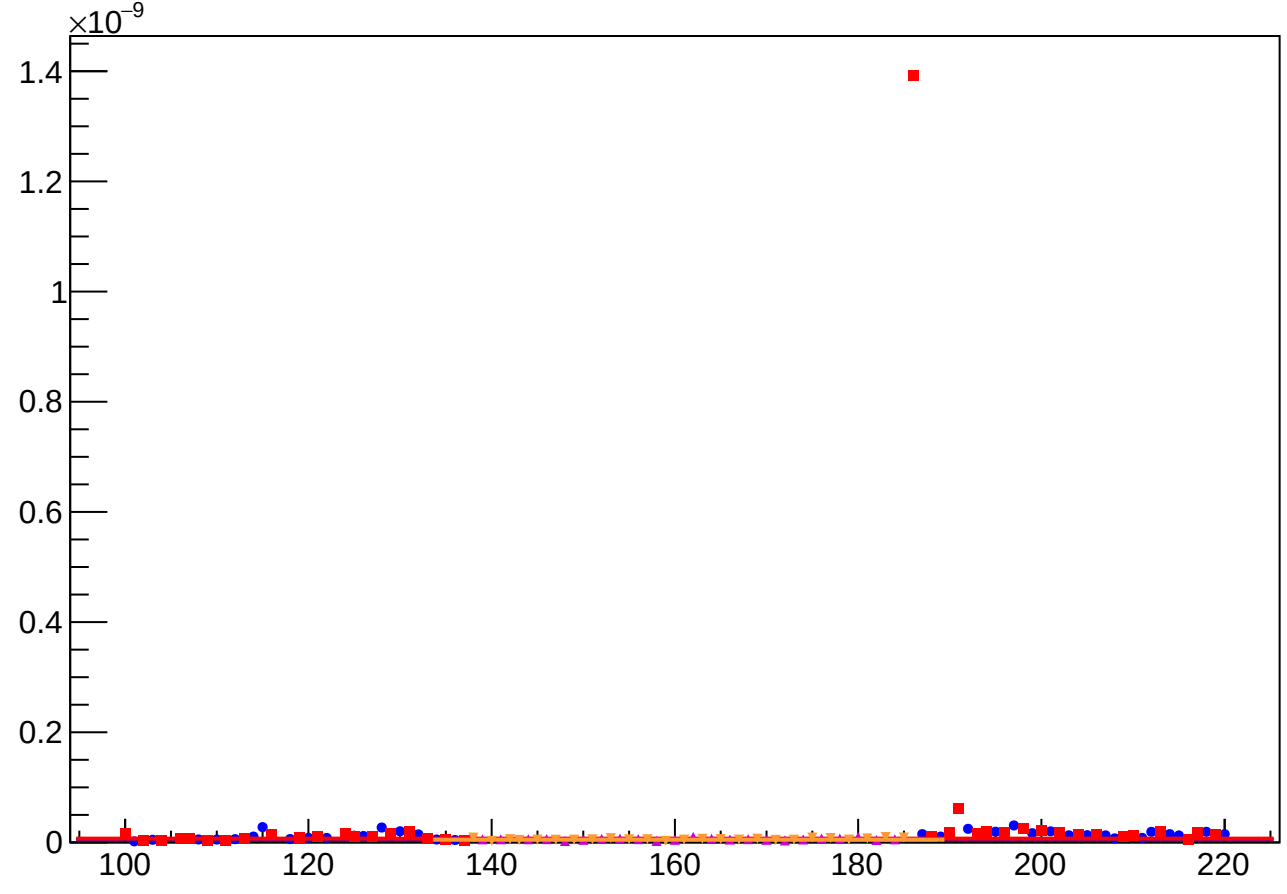
Right Out: 0.000+/-0.000 χ^2/NDF: 25.3/36

Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.0/57

All: -0.000+/-0.000 χ^2/NDF: 113.1/117

- sign -0.000+/-0.000 χ^2/NDF: 46.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 8217139.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6203560.2/36

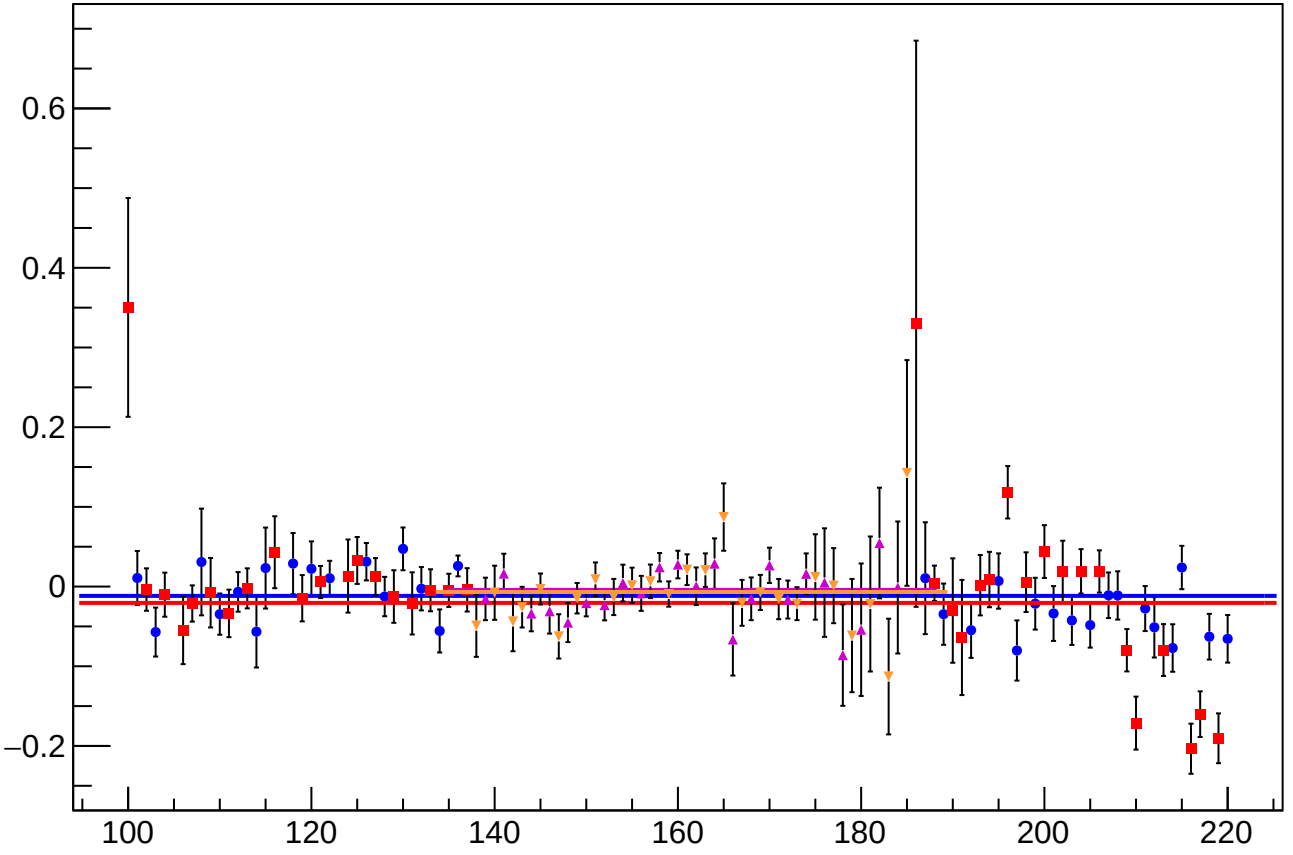
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 9525622.6/57

All: 0.000+/-0.000 χ^2/NDF: 17689806.9/117

- sign 0.000+/-0.000 χ^2/NDF: 8054647.4/59

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.012+/-0.005 χ^2/NDF: 50.8/32

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.020+/-0.005 χ^2/NDF: 167.1/36

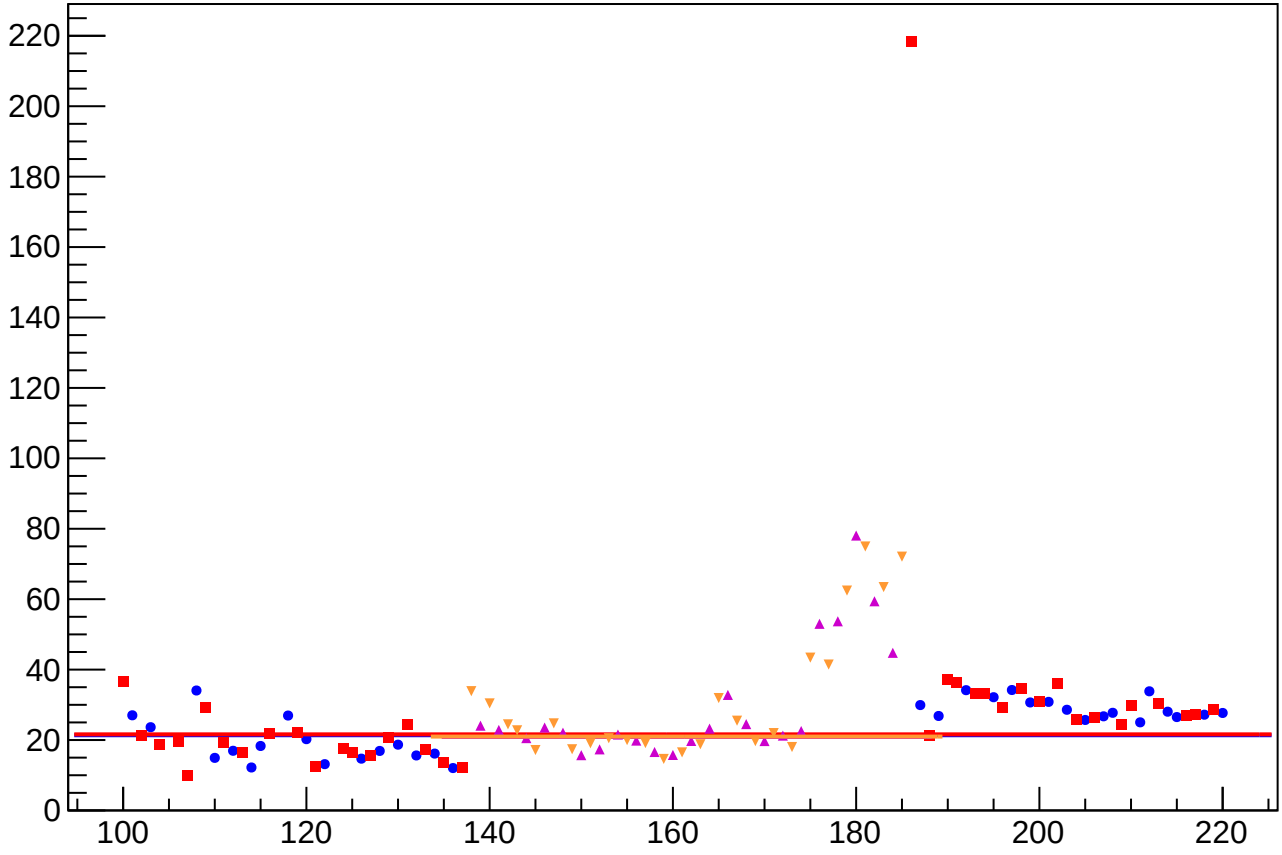
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.009+/-0.004 χ^2/NDF: 73.0/57

All: -0.011+/-0.003 χ^2/NDF: 268.7/117

- sign -0.013+/-0.004 χ^2/NDF: 195.3/59

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 21.362+/-0.004 χ^2/NDF: 4167076.2/32

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

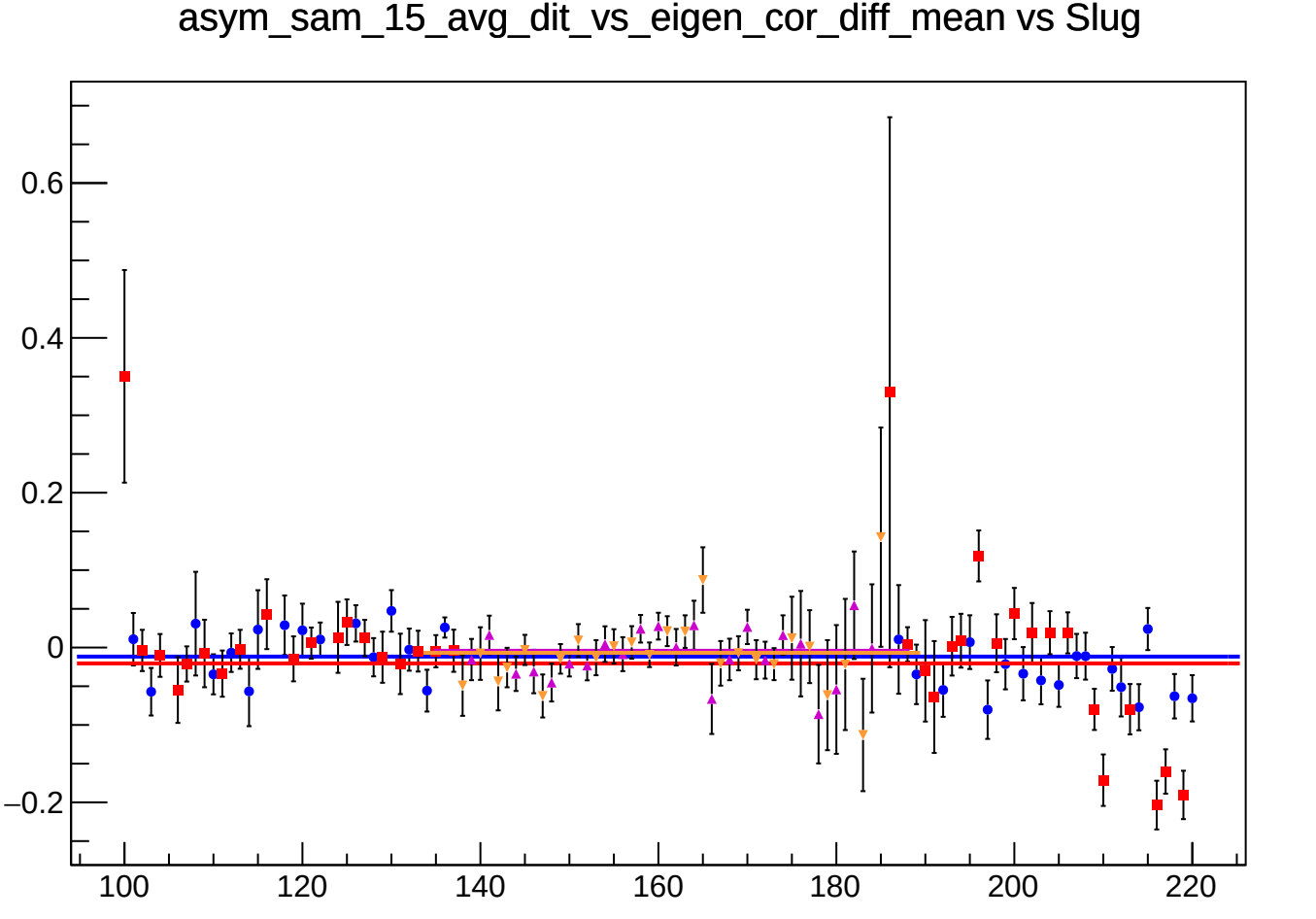
Right Out: 21.614+/-0.004 χ^2/NDF: 4574403.6/36

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

\+ sign 21.178+/-0.003 χ^2/NDF: 8639632.1/57

All: 21.218+/-0.002 χ^2/NDF: 16770228.4/117

\- sign 21.258+/-0.003 χ^2/NDF: 8130109.4/59



Right In: -0.012+/-0.005 χ^2/NDF: 50.8/32

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.020+/-0.005 χ^2/NDF: 167.1/36

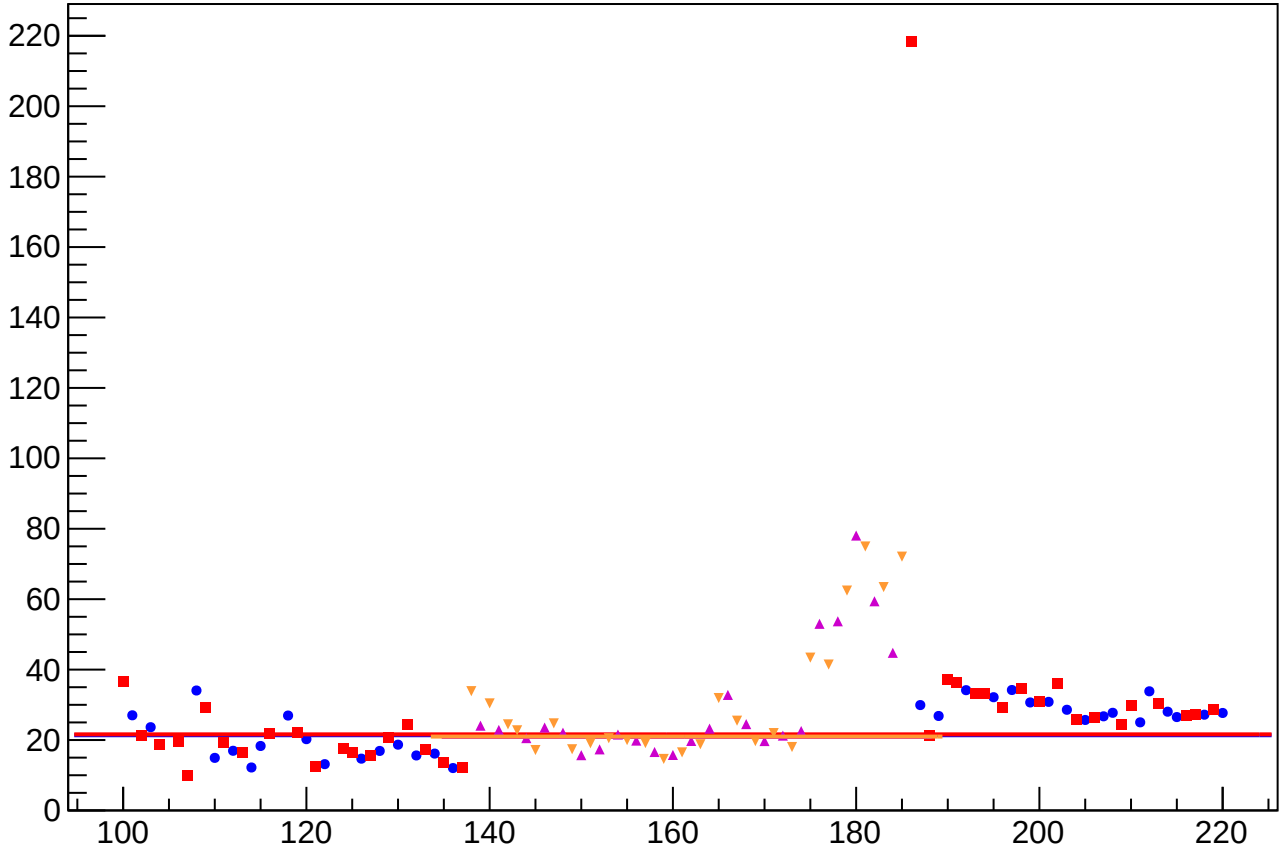
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.009+/-0.004 χ^2/NDF: 73.0/57

All: -0.011+/-0.003 χ^2/NDF: 268.7/117

- sign -0.013+/-0.004 χ^2/NDF: 195.3/59

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 21.362+/-0.004 χ^2/NDF: 4167076.2/32

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

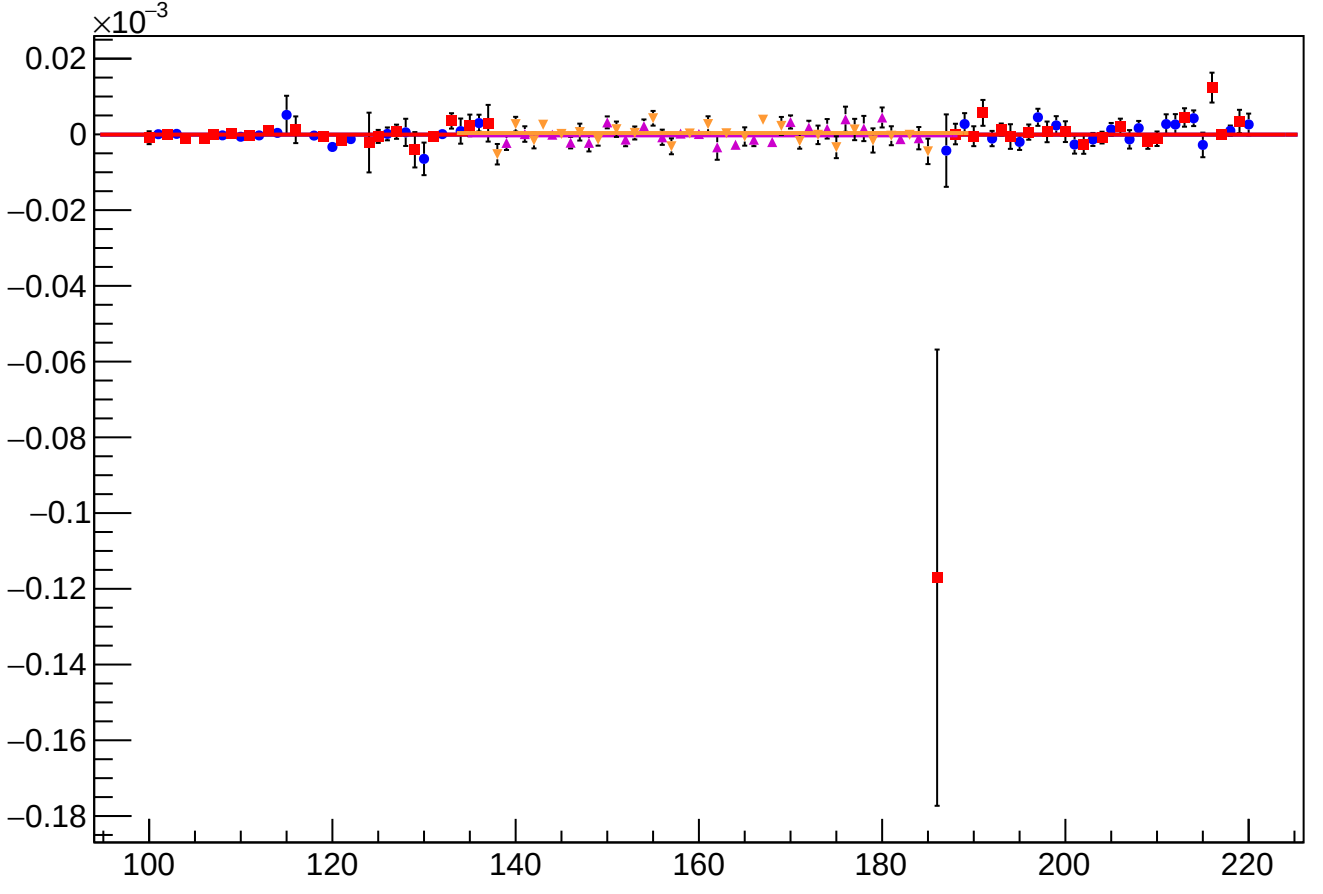
Right Out: 21.614+/-0.004 χ^2/NDF: 4574403.6/36

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

\+ sign 21.178+/-0.003 χ^2/NDF: 8639632.1/57

All: 21.218+/-0.002 χ^2/NDF: 16770228.4/117

\- sign 21.258+/-0.003 χ^2/NDF: 8130109.4/59



Right In: -0.000+/-0.000 χ^2/NDF: 34.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

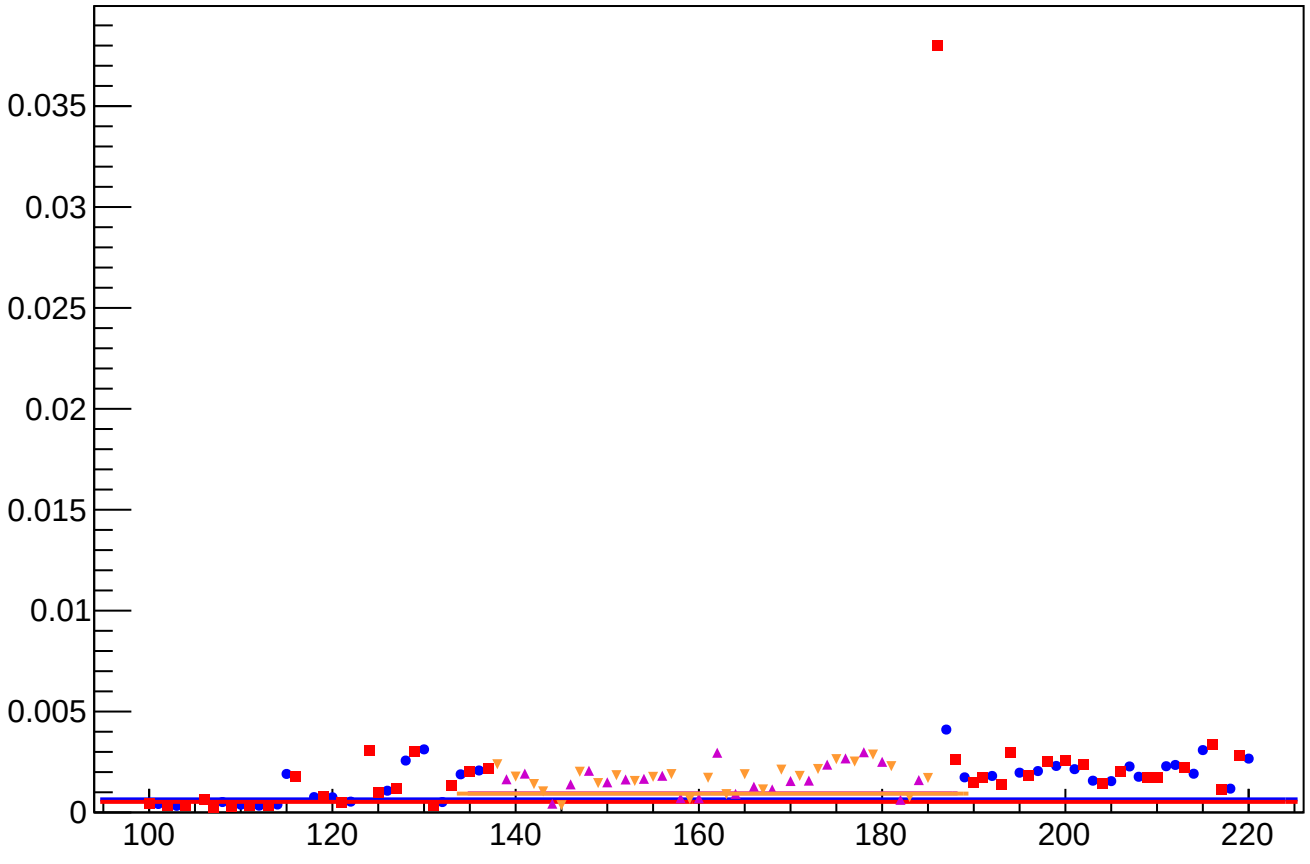
Right Out: -0.000+/-0.000 χ^2/NDF: 46.2/36

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.4/57

All: -0.000+/-0.000 χ^2/NDF: 149.6/117

- sign -0.000+/-0.000 χ^2/NDF: 78.3/59



Right In: 0.001+/-0.000 χ^2/NDF: 17556562.2/32

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

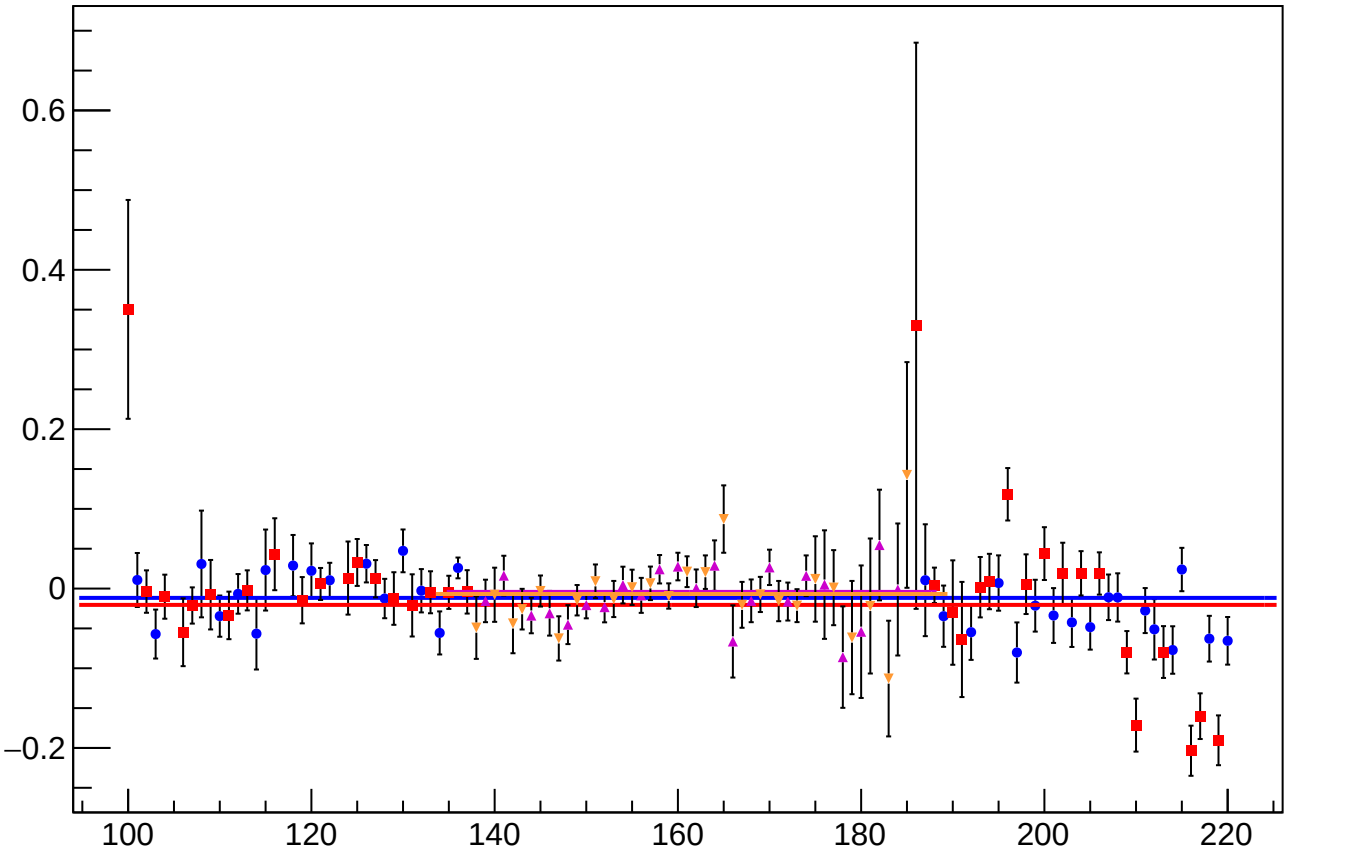
Right Out: 0.001+/-0.000 χ^2/NDF: 20615922.5/36

Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 31092012.4/57

All: 0.001+/-0.000 χ^2/NDF: 65412419.6/117

- sign 0.001+/-0.000 χ^2/NDF: 33809151.8/59



Right In: -0.012+/-0.005 χ^2/NDF: 50.8/32

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: -0.020+/-0.005 χ^2/NDF: 167.1/36

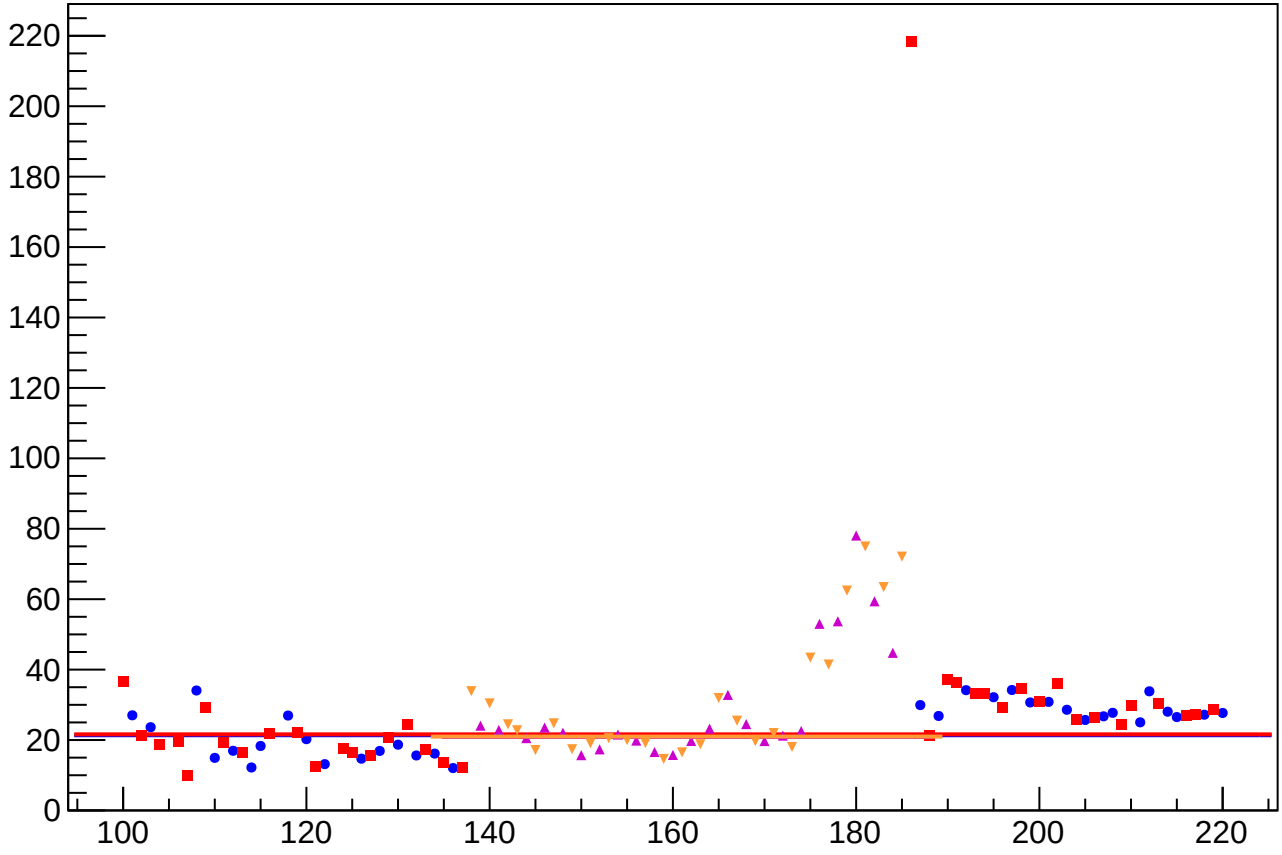
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.009+/-0.004 χ^2/NDF: 73.0/57

All: -0.011+/-0.003 χ^2/NDF: 268.7/117

- sign -0.013+/-0.004 χ^2/NDF: 195.3/59

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 21.362+/-0.004 χ^2/NDF: 4167055.7/32

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

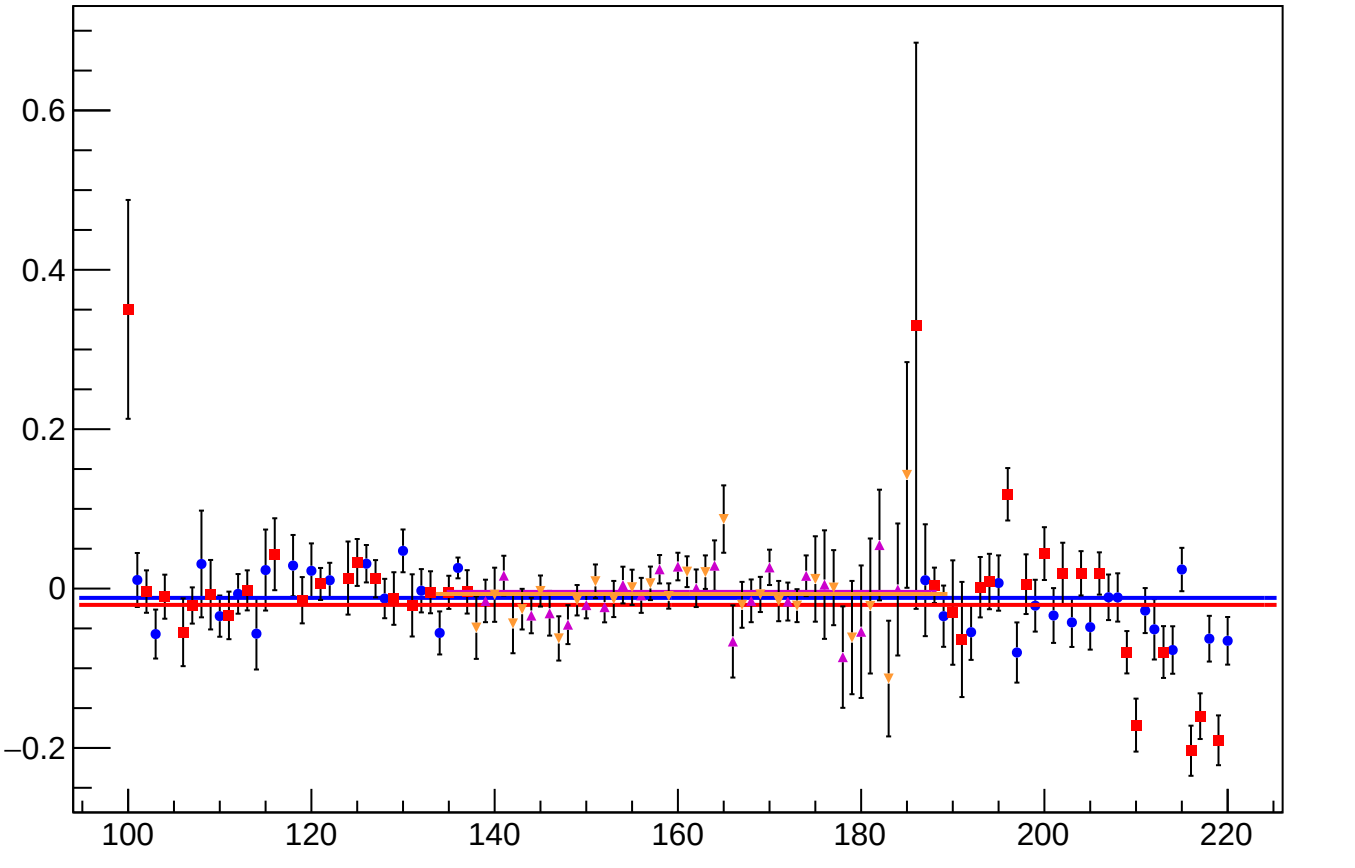
Right Out: 21.614+/-0.004 χ^2/NDF: 4574408.5/36

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 21.178+/-0.003 χ^2/NDF: 8639574.4/57

All: 21.218+/-0.002 χ^2/NDF: 16770200.8/117

- sign 21.258+/-0.003 χ^2/NDF: 8130140.3/59



Right In: -0.012+/-0.005 χ^2/NDF: 50.8/32

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

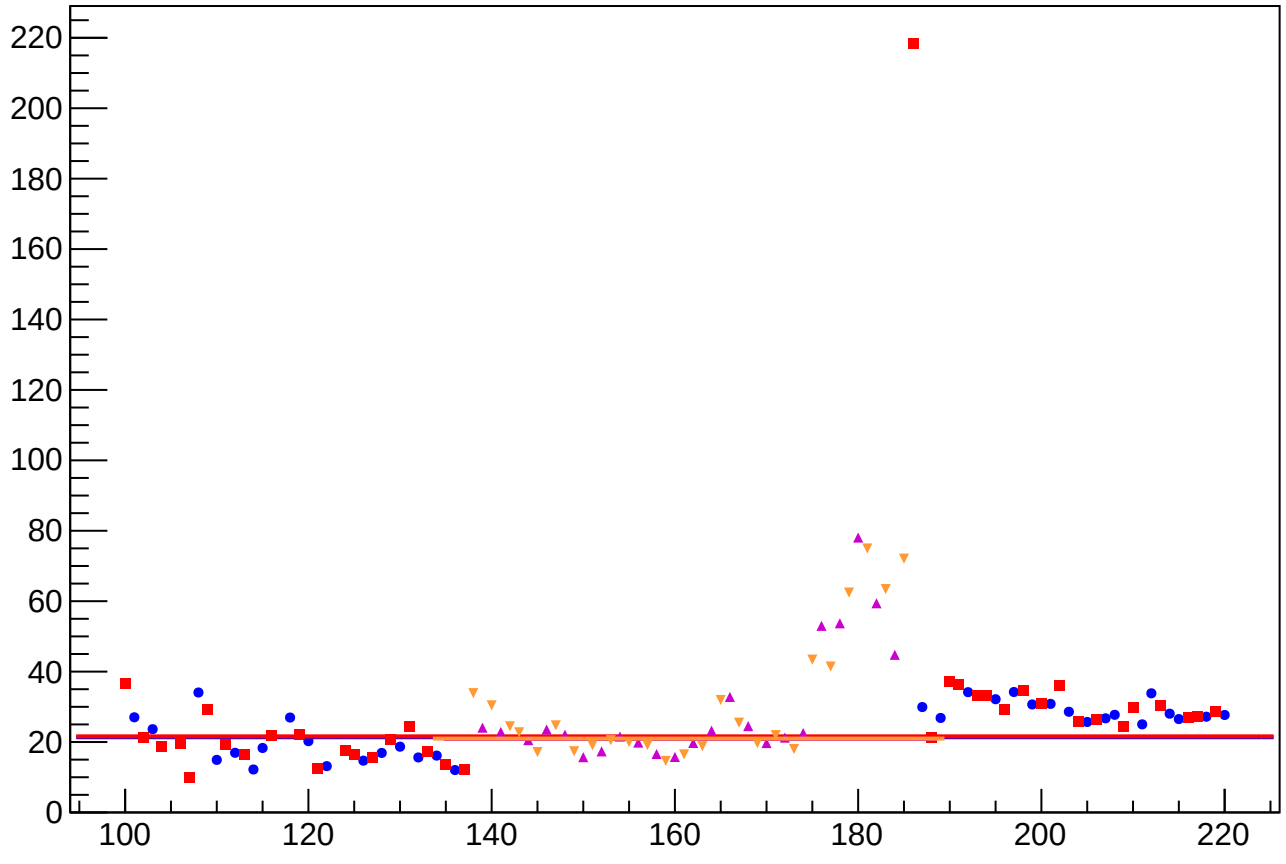
Right Out: -0.020+/-0.005 χ^2/NDF: 167.1/36

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.009+/-0.004 χ^2/NDF: 73.0/57

All: -0.011+/-0.003 χ^2/NDF: 268.7/117

- sign -0.013+/-0.004 χ^2/NDF: 195.3/59



Right In: 21.362+/-0.004 χ^2/NDF: 4167055.7/32

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

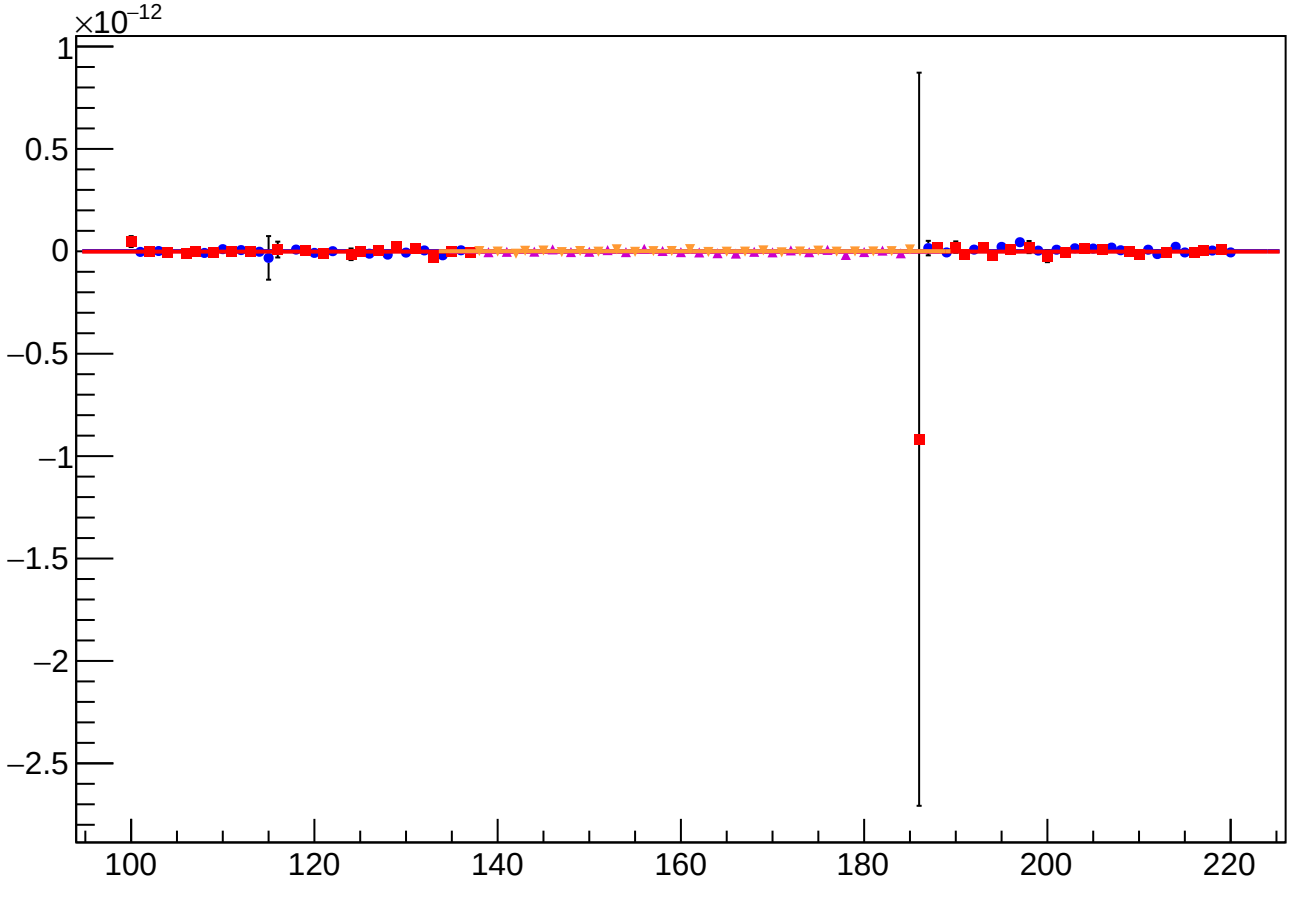
Right Out: 21.614+/-0.004 χ^2/NDF: 4574408.5/36

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 21.178+/-0.003 χ^2/NDF: 8639574.4/57

All: 21.218+/-0.002 χ^2/NDF: 16770200.8/117

- sign 21.258+/-0.003 χ^2/NDF: 8130140.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 28.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

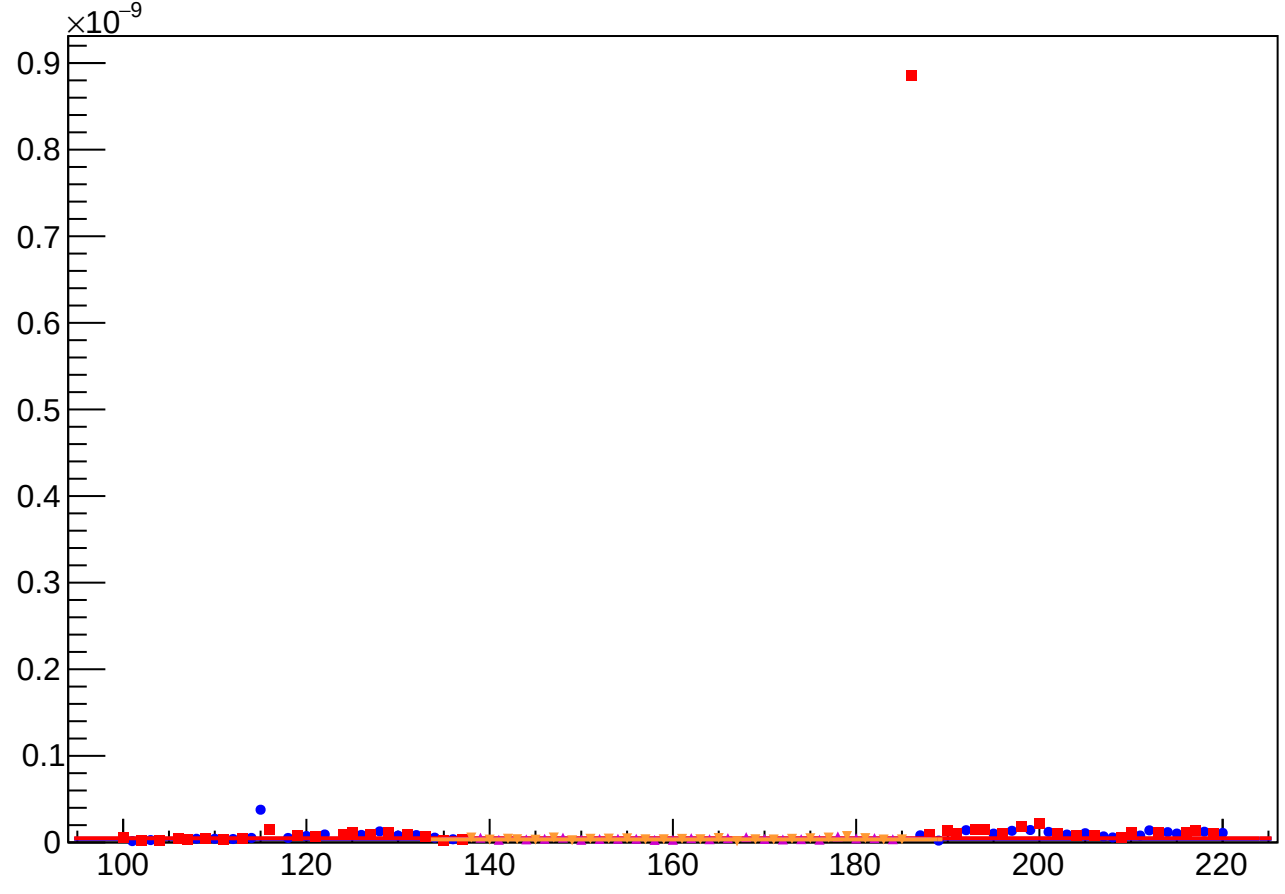
Right Out: -0.000+/-0.000 χ^2/NDF: 27.9/36

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.5/57

All: -0.000+/-0.000 χ^2/NDF: 99.8/117

- sign -0.000+/-0.000 χ^2/NDF: 54.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 10239557.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9796801.5/36

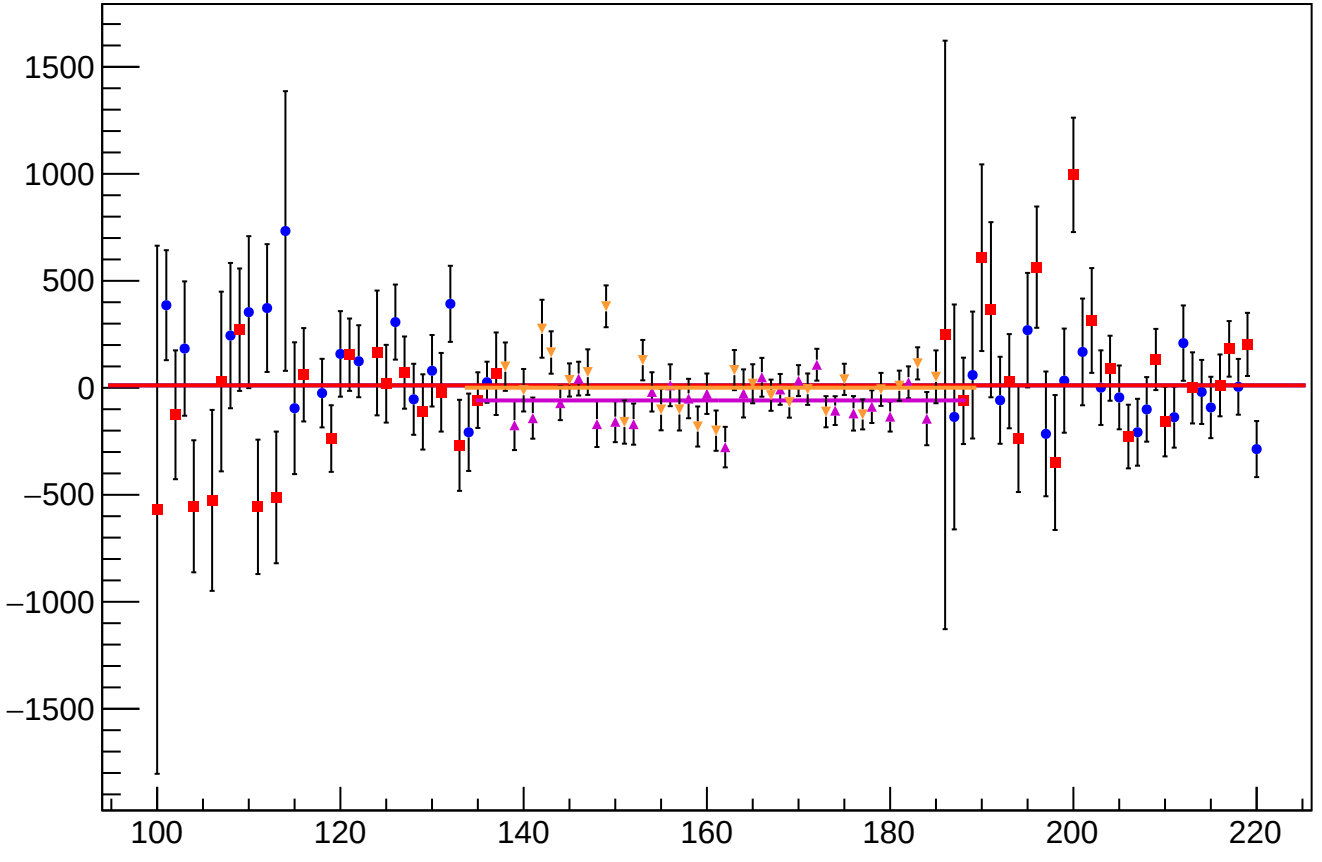
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13022590.7/57

All: 0.000+/-0.000 χ^2/NDF: 24738411.3/117

- sign 0.000+/-0.000 χ^2/NDF: 11445042.5/59

reg_asym_sam_26_avg_mean vs Slug



Right In: 11.399+/-31.727 χ^2/NDF: 29.8/32

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 11.481+/-33.304 χ^2/NDF: 50.8/36

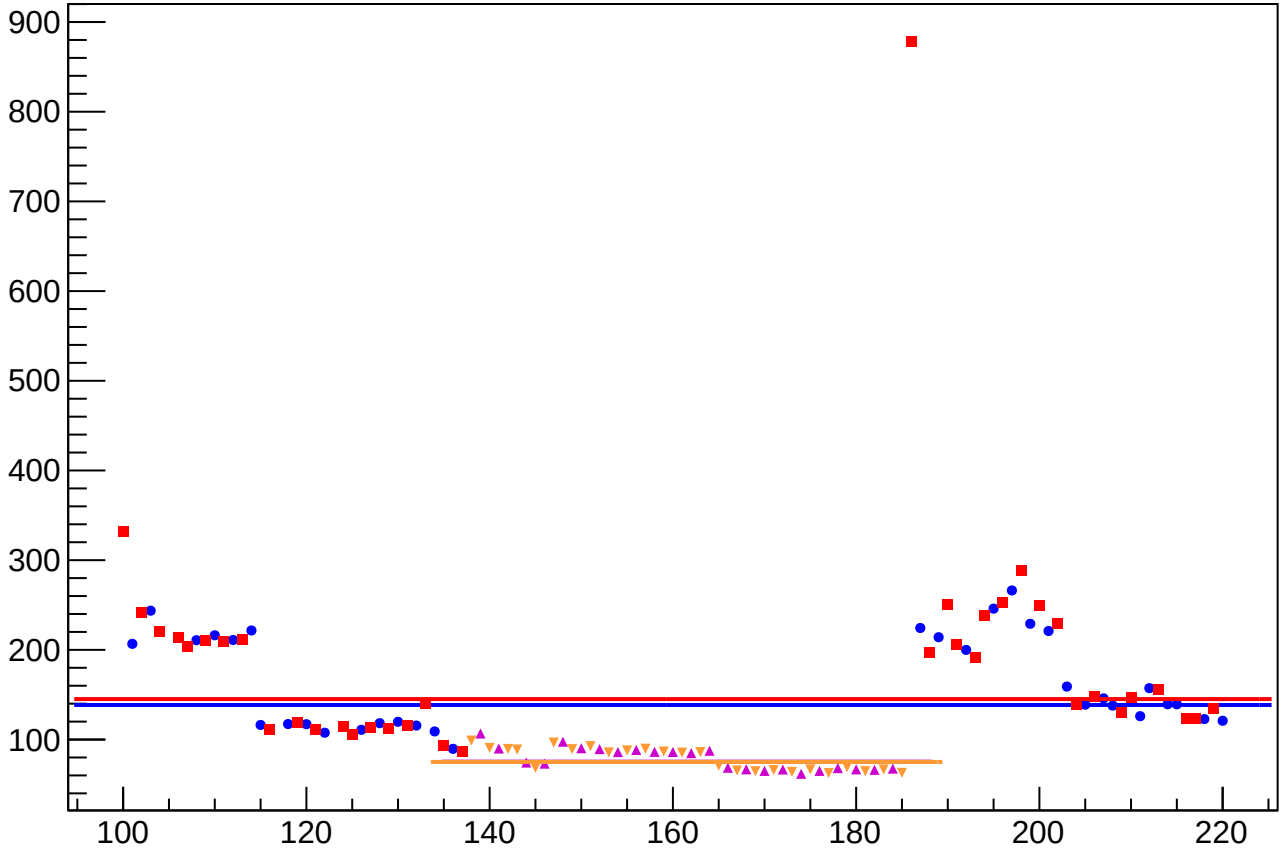
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 3.078+/-15.202 χ^2/NDF: 78.5/57

All: -19.218+/-10.939 χ^2/NDF: 163.0/117

- sign -43.160+/-15.753 χ^2/NDF: 80.1/59

reg_asym_sam_26_avg_rms vs Slug



Right In: 138.542+/-0.022 χ^2/NDF: 3250683.0/32

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

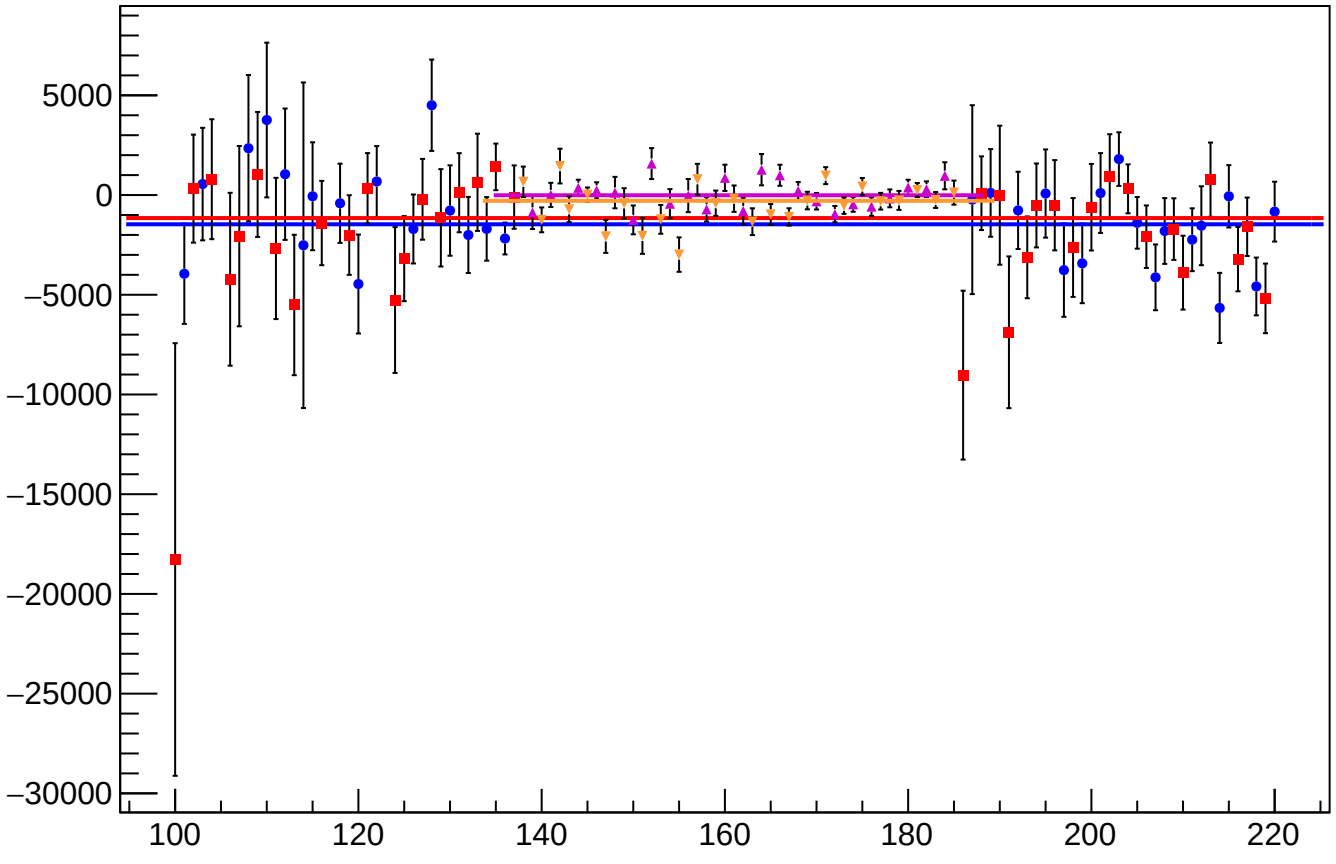
Right Out: 145.145+/-0.024 χ^2/NDF: 4360480.6/36

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 89.620+/-0.011 χ^2/NDF: 10351441.1/57

All: 90.269+/-0.008 χ^2/NDF: 22375365.3/117

- sign 90.966+/-0.011 χ^2/NDF: 12016363.3/59



Right In: -1466.799+/-316.839 χ^2/NDF: 40.1/32

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -1154.022+/-339.361 χ^2/NDF: 36.5/36

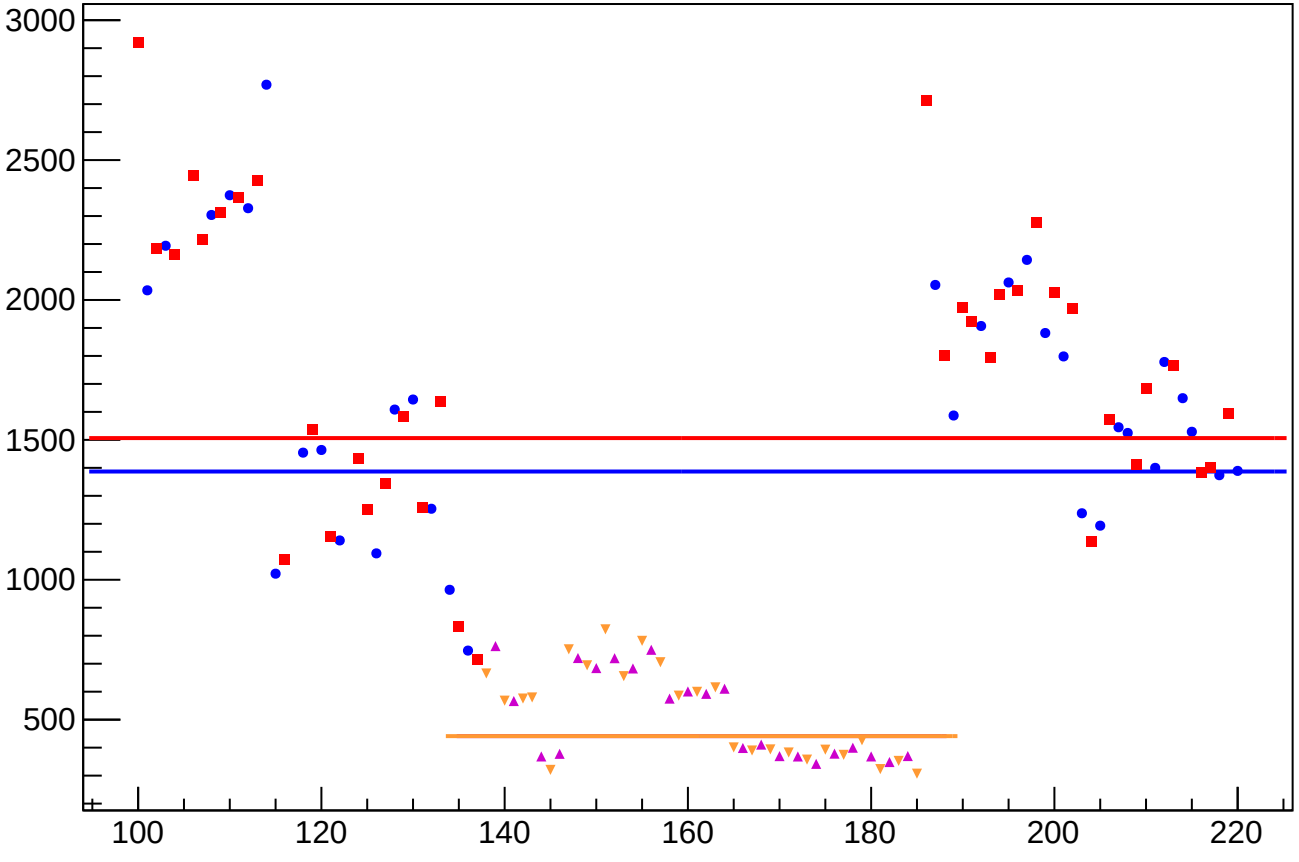
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -405.185+/-99.867 χ^2/NDF: 105.8/57

All: -264.151+/-71.573 χ^2/NDF: 190.2/117

- sign -115.211+/-102.628 χ^2/NDF: 80.2/59

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1386.896+/-0.224 χ^2/NDF: 3433704.7/32

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1506.369+/-0.240 χ^2/NDF: 3412906.3/36

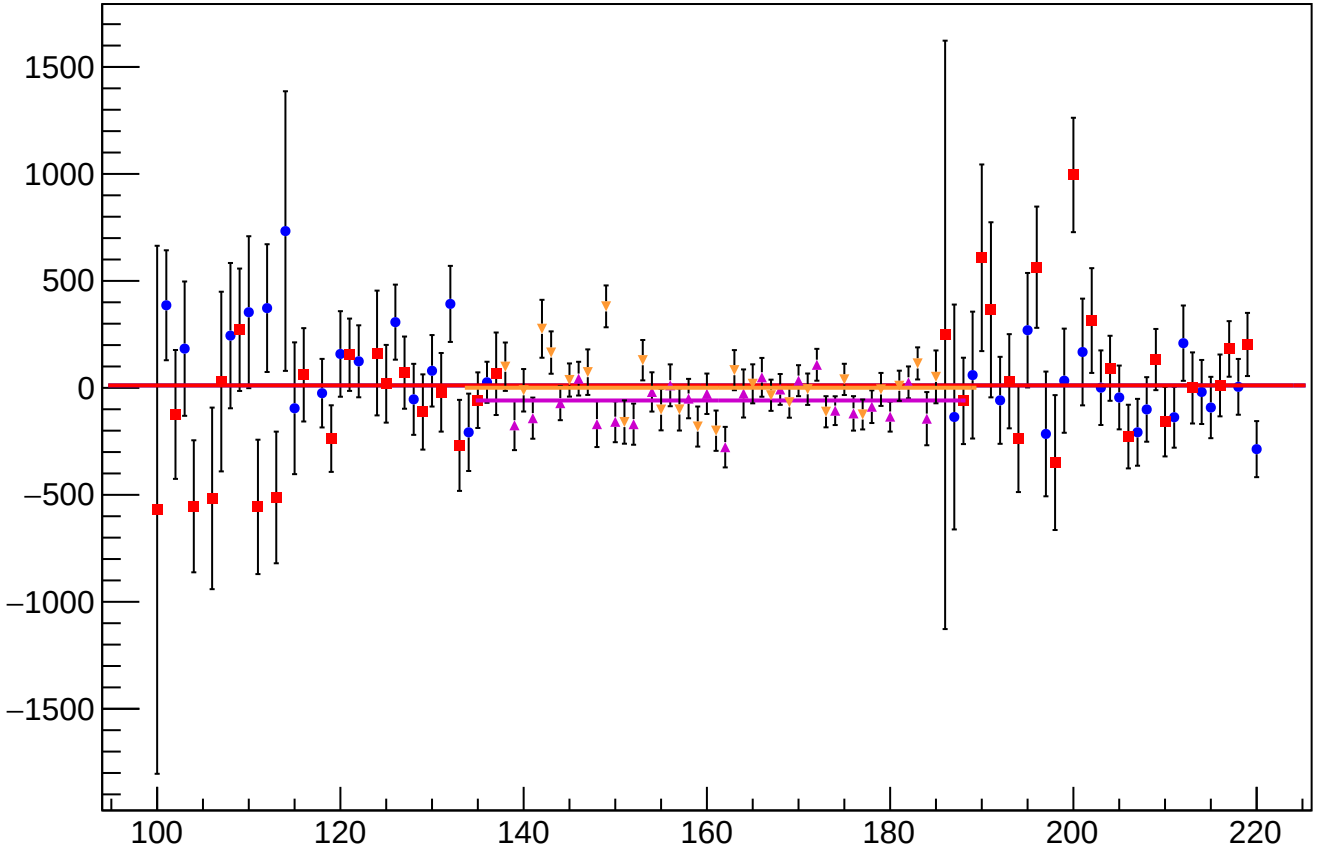
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

\+ sign 535.091+/-0.071 χ^2/NDF: 22718438.7/57

All: 536.803+/-0.051 χ^2/NDF: 46716288.0/11

\- sign 538.612+/-0.073 χ^2/NDF: 23996640.2/59

cor_asym_sam_26_avg_mean vs Slug



Right In: 11.390+/-31.727 χ^2/NDF: 29.8/32

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 11.587+/-33.305 χ^2/NDF: 50.7/36

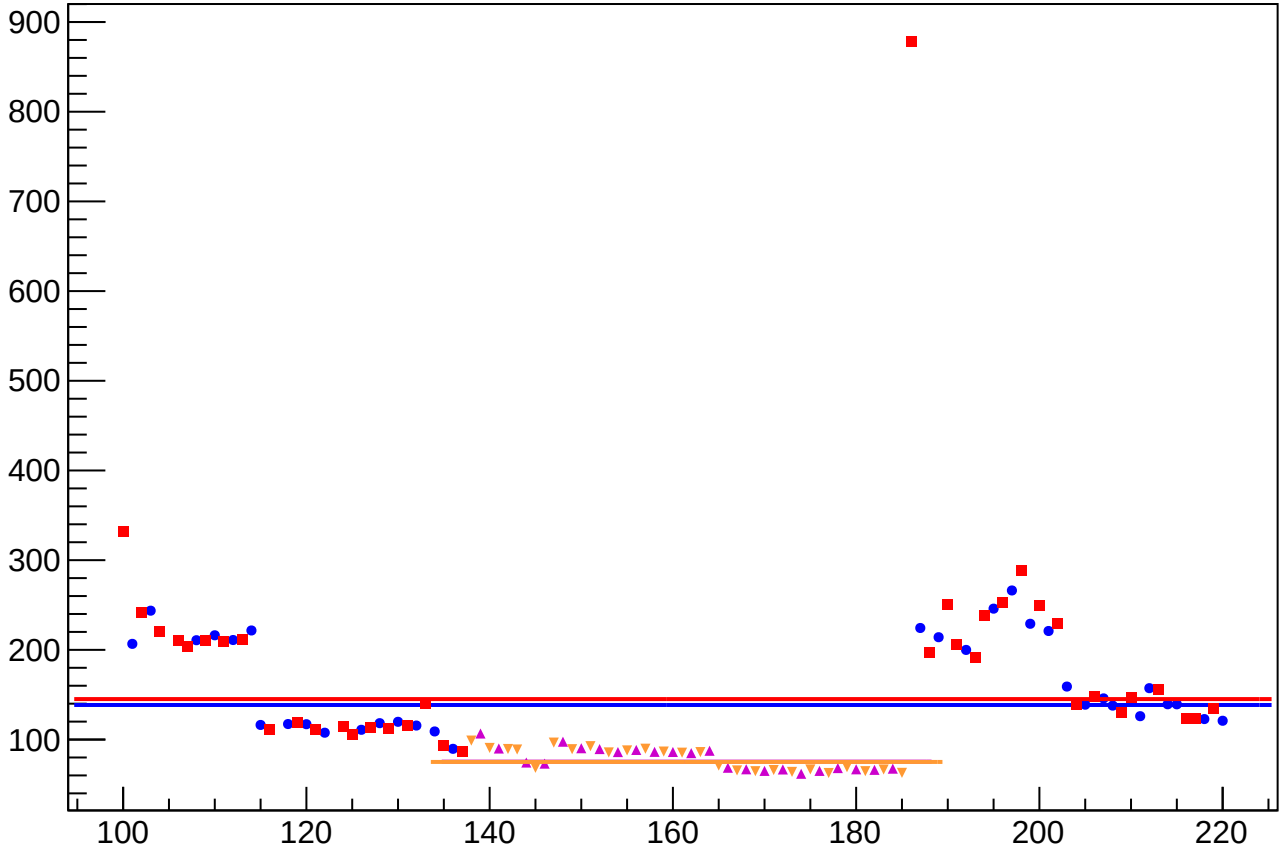
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 3.075+/-15.202 χ^2/NDF: 78.5/57

All: -19.207+/-10.939 χ^2/NDF: 163.0/117

- sign -43.135+/-15.753 χ^2/NDF: 80.0/59

cor_asym_sam_26_avg_rms vs Slug



Right In: 138.542+/-0.022 χ^2/NDF: 3250685.5/32

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

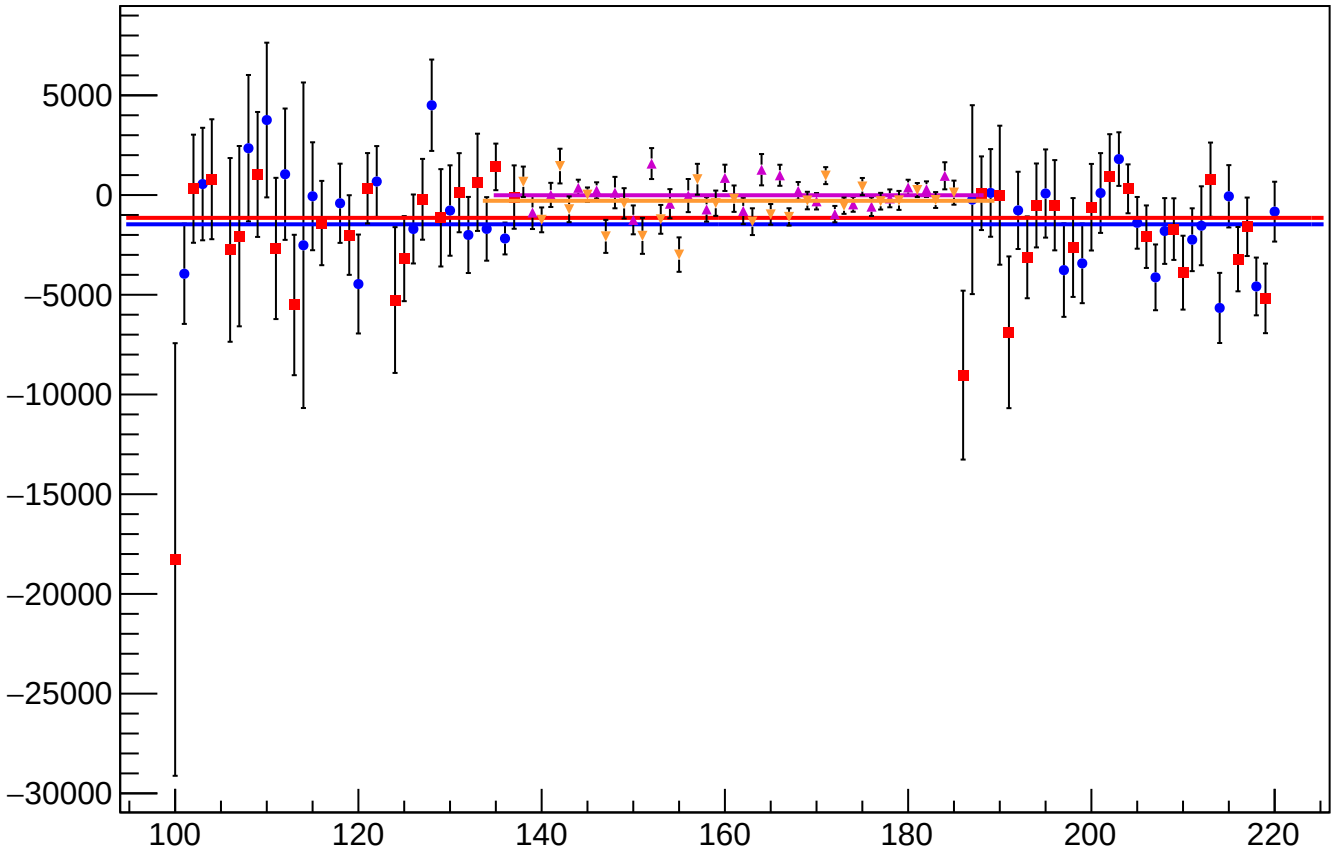
Right Out: 145.124+/-0.024 χ^2/NDF: 4355830.3/36

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 89.620+/-0.011 χ^2/NDF: 10351443.1/57

All: 90.266+/-0.008 χ^2/NDF: 22366102.5/117

- sign 90.961+/-0.011 χ^2/NDF: 12007160.7/59



Right In: -1466.795+/-316.839 χ^2/NDF: 40.1/32

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -1143.985+/-339.484 χ^2/NDF: 36.1/36

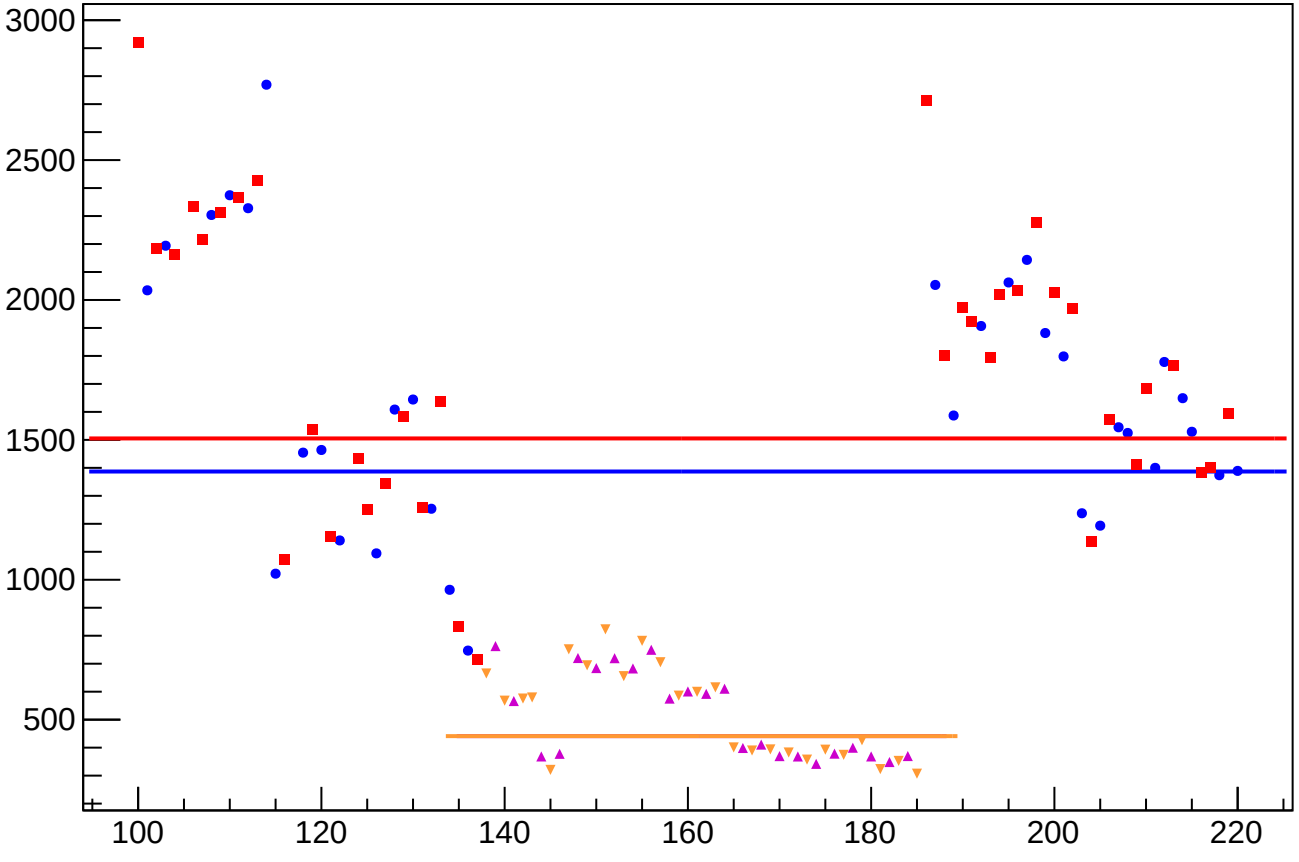
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -405.184+/-99.867 χ^2/NDF: 105.9/57

All: -263.676+/-71.574 χ^2/NDF: 189.6/117

- sign -114.226+/-102.631 χ^2/NDF: 79.6/59

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1386.896+/-0.224 χ^2/NDF: 3433735.3/32

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1505.123+/-0.240 χ^2/NDF: 3384254.8/36

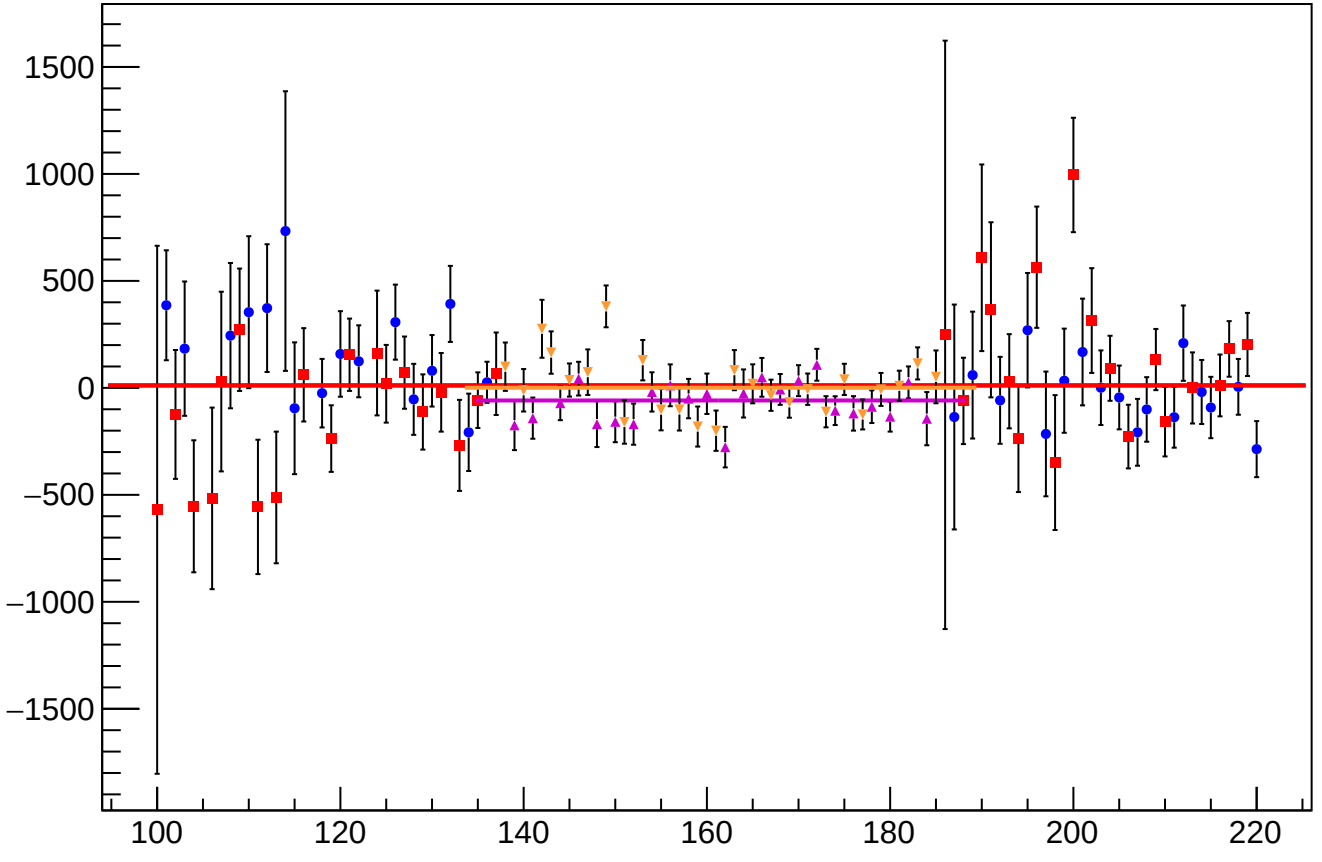
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 535.091+/-0.071 χ^2/NDF: 22718446.8/57

All: 536.717+/-0.051 χ^2/NDF: 46633907.5/11

- sign 538.434+/-0.073 χ^2/NDF: 23914370.7/59

eigen_cor_asym_sam_26_avg_mean vs Slug



Right In: 11.390+/-31.727 χ^2/NDF: 29.8/32

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: 11.587+/-33.305 χ^2/NDF: 50.7/36

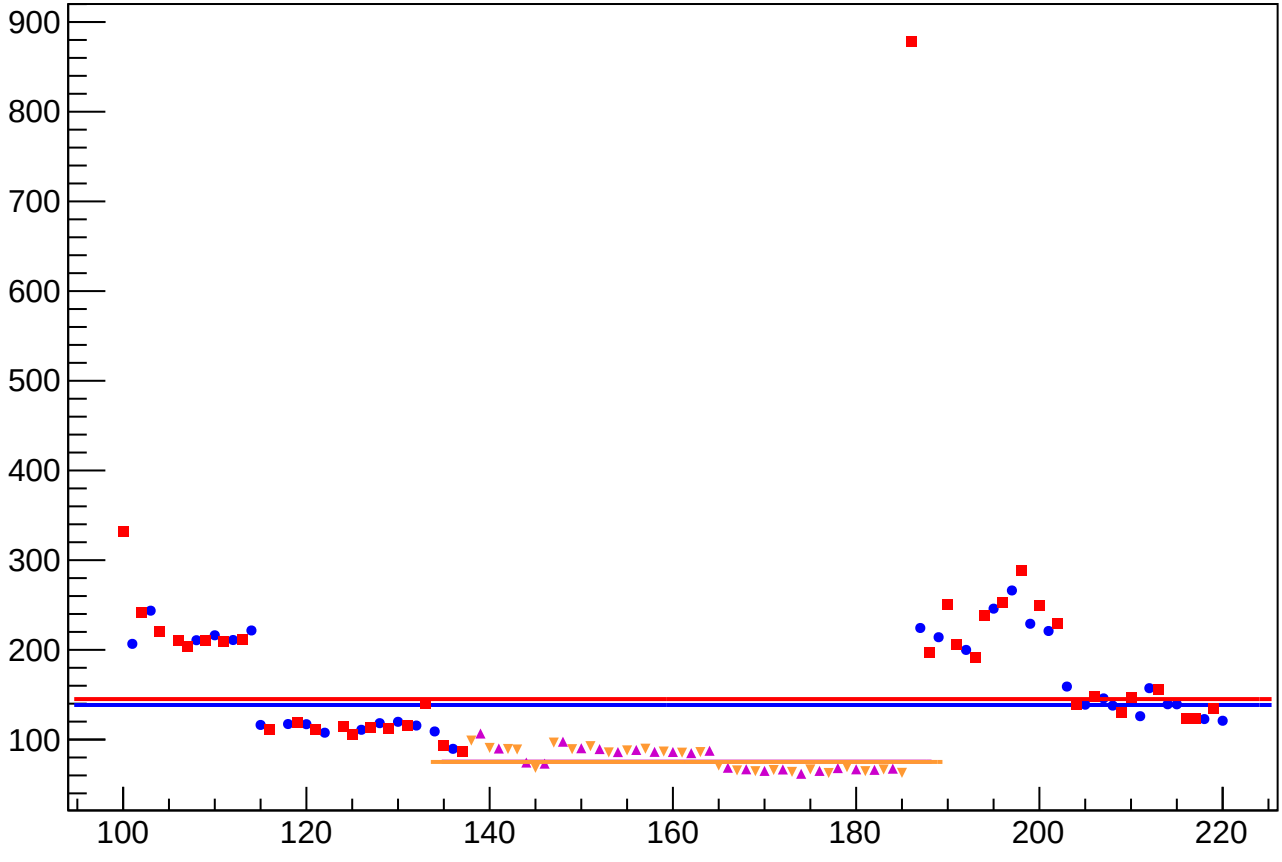
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 3.075+/-15.202 χ^2/NDF: 78.5/57

All: -19.207+/-10.939 χ^2/NDF: 163.0/117

- sign -43.135+/-15.753 χ^2/NDF: 80.0/59

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 138.542+/-0.022 χ^2/NDF: 3250685.5/32

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

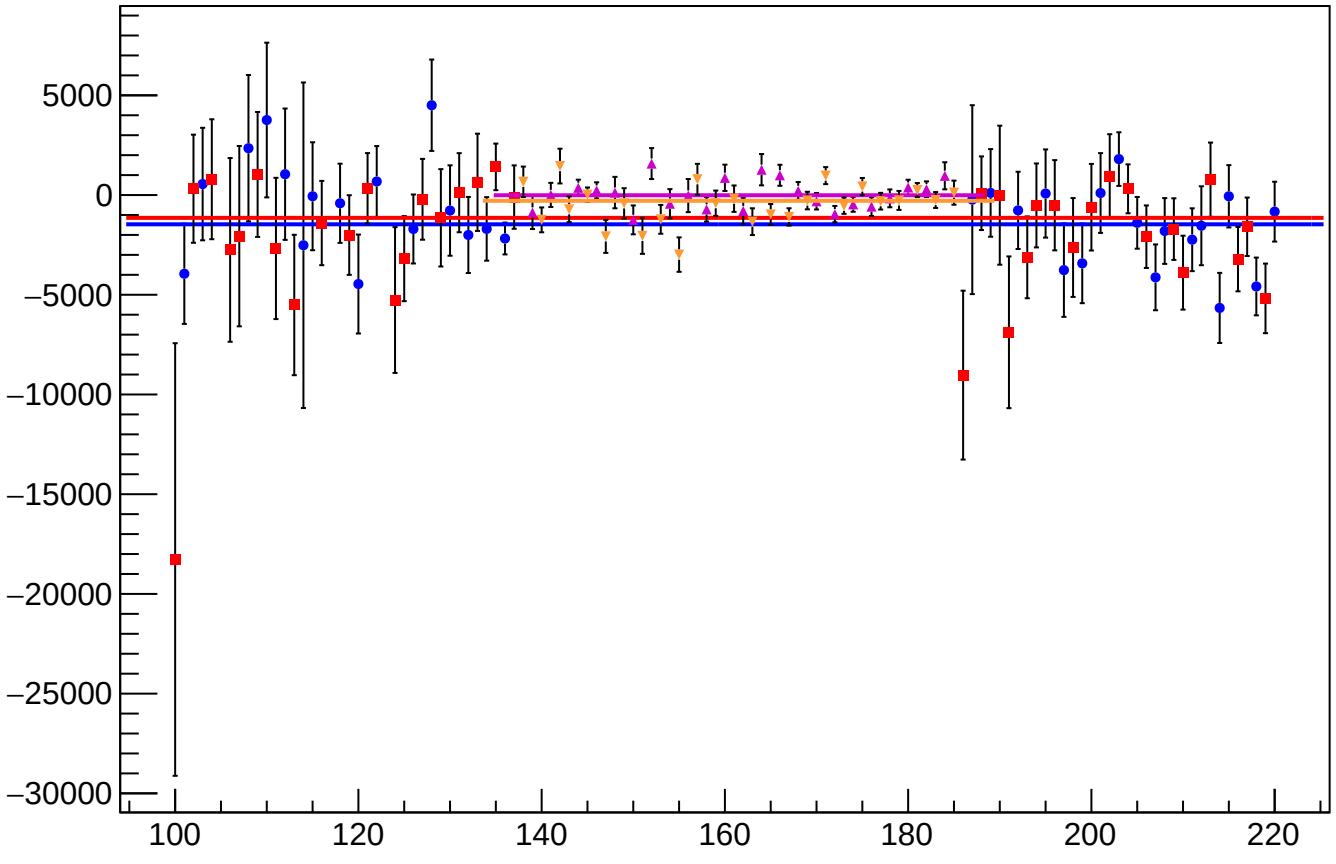
Right Out: 145.124+/-0.024 χ^2/NDF: 4355830.3/36

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 89.620+/-0.011 χ^2/NDF: 10351443.1/57

All: 90.266+/-0.008 χ^2/NDF: 22366102.5/117

- sign 90.961+/-0.011 χ^2/NDF: 12007160.7/59



Right In: -1466.795+/-316.839 χ^2/NDF: 40.1/32

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -1143.985+/-339.484 χ^2/NDF: 36.1/36

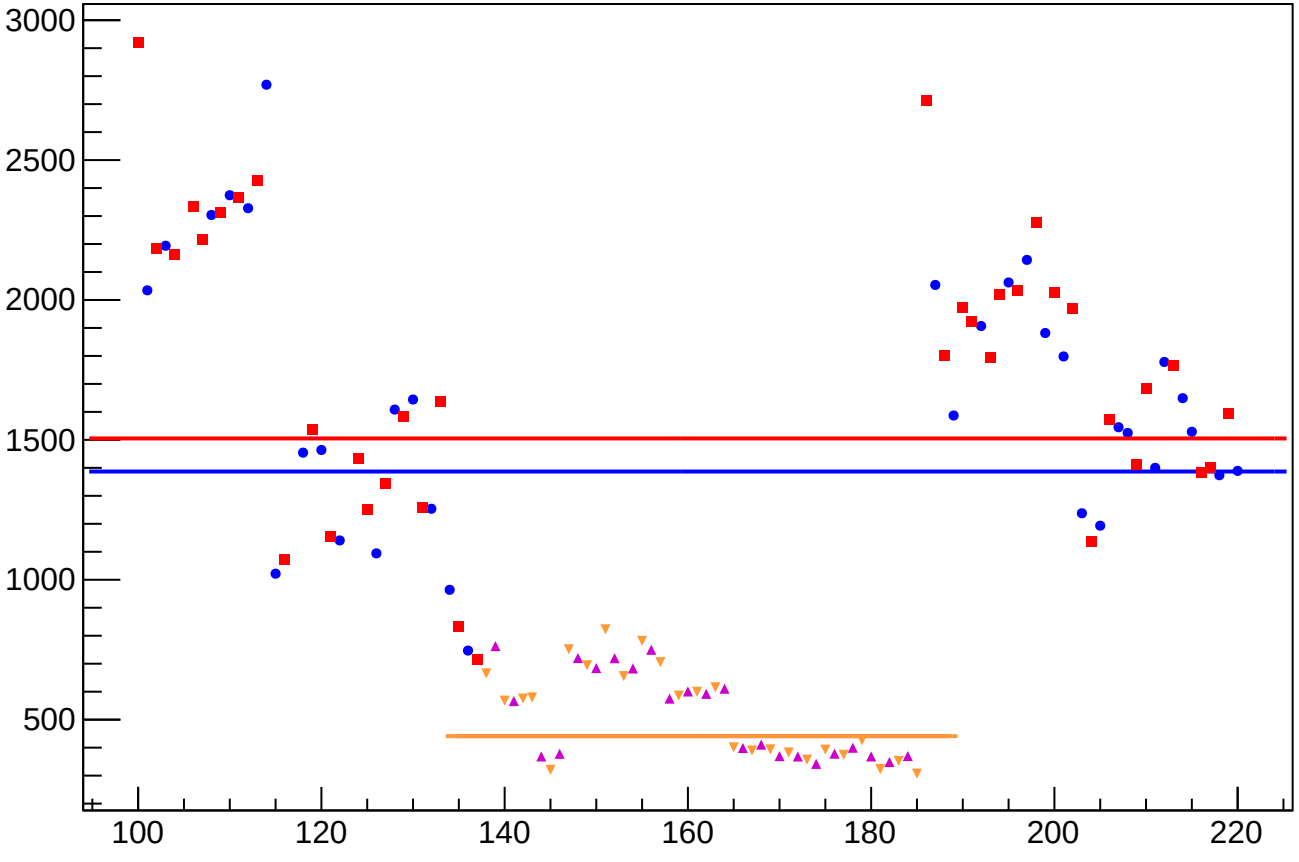
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -405.184+/-99.867 χ^2/NDF: 105.9/57

All: -263.676+/-71.574 χ^2/NDF: 189.6/117

- sign -114.226+/-102.631 χ^2/NDF: 79.6/59

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1386.896+/-0.224 χ^2/NDF: 3433735.3/32

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1505.123+/-0.240 χ^2/NDF: 3384254.8/36

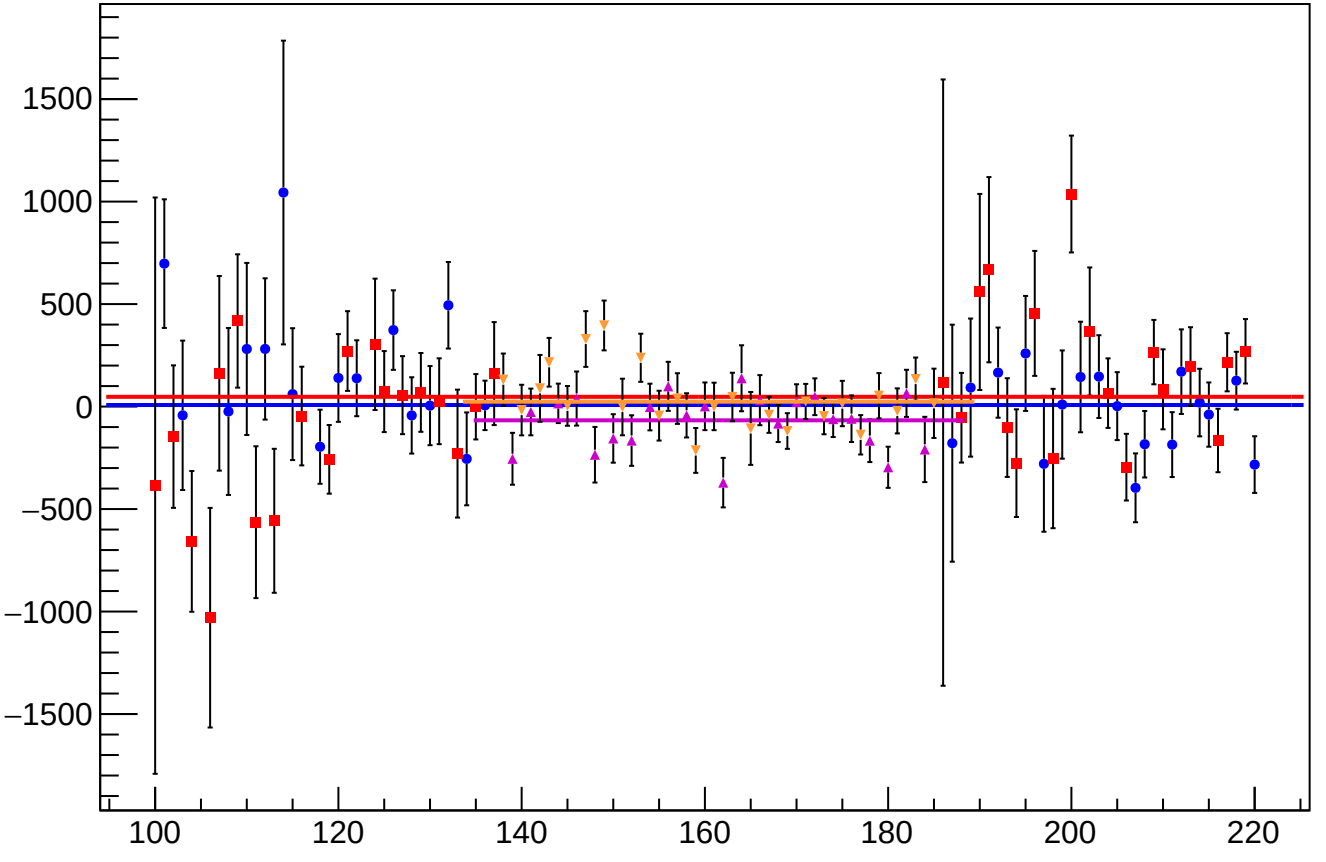
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 535.091+/-0.071 χ^2/NDF: 22718446.8/57

All: 536.717+/-0.051 χ^2/NDF: 46633907.5/11

- sign 538.434+/-0.073 χ^2/NDF: 23914370.7/59

dit_asym_sam_26_avg_mean vs Slug



Right In: 7.573+/-35.710 χ^2/NDF: 37.8/32

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 47.656+/-37.518 χ^2/NDF: 55.4/36

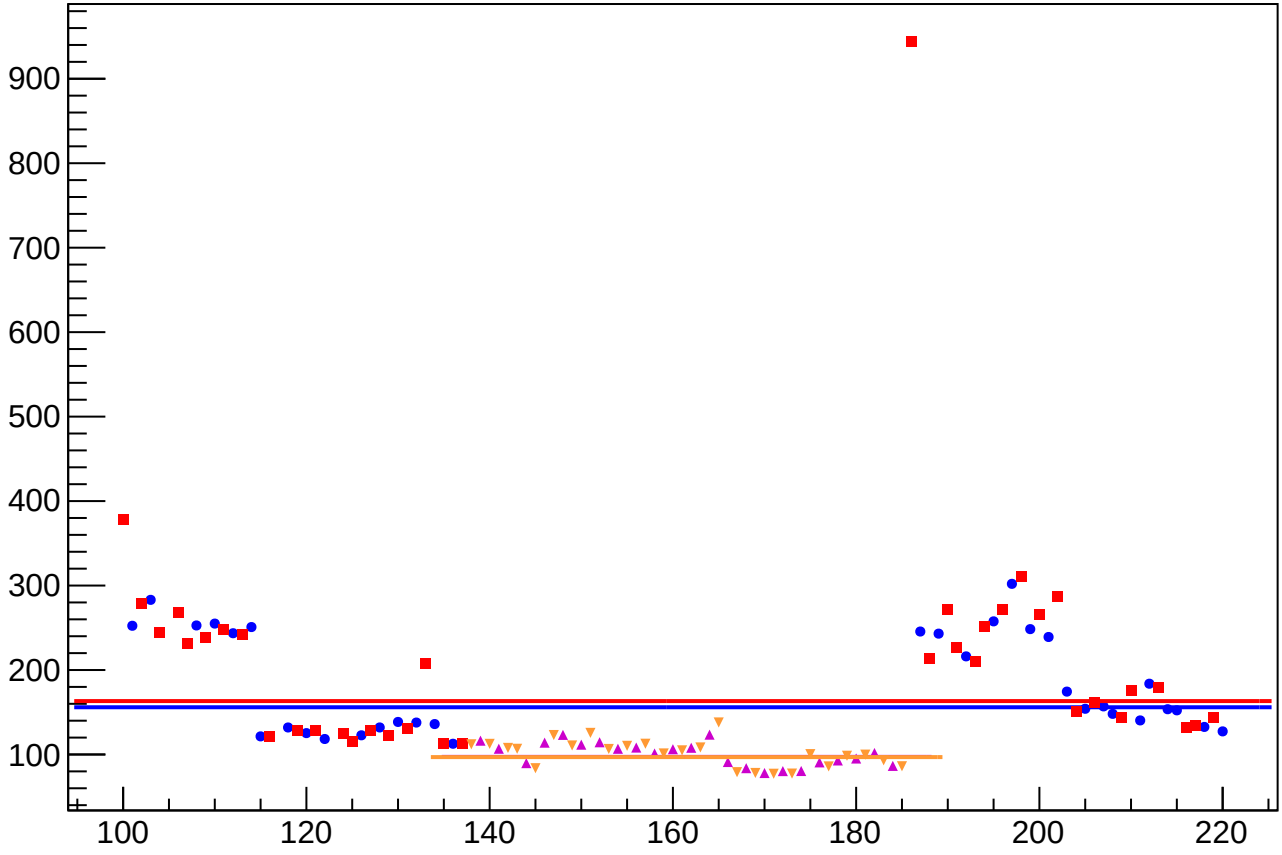
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 19.266+/-18.984 χ^2/NDF: 73.1/57

All: -7.128+/-13.664 χ^2/NDF: 168.0/117

- sign -35.503+/-19.683 χ^2/NDF: 90.8/59

dit_asym_sam_26_avg_rms vs Slug



Right In: 155.911+/-0.025 χ^2/NDF: 3034154.0/32

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

Right Out: 163.222+/-0.027 χ^2/NDF: 4250780.7/36

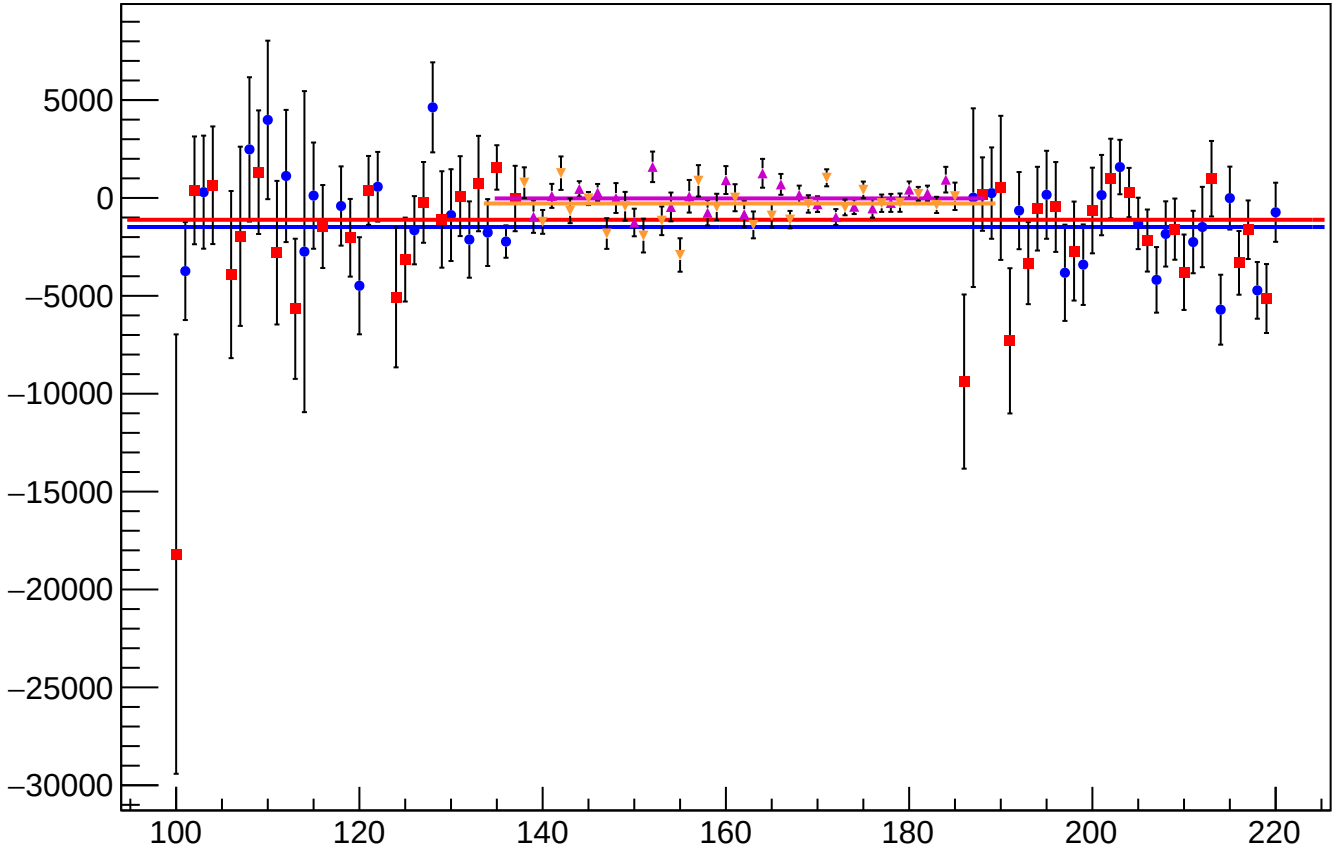
Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 113.583+/-0.013 χ^2/NDF: 7885139.0/57

All: 114.434+/-0.010 χ^2/NDF: 17311956.3/11

- sign 115.349+/-0.014 χ^2/NDF: 9418479.0/59

asym_sam_26_avg_dit_correction_mean vs Slug



Right In: -1484.630+/-323.973 χ^2/NDF: 39.5/32

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -1115.318+/-343.151 χ^2/NDF: 37.8/36

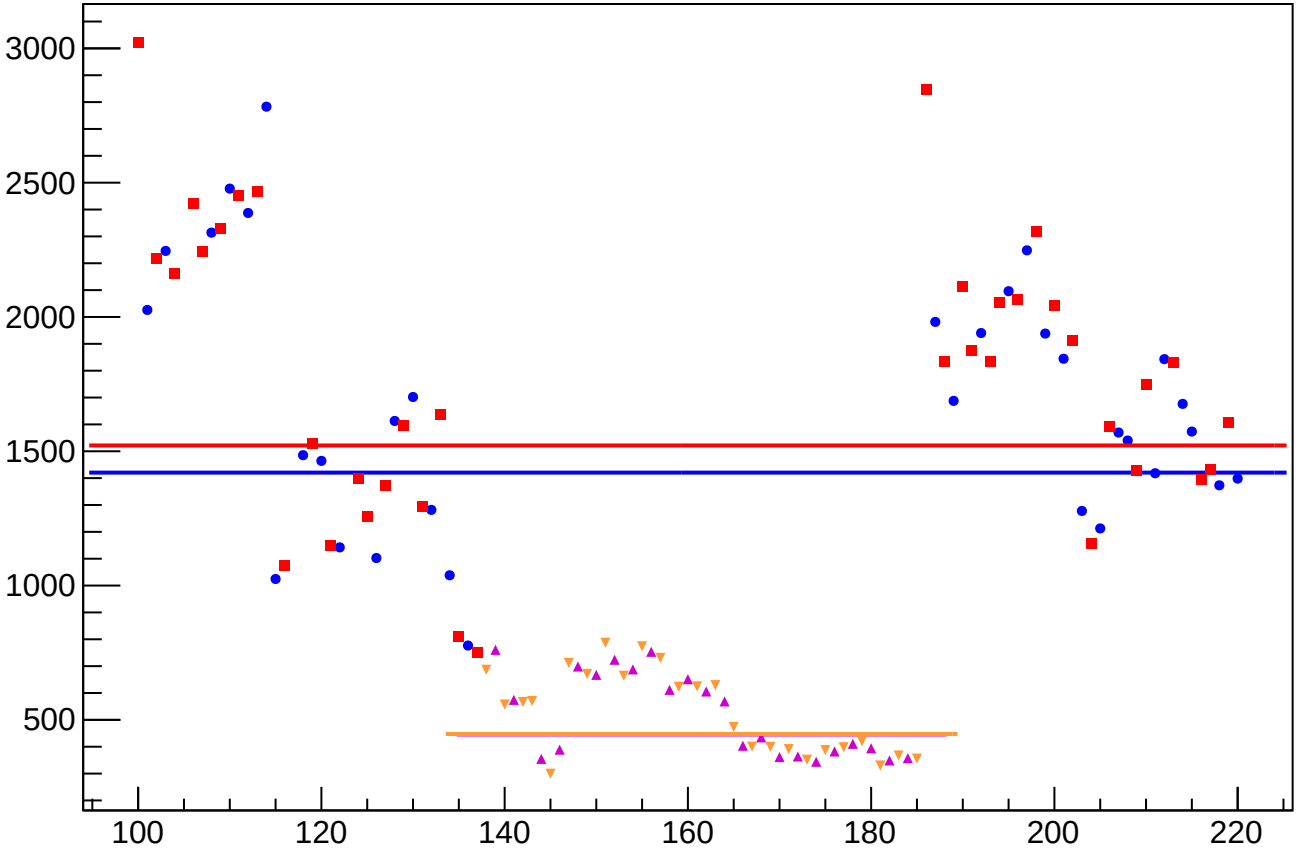
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -399.458+/-101.083 χ^2/NDF: 102.4/57

All: -265.552+/-72.413 χ^2/NDF: 185.9/117

- sign -124.394+/-103.784 χ^2/NDF: 79.9/59

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1420.550+/-0.229 χ^2/NDF: 3336566.5/32

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1521.678+/-0.243 χ^2/NDF: 3504199.7/36

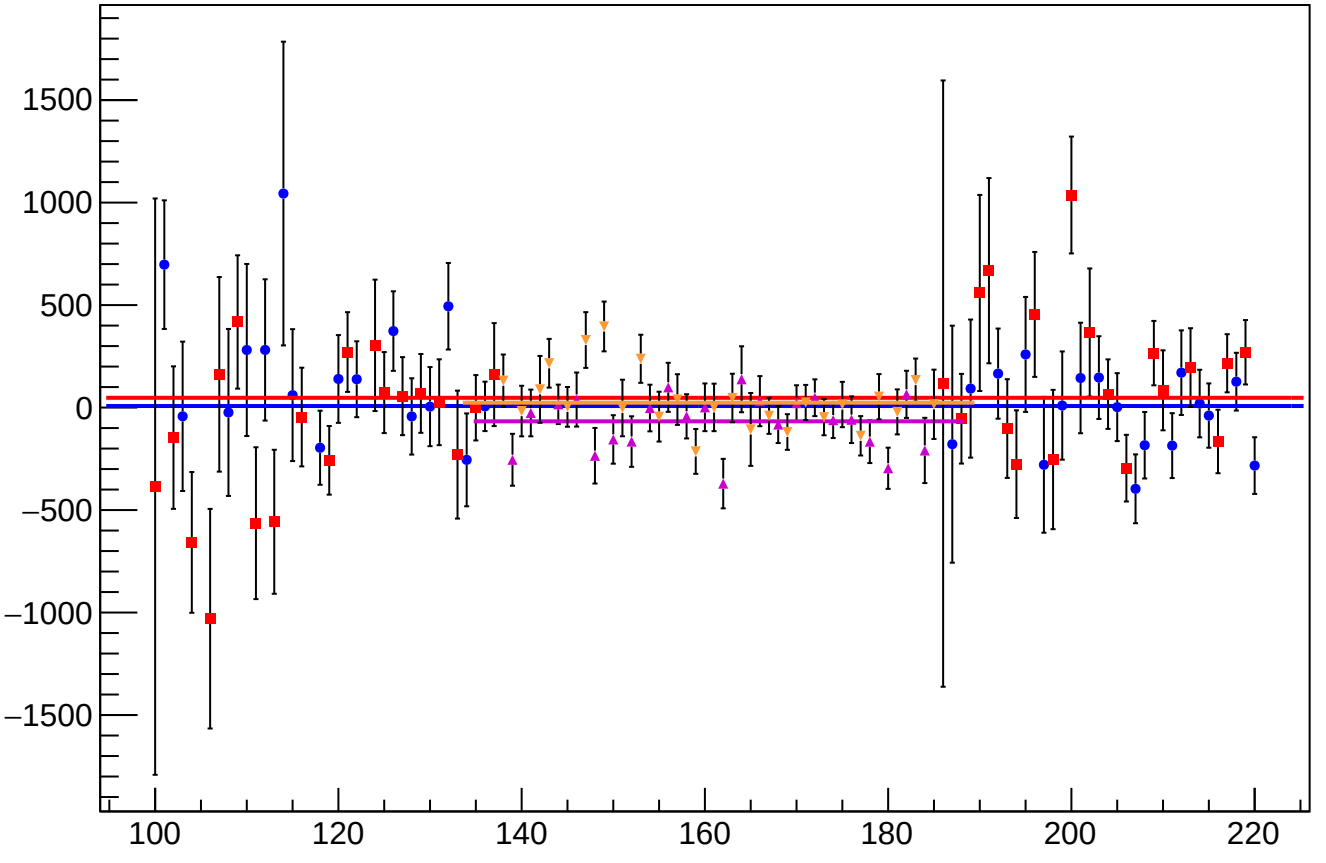
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

\+ sign 542.123+/-0.071 χ^2/NDF: 22823658.3/57

All: 543.004+/-0.051 χ^2/NDF: 46913453.9/11

\- sign 543.933+/-0.073 χ^2/NDF: 24089483.4/59

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 7.577+/-35.710 χ^2/NDF: 37.8/32

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 47.657+/-37.518 χ^2/NDF: 55.4/36

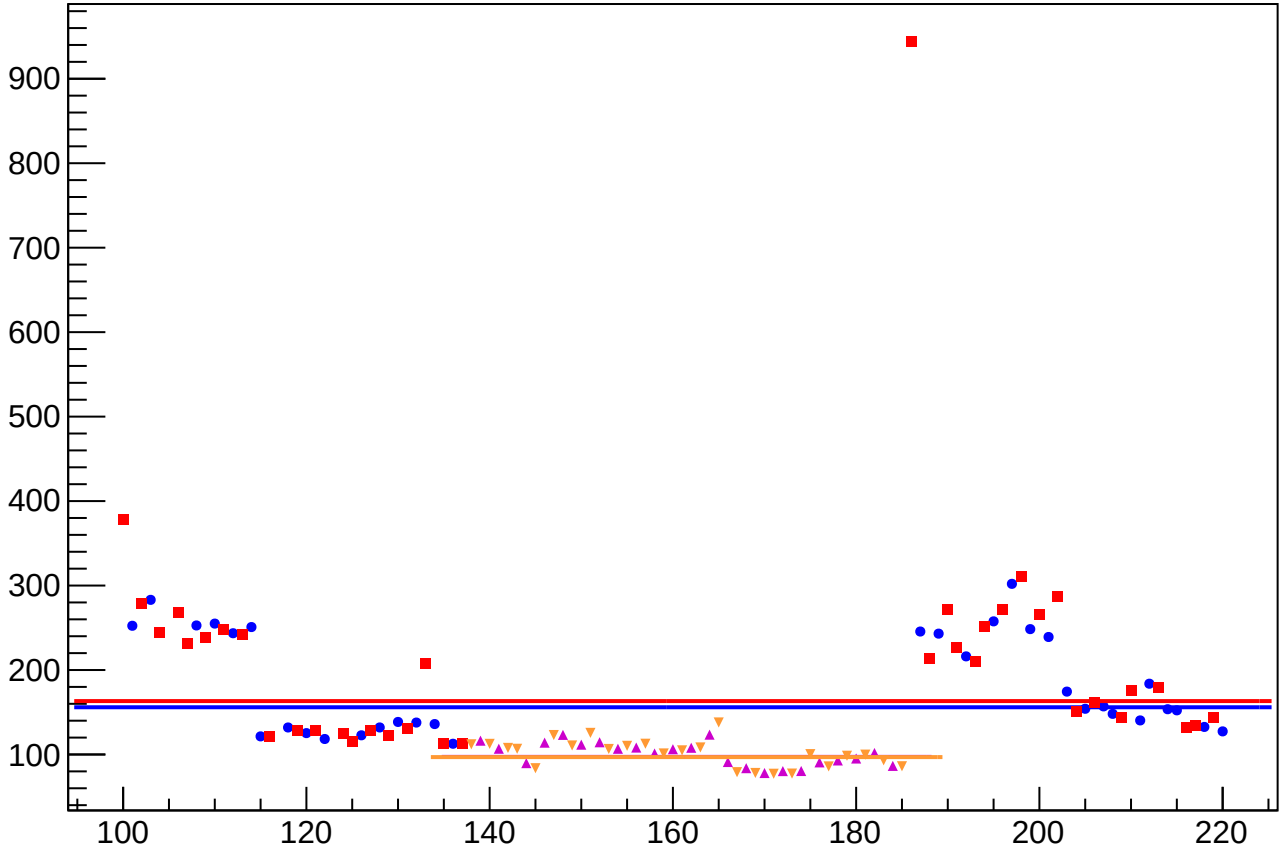
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 19.266+/-18.984 χ^2/NDF: 73.1/57

All: -7.128+/-13.664 χ^2/NDF: 168.0/117

- sign -35.502+/-19.683 χ^2/NDF: 90.8/59

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 155.910+/-0.025 χ^2/NDF: 3034161.5/32

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

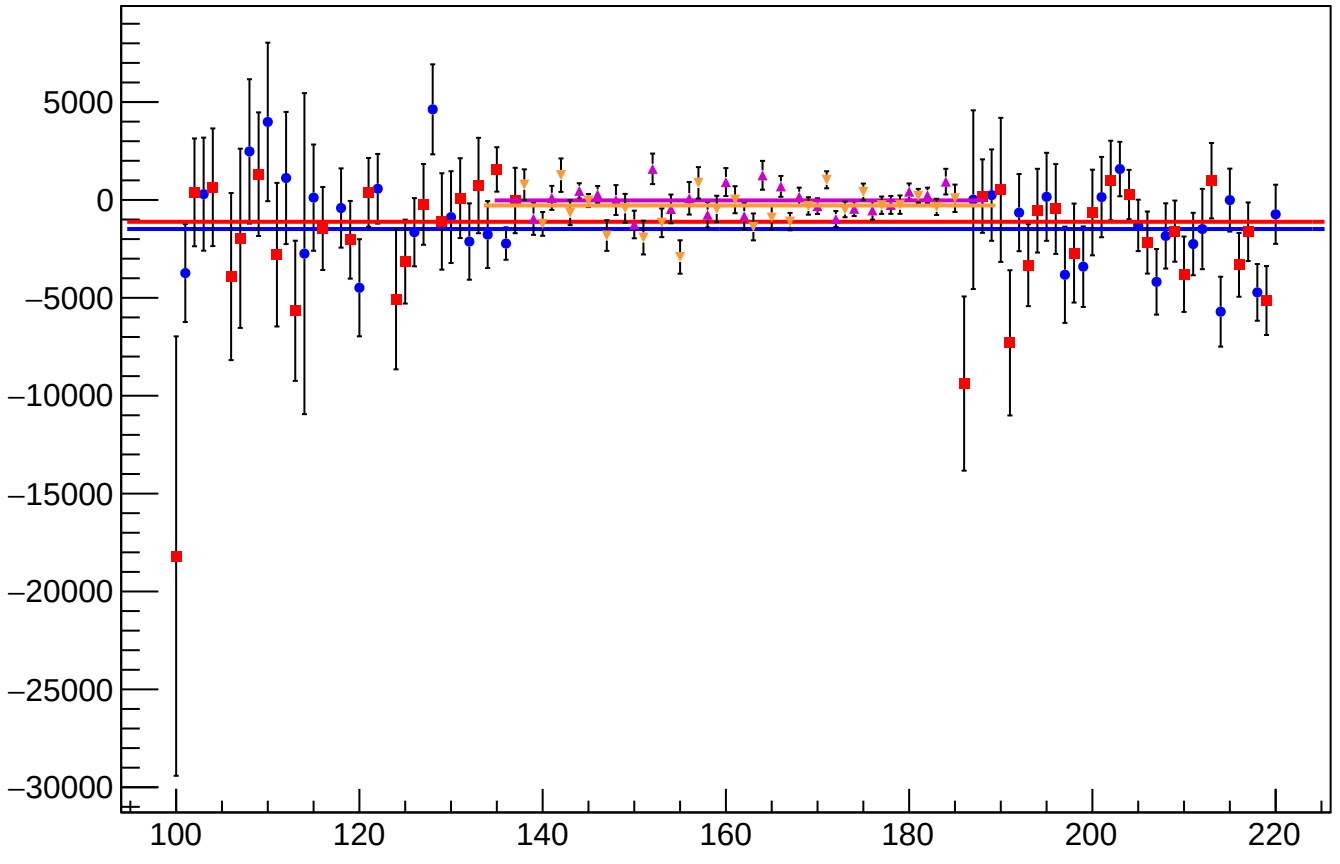
Right Out: 163.221+/-0.027 χ^2/NDF: 4250784.4/36

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 113.583+/-0.013 χ^2/NDF: 7885067.7/57

All: 114.434+/-0.010 χ^2/NDF: 17311796.9/11

- sign 115.349+/-0.014 χ^2/NDF: 9418389.9/59



Right In: -1484.629+/-323.973 χ^2/NDF: 39.5/32

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: -1115.318+/-343.151 χ^2/NDF: 37.8/36

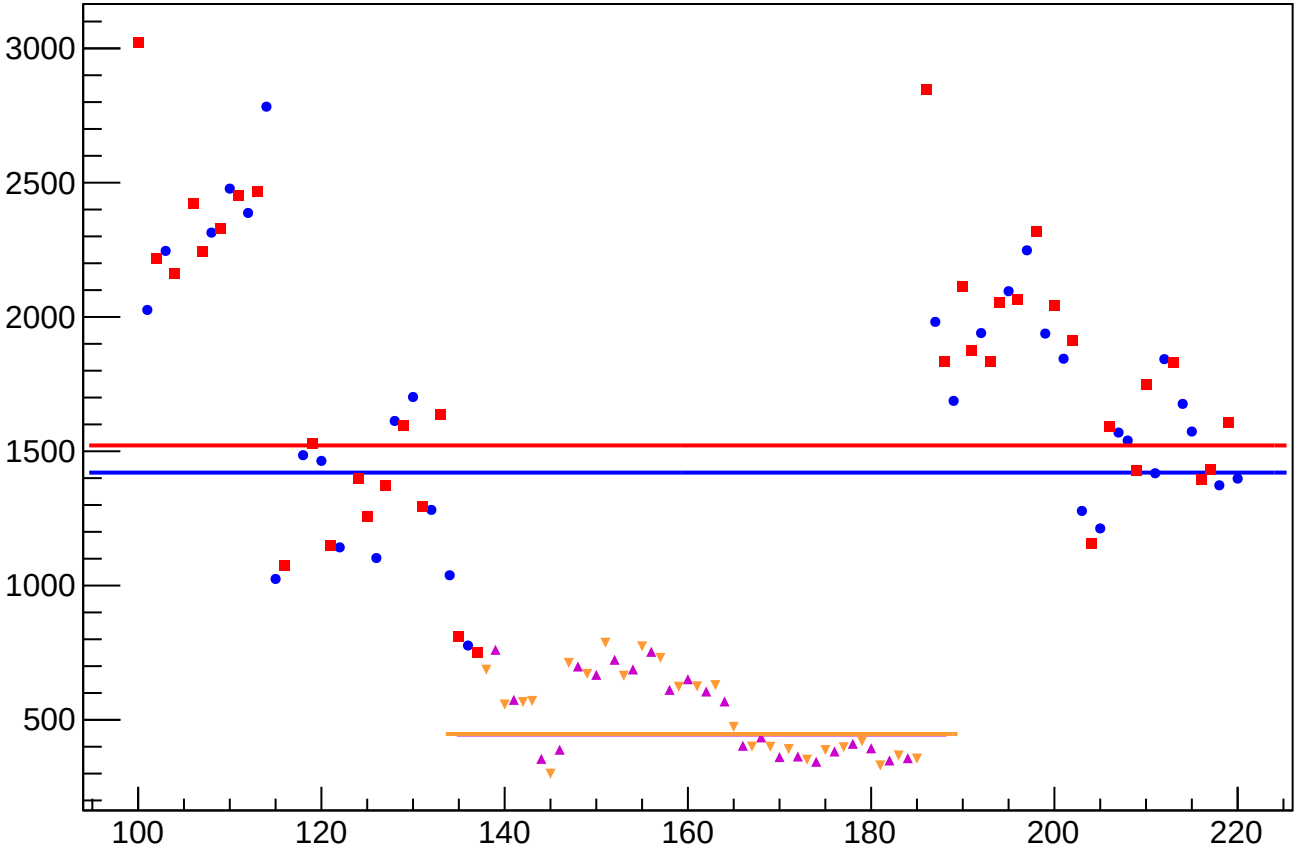
Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -399.456+/-101.083 χ^2/NDF: 102.4/57

All: -265.552+/-72.413 χ^2/NDF: 185.9/117

- sign -124.395+/-103.784 χ^2/NDF: 79.9/59

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1420.549+/-0.229 χ^2/NDF: 3336547.4/32

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1521.678+/-0.243 χ^2/NDF: 3504181.0/36

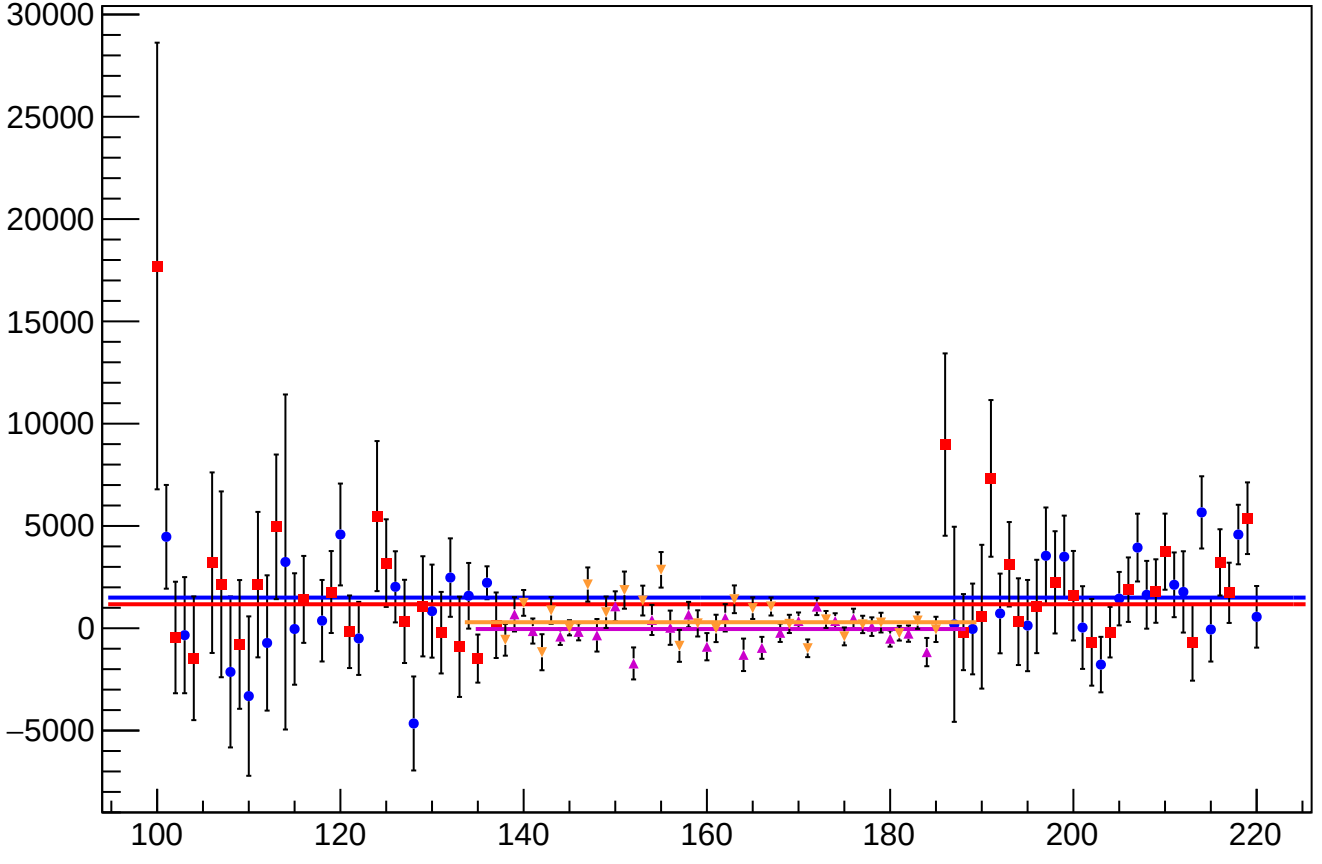
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 542.123+/-0.071 χ^2/NDF: 22823684.0/57

All: 543.004+/-0.051 χ^2/NDF: 46913493.7/11

- sign 543.933+/-0.073 χ^2/NDF: 24089497.6/59

asym_sam_26_avg_mean vs Slug



Right In: 1498.701+/-318.798 χ^2/NDF: 39.6/32

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 1173.079+/-341.367 χ^2/NDF: 35.4/36

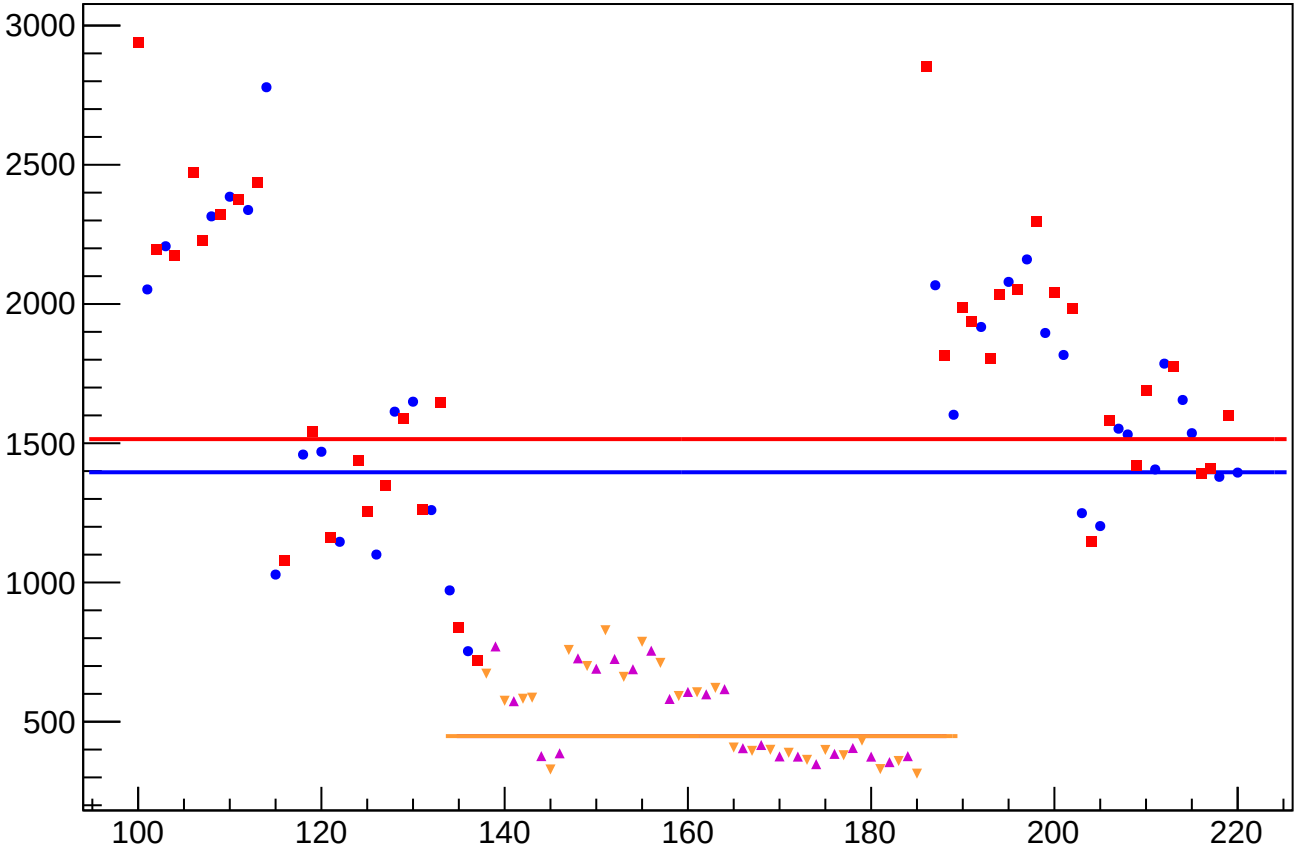
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 416.486+/-101.277 χ^2/NDF: 102.9/57

All: 250.228+/-72.594 χ^2/NDF: 188.2/117

- sign 74.544+/-104.108 χ^2/NDF: 79.7/59

asym_sam_26_avg_rms vs Slug



Right In: 1395.798+/-0.225 χ^2/NDF: 3418044.3/32

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

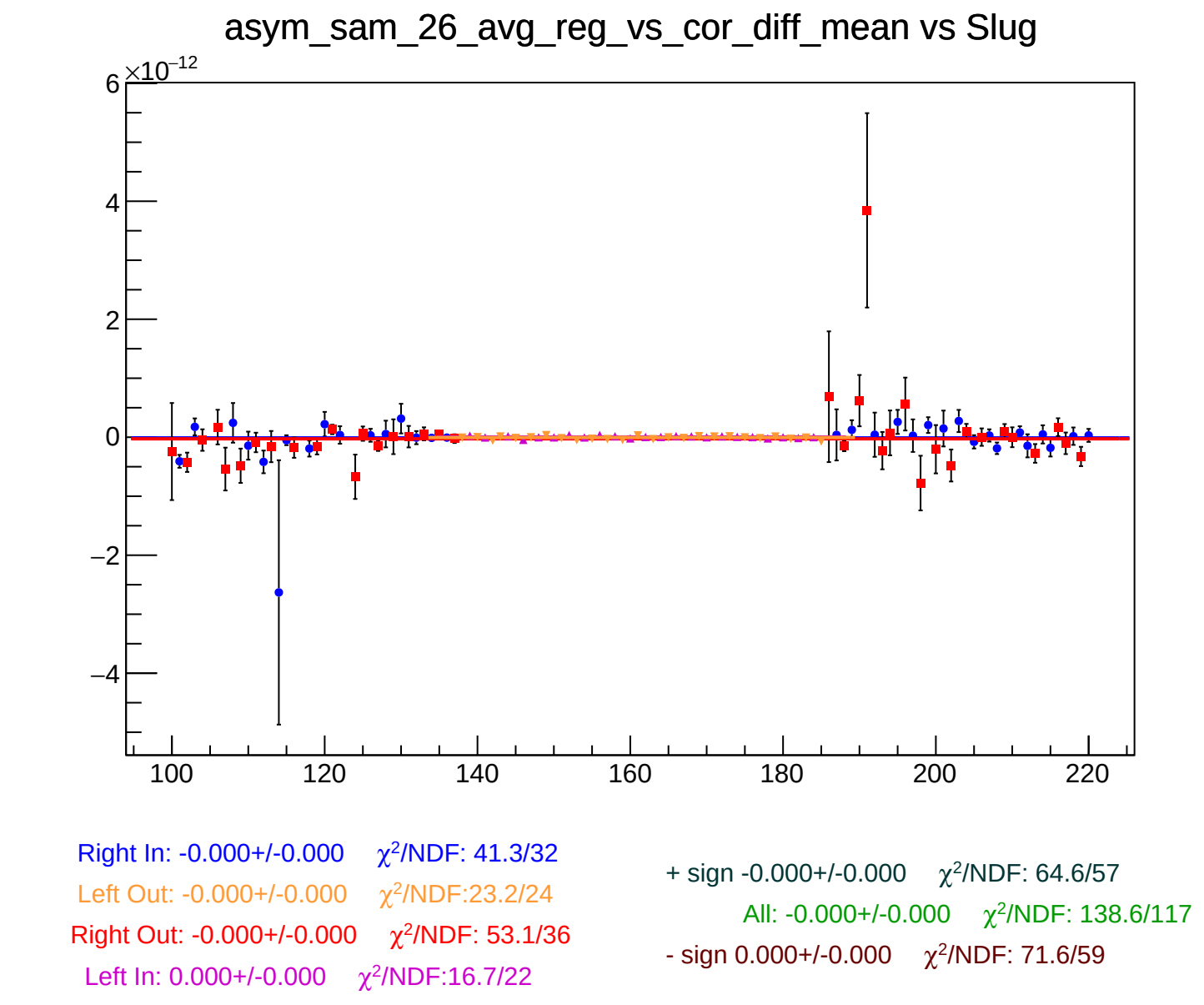
Right Out: 1514.806+/-0.241 χ^2/NDF: 3431858.9/36

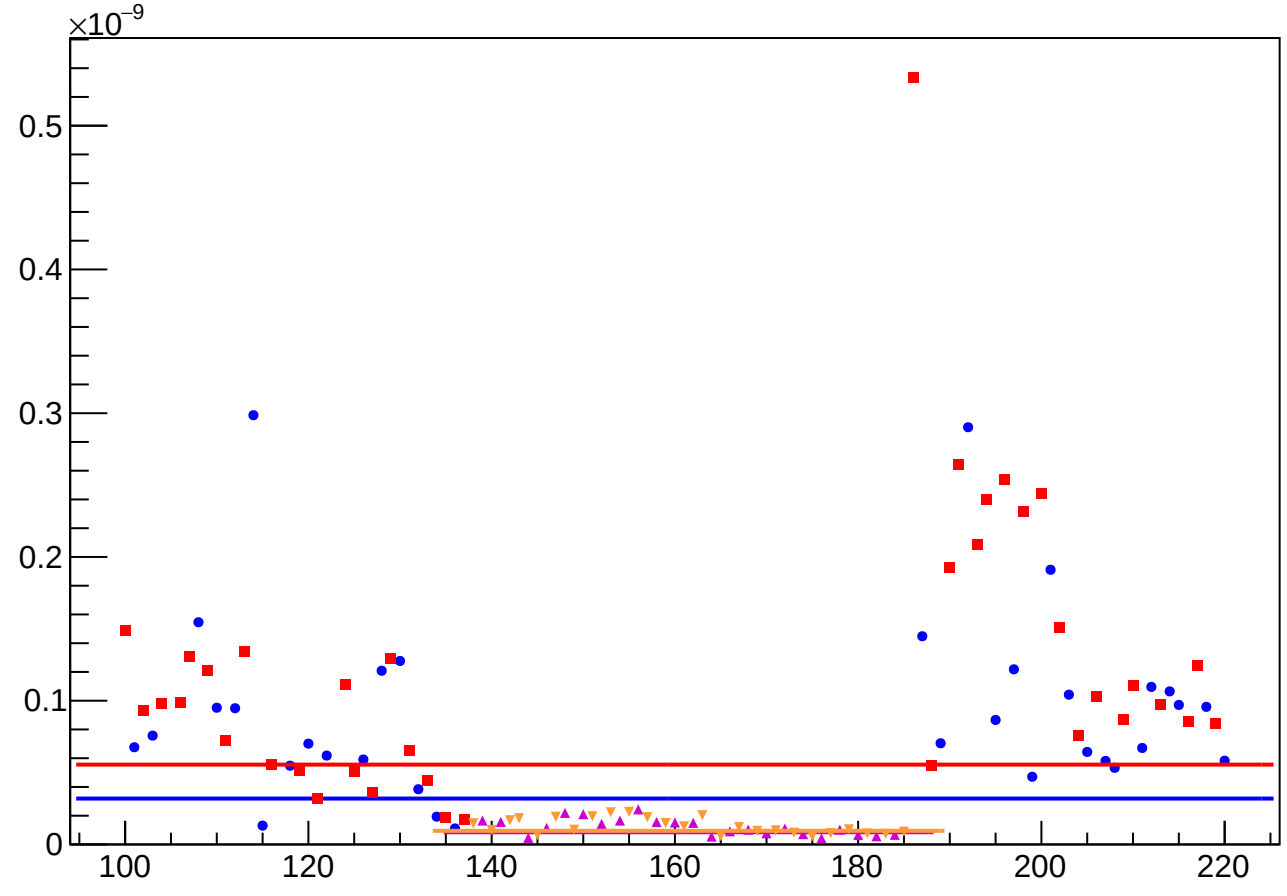
Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 543.904+/-0.072 χ^2/NDF: 22459447.2/57

All: 545.693+/-0.051 χ^2/NDF: 46215910.7/11

- sign 547.582+/-0.074 χ^2/NDF: 23755181.3/59


asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
6
4
2
0
−2
−4
100
120
140
160
180
200
220
Right In: -0.000+/-0.000 χ²/NDF: 41.3/32
Left Out: -0.000+/-0.000 χ²/NDF:23.2/24
Right Out: -0.000+/-0.000 χ²/NDF: 53.1/36
Left In: 0.000+/-0.000 χ²/NDF:16.7/22
+ sign -0.000+/-0.000 χ²/NDF: 64.6/57
All: -0.000+/-0.000 χ²/NDF: 138.6/117
- sign 0.000+/-0.000 χ²/NDF: 71.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 8820838.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

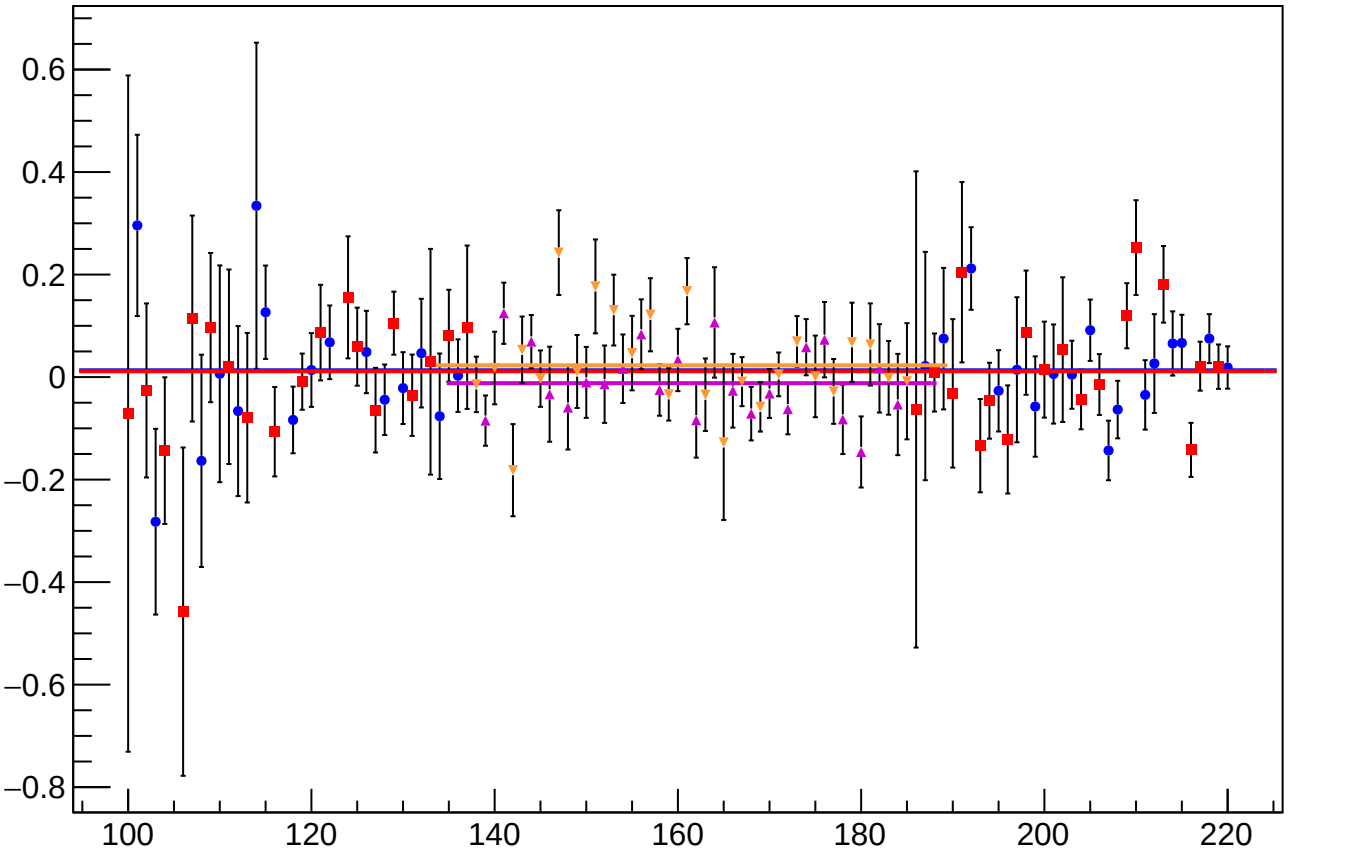
Right Out: 0.000+/-0.000 χ^2/NDF: 6843317.1/36

Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 14985040.0/57

All: 0.000+/-0.000 χ^2/NDF: 32618924.9/117

- sign 0.000+/-0.000 χ^2/NDF: 17551912.0/59



Right In: 0.013+/-0.013 χ^2/NDF: 35.1/32

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: 0.011+/-0.014 χ^2/NDF: 44.2/36

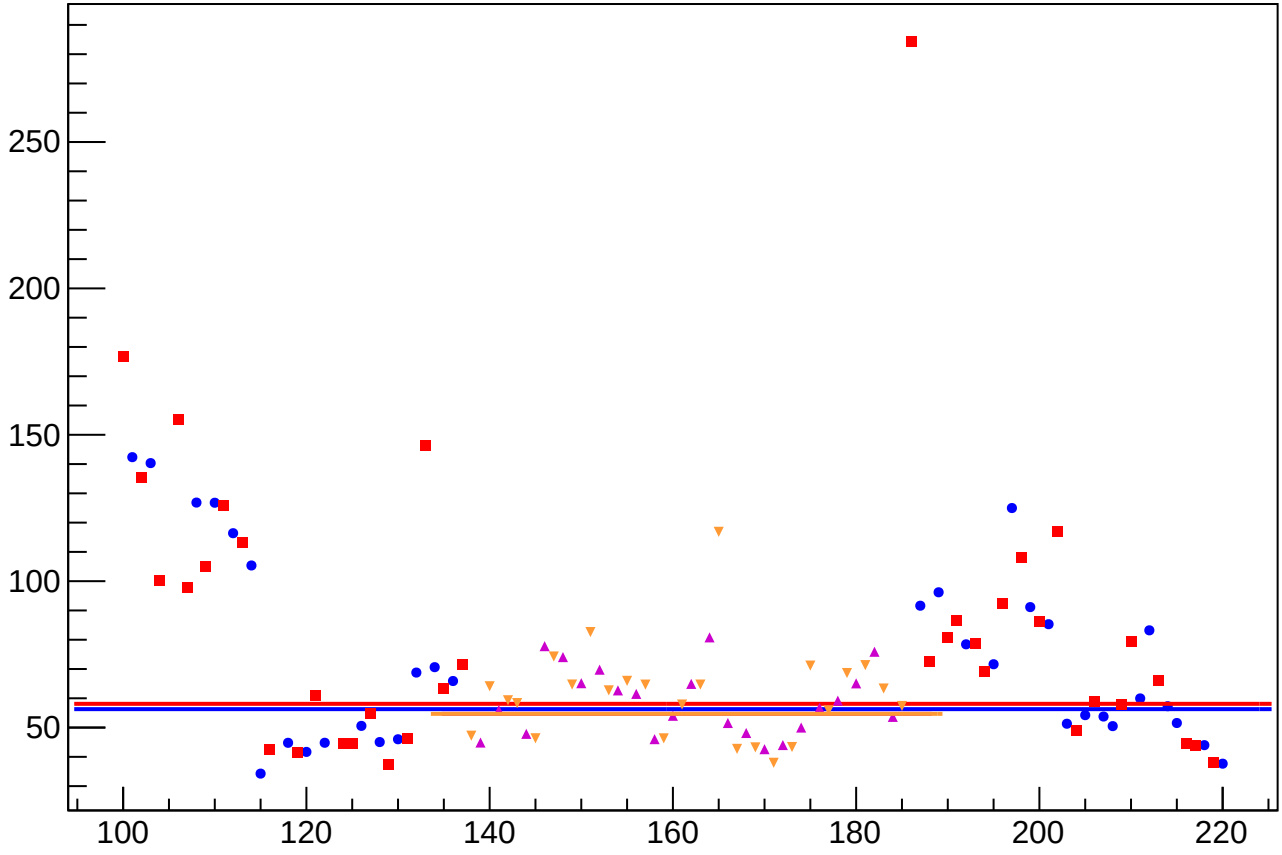
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.009 χ^2/NDF: 69.5/57

All: 0.009+/-0.007 χ^2/NDF: 143.2/117

- sign -0.001+/-0.010 χ^2/NDF: 71.6/59

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 56.292+/-0.010 χ^2/NDF: 4284935.5/32

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

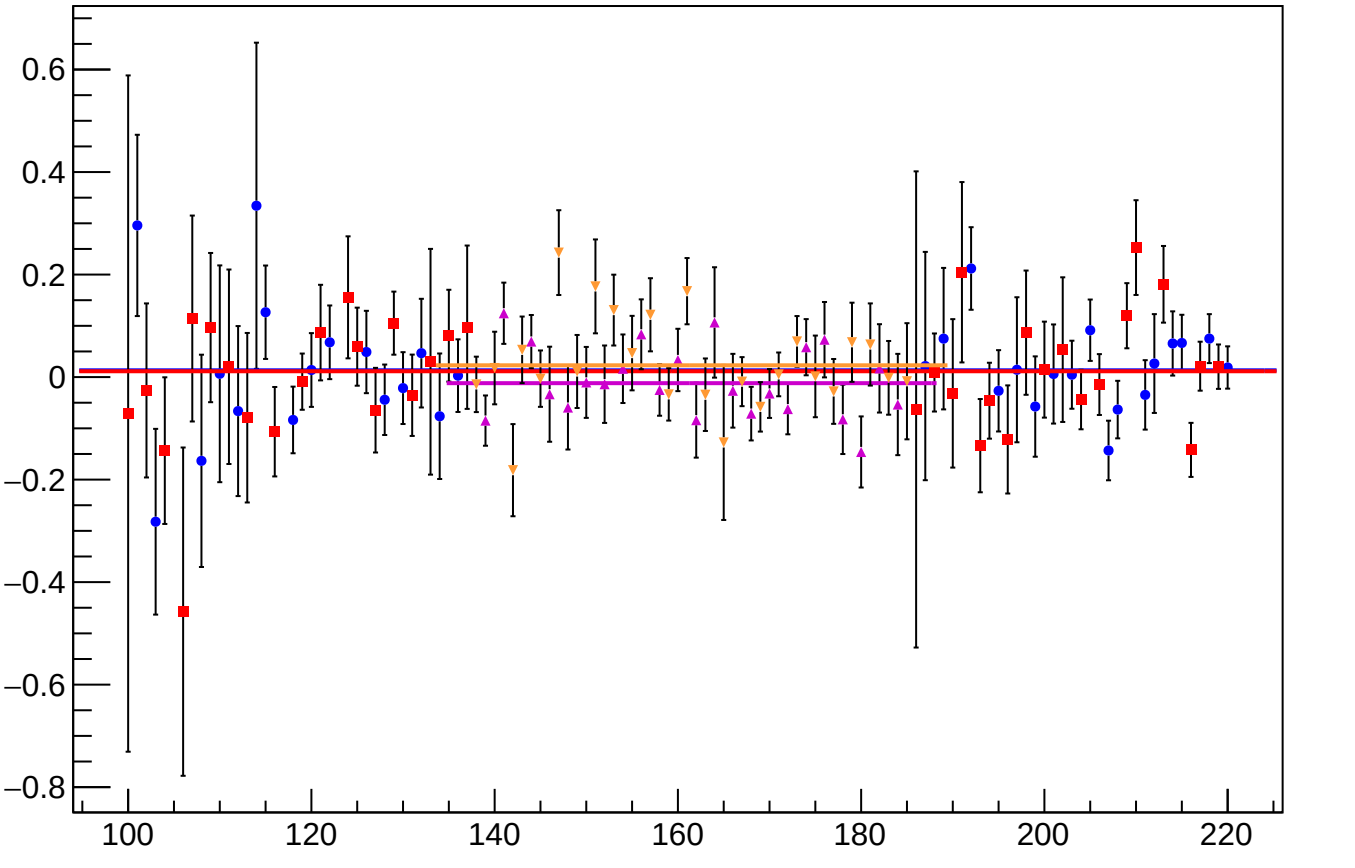
Right Out: 58.108+/-0.010 χ^2/NDF: 5343650.8/36

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.457+/-0.007 χ^2/NDF: 6236321.2/57

All: 55.872+/-0.005 χ^2/NDF: 12842109.3/117

- sign 56.312+/-0.007 χ^2/NDF: 6597630.7/59



Right In: 0.013+/-0.013 χ^2/NDF: 35.1/32

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

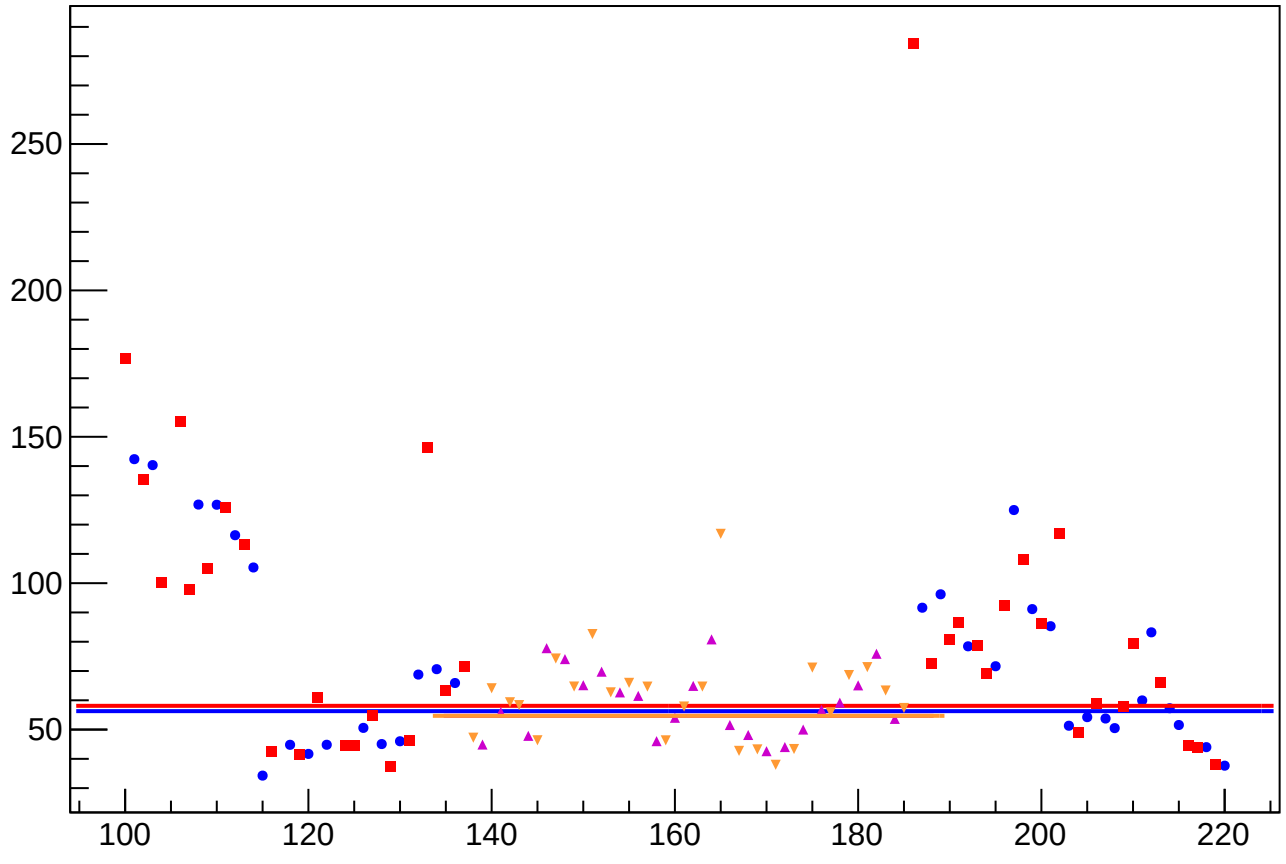
Right Out: 0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.009 χ^2/NDF: 69.5/57

All: 0.009+/-0.007 χ^2/NDF: 143.2/117

- sign -0.001+/-0.010 χ^2/NDF: 71.6/59



Right In: 56.292+/-0.010 χ^2/NDF: 4284935.5/32

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

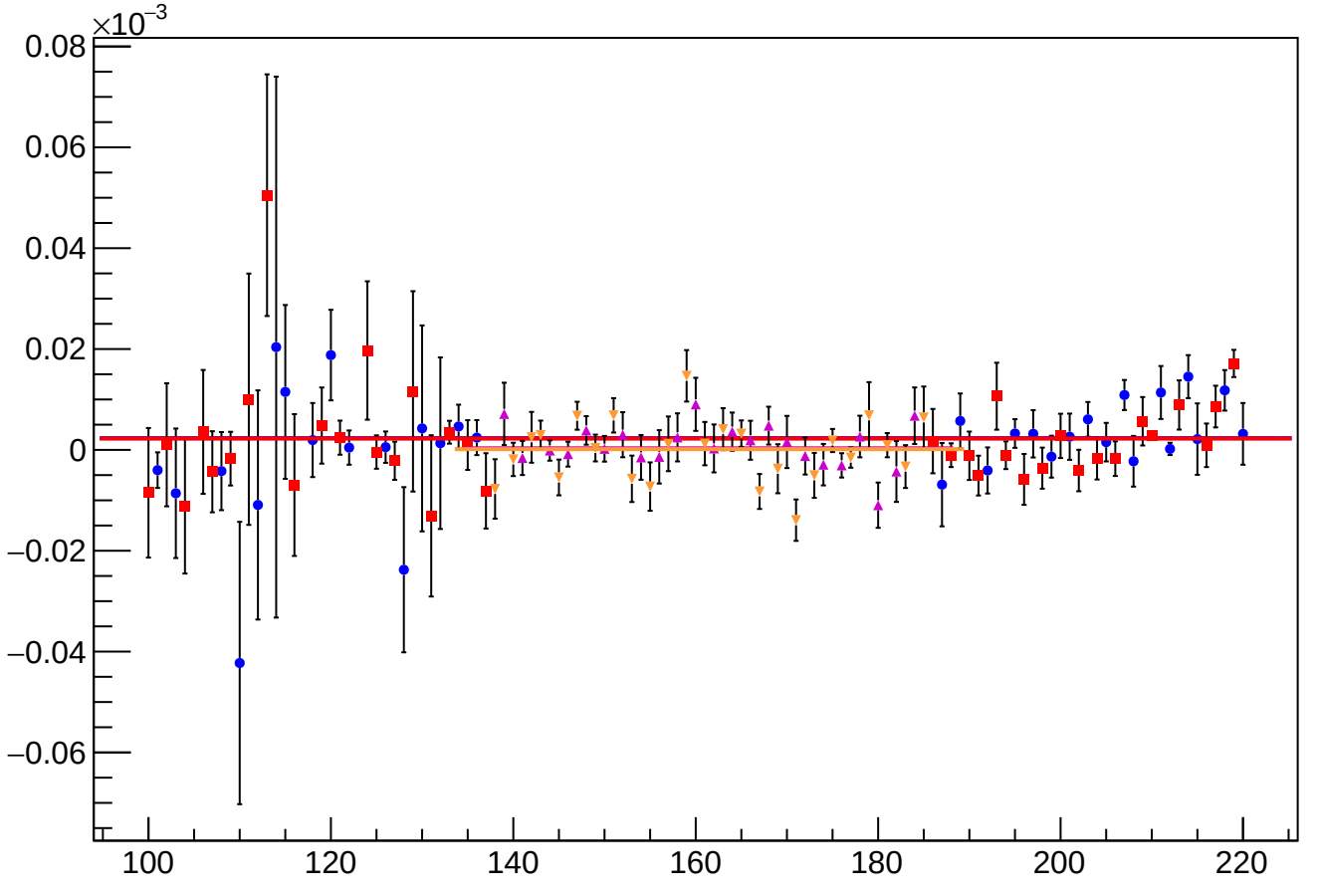
Right Out: 58.108+/-0.010 χ^2/NDF: 5343650.8/36

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 55.457+/-0.007 χ^2/NDF: 6236321.2/57

All: 55.872+/-0.005 χ^2/NDF: 12842109.3/117

- sign 56.312+/-0.007 χ^2/NDF: 6597630.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 49.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

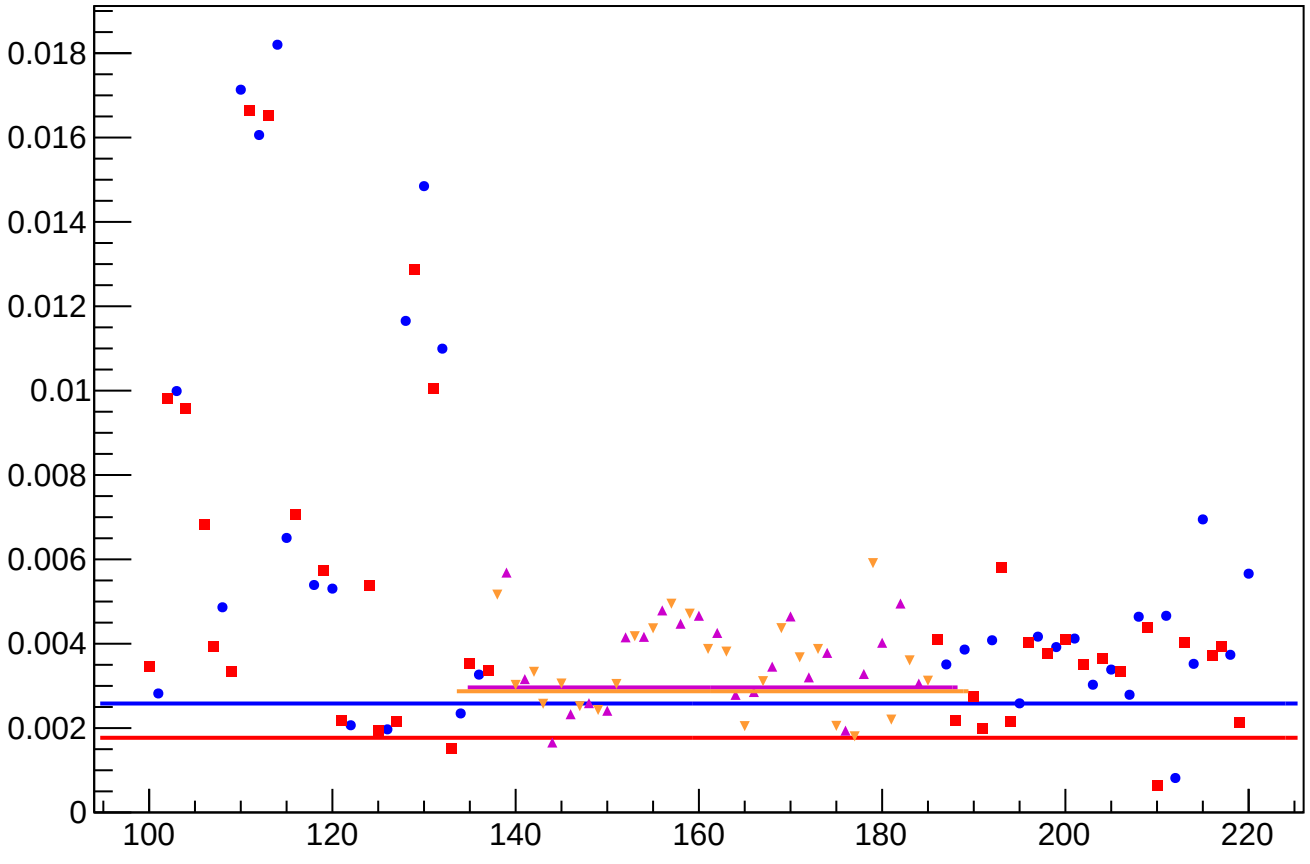
Right Out: 0.000+/-0.000 χ^2/NDF: 68.9/36

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 108.0/57

All: 0.000+/-0.000 χ^2/NDF: 202.4/117

- sign 0.000+/-0.000 χ^2/NDF: 94.0/59



Right In: 0.003+/-0.000 χ^2/NDF: 12419756.2/32

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

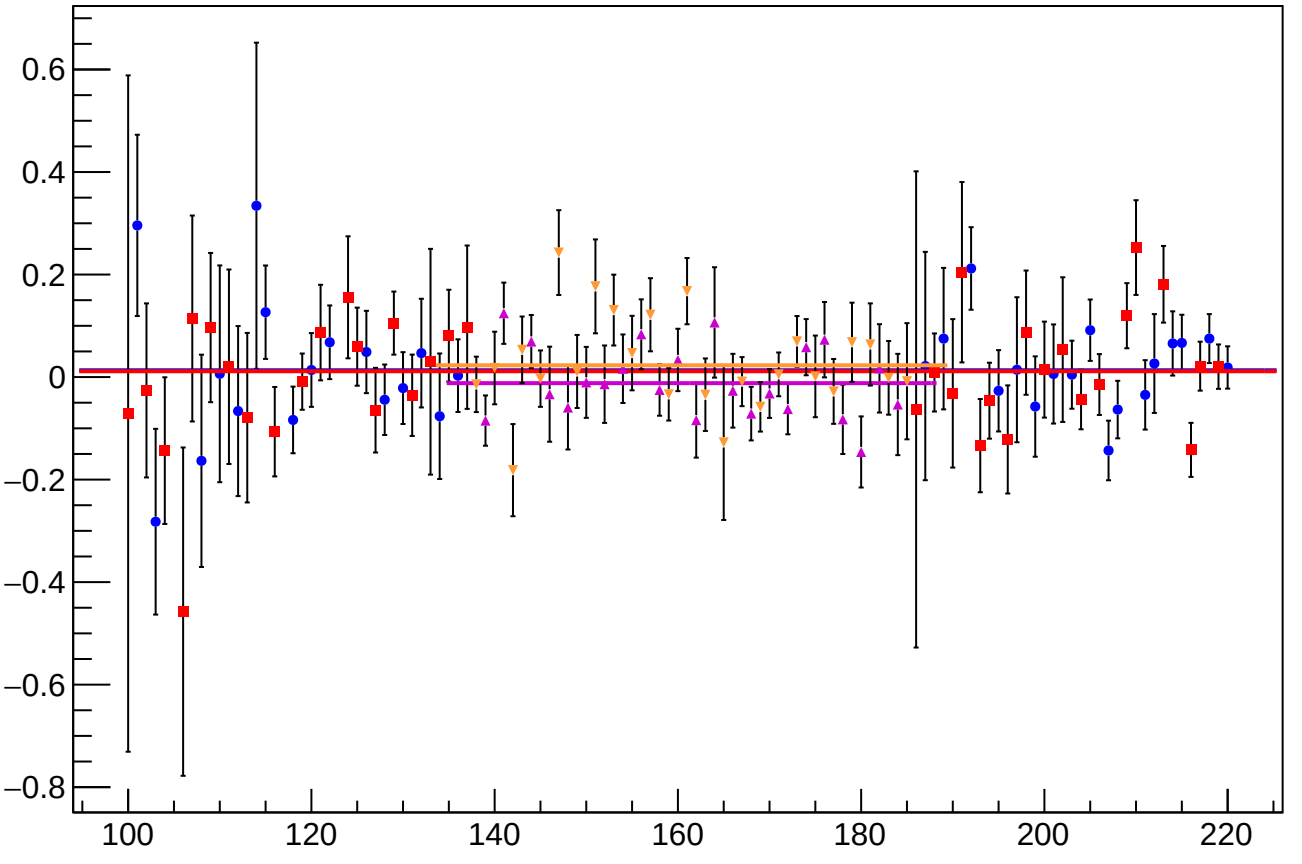
Right Out: 0.002+/-0.000 χ^2/NDF: 16794861.6/36

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 16195733.9/57

All: 0.002+/-0.000 χ^2/NDF: 41511194.3/117

- sign 0.002+/-0.000 χ^2/NDF: 23817169.7/59



Right In: 0.013+/-0.013 χ^2/NDF: 35.1/32

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

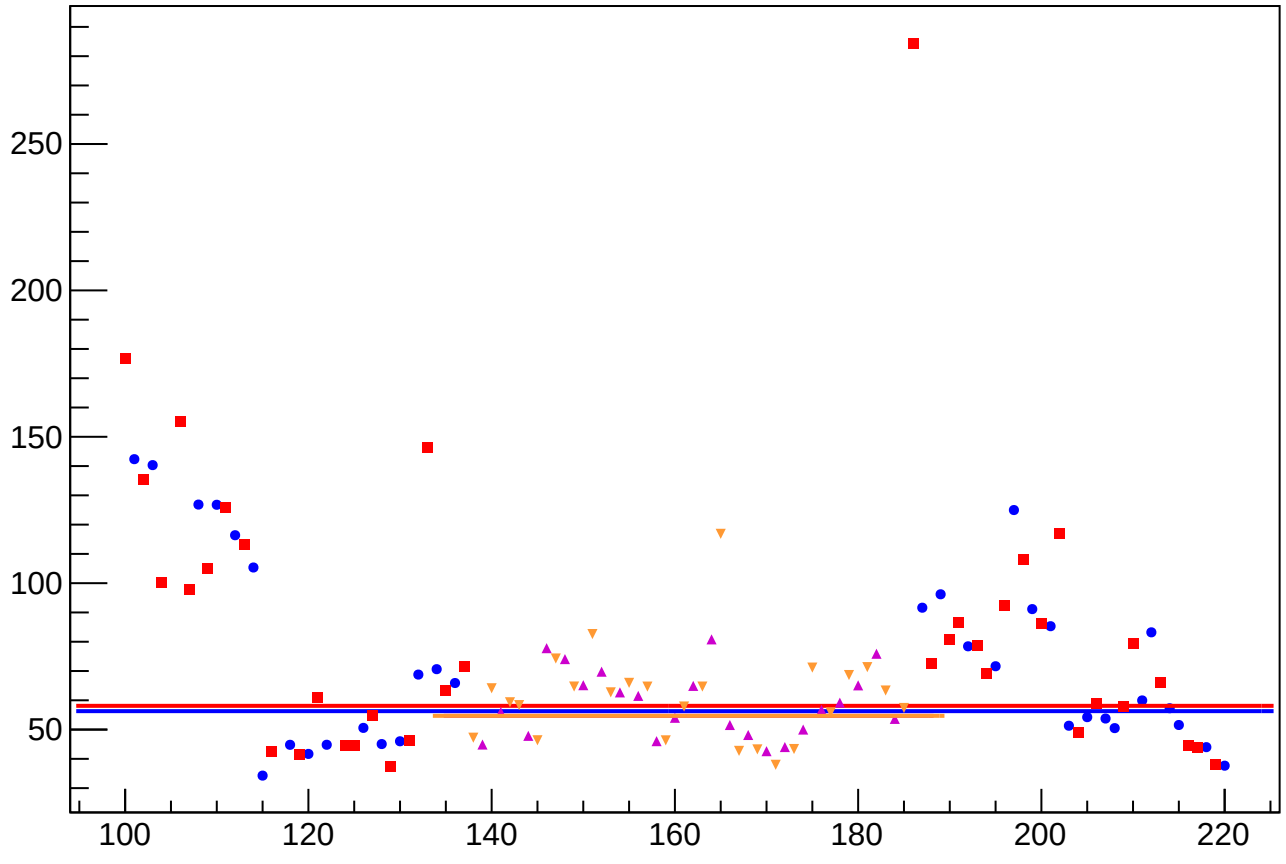
Right Out: 0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.009 χ^2/NDF: 69.5/57

All: 0.009+/-0.007 χ^2/NDF: 143.2/117

- sign -0.001+/-0.010 χ^2/NDF: 71.6/59



Right In: 56.292+/-0.010 χ^2/NDF: 4284953.4/32

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

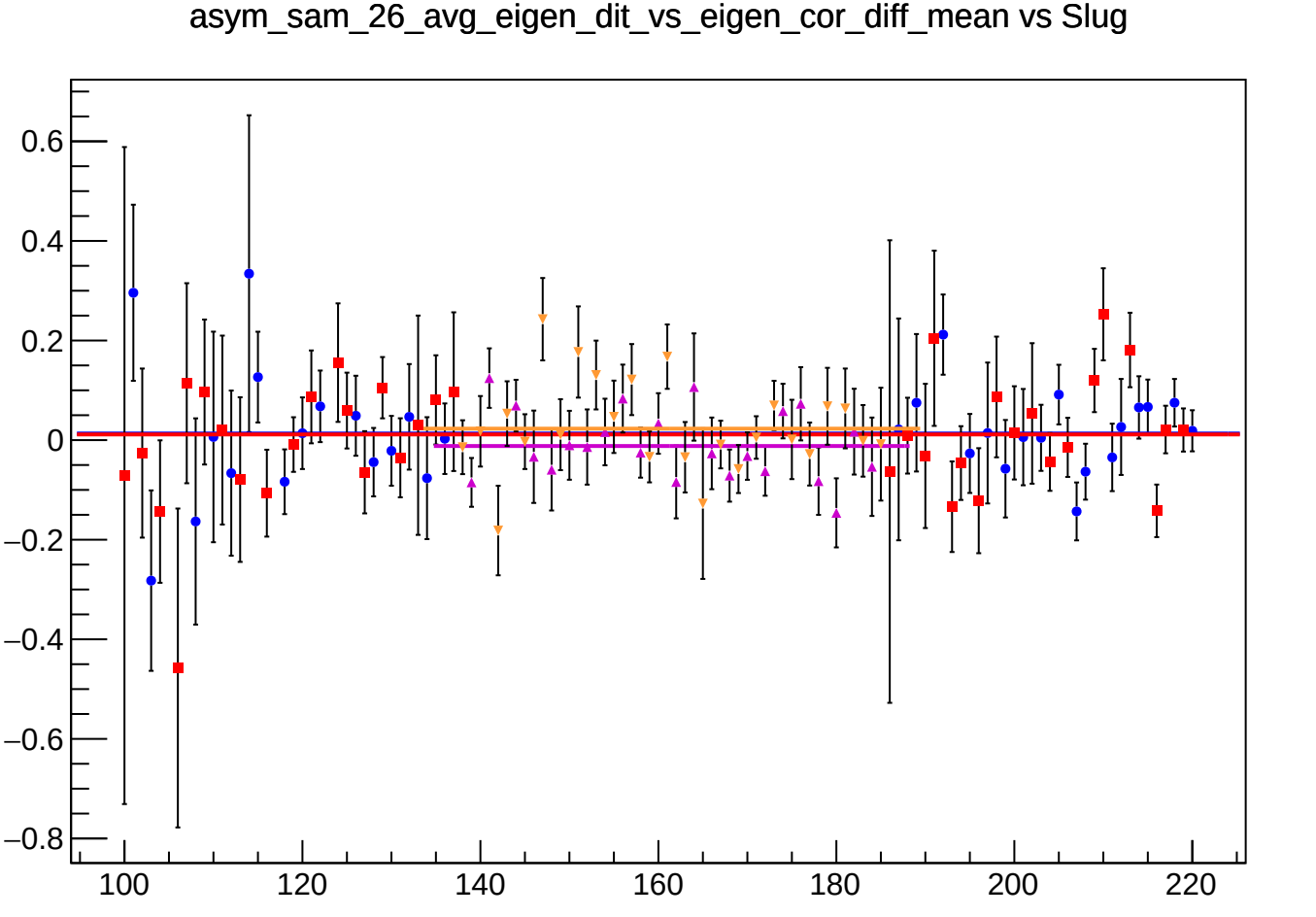
Right Out: 58.107+/-0.010 χ^2/NDF: 5343719.1/36

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.458+/-0.007 χ^2/NDF: 6236321.8/57

All: 55.872+/-0.005 χ^2/NDF: 12842107.1/117

- sign 56.312+/-0.007 χ^2/NDF: 6597628.3/59



Right In: 0.013+/-0.013 χ^2/NDF: 35.1/32

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

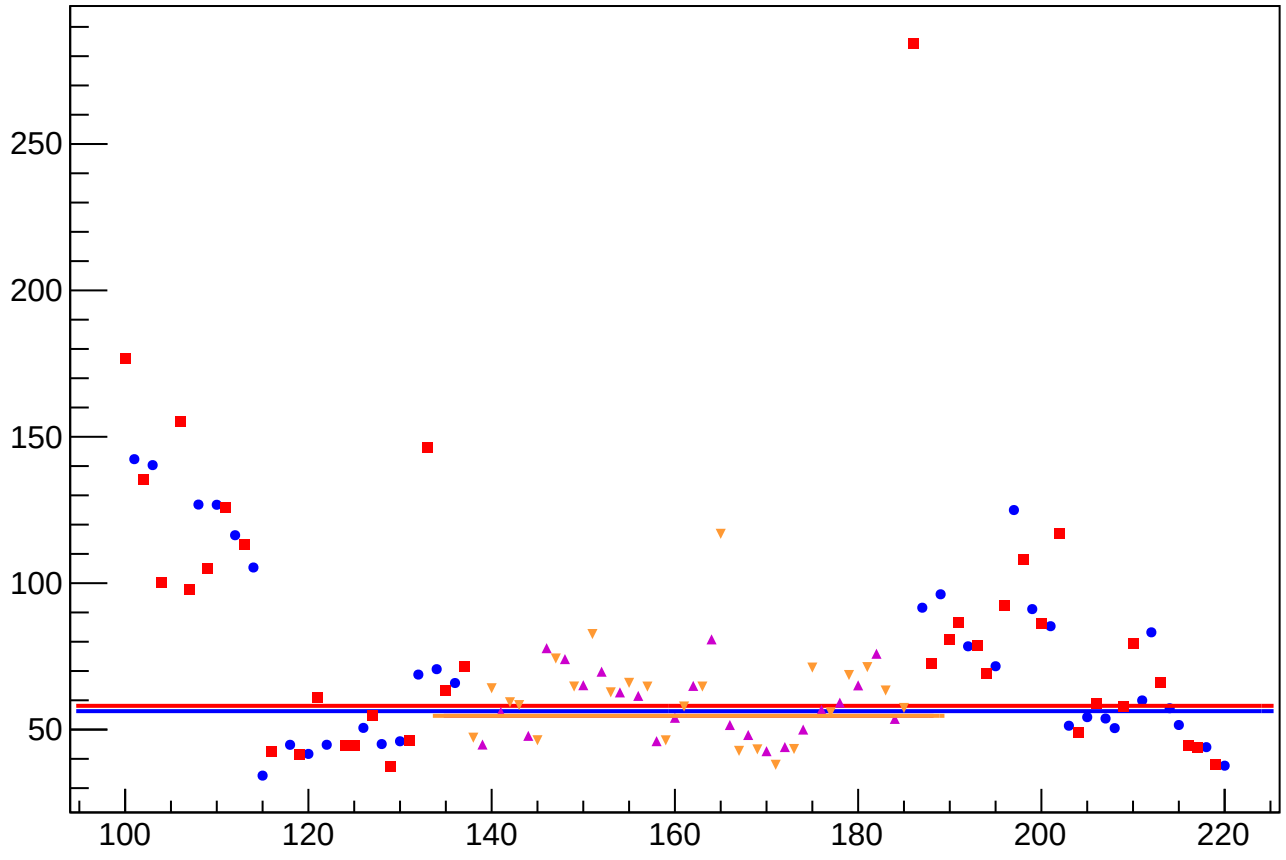
Right Out: 0.011+/-0.014 χ^2/NDF: 44.2/36

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.018+/-0.009 χ^2/NDF: 69.5/57

All: 0.009+/-0.007 χ^2/NDF: 143.2/117

- sign -0.001+/-0.010 χ^2/NDF: 71.6/59



Right In: 56.292+/-0.010 χ^2/NDF: 4284953.4/32

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

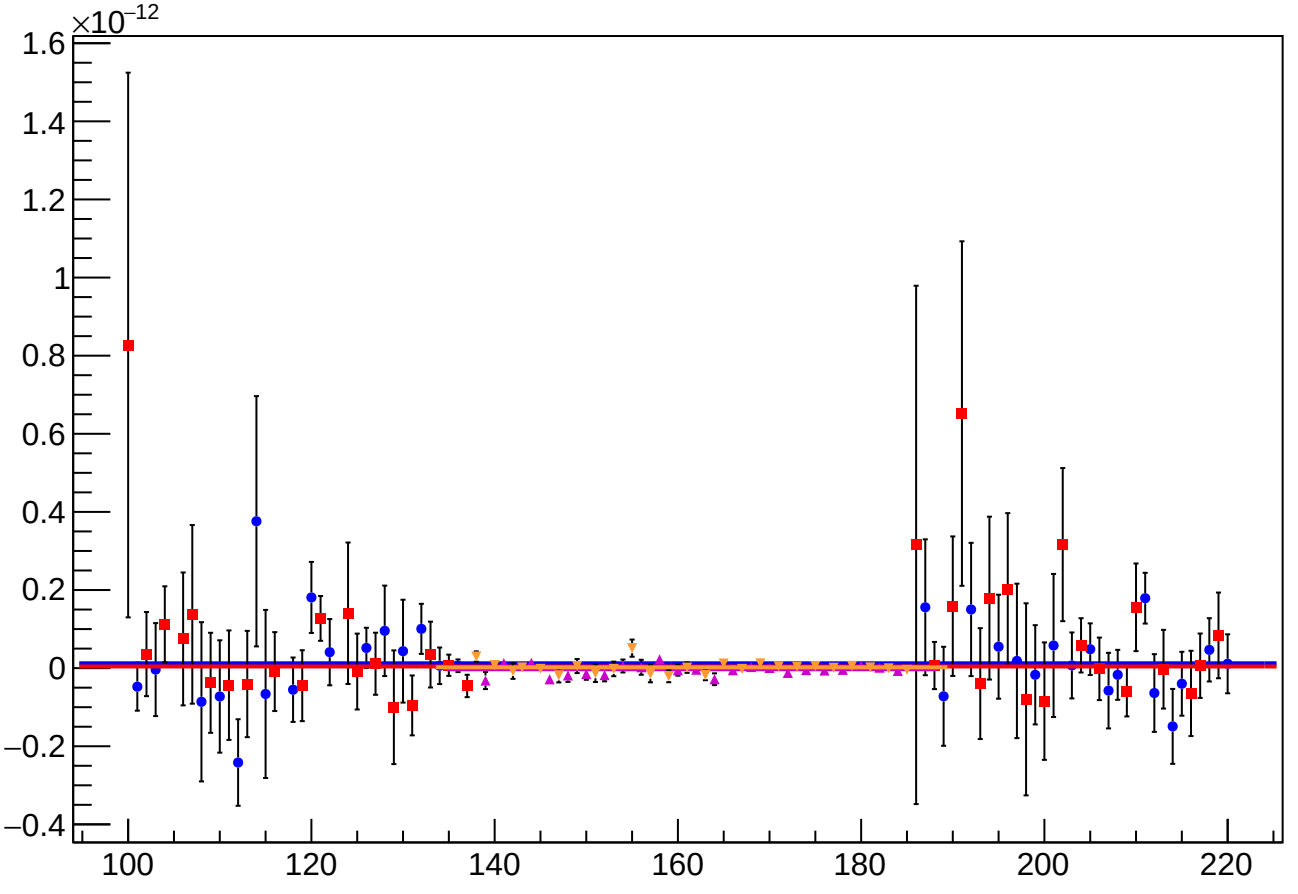
Right Out: 58.107+/-0.010 χ^2/NDF: 5343719.1/36

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 55.458+/-0.007 χ^2/NDF: 6236321.8/57

All: 55.872+/-0.005 χ^2/NDF: 12842107.1/117

- sign 56.312+/-0.007 χ^2/NDF: 6597628.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 29.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

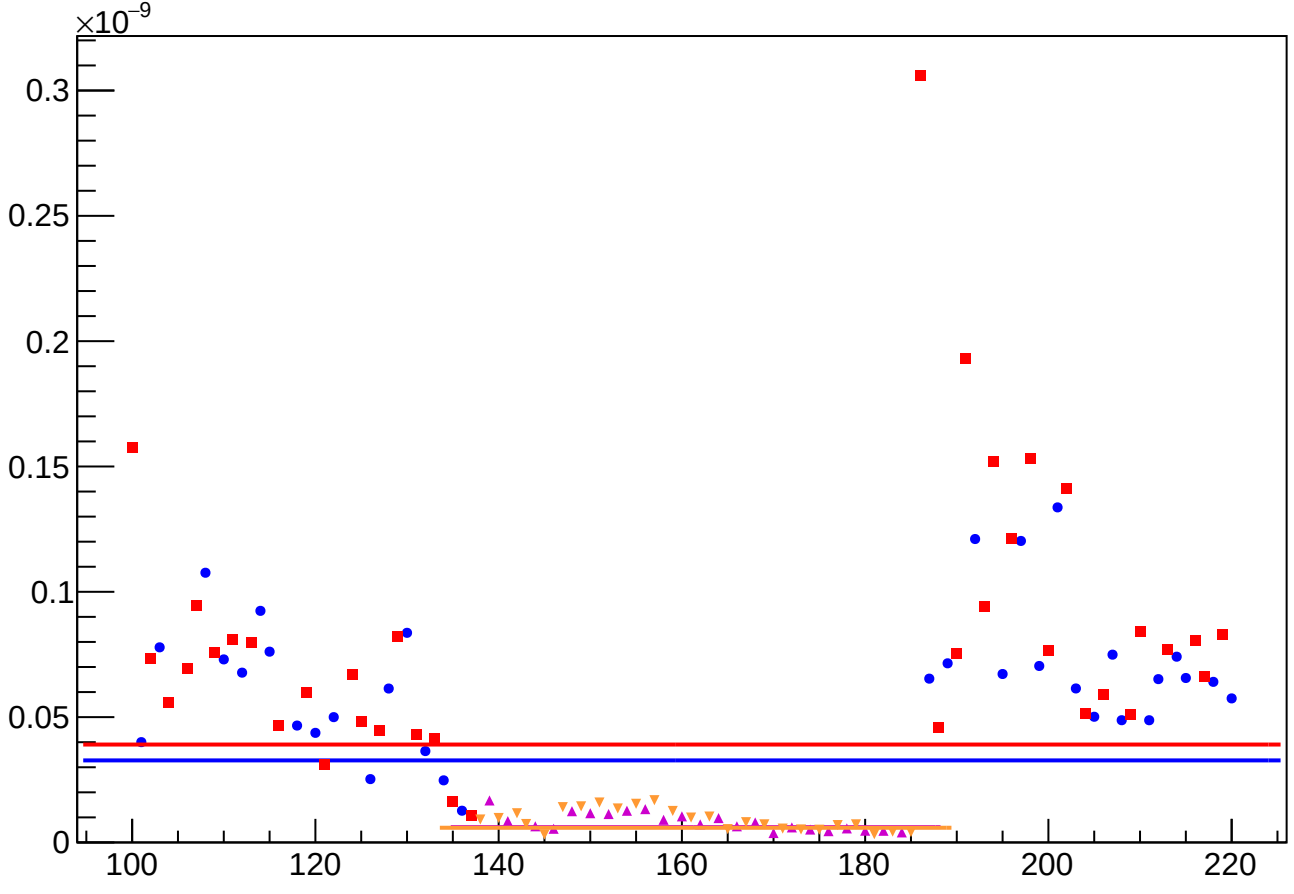
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/36

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.8/57

All: -0.000+/-0.000 χ^2/NDF: 114.7/117

- sign -0.000+/-0.000 χ^2/NDF: 60.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 9386346.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9505834.6/36

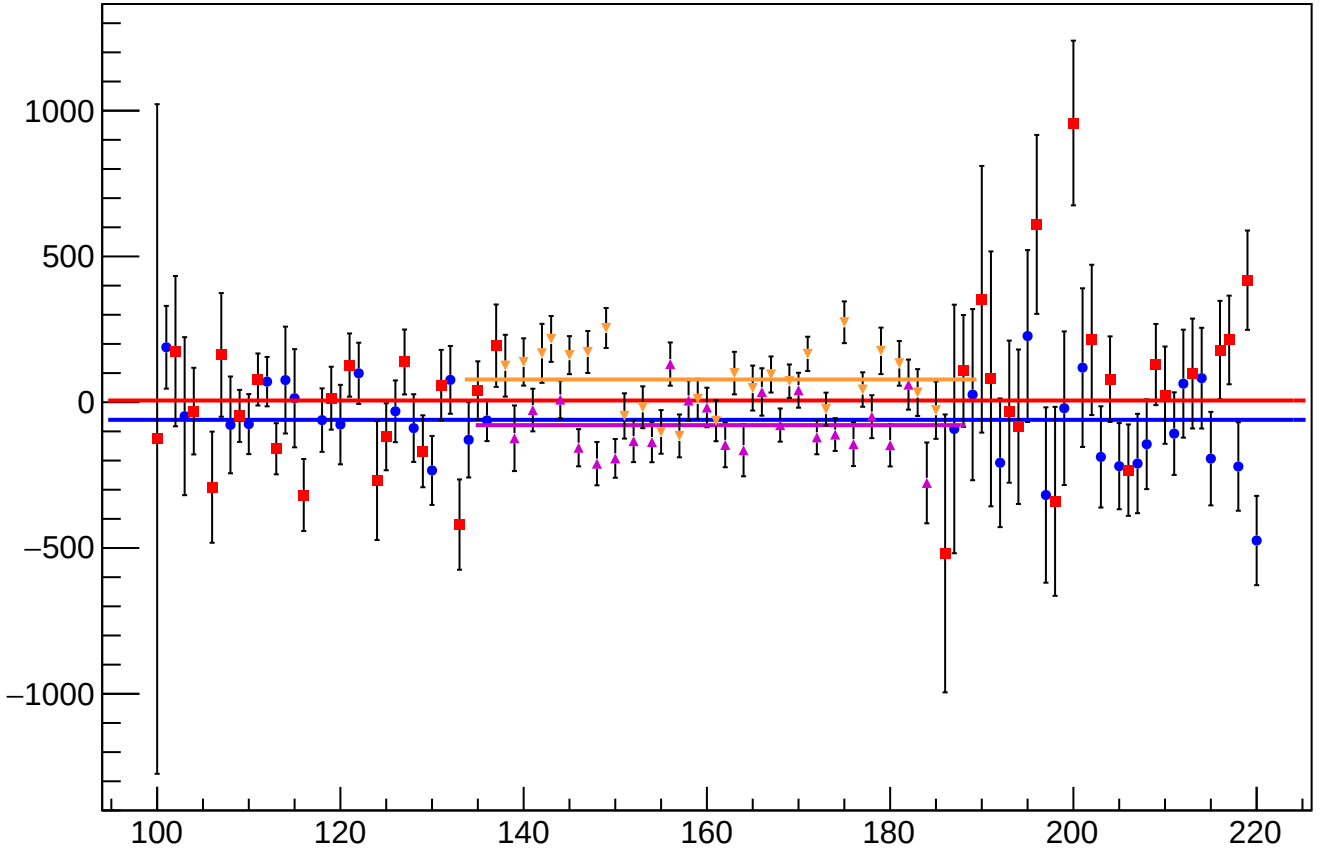
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 26042491.5/57

All: 0.000+/-0.000 χ^2/NDF: 51108264.1/117

- sign 0.000+/-0.000 χ^2/NDF: 25048854.7/59

reg_asym_sam_37_avg_mean vs Slug



Right In: -60.304+/-24.416 χ^2/NDF: 28.3/32

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: 5.983+/-24.461 χ^2/NDF: 63.9/36

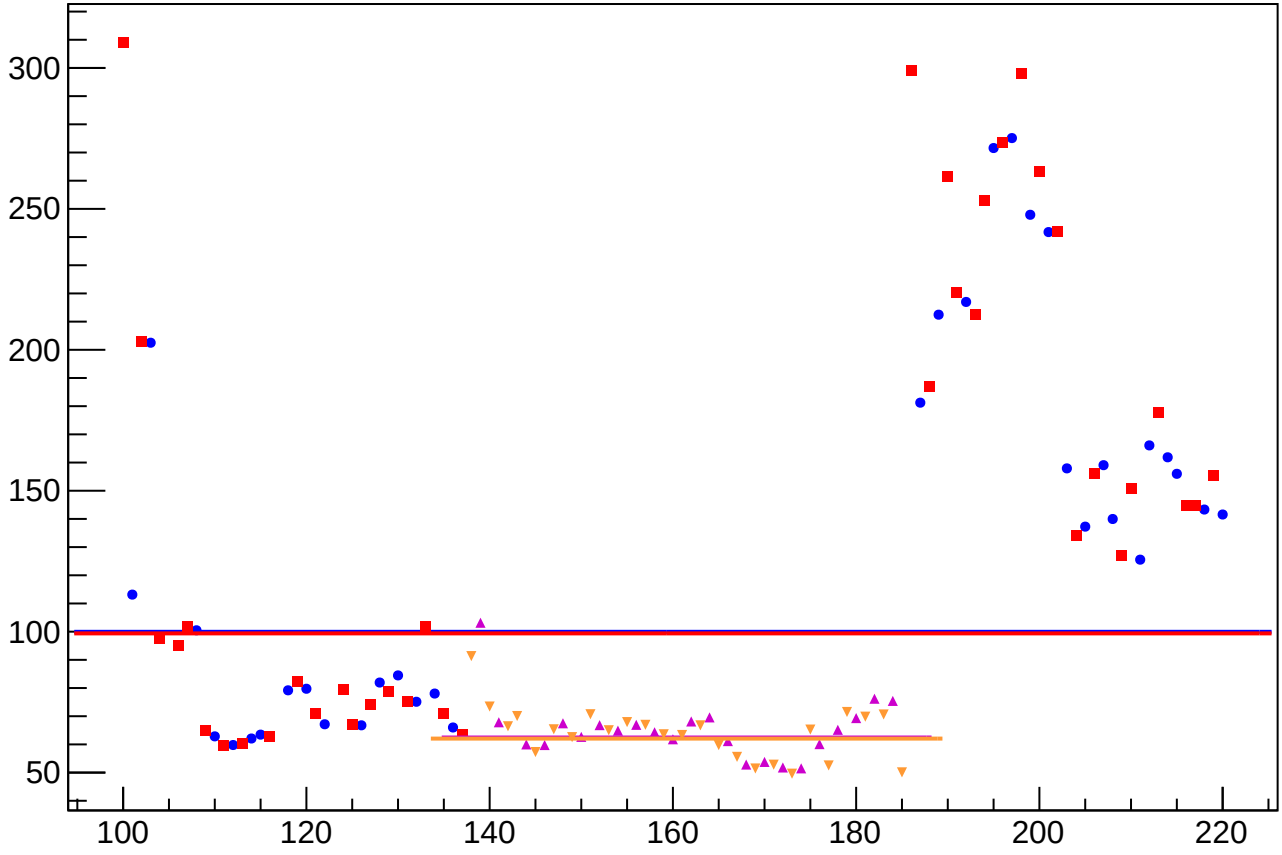
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

\+ sign 42.699+/-12.356 χ^2/NDF: 106.1/57

All: -5.334+/-8.846 χ^2/NDF: 246.4/117

\- sign -55.840+/-12.670 χ^2/NDF: 109.3/59

reg_asym_sam_37_avg_rms vs Slug



Right In: 99.944+/-0.017 χ^2/NDF: 7712715.2/32

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 99.386+/-0.017 χ^2/NDF: 9029995.2/36

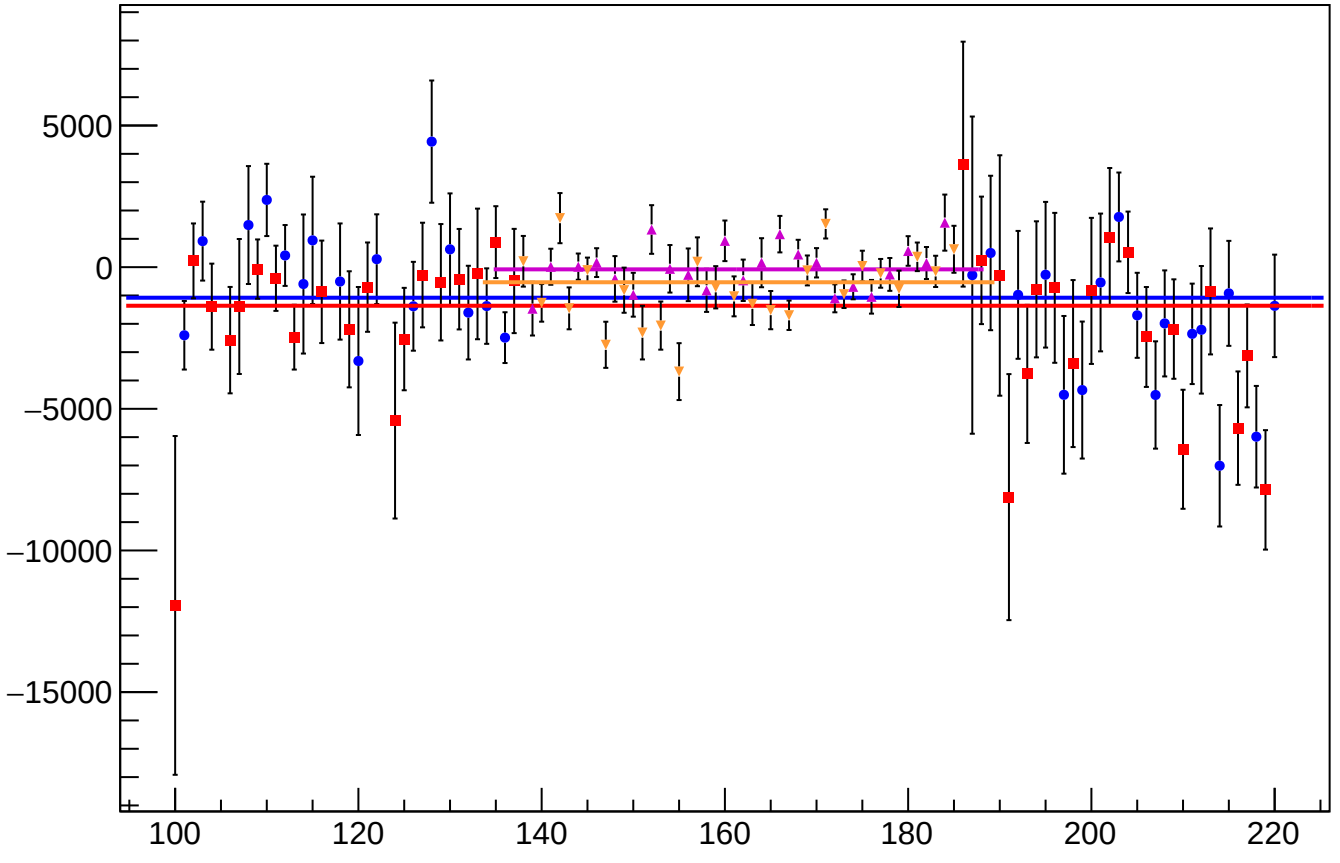
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 71.764+/-0.009 χ^2/NDF: 11980725.8/57

All: 72.052+/-0.006 χ^2/NDF: 25015150.5/117

- sign 72.355+/-0.009 χ^2/NDF: 13032190.8/59

asym_sam_37_avg_reg_correction_mean vs Slug



Right In: -1078.574+/-299.486 χ^2/NDF: 53.1/32

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

Right Out: -1361.830+/-303.844 χ^2/NDF: 45.0/36

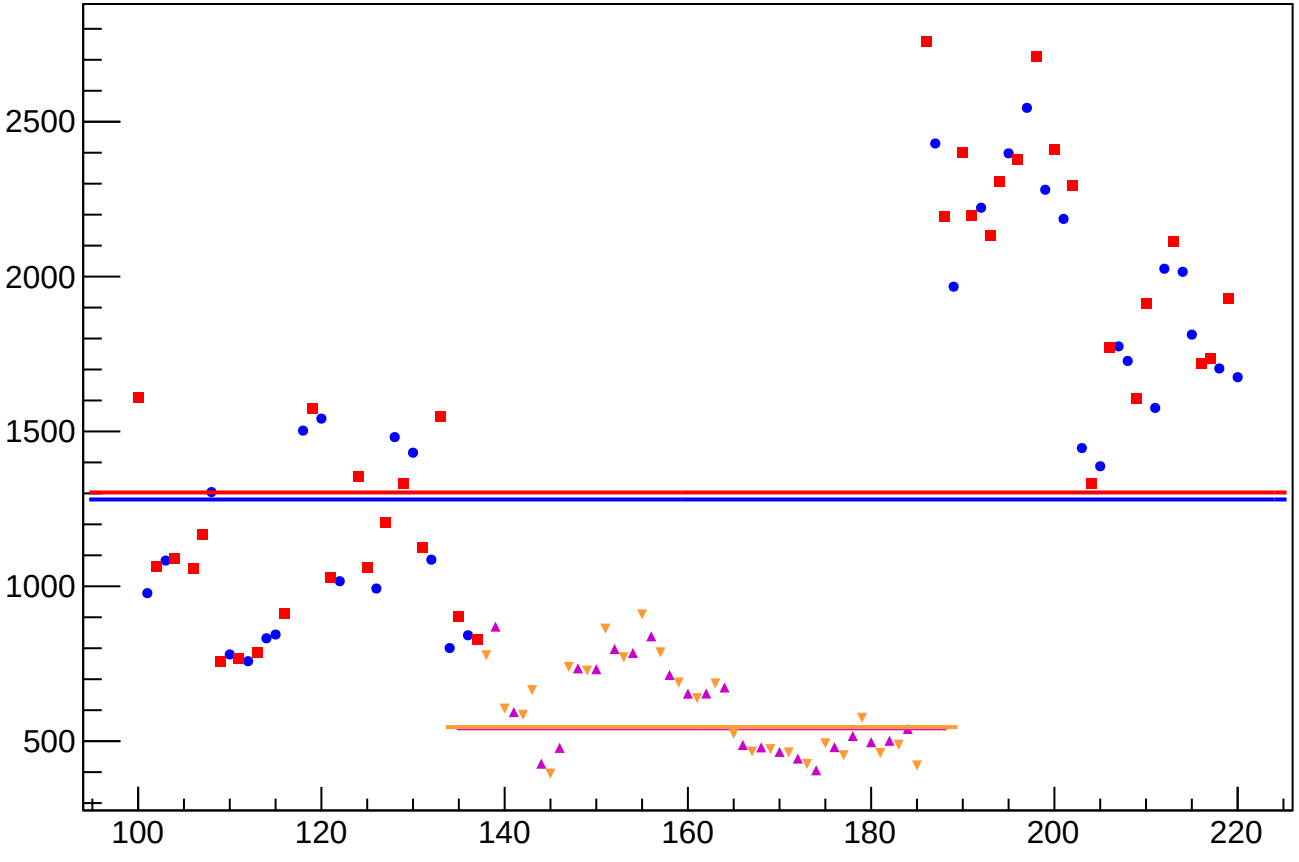
Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -616.998+/-117.643 χ^2/NDF: 125.1/57

All: -450.018+/-83.927 χ^2/NDF: 217.6/117

- sign -276.956+/-119.766 χ^2/NDF: 88.5/59

asym_sam_37_avg_reg_correction_rms vs Slug



Right In: 1280.337+/-0.212 χ^2/NDF: 5183592.7/32

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1302.917+/-0.215 χ^2/NDF: 5979414.4/36

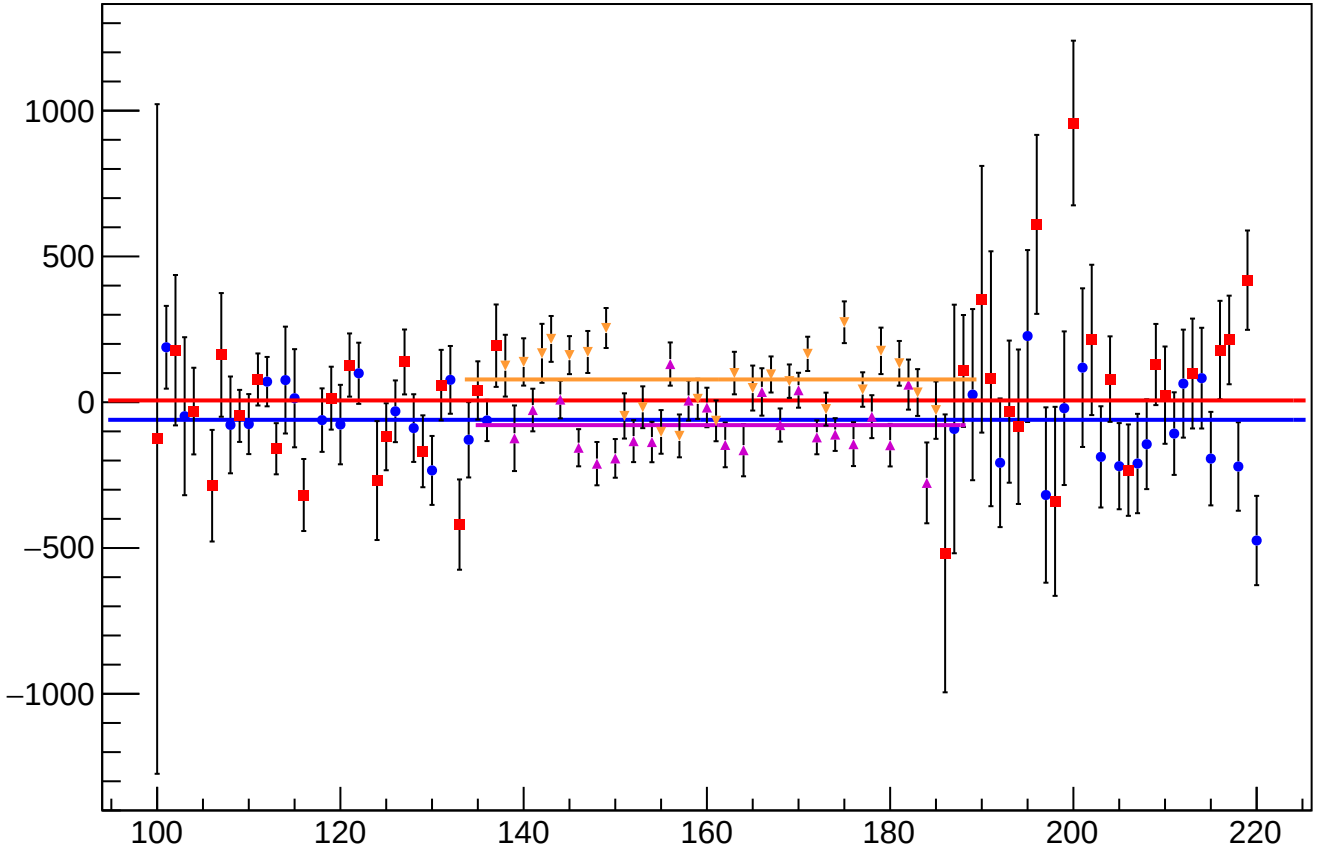
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 658.724+/-0.083 χ^2/NDF: 17455632.2/57

All: 659.236+/-0.059 χ^2/NDF: 35884780.6/11

- sign 659.766+/-0.085 χ^2/NDF: 18429071.4/59

cor_asym_sam_37_avg_mean vs Slug



Right In: -60.311+/-24.416 χ^2/NDF: 28.3/32

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 6.136+/-24.463 χ^2/NDF: 63.8/36

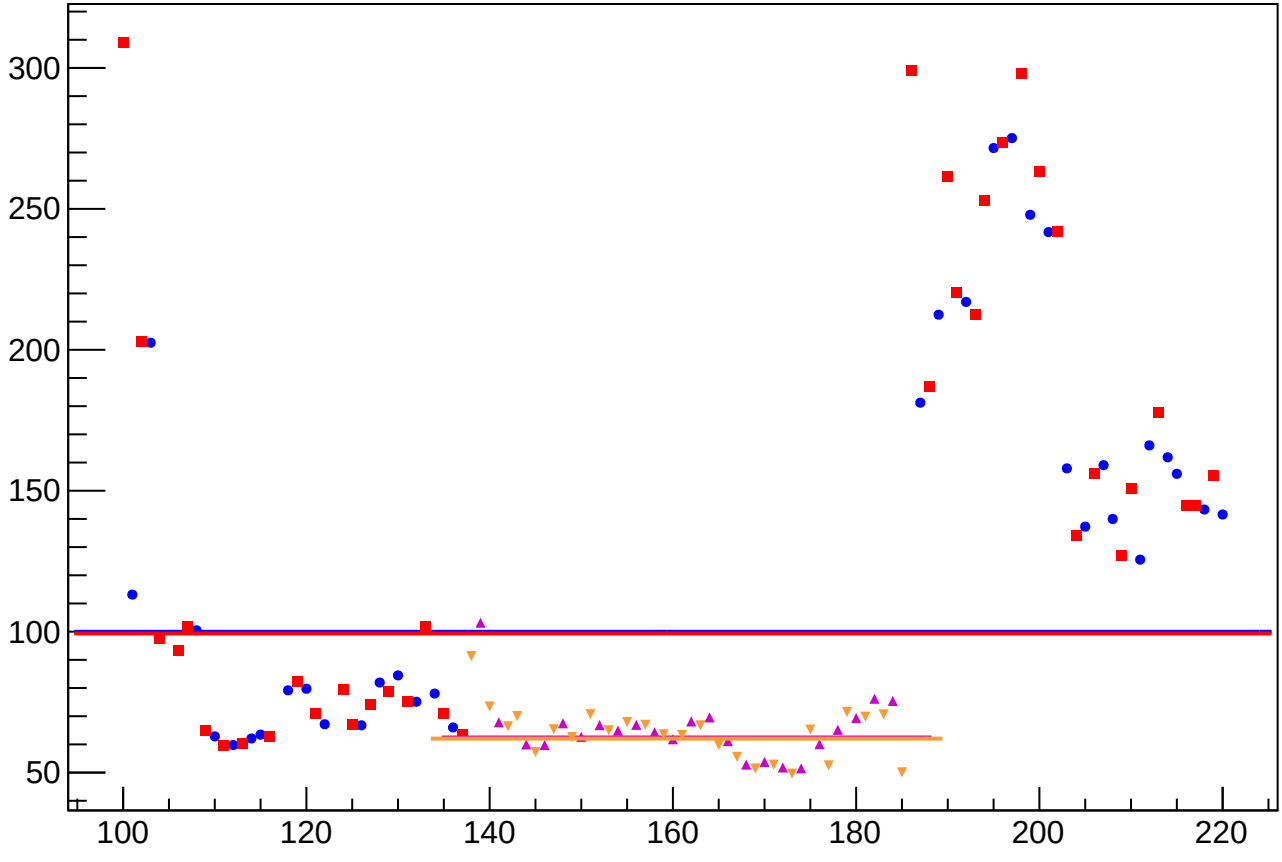
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 42.700+/-12.356 χ^2/NDF: 106.2/57

All: -5.314+/-8.846 χ^2/NDF: 246.3/117

- sign -55.802+/-12.670 χ^2/NDF: 109.2/59

cor_asym_sam_37_avg_rms vs Slug



Right In: 99.944+/-0.017 χ^2/NDF: 7712717.6/32

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 99.359+/-0.017 χ^2/NDF: 9031173.6/36

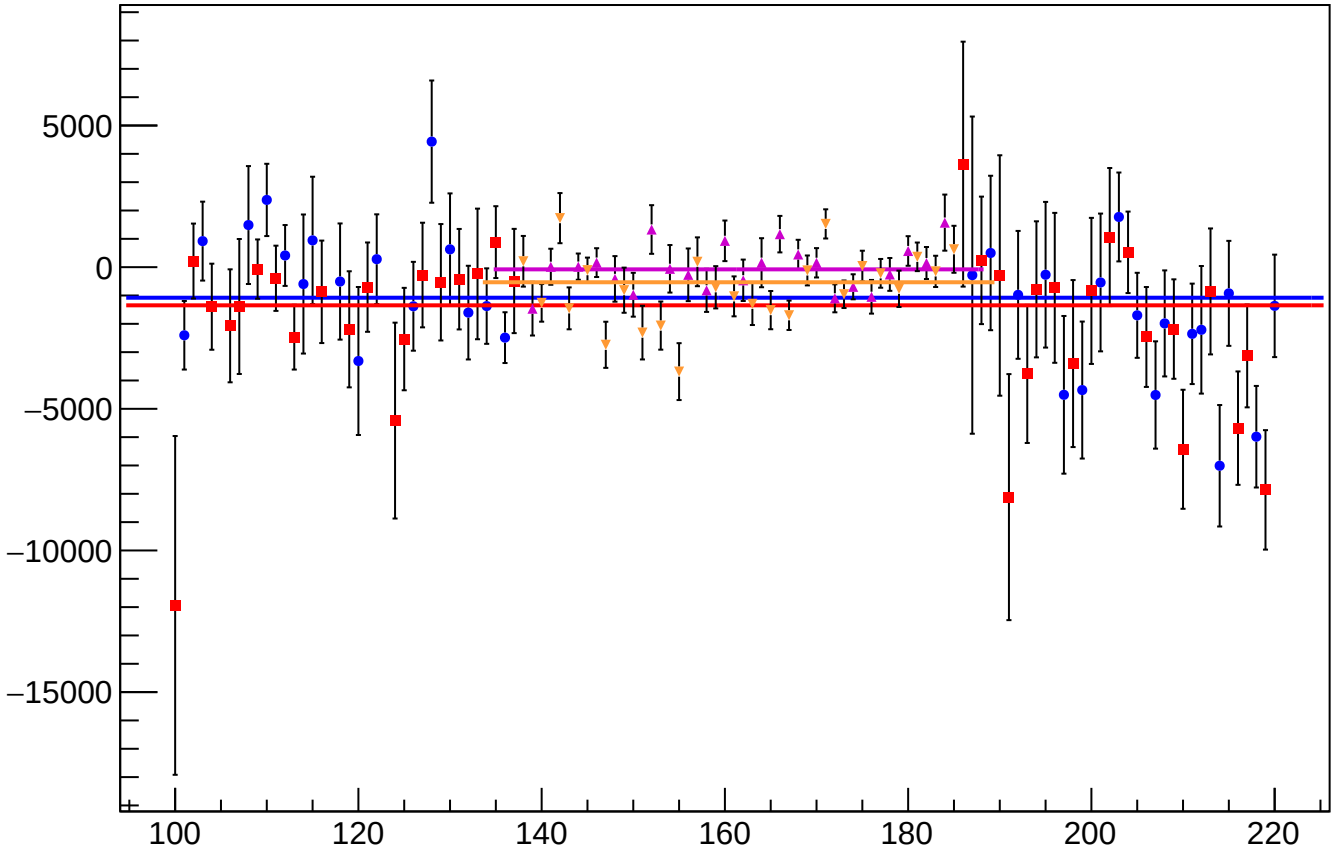
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 71.764+/-0.009 χ^2/NDF: 11980727.7/57

All: 72.048+/-0.006 χ^2/NDF: 25011005.0/117

- sign 72.347+/-0.009 χ^2/NDF: 13028106.2/59

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -1078.571+/-299.487 χ^2/NDF: 53.1/32

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -1346.958+/-304.308 χ^2/NDF: 44.7/36

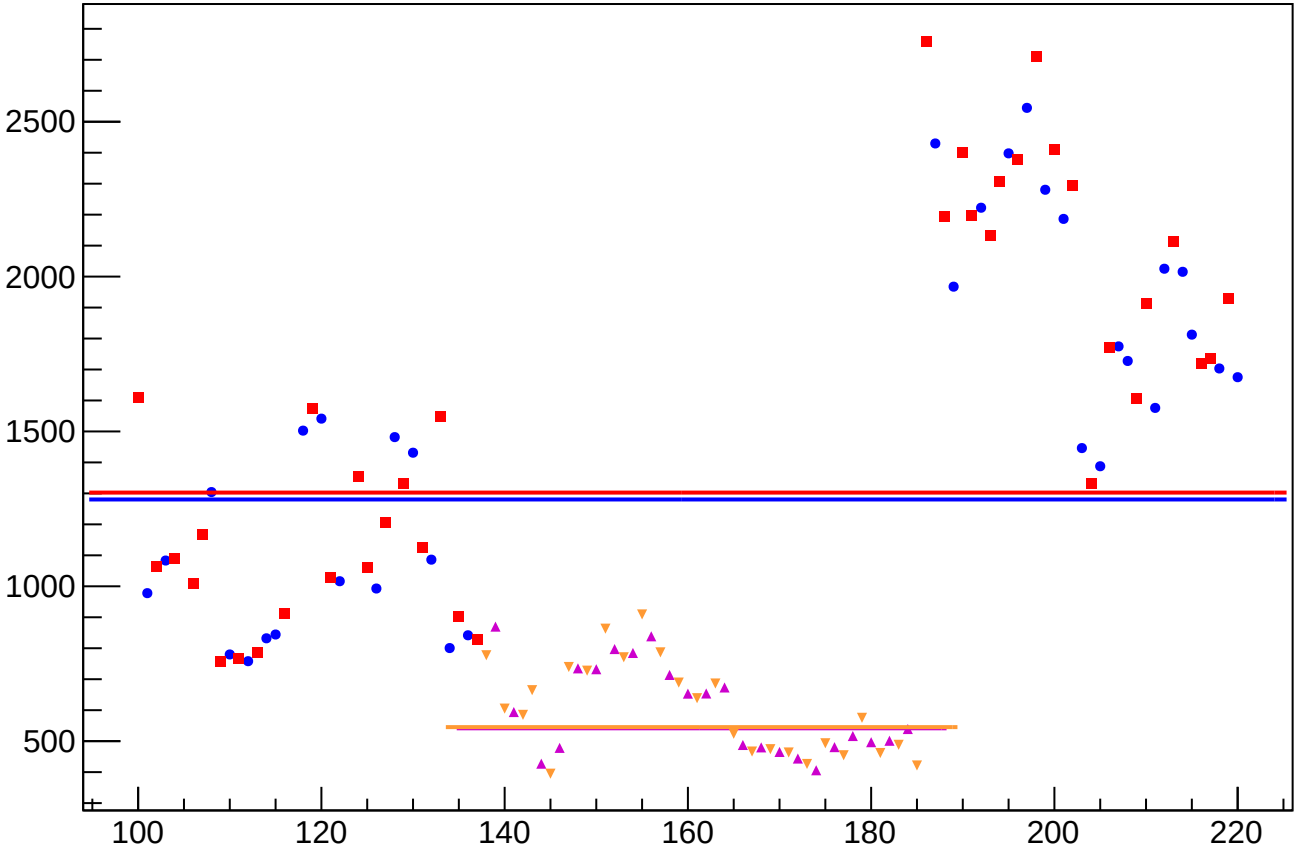
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -616.995+/-117.643 χ^2/NDF: 125.1/57

All: -448.672+/-83.937 χ^2/NDF: 217.0/117

- sign -274.137+/-119.795 χ^2/NDF: 87.8/59

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1280.343+/-0.212 χ^2/NDF: 5183546.3/32

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1302.586+/-0.215 χ^2/NDF: 5988077.4/36

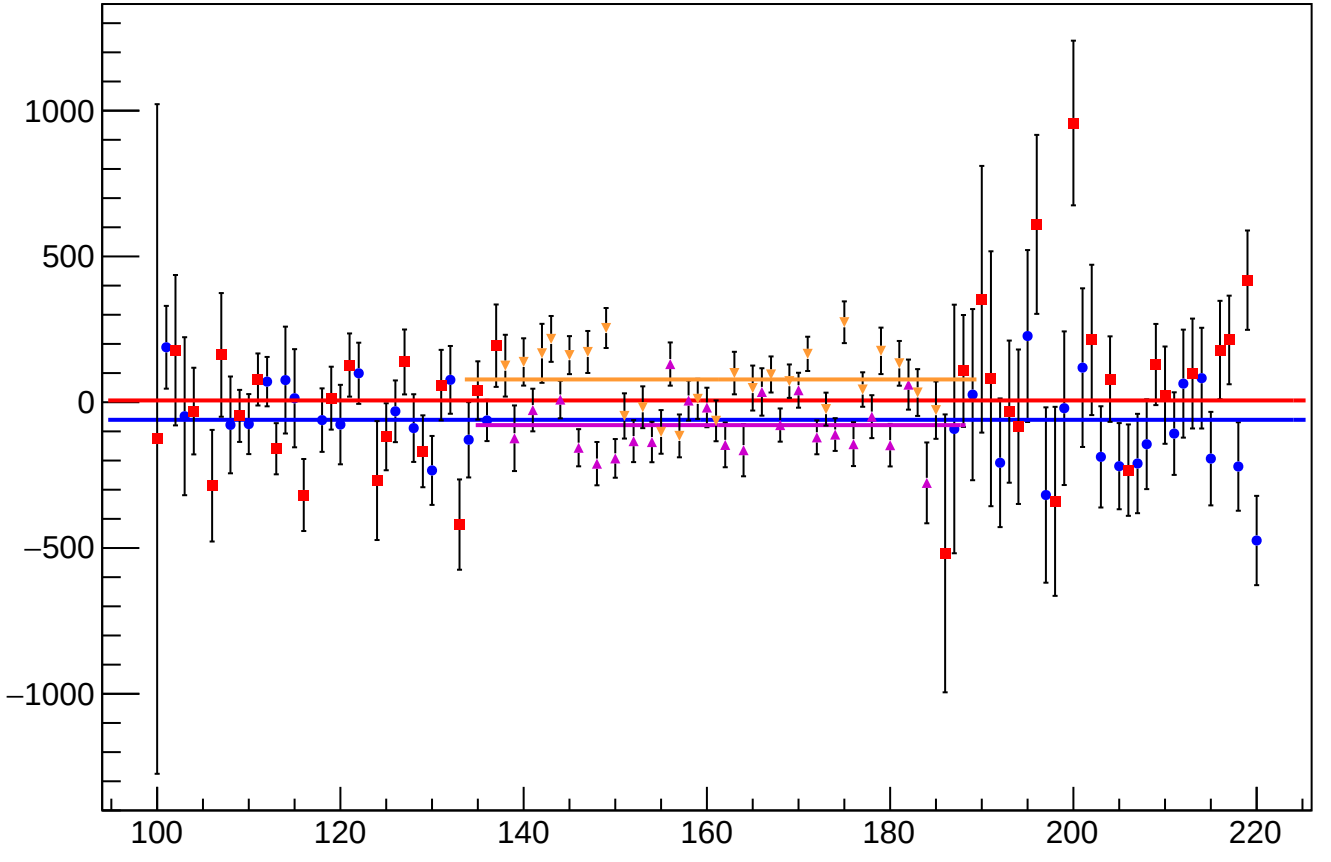
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 658.724+/-0.083 χ^2/NDF: 17455687.3/57

All: 659.061+/-0.059 χ^2/NDF: 35856957.9/11

- sign 659.410+/-0.085 χ^2/NDF: 18401237.2/59

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -60.311+/-24.416 χ^2/NDF: 28.3/32

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: 6.136+/-24.463 χ^2/NDF: 63.8/36

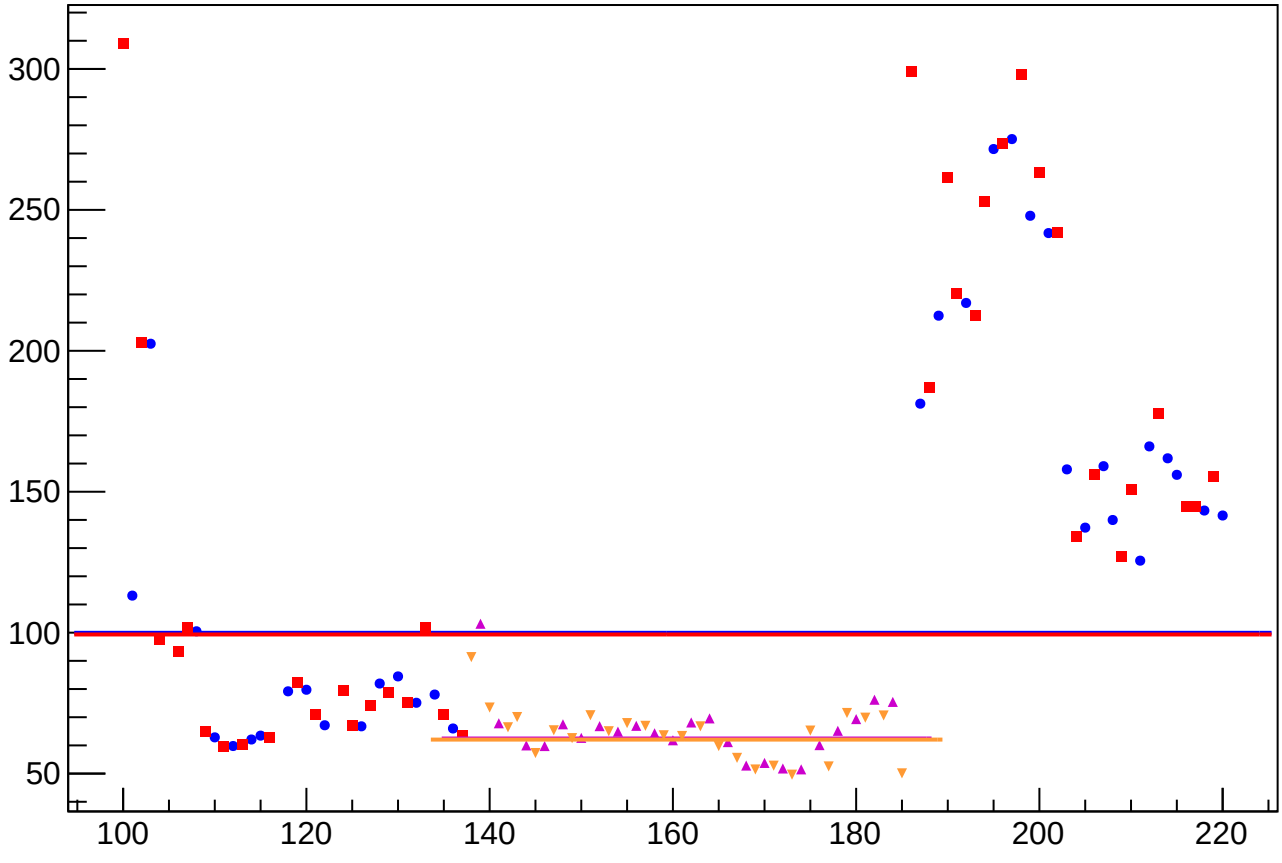
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 42.700+/-12.356 χ^2/NDF: 106.2/57

All: -5.314+/-8.846 χ^2/NDF: 246.3/117

- sign -55.802+/-12.670 χ^2/NDF: 109.2/59

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 99.944+/-0.017 χ^2/NDF: 7712717.6/32

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

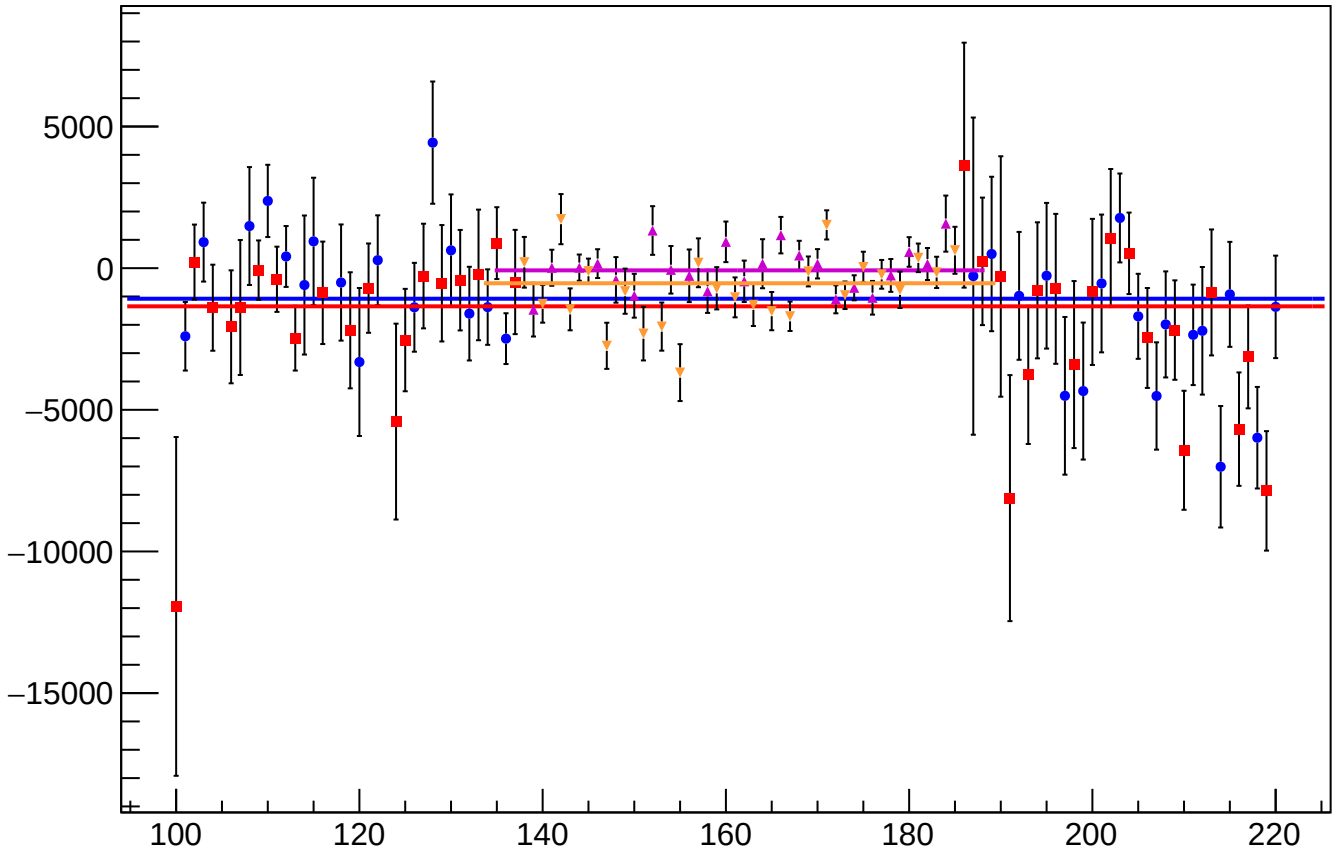
Right Out: 99.359+/-0.017 χ^2/NDF: 9031173.6/36

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 71.764+/-0.009 χ^2/NDF: 11980727.7/57

All: 72.048+/-0.006 χ^2/NDF: 25011005.0/117

- sign 72.347+/-0.009 χ^2/NDF: 13028106.2/59



Right In: -1078.571+/-299.487 χ^2/NDF: 53.1/32

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

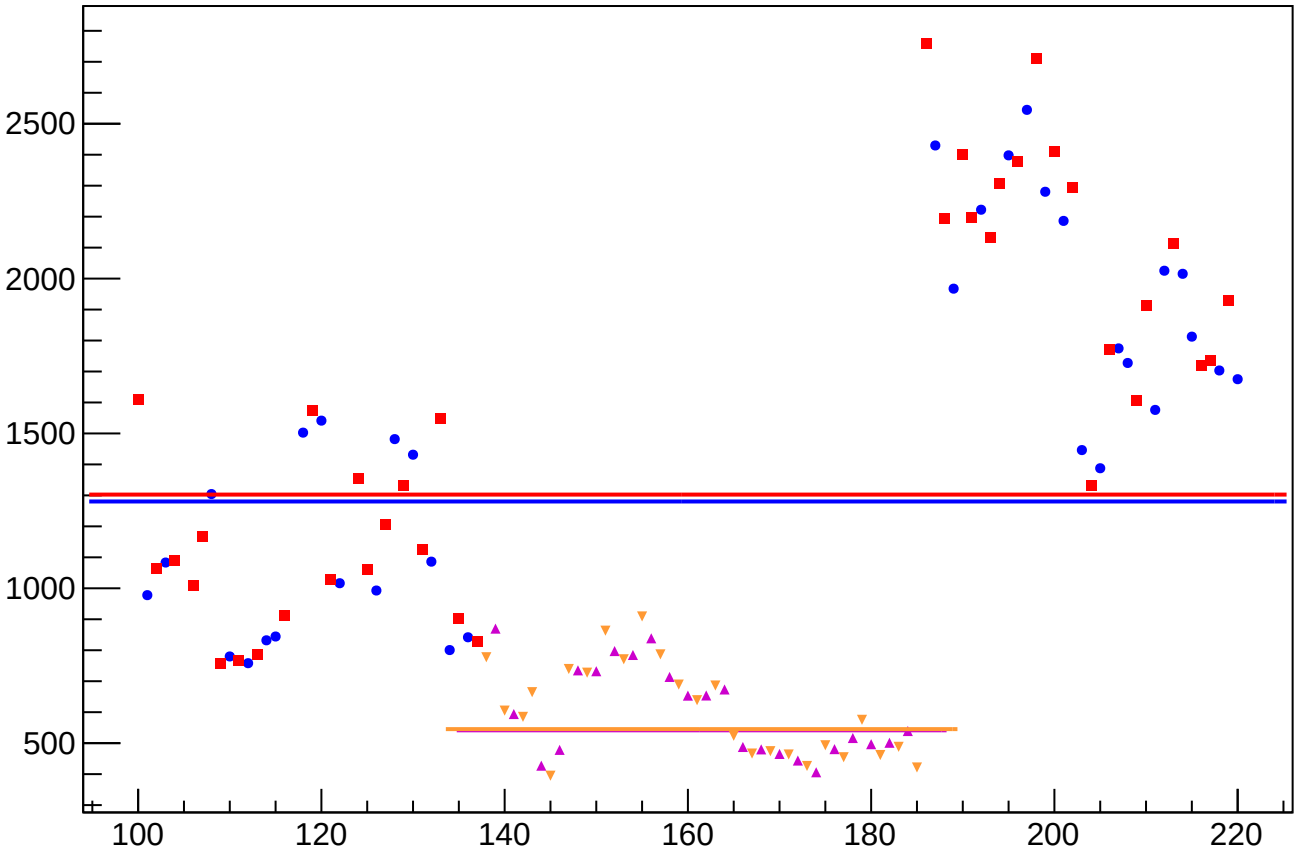
Right Out: -1346.958+/-304.308 χ^2/NDF: 44.7/36

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -616.995+/-117.643 χ^2/NDF: 125.1/57

All: -448.672+/-83.937 χ^2/NDF: 217.0/117

- sign -274.137+/-119.795 χ^2/NDF: 87.8/59



Right In: 1280.343+/-0.212 χ^2/NDF: 5183546.3/32

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1302.586+/-0.215 χ^2/NDF: 5988077.4/36

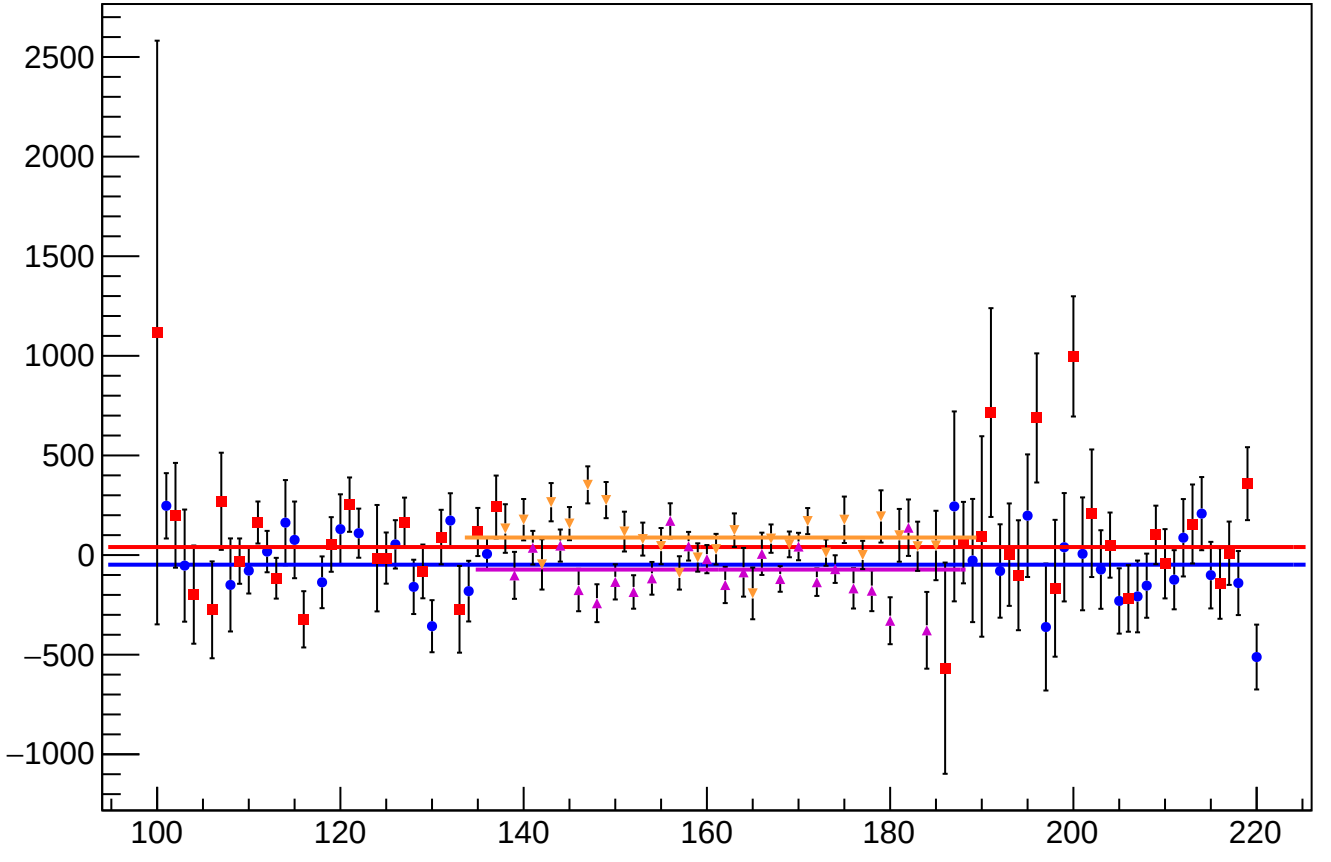
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 658.724+/-0.083 χ^2/NDF: 17455687.3/57

All: 659.061+/-0.059 χ^2/NDF: 35856957.9/11

- sign 659.410+/-0.085 χ^2/NDF: 18401237.2/59

dit_asym_sam_37_avg_mean vs Slug



Right In: -48.305+/-27.704 χ^2/NDF: 35.1/32

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 40.256+/-28.366 χ^2/NDF: 49.0/36

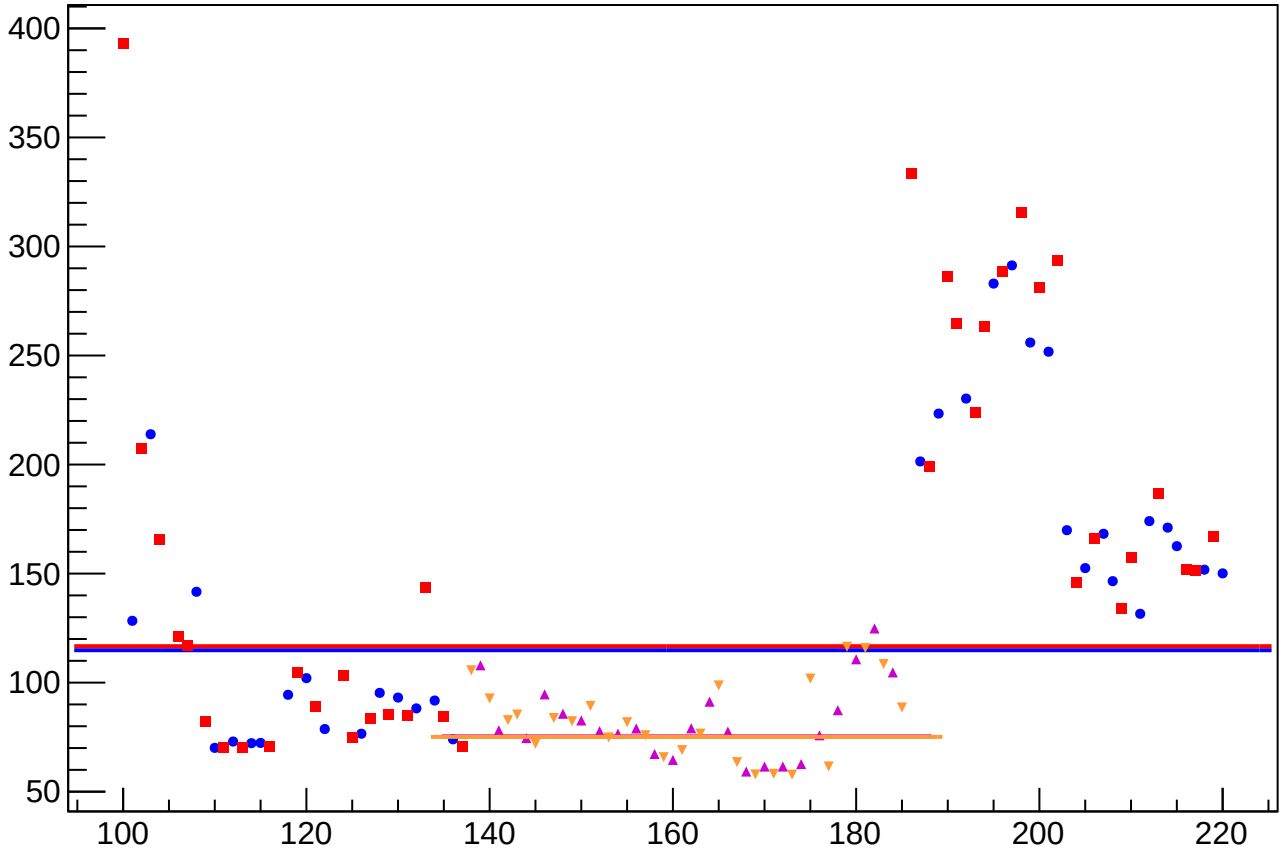
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 48.376+/-14.942 χ^2/NDF: 89.1/57

All: 5.575+/-10.711 χ^2/NDF: 204.7/117

- sign -39.671+/-15.363 χ^2/NDF: 98.7/59

dit_asym_sam_37_avg_rms vs Slug



Right In: 114.860+/-0.020 χ^2/NDF: 6557192.6/32

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 116.711+/-0.020 χ^2/NDF: 7931983.8/36

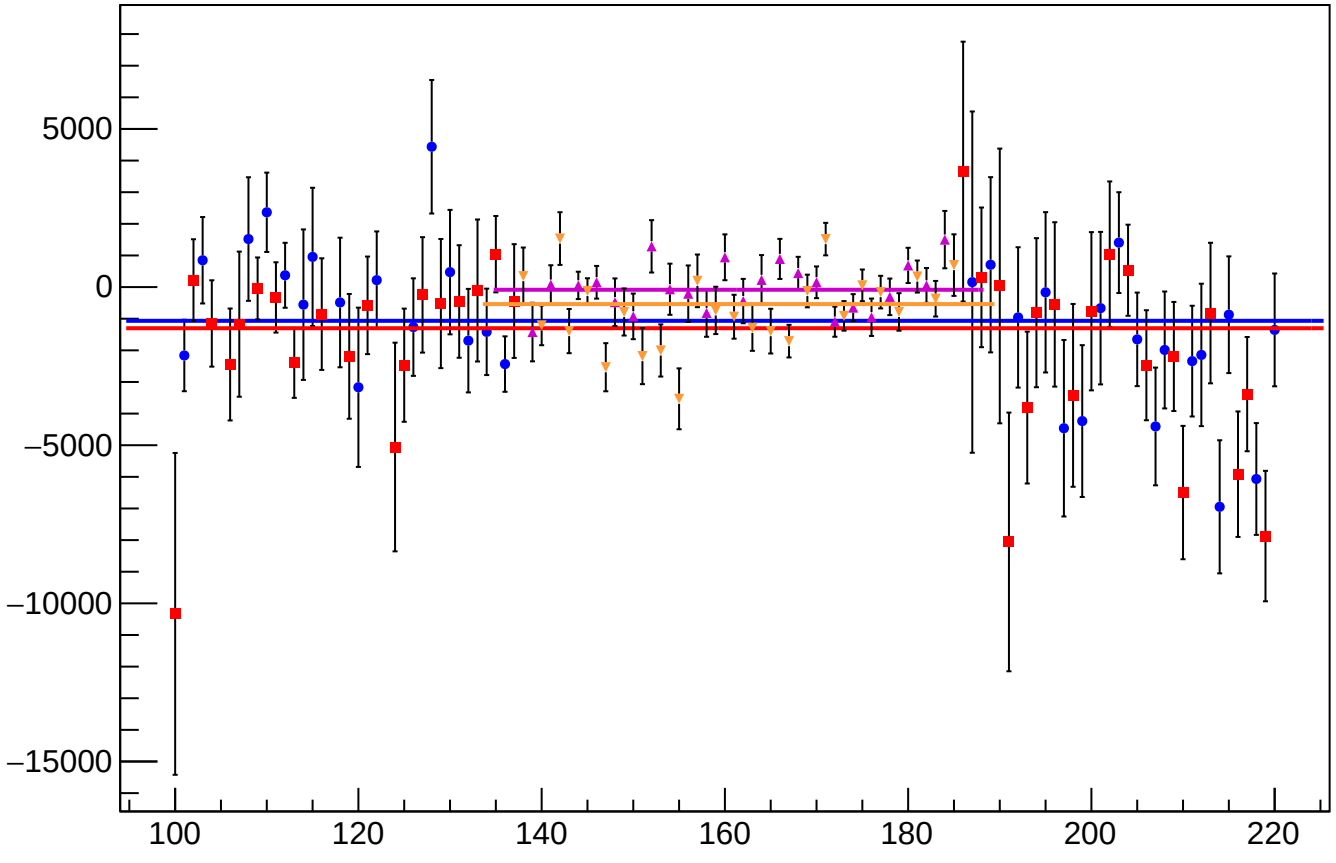
Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 86.687+/-0.011 χ^2/NDF: 11075726.4/57

All: 87.078+/-0.008 χ^2/NDF: 23238864.5/117

- sign 87.492+/-0.011 χ^2/NDF: 12160313.1/59

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -1066.510+/-293.754 χ^2/NDF: 53.0/32

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -1300.944+/-294.531 χ^2/NDF: 48.6/36

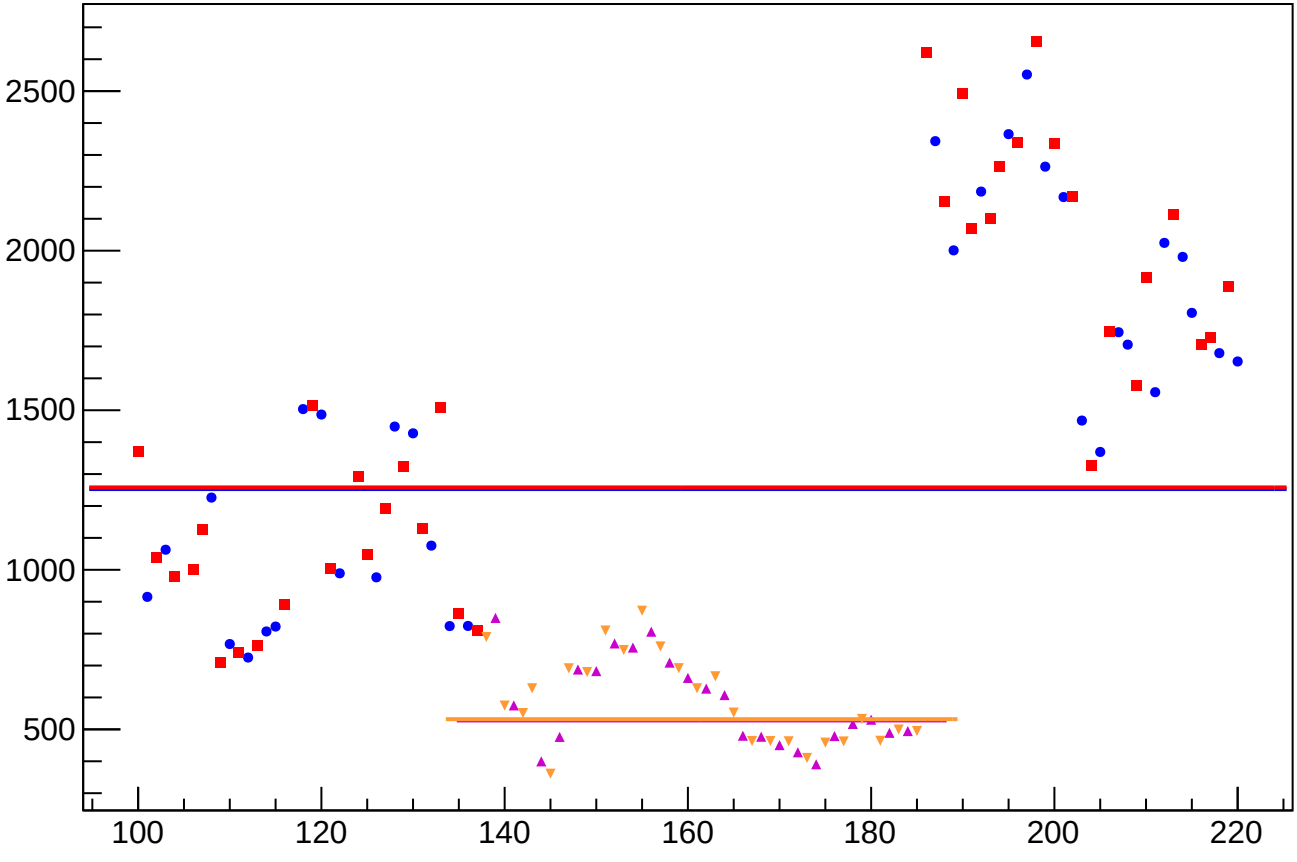
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -617.421+/-114.607 χ^2/NDF: 122.8/57

All: -449.459+/-81.753 χ^2/NDF: 217.6/117

- sign -275.454+/-116.651 χ^2/NDF: 90.4/59

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1253.094+/-0.208 χ^2/NDF: 5376352.3/32

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1258.125+/-0.208 χ^2/NDF: 6282286.4/36

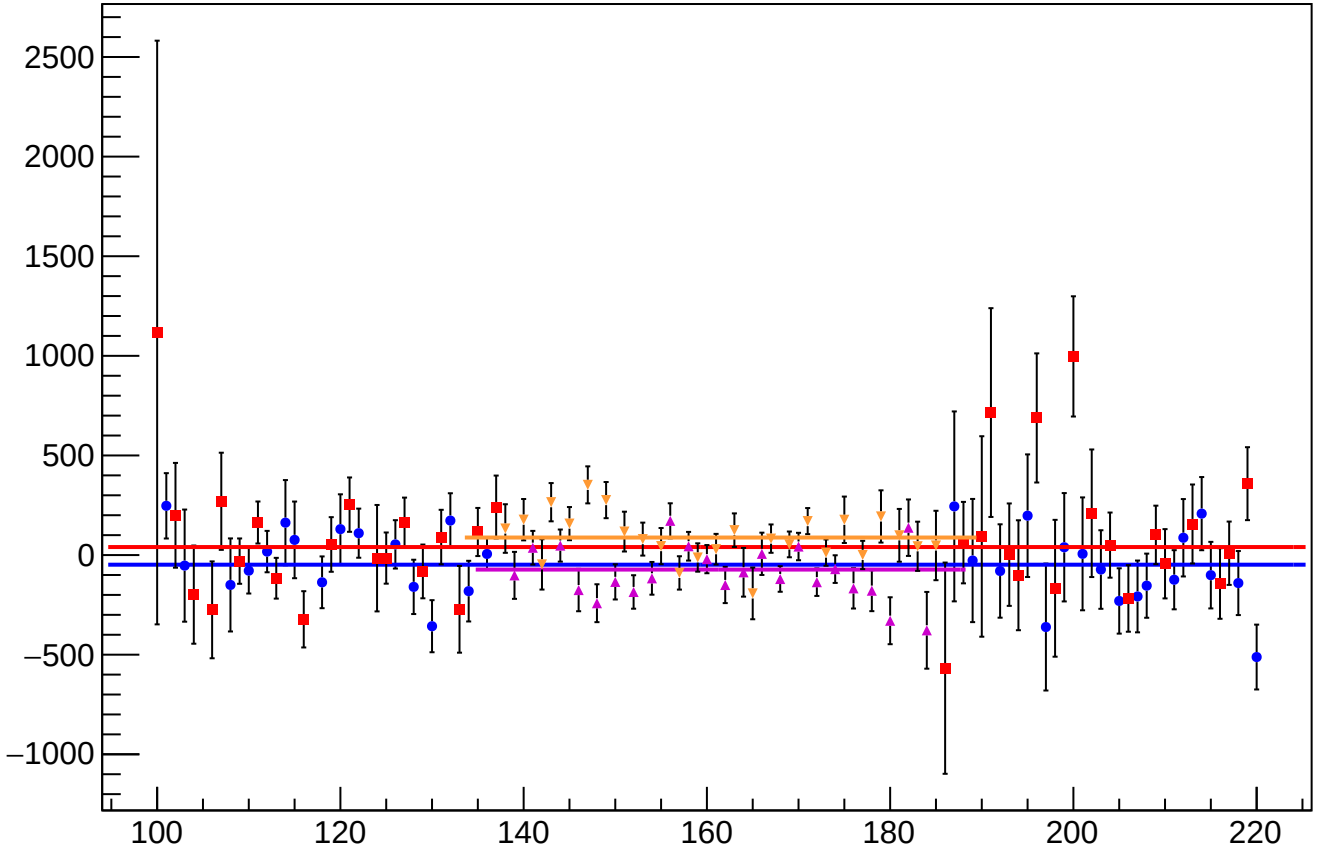
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 641.653+/-0.081 χ^2/NDF: 17634949.1/57

All: 642.077+/-0.058 χ^2/NDF: 36080576.7/11

- sign 642.516+/-0.082 χ^2/NDF: 18445571.9/59

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -48.305+/-27.704 χ^2/NDF: 35.1/32

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 40.259+/-28.366 χ^2/NDF: 49.0/36

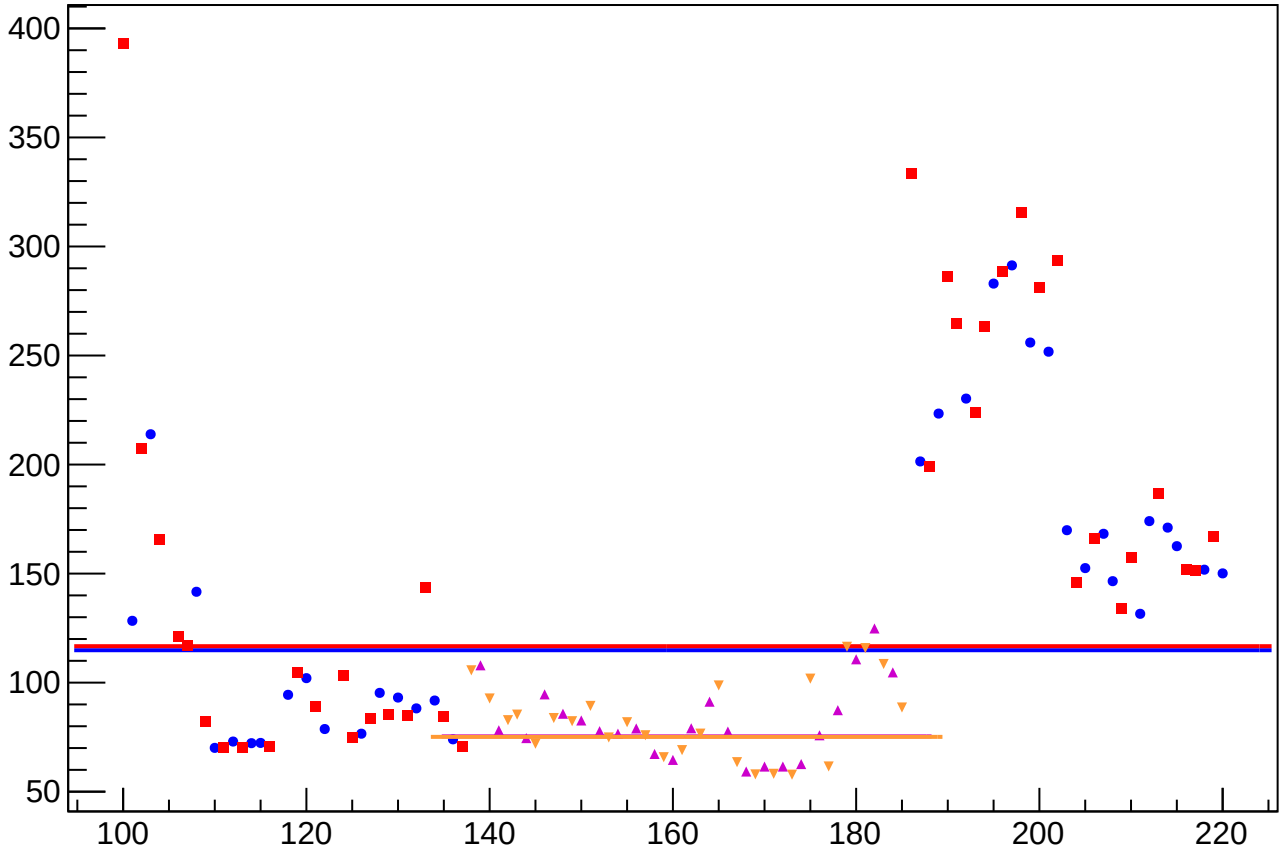
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 48.376+/-14.942 χ^2/NDF: 89.1/57

All: 5.576+/-10.712 χ^2/NDF: 204.7/117

- sign -39.669+/-15.363 χ^2/NDF: 98.7/59

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 114.861+/-0.020 χ^2/NDF: 6557138.7/32

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

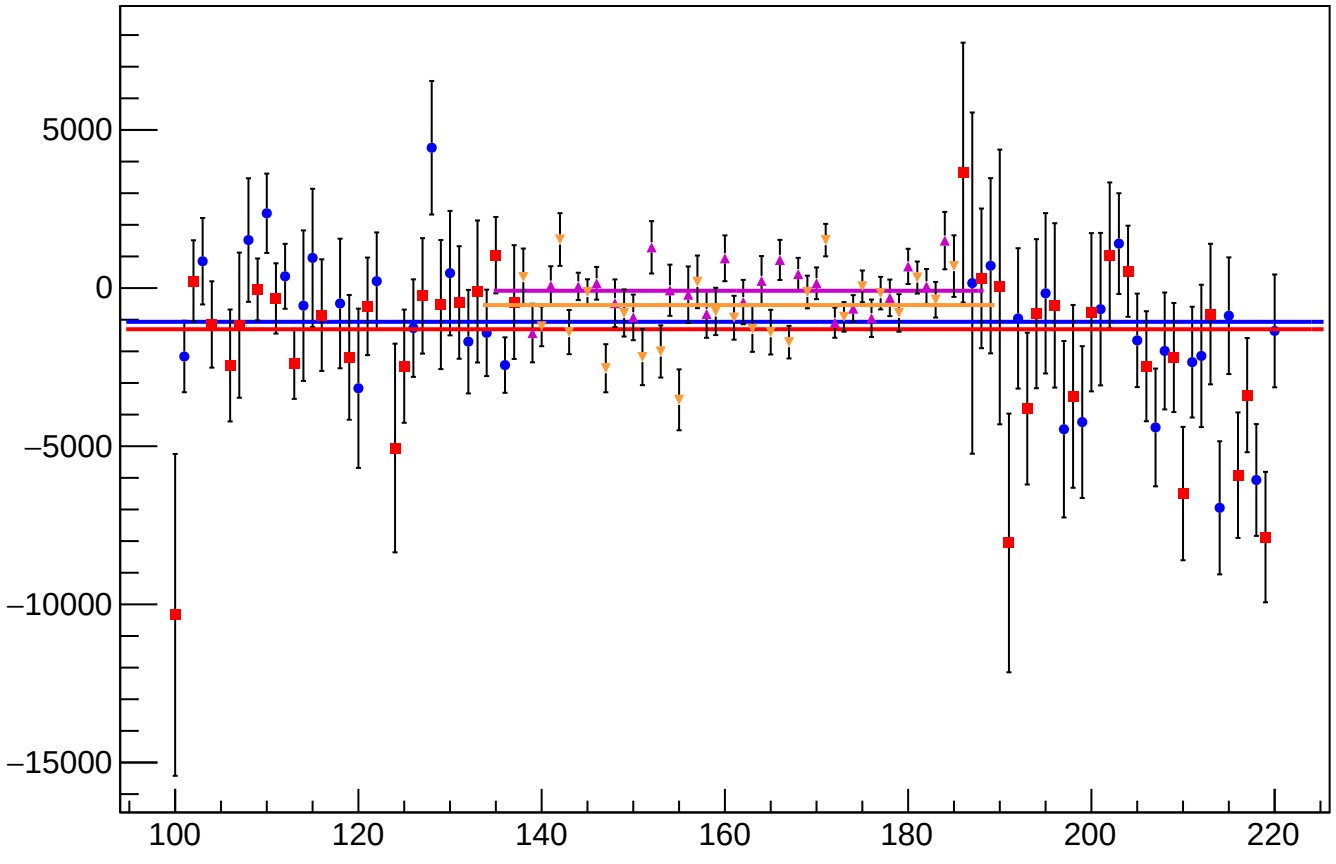
Right Out: 116.711+/-0.020 χ^2/NDF: 7931929.1/36

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 86.687+/-0.011 χ^2/NDF: 11075677.9/57

All: 87.078+/-0.008 χ^2/NDF: 23238783.2/117

- sign 87.492+/-0.011 χ^2/NDF: 12160280.3/59



Right In: -1066.506+/-293.753 χ^2/NDF: 53.0/32

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

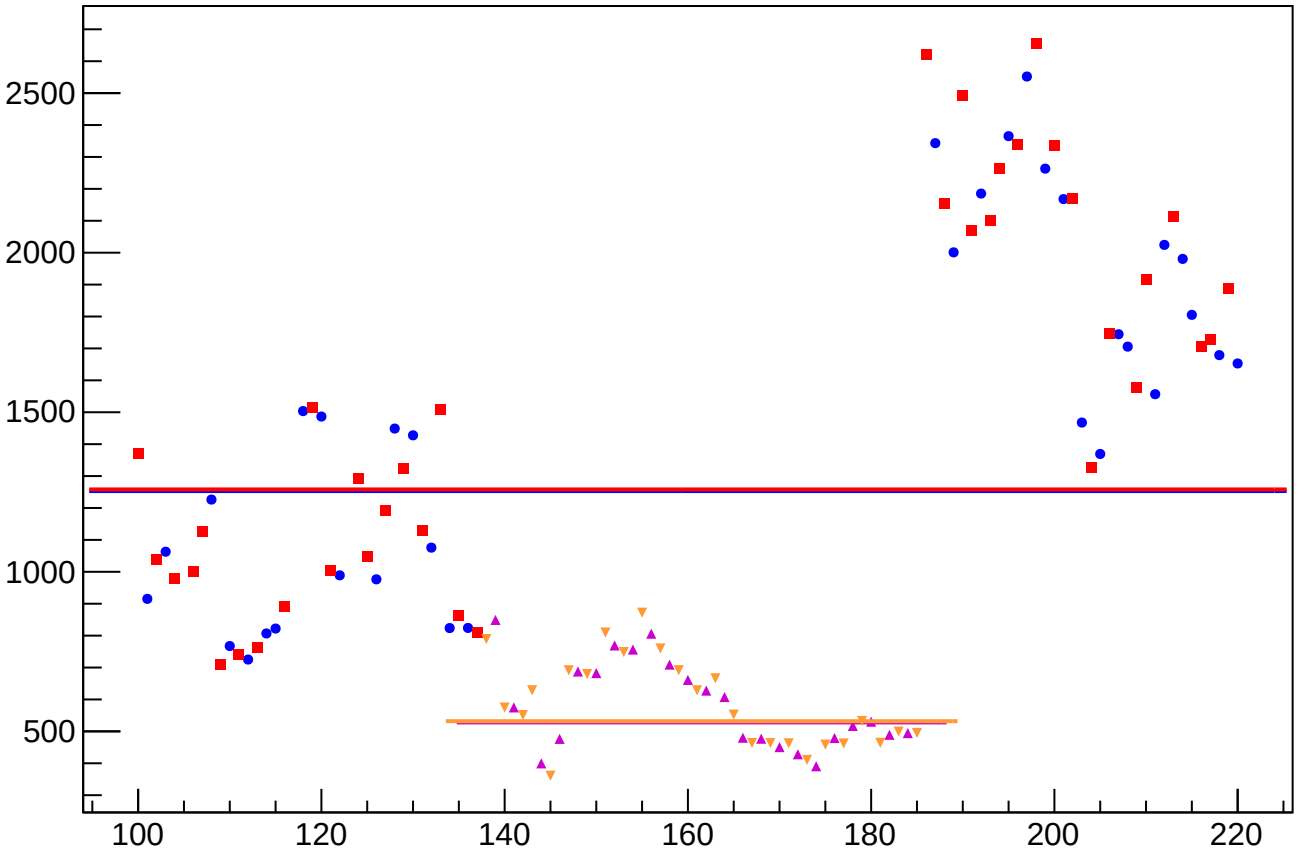
Right Out: -1300.942+/-294.531 χ^2/NDF: 48.6/36

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -617.421+/-114.607 χ^2/NDF: 122.8/57

All: -449.459+/-81.752 χ^2/NDF: 217.6/117

- sign -275.454+/-116.651 χ^2/NDF: 90.4/59



Right In: 1253.092+/-0.208 χ^2/NDF: 5376370.4/32

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1258.123+/-0.208 χ^2/NDF: 6282301.8/36

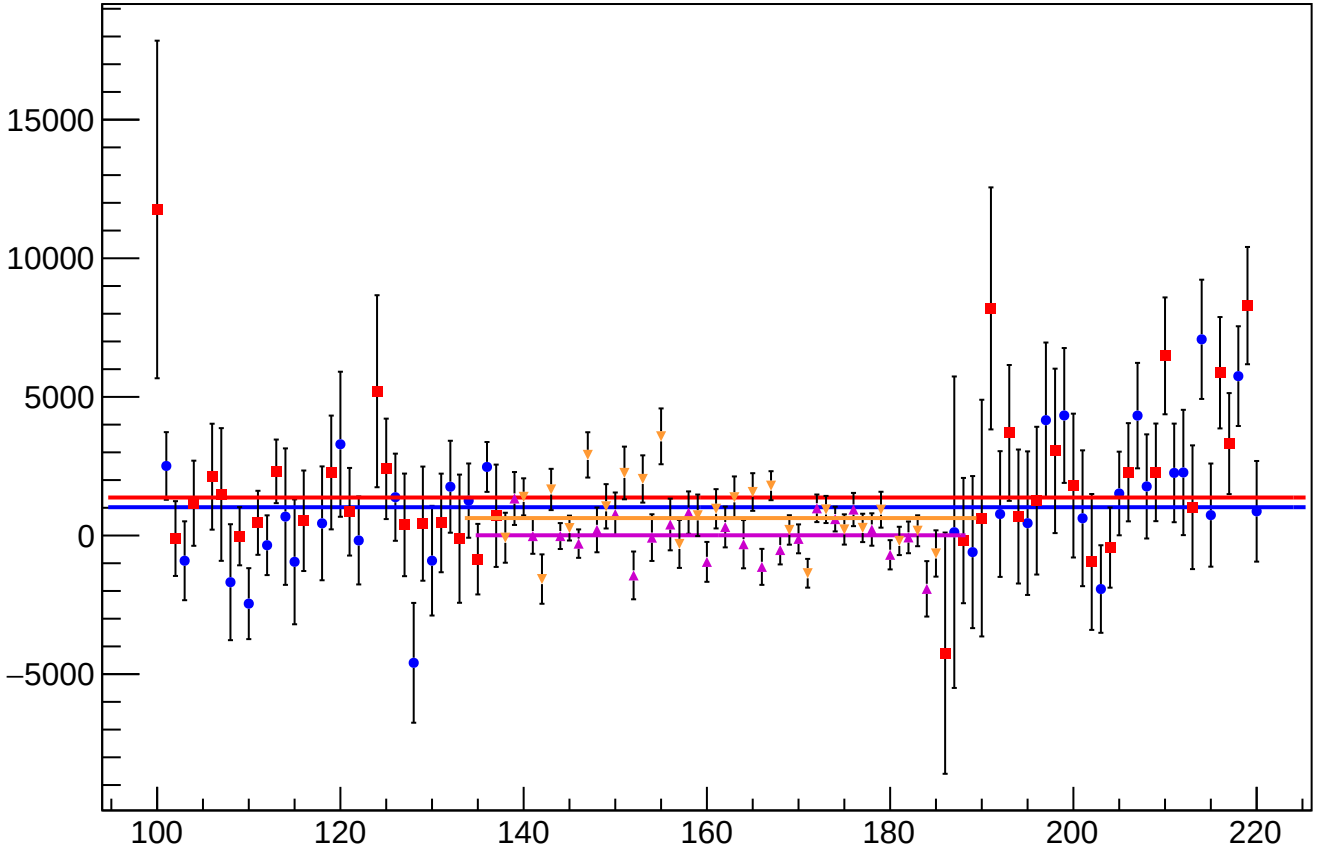
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 641.653+/-0.081 χ^2/NDF: 17634941.2/57

All: 642.076+/-0.058 χ^2/NDF: 36080552.8/11

- sign 642.515+/-0.082 χ^2/NDF: 18445556.0/59

asym_sam_37_avg_mean vs Slug



Right In: 1020.979+/-300.936 χ^2/NDF: 52.8/32

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 1370.987+/-305.406 χ^2/NDF: 45.5/36

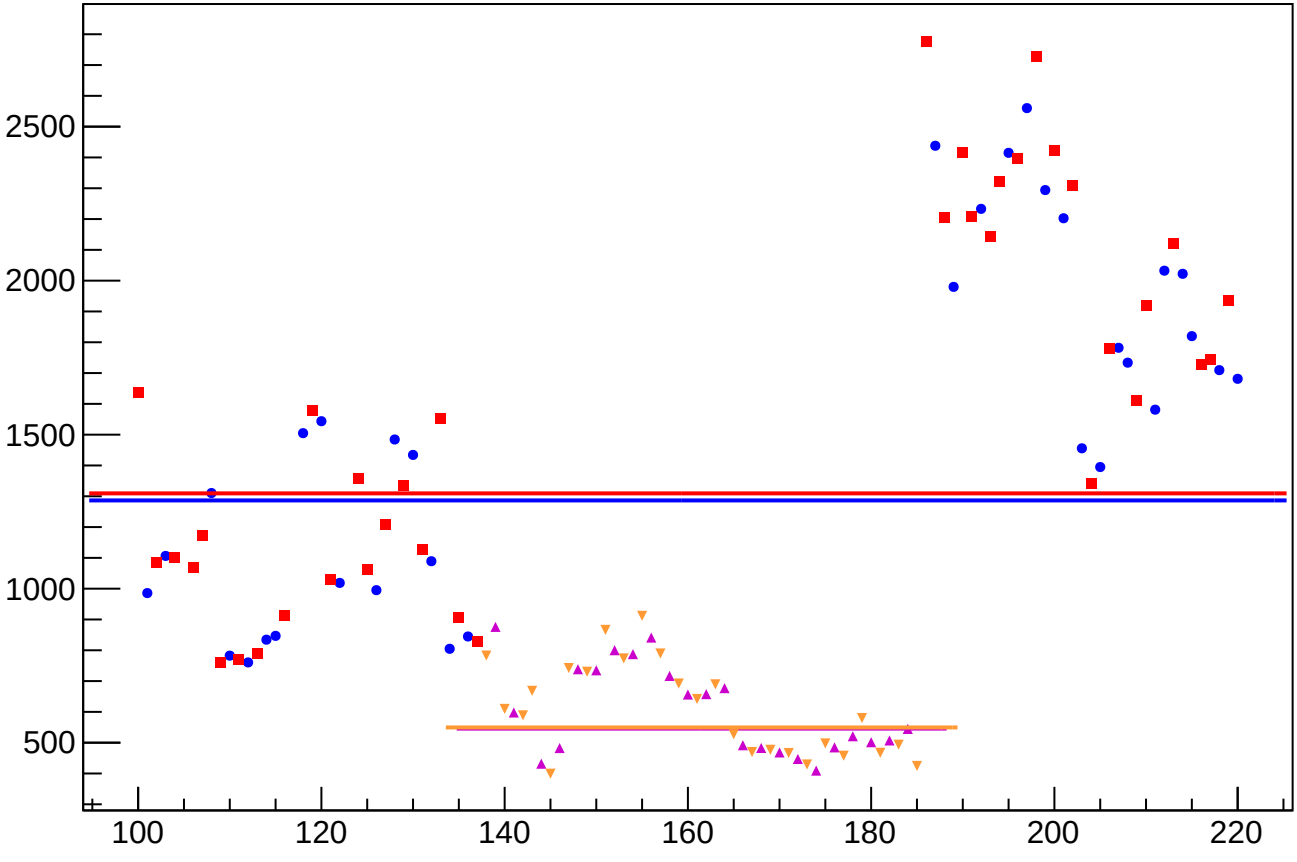
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 690.049+/-118.452 χ^2/NDF: 119.1/57

All: 459.762+/-84.513 χ^2/NDF: 216.4/117

- sign 220.982+/-120.616 χ^2/NDF: 89.6/59

asym_sam_37_avg_rms vs Slug



Right In: 1286.520+/-0.213 χ^2/NDF: 5184711.7/32

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

Right Out: 1309.431+/-0.216 χ^2/NDF: 5982284.8/36

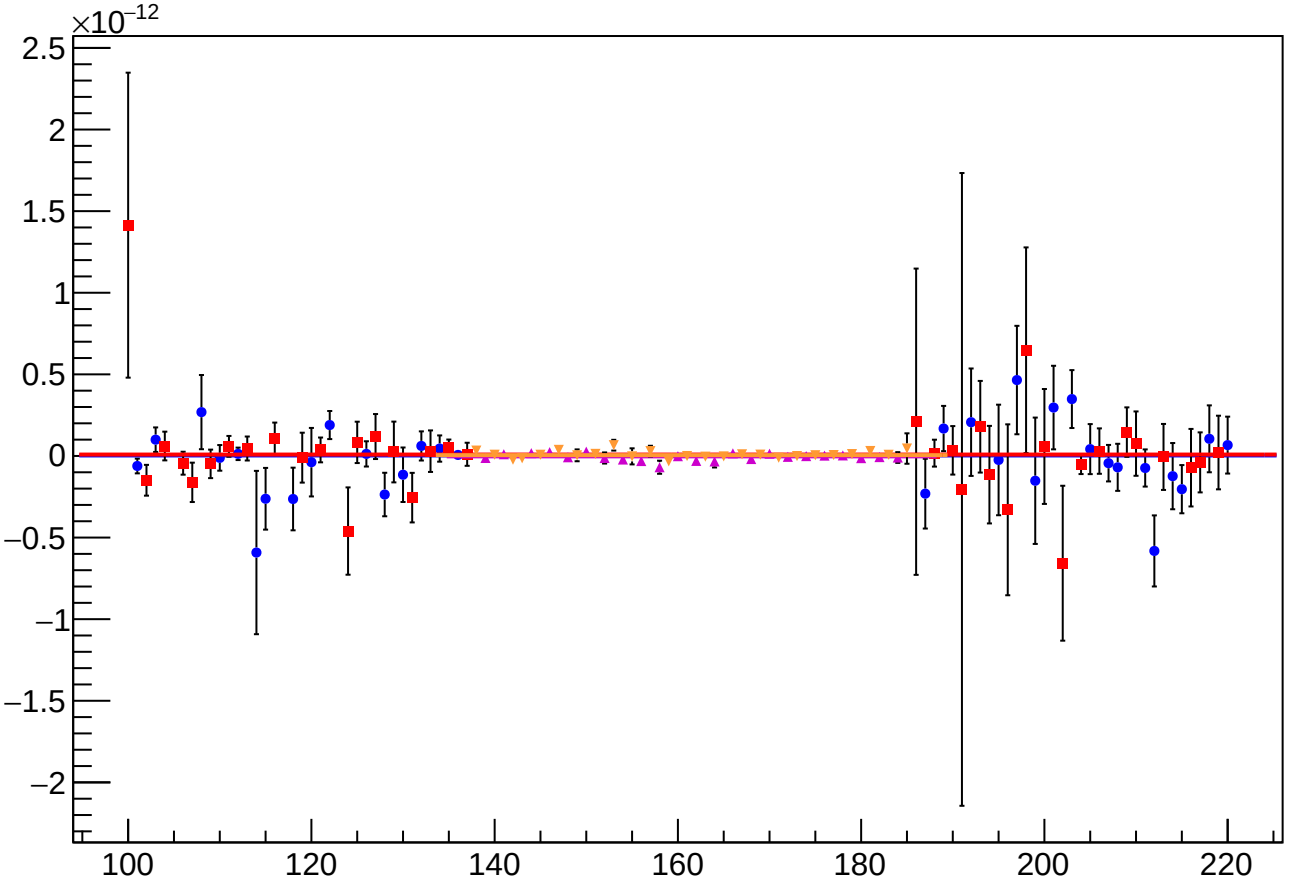
Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 663.665+/-0.084 χ^2/NDF: 17376832.4/57

All: 664.237+/-0.060 χ^2/NDF: 35729774.2/11

- sign 664.831+/-0.085 χ^2/NDF: 18352846.6/59

asym_sam_37_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 40.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

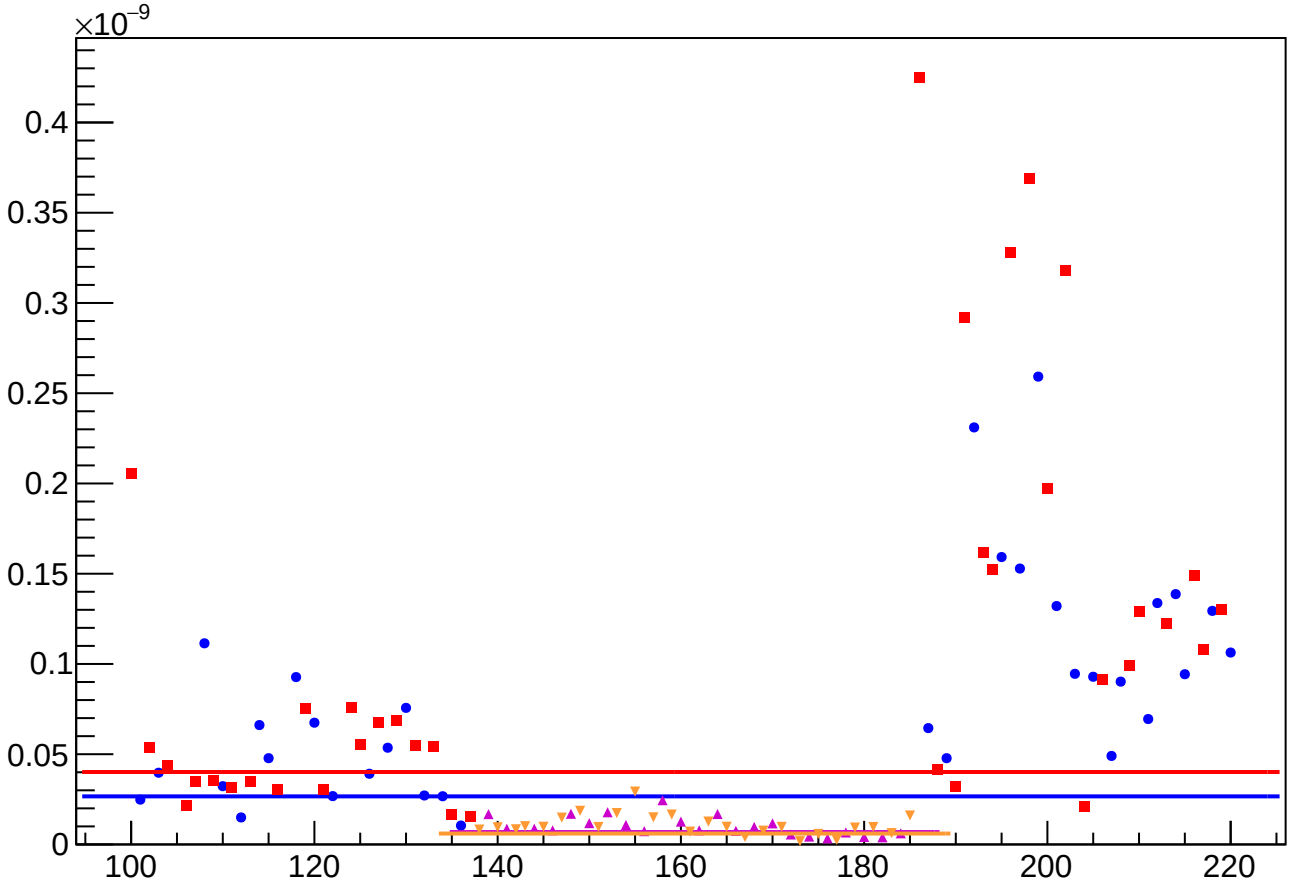
Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/36

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.4/57

All: 0.000+/-0.000 χ^2/NDF: 103.9/117

- sign -0.000+/-0.000 χ^2/NDF: 45.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 8896290.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7236751.8/36

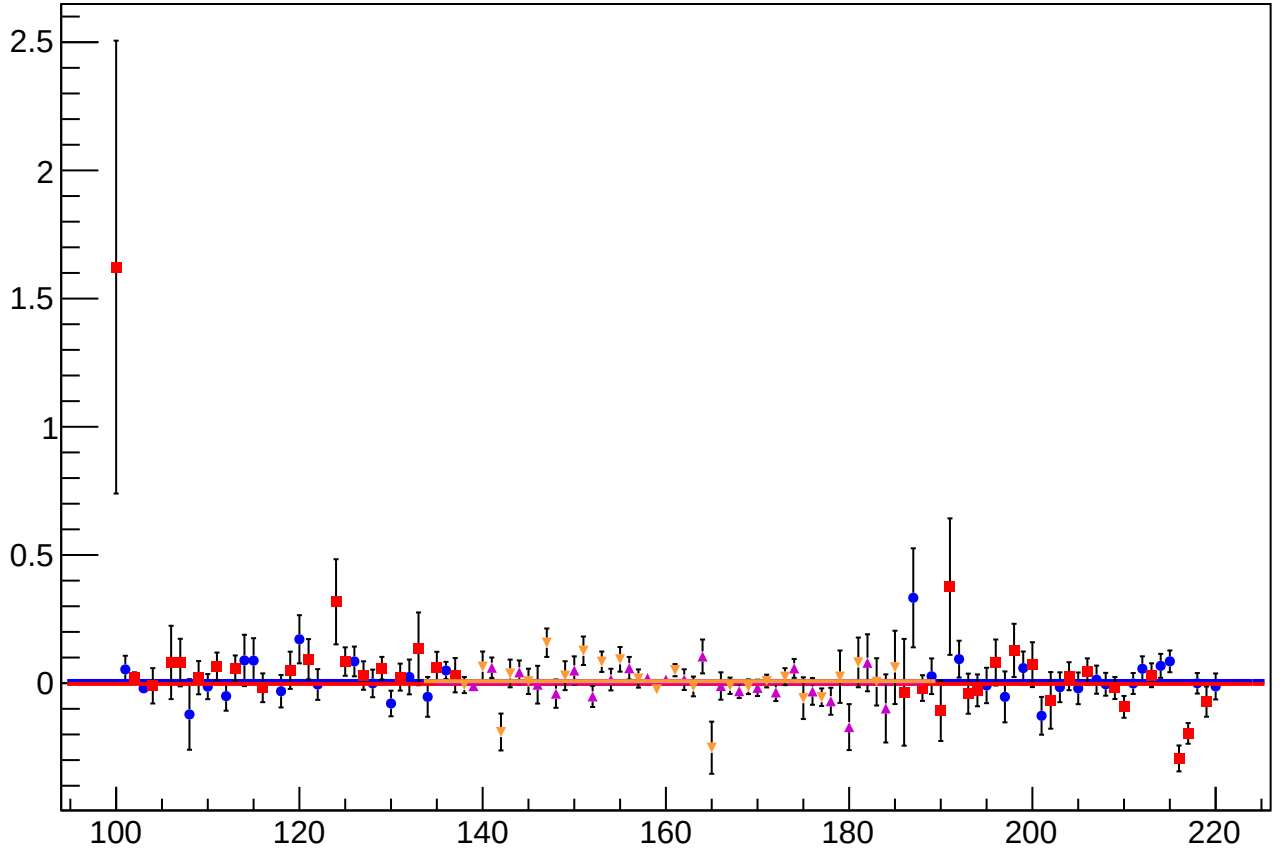
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 16839069.1/57

All: 0.000+/-0.000 χ^2/NDF: 33128971.0/117

- sign 0.000+/-0.000 χ^2/NDF: 16198761.4/59

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.009 χ^2/NDF: 32.3/32

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.003+/-0.009 χ^2/NDF: 92.3/36

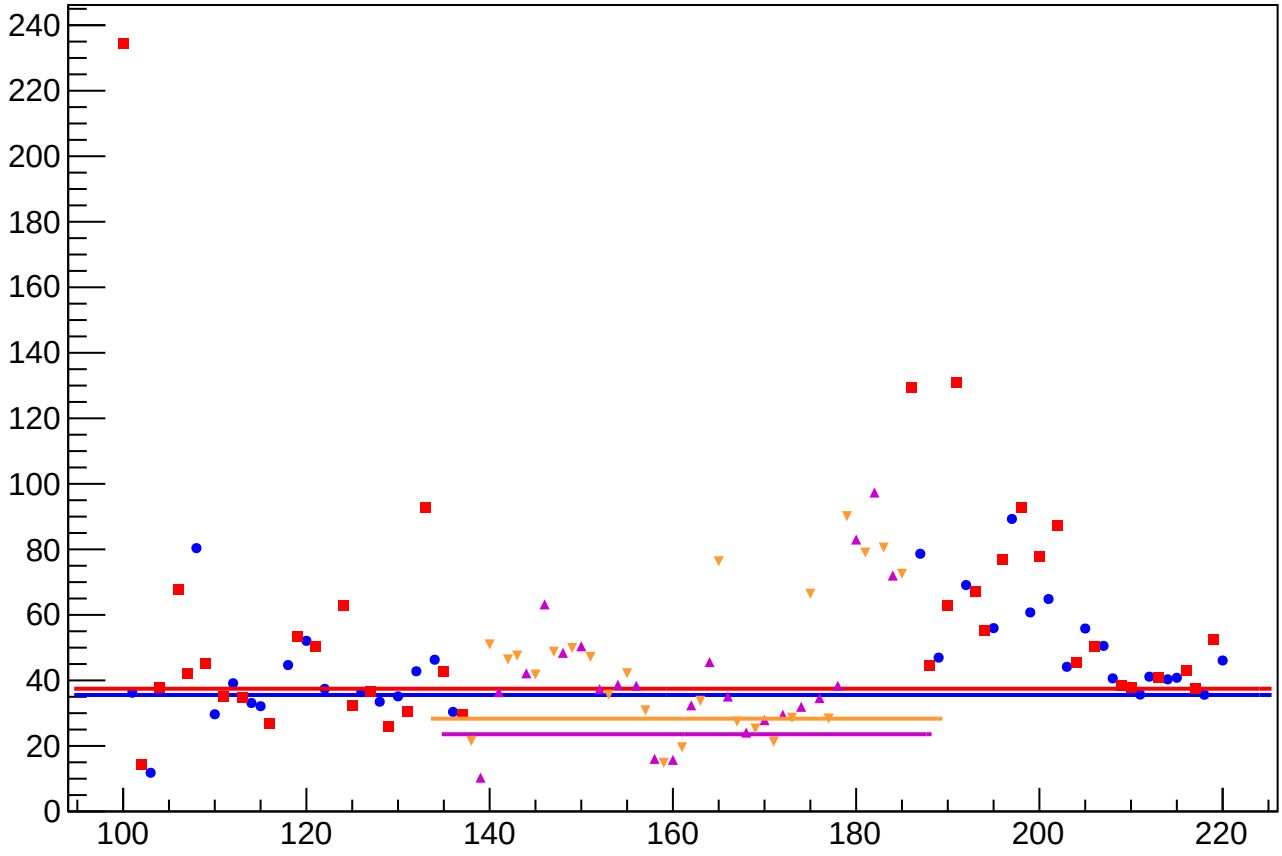
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.008+/-0.006 χ^2/NDF: 79.9/57

All: 0.004+/-0.004 χ^2/NDF: 198.5/117

- sign -0.000+/-0.006 χ^2/NDF: 117.6/59

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 35.554+/-0.006 χ^2/NDF: 5962782.2/32

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

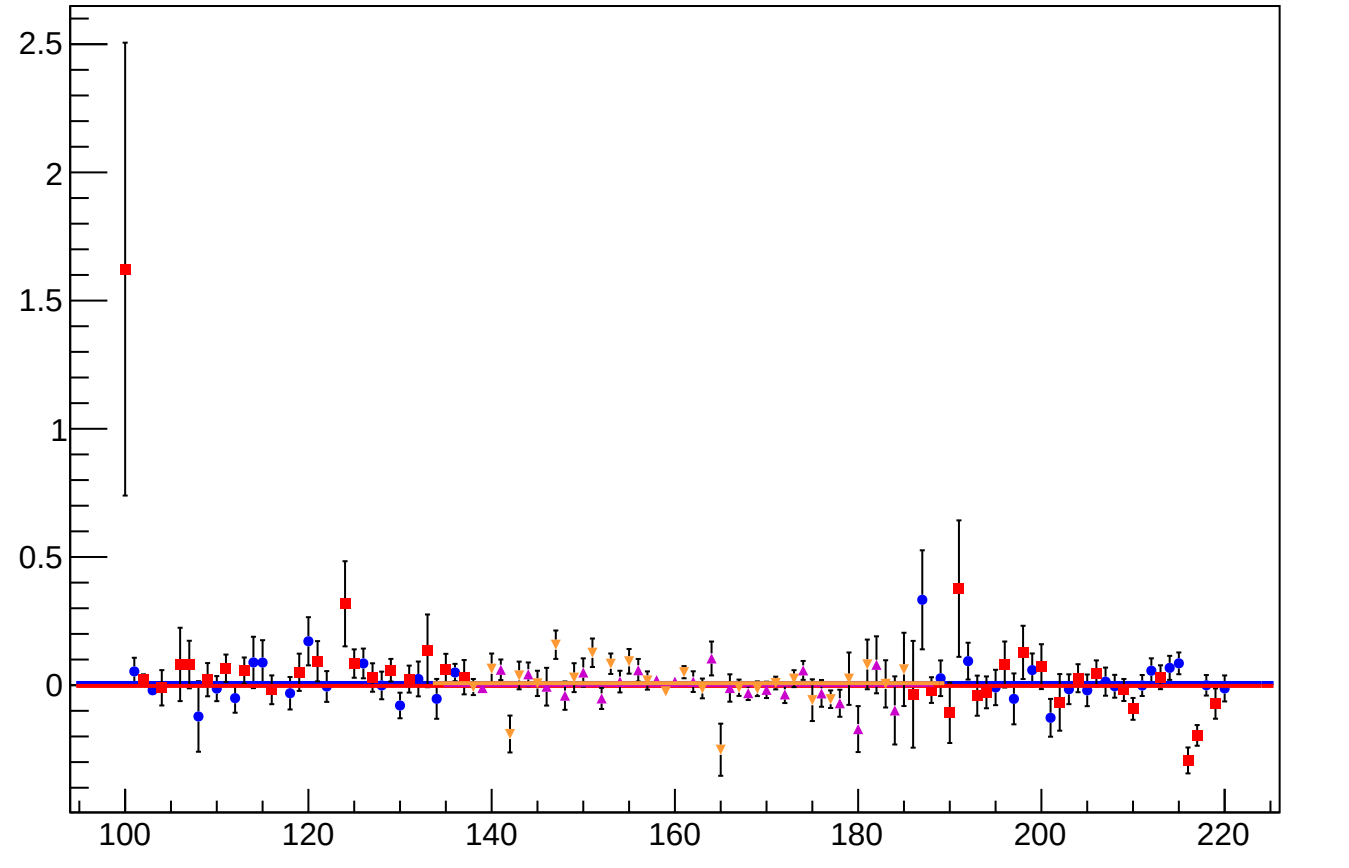
Right Out: 37.466+/-0.007 χ^2/NDF: 6694434.2/36

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 31.346+/-0.004 χ^2/NDF: 13511990.0/57

All: 29.761+/-0.003 χ^2/NDF: 31601279.5/117

- sign 28.312+/-0.004 χ^2/NDF: 17801423.3/59



Right In: 0.009+/-0.009 χ^2/NDF: 32.3/32

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.003+/-0.009 χ^2/NDF: 92.3/36

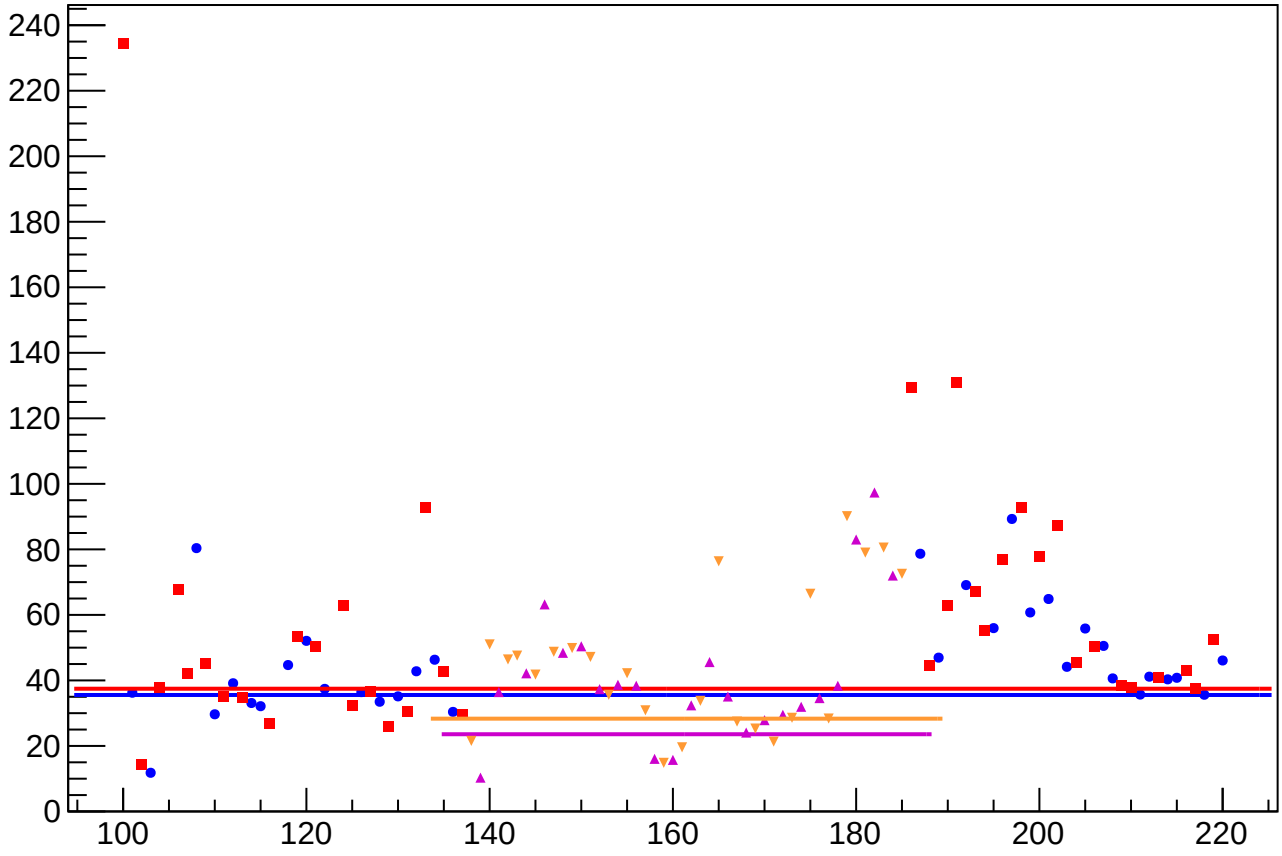
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.008+/-0.006 χ^2/NDF: 79.9/57

All: 0.004+/-0.004 χ^2/NDF: 198.5/117

- sign -0.000+/-0.006 χ^2/NDF: 117.6/59

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 35.554+/-0.006 χ^2/NDF: 5962782.2/32

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

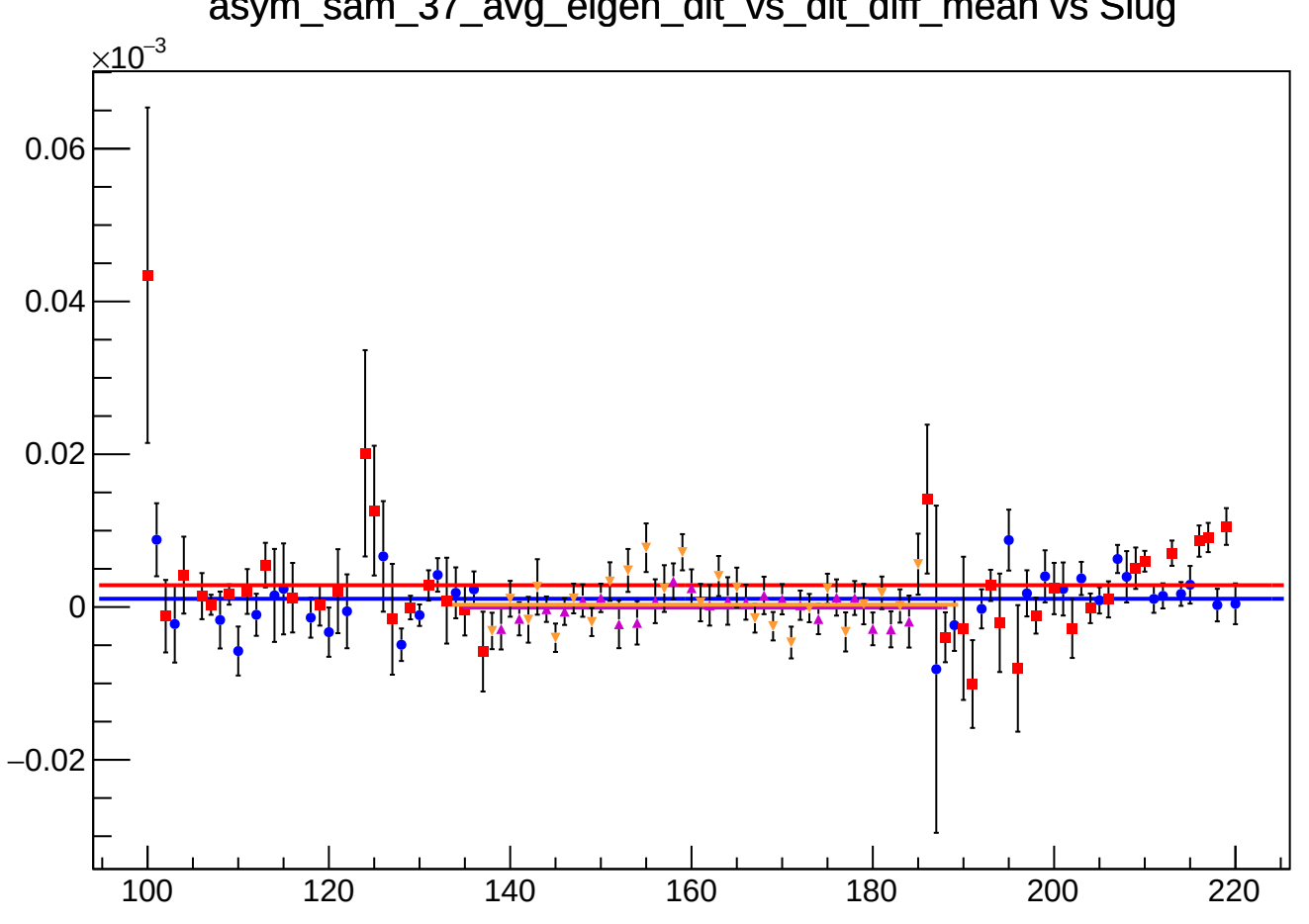
Right Out: 37.466+/-0.007 χ^2/NDF: 6694434.2/36

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 31.346+/-0.004 χ^2/NDF: 13511990.0/57

All: 29.761+/-0.003 χ^2/NDF: 31601279.5/117

- sign 28.312+/-0.004 χ^2/NDF: 17801423.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 42.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

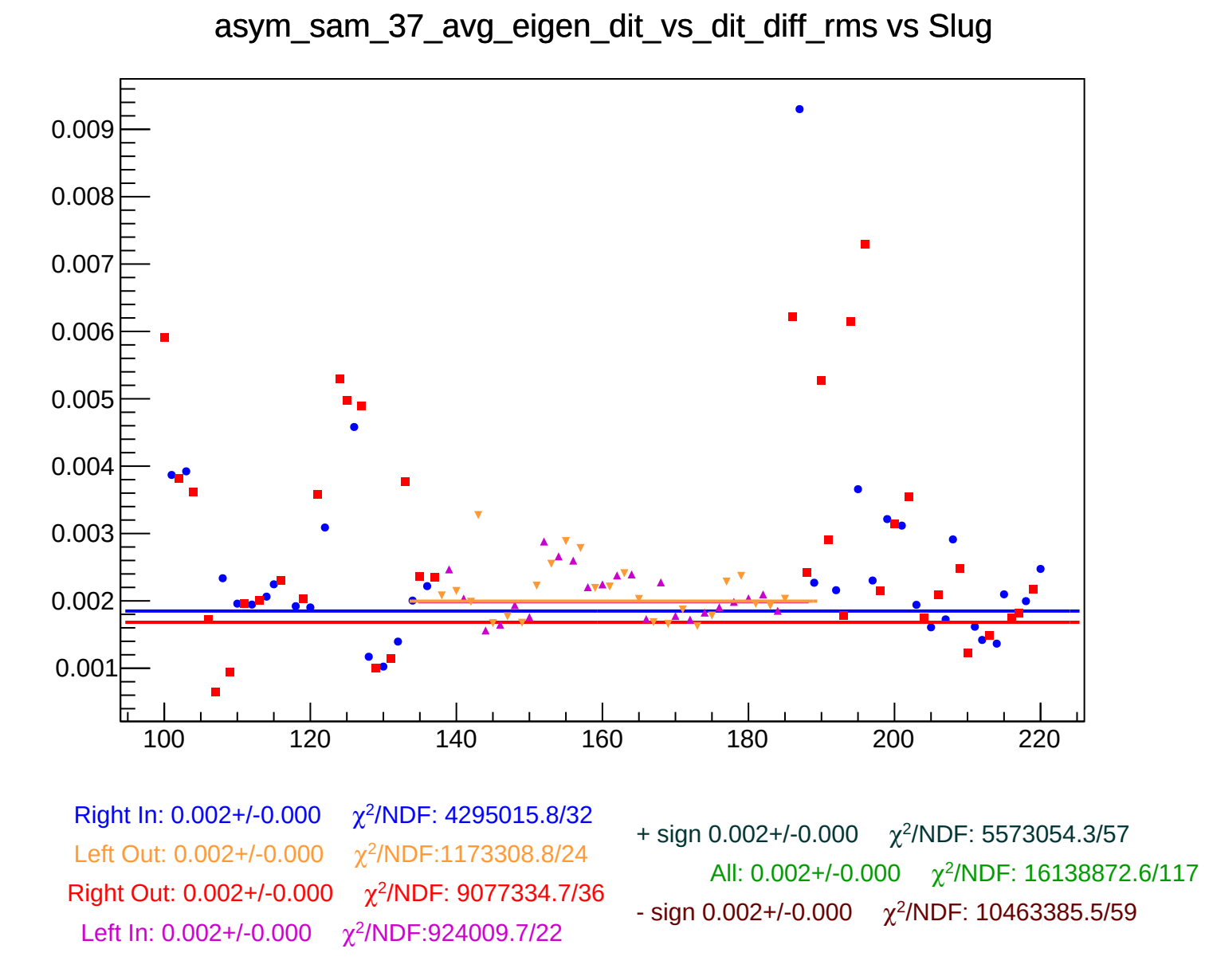
Right Out: 0.000+/-0.000 χ^2/NDF: 84.7/36

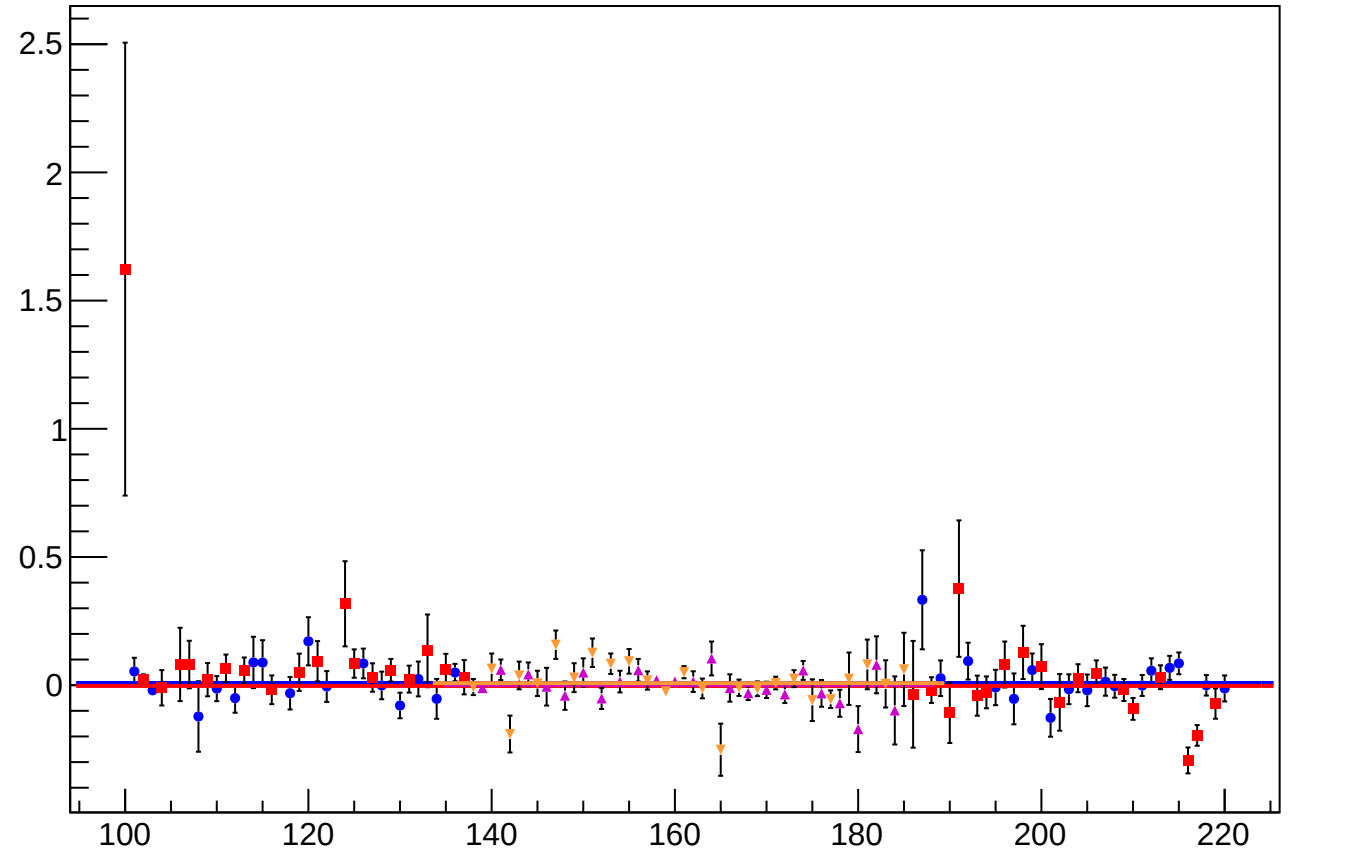
Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.4/57

All: 0.000+/-0.000 χ^2/NDF: 211.1/117

- sign 0.000+/-0.000 χ^2/NDF: 118.2/59


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.009
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 4295015.8/32
Left Out: 0.002+/-0.000 χ²/NDF:1173308.8/24
Right Out: 0.002+/-0.000 χ²/NDF: 9077334.7/36
Left In: 0.002+/-0.000 χ²/NDF:924009.7/22
+ sign 0.002+/-0.000 χ²/NDF: 5573054.3/57
All: 0.002+/-0.000 χ²/NDF: 16138872.6/117
- sign 0.002+/-0.000 χ²/NDF: 10463385.5/59



Right In: 0.009+/-0.009 χ^2/NDF: 32.3/32

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: -0.003+/-0.009 χ^2/NDF: 92.3/36

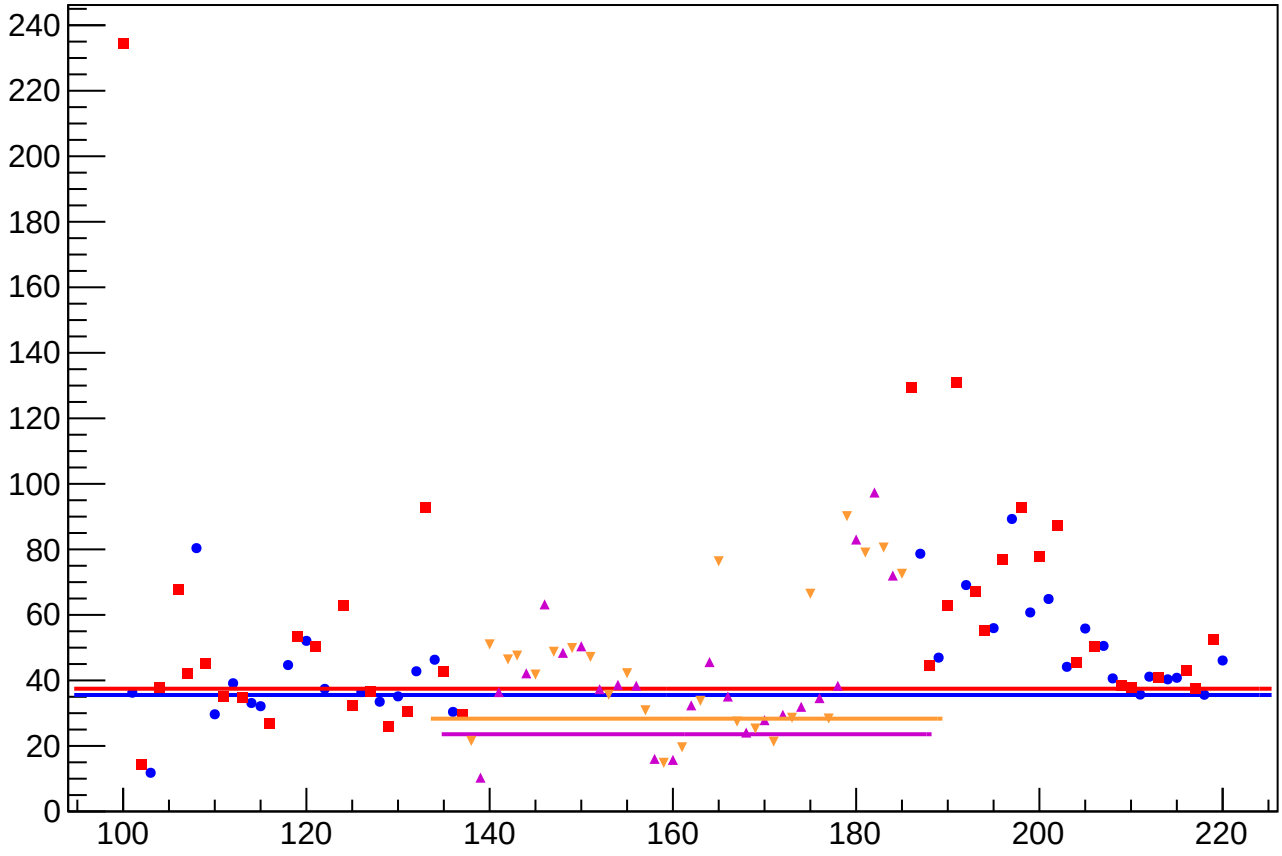
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.008+/-0.006 χ^2/NDF: 79.9/57

All: 0.004+/-0.004 χ^2/NDF: 198.5/117

- sign -0.000+/-0.006 χ^2/NDF: 117.6/59

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.553+/-0.006 χ^2/NDF: 5963221.0/32

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

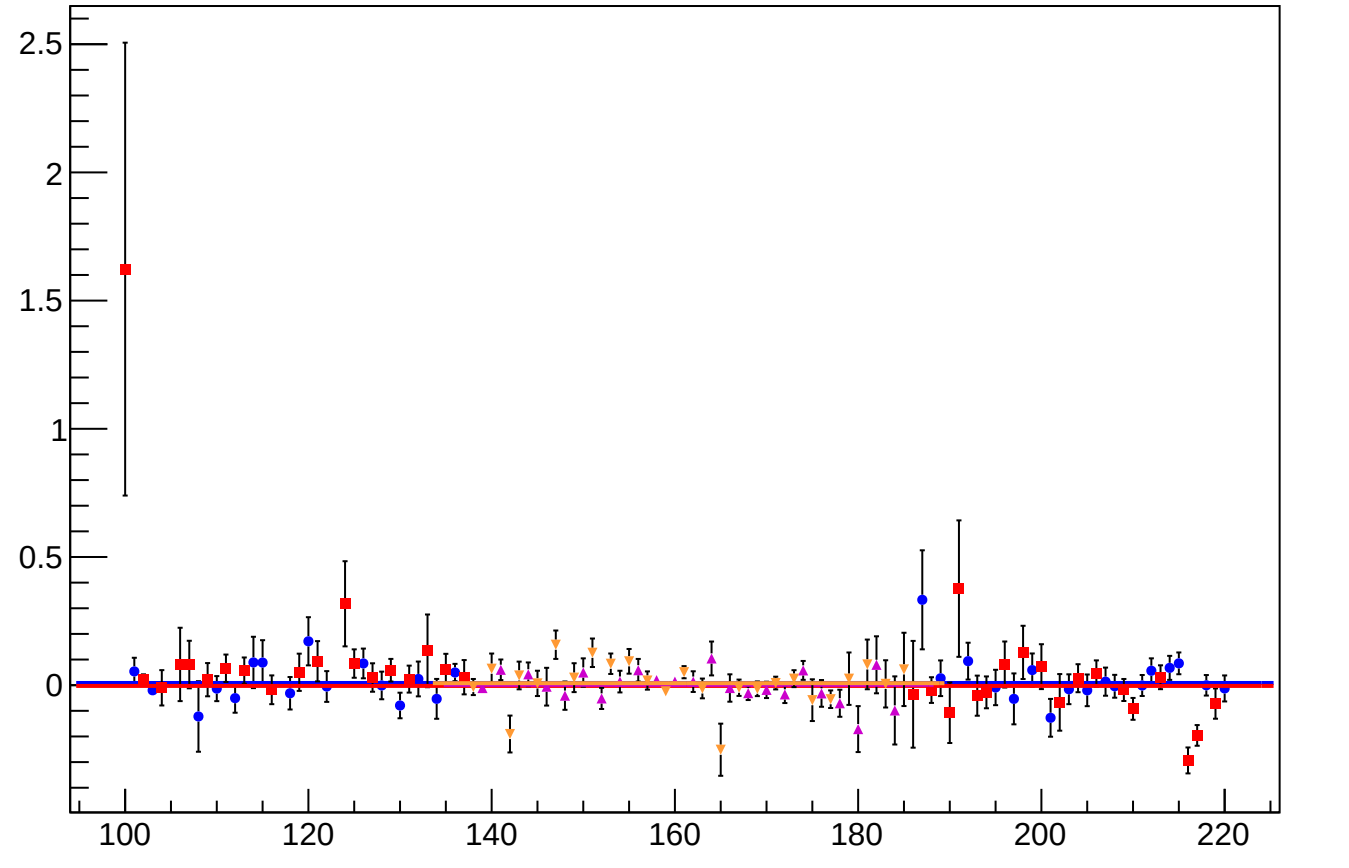
Right Out: 37.468+/-0.007 χ^2/NDF: 6693164.0/36

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 31.346+/-0.004 χ^2/NDF: 13512853.8/57

All: 29.760+/-0.003 χ^2/NDF: 31603164.8/117

- sign 28.312+/-0.004 χ^2/NDF: 17802443.5/59



Right In: 0.009+/-0.009 χ^2/NDF: 32.3/32

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

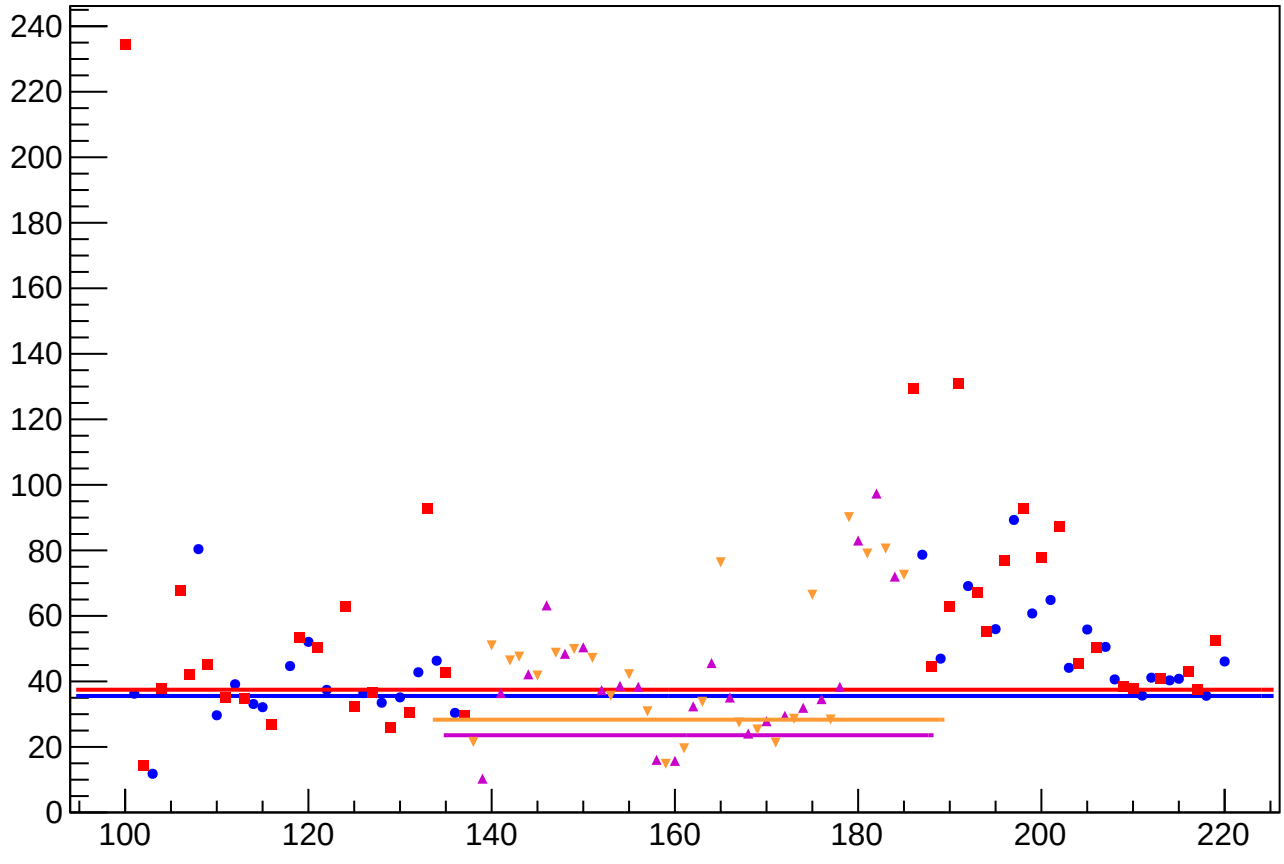
Right Out: -0.003+/-0.009 χ^2/NDF: 92.3/36

Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.008+/-0.006 χ^2/NDF: 79.9/57

All: 0.004+/-0.004 χ^2/NDF: 198.5/117

- sign -0.000+/-0.006 χ^2/NDF: 117.6/59



Right In: 35.553+/-0.006 χ^2/NDF: 5963221.0/32

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

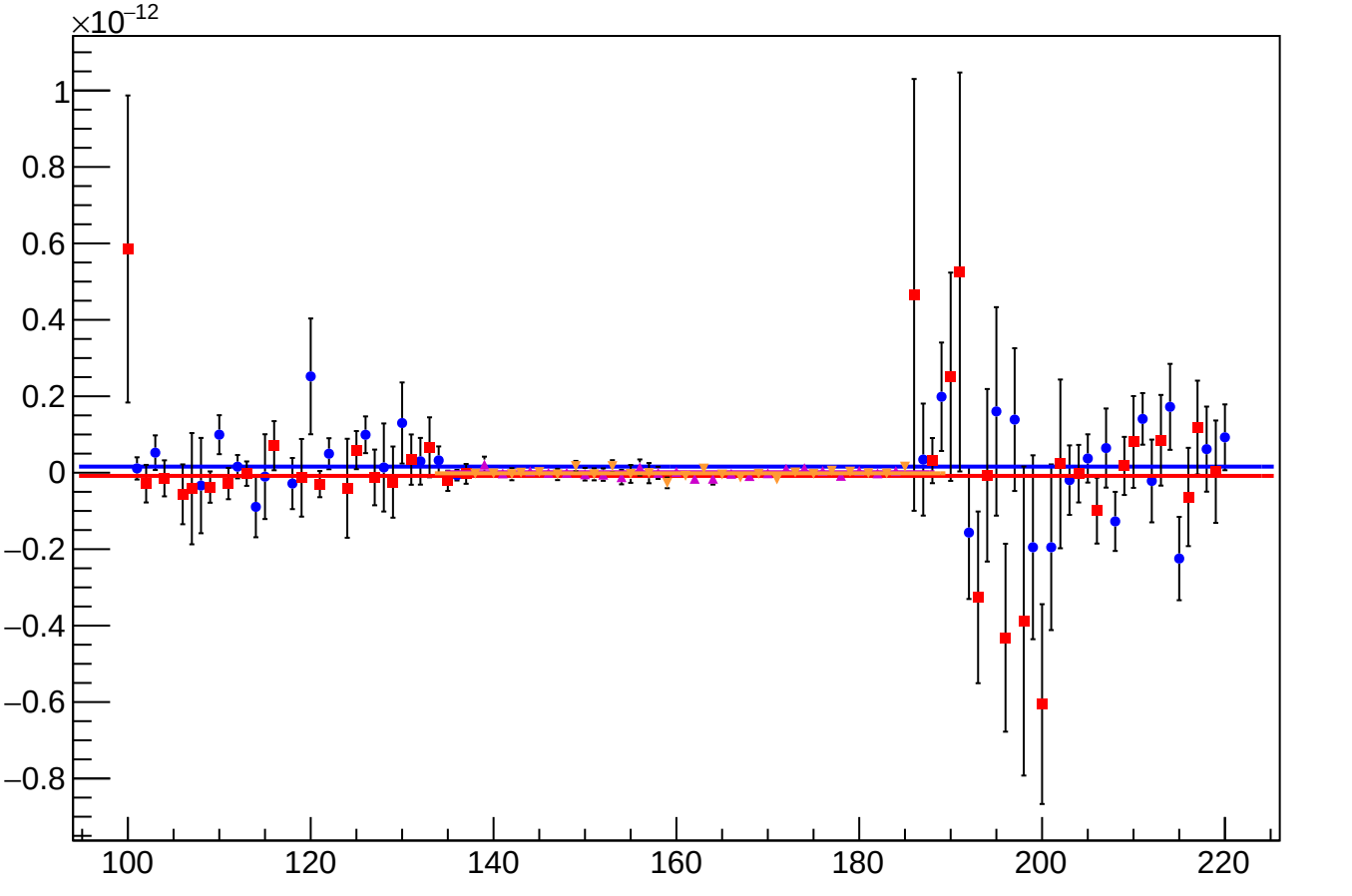
Right Out: 37.468+/-0.007 χ^2/NDF: 6693164.0/36

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 31.346+/-0.004 χ^2/NDF: 13512853.8/57

All: 29.760+/-0.003 χ^2/NDF: 31603164.8/117

- sign 28.312+/-0.004 χ^2/NDF: 17802443.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 36.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

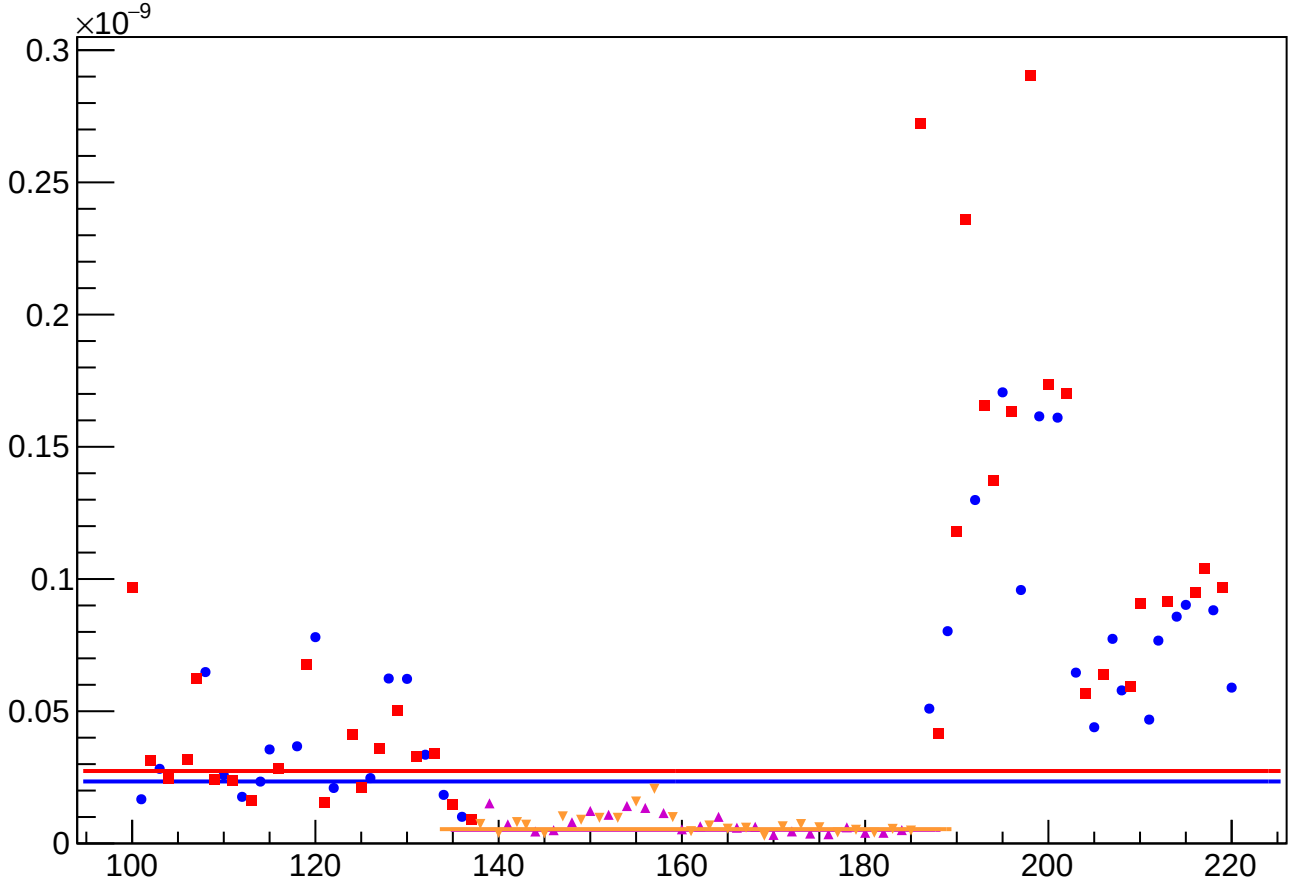
Right Out: -0.000+/-0.000 χ^2/NDF: 26.9/36

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.6/57

All: 0.000+/-0.000 χ^2/NDF: 101.8/117

- sign 0.000+/-0.000 χ^2/NDF: 43.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 11428585.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11934531.6/36

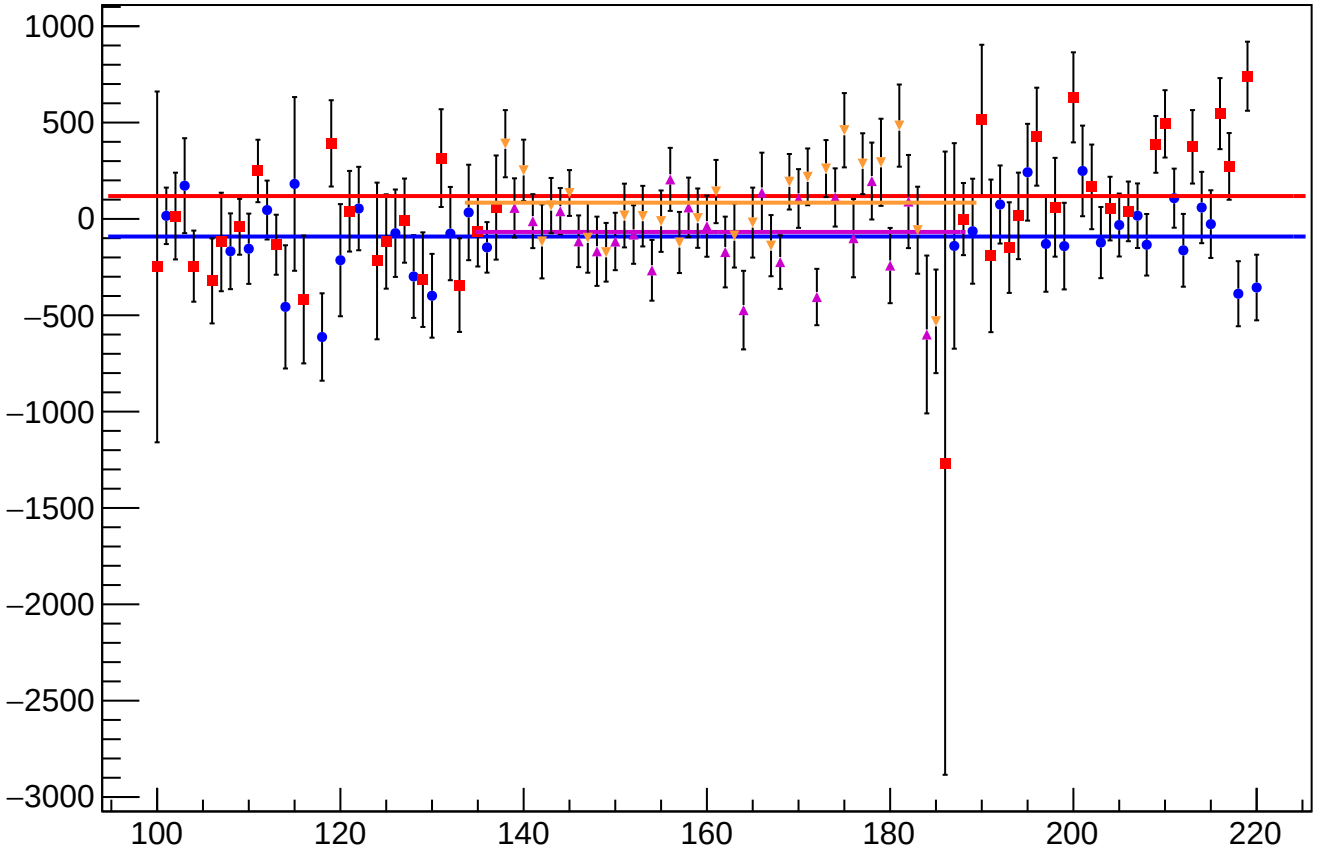
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 22452361.6/57

All: 0.000+/-0.000 χ^2/NDF: 47161620.1/117

- sign 0.000+/-0.000 χ^2/NDF: 24679920.6/59

reg_asym_sam_48_avg_mean vs Slug



Right In: -91.448+/-34.551 χ^2/NDF: 27.1/32

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 118.602+/-34.720 χ^2/NDF: 67.2/36

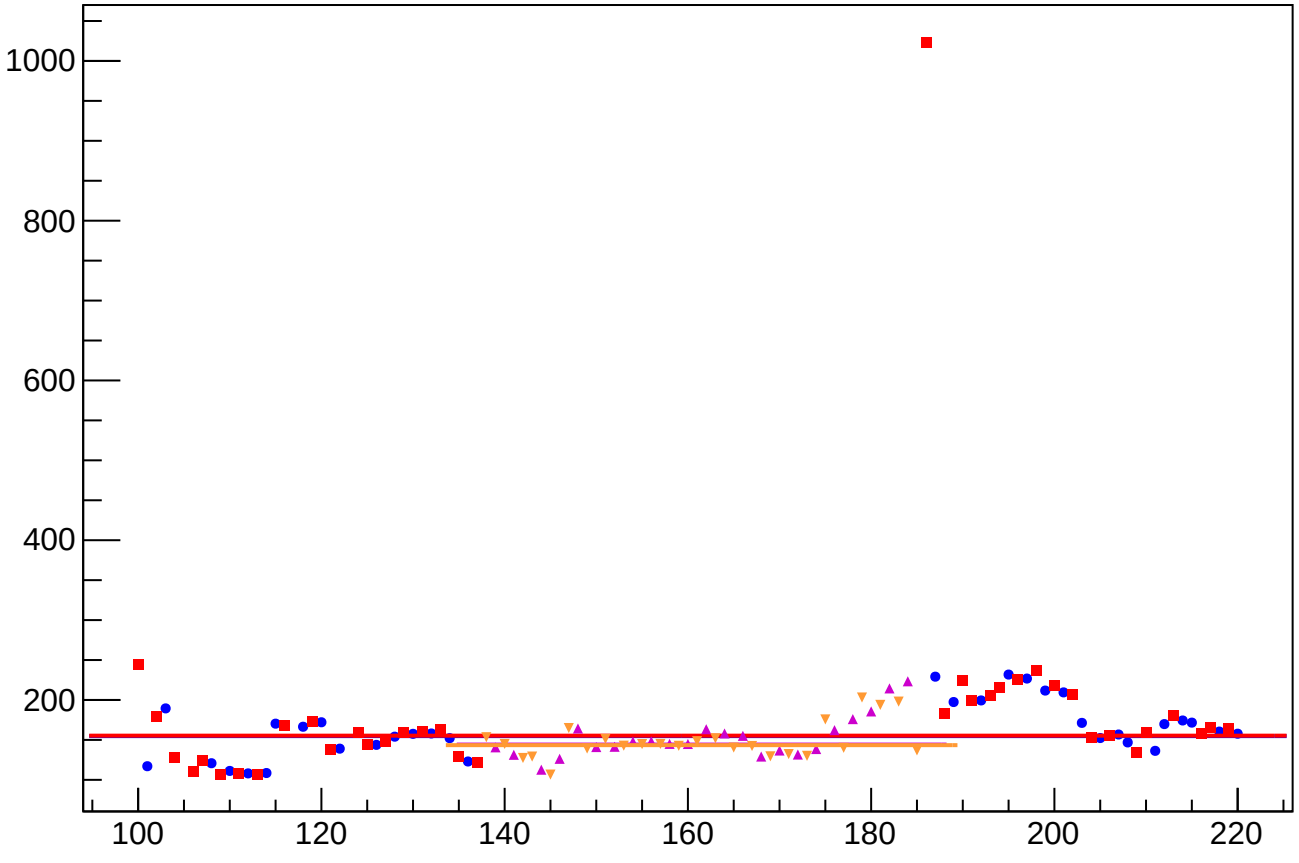
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 0.378+/-23.878 χ^2/NDF: 74.5/57

All: 11.913+/-17.046 χ^2/NDF: 183.3/117

- sign 23.901+/-24.342 χ^2/NDF: 108.3/59

reg_asym_sam_48_avg_rms vs Slug



Right In: 154.754+/-0.024 χ^2/NDF: 1608822.2/32

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 155.326+/-0.025 χ^2/NDF: 2530510.5/36

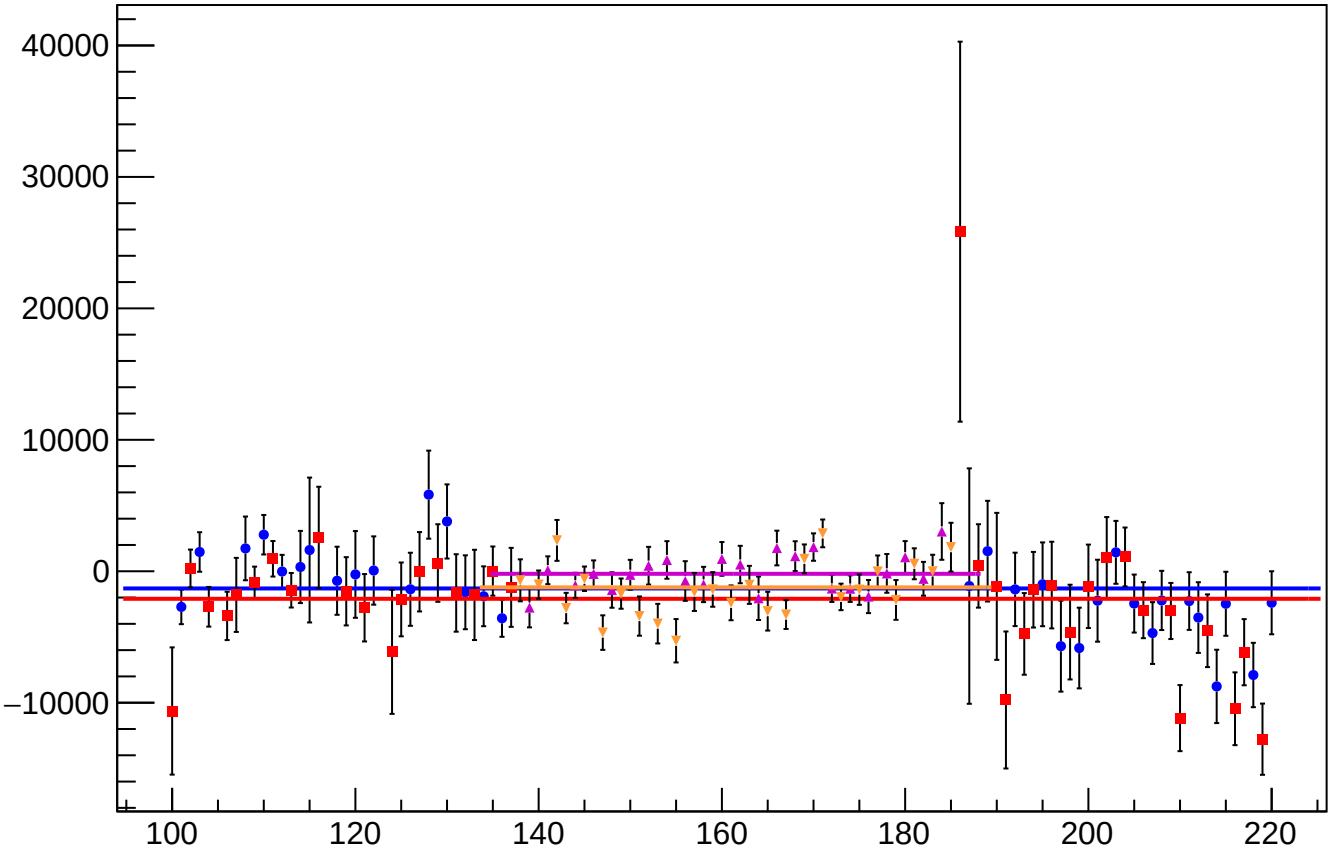
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 148.845+/-0.017 χ^2/NDF: 2467824.8/57

All: 149.242+/-0.012 χ^2/NDF: 5807153.7/117

- sign 149.654+/-0.017 χ^2/NDF: 3338204.4/59

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -1308.143+/-397.782 χ^2/NDF: 50.0/32

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -2094.482+/-386.865 χ^2/NDF: 70.3/36

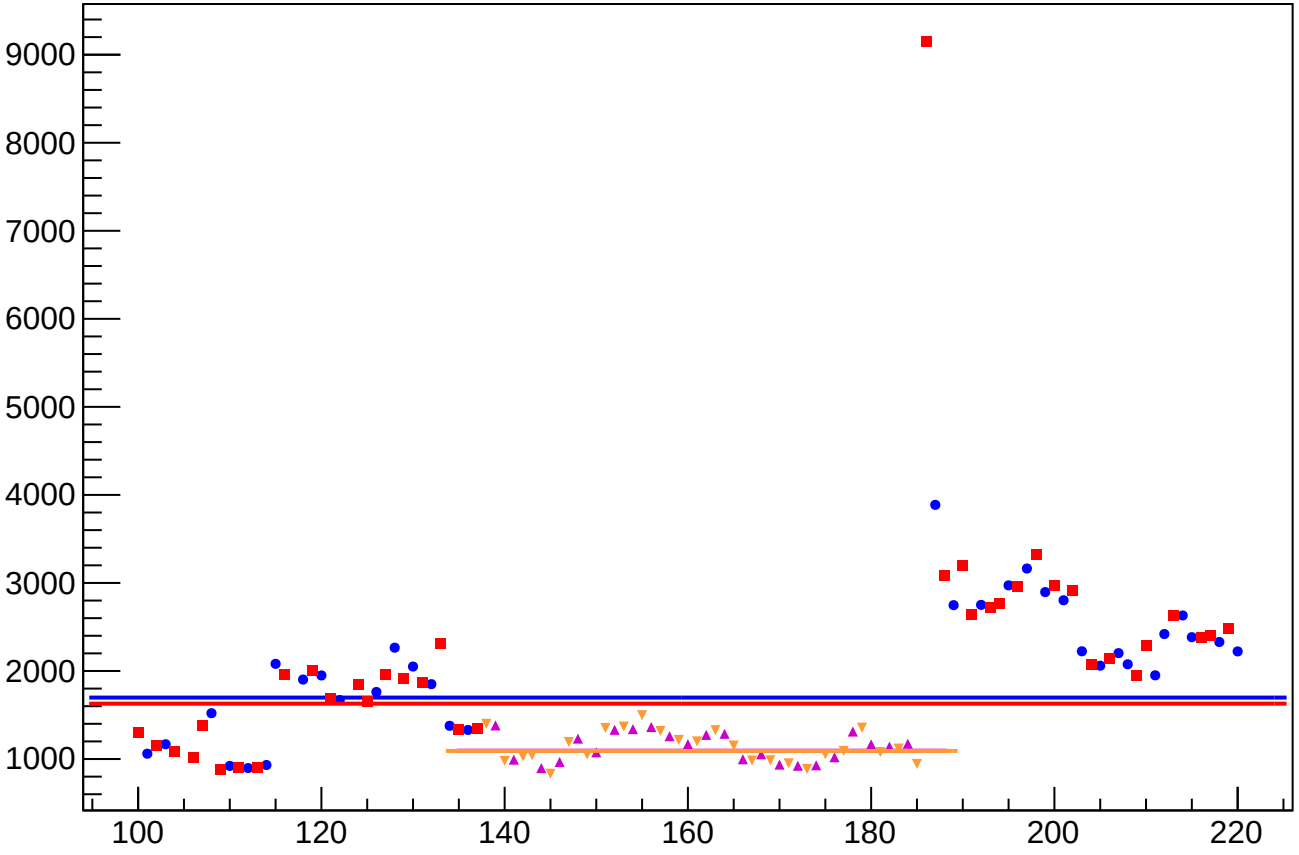
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1248.815+/-212.737 χ^2/NDF: 109.3/57

All: -1017.971+/-151.283 χ^2/NDF: 222.0/117

- sign -781.803+/-215.176 χ^2/NDF: 110.3/59

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1697.903+/-0.281 χ^2/NDF: 5392871.4/32

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1628.862+/-0.274 χ^2/NDF: 7348458.5/36

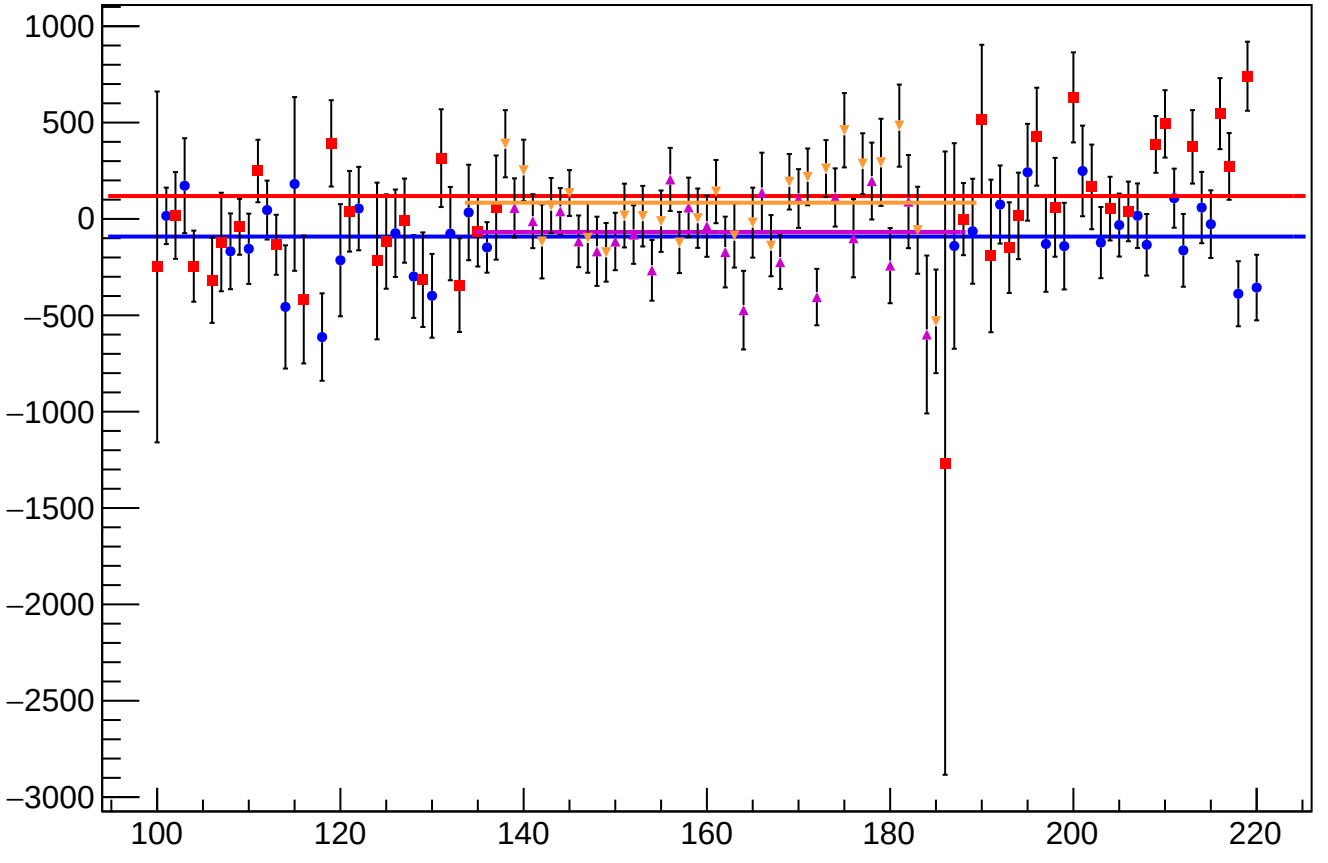
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1265.285+/-0.150 χ^2/NDF: 9598624.9/57

All: 1262.572+/-0.107 χ^2/NDF: 20316242.6/1

- sign 1259.797+/-0.152 χ^2/NDF: 10716959.7/59

cor_asym_sam_48_avg_mean vs Slug



Right In: -91.454+/-34.551 χ^2/NDF: 27.1/32

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 118.837+/-34.723 χ^2/NDF: 67.1/36

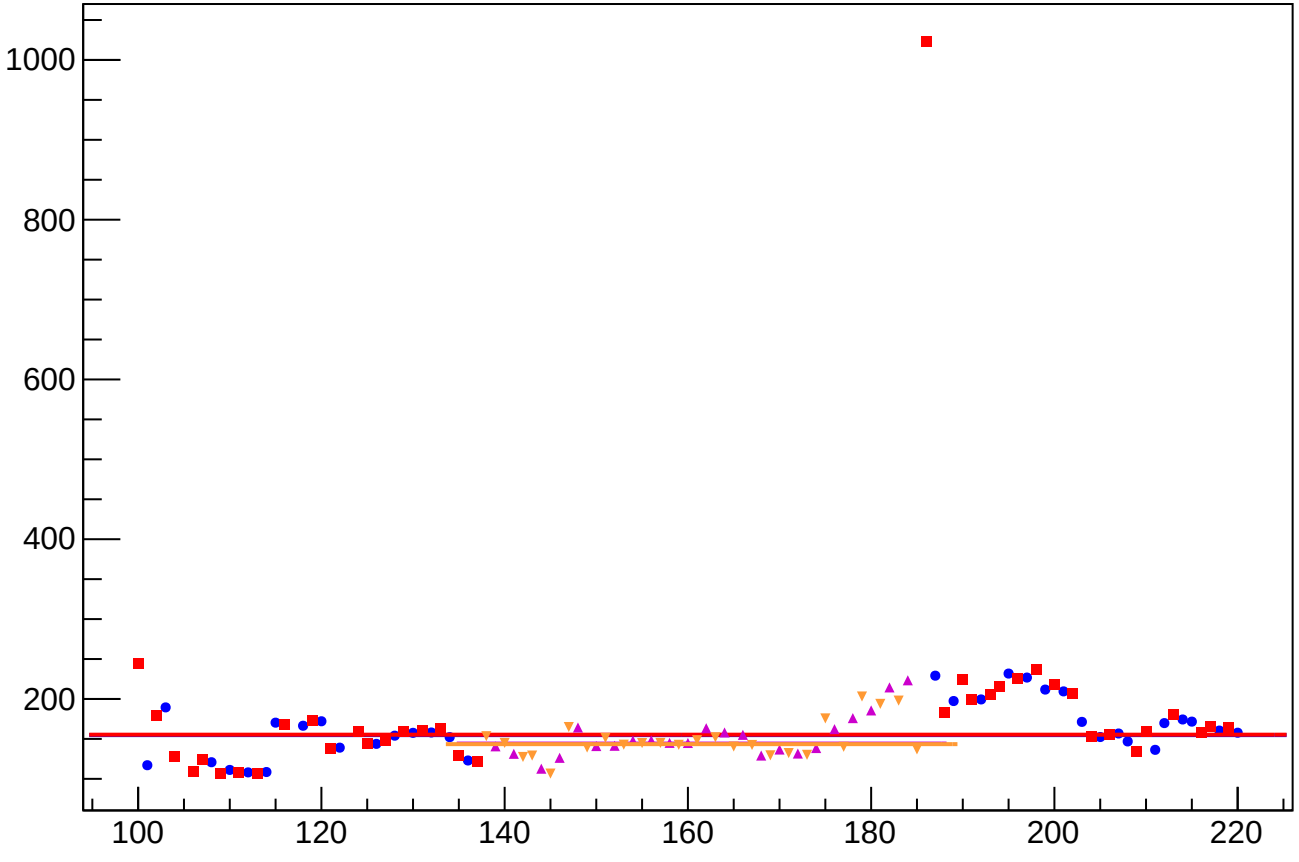
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 0.383+/-23.878 χ^2/NDF: 74.5/57

All: 11.967+/-17.046 χ^2/NDF: 183.2/117

- sign 24.007+/-24.343 χ^2/NDF: 108.3/59

cor_asym_sam_48_avg_rms vs Slug



Right In: 154.754+/-0.024 χ^2/NDF: 1608824.4/32

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 155.295+/-0.025 χ^2/NDF: 2536092.2/36

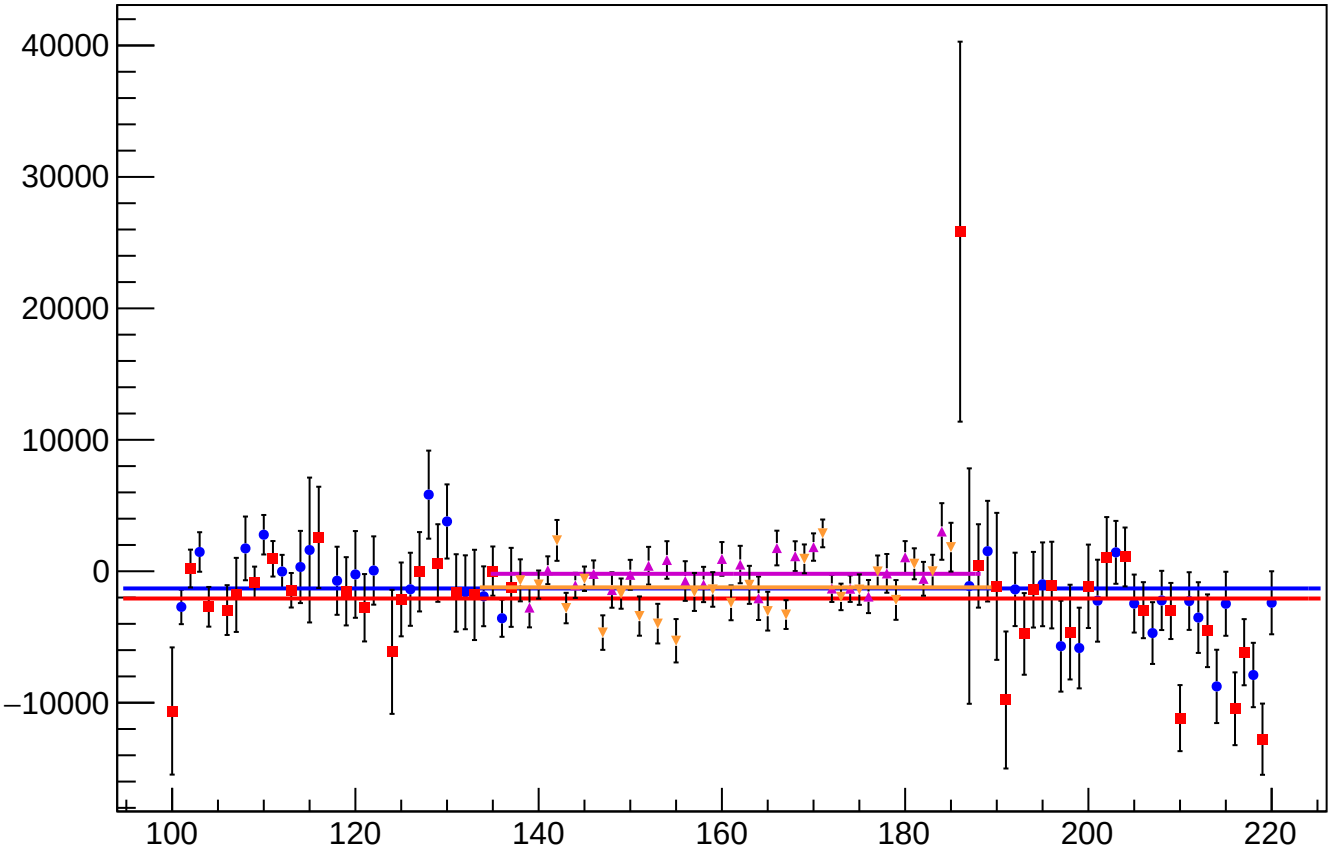
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

\+ sign 148.845+/-0.017 χ^2/NDF: 2467827.3/57

All: 149.234+/-0.012 χ^2/NDF: 5812101.1/117

\- sign 149.638+/-0.017 χ^2/NDF: 3343192.7/59

asym_sam_48_avg_cor_correction_mean vs Slug



Right In: -1308.198+/-397.785 χ^2/NDF: 50.0/32

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -2073.038+/-387.385 χ^2/NDF: 70.0/36

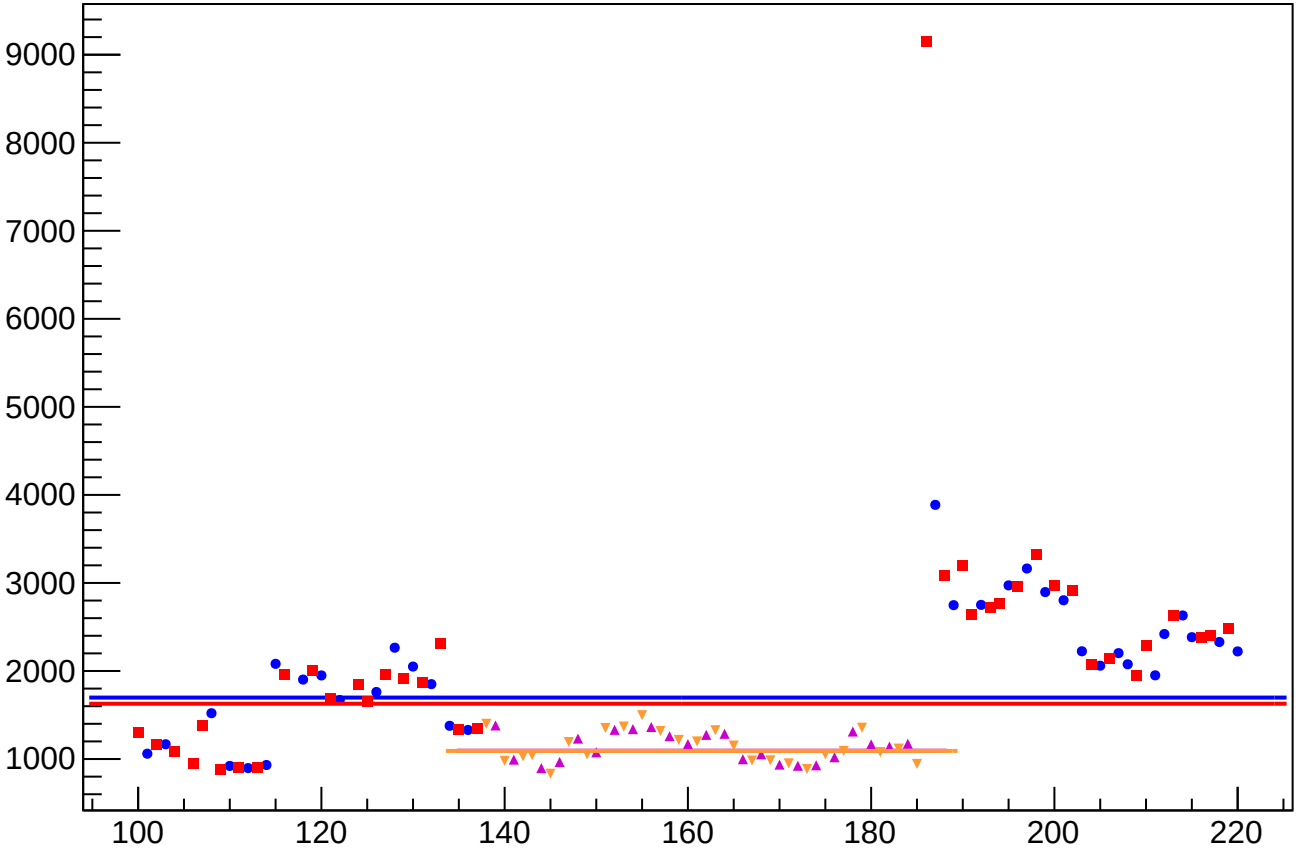
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1248.818+/-212.737 χ^2/NDF: 109.3/57

All: -1014.260+/-151.314 χ^2/NDF: 221.3/117

- sign -774.094+/-215.265 χ^2/NDF: 109.5/59

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1697.917+/-0.281 χ^2/NDF: 5392732.7/32

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1627.957+/-0.274 χ^2/NDF: 7378982.3/36

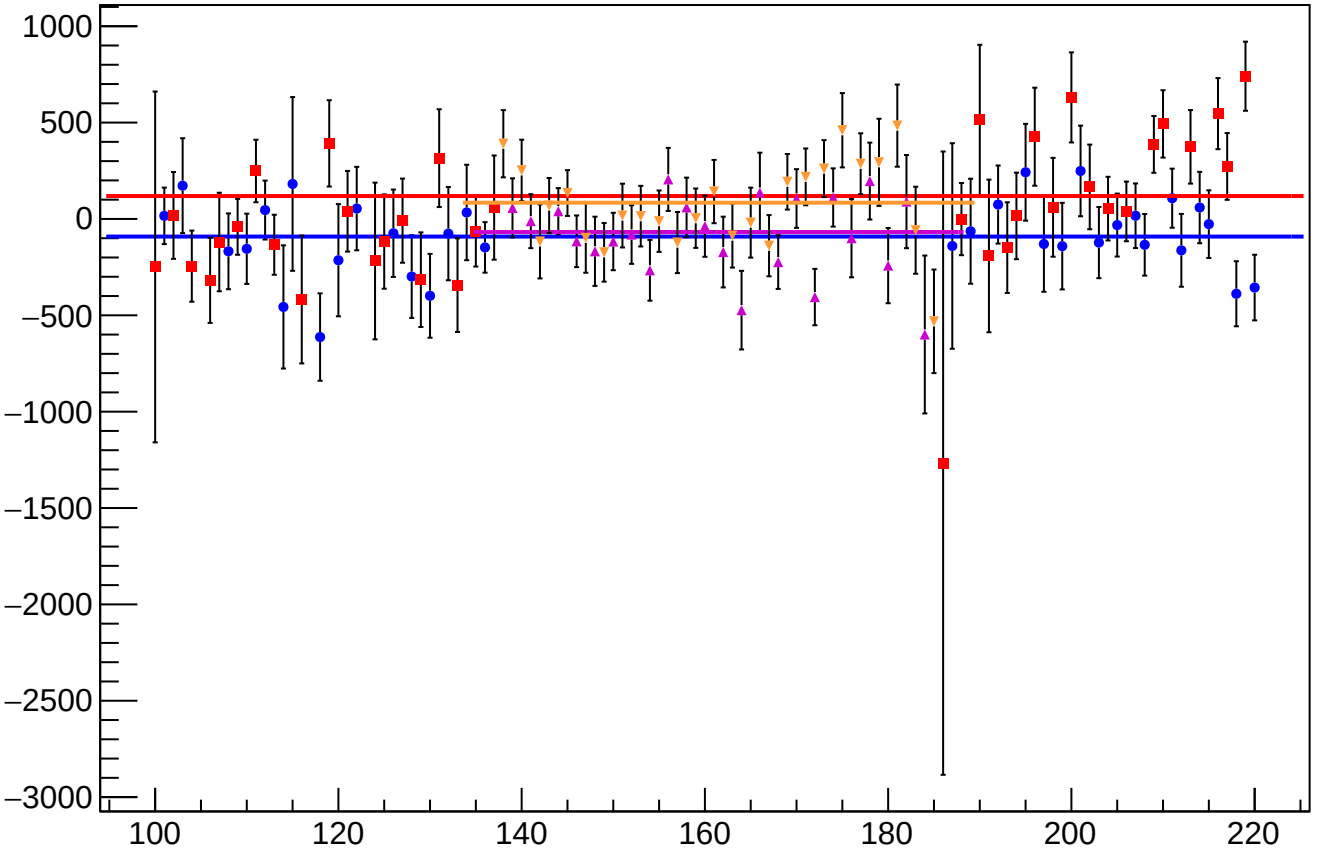
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1265.287+/-0.150 χ^2/NDF: 9598606.9/57

All: 1262.285+/-0.107 χ^2/NDF: 20333103.2/1

- sign 1259.211+/-0.152 χ^2/NDF: 10733690.0/59

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -91.454+/-34.551 χ^2/NDF: 27.1/32

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 118.837+/-34.723 χ^2/NDF: 67.1/36

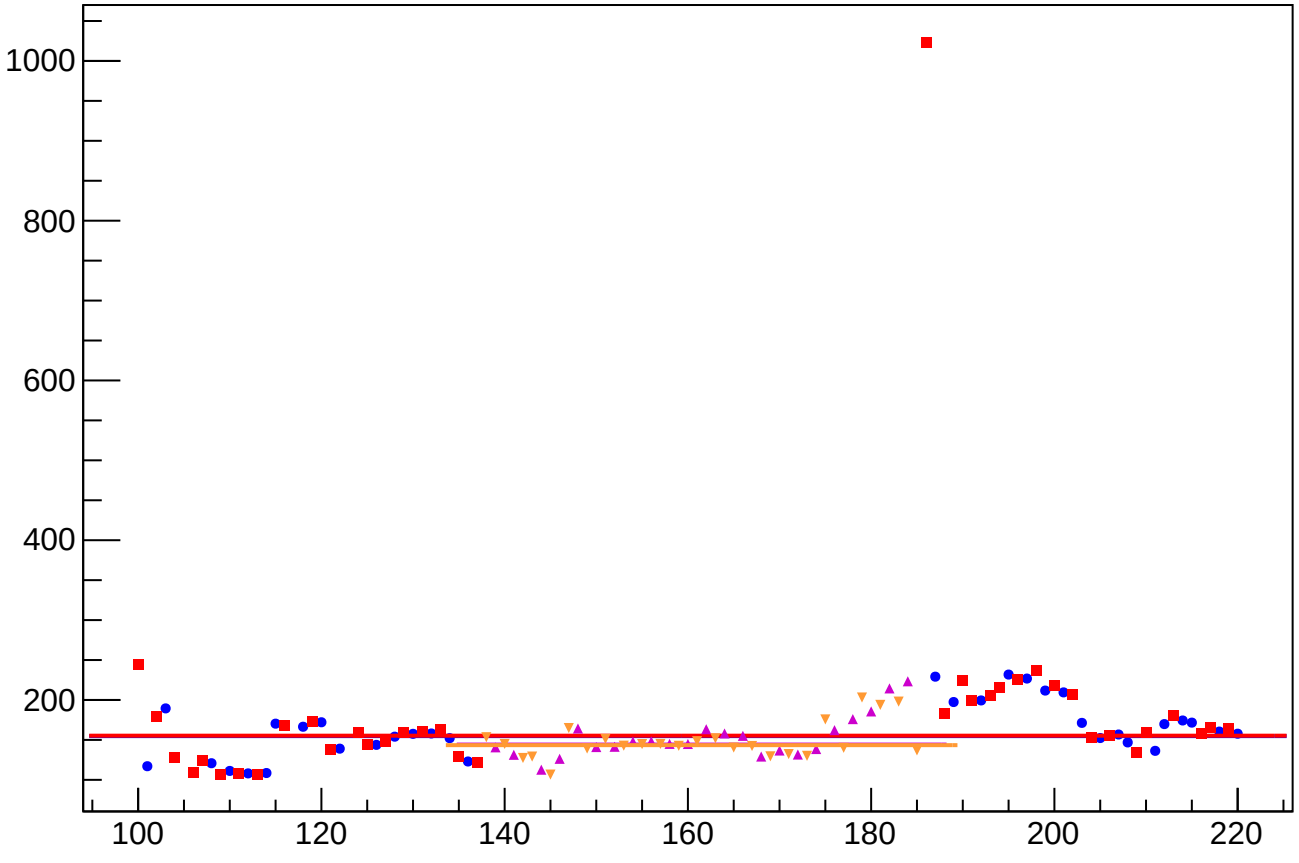
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 0.383+/-23.878 χ^2/NDF: 74.5/57

All: 11.967+/-17.046 χ^2/NDF: 183.2/117

- sign 24.007+/-24.343 χ^2/NDF: 108.3/59

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 154.754+/-0.024 χ^2/NDF: 1608824.4/32

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

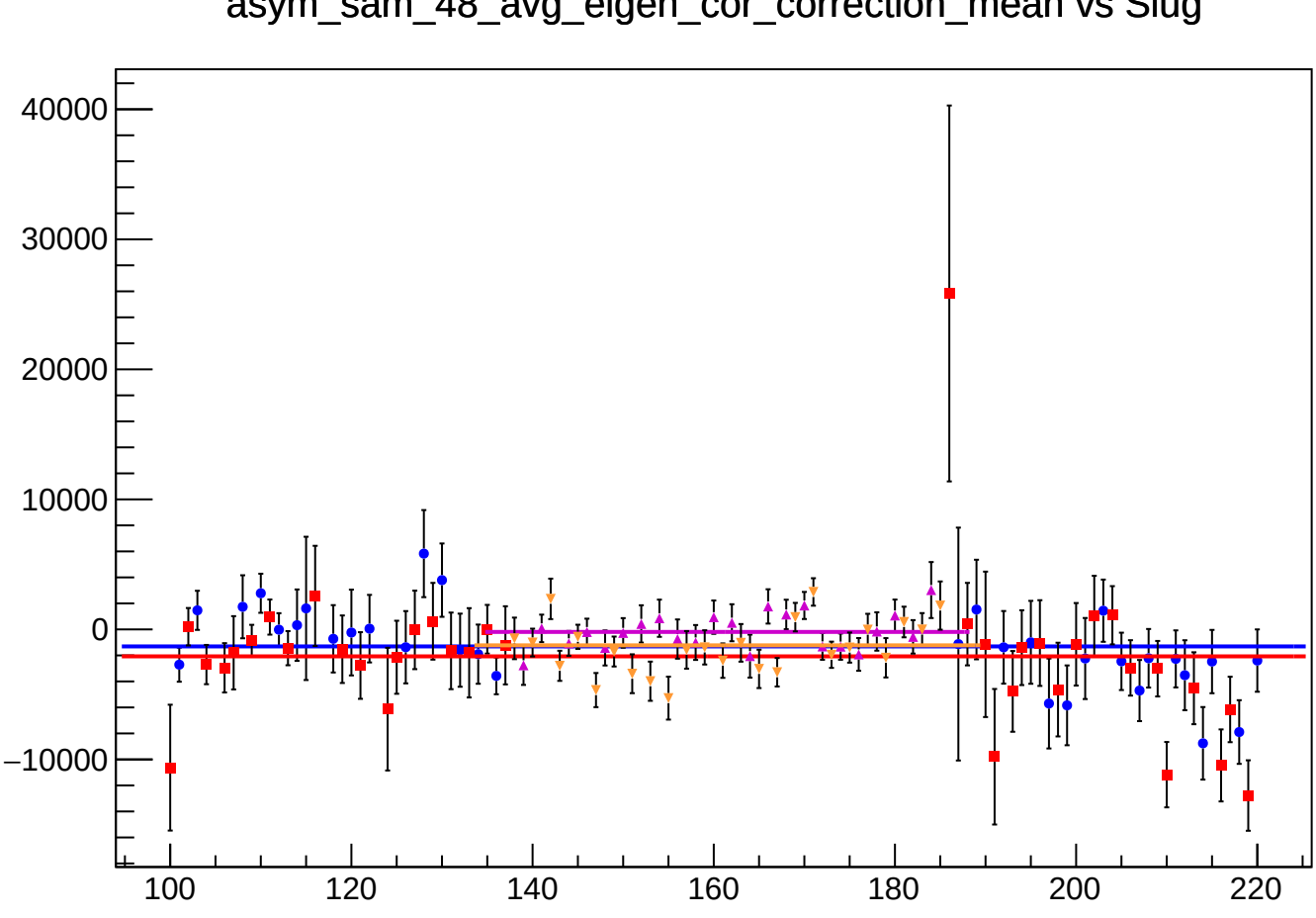
Right Out: 155.295+/-0.025 χ^2/NDF: 2536092.2/36

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 148.845+/-0.017 χ^2/NDF: 2467827.3/57

All: 149.234+/-0.012 χ^2/NDF: 5812101.1/117

- sign 149.638+/-0.017 χ^2/NDF: 3343192.7/59



Right In: -1308.198+/-397.785 χ^2/NDF: 50.0/32

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

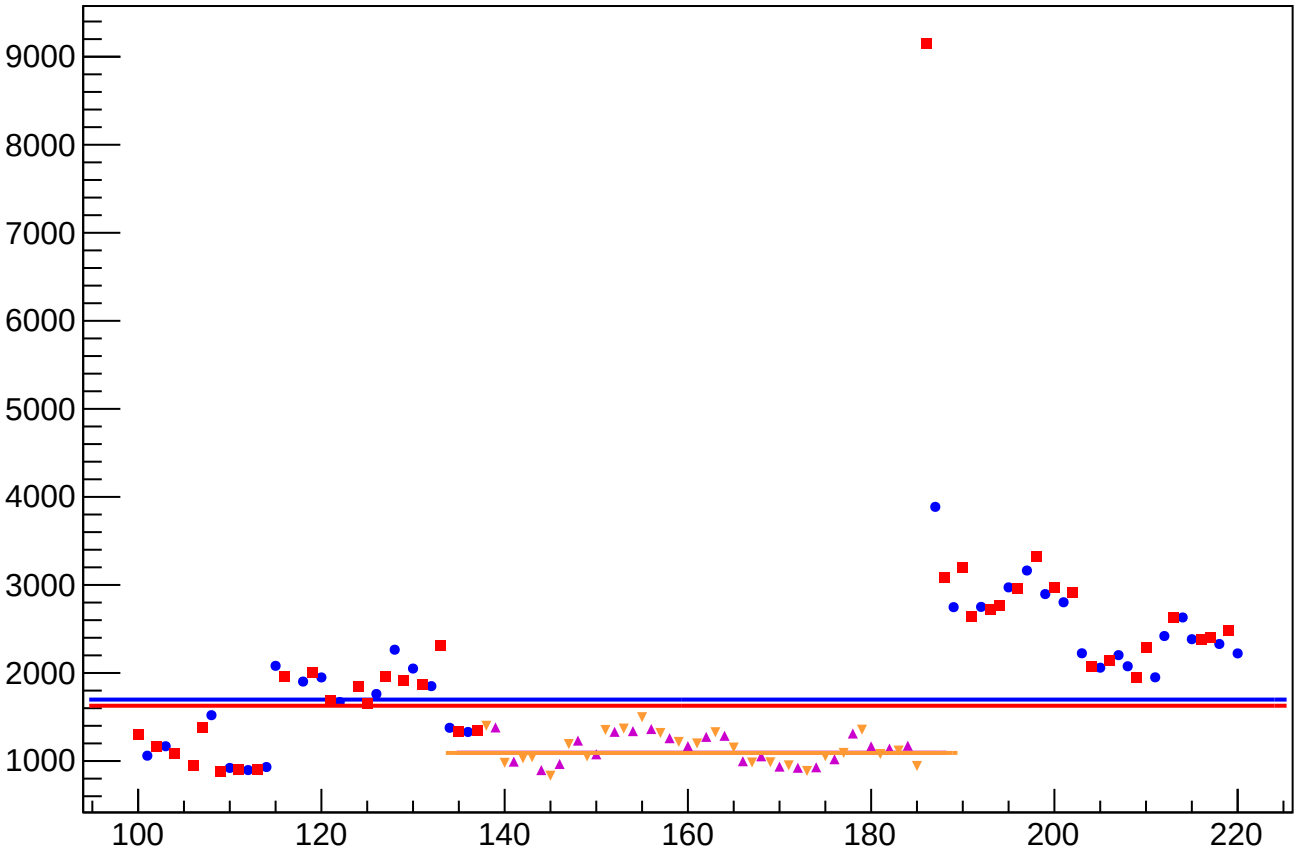
Right Out: -2073.038+/-387.385 χ^2/NDF: 70.0/36

Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1248.818+/-212.737 χ^2/NDF: 109.3/57

All: -1014.260+/-151.314 χ^2/NDF: 221.3/117

- sign -774.094+/-215.265 χ^2/NDF: 109.5/59



Right In: 1697.917+/-0.281 χ^2/NDF: 5392732.7/32

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1627.957+/-0.274 χ^2/NDF: 7378982.3/36

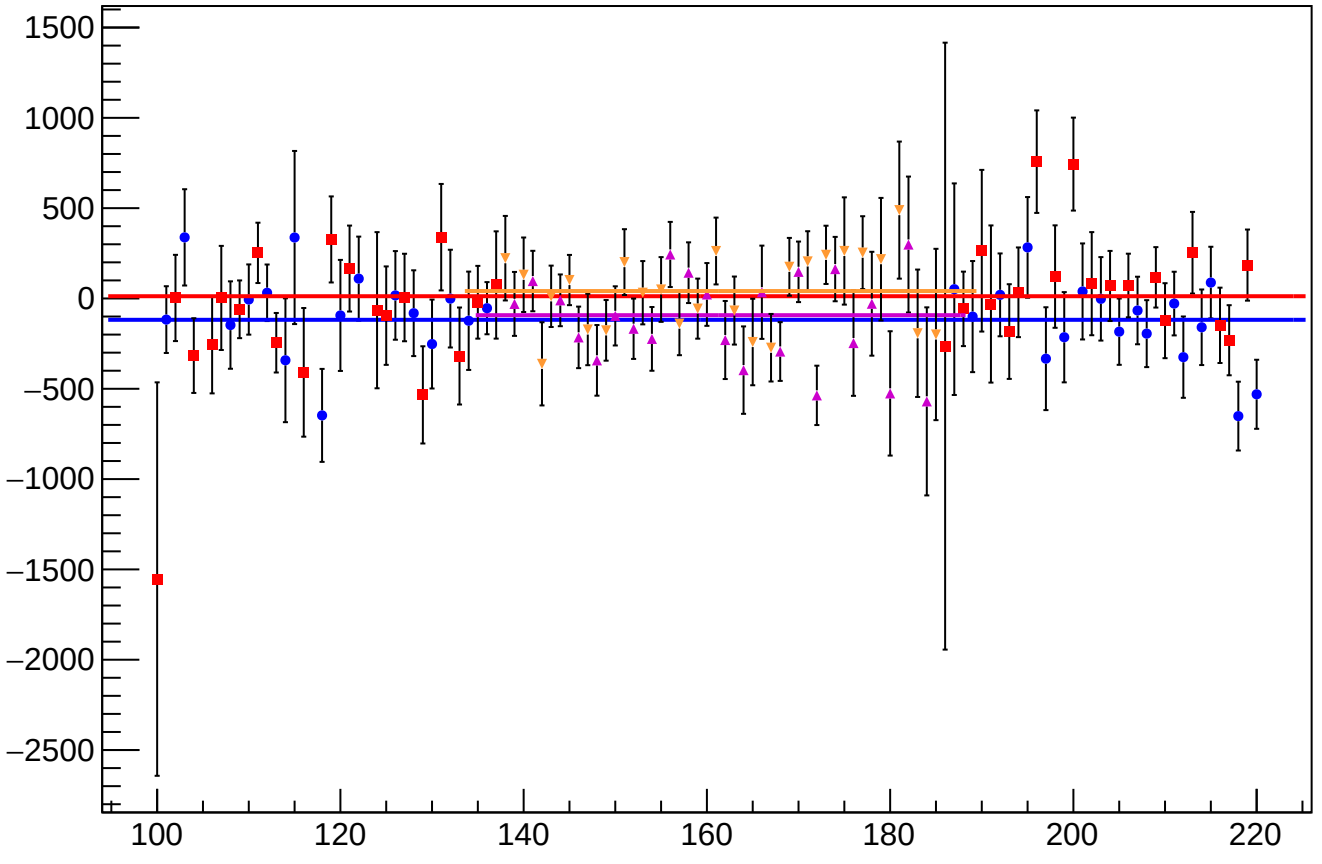
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1265.287+/-0.150 χ^2/NDF: 9598606.9/57

All: 1262.285+/-0.107 χ^2/NDF: 20333103.2/1

- sign 1259.211+/-0.152 χ^2/NDF: 10733690.0/59

dit_asym_sam_48_avg_mean vs Slug



Right In: -118.156+/-38.930 χ^2/NDF: 30.7/32

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 12.456+/-38.822 χ^2/NDF: 42.3/36

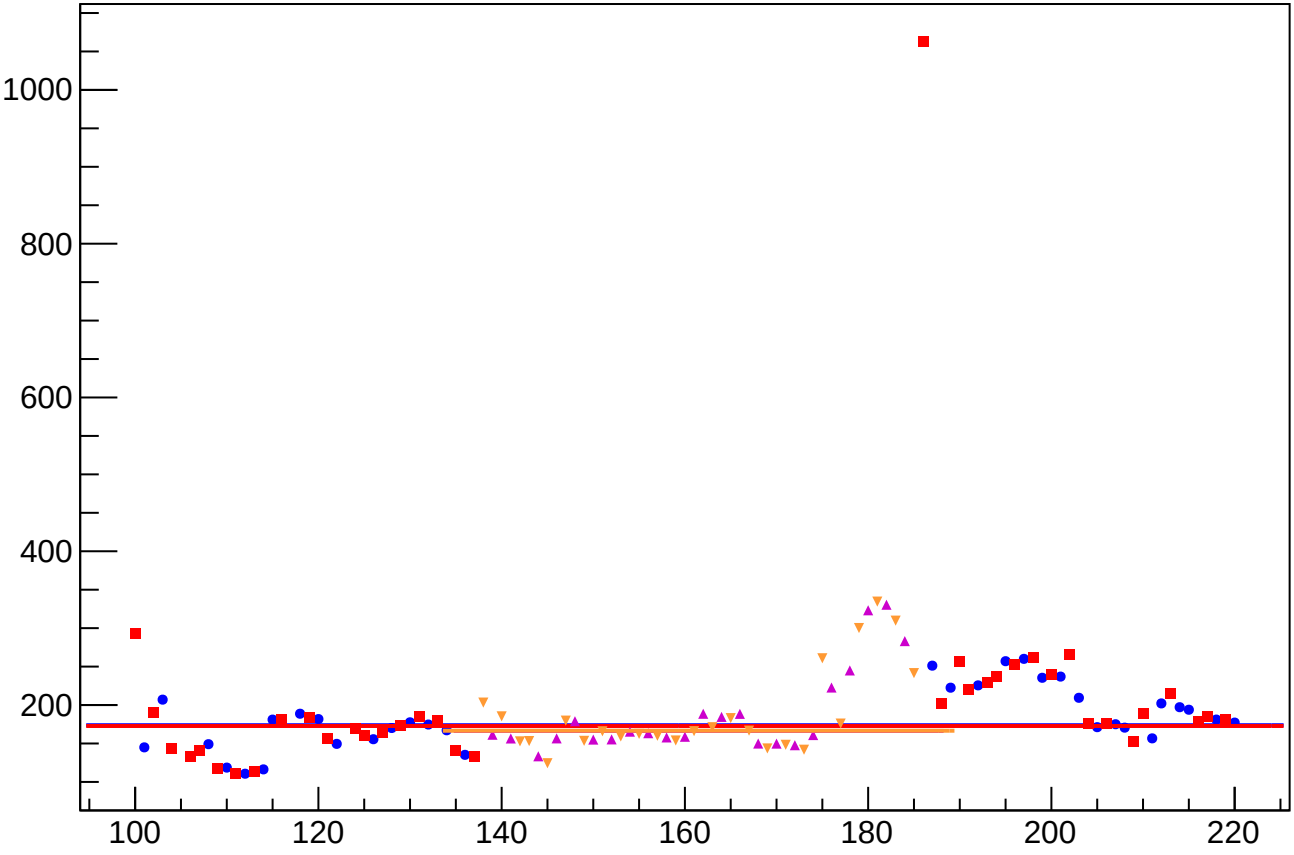
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -39.038+/-27.615 χ^2/NDF: 61.3/57

All: -38.655+/-19.631 χ^2/NDF: 136.6/117

- sign -38.264+/-27.914 χ^2/NDF: 75.3/59

dit_asym_sam_48_avg_rms vs Slug



Right In: 173.738+/-0.028 χ^2/NDF: 1761592.5/32

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 172.777+/-0.027 χ^2/NDF: 2772327.1/36

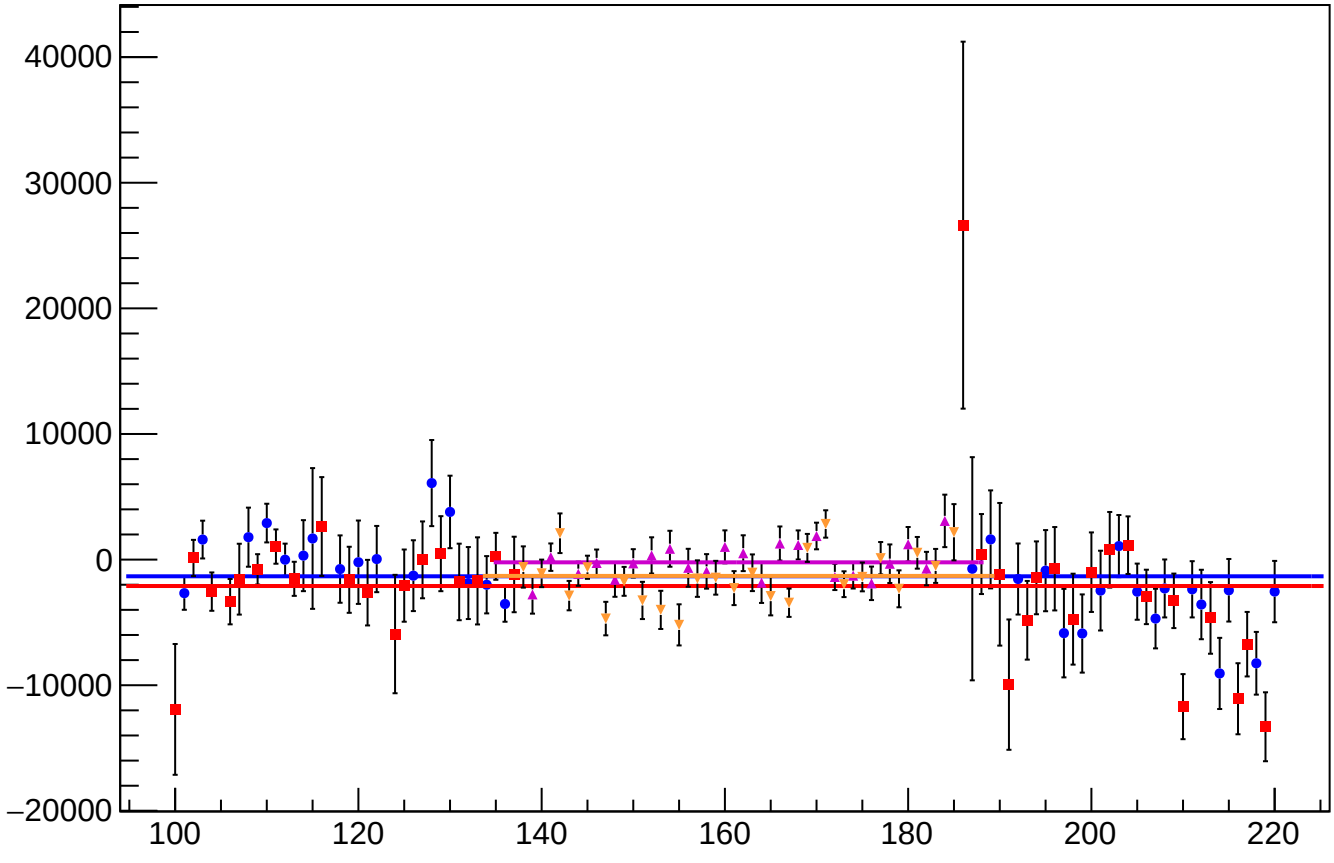
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 170.191+/-0.020 χ^2/NDF: 3514851.9/57

All: 169.925+/-0.014 χ^2/NDF: 7706842.2/117

- sign 169.653+/-0.020 χ^2/NDF: 4191614.1/59

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -1328.445+/-402.956 χ^2/NDF: 51.1/32

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -2102.488+/-391.014 χ^2/NDF: 74.7/36

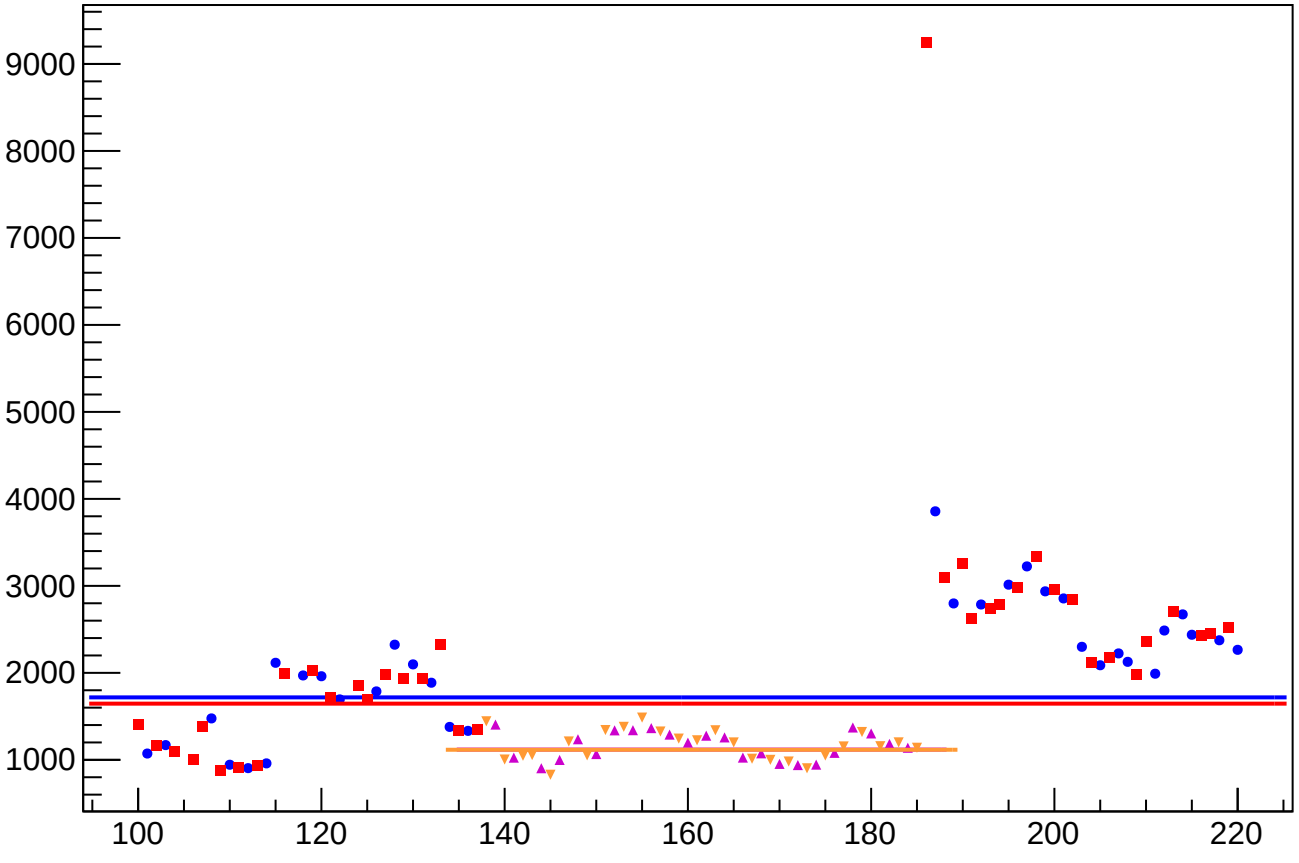
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1307.038+/-216.658 χ^2/NDF: 106.2/57

All: -1060.603+/-154.029 χ^2/NDF: 221.7/117

- sign -808.765+/-219.020 χ^2/NDF: 112.9/59

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1718.090+/-0.285 χ^2/NDF: 5498227.9/32

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1646.075+/-0.276 χ^2/NDF: 7382094.9/36

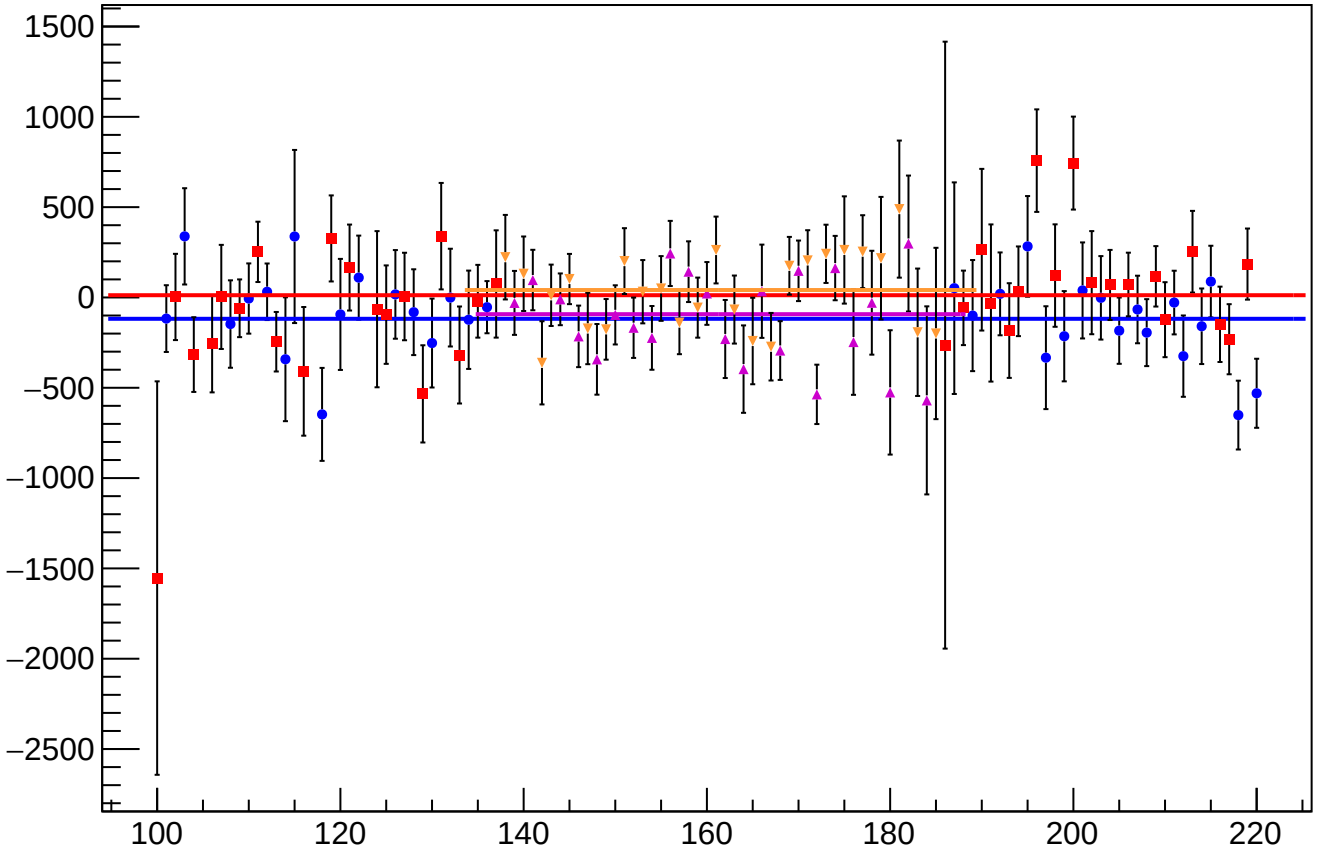
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1290.083+/-0.153 χ^2/NDF: 9539695.9/57

All: 1286.860+/-0.109 χ^2/NDF: 20157007.8/1

- sign 1283.567+/-0.155 χ^2/NDF: 10616417.2/59

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -118.152+/-38.930 χ^2/NDF: 30.7/32

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 12.460+/-38.822 χ^2/NDF: 42.3/36

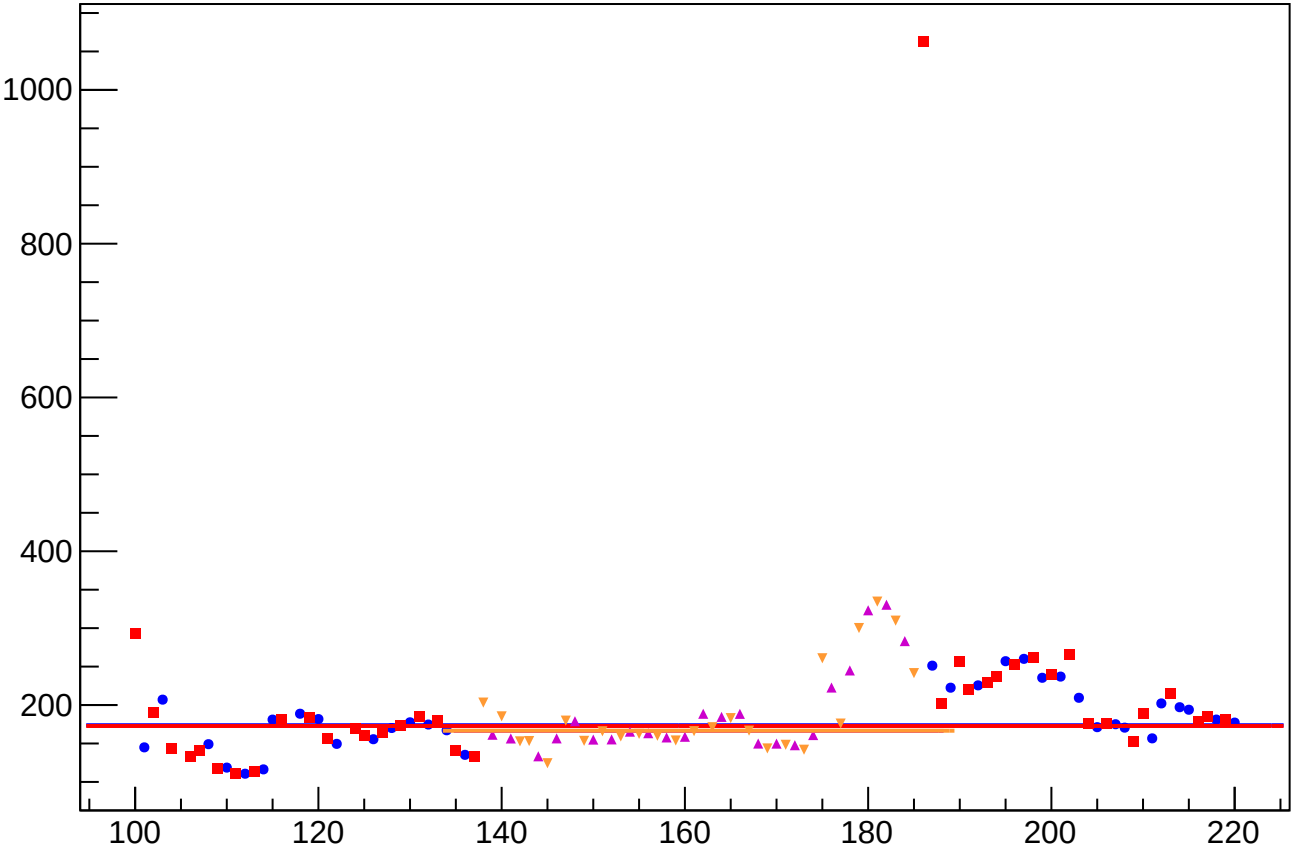
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -39.035+/-27.615 χ^2/NDF: 61.3/57

All: -38.653+/-19.631 χ^2/NDF: 136.6/117

- sign -38.262+/-27.914 χ^2/NDF: 75.3/59

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 173.738+/-0.028 χ^2/NDF: 1761572.4/32

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

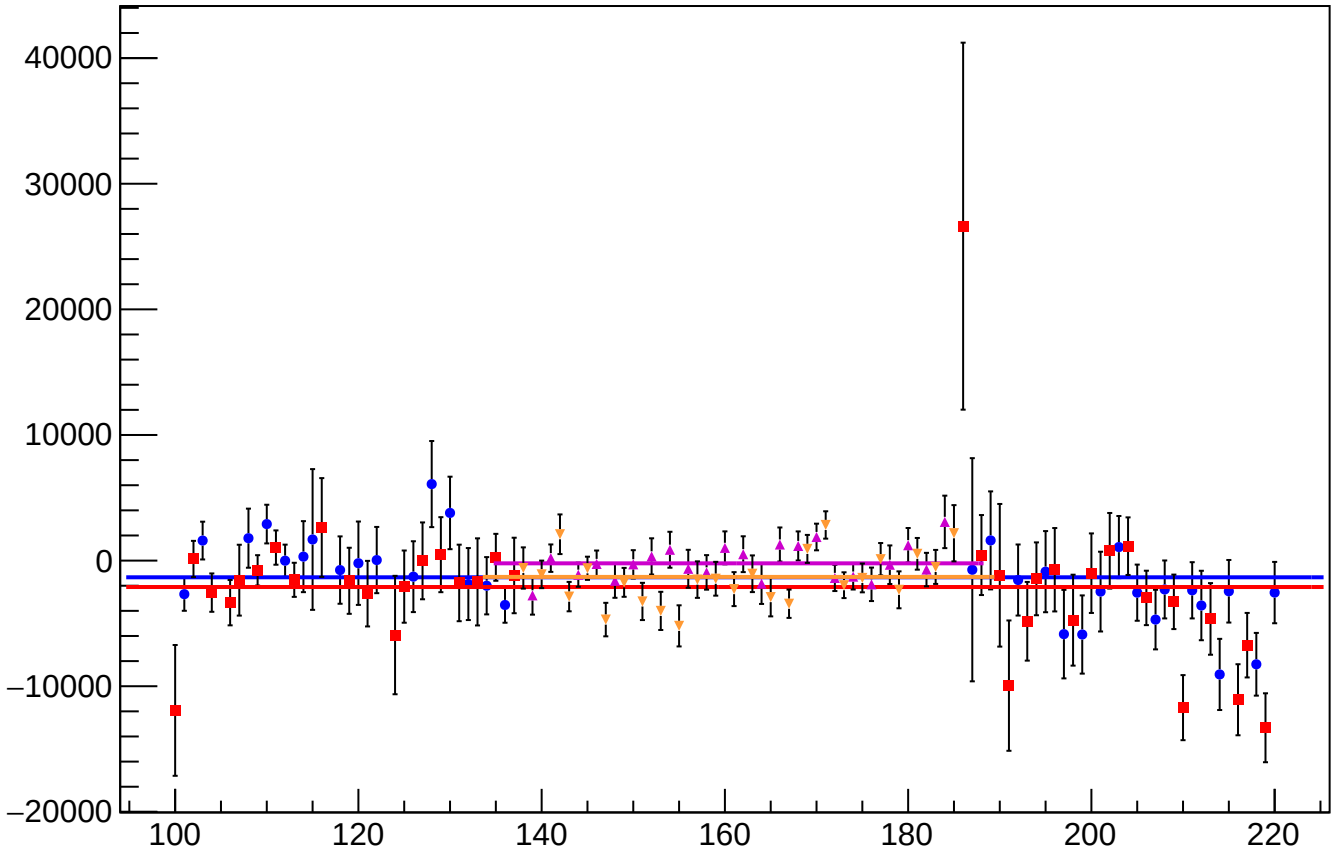
Right Out: 172.777+/-0.027 χ^2/NDF: 2772328.2/36

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 170.191+/-0.020 χ^2/NDF: 3514821.7/57

All: 169.925+/-0.014 χ^2/NDF: 7706790.0/117

- sign 169.653+/-0.020 χ^2/NDF: 4191592.2/59



Right In: -1328.443+/-402.955 χ^2/NDF: 51.1/32

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

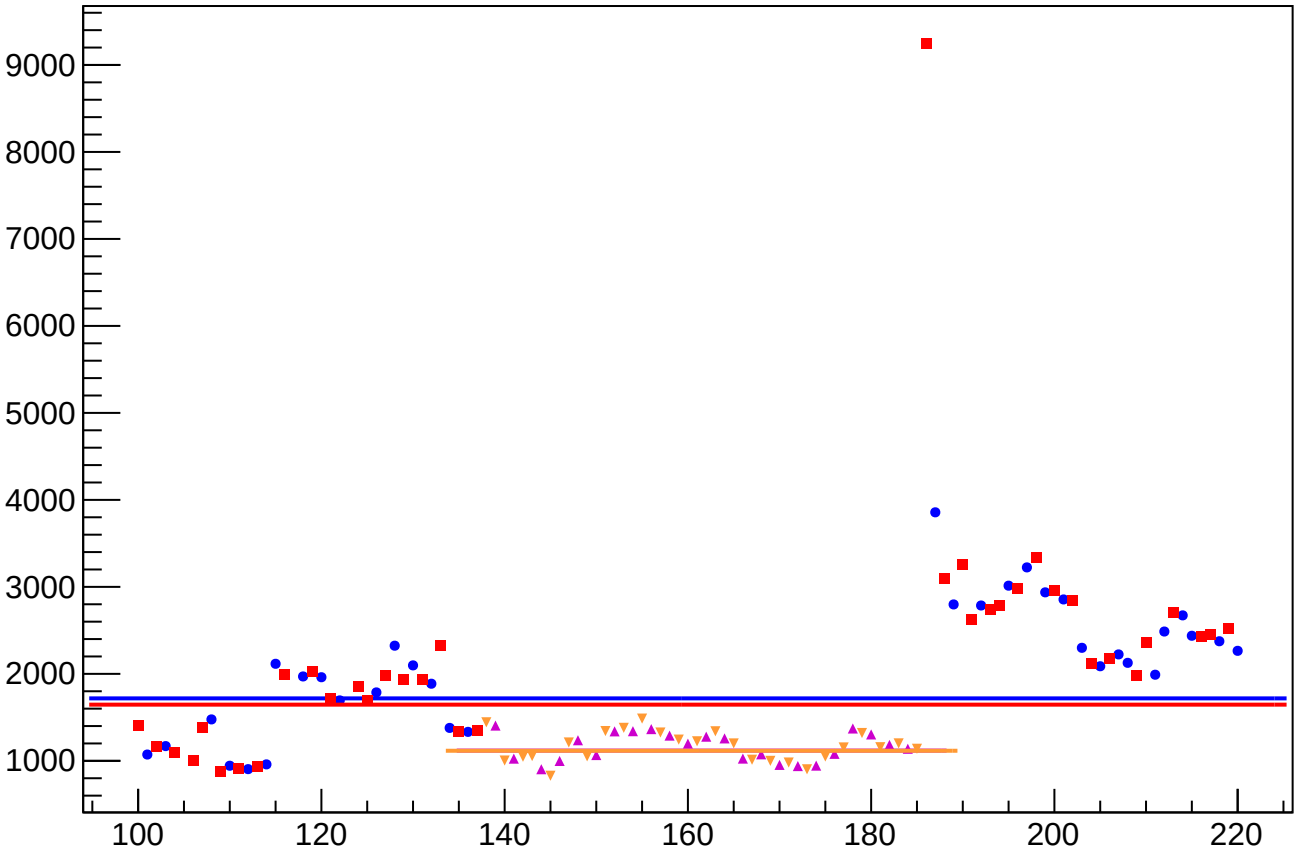
Right Out: -2102.485+/-391.014 χ^2/NDF: 74.7/36

Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1307.035+/-216.658 χ^2/NDF: 106.2/57

All: -1060.600+/-154.028 χ^2/NDF: 221.7/117

- sign -808.762+/-219.019 χ^2/NDF: 112.9/59



Right In: 1718.089+/-0.285 χ^2/NDF: 5498228.5/32

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1646.073+/-0.276 χ^2/NDF: 7382094.6/36

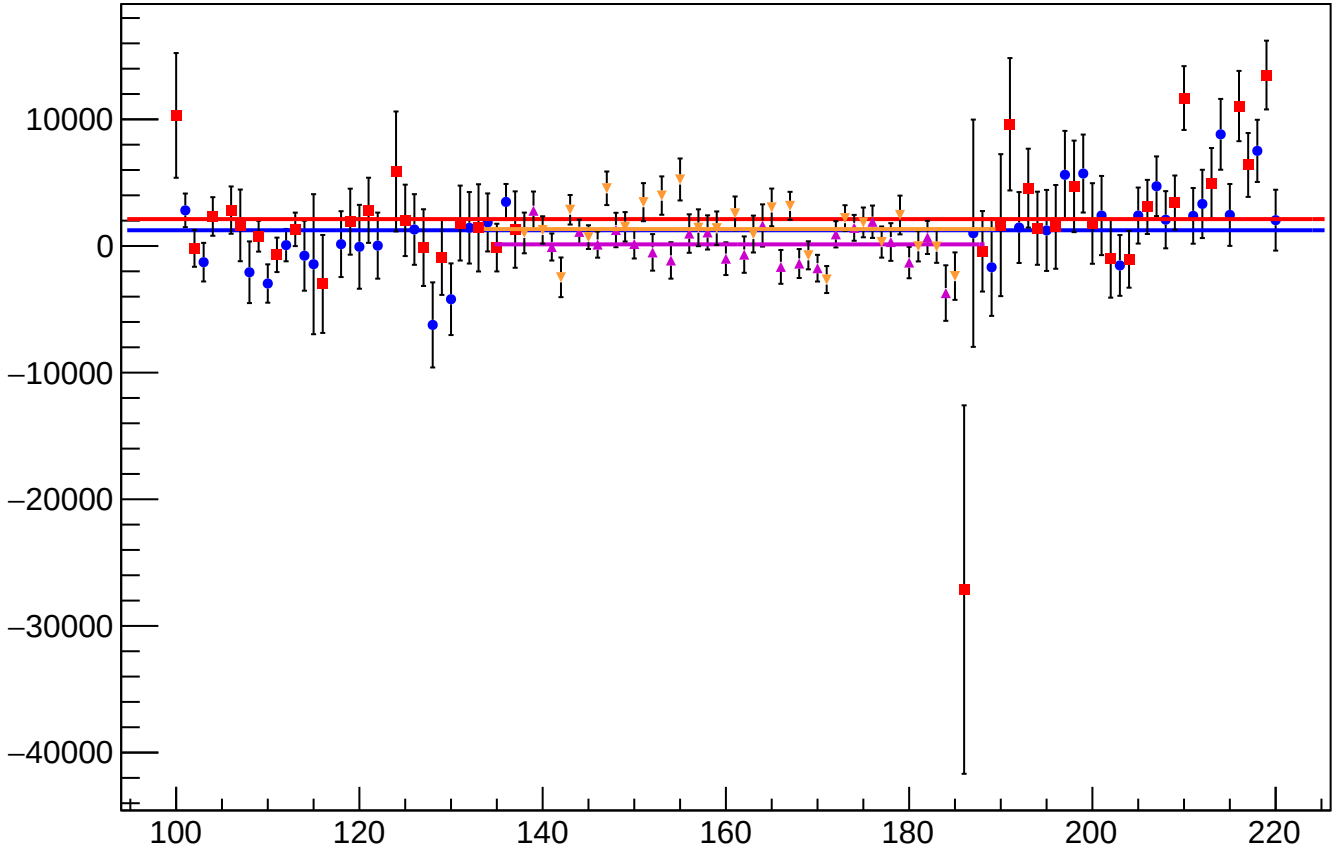
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1290.081+/-0.153 χ^2/NDF: 9539708.0/57

All: 1286.858+/-0.109 χ^2/NDF: 20157027.0/1

- sign 1283.565+/-0.155 χ^2/NDF: 10616424.3/59

asym_sam_48_avg_mean vs Slug



Right In: 1241.876+/-400.032 χ^2/NDF: 50.5/32

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 2123.015+/-389.216 χ^2/NDF: 74.8/36

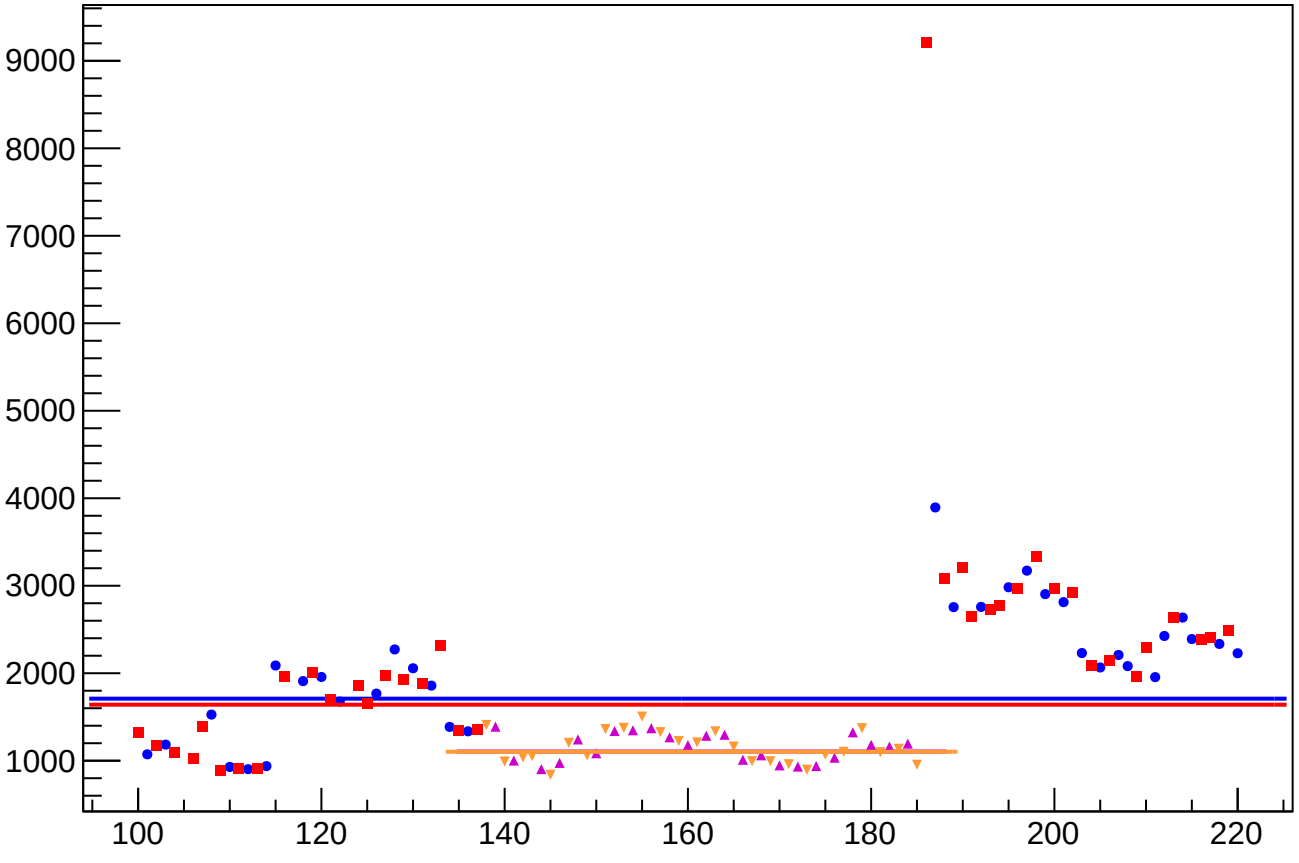
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1308.004+/-214.540 χ^2/NDF: 106.2/57

All: 1031.429+/-152.569 χ^2/NDF: 226.4/117

- sign 748.447+/-217.011 χ^2/NDF: 116.9/59

asym_sam_48_avg_rms vs Slug



Right In: 1709.217+/-0.283 χ^2/NDF: 5319626.6/32

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

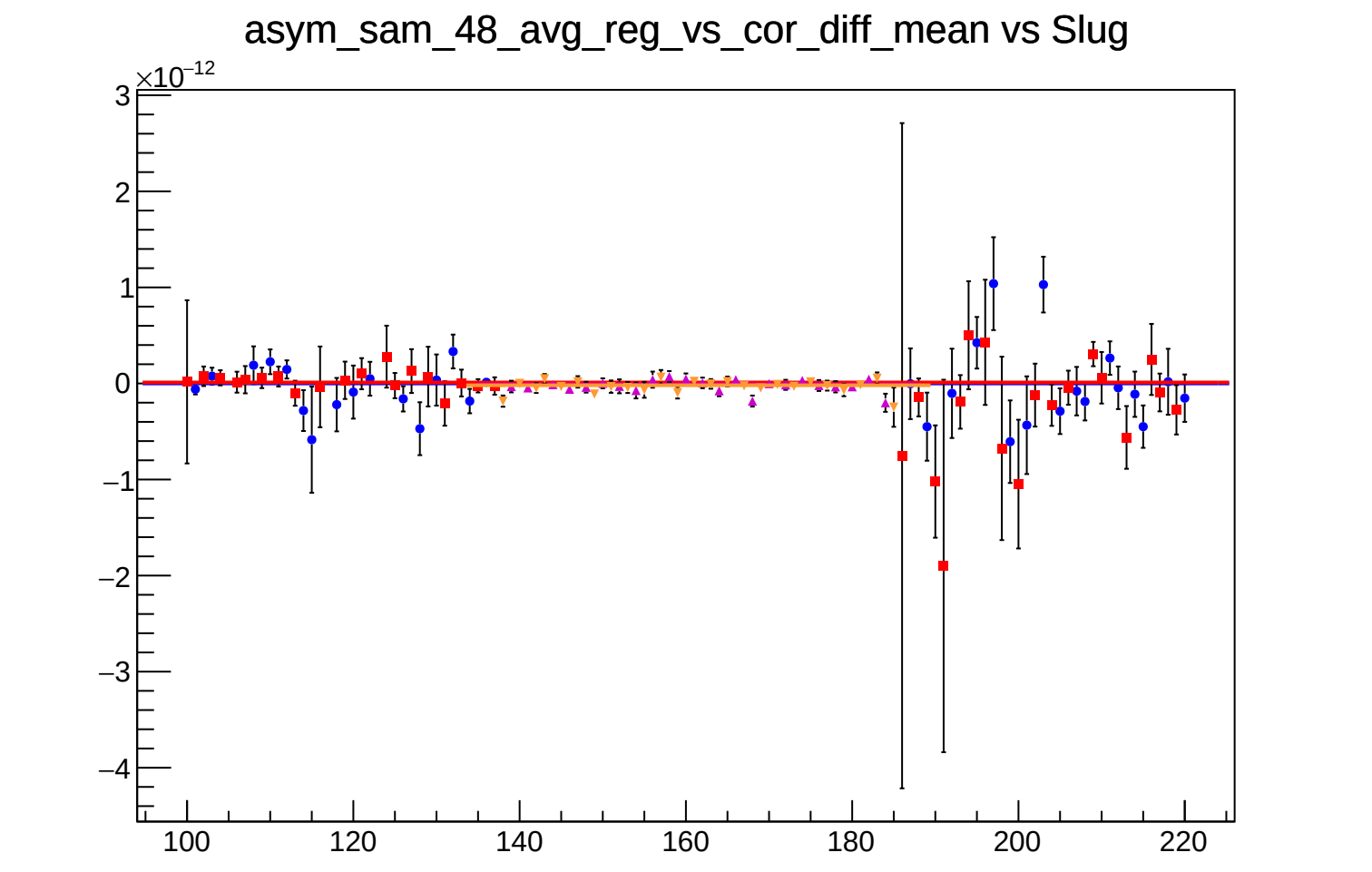
Right Out: 1640.362+/-0.275 χ^2/NDF: 7270447.8/36

Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

+ sign 1277.149+/-0.152 χ^2/NDF: 9475272.0/57

All: 1274.390+/-0.108 χ^2/NDF: 20075369.1/1

- sign 1271.567+/-0.153 χ^2/NDF: 10599427.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 55.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:26.5/24

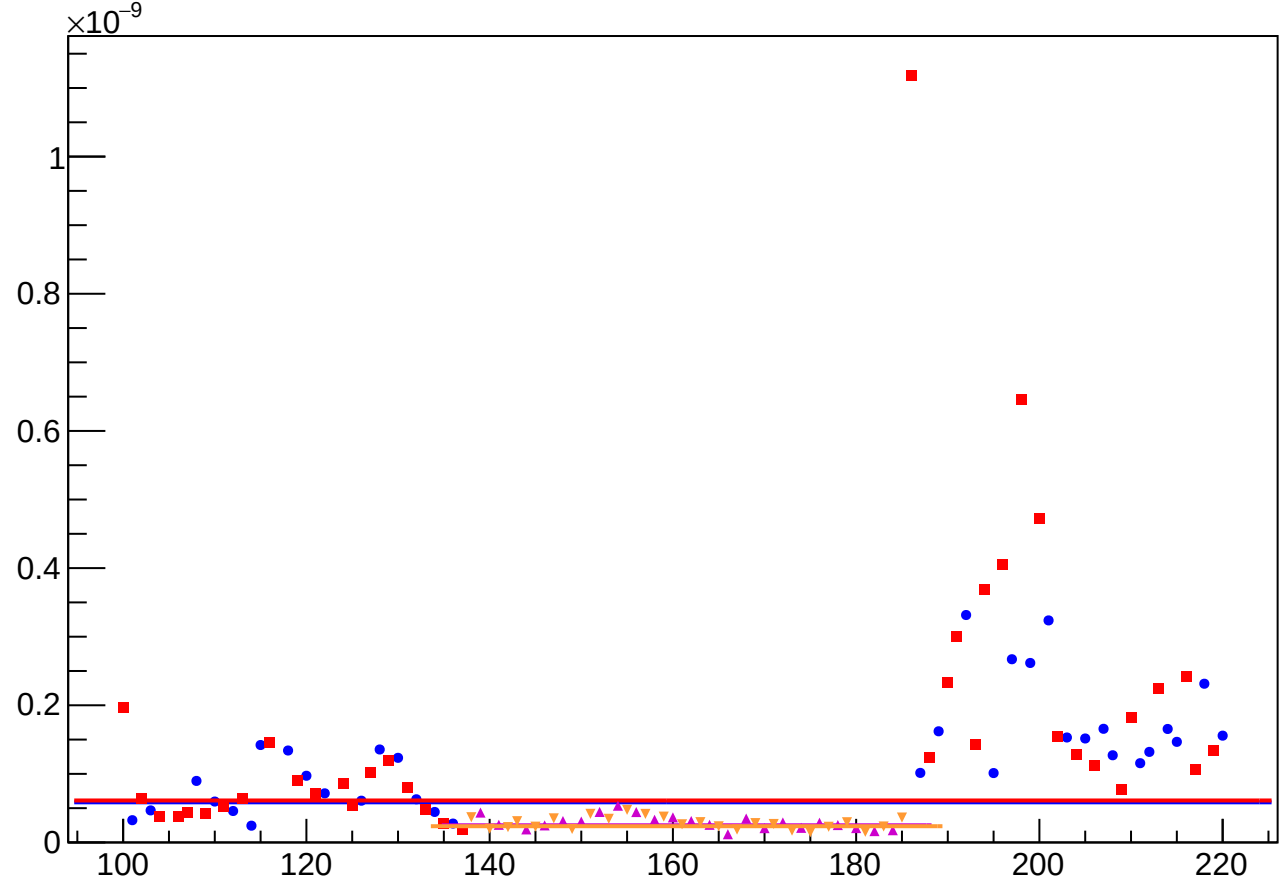
Right Out: 0.000+/-0.000 χ^2/NDF: 26.2/36

Left In: -0.000+/-0.000 χ^2/NDF:27.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.8/57

All: -0.000+/-0.000 χ^2/NDF: 137.1/117

- sign -0.000+/-0.000 χ^2/NDF: 54.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 7469758.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7288118.7/36

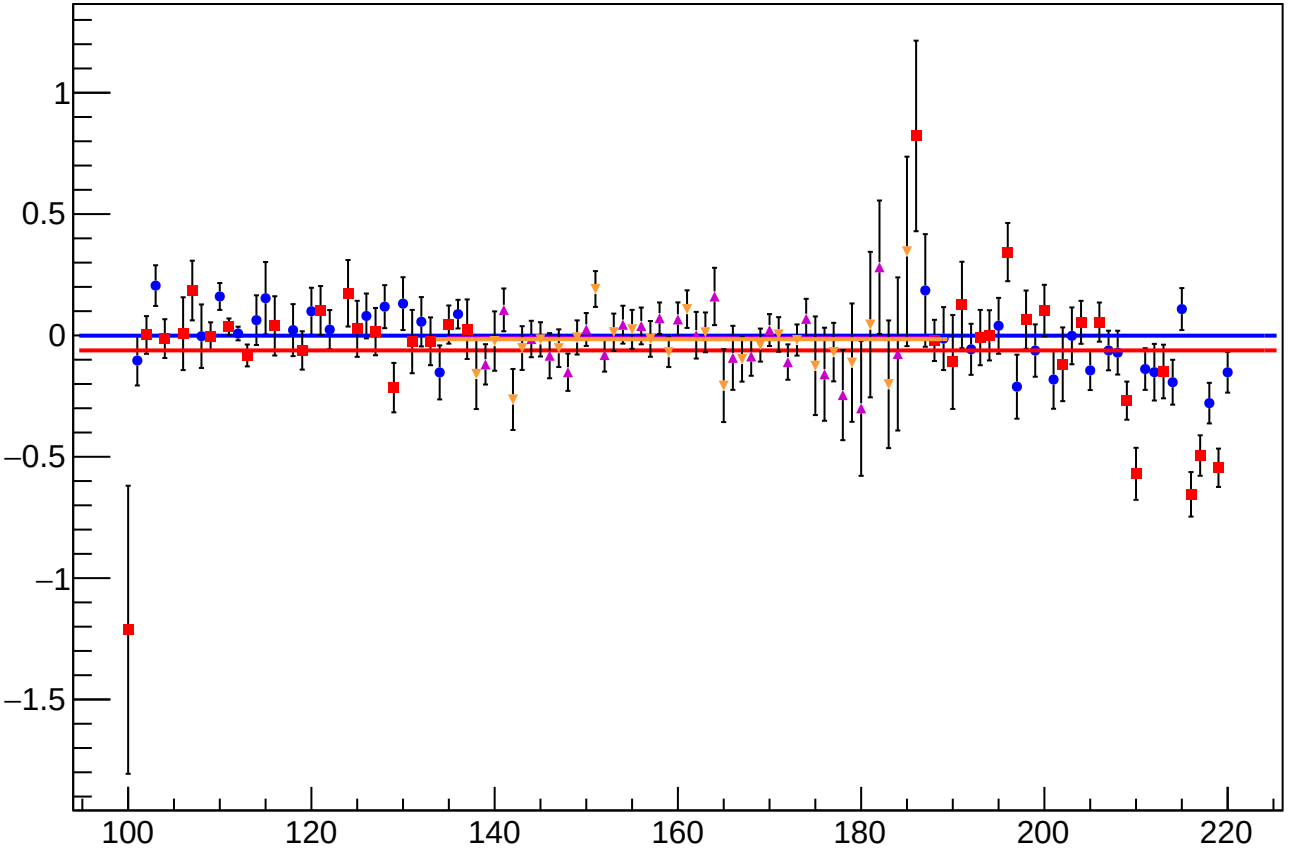
Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12374593.5/57

All: 0.000+/-0.000 χ^2/NDF: 24547632.5/117

- sign 0.000+/-0.000 χ^2/NDF: 12131765.5/59

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.014 χ^2/NDF: 61.8/32

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: -0.062+/-0.014 χ^2/NDF: 192.8/36

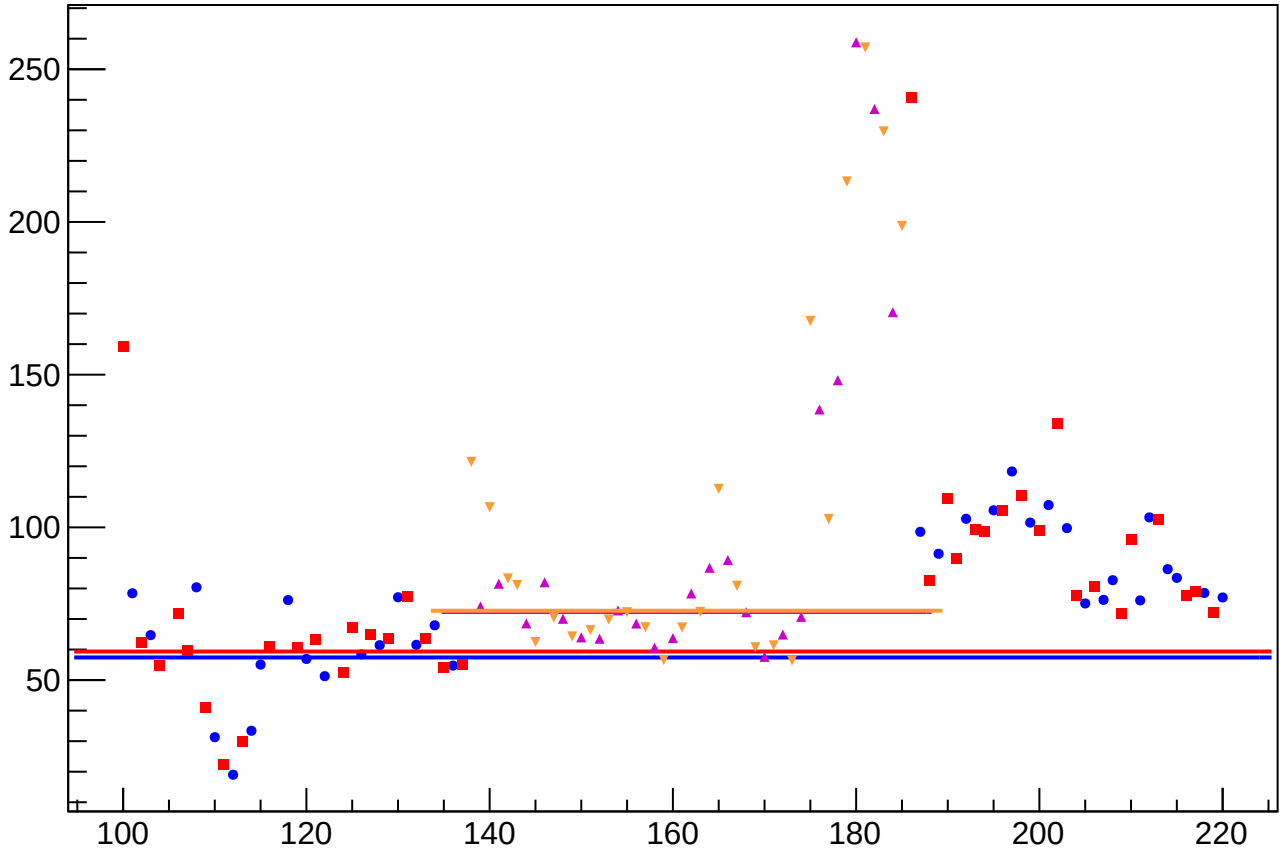
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.007+/-0.011 χ^2/NDF: 83.8/57

All: -0.024+/-0.008 χ^2/NDF: 309.6/117

- sign -0.042+/-0.011 χ^2/NDF: 220.8/59

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 57.409+/-0.010 χ^2/NDF: 8272327.5/32

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

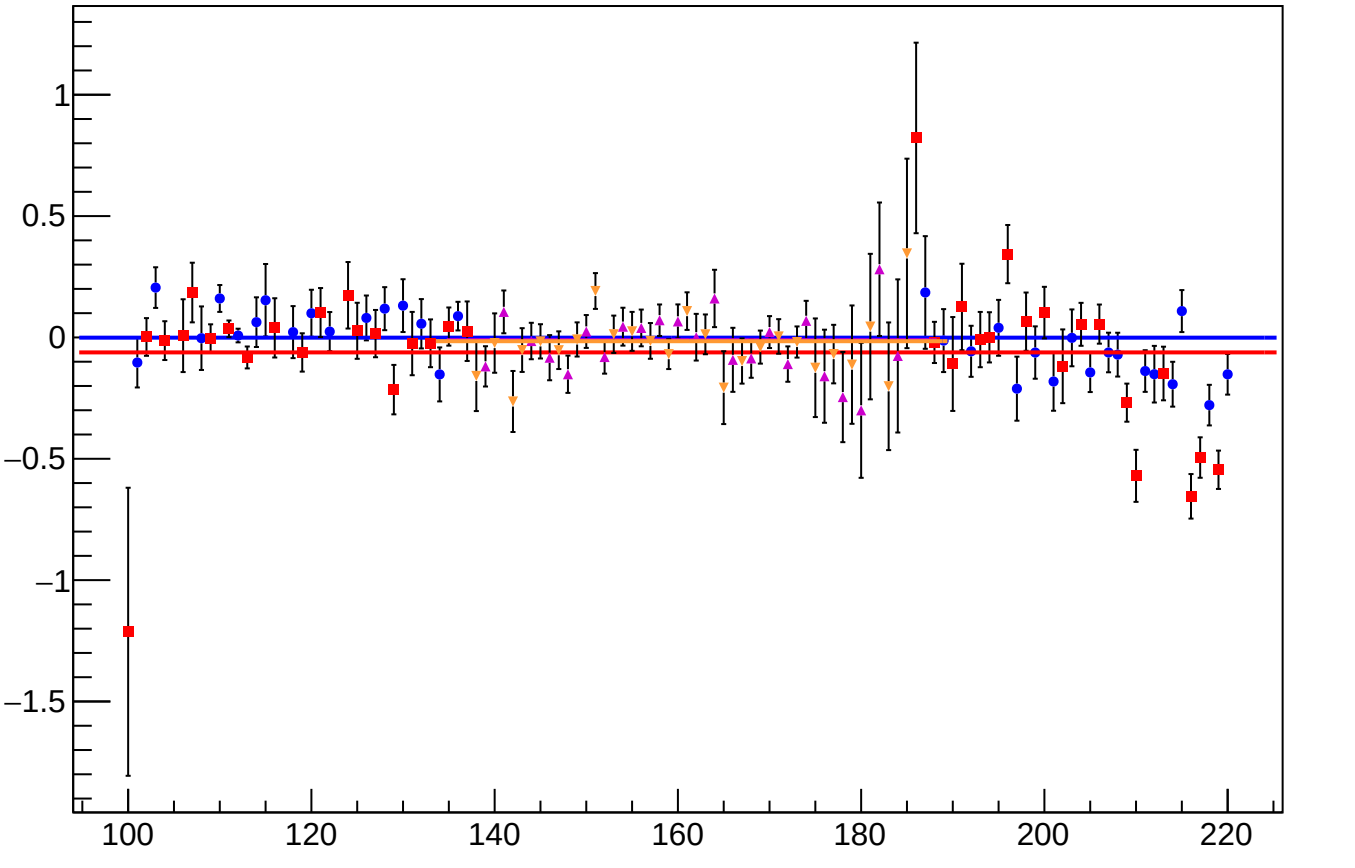
Right Out: 59.350+/-0.010 χ^2/NDF: 7331795.6/36

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 63.365+/-0.008 χ^2/NDF: 13120734.7/57

All: 63.845+/-0.006 χ^2/NDF: 23868871.6/117

- sign 64.336+/-0.008 χ^2/NDF: 10740711.3/59



Right In: -0.001+/-0.014 χ^2/NDF: 61.8/32

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

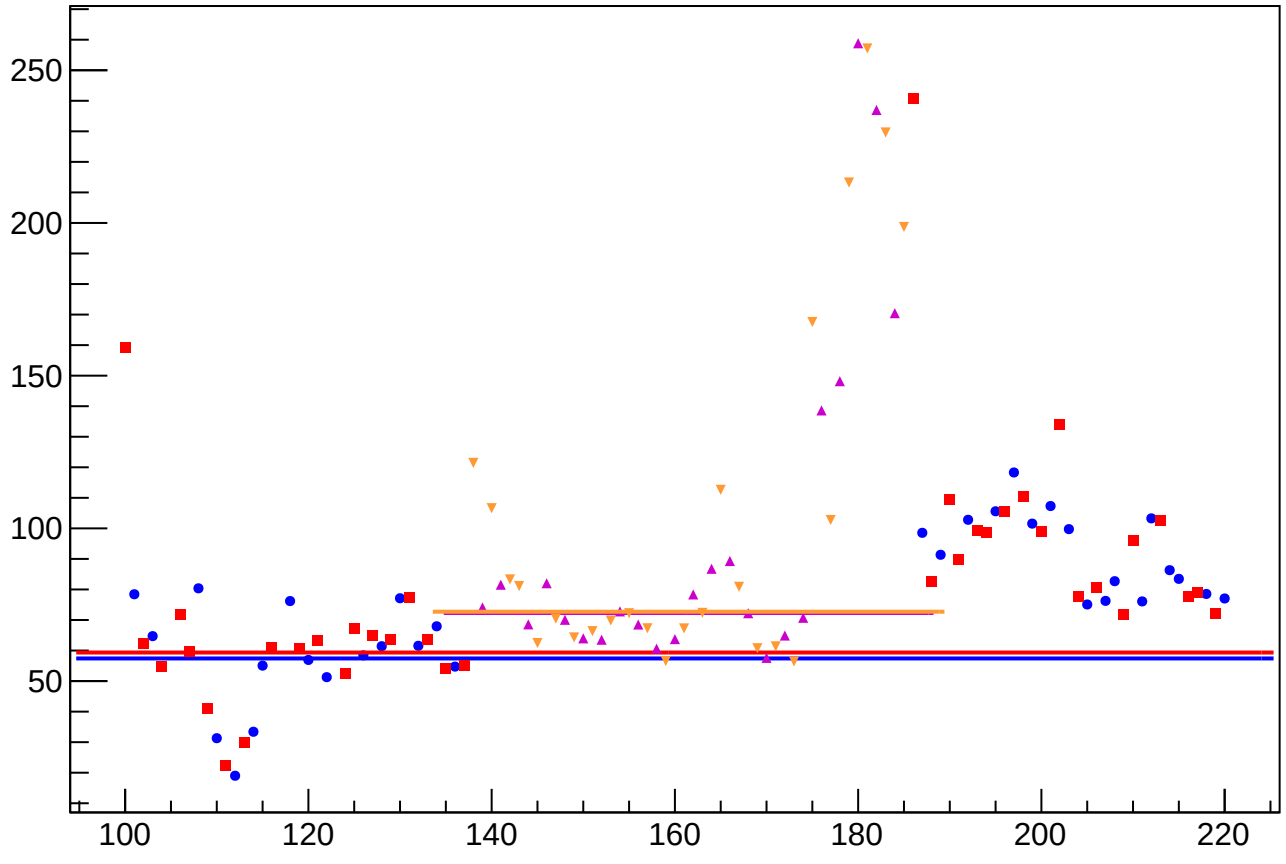
Right Out: -0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.007+/-0.011 χ^2/NDF: 83.8/57

All: -0.024+/-0.008 χ^2/NDF: 309.6/117

- sign -0.042+/-0.011 χ^2/NDF: 220.8/59



Right In: 57.409+/-0.010 χ^2/NDF: 8272327.5/32

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

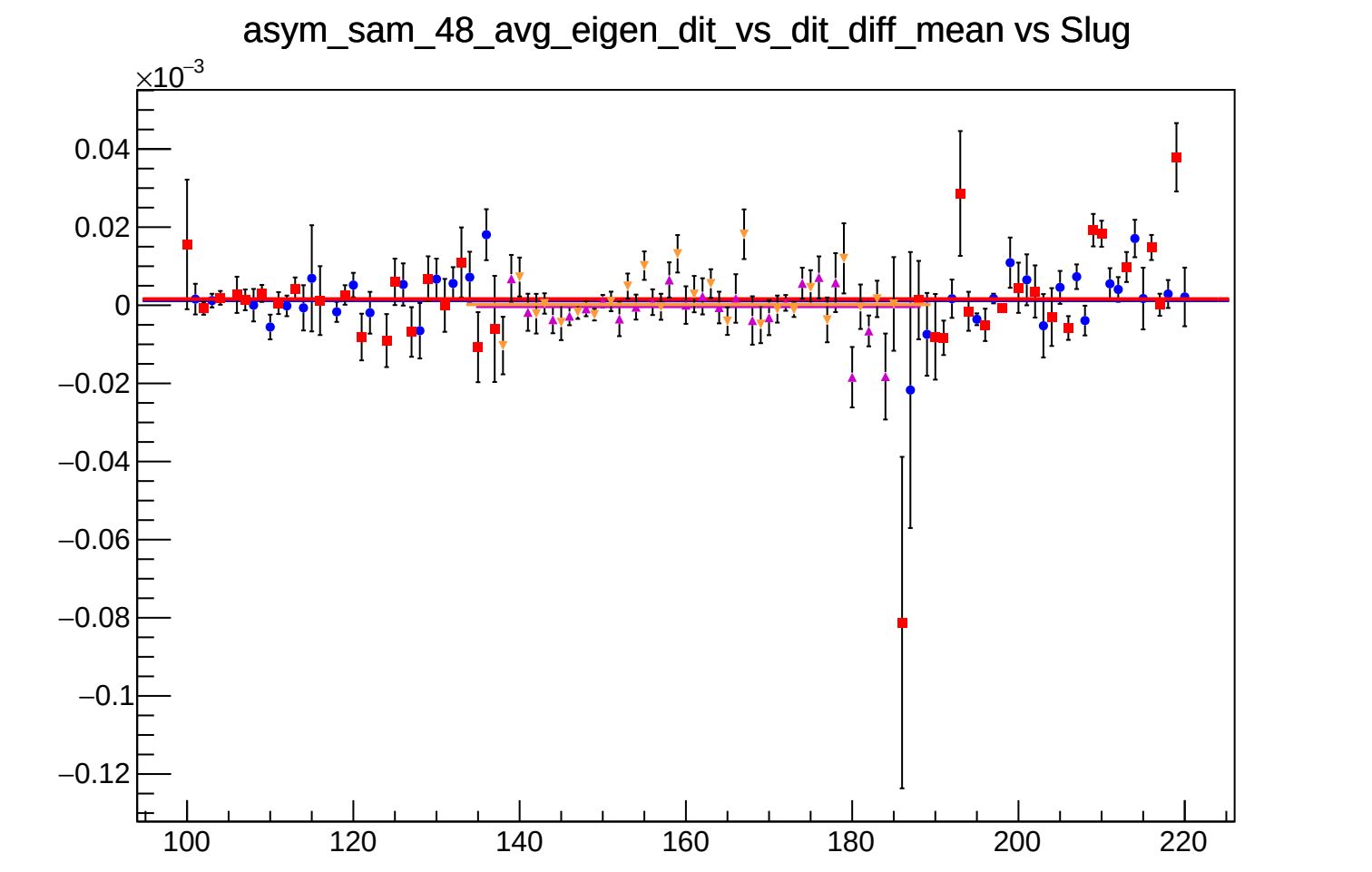
Right Out: 59.350+/-0.010 χ^2/NDF: 7331795.6/36

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 63.365+/-0.008 χ^2/NDF: 13120734.7/57

All: 63.845+/-0.006 χ^2/NDF: 23868871.6/117

- sign 64.336+/-0.008 χ^2/NDF: 10740711.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 54.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

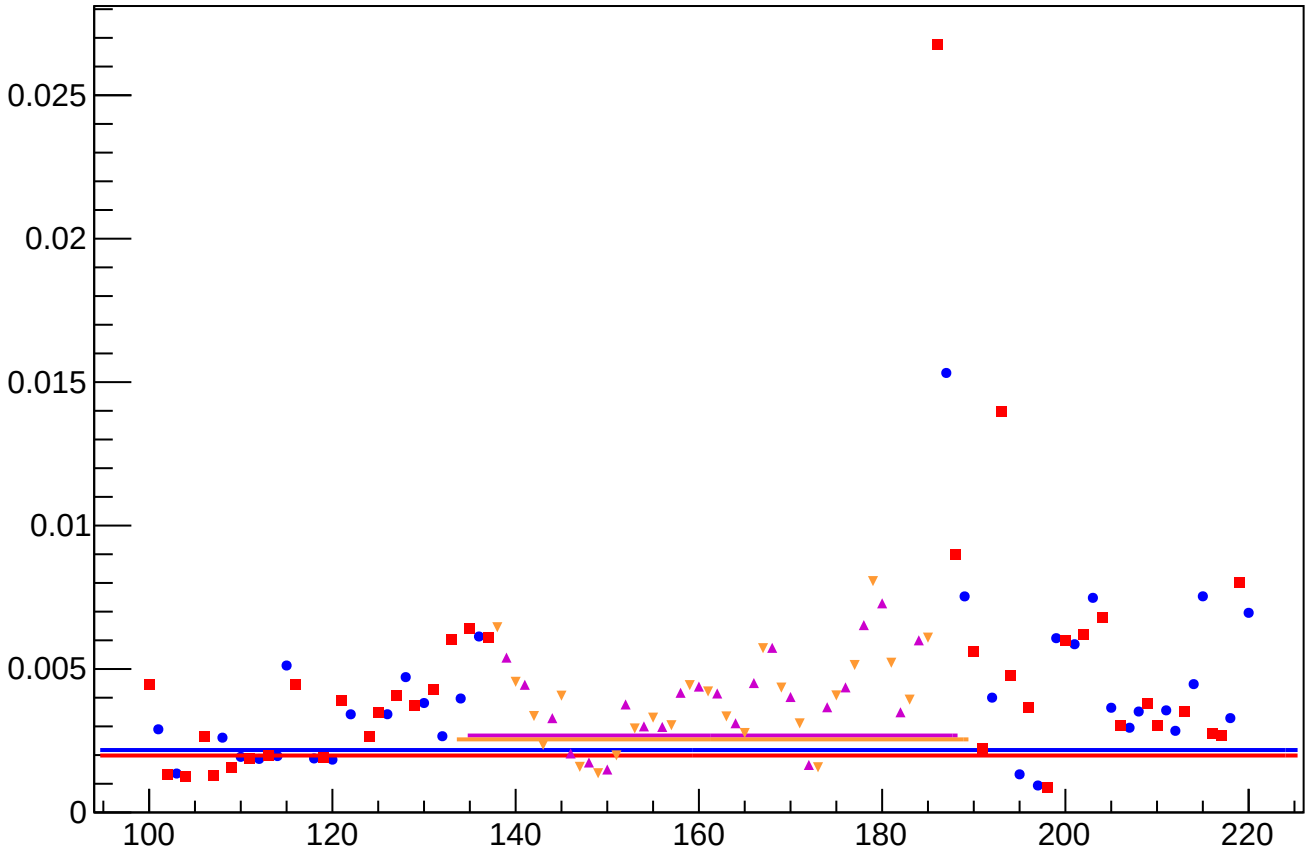
Right Out: 0.000+/-0.000 χ^2/NDF: 125.4/36

Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 98.9/57

All: 0.000+/-0.000 χ^2/NDF: 252.8/117

- sign 0.000+/-0.000 χ^2/NDF: 153.9/59



Right In: 0.002+/-0.000 χ^2/NDF: 11558879.6/32

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

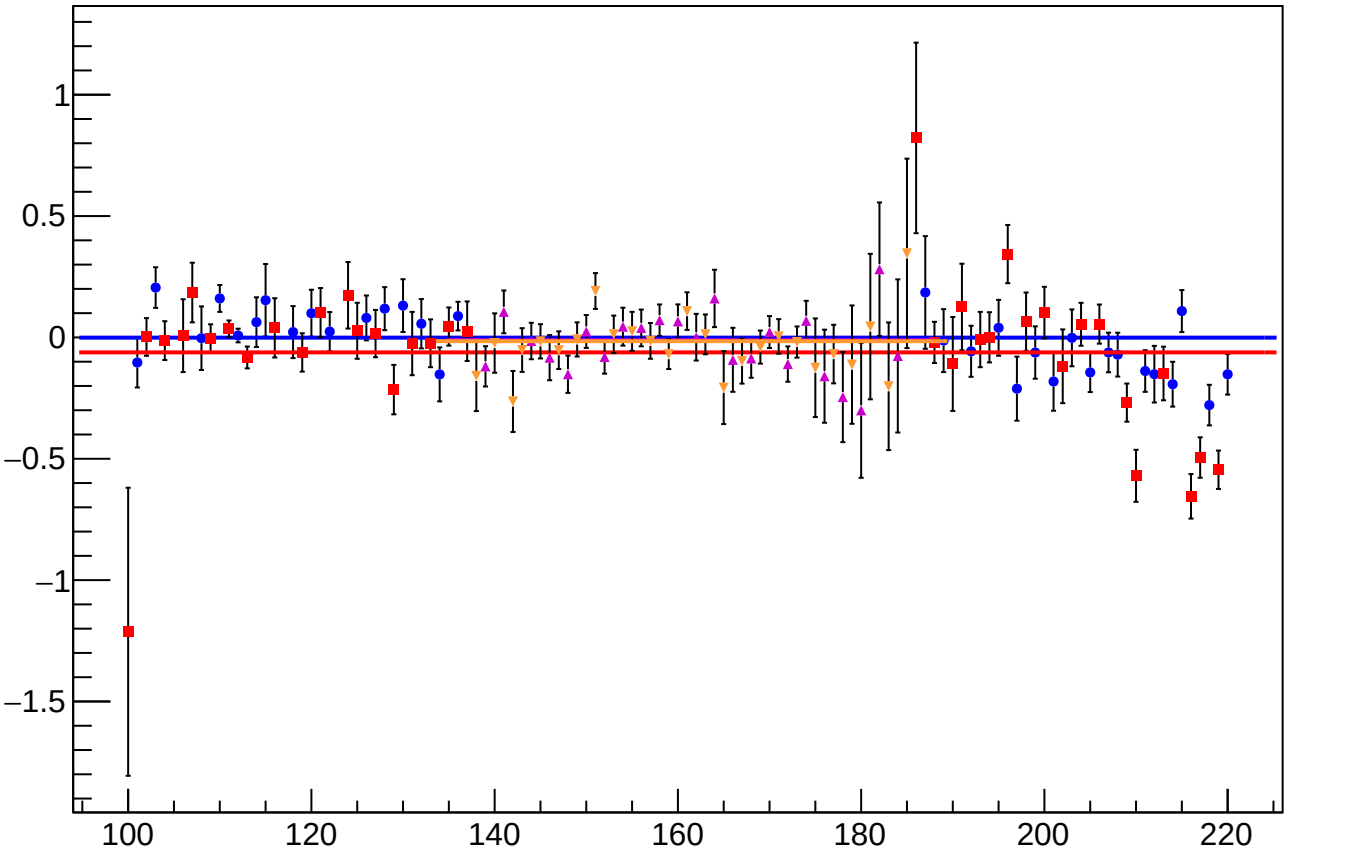
Right Out: 0.002+/-0.000 χ^2/NDF: 14339868.5/36

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 19418894.2/57

All: 0.002+/-0.000 χ^2/NDF: 41552266.0/117

- sign 0.002+/-0.000 χ^2/NDF: 22078696.0/59



Right In: -0.001+/-0.014 χ^2/NDF: 61.8/32

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

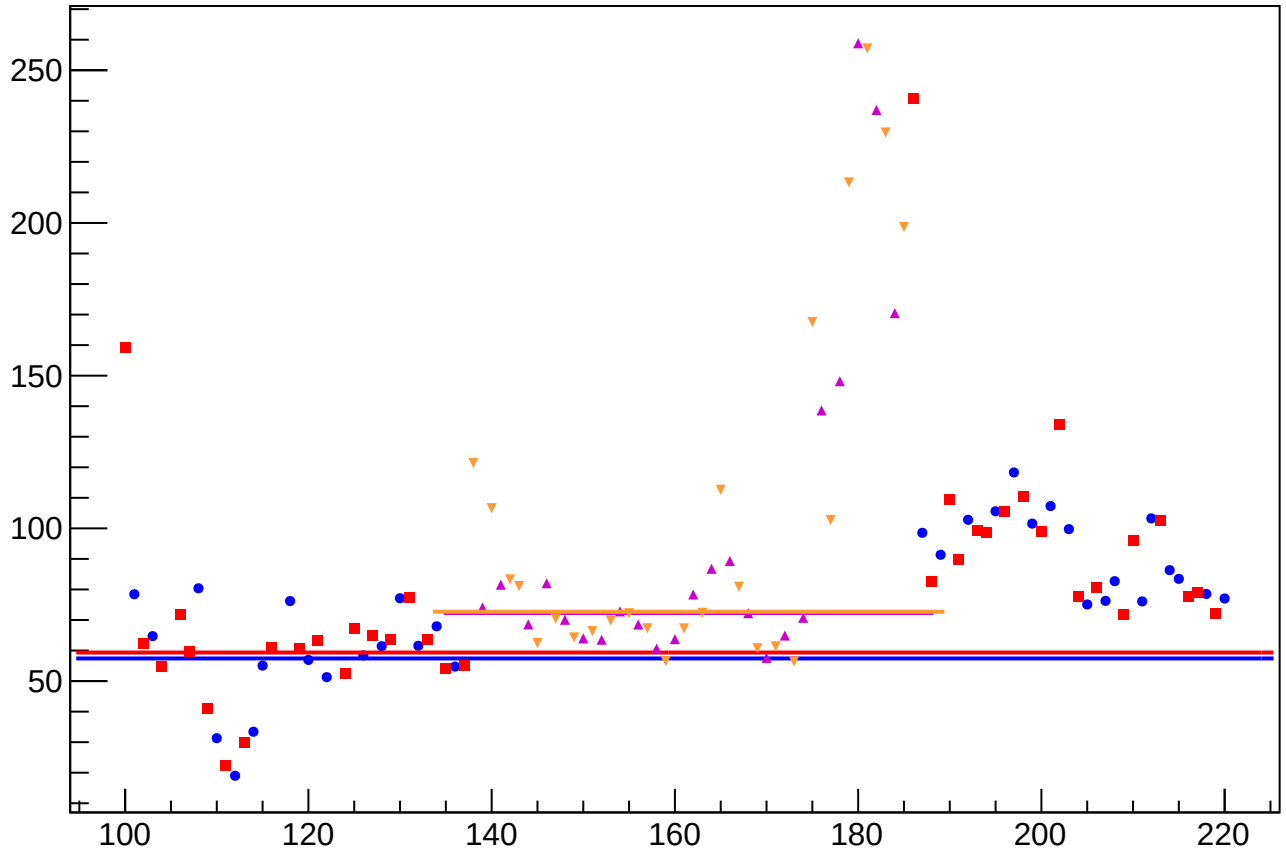
Right Out: -0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.007+/-0.011 χ^2/NDF: 83.8/57

All: -0.024+/-0.008 χ^2/NDF: 309.6/117

- sign -0.042+/-0.011 χ^2/NDF: 220.8/59



Right In: 57.408+/-0.010 χ^2/NDF: 8272613.1/32

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

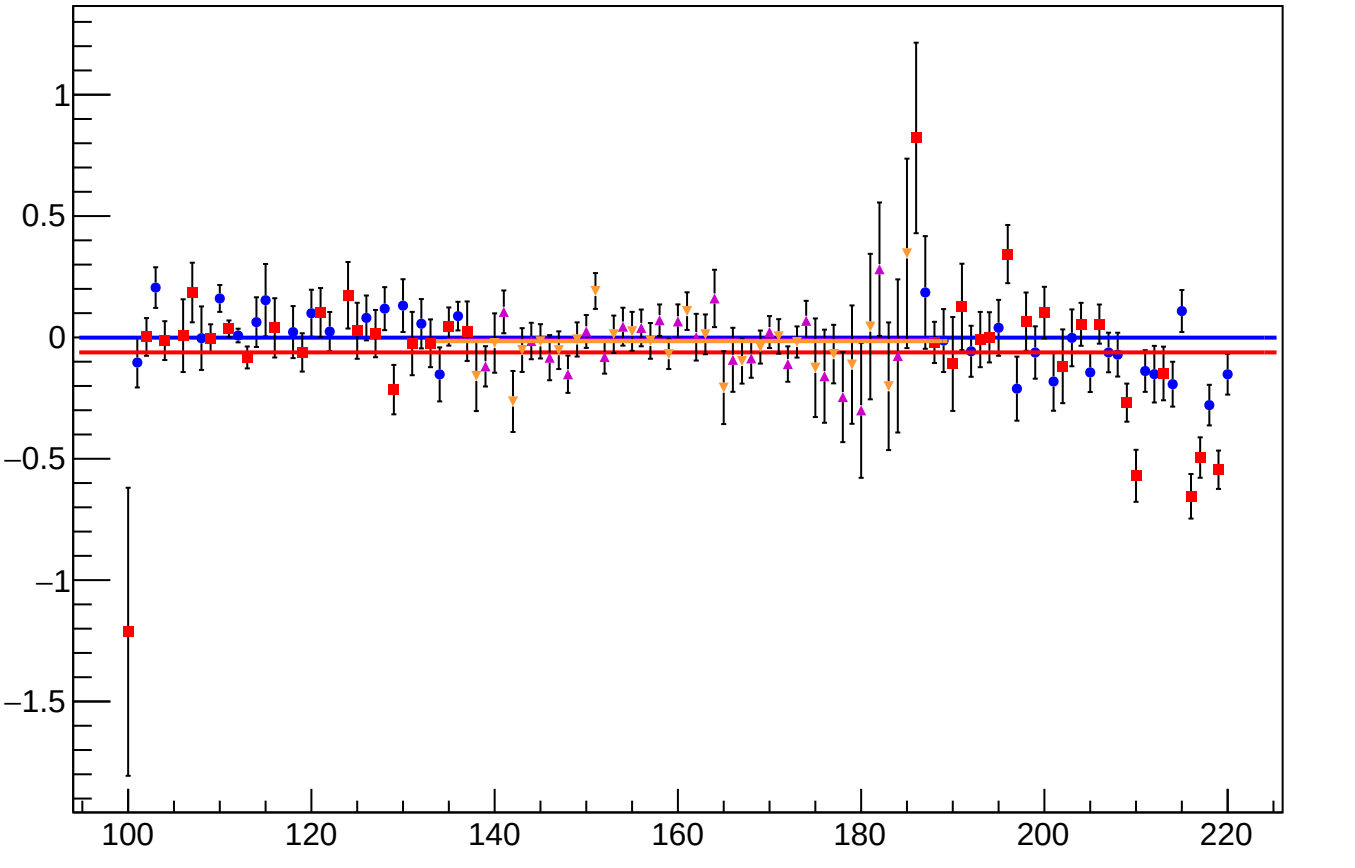
Right Out: 59.349+/-0.010 χ^2/NDF: 7332133.3/36

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 63.364+/-0.008 χ^2/NDF: 13121147.7/57

All: 63.845+/-0.006 χ^2/NDF: 23869698.0/117

- sign 64.335+/-0.008 χ^2/NDF: 10741123.5/59



Right In: -0.001+/-0.014 χ^2/NDF: 61.8/32

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

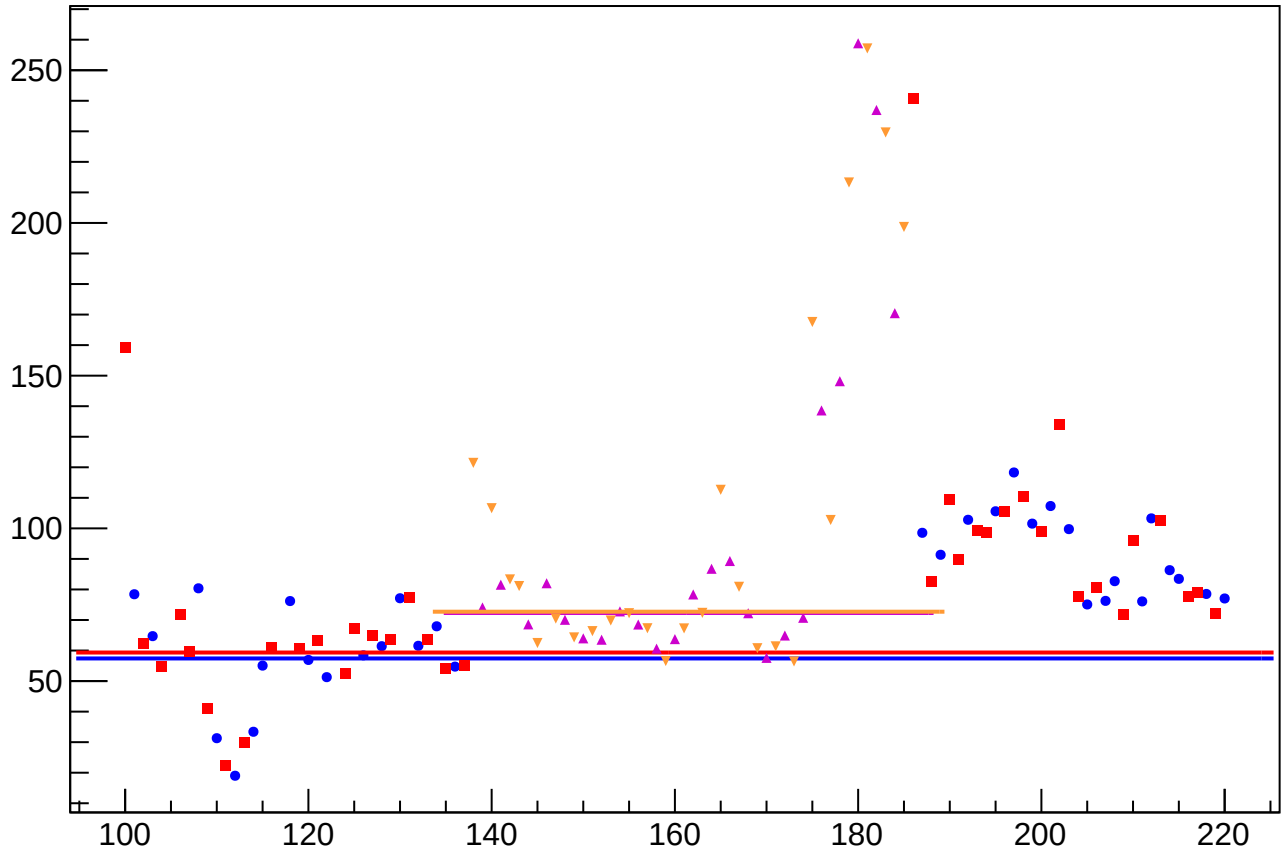
Right Out: -0.062+/-0.014 χ^2/NDF: 192.8/36

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign -0.007+/-0.011 χ^2/NDF: 83.8/57

All: -0.024+/-0.008 χ^2/NDF: 309.6/117

- sign -0.042+/-0.011 χ^2/NDF: 220.8/59



Right In: 57.408+/-0.010 χ^2/NDF: 8272613.1/32

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

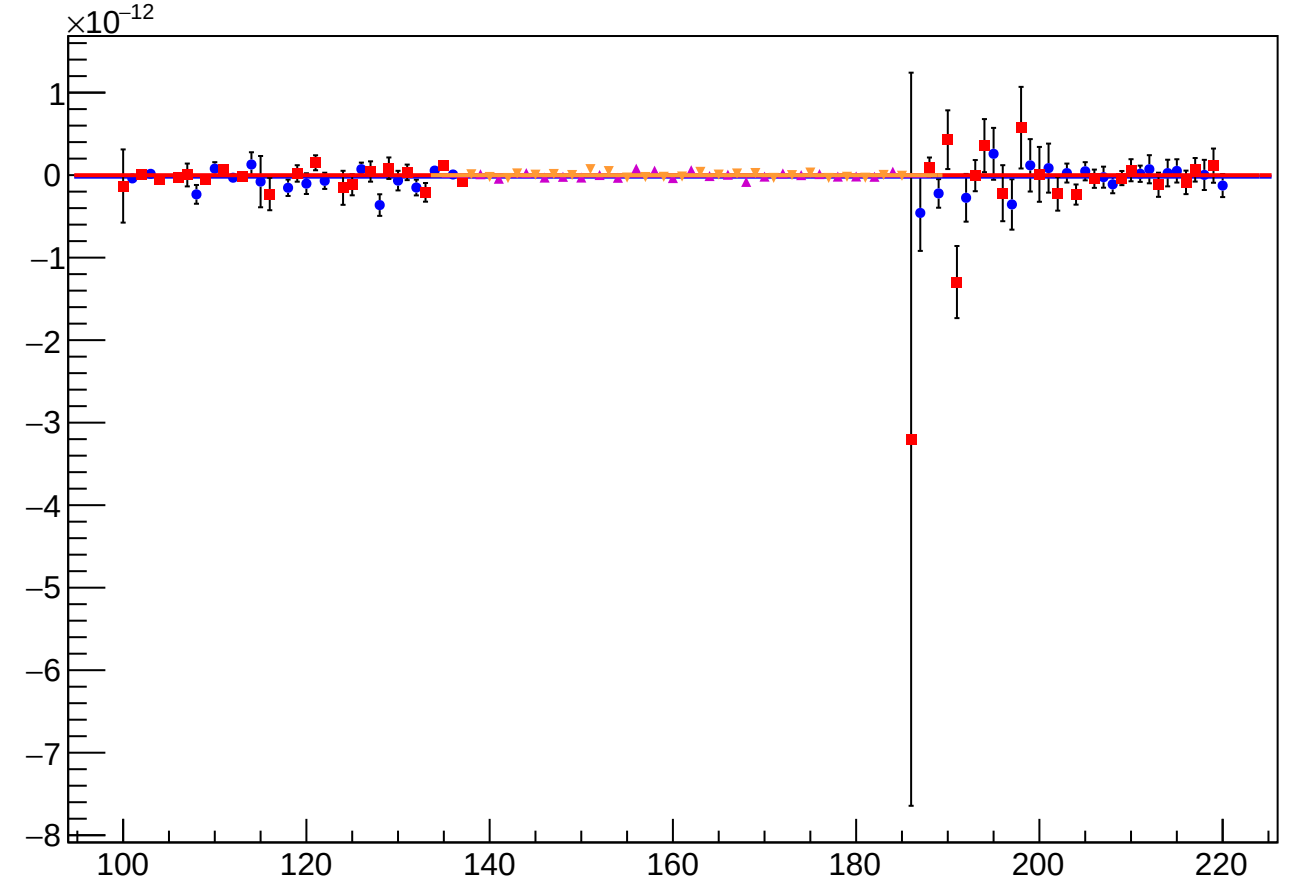
Right Out: 59.349+/-0.010 χ^2/NDF: 7332133.3/36

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 63.364+/-0.008 χ^2/NDF: 13121147.7/57

All: 63.845+/-0.006 χ^2/NDF: 23869698.0/117

- sign 64.335+/-0.008 χ^2/NDF: 10741123.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 30.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

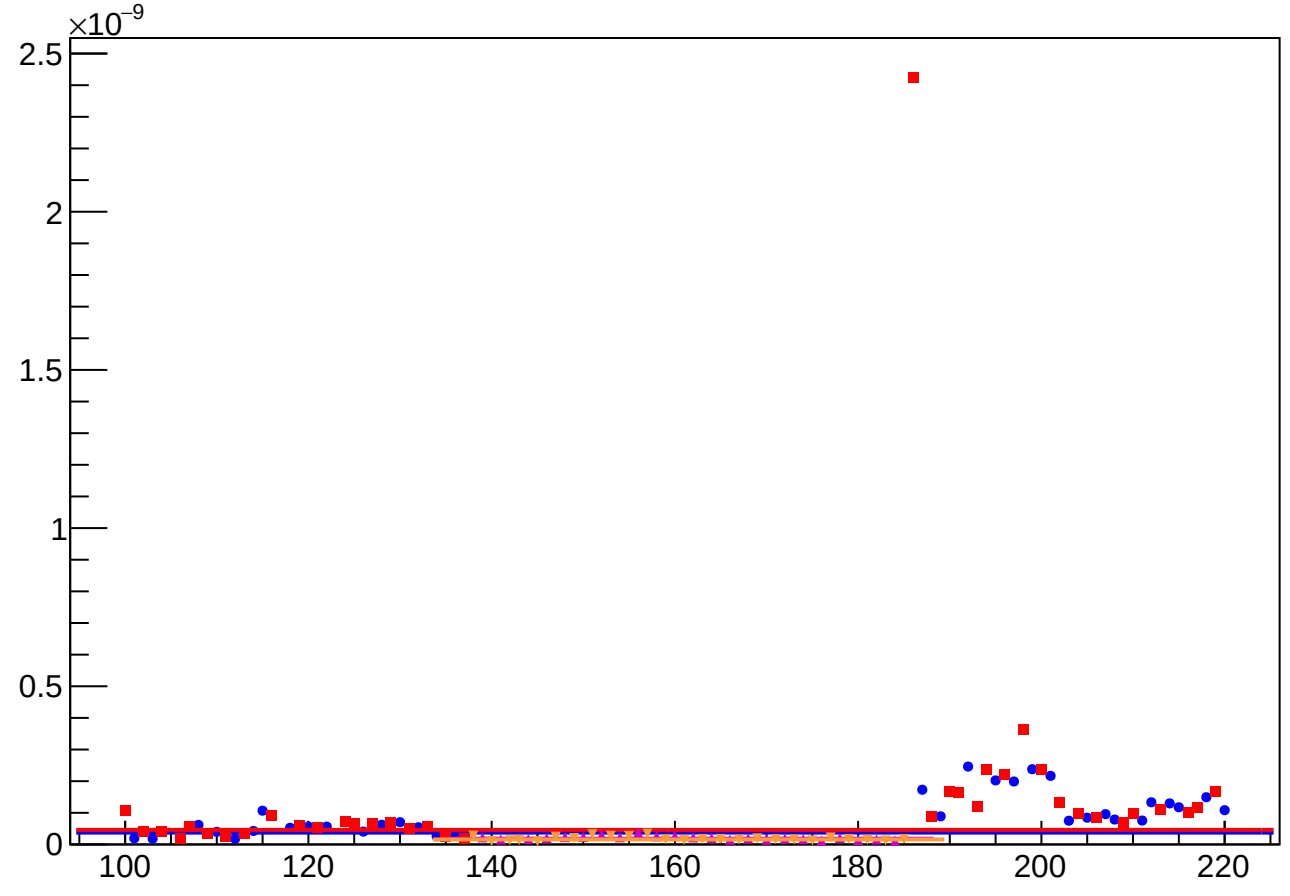
Right Out: -0.000+/-0.000 χ^2/NDF: 44.8/36

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 60.4/57

All: -0.000+/-0.000 χ^2/NDF: 143.8/117

- sign -0.000+/-0.000 χ^2/NDF: 83.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 11561085.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10103801.2/36

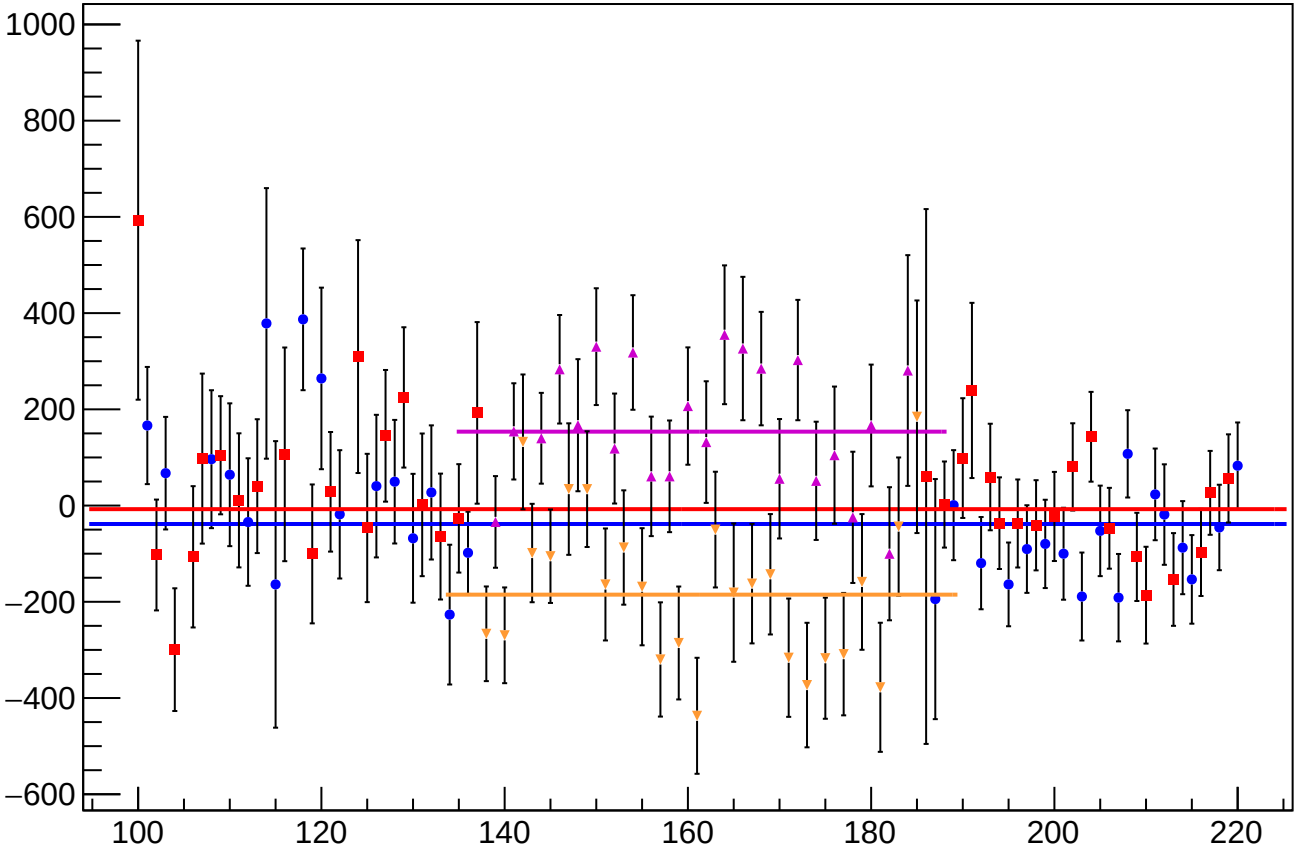
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 18512044.5/57

All: 0.000+/-0.000 χ^2/NDF: 36559575.1/117

- sign 0.000+/-0.000 χ^2/NDF: 17647764.7/59

reg_asym_sam_15_dd_mean vs Slug



Right In: -38.322+/-19.323 χ^2/NDF: 38.0/32

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: -7.447+/-19.117 χ^2/NDF: 33.3/36

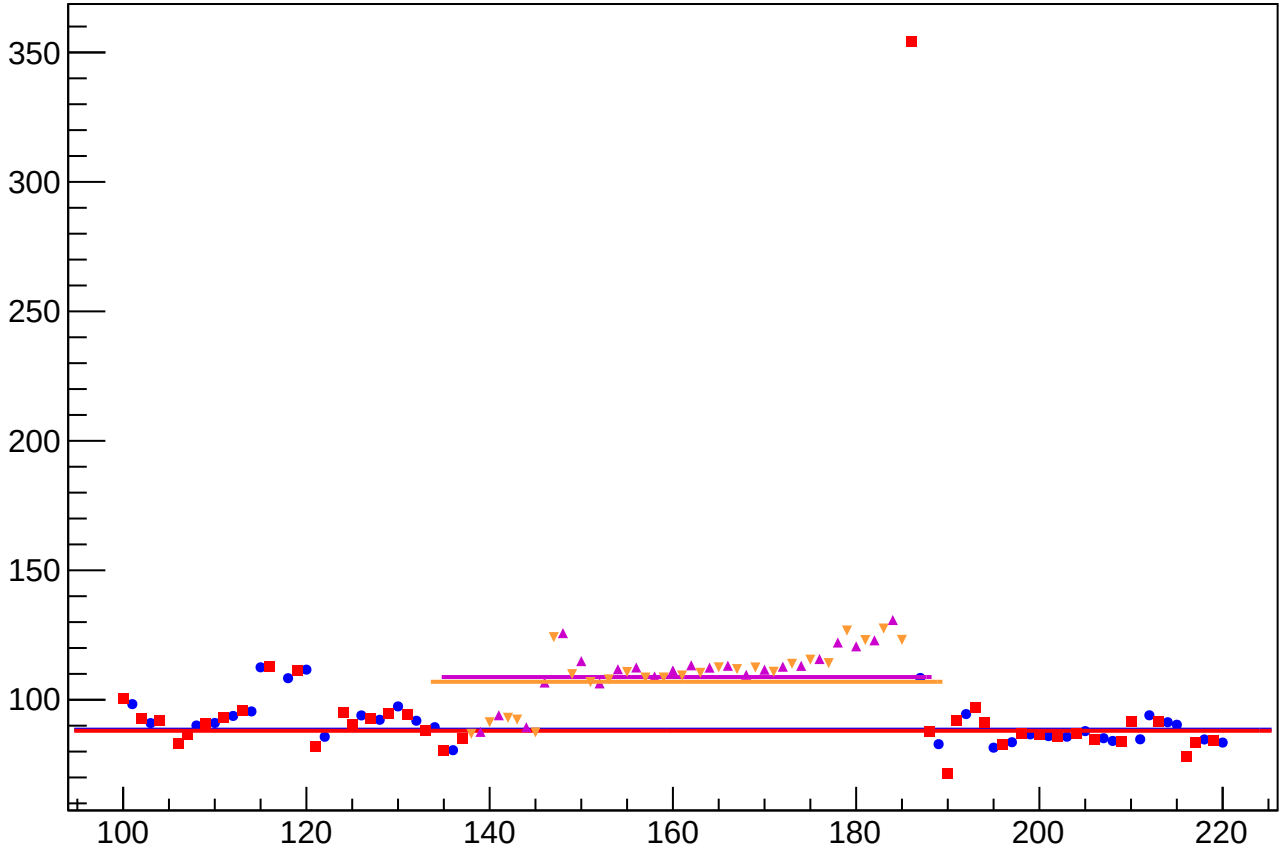
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -94.762+/-15.161 χ^2/NDF: 93.3/57

All: -22.866+/-10.771 χ^2/NDF: 221.0/117

- sign 50.399+/-15.304 χ^2/NDF: 82.3/59

reg_asym_sam_15_dd_rms vs Slug



Right In: 88.465+/-0.014 χ^2/NDF: 208235.0/32

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 88.032+/-0.014 χ^2/NDF: 690796.6/36

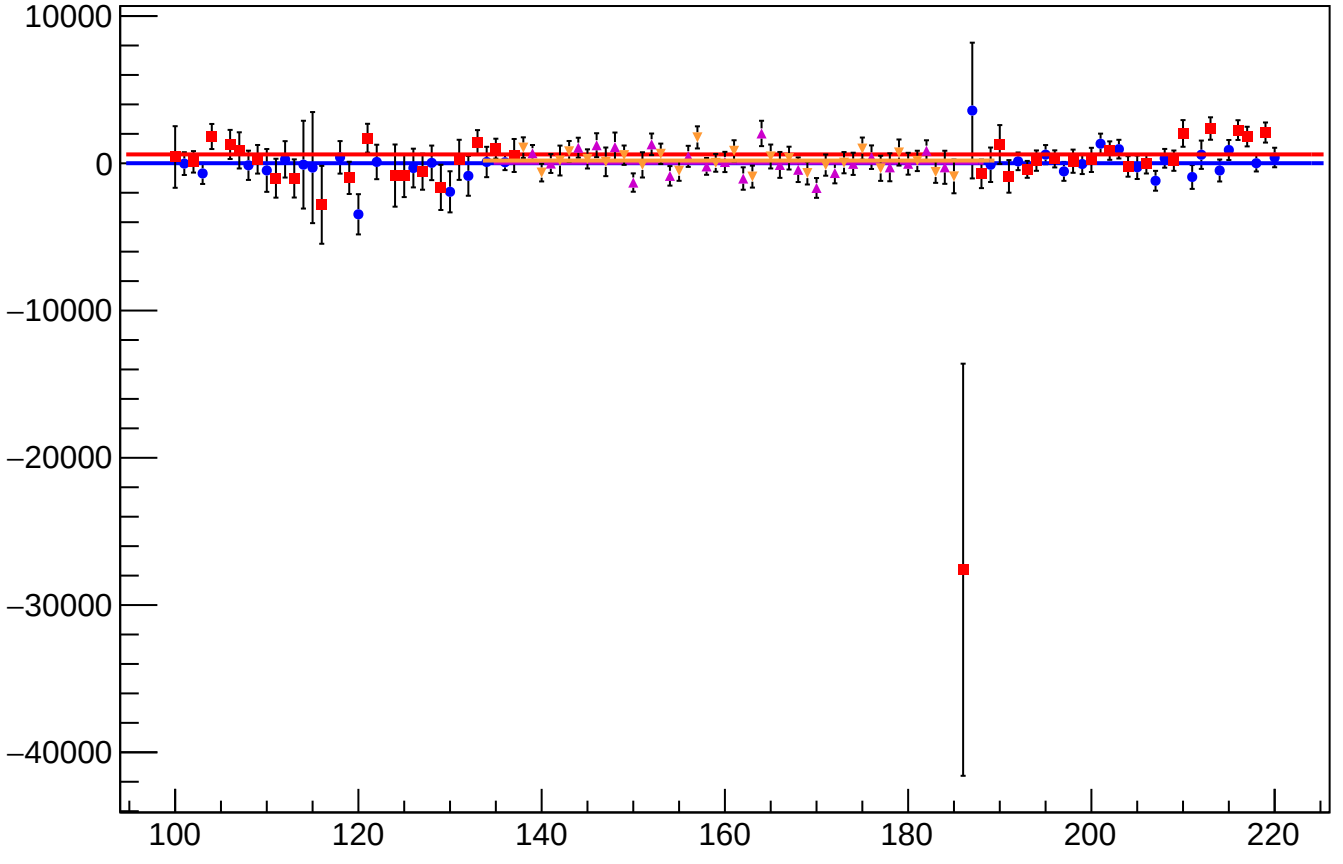
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 95.573+/-0.011 χ^2/NDF: 1376365.1/57

All: 95.528+/-0.008 χ^2/NDF: 3271706.3/117

- sign 95.483+/-0.011 χ^2/NDF: 1895306.7/59

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: 6.038+/-144.031 χ^2/NDF: 26.1/32

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 604.065+/-143.734 χ^2/NDF: 54.3/36

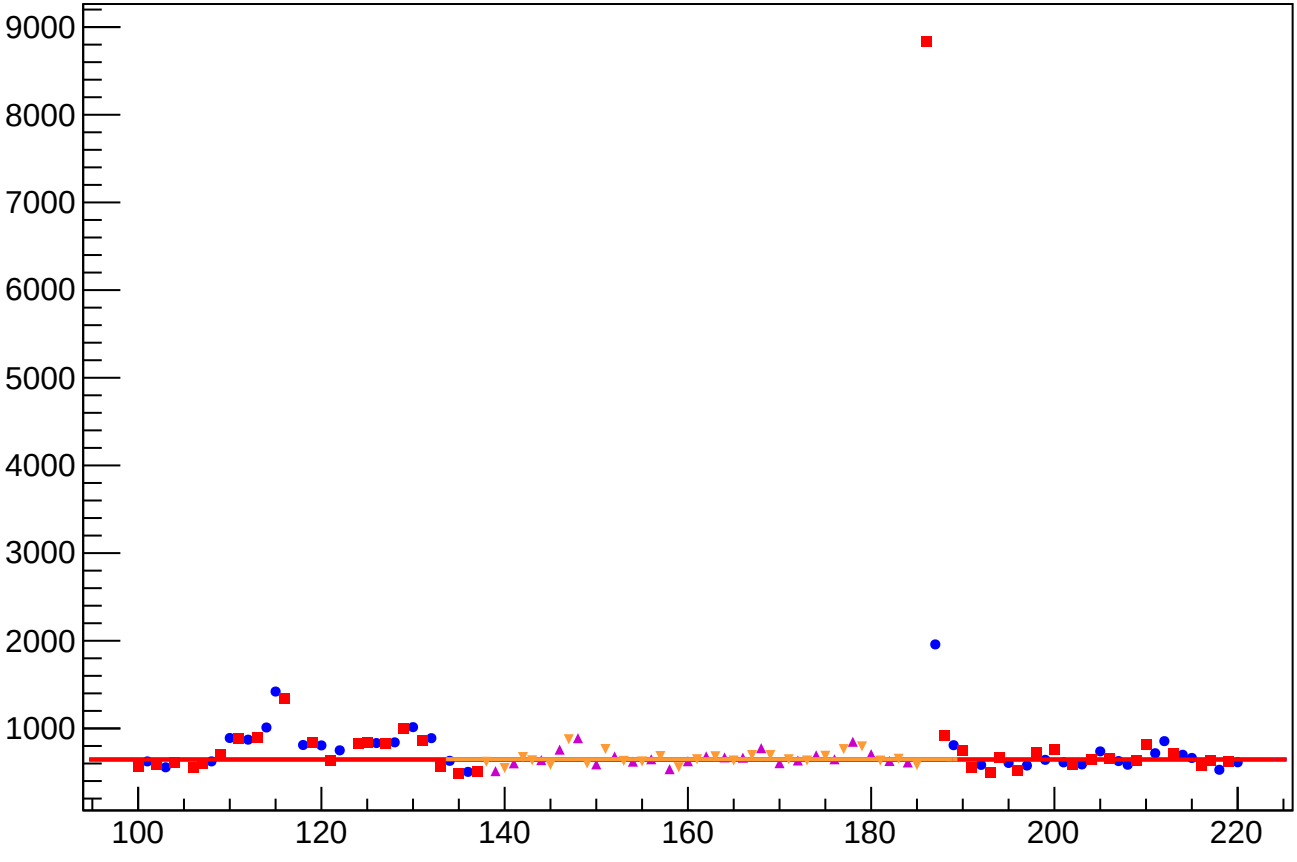
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 93.298+/-103.497 χ^2/NDF: 45.9/57

All: 215.230+/-73.520 χ^2/NDF: 143.9/117

- sign 339.429+/-104.454 χ^2/NDF: 95.2/59

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 645.913+/-0.102 χ^2/NDF: 1334120.7/32

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 645.766+/-0.102 χ^2/NDF: 2082612.6/36

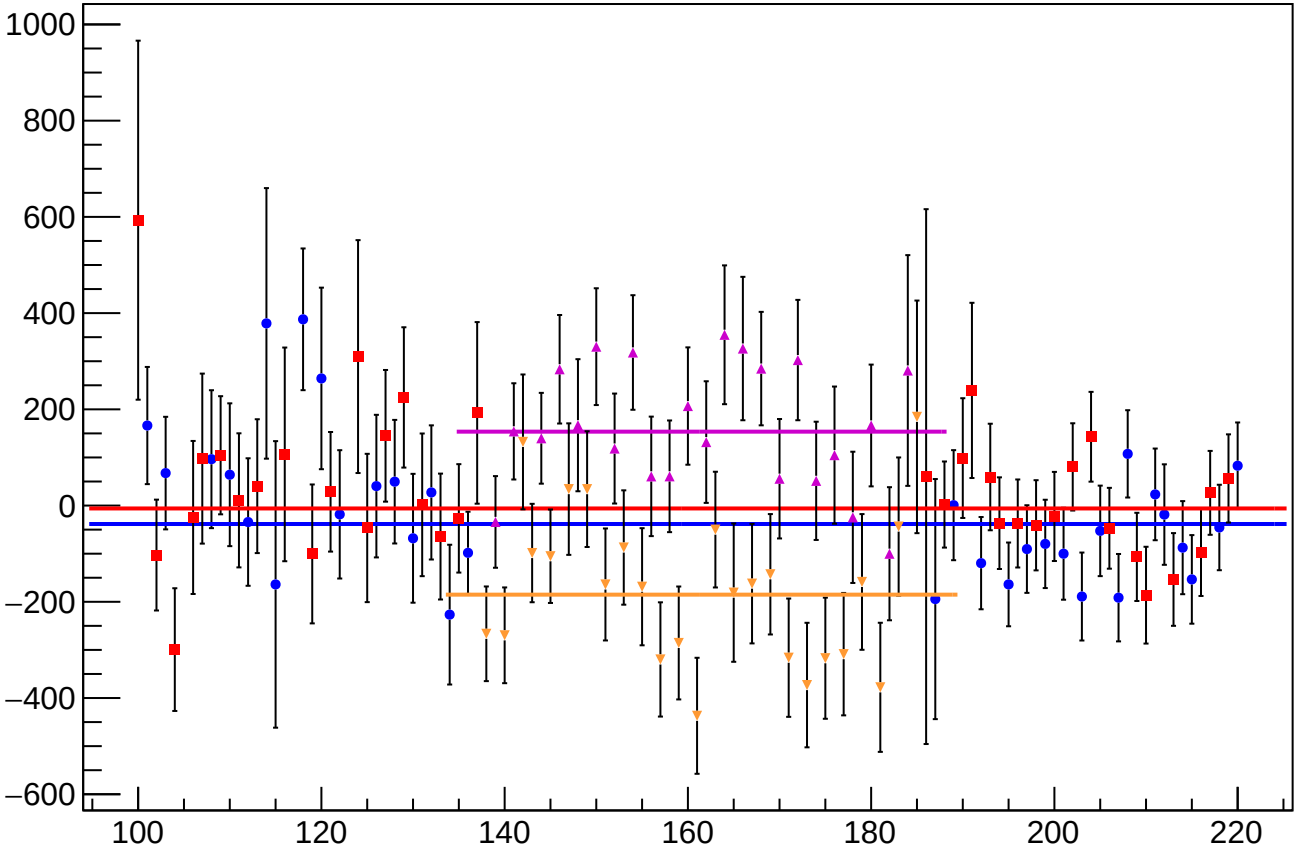
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 647.497+/-0.073 χ^2/NDF: 1752985.7/57

All: 646.244+/-0.052 χ^2/NDF: 4395441.7/117

- sign 644.967+/-0.074 χ^2/NDF: 2641863.6/59

cor_asym_sam_15_dd_mean vs Slug



Right In: -38.322+/-19.323 χ^2/NDF: 38.0/32

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -6.012+/-19.141 χ^2/NDF: 32.8/36

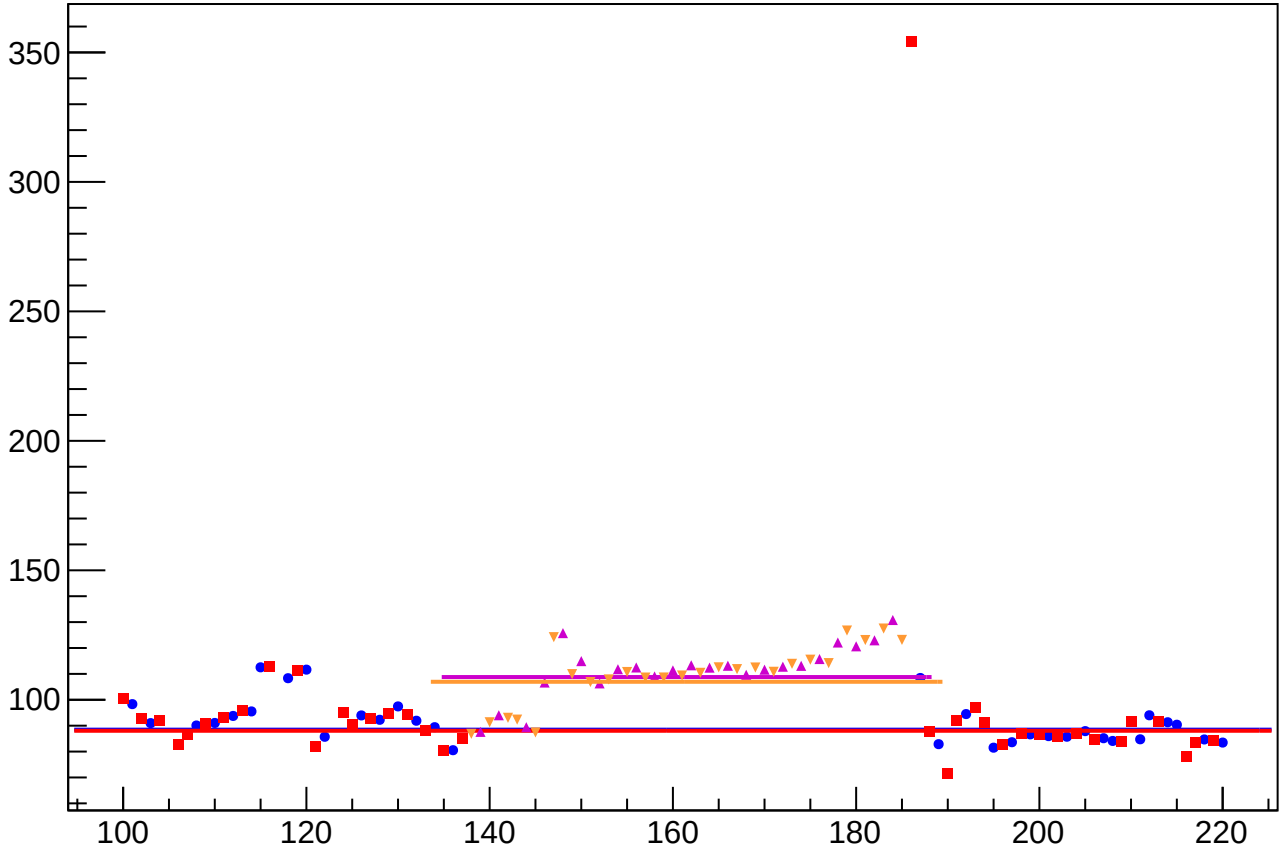
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -94.763+/-15.161 χ^2/NDF: 93.3/57

All: -22.422+/-10.775 χ^2/NDF: 220.7/117

- sign 51.412+/-15.316 χ^2/NDF: 81.4/59

cor_asym_sam_15_dd_rms vs Slug



Right In: 88.465+/-0.014 χ^2/NDF: 208235.1/32

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 88.036+/-0.014 χ^2/NDF: 690919.2/36

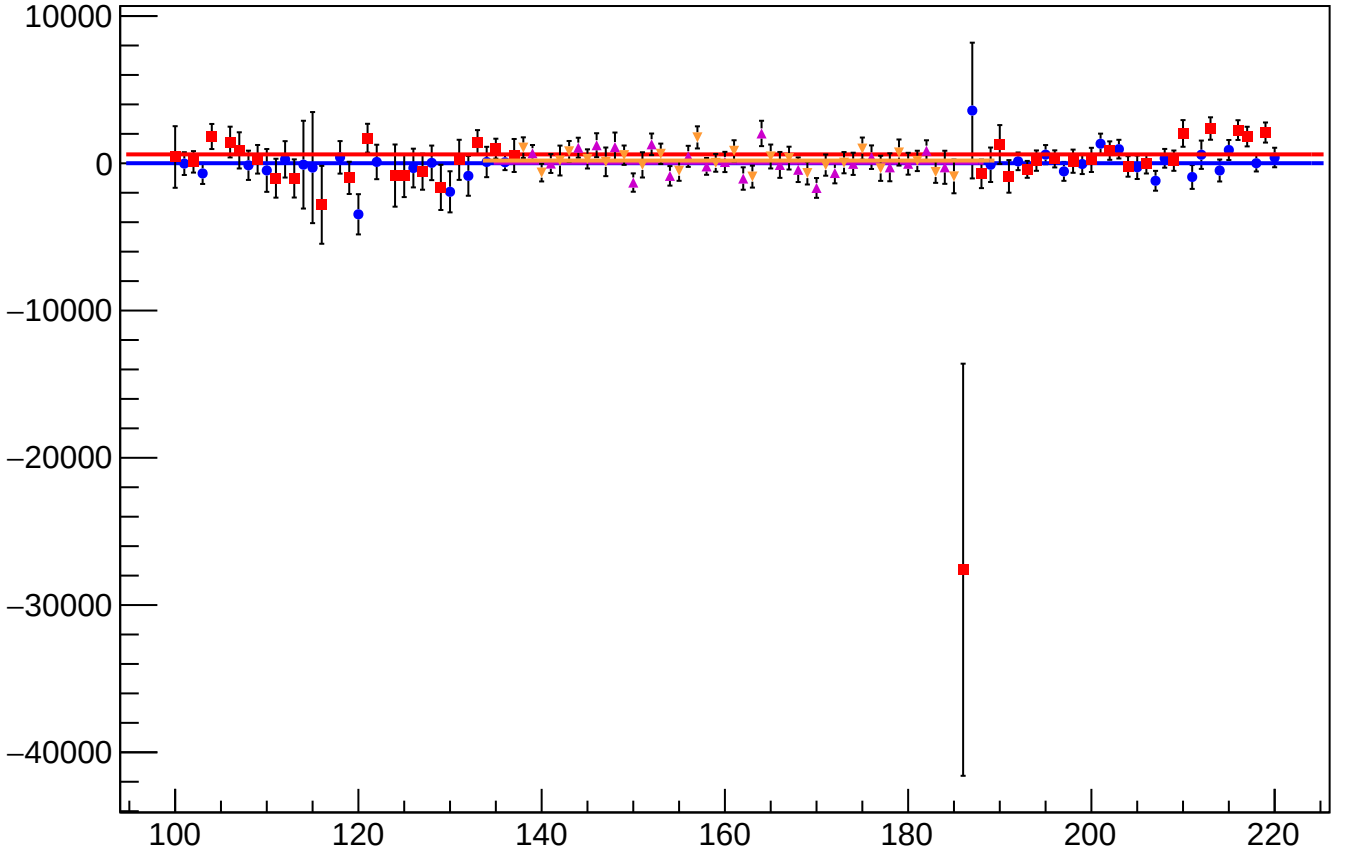
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 95.573+/-0.011 χ^2/NDF: 1376365.2/57

All: 95.536+/-0.008 χ^2/NDF: 3270707.2/117

- sign 95.498+/-0.011 χ^2/NDF: 1894318.0/59

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: 6.035+/-144.031 χ^2/NDF: 26.1/32

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 605.642+/-143.893 χ^2/NDF: 54.5/36

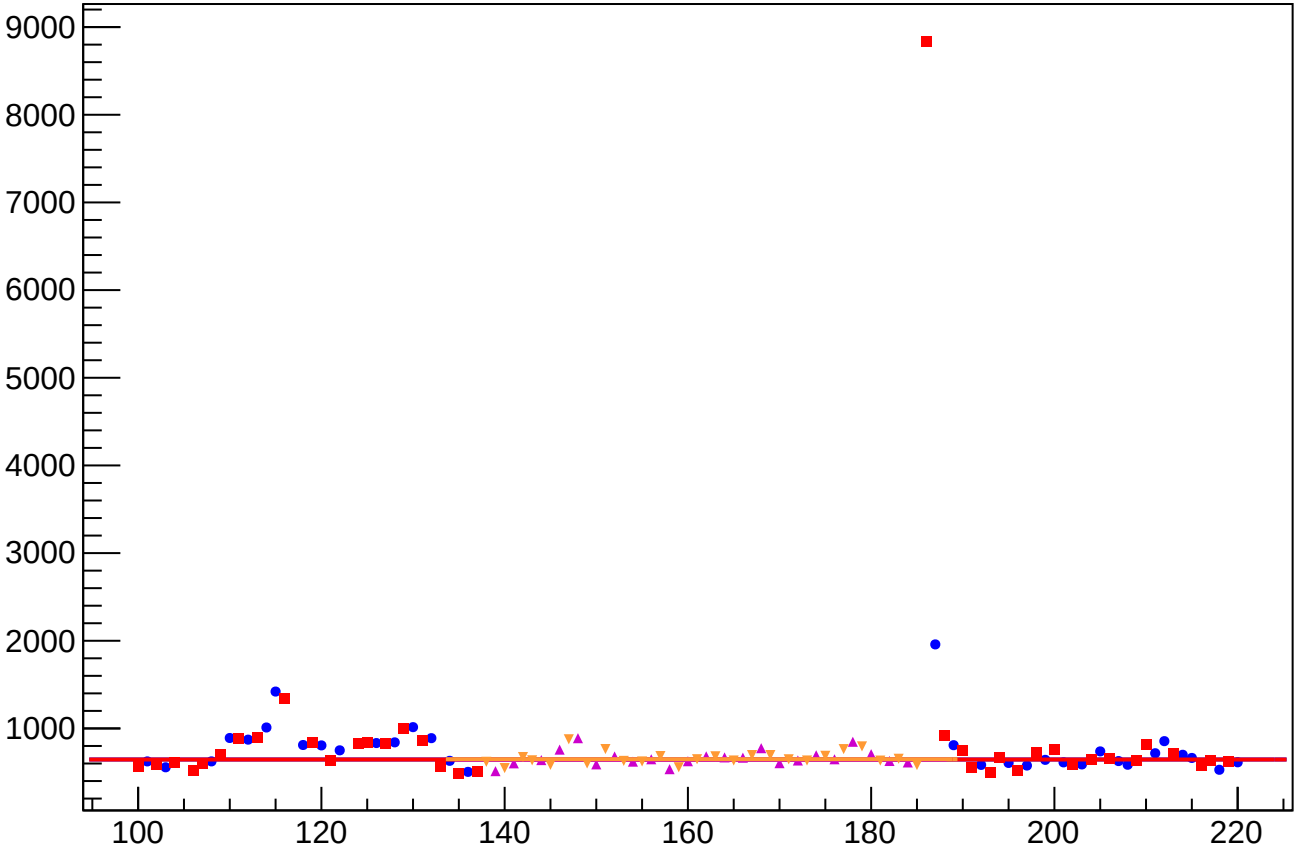
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 93.294+/-103.497 χ^2/NDF: 45.9/57

All: 215.416+/-73.541 χ^2/NDF: 144.1/117

- sign 339.953+/-104.515 χ^2/NDF: 95.4/59

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 645.913+/-0.102 χ^2/NDF: 1334119.9/32

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 645.447+/-0.102 χ^2/NDF: 2091859.0/36

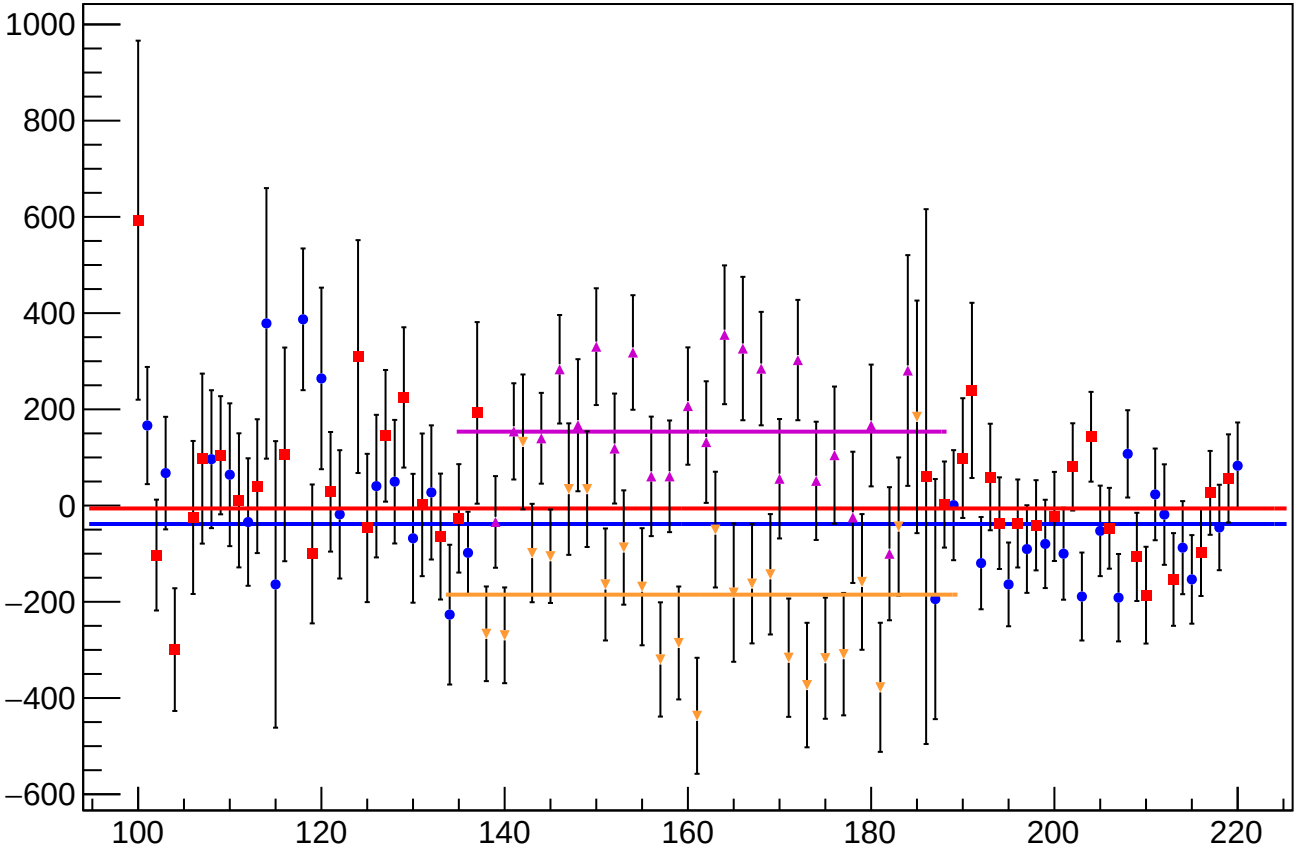
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 647.498+/-0.073 χ^2/NDF: 1752985.7/57

All: 646.161+/-0.052 χ^2/NDF: 4404725.9/117

- sign 644.798+/-0.074 χ^2/NDF: 2651066.3/59

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -38.322+/-19.323 χ^2/NDF: 38.0/32

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: -6.012+/-19.141 χ^2/NDF: 32.8/36

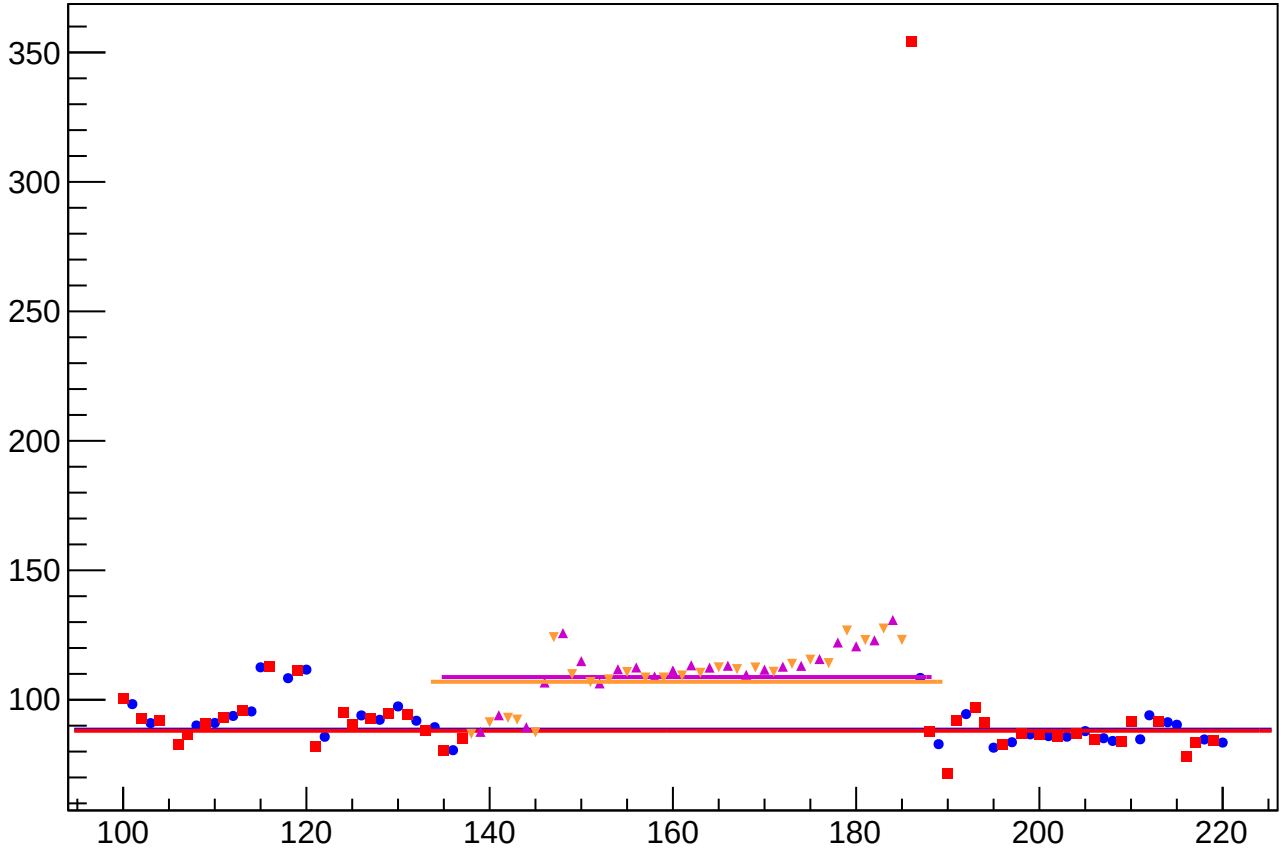
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -94.763+/-15.161 χ^2/NDF: 93.3/57

All: -22.422+/-10.775 χ^2/NDF: 220.7/117

- sign 51.412+/-15.316 χ^2/NDF: 81.4/59

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 88.465+/-0.014 χ^2/NDF: 208235.1/32

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

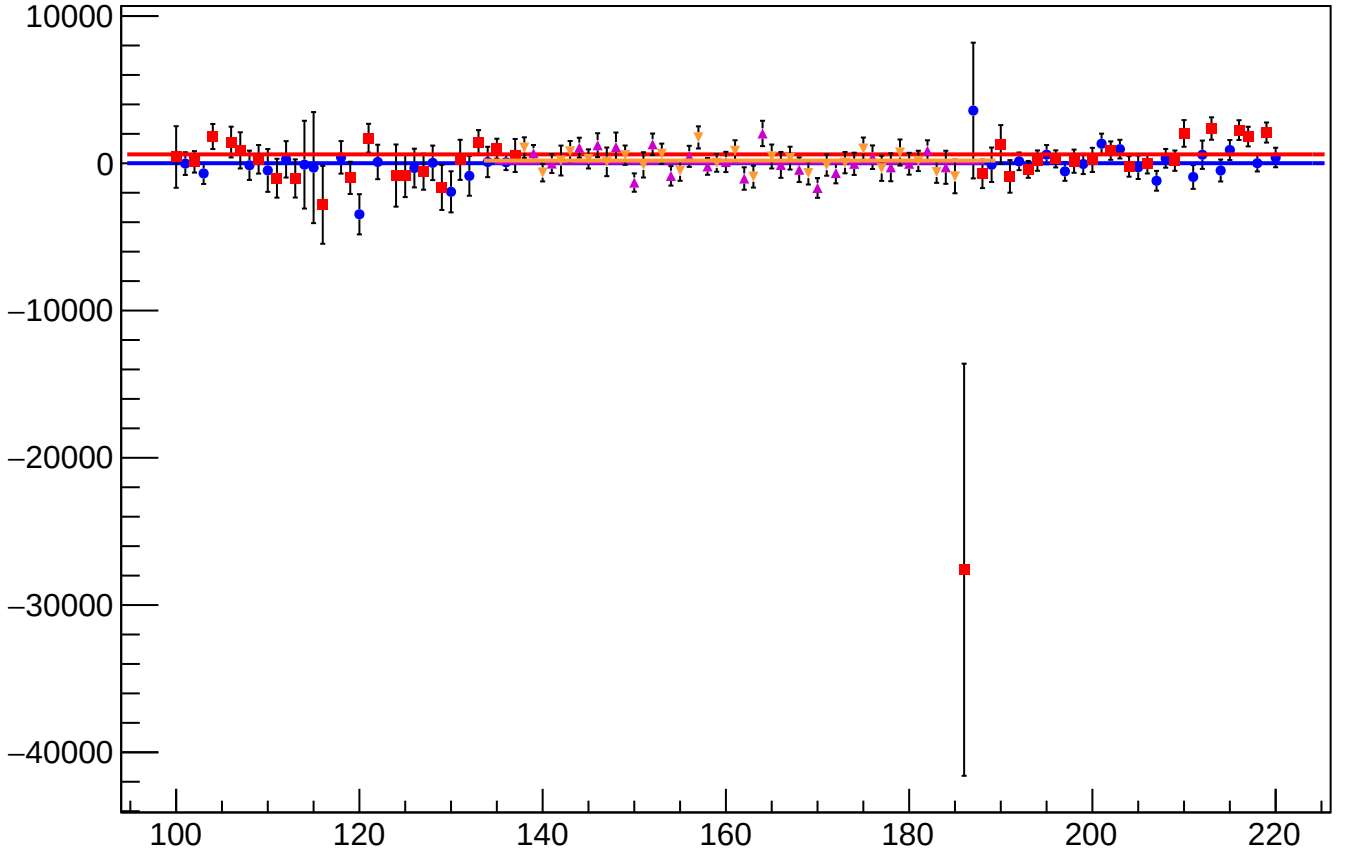
Right Out: 88.036+/-0.014 χ^2/NDF: 690919.2/36

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 95.573+/-0.011 χ^2/NDF: 1376365.2/57

All: 95.536+/-0.008 χ^2/NDF: 3270707.2/117

- sign 95.498+/-0.011 χ^2/NDF: 1894318.0/59



Right In: 6.035+/-144.031 χ^2/NDF: 26.1/32

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 605.642+/-143.893 χ^2/NDF: 54.5/36

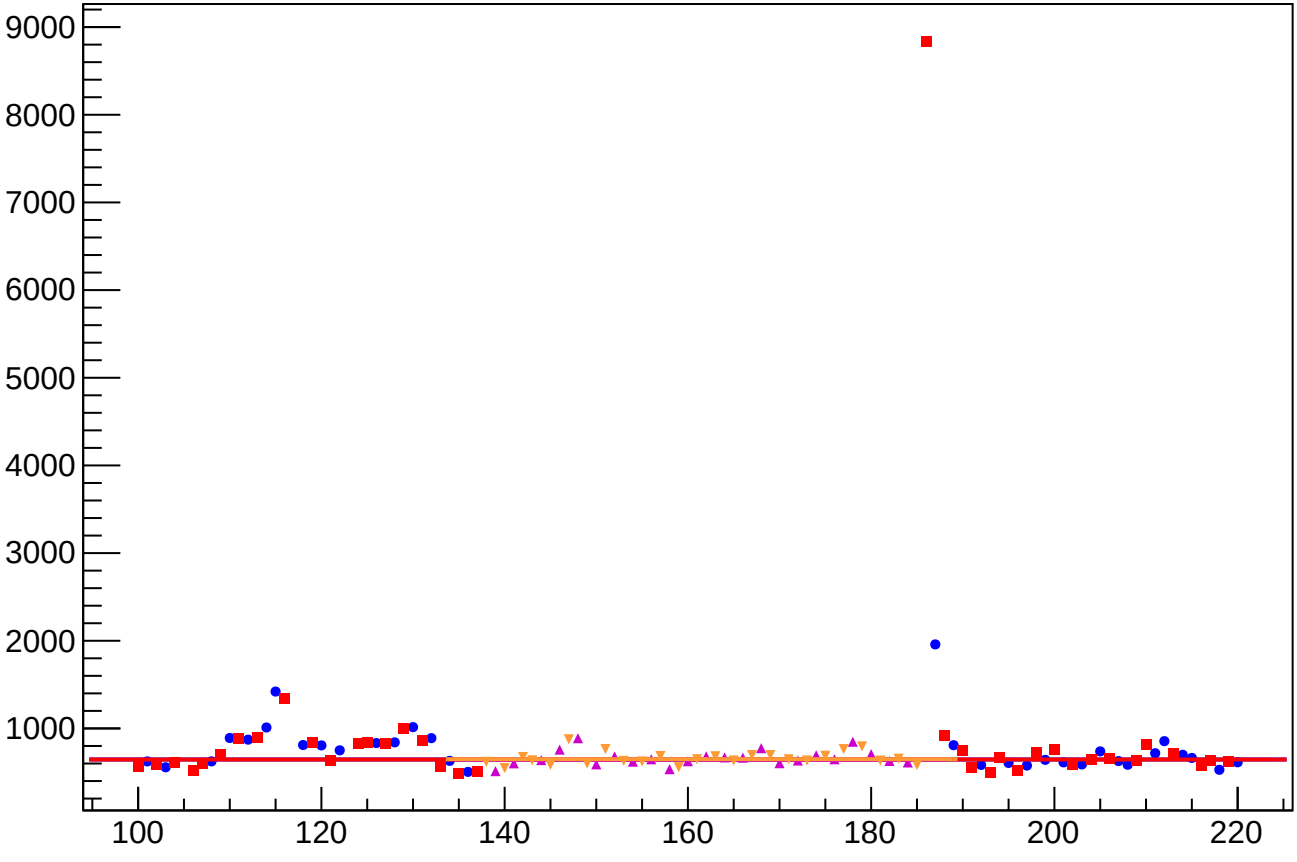
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 93.294+/-103.497 χ^2/NDF: 45.9/57

All: 215.416+/-73.541 χ^2/NDF: 144.1/117

- sign 339.953+/-104.515 χ^2/NDF: 95.4/59

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 645.913+/-0.102 χ^2/NDF: 1334119.9/32

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

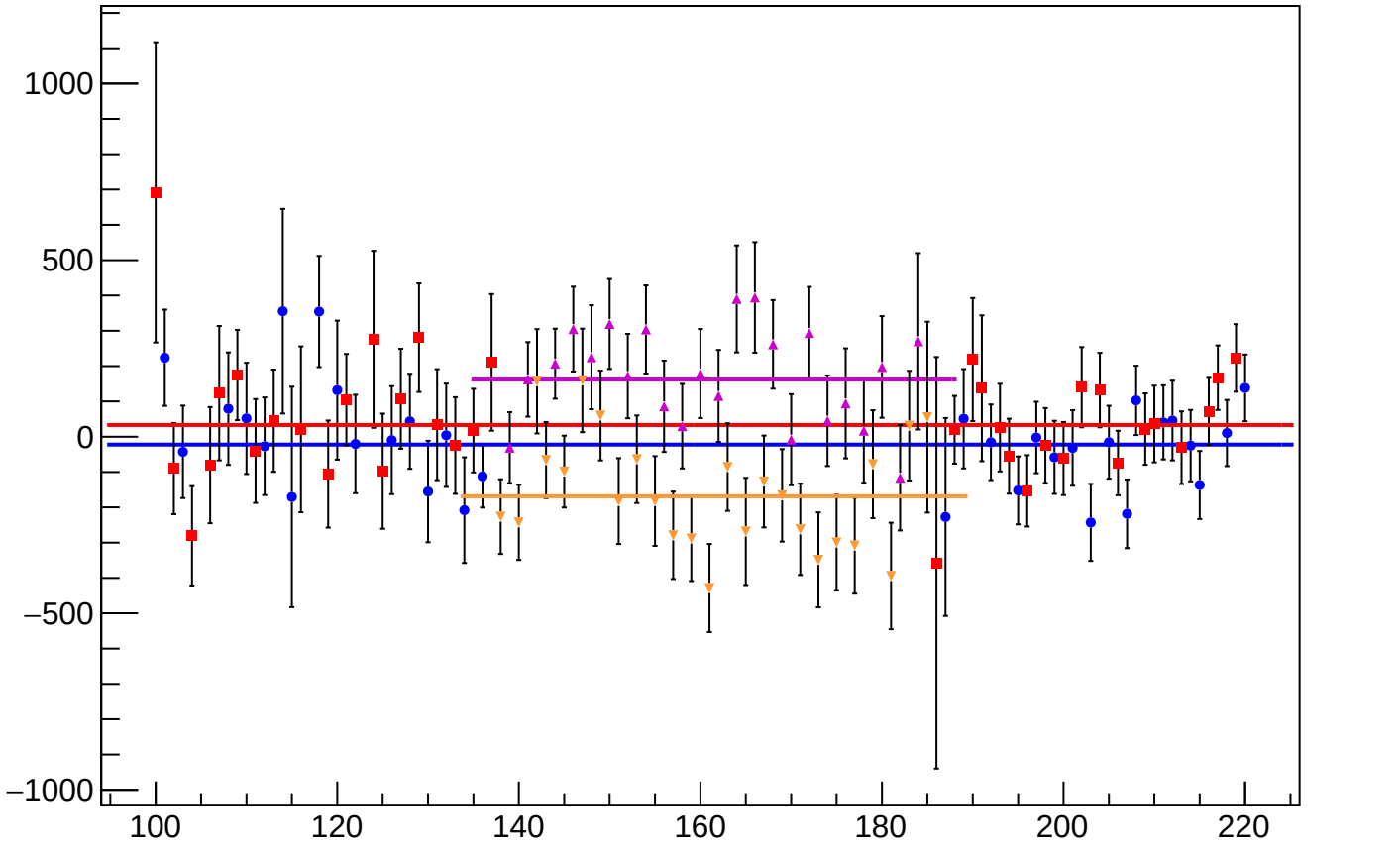
Right Out: 645.447+/-0.102 χ^2/NDF: 2091859.0/36

Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 647.498+/-0.073 χ^2/NDF: 1752985.7/57

All: 646.161+/-0.052 χ^2/NDF: 4404725.9/117

- sign 644.798+/-0.074 χ^2/NDF: 2651066.3/59



Right In: -22.253+/-20.965 χ^2/NDF: 33.6/32

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 33.175+/-20.846 χ^2/NDF: 34.0/36

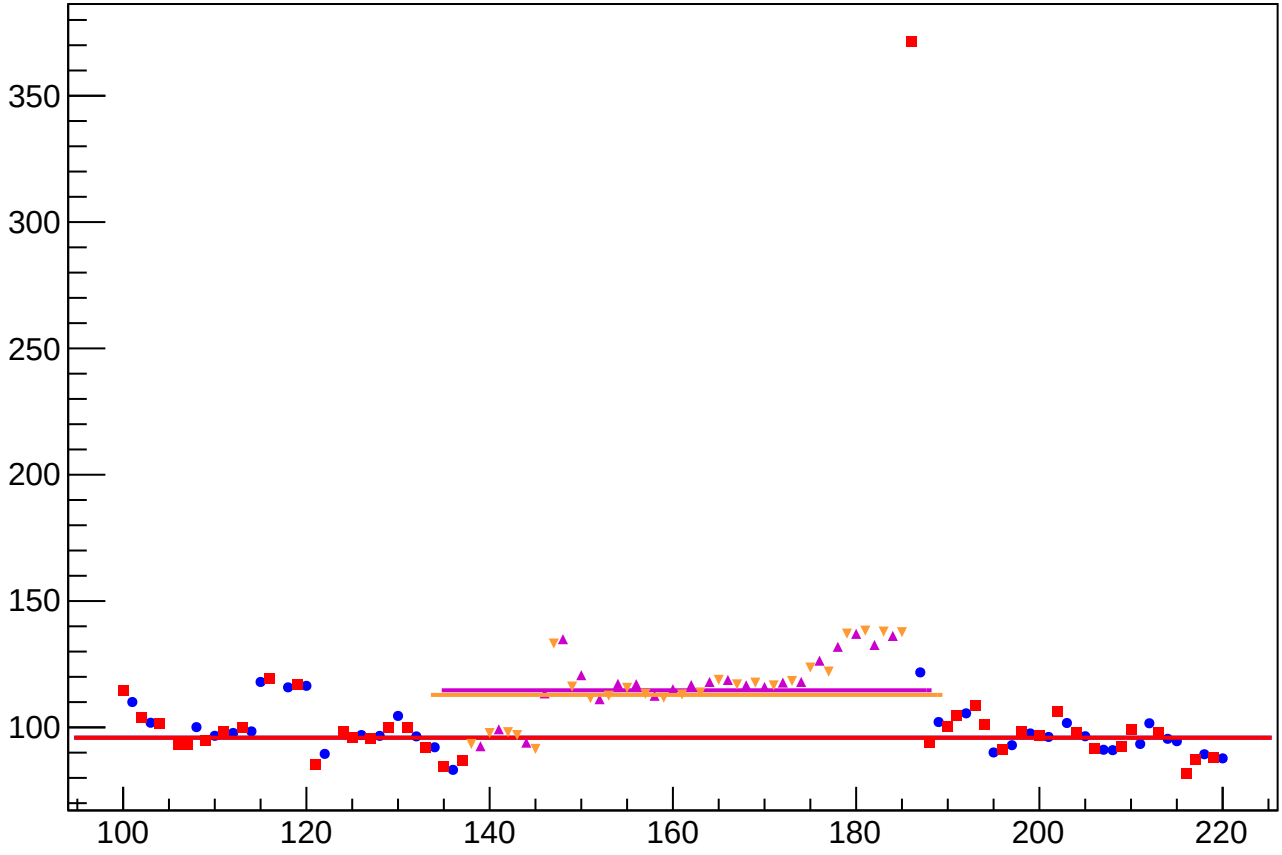
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -80.418+/-16.275 χ^2/NDF: 85.4/57

All: -0.553+/-11.583 χ^2/NDF: 206.1/117

- sign 81.415+/-16.488 χ^2/NDF: 71.9/59

dit_asym_sam_15_dd_rms vs Slug



Right In: 95.924+/-0.015 χ^2/NDF: 239497.5/32

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 95.909+/-0.015 χ^2/NDF: 703818.3/36

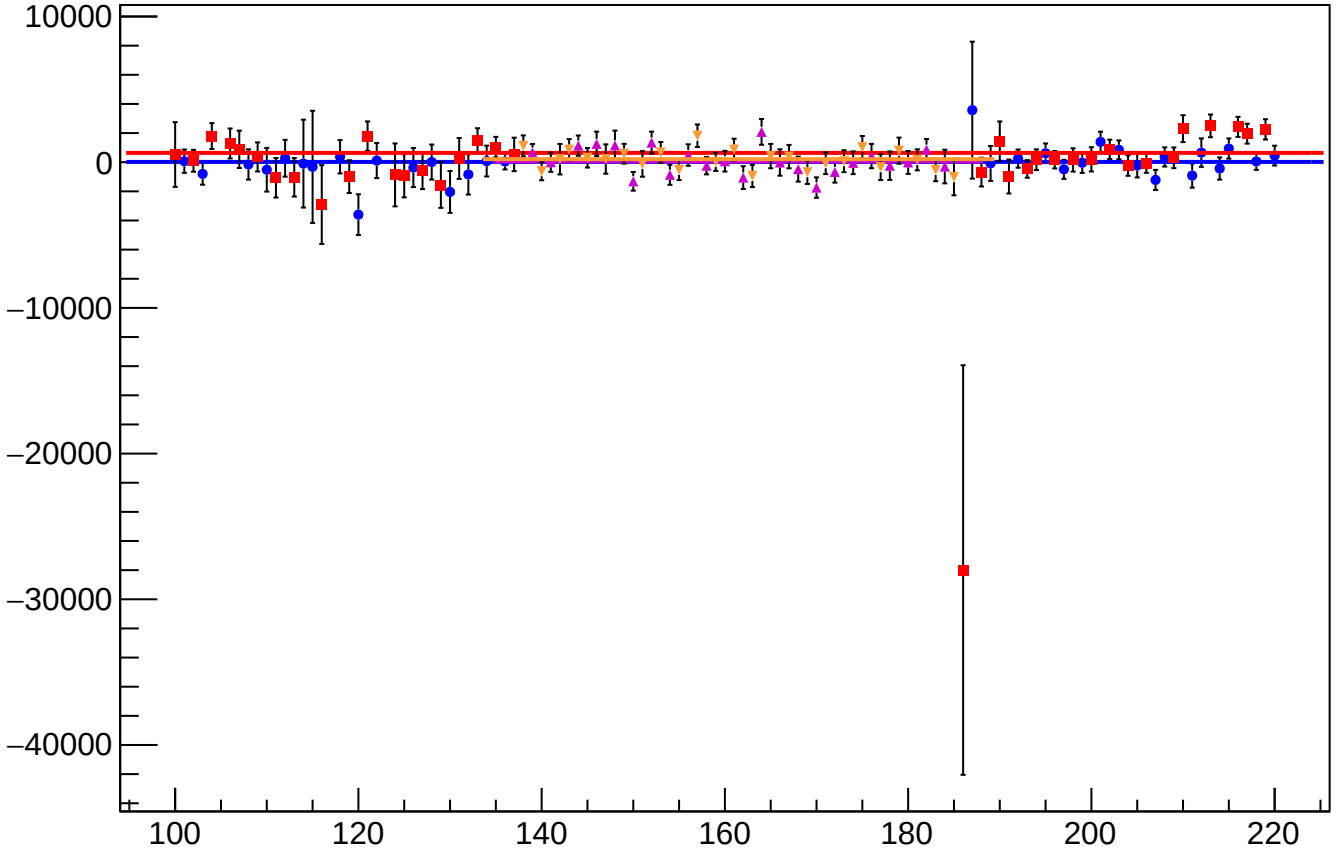
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 102.649+/-0.012 χ^2/NDF: 1269704.7/57

All: 102.791+/-0.008 χ^2/NDF: 2990663.2/117

- sign 102.936+/-0.012 χ^2/NDF: 1720653.0/59

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: 20.706+/-148.075 χ^2/NDF: 26.1/32

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 640.043+/-147.985 χ^2/NDF: 57.9/36

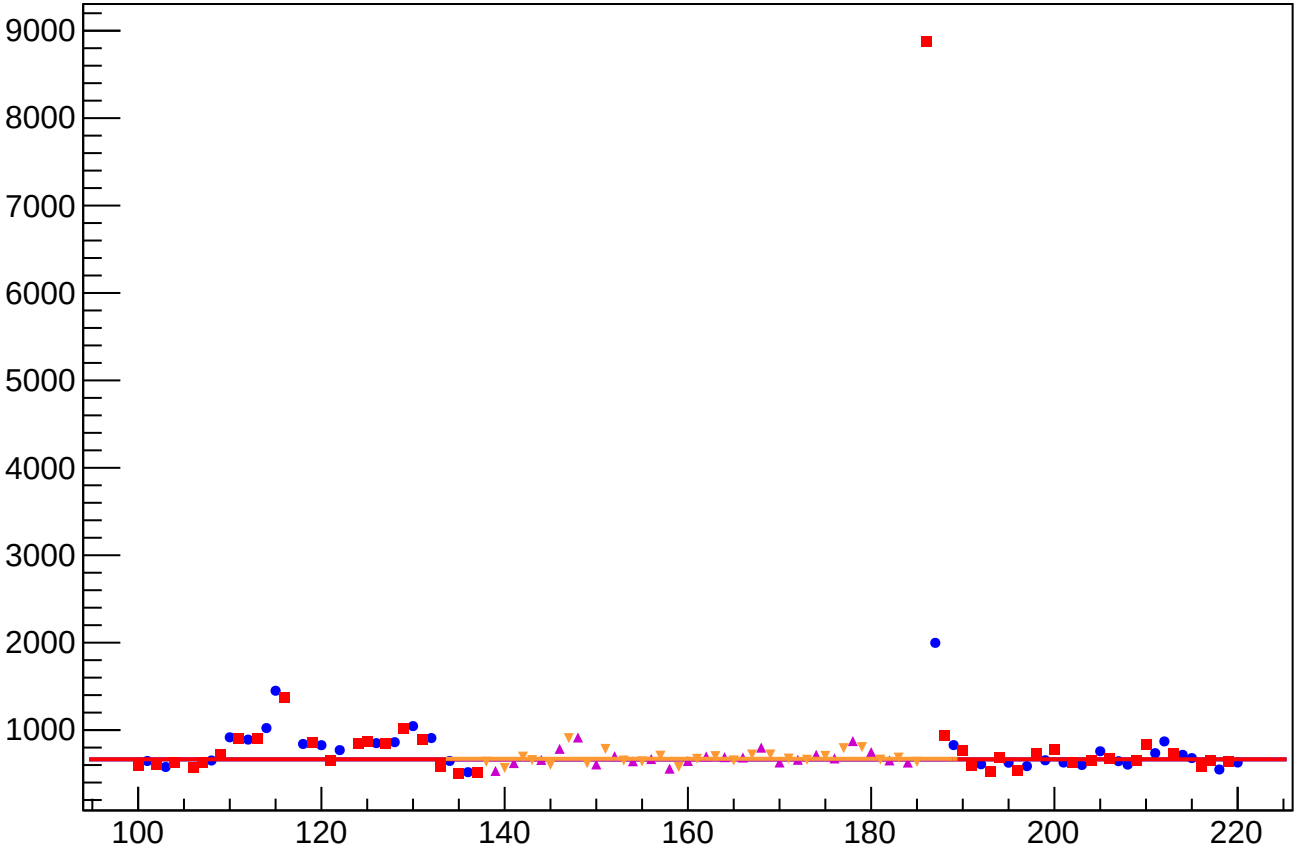
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 111.388+/-106.713 χ^2/NDF: 45.7/57

All: 236.105+/-75.854 χ^2/NDF: 147.1/117

- sign 363.478+/-107.844 χ^2/NDF: 98.7/59

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 664.577+/-0.105 χ^2/NDF: 1303763.4/32

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 665.783+/-0.105 χ^2/NDF: 2001479.3/36

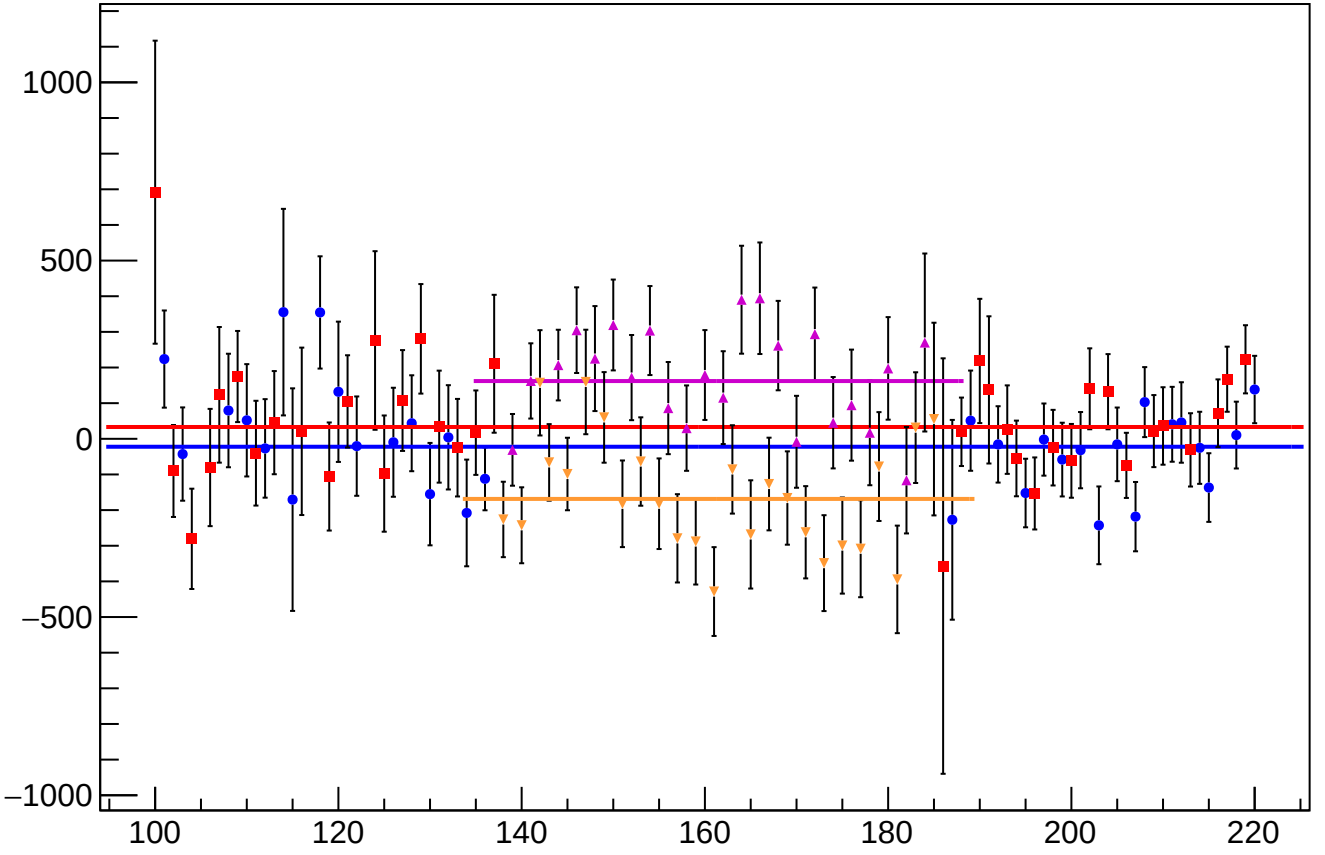
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 668.072+/-0.075 χ^2/NDF: 1705241.7/57

All: 667.301+/-0.054 χ^2/NDF: 4253939.4/117

- sign 666.514+/-0.076 χ^2/NDF: 2548486.9/59

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -22.253+/-20.965 χ^2/NDF: 33.6/32

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 33.174+/-20.846 χ^2/NDF: 34.0/36

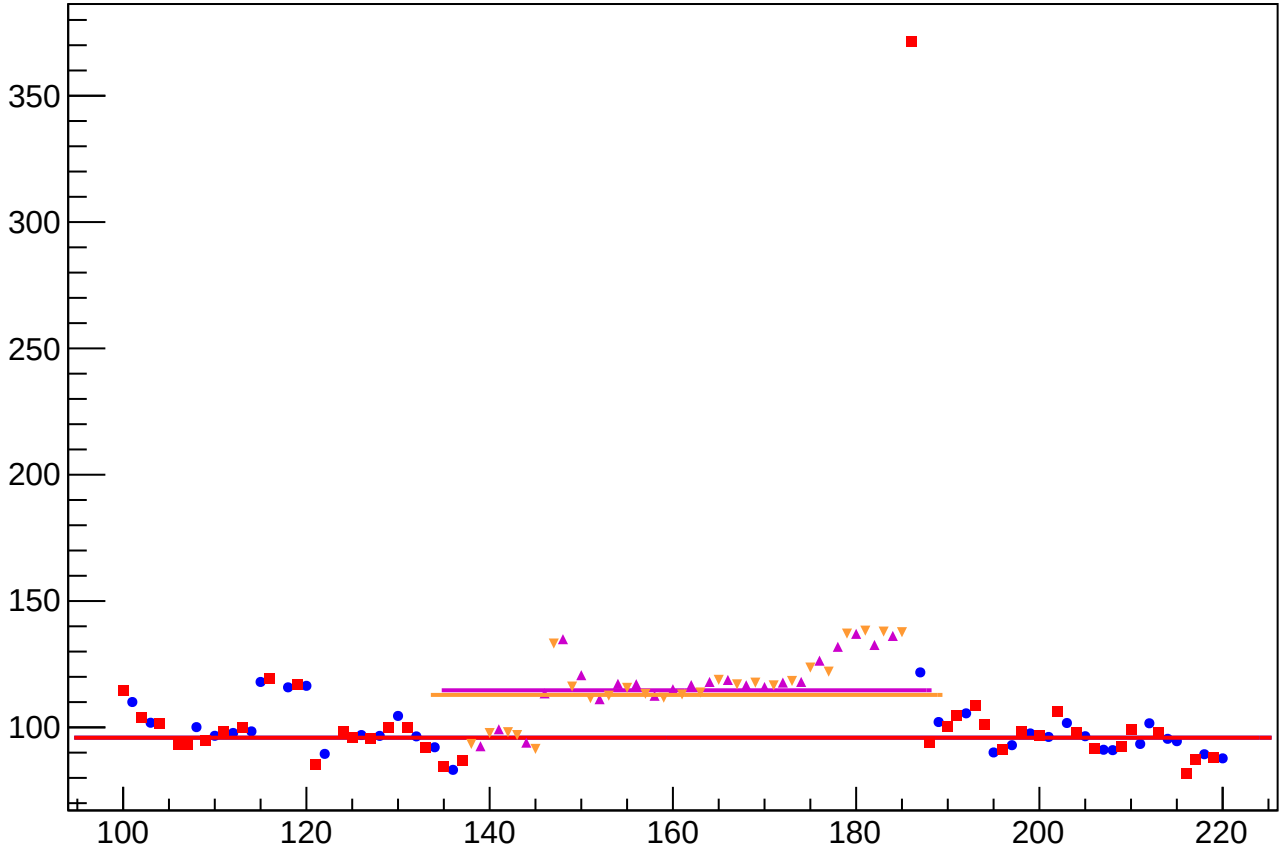
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -80.417+/-16.275 χ^2/NDF: 85.4/57

All: -0.553+/-11.583 χ^2/NDF: 206.1/117

- sign 81.415+/-16.488 χ^2/NDF: 71.9/59

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 95.924+/-0.015 χ^2/NDF: 239502.2/32

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

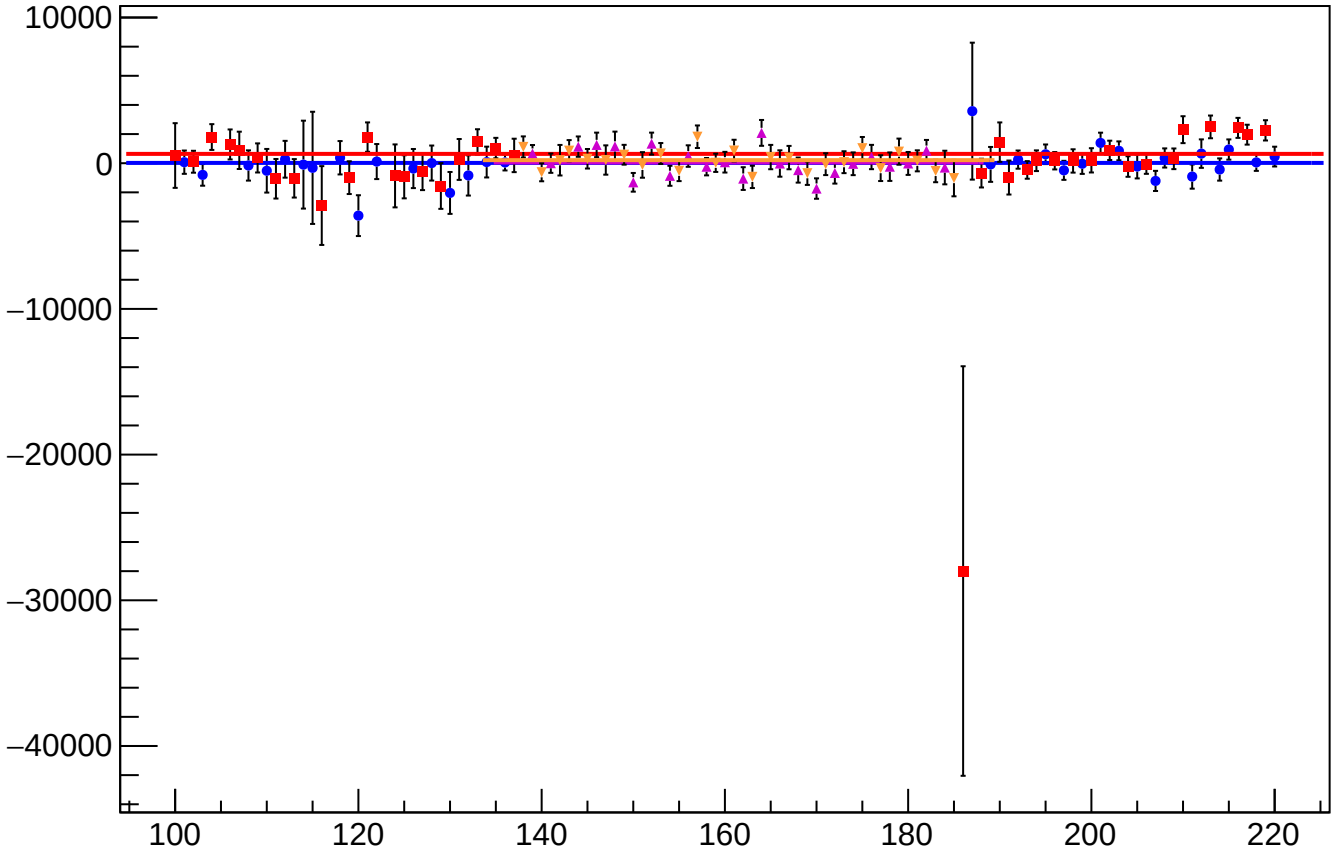
Right Out: 95.909+/-0.015 χ^2/NDF: 703822.7/36

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 102.649+/-0.012 χ^2/NDF: 1269714.8/57

All: 102.791+/-0.008 χ^2/NDF: 2990692.0/117

- sign 102.936+/-0.012 χ^2/NDF: 1720671.8/59



Right In: 20.706+/-148.075 χ^2/NDF: 26.1/32

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 640.044+/-147.985 χ^2/NDF: 57.9/36

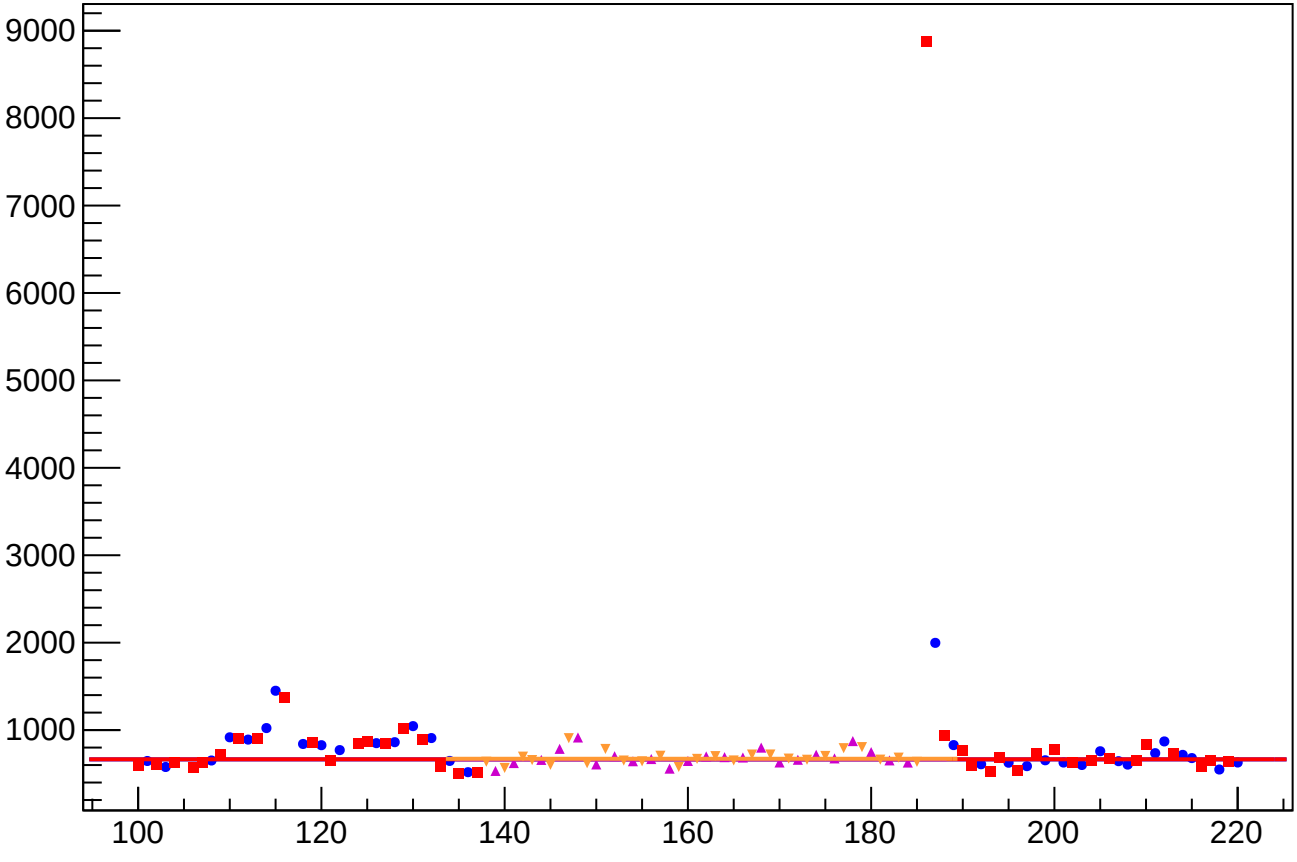
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 111.388+/-106.713 χ^2/NDF: 45.7/57

All: 236.106+/-75.854 χ^2/NDF: 147.1/117

- sign 363.479+/-107.844 χ^2/NDF: 98.7/59

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 664.576+/-0.105 χ^2/NDF: 1303763.6/32

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 665.783+/-0.105 χ^2/NDF: 2001485.6/36

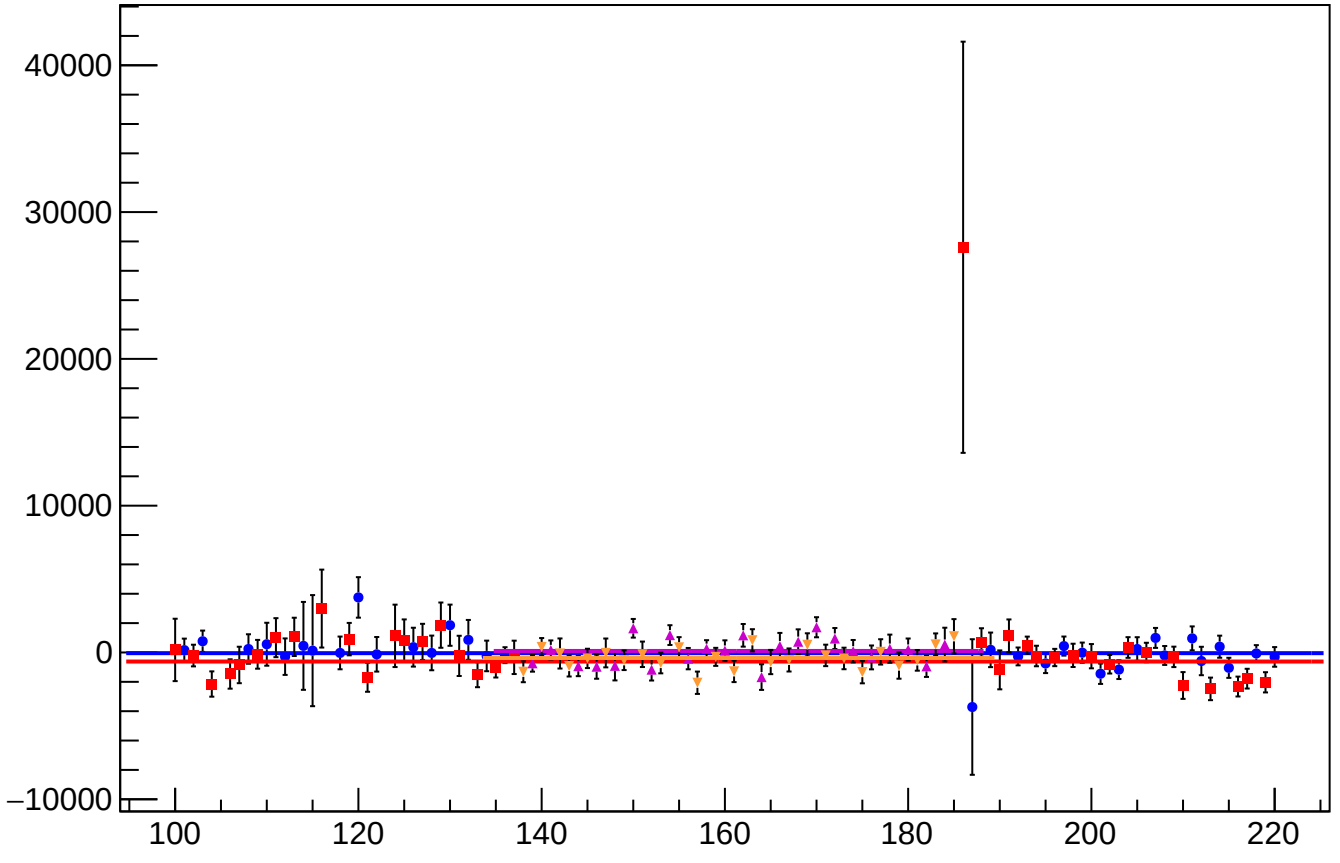
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 668.072+/-0.075 χ^2/NDF: 1705243.1/57

All: 667.301+/-0.054 χ^2/NDF: 4253949.5/117

- sign 666.514+/-0.076 χ^2/NDF: 2548495.5/59

asym_sam_15_dd_mean vs Slug



Right In: -47.134+/-145.493 χ^2/NDF: 28.3/32

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -617.047+/-145.216 χ^2/NDF: 58.4/36

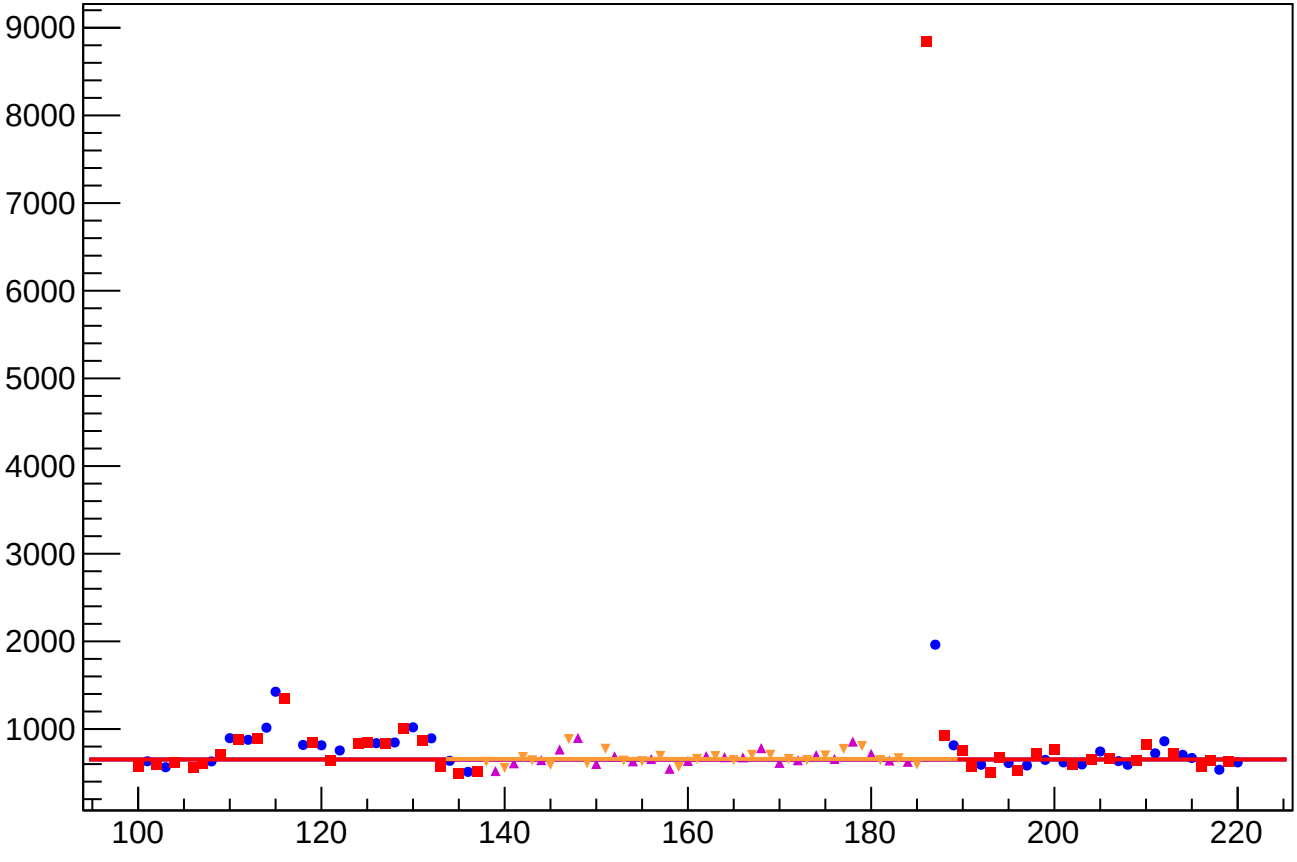
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -206.102+/-104.756 χ^2/NDF: 52.2/57

All: -242.091+/-74.426 χ^2/NDF: 158.0/117

- sign -278.773+/-105.760 χ^2/NDF: 105.5/59

asym_sam_15_dd_rms vs Slug



Right In: 652.856+/-0.103 χ^2/NDF: 1303375.9/32

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

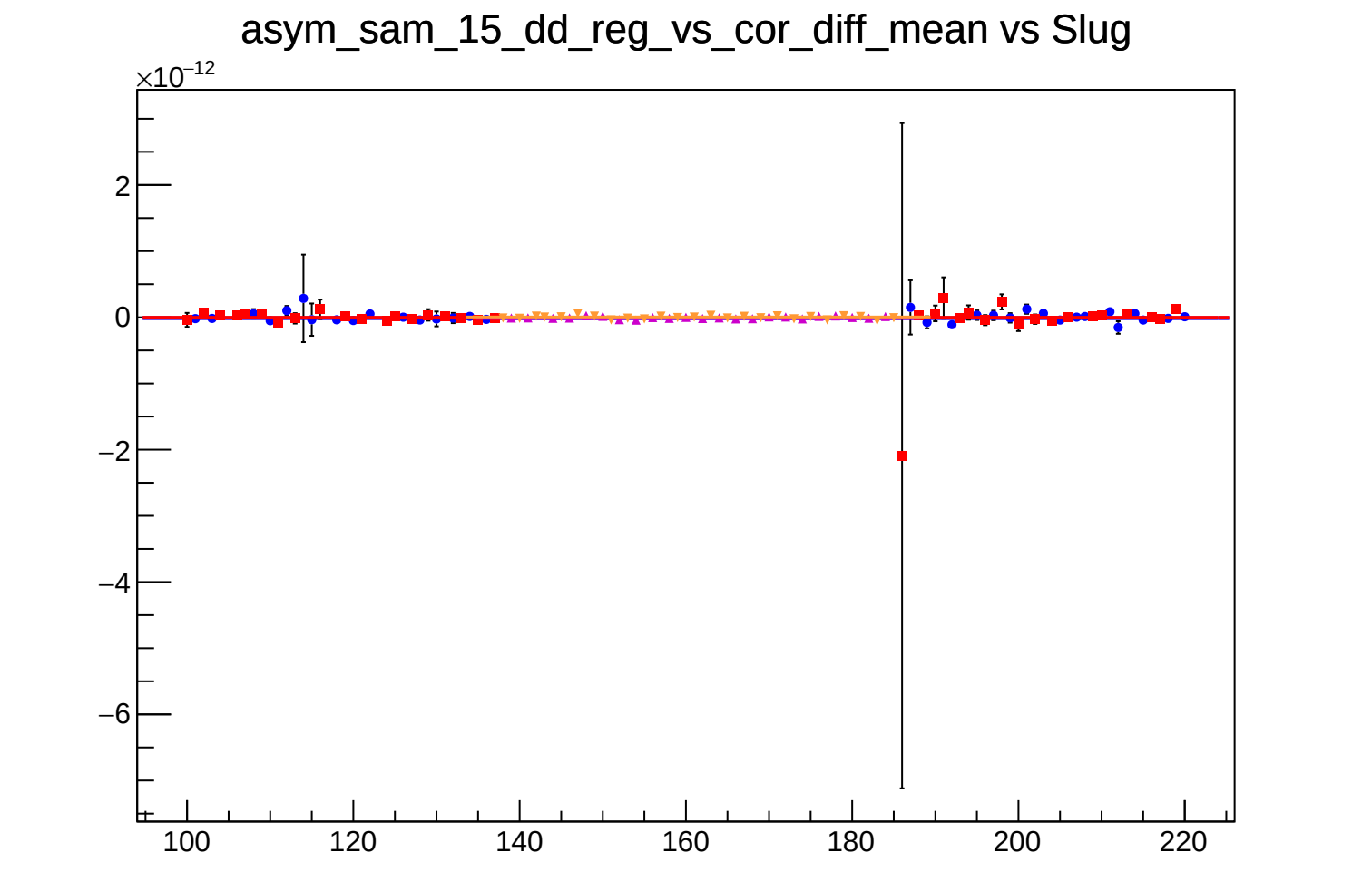
Right Out: 652.907+/-0.103 χ^2/NDF: 2041485.4/36

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 655.657+/-0.074 χ^2/NDF: 1714599.8/57

All: 654.538+/-0.053 χ^2/NDF: 4298672.6/117

- sign 653.397+/-0.075 χ^2/NDF: 2583611.9/59



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/32

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

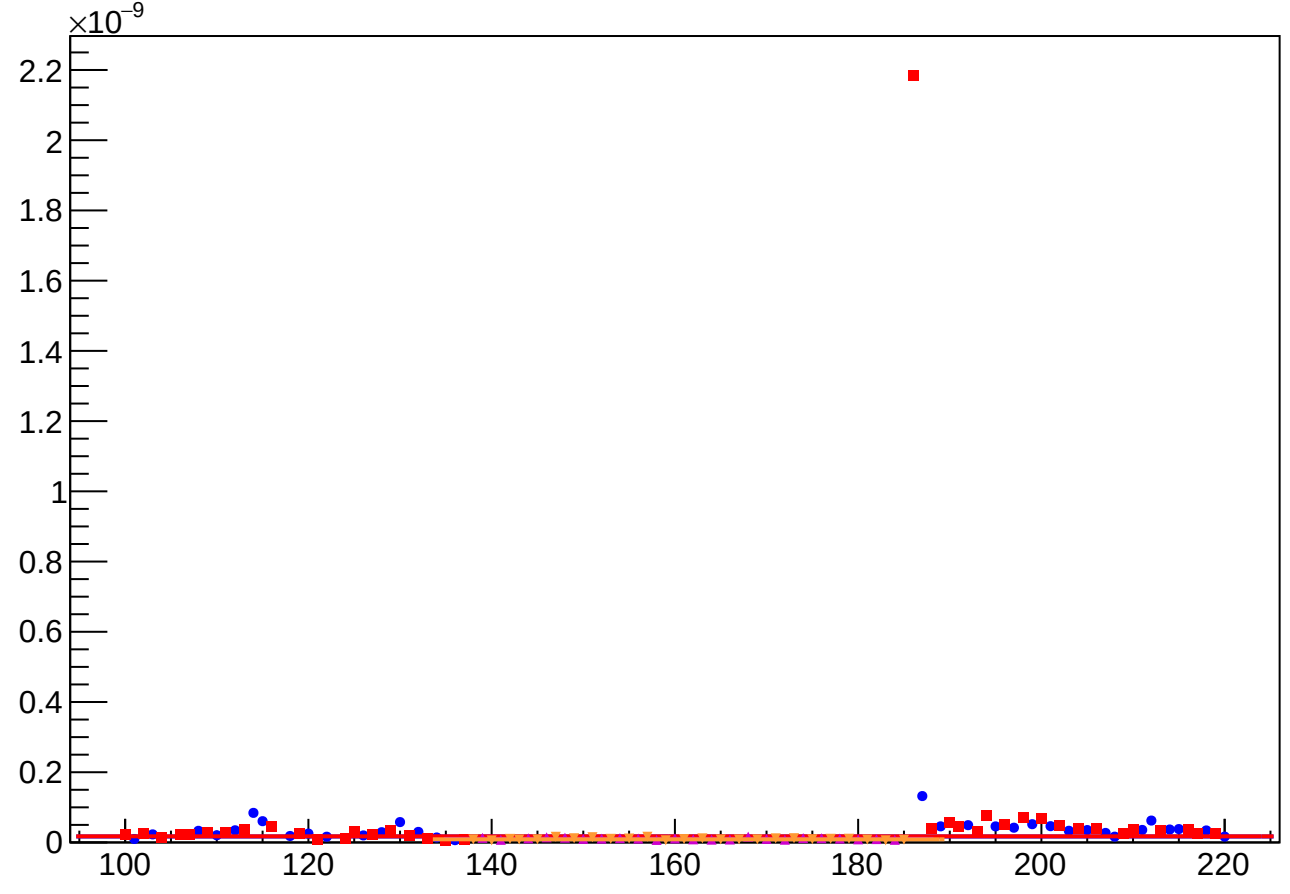
Right Out: -0.000+/-0.000 χ^2/NDF: 38.2/36

Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.3/57

All: -0.000+/-0.000 χ^2/NDF: 117.8/117

- sign -0.000+/-0.000 χ^2/NDF: 53.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 7363605.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8176186.8/36

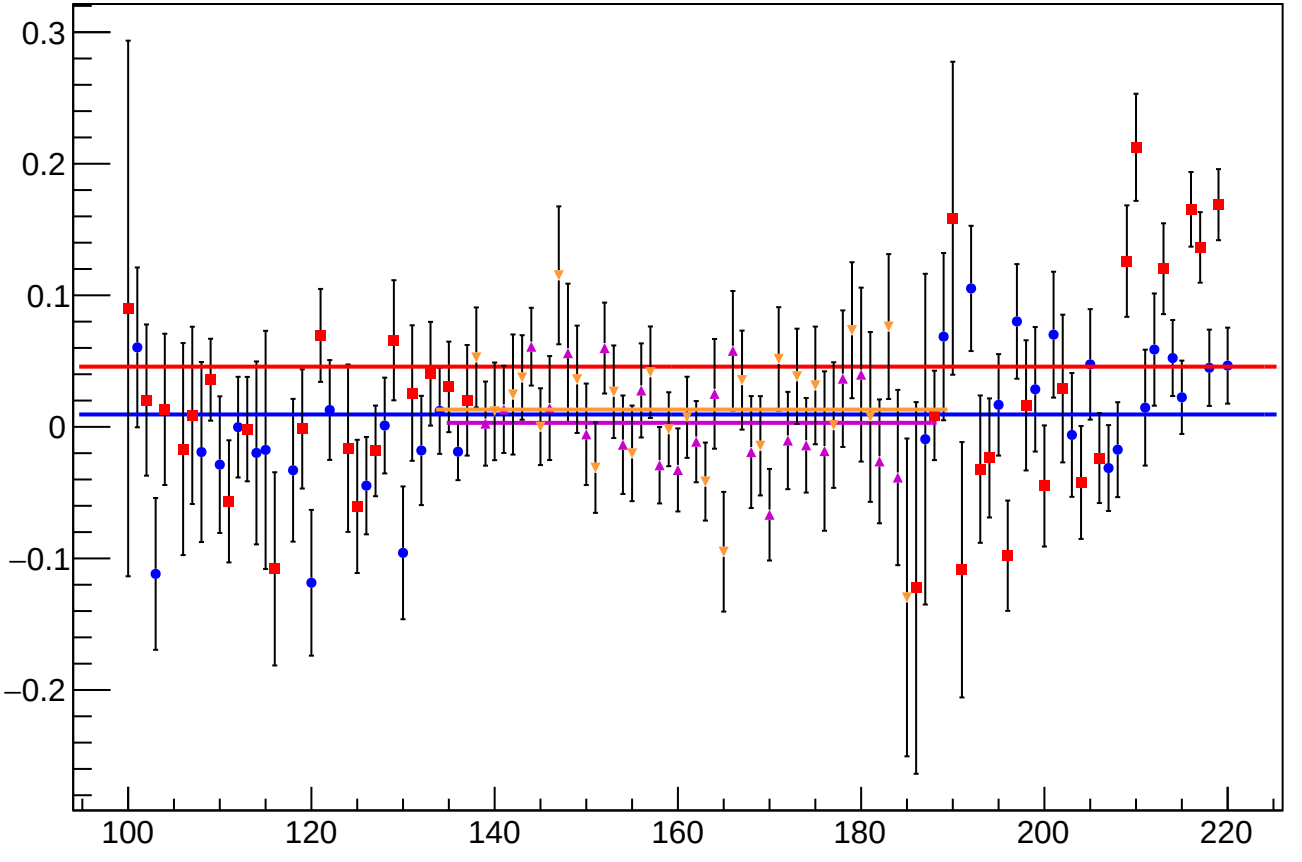
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10689309.5/57

All: 0.000+/-0.000 χ^2/NDF: 21384973.2/117

- sign 0.000+/-0.000 χ^2/NDF: 10526981.7/59

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.009+/-0.007 χ^2/NDF: 40.1/32

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: 0.046+/-0.007 χ^2/NDF: 133.2/36

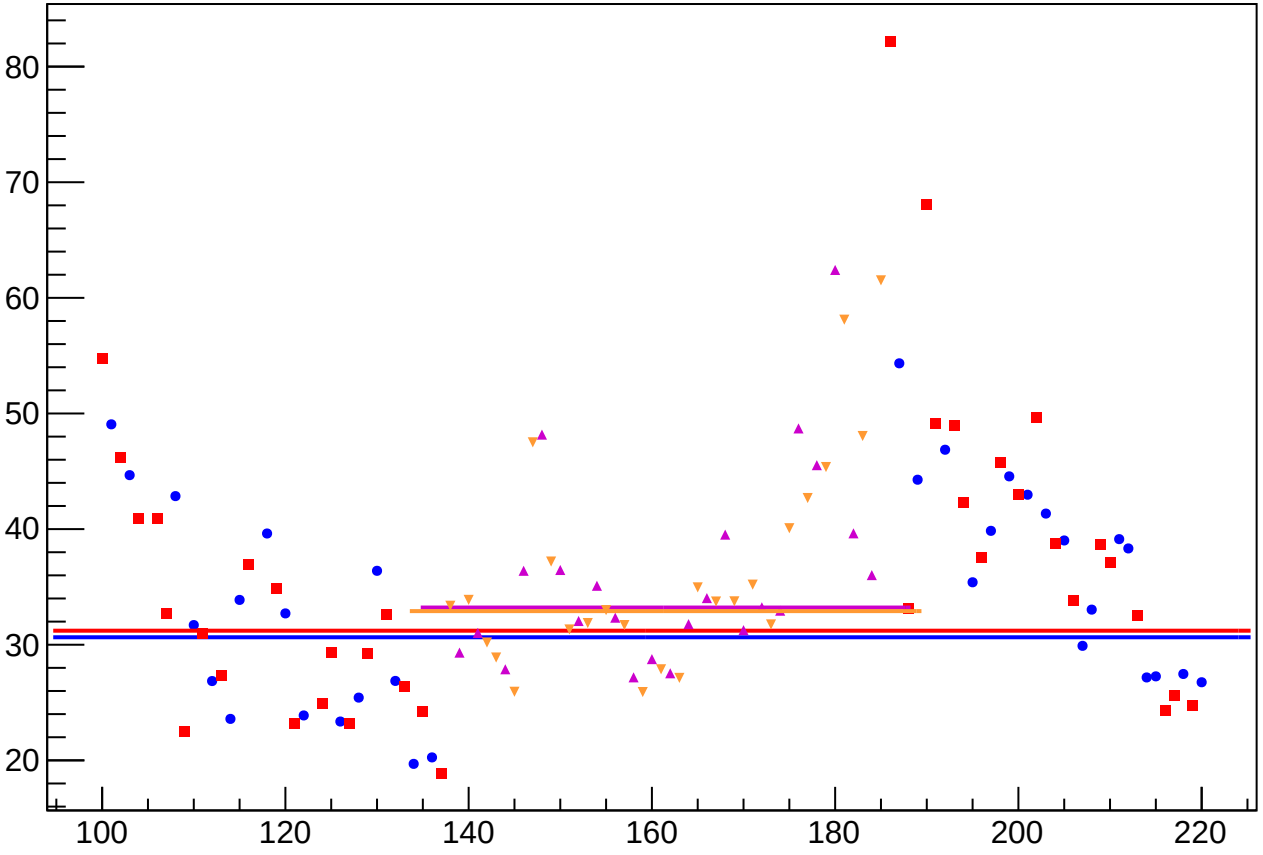
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.011+/-0.005 χ^2/NDF: 65.6/57

All: 0.019+/-0.004 χ^2/NDF: 238.8/117

- sign 0.027+/-0.005 χ^2/NDF: 168.5/59

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.645+/-0.005 χ^2/NDF: 2647462.2/32

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

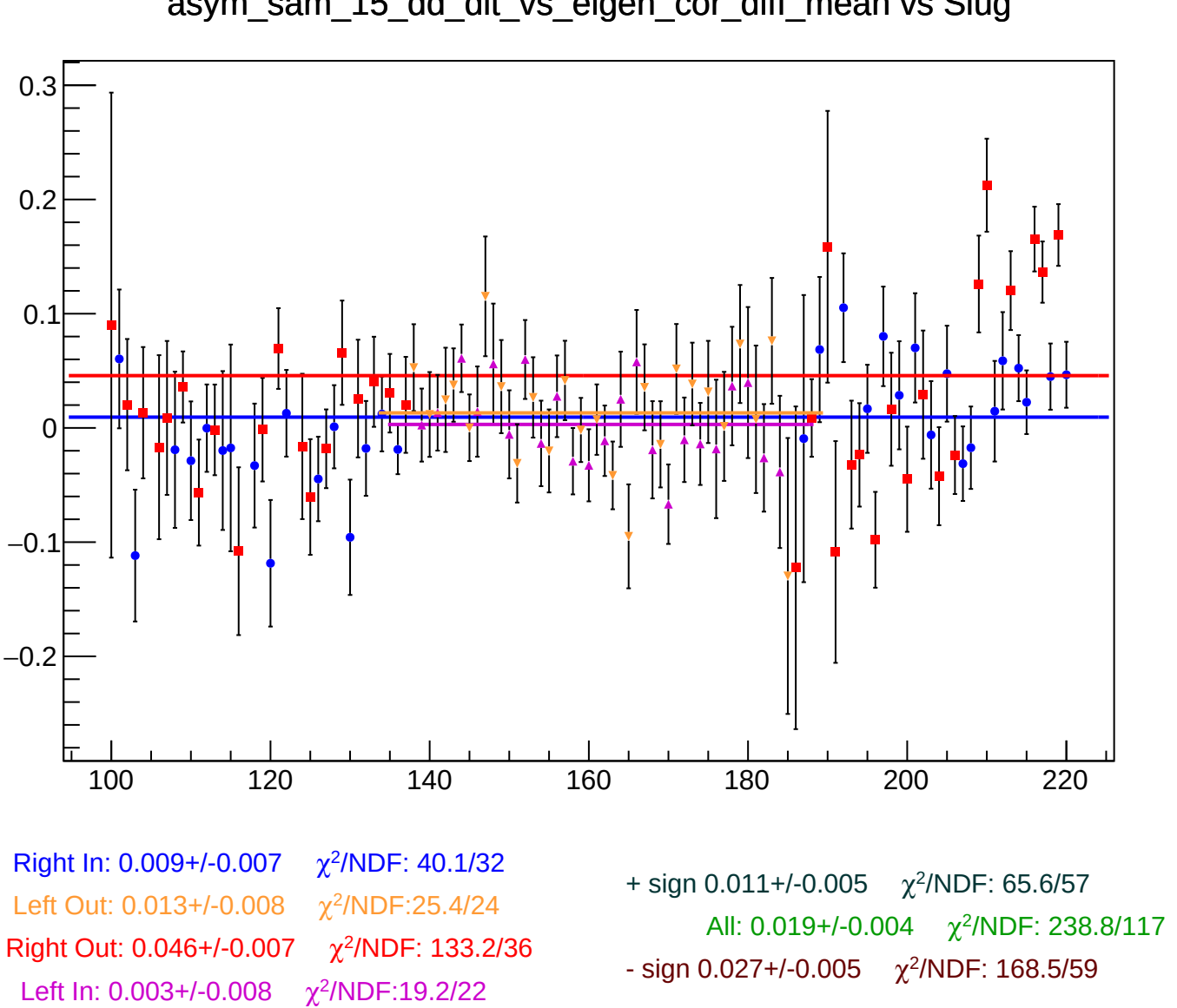
Right Out: 31.214+/-0.005 χ^2/NDF: 2885179.6/36

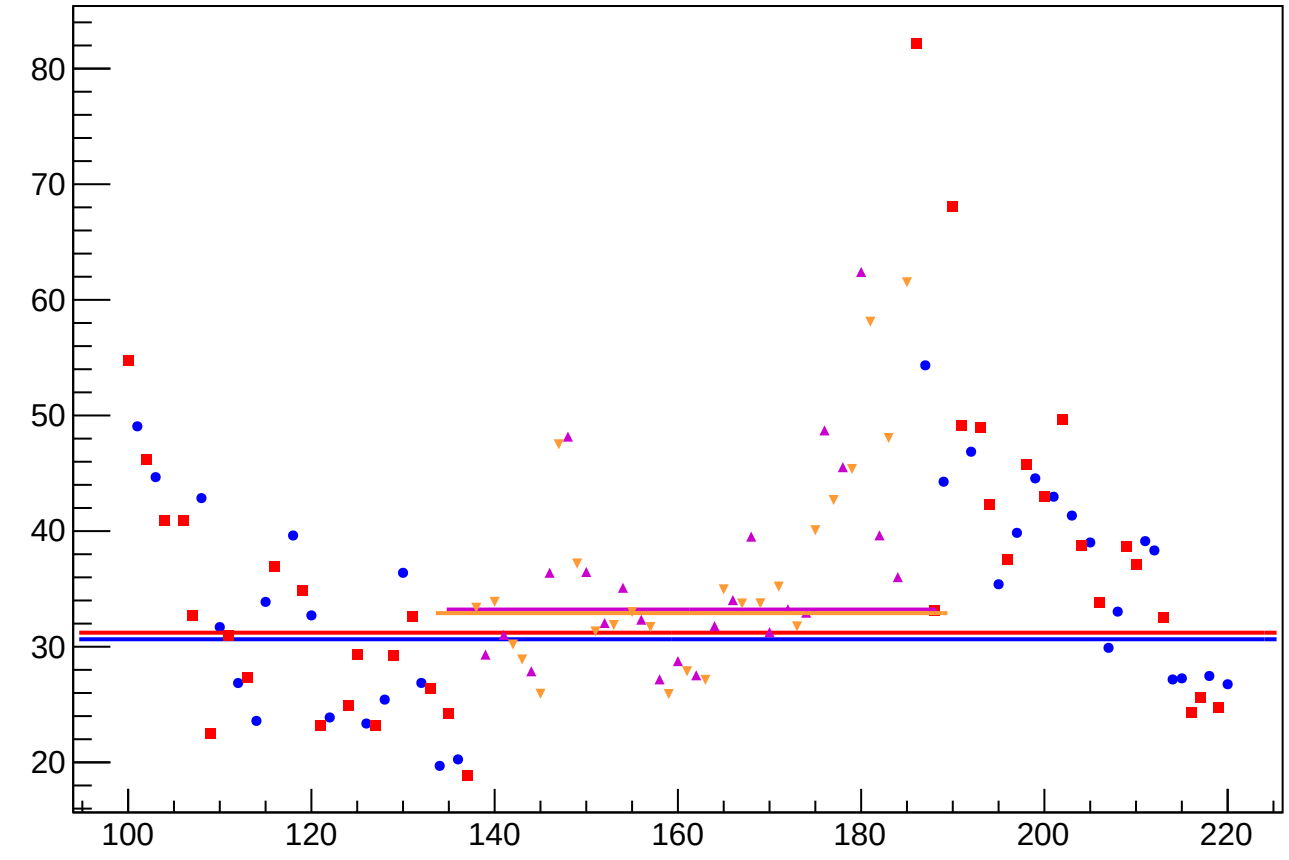
Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

\+ sign 31.668+/-0.004 χ^2/NDF: 4170473.1/57

All: 31.877+/-0.003 χ^2/NDF: 8354619.0/117

\- sign 32.095+/-0.004 χ^2/NDF: 4177444.6/59


asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
220
Right In: 0.009+/-0.007 χ²/NDF: 40.1/32
Left Out: 0.013+/-0.008 χ²/NDF:25.4/24
Right Out: 0.046+/-0.007 χ²/NDF: 133.2/36
Left In: 0.003+/-0.008 χ²/NDF:19.2/22
+ sign 0.011+/-0.005 χ²/NDF: 65.6/57
All: 0.019+/-0.004 χ²/NDF: 238.8/117
- sign 0.027+/-0.005 χ²/NDF: 168.5/59



Right In: 30.645+/-0.005 χ^2/NDF: 2647462.2/32

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

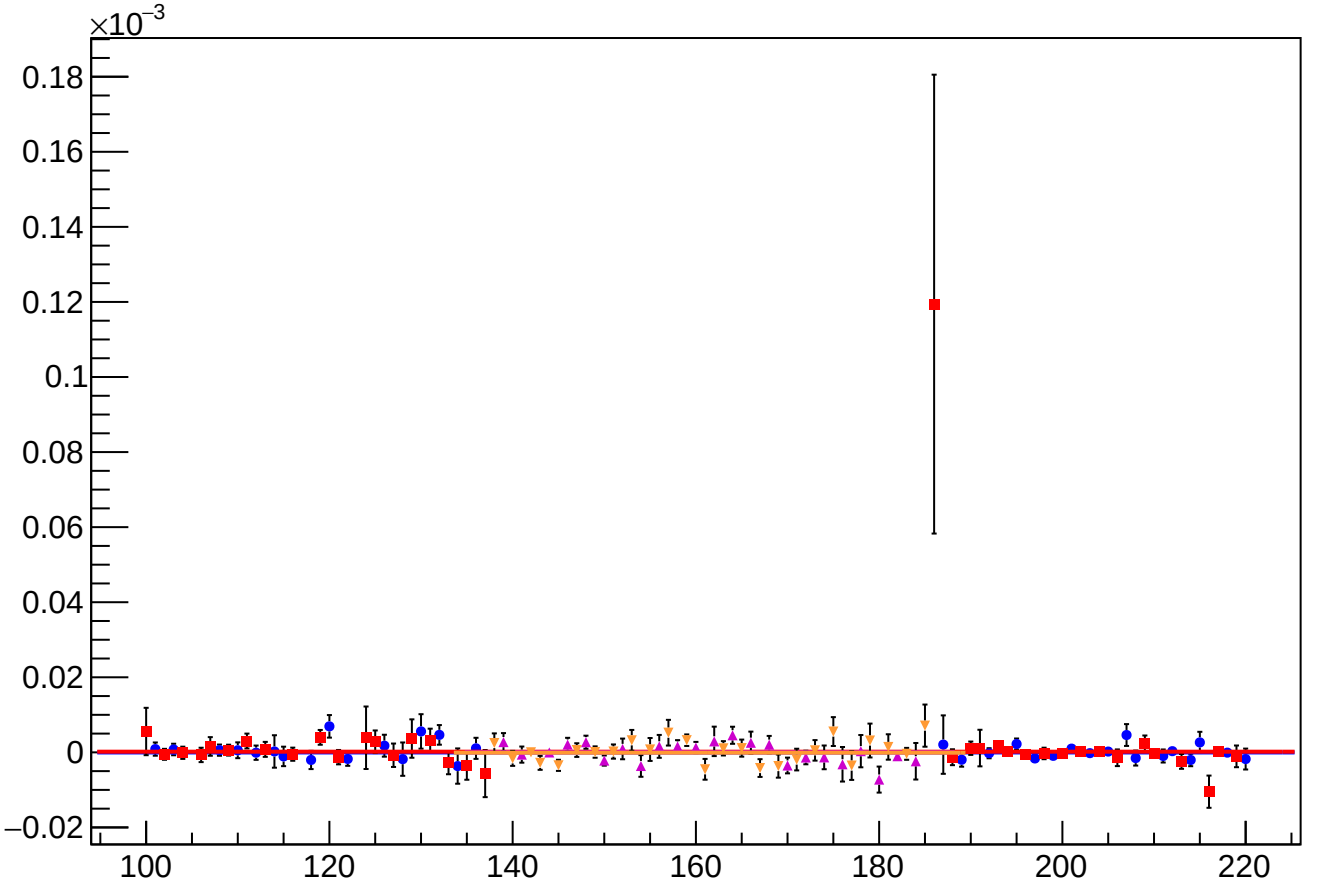
Right Out: 31.214+/-0.005 χ^2/NDF: 2885179.6/36

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 31.668+/-0.004 χ^2/NDF: 4170473.1/57

All: 31.877+/-0.003 χ^2/NDF: 8354619.0/117

- sign 32.095+/-0.004 χ^2/NDF: 4177444.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 27.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

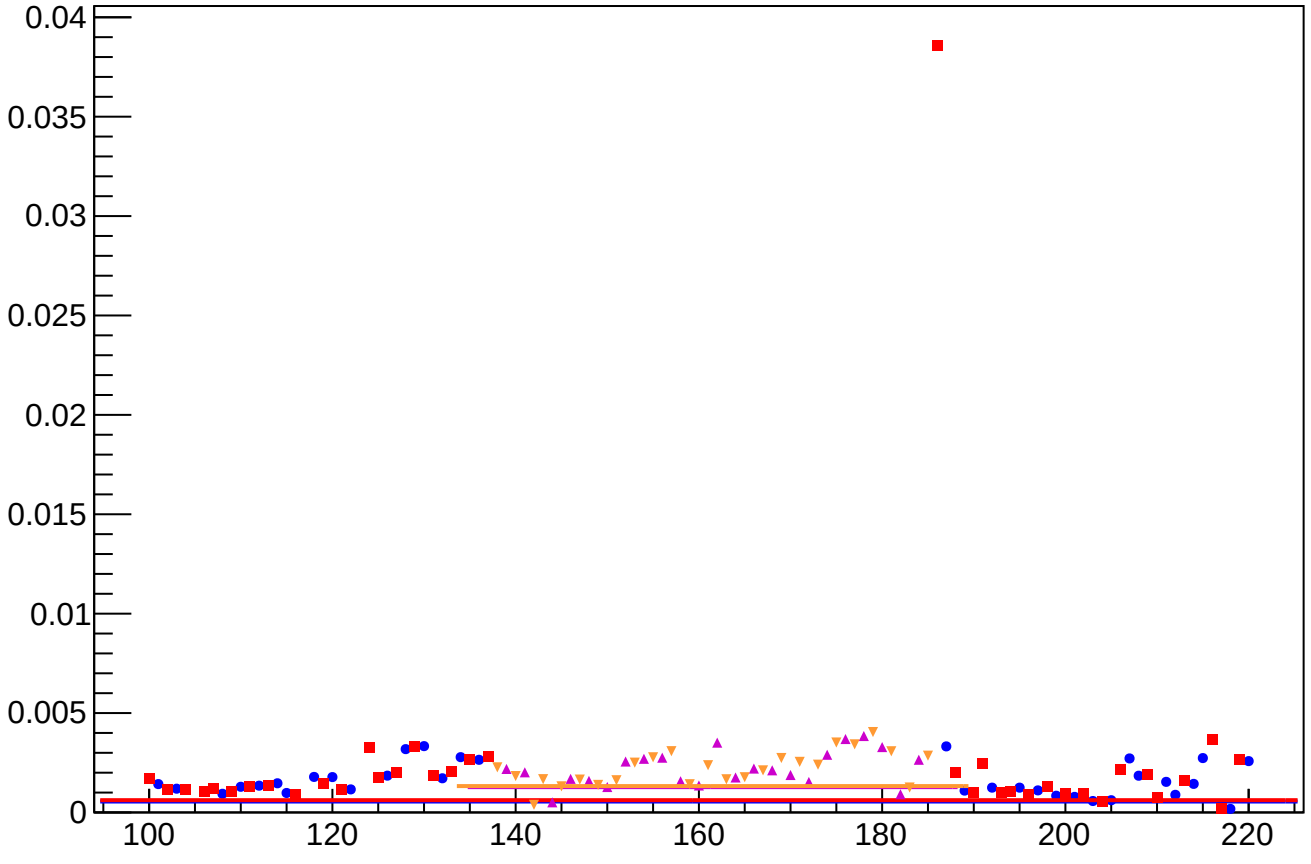
Right Out: 0.000+/-0.000 χ^2/NDF: 31.3/36

Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.8/57

All: 0.000+/-0.000 χ^2/NDF: 117.9/117

- sign 0.000+/-0.000 χ^2/NDF: 58.4/59



Right In: 0.001+/-0.000 χ^2/NDF: 19377130.0/32

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

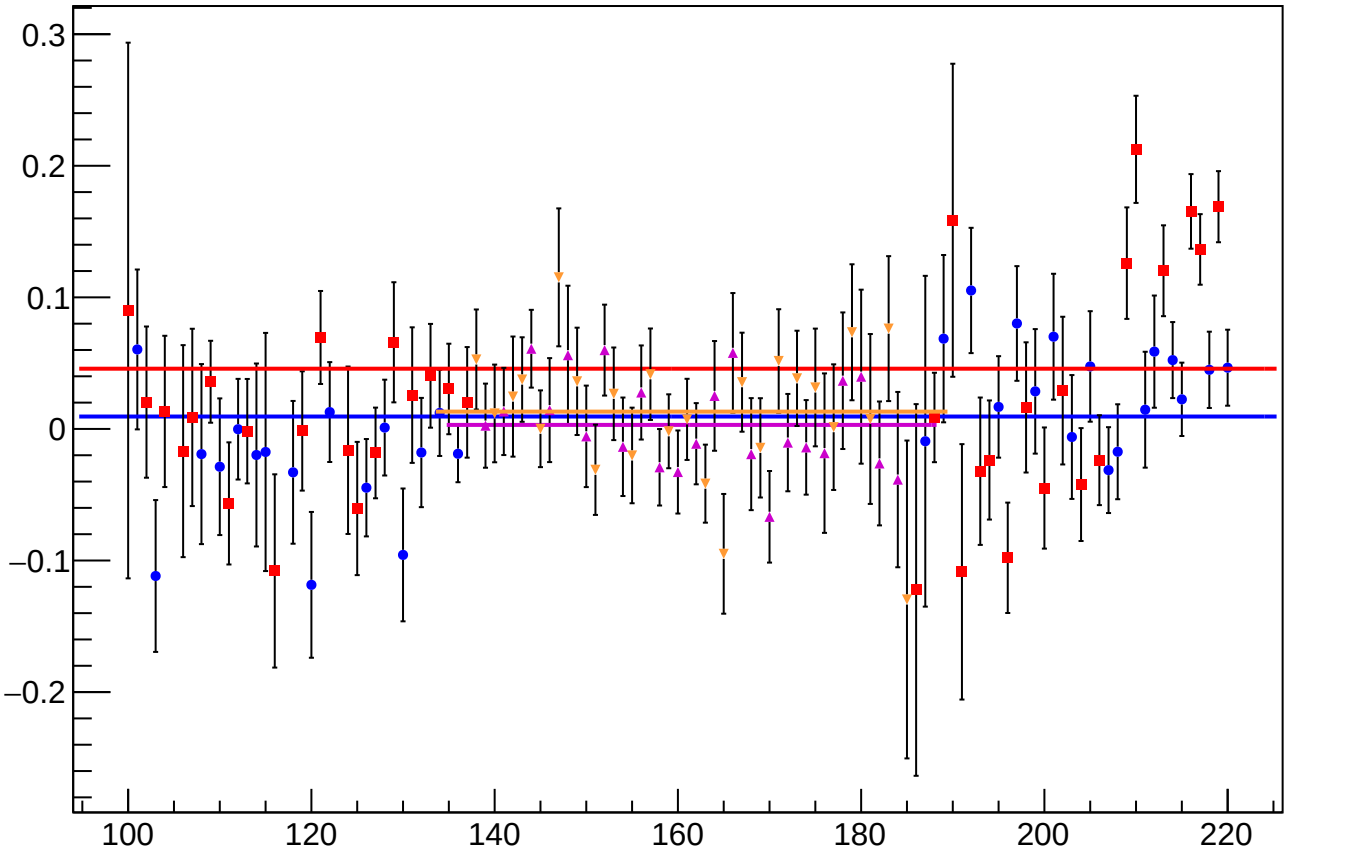
Right Out: 0.001+/-0.000 χ^2/NDF: 18252686.2/36

Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 37819463.8/57

All: 0.001+/-0.000 χ^2/NDF: 71473038.5/117

- sign 0.001+/-0.000 χ^2/NDF: 33503113.3/59



Right In: 0.009+/-0.007 χ^2/NDF: 40.1/32

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

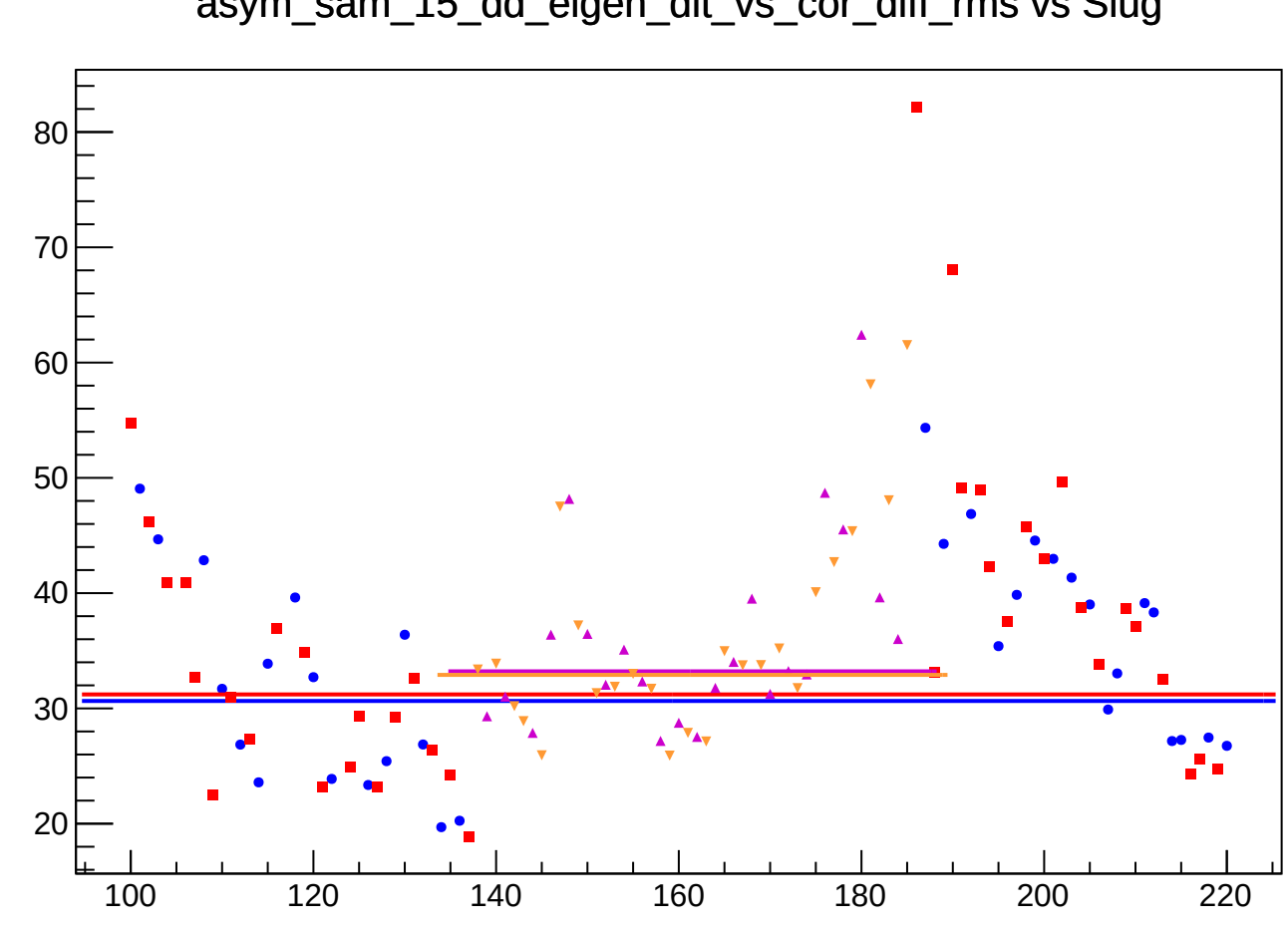
Right Out: 0.046+/-0.007 χ^2/NDF: 133.2/36

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.011+/-0.005 χ^2/NDF: 65.6/57

All: 0.019+/-0.004 χ^2/NDF: 238.8/117

- sign 0.027+/-0.005 χ^2/NDF: 168.5/59



Right In: 30.645+/-0.005 χ^2/NDF: 2647655.7/32

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

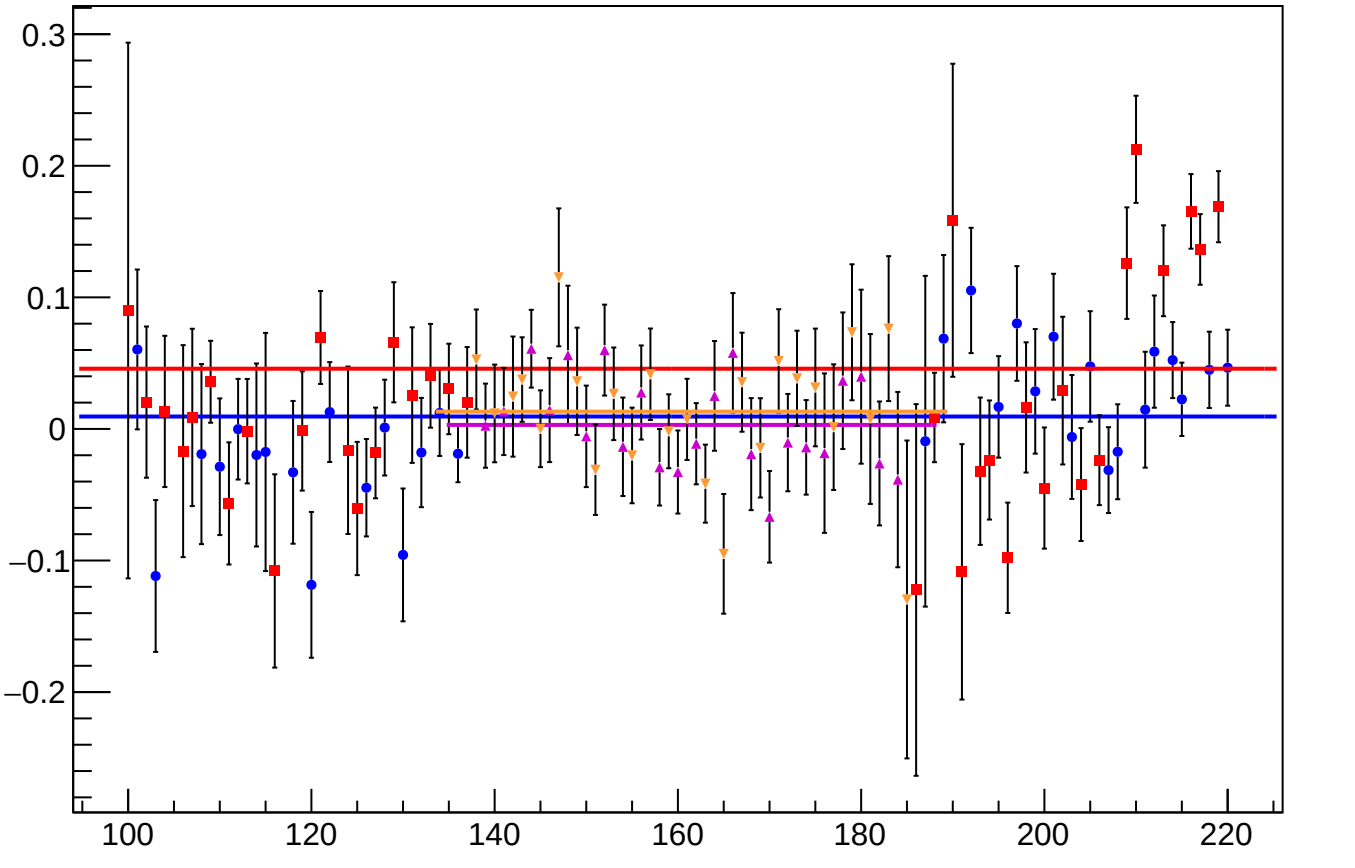
Right Out: 31.213+/-0.005 χ^2/NDF: 2885512.2/36

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.667+/-0.004 χ^2/NDF: 4170791.6/57

All: 31.876+/-0.003 χ^2/NDF: 8355410.2/117

- sign 32.095+/-0.004 χ^2/NDF: 4177921.6/59



Right In: 0.009+/-0.007 χ^2/NDF: 40.1/32

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

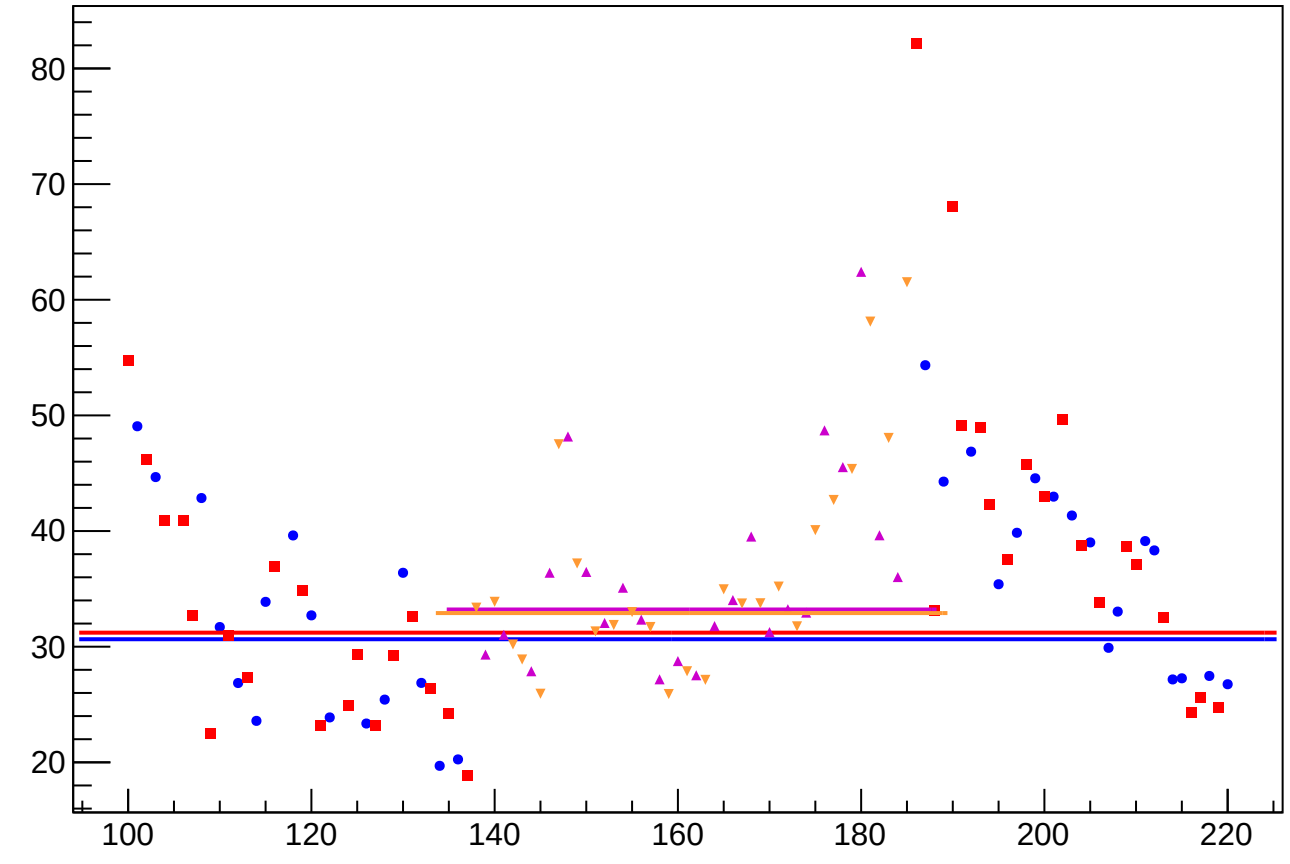
Right Out: 0.046+/-0.007 χ^2/NDF: 133.2/36

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.011+/-0.005 χ^2/NDF: 65.6/57

All: 0.019+/-0.004 χ^2/NDF: 238.8/117

- sign 0.027+/-0.005 χ^2/NDF: 168.5/59



Right In: 30.645+/-0.005 χ^2/NDF: 2647655.7/32

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

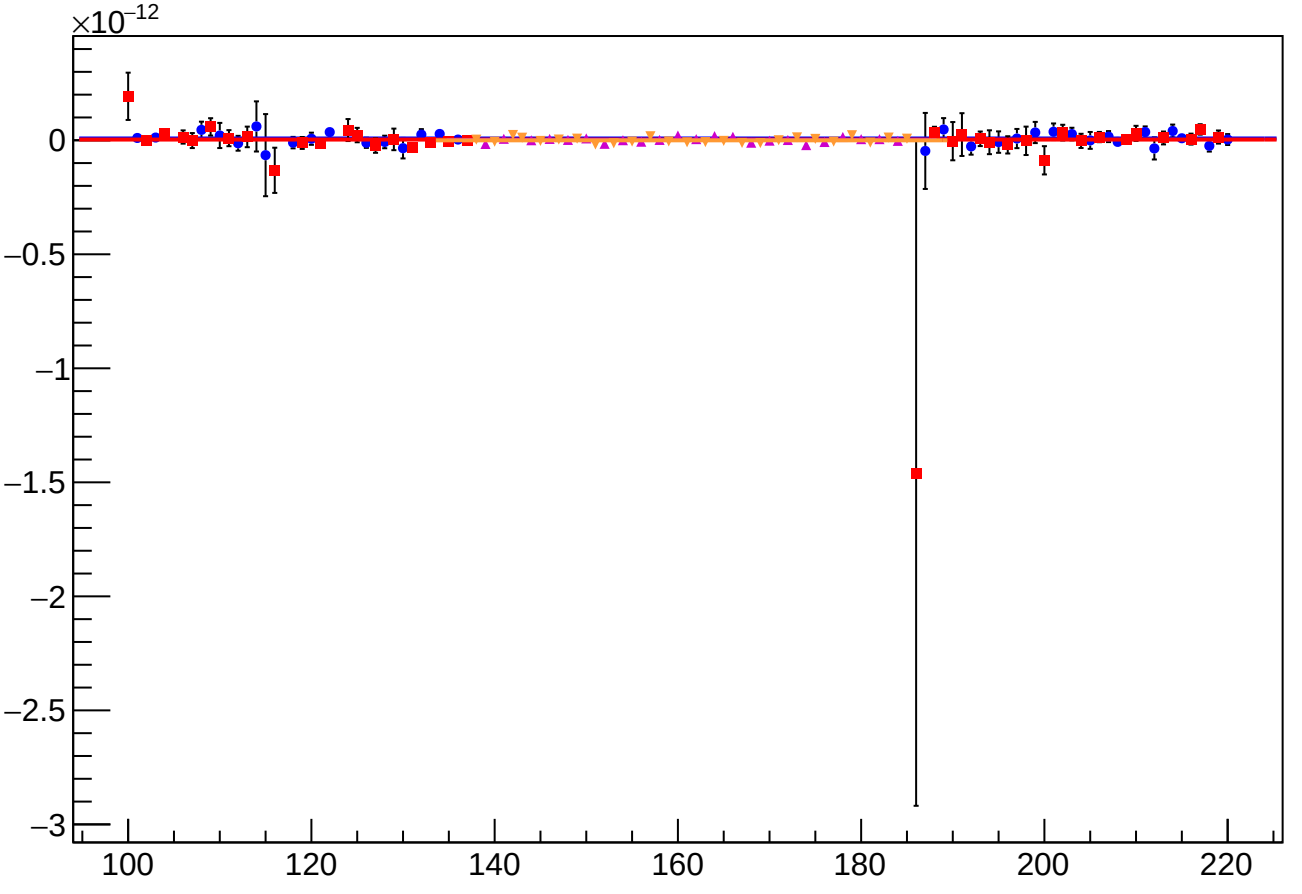
Right Out: 31.213+/-0.005 χ^2/NDF: 2885512.2/36

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 31.667+/-0.004 χ^2/NDF: 4170791.6/57

All: 31.876+/-0.003 χ^2/NDF: 8355410.2/117

- sign 32.095+/-0.004 χ^2/NDF: 4177921.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 17.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

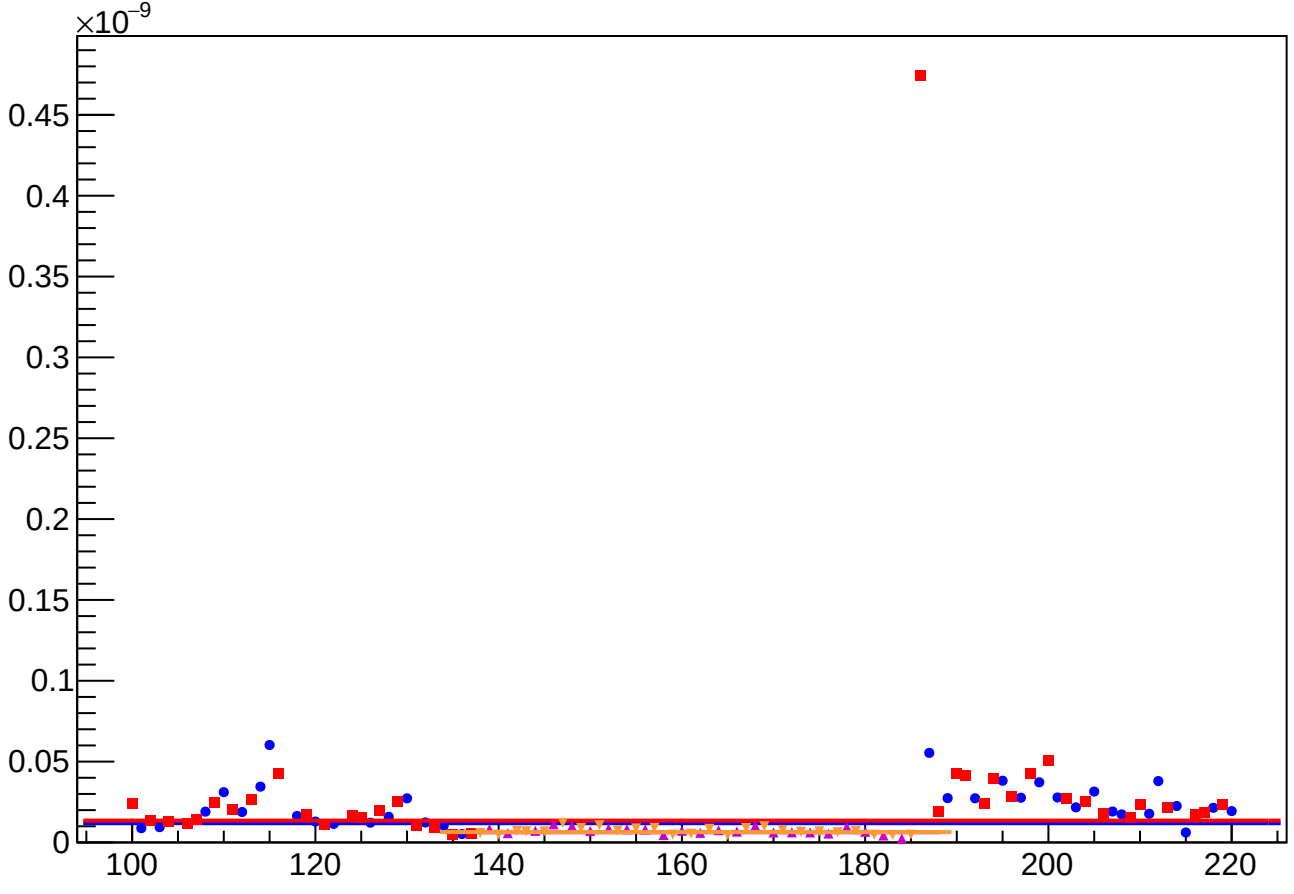
Right Out: 0.000+/-0.000 χ^2/NDF: 26.7/36

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.2/57

All: 0.000+/-0.000 χ^2/NDF: 104.4/117

- sign 0.000+/-0.000 χ^2/NDF: 52.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 8815970.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8021040.0/36

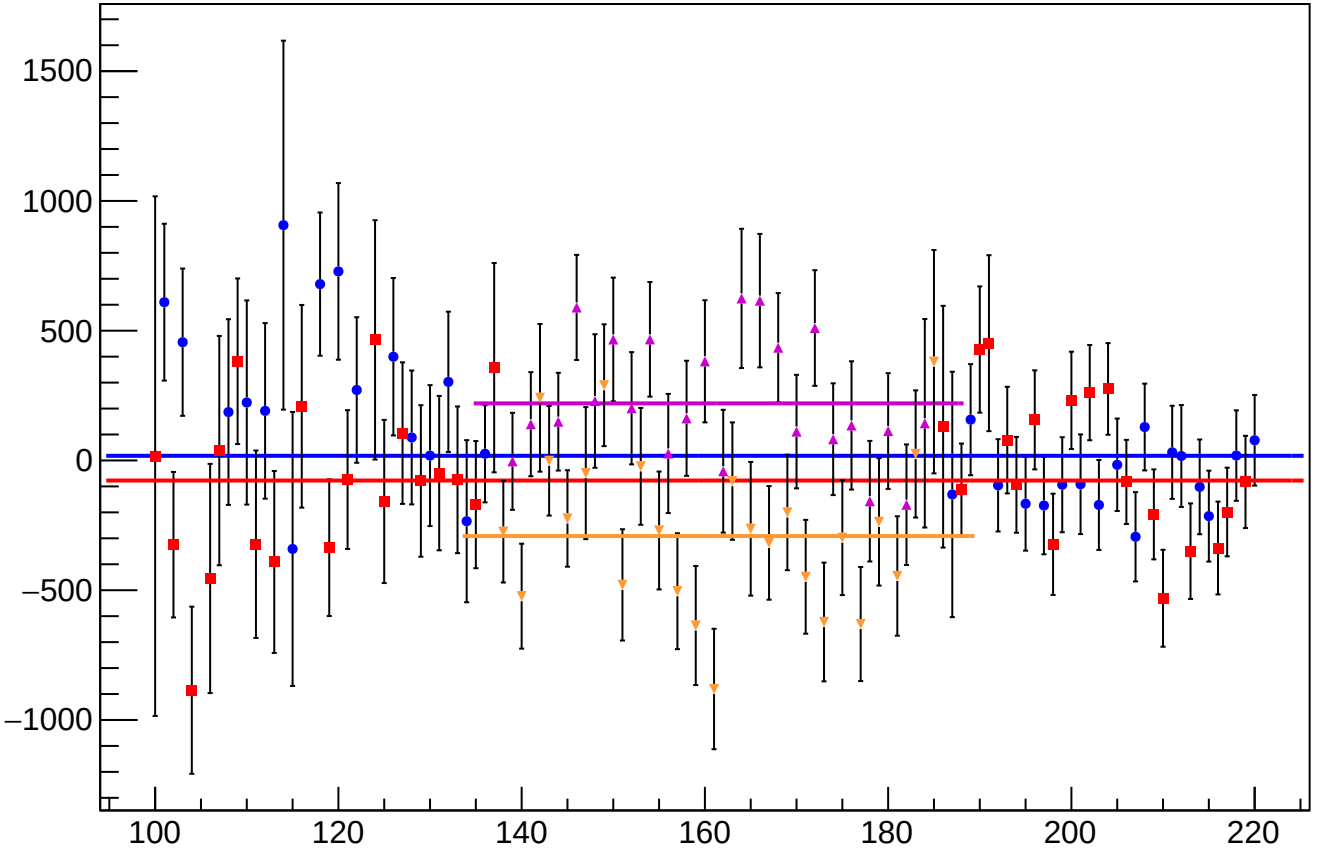
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 14130521.6/57

All: 0.000+/-0.000 χ^2/NDF: 29336160.1/117

- sign 0.000+/-0.000 χ^2/NDF: 15202009.6/59

reg_asym_sam_26_dd_mean vs Slug



Right In: 17.936+/-38.579 χ^2/NDF: 34.3/32

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: -77.343+/-38.736 χ^2/NDF: 48.0/36

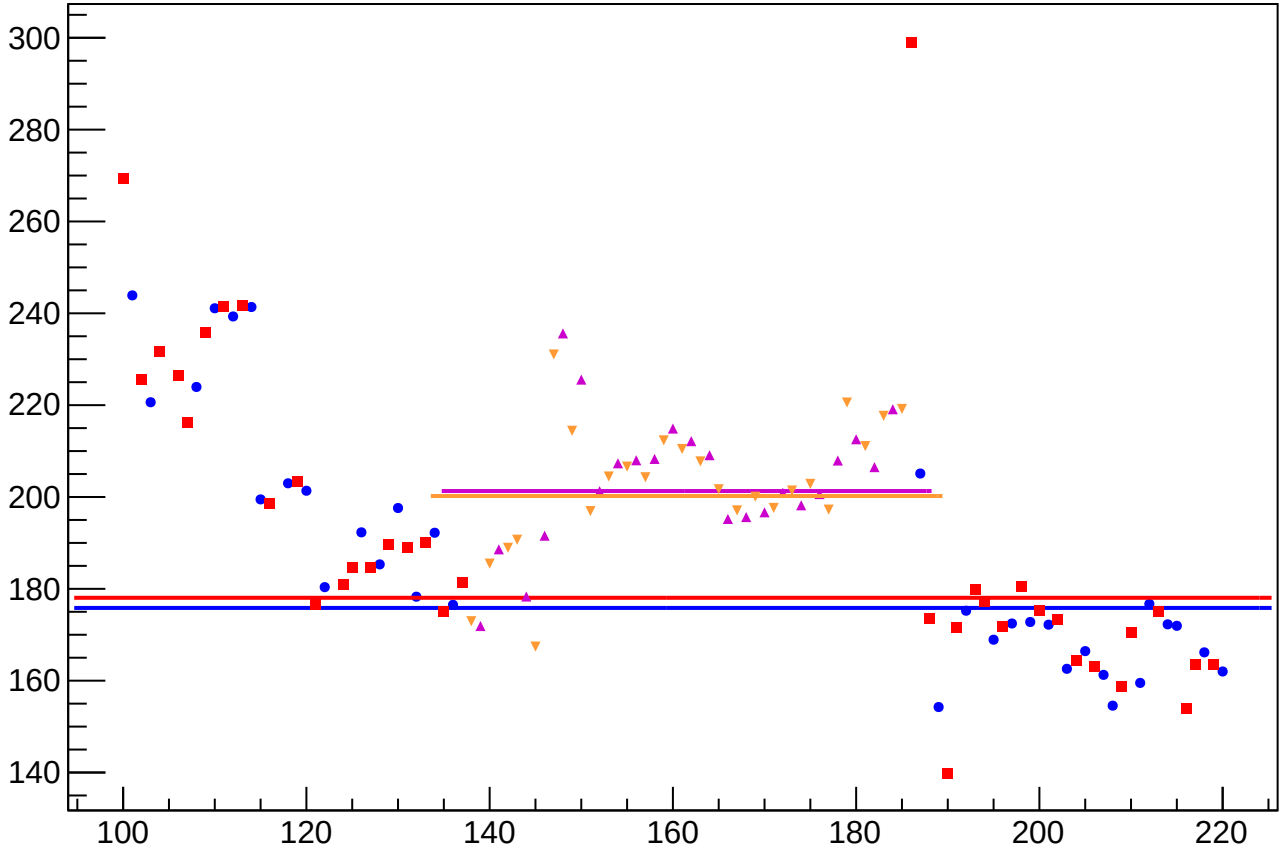
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -111.028+/-29.456 χ^2/NDF: 97.5/57

All: -35.498+/-20.994 χ^2/NDF: 206.3/117

- sign 42.480+/-29.930 χ^2/NDF: 95.4/59

reg_asym_sam_26_dd_rms vs Slug



Right In: 175.841+/-0.027 χ^2/NDF: 526269.5/32

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 178.050+/-0.027 χ^2/NDF: 711348.8/36

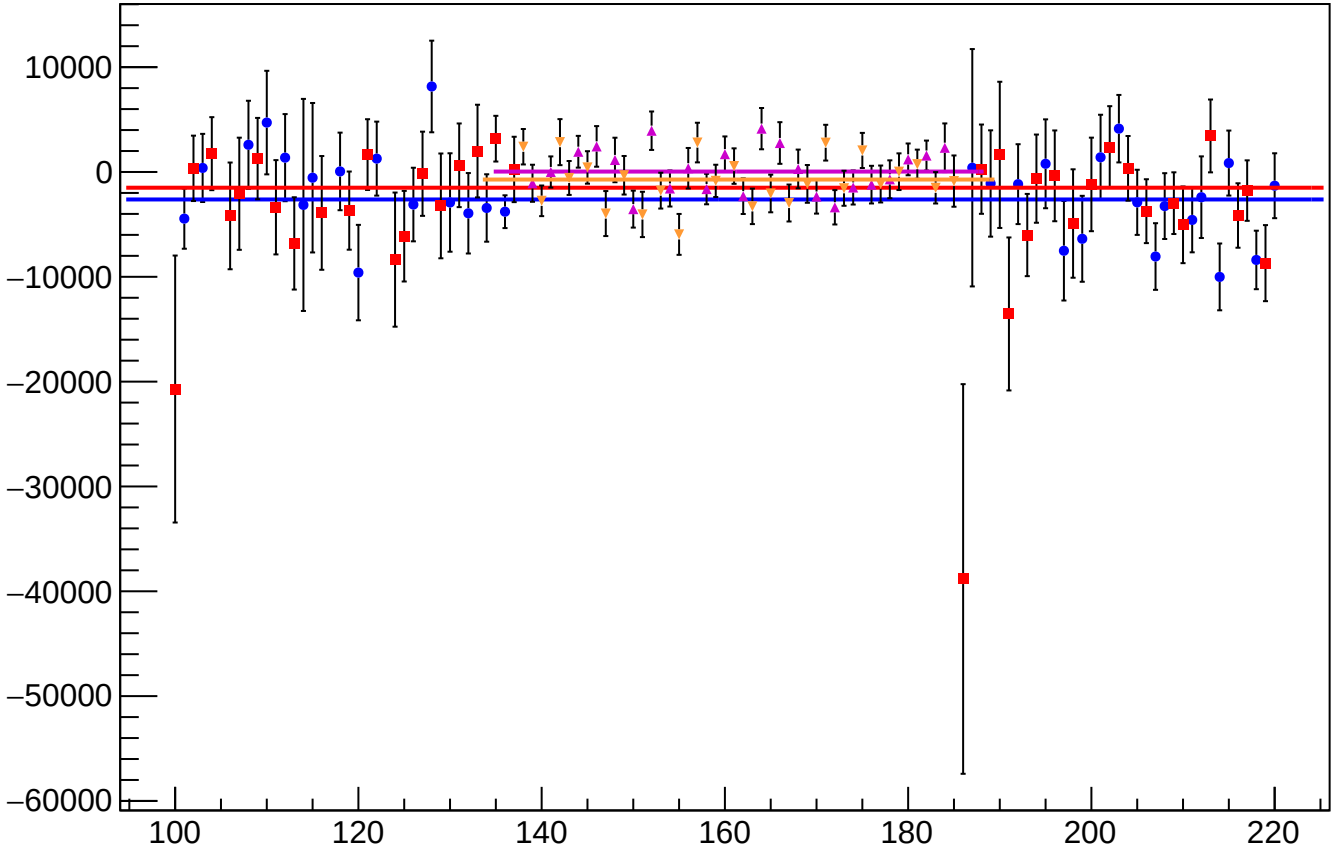
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 186.004+/-0.021 χ^2/NDF: 1063437.4/57

All: 186.700+/-0.015 χ^2/NDF: 2249003.8/117

- sign 187.419+/-0.021 χ^2/NDF: 1183293.5/59

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -2621.604+/-608.856 χ^2/NDF: 39.7/32

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -1500.558+/-639.312 χ^2/NDF: 34.5/36

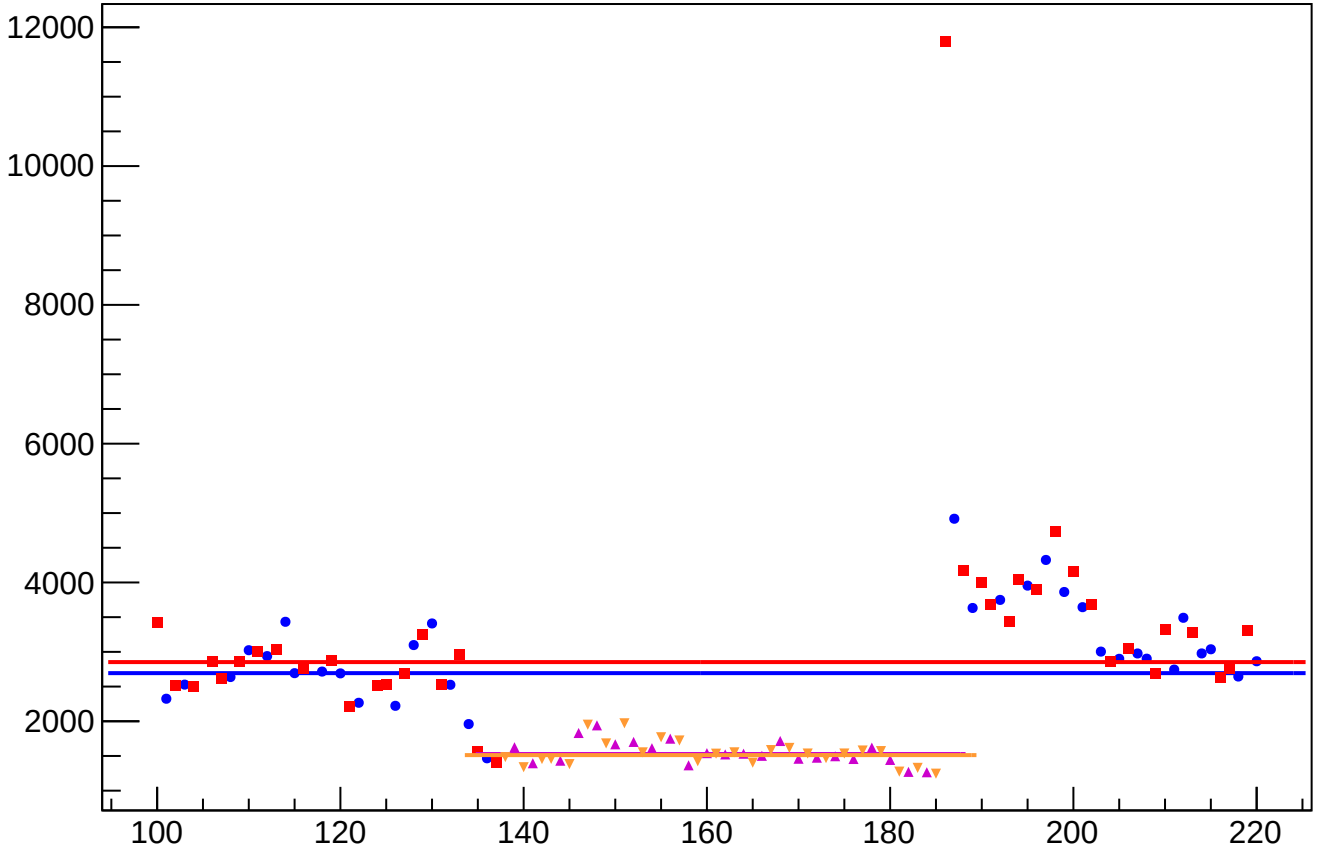
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -1185.489+/-301.066 χ^2/NDF: 85.3/57

All: -774.774+/-217.049 χ^2/NDF: 162.5/117

- sign -330.288+/-313.199 χ^2/NDF: 73.3/59

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2693.575+/-0.431 χ^2/NDF: 2702553.8/32

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2852.728+/-0.452 χ^2/NDF: 3018171.4/36

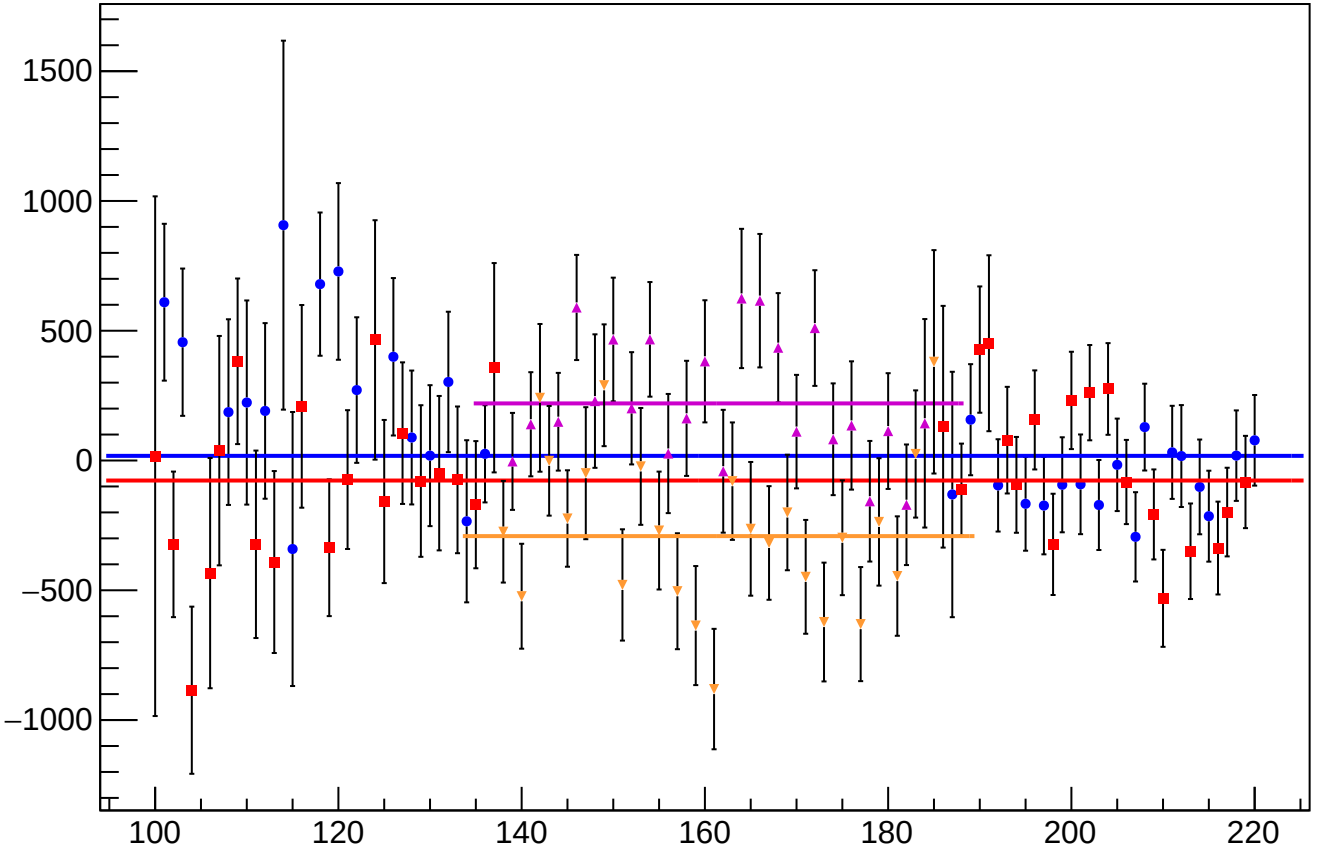
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1801.182+/-0.213 χ^2/NDF: 8832130.9/57

All: 1822.663+/-0.153 χ^2/NDF: 18772042.1/1

- sign 1845.911+/-0.221 χ^2/NDF: 9918709.7/59

cor_asym_sam_26_dd_mean vs Slug



Right In: 17.928+/-38.579 χ^2/NDF: 34.3/32

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -77.121+/-38.738 χ^2/NDF: 47.9/36

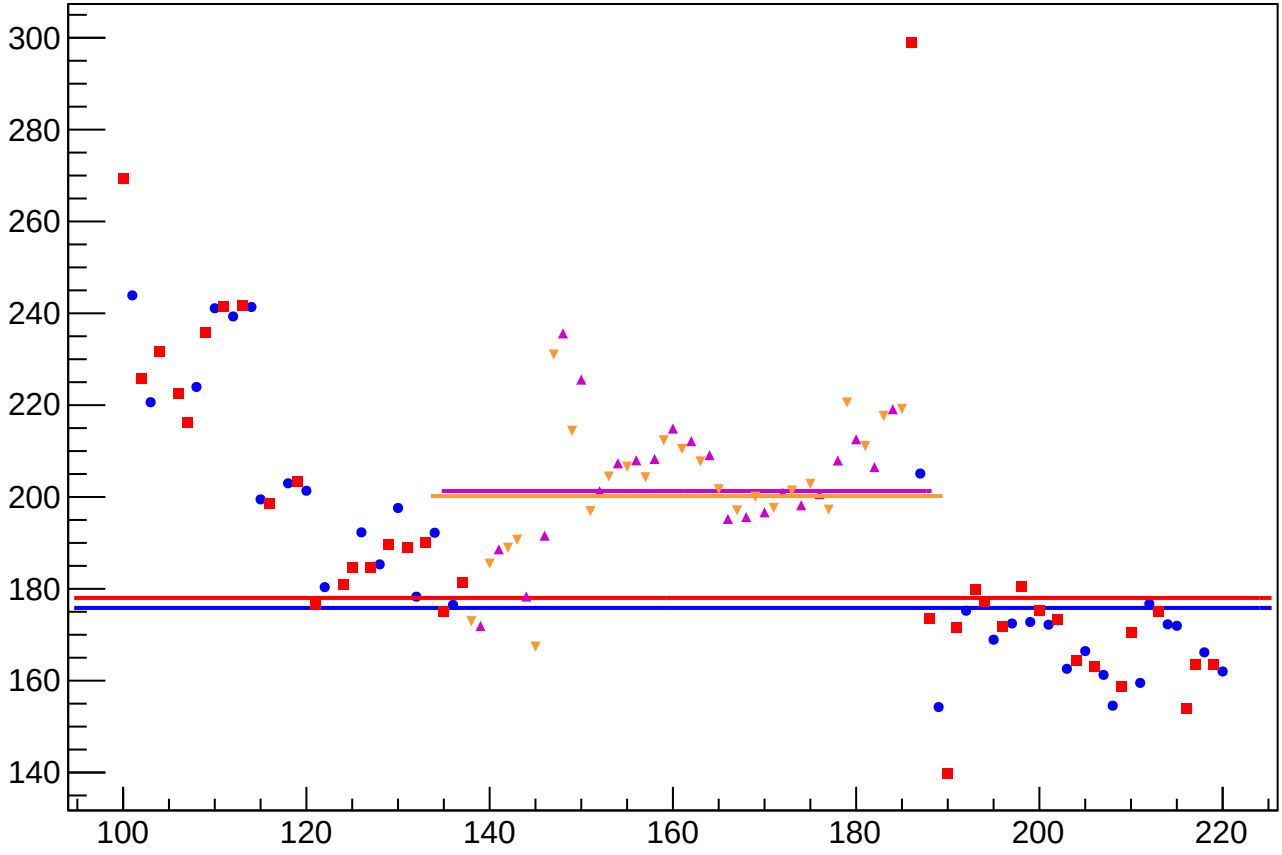
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -111.034+/-29.456 χ^2/NDF: 97.5/57

All: -35.433+/-20.994 χ^2/NDF: 206.2/117

- sign 42.621+/-29.930 χ^2/NDF: 95.3/59

cor_asym_sam_26_dd_rms vs Slug



Right In: 175.841+/-0.027 χ^2/NDF: 526270.1/32

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 178.018+/-0.027 χ^2/NDF: 707560.0/36

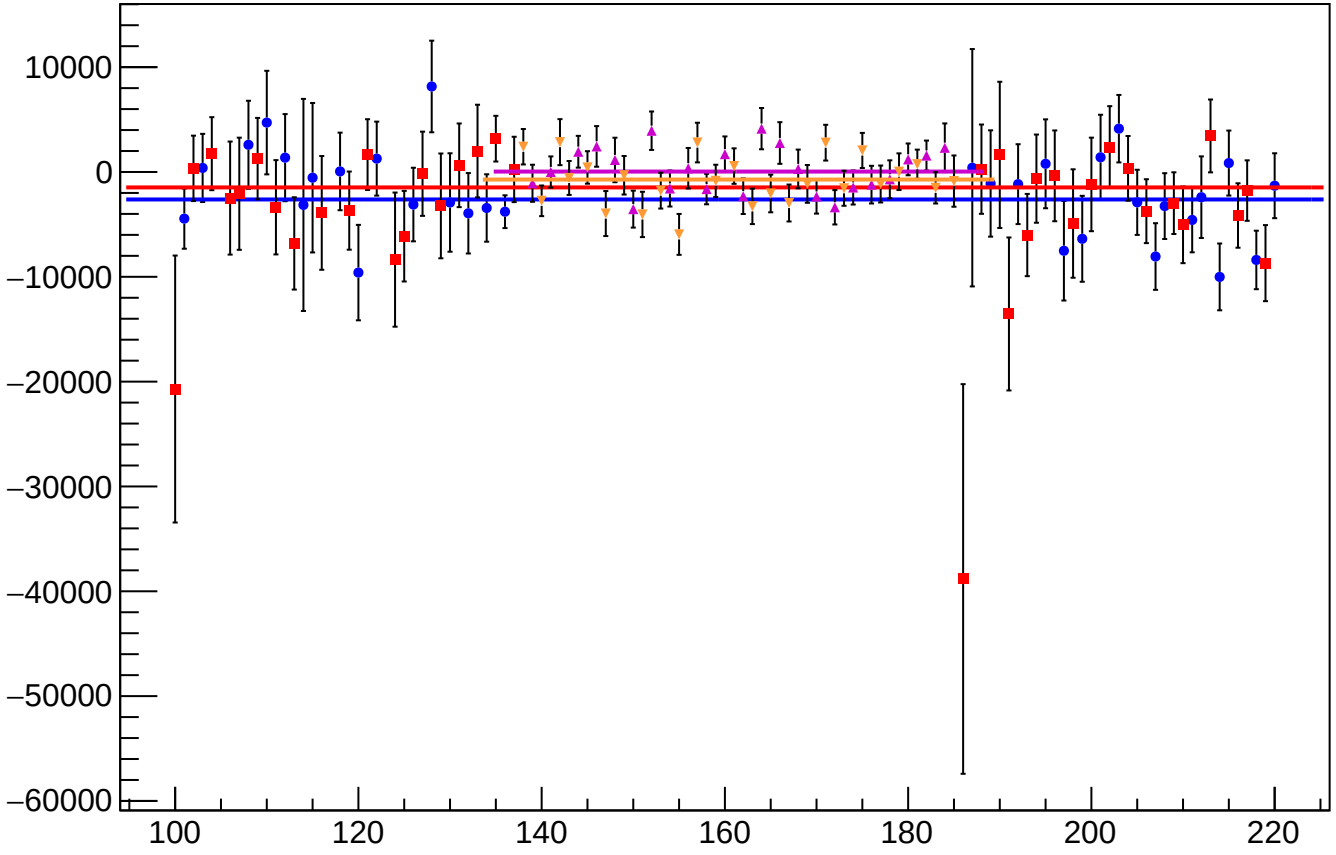
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 186.004+/-0.021 χ^2/NDF: 1063438.0/57

All: 186.691+/-0.015 χ^2/NDF: 2245954.8/117

\- sign 187.400+/-0.021 χ^2/NDF: 1180304.3/59

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -2621.594+/-608.856 χ^2/NDF: 39.7/32

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -1472.157+/-639.870 χ^2/NDF: 34.2/36

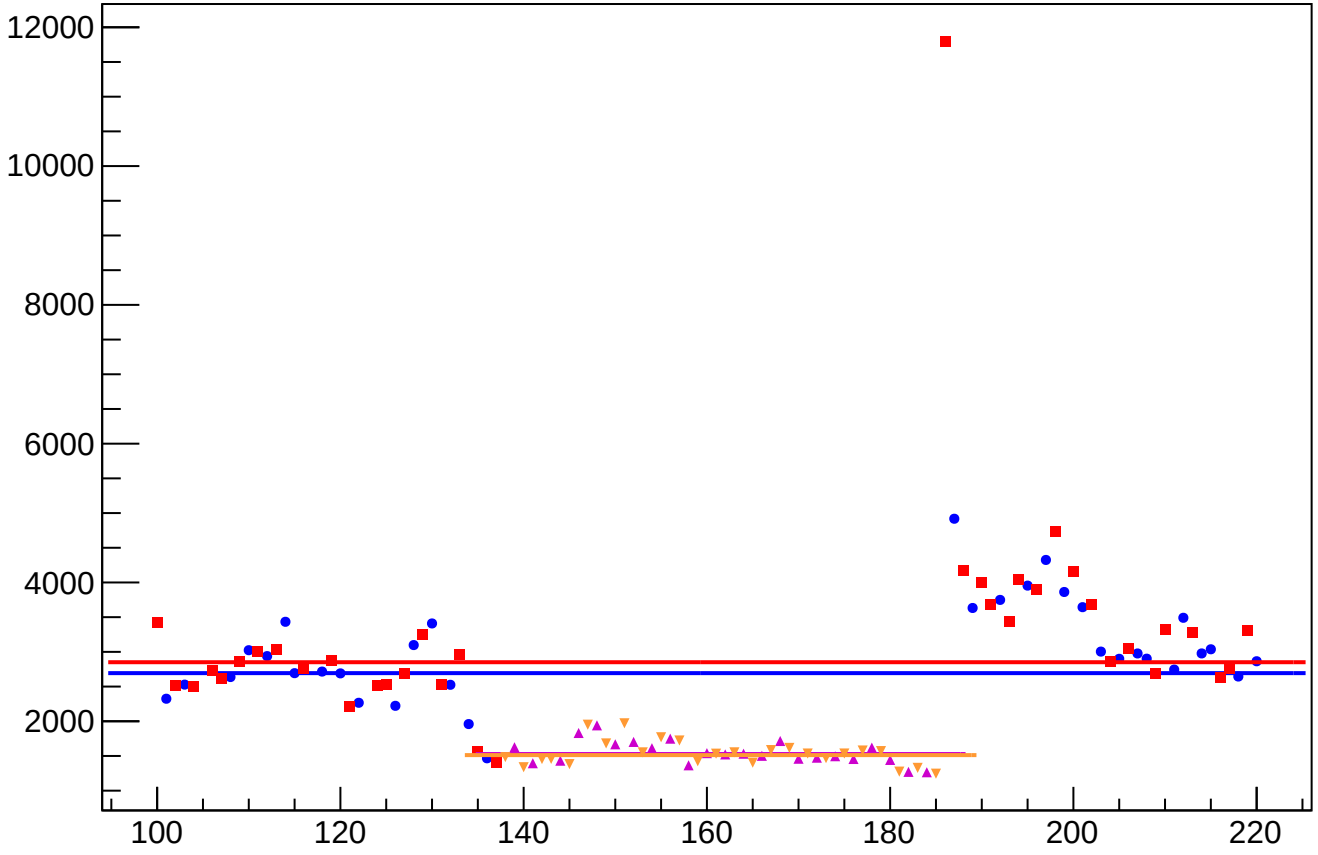
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -1185.490+/-301.066 χ^2/NDF: 85.3/57

All: -771.360+/-217.071 χ^2/NDF: 162.1/117

- sign -322.992+/-313.265 χ^2/NDF: 72.9/59

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2693.577+/-0.431 χ^2/NDF: 2702546.1/32

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2850.835+/-0.452 χ^2/NDF: 3019014.5/36

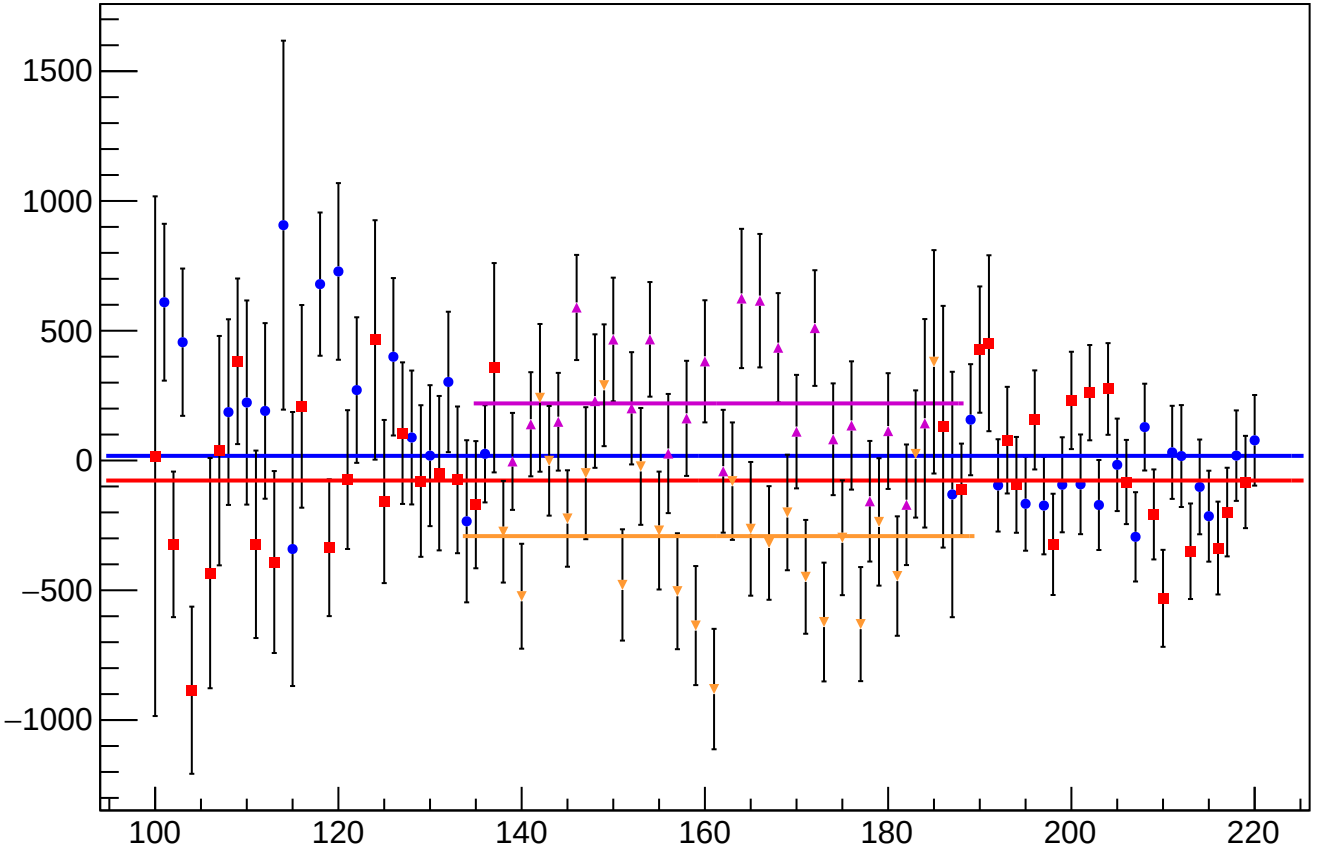
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1801.182+/-0.213 χ^2/NDF: 8832141.1/57

All: 1822.238+/-0.153 χ^2/NDF: 18744789.8/1

- sign 1845.036+/-0.222 χ^2/NDF: 9892273.8/59

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 17.928+/-38.579 χ^2/NDF: 34.3/32

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: -77.121+/-38.738 χ^2/NDF: 47.9/36

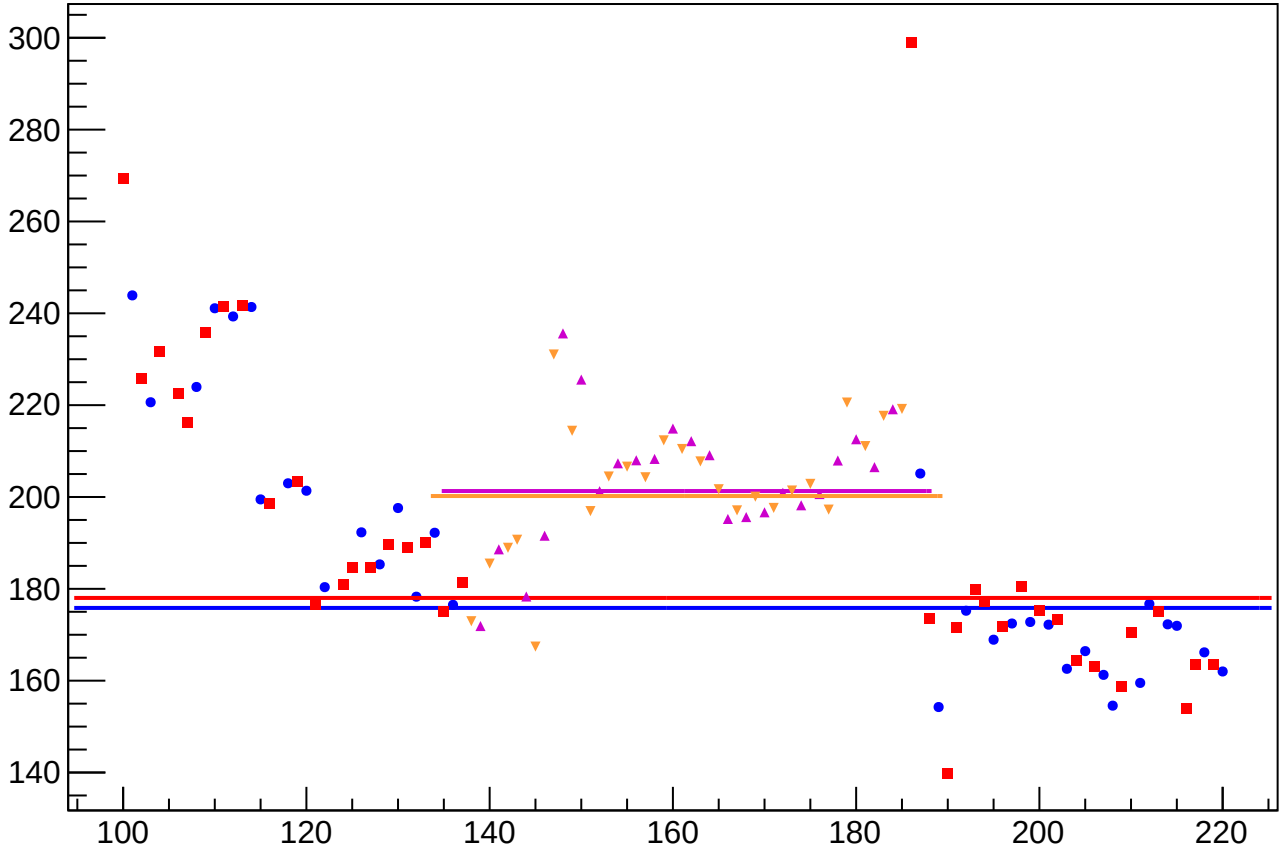
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -111.034+/-29.456 χ^2/NDF: 97.5/57

All: -35.433+/-20.994 χ^2/NDF: 206.2/117

- sign 42.621+/-29.930 χ^2/NDF: 95.3/59

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 175.841+/-0.027 χ^2/NDF: 526270.1/32

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

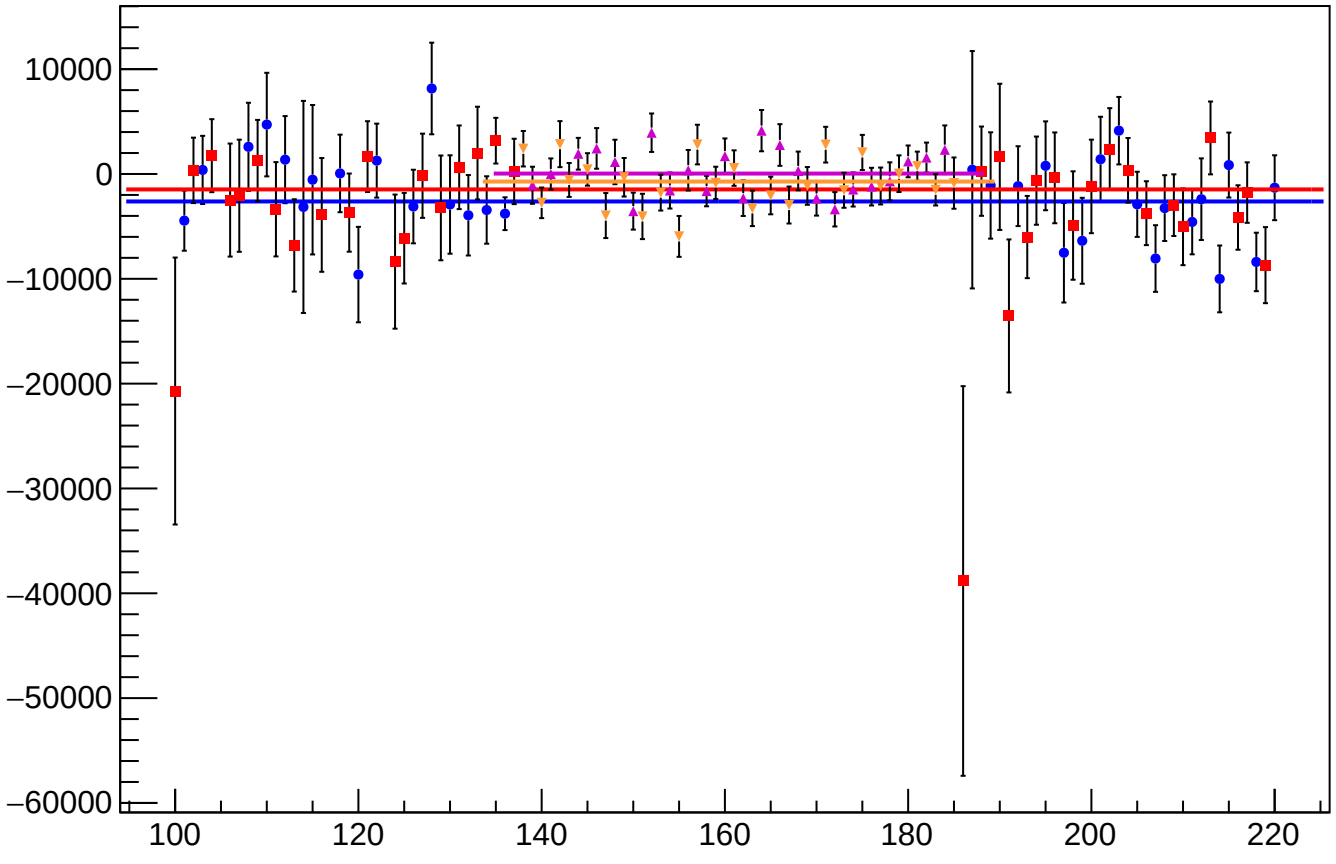
Right Out: 178.018+/-0.027 χ^2/NDF: 707560.0/36

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

\+ sign 186.004+/-0.021 χ^2/NDF: 1063438.0/57

All: 186.691+/-0.015 χ^2/NDF: 2245954.8/117

\- sign 187.400+/-0.021 χ^2/NDF: 1180304.3/59



Right In: -2621.594+/-608.856 χ^2/NDF: 39.7/32

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

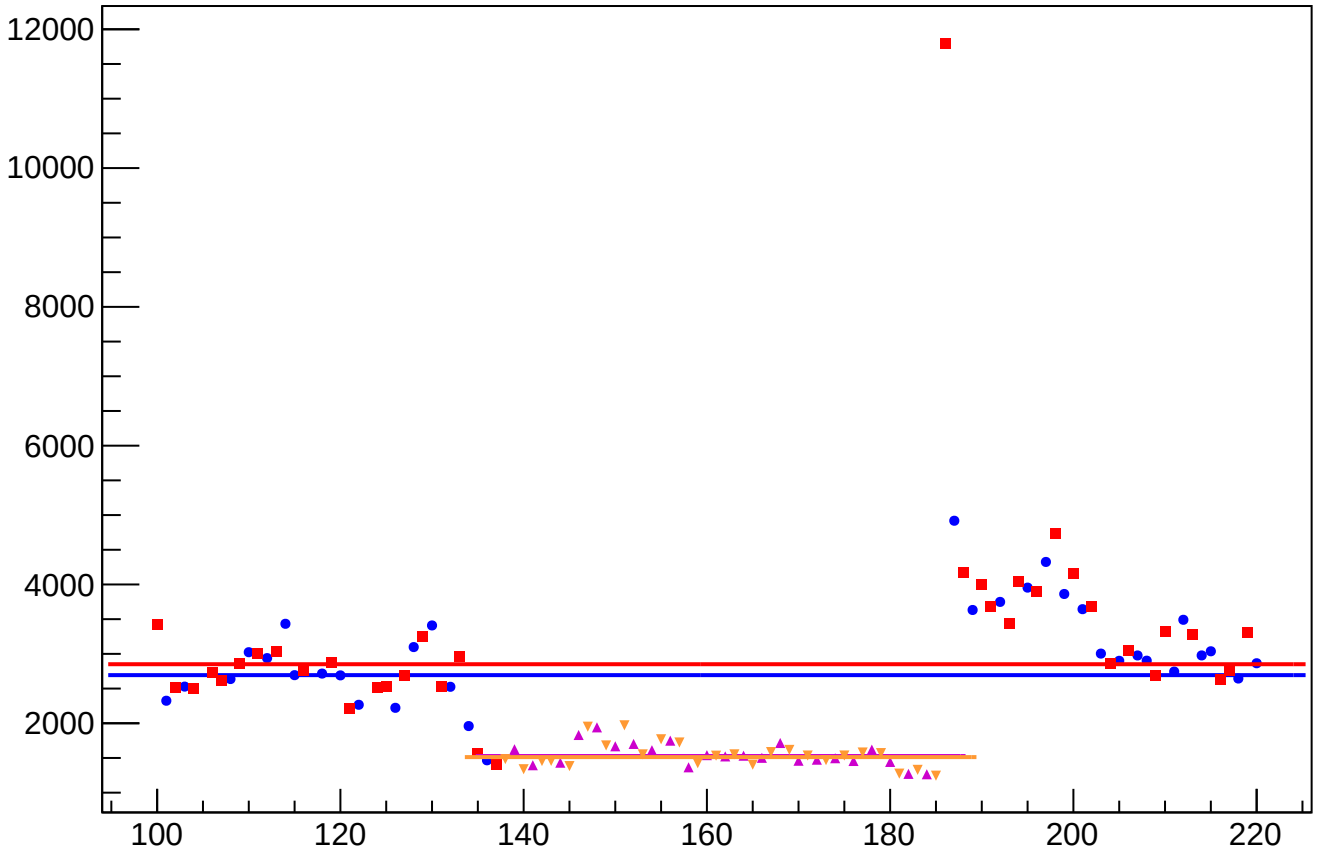
Right Out: -1472.157+/-639.870 χ^2/NDF: 34.2/36

Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -1185.490+/-301.066 χ^2/NDF: 85.3/57

All: -771.360+/-217.071 χ^2/NDF: 162.1/117

- sign -322.992+/-313.265 χ^2/NDF: 72.9/59



Right In: 2693.577+/-0.431 χ^2/NDF: 2702546.1/32

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2850.835+/-0.452 χ^2/NDF: 3019014.5/36

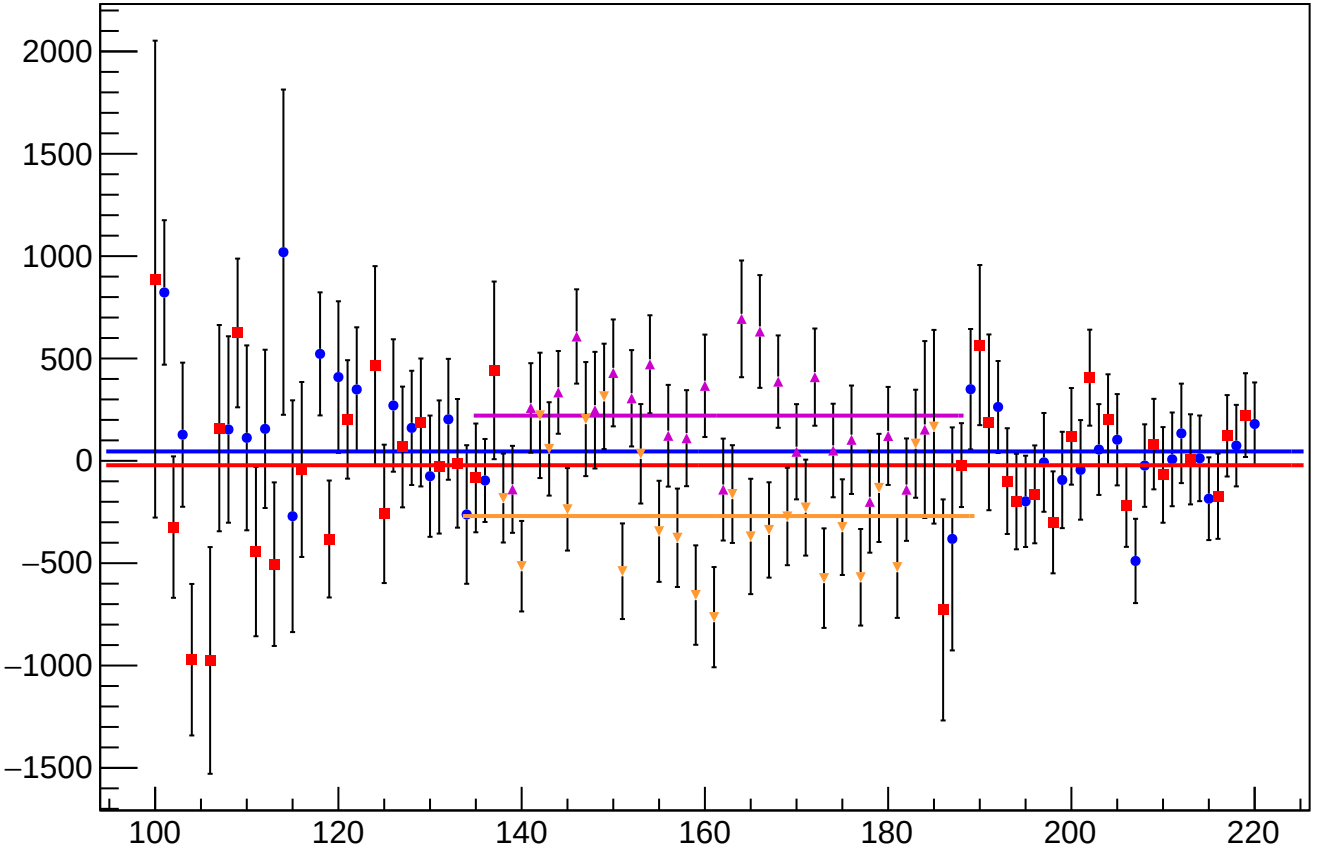
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1801.182+/-0.213 χ^2/NDF: 8832141.1/57

All: 1822.238+/-0.153 χ^2/NDF: 18744789.8/1

- sign 1845.036+/-0.222 χ^2/NDF: 9892273.8/59

dit_asym_sam_26_dd_mean vs Slug



Right In: 45.911+/-45.971 χ^2/NDF: 27.0/32

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -21.498+/-46.334 χ^2/NDF: 37.1/36

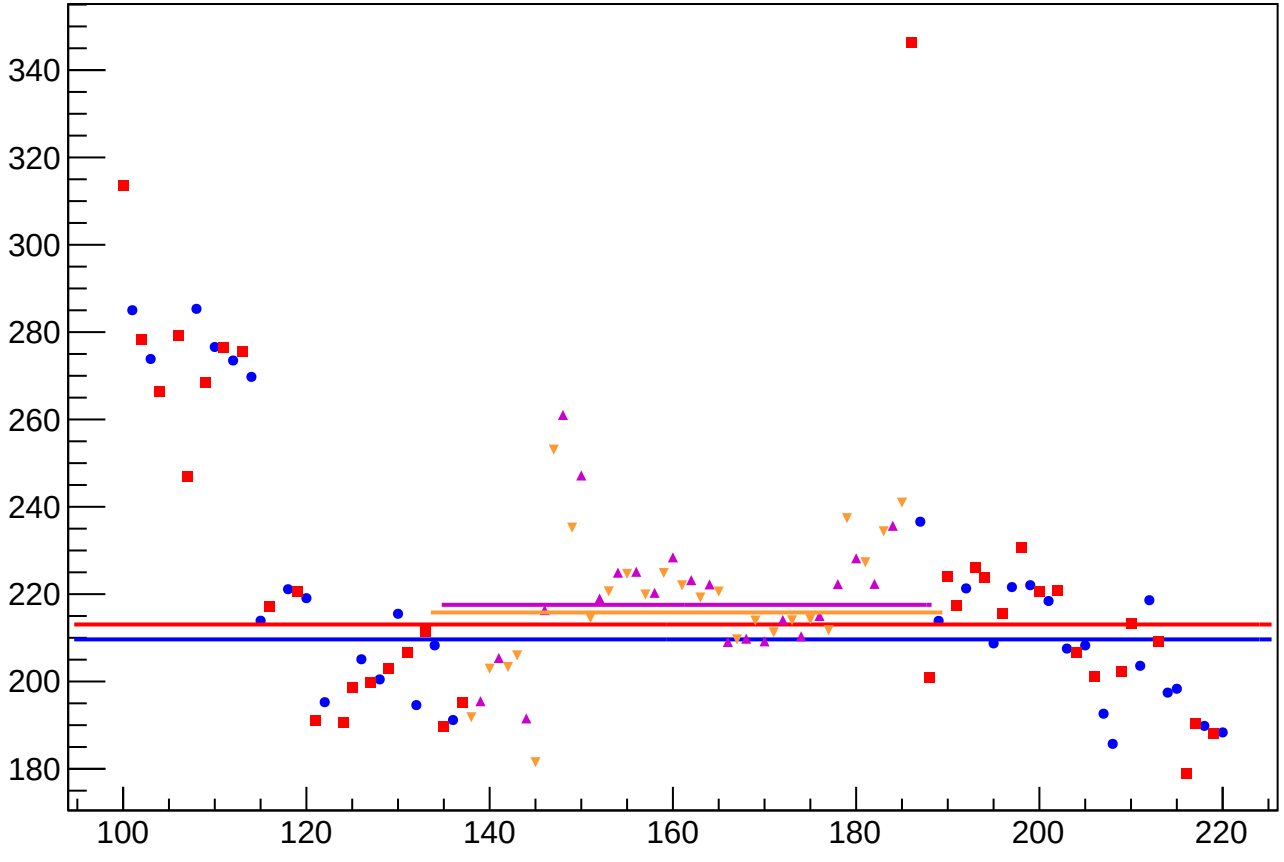
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -101.324+/-33.576 χ^2/NDF: 80.5/57

All: -8.517+/-23.987 χ^2/NDF: 168.9/117

- sign 88.223+/-34.281 χ^2/NDF: 72.8/59

dit_asym_sam_26_dd_rms vs Slug



Right In: 209.641+/-0.033 χ^2/NDF: 481889.8/32

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 213.055+/-0.033 χ^2/NDF: 631983.6/36

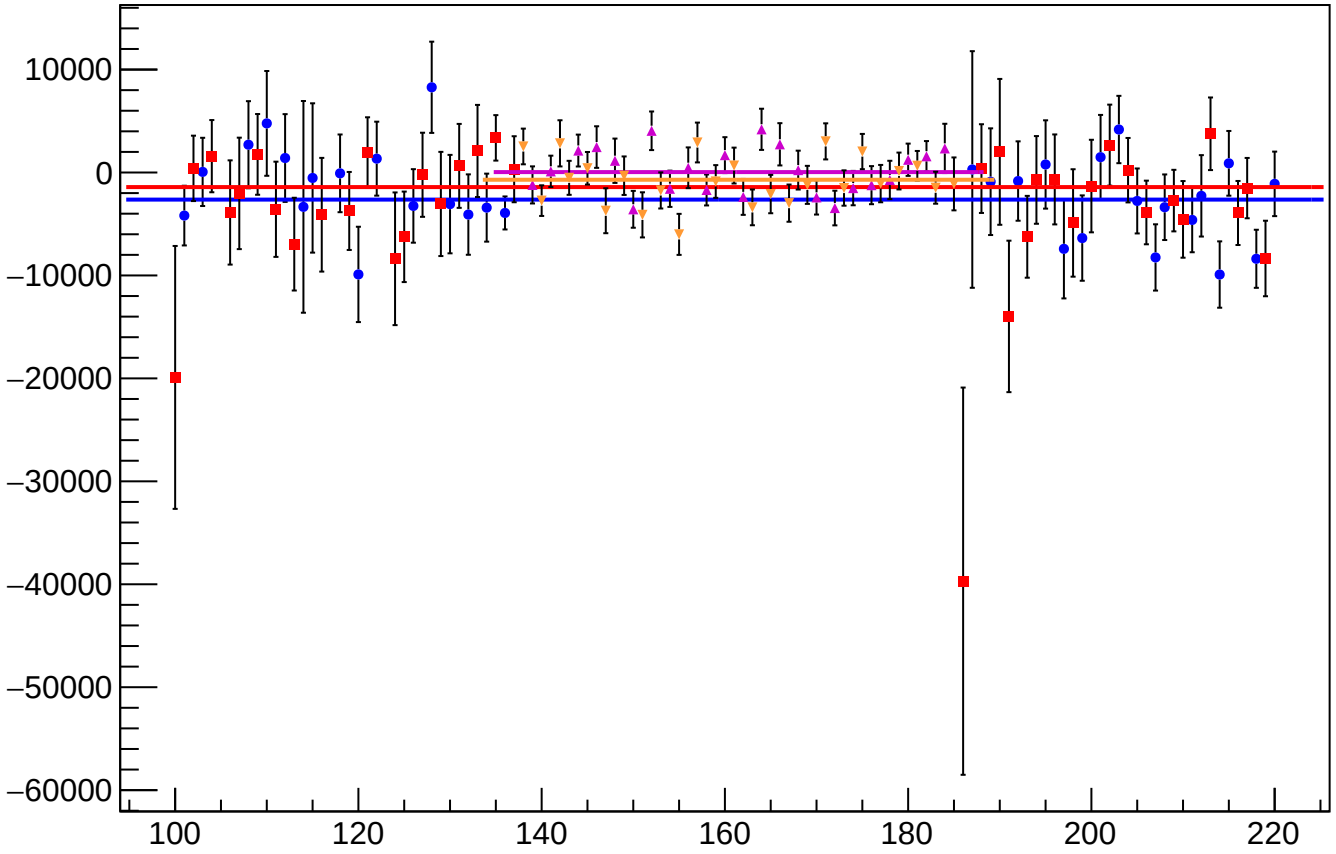
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 212.518+/-0.024 χ^2/NDF: 687371.0/57

All: 213.778+/-0.017 χ^2/NDF: 1494713.4/117

- sign 215.091+/-0.024 χ^2/NDF: 801588.6/59

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -2632.151+/-619.251 χ^2/NDF: 39.2/32

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1416.346+/-648.612 χ^2/NDF: 34.5/36

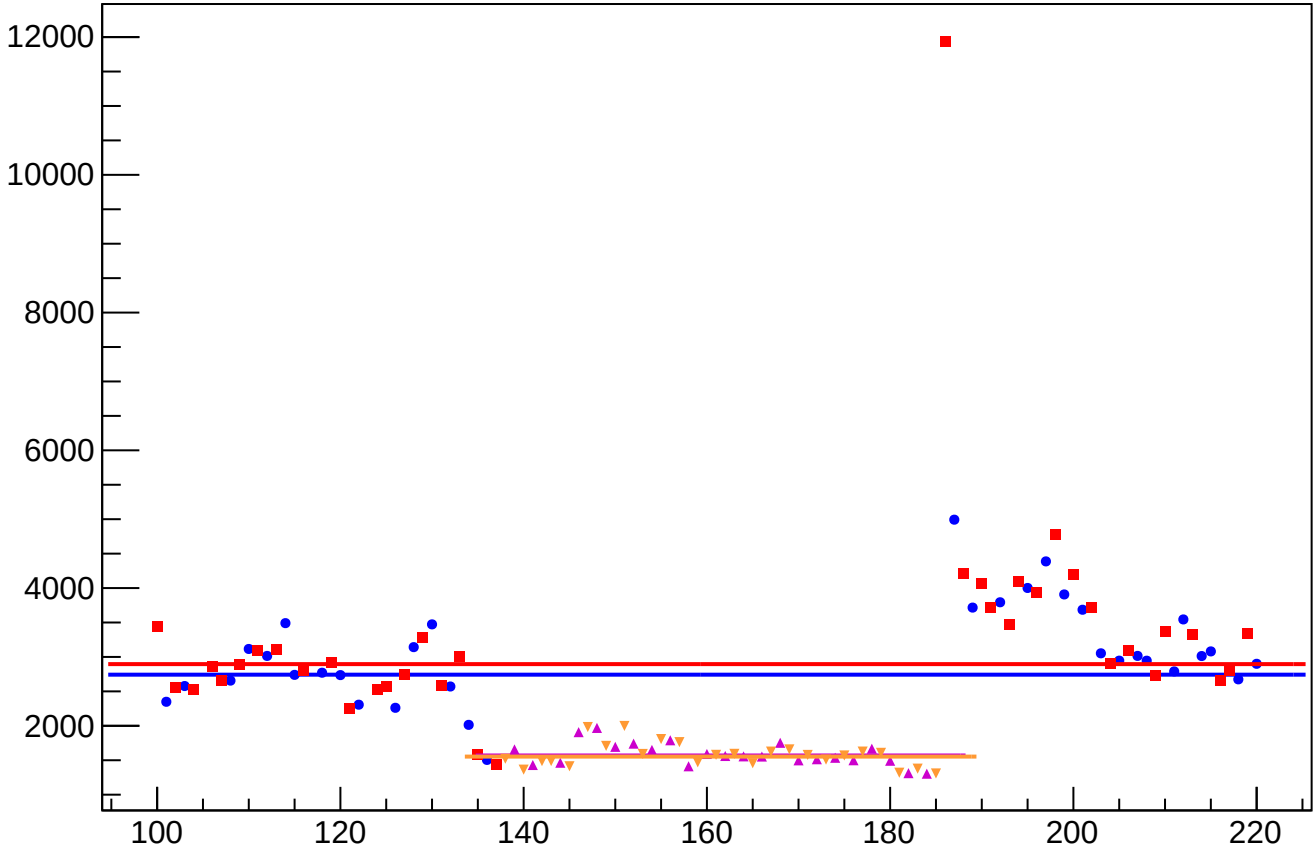
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -1181.875+/-308.283 χ^2/NDF: 84.1/57

All: -766.037+/-222.231 χ^2/NDF: 160.5/117

- sign -316.175+/-320.646 χ^2/NDF: 72.6/59

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2742.443+/-0.438 χ^2/NDF: 2633200.2/32

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2895.823+/-0.459 χ^2/NDF: 2976730.2/36

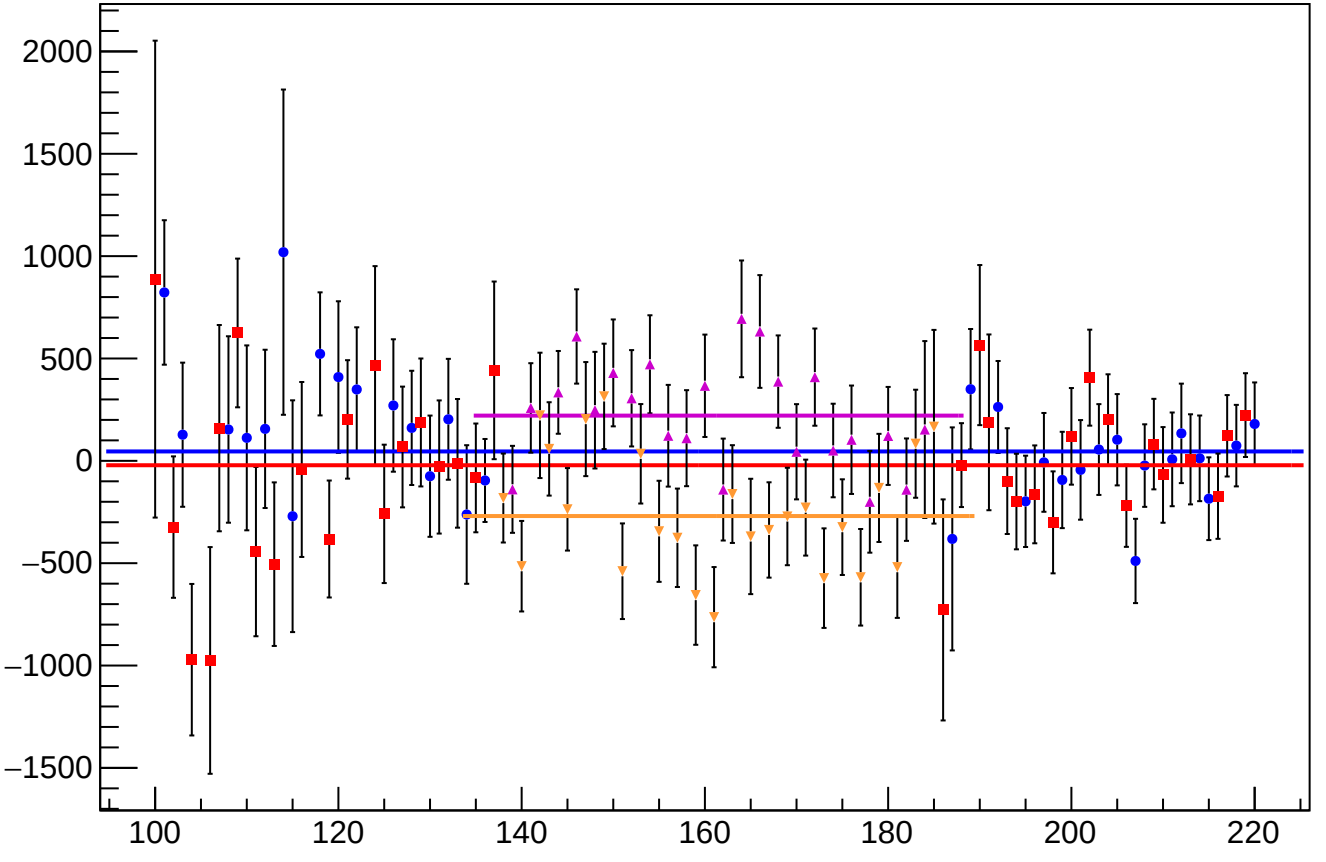
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1847.802+/-0.218 χ^2/NDF: 8592998.3/57

All: 1869.778+/-0.157 χ^2/NDF: 18268599.9/1

- sign 1893.551+/-0.227 χ^2/NDF: 9654444.2/59

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 45.916+/-45.971 χ^2/NDF: 27.0/32

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -21.496+/-46.334 χ^2/NDF: 37.1/36

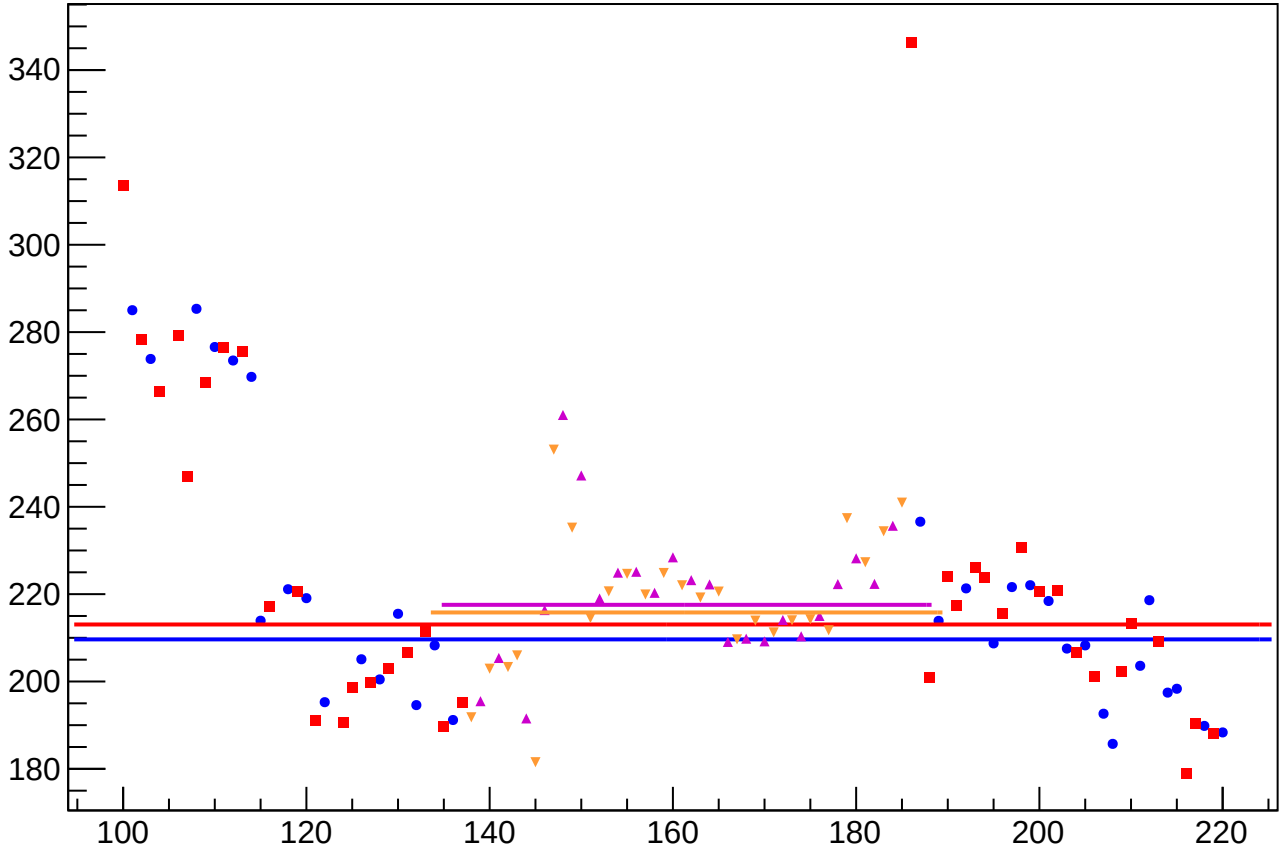
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -101.322+/-33.576 χ^2/NDF: 80.5/57

All: -8.515+/-23.987 χ^2/NDF: 168.9/117

- sign 88.225+/-34.281 χ^2/NDF: 72.8/59

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 209.641+/-0.033 χ^2/NDF: 481880.2/32

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

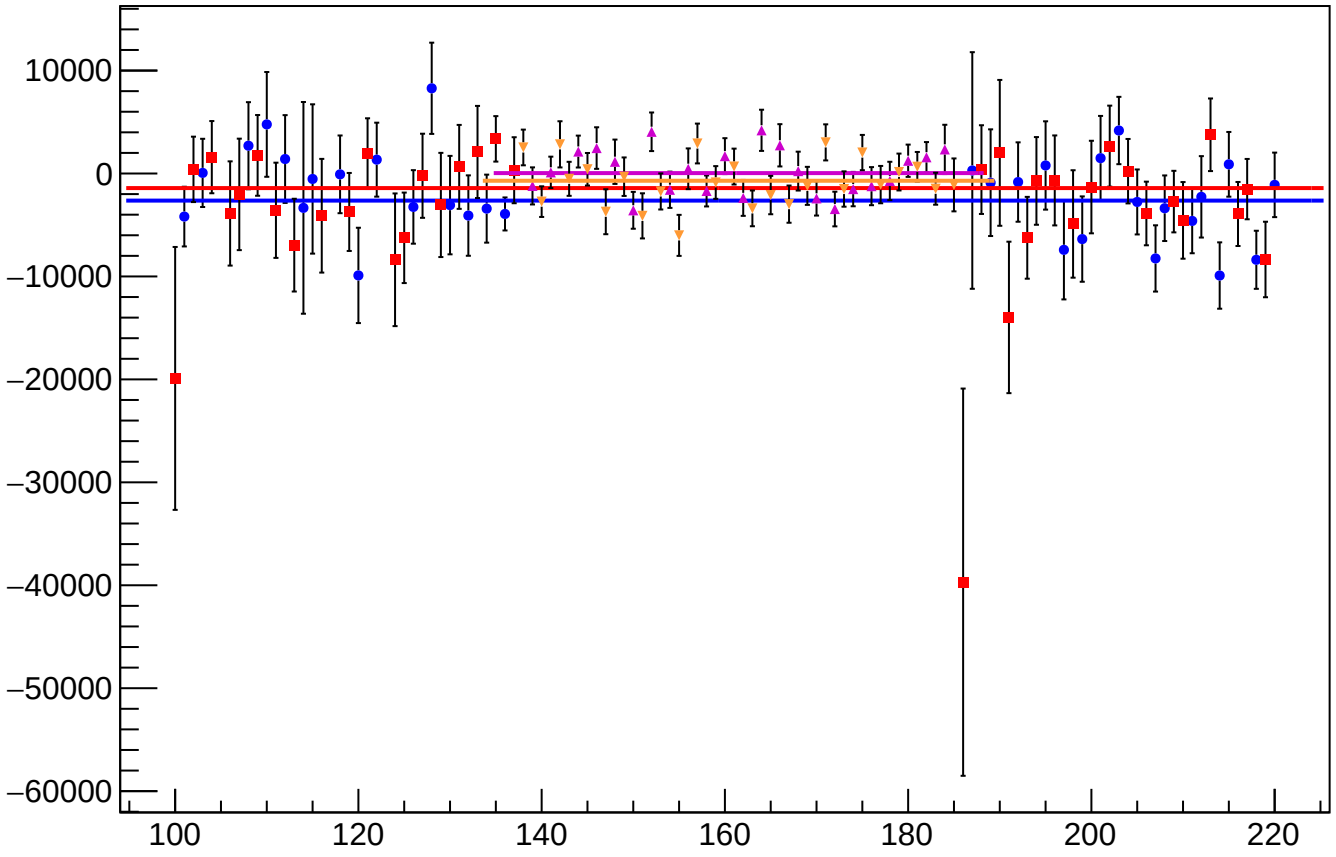
Right Out: 213.054+/-0.033 χ^2/NDF: 631962.2/36

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 212.517+/-0.024 χ^2/NDF: 687367.3/57

All: 213.778+/-0.017 χ^2/NDF: 1494691.2/117

- sign 215.091+/-0.024 χ^2/NDF: 801570.1/59



Right In: -2632.148+/-619.250 χ^2/NDF: 39.2/32

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1416.343+/-648.611 χ^2/NDF: 34.5/36

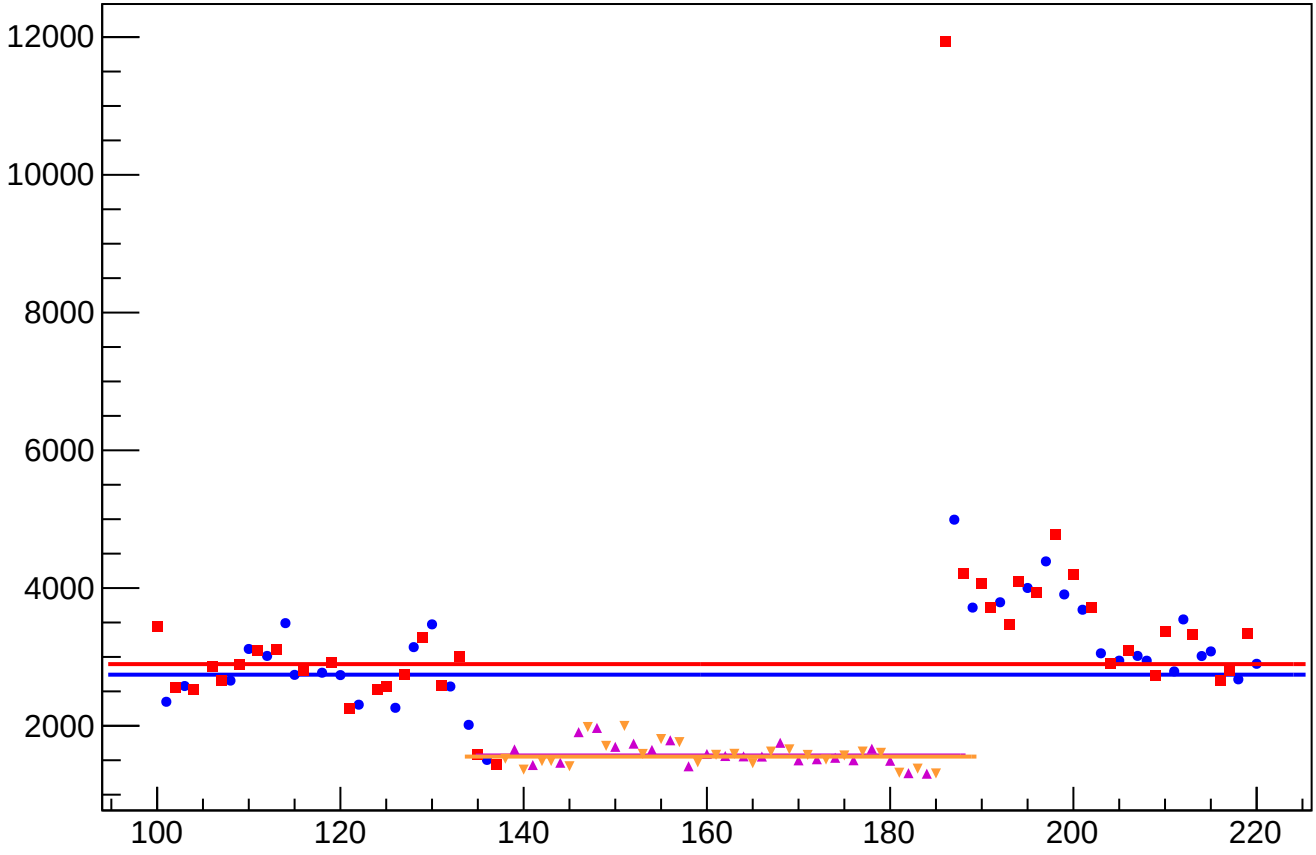
Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -1181.876+/-308.283 χ^2/NDF: 84.1/57

All: -766.037+/-222.231 χ^2/NDF: 160.5/117

- sign -316.175+/-320.646 χ^2/NDF: 72.6/59

asym_sam_26_dd_eigen_dit_correction_rms vs Slug



Right In: 2742.440+/-0.438 χ^2/NDF: 2633199.2/32

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2895.820+/-0.459 χ^2/NDF: 2976732.5/36

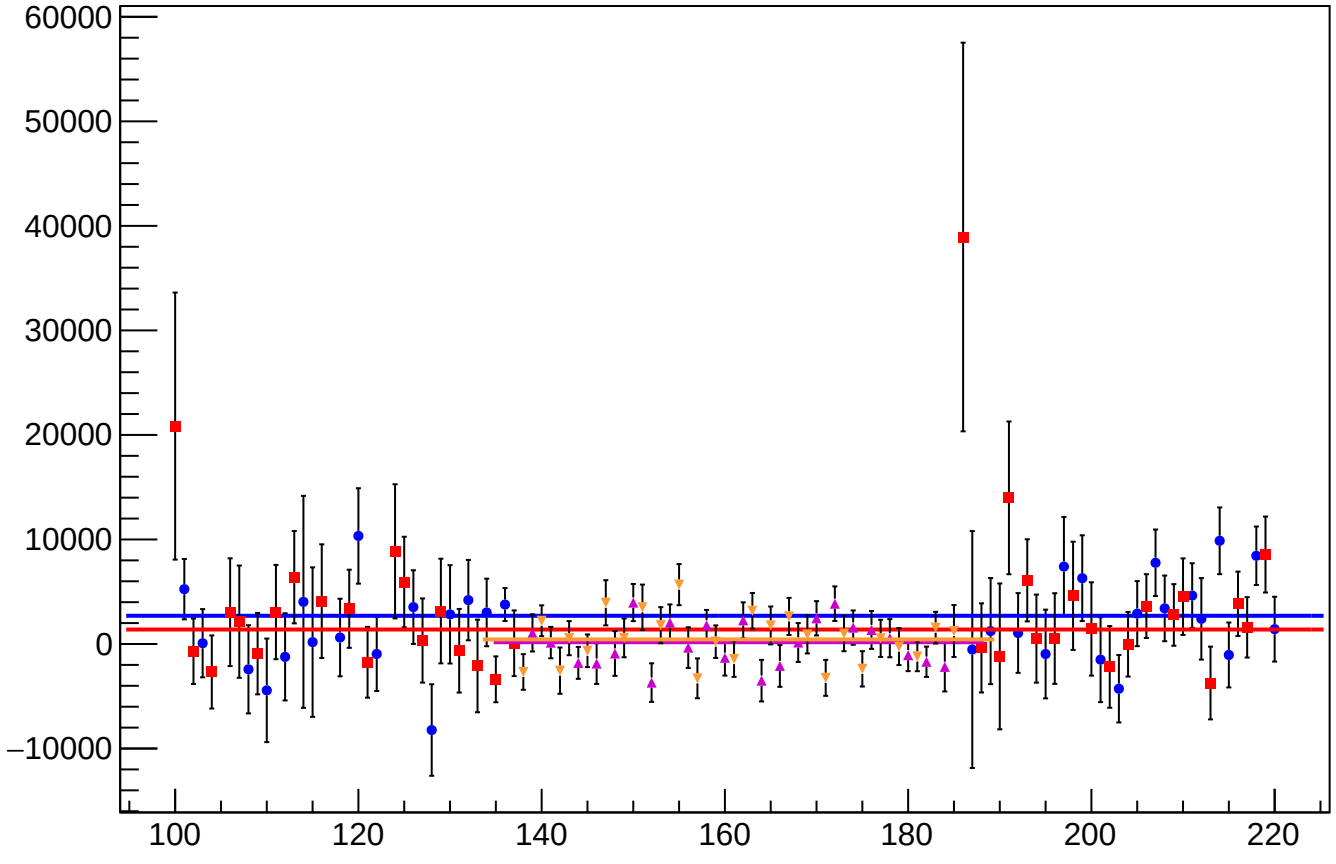
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1847.802+/-0.218 χ^2/NDF: 8592982.2/57

All: 1869.778+/-0.157 χ^2/NDF: 18268574.5/1

- sign 1893.551+/-0.227 χ^2/NDF: 9654435.3/59

asym_sam_26_dd_mean vs Slug



Right In: 2698.789+/-610.797 χ^2/NDF: 39.6/32

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 1384.795+/-641.169 χ^2/NDF: 34.3/36

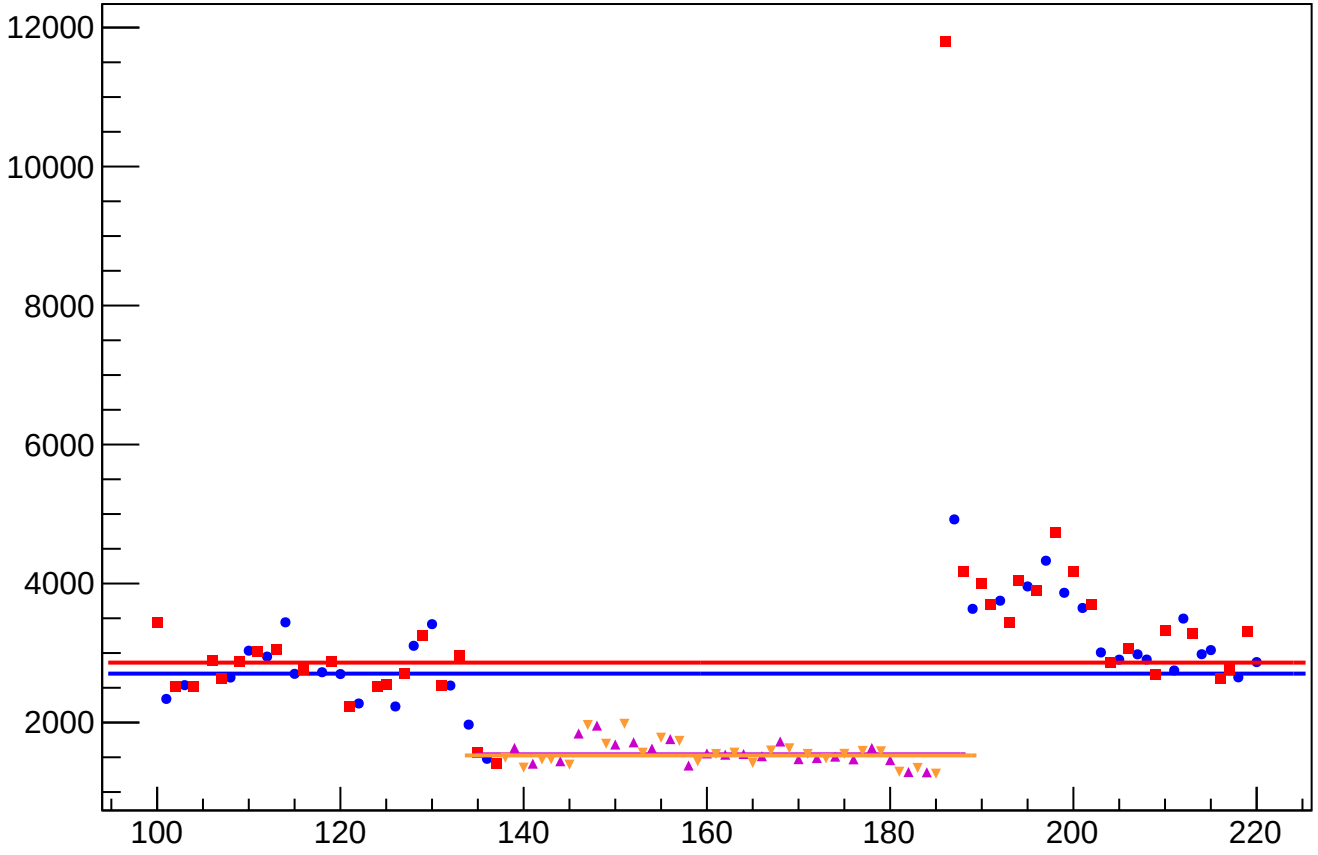
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

+ sign 995.475+/-303.403 χ^2/NDF: 88.8/57

All: 740.285+/-218.720 χ^2/NDF: 160.3/117

- sign 464.180+/-315.591 χ^2/NDF: 70.1/59

asym_sam_26_dd_rms vs Slug



Right In: 2703.697+/-0.432 χ^2/NDF: 2660372.4/32

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

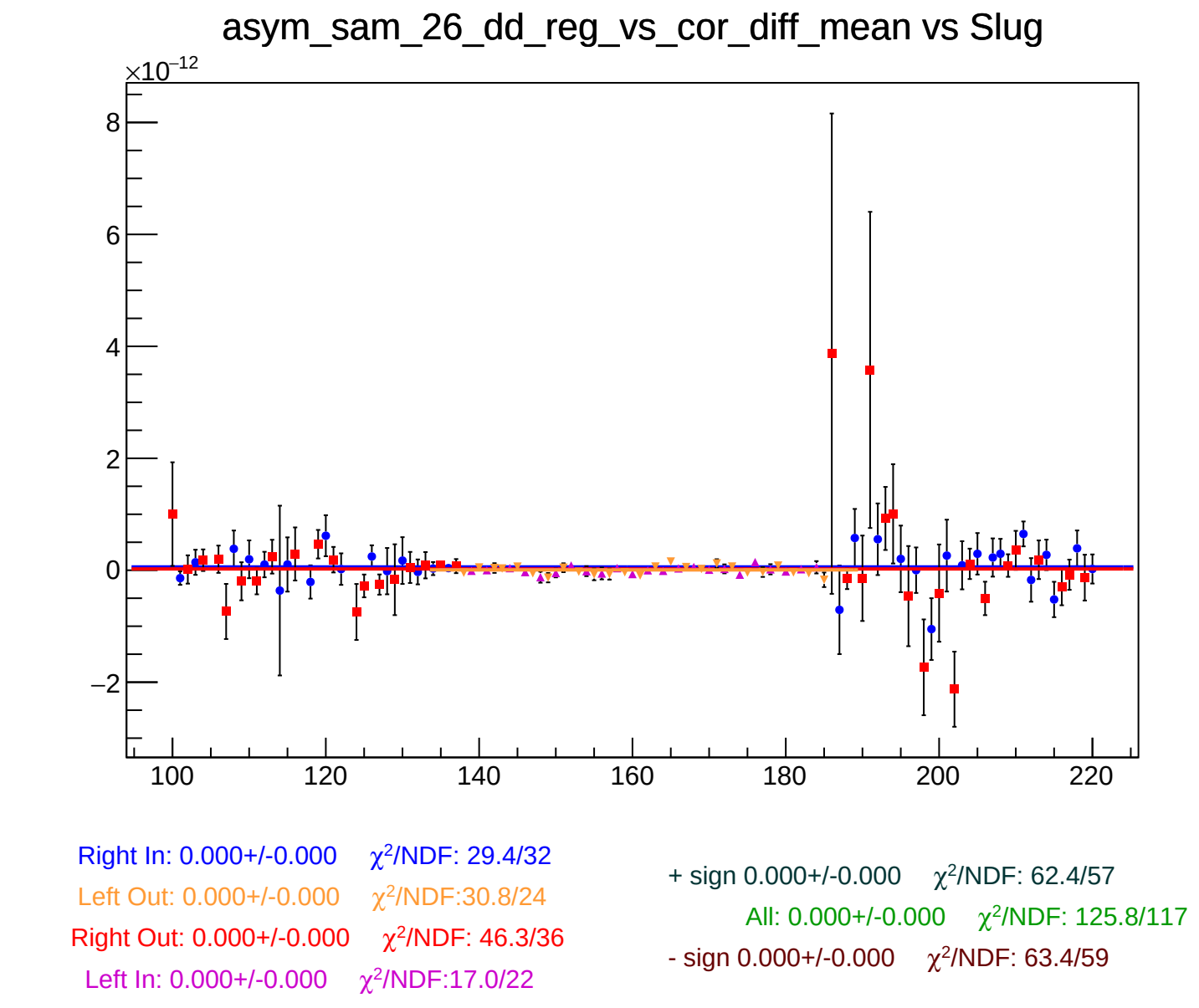
Right Out: 2862.087+/-0.453 χ^2/NDF: 2984715.5/36

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

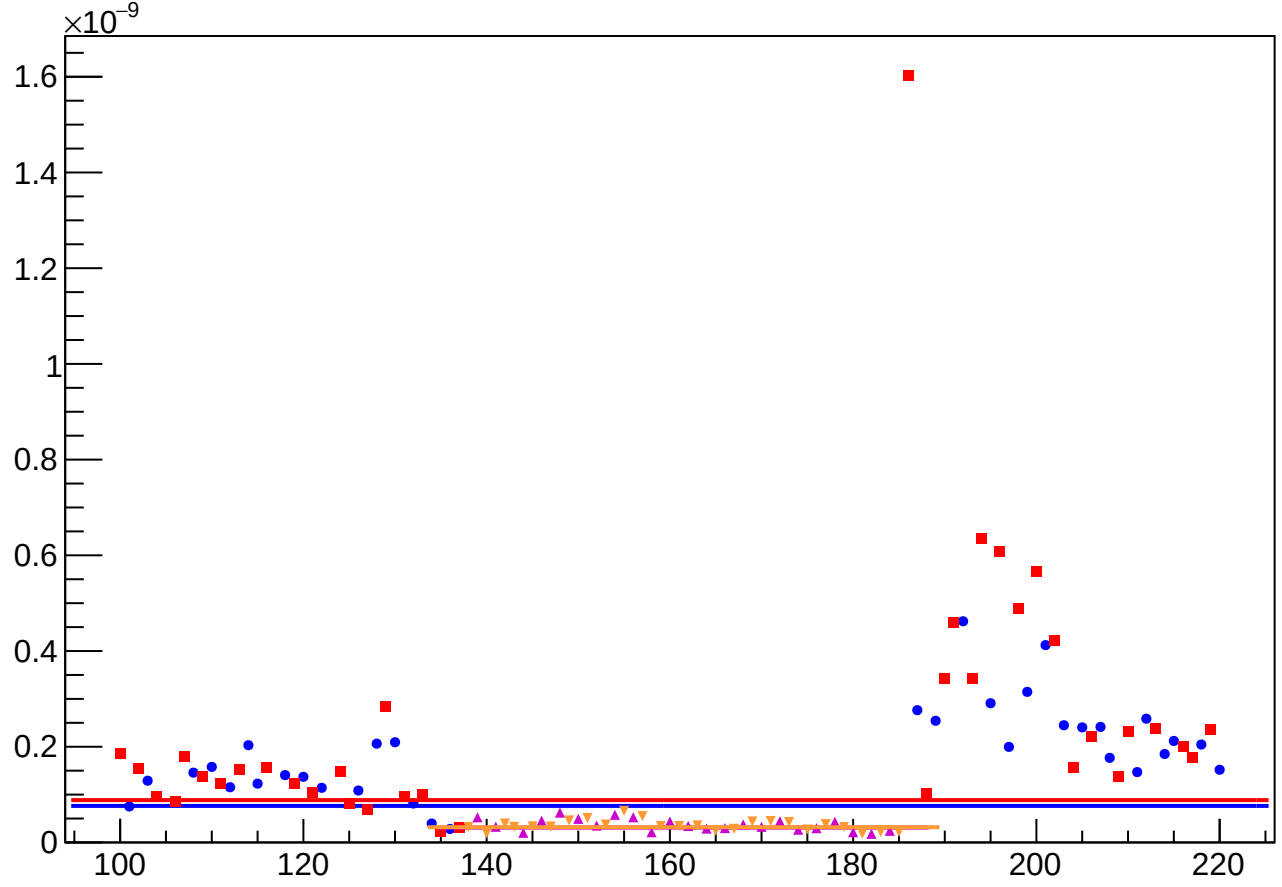
+ sign 1817.136+/-0.215 χ^2/NDF: 8683695.8/57

All: 1838.694+/-0.155 χ^2/NDF: 18473133.9/1

- sign 1862.019+/-0.223 χ^2/NDF: 9768415.1/59


asym_sam_26_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 29.4/32
Left Out: 0.000+/-0.000 χ²/NDF:30.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 46.3/36
Left In: 0.000+/-0.000 χ²/NDF:17.0/22
+ sign 0.000+/-0.000 χ²/NDF: 62.4/57
All: 0.000+/-0.000 χ²/NDF: 125.8/117
- sign 0.000+/-0.000 χ²/NDF: 63.4/59

asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9120606.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9125633.5/36

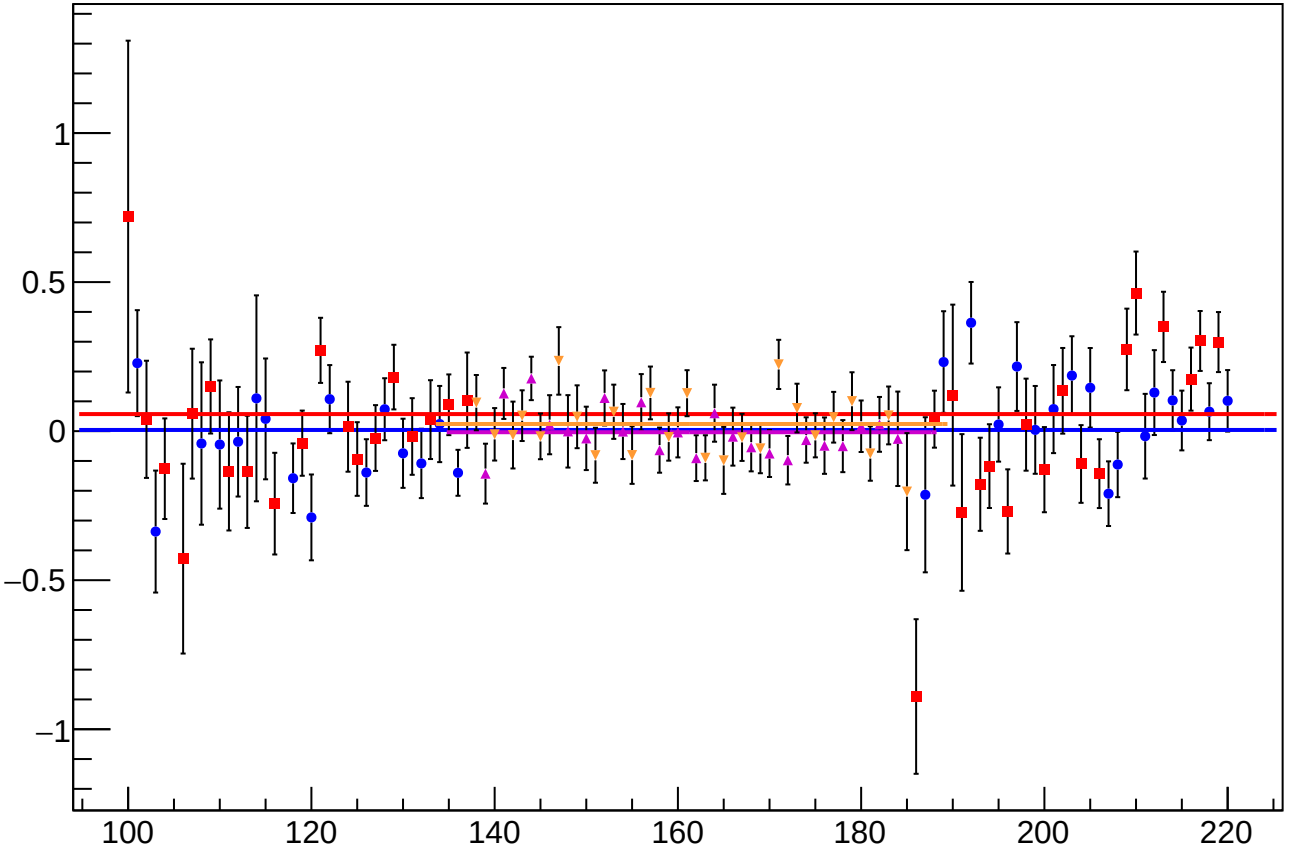
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13469658.2/57

All: 0.000+/-0.000 χ^2/NDF: 28180493.5/117

- sign 0.000+/-0.000 χ^2/NDF: 14709235.6/59

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.022 χ^2/NDF: 41.4/32

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: 0.057+/-0.023 χ^2/NDF: 79.8/36

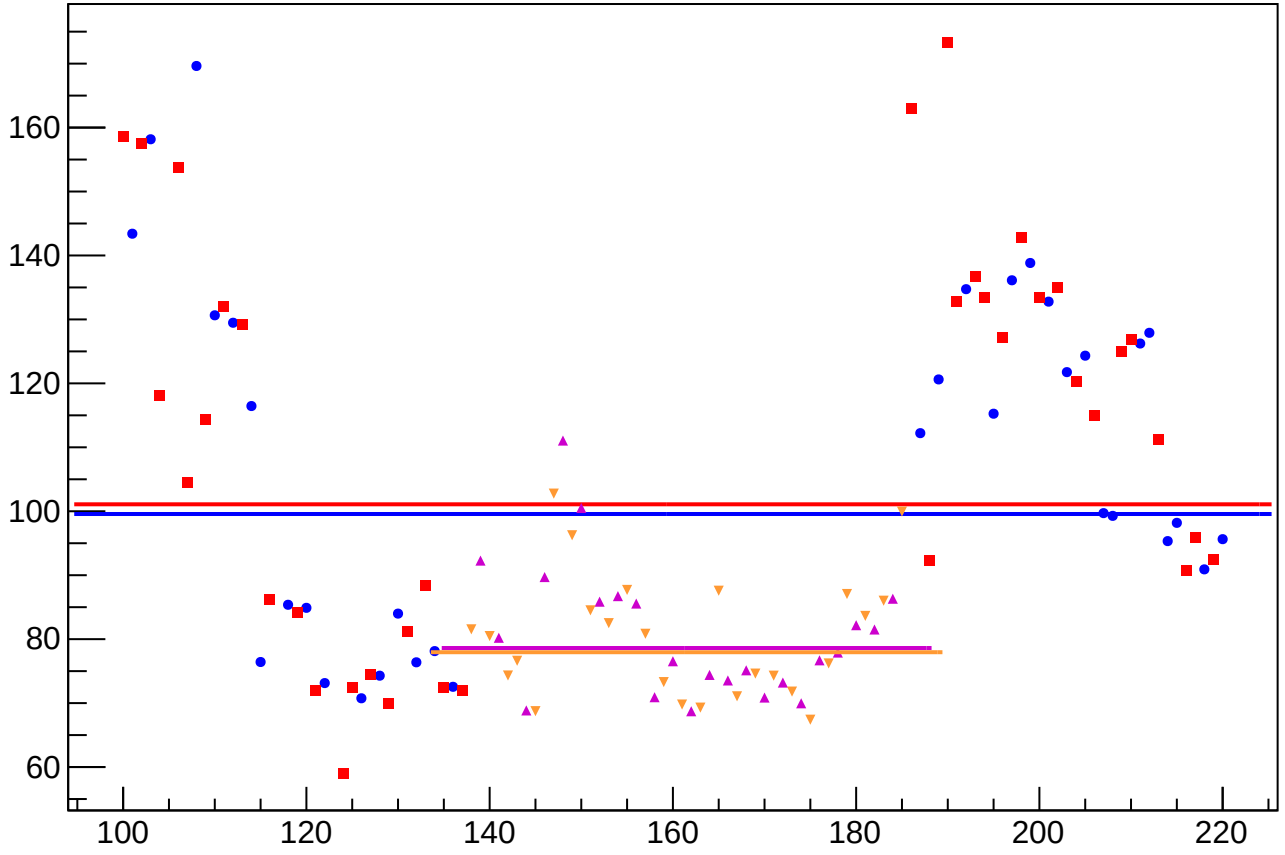
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.016+/-0.014 χ^2/NDF: 67.4/57

All: 0.018+/-0.010 χ^2/NDF: 170.4/117

- sign 0.021+/-0.014 χ^2/NDF: 102.9/59

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 99.570+/-0.016 χ^2/NDF: 2230486.1/32

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

Right Out: 101.088+/-0.016 χ^2/NDF: 2573537.0/36

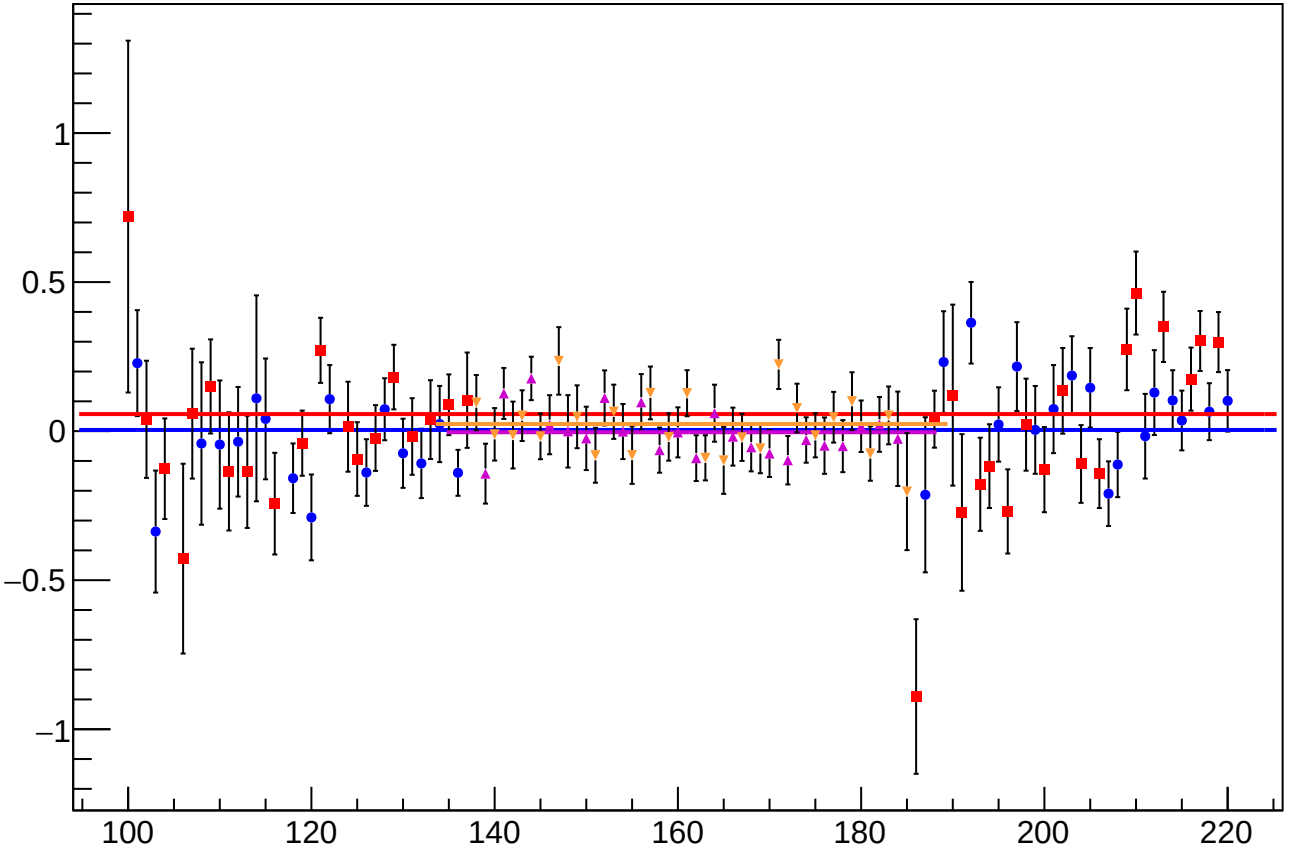
Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 86.339+/-0.010 χ^2/NDF: 3806580.4/57

All: 86.974+/-0.007 χ^2/NDF: 8063968.9/117

- sign 87.645+/-0.010 χ^2/NDF: 4248898.7/59

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.004+/-0.022 χ^2/NDF: 41.4/32

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

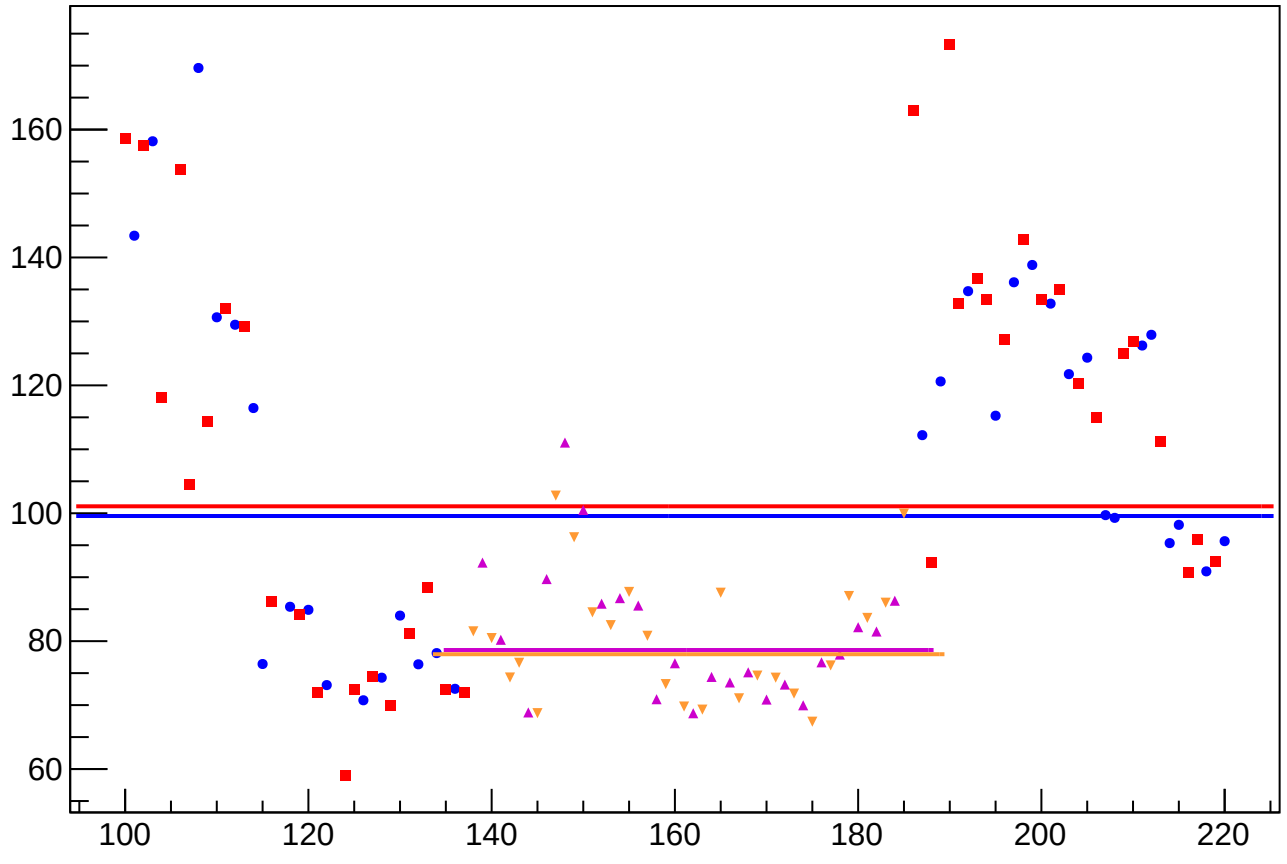
Right Out: 0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.016+/-0.014 χ^2/NDF: 67.4/57

All: 0.018+/-0.010 χ^2/NDF: 170.4/117

- sign 0.021+/-0.014 χ^2/NDF: 102.9/59



Right In: 99.570+/-0.016 χ^2/NDF: 2230486.1/32

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

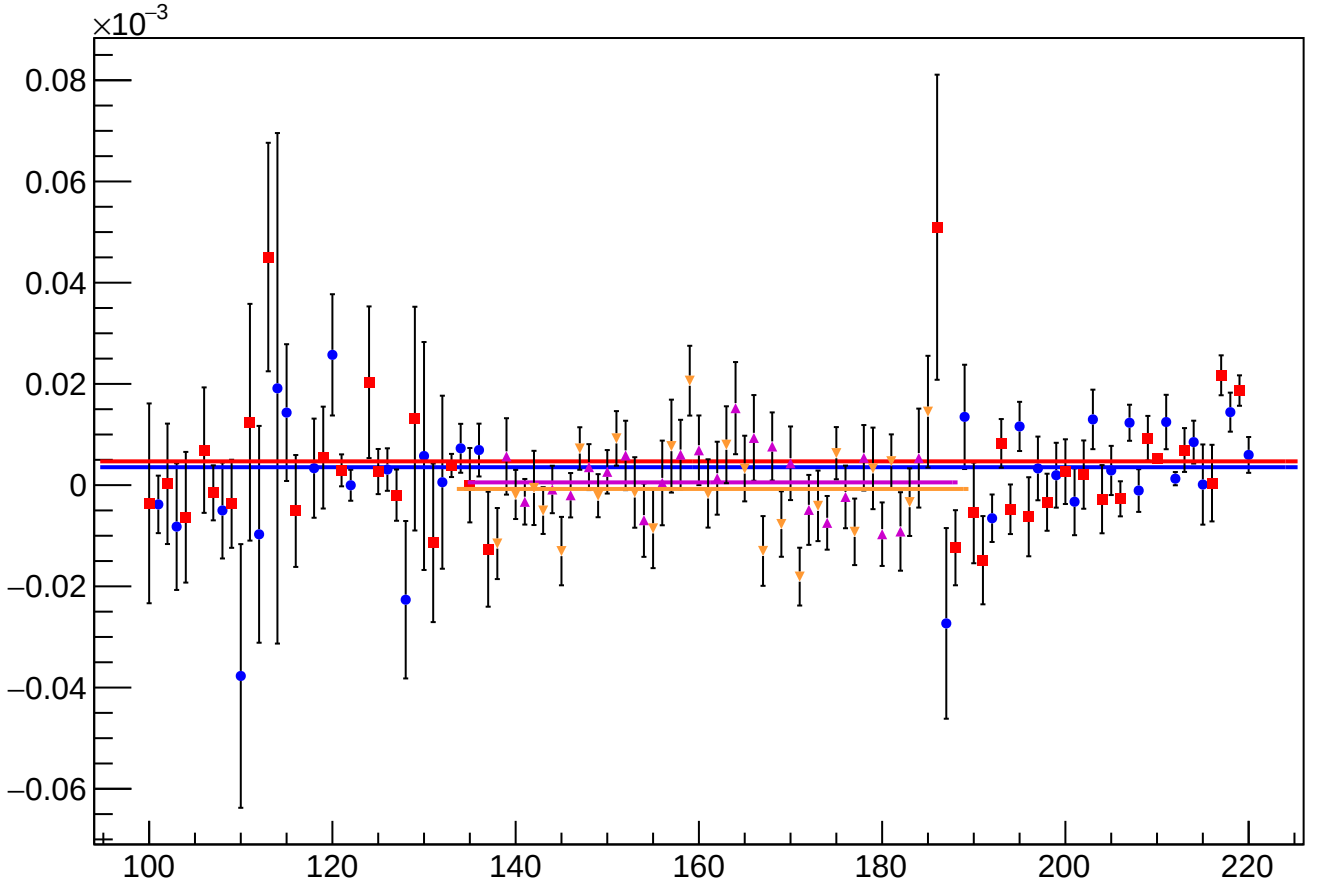
Right Out: 101.088+/-0.016 χ^2/NDF: 2573537.0/36

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 86.339+/-0.010 χ^2/NDF: 3806580.4/57

All: 86.974+/-0.007 χ^2/NDF: 8063968.9/117

- sign 87.645+/-0.010 χ^2/NDF: 4248898.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 53.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 85.1/36

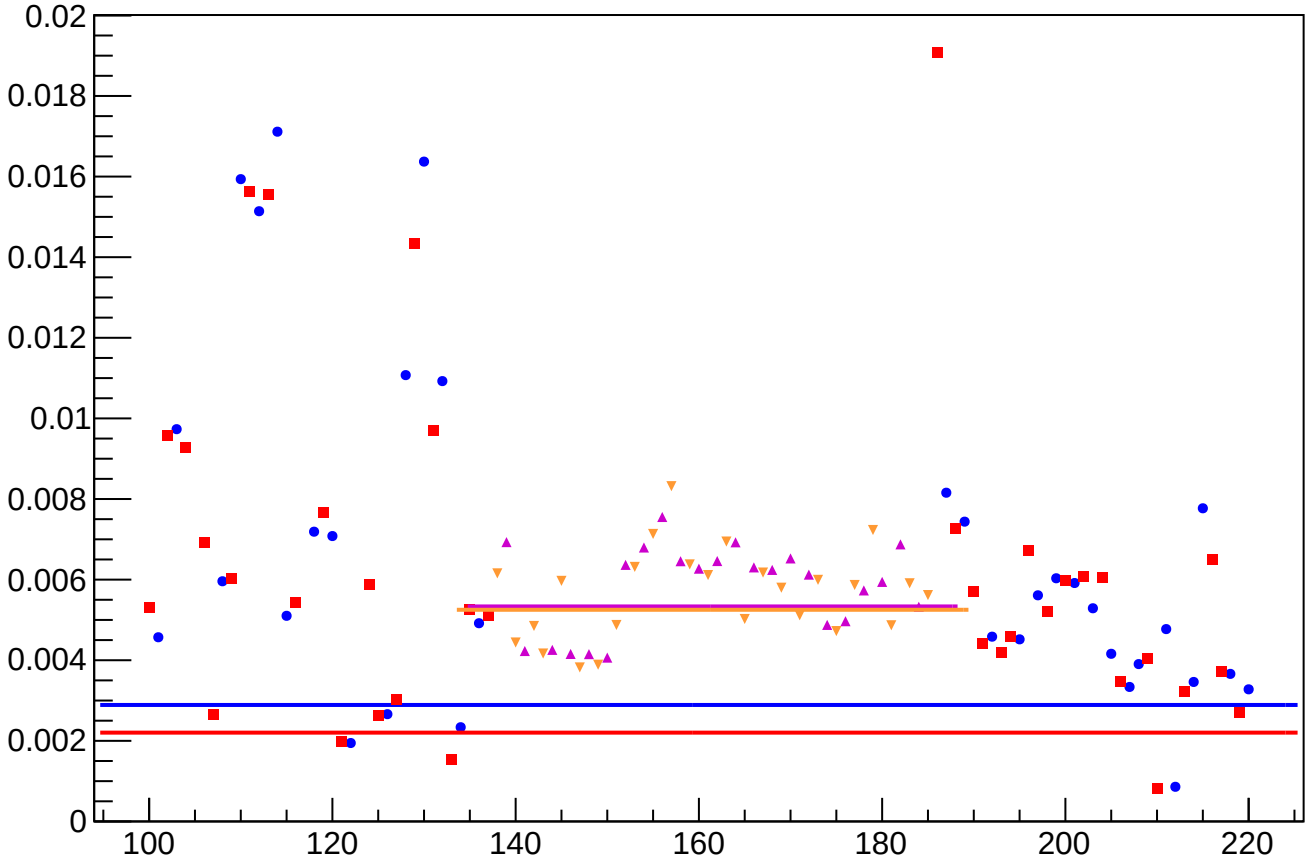
Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 109.6/57

All: 0.000+/-0.000 χ^2/NDF: 224.8/117

- sign 0.000+/-0.000 χ^2/NDF: 112.0/59

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 14092200.9/32

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

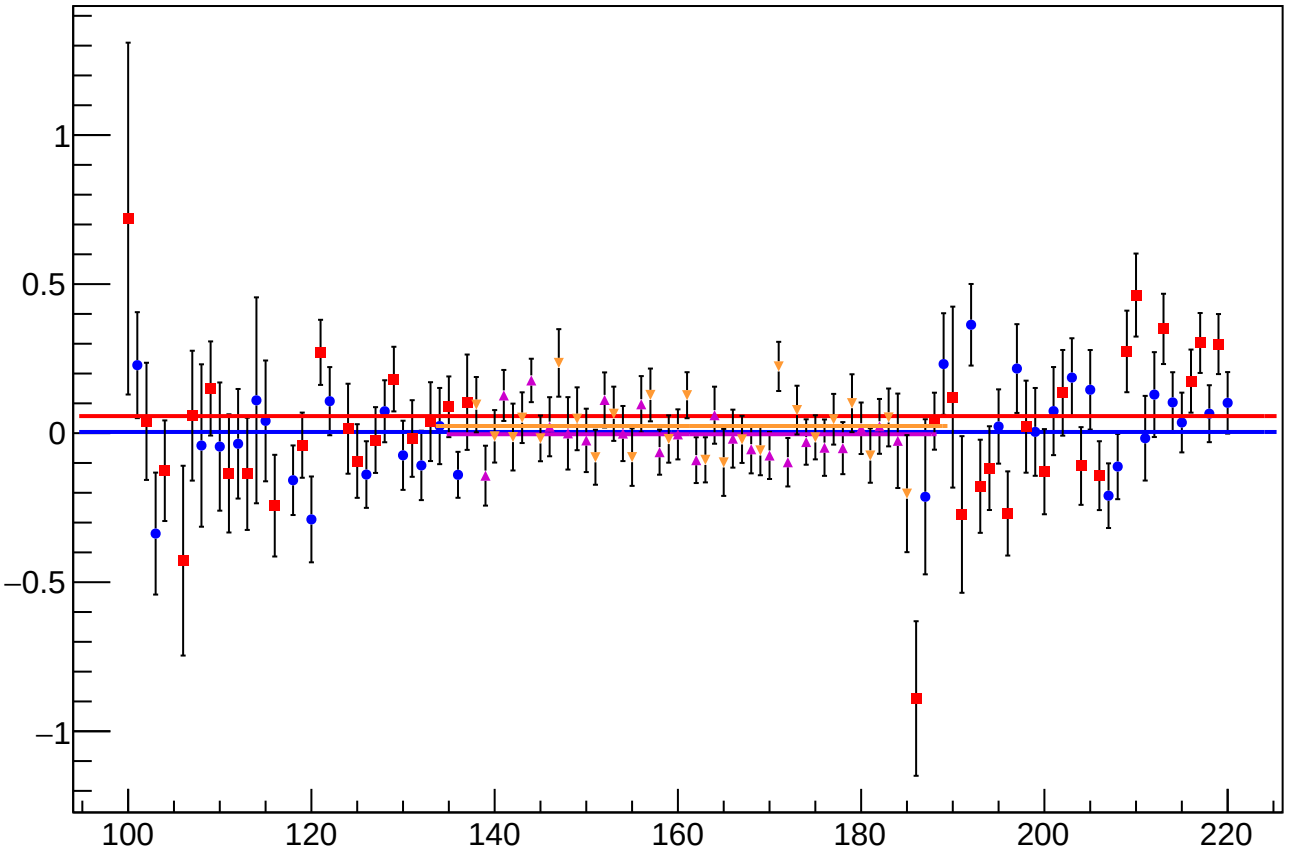
Right Out: 0.002+/-0.000 χ^2/NDF: 18466965.3/36

Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 20801273.9/57

All: 0.003+/-0.000 χ^2/NDF: 51652193.0/117

- sign 0.003+/-0.000 χ^2/NDF: 29438244.4/59



Right In: 0.004+/-0.022 χ^2/NDF: 41.4/32

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

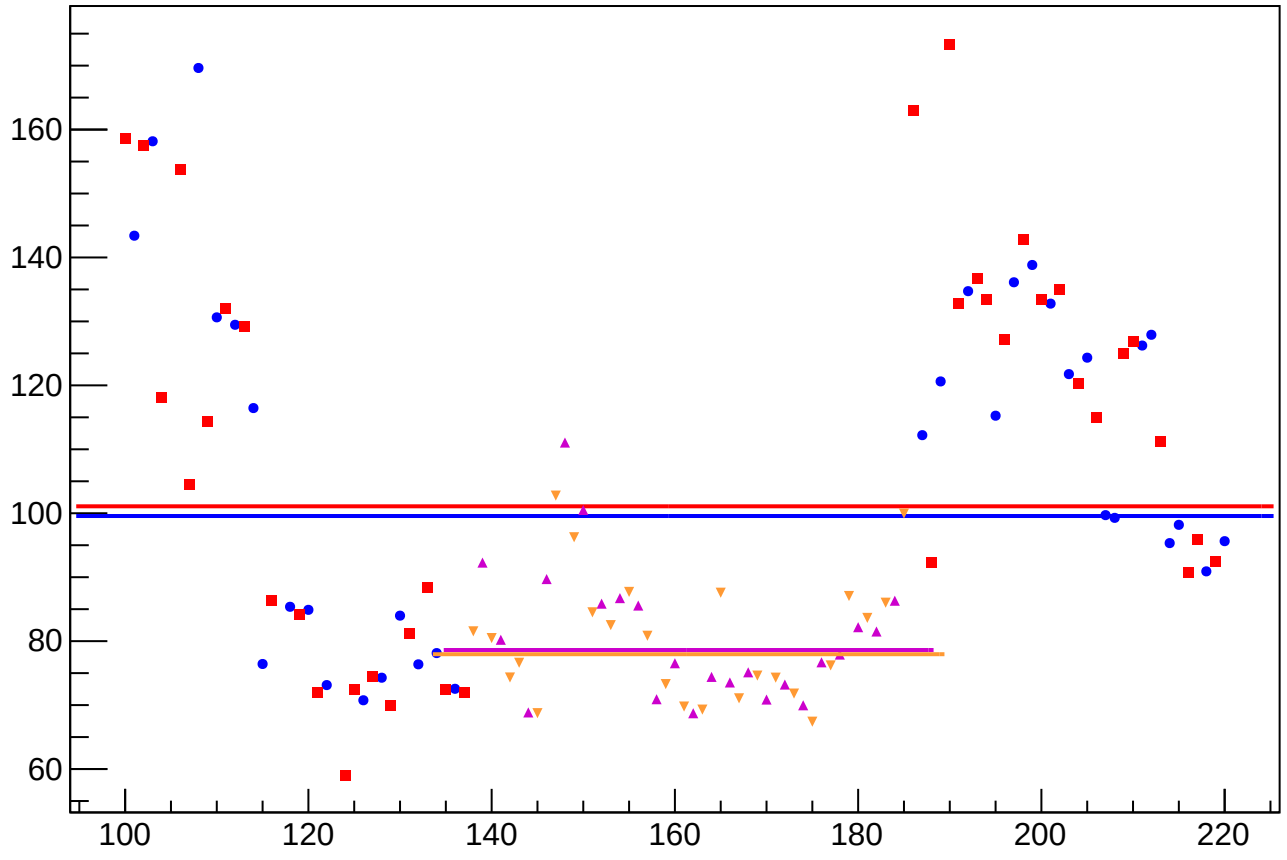
Right Out: 0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.016+/-0.014 χ^2/NDF: 67.4/57

All: 0.018+/-0.010 χ^2/NDF: 170.4/117

- sign 0.021+/-0.014 χ^2/NDF: 102.9/59



Right In: 99.568+/-0.016 χ^2/NDF: 2230620.6/32

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

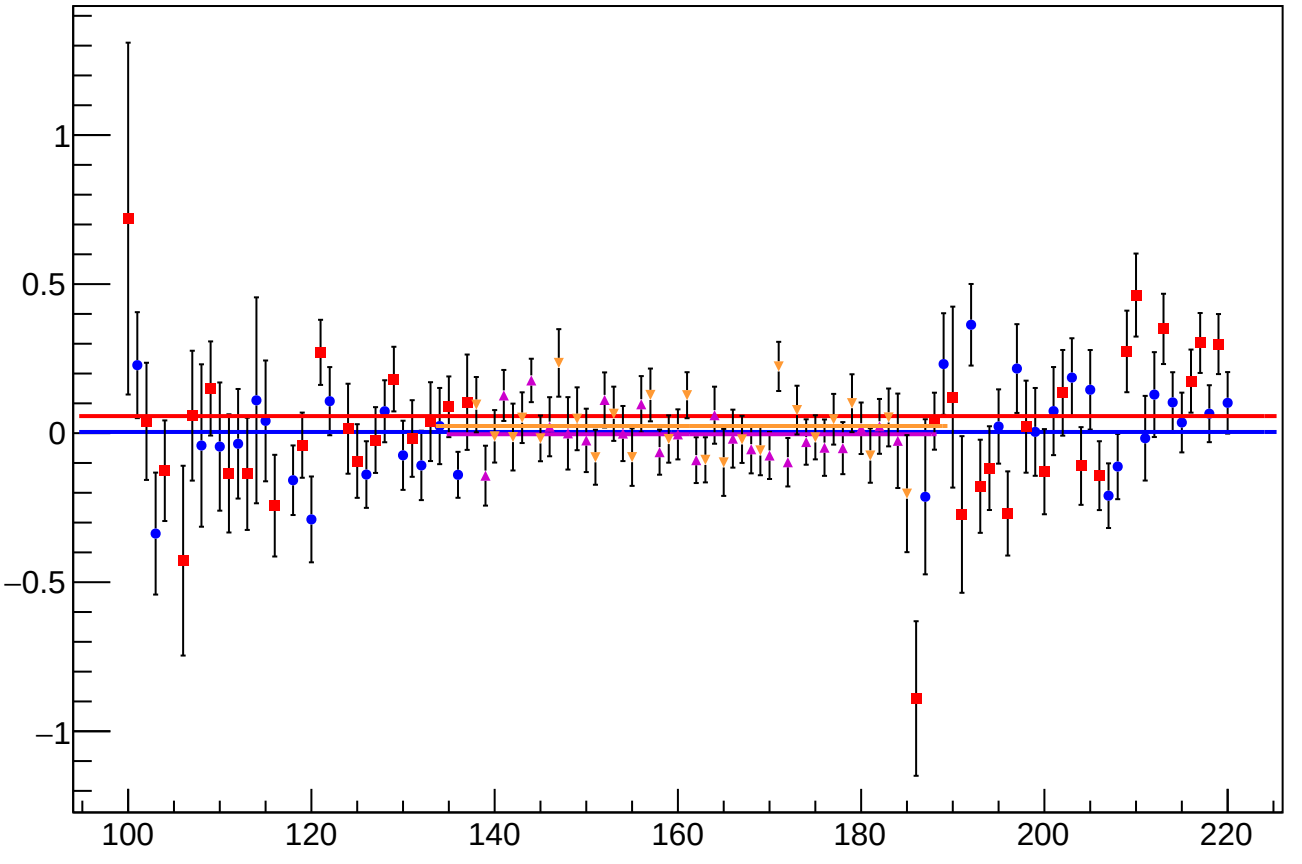
Right Out: 101.086+/-0.016 χ^2/NDF: 2573644.7/36

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 86.339+/-0.010 χ^2/NDF: 3806648.2/57

All: 86.973+/-0.007 χ^2/NDF: 8064126.2/117

- sign 87.644+/-0.010 χ^2/NDF: 4248990.1/59



Right In: 0.004+/-0.022 χ^2/NDF: 41.4/32

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

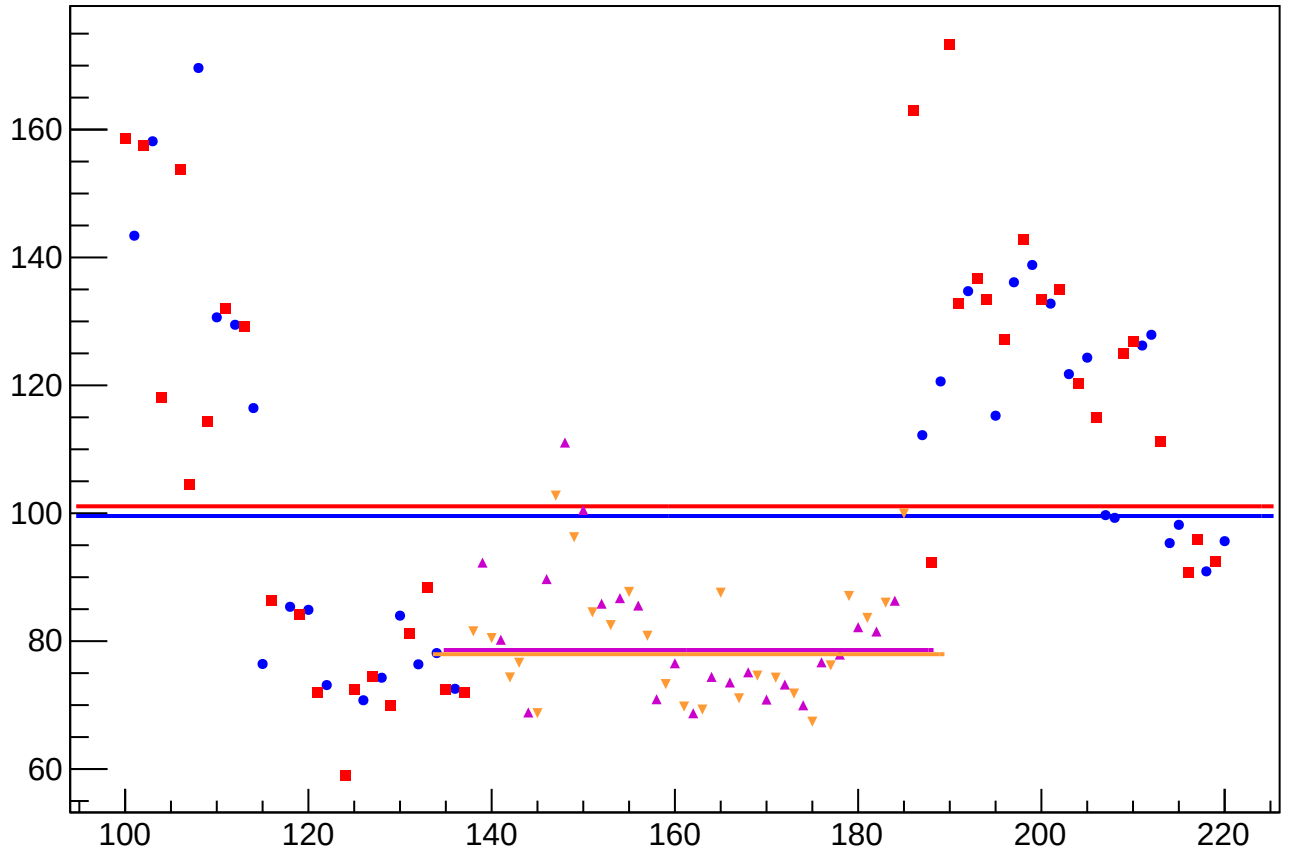
Right Out: 0.057+/-0.023 χ^2/NDF: 79.8/36

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.016+/-0.014 χ^2/NDF: 67.4/57

All: 0.018+/-0.010 χ^2/NDF: 170.4/117

- sign 0.021+/-0.014 χ^2/NDF: 102.9/59



Right In: 99.568+/-0.016 χ^2/NDF: 2230620.6/32

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

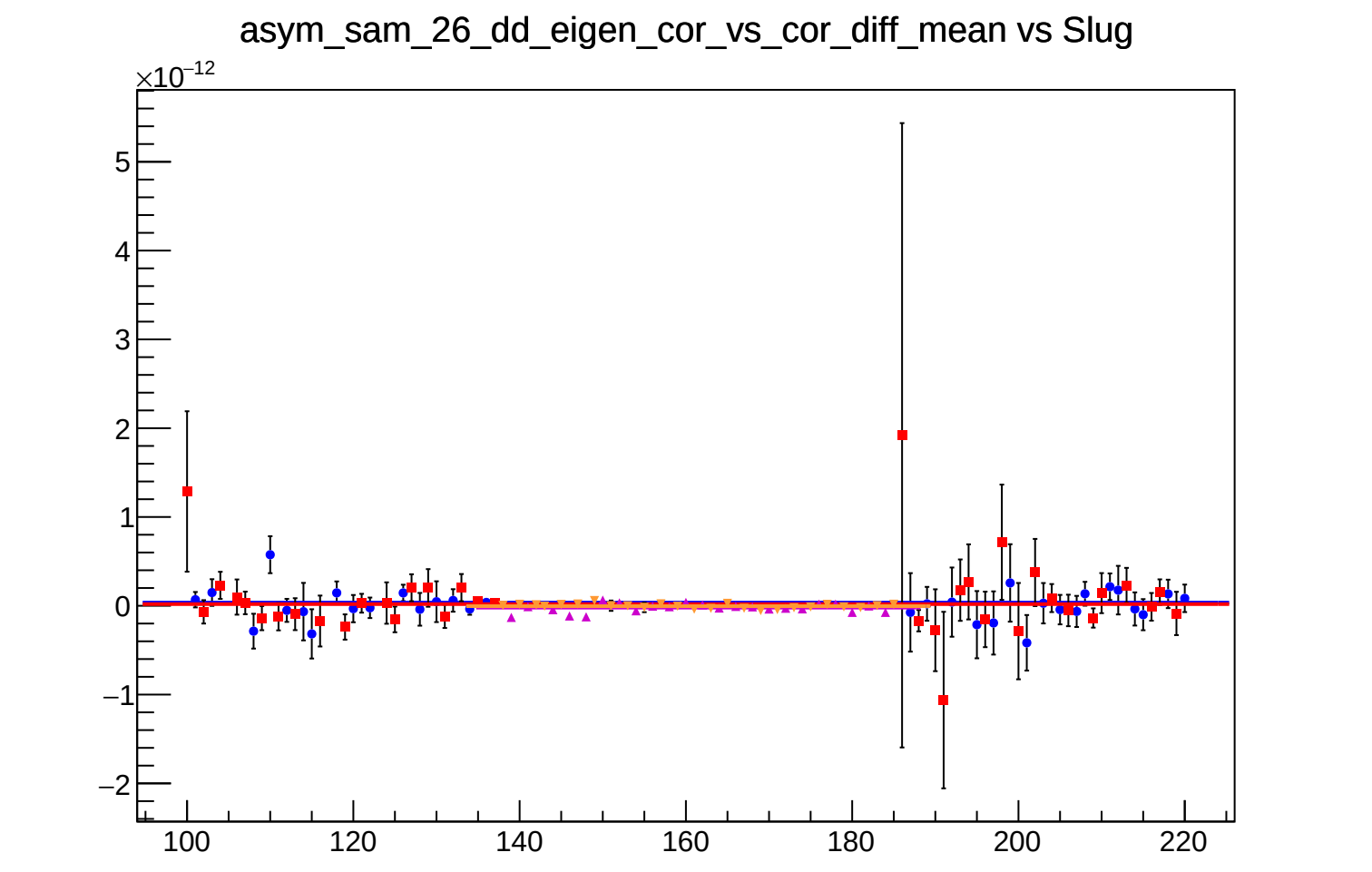
Right Out: 101.086+/-0.016 χ^2/NDF: 2573644.7/36

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

+ sign 86.339+/-0.010 χ^2/NDF: 3806648.2/57

All: 86.973+/-0.007 χ^2/NDF: 8064126.2/117

- sign 87.644+/-0.010 χ^2/NDF: 4248990.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:13.1/24

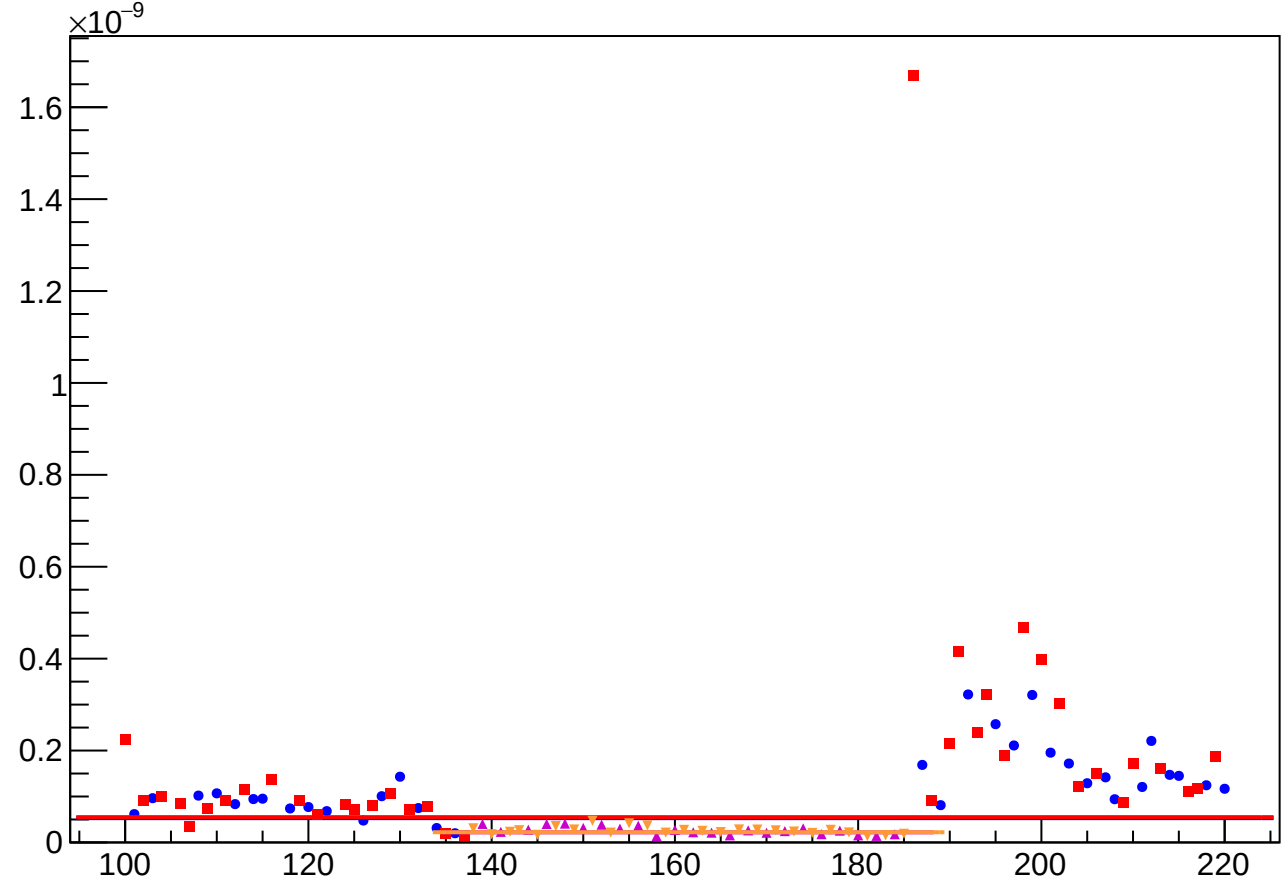
Right Out: 0.000+/-0.000 χ^2/NDF: 30.4/36

Left In: -0.000+/-0.000 χ^2/NDF:40.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.7/57

All: -0.000+/-0.000 χ^2/NDF: 118.7/117

- sign -0.000+/-0.000 χ^2/NDF: 74.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 12436805.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13975907.8/36

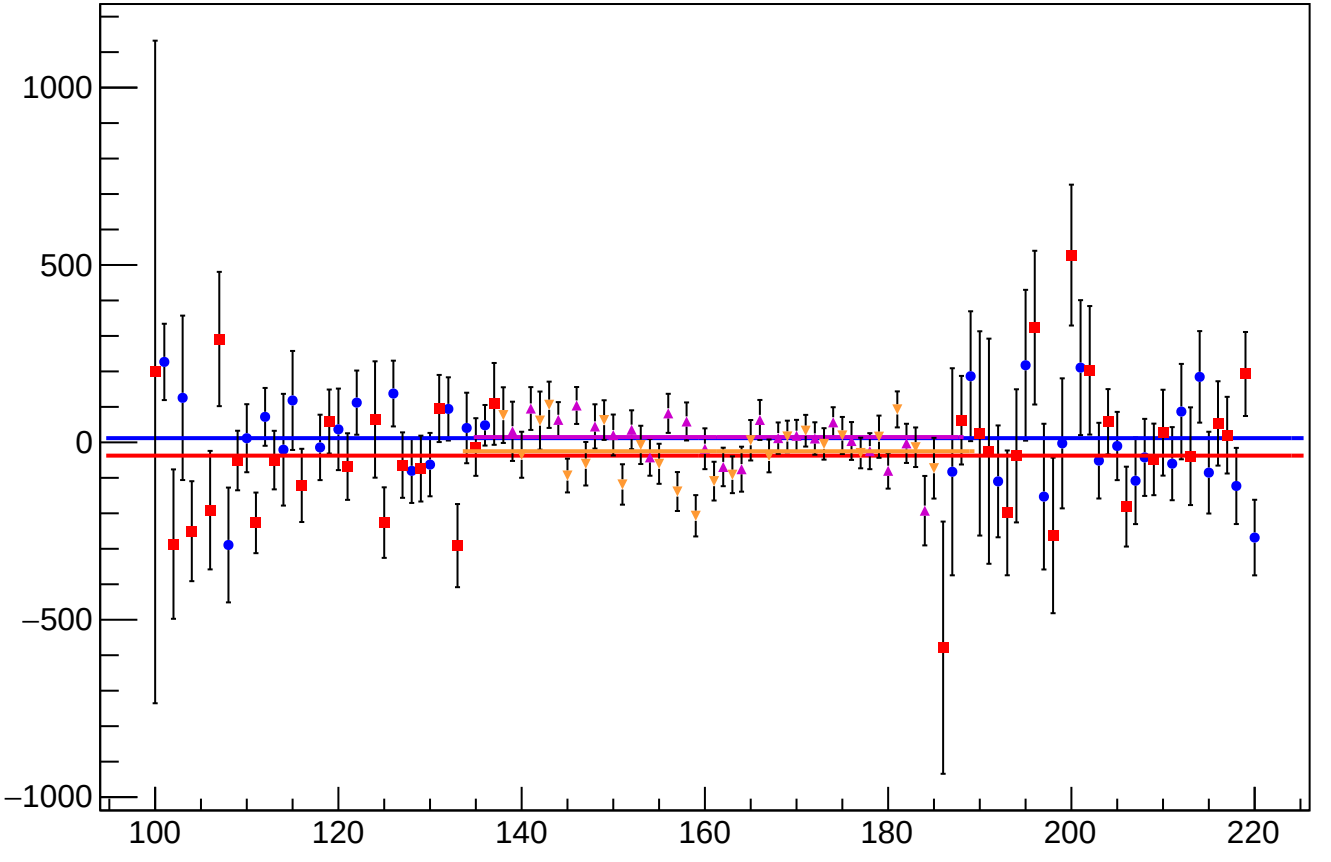
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 19438527.7/57

All: 0.000+/-0.000 χ^2/NDF: 41085031.6/117

- sign 0.000+/-0.000 χ^2/NDF: 21645979.6/59

reg_asym_sam_37_dd_mean vs Slug



Right In: 11.906+/-19.248 χ^2/NDF: 32.8/32

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -37.390+/-19.711 χ^2/NDF: 52.3/36

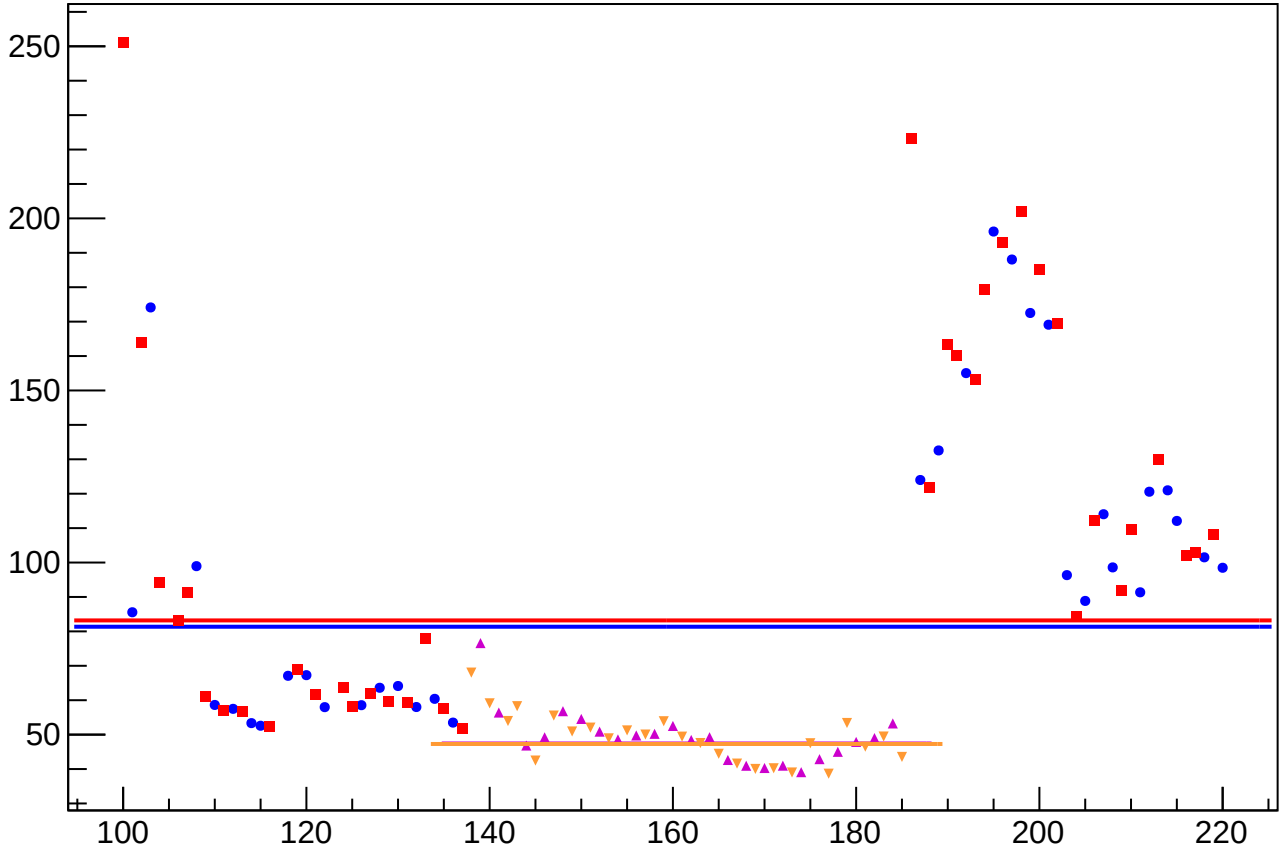
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -16.045+/-9.477 χ^2/NDF: 78.7/57

All: -7.192+/-6.795 χ^2/NDF: 162.8/117

- sign 2.178+/-9.750 χ^2/NDF: 82.3/59

reg_asym_sam_37_dd_rms vs Slug



Right In: 81.350+/-0.014 χ^2/NDF: 5531414.9/32

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 83.185+/-0.014 χ^2/NDF: 6483406.5/36

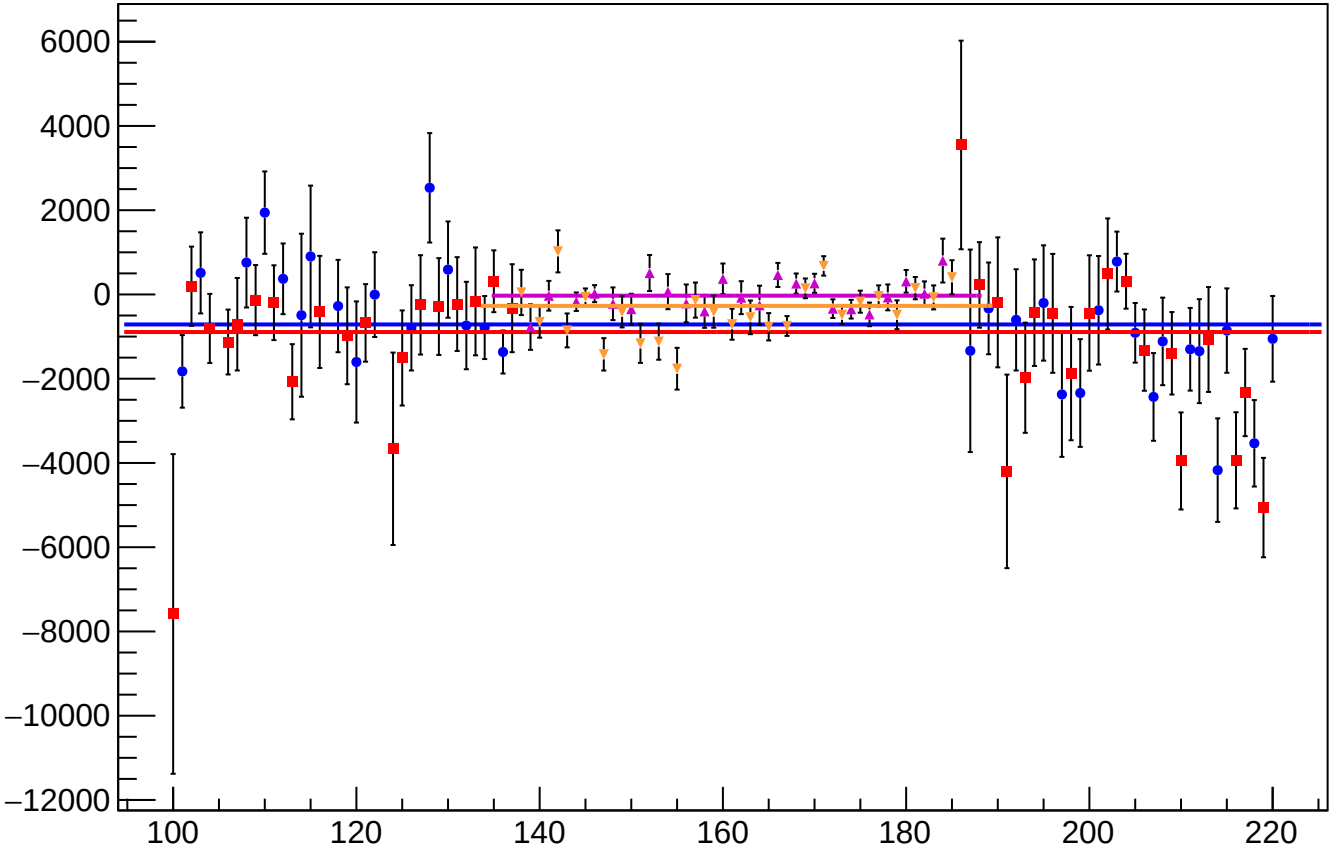
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 55.541+/-0.007 χ^2/NDF: 10995002.2/57

All: 55.849+/-0.005 χ^2/NDF: 23110759.7/117

- sign 56.174+/-0.007 χ^2/NDF: 12111428.2/59

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -711.977+/-175.185 χ^2/NDF: 52.3/32

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -891.850+/-177.972 χ^2/NDF: 55.7/36

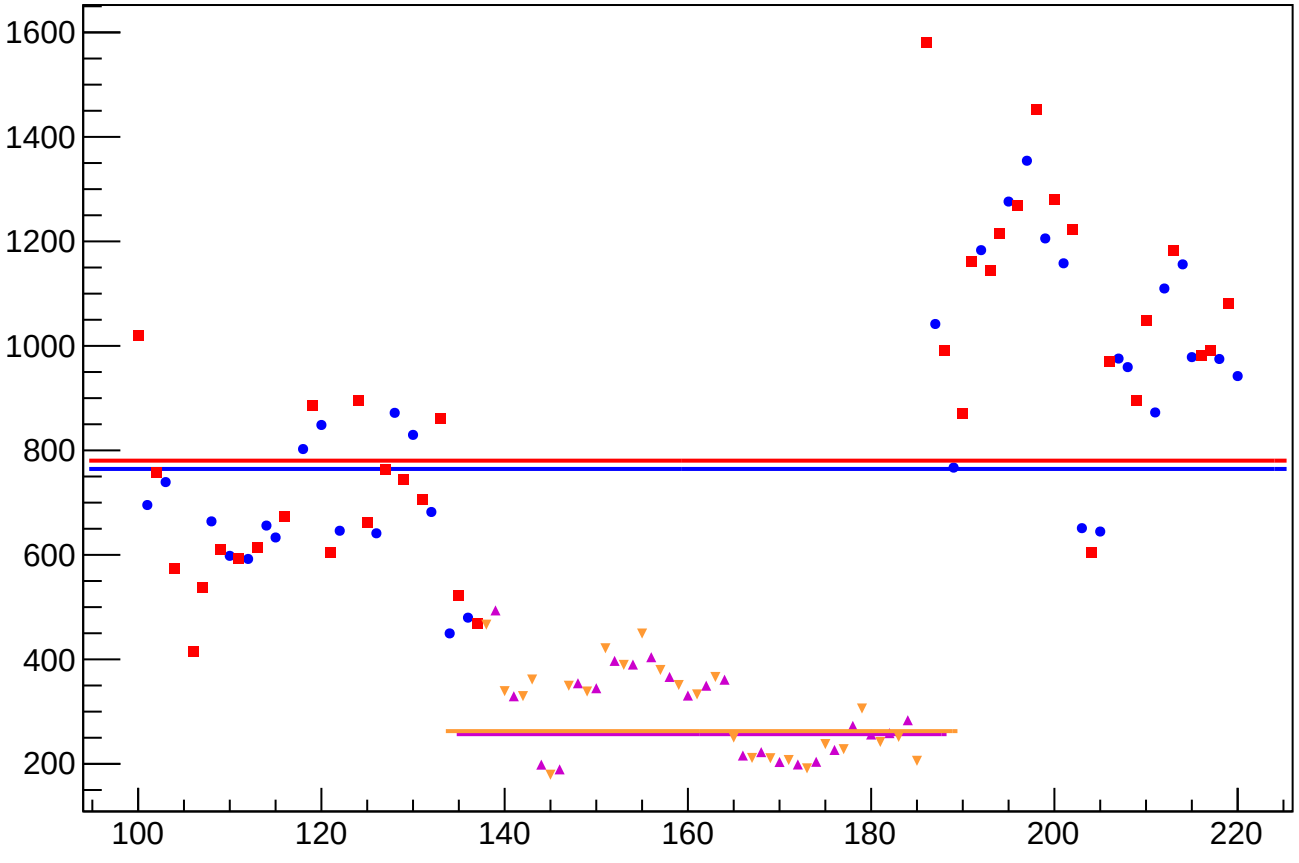
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -320.601+/-58.737 χ^2/NDF: 131.8/57

All: -223.110+/-41.666 χ^2/NDF: 238.3/117

- sign -124.368+/-59.113 χ^2/NDF: 101.0/59

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 764.479+/-0.124 χ^2/NDF: 3439456.7/32

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

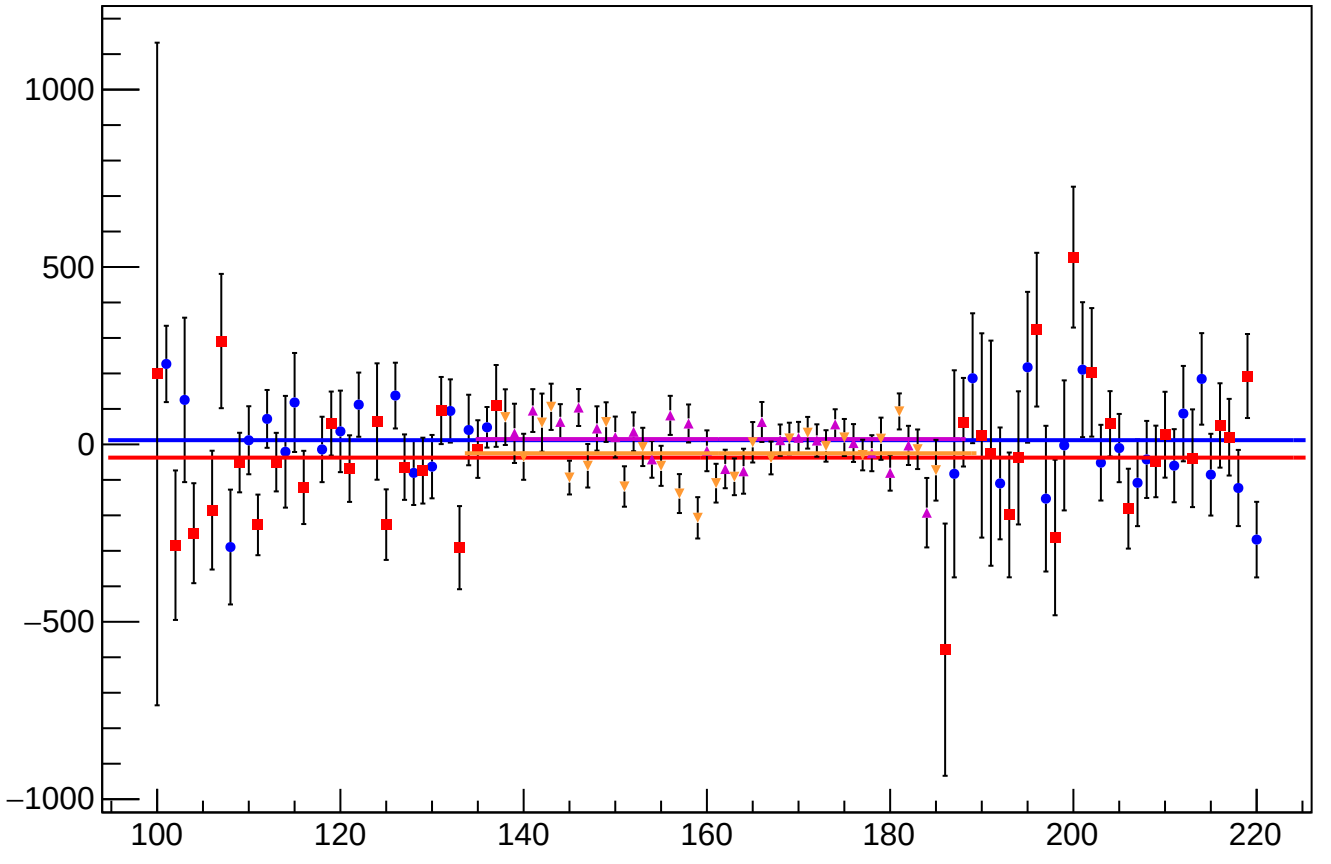
Right Out: 780.352+/-0.126 χ^2/NDF: 4184974.1/36

Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 319.090+/-0.042 χ^2/NDF: 20897640.8/57

All: 316.857+/-0.029 χ^2/NDF: 43123668.1/11

- sign 314.596+/-0.042 χ^2/NDF: 22220211.9/59



Right In: 11.900+/-19.248 χ^2/NDF: 32.8/32

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -37.271+/-19.712 χ^2/NDF: 52.2/36

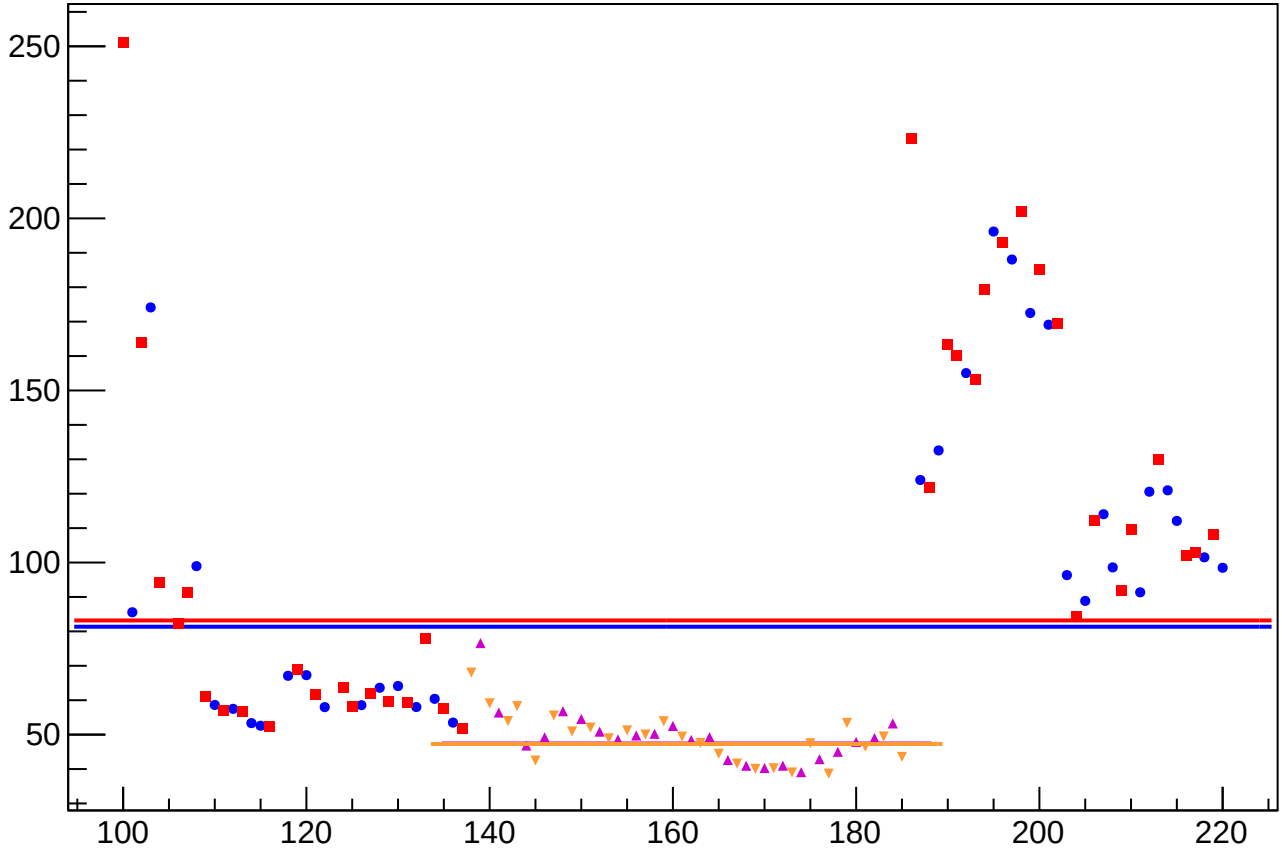
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -16.044+/-9.477 χ^2/NDF: 78.7/57

All: -7.178+/-6.795 χ^2/NDF: 162.7/117

- sign 2.206+/-9.750 χ^2/NDF: 82.2/59

cor_asym_sam_37_dd_rms vs Slug



Right In: 81.350+/-0.014 χ^2/NDF: 5531417.3/32

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

Right Out: 83.171+/-0.014 χ^2/NDF: 6483659.2/36

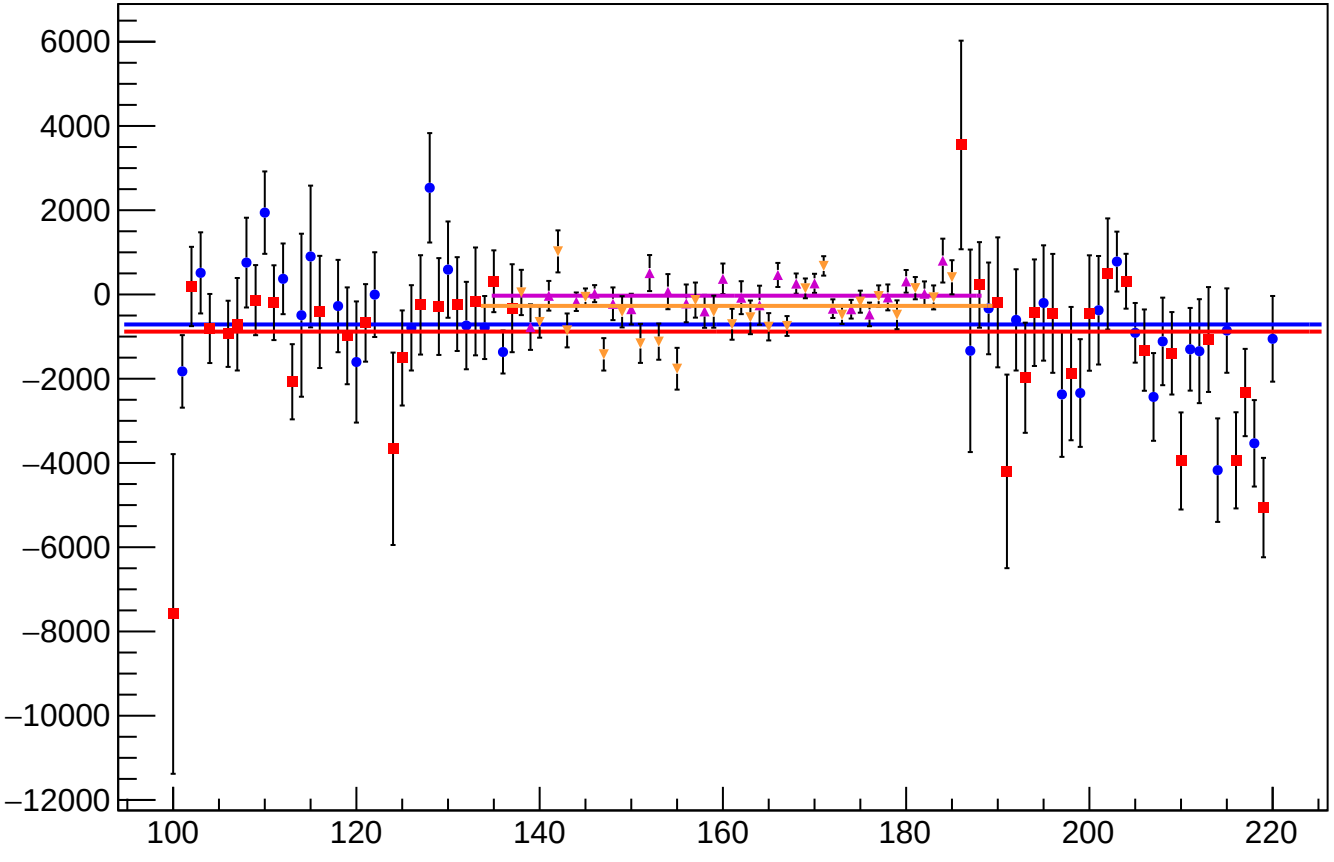
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 55.541+/-0.007 χ^2/NDF: 10995004.0/57

All: 55.847+/-0.005 χ^2/NDF: 23106719.1/117

- sign 56.170+/-0.007 χ^2/NDF: 12107440.5/59

asym_sam_37_dd_cor_correction_mean vs Slug



Right In: -711.980+/-175.185 χ^2/NDF: 52.3/32

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -881.676+/-178.165 χ^2/NDF: 55.6/36

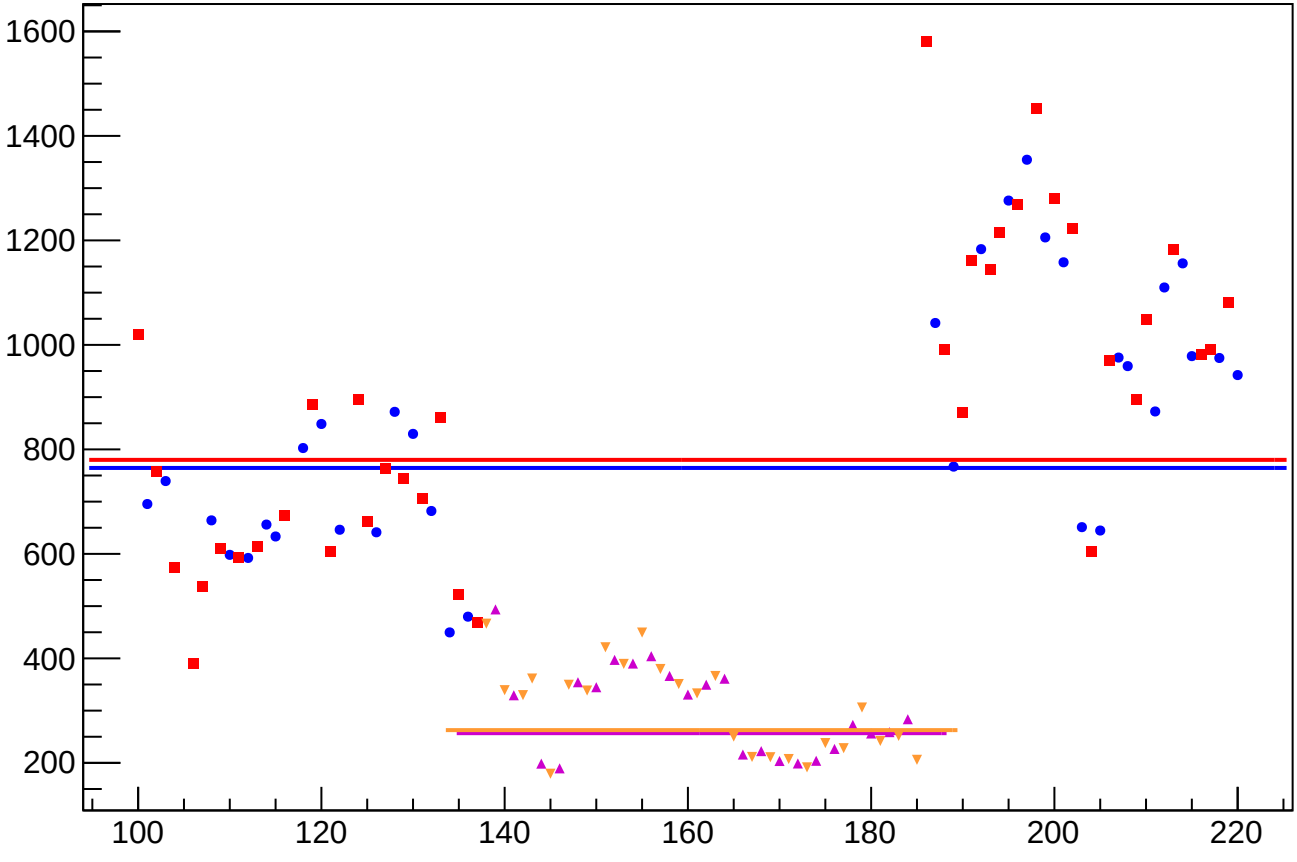
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -320.597+/-58.737 χ^2/NDF: 131.8/57

All: -222.473+/-41.668 χ^2/NDF: 237.8/117

- sign -123.067+/-59.120 χ^2/NDF: 100.3/59

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 764.482+/-0.124 χ^2/NDF: 3439448.4/32

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 779.942+/-0.126 χ^2/NDF: 4224578.9/36

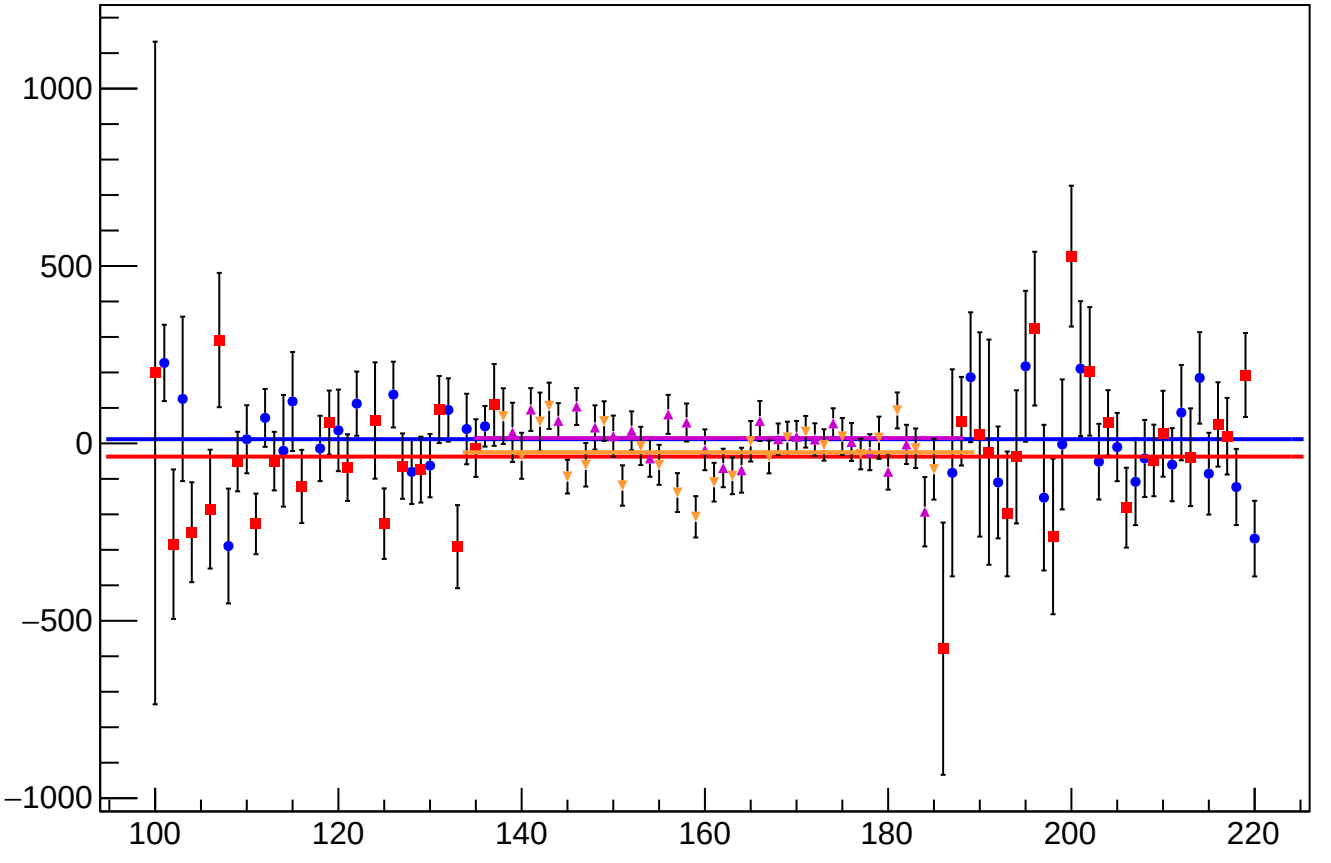
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 319.090+/-0.042 χ^2/NDF: 20897701.7/57

All: 316.780+/-0.029 χ^2/NDF: 43109991.8/11

- sign 314.440+/-0.042 χ^2/NDF: 22206064.1/59

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 11.900+/-19.248 χ^2/NDF: 32.8/32

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -37.271+/-19.712 χ^2/NDF: 52.2/36

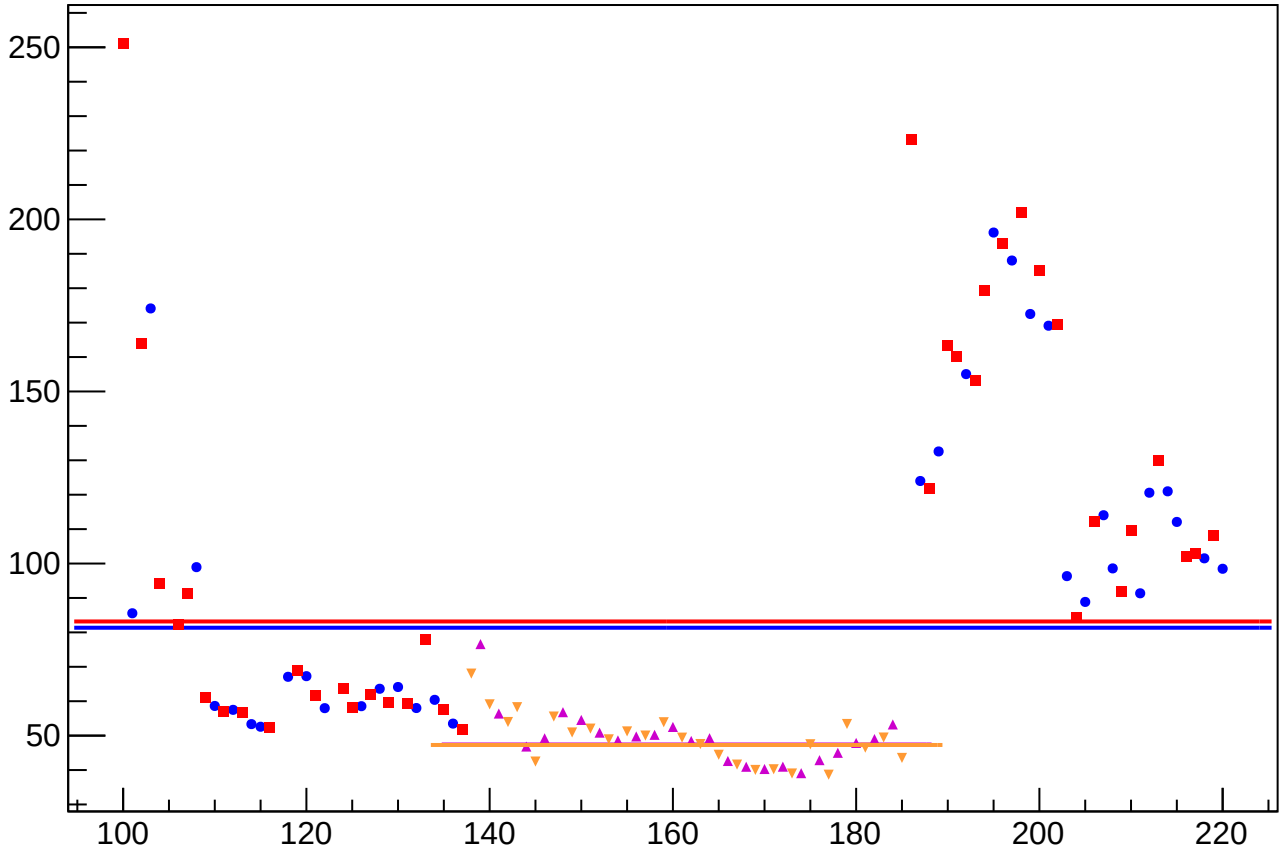
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -16.044+/-9.477 χ^2/NDF: 78.7/57

All: -7.178+/-6.795 χ^2/NDF: 162.7/117

- sign 2.206+/-9.750 χ^2/NDF: 82.2/59

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 81.350+/-0.014 χ^2/NDF: 5531417.3/32

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

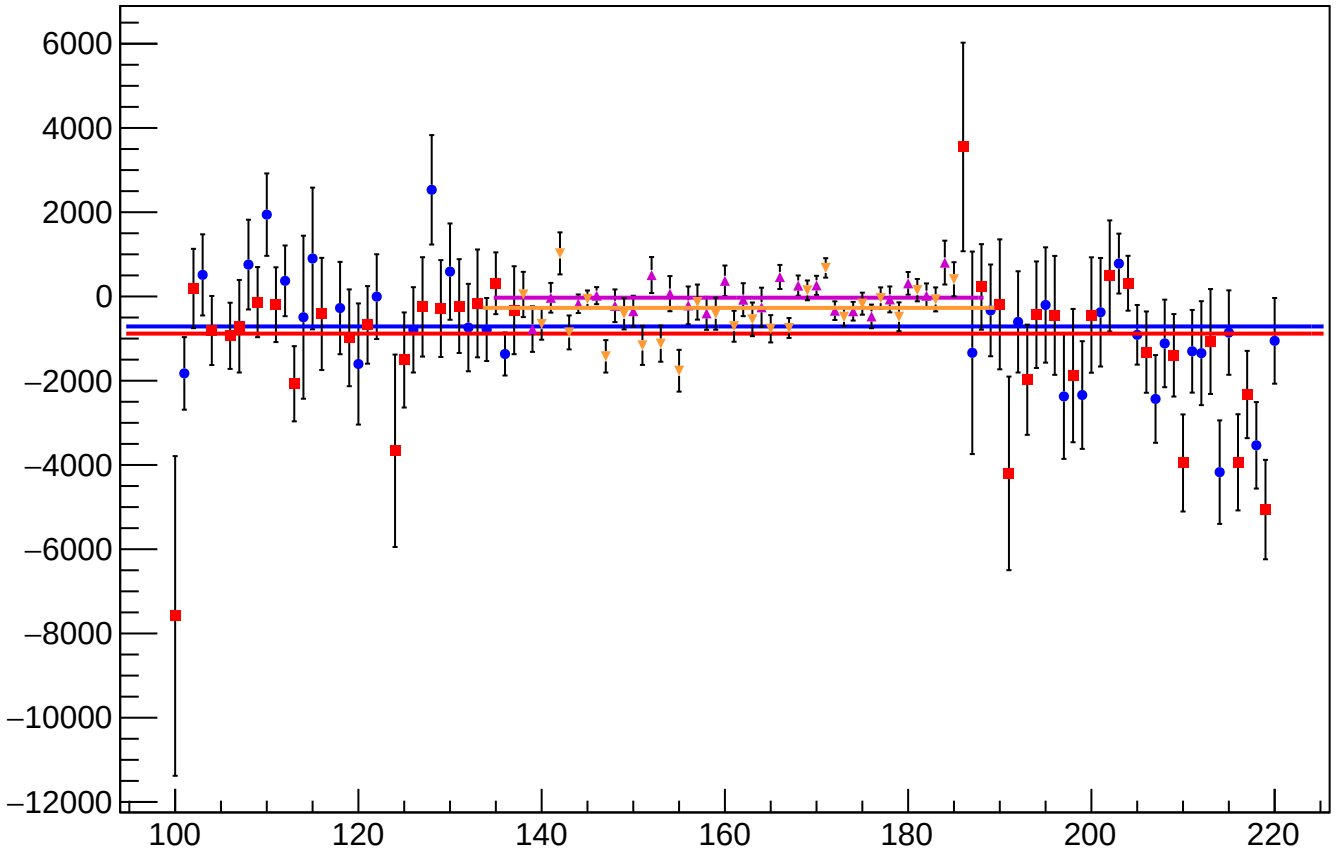
Right Out: 83.171+/-0.014 χ^2/NDF: 6483659.2/36

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 55.541+/-0.007 χ^2/NDF: 10995004.0/57

All: 55.847+/-0.005 χ^2/NDF: 23106719.1/117

- sign 56.170+/-0.007 χ^2/NDF: 12107440.5/59



Right In: -711.980+/-175.185 χ^2/NDF: 52.3/32

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

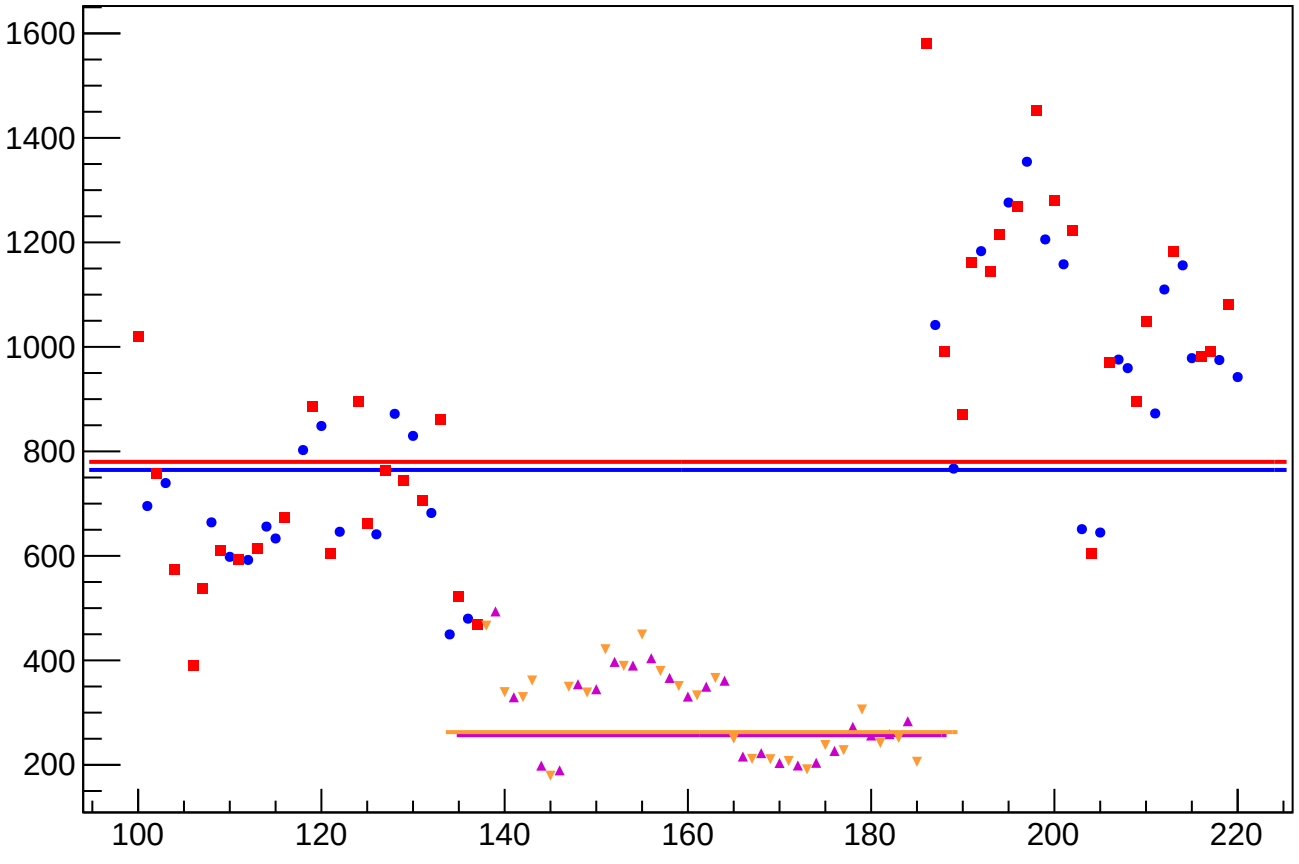
Right Out: -881.676+/-178.165 χ^2/NDF: 55.6/36

Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -320.597+/-58.737 χ^2/NDF: 131.8/57

All: -222.473+/-41.668 χ^2/NDF: 237.8/117

- sign -123.067+/-59.120 χ^2/NDF: 100.3/59



Right In: 764.482+/-0.124 χ^2/NDF: 3439448.4/32

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 779.942+/-0.126 χ^2/NDF: 4224578.9/36

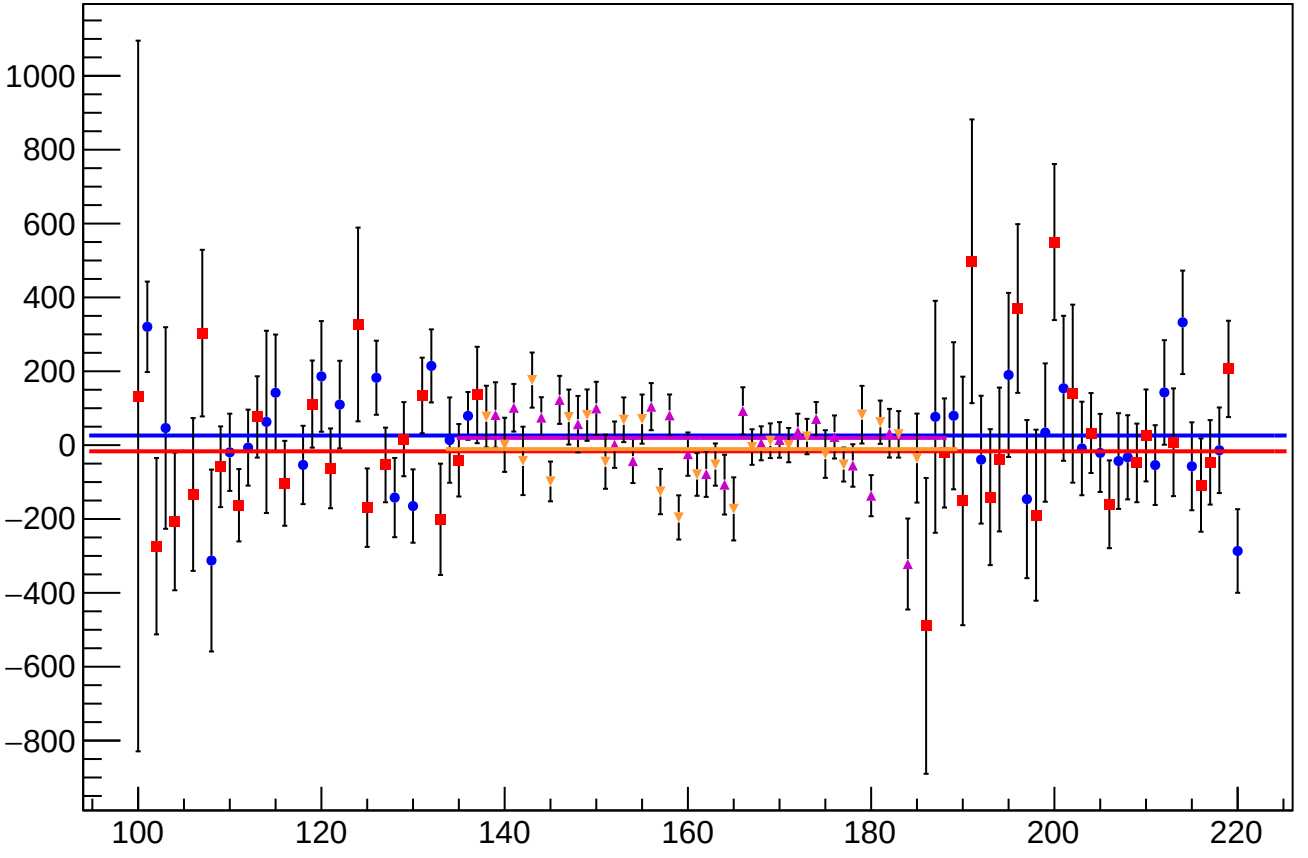
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 319.090+/-0.042 χ^2/NDF: 20897701.7/57

All: 316.780+/-0.029 χ^2/NDF: 43109991.8/11

- sign 314.440+/-0.042 χ^2/NDF: 22206064.1/59

dit_asym_sam_37_dd_mean vs Slug



Right In: 26.045+/-21.768 χ^2/NDF: 40.6/32

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -16.699+/-22.640 χ^2/NDF: 39.0/36

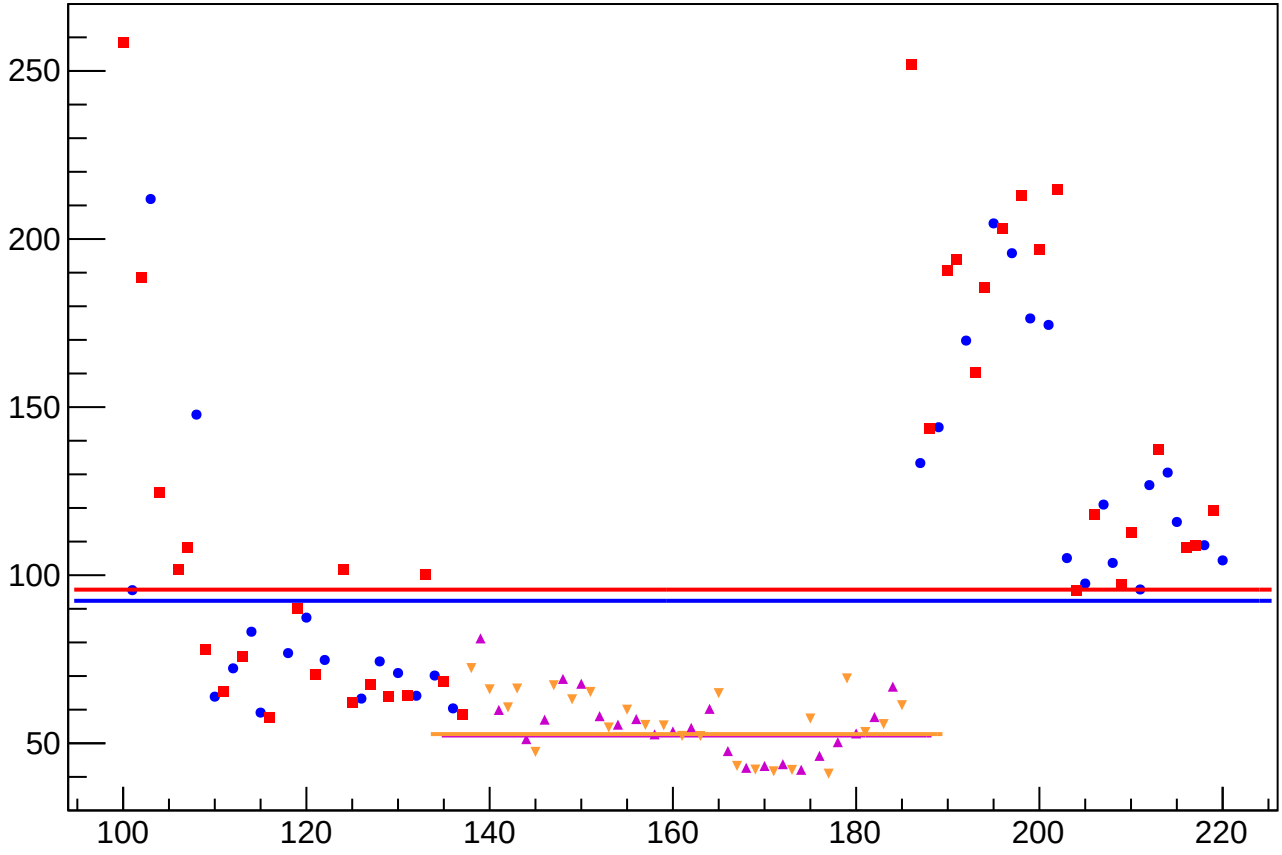
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -1.894+/-10.713 χ^2/NDF: 83.1/57

All: 4.432+/-7.666 χ^2/NDF: 161.5/117

- sign 11.070+/-10.974 χ^2/NDF: 77.7/59

dit_asym_sam_37_dd_rms vs Slug



Right In: 92.382+/-0.015 χ^2/NDF: 4784552.3/32

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 95.707+/-0.016 χ^2/NDF: 5892279.3/36

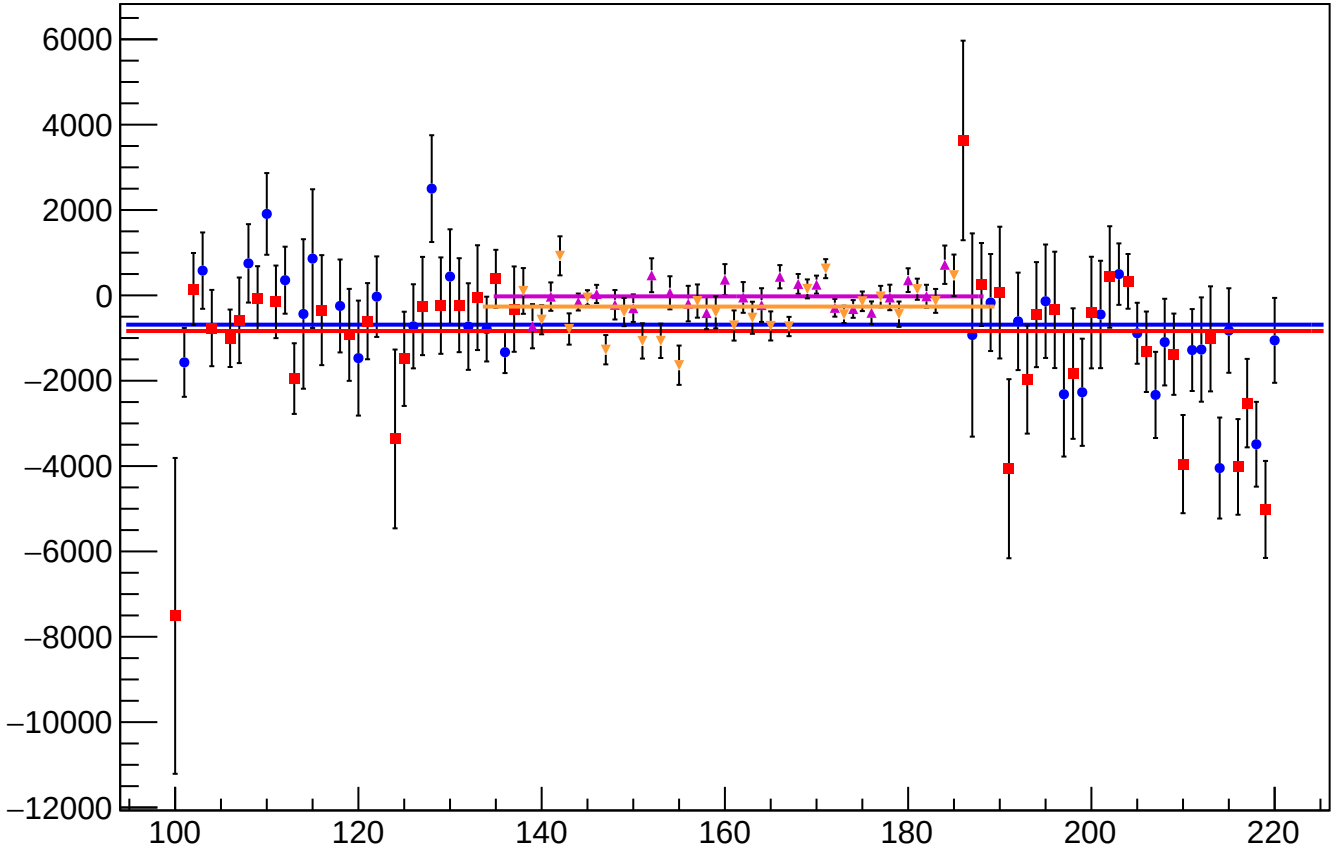
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 62.334+/-0.008 χ^2/NDF: 10980463.1/57

All: 62.419+/-0.005 χ^2/NDF: 23386228.3/117

- sign 62.509+/-0.008 χ^2/NDF: 12405505.5/59

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -686.531+/-169.898 χ^2/NDF: 51.6/32

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -834.631+/-170.250 χ^2/NDF: 60.8/36

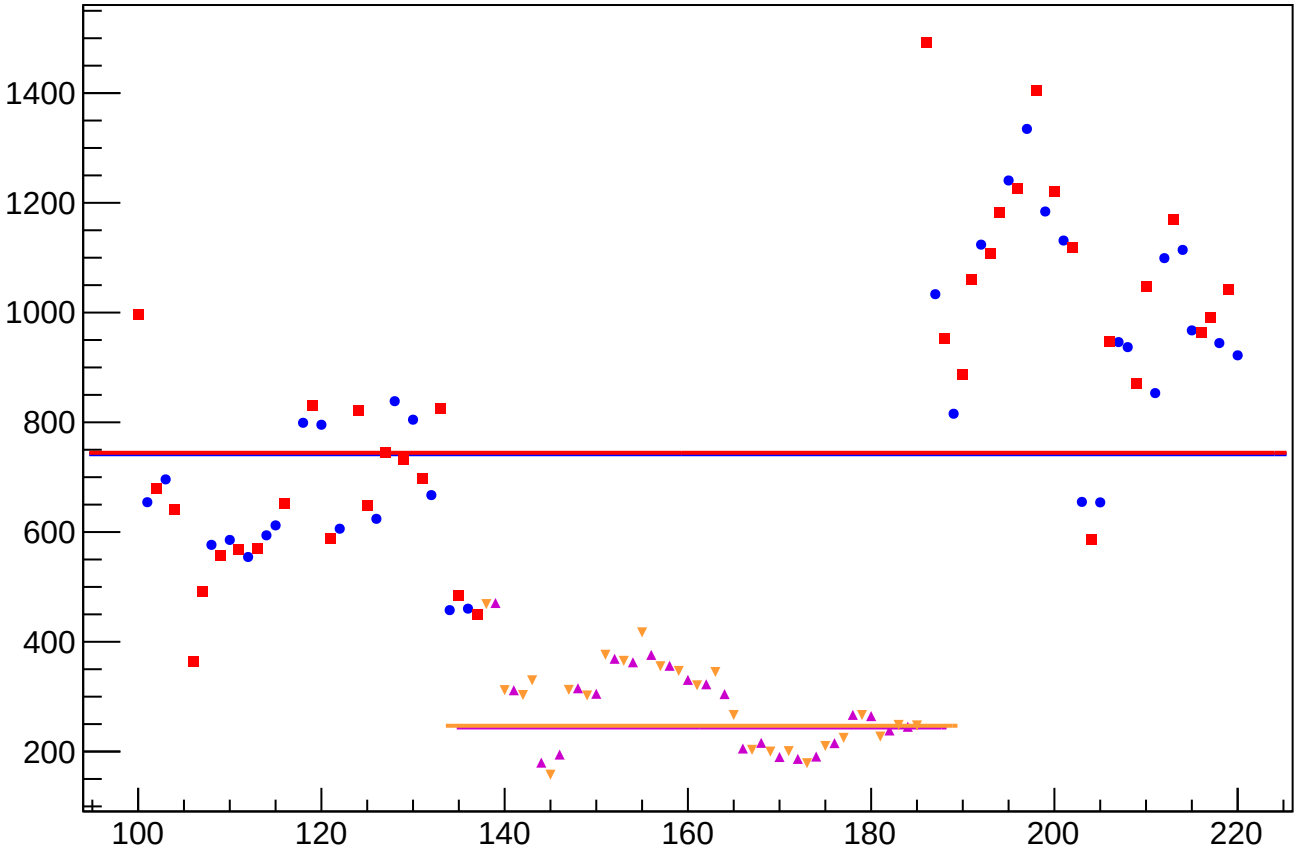
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -307.518+/-55.314 χ^2/NDF: 129.4/57

All: -210.854+/-39.381 χ^2/NDF: 240.9/117

- sign -111.488+/-56.082 χ^2/NDF: 105.3/59

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 741.832+/-0.120 χ^2/NDF: 3515240.8/32

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 744.462+/-0.120 χ^2/NDF: 4515458.2/36

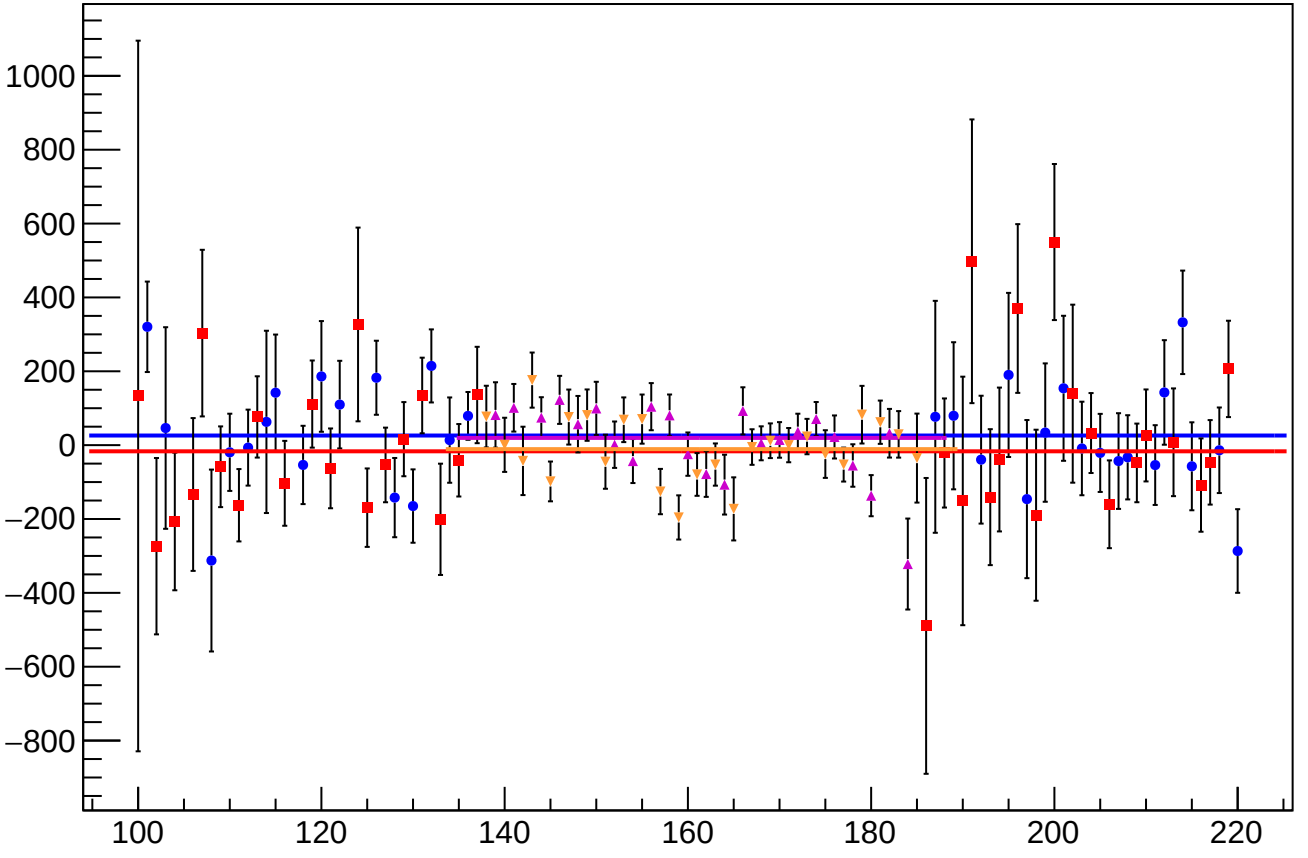
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 299.446+/-0.039 χ^2/NDF: 21608547.0/57

All: 298.806+/-0.028 χ^2/NDF: 44032700.7/11

- sign 298.149+/-0.040 χ^2/NDF: 22423611.2/59

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 26.045+/-21.768 χ^2/NDF: 40.6/32

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -16.698+/-22.640 χ^2/NDF: 39.0/36

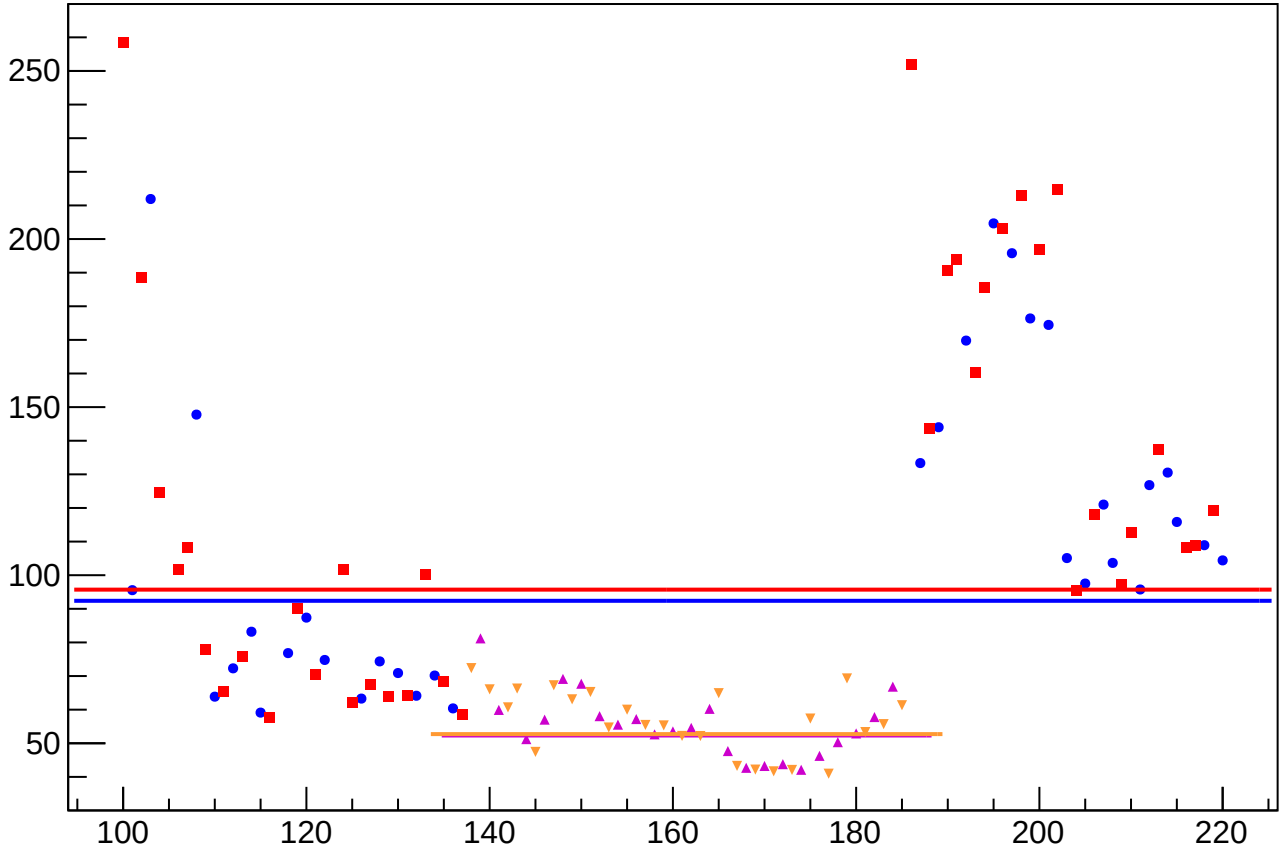
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

\+ sign -1.894+/-10.713 χ^2/NDF: 83.1/57

All: 4.433+/-7.666 χ^2/NDF: 161.5/117

\- sign 11.070+/-10.974 χ^2/NDF: 77.7/59

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 92.382+/-0.015 χ^2/NDF: 4784585.8/32

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

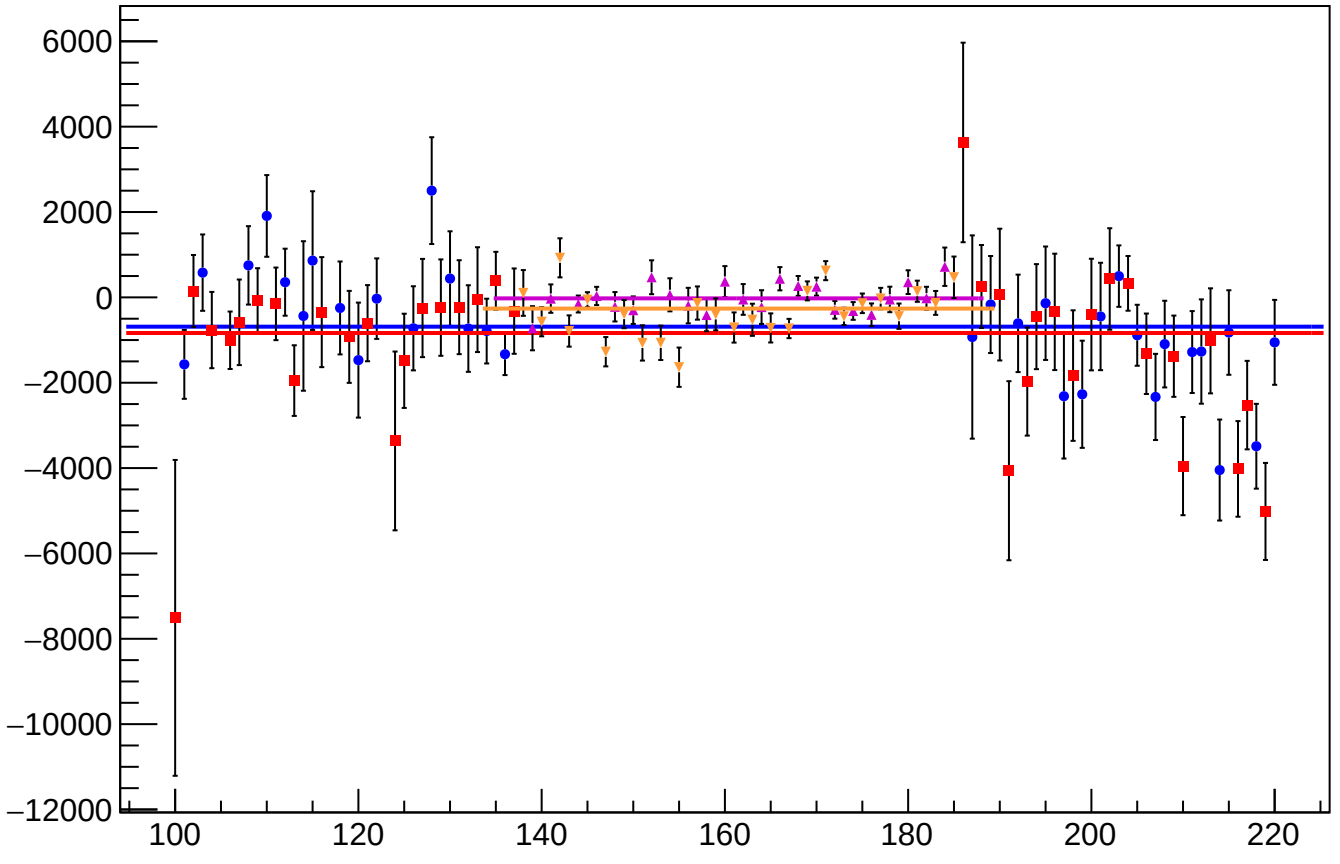
Right Out: 95.707+/-0.016 χ^2/NDF: 5892283.4/36

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 62.334+/-0.008 χ^2/NDF: 10980475.6/57

All: 62.419+/-0.005 χ^2/NDF: 23386217.9/117

- sign 62.509+/-0.008 χ^2/NDF: 12405482.7/59



Right In: -686.531+/-169.898 χ^2/NDF: 51.6/32

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

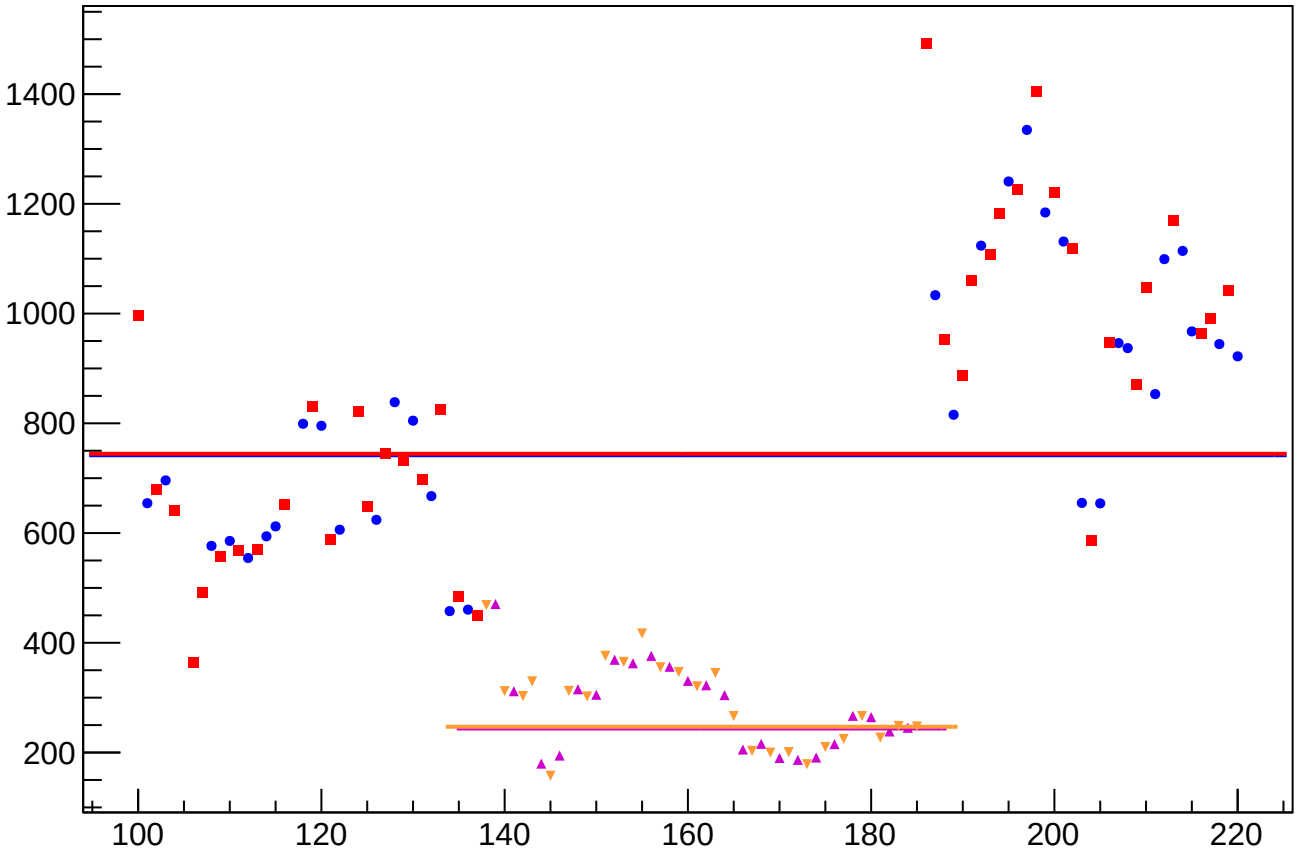
Right Out: -834.631+/-170.250 χ^2/NDF: 60.8/36

Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -307.519+/-55.314 χ^2/NDF: 129.4/57

All: -210.854+/-39.381 χ^2/NDF: 240.9/117

- sign -111.487+/-56.082 χ^2/NDF: 105.3/59



Right In: 741.832+/-0.120 χ^2/NDF: 3515220.7/32

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 744.461+/-0.120 χ^2/NDF: 4515448.2/36

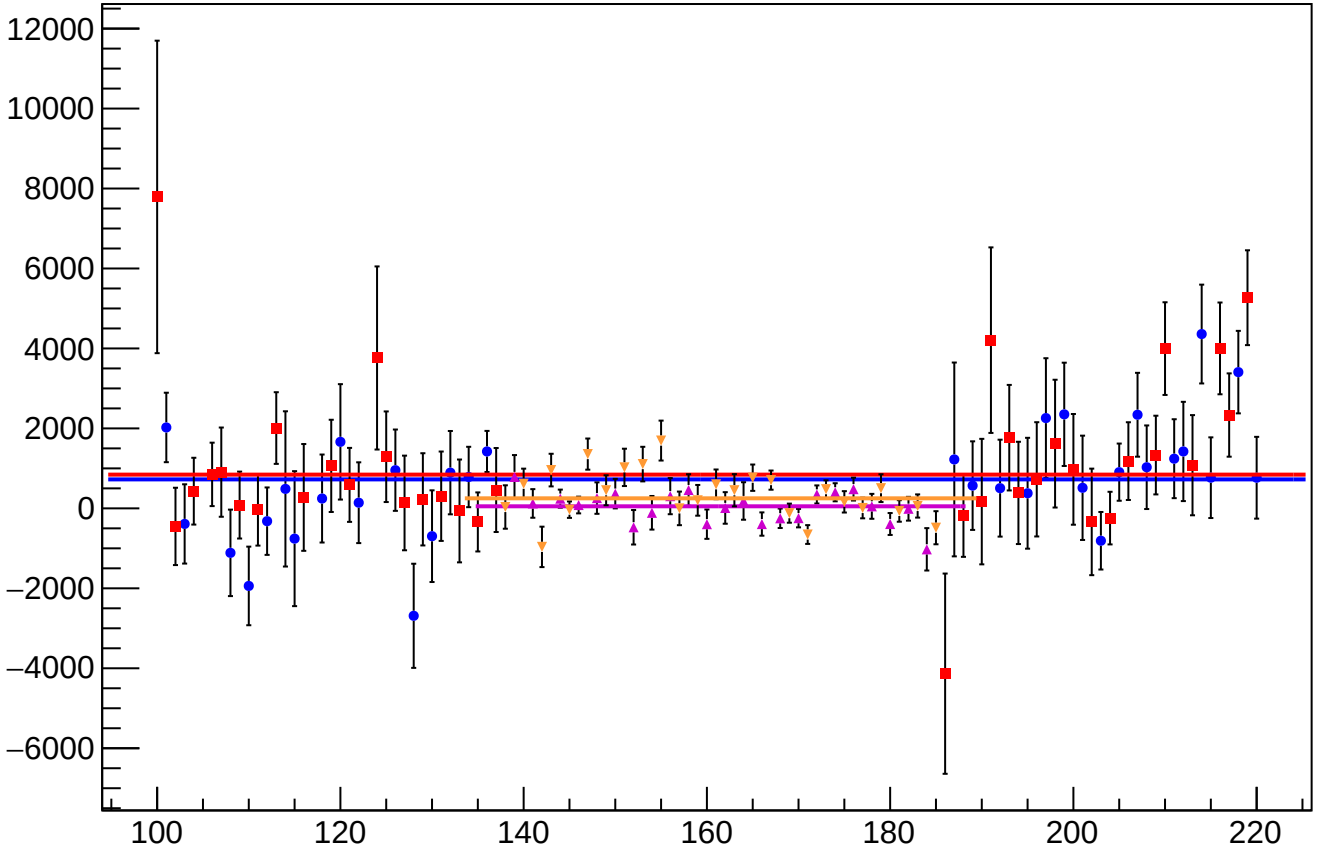
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 299.446+/-0.039 χ^2/NDF: 21608533.4/57

All: 298.806+/-0.028 χ^2/NDF: 44032680.0/11

- sign 298.148+/-0.040 χ^2/NDF: 22423604.0/59

asym_sam_37_dd_mean vs Slug



Right In: 724.505+/-176.628 χ^2/NDF: 53.2/32

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 843.927+/-179.666 χ^2/NDF: 57.8/36

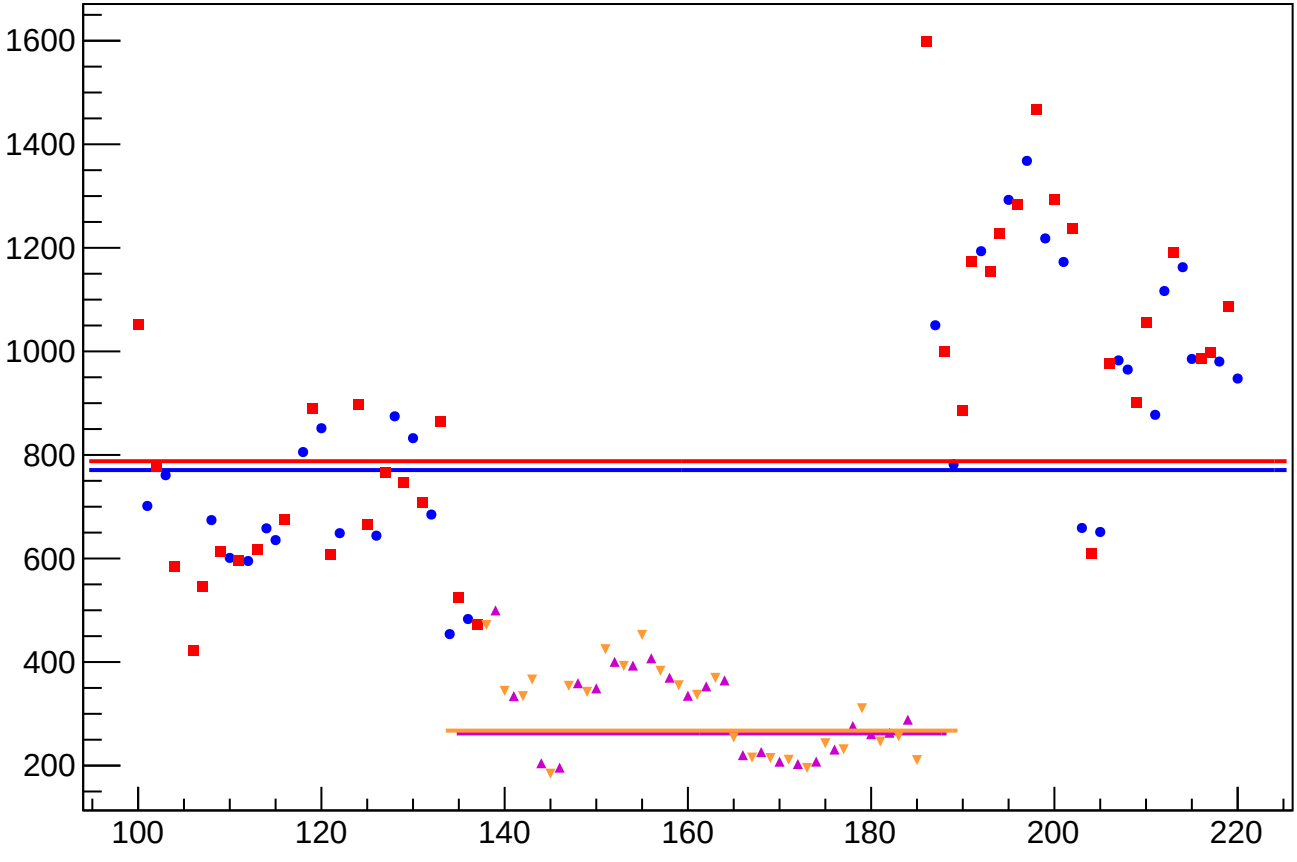
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 305.177+/-59.692 χ^2/NDF: 127.1/57

All: 223.491+/-42.372 χ^2/NDF: 232.8/117

- sign 140.525+/-60.158 χ^2/NDF: 101.9/59

asym_sam_37_dd_rms vs Slug



Right In: 770.780+/-0.125 χ^2/NDF: 3442552.0/32

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

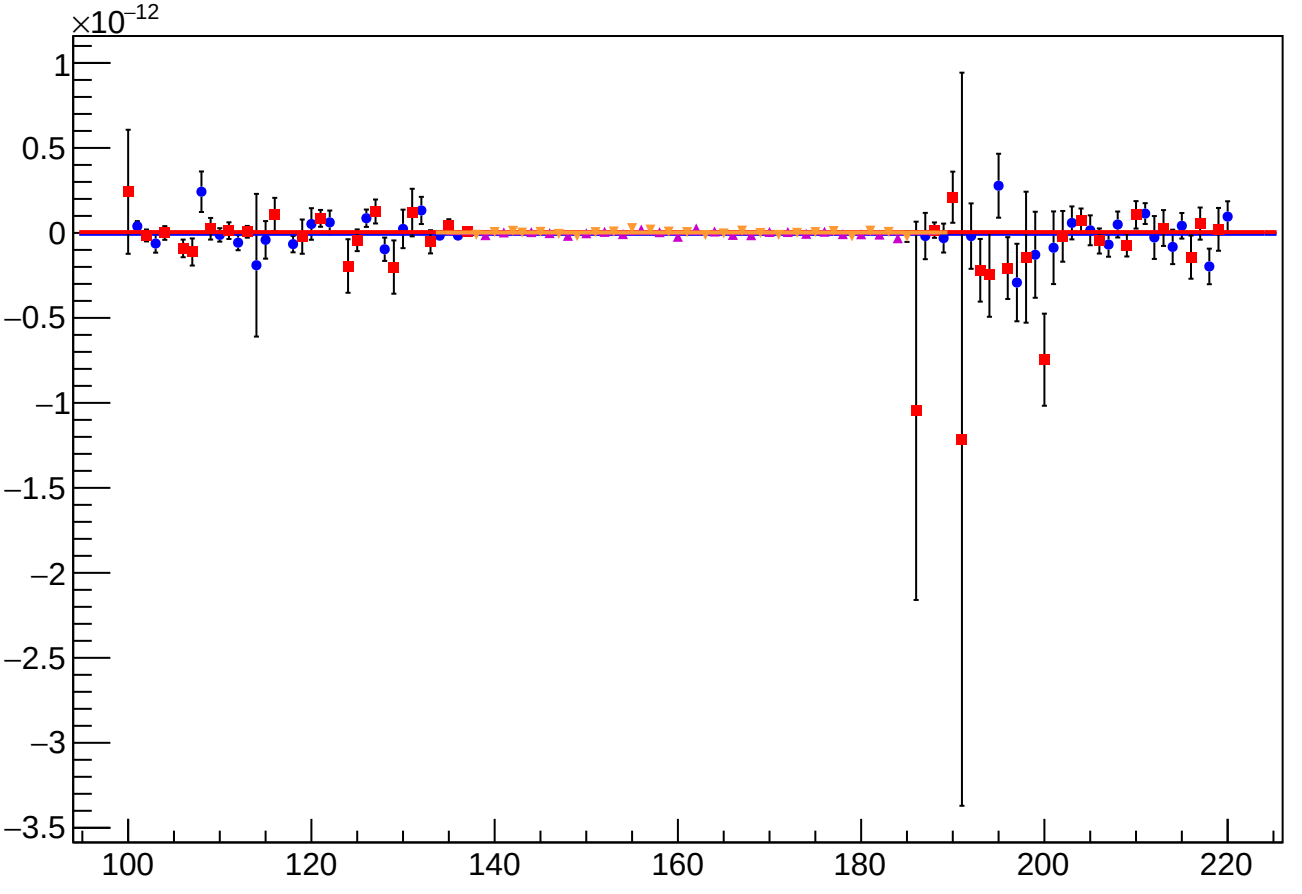
Right Out: 787.902+/-0.127 χ^2/NDF: 4159107.7/36

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 325.060+/-0.042 χ^2/NDF: 20622316.7/57

All: 323.067+/-0.030 χ^2/NDF: 42532868.8/11

- sign 321.042+/-0.043 χ^2/NDF: 21906057.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 36.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

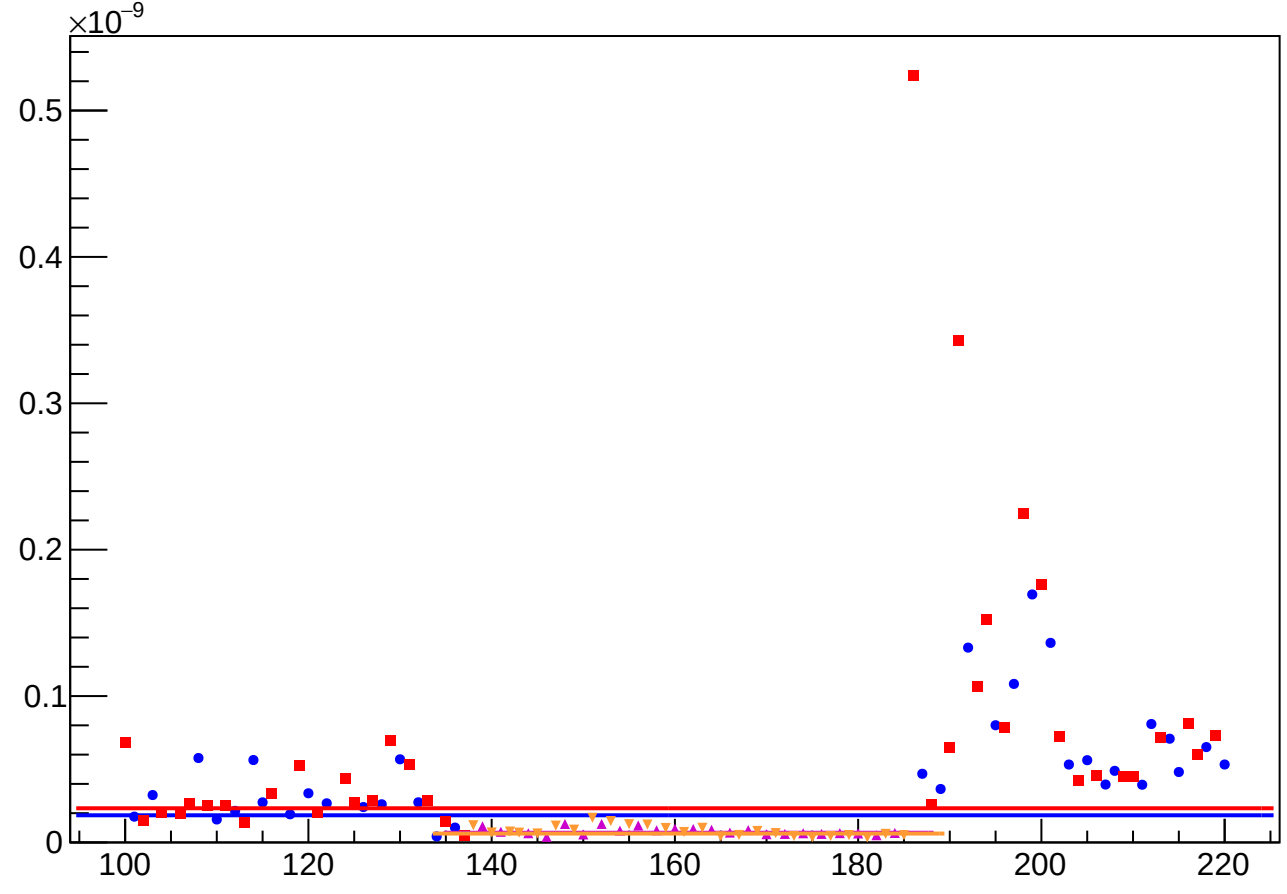
Right Out: 0.000+/-0.000 χ^2/NDF: 40.8/36

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.5/57

All: 0.000+/-0.000 χ^2/NDF: 106.6/117

- sign -0.000+/-0.000 χ^2/NDF: 53.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 8840374.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7483465.2/36

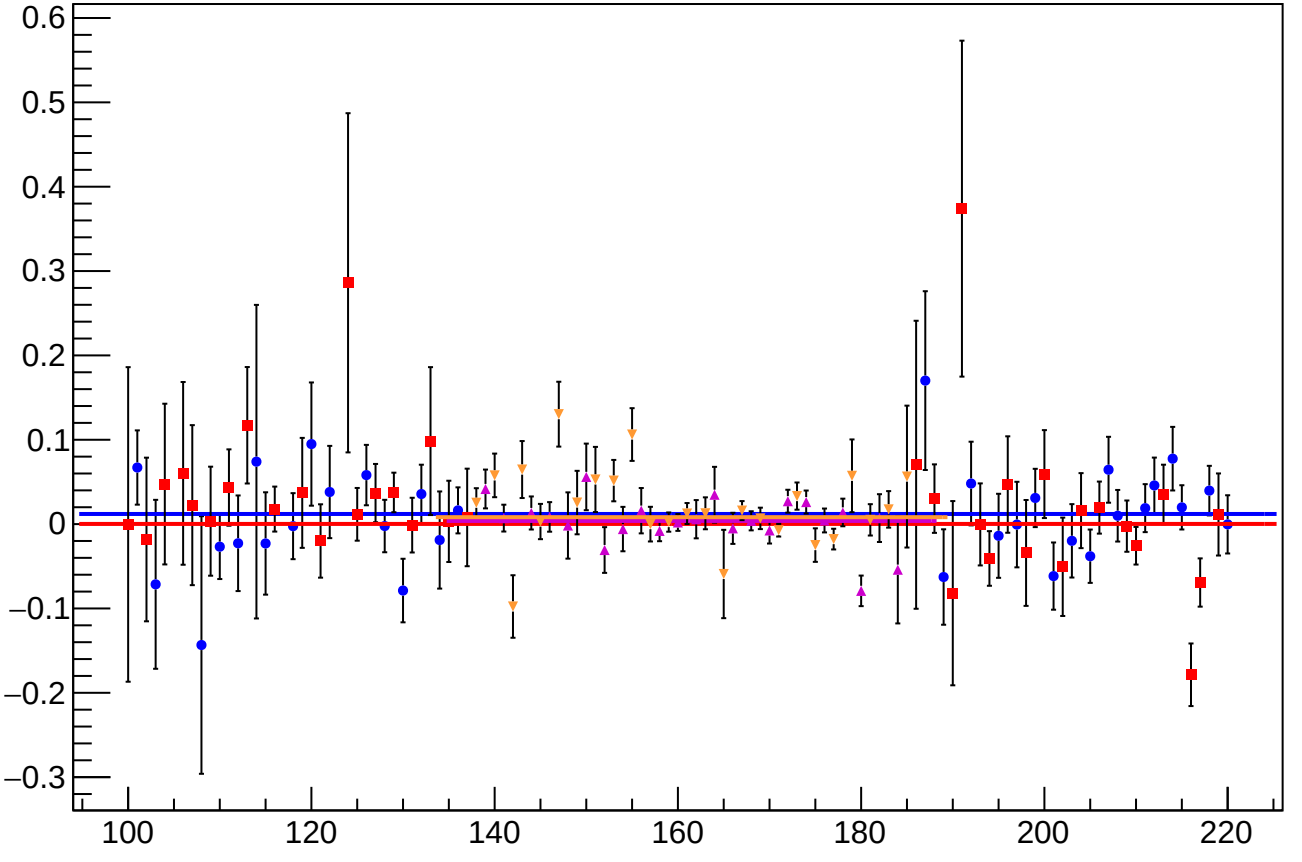
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15044995.2/57

All: 0.000+/-0.000 χ^2/NDF: 28640088.1/117

- sign 0.000+/-0.000 χ^2/NDF: 13519445.3/59

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/32

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.000+/-0.007 χ^2/NDF: 53.9/36

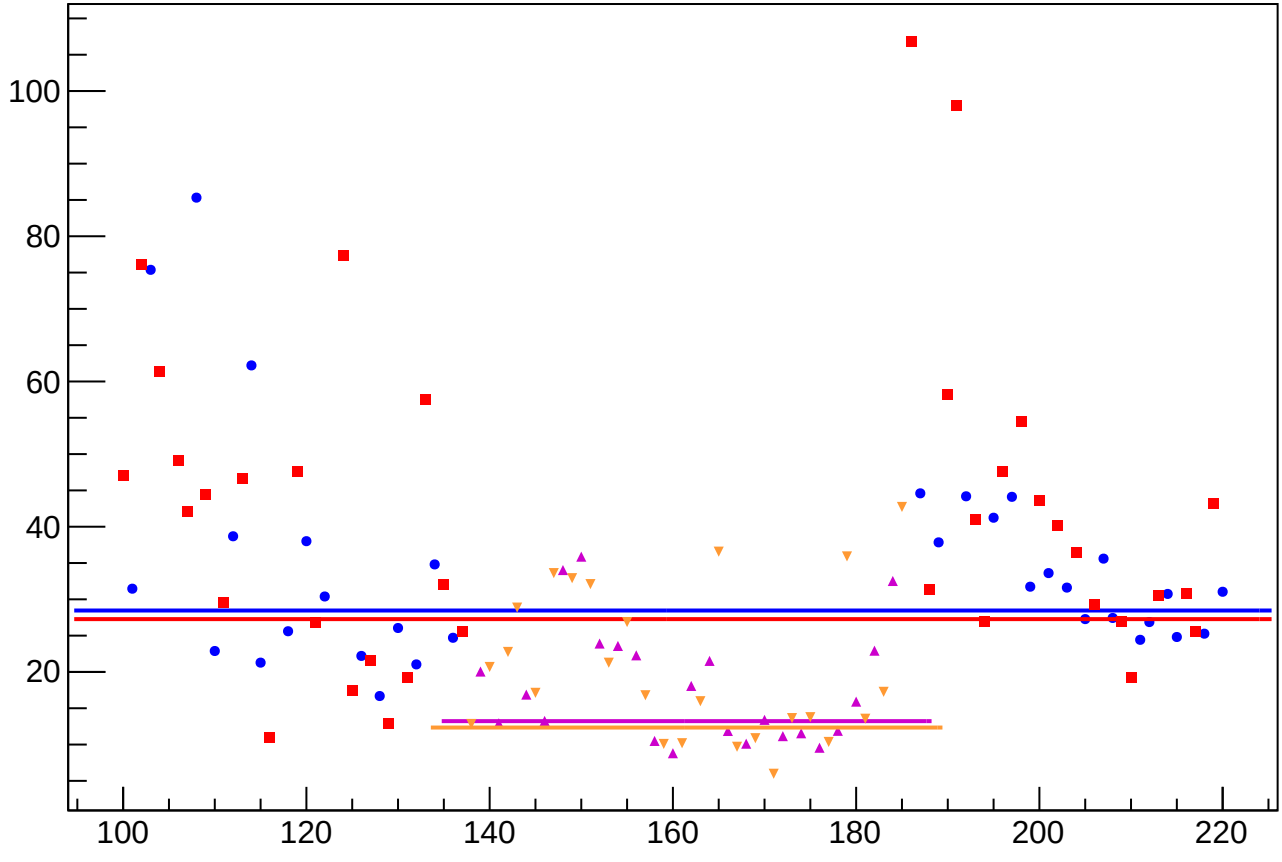
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.9/57

All: 0.006+/-0.002 χ^2/NDF: 186.0/117

- sign 0.003+/-0.003 χ^2/NDF: 91.3/59

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 28.461+/-0.005 χ^2/NDF: 2368373.6/32

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

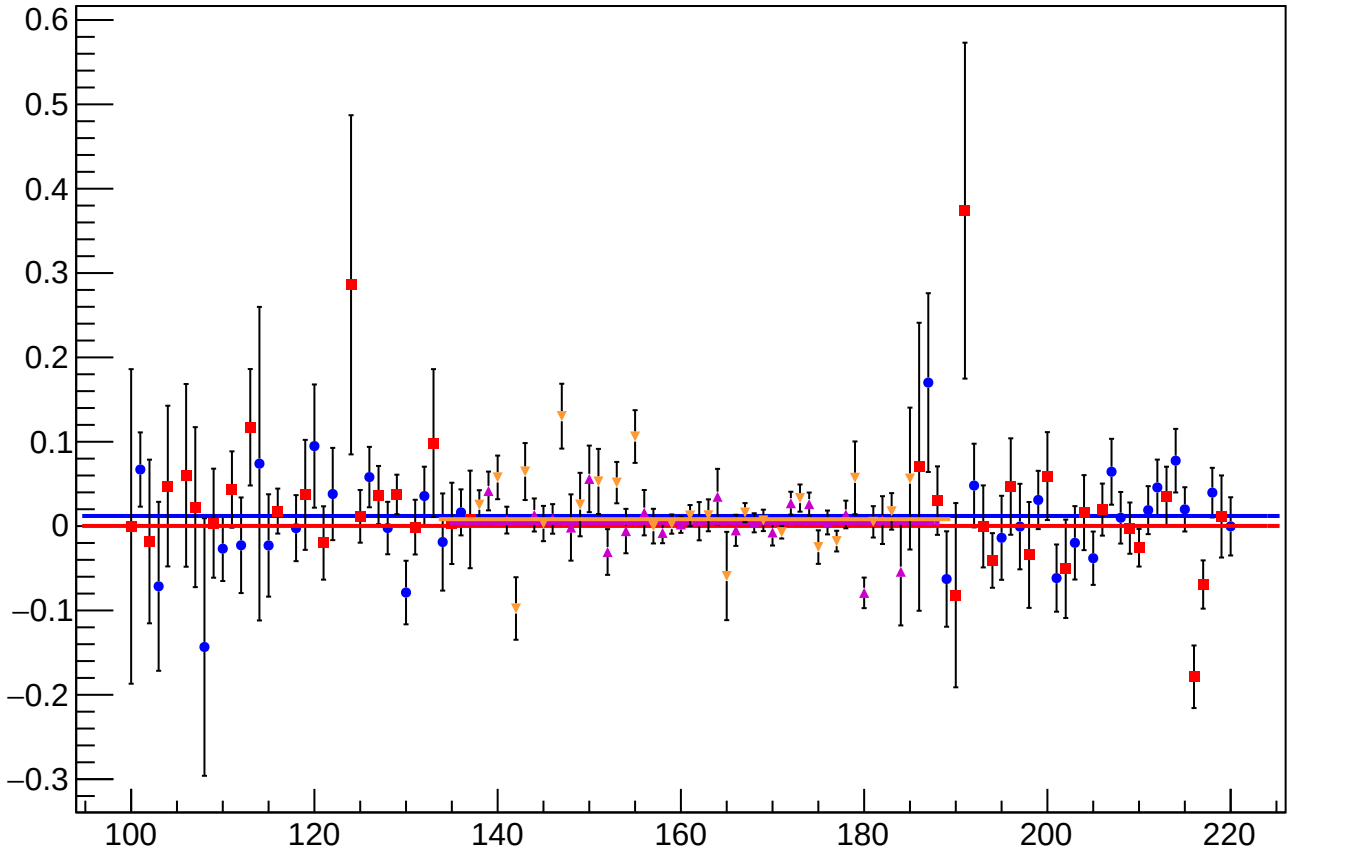
Right Out: 27.274+/-0.005 χ^2/NDF: 6232061.9/36

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 15.540+/-0.002 χ^2/NDF: 17752127.2/57

All: 15.850+/-0.002 χ^2/NDF: 34200661.0/117

- sign 16.187+/-0.002 χ^2/NDF: 16406664.3/59



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/32

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

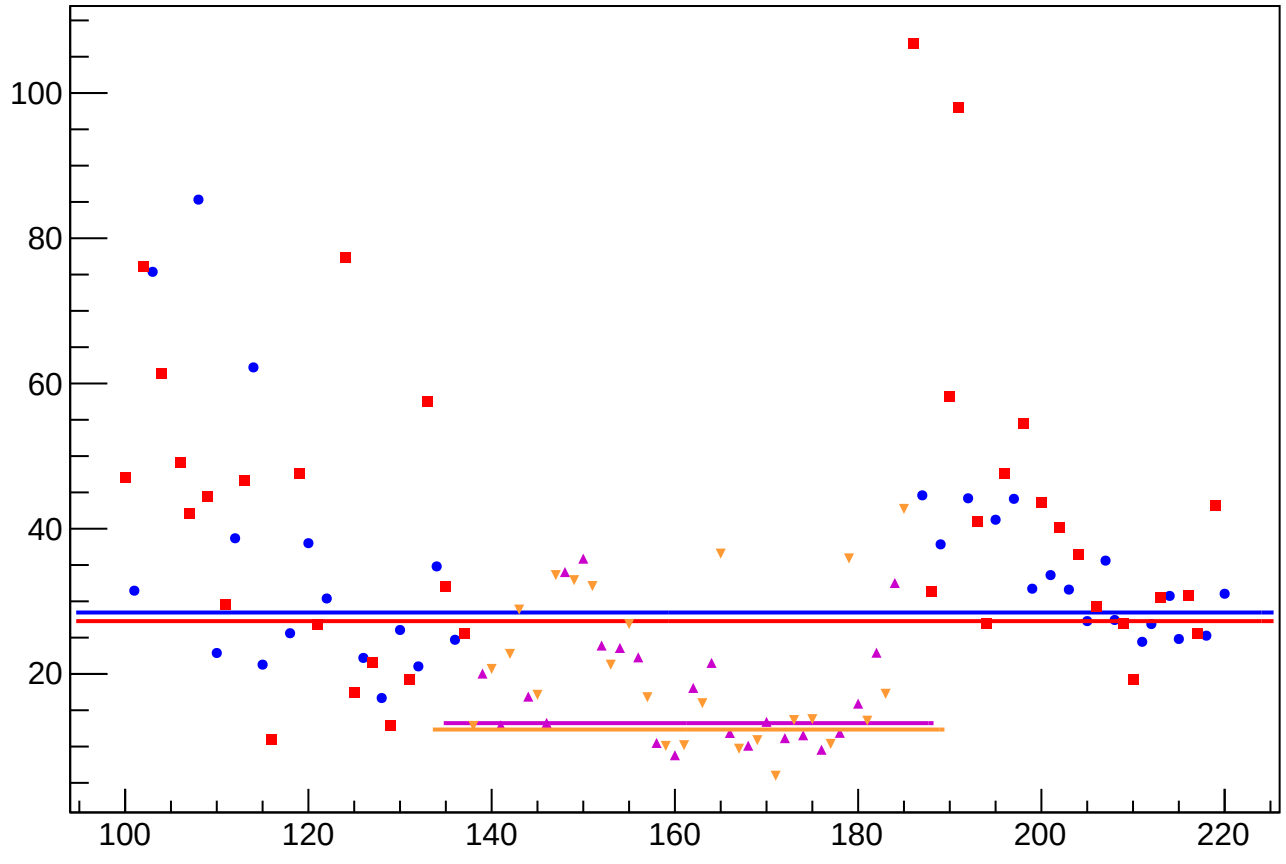
Right Out: 0.000+/-0.007 χ^2/NDF: 53.9/36

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.9/57

All: 0.006+/-0.002 χ^2/NDF: 186.0/117

- sign 0.003+/-0.003 χ^2/NDF: 91.3/59



Right In: 28.461+/-0.005 χ^2/NDF: 2368373.6/32

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

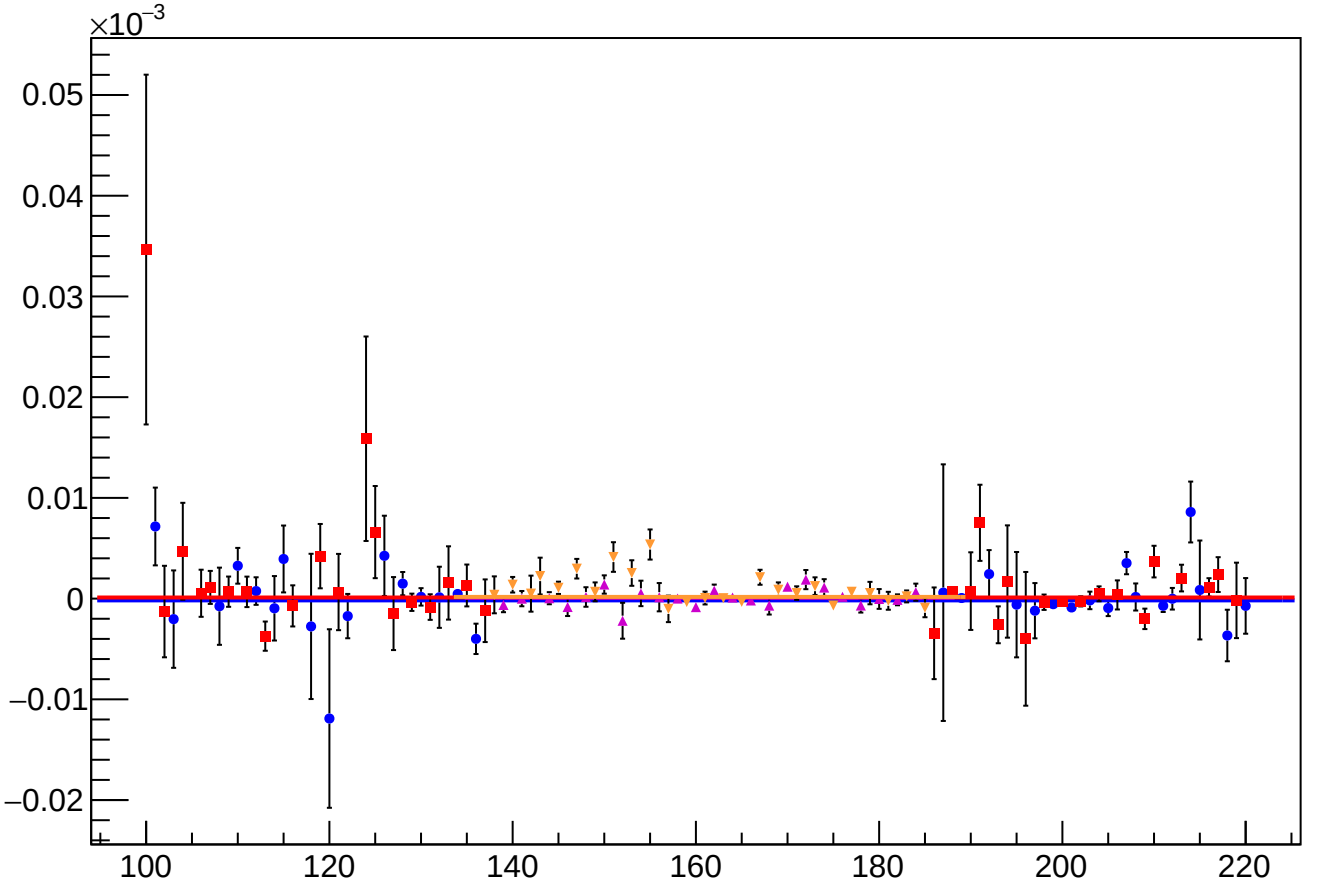
Right Out: 27.274+/-0.005 χ^2/NDF: 6232061.9/36

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 15.540+/-0.002 χ^2/NDF: 17752127.2/57

All: 15.850+/-0.002 χ^2/NDF: 34200661.0/117

- sign 16.187+/-0.002 χ^2/NDF: 16406664.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 52.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

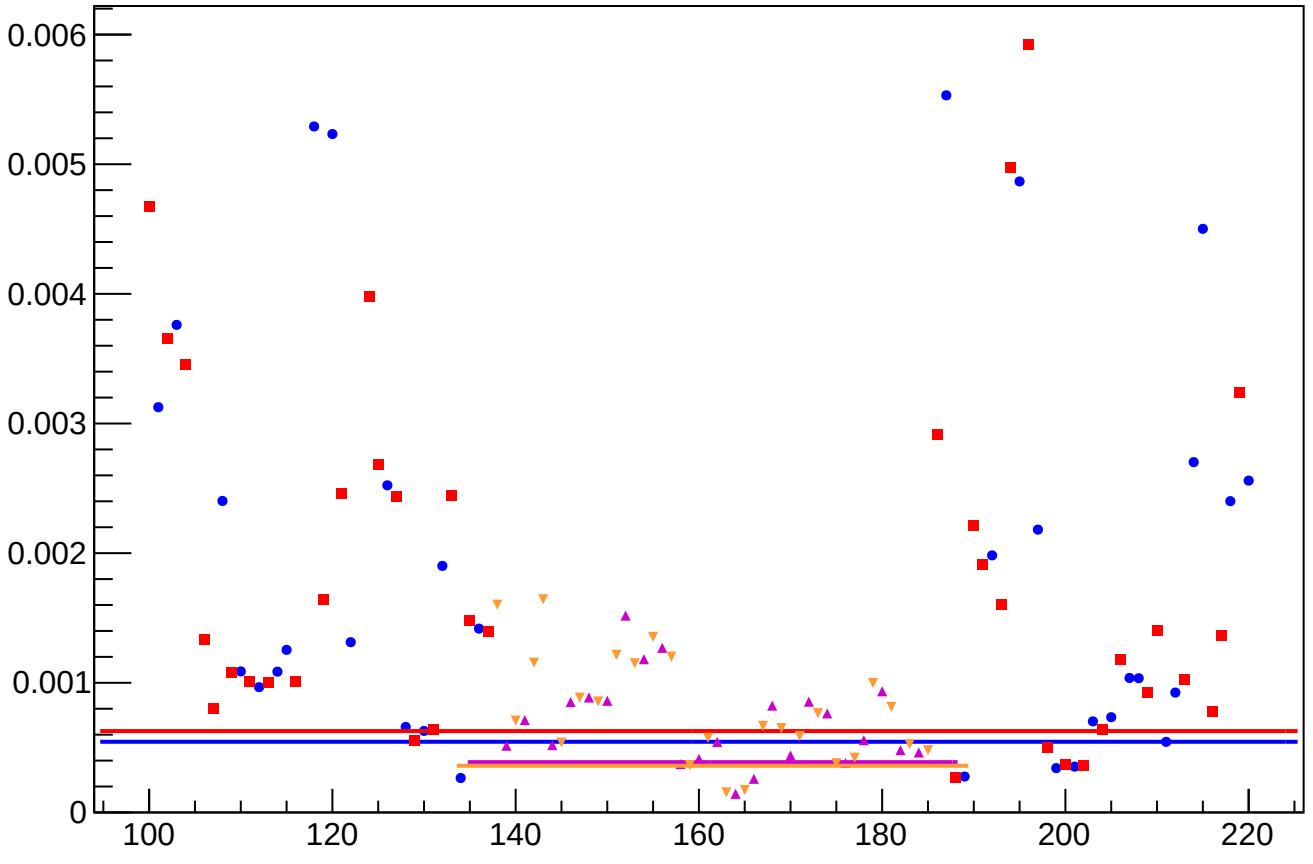
Right Out: 0.000+/-0.000 χ^2/NDF: 46.2/36

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 117.4/57

All: 0.000+/-0.000 χ^2/NDF: 188.1/117

- sign 0.000+/-0.000 χ^2/NDF: 70.6/59



Right In: 0.001+/-0.000 χ^2/NDF: 17120422.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

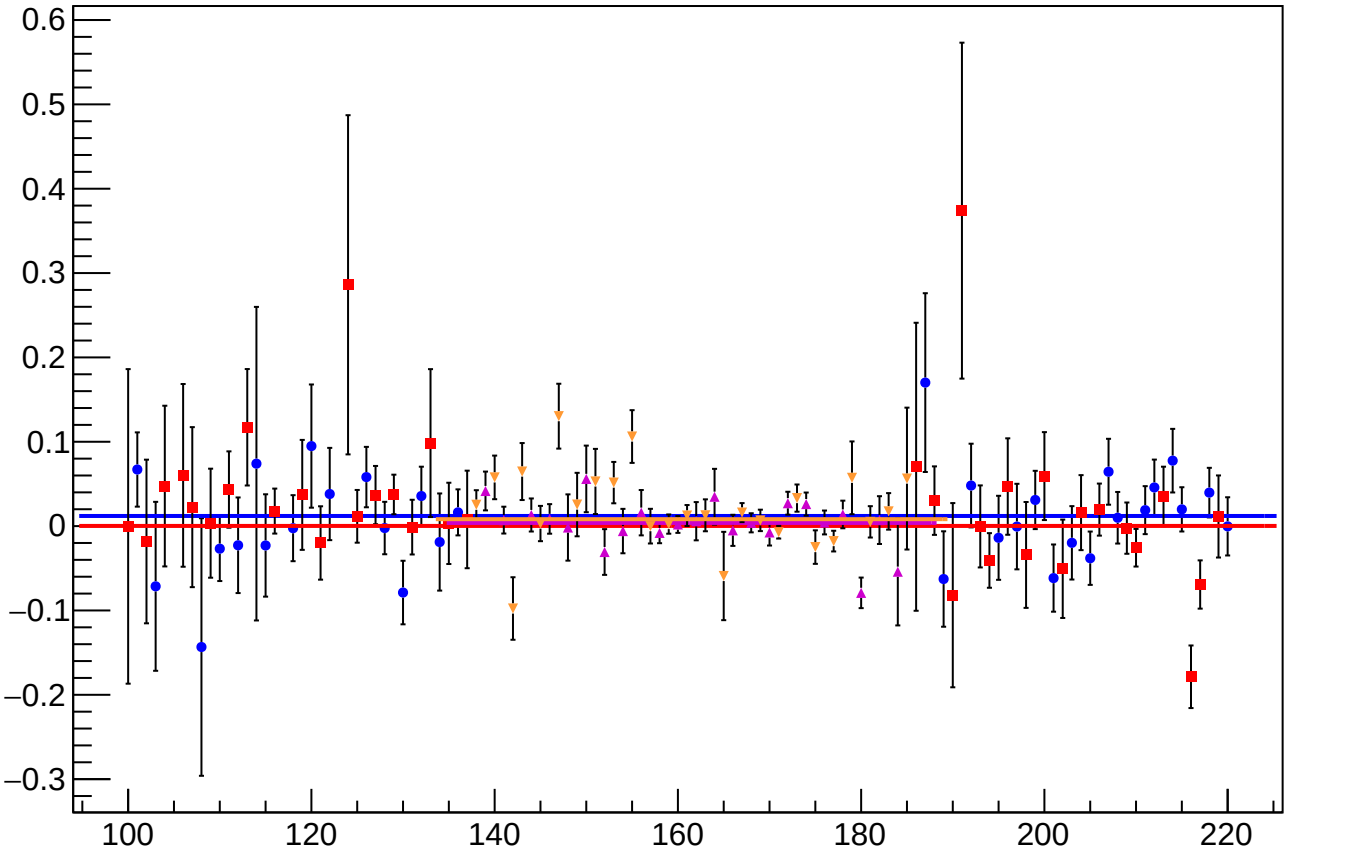
Right Out: 0.001+/-0.000 χ^2/NDF: 14453562.7/36

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 32896565.2/57

All: 0.000+/-0.000 χ^2/NDF: 60358853.9/117

- sign 0.000+/-0.000 χ^2/NDF: 27292157.4/59



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/32

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

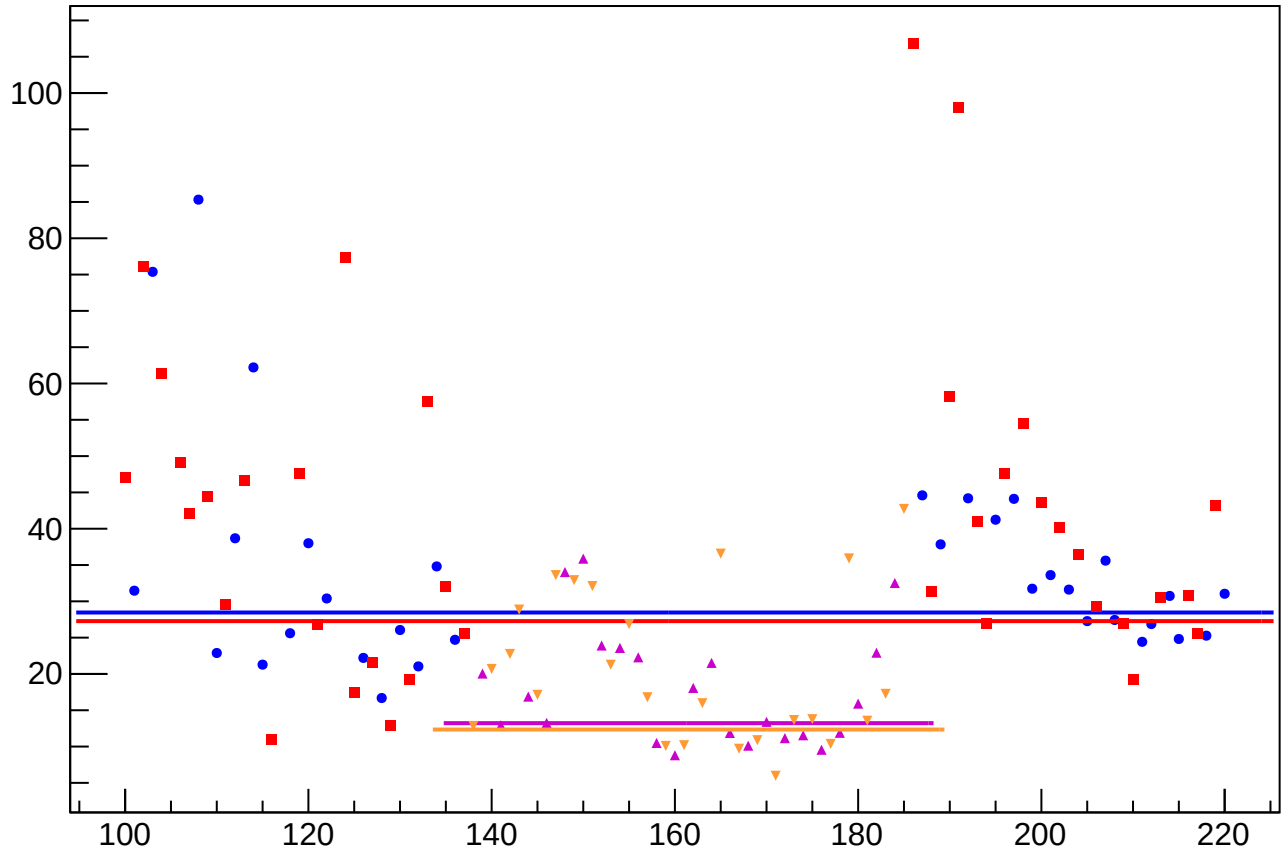
Right Out: 0.000+/-0.007 χ^2/NDF: 53.9/36

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.9/57

All: 0.006+/-0.002 χ^2/NDF: 186.0/117

- sign 0.003+/-0.003 χ^2/NDF: 91.3/59



Right In: 28.462+/-0.005 χ^2/NDF: 2368245.9/32

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

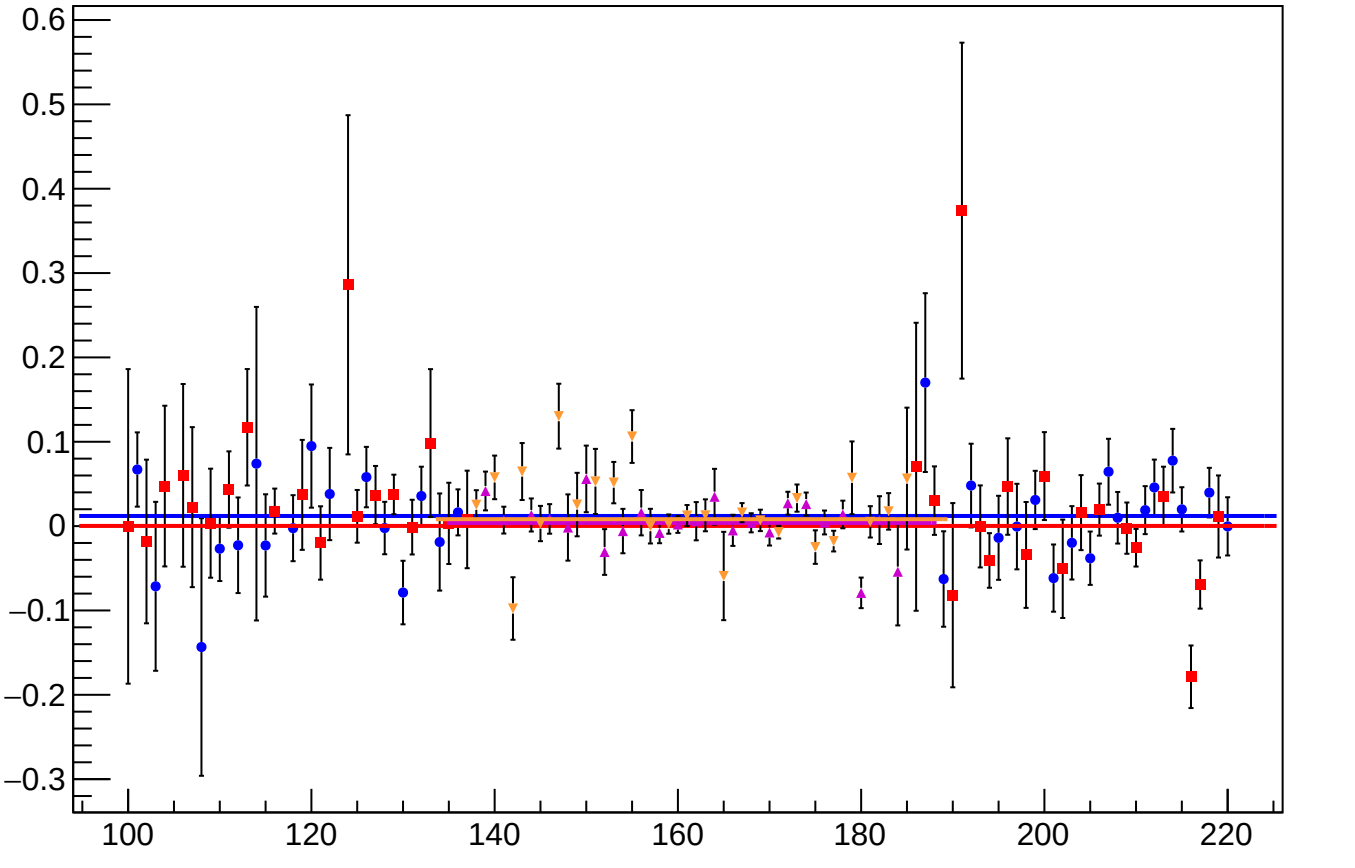
Right Out: 27.274+/-0.005 χ^2/NDF: 6231761.6/36

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 15.541+/-0.002 χ^2/NDF: 17752437.9/57

All: 15.850+/-0.002 χ^2/NDF: 34201103.1/117

- sign 16.187+/-0.002 χ^2/NDF: 16406799.6/59



Right In: 0.012+/-0.007 χ^2/NDF: 33.9/32

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

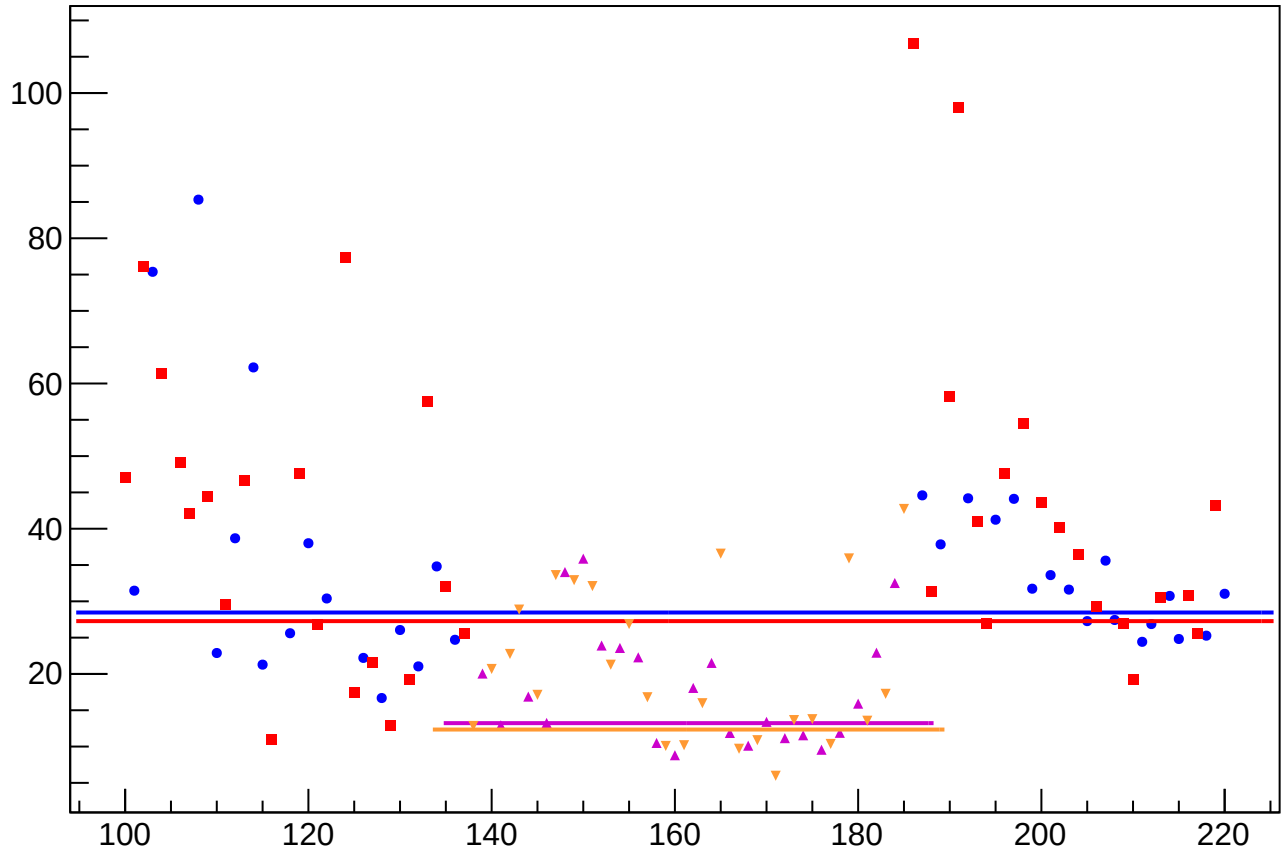
Right Out: 0.000+/-0.007 χ^2/NDF: 53.9/36

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.009+/-0.003 χ^2/NDF: 92.9/57

All: 0.006+/-0.002 χ^2/NDF: 186.0/117

- sign 0.003+/-0.003 χ^2/NDF: 91.3/59



Right In: 28.462+/-0.005 χ^2/NDF: 2368245.9/32

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

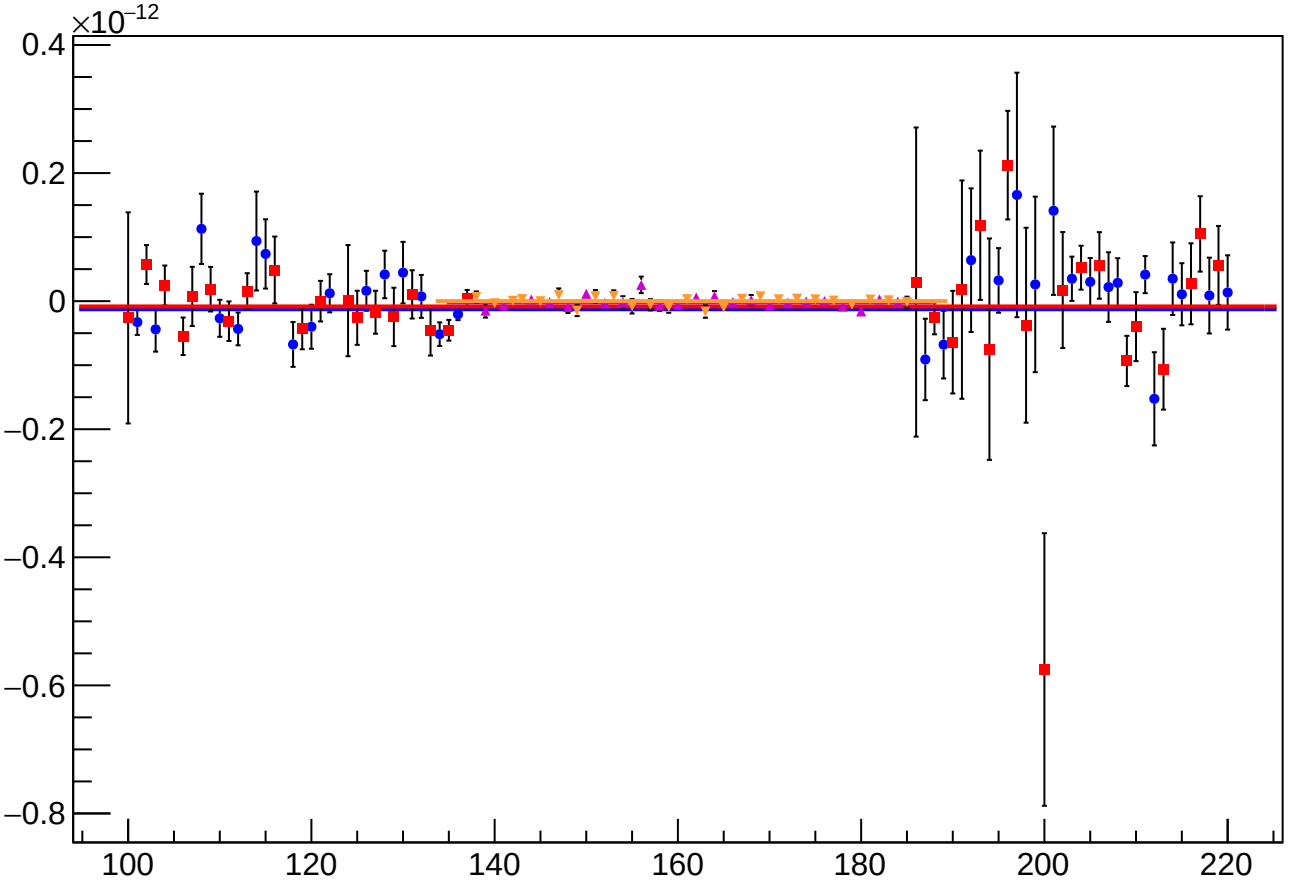
Right Out: 27.274+/-0.005 χ^2/NDF: 6231761.6/36

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 15.541+/-0.002 χ^2/NDF: 17752437.9/57

All: 15.850+/-0.002 χ^2/NDF: 34201103.1/117

- sign 16.187+/-0.002 χ^2/NDF: 16406799.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 46.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

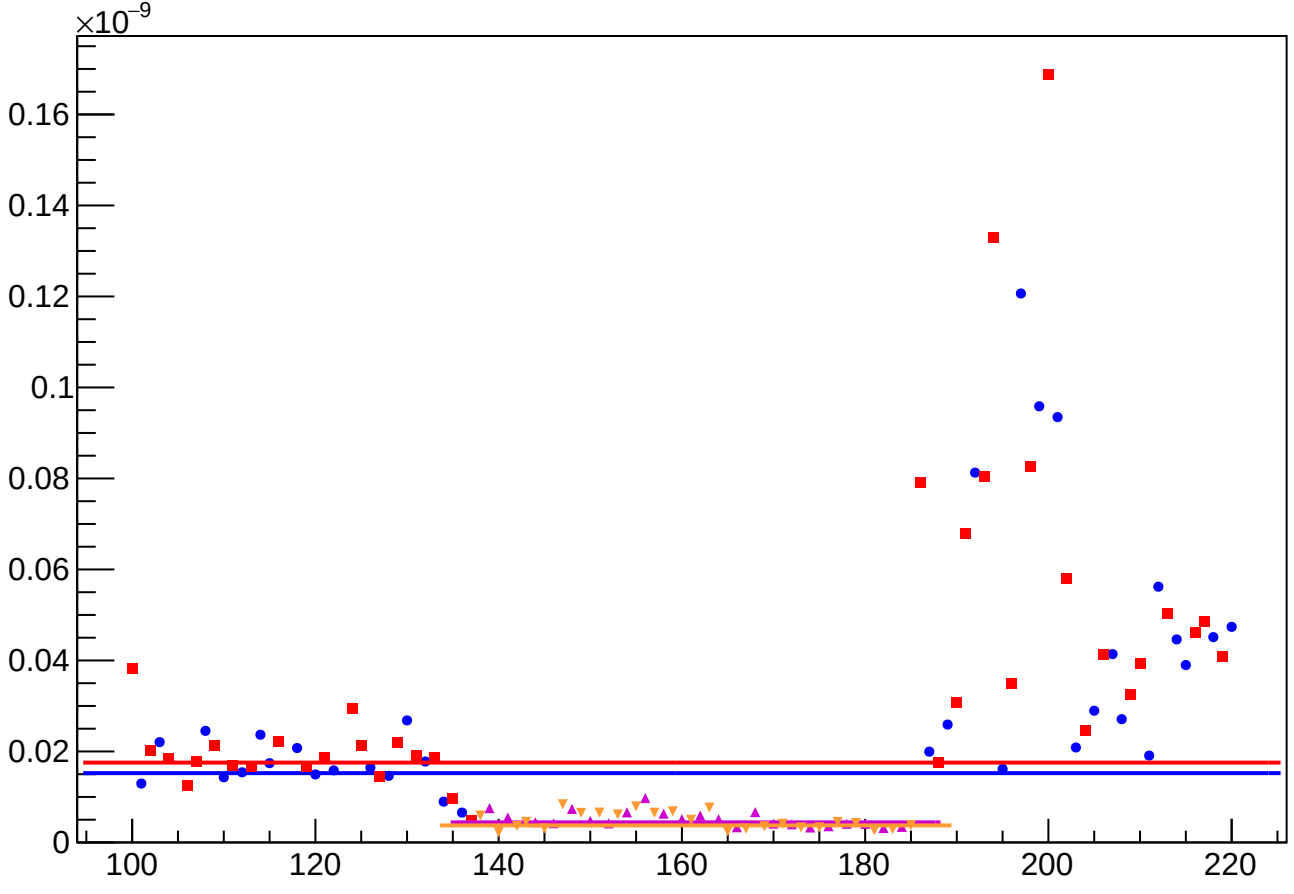
Right Out: -0.000+/-0.000 χ^2/NDF: 53.9/36

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.1/57

All: -0.000+/-0.000 χ^2/NDF: 154.5/117

- sign -0.000+/-0.000 χ^2/NDF: 80.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 8963002.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9005481.2/36

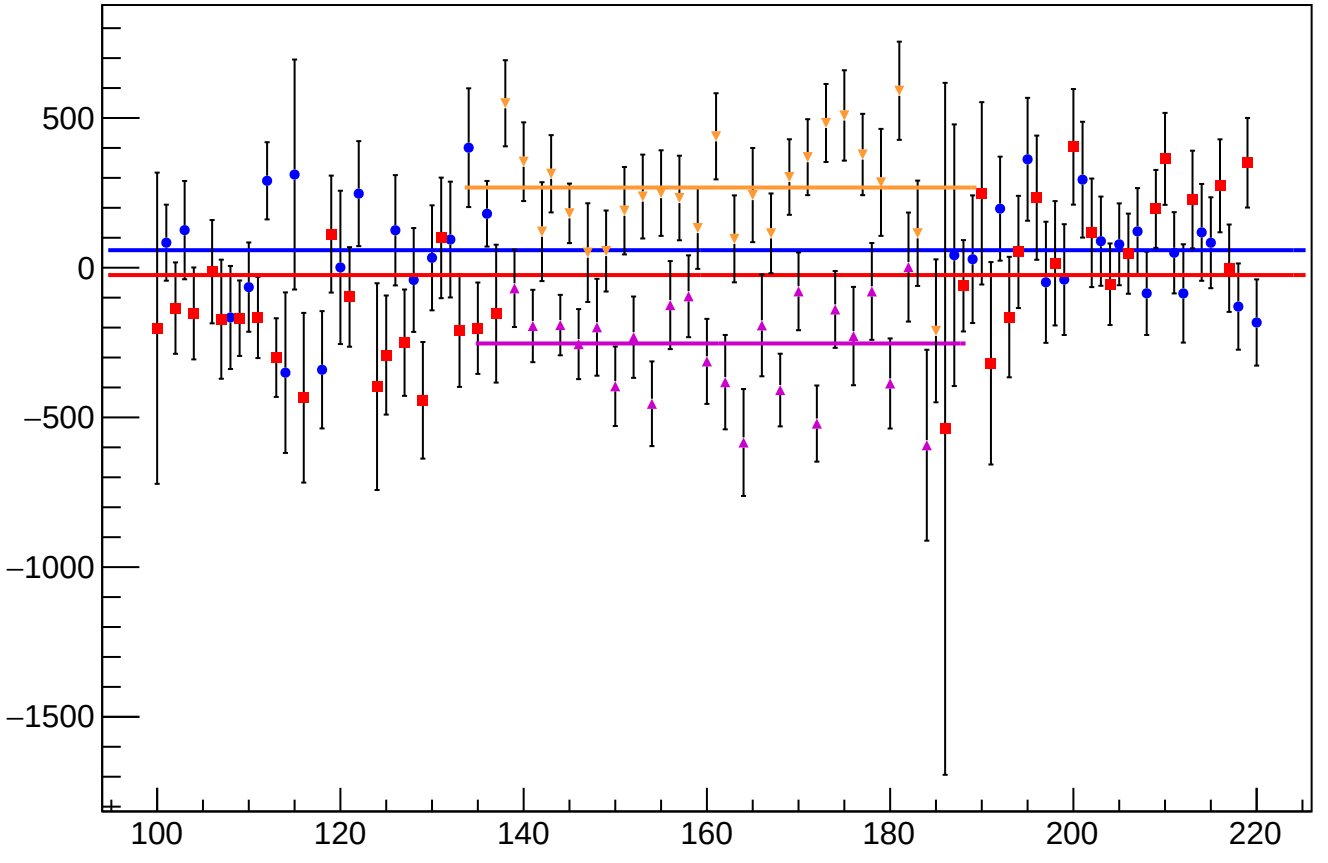
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 20621843.6/57

All: 0.000+/-0.000 χ^2/NDF: 40717604.2/117

- sign 0.000+/-0.000 χ^2/NDF: 19702809.5/59

reg_asym_sam_48_dd_mean vs Slug



Right In: 58.482+/-28.921 χ^2/NDF: 30.4/32

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -24.559+/-28.789 χ^2/NDF: 55.3/36

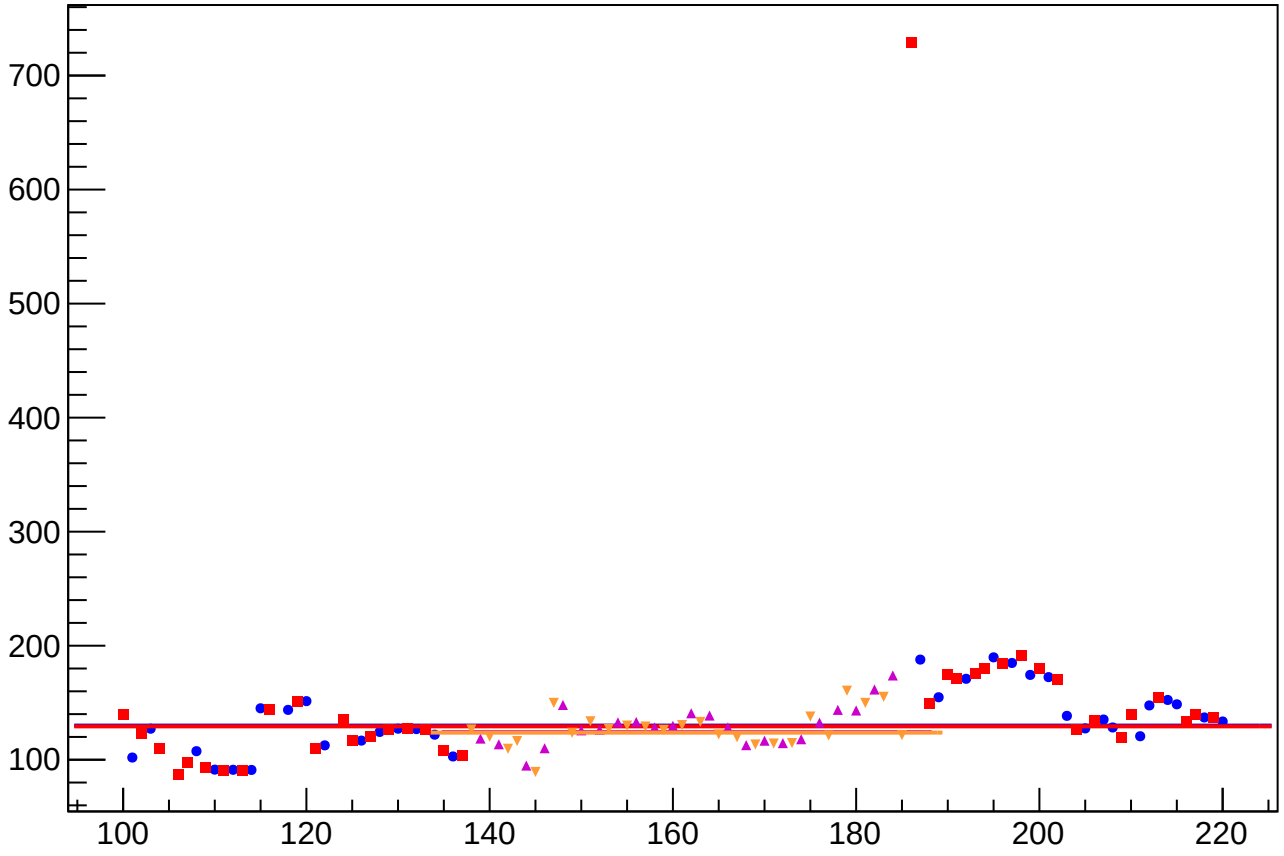
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 165.009+/-20.266 χ^2/NDF: 88.0/57

All: 16.153+/-14.426 χ^2/NDF: 309.7/117

- sign -136.742+/-20.540 χ^2/NDF: 112.4/59

reg_asym_sam_48_dd_rms vs Slug



Right In: 129.928+/-0.020 χ^2/NDF: 1495925.8/32

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 129.257+/-0.020 χ^2/NDF: 2404627.4/36

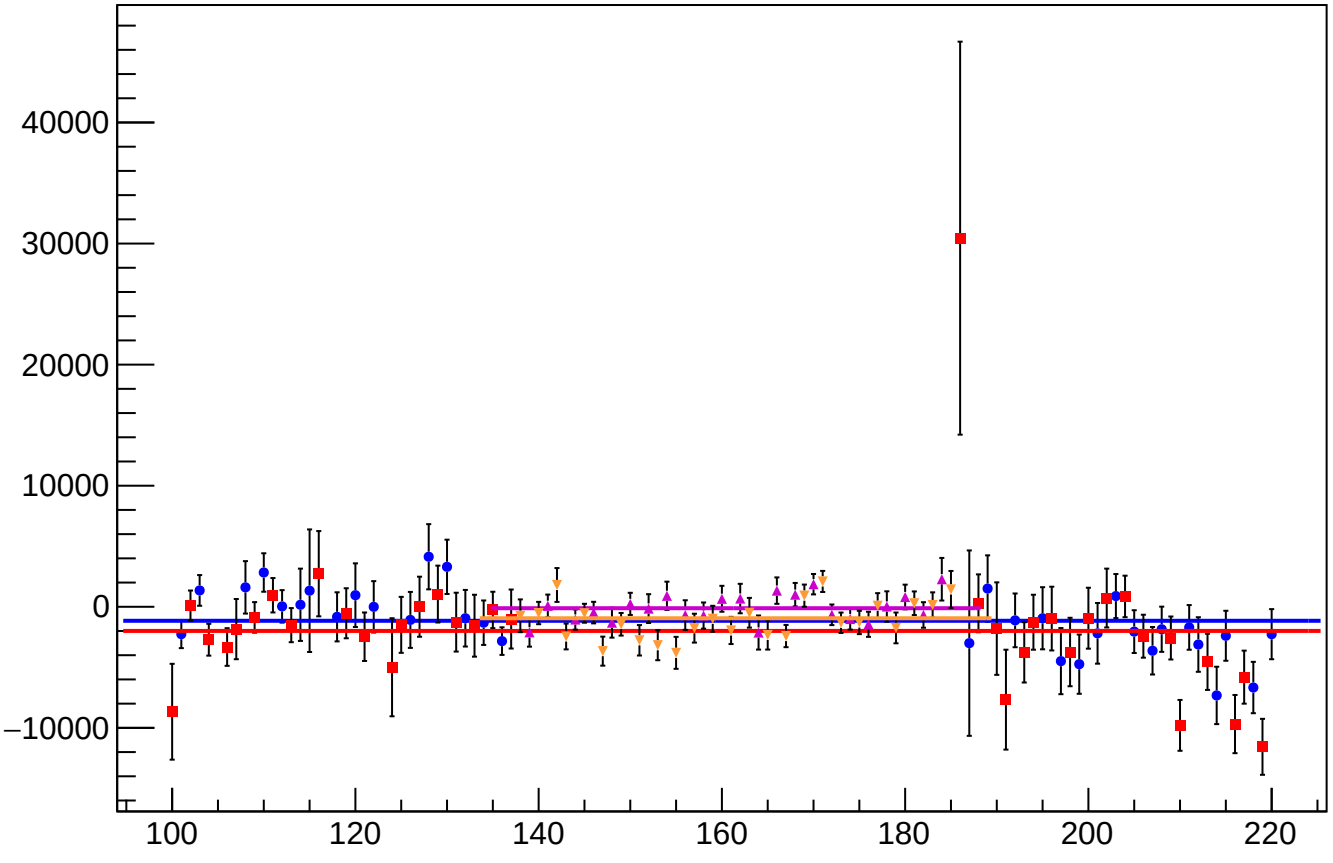
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 126.813+/-0.014 χ^2/NDF: 2139963.6/57

All: 126.808+/-0.010 χ^2/NDF: 5131402.1/117

- sign 126.803+/-0.015 χ^2/NDF: 2991438.2/59

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -1156.475+/-341.646 χ^2/NDF: 48.0/32

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1993.346+/-337.041 χ^2/NDF: 76.6/36

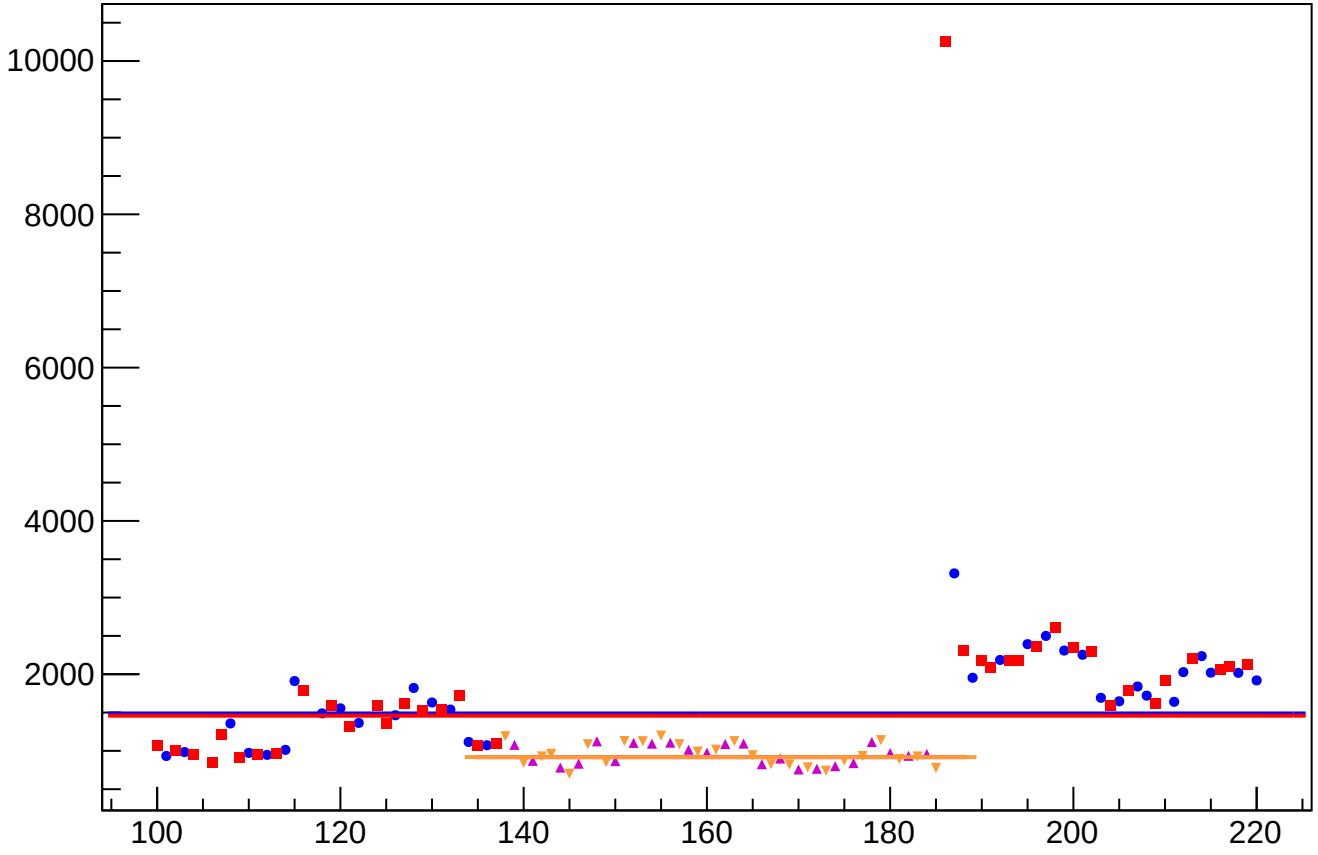
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -1005.674+/-180.010 χ^2/NDF: 98.6/57

All: -839.436+/-128.176 χ^2/NDF: 223.1/117

- sign -668.470+/-182.552 χ^2/NDF: 122.9/59

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1487.840+/-0.242 χ^2/NDF: 3891295.8/32

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1459.192+/-0.238 χ^2/NDF: 5294077.0/36

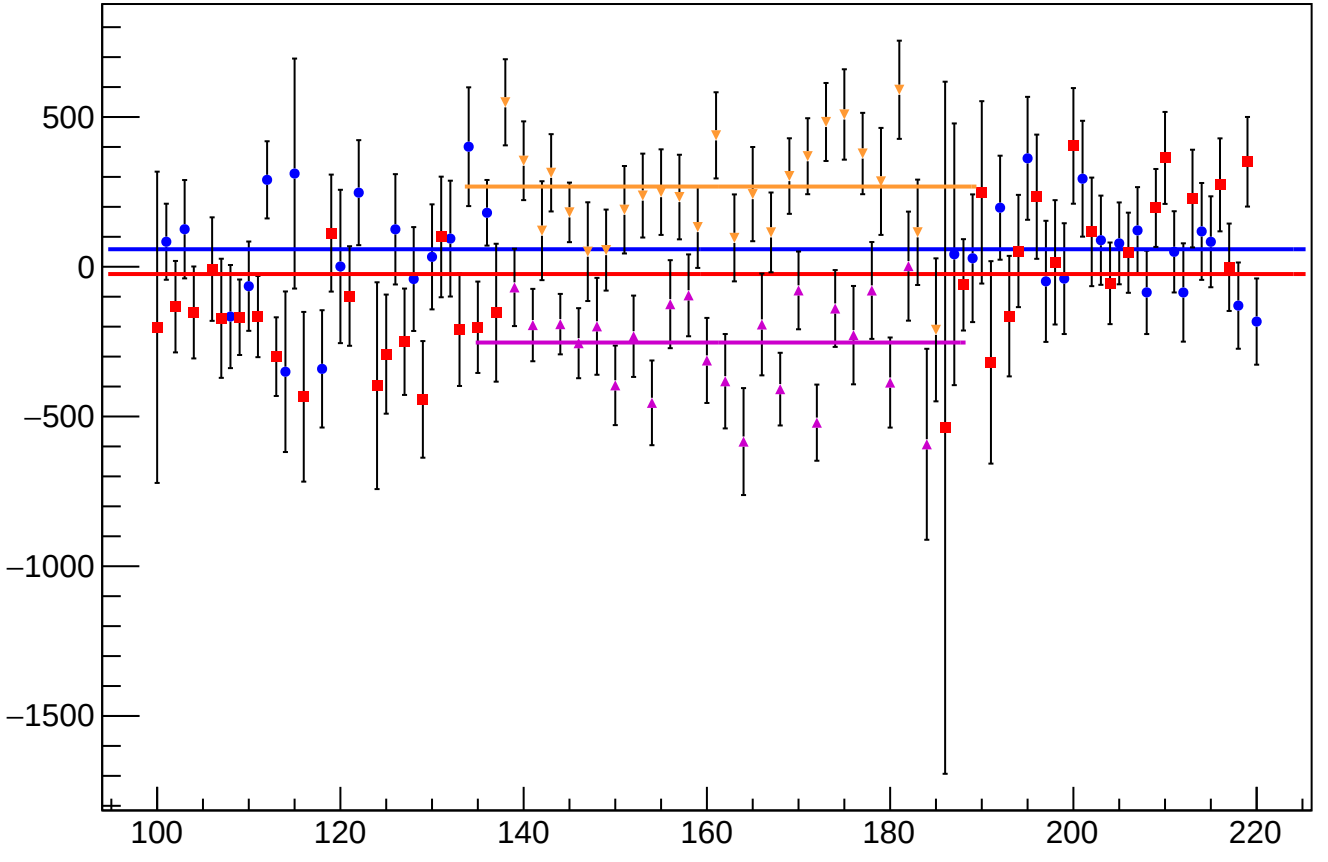
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1076.558+/-0.127 χ^2/NDF: 8791354.7/57

All: 1076.736+/-0.091 χ^2/NDF: 18392680.7/1

- sign 1076.919+/-0.129 χ^2/NDF: 9601322.0/59

cor_asym_sam_48_dd_mean vs Slug



Right In: 58.477+/-28.921 χ^2/NDF: 30.4/32

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -24.349+/-28.791 χ^2/NDF: 55.2/36

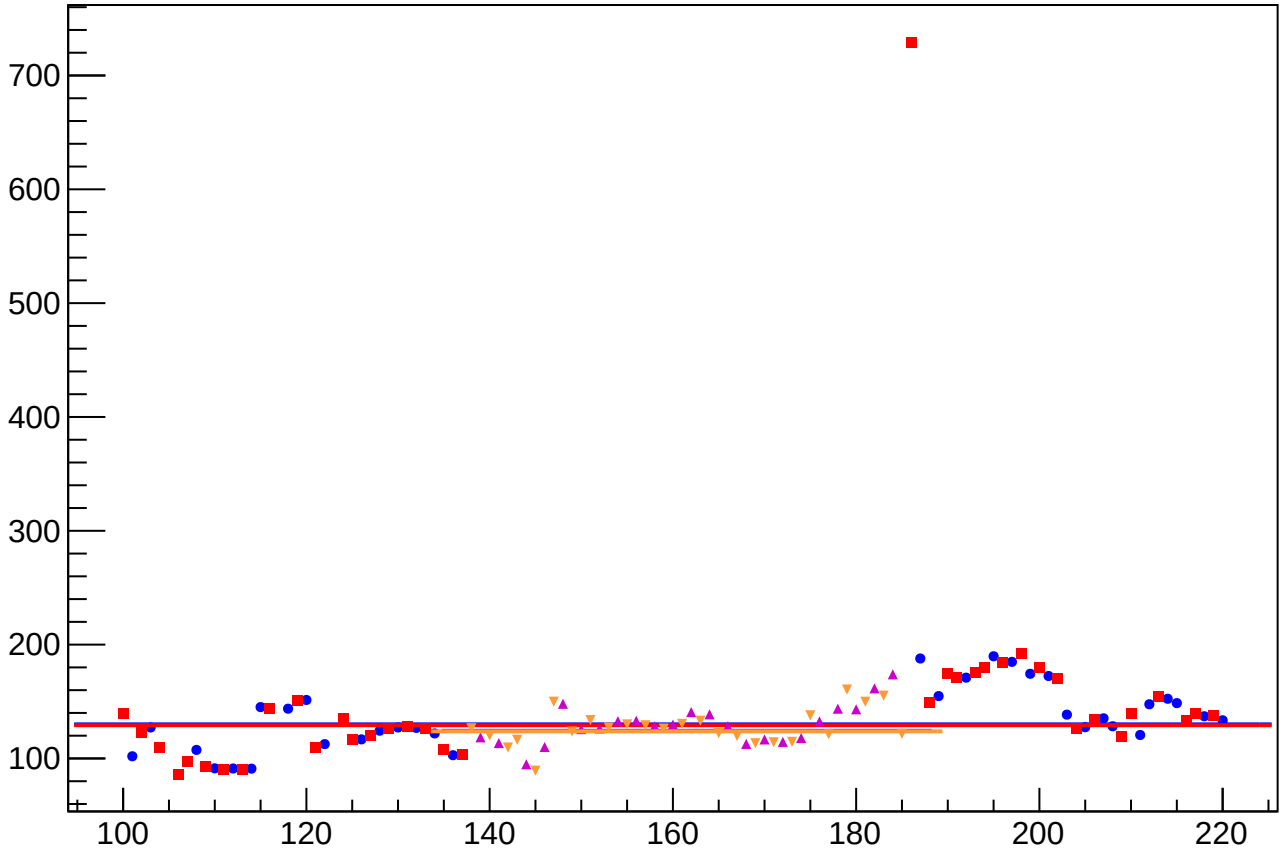
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 165.011+/-20.266 χ^2/NDF: 88.0/57

All: 16.208+/-14.426 χ^2/NDF: 309.7/117

- sign -136.645+/-20.540 χ^2/NDF: 112.4/59

cor_asym_sam_48_dd_rms vs Slug



Right In: 129.928+/-0.020 χ^2/NDF: 1495925.6/32

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 129.231+/-0.020 χ^2/NDF: 2410693.7/36

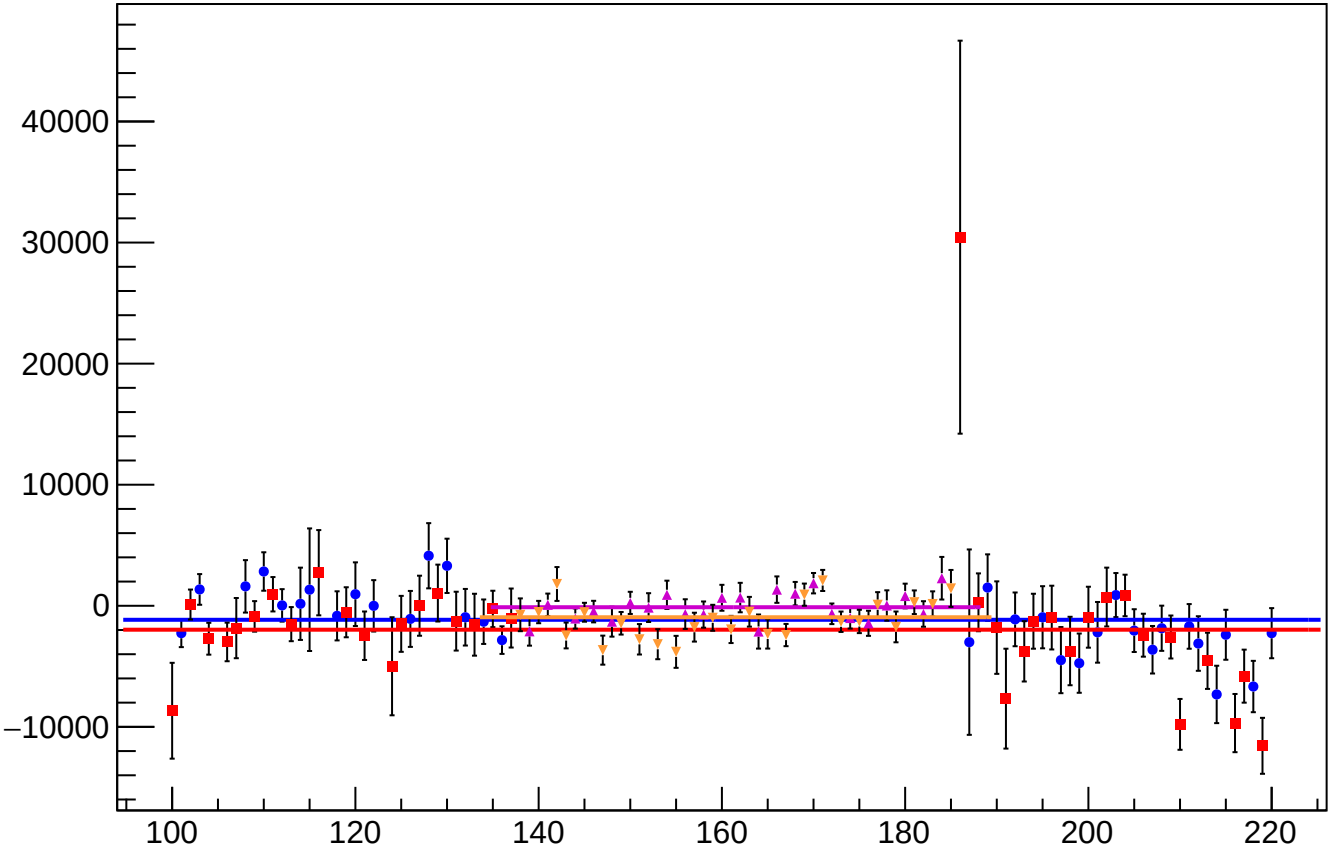
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 126.813+/-0.014 χ^2/NDF: 2139963.7/57

All: 126.802+/-0.010 χ^2/NDF: 5137167.3/117

- sign 126.790+/-0.015 χ^2/NDF: 2997202.4/59

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -1156.534+/-341.648 χ^2/NDF: 48.0/32

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1975.788+/-337.412 χ^2/NDF: 76.2/36

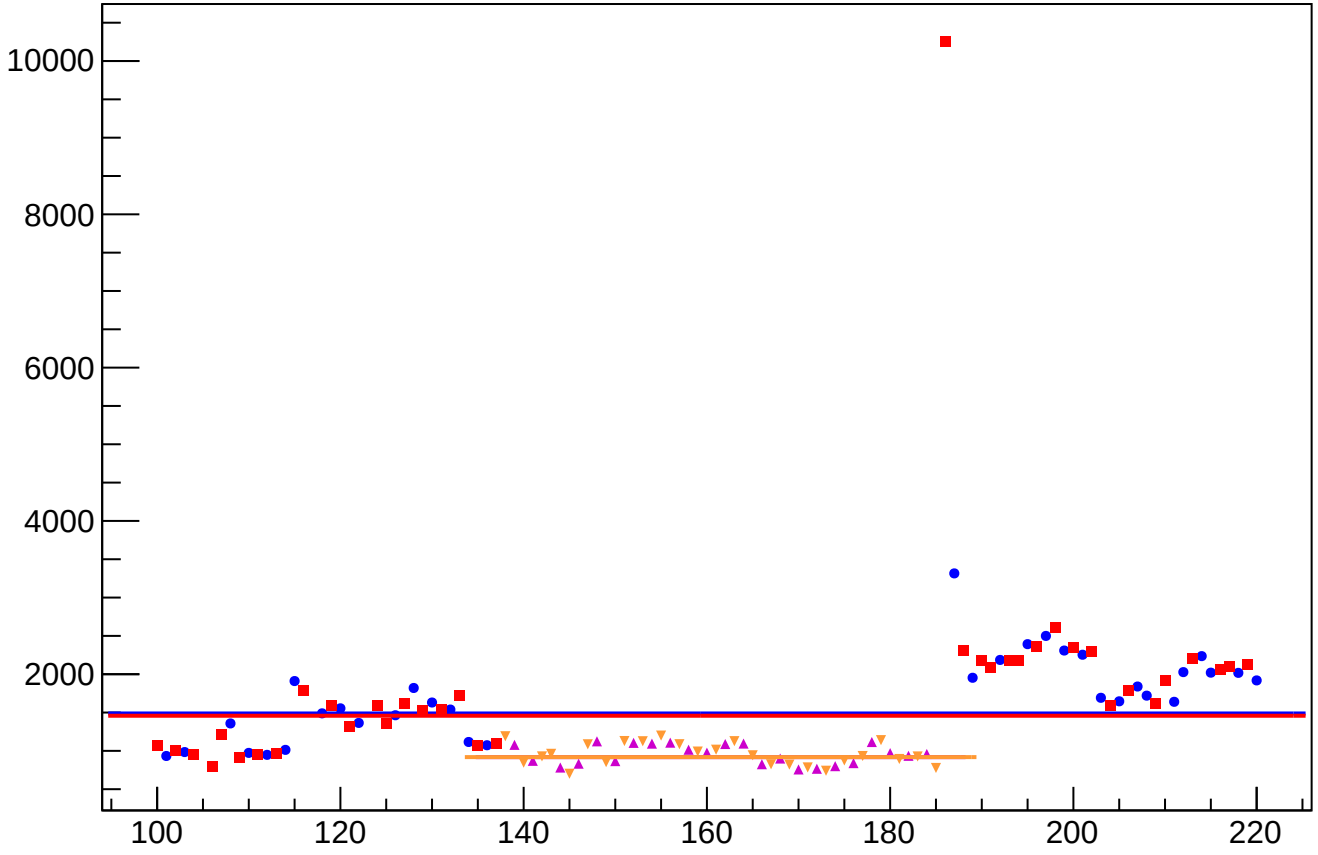
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -1005.682+/-180.011 χ^2/NDF: 98.6/57

All: -836.539+/-128.196 χ^2/NDF: 222.4/117

- sign -662.473+/-182.611 χ^2/NDF: 122.1/59

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1487.848+/-0.242 χ^2/NDF: 3891186.4/32

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1458.290+/-0.239 χ^2/NDF: 5330116.8/36

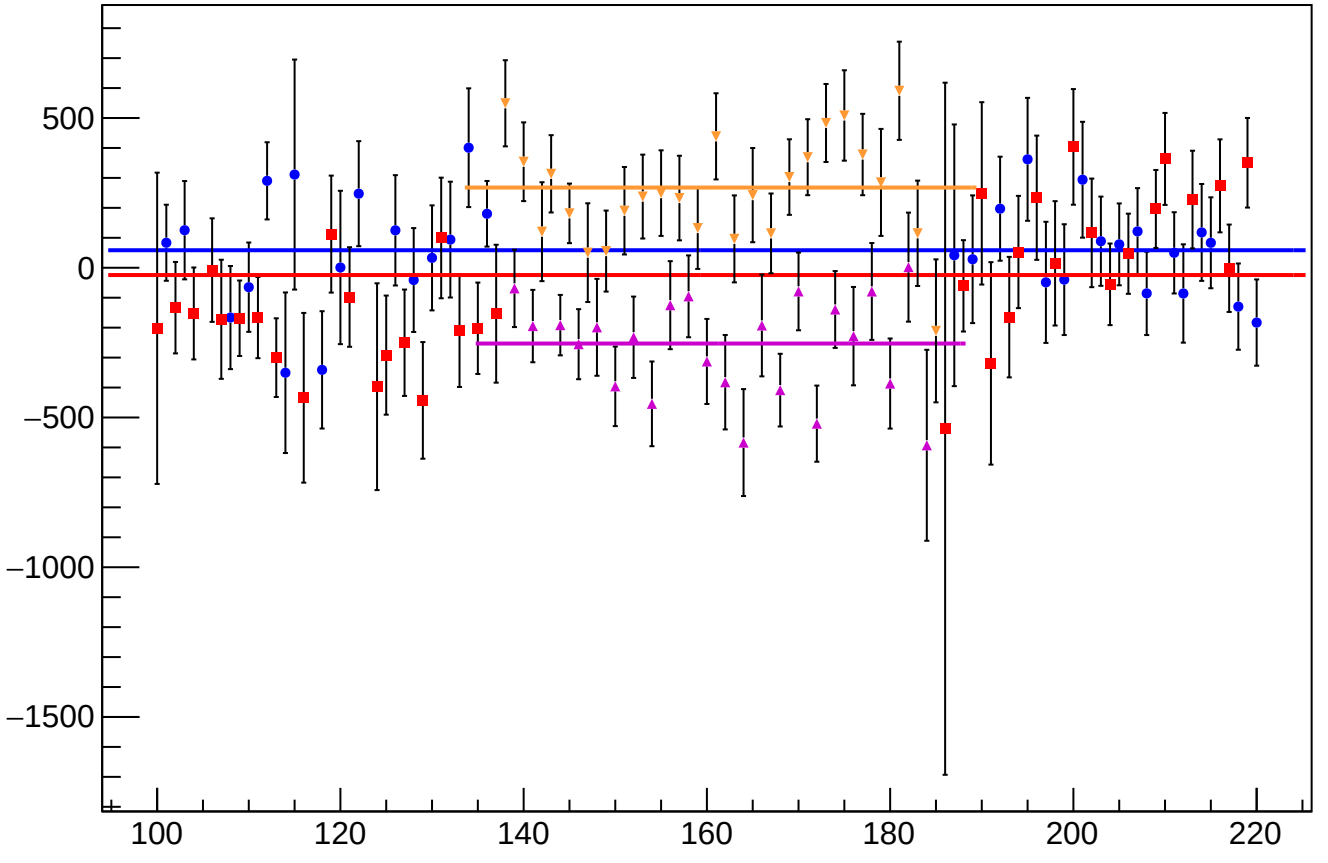
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1076.559+/-0.127 χ^2/NDF: 8791339.9/57

All: 1076.485+/-0.091 χ^2/NDF: 18410928.0/1

- sign 1076.408+/-0.129 χ^2/NDF: 9619587.4/59

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 58.477+/-28.921 χ^2/NDF: 30.4/32

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -24.349+/-28.791 χ^2/NDF: 55.2/36

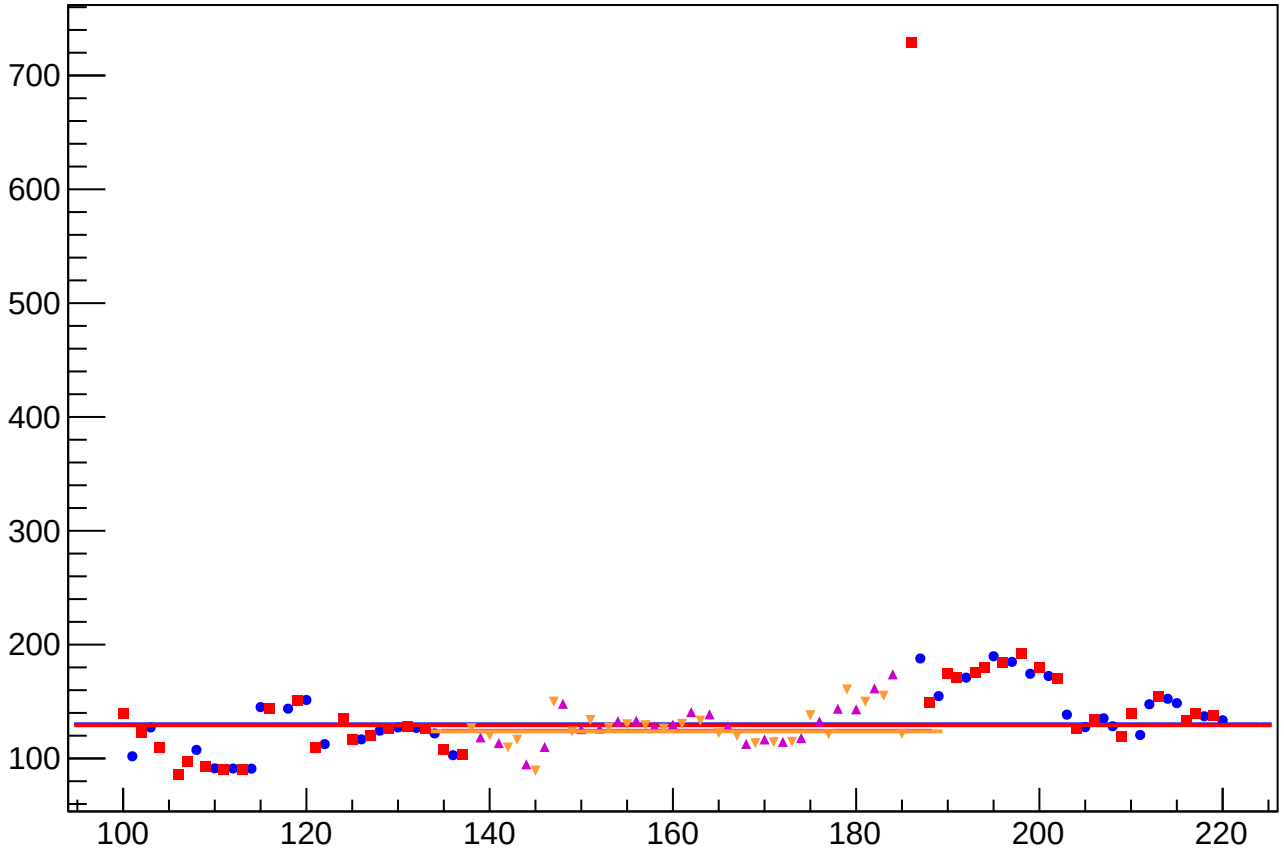
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 165.011+/-20.266 χ^2/NDF: 88.0/57

All: 16.208+/-14.426 χ^2/NDF: 309.7/117

- sign -136.645+/-20.540 χ^2/NDF: 112.4/59

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 129.928+/-0.020 χ^2/NDF: 1495925.6/32

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

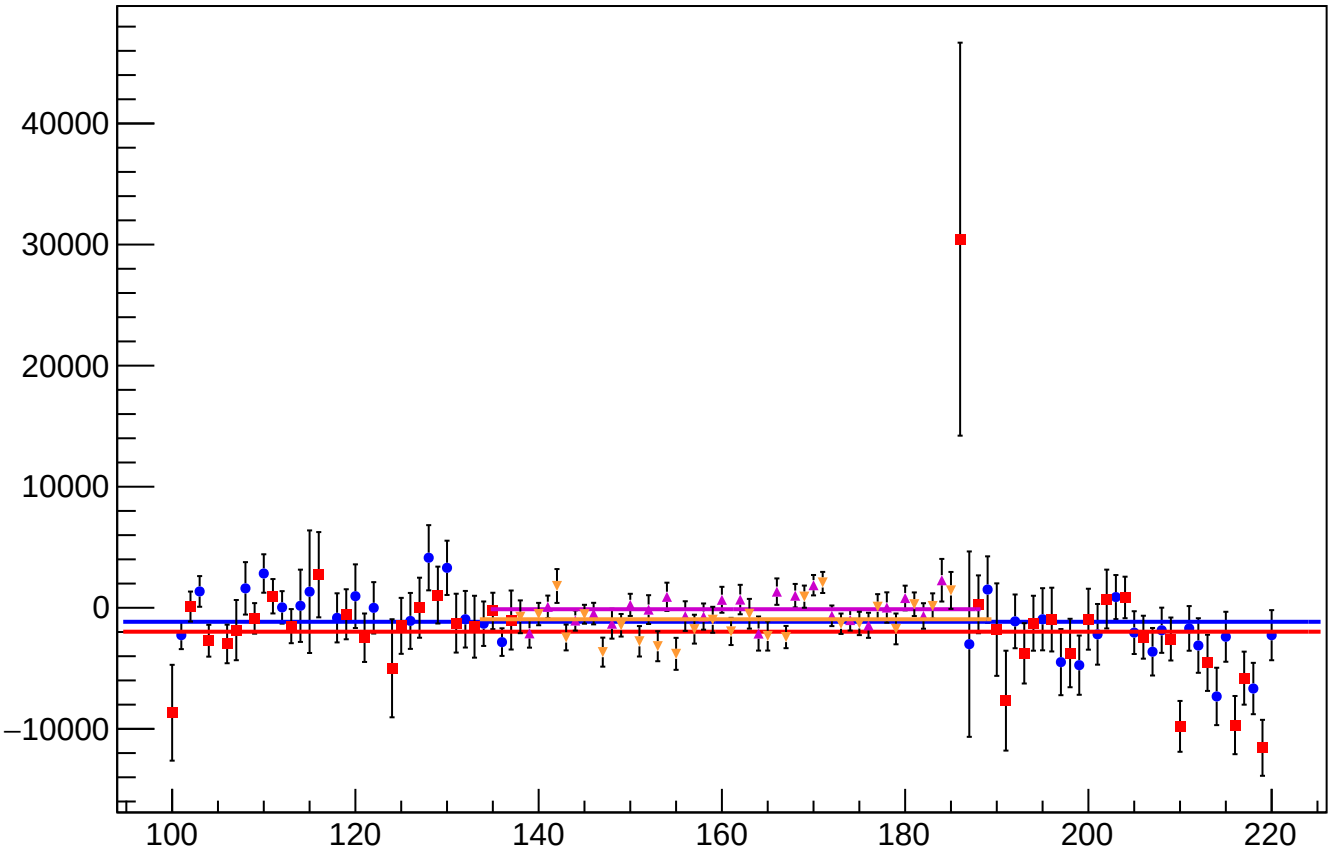
Right Out: 129.231+/-0.020 χ^2/NDF: 2410693.7/36

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 126.813+/-0.014 χ^2/NDF: 2139963.7/57

All: 126.802+/-0.010 χ^2/NDF: 5137167.3/117

- sign 126.790+/-0.015 χ^2/NDF: 2997202.4/59



Right In: -1156.534+/-341.648 χ^2/NDF: 48.0/32

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

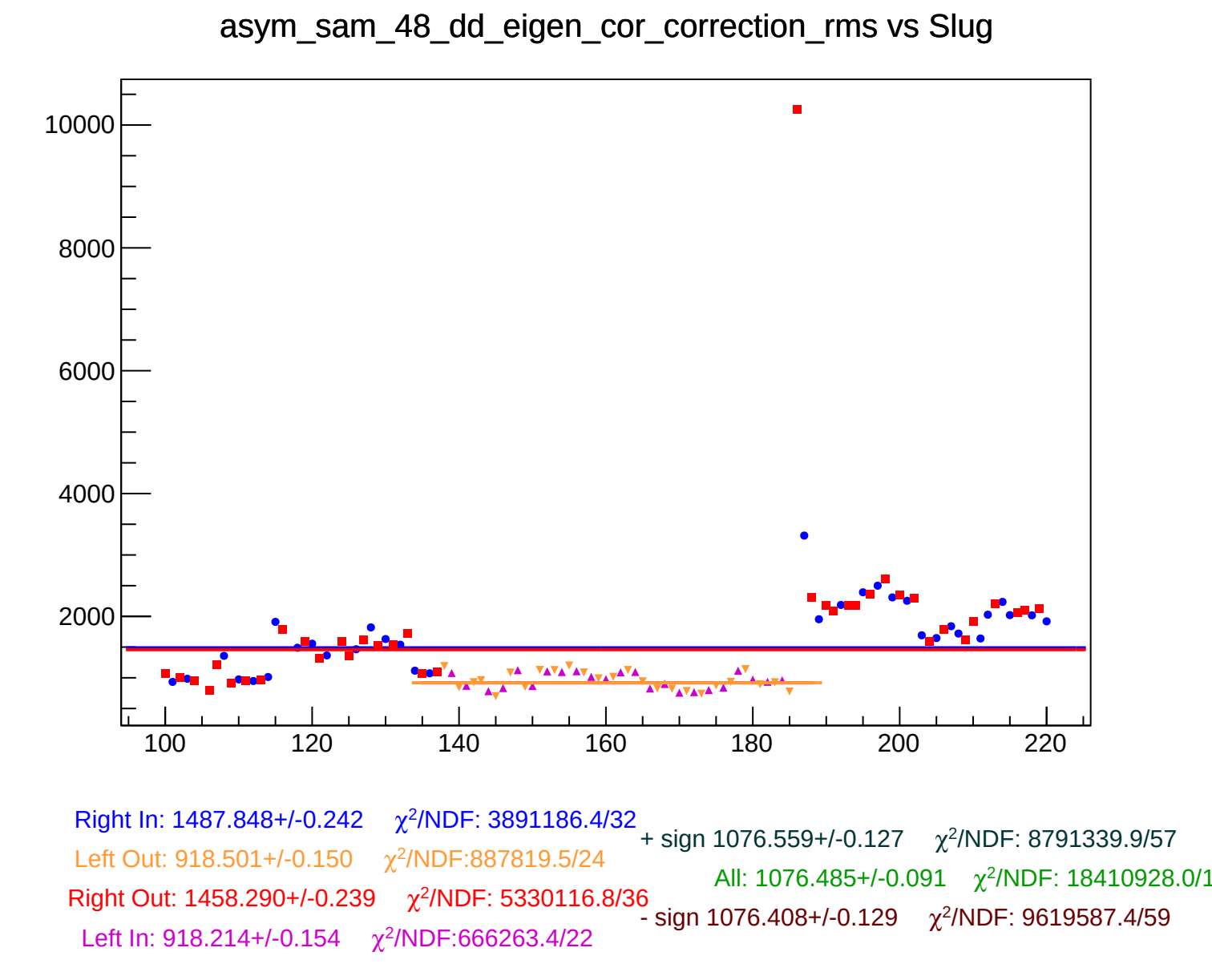
Right Out: -1975.788+/-337.412 χ^2/NDF: 76.2/36

Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

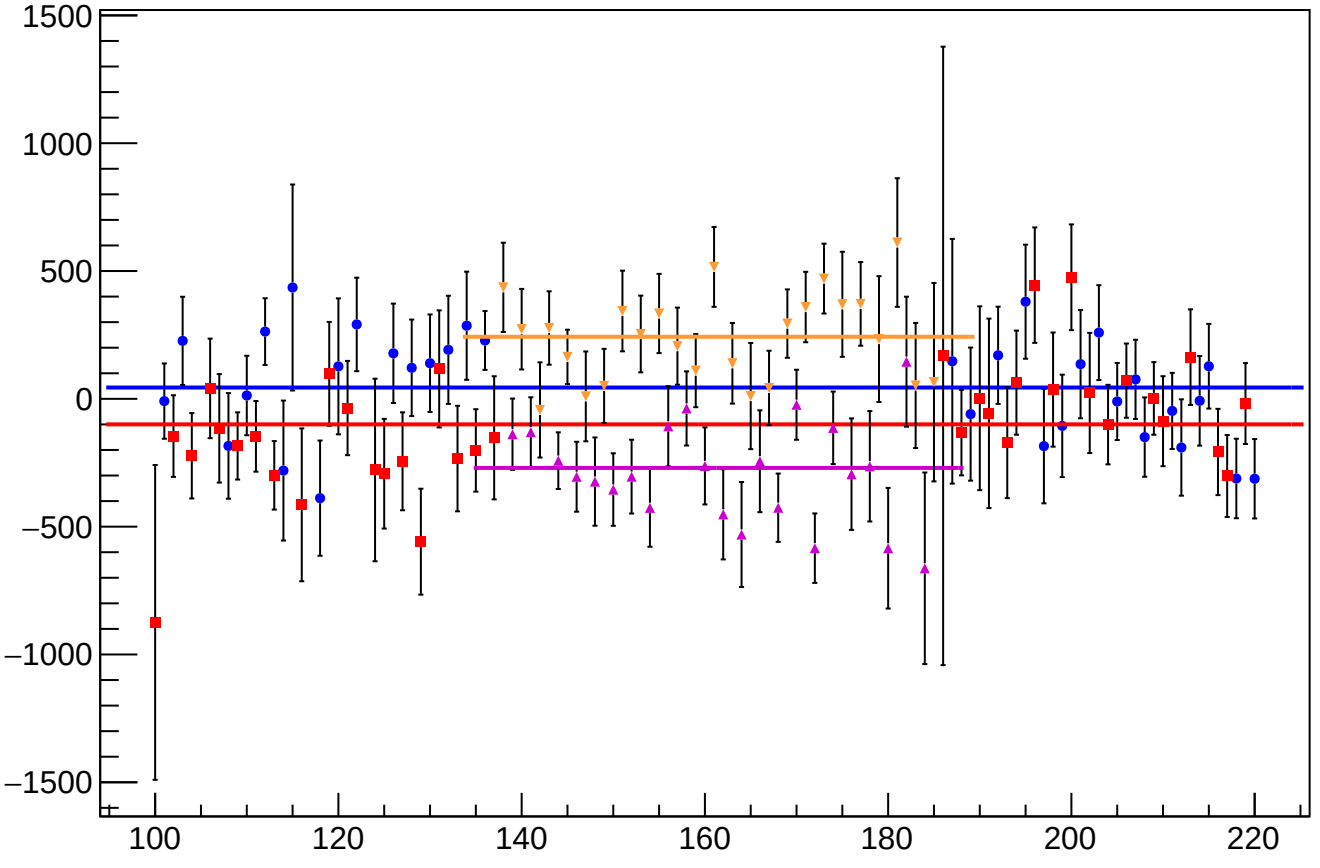
+ sign -1005.682+/-180.011 χ^2/NDF: 98.6/57

All: -836.539+/-128.196 χ^2/NDF: 222.4/117

- sign -662.473+/-182.611 χ^2/NDF: 122.1/59


asym_sam_48_dd_eigen_cor_correction_rms vs Slug
10000
8000
6000
4000
2000
100
120
140
160
180
200
220
Right In: 1487.848+/-0.242 χ²/NDF: 3891186.4/32
Left Out: 918.501+/-0.150 χ²/NDF:887819.5/24
Right Out: 1458.290+/-0.239 χ²/NDF: 5330116.8/36
Left In: 918.214+/-0.154 χ²/NDF:666263.4/22
+ sign 1076.559+/-0.127 χ²/NDF: 8791339.9/57
All: 1076.485+/-0.091 χ²/NDF: 18410928.0/1
- sign 1076.408+/-0.129 χ²/NDF: 9619587.4/59

dit_asym_sam_48_dd_mean vs Slug



Right In: 44.260+/-31.560 χ^2/NDF: 39.1/32

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -99.835+/-31.215 χ^2/NDF: 37.2/36

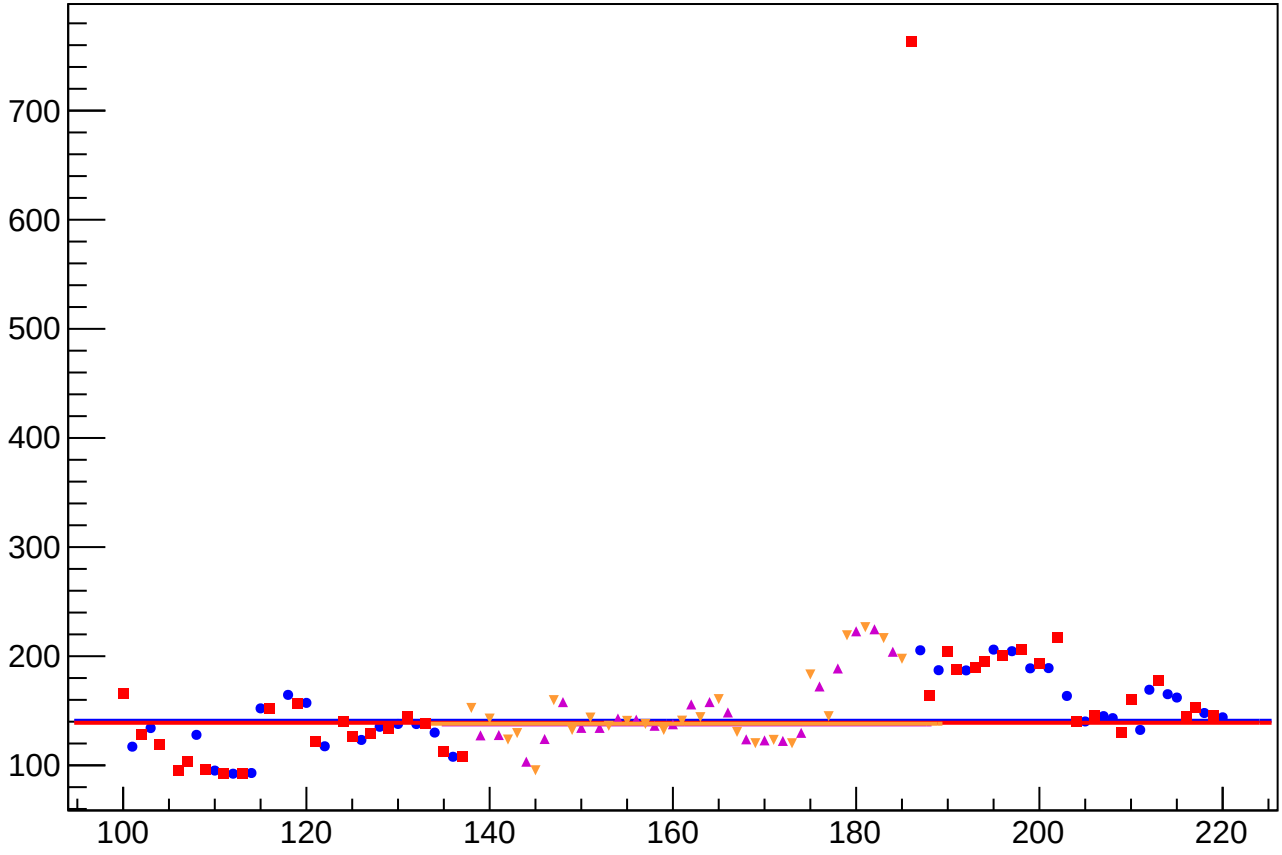
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 141.771+/-22.518 χ^2/NDF: 82.2/57

All: -18.517+/-15.966 χ^2/NDF: 262.2/117

- sign -180.582+/-22.642 χ^2/NDF: 78.1/59

dit_asym_sam_48_dd_rms vs Slug



Right In: 140.832+/-0.022 χ^2/NDF: 1755625.5/32

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 138.994+/-0.022 χ^2/NDF: 2784652.0/36

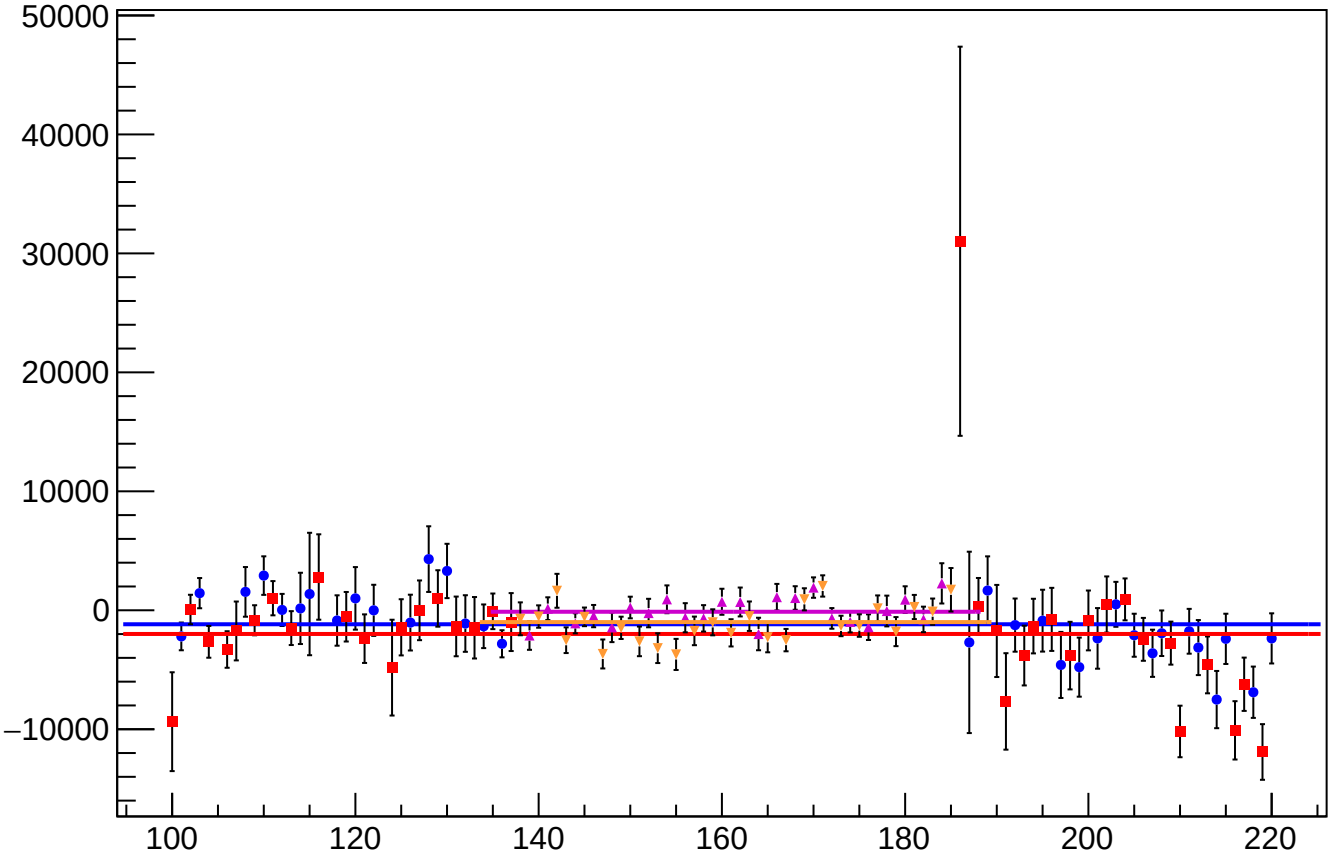
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 139.504+/-0.016 χ^2/NDF: 3101146.4/57

All: 138.896+/-0.011 χ^2/NDF: 7000258.9/117

- sign 138.282+/-0.016 χ^2/NDF: 3896181.9/59

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -1175.479+/-346.076 χ^2/NDF: 48.2/32

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1991.627+/-340.145 χ^2/NDF: 79.6/36

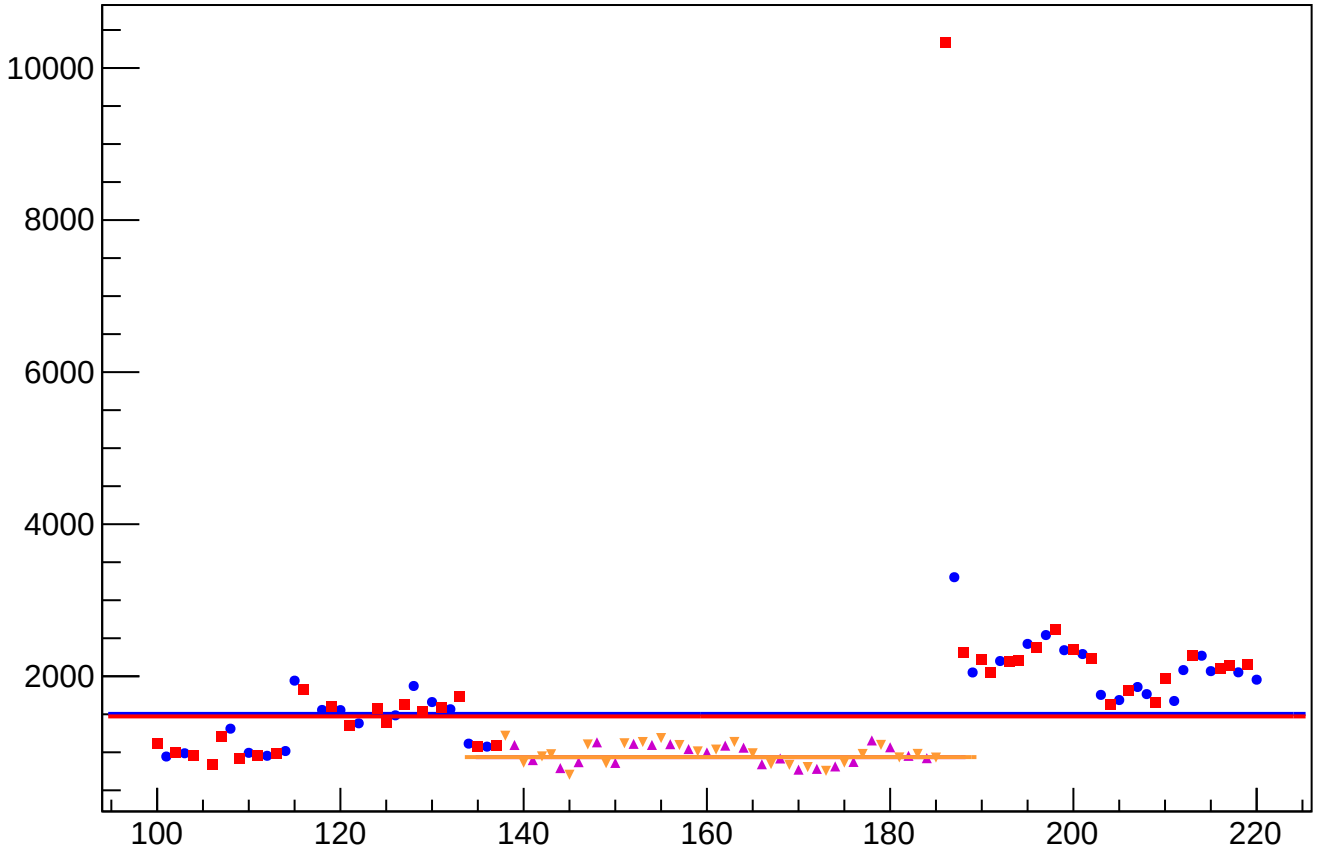
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -1044.209+/-183.026 χ^2/NDF: 95.3/57

All: -864.718+/-130.297 χ^2/NDF: 221.9/117

- sign -680.271+/-185.536 χ^2/NDF: 124.6/59

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1505.017+/-0.245 χ^2/NDF: 4029996.5/32

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1471.926+/-0.241 χ^2/NDF: 5356921.8/36

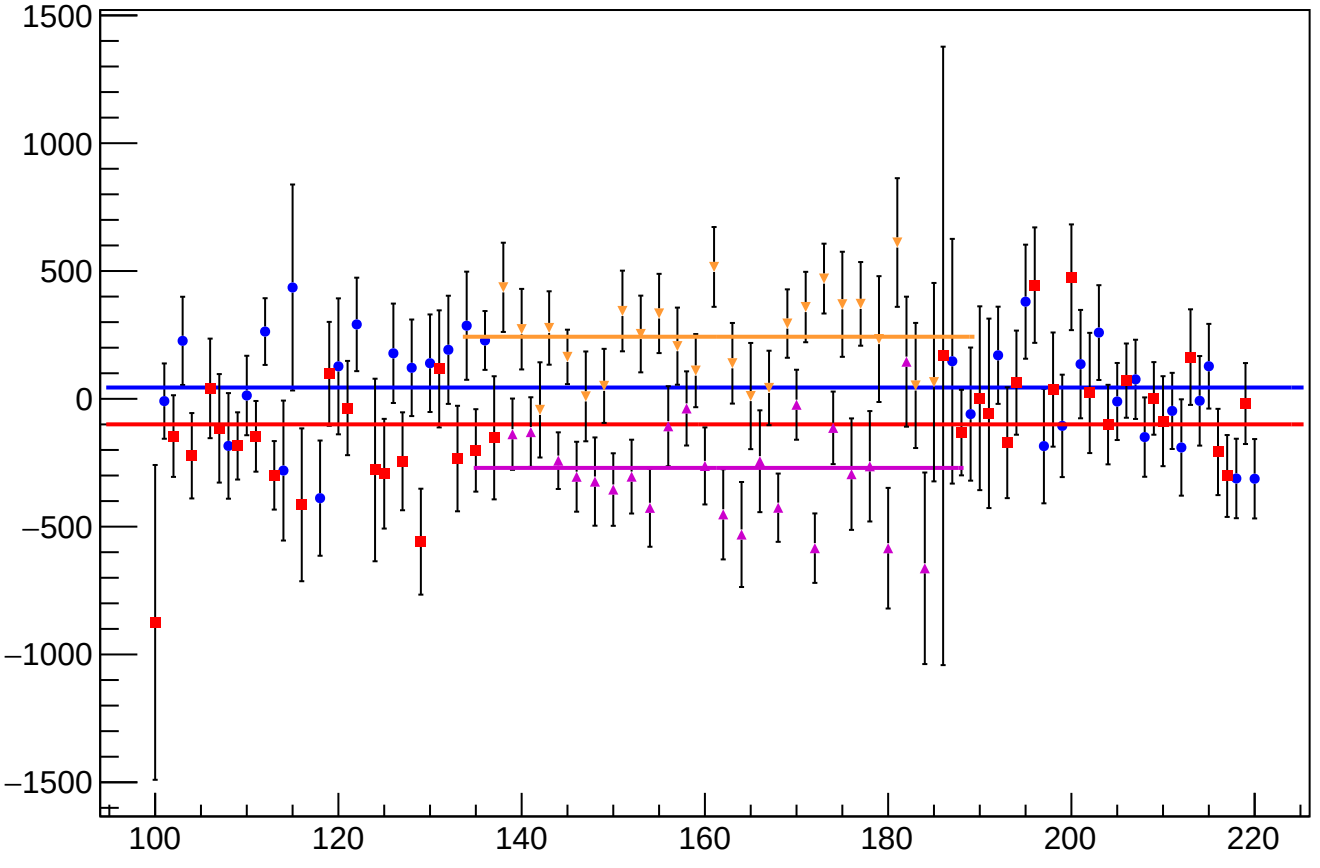
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1095.686+/-0.129 χ^2/NDF: 8746803.4/57

All: 1095.702+/-0.092 χ^2/NDF: 18229242.6/1

- sign 1095.720+/-0.131 χ^2/NDF: 9482439.2/59

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 44.263+/-31.560 χ^2/NDF: 39.1/32

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -99.833+/-31.215 χ^2/NDF: 37.2/36

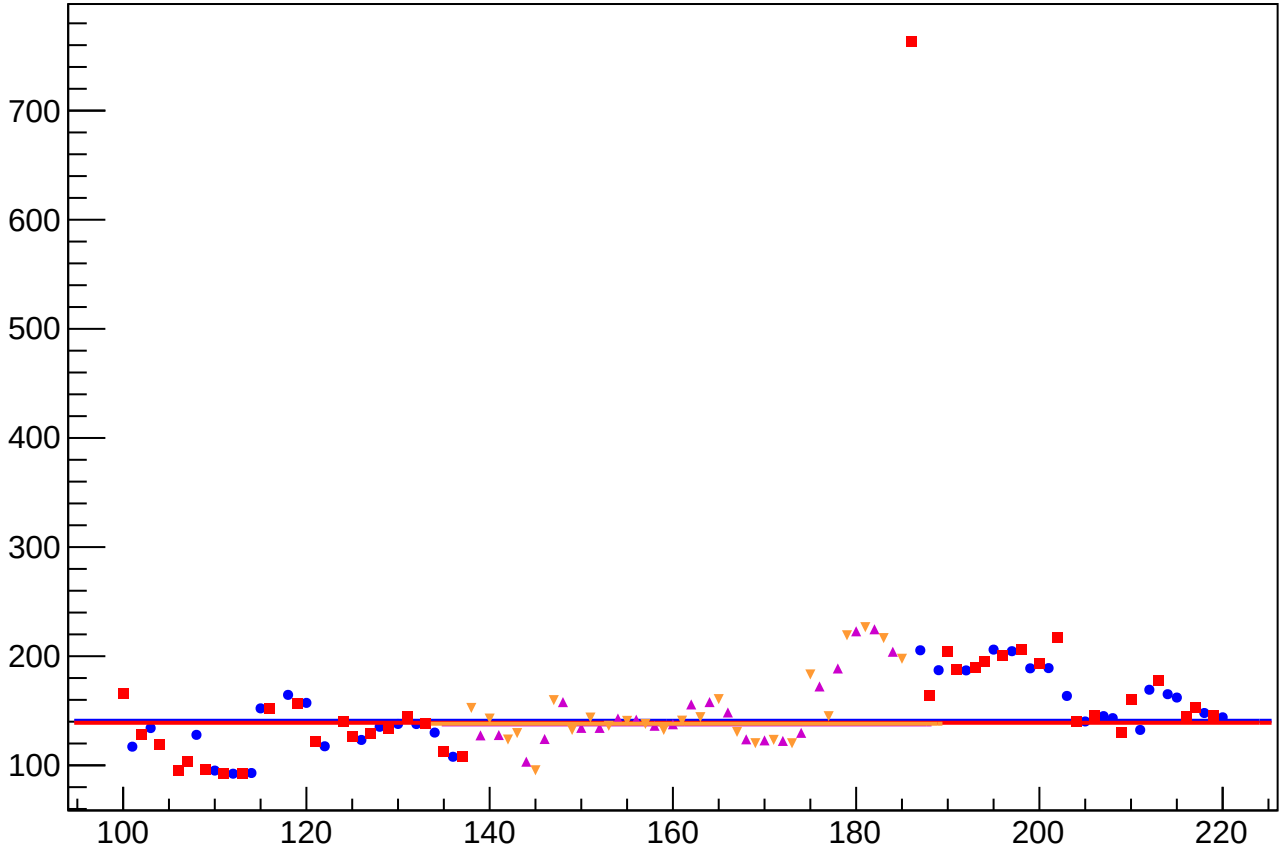
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 141.773+/-22.518 χ^2/NDF: 82.2/57

All: -18.516+/-15.966 χ^2/NDF: 262.2/117

- sign -180.581+/-22.642 χ^2/NDF: 78.1/59

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 140.832+/-0.022 χ^2/NDF: 1755606.7/32

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

Right Out: 138.994+/-0.022 χ^2/NDF: 2784655.2/36

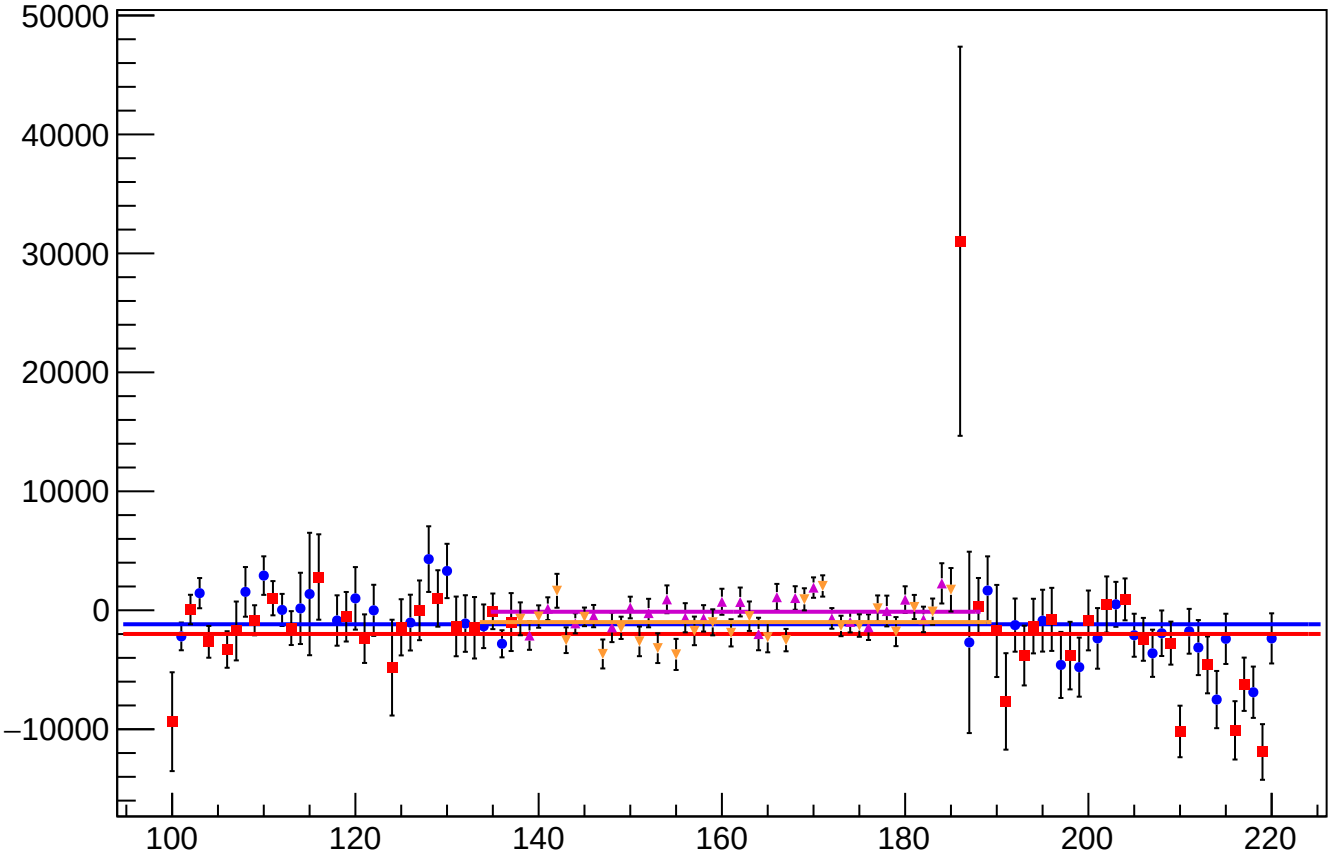
Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 139.504+/-0.016 χ^2/NDF: 3101130.1/57

All: 138.896+/-0.011 χ^2/NDF: 7000231.8/117

- sign 138.282+/-0.016 χ^2/NDF: 3896171.1/59

asym_sam_48_dd_eigen_dit_correction_mean vs Slug



Right In: -1175.479+/-346.076 χ^2/NDF: 48.2/32

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1991.626+/-340.145 χ^2/NDF: 79.6/36

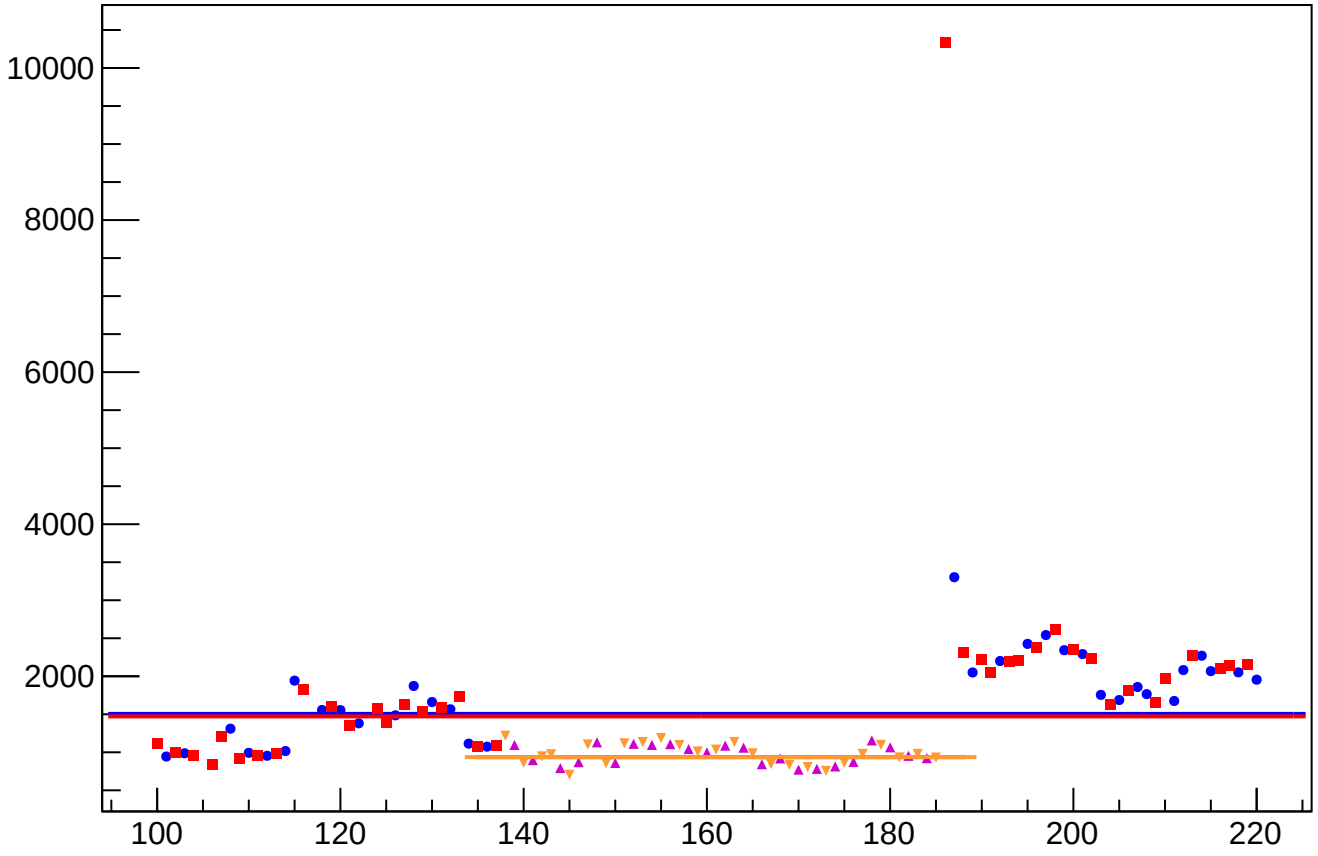
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -1044.207+/-183.026 χ^2/NDF: 95.3/57

All: -864.716+/-130.297 χ^2/NDF: 221.9/117

- sign -680.269+/-185.535 χ^2/NDF: 124.6/59

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1505.017+/-0.245 χ^2/NDF: 4029986.6/32

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1471.926+/-0.241 χ^2/NDF: 5356912.2/36

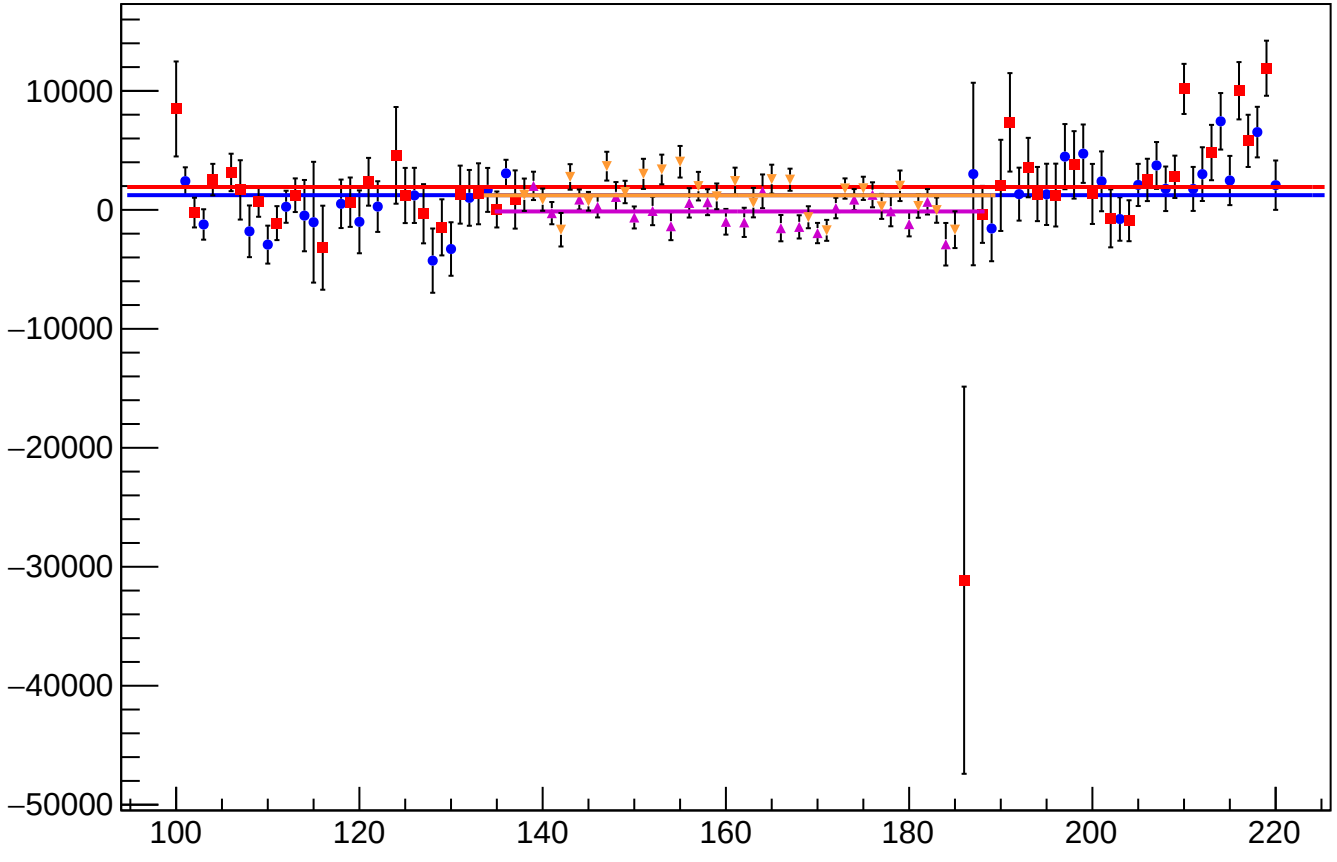
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1095.685+/-0.129 χ^2/NDF: 8746809.4/57

All: 1095.701+/-0.092 χ^2/NDF: 18229246.8/1

- sign 1095.719+/-0.131 χ^2/NDF: 9482437.4/59

asym_sam_48_dd_mean vs Slug



Right In: 1235.681+/-343.130 χ^2/NDF: 48.5/32

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 1921.986+/-338.583 χ^2/NDF: 81.9/36

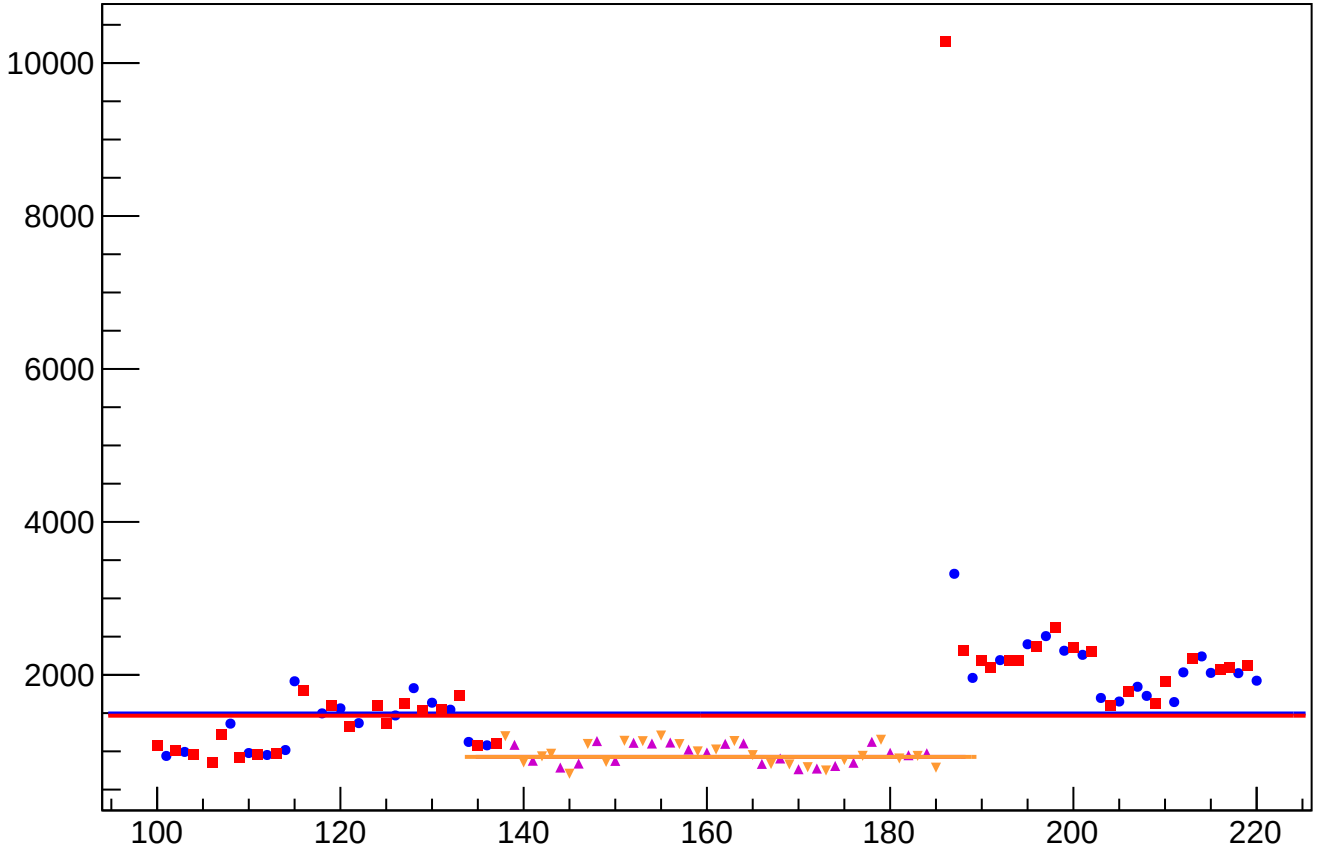
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1228.363+/-181.484 χ^2/NDF: 97.0/57

All: 856.650+/-129.227 χ^2/NDF: 239.3/117

- sign 474.349+/-184.051 χ^2/NDF: 133.7/59

asym_sam_48_dd_rms vs Slug



Right In: 1494.959+/-0.243 χ^2/NDF: 3858362.6/32

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

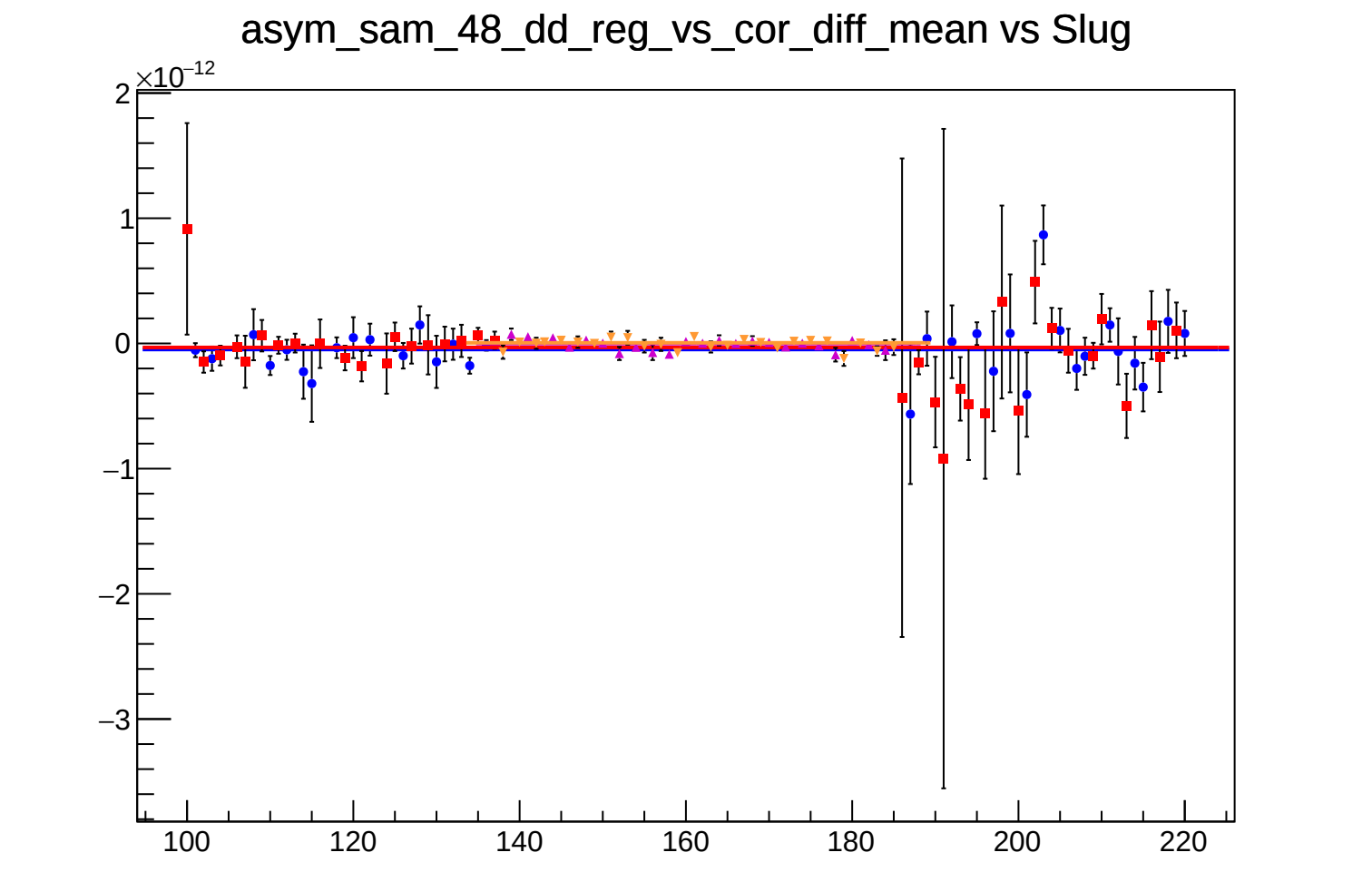
Right Out: 1466.464+/-0.239 χ^2/NDF: 5257398.8/36

Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1086.322+/-0.128 χ^2/NDF: 8671712.2/57

All: 1086.475+/-0.091 χ^2/NDF: 18158327.6/1

- sign 1086.633+/-0.130 χ^2/NDF: 9486612.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 40.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

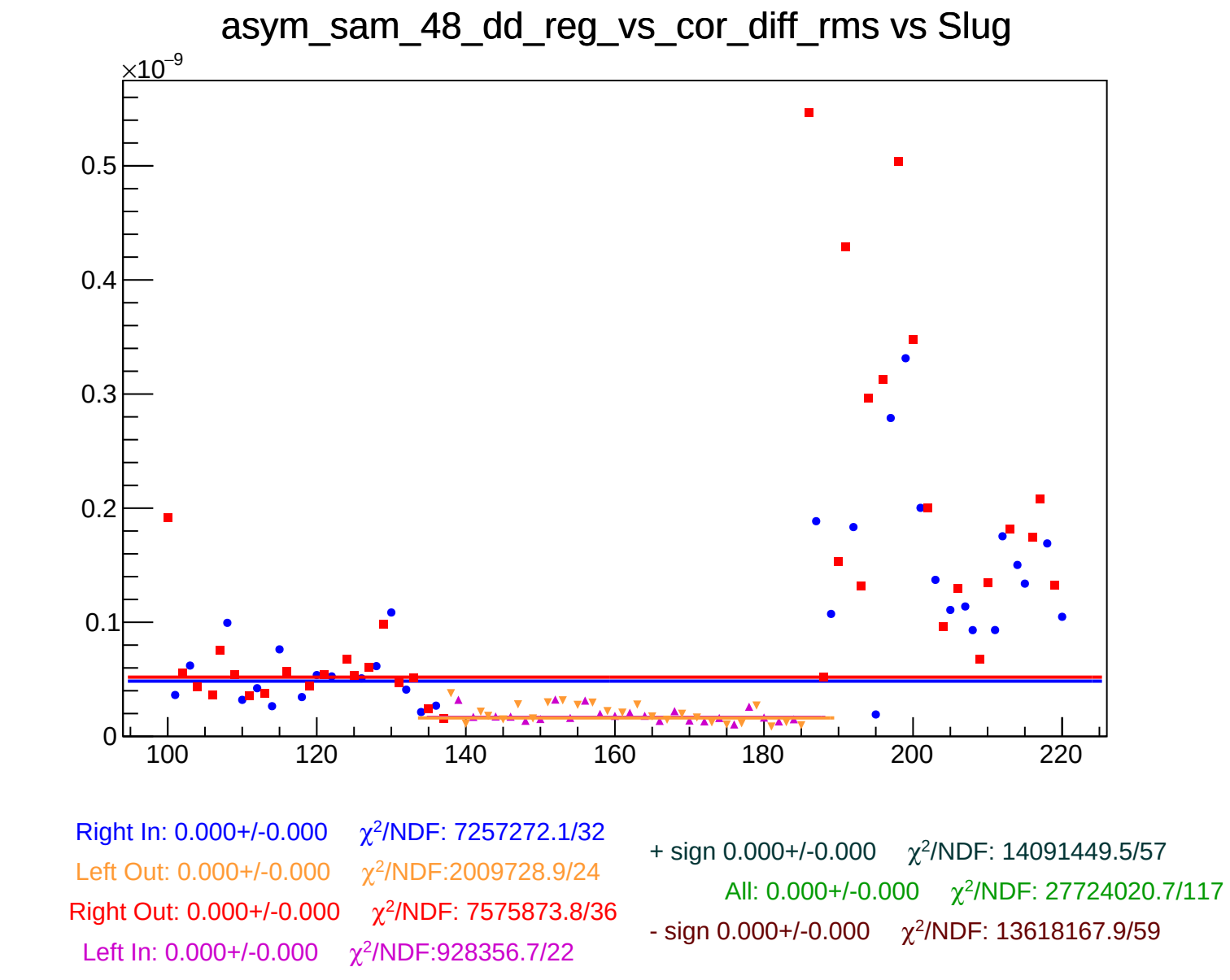
Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/36

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

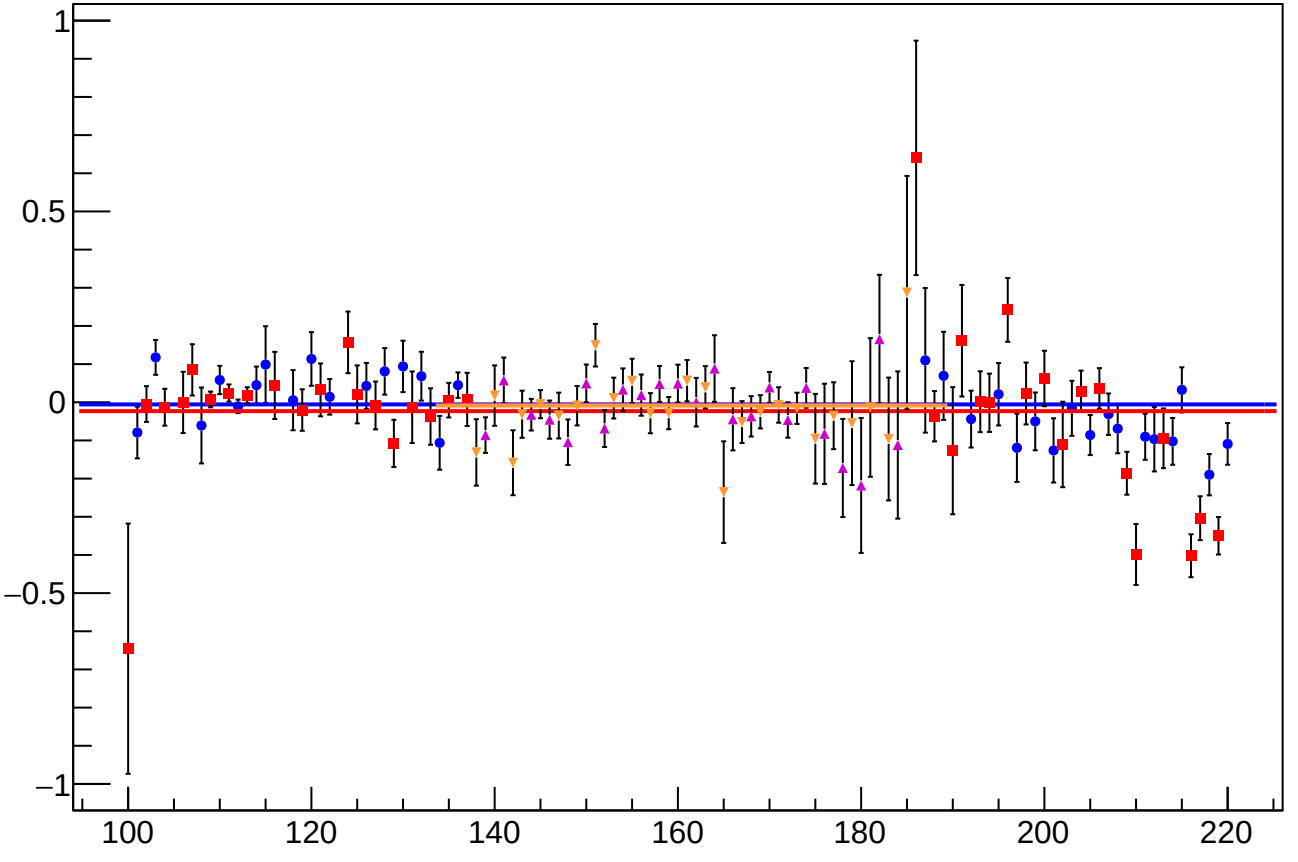
+ sign -0.000+/-0.000 χ^2/NDF: 72.3/57

All: -0.000+/-0.000 χ^2/NDF: 131.2/117

- sign -0.000+/-0.000 χ^2/NDF: 58.6/59


asym_sam_48_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 7257272.1/32
Left Out: 0.000+/-0.000 χ²/NDF:2009728.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 7575873.8/36
Left In: 0.000+/-0.000 χ²/NDF:928356.7/22
+ sign 0.000+/-0.000 χ²/NDF: 14091449.5/57
All: 0.000+/-0.000 χ²/NDF: 27724020.7/117
- sign 0.000+/-0.000 χ²/NDF: 13618167.9/59

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.009 χ^2/NDF: 57.5/32

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.023+/-0.008 χ^2/NDF: 192.7/36

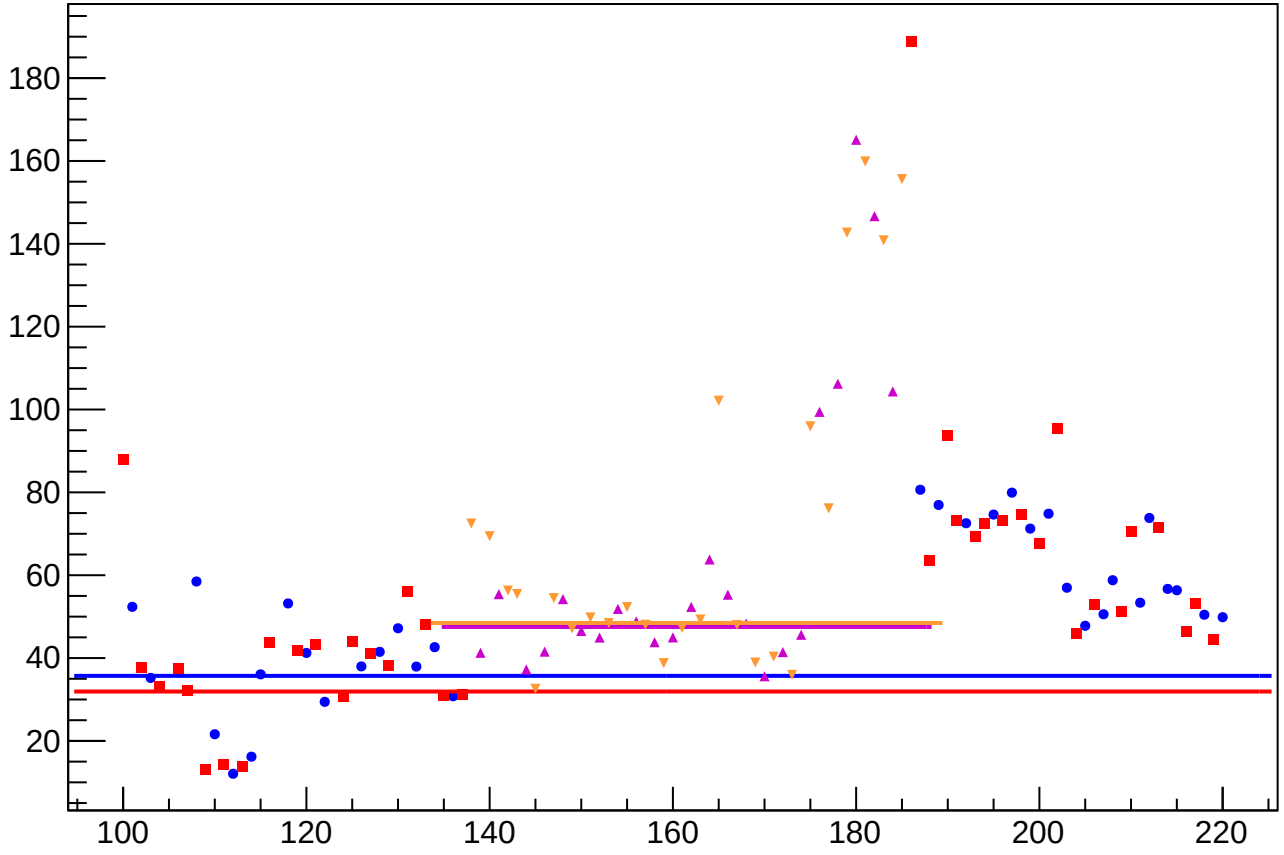
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.007+/-0.007 χ^2/NDF: 80.7/57

All: -0.013+/-0.005 χ^2/NDF: 299.1/117

- sign -0.018+/-0.007 χ^2/NDF: 217.1/59

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.704+/-0.007 χ^2/NDF: 9382493.1/32

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

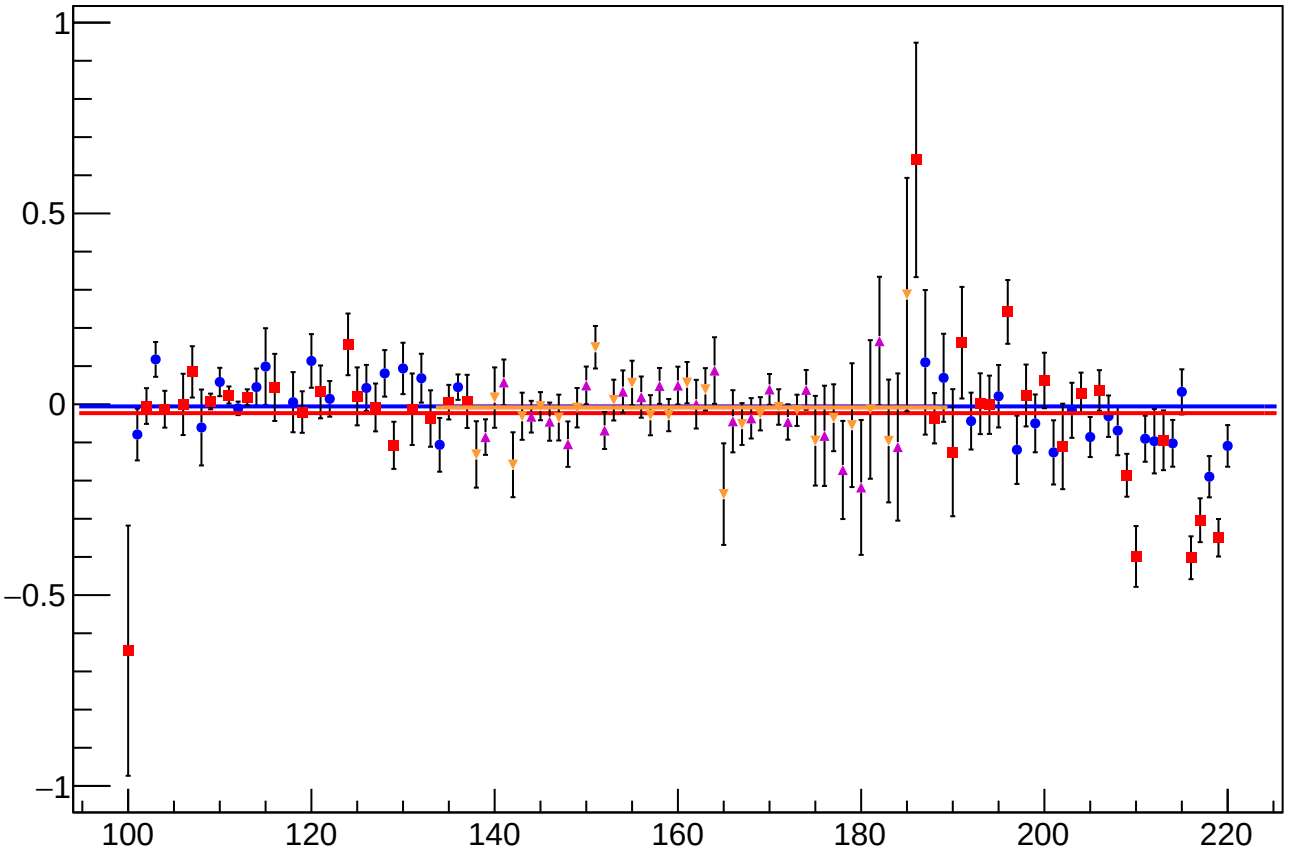
Right Out: 31.922+/-0.006 χ^2/NDF: 11752188.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 40.427+/-0.005 χ^2/NDF: 15181012.3/57

All: 38.658+/-0.004 χ^2/NDF: 32476926.9/117

- sign 37.072+/-0.005 χ^2/NDF: 17073399.5/59



Right In: -0.006+/-0.009 χ^2/NDF: 57.5/32

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

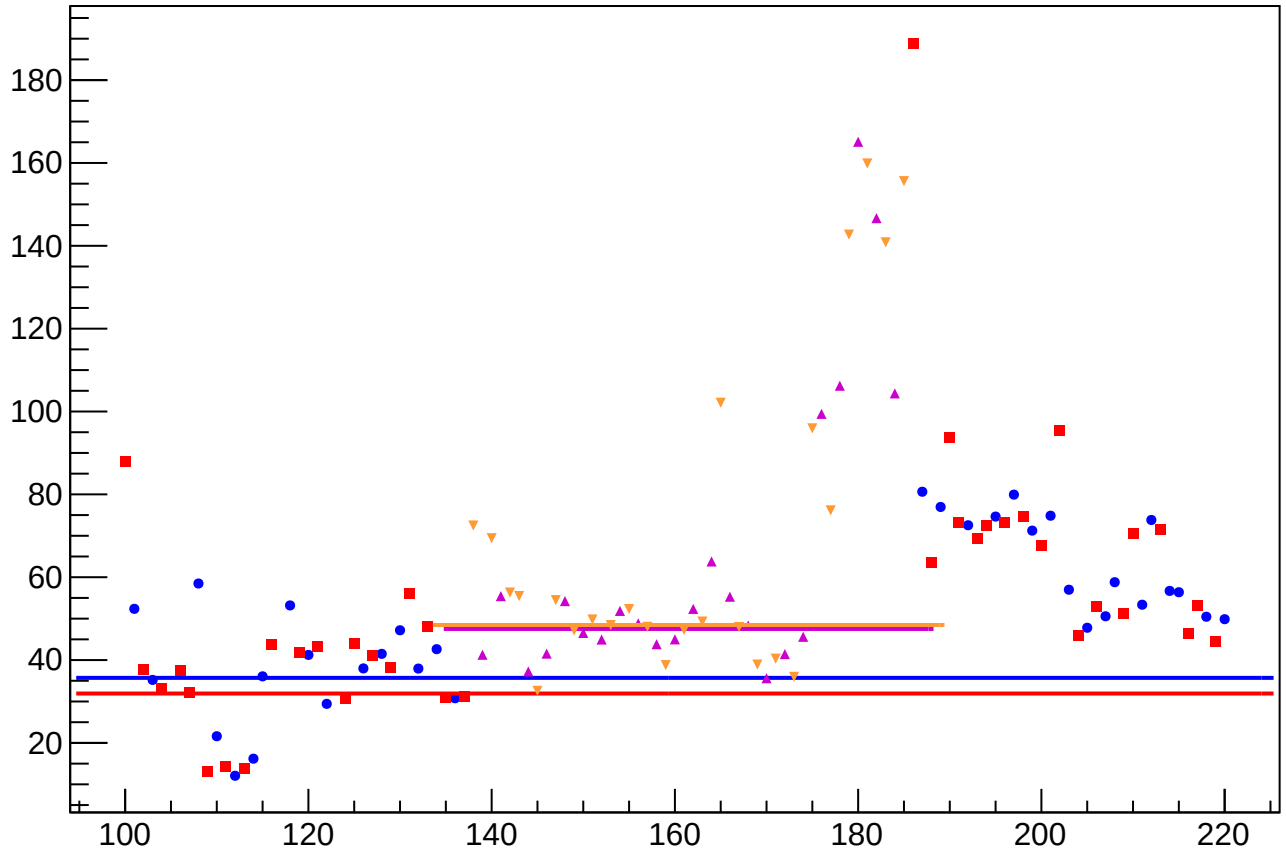
Right Out: -0.023+/-0.008 χ^2/NDF: 192.7/36

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.007+/-0.007 χ^2/NDF: 80.7/57

All: -0.013+/-0.005 χ^2/NDF: 299.1/117

- sign -0.018+/-0.007 χ^2/NDF: 217.1/59



Right In: 35.704+/-0.007 χ^2/NDF: 9382493.1/32

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

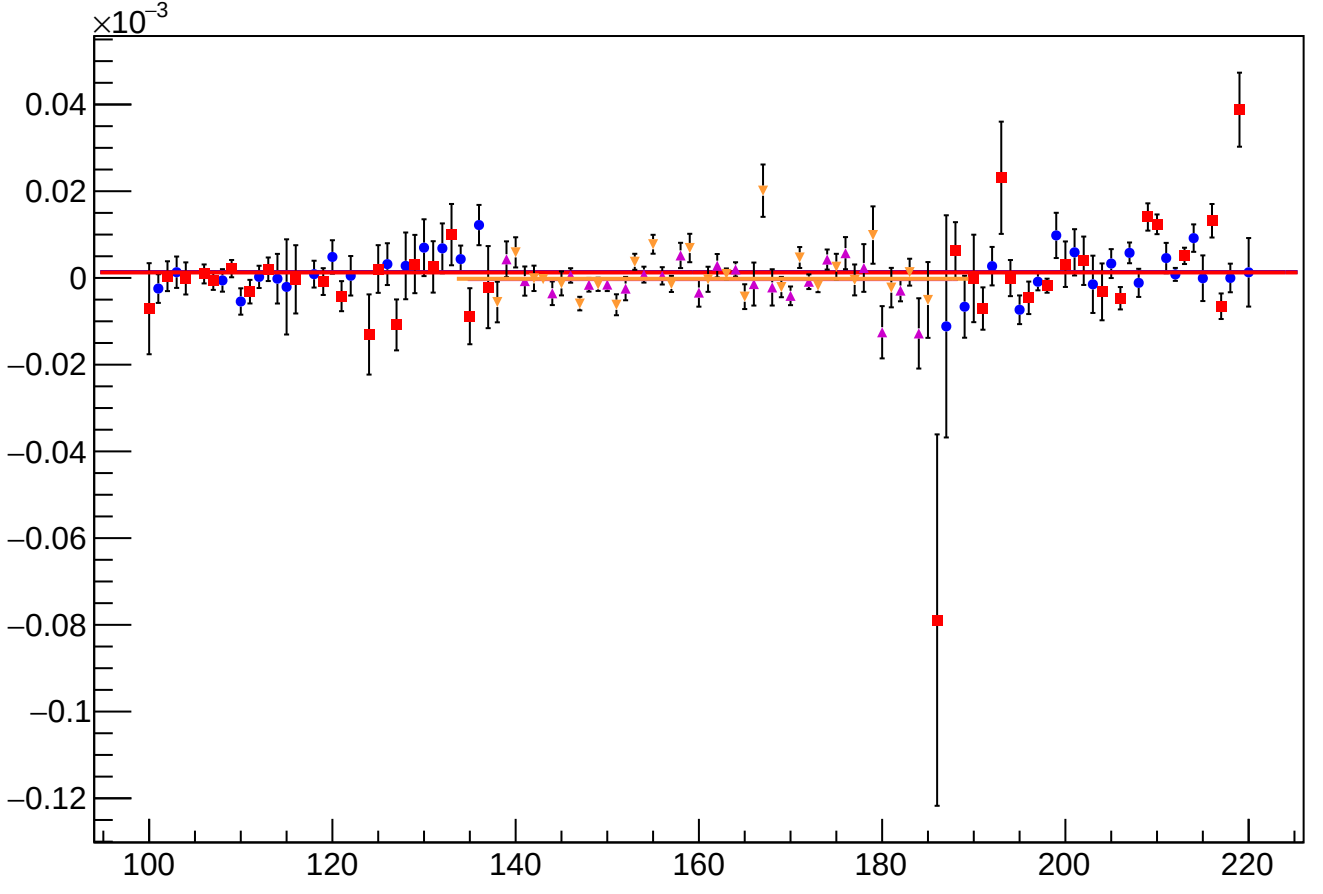
Right Out: 31.922+/-0.006 χ^2/NDF: 11752188.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 40.427+/-0.005 χ^2/NDF: 15181012.3/57

All: 38.658+/-0.004 χ^2/NDF: 32476926.9/11

- sign 37.072+/-0.005 χ^2/NDF: 17073399.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 41.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

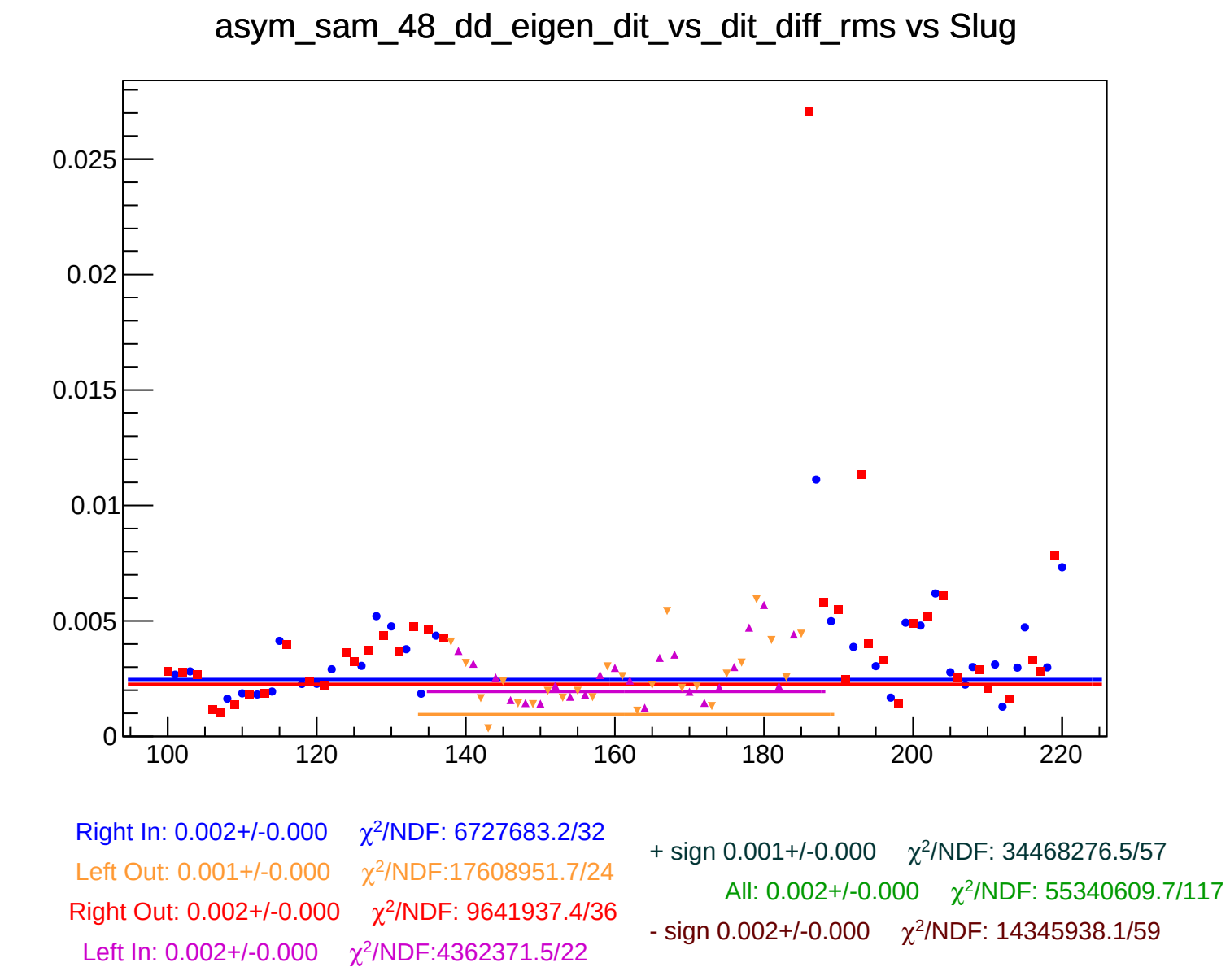
Right Out: 0.000+/-0.000 χ^2/NDF: 120.9/36

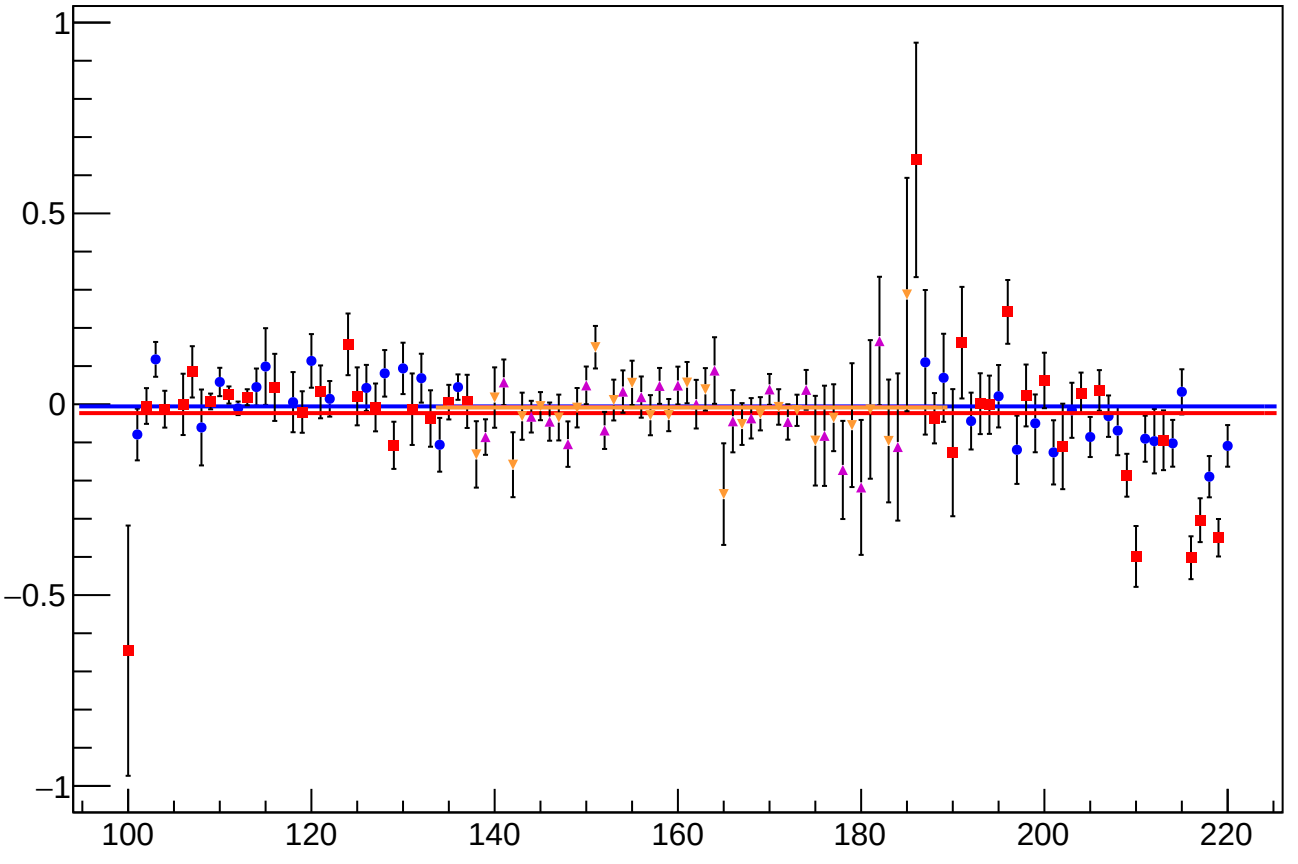
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 118.2/57

All: 0.000+/-0.000 χ^2/NDF: 274.6/117

- sign 0.000+/-0.000 χ^2/NDF: 156.0/59


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
220
Right In: 0.002+/-0.000 χ²/NDF: 6727683.2/32
Left Out: 0.001+/-0.000 χ²/NDF:17608951.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 9641937.4/36
Left In: 0.002+/-0.000 χ²/NDF:4362371.5/22
+ sign 0.001+/-0.000 χ²/NDF: 34468276.5/57
All: 0.002+/-0.000 χ²/NDF: 55340609.7/117
- sign 0.002+/-0.000 χ²/NDF: 14345938.1/59



Right In: -0.006+/-0.009 χ^2/NDF: 57.5/32

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: -0.023+/-0.008 χ^2/NDF: 192.7/36

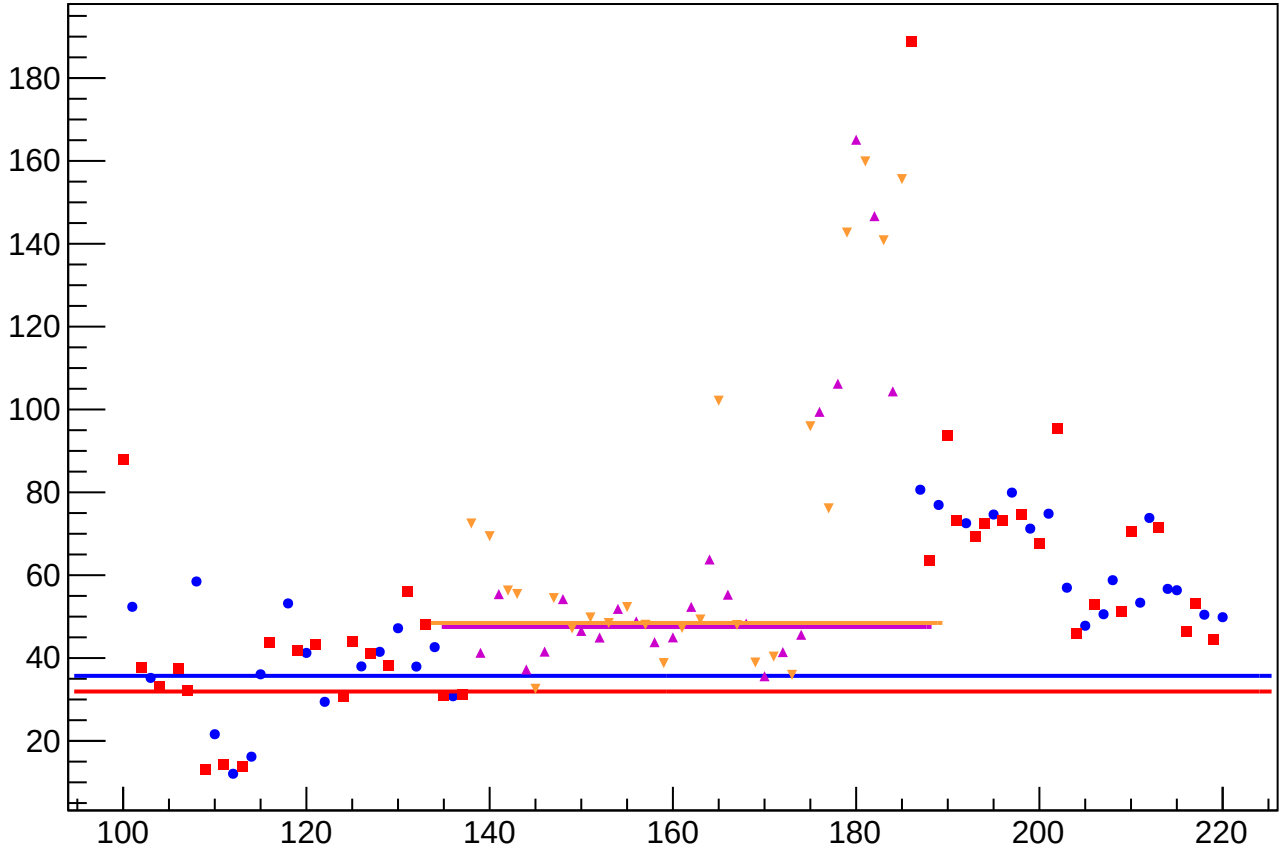
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.007+/-0.007 χ^2/NDF: 80.7/57

All: -0.013+/-0.005 χ^2/NDF: 299.1/117

- sign -0.018+/-0.007 χ^2/NDF: 217.1/59

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 35.703+/-0.007 χ^2/NDF: 9383373.7/32

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

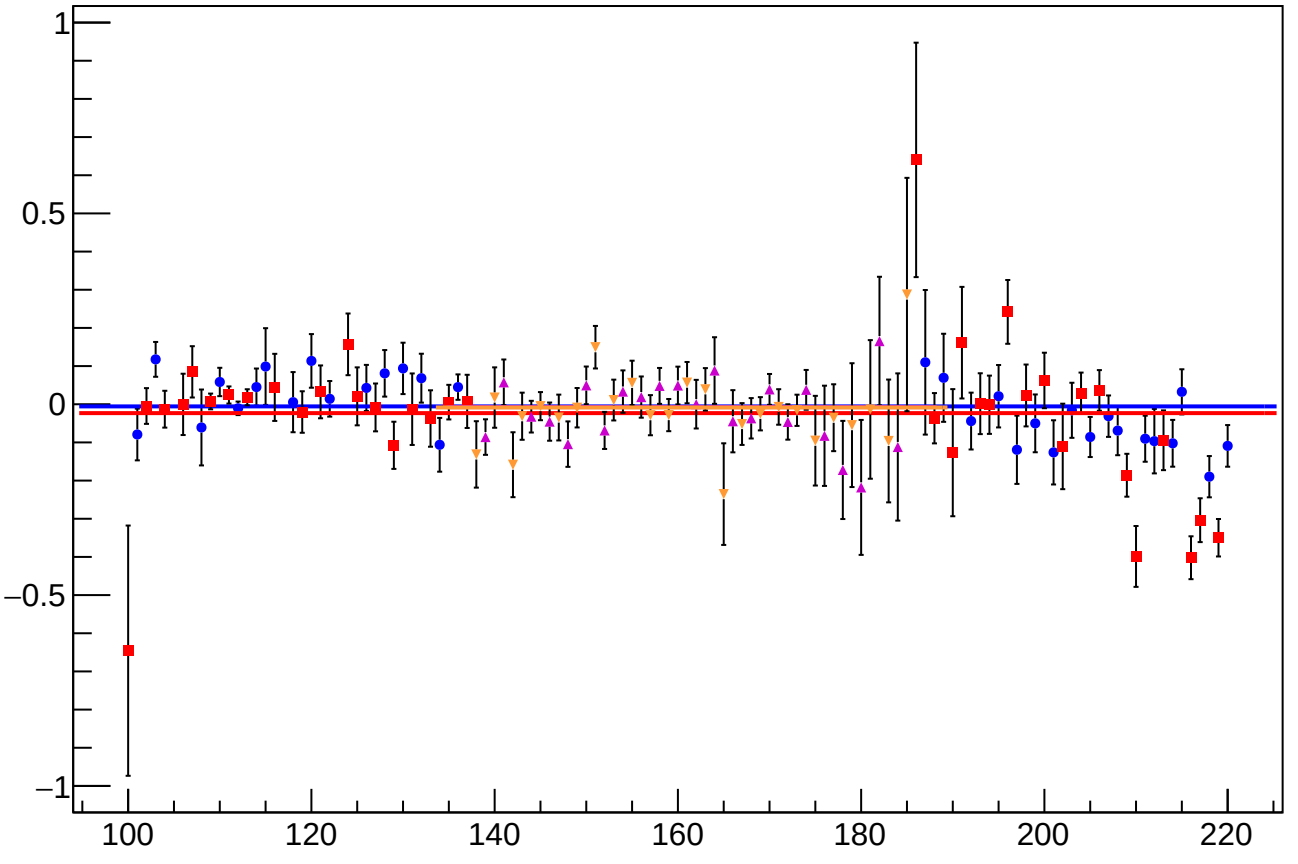
Right Out: 31.922+/-0.006 χ^2/NDF: 11752494.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 40.426+/-0.005 χ^2/NDF: 15182239.2/57

All: 38.658+/-0.004 χ^2/NDF: 32478496.7/11

- sign 37.071+/-0.005 χ^2/NDF: 17073833.1/59



Right In: -0.006+/-0.009 χ^2/NDF: 57.5/32

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

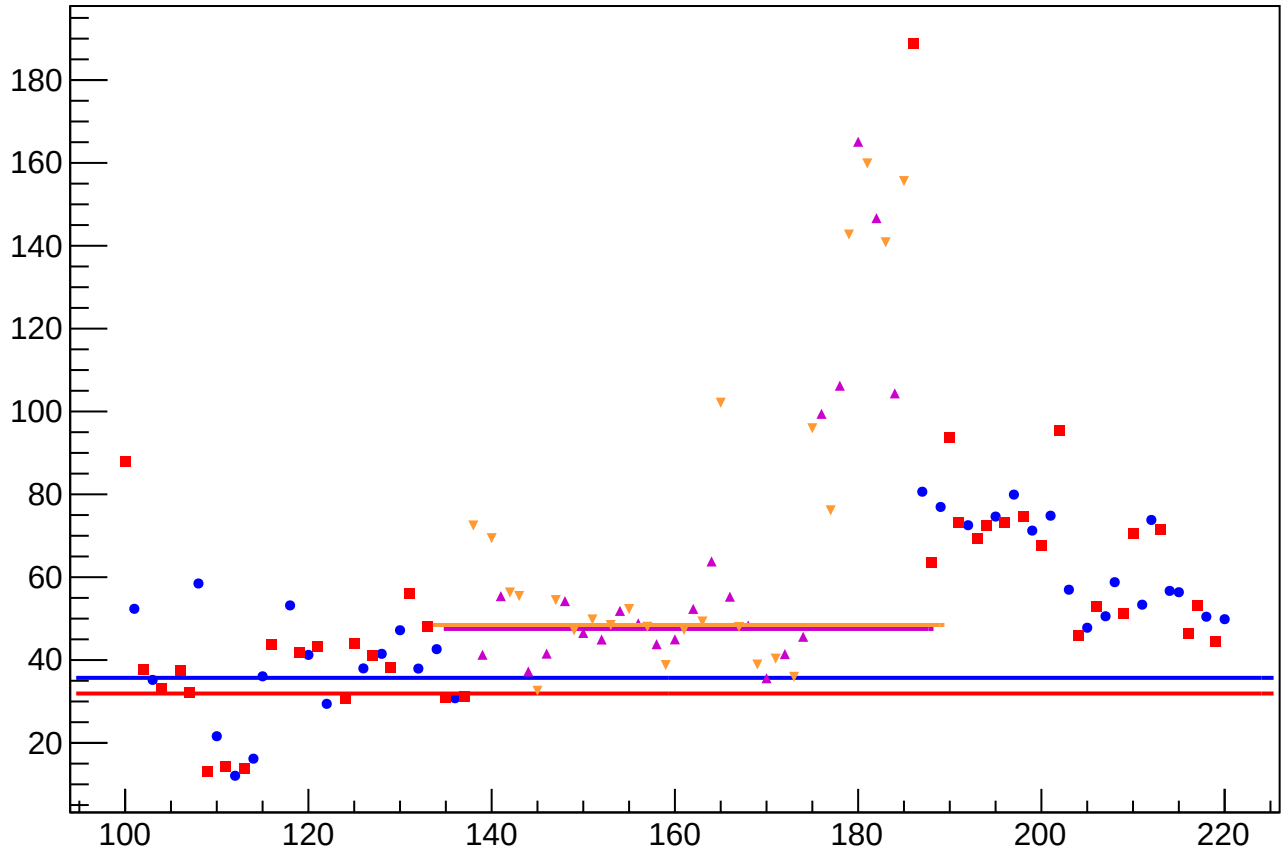
Right Out: -0.023+/-0.008 χ^2/NDF: 192.7/36

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign -0.007+/-0.007 χ^2/NDF: 80.7/57

All: -0.013+/-0.005 χ^2/NDF: 299.1/117

- sign -0.018+/-0.007 χ^2/NDF: 217.1/59



Right In: 35.703+/-0.007 χ^2/NDF: 9383373.7/32

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

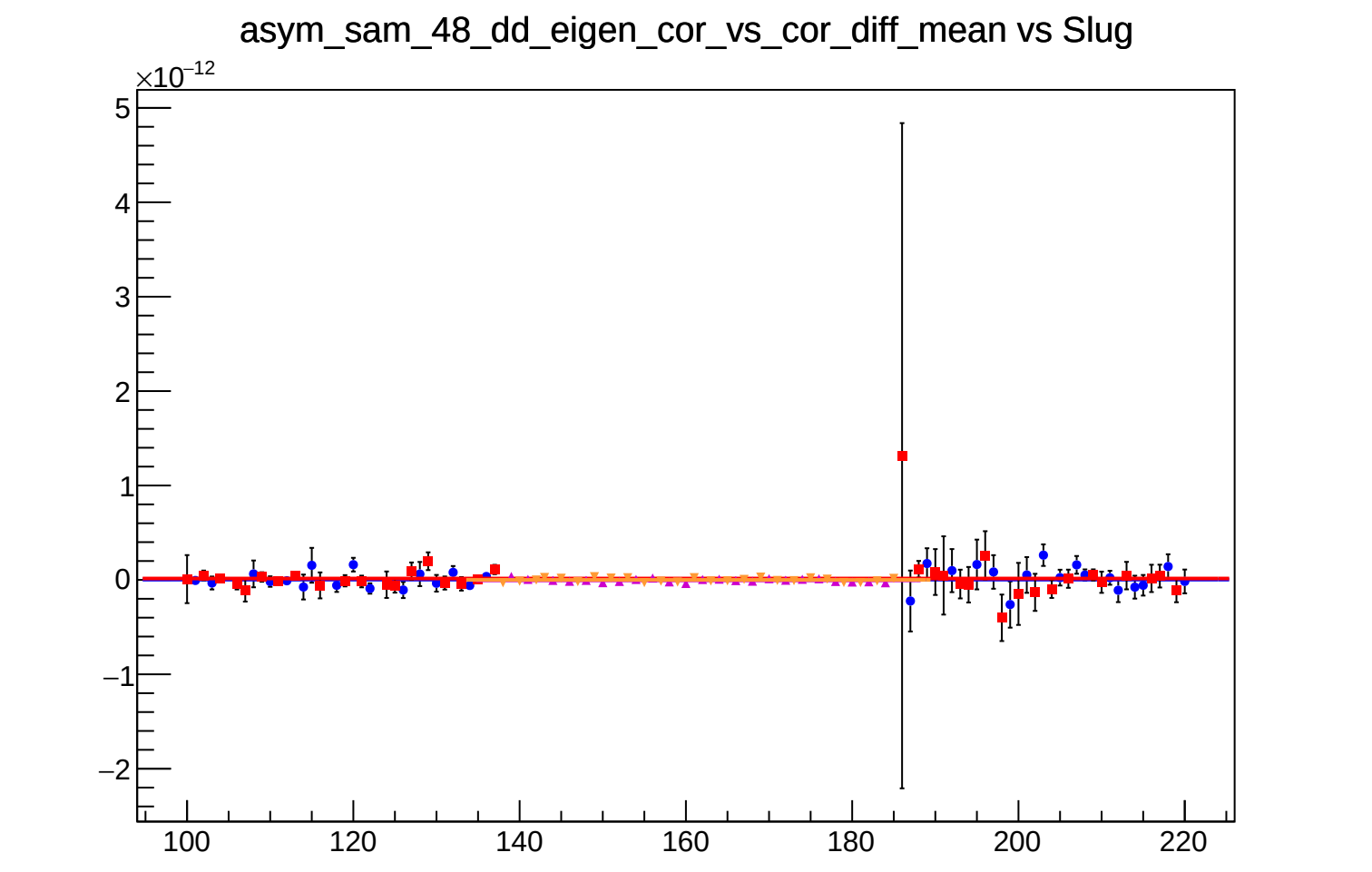
Right Out: 31.922+/-0.006 χ^2/NDF: 11752494.4/36

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 40.426+/-0.005 χ^2/NDF: 15182239.2/57

All: 38.658+/-0.004 χ^2/NDF: 32478496.7/11

- sign 37.071+/-0.005 χ^2/NDF: 17073833.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 34.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:31.4/24

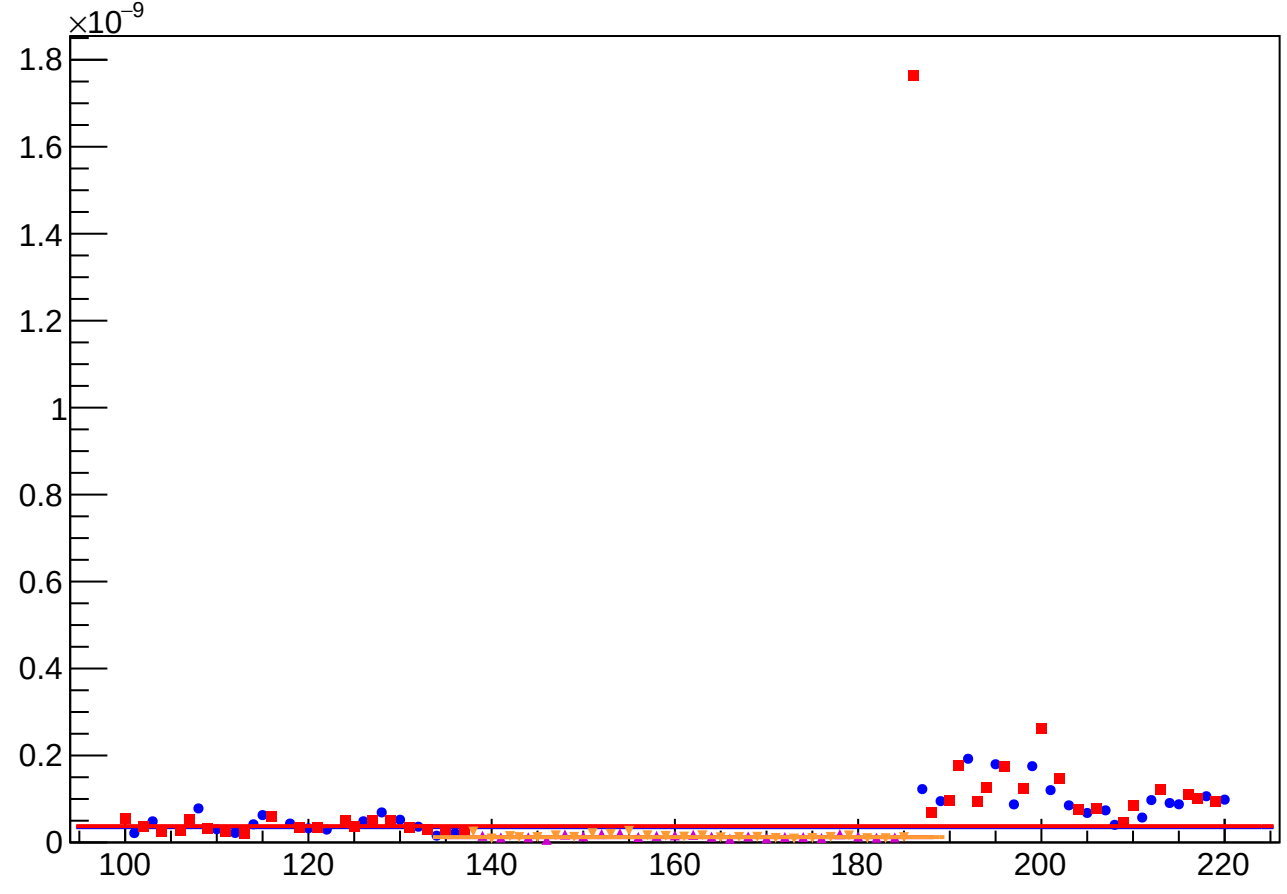
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/36

Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/57

All: -0.000+/-0.000 χ^2/NDF: 112.3/117

- sign -0.000+/-0.000 χ^2/NDF: 45.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 9520920.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9100477.8/36

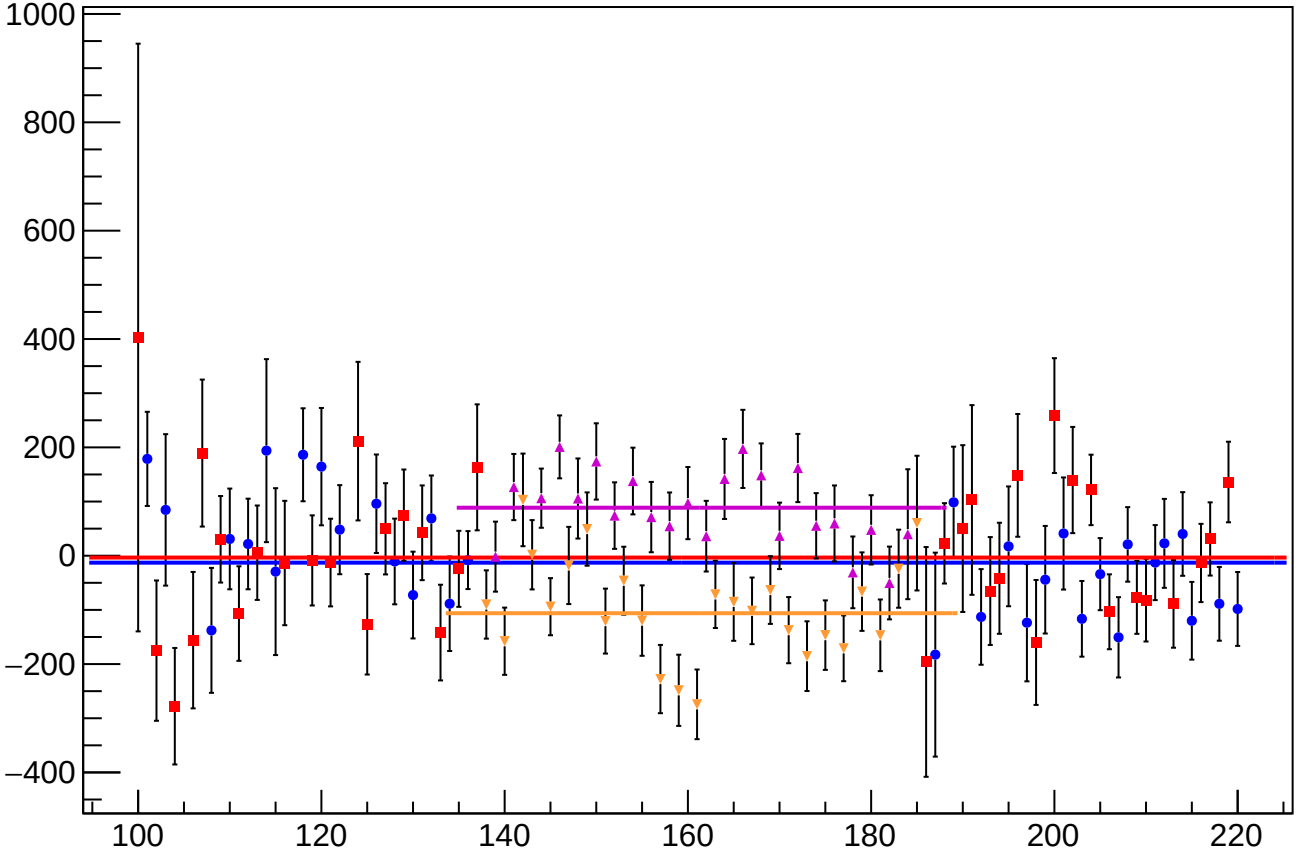
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 18628154.8/57

All: 0.000+/-0.000 χ^2/NDF: 37621735.0/117

- sign 0.000+/-0.000 χ^2/NDF: 18993044.7/59

reg_asym_sam_13_57_dd_mean vs Slug



Right In: -12.813+/-14.699 χ^2/NDF: 37.3/32

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: -3.392+/-15.000 χ^2/NDF: 50.8/36

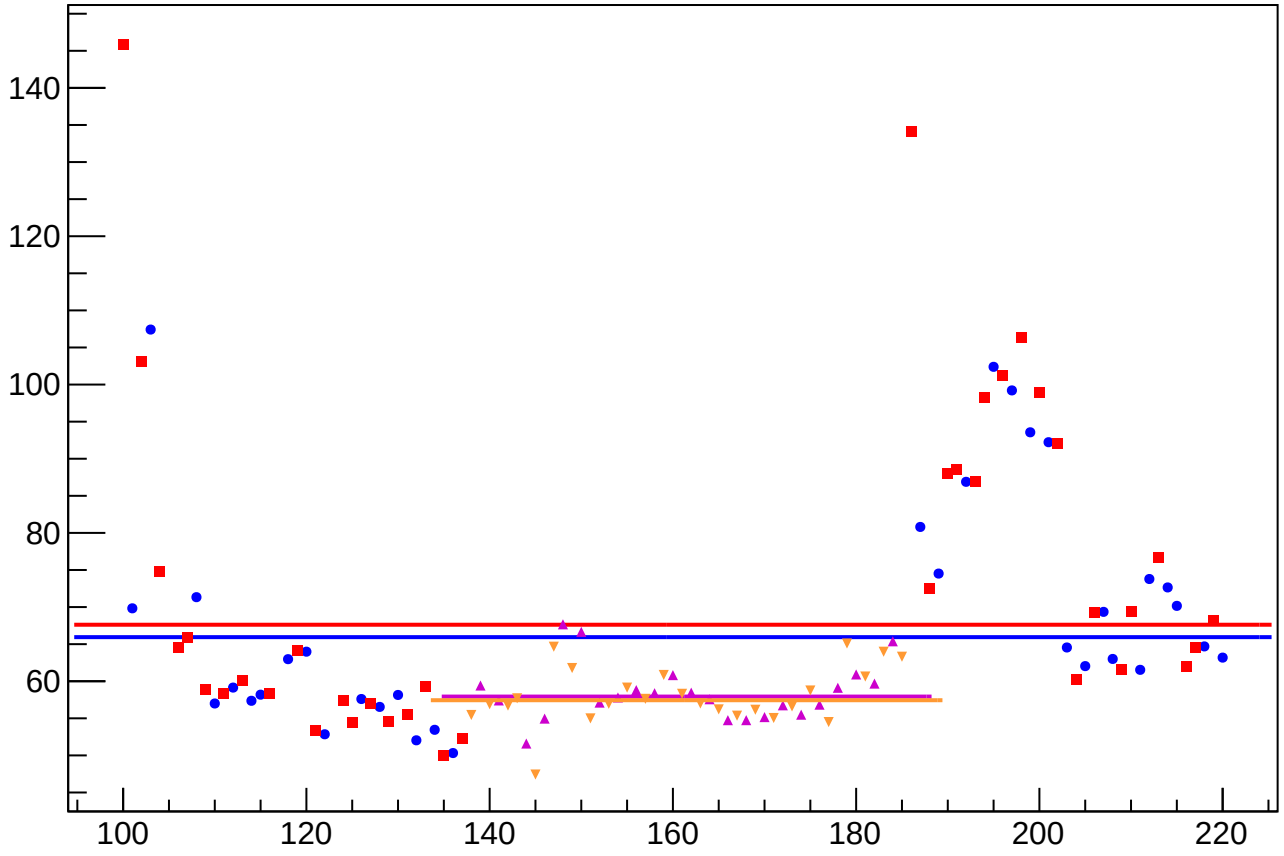
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -64.842+/-9.775 χ^2/NDF: 100.5/57

All: -10.429+/-7.011 χ^2/NDF: 259.7/117

- sign 47.221+/-10.062 χ^2/NDF: 95.4/59

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 65.945+/-0.010 χ^2/NDF: 1514470.9/32

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

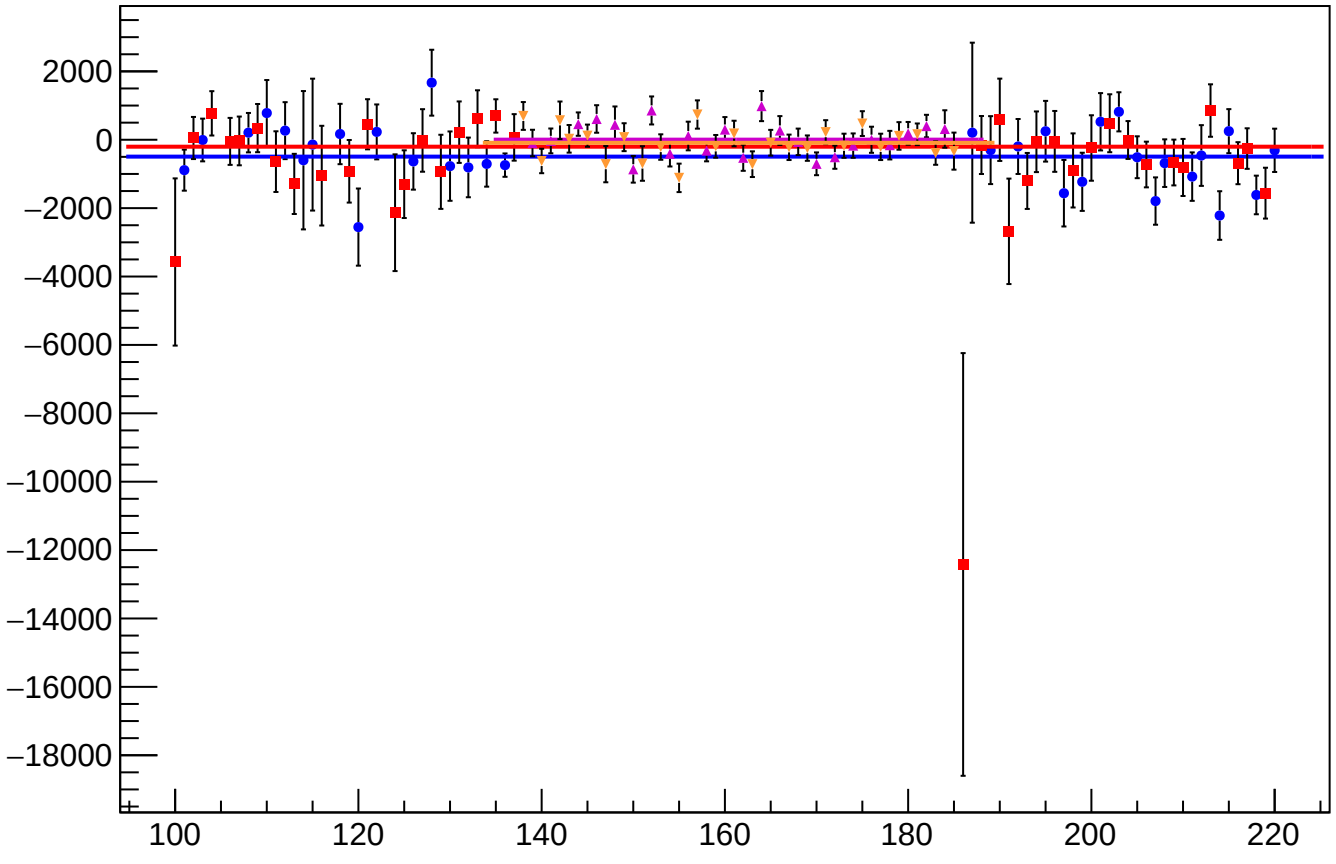
Right Out: 67.619+/-0.011 χ^2/NDF: 1998500.8/36

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 61.202+/-0.007 χ^2/NDF: 2062491.5/57

All: 61.730+/-0.005 χ^2/NDF: 4667659.2/117

- sign 62.291+/-0.007 χ^2/NDF: 2593117.5/59



Right In: -493.305+/-127.366 χ^2/NDF: 40.9/32

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -202.962+/-131.429 χ^2/NDF: 33.5/36

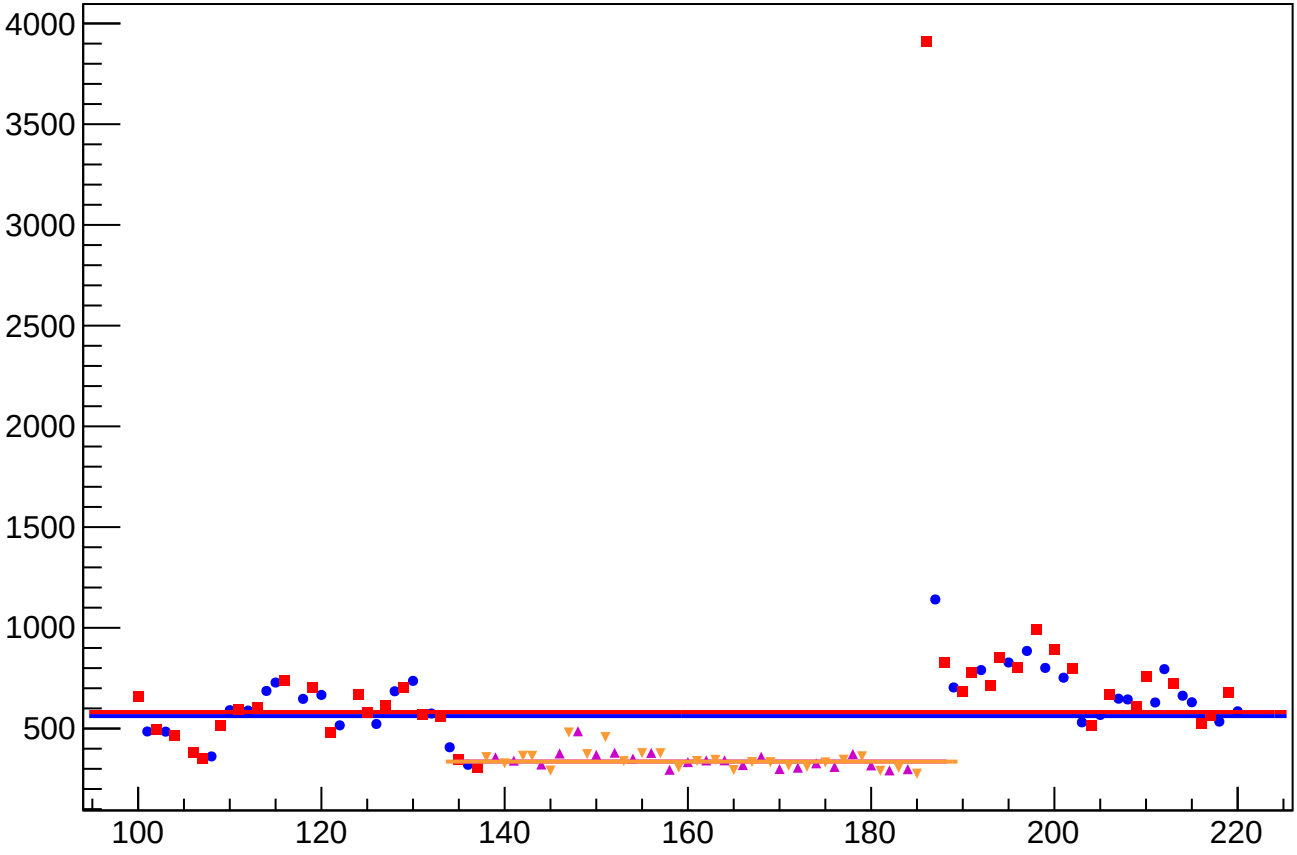
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -197.283+/-65.901 χ^2/NDF: 78.2/57

All: -126.654+/-47.267 χ^2/NDF: 149.4/117

- sign -51.827+/-67.831 χ^2/NDF: 68.8/59

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 561.770+/-0.090 χ^2/NDF: 2834512.5/32

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 582.069+/-0.093 χ^2/NDF: 3491071.4/36

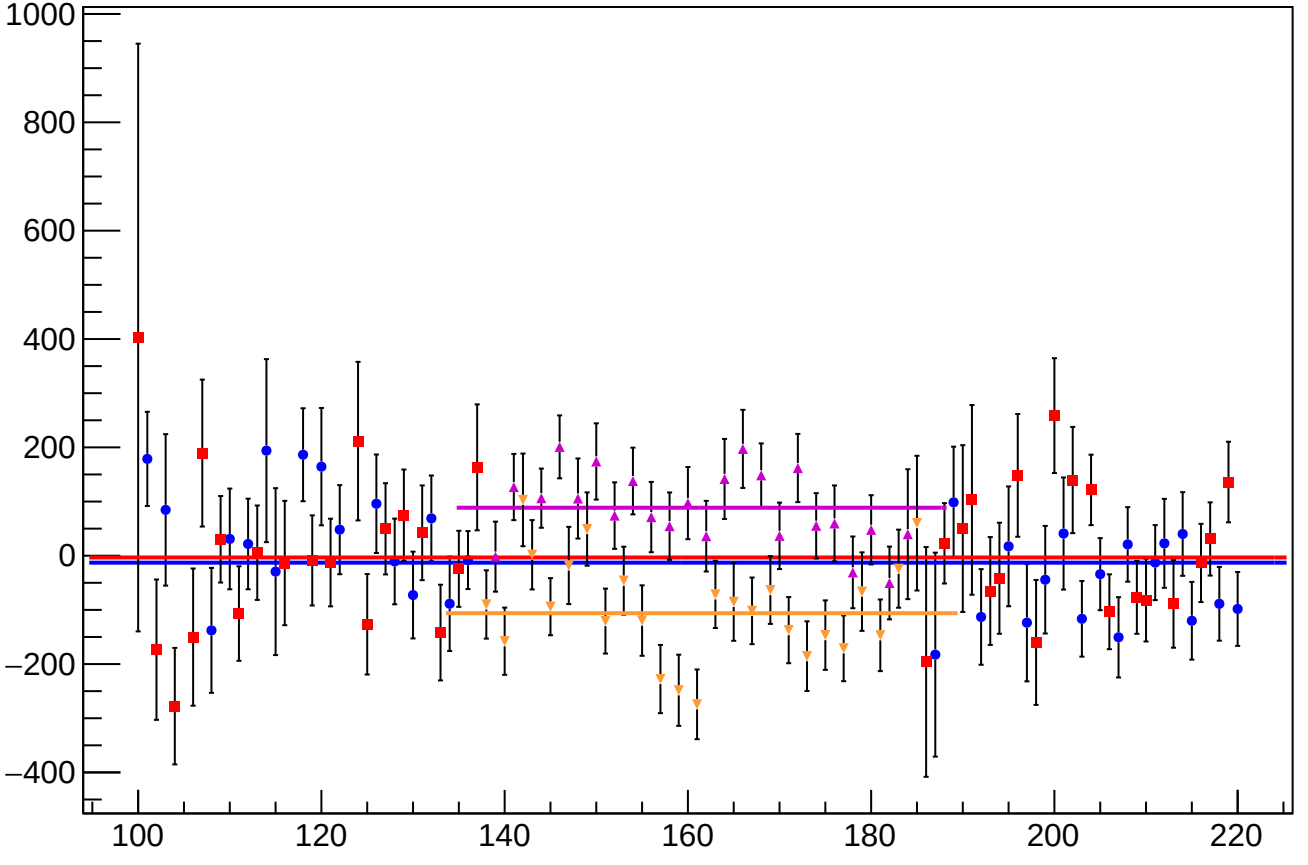
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 396.365+/-0.047 χ^2/NDF: 7974539.7/57

All: 399.002+/-0.033 χ^2/NDF: 17015362.1/11

- sign 401.795+/-0.048 χ^2/NDF: 9034229.7/59

cor_asym_sam_13_57_dd_mean vs Slug



Right In: -12.817+/-14.699 χ^2/NDF: 37.3/32

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -3.264+/-15.002 χ^2/NDF: 50.6/36

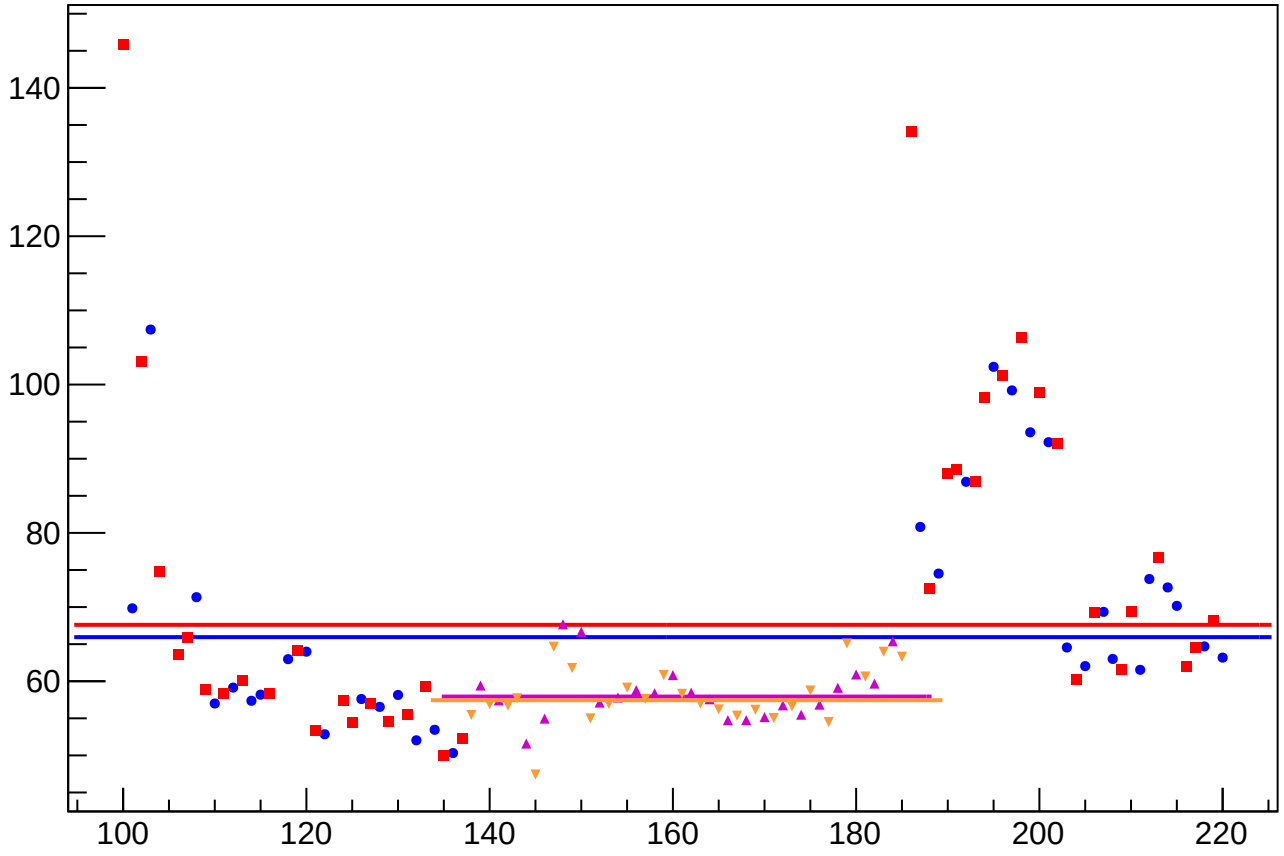
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -64.843+/-9.775 χ^2/NDF: 100.5/57

All: -10.401+/-7.011 χ^2/NDF: 259.5/117

- sign 47.284+/-10.062 χ^2/NDF: 95.2/59

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.945+/-0.010 χ^2/NDF: 1514472.8/32

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

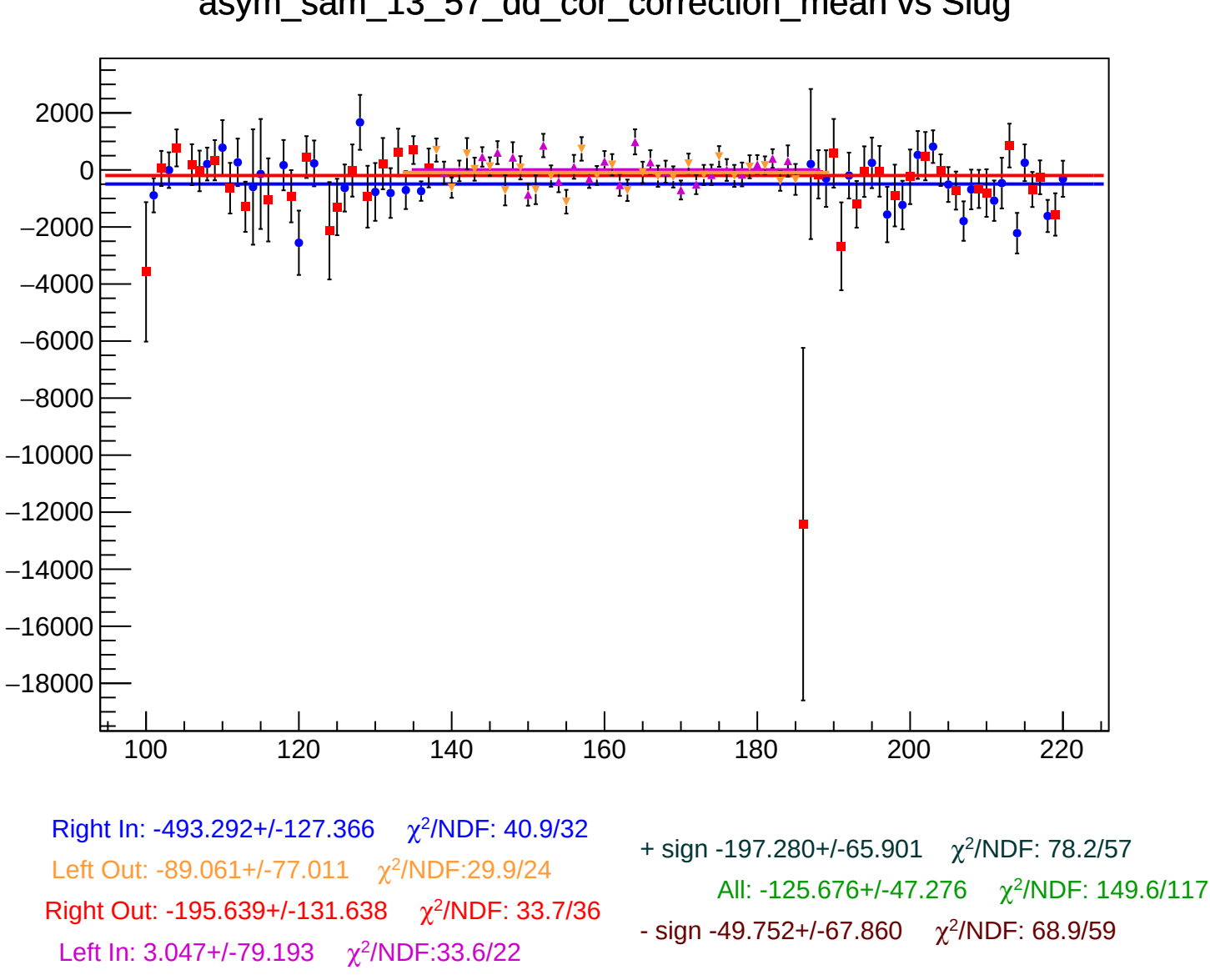
Right Out: 67.605+/-0.011 χ^2/NDF: 1999566.1/36

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

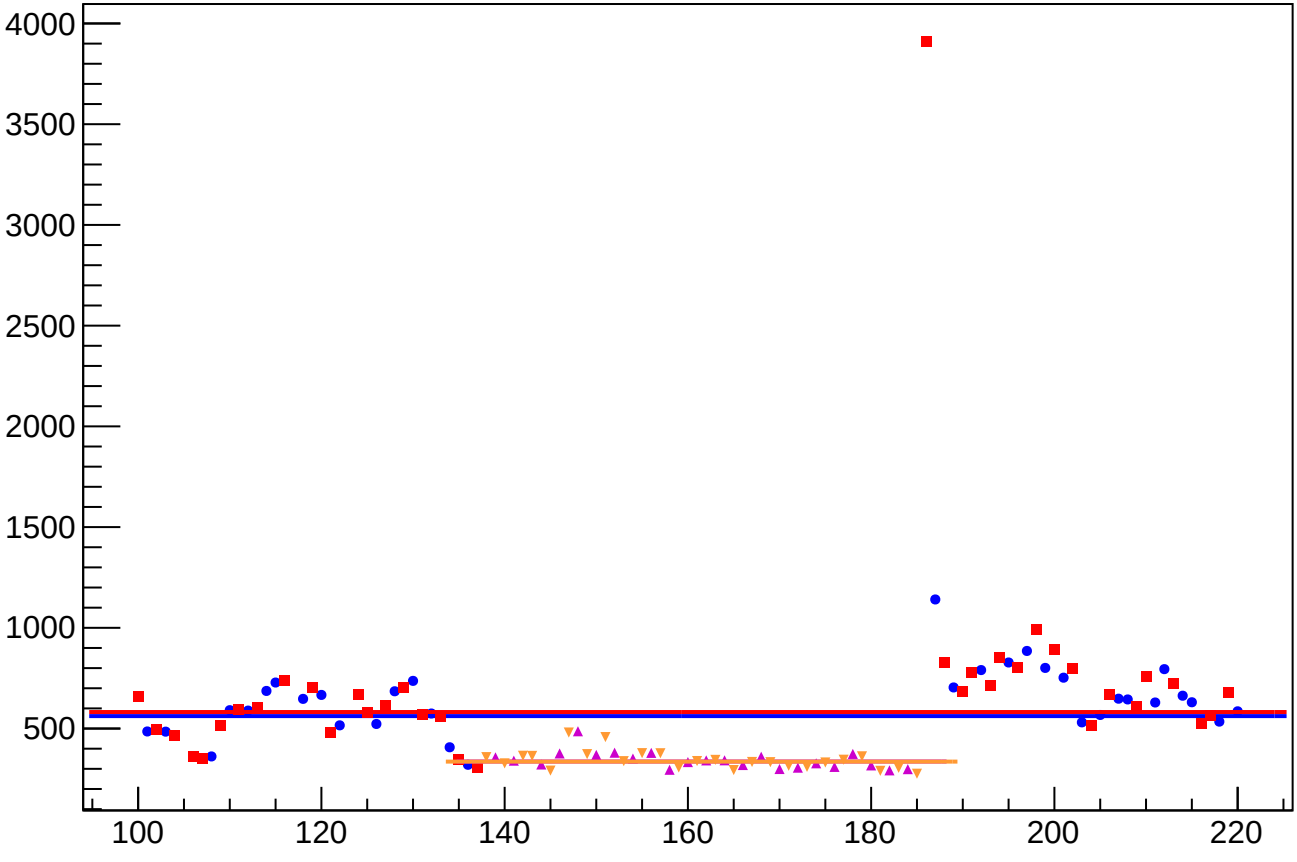
+ sign 61.202+/-0.007 χ^2/NDF: 2062493.5/57

All: 61.727+/-0.005 χ^2/NDF: 4667292.2/117

- sign 62.284+/-0.007 χ^2/NDF: 2592889.0/59


asym_sam_13_57_dd_cor_correction_mean vs Slug
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
−14000
−16000
−18000
100
120
140
160
180
200
220
Right In: -493.292+/-127.366 χ²/NDF: 40.9/32
Left Out: -89.061+/-77.011 χ²/NDF:29.9/24
Right Out: -195.639+/-131.638 χ²/NDF: 33.7/36
Left In: 3.047+/-79.193 χ²/NDF:33.6/22
+ sign -197.280+/-65.901 χ²/NDF: 78.2/57
All: -125.676+/-47.276 χ²/NDF: 149.6/117
- sign -49.752+/-67.860 χ²/NDF: 68.9/59

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 561.772+/-0.090 χ^2/NDF: 2834478.5/32

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 582.014+/-0.093 χ^2/NDF: 3510490.1/36

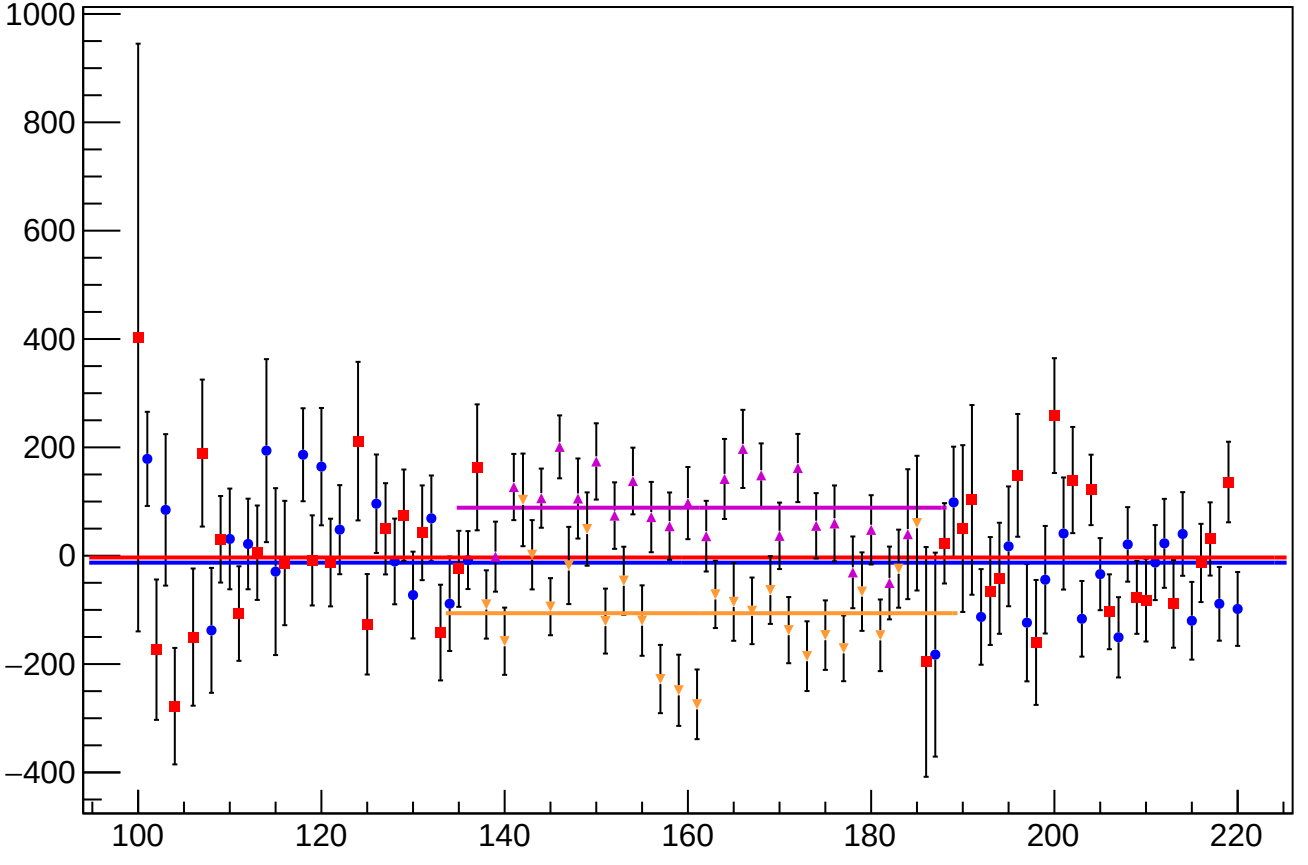
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 396.366+/-0.047 χ^2/NDF: 7974560.3/57

All: 398.920+/-0.033 χ^2/NDF: 17020176.7/11

- sign 401.628+/-0.048 χ^2/NDF: 9039426.2/59

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: -12.817+/-14.699 χ^2/NDF: 37.3/32

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: -3.264+/-15.002 χ^2/NDF: 50.6/36

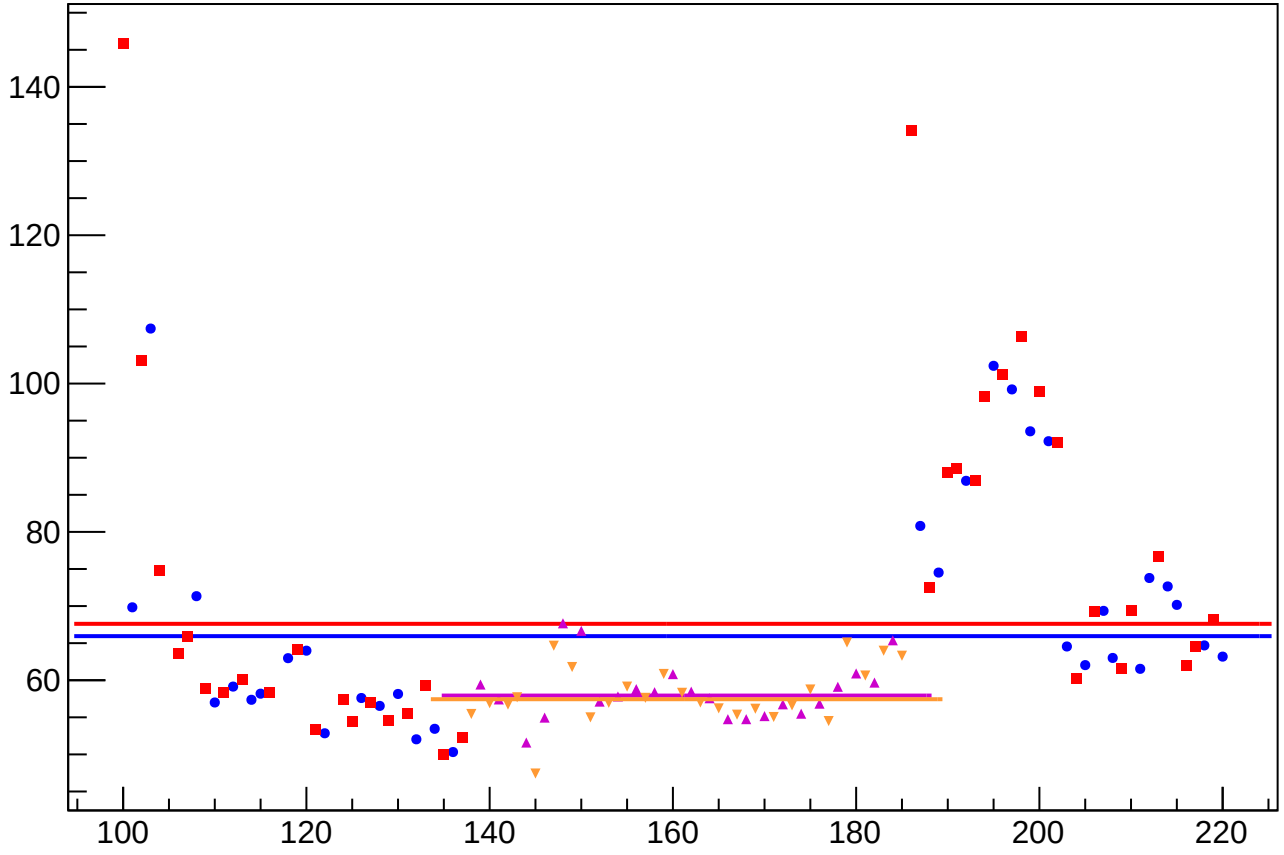
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -64.843+/-9.775 χ^2/NDF: 100.5/57

All: -10.401+/-7.011 χ^2/NDF: 259.5/117

- sign 47.284+/-10.062 χ^2/NDF: 95.2/59

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.945+/-0.010 χ^2/NDF: 1514472.8/32

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

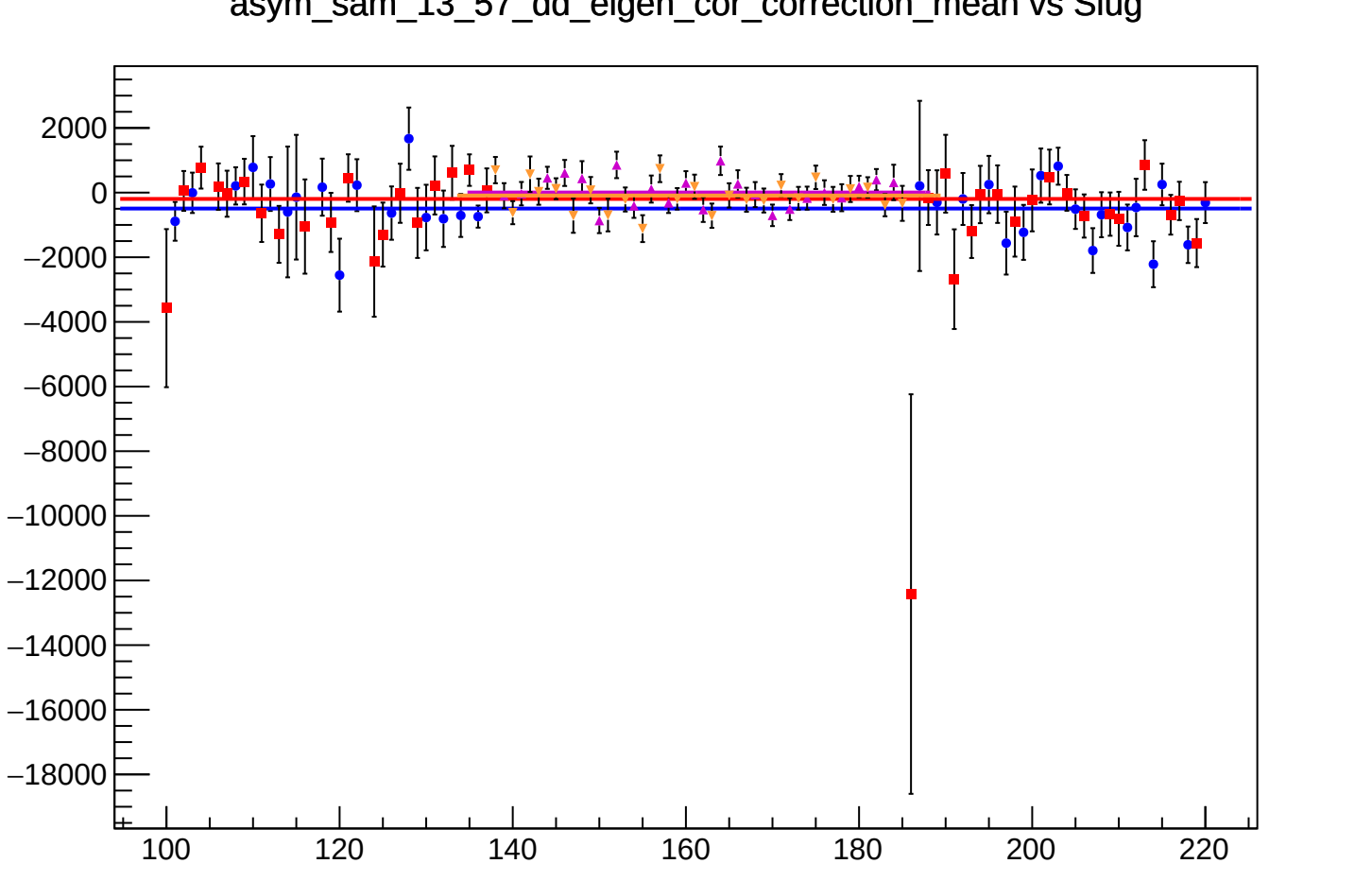
Right Out: 67.605+/-0.011 χ^2/NDF: 1999566.1/36

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 61.202+/-0.007 χ^2/NDF: 2062493.5/57

All: 61.727+/-0.005 χ^2/NDF: 4667292.2/117

- sign 62.284+/-0.007 χ^2/NDF: 2592889.0/59



Right In: -493.292+/-127.366 χ^2/NDF: 40.9/32

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -195.639+/-131.638 χ^2/NDF: 33.7/36

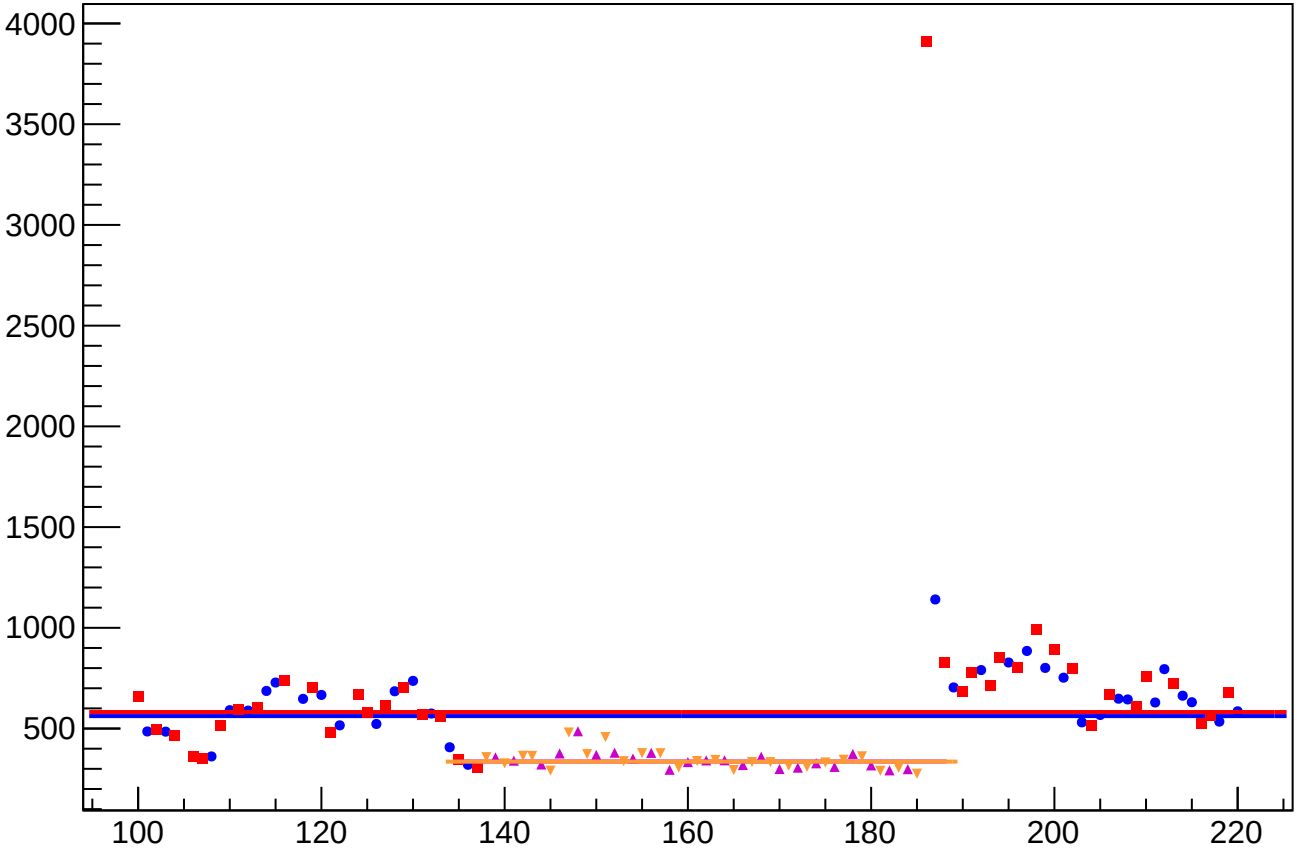
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -197.280+/-65.901 χ^2/NDF: 78.2/57

All: -125.676+/-47.276 χ^2/NDF: 149.6/117

- sign -49.752+/-67.860 χ^2/NDF: 68.9/59

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 561.772+/-0.090 χ^2/NDF: 2834478.5/32

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 582.014+/-0.093 χ^2/NDF: 3510490.1/36

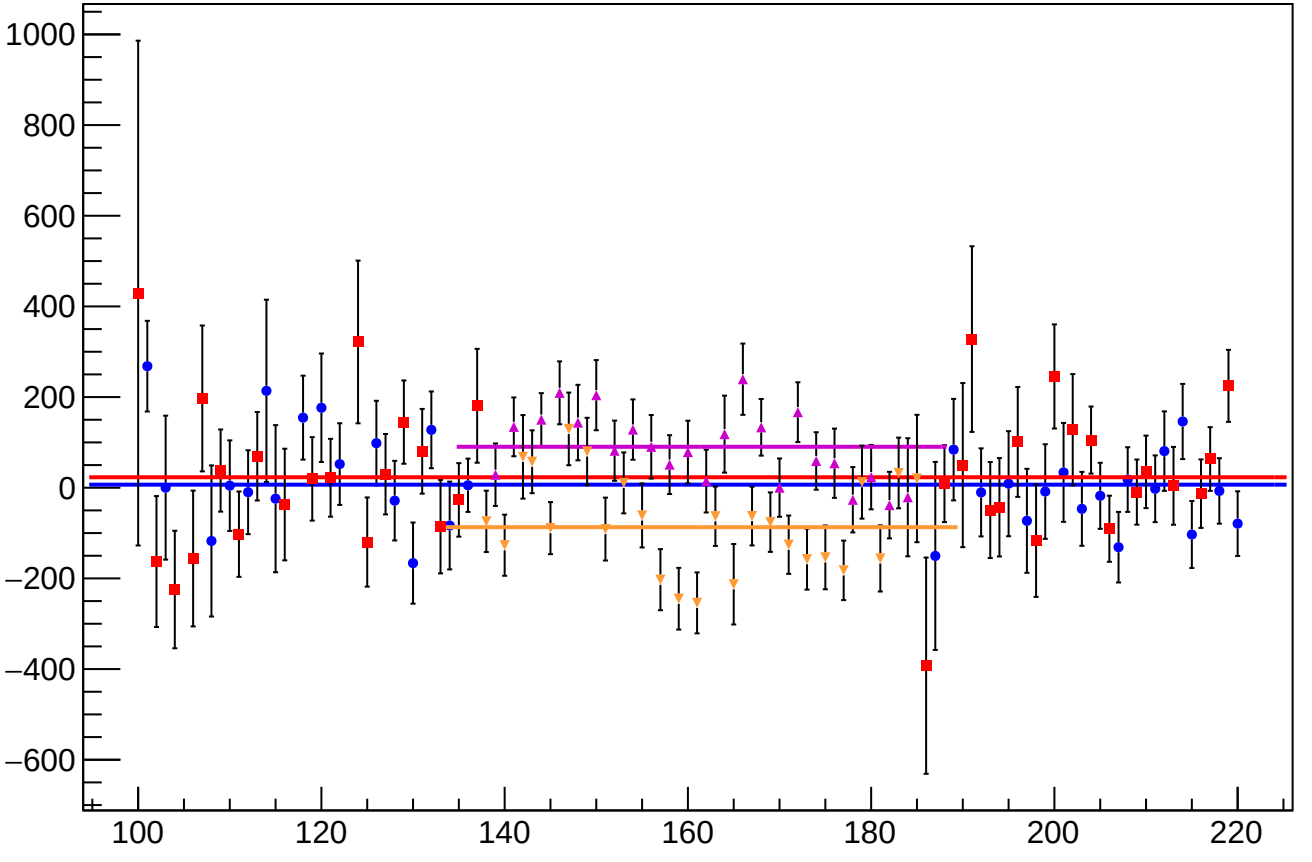
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 396.366+/-0.047 χ^2/NDF: 7974560.3/57

All: 398.920+/-0.033 χ^2/NDF: 17020176.7/11

- sign 401.628+/-0.048 χ^2/NDF: 9039426.2/59

dit_asym_sam_13_57_dd_mean vs Slug



Right In: 6.796+/-15.936 χ^2/NDF: 33.7/32

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 23.135+/-16.418 χ^2/NDF: 44.0/36

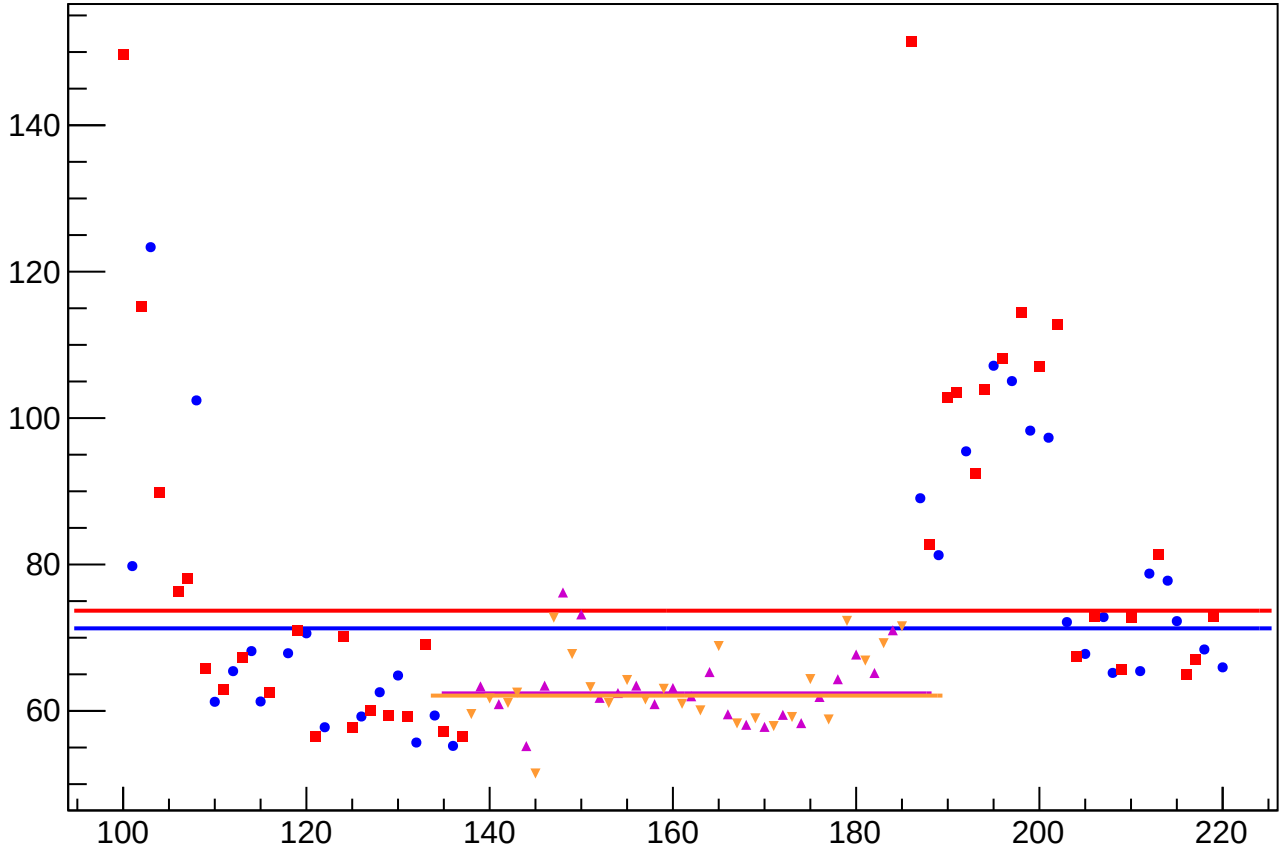
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -45.547+/-10.591 χ^2/NDF: 101.8/57

All: 5.814+/-7.607 χ^2/NDF: 228.8/117

- sign 60.547+/-10.933 χ^2/NDF: 78.4/59

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.279+/-0.011 χ^2/NDF: 1535721.6/32

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

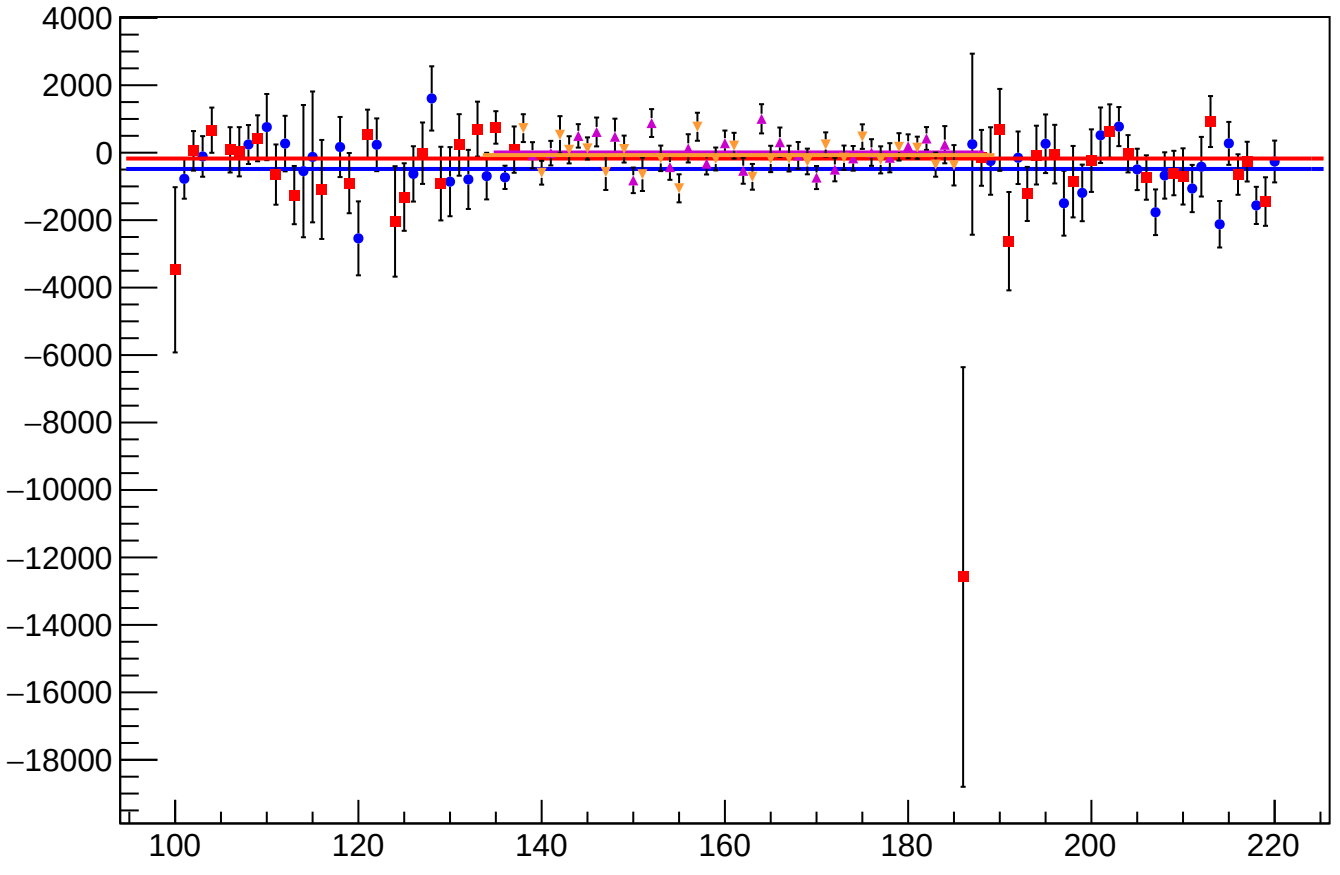
Right Out: 73.692+/-0.012 χ^2/NDF: 2103615.4/36

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

\+ sign 66.151+/-0.007 χ^2/NDF: 2140070.2/57

All: 66.758+/-0.005 χ^2/NDF: 4973061.8/117

\- sign 67.405+/-0.008 χ^2/NDF: 2819402.1/59



Right In: -482.819+/-126.431 χ^2/NDF: 39.8/32

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -173.537+/-129.686 χ^2/NDF: 34.7/36

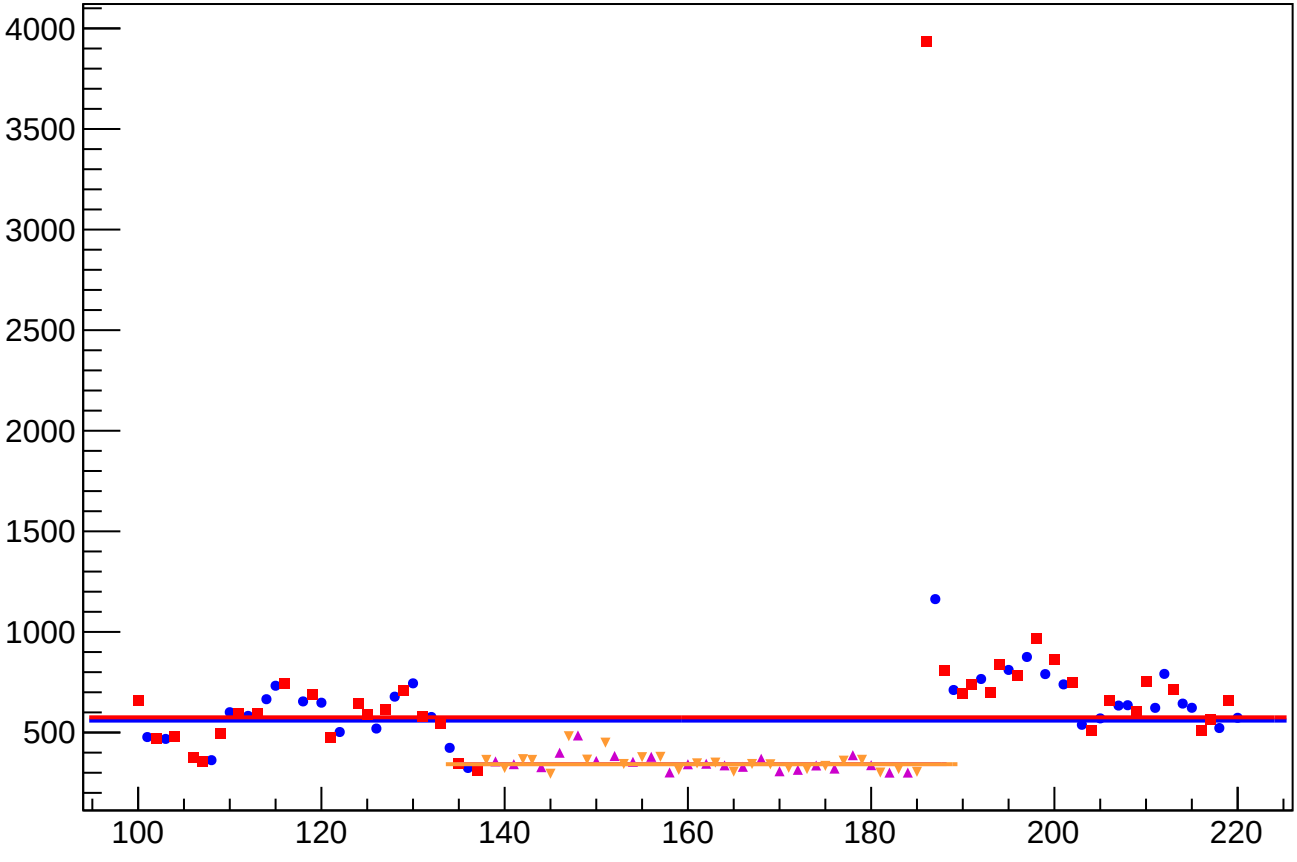
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -185.608+/-66.629 χ^2/NDF: 76.0/57

All: -116.855+/-47.780 χ^2/NDF: 148.3/117

- sign -44.072+/-68.554 χ^2/NDF: 70.1/59

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 559.198+/-0.089 χ^2/NDF: 2688135.8/32

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 575.457+/-0.092 χ^2/NDF: 3350192.5/36

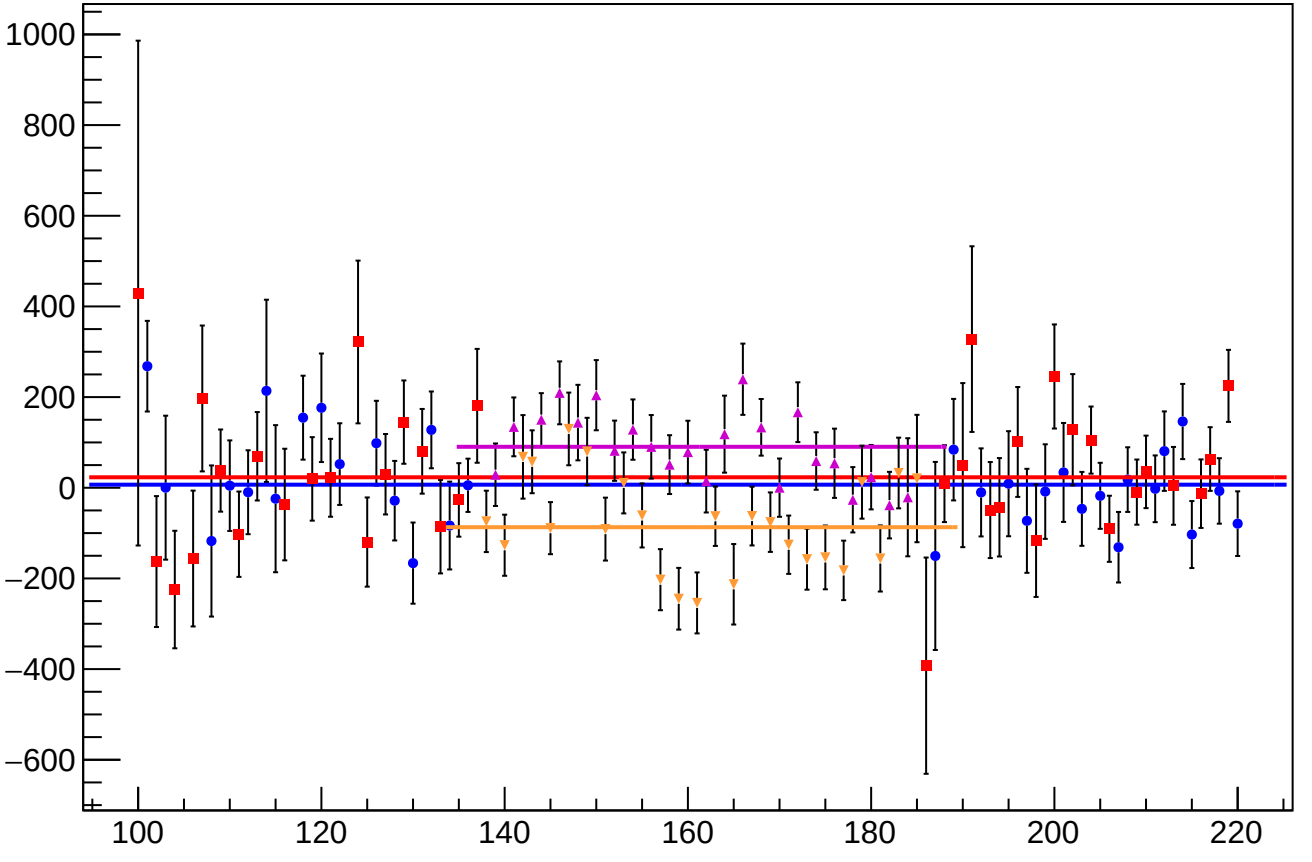
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 402.685+/-0.047 χ^2/NDF: 7365833.4/57

All: 405.331+/-0.034 χ^2/NDF: 15716003.9/11

- sign 408.133+/-0.048 χ^2/NDF: 8343674.5/59

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 6.797+/-15.936 χ^2/NDF: 33.7/32

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 23.135+/-16.418 χ^2/NDF: 44.0/36

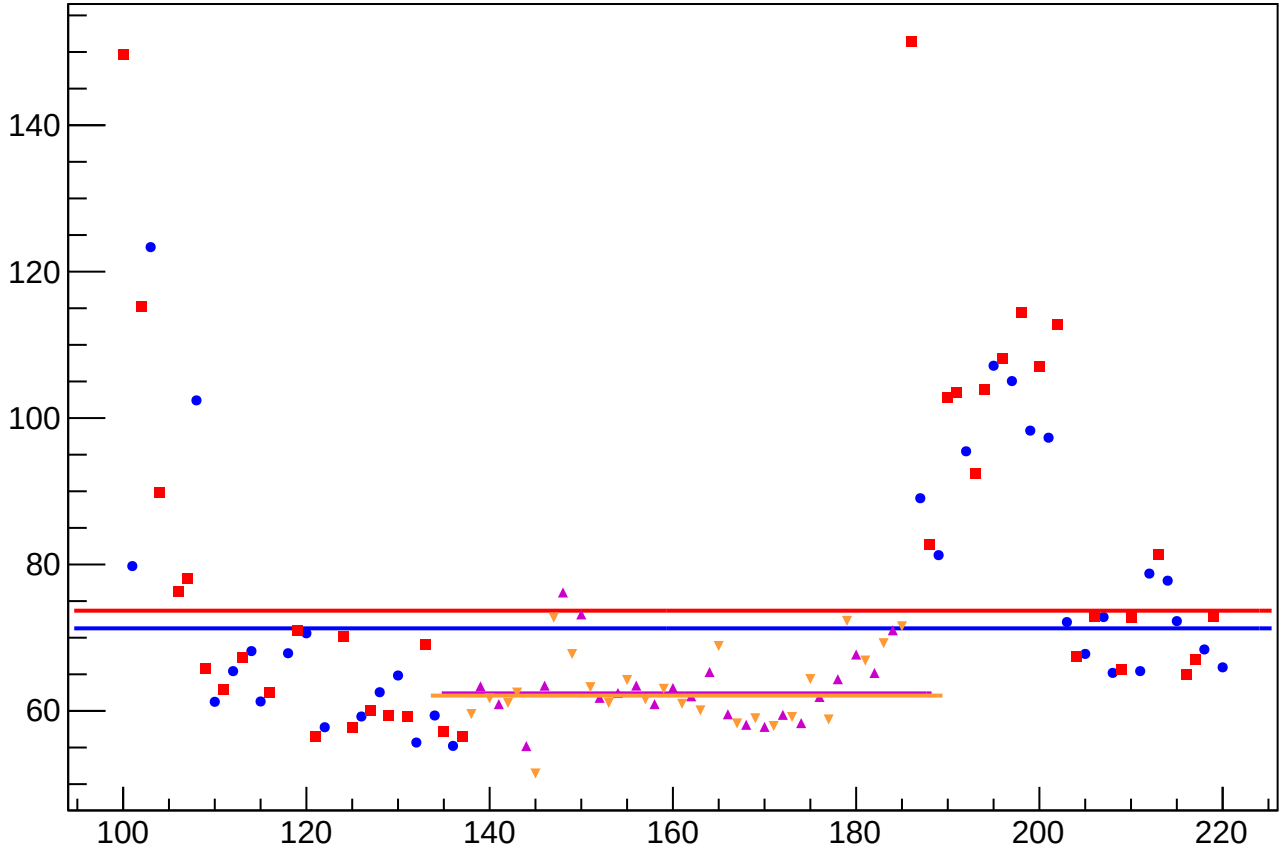
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -45.547+/-10.591 χ^2/NDF: 101.8/57

All: 5.814+/-7.607 χ^2/NDF: 228.8/117

- sign 60.547+/-10.933 χ^2/NDF: 78.4/59

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.279+/-0.011 χ^2/NDF: 1535745.2/32

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

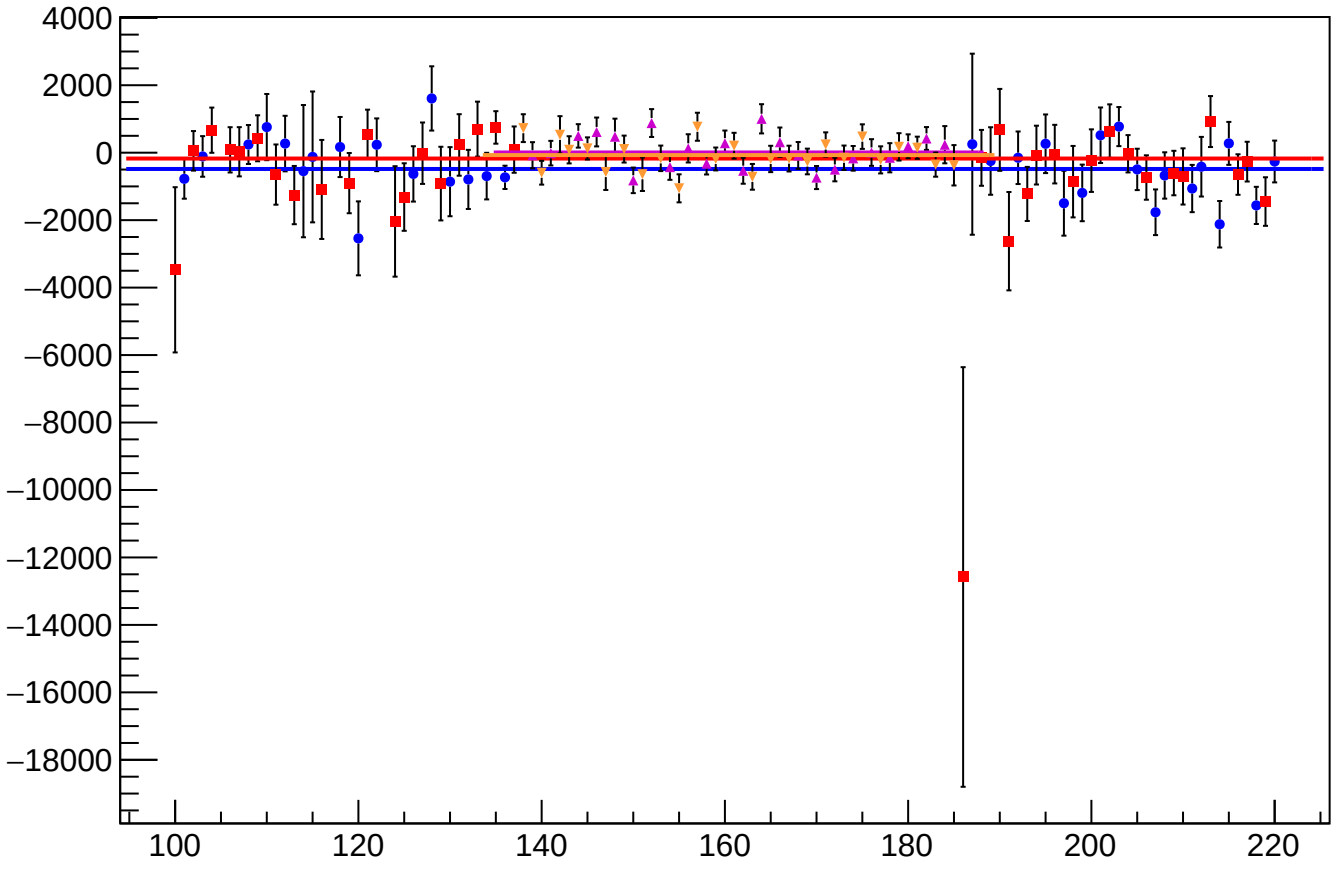
Right Out: 73.692+/-0.012 χ^2/NDF: 2103619.3/36

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 66.151+/-0.007 χ^2/NDF: 2140095.1/57

All: 66.758+/-0.005 χ^2/NDF: 4973086.7/117

- sign 67.405+/-0.008 χ^2/NDF: 2819401.8/59



Right In: -482.818+/-126.431 χ^2/NDF: 39.8/32

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

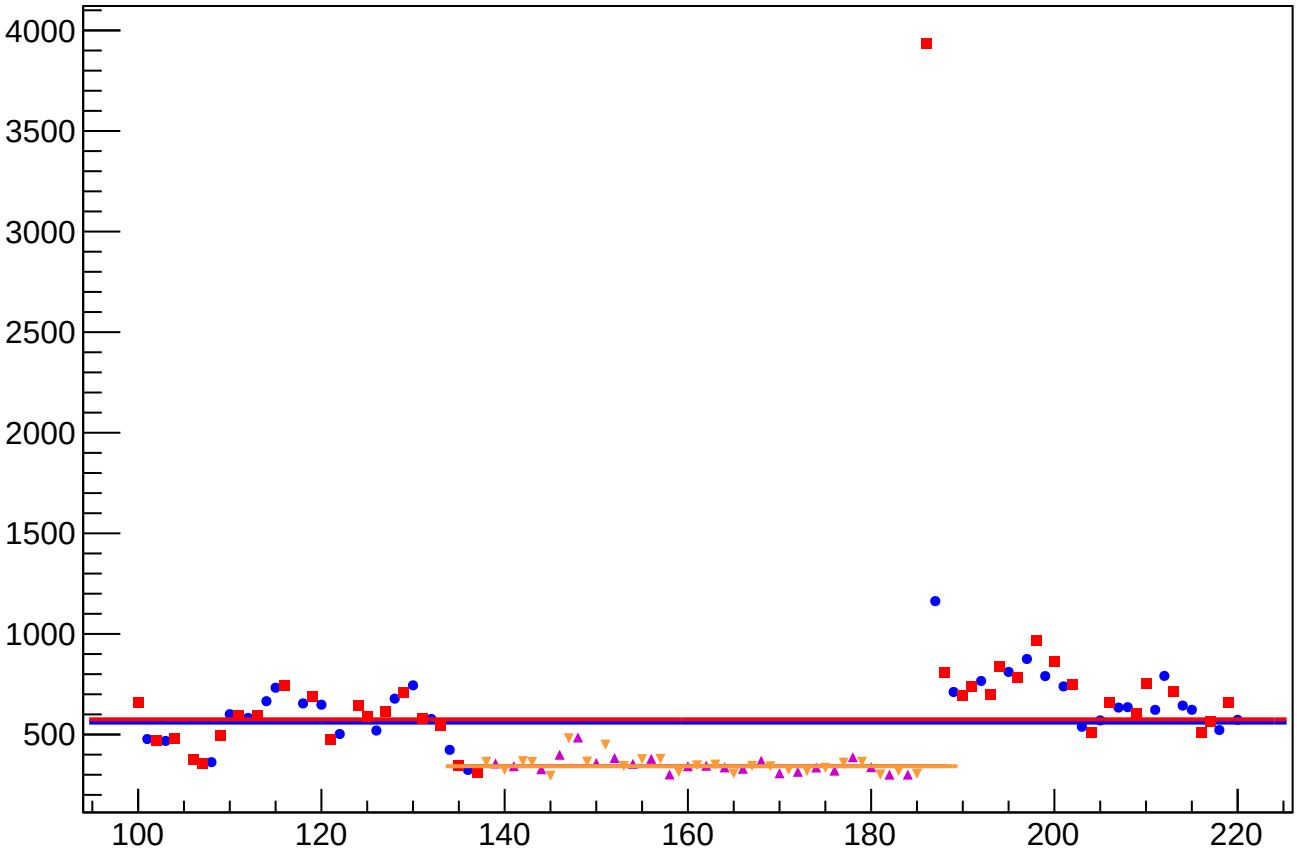
Right Out: -173.537+/-129.685 χ^2/NDF: 34.7/36

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -185.608+/-66.629 χ^2/NDF: 76.0/57

All: -116.855+/-47.780 χ^2/NDF: 148.3/117

- sign -44.072+/-68.554 χ^2/NDF: 70.1/59



Right In: 559.197+/-0.089 χ^2/NDF: 2688139.3/32

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 575.456+/-0.092 χ^2/NDF: 3350198.7/36

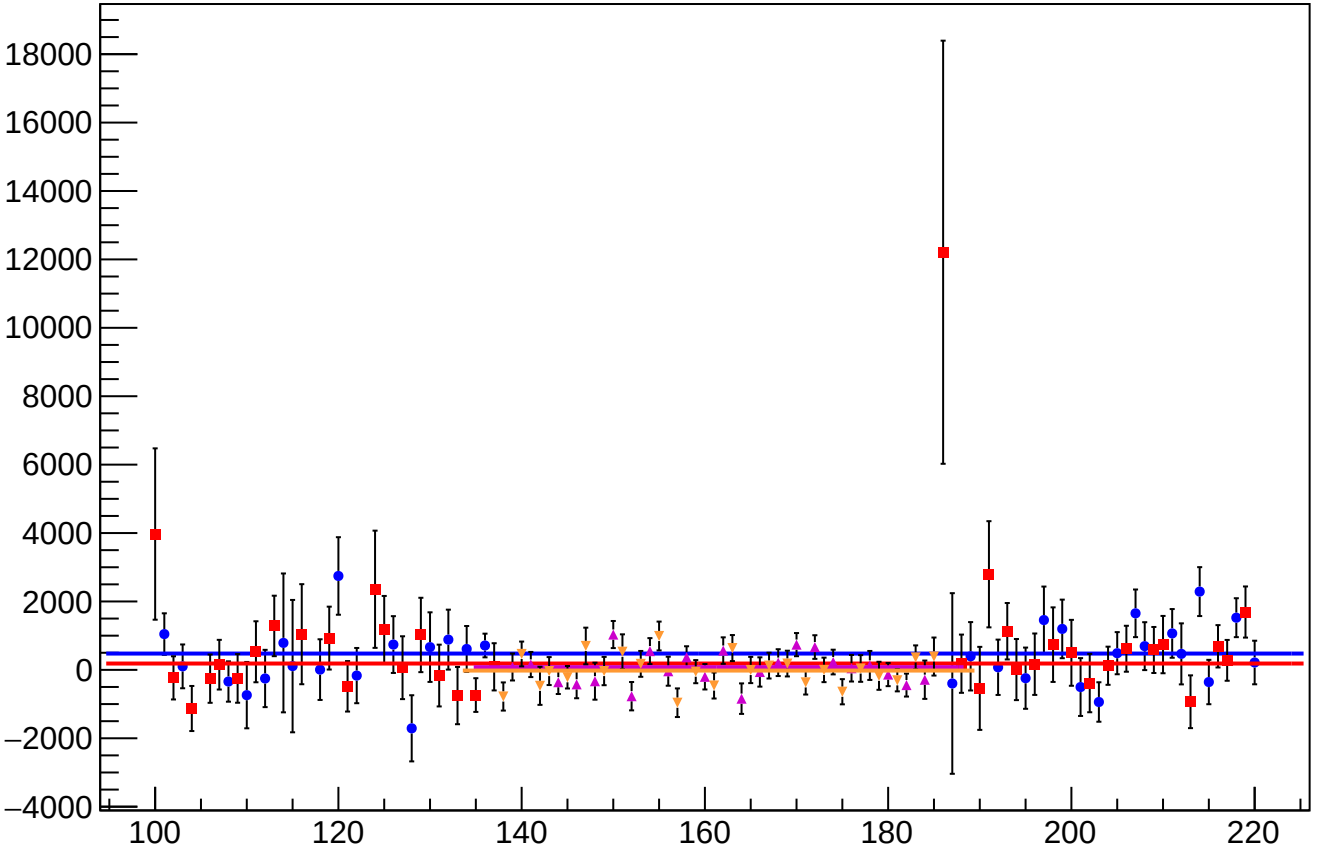
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 402.685+/-0.047 χ^2/NDF: 7365822.0/57

All: 405.331+/-0.034 χ^2/NDF: 15715974.1/11

- sign 408.133+/-0.048 χ^2/NDF: 8343655.8/59

asym_sam_13_57_dd_mean vs Slug



Right In: 476.813+/-128.499 χ^2/NDF: 41.8/32

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 185.307+/-132.636 χ^2/NDF: 36.3/36

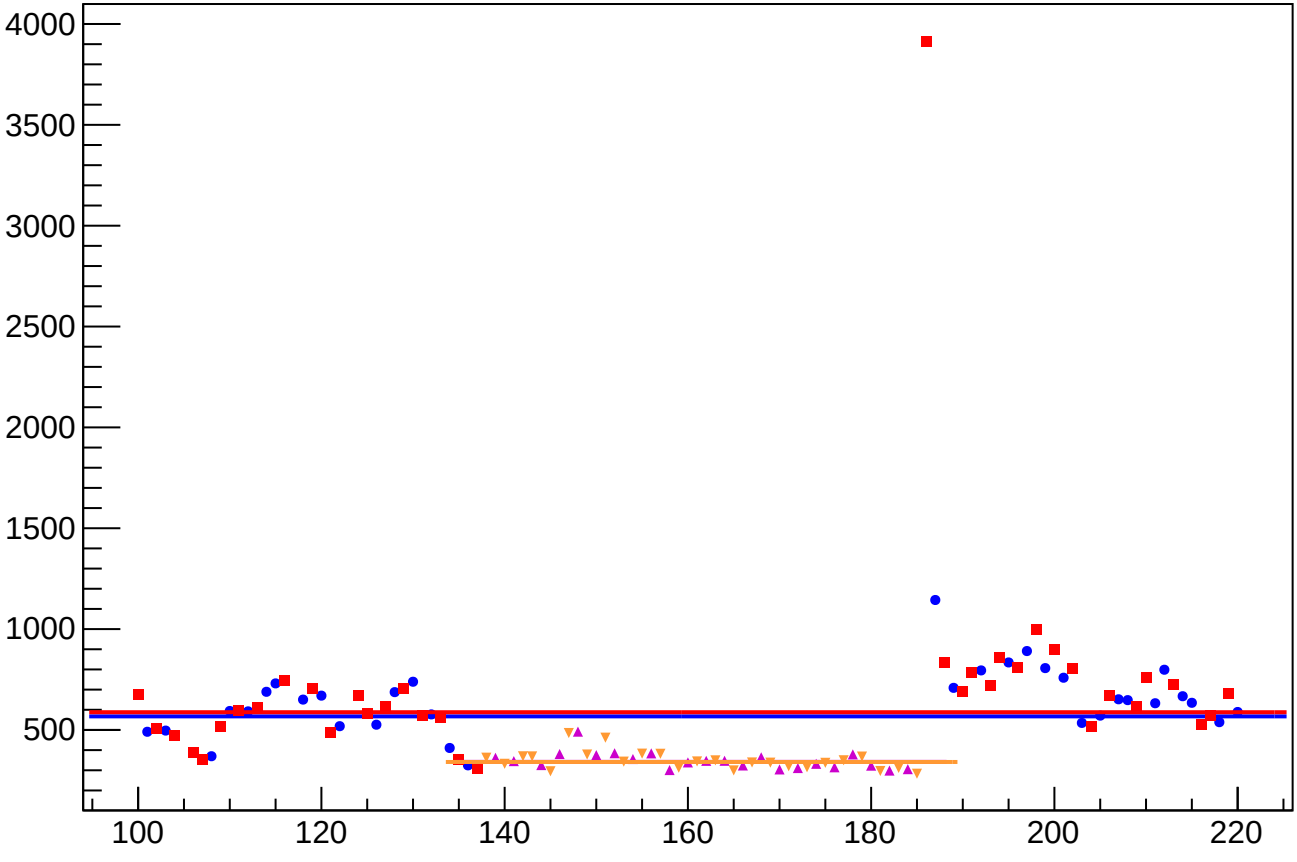
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 114.061+/-66.800 χ^2/NDF: 84.1/57

All: 110.810+/-47.913 χ^2/NDF: 153.8/117

- sign 107.365+/-68.761 χ^2/NDF: 69.7/59

asym_sam_13_57_dd_rms vs Slug



Right In: 567.300+/-0.091 χ^2/NDF: 2766175.7/32

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

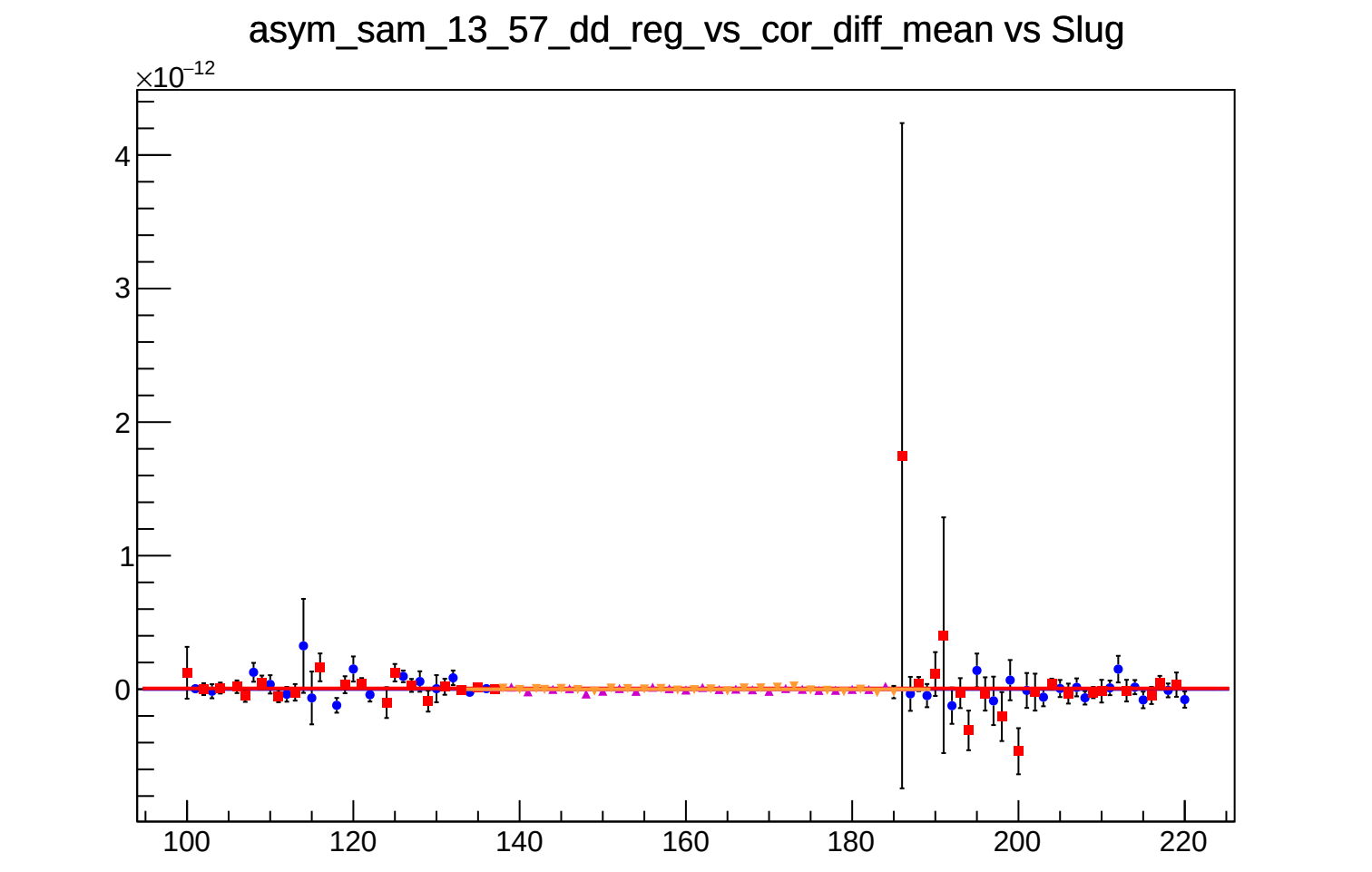
Right Out: 587.896+/-0.094 χ^2/NDF: 3421506.0/36

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 402.301+/-0.047 χ^2/NDF: 7795753.4/57

All: 404.976+/-0.034 χ^2/NDF: 16662751.0/11

- sign 407.810+/-0.049 χ^2/NDF: 8860392.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 32.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

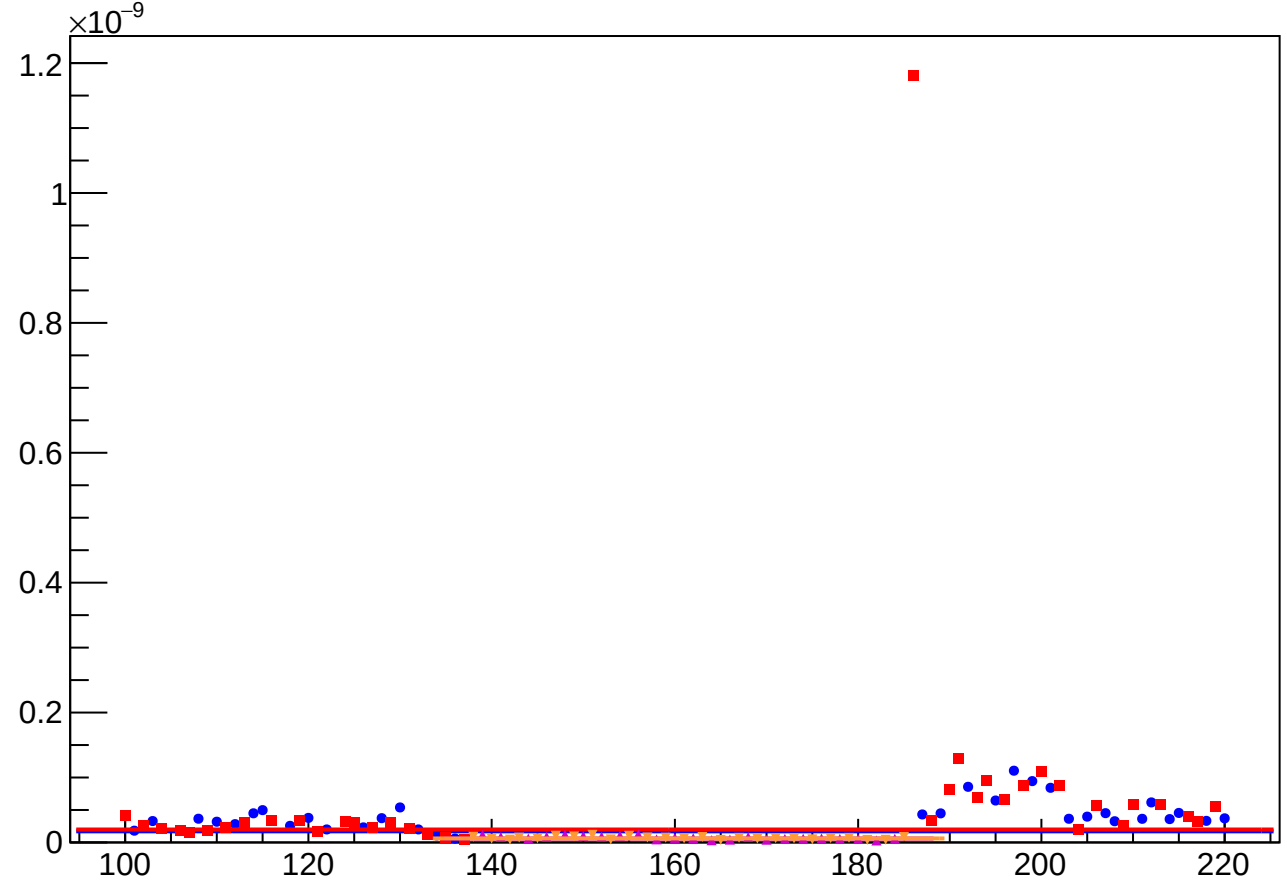
Right Out: 0.000+/-0.000 χ^2/NDF: 32.1/36

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.9/57

All: -0.000+/-0.000 χ^2/NDF: 99.4/117

- sign -0.000+/-0.000 χ^2/NDF: 47.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 9022143.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7830209.1/36

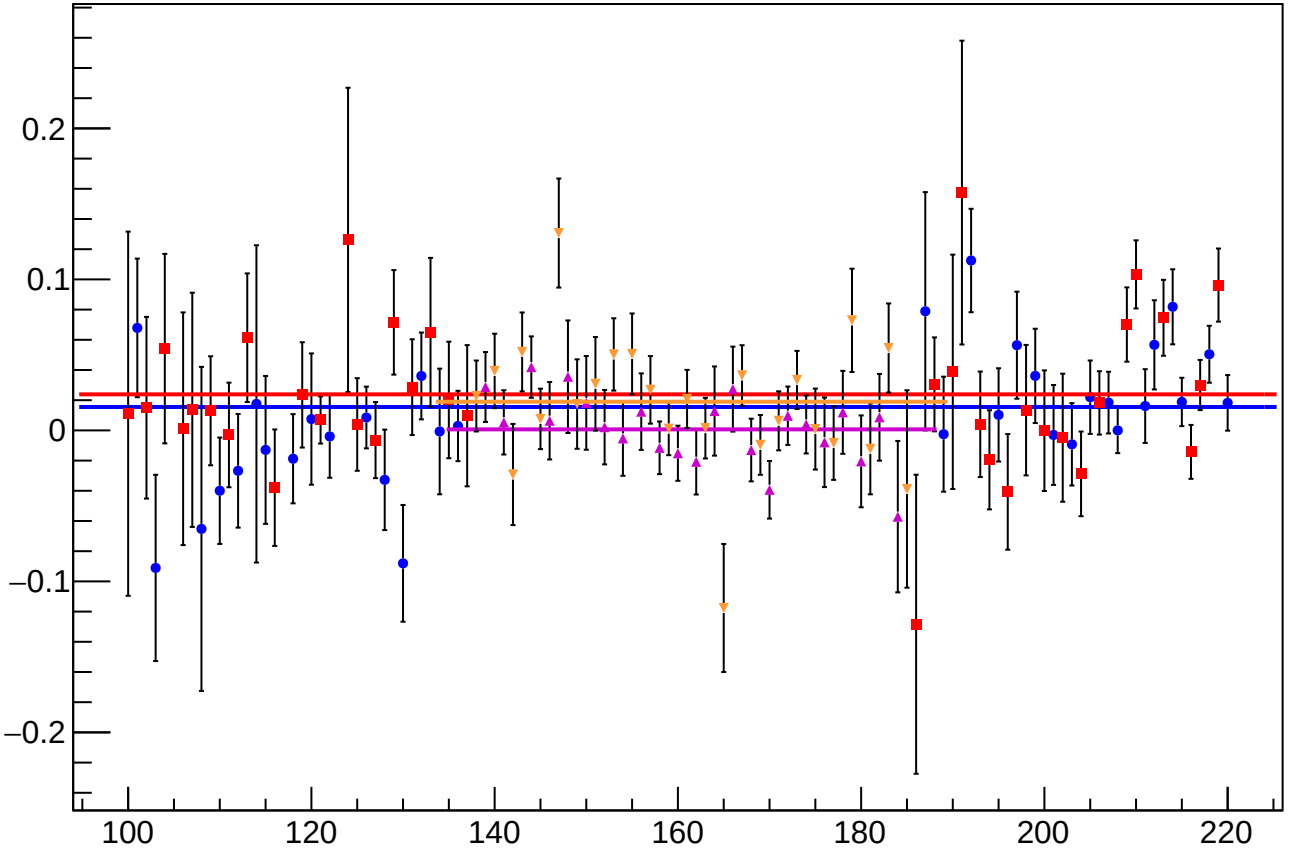
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 14184281.0/57

All: 0.000+/-0.000 χ^2/NDF: 28901444.8/117

- sign 0.000+/-0.000 χ^2/NDF: 14716641.5/59

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.015+/-0.005 χ^2/NDF: 46.7/32

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: 0.024+/-0.005 χ^2/NDF: 58.4/36

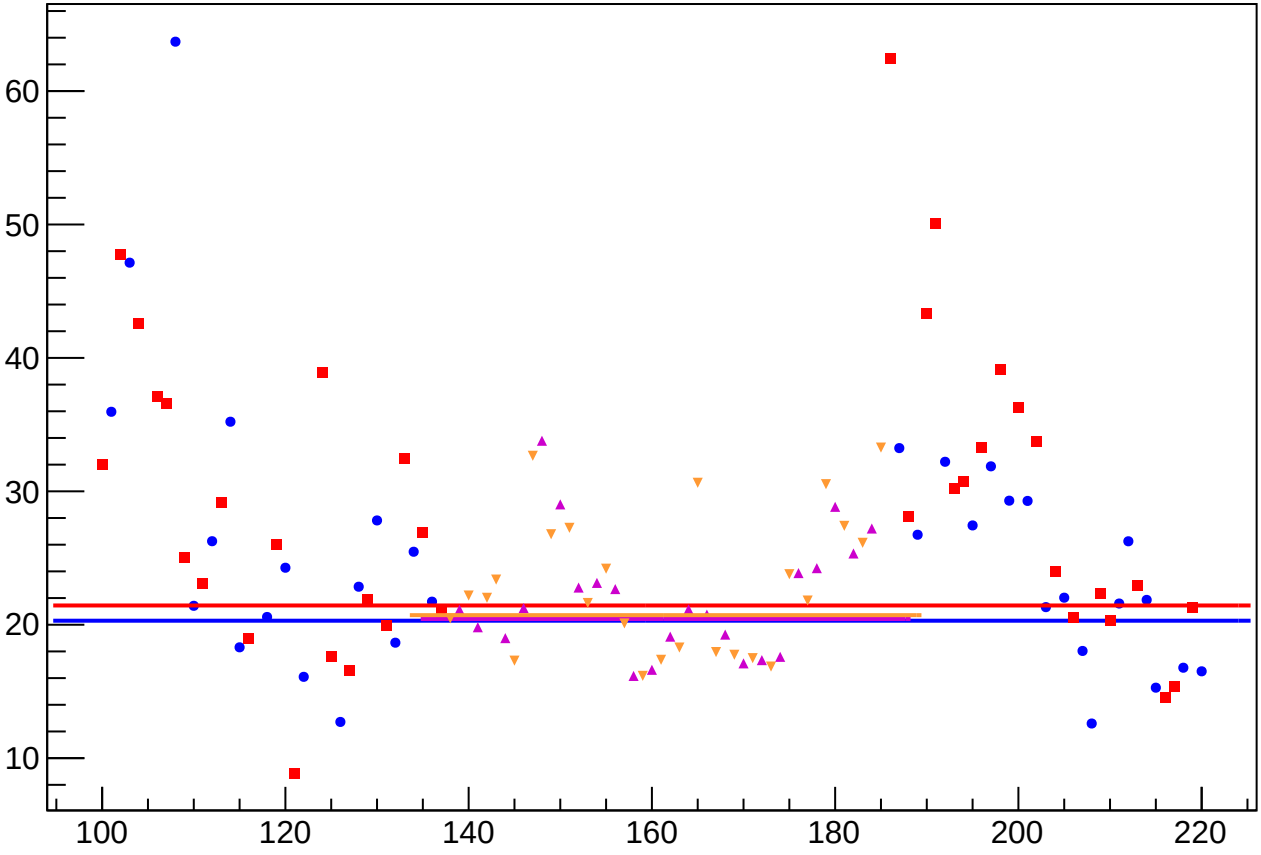
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.017+/-0.003 χ^2/NDF: 88.1/57

All: 0.015+/-0.002 χ^2/NDF: 176.0/117

- sign 0.012+/-0.004 χ^2/NDF: 86.7/59

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.302+/-0.003 χ^2/NDF: 3500255.1/32

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

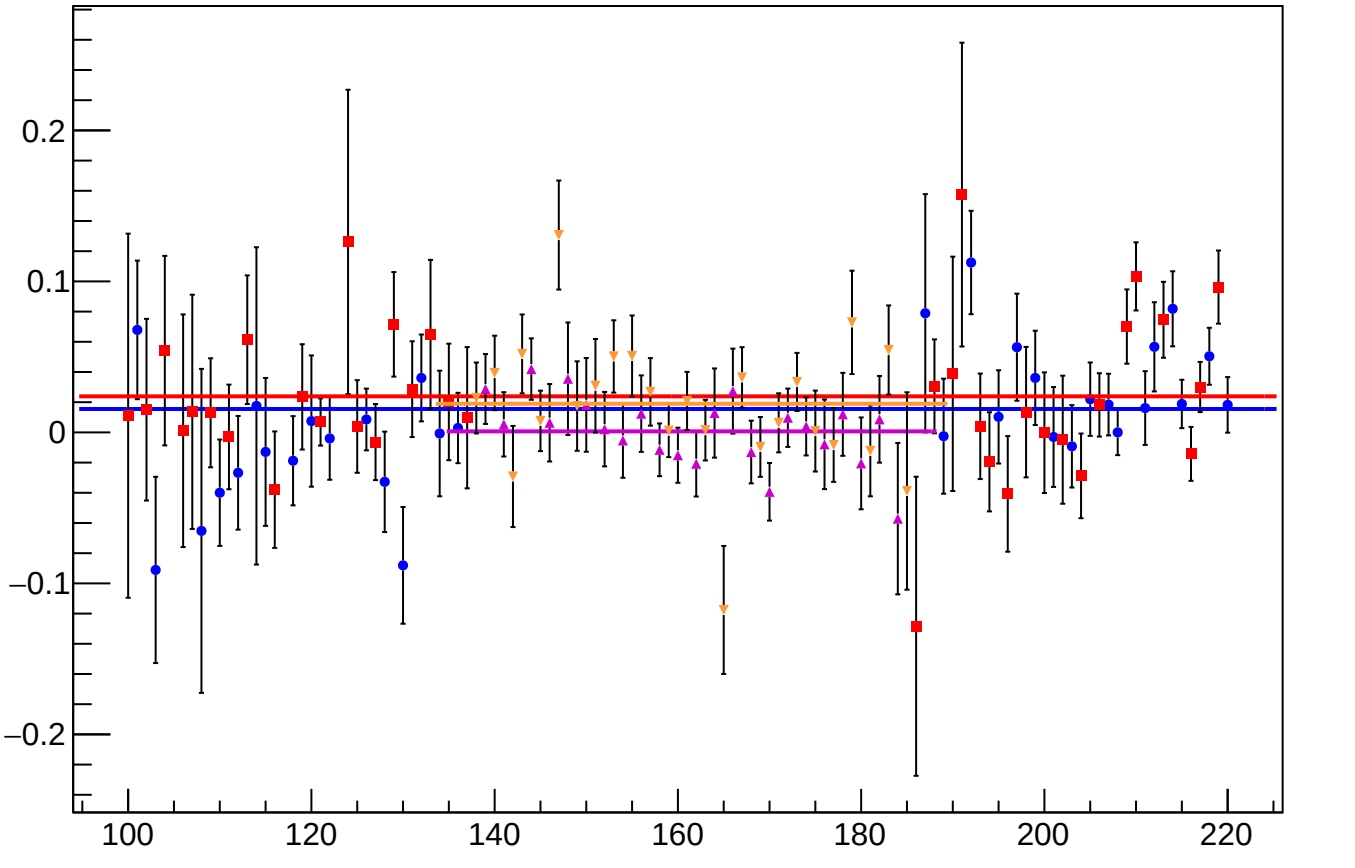
Right Out: 21.444+/-0.004 χ^2/NDF: 5143347.5/36

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.508+/-0.002 χ^2/NDF: 5013985.5/57

All: 20.703+/-0.002 χ^2/NDF: 11385138.7/117

- sign 20.914+/-0.003 χ^2/NDF: 6357713.3/59



Right In: 0.015+/-0.005 χ^2/NDF: 46.7/32

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

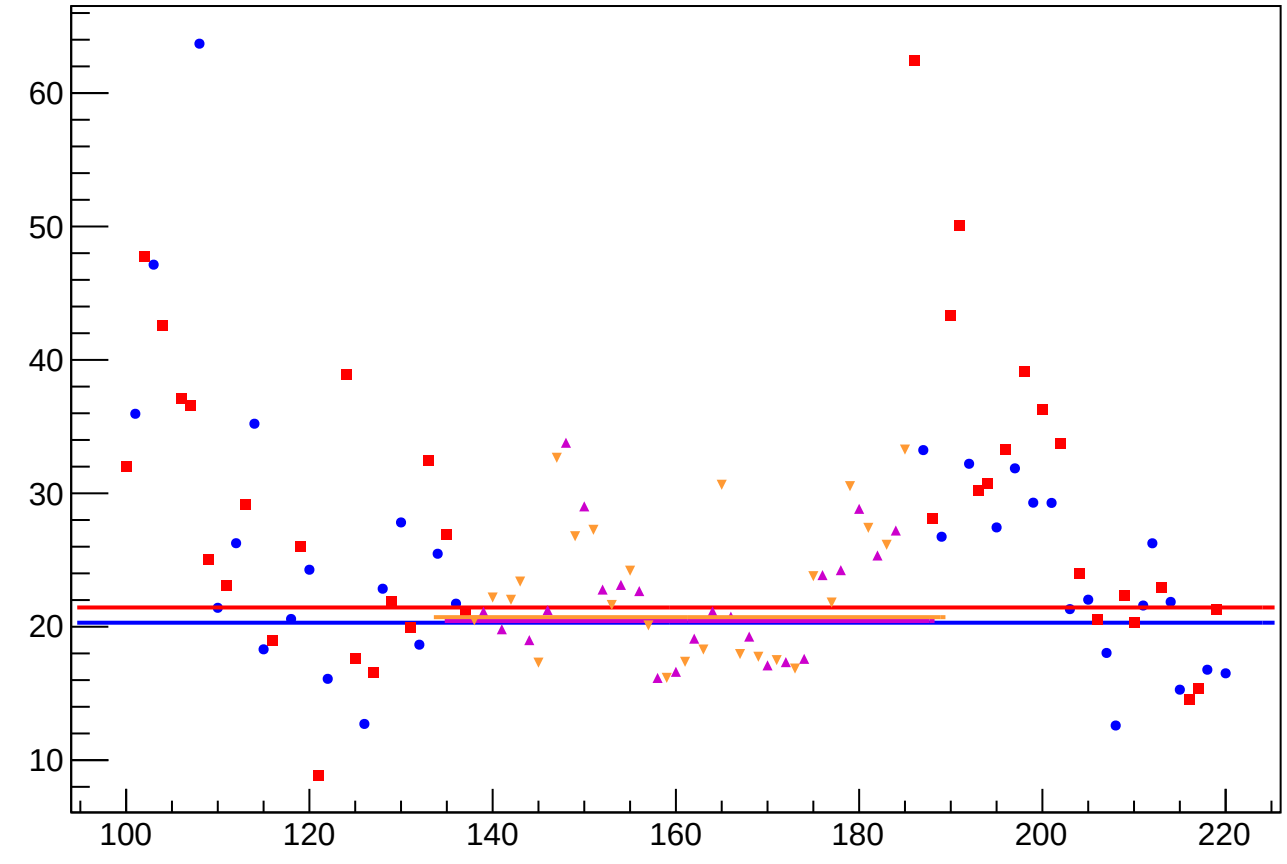
Right Out: 0.024+/-0.005 χ^2/NDF: 58.4/36

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.017+/-0.003 χ^2/NDF: 88.1/57

All: 0.015+/-0.002 χ^2/NDF: 176.0/117

- sign 0.012+/-0.004 χ^2/NDF: 86.7/59



Right In: 20.302+/-0.003 χ^2/NDF: 3500255.1/32

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

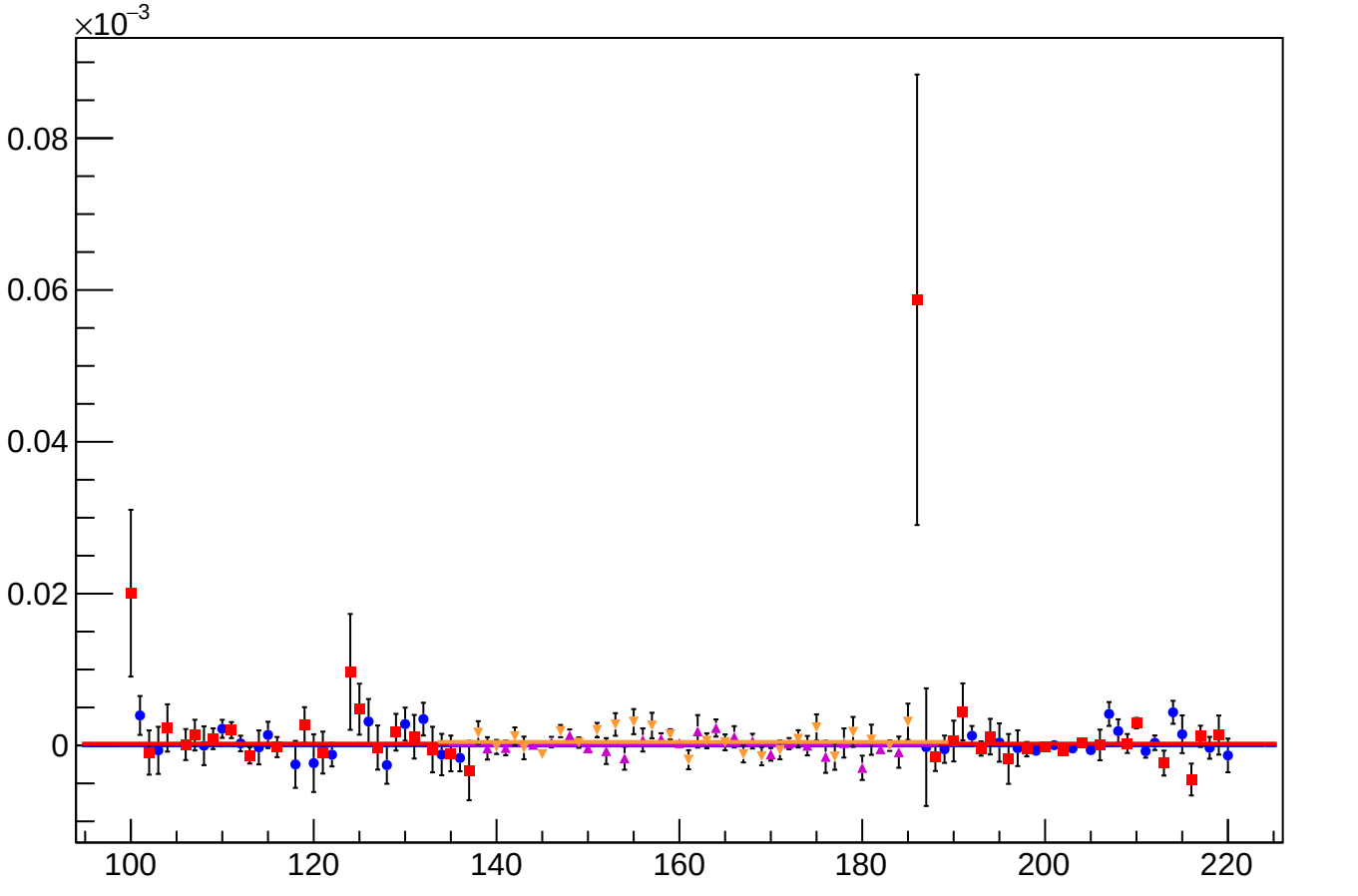
Right Out: 21.444+/-0.004 χ^2/NDF: 5143347.5/36

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 20.508+/-0.002 χ^2/NDF: 5013985.5/57

All: 20.703+/-0.002 χ^2/NDF: 11385138.7/117

- sign 20.914+/-0.003 χ^2/NDF: 6357713.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 38.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 50.2/36

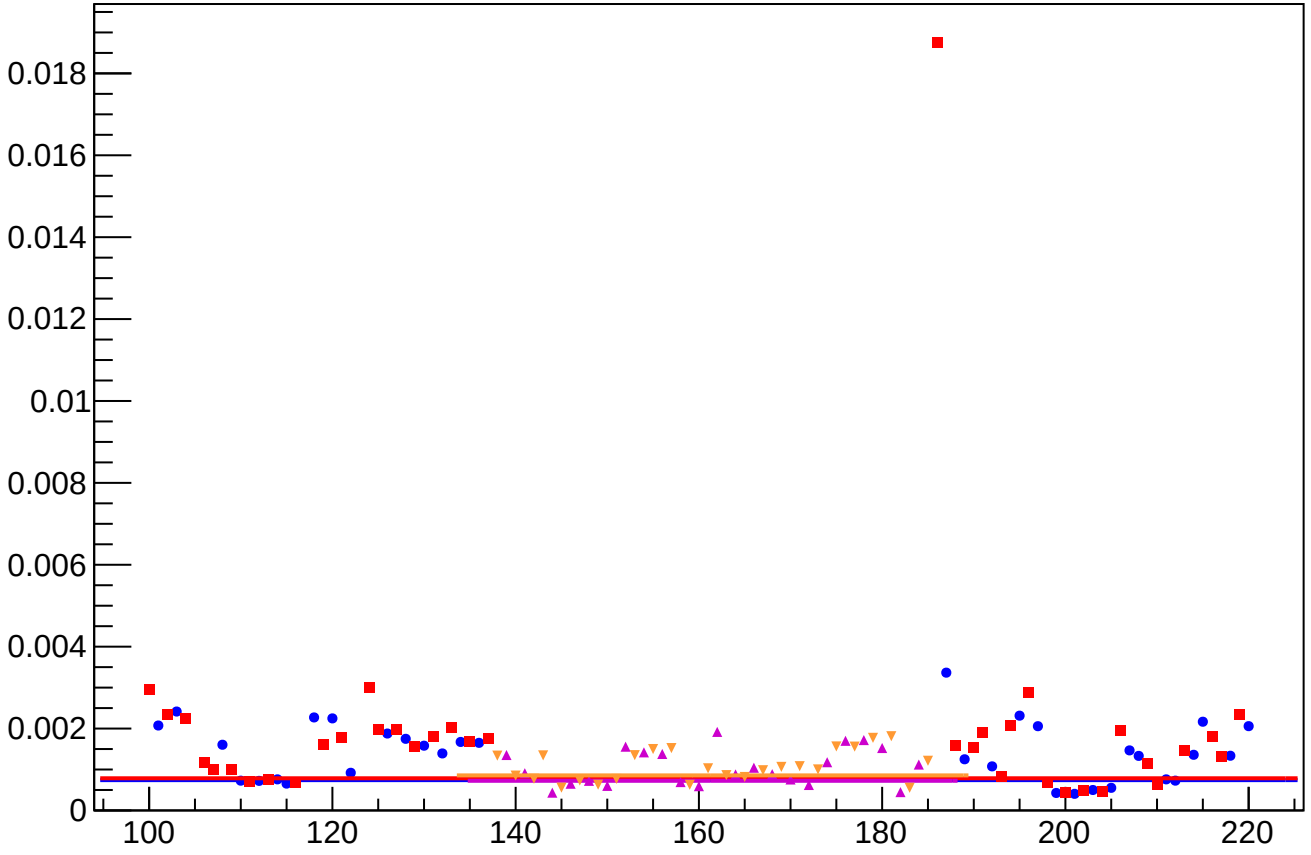
Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.9/57

All: 0.000+/-0.000 χ^2/NDF: 148.1/117

- sign 0.000+/-0.000 χ^2/NDF: 70.1/59

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 11326927.0/32

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

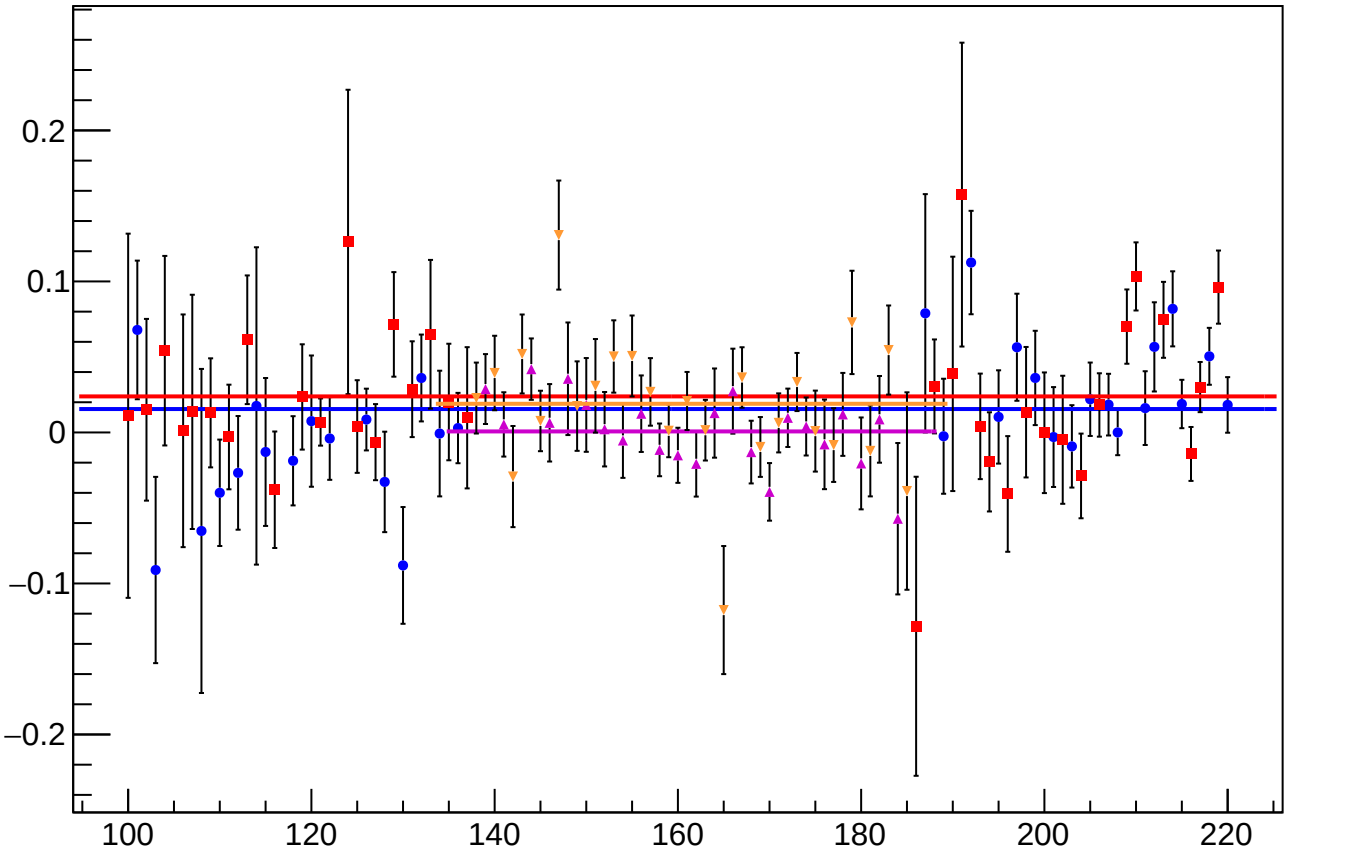
Right Out: 0.001+/-0.000 χ^2/NDF: 11740080.9/36

Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 16083930.8/57

All: 0.001+/-0.000 χ^2/NDF: 33811207.6/117

- sign 0.001+/-0.000 χ^2/NDF: 17637931.7/59



Right In: 0.016+/-0.005 χ^2/NDF: 46.7/32

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

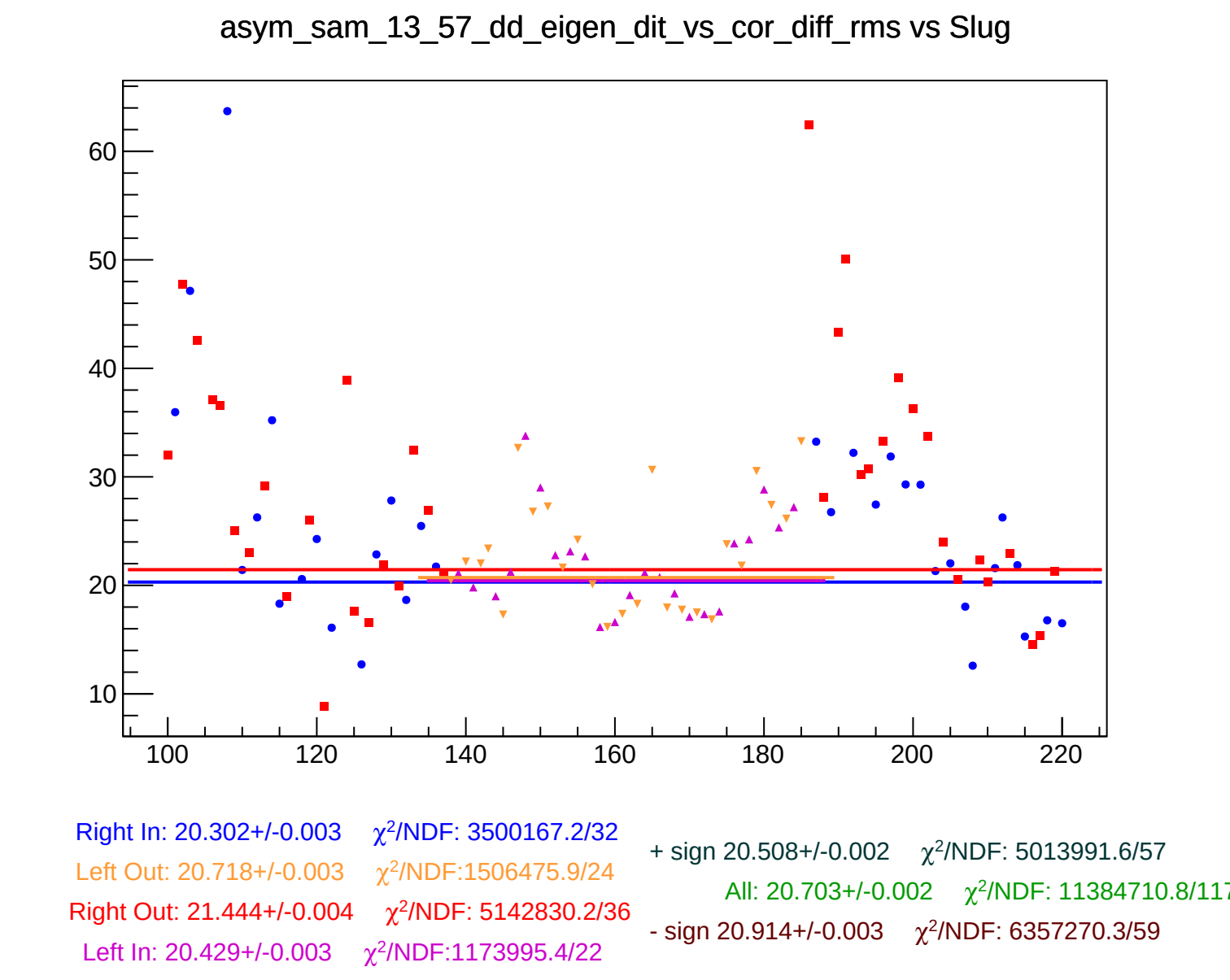
Right Out: 0.024+/-0.005 χ^2/NDF: 58.4/36

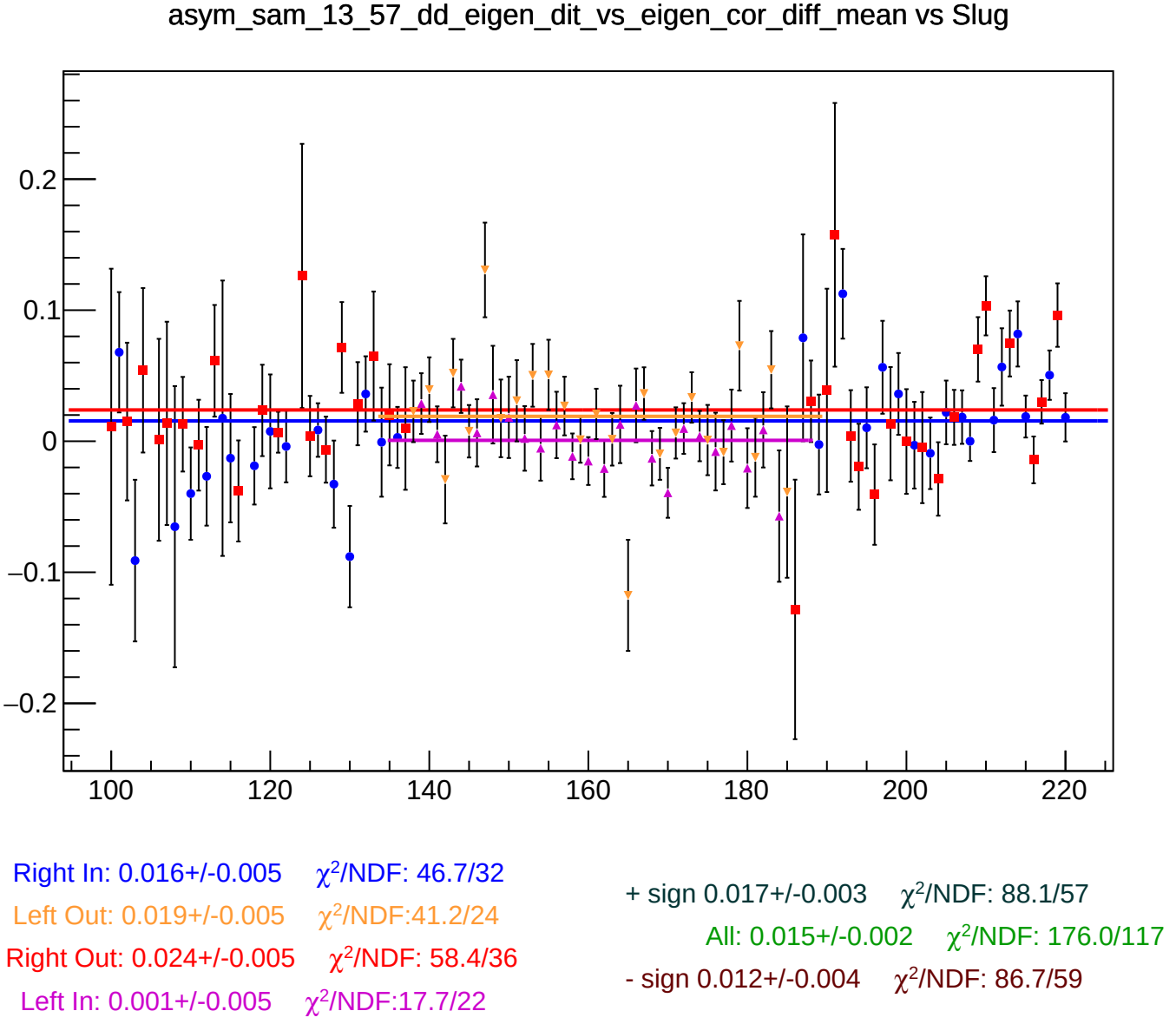
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

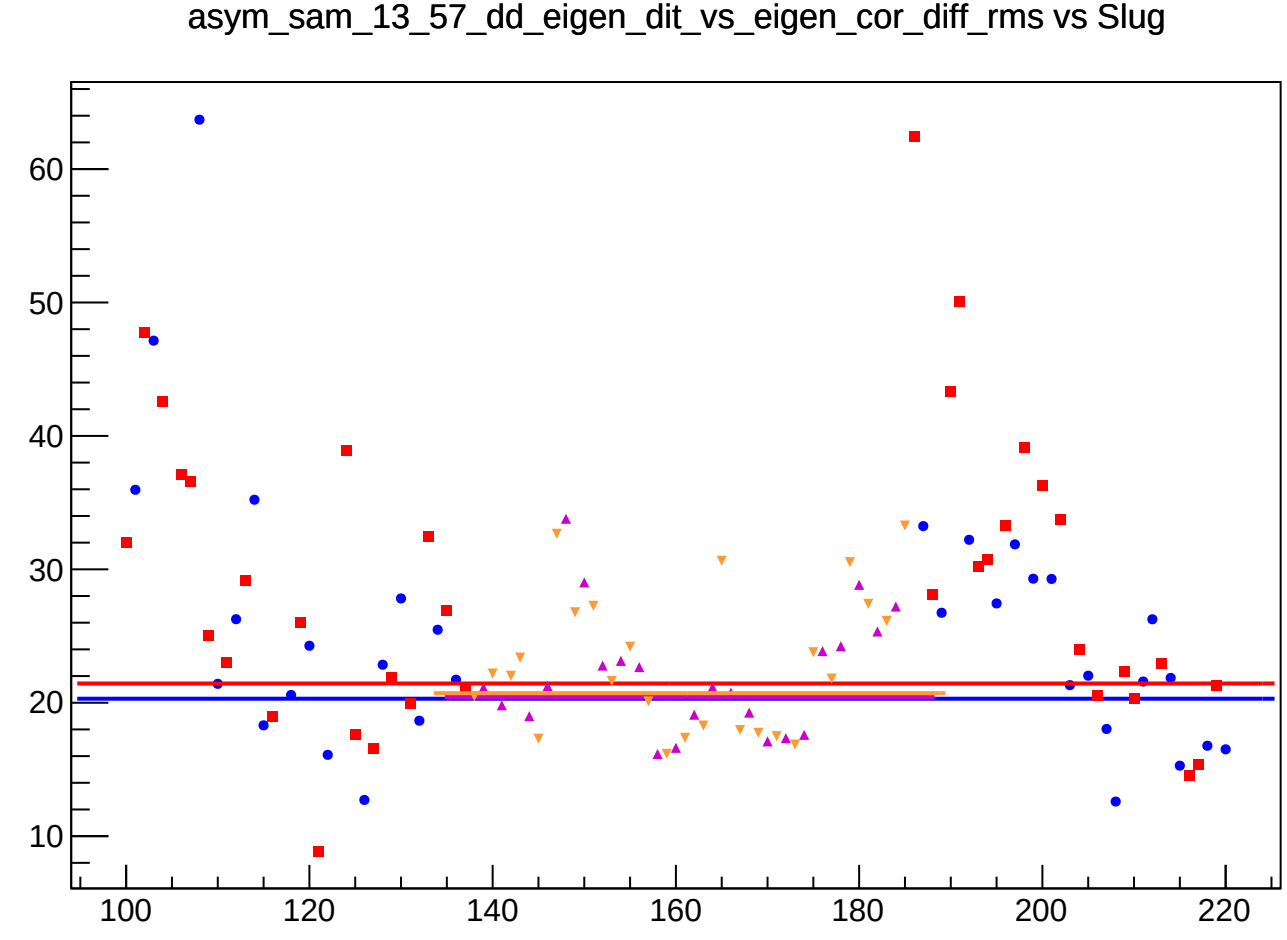
+ sign 0.017+/-0.003 χ^2/NDF: 88.1/57

All: 0.015+/-0.002 χ^2/NDF: 176.0/117

- sign 0.012+/-0.004 χ^2/NDF: 86.7/59


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs Slug
60
50
40
30
20
10
100
120
140
160
180
200
220
Right In: 20.302+/-0.003 χ²/NDF: 3500167.2/32
Left Out: 20.718+/-0.003 χ²/NDF:1506475.9/24
Right Out: 21.444+/-0.004 χ²/NDF: 5142830.2/36
Left In: 20.429+/-0.003 χ²/NDF:1173995.4/22
+ sign 20.508+/-0.002 χ²/NDF: 5013991.6/57
All: 20.703+/-0.002 χ²/NDF: 11384710.8/117
- sign 20.914+/-0.003 χ²/NDF: 6357270.3/59


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
220
Right In: 0.016+/-0.005 χ²/NDF: 46.7/32
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: 0.024+/-0.005 χ²/NDF: 58.4/36
Left In: 0.001+/-0.005 χ²/NDF:17.7/22
+ sign 0.017+/-0.003 χ²/NDF: 88.1/57
All: 0.015+/-0.002 χ²/NDF: 176.0/117
- sign 0.012+/-0.004 χ²/NDF: 86.7/59



Right In: 20.302+/-0.003 χ^2/NDF: 3500167.2/32

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

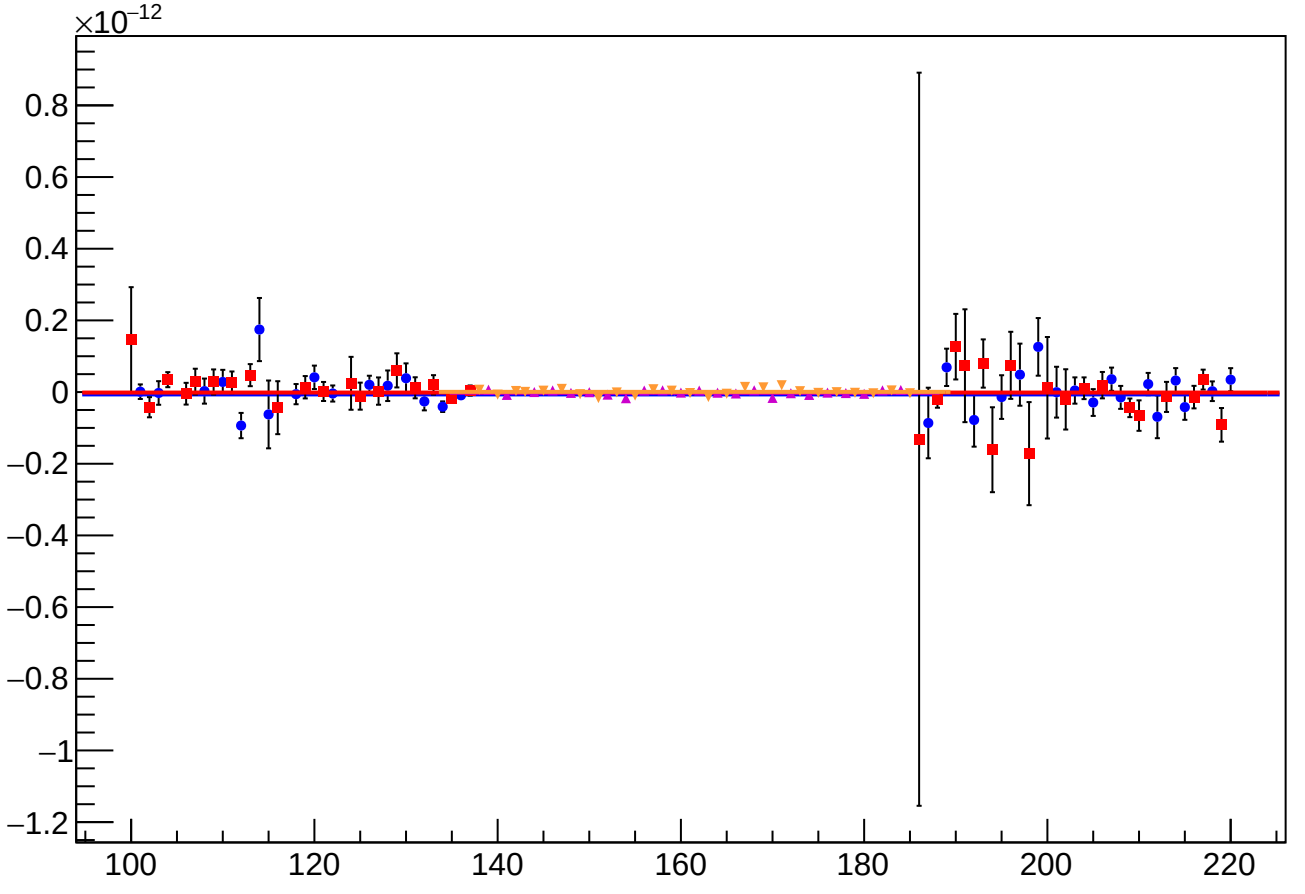
Right Out: 21.444+/-0.004 χ^2/NDF: 5142830.2/36

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 20.508+/-0.002 χ^2/NDF: 5013991.6/57

All: 20.703+/-0.002 χ^2/NDF: 11384710.8/117

- sign 20.914+/-0.003 χ^2/NDF: 6357270.3/59



Right In: -0.000+/-0.000 χ^2/NDF: 37.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

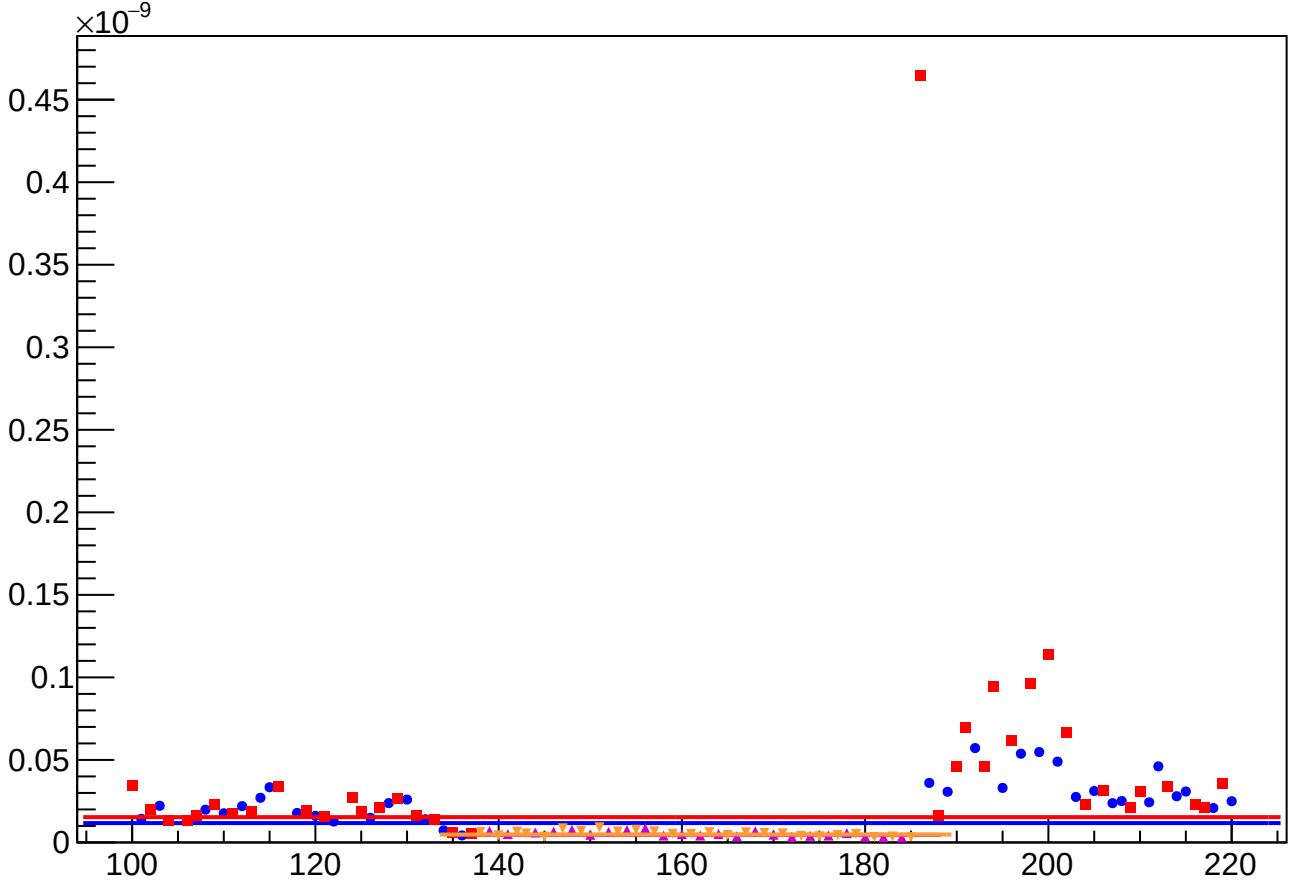
Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/36

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.6/57

All: -0.000+/-0.000 χ^2/NDF: 127.6/117

- sign -0.000+/-0.000 χ^2/NDF: 57.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 11973259.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10320674.9/36

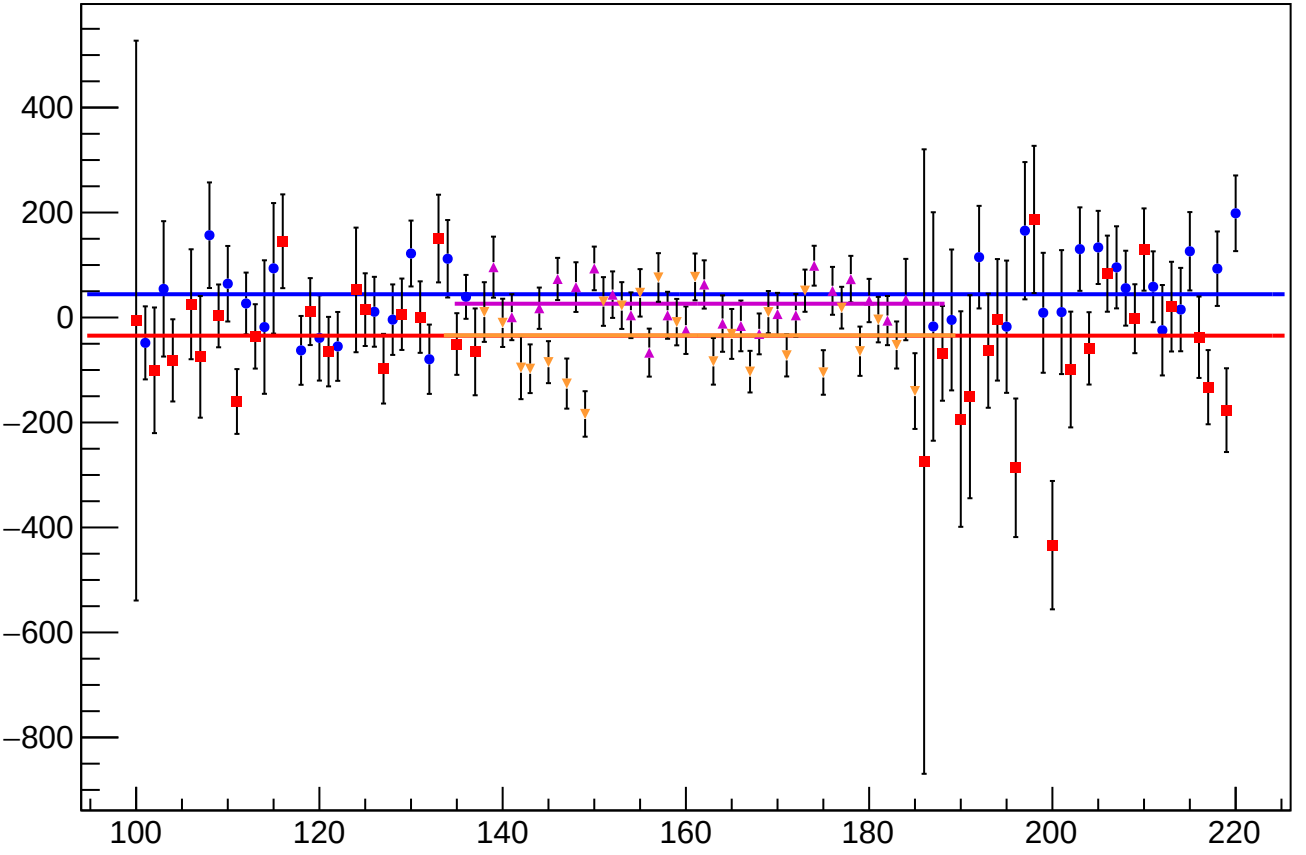
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 19289842.7/57

All: 0.000+/-0.000 χ^2/NDF: 40290410.8/117

- sign 0.000+/-0.000 χ^2/NDF: 20993198.8/59

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 44.345+/-13.441 χ^2/NDF: 28.6/32

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -34.568+/-13.639 χ^2/NDF: 49.6/36

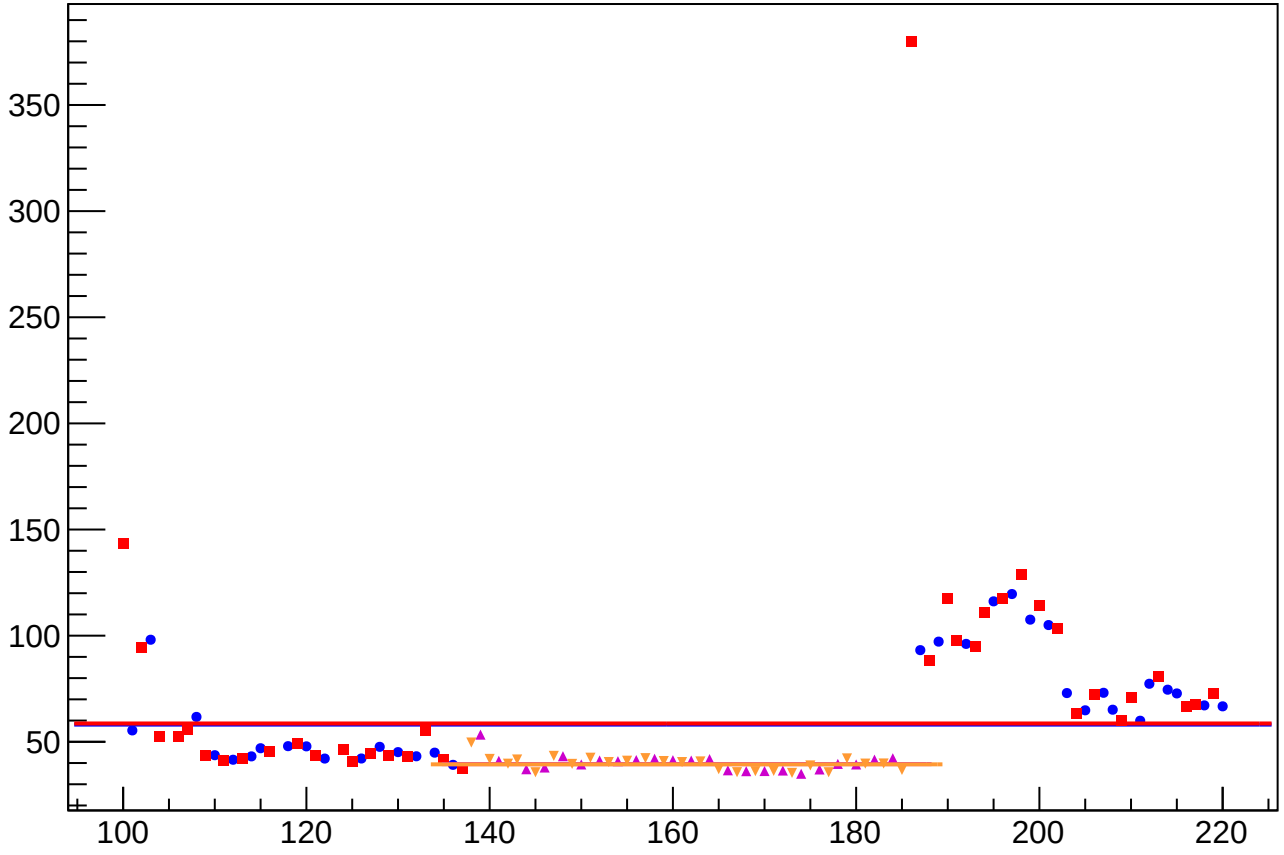
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -9.742+/-7.475 χ^2/NDF: 110.8/57

All: -1.565+/-5.352 χ^2/NDF: 198.9/117

- sign 7.040+/-7.668 χ^2/NDF: 85.6/59

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 58.104+/-0.010 χ^2/NDF: 4093767.1/32

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 58.632+/-0.010 χ^2/NDF: 5322235.3/36

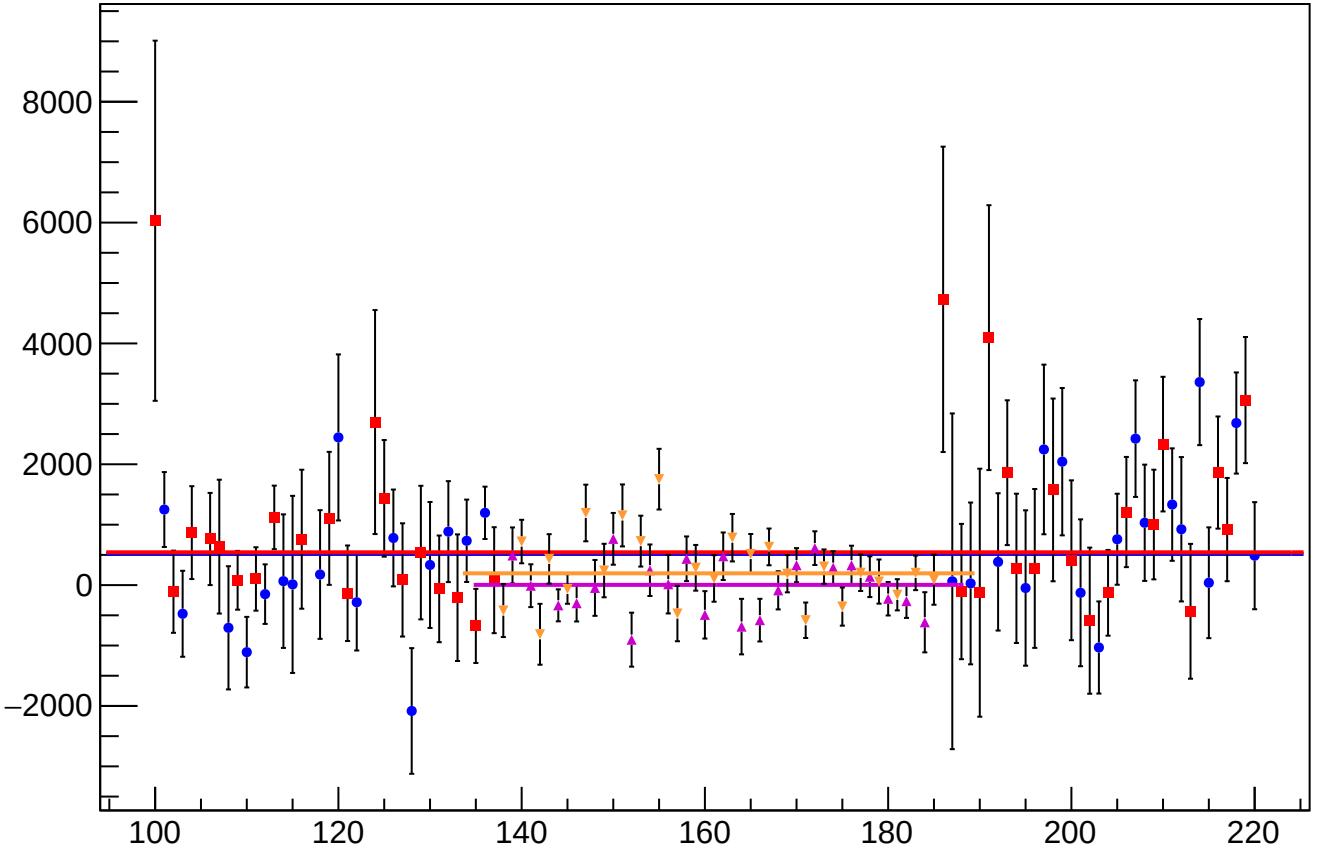
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 45.172+/-0.005 χ^2/NDF: 7002568.3/57

All: 45.351+/-0.004 χ^2/NDF: 15273129.1/117

- sign 45.540+/-0.005 χ^2/NDF: 8268191.6/59

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 515.768+/-148.450 χ^2/NDF: 54.3/32

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

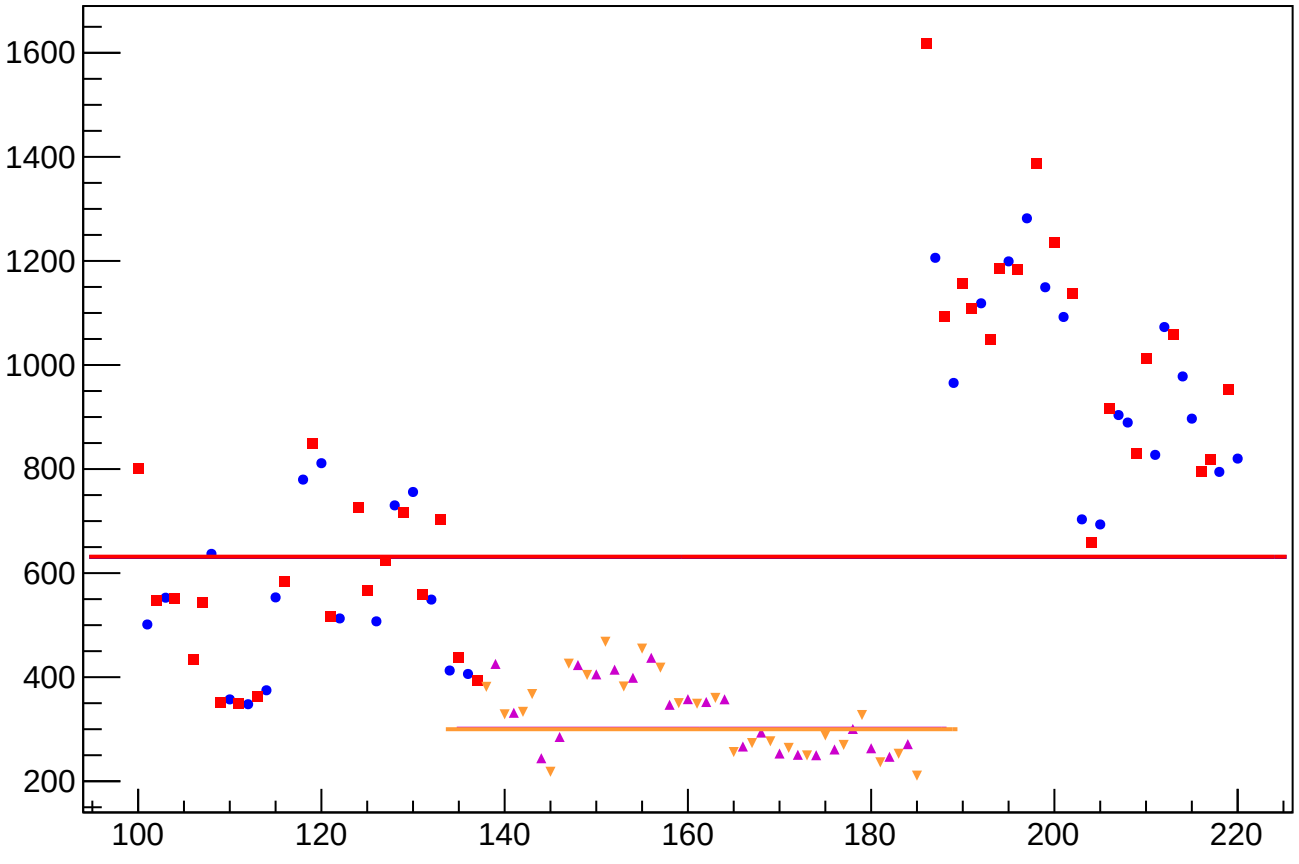
Right Out: 543.055+/-148.885 χ^2/NDF: 37.6/36

Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 253.499+/-63.383 χ^2/NDF: 106.7/57

All: 181.454+/-45.313 χ^2/NDF: 190.0/117

- sign 106.140+/-64.805 χ^2/NDF: 80.6/59



Right In: 631.008+/-0.105 χ^2/NDF: 5601144.4/32

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 631.584+/-0.105 χ^2/NDF: 6788872.5/36

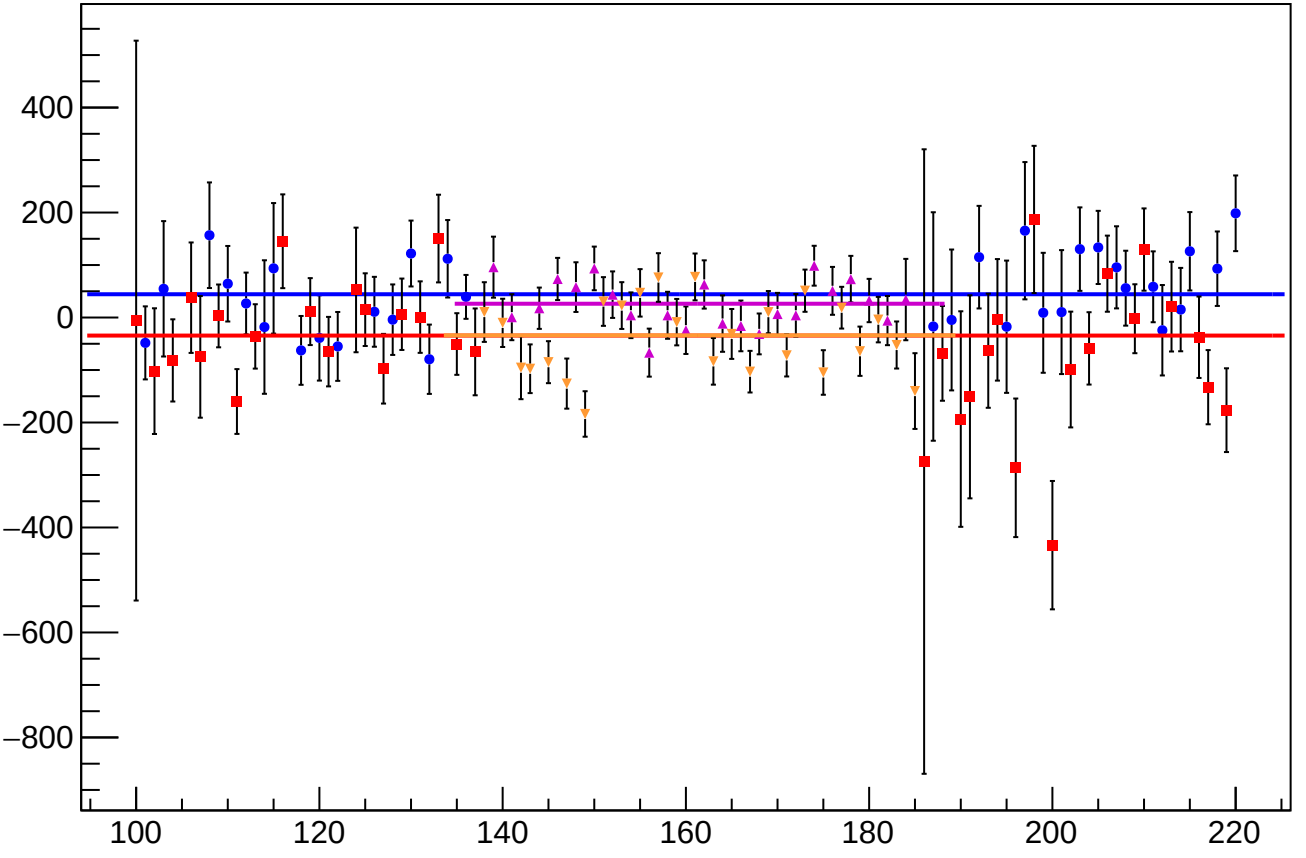
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 360.323+/-0.045 χ^2/NDF: 15541715.5/57

All: 361.940+/-0.032 χ^2/NDF: 31732706.1/11

- sign 363.631+/-0.046 χ^2/NDF: 16188326.6/59

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 44.349+/-13.441 χ^2/NDF: 28.6/32

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -34.386+/-13.640 χ^2/NDF: 49.7/36

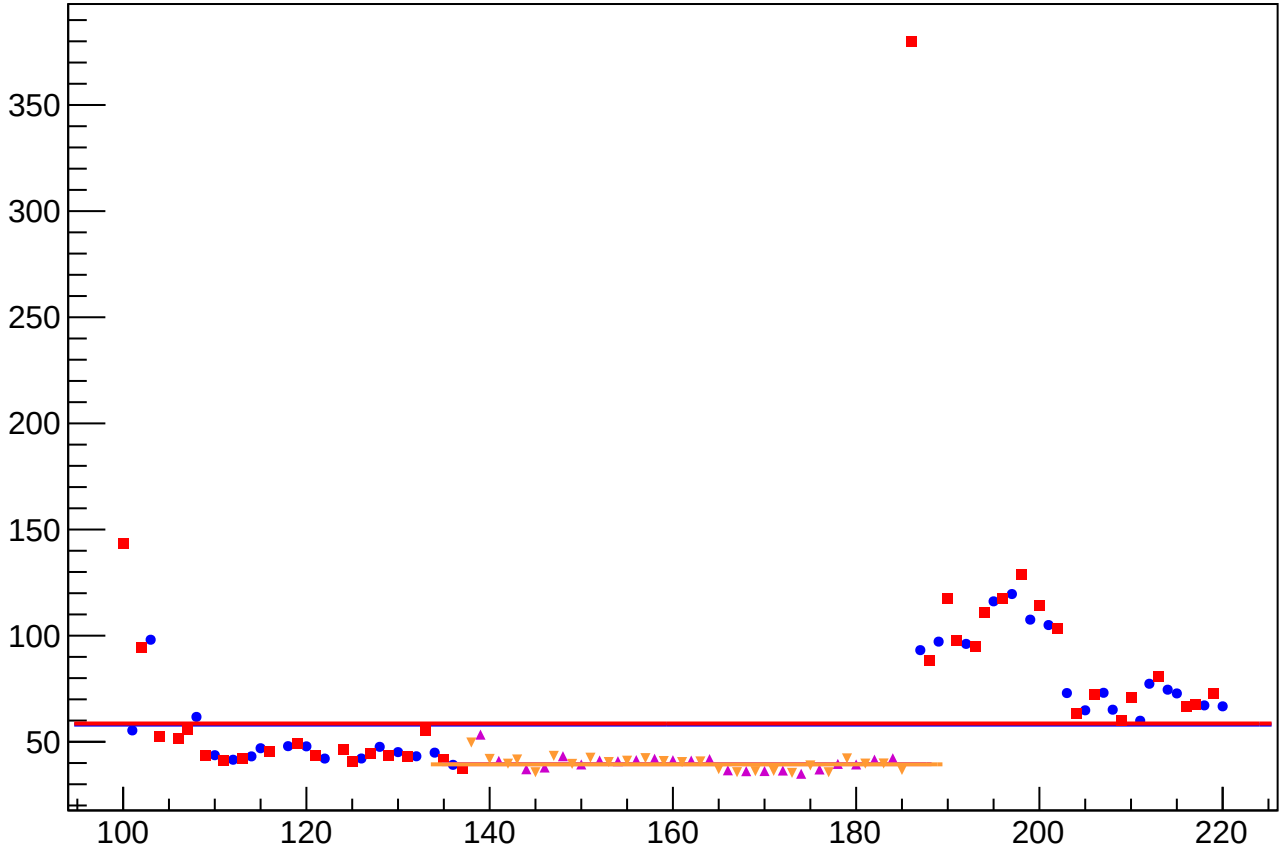
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -9.741+/-7.475 χ^2/NDF: 110.8/57

All: -1.535+/-5.352 χ^2/NDF: 199.0/117

- sign 7.100+/-7.668 χ^2/NDF: 85.7/59

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 58.104+/-0.010 χ^2/NDF: 4093770.2/32

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 58.619+/-0.010 χ^2/NDF: 5324327.0/36

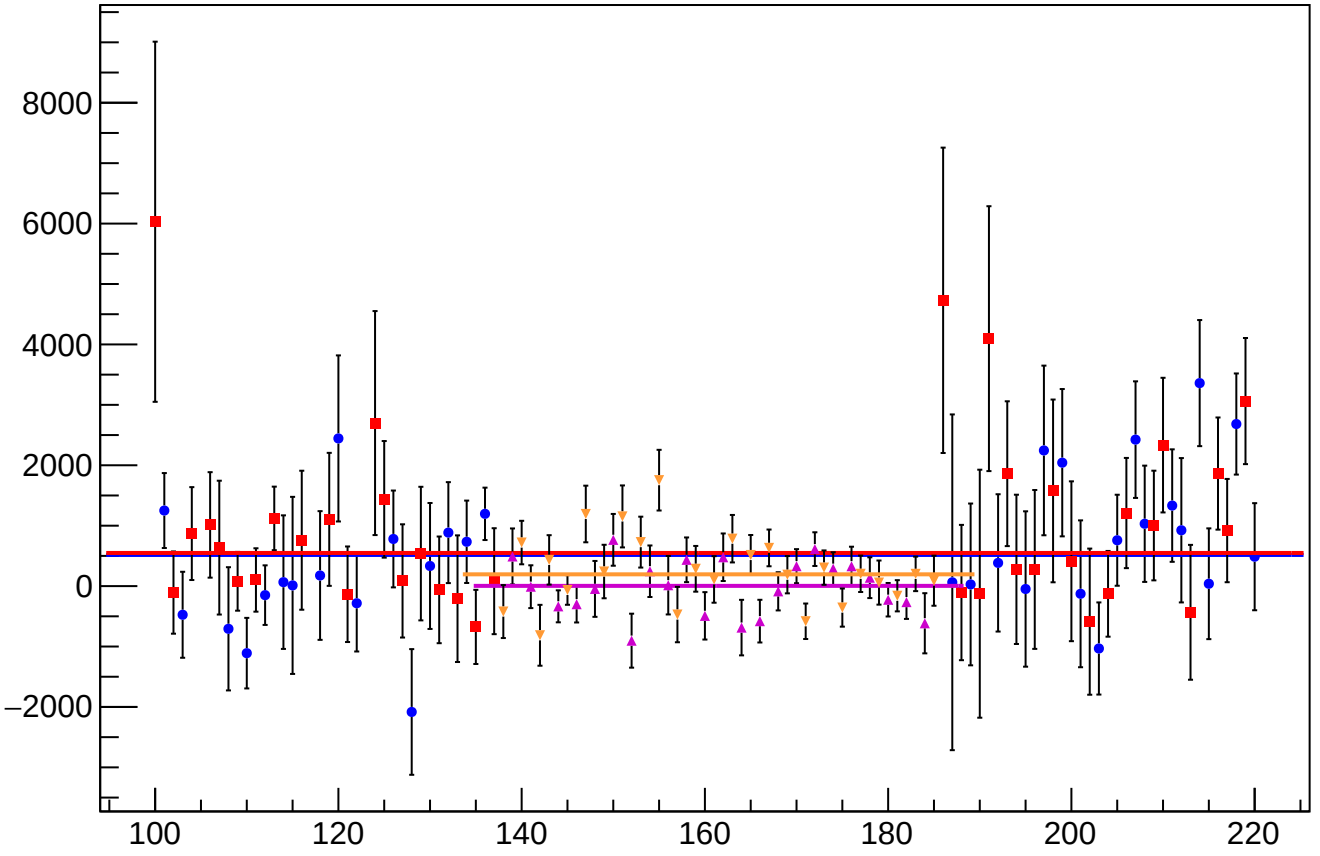
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 45.172+/-0.005 χ^2/NDF: 7002571.3/57

All: 45.349+/-0.004 χ^2/NDF: 15271290.7/117

- sign 45.536+/-0.005 χ^2/NDF: 8266410.2/59

asym_sam_15_37_dd_cor_correction_mean vs Slug



Right In: 515.773+/-148.450 χ^2/NDF: 54.3/32

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

Right Out: 548.571+/-149.566 χ^2/NDF: 37.8/36

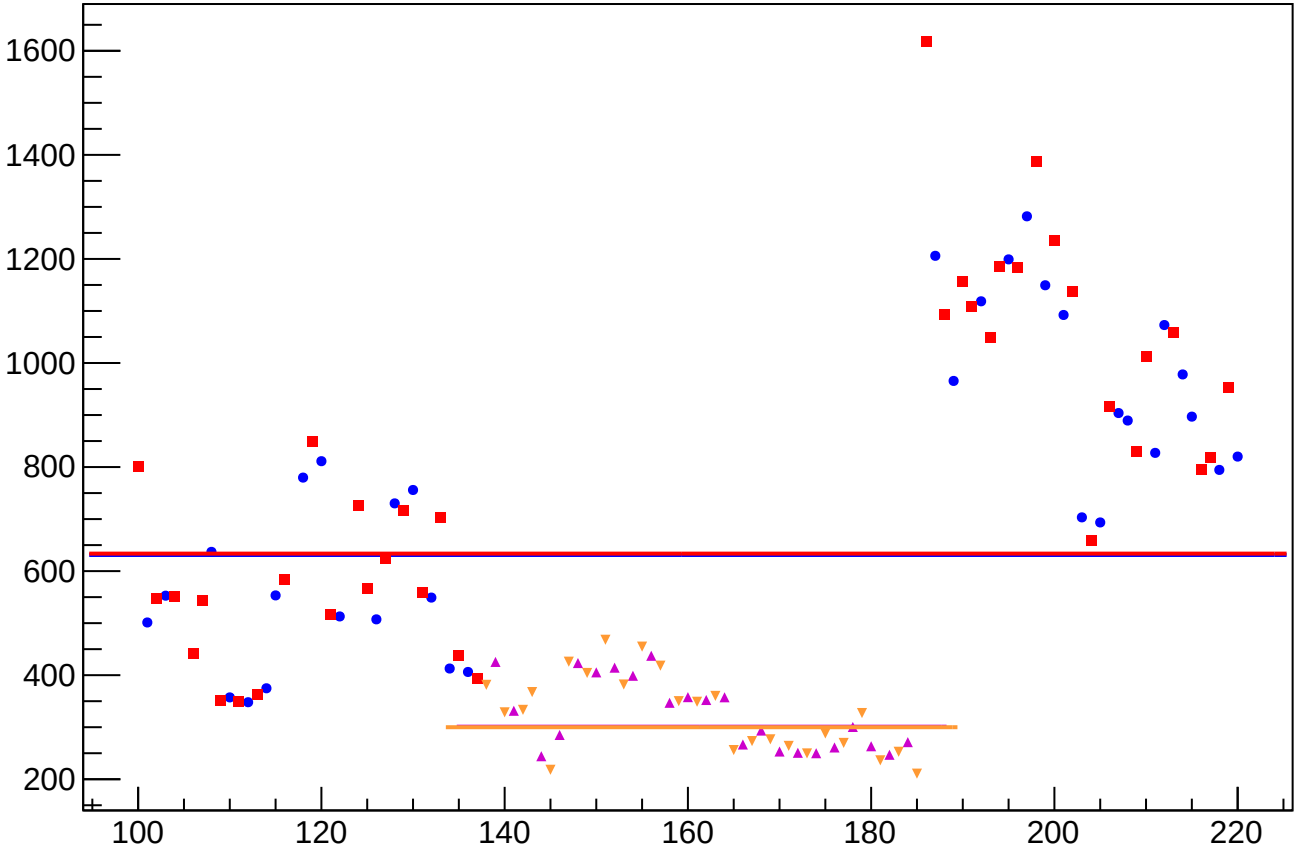
Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 253.499+/-63.383 χ^2/NDF: 106.7/57

All: 181.656+/-45.332 χ^2/NDF: 190.3/117

- sign 106.424+/-64.860 χ^2/NDF: 80.9/59

asym_sam_15_37_dd_cor_correction_rms vs Slug



Right In: 631.010+/-0.105 χ^2/NDF: 5601117.6/32

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 633.619+/-0.106 χ^2/NDF: 6749042.6/36

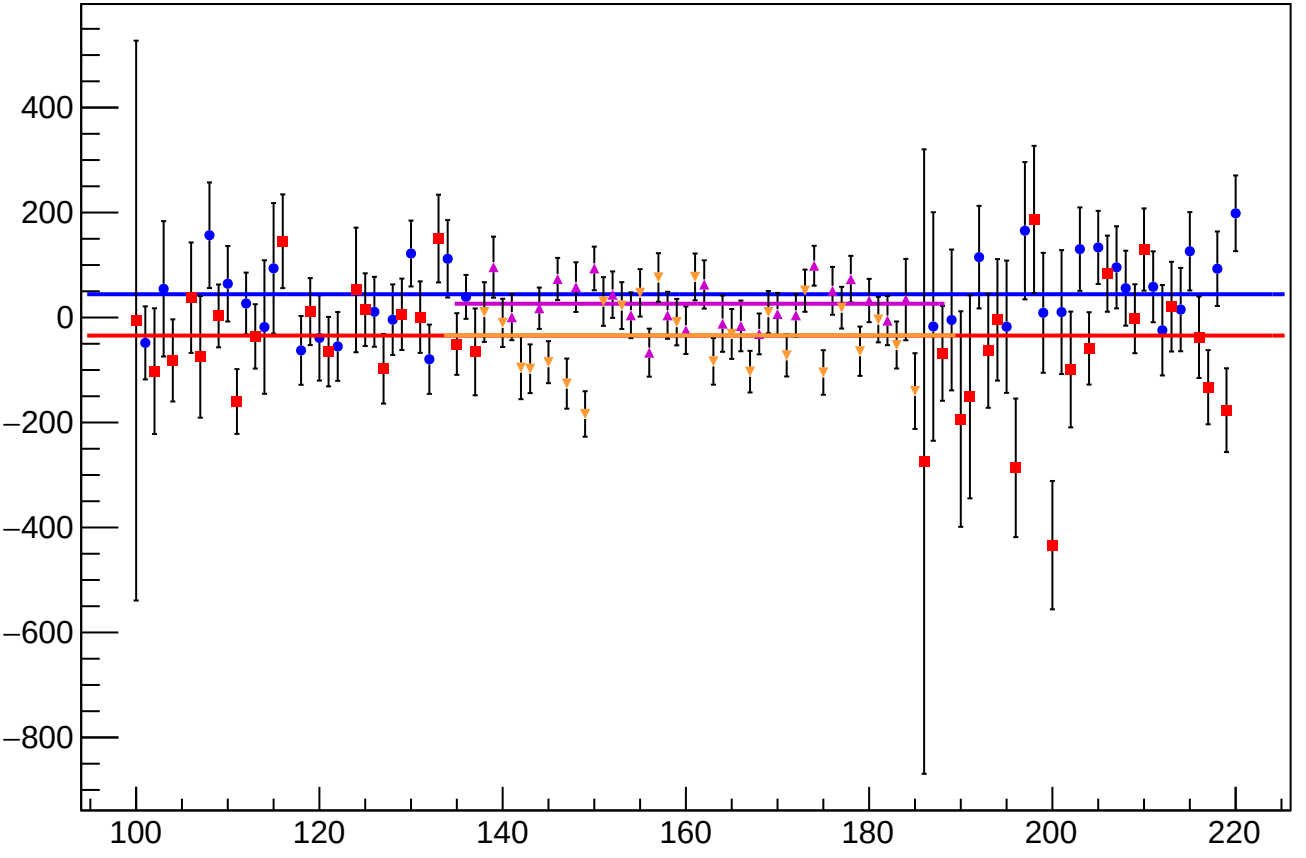
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 360.323+/-0.045 χ^2/NDF: 15541752.8/57

All: 361.900+/-0.032 χ^2/NDF: 31731842.1/11

- sign 363.552+/-0.046 χ^2/NDF: 16187553.8/59

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 44.349+/-13.441 χ^2/NDF: 28.6/32

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -34.386+/-13.640 χ^2/NDF: 49.7/36

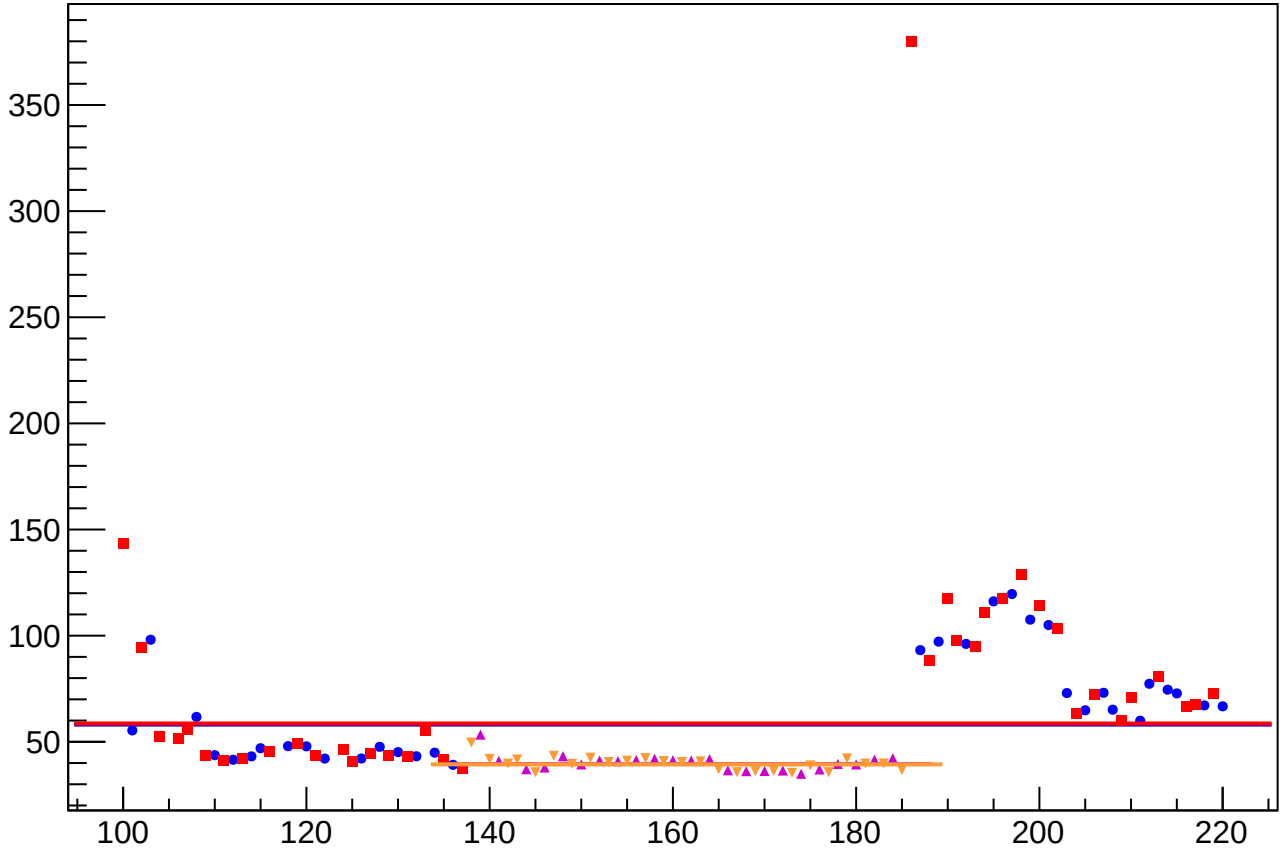
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -9.741+/-7.475 χ^2/NDF: 110.8/57

All: -1.535+/-5.352 χ^2/NDF: 199.0/117

- sign 7.100+/-7.668 χ^2/NDF: 85.7/59

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 58.104+/-0.010 χ^2/NDF: 4093770.2/32

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 58.619+/-0.010 χ^2/NDF: 5324327.0/36

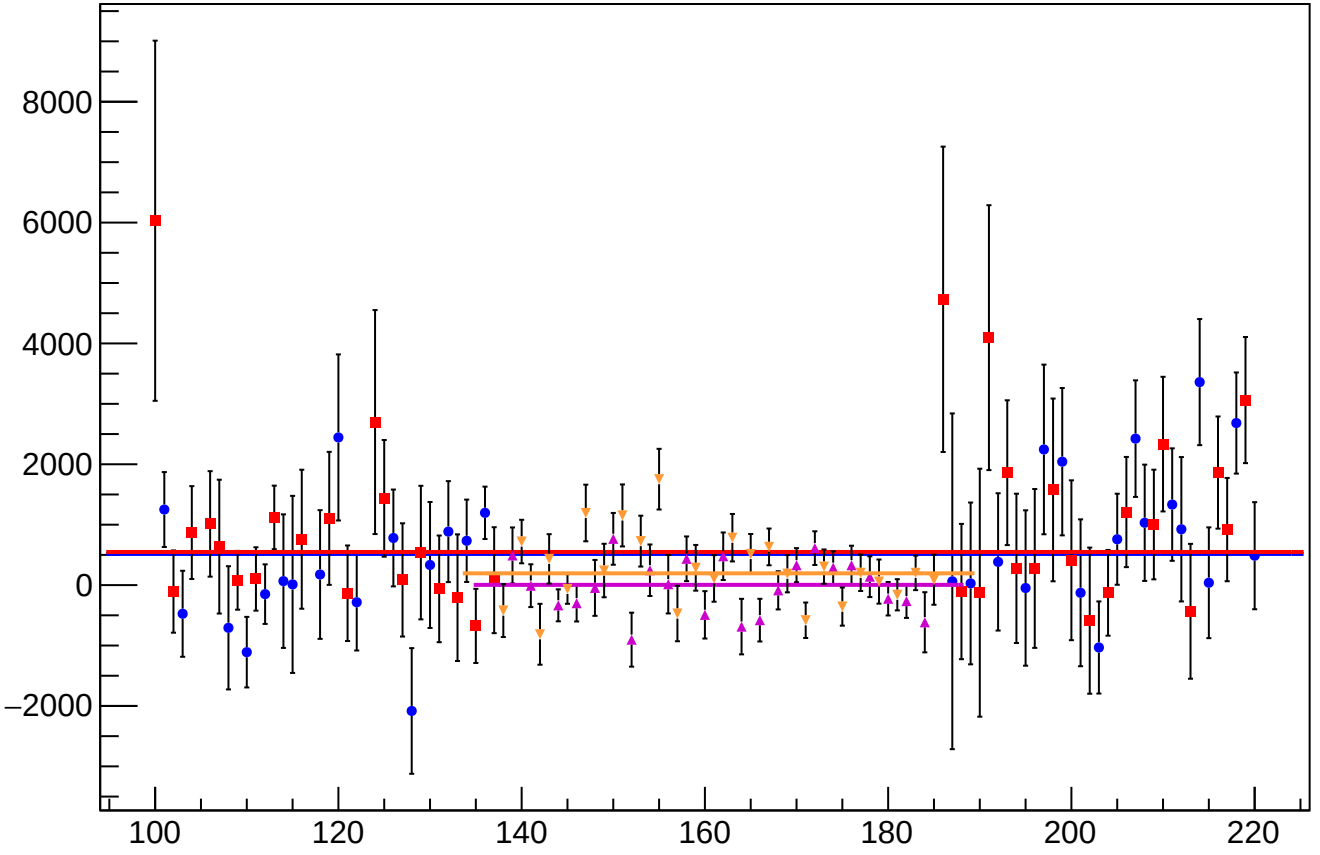
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 45.172+/-0.005 χ^2/NDF: 7002571.3/57

All: 45.349+/-0.004 χ^2/NDF: 15271290.7/117

- sign 45.536+/-0.005 χ^2/NDF: 8266410.2/59

asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug



Right In: 515.773+/-148.450 χ^2/NDF: 54.3/32

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

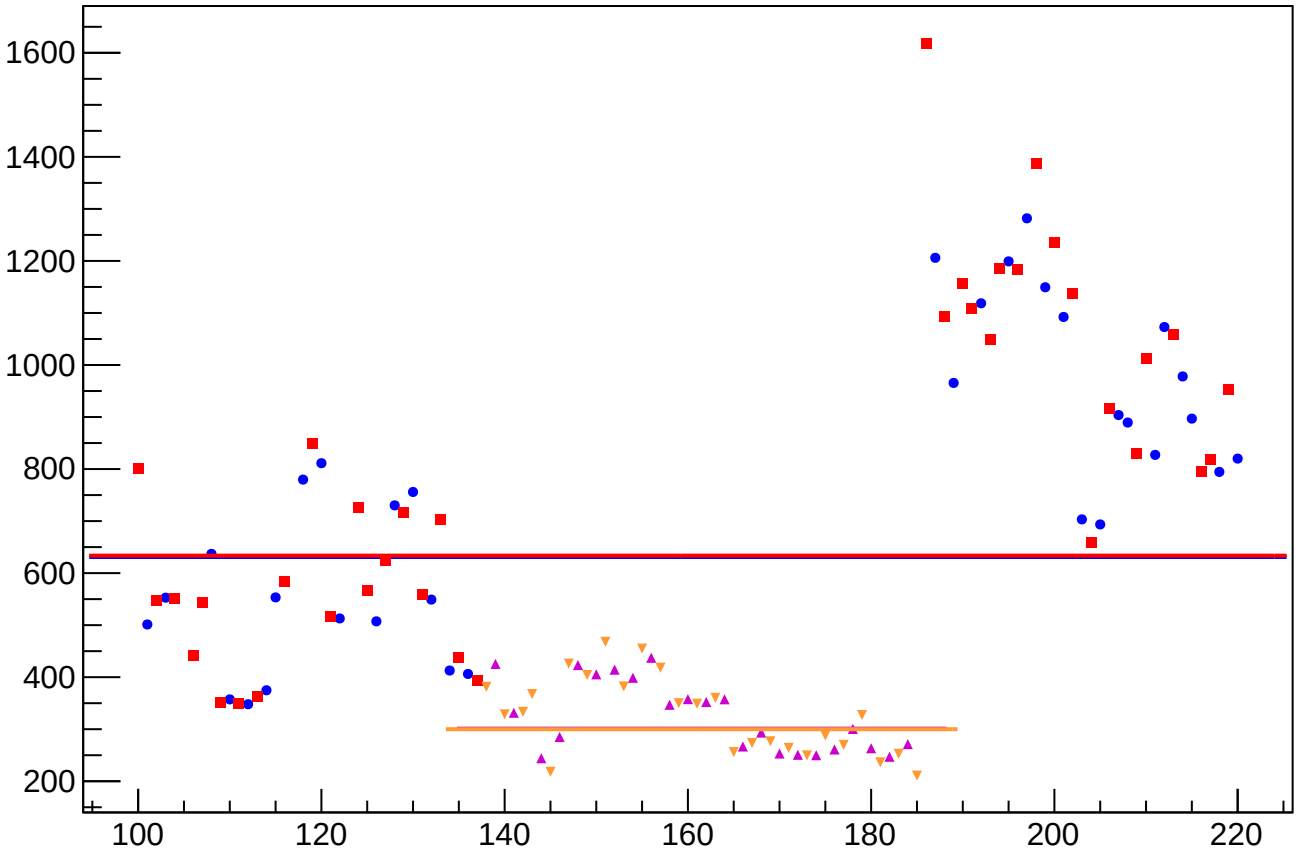
Right Out: 548.571+/-149.566 χ^2/NDF: 37.8/36

Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 253.499+/-63.383 χ^2/NDF: 106.7/57

All: 181.656+/-45.332 χ^2/NDF: 190.3/117

- sign 106.424+/-64.860 χ^2/NDF: 80.9/59



Right In: 631.010+/-0.105 χ^2/NDF: 5601117.6/32

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 633.619+/-0.106 χ^2/NDF: 6749042.6/36

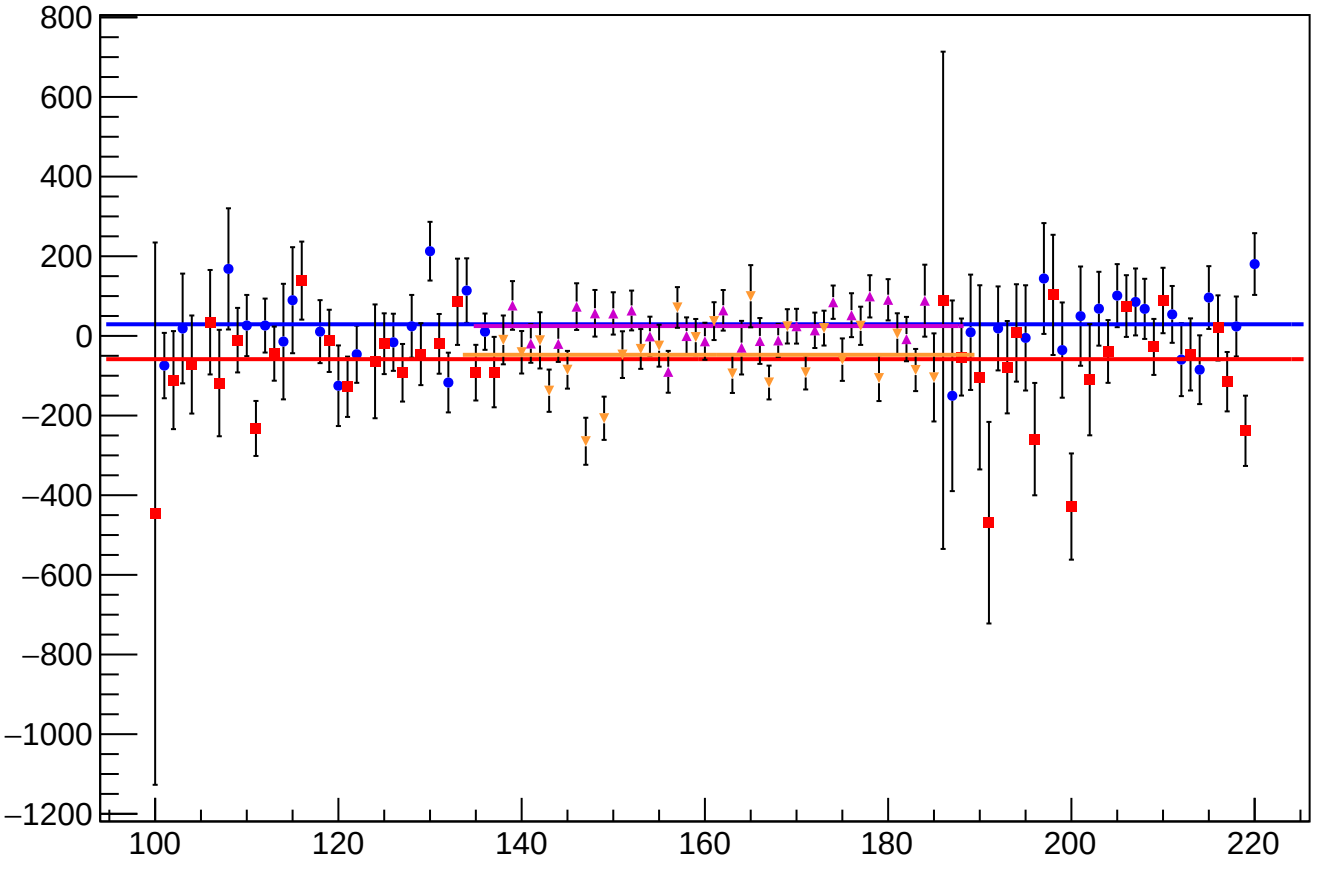
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 360.323+/-0.045 χ^2/NDF: 15541752.8/57

All: 361.900+/-0.032 χ^2/NDF: 31731842.1/11

- sign 363.552+/-0.046 χ^2/NDF: 16187553.8/59

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 29.195+/-14.936 χ^2/NDF: 28.6/32

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -58.420+/-15.454 χ^2/NDF: 42.3/36

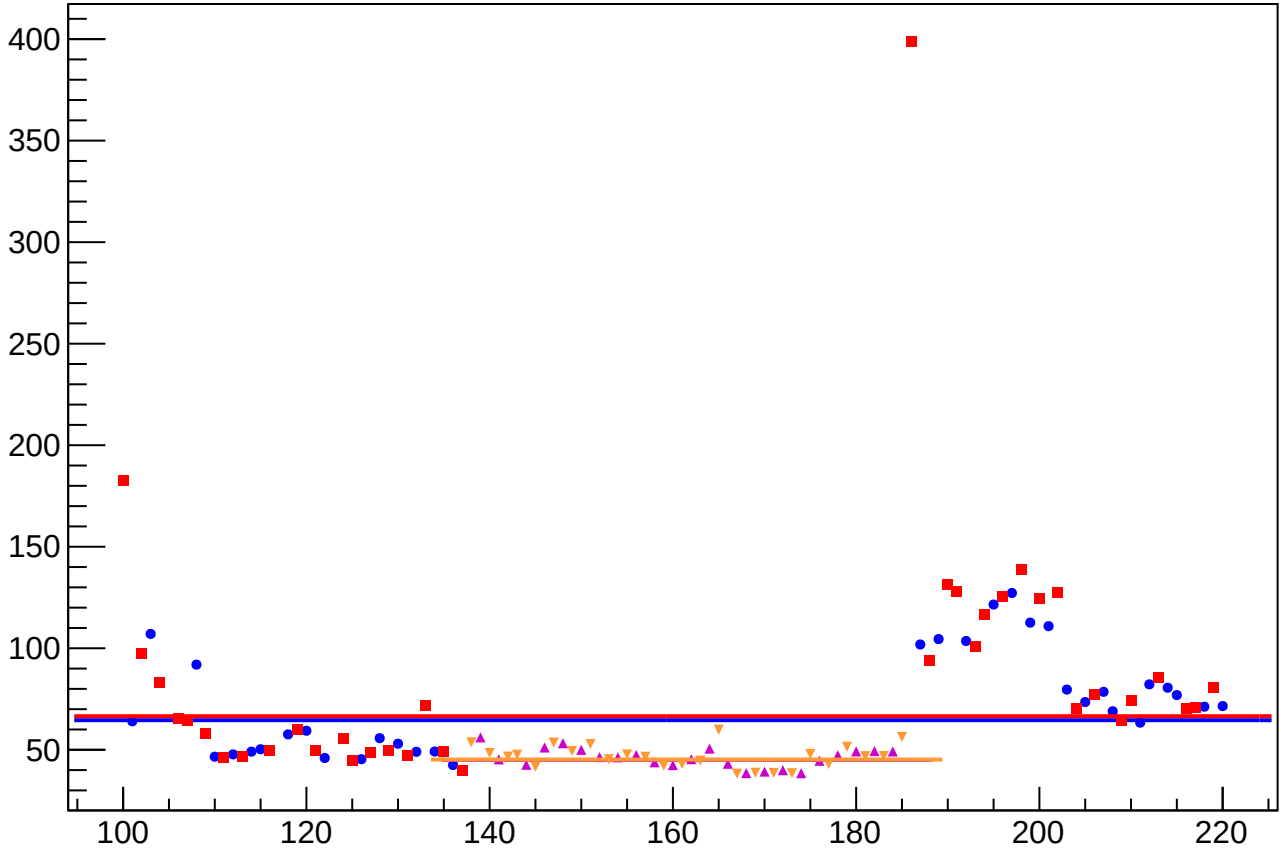
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -22.468+/-8.530 χ^2/NDF: 101.0/57

All: -12.575+/-6.116 χ^2/NDF: 185.4/117

- sign -2.106+/-8.775 χ^2/NDF: 81.5/59

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 64.574+/-0.011 χ^2/NDF: 3749429.5/32

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 66.535+/-0.011 χ^2/NDF: 4895241.5/36

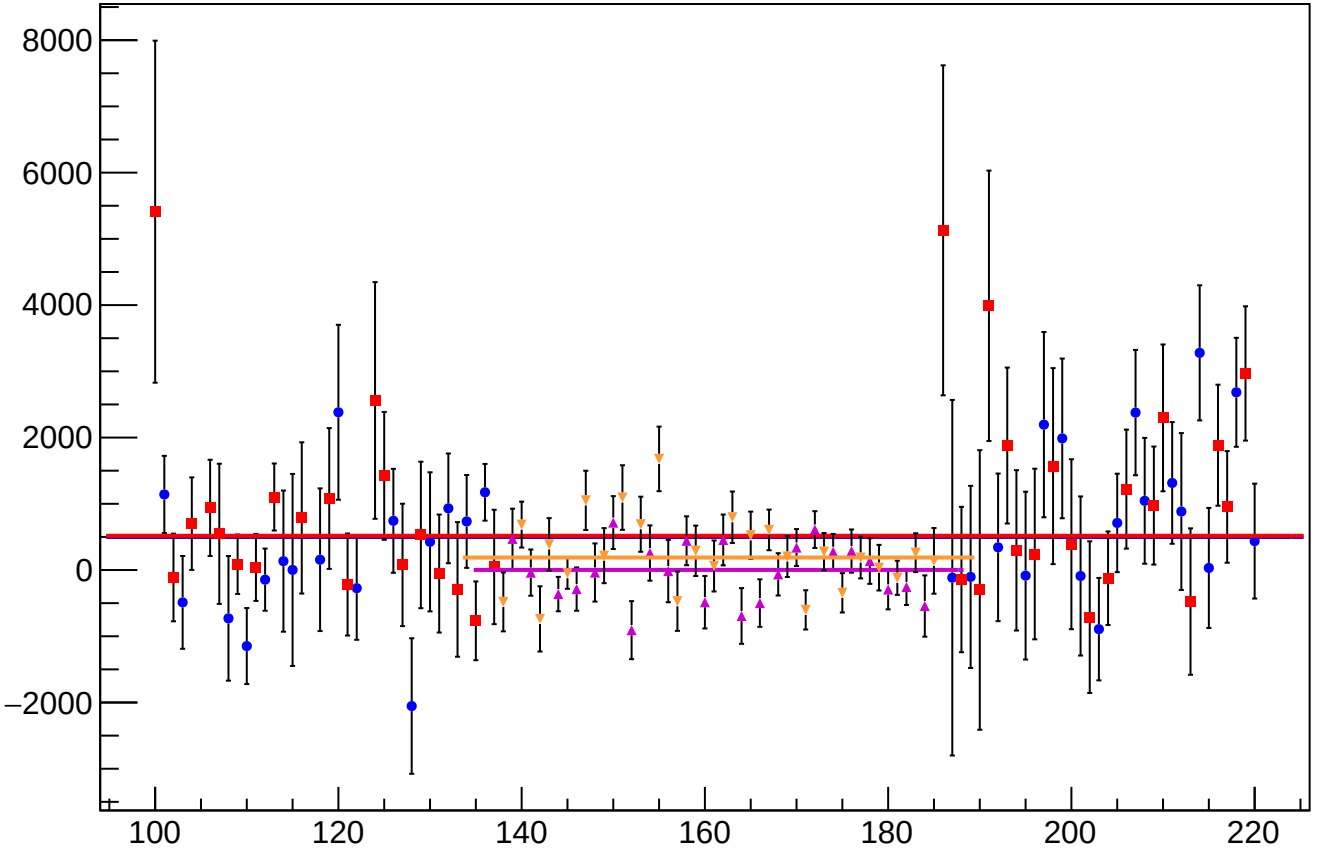
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 51.503+/-0.006 χ^2/NDF: 6512603.4/57

All: 51.722+/-0.004 χ^2/NDF: 14410617.4/117

- sign 51.955+/-0.006 χ^2/NDF: 7895288.9/59

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 499.870+/-145.637 χ^2/NDF: 54.5/32

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 517.048+/-144.080 χ^2/NDF: 41.1/36

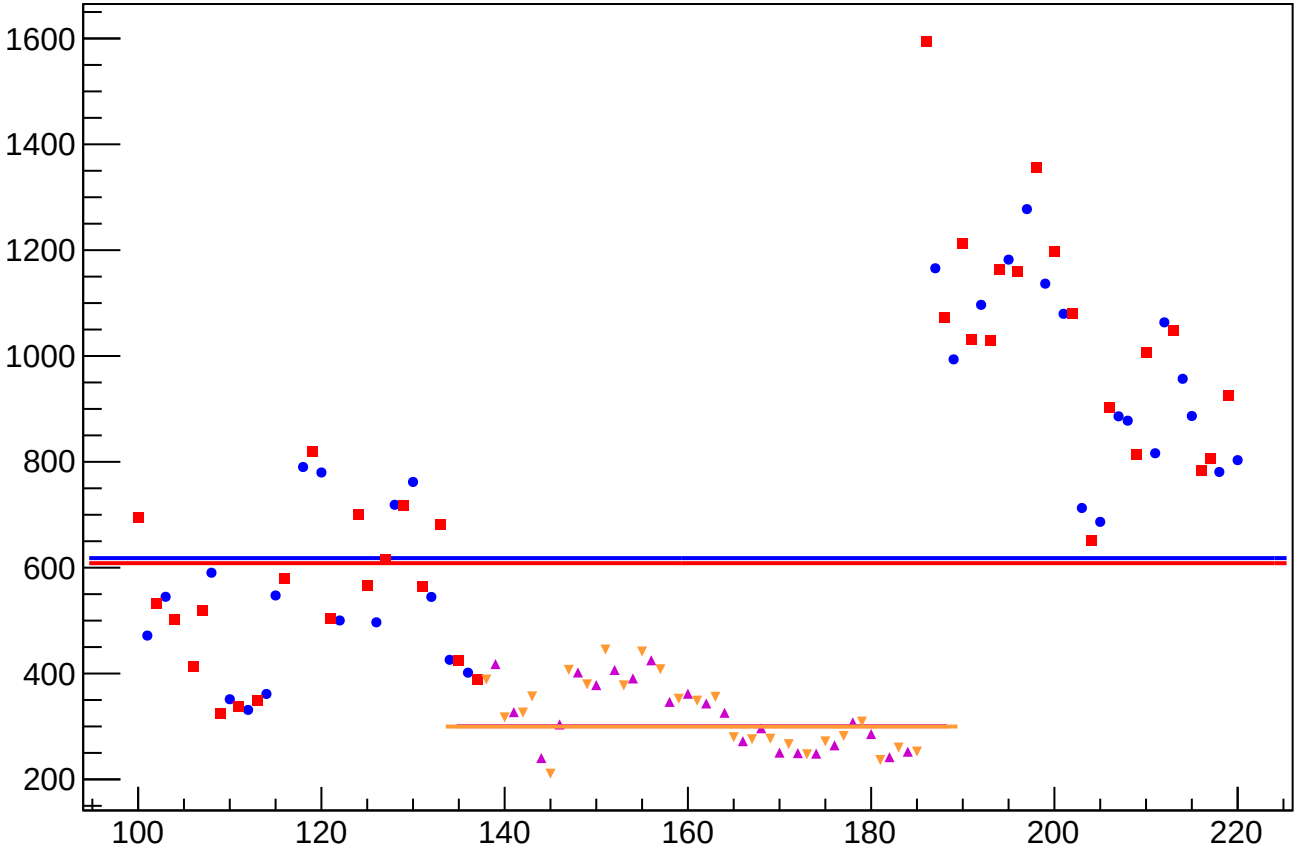
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 246.800+/-62.881 χ^2/NDF: 105.0/57

All: 176.874+/-44.923 χ^2/NDF: 191.1/117

- sign 103.983+/-64.200 χ^2/NDF: 83.6/59

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 618.117+/-0.103 χ^2/NDF: 5765799.4/32

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 608.525+/-0.102 χ^2/NDF: 7131841.3/36

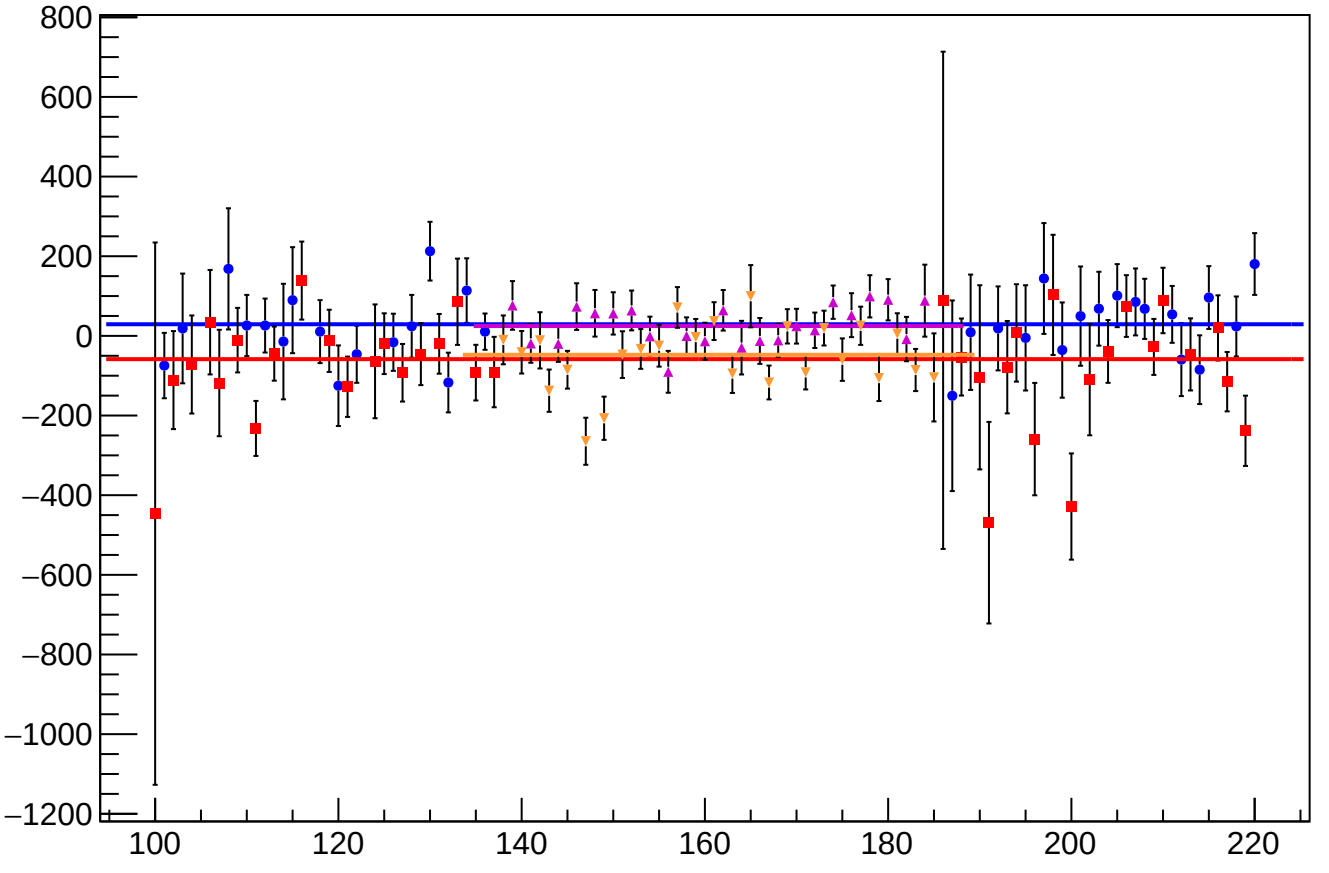
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

\+ sign 359.140+/-0.044 χ^2/NDF: 15116662.1/57

All: 360.389+/-0.032 χ^2/NDF: 30833400.9/11

\- sign 361.692+/-0.045 χ^2/NDF: 15715125.1/59

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 29.194+/-14.936 χ^2/NDF: 28.6/32

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -58.421+/-15.454 χ^2/NDF: 42.3/36

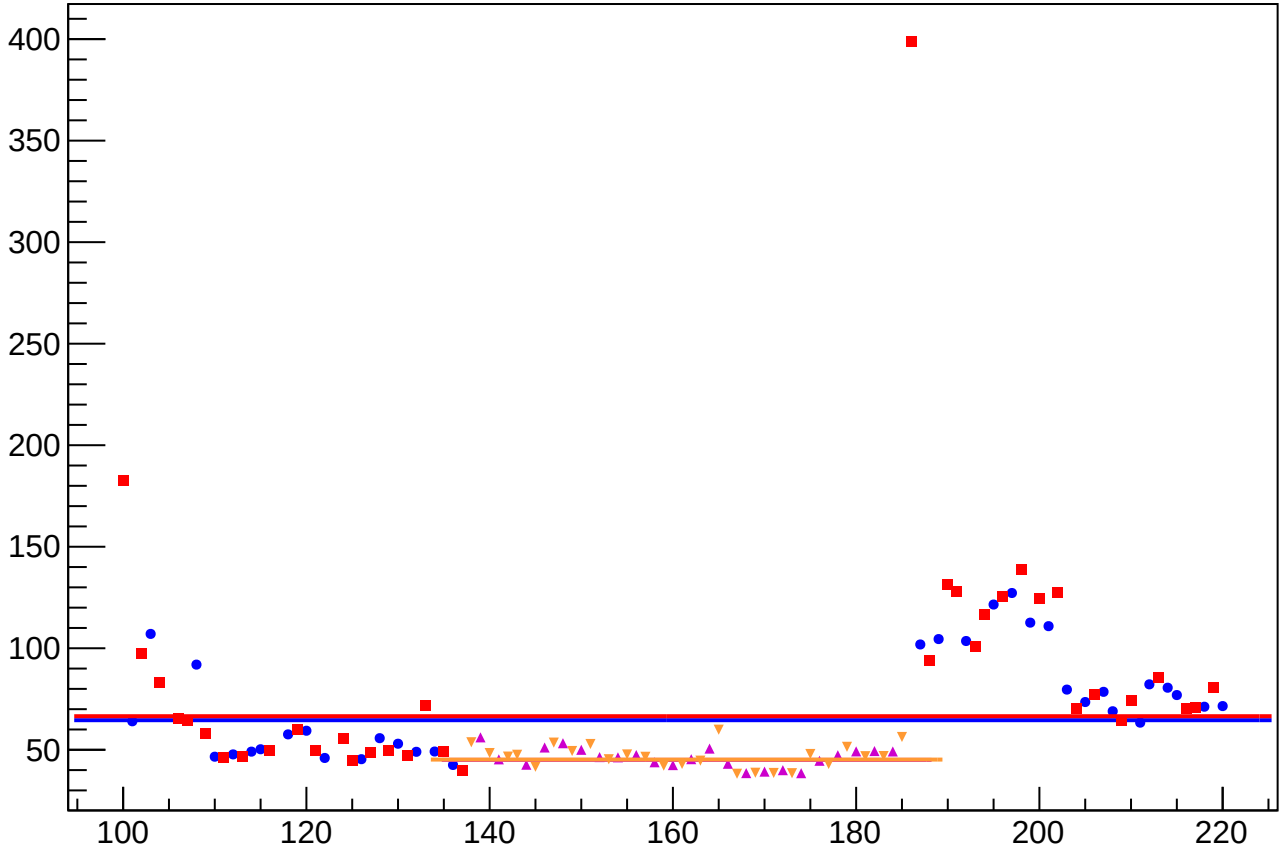
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -22.469+/-8.530 χ^2/NDF: 101.0/57

All: -12.575+/-6.116 χ^2/NDF: 185.4/117

- sign -2.106+/-8.775 χ^2/NDF: 81.5/59

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 64.574+/-0.011 χ^2/NDF: 3749432.4/32

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

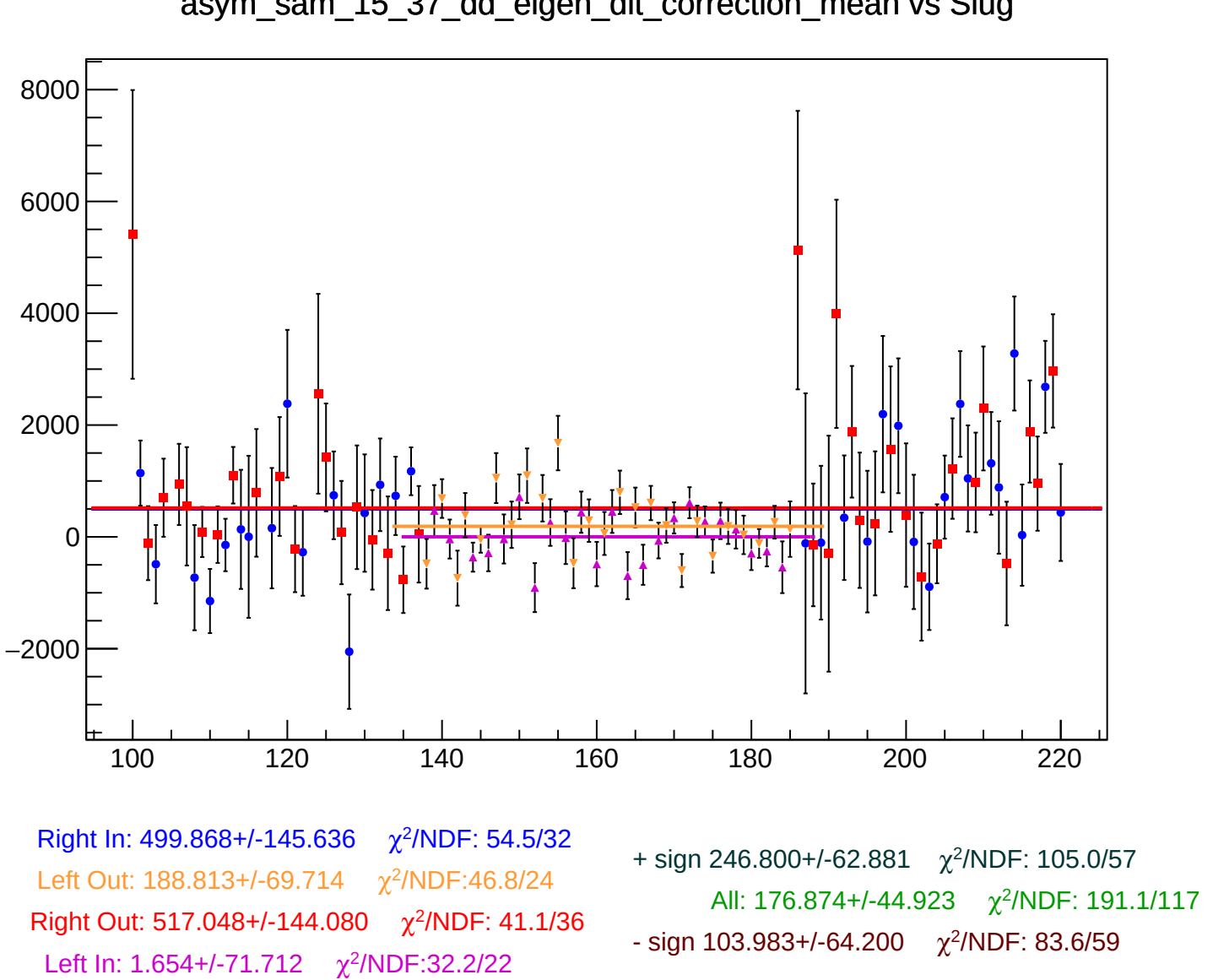
Right Out: 66.535+/-0.011 χ^2/NDF: 4895242.7/36

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

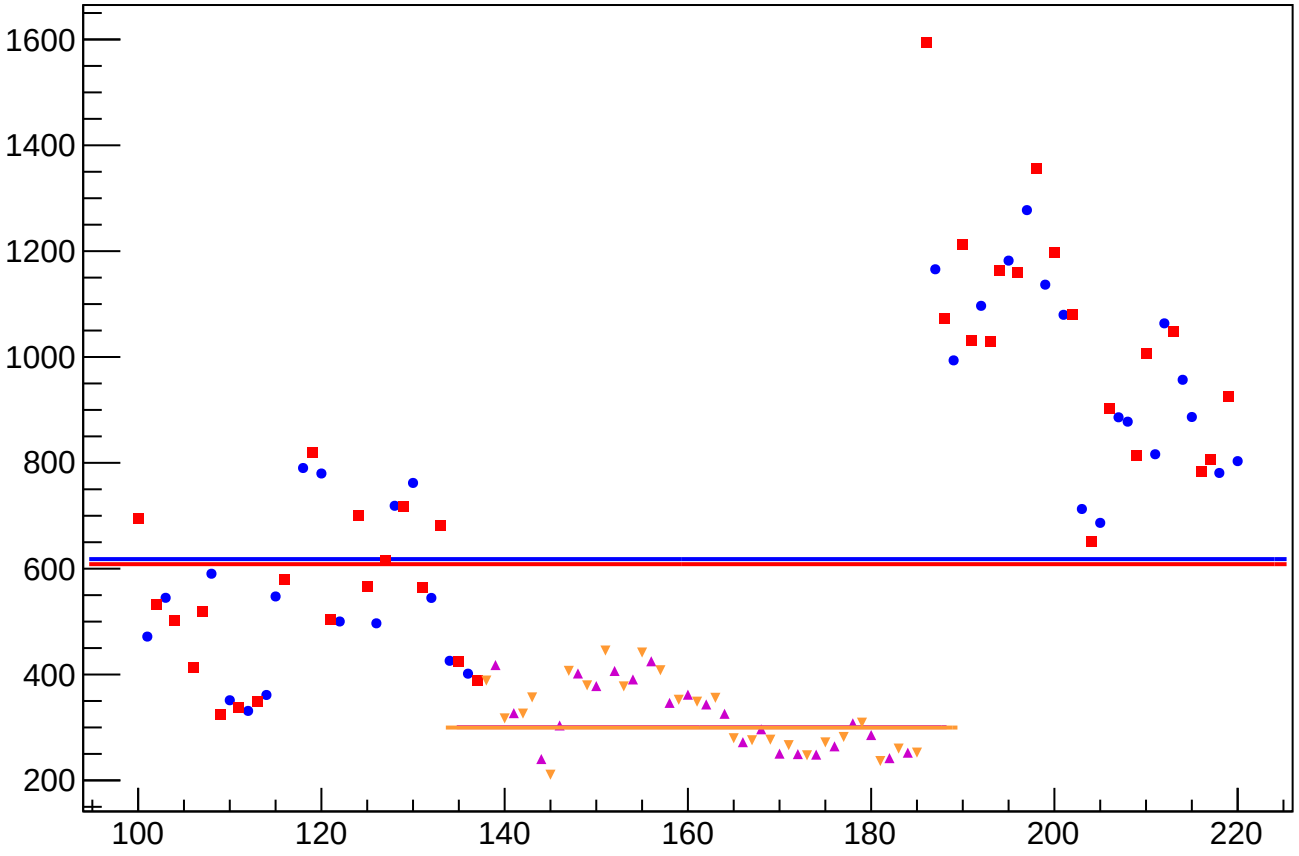
+ sign 51.503+/-0.006 χ^2/NDF: 6512604.0/57

All: 51.722+/-0.004 χ^2/NDF: 14410616.2/117

- sign 51.955+/-0.006 χ^2/NDF: 7895286.6/59


asym_sam_15_37_dd_eigen_dit_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
220
Right In: 499.868+/-145.636 χ²/NDF: 54.5/32
Left Out: 188.813+/-69.714 χ²/NDF:46.8/24
Right Out: 517.048+/-144.080 χ²/NDF: 41.1/36
Left In: 1.654+/-71.712 χ²/NDF:32.2/22
+ sign 246.800+/-62.881 χ²/NDF: 105.0/57
All: 176.874+/-44.923 χ²/NDF: 191.1/117
- sign 103.983+/-64.200 χ²/NDF: 83.6/59

asym_sam_15_37_dd_eigen_dit_correction_rms vs Slug



Right In: 618.116+/-0.103 χ^2/NDF: 5765822.9/32

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

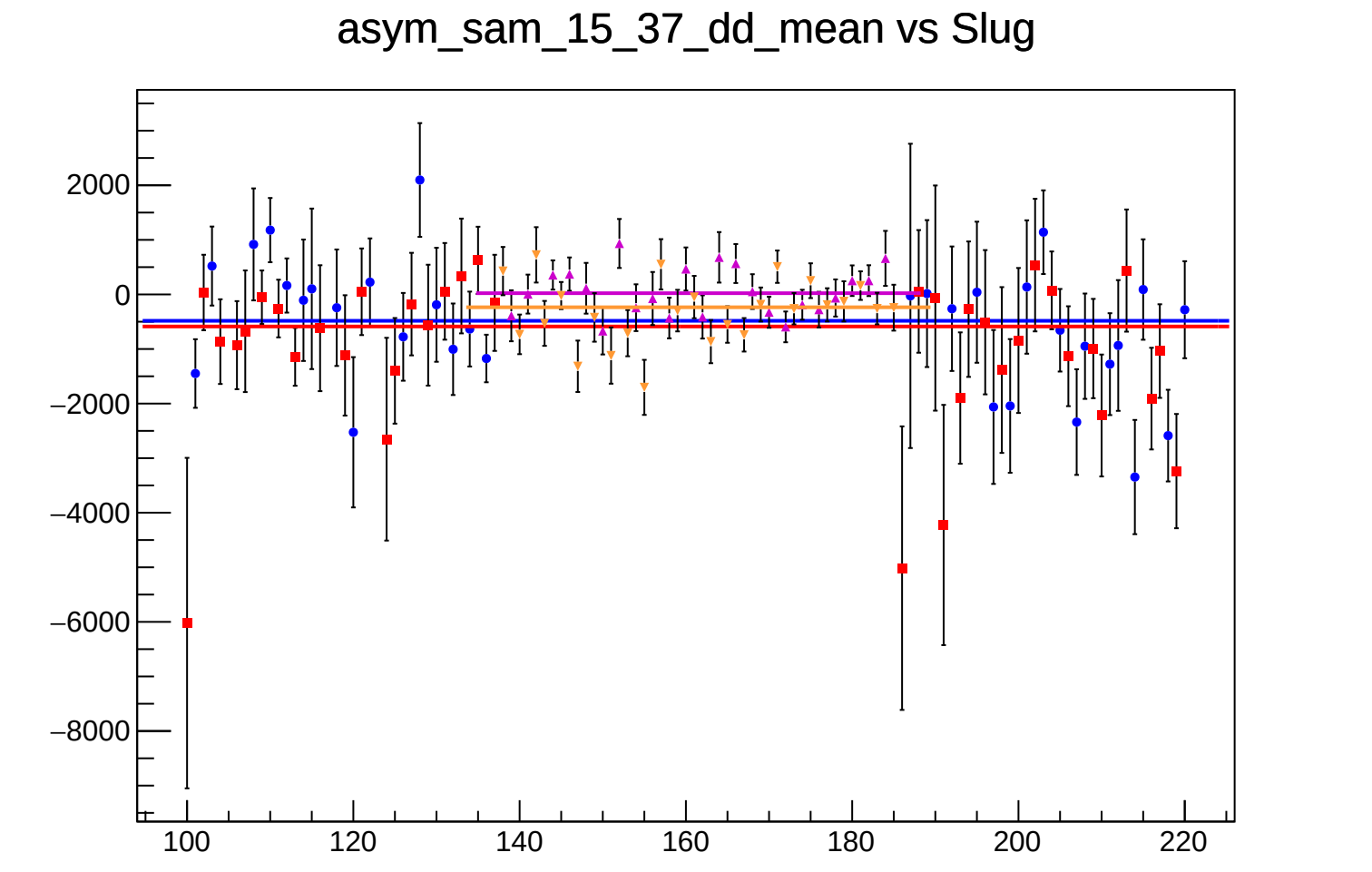
Right Out: 608.524+/-0.102 χ^2/NDF: 7131858.8/36

Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 359.140+/-0.044 χ^2/NDF: 15116649.4/57

All: 360.390+/-0.032 χ^2/NDF: 30833351.8/11

- sign 361.693+/-0.045 χ^2/NDF: 15715088.4/59



Right In: -483.188+/-149.306 χ^2/NDF: 55.4/32

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -587.327+/-150.019 χ^2/NDF: 37.0/36

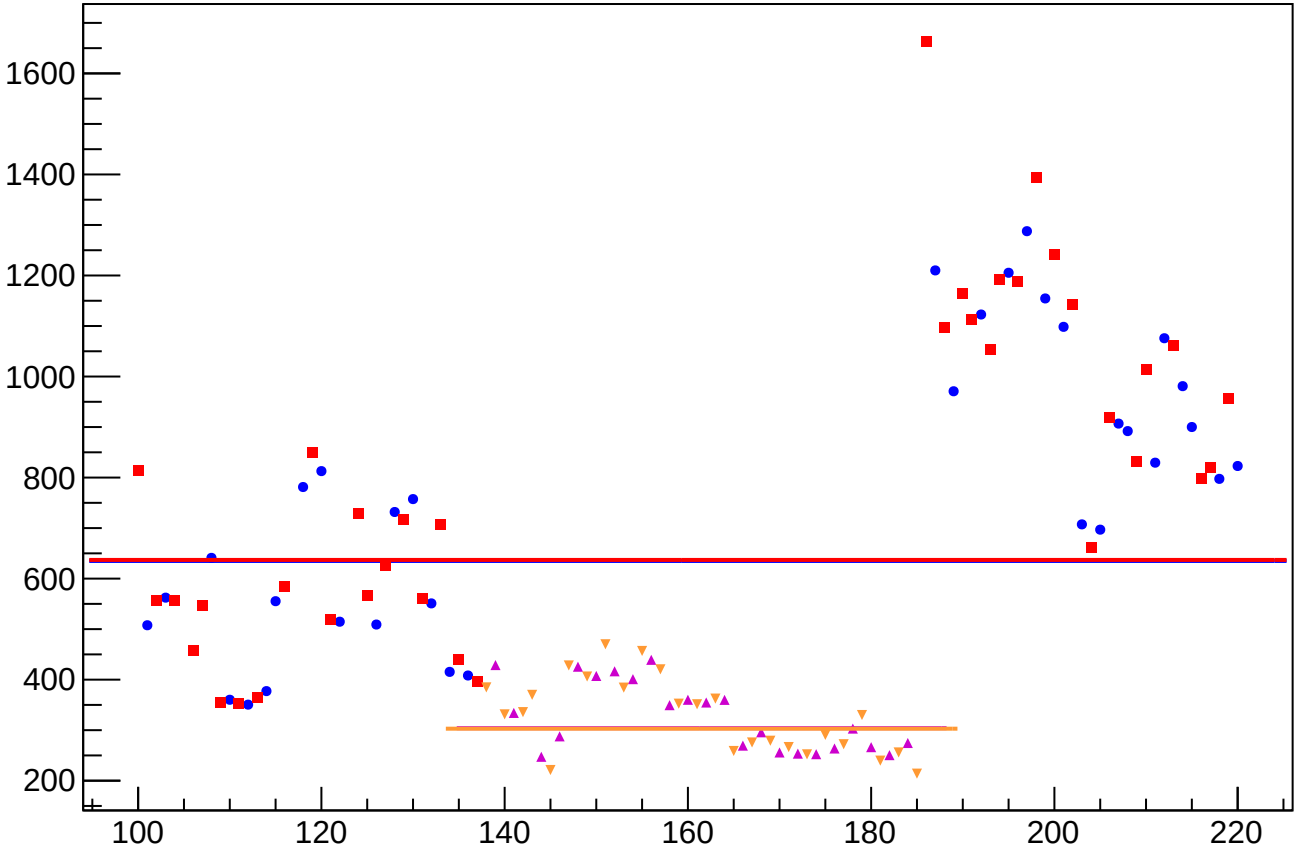
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -280.638+/-63.929 χ^2/NDF: 105.1/57

All: -189.022+/-45.709 χ^2/NDF: 189.5/117

- sign -93.196+/-65.381 χ^2/NDF: 80.2/59

asym_sam_15_37_dd_rms vs Slug



Right In: 634.990+/-0.106 χ^2/NDF: 5562227.3/32

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

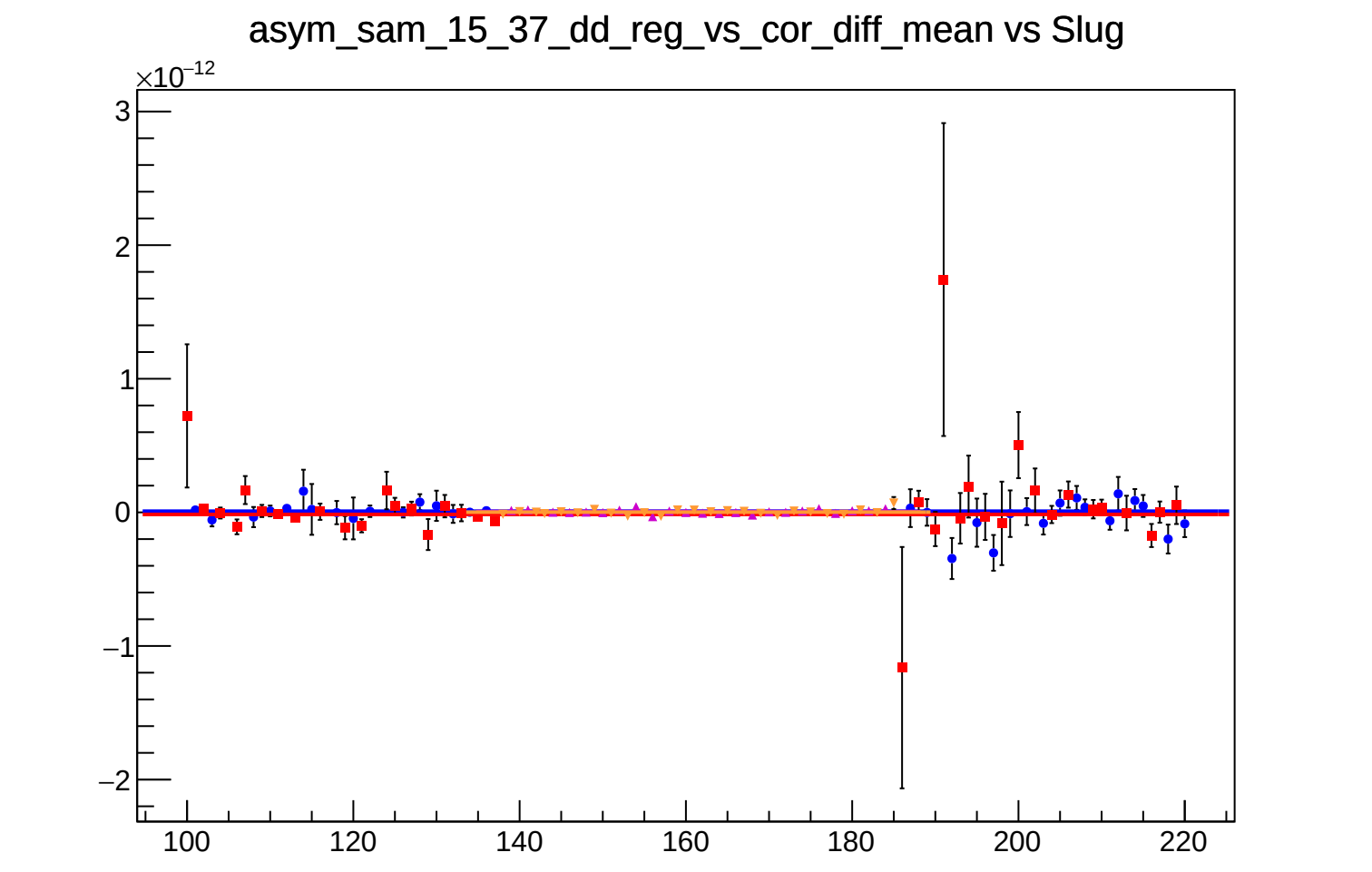
Right Out: 636.984+/-0.106 χ^2/NDF: 6718371.6/36

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 363.818+/-0.045 χ^2/NDF: 15406607.0/57

All: 365.463+/-0.032 χ^2/NDF: 31489554.5/11

- sign 367.183+/-0.046 χ^2/NDF: 16080239.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

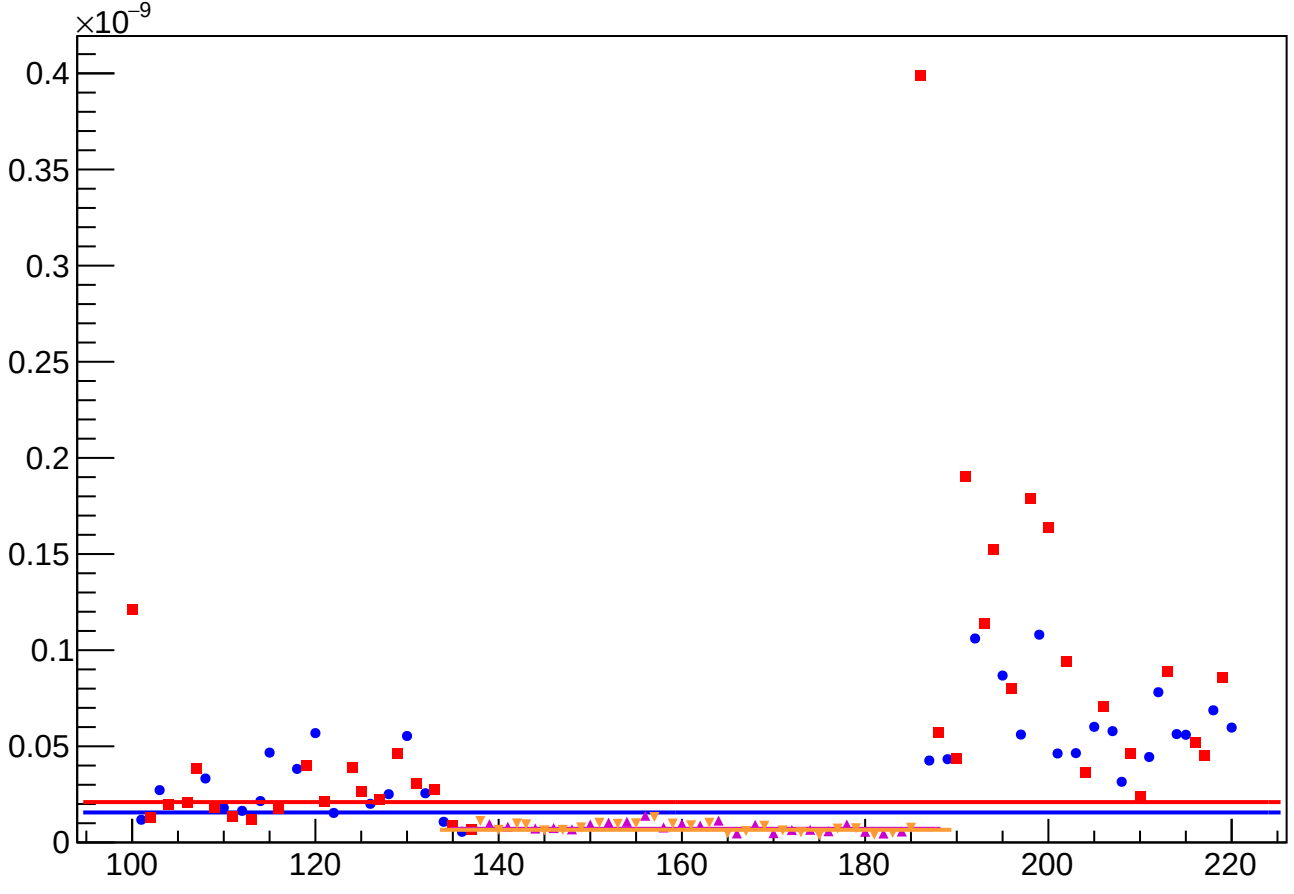
Right Out: -0.000+/-0.000 χ^2/NDF: 43.3/36

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.2/57

All: 0.000+/-0.000 χ^2/NDF: 117.6/117

- sign 0.000+/-0.000 χ^2/NDF: 66.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 8841643.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7801747.6/36

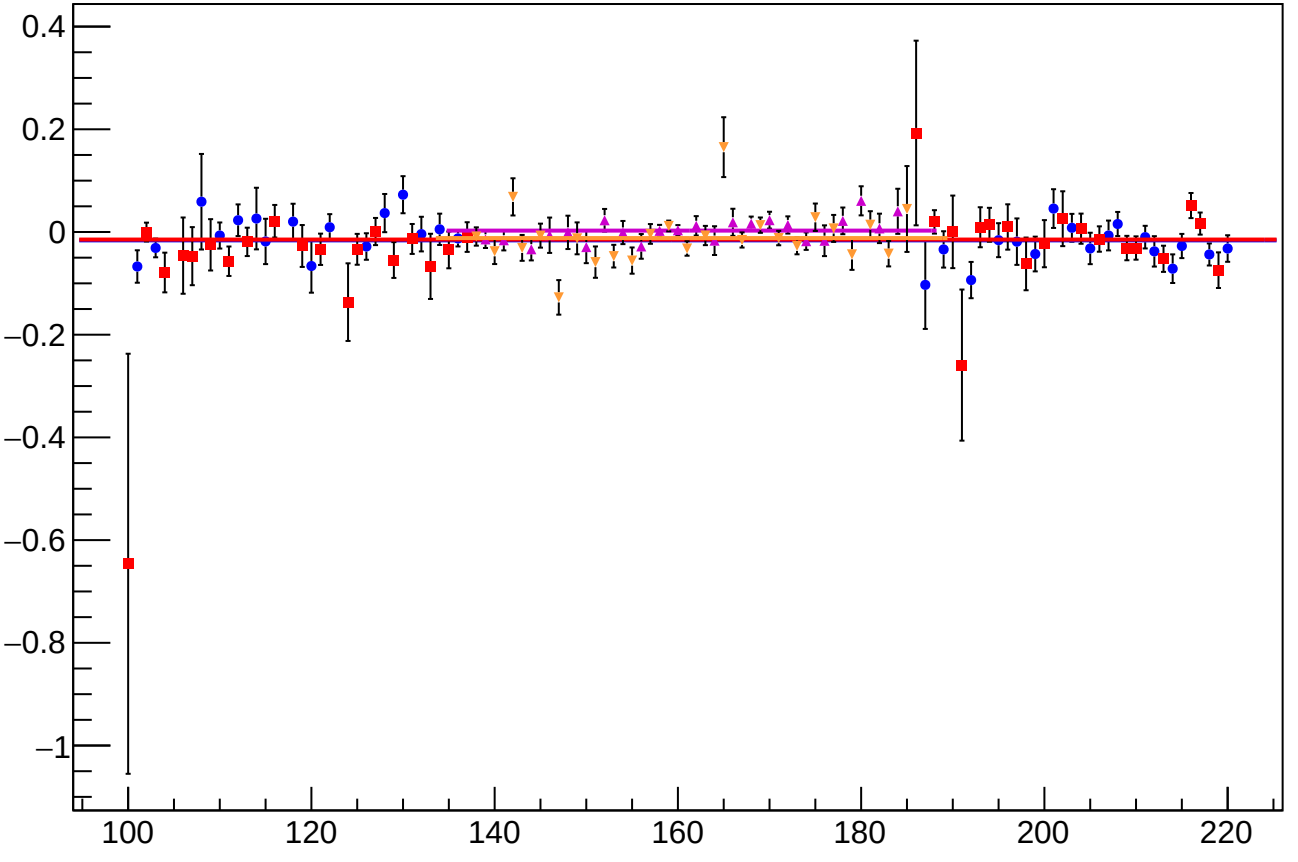
Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12862469.2/57

All: 0.000+/-0.000 χ^2/NDF: 25654632.2/117

- sign 0.000+/-0.000 χ^2/NDF: 12721572.8/59

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.016+/-0.005 χ^2/NDF: 37.3/32

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.015+/-0.005 χ^2/NDF: 41.3/36

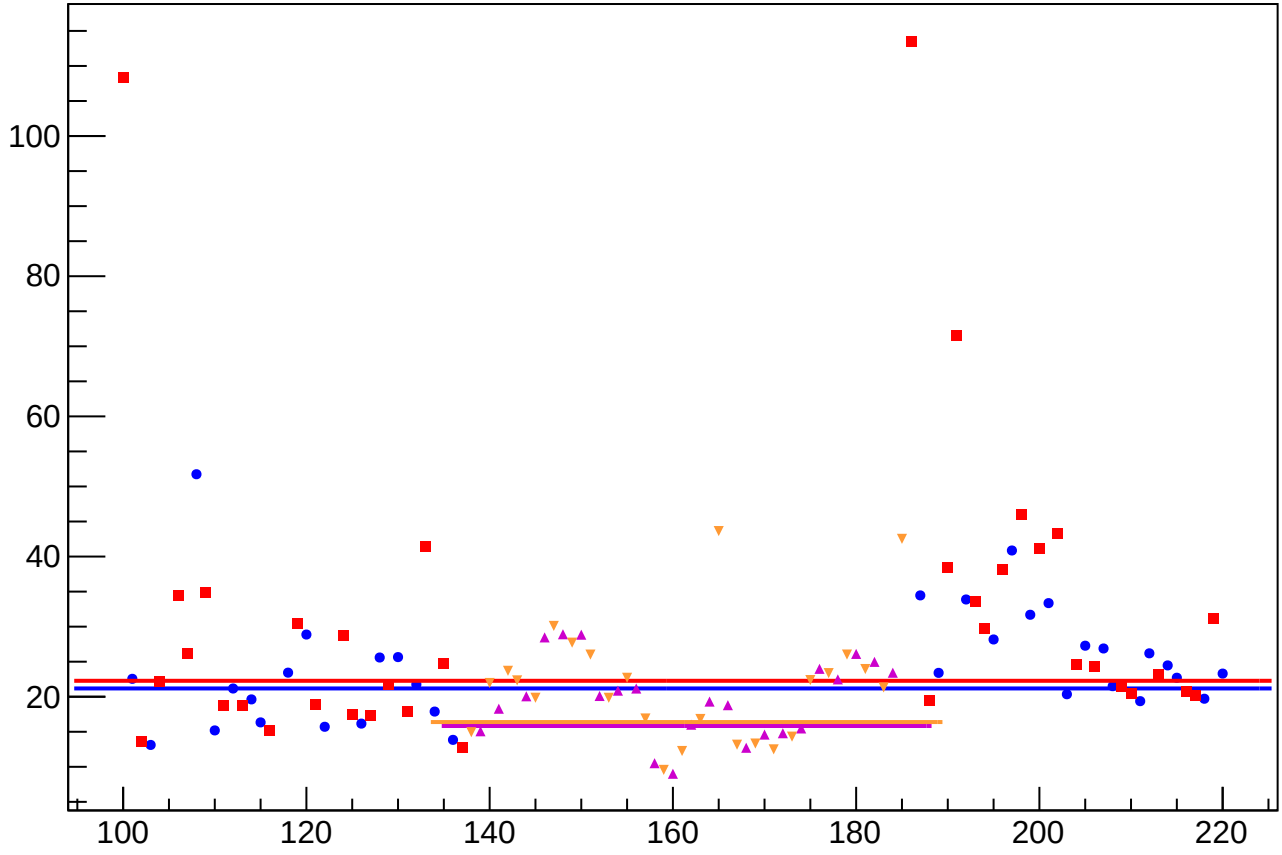
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.014+/-0.003 χ^2/NDF: 91.2/57

All: -0.009+/-0.002 χ^2/NDF: 163.9/117

- sign -0.004+/-0.003 χ^2/NDF: 67.8/59

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 21.181+/-0.004 χ^2/NDF: 2963207.1/32

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

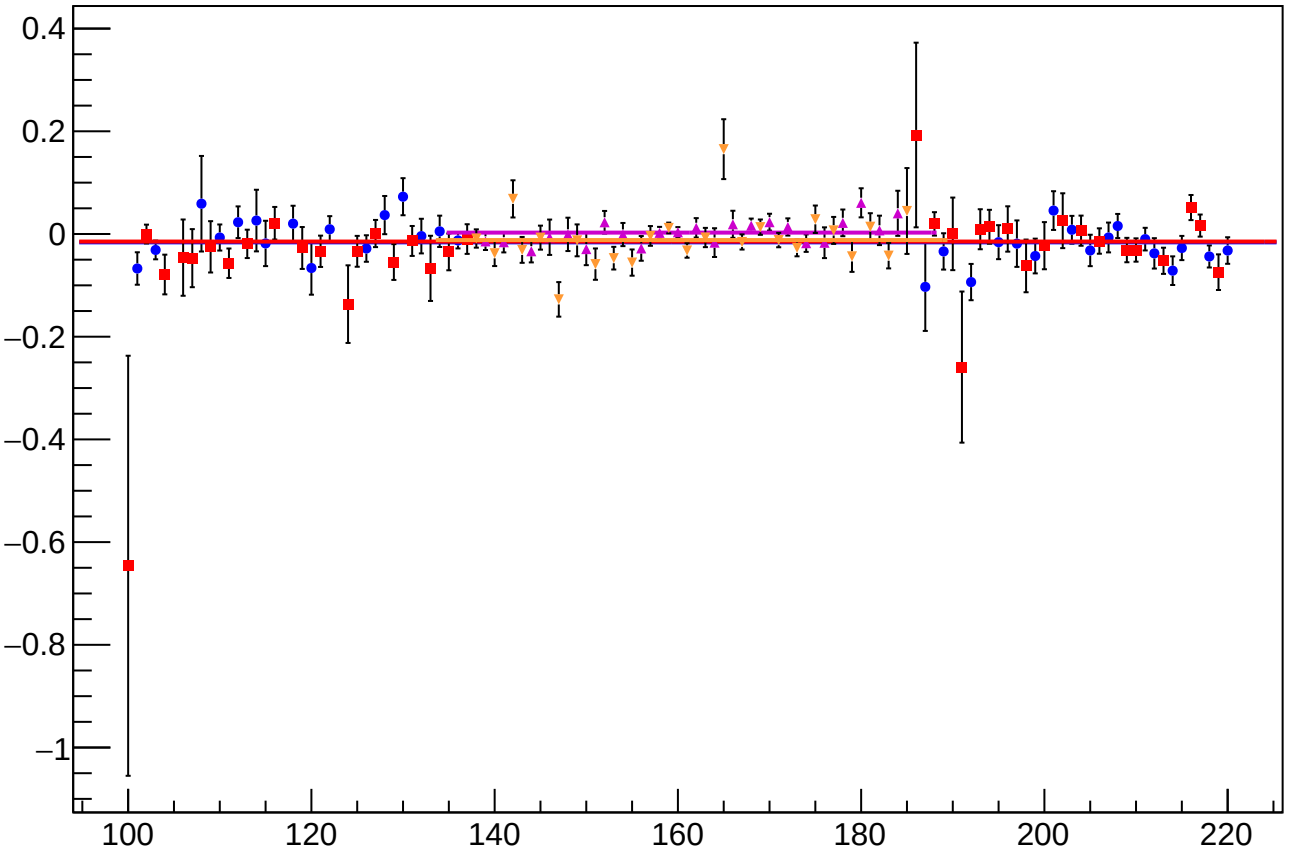
Right Out: 22.273+/-0.004 χ^2/NDF: 4272098.7/36

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 18.278+/-0.002 χ^2/NDF: 8089432.7/57

All: 18.222+/-0.002 χ^2/NDF: 17866262.8/117

- sign 18.163+/-0.002 χ^2/NDF: 9775545.4/59



Right In: -0.016+/-0.005 χ^2/NDF: 37.3/32

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

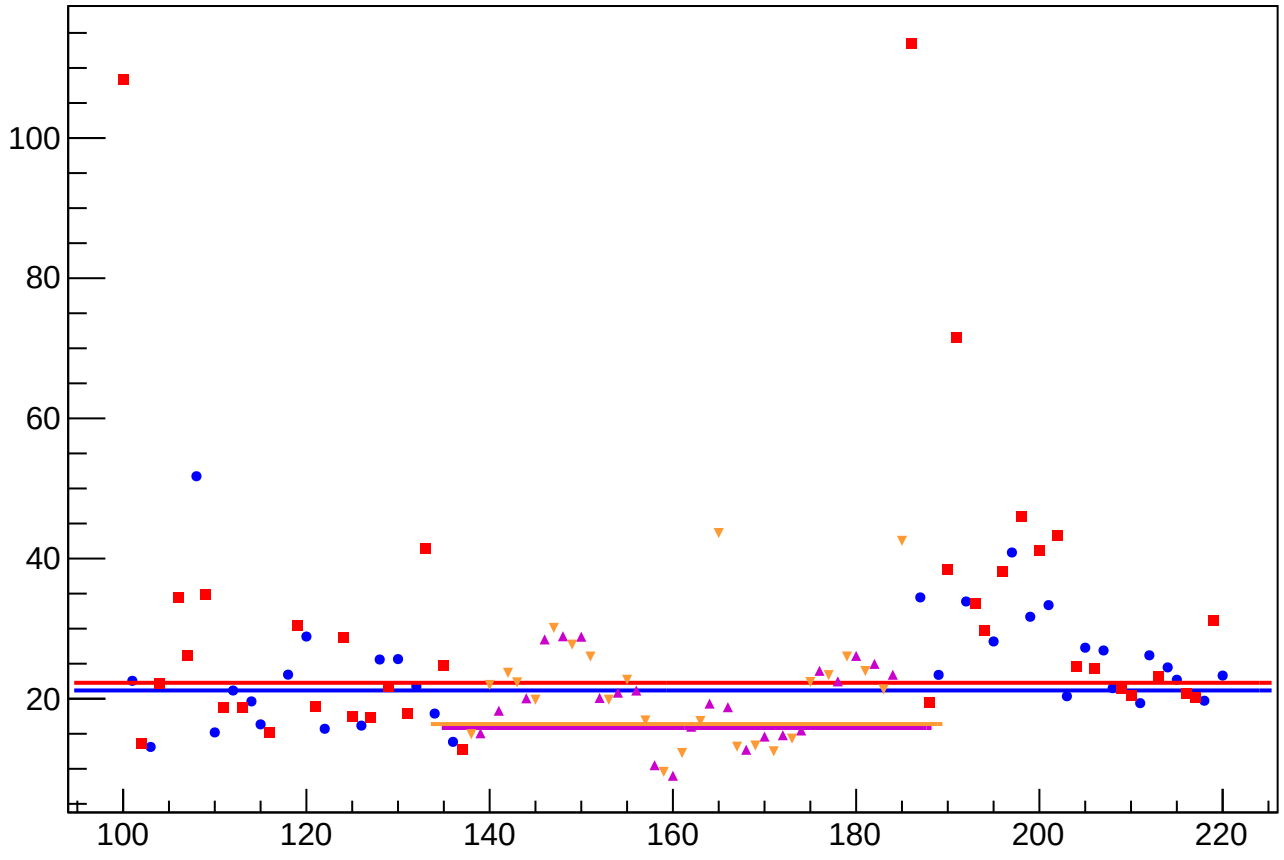
Right Out: -0.015+/-0.005 χ^2/NDF: 41.3/36

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.014+/-0.003 χ^2/NDF: 91.2/57

All: -0.009+/-0.002 χ^2/NDF: 163.9/117

- sign -0.004+/-0.003 χ^2/NDF: 67.8/59



Right In: 21.181+/-0.004 χ^2/NDF: 2963207.1/32

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

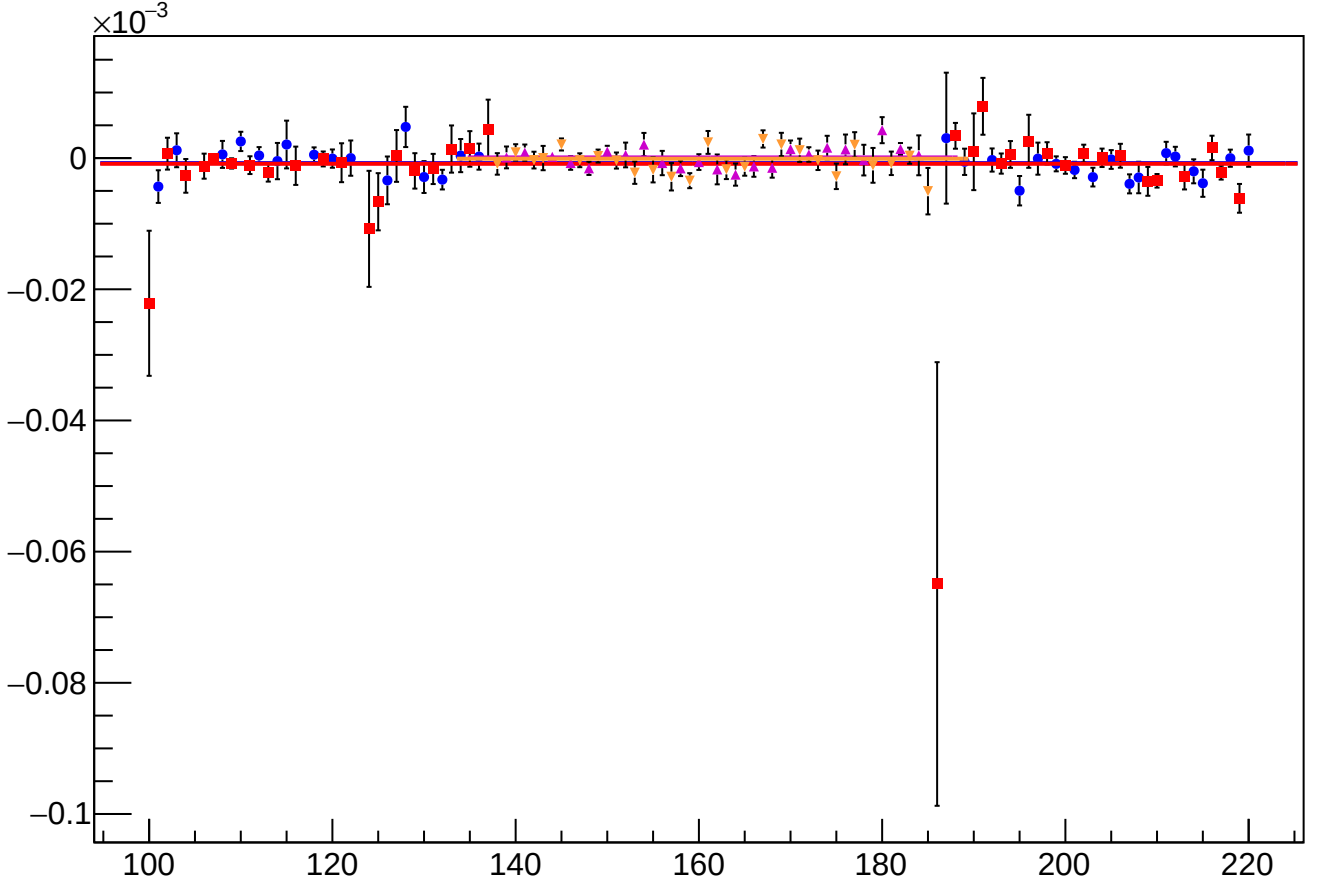
Right Out: 22.273+/-0.004 χ^2/NDF: 4272098.7/36

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 18.278+/-0.002 χ^2/NDF: 8089432.7/57

All: 18.222+/-0.002 χ^2/NDF: 17866262.8/117

- sign 18.163+/-0.002 χ^2/NDF: 9775545.4/59



Right In: -0.000+/-0.000 χ^2/NDF: 36.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 47.7/36

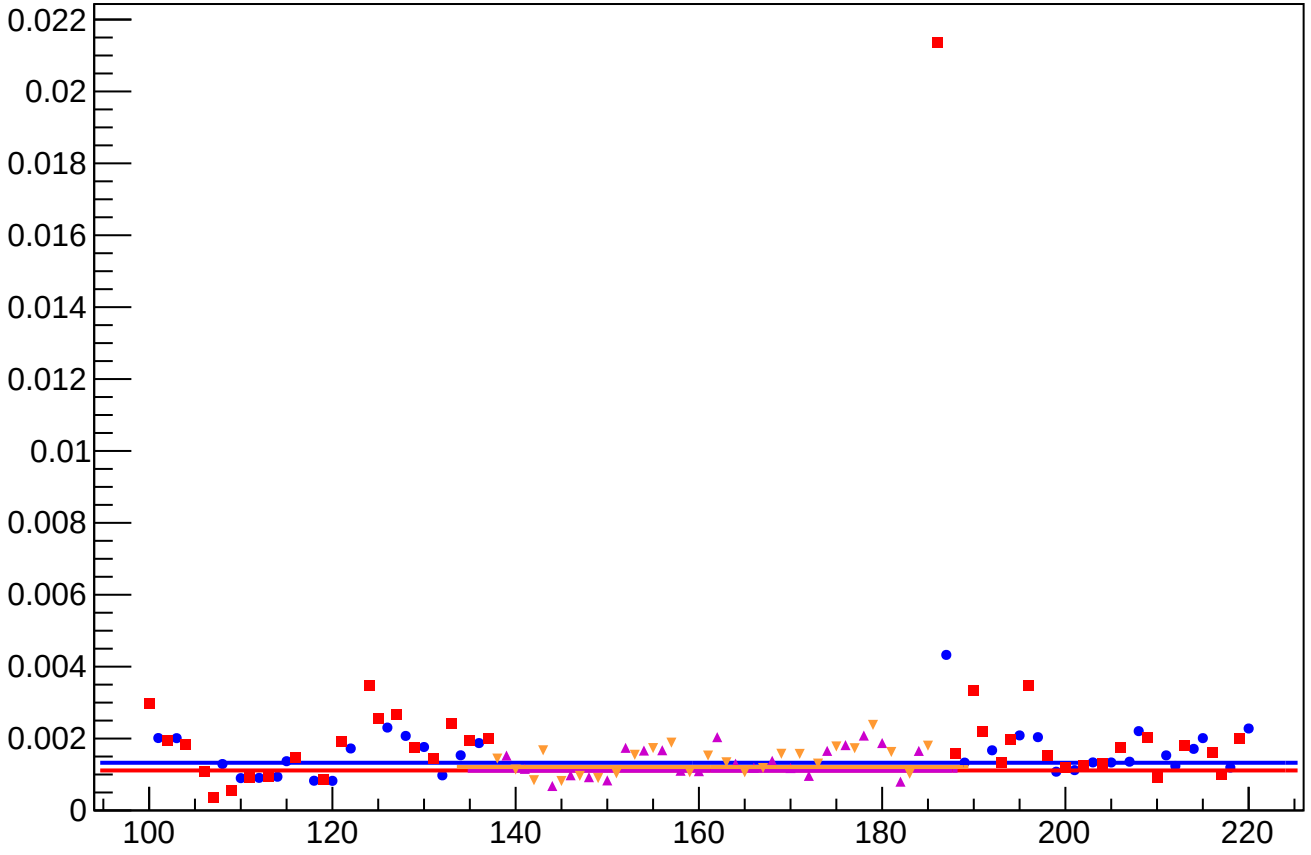
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.9/57

All: -0.000+/-0.000 χ^2/NDF: 150.8/117

- sign -0.000+/-0.000 χ^2/NDF: 75.9/59

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 3759139.7/32

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

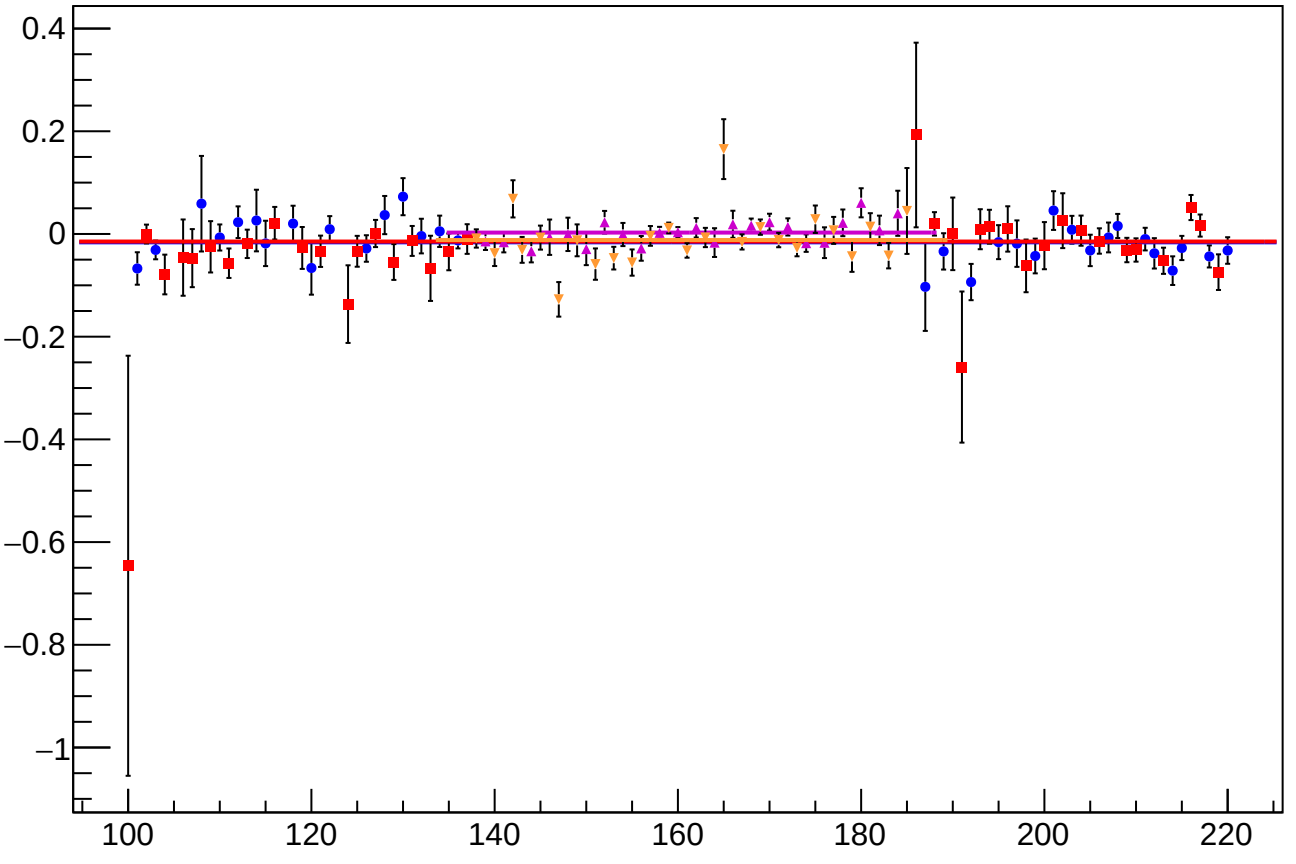
Right Out: 0.001+/-0.000 χ^2/NDF: 9148848.1/36

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 6638488.0/57

All: 0.001+/-0.000 χ^2/NDF: 19867755.4/117

- sign 0.001+/-0.000 χ^2/NDF: 12644858.3/59



Right In: -0.016+/-0.005 χ^2/NDF: 37.3/32

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

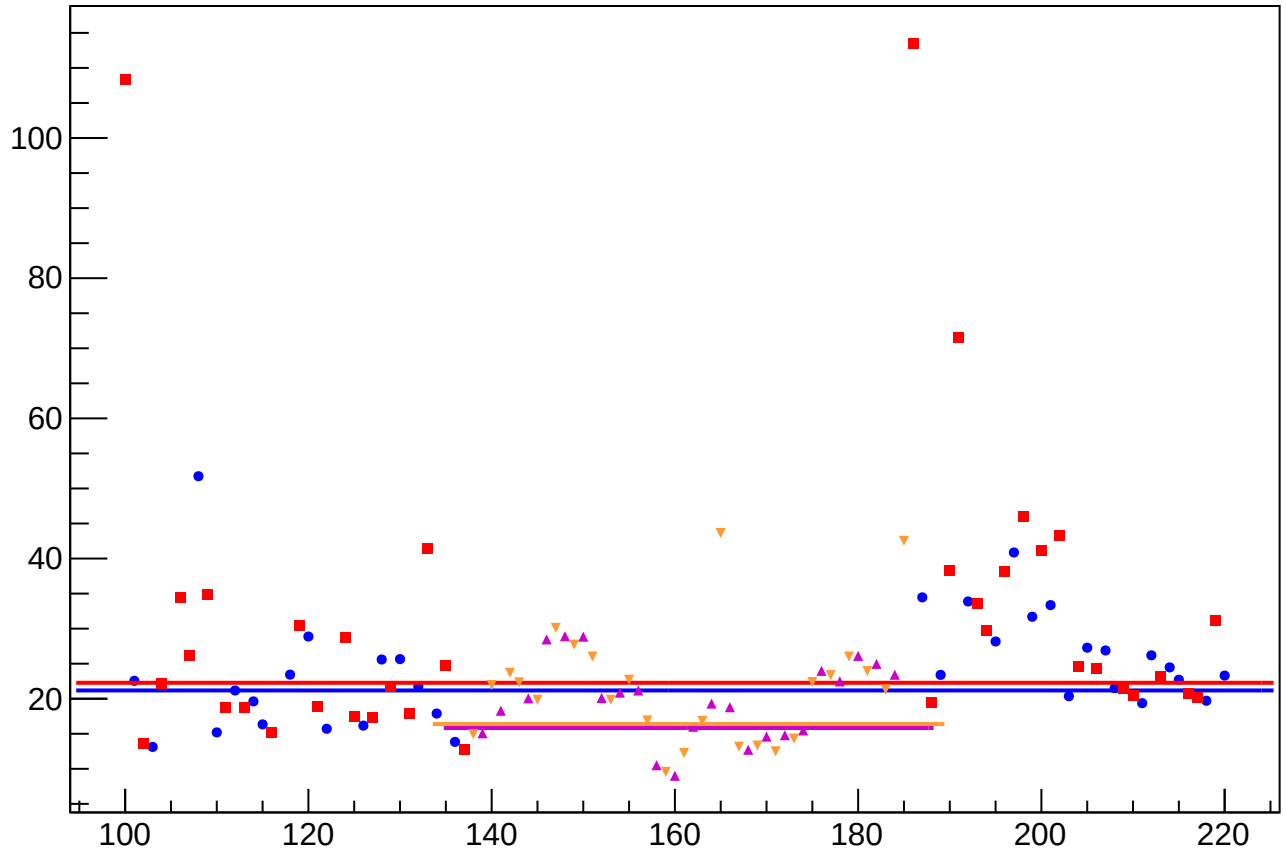
Right Out: -0.015+/-0.005 χ^2/NDF: 41.3/36

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.014+/-0.003 χ^2/NDF: 91.2/57

All: -0.009+/-0.002 χ^2/NDF: 163.9/117

- sign -0.004+/-0.003 χ^2/NDF: 67.8/59



Right In: 21.181+/-0.004 χ^2/NDF: 2963234.7/32

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

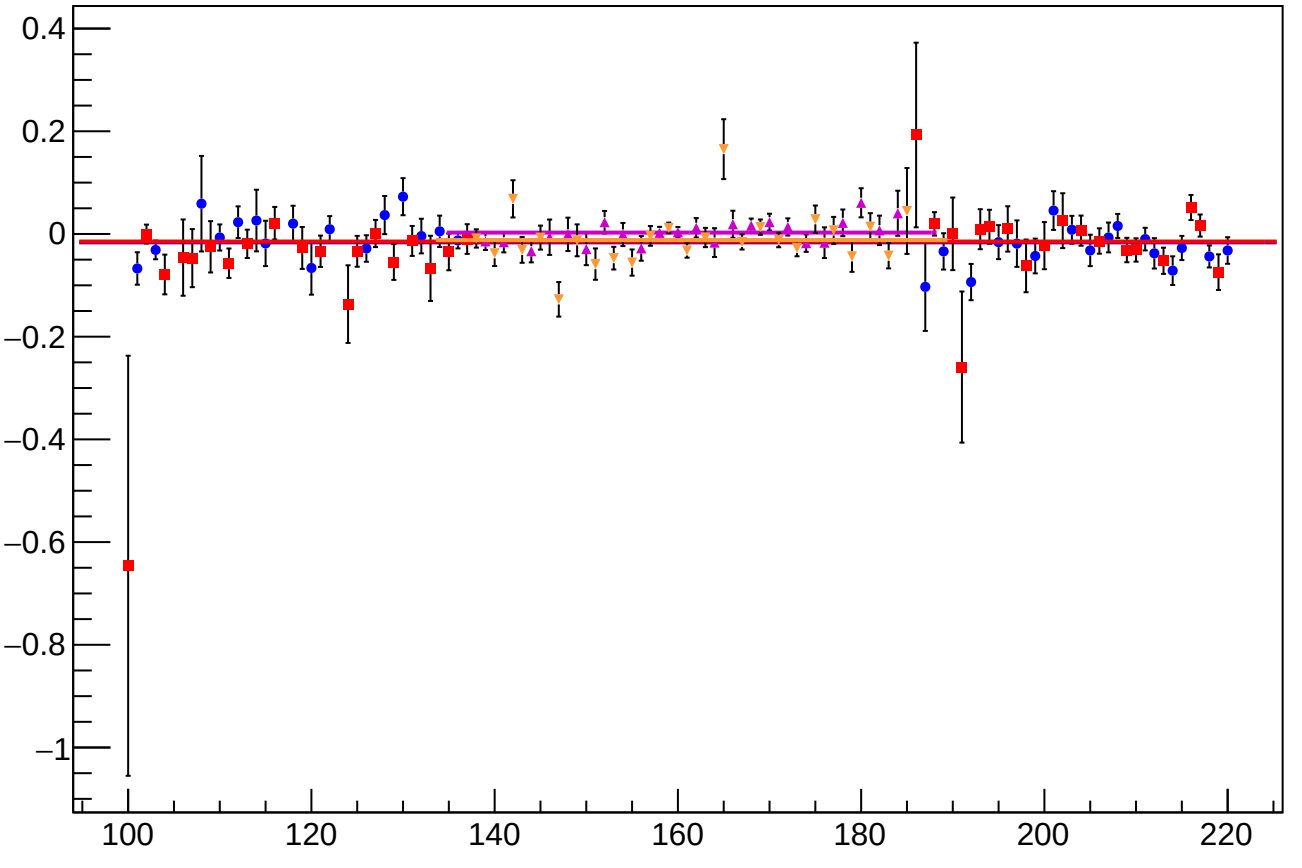
Right Out: 22.273+/-0.004 χ^2/NDF: 4271830.4/36

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 18.278+/-0.002 χ^2/NDF: 8089787.3/57

All: 18.222+/-0.002 χ^2/NDF: 17867030.0/117

- sign 18.163+/-0.002 χ^2/NDF: 9775958.9/59



Right In: -0.016+/-0.005 χ^2/NDF: 37.3/32

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

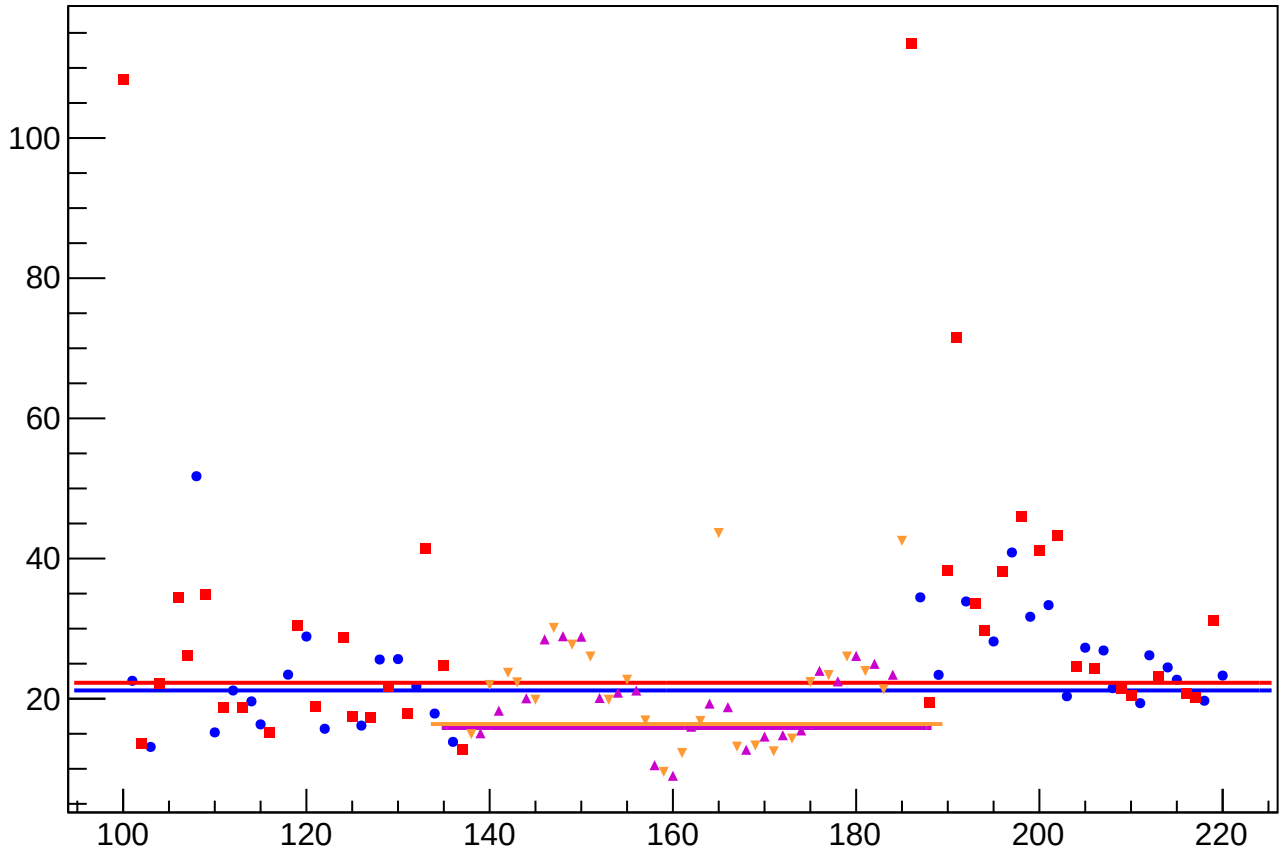
Right Out: -0.015+/-0.005 χ^2/NDF: 41.3/36

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.014+/-0.003 χ^2/NDF: 91.2/57

All: -0.009+/-0.002 χ^2/NDF: 163.9/117

- sign -0.004+/-0.003 χ^2/NDF: 67.8/59



Right In: 21.181+/-0.004 χ^2/NDF: 2963234.7/32

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

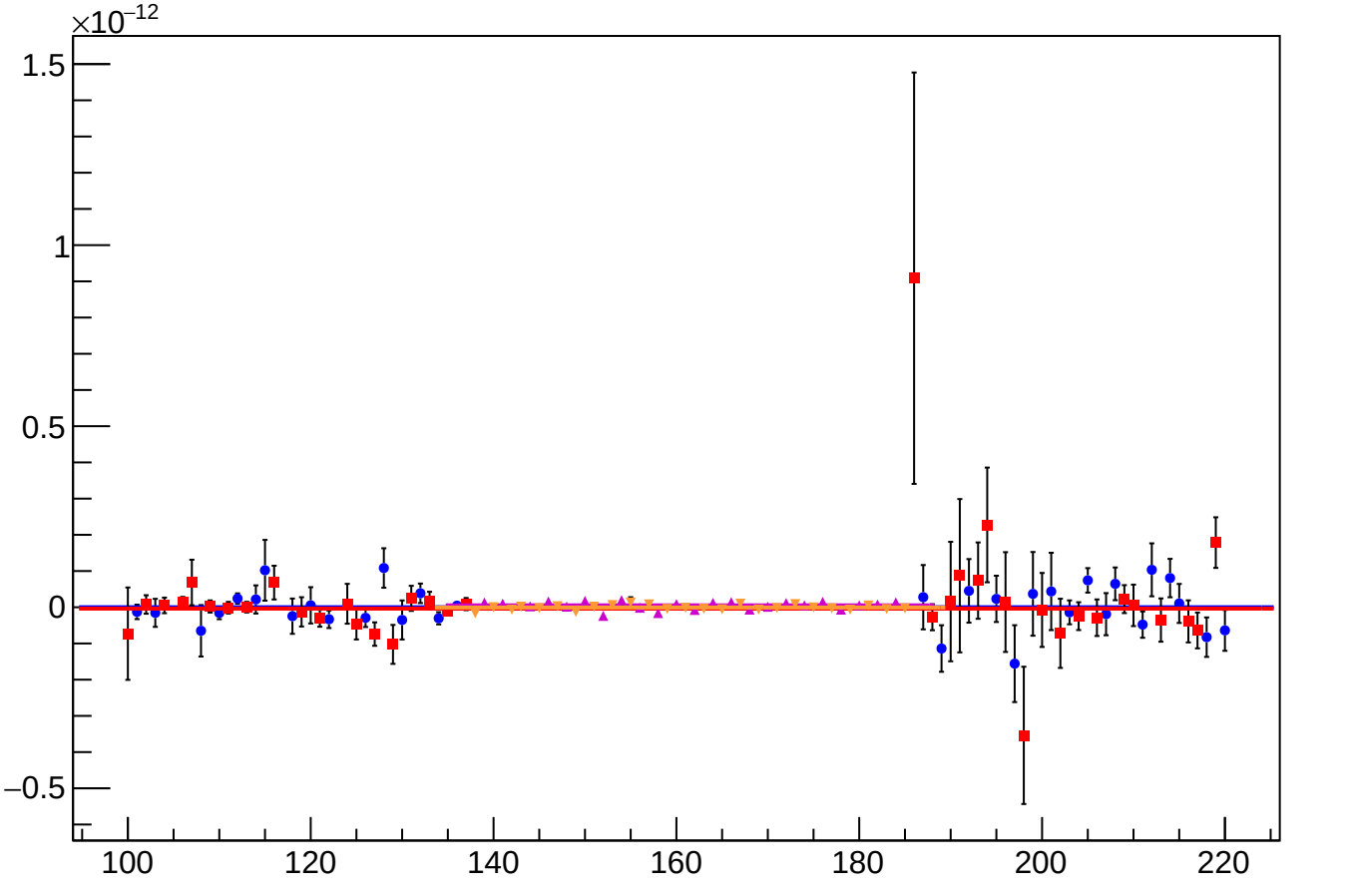
Right Out: 22.273+/-0.004 χ^2/NDF: 4271830.4/36

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 18.278+/-0.002 χ^2/NDF: 8089787.3/57

All: 18.222+/-0.002 χ^2/NDF: 17867030.0/117

- sign 18.163+/-0.002 χ^2/NDF: 9775958.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 43.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

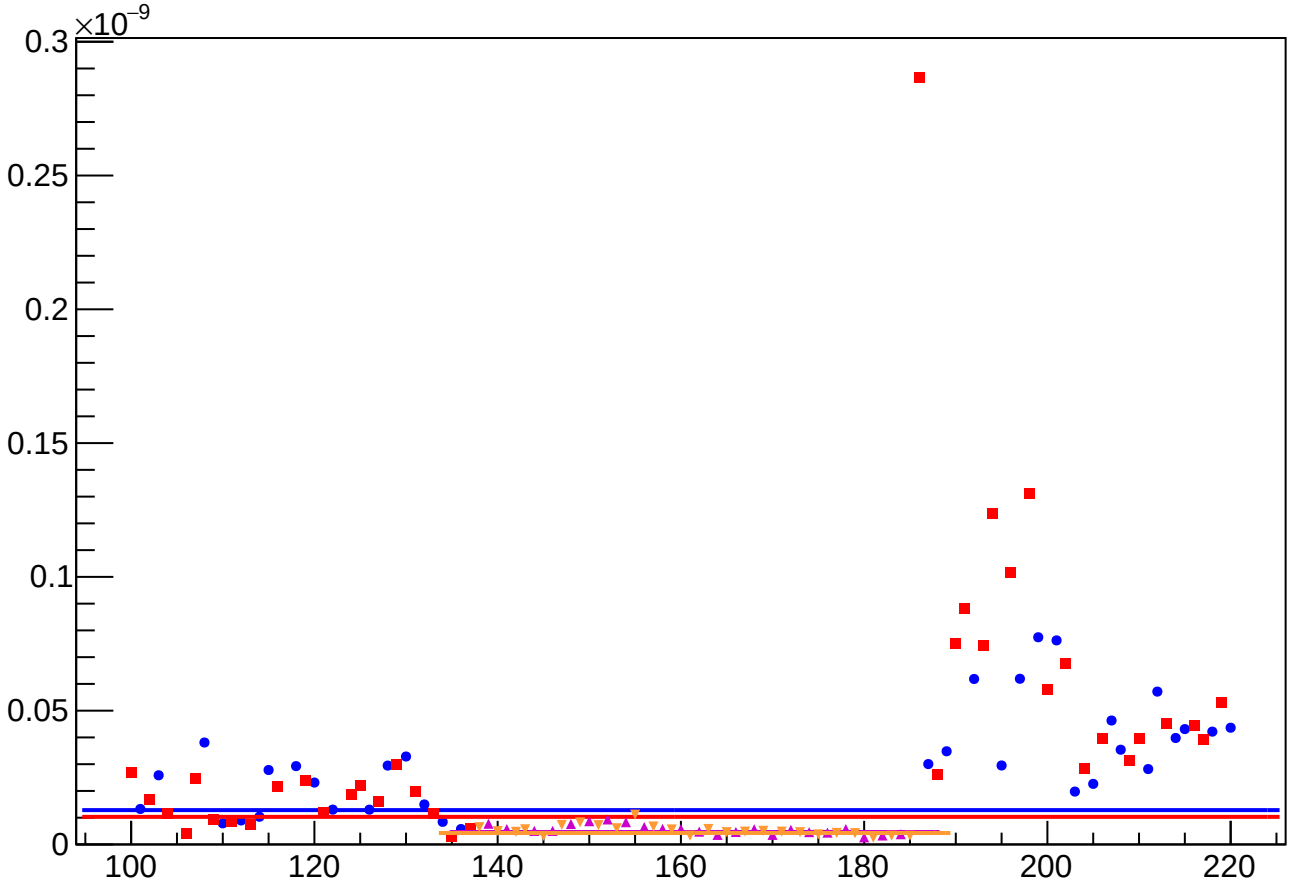
Right Out: -0.000+/-0.000 χ^2/NDF: 39.0/36

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

+ sign -0.000+/-0.000 χ^2/NDF: 62.3/57

All: 0.000+/-0.000 χ^2/NDF: 151.2/117

- sign 0.000+/-0.000 χ^2/NDF: 80.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 11136406.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 14887511.4/36

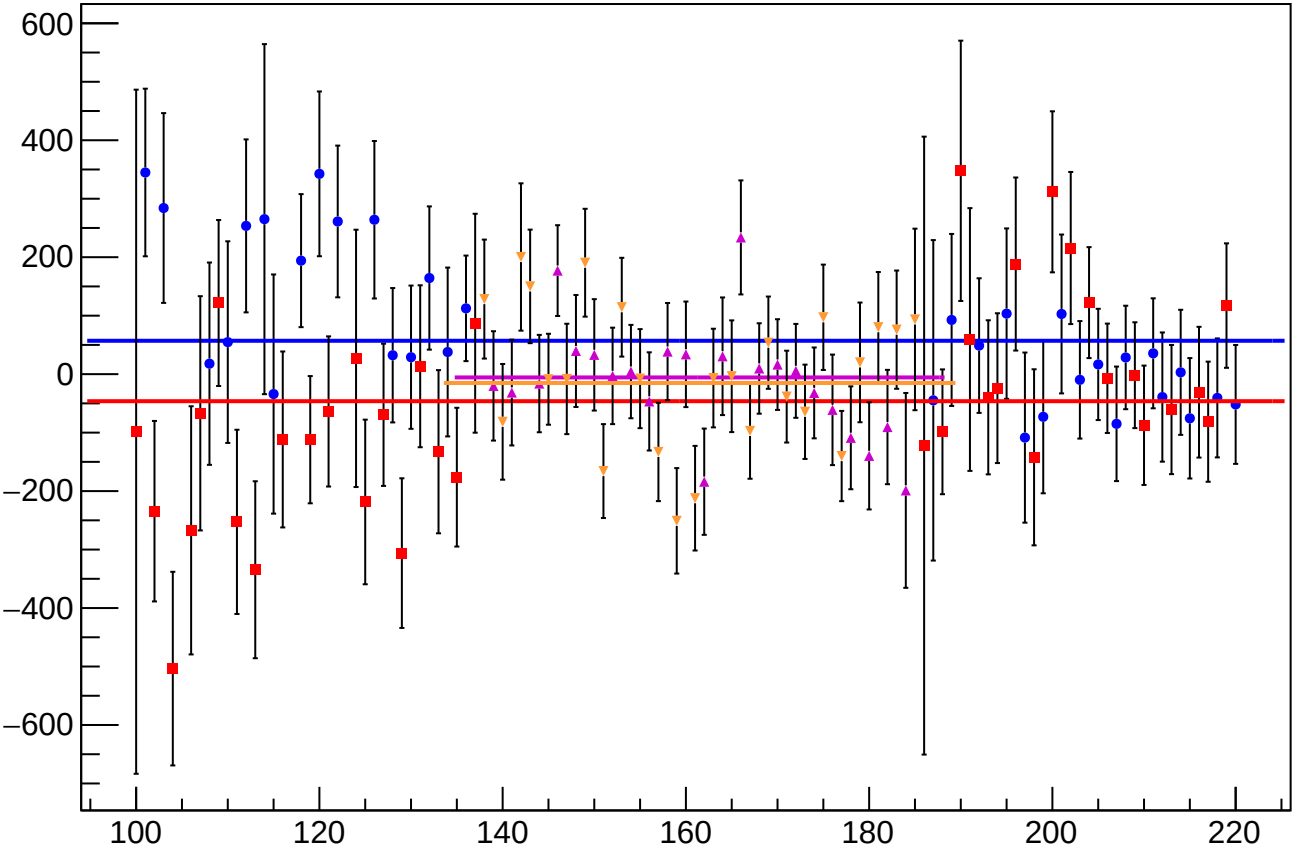
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 19831463.1/57

All: 0.000+/-0.000 χ^2/NDF: 40438547.9/117

- sign 0.000+/-0.000 χ^2/NDF: 20540370.0/59

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 57.090+/-21.271 χ^2/NDF: 30.5/32

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -46.249+/-21.851 χ^2/NDF: 49.2/36

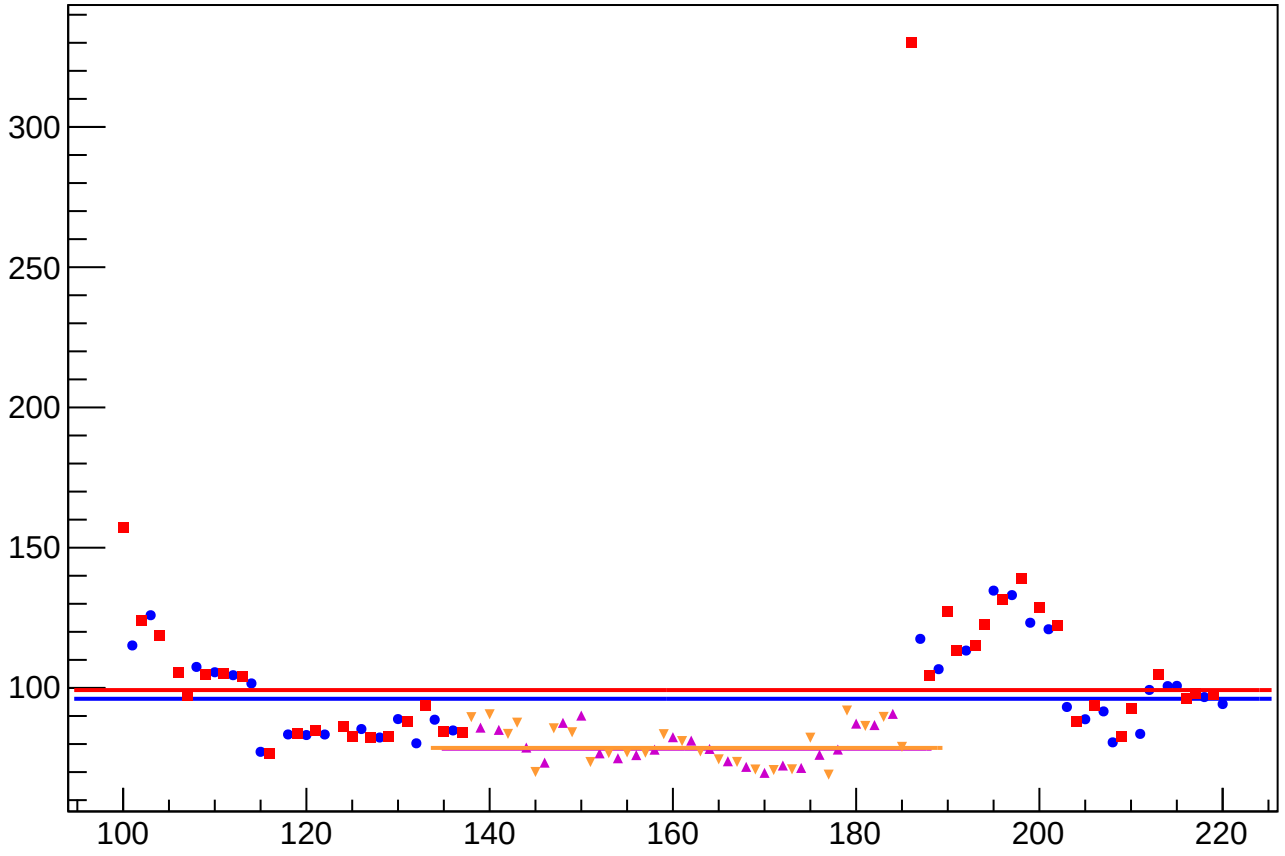
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 14.939+/-13.721 χ^2/NDF: 78.8/57

All: -3.297+/-9.822 χ^2/NDF: 156.7/117

- sign -22.462+/-14.066 χ^2/NDF: 74.2/59

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 96.133+/-0.015 χ^2/NDF: 934919.6/32

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

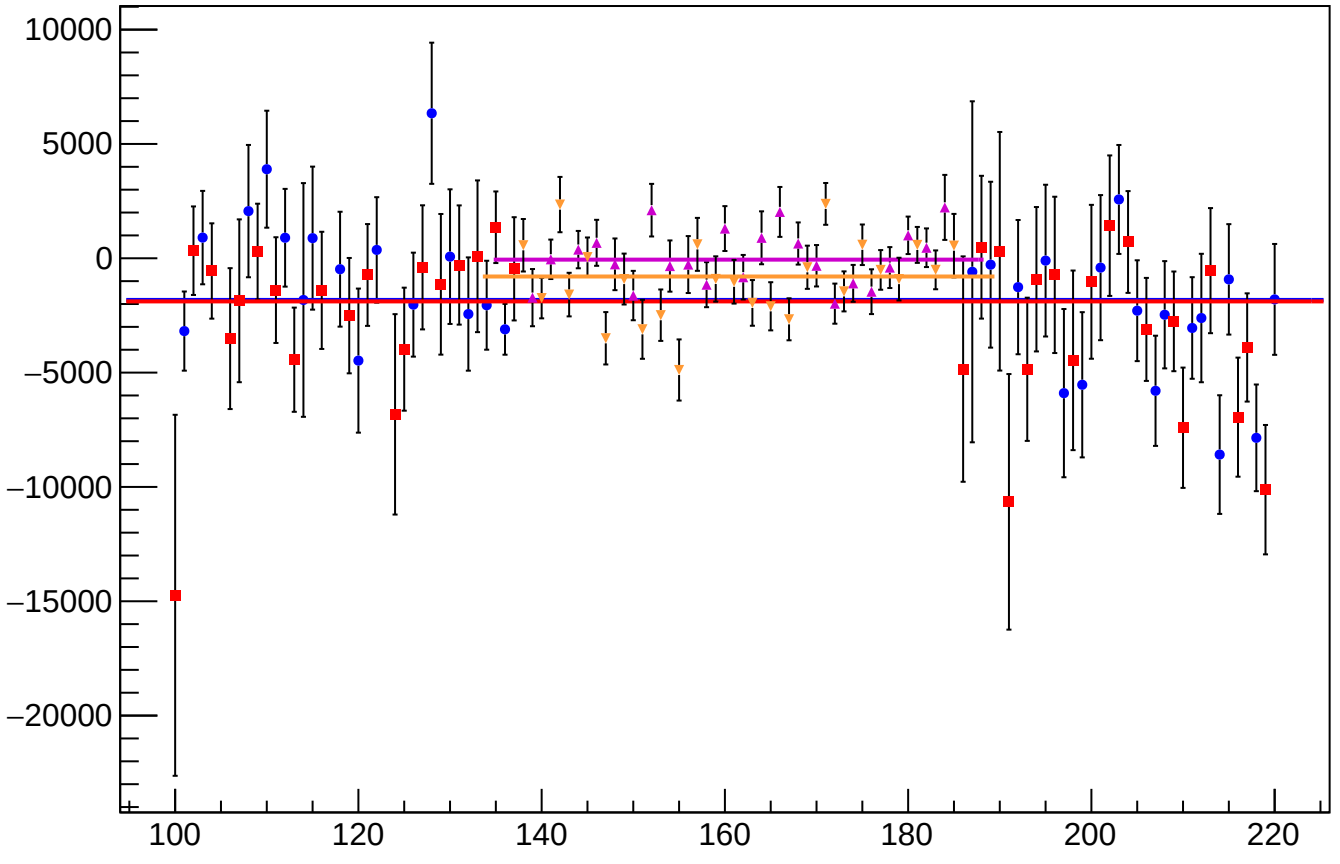
Right Out: 99.240+/-0.015 χ^2/NDF: 1413972.3/36

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.906+/-0.010 χ^2/NDF: 2033857.2/57

All: 86.438+/-0.007 χ^2/NDF: 4735148.3/117

- sign 86.998+/-0.010 χ^2/NDF: 2695121.6/59



Right In: -1821.459+/-421.983 χ^2/NDF: 45.8/32

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

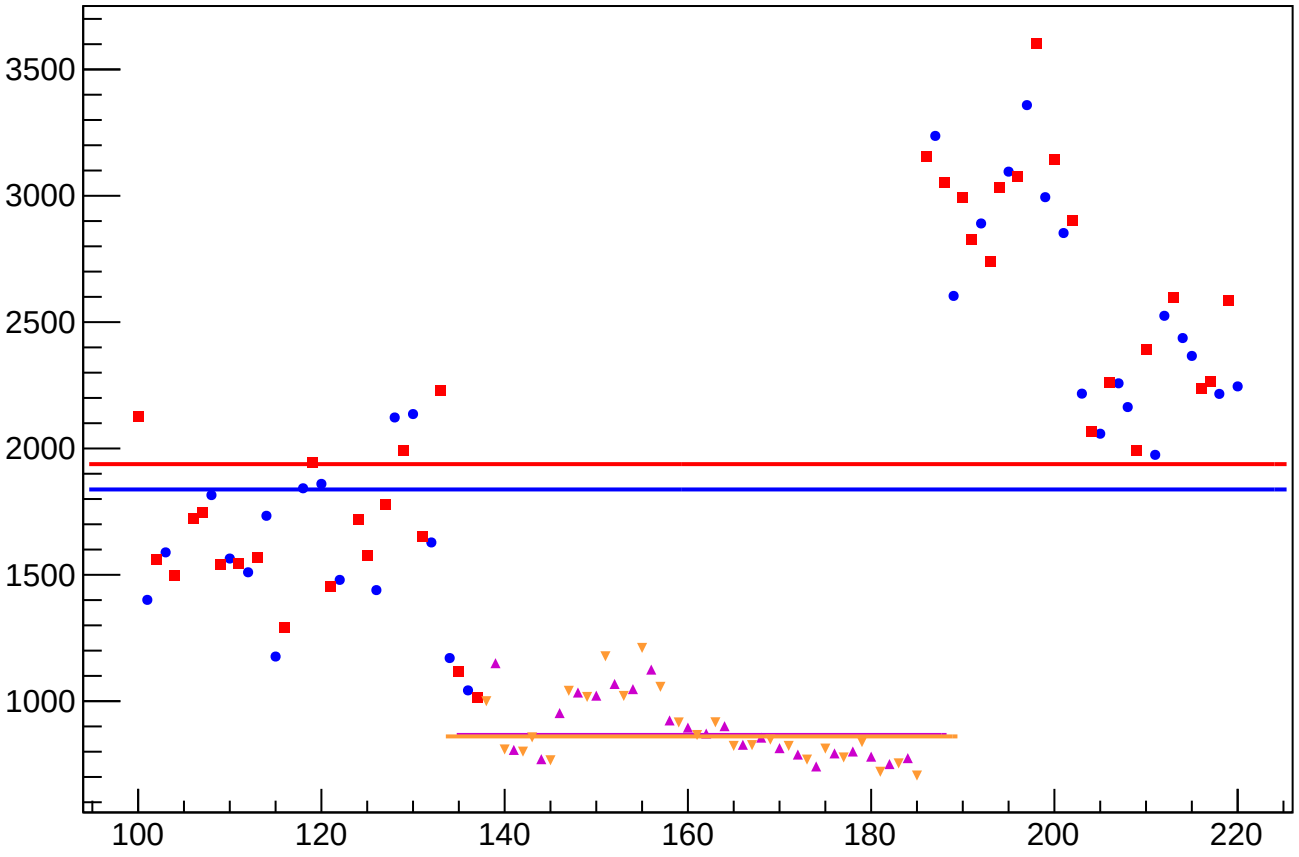
Right Out: -1886.231+/-439.071 χ^2/NDF: 40.8/36

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -981.672+/-179.163 χ^2/NDF: 110.1/57

All: -693.413+/-128.813 χ^2/NDF: 201.0/117

- sign -384.961+/-185.332 χ^2/NDF: 85.5/59



Right In: 1837.808+/-0.298 χ^2/NDF: 3863437.5/32

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1938.067+/-0.310 χ^2/NDF: 3871029.5/36

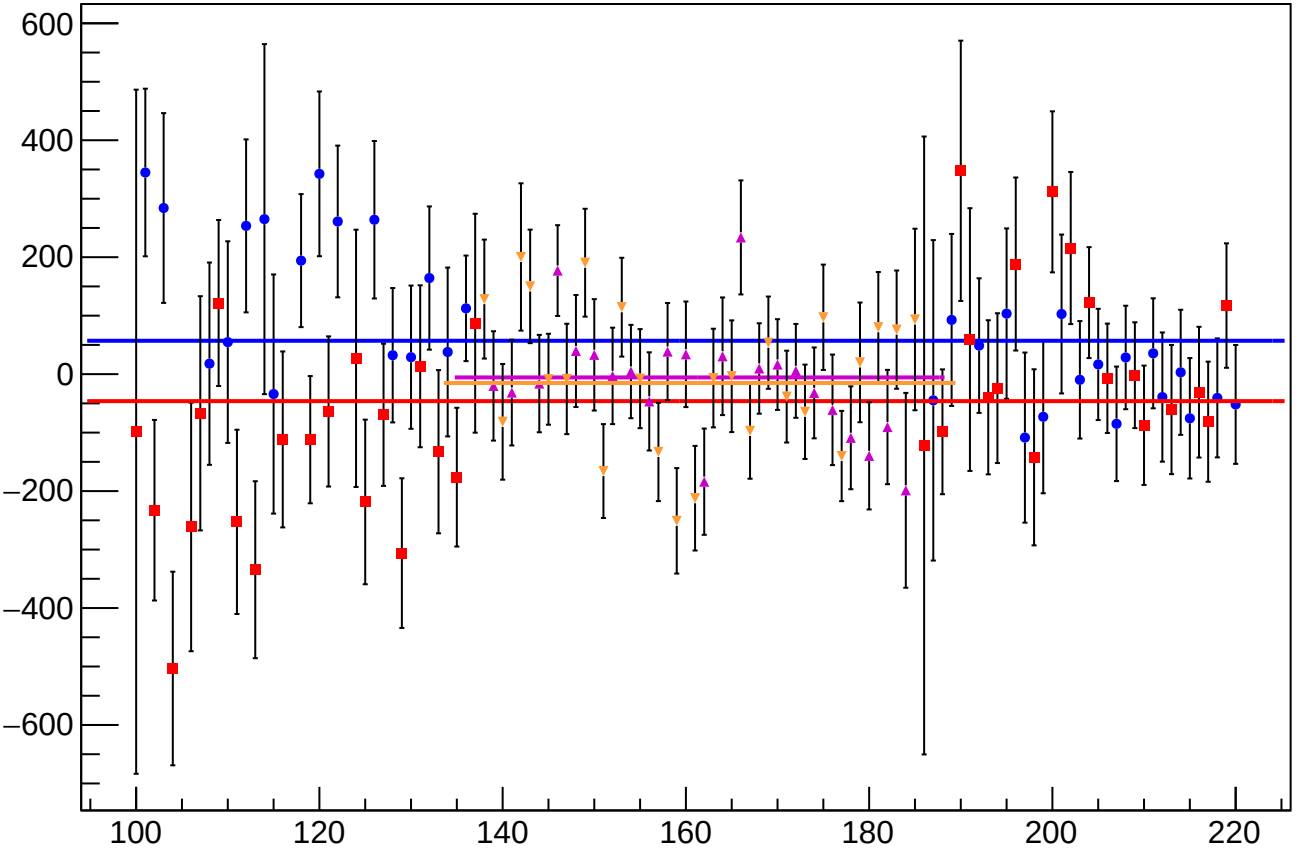
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 1036.666+/-0.127 χ^2/NDF: 13356648.0/57

All: 1046.632+/-0.091 χ^2/NDF: 27646443.3/1

- sign 1057.298+/-0.131 χ^2/NDF: 14276982.7/59

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 57.085+/-21.271 χ^2/NDF: 30.5/32

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -46.141+/-21.852 χ^2/NDF: 49.1/36

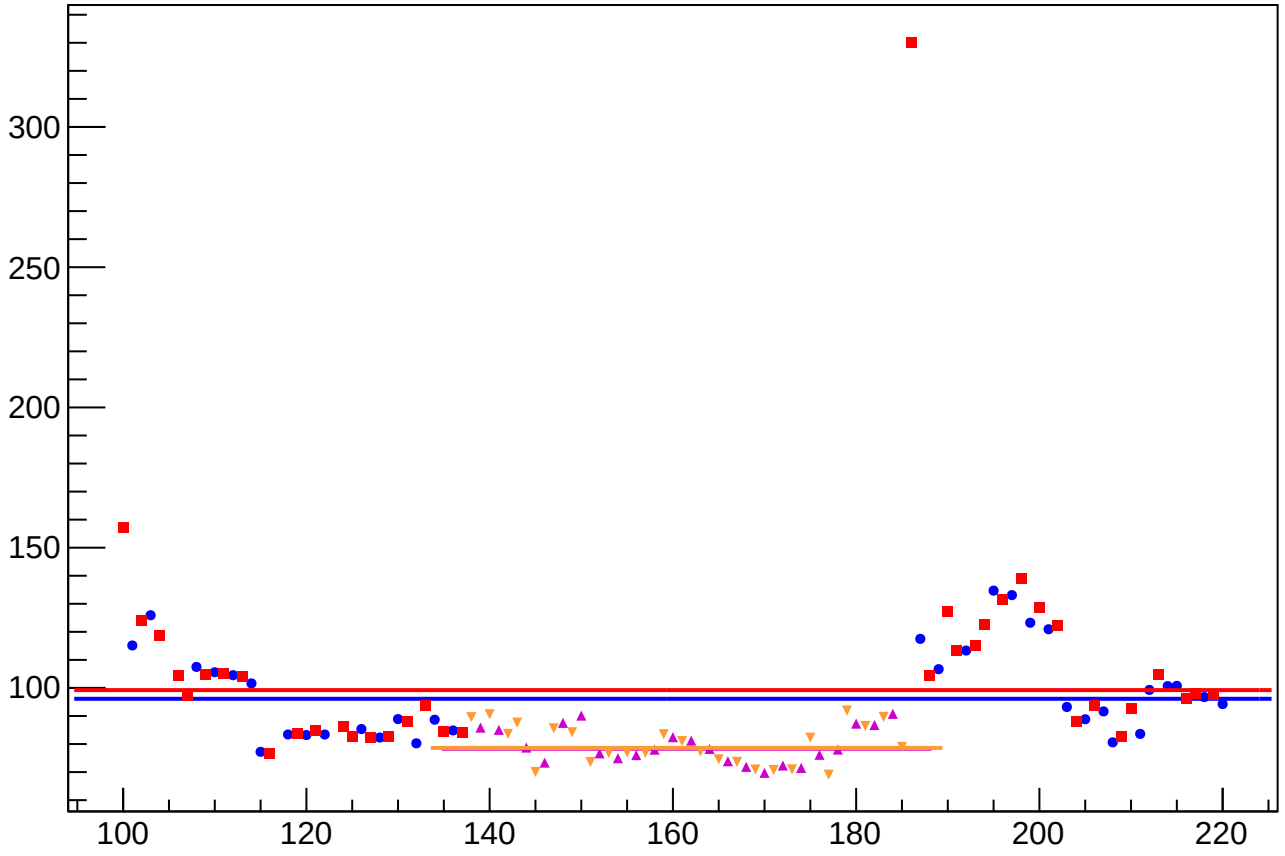
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 14.938+/-13.721 χ^2/NDF: 78.8/57

All: -3.274+/-9.822 χ^2/NDF: 156.6/117

- sign -22.415+/-14.067 χ^2/NDF: 74.1/59

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 96.133+/-0.015 χ^2/NDF: 934921.2/32

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 99.227+/-0.015 χ^2/NDF: 1413500.3/36

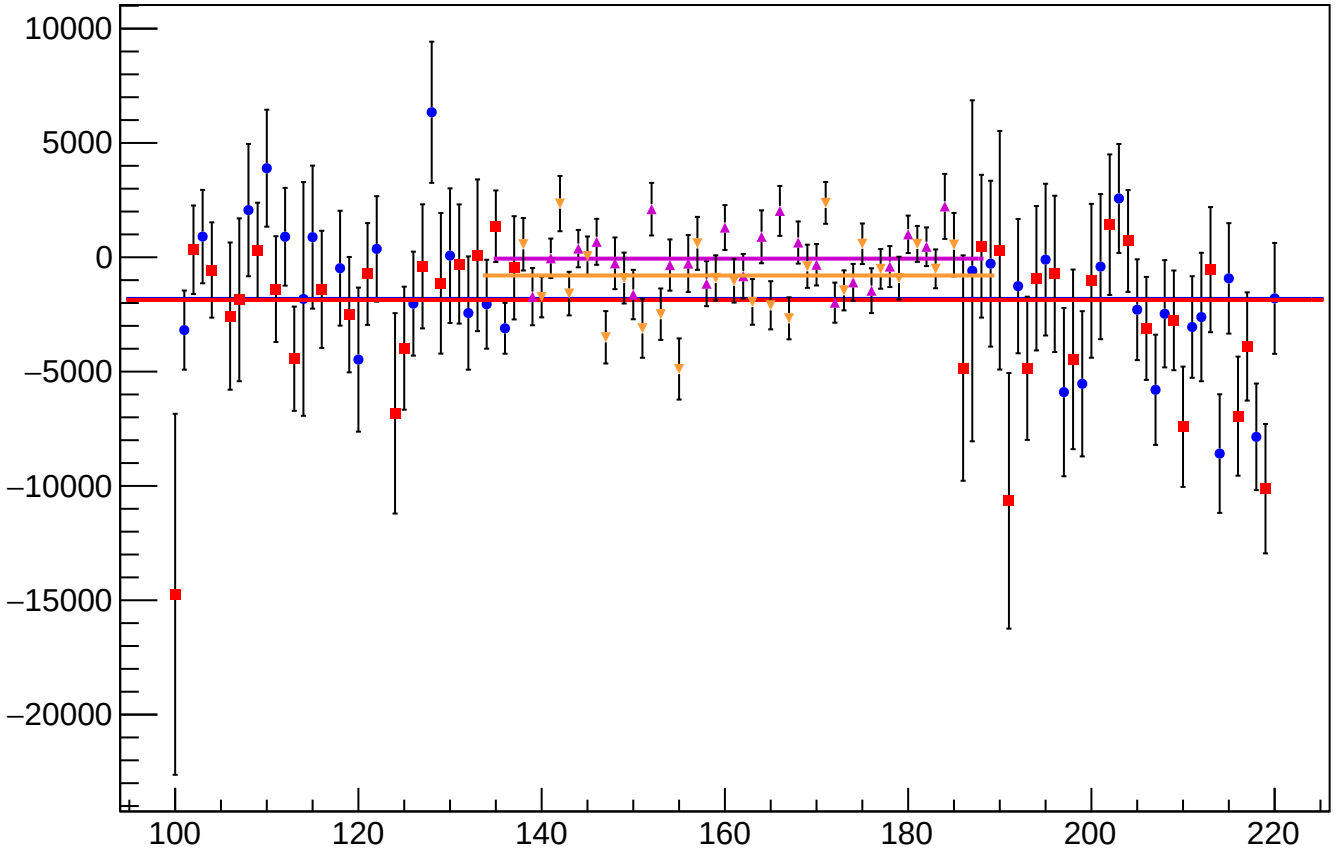
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.906+/-0.010 χ^2/NDF: 2033859.0/57

All: 86.436+/-0.007 χ^2/NDF: 4733235.9/117

- sign 86.992+/-0.010 χ^2/NDF: 2693271.7/59

asym_sam_24_68_dd_cor_correction_mean vs Slug



Right In: -1821.450+/-421.984 χ^2/NDF: 45.8/32

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

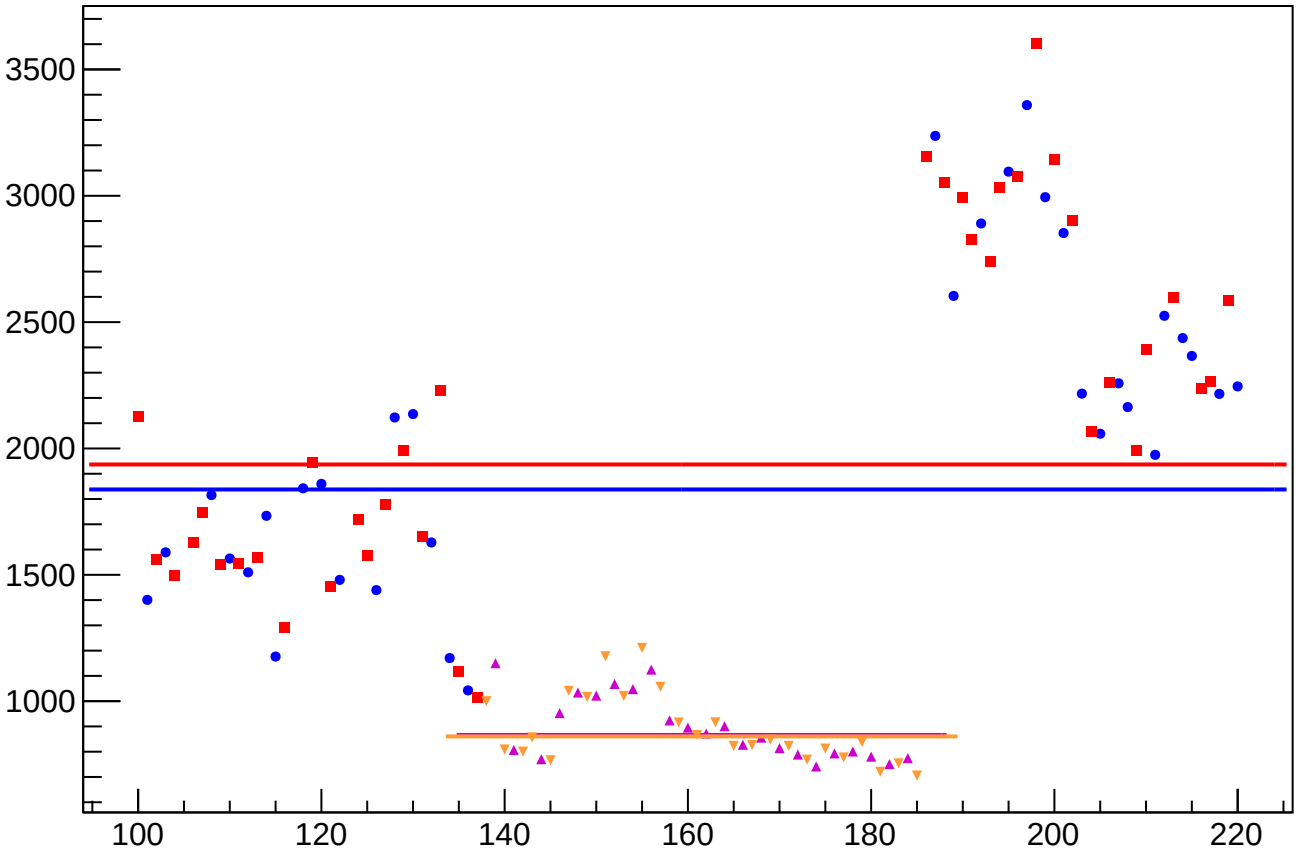
Right Out: -1866.204+/-439.456 χ^2/NDF: 40.6/36

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -981.669+/-179.163 χ^2/NDF: 110.1/57

All: -691.511+/-128.823 χ^2/NDF: 200.5/117

- sign -380.930+/-185.361 χ^2/NDF: 84.9/59



Right In: 1837.811+/-0.298 χ^2/NDF: 3863421.3/32

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1936.734+/-0.311 χ^2/NDF: 3879392.6/36

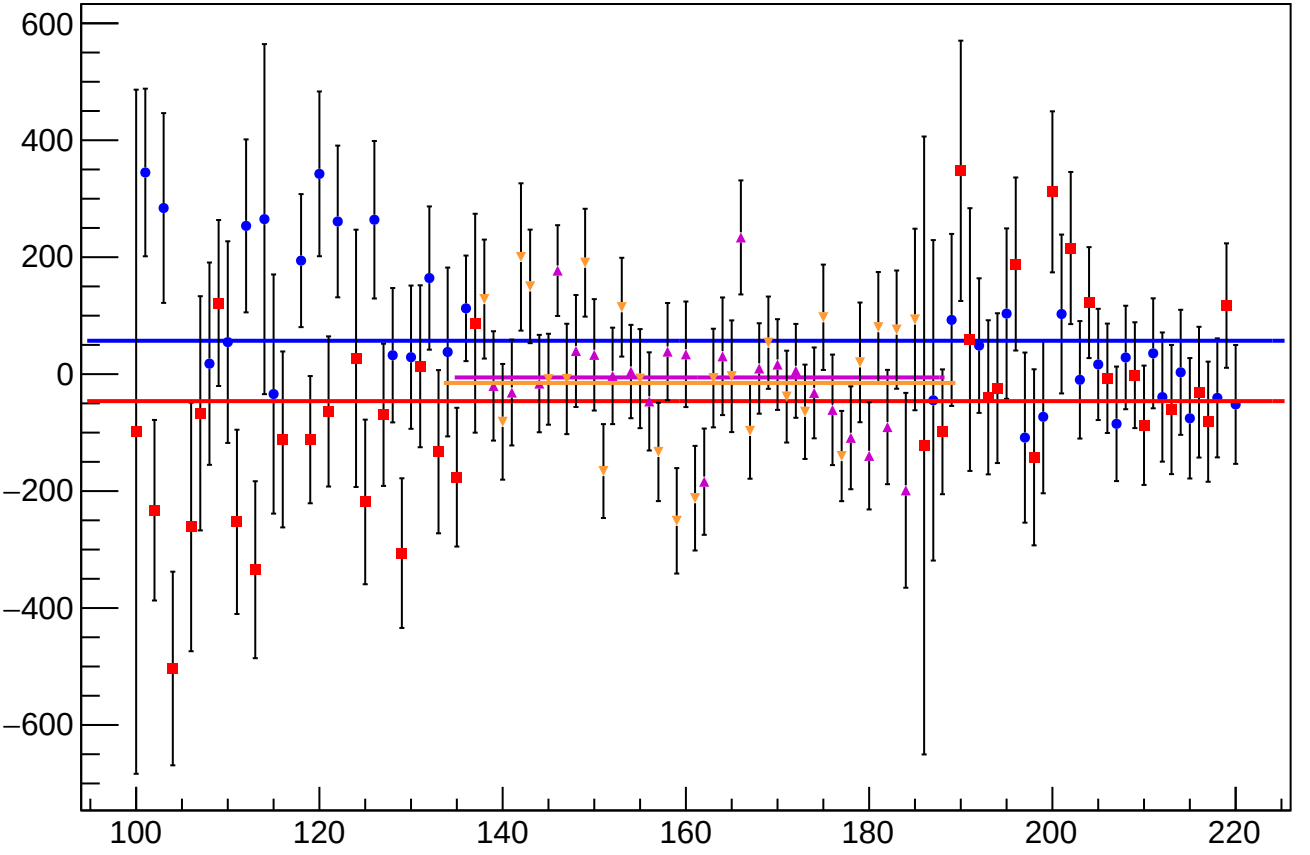
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 1036.666+/-0.127 χ^2/NDF: 13356667.2/57

All: 1046.384+/-0.091 χ^2/NDF: 27615777.7/1

- sign 1056.786+/-0.131 χ^2/NDF: 14246927.6/59

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 57.085+/-21.271 χ^2/NDF: 30.5/32

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -46.141+/-21.852 χ^2/NDF: 49.1/36

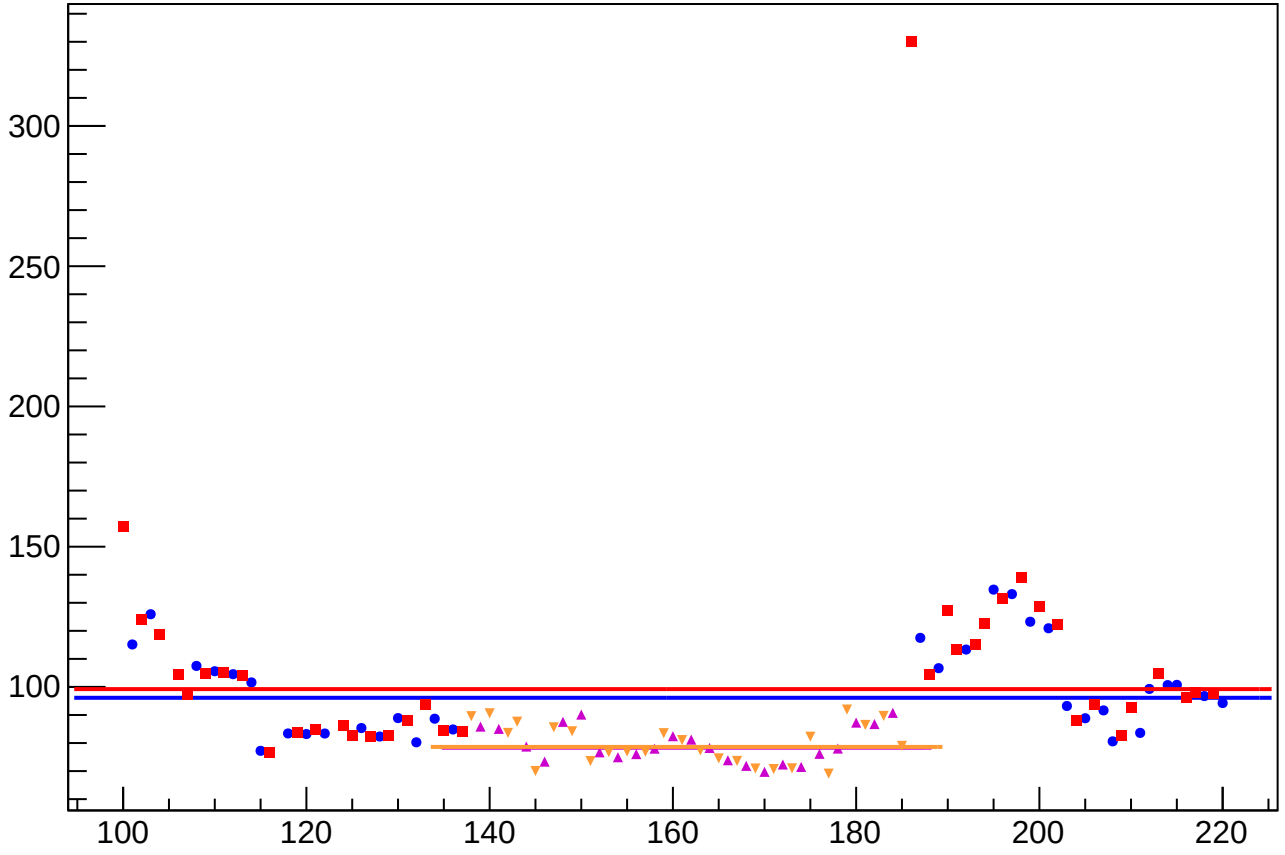
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 14.938+/-13.721 χ^2/NDF: 78.8/57

All: -3.274+/-9.822 χ^2/NDF: 156.6/117

- sign -22.415+/-14.067 χ^2/NDF: 74.1/59

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 96.133+/-0.015 χ^2/NDF: 934921.2/32

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

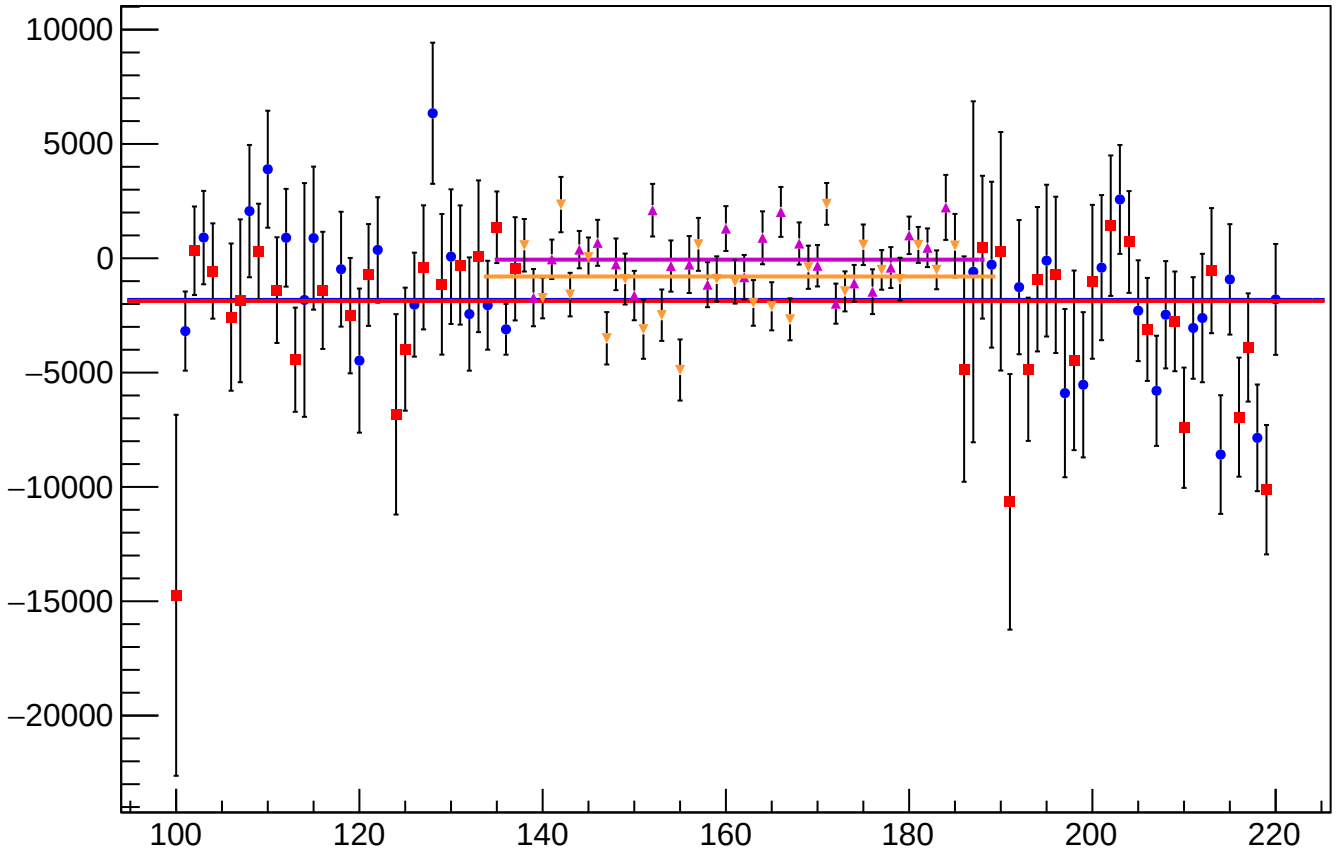
Right Out: 99.227+/-0.015 χ^2/NDF: 1413500.3/36

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 85.906+/-0.010 χ^2/NDF: 2033859.0/57

All: 86.436+/-0.007 χ^2/NDF: 4733235.9/117

- sign 86.992+/-0.010 χ^2/NDF: 2693271.7/59



Right In: -1821.450+/-421.984 χ^2/NDF: 45.8/32

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

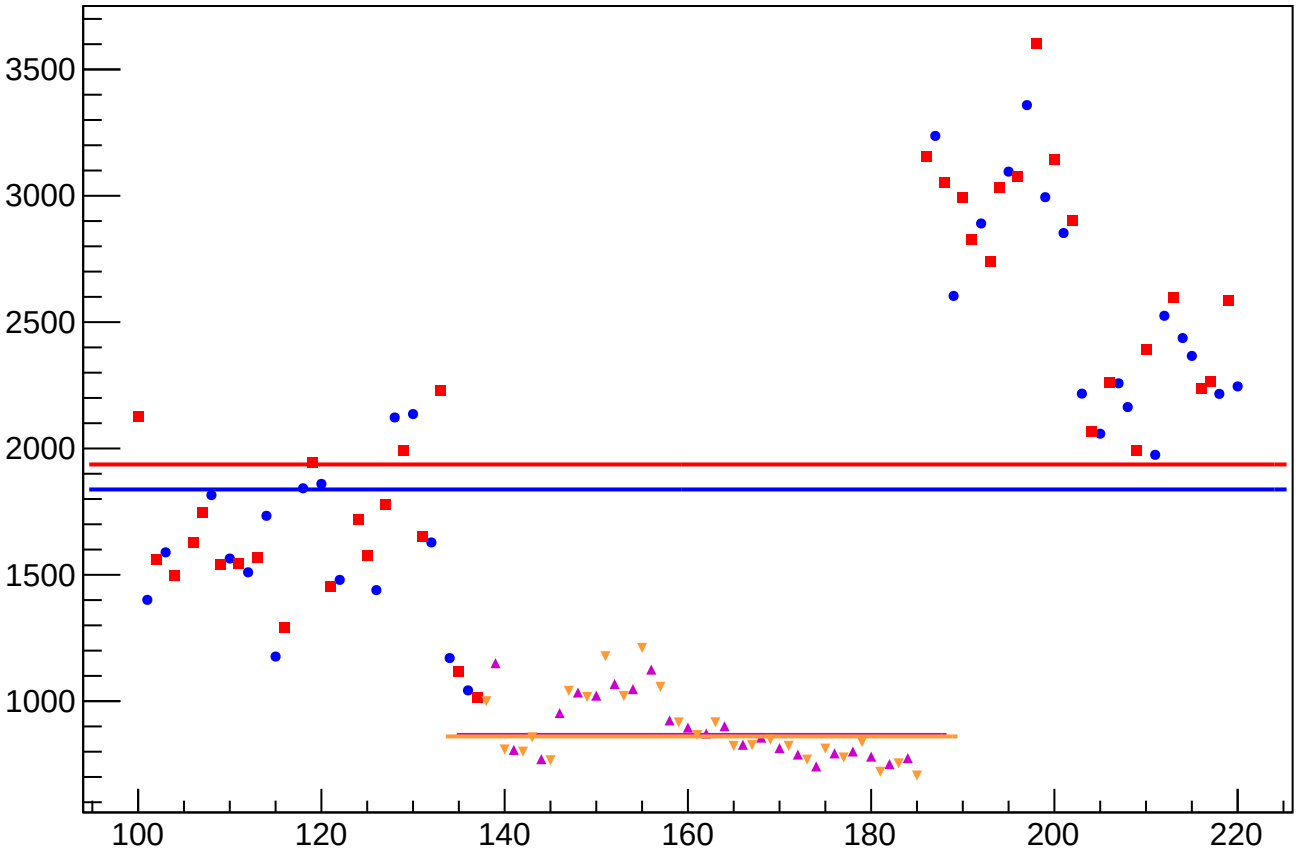
Right Out: -1866.204+/-439.456 χ^2/NDF: 40.6/36

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -981.669+/-179.163 χ^2/NDF: 110.1/57

All: -691.511+/-128.823 χ^2/NDF: 200.5/117

- sign -380.930+/-185.361 χ^2/NDF: 84.9/59



Right In: 1837.811+/-0.298 χ^2/NDF: 3863421.3/32

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1936.734+/-0.311 χ^2/NDF: 3879392.6/36

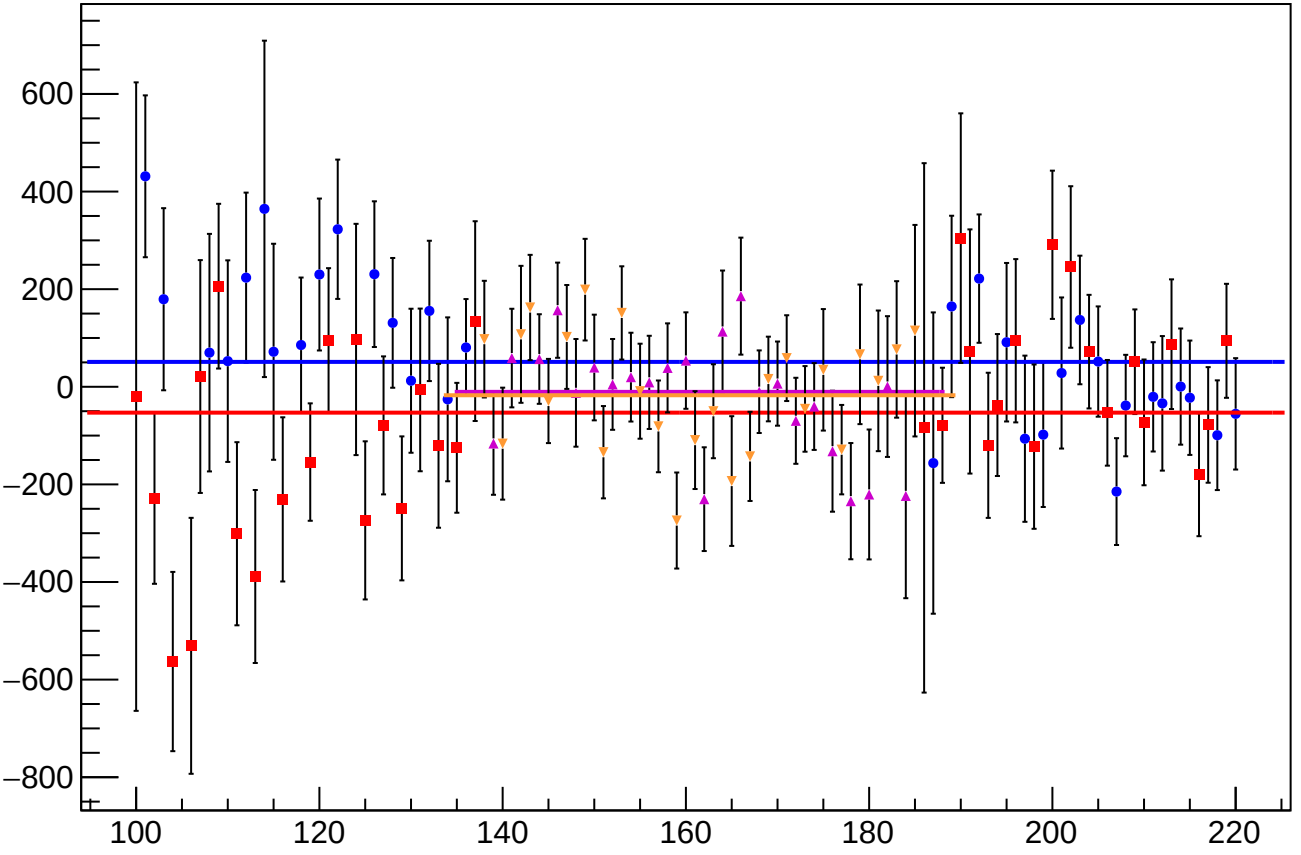
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 1036.666+/-0.127 χ^2/NDF: 13356667.2/57

All: 1046.384+/-0.091 χ^2/NDF: 27615777.7/1

- sign 1056.786+/-0.131 χ^2/NDF: 14246927.6/59

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 51.008+/-24.668 χ^2/NDF: 30.8/32

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -52.986+/-25.264 χ^2/NDF: 45.8/36

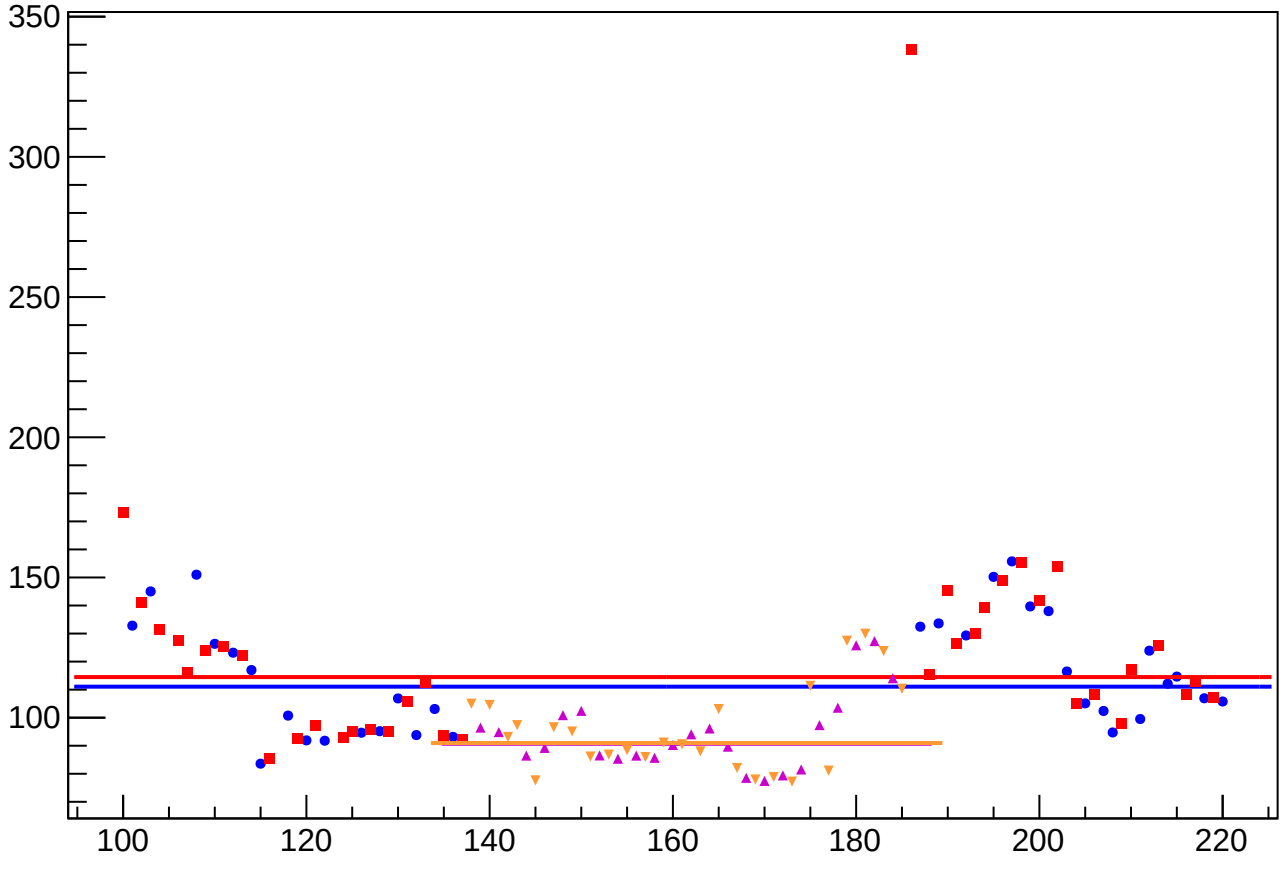
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 11.350+/-15.984 χ^2/NDF: 66.5/57

All: -7.995+/-11.438 χ^2/NDF: 139.5/117

- sign -28.297+/-16.375 χ^2/NDF: 70.1/59

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.061+/-0.017 χ^2/NDF: 1022552.4/32

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 114.482+/-0.018 χ^2/NDF: 1377595.8/36

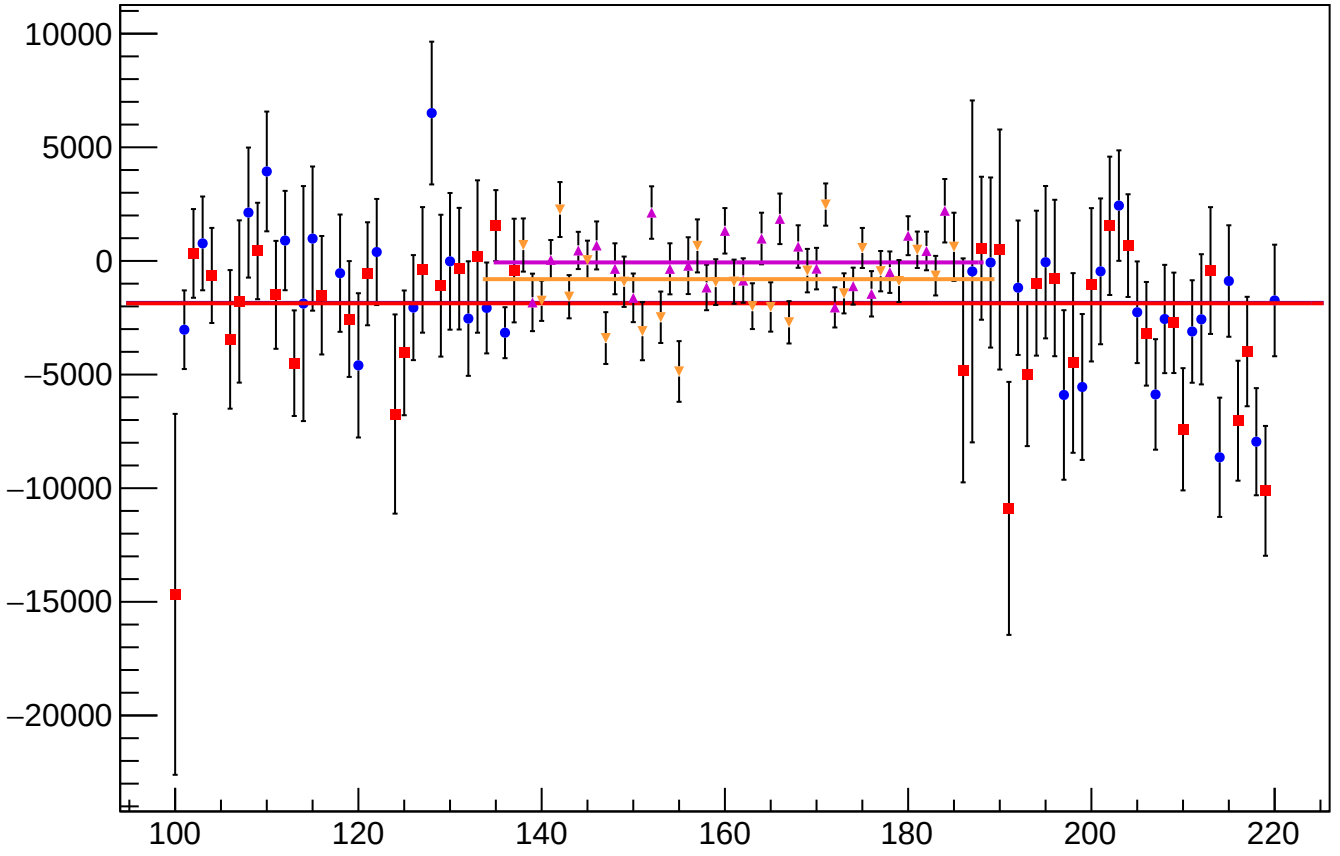
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 99.404+/-0.011 χ^2/NDF: 2576952.5/57

All: 100.029+/-0.008 χ^2/NDF: 5535362.5/117

- sign 100.685+/-0.012 χ^2/NDF: 2952144.6/59

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1847.334+/-427.784 χ^2/NDF: 45.2/32

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1863.935+/-443.898 χ^2/NDF: 41.4/36

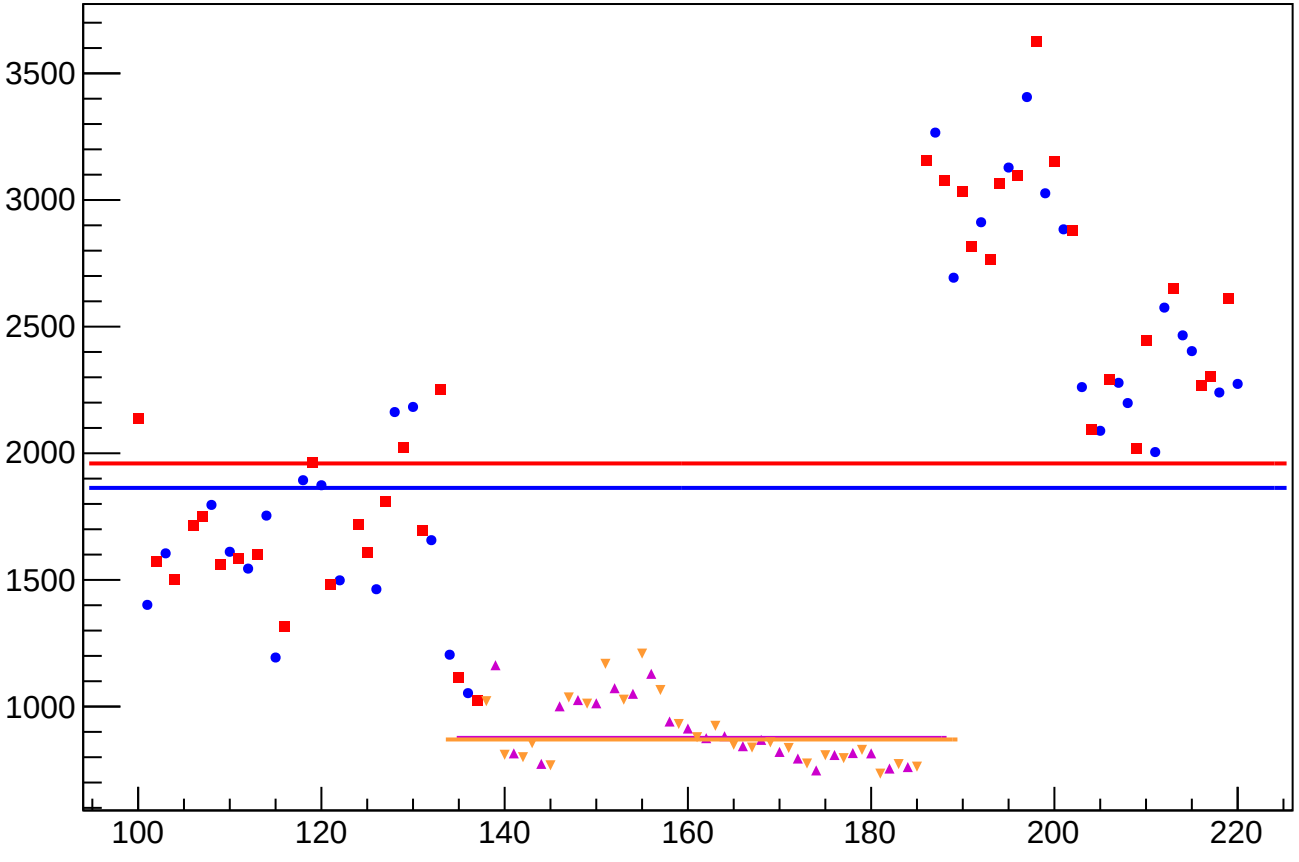
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -989.712+/-181.066 χ^2/NDF: 108.5/57

All: -698.016+/-130.203 χ^2/NDF: 199.5/117

- sign -385.676+/-187.364 χ^2/NDF: 85.6/59

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1863.312+/-0.302 χ^2/NDF: 3874259.8/32

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1959.867+/-0.314 χ^2/NDF: 3861827.9/36

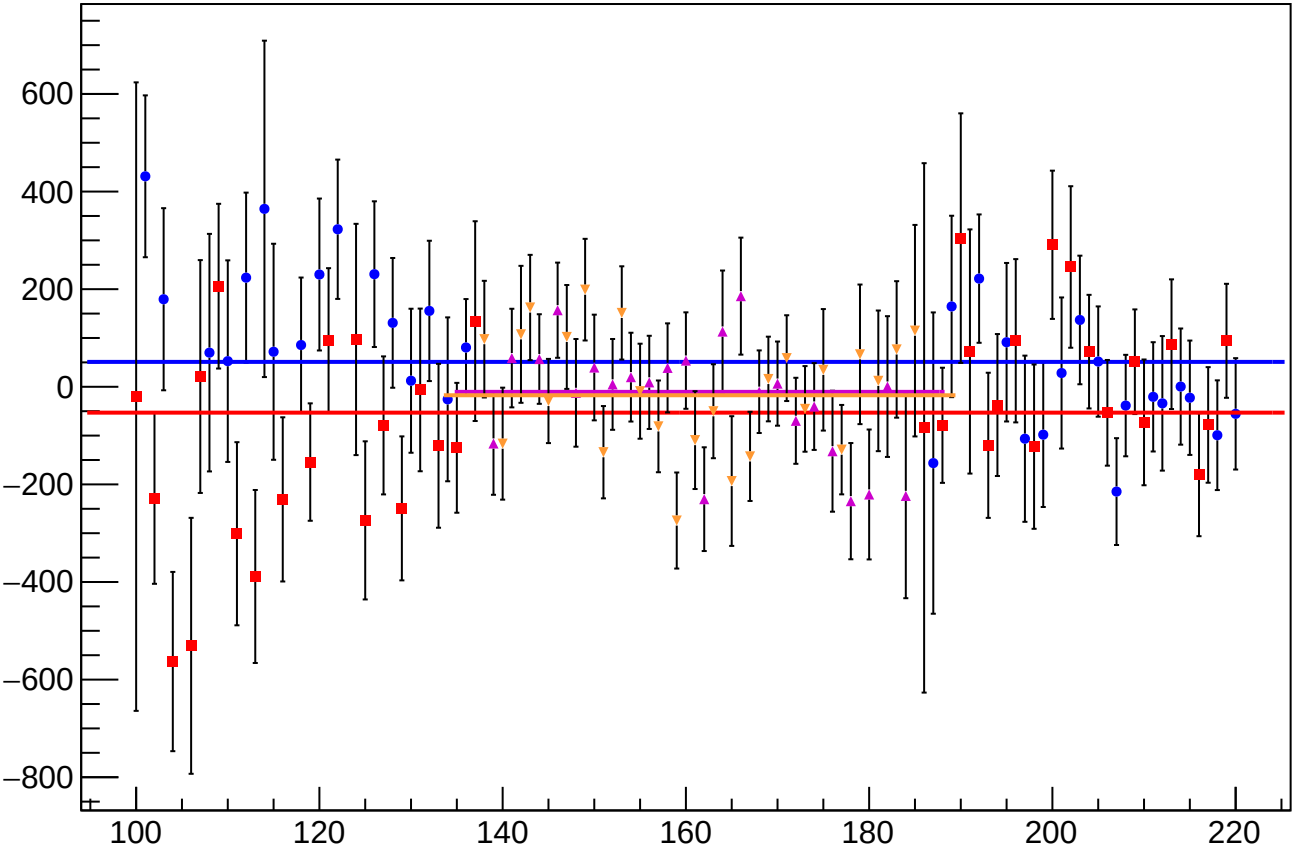
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 1047.962+/-0.128 χ^2/NDF: 13372817.8/57

All: 1058.279+/-0.092 χ^2/NDF: 27639858.1/1

- sign 1069.325+/-0.132 χ^2/NDF: 14253596.0/59

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 51.012+/-24.667 χ^2/NDF: 30.8/32

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -52.983+/-25.264 χ^2/NDF: 45.8/36

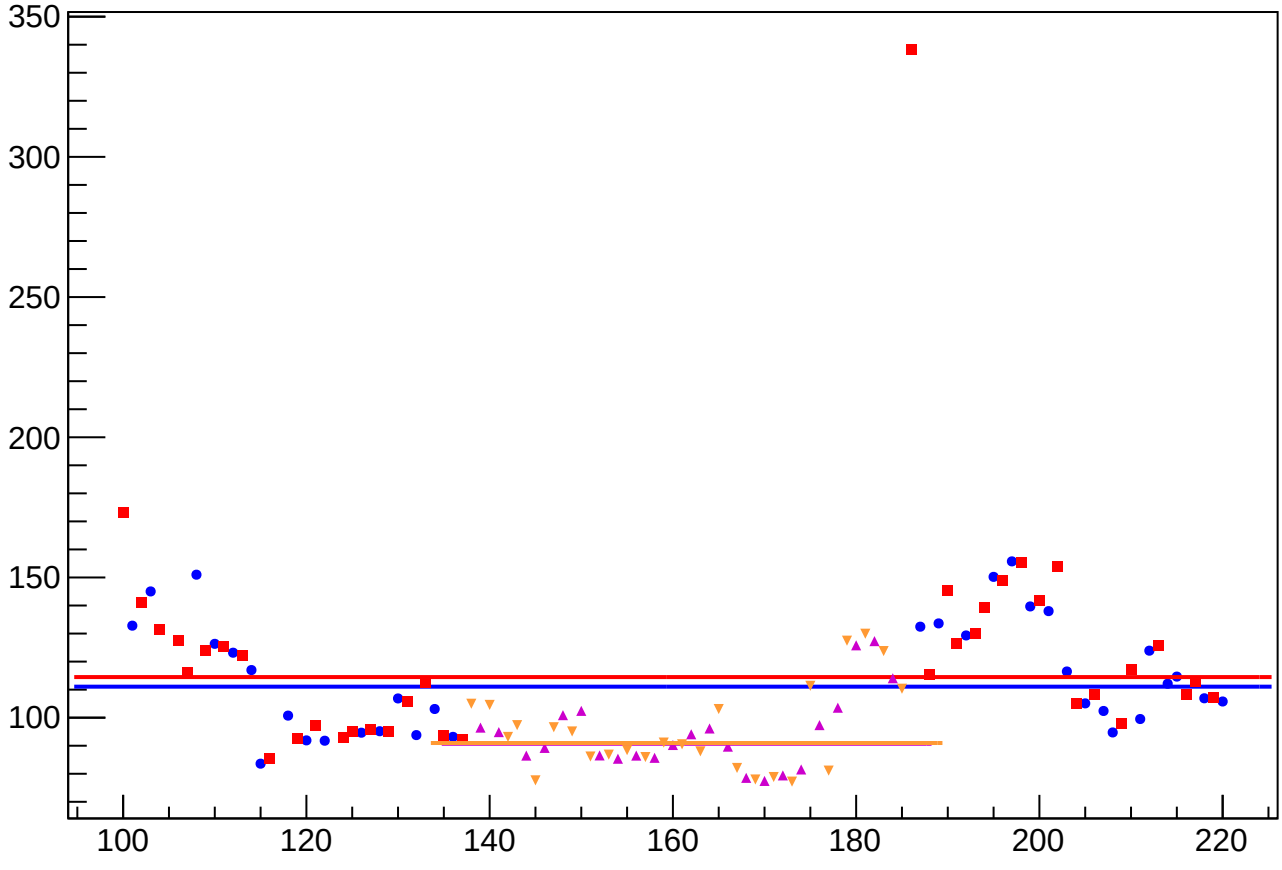
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 11.351+/-15.984 χ^2/NDF: 66.5/57

All: -7.994+/-11.438 χ^2/NDF: 139.5/117

- sign -28.296+/-16.375 χ^2/NDF: 70.1/59

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 111.060+/-0.017 χ^2/NDF: 1022567.5/32

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

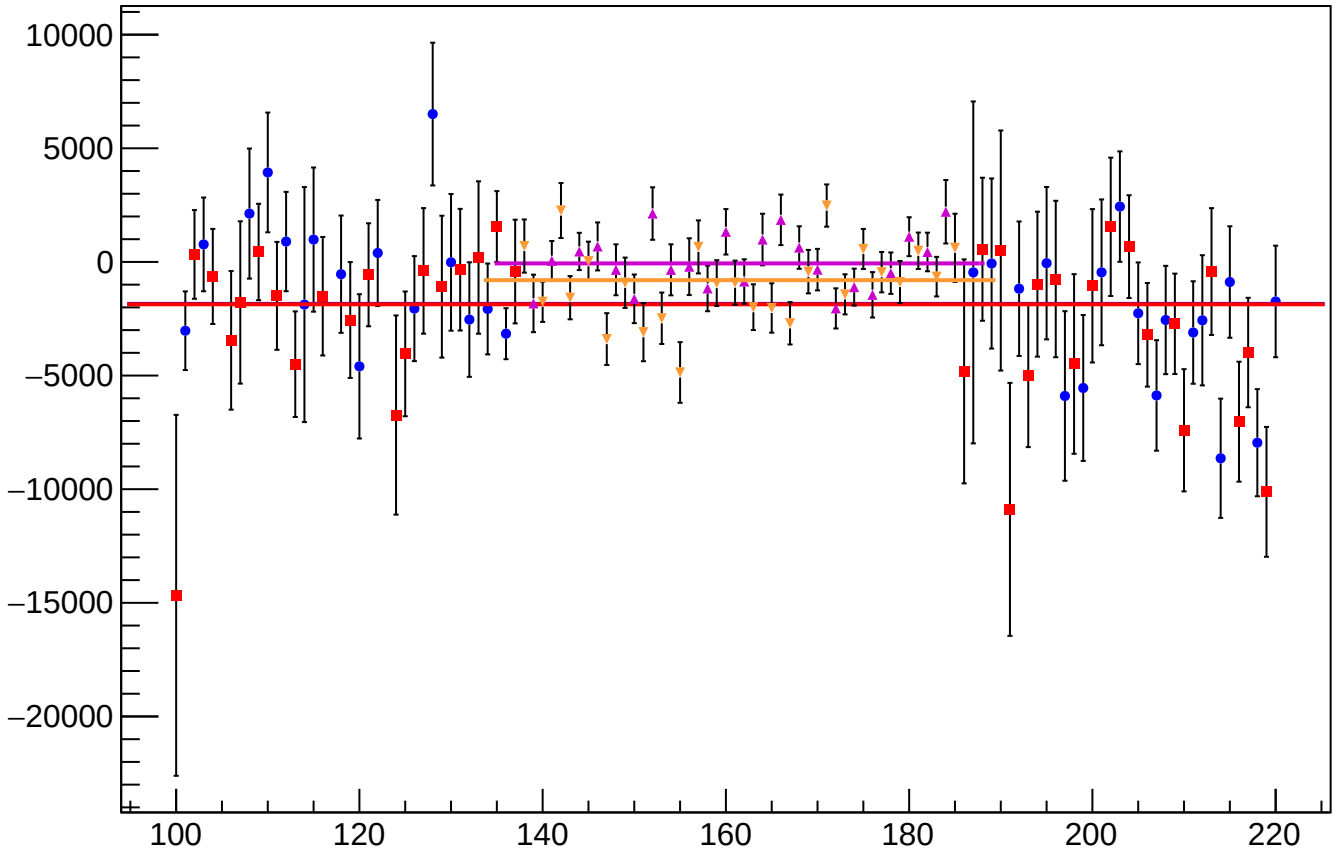
Right Out: 114.482+/-0.018 χ^2/NDF: 1377614.9/36

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 99.404+/-0.011 χ^2/NDF: 2576926.9/57

All: 100.029+/-0.008 χ^2/NDF: 5535317.9/117

- sign 100.685+/-0.012 χ^2/NDF: 2952125.9/59



Right In: -1847.329+/-427.784 χ^2/NDF: 45.2/32

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

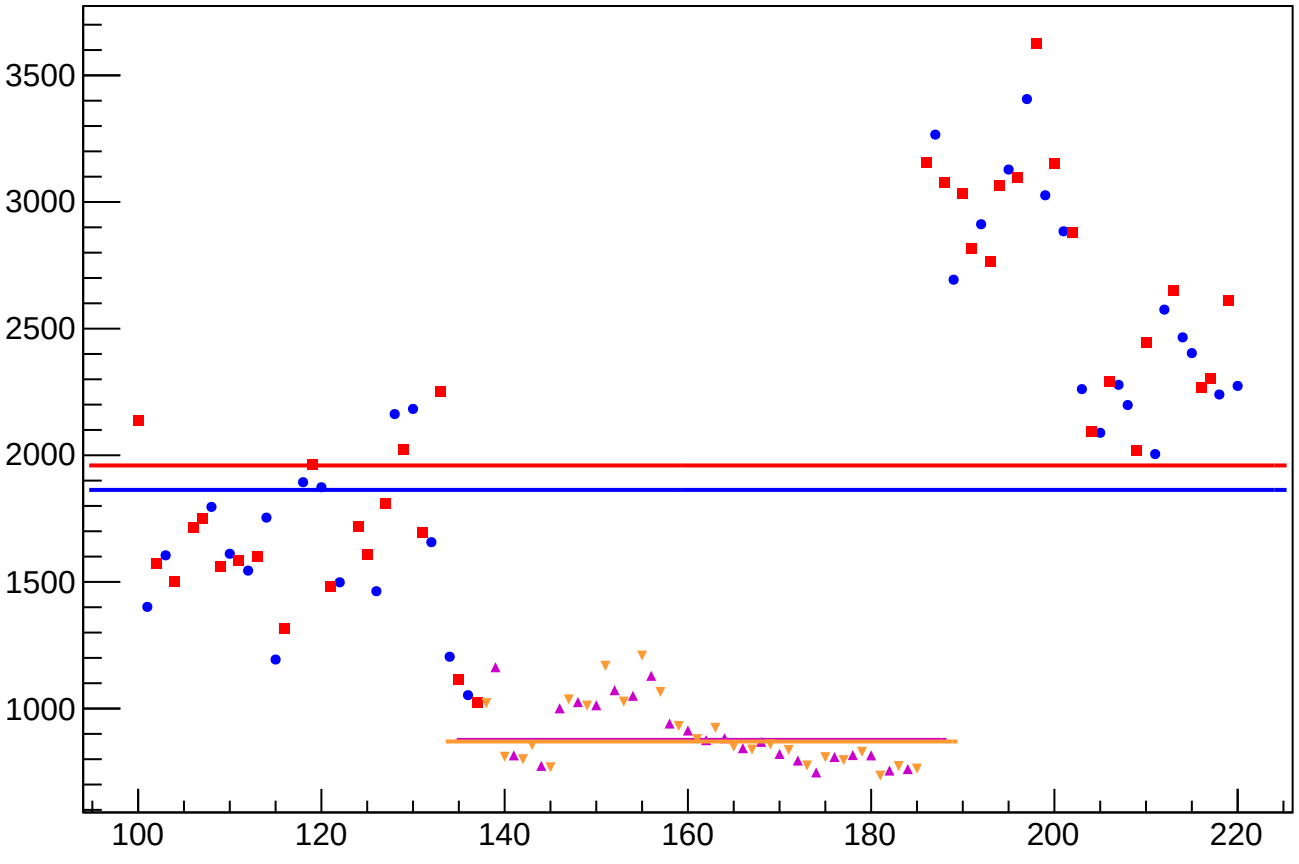
Right Out: -1863.931+/-443.897 χ^2/NDF: 41.4/36

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -989.710+/-181.066 χ^2/NDF: 108.5/57

All: -698.015+/-130.203 χ^2/NDF: 199.5/117

- sign -385.675+/-187.364 χ^2/NDF: 85.6/59



Right In: 1863.310+/-0.302 χ^2/NDF: 3874269.1/32

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

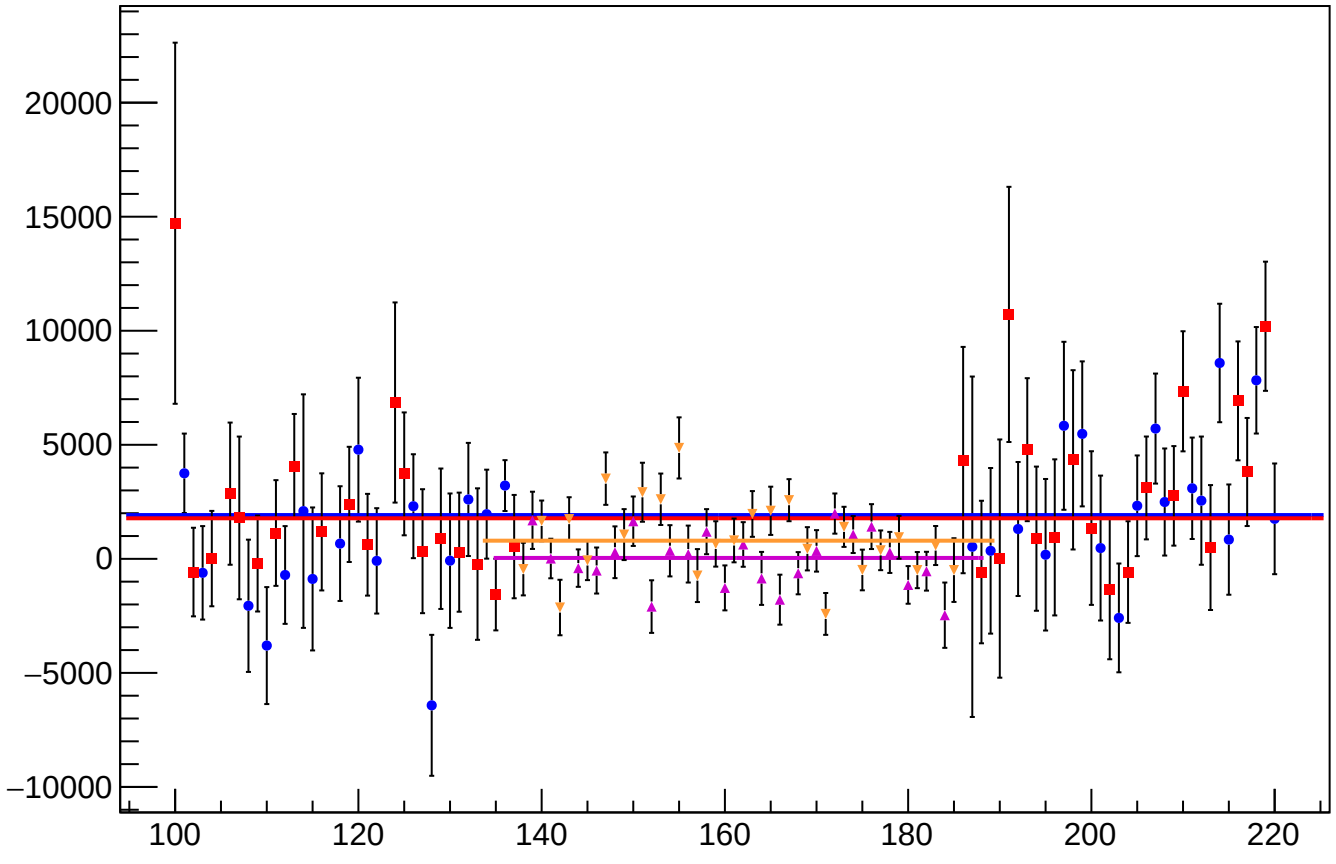
Right Out: 1959.864+/-0.314 χ^2/NDF: 3861842.1/36

Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 1047.961+/-0.128 χ^2/NDF: 13372815.8/57

All: 1058.278+/-0.092 χ^2/NDF: 27639858.2/1

- sign 1069.324+/-0.132 χ^2/NDF: 14253598.3/59



Right In: 1919.731+/-422.824 χ^2/NDF: 45.6/32

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1777.859+/-439.914 χ^2/NDF: 40.9/36

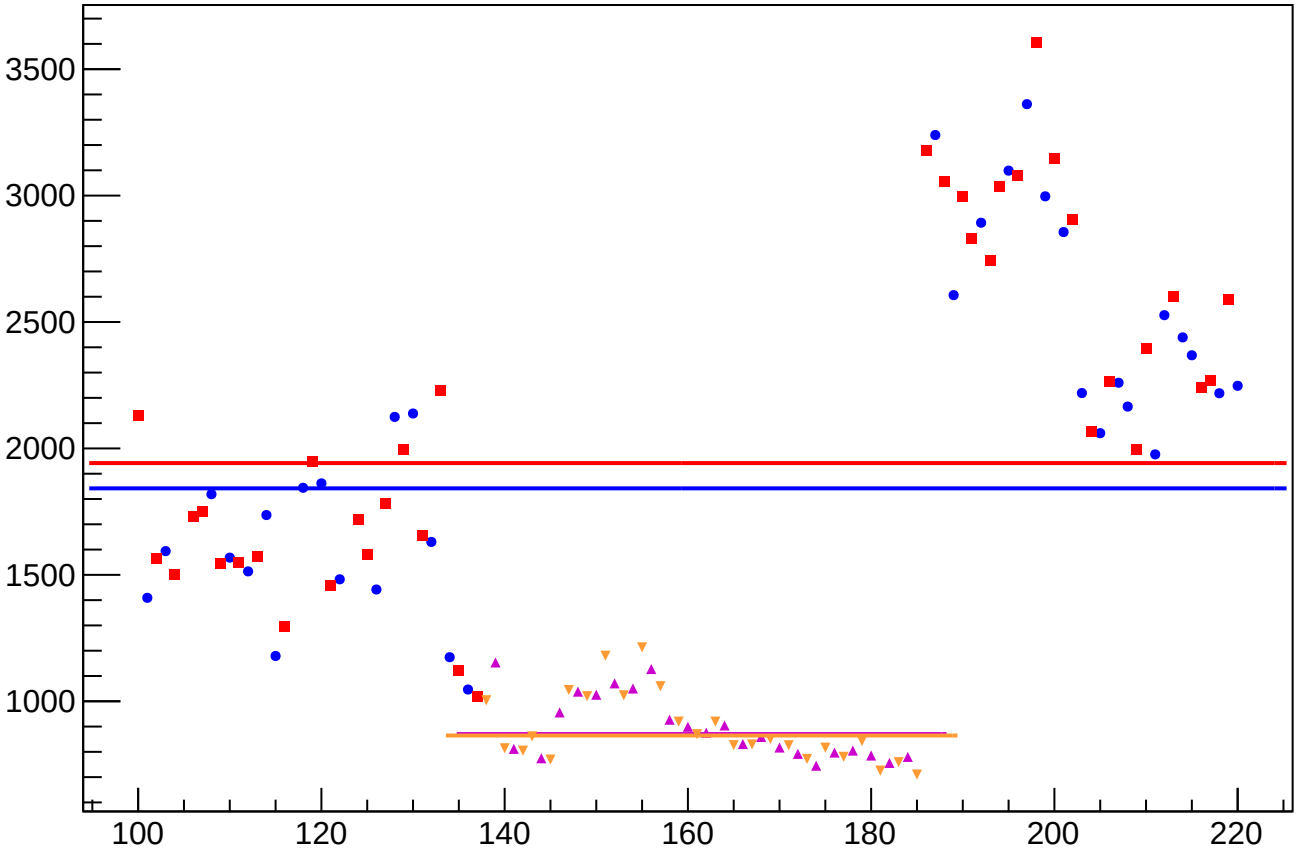
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 999.679+/-179.908 χ^2/NDF: 108.6/57

All: 686.129+/-129.340 χ^2/NDF: 198.4/117

- sign 350.716+/-186.075 χ^2/NDF: 83.5/59

asym_sam_24_68_dd_rms vs Slug



Right In: 1842.102+/-0.299 χ^2/NDF: 3838641.9/32

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

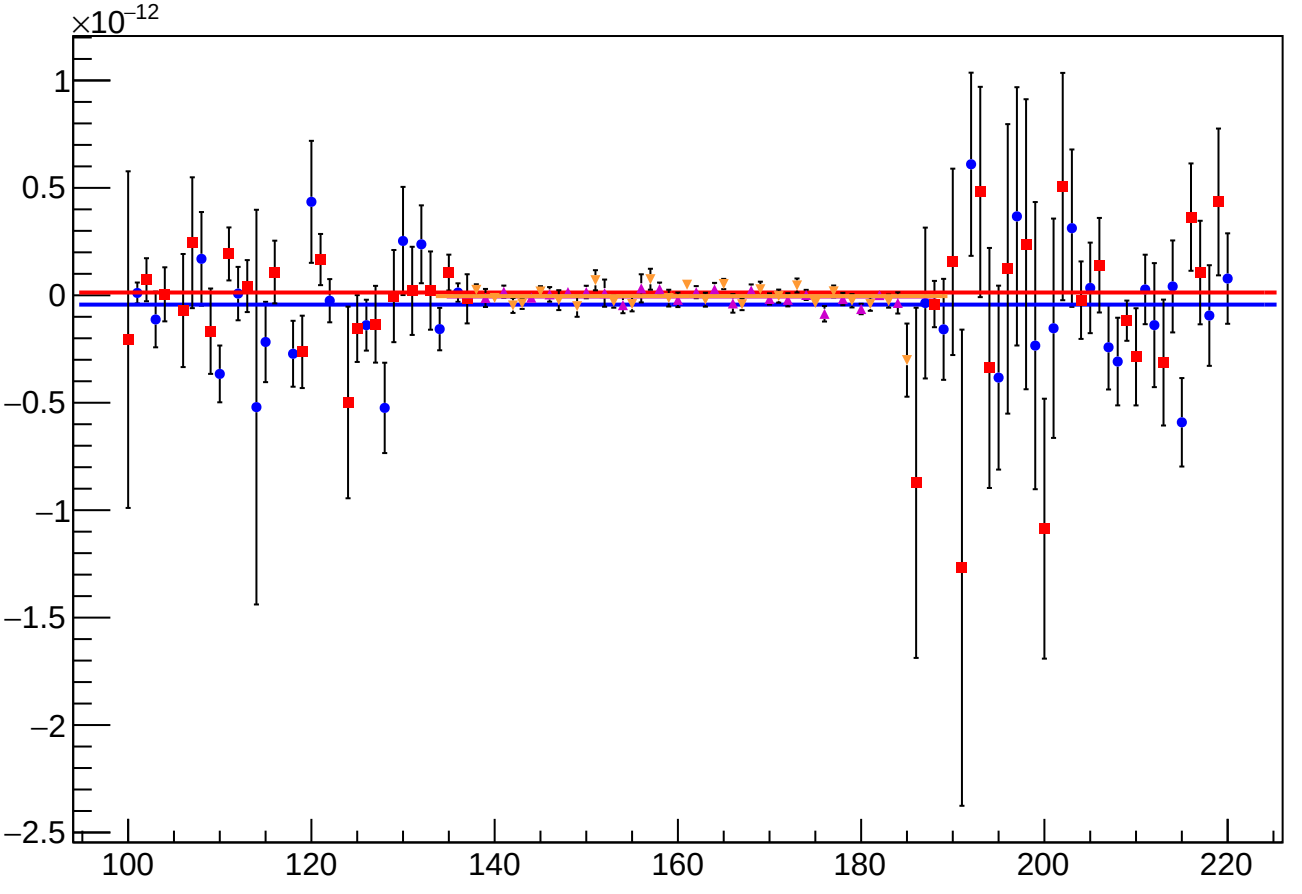
Right Out: 1942.032+/-0.311 χ^2/NDF: 3854609.0/36

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 1041.600+/-0.127 χ^2/NDF: 13280927.0/57

All: 1051.497+/-0.091 χ^2/NDF: 27498405.6/1

- sign 1062.084+/-0.132 χ^2/NDF: 14204952.2/59



Right In: -0.000+/-0.000 χ^2/NDF: 43.1/32

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

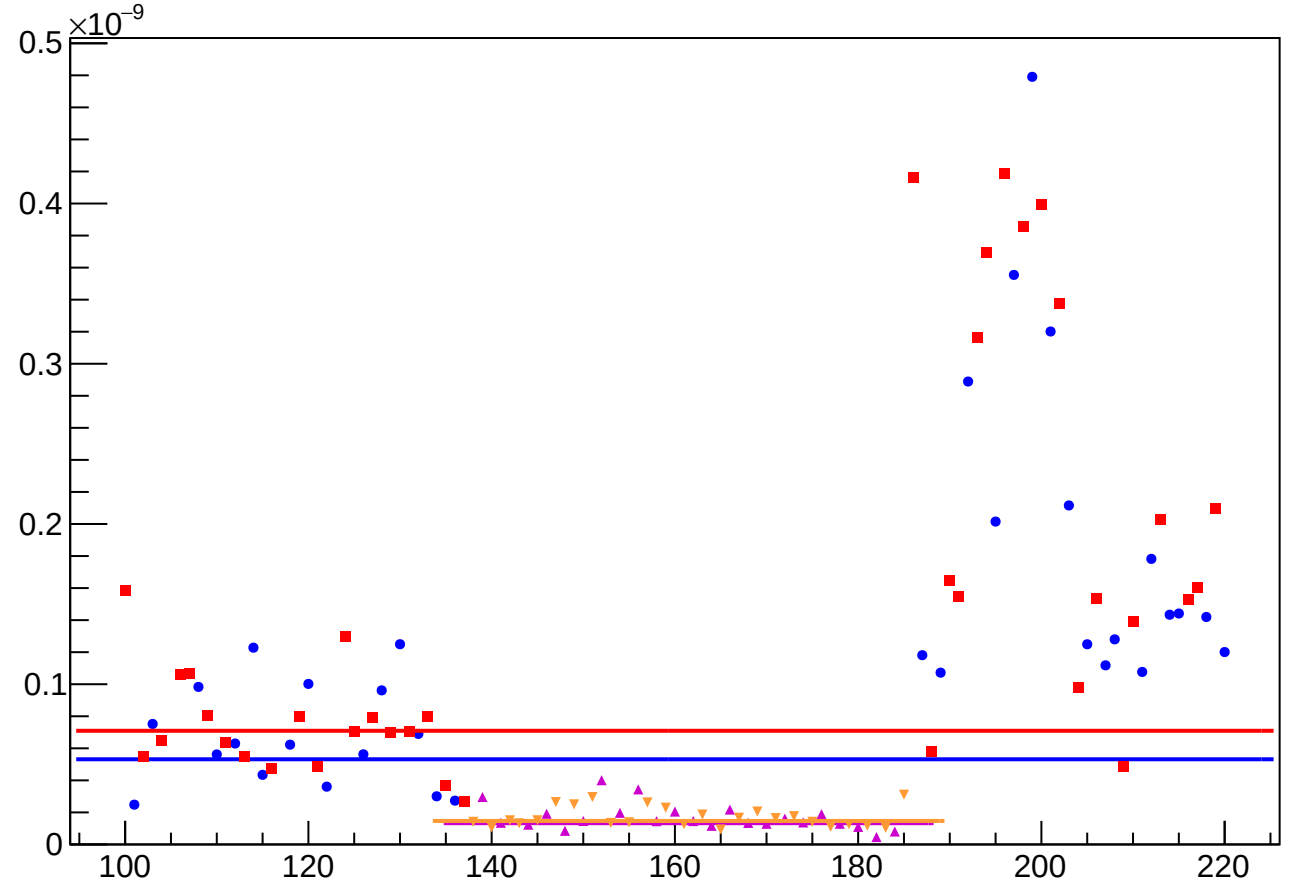
Right Out: 0.000+/-0.000 χ^2/NDF: 30.8/36

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 84.5/57

All: -0.000+/-0.000 χ^2/NDF: 136.4/117

- sign -0.000+/-0.000 χ^2/NDF: 51.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 7851576.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

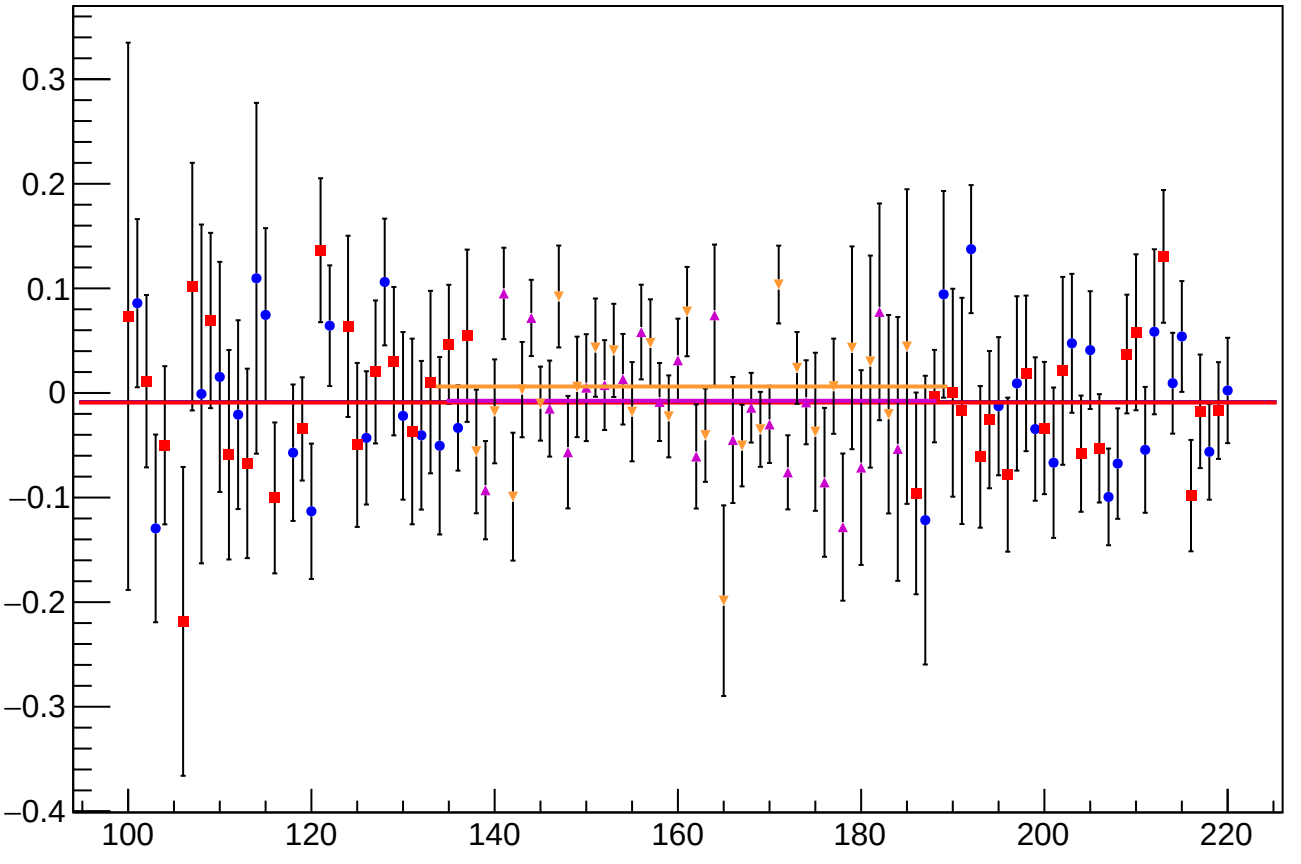
Right Out: 0.000+/-0.000 χ^2/NDF: 6480825.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 14085433.0/57

All: 0.000+/-0.000 χ^2/NDF: 30404087.4/117

- sign 0.000+/-0.000 χ^2/NDF: 16263784.3/59



Right In: -0.009+/-0.011 χ^2/NDF: 33.1/32

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.009+/-0.011 χ^2/NDF: 27.8/36

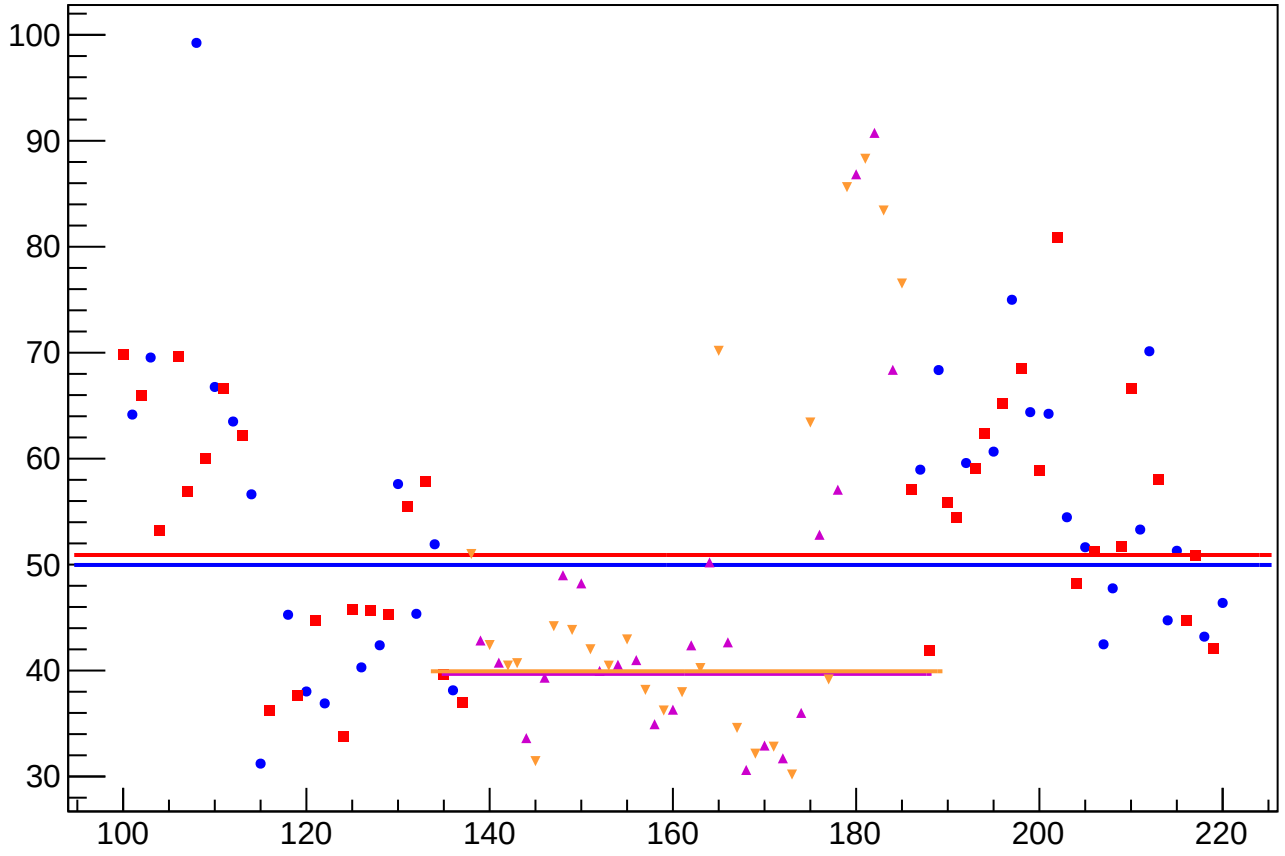
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.000+/-0.007 χ^2/NDF: 64.9/57

All: -0.004+/-0.005 χ^2/NDF: 123.8/117

- sign -0.008+/-0.007 χ^2/NDF: 58.3/59

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 49.966+/-0.008 χ^2/NDF: 1803423.3/32

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

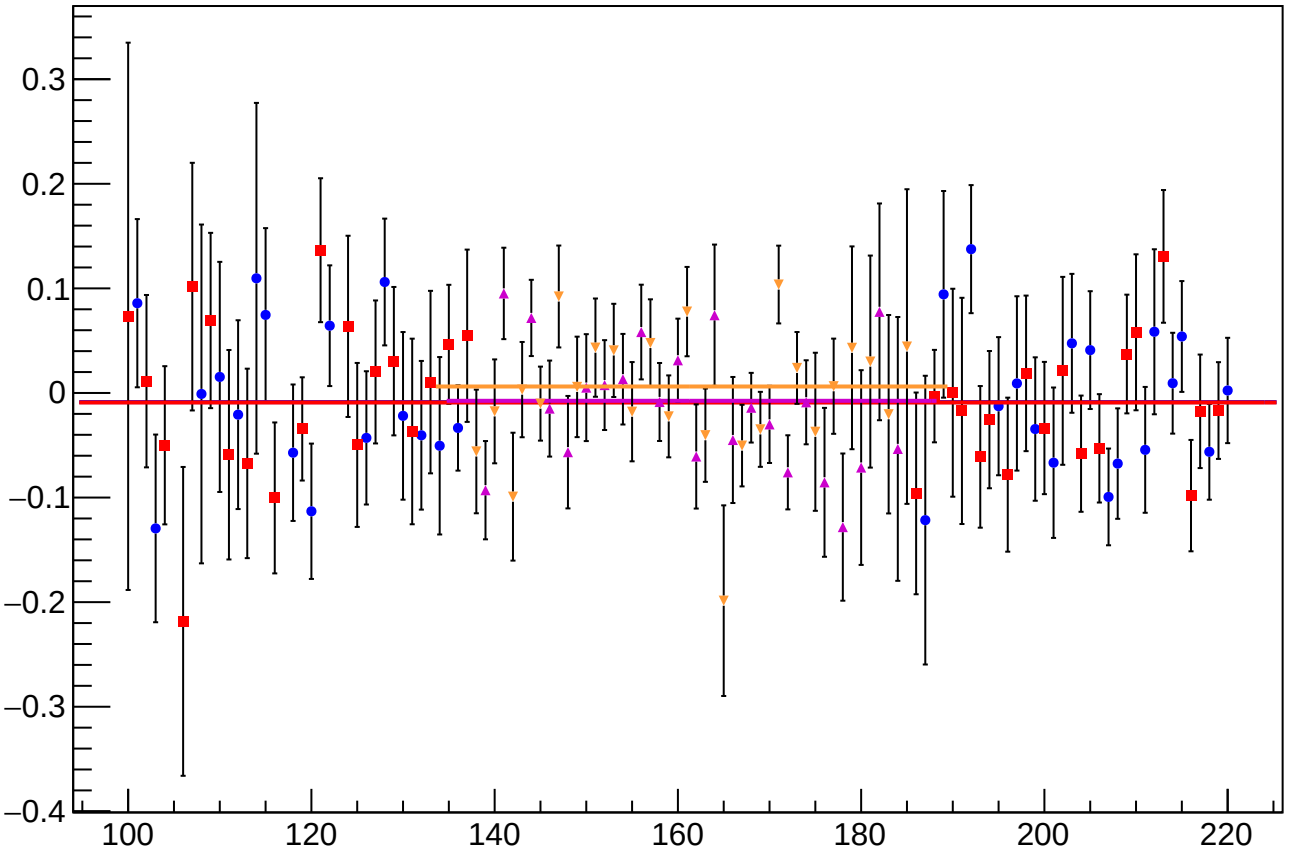
Right Out: 50.907+/-0.008 χ^2/NDF: 1575642.8/36

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 44.098+/-0.005 χ^2/NDF: 5192038.1/57

All: 44.258+/-0.004 χ^2/NDF: 9798066.9/117

- sign 44.423+/-0.005 χ^2/NDF: 4604093.2/59



Right In: -0.009+/-0.011 χ^2/NDF: 33.1/32

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

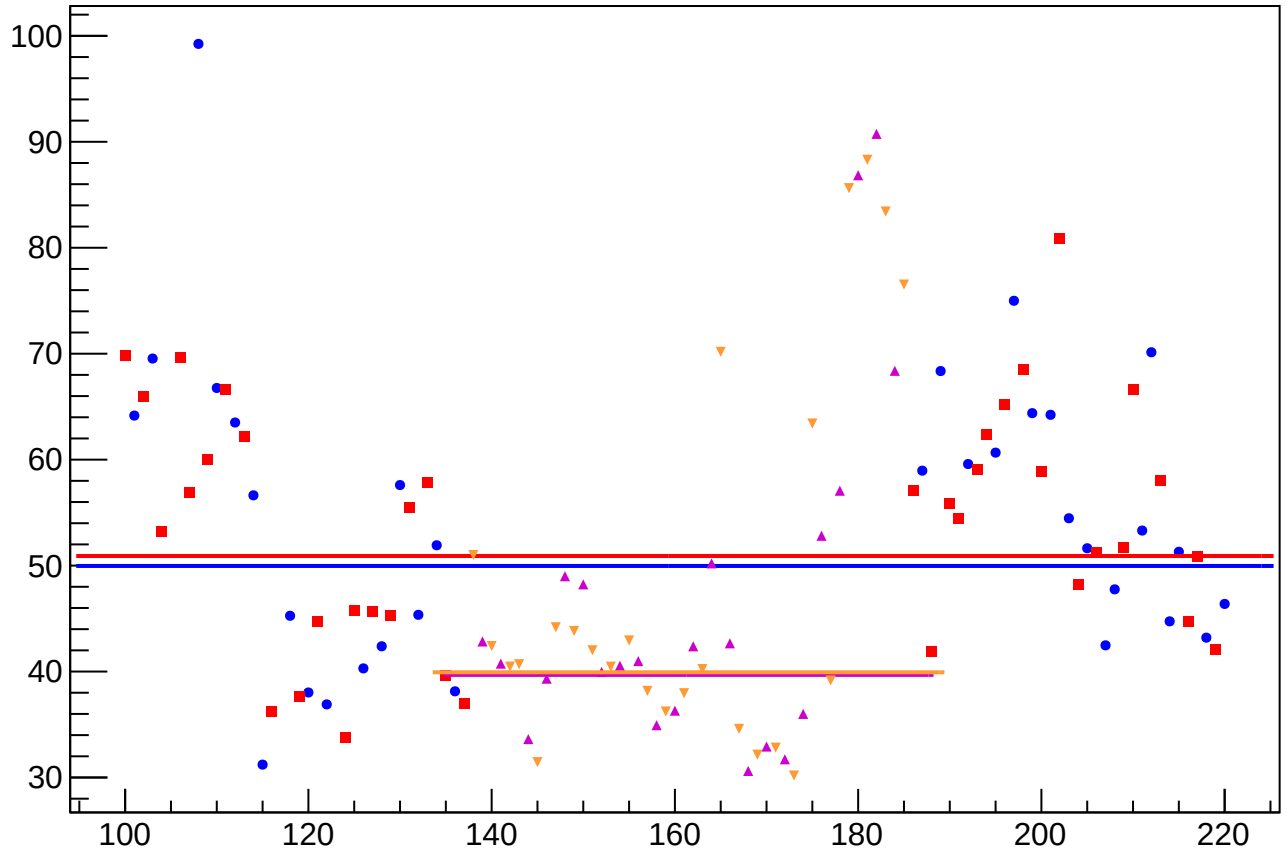
Right Out: -0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.000+/-0.007 χ^2/NDF: 64.9/57

All: -0.004+/-0.005 χ^2/NDF: 123.8/117

- sign -0.008+/-0.007 χ^2/NDF: 58.3/59



Right In: 49.966+/-0.008 χ^2/NDF: 1803423.3/32

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

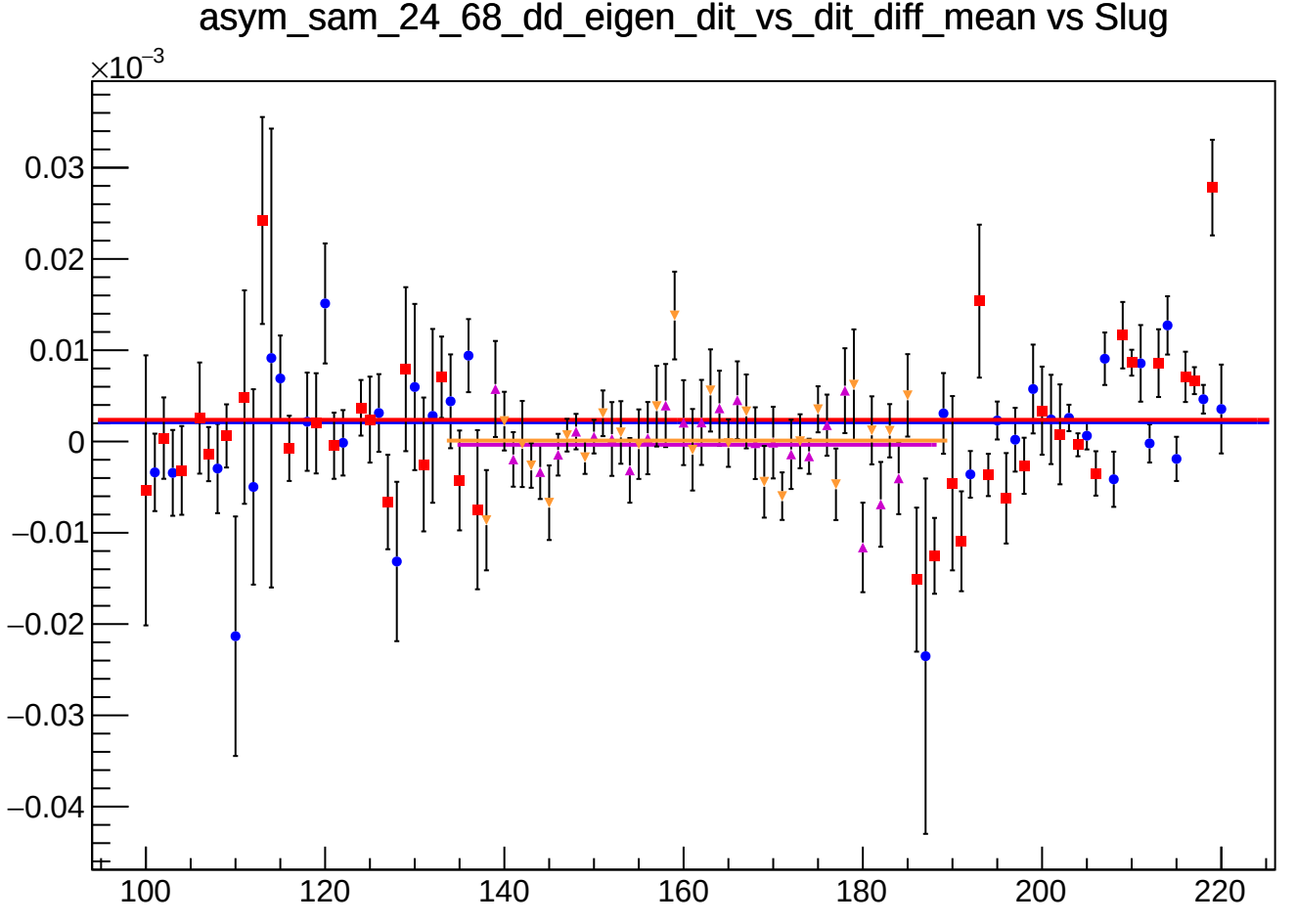
Right Out: 50.907+/-0.008 χ^2/NDF: 1575642.8/36

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 44.098+/-0.005 χ^2/NDF: 5192038.1/57

All: 44.258+/-0.004 χ^2/NDF: 9798066.9/117

- sign 44.423+/-0.005 χ^2/NDF: 4604093.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 58.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

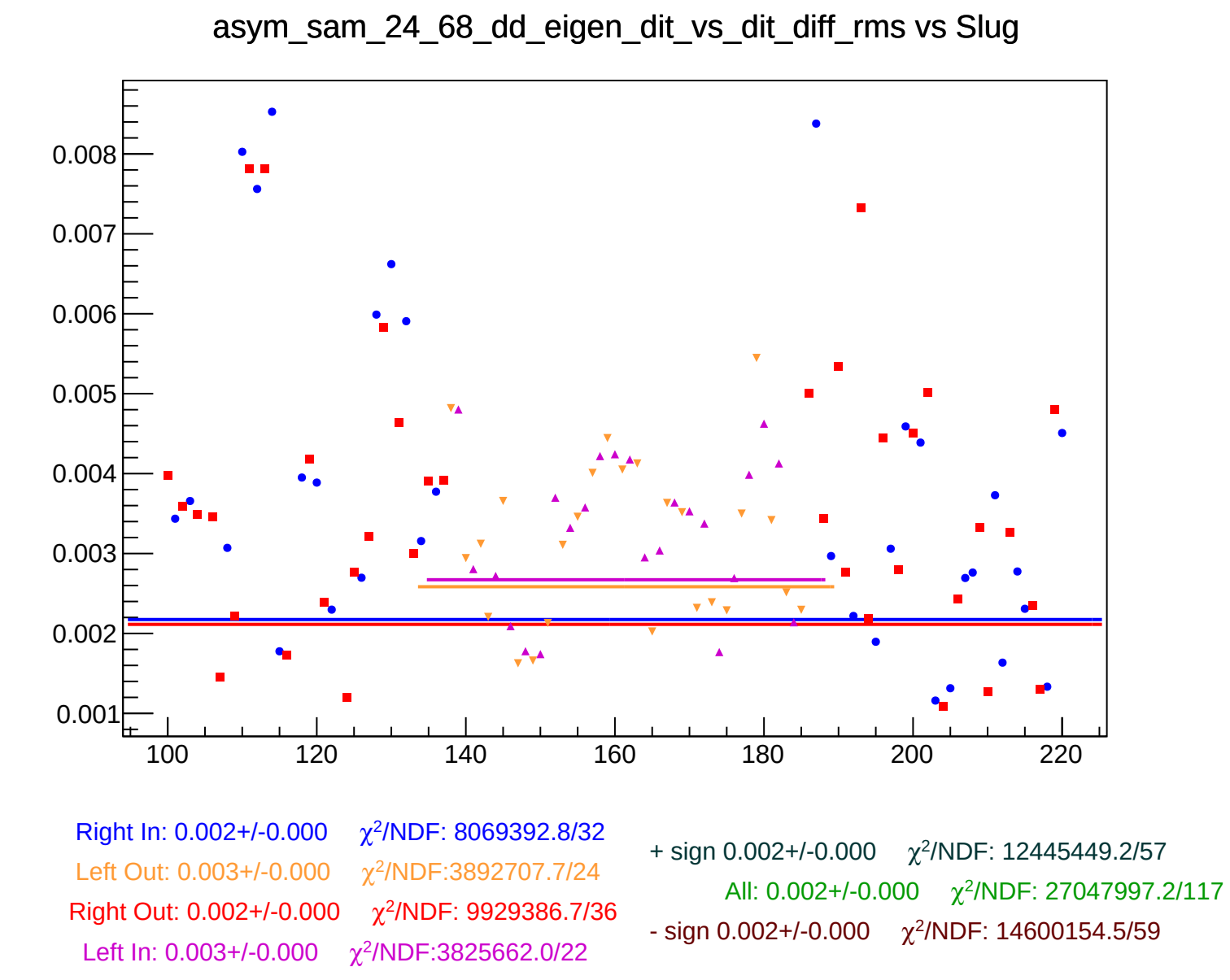
Right Out: 0.000+/-0.000 χ^2/NDF: 130.2/36

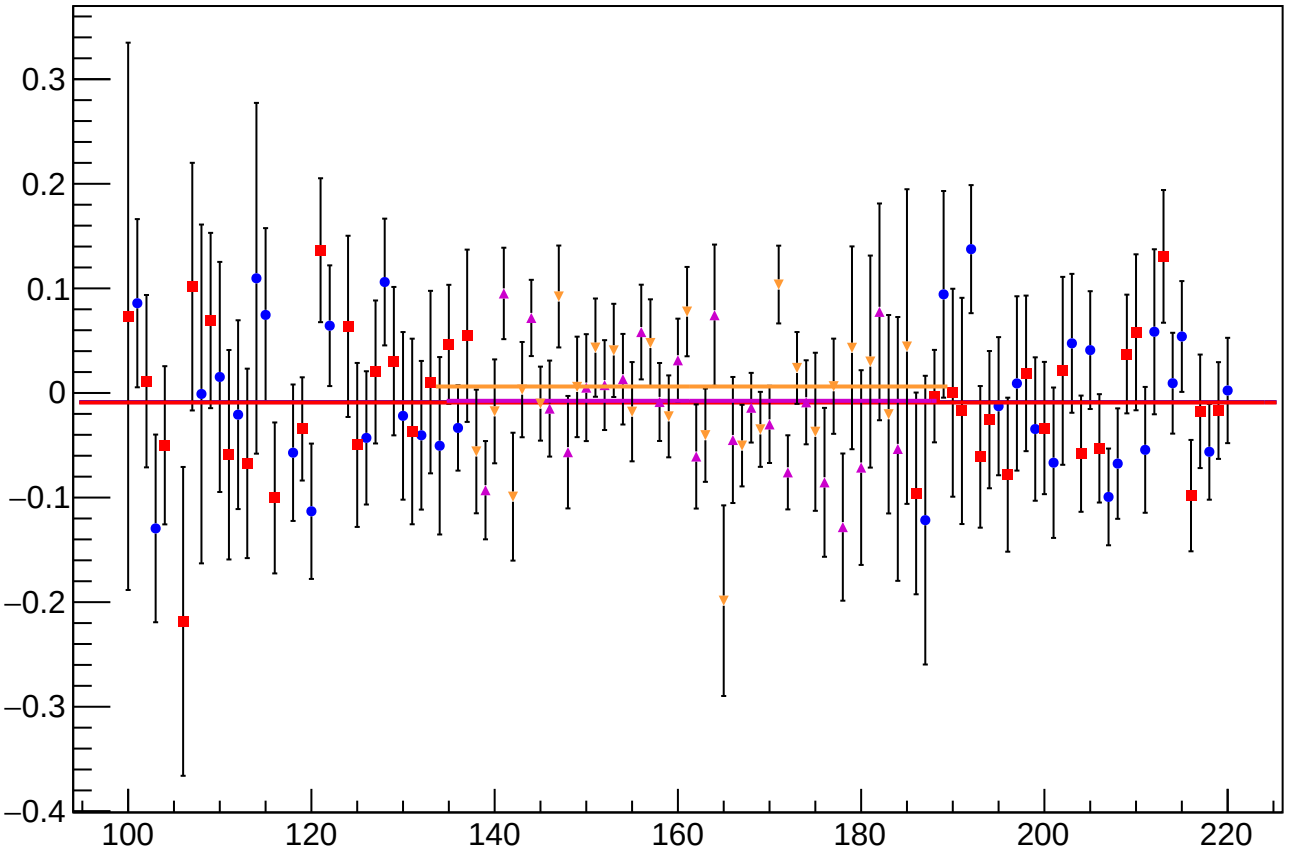
Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 97.9/57

All: 0.000+/-0.000 χ^2/NDF: 256.9/117

- sign 0.000+/-0.000 χ^2/NDF: 159.0/59


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.008
0.007
0.006
0.005
0.004
0.003
0.002
0.001
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 8069392.8/32
Left Out: 0.003+/-0.000 χ²/NDF:3892707.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 9929386.7/36
Left In: 0.003+/-0.000 χ²/NDF:3825662.0/22
+ sign 0.002+/-0.000 χ²/NDF: 12445449.2/57
All: 0.002+/-0.000 χ²/NDF: 27047997.2/117
- sign 0.002+/-0.000 χ²/NDF: 14600154.5/59



Right In: -0.009+/-0.011 χ^2/NDF: 33.1/32

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

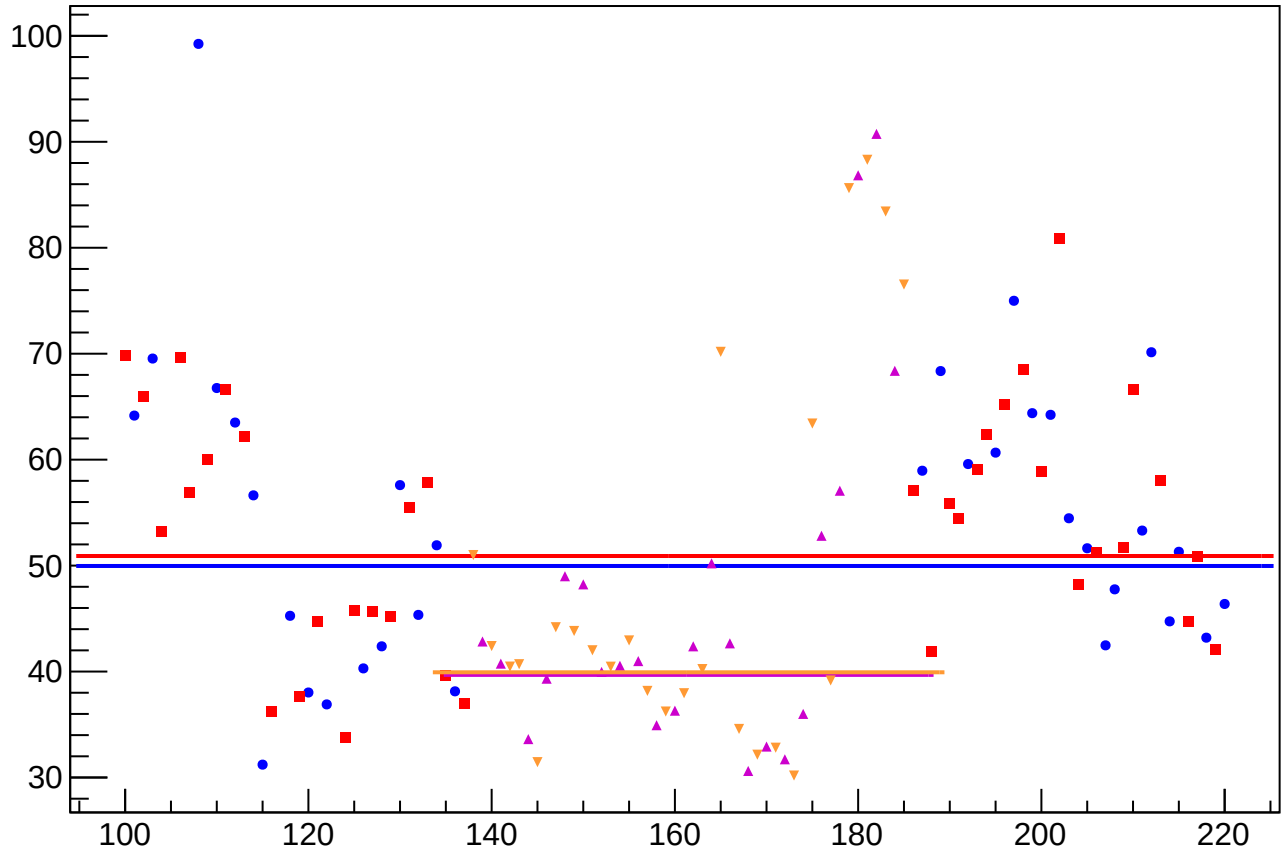
Right Out: -0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.000+/-0.007 χ^2/NDF: 64.9/57

All: -0.004+/-0.005 χ^2/NDF: 123.8/117

- sign -0.008+/-0.007 χ^2/NDF: 58.3/59



Right In: 49.965+/-0.008 χ^2/NDF: 1803510.4/32

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

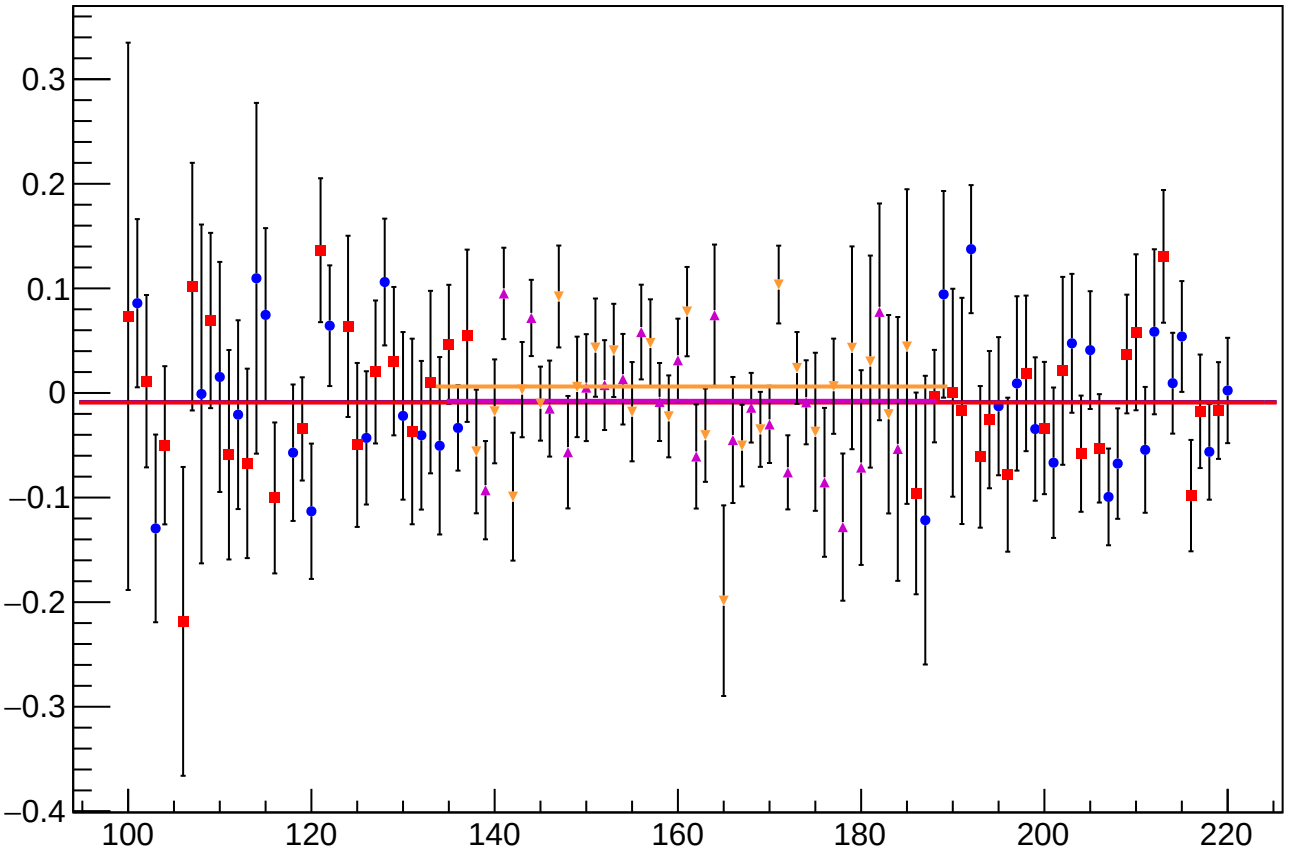
Right Out: 50.906+/-0.008 χ^2/NDF: 1575710.6/36

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 44.098+/-0.005 χ^2/NDF: 5191960.5/57

All: 44.257+/-0.004 χ^2/NDF: 9797994.0/117

- sign 44.422+/-0.005 χ^2/NDF: 4604098.6/59



Right In: -0.009+/-0.011 χ^2/NDF: 33.1/32

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

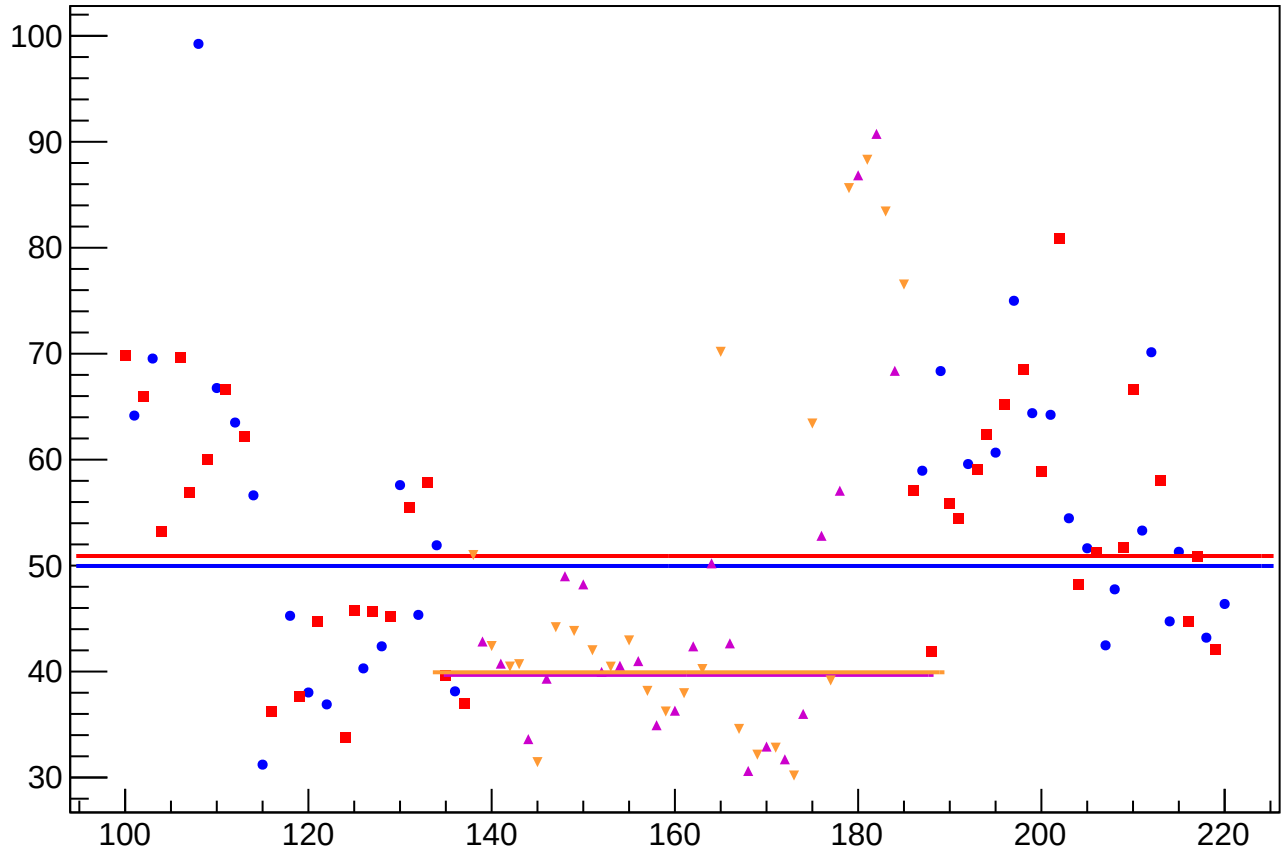
Right Out: -0.009+/-0.011 χ^2/NDF: 27.8/36

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign -0.000+/-0.007 χ^2/NDF: 64.9/57

All: -0.004+/-0.005 χ^2/NDF: 123.8/117

- sign -0.008+/-0.007 χ^2/NDF: 58.3/59



Right In: 49.965+/-0.008 χ^2/NDF: 1803510.4/32

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

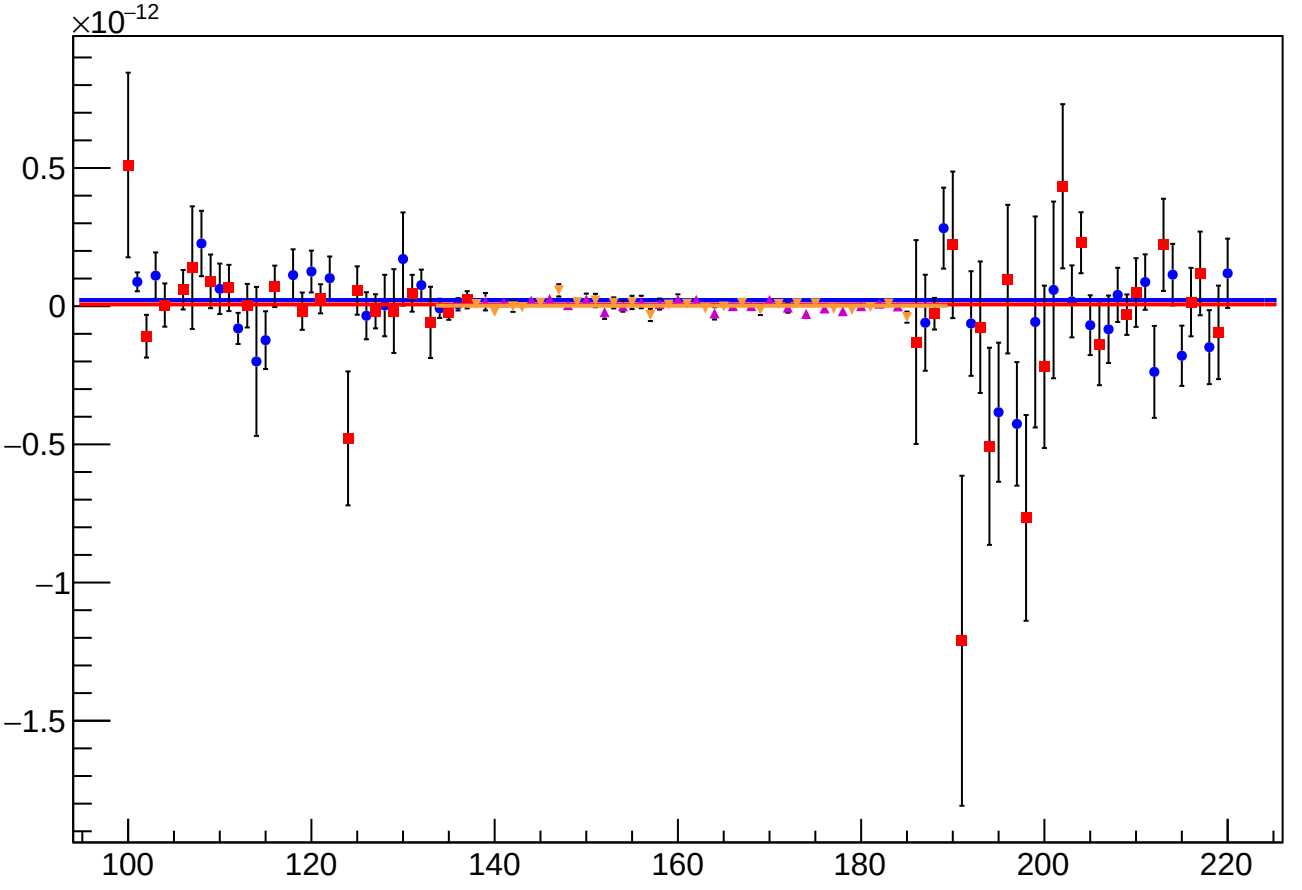
Right Out: 50.906+/-0.008 χ^2/NDF: 1575710.6/36

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 44.098+/-0.005 χ^2/NDF: 5191960.5/57

All: 44.257+/-0.004 χ^2/NDF: 9797994.0/117

- sign 44.422+/-0.005 χ^2/NDF: 4604098.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 42.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

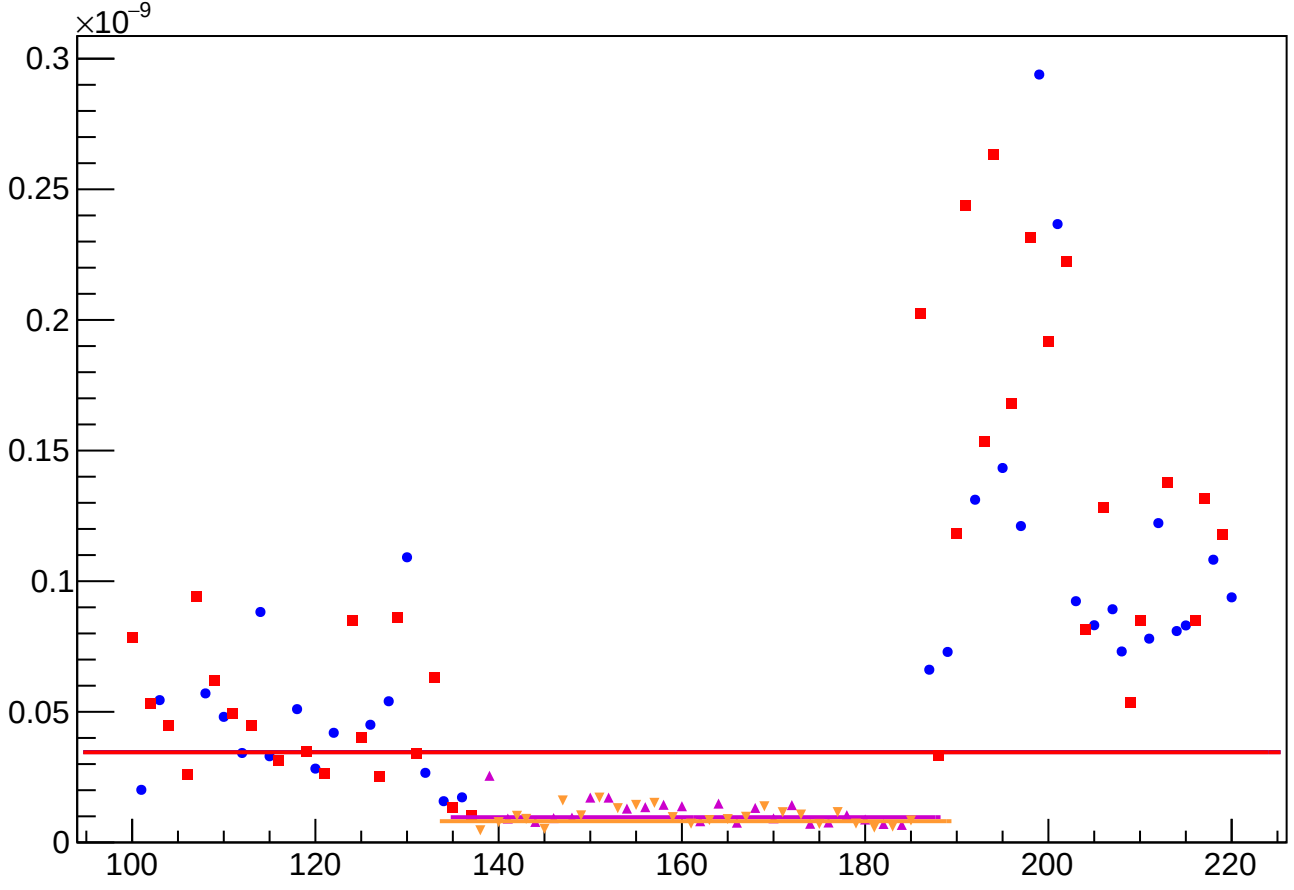
Right Out: 0.000+/-0.000 χ^2/NDF: 36.8/36

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.7/57

All: 0.000+/-0.000 χ^2/NDF: 137.2/117

- sign 0.000+/-0.000 χ^2/NDF: 64.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 10421490.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12193763.7/36

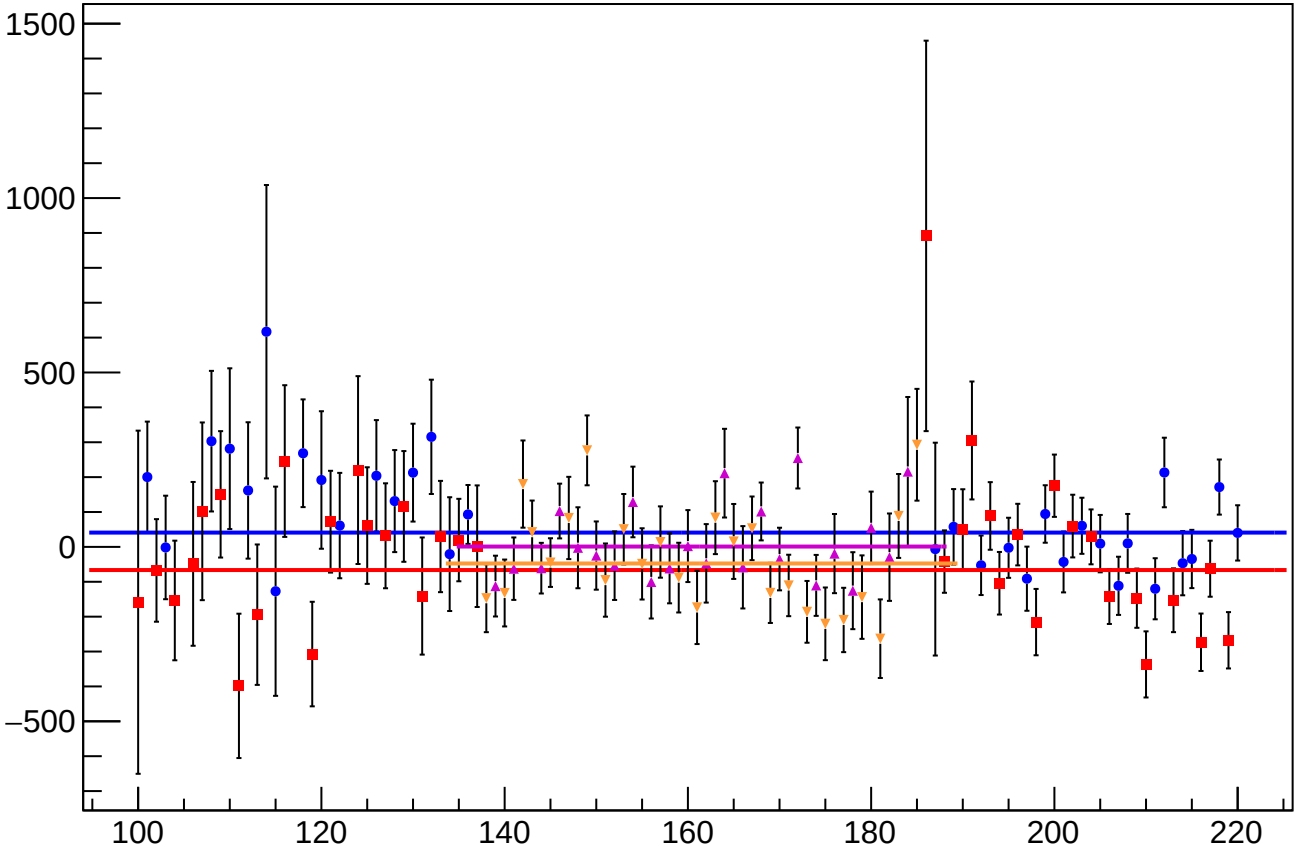
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 21316439.2/57

All: 0.000+/-0.000 χ^2/NDF: 42820715.0/117

- sign 0.000+/-0.000 χ^2/NDF: 21116206.8/59

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 41.016+/-18.902 χ^2/NDF: 34.9/32

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -66.373+/-19.145 χ^2/NDF: 65.0/36

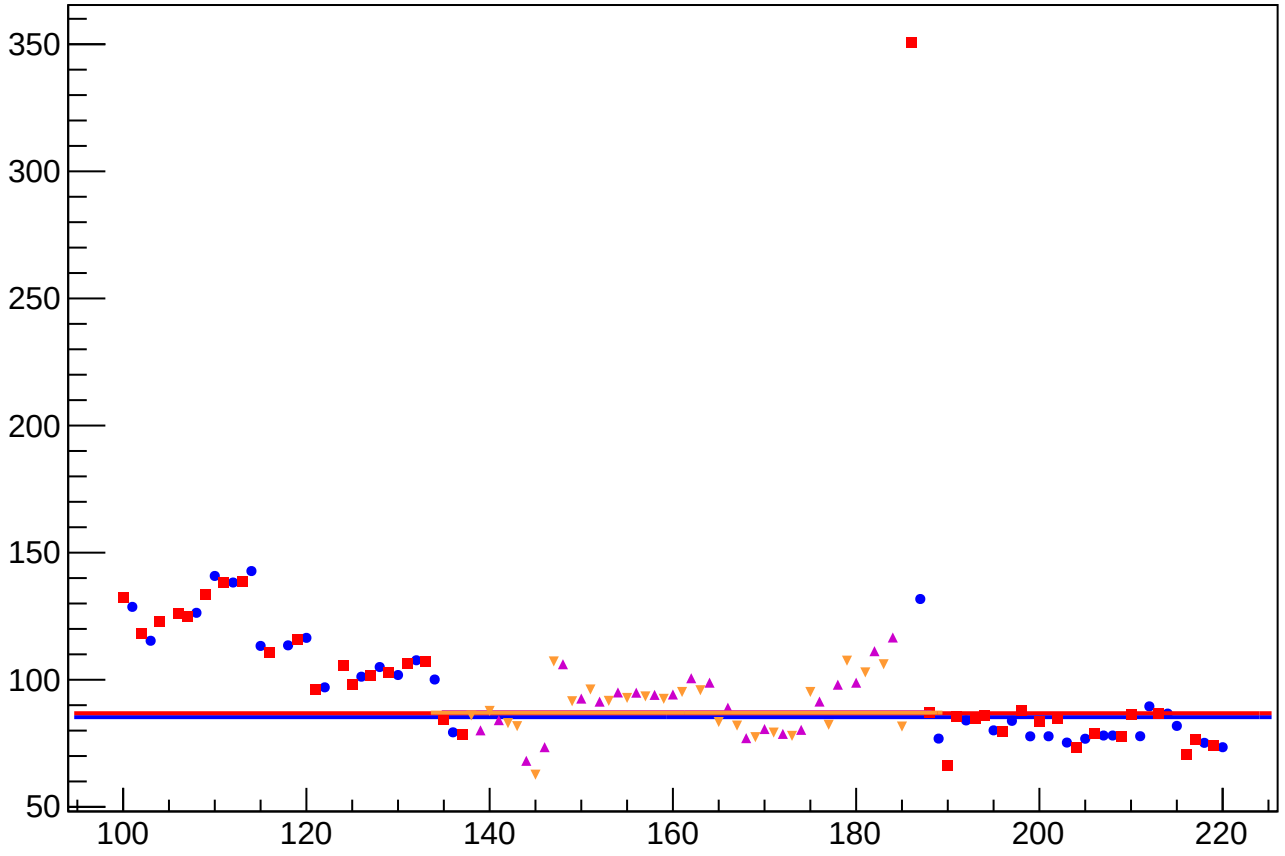
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -0.795+/-13.732 χ^2/NDF: 89.2/57

All: -17.616+/-9.812 χ^2/NDF: 188.5/117

- sign -35.162+/-14.025 χ^2/NDF: 96.2/59

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 85.293+/-0.013 χ^2/NDF: 1188614.6/32

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

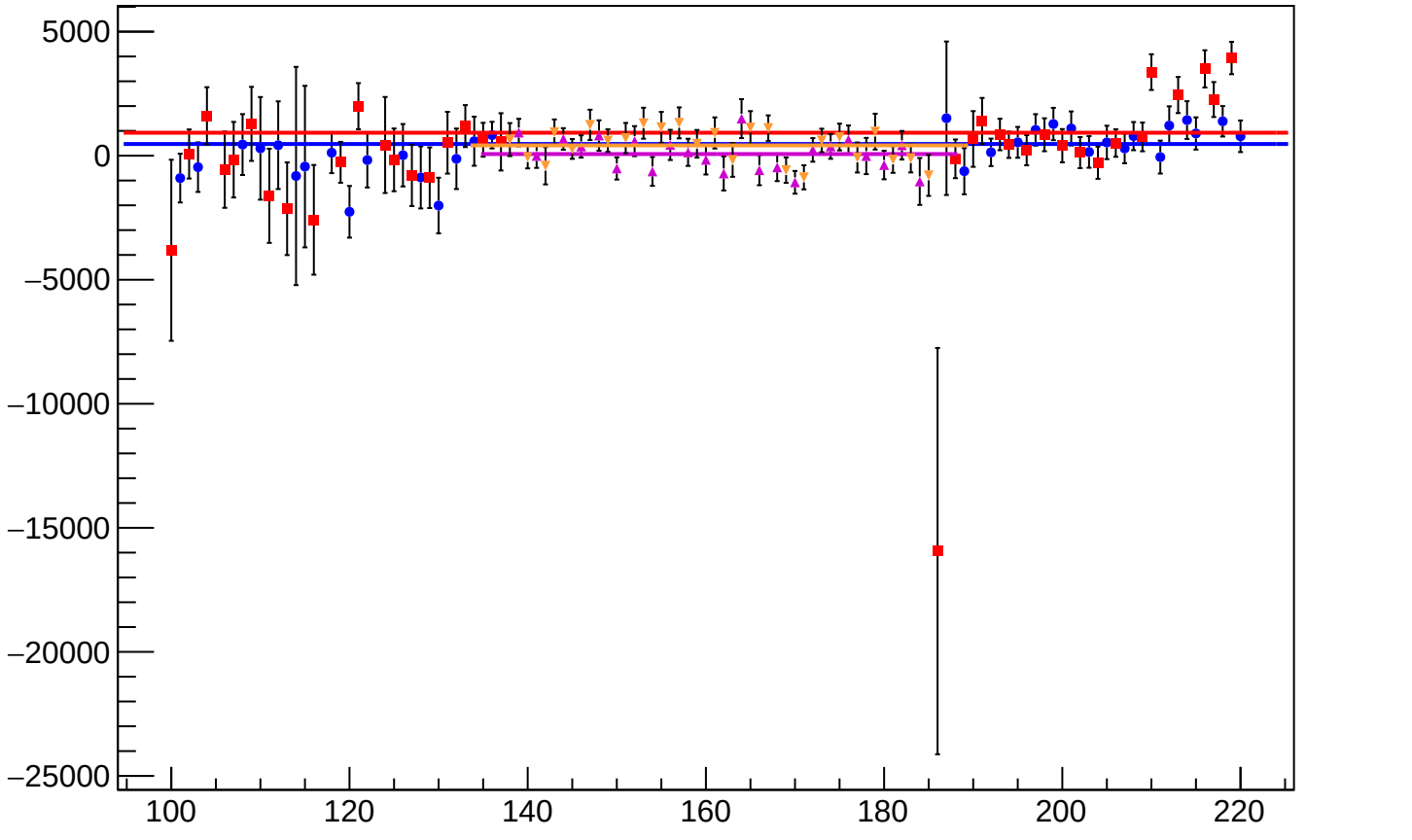
Right Out: 86.836+/-0.014 χ^2/NDF: 1709950.4/36

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 86.133+/-0.010 χ^2/NDF: 1817604.6/57

All: 86.573+/-0.007 χ^2/NDF: 4127981.2/117

- sign 87.031+/-0.010 χ^2/NDF: 2306190.3/59



Right In: 471.380+/-139.107 χ^2/NDF: 29.0/32

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 925.851+/-139.154 χ^2/NDF: 87.6/36

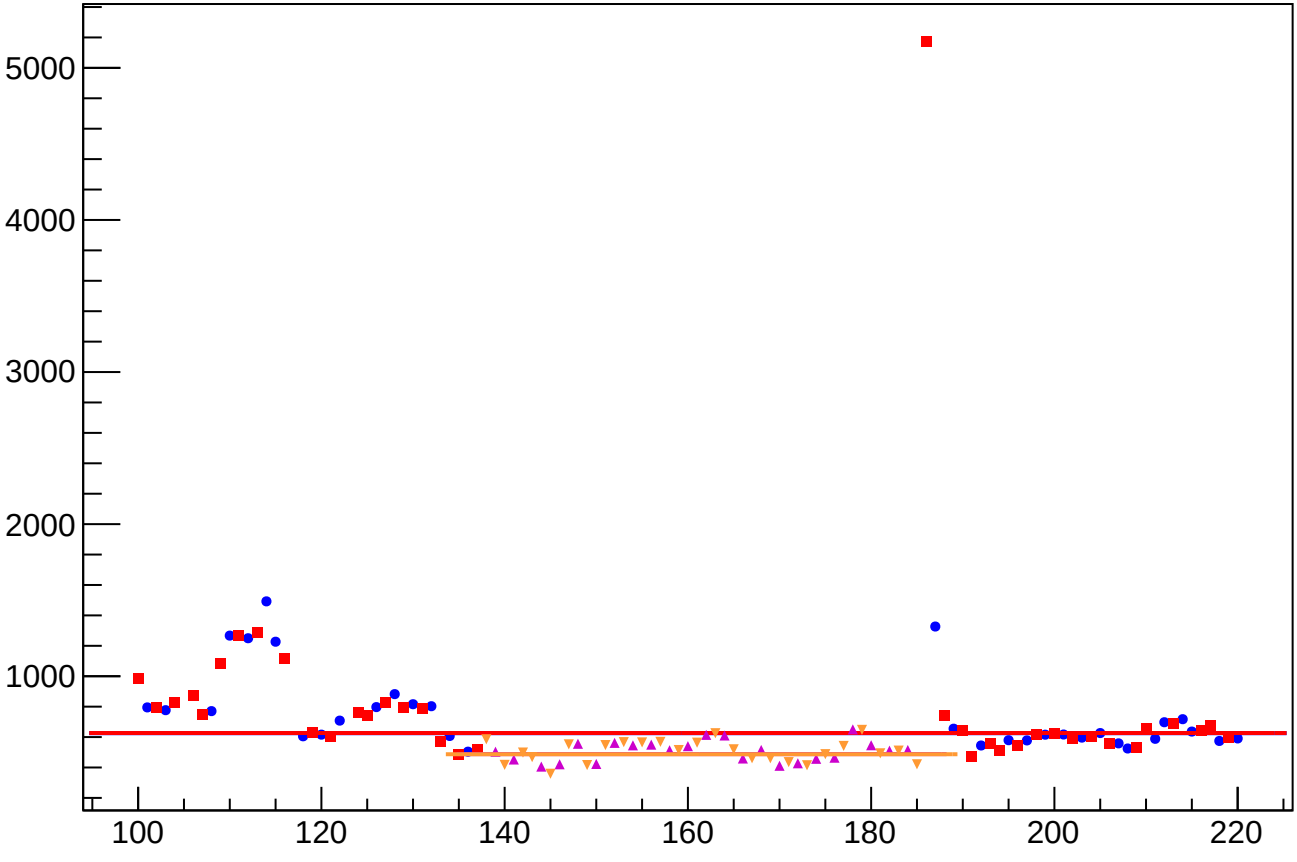
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 438.117+/-87.397 χ^2/NDF: 61.6/57

All: 427.656+/-62.302 χ^2/NDF: 199.3/117

- sign 416.848+/-88.838 χ^2/NDF: 137.7/59

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 625.470+/-0.098 χ^2/NDF: 1394450.1/32

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 626.599+/-0.098 χ^2/NDF: 2237492.4/36

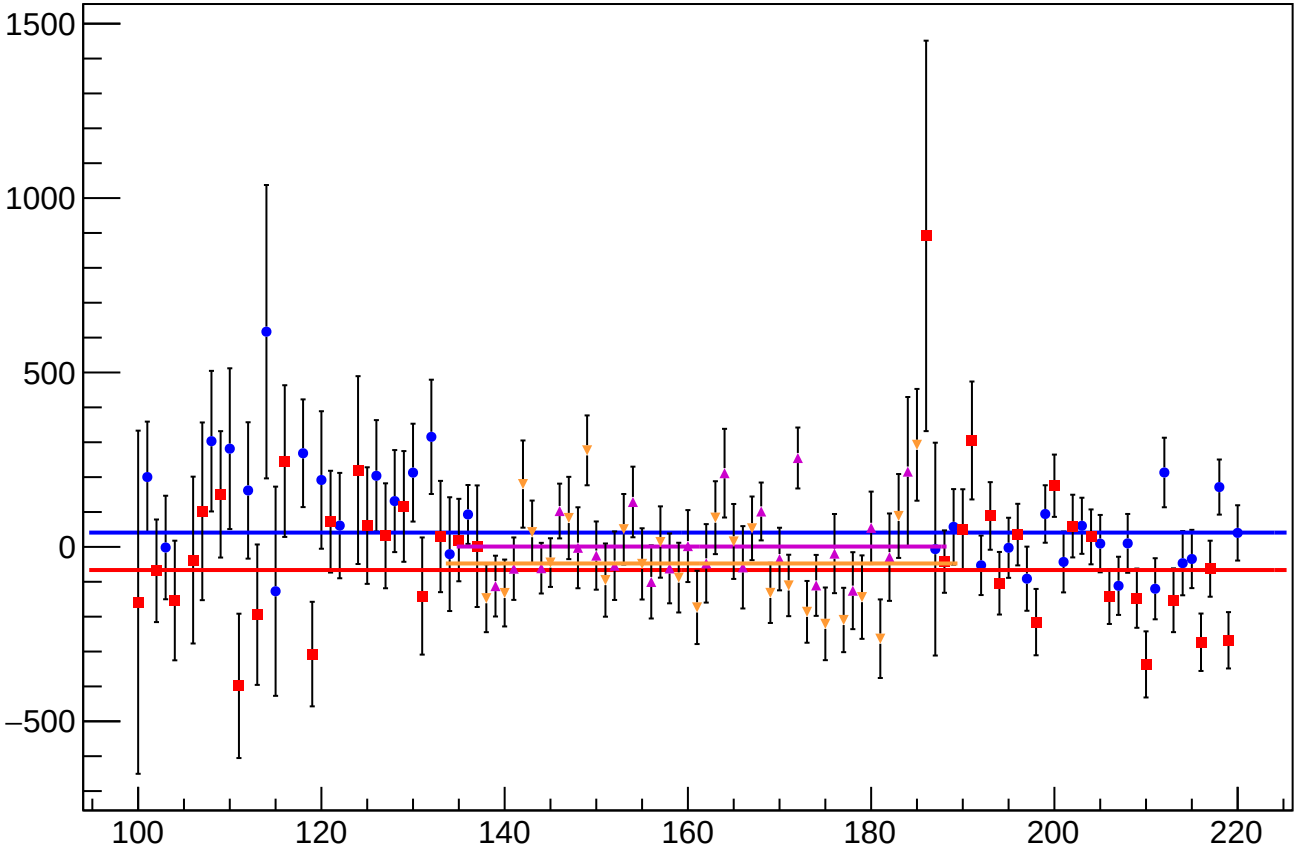
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 541.706+/-0.062 χ^2/NDF: 3413814.1/57

All: 543.054+/-0.044 χ^2/NDF: 7463144.9/117

- sign 544.447+/-0.063 χ^2/NDF: 4048363.5/59

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 41.011+/-18.902 χ^2/NDF: 34.9/32

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -66.325+/-19.148 χ^2/NDF: 65.0/36

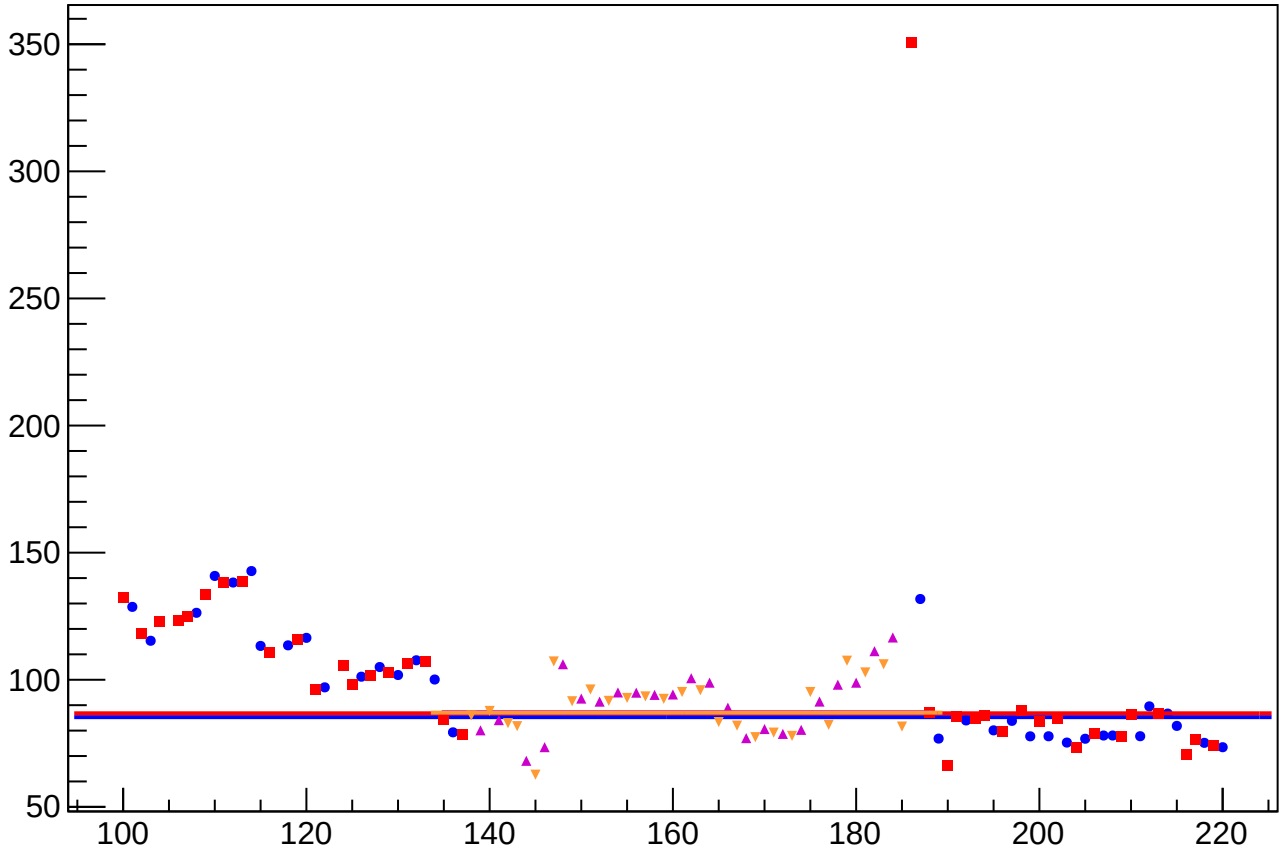
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -0.801+/-13.732 χ^2/NDF: 89.2/57

All: -17.602+/-9.812 χ^2/NDF: 188.5/117

- sign -35.131+/-14.026 χ^2/NDF: 96.2/59

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 85.293+/-0.013 χ^2/NDF: 1188615.0/32

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

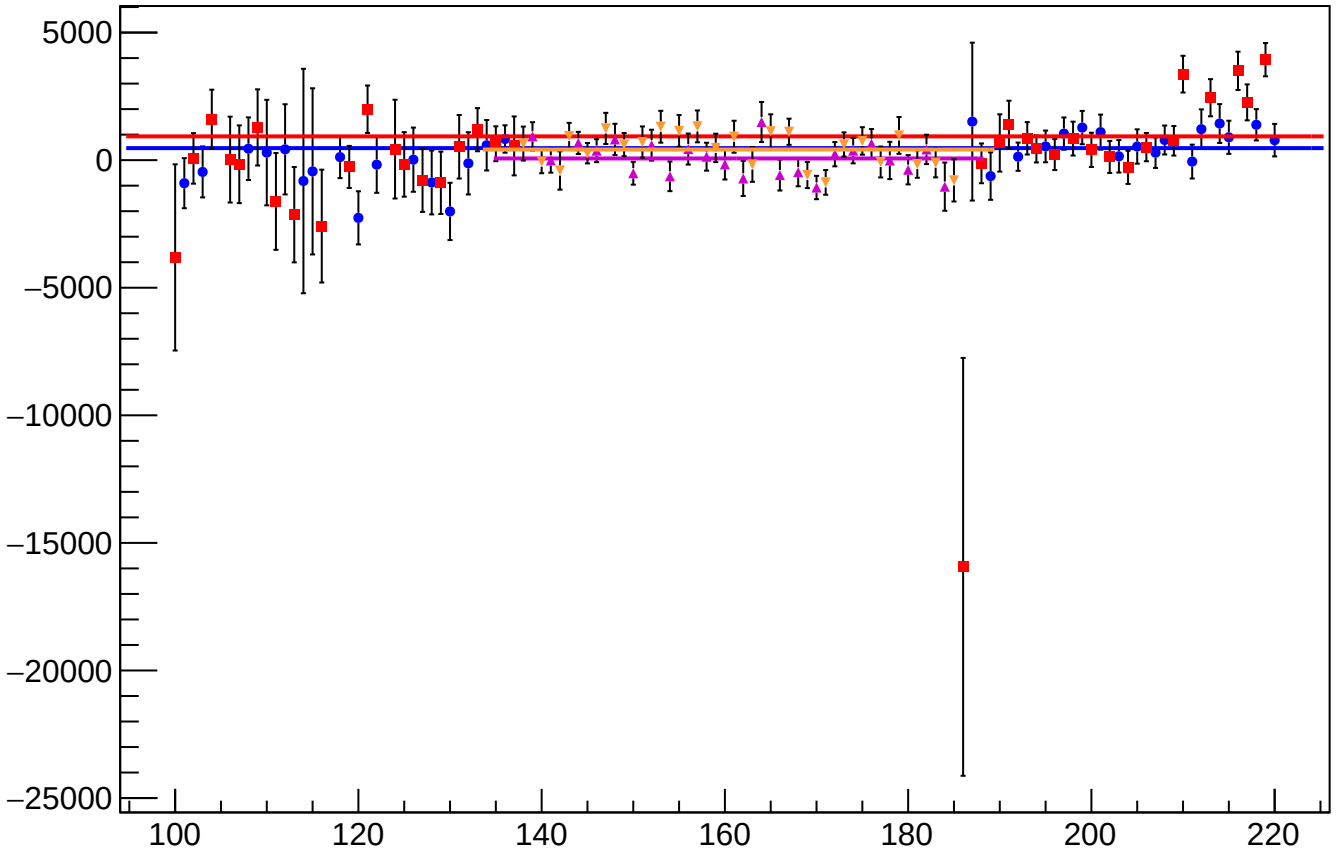
Right Out: 86.809+/-0.014 χ^2/NDF: 1700592.4/36

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 86.133+/-0.010 χ^2/NDF: 1817605.0/57

All: 86.565+/-0.007 χ^2/NDF: 4118548.0/117

- sign 87.016+/-0.010 χ^2/NDF: 2296892.3/59



Right In: 471.378+/-139.107 χ^2/NDF: 29.0/32

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

Right Out: 931.885+/-139.250 χ^2/NDF: 87.0/36

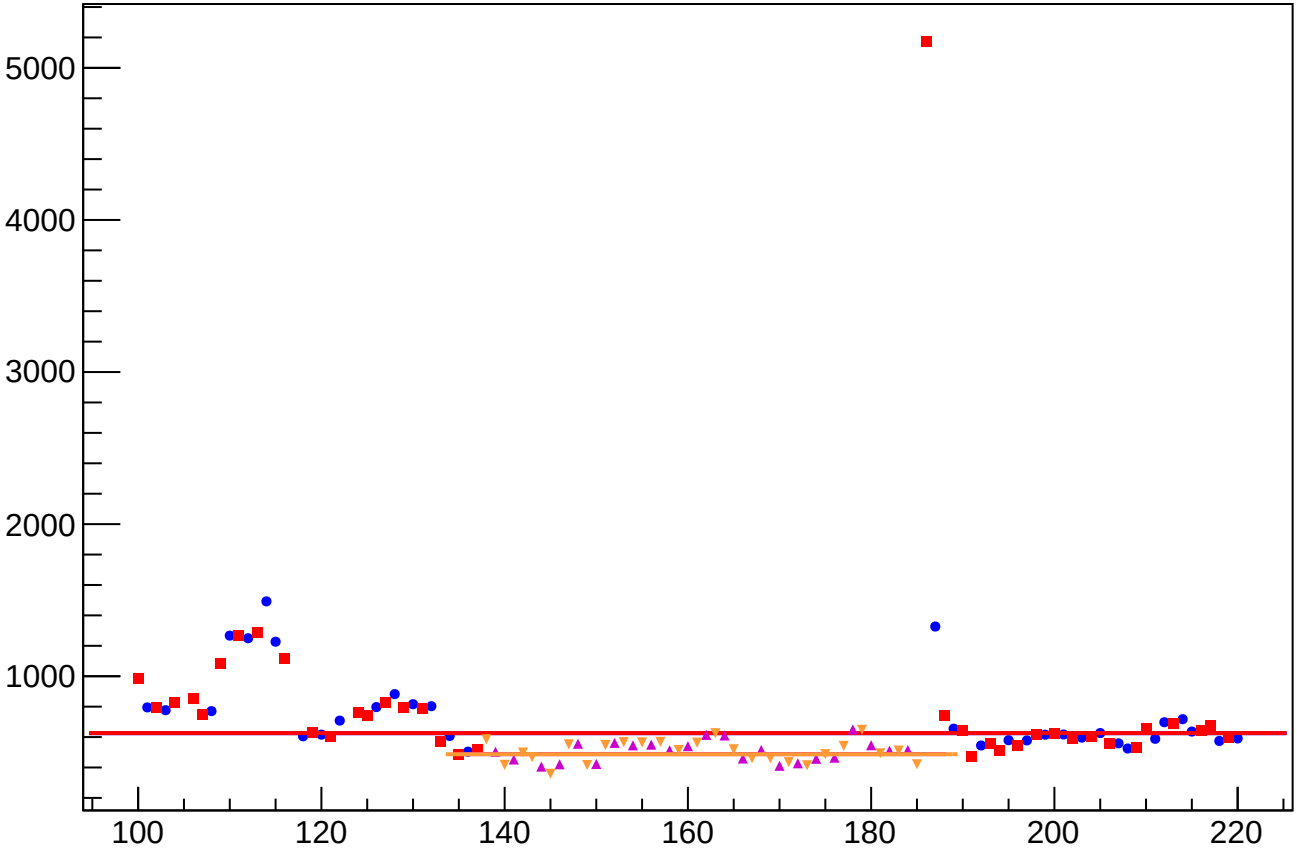
Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 438.111+/-87.397 χ^2/NDF: 61.6/57

All: 428.723+/-62.311 χ^2/NDF: 199.0/117

- sign 419.018+/-88.863 χ^2/NDF: 137.4/59

asym_sam_26_48_dd_cor_correction_rms vs Slug



Right In: 625.470+/-0.098 χ^2/NDF: 1394461.9/32

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 626.128+/-0.098 χ^2/NDF: 2222323.2/36

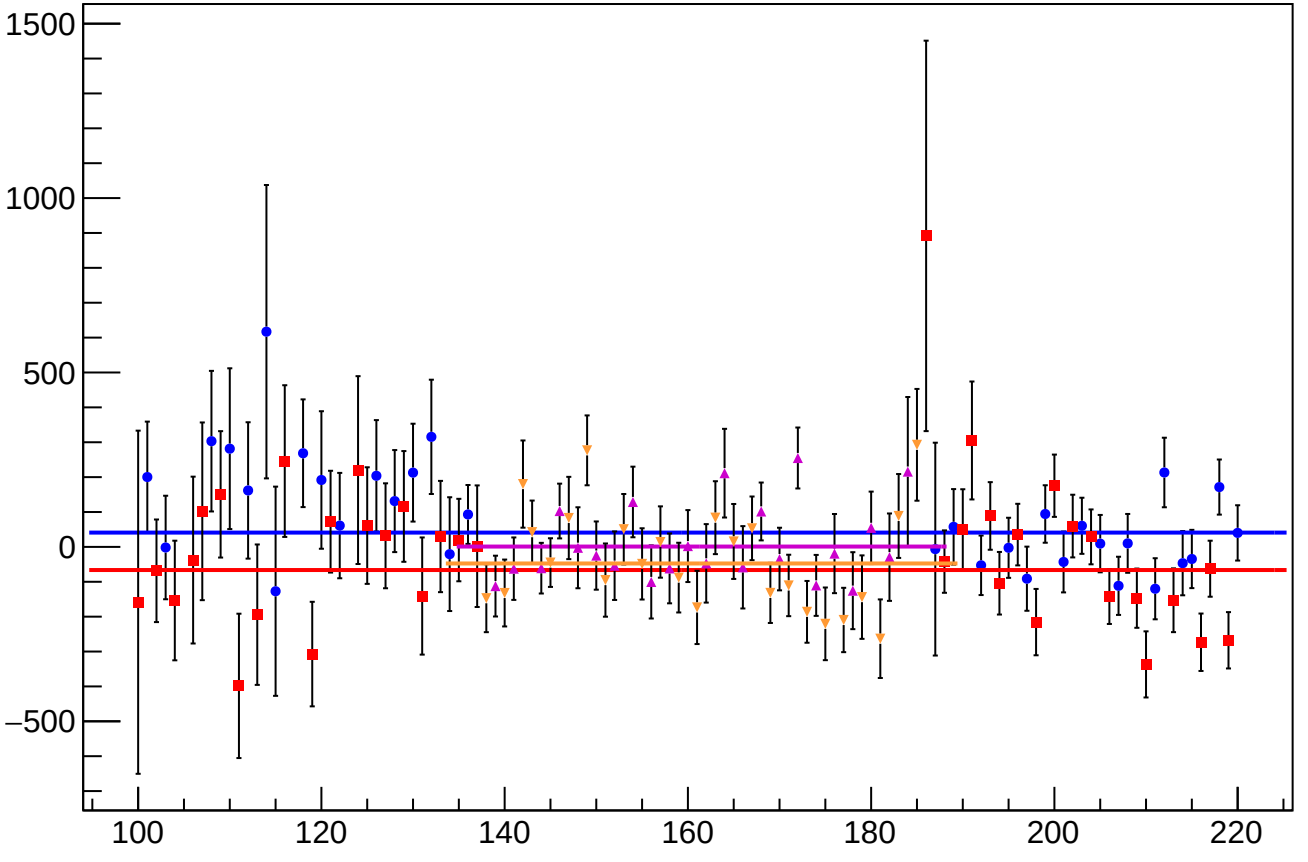
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 541.707+/-0.062 χ^2/NDF: 3413819.2/57

All: 542.937+/-0.044 χ^2/NDF: 7438895.7/117

- sign 544.209+/-0.063 χ^2/NDF: 4024270.1/59

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 41.011+/-18.902 χ^2/NDF: 34.9/32

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -66.325+/-19.148 χ^2/NDF: 65.0/36

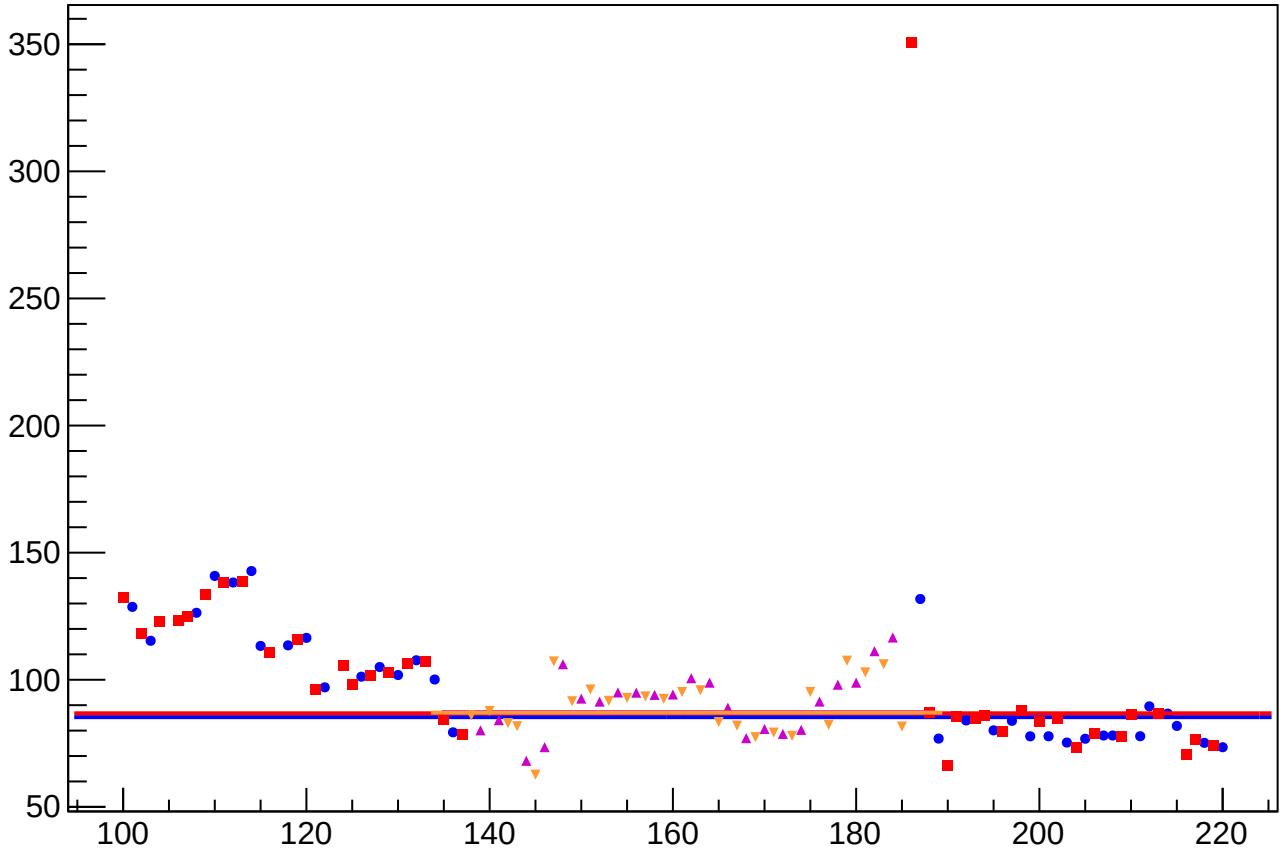
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -0.801+/-13.732 χ^2/NDF: 89.2/57

All: -17.602+/-9.812 χ^2/NDF: 188.5/117

- sign -35.131+/-14.026 χ^2/NDF: 96.2/59

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 85.293+/-0.013 χ^2/NDF: 1188615.0/32

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

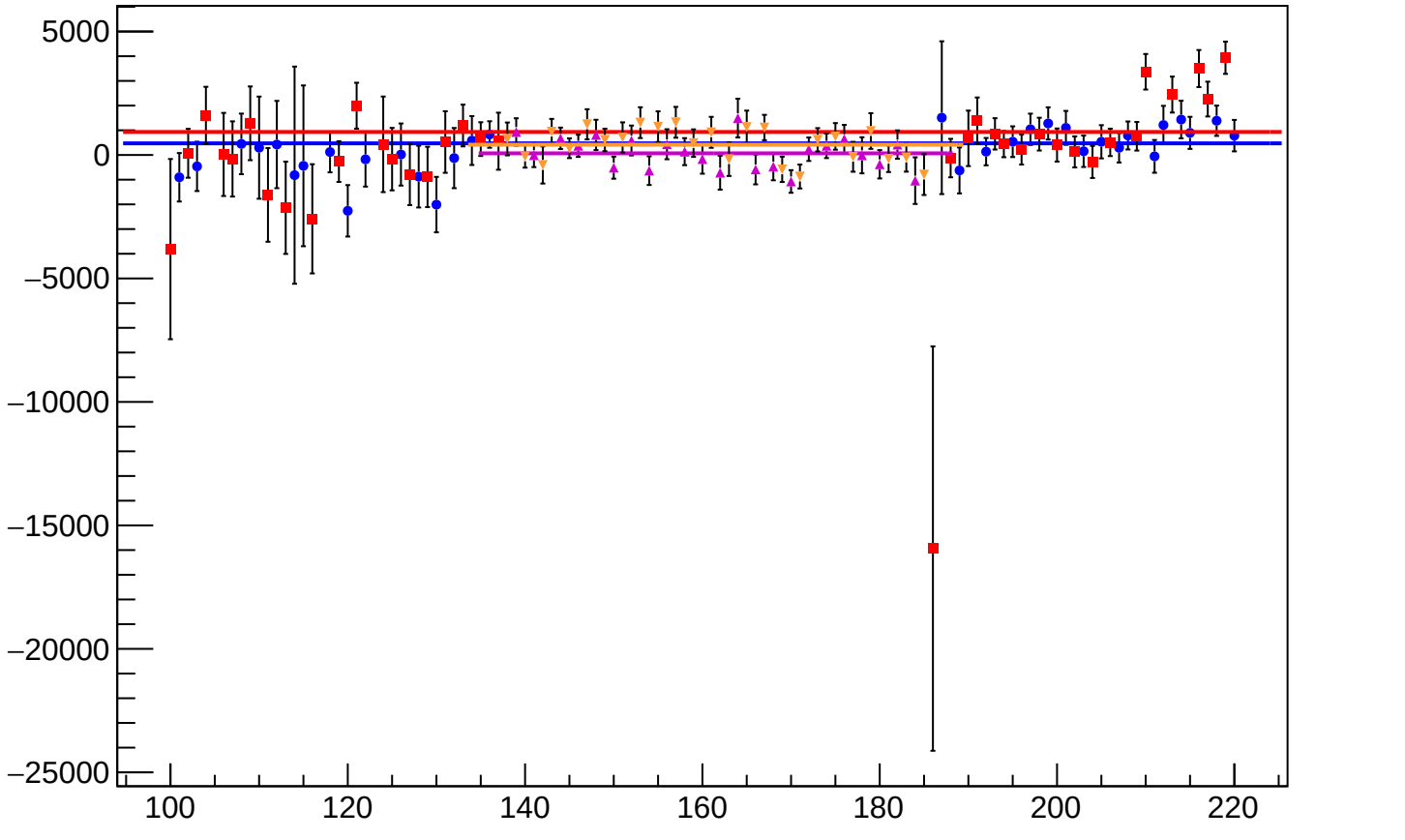
Right Out: 86.809+/-0.014 χ^2/NDF: 1700592.4/36

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 86.133+/-0.010 χ^2/NDF: 1817605.0/57

All: 86.565+/-0.007 χ^2/NDF: 4118548.0/117

- sign 87.016+/-0.010 χ^2/NDF: 2296892.3/59



Right In: 471.378+/-139.107 χ^2/NDF: 29.0/32

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

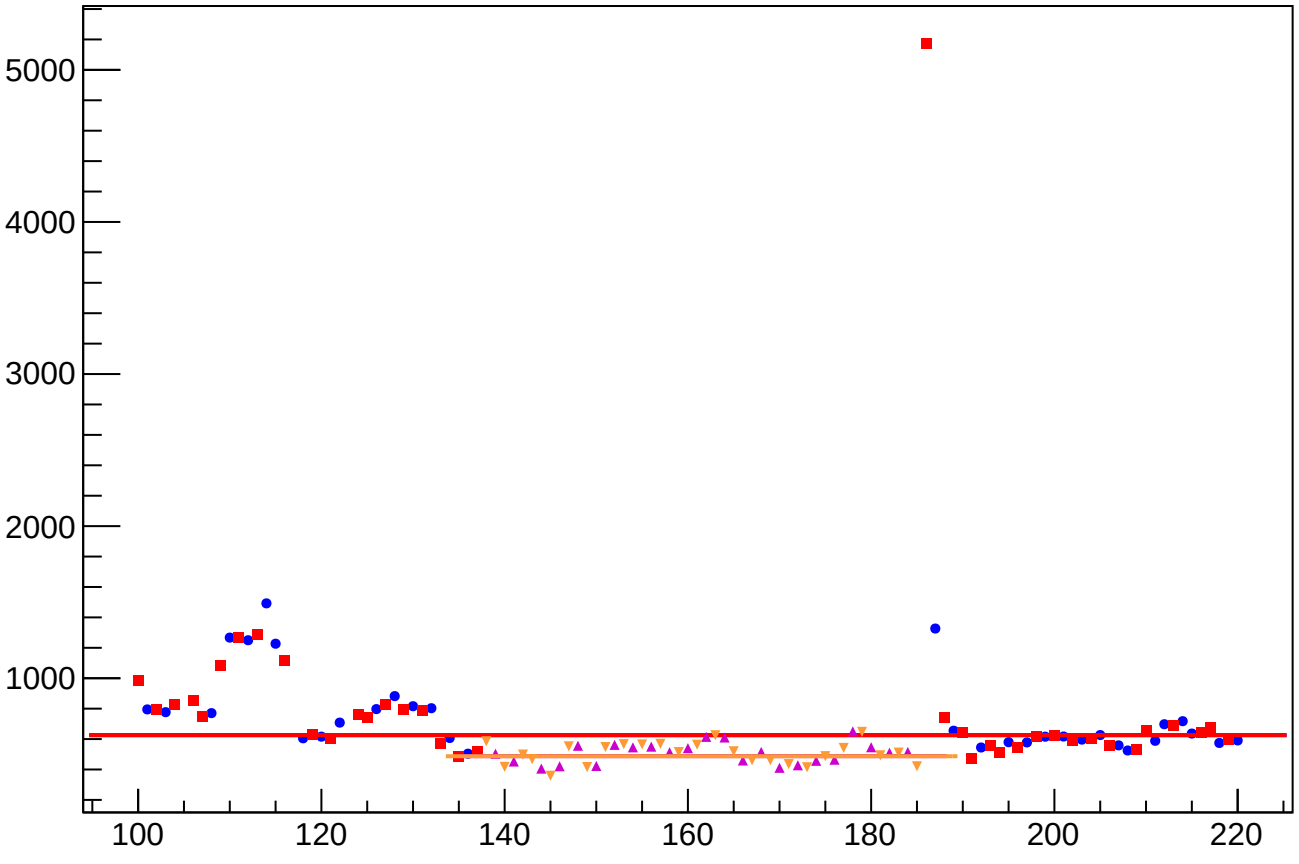
Right Out: 931.885+/-139.250 χ^2/NDF: 87.0/36

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 438.111+/-87.397 χ^2/NDF: 61.6/57

All: 428.723+/-62.311 χ^2/NDF: 199.0/117

- sign 419.018+/-88.863 χ^2/NDF: 137.4/59



Right In: 625.470+/-0.098 χ^2/NDF: 1394461.9/32

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 626.128+/-0.098 χ^2/NDF: 2222323.2/36

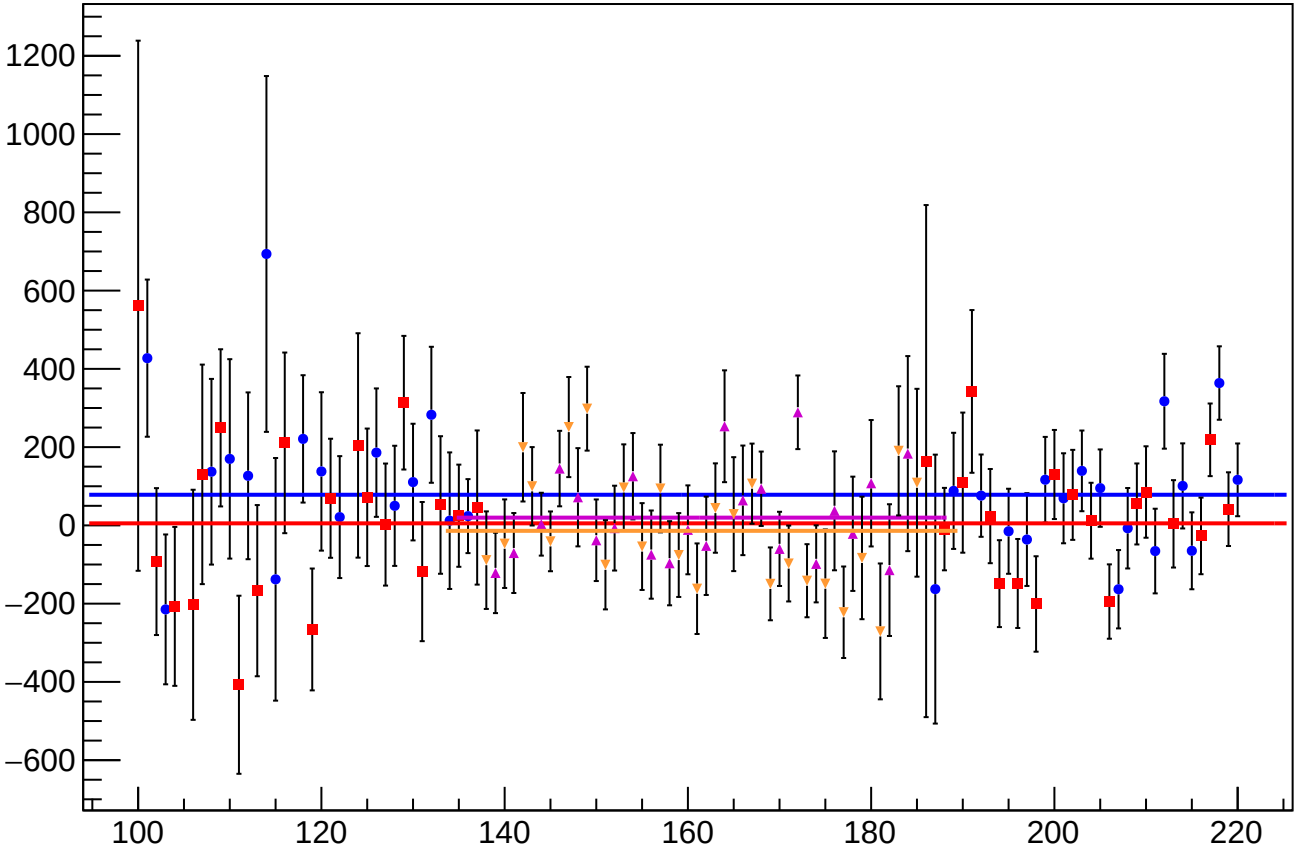
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 541.707+/-0.062 χ^2/NDF: 3413819.2/57

All: 542.937+/-0.044 χ^2/NDF: 7438895.7/117

- sign 544.209+/-0.063 χ^2/NDF: 4024270.1/59

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 78.288+/-22.651 χ^2/NDF: 37.7/32

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: 5.223+/-22.899 χ^2/NDF: 38.6/36

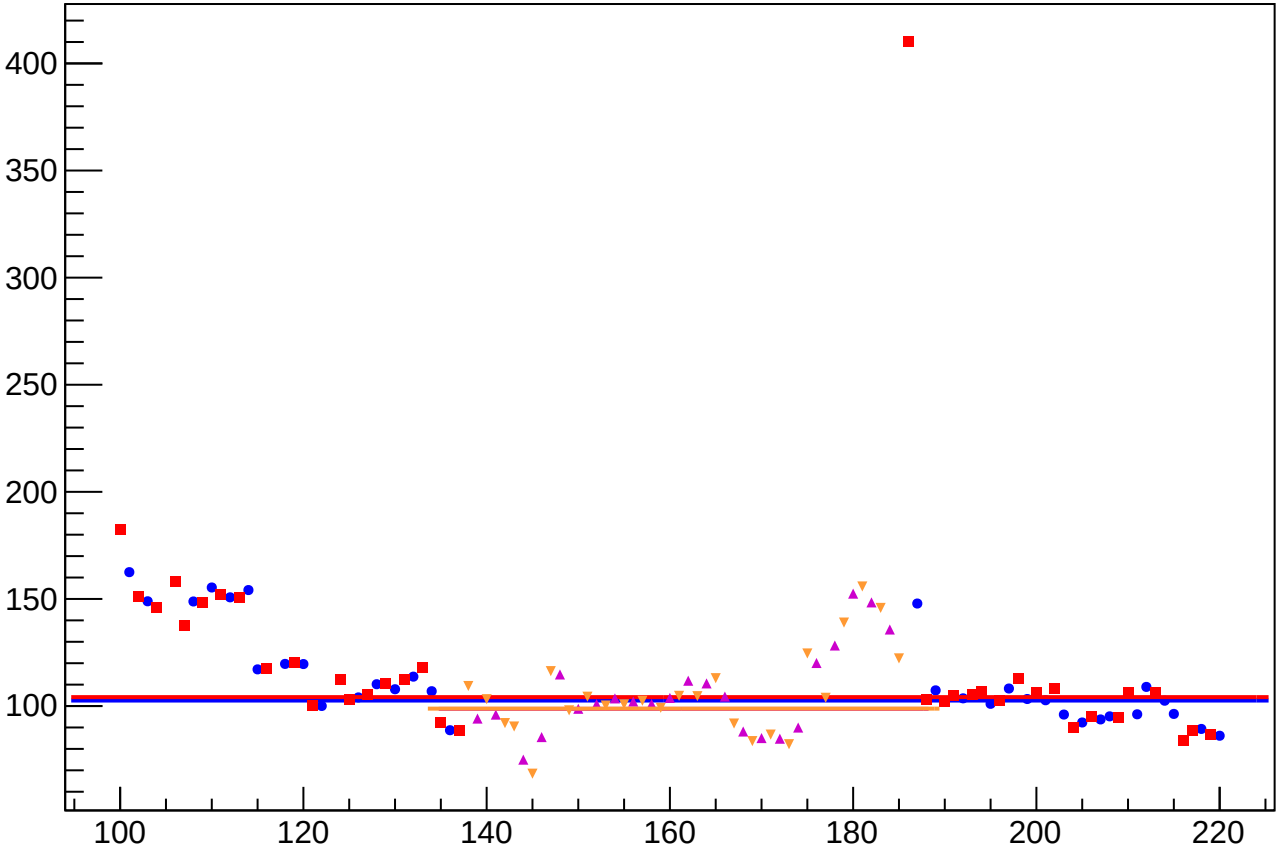
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 32.729+/-16.110 χ^2/NDF: 82.3/57

All: 22.714+/-11.501 χ^2/NDF: 145.2/117

- sign 12.303+/-16.425 χ^2/NDF: 62.1/59

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 102.573+/-0.016 χ^2/NDF: 906454.1/32

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

Right Out: 104.166+/-0.016 χ^2/NDF: 1430031.0/36

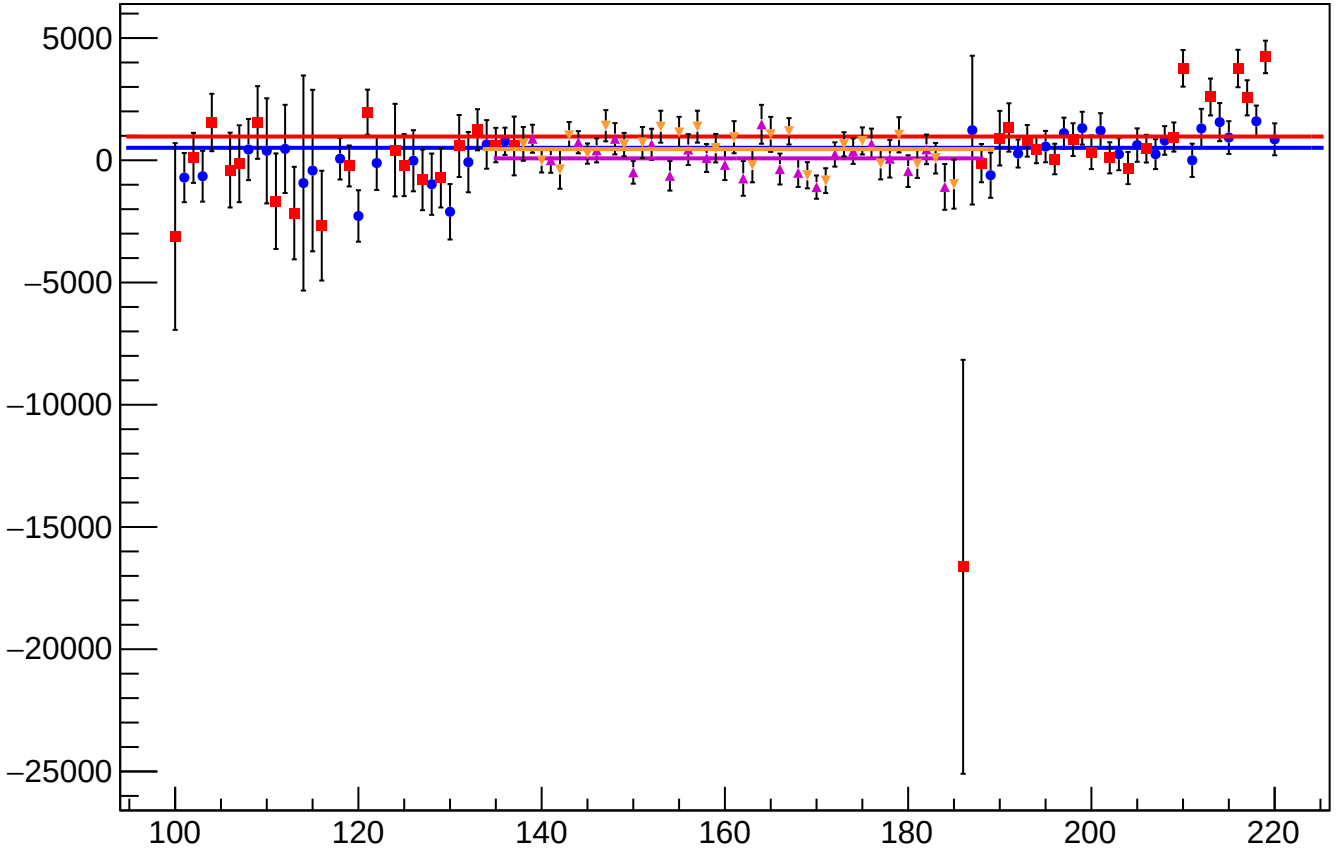
Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 100.708+/-0.011 χ^2/NDF: 2119706.2/57

All: 101.096+/-0.008 χ^2/NDF: 4595800.6/117

- sign 101.499+/-0.012 χ^2/NDF: 2473730.5/59

asym_sam_26_48_dd_dit_correction_mean vs Slug



Right In: 510.142+/-142.722 χ^2/NDF: 30.4/32

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 971.672+/-141.953 χ^2/NDF: 97.0/36

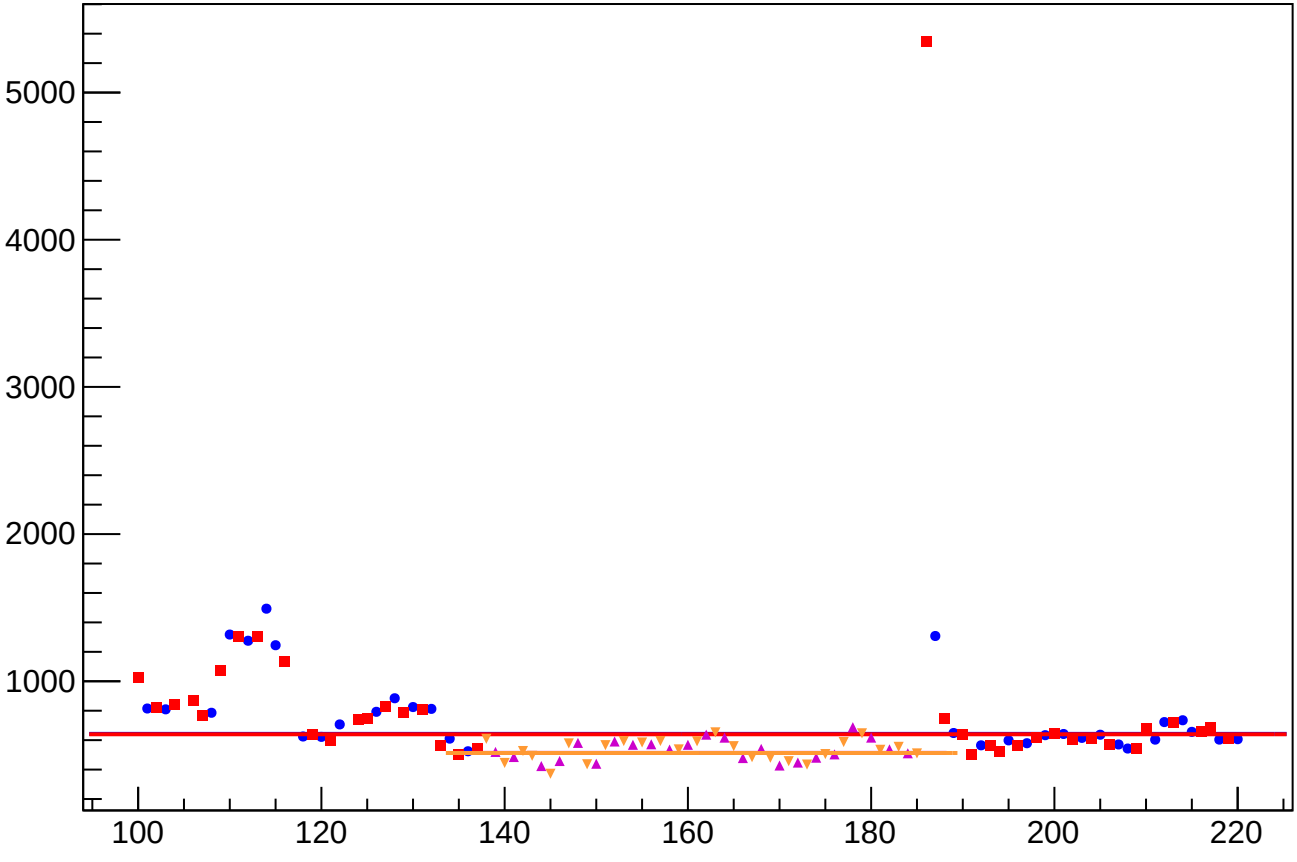
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 479.844+/-90.993 χ^2/NDF: 61.3/57

All: 468.139+/-64.791 χ^2/NDF: 207.4/117

- sign 456.102+/-92.278 χ^2/NDF: 146.1/59

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 642.533+/-0.101 χ^2/NDF: 1334234.5/32

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 639.929+/-0.100 χ^2/NDF: 2170663.7/36

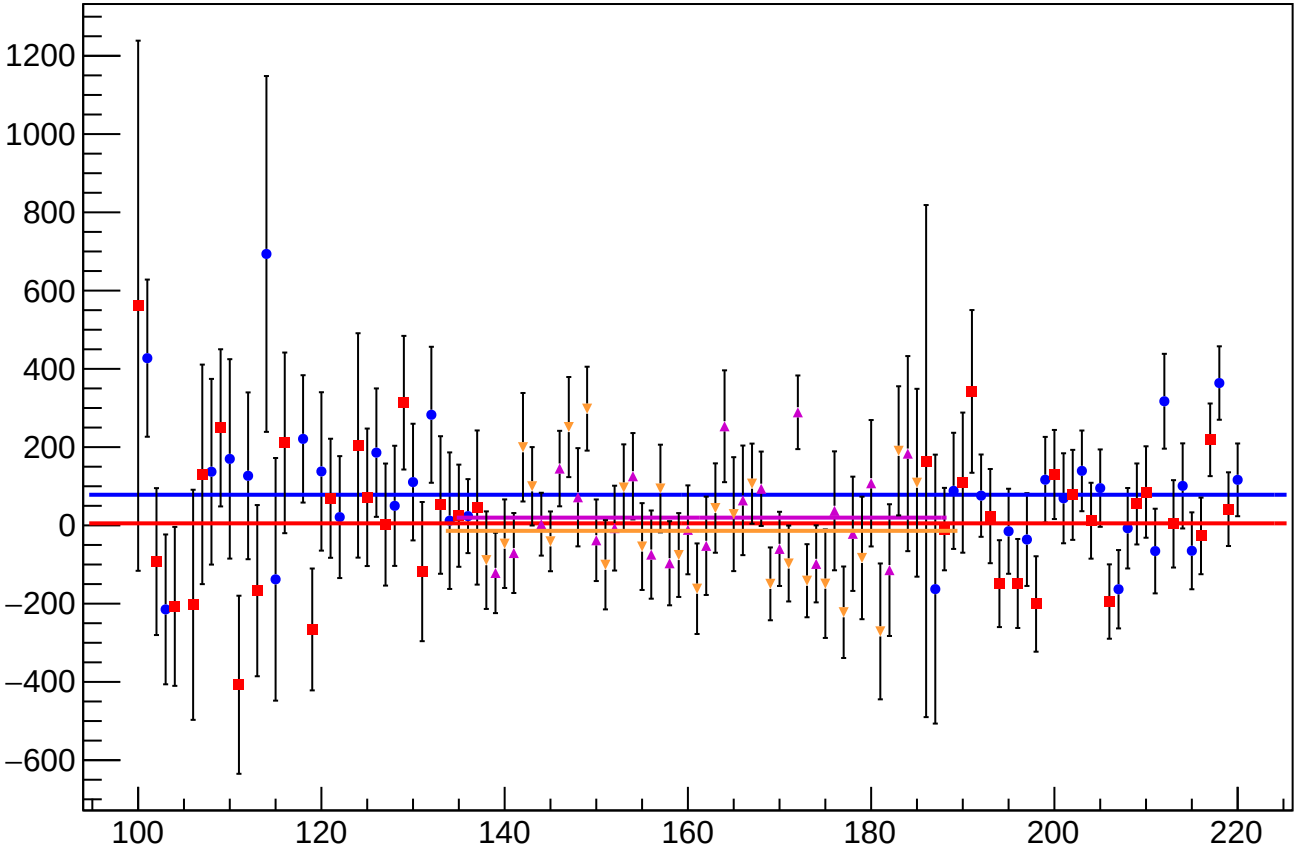
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

\+ sign 565.515+/-0.064 χ^2/NDF: 3114764.8/57

All: 566.175+/-0.046 χ^2/NDF: 6837537.7/117

\- sign 566.854+/-0.065 χ^2/NDF: 3722559.5/59

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 78.287+/-22.651 χ^2/NDF: 37.7/32

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: 5.220+/-22.899 χ^2/NDF: 38.6/36

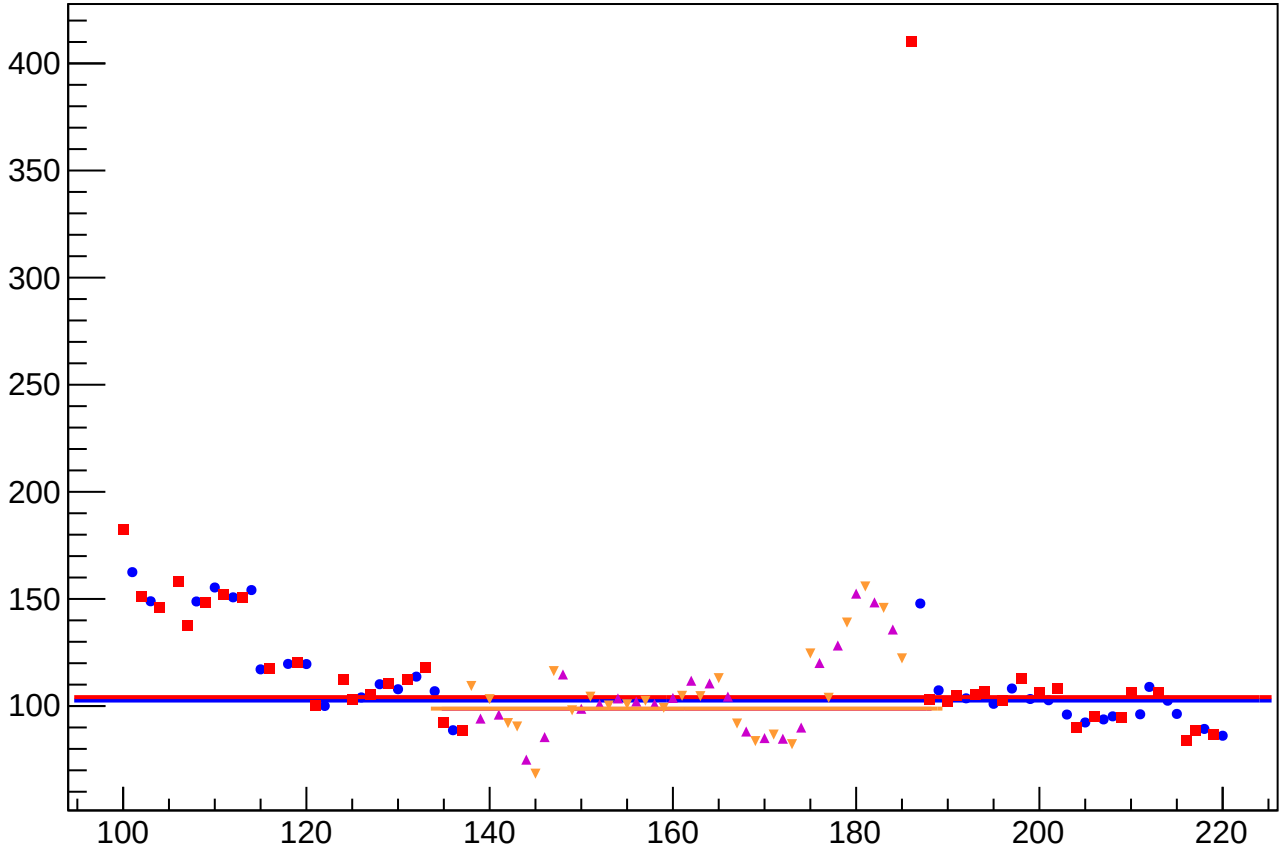
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 32.727+/-16.110 χ^2/NDF: 82.3/57

All: 22.712+/-11.501 χ^2/NDF: 145.2/117

- sign 12.302+/-16.425 χ^2/NDF: 62.1/59

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 102.573+/-0.016 χ^2/NDF: 906448.1/32

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

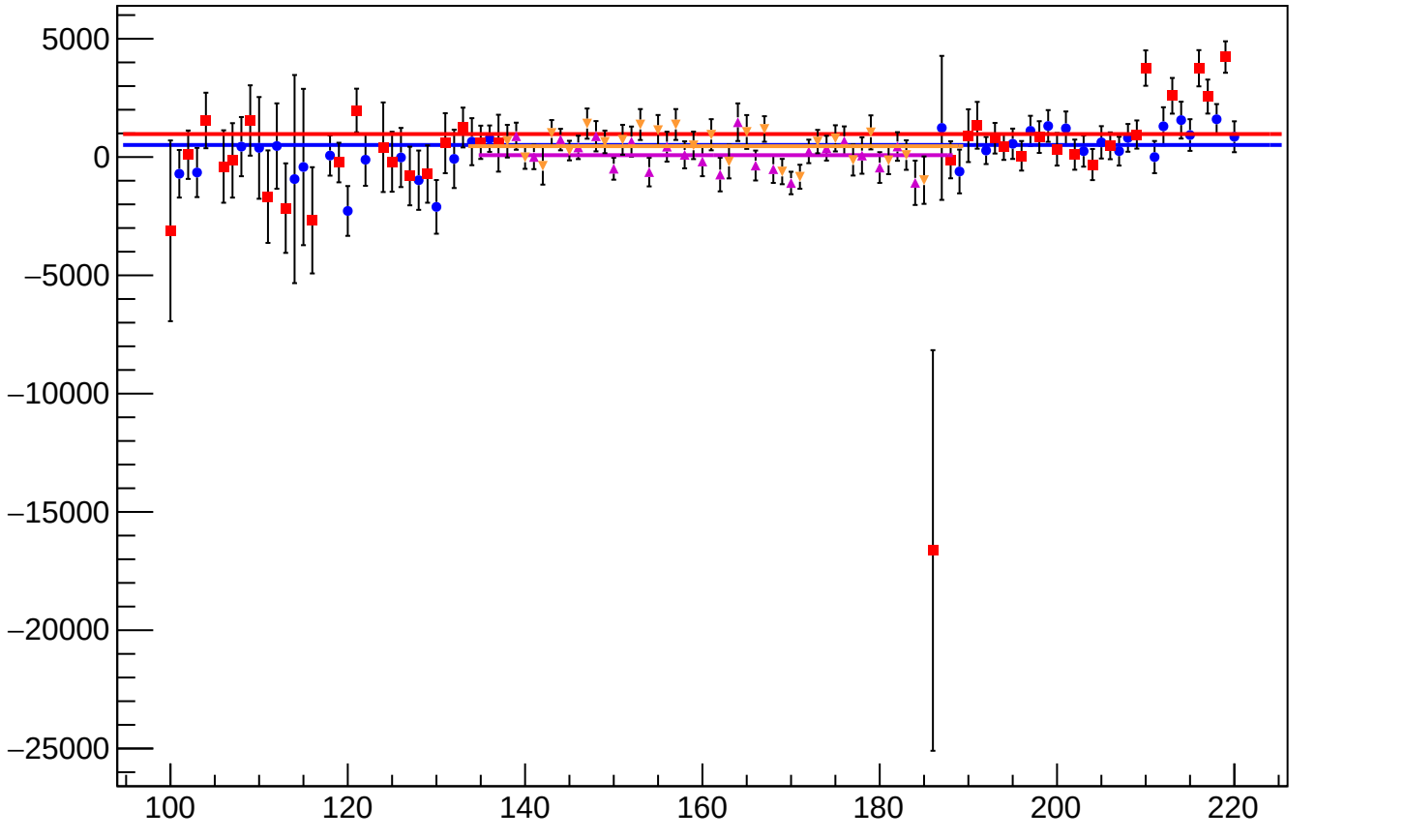
Right Out: 104.166+/-0.016 χ^2/NDF: 1430026.2/36

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 100.708+/-0.011 χ^2/NDF: 2119705.2/57

All: 101.096+/-0.008 χ^2/NDF: 4595786.9/117

- sign 101.499+/-0.012 χ^2/NDF: 2473717.7/59



Right In: 510.143+/-142.722 χ^2/NDF: 30.4/32

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

Right Out: 971.670+/-141.952 χ^2/NDF: 97.0/36

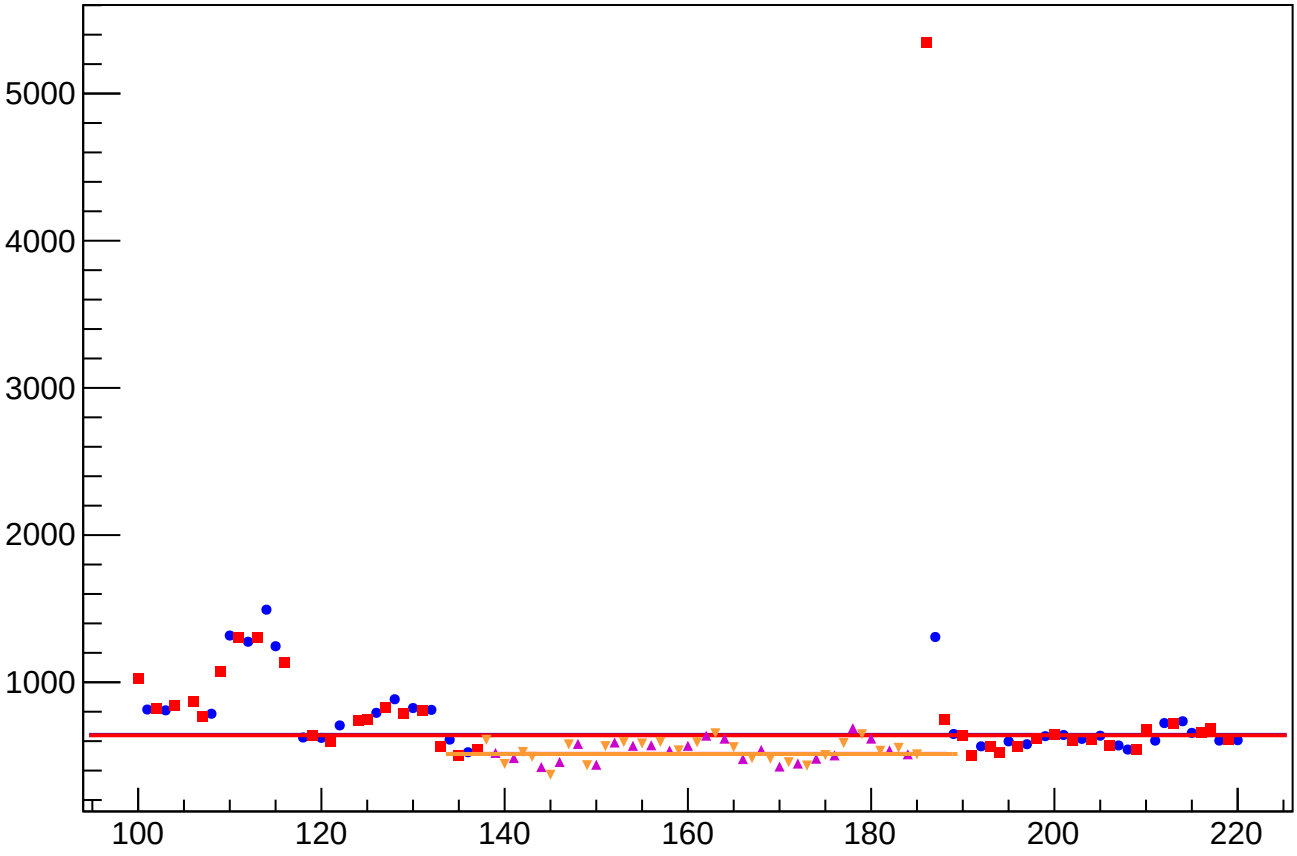
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

\+ sign 479.843+/-90.993 χ^2/NDF: 61.3/57

All: 468.139+/-64.791 χ^2/NDF: 207.4/117

\- sign 456.102+/-92.277 χ^2/NDF: 146.1/59

asym_sam_26_48_dd_eigen_dit_correction_rms vs Slug



Right In: 642.532+/-0.101 χ^2/NDF: 1334231.1/32

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 639.928+/-0.100 χ^2/NDF: 2170661.0/36

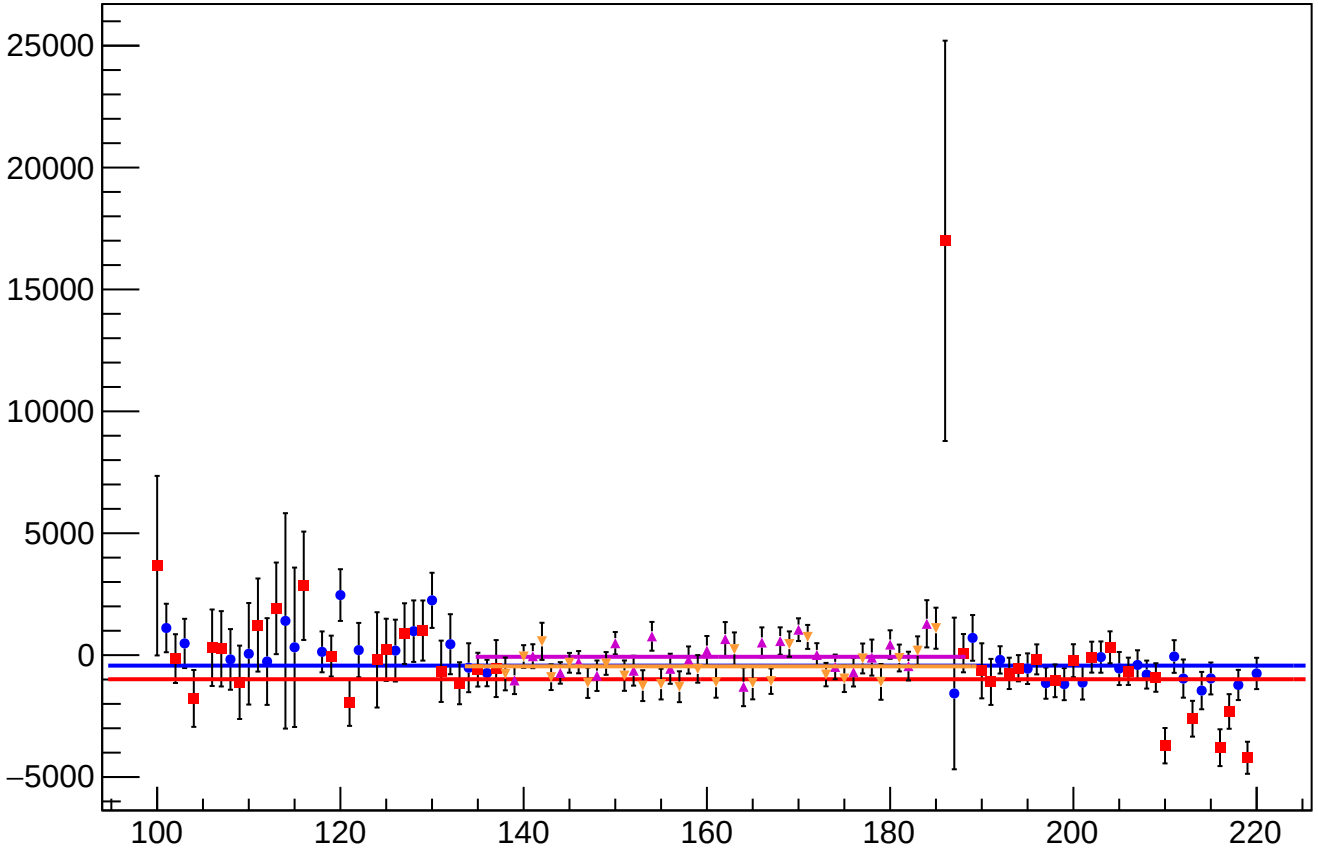
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 565.515+/-0.064 χ^2/NDF: 3114753.5/57

All: 566.174+/-0.046 χ^2/NDF: 6837509.6/117

- sign 566.853+/-0.065 χ^2/NDF: 3722542.8/59

asym_sam_26_48_dd_mean vs Slug



Right In: -430.099+/-140.520 χ^2/NDF: 31.0/32

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -988.619+/-140.643 χ^2/NDF: 97.0/36

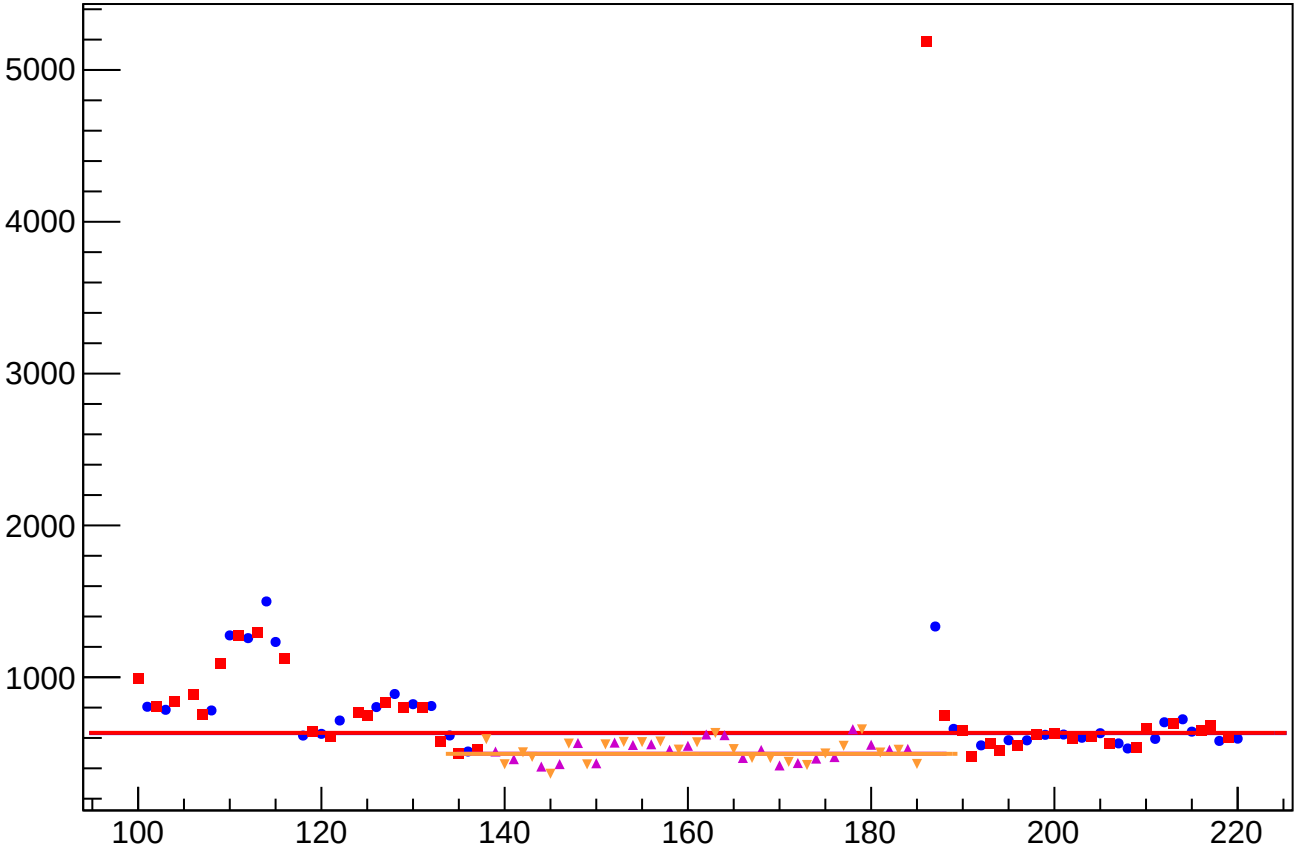
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -448.020+/-88.639 χ^2/NDF: 61.8/57

All: -447.002+/-63.191 χ^2/NDF: 212.7/117

- sign -445.950+/-90.111 χ^2/NDF: 150.8/59

asym_sam_26_48_dd_rms vs Slug



Right In: 631.982+/-0.099 χ^2/NDF: 1382143.5/32

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

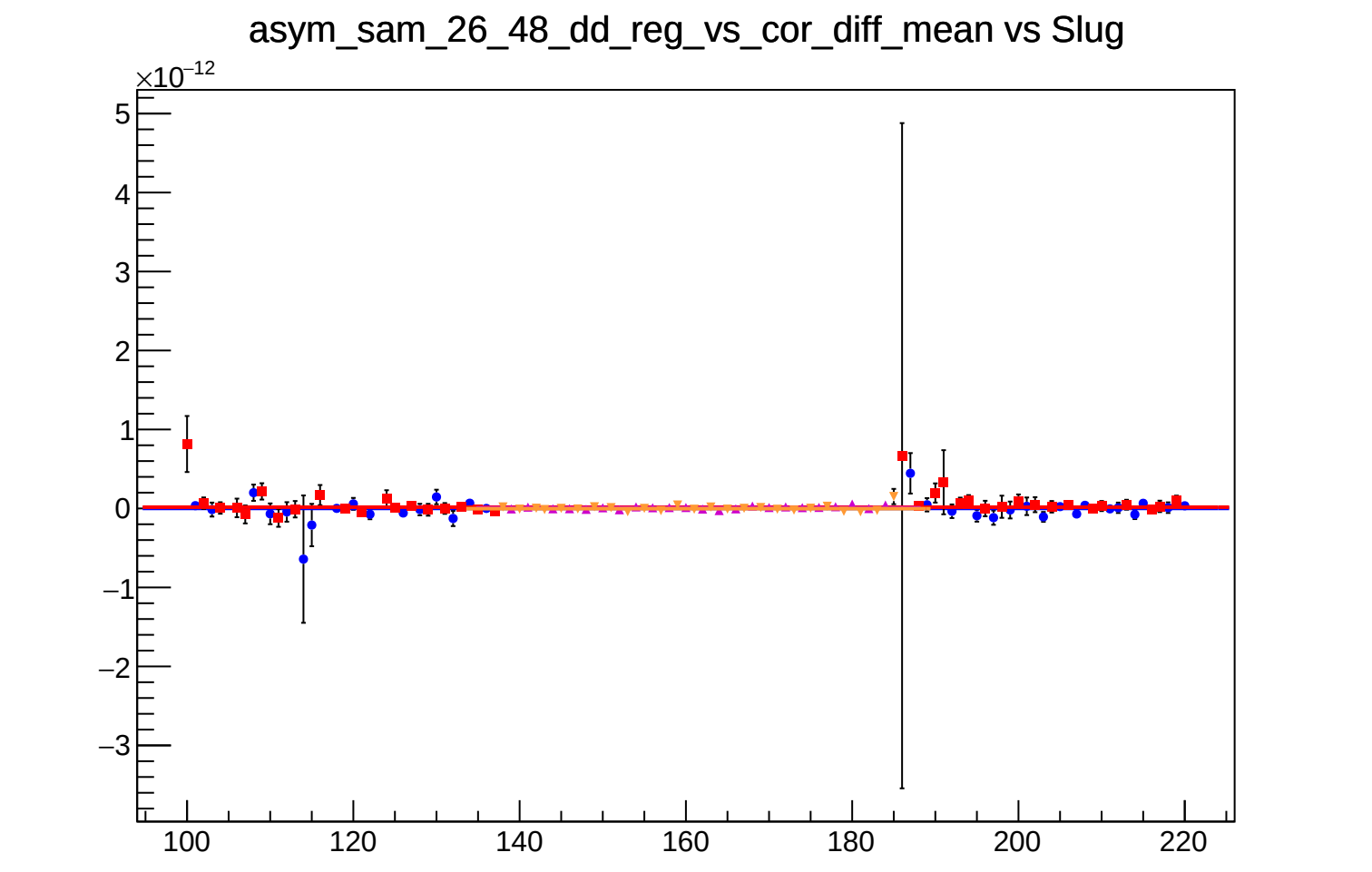
Right Out: 633.517+/-0.099 χ^2/NDF: 2214877.5/36

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 549.814+/-0.063 χ^2/NDF: 3322553.9/57

All: 551.201+/-0.045 χ^2/NDF: 7282901.1/117

- sign 552.634+/-0.064 χ^2/NDF: 3959352.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 33.2/32

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

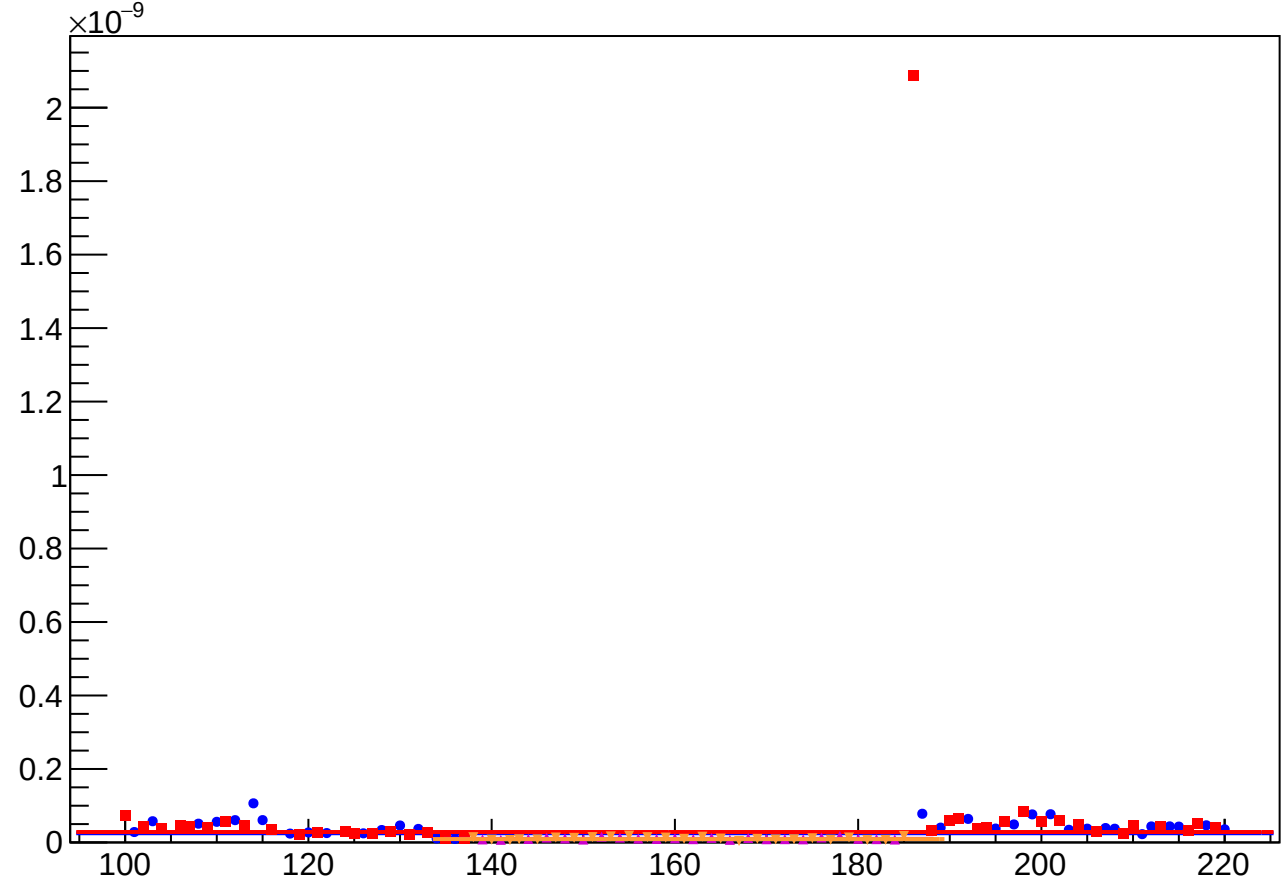
Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/36

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.4/57

All: 0.000+/-0.000 χ^2/NDF: 107.9/117

- sign 0.000+/-0.000 χ^2/NDF: 44.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 6168996.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4707532.0/36

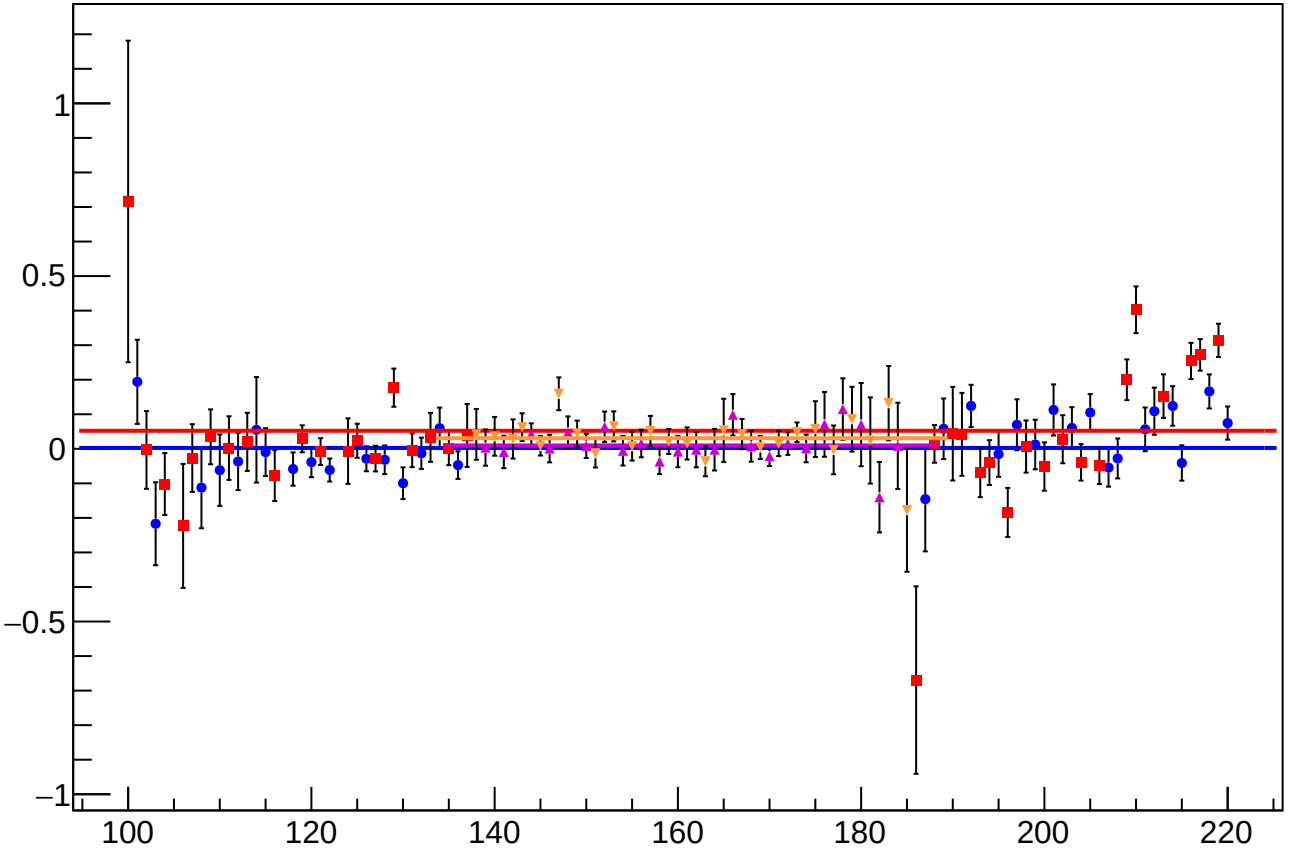
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13111395.1/57

All: 0.000+/-0.000 χ^2/NDF: 24386247.6/117

- sign 0.000+/-0.000 χ^2/NDF: 11222126.0/59

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.010 χ^2/NDF: 58.7/32

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: 0.052+/-0.010 χ^2/NDF: 163.8/36

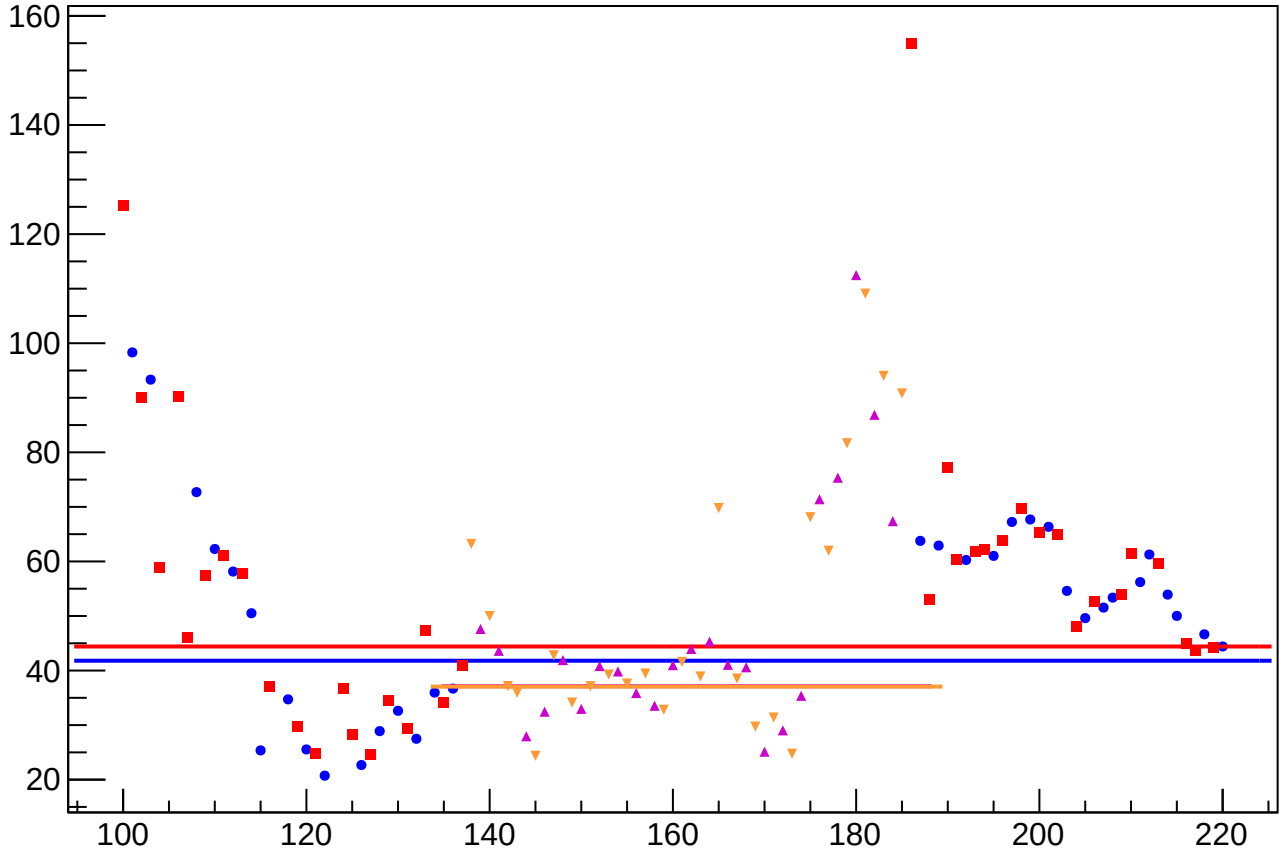
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.018+/-0.007 χ^2/NDF: 81.0/57

All: 0.023+/-0.005 χ^2/NDF: 268.7/117

- sign 0.029+/-0.007 χ^2/NDF: 186.4/59

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.800+/-0.007 χ^2/NDF: 5355850.2/32

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

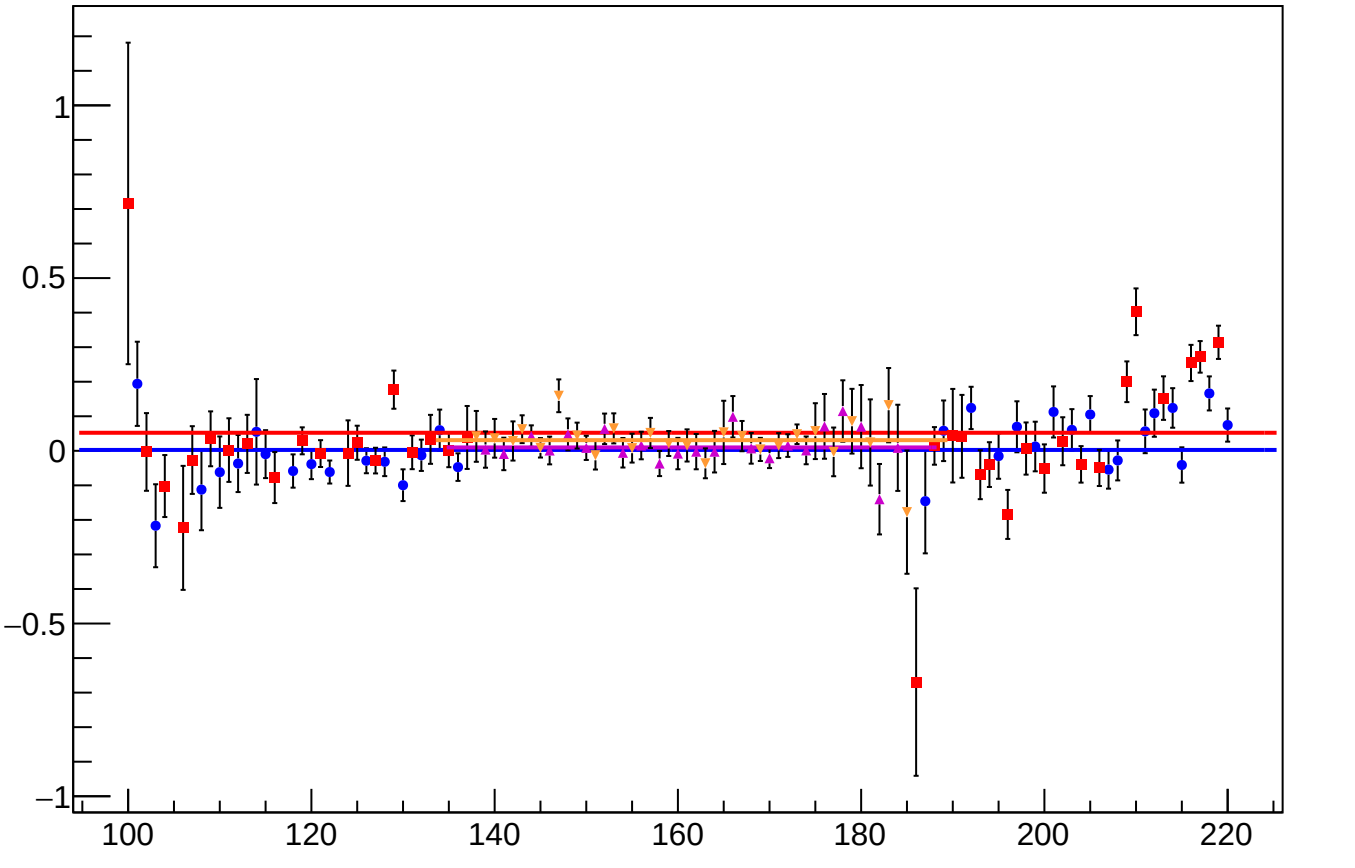
Right Out: 44.408+/-0.007 χ^2/NDF: 4587240.6/36

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 39.242+/-0.005 χ^2/NDF: 9658382.1/57

All: 39.815+/-0.003 χ^2/NDF: 17835576.3/117

- sign 40.428+/-0.005 χ^2/NDF: 8146951.5/59



Right In: 0.003+/-0.010 χ^2/NDF: 58.7/32

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

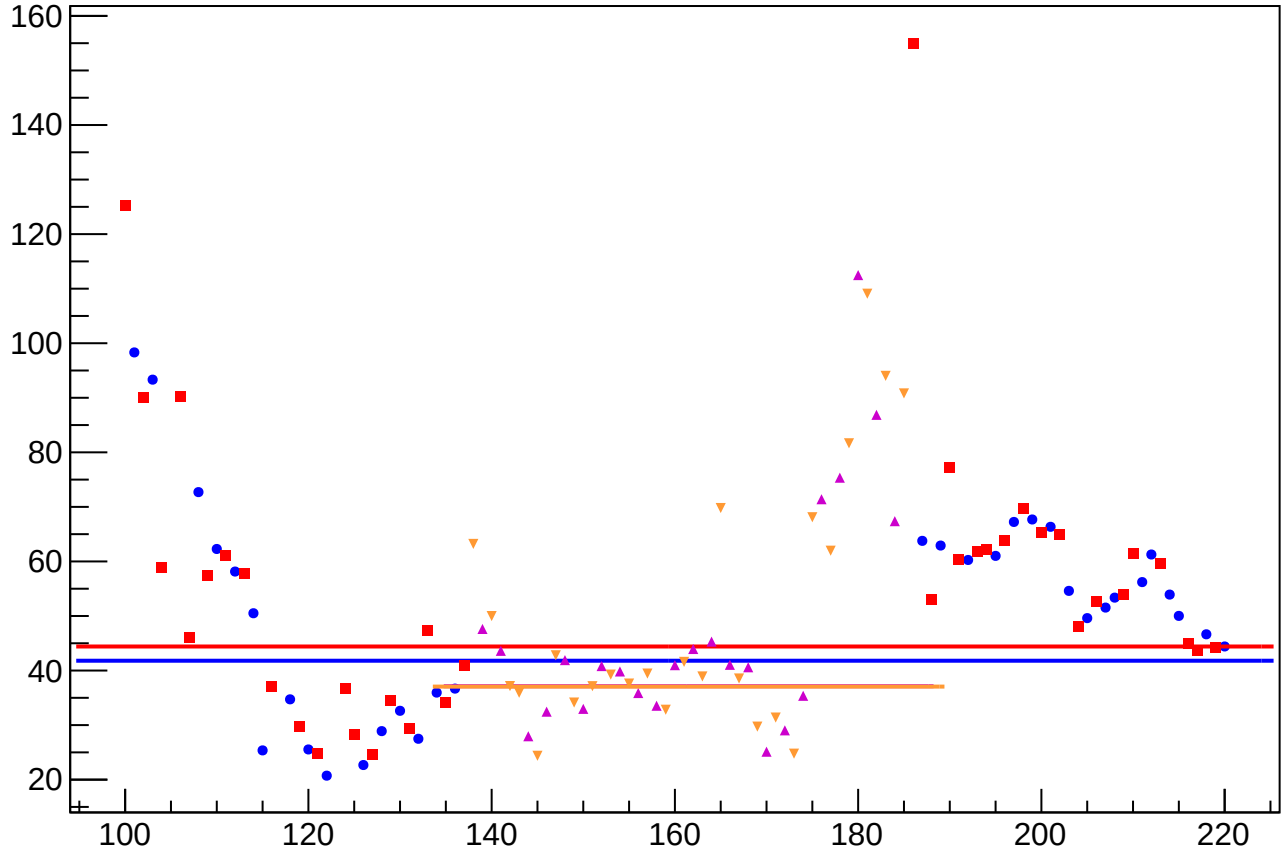
Right Out: 0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.018+/-0.007 χ^2/NDF: 81.0/57

All: 0.023+/-0.005 χ^2/NDF: 268.7/117

- sign 0.029+/-0.007 χ^2/NDF: 186.4/59



Right In: 41.800+/-0.007 χ^2/NDF: 5355850.2/32

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

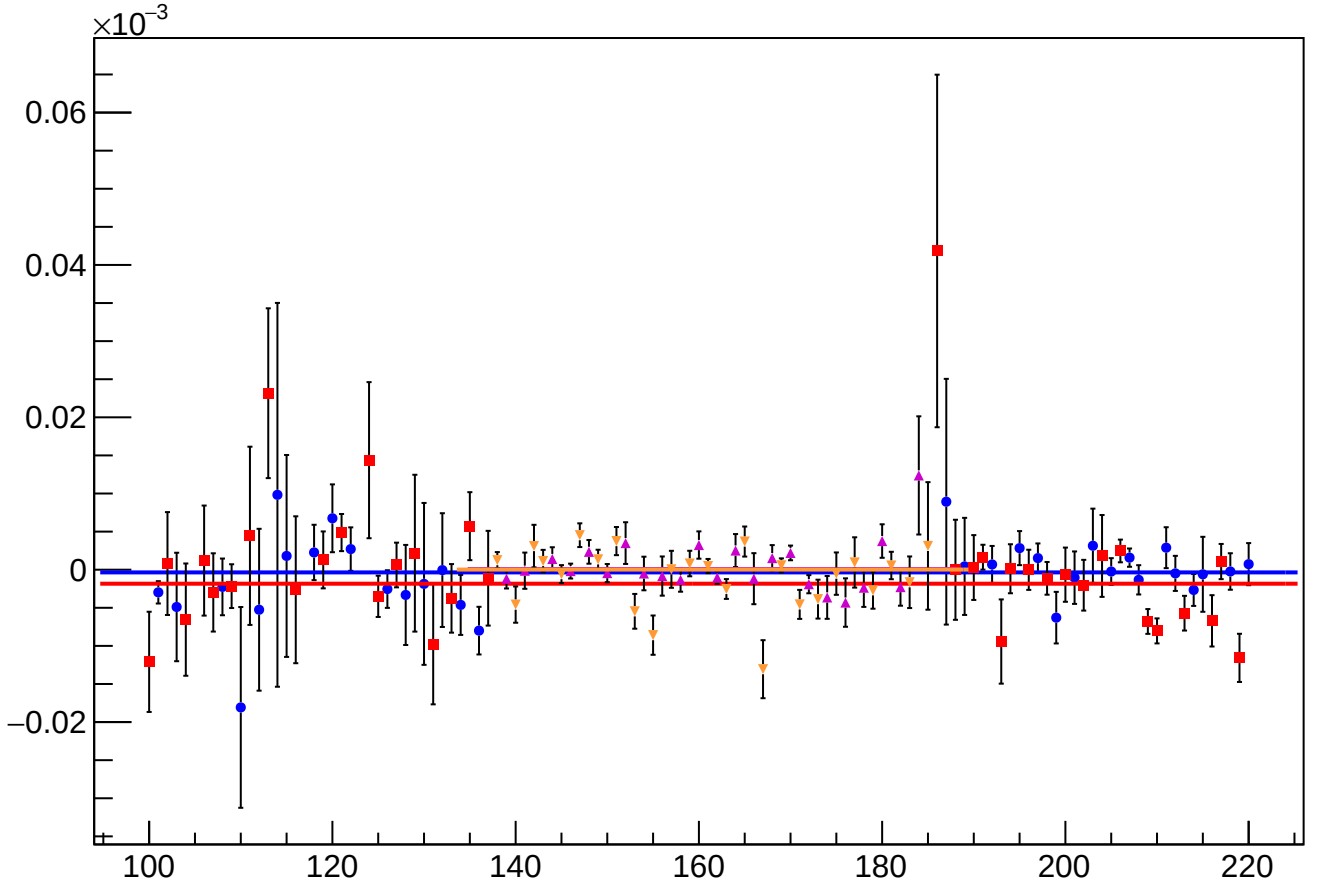
Right Out: 44.408+/-0.007 χ^2/NDF: 4587240.6/36

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 39.242+/-0.005 χ^2/NDF: 9658382.1/57

All: 39.815+/-0.003 χ^2/NDF: 17835576.3/117

- sign 40.428+/-0.005 χ^2/NDF: 8146951.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

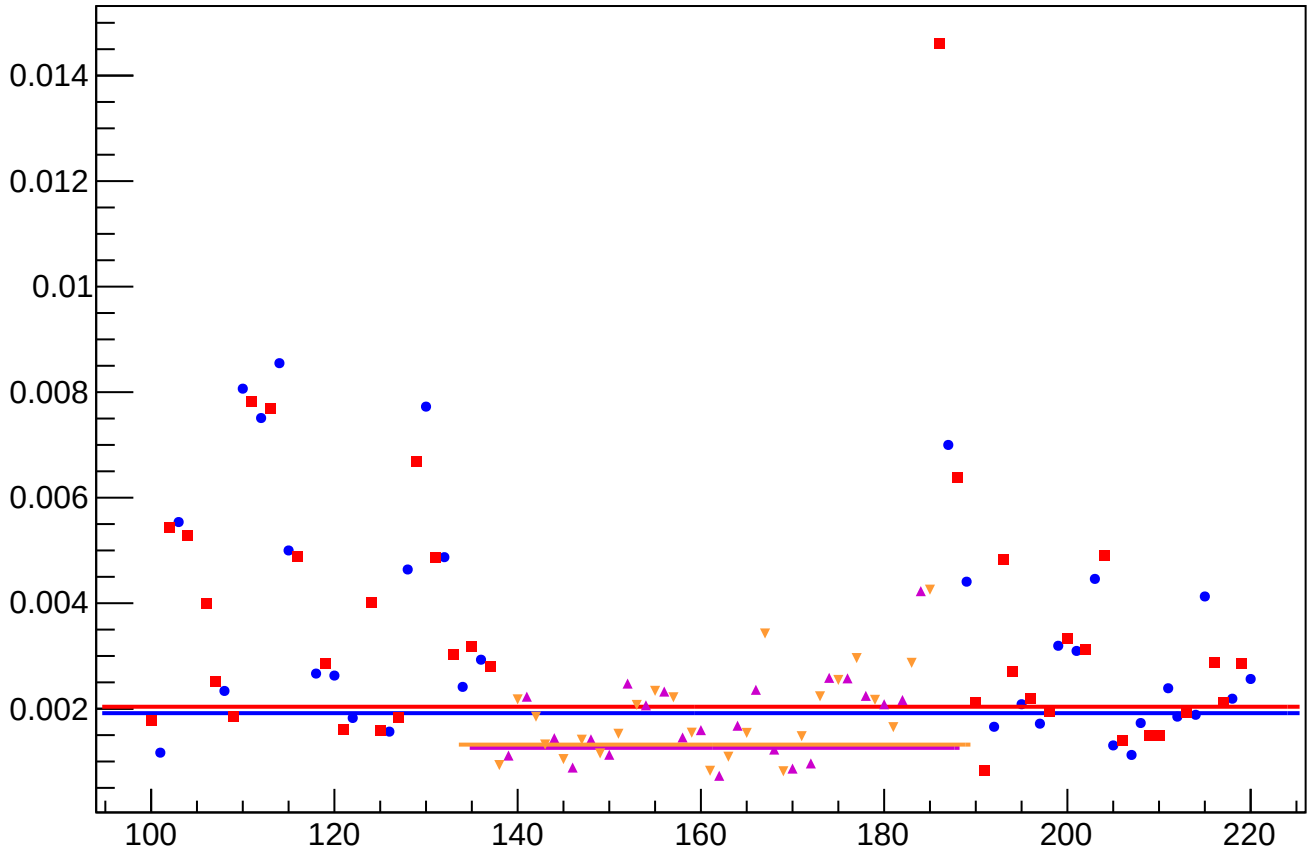
Right Out: -0.000+/-0.000 χ^2/NDF: 84.4/36

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 99.3/57

All: -0.000+/-0.000 χ^2/NDF: 226.9/117

- sign -0.000+/-0.000 χ^2/NDF: 126.7/59



Right In: 0.002+/-0.000 χ^2/NDF: 7341003.4/32

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

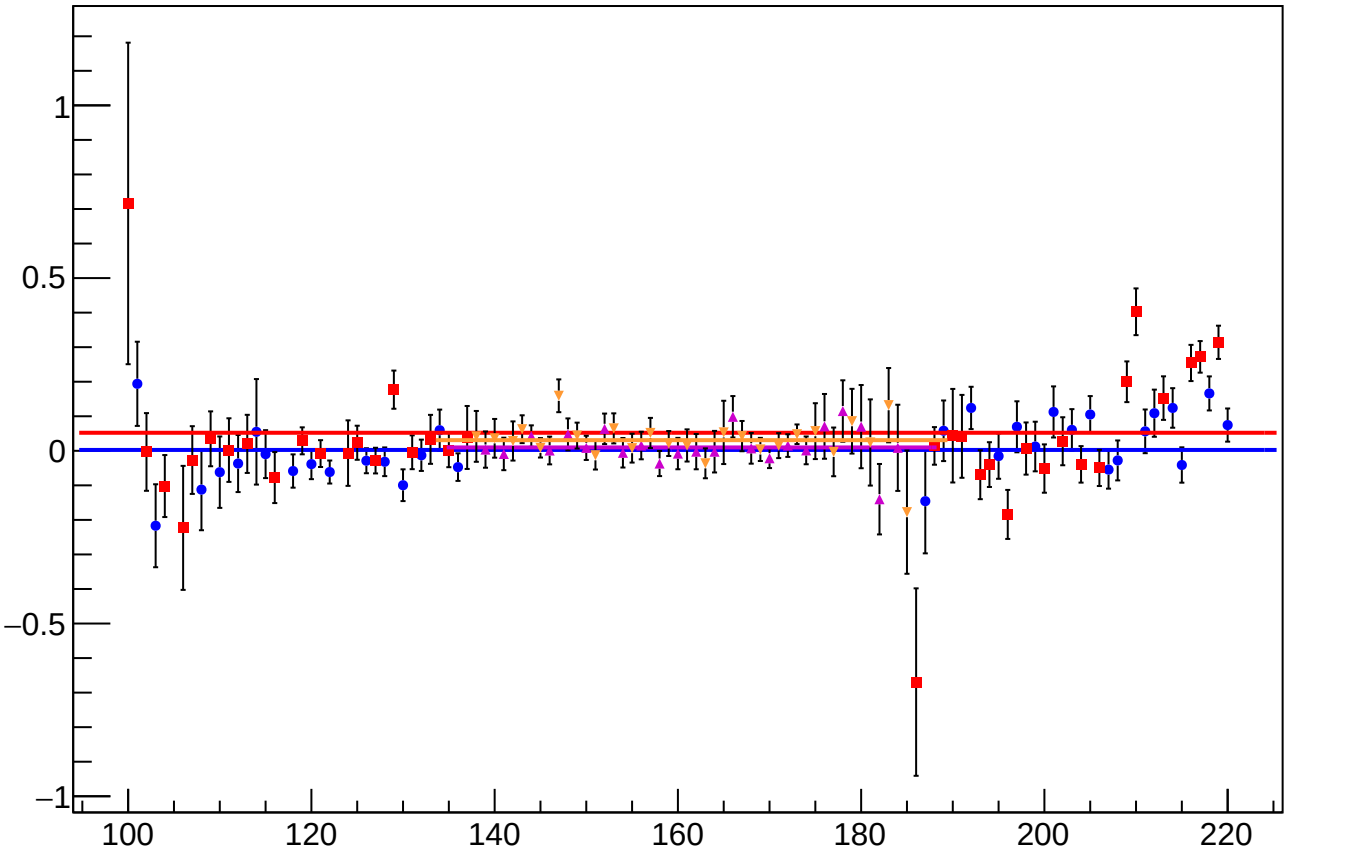
Right Out: 0.002+/-0.000 χ^2/NDF: 8782952.8/36

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.002+/-0.000 χ^2/NDF: 15043419.3/57

All: 0.001+/-0.000 χ^2/NDF: 32501711.6/117

- sign 0.001+/-0.000 χ^2/NDF: 17450427.4/59



Right In: 0.003+/-0.010 χ^2/NDF: 58.7/32

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

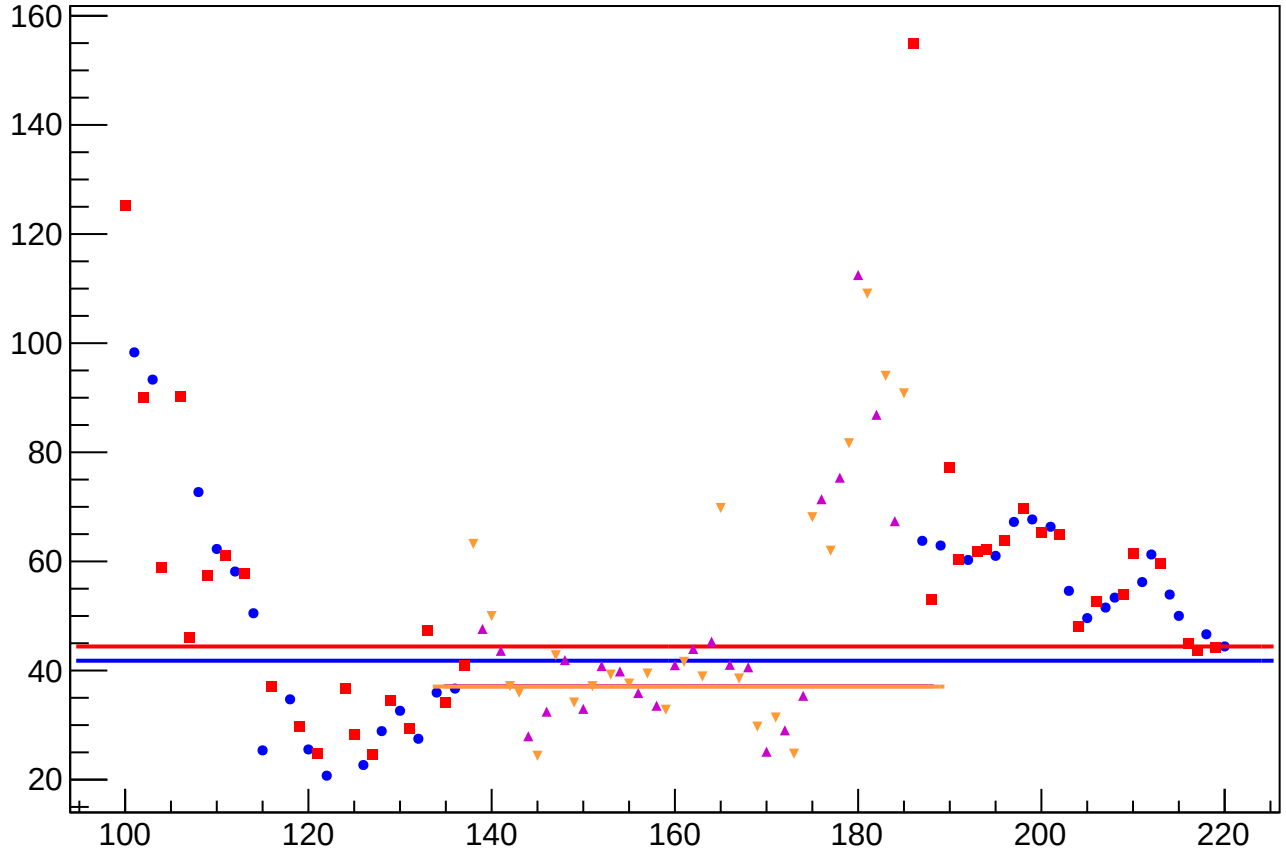
Right Out: 0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.018+/-0.007 χ^2/NDF: 81.0/57

All: 0.023+/-0.005 χ^2/NDF: 268.7/117

- sign 0.029+/-0.007 χ^2/NDF: 186.4/59



Right In: 41.800+/-0.007 χ^2/NDF: 5355713.8/32

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

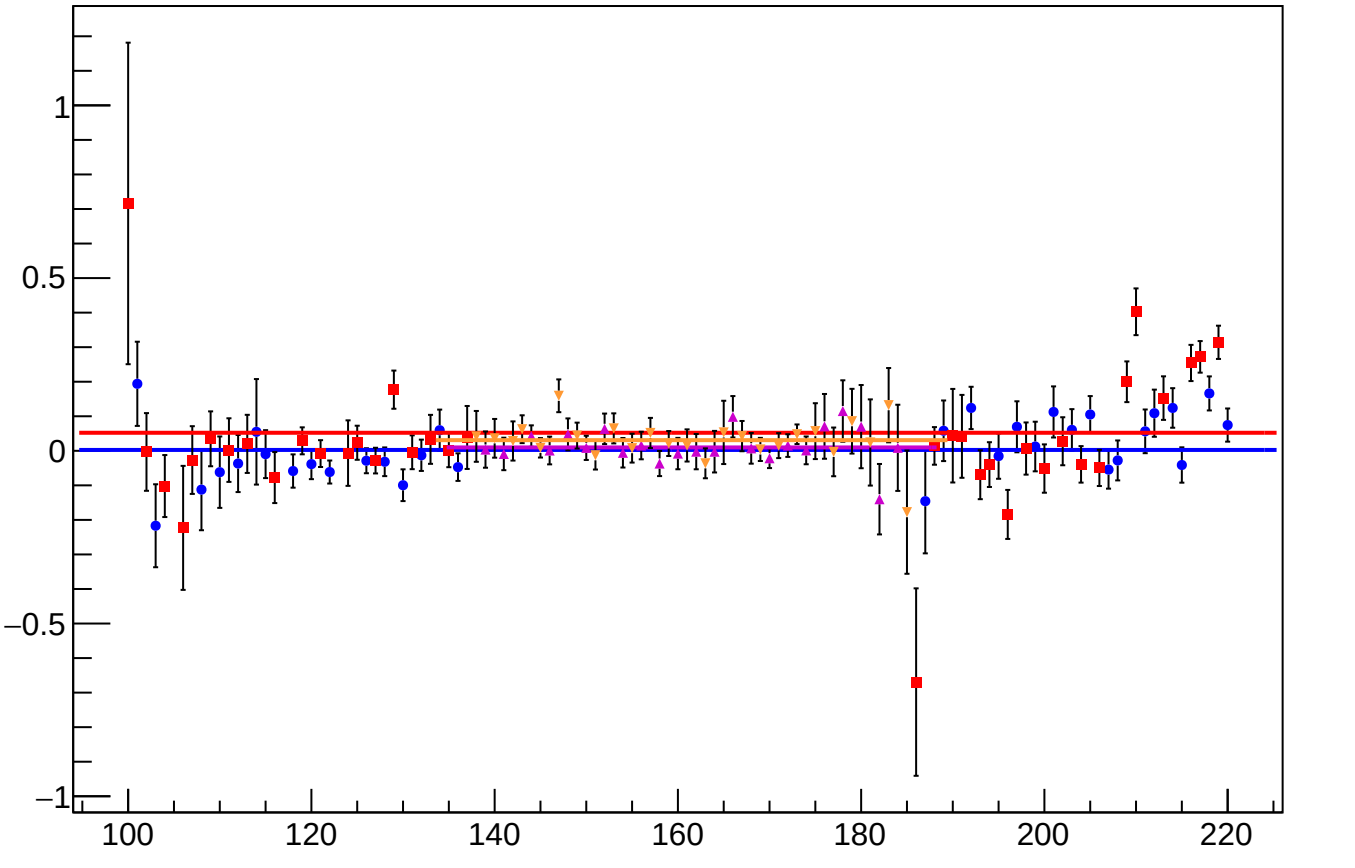
Right Out: 44.408+/-0.007 χ^2/NDF: 4587022.2/36

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 39.243+/-0.005 χ^2/NDF: 9658285.8/57

All: 39.815+/-0.003 χ^2/NDF: 17835284.1/117

- sign 40.428+/-0.005 χ^2/NDF: 8146756.1/59



Right In: 0.003+/-0.010 χ^2/NDF: 58.7/32

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

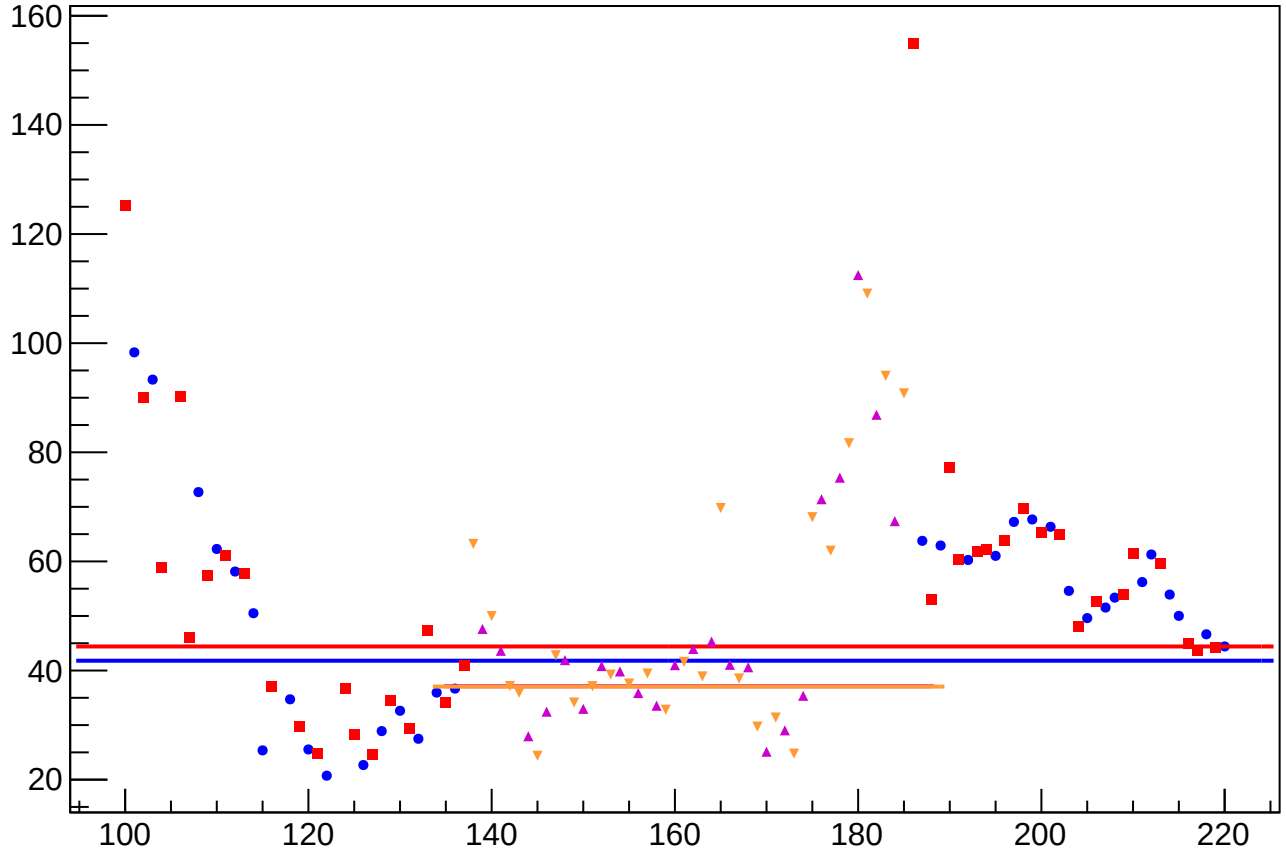
Right Out: 0.052+/-0.010 χ^2/NDF: 163.8/36

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

\+ sign 0.018+/-0.007 χ^2/NDF: 81.0/57

All: 0.023+/-0.005 χ^2/NDF: 268.7/117

\- sign 0.029+/-0.007 χ^2/NDF: 186.4/59



Right In: 41.800+/-0.007 χ^2/NDF: 5355713.8/32

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

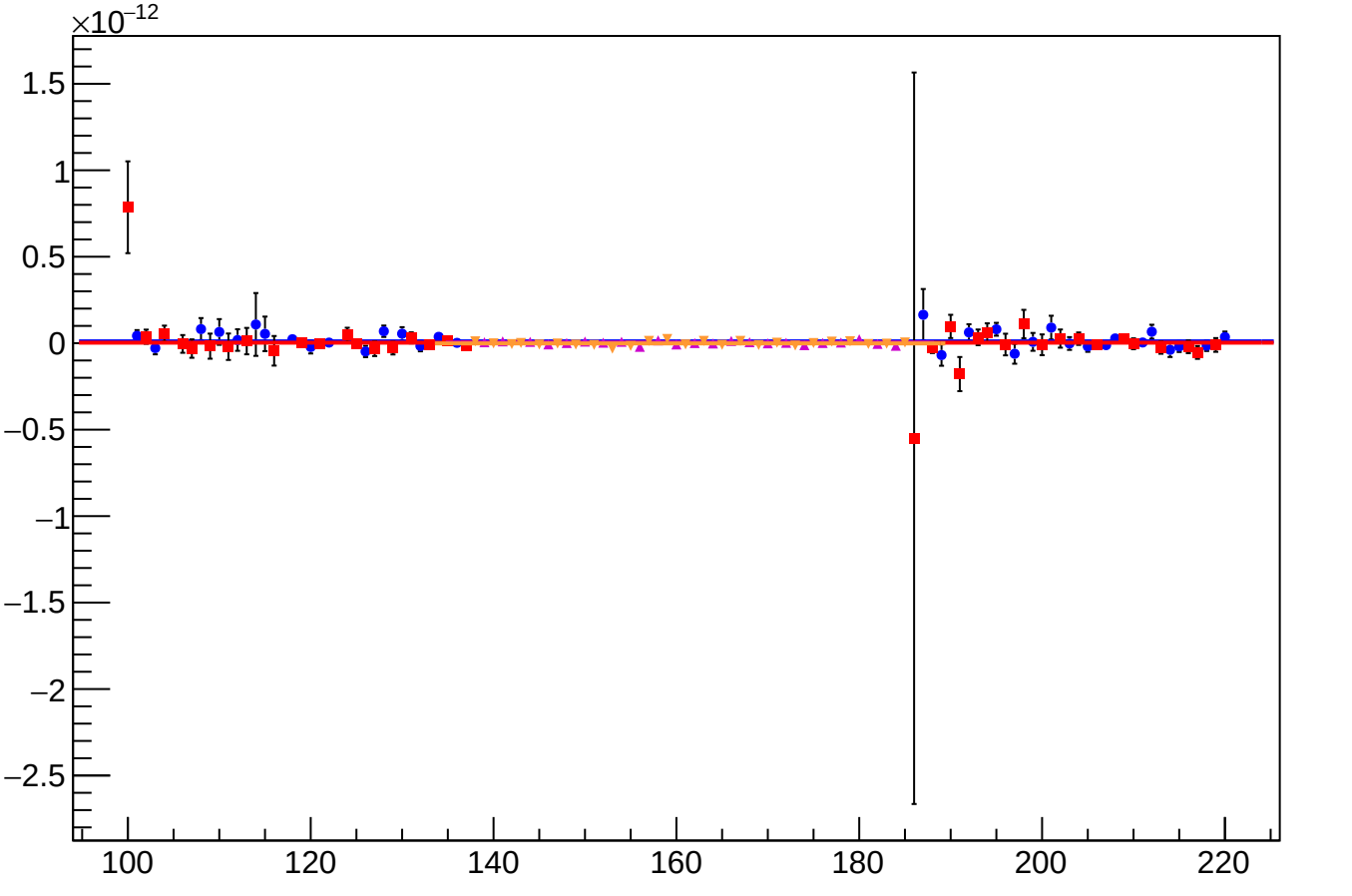
Right Out: 44.408+/-0.007 χ^2/NDF: 4587022.2/36

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 39.243+/-0.005 χ^2/NDF: 9658285.8/57

All: 39.815+/-0.003 χ^2/NDF: 17835284.1/117

- sign 40.428+/-0.005 χ^2/NDF: 8146756.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 35.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

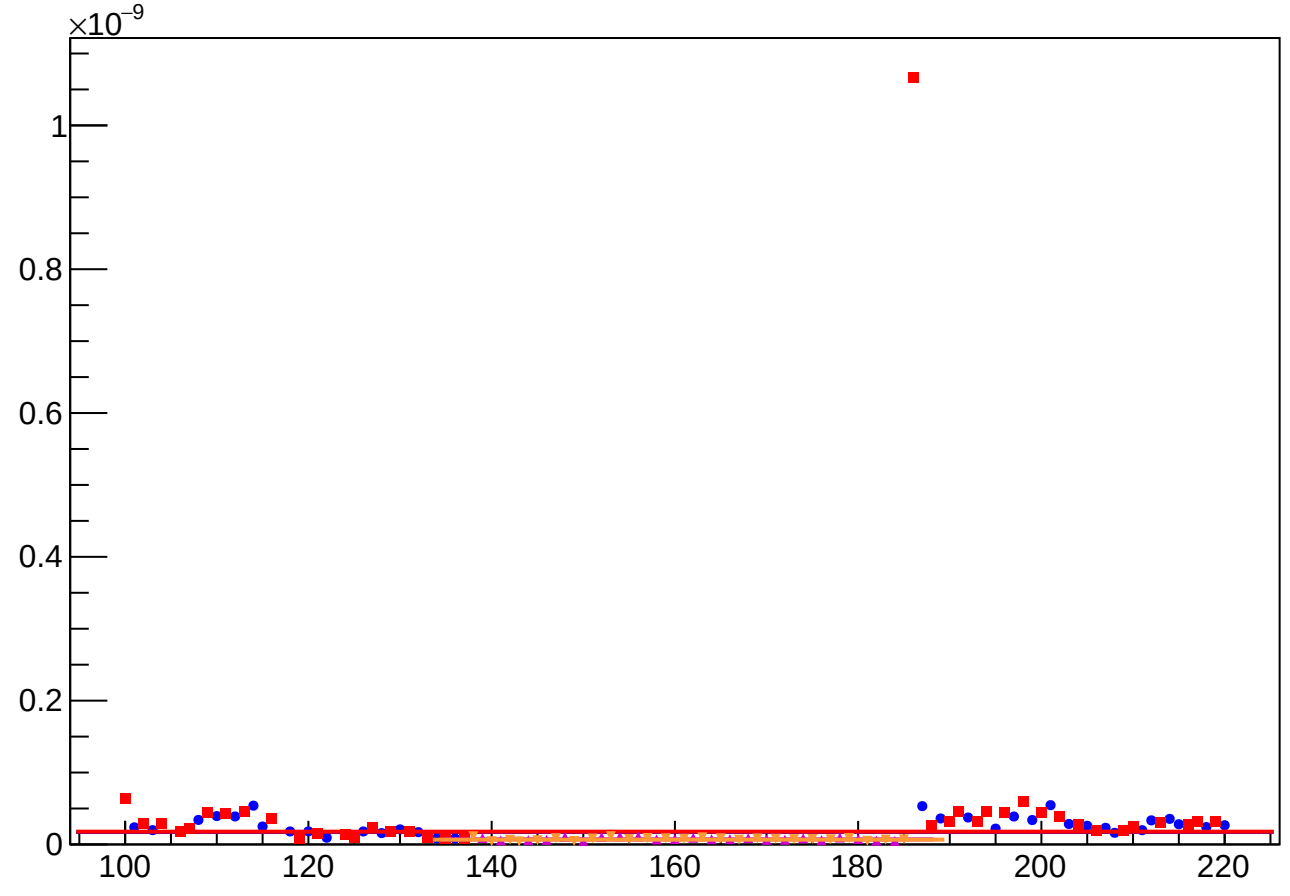
Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/36

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.7/57

All: 0.000+/-0.000 χ^2/NDF: 120.0/117

- sign 0.000+/-0.000 χ^2/NDF: 53.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 6684375.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8388985.0/36

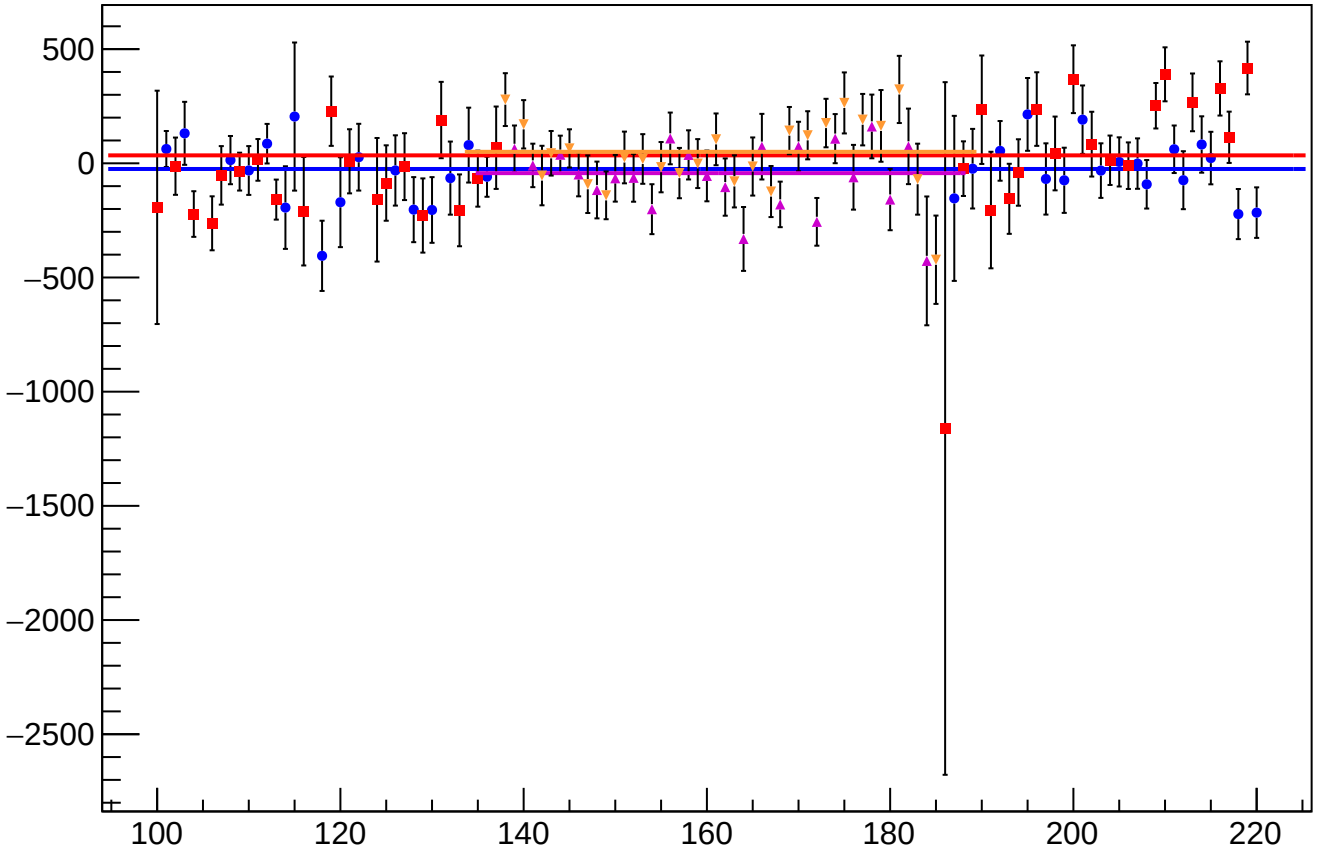
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 16013524.8/57

All: 0.000+/-0.000 χ^2/NDF: 32730786.8/117

- sign 0.000+/-0.000 χ^2/NDF: 16648945.0/59

reg_asym_sam_1548_avg_mean vs Slug



Right In: -24.849+/-21.895 χ^2/NDF: 29.7/32

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: 34.788+/-21.704 χ^2/NDF: 75.8/36

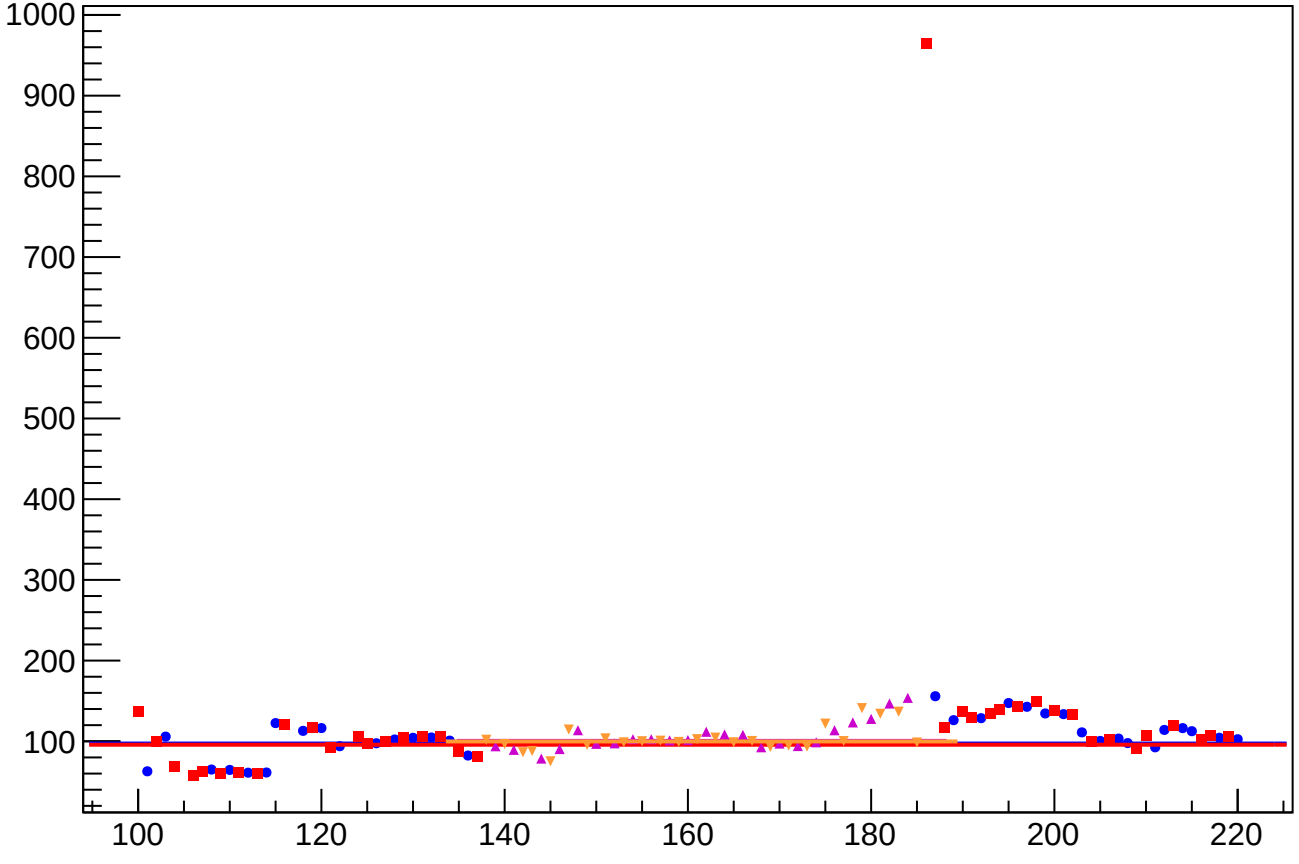
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 10.952+/-15.844 χ^2/NDF: 68.8/57

All: 5.237+/-11.267 χ^2/NDF: 177.4/117

- sign -0.610+/-16.024 χ^2/NDF: 108.3/59

reg_asym_sam_1548_avg_rms vs Slug



Right In: 97.212+/-0.015 χ^2/NDF: 2331028.6/32

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

Right Out: 95.758+/-0.015 χ^2/NDF: 3584528.3/36

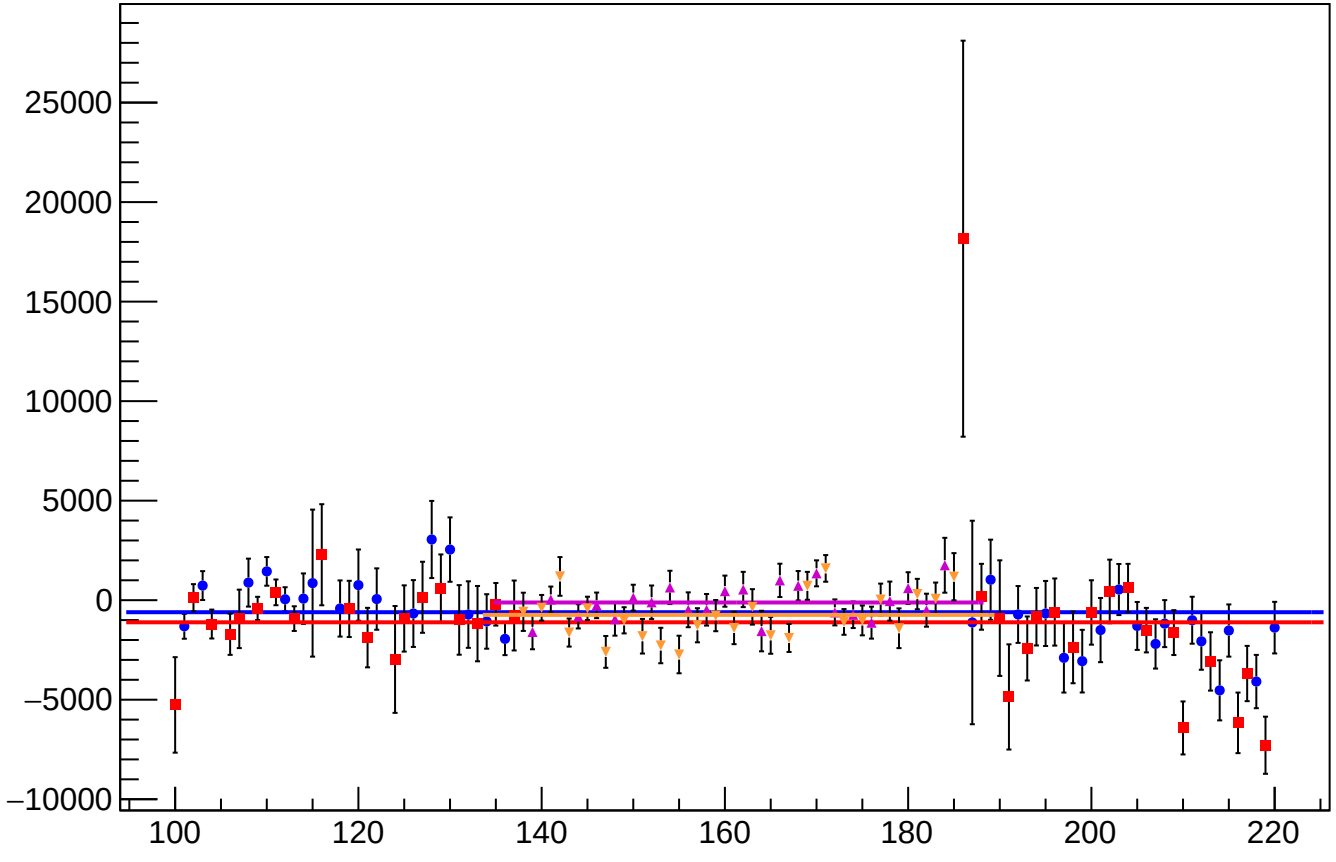
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 98.463+/-0.011 χ^2/NDF: 3042505.1/57

All: 98.192+/-0.008 χ^2/NDF: 7328456.7/117

\- sign 97.914+/-0.011 χ^2/NDF: 4284764.2/59

asym_sam_1548_avg_reg_correction_mean vs Slug



Right In: -604.121+/-206.488 χ^2/NDF: 50.6/32

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -1111.304+/-199.015 χ^2/NDF: 80.3/36

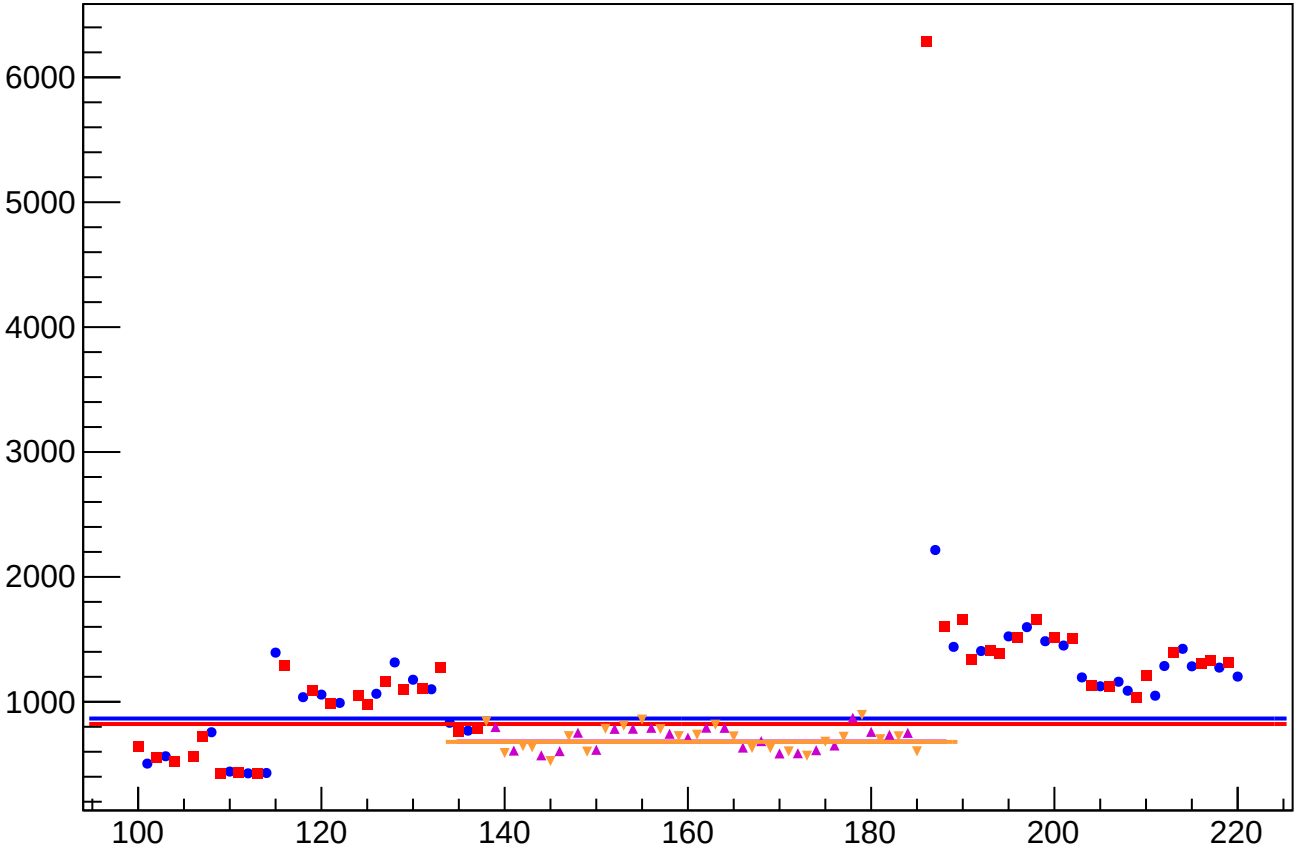
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -689.460+/-124.629 χ^2/NDF: 100.5/57

All: -599.849+/-88.315 χ^2/NDF: 220.7/117

- sign -509.466+/-125.165 χ^2/NDF: 119.1/59

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 866.121+/-0.146 χ^2/NDF: 6662889.4/32

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 822.098+/-0.141 χ^2/NDF: 8656813.9/36

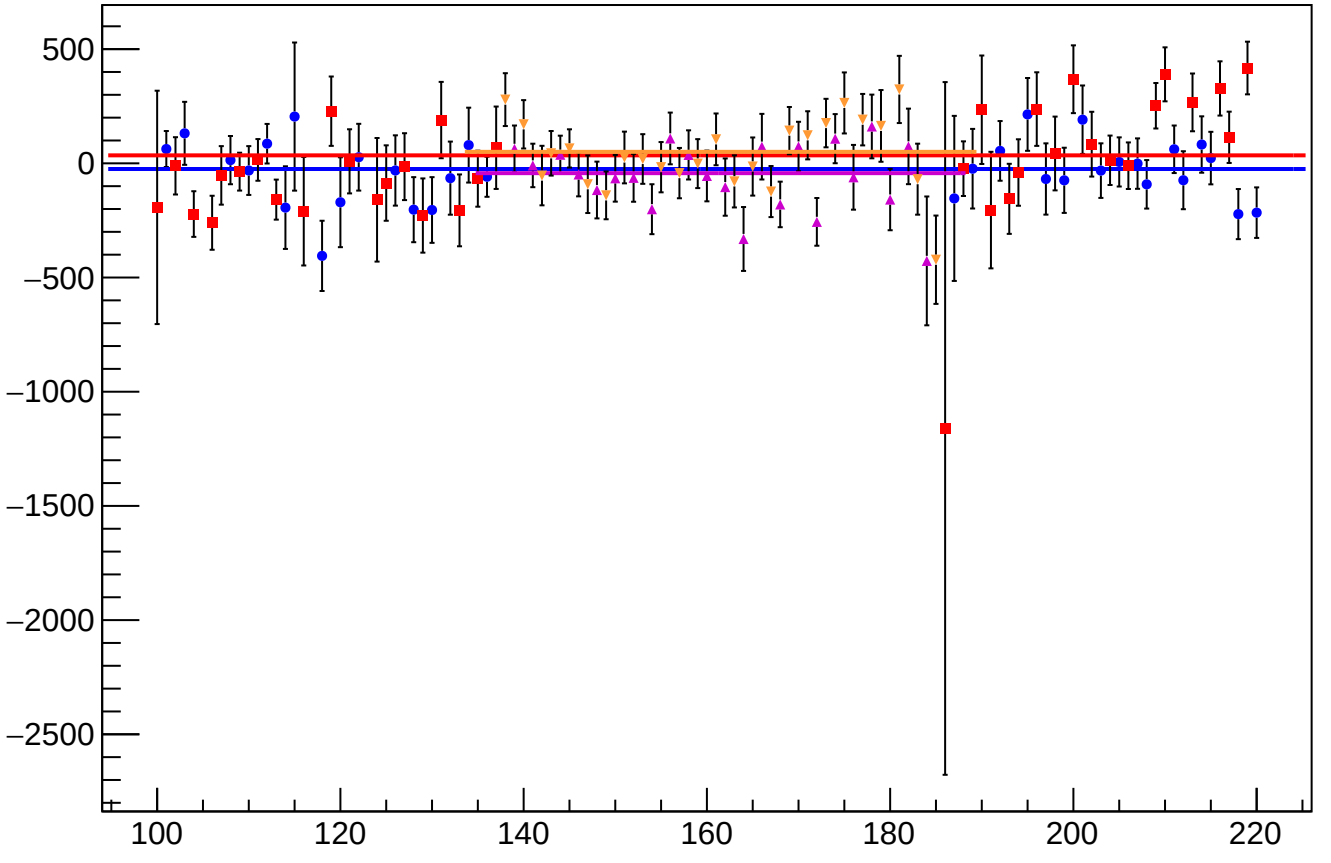
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 747.260+/-0.088 χ^2/NDF: 8442785.3/57

All: 742.326+/-0.062 χ^2/NDF: 18279706.6/11

- sign 737.350+/-0.089 χ^2/NDF: 9830626.2/59

cor_asym_sam_1548_avg_mean vs Slug



Right In: -24.851+/-21.895 χ^2/NDF: 29.7/32

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 34.931+/-21.704 χ^2/NDF: 75.7/36

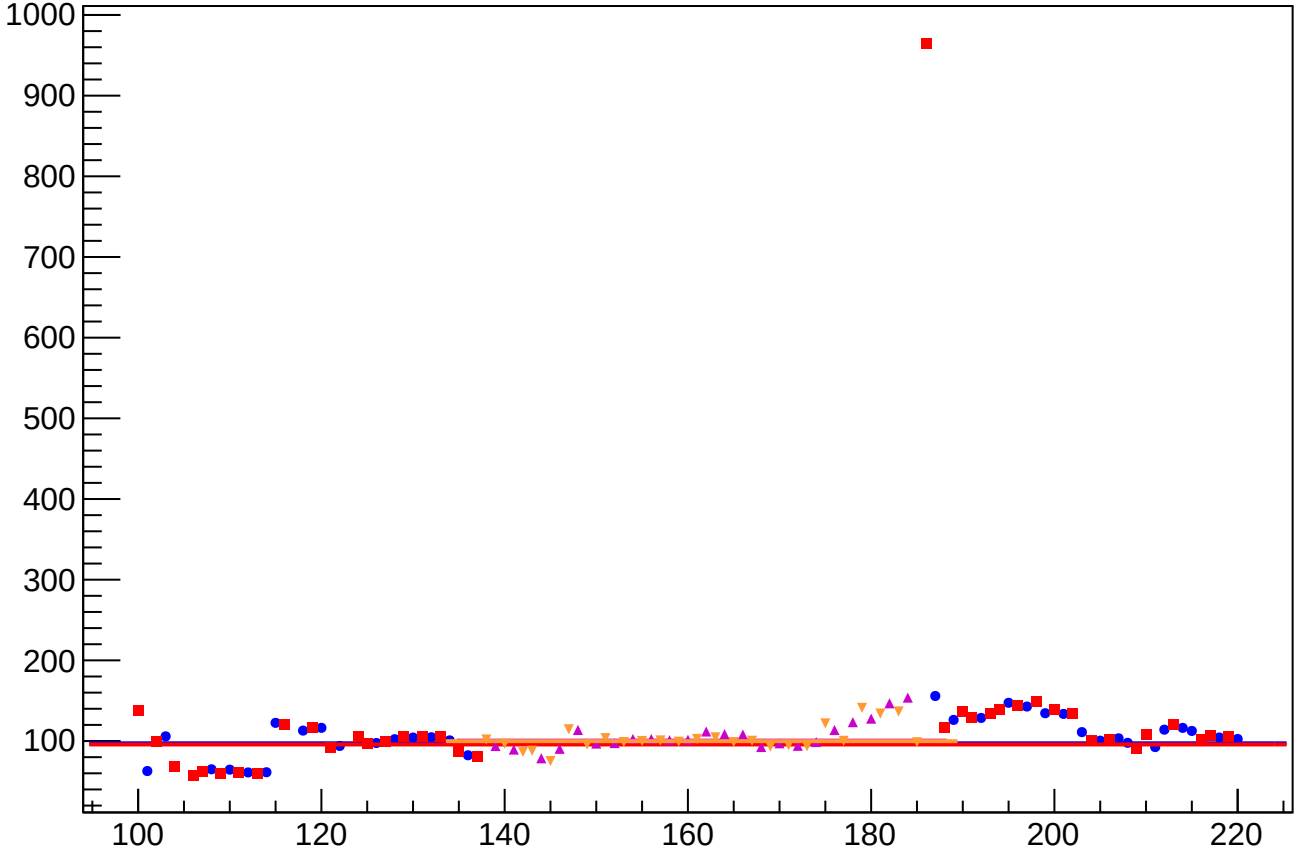
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 10.955+/-15.844 χ^2/NDF: 68.8/57

All: 5.276+/-11.267 χ^2/NDF: 177.3/117

- sign -0.533+/-16.024 χ^2/NDF: 108.2/59

cor_asym_sam_1548_avg_rms vs Slug



Right In: 97.212+/-0.015 χ^2/NDF: 2331029.6/32

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

Right Out: 95.750+/-0.015 χ^2/NDF: 3588036.5/36

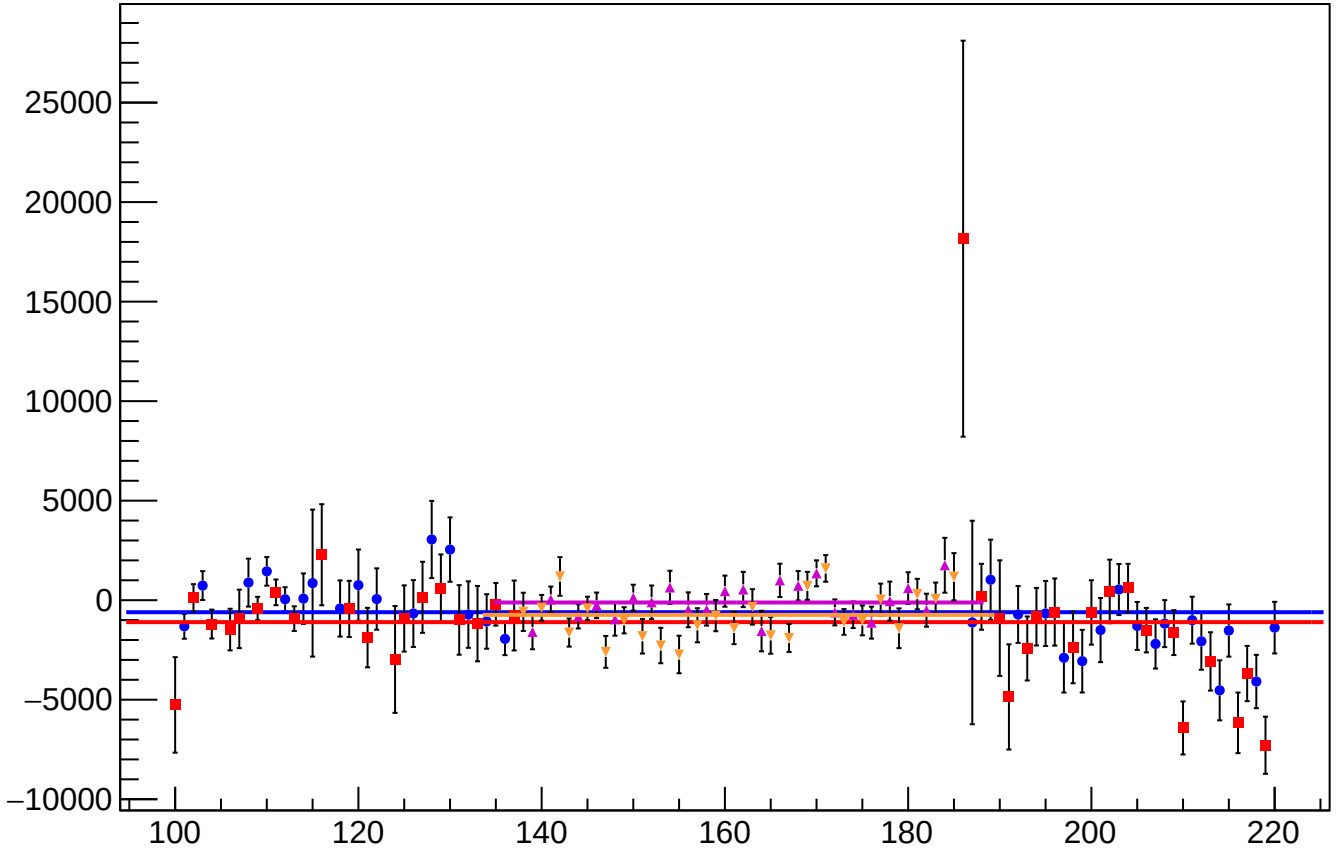
Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 98.463+/-0.011 χ^2/NDF: 3042506.0/57

All: 98.190+/-0.008 χ^2/NDF: 7332143.7/117

\- sign 97.910+/-0.011 χ^2/NDF: 4288430.1/59

asym_sam_1548_avg_cor_correction_mean vs Slug



Right In: -604.146+/-206.489 χ^2/NDF: 50.6/32

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -1102.768+/-199.101 χ^2/NDF: 80.0/36

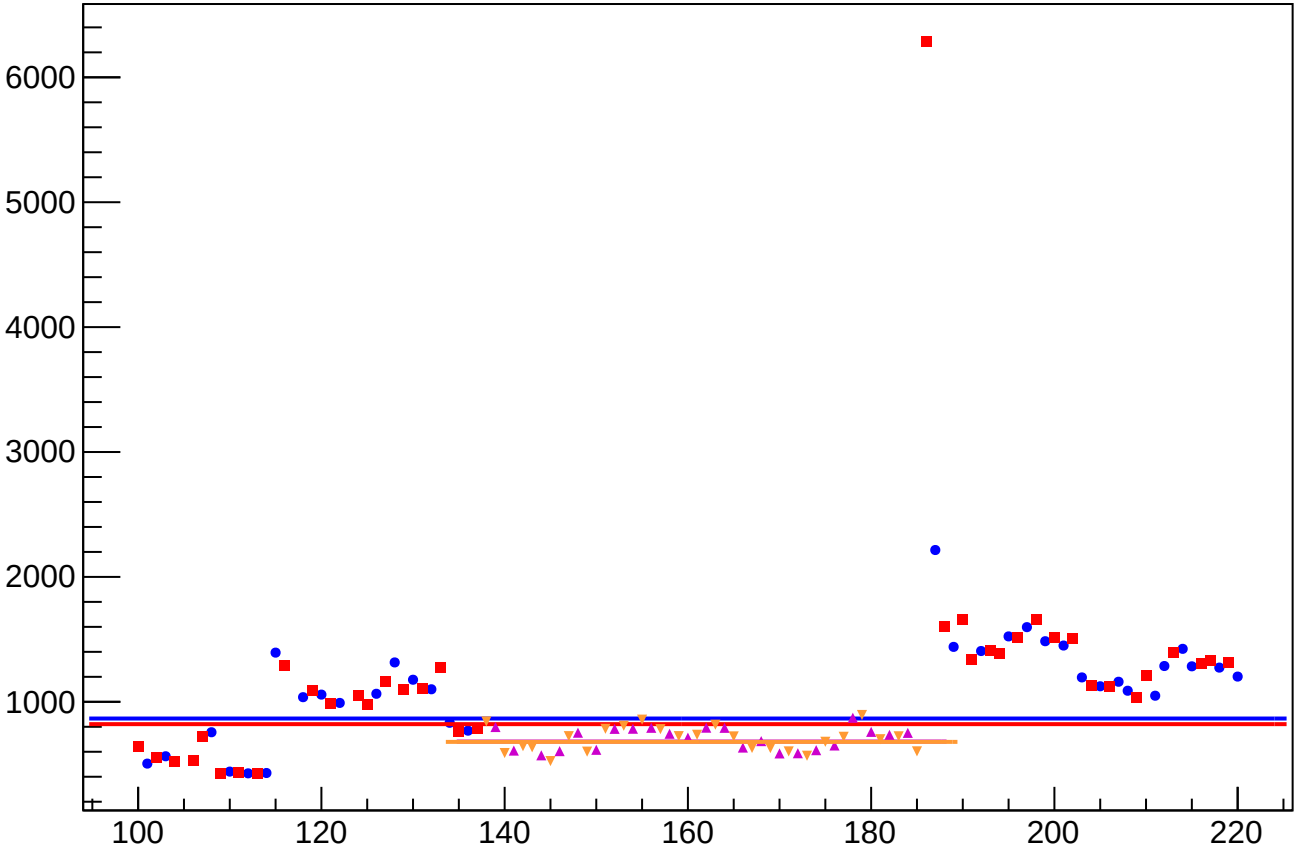
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -689.462+/-124.629 χ^2/NDF: 100.5/57

All: -598.083+/-88.322 χ^2/NDF: 220.2/117

- sign -505.886+/-125.186 χ^2/NDF: 118.6/59

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 866.131+/-0.146 χ^2/NDF: 6662691.5/32

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 821.120+/-0.141 χ^2/NDF: 8687552.9/36

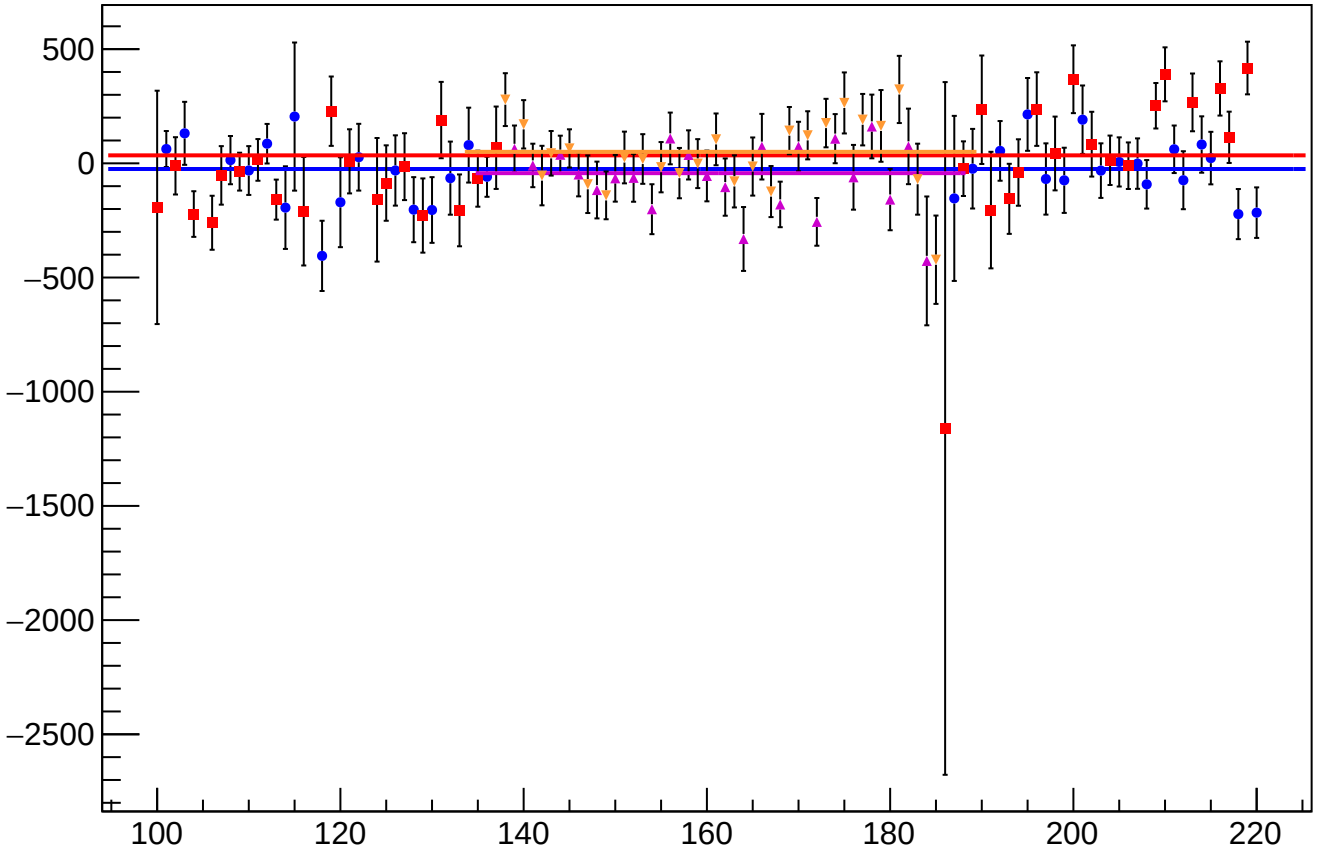
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 747.262+/-0.088 χ^2/NDF: 8442680.5/57

All: 742.121+/-0.062 χ^2/NDF: 18302228.5/11

- sign 736.934+/-0.089 χ^2/NDF: 9852711.0/59

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -24.851+/-21.895 χ^2/NDF: 29.7/32

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: 34.931+/-21.704 χ^2/NDF: 75.7/36

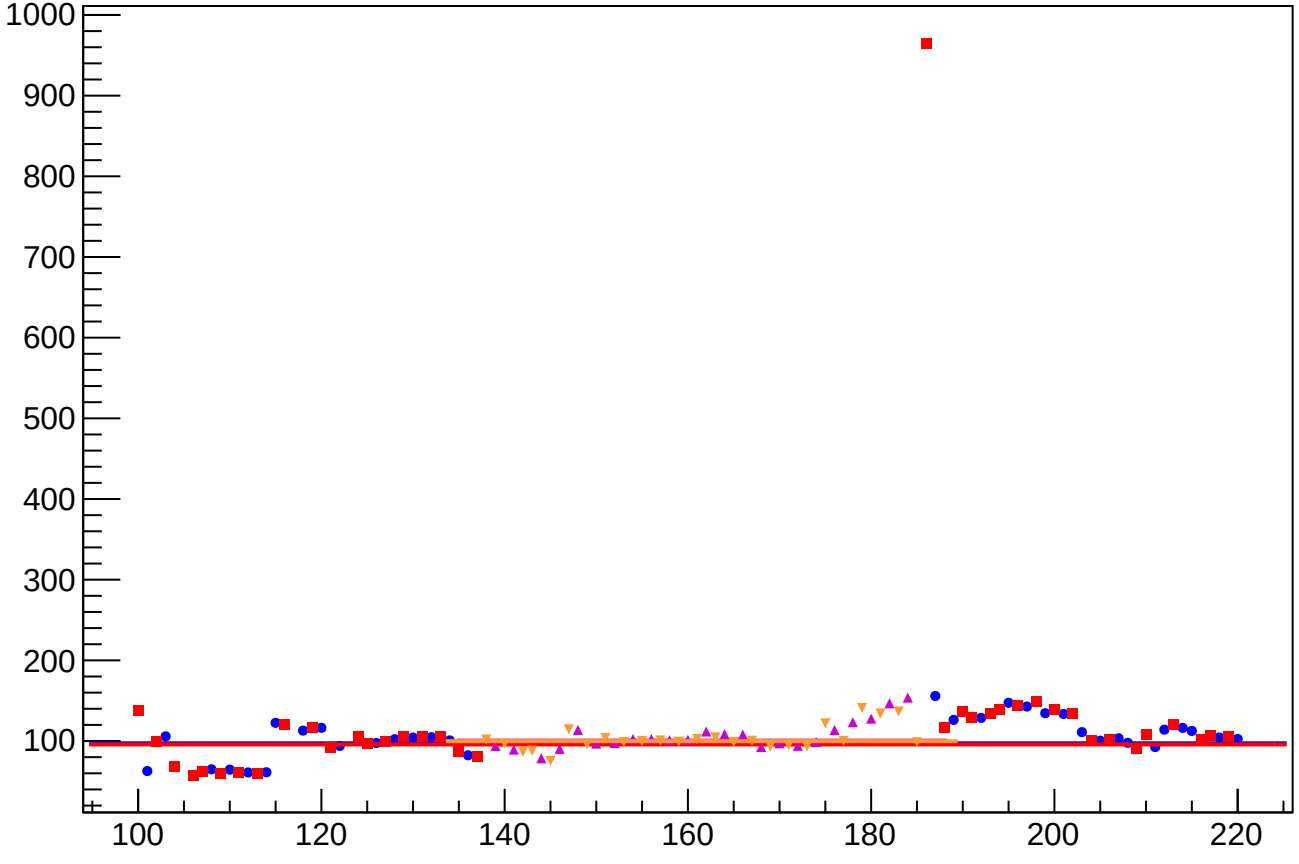
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 10.955+/-15.844 χ^2/NDF: 68.8/57

All: 5.276+/-11.267 χ^2/NDF: 177.3/117

- sign -0.533+/-16.024 χ^2/NDF: 108.2/59

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 97.212+/-0.015 χ^2/NDF: 2331029.6/32

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

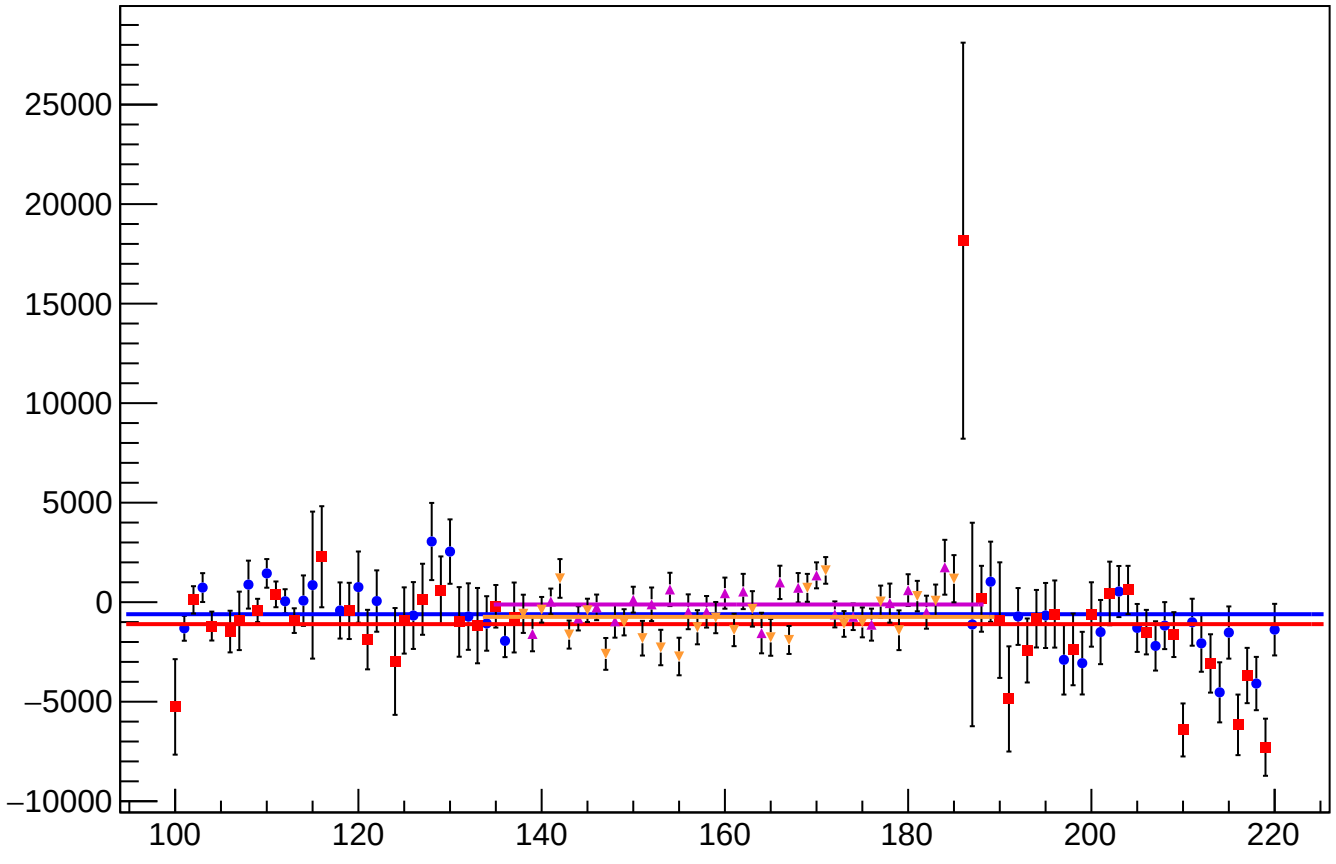
Right Out: 95.750+/-0.015 χ^2/NDF: 3588036.5/36

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 98.463+/-0.011 χ^2/NDF: 3042506.0/57

All: 98.190+/-0.008 χ^2/NDF: 7332143.7/117

\- sign 97.910+/-0.011 χ^2/NDF: 4288430.1/59



Right In: -604.146+/-206.489 χ^2/NDF: 50.6/32

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

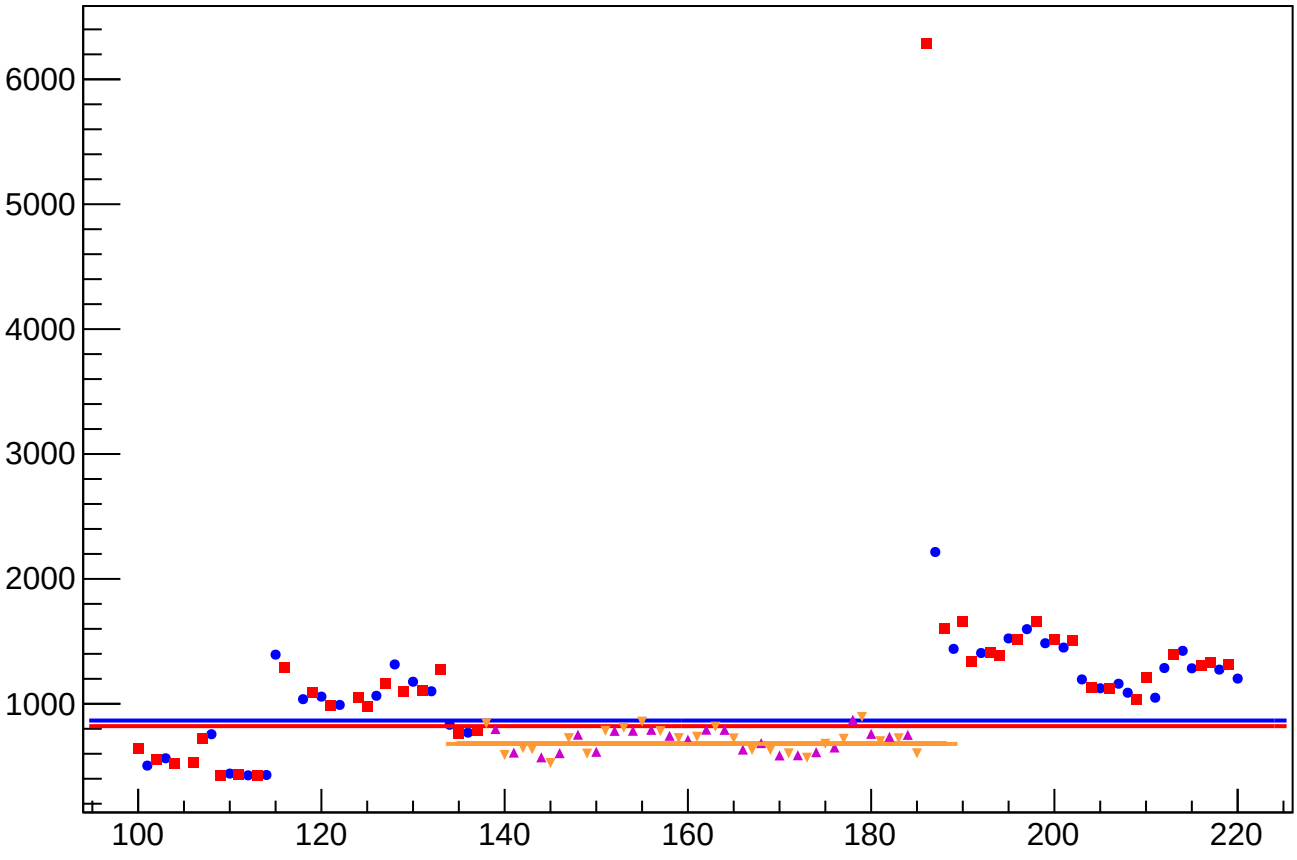
Right Out: -1102.768+/-199.101 χ^2/NDF: 80.0/36

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -689.462+/-124.629 χ^2/NDF: 100.5/57

All: -598.083+/-88.322 χ^2/NDF: 220.2/117

- sign -505.886+/-125.186 χ^2/NDF: 118.6/59



Right In: 866.131+/-0.146 χ^2/NDF: 6662691.5/32

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 821.120+/-0.141 χ^2/NDF: 8687552.9/36

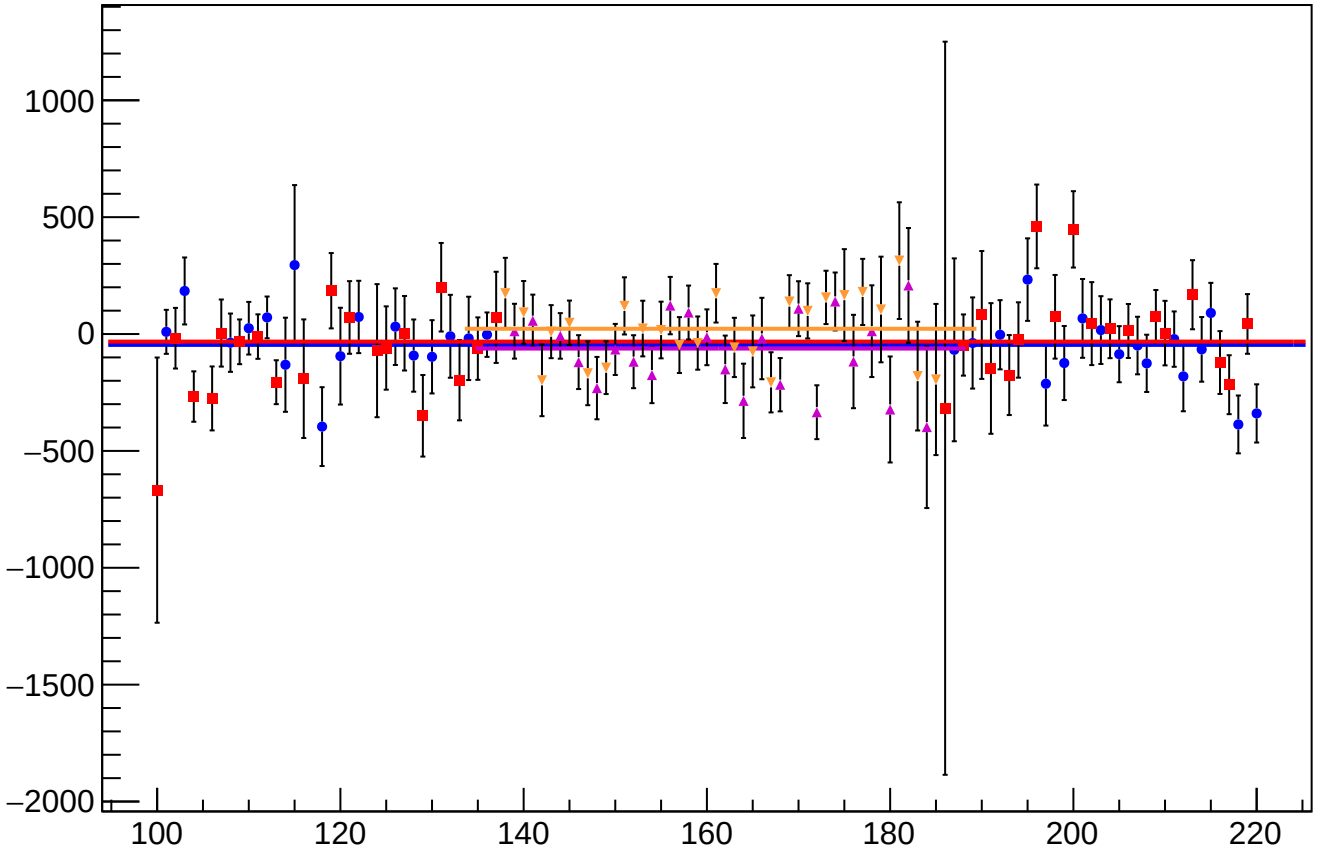
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 747.262+/-0.088 χ^2/NDF: 8442680.5/57

All: 742.121+/-0.062 χ^2/NDF: 18302228.5/11

- sign 736.934+/-0.089 χ^2/NDF: 9852711.0/59

dit_asym_sam_1548_avg_mean vs Slug



Right In: -46.421+/-24.380 χ^2/NDF: 31.9/32

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -32.365+/-24.088 χ^2/NDF: 45.5/36

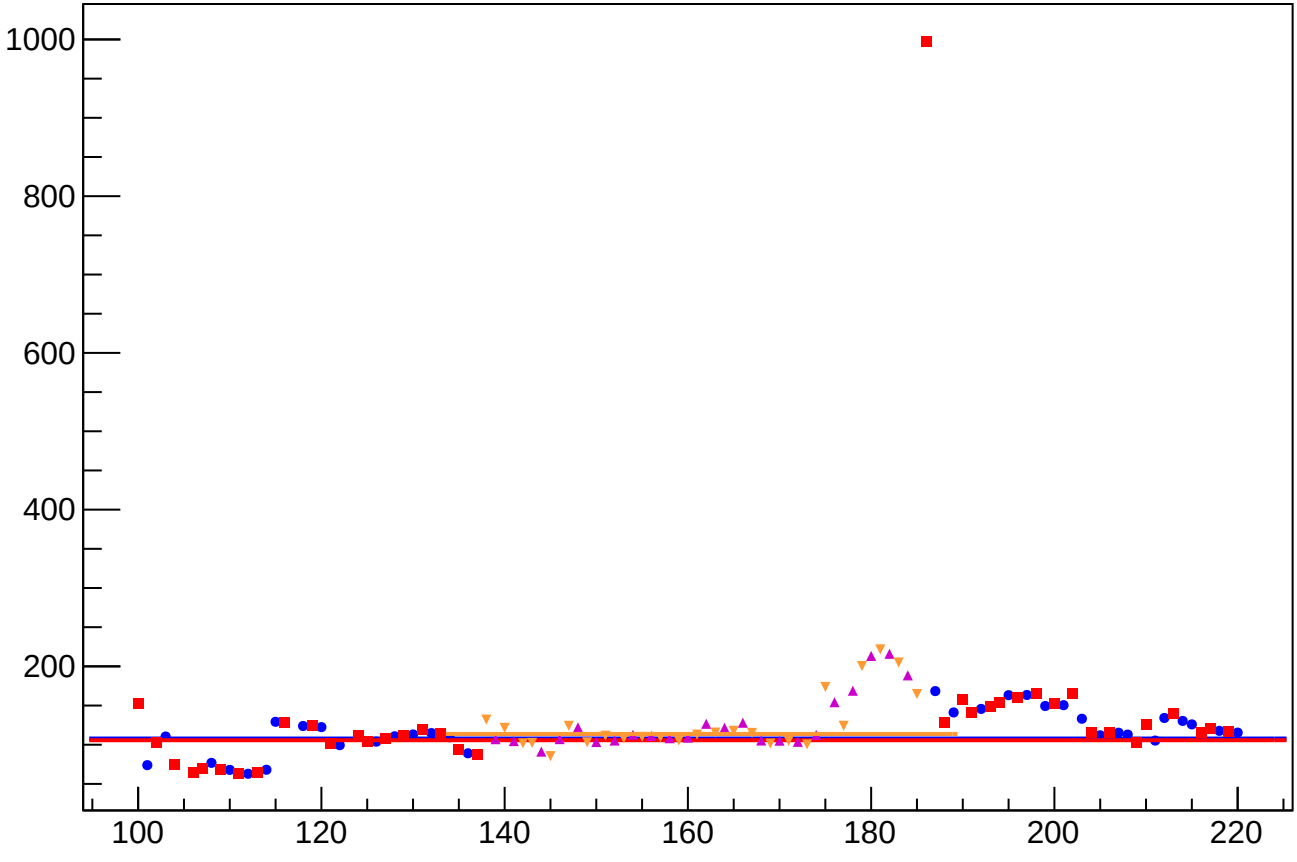
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign -14.992+/-17.986 χ^2/NDF: 57.1/57

All: -30.118+/-12.749 χ^2/NDF: 132.0/117

- sign -45.390+/-18.073 χ^2/NDF: 73.5/59

dit_asym_sam_1548_avg_rms vs Slug



Right In: 107.898+/-0.017 χ^2/NDF: 2489079.4/32

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 105.740+/-0.017 χ^2/NDF: 3821603.0/36

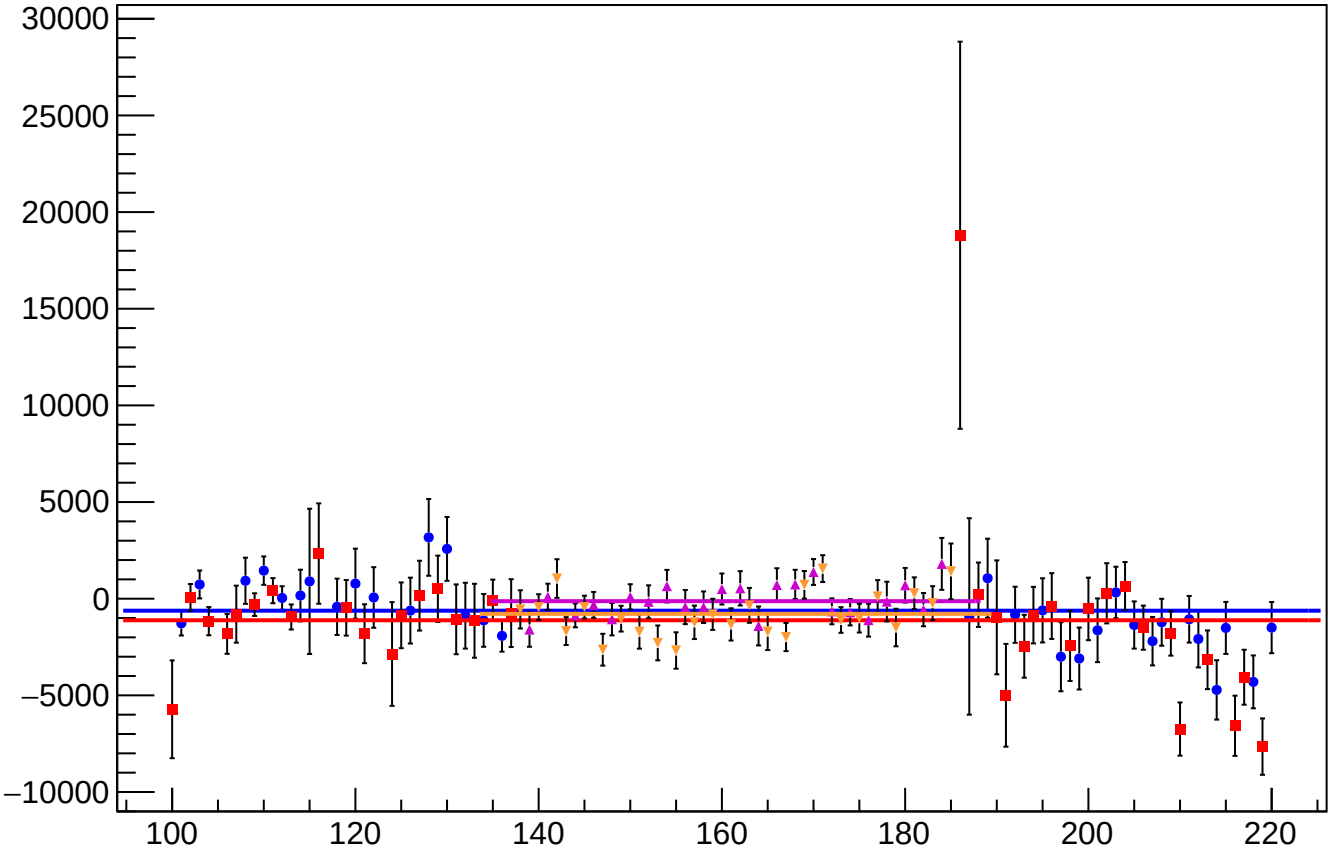
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 110.572+/-0.013 χ^2/NDF: 4121807.3/57

All: 109.894+/-0.009 χ^2/NDF: 9360075.1/117

- sign 109.208+/-0.013 χ^2/NDF: 5232547.2/59

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -620.513+/-209.297 χ^2/NDF: 51.1/32

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -1116.177+/-201.581 χ^2/NDF: 86.1/36

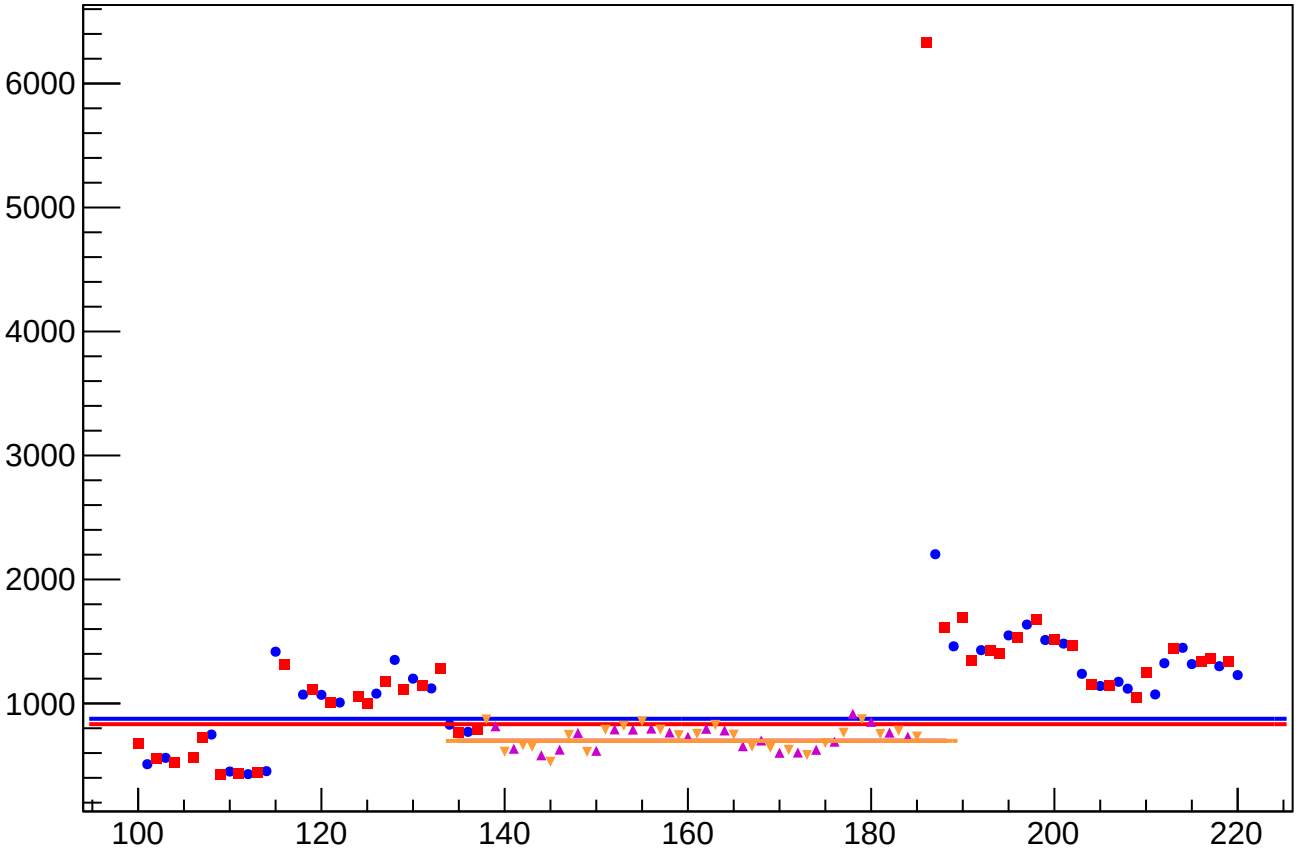
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -723.649+/-127.353 χ^2/NDF: 96.9/57

All: -624.810+/-90.210 χ^2/NDF: 221.4/117

- sign -525.278+/-127.799 χ^2/NDF: 123.2/59

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 876.381+/-0.148 χ^2/NDF: 6809421.3/32

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 832.752+/-0.143 χ^2/NDF: 8683270.9/36

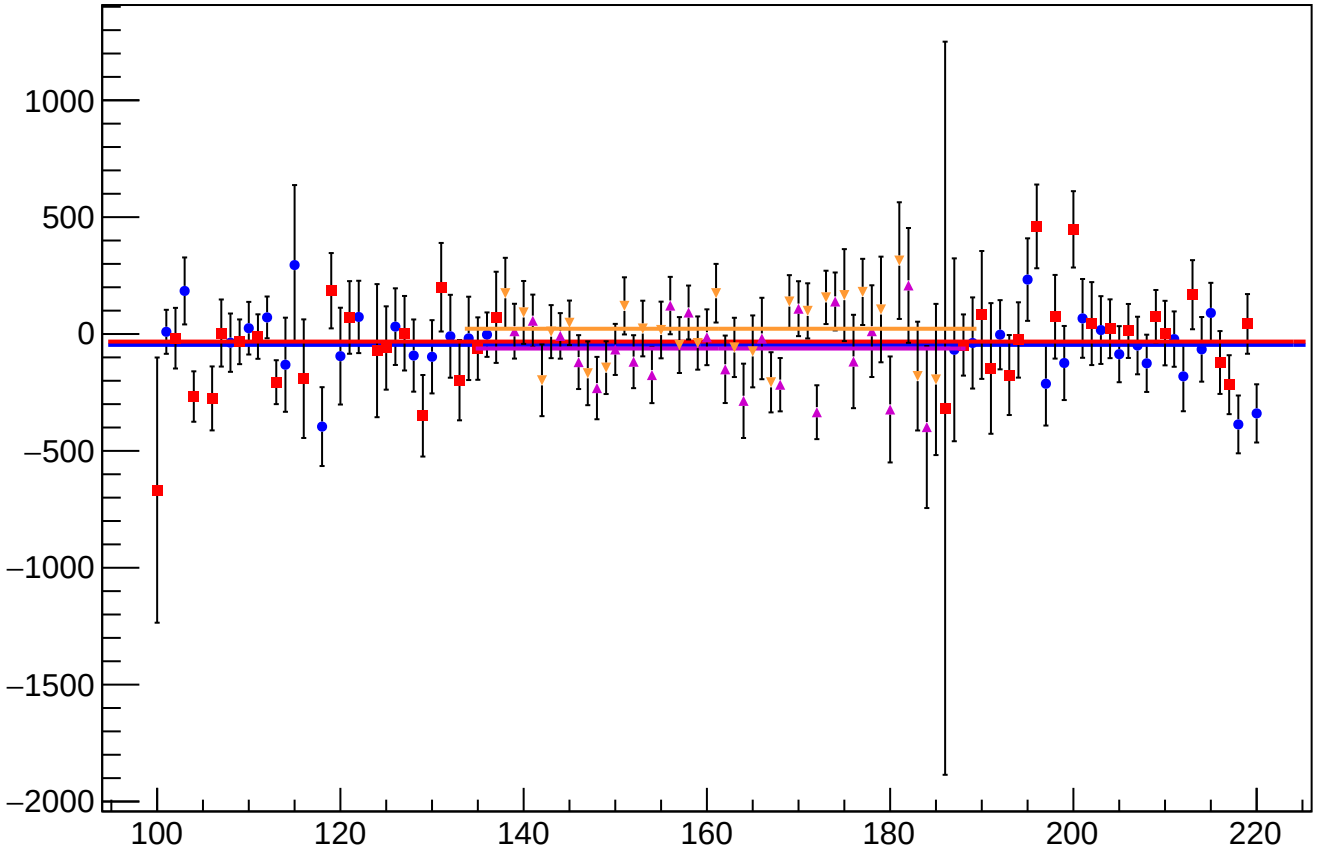
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 764.195+/-0.090 χ^2/NDF: 8436570.3/57

All: 758.819+/-0.064 χ^2/NDF: 18229450.0/11

- sign 753.406+/-0.090 χ^2/NDF: 9785727.5/59

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -46.419+/-24.380 χ^2/NDF: 31.9/32

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -32.362+/-24.088 χ^2/NDF: 45.5/36

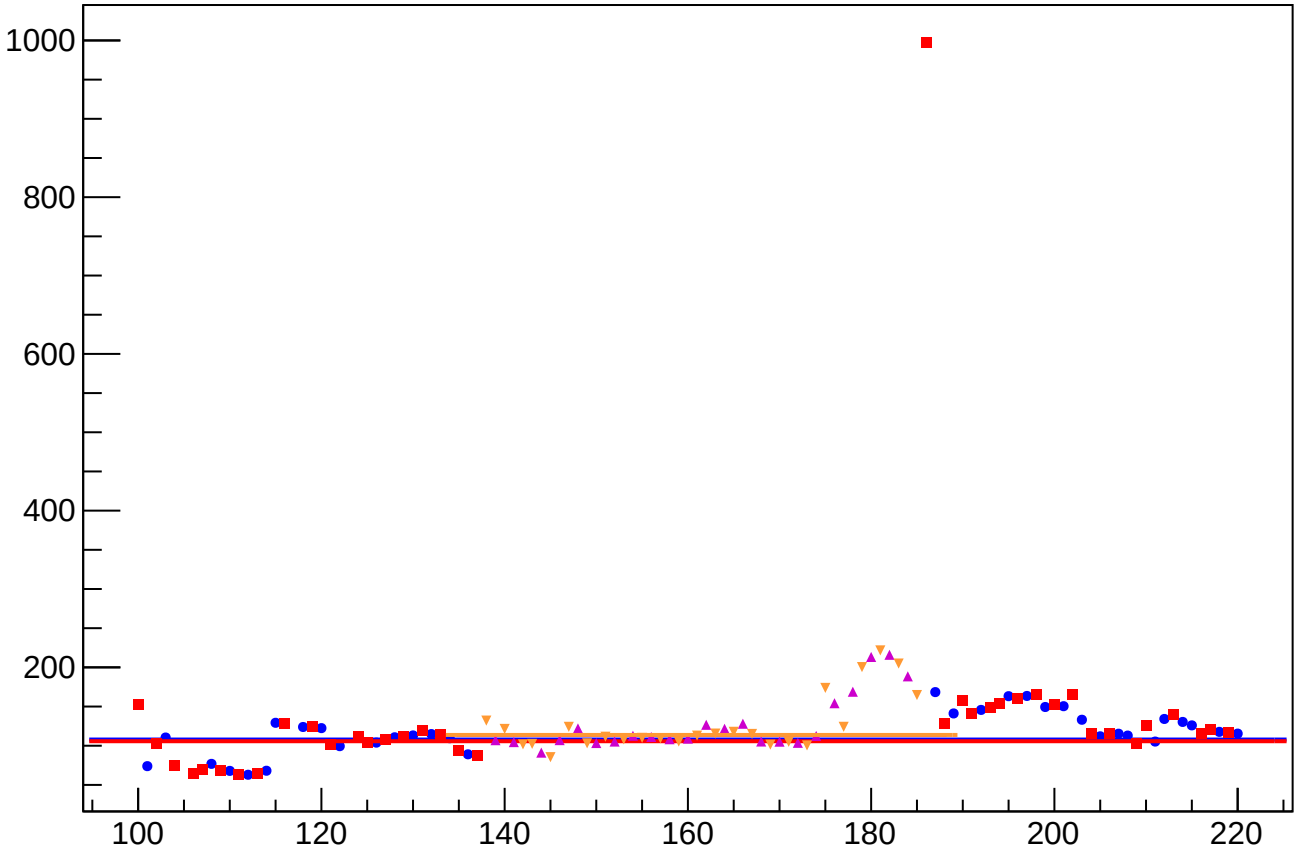
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign -14.990+/-17.986 χ^2/NDF: 57.1/57

All: -30.116+/-12.749 χ^2/NDF: 132.0/117

- sign -45.389+/-18.073 χ^2/NDF: 73.5/59

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 107.898+/-0.017 χ^2/NDF: 2489057.1/32

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

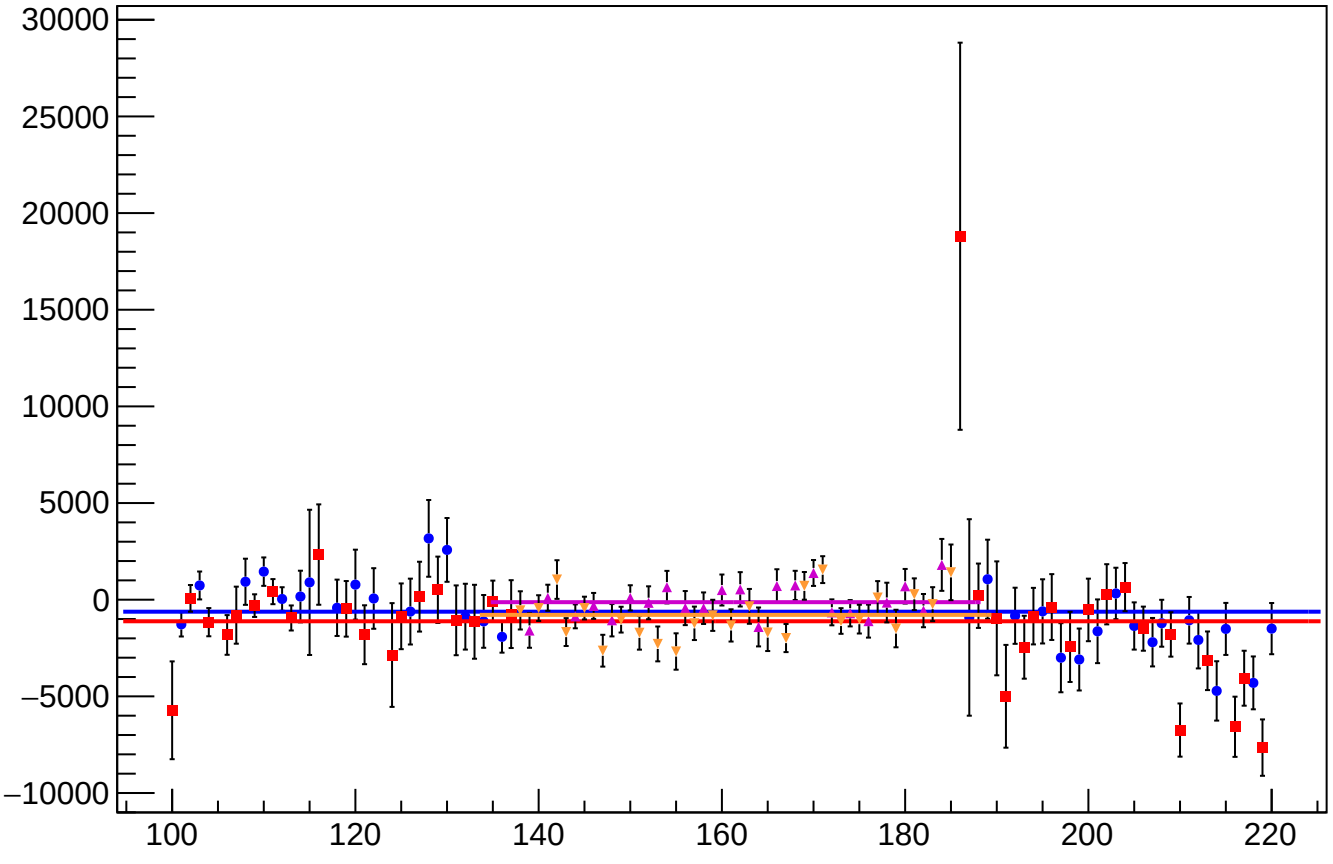
Right Out: 105.740+/-0.017 χ^2/NDF: 3821599.0/36

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 110.572+/-0.013 χ^2/NDF: 4121780.0/57

All: 109.894+/-0.009 χ^2/NDF: 9360028.8/117

- sign 109.208+/-0.013 χ^2/NDF: 5232528.4/59



Right In: -620.512+/-209.296 χ^2/NDF: 51.1/32

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

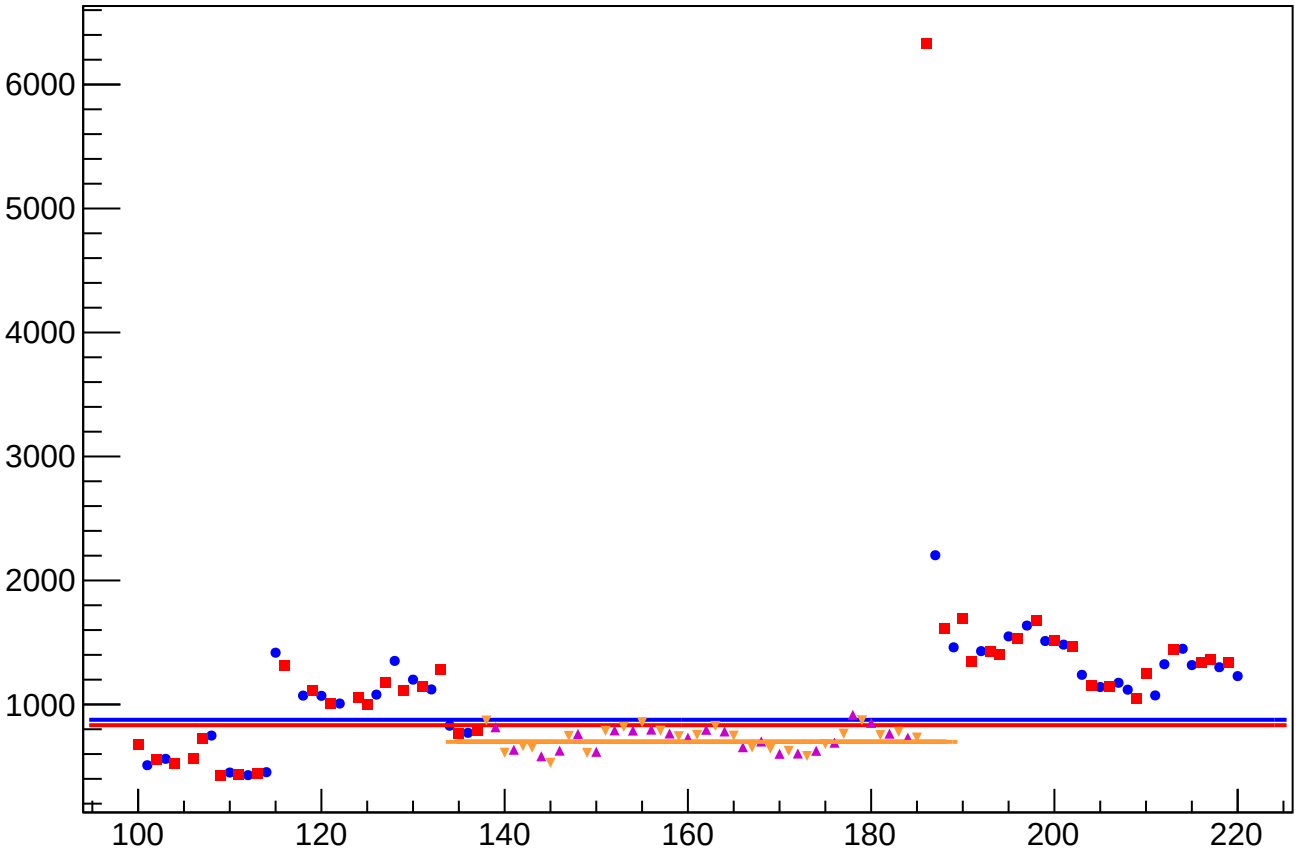
Right Out: -1116.175+/-201.580 χ^2/NDF: 86.1/36

Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -723.648+/-127.353 χ^2/NDF: 96.9/57

All: -624.809+/-90.209 χ^2/NDF: 221.4/117

- sign -525.277+/-127.799 χ^2/NDF: 123.2/59



Right In: 876.380+/-0.148 χ^2/NDF: 6809419.7/32

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 832.752+/-0.143 χ^2/NDF: 8683265.5/36

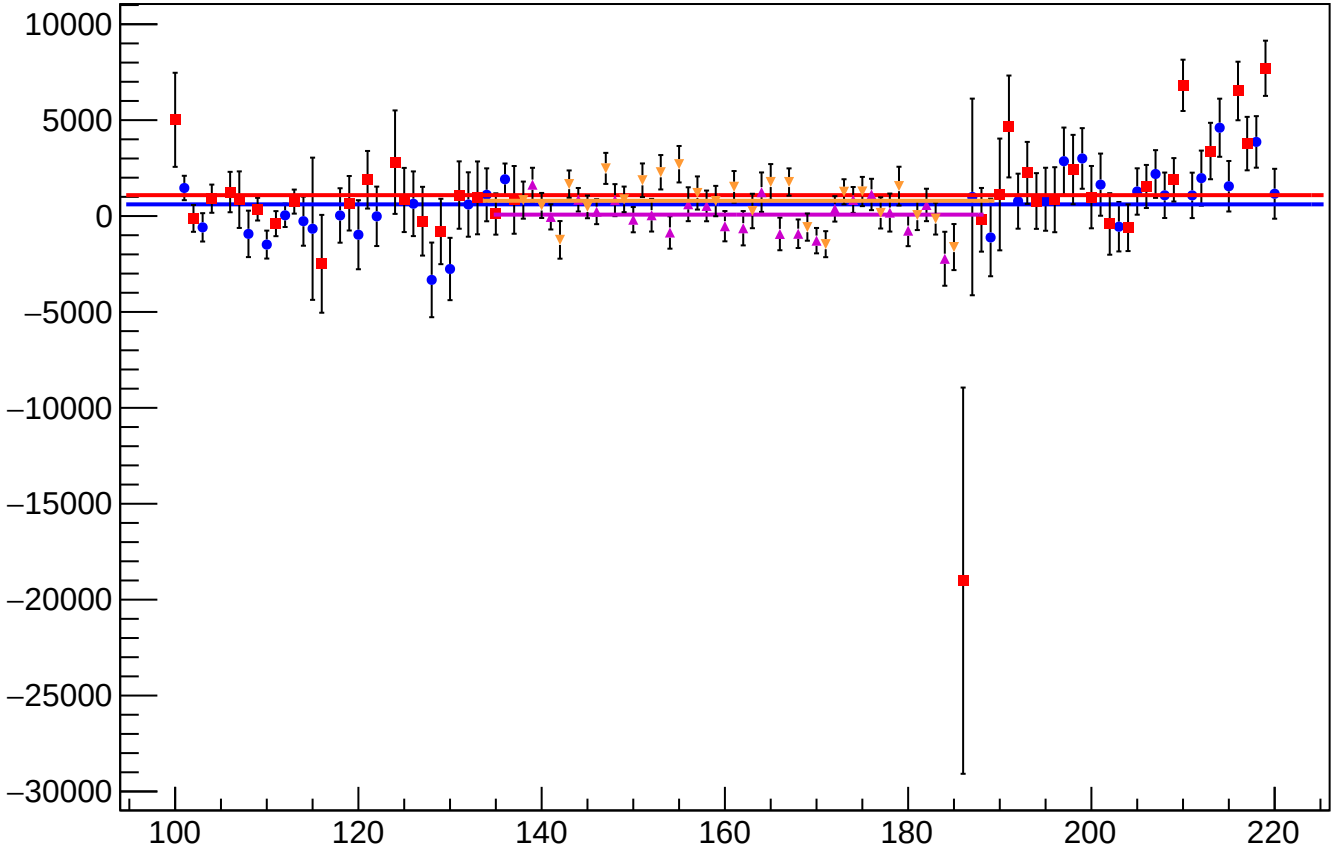
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 764.194+/-0.090 χ^2/NDF: 8436566.5/57

All: 758.818+/-0.064 χ^2/NDF: 18229434.8/11

- sign 753.405+/-0.090 χ^2/NDF: 9785716.3/59

asym_sam_1548_avg_mean vs Slug



Right In: 609.183+/-208.232 χ^2/NDF: 50.6/32

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 1089.444+/-200.780 χ^2/NDF: 87.4/36

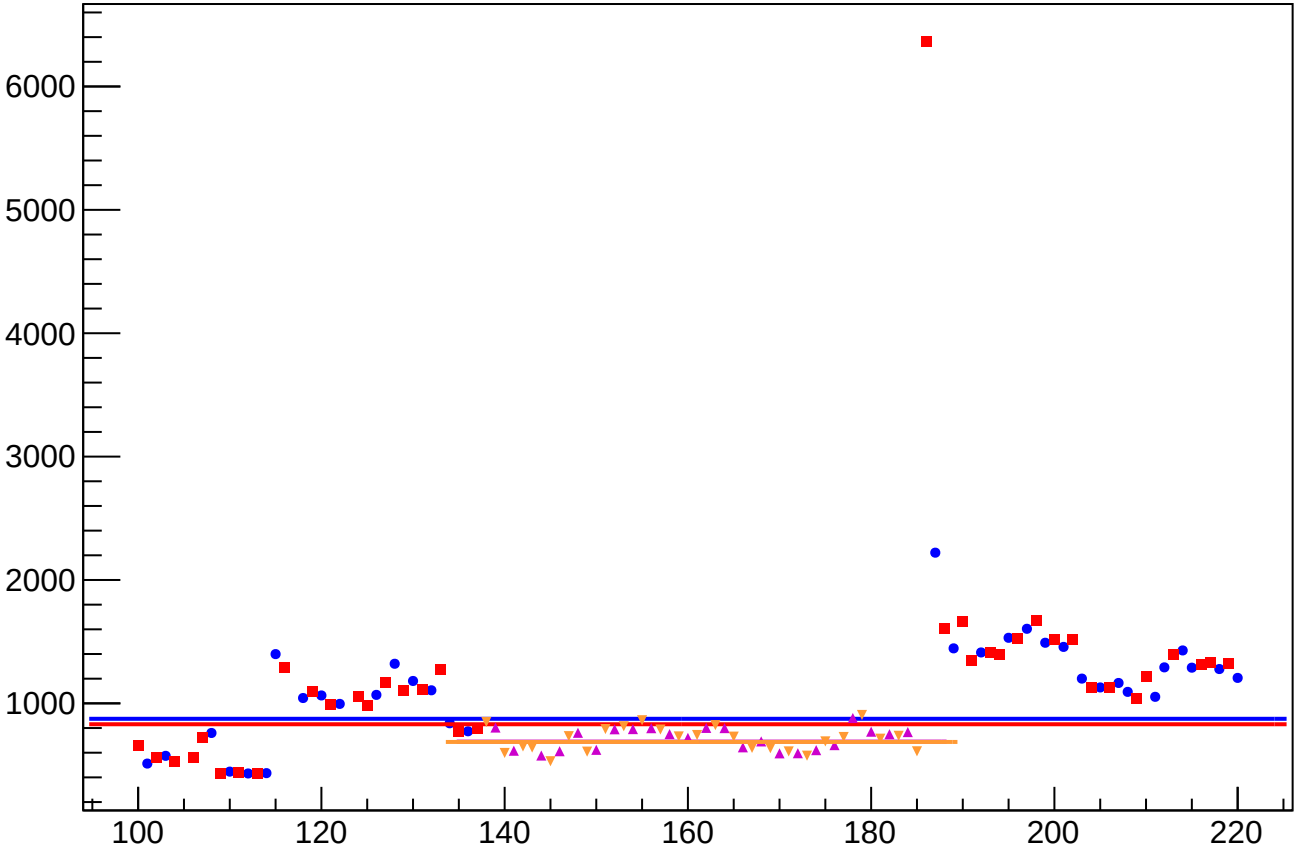
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 728.238+/-125.940 χ^2/NDF: 97.5/57

All: 603.033+/-89.247 χ^2/NDF: 227.2/117

- sign 476.728+/-126.491 χ^2/NDF: 127.7/59

asym_sam_1548_avg_rms vs Slug



Right In: 874.816+/-0.147 χ^2/NDF: 6546422.5/32

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

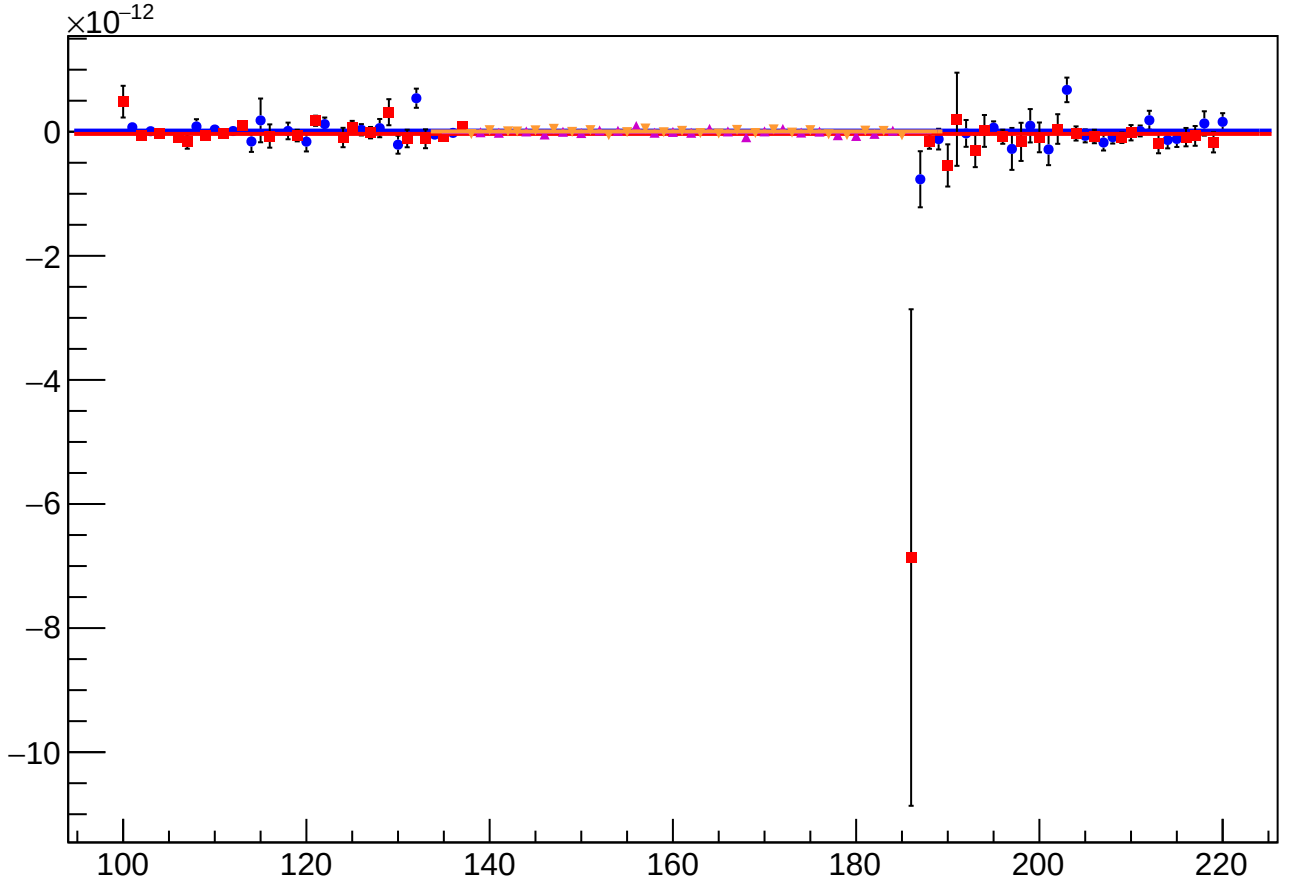
Right Out: 830.605+/-0.142 χ^2/NDF: 8540808.5/36

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 755.855+/-0.089 χ^2/NDF: 8303643.8/57

All: 750.852+/-0.063 χ^2/NDF: 18009446.0/11

- sign 745.804+/-0.089 χ^2/NDF: 9699460.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 49.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

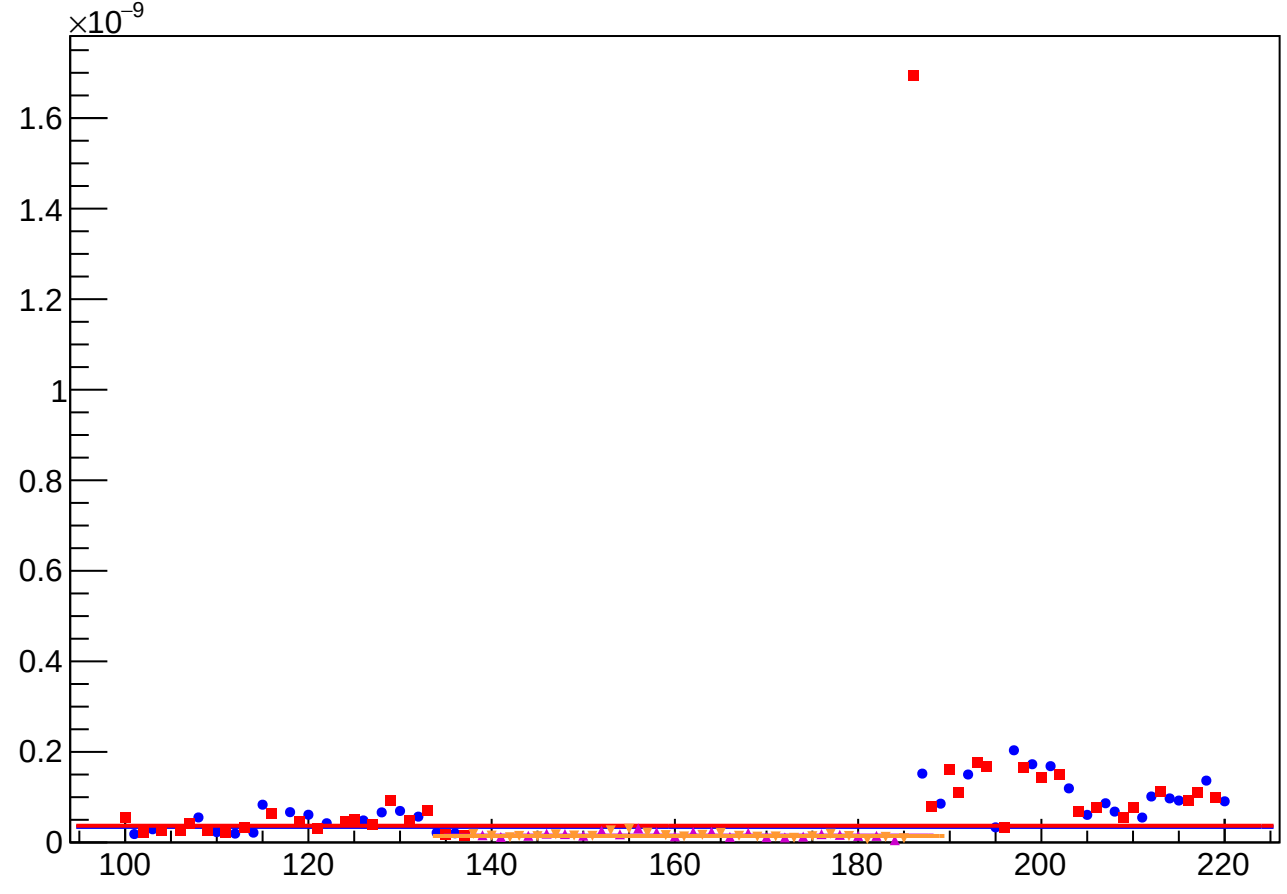
Right Out: -0.000+/-0.000 χ^2/NDF: 36.7/36

Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.6/57

All: -0.000+/-0.000 χ^2/NDF: 143.8/117

- sign -0.000+/-0.000 χ^2/NDF: 66.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 7777960.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

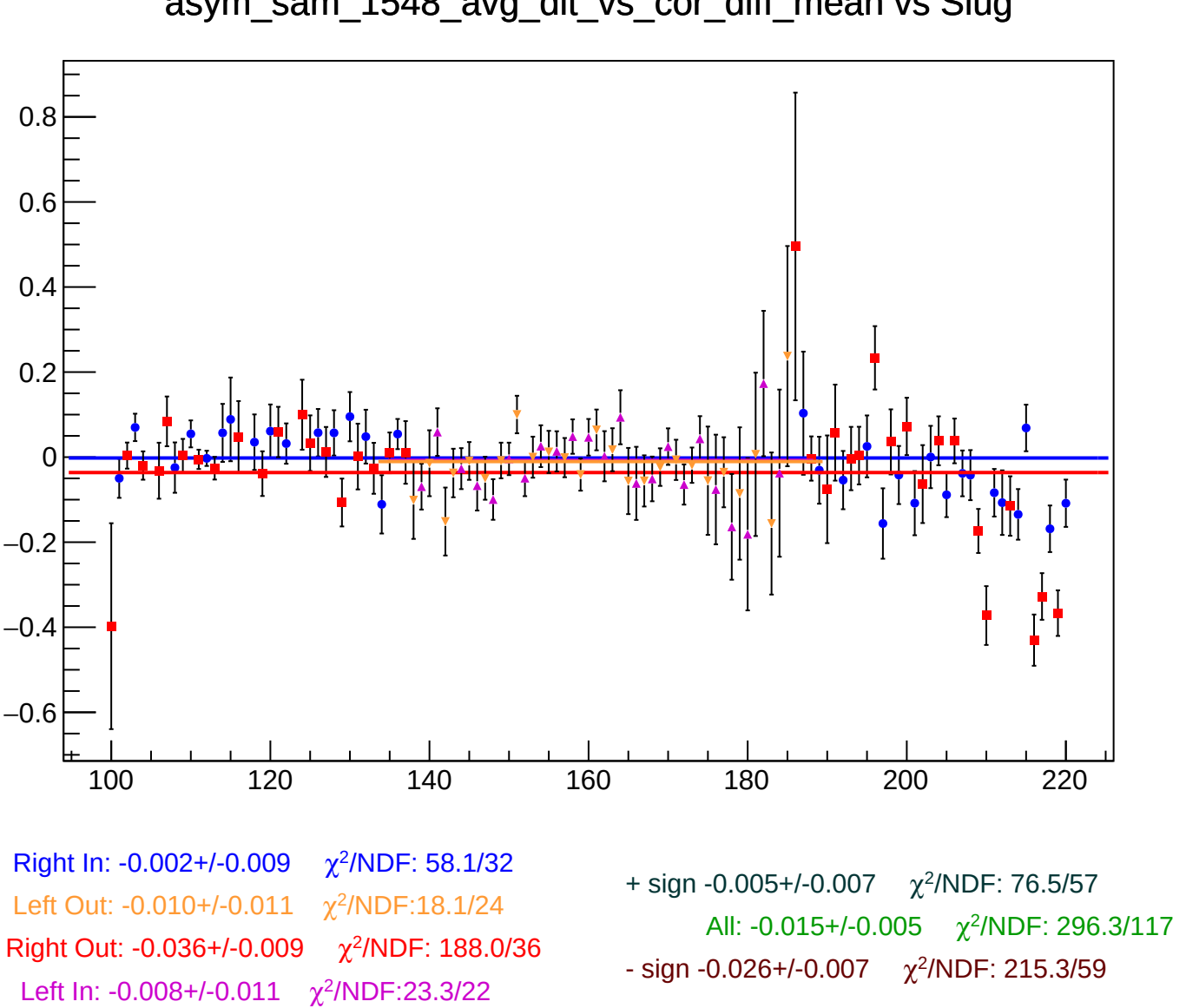
Right Out: 0.000+/-0.000 χ^2/NDF: 6944469.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

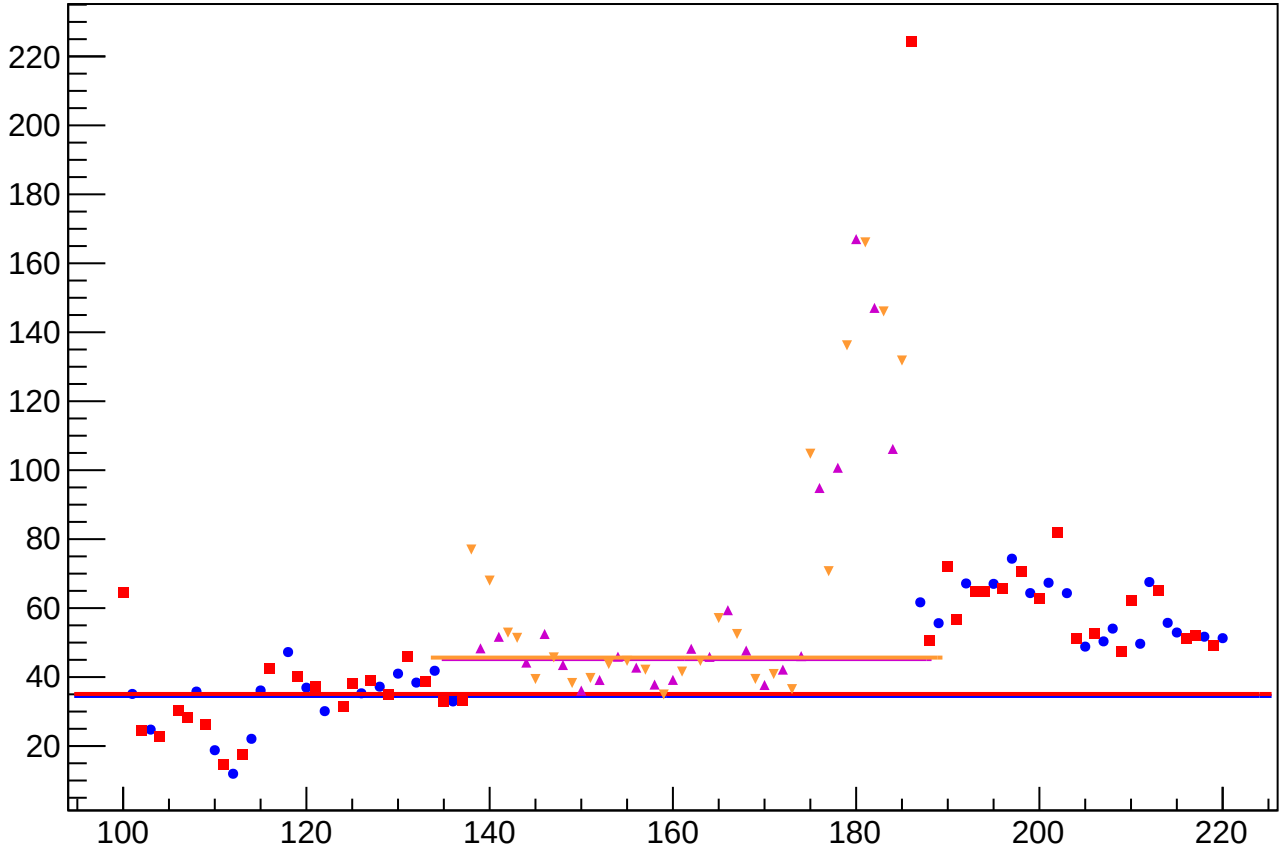
+ sign 0.000+/-0.000 χ^2/NDF: 12330545.1/57

All: 0.000+/-0.000 χ^2/NDF: 24093714.2/117

- sign 0.000+/-0.000 χ^2/NDF: 11715669.8/59


asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
220
Right In: -0.002+/-0.009 χ²/NDF: 58.1/32
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.036+/-0.009 χ²/NDF: 188.0/36
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign -0.005+/-0.007 χ²/NDF: 76.5/57
All: -0.015+/-0.005 χ²/NDF: 296.3/117
- sign -0.026+/-0.007 χ²/NDF: 215.3/59

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 34.522+/-0.006 χ^2/NDF: 8635470.5/32

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

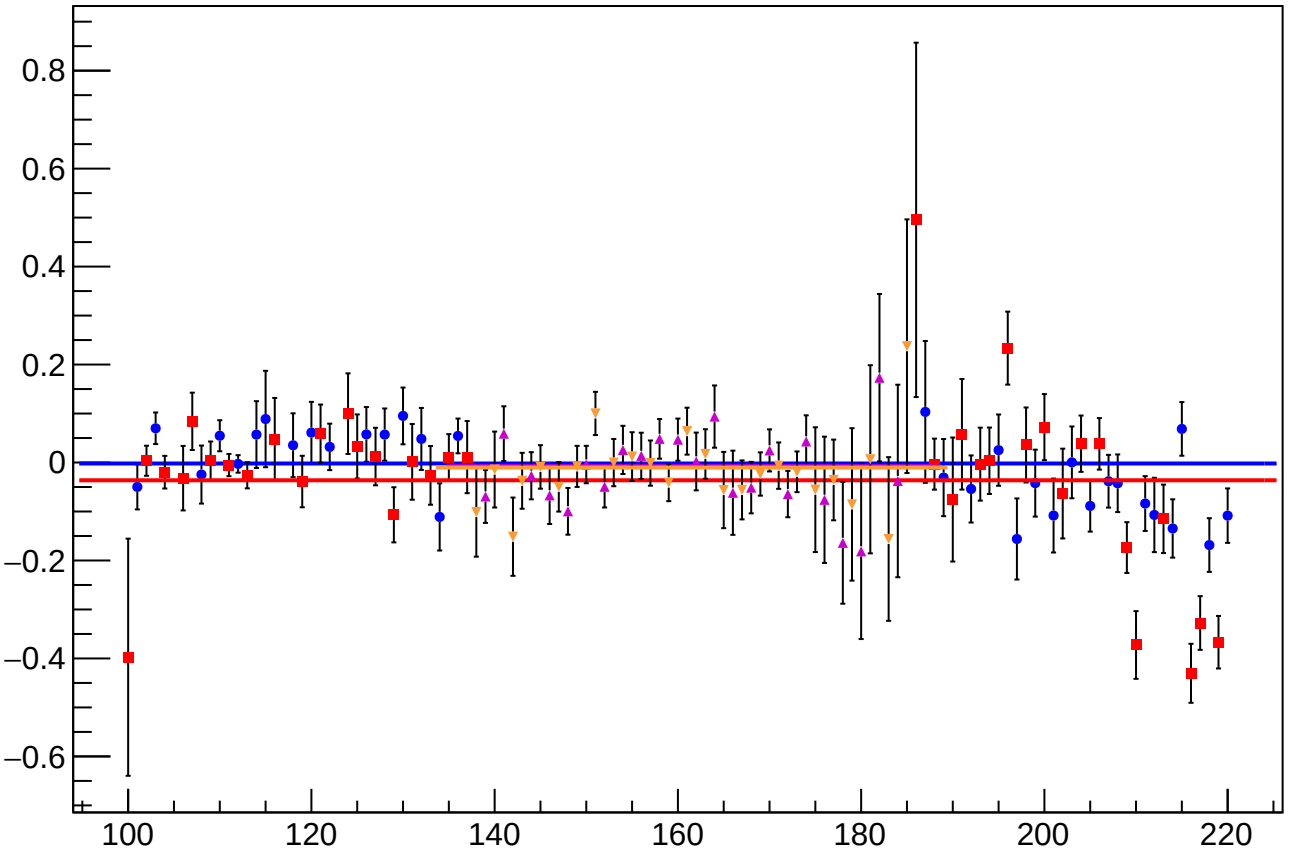
Right Out: 35.104+/-0.006 χ^2/NDF: 8232371.5/36

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 38.635+/-0.005 χ^2/NDF: 13878972.3/57

All: 38.714+/-0.003 χ^2/NDF: 26101141.6/117

- sign 38.795+/-0.005 χ^2/NDF: 12221623.8/59



Right In: -0.002+/-0.009 χ^2/NDF: 58.1/32

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

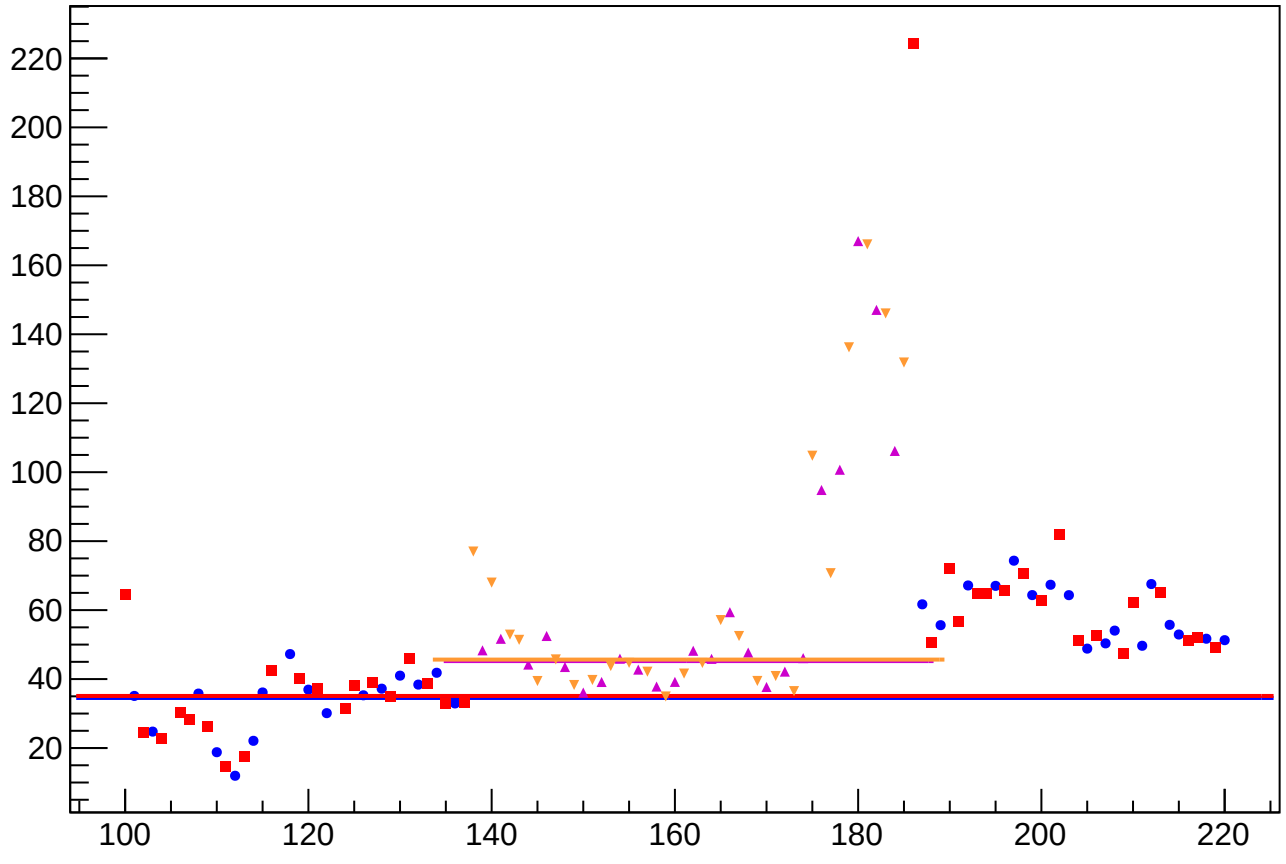
Right Out: -0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign -0.005+/-0.007 χ^2/NDF: 76.5/57

All: -0.015+/-0.005 χ^2/NDF: 296.3/117

- sign -0.026+/-0.007 χ^2/NDF: 215.3/59



Right In: 34.522+/-0.006 χ^2/NDF: 8635470.5/32

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

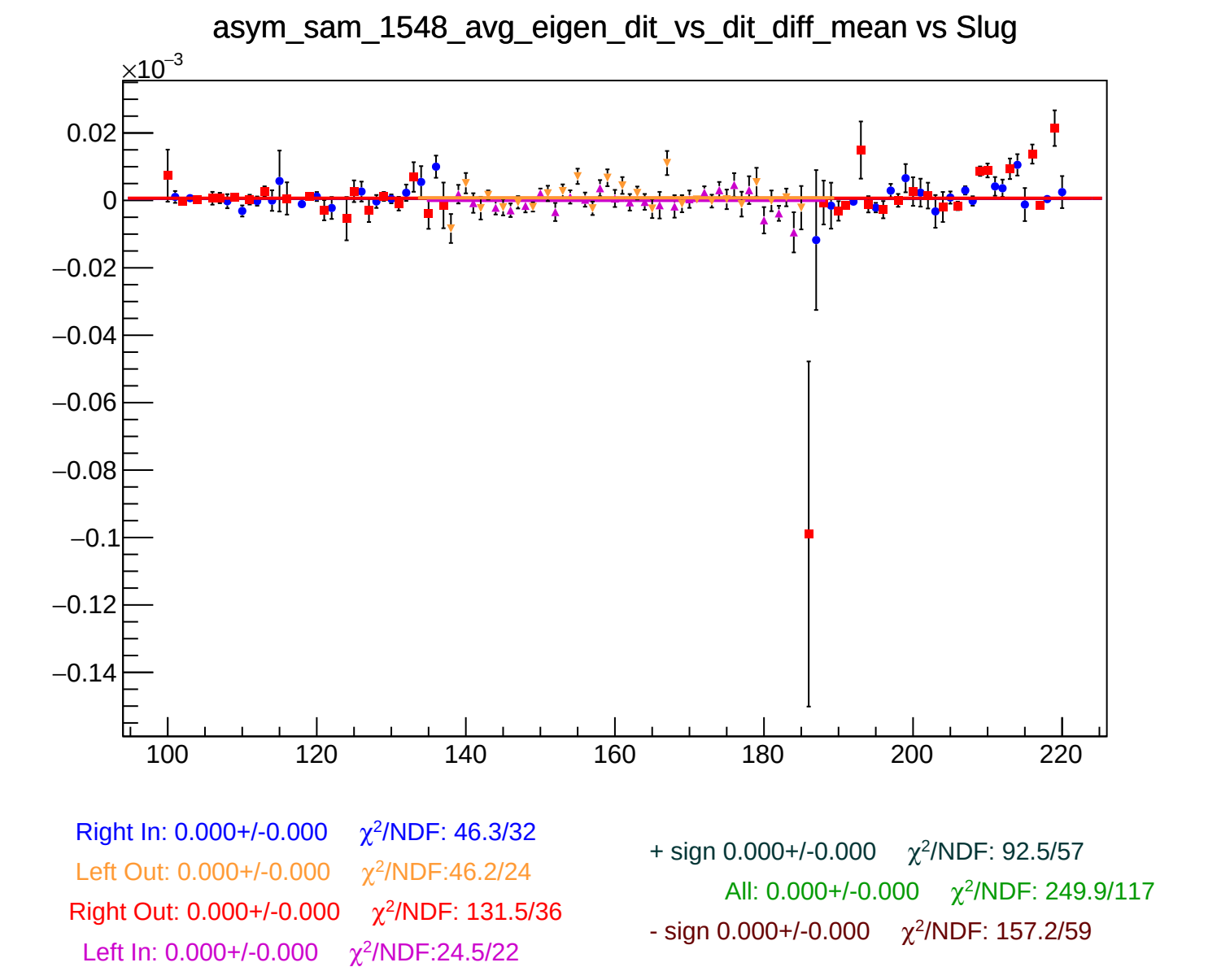
Right Out: 35.104+/-0.006 χ^2/NDF: 8232371.5/36

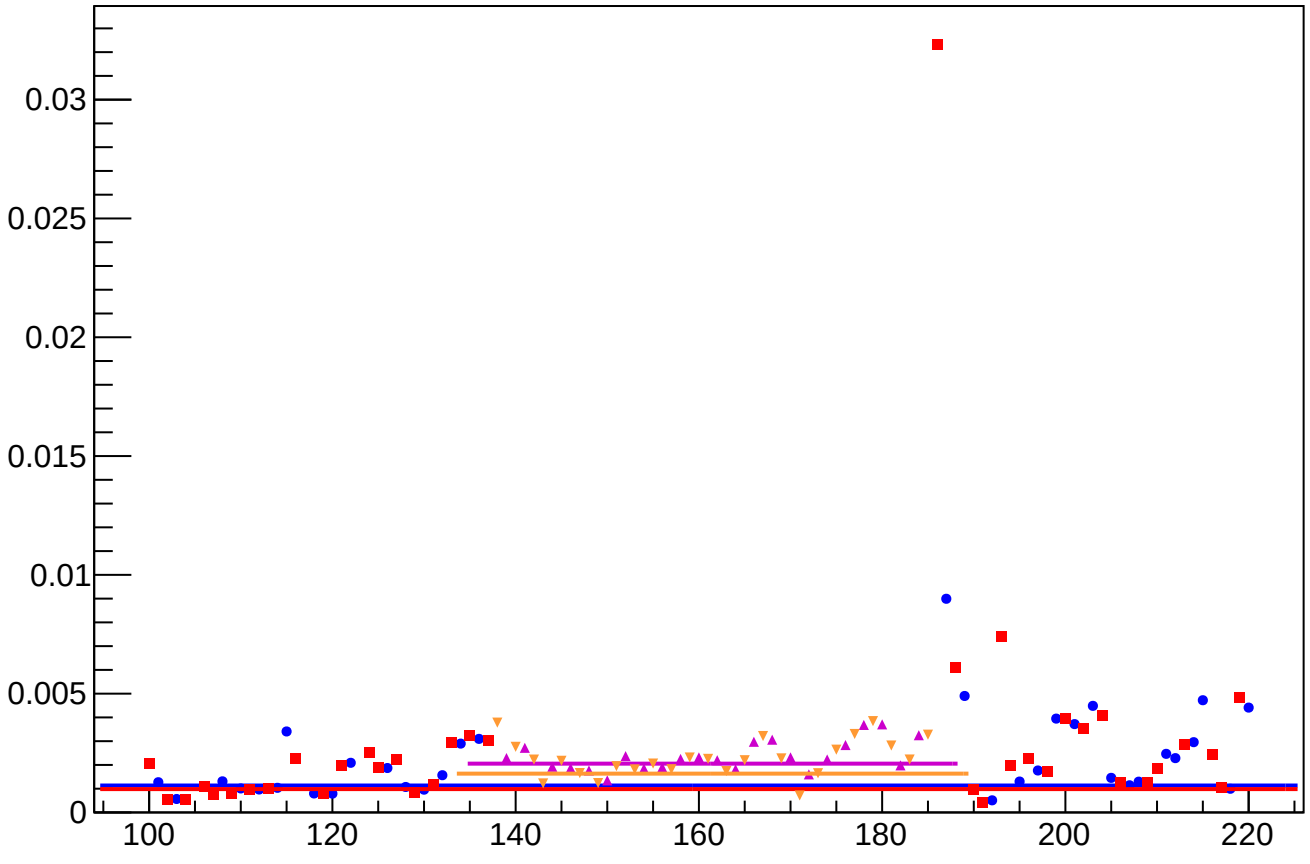
Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 38.635+/-0.005 χ^2/NDF: 13878972.3/57

All: 38.714+/-0.003 χ^2/NDF: 26101141.6/117

- sign 38.795+/-0.005 χ^2/NDF: 12221623.8/59


asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
−0.14
100
120
140
160
180
200
220
Right In: 0.000+/-0.000 χ²/NDF: 46.3/32
Left Out: 0.000+/-0.000 χ²/NDF:46.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 131.5/36
Left In: 0.000+/-0.000 χ²/NDF:24.5/22
+ sign 0.000+/-0.000 χ²/NDF: 92.5/57
All: 0.000+/-0.000 χ²/NDF: 249.9/117
- sign 0.000+/-0.000 χ²/NDF: 157.2/59



Right In: 0.001+/-0.000 χ^2/NDF: 11195953.6/32

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

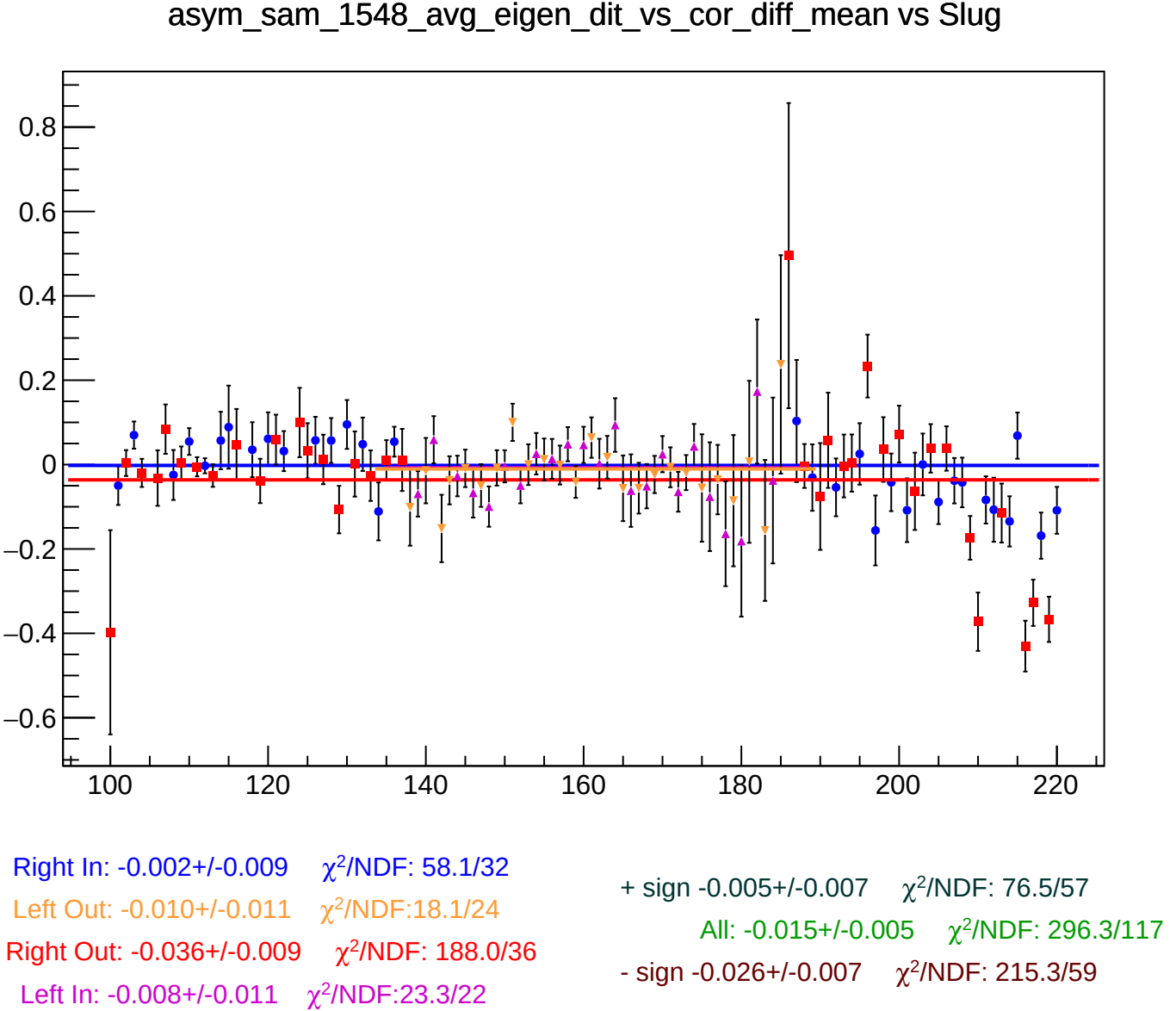
Right Out: 0.001+/-0.000 χ^2/NDF: 14856527.4/36

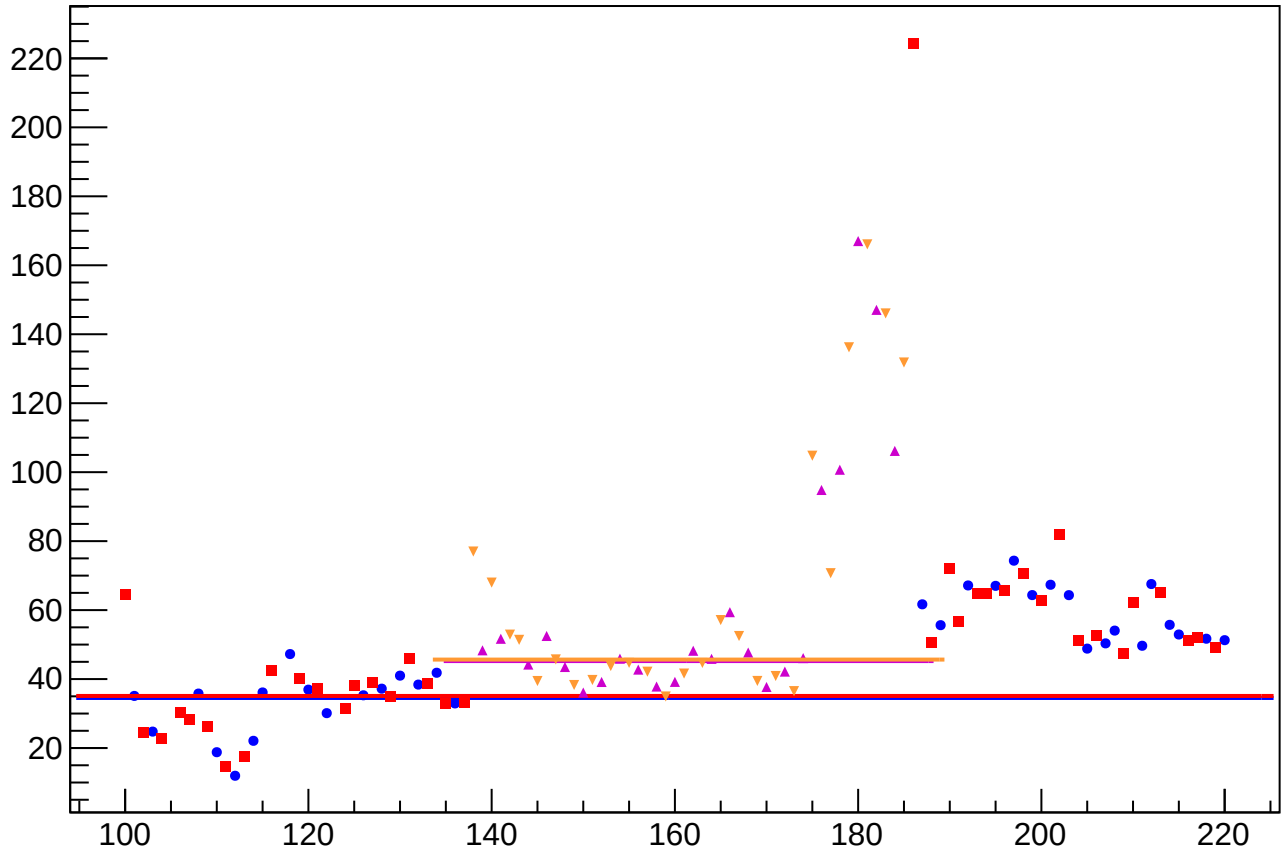
Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 19592870.0/57

All: 0.001+/-0.000 χ^2/NDF: 43734042.5/117

- sign 0.001+/-0.000 χ^2/NDF: 24017171.1/59


asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
220
Right In: -0.002+/-0.009 χ²/NDF: 58.1/32
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: -0.036+/-0.009 χ²/NDF: 188.0/36
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign -0.005+/-0.007 χ²/NDF: 76.5/57
All: -0.015+/-0.005 χ²/NDF: 296.3/117
- sign -0.026+/-0.007 χ²/NDF: 215.3/59



Right In: 34.521+/-0.006 χ^2/NDF: 8635760.8/32

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

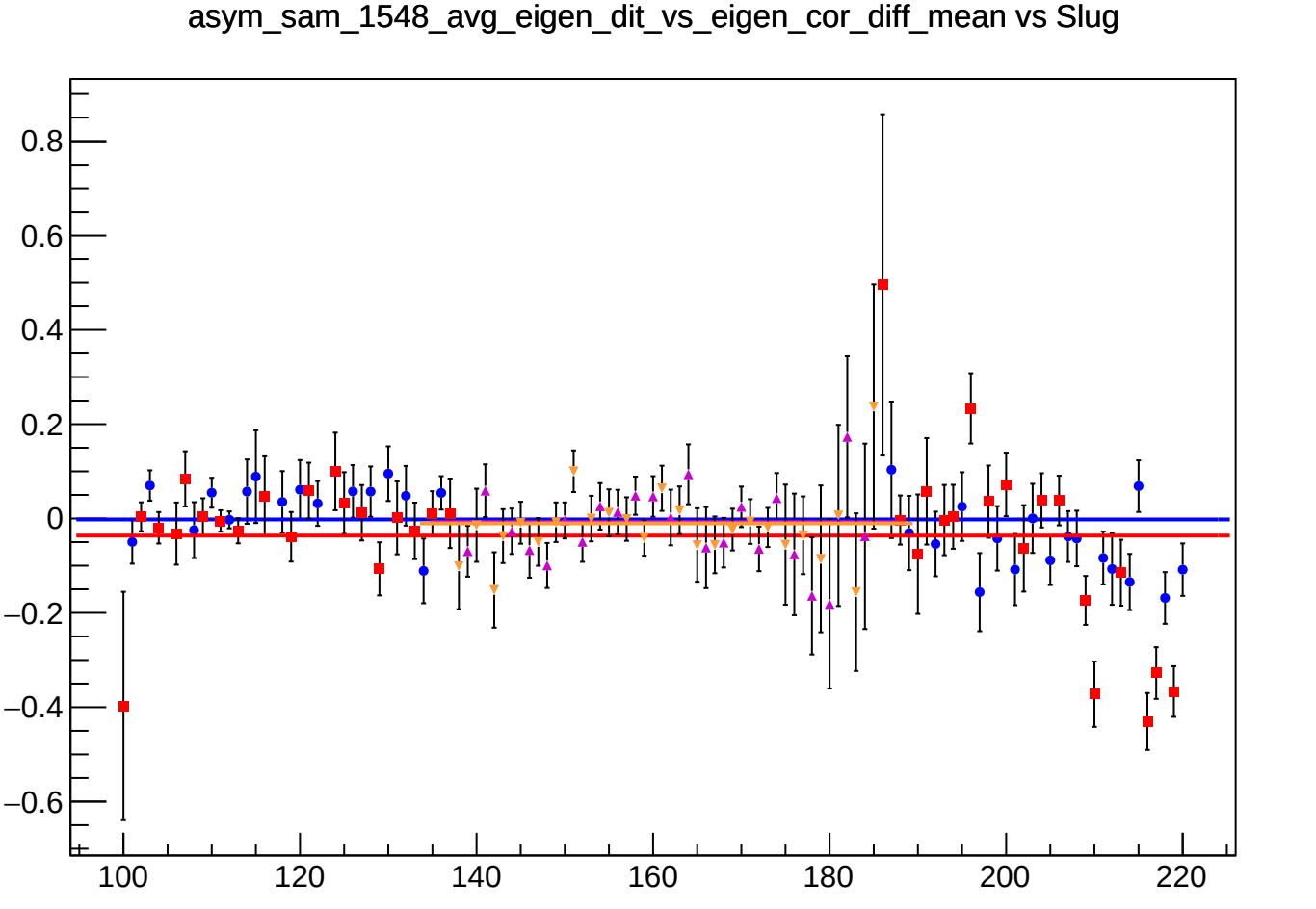
Right Out: 35.104+/-0.006 χ^2/NDF: 8232613.8/36

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 38.634+/-0.005 χ^2/NDF: 13879412.2/57

All: 38.714+/-0.003 χ^2/NDF: 26101912.0/117

- sign 38.795+/-0.005 χ^2/NDF: 12221953.3/59



Right In: -0.002+/-0.009 χ^2/NDF: 58.1/32

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

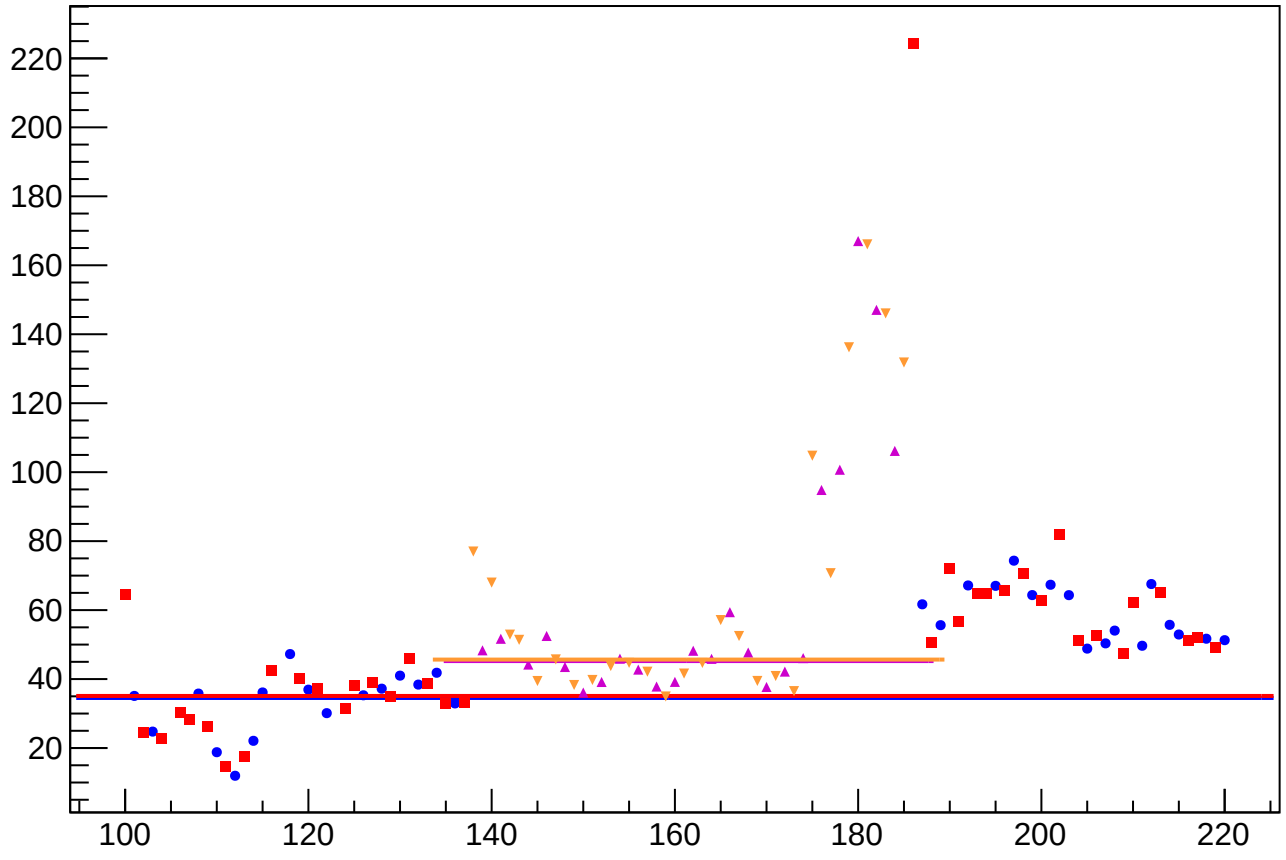
Right Out: -0.036+/-0.009 χ^2/NDF: 188.0/36

Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign -0.005+/-0.007 χ^2/NDF: 76.5/57

All: -0.015+/-0.005 χ^2/NDF: 296.3/117

- sign -0.026+/-0.007 χ^2/NDF: 215.3/59



Right In: 34.521+/-0.006 χ^2/NDF: 8635760.8/32

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

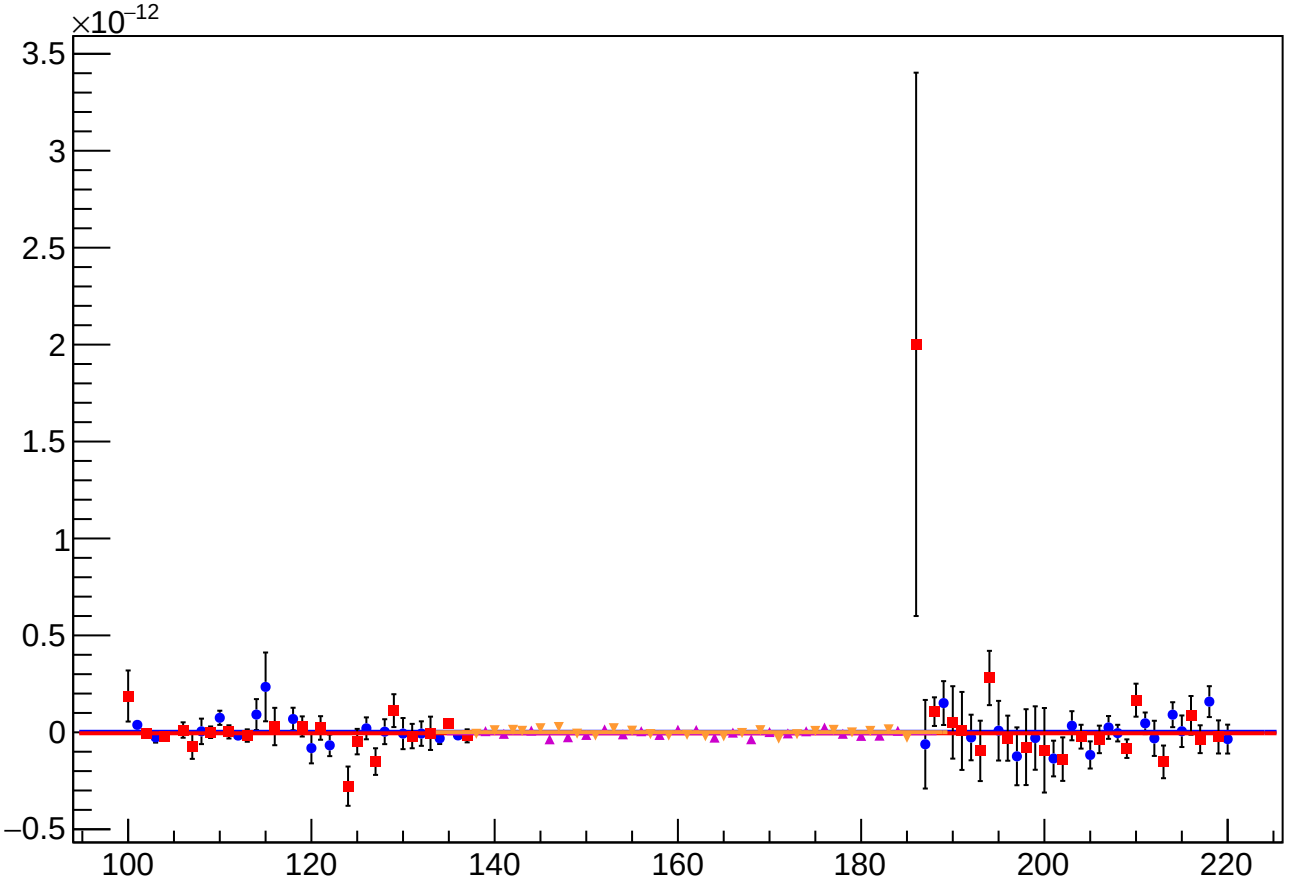
Right Out: 35.104+/-0.006 χ^2/NDF: 8232613.8/36

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 38.634+/-0.005 χ^2/NDF: 13879412.2/57

All: 38.714+/-0.003 χ^2/NDF: 26101912.0/117

- sign 38.795+/-0.005 χ^2/NDF: 12221953.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 33.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

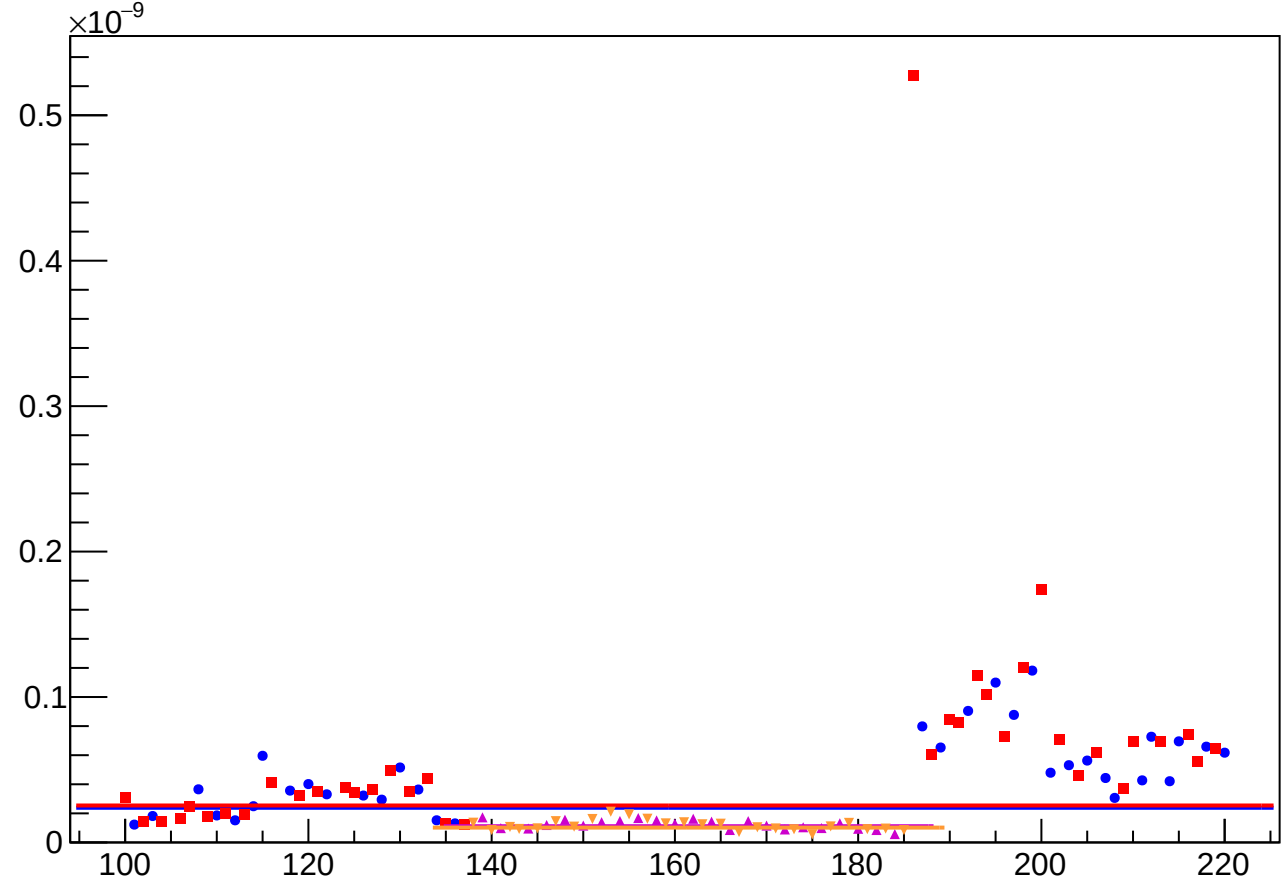
Right Out: -0.000+/-0.000 χ^2/NDF: 45.4/36

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.0/57

All: -0.000+/-0.000 χ^2/NDF: 130.2/117

- sign -0.000+/-0.000 χ^2/NDF: 69.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 9355124.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10174736.0/36

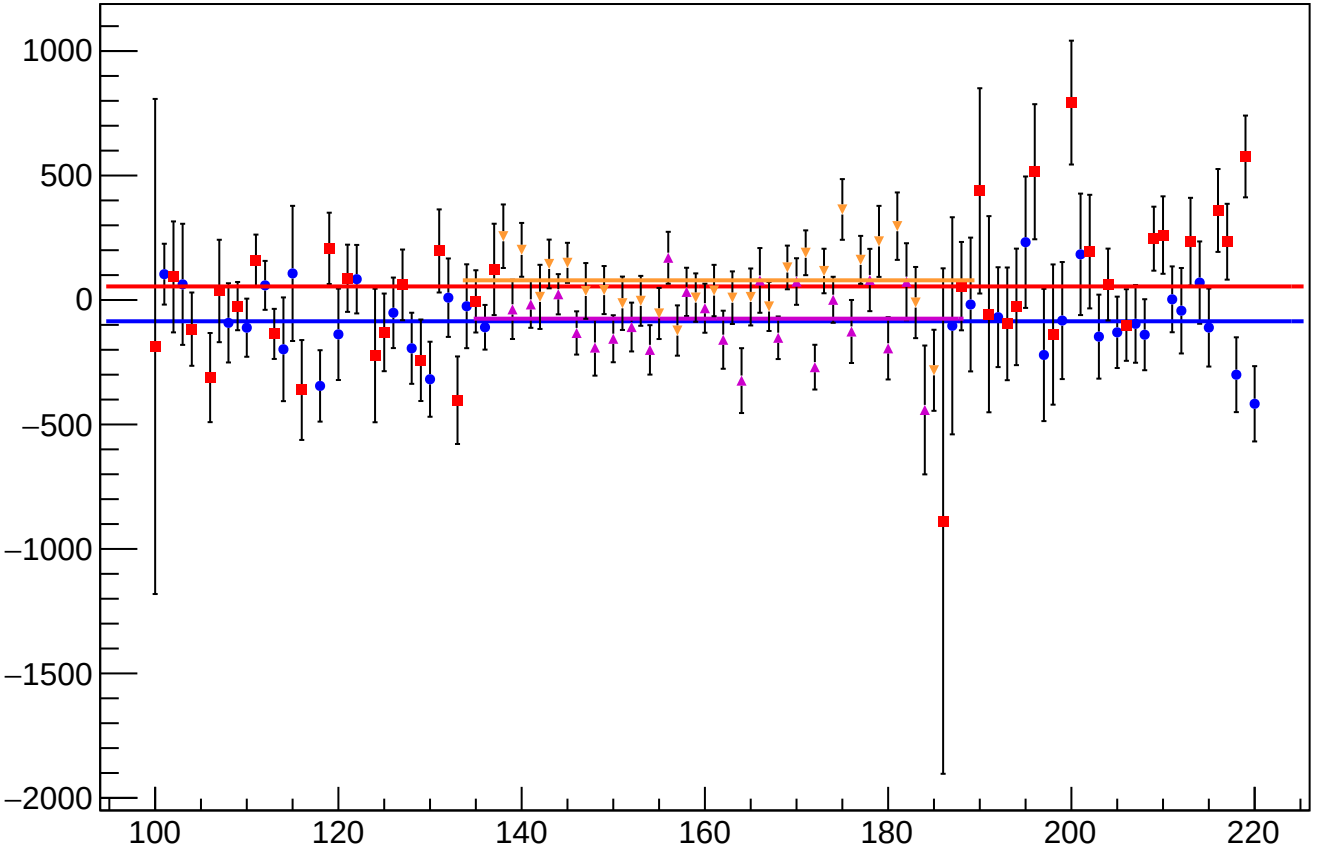
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 16883584.6/57

All: 0.000+/-0.000 χ^2/NDF: 33765300.1/117

- sign 0.000+/-0.000 χ^2/NDF: 16734677.6/59

reg_asym_sam_3748_avg_mean vs Slug



Right In: -85.472+/-27.232 χ^2/NDF: 25.9/32

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: 54.486+/-27.280 χ^2/NDF: 66.0/36

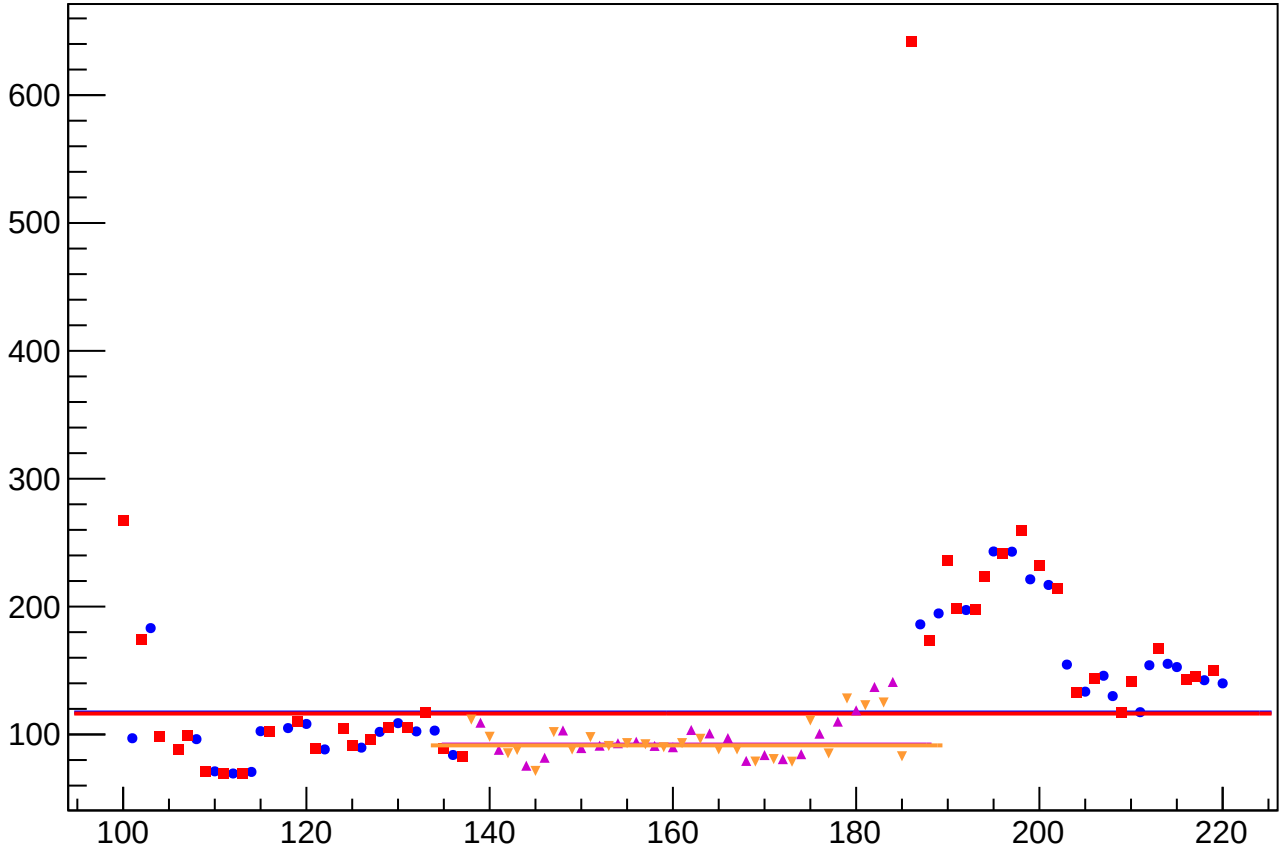
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 17.353+/-16.680 χ^2/NDF: 80.7/57

All: -3.099+/-11.923 χ^2/NDF: 196.1/117

- sign -24.462+/-17.048 χ^2/NDF: 112.4/59

reg_asym_sam_3748_avg_rms vs Slug



Right In: 117.170+/-0.019 χ^2/NDF: 4418266.8/32

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

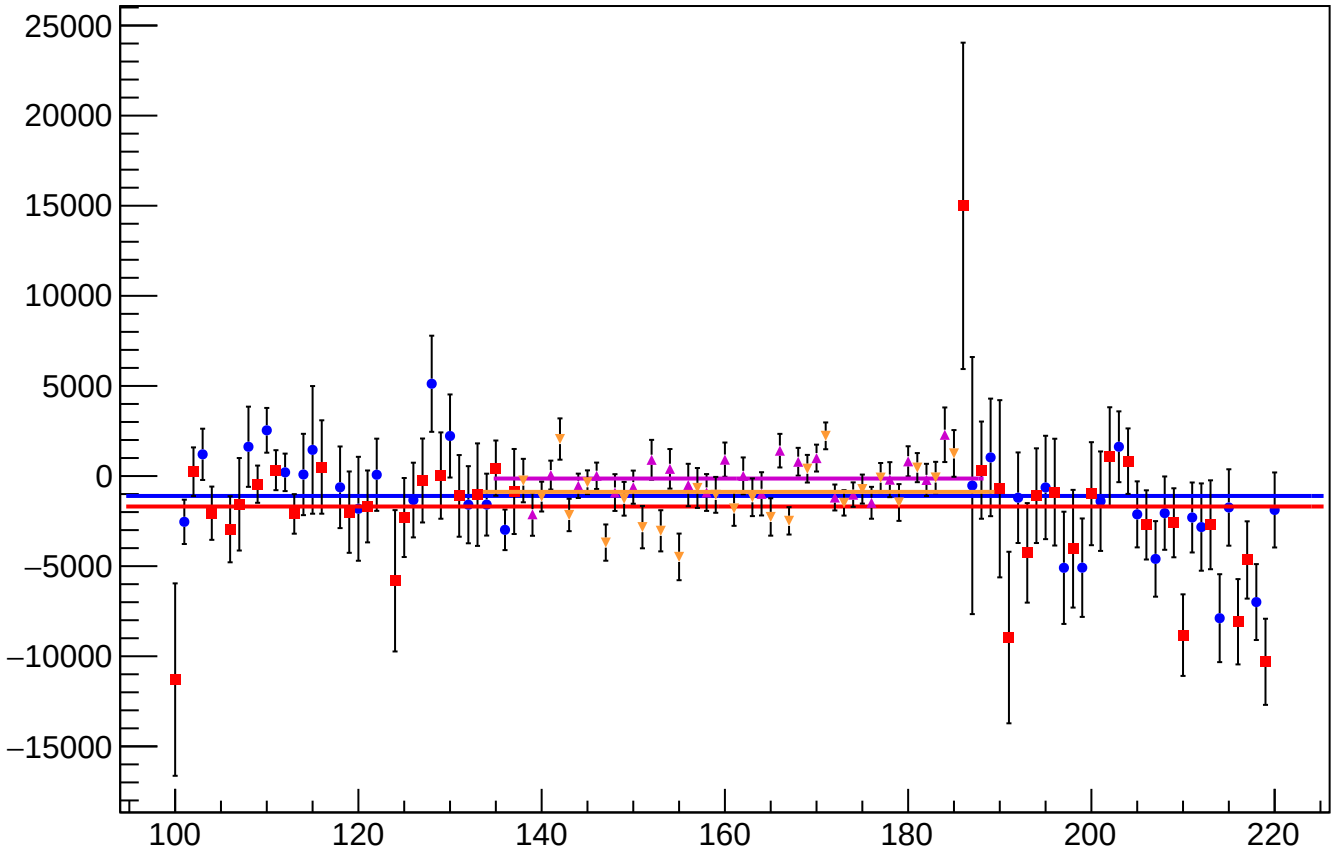
Right Out: 116.347+/-0.019 χ^2/NDF: 5877136.7/36

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 101.107+/-0.012 χ^2/NDF: 6283178.2/57

All: 101.333+/-0.008 χ^2/NDF: 13823610.9/11

- sign 101.569+/-0.012 χ^2/NDF: 7539681.2/59



Right In: -1104.794+/-338.041 χ^2/NDF: 53.6/32

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1690.305+/-333.788 χ^2/NDF: 59.3/36

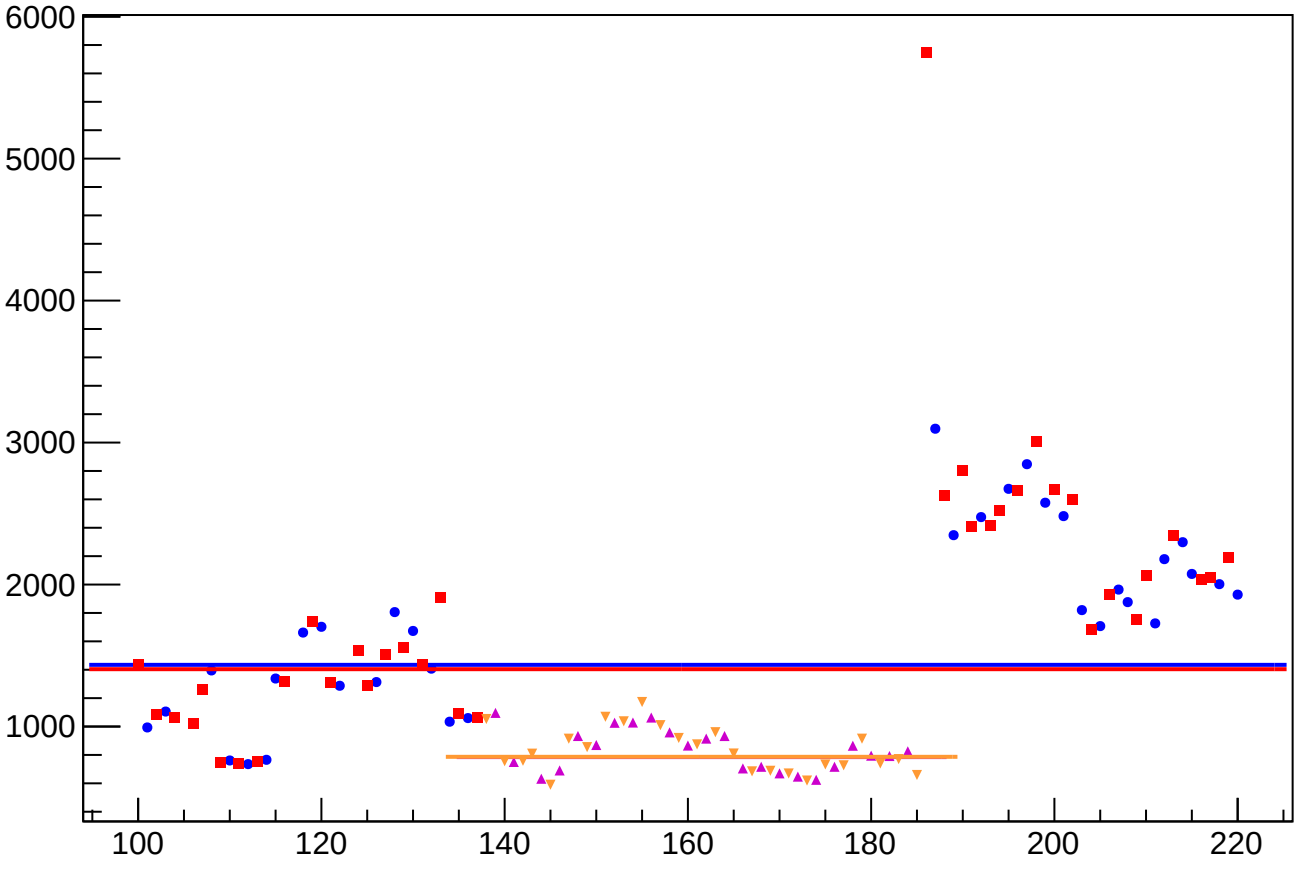
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -929.407+/-160.378 χ^2/NDF: 121.6/57

All: -721.982+/-114.271 χ^2/NDF: 225.0/117

- sign -508.090+/-162.859 χ^2/NDF: 100.0/59

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1434.479+/-0.239 χ^2/NDF: 5782439.7/32

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1403.939+/-0.236 χ^2/NDF: 7414426.0/36

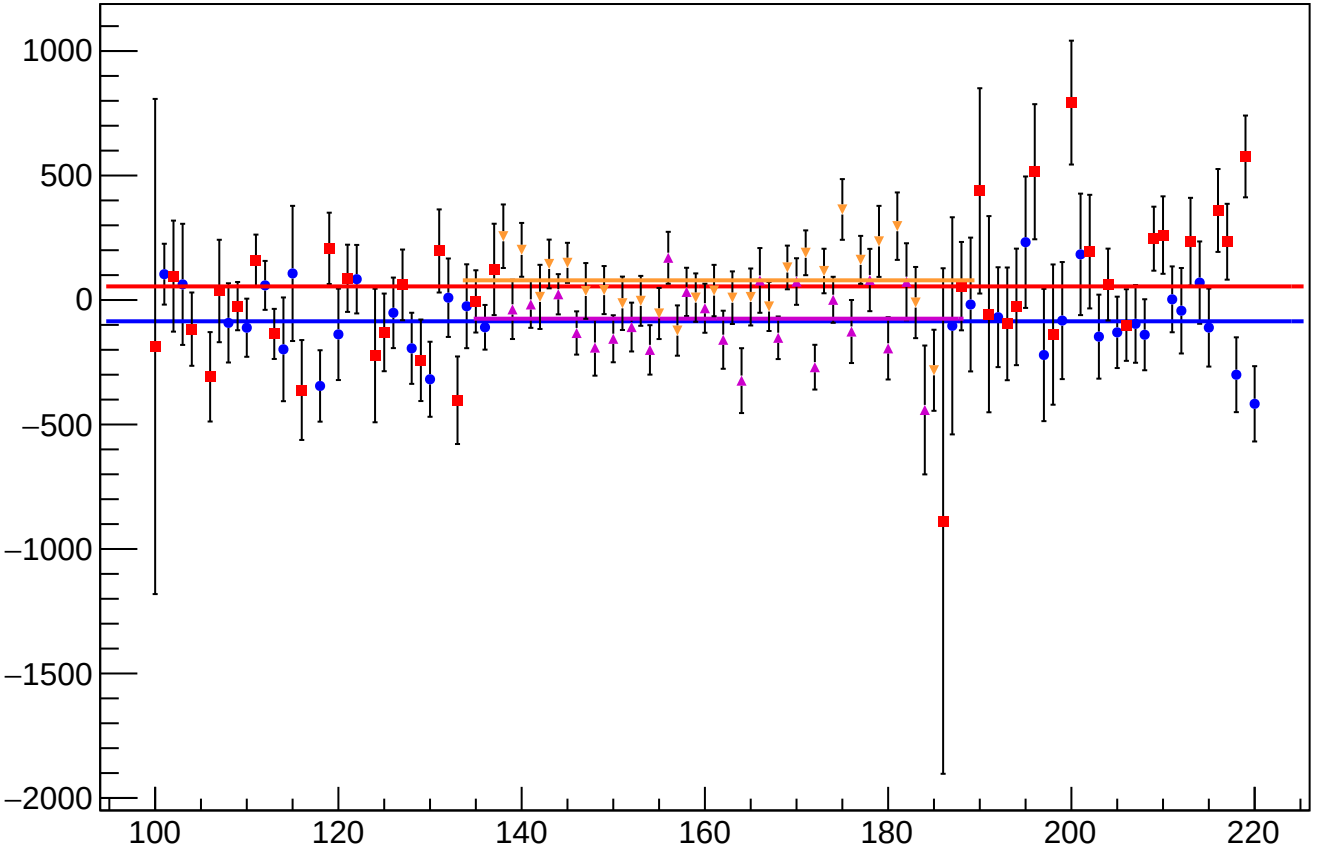
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

+ sign 932.552+/-0.113 χ^2/NDF: 12683411.8/57

All: 932.386+/-0.081 χ^2/NDF: 26404102.5/11

- sign 932.215+/-0.115 χ^2/NDF: 13720686.3/59

cor_asym_sam_3748_avg_mean vs Slug



Right In: -85.481+/-27.232 χ^2/NDF: 25.9/32

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 54.656+/-27.282 χ^2/NDF: 65.9/36

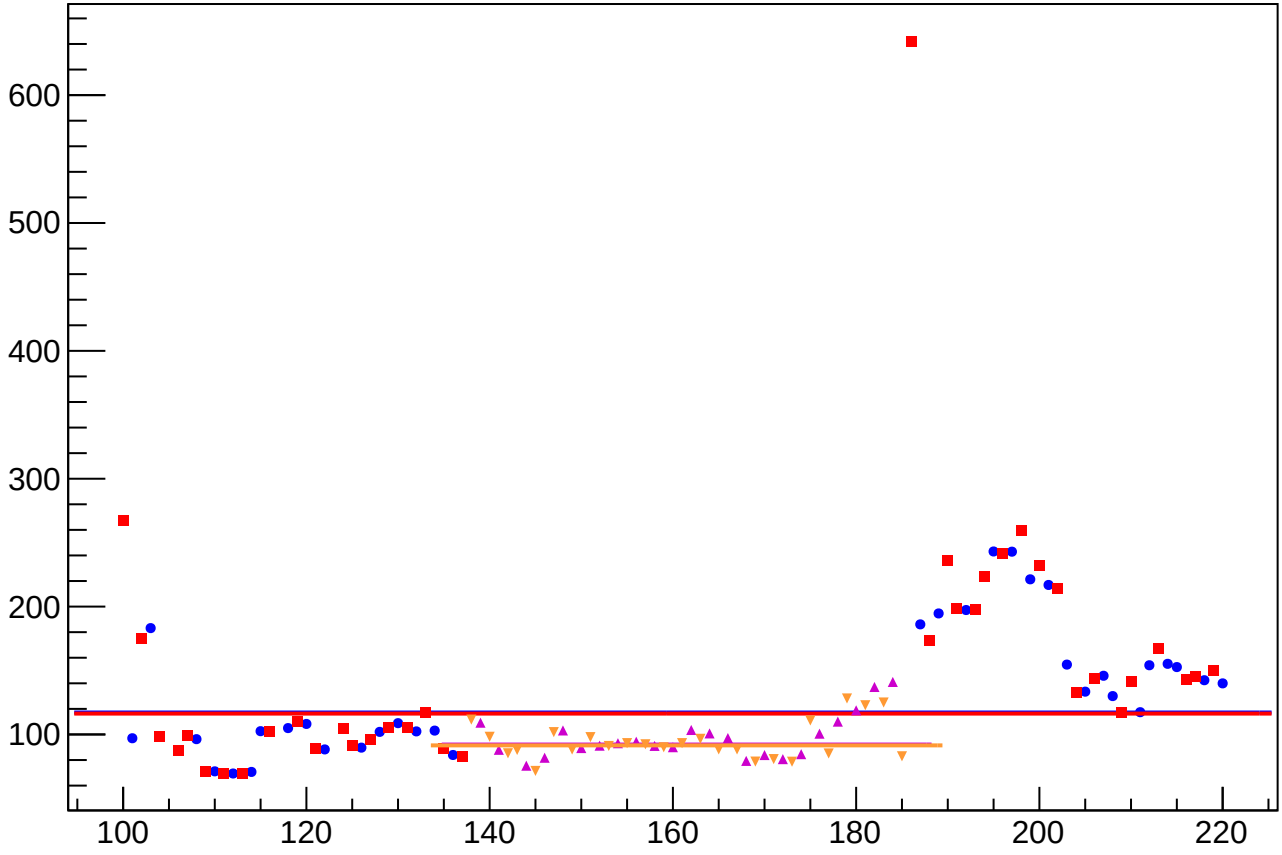
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 17.355+/-16.680 χ^2/NDF: 80.7/57

All: -3.067+/-11.923 χ^2/NDF: 196.0/117

- sign -24.401+/-17.048 χ^2/NDF: 112.3/59

cor_asym_sam_3748_avg_rms vs Slug



Right In: 117.170+/-0.019 χ^2/NDF: 4418269.8/32

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

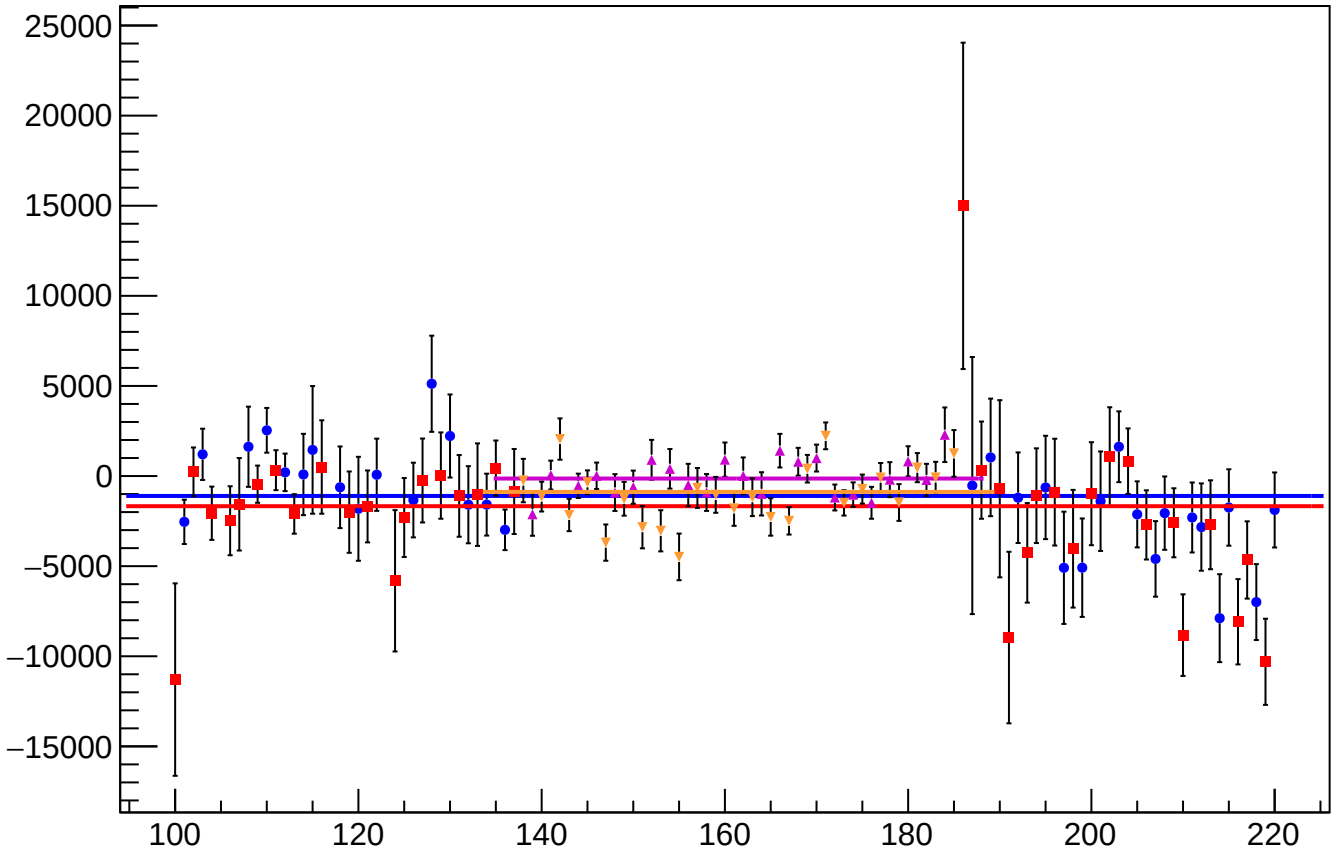
Right Out: 116.321+/-0.019 χ^2/NDF: 5881681.7/36

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 101.107+/-0.012 χ^2/NDF: 6283181.3/57

All: 101.328+/-0.008 χ^2/NDF: 13825965.2/11

- sign 101.558+/-0.012 χ^2/NDF: 7542067.9/59



Right In: -1104.816+/-338.043 χ^2/NDF: 53.6/32

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1673.085+/-334.255 χ^2/NDF: 59.0/36

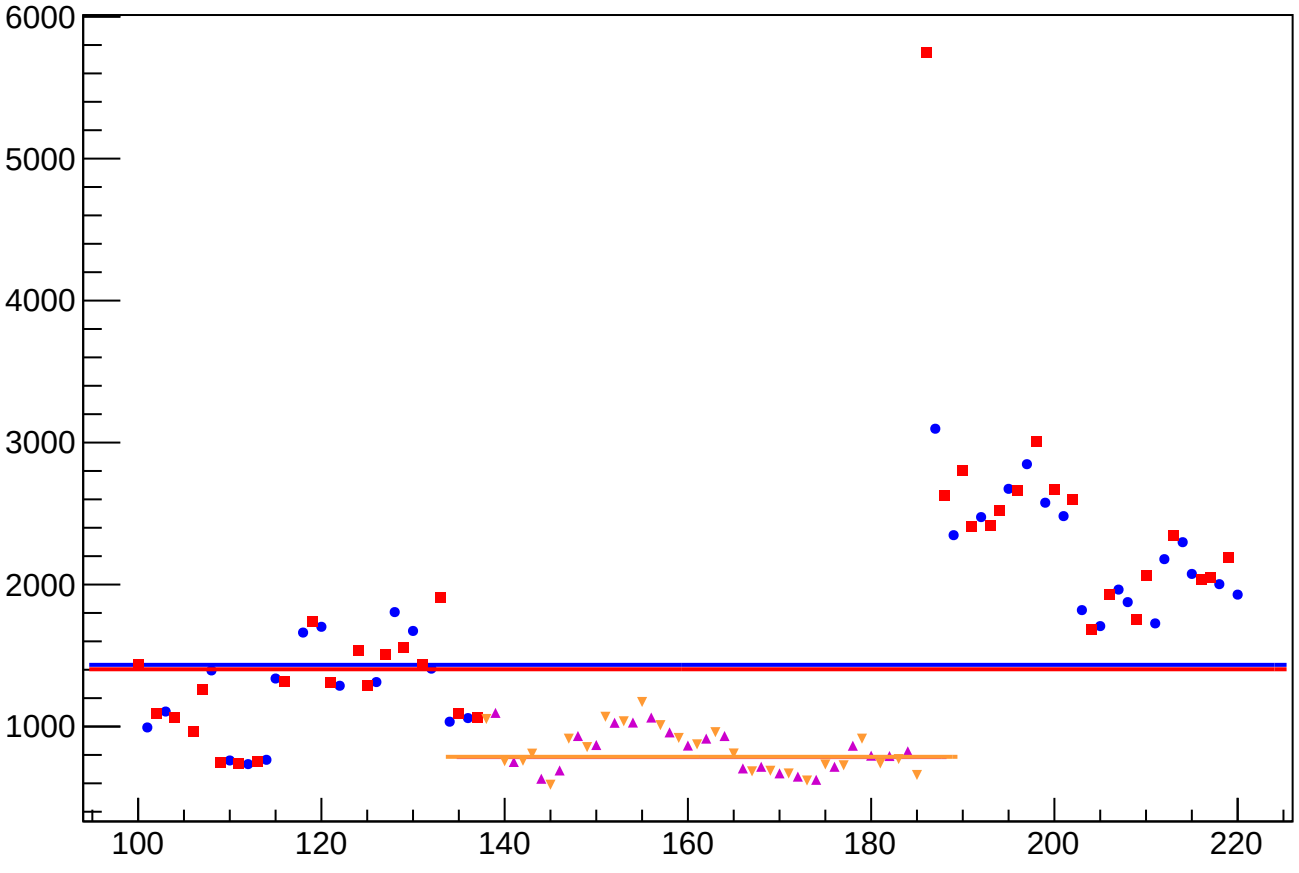
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -929.404+/-160.378 χ^2/NDF: 121.6/57

All: -719.651+/-114.290 χ^2/NDF: 224.4/117

- sign -503.216+/-162.913 χ^2/NDF: 99.3/59

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1434.488+/-0.239 χ^2/NDF: 5782354.6/32

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1403.308+/-0.236 χ^2/NDF: 7432093.4/36

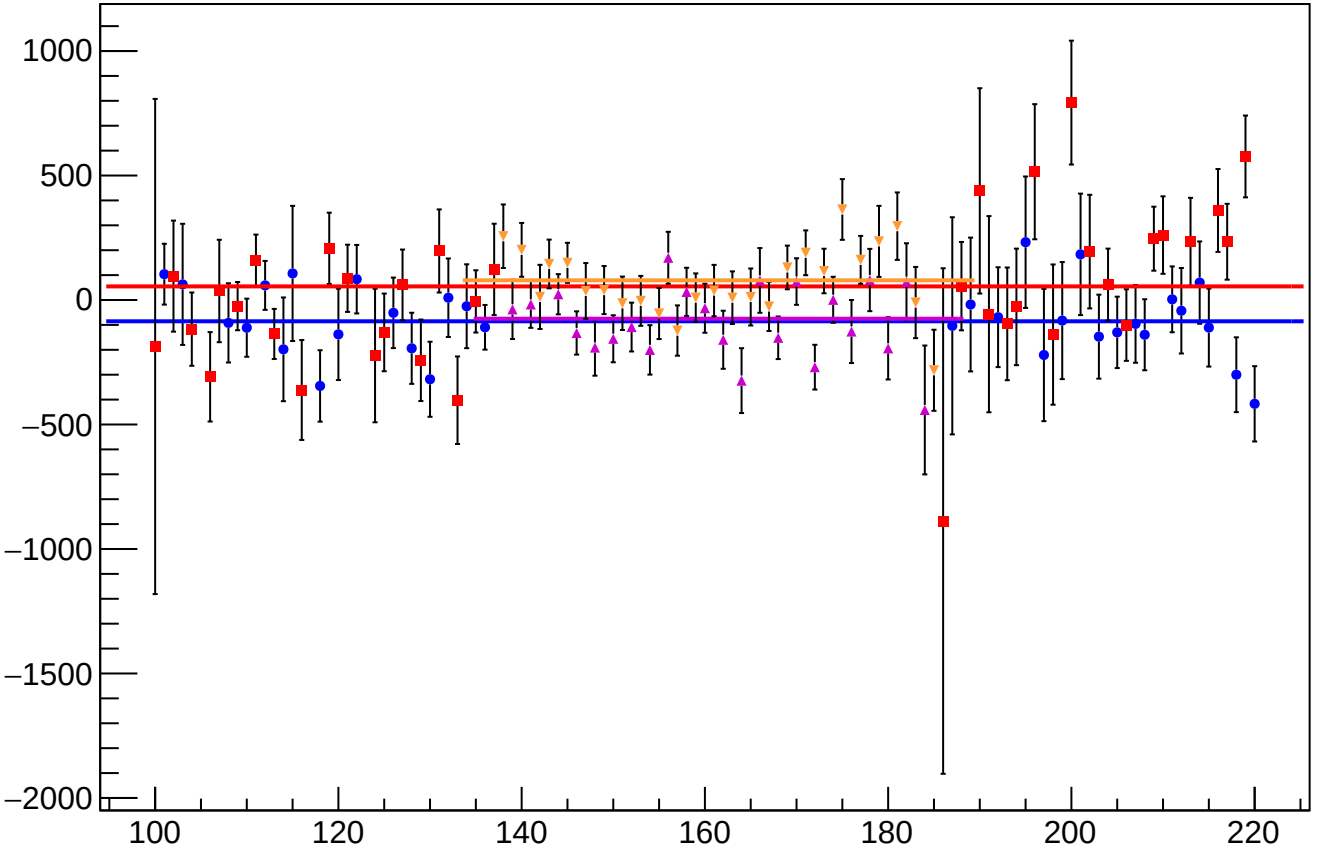
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 932.553+/-0.113 χ^2/NDF: 12683448.2/57

All: 932.159+/-0.081 χ^2/NDF: 26400028.5/11

- sign 931.752+/-0.115 χ^2/NDF: 13716555.8/59

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -85.481+/-27.232 χ^2/NDF: 25.9/32

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: 54.656+/-27.282 χ^2/NDF: 65.9/36

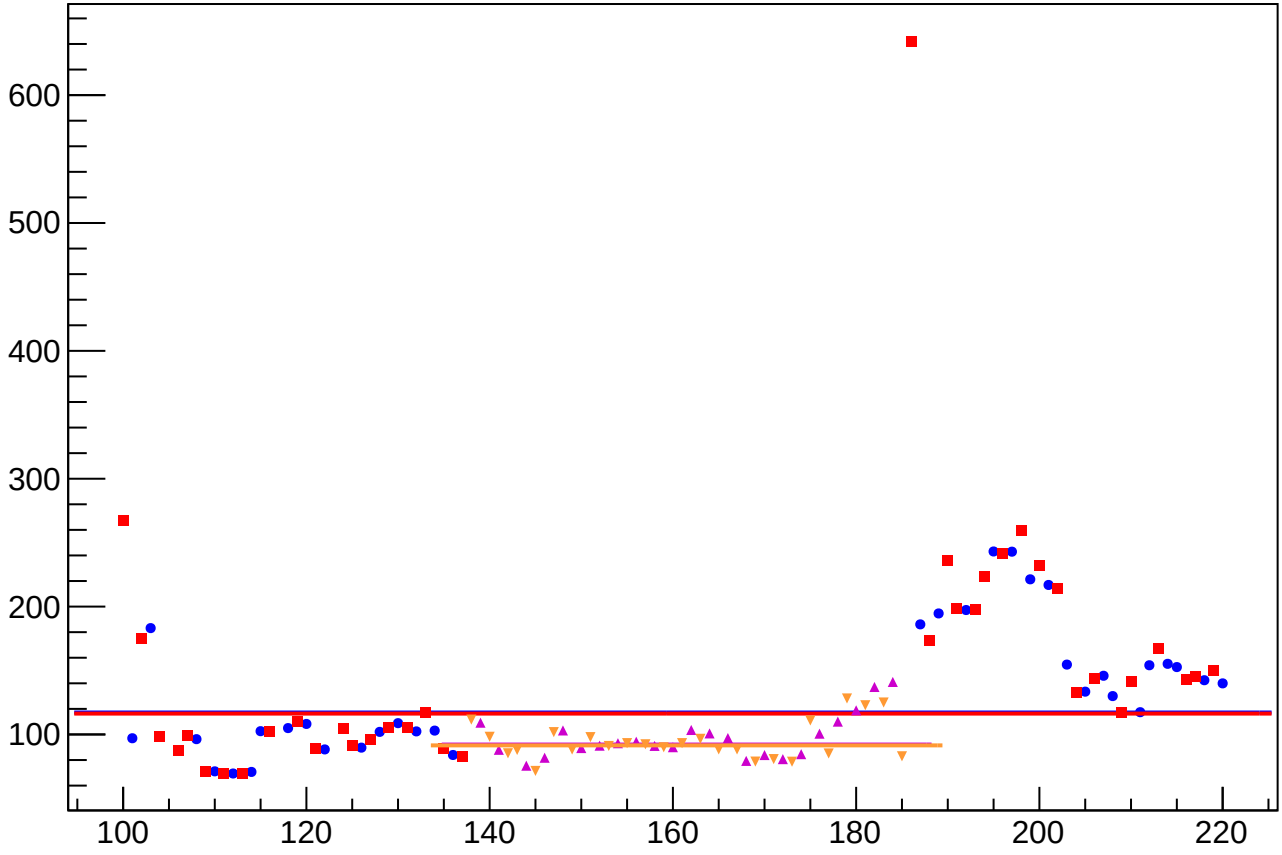
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 17.355+/-16.680 χ^2/NDF: 80.7/57

All: -3.067+/-11.923 χ^2/NDF: 196.0/117

- sign -24.401+/-17.048 χ^2/NDF: 112.3/59

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 117.170+/-0.019 χ^2/NDF: 4418269.8/32

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

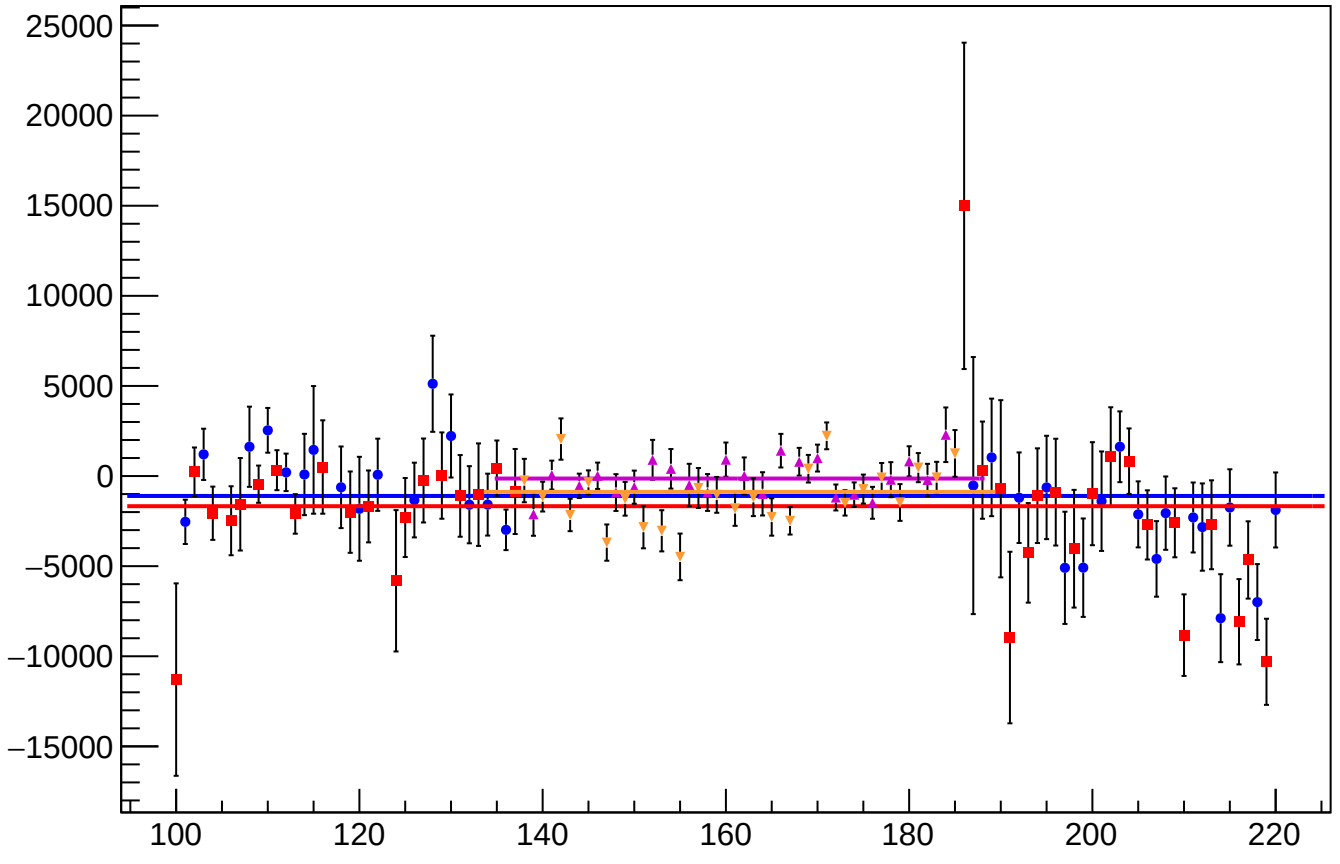
Right Out: 116.321+/-0.019 χ^2/NDF: 5881681.7/36

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 101.107+/-0.012 χ^2/NDF: 6283181.3/57

All: 101.328+/-0.008 χ^2/NDF: 13825965.2/11

- sign 101.558+/-0.012 χ^2/NDF: 7542067.9/59



Right In: -1104.816+/-338.043 χ^2/NDF: 53.6/32

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

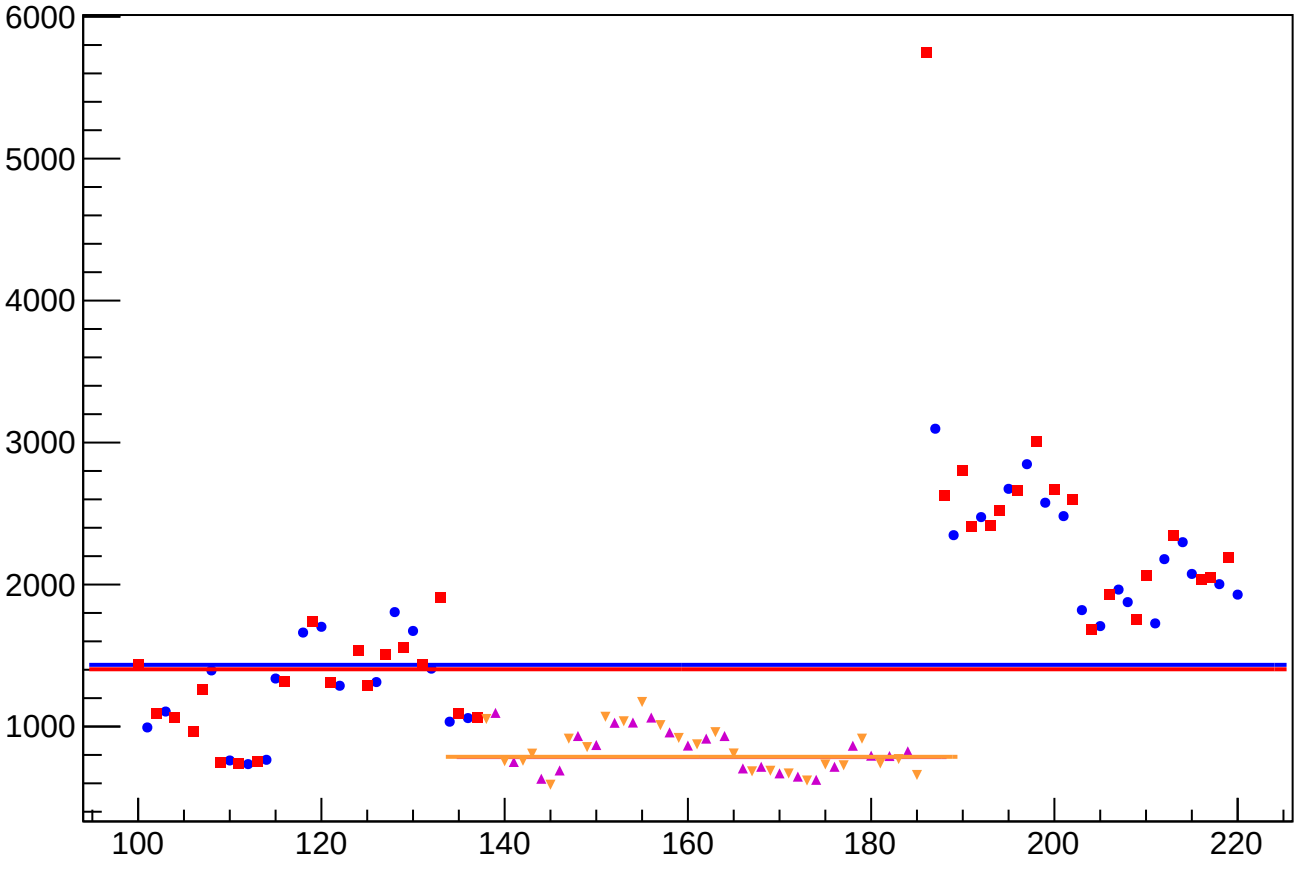
Right Out: -1673.085+/-334.255 χ^2/NDF: 59.0/36

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -929.404+/-160.378 χ^2/NDF: 121.6/57

All: -719.651+/-114.290 χ^2/NDF: 224.4/117

- sign -503.216+/-162.913 χ^2/NDF: 99.3/59



Right In: 1434.488+/-0.239 χ^2/NDF: 5782354.6/32

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1403.308+/-0.236 χ^2/NDF: 7432093.4/36

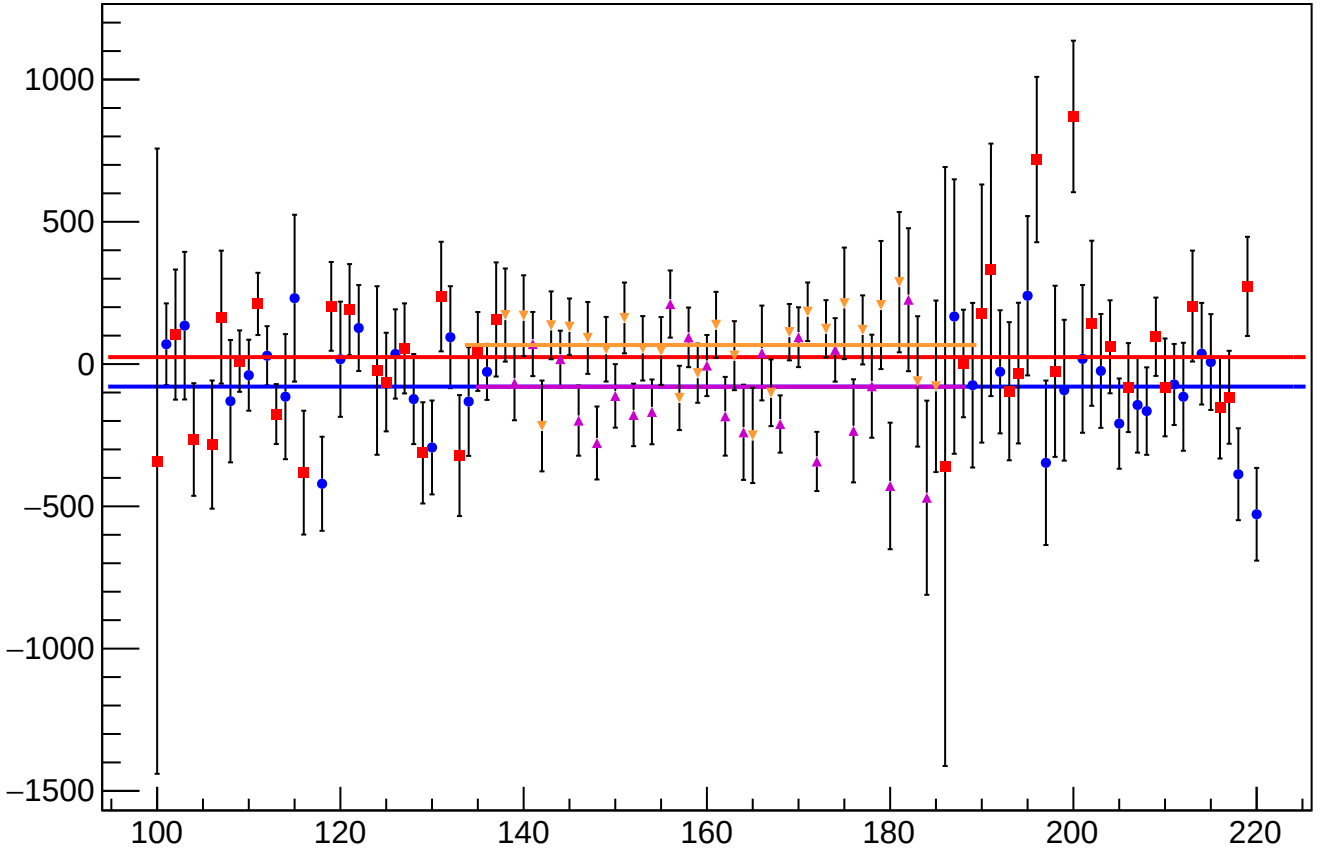
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 932.553+/-0.113 χ^2/NDF: 12683448.2/57

All: 932.159+/-0.081 χ^2/NDF: 26400028.5/11

- sign 931.752+/-0.115 χ^2/NDF: 13716555.8/59

dit_asym_sam_3748_avg_mean vs Slug



Right In: -79.224+/-29.965 χ^2/NDF: 29.9/32

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 24.437+/-30.140 χ^2/NDF: 48.1/36

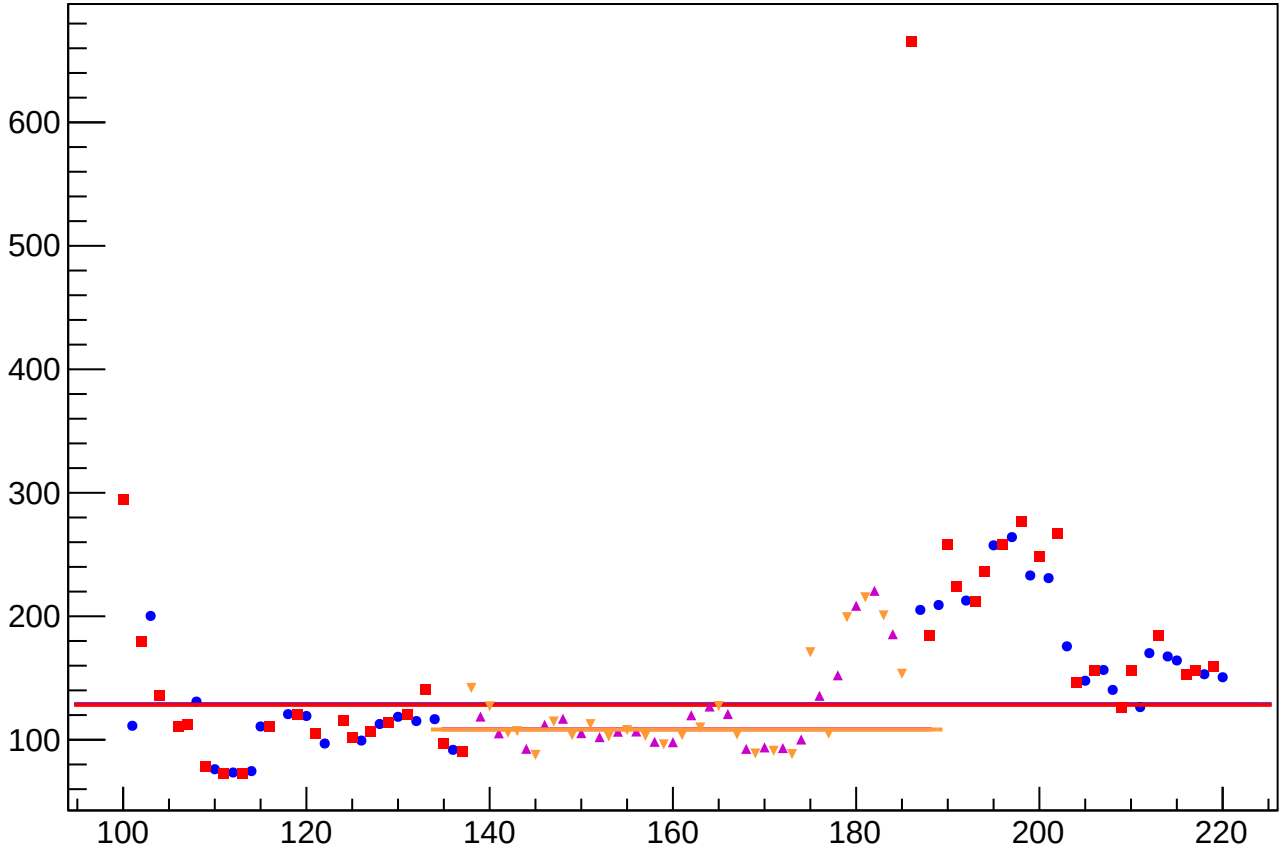
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 5.289+/-19.457 χ^2/NDF: 63.2/57

All: -14.352+/-13.883 χ^2/NDF: 157.1/117

- sign -34.724+/-19.816 χ^2/NDF: 91.8/59

dit_asym_sam_3748_avg_rms vs Slug



Right In: 128.751+/-0.021 χ^2/NDF: 4324353.4/32

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

Right Out: 128.331+/-0.021 χ^2/NDF: 5799416.1/36

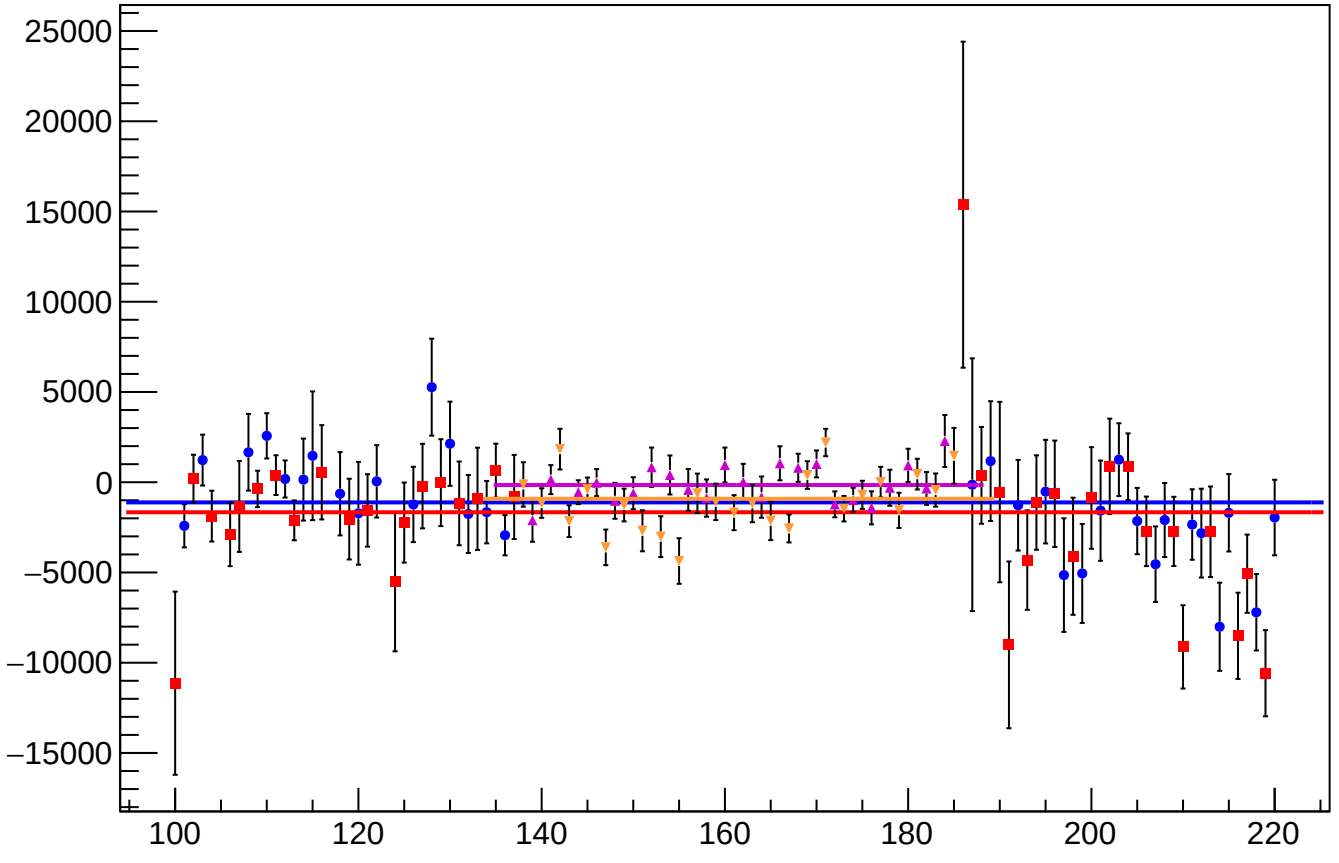
Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 116.940+/-0.014 χ^2/NDF: 6636173.8/57

All: 117.003+/-0.010 χ^2/NDF: 14306981.7/11

- sign 117.068+/-0.014 χ^2/NDF: 7670765.6/59

asym_sam_3748_avg_dit_correction_mean vs Slug



Right In: -1117.528+/-337.568 χ^2/NDF: 53.8/32

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -1662.850+/-331.310 χ^2/NDF: 63.6/36

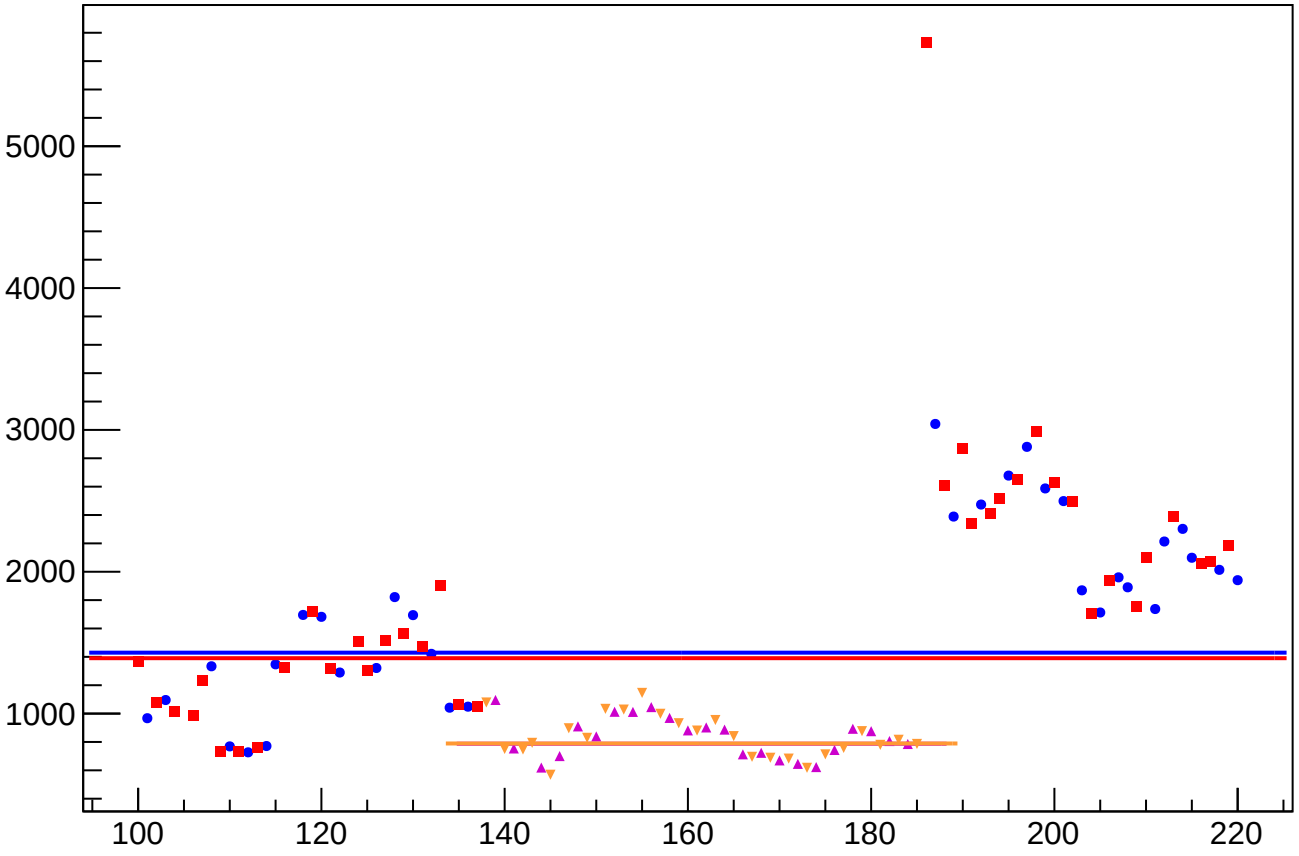
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -963.682+/-160.514 χ^2/NDF: 118.2/57

All: -745.304+/-114.344 χ^2/NDF: 224.3/117

- sign -520.311+/-162.927 χ^2/NDF: 102.4/59

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1429.577+/-0.239 χ^2/NDF: 5955827.6/32

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1390.589+/-0.234 χ^2/NDF: 7581802.5/36

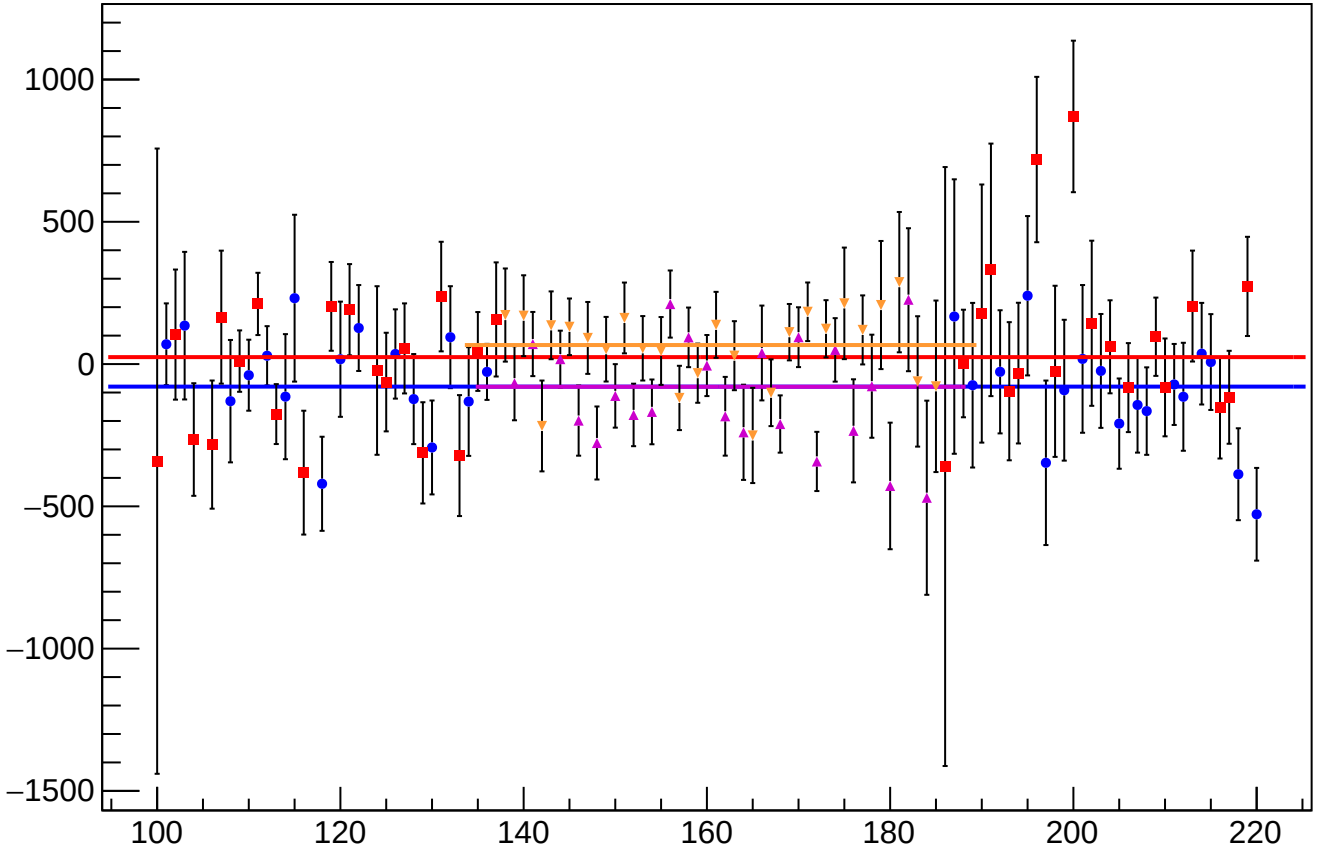
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

\+ sign 934.028+/-0.114 χ^2/NDF: 12701856.2/57

All: 933.652+/-0.081 χ^2/NDF: 26351365.6/11

\- sign 933.264+/-0.115 χ^2/NDF: 13649487.0/59

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -79.222+/-29.965 χ^2/NDF: 29.9/32

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 24.440+/-30.140 χ^2/NDF: 48.1/36

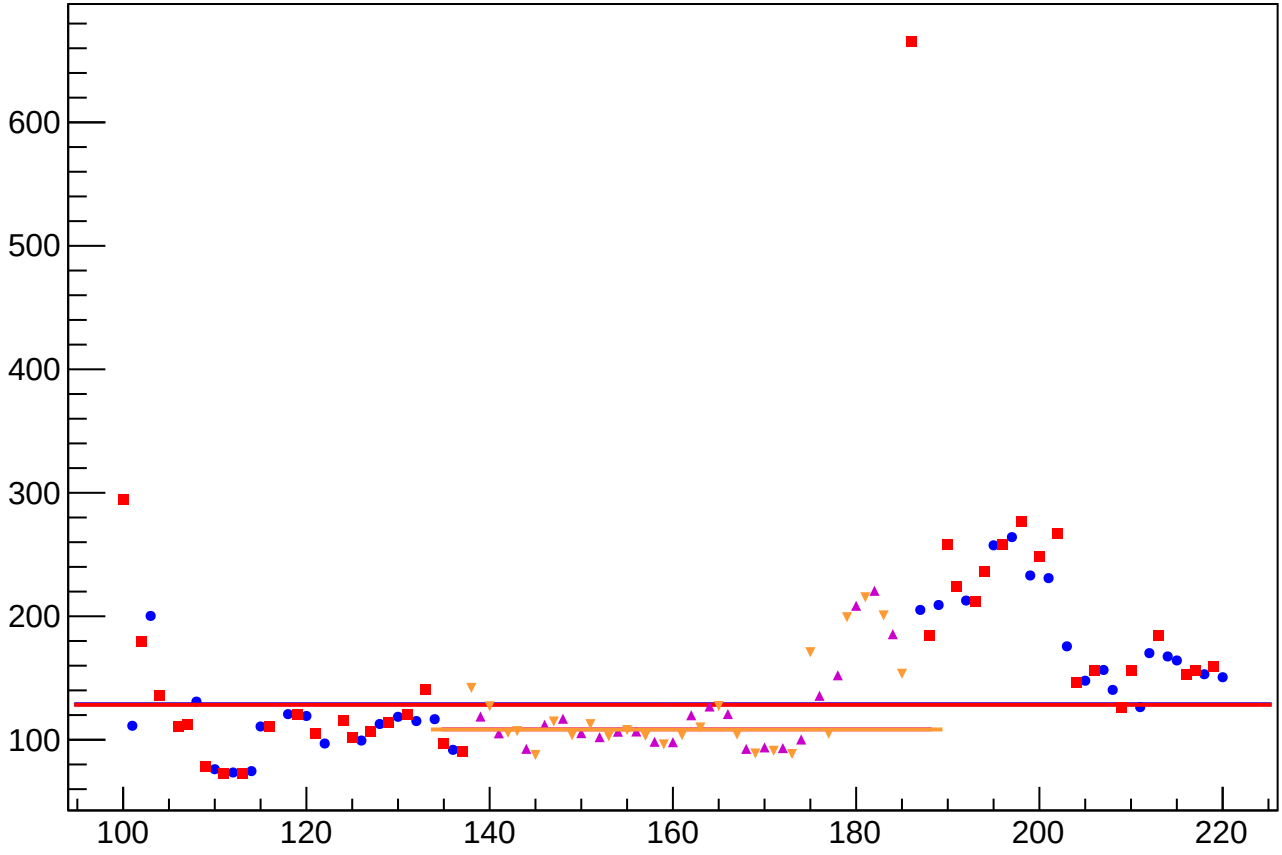
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 5.291+/-19.457 χ^2/NDF: 63.2/57

All: -14.350+/-13.883 χ^2/NDF: 157.1/117

- sign -34.723+/-19.816 χ^2/NDF: 91.8/59

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 128.751+/-0.021 χ^2/NDF: 4324335.2/32

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

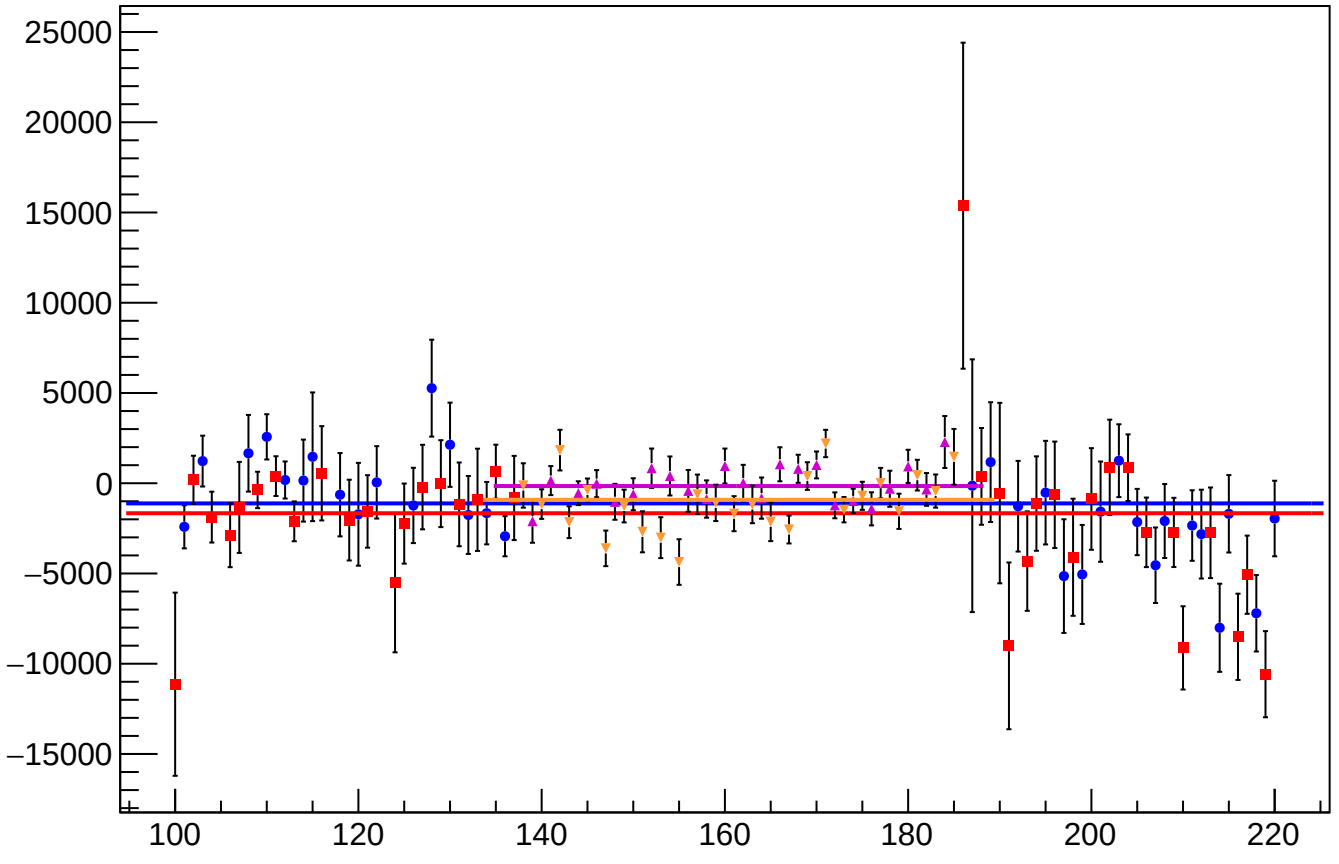
Right Out: 128.331+/-0.021 χ^2/NDF: 5799413.5/36

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 116.940+/-0.014 χ^2/NDF: 6636139.0/57

All: 117.003+/-0.010 χ^2/NDF: 14306915.1/11

- sign 117.068+/-0.014 χ^2/NDF: 7670733.7/59



Right In: -1117.525+/-337.568 χ^2/NDF: 53.8/32

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

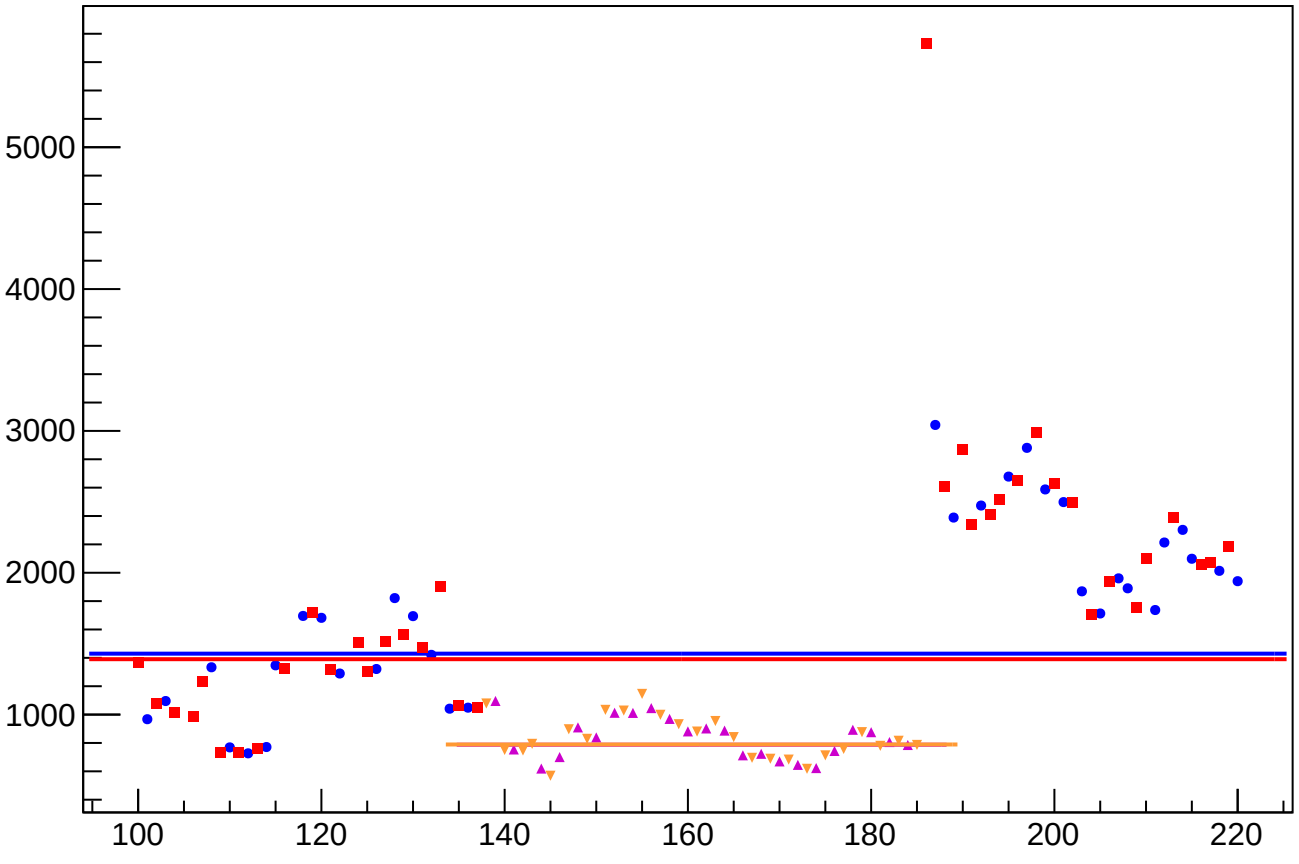
Right Out: -1662.847+/-331.309 χ^2/NDF: 63.6/36

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -963.681+/-160.514 χ^2/NDF: 118.2/57

All: -745.303+/-114.344 χ^2/NDF: 224.3/117

- sign -520.309+/-162.927 χ^2/NDF: 102.4/59



Right In: 1429.574+/-0.239 χ^2/NDF: 5955841.9/32

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1390.587+/-0.234 χ^2/NDF: 7581812.0/36

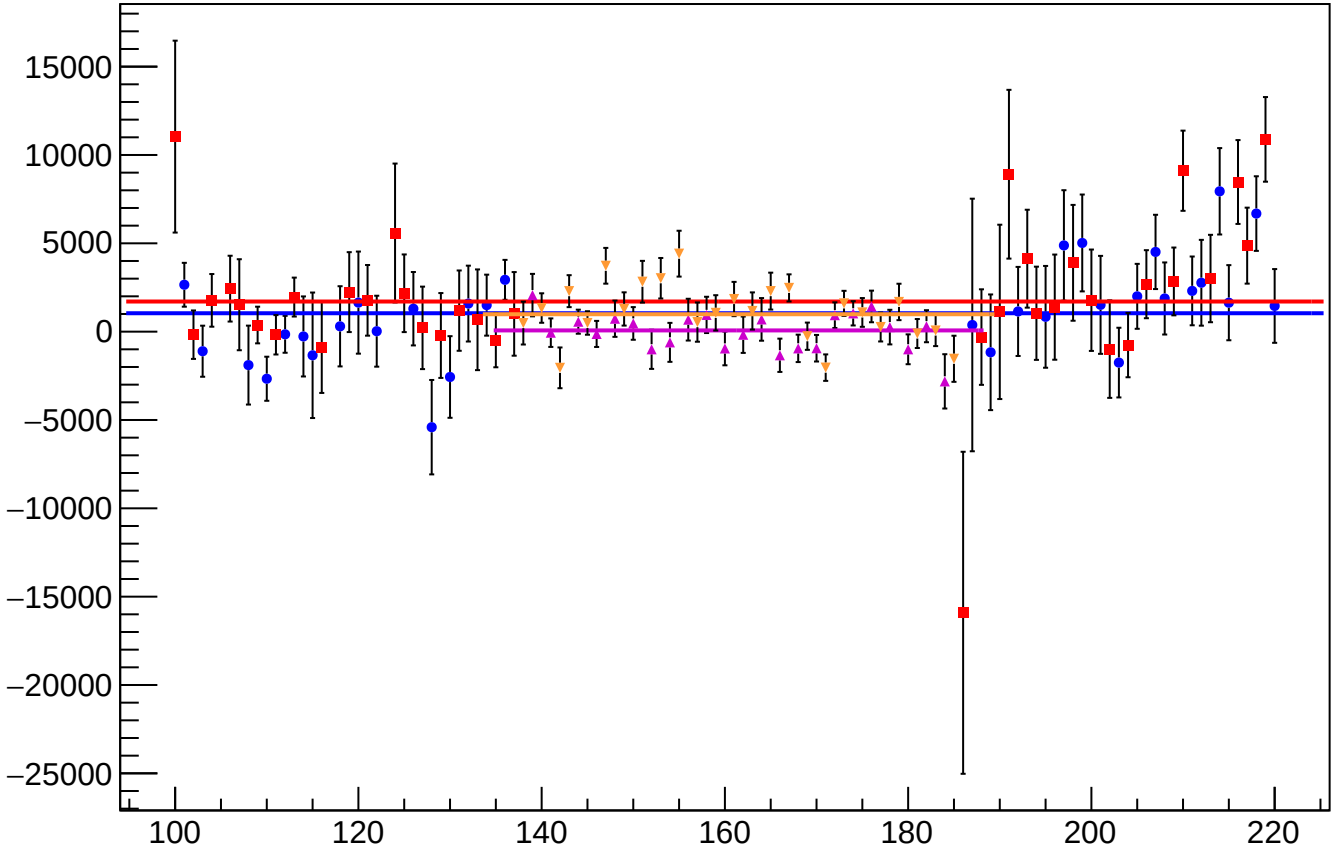
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 934.027+/-0.114 χ^2/NDF: 12701875.1/57

All: 933.650+/-0.081 χ^2/NDF: 26351397.7/11

- sign 933.262+/-0.115 χ^2/NDF: 13649500.3/59

asym_sam_3748_avg_mean vs Slug



Right In: 1042.486+/-339.589 χ^2/NDF: 53.6/32

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 1705.802+/-335.416 χ^2/NDF: 62.1/36

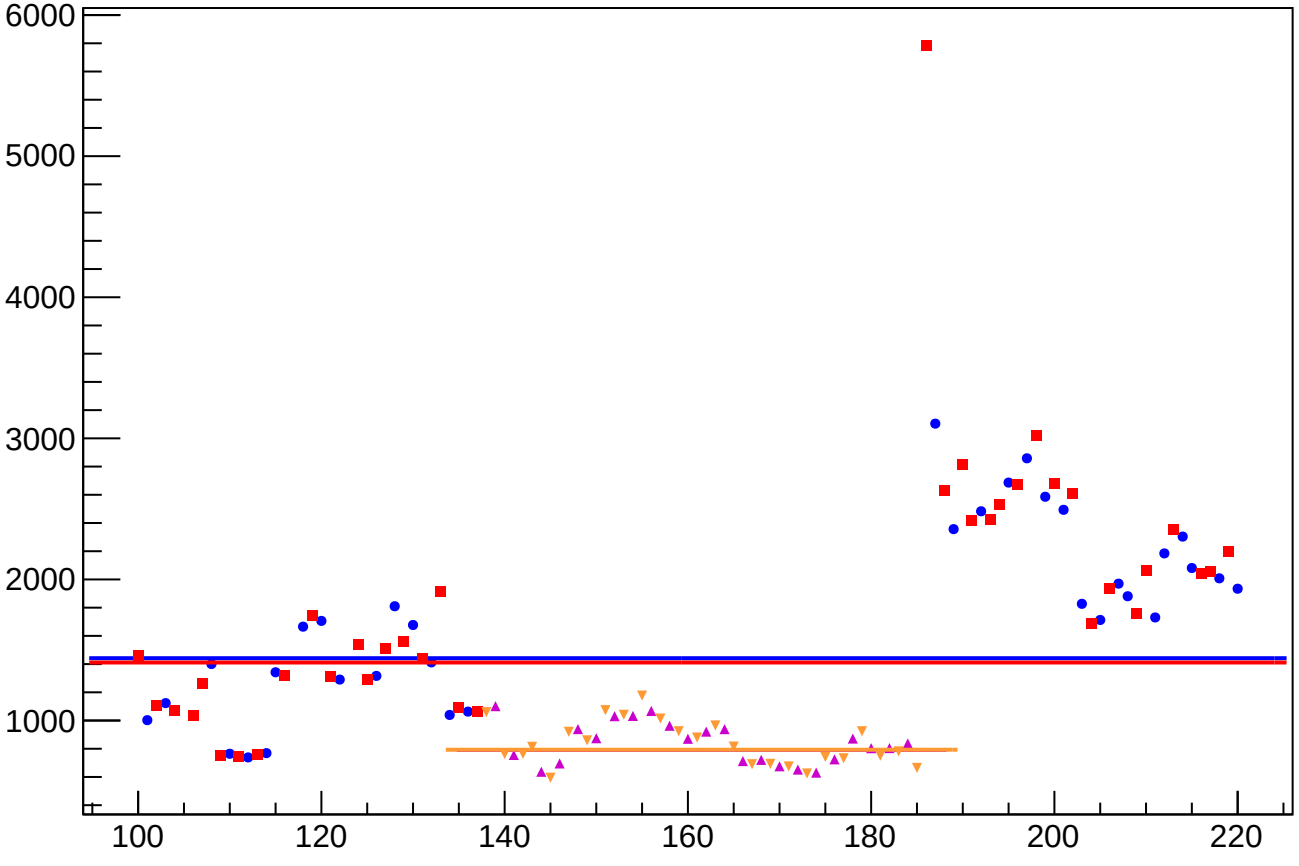
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 998.511+/-161.507 χ^2/NDF: 117.4/57

All: 734.017+/-115.081 χ^2/NDF: 227.4/117

- sign 461.229+/-164.020 χ^2/NDF: 104.6/59

asym_sam_3748_avg_rms vs Slug



Right In: 1441.716+/-0.240 χ^2/NDF: 5749744.2/32

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

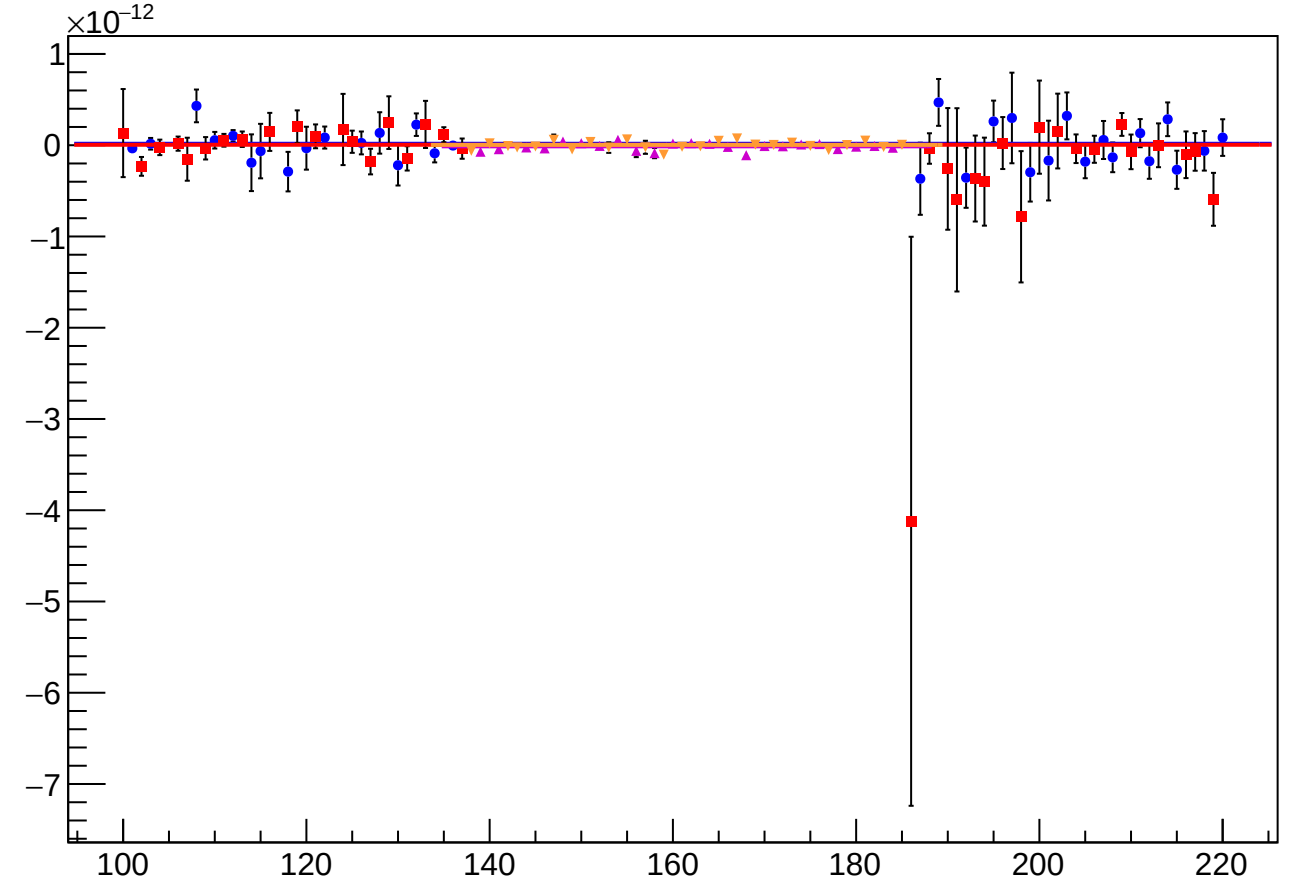
Right Out: 1411.249+/-0.237 χ^2/NDF: 7382228.7/36

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 939.773+/-0.114 χ^2/NDF: 12590435.9/57

All: 939.607+/-0.081 χ^2/NDF: 26222814.2/11

- sign 939.436+/-0.116 χ^2/NDF: 13632374.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 34.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

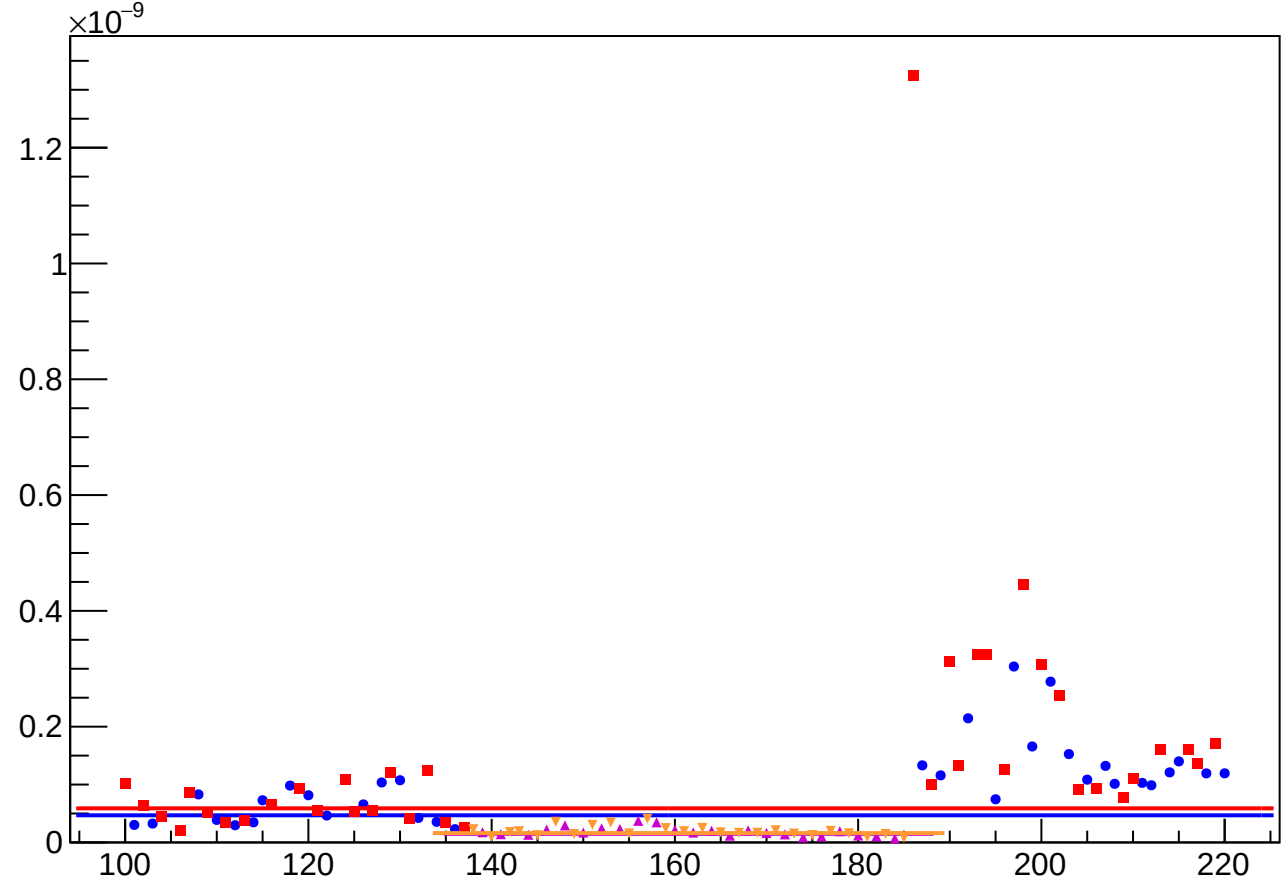
Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/36

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.3/57

All: -0.000+/-0.000 χ^2/NDF: 126.5/117

- sign -0.000+/-0.000 χ^2/NDF: 54.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 6719811.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

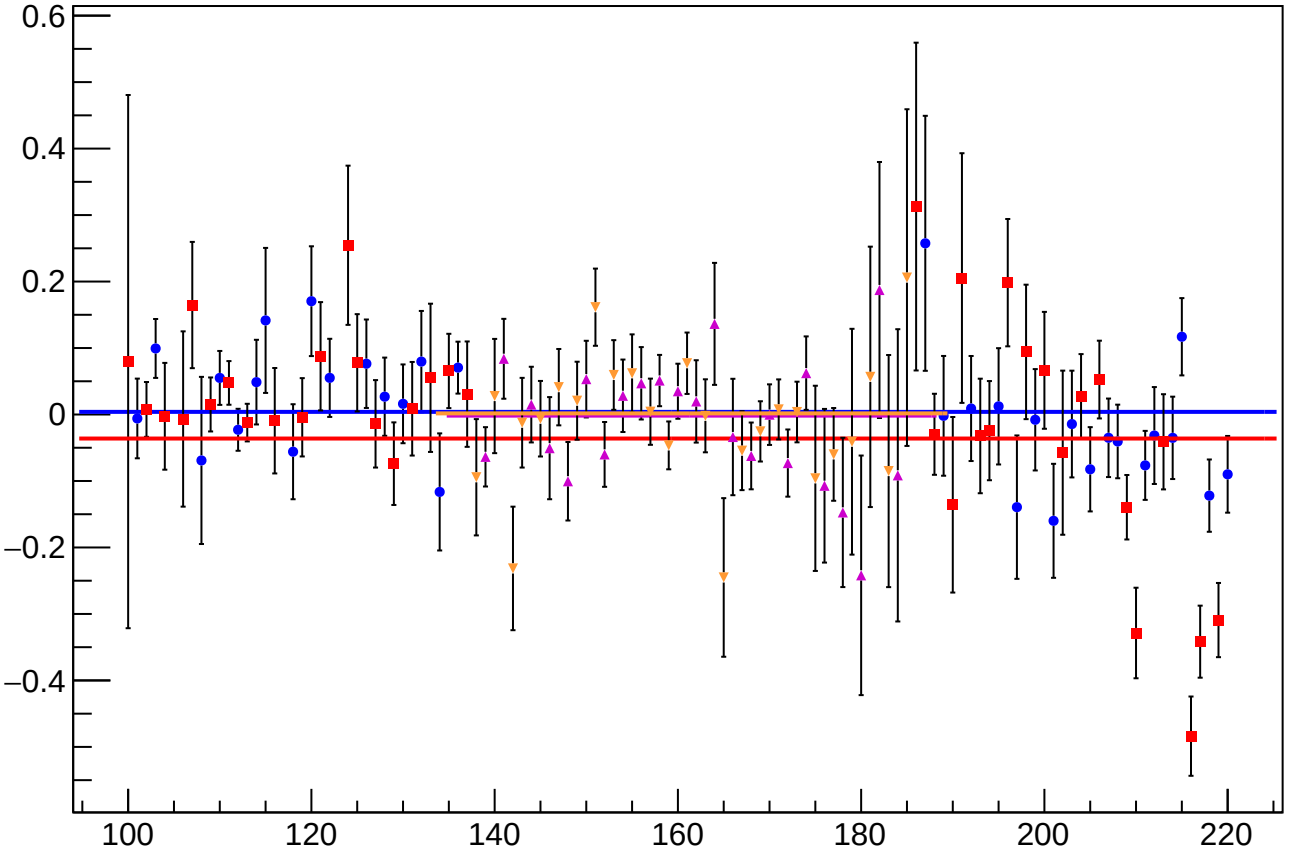
Right Out: 0.000+/-0.000 χ^2/NDF: 6918844.8/36

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12630640.1/57

All: 0.000+/-0.000 χ^2/NDF: 27427462.5/117

- sign 0.000+/-0.000 χ^2/NDF: 14751169.2/59



Right In: 0.004+/-0.011 χ^2/NDF: 47.1/32

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.036+/-0.010 χ^2/NDF: 183.0/36

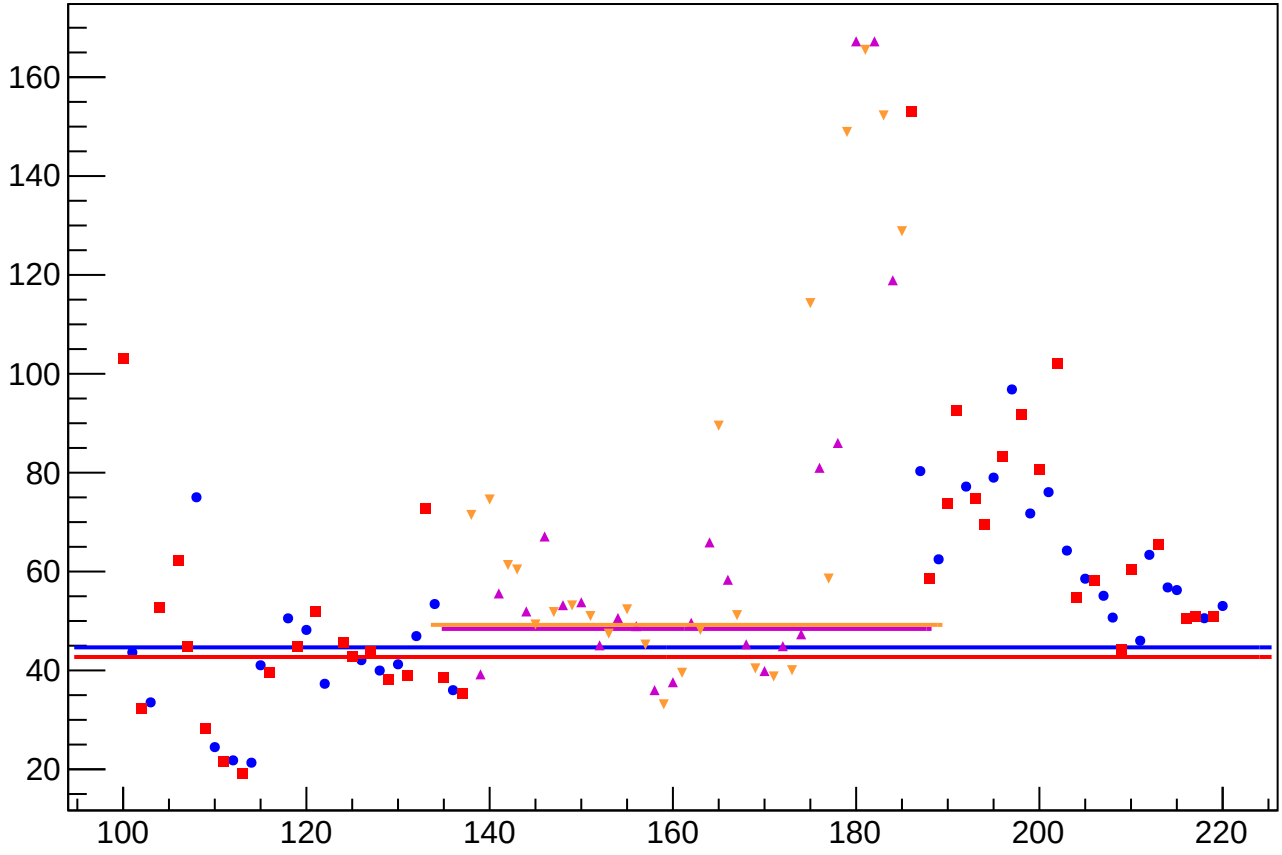
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.003+/-0.008 χ^2/NDF: 77.5/57

All: -0.010+/-0.006 χ^2/NDF: 296.0/117

- sign -0.022+/-0.008 χ^2/NDF: 213.6/59

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 44.665+/-0.008 χ^2/NDF: 4687460.7/32

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

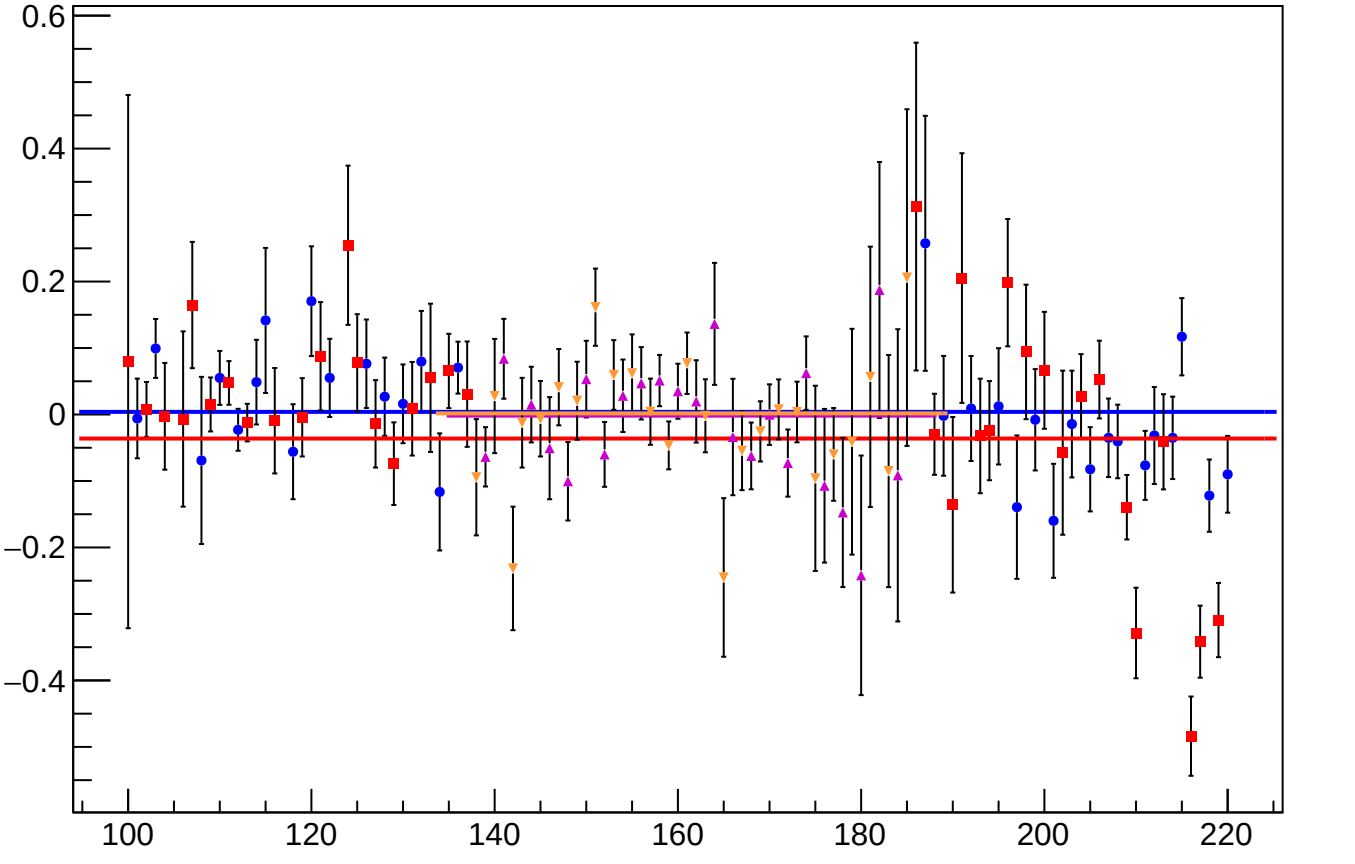
Right Out: 42.717+/-0.007 χ^2/NDF: 6605180.6/36

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 46.619+/-0.006 χ^2/NDF: 9015447.0/57

All: 45.837+/-0.004 χ^2/NDF: 18937440.9/117

- sign 45.072+/-0.006 χ^2/NDF: 9884724.2/59



Right In: 0.004+/-0.011 χ^2/NDF: 47.1/32

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: -0.036+/-0.010 χ^2/NDF: 183.0/36

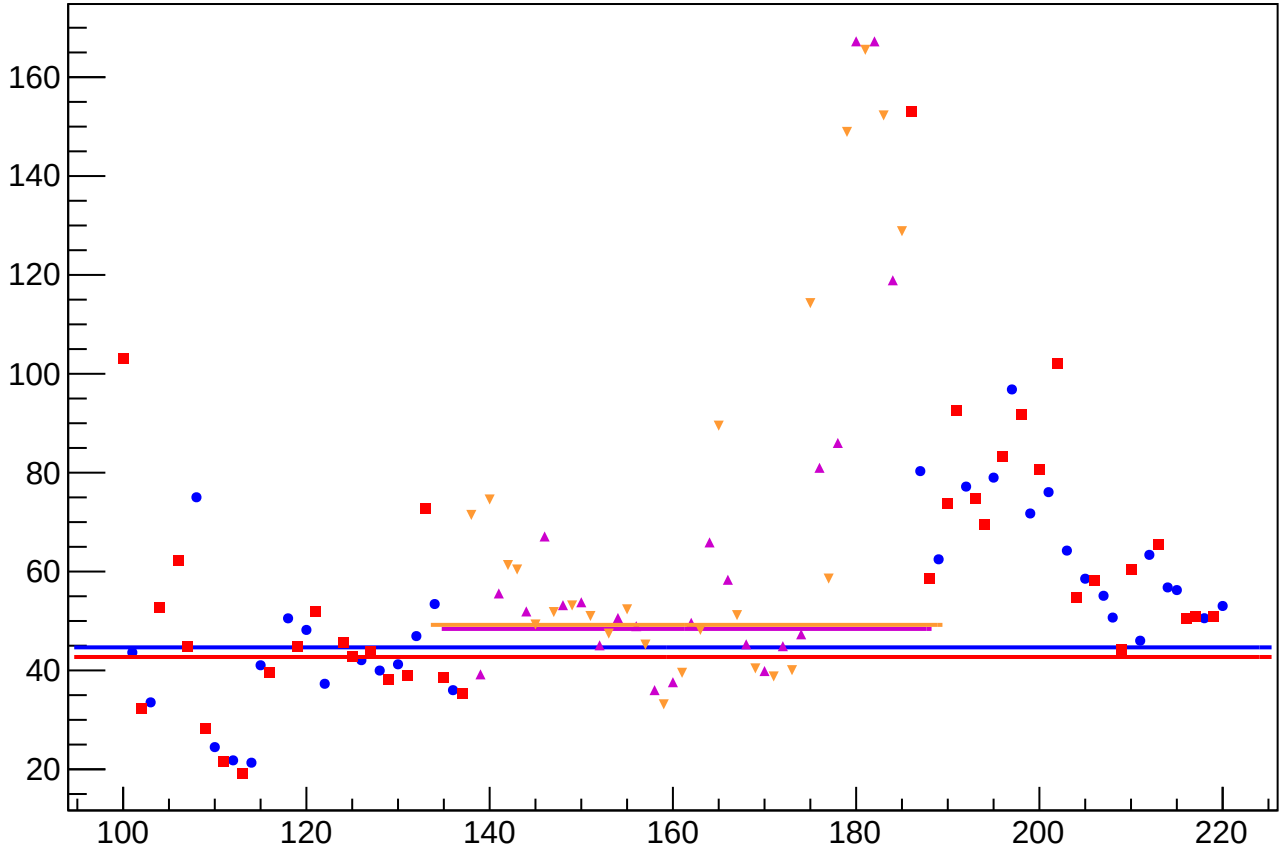
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.003+/-0.008 χ^2/NDF: 77.5/57

All: -0.010+/-0.006 χ^2/NDF: 296.0/117

- sign -0.022+/-0.008 χ^2/NDF: 213.6/59

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.665+/-0.008 χ^2/NDF: 4687460.7/32

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

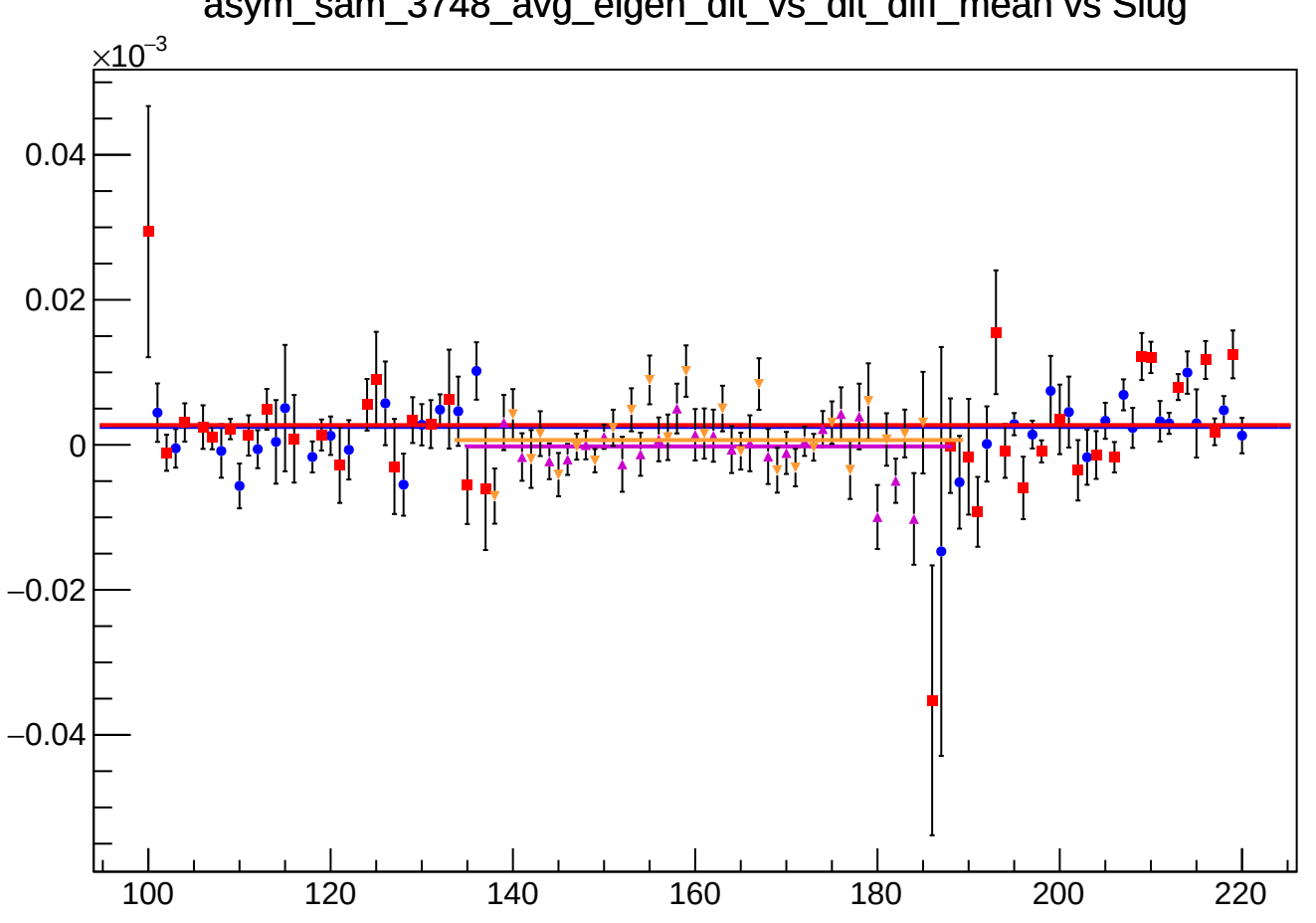
Right Out: 42.717+/-0.007 χ^2/NDF: 6605180.6/36

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 46.619+/-0.006 χ^2/NDF: 9015447.0/57

All: 45.837+/-0.004 χ^2/NDF: 18937440.9/117

- sign 45.072+/-0.006 χ^2/NDF: 9884724.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 42.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

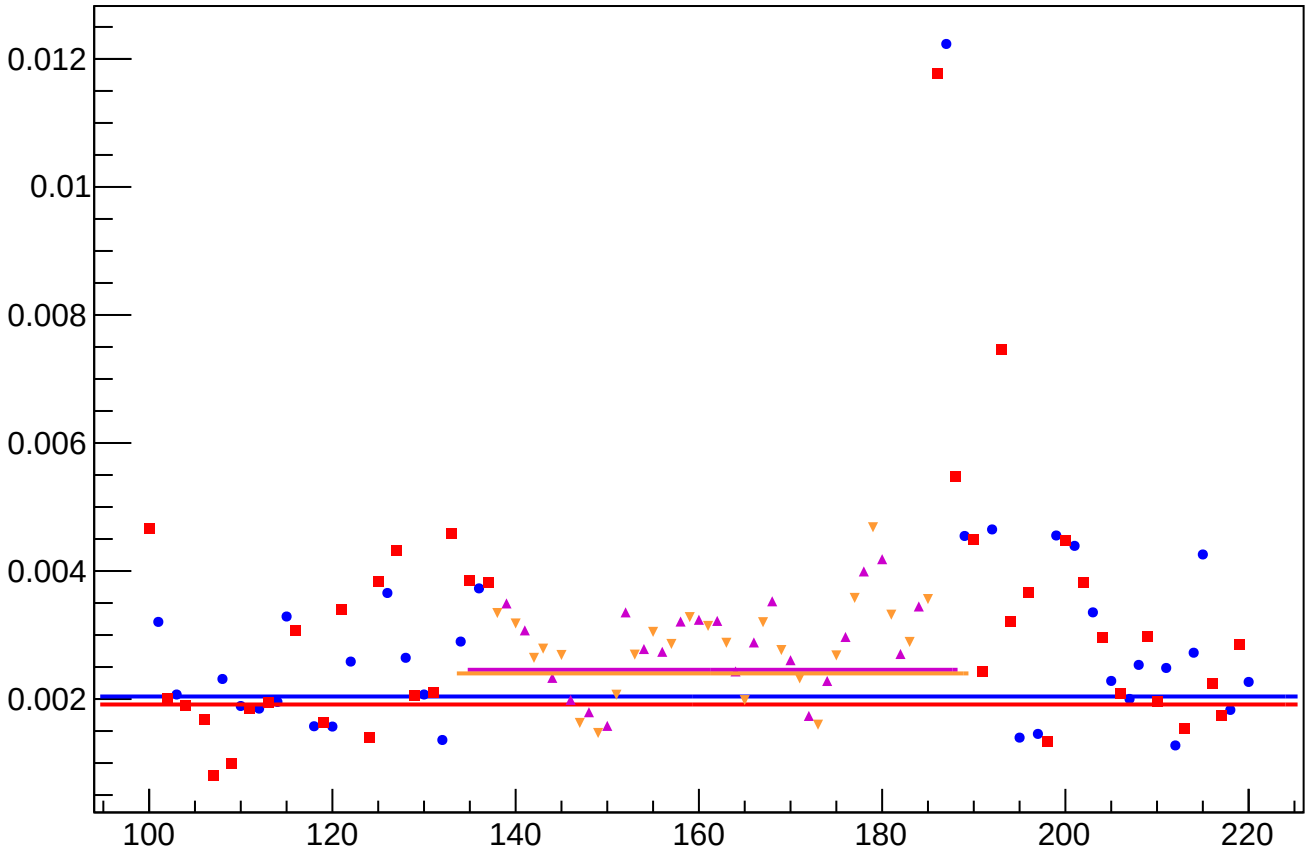
Right Out: 0.000+/-0.000 χ^2/NDF: 103.1/36

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 89.5/57

All: 0.000+/-0.000 χ^2/NDF: 227.1/117

- sign 0.000+/-0.000 χ^2/NDF: 137.6/59



Right In: 0.002+/-0.000 χ^2/NDF: 5404266.1/32

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

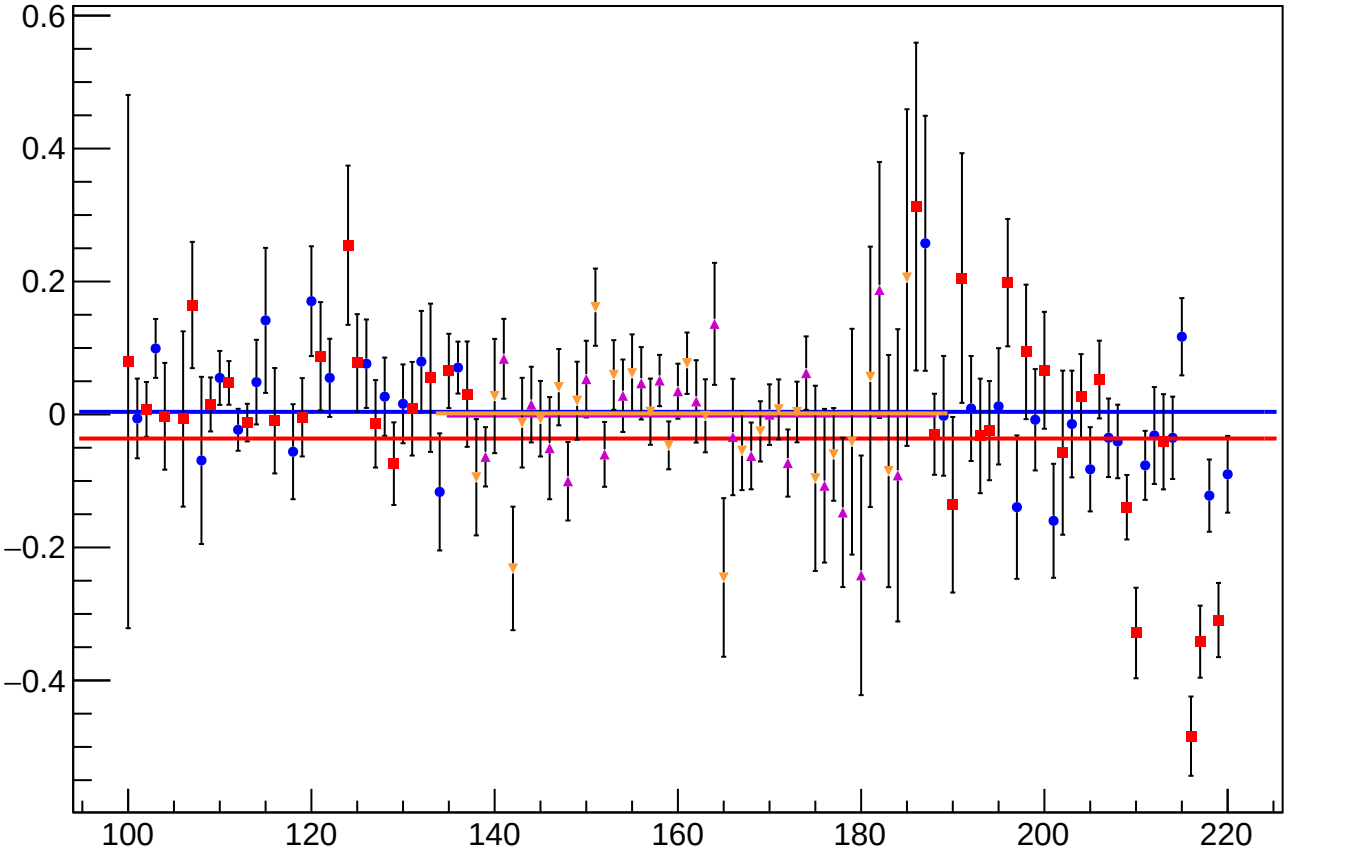
Right Out: 0.002+/-0.000 χ^2/NDF: 8091961.3/36

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 8984843.4/57

All: 0.002+/-0.000 χ^2/NDF: 20744306.1/117

- sign 0.002+/-0.000 χ^2/NDF: 11724145.8/59



Right In: 0.004+/-0.011 χ^2/NDF: 47.1/32

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

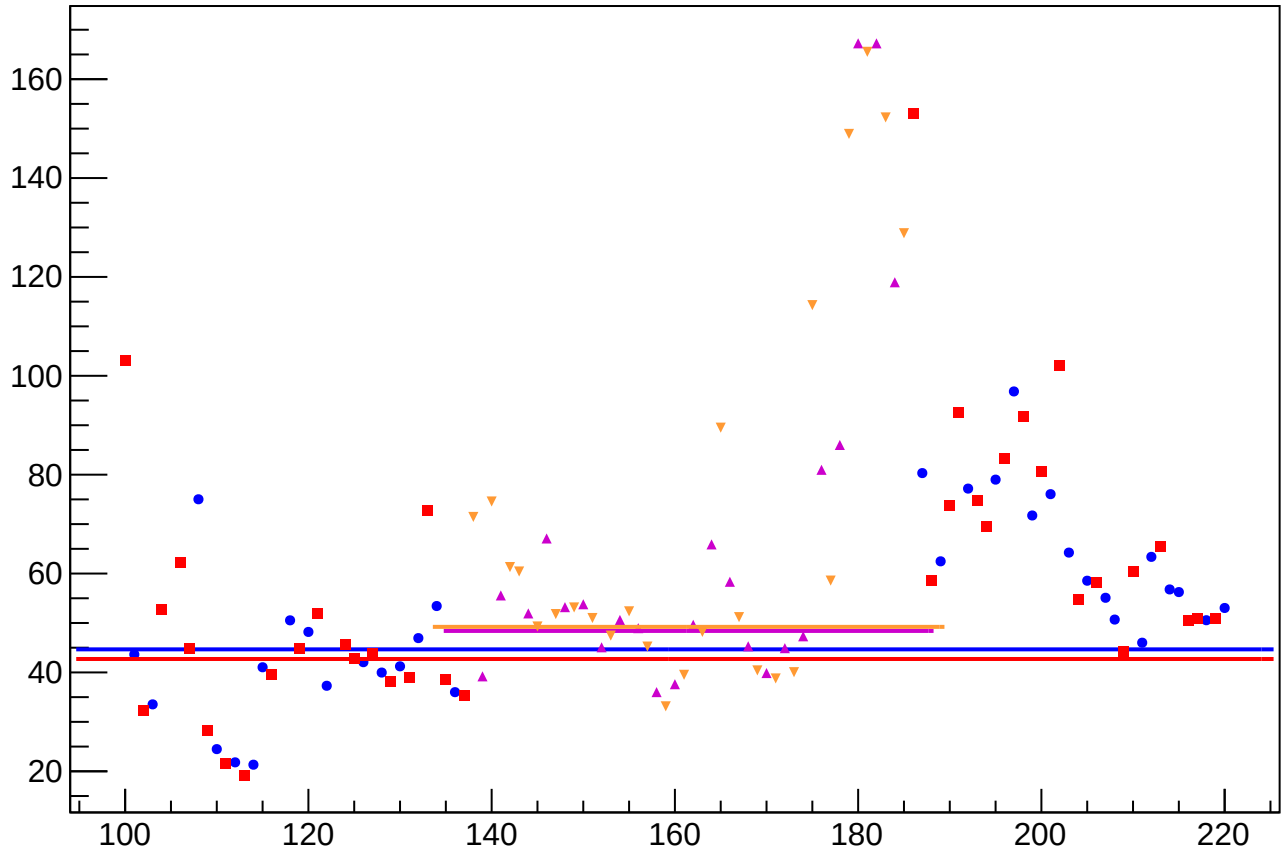
Right Out: -0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.003+/-0.008 χ^2/NDF: 77.5/57

All: -0.010+/-0.006 χ^2/NDF: 295.9/117

- sign -0.022+/-0.008 χ^2/NDF: 213.6/59



Right In: 44.666+/-0.008 χ^2/NDF: 4687304.9/32

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

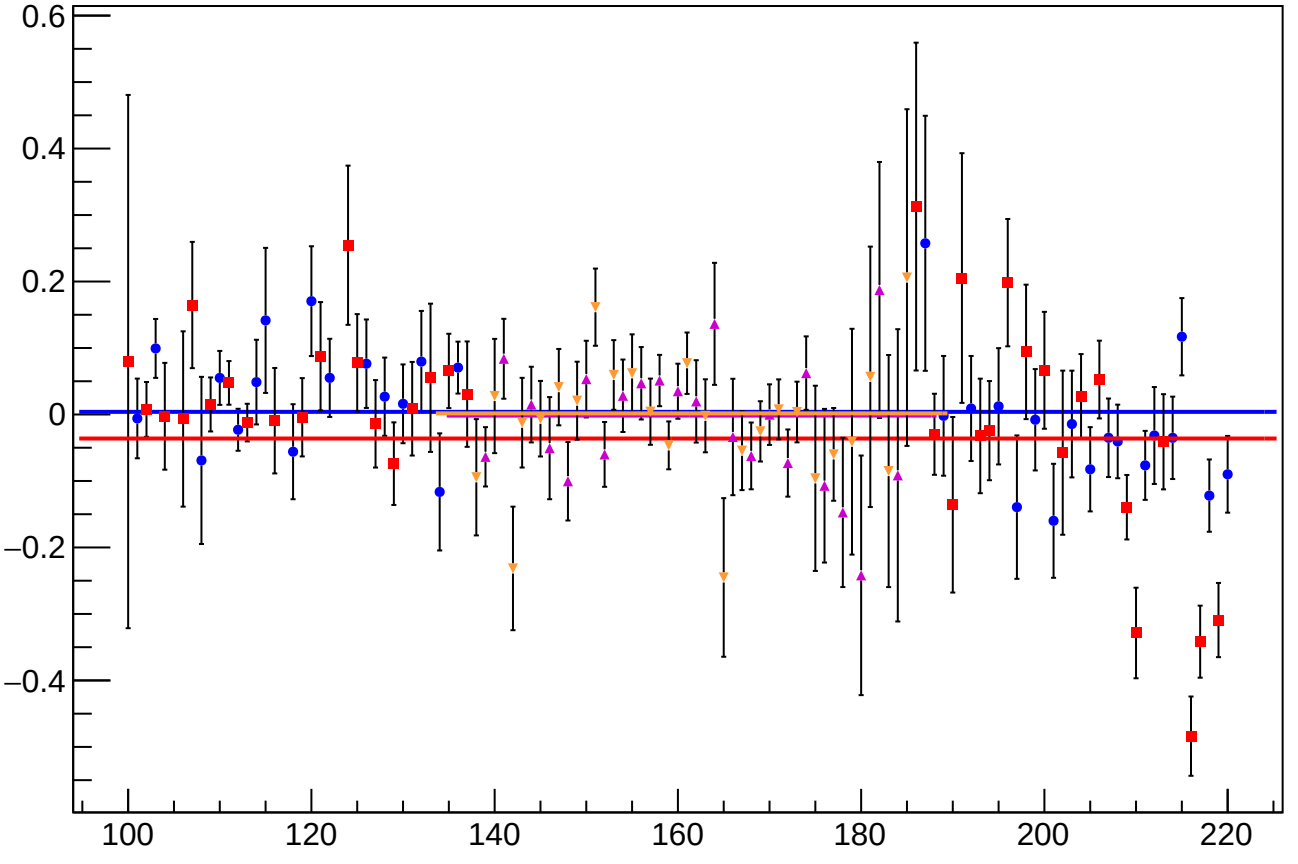
Right Out: 42.717+/-0.007 χ^2/NDF: 6605073.0/36

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 46.620+/-0.006 χ^2/NDF: 9015277.4/57

All: 45.837+/-0.004 χ^2/NDF: 18937138.7/117

- sign 45.073+/-0.006 χ^2/NDF: 9884593.7/59



Right In: 0.004+/-0.011 χ^2/NDF: 47.1/32

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

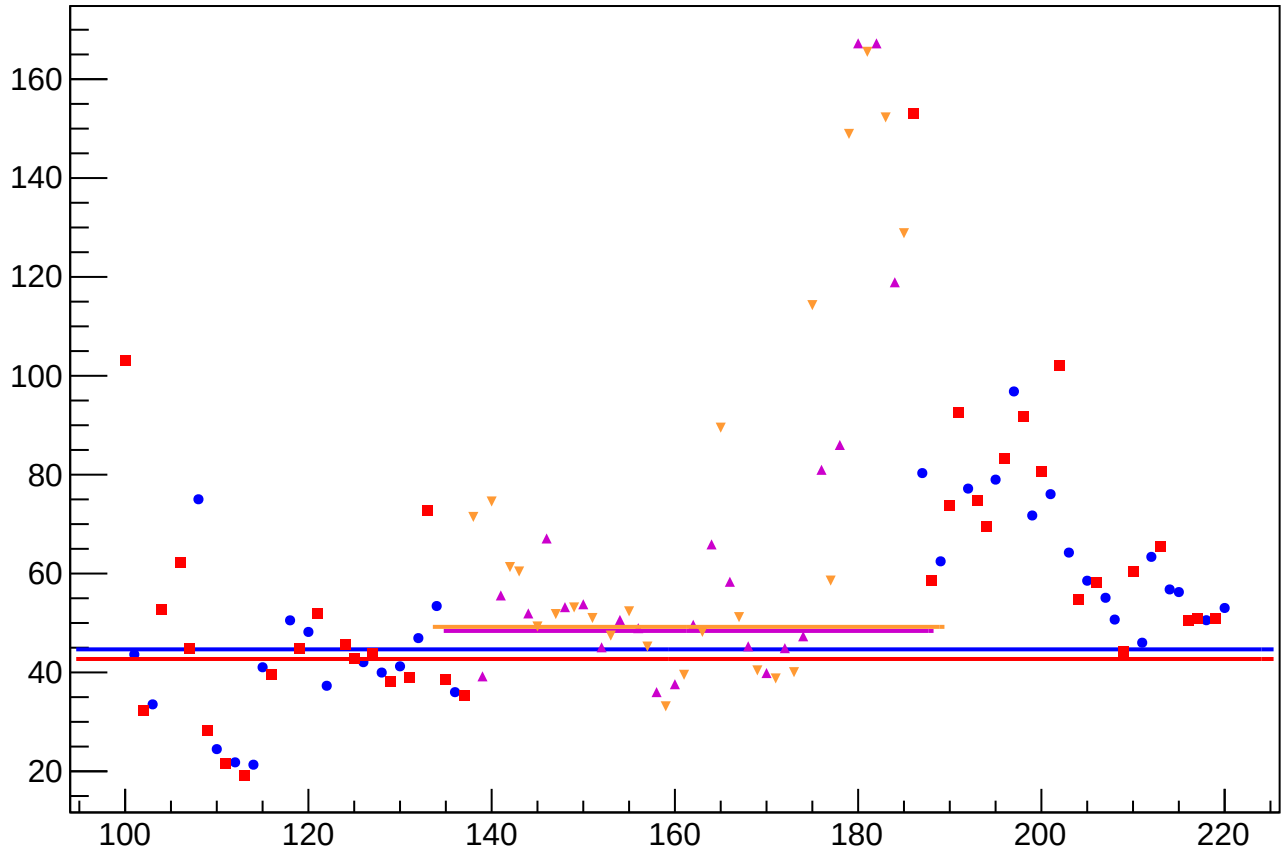
Right Out: -0.036+/-0.010 χ^2/NDF: 183.0/36

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.003+/-0.008 χ^2/NDF: 77.5/57

All: -0.010+/-0.006 χ^2/NDF: 295.9/117

- sign -0.022+/-0.008 χ^2/NDF: 213.6/59



Right In: 44.666+/-0.008 χ^2/NDF: 4687304.9/32

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

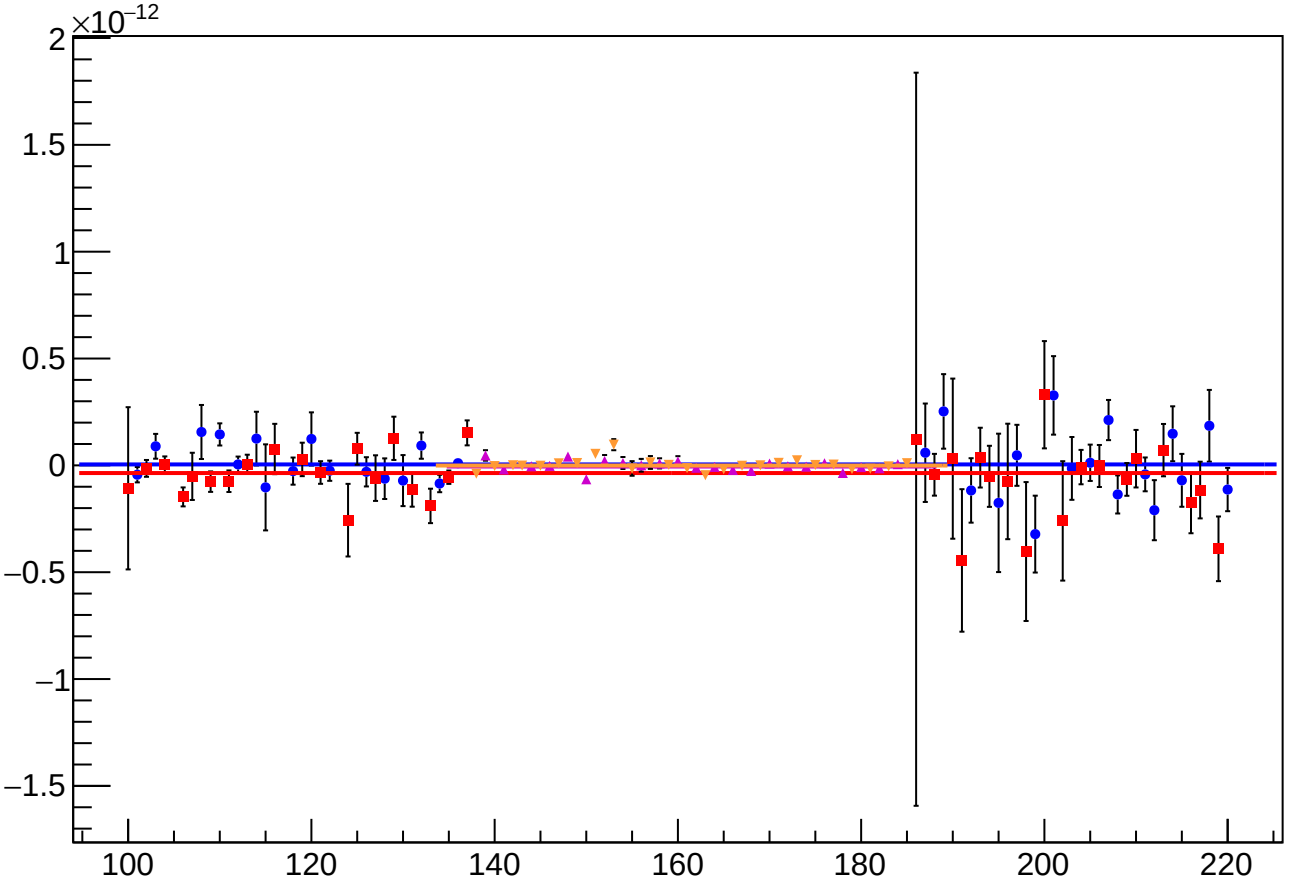
Right Out: 42.717+/-0.007 χ^2/NDF: 6605073.0/36

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 46.620+/-0.006 χ^2/NDF: 9015277.4/57

All: 45.837+/-0.004 χ^2/NDF: 18937138.7/117

- sign 45.073+/-0.006 χ^2/NDF: 9884593.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 47.3/32

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

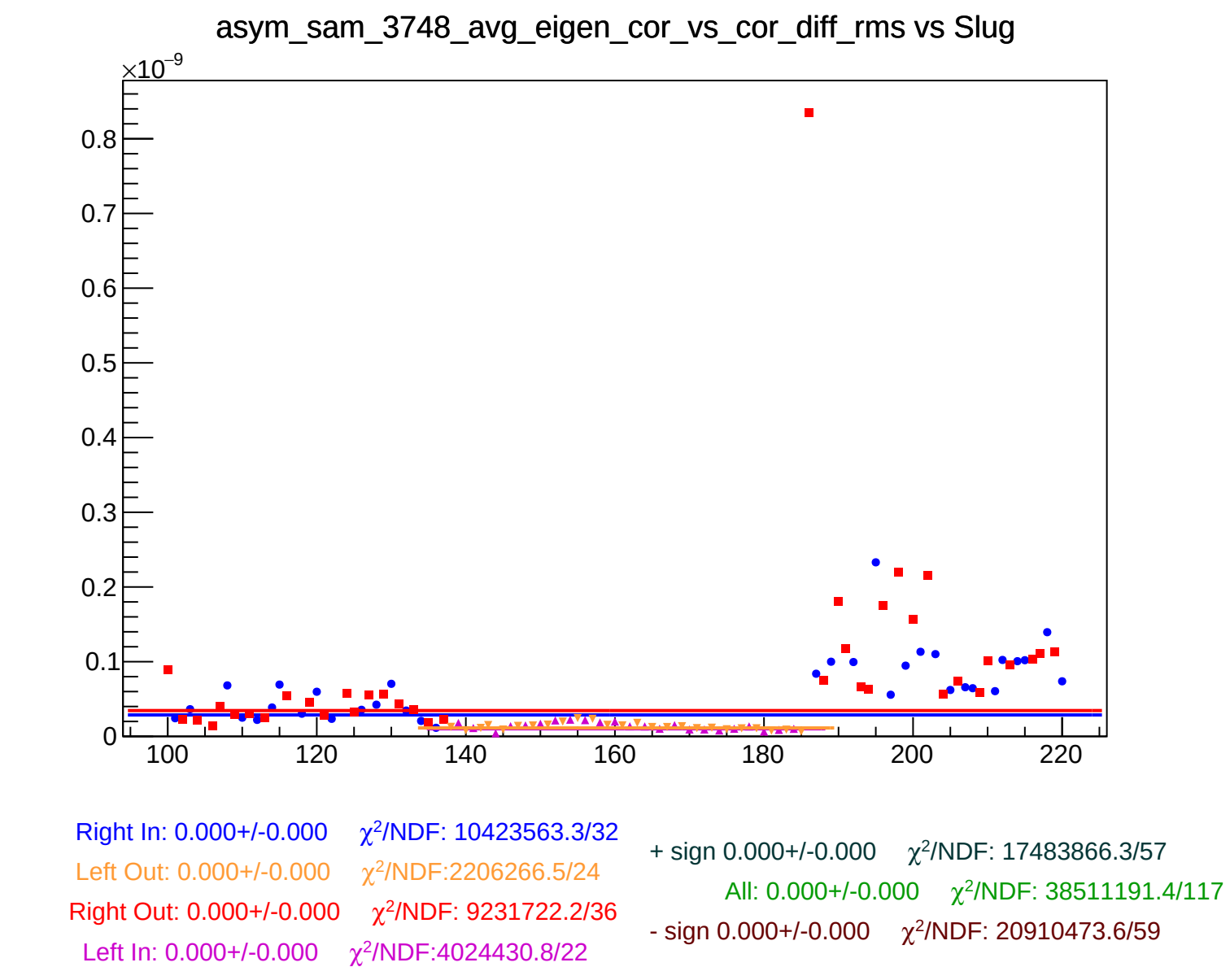
Right Out: -0.000+/-0.000 χ^2/NDF: 47.7/36

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

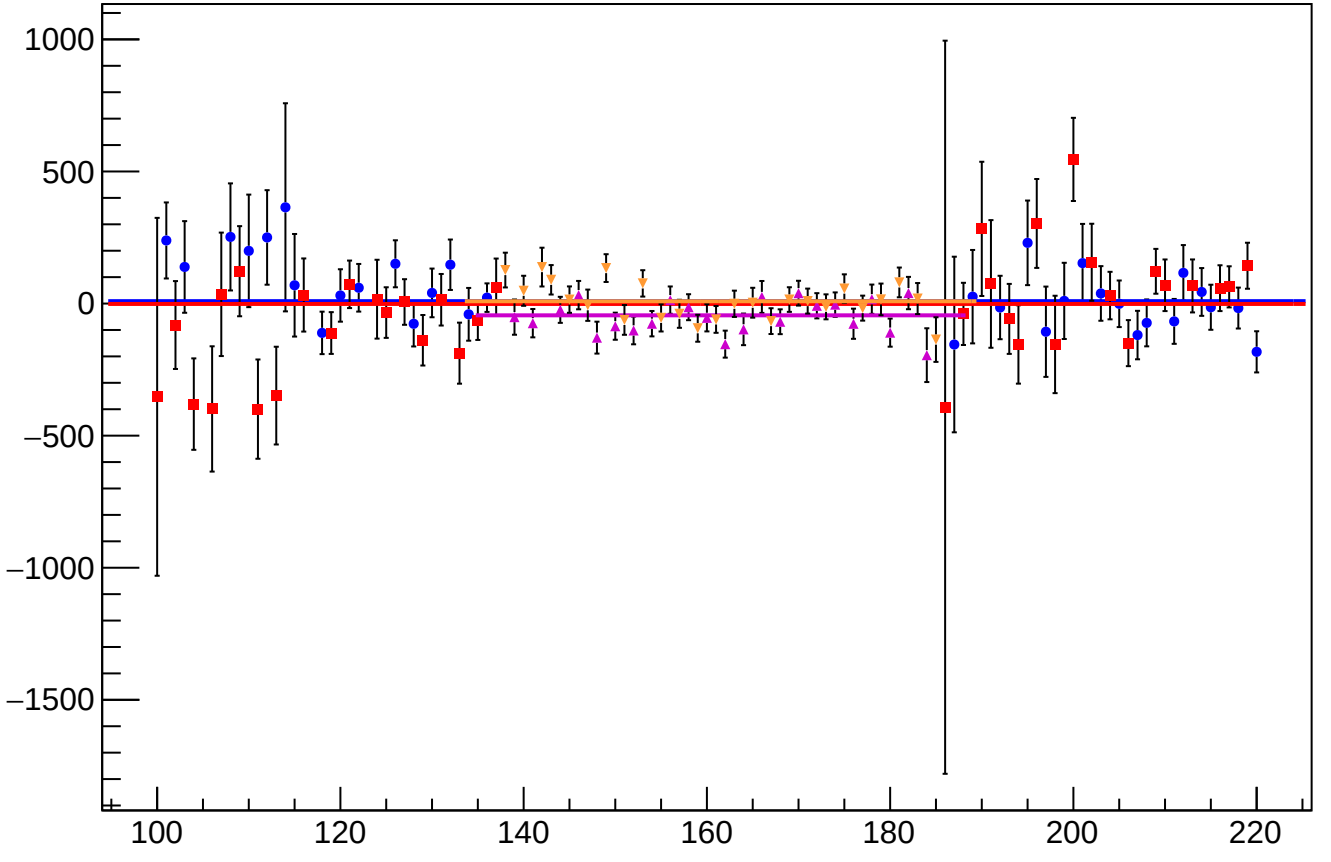
+ sign -0.000+/-0.000 χ^2/NDF: 84.4/57

All: -0.000+/-0.000 χ^2/NDF: 169.1/117

- sign -0.000+/-0.000 χ^2/NDF: 82.0/59


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
220
Right In: 0.000+/-0.000 χ²/NDF: 10423563.3/32
Left Out: 0.000+/-0.000 χ²/NDF:2206266.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 9231722.2/36
Left In: 0.000+/-0.000 χ²/NDF:4024430.8/22
+ sign 0.000+/-0.000 χ²/NDF: 17483866.3/57
All: 0.000+/-0.000 χ²/NDF: 38511191.4/117
- sign 0.000+/-0.000 χ²/NDF: 20910473.6/59

reg_asym_sam_1526_avg_mean vs Slug



Right In: 9.094+/-18.050 χ^2/NDF: 31.4/32

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -1.447+/-18.998 χ^2/NDF: 55.3/36

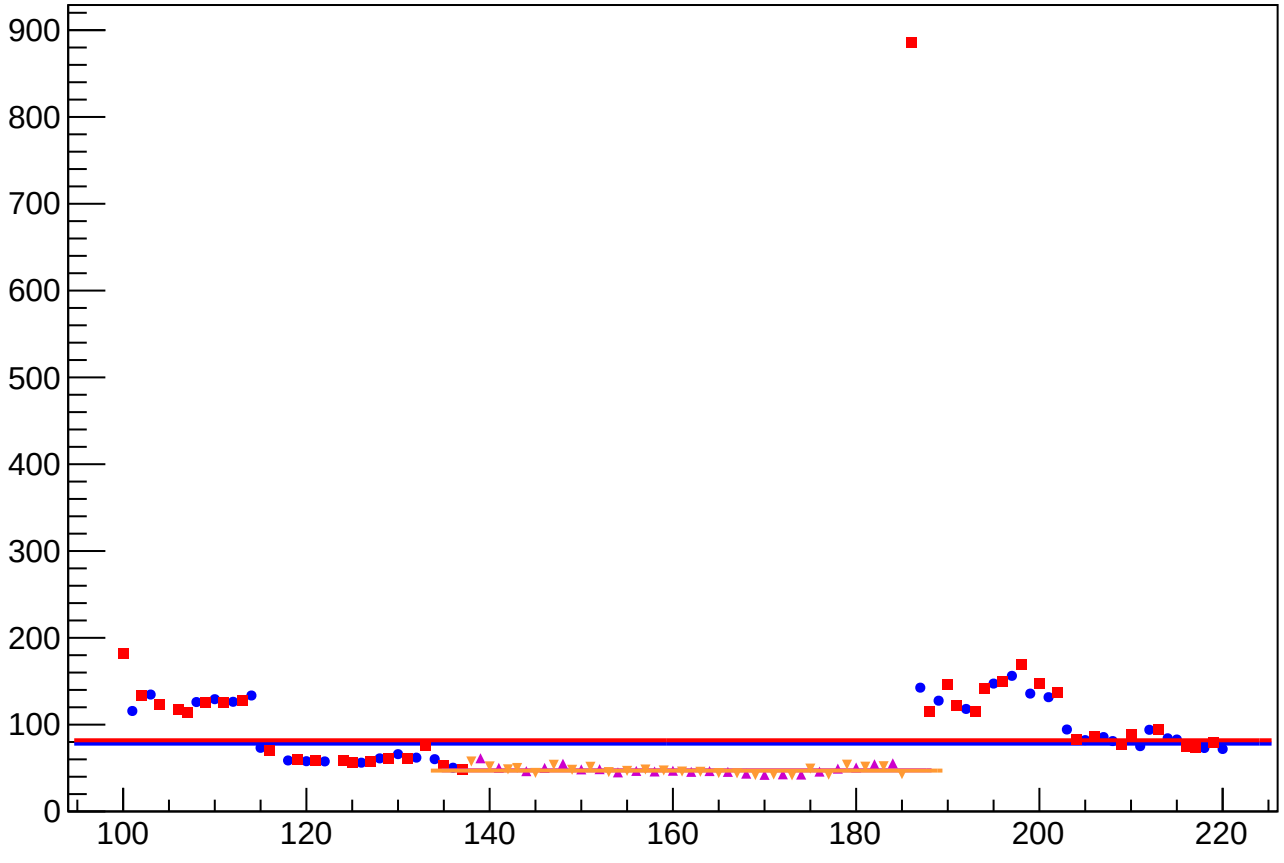
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 8.845+/-9.248 χ^2/NDF: 66.1/57

All: -11.506+/-6.666 χ^2/NDF: 162.3/117

- sign -33.502+/-9.615 χ^2/NDF: 86.1/59

reg_asym_sam_1526_avg_rms vs Slug



Right In: 78.123+/-0.013 χ^2/NDF: 3926072.0/32

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

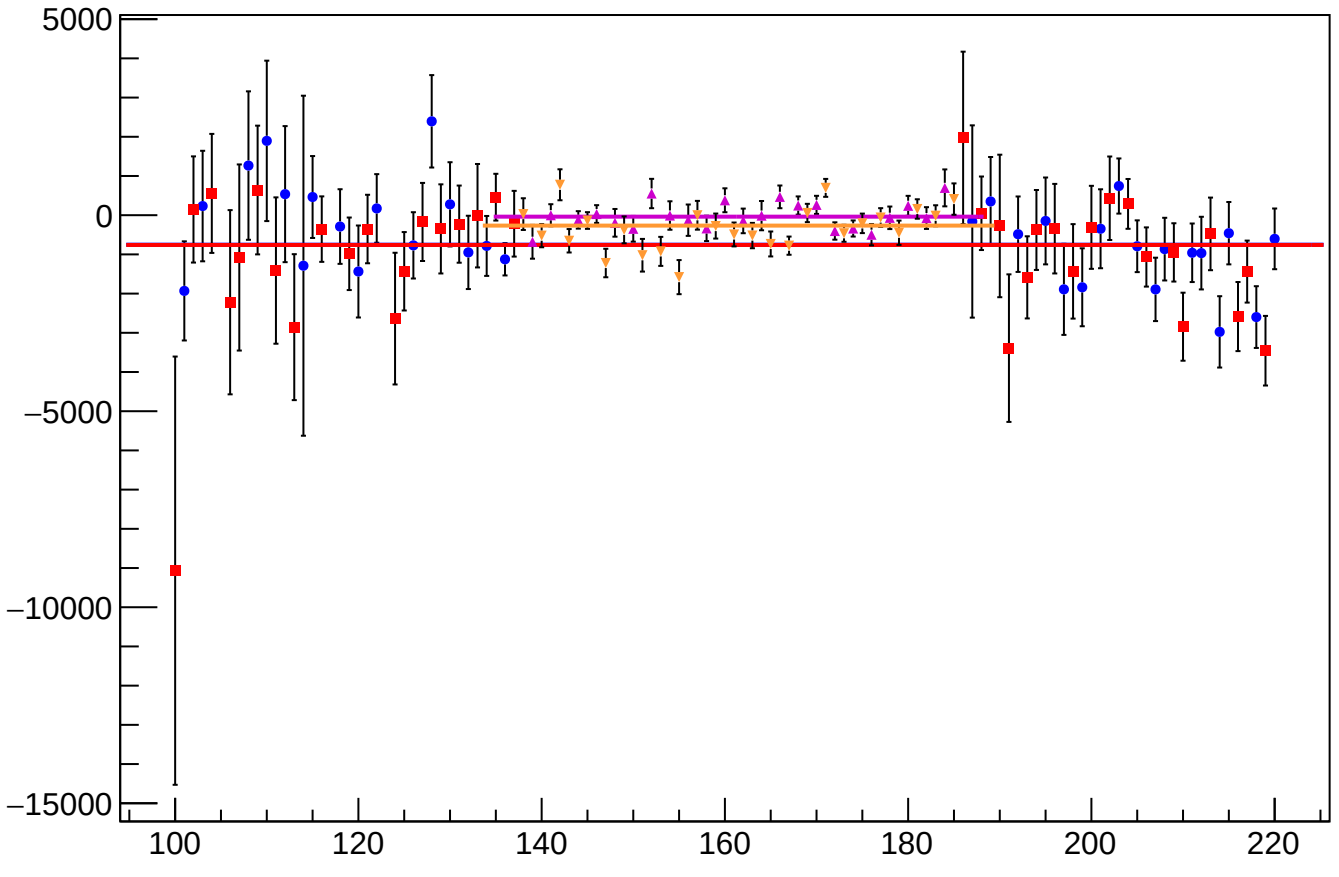
Right Out: 81.989+/-0.013 χ^2/NDF: 5072428.3/36

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 55.218+/-0.007 χ^2/NDF: 8580762.6/57

All: 55.713+/-0.005 χ^2/NDF: 18872373.0/117

- sign 56.248+/-0.007 χ^2/NDF: 10279689.7/59



Right In: -752.679+/-158.453 χ^2/NDF: 38.7/32

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -759.249+/-169.195 χ^2/NDF: 44.0/36

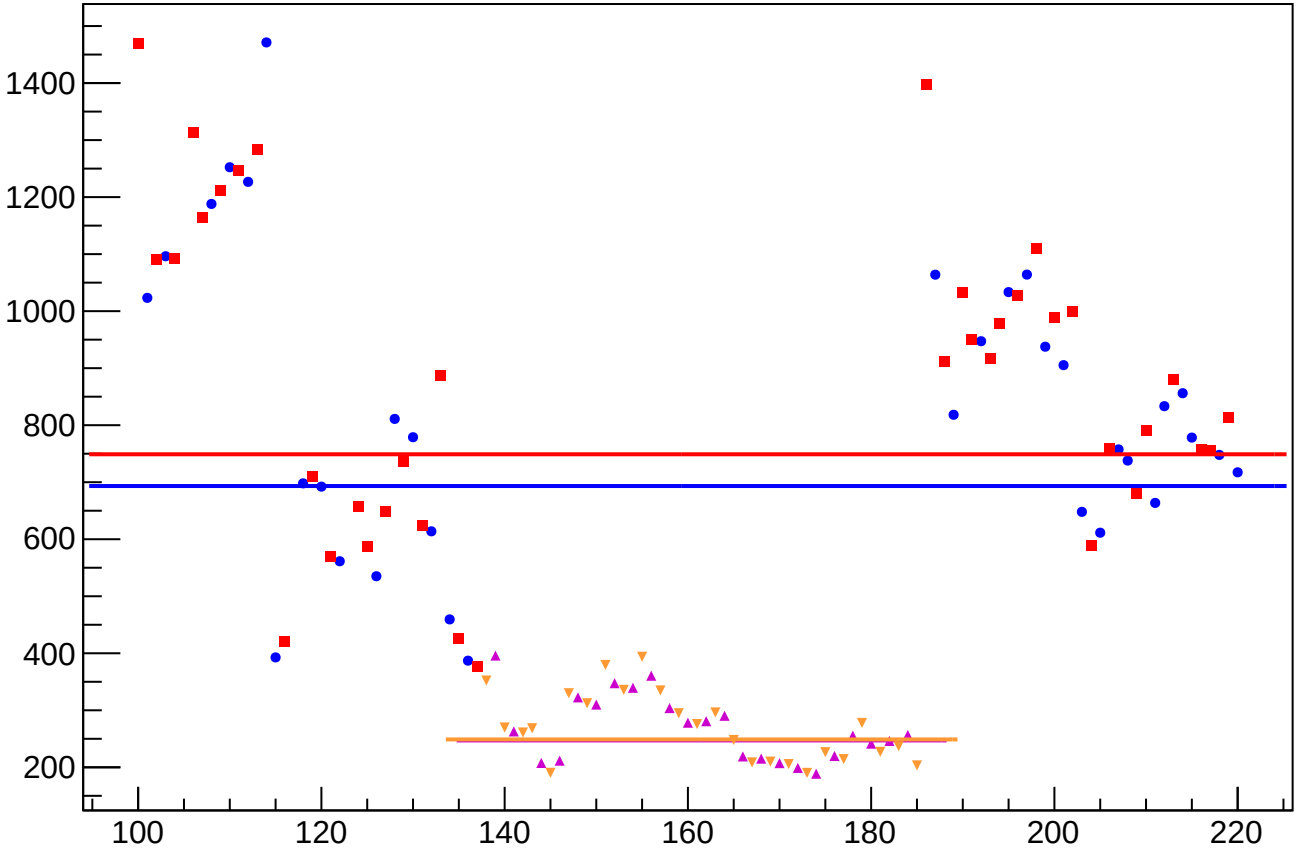
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -323.279+/-54.492 χ^2/NDF: 116.8/57

All: -222.254+/-39.001 χ^2/NDF: 210.7/117

- sign -116.152+/-55.844 χ^2/NDF: 86.8/59

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 693.295+/-0.112 χ^2/NDF: 3474562.4/32

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 748.997+/-0.120 χ^2/NDF: 3588043.1/36

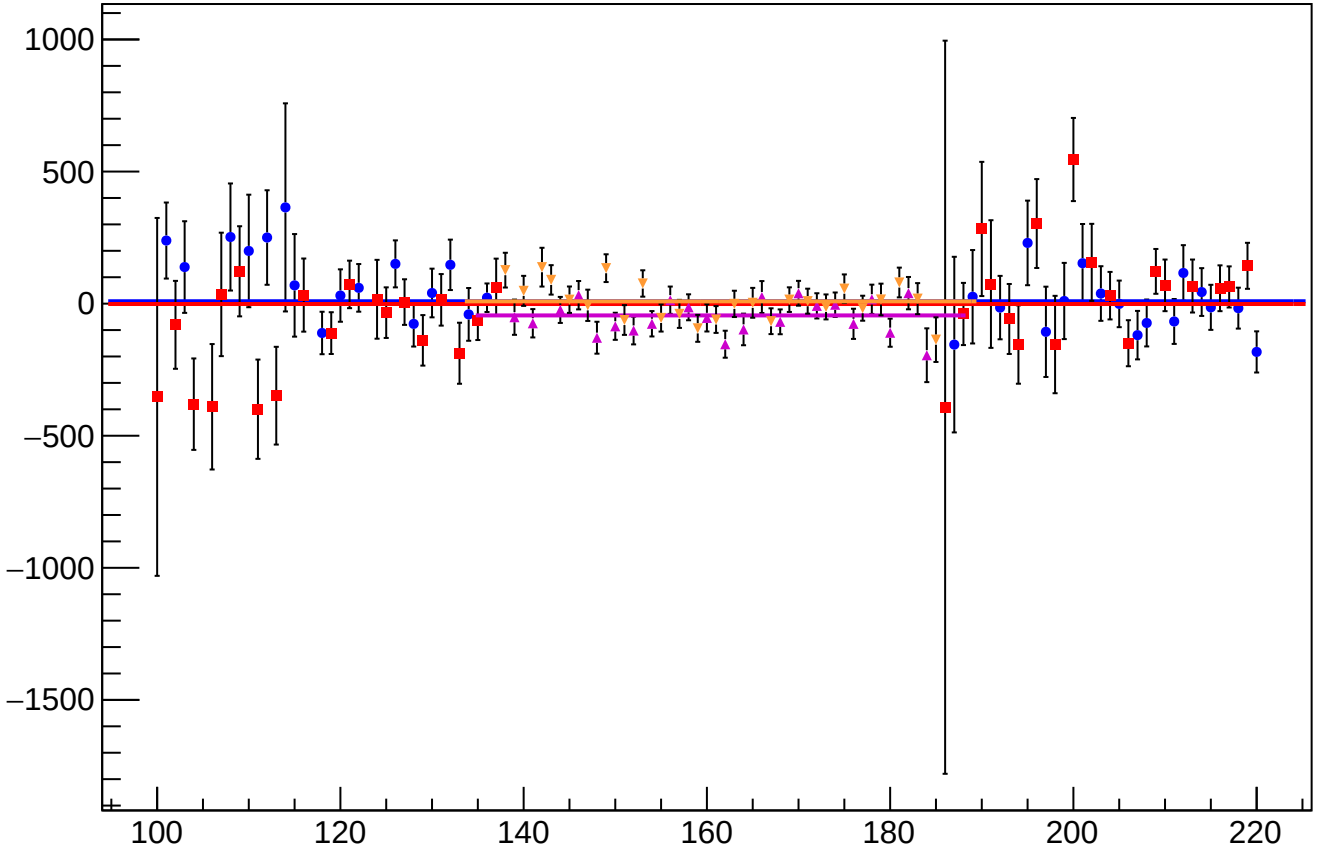
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 301.449+/-0.039 χ^2/NDF: 19009710.9/57

All: 301.612+/-0.028 χ^2/NDF: 39763344.4/11

- sign 301.784+/-0.039 χ^2/NDF: 20753596.5/59

cor_asym_sam_1526_avg_mean vs Slug



Right In: 9.089+/-18.050 χ^2/NDF: 31.4/32

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -1.372+/-18.998 χ^2/NDF: 55.2/36

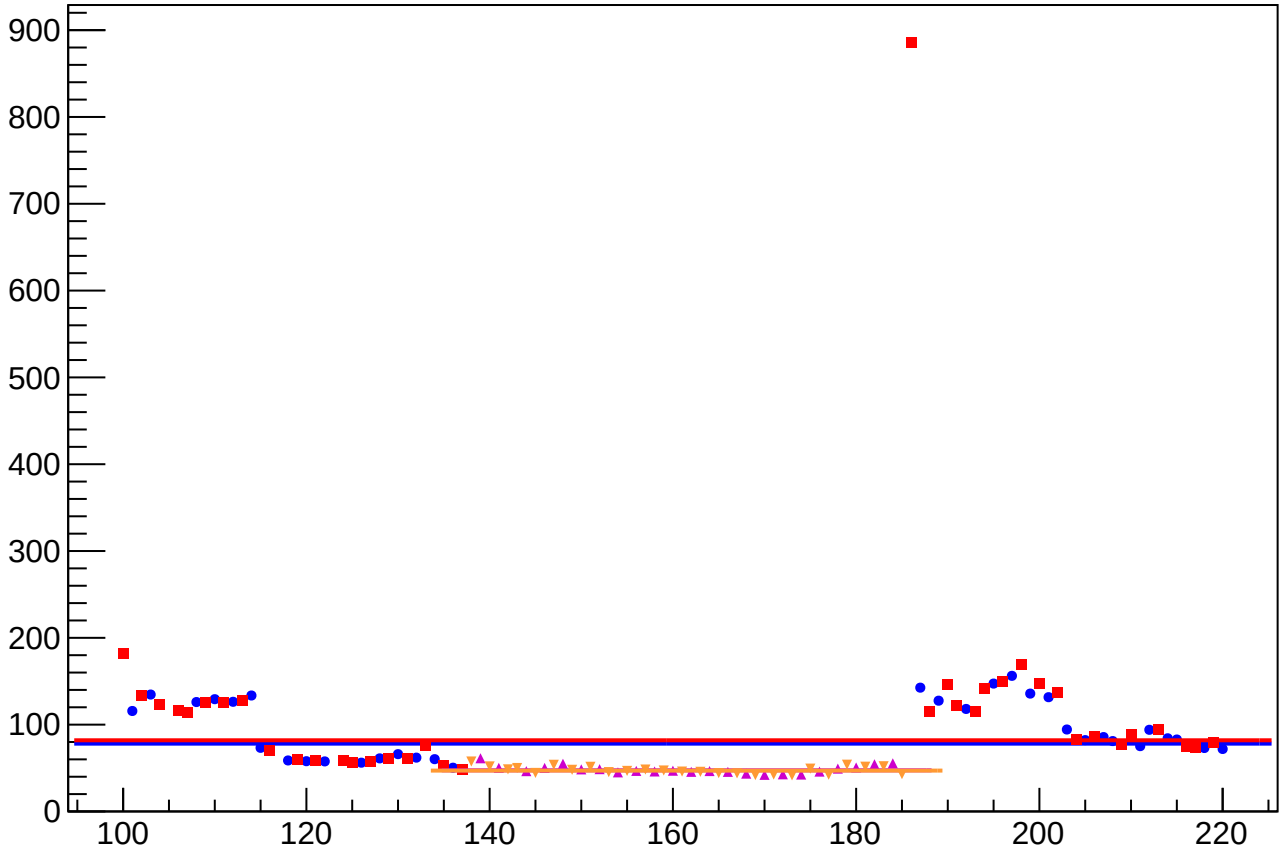
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 8.845+/-9.248 χ^2/NDF: 66.1/57

All: -11.496+/-6.666 χ^2/NDF: 162.1/117

- sign -33.482+/-9.615 χ^2/NDF: 86.0/59

cor_asym_sam_1526_avg_rms vs Slug



Right In: 78.123+/-0.013 χ^2/NDF: 3926074.3/32

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

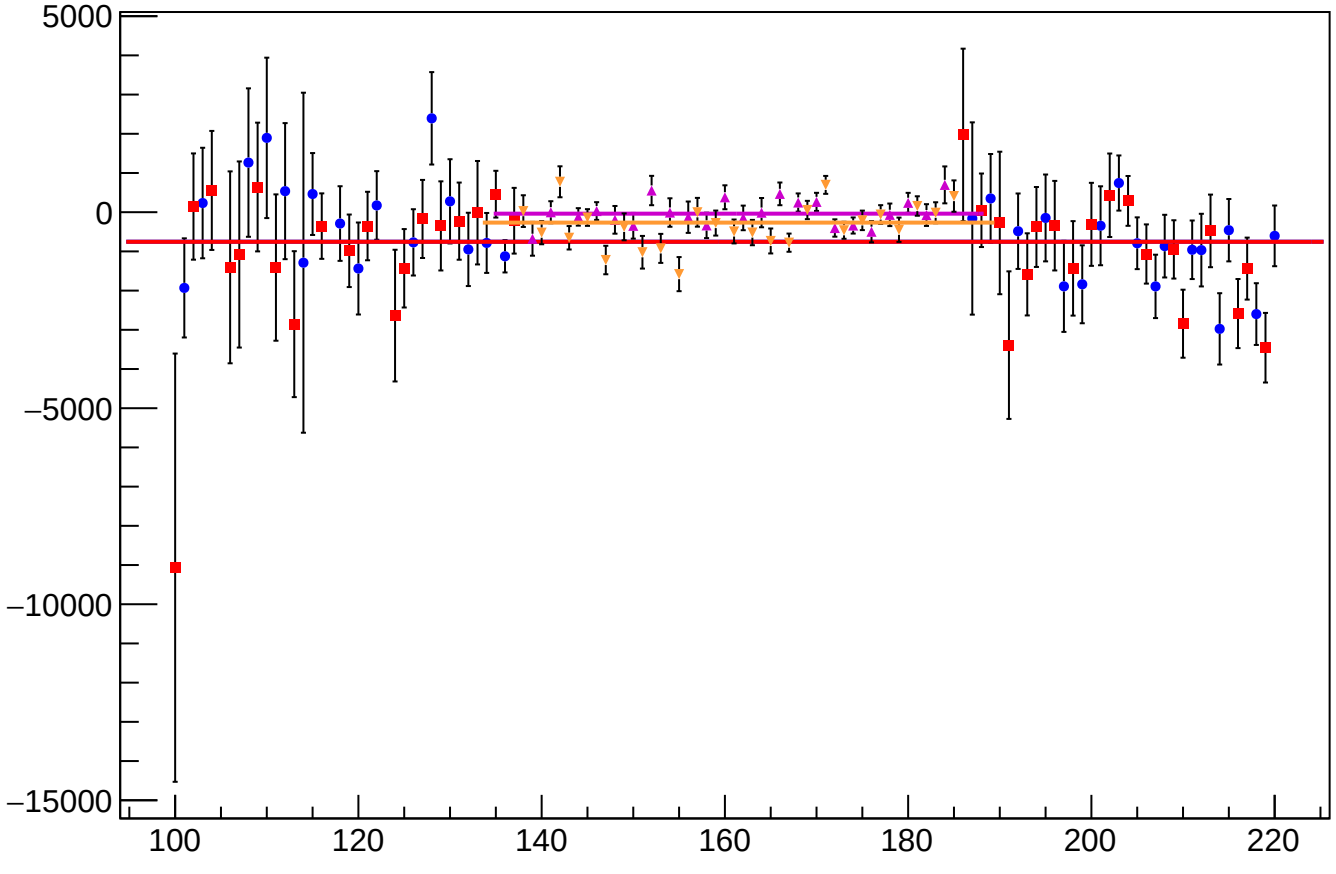
Right Out: 81.982+/-0.013 χ^2/NDF: 5070121.1/36

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 55.218+/-0.007 χ^2/NDF: 8580764.7/57

All: 55.712+/-0.005 χ^2/NDF: 18867974.7/117

- sign 56.246+/-0.007 χ^2/NDF: 10275334.0/59



Right In: -752.674+/-158.453 χ^2/NDF: 38.7/32

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -754.821+/-169.231 χ^2/NDF: 43.6/36

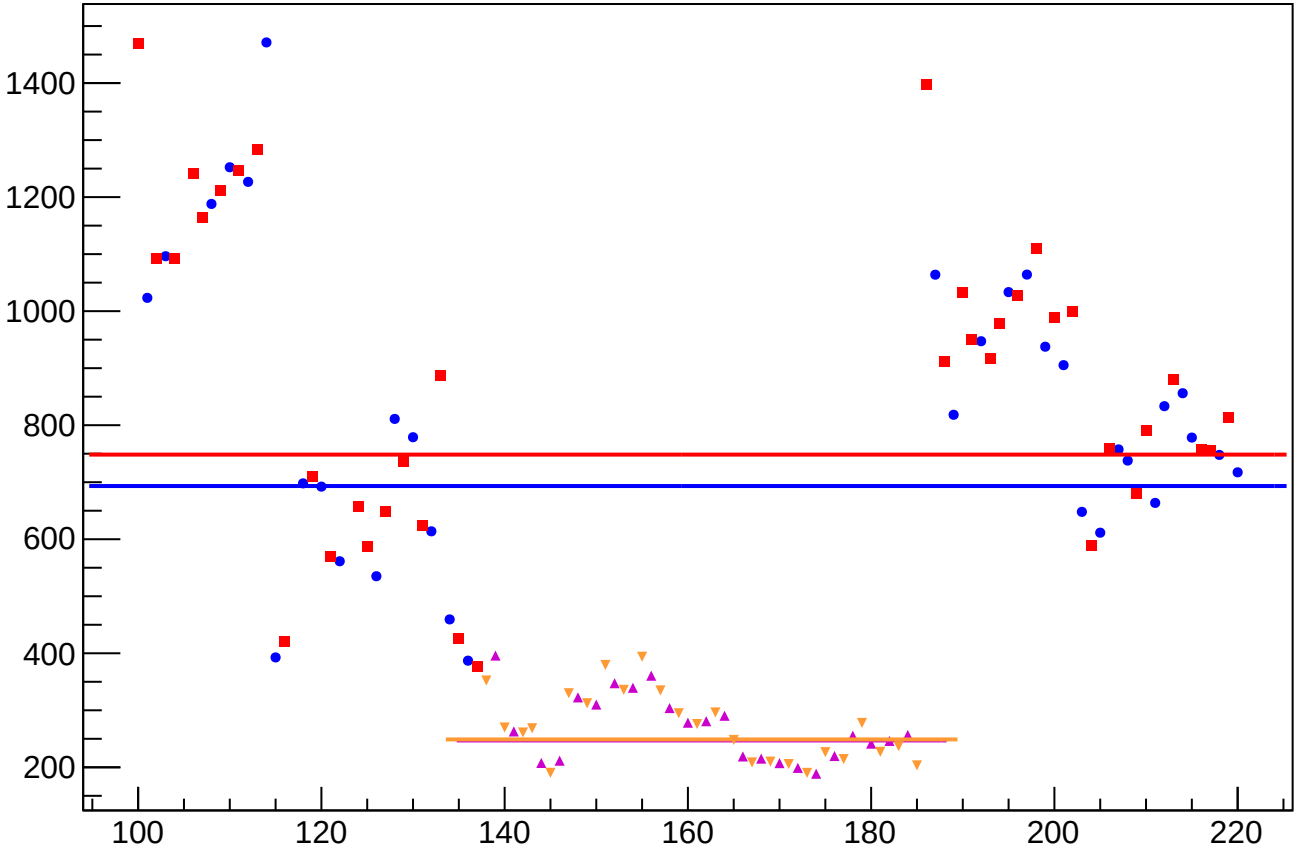
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -323.274+/-54.492 χ^2/NDF: 116.8/57

All: -222.003+/-39.001 χ^2/NDF: 210.2/117

- sign -115.637+/-55.846 χ^2/NDF: 86.3/59

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 693.295+/-0.112 χ^2/NDF: 3474602.4/32

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 748.428+/-0.120 χ^2/NDF: 3553984.8/36

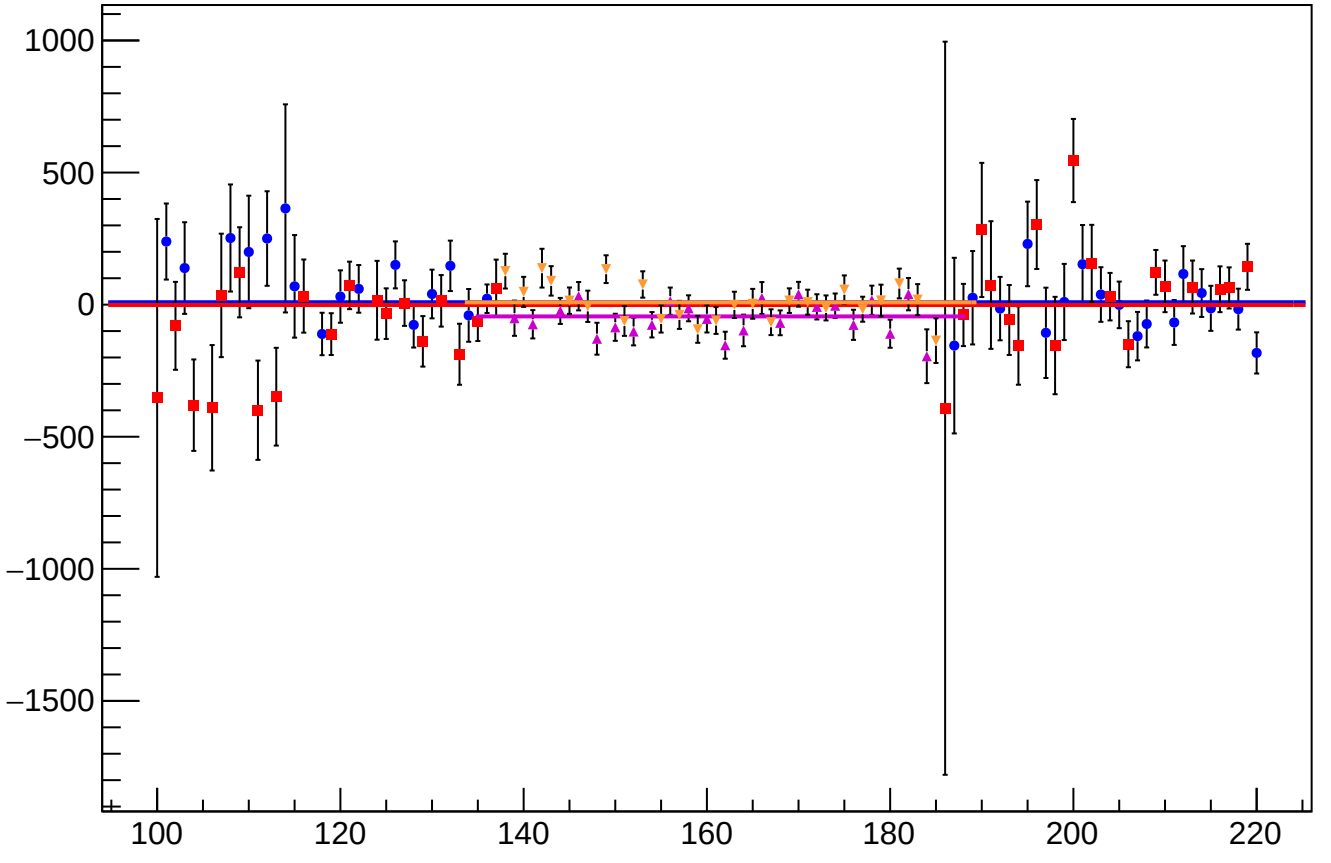
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 301.448+/-0.039 χ^2/NDF: 19009757.8/57

All: 301.572+/-0.028 χ^2/NDF: 39687750.5/11

- sign 301.701+/-0.039 χ^2/NDF: 20677971.7/59

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 9.089+/-18.050 χ^2/NDF: 31.4/32

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -1.372+/-18.998 χ^2/NDF: 55.2/36

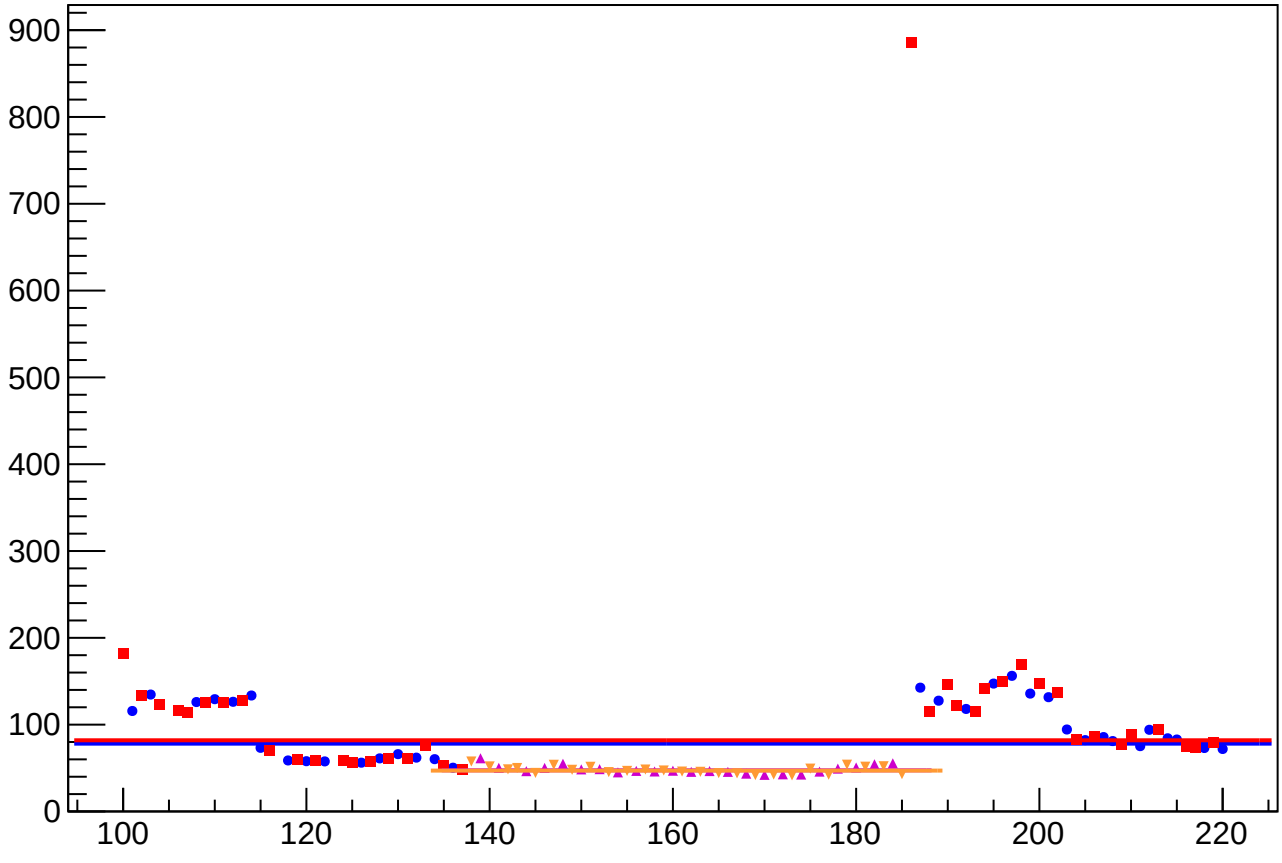
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 8.845+/-9.248 χ^2/NDF: 66.1/57

All: -11.496+/-6.666 χ^2/NDF: 162.1/117

- sign -33.482+/-9.615 χ^2/NDF: 86.0/59

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 78.123+/-0.013 χ^2/NDF: 3926074.3/32

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

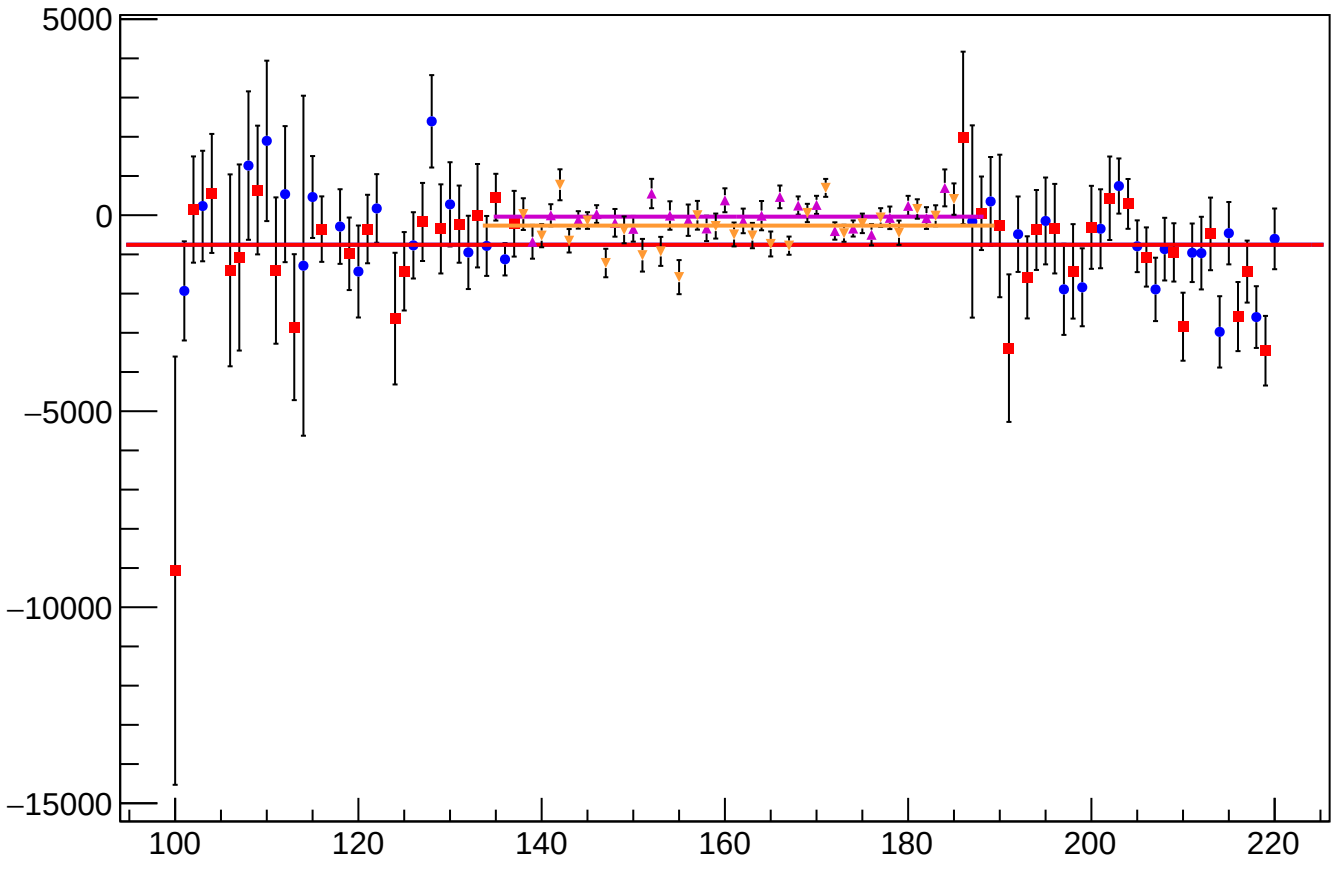
Right Out: 81.982+/-0.013 χ^2/NDF: 5070121.1/36

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 55.218+/-0.007 χ^2/NDF: 8580764.7/57

All: 55.712+/-0.005 χ^2/NDF: 18867974.7/117

- sign 56.246+/-0.007 χ^2/NDF: 10275334.0/59



Right In: -752.674+/-158.453 χ^2/NDF: 38.7/32

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

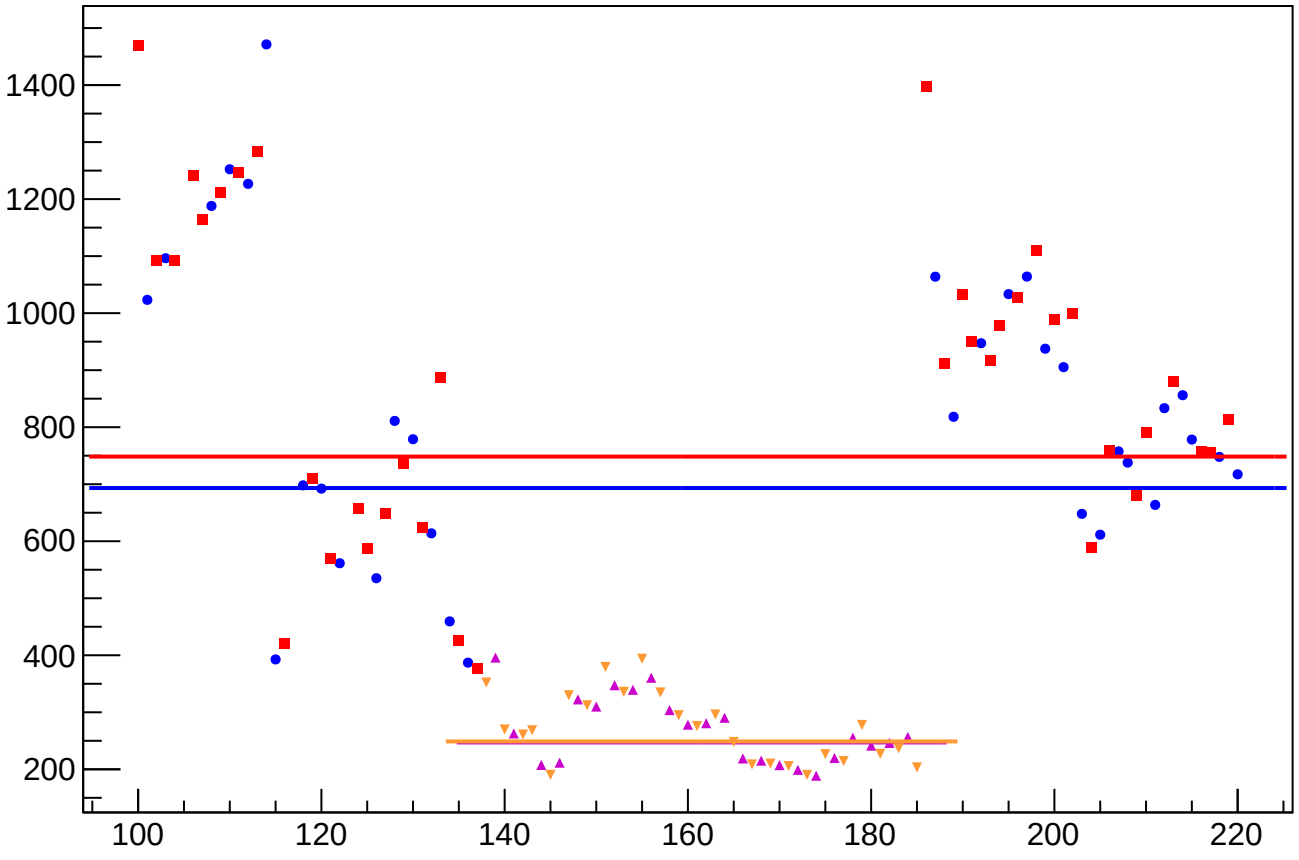
Right Out: -754.821+/-169.231 χ^2/NDF: 43.6/36

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -323.274+/-54.492 χ^2/NDF: 116.8/57

All: -222.003+/-39.001 χ^2/NDF: 210.2/117

- sign -115.637+/-55.846 χ^2/NDF: 86.3/59



Right In: 693.295+/-0.112 χ^2/NDF: 3474602.4/32

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 748.428+/-0.120 χ^2/NDF: 3553984.8/36

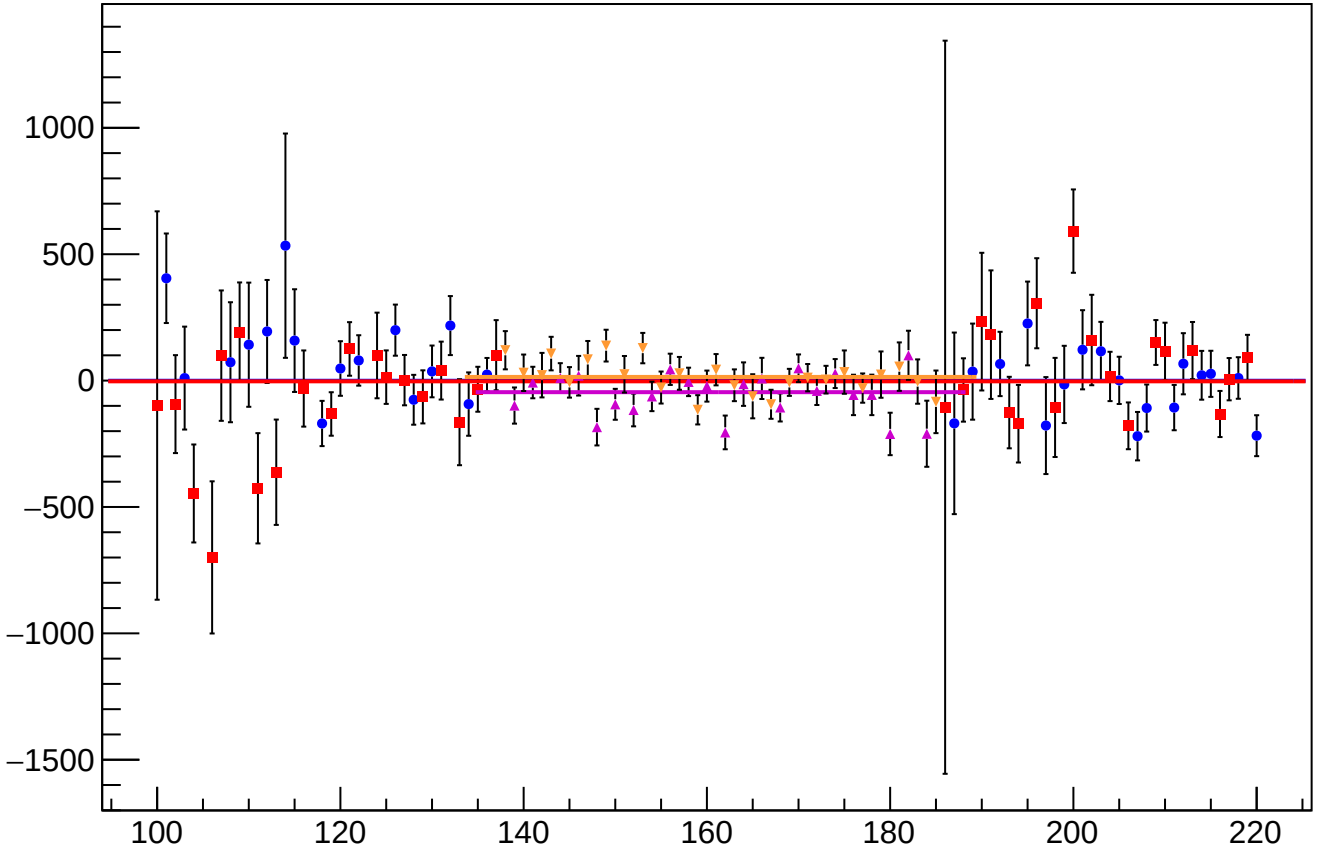
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 301.448+/-0.039 χ^2/NDF: 19009757.8/57

All: 301.572+/-0.028 χ^2/NDF: 39687750.5/11

- sign 301.701+/-0.039 χ^2/NDF: 20677971.7/59

dit_asym_sam_1526_avg_mean vs Slug



Right In: -0.672+/-20.018 χ^2/NDF: 42.4/32

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -2.903+/-21.213 χ^2/NDF: 57.3/36

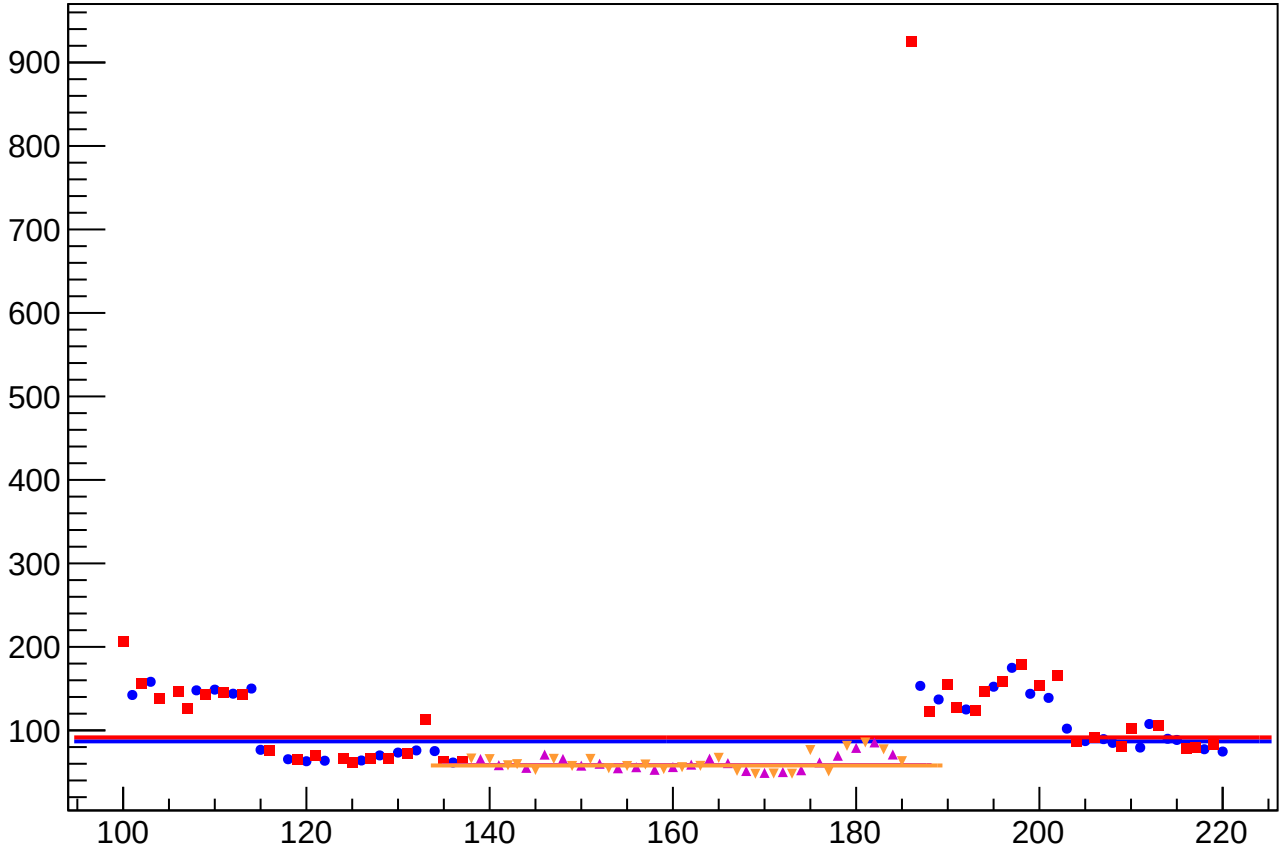
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 9.778+/-11.166 χ^2/NDF: 67.3/57

All: -10.657+/-8.060 χ^2/NDF: 165.2/117

- sign -32.878+/-11.645 χ^2/NDF: 90.9/59

dit_asym_sam_1526_avg_rms vs Slug



Right In: 86.833+/-0.014 χ^2/NDF: 3554874.0/32

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

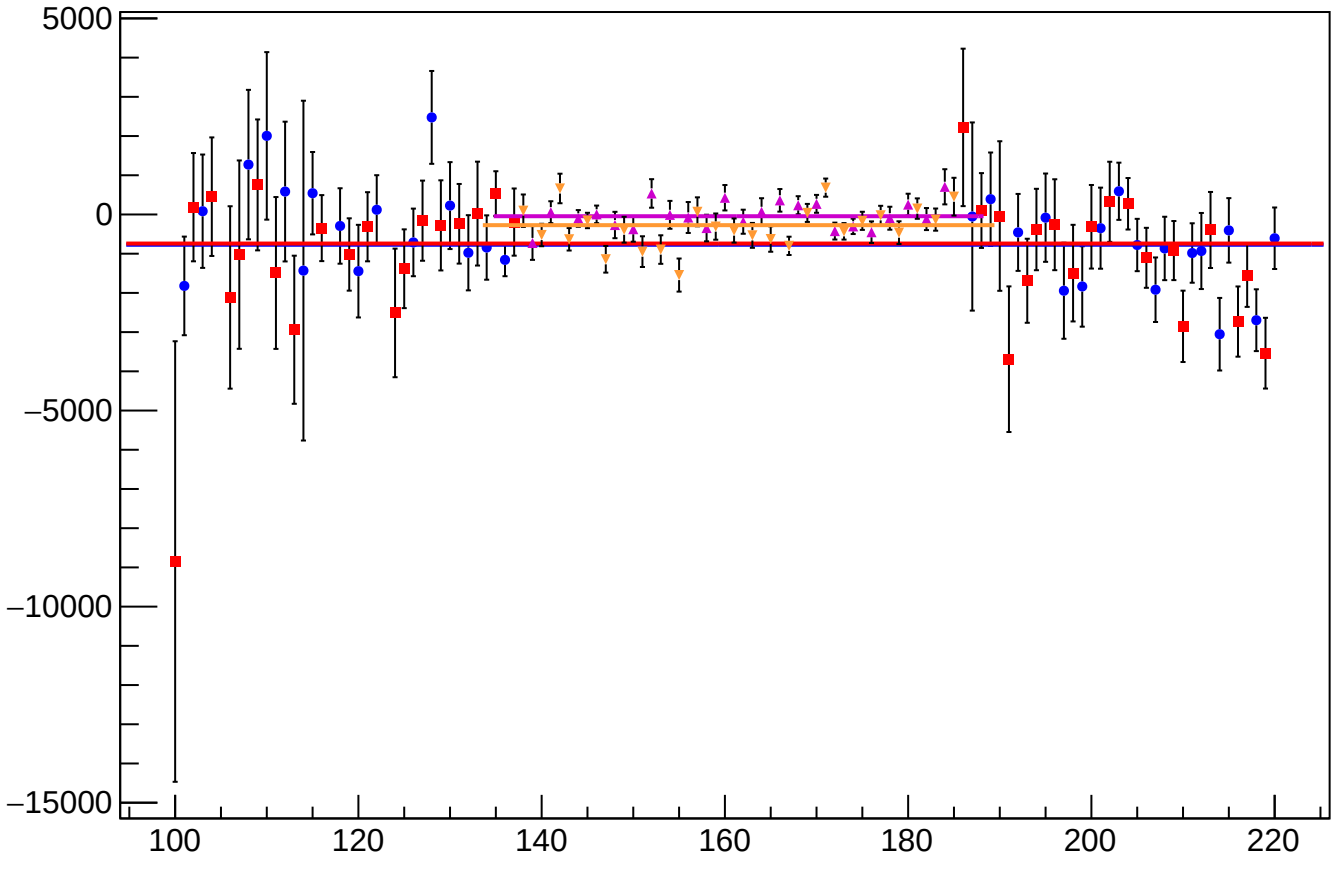
Right Out: 91.596+/-0.015 χ^2/NDF: 4757846.4/36

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 66.948+/-0.008 χ^2/NDF: 7316954.1/57

All: 67.672+/-0.006 χ^2/NDF: 16147843.6/117

- sign 68.458+/-0.008 χ^2/NDF: 8813369.0/59



Right In: -772.401+/-161.686 χ^2/NDF: 38.4/32

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -741.427+/-171.008 χ^2/NDF: 46.4/36

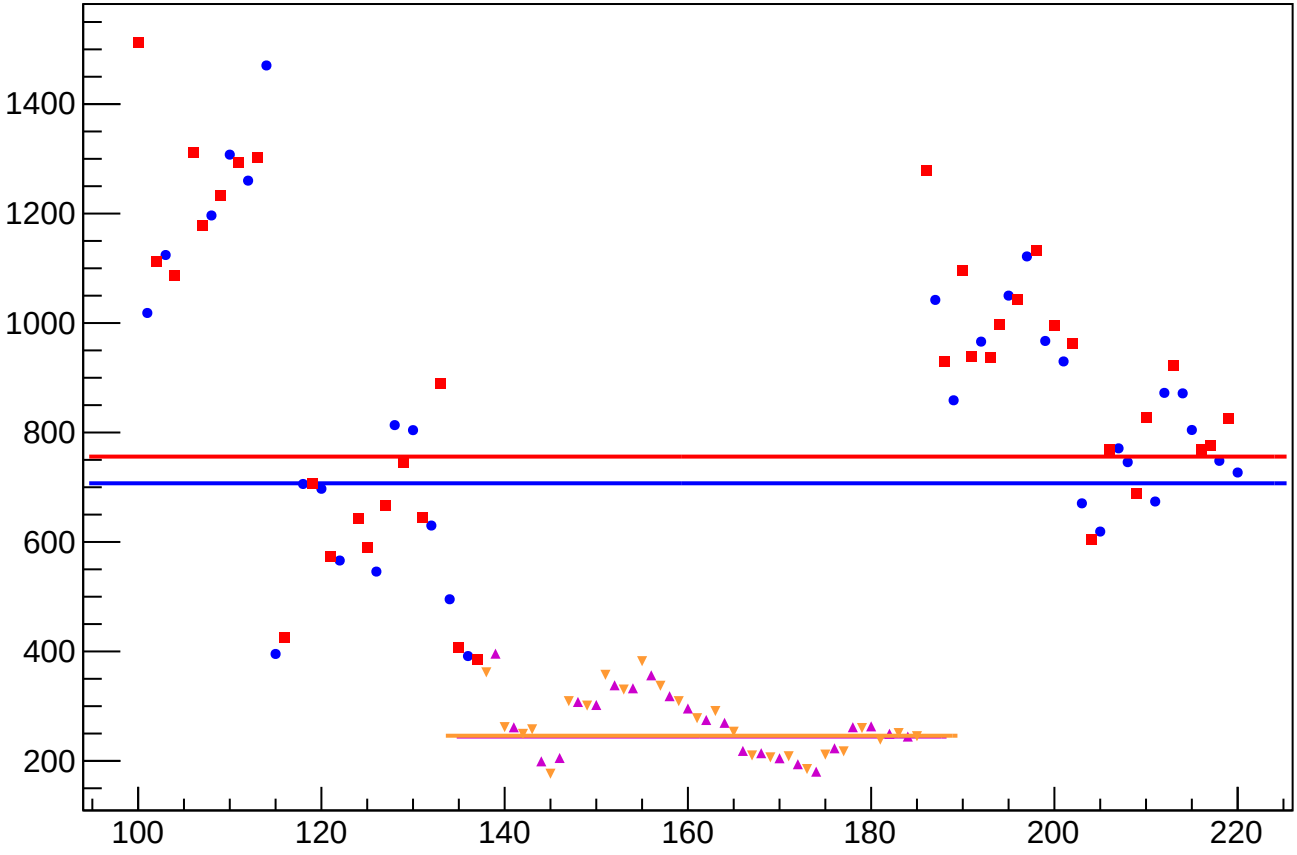
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

+ sign -328.246+/-53.987 χ^2/NDF: 112.7/57

All: -225.839+/-38.681 χ^2/NDF: 207.8/117

- sign -117.816+/-55.448 χ^2/NDF: 87.8/59

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 707.210+/-0.114 χ^2/NDF: 3519900.8/32

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 755.980+/-0.121 χ^2/NDF: 3722352.2/36

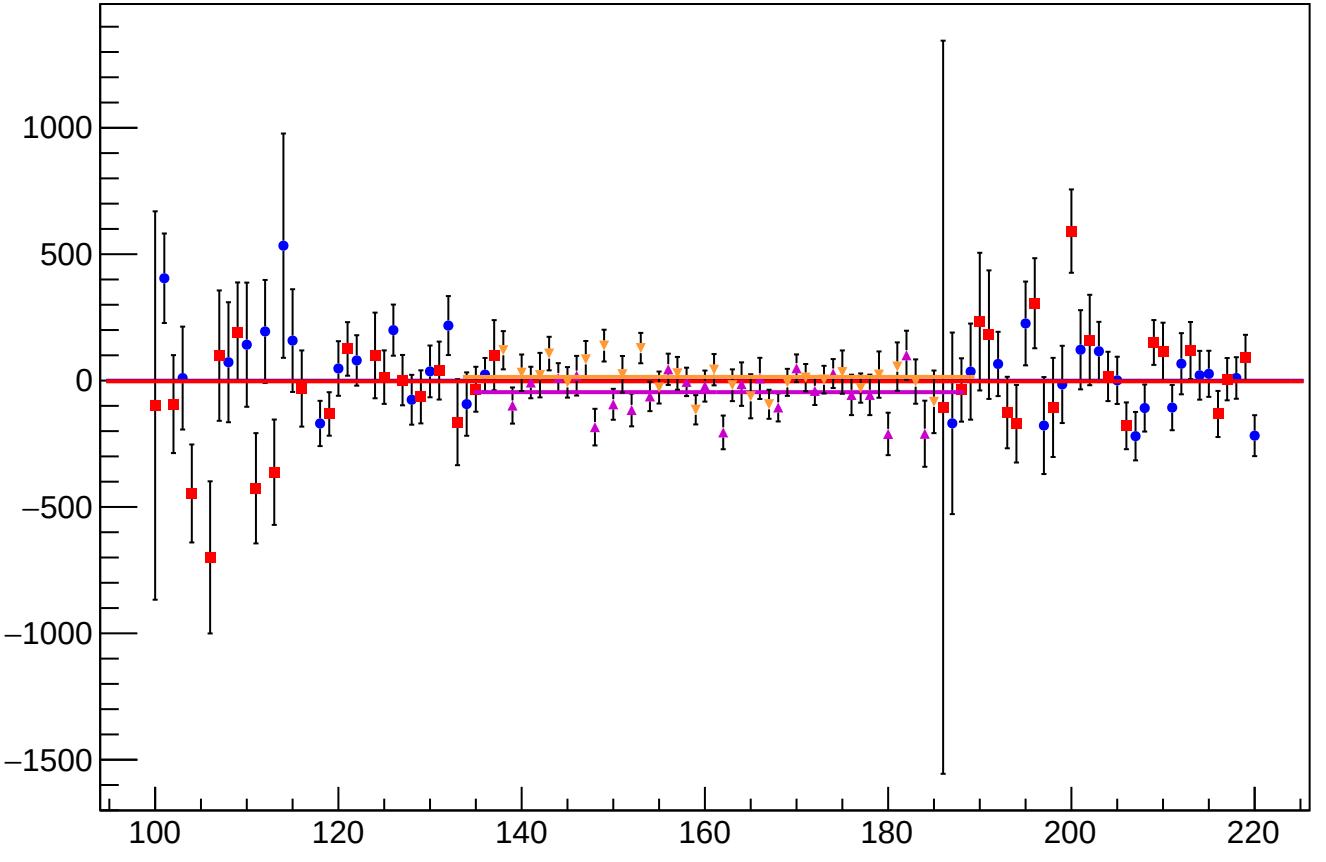
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 297.435+/-0.038 χ^2/NDF: 19658708.3/57

All: 297.821+/-0.027 χ^2/NDF: 40992182.6/11

- sign 298.228+/-0.039 χ^2/NDF: 21333264.5/59

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: -0.670+/-20.018 χ^2/NDF: 42.4/32

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -2.902+/-21.213 χ^2/NDF: 57.3/36

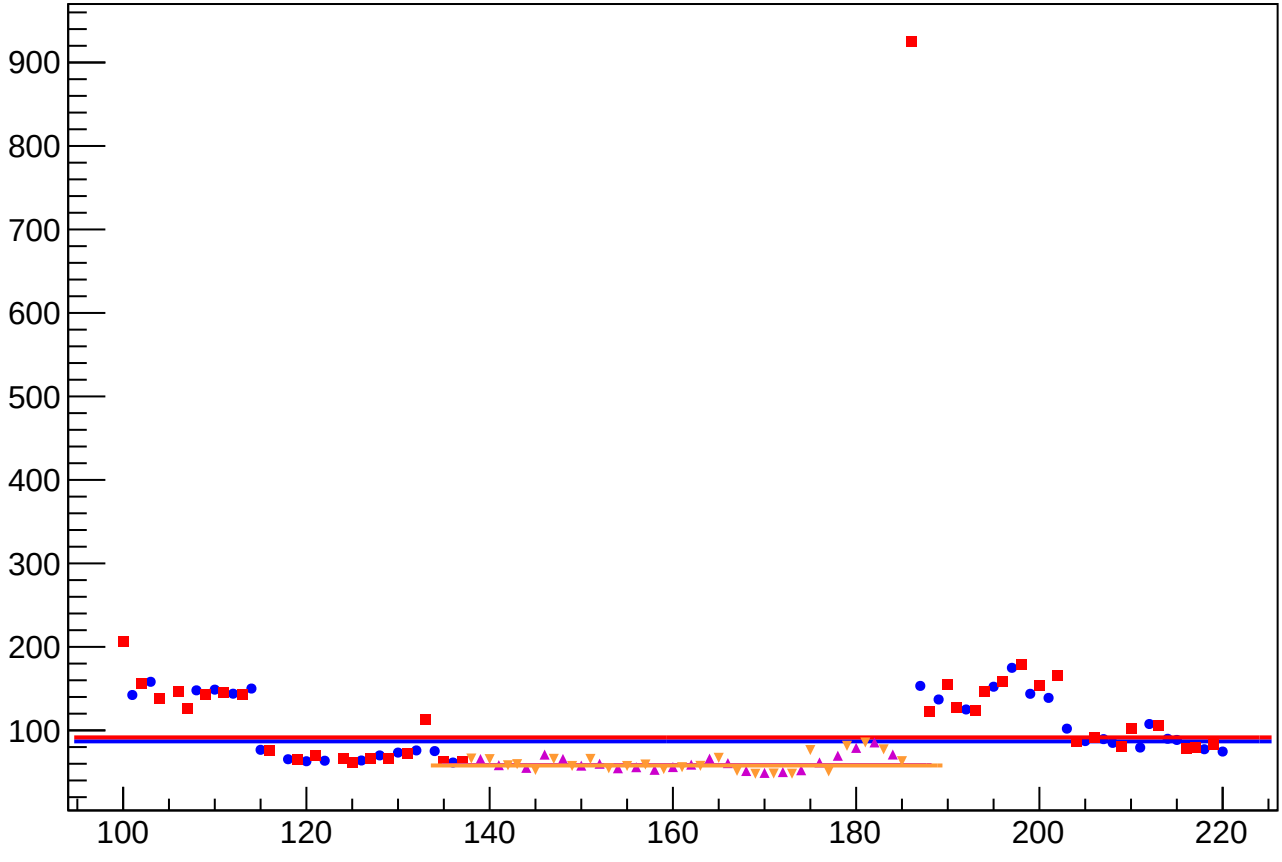
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 9.778+/-11.166 χ^2/NDF: 67.3/57

All: -10.656+/-8.060 χ^2/NDF: 165.2/117

- sign -32.877+/-11.645 χ^2/NDF: 90.9/59

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 86.833+/-0.014 χ^2/NDF: 3554879.0/32

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

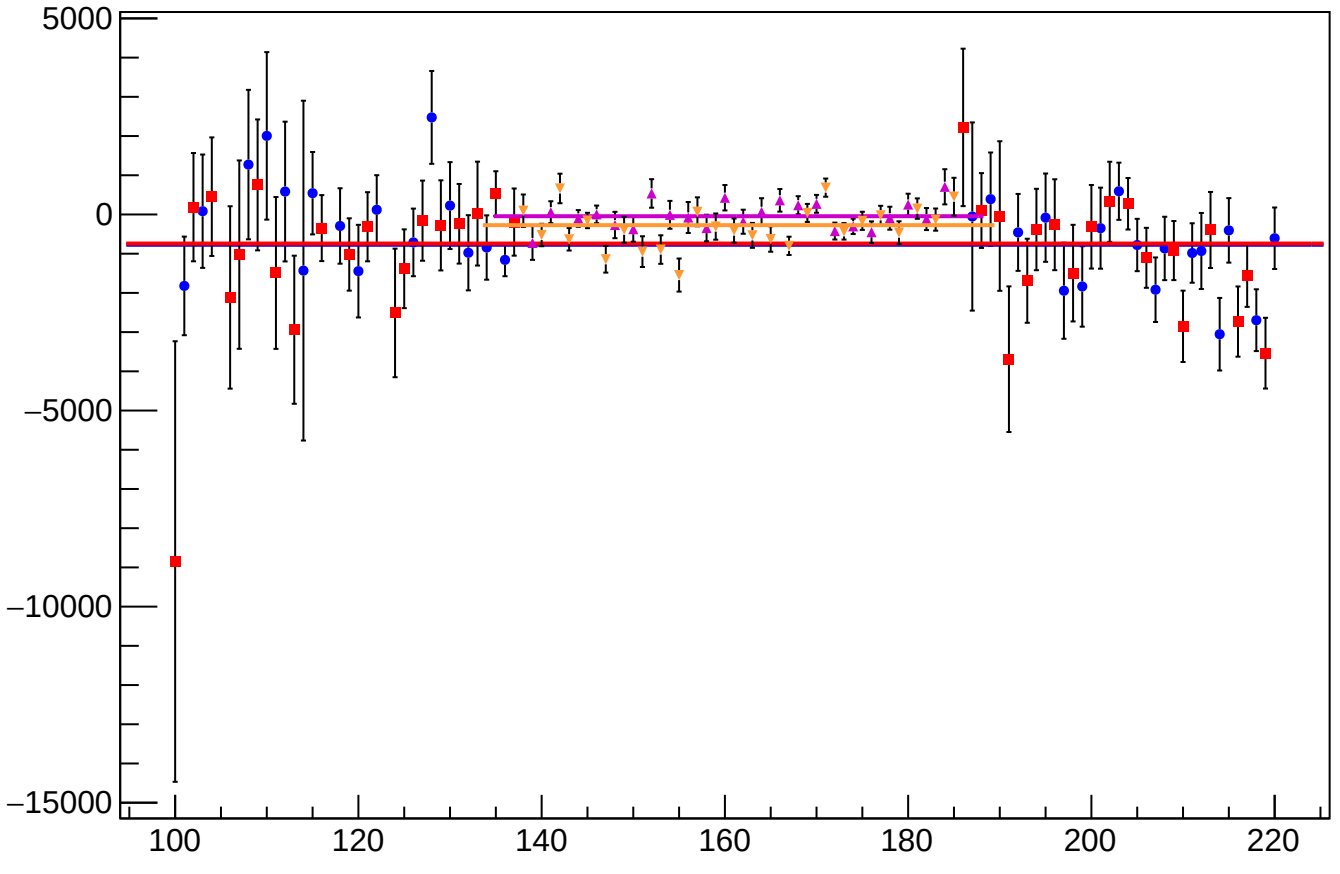
Right Out: 91.596+/-0.015 χ^2/NDF: 4757860.3/36

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 66.948+/-0.008 χ^2/NDF: 7316904.0/57

All: 67.672+/-0.006 χ^2/NDF: 16147717.3/117

- sign 68.458+/-0.008 χ^2/NDF: 8813291.4/59



Right In: -772.399+/-161.685 χ^2/NDF: 38.4/32

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

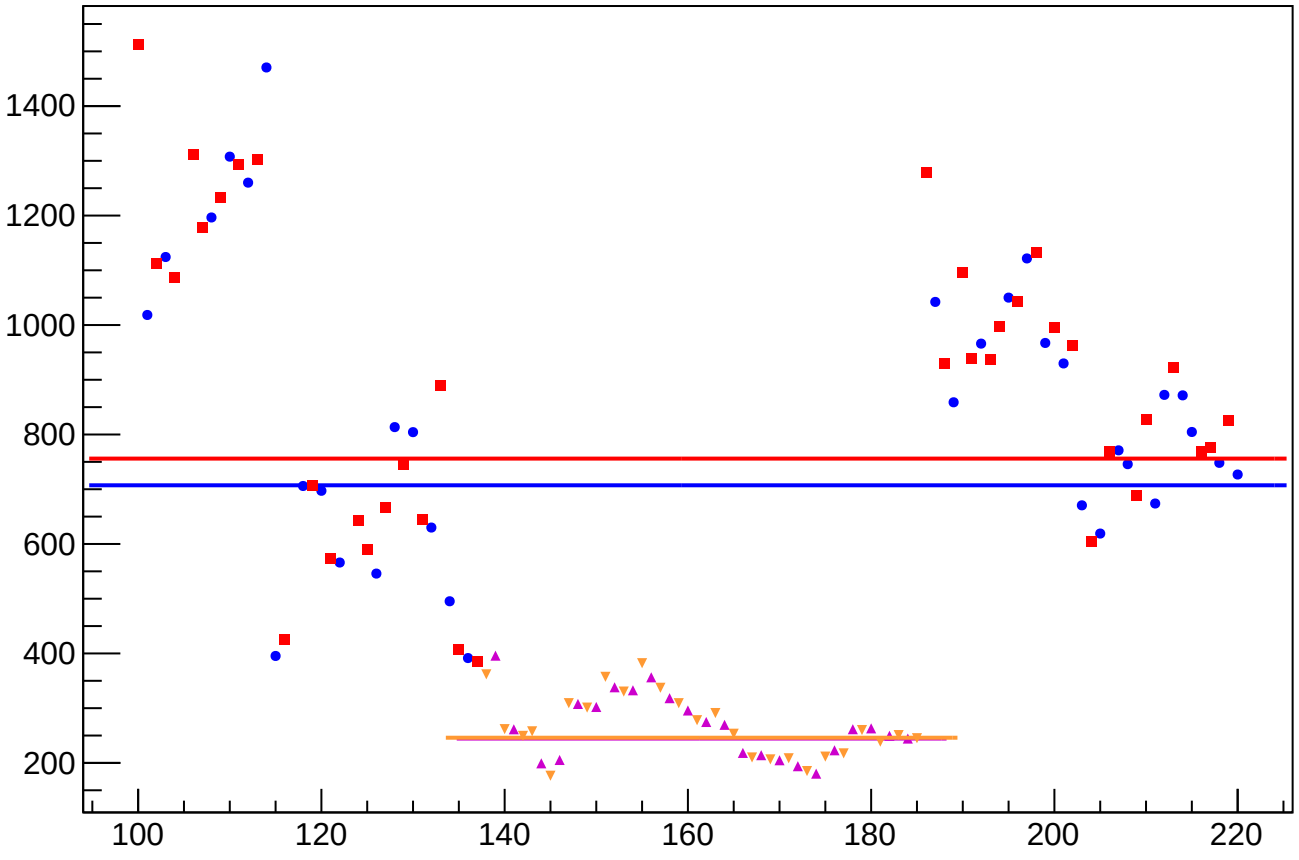
Right Out: -741.427+/-171.008 χ^2/NDF: 46.4/36

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -328.245+/-53.987 χ^2/NDF: 112.7/57

All: -225.838+/-38.681 χ^2/NDF: 207.8/117

- sign -117.816+/-55.448 χ^2/NDF: 87.8/59



Right In: 707.209+/-0.114 χ^2/NDF: 3519883.8/32

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 755.979+/-0.121 χ^2/NDF: 3722331.0/36

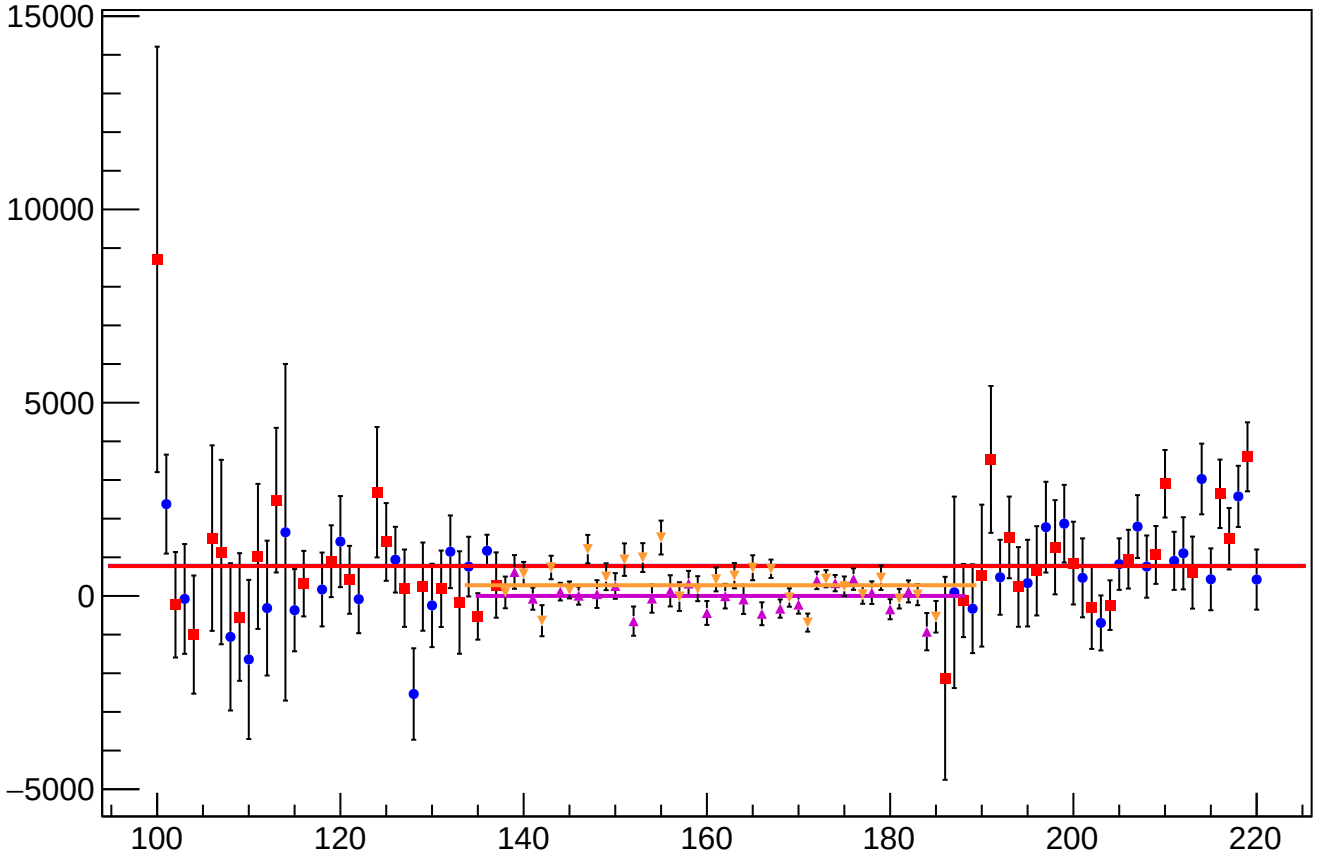
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 297.435+/-0.038 χ^2/NDF: 19658717.1/57

All: 297.820+/-0.027 χ^2/NDF: 40992180.0/11

- sign 298.227+/-0.039 χ^2/NDF: 21333252.9/59

asym_sam_1526_avg_mean vs Slug



Right In: 778.815+/-159.765 χ^2/NDF: 38.2/32

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 772.683+/-170.644 χ^2/NDF: 44.2/36

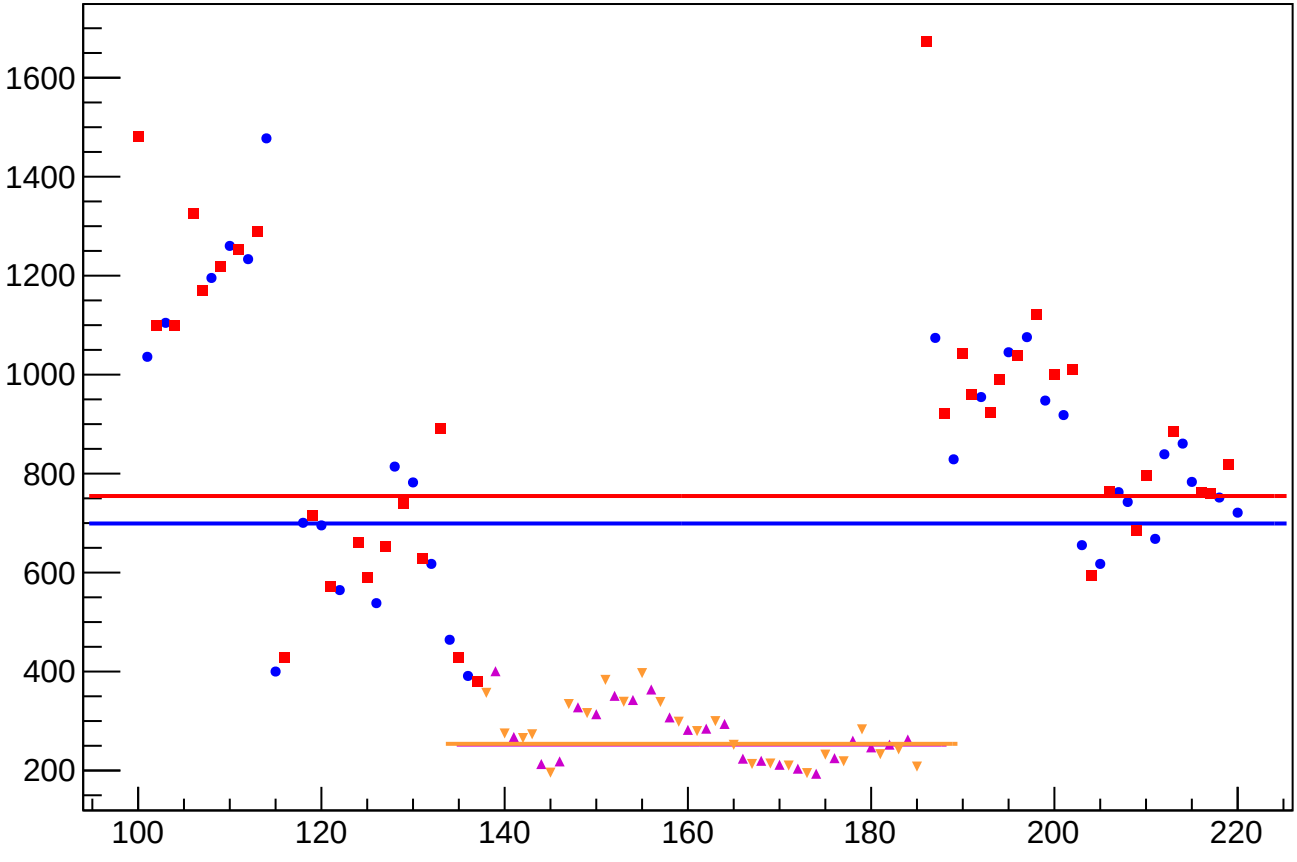
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 337.558+/-55.469 χ^2/NDF: 110.9/57

All: 215.185+/-39.719 χ^2/NDF: 211.5/117

- sign 86.409+/-56.902 χ^2/NDF: 90.6/59

asym_sam_1526_avg_rms vs Slug



Right In: 699.193+/-0.113 χ^2/NDF: 3457943.5/32

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

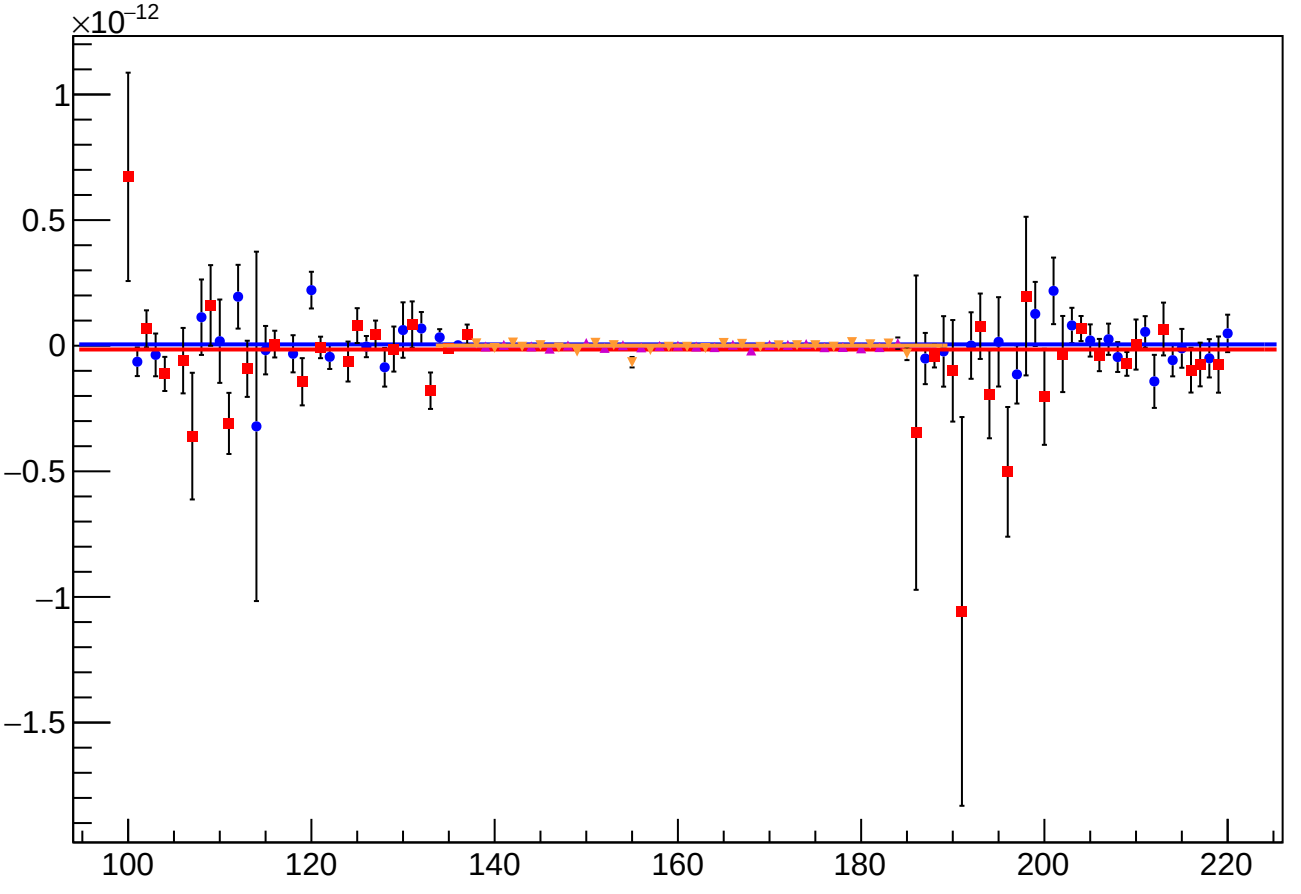
Right Out: 754.713+/-0.121 χ^2/NDF: 3654276.0/36

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 307.624+/-0.039 χ^2/NDF: 18709253.0/57

All: 307.926+/-0.028 χ^2/NDF: 39179487.7/11

- sign 308.244+/-0.040 χ^2/NDF: 20470112.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 29.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

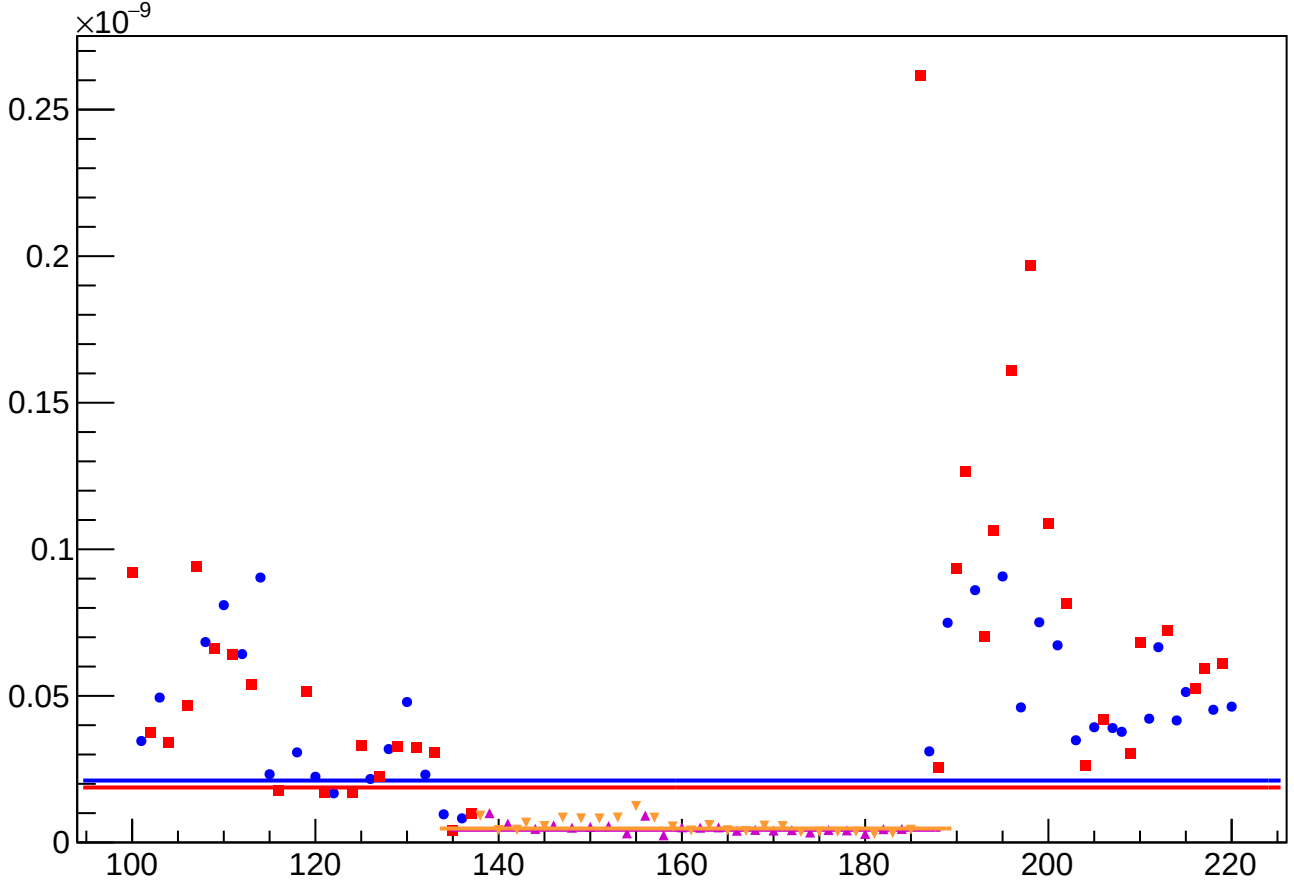
Right Out: -0.000+/-0.000 χ^2/NDF: 45.4/36

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.8/57

All: -0.000+/-0.000 χ^2/NDF: 119.3/117

- sign -0.000+/-0.000 χ^2/NDF: 61.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 7237625.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

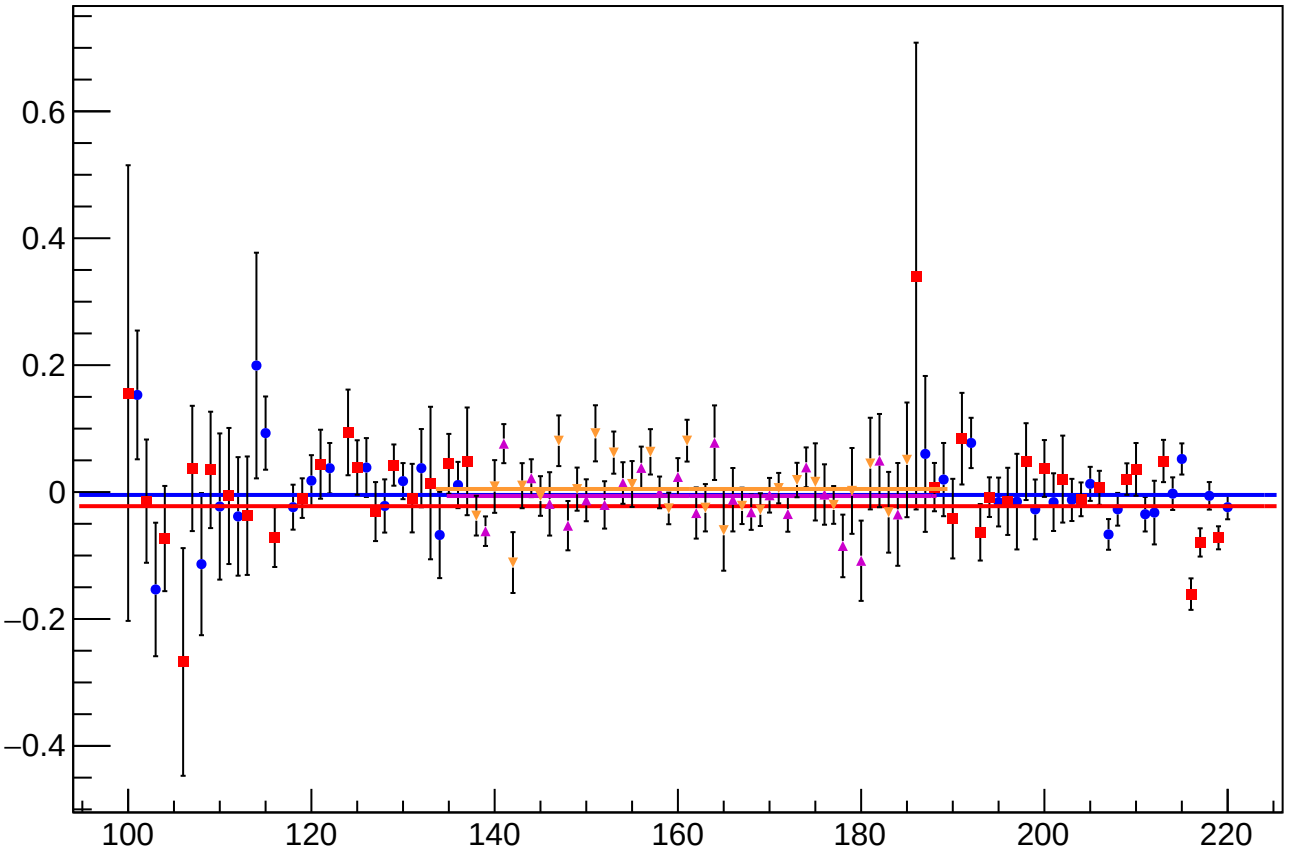
Right Out: 0.000+/-0.000 χ^2/NDF: 10164027.8/36

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 14783576.5/57

All: 0.000+/-0.000 χ^2/NDF: 30557456.8/117

- sign 0.000+/-0.000 χ^2/NDF: 15683521.4/59



Right In: -0.005+/-0.006 χ^2/NDF: 35.5/32

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.022+/-0.007 χ^2/NDF: 82.4/36

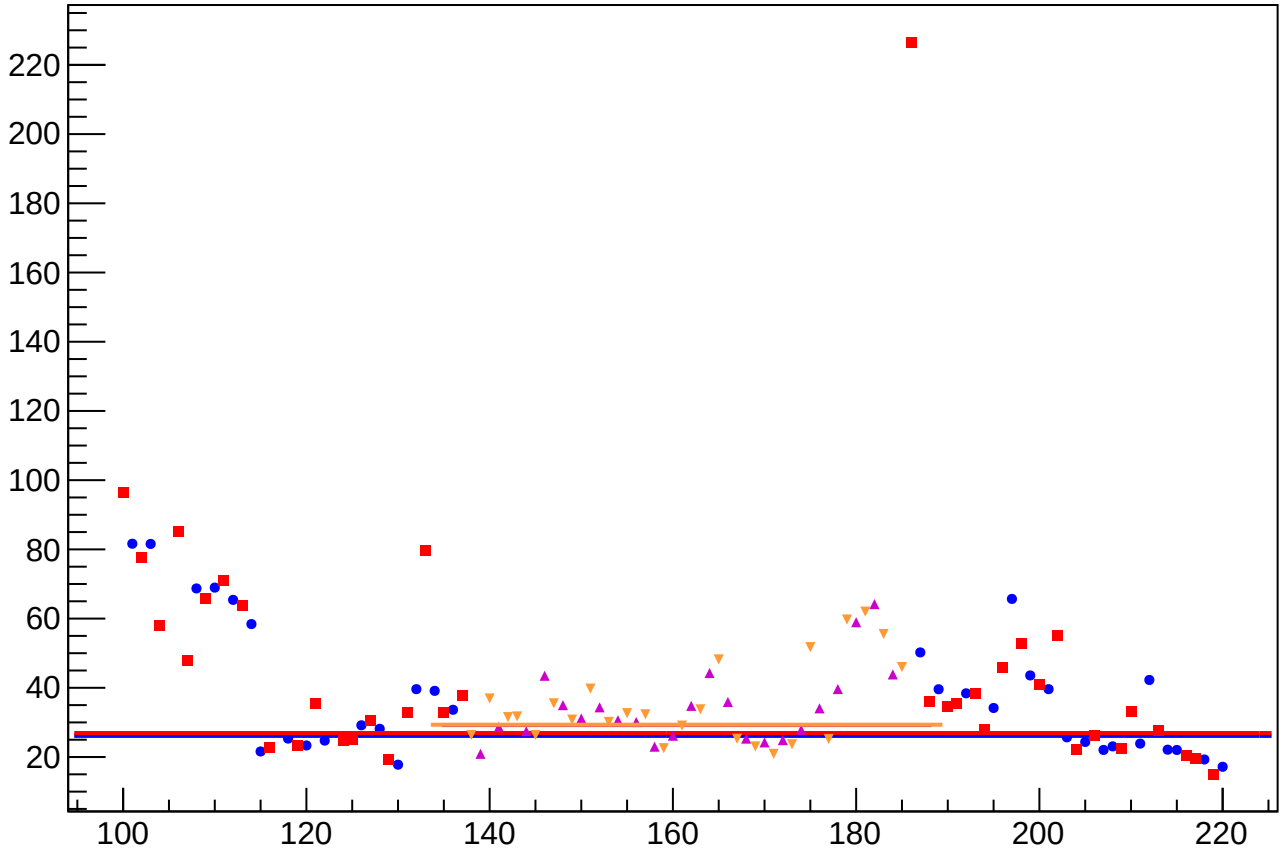
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.000+/-0.005 χ^2/NDF: 70.4/57

All: -0.007+/-0.003 χ^2/NDF: 190.9/117

- sign -0.015+/-0.005 χ^2/NDF: 116.0/59

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 26.109+/-0.005 χ^2/NDF: 5127279.7/32

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

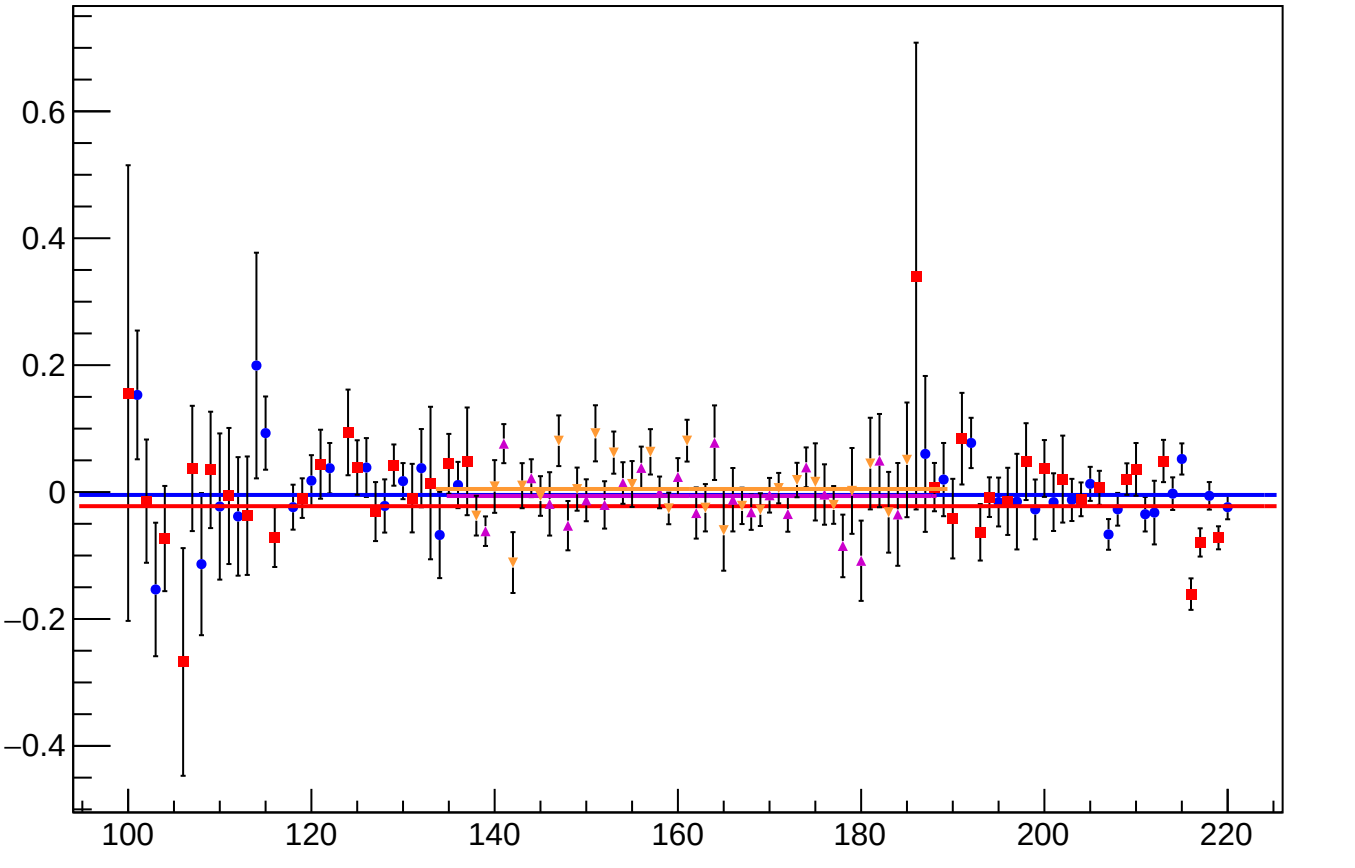
Right Out: 26.937+/-0.005 χ^2/NDF: 6351866.4/36

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 27.555+/-0.003 χ^2/NDF: 8042392.9/57

All: 27.764+/-0.002 χ^2/NDF: 16607446.0/117

- sign 27.989+/-0.003 χ^2/NDF: 8557004.7/59



Right In: -0.005+/-0.006 χ^2/NDF: 35.5/32

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.022+/-0.007 χ^2/NDF: 82.4/36

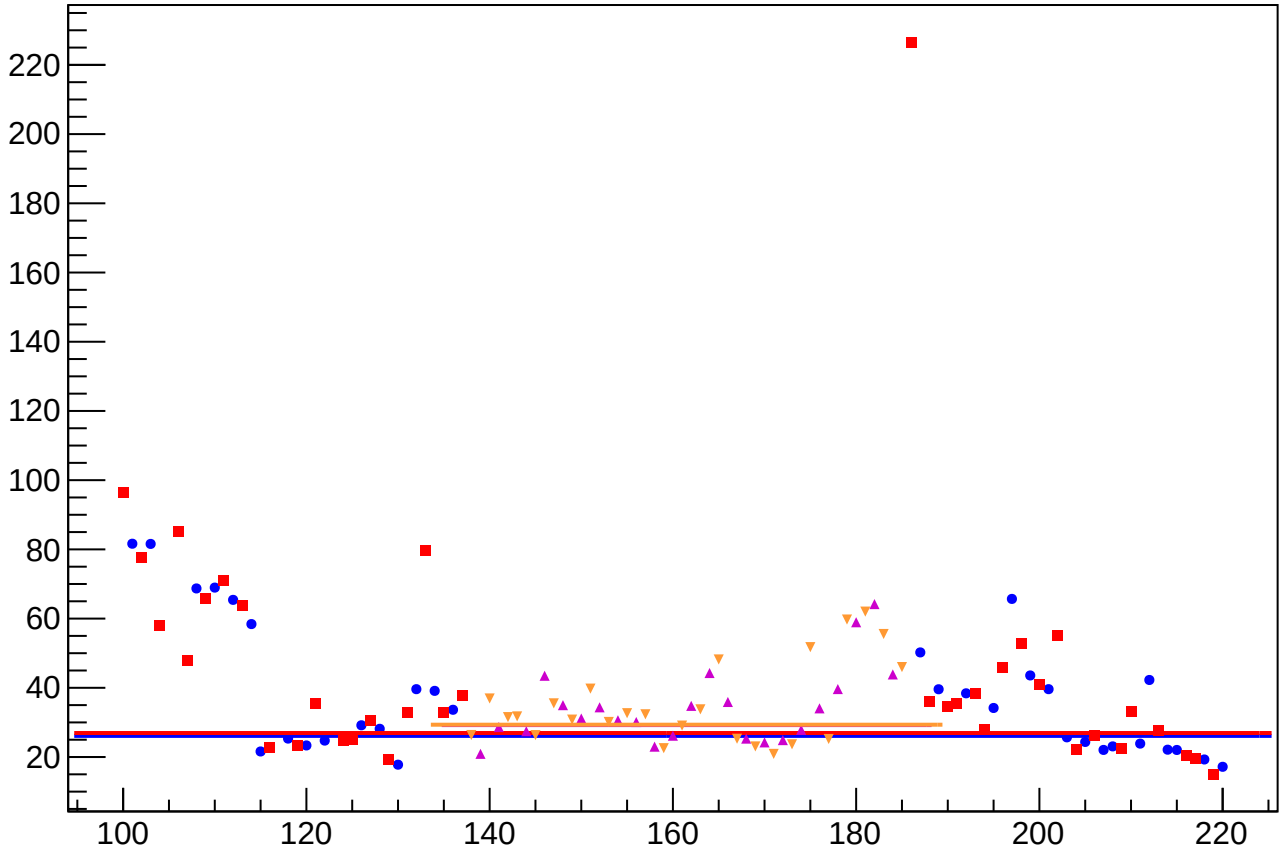
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.000+/-0.005 χ^2/NDF: 70.4/57

All: -0.007+/-0.003 χ^2/NDF: 190.9/117

- sign -0.015+/-0.005 χ^2/NDF: 116.0/59

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.109+/-0.005 χ^2/NDF: 5127279.7/32

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

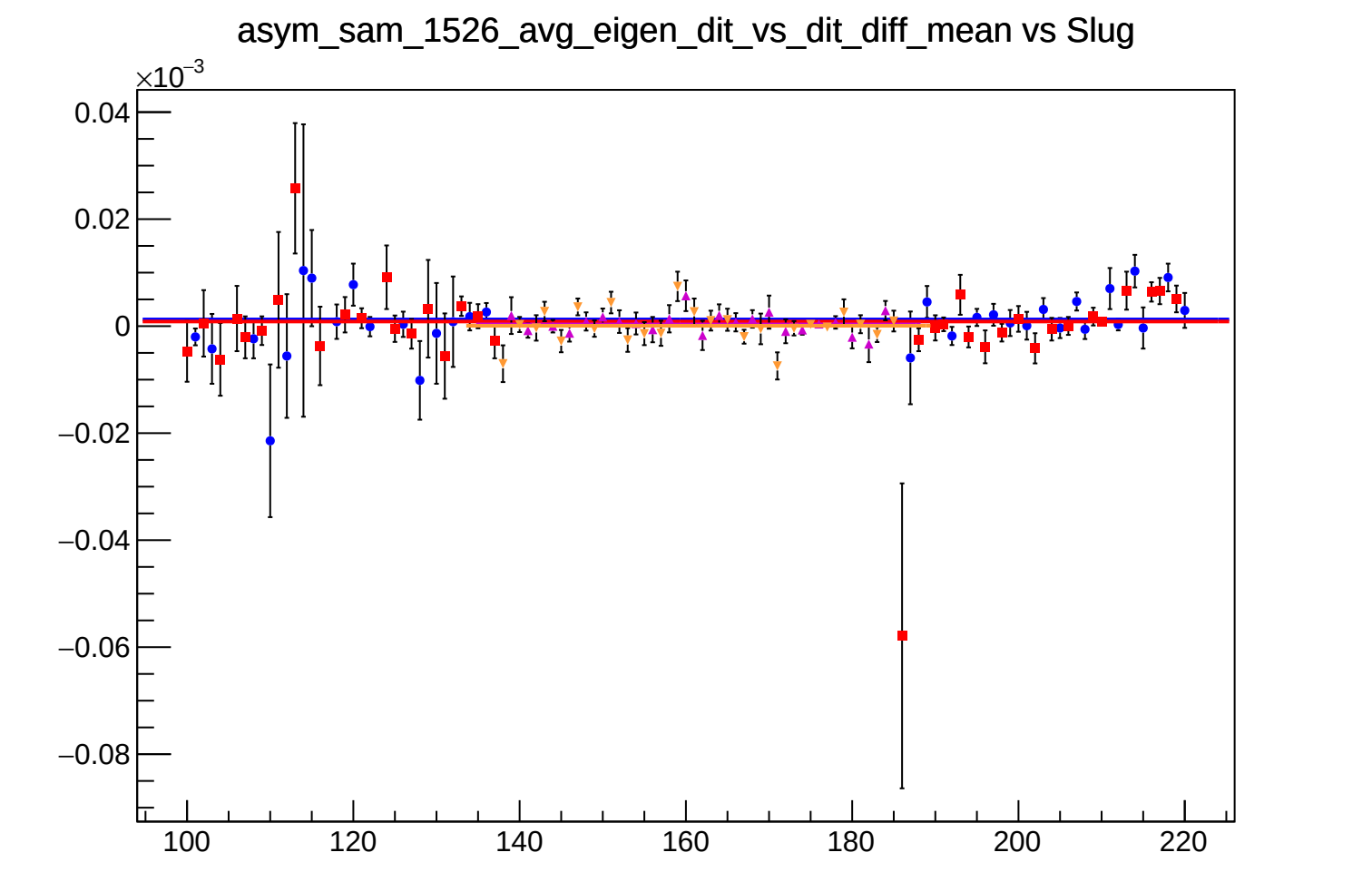
Right Out: 26.937+/-0.005 χ^2/NDF: 6351866.4/36

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 27.555+/-0.003 χ^2/NDF: 8042392.9/57

All: 27.764+/-0.002 χ^2/NDF: 16607446.0/117

- sign 27.989+/-0.003 χ^2/NDF: 8557004.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 50.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

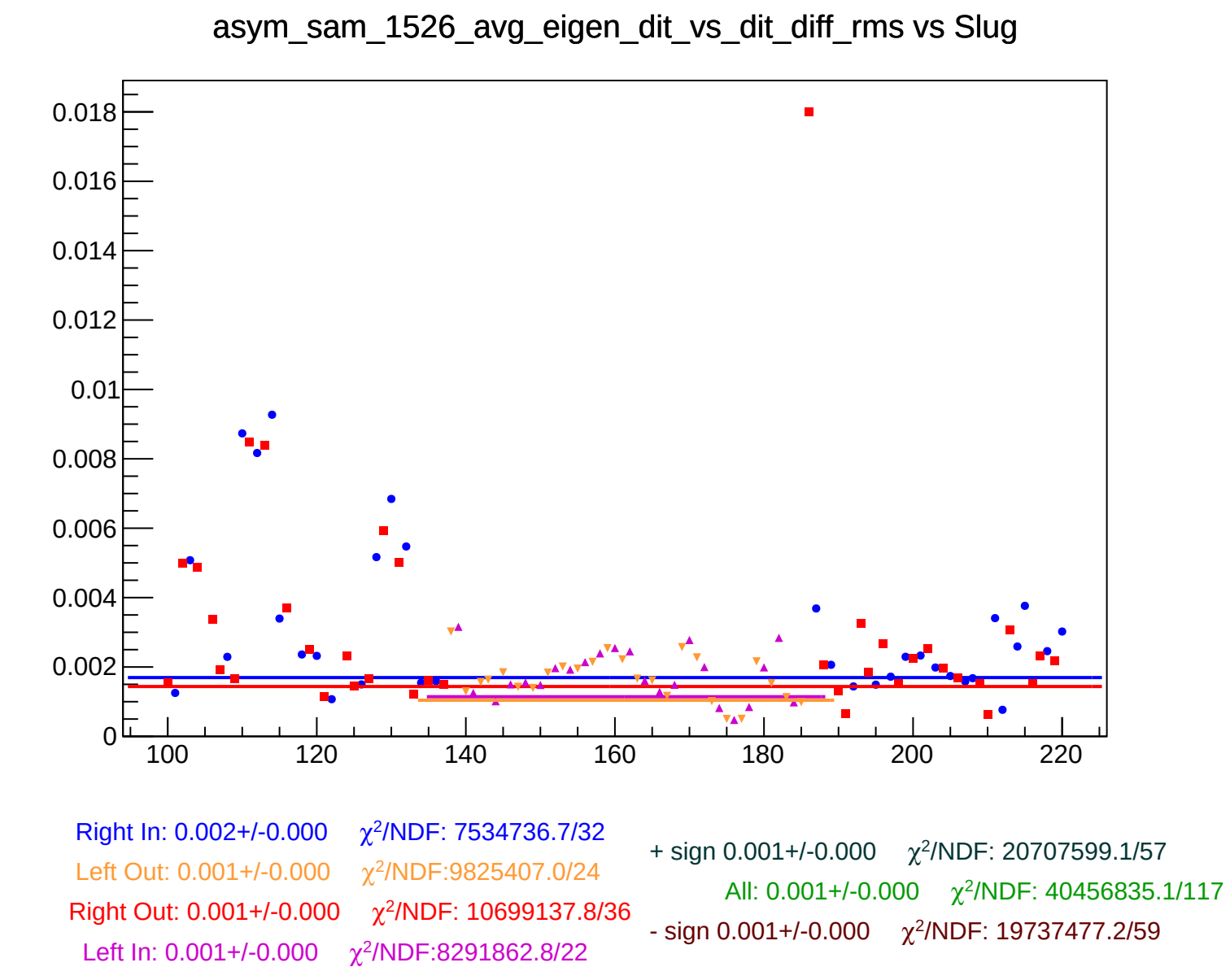
Right Out: 0.000+/-0.000 χ^2/NDF: 54.9/36

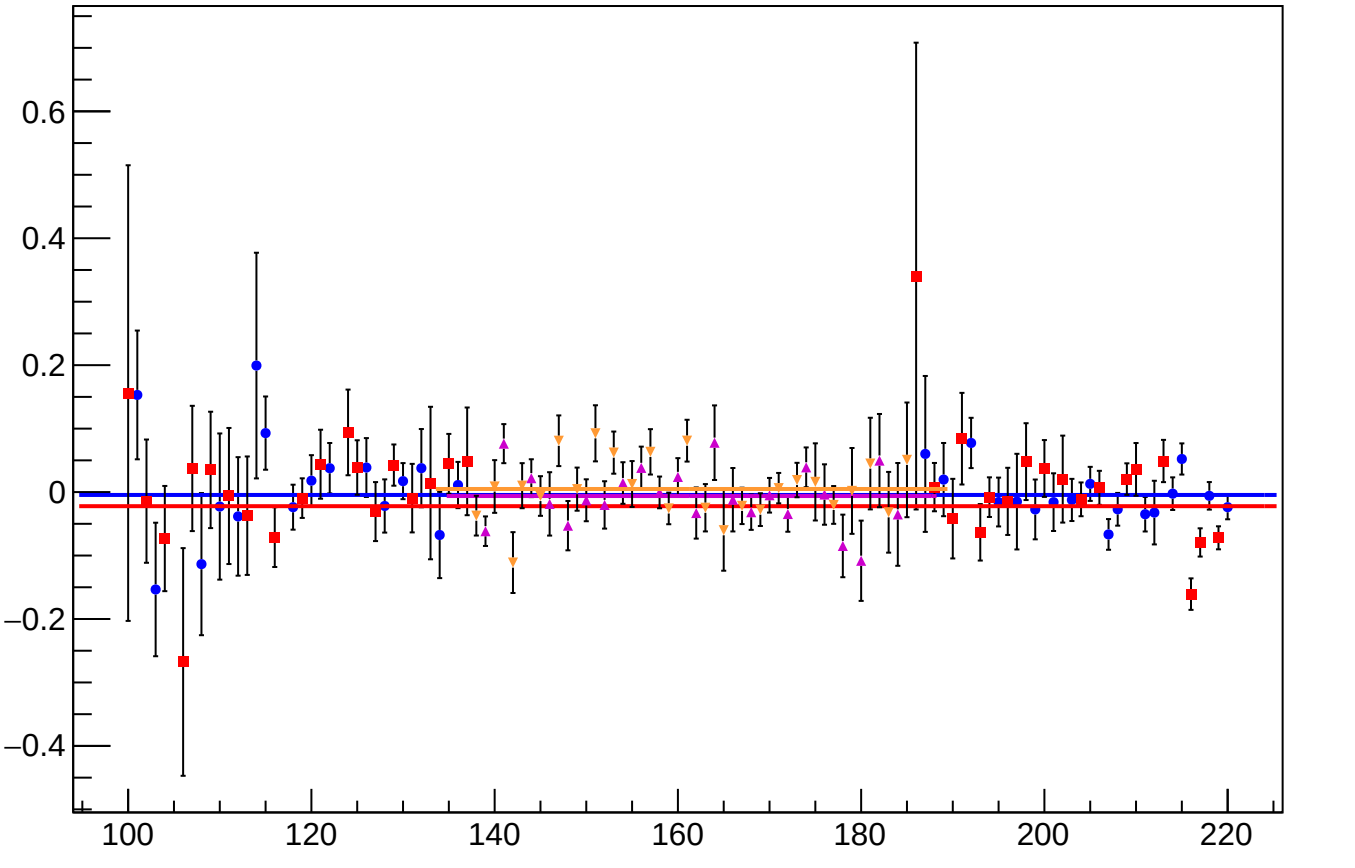
Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 99.1/57

All: 0.000+/-0.000 χ^2/NDF: 170.9/117

- sign 0.000+/-0.000 χ^2/NDF: 71.7/59


asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
100
120
140
160
180
200
220
Right In: 0.002+/-0.000 χ²/NDF: 7534736.7/32
Left Out: 0.001+/-0.000 χ²/NDF:9825407.0/24
Right Out: 0.001+/-0.000 χ²/NDF: 10699137.8/36
Left In: 0.001+/-0.000 χ²/NDF:8291862.8/22
+ sign 0.001+/-0.000 χ²/NDF: 20707599.1/57
All: 0.001+/-0.000 χ²/NDF: 40456835.1/117
- sign 0.001+/-0.000 χ²/NDF: 19737477.2/59



Right In: -0.005+/-0.006 χ^2/NDF: 35.5/32

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: -0.022+/-0.007 χ^2/NDF: 82.4/36

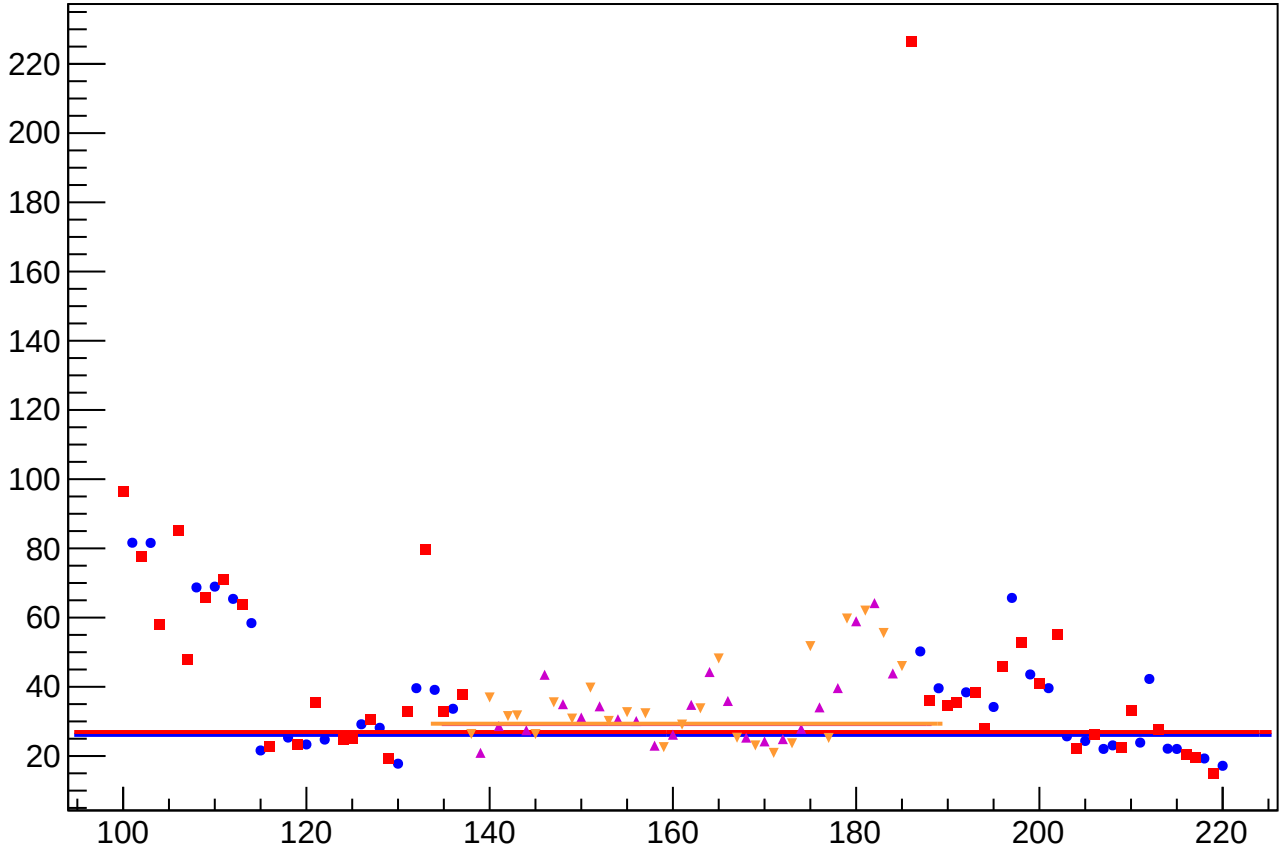
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.000+/-0.005 χ^2/NDF: 70.4/57

All: -0.007+/-0.003 χ^2/NDF: 190.9/117

- sign -0.015+/-0.005 χ^2/NDF: 116.0/59

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.108+/-0.005 χ^2/NDF: 5127667.5/32

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

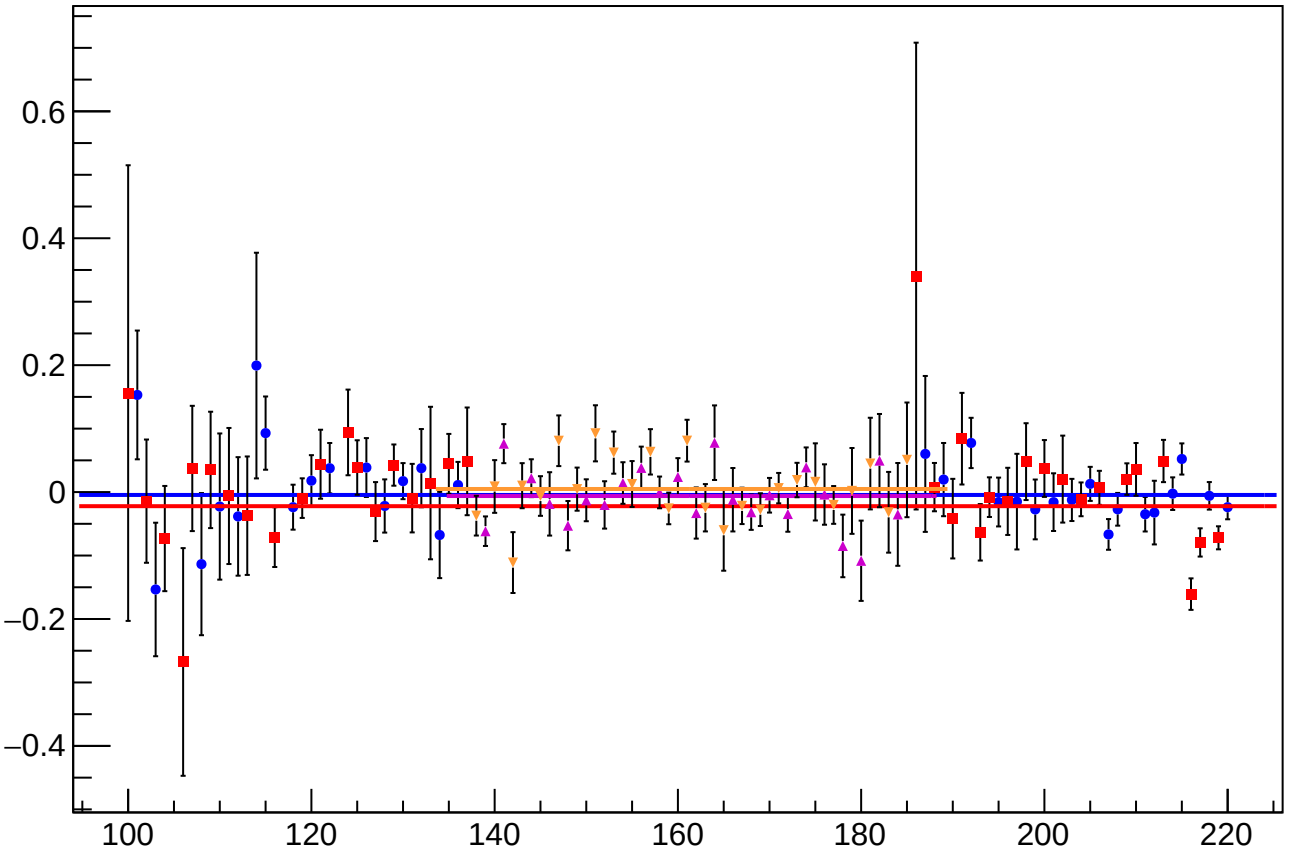
Right Out: 26.936+/-0.005 χ^2/NDF: 6352169.5/36

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 27.554+/-0.003 χ^2/NDF: 8042952.4/57

All: 27.764+/-0.002 χ^2/NDF: 16608384.8/117

- sign 27.989+/-0.003 χ^2/NDF: 8557380.3/59



Right In: -0.005+/-0.006 χ^2/NDF: 35.5/32

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

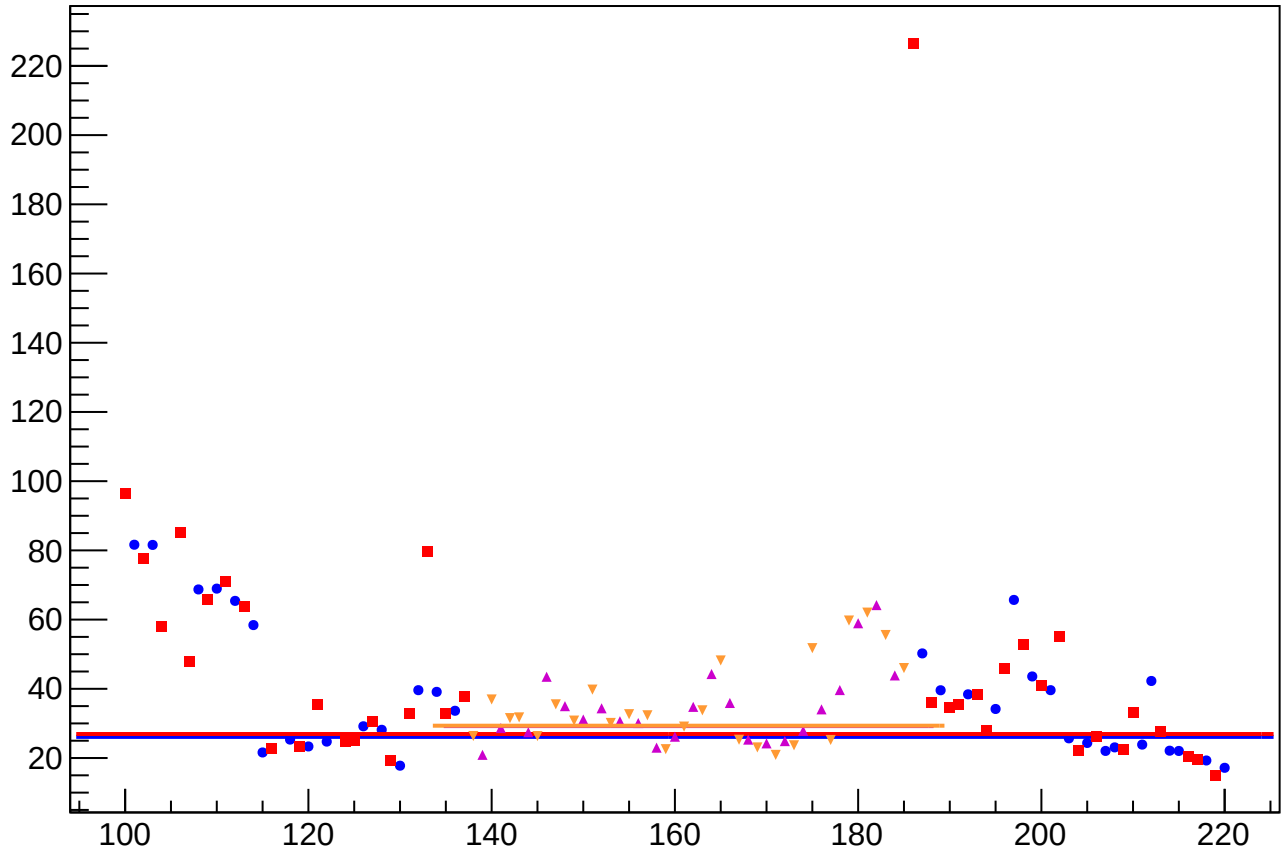
Right Out: -0.022+/-0.007 χ^2/NDF: 82.4/36

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign -0.000+/-0.005 χ^2/NDF: 70.4/57

All: -0.007+/-0.003 χ^2/NDF: 190.9/117

- sign -0.015+/-0.005 χ^2/NDF: 116.0/59



Right In: 26.108+/-0.005 χ^2/NDF: 5127667.5/32

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

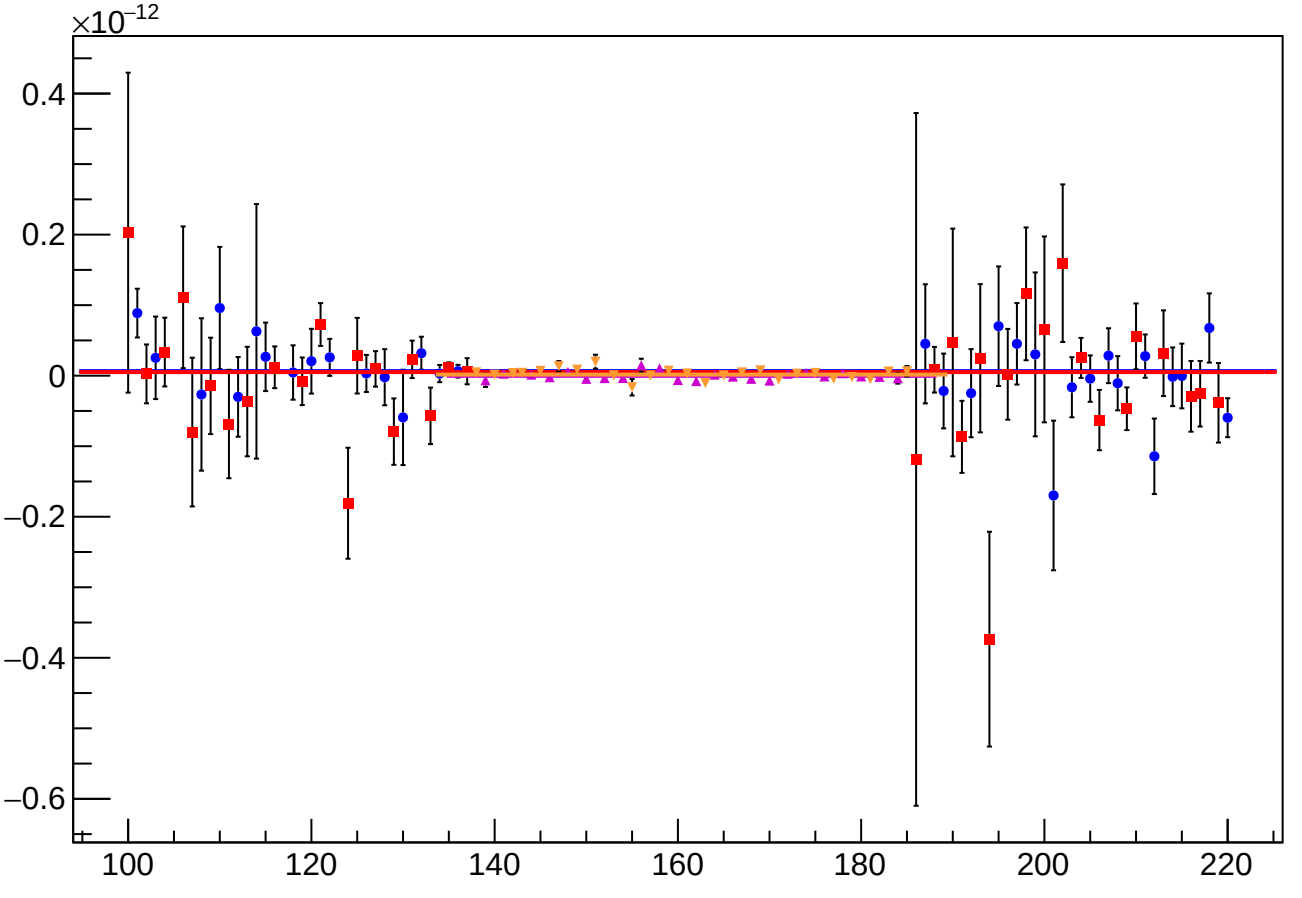
Right Out: 26.936+/-0.005 χ^2/NDF: 6352169.5/36

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 27.554+/-0.003 χ^2/NDF: 8042952.4/57

All: 27.764+/-0.002 χ^2/NDF: 16608384.8/117

- sign 27.989+/-0.003 χ^2/NDF: 8557380.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 28.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

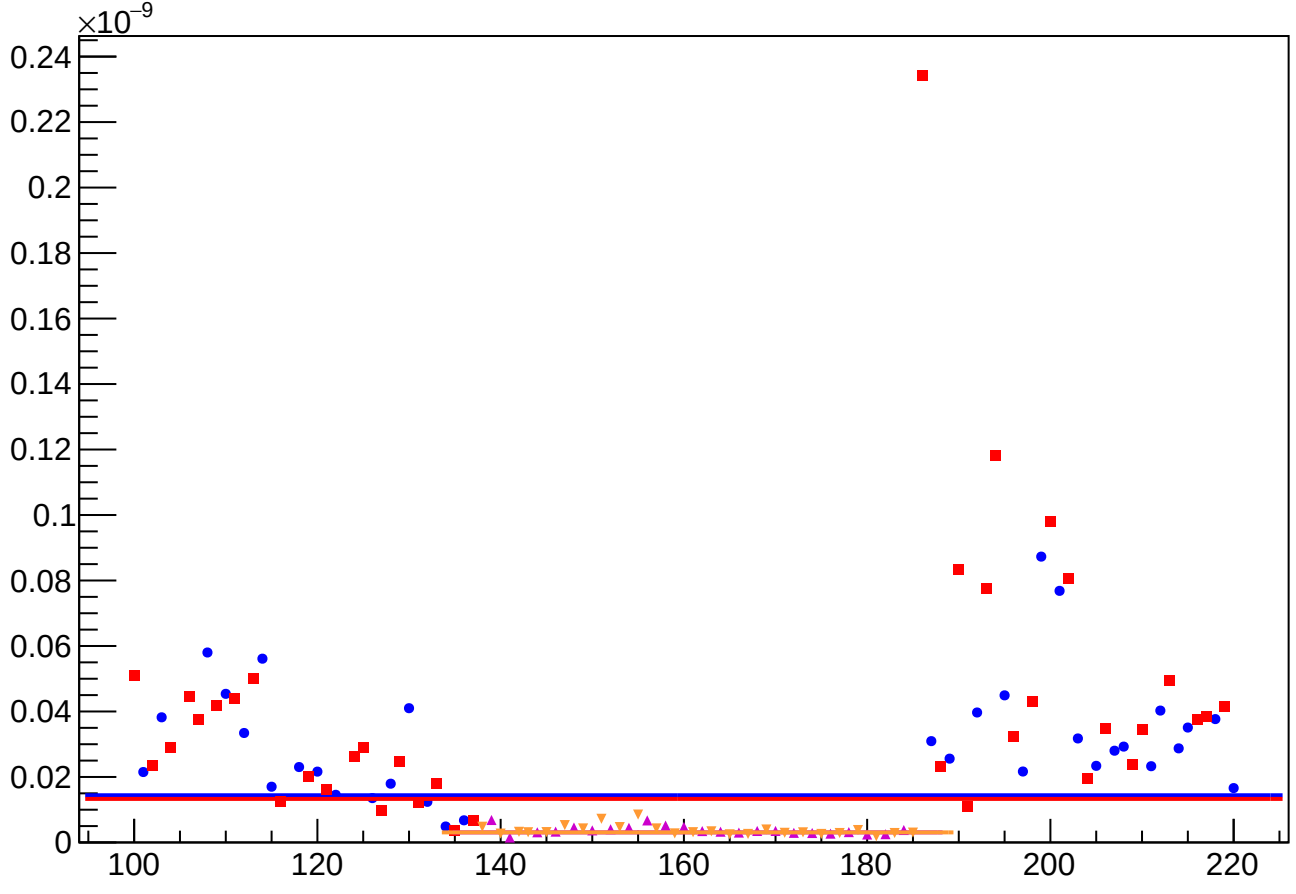
Right Out: 0.000+/-0.000 χ^2/NDF: 43.7/36

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.7/57

All: 0.000+/-0.000 χ^2/NDF: 129.8/117

- sign -0.000+/-0.000 χ^2/NDF: 63.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 9509823.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 13674526.3/36

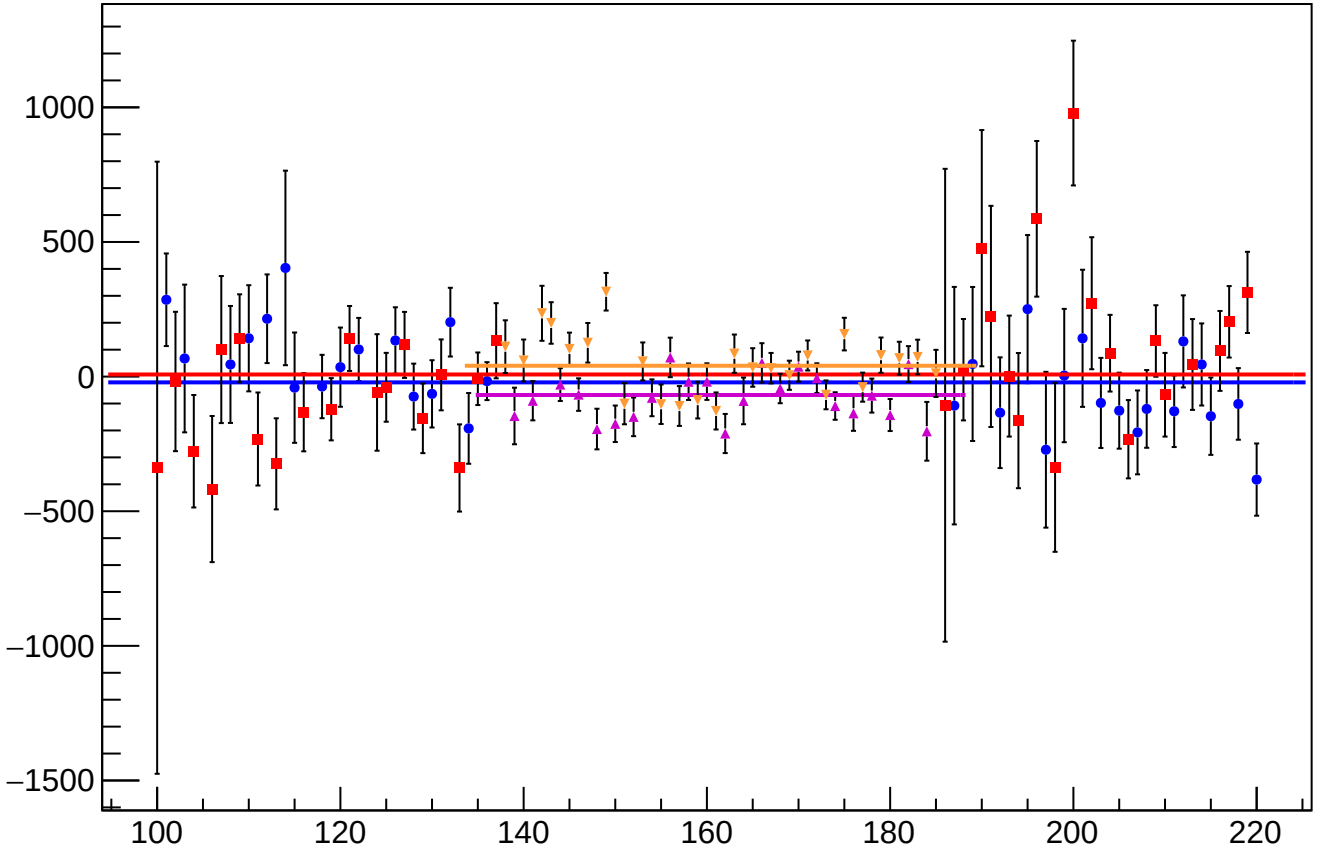
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 20554880.7/57

All: 0.000+/-0.000 χ^2/NDF: 43528335.3/117

- sign 0.000+/-0.000 χ^2/NDF: 22972987.6/59

reg_asym_sam_3726_avg_mean vs Slug



Right In: -21.450+/-26.365 χ^2/NDF: 30.6/32

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: 7.870+/-27.437 χ^2/NDF: 54.6/36

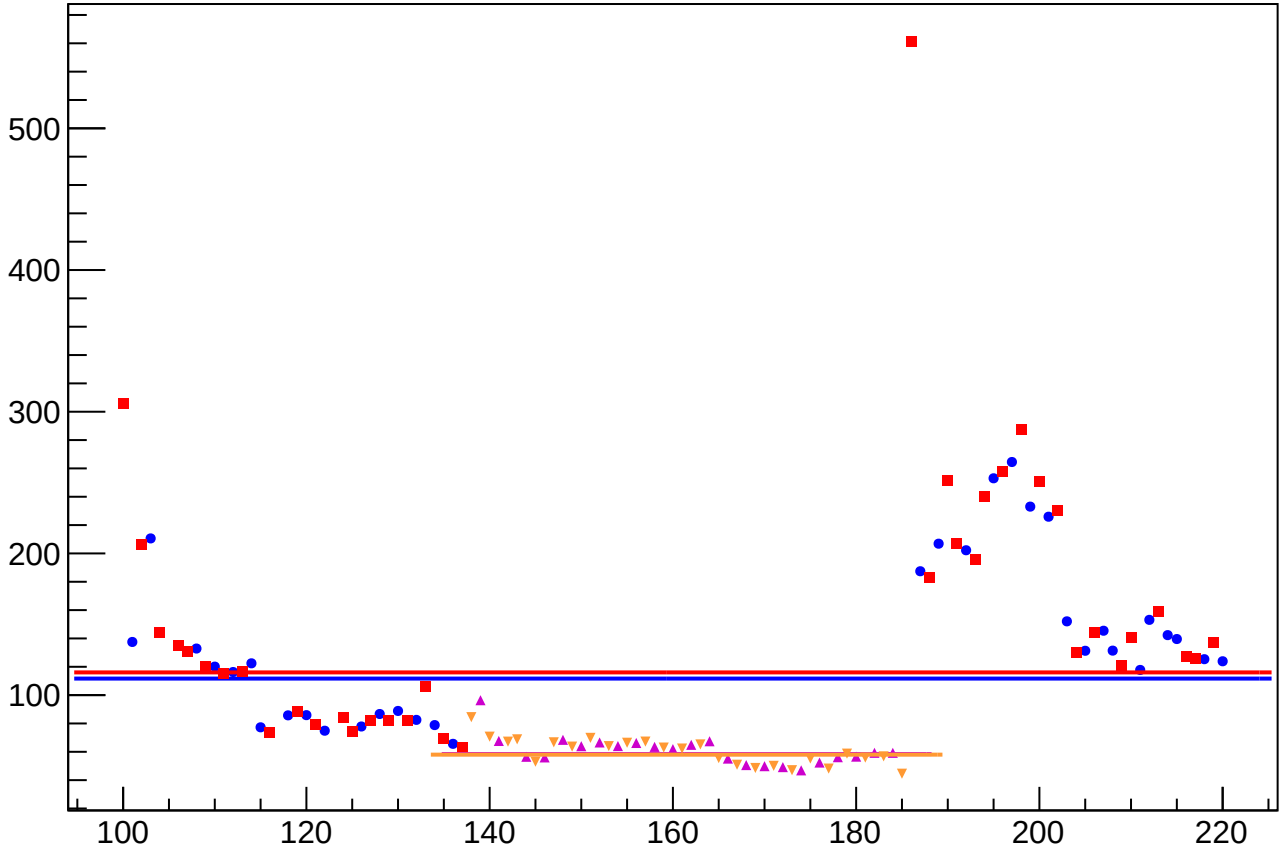
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 27.654+/-11.947 χ^2/NDF: 94.4/57

All: -11.175+/-8.595 χ^2/NDF: 208.8/117

- sign -52.839+/-12.376 χ^2/NDF: 92.5/59

reg_asym_sam_3726_avg_rms vs Slug



Right In: 111.674+/-0.019 χ^2/NDF: 5368859.9/32

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

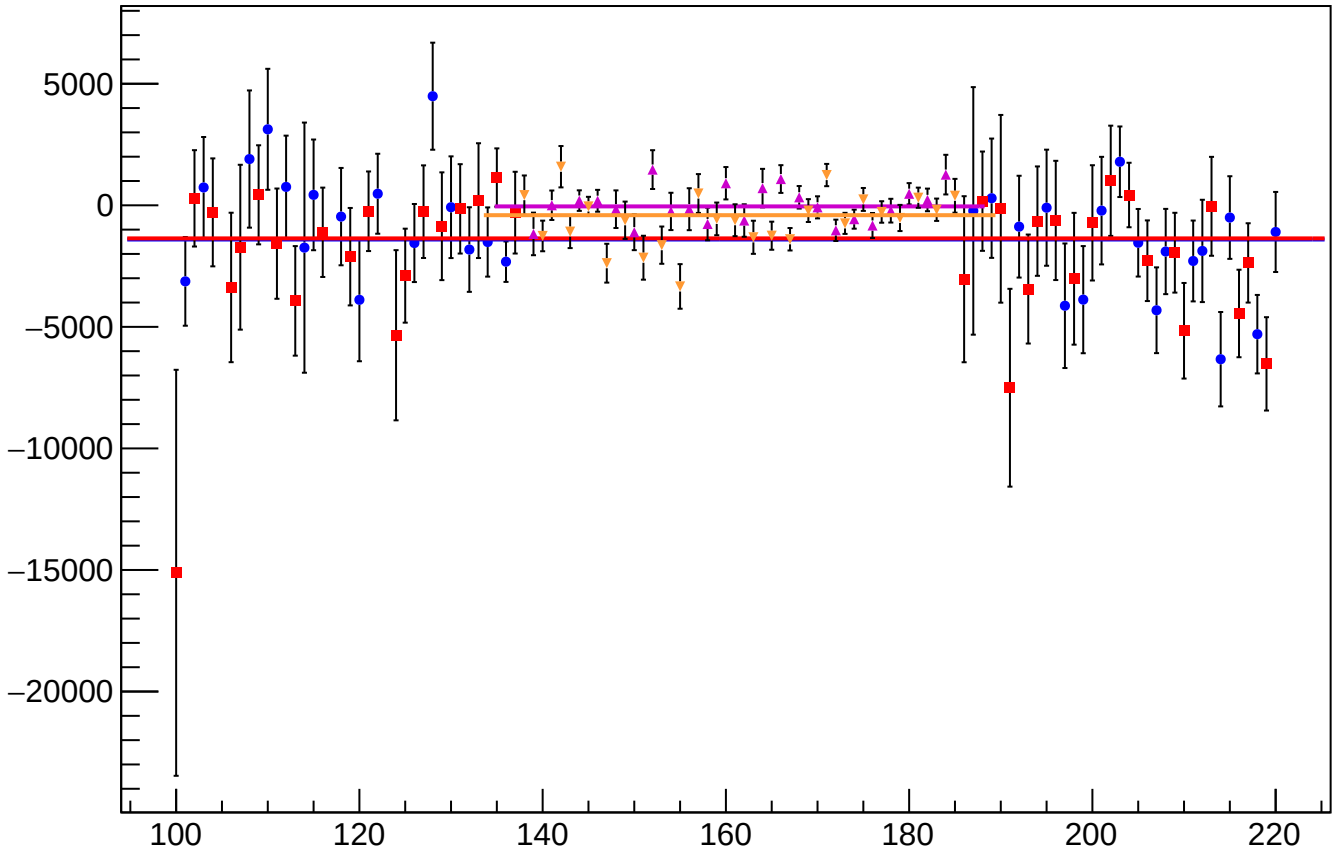
Right Out: 116.033+/-0.019 χ^2/NDF: 6400208.7/36

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 69.018+/-0.008 χ^2/NDF: 12764787.6/57

All: 69.551+/-0.006 χ^2/NDF: 26938529.9/117

- sign 70.123+/-0.009 χ^2/NDF: 14165492.6/59



Right In: -1406.370+/-317.731 χ^2/NDF: 43.8/32

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -1360.932+/-336.119 χ^2/NDF: 37.5/36

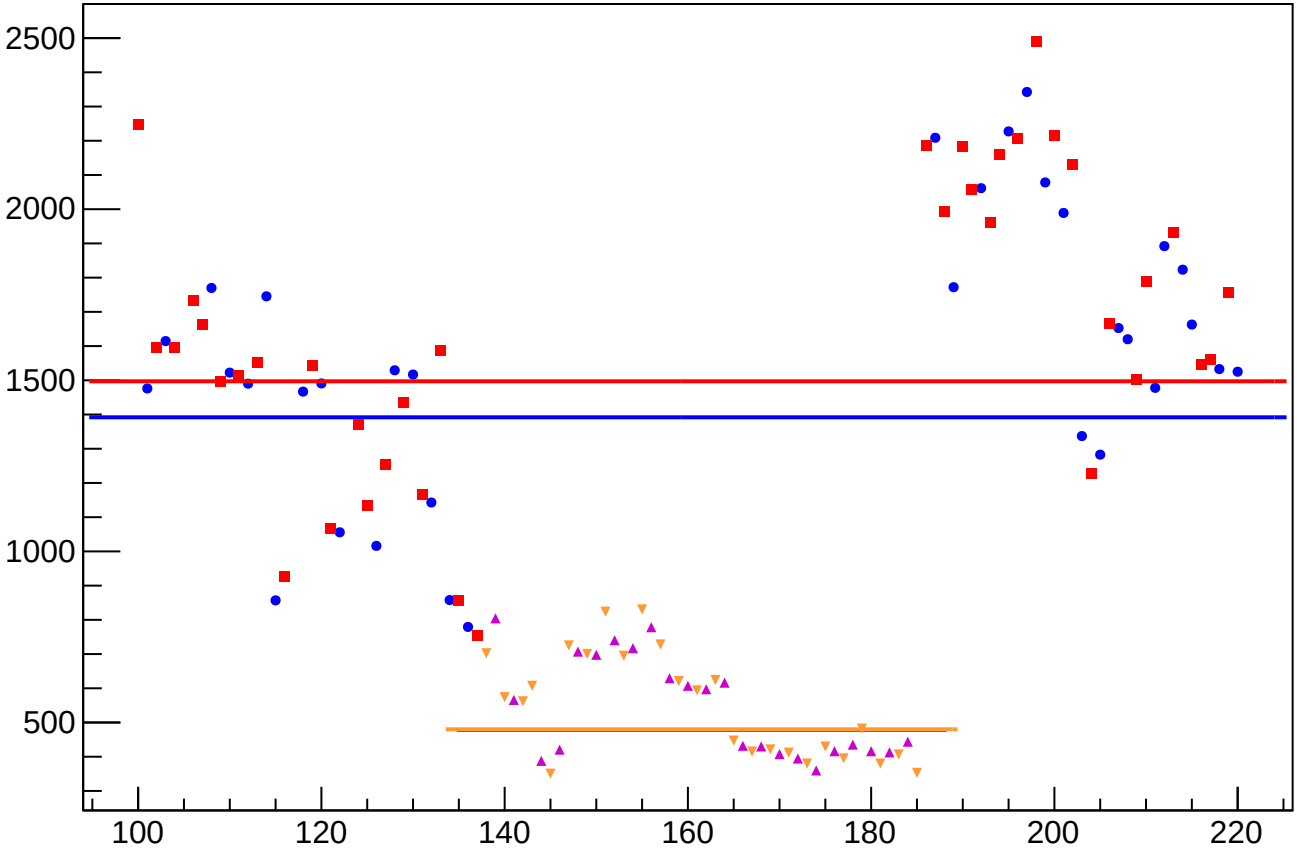
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -519.435+/-106.858 χ^2/NDF: 115.8/57

All: -355.937+/-76.462 χ^2/NDF: 202.8/117

- sign -184.395+/-109.455 χ^2/NDF: 82.2/59

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1391.859+/-0.225 χ^2/NDF: 3368484.0/32

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

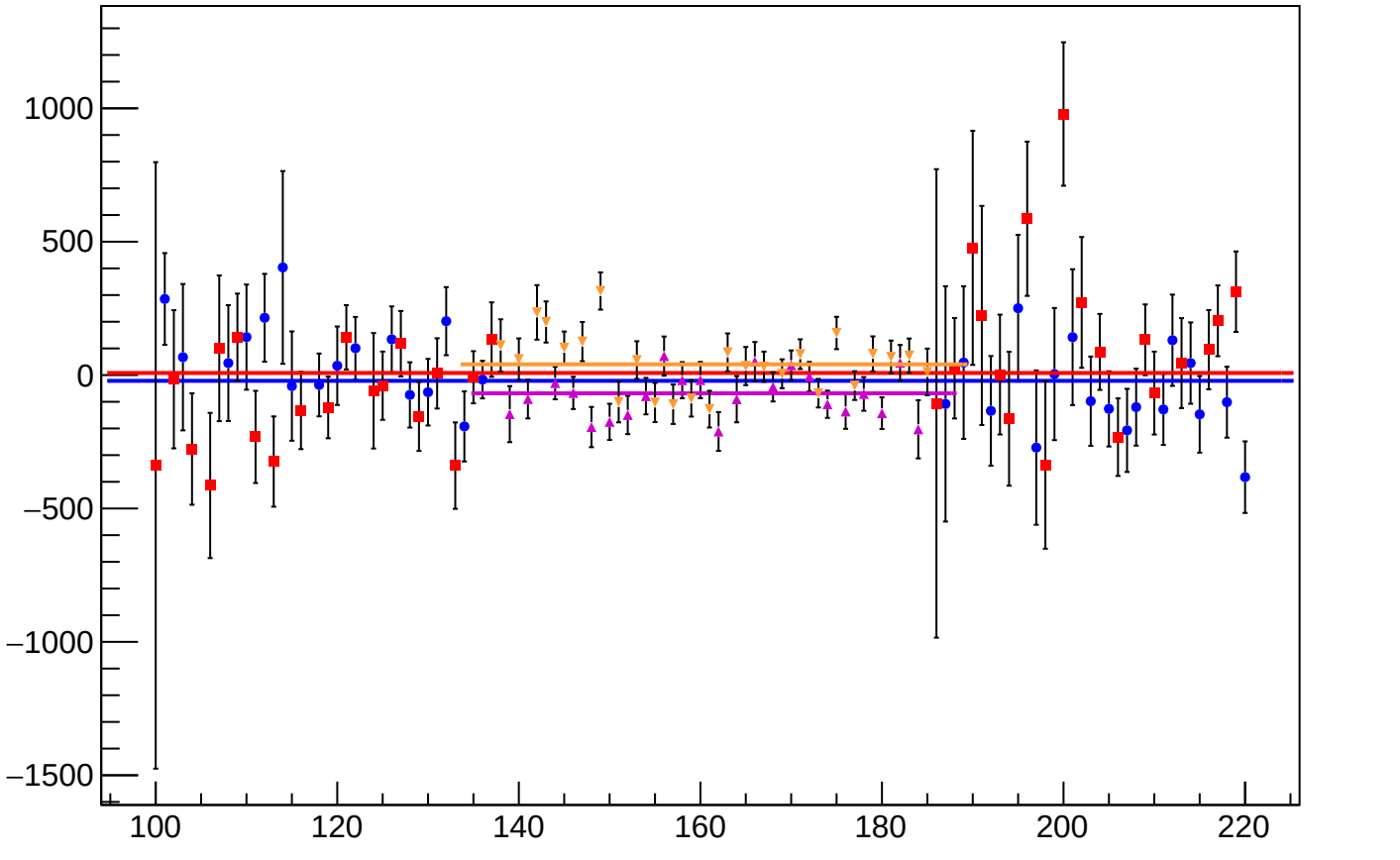
Right Out: 1497.122+/-0.238 χ^2/NDF: 3124182.0/36

Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 583.282+/-0.076 χ^2/NDF: 20555050.4/57

All: 584.680+/-0.054 χ^2/NDF: 42329344.9/11

- sign 586.146+/-0.077 χ^2/NDF: 21773593.6/59



Right In: -21.457+/-26.365 χ^2/NDF: 30.6/32

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 7.964+/-27.438 χ^2/NDF: 54.5/36

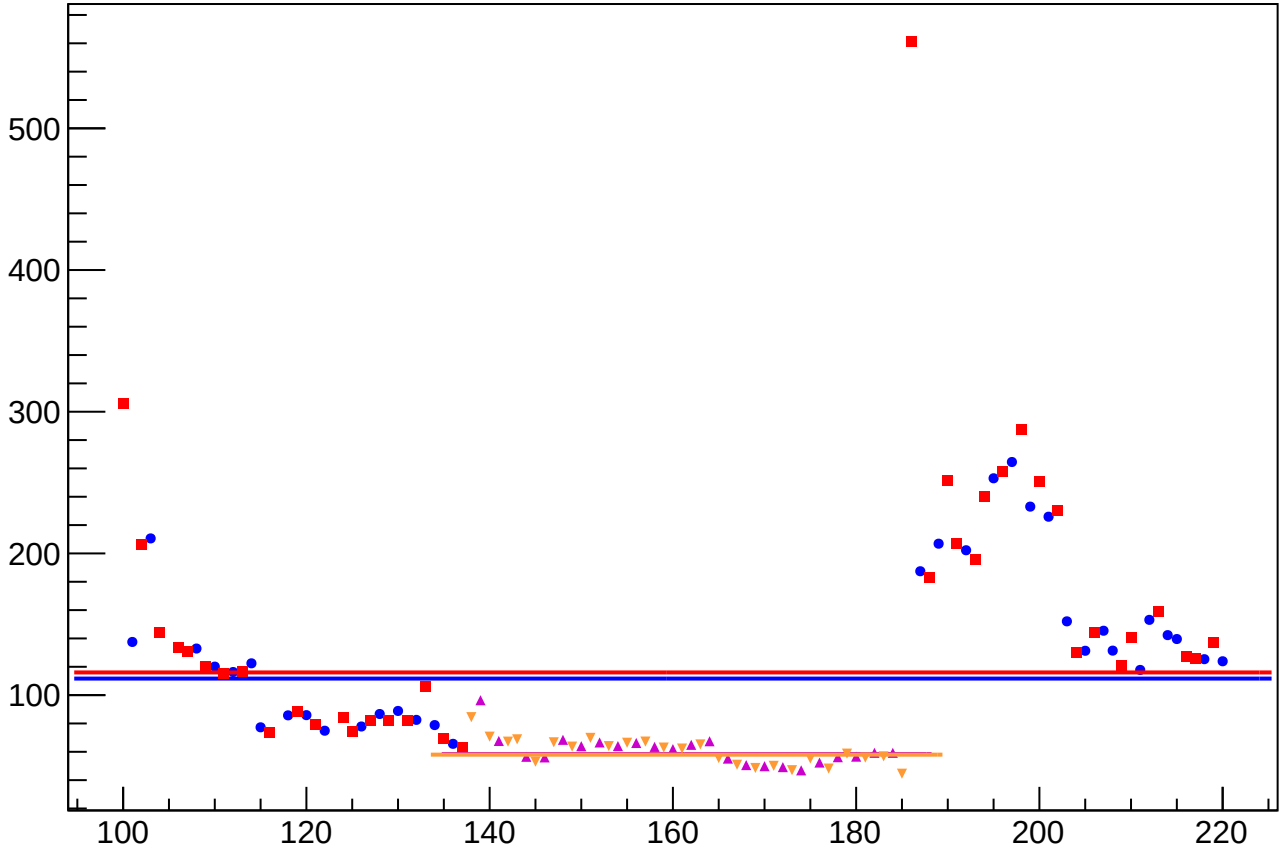
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 27.654+/-11.947 χ^2/NDF: 94.4/57

All: -11.165+/-8.595 χ^2/NDF: 208.7/117

- sign -52.820+/-12.376 χ^2/NDF: 92.4/59

cor_asym_sam_3726_avg_rms vs Slug



Right In: 111.674+/-0.019 χ^2/NDF: 5368863.0/32

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

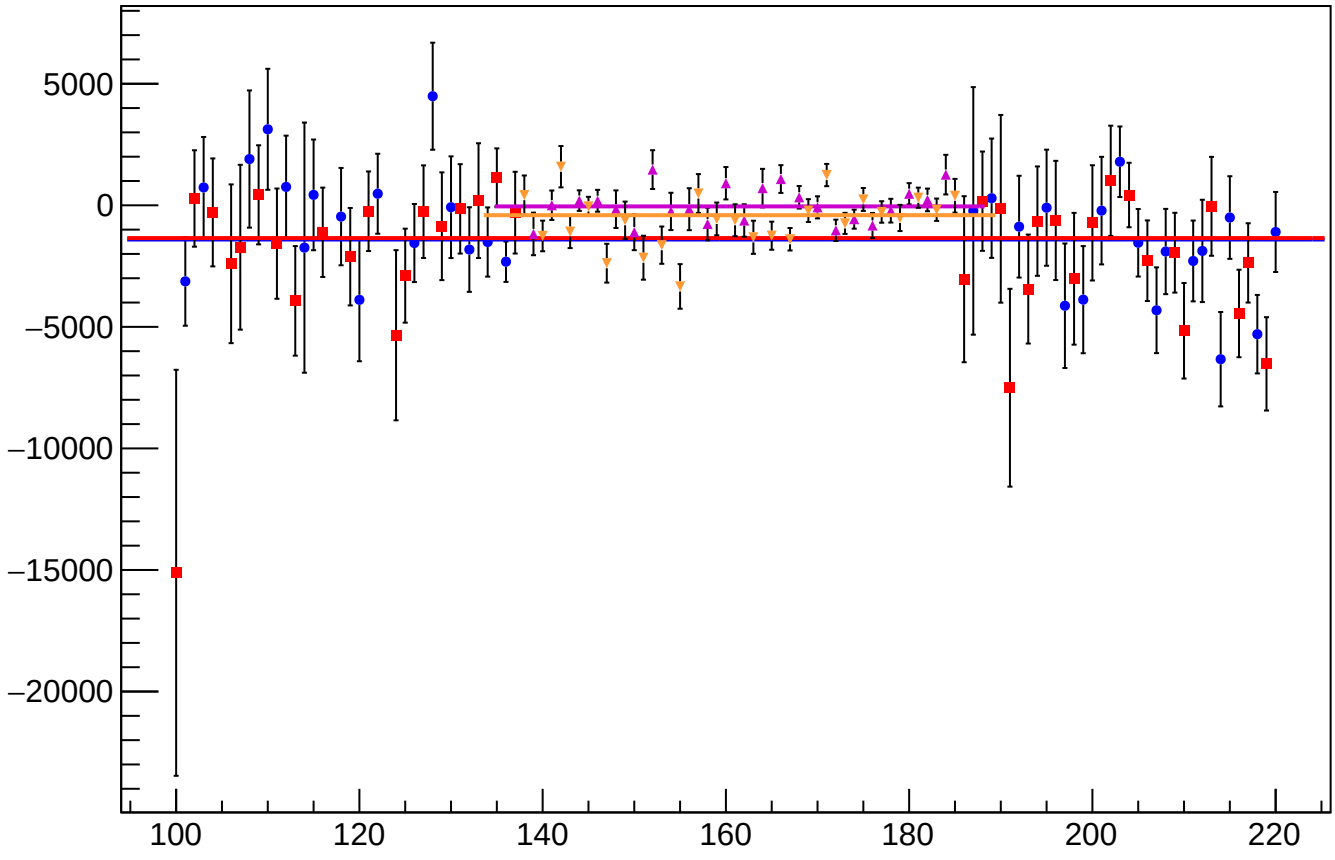
Right Out: 116.012+/-0.019 χ^2/NDF: 6398540.6/36

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 69.018+/-0.008 χ^2/NDF: 12764789.9/57

All: 69.548+/-0.006 χ^2/NDF: 26931239.4/117

- sign 70.118+/-0.009 χ^2/NDF: 14158274.1/59



Right In: -1406.357+/-317.732 χ^2/NDF: 43.8/32

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -1348.091+/-336.355 χ^2/NDF: 37.1/36

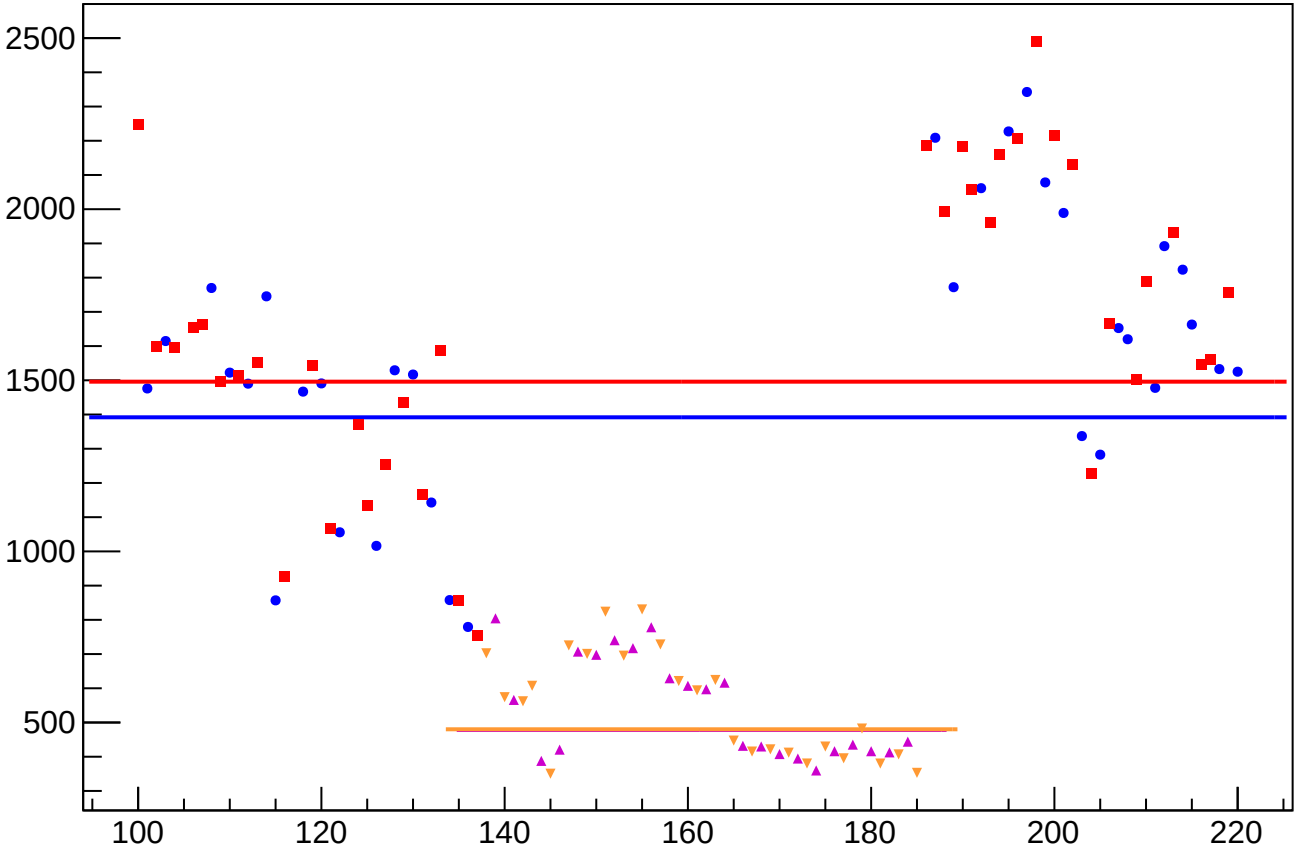
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -519.432+/-106.858 χ^2/NDF: 115.8/57

All: -355.198+/-76.464 χ^2/NDF: 202.3/117

- sign -182.859+/-109.463 χ^2/NDF: 81.6/59

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1391.861+/-0.225 χ^2/NDF: 3368509.7/32

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1496.001+/-0.238 χ^2/NDF: 3117147.4/36

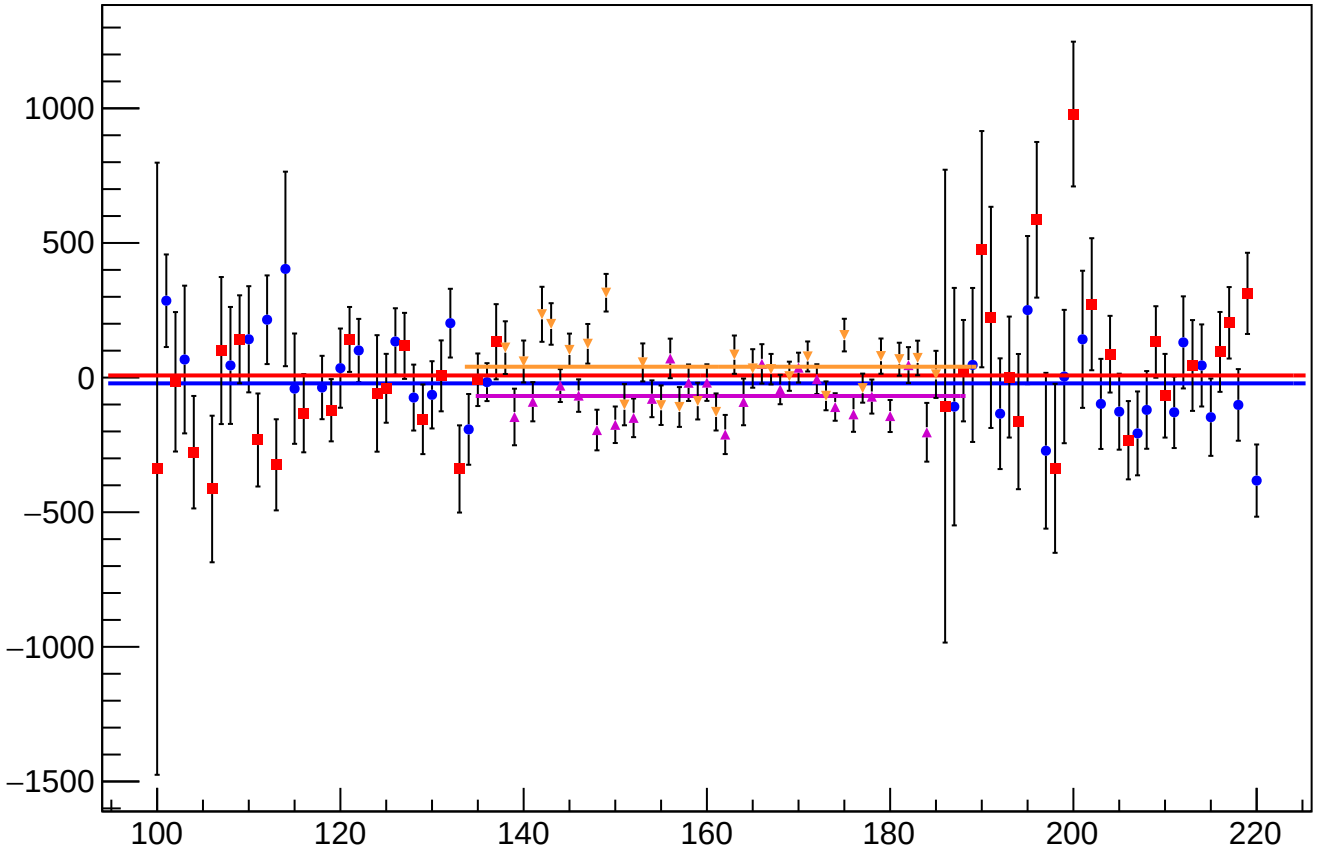
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 583.282+/-0.076 χ^2/NDF: 20555079.9/57

All: 584.556+/-0.054 χ^2/NDF: 42265511.4/11

- sign 585.892+/-0.077 χ^2/NDF: 21709849.5/59

eigen_cor_asym_sam_3726_avg_mean vs Slug



Right In: -21.457+/-26.365 χ^2/NDF: 30.6/32

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: 7.964+/-27.438 χ^2/NDF: 54.5/36

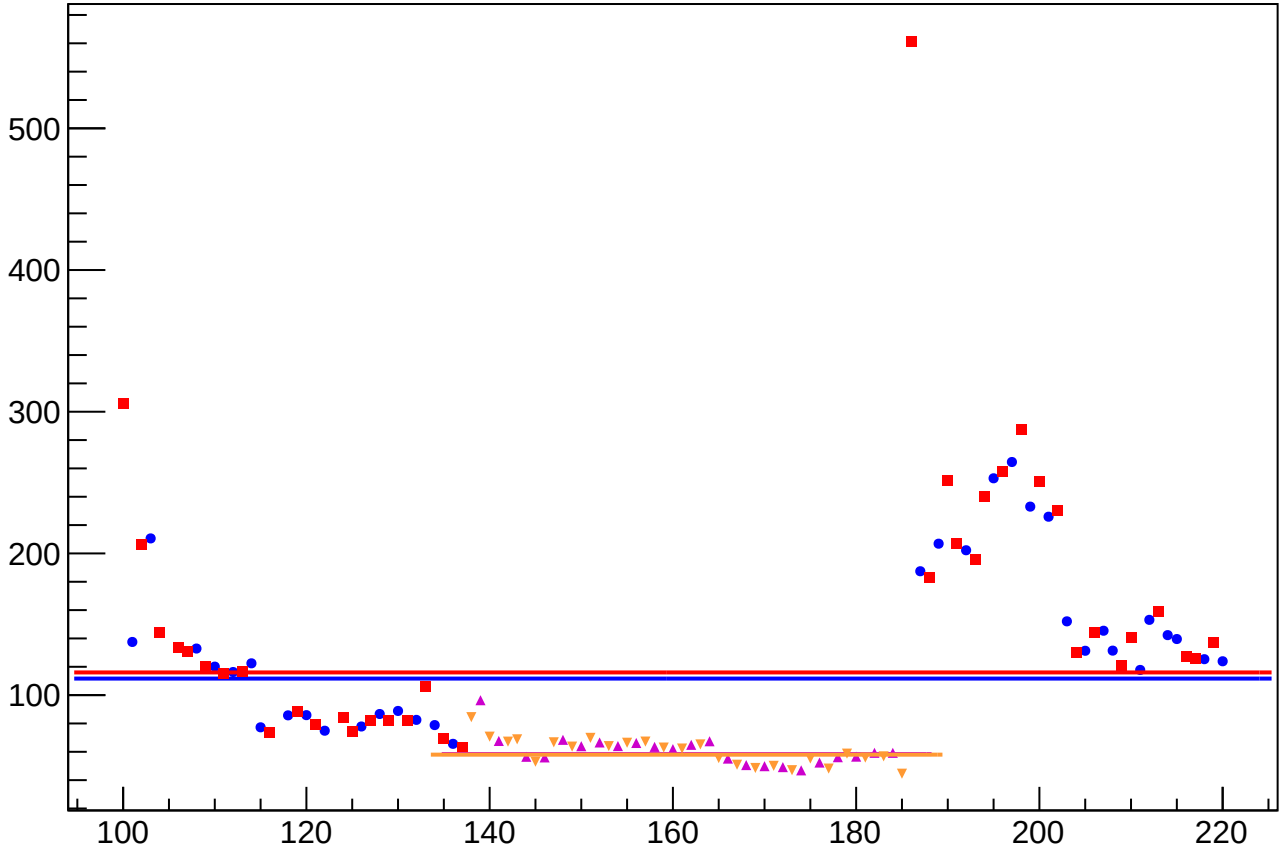
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 27.654+/-11.947 χ^2/NDF: 94.4/57

All: -11.165+/-8.595 χ^2/NDF: 208.7/117

- sign -52.820+/-12.376 χ^2/NDF: 92.4/59

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 111.674+/-0.019 χ^2/NDF: 5368863.0/32

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

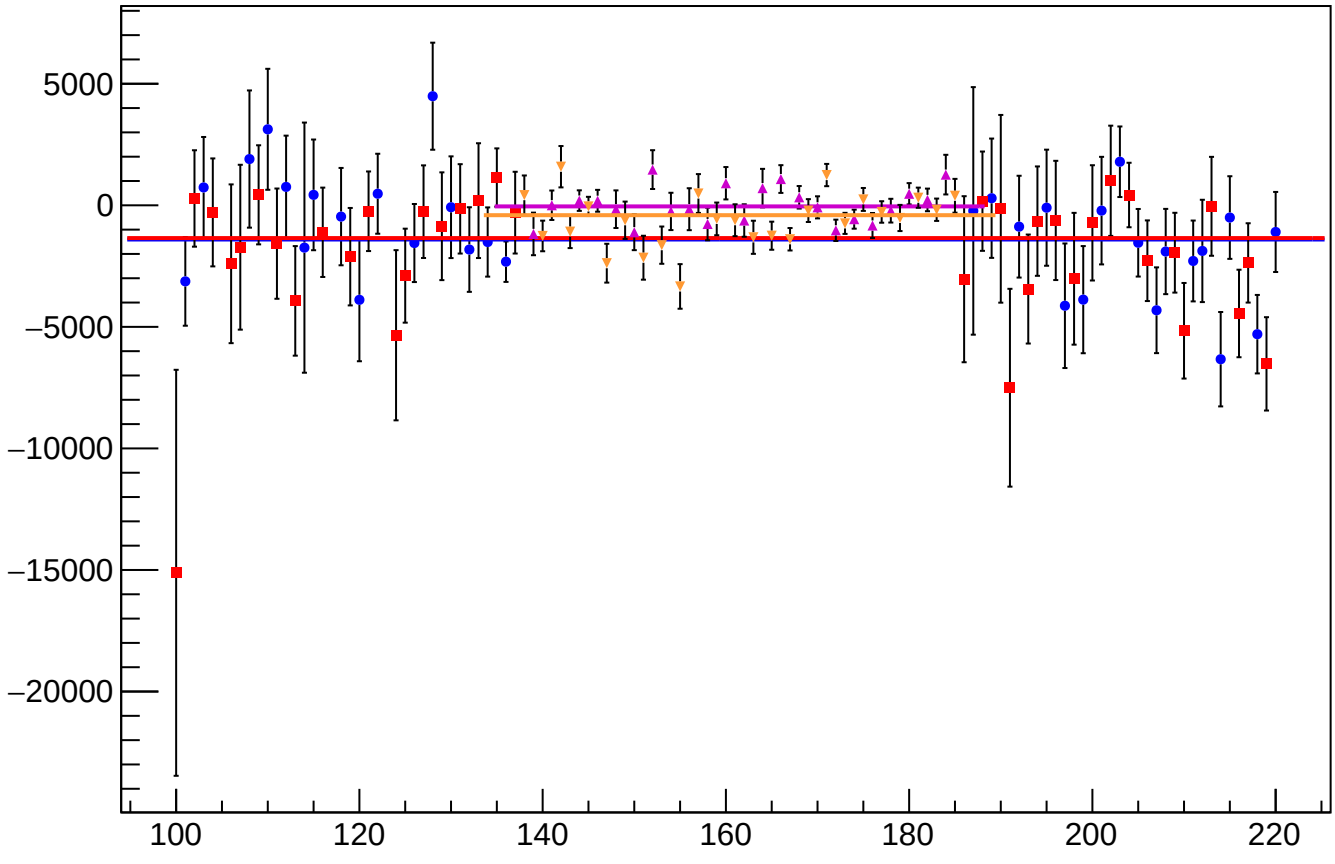
Right Out: 116.012+/-0.019 χ^2/NDF: 6398540.6/36

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 69.018+/-0.008 χ^2/NDF: 12764789.9/57

All: 69.548+/-0.006 χ^2/NDF: 26931239.4/117

- sign 70.118+/-0.009 χ^2/NDF: 14158274.1/59



Right In: -1406.357+/-317.732 χ^2/NDF: 43.8/32

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

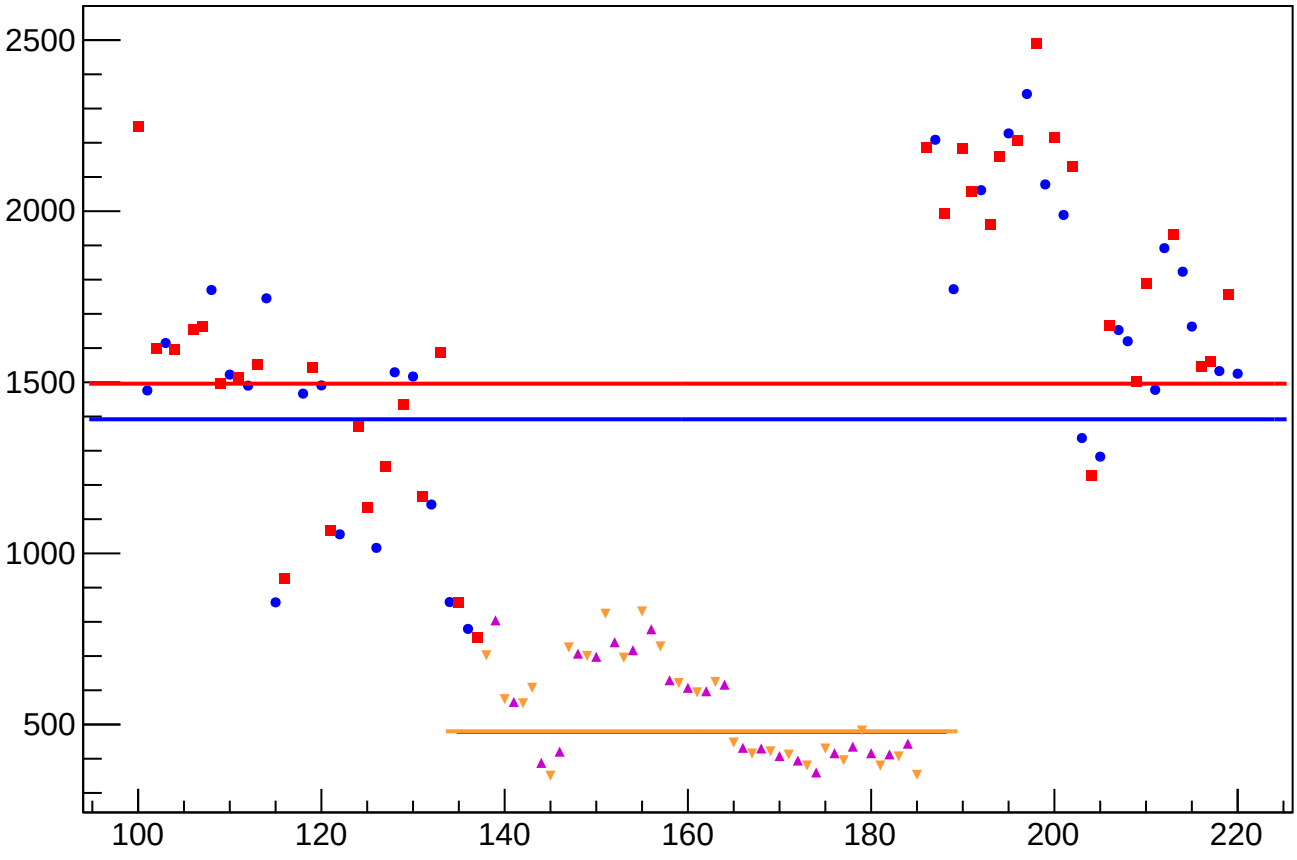
Right Out: -1348.091+/-336.355 χ^2/NDF: 37.1/36

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -519.432+/-106.858 χ^2/NDF: 115.8/57

All: -355.198+/-76.464 χ^2/NDF: 202.3/117

- sign -182.859+/-109.463 χ^2/NDF: 81.6/59



Right In: 1391.861+/-0.225 χ^2/NDF: 3368509.7/32

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1496.001+/-0.238 χ^2/NDF: 3117147.4/36

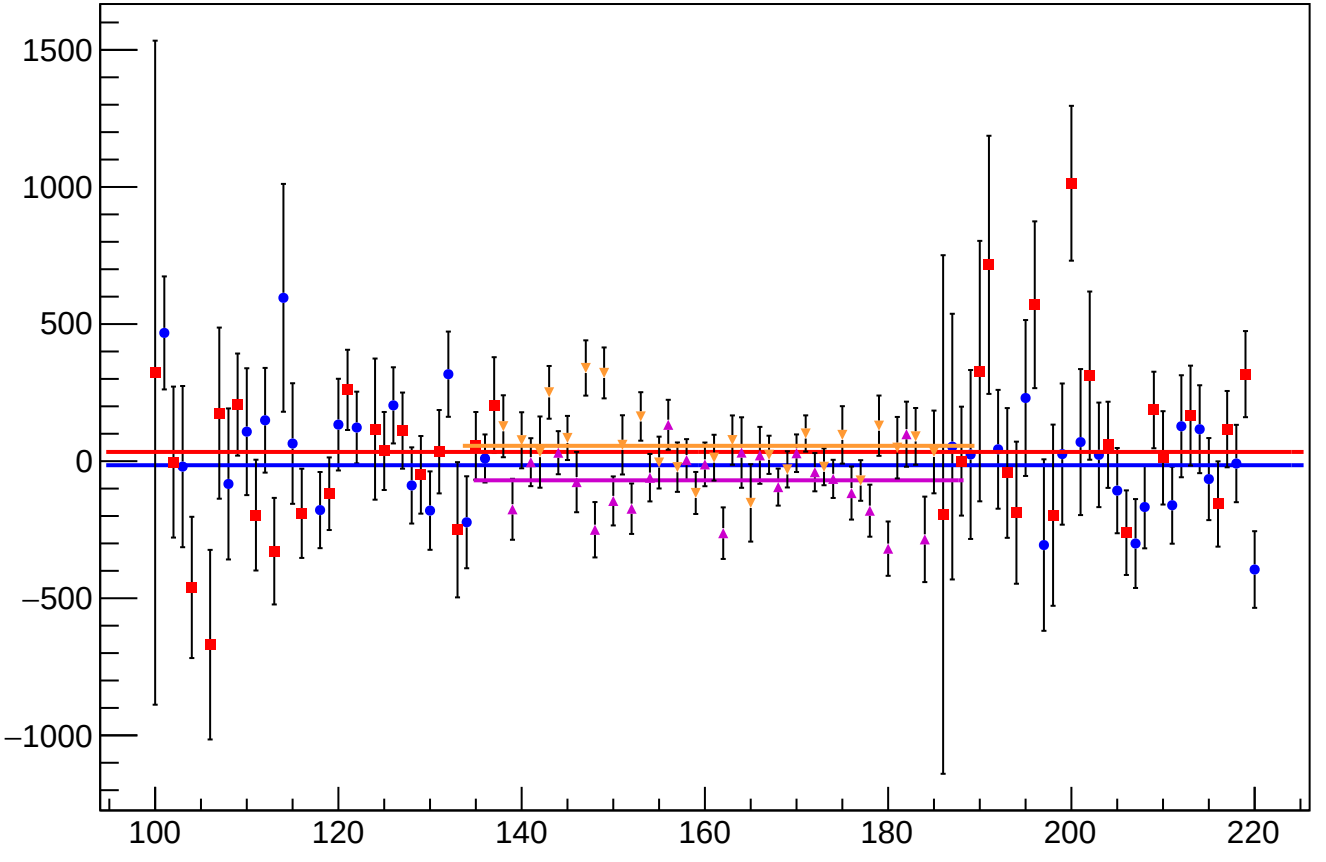
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 583.282+/-0.076 χ^2/NDF: 20555079.9/57

All: 584.556+/-0.054 χ^2/NDF: 42265511.4/11

- sign 585.892+/-0.077 χ^2/NDF: 21709849.5/59

dit_asym_sam_3726_avg_mean vs Slug



Right In: -14.799+/-29.747 χ^2/NDF: 38.6/32

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 33.630+/-31.062 χ^2/NDF: 52.8/36

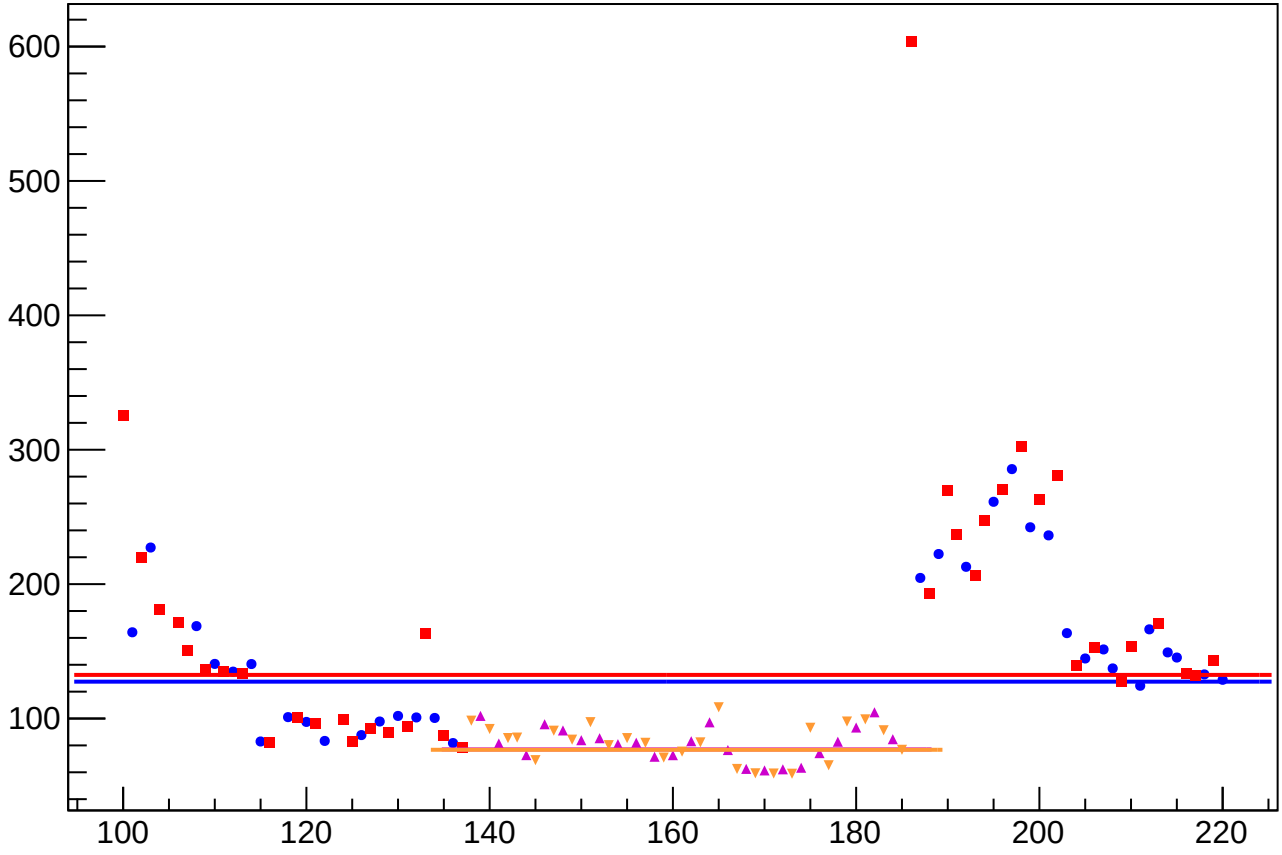
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

\+ sign 37.066+/-15.368 χ^2/NDF: 81.1/57

All: -1.508+/-11.048 χ^2/NDF: 189.7/117

\- sign -42.757+/-15.892 χ^2/NDF: 95.6/59

dit_asym_sam_3726_avg_rms vs Slug



Right In: 127.436+/-0.021 χ^2/NDF: 4313810.5/32

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

Right Out: 132.460+/-0.022 χ^2/NDF: 5570721.0/36

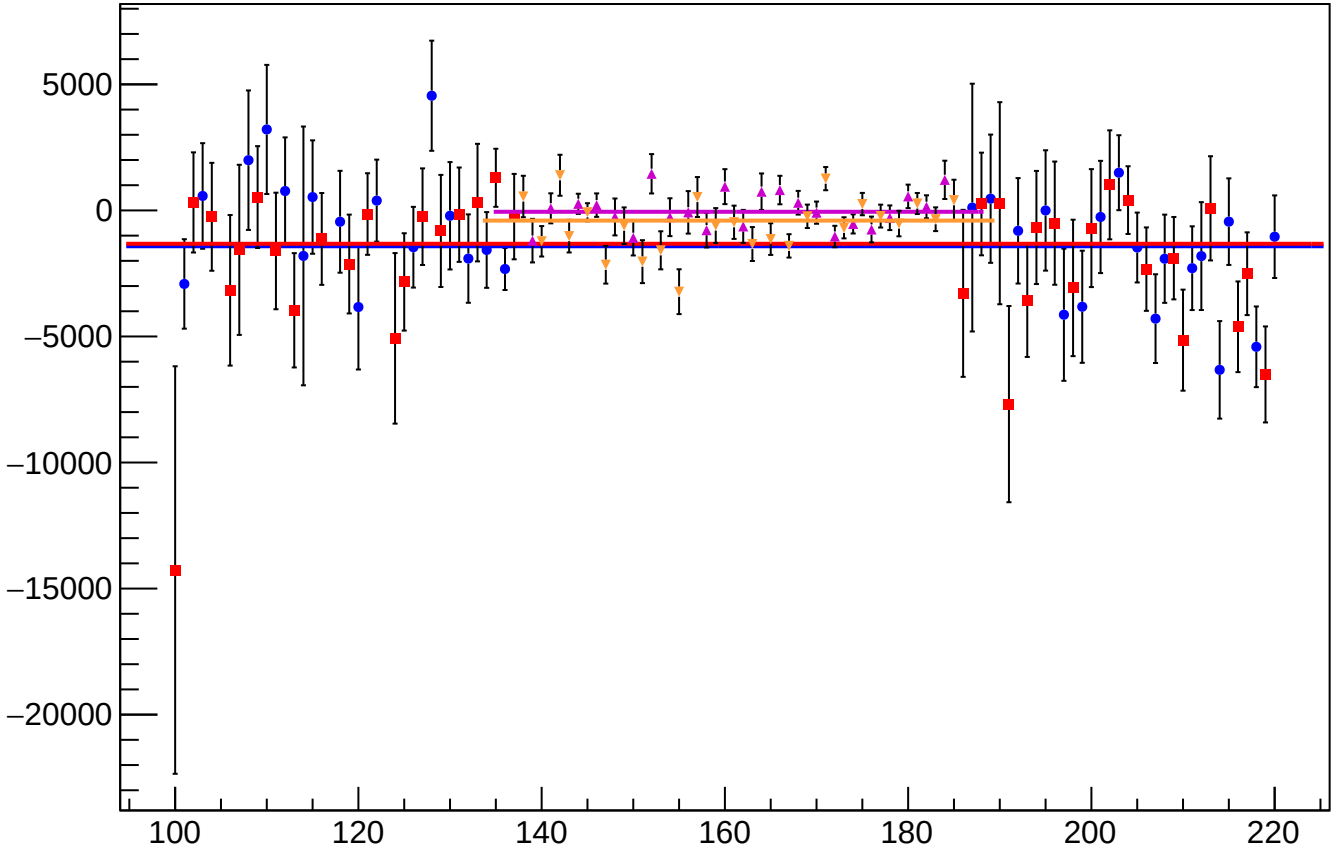
Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 90.274+/-0.011 χ^2/NDF: 9806246.7/57

All: 90.881+/-0.008 χ^2/NDF: 20946094.4/117

- sign 91.531+/-0.011 χ^2/NDF: 11133380.1/59

asym_sam_3726_avg_dit_correction_mean vs Slug



Right In: -1421.238+/-319.029 χ^2/NDF: 43.2/32

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -1323.769+/-334.213 χ^2/NDF: 39.6/36

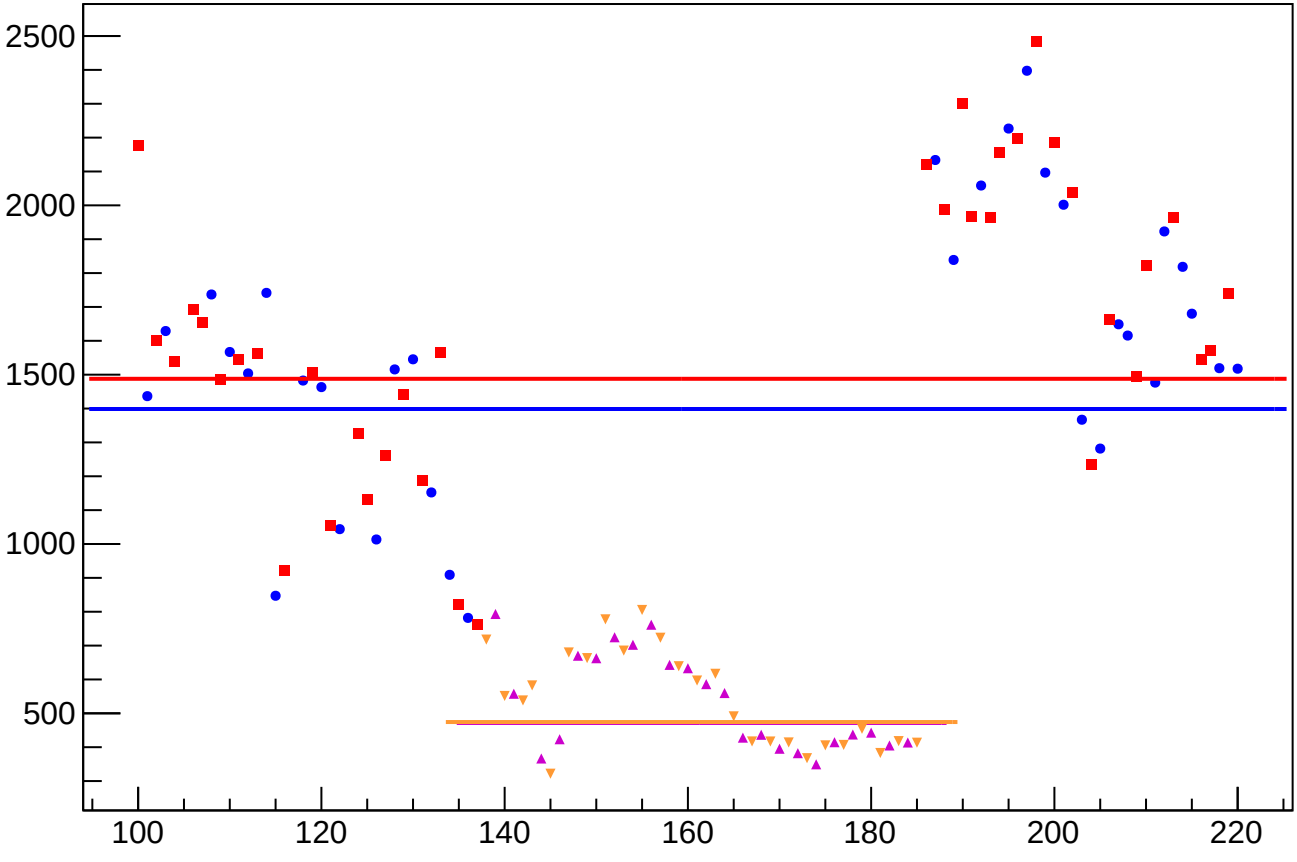
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -514.656+/-105.486 χ^2/NDF: 113.0/57

All: -354.803+/-75.492 χ^2/NDF: 201.0/117

- sign -186.976+/-108.085 χ^2/NDF: 83.2/59

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1398.651+/-0.226 χ^2/NDF: 3337393.6/32

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1487.817+/-0.236 χ^2/NDF: 3185737.0/36

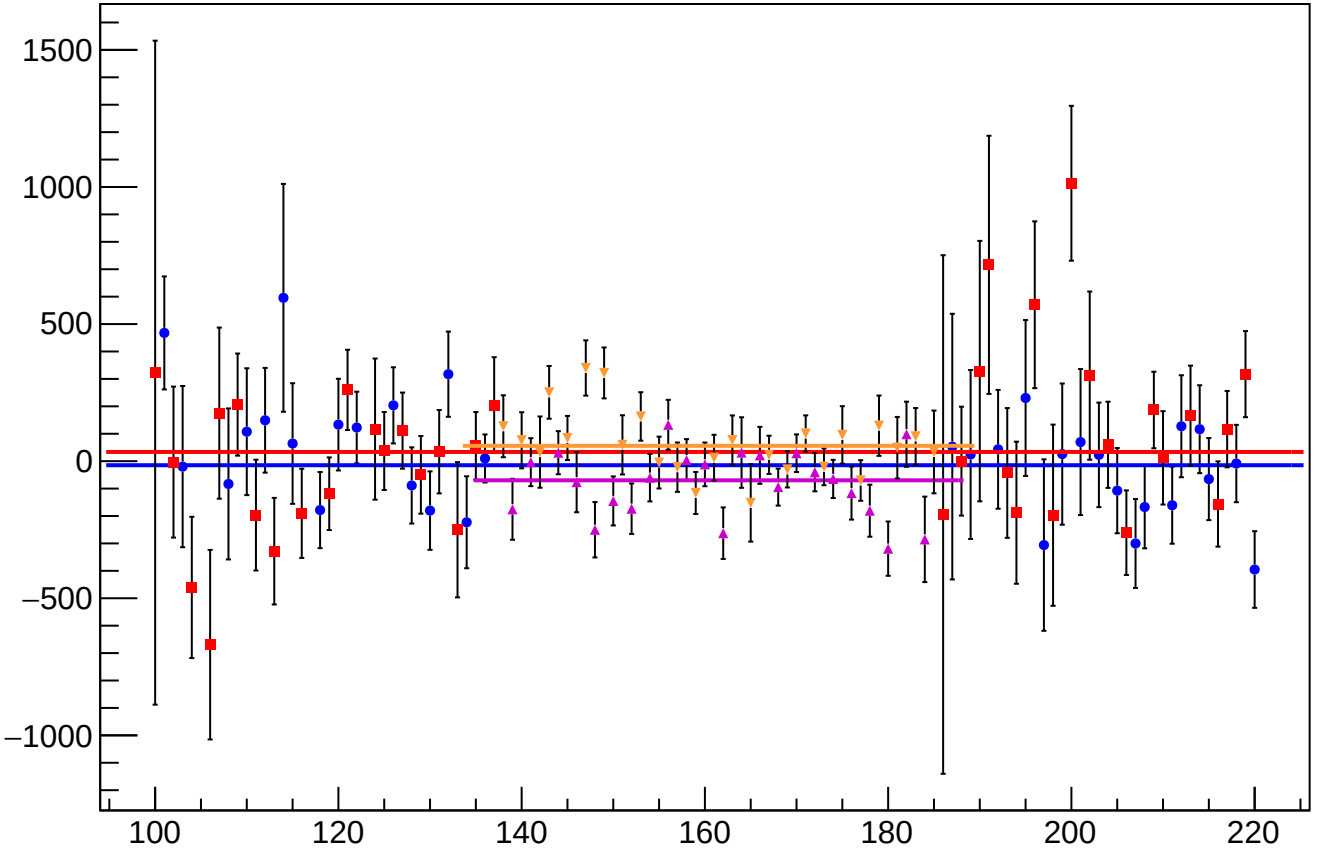
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 575.352+/-0.075 χ^2/NDF: 20830695.2/57

All: 576.525+/-0.053 χ^2/NDF: 42787889.9/11

- sign 577.756+/-0.076 χ^2/NDF: 21956687.9/59

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: -14.797+/-29.747 χ^2/NDF: 38.6/32

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 33.633+/-31.062 χ^2/NDF: 52.8/36

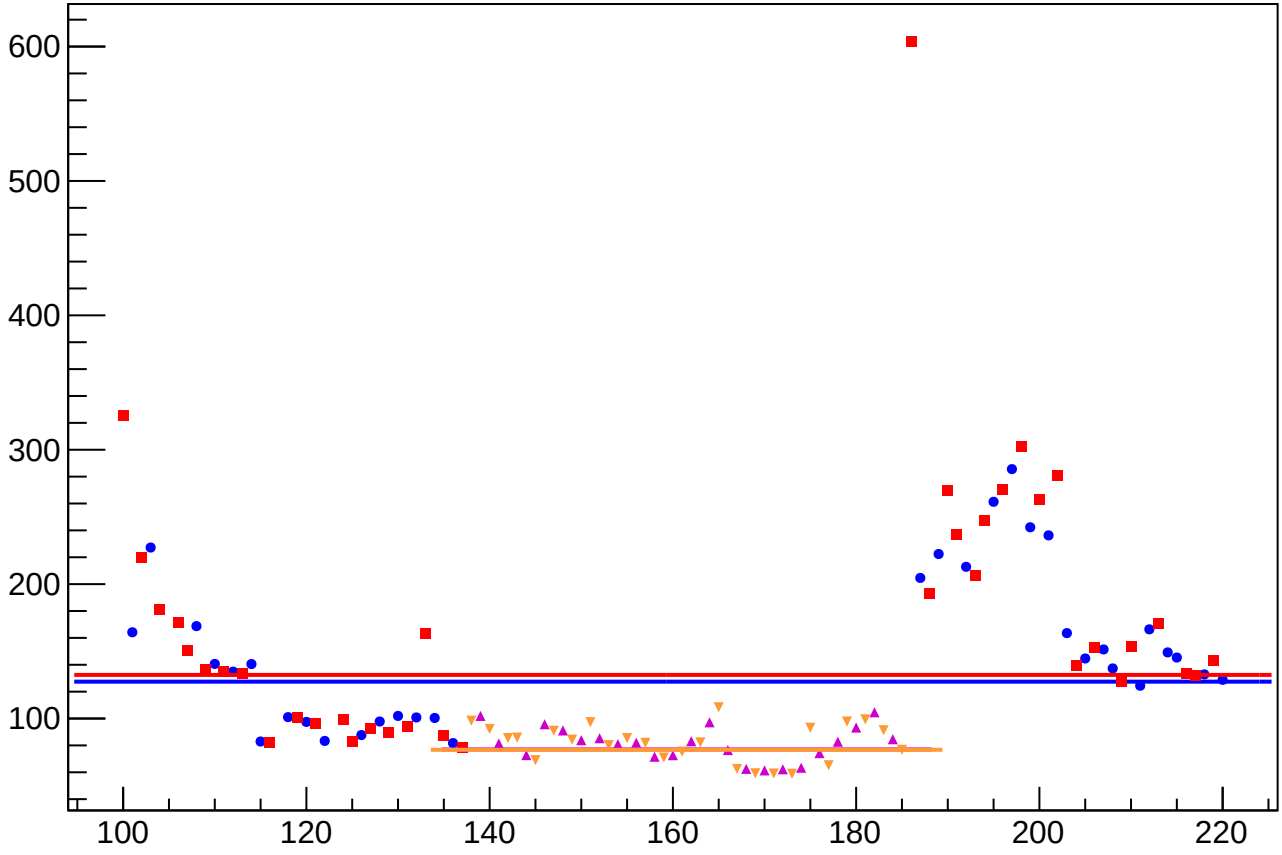
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 37.065+/-15.368 χ^2/NDF: 81.1/57

All: -1.508+/-11.048 χ^2/NDF: 189.7/117

- sign -42.756+/-15.892 χ^2/NDF: 95.6/59

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 127.436+/-0.021 χ^2/NDF: 4313823.9/32

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

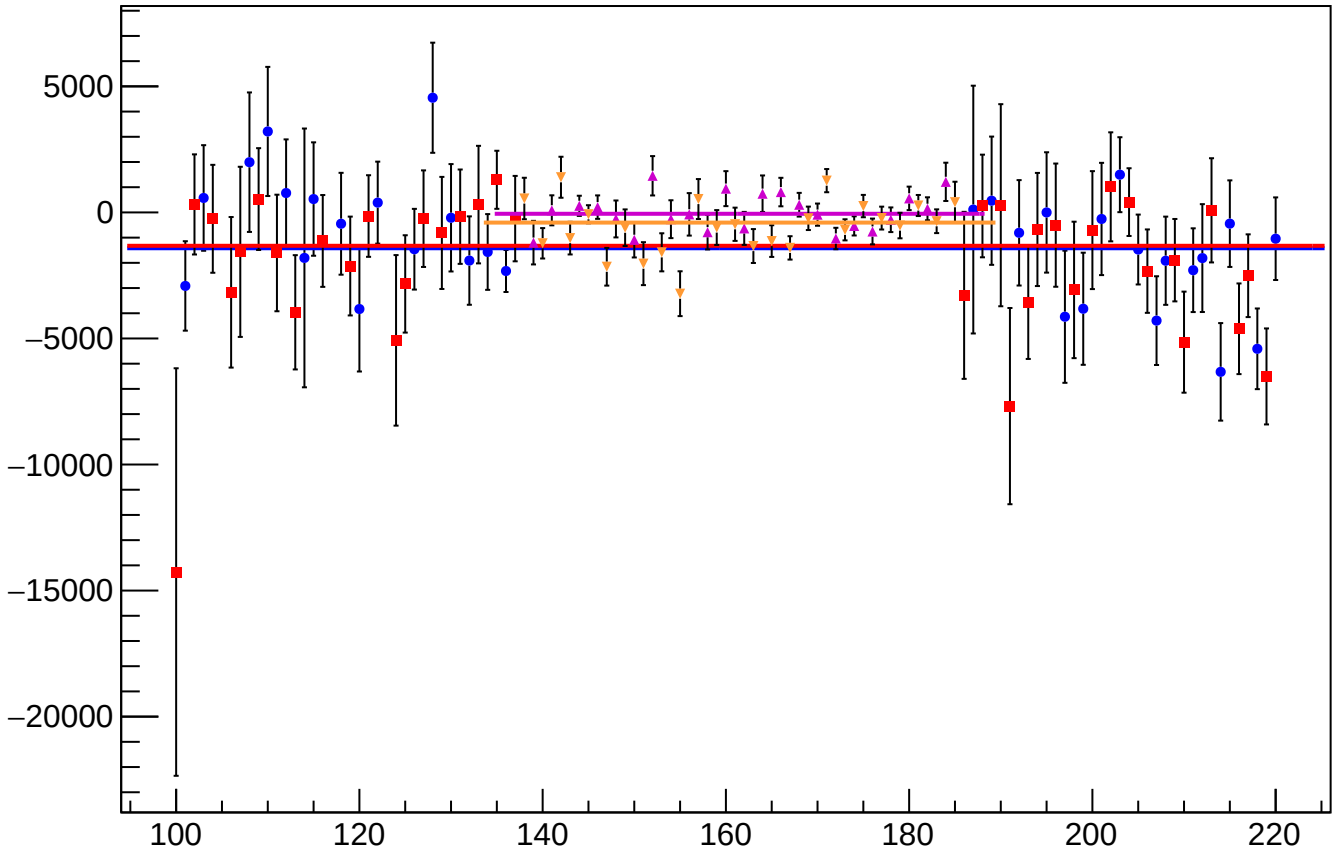
Right Out: 132.460+/-0.022 χ^2/NDF: 5570732.2/36

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 90.274+/-0.011 χ^2/NDF: 9806186.0/57

All: 90.882+/-0.008 χ^2/NDF: 20945966.5/117

- sign 91.531+/-0.011 χ^2/NDF: 11133312.5/59



Right In: -1421.235+/-319.029 χ^2/NDF: 43.2/32

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -1323.768+/-334.212 χ^2/NDF: 39.6/36

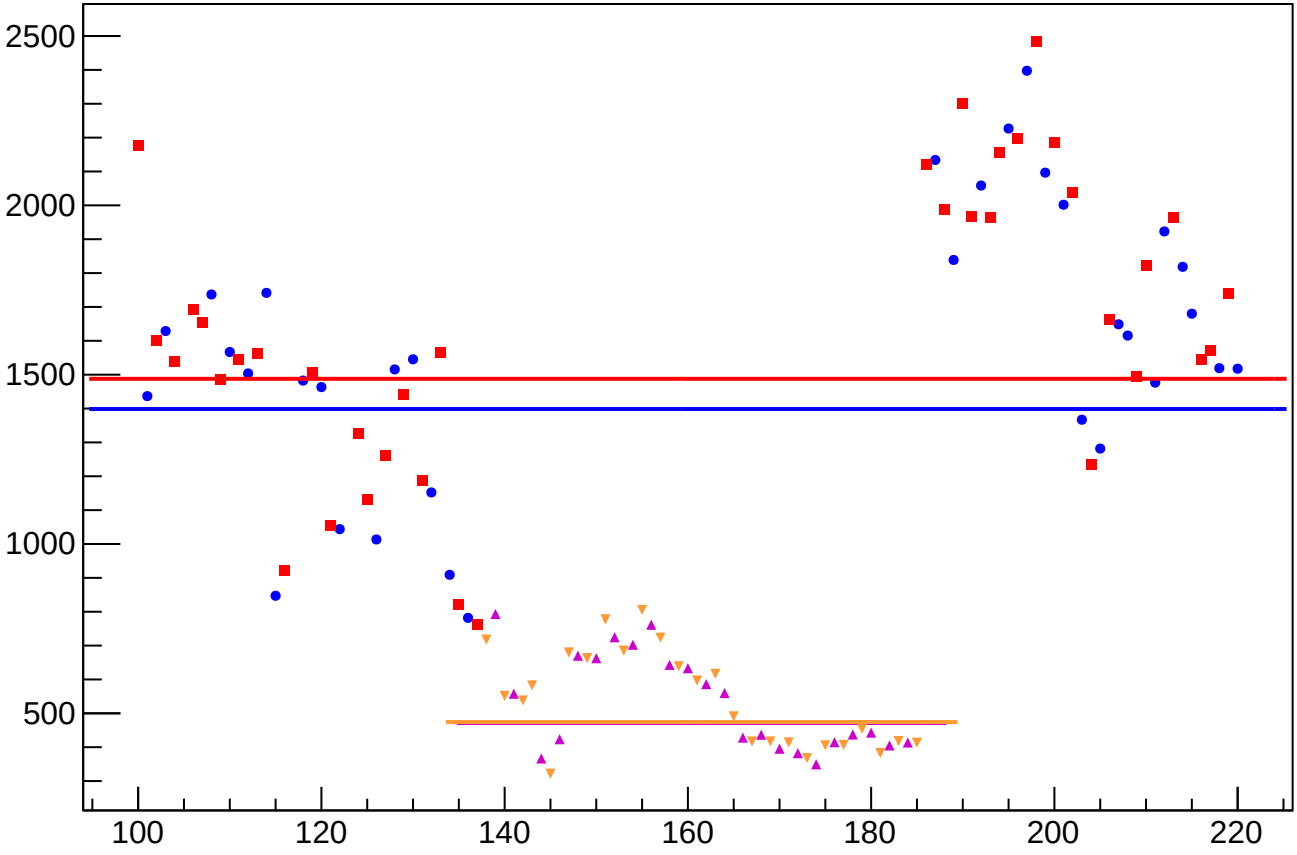
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

+ sign -514.656+/-105.486 χ^2/NDF: 113.0/57

All: -354.802+/-75.492 χ^2/NDF: 201.0/117

- sign -186.976+/-108.085 χ^2/NDF: 83.2/59

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1398.650+/-0.226 χ^2/NDF: 3337385.9/32

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1487.816+/-0.236 χ^2/NDF: 3185733.6/36

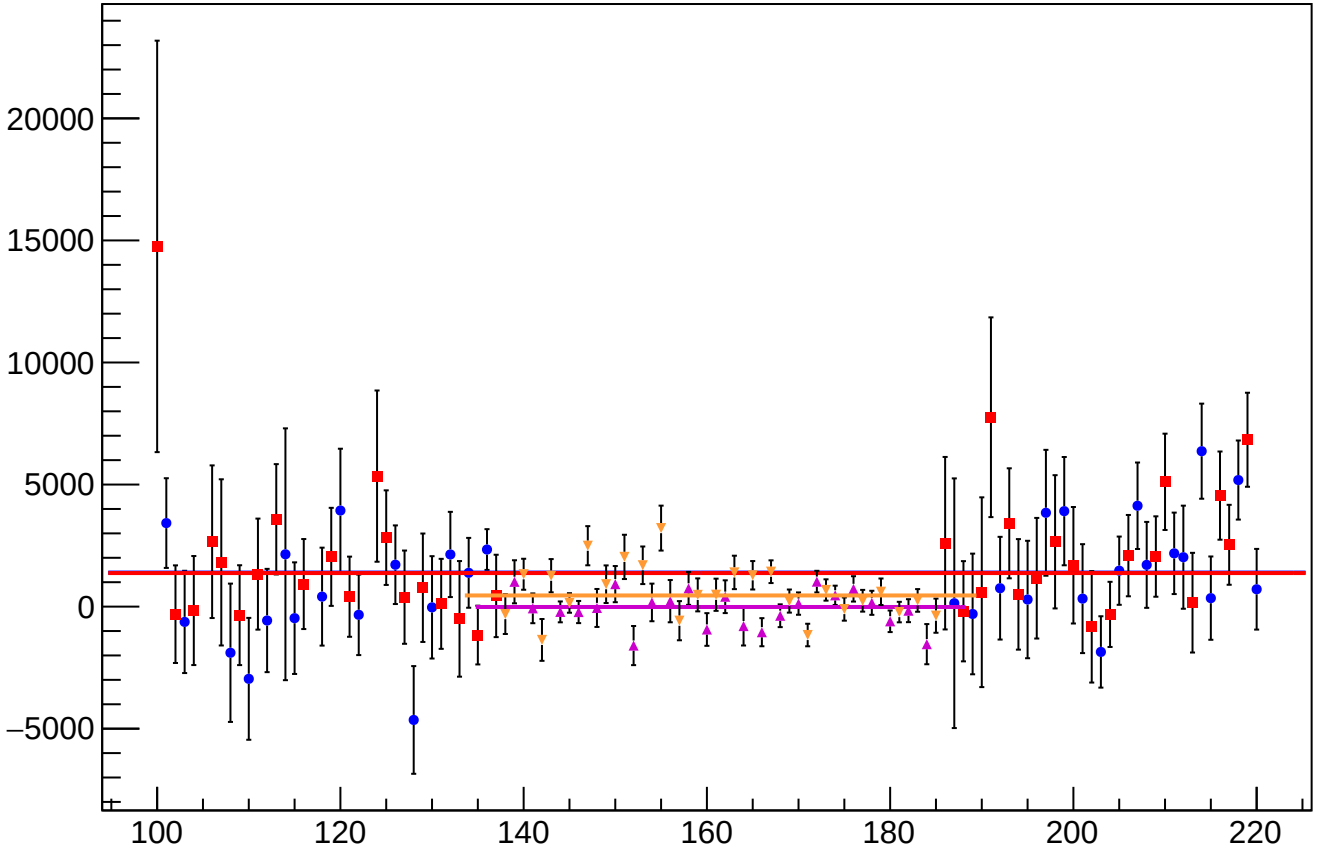
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 575.352+/-0.075 χ^2/NDF: 20830694.6/57

All: 576.525+/-0.053 χ^2/NDF: 42787874.2/11

- sign 577.756+/-0.076 χ^2/NDF: 21956672.9/59

asym_sam_3726_avg_mean vs Slug



Right In: 1394.379+/-319.132 χ^2/NDF: 43.4/32

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 1374.589+/-337.641 χ^2/NDF: 37.0/36

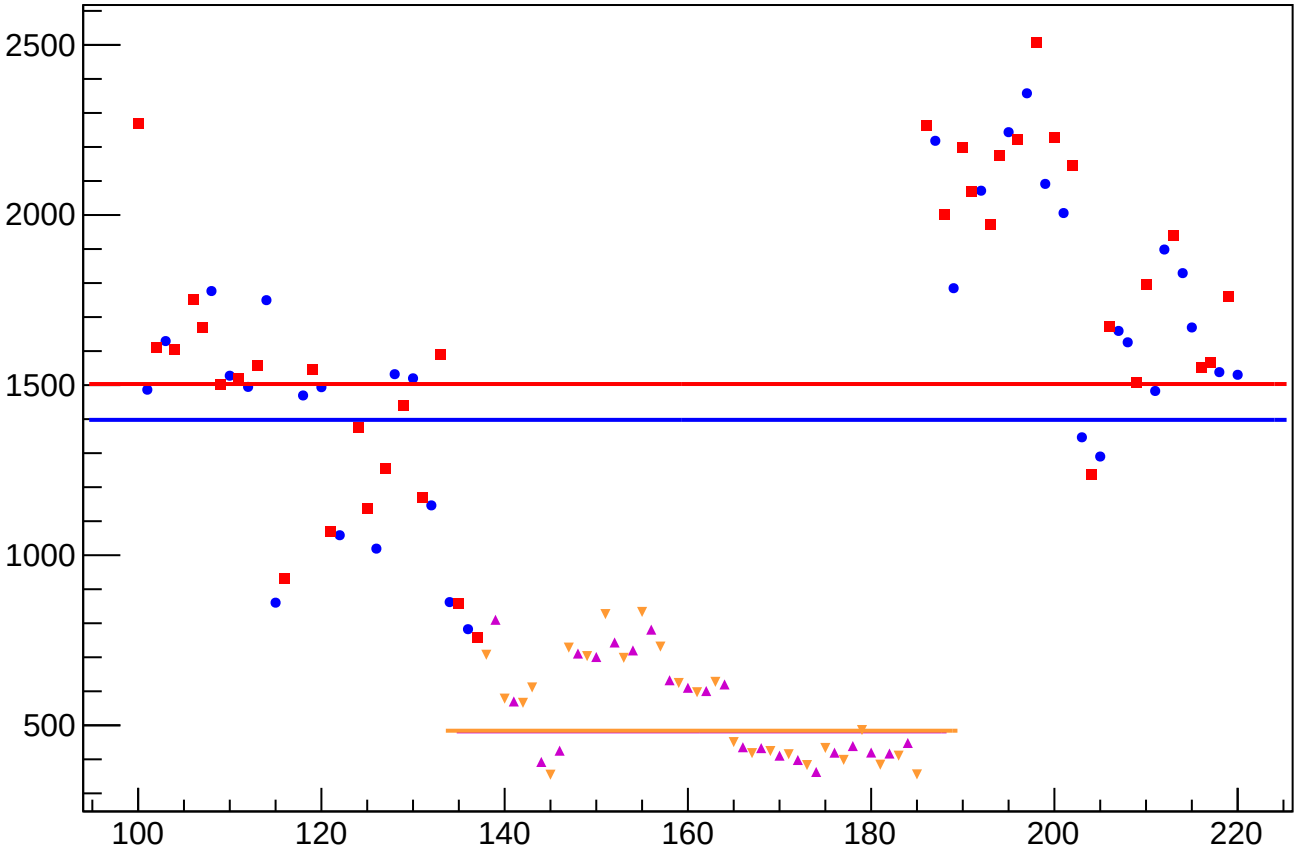
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 563.912+/-107.649 χ^2/NDF: 110.4/57

All: 353.795+/-77.039 χ^2/NDF: 200.6/117

- sign 133.210+/-110.298 χ^2/NDF: 82.4/59

asym_sam_3726_avg_rms vs Slug



Right In: 1397.854+/-0.226 χ^2/NDF: 3377066.7/32

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

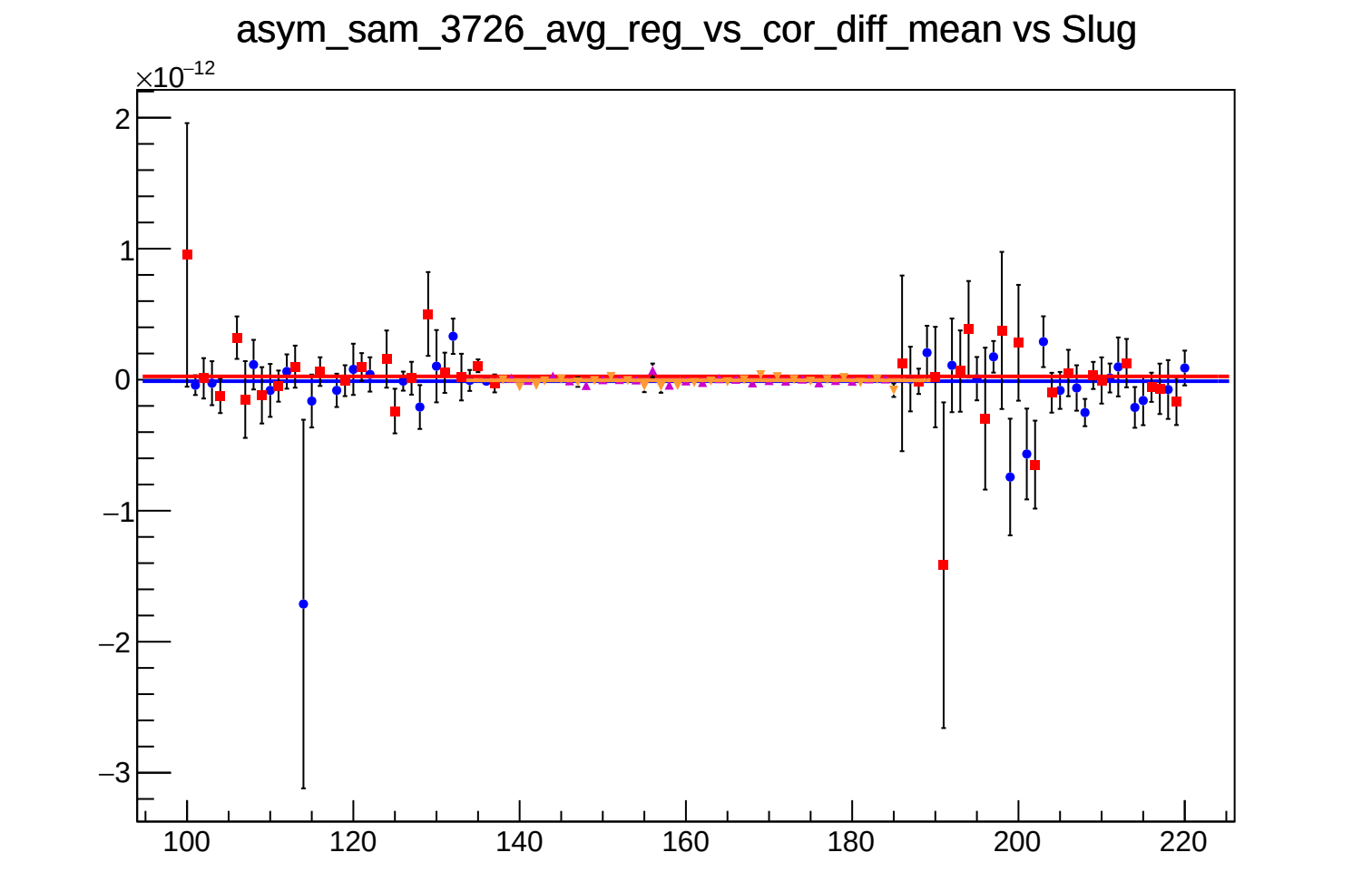
Right Out: 1503.225+/-0.239 χ^2/NDF: 3153572.1/36

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

+ sign 588.096+/-0.076 χ^2/NDF: 20455414.6/57

All: 589.572+/-0.054 χ^2/NDF: 42135067.8/11

- sign 591.123+/-0.078 χ^2/NDF: 21678881.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 31.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 26.4/36

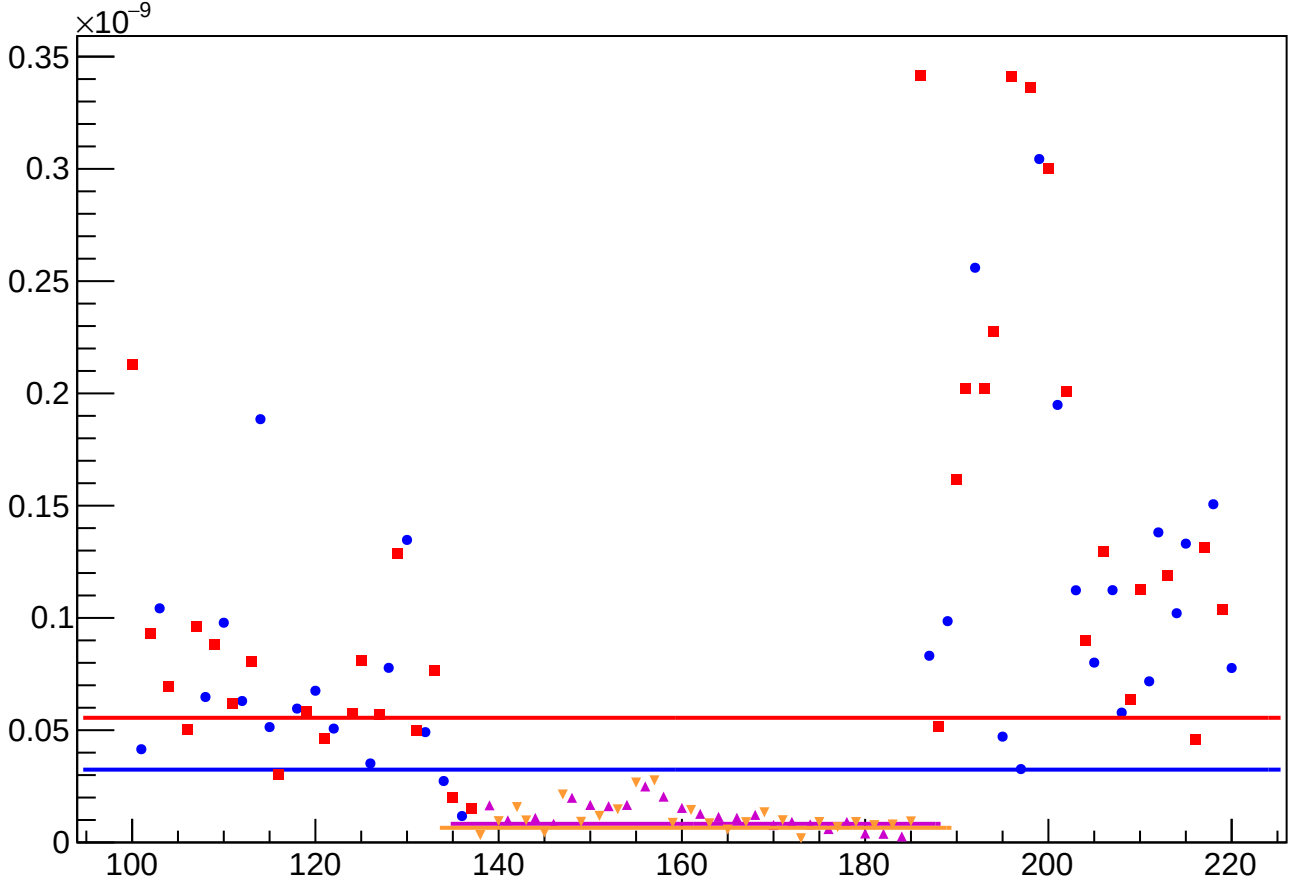
Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.1/57

All: -0.000+/-0.000 χ^2/NDF: 106.3/117

- sign -0.000+/-0.000 χ^2/NDF: 43.0/59

asym_sam_3726_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9344451.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7180253.9/36

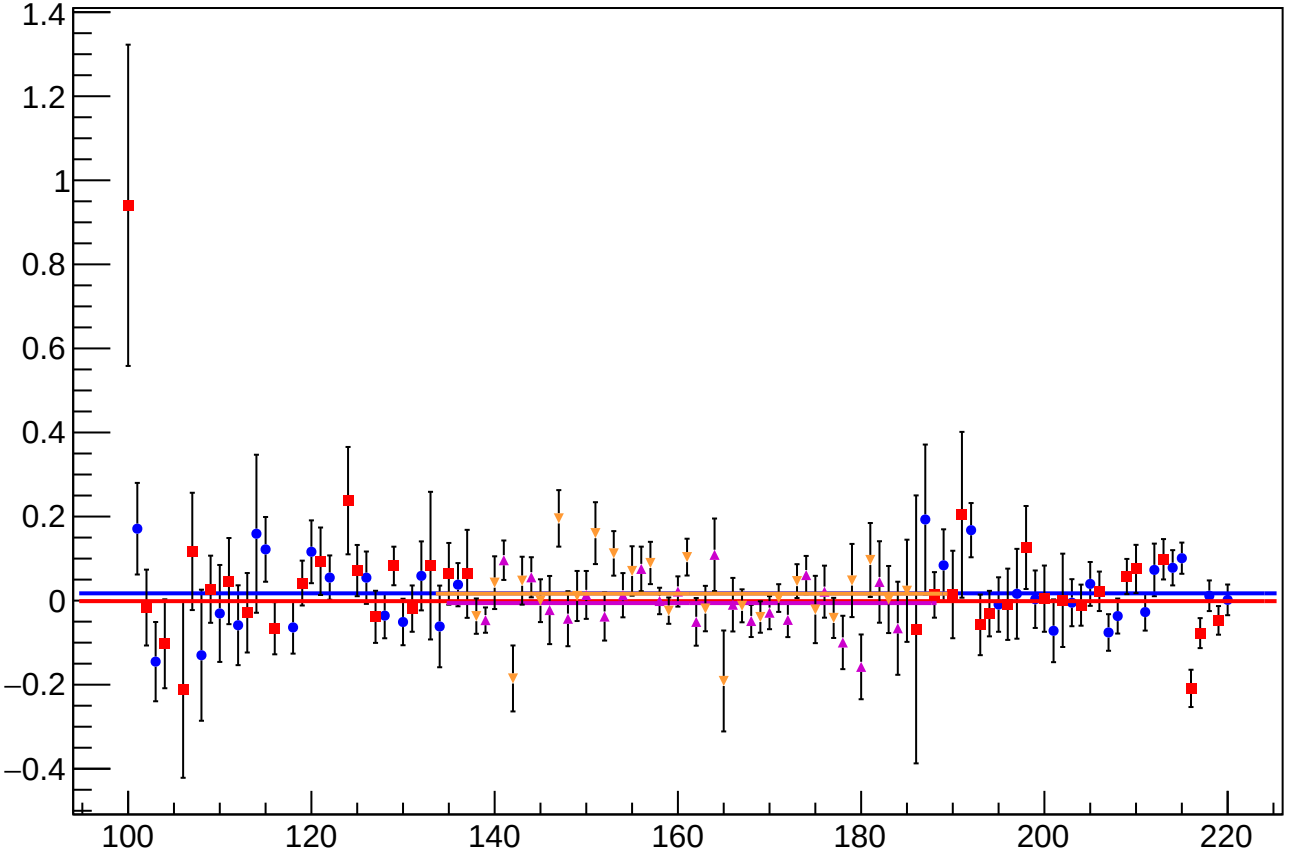
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 18166793.0/57

All: 0.000+/-0.000 χ^2/NDF: 36693471.5/117

- sign 0.000+/-0.000 χ^2/NDF: 18177334.8/59

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.010 χ^2/NDF: 41.4/32

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: -0.001+/-0.011 χ^2/NDF: 62.8/36

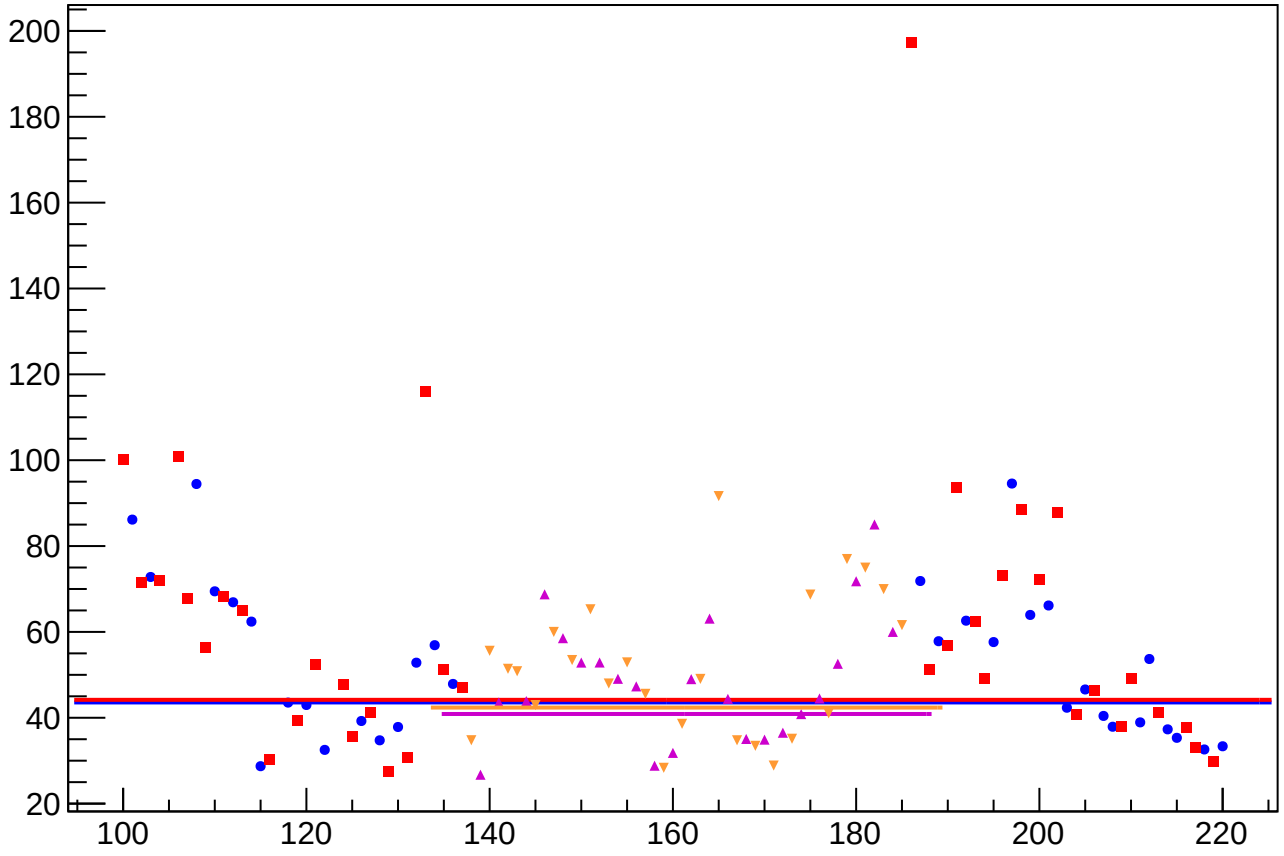
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.007 χ^2/NDF: 82.5/57

All: 0.007+/-0.005 χ^2/NDF: 175.3/117

- sign -0.004+/-0.007 χ^2/NDF: 88.9/59

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 43.569+/-0.007 χ^2/NDF: 3077041.5/32

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

Right Out: 44.177+/-0.007 χ^2/NDF: 4403698.7/36

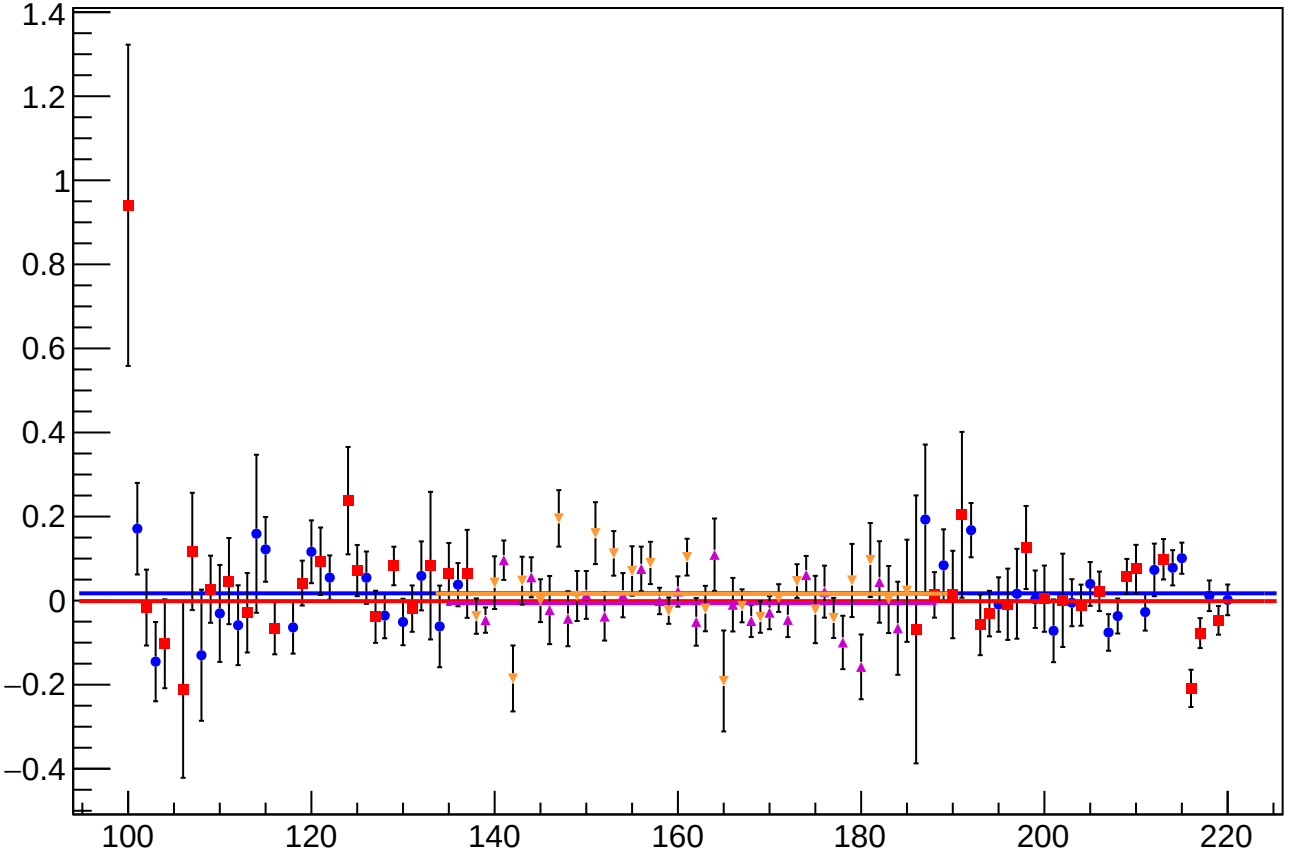
Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 42.976+/-0.005 χ^2/NDF: 6281430.2/57

All: 42.732+/-0.004 χ^2/NDF: 13467901.2/117

- sign 42.483+/-0.005 χ^2/NDF: 7181947.2/59

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.010 χ^2/NDF: 41.4/32

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

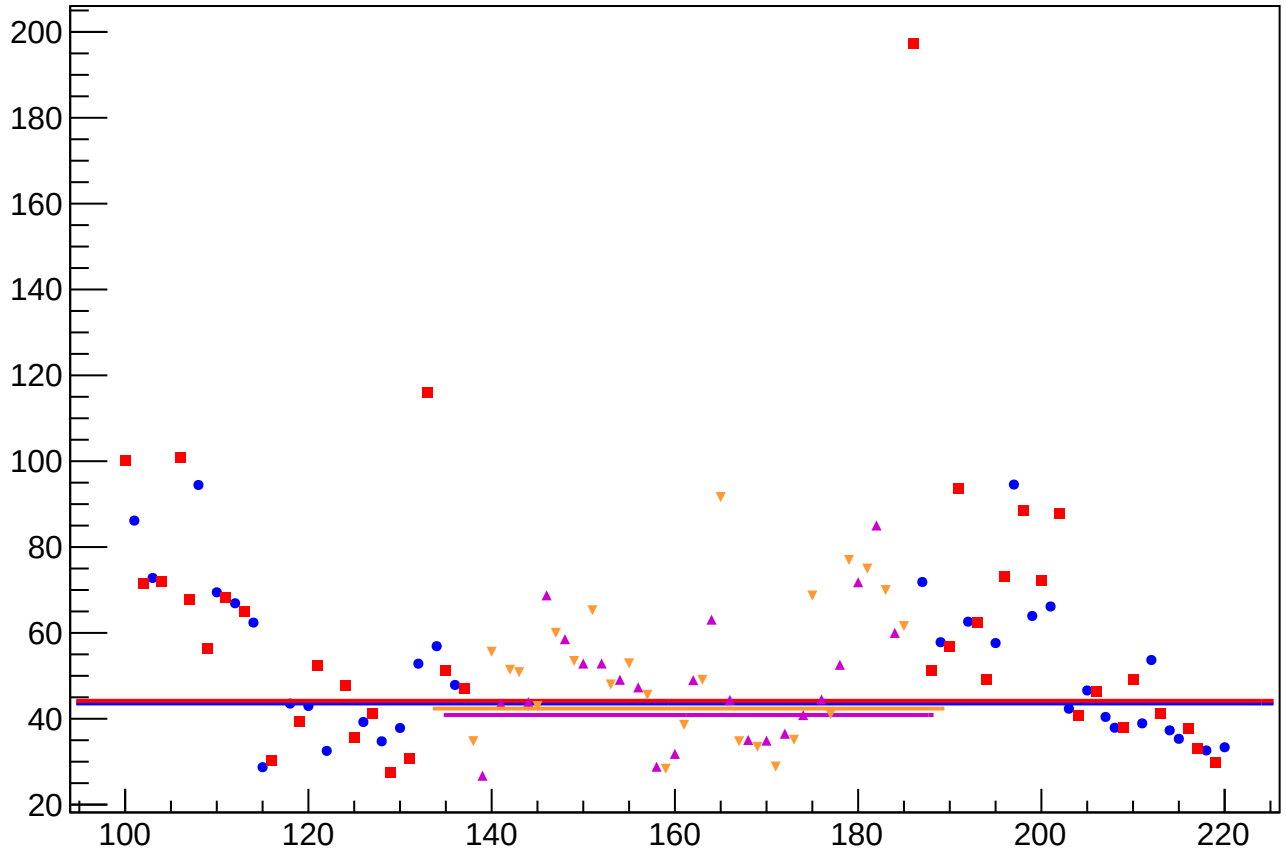
Right Out: -0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.007 χ^2/NDF: 82.5/57

All: 0.007+/-0.005 χ^2/NDF: 175.3/117

- sign -0.004+/-0.007 χ^2/NDF: 88.9/59



Right In: 43.569+/-0.007 χ^2/NDF: 3077041.5/32

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

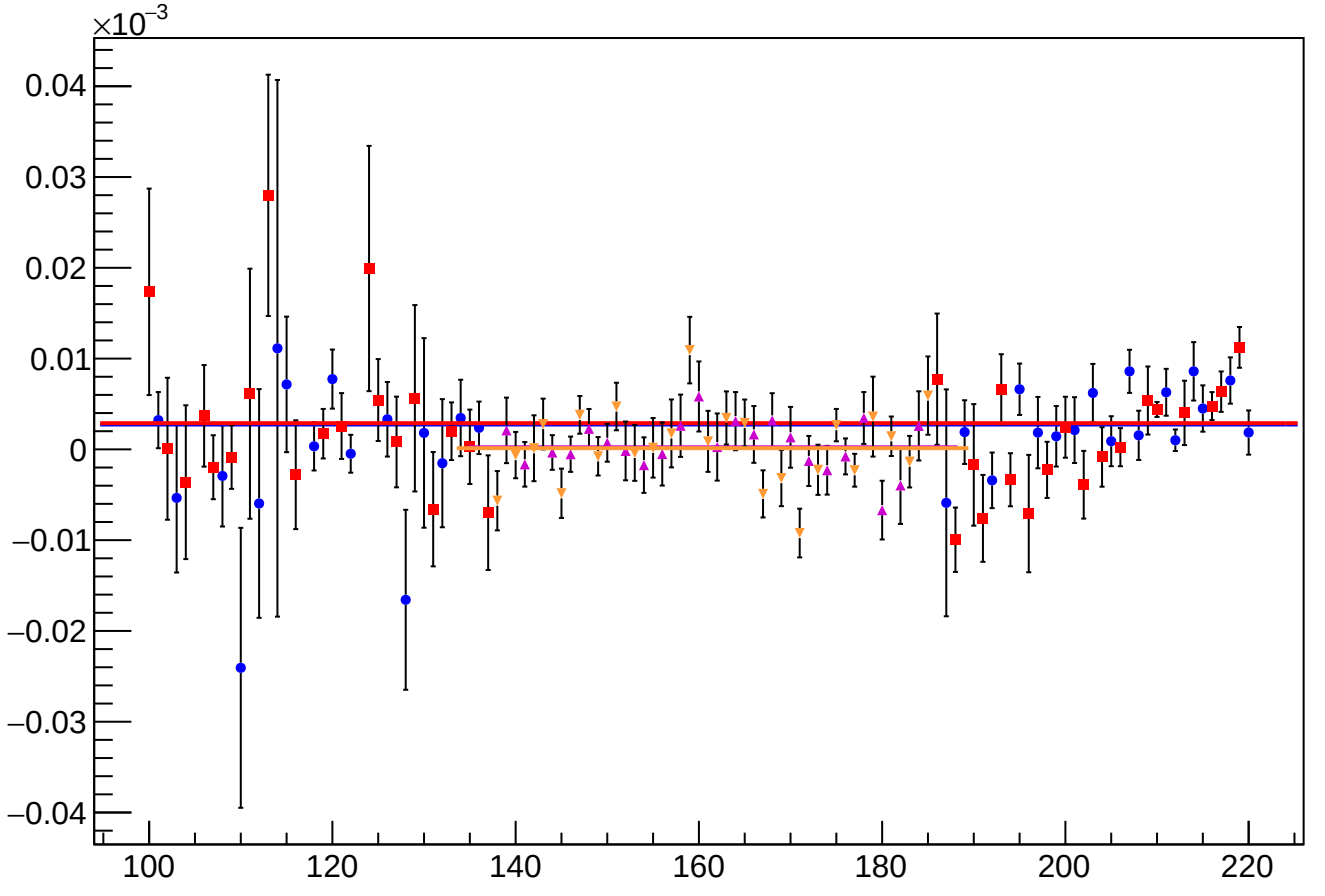
Right Out: 44.177+/-0.007 χ^2/NDF: 4403698.7/36

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 42.976+/-0.005 χ^2/NDF: 6281430.2/57

All: 42.732+/-0.004 χ^2/NDF: 13467901.2/117

- sign 42.483+/-0.005 χ^2/NDF: 7181947.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 41.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

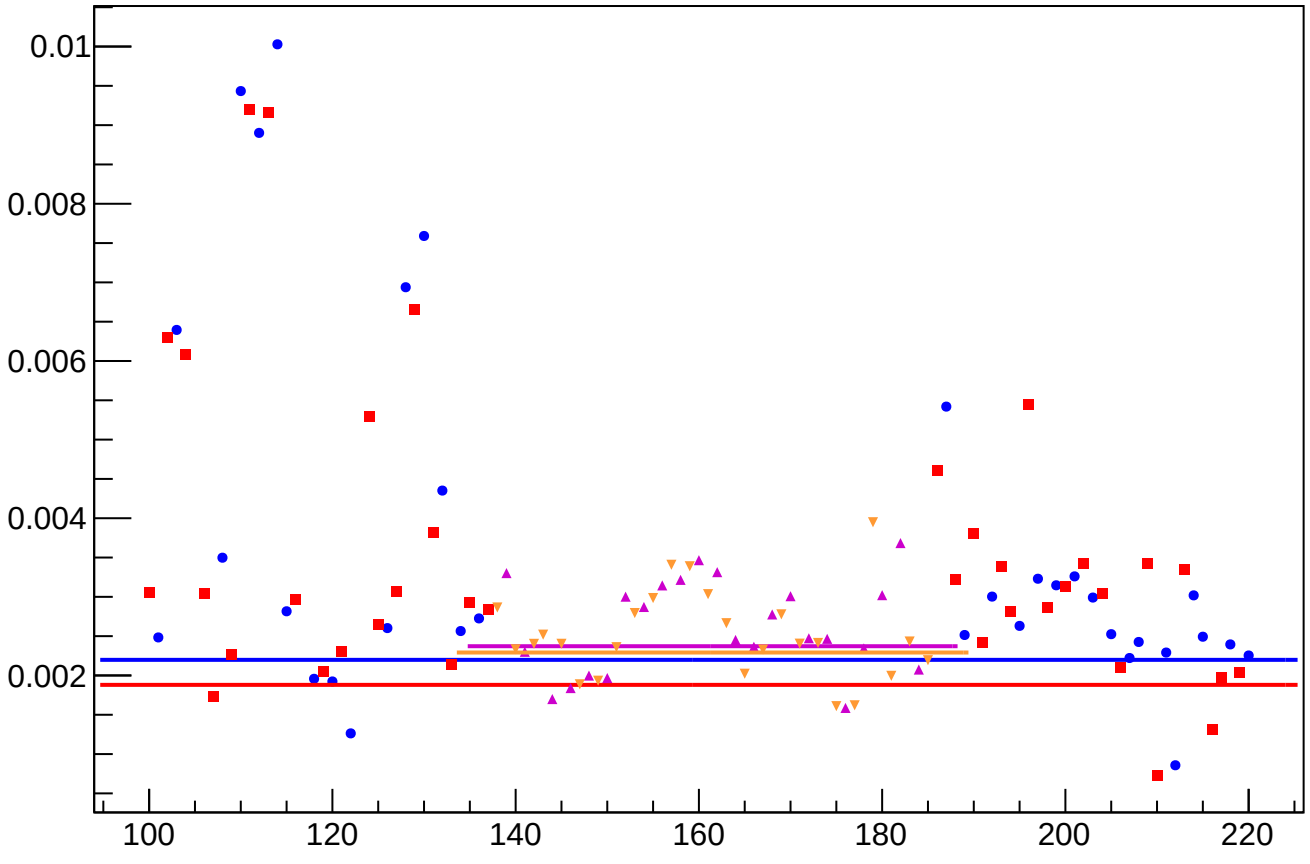
Right Out: 0.000+/-0.000 χ^2/NDF: 74.8/36

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 103.6/57

All: 0.000+/-0.000 χ^2/NDF: 207.0/117

- sign 0.000+/-0.000 χ^2/NDF: 103.0/59



Right In: 0.002+/-0.000 χ^2/NDF: 7215250.8/32

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

Right Out: 0.002+/-0.000 χ^2/NDF: 11554085.0/36

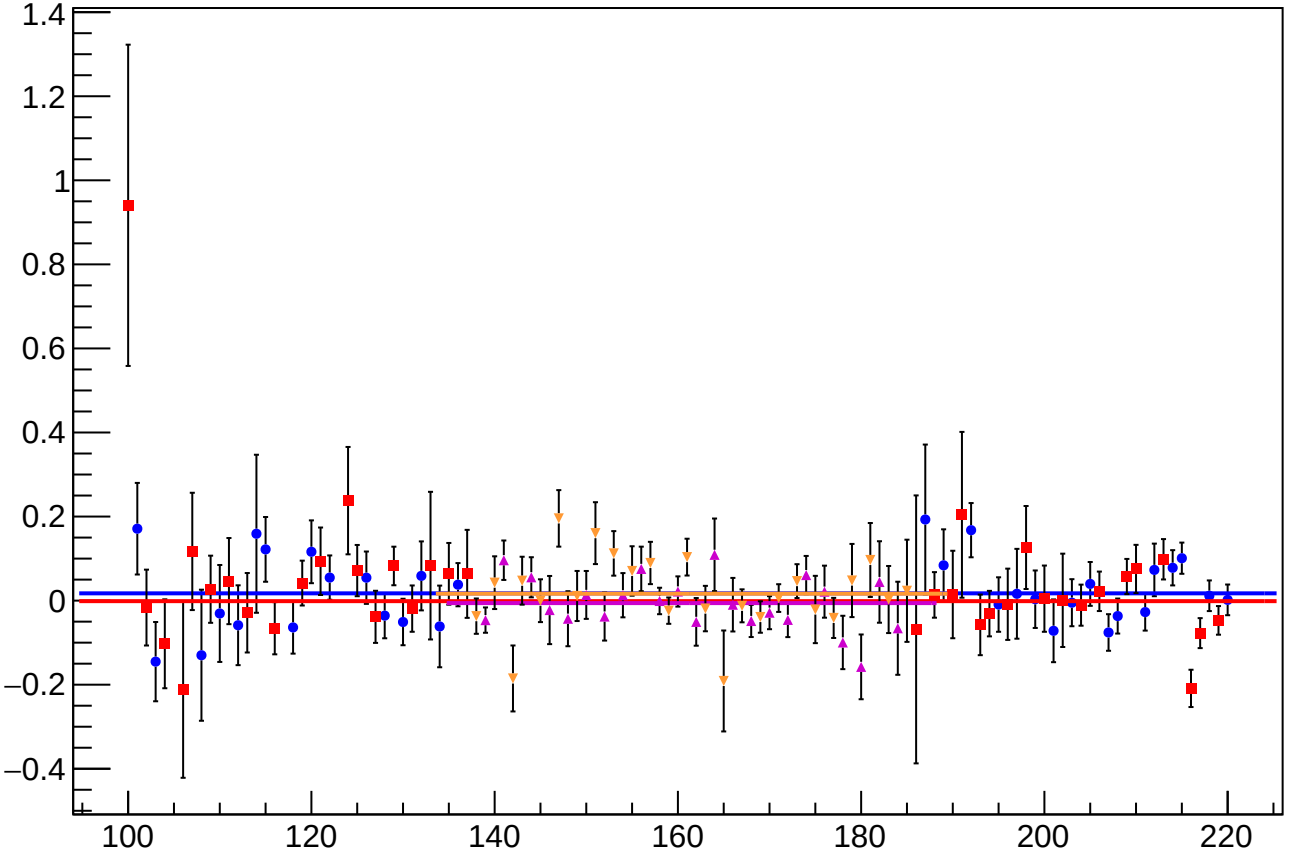
Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 9064190.0/57

All: 0.002+/-0.000 χ^2/NDF: 23667276.3/117

- sign 0.002+/-0.000 χ^2/NDF: 14421432.1/59

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.017+/-0.010 χ^2/NDF: 41.4/32

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

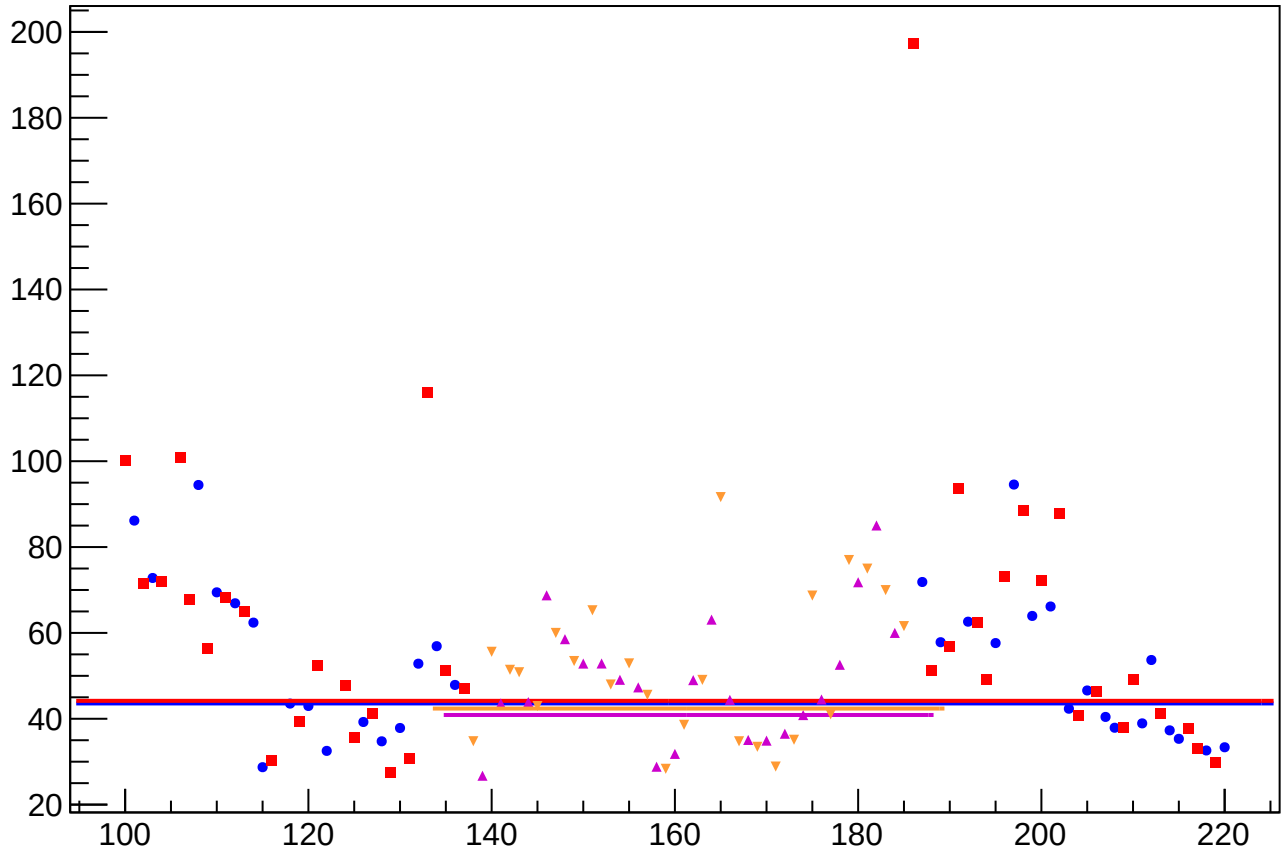
Right Out: -0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.007 χ^2/NDF: 82.5/57

All: 0.007+/-0.005 χ^2/NDF: 175.3/117

- sign -0.004+/-0.007 χ^2/NDF: 88.9/59



Right In: 43.570+/-0.007 χ^2/NDF: 3076971.7/32

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

Right Out: 44.177+/-0.007 χ^2/NDF: 4403649.2/36

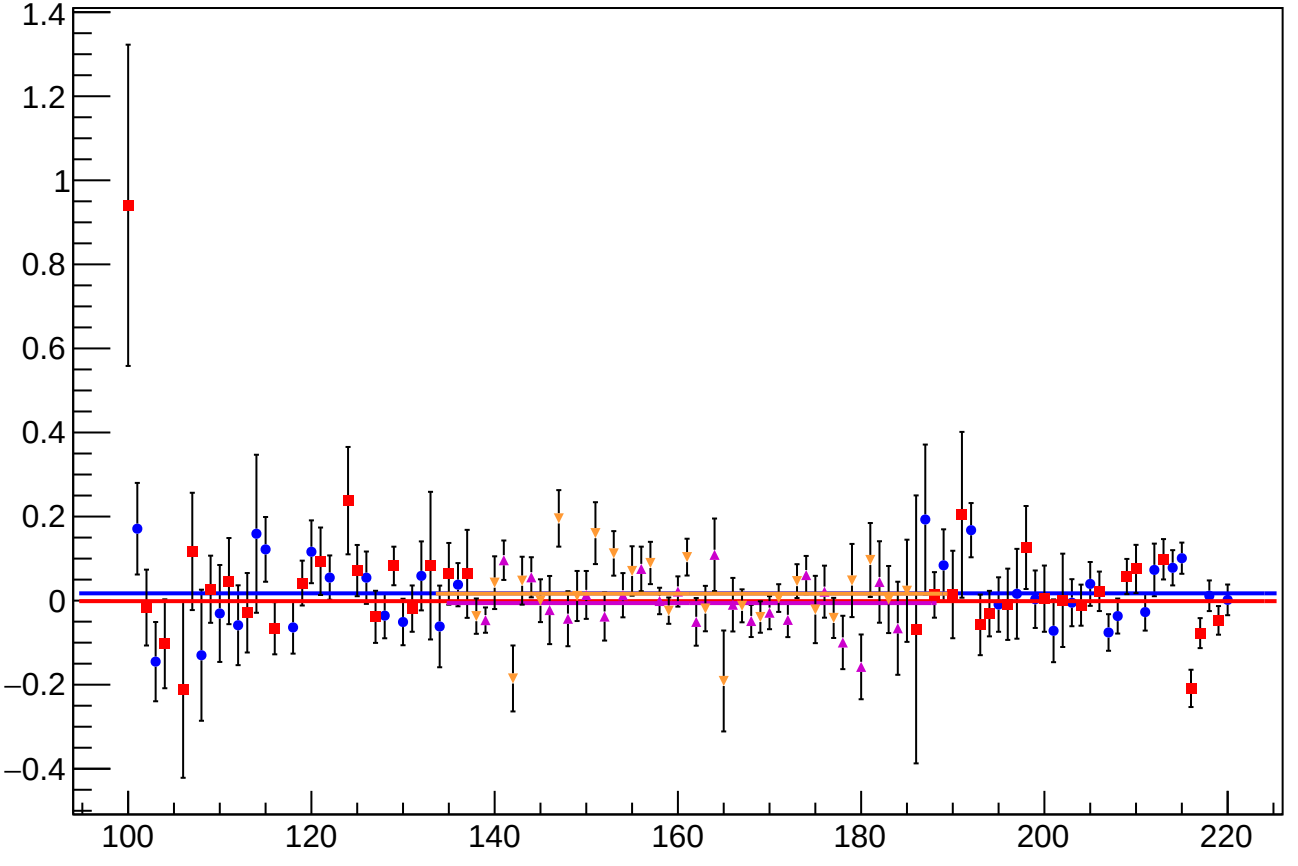
Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 42.976+/-0.005 χ^2/NDF: 6281382.9/57

All: 42.733+/-0.004 χ^2/NDF: 13467798.8/117

- sign 42.483+/-0.005 χ^2/NDF: 7181892.1/59

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.017+/-0.010 χ^2/NDF: 41.4/32

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

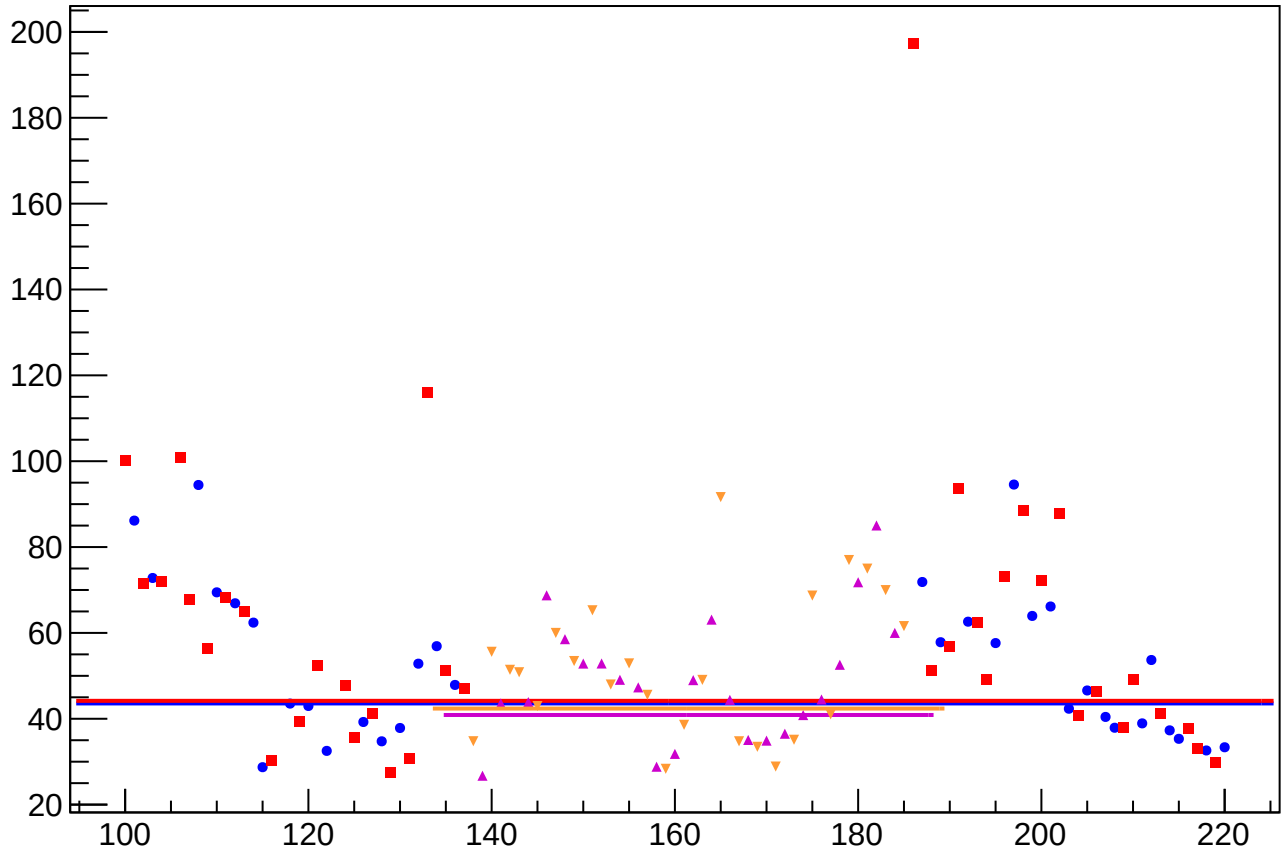
Right Out: -0.001+/-0.011 χ^2/NDF: 62.8/36

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.007 χ^2/NDF: 82.5/57

All: 0.007+/-0.005 χ^2/NDF: 175.3/117

- sign -0.004+/-0.007 χ^2/NDF: 88.9/59



Right In: 43.570+/-0.007 χ^2/NDF: 3076971.7/32

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

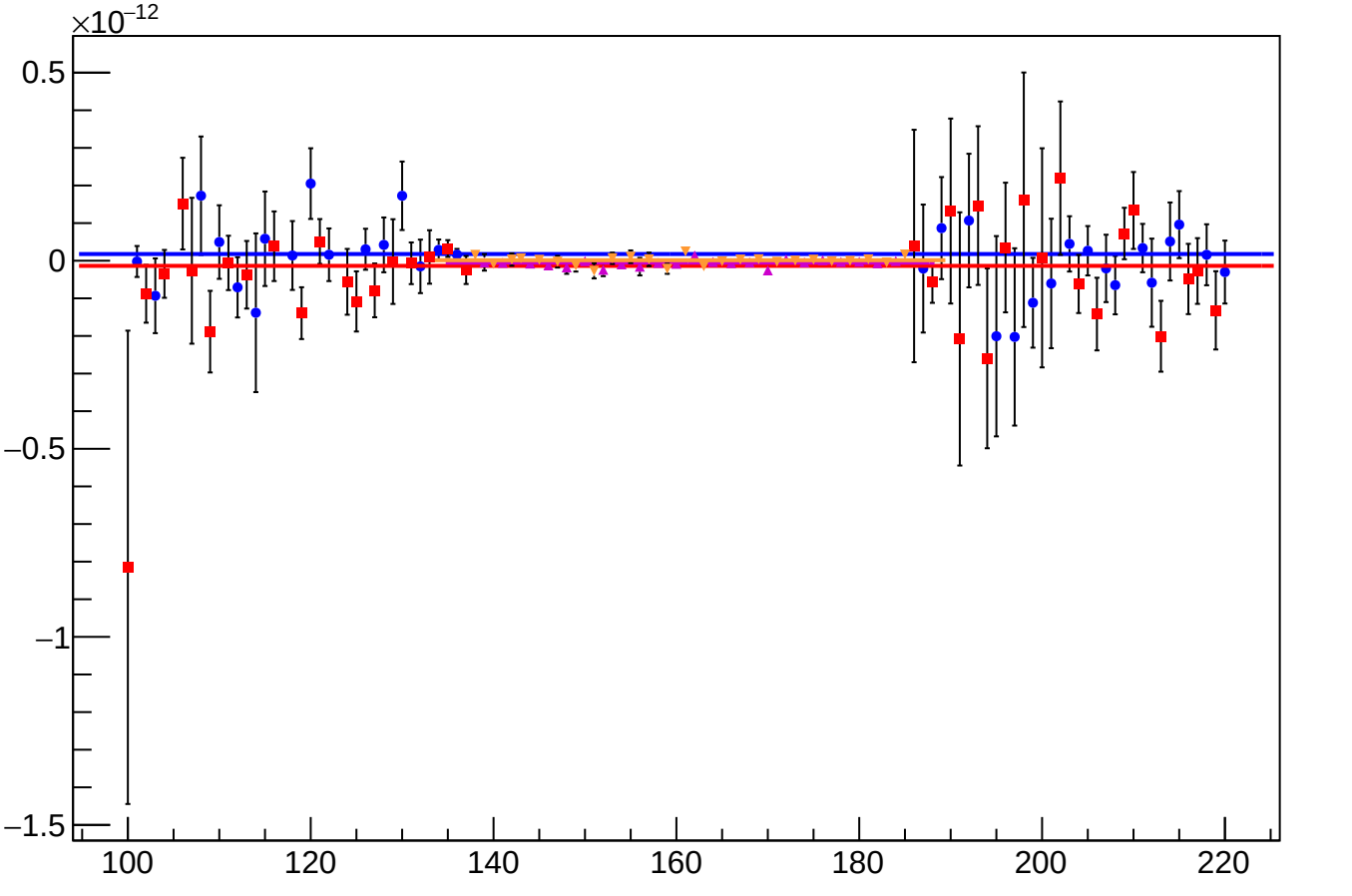
Right Out: 44.177+/-0.007 χ^2/NDF: 4403649.2/36

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 42.976+/-0.005 χ^2/NDF: 6281382.9/57

All: 42.733+/-0.004 χ^2/NDF: 13467798.8/117

- sign 42.483+/-0.005 χ^2/NDF: 7181892.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 18.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

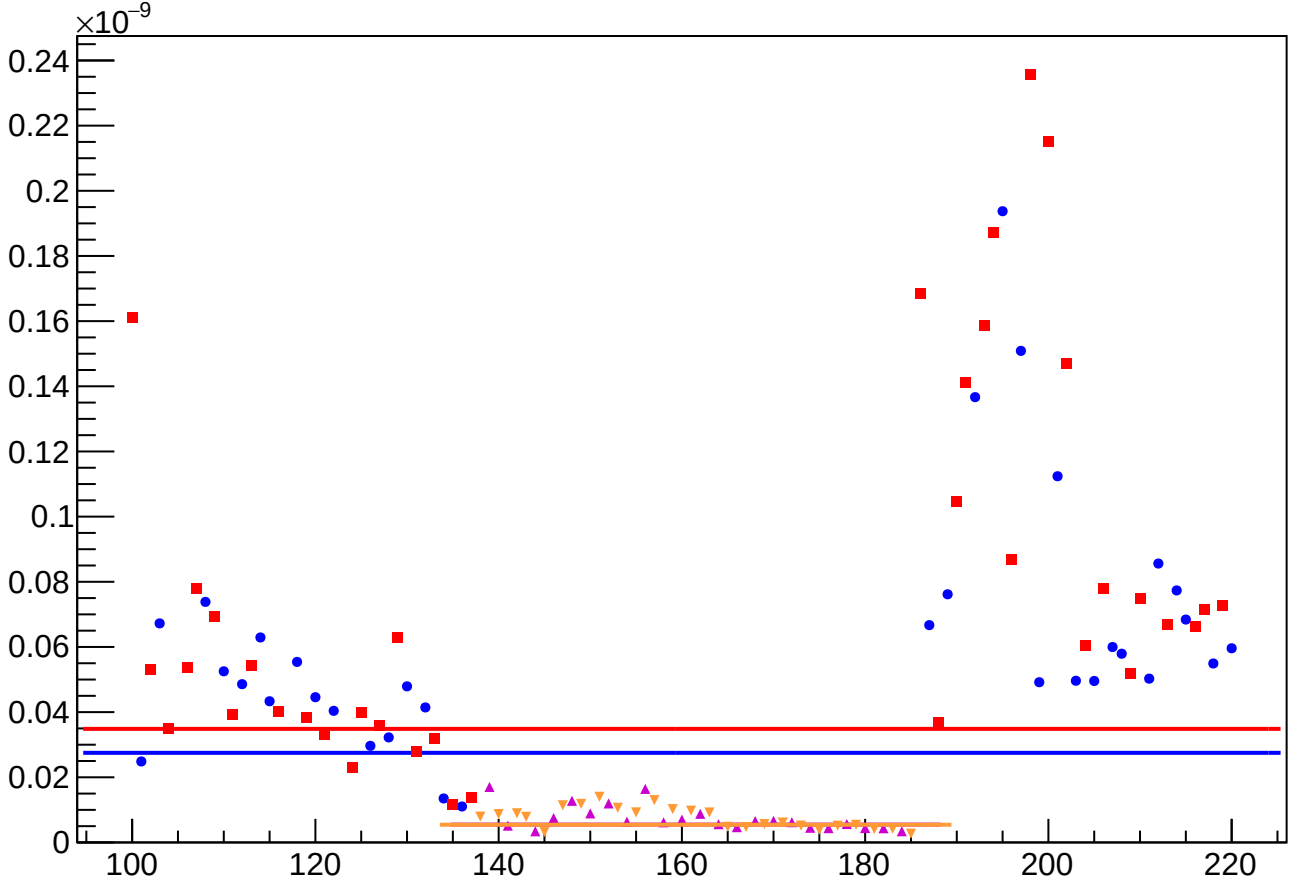
Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/36

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 40.7/57

All: -0.000+/-0.000 χ^2/NDF: 97.7/117

- sign -0.000+/-0.000 χ^2/NDF: 48.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 10356328.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10251397.7/36

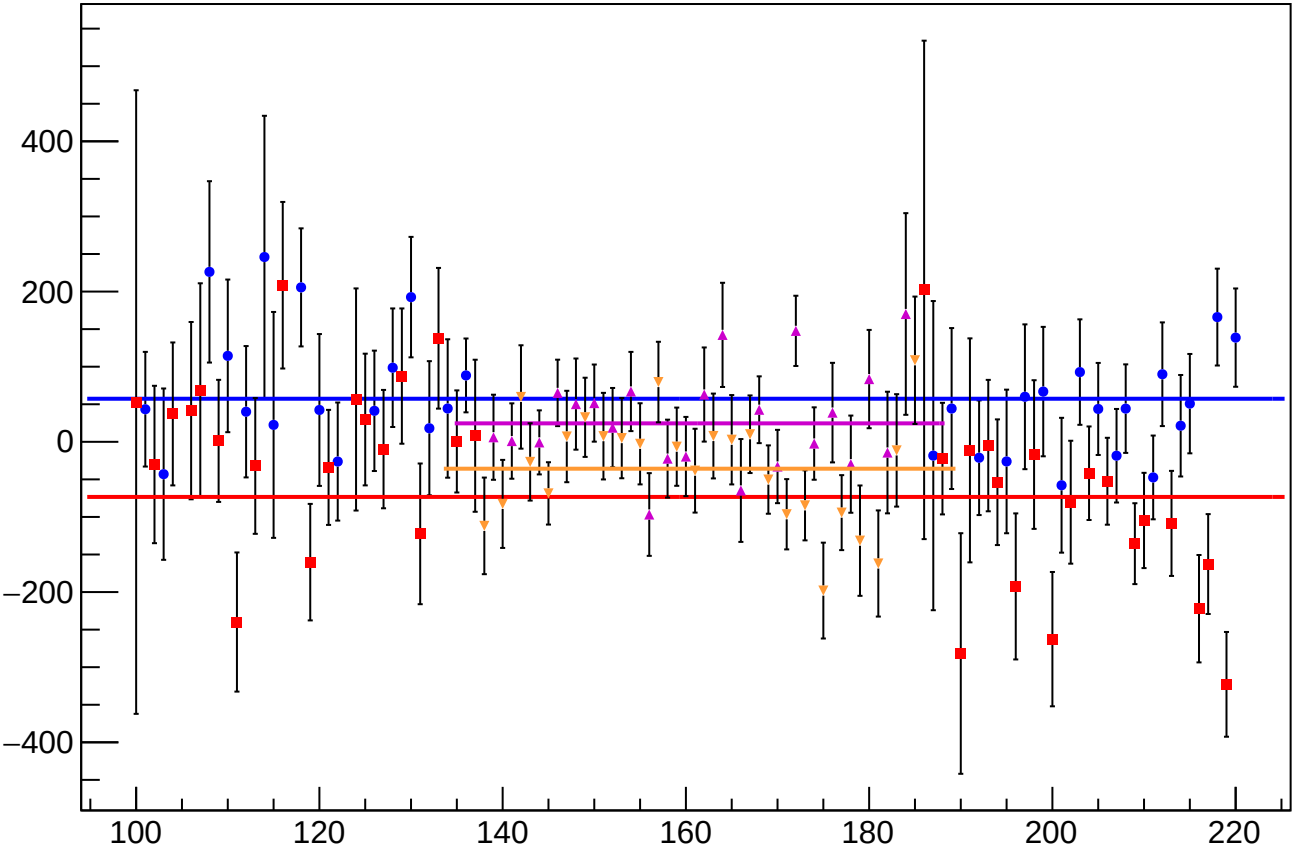
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 23408346.4/57

All: 0.000+/-0.000 χ^2/NDF: 48026462.3/117

- sign 0.000+/-0.000 χ^2/NDF: 24617744.2/59

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 57.340+/-13.613 χ^2/NDF: 26.6/32

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -73.359+/-13.930 χ^2/NDF: 60.2/36

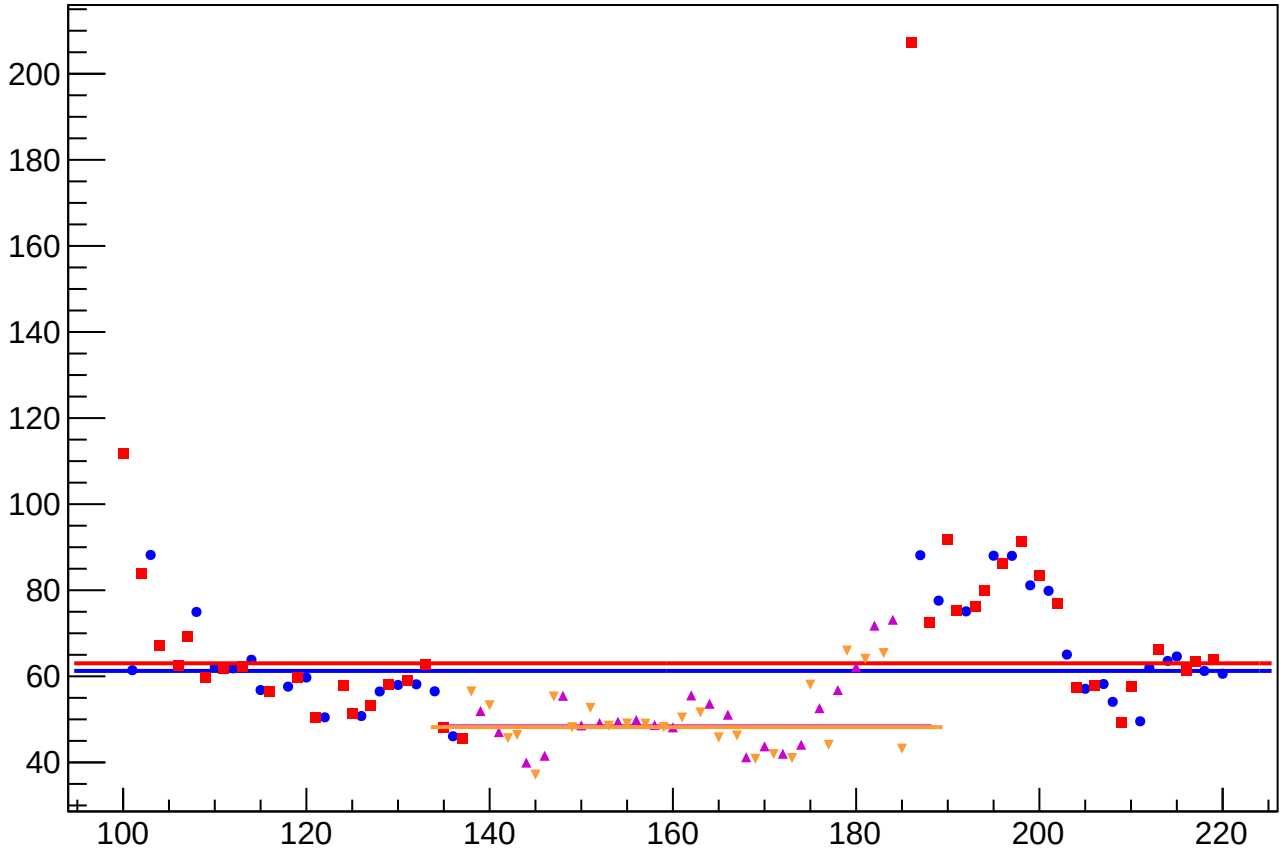
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

+ sign 1.481+/-8.612 χ^2/NDF: 88.3/57

All: -6.530+/-6.174 χ^2/NDF: 205.5/117

- sign -15.000+/-8.855 χ^2/NDF: 115.4/59

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 61.258+/-0.010 χ^2/NDF: 1221011.9/32

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

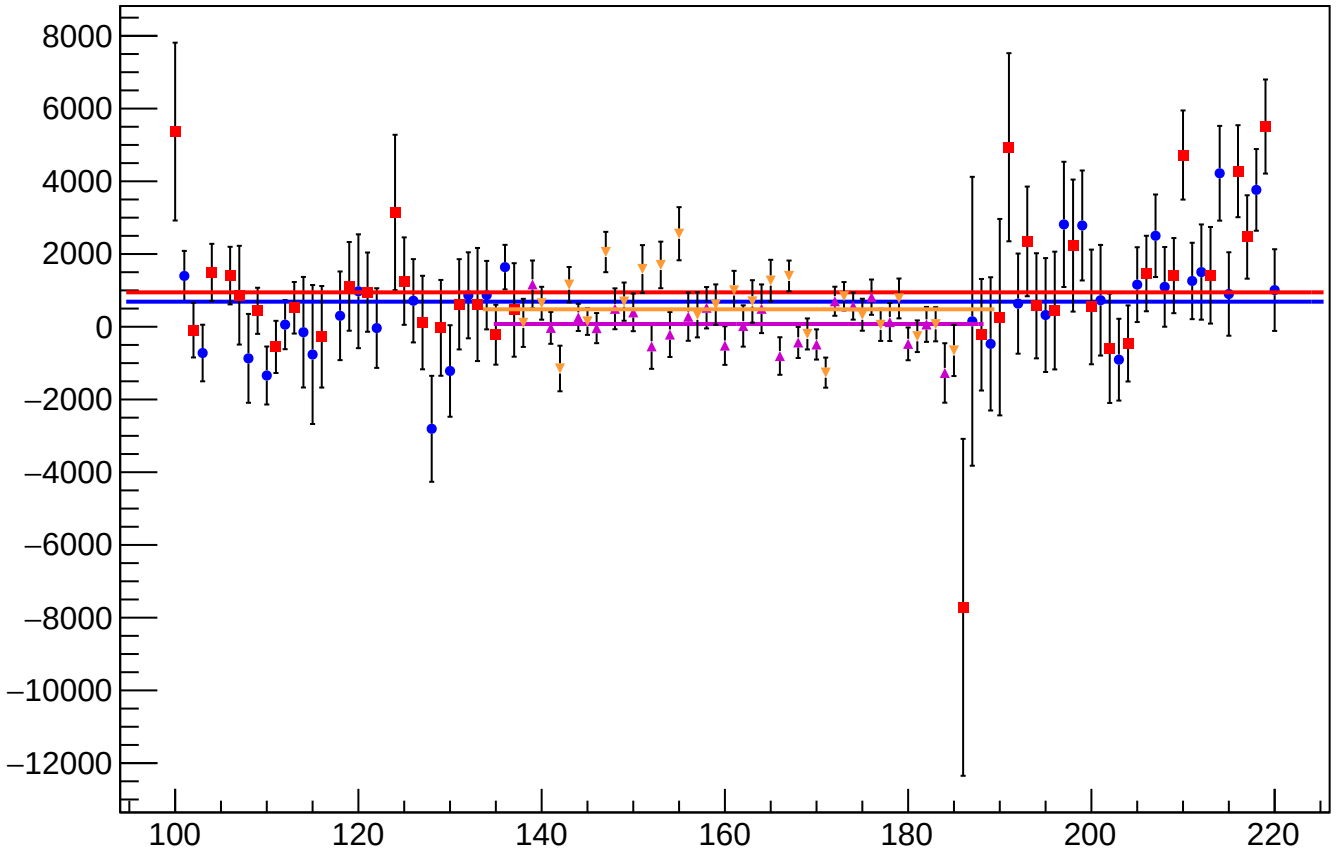
Right Out: 63.024+/-0.010 χ^2/NDF: 1654260.4/36

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 53.424+/-0.006 χ^2/NDF: 3105266.9/57

All: 53.849+/-0.004 χ^2/NDF: 6781872.8/117

- sign 54.298+/-0.006 χ^2/NDF: 3666607.8/59



Right In: 689.597+/-190.851 χ^2/NDF: 49.8/32

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 946.209+/-187.108 χ^2/NDF: 58.6/36

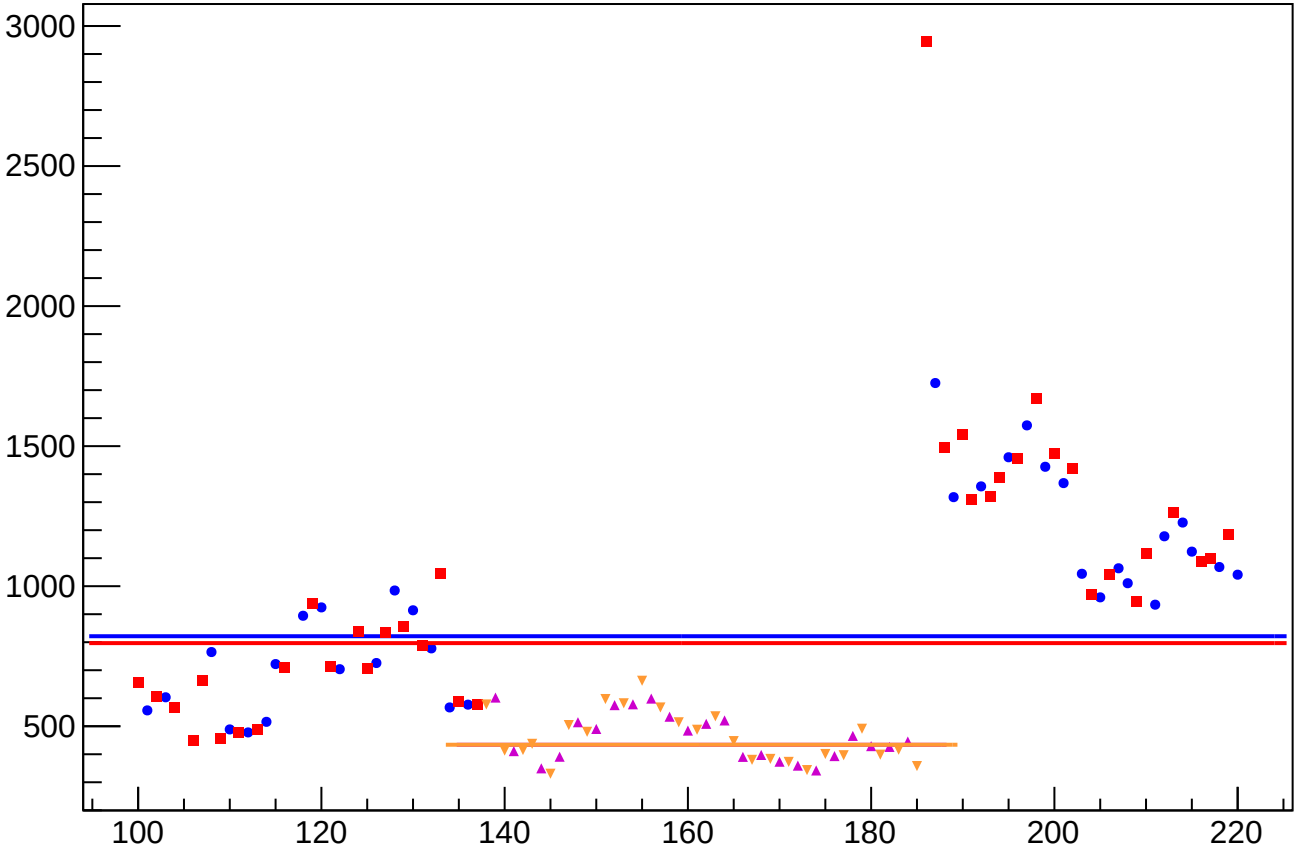
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 525.689+/-88.942 χ^2/NDF: 119.9/57

All: 403.993+/-63.372 χ^2/NDF: 223.4/117

- sign 278.503+/-90.318 χ^2/NDF: 99.7/59

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 821.359+/-0.135 χ^2/NDF: 4752375.5/32

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 796.771+/-0.132 χ^2/NDF: 6537990.6/36

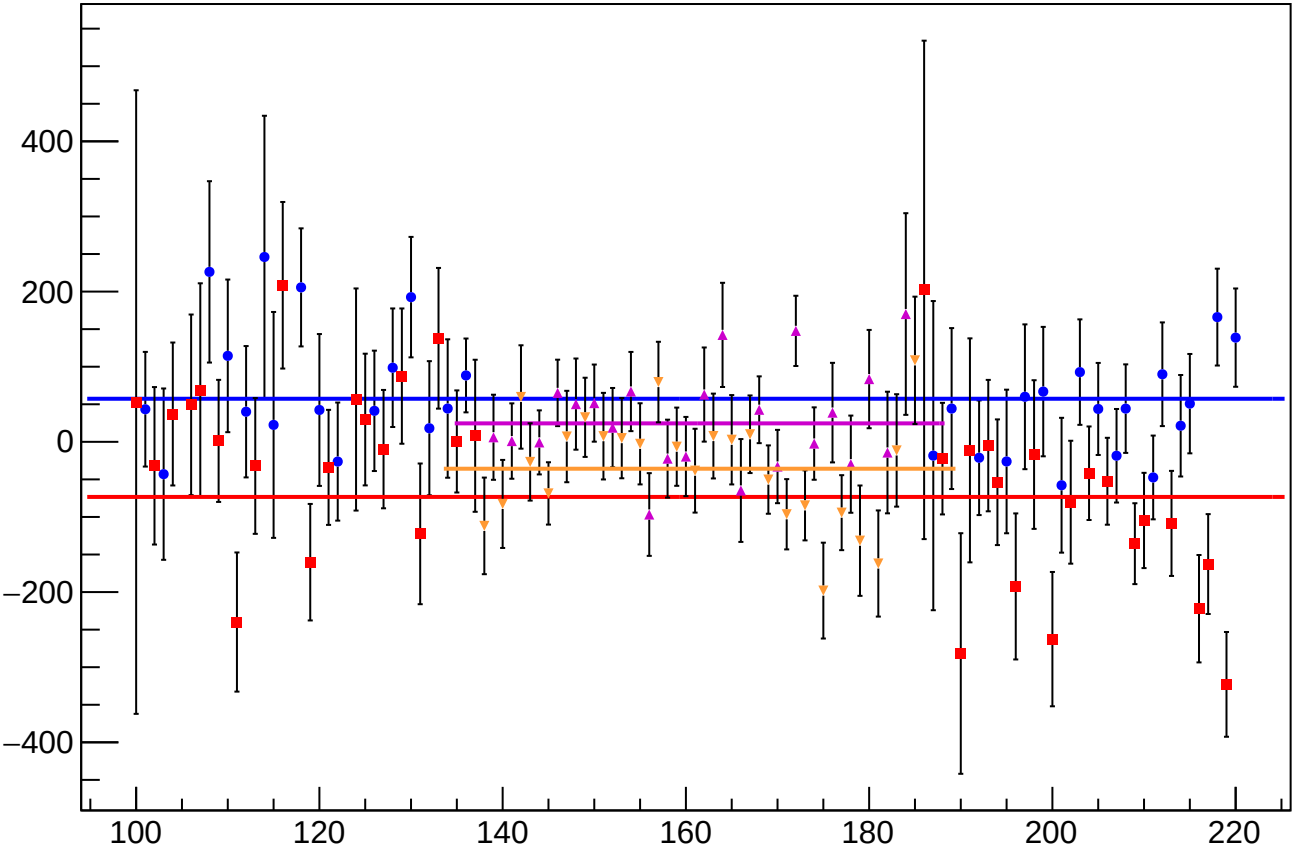
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 518.085+/-0.063 χ^2/NDF: 12447462.0/57

All: 518.197+/-0.045 χ^2/NDF: 25855463.0/11

- sign 518.314+/-0.064 χ^2/NDF: 13407994.6/59

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 57.343+/-13.613 χ^2/NDF: 26.6/32

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -73.343+/-13.934 χ^2/NDF: 60.3/36

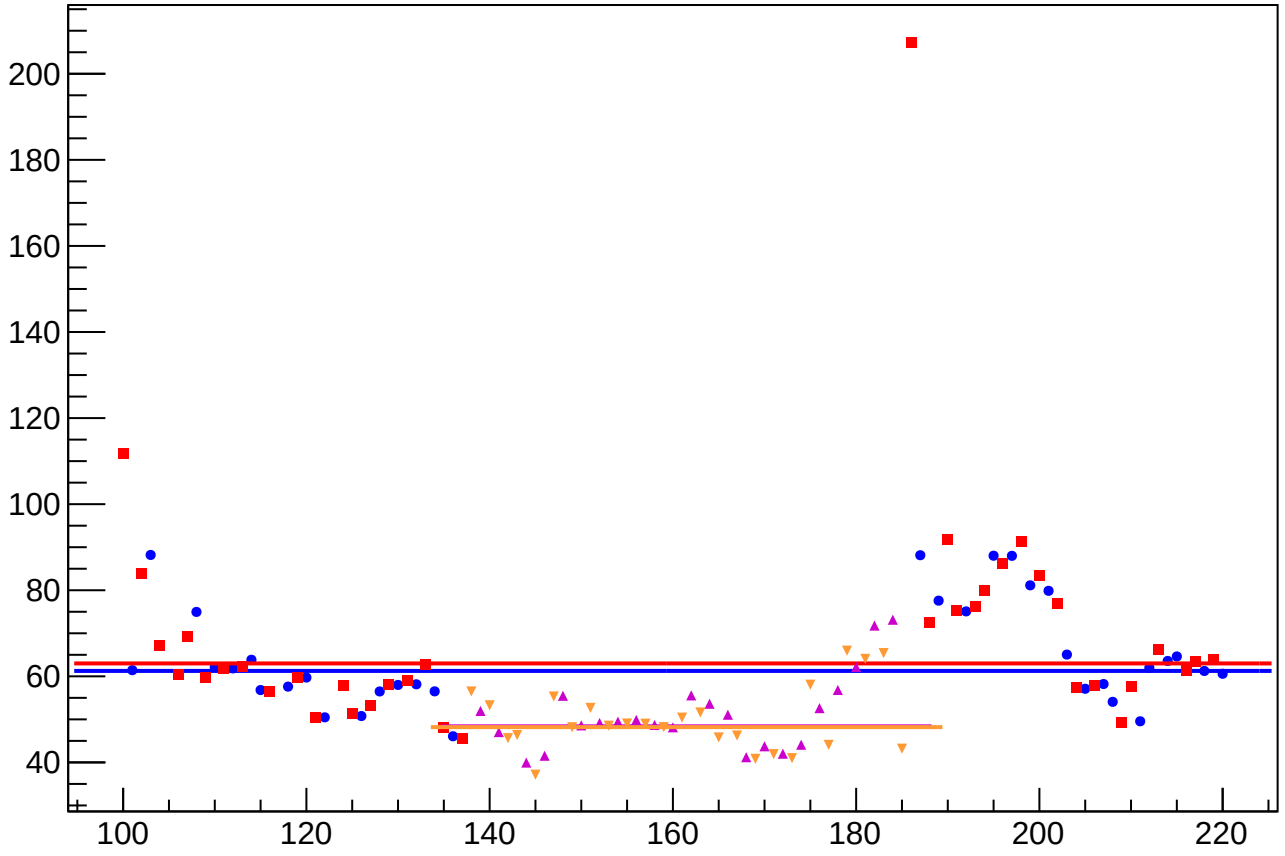
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign 1.479+/-8.612 χ^2/NDF: 88.3/57

All: -6.521+/-6.174 χ^2/NDF: 205.5/117

- sign -14.981+/-8.856 χ^2/NDF: 115.4/59

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.258+/-0.010 χ^2/NDF: 1221015.3/32

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

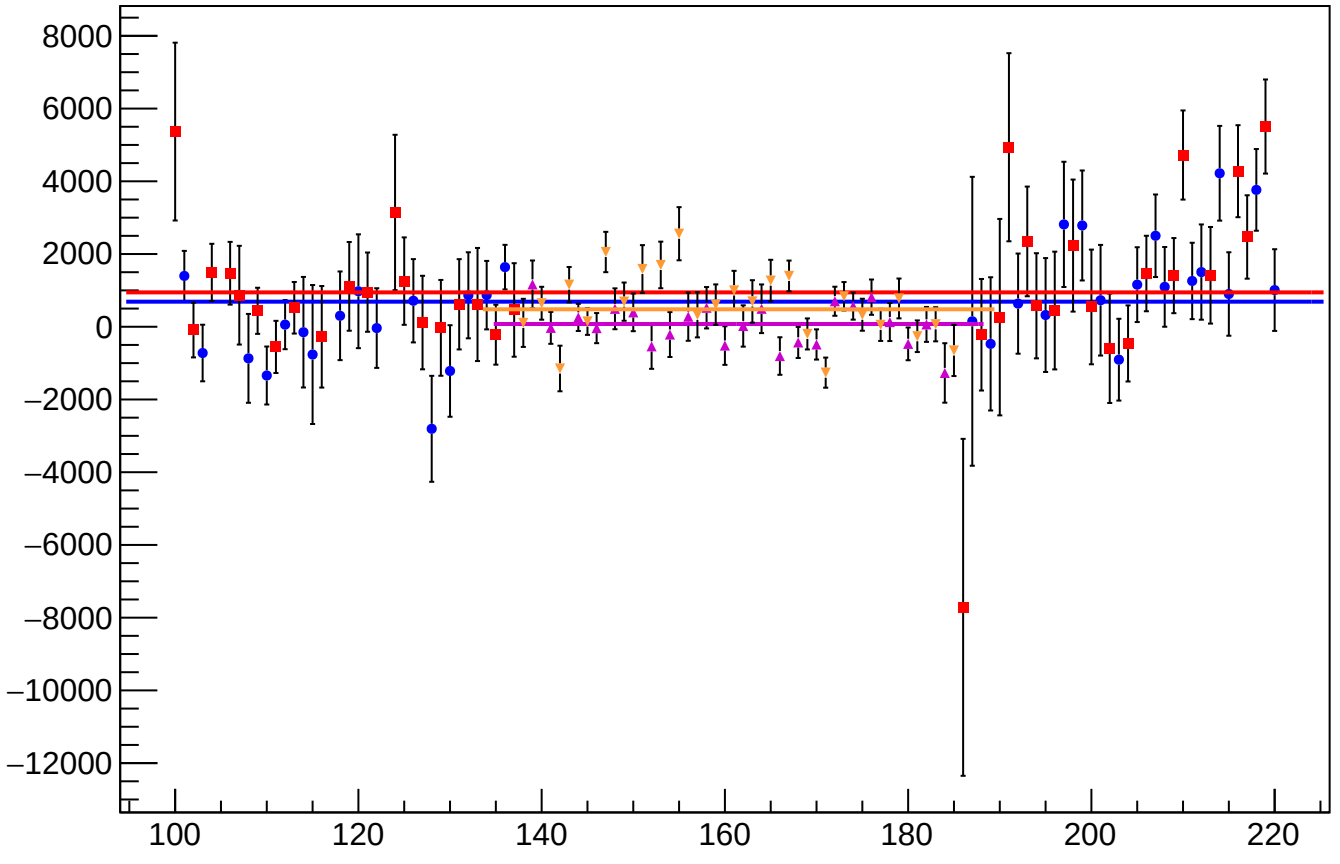
Right Out: 62.997+/-0.010 χ^2/NDF: 1655353.7/36

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

\+ sign 53.424+/-0.006 χ^2/NDF: 3105270.8/57

All: 53.843+/-0.004 χ^2/NDF: 6777453.6/117

\- sign 54.285+/-0.006 χ^2/NDF: 3662473.9/59



Right In: 689.624+/-190.852 χ^2/NDF: 49.8/32

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 945.335+/-187.949 χ^2/NDF: 58.7/36

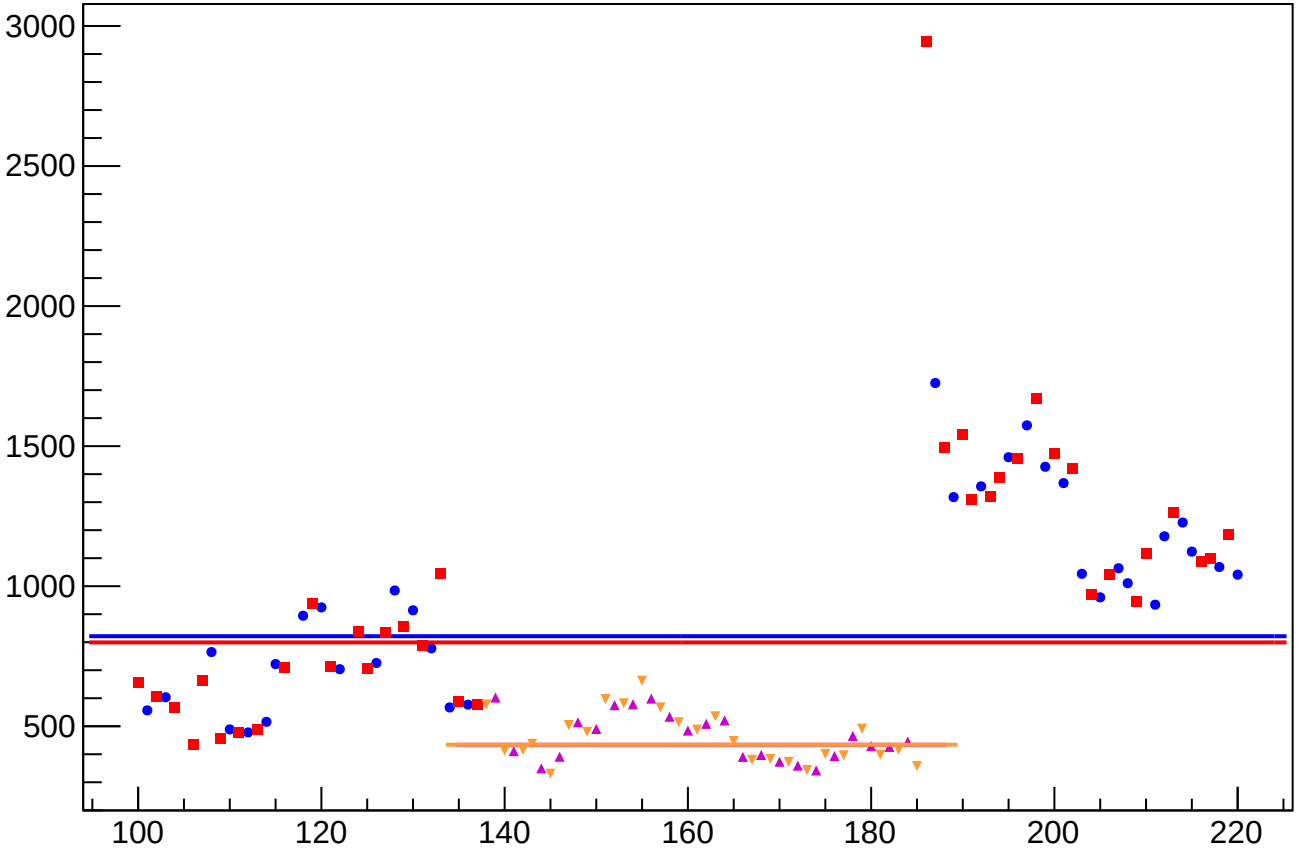
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 525.691+/-88.942 χ^2/NDF: 119.9/57

All: 403.340+/-63.405 χ^2/NDF: 223.3/117

- sign 276.911+/-90.412 χ^2/NDF: 99.6/59

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 821.364+/-0.135 χ^2/NDF: 4752286.7/32

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 799.299+/-0.133 χ^2/NDF: 6500563.3/36

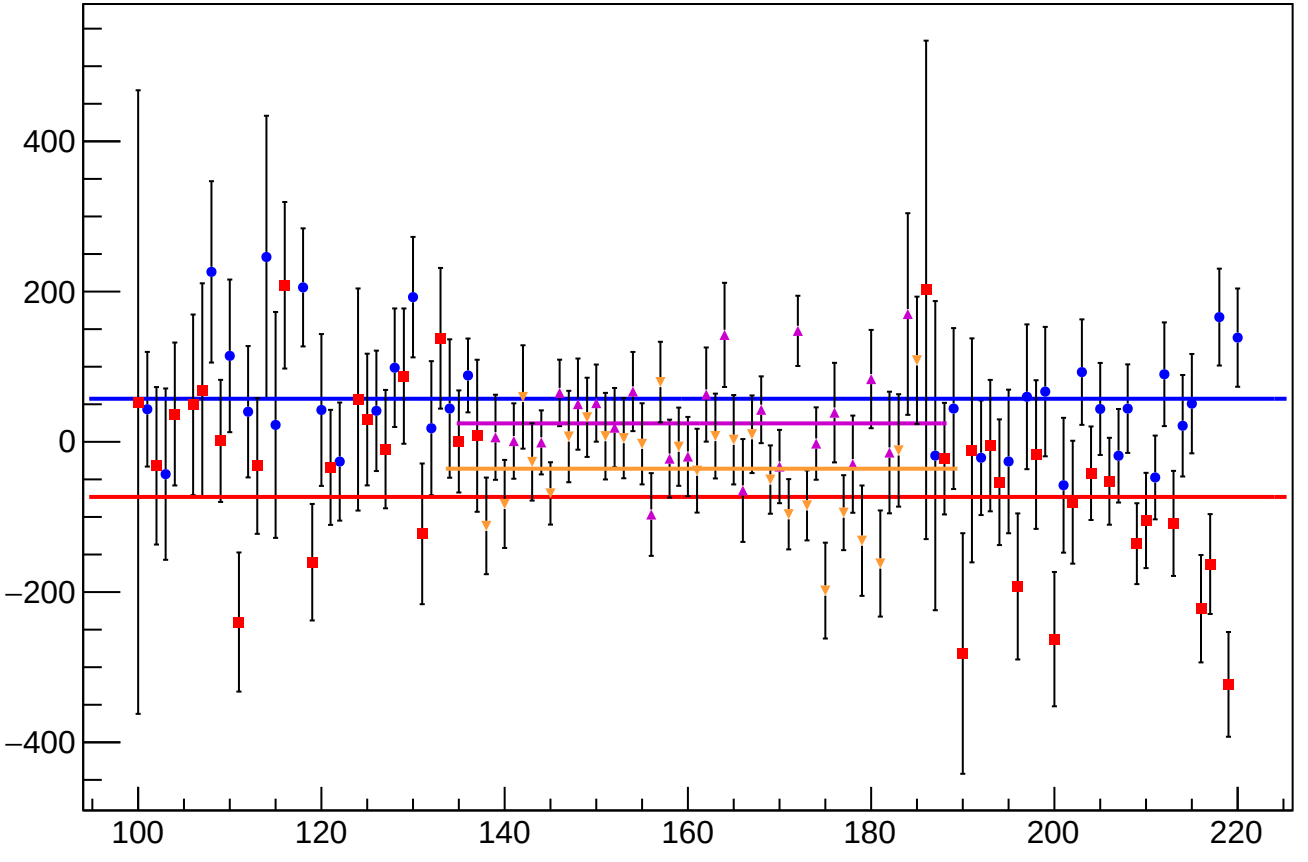
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 518.085+/-0.063 χ^2/NDF: 12447482.9/57

All: 518.200+/-0.045 χ^2/NDF: 25858590.6/11

- sign 518.318+/-0.064 χ^2/NDF: 13411100.9/59

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 57.343+/-13.613 χ^2/NDF: 26.6/32

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -73.343+/-13.934 χ^2/NDF: 60.3/36

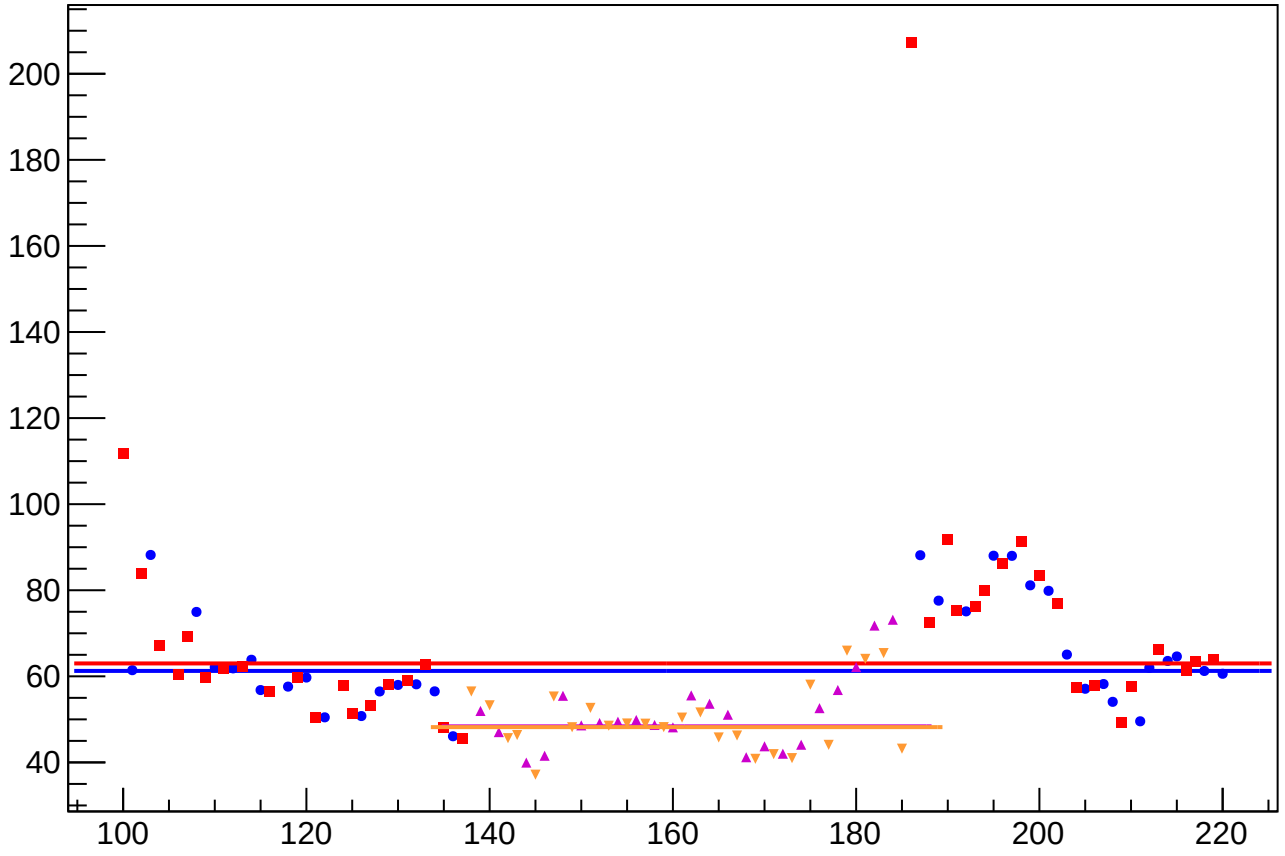
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign 1.479+/-8.612 χ^2/NDF: 88.3/57

All: -6.521+/-6.174 χ^2/NDF: 205.5/117

- sign -14.981+/-8.856 χ^2/NDF: 115.4/59

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 61.258+/-0.010 χ^2/NDF: 1221015.3/32

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

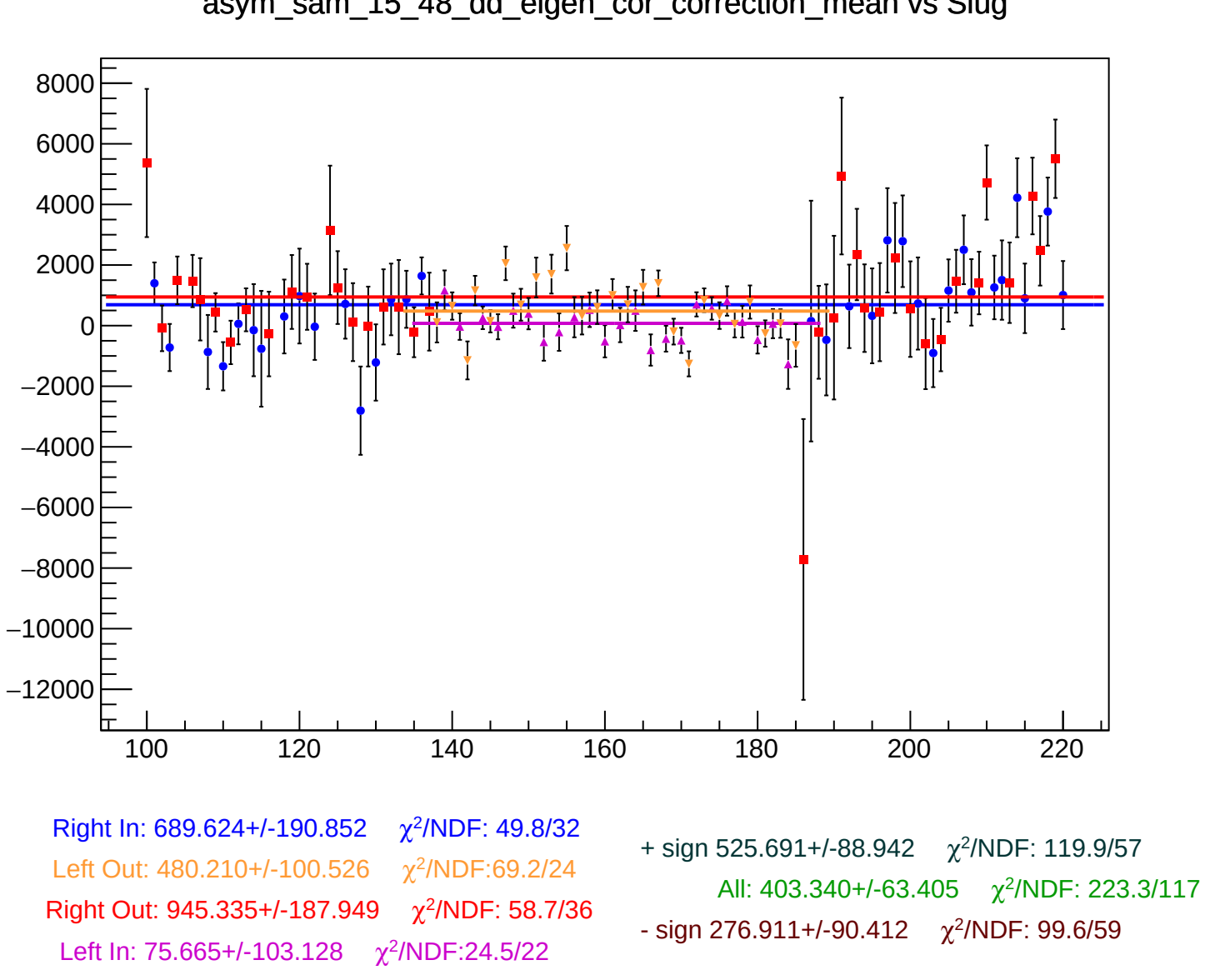
Right Out: 62.997+/-0.010 χ^2/NDF: 1655353.7/36

Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

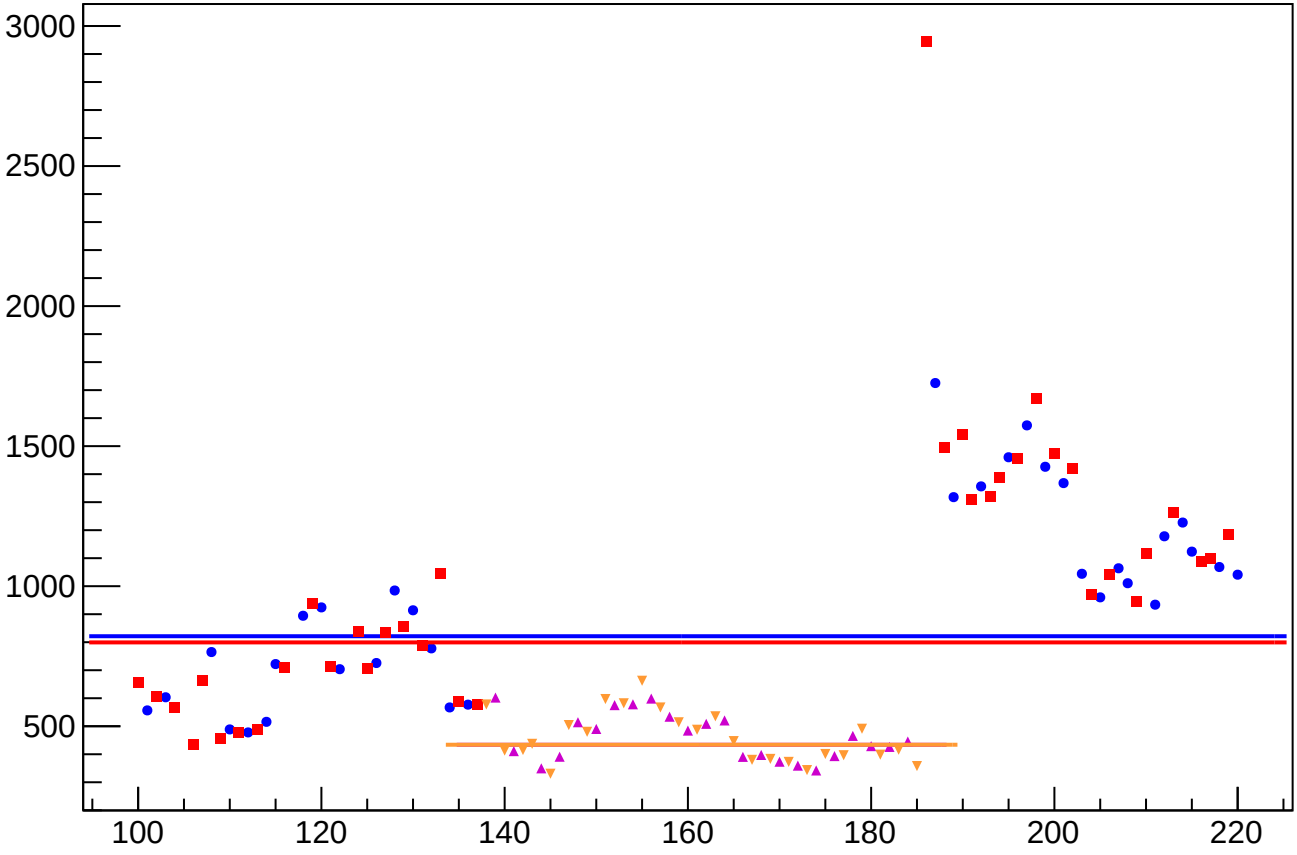
+ sign 53.424+/-0.006 χ^2/NDF: 3105270.8/57

All: 53.843+/-0.004 χ^2/NDF: 6777453.6/117

- sign 54.285+/-0.006 χ^2/NDF: 3662473.9/59


asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
100
120
140
160
180
200
220
Right In: 689.624+/-190.852 χ²/NDF: 49.8/32
Left Out: 480.210+/-100.526 χ²/NDF:69.2/24
Right Out: 945.335+/-187.949 χ²/NDF: 58.7/36
Left In: 75.665+/-103.128 χ²/NDF:24.5/22
+ sign 525.691+/-88.942 χ²/NDF: 119.9/57
All: 403.340+/-63.405 χ²/NDF: 223.3/117
- sign 276.911+/-90.412 χ²/NDF: 99.6/59

asym_sam_15_48_dd_eigen_cor_correction_rms vs Slug



Right In: 821.364+/-0.135 χ^2/NDF: 4752286.7/32

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 799.299+/-0.133 χ^2/NDF: 6500563.3/36

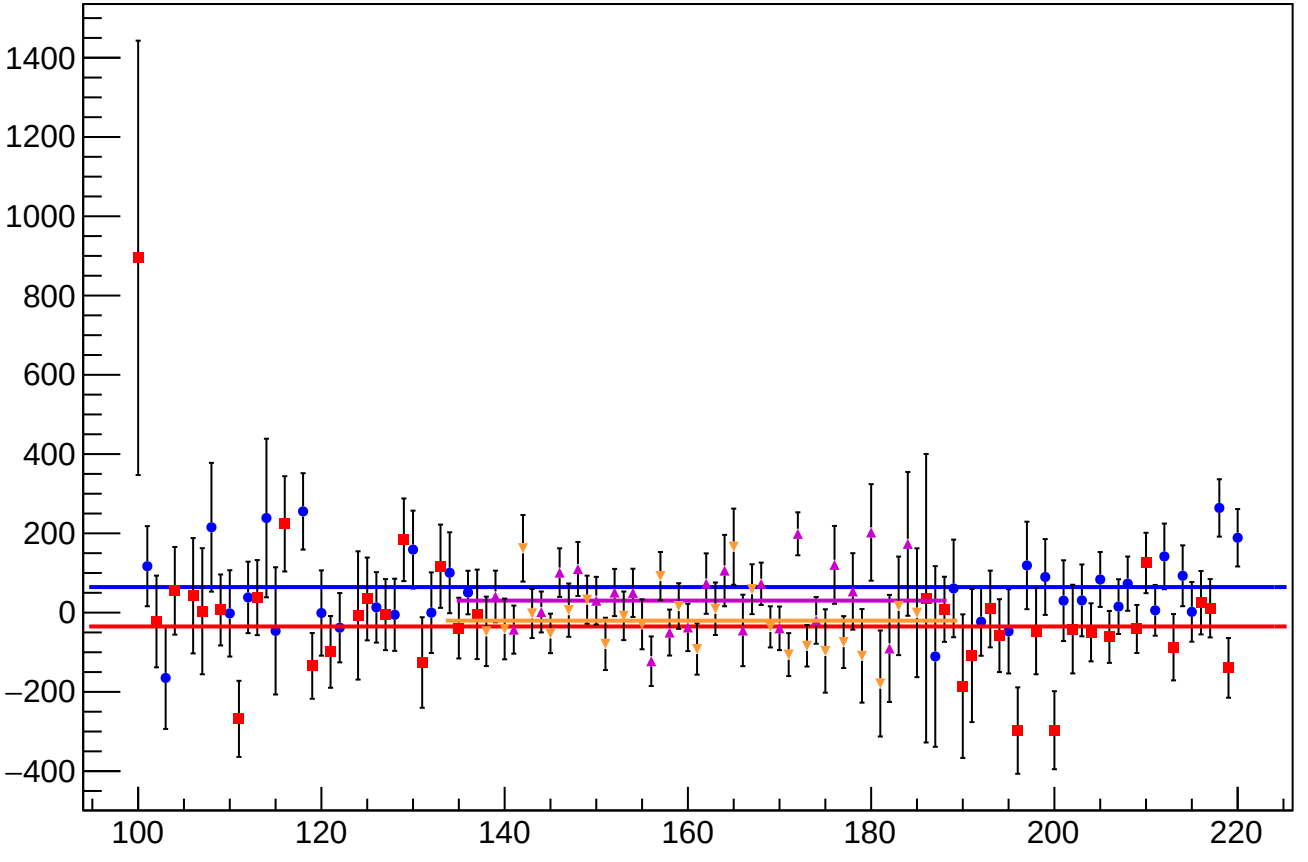
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 518.085+/-0.063 χ^2/NDF: 12447482.9/57

All: 518.200+/-0.045 χ^2/NDF: 25858590.6/11

- sign 518.318+/-0.064 χ^2/NDF: 13411100.9/59

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 64.444+/-15.552 χ^2/NDF: 31.1/32

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -34.907+/-15.787 χ^2/NDF: 47.2/36

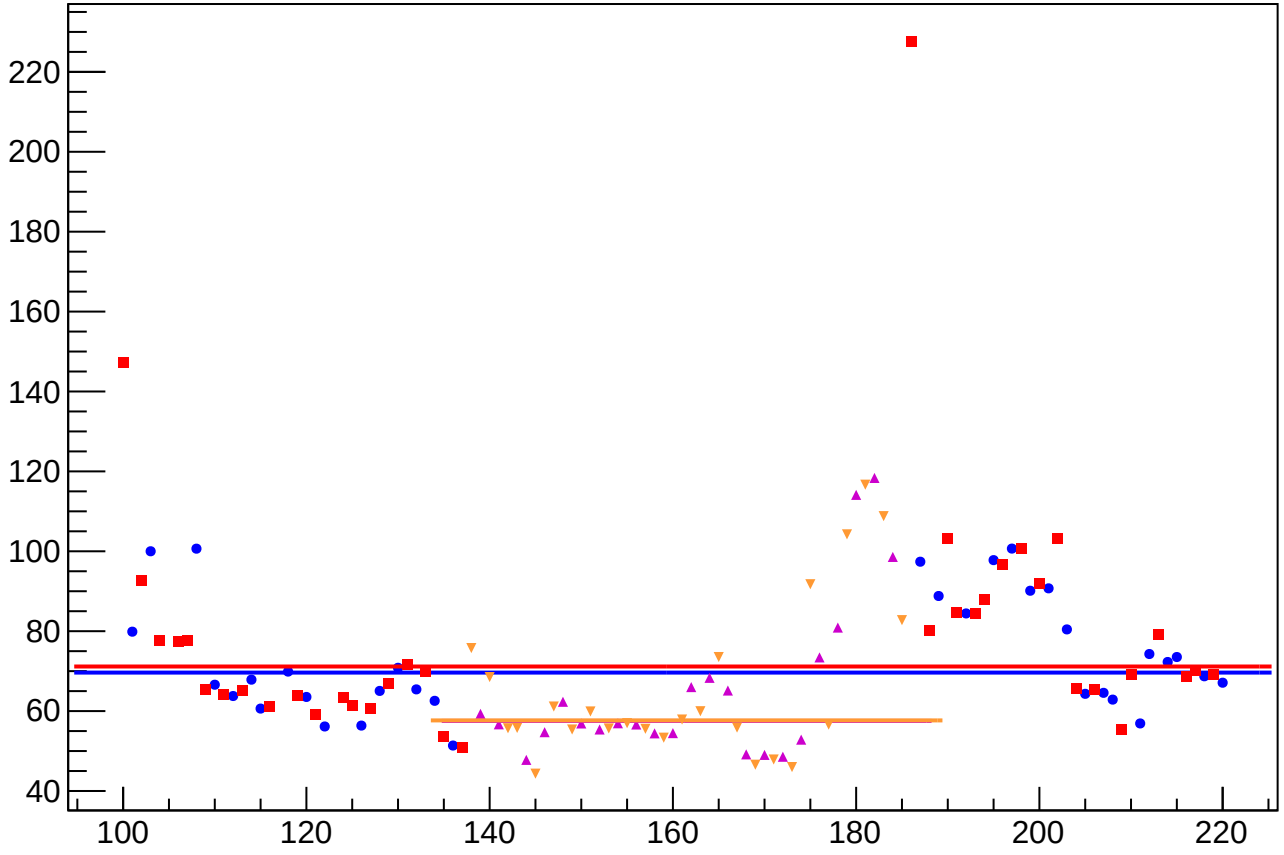
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 16.551+/-10.253 χ^2/NDF: 73.0/57

All: 9.255+/-7.324 χ^2/NDF: 163.4/117

- sign 1.654+/-10.466 χ^2/NDF: 89.4/59

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.638+/-0.011 χ^2/NDF: 1339256.2/32

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 71.161+/-0.011 χ^2/NDF: 1702199.9/36

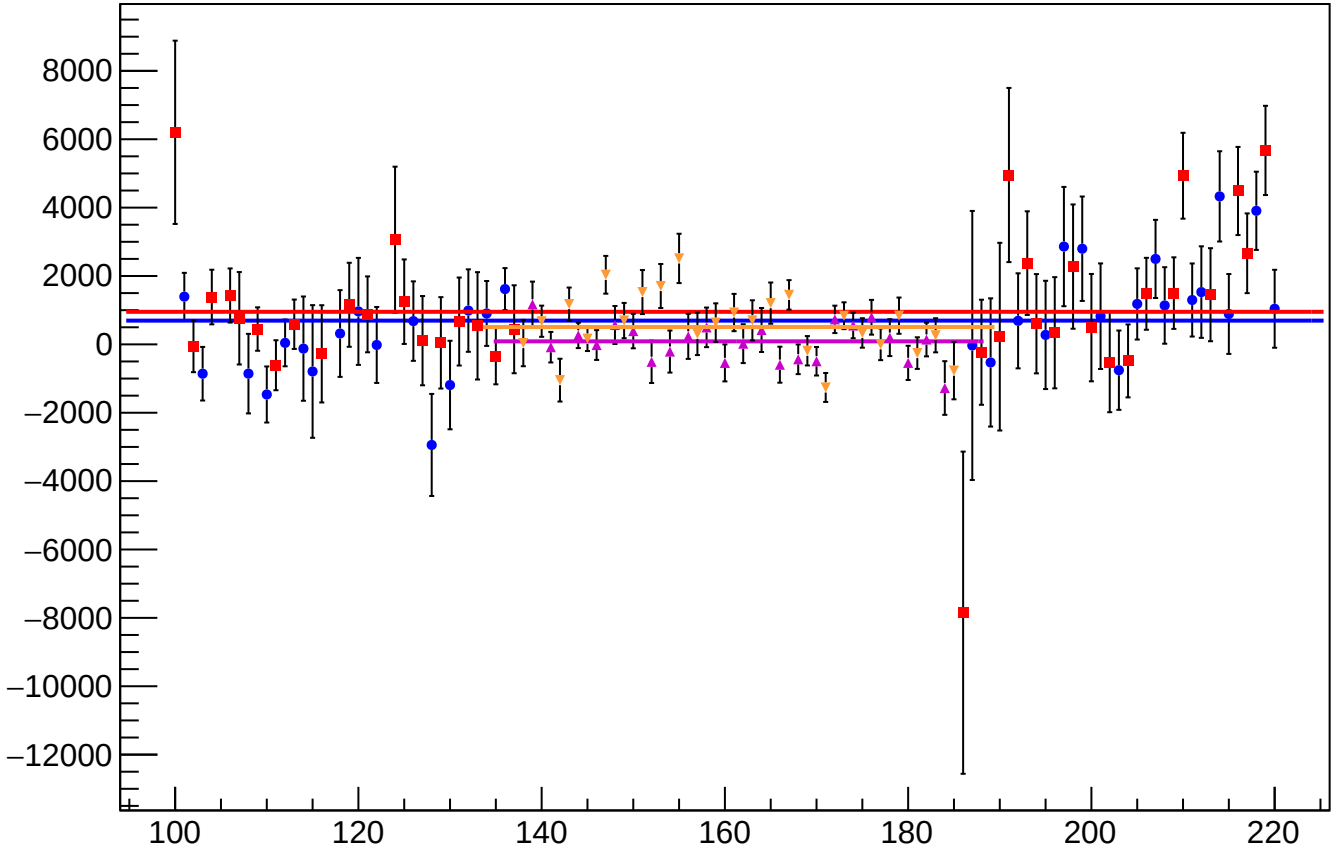
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 62.871+/-0.007 χ^2/NDF: 3918764.2/57

All: 63.191+/-0.005 χ^2/NDF: 7902803.2/117

- sign 63.526+/-0.007 χ^2/NDF: 3980043.6/59

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 694.698+/-193.280 χ^2/NDF: 51.1/32

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 952.611+/-189.101 χ^2/NDF: 61.8/36

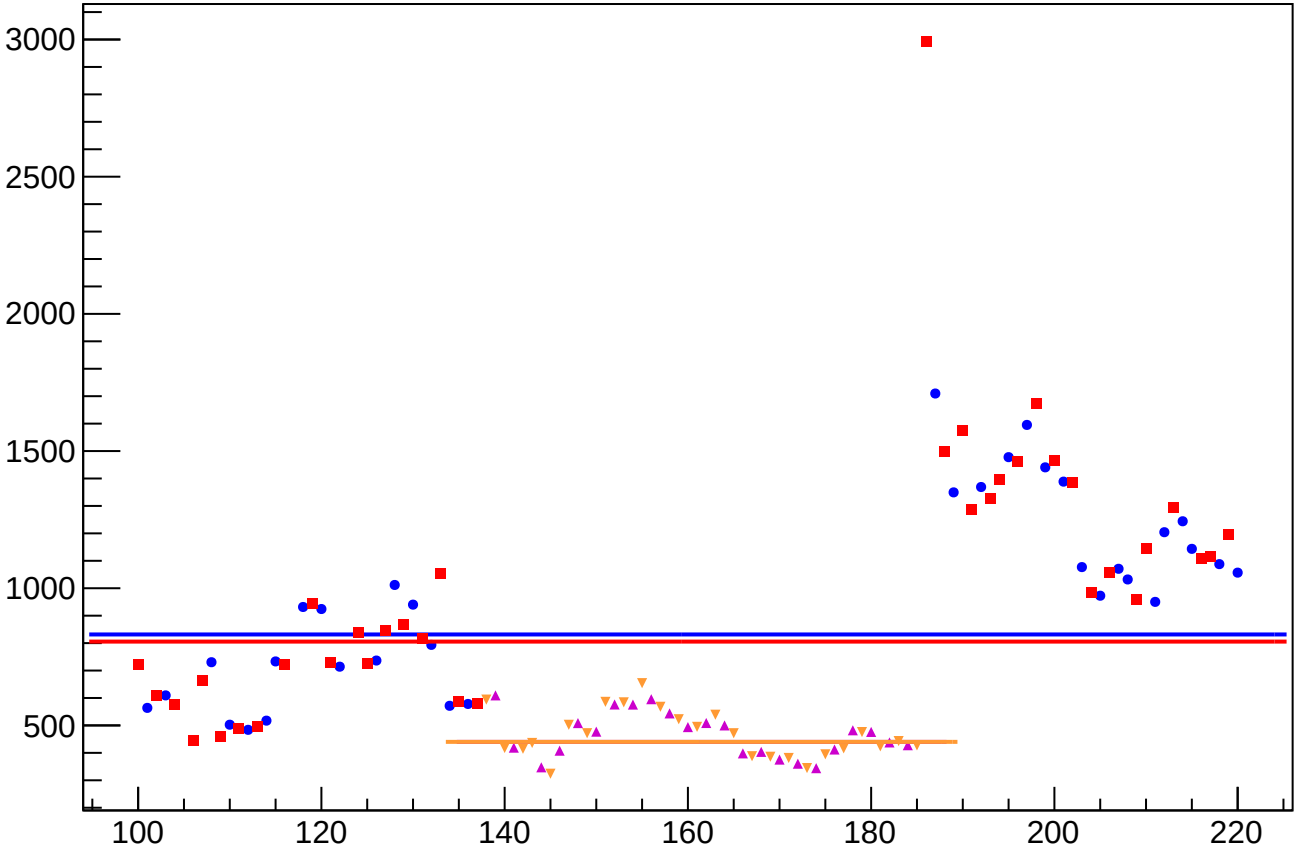
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 547.880+/-90.054 χ^2/NDF: 117.6/57

All: 421.352+/-64.180 χ^2/NDF: 222.8/117

- sign 290.753+/-91.491 χ^2/NDF: 101.1/59

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 831.557+/-0.137 χ^2/NDF: 4810216.2/32

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 805.536+/-0.134 χ^2/NDF: 6522212.3/36

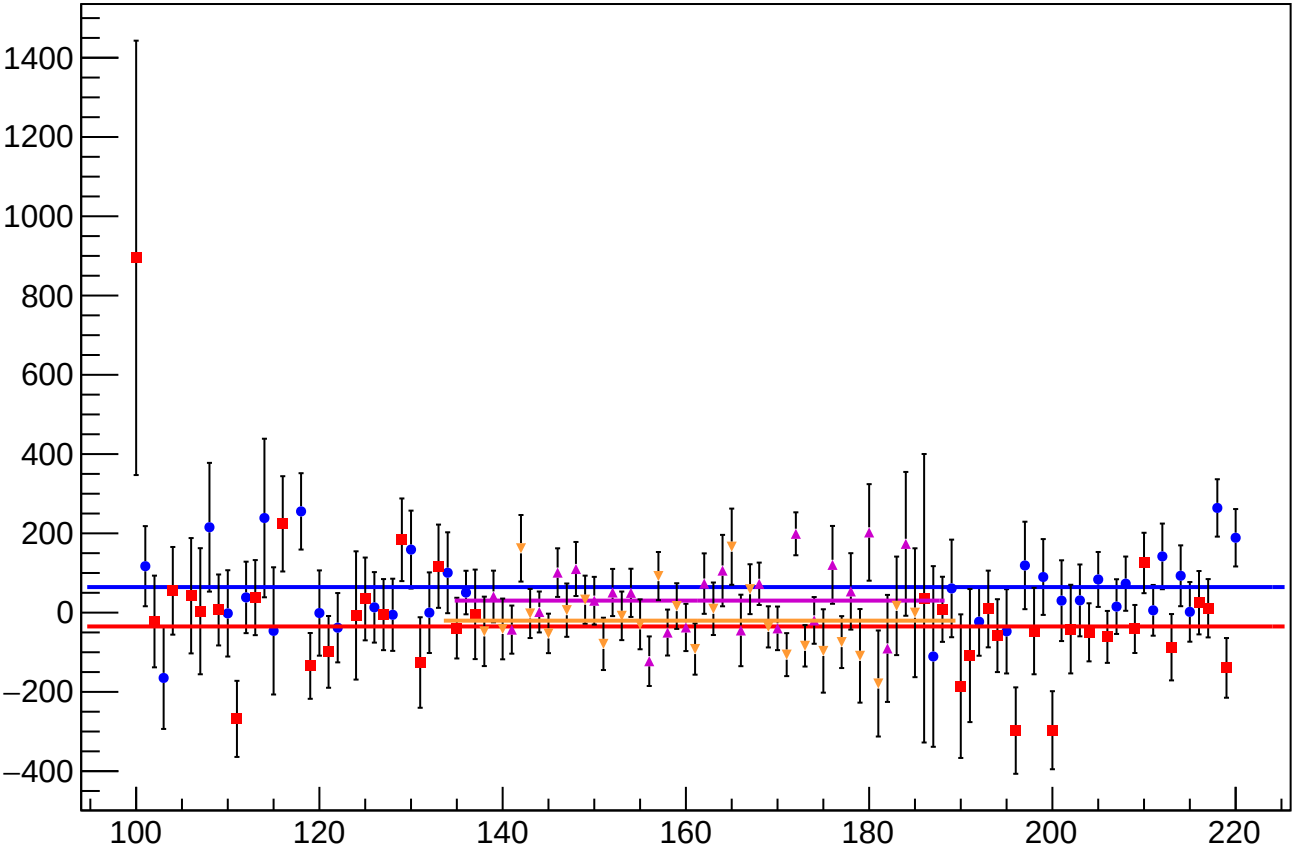
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 525.061+/-0.064 χ^2/NDF: 12431018.9/57

All: 525.263+/-0.045 χ^2/NDF: 25742835.5/11

- sign 525.472+/-0.065 χ^2/NDF: 13311796.1/59

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 64.442+/-15.552 χ^2/NDF: 31.1/32

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -34.909+/-15.787 χ^2/NDF: 47.2/36

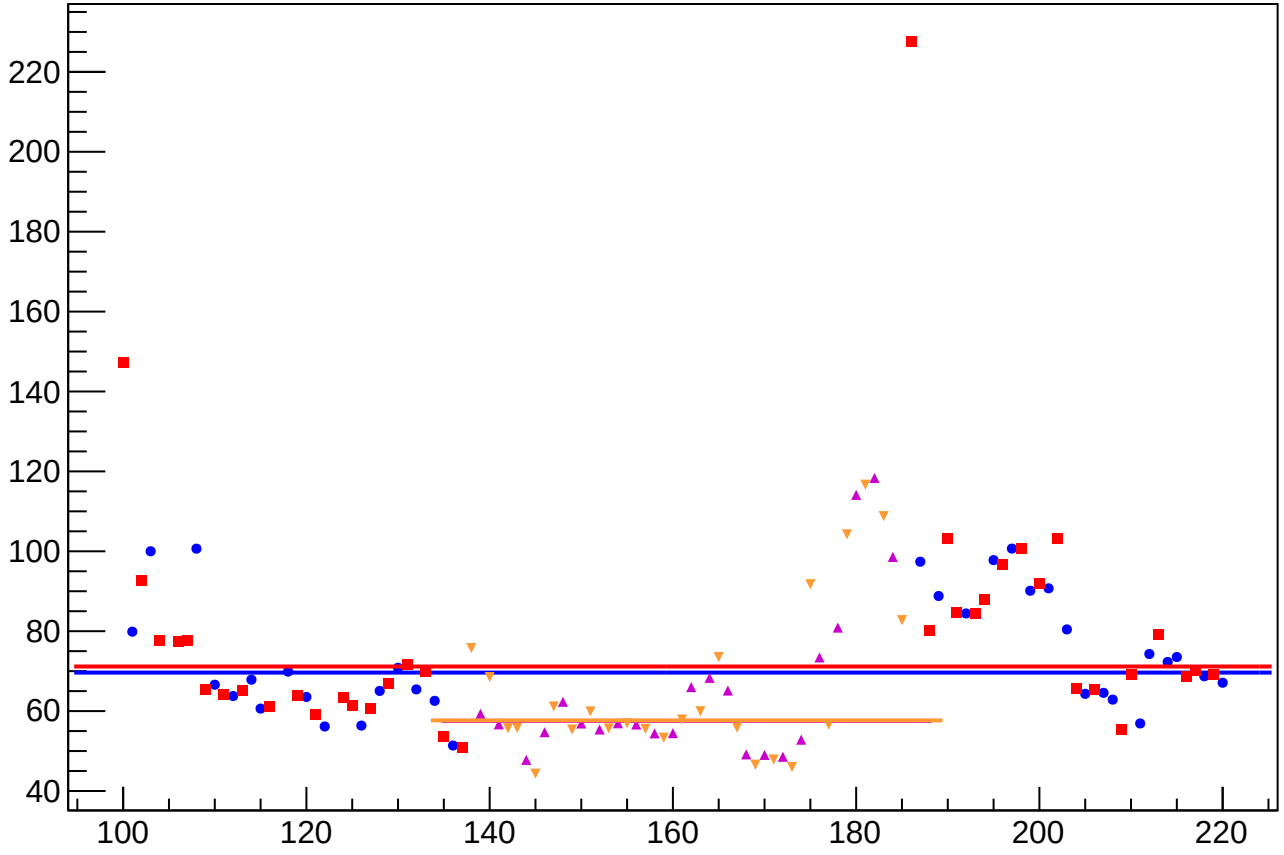
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 16.550+/-10.253 χ^2/NDF: 73.0/57

All: 9.254+/-7.324 χ^2/NDF: 163.4/117

- sign 1.653+/-10.466 χ^2/NDF: 89.4/59

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 69.638+/-0.011 χ^2/NDF: 1339229.8/32

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

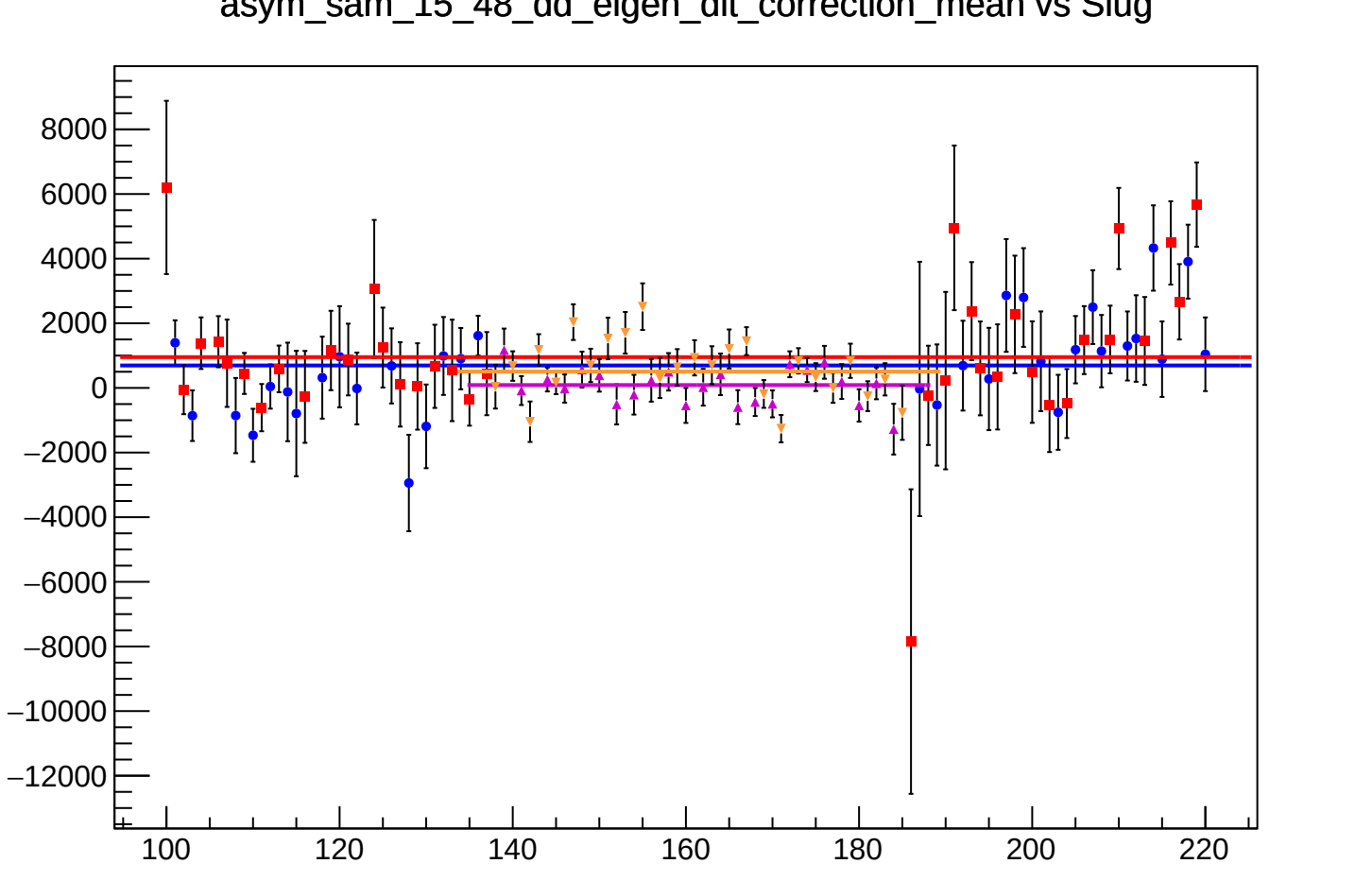
Right Out: 71.161+/-0.011 χ^2/NDF: 1702204.4/36

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 62.871+/-0.007 χ^2/NDF: 3918714.1/57

All: 63.191+/-0.005 χ^2/NDF: 7902729.2/117

- sign 63.526+/-0.007 χ^2/NDF: 3980020.1/59



Right In: 694.696+/-193.280 χ^2/NDF: 51.1/32

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

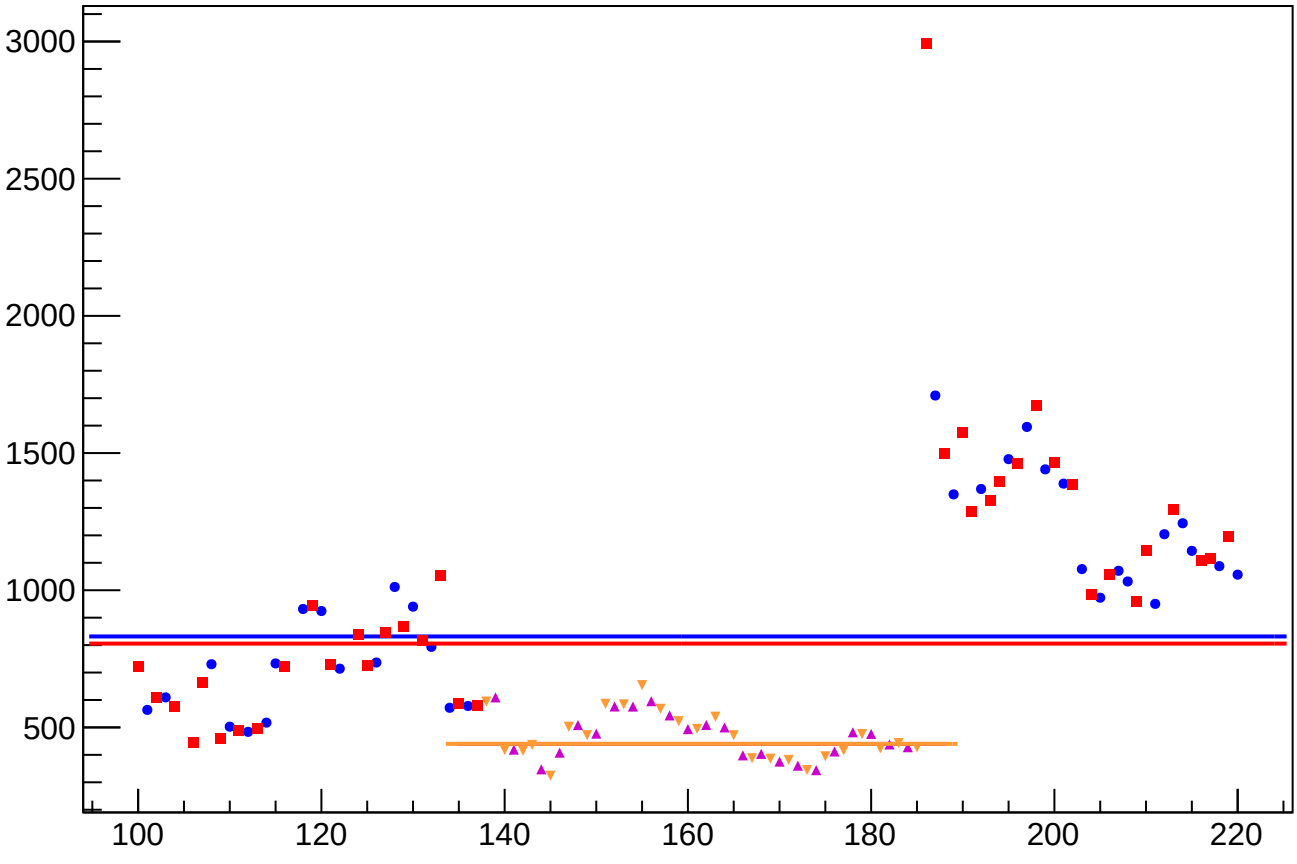
Right Out: 952.609+/-189.100 χ^2/NDF: 61.8/36

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 547.879+/-90.054 χ^2/NDF: 117.6/57

All: 421.351+/-64.180 χ^2/NDF: 222.8/117

- sign 290.752+/-91.491 χ^2/NDF: 101.1/59



Right In: 831.556+/-0.137 χ^2/NDF: 4810221.0/32

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 805.536+/-0.134 χ^2/NDF: 6522218.7/36

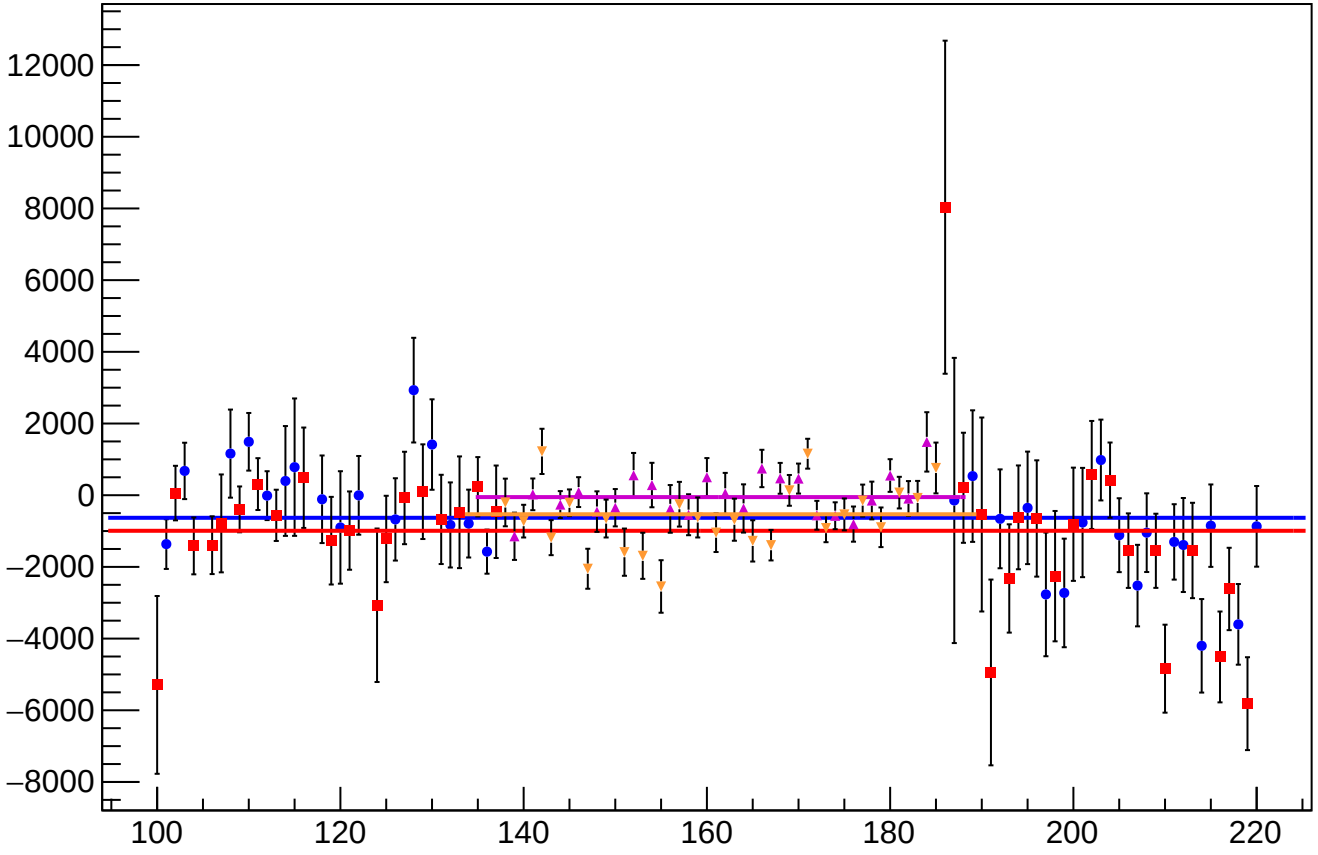
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 525.060+/-0.064 χ^2/NDF: 12431054.8/57

All: 525.262+/-0.045 χ^2/NDF: 25742910.8/11

- sign 525.471+/-0.065 χ^2/NDF: 13311835.5/59

asym_sam_15_48_dd_mean vs Slug



Right In: -630.094+/-191.648 χ^2/NDF: 50.7/32

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -992.484+/-188.123 χ^2/NDF: 61.0/36

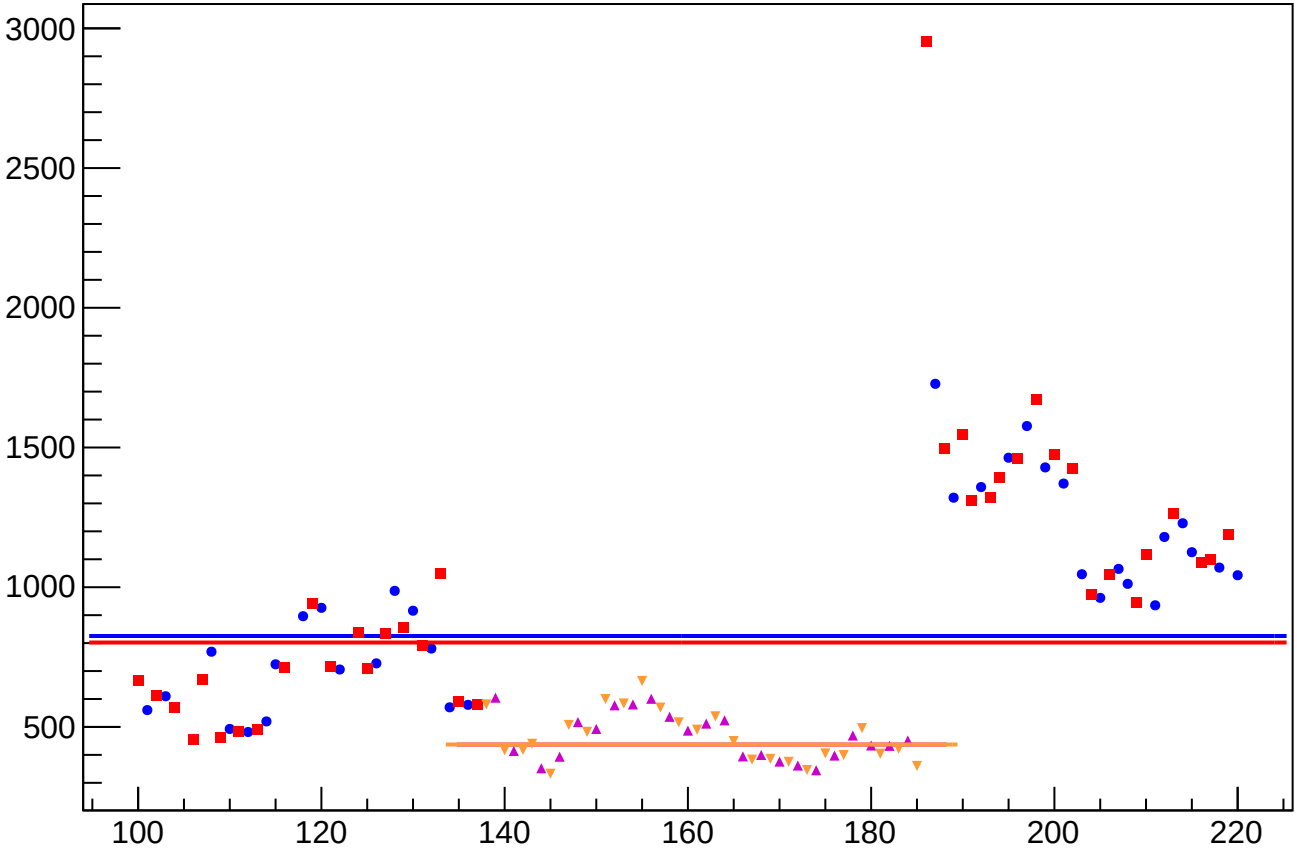
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -553.066+/-89.521 χ^2/NDF: 116.5/57

All: -414.803+/-63.793 χ^2/NDF: 225.5/117

- sign -272.152+/-90.930 χ^2/NDF: 104.2/59

asym_sam_15_48_dd_rms vs Slug



Right In: 825.456+/-0.136 χ^2/NDF: 4694033.7/32

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

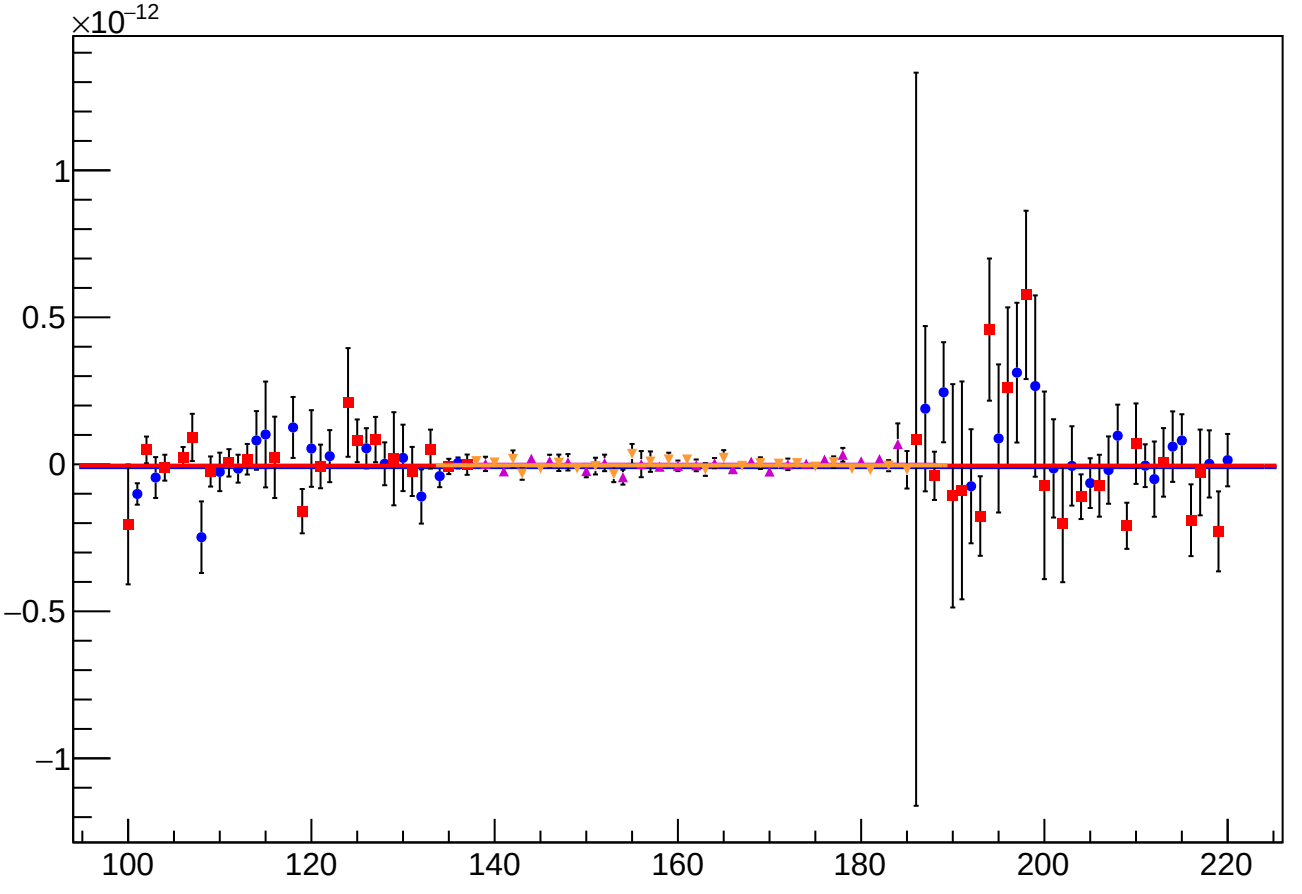
Right Out: 802.125+/-0.133 χ^2/NDF: 6443624.6/36

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 521.881+/-0.063 χ^2/NDF: 12340279.4/57

All: 522.066+/-0.045 χ^2/NDF: 25639802.4/11

- sign 522.257+/-0.064 χ^2/NDF: 13299505.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

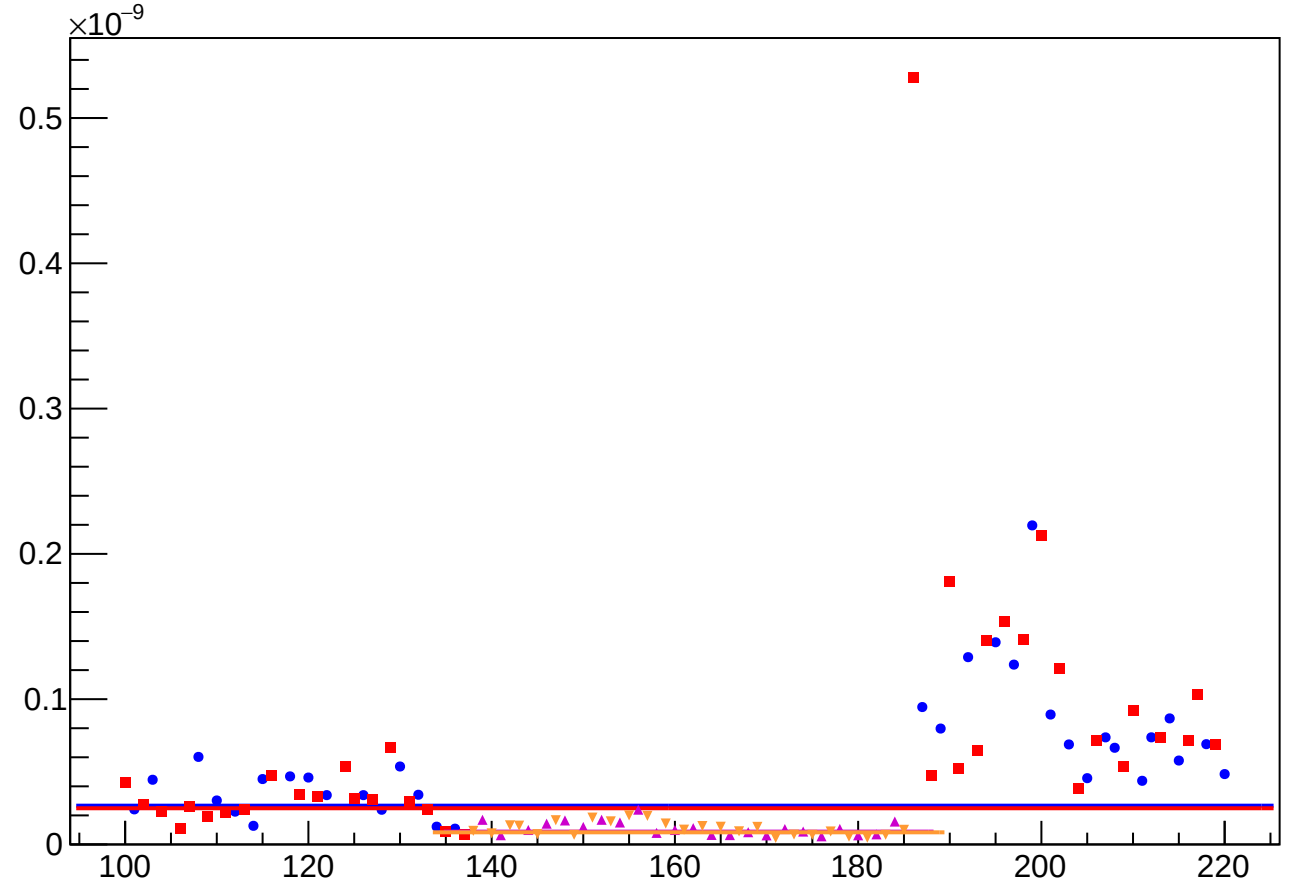
Right Out: -0.000+/-0.000 χ^2/NDF: 40.2/36

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.4/57

All: -0.000+/-0.000 χ^2/NDF: 102.9/117

- sign -0.000+/-0.000 χ^2/NDF: 62.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 7490230.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8047896.1/36

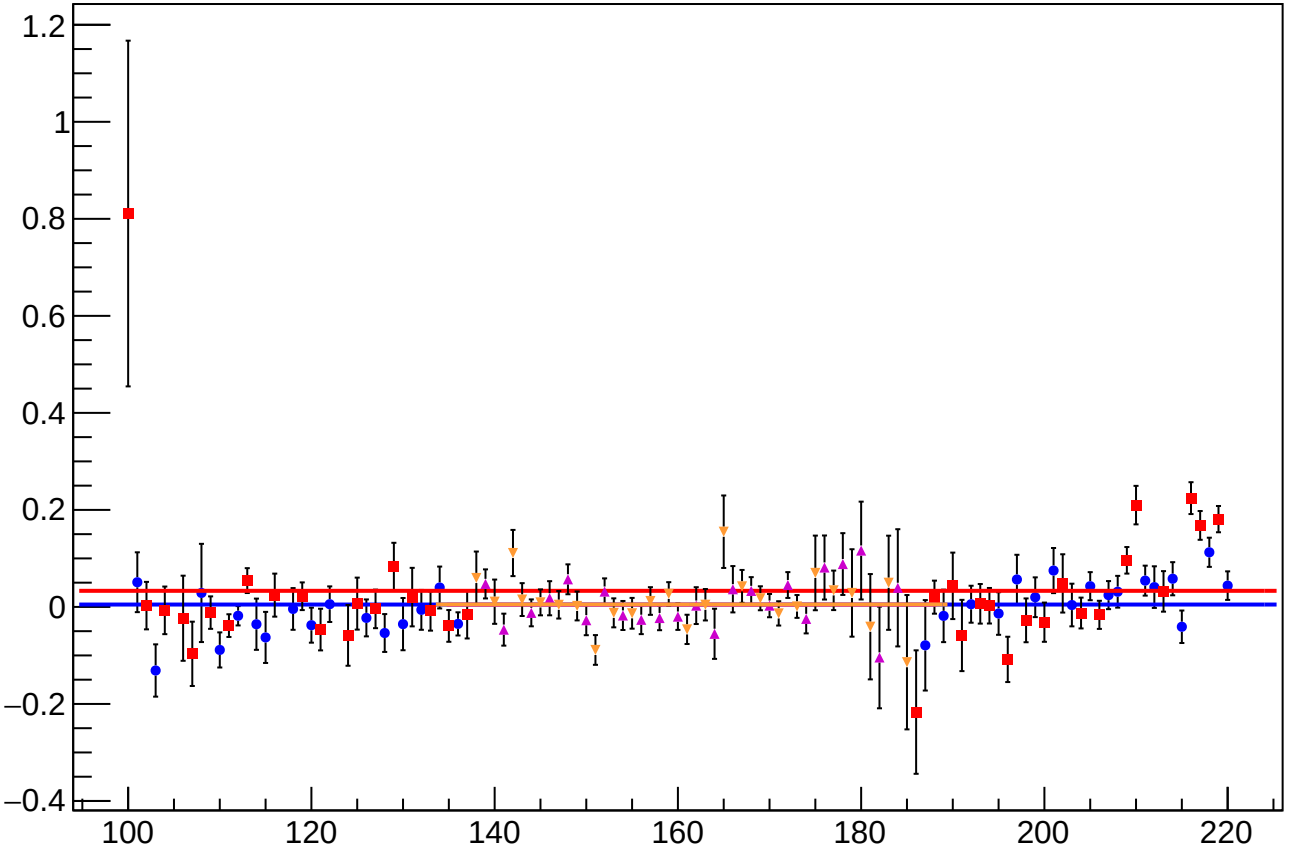
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 14306282.0/57

All: 0.000+/-0.000 χ^2/NDF: 27664490.9/117

- sign 0.000+/-0.000 χ^2/NDF: 13333949.0/59

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.006 χ^2/NDF: 55.1/32

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

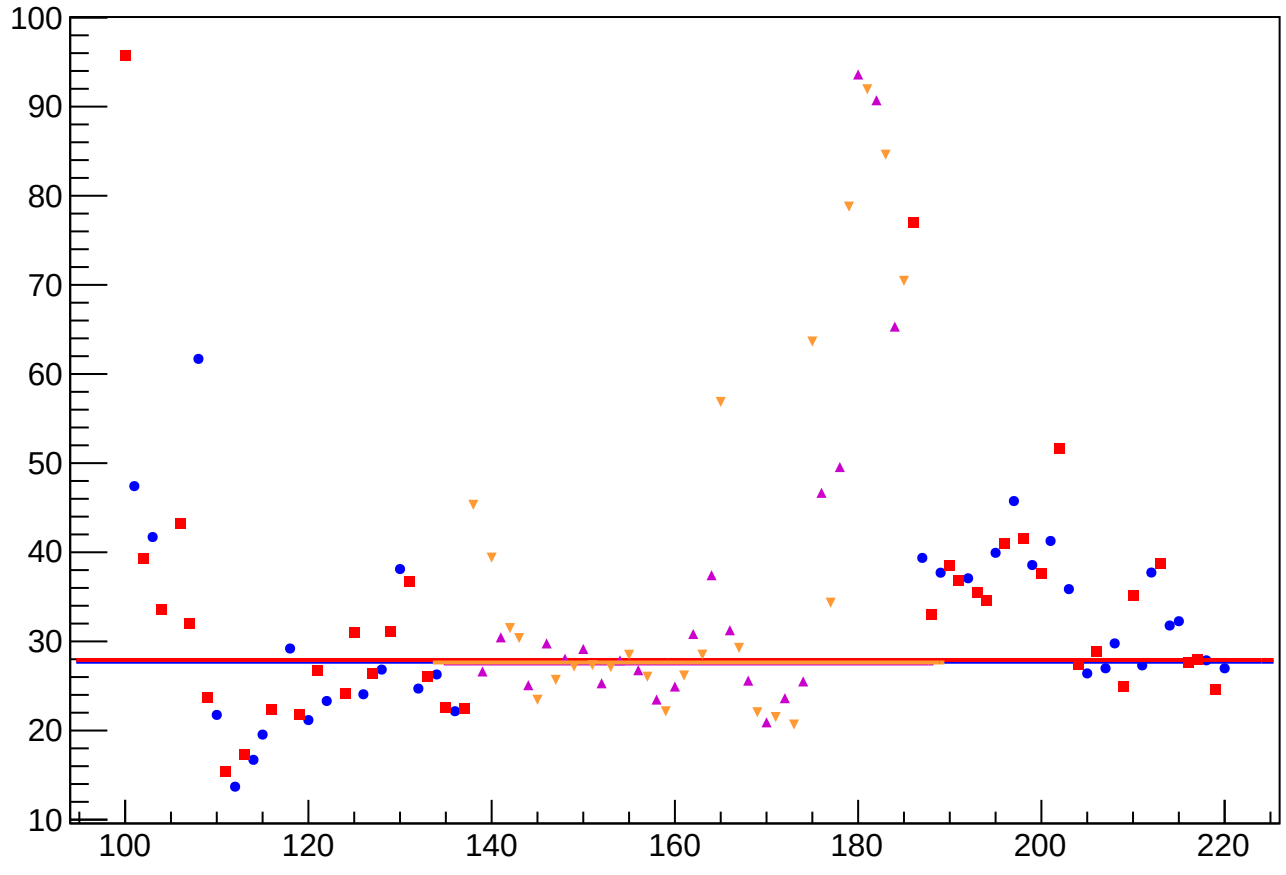
Right Out: 0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.005+/-0.005 χ^2/NDF: 83.6/57

All: 0.012+/-0.003 χ^2/NDF: 294.4/117

- sign 0.020+/-0.005 χ^2/NDF: 205.7/59



Right In: 27.721+/-0.005 χ^2/NDF: 3248751.9/32

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

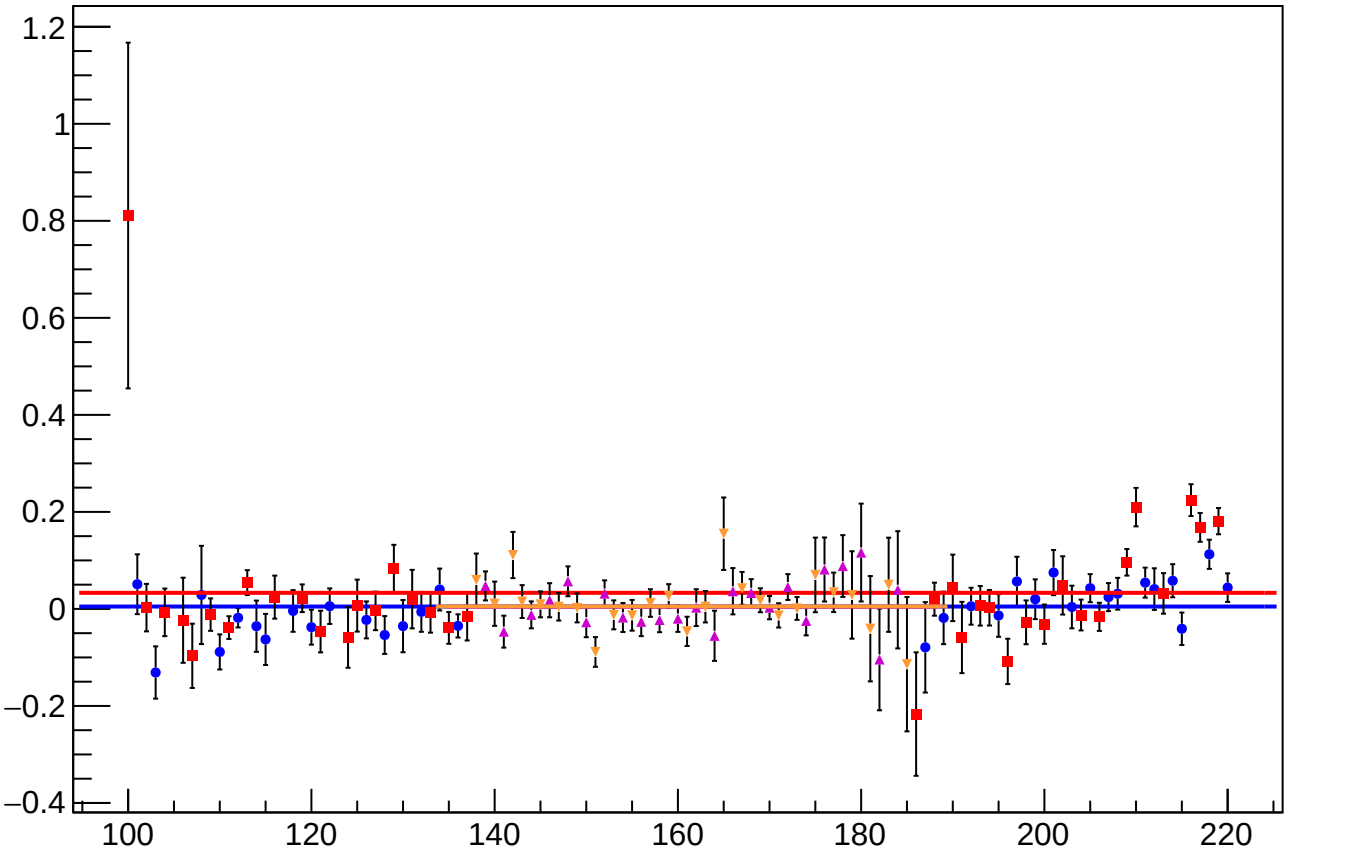
Right Out: 27.916+/-0.005 χ^2/NDF: 3077460.3/36

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.680+/-0.003 χ^2/NDF: 7223004.6/57

All: 27.708+/-0.002 χ^2/NDF: 12938564.2/117

- sign 27.737+/-0.003 χ^2/NDF: 5715418.1/59



Right In: 0.005+/-0.006 χ^2/NDF: 55.1/32

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

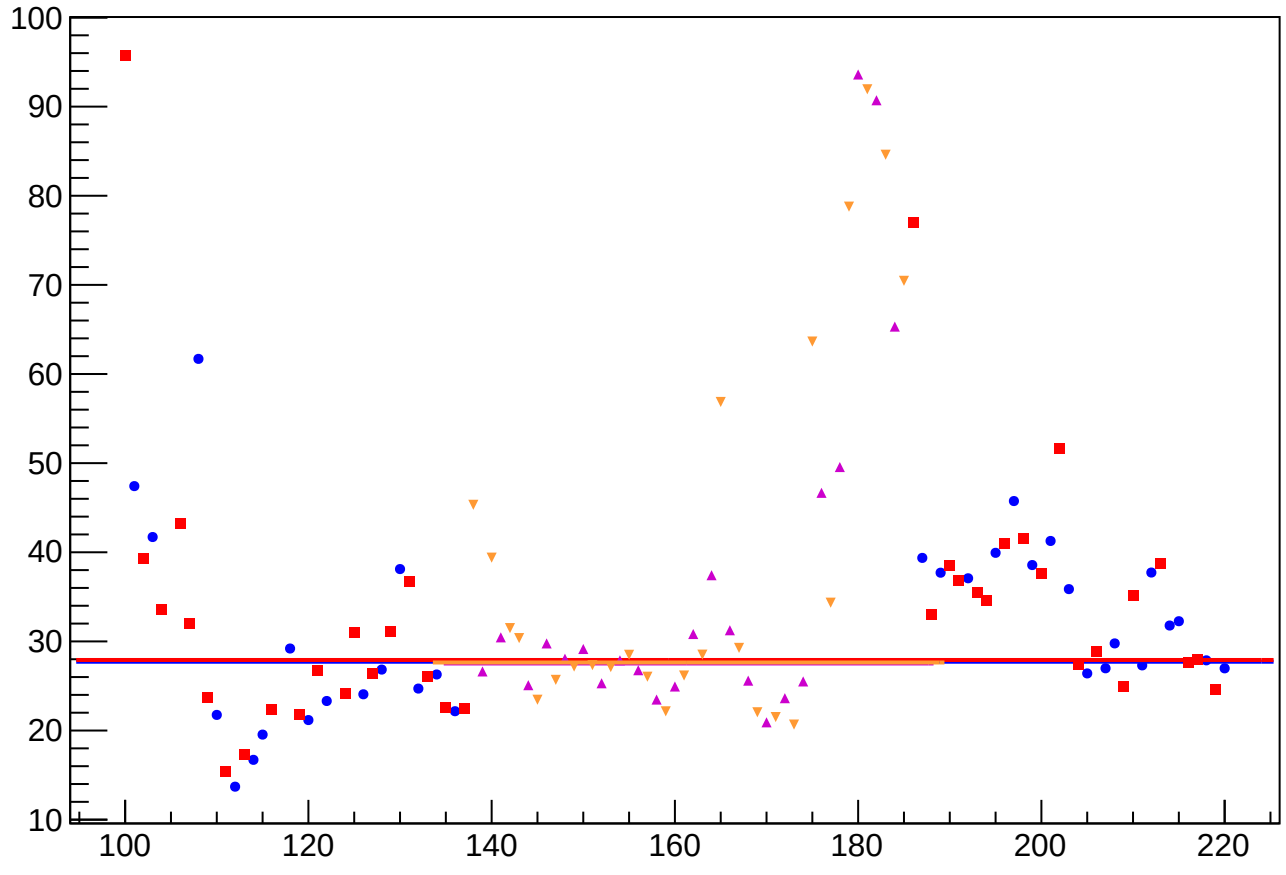
Right Out: 0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.005+/-0.005 χ^2/NDF: 83.6/57

All: 0.012+/-0.003 χ^2/NDF: 294.4/117

- sign 0.020+/-0.005 χ^2/NDF: 205.7/59



Right In: 27.721+/-0.005 χ^2/NDF: 3248751.9/32

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

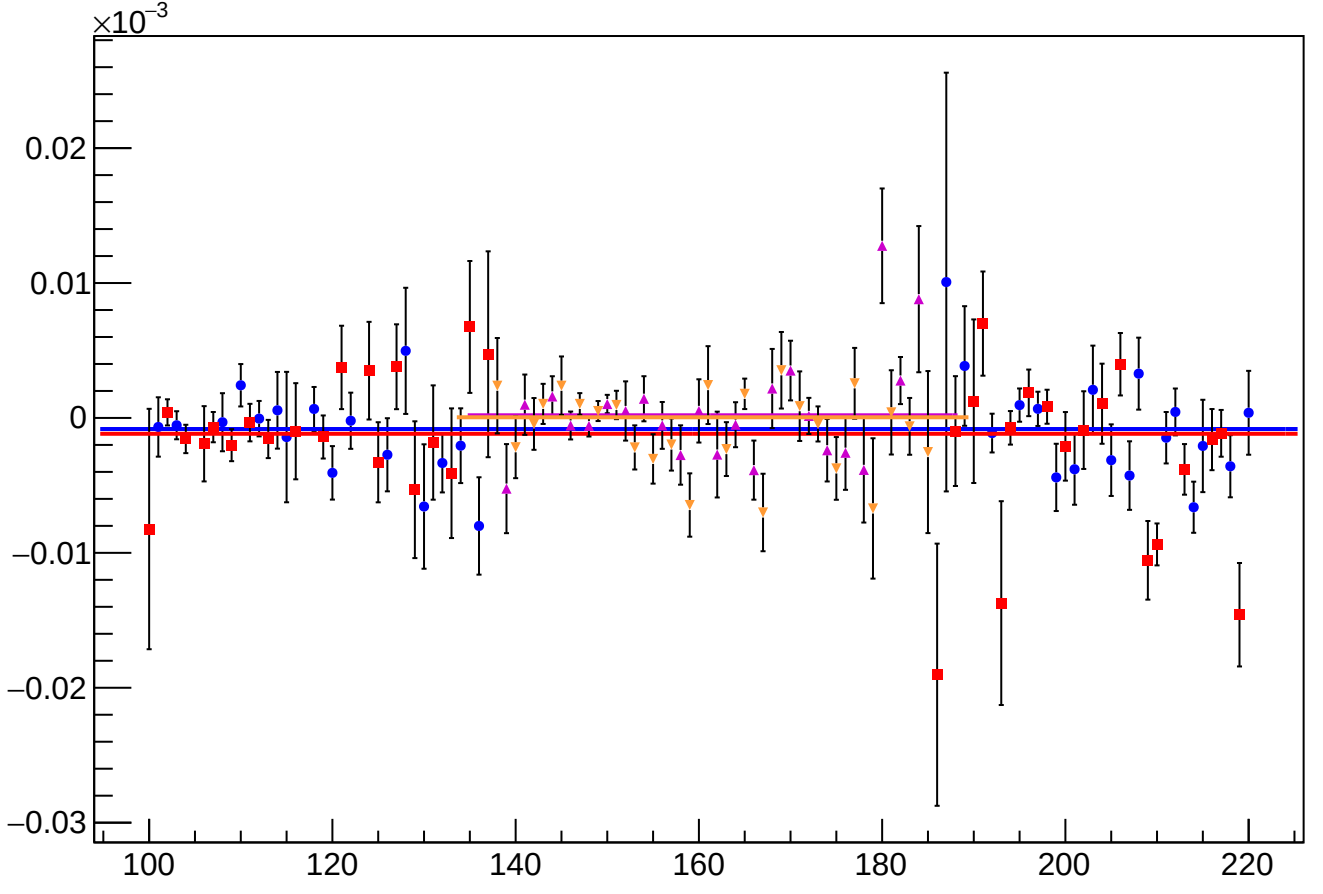
Right Out: 27.916+/-0.005 χ^2/NDF: 3077460.3/36

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.680+/-0.003 χ^2/NDF: 7223004.6/57

All: 27.708+/-0.002 χ^2/NDF: 12938564.2/117

- sign 27.737+/-0.003 χ^2/NDF: 5715418.1/59



Right In: -0.000+/-0.000 χ^2/NDF: 43.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

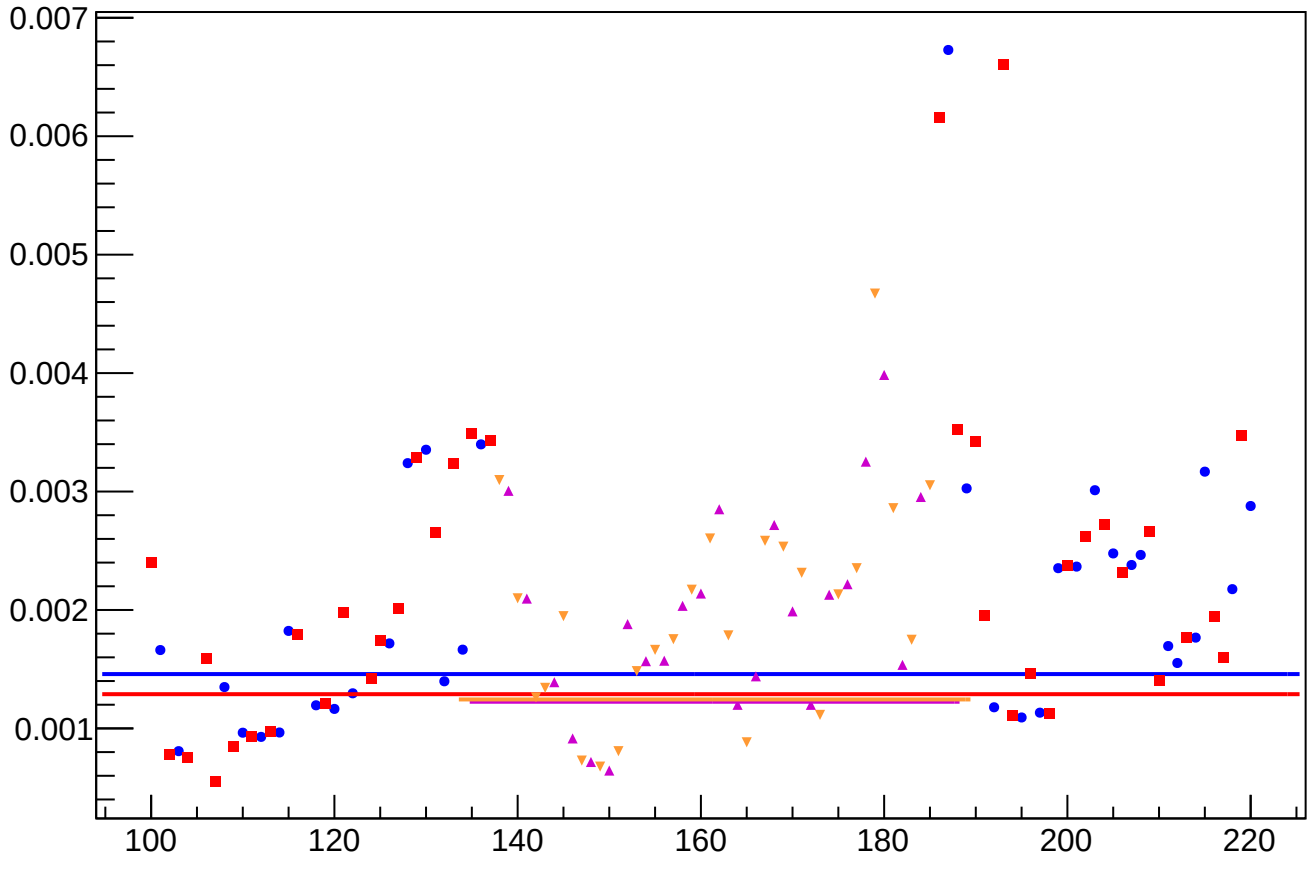
Right Out: -0.000+/-0.000 χ^2/NDF: 90.8/36

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 83.9/57

All: -0.000+/-0.000 χ^2/NDF: 216.9/117

- sign -0.000+/-0.000 χ^2/NDF: 132.8/59



Right In: 0.001+/-0.000 χ^2/NDF: 6597560.9/32

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

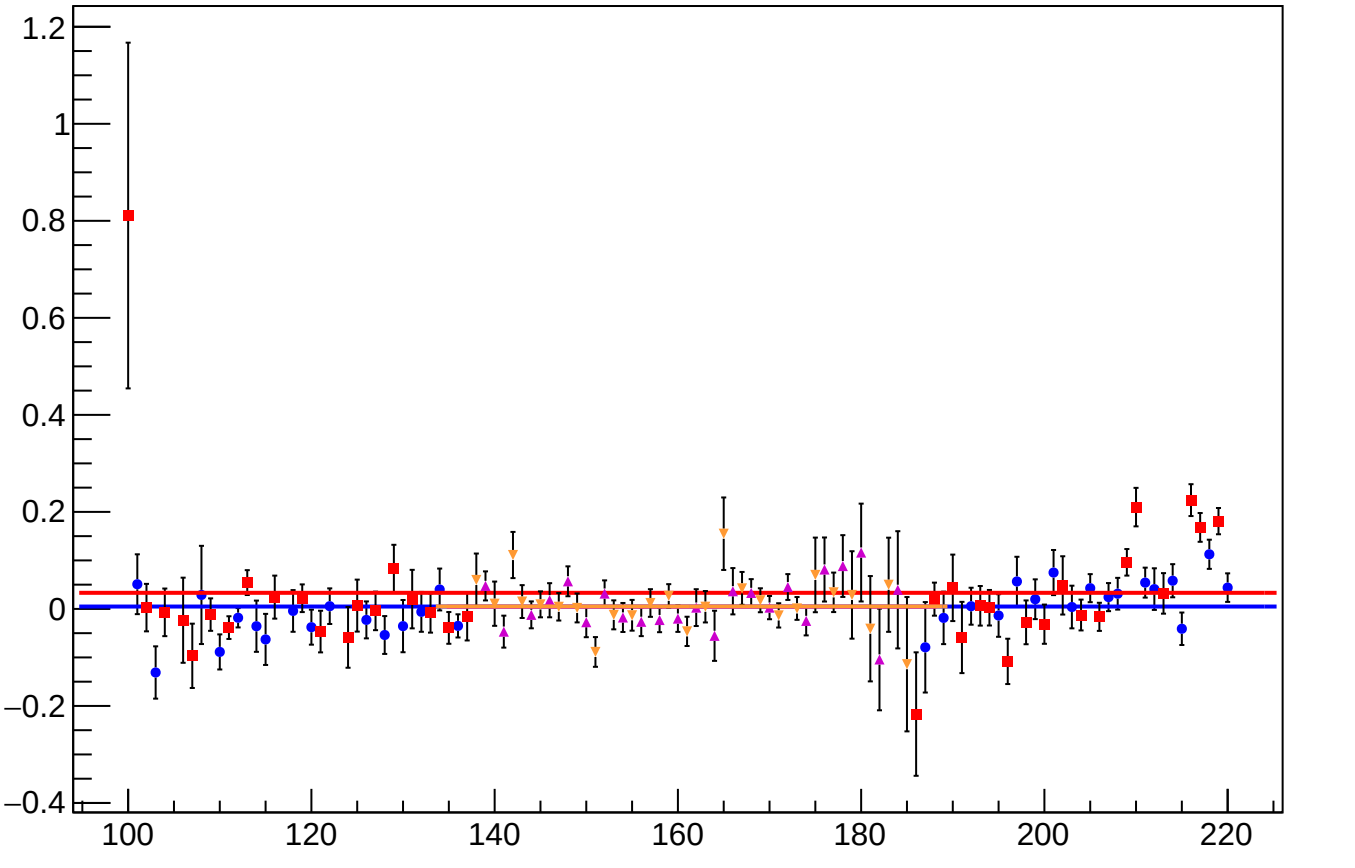
Right Out: 0.001+/-0.000 χ^2/NDF: 9836388.5/36

Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 15334677.4/57

All: 0.001+/-0.000 χ^2/NDF: 33159379.0/117

- sign 0.001+/-0.000 χ^2/NDF: 17696982.5/59



Right In: 0.005+/-0.006 χ^2/NDF: 55.1/32

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

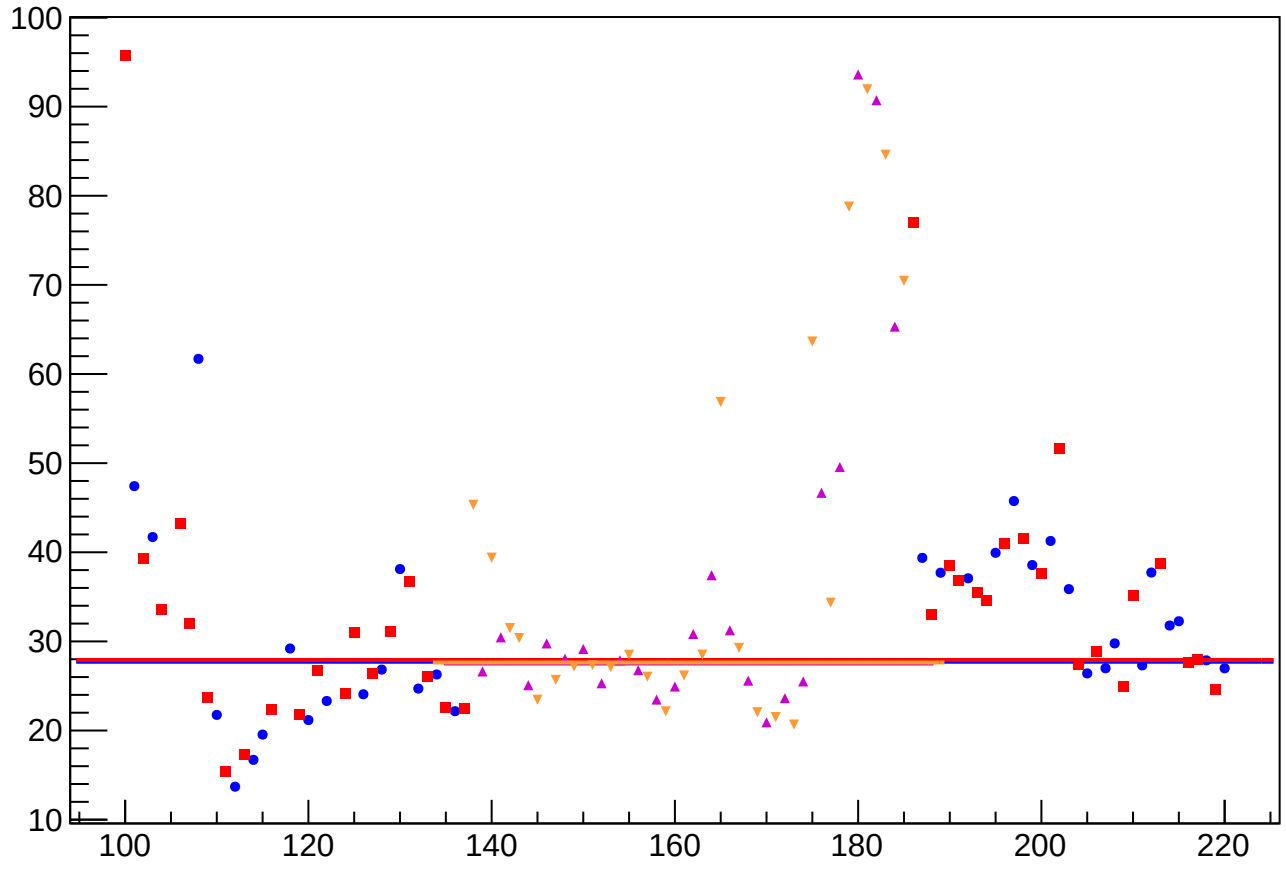
Right Out: 0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.005+/-0.005 χ^2/NDF: 83.5/57

All: 0.012+/-0.003 χ^2/NDF: 294.4/117

- sign 0.020+/-0.005 χ^2/NDF: 205.7/59



Right In: 27.721+/-0.005 χ^2/NDF: 3248730.7/32

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

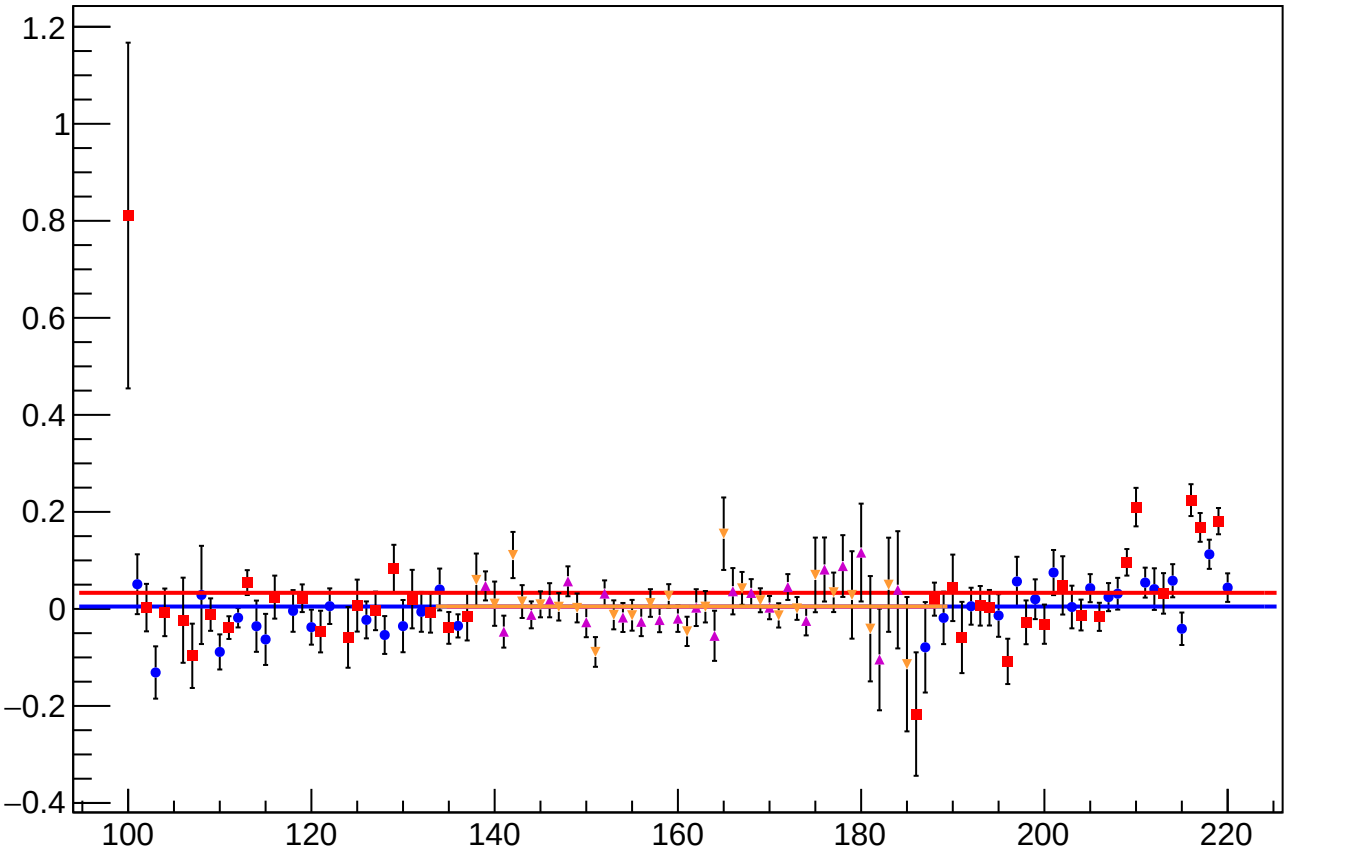
Right Out: 27.916+/-0.005 χ^2/NDF: 3077570.7/36

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.681+/-0.003 χ^2/NDF: 7222922.3/57

All: 27.708+/-0.002 χ^2/NDF: 12938554.9/117

- sign 27.737+/-0.003 χ^2/NDF: 5715491.5/59



Right In: 0.005+/-0.006 χ^2/NDF: 55.1/32

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

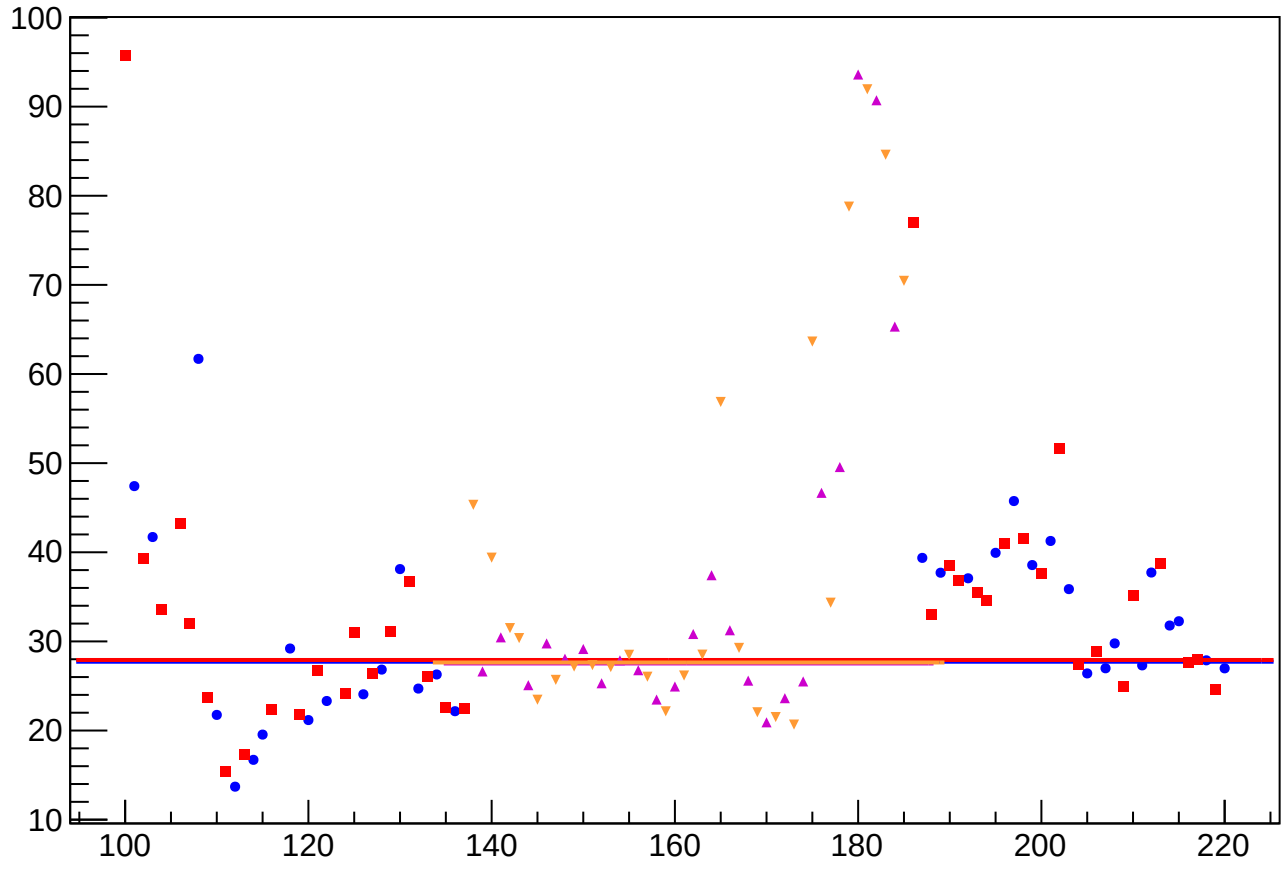
Right Out: 0.033+/-0.006 χ^2/NDF: 171.5/36

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign 0.005+/-0.005 χ^2/NDF: 83.5/57

All: 0.012+/-0.003 χ^2/NDF: 294.4/117

- sign 0.020+/-0.005 χ^2/NDF: 205.7/59



Right In: 27.721+/-0.005 χ^2/NDF: 3248730.7/32

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

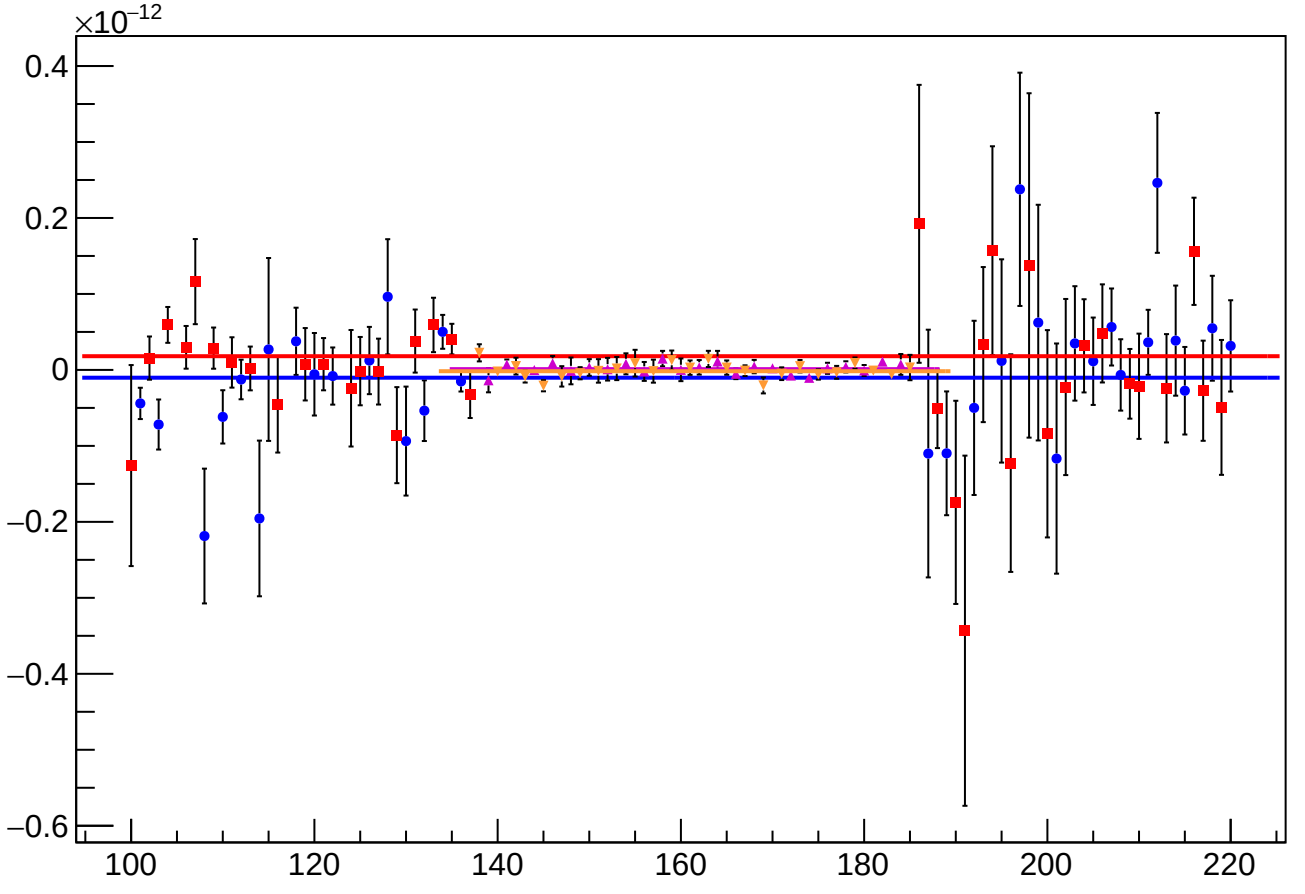
Right Out: 27.916+/-0.005 χ^2/NDF: 3077570.7/36

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.681+/-0.003 χ^2/NDF: 7222922.3/57

All: 27.708+/-0.002 χ^2/NDF: 12938554.9/117

- sign 27.737+/-0.003 χ^2/NDF: 5715491.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 49.1/32

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

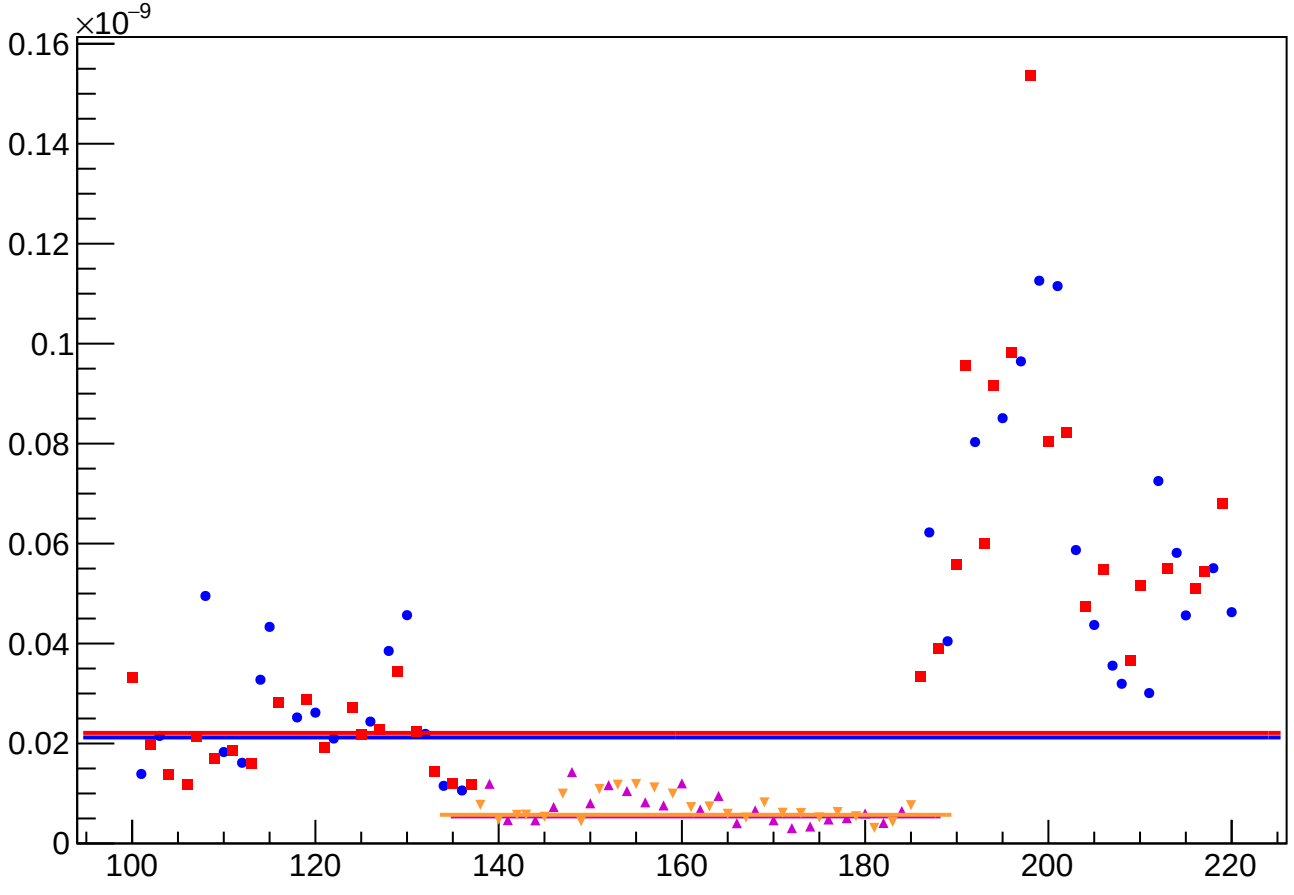
Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/36

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.9/57

All: -0.000+/-0.000 χ^2/NDF: 134.5/117

- sign 0.000+/-0.000 χ^2/NDF: 56.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 9263004.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8385023.2/36

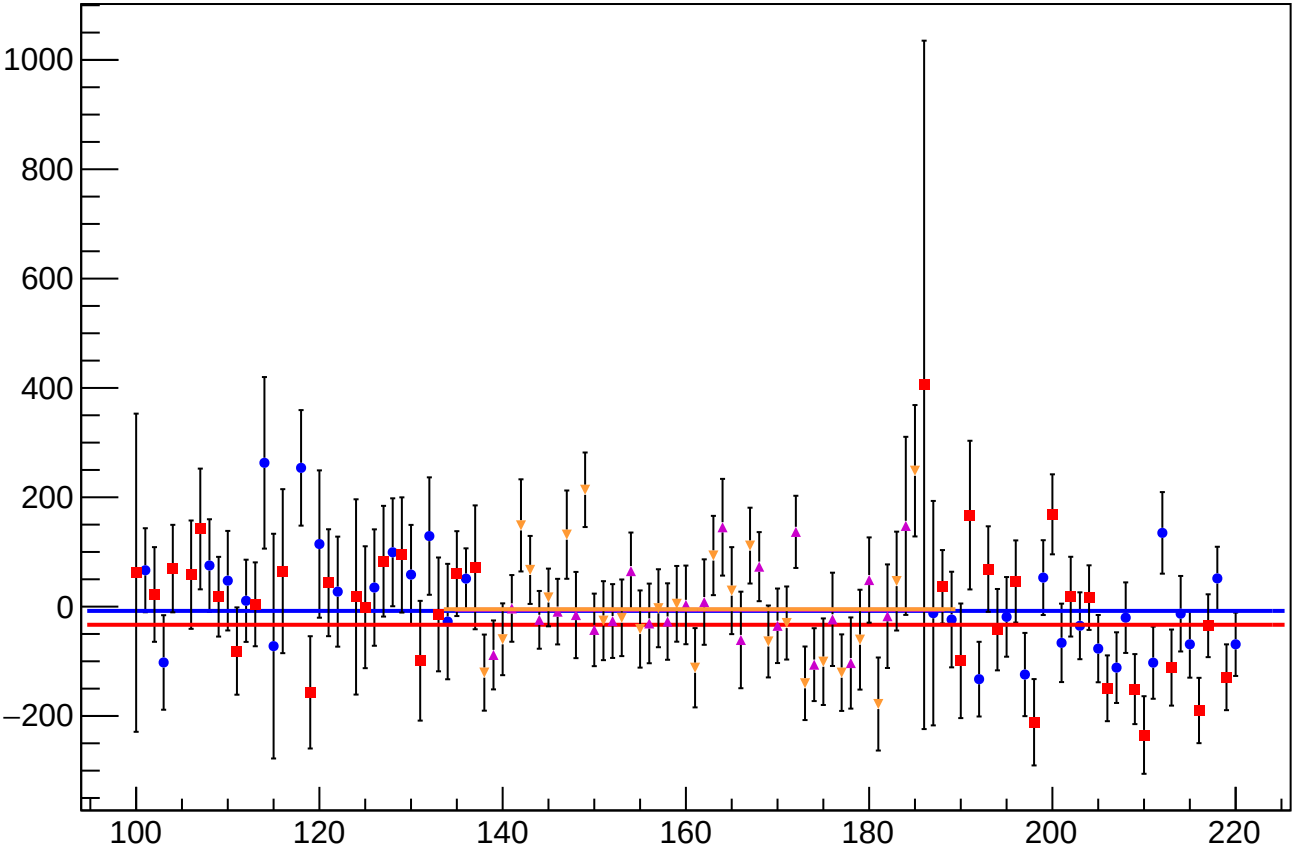
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 20947233.6/57

All: 0.000+/-0.000 χ^2/NDF: 42810096.6/117

- sign 0.000+/-0.000 χ^2/NDF: 21826670.3/59

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -7.813+/-13.492 χ^2/NDF: 38.5/32

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: -33.189+/-13.535 χ^2/NDF: 61.5/36

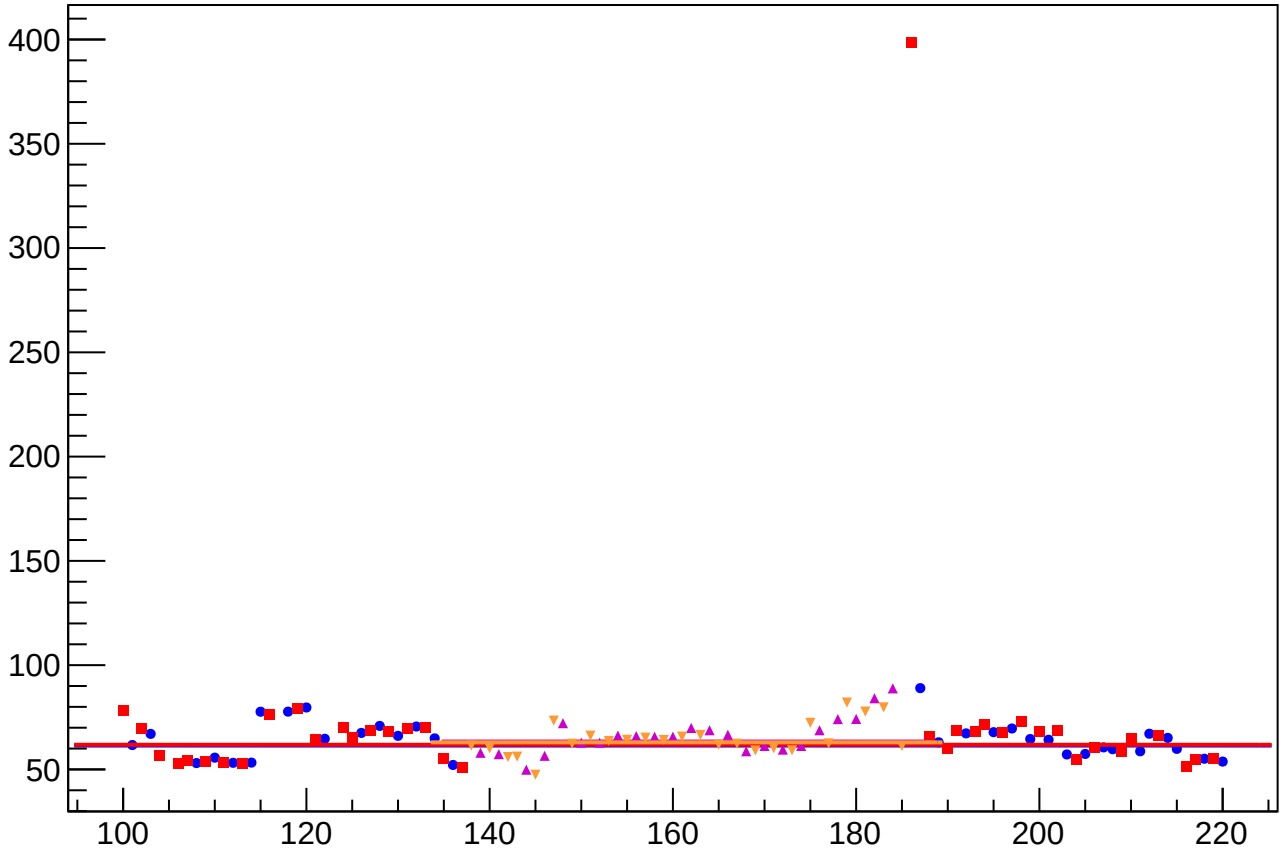
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign -6.381+/-9.856 χ^2/NDF: 85.9/57

All: -13.477+/-7.029 χ^2/NDF: 168.6/117

- sign -20.824+/-10.028 χ^2/NDF: 81.7/59

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.461+/-0.010 χ^2/NDF: 465582.9/32

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

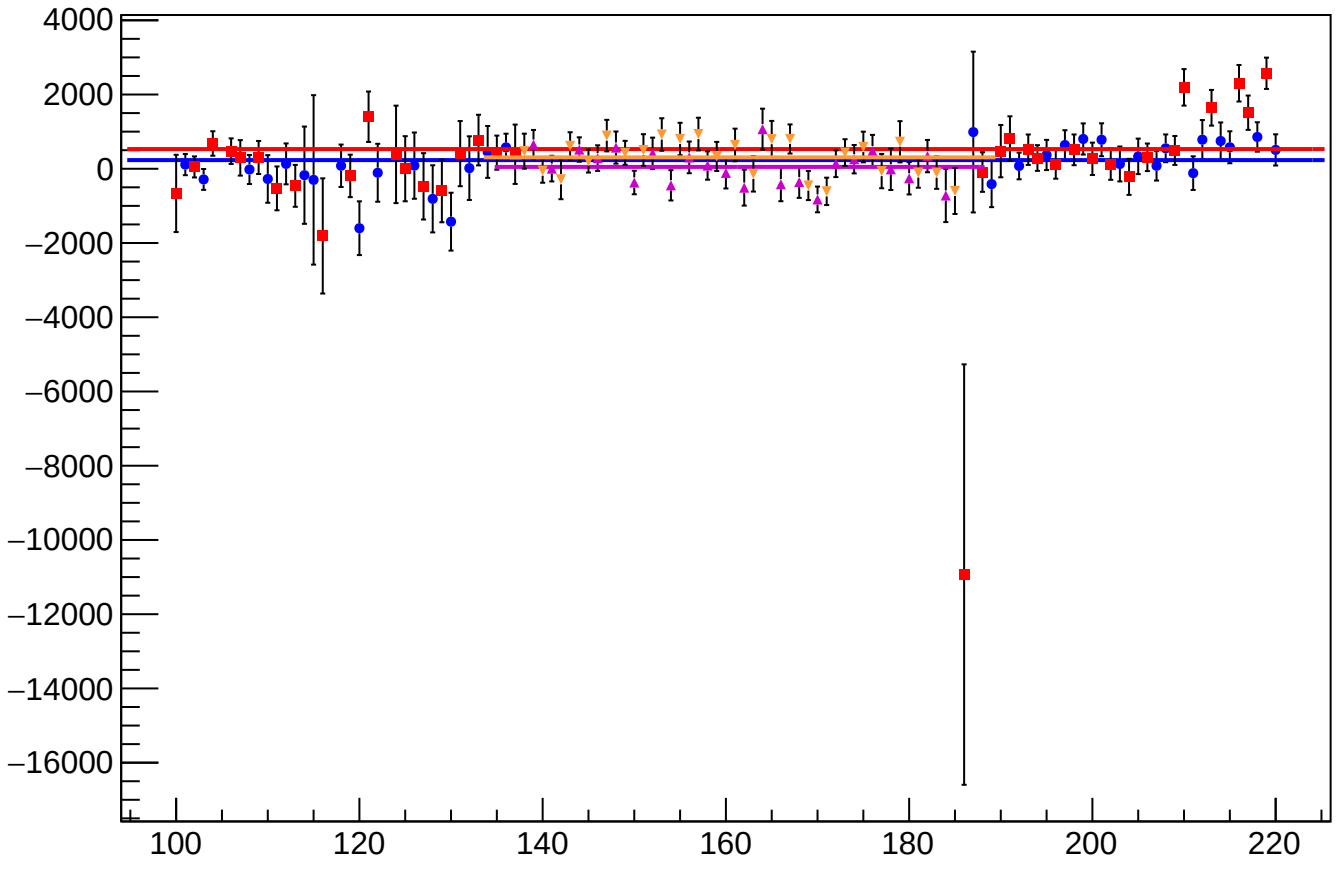
Right Out: 61.812+/-0.010 χ^2/NDF: 1162944.9/36

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.168+/-0.007 χ^2/NDF: 1004208.6/57

All: 62.337+/-0.005 χ^2/NDF: 2677165.7/117

- sign 62.513+/-0.007 χ^2/NDF: 1671751.7/59



Right In: 233.273+/-82.954 χ^2/NDF: 31.6/32

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 530.563+/-80.840 χ^2/NDF: 89.3/36

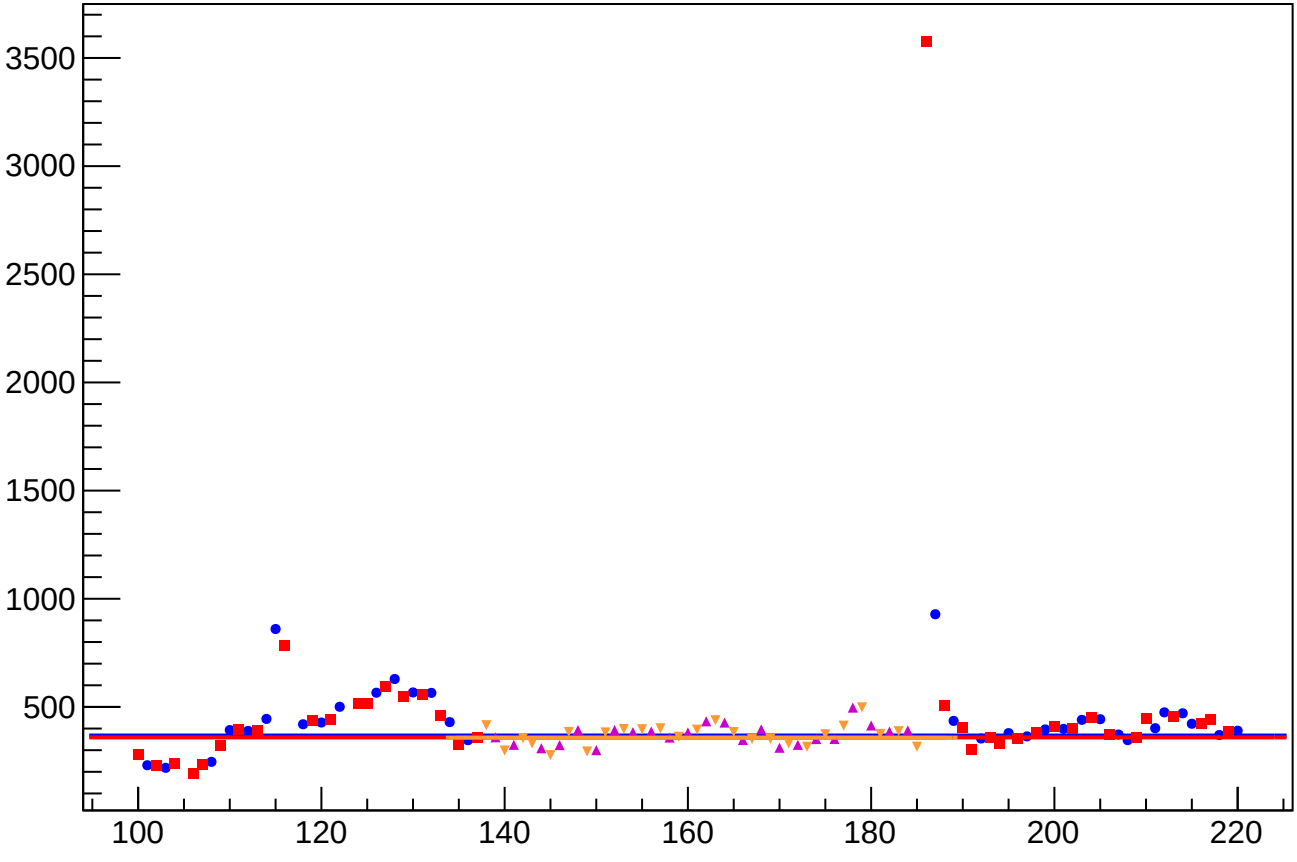
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

\+ sign 270.493+/-58.446 χ^2/NDF: 62.7/57

All: 286.168+/-41.356 χ^2/NDF: 196.2/117

\- sign 301.886+/-58.525 χ^2/NDF: 133.4/59

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 367.755+/-0.059 χ^2/NDF: 2440185.1/32

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 358.979+/-0.057 χ^2/NDF: 3281536.0/36

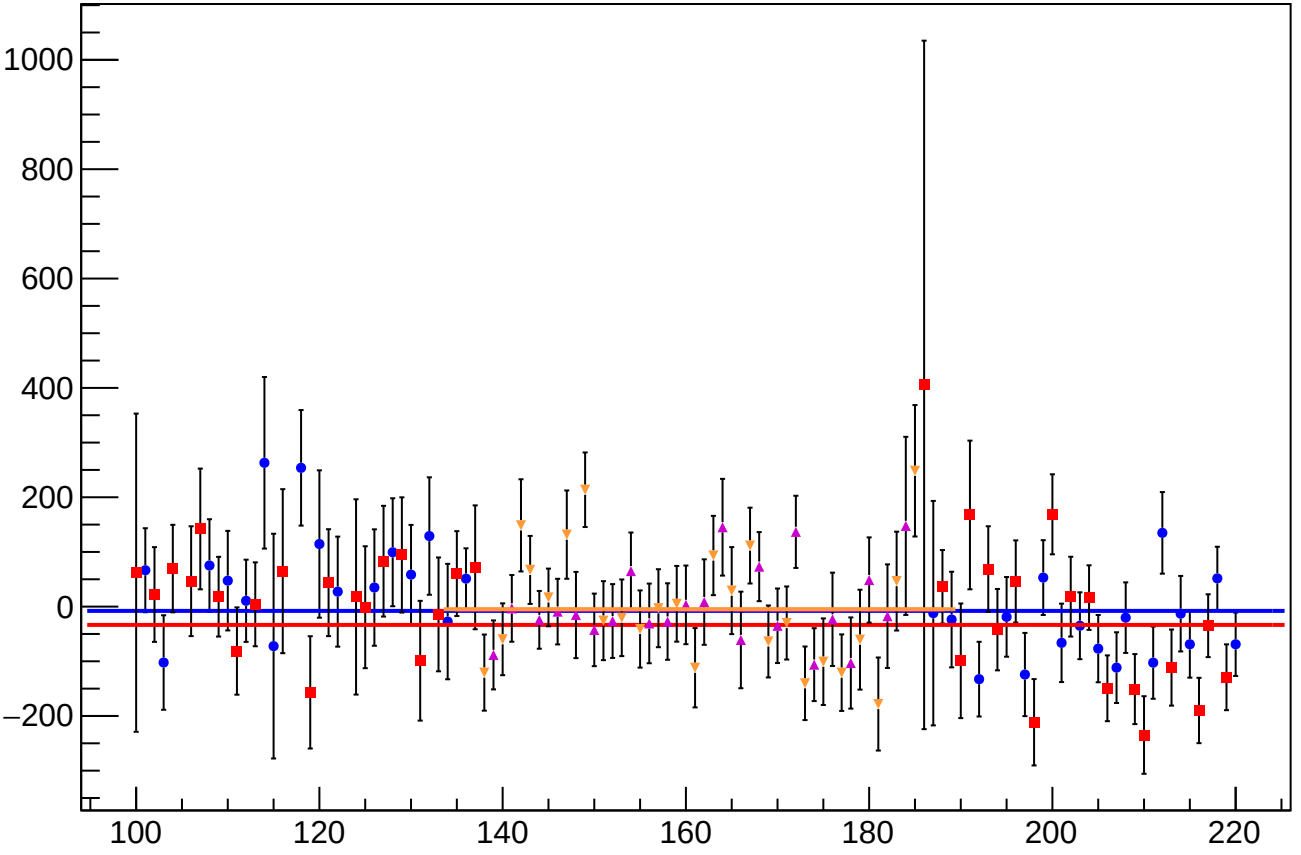
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 362.707+/-0.041 χ^2/NDF: 3138621.8/57

All: 360.934+/-0.029 χ^2/NDF: 6943625.5/117

- sign 359.156+/-0.041 χ^2/NDF: 3801315.9/59

cor_asym_sam_37_48_dd_mean vs Slug



Right In: -7.817+/-13.492 χ^2/NDF: 38.5/32

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -33.456+/-13.538 χ^2/NDF: 61.3/36

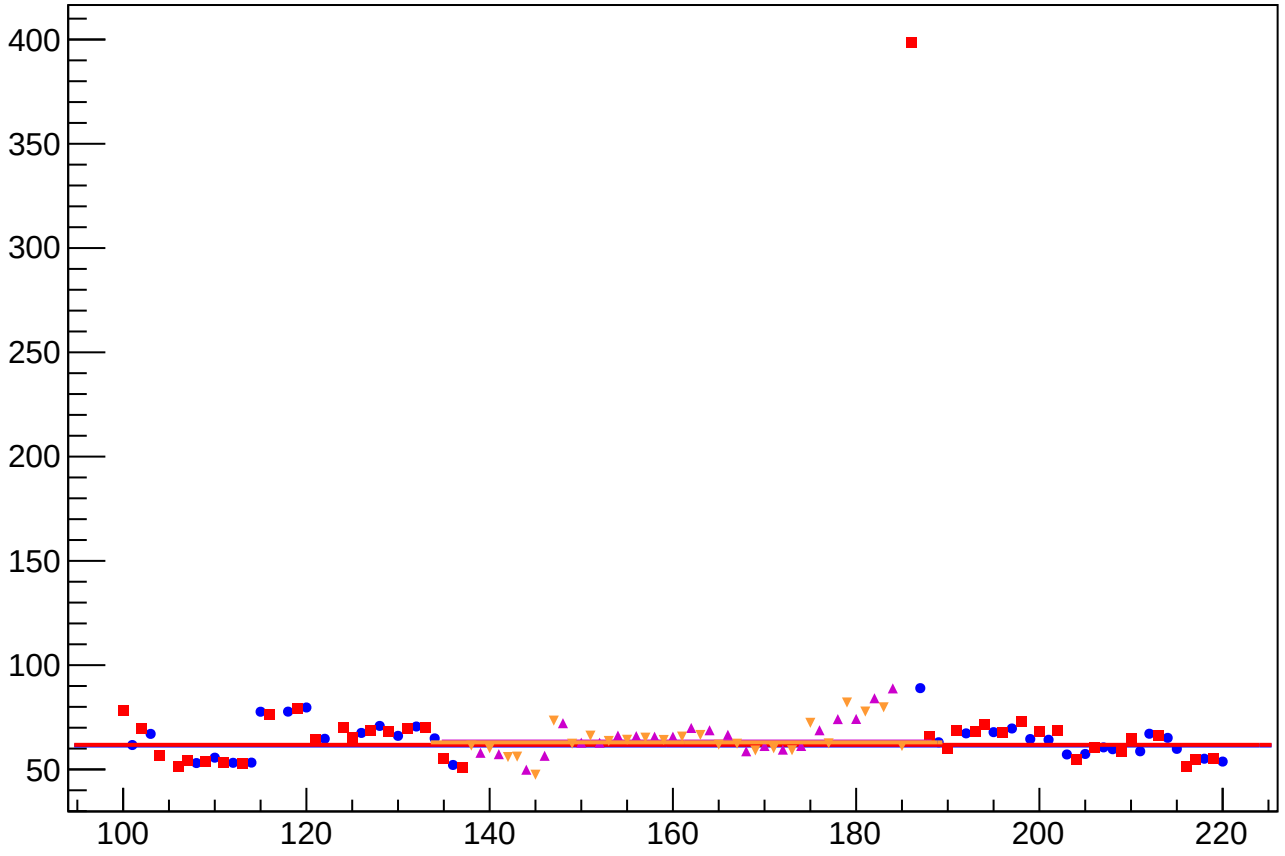
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -6.385+/-9.856 χ^2/NDF: 85.9/57

All: -13.549+/-7.030 χ^2/NDF: 168.4/117

- sign -20.966+/-10.029 χ^2/NDF: 81.5/59

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.461+/-0.010 χ^2/NDF: 465583.1/32

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

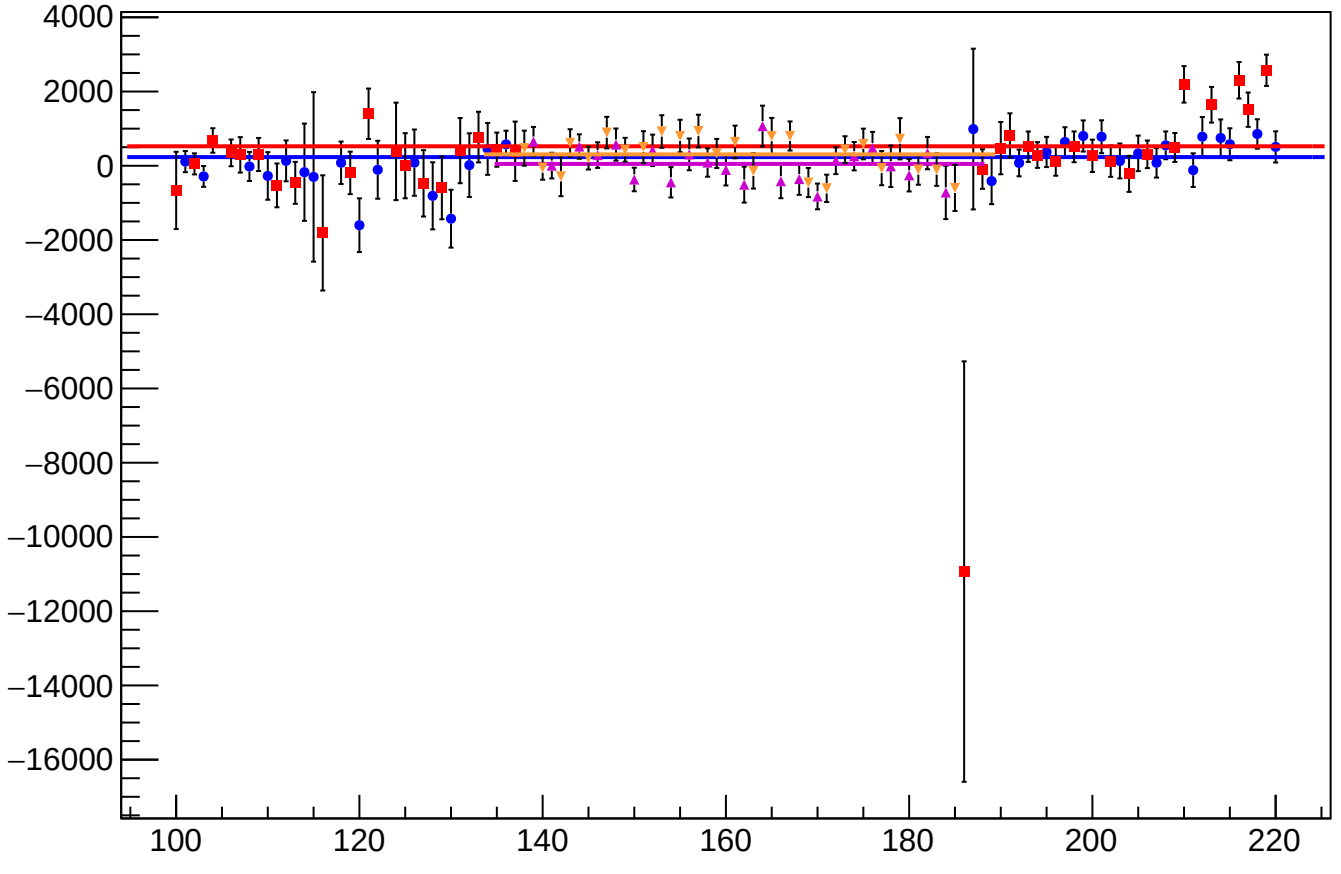
Right Out: 61.798+/-0.010 χ^2/NDF: 1166612.1/36

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.168+/-0.007 χ^2/NDF: 1004208.8/57

All: 62.333+/-0.005 χ^2/NDF: 2680996.1/117

- sign 62.505+/-0.007 χ^2/NDF: 1675634.6/59



Right In: 233.278+/-82.954 χ^2/NDF: 31.6/32

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 524.582+/-81.039 χ^2/NDF: 89.5/36

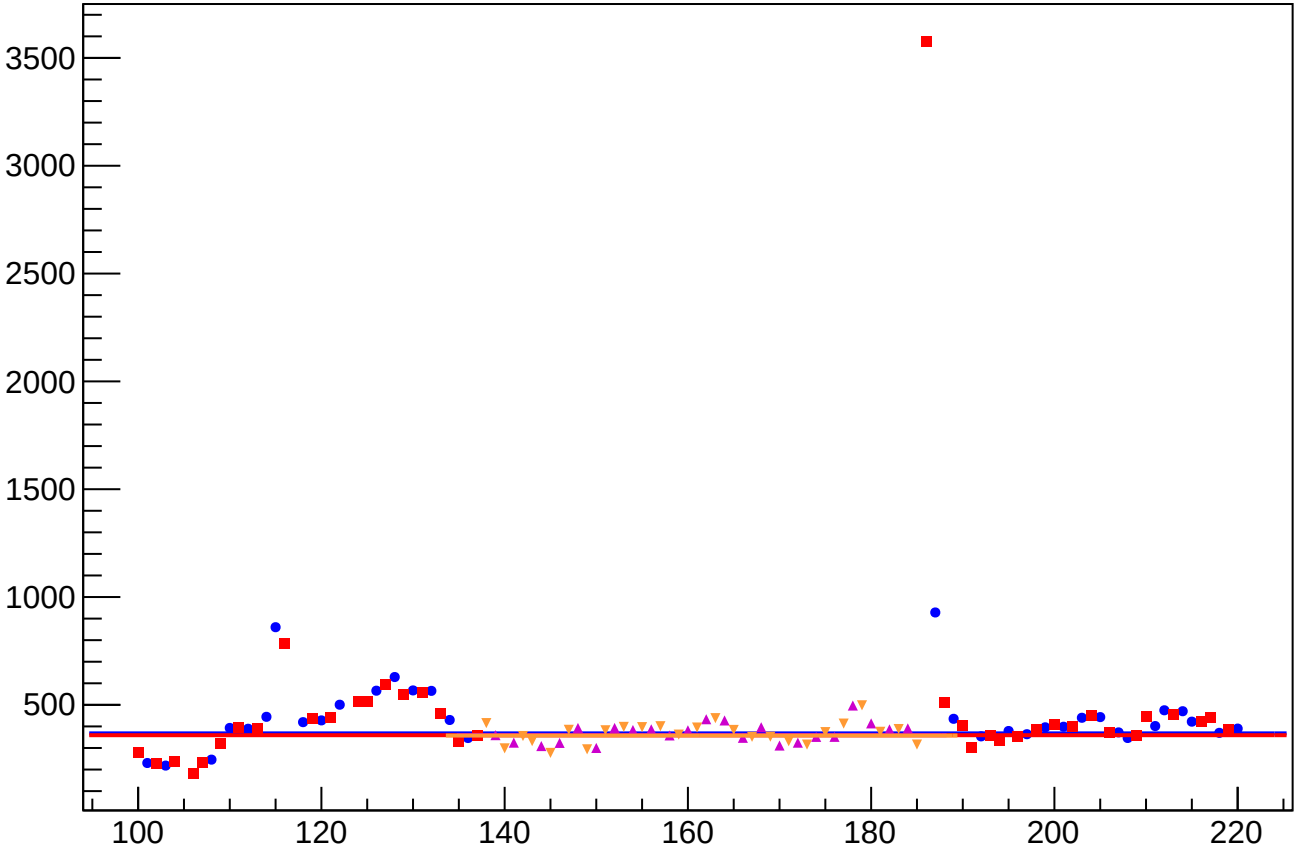
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 270.492+/-58.447 χ^2/NDF: 62.7/57

All: 284.294+/-41.382 χ^2/NDF: 195.9/117

- sign 298.169+/-58.600 χ^2/NDF: 133.1/59

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 367.757+/-0.059 χ^2/NDF: 2440093.6/32

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 359.284+/-0.057 χ^2/NDF: 3294616.1/36

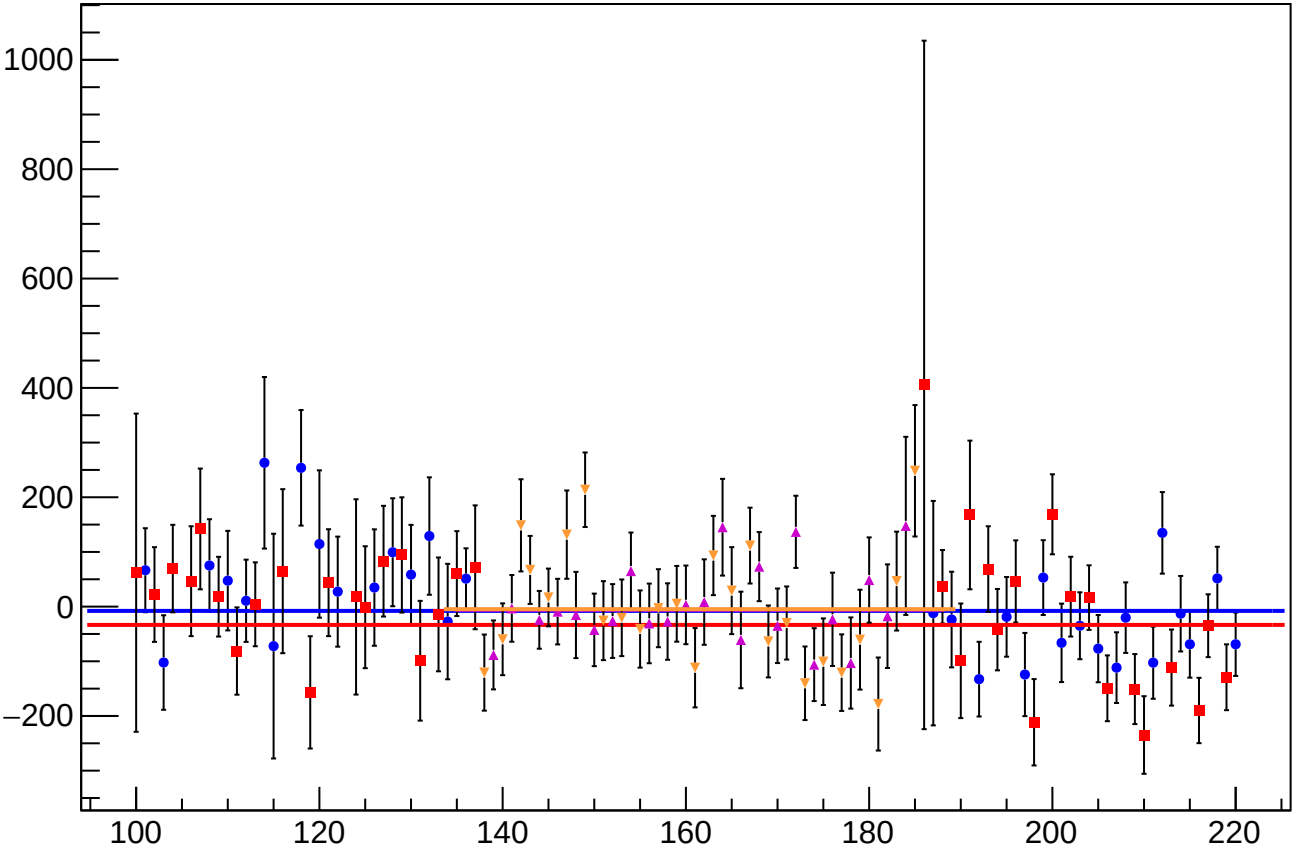
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 362.708+/-0.041 χ^2/NDF: 3138530.0/57

All: 361.016+/-0.029 χ^2/NDF: 6956270.1/117

- sign 359.315+/-0.041 χ^2/NDF: 3814379.5/59

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: -7.817+/-13.492 χ^2/NDF: 38.5/32

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: -33.456+/-13.538 χ^2/NDF: 61.3/36

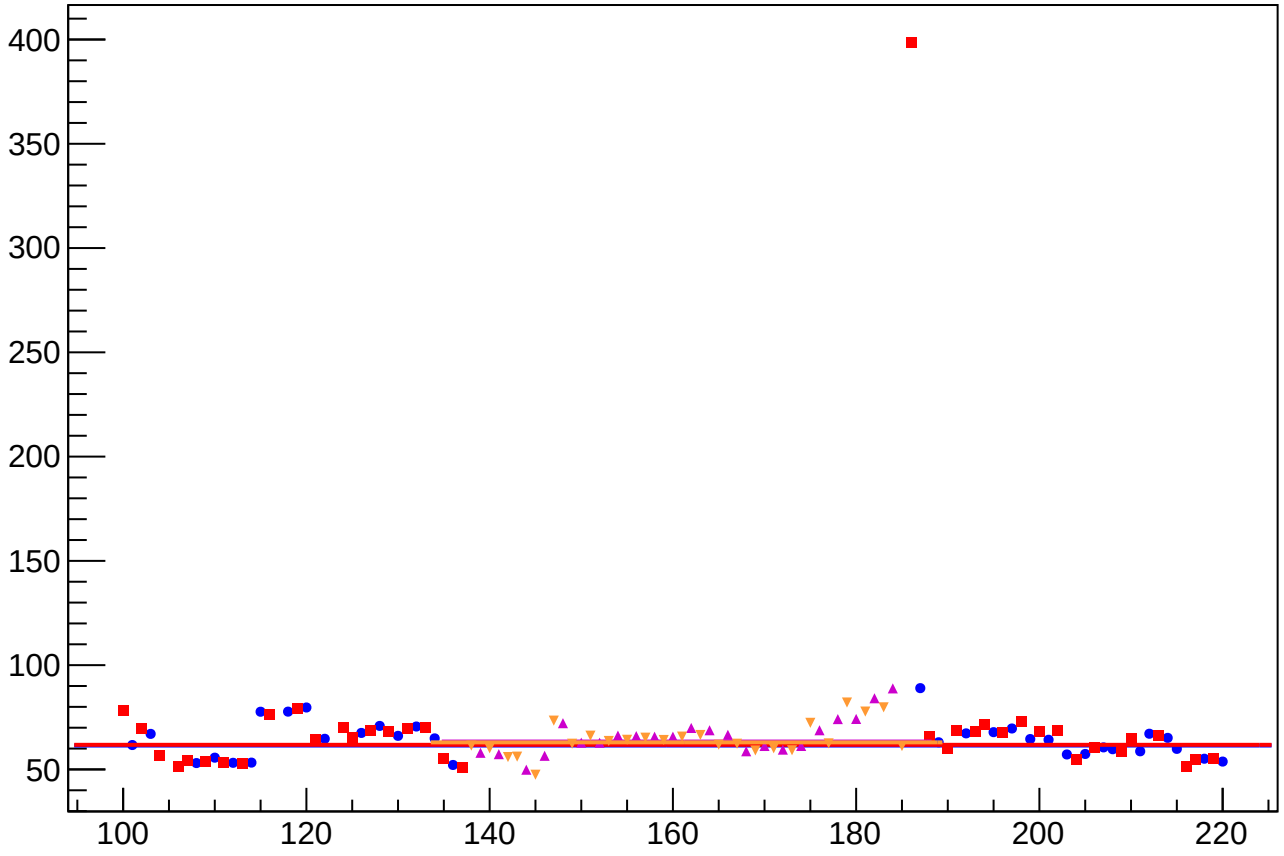
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -6.385+/-9.856 χ^2/NDF: 85.9/57

All: -13.549+/-7.030 χ^2/NDF: 168.4/117

- sign -20.966+/-10.029 χ^2/NDF: 81.5/59

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 61.461+/-0.010 χ^2/NDF: 465583.1/32

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

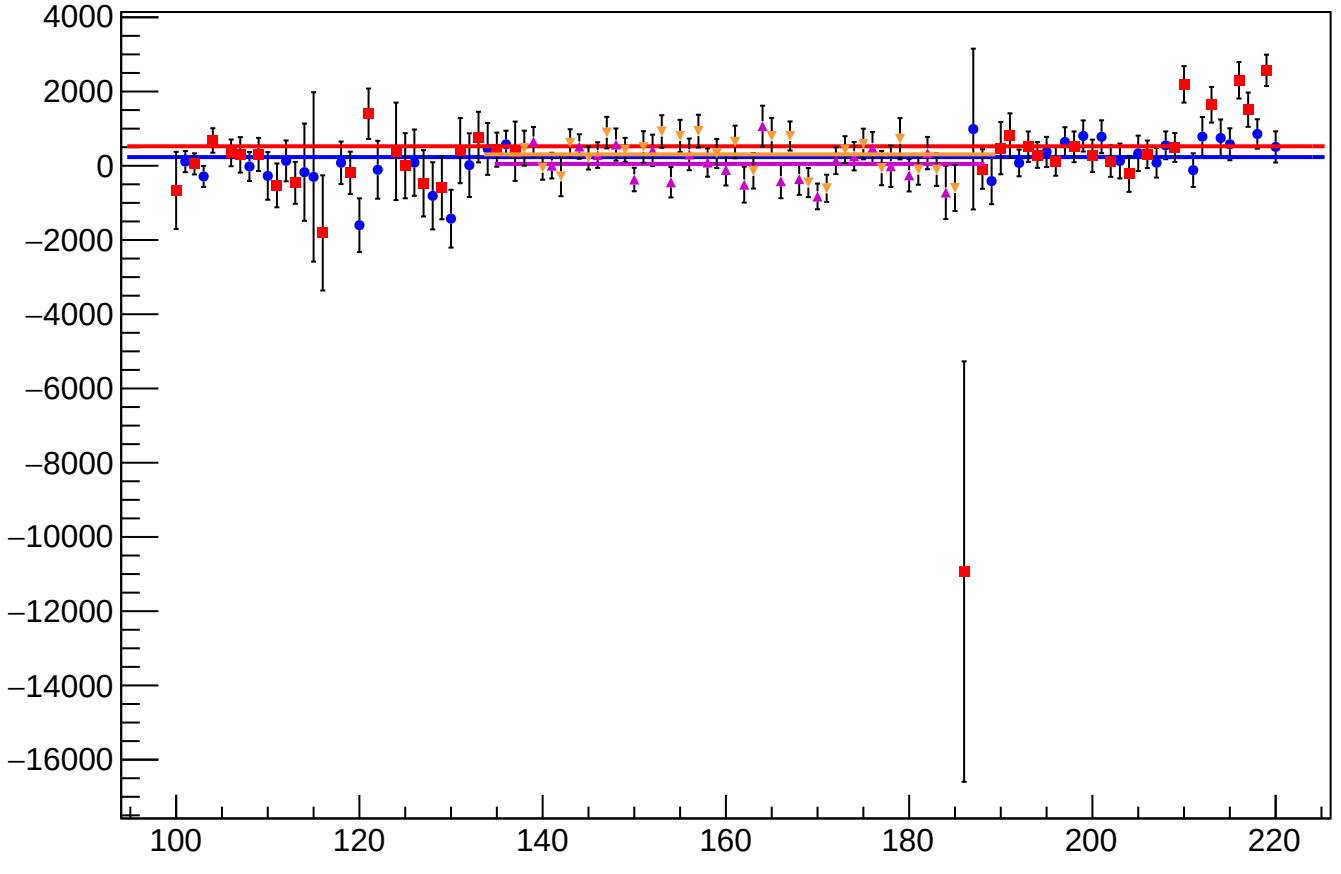
Right Out: 61.798+/-0.010 χ^2/NDF: 1166612.1/36

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.168+/-0.007 χ^2/NDF: 1004208.8/57

All: 62.333+/-0.005 χ^2/NDF: 2680996.1/117

- sign 62.505+/-0.007 χ^2/NDF: 1675634.6/59



Right In: 233.278+/-82.954 χ^2/NDF: 31.6/32

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

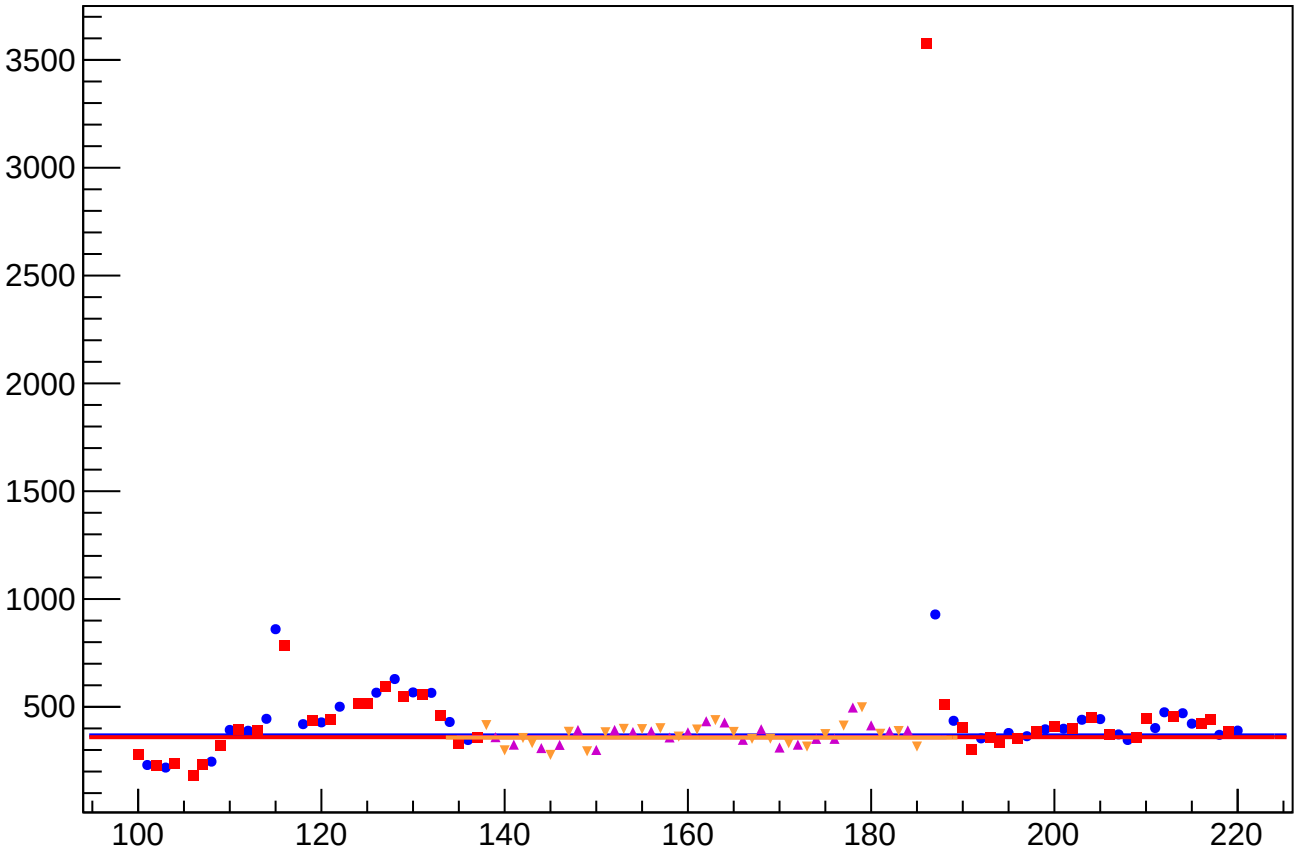
Right Out: 524.582+/-81.039 χ^2/NDF: 89.5/36

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 270.492+/-58.447 χ^2/NDF: 62.7/57

All: 284.294+/-41.382 χ^2/NDF: 195.9/117

- sign 298.169+/-58.600 χ^2/NDF: 133.1/59



Right In: 367.757+/-0.059 χ^2/NDF: 2440093.6/32

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 359.284+/-0.057 χ^2/NDF: 3294616.1/36

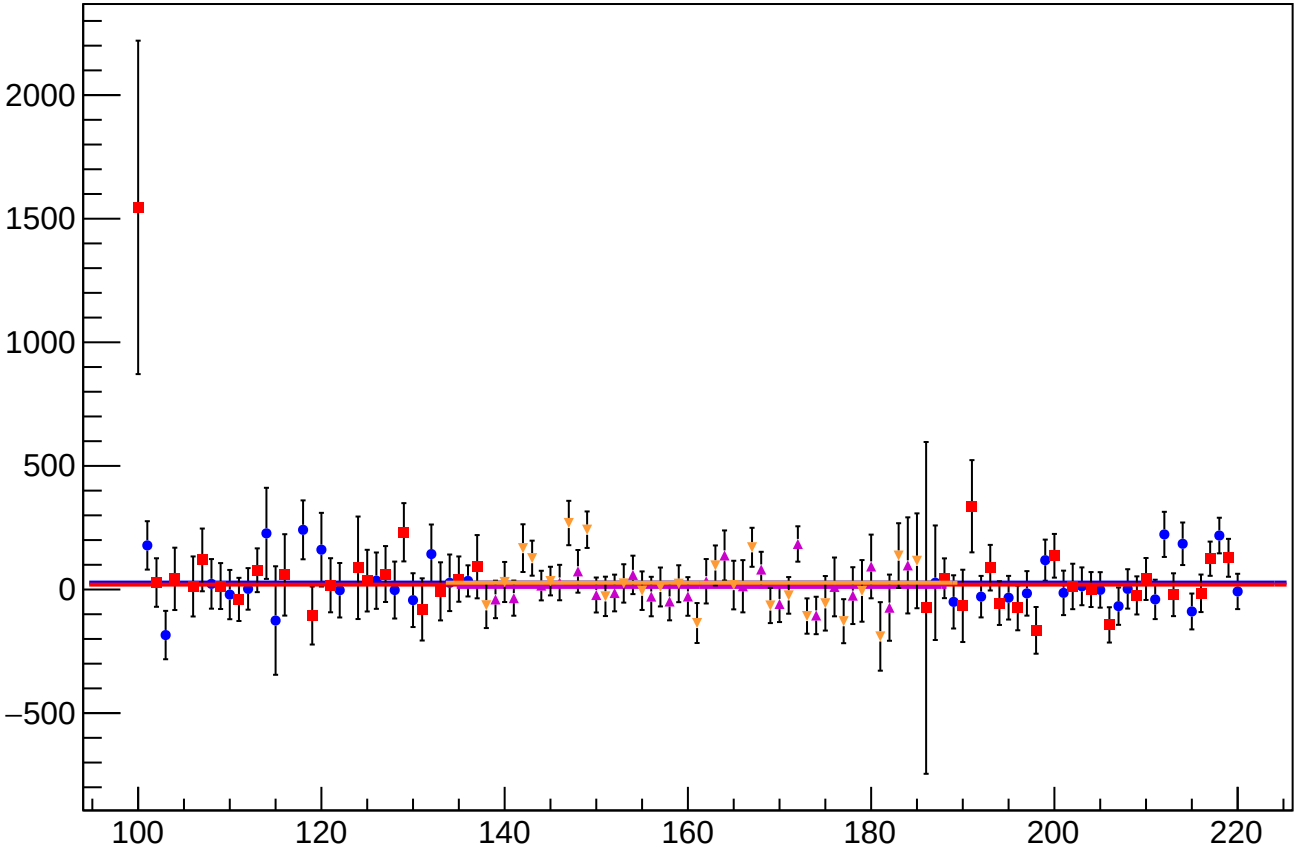
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 362.708+/-0.041 χ^2/NDF: 3138530.0/57

All: 361.016+/-0.029 χ^2/NDF: 6956270.1/117

- sign 359.315+/-0.041 χ^2/NDF: 3814379.5/59

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 27.987+/-16.036 χ^2/NDF: 38.0/32

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 19.846+/-16.293 χ^2/NDF: 34.2/36

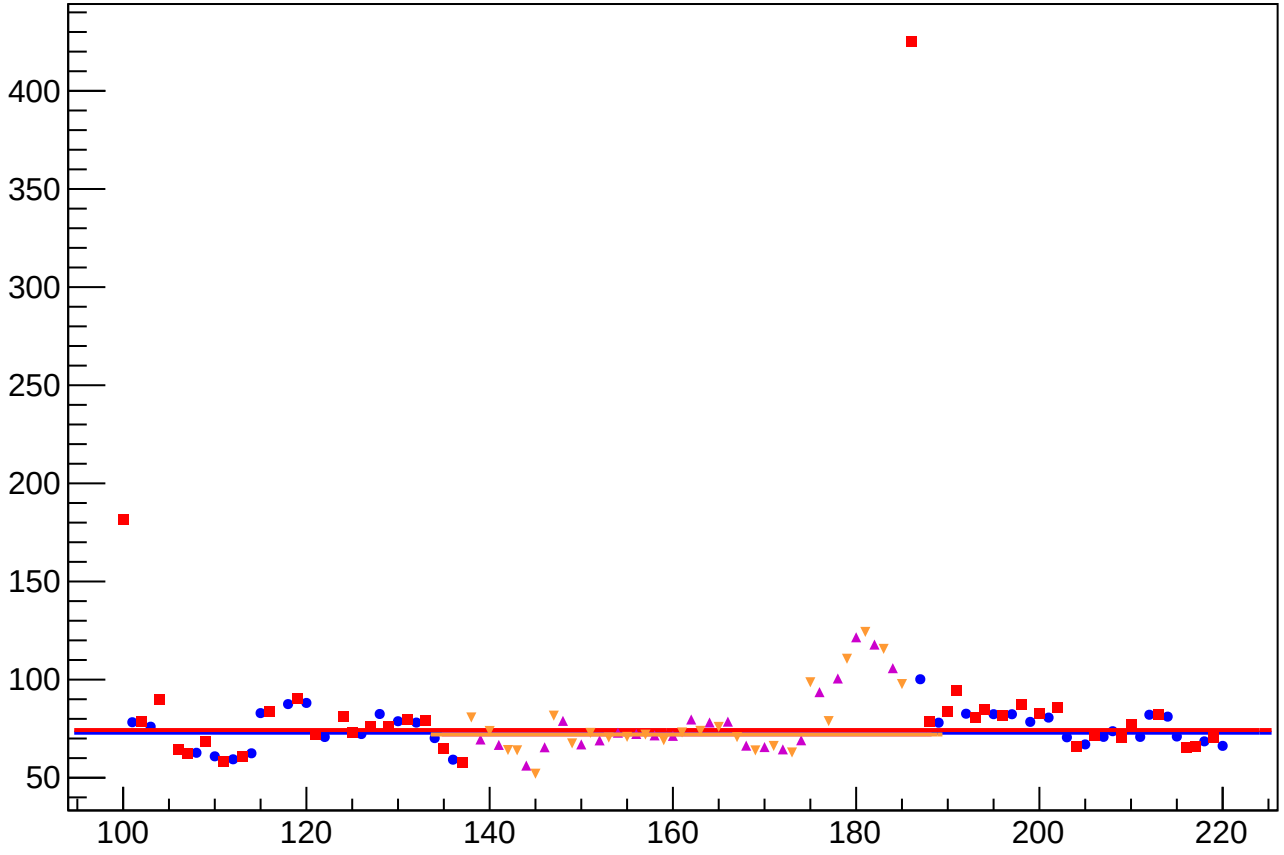
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 27.815+/-11.581 χ^2/NDF: 80.4/57

All: 21.764+/-8.278 χ^2/NDF: 131.3/117

- sign 15.443+/-11.836 χ^2/NDF: 50.4/59

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 72.945+/-0.011 χ^2/NDF: 501950.5/32

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 74.302+/-0.012 χ^2/NDF: 1188644.8/36

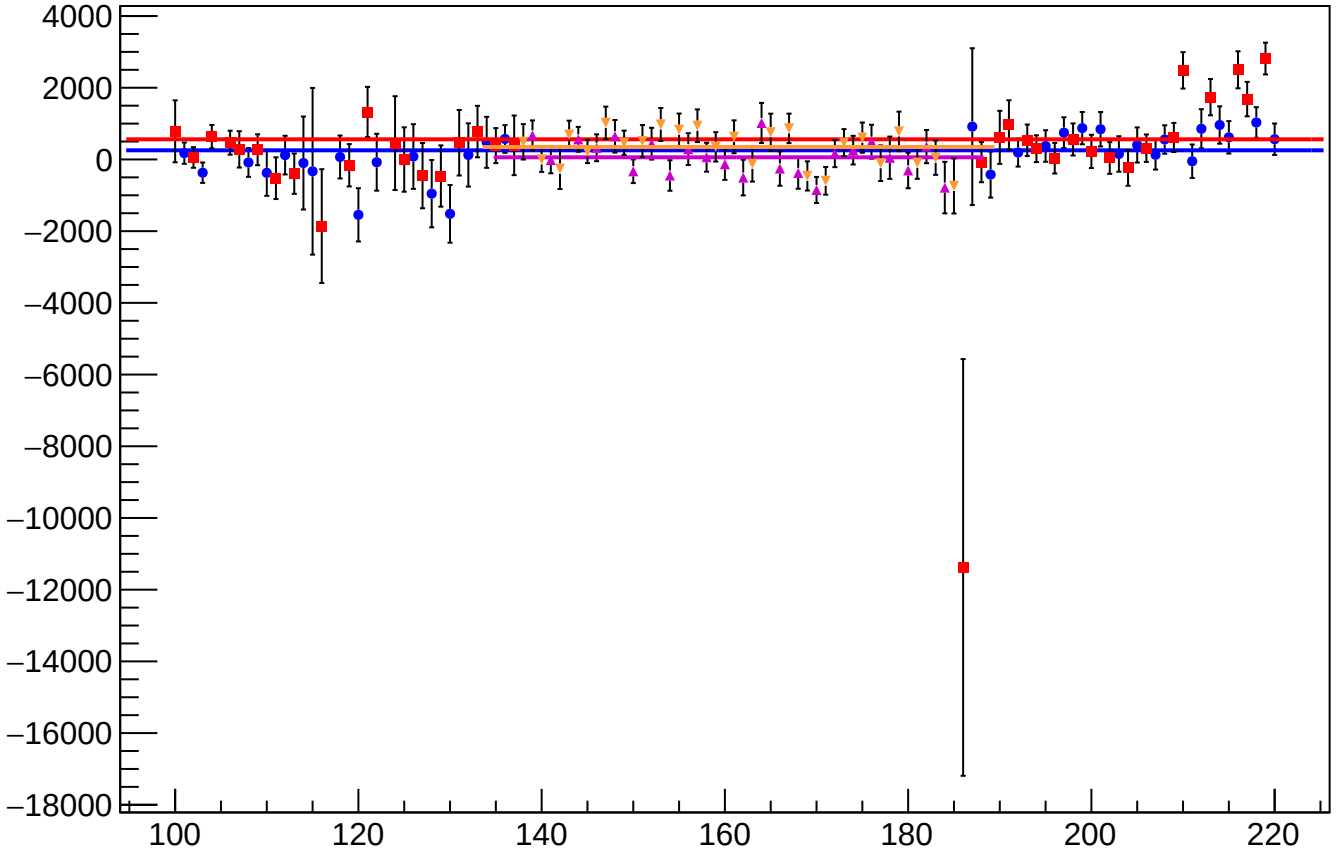
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.512+/-0.008 χ^2/NDF: 1774466.8/57

All: 72.877+/-0.006 χ^2/NDF: 4043410.8/117

- sign 73.259+/-0.008 χ^2/NDF: 2264882.2/59

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 254.644+/-86.570 χ^2/NDF: 35.0/32

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 561.802+/-83.520 χ^2/NDF: 96.8/36

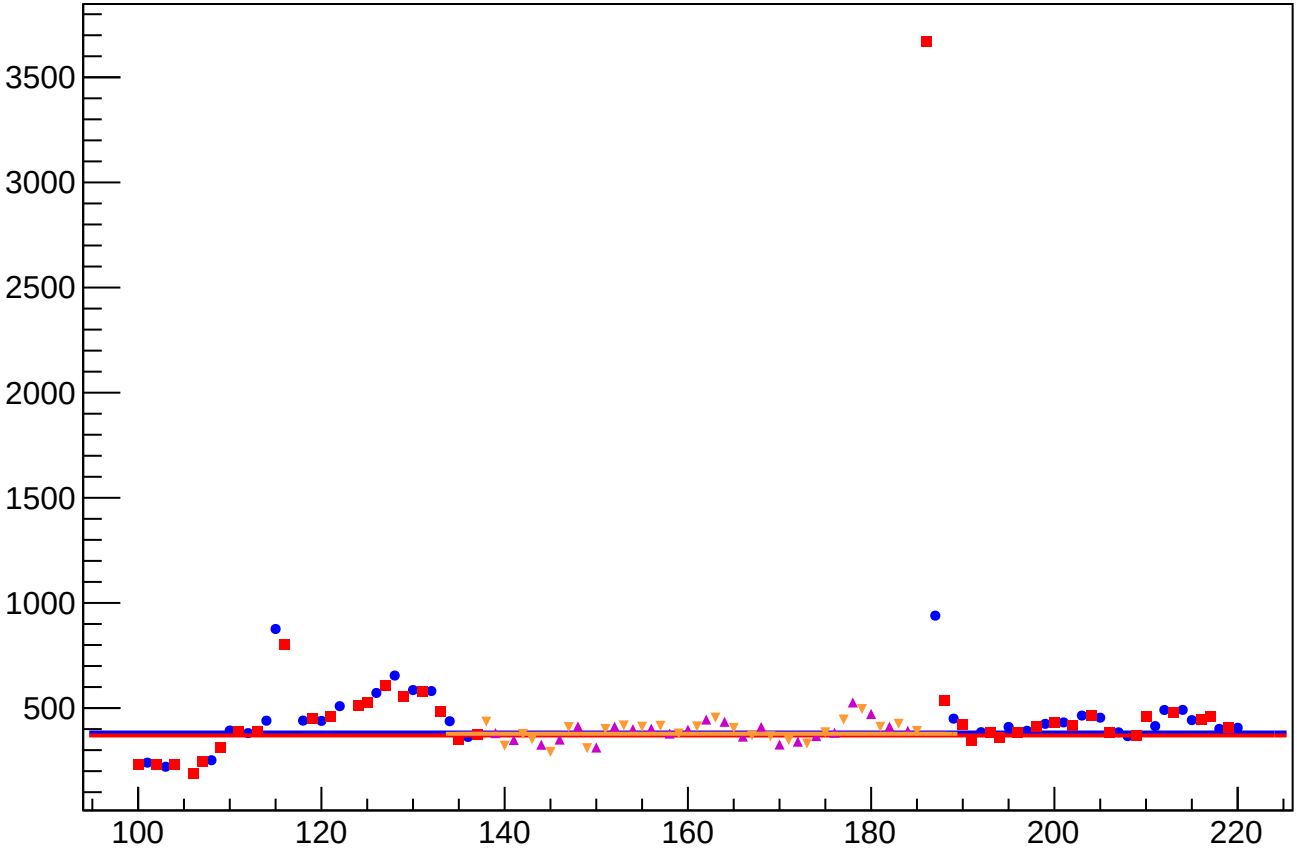
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 300.176+/-61.303 χ^2/NDF: 64.5/57

All: 314.117+/-43.252 χ^2/NDF: 204.0/117

- sign 327.935+/-61.034 χ^2/NDF: 139.4/59

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 383.771+/-0.061 χ^2/NDF: 2513240.8/32

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 369.656+/-0.059 χ^2/NDF: 3597590.8/36

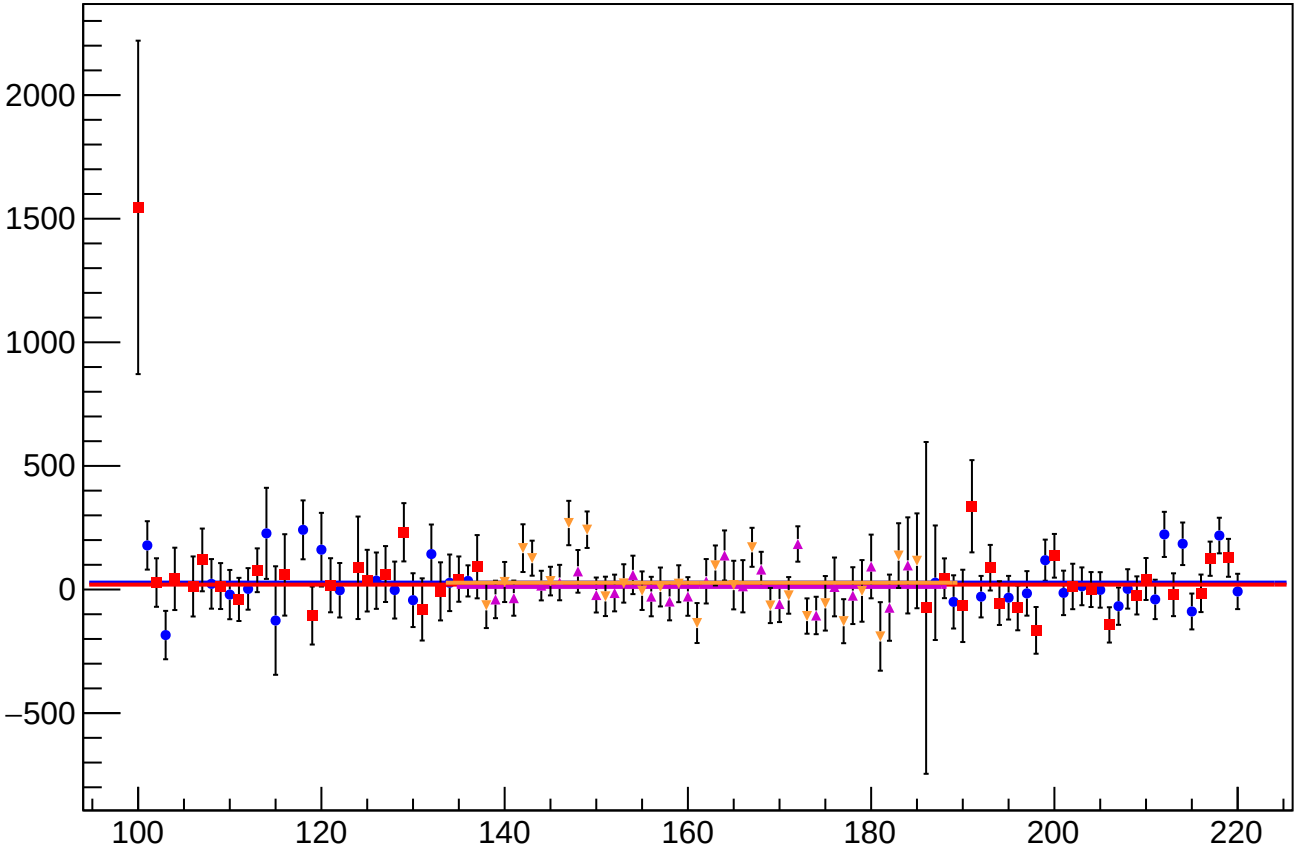
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 380.793+/-0.043 χ^2/NDF: 3154704.7/57

All: 377.356+/-0.031 χ^2/NDF: 7303837.9/117

- sign 373.949+/-0.043 χ^2/NDF: 4136616.3/59

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 27.987+/-16.036 χ^2/NDF: 38.0/32

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 19.845+/-16.293 χ^2/NDF: 34.2/36

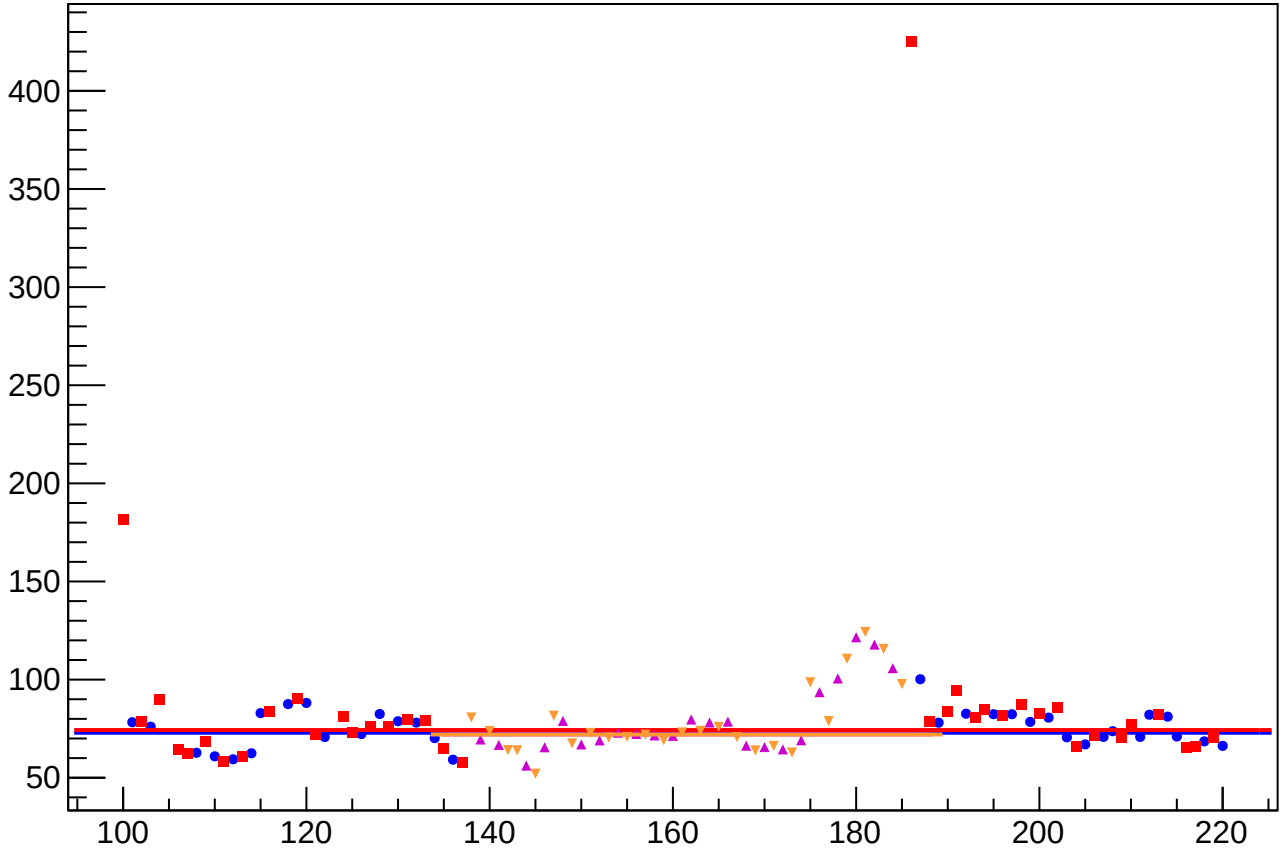
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 27.814+/-11.581 χ^2/NDF: 80.4/57

All: 21.763+/-8.278 χ^2/NDF: 131.3/117

- sign 15.442+/-11.836 χ^2/NDF: 50.4/59

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 72.945+/-0.011 χ^2/NDF: 501956.4/32

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

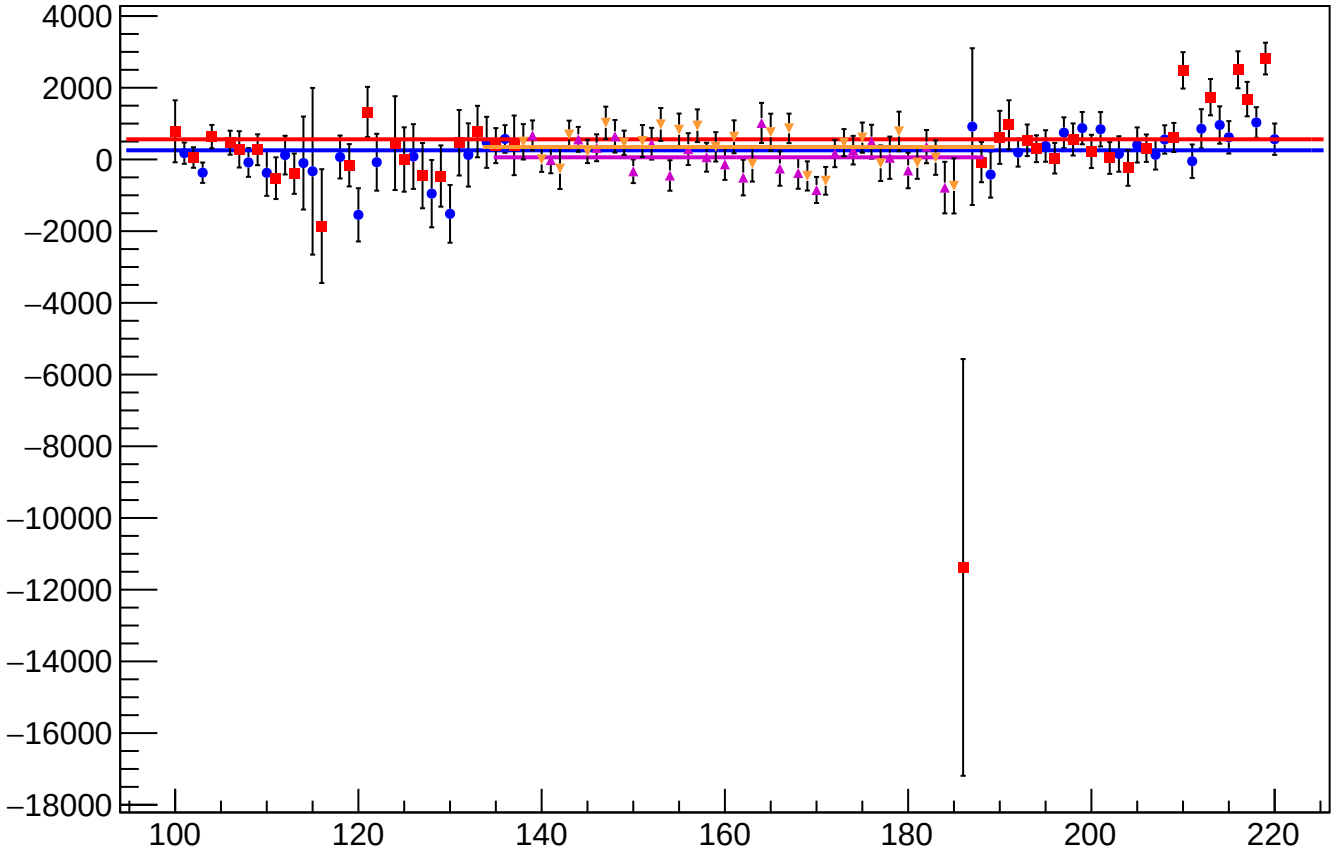
Right Out: 74.302+/-0.012 χ^2/NDF: 1188644.6/36

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

\+ sign 72.512+/-0.008 χ^2/NDF: 1774478.9/57

All: 72.877+/-0.006 χ^2/NDF: 4043411.7/117

\- sign 73.259+/-0.008 χ^2/NDF: 2264870.7/59



Right In: 254.644+/-86.570 χ^2/NDF: 35.0/32

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

Right Out: 561.802+/-83.519 χ^2/NDF: 96.8/36

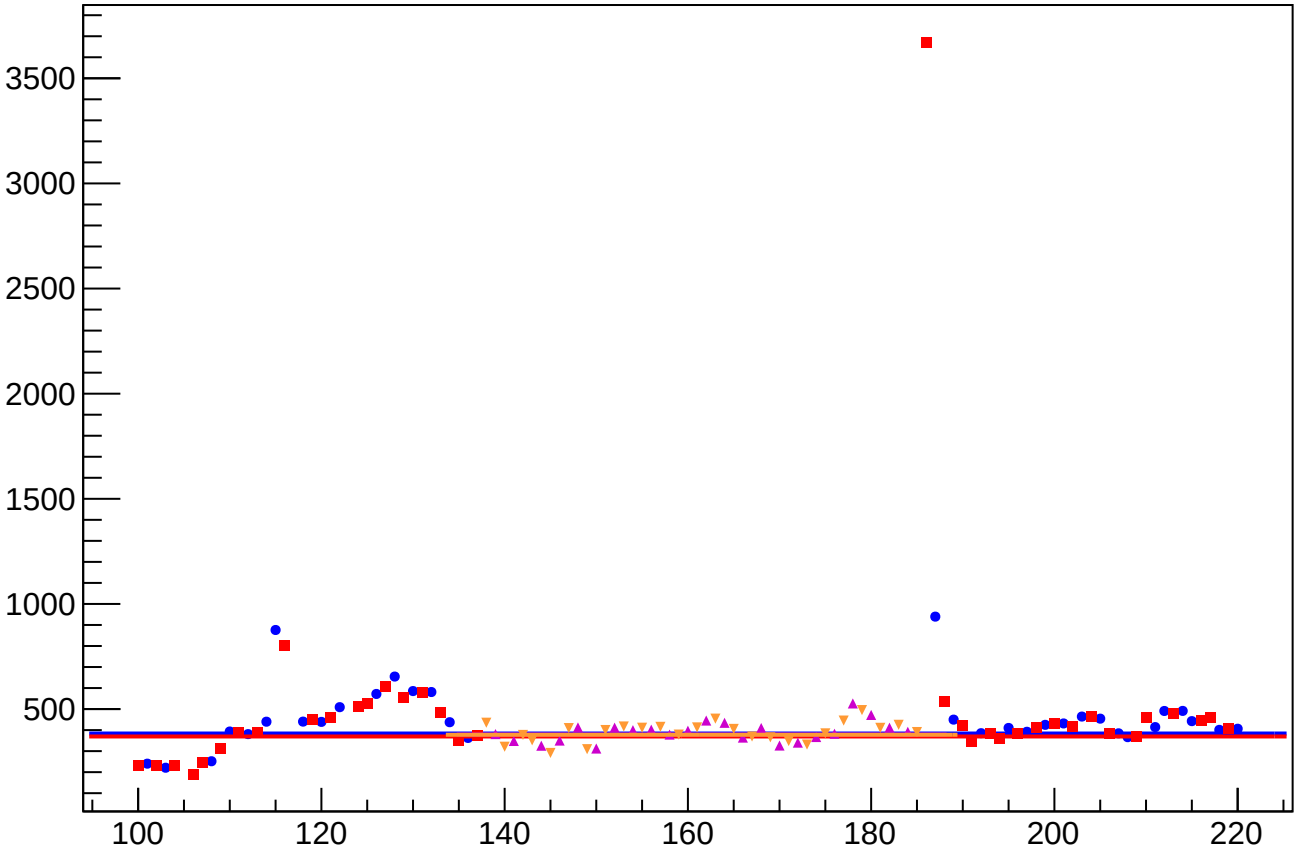
Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 300.175+/-61.303 χ^2/NDF: 64.5/57

All: 314.116+/-43.252 χ^2/NDF: 204.0/117

- sign 327.935+/-61.034 χ^2/NDF: 139.4/59

asym_sam_37_48_dd_eigen_dit_correction_rms vs Slug



Right In: 383.771+/-0.061 χ^2/NDF: 2513224.4/32

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 369.656+/-0.059 χ^2/NDF: 3597574.7/36

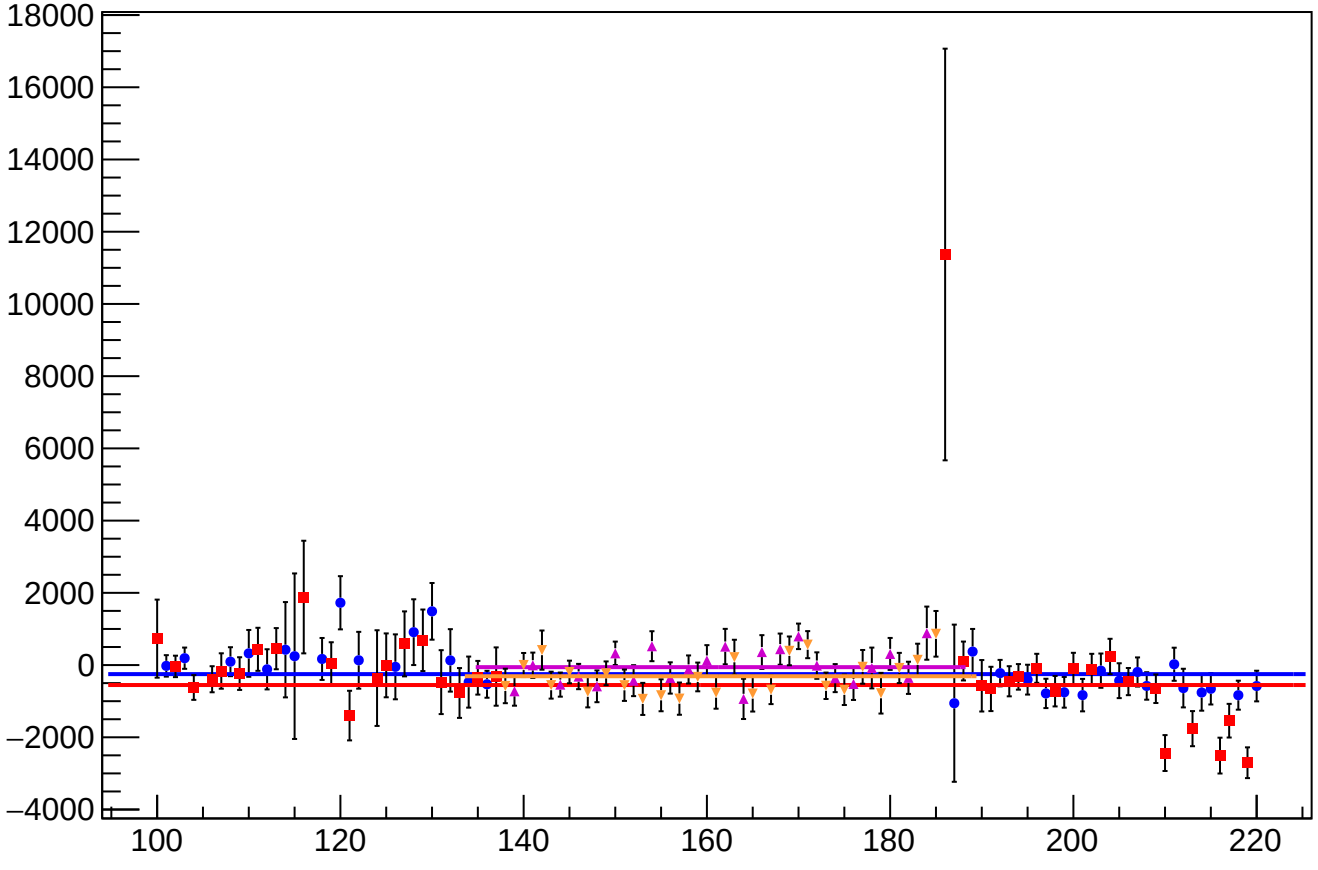
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 380.792+/-0.043 χ^2/NDF: 3154688.8/57

All: 377.356+/-0.031 χ^2/NDF: 7303801.6/117

- sign 373.949+/-0.043 χ^2/NDF: 4136595.8/59

asym_sam_37_48_dd_mean vs Slug



Right In: -250.583+/-84.475 χ^2/NDF: 32.6/32

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -552.690+/-82.466 χ^2/NDF: 99.9/36

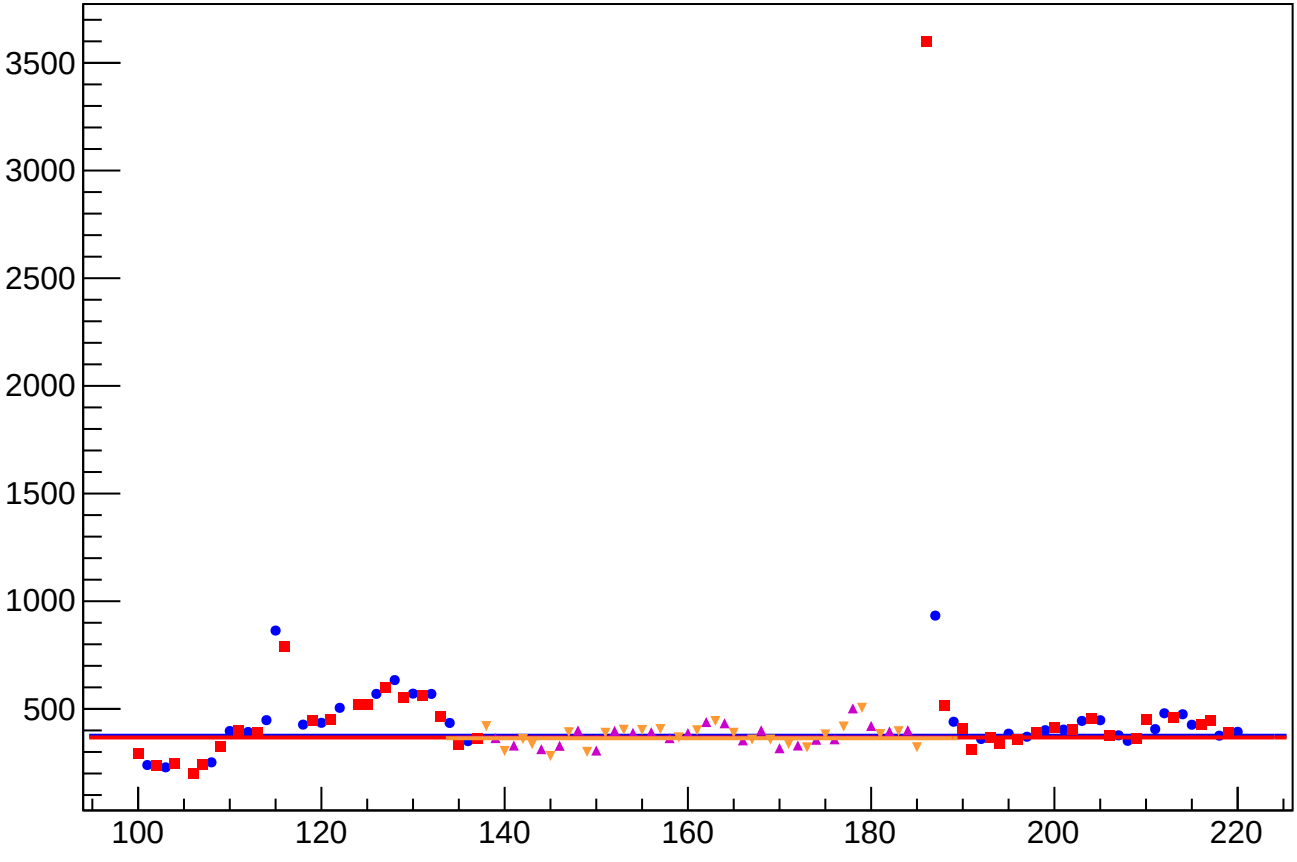
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

\+ sign -280.225+/-59.459 χ^2/NDF: 62.8/57

All: -298.142+/-42.092 χ^2/NDF: 208.2/117

\- sign -316.143+/-59.597 χ^2/NDF: 145.2/59

asym_sam_37_48_dd_rms vs Slug



Right In: 375.411+/-0.060 χ^2/NDF: 2255538.4/32

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

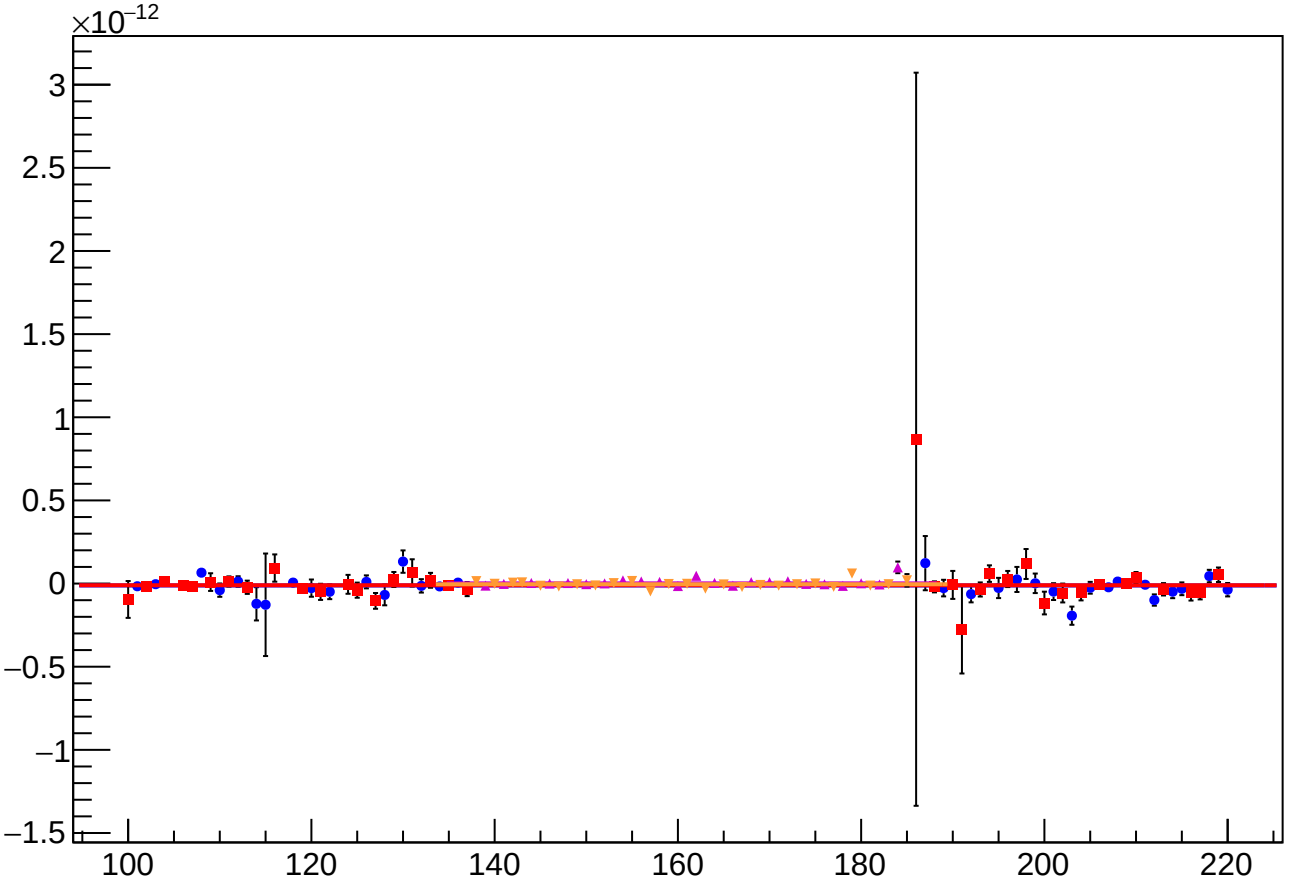
Right Out: 367.239+/-0.058 χ^2/NDF: 3064551.5/36

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 369.509+/-0.042 χ^2/NDF: 2944130.9/57

All: 367.920+/-0.030 χ^2/NDF: 6521556.5/117

- sign 366.324+/-0.042 χ^2/NDF: 3574563.0/59



Right In: -0.000+/-0.000 χ^2/NDF: 43.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

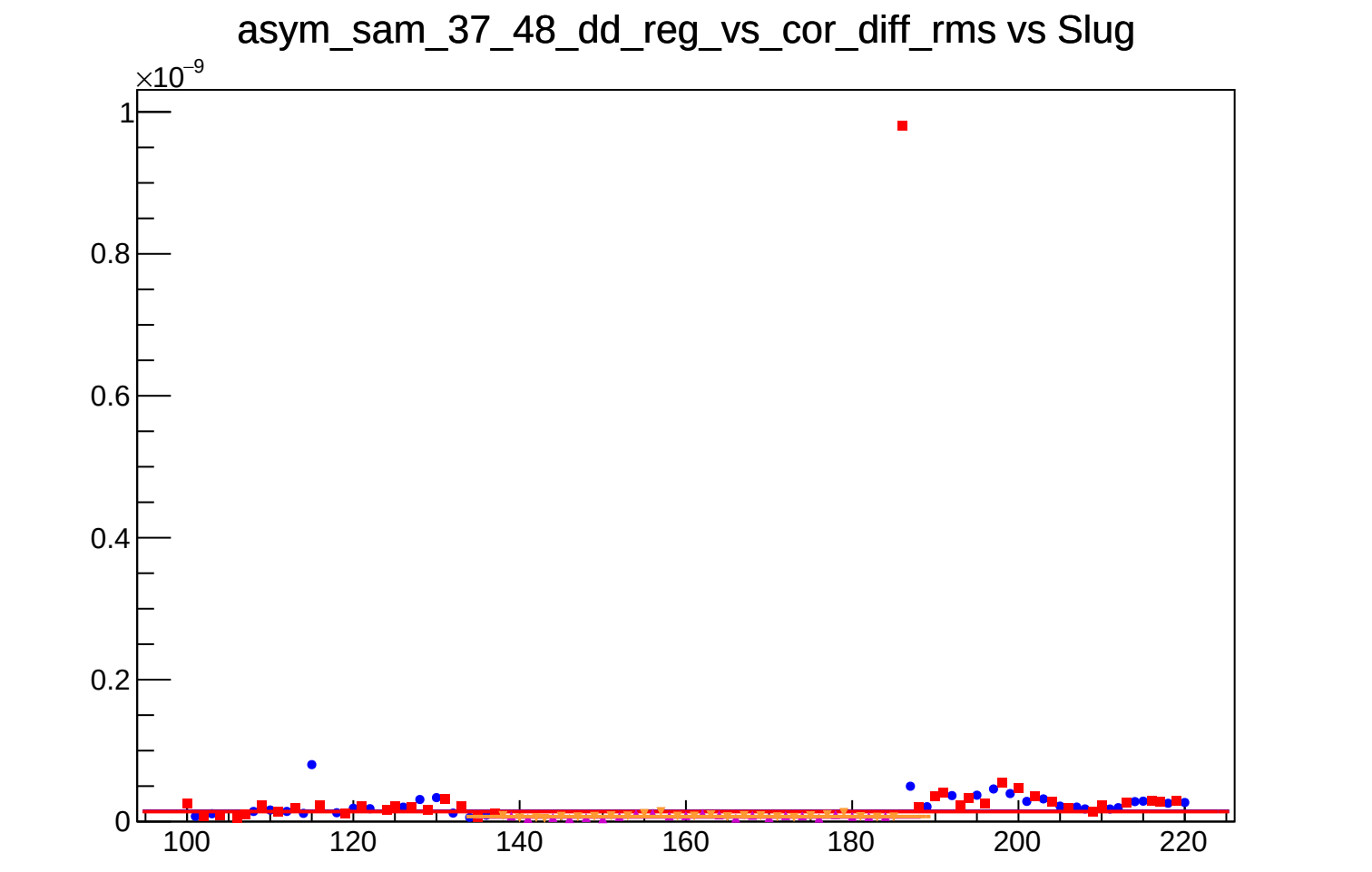
Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/36

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.3/57

All: -0.000+/-0.000 χ^2/NDF: 123.5/117

- sign -0.000+/-0.000 χ^2/NDF: 55.2/59



Right In: 0.000+/-0.000 χ^2/NDF: 5003696.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5821503.0/36

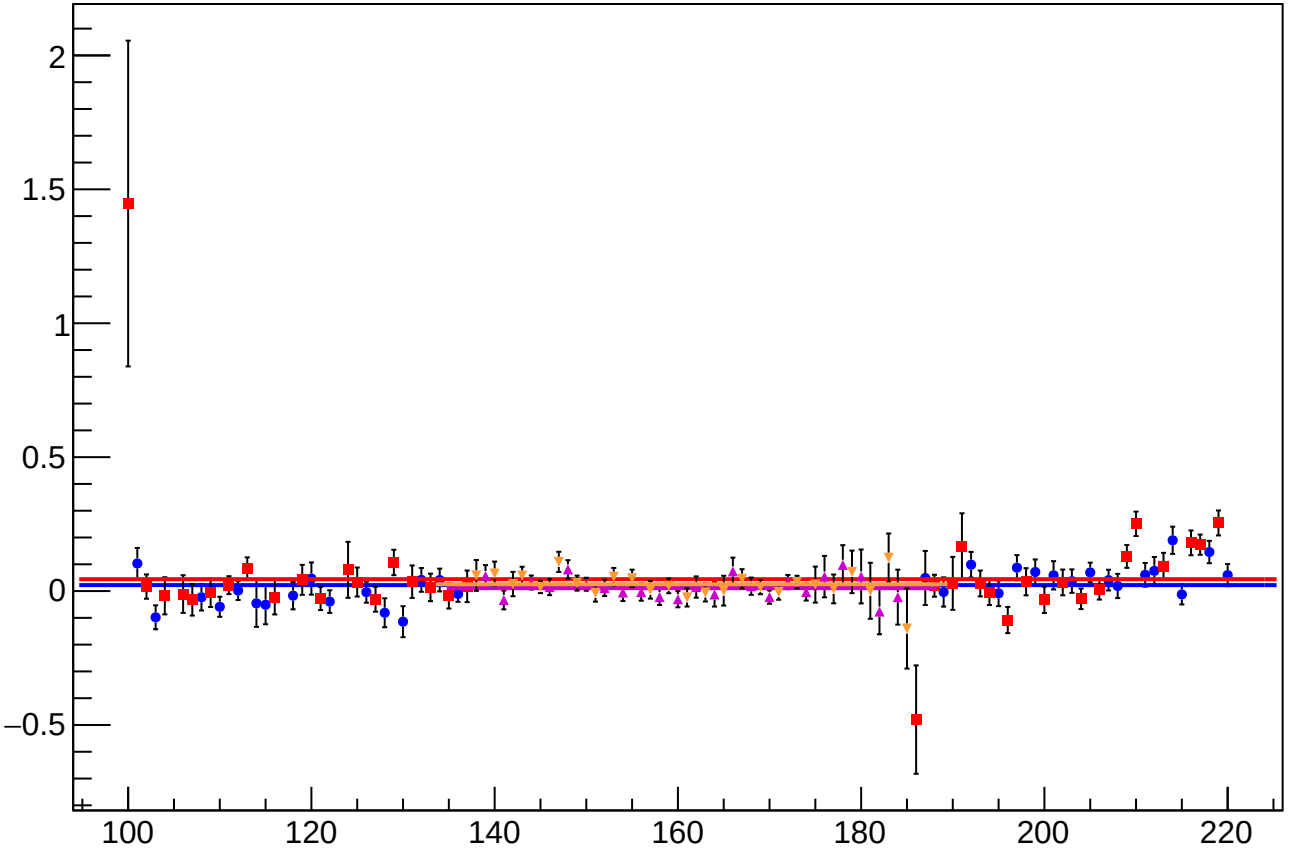
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9035077.4/57

All: 0.000+/-0.000 χ^2/NDF: 19440739.0/117

- sign 0.000+/-0.000 χ^2/NDF: 10326688.5/59

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.022+/-0.008 χ^2/NDF: 62.7/32

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.044+/-0.008 χ^2/NDF: 113.9/36

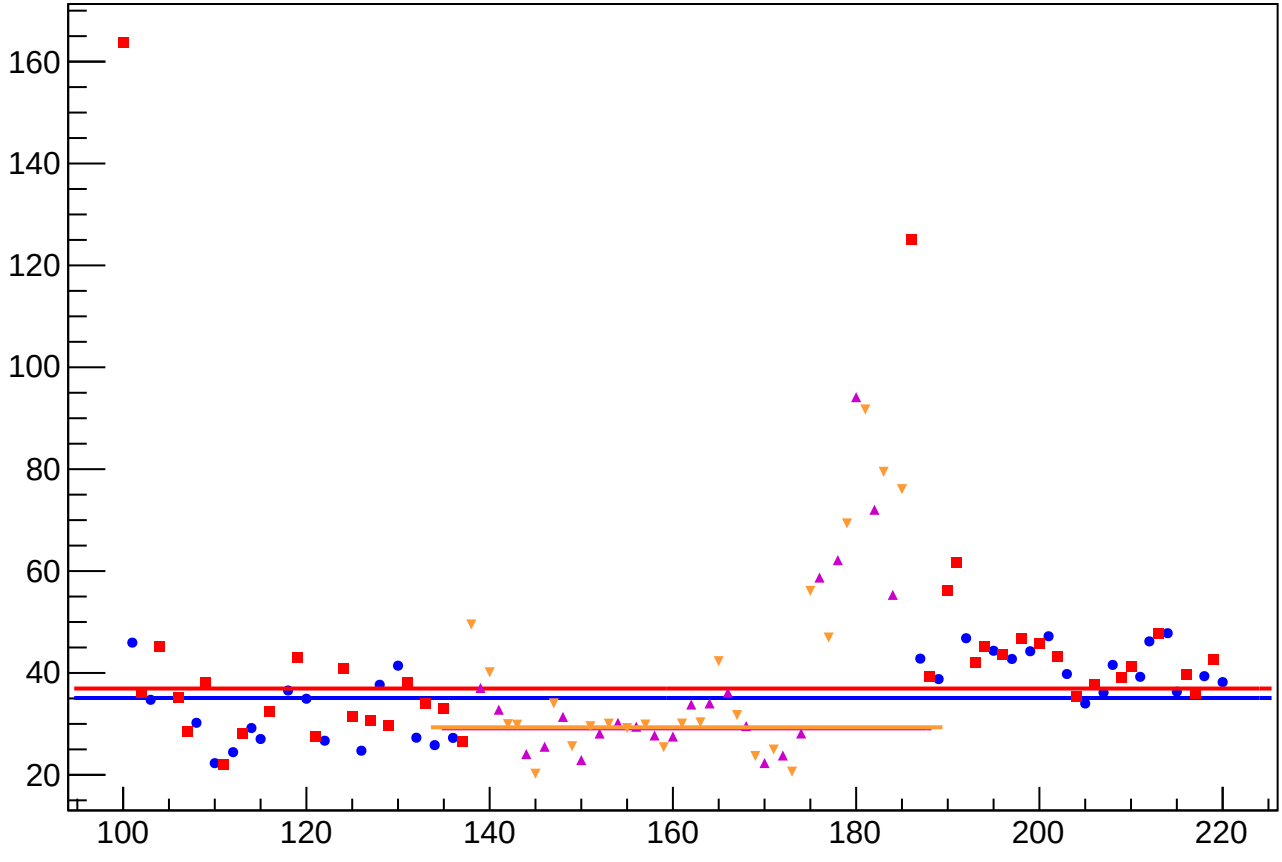
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.024+/-0.005 χ^2/NDF: 80.2/57

All: 0.025+/-0.004 χ^2/NDF: 222.2/117

- sign 0.026+/-0.005 χ^2/NDF: 142.0/59

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 35.085+/-0.006 χ^2/NDF: 1874419.1/32

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

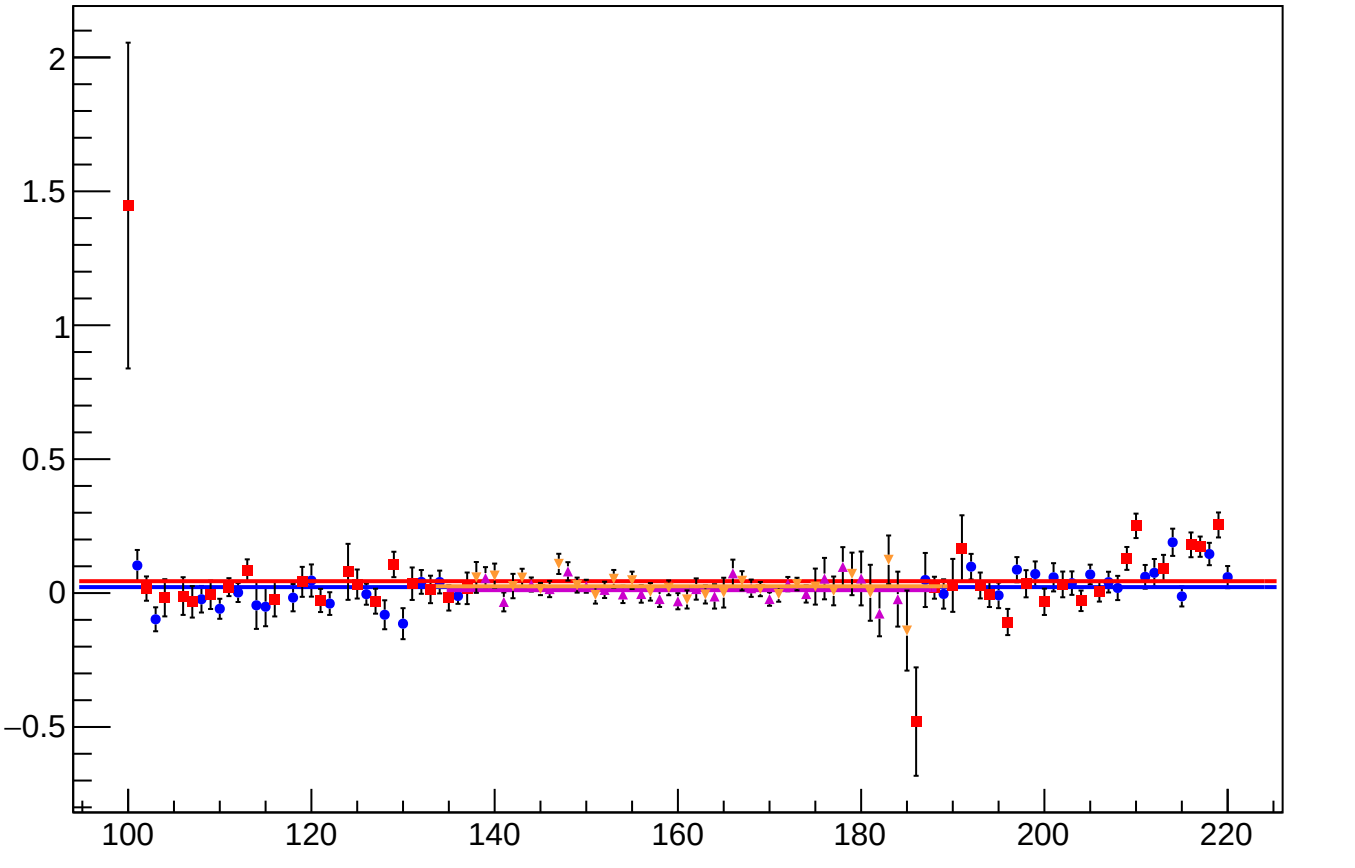
Right Out: 36.946+/-0.006 χ^2/NDF: 1955000.6/36

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 31.925+/-0.004 χ^2/NDF: 6327321.2/57

All: 32.225+/-0.003 χ^2/NDF: 12139043.4/117

- sign 32.543+/-0.004 χ^2/NDF: 5798609.4/59



Right In: 0.022+/-0.008 χ^2/NDF: 62.7/32

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

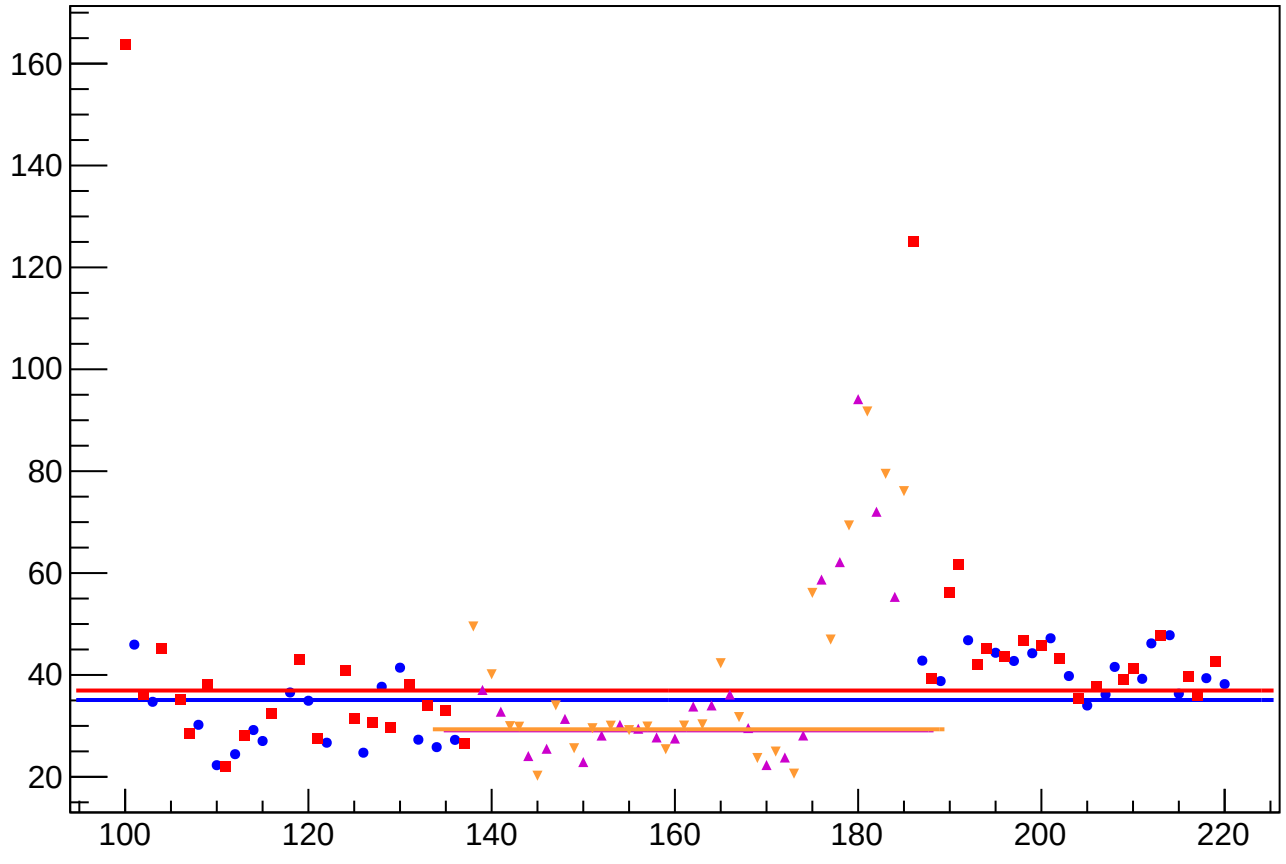
Right Out: 0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.024+/-0.005 χ^2/NDF: 80.2/57

All: 0.025+/-0.004 χ^2/NDF: 222.2/117

- sign 0.026+/-0.005 χ^2/NDF: 142.0/59



Right In: 35.085+/-0.006 χ^2/NDF: 1874419.1/32

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

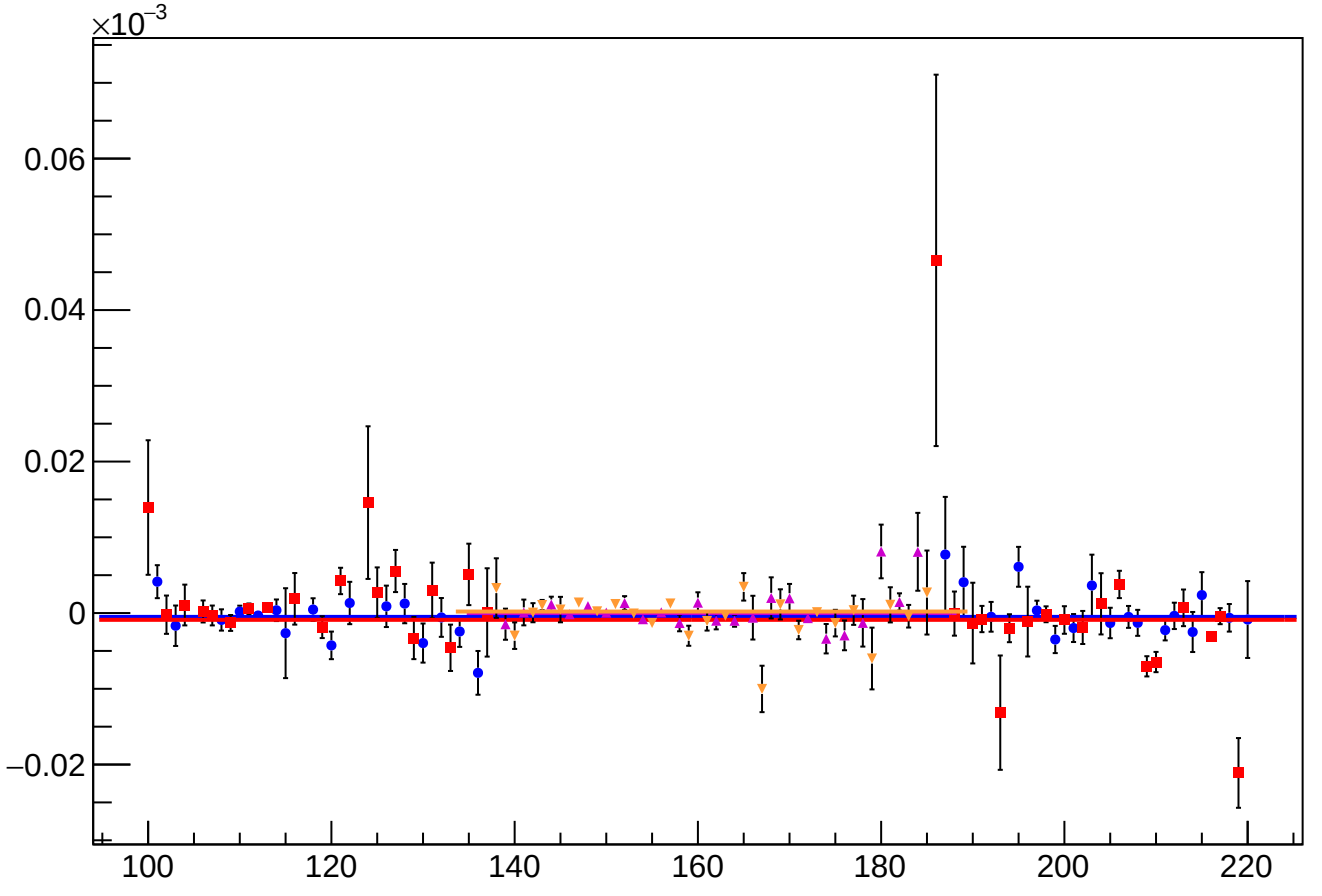
Right Out: 36.946+/-0.006 χ^2/NDF: 1955000.6/36

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 31.925+/-0.004 χ^2/NDF: 6327321.2/57

All: 32.225+/-0.003 χ^2/NDF: 12139043.4/117

- sign 32.543+/-0.004 χ^2/NDF: 5798609.4/59



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 123.6/36

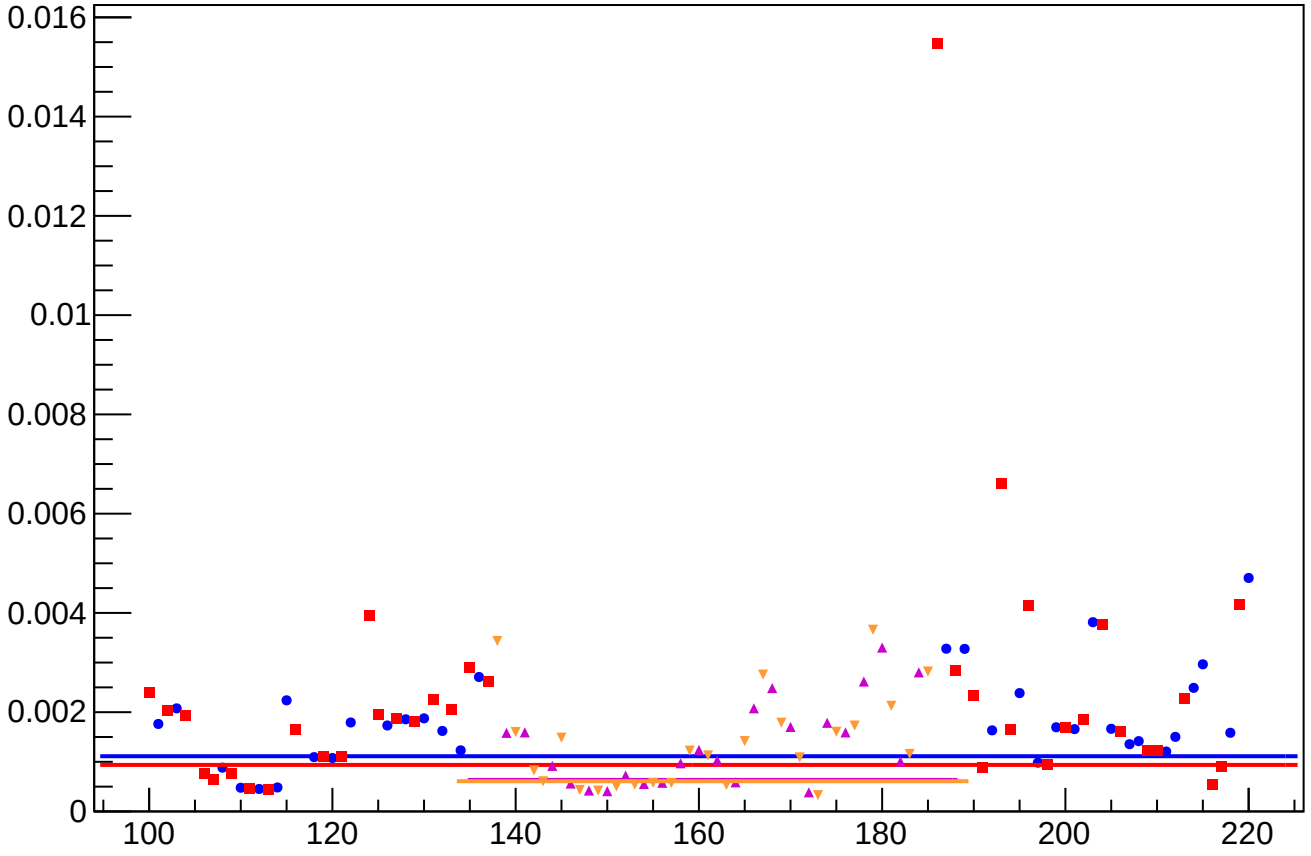
Left In: 0.000+/-0.000 χ^2/NDF:32.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 95.0/57

All: -0.000+/-0.000 χ^2/NDF: 262.3/117

- sign -0.000+/-0.000 χ^2/NDF: 164.8/59

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 10949789.0/32

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

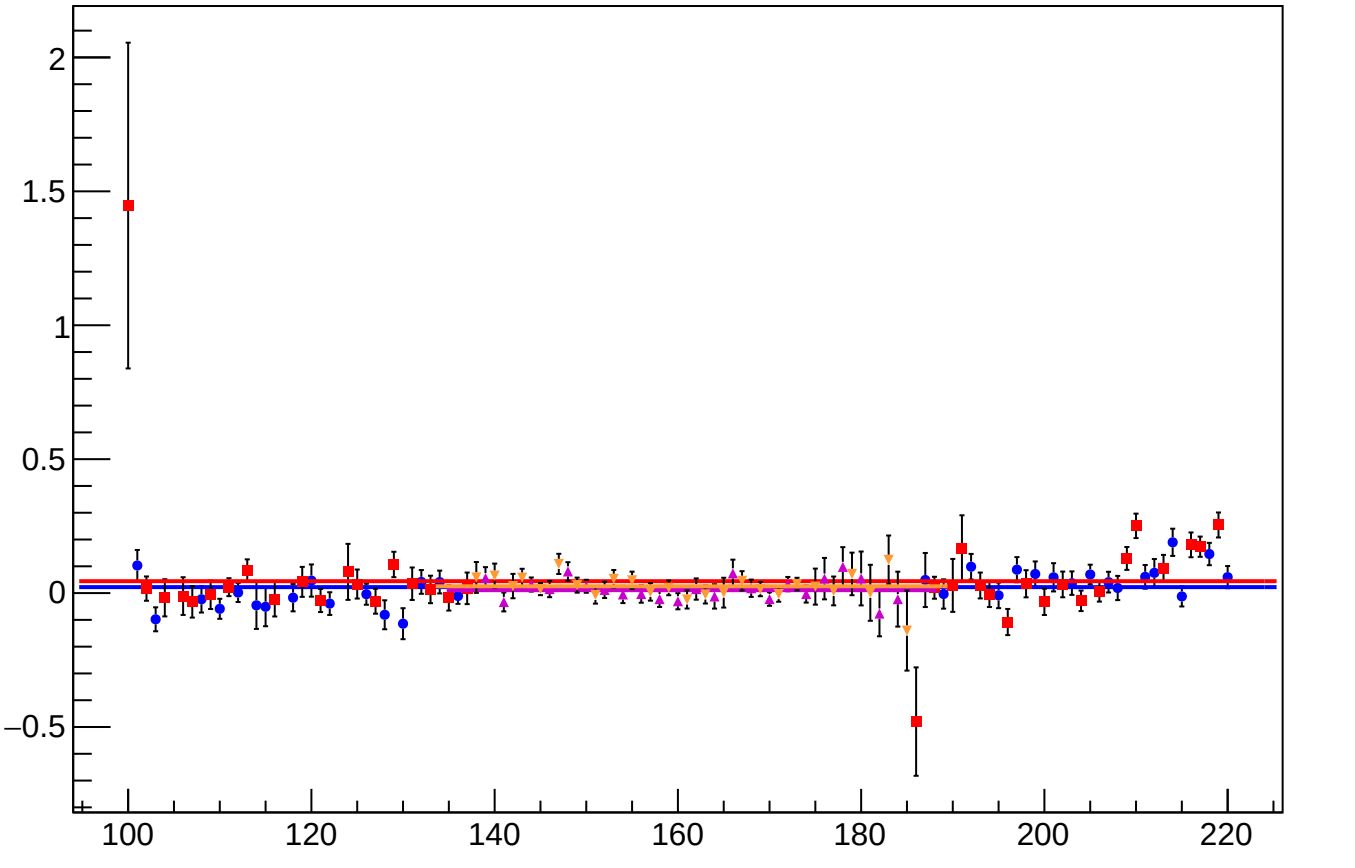
Right Out: 0.001+/-0.000 χ^2/NDF: 13611326.2/36

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 26324588.2/57

All: 0.001+/-0.000 χ^2/NDF: 51196196.0/117

- sign 0.001+/-0.000 χ^2/NDF: 24870856.7/59



Right In: 0.022+/-0.008 χ^2/NDF: 62.7/32

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

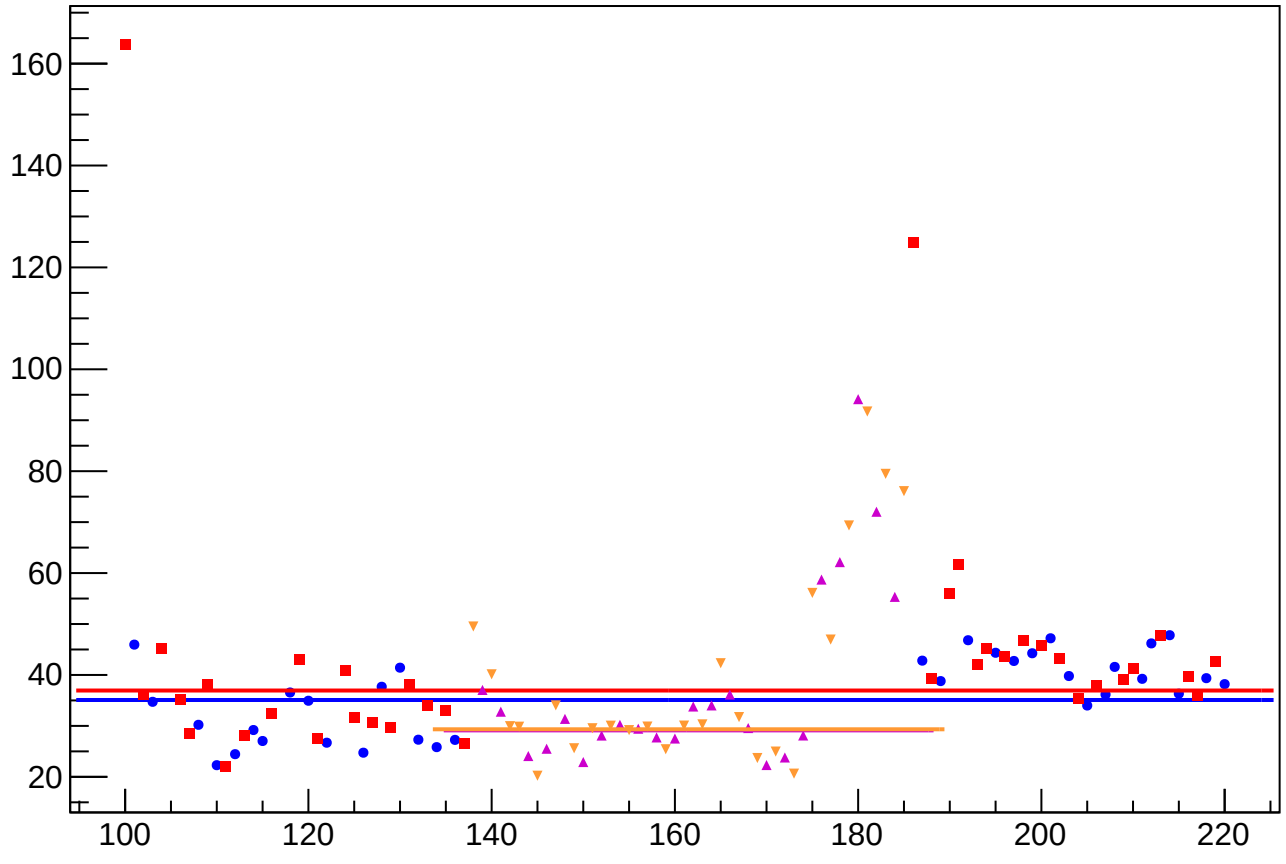
Right Out: 0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.024+/-0.005 χ^2/NDF: 80.2/57

All: 0.025+/-0.004 χ^2/NDF: 222.2/117

- sign 0.026+/-0.005 χ^2/NDF: 142.0/59



Right In: 35.085+/-0.006 χ^2/NDF: 1874296.0/32

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

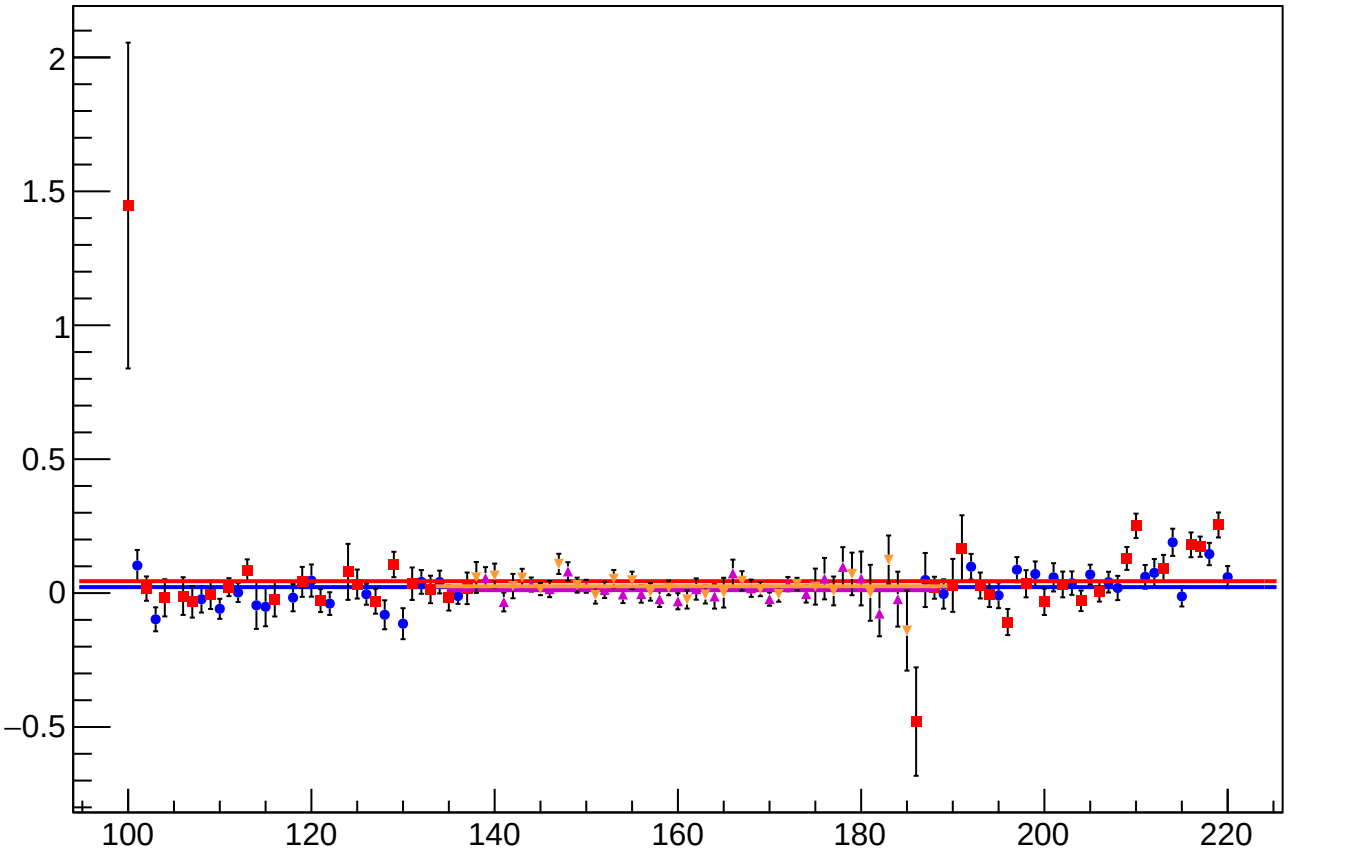
Right Out: 36.946+/-0.006 χ^2/NDF: 1954843.2/36

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 31.925+/-0.004 χ^2/NDF: 6327275.7/57

All: 32.225+/-0.003 χ^2/NDF: 12138850.4/117

- sign 32.543+/-0.004 χ^2/NDF: 5798458.7/59



Right In: 0.022+/-0.008 χ^2/NDF: 62.7/32

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

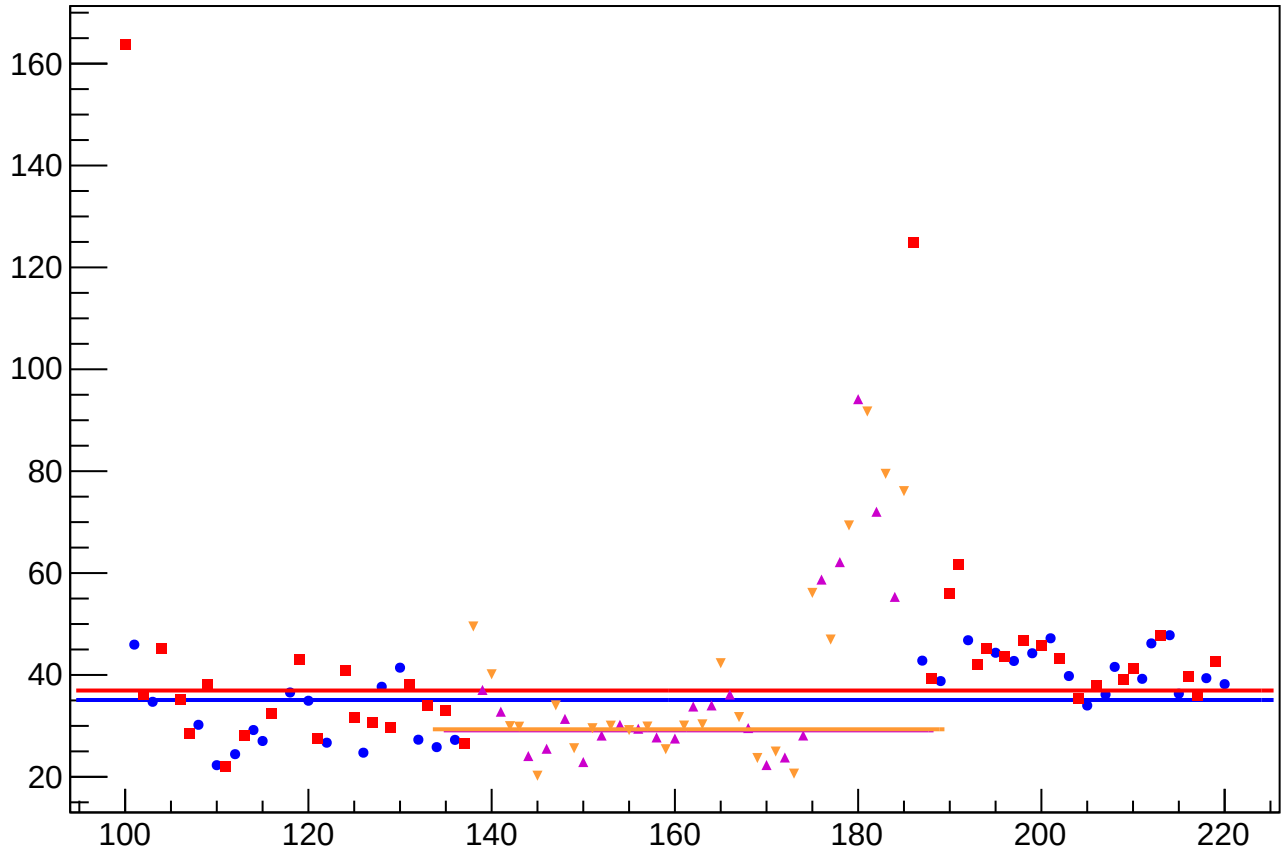
Right Out: 0.044+/-0.008 χ^2/NDF: 113.9/36

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

\+ sign 0.024+/-0.005 χ^2/NDF: 80.2/57

All: 0.025+/-0.004 χ^2/NDF: 222.2/117

\- sign 0.026+/-0.005 χ^2/NDF: 142.0/59



Right In: 35.085+/-0.006 χ^2/NDF: 1874296.0/32

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

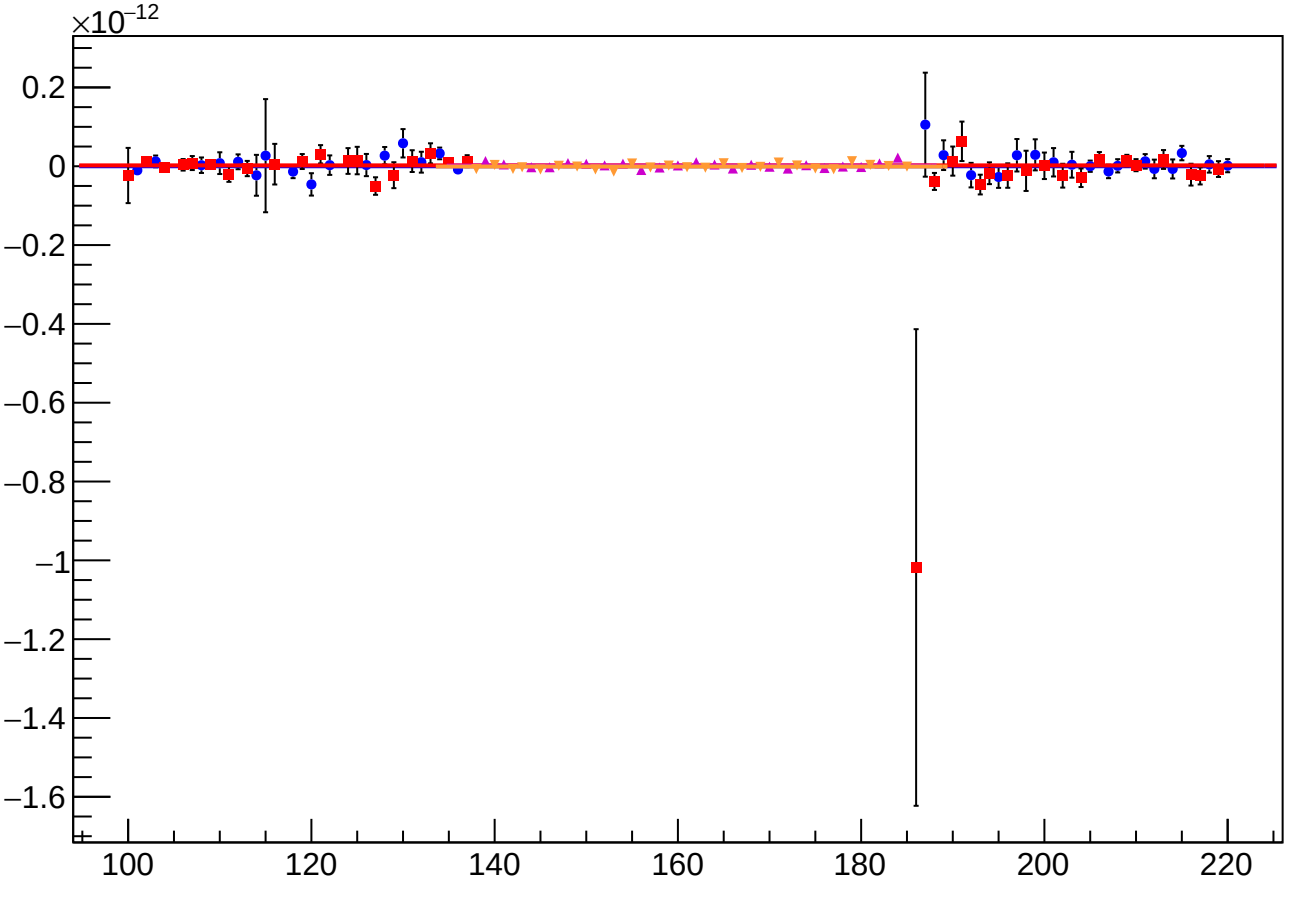
Right Out: 36.946+/-0.006 χ^2/NDF: 1954843.2/36

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 31.925+/-0.004 χ^2/NDF: 6327275.7/57

All: 32.225+/-0.003 χ^2/NDF: 12138850.4/117

- sign 32.543+/-0.004 χ^2/NDF: 5798458.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 25.5/32

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

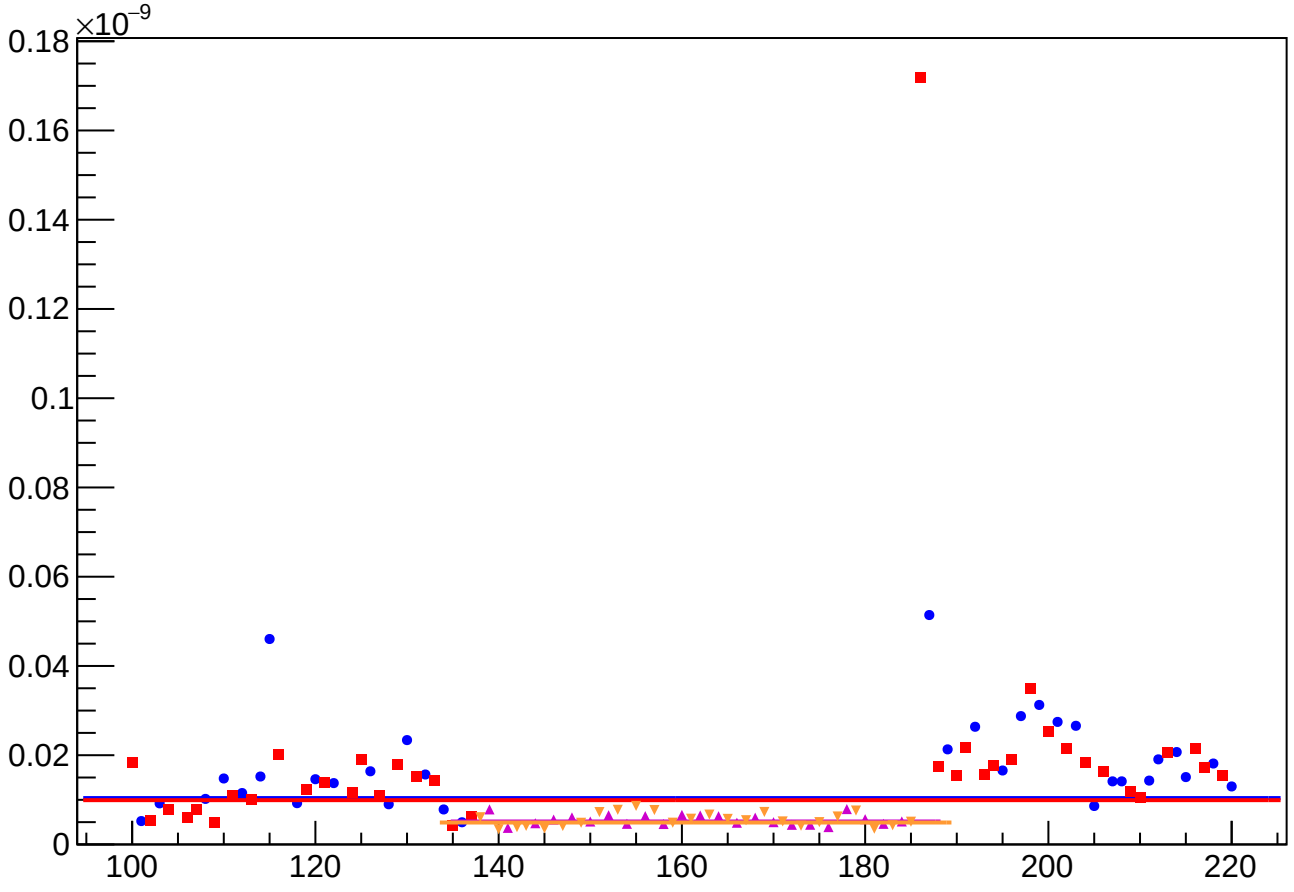
Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/36

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 40.6/57

All: 0.000+/-0.000 χ^2/NDF: 92.8/117

- sign 0.000+/-0.000 χ^2/NDF: 50.7/59



Right In: 0.000+/-0.000 χ^2/NDF: 7365134.5/32

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6922849.9/36

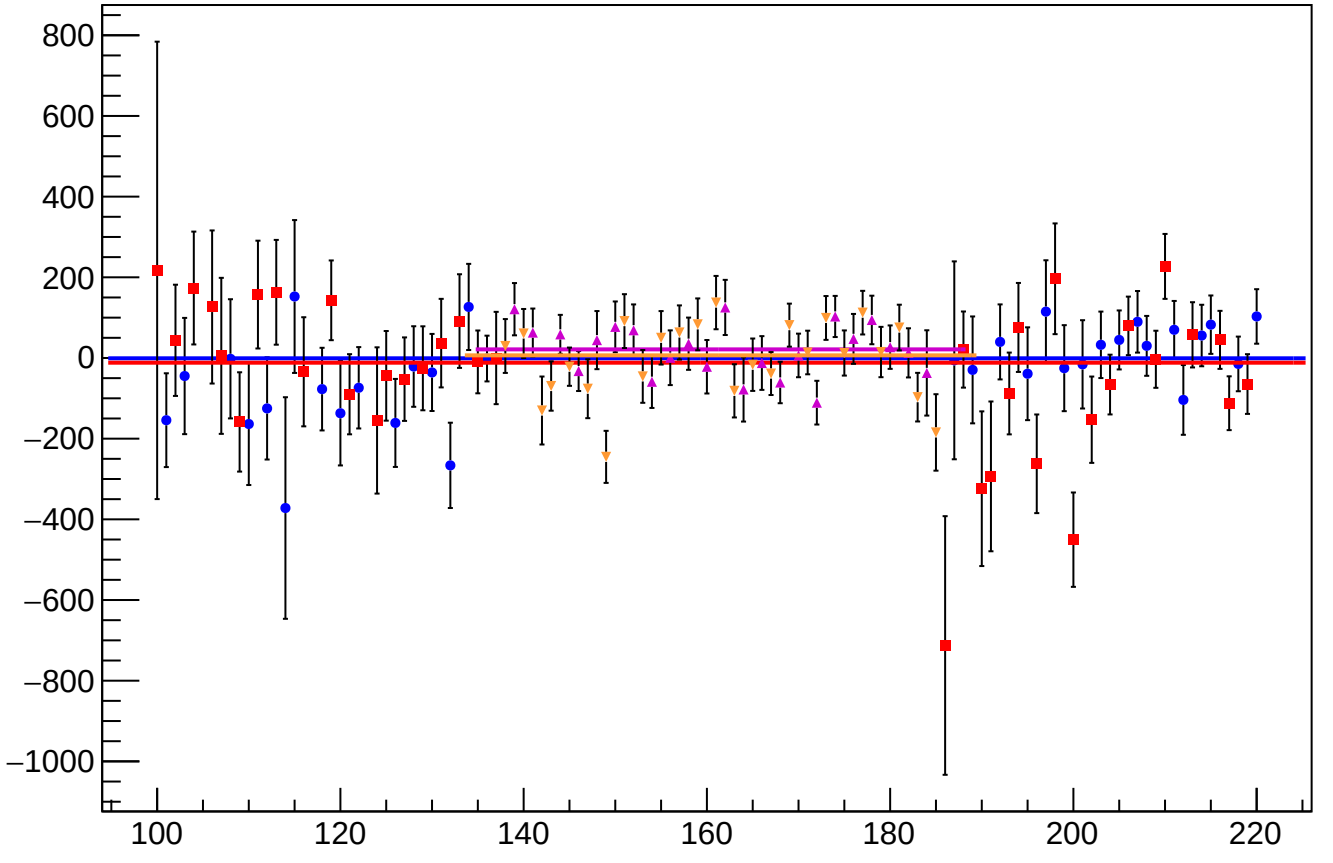
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14320378.5/57

All: 0.000+/-0.000 χ^2/NDF: 26199889.6/117

- sign 0.000+/-0.000 χ^2/NDF: 11852862.7/59

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -0.804+/-16.519 χ^2/NDF: 28.7/32

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -11.677+/-17.112 χ^2/NDF: 60.8/36

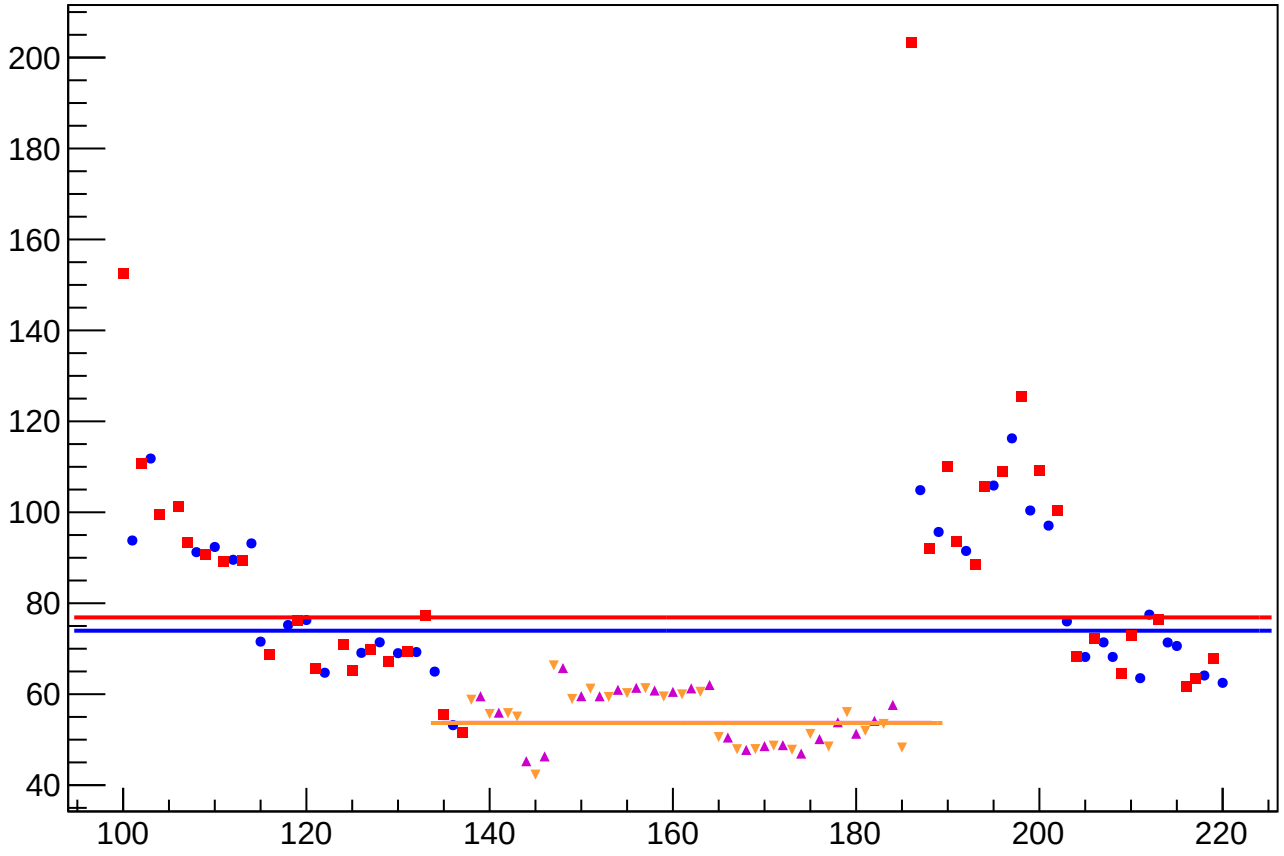
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign 3.913+/-9.859 χ^2/NDF: 79.4/57

All: 6.702+/-7.079 χ^2/NDF: 168.2/117

- sign 9.671+/-10.172 χ^2/NDF: 88.6/59

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 73.960+/-0.012 χ^2/NDF: 1532727.9/32

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.887+/-0.012 χ^2/NDF: 2201463.1/36

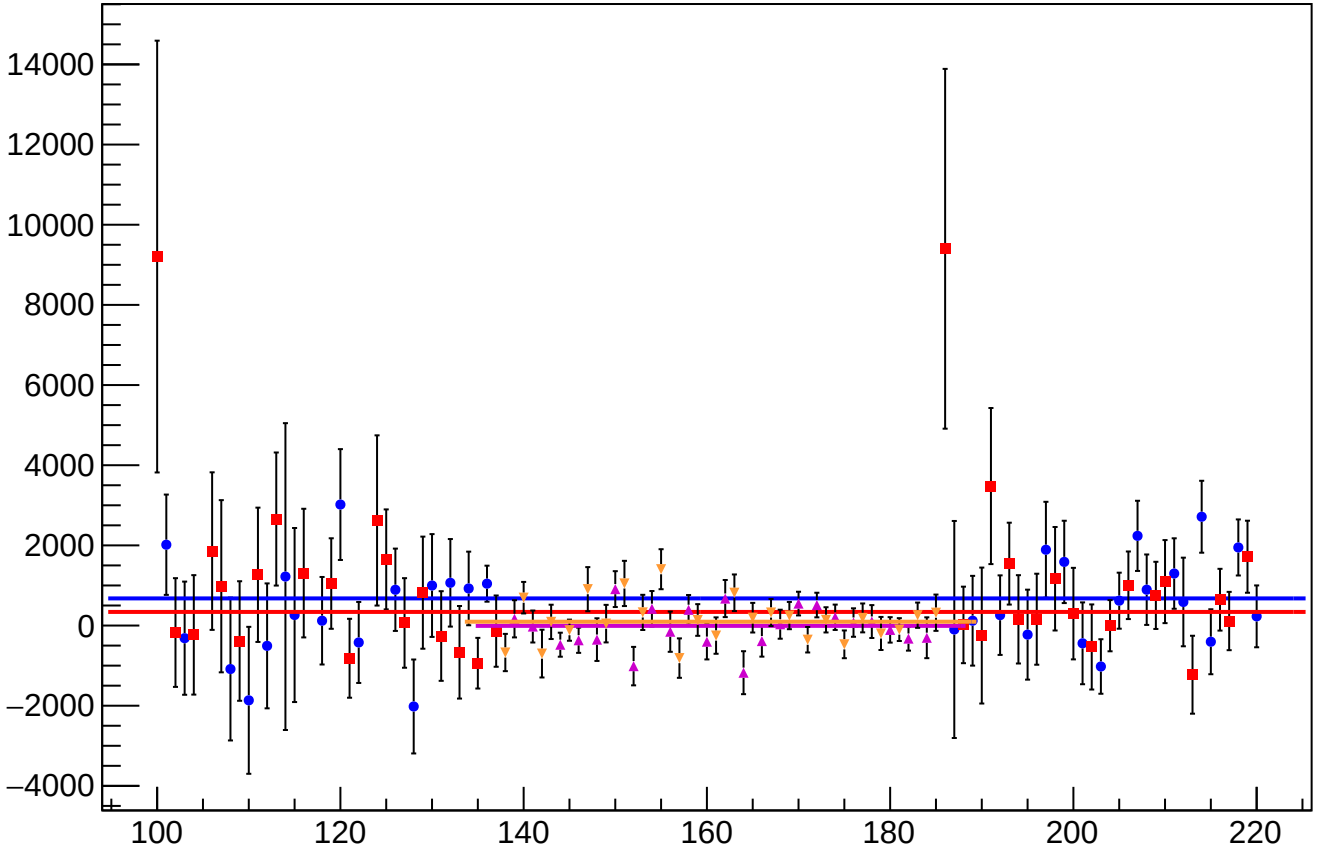
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.894+/-0.007 χ^2/NDF: 3948382.4/57

All: 61.376+/-0.005 χ^2/NDF: 9006754.4/117

- sign 61.889+/-0.007 χ^2/NDF: 5048501.7/59

asym_sam_15_26_dd_reg_correction_mean vs Slug



Right In: 677.099+/-169.494 χ^2/NDF: 40.5/32

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: 339.769+/-179.523 χ^2/NDF: 32.5/36

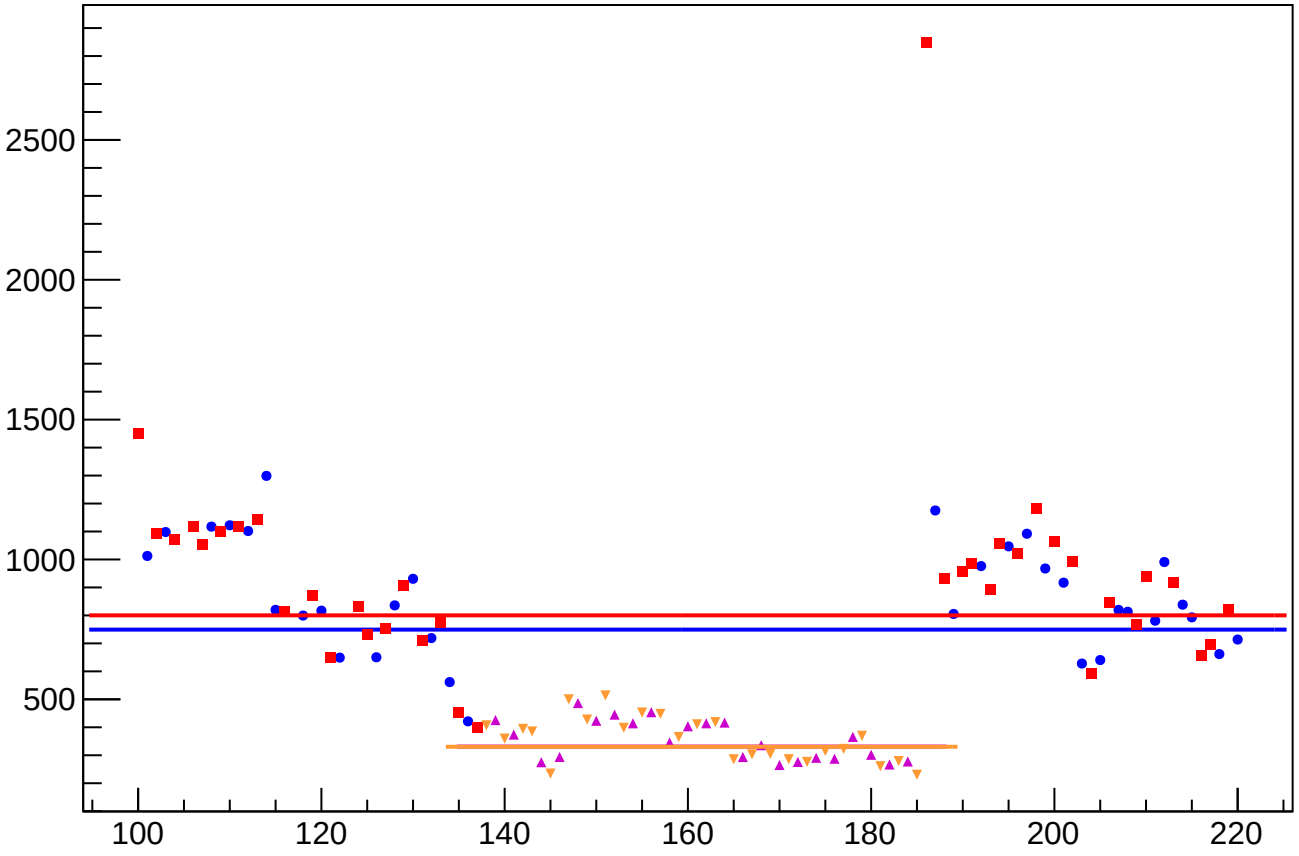
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 195.248+/-70.206 χ^2/NDF: 83.4/57

All: 124.219+/-50.402 χ^2/NDF: 153.5/117

- sign 48.671+/-72.405 χ^2/NDF: 68.0/59

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 749.245+/-0.120 χ^2/NDF: 2677171.9/32

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 800.265+/-0.127 χ^2/NDF: 3051949.7/36

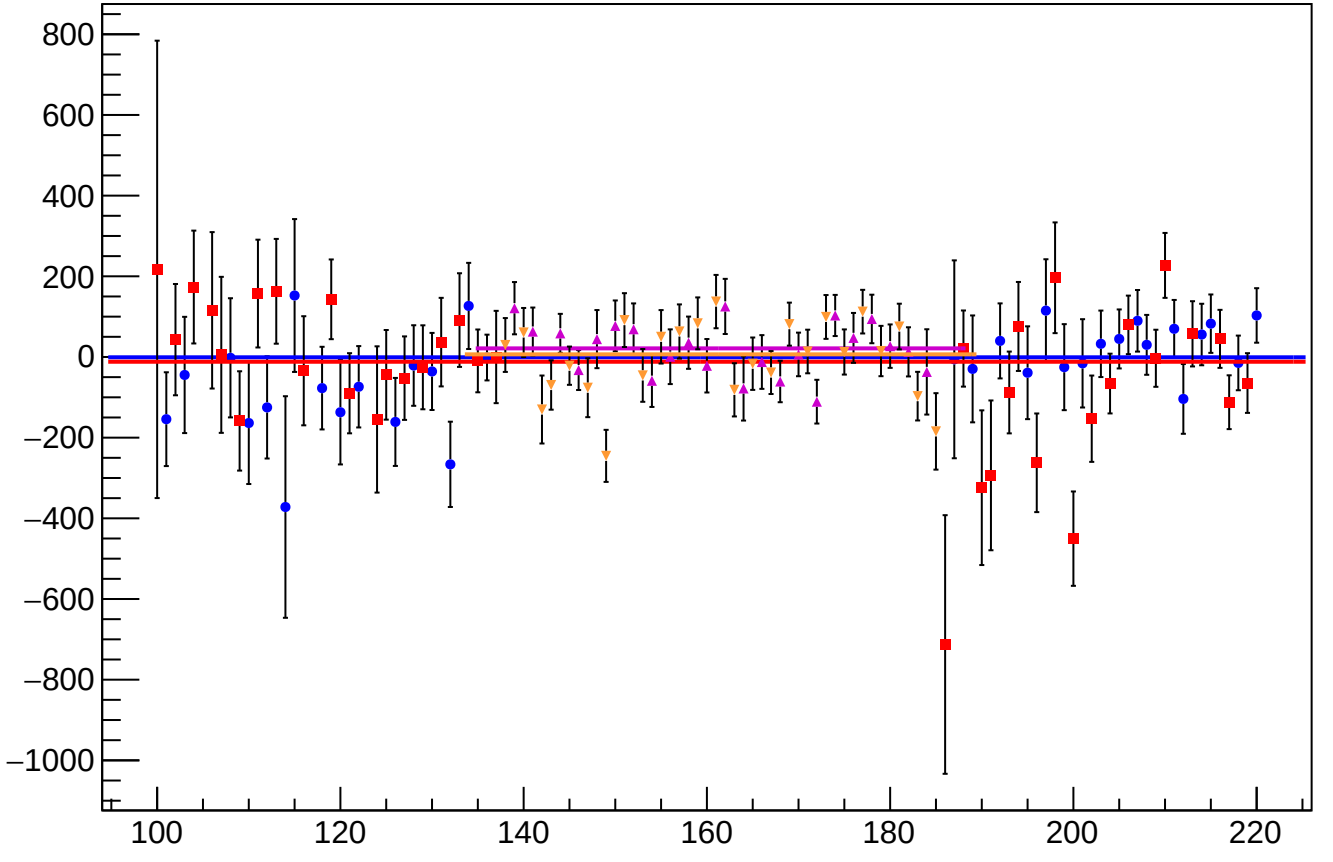
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 402.265+/-0.050 χ^2/NDF: 14547123.6/57

All: 404.745+/-0.036 χ^2/NDF: 30369631.5/11

- sign 407.382+/-0.051 χ^2/NDF: 15817360.6/59

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -0.799+/-16.519 χ^2/NDF: 28.7/32

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -11.821+/-17.115 χ^2/NDF: 60.7/36

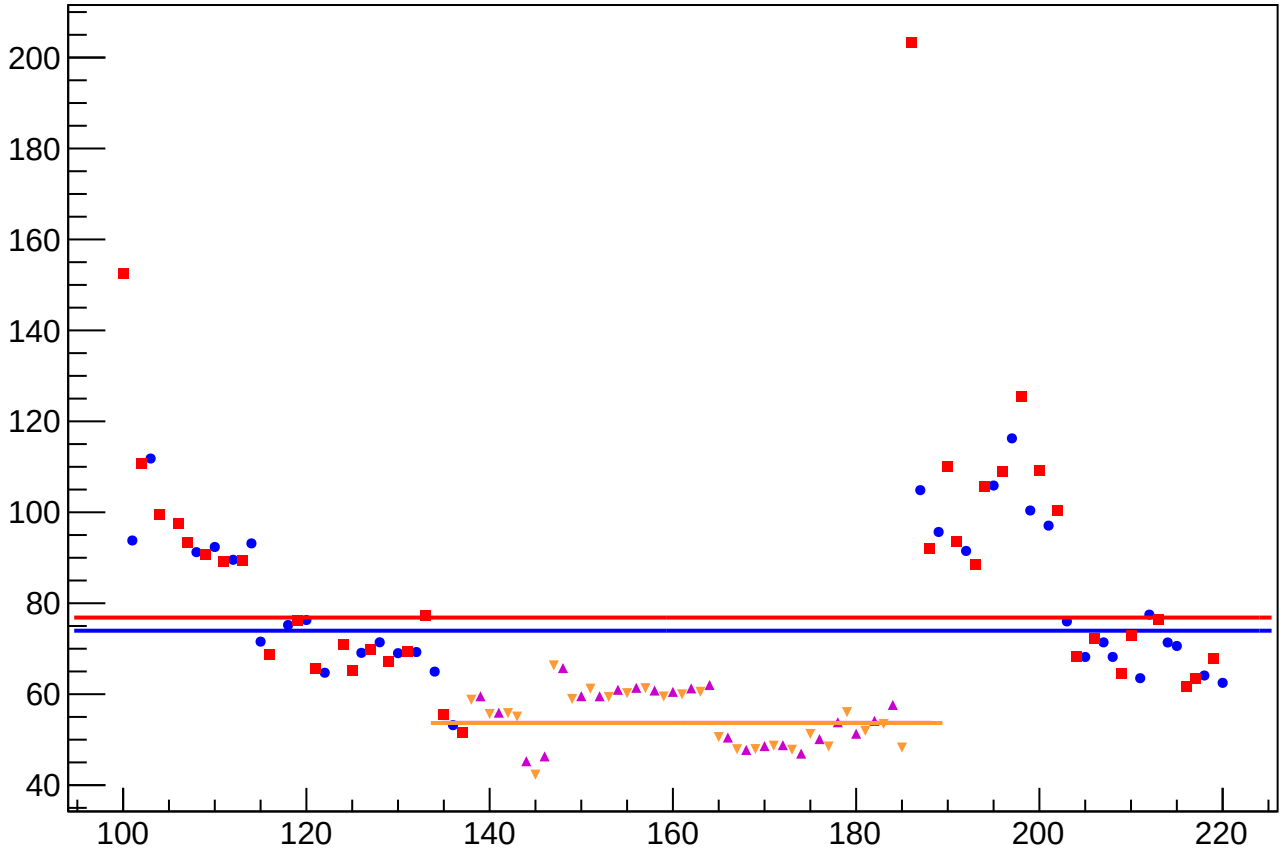
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign 3.917+/-9.859 χ^2/NDF: 79.4/57

All: 6.680+/-7.080 χ^2/NDF: 168.1/117

- sign 9.622+/-10.173 χ^2/NDF: 88.6/59

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 73.960+/-0.012 χ^2/NDF: 1532730.3/32

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

Right Out: 76.850+/-0.012 χ^2/NDF: 2191523.6/36

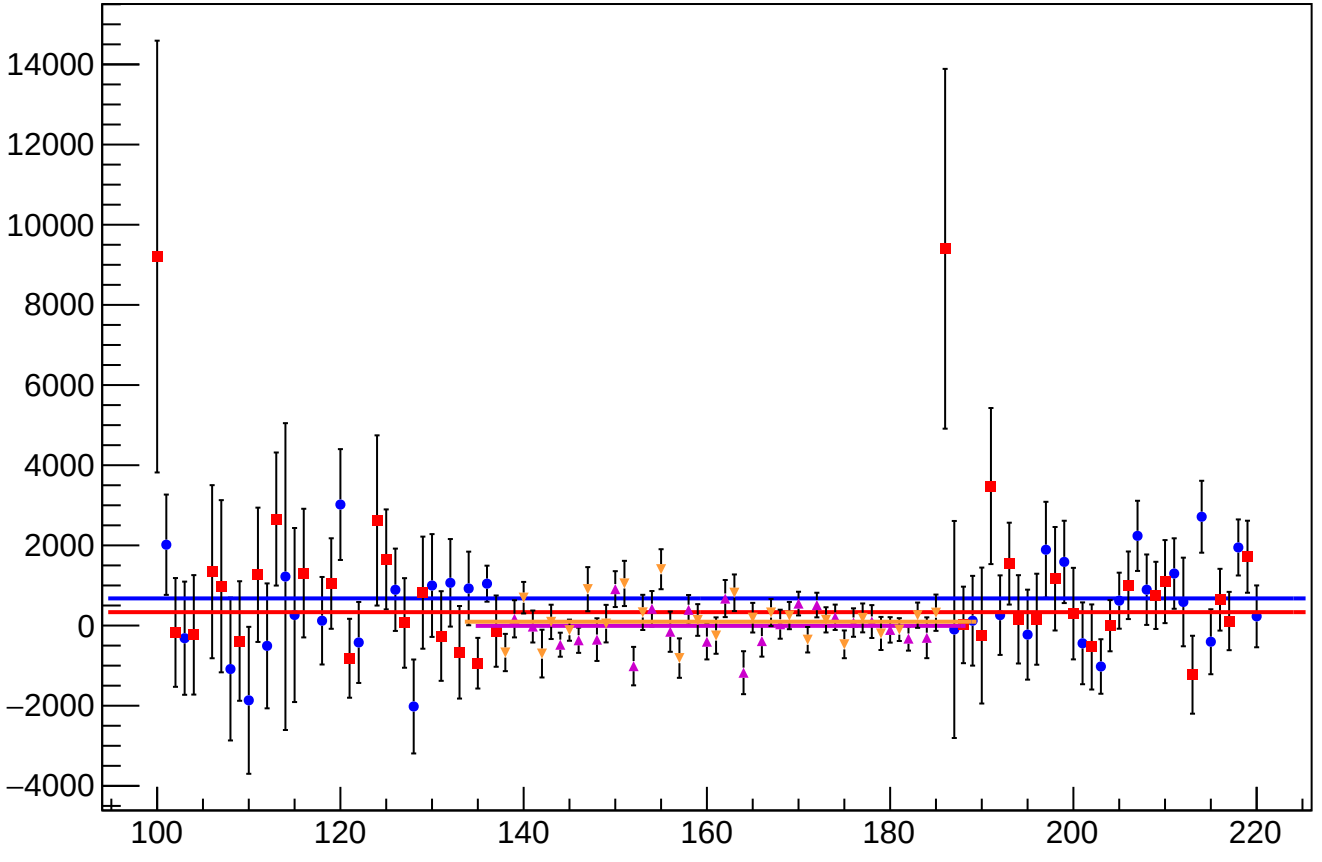
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.894+/-0.007 χ^2/NDF: 3948384.9/57

All: 61.369+/-0.005 χ^2/NDF: 8988434.2/117

- sign 61.875+/-0.007 χ^2/NDF: 5030473.3/59

asym_sam_15_26_dd_cor_correction_mean vs Slug



Right In: 677.097+/-169.494 χ^2/NDF: 40.5/32

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

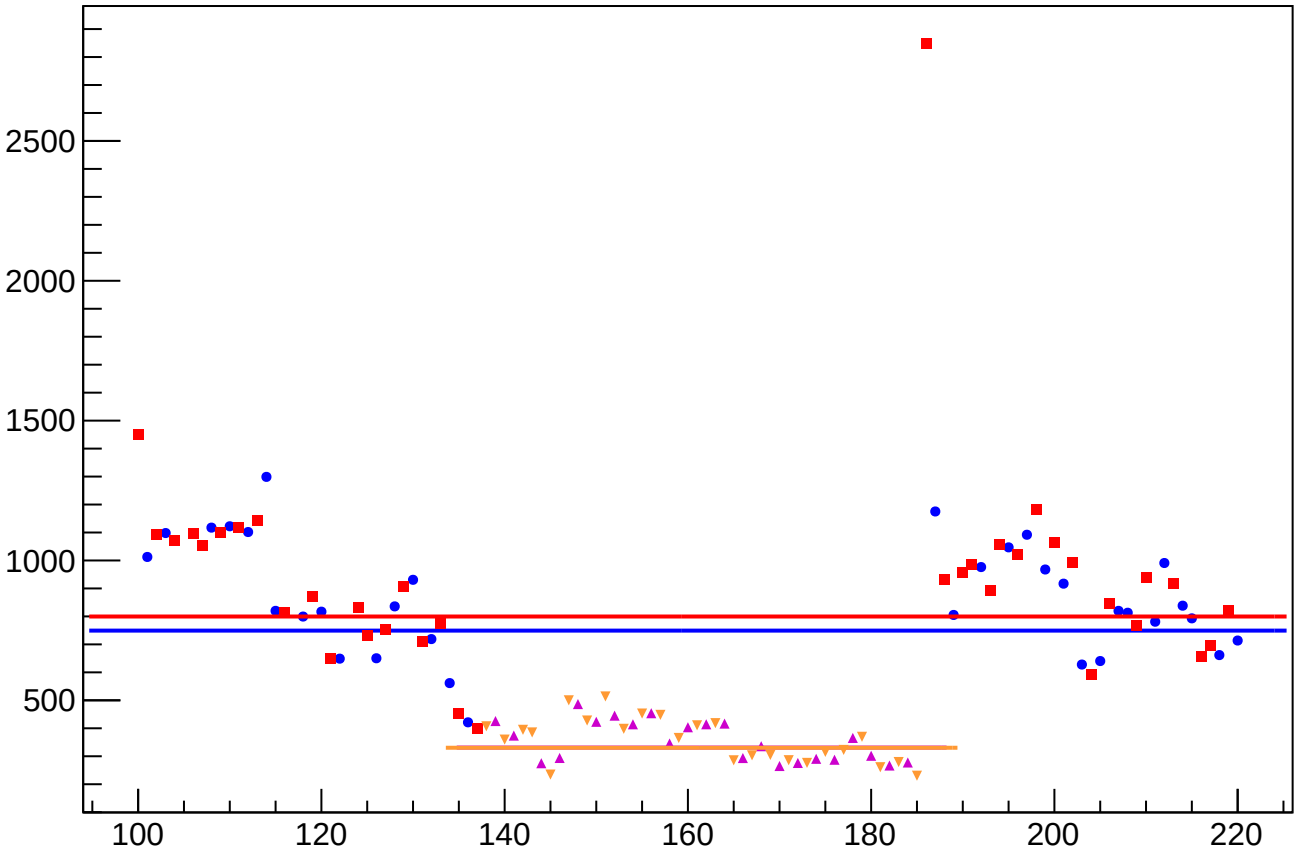
Right Out: 334.101+/-179.653 χ^2/NDF: 32.1/36

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 195.250+/-70.206 χ^2/NDF: 83.4/57

All: 123.750+/-50.405 χ^2/NDF: 153.1/117

- sign 47.684+/-72.413 χ^2/NDF: 67.5/59



Right In: 749.246+/-0.120 χ^2/NDF: 2677195.1/32

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 799.658+/-0.127 χ^2/NDF: 3037291.8/36

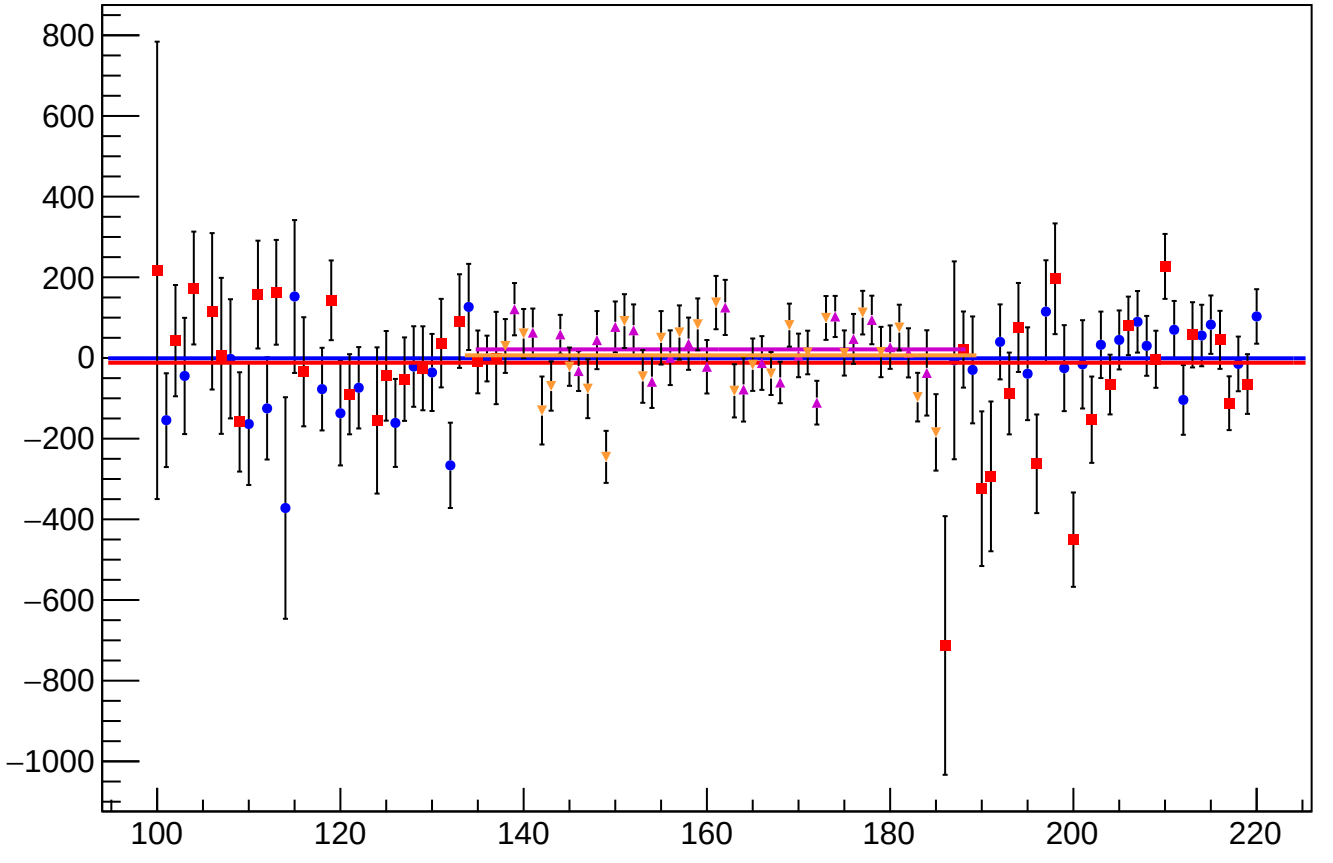
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 402.265+/-0.050 χ^2/NDF: 14547142.6/57

All: 404.652+/-0.036 χ^2/NDF: 30311166.4/11

- sign 407.190+/-0.051 χ^2/NDF: 15759255.3/59

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -0.799+/-16.519 χ^2/NDF: 28.7/32

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -11.821+/-17.115 χ^2/NDF: 60.7/36

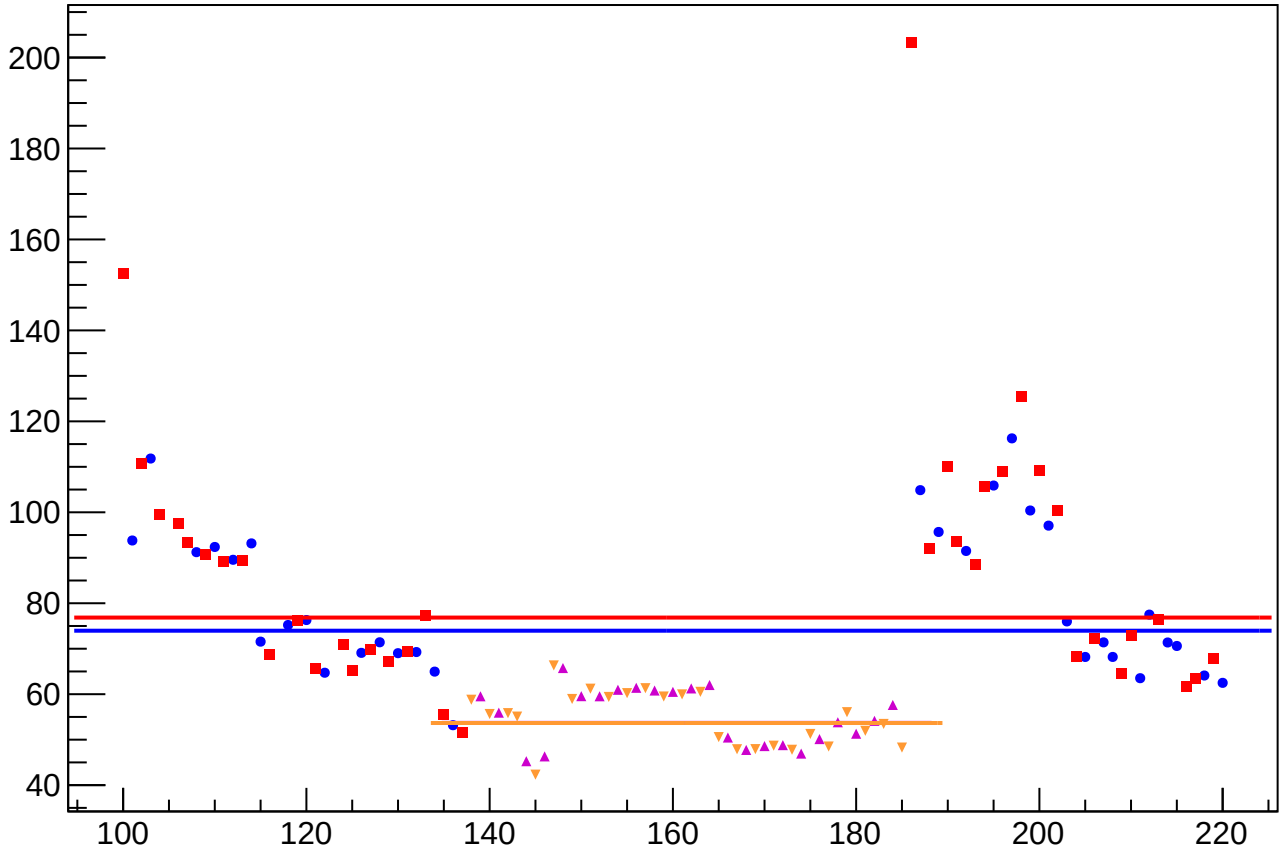
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign 3.917+/-9.859 χ^2/NDF: 79.4/57

All: 6.680+/-7.080 χ^2/NDF: 168.1/117

- sign 9.622+/-10.173 χ^2/NDF: 88.6/59

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 73.960+/-0.012 χ^2/NDF: 1532730.3/32

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

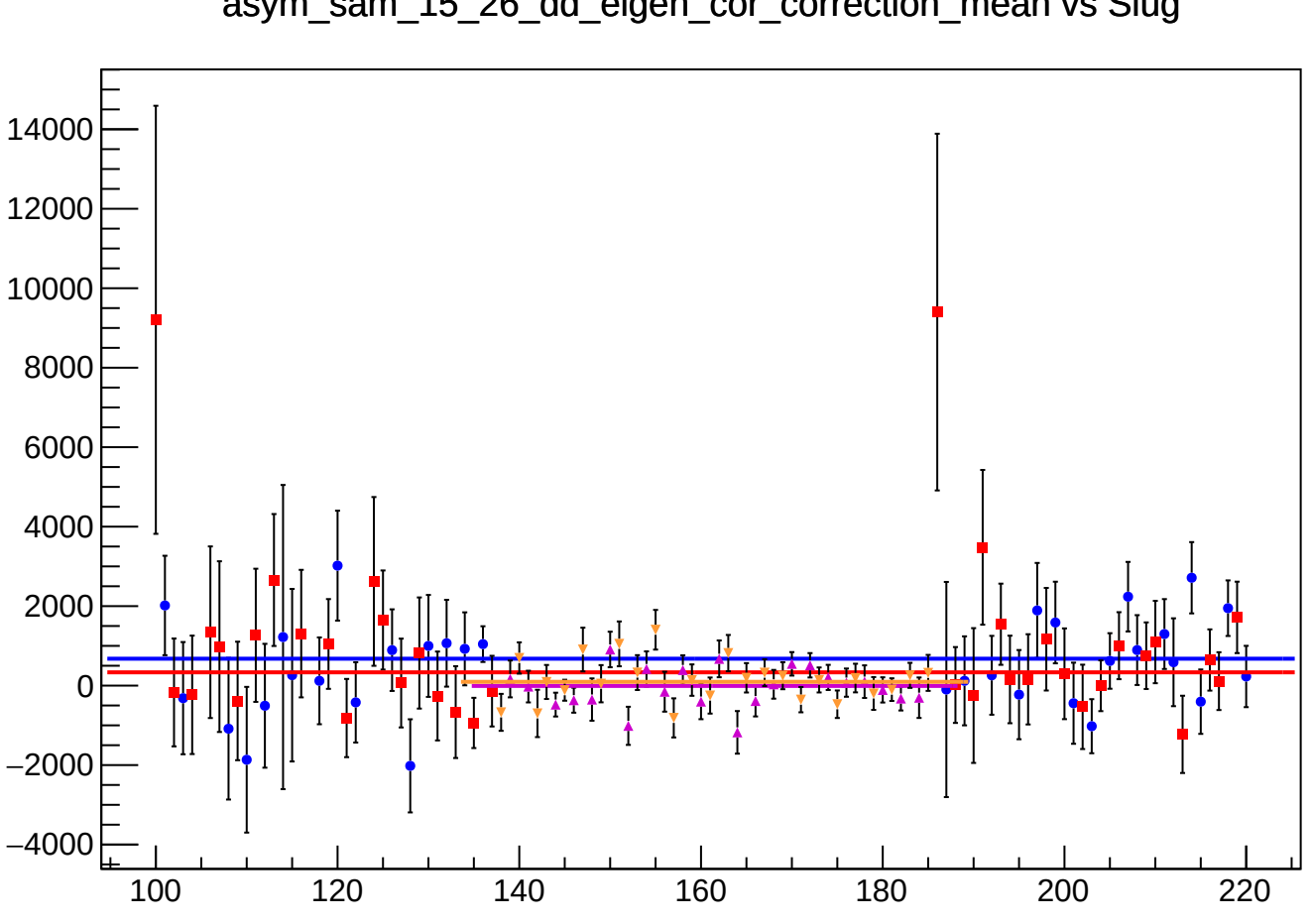
Right Out: 76.850+/-0.012 χ^2/NDF: 2191523.6/36

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 60.894+/-0.007 χ^2/NDF: 3948384.9/57

All: 61.369+/-0.005 χ^2/NDF: 8988434.2/117

- sign 61.875+/-0.007 χ^2/NDF: 5030473.3/59



Right In: 677.097+/-169.494 χ^2/NDF: 40.5/32

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

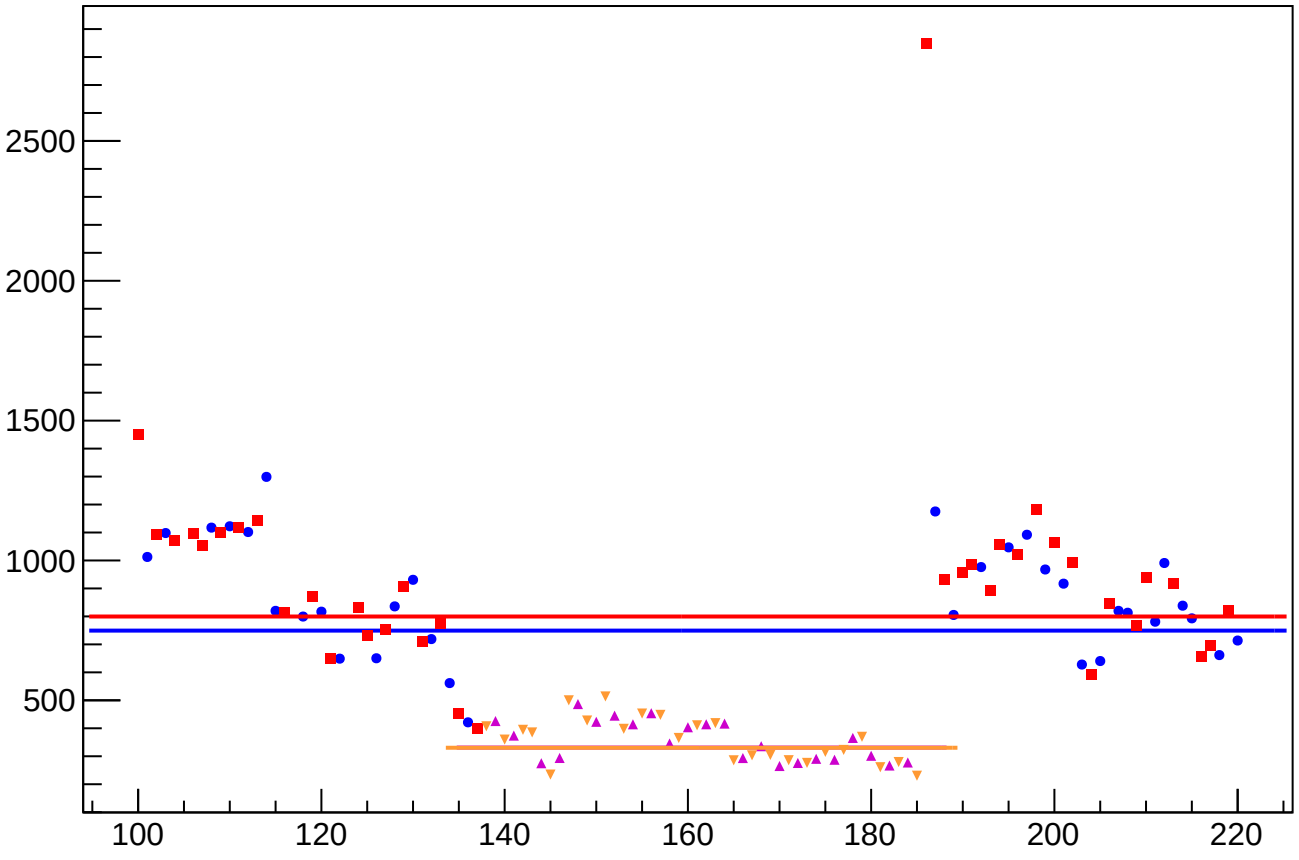
Right Out: 334.101+/-179.653 χ^2/NDF: 32.1/36

Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

\+ sign 195.250+/-70.206 χ^2/NDF: 83.4/57

All: 123.750+/-50.405 χ^2/NDF: 153.1/117

\- sign 47.684+/-72.413 χ^2/NDF: 67.5/59



Right In: 749.246+/-0.120 χ^2/NDF: 2677195.1/32

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 799.658+/-0.127 χ^2/NDF: 3037291.8/36

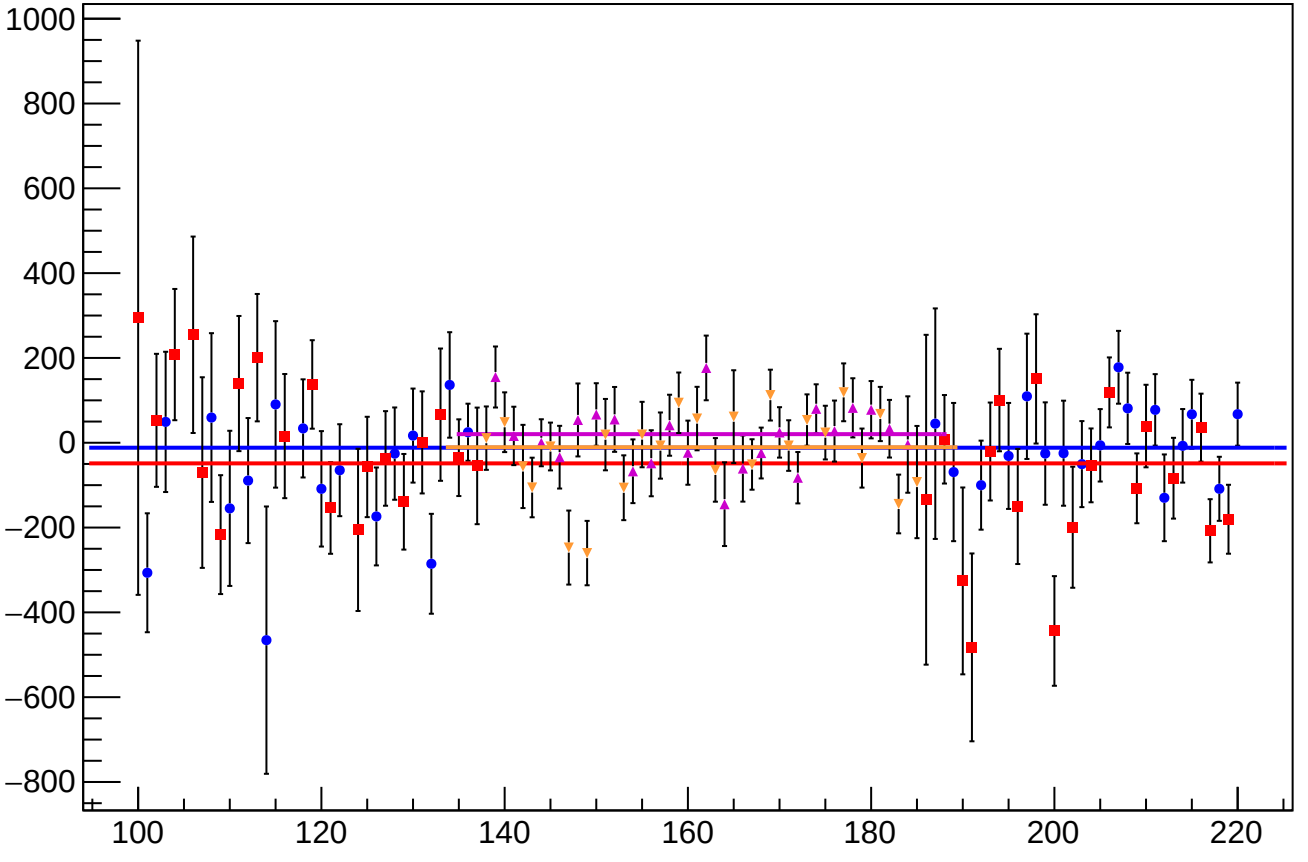
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 402.265+/-0.050 χ^2/NDF: 14547142.6/57

All: 404.652+/-0.036 χ^2/NDF: 30311166.4/11

- sign 407.190+/-0.051 χ^2/NDF: 15759255.3/59

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -11.702+/-18.863 χ^2/NDF: 32.0/32

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -48.645+/-19.451 χ^2/NDF: 51.1/36

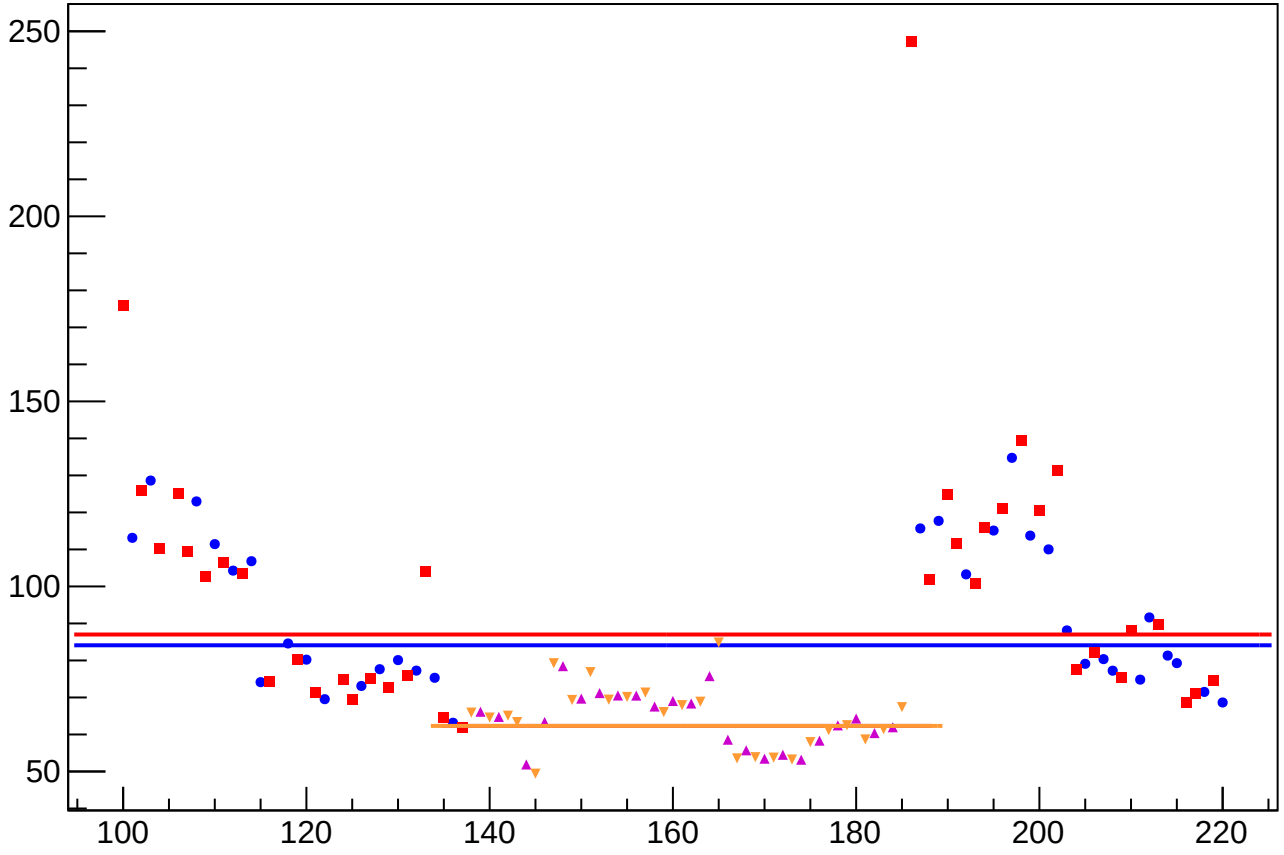
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -11.012+/-11.401 χ^2/NDF: 74.2/57

All: -8.033+/-8.183 χ^2/NDF: 155.1/117

- sign -4.869+/-11.753 χ^2/NDF: 80.8/59

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 84.099+/-0.013 χ^2/NDF: 1638277.3/32

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 87.010+/-0.014 χ^2/NDF: 2375125.3/36

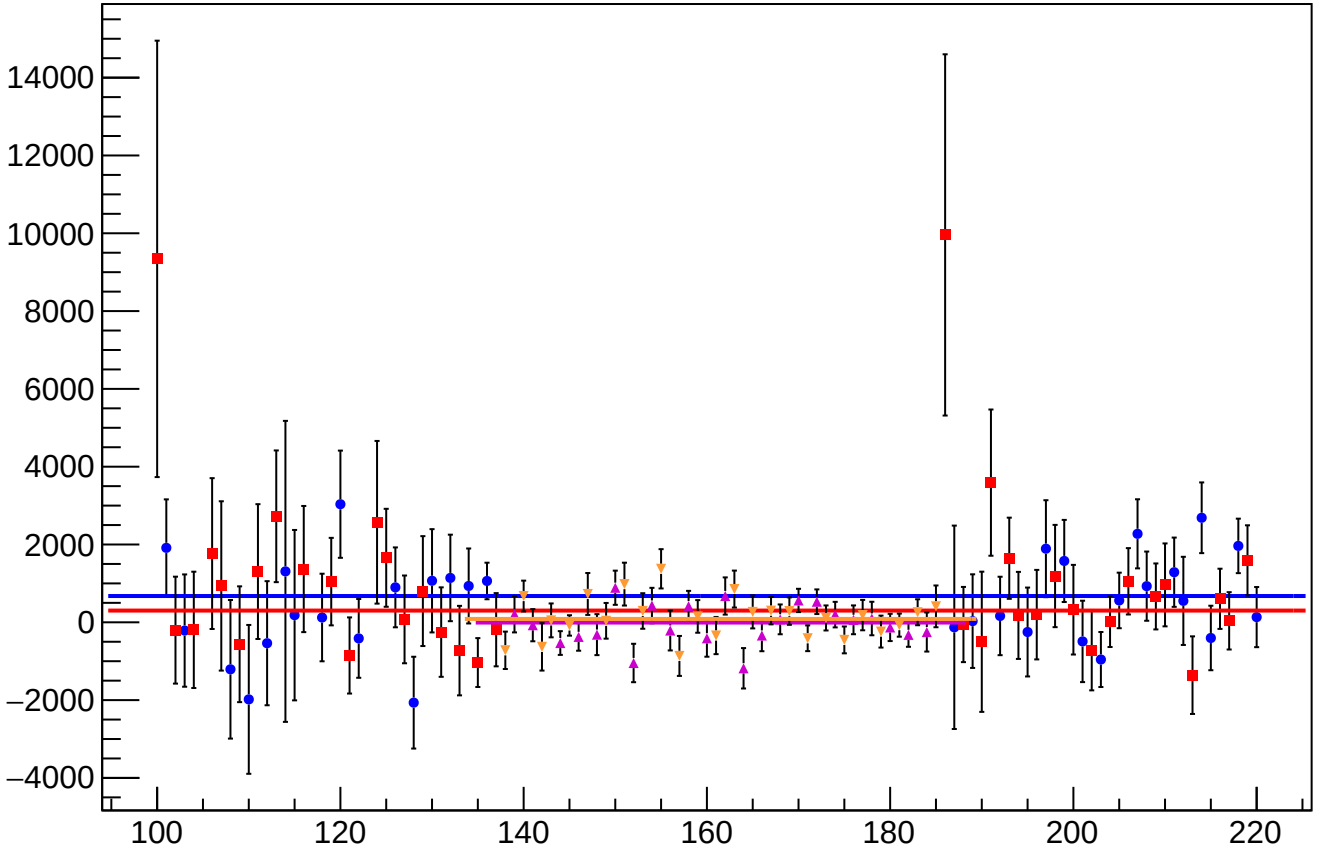
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 70.274+/-0.008 χ^2/NDF: 3967402.0/57

All: 70.785+/-0.006 χ^2/NDF: 8882889.7/117

- sign 71.328+/-0.008 χ^2/NDF: 4907197.9/59

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 675.595+/-173.350 χ^2/NDF: 39.7/32

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 301.743+/-181.600 χ^2/NDF: 34.3/36

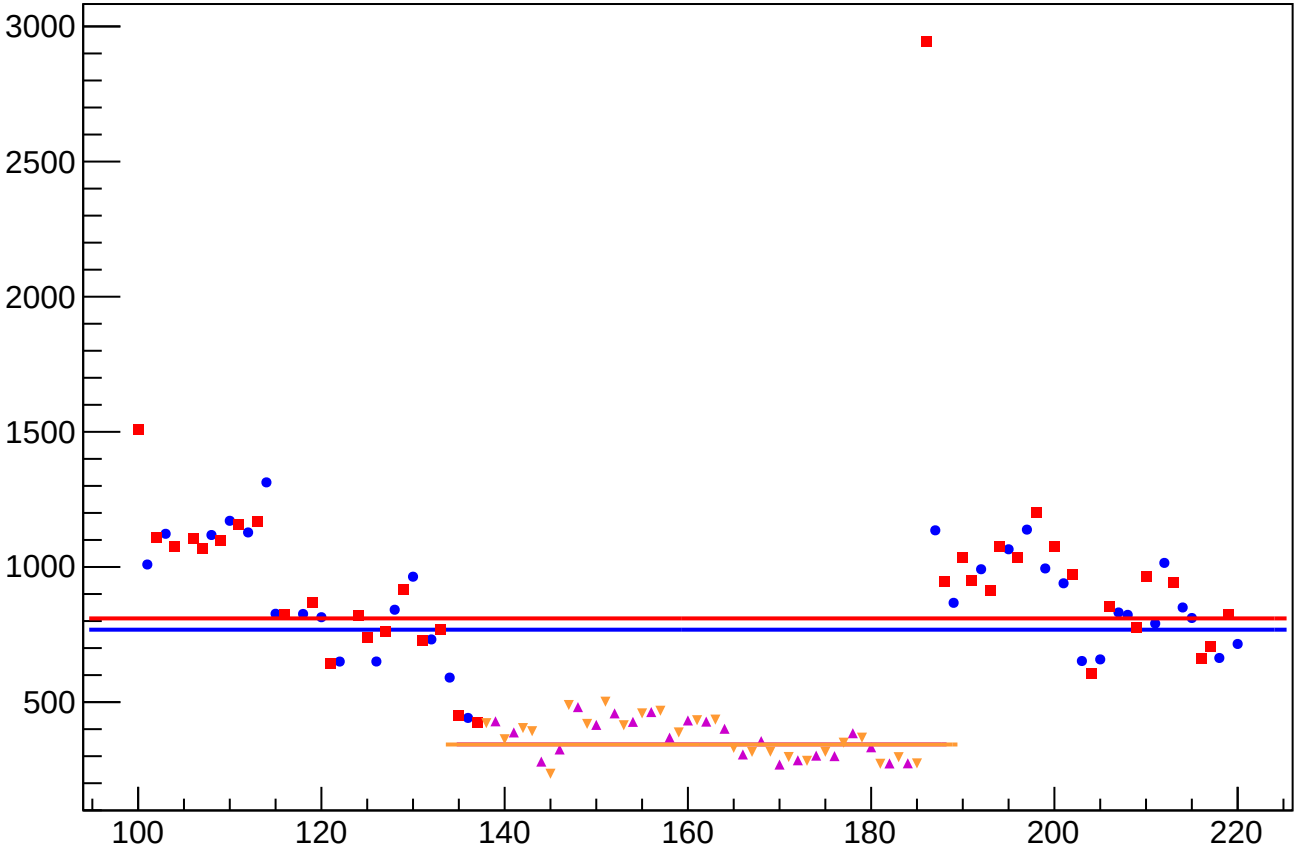
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 189.986+/-72.515 χ^2/NDF: 80.9/57

All: 120.157+/-52.071 χ^2/NDF: 151.9/117

- sign 45.823+/-74.818 χ^2/NDF: 69.1/59

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 768.004+/-0.123 χ^2/NDF: 2553295.3/32

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 809.756+/-0.128 χ^2/NDF: 3045892.3/36

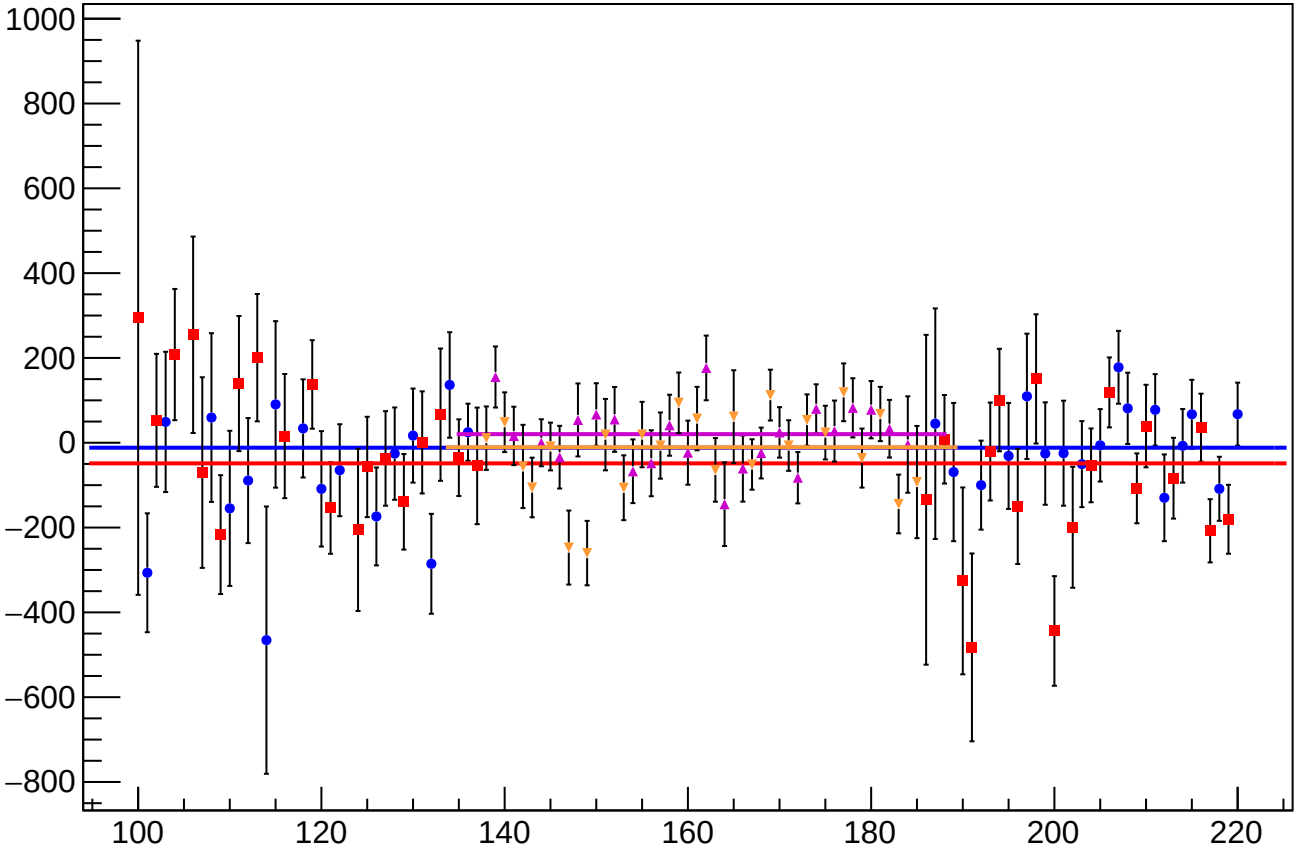
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 417.558+/-0.051 χ^2/NDF: 14056315.5/57

All: 420.107+/-0.037 χ^2/NDF: 29301677.5/11

- sign 422.822+/-0.053 χ^2/NDF: 15240256.6/59

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -11.704+/-18.863 χ^2/NDF: 32.0/32

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -48.645+/-19.451 χ^2/NDF: 51.1/36

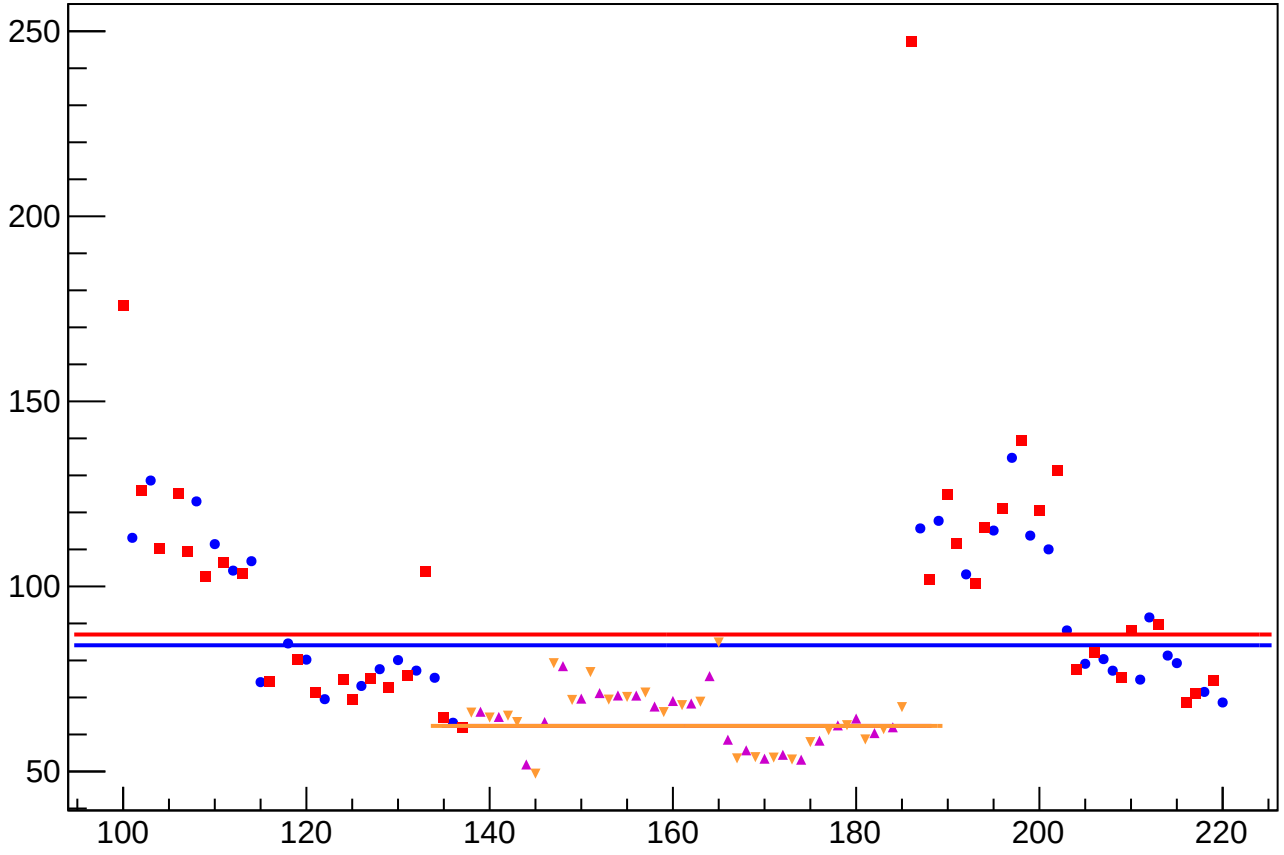
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -11.012+/-11.401 χ^2/NDF: 74.2/57

All: -8.034+/-8.183 χ^2/NDF: 155.1/117

- sign -4.869+/-11.753 χ^2/NDF: 80.8/59

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 84.099+/-0.013 χ^2/NDF: 1638285.2/32

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

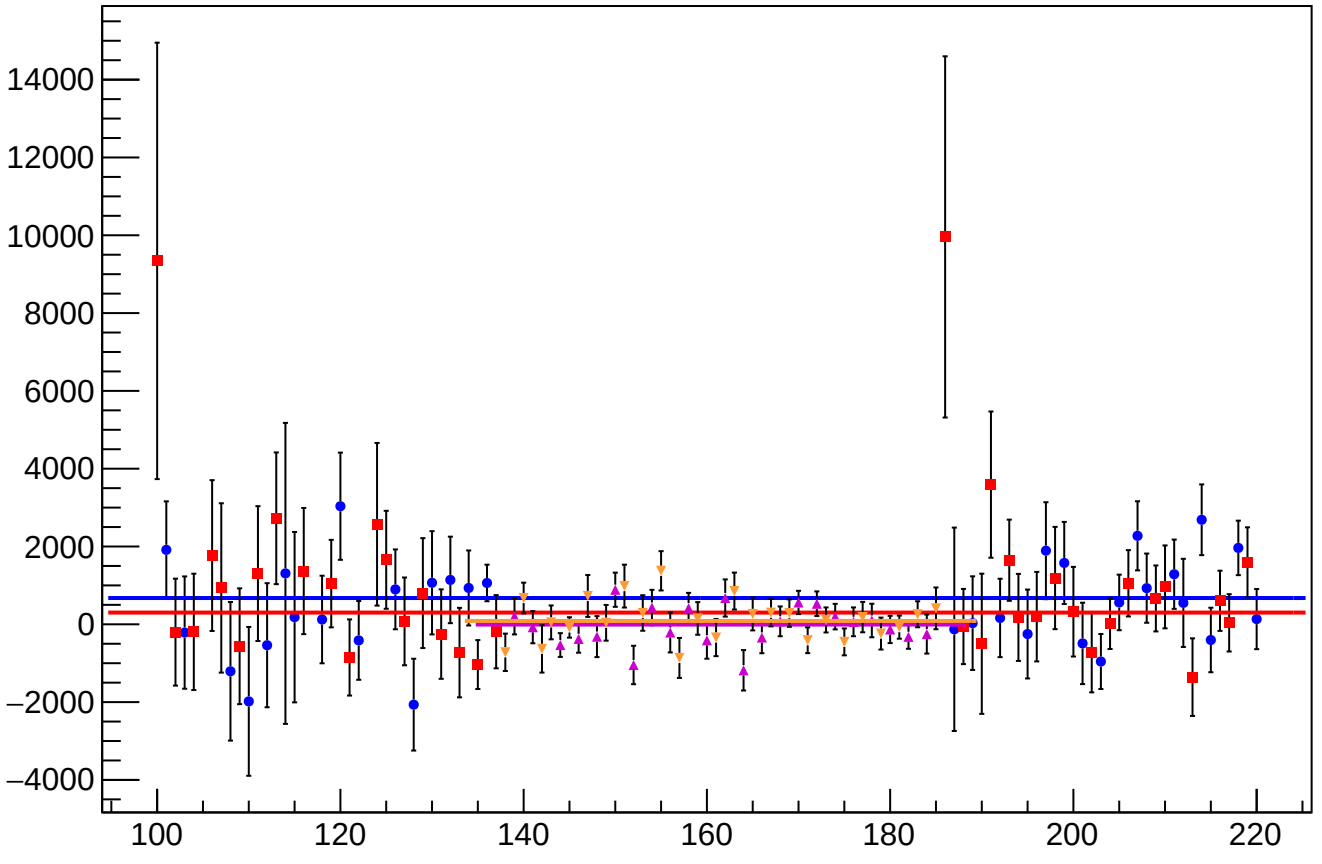
Right Out: 87.009+/-0.014 χ^2/NDF: 2375114.9/36

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 70.274+/-0.008 χ^2/NDF: 3967379.5/57

All: 70.785+/-0.006 χ^2/NDF: 8882809.4/117

- sign 71.328+/-0.008 χ^2/NDF: 4907138.1/59



Right In: 675.595+/-173.350 χ^2/NDF: 39.7/32

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 301.743+/-181.600 χ^2/NDF: 34.3/36

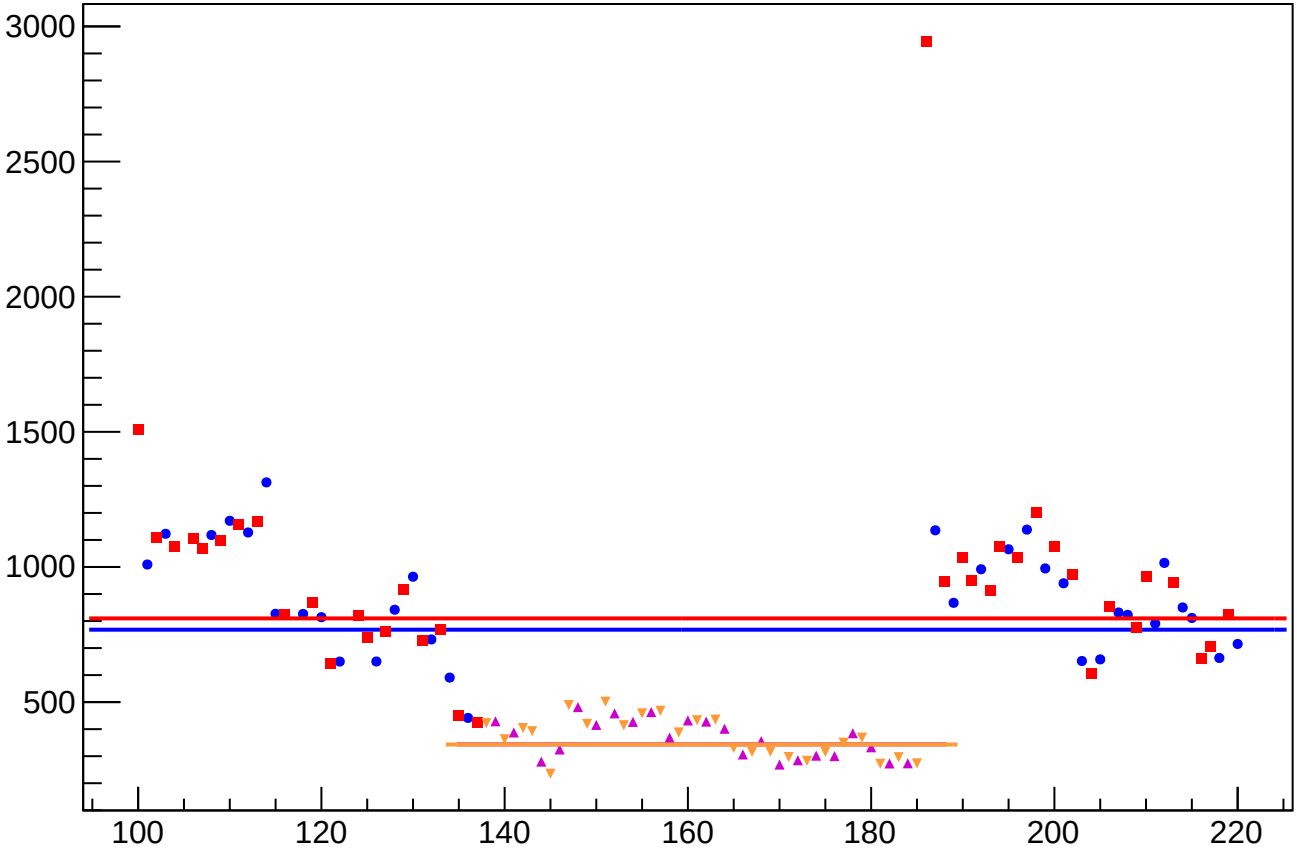
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 189.987+/-72.516 χ^2/NDF: 80.9/57

All: 120.157+/-52.071 χ^2/NDF: 151.9/117

- sign 45.823+/-74.818 χ^2/NDF: 69.1/59

asym_sam_15_26_dd_eigen_dit_correction_rms vs Slug



Right In: 768.004+/-0.123 χ^2/NDF: 2553285.0/32

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 809.756+/-0.128 χ^2/NDF: 3045879.0/36

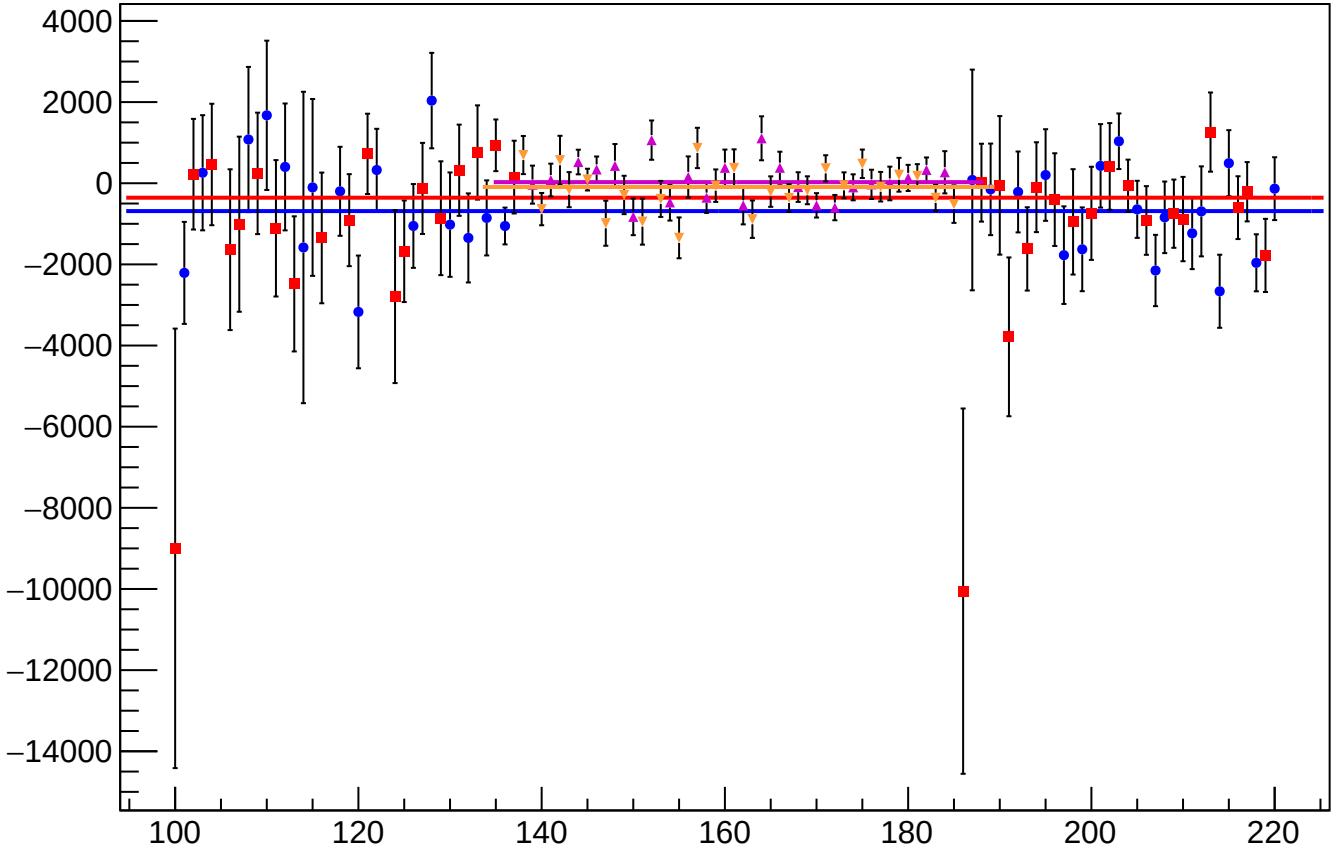
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 417.558+/-0.051 χ^2/NDF: 14056321.4/57

All: 420.108+/-0.037 χ^2/NDF: 29301681.8/11

- sign 422.822+/-0.053 χ^2/NDF: 15240254.6/59

asym_sam_15_26_dd_mean vs Slug



Right In: -686.506+/-170.436 χ^2/NDF: 40.3/32

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -356.411+/-180.450 χ^2/NDF: 32.4/36

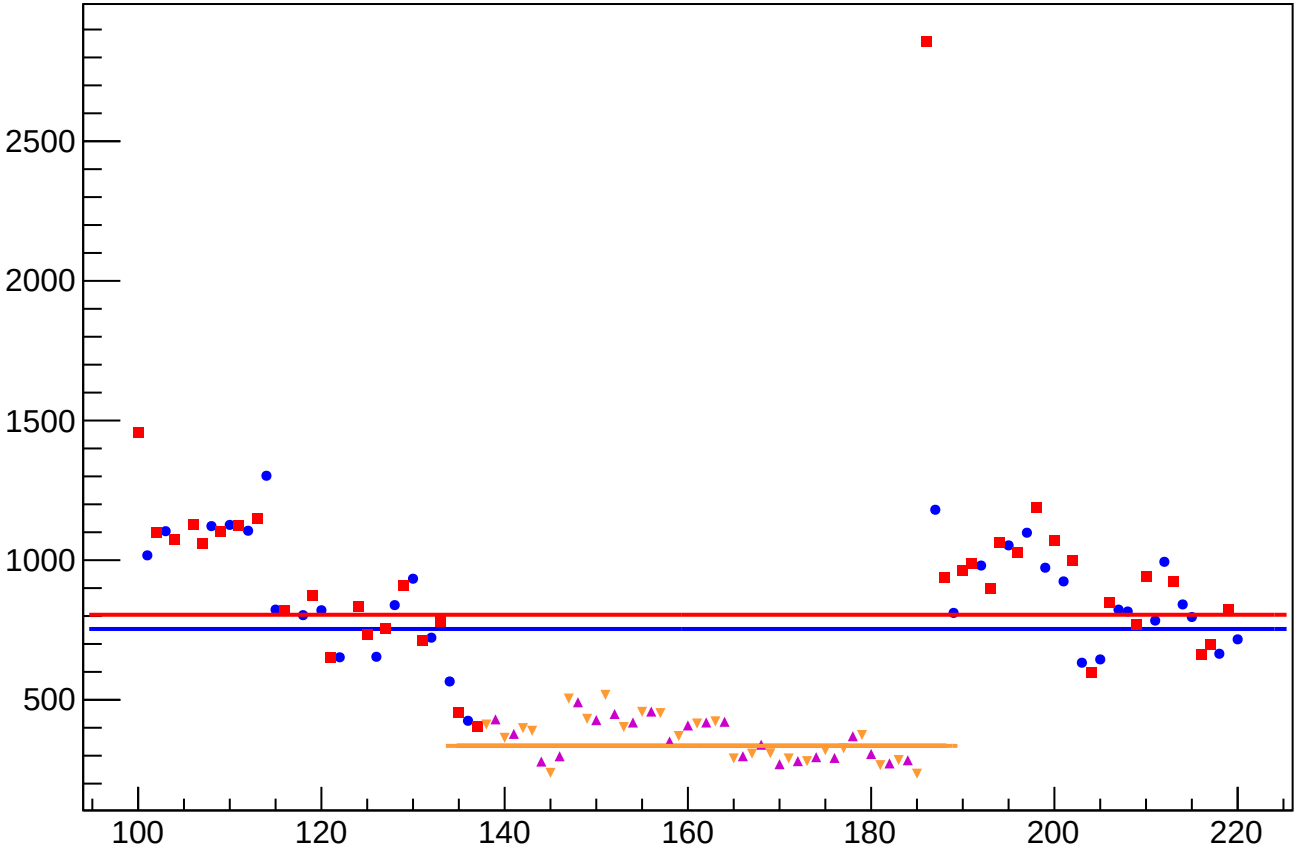
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -195.909+/-71.064 χ^2/NDF: 84.6/57

All: -118.476+/-51.020 χ^2/NDF: 154.1/117

- sign -36.108+/-73.293 χ^2/NDF: 67.1/59

asym_sam_15_26_dd_rms vs Slug



Right In: 753.680+/-0.121 χ^2/NDF: 2652037.9/32

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

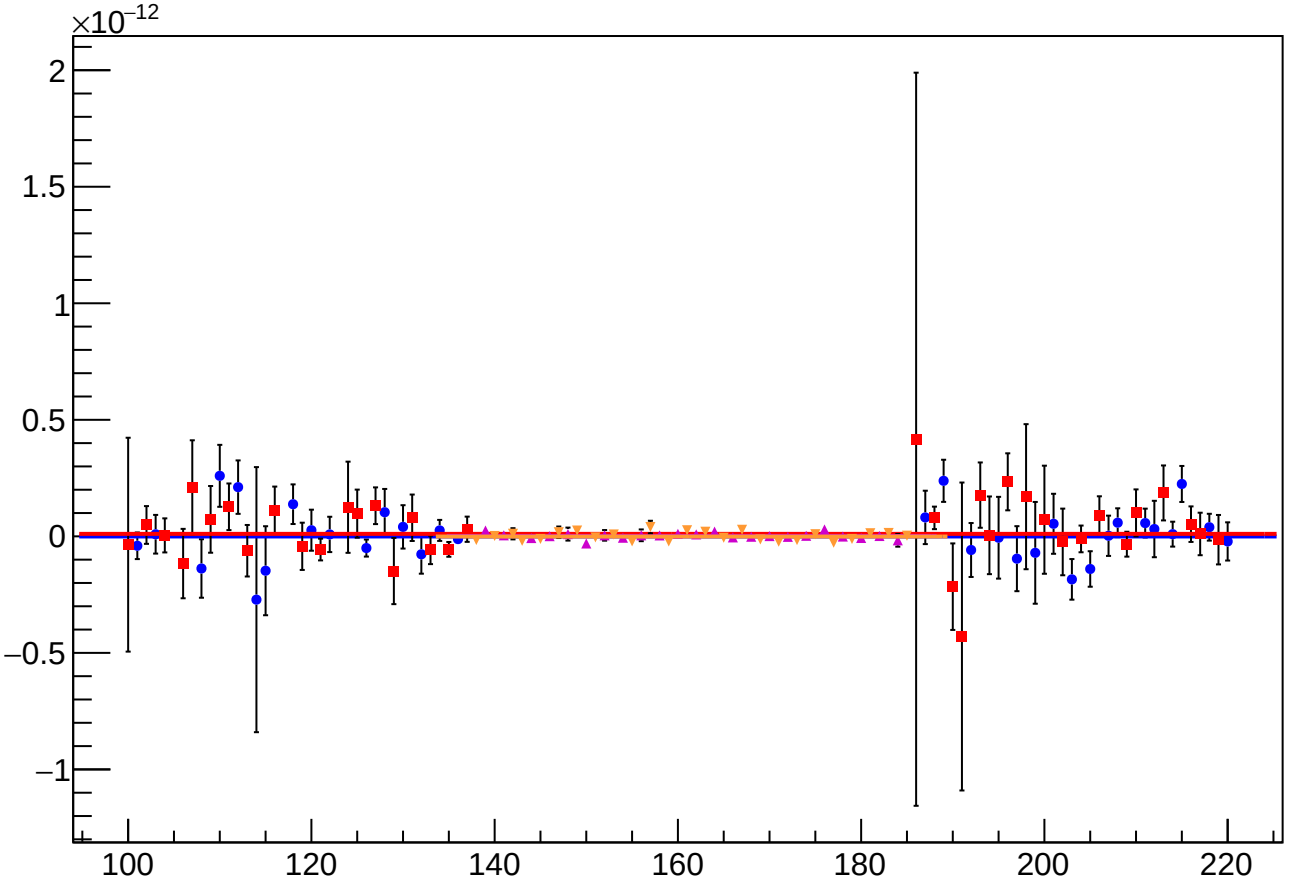
Right Out: 804.590+/-0.128 χ^2/NDF: 3035470.3/36

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 407.911+/-0.050 χ^2/NDF: 14321728.7/57

All: 410.439+/-0.036 χ^2/NDF: 29925677.0/11

- sign 413.127+/-0.052 χ^2/NDF: 15598726.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 44.9/32

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

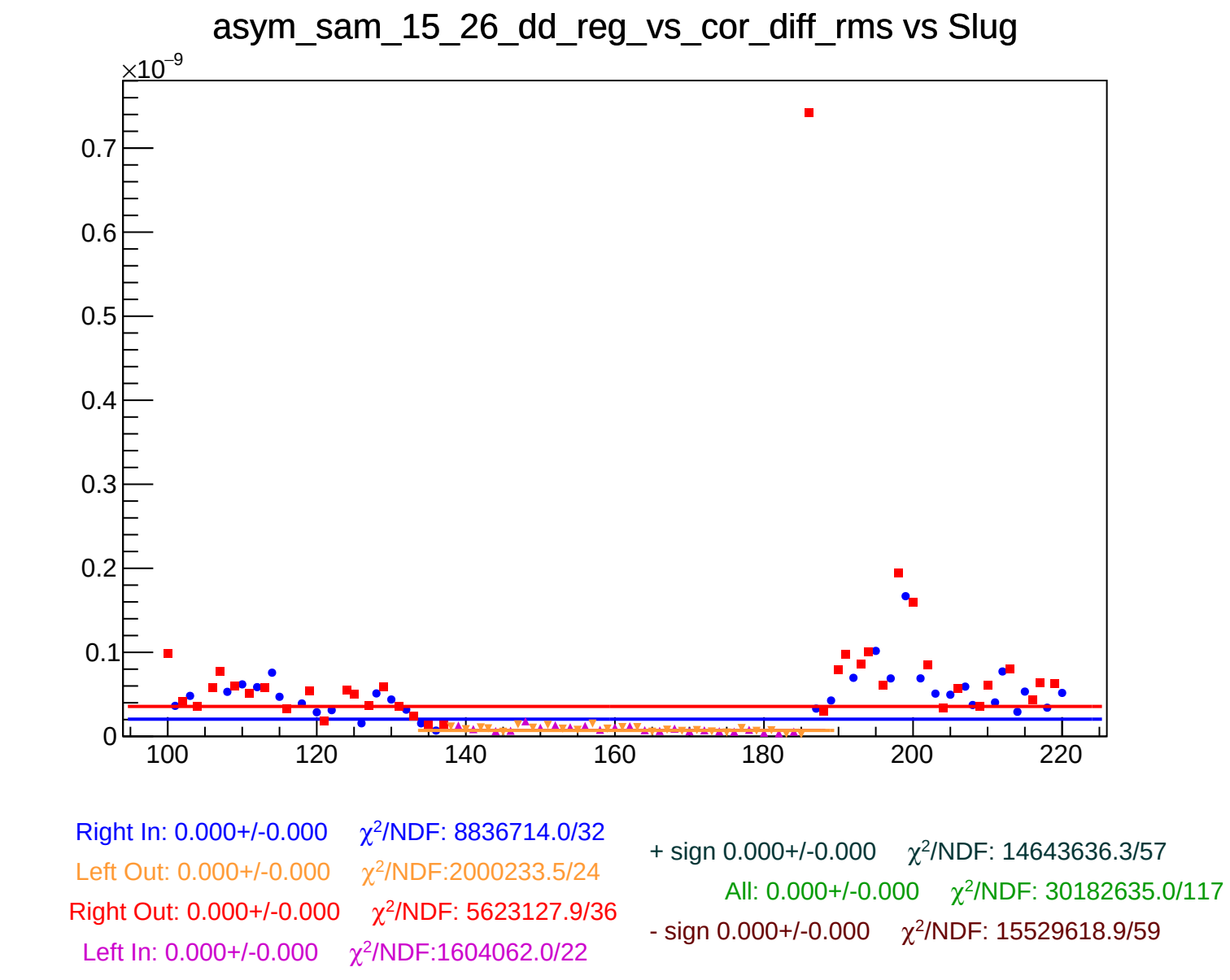
Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/36

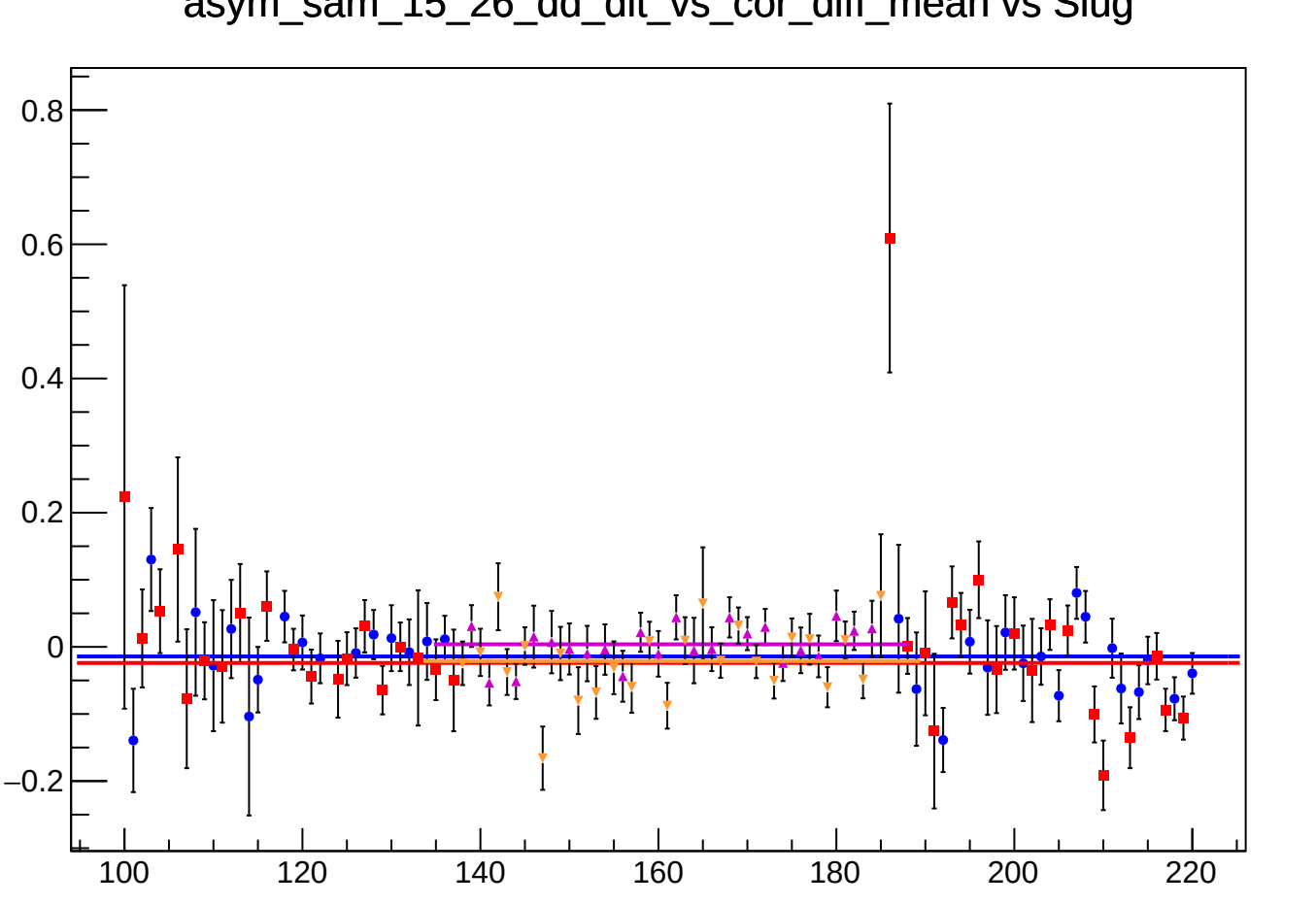
Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 78.1/57

All: 0.000+/-0.000 χ^2/NDF: 126.3/117

- sign 0.000+/-0.000 χ^2/NDF: 47.7/59


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
220
Right In: 0.000+/-0.000 χ²/NDF: 8836714.0/32
Left Out: 0.000+/-0.000 χ²/NDF:2000233.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 5623127.9/36
Left In: 0.000+/-0.000 χ²/NDF:1604062.0/22
+ sign 0.000+/-0.000 χ²/NDF: 14643636.3/57
All: 0.000+/-0.000 χ²/NDF: 30182635.0/117
- sign 0.000+/-0.000 χ²/NDF: 15529618.9/59



Right In: -0.014+/-0.008 χ^2/NDF: 38.3/32

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: -0.024+/-0.008 χ^2/NDF: 68.8/36

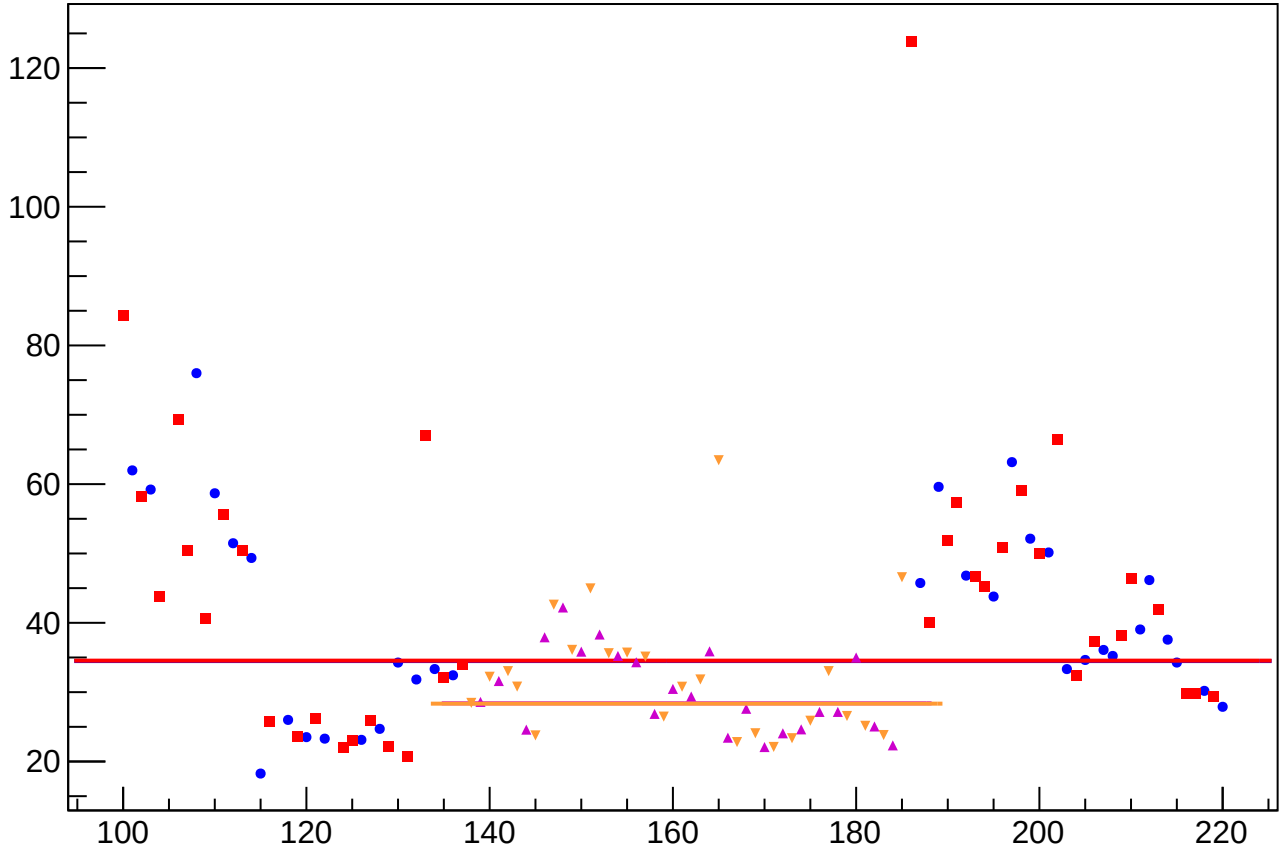
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.005 χ^2/NDF: 75.8/57

All: -0.013+/-0.004 χ^2/NDF: 172.3/117

- sign -0.008+/-0.005 χ^2/NDF: 94.4/59

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.483+/-0.006 χ^2/NDF: 3298851.3/32

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

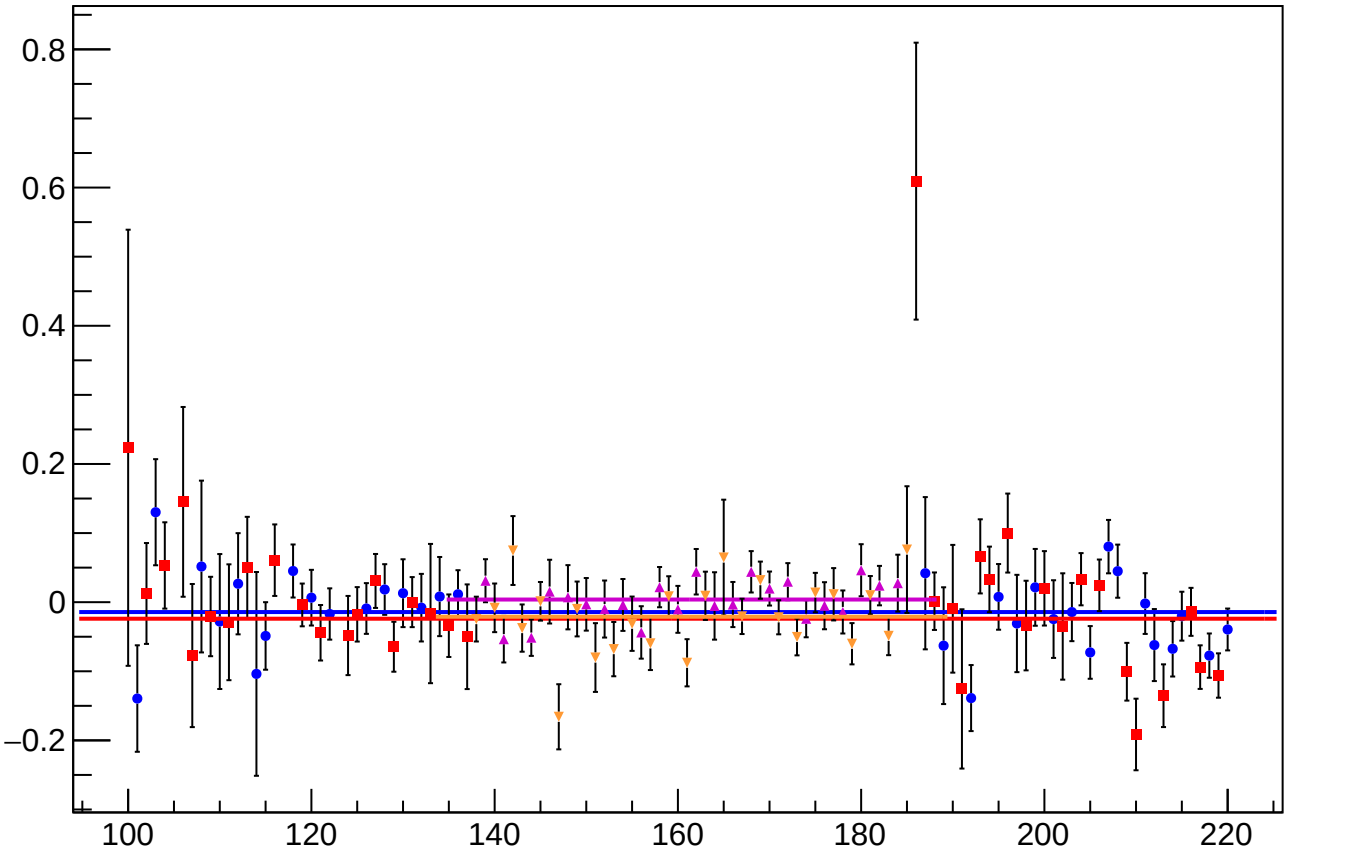
Right Out: 34.546+/-0.006 χ^2/NDF: 4287362.3/36

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.853+/-0.004 χ^2/NDF: 5725662.6/57

All: 30.916+/-0.003 χ^2/NDF: 11790876.6/117

- sign 30.982+/-0.004 χ^2/NDF: 6064586.1/59



Right In: -0.014+/-0.008 χ^2/NDF: 38.3/32

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

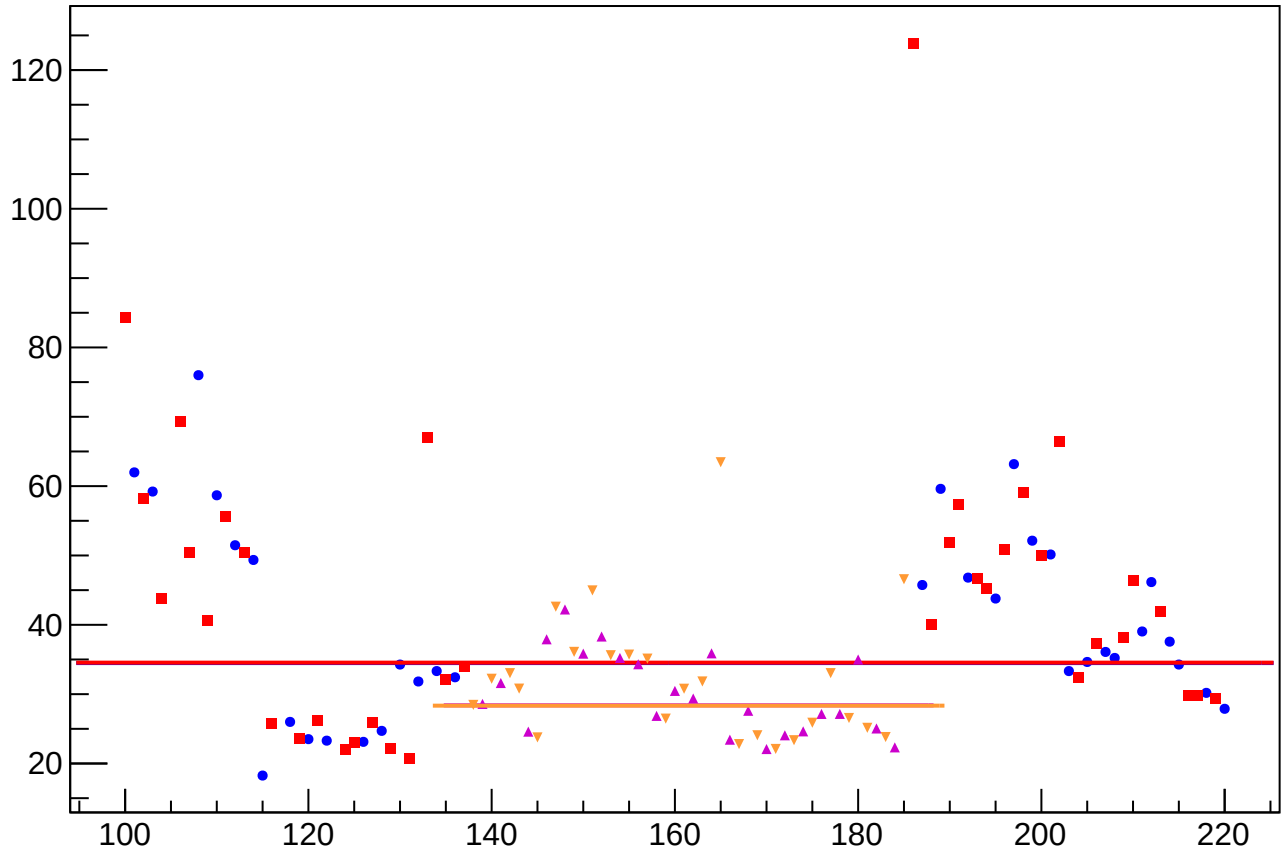
Right Out: -0.024+/-0.008 χ^2/NDF: 68.8/36

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.005 χ^2/NDF: 75.8/57

All: -0.013+/-0.004 χ^2/NDF: 172.3/117

- sign -0.008+/-0.005 χ^2/NDF: 94.4/59



Right In: 34.483+/-0.006 χ^2/NDF: 3298851.3/32

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

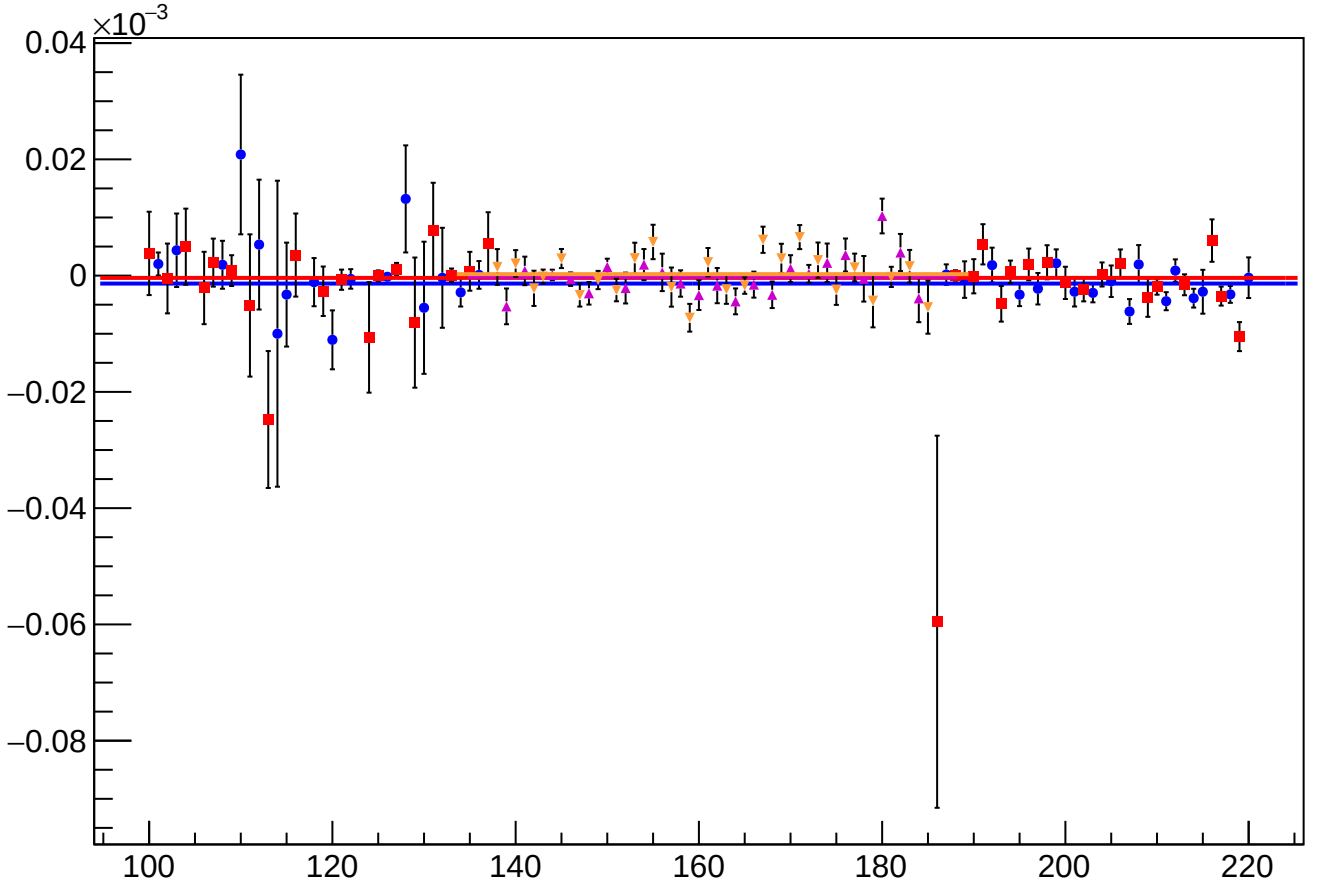
Right Out: 34.546+/-0.006 χ^2/NDF: 4287362.3/36

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.853+/-0.004 χ^2/NDF: 5725662.6/57

All: 30.916+/-0.003 χ^2/NDF: 11790876.6/117

- sign 30.982+/-0.004 χ^2/NDF: 6064586.1/59



Right In: -0.000+/-0.000 χ^2/NDF: 38.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

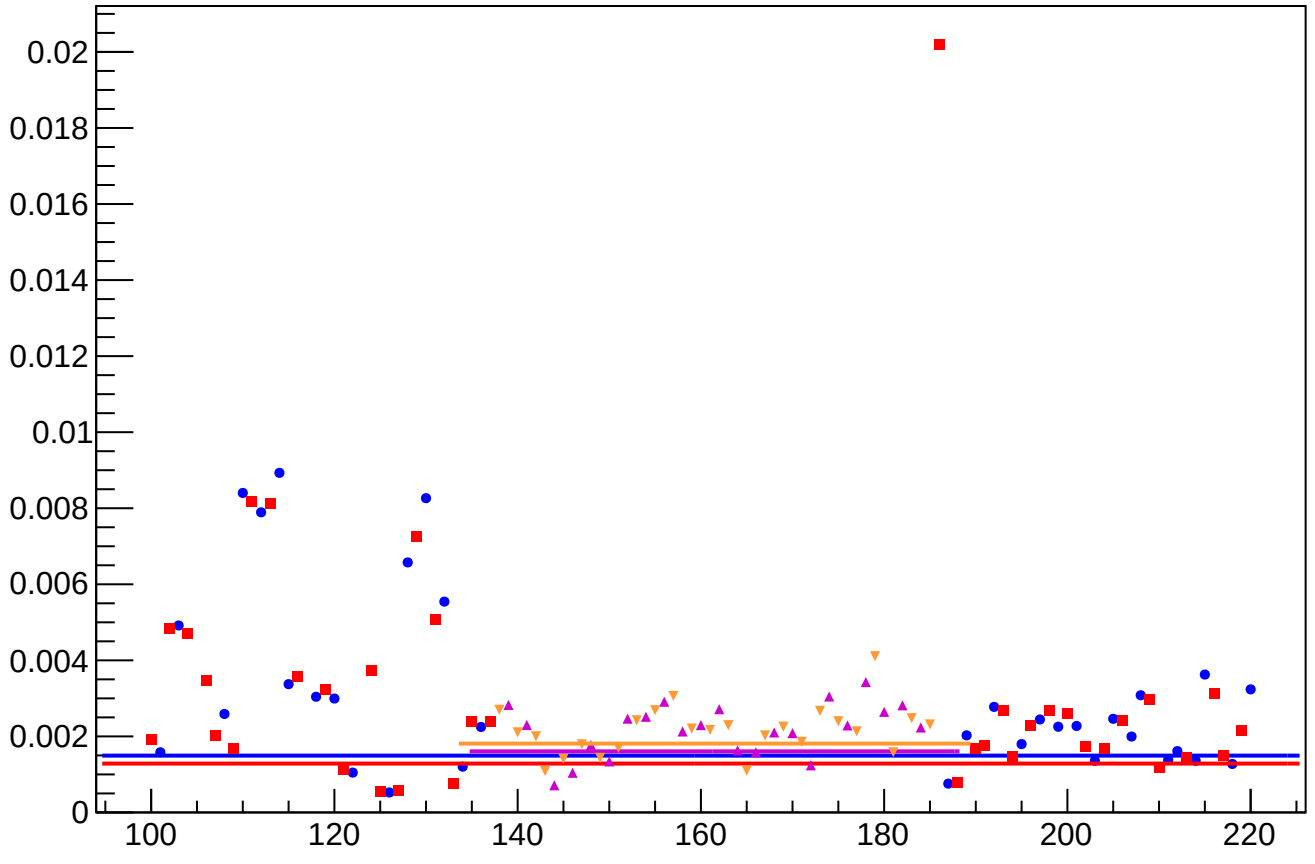
Right Out: -0.000+/-0.000 χ^2/NDF: 51.6/36

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 97.1/57

All: -0.000+/-0.000 χ^2/NDF: 182.6/117

- sign -0.000+/-0.000 χ^2/NDF: 84.9/59



Right In: 0.001+/-0.000 χ^2/NDF: 10962257.8/32

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

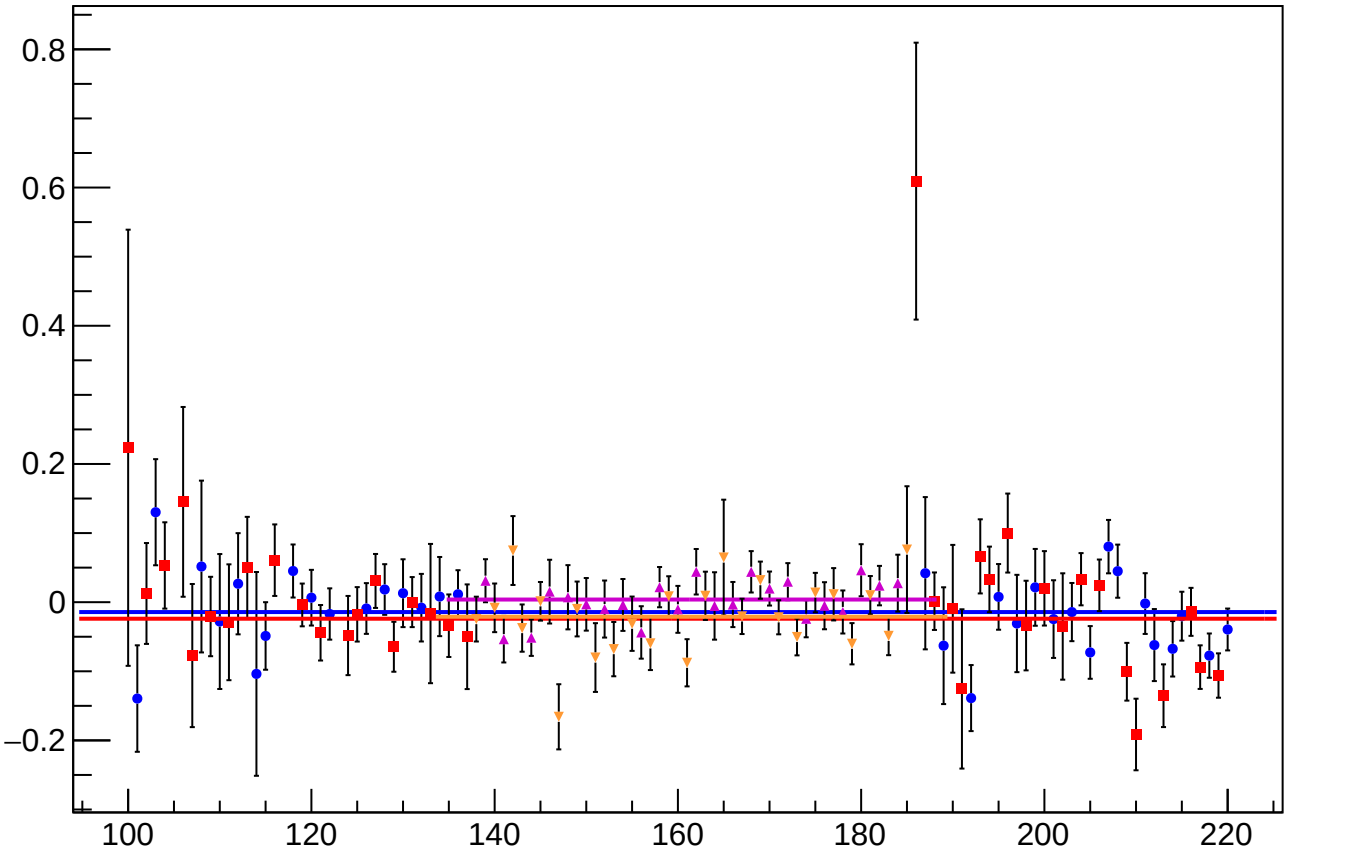
Right Out: 0.001+/-0.000 χ^2/NDF: 12488221.3/36

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 14975474.0/57

All: 0.002+/-0.000 χ^2/NDF: 34793369.7/117

- sign 0.001+/-0.000 χ^2/NDF: 19202562.3/59



Right In: -0.014+/-0.008 χ^2/NDF: 38.3/32

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

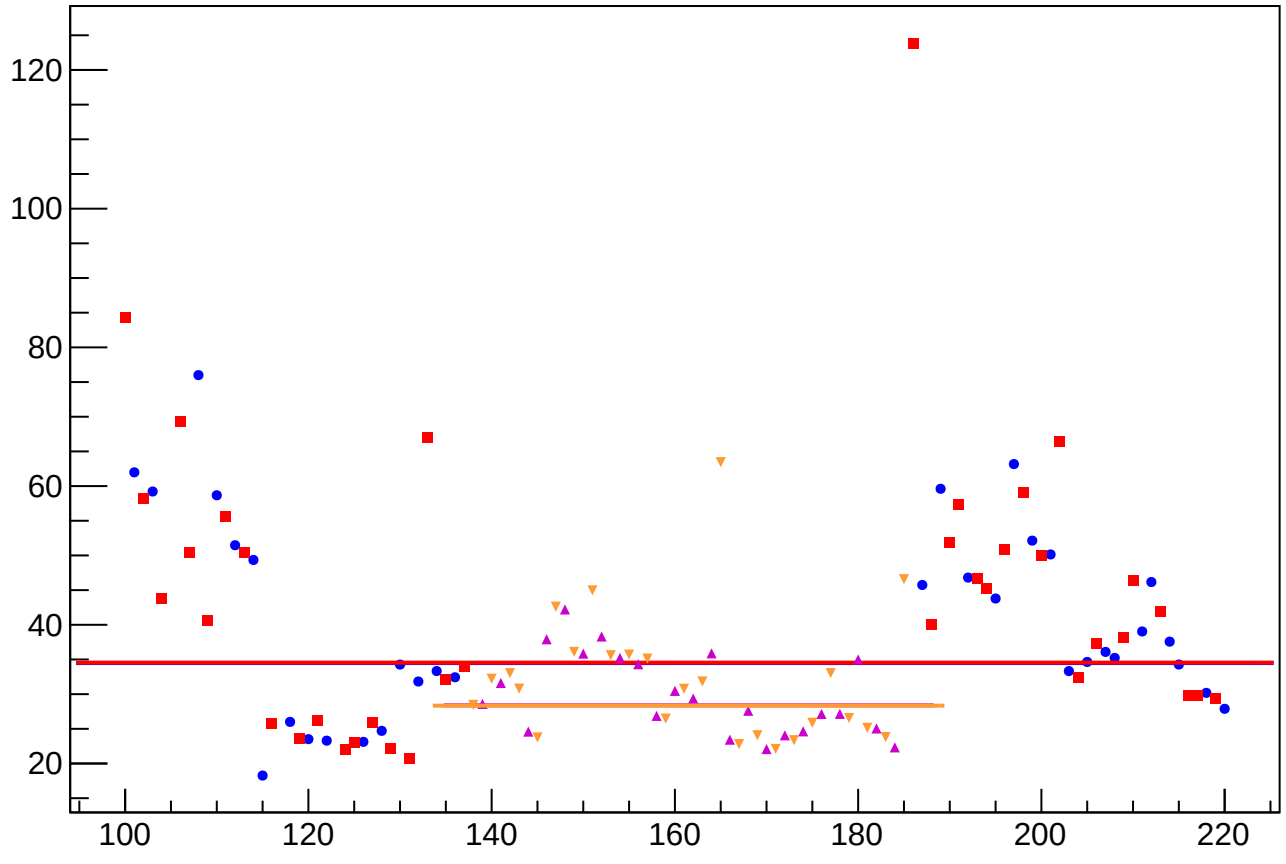
Right Out: -0.024+/-0.008 χ^2/NDF: 68.8/36

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.005 χ^2/NDF: 75.8/57

All: -0.013+/-0.004 χ^2/NDF: 172.3/117

- sign -0.008+/-0.005 χ^2/NDF: 94.4/59



Right In: 34.483+/-0.006 χ^2/NDF: 3298725.6/32

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

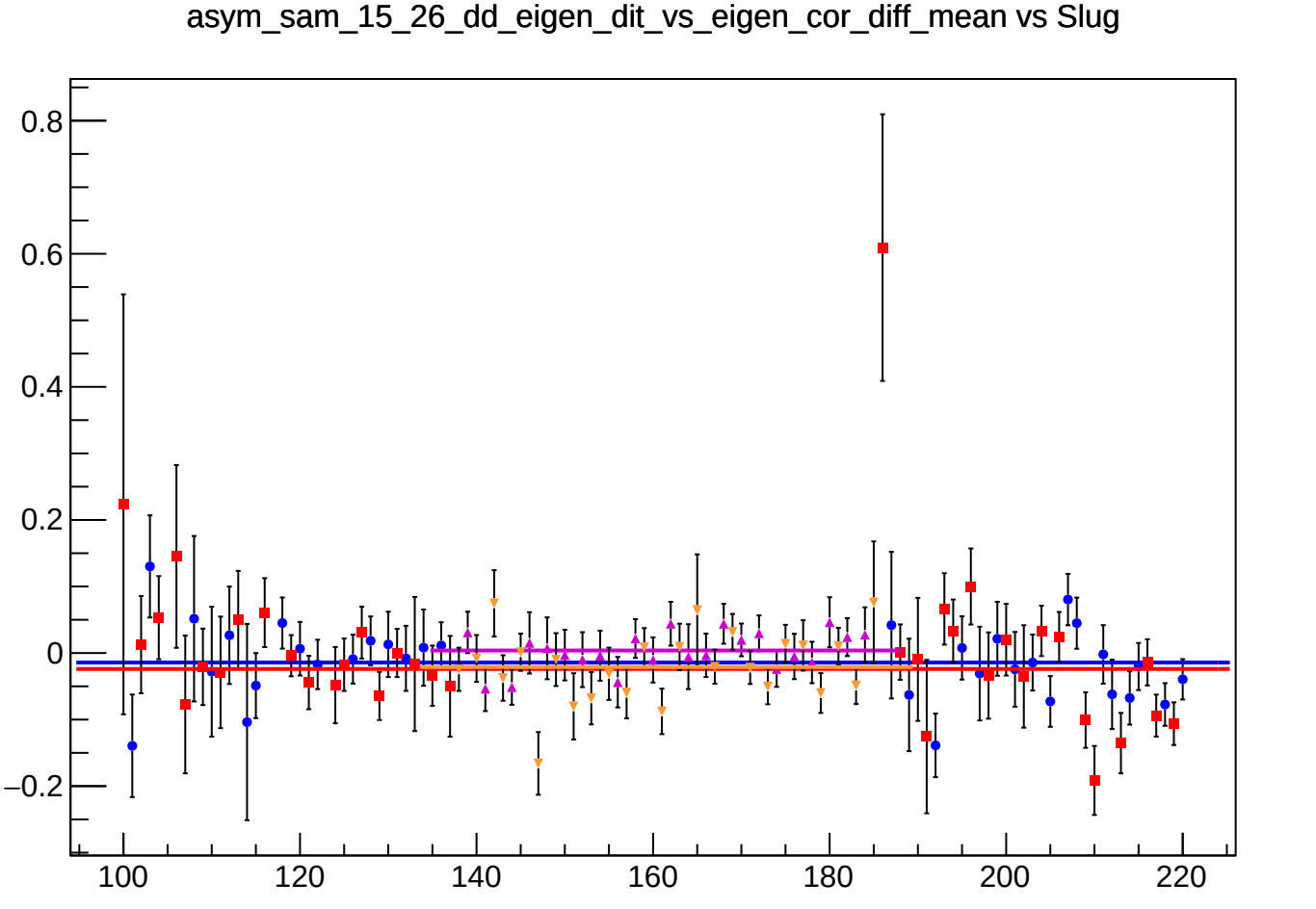
Right Out: 34.545+/-0.006 χ^2/NDF: 4287466.0/36

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.853+/-0.004 χ^2/NDF: 5725518.2/57

All: 30.916+/-0.003 χ^2/NDF: 11790714.5/117

- sign 30.982+/-0.004 χ^2/NDF: 6064568.3/59



Right In: -0.014+/-0.008 χ^2/NDF: 38.3/32

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

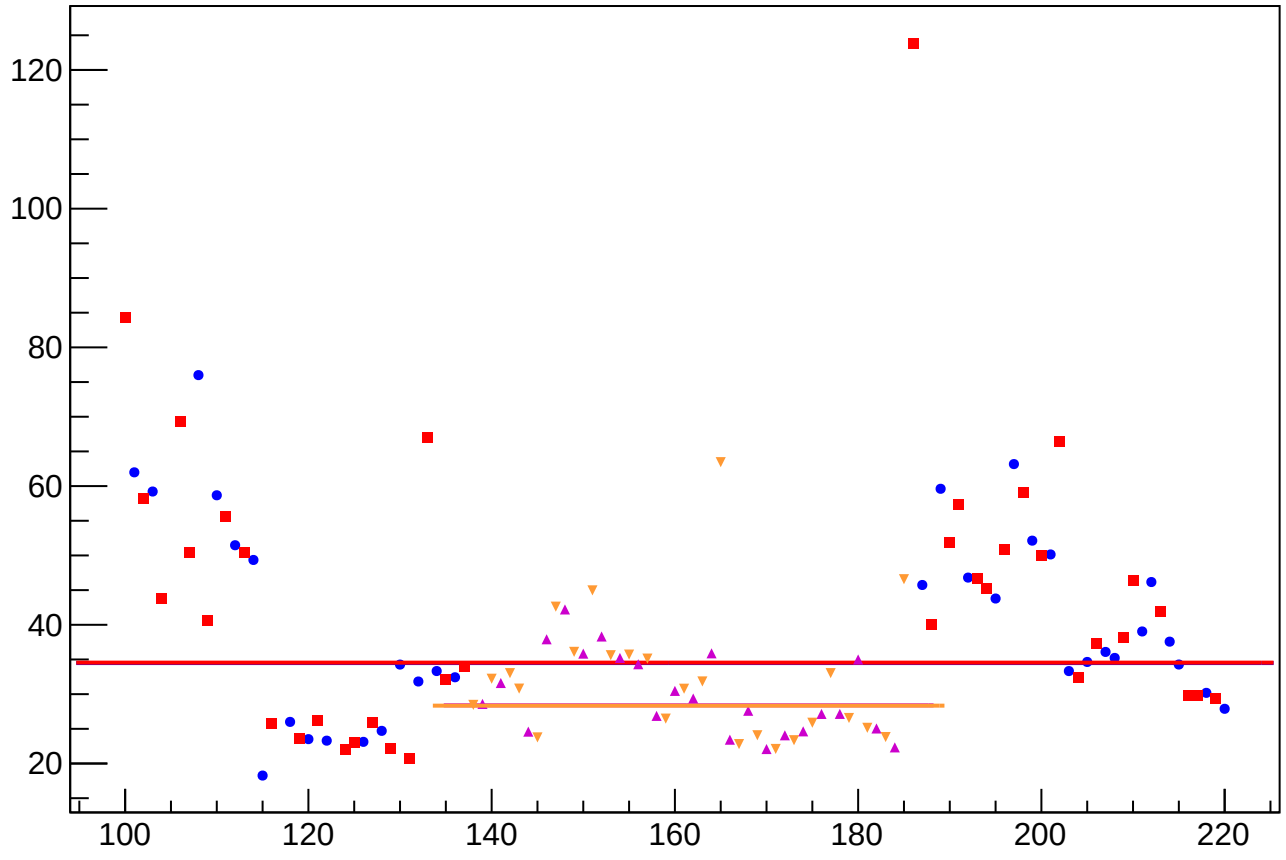
Right Out: -0.024+/-0.008 χ^2/NDF: 68.8/36

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.005 χ^2/NDF: 75.8/57

All: -0.013+/-0.004 χ^2/NDF: 172.3/117

- sign -0.008+/-0.005 χ^2/NDF: 94.4/59



Right In: 34.483+/-0.006 χ^2/NDF: 3298725.6/32

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

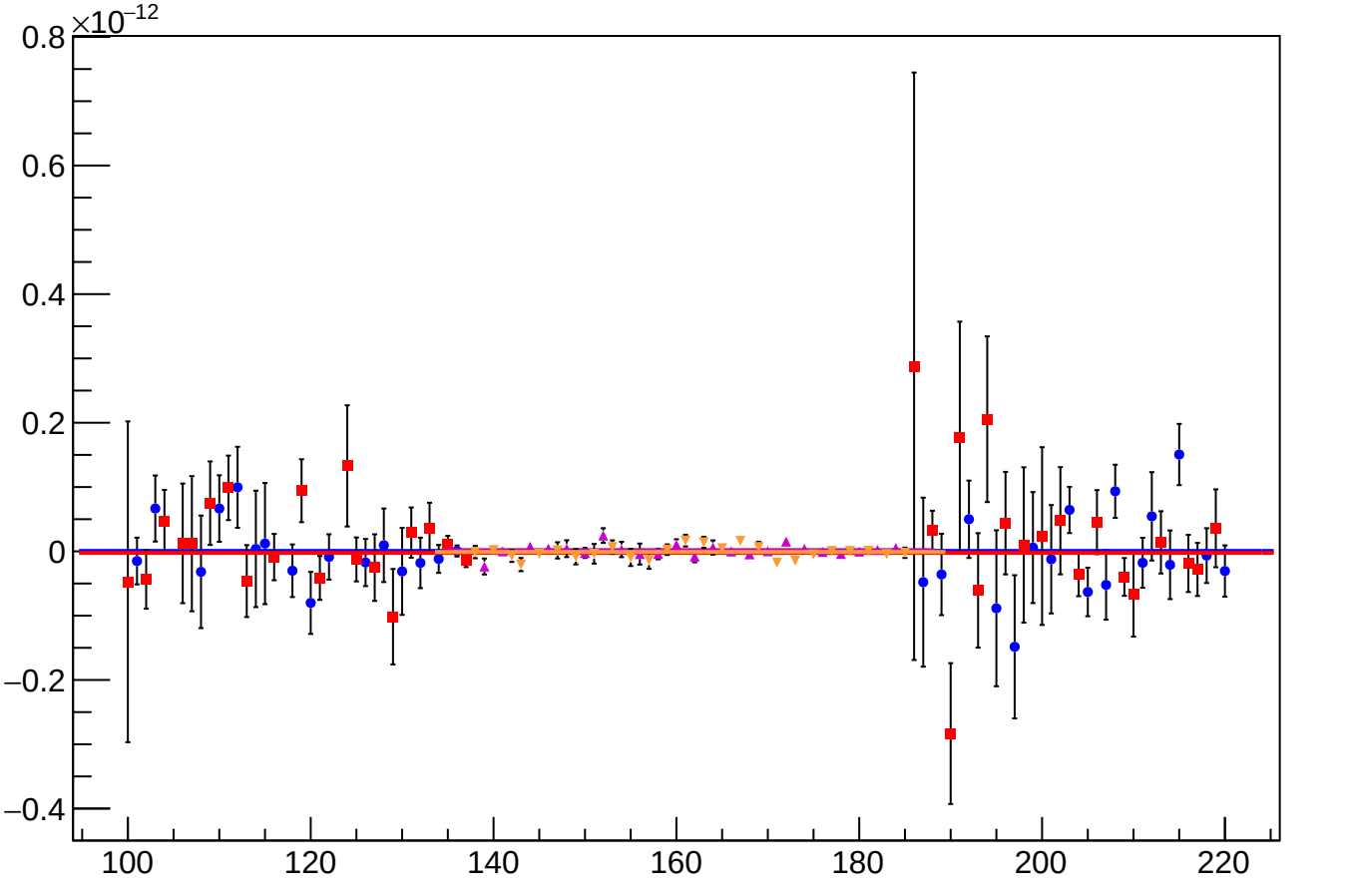
Right Out: 34.545+/-0.006 χ^2/NDF: 4287466.0/36

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.853+/-0.004 χ^2/NDF: 5725518.2/57

All: 30.916+/-0.003 χ^2/NDF: 11790714.5/117

- sign 30.982+/-0.004 χ^2/NDF: 6064568.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 37.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:34.1/24

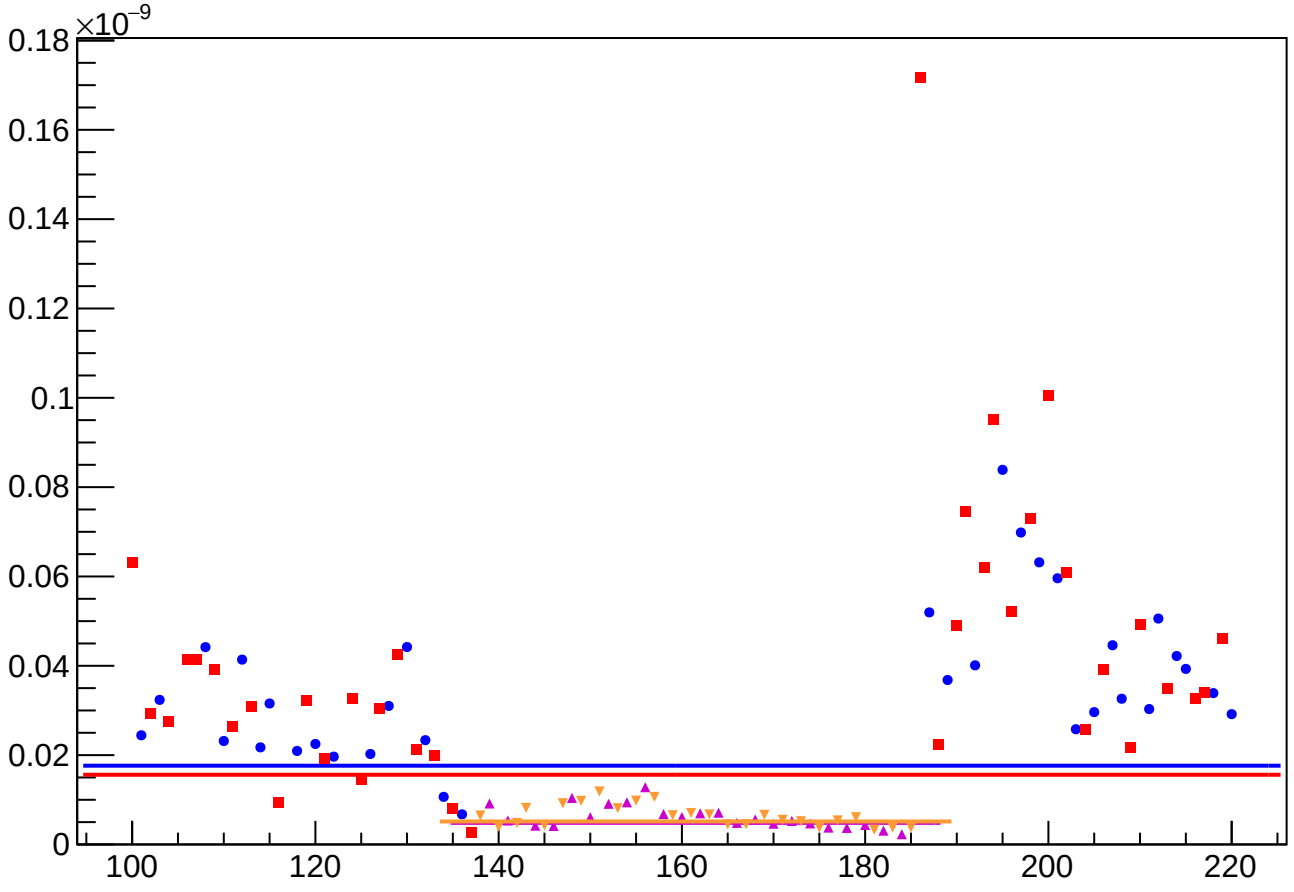
Right Out: -0.000+/-0.000 χ^2/NDF: 40.0/36

Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.8/57

All: 0.000+/-0.000 χ^2/NDF: 133.5/117

- sign 0.000+/-0.000 χ^2/NDF: 60.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 10419165.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12938916.0/36

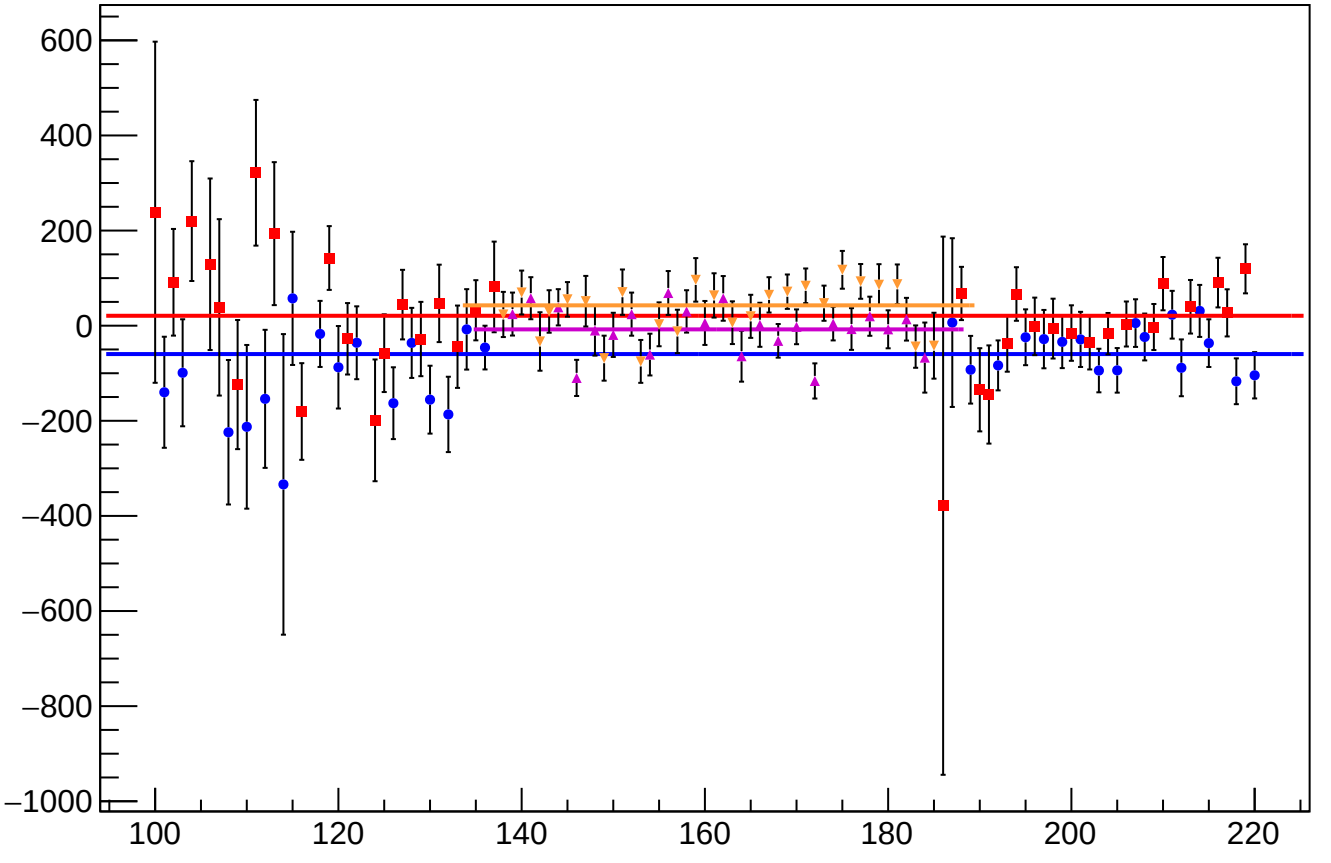
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 21619946.3/57

All: 0.000+/-0.000 χ^2/NDF: 43973286.0/117

- sign 0.000+/-0.000 χ^2/NDF: 22272920.3/59

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -59.683+/-11.212 χ^2/NDF: 25.0/32

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 20.837+/-11.528 χ^2/NDF: 41.5/36

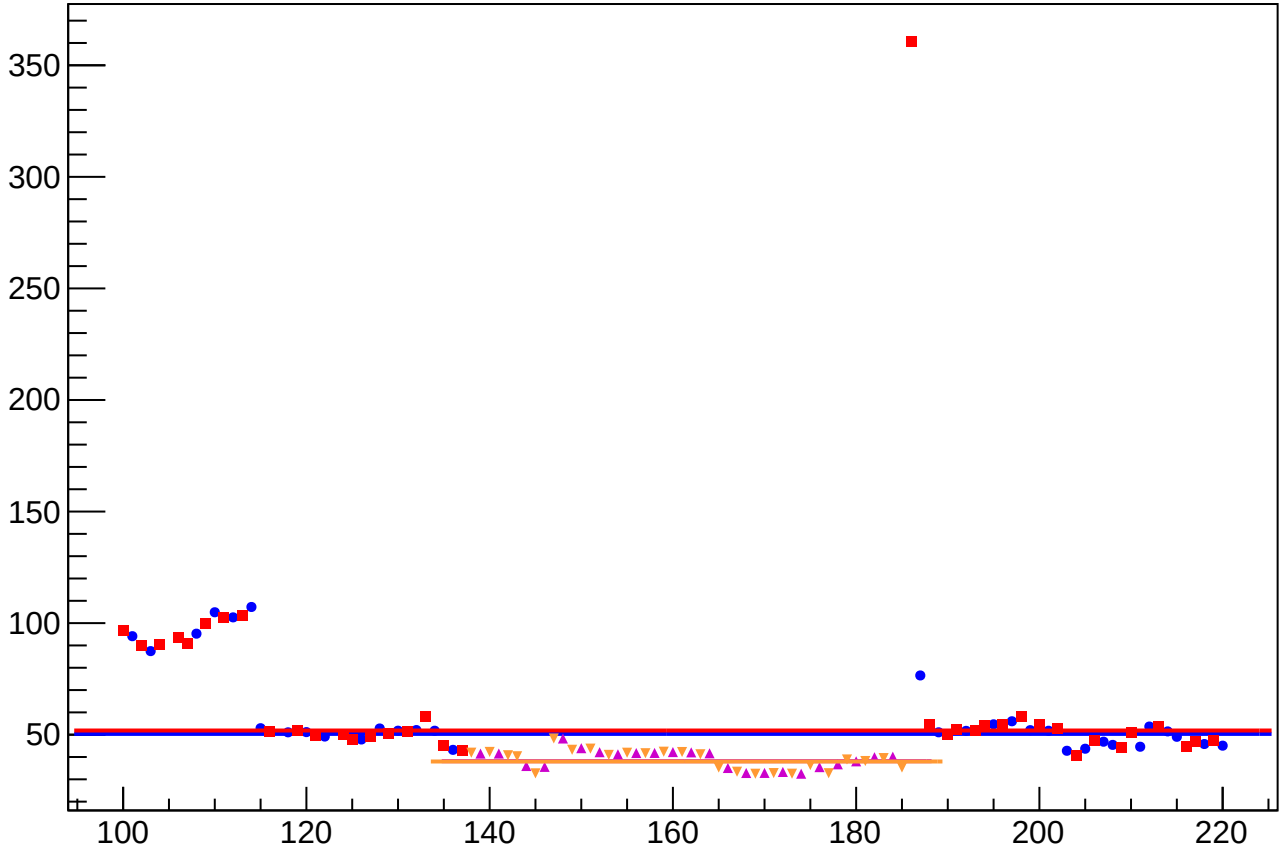
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 4.274+/-6.873 χ^2/NDF: 111.8/57

All: 3.664+/-4.932 χ^2/NDF: 187.8/117

- sign 3.016+/-7.082 χ^2/NDF: 75.9/59

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 50.357+/-0.008 χ^2/NDF: 1530551.4/32

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 51.875+/-0.008 χ^2/NDF: 2320025.2/36

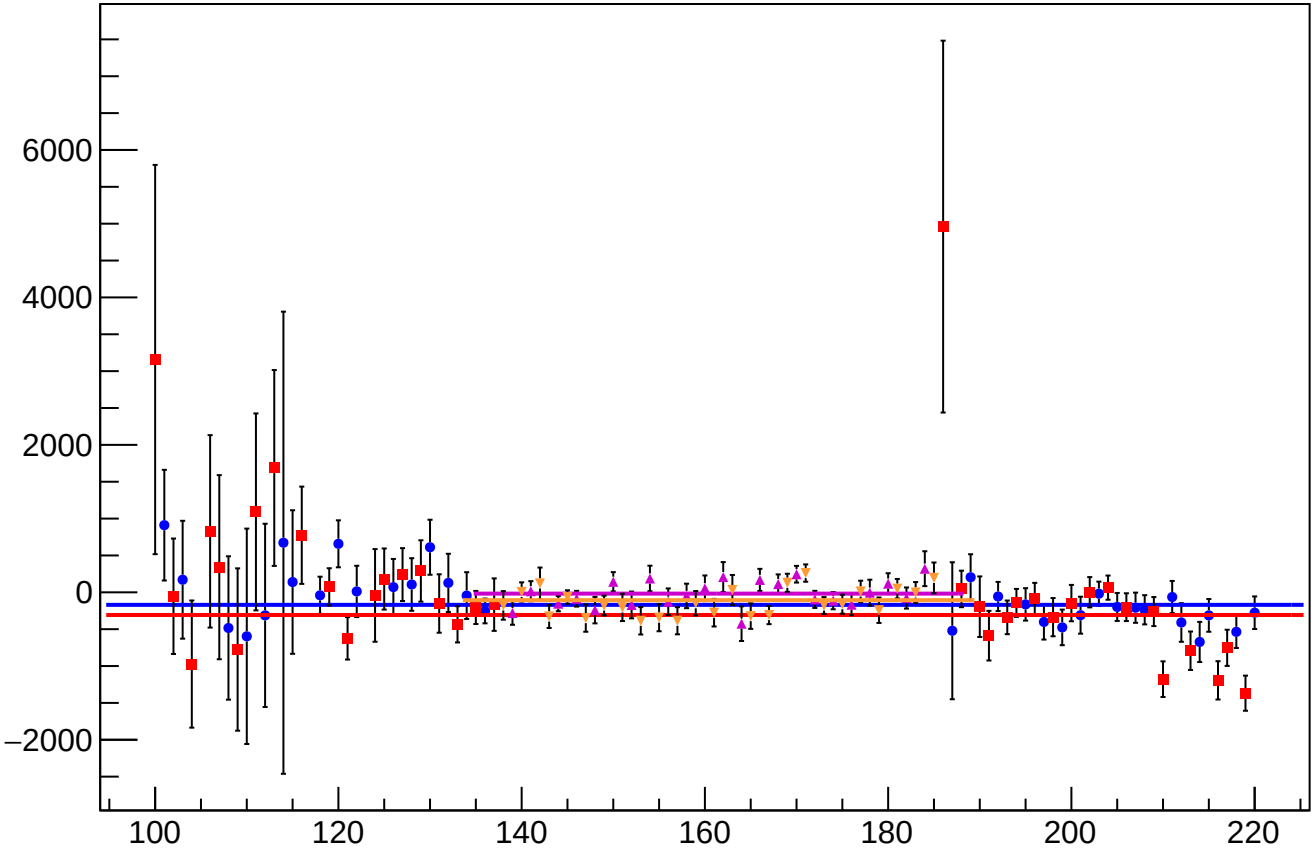
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.636+/-0.005 χ^2/NDF: 3563120.0/57

All: 42.967+/-0.003 χ^2/NDF: 8090725.5/117

- sign 43.318+/-0.005 χ^2/NDF: 4518043.7/59

asym_sam_37_26_dd_reg_correction_mean vs Slug



Right In: -169.986+/-47.263 χ^2/NDF: 30.0/32

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -307.447+/-47.942 χ^2/NDF: 88.2/36

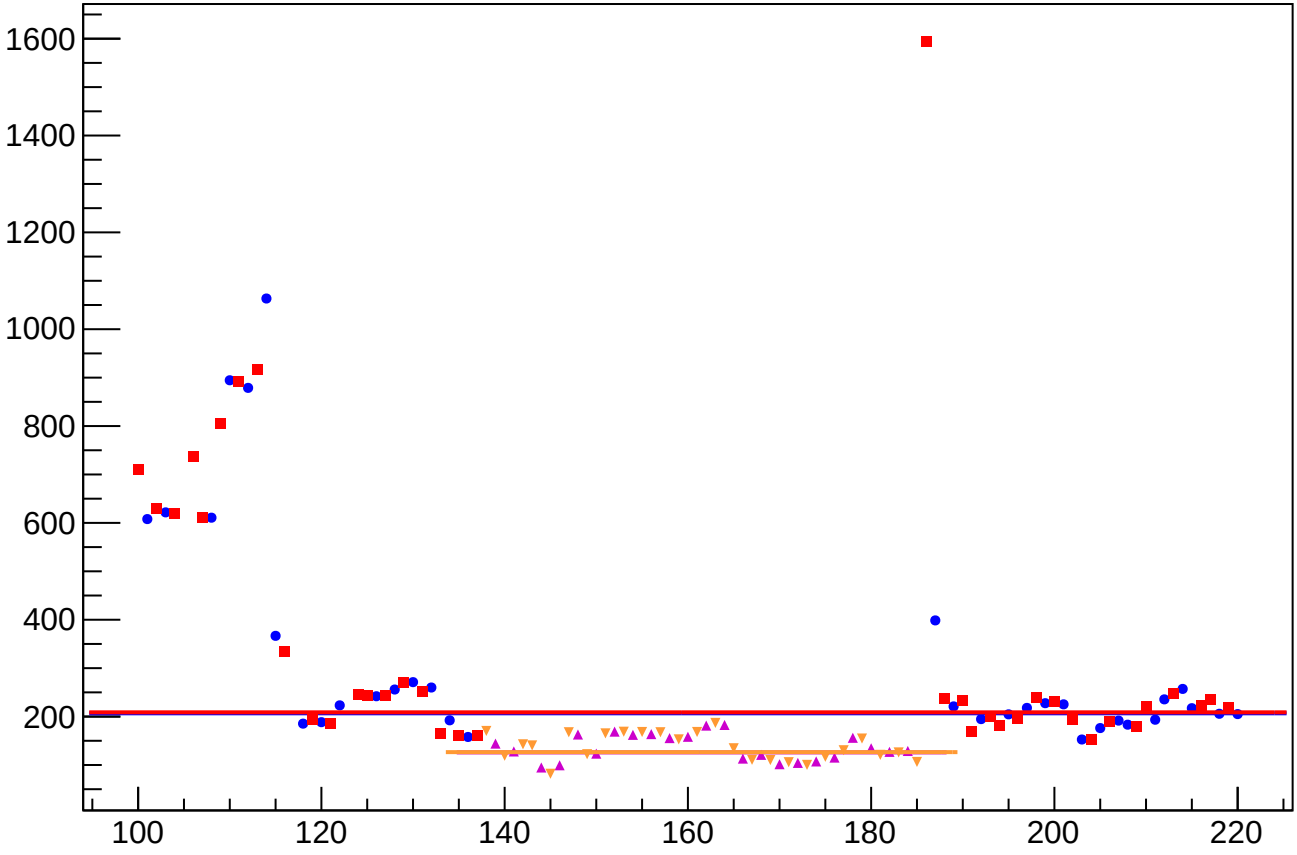
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -124.358+/-25.064 χ^2/NDF: 68.9/57

All: -112.324+/-17.890 χ^2/NDF: 212.0/117

- sign -99.824+/-25.544 χ^2/NDF: 142.6/59

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 206.741+/-0.033 χ^2/NDF: 3578052.5/32

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 208.775+/-0.034 χ^2/NDF: 4863141.0/36

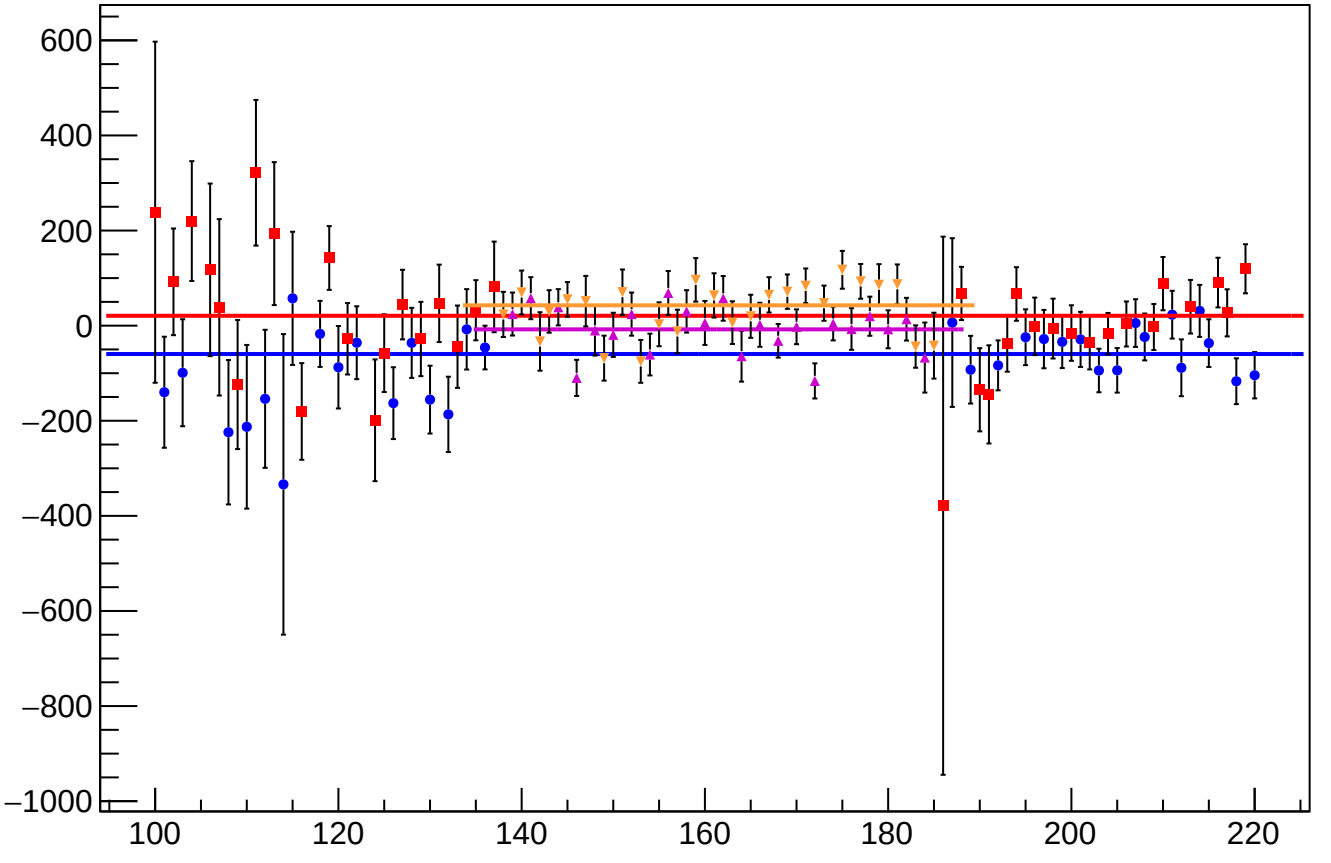
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 149.110+/-0.018 χ^2/NDF: 9473470.7/57

All: 149.305+/-0.013 χ^2/NDF: 20015690.6/11

- sign 149.508+/-0.018 χ^2/NDF: 10541971.4/59

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -59.681+/-11.212 χ^2/NDF: 25.0/32

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 20.793+/-11.528 χ^2/NDF: 41.4/36

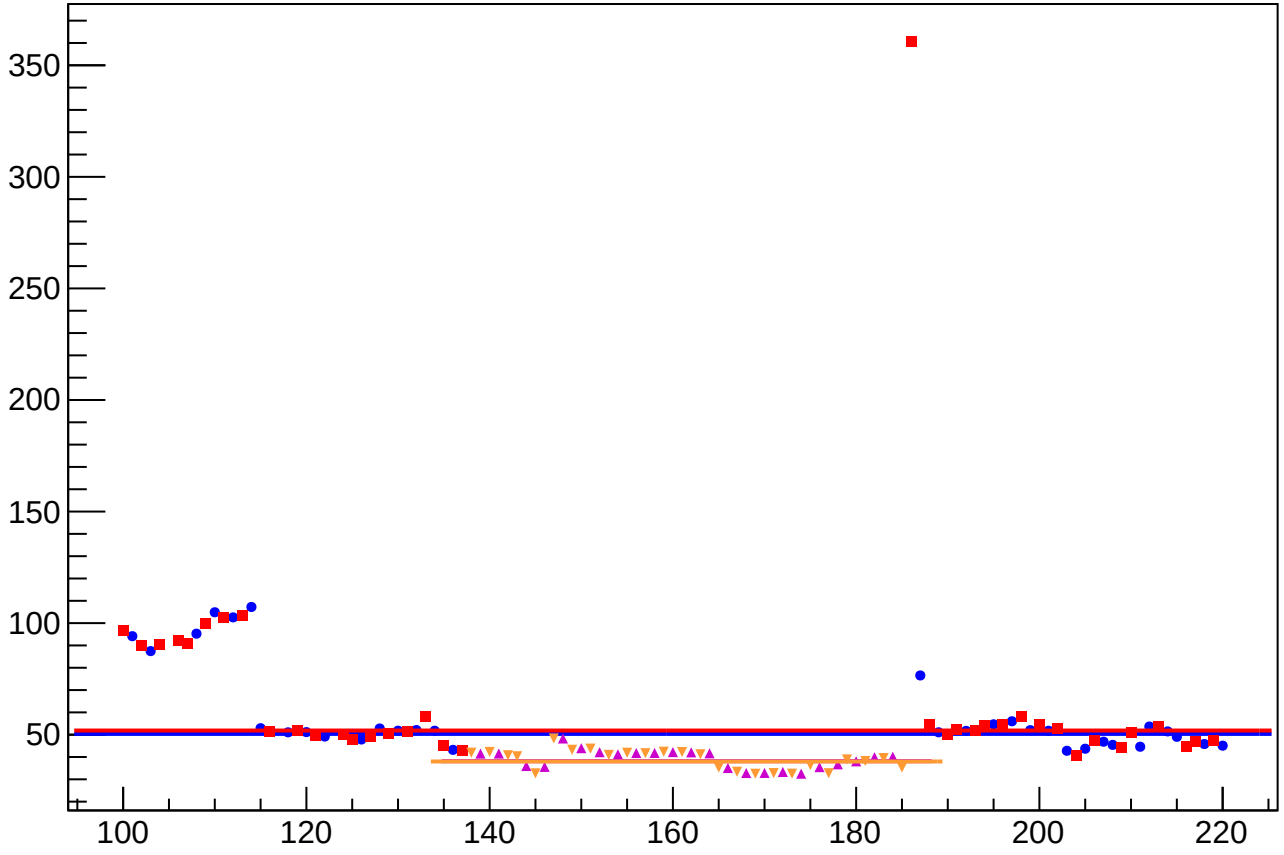
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 4.276+/-6.873 χ^2/NDF: 111.8/57

All: 3.656+/-4.932 χ^2/NDF: 187.7/117

- sign 2.999+/-7.082 χ^2/NDF: 75.9/59

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 50.357+/-0.008 χ^2/NDF: 1530551.7/32

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

Right Out: 51.867+/-0.008 χ^2/NDF: 2311258.8/36

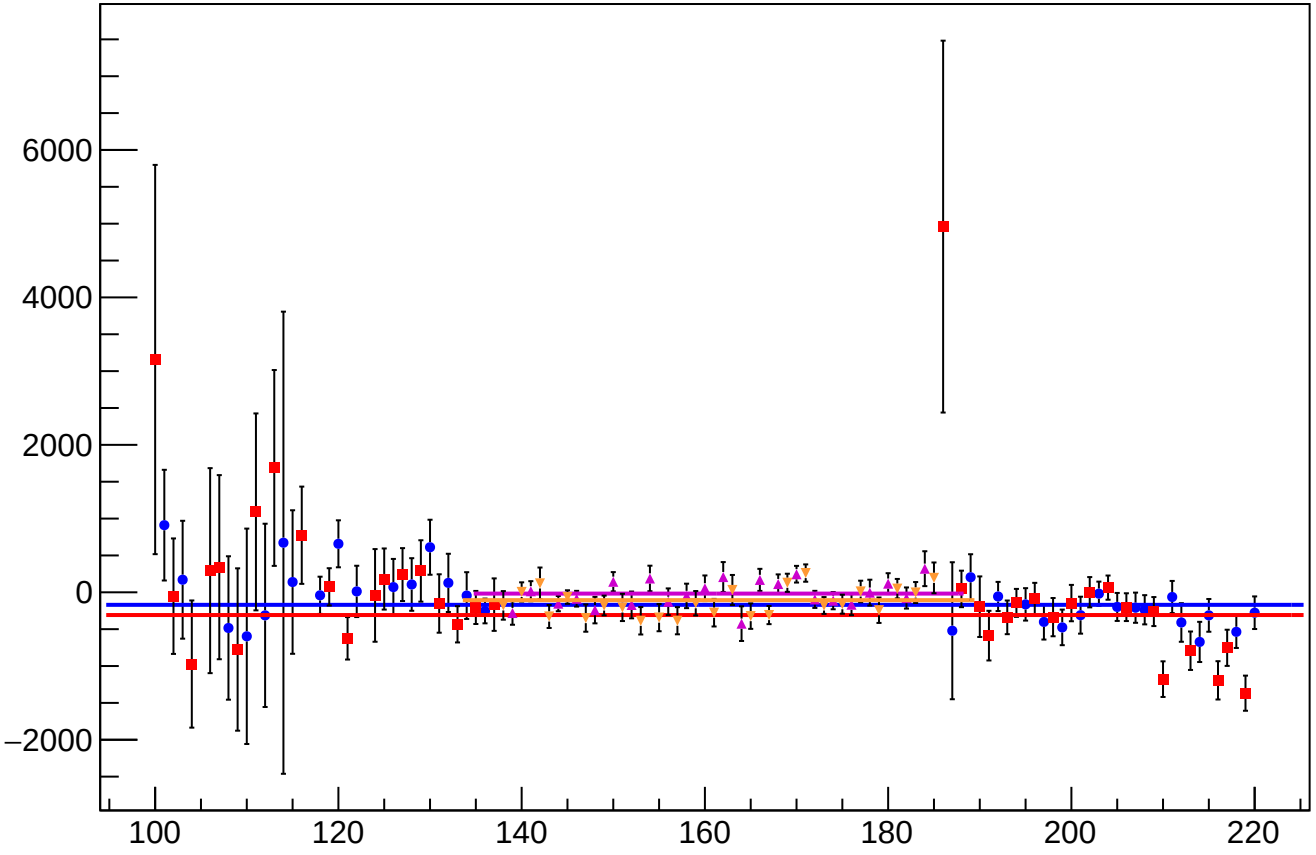
Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

\+ sign 42.636+/-0.005 χ^2/NDF: 3563120.2/57

All: 42.966+/-0.003 χ^2/NDF: 8079705.3/117

\- sign 43.315+/-0.005 χ^2/NDF: 4507114.4/59

asym_sam_37_26_dd_cor_correction_mean vs Slug



Right In: -169.984+/-47.263 χ^2/NDF: 30.0/32

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -308.255+/-47.945 χ^2/NDF: 87.6/36

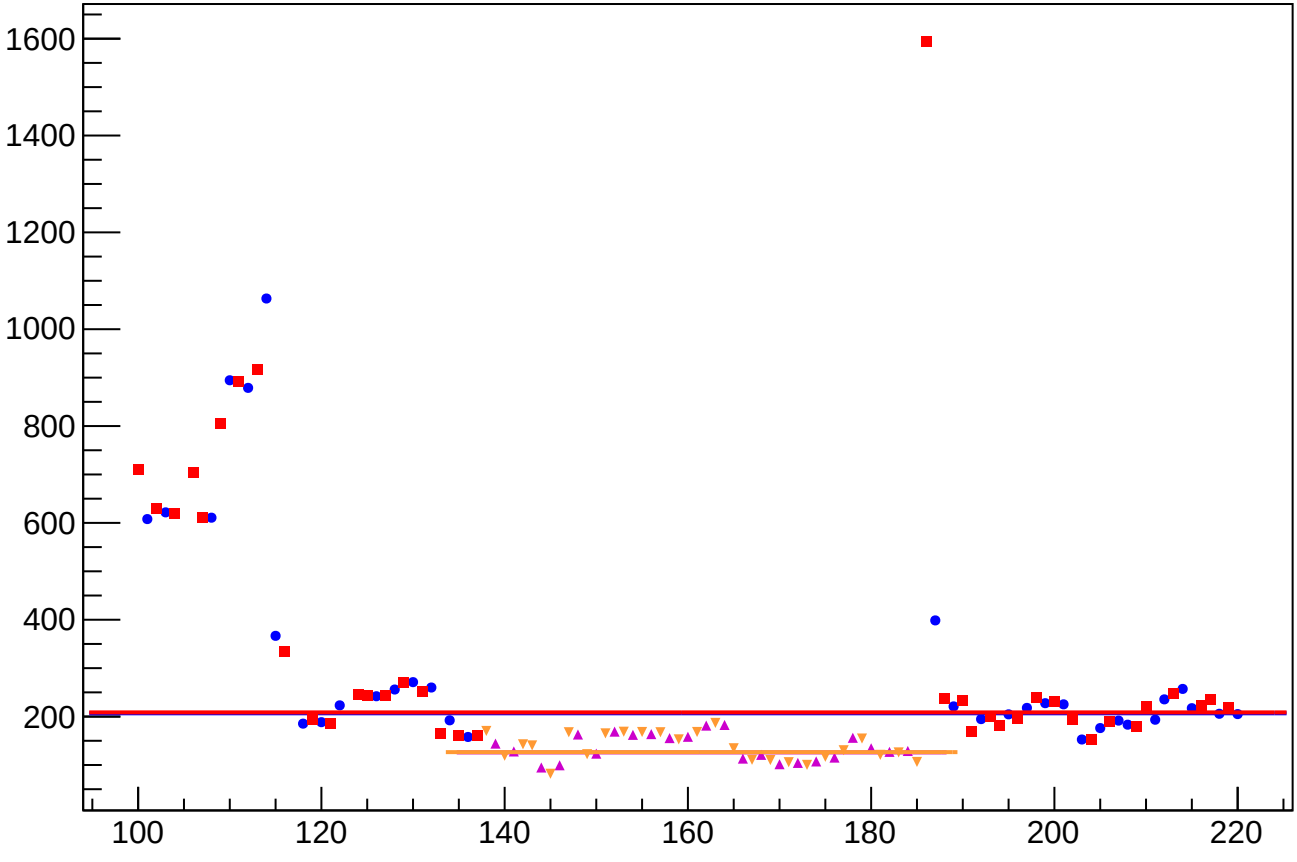
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -124.357+/-25.064 χ^2/NDF: 68.9/57

All: -112.431+/-17.890 χ^2/NDF: 211.6/117

- sign -100.044+/-25.544 χ^2/NDF: 142.2/59

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 206.741+/-0.033 χ^2/NDF: 3578061.2/32

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 208.652+/-0.034 χ^2/NDF: 4790545.4/36

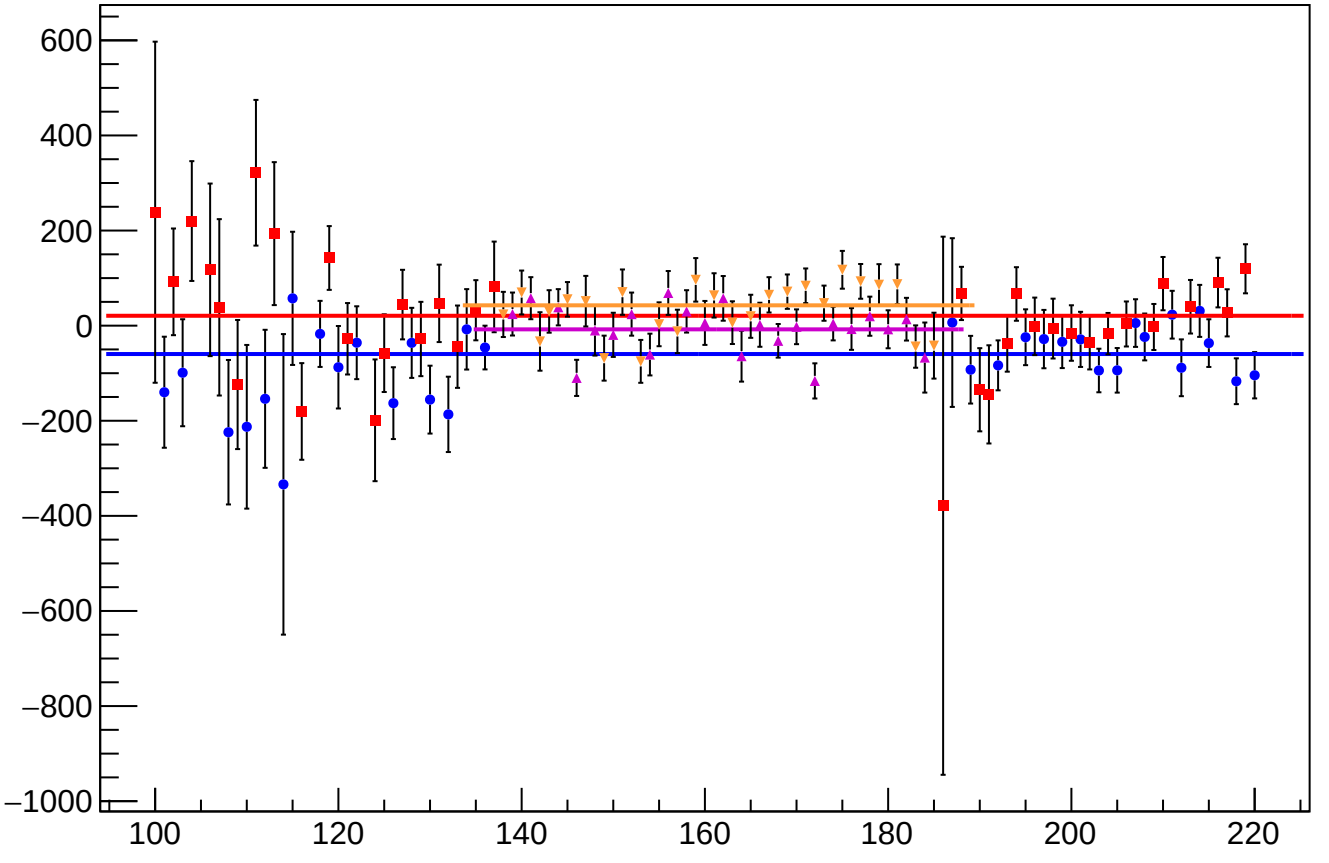
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 149.110+/-0.018 χ^2/NDF: 9473465.9/57

All: 149.287+/-0.013 χ^2/NDF: 19929874.7/11

- sign 149.471+/-0.018 χ^2/NDF: 10456205.2/59

eigen_cor_asym_sam_37_26_dd_mean vs Slug



Right In: -59.681+/-11.212 χ^2/NDF: 25.0/32

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 20.793+/-11.528 χ^2/NDF: 41.4/36

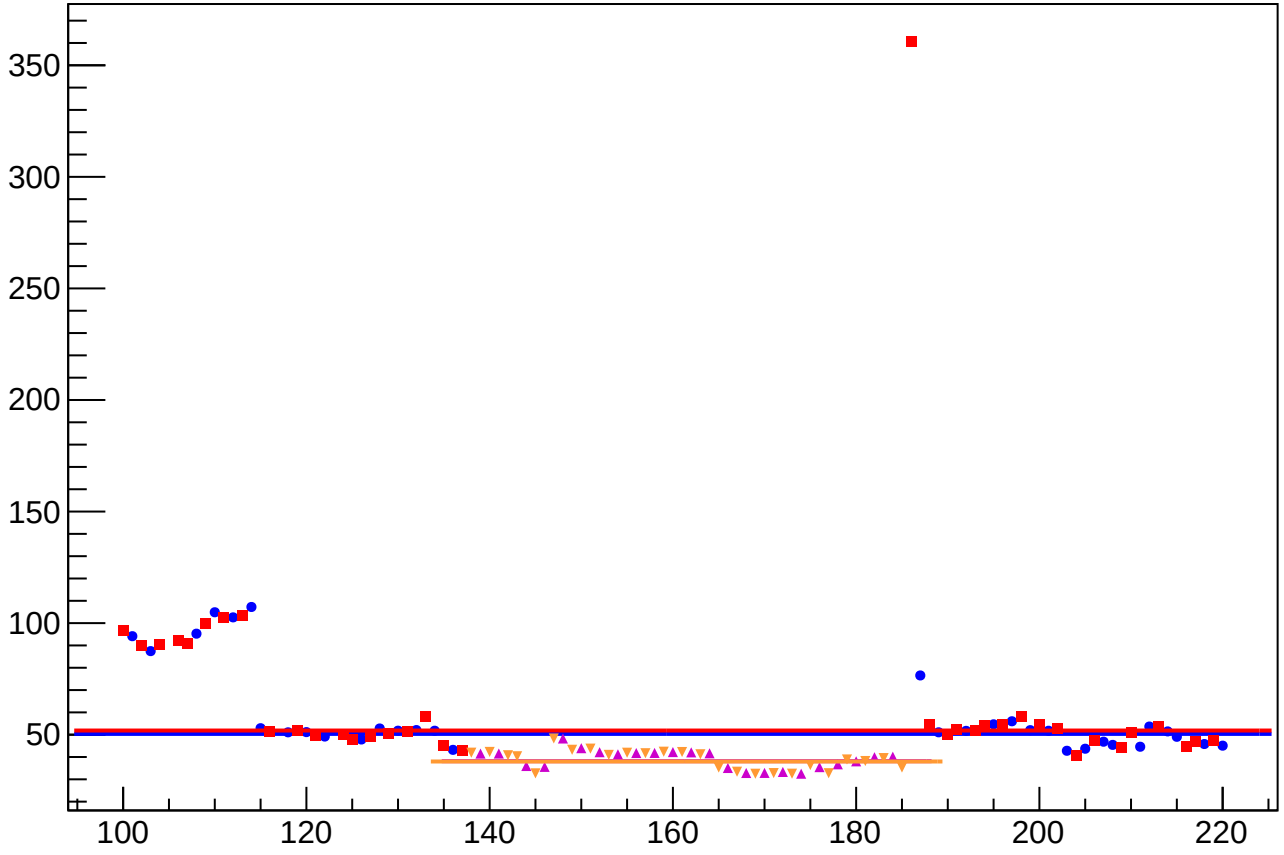
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 4.276+/-6.873 χ^2/NDF: 111.8/57

All: 3.656+/-4.932 χ^2/NDF: 187.7/117

- sign 2.999+/-7.082 χ^2/NDF: 75.9/59

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 50.357+/-0.008 χ^2/NDF: 1530551.7/32

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

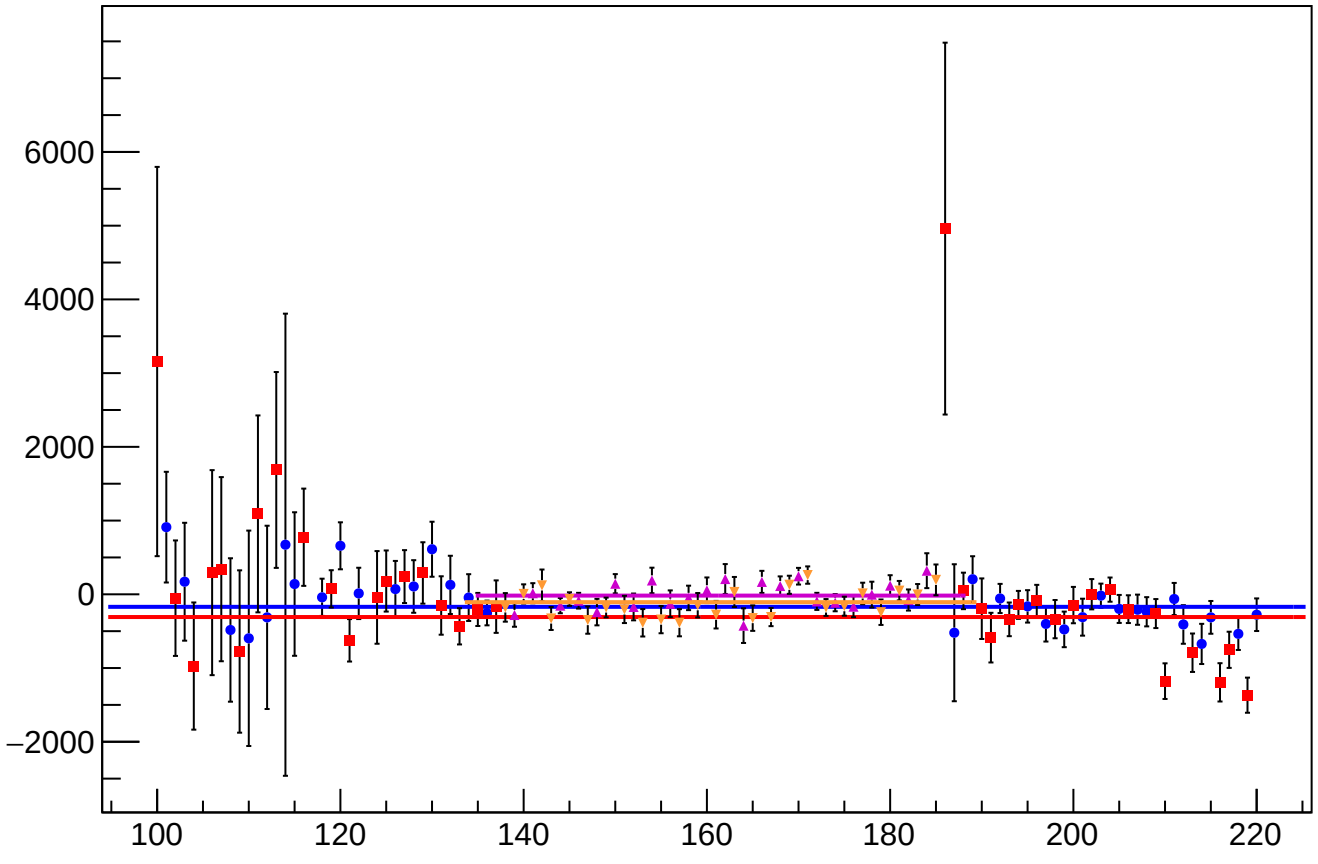
Right Out: 51.867+/-0.008 χ^2/NDF: 2311258.8/36

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 42.636+/-0.005 χ^2/NDF: 3563120.2/57

All: 42.966+/-0.003 χ^2/NDF: 8079705.3/117

- sign 43.315+/-0.005 χ^2/NDF: 4507114.4/59



Right In: -169.984+/-47.263 χ^2/NDF: 30.0/32

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -308.255+/-47.945 χ^2/NDF: 87.6/36

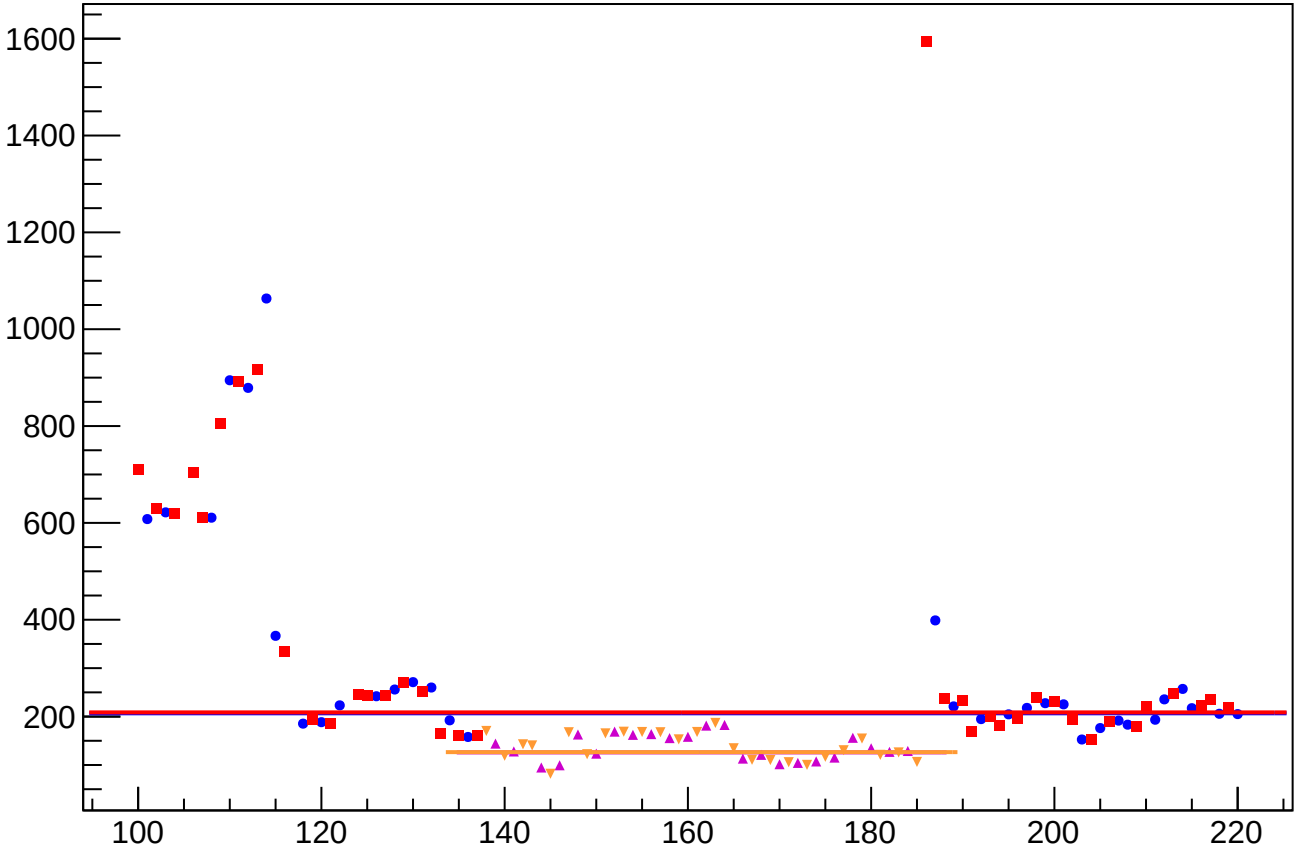
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -124.357+/-25.064 χ^2/NDF: 68.9/57

All: -112.431+/-17.890 χ^2/NDF: 211.6/117

- sign -100.044+/-25.544 χ^2/NDF: 142.2/59

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug



Right In: 206.741+/-0.033 χ^2/NDF: 3578061.2/32

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 208.652+/-0.034 χ^2/NDF: 4790545.4/36

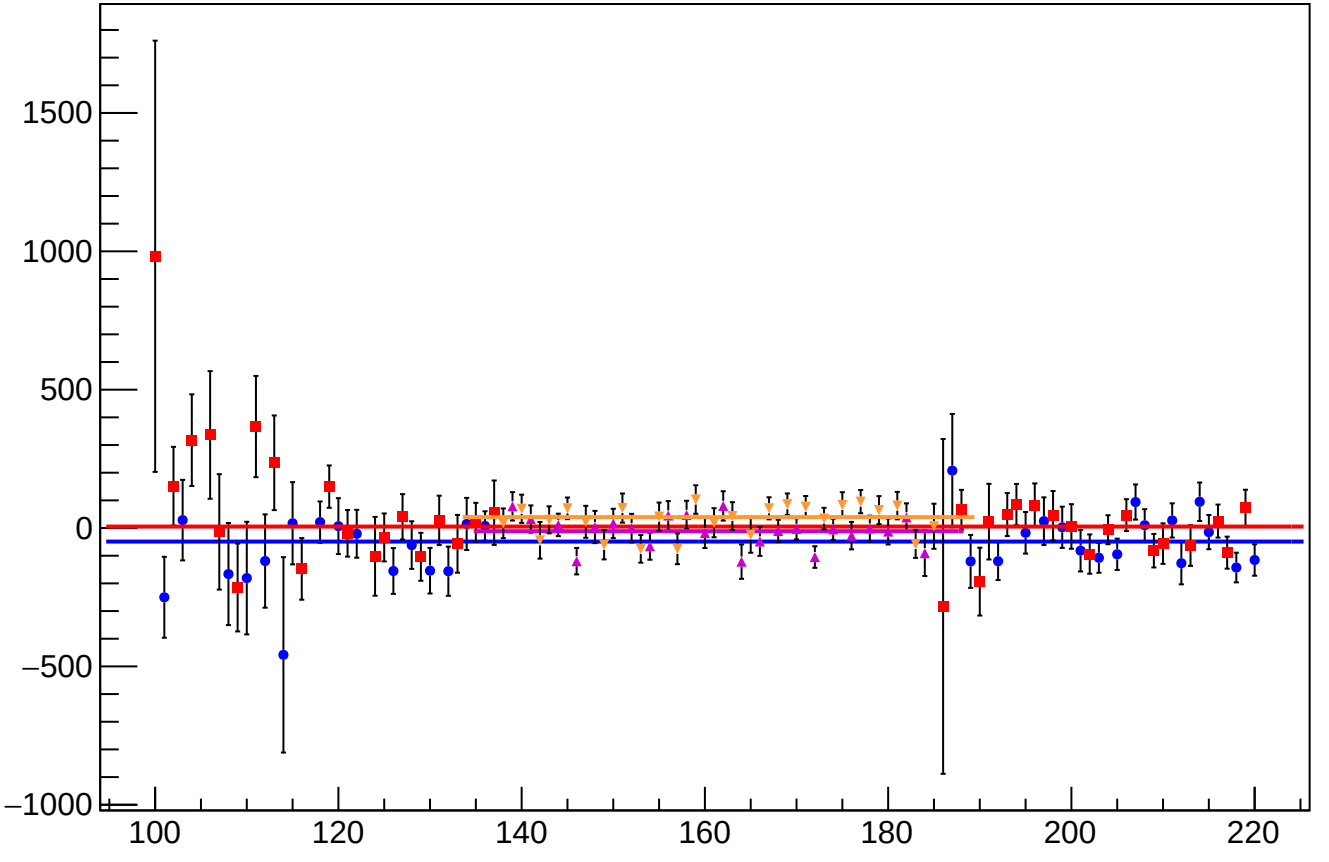
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 149.110+/-0.018 χ^2/NDF: 9473465.9/57

All: 149.287+/-0.013 χ^2/NDF: 19929874.7/11

- sign 149.471+/-0.018 χ^2/NDF: 10456205.2/59

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -48.884+/-13.552 χ^2/NDF: 36.7/32

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 5.369+/-14.138 χ^2/NDF: 40.8/36

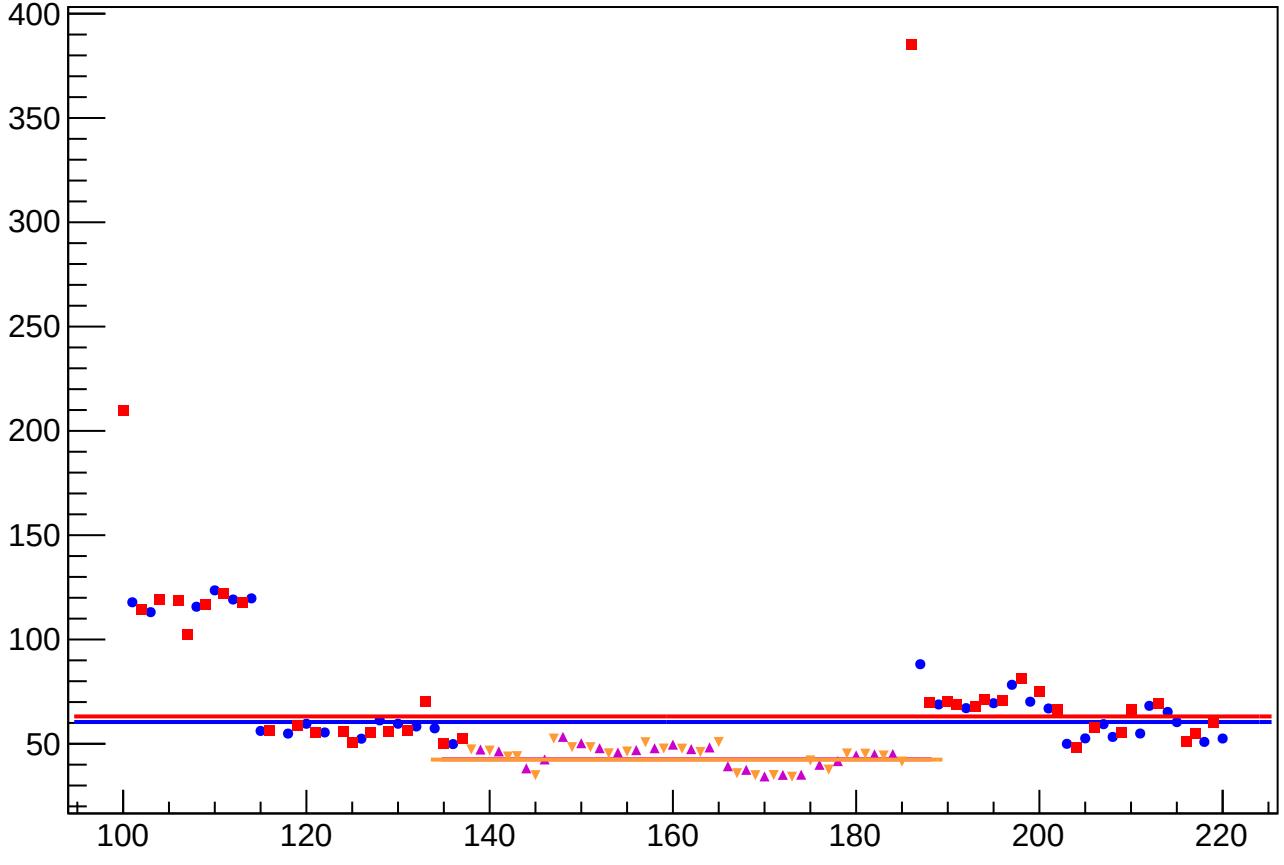
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 9.416+/-7.912 χ^2/NDF: 94.4/57

All: 2.139+/-5.696 χ^2/NDF: 165.7/117

- sign -5.688+/-8.206 χ^2/NDF: 69.6/59

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 60.439+/-0.010 χ^2/NDF: 1889809.7/32

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 63.115+/-0.010 χ^2/NDF: 2726101.8/36

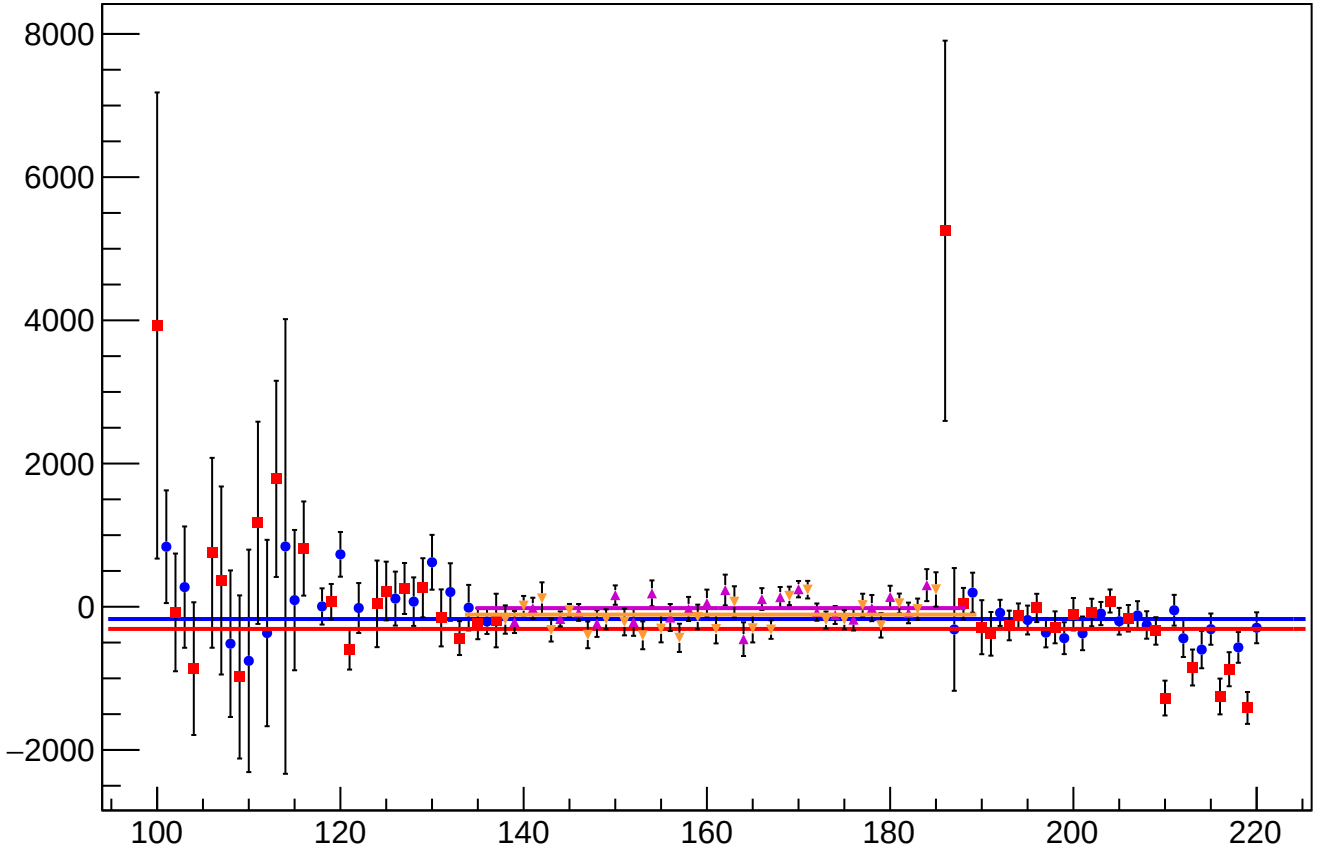
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 48.566+/-0.006 χ^2/NDF: 4917709.8/57

All: 49.015+/-0.004 χ^2/NDF: 11045420.4/11

- sign 49.497+/-0.006 χ^2/NDF: 6114353.6/59

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -171.379+/-45.786 χ^2/NDF: 31.7/32

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -309.666+/-45.608 χ^2/NDF: 104.1/36

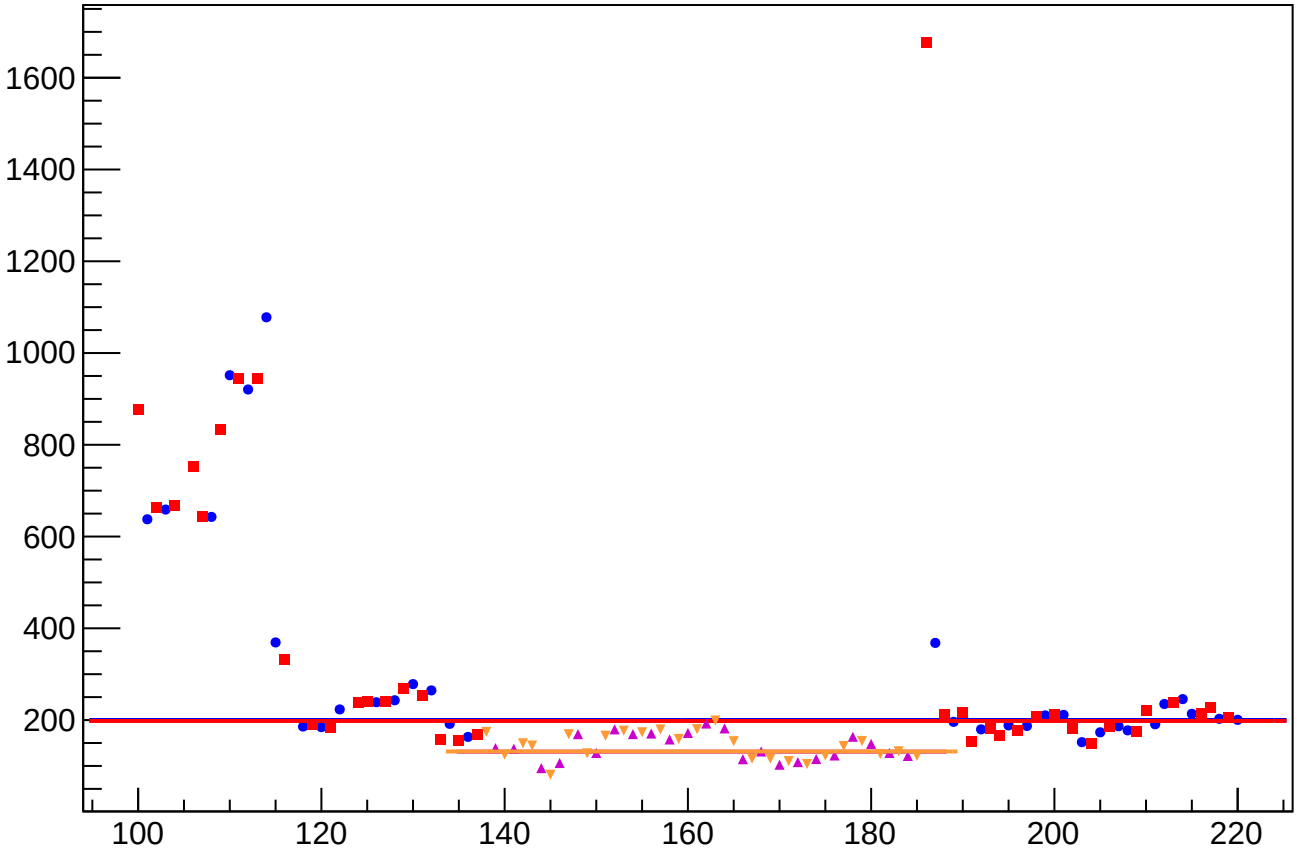
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -128.997+/-25.532 χ^2/NDF: 69.2/57

All: -120.952+/-18.185 χ^2/NDF: 228.3/117

- sign -112.670+/-25.906 χ^2/NDF: 158.8/59

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 200.107+/-0.032 χ^2/NDF: 3662158.0/32

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 198.048+/-0.032 χ^2/NDF: 5114840.3/36

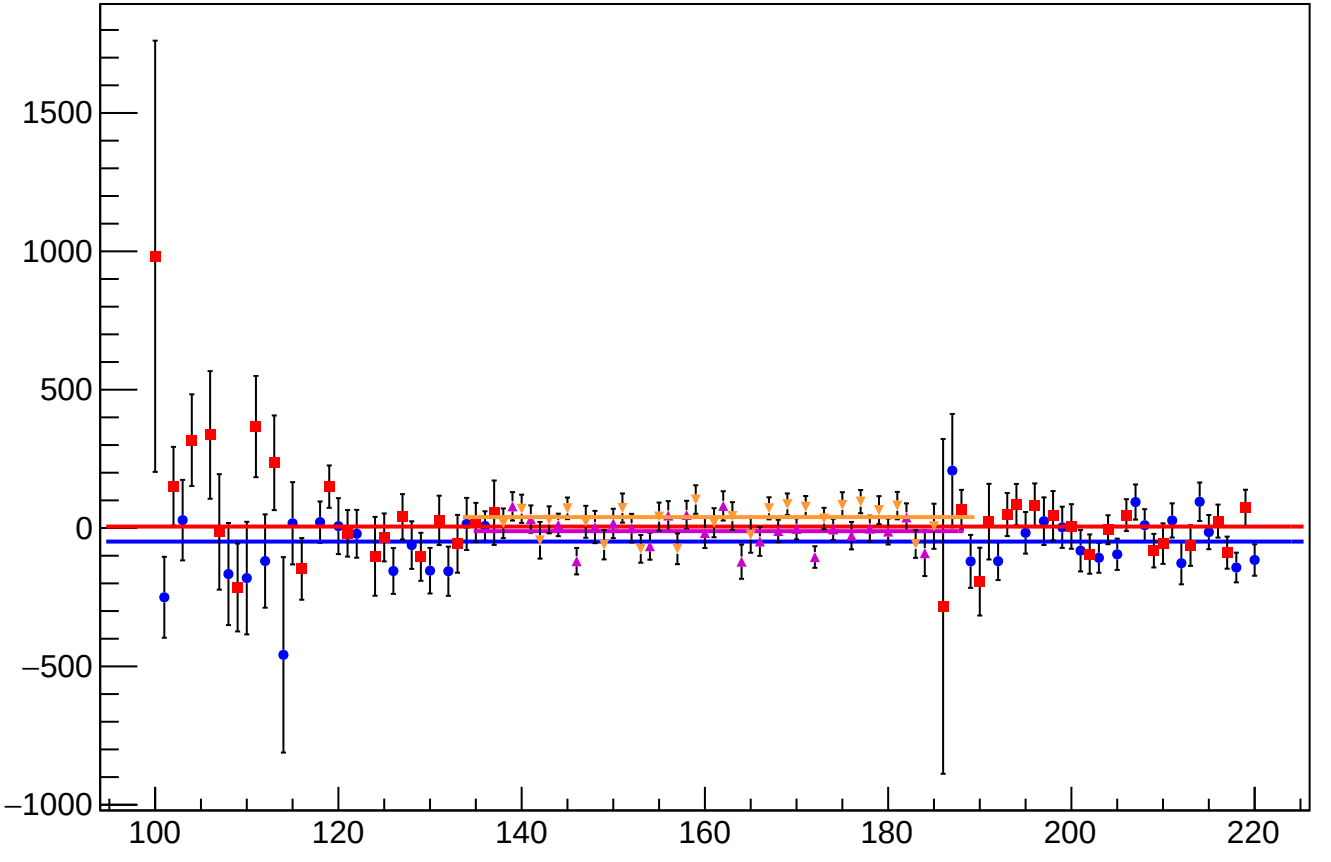
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 152.845+/-0.018 χ^2/NDF: 8657932.2/57

All: 152.765+/-0.013 χ^2/NDF: 18162015.3/11

- sign 152.682+/-0.018 χ^2/NDF: 9504043.3/59

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -48.885+/-13.552 χ^2/NDF: 36.7/32

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 5.370+/-14.138 χ^2/NDF: 40.8/36

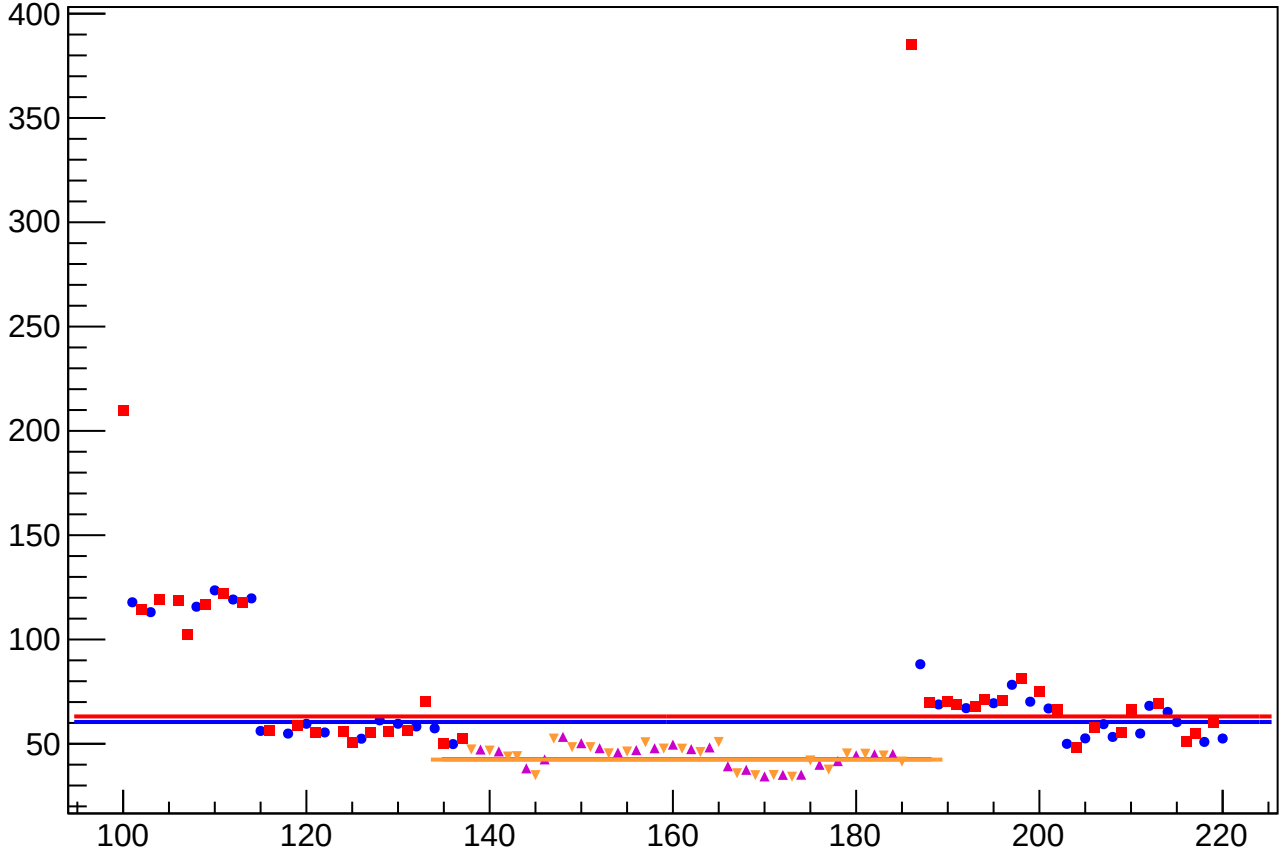
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 9.417+/-7.912 χ^2/NDF: 94.4/57

All: 2.140+/-5.696 χ^2/NDF: 165.7/117

- sign -5.688+/-8.206 χ^2/NDF: 69.6/59

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 60.439+/-0.010 χ^2/NDF: 1889822.6/32

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

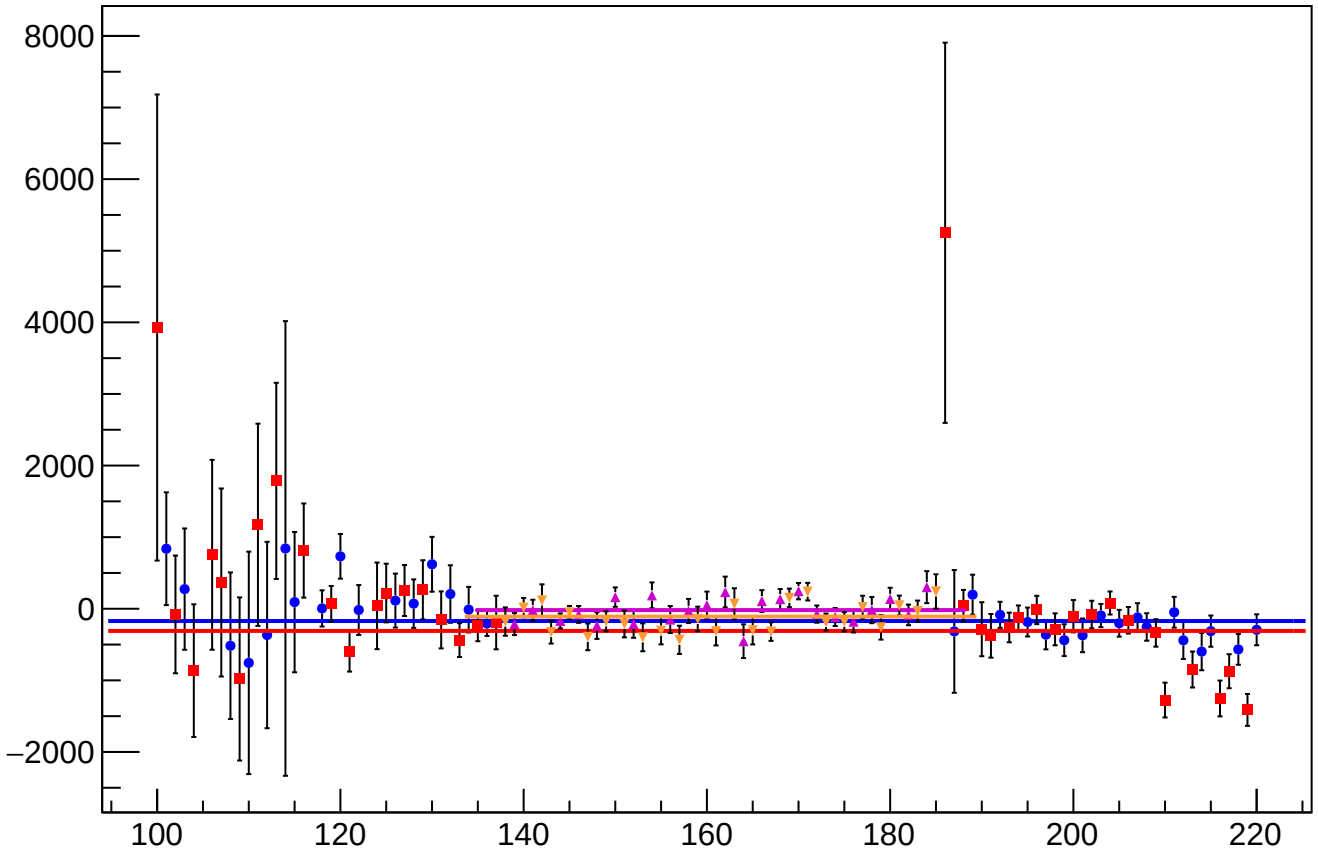
Right Out: 63.116+/-0.010 χ^2/NDF: 2726073.6/36

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 48.566+/-0.006 χ^2/NDF: 4917723.8/57

All: 49.015+/-0.004 χ^2/NDF: 11045437.6/117

- sign 49.498+/-0.006 χ^2/NDF: 6114352.9/59



Right In: -171.380+/-45.786 χ^2/NDF: 31.7/32

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

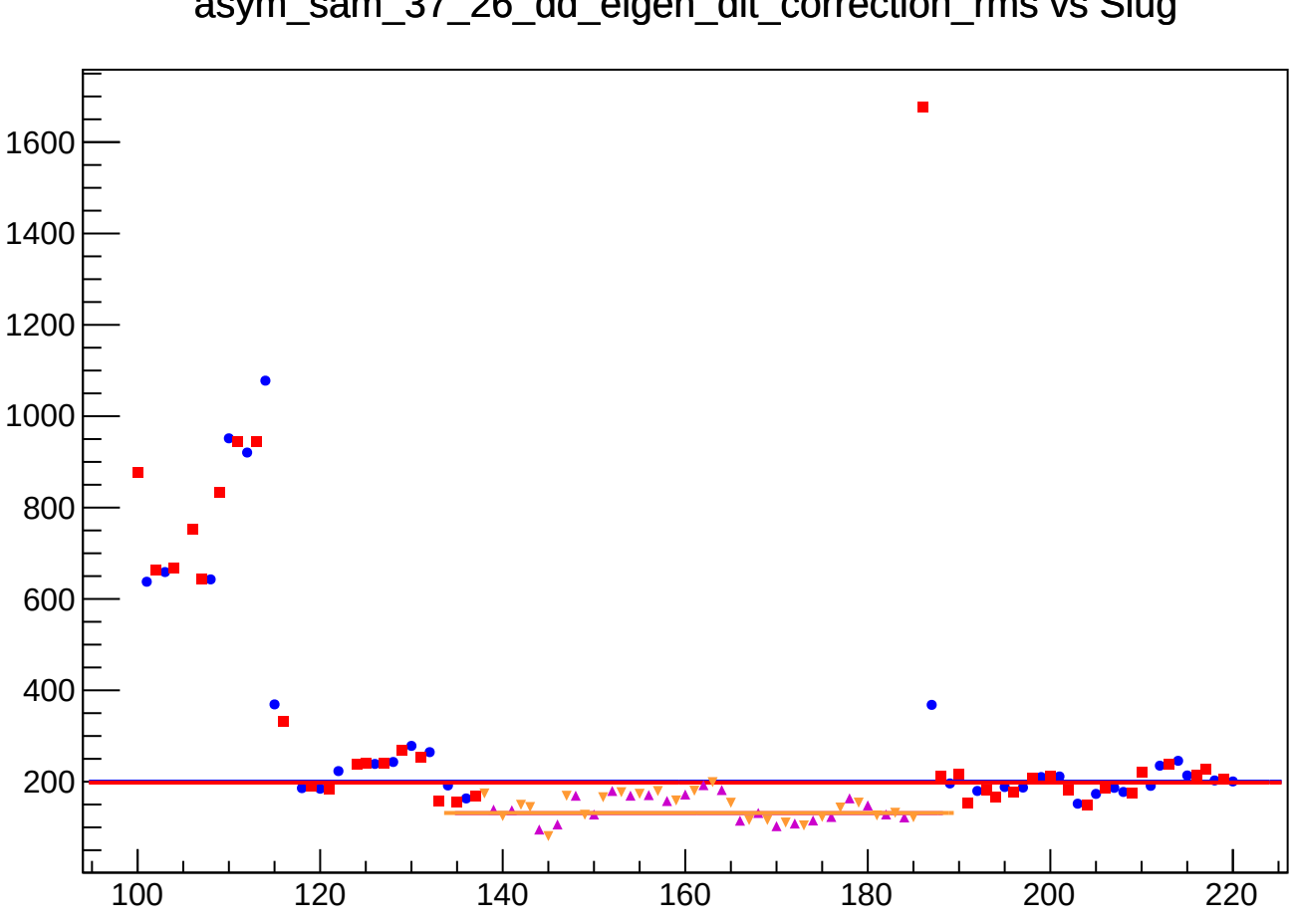
Right Out: -309.663+/-45.608 χ^2/NDF: 104.1/36

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -128.997+/-25.532 χ^2/NDF: 69.2/57

All: -120.952+/-18.185 χ^2/NDF: 228.3/117

- sign -112.670+/-25.906 χ^2/NDF: 158.8/59



Right In: 200.107+/-0.032 χ^2/NDF: 3662158.5/32

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 198.048+/-0.032 χ^2/NDF: 5114850.2/36

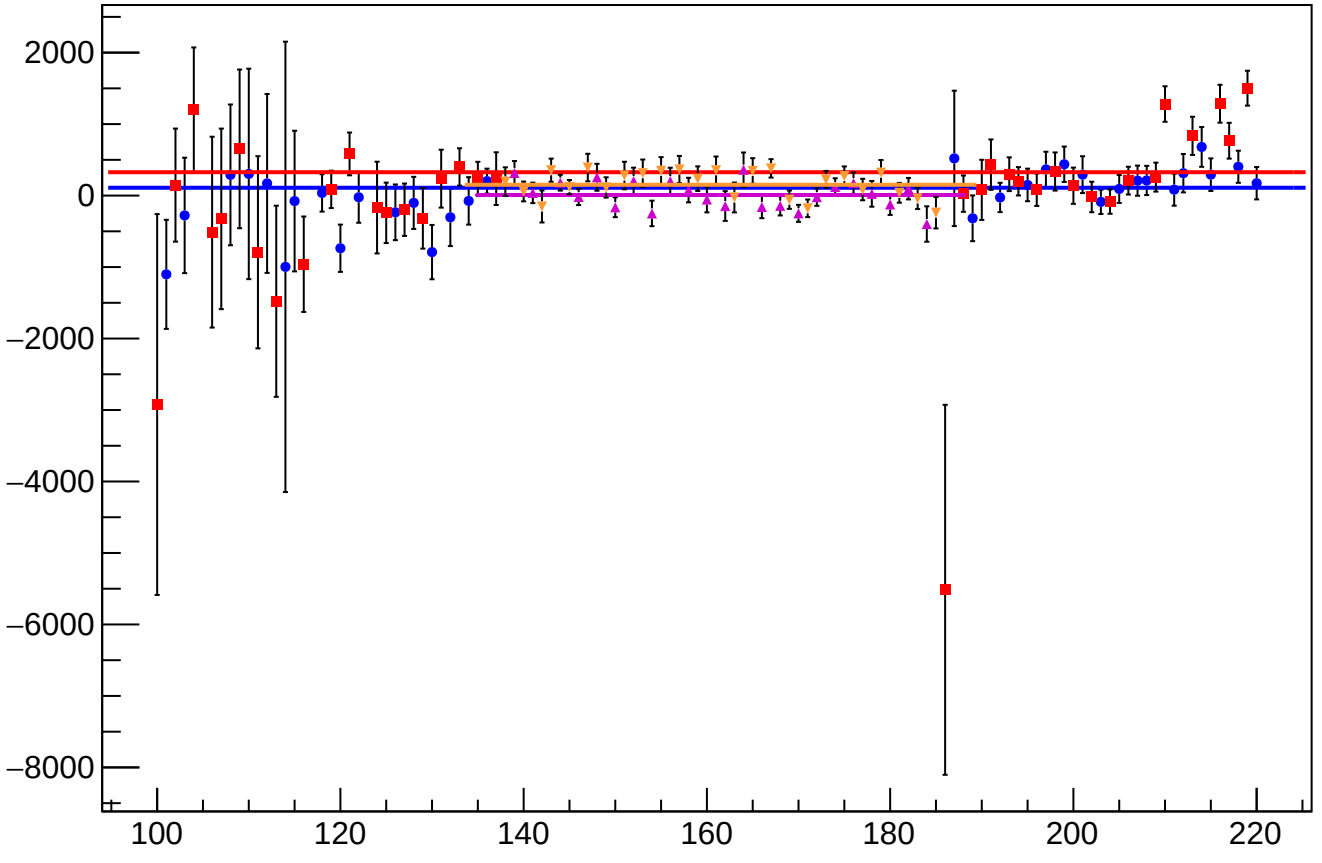
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 152.845+/-0.018 χ^2/NDF: 8657870.4/57

All: 152.765+/-0.013 χ^2/NDF: 18161908.6/11

- sign 152.682+/-0.018 χ^2/NDF: 9503998.3/59

asym_sam_37_26_dd_mean vs Slug



Right In: 109.531+/-48.714 χ^2/NDF: 32.9/32

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 326.903+/-49.503 χ^2/NDF: 94.0/36

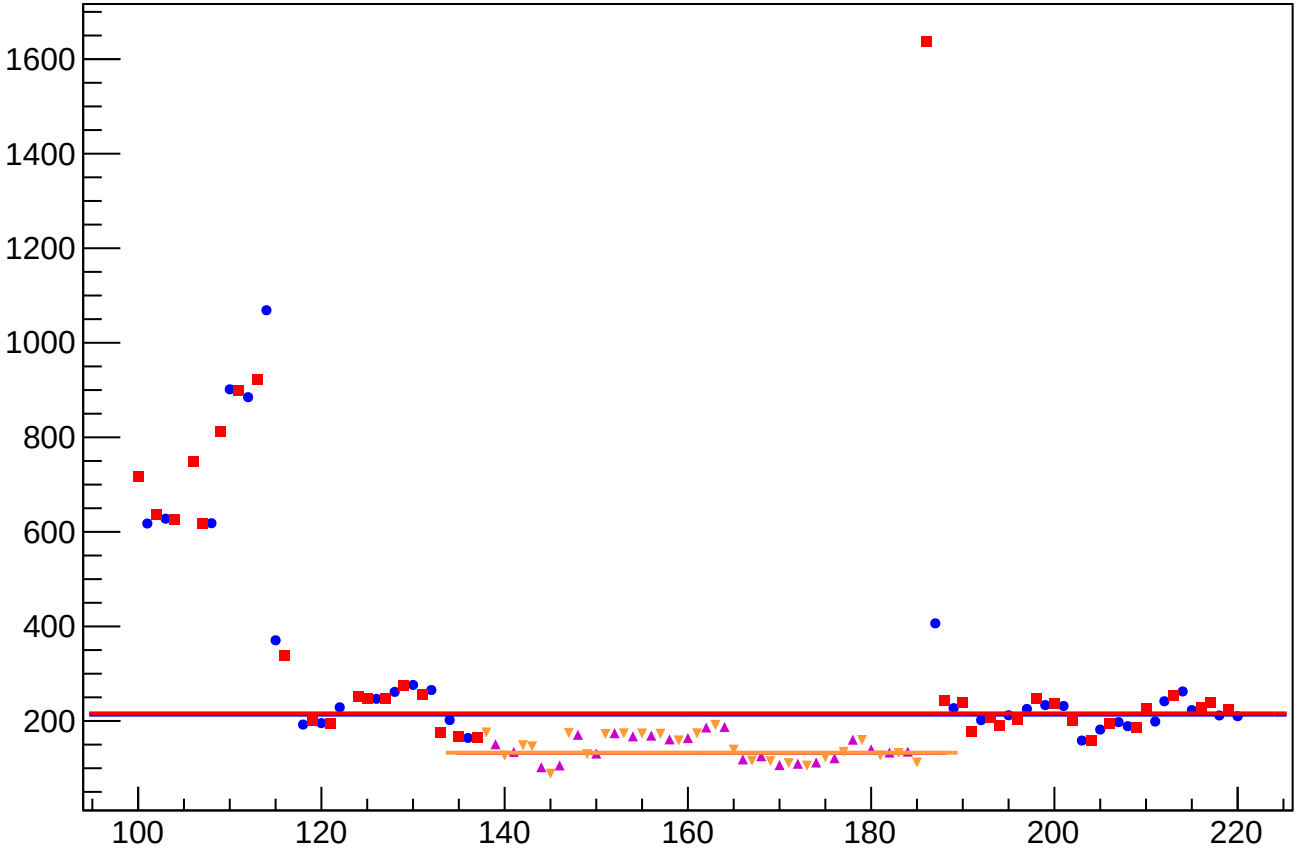
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 139.151+/-26.124 χ^2/NDF: 66.5/57

All: 120.147+/-18.655 χ^2/NDF: 220.6/117

- sign 100.373+/-26.648 χ^2/NDF: 153.0/59

asym_sam_37_26_dd_rms vs Slug



Right In: 213.425+/-0.034 χ^2/NDF: 3479195.1/32

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

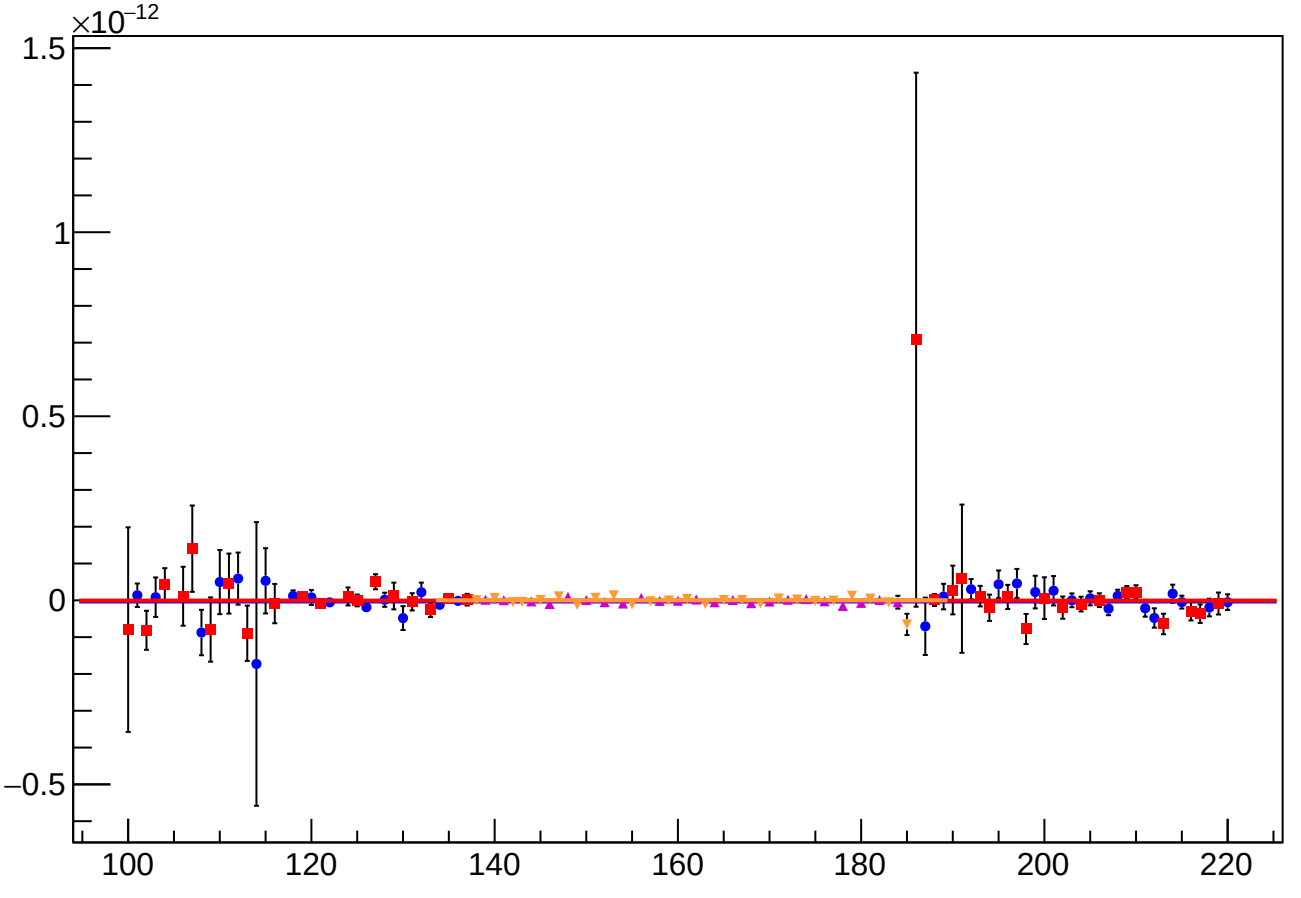
Right Out: 216.012+/-0.035 χ^2/NDF: 4725457.2/36

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 156.041+/-0.018 χ^2/NDF: 8967070.0/57

All: 156.310+/-0.013 χ^2/NDF: 19028623.6/11

- sign 156.589+/-0.019 χ^2/NDF: 10061123.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 24.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

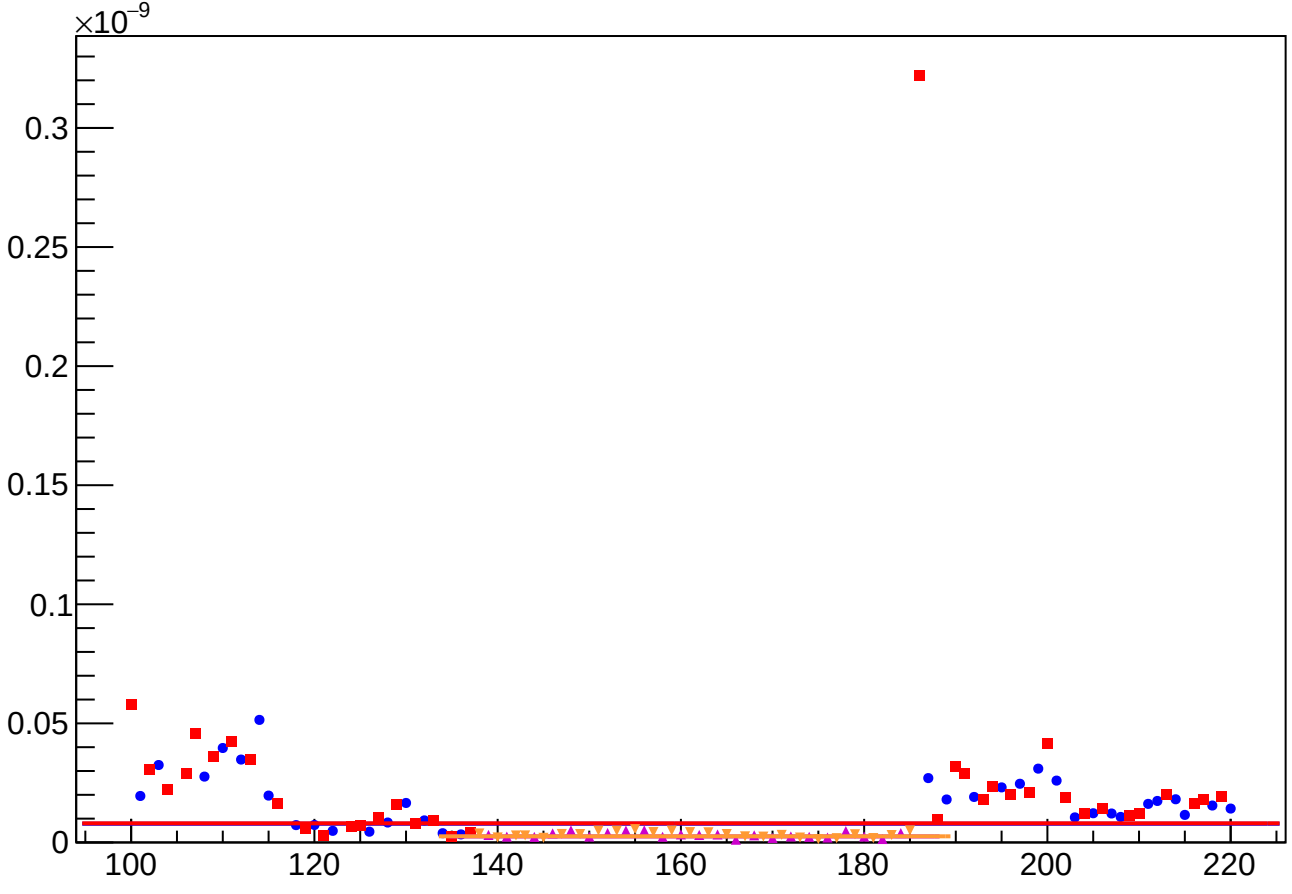
Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/36

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.0/57

All: -0.000+/-0.000 χ^2/NDF: 109.9/117

- sign -0.000+/-0.000 χ^2/NDF: 51.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 7644482.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8783939.0/36

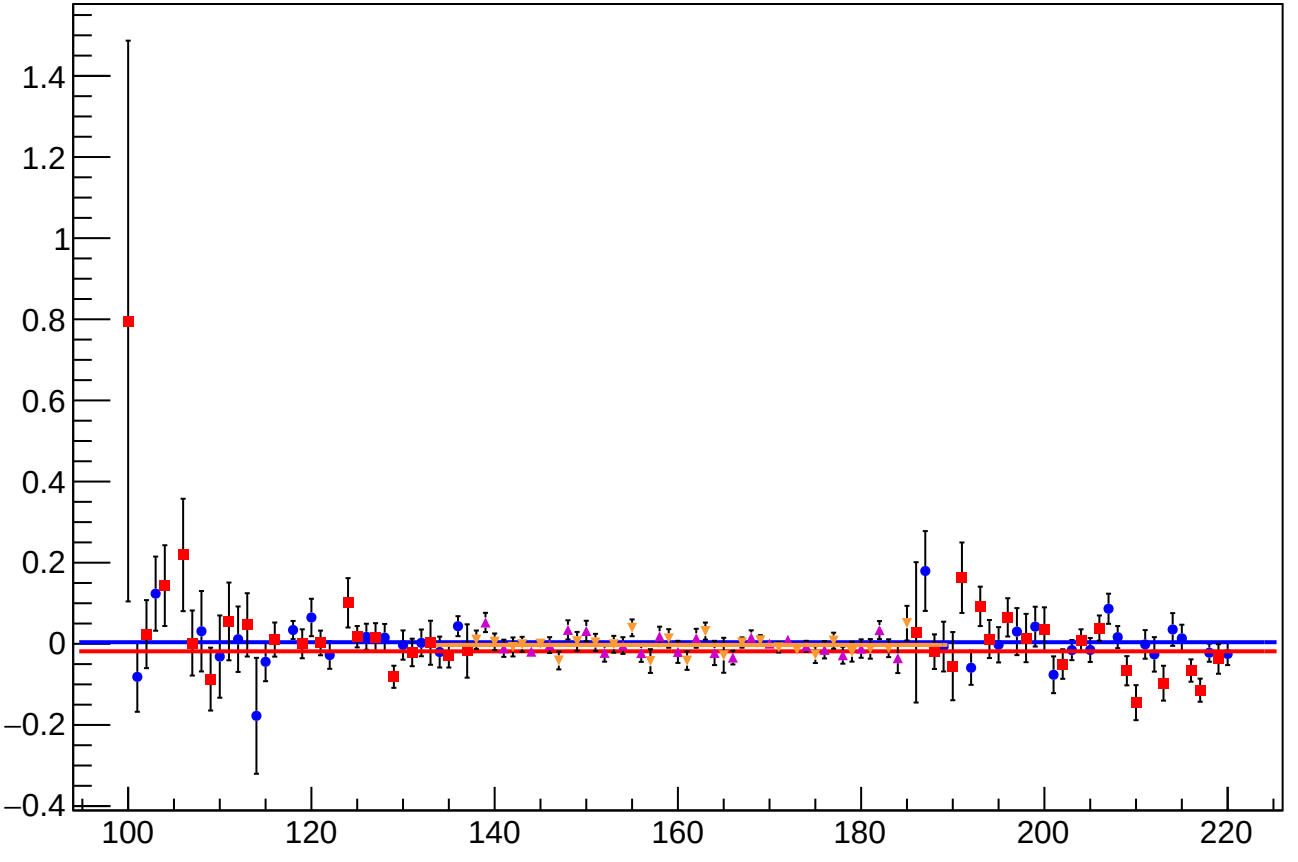
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 15016040.6/57

All: 0.000+/-0.000 χ^2/NDF: 30307805.3/117

- sign 0.000+/-0.000 χ^2/NDF: 15287575.9/59

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.006 χ^2/NDF: 32.5/32

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: -0.018+/-0.007 χ^2/NDF: 71.1/36

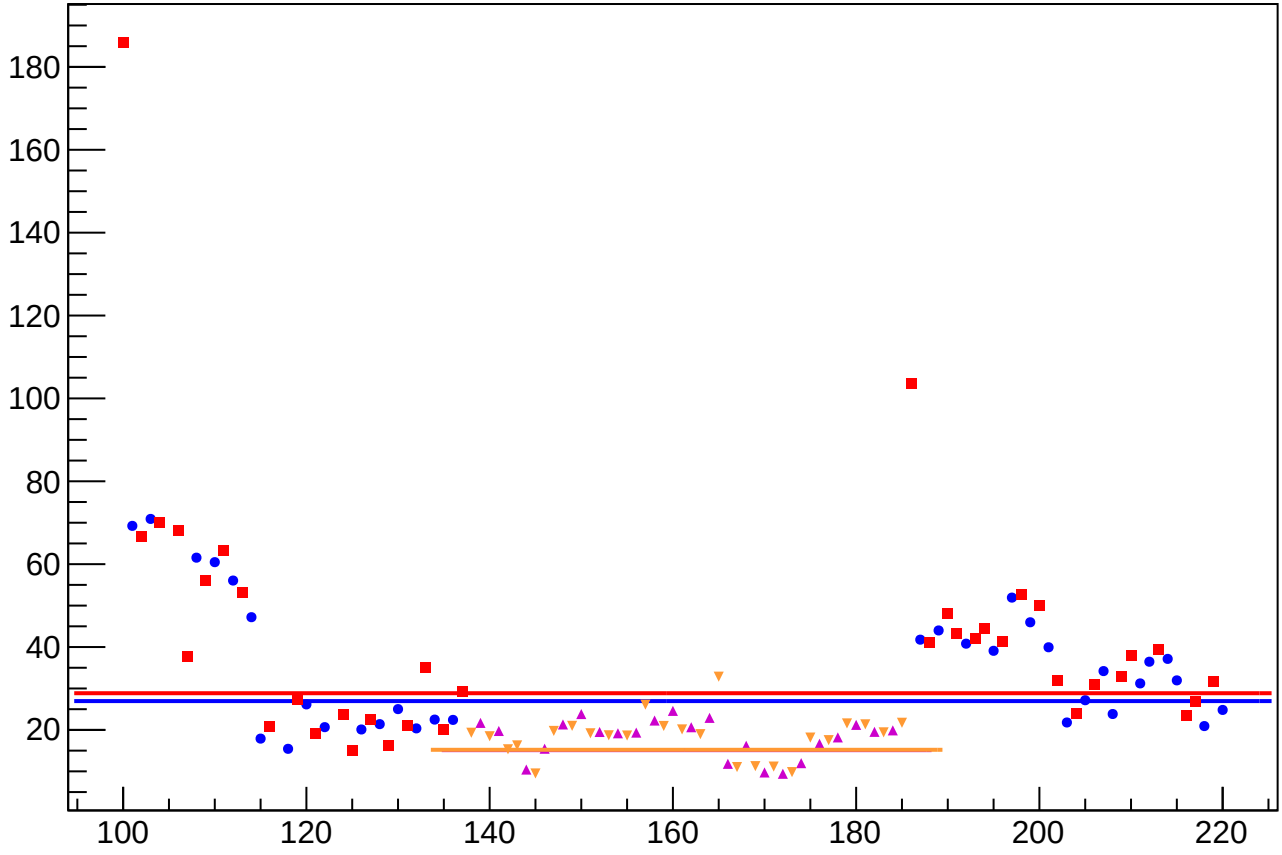
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 56.0/57

All: -0.004+/-0.002 χ^2/NDF: 159.4/117

- sign -0.006+/-0.003 χ^2/NDF: 102.2/59

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.956+/-0.005 χ^2/NDF: 4761585.7/32

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

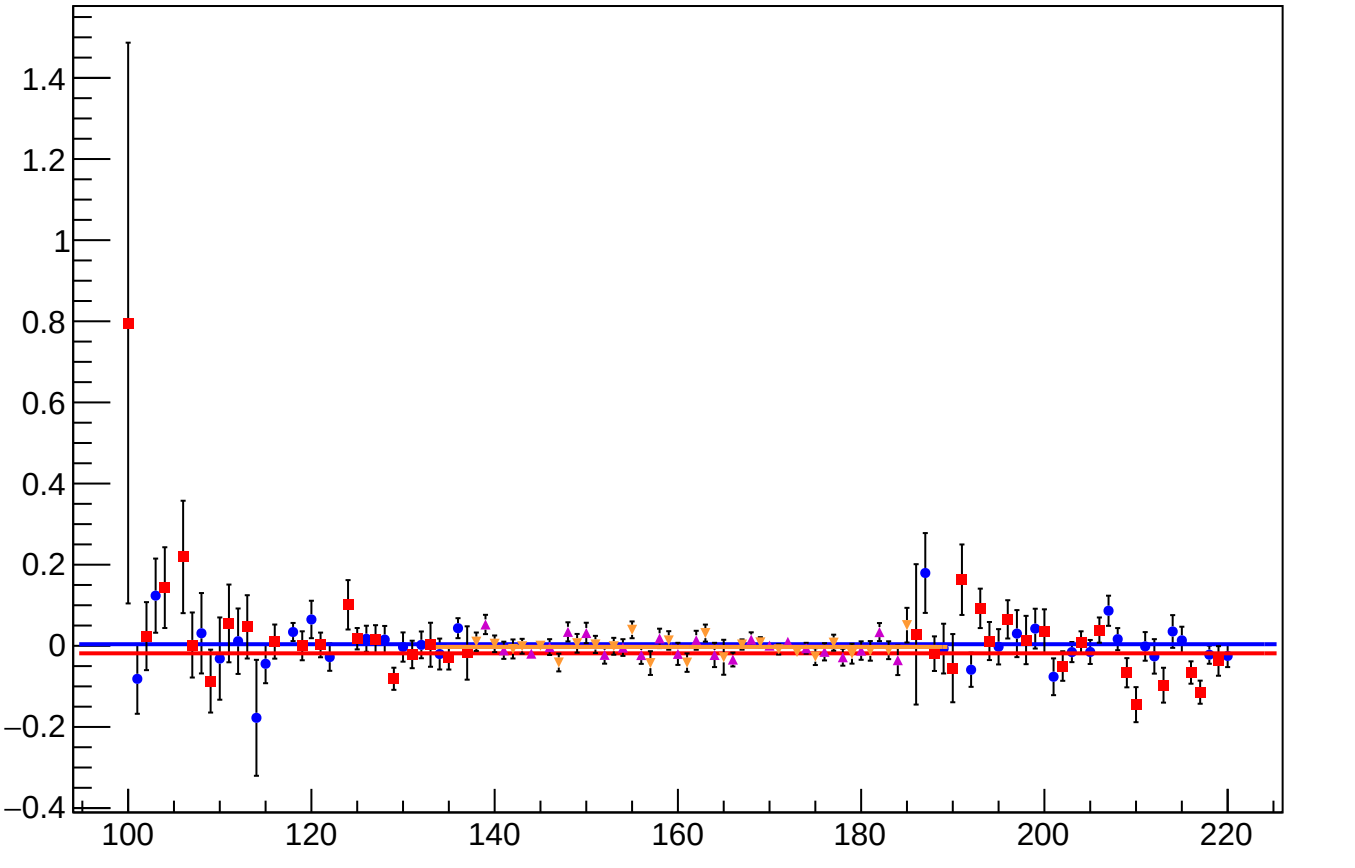
Right Out: 28.857+/-0.005 χ^2/NDF: 5655772.2/36

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 18.114+/-0.002 χ^2/NDF: 13191524.7/57

All: 18.227+/-0.002 χ^2/NDF: 28325187.2/117

- sign 18.349+/-0.002 χ^2/NDF: 15128547.7/59



Right In: 0.004+/-0.006 χ^2/NDF: 32.5/32

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

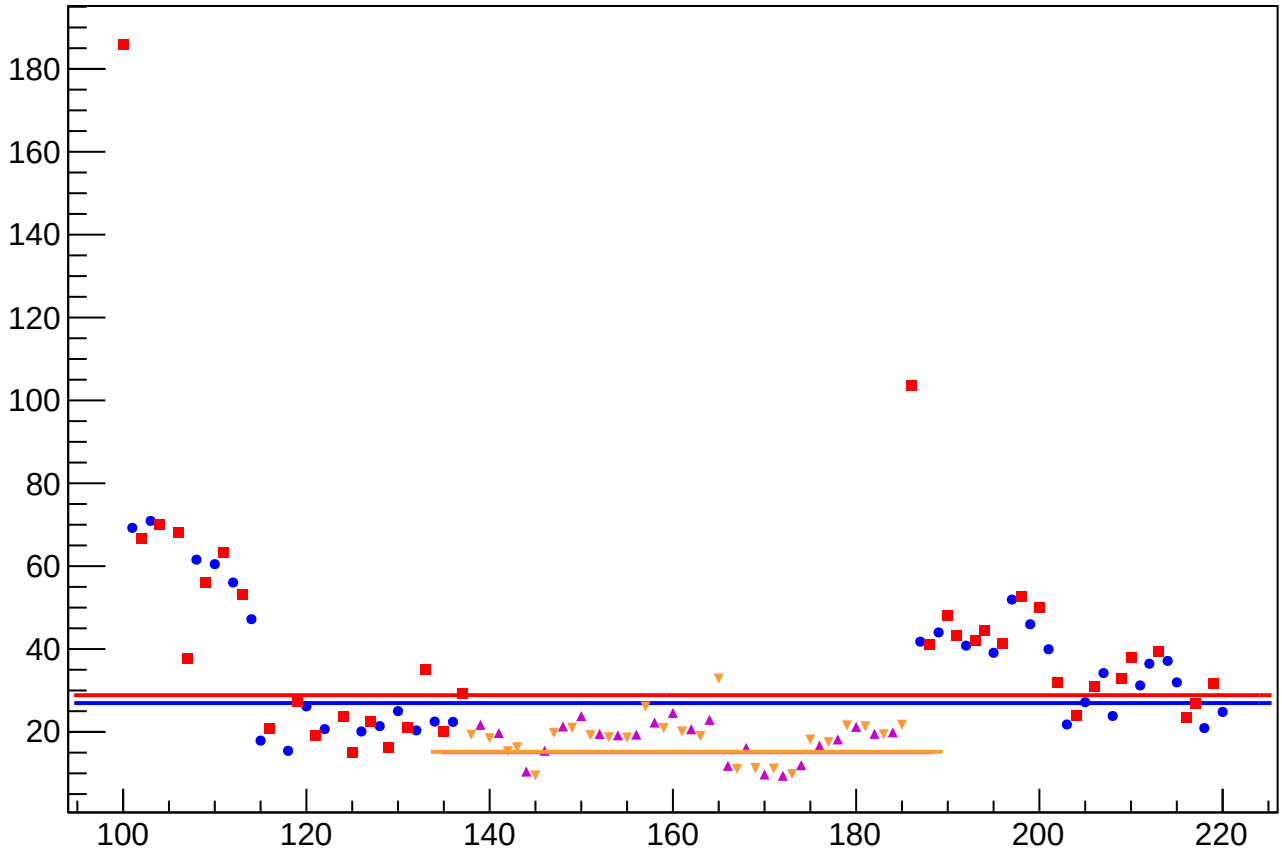
Right Out: -0.018+/-0.007 χ^2/NDF: 71.1/36

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 56.0/57

All: -0.004+/-0.002 χ^2/NDF: 159.4/117

- sign -0.006+/-0.003 χ^2/NDF: 102.2/59



Right In: 26.956+/-0.005 χ^2/NDF: 4761585.7/32

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

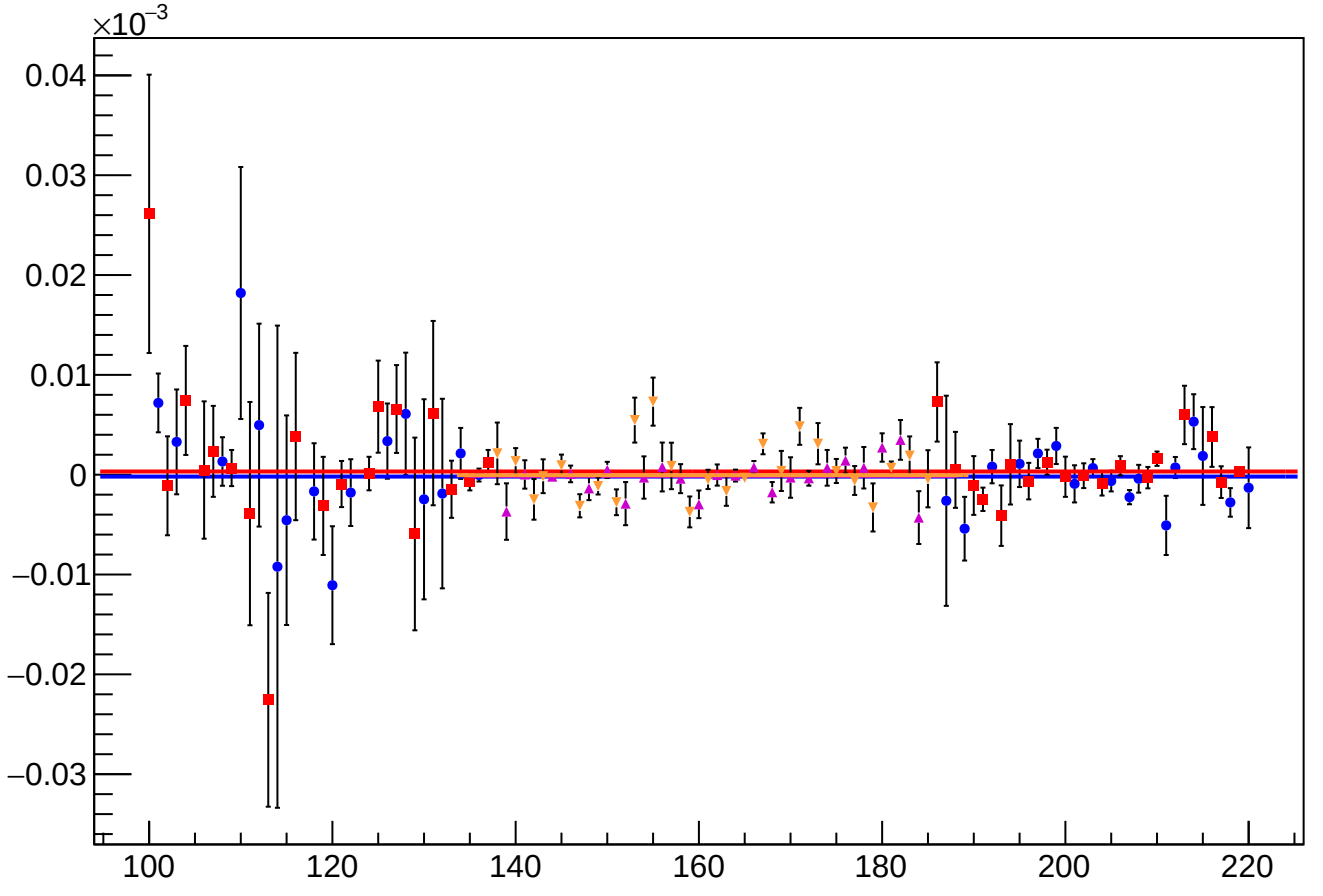
Right Out: 28.857+/-0.005 χ^2/NDF: 5655772.2/36

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 18.114+/-0.002 χ^2/NDF: 13191524.7/57

All: 18.227+/-0.002 χ^2/NDF: 28325187.2/117

- sign 18.349+/-0.002 χ^2/NDF: 15128547.7/59



Right In: -0.000+/-0.000 χ^2/NDF: 45.8/32

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

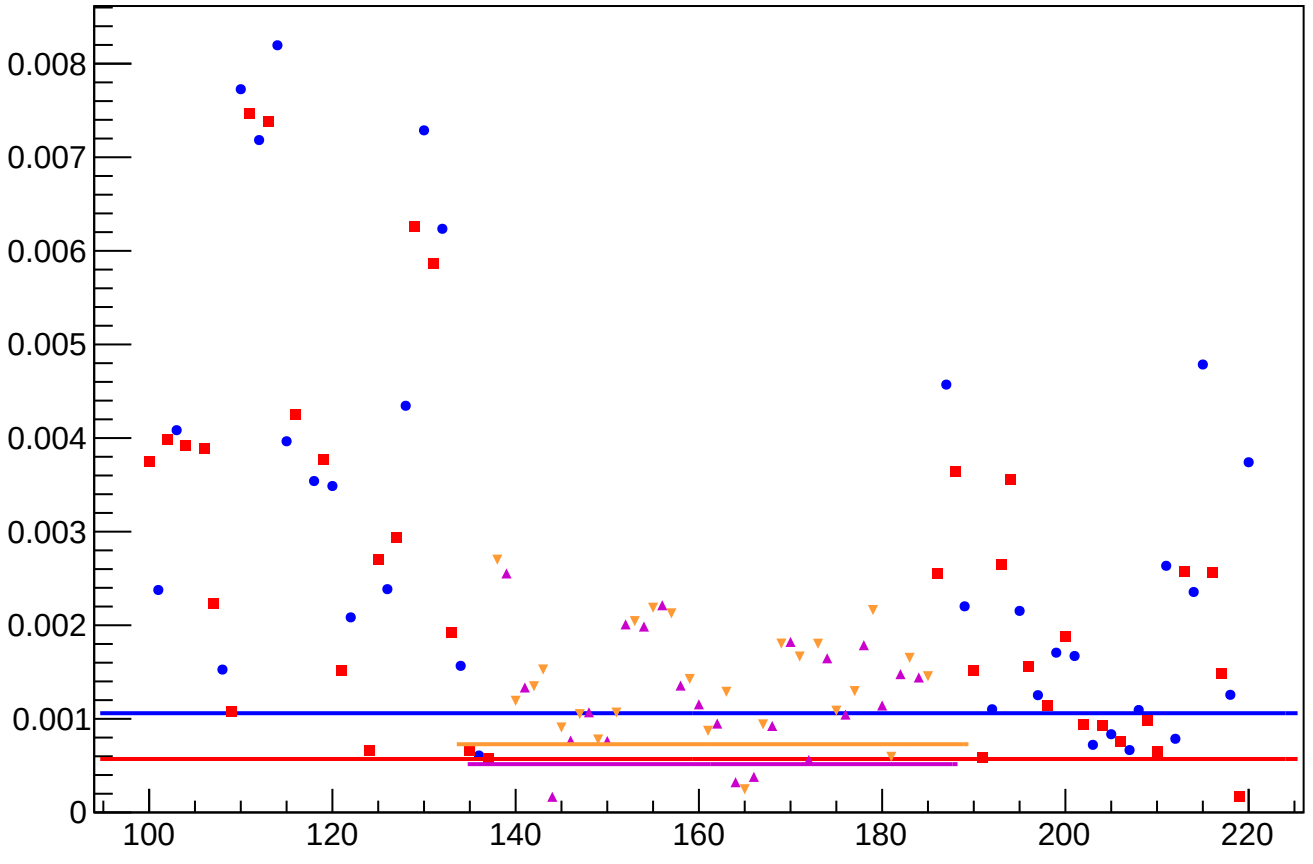
Right Out: 0.000+/-0.000 χ^2/NDF: 40.5/36

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 108.8/57

All: 0.000+/-0.000 χ^2/NDF: 178.2/117

- sign 0.000+/-0.000 χ^2/NDF: 68.8/59



Right In: 0.001+/-0.000 χ^2/NDF: 12679276.0/32

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

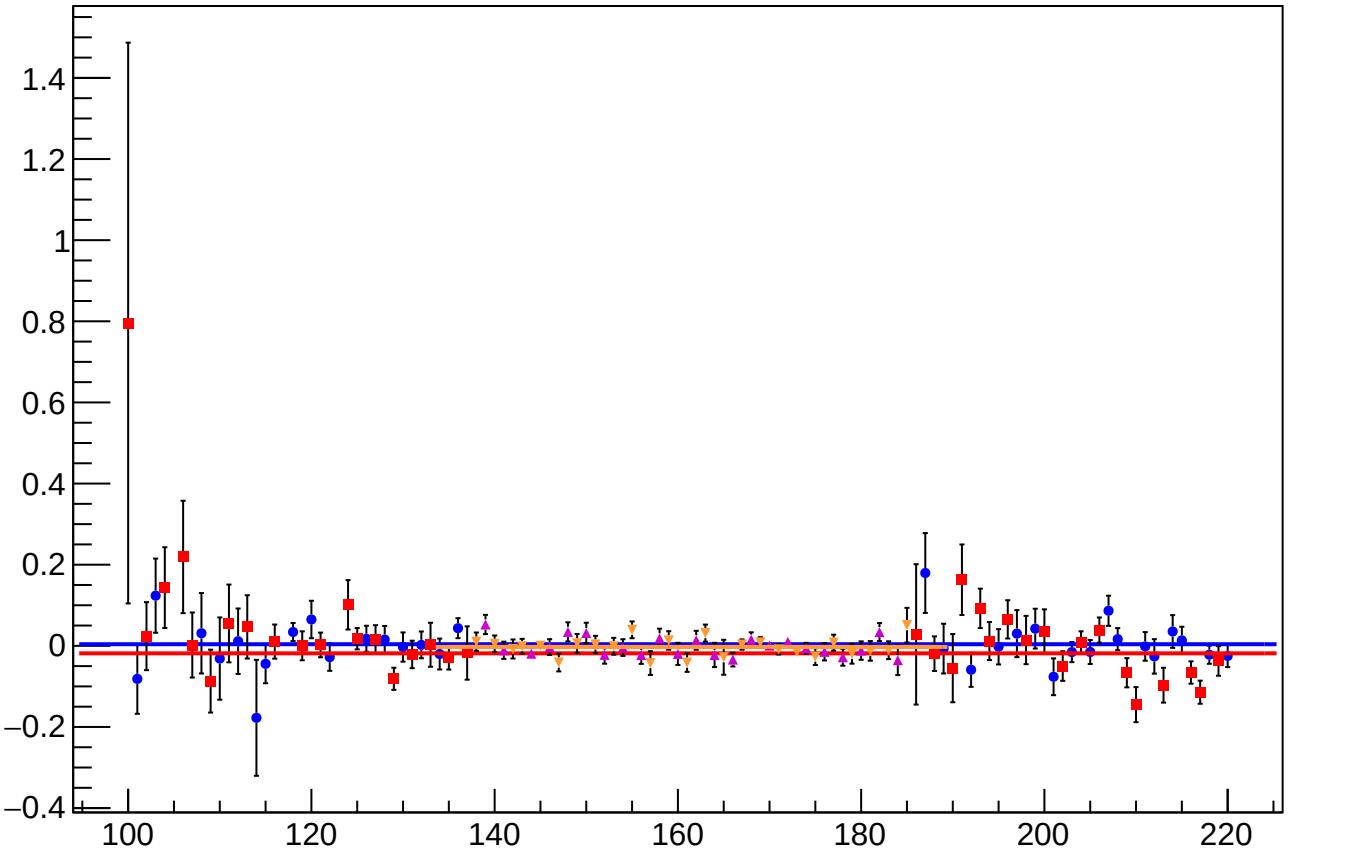
Right Out: 0.001+/-0.000 χ^2/NDF: 22249909.8/36

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 27463002.8/57

All: 0.001+/-0.000 χ^2/NDF: 68642995.7/117

- sign 0.001+/-0.000 χ^2/NDF: 37363973.3/59



Right In: 0.004+/-0.006 χ^2/NDF: 32.5/32

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

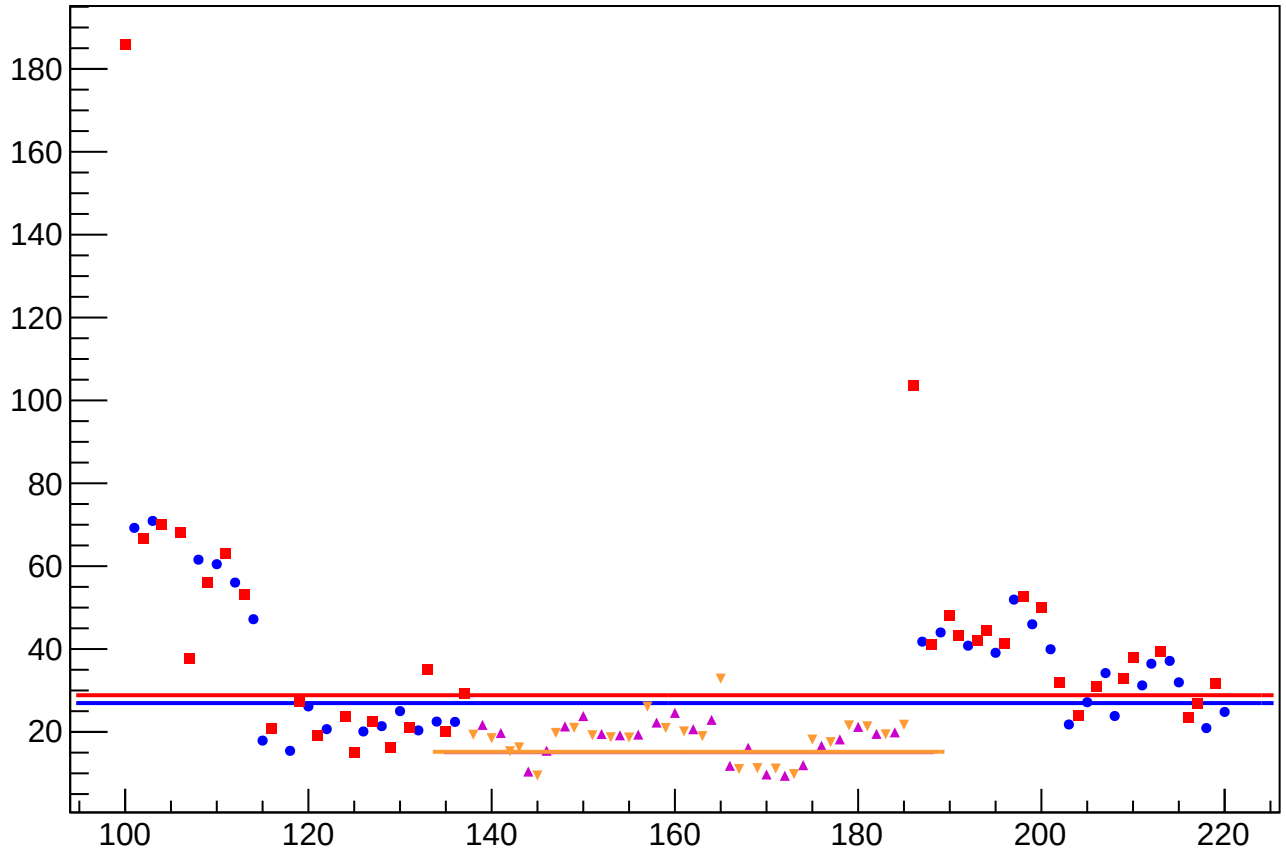
Right Out: -0.019+/-0.007 χ^2/NDF: 71.1/36

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 56.0/57

All: -0.004+/-0.002 χ^2/NDF: 159.4/117

- sign -0.006+/-0.003 χ^2/NDF: 102.2/59



Right In: 26.955+/-0.005 χ^2/NDF: 4762003.1/32

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

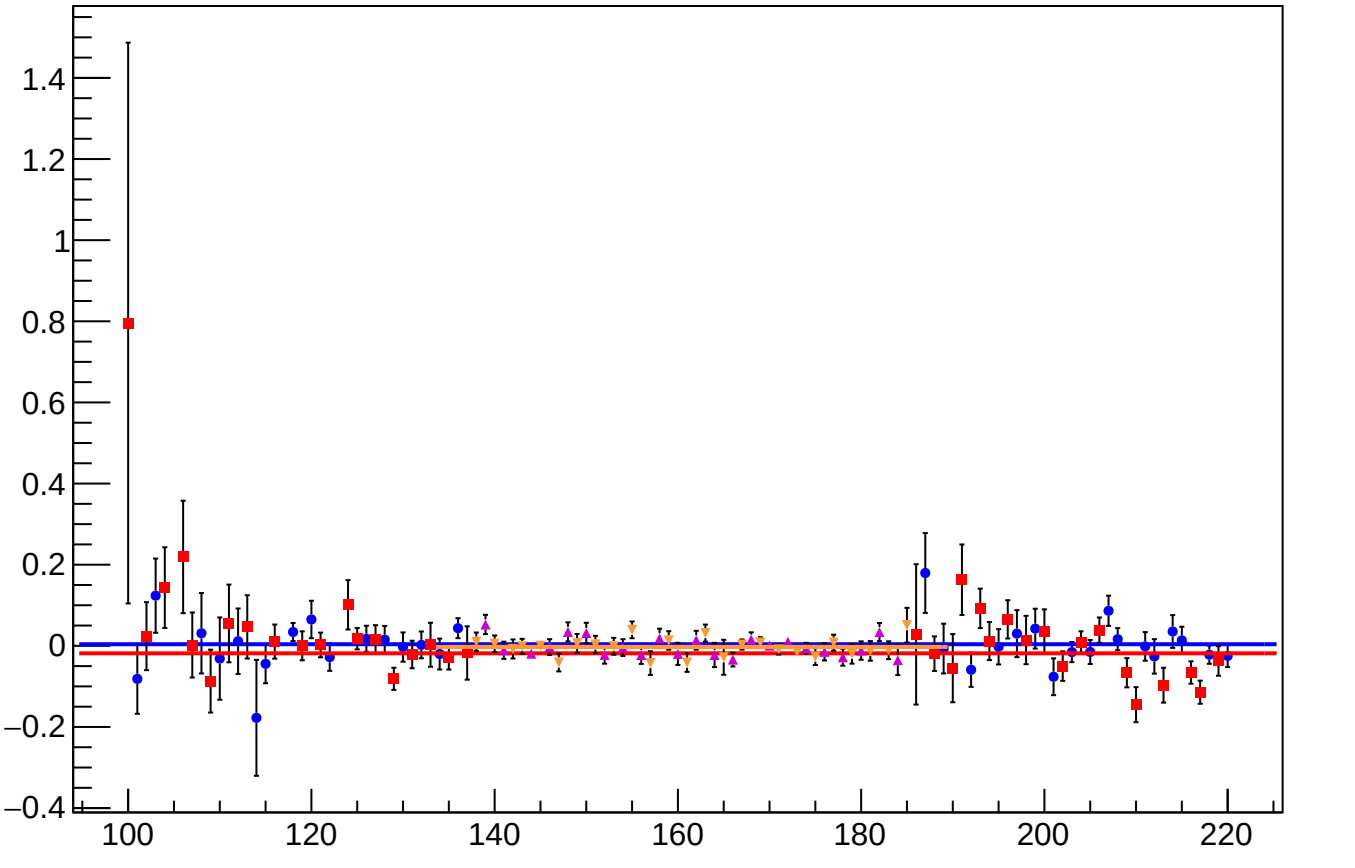
Right Out: 28.857+/-0.005 χ^2/NDF: 5655903.8/36

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 18.114+/-0.002 χ^2/NDF: 13191458.8/57

All: 18.227+/-0.002 χ^2/NDF: 28325097.8/117

- sign 18.349+/-0.002 χ^2/NDF: 15128518.1/59



Right In: 0.004+/-0.006 χ^2/NDF: 32.5/32

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

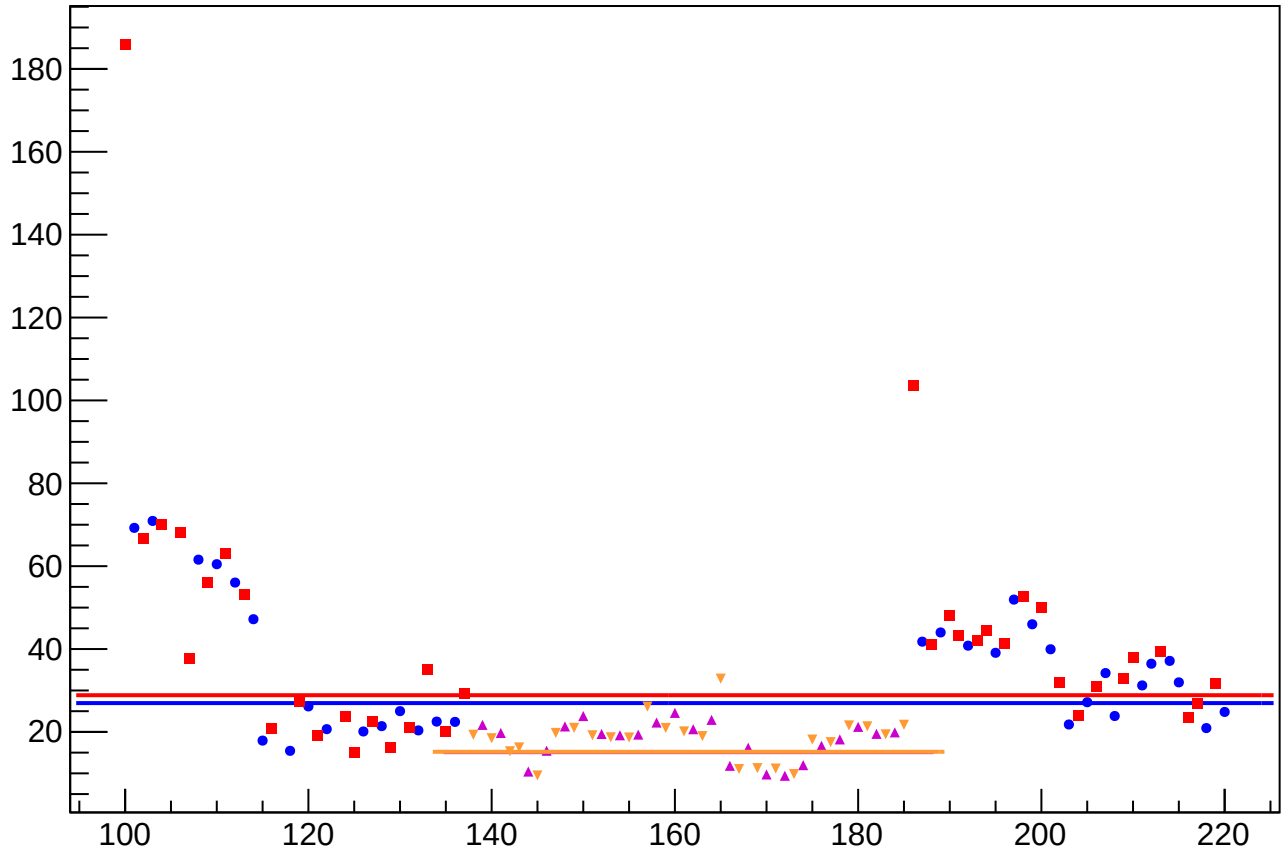
Right Out: -0.019+/-0.007 χ^2/NDF: 71.1/36

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.001+/-0.003 χ^2/NDF: 56.0/57

All: -0.004+/-0.002 χ^2/NDF: 159.4/117

- sign -0.006+/-0.003 χ^2/NDF: 102.2/59



Right In: 26.955+/-0.005 χ^2/NDF: 4762003.1/32

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

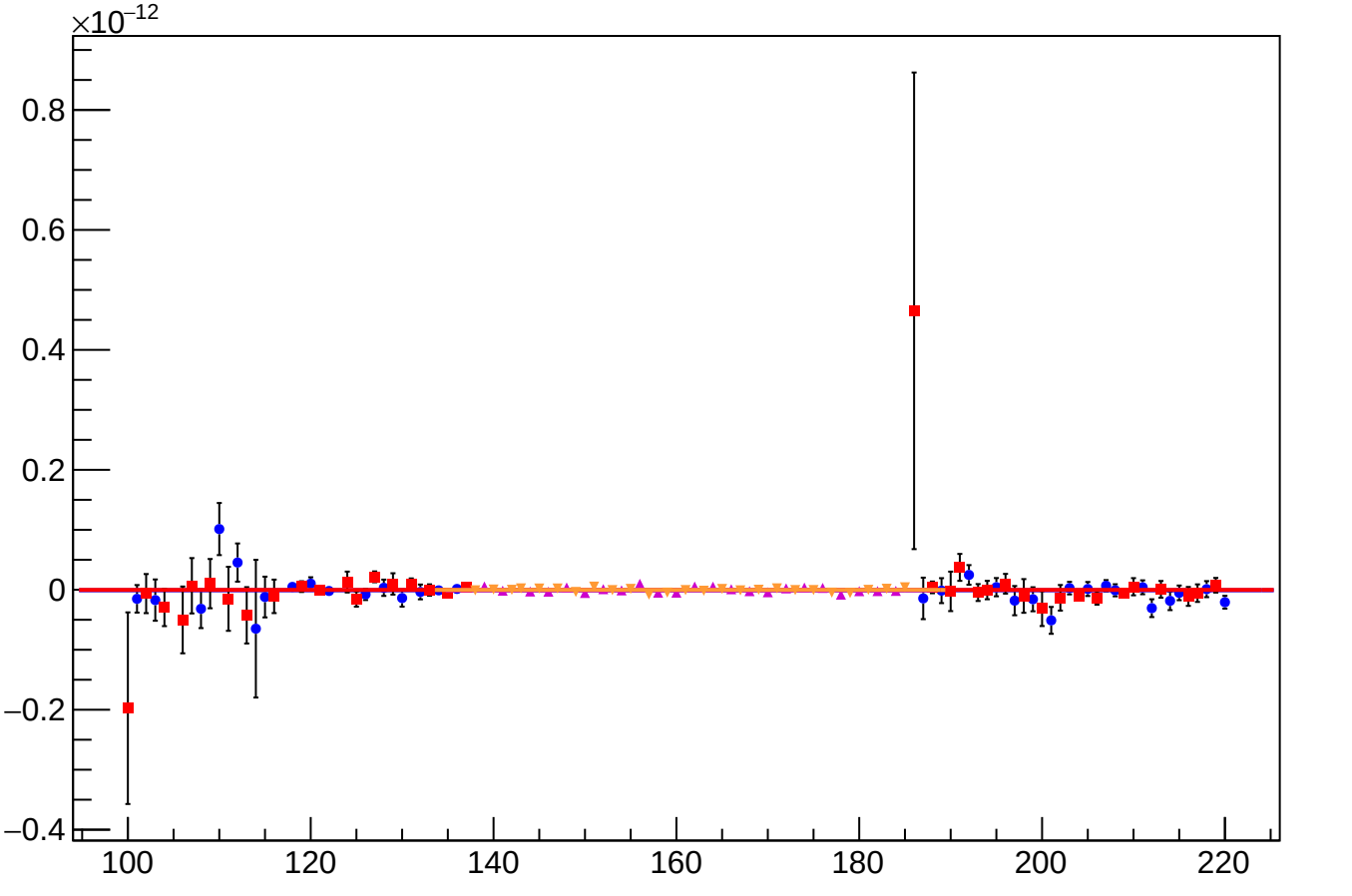
Right Out: 28.857+/-0.005 χ^2/NDF: 5655903.8/36

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 18.114+/-0.002 χ^2/NDF: 13191458.8/57

All: 18.227+/-0.002 χ^2/NDF: 28325097.8/117

- sign 18.349+/-0.002 χ^2/NDF: 15128518.1/59



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

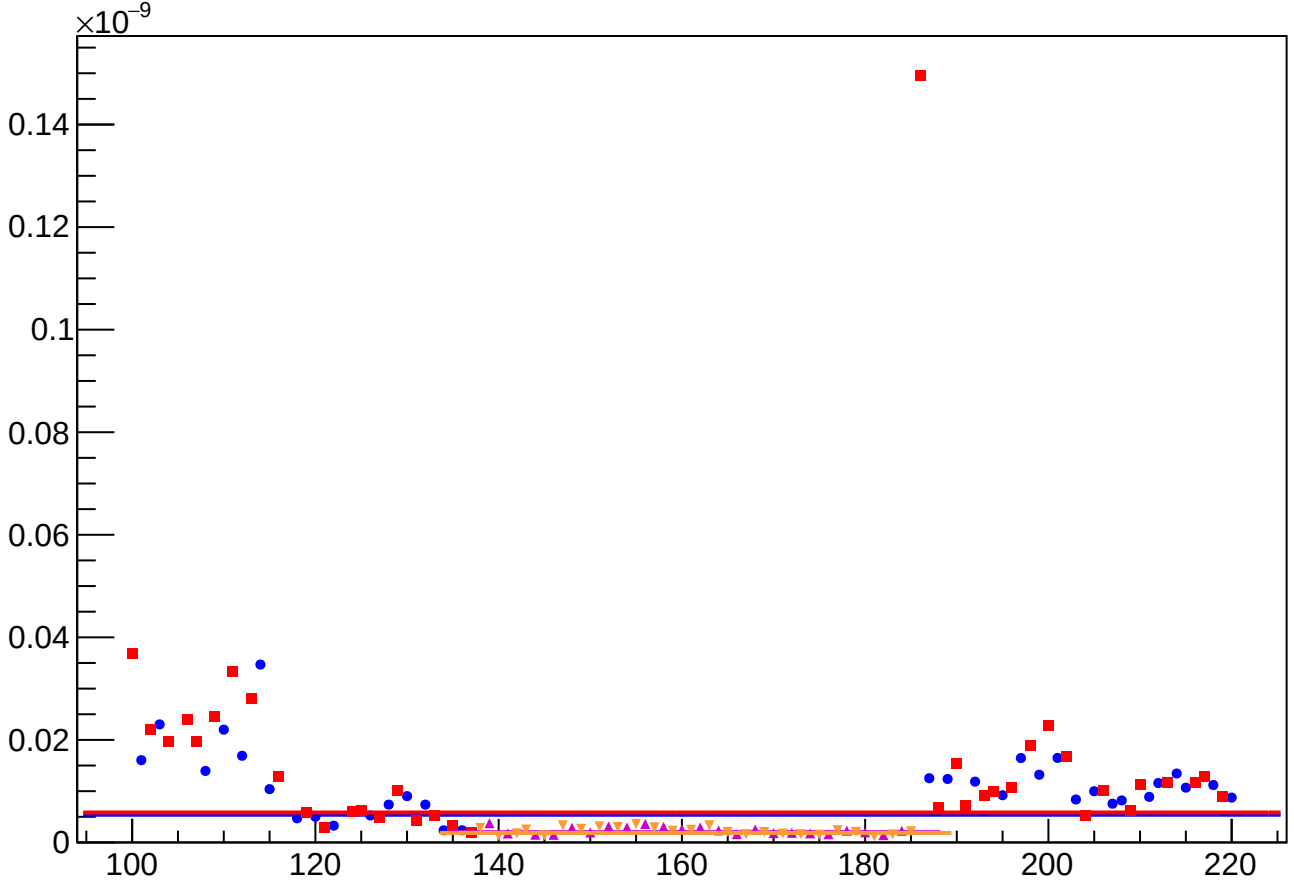
Right Out: -0.000+/-0.000 χ^2/NDF: 27.5/36

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.5/57

All: -0.000+/-0.000 χ^2/NDF: 121.1/117

- sign -0.000+/-0.000 χ^2/NDF: 67.1/59



Right In: 0.000+/-0.000 χ^2/NDF: 9762556.8/32

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9806368.2/36

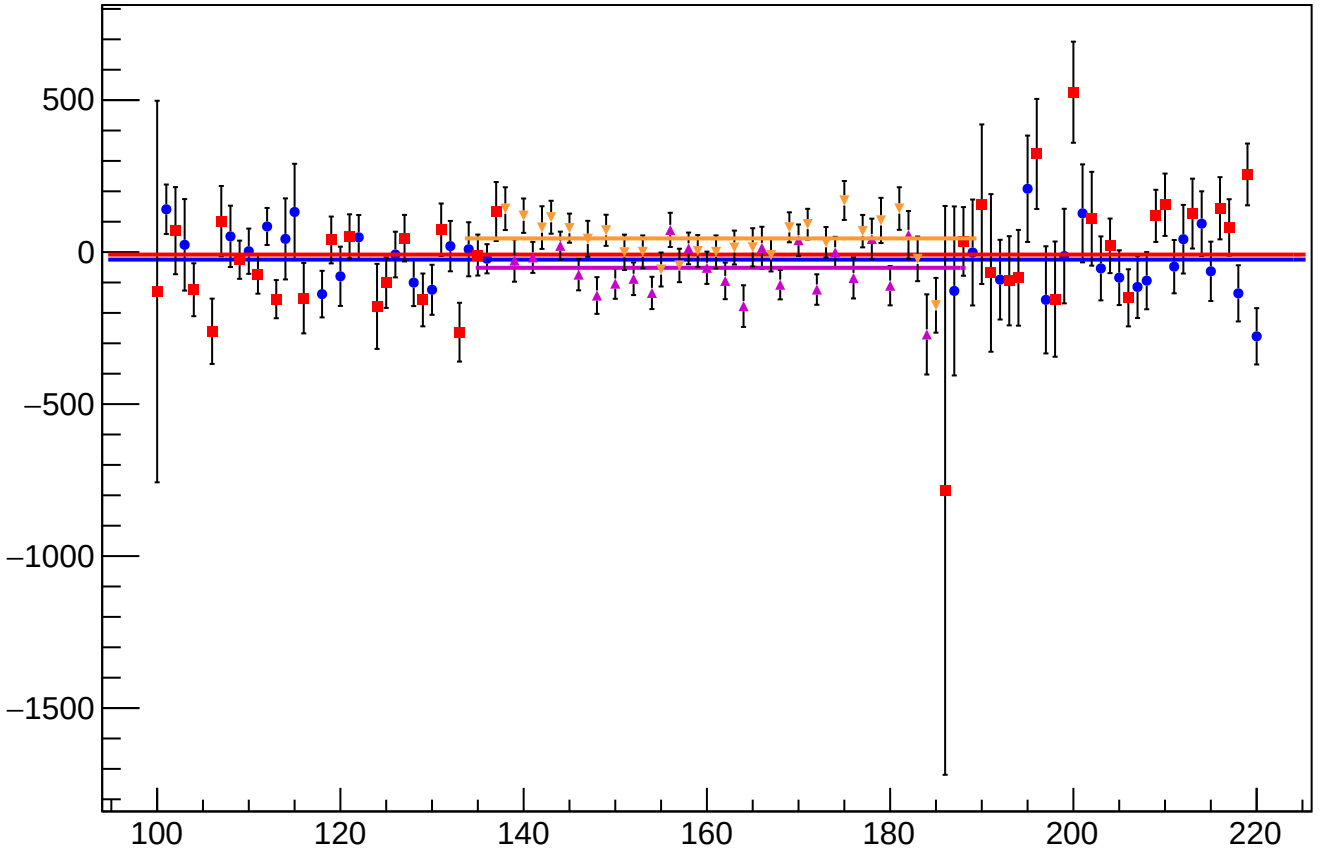
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 19974744.6/57

All: 0.000+/-0.000 χ^2/NDF: 39319137.3/117

- sign 0.000+/-0.000 χ^2/NDF: 19244959.8/59

reg_asym_sam_1357_avg_mean vs Slug



Right In: -24.589+/-16.206 χ^2/NDF: 32.0/32

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -8.145+/-16.261 χ^2/NDF: 69.0/36

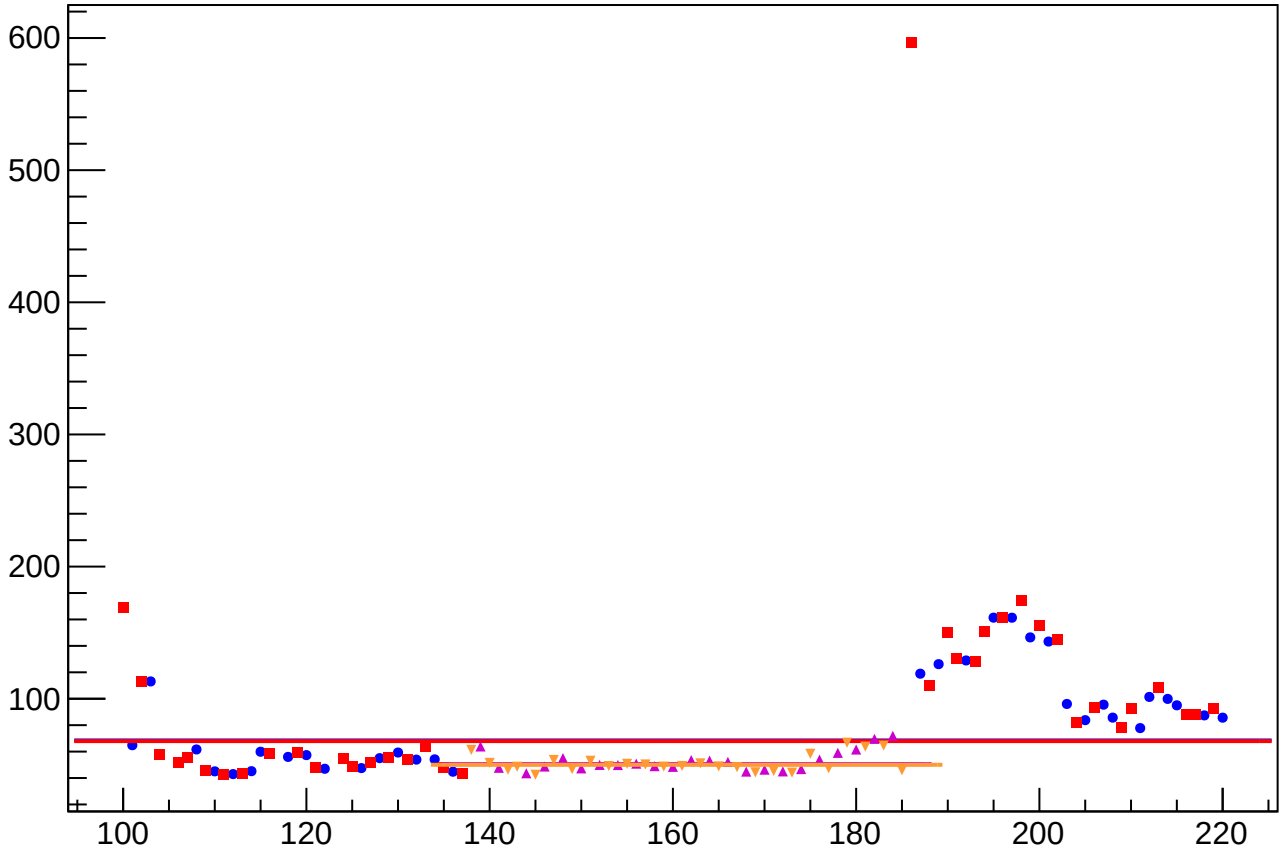
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 21.771+/-9.376 χ^2/NDF: 75.6/57

All: -6.576+/-6.714 χ^2/NDF: 203.8/117

- sign -36.407+/-9.618 χ^2/NDF: 109.5/59

reg_asym_sam_1357_avg_rms vs Slug



Right In: 68.418+/-0.011 χ^2/NDF: 5731135.7/32

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 67.942+/-0.011 χ^2/NDF: 7251310.3/36

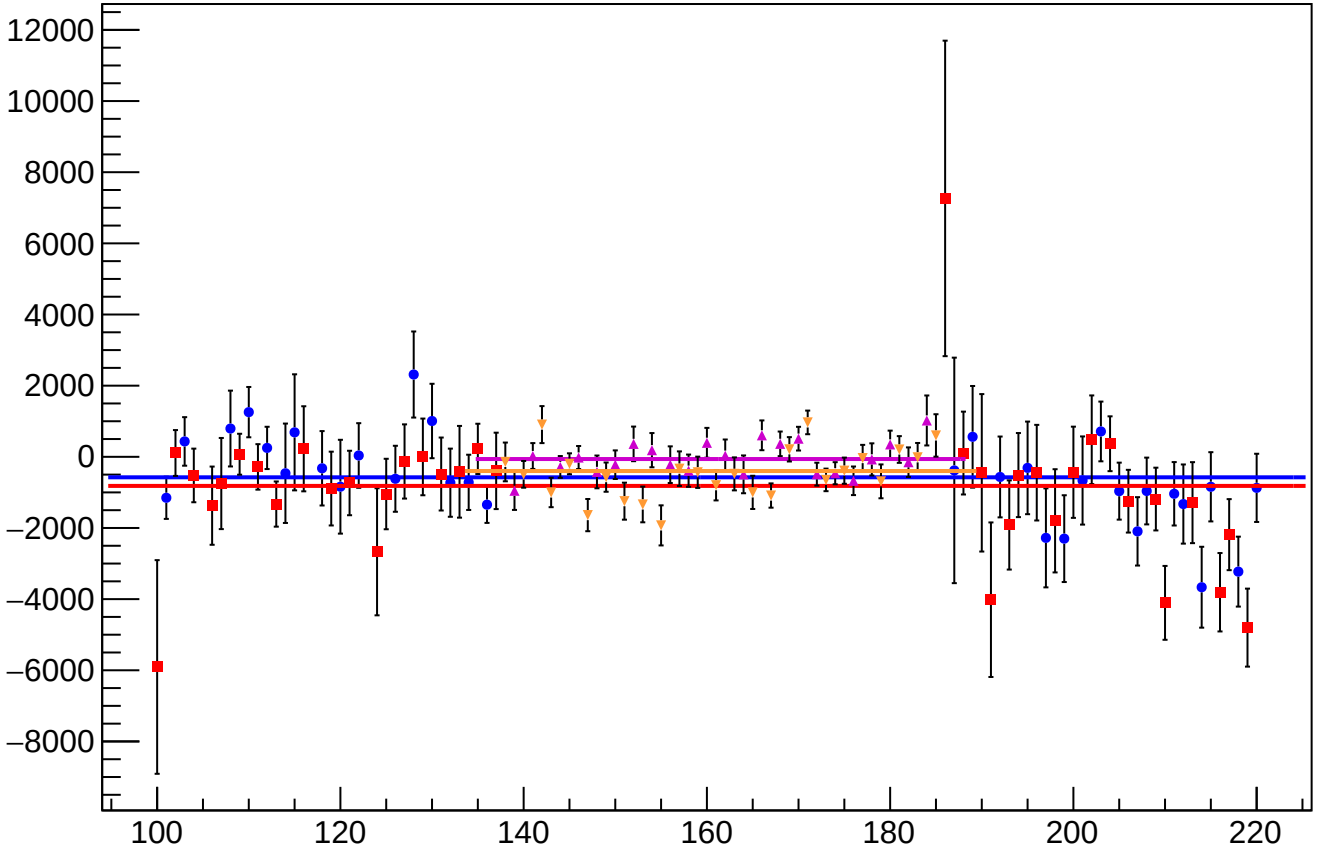
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 56.179+/-0.007 χ^2/NDF: 7954974.0/57

All: 56.389+/-0.005 χ^2/NDF: 17205787.2/117

- sign 56.610+/-0.007 χ^2/NDF: 9248745.5/59

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -575.899+/-160.916 χ^2/NDF: 49.9/32

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -817.532+/-163.292 χ^2/NDF: 58.6/36

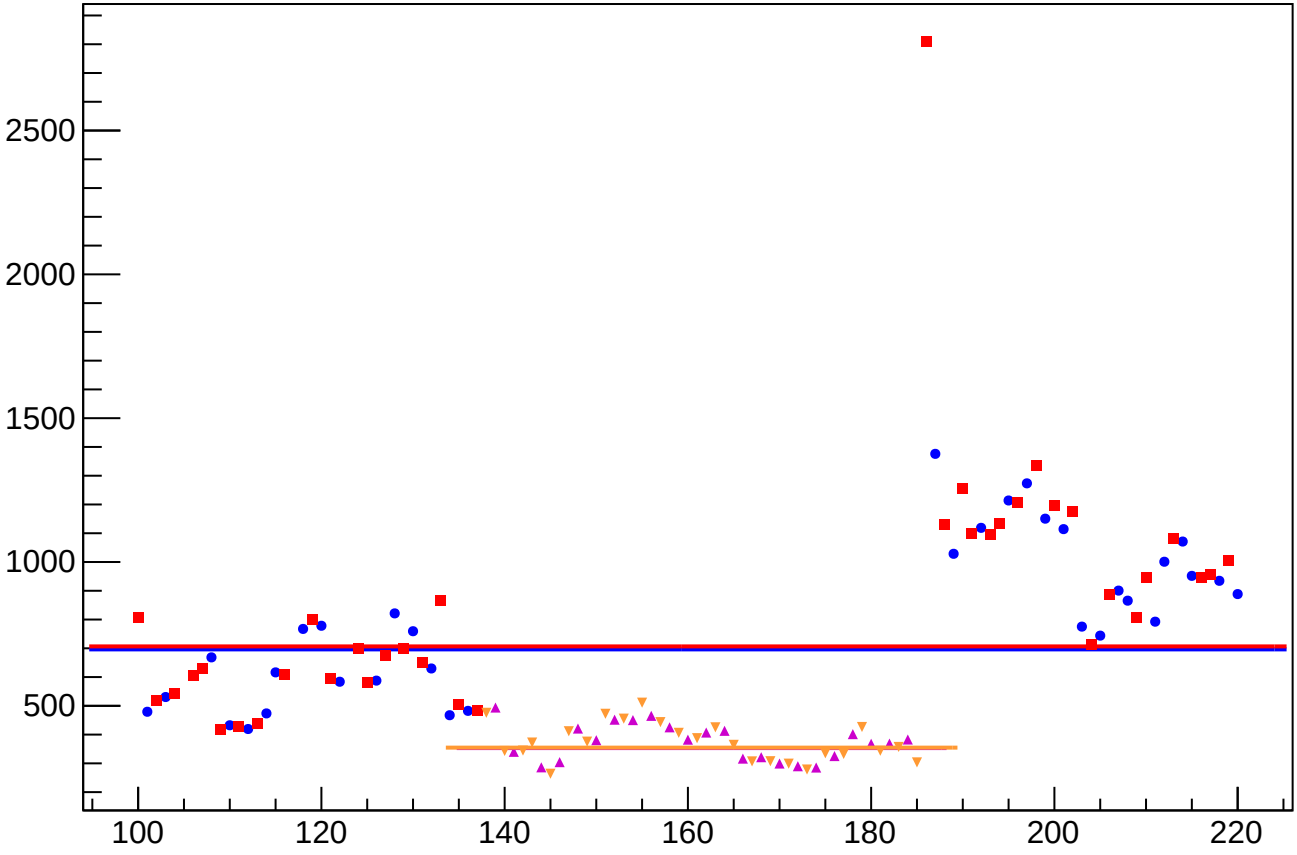
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -435.800+/-73.106 χ^2/NDF: 116.2/57

All: -330.017+/-52.221 χ^2/NDF: 220.0/117

- sign -219.805+/-74.620 χ^2/NDF: 99.5/59

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 696.199+/-0.114 χ^2/NDF: 4339472.2/32

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 706.598+/-0.115 χ^2/NDF: 5313333.4/36

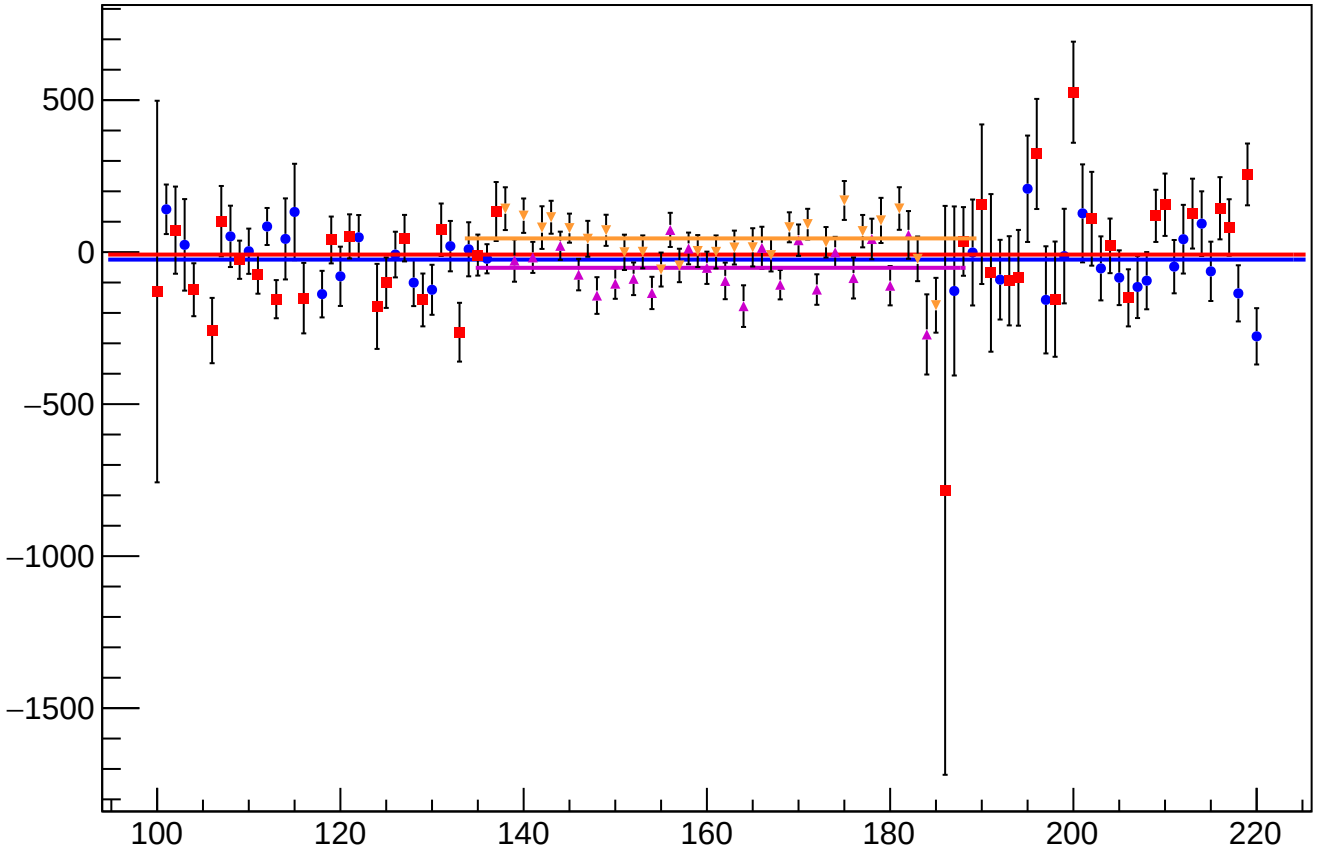
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 425.160+/-0.052 χ^2/NDF: 12634635.9/57

All: 426.026+/-0.037 χ^2/NDF: 26367819.8/11

- sign 426.927+/-0.053 χ^2/NDF: 13732611.8/59

cor_asym_sam_1357_avg_mean vs Slug



Right In: -24.592+/-16.206 χ^2/NDF: 32.0/32

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -8.065+/-16.261 χ^2/NDF: 68.9/36

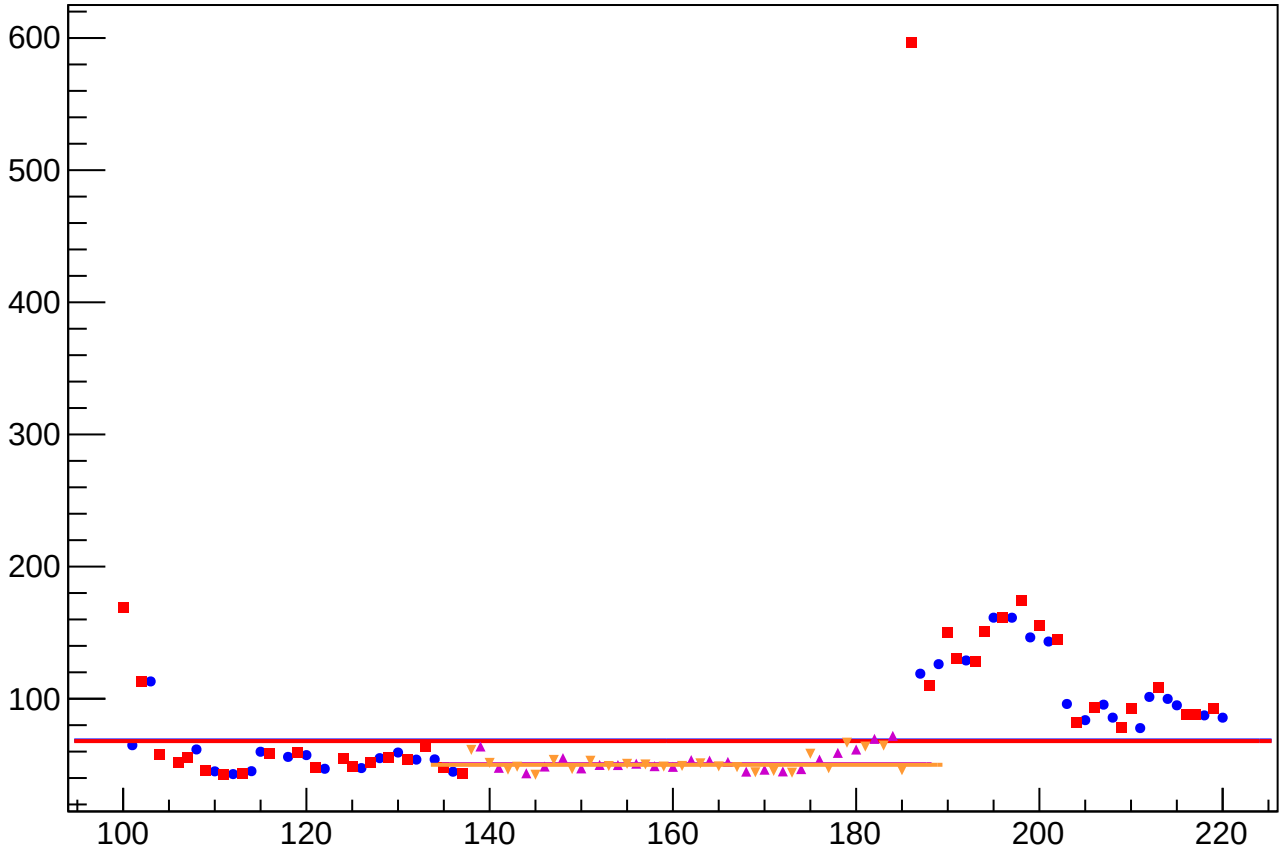
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 21.772+/-9.376 χ^2/NDF: 75.6/57

All: -6.561+/-6.714 χ^2/NDF: 203.7/117

- sign -36.379+/-9.618 χ^2/NDF: 109.4/59

cor_asym_sam_1357_avg_rms vs Slug



Right In: 68.418+/-0.011 χ^2/NDF: 5731138.0/32

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 67.936+/-0.011 χ^2/NDF: 7253212.8/36

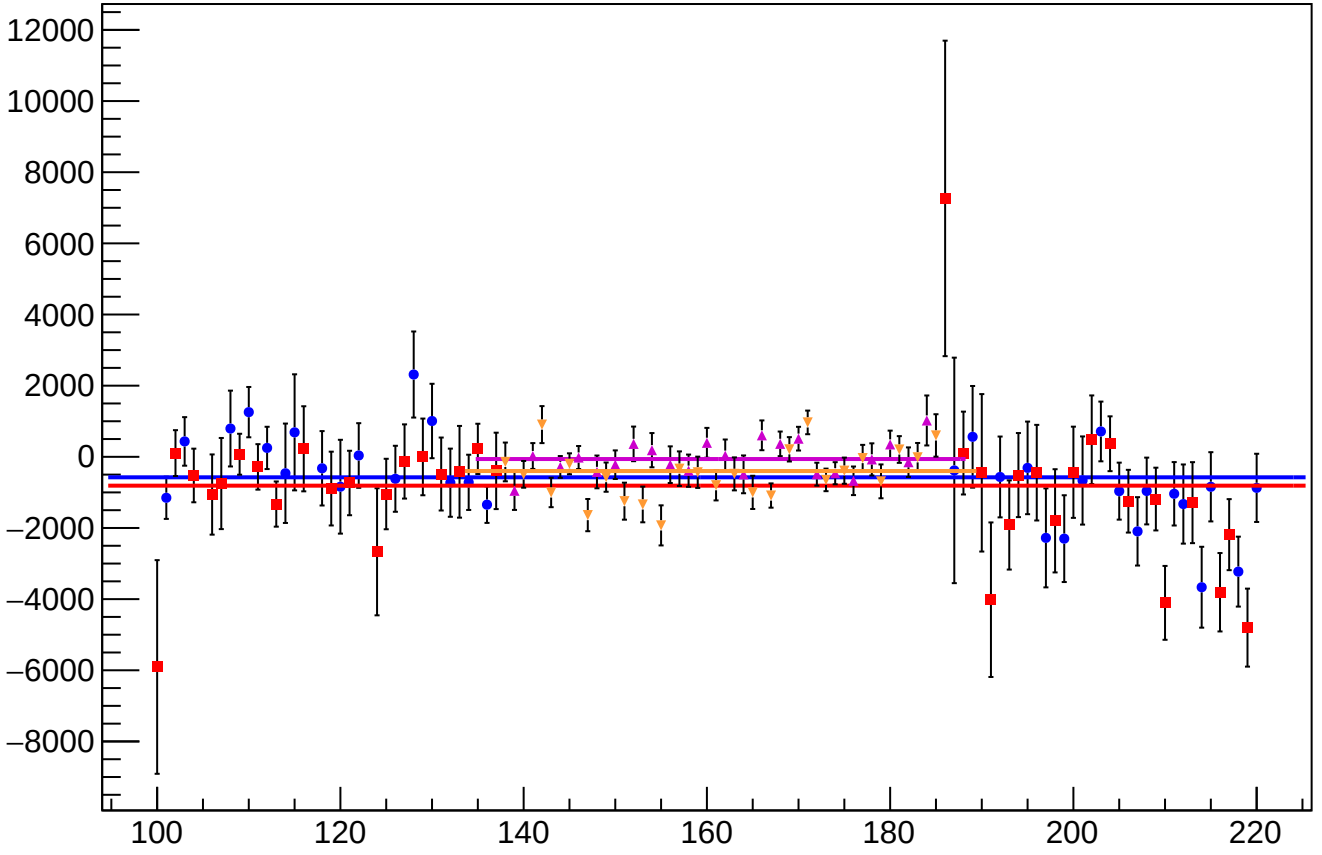
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 56.179+/-0.007 χ^2/NDF: 7954976.3/57

All: 56.388+/-0.005 χ^2/NDF: 17206521.5/117

- sign 56.608+/-0.007 χ^2/NDF: 9249500.5/59

asym_sam_1357_avg_cor_correction_mean vs Slug



Right In: -575.890+/-160.917 χ^2/NDF: 49.9/32

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -810.692+/-163.391 χ^2/NDF: 58.4/36

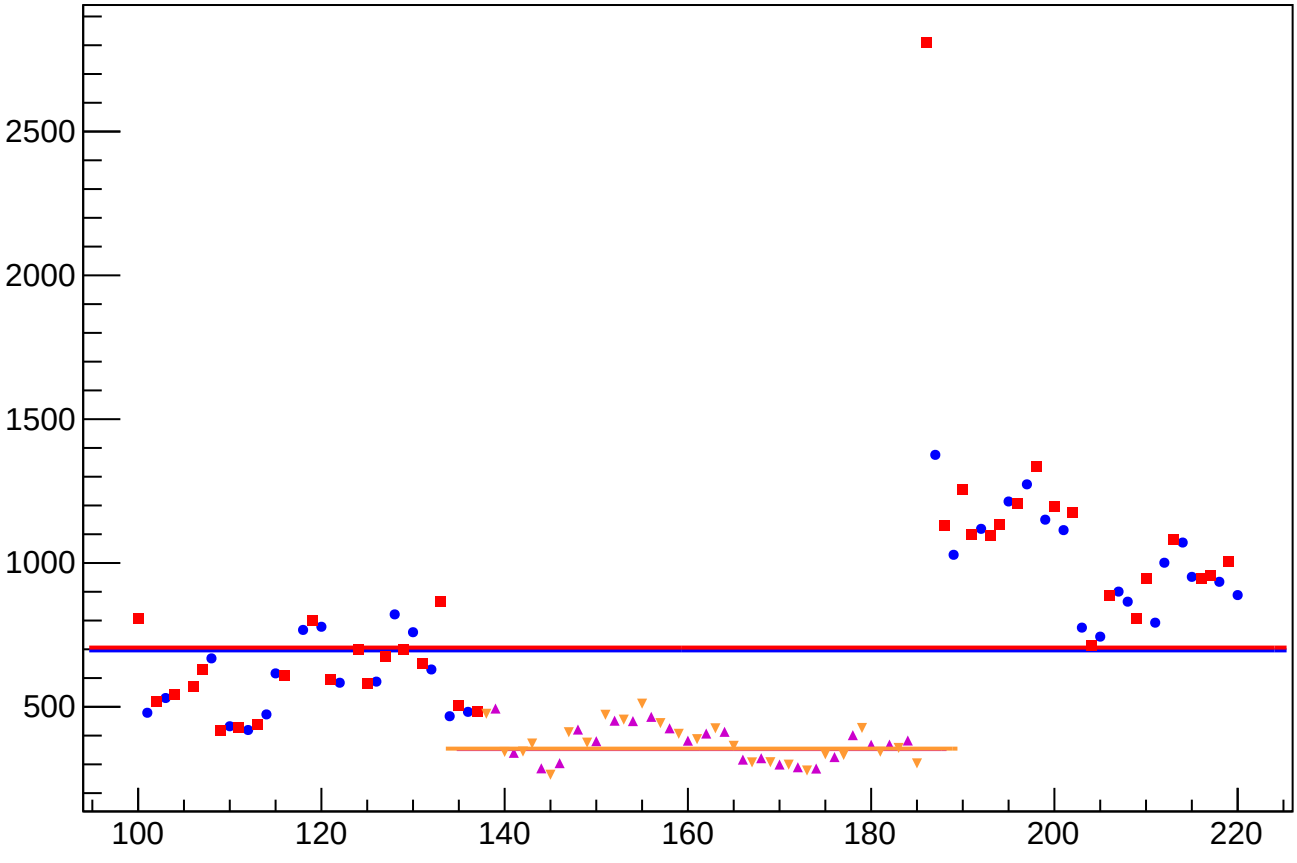
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -435.794+/-73.106 χ^2/NDF: 116.2/57

All: -329.254+/-52.224 χ^2/NDF: 219.5/117

- sign -218.226+/-74.630 χ^2/NDF: 98.9/59

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 696.204+/-0.114 χ^2/NDF: 4339367.5/32

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 706.017+/-0.116 χ^2/NDF: 5324471.5/36

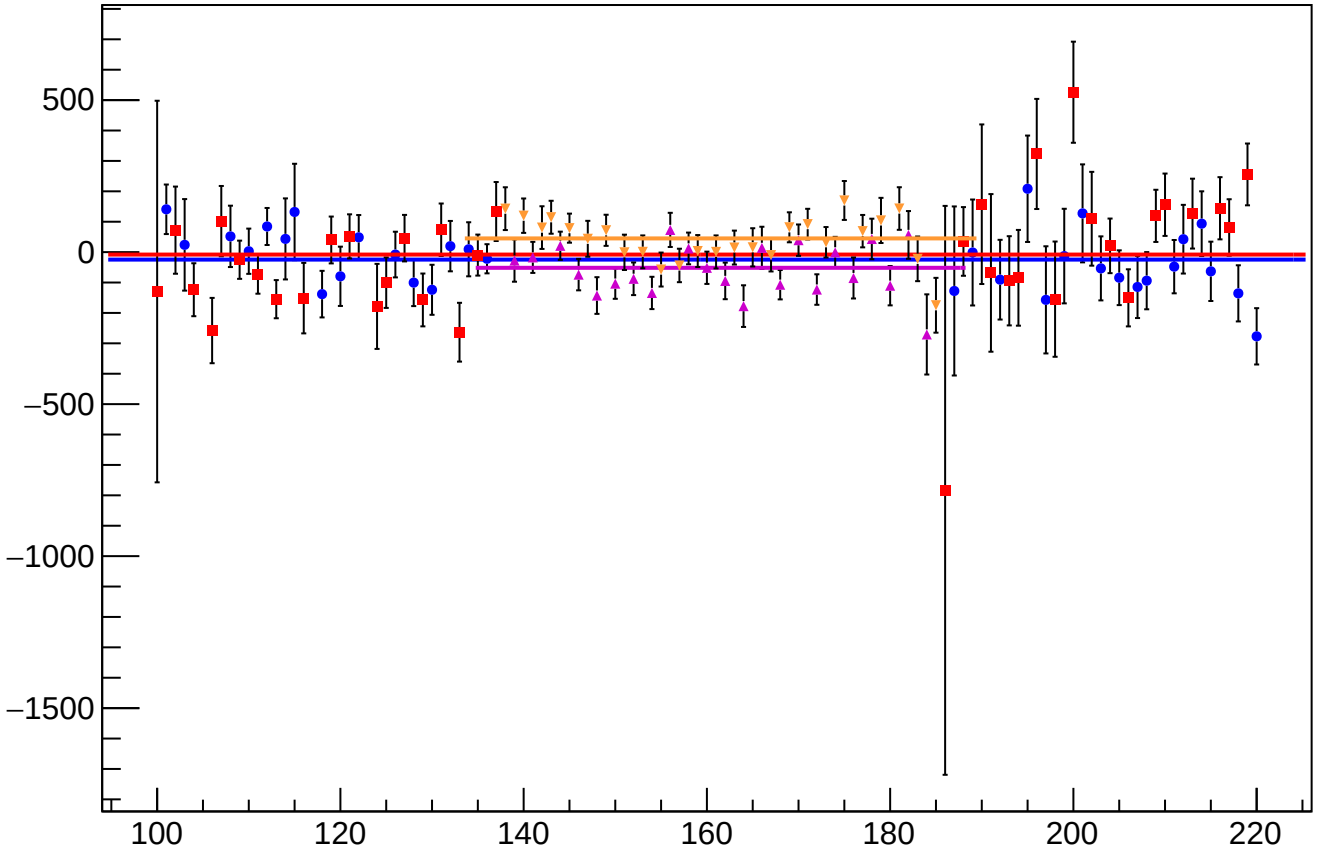
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 425.161+/-0.052 χ^2/NDF: 12634689.3/57

All: 425.932+/-0.037 χ^2/NDF: 26347438.8/11

- sign 426.735+/-0.053 χ^2/NDF: 13712295.2/59

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -24.592+/-16.206 χ^2/NDF: 32.0/32

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -8.065+/-16.261 χ^2/NDF: 68.9/36

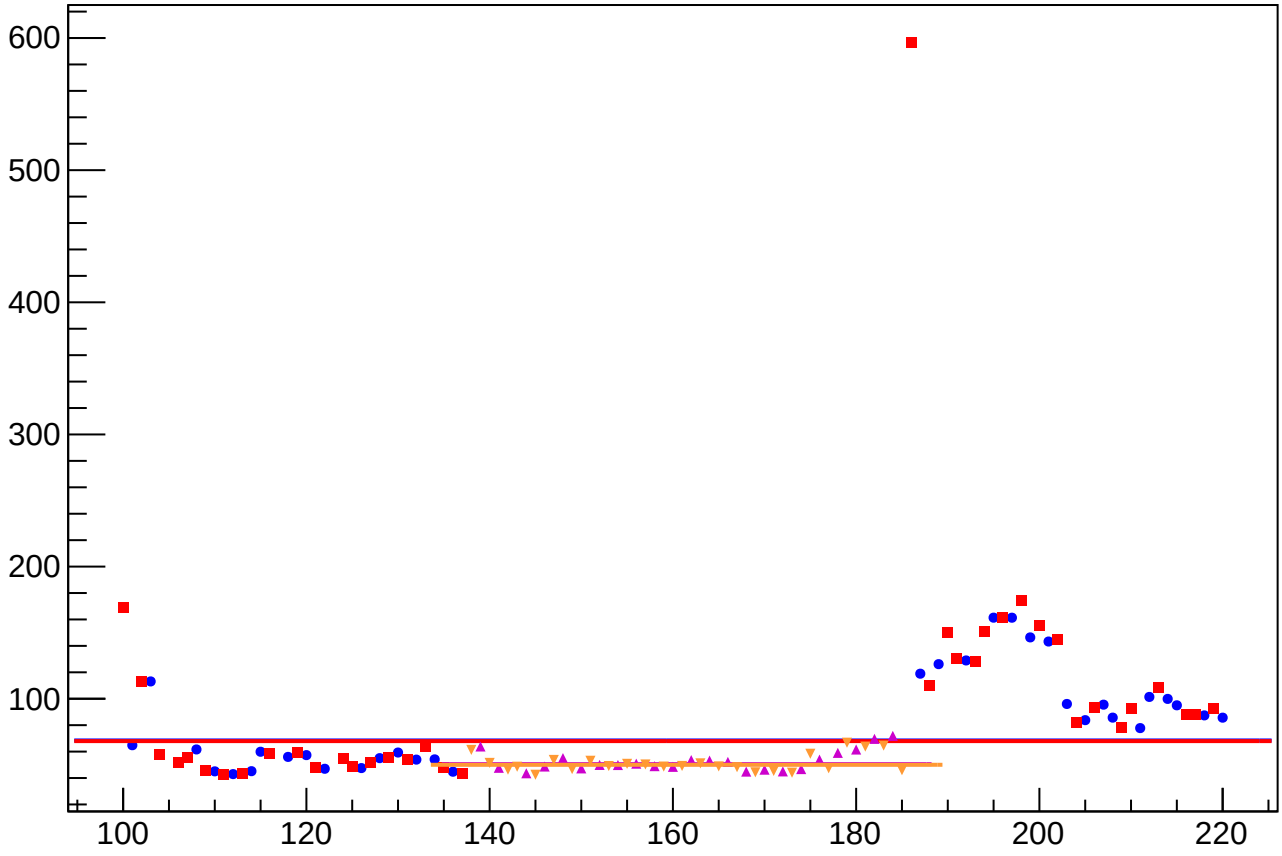
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 21.772+/-9.376 χ^2/NDF: 75.6/57

All: -6.561+/-6.714 χ^2/NDF: 203.7/117

- sign -36.379+/-9.618 χ^2/NDF: 109.4/59

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 68.418+/-0.011 χ^2/NDF: 5731138.0/32

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

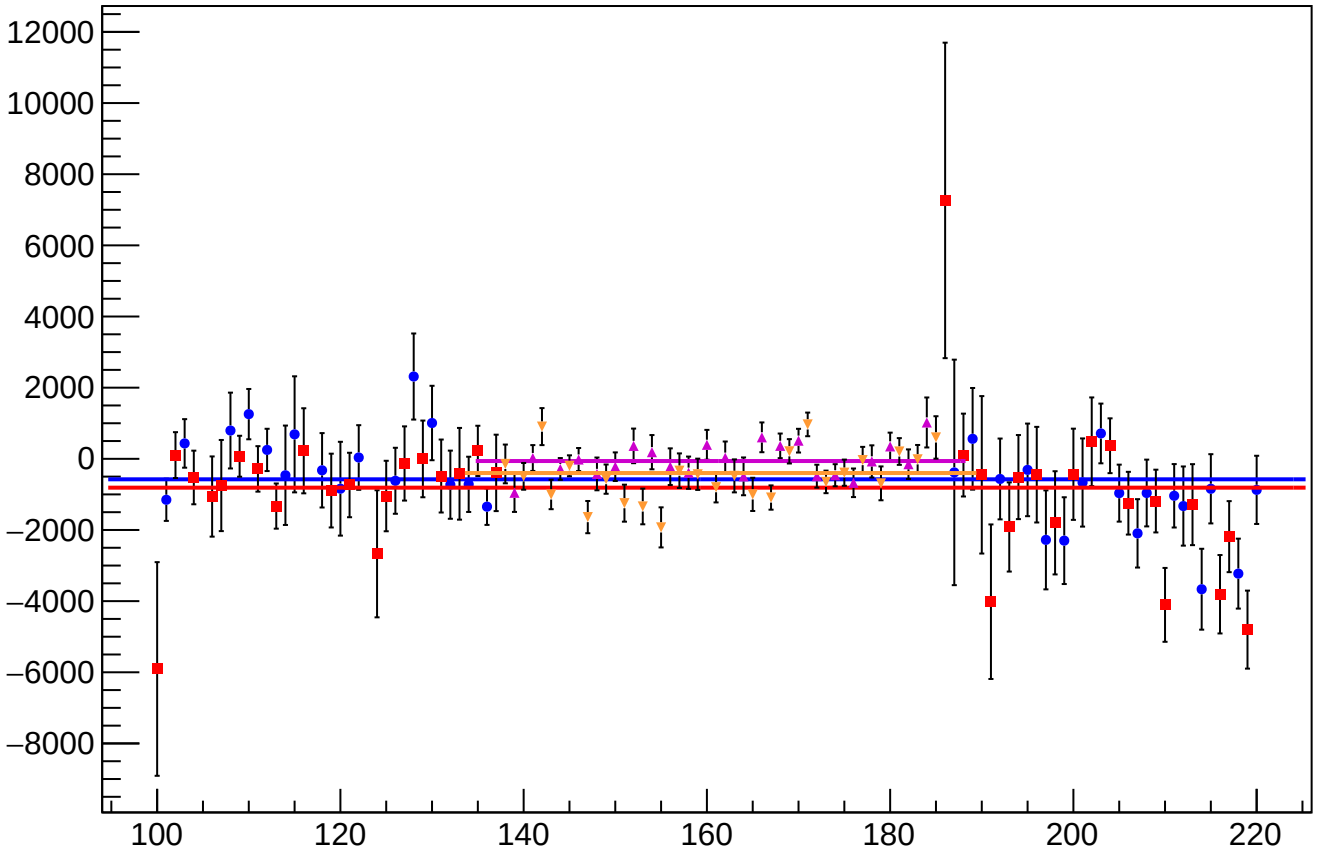
Right Out: 67.936+/-0.011 χ^2/NDF: 7253212.8/36

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 56.179+/-0.007 χ^2/NDF: 7954976.3/57

All: 56.388+/-0.005 χ^2/NDF: 17206521.5/117

- sign 56.608+/-0.007 χ^2/NDF: 9249500.5/59



Right In: -575.890+/-160.917 χ^2/NDF: 49.9/32

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

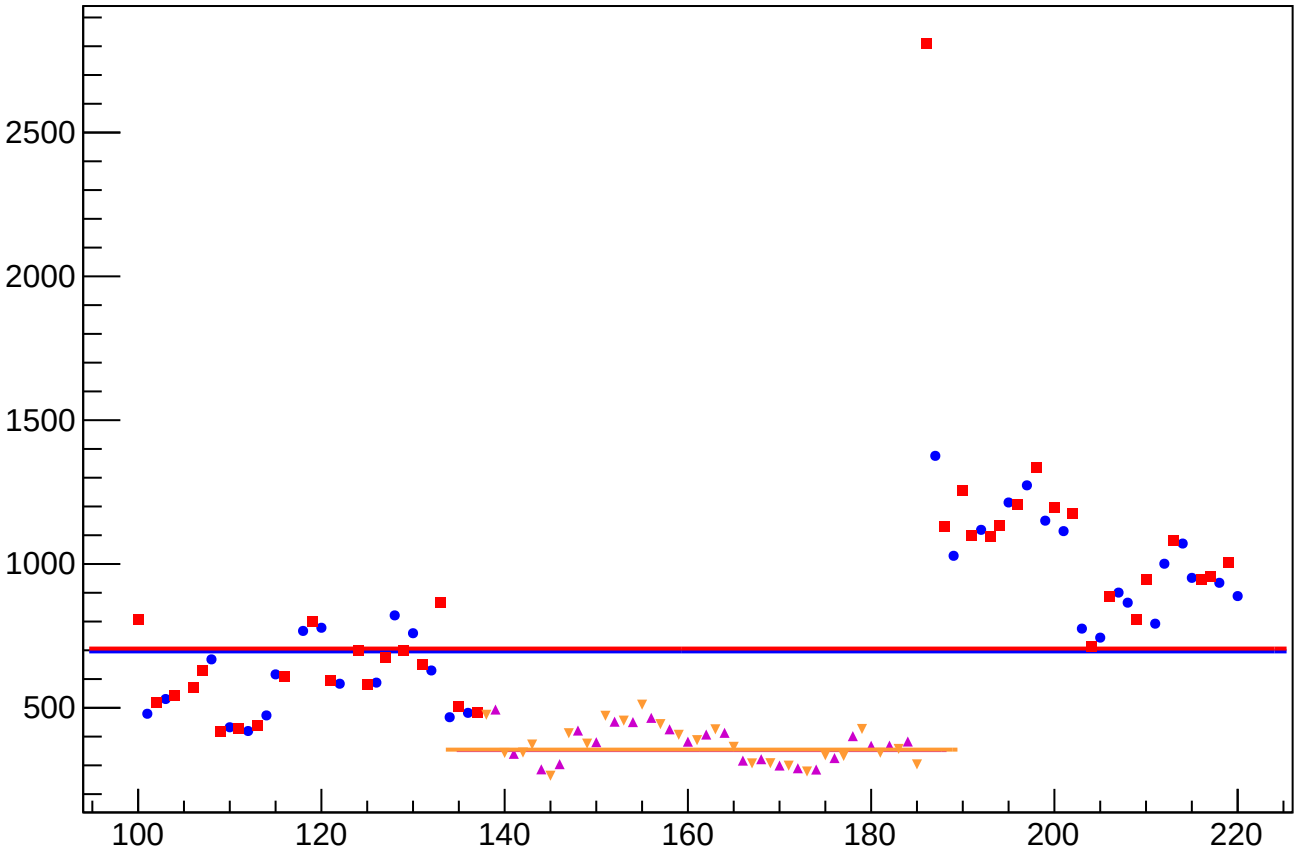
Right Out: -810.692+/-163.391 χ^2/NDF: 58.4/36

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -435.794+/-73.106 χ^2/NDF: 116.2/57

All: -329.254+/-52.224 χ^2/NDF: 219.5/117

- sign -218.226+/-74.630 χ^2/NDF: 98.9/59



Right In: 696.204+/-0.114 χ^2/NDF: 4339367.5/32

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 706.017+/-0.116 χ^2/NDF: 5324471.5/36

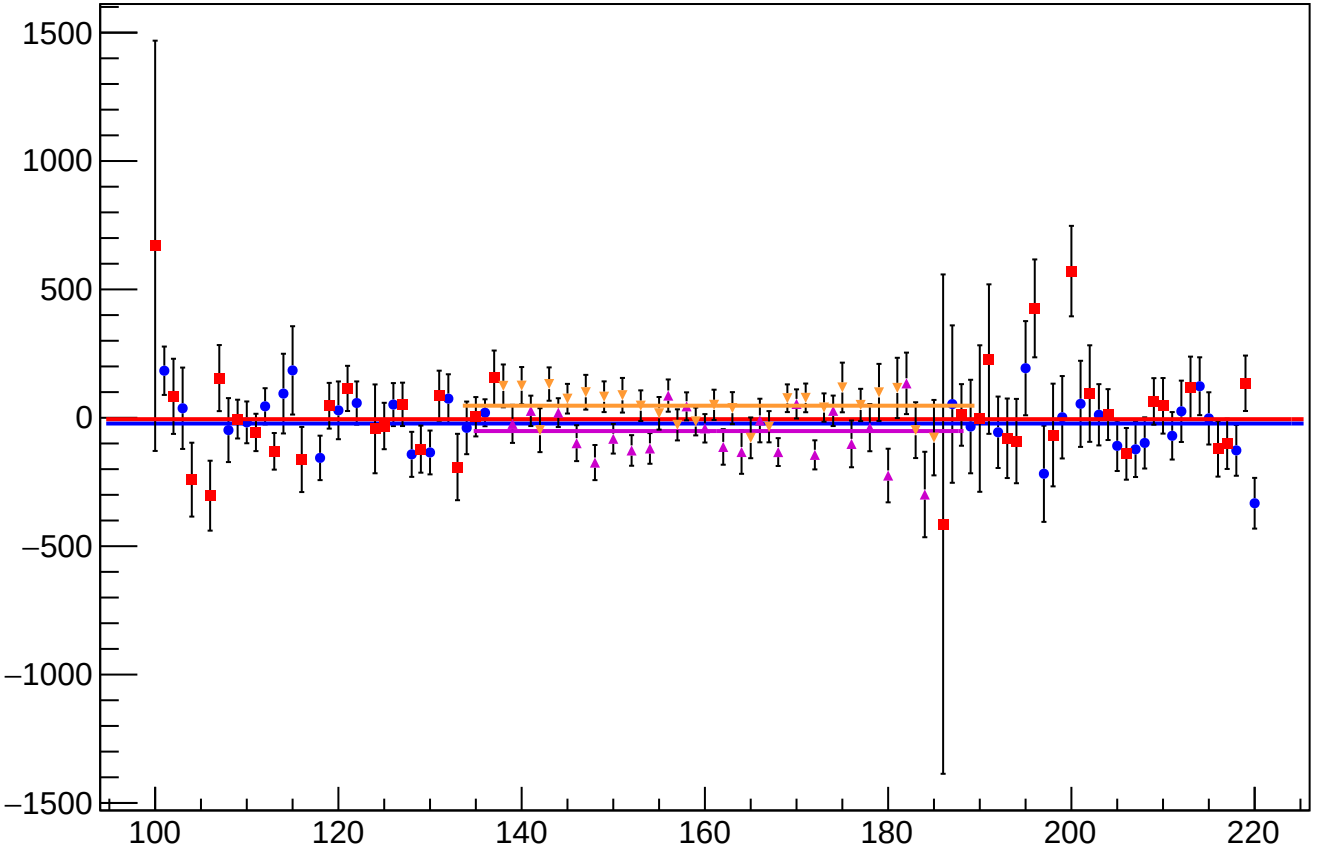
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 425.161+/-0.052 χ^2/NDF: 12634689.3/57

All: 425.932+/-0.037 χ^2/NDF: 26347438.8/11

- sign 426.735+/-0.053 χ^2/NDF: 13712295.2/59

dit_asym_sam_1357_avg_mean vs Slug



Right In: -22.264+/-17.868 χ^2/NDF: 35.7/32

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -5.347+/-18.362 χ^2/NDF: 49.9/36

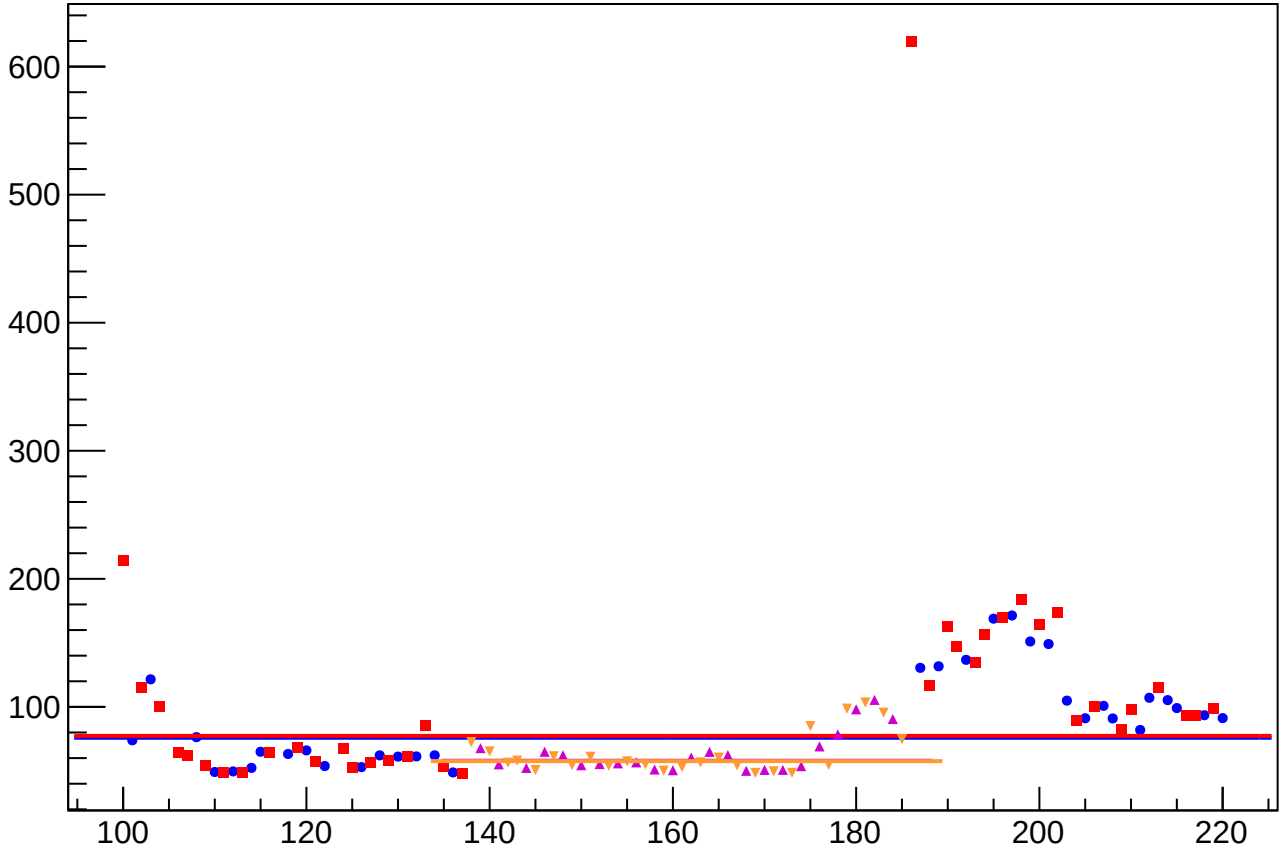
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 21.898+/-10.777 χ^2/NDF: 62.3/57

All: -5.582+/-7.732 χ^2/NDF: 167.9/117

- sign -34.731+/-11.100 χ^2/NDF: 92.1/59

dit_asym_sam_1357_avg_rms vs Slug



Right In: 75.907+/-0.013 χ^2/NDF: 5088751.3/32

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 77.355+/-0.013 χ^2/NDF: 6515171.2/36

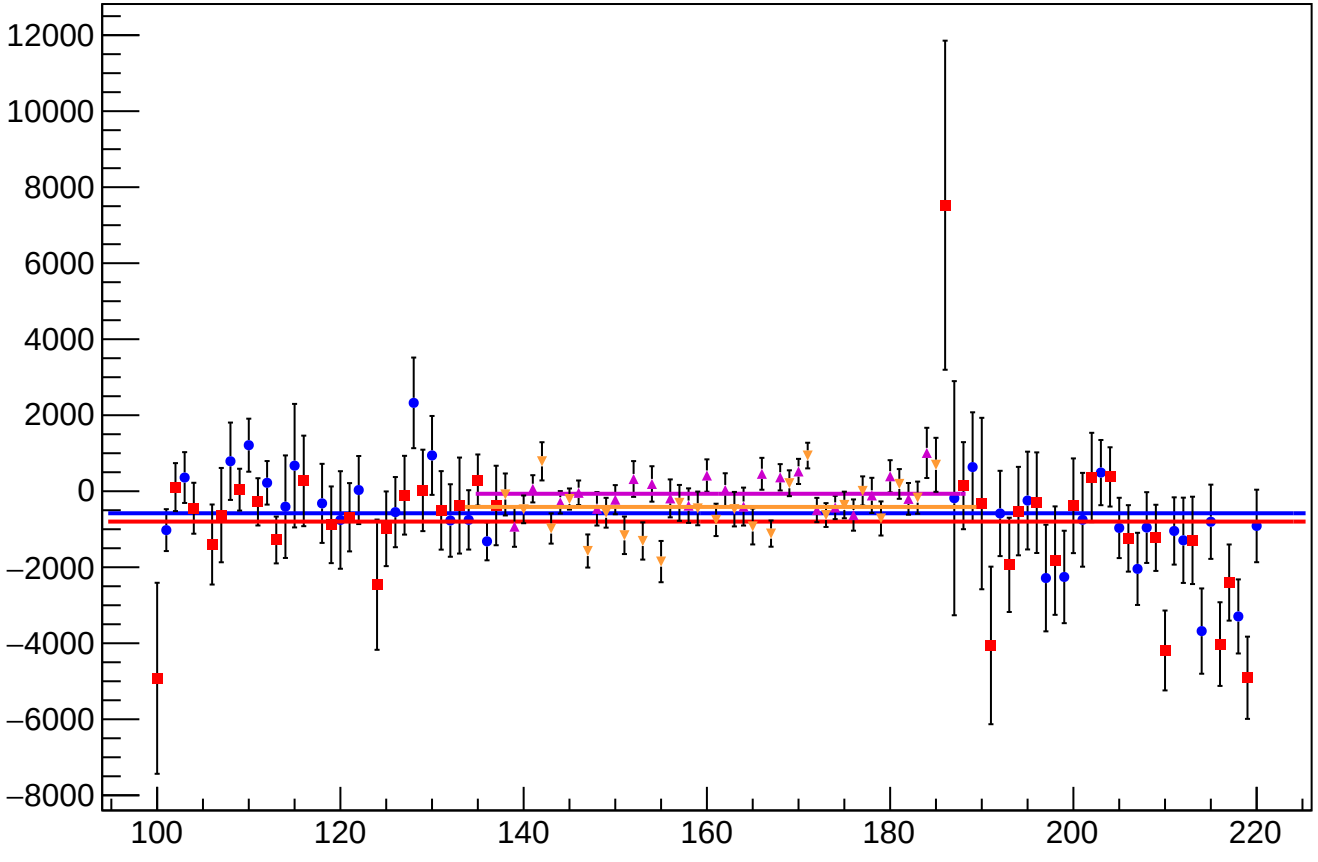
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 64.280+/-0.008 χ^2/NDF: 7785430.2/57

All: 64.646+/-0.005 χ^2/NDF: 16848886.6/117

- sign 65.035+/-0.008 χ^2/NDF: 9058692.3/59

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -579.529+/-158.212 χ^2/NDF: 49.3/32

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -798.519+/-159.231 χ^2/NDF: 63.3/36

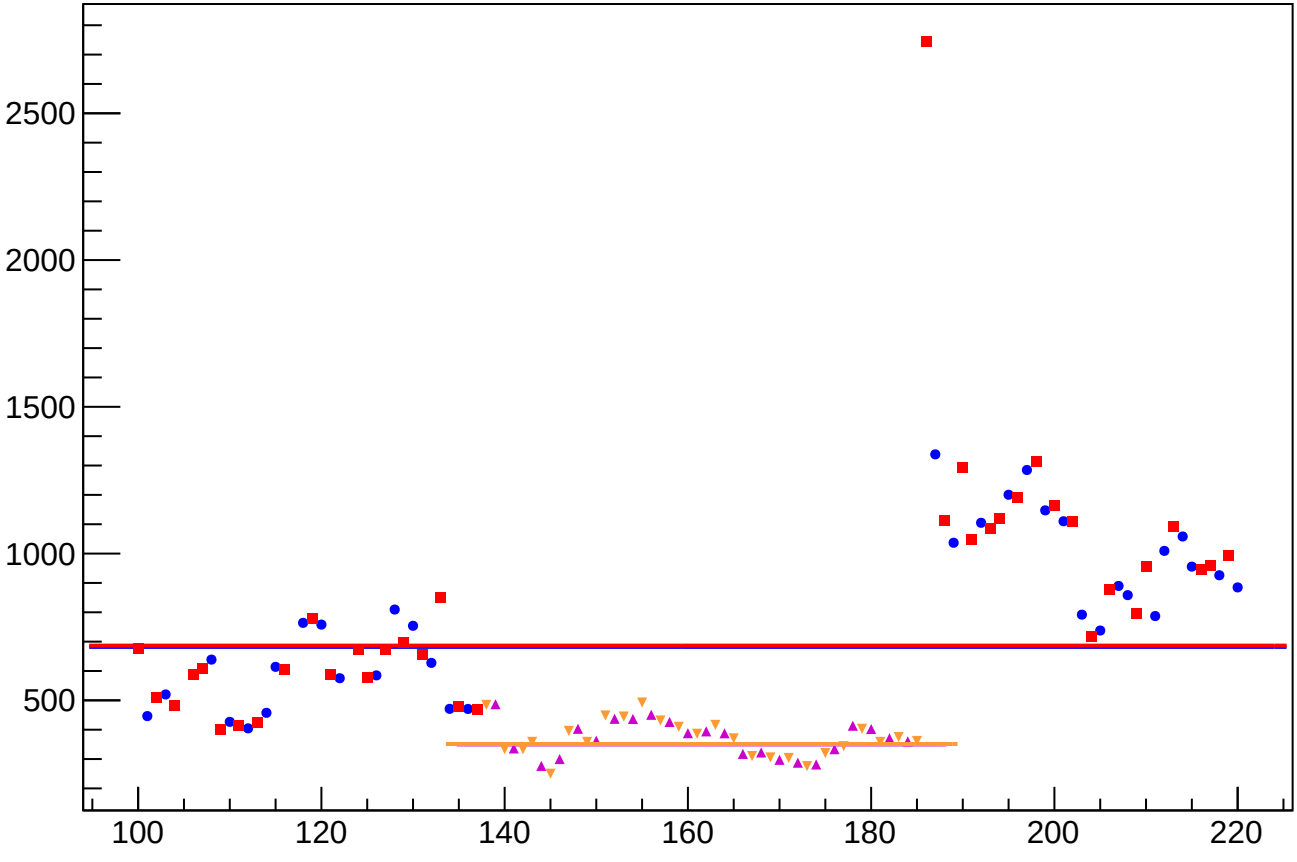
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -447.718+/-72.195 χ^2/NDF: 111.5/57

All: -337.736+/-51.559 χ^2/NDF: 219.0/117

- sign -223.250+/-73.658 χ^2/NDF: 102.8/59

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 682.112+/-0.112 χ^2/NDF: 4623725.1/32

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 686.431+/-0.113 χ^2/NDF: 5623784.7/36

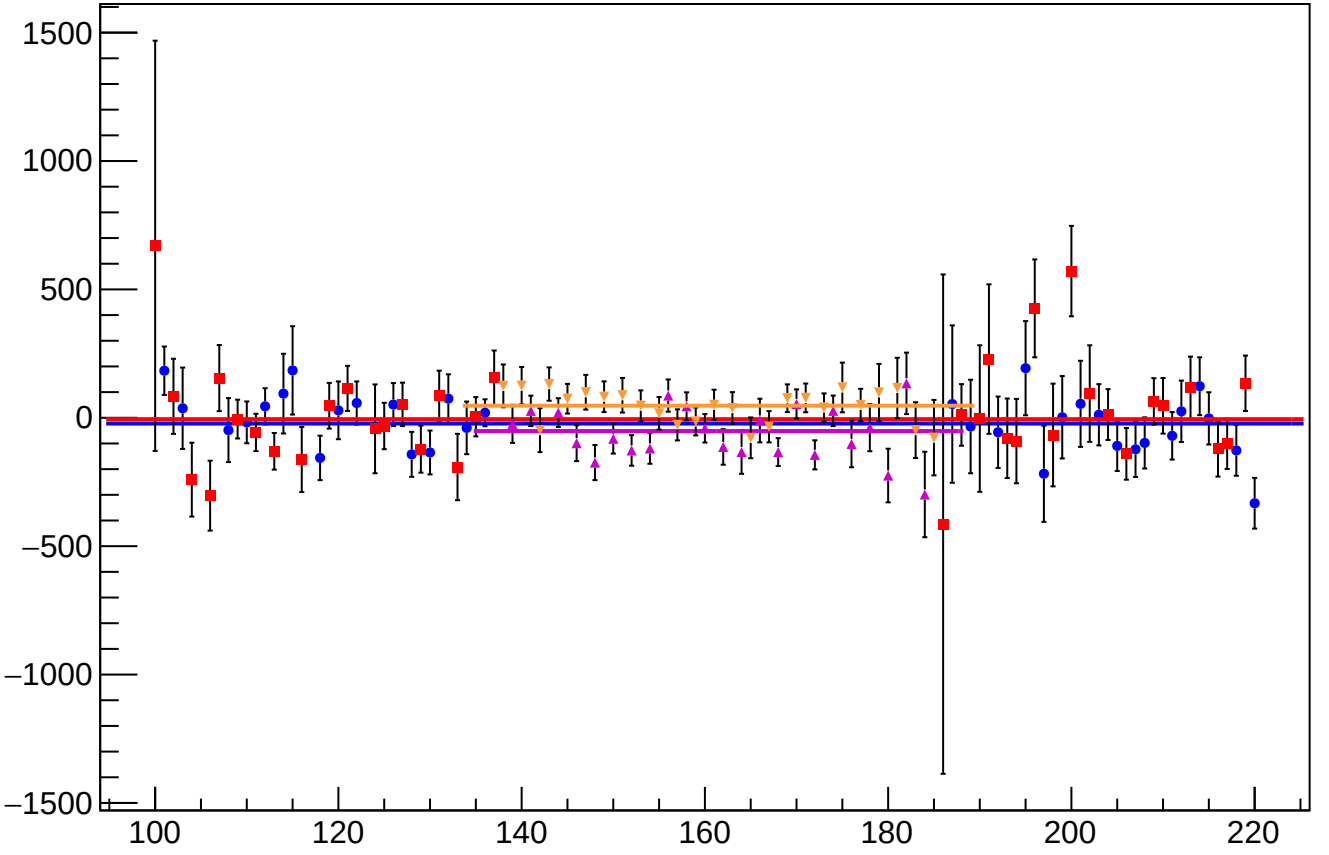
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 420.155+/-0.051 χ^2/NDF: 12666847.4/57

All: 420.983+/-0.036 χ^2/NDF: 26307081.7/11

- sign 421.845+/-0.052 χ^2/NDF: 13639697.6/59

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: -22.264+/-17.868 χ^2/NDF: 35.7/32

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -5.346+/-18.362 χ^2/NDF: 49.9/36

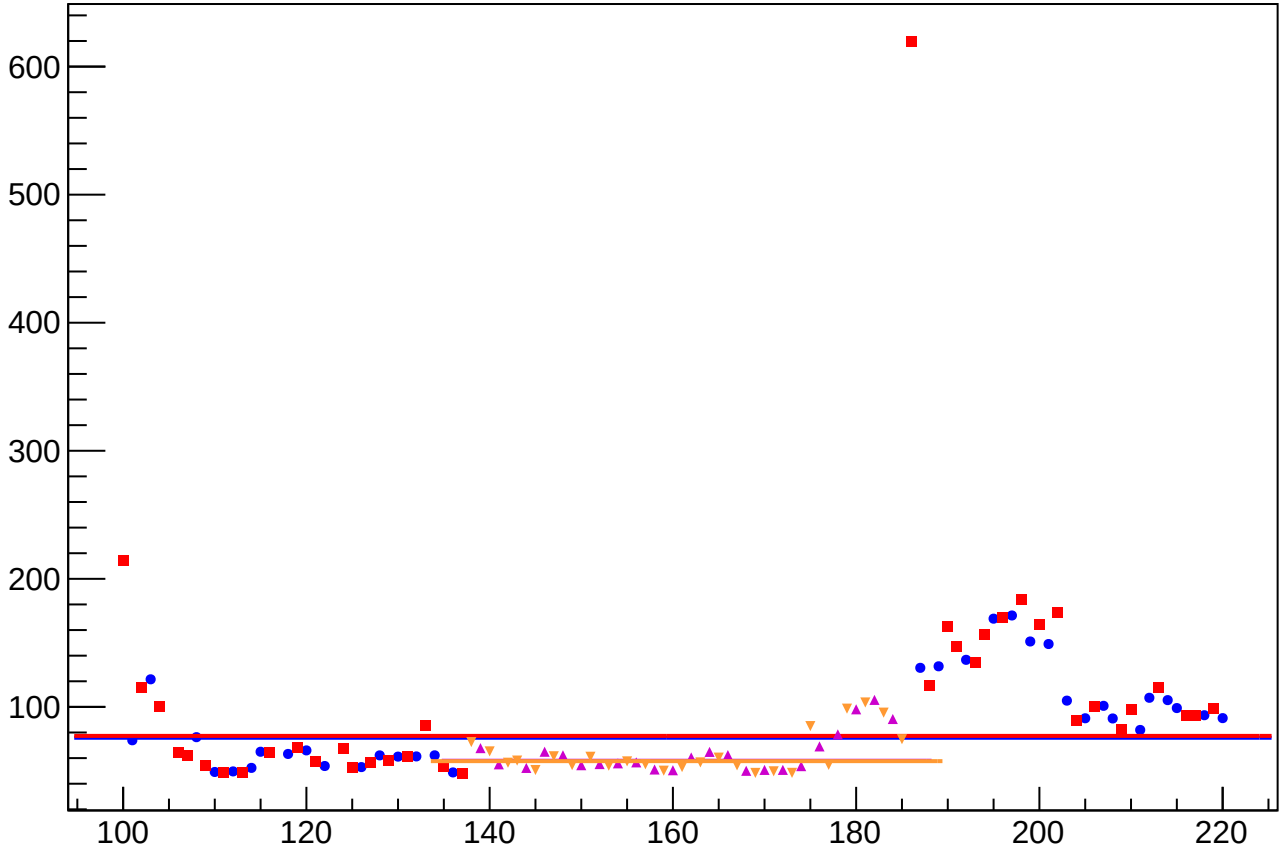
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 21.898+/-10.777 χ^2/NDF: 62.3/57

All: -5.581+/-7.732 χ^2/NDF: 167.9/117

- sign -34.730+/-11.100 χ^2/NDF: 92.1/59

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 75.907+/-0.013 χ^2/NDF: 5088720.8/32

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

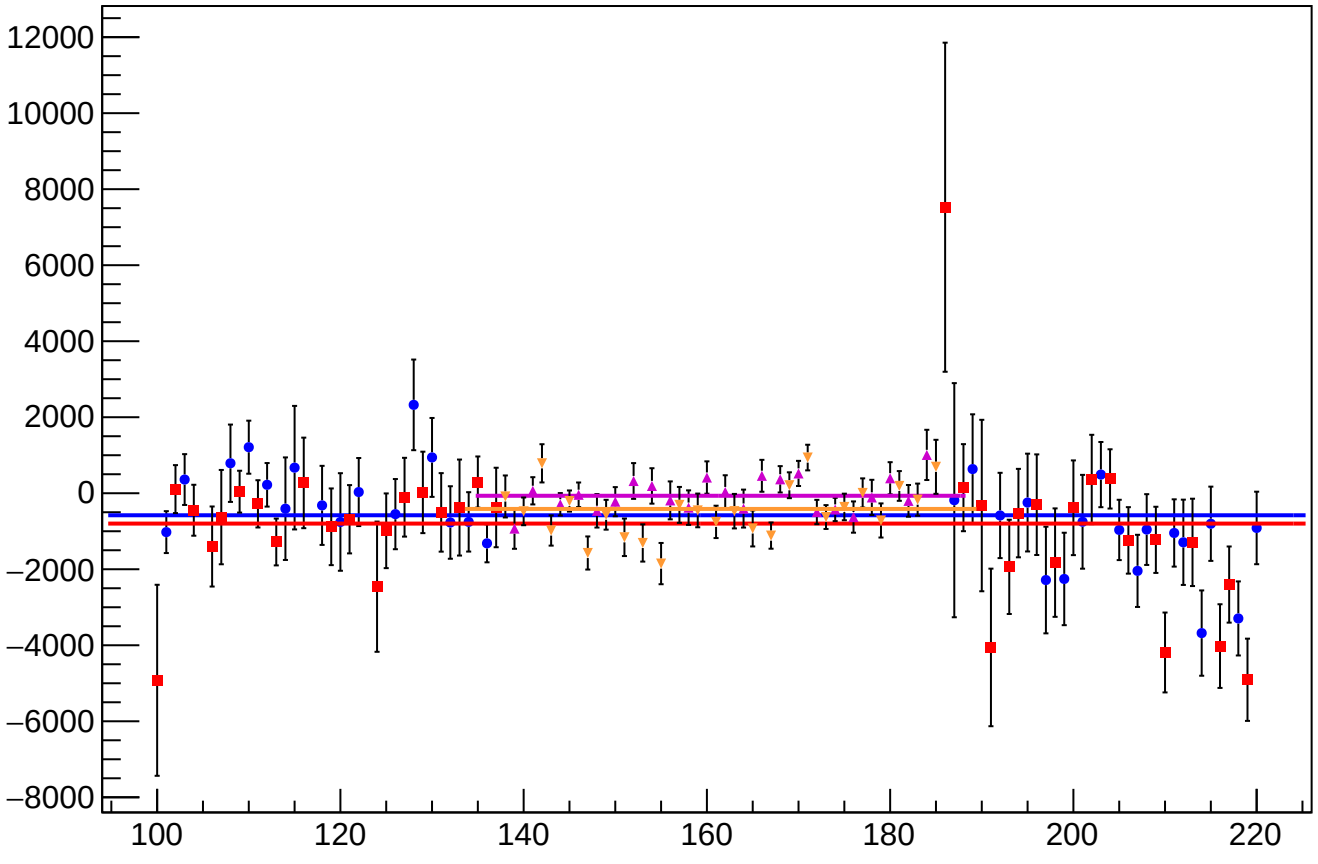
Right Out: 77.356+/-0.013 χ^2/NDF: 6515147.0/36

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 64.280+/-0.008 χ^2/NDF: 7785389.4/57

All: 64.646+/-0.005 χ^2/NDF: 16848801.3/117

- sign 65.035+/-0.008 χ^2/NDF: 9058647.5/59



Right In: -579.528+/-158.211 χ^2/NDF: 49.3/32

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

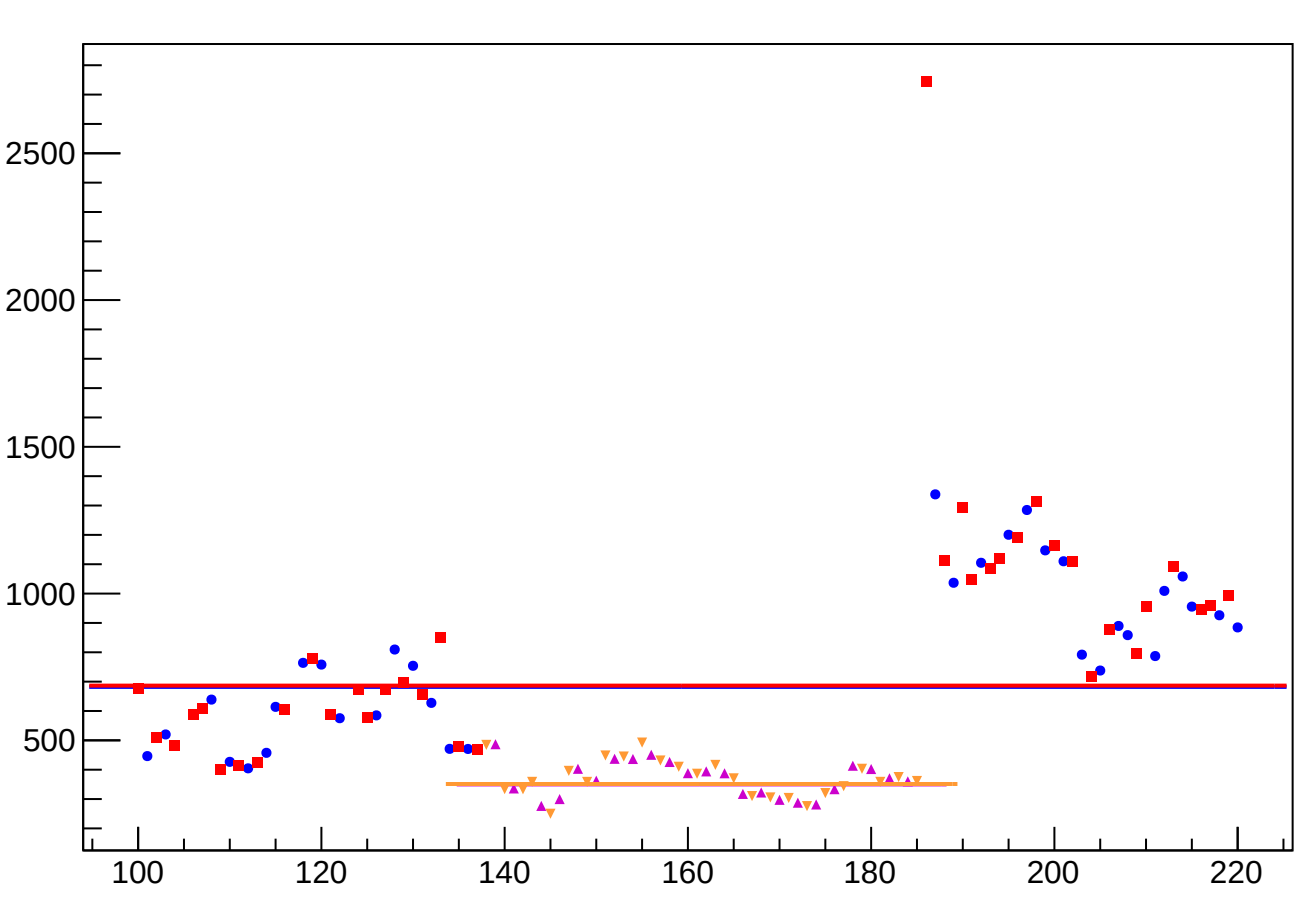
Right Out: -798.517+/-159.231 χ^2/NDF: 63.3/36

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -447.717+/-72.195 χ^2/NDF: 111.5/57

All: -337.736+/-51.559 χ^2/NDF: 219.0/117

- sign -223.250+/-73.658 χ^2/NDF: 102.8/59



Right In: 682.111+/-0.112 χ^2/NDF: 4623739.4/32

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 686.430+/-0.113 χ^2/NDF: 5623794.2/36

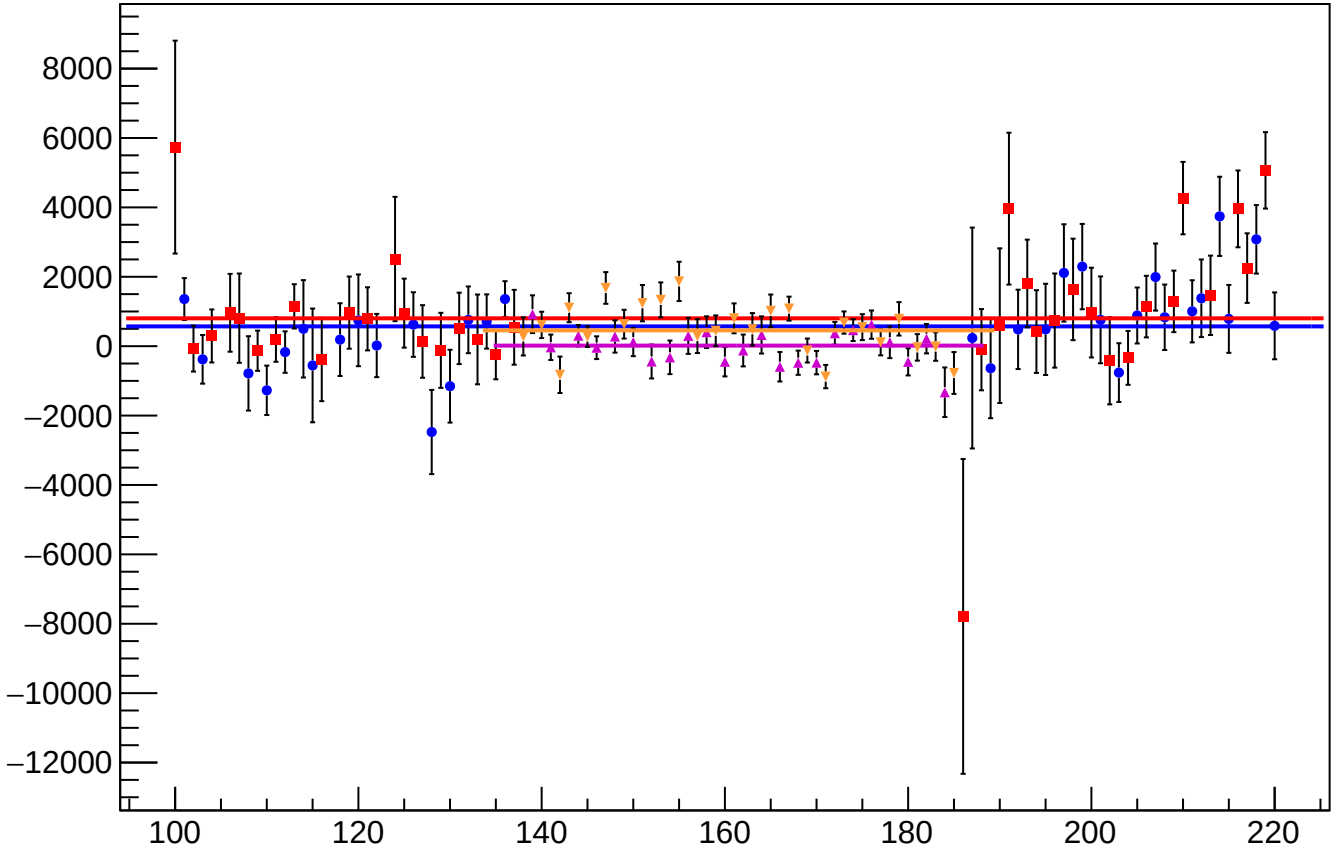
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 420.155+/-0.051 χ^2/NDF: 12666841.9/57

All: 420.983+/-0.036 χ^2/NDF: 26307056.5/1

- sign 421.844+/-0.052 χ^2/NDF: 13639677.8/59

asym_sam_1357_avg_mean vs Slug



Right In: 570.343+/-162.117 χ^2/NDF: 49.5/32

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 802.717+/-164.522 χ^2/NDF: 61.7/36

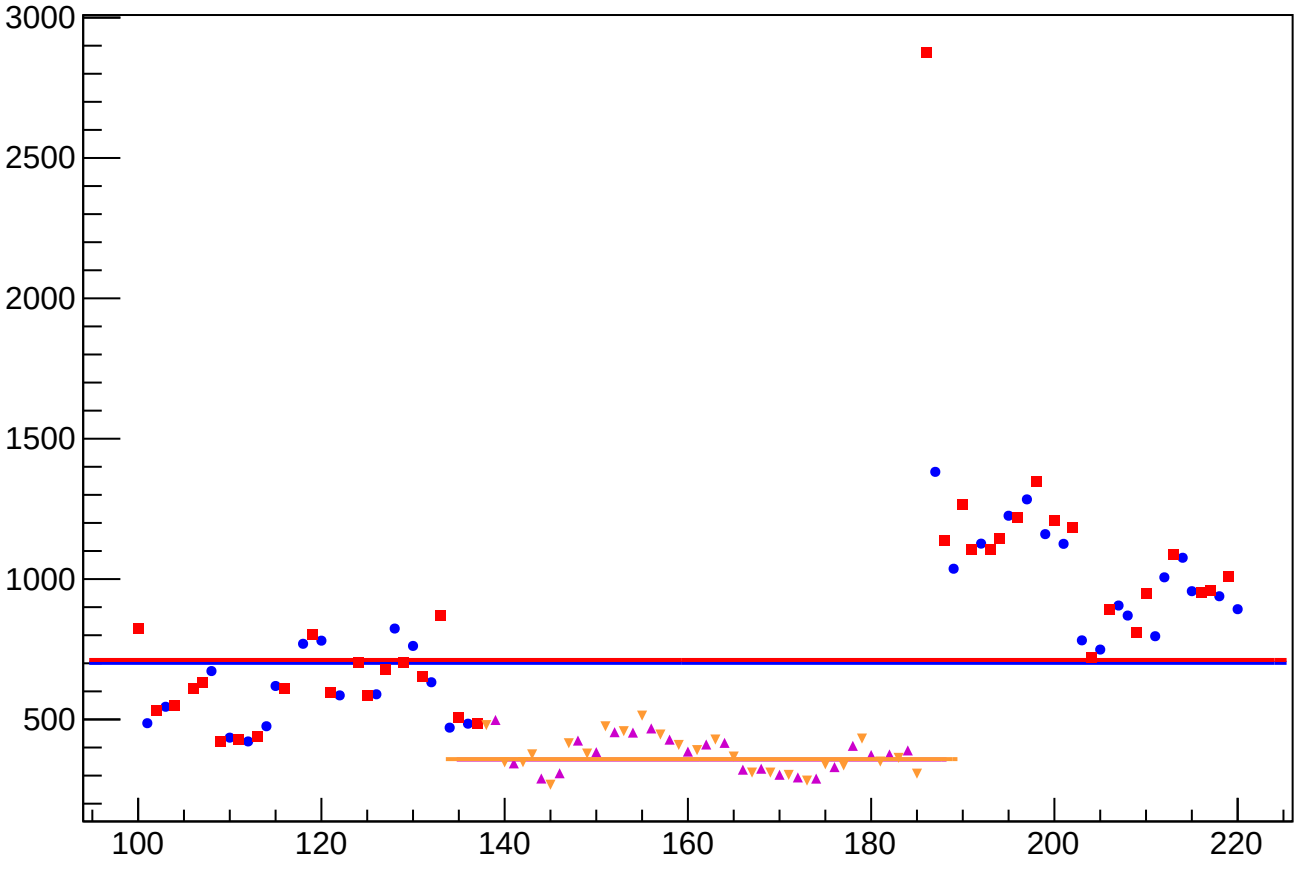
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 479.122+/-73.852 χ^2/NDF: 110.8/57

All: 333.288+/-52.759 χ^2/NDF: 223.3/117

- sign 181.287+/-75.398 χ^2/NDF: 104.6/59

asym_sam_1357_avg_rms vs Slug



Right In: 701.611+/-0.115 χ^2/NDF: 4313644.6/32

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

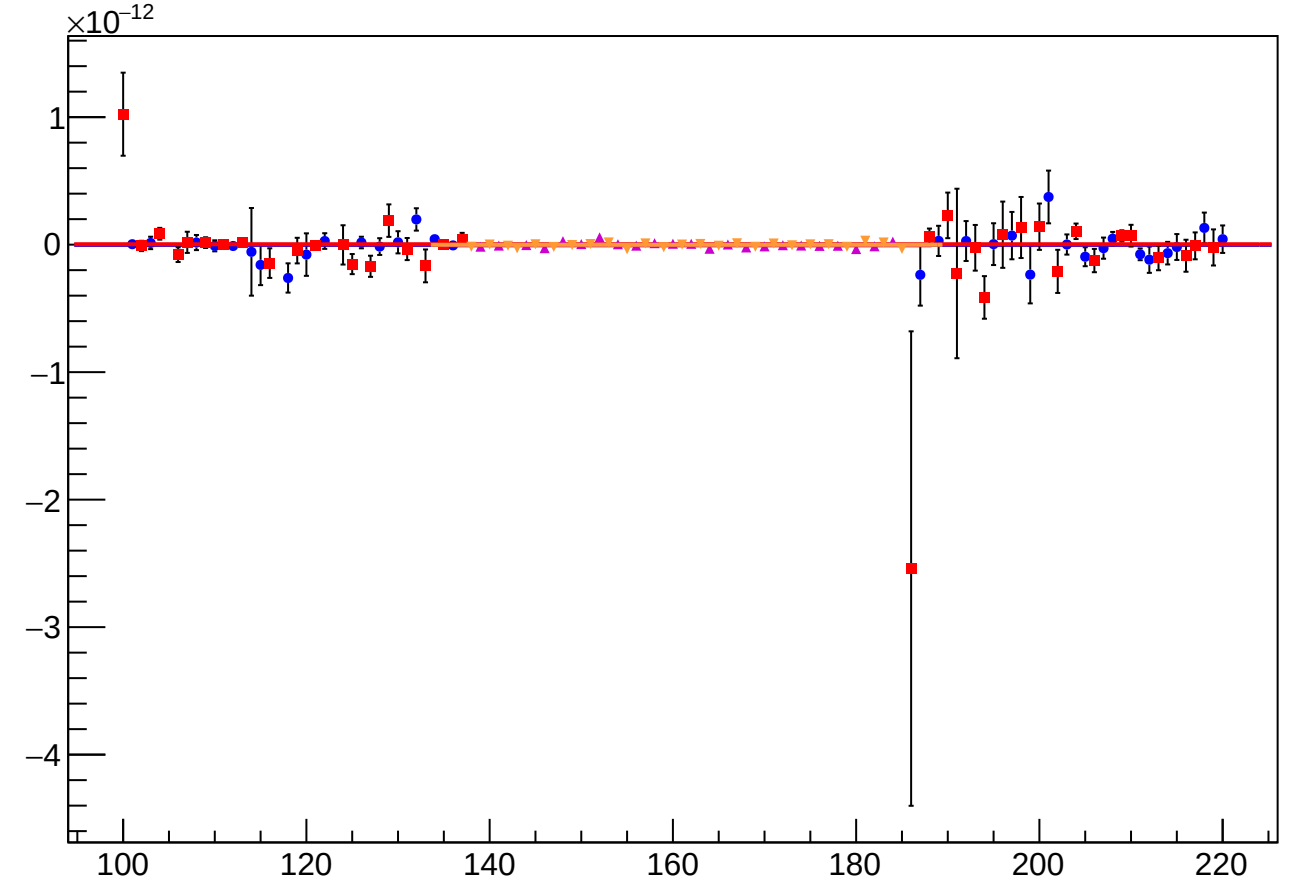
Right Out: 711.886+/-0.116 χ^2/NDF: 5300301.4/36

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 429.845+/-0.052 χ^2/NDF: 12525402.2/57

All: 430.743+/-0.037 χ^2/NDF: 26151832.5/11

- sign 431.678+/-0.053 χ^2/NDF: 13625826.6/59



Right In: -0.000+/-0.000 χ^2/NDF: 27.6/32

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

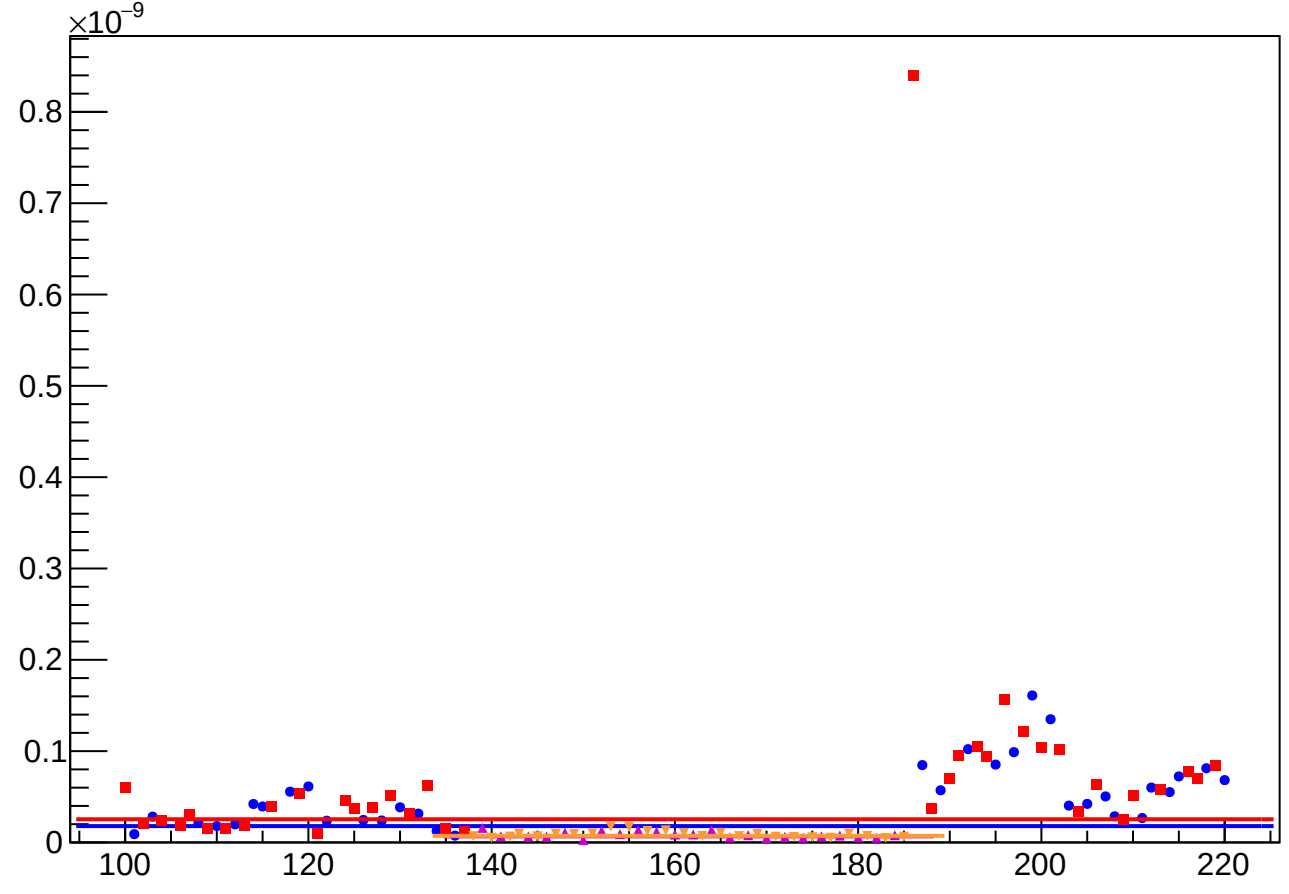
Right Out: 0.000+/-0.000 χ^2/NDF: 52.8/36

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.8/57

All: -0.000+/-0.000 χ^2/NDF: 128.8/117

- sign -0.000+/-0.000 χ^2/NDF: 81.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 8577701.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6682108.8/36

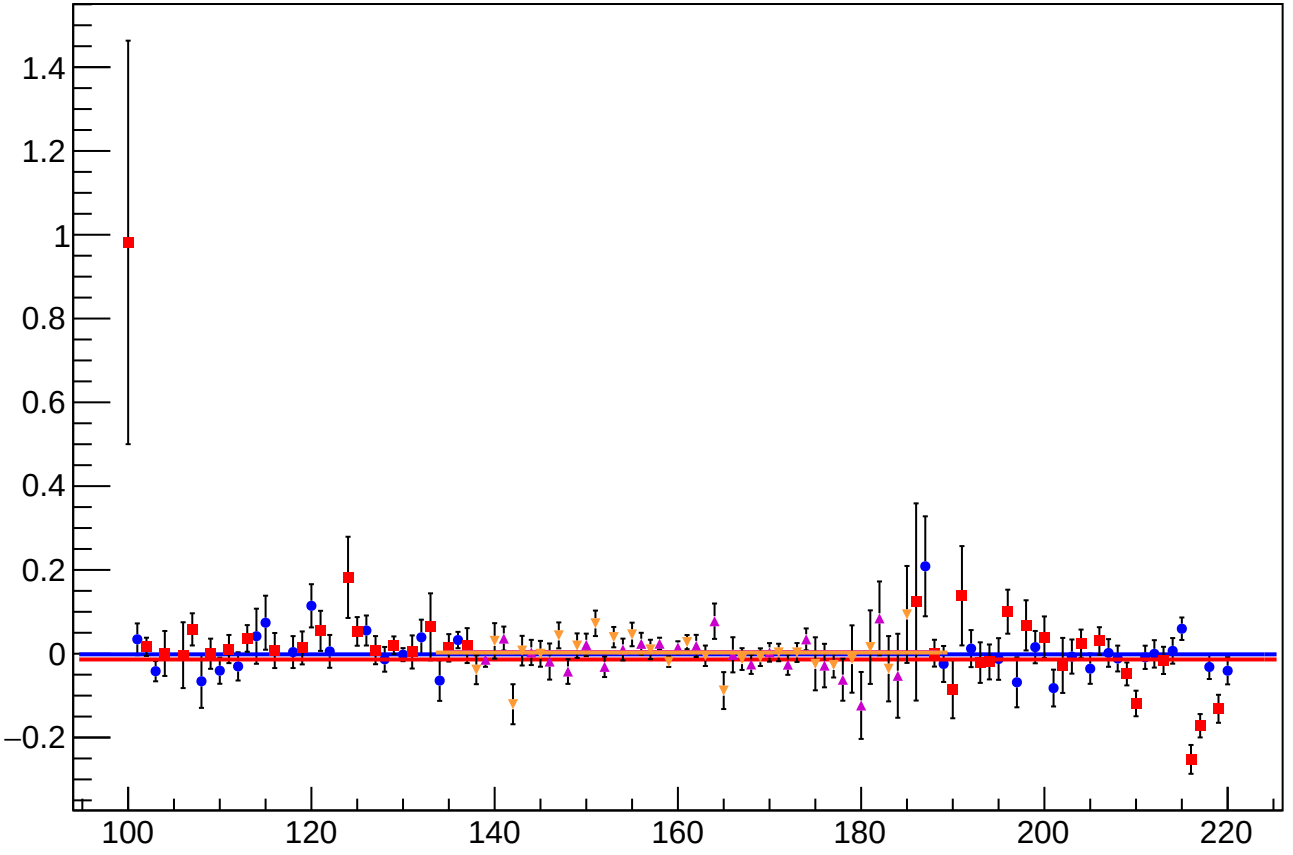
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 12901005.0/57

All: 0.000+/-0.000 χ^2/NDF: 27011576.5/117

- sign 0.000+/-0.000 χ^2/NDF: 14077275.5/59

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 39.5/32

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.014+/-0.006 χ^2/NDF: 149.4/36

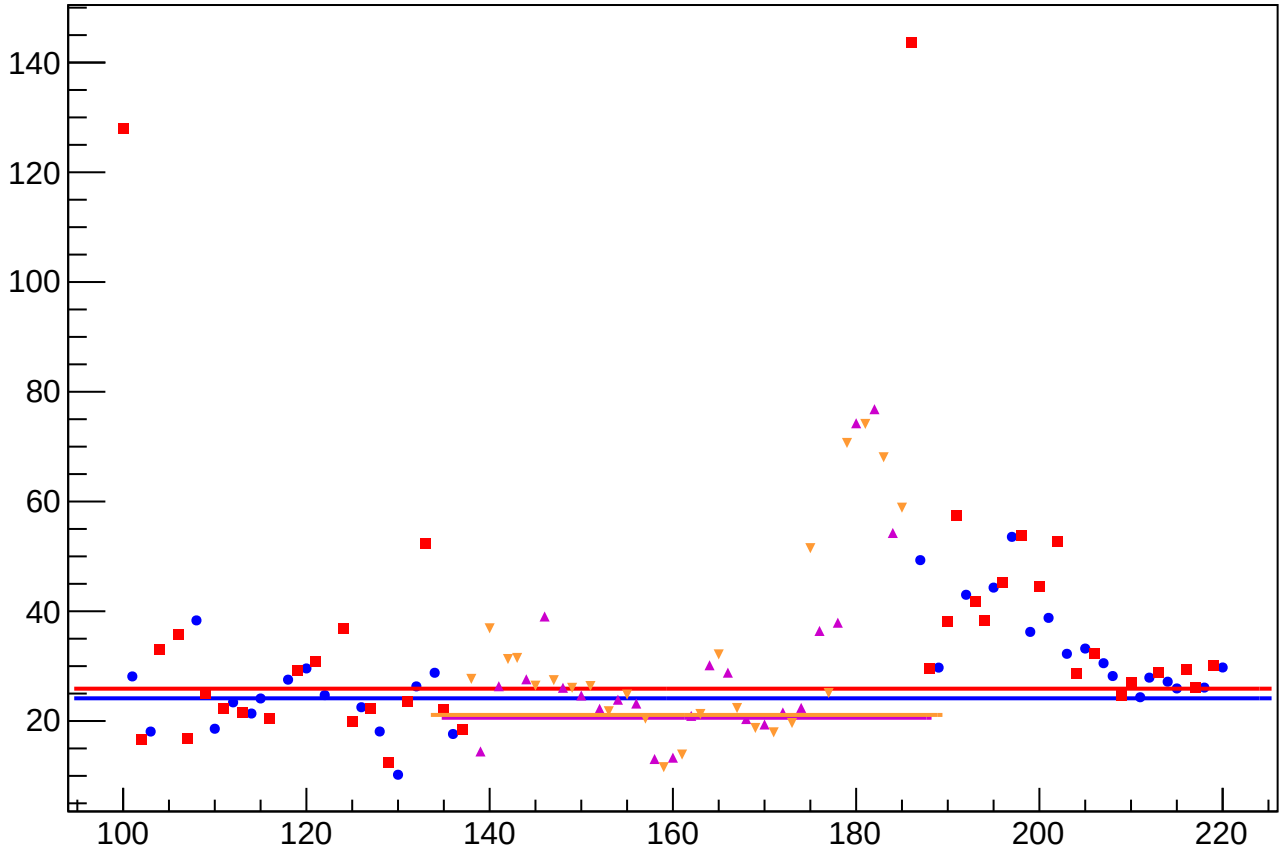
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 72.6/57

All: -0.001+/-0.003 χ^2/NDF: 251.8/117

- sign -0.004+/-0.004 χ^2/NDF: 178.6/59

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 24.136+/-0.004 χ^2/NDF: 4447464.8/32

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

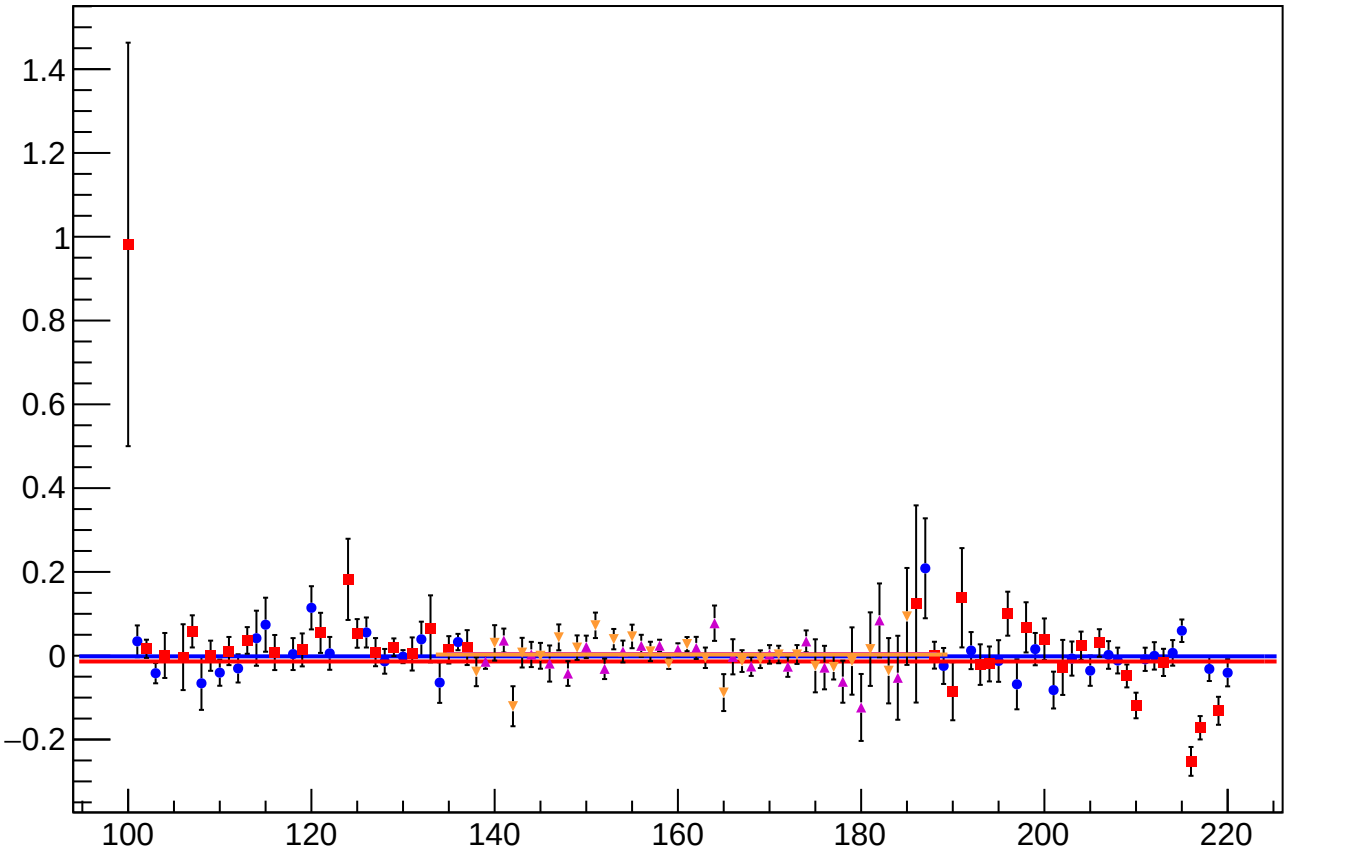
Right Out: 25.892+/-0.004 χ^2/NDF: 4626049.8/36

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.526+/-0.003 χ^2/NDF: 10282527.3/57

All: 22.698+/-0.002 χ^2/NDF: 20337798.8/117

- sign 22.881+/-0.003 χ^2/NDF: 10047505.4/59



Right In: -0.002+/-0.006 χ^2/NDF: 39.5/32

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: -0.014+/-0.006 χ^2/NDF: 149.4/36

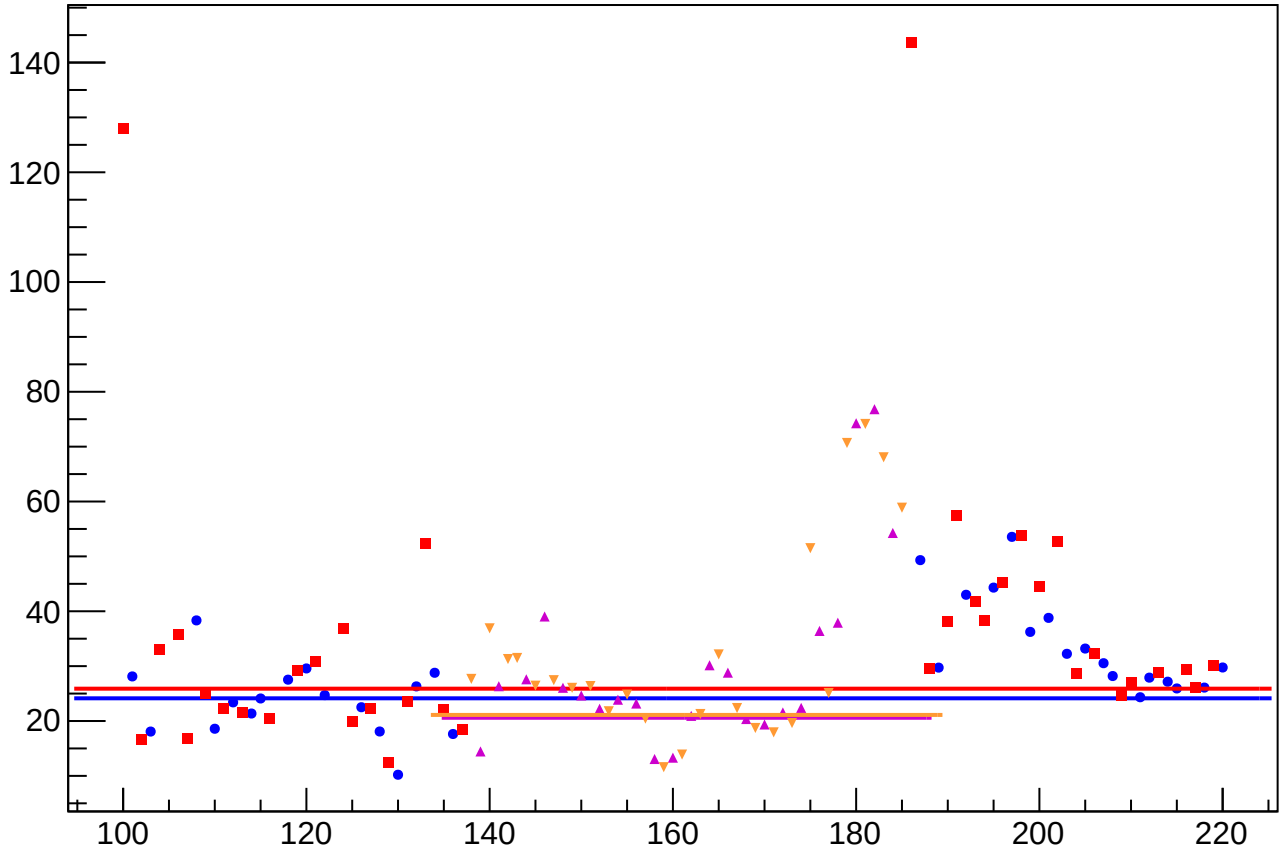
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 72.6/57

All: -0.001+/-0.003 χ^2/NDF: 251.8/117

- sign -0.004+/-0.004 χ^2/NDF: 178.6/59

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 24.136+/-0.004 χ^2/NDF: 4447464.8/32

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

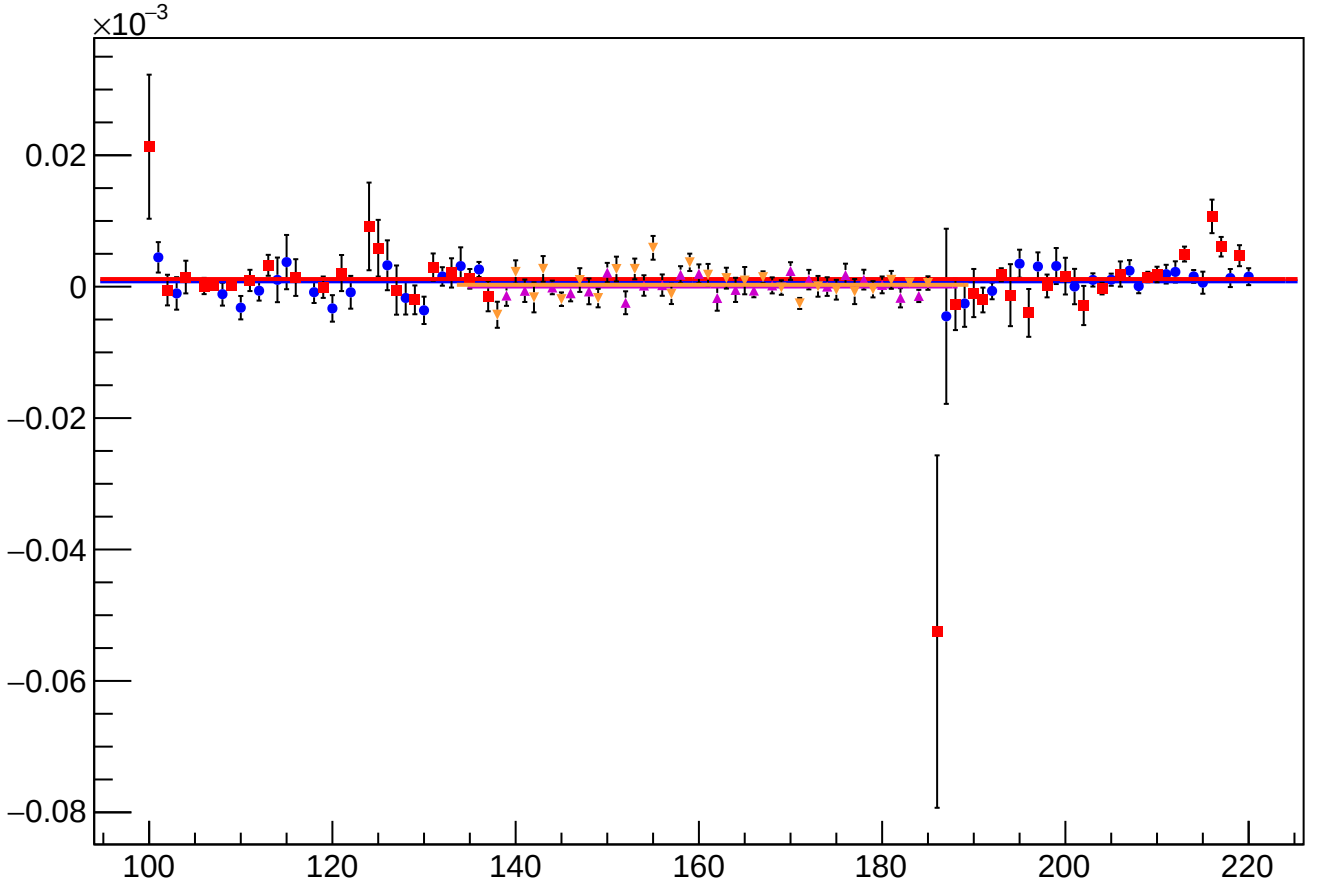
Right Out: 25.892+/-0.004 χ^2/NDF: 4626049.8/36

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 22.526+/-0.003 χ^2/NDF: 10282527.3/57

All: 22.698+/-0.002 χ^2/NDF: 20337798.8/117

- sign 22.881+/-0.003 χ^2/NDF: 10047505.4/59



Right In: 0.000+/-0.000 χ^2/NDF: 35.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

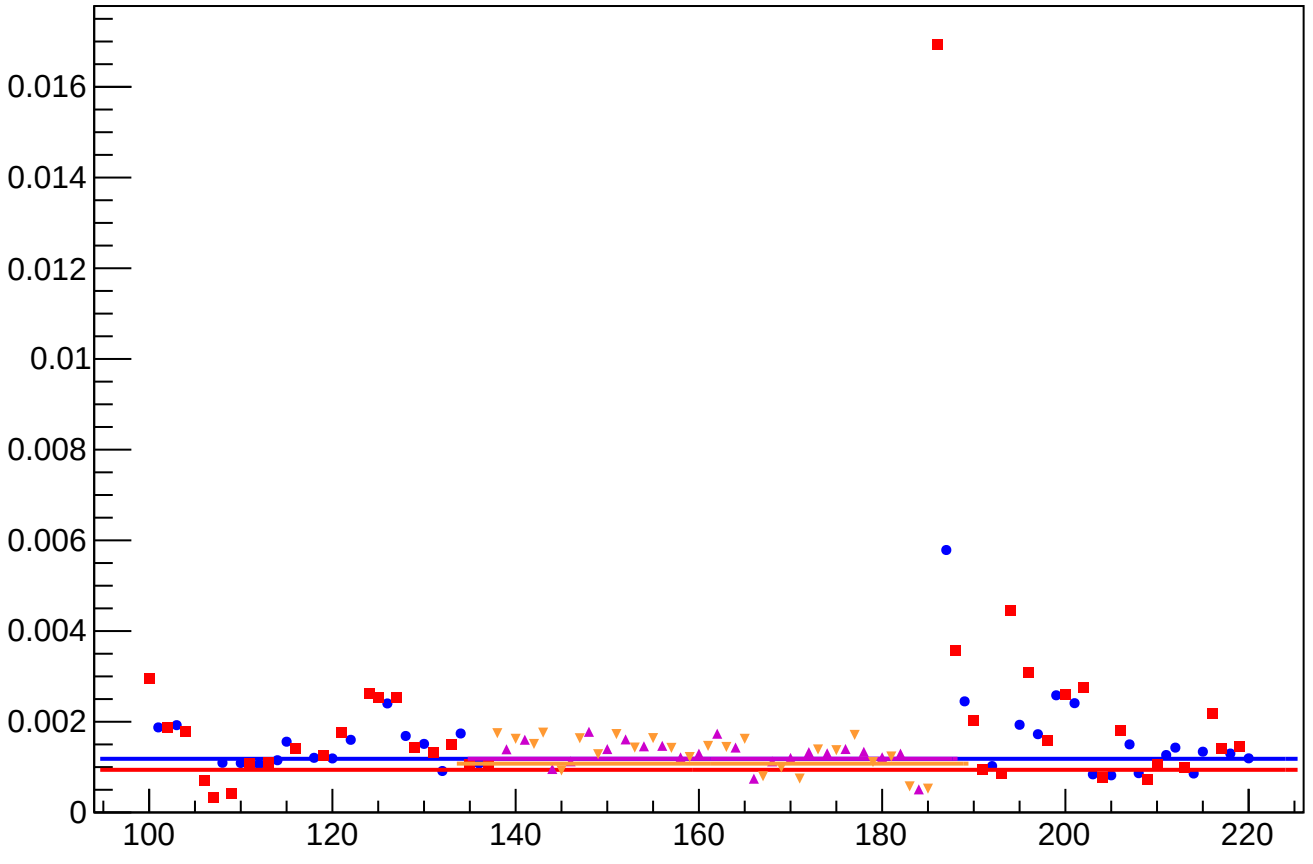
Right Out: 0.000+/-0.000 χ^2/NDF: 76.5/36

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 90.1/57

All: 0.000+/-0.000 χ^2/NDF: 195.7/117

- sign 0.000+/-0.000 χ^2/NDF: 105.2/59



Right In: 0.001+/-0.000 χ^2/NDF: 3896277.6/32

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 12112880.5/36

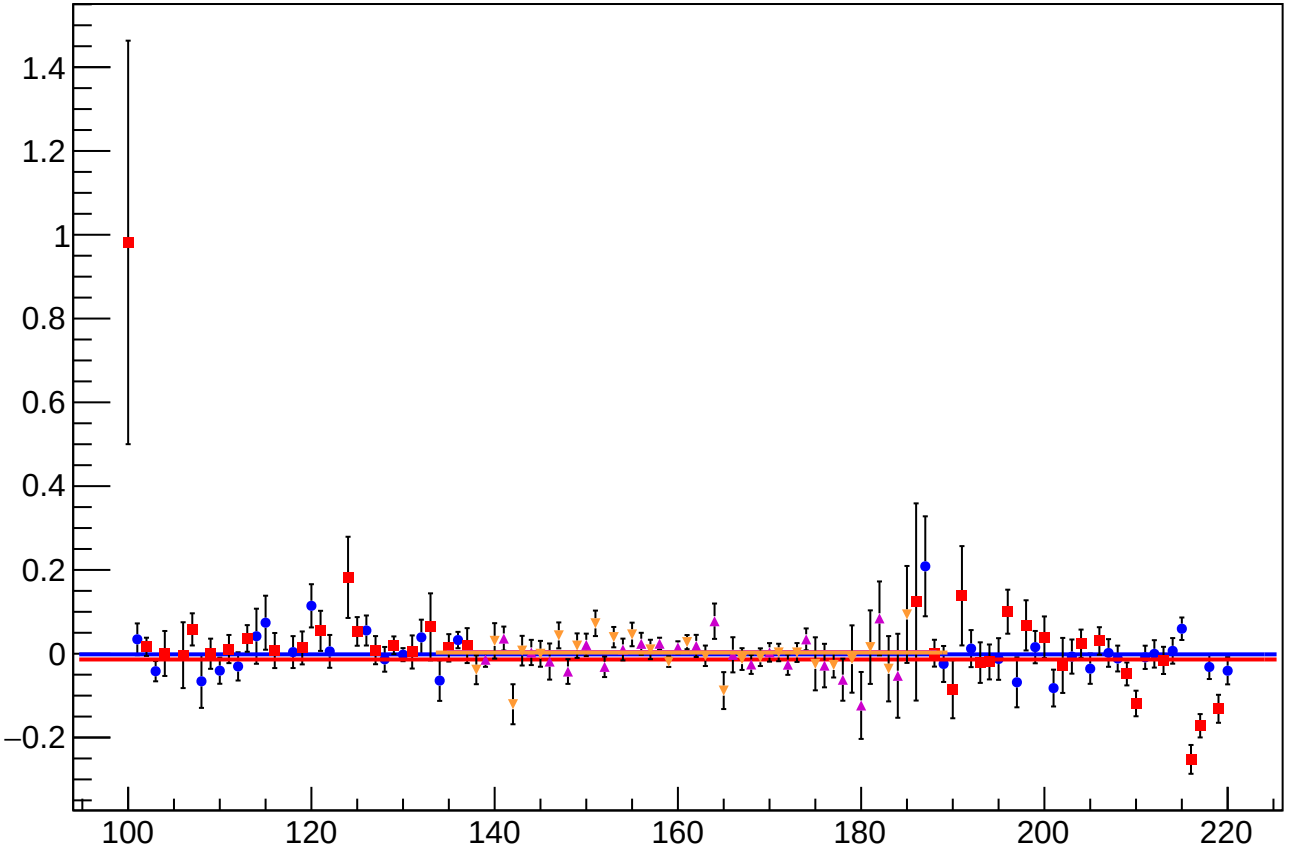
Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 8593857.8/57

All: 0.001+/-0.000 χ^2/NDF: 24182961.4/117

- sign 0.001+/-0.000 χ^2/NDF: 15399747.9/59

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 39.5/32

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

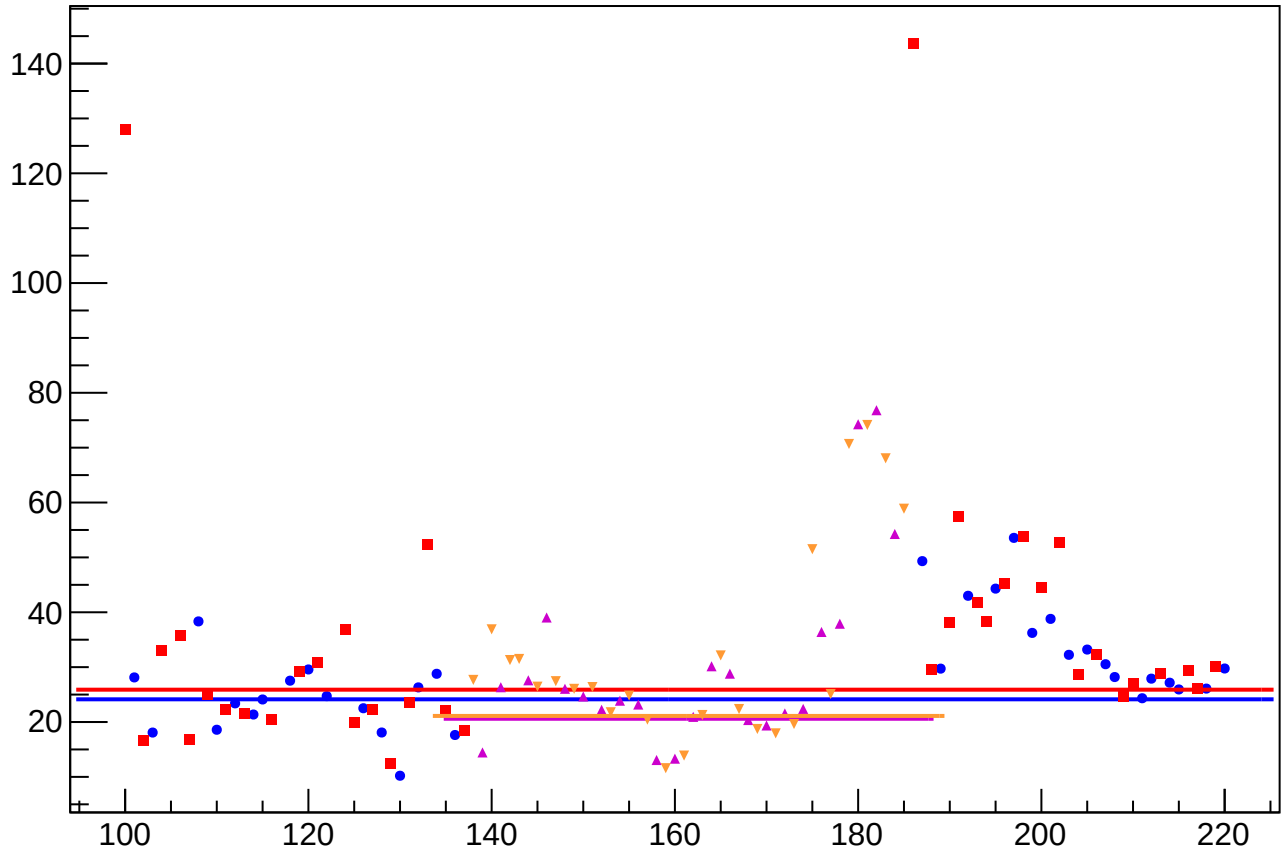
Right Out: -0.014+/-0.006 χ^2/NDF: 149.4/36

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 72.6/57

All: -0.001+/-0.003 χ^2/NDF: 251.8/117

- sign -0.004+/-0.004 χ^2/NDF: 178.6/59



Right In: 24.136+/-0.004 χ^2/NDF: 4447145.9/32

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

Right Out: 25.892+/-0.004 χ^2/NDF: 4626004.7/36

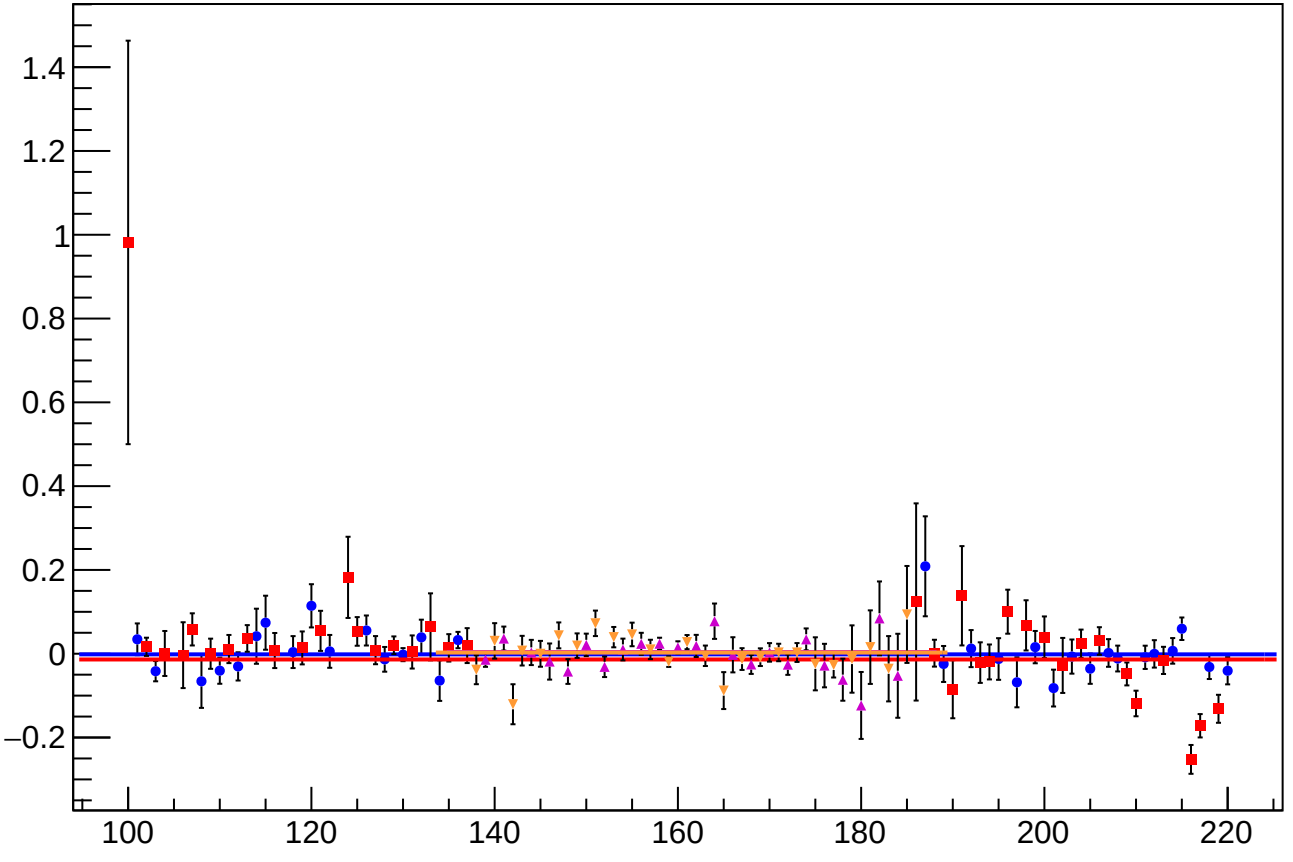
Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.526+/-0.003 χ^2/NDF: 10282390.0/57

All: 22.699+/-0.002 χ^2/NDF: 20337564.0/117

- sign 22.882+/-0.003 χ^2/NDF: 10047407.5/59

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.006 χ^2/NDF: 39.5/32

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

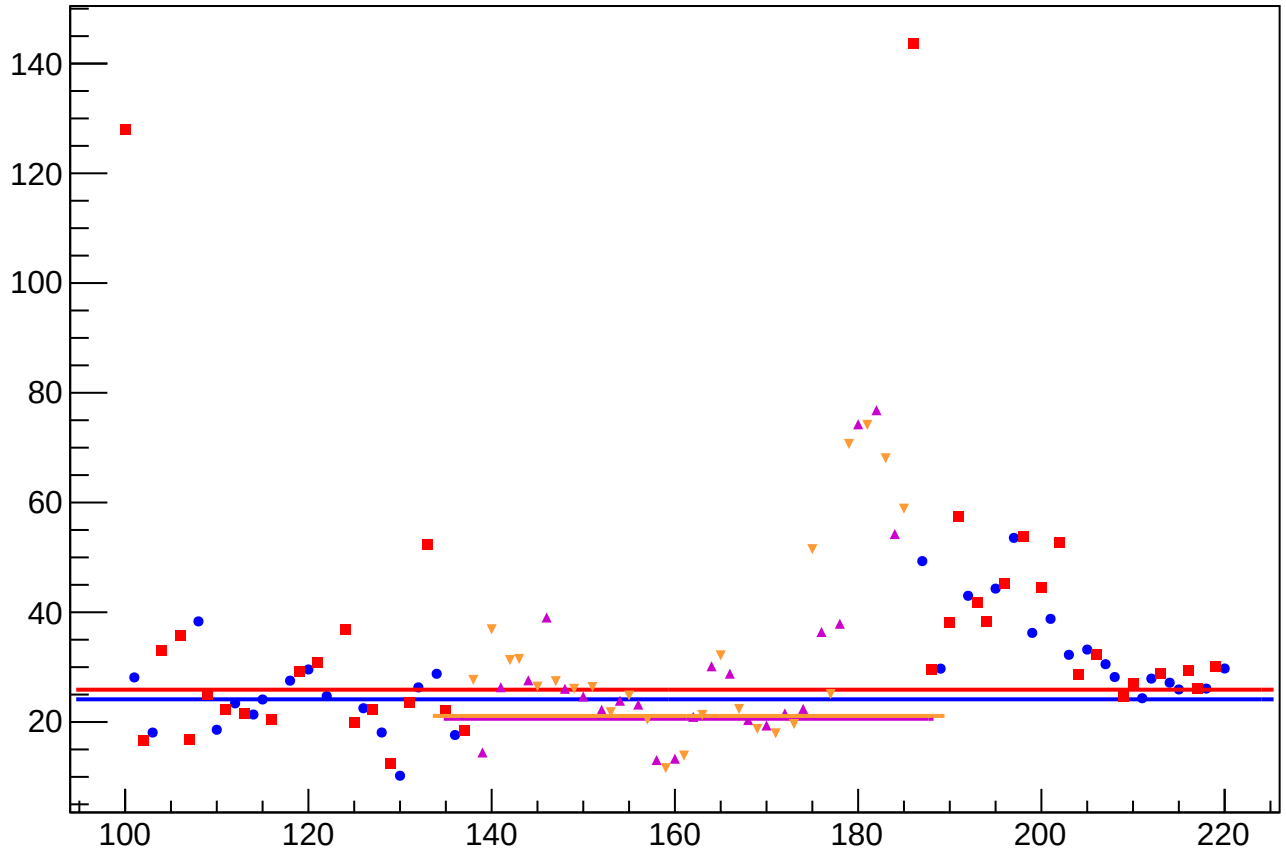
Right Out: -0.014+/-0.006 χ^2/NDF: 149.4/36

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 72.6/57

All: -0.001+/-0.003 χ^2/NDF: 251.8/117

- sign -0.004+/-0.004 χ^2/NDF: 178.6/59



Right In: 24.136+/-0.004 χ^2/NDF: 4447145.9/32

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

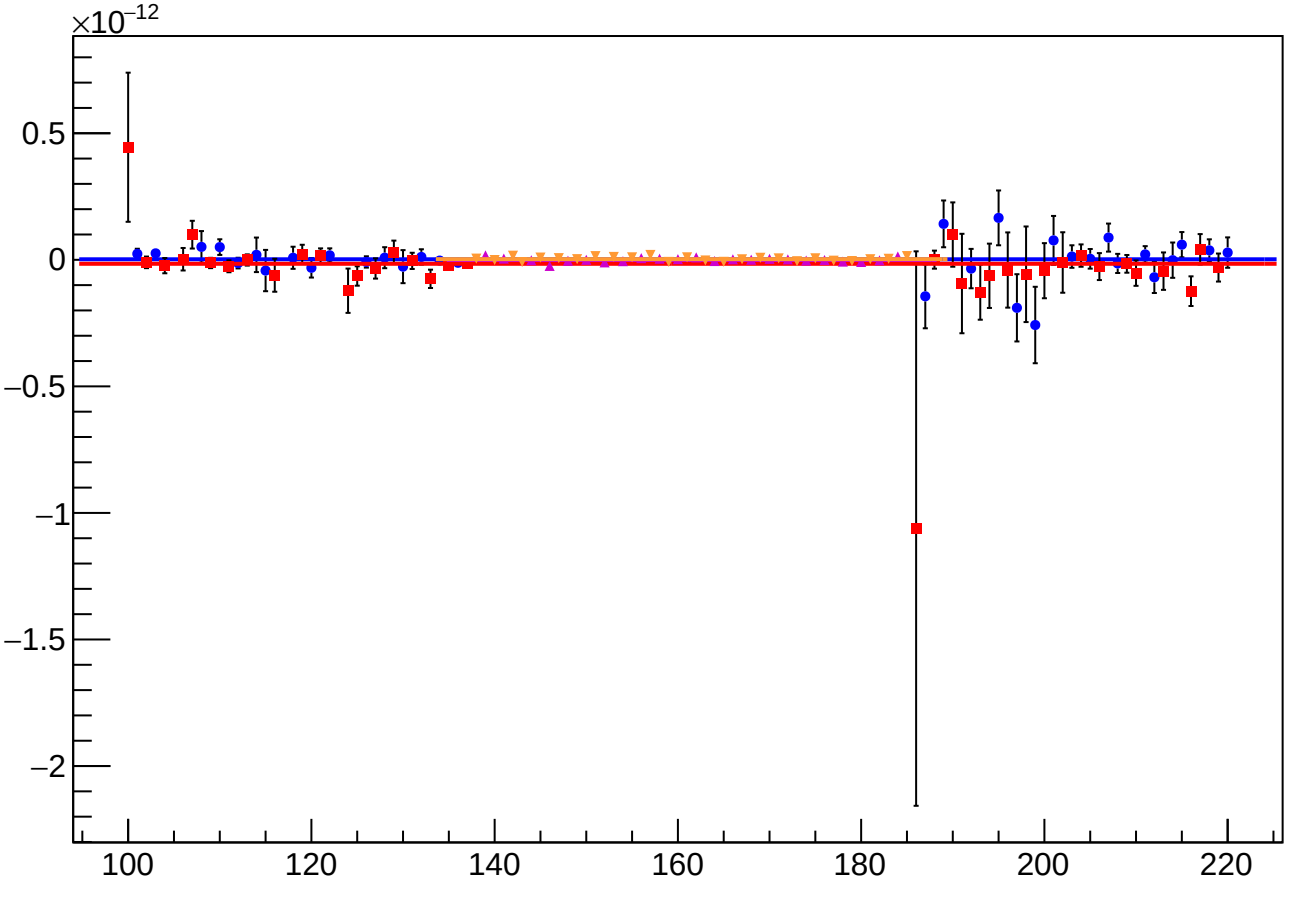
Right Out: 25.892+/-0.004 χ^2/NDF: 4626004.7/36

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 22.526+/-0.003 χ^2/NDF: 10282390.0/57

All: 22.699+/-0.002 χ^2/NDF: 20337564.0/117

- sign 22.882+/-0.003 χ^2/NDF: 10047407.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 28.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

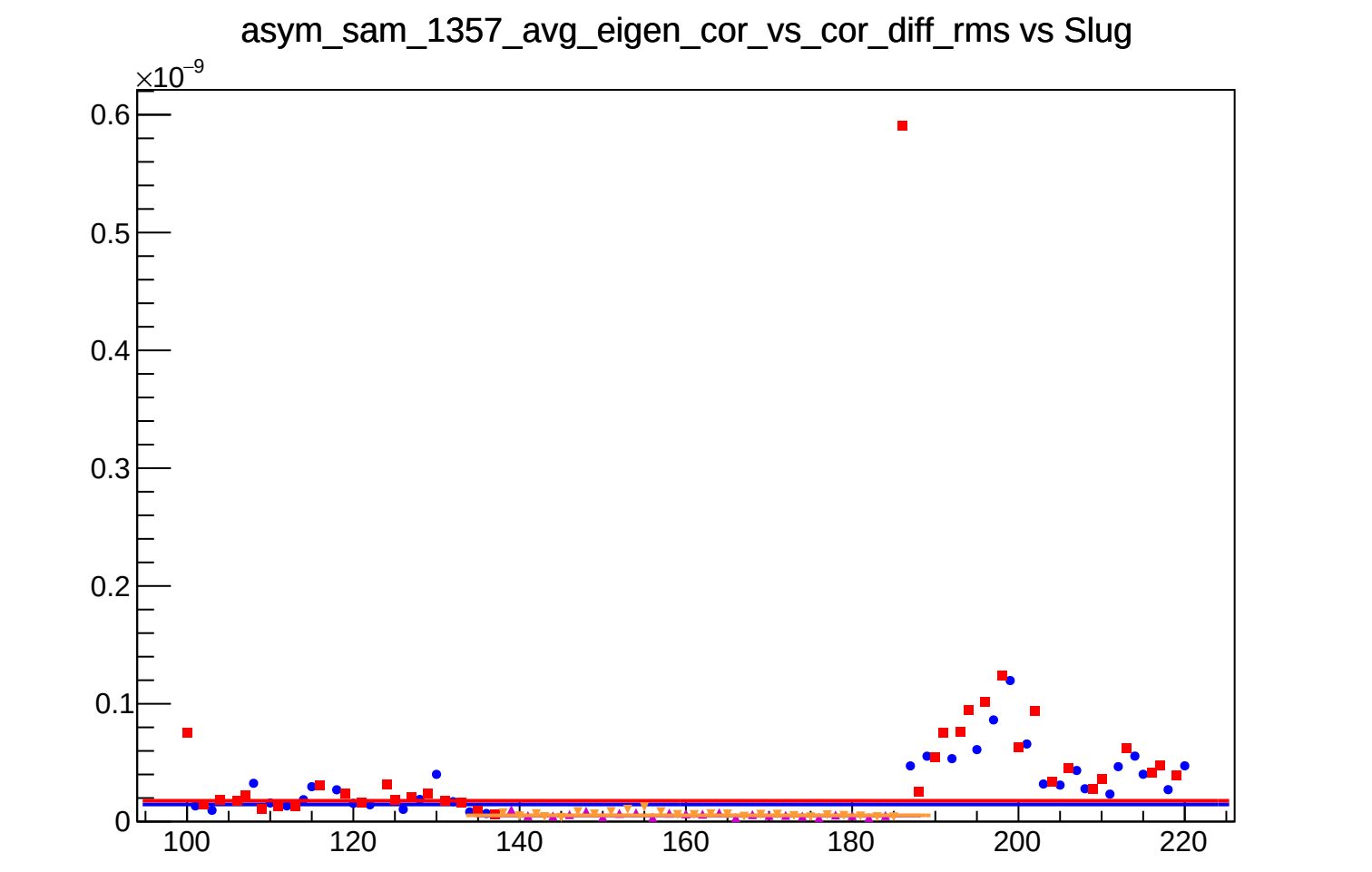
Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/36

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 49.6/57

All: 0.000+/-0.000 χ^2/NDF: 107.8/117

- sign -0.000+/-0.000 χ^2/NDF: 54.0/59



Right In: 0.000+/-0.000 χ^2/NDF: 10400633.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10063695.3/36

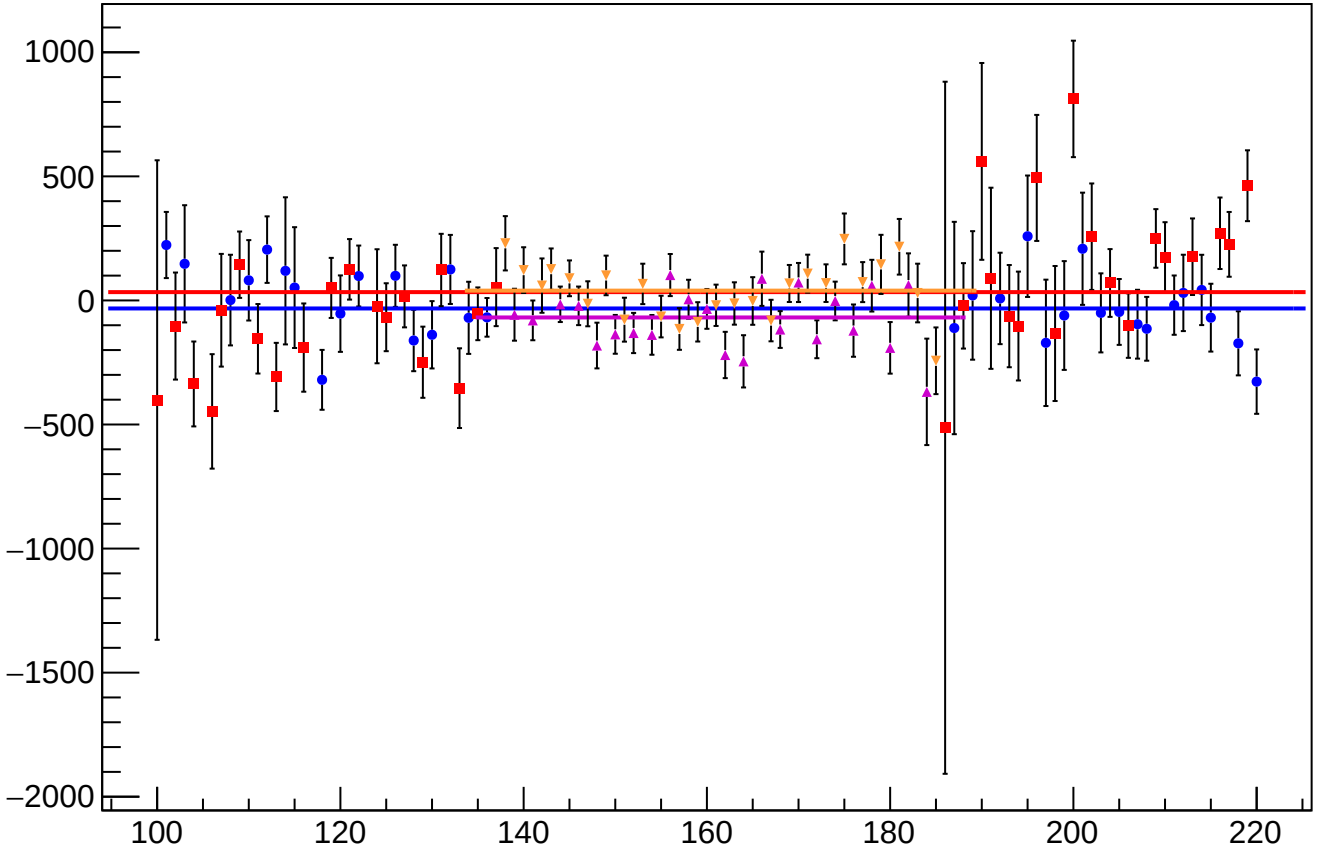
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 18337058.2/57

All: 0.000+/-0.000 χ^2/NDF: 38405979.8/117

- sign 0.000+/-0.000 χ^2/NDF: 20058393.2/59

reg_asym_sam_2468_avg_mean vs Slug



Right In: -32.384+/-25.678 χ^2/NDF: 30.0/32

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: 33.492+/-26.571 χ^2/NDF: 70.6/36

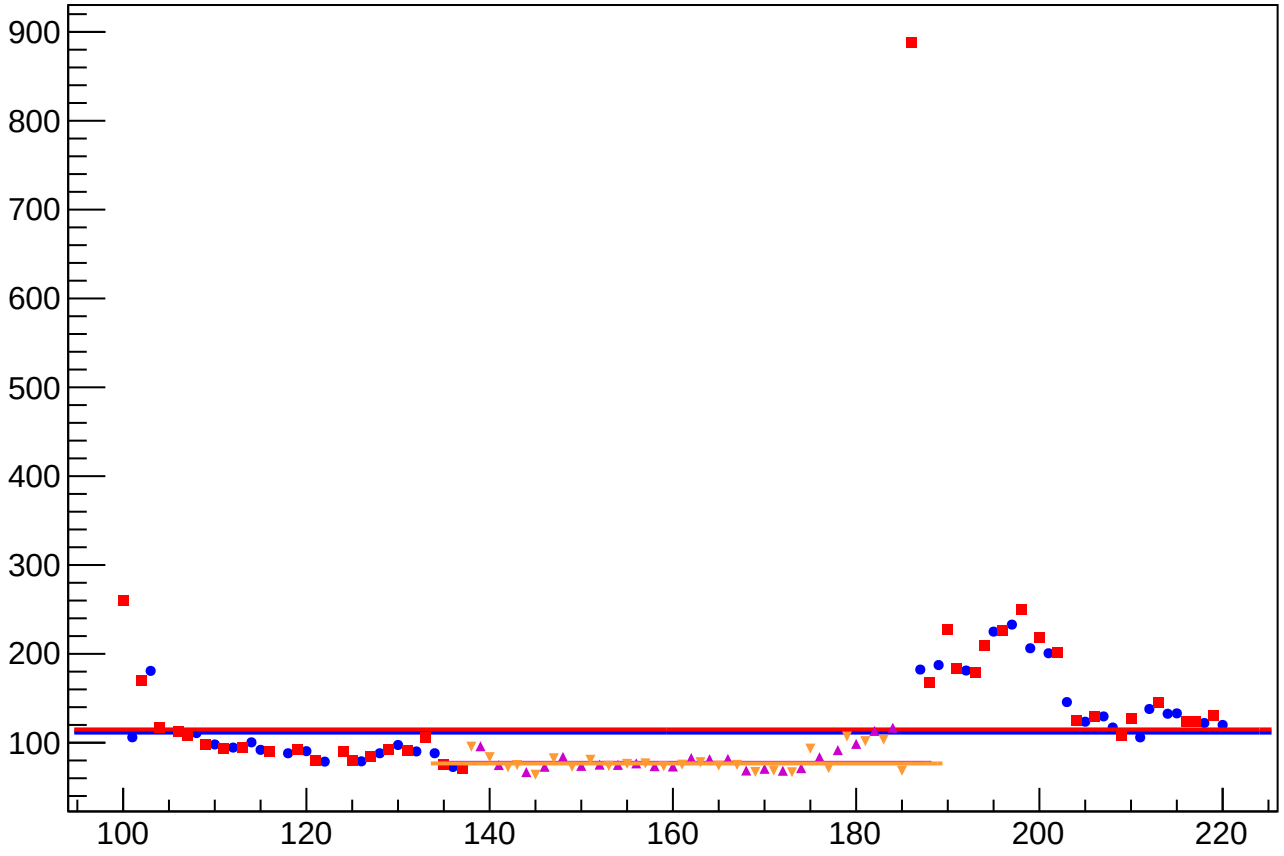
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 16.391+/-14.554 χ^2/NDF: 67.3/57

All: -8.742+/-10.473 χ^2/NDF: 183.1/117

- sign -35.727+/-15.081 χ^2/NDF: 109.7/59

reg_asym_sam_2468_avg_rms vs Slug



Right In: 111.388+/-0.018 χ^2/NDF: 3724115.2/32

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

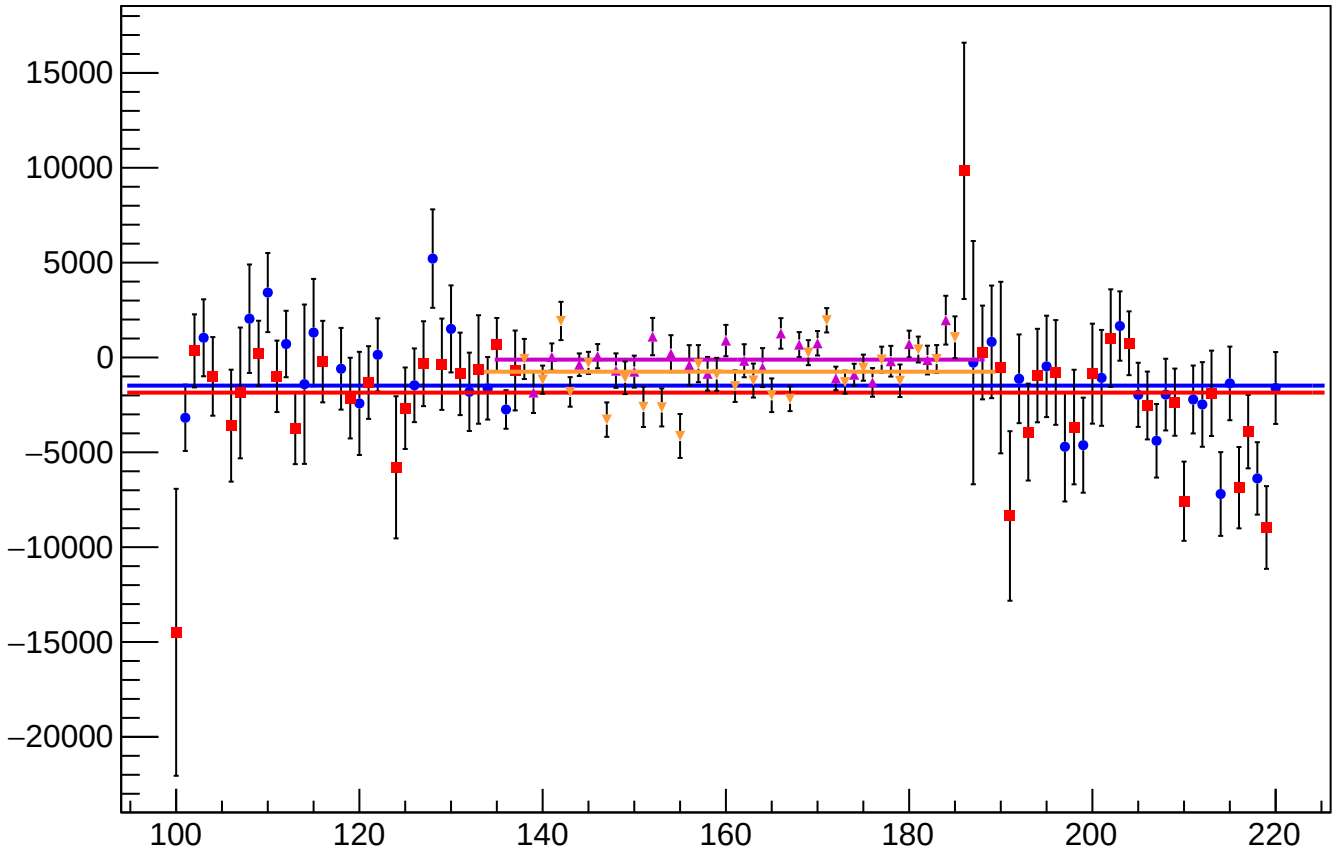
Right Out: 114.944+/-0.019 χ^2/NDF: 4767744.9/36

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 87.807+/-0.010 χ^2/NDF: 6863514.1/57

All: 88.604+/-0.007 χ^2/NDF: 14948116.7/117

- sign 89.459+/-0.011 χ^2/NDF: 8072183.3/59



Right In: -1483.505+/-356.839 χ^2/NDF: 45.6/32

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1852.153+/-369.982 χ^2/NDF: 50.0/36

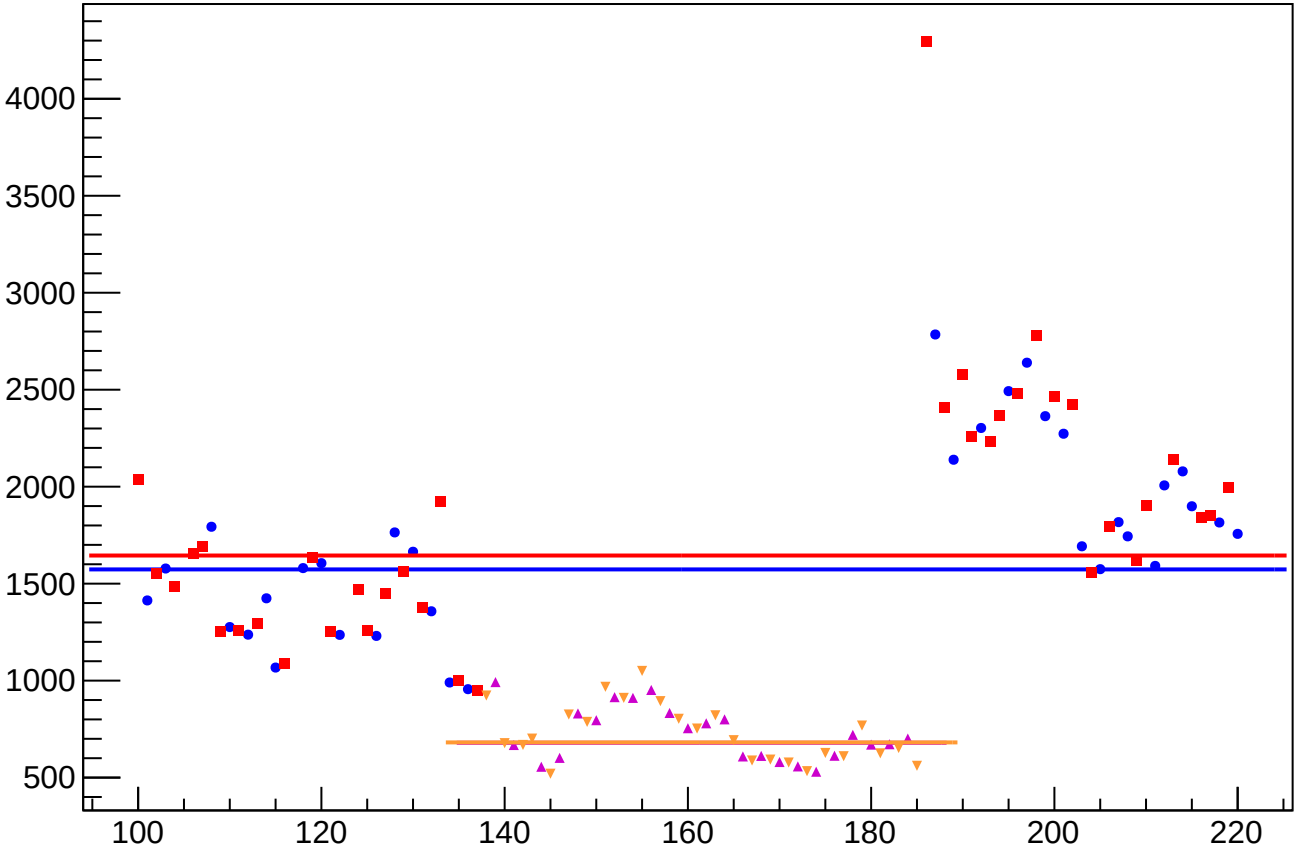
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -870.036+/-144.533 χ^2/NDF: 119.2/57

All: -637.529+/-103.490 χ^2/NDF: 218.1/117

- sign -392.907+/-148.251 χ^2/NDF: 93.6/59

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1573.424+/-0.252 χ^2/NDF: 2902798.9/32

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1645.048+/-0.262 χ^2/NDF: 3253496.5/36

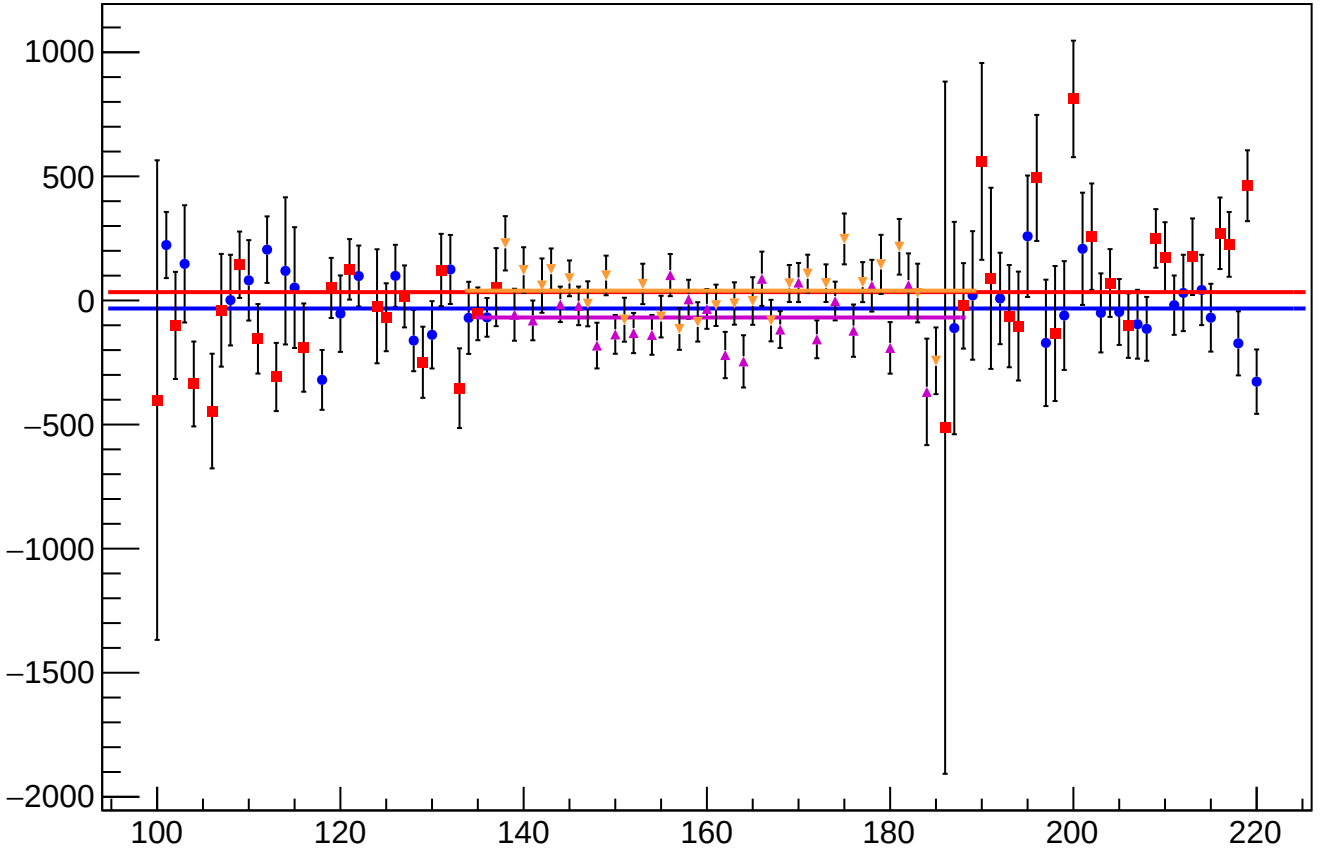
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 827.764+/-0.102 χ^2/NDF: 14683984.1/57

All: 831.024+/-0.073 χ^2/NDF: 30561079.5/11

- sign 834.454+/-0.105 χ^2/NDF: 15875007.2/59

cor_asym_sam_2468_avg_mean vs Slug



Right In: -32.391+/-25.678 χ^2/NDF: 30.0/32

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: 33.580+/-26.572 χ^2/NDF: 70.6/36

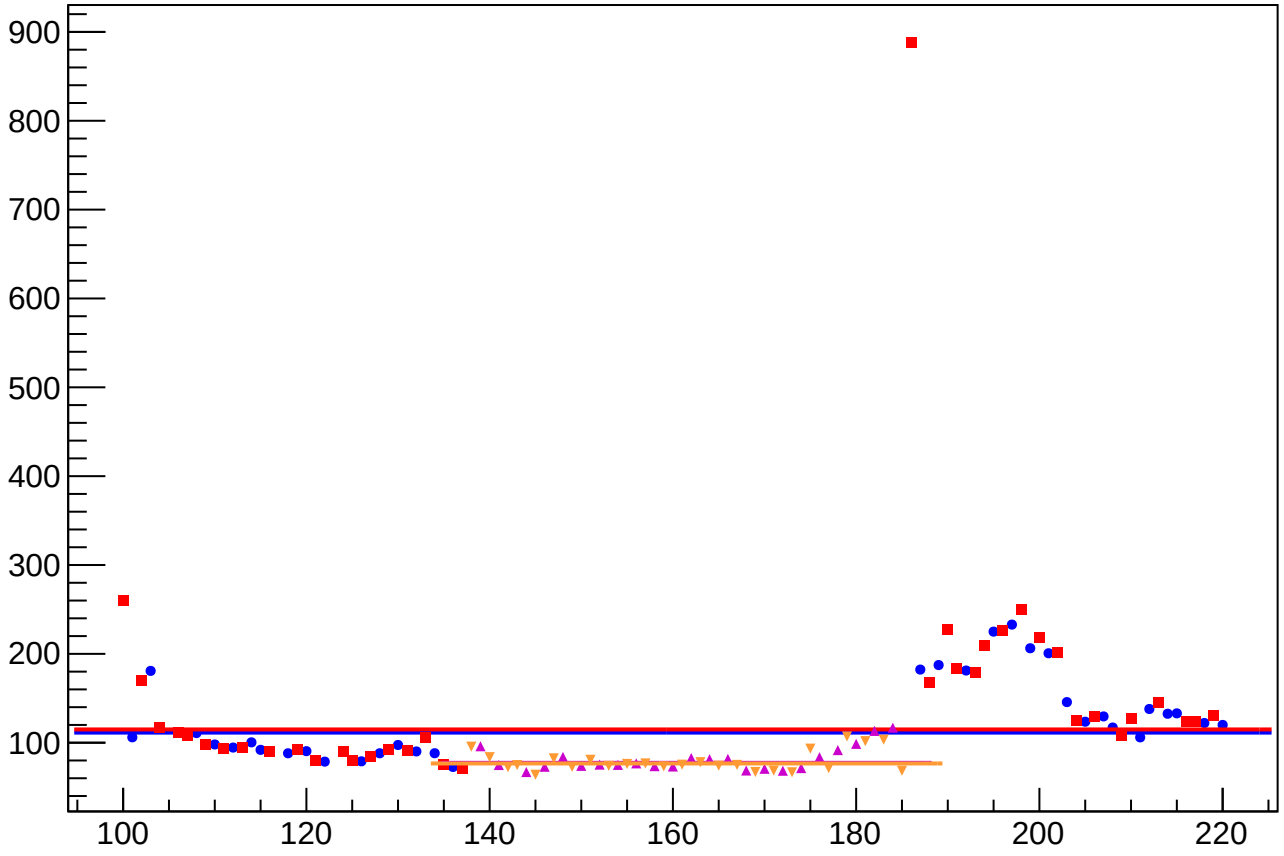
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 16.394+/-14.554 χ^2/NDF: 67.3/57

All: -8.727+/-10.473 χ^2/NDF: 183.0/117

- sign -35.700+/-15.081 χ^2/NDF: 109.6/59

cor_asym_sam_2468_avg_rms vs Slug



Right In: 111.388+/-0.018 χ^2/NDF: 3724118.7/32

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

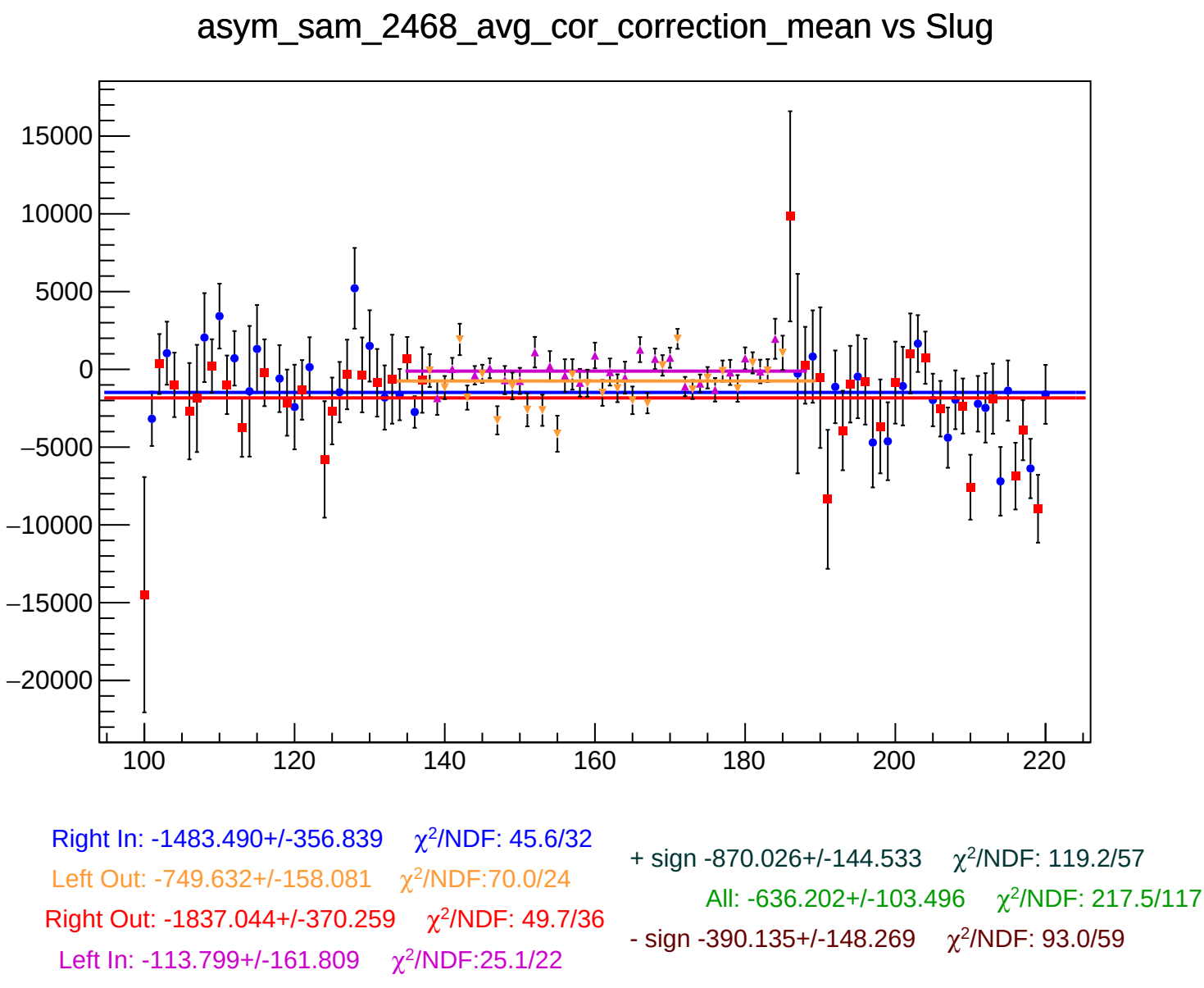
Right Out: 114.927+/-0.019 χ^2/NDF: 4768266.9/36

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

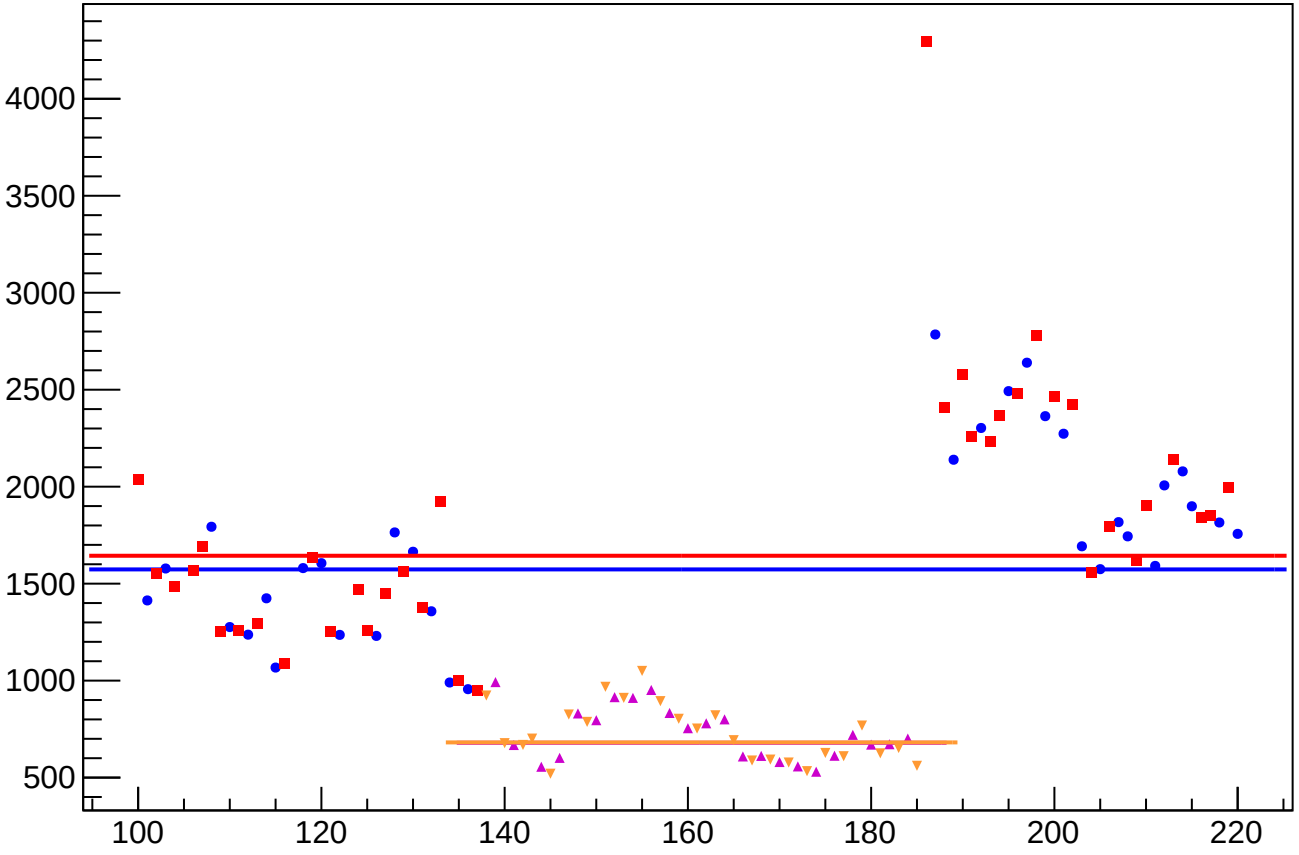
+ sign 87.807+/-0.010 χ^2/NDF: 6863517.7/57

All: 88.601+/-0.007 χ^2/NDF: 14945982.0/117

- sign 89.453+/-0.011 χ^2/NDF: 8070135.3/59


asym_sam_2468_avg_cor_correction_mean vs Slug
15000
10000
5000
0
−5000
−10000
−15000
−20000
100
120
140
160
180
200
220
Right In: -1483.490+/-356.839 χ²/NDF: 45.6/32
Left Out: -749.632+/-158.081 χ²/NDF:70.0/24
Right Out: -1837.044+/-370.259 χ²/NDF: 49.7/36
Left In: -113.799+/-161.809 χ²/NDF:25.1/22
+ sign -870.026+/-144.533 χ²/NDF: 119.2/57
All: -636.202+/-103.496 χ²/NDF: 217.5/117
- sign -390.135+/-148.269 χ²/NDF: 93.0/59

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1573.427+/-0.252 χ^2/NDF: 2902805.1/32

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

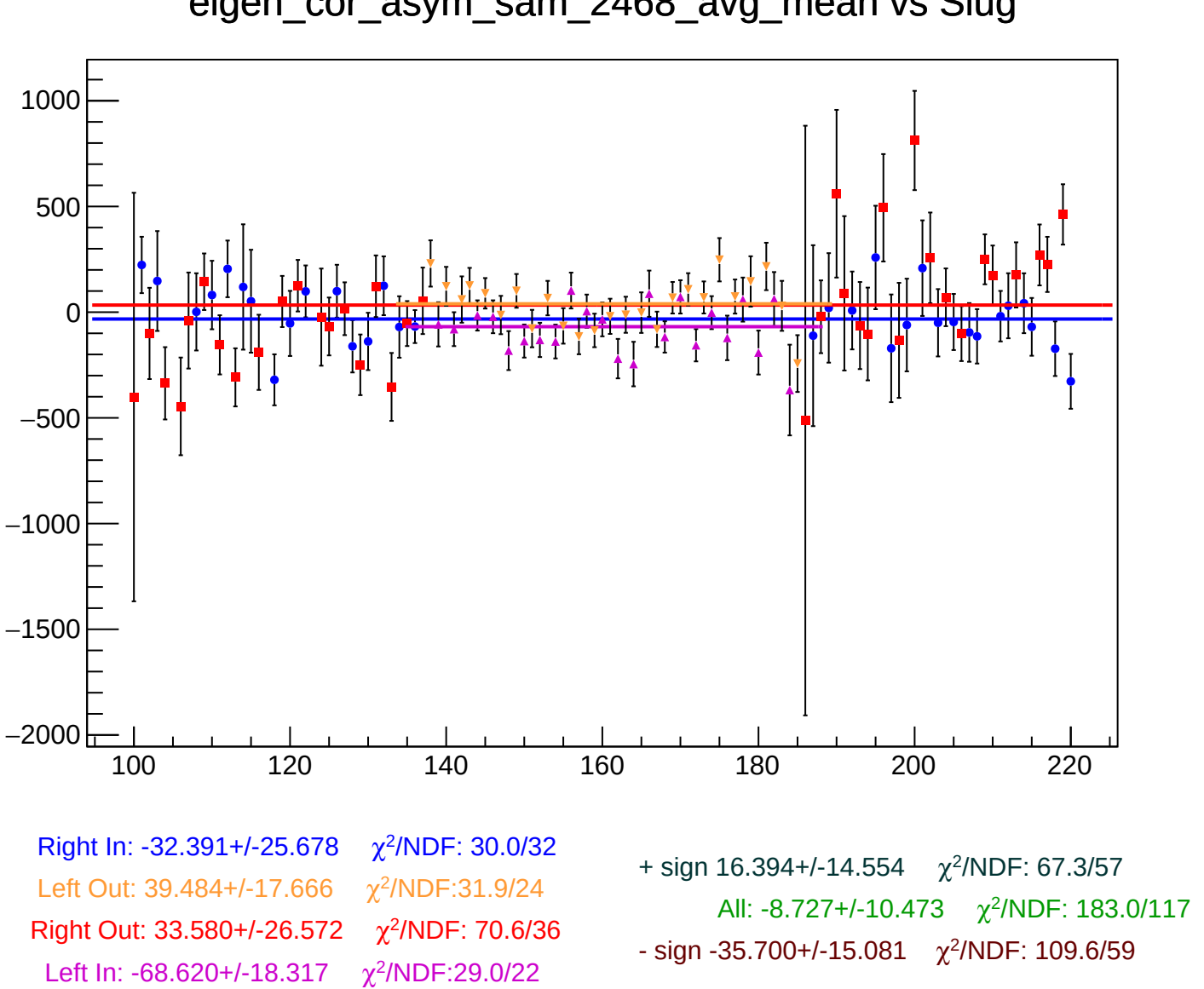
Right Out: 1643.839+/-0.262 χ^2/NDF: 3254559.4/36

Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

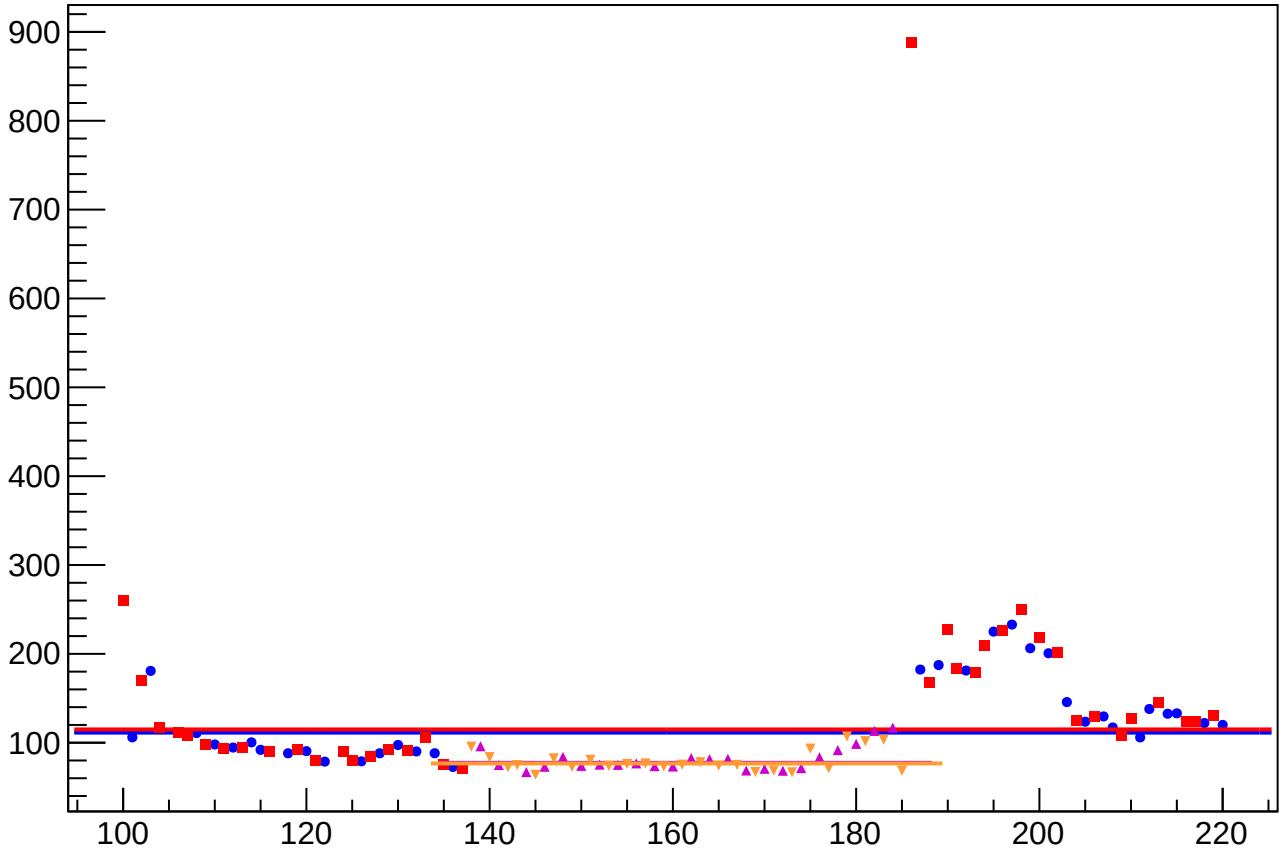
\+ sign 827.764+/-0.102 χ^2/NDF: 14684032.9/57

All: 830.835+/-0.073 χ^2/NDF: 30519067.5/11

\- sign 834.067+/-0.105 χ^2/NDF: 15833181.4/59


eigen_cor_asym_sam_2468_avg_mean vs Slug
1000
500
0
−500
−1000
−1500
−2000
100
120
140
160
180
200
220
Right In: -32.391+/-25.678 χ²/NDF: 30.0/32
Left Out: 39.484+/-17.666 χ²/NDF:31.9/24
Right Out: 33.580+/-26.572 χ²/NDF: 70.6/36
Left In: -68.620+/-18.317 χ²/NDF:29.0/22
+ sign 16.394+/-14.554 χ²/NDF: 67.3/57
All: -8.727+/-10.473 χ²/NDF: 183.0/117
- sign -35.700+/-15.081 χ²/NDF: 109.6/59

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 111.388+/-0.018 χ^2/NDF: 3724118.7/32

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

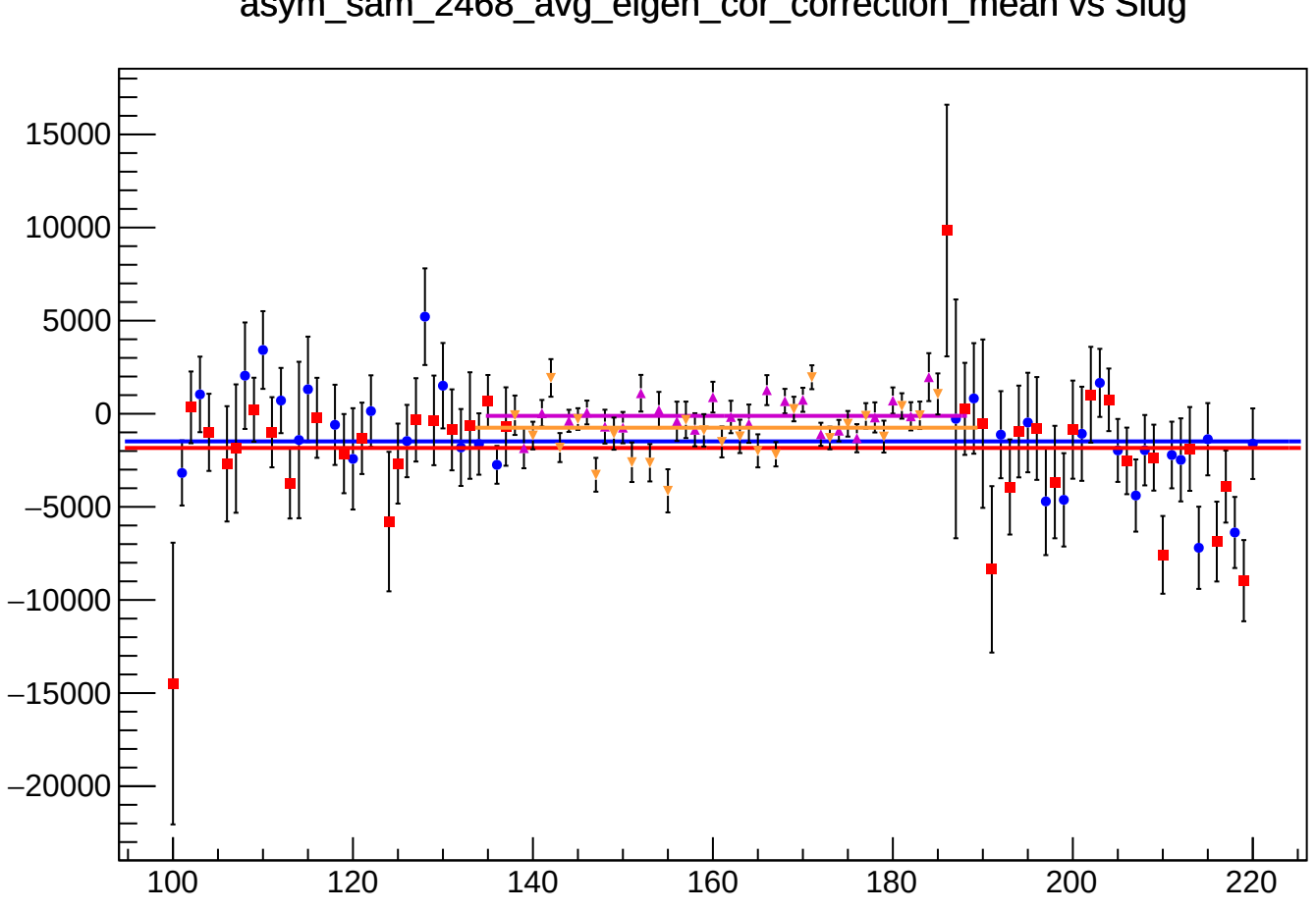
Right Out: 114.927+/-0.019 χ^2/NDF: 4768266.9/36

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 87.807+/-0.010 χ^2/NDF: 6863517.7/57

All: 88.601+/-0.007 χ^2/NDF: 14945982.0/11

- sign 89.453+/-0.011 χ^2/NDF: 8070135.3/59



Right In: -1483.490+/-356.839 χ^2/NDF: 45.6/32

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

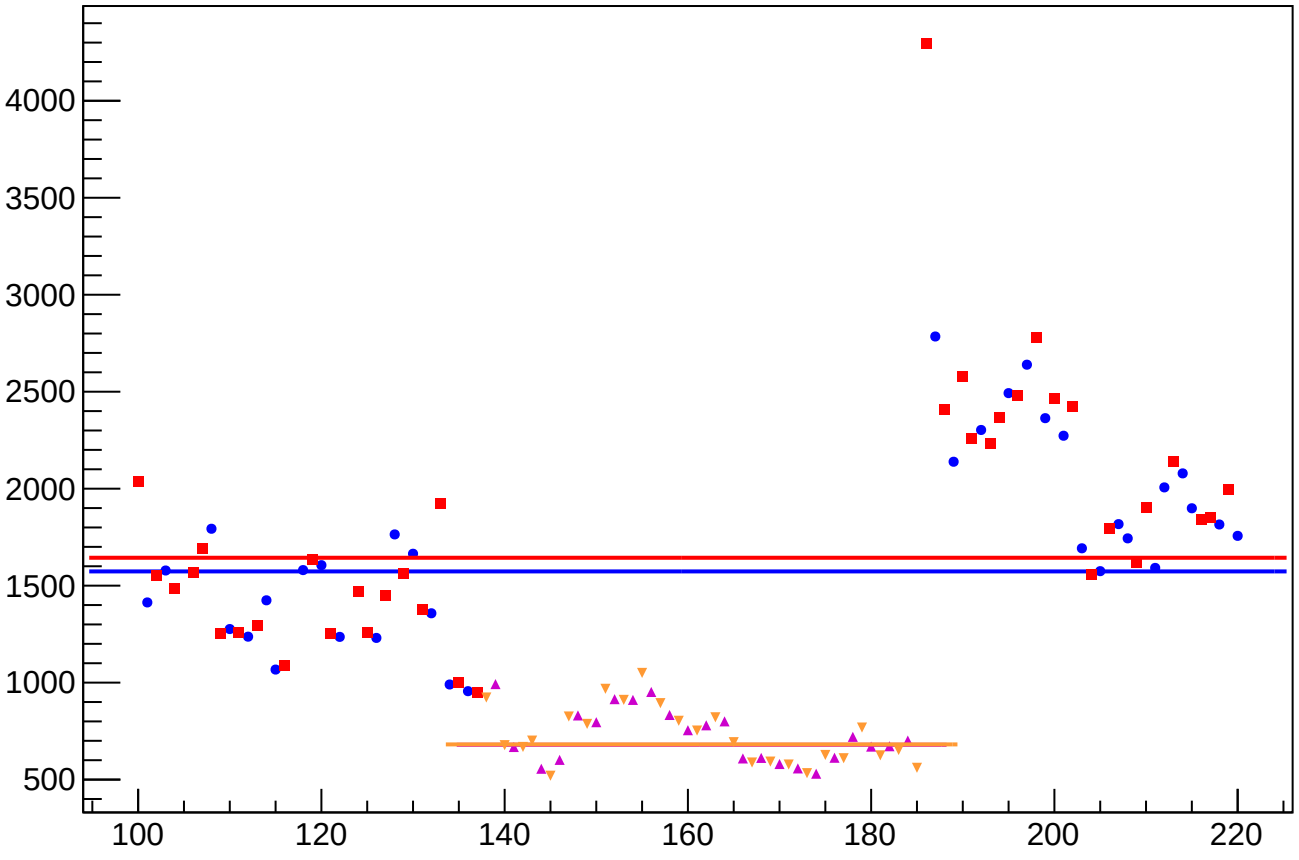
Right Out: -1837.044+/-370.259 χ^2/NDF: 49.7/36

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -870.026+/-144.533 χ^2/NDF: 119.2/57

All: -636.202+/-103.496 χ^2/NDF: 217.5/117

- sign -390.135+/-148.269 χ^2/NDF: 93.0/59



Right In: 1573.427+/-0.252 χ^2/NDF: 2902805.1/32

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1643.839+/-0.262 χ^2/NDF: 3254559.4/36

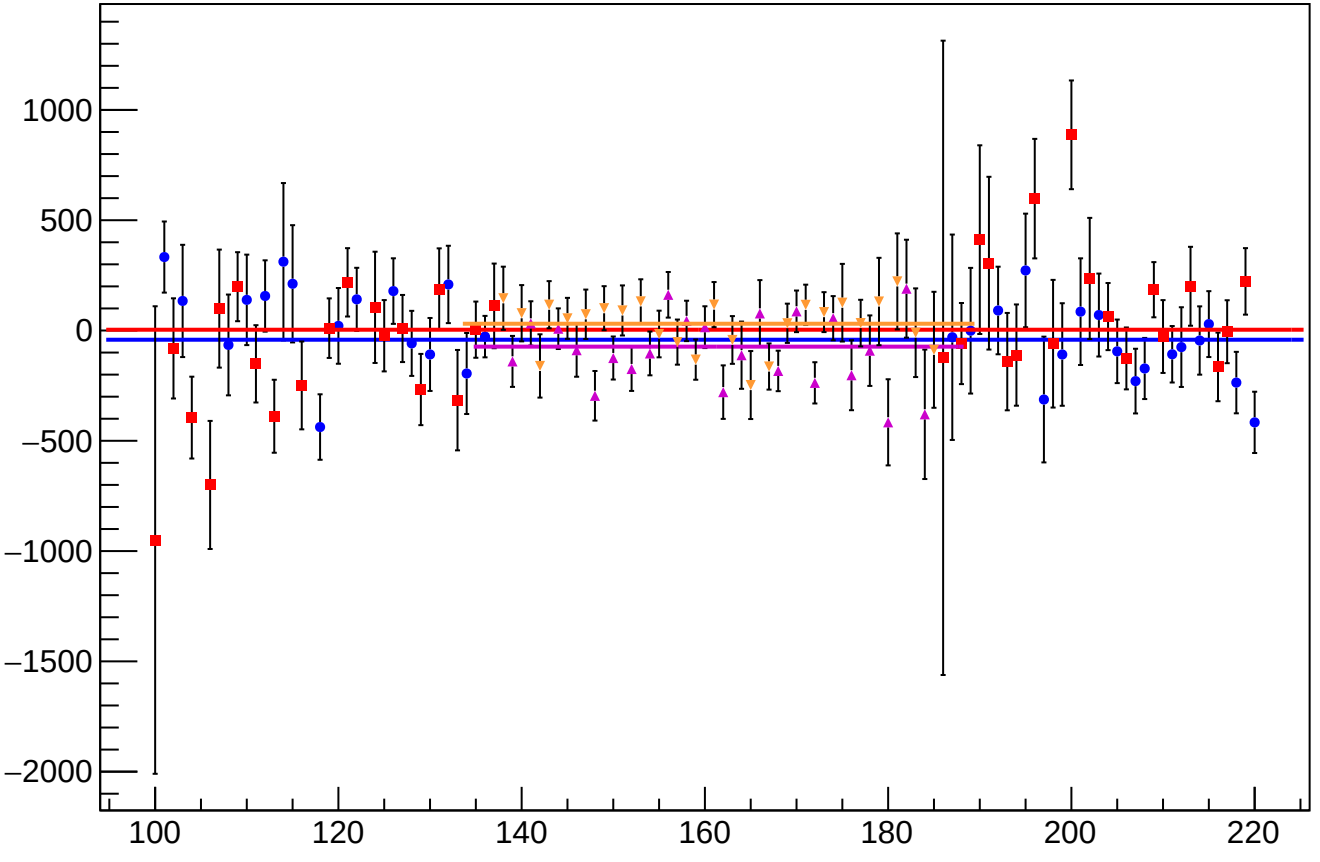
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 827.764+/-0.102 χ^2/NDF: 14684032.9/57

All: 830.835+/-0.073 χ^2/NDF: 30519067.5/11

- sign 834.067+/-0.105 χ^2/NDF: 15833181.4/59

dit_asym_sam_2468_avg_mean vs Slug



Right In: -41.815+/-29.483 χ^2/NDF: 40.1/32

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 3.527+/-30.471 χ^2/NDF: 57.7/36

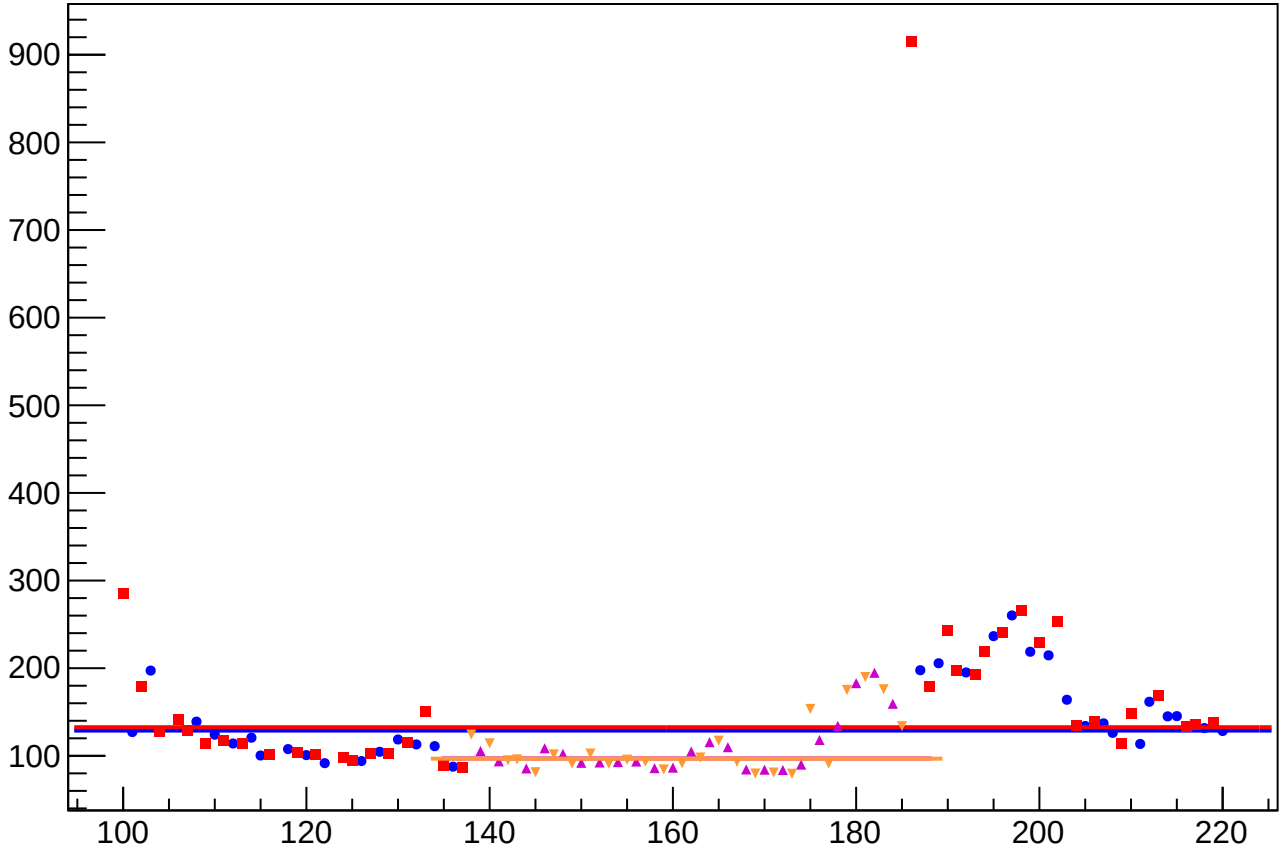
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 3.470+/-18.064 χ^2/NDF: 63.8/57

All: -19.813+/-12.963 χ^2/NDF: 163.4/117

- sign -44.536+/-18.614 χ^2/NDF: 96.2/59

dit_asym_sam_2468_avg_rms vs Slug



Right In: 128.812+/-0.021 χ^2/NDF: 2969916.5/32

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

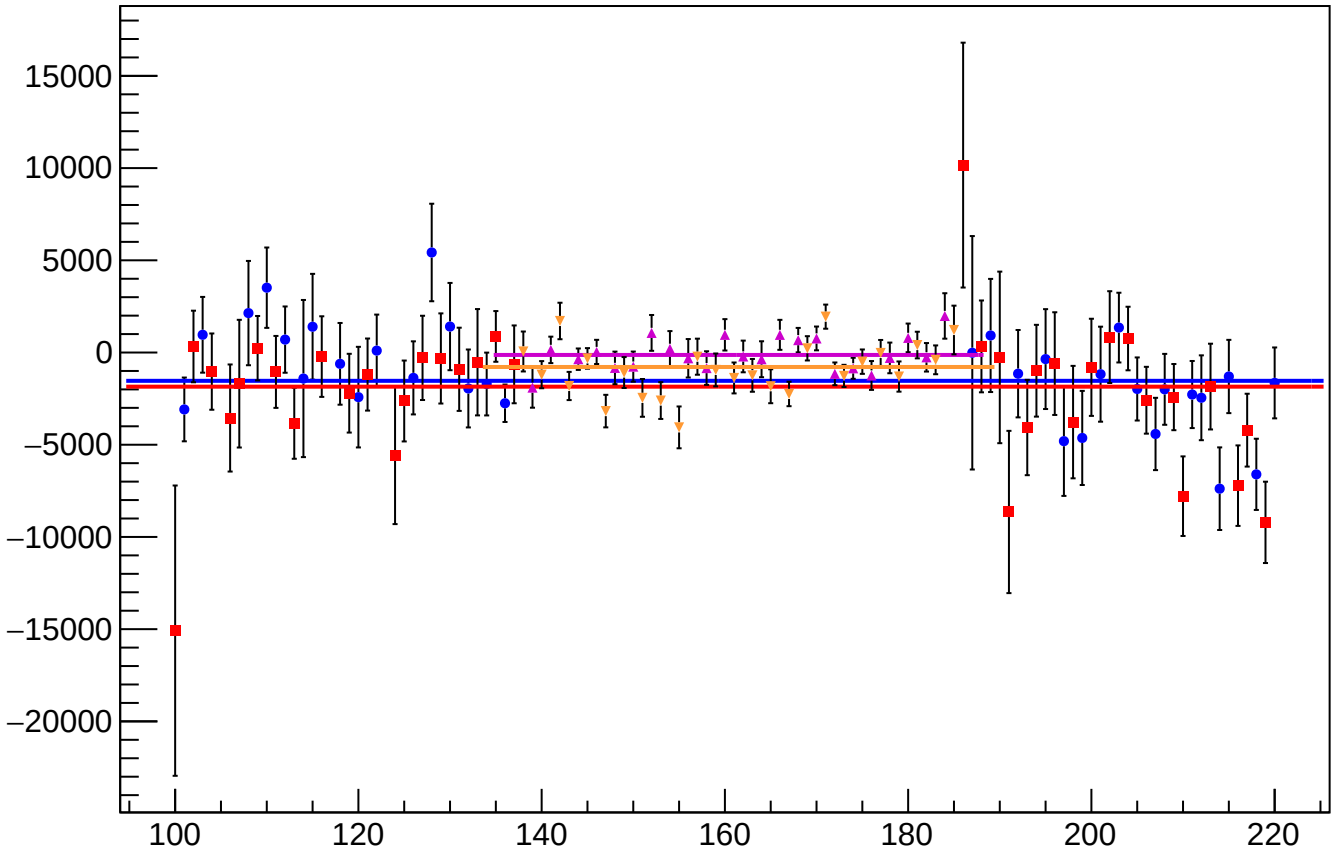
Right Out: 132.664+/-0.022 χ^2/NDF: 4022392.8/36

Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 108.813+/-0.013 χ^2/NDF: 6163566.0/57

All: 109.543+/-0.009 χ^2/NDF: 13229691.2/11

- sign 110.319+/-0.013 χ^2/NDF: 7059382.5/59



Right In: -1534.699+/-362.518 χ^2/NDF: 45.2/32

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1851.340+/-374.313 χ^2/NDF: 52.6/36

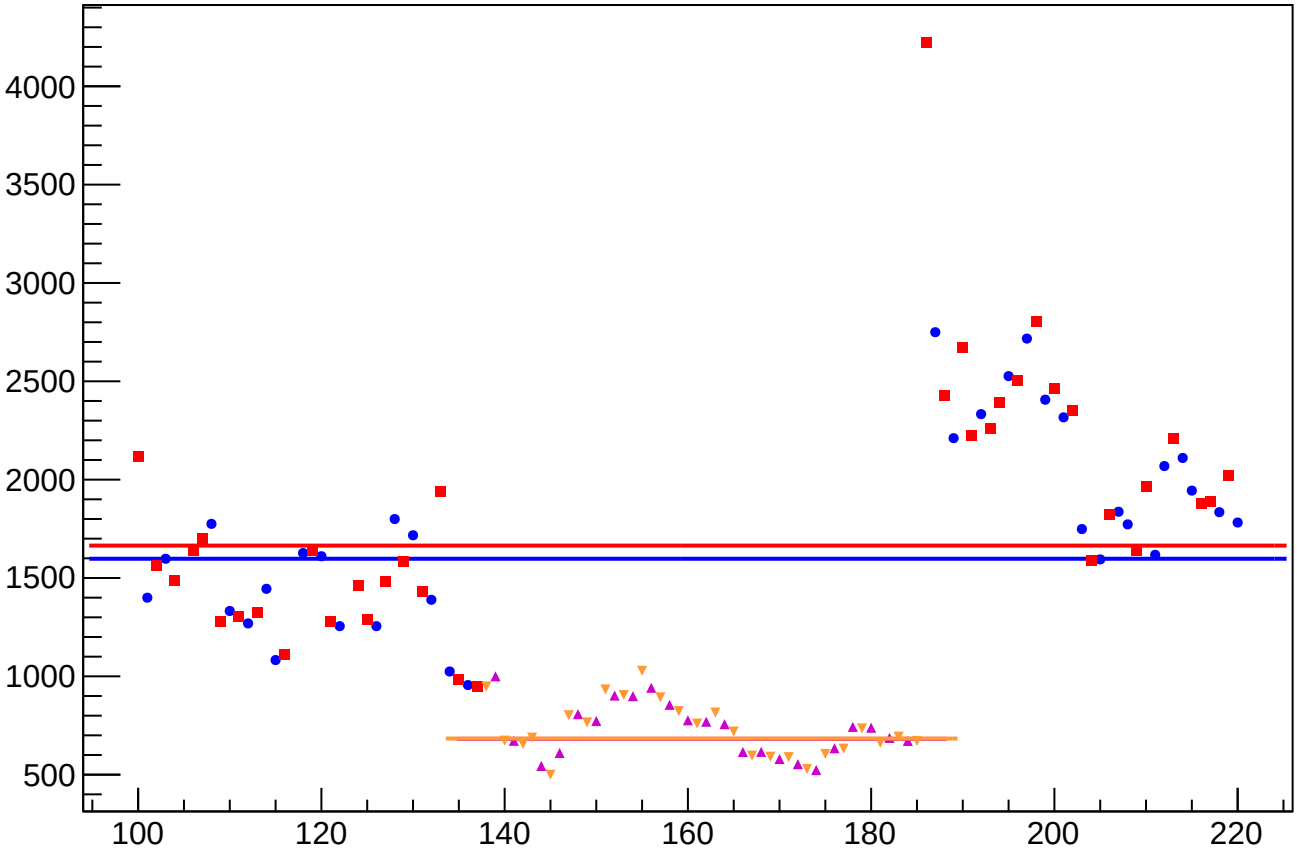
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -904.051+/-145.094 χ^2/NDF: 115.1/57

All: -660.587+/-103.947 χ^2/NDF: 215.6/117

- sign -403.876+/-148.990 χ^2/NDF: 94.7/59

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1597.807+/-0.256 χ^2/NDF: 2955675.3/32

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1664.670+/-0.265 χ^2/NDF: 3256020.7/36

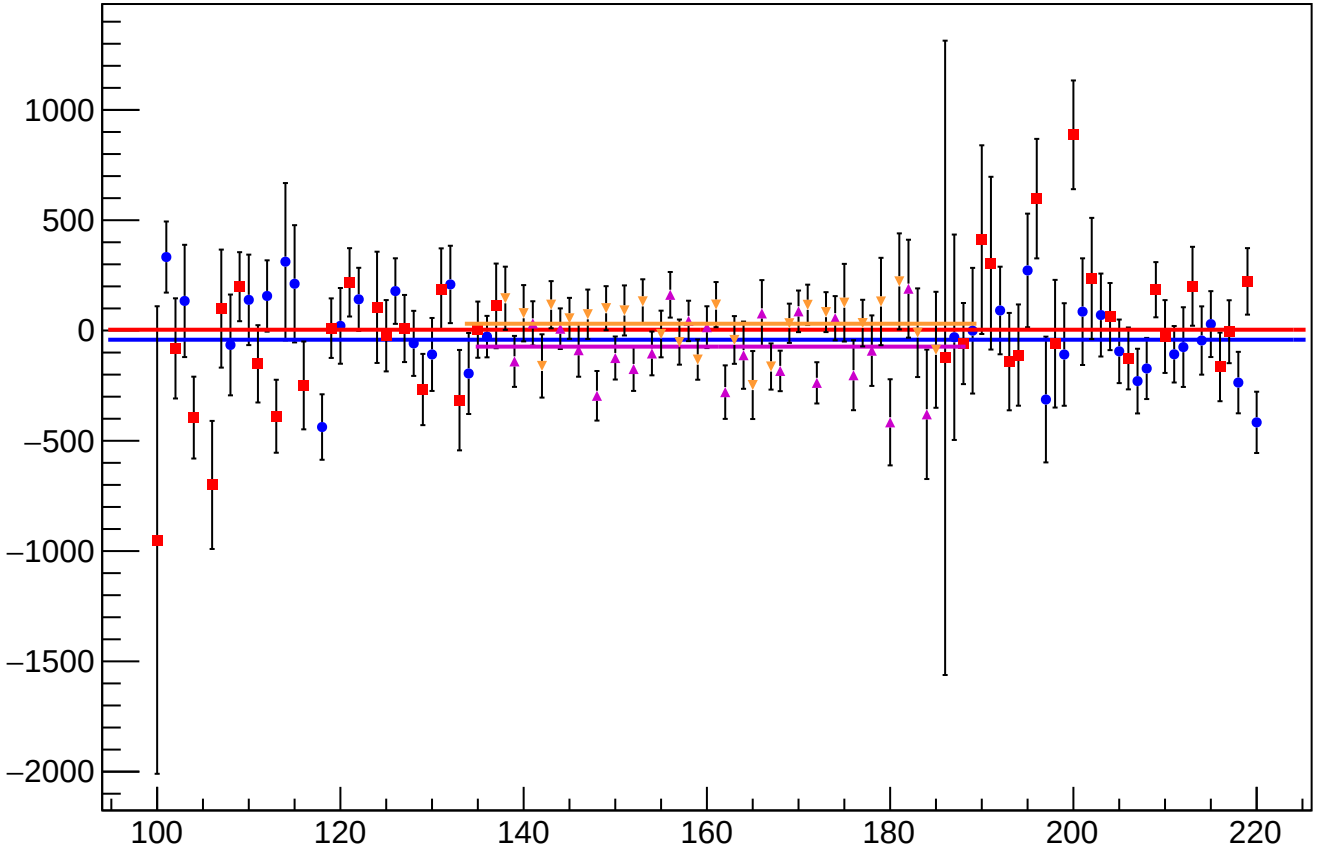
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 830.130+/-0.103 χ^2/NDF: 14933033.1/57

All: 833.792+/-0.074 χ^2/NDF: 30978877.6/11

- sign 837.653+/-0.105 χ^2/NDF: 16043227.5/59

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: -41.812+/-29.483 χ^2/NDF: 40.1/32

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: 3.530+/-30.471 χ^2/NDF: 57.7/36

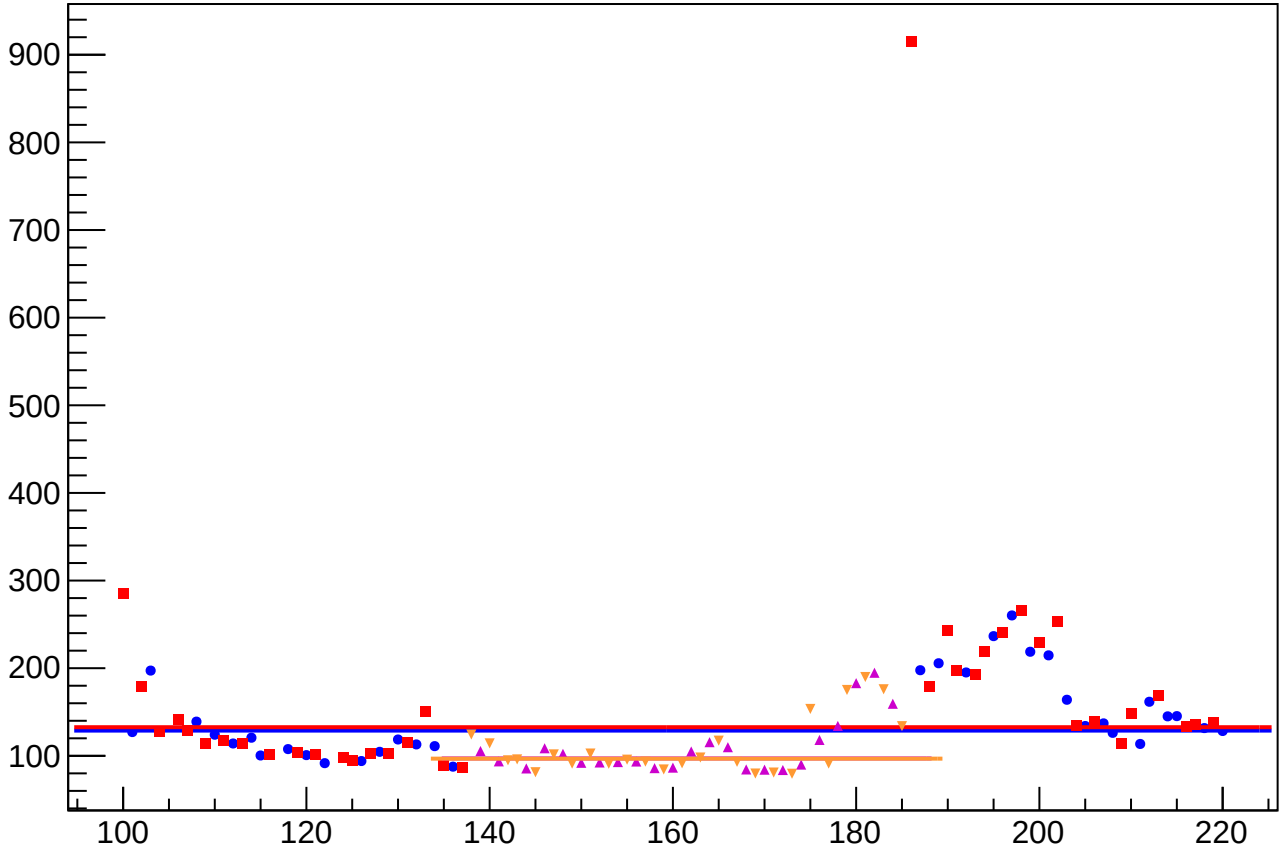
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 3.471+/-18.064 χ^2/NDF: 63.8/57

All: -19.811+/-12.963 χ^2/NDF: 163.4/117

- sign -44.534+/-18.614 χ^2/NDF: 96.2/59

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 128.811+/-0.021 χ^2/NDF: 2969935.2/32

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

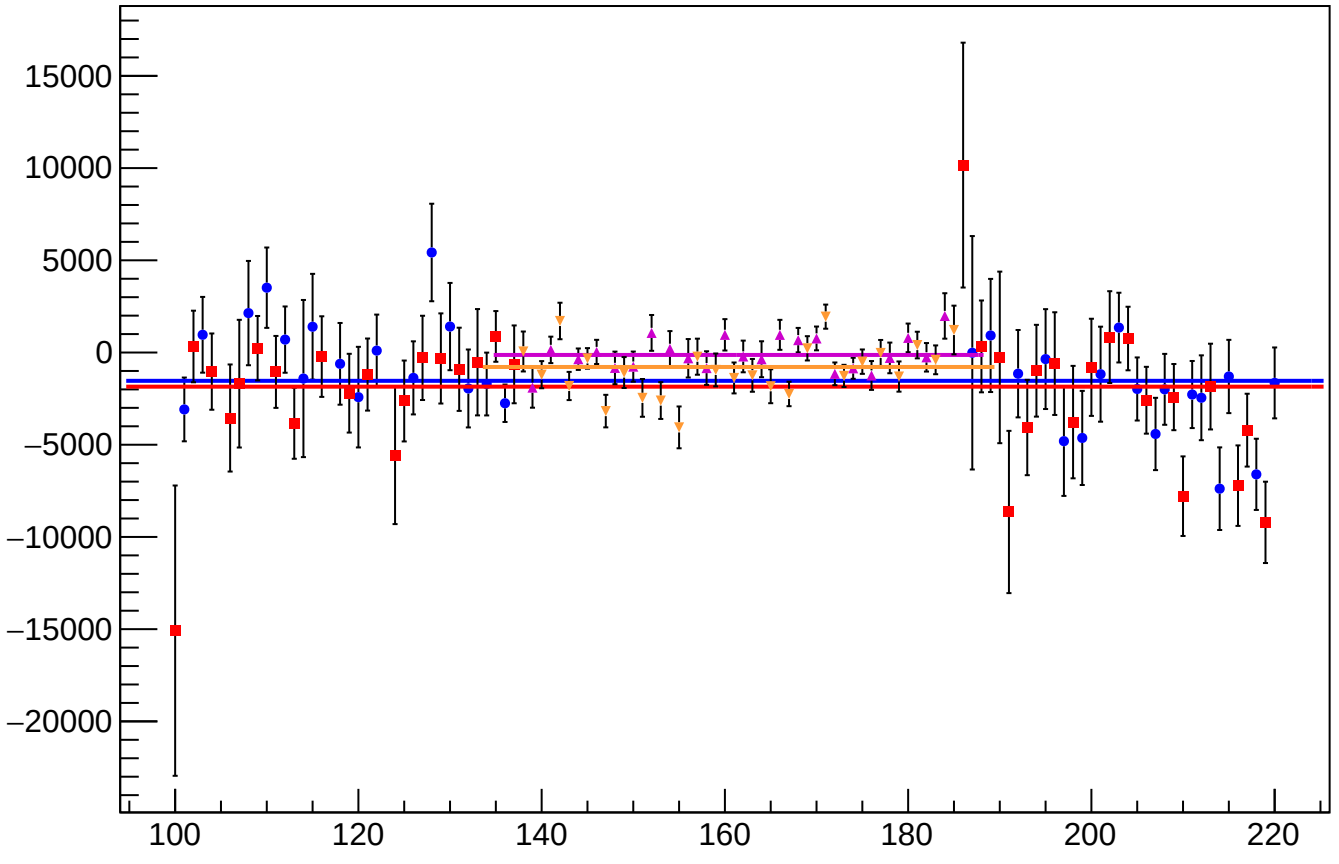
Right Out: 132.664+/-0.022 χ^2/NDF: 4022423.4/36

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 108.813+/-0.013 χ^2/NDF: 6163506.8/57

All: 109.543+/-0.009 χ^2/NDF: 13229570.9/11

- sign 110.319+/-0.013 χ^2/NDF: 7059321.1/59



Right In: -1534.693+/-362.518 χ^2/NDF: 45.2/32

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

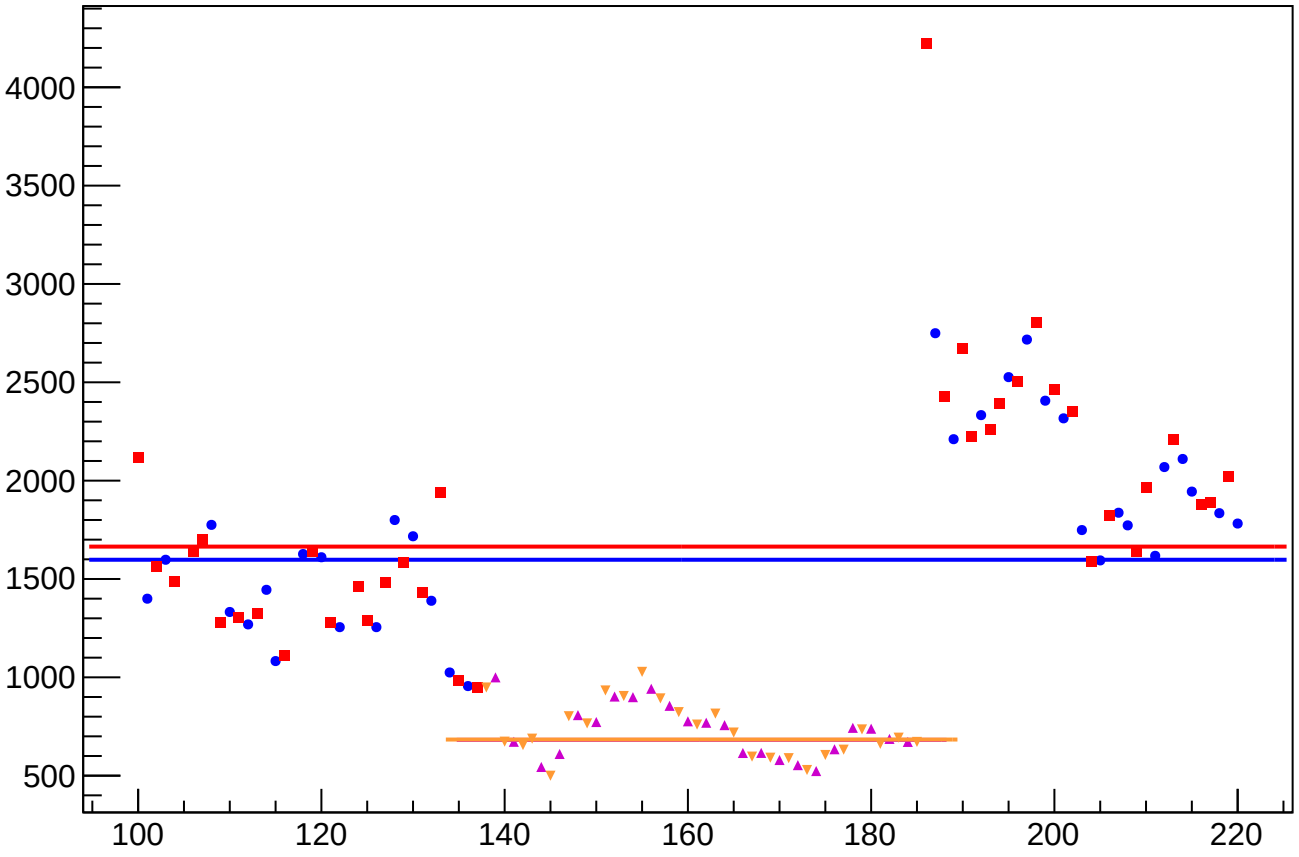
Right Out: -1851.336+/-374.313 χ^2/NDF: 52.6/36

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -904.048+/-145.094 χ^2/NDF: 115.1/57

All: -660.585+/-103.947 χ^2/NDF: 215.6/117

- sign -403.874+/-148.989 χ^2/NDF: 94.7/59



Right In: 1597.805+/-0.256 χ^2/NDF: 2955684.5/32

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1664.667+/-0.265 χ^2/NDF: 3256033.1/36

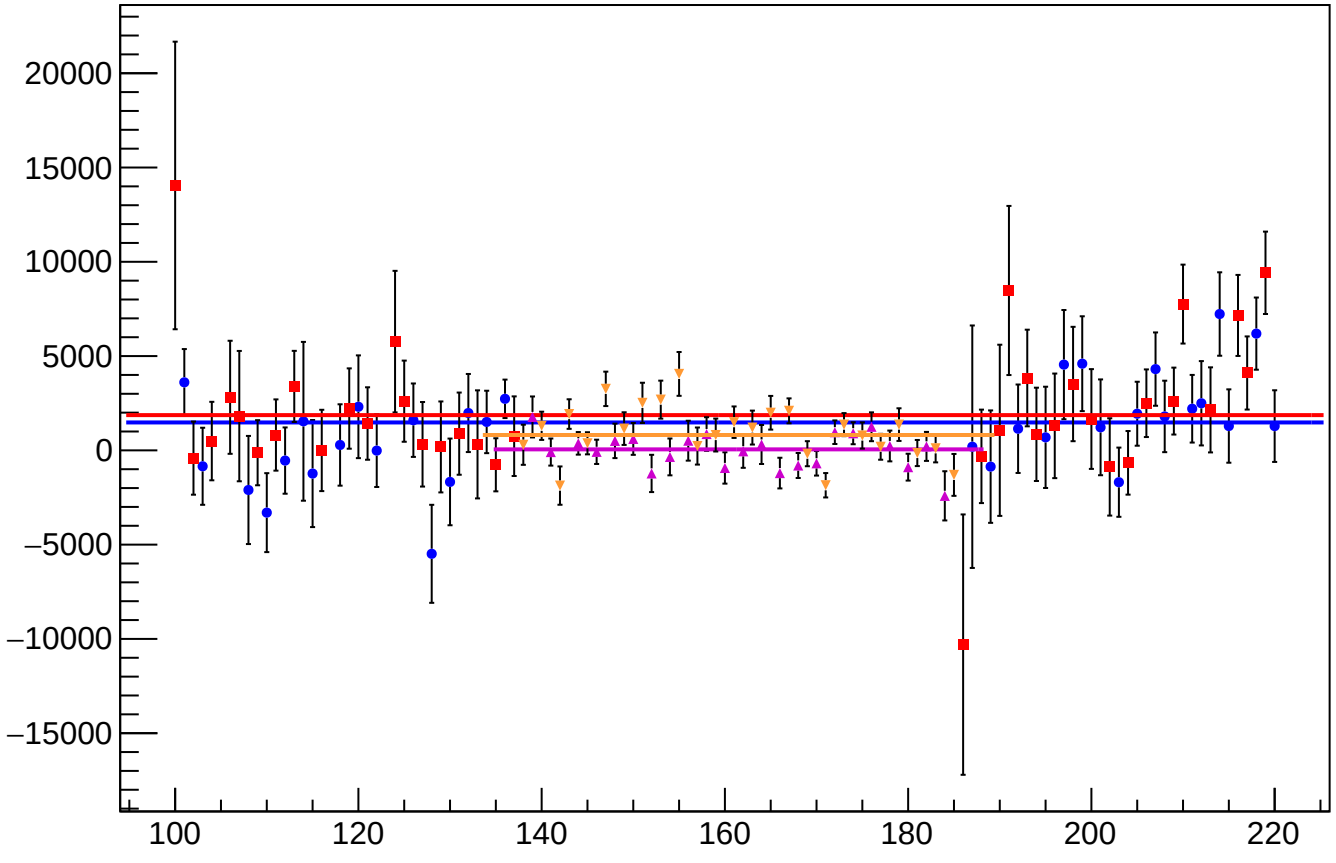
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 830.128+/-0.103 χ^2/NDF: 14933056.0/57

All: 833.790+/-0.074 χ^2/NDF: 30978922.2/11

- sign 837.651+/-0.105 χ^2/NDF: 16043249.2/59

asym_sam_2468_avg_mean vs Slug



Right In: 1479.833+/-358.035 χ^2/NDF: 45.2/32

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 1868.982+/-371.205 χ^2/NDF: 52.2/36

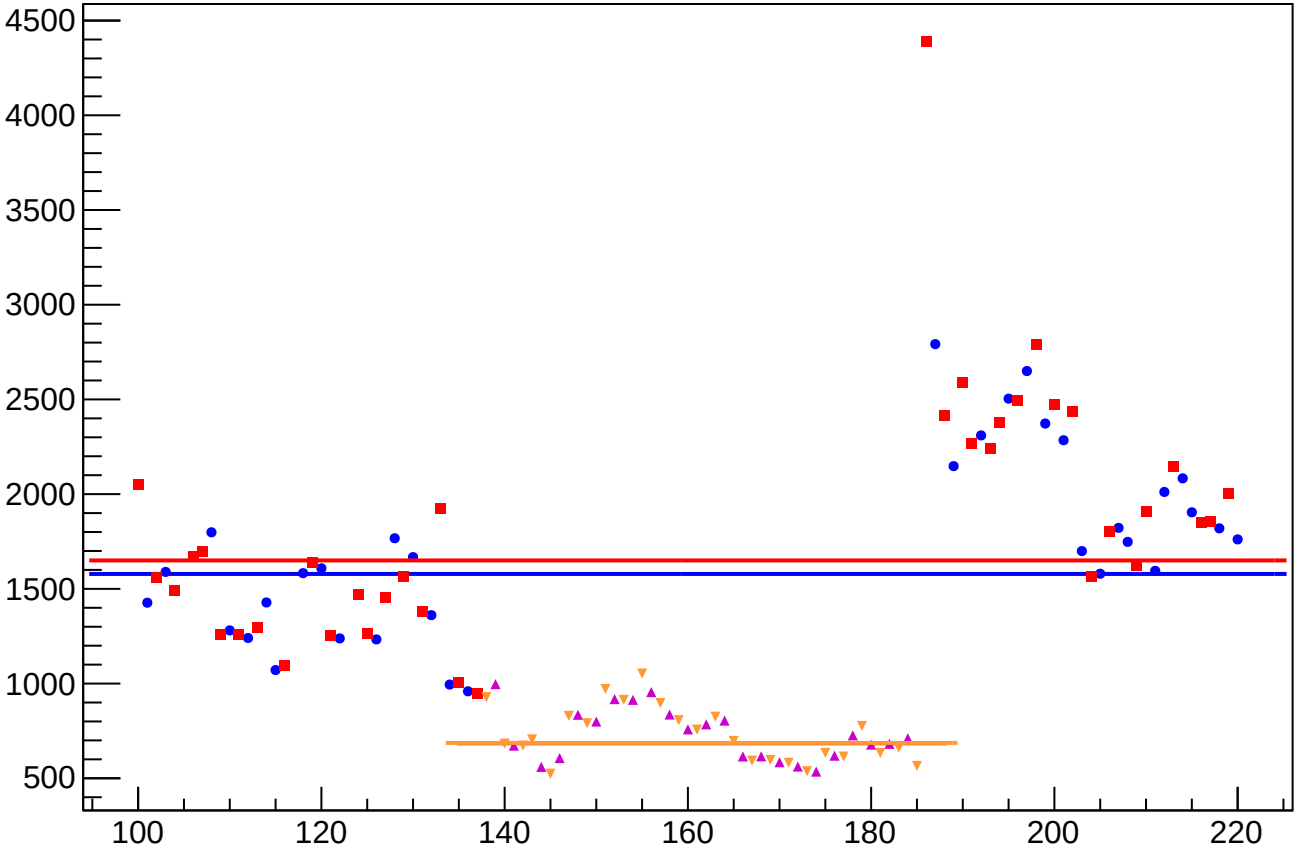
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 924.033+/-145.510 χ^2/NDF: 113.9/57

All: 642.424+/-104.196 χ^2/NDF: 219.2/117

- sign 346.065+/-149.273 χ^2/NDF: 97.6/59

asym_sam_2468_avg_rms vs Slug



Right In: 1578.762+/-0.253 χ^2/NDF: 2900932.6/32

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

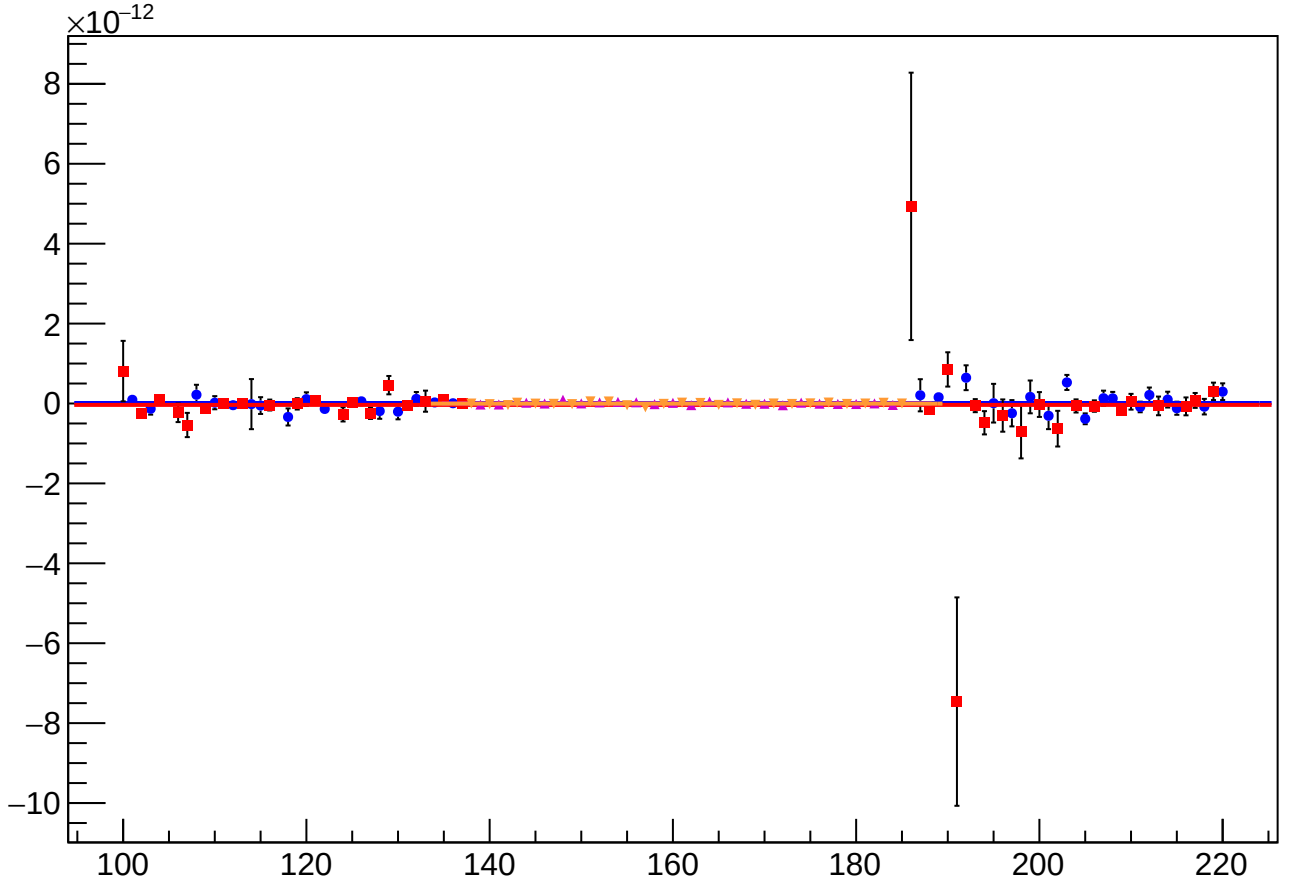
Right Out: 1650.084+/-0.262 χ^2/NDF: 3264138.4/36

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 834.044+/-0.103 χ^2/NDF: 14578056.4/57

All: 837.367+/-0.074 χ^2/NDF: 30347637.9/11

- sign 840.864+/-0.106 χ^2/NDF: 15767440.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 40.5/32

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 51.0/36

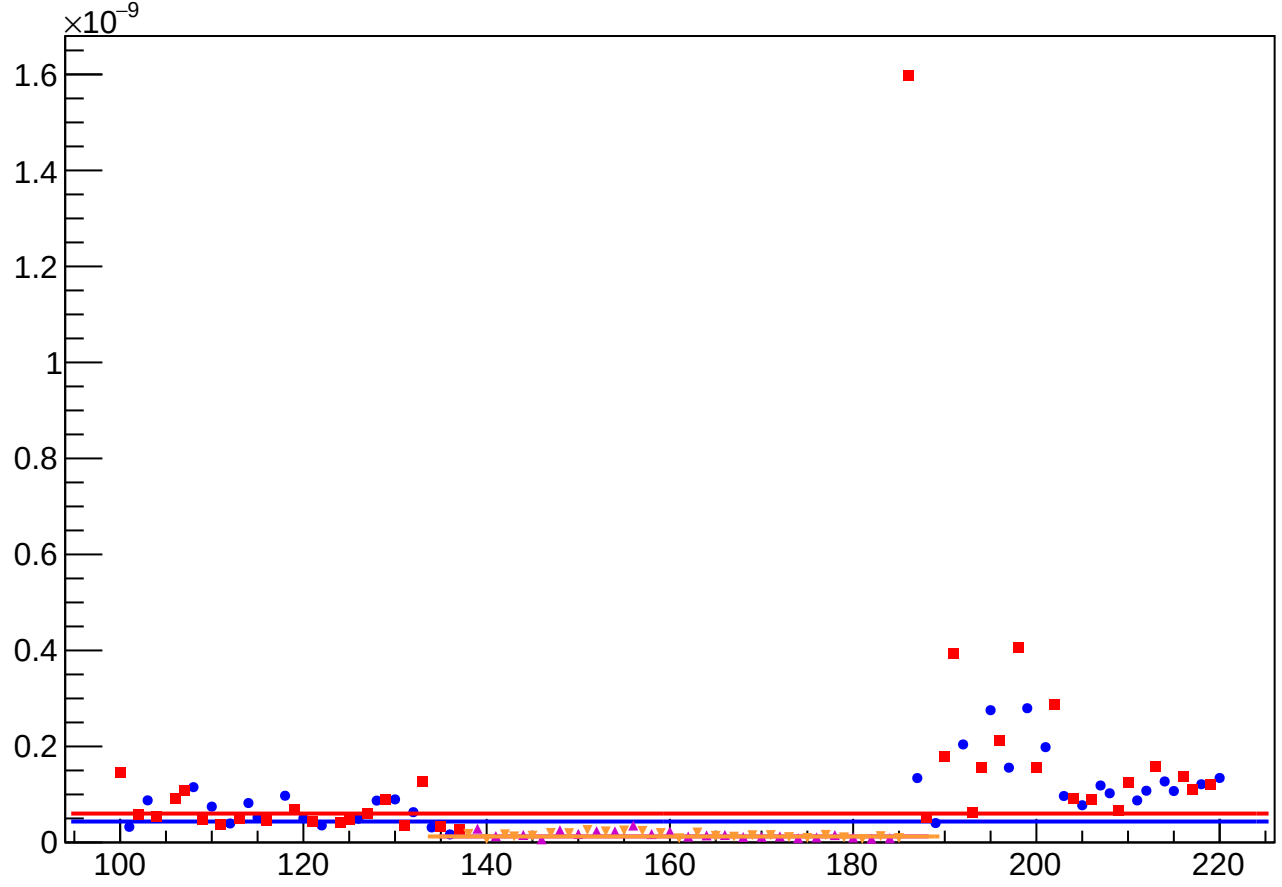
Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 57.6/57

All: -0.000+/-0.000 χ^2/NDF: 131.1/117

- sign -0.000+/-0.000 χ^2/NDF: 73.5/59

asym_sam_2468_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7693358.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

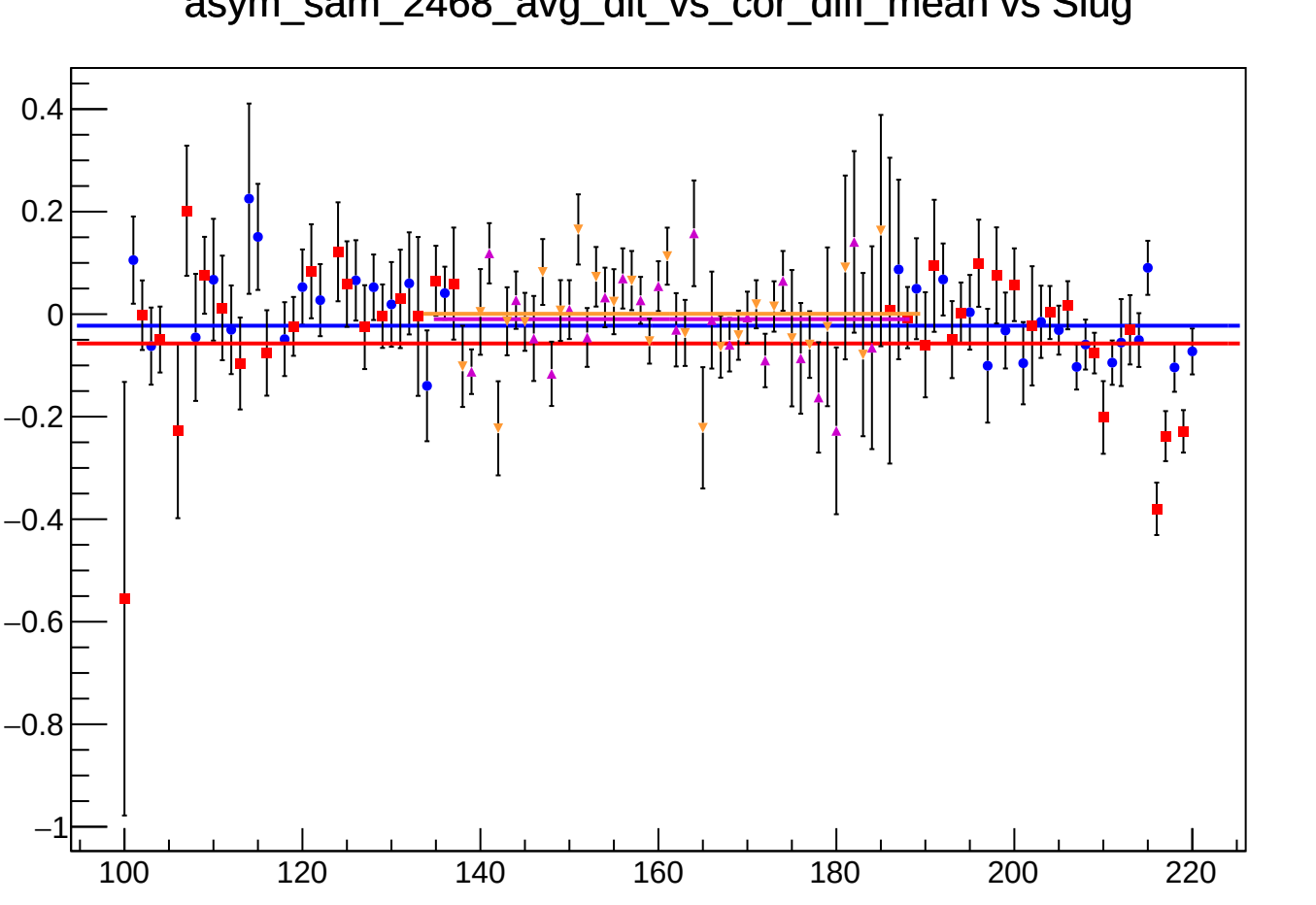
Right Out: 0.000+/-0.000 χ^2/NDF: 4762837.7/36

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 14142963.5/57

All: 0.000+/-0.000 χ^2/NDF: 28186793.0/117

- sign 0.000+/-0.000 χ^2/NDF: 14039376.1/59



Right In: -0.023+/-0.012 χ^2/NDF: 35.7/32

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.057+/-0.012 χ^2/NDF: 115.6/36

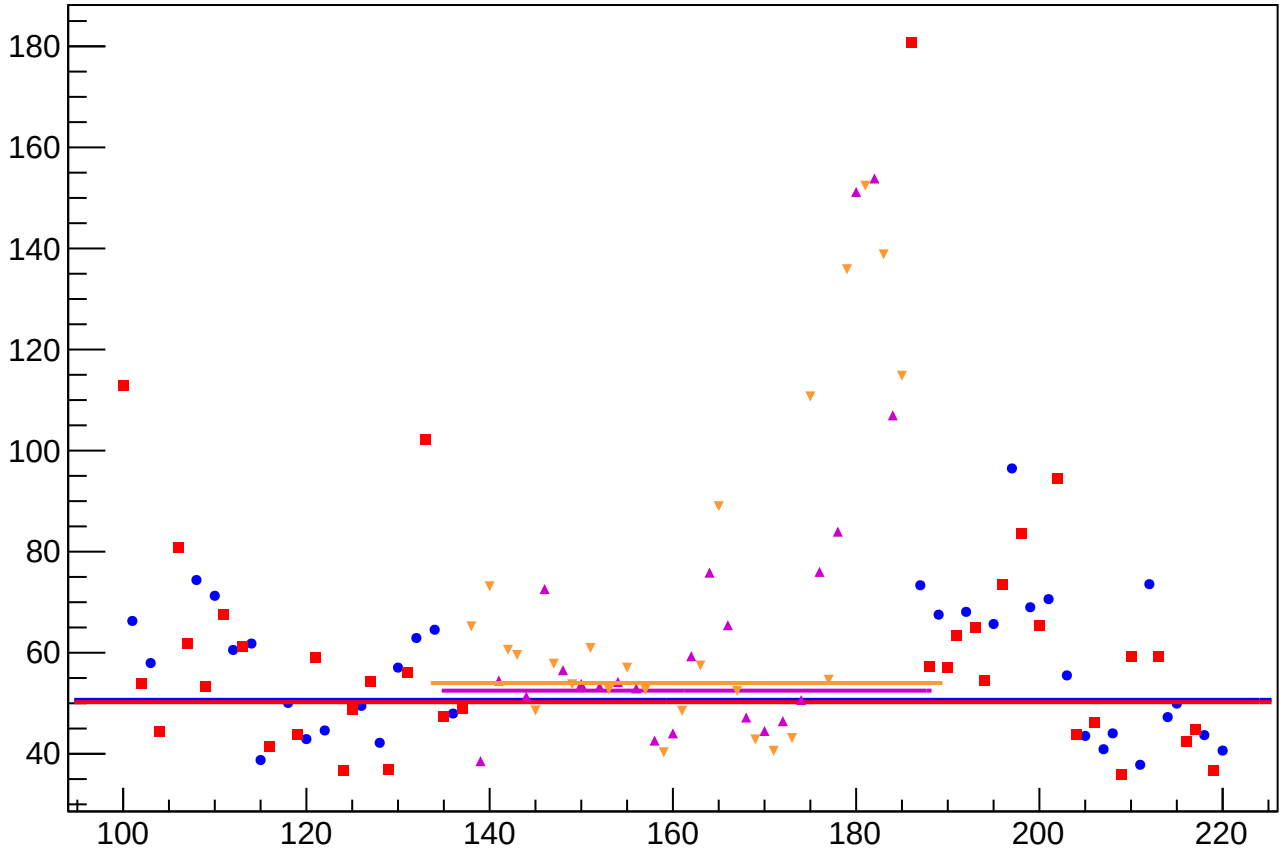
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.012+/-0.009 χ^2/NDF: 69.1/57

All: -0.024+/-0.006 χ^2/NDF: 227.6/117

- sign -0.036+/-0.009 χ^2/NDF: 154.7/59

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.681+/-0.008 χ^2/NDF: 1982874.9/32

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

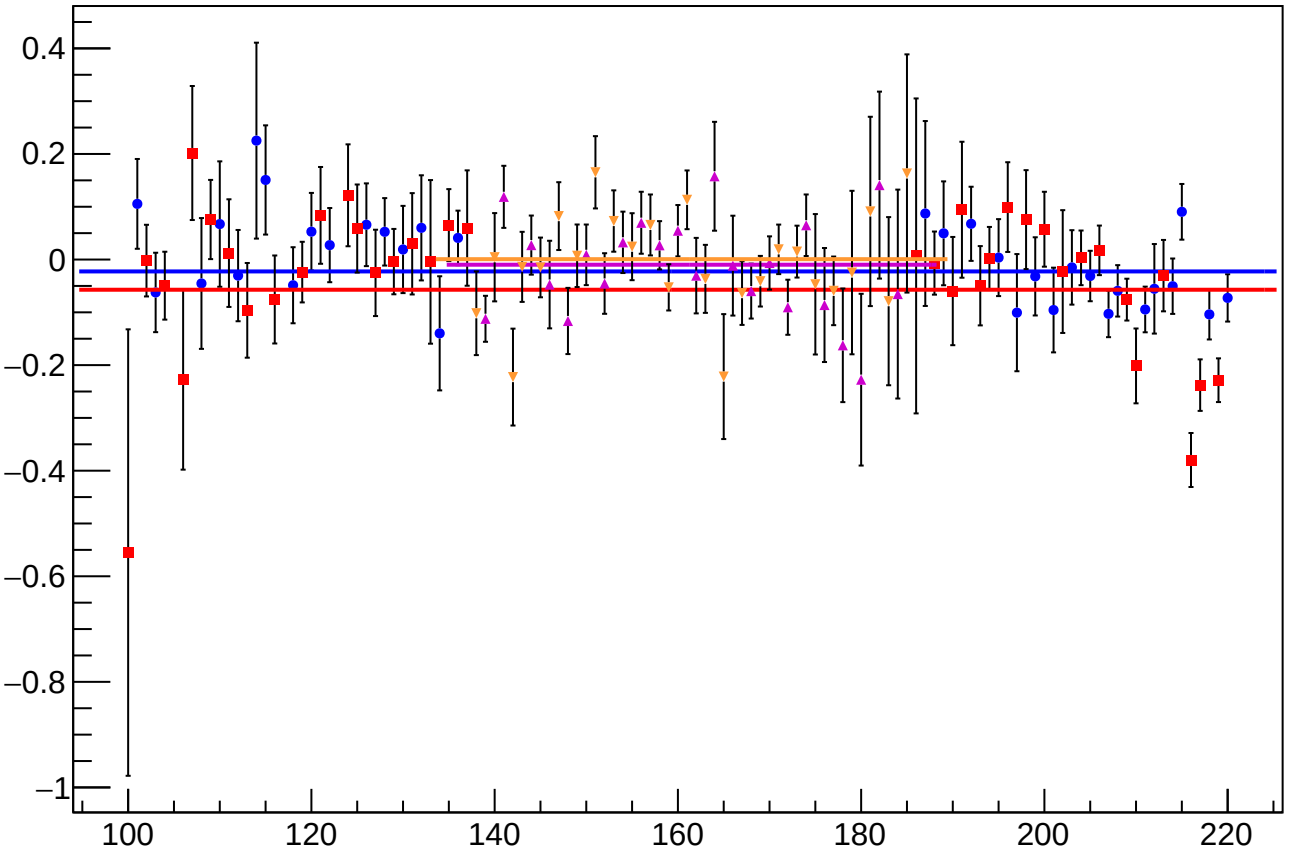
Right Out: 50.212+/-0.008 χ^2/NDF: 2648030.1/36

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 52.148+/-0.006 χ^2/NDF: 5281407.2/57

All: 51.680+/-0.004 χ^2/NDF: 10532245.8/117

- sign 51.215+/-0.006 χ^2/NDF: 5239515.3/59



Right In: -0.023+/-0.012 χ^2/NDF: 35.7/32

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: -0.057+/-0.012 χ^2/NDF: 115.6/36

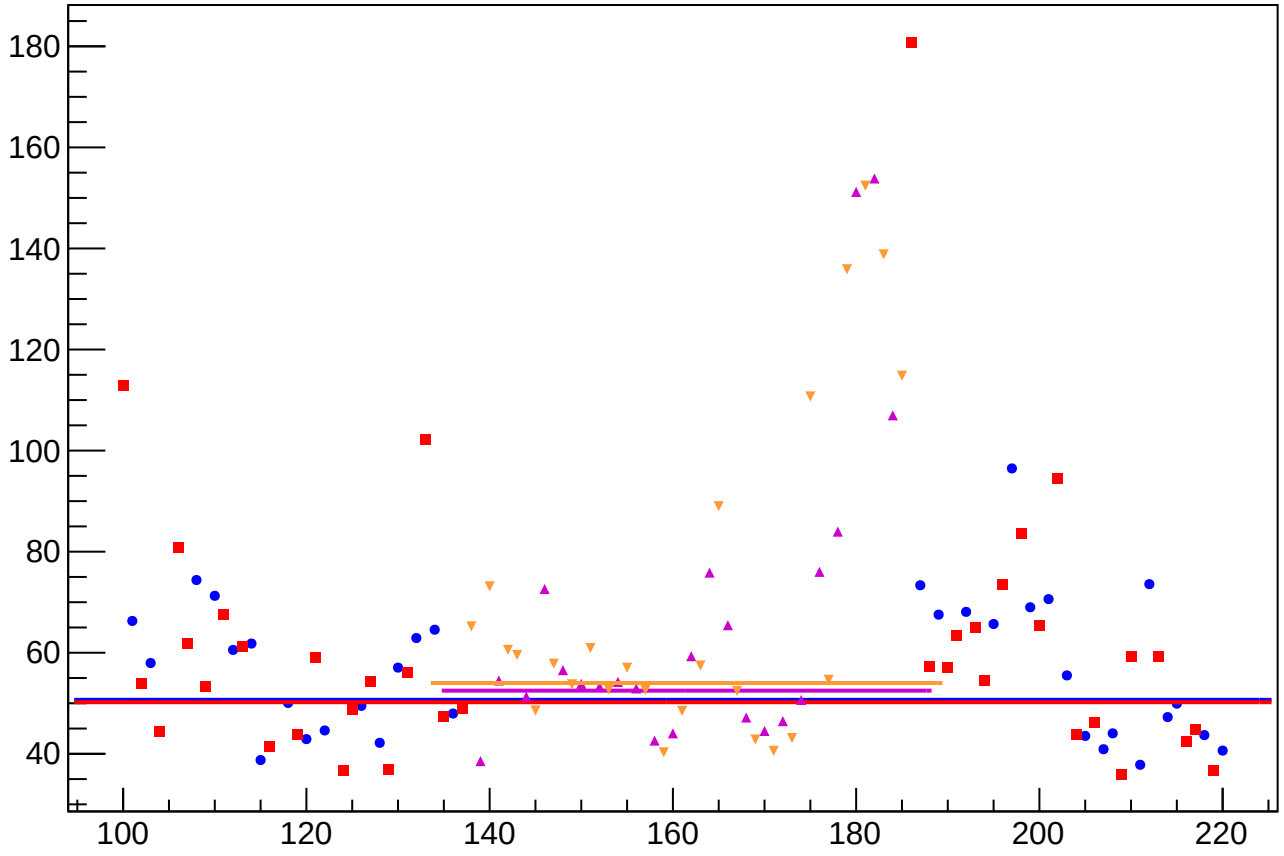
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.012+/-0.009 χ^2/NDF: 69.1/57

All: -0.024+/-0.006 χ^2/NDF: 227.6/117

- sign -0.036+/-0.009 χ^2/NDF: 154.7/59

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.681+/-0.008 χ^2/NDF: 1982874.9/32

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

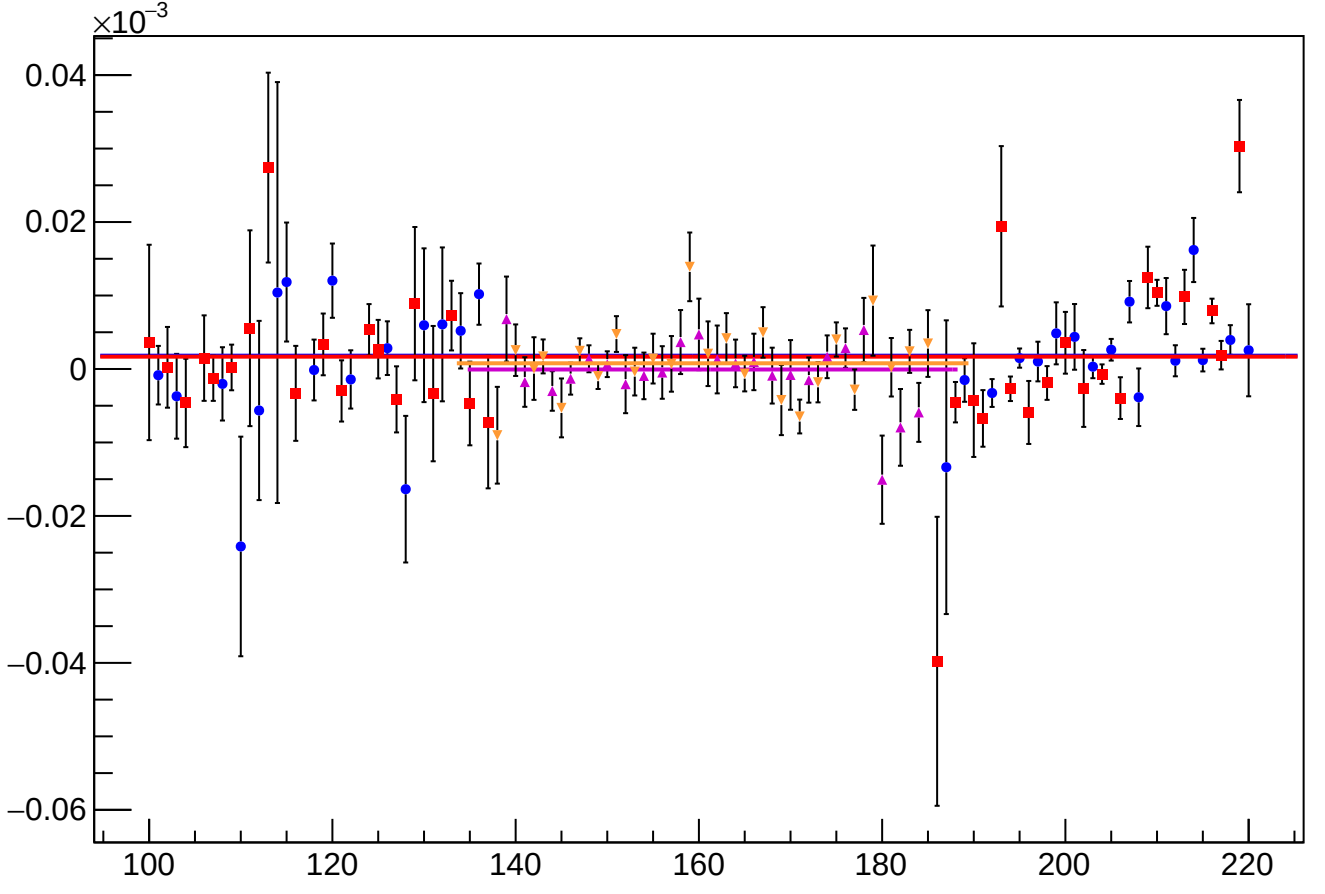
Right Out: 50.212+/-0.008 χ^2/NDF: 2648030.1/36

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 52.148+/-0.006 χ^2/NDF: 5281407.2/57

All: 51.680+/-0.004 χ^2/NDF: 10532245.8/117

- sign 51.215+/-0.006 χ^2/NDF: 5239515.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 55.6/32

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

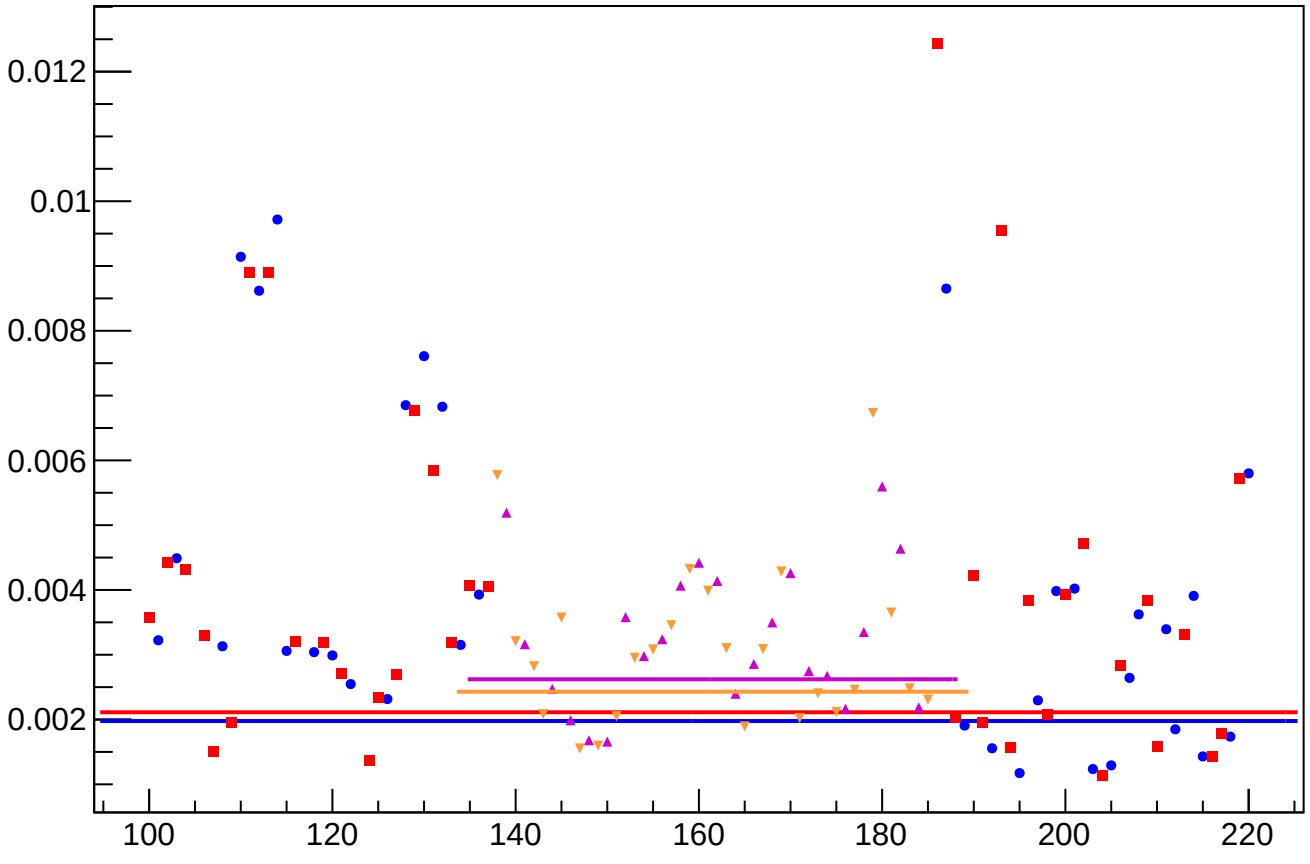
Right Out: 0.000+/-0.000 χ^2/NDF: 123.9/36

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 95.4/57

All: 0.000+/-0.000 χ^2/NDF: 244.2/117

- sign 0.000+/-0.000 χ^2/NDF: 148.3/59



Right In: 0.002+/-0.000 χ^2/NDF: 9235004.7/32

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

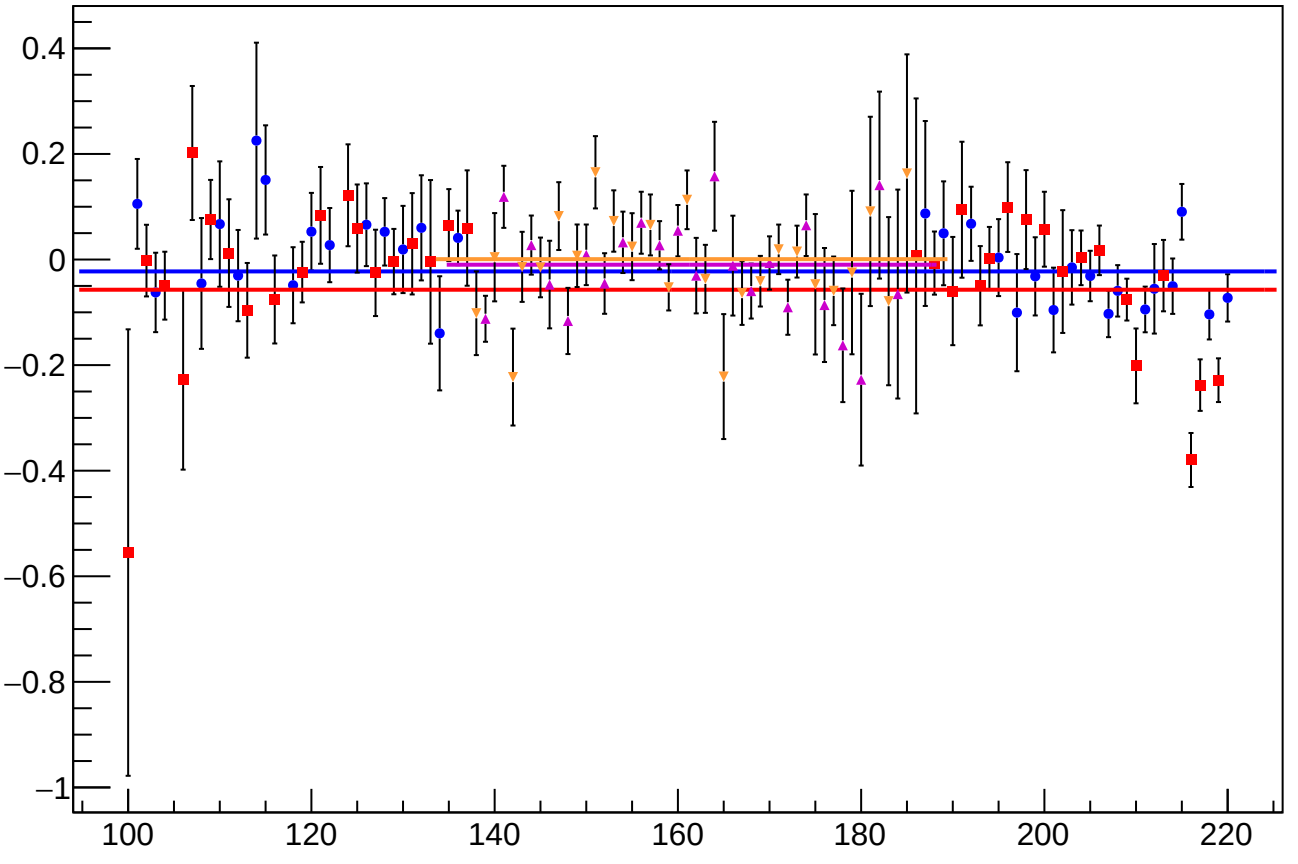
Right Out: 0.002+/-0.000 χ^2/NDF: 9457235.5/36

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 14126451.0/57

All: 0.002+/-0.000 χ^2/NDF: 28382691.3/117

- sign 0.002+/-0.000 χ^2/NDF: 14127631.8/59



Right In: -0.023+/-0.012 χ^2/NDF: 35.7/32

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

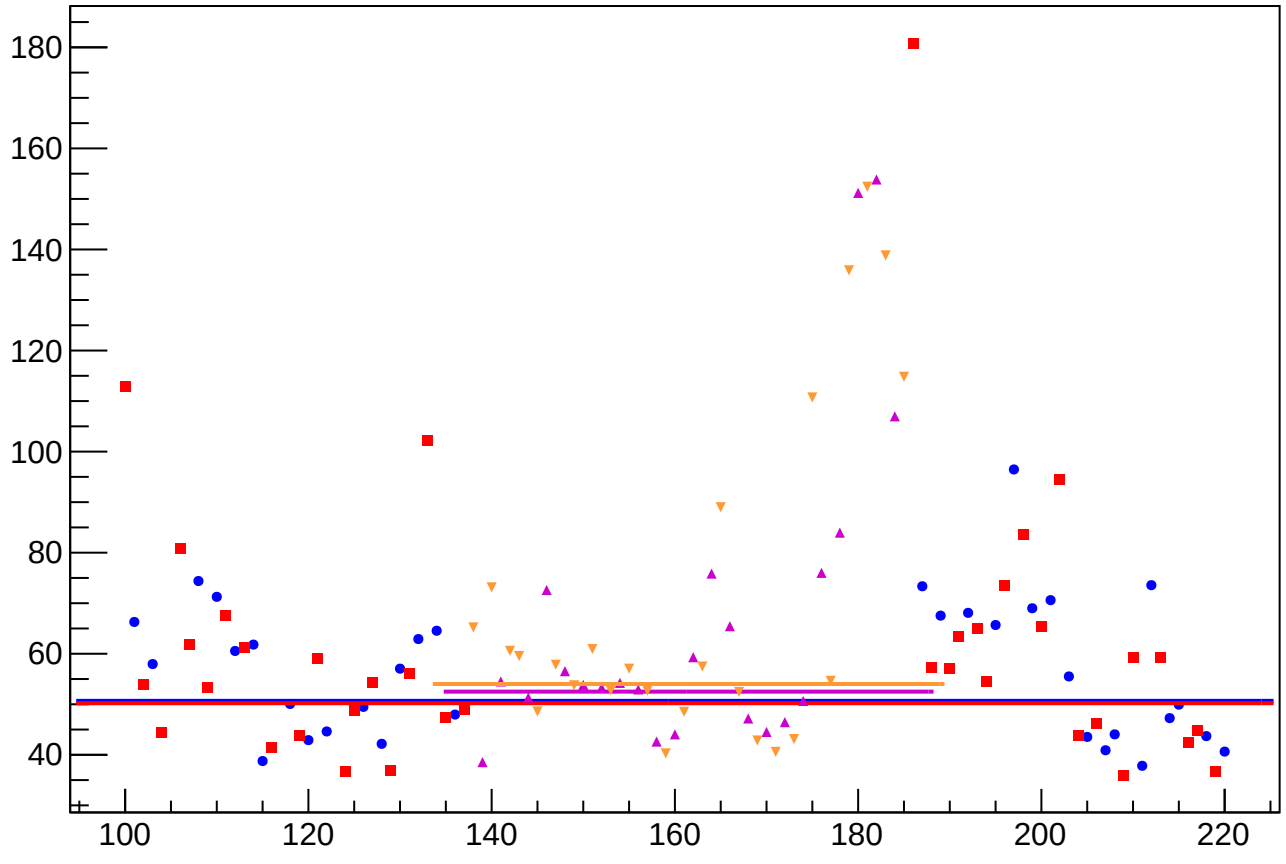
Right Out: -0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.012+/-0.009 χ^2/NDF: 69.1/57

All: -0.024+/-0.006 χ^2/NDF: 227.6/117

- sign -0.036+/-0.009 χ^2/NDF: 154.7/59



Right In: 50.680+/-0.008 χ^2/NDF: 1982818.8/32

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

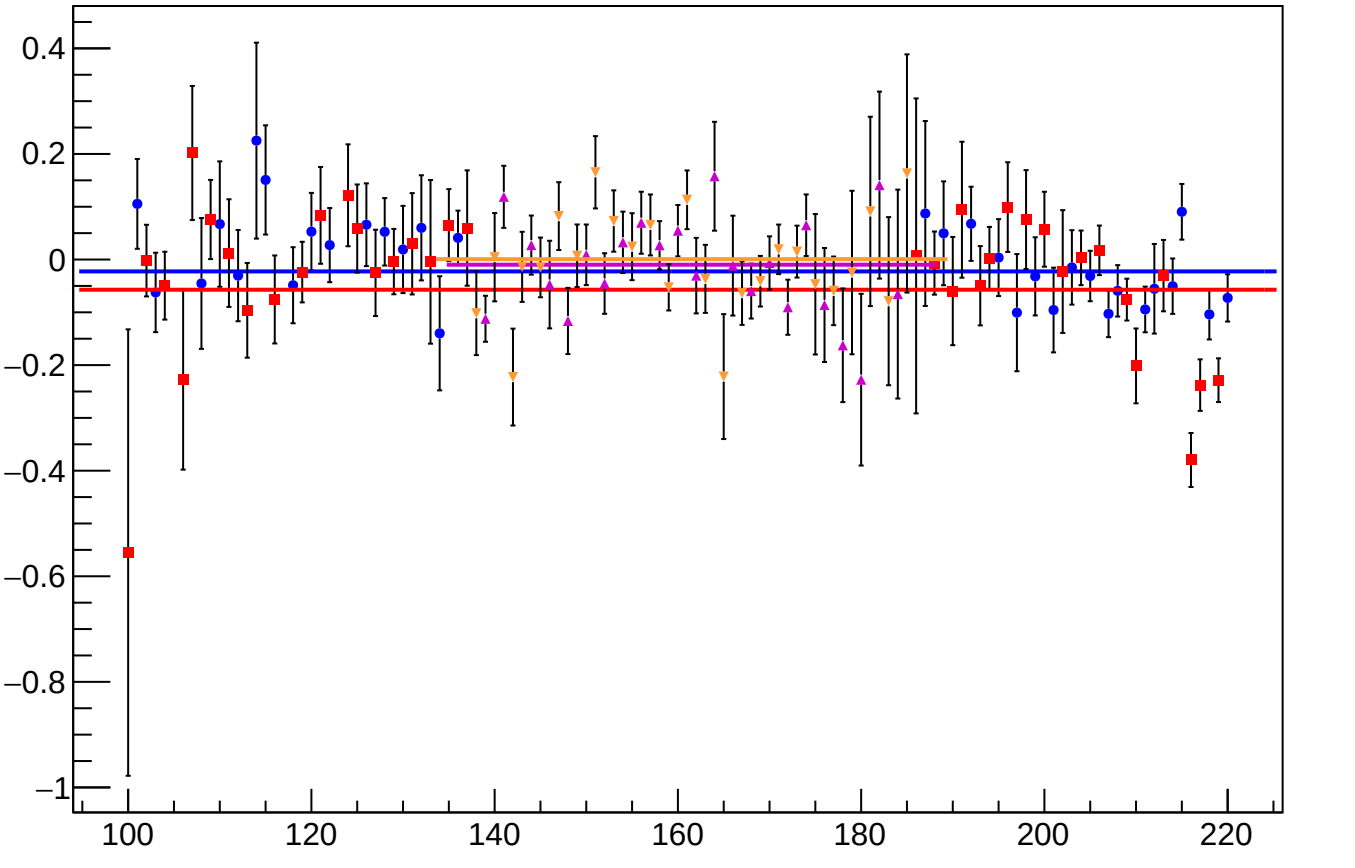
Right Out: 50.211+/-0.008 χ^2/NDF: 2648030.6/36

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 52.148+/-0.006 χ^2/NDF: 5281412.0/57

All: 51.680+/-0.004 χ^2/NDF: 10532315.9/117

- sign 51.215+/-0.006 χ^2/NDF: 5239581.8/59



Right In: -0.023+/-0.012 χ^2/NDF: 35.7/32

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

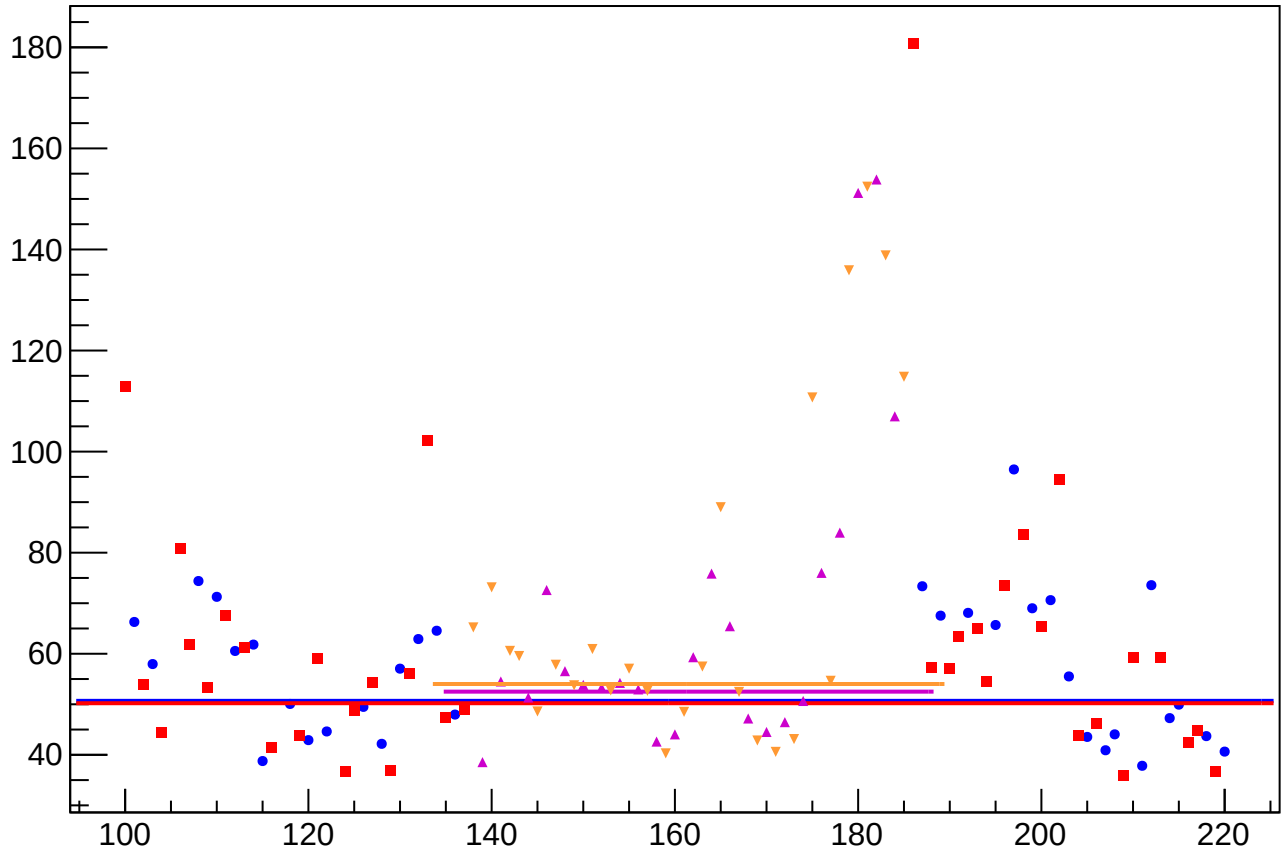
Right Out: -0.057+/-0.012 χ^2/NDF: 115.6/36

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign -0.012+/-0.009 χ^2/NDF: 69.1/57

All: -0.024+/-0.006 χ^2/NDF: 227.6/117

- sign -0.036+/-0.009 χ^2/NDF: 154.7/59



Right In: 50.680+/-0.008 χ^2/NDF: 1982818.8/32

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

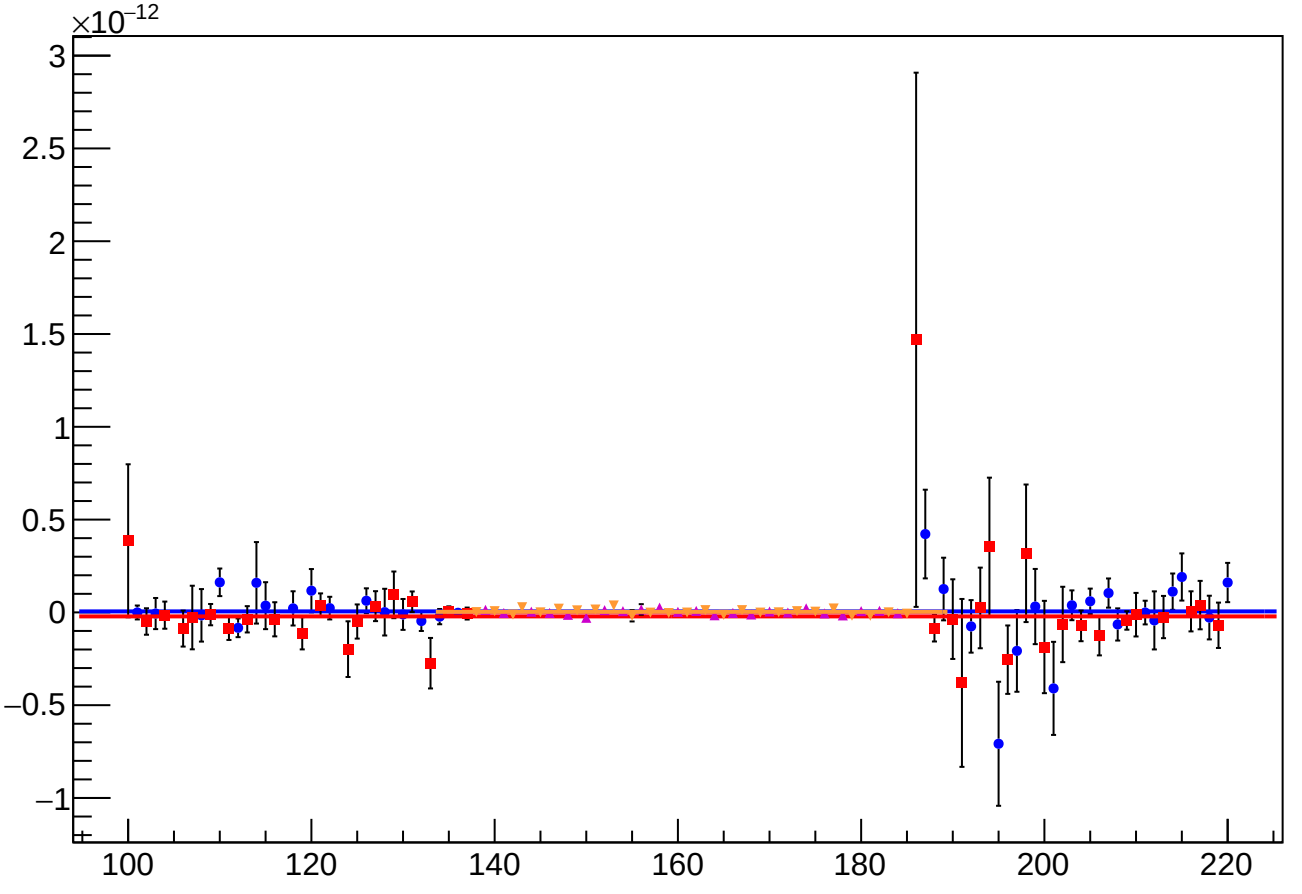
Right Out: 50.211+/-0.008 χ^2/NDF: 2648030.6/36

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 52.148+/-0.006 χ^2/NDF: 5281412.0/57

All: 51.680+/-0.004 χ^2/NDF: 10532315.9/117

- sign 51.215+/-0.006 χ^2/NDF: 5239581.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 32.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

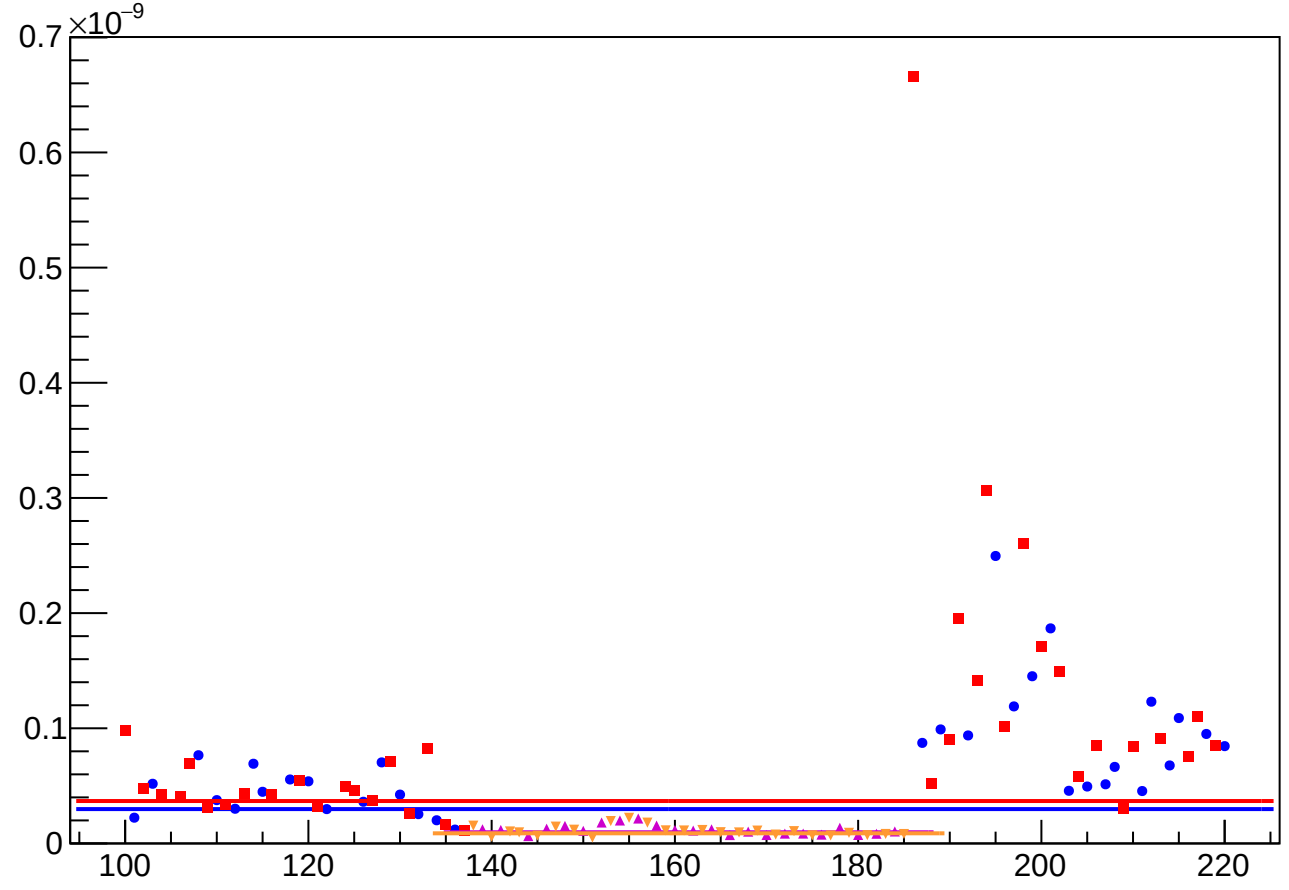
Right Out: -0.000+/-0.000 χ^2/NDF: 22.5/36

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.3/57

All: 0.000+/-0.000 χ^2/NDF: 95.6/117

- sign 0.000+/-0.000 χ^2/NDF: 40.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 10736063.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10188114.6/36

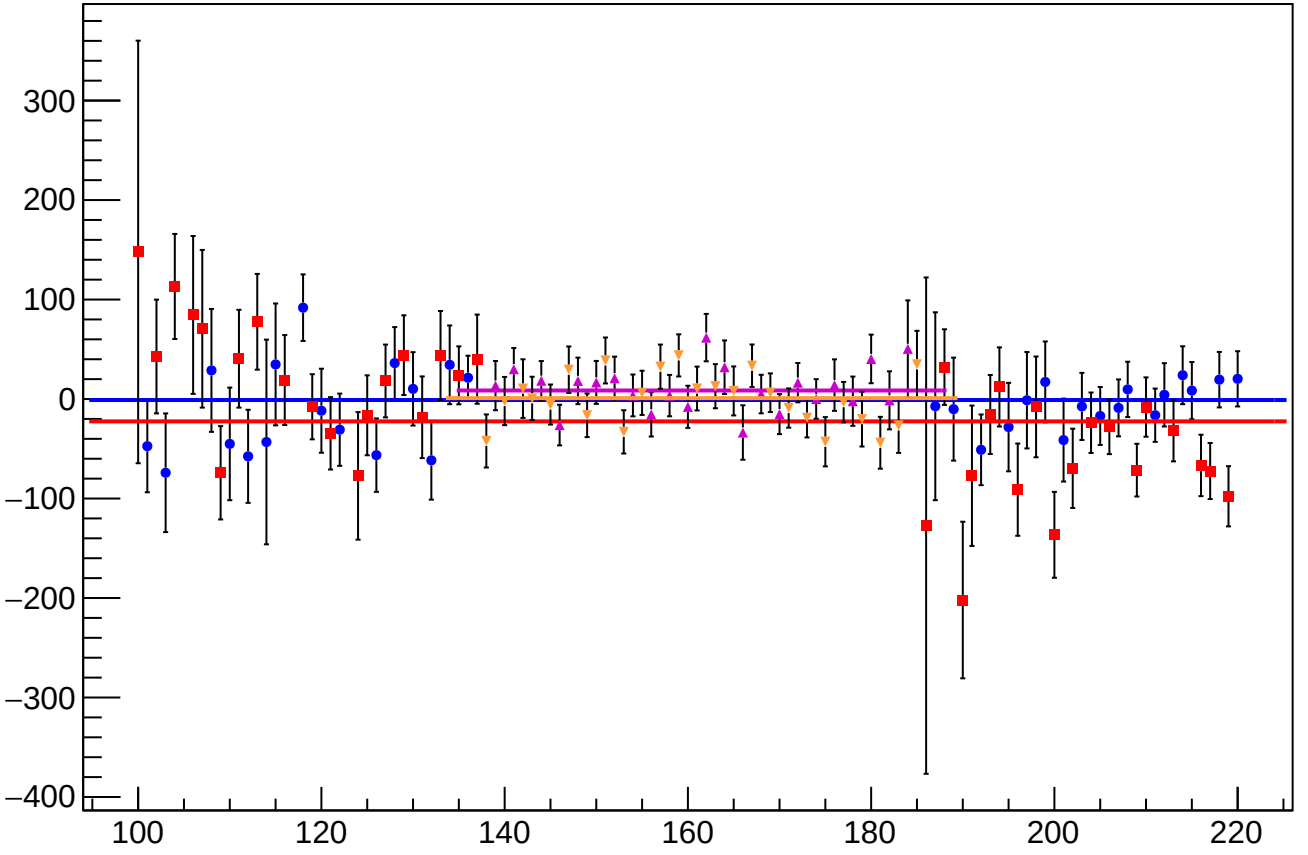
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 20284784.6/57

All: 0.000+/-0.000 χ^2/NDF: 41461500.1/117

- sign 0.000+/-0.000 χ^2/NDF: 21023120.4/59

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -0.990+/-6.296 χ^2/NDF: 27.8/32

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -22.447+/-6.558 χ^2/NDF: 66.1/36

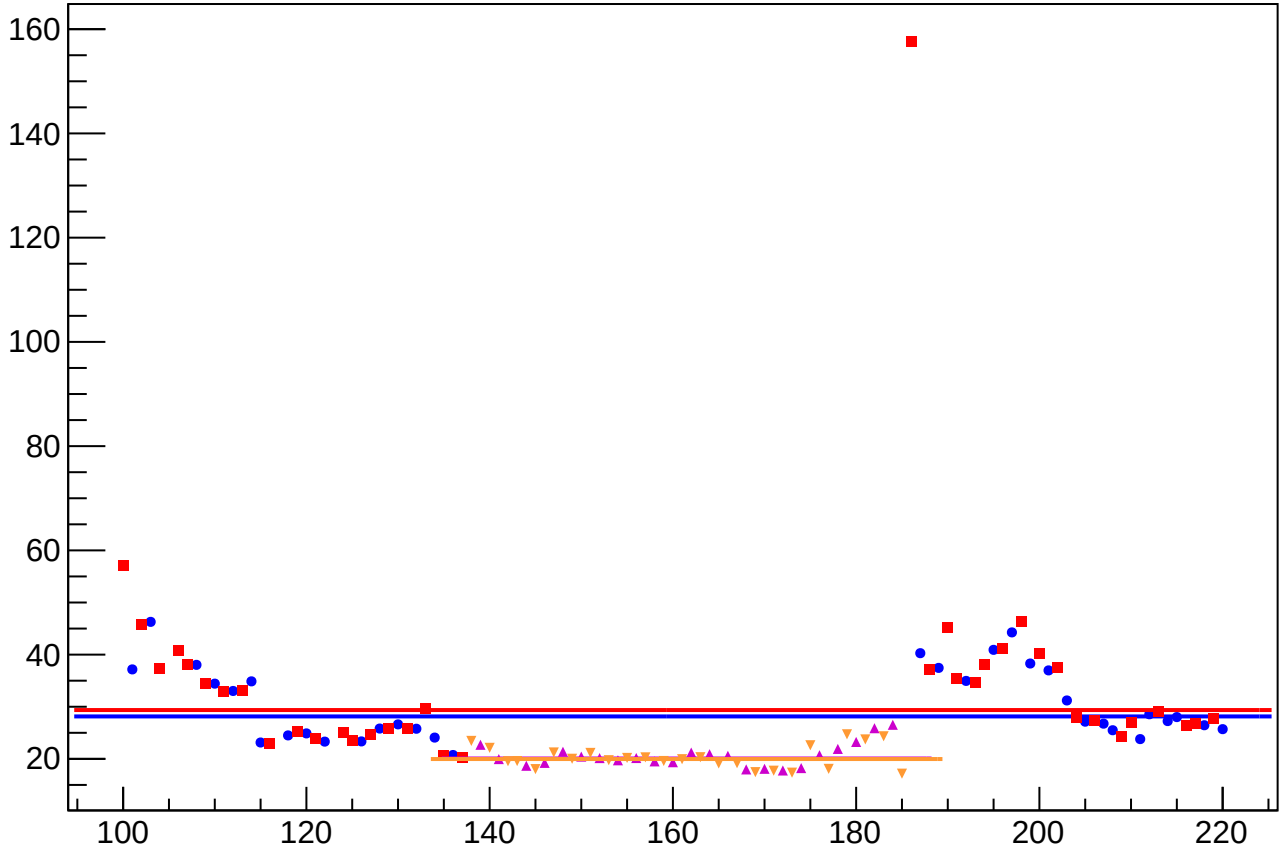
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.258+/-3.701 χ^2/NDF: 57.0/57

All: -0.834+/-2.662 χ^2/NDF: 157.5/117

- sign -2.005+/-3.833 χ^2/NDF: 100.3/59

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.143+/-0.004 χ^2/NDF: 1640747.9/32

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

Right Out: 29.367+/-0.005 χ^2/NDF: 2395717.9/36

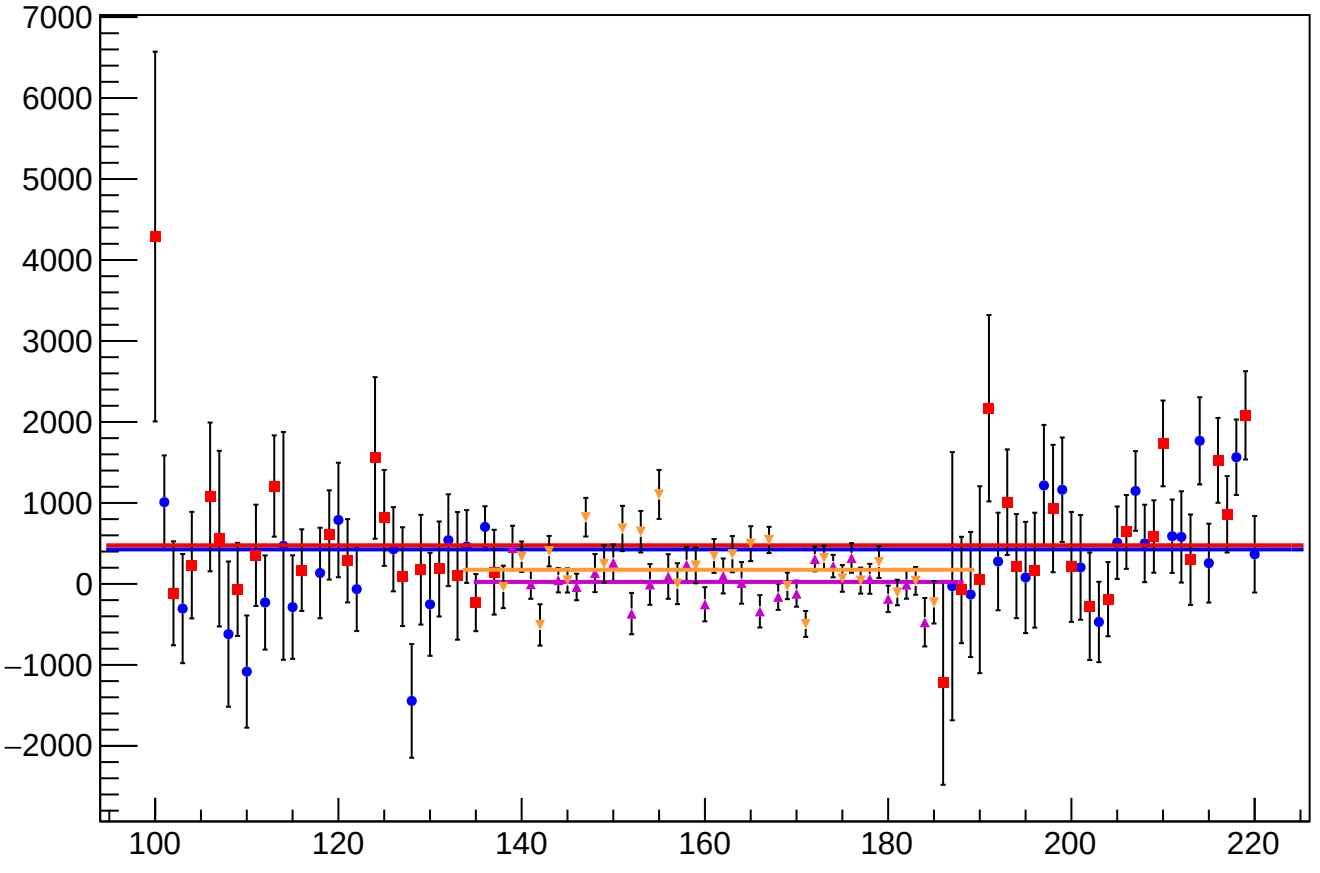
Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.793+/-0.003 χ^2/NDF: 4234400.2/57

All: 23.012+/-0.002 χ^2/NDF: 9591386.1/117

- sign 23.247+/-0.003 χ^2/NDF: 5342424.3/59

asym_sam_1357_2468_dd_reg_correction_mean vs Slug



Right In: 426.110+/-94.994 χ^2/NDF: 43.2/32

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

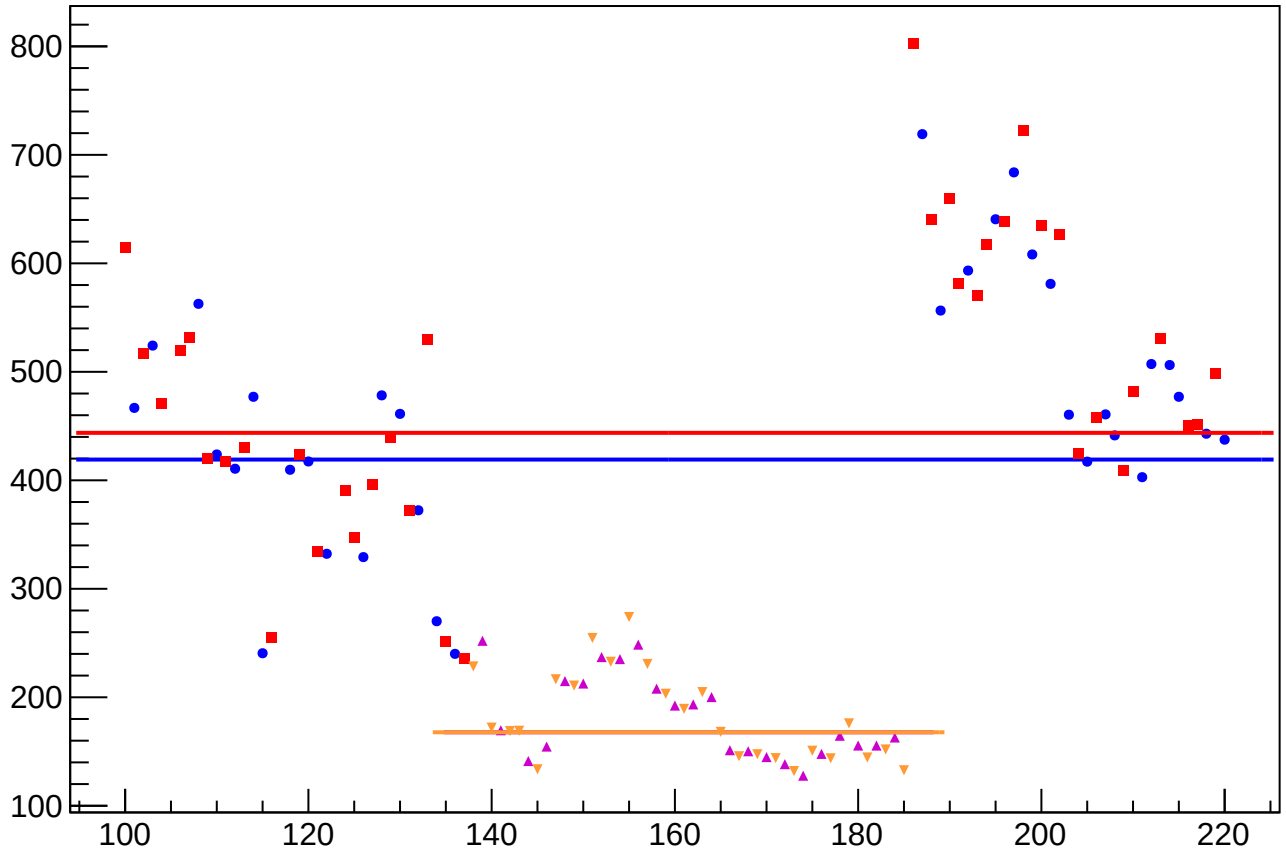
Right Out: 477.098+/-99.416 χ^2/NDF: 43.1/36

Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 211.035+/-36.117 χ^2/NDF: 120.4/57

All: 151.194+/-25.901 χ^2/NDF: 213.8/117

- sign 87.828+/-37.165 χ^2/NDF: 87.8/59



Right In: 419.130+/-0.067 χ^2/NDF: 2855510.3/32

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 443.764+/-0.070 χ^2/NDF: 2954168.2/36

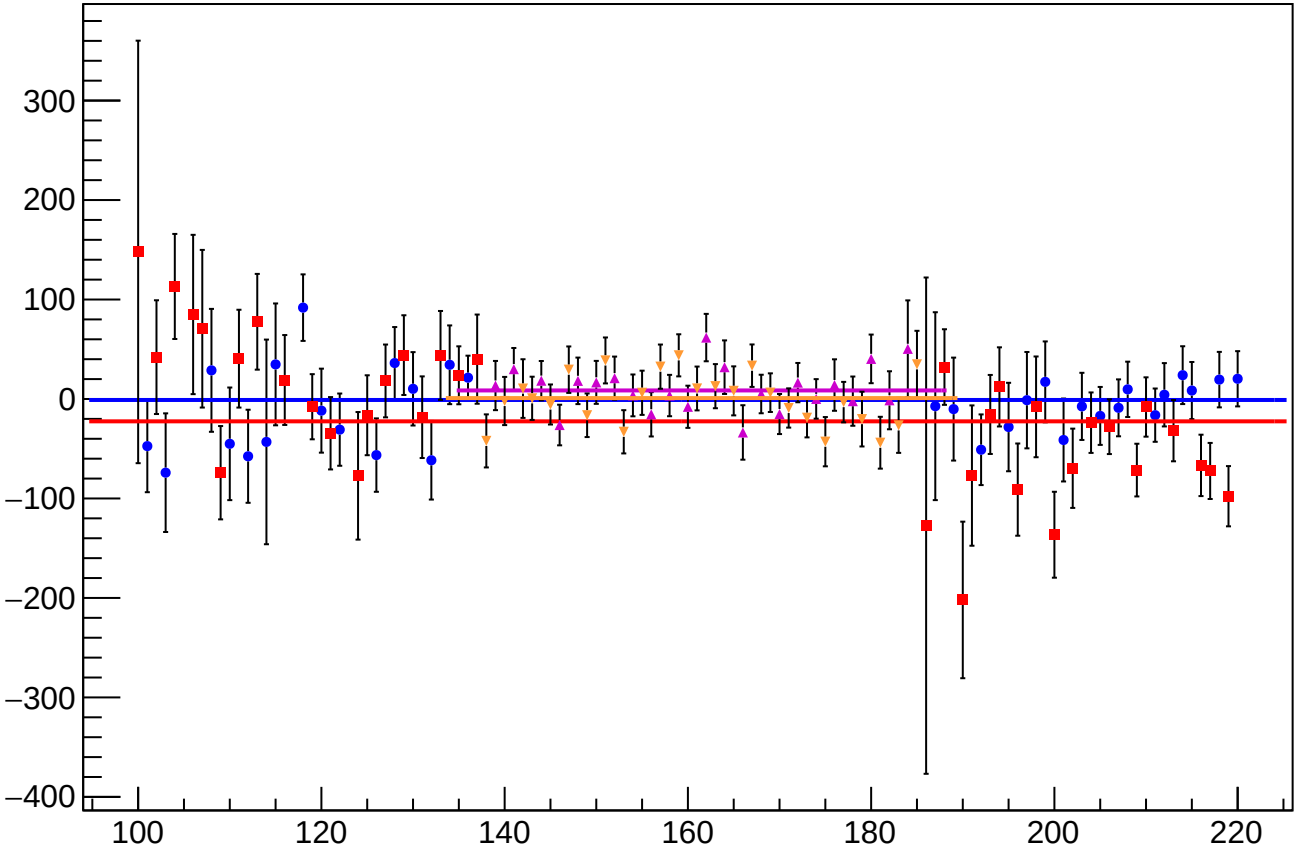
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 204.091+/-0.026 χ^2/NDF: 16414341.5/57

All: 205.175+/-0.018 χ^2/NDF: 34037409.2/11

- sign 206.322+/-0.026 χ^2/NDF: 17619361.7/59

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -0.988+/-6.296 χ^2/NDF: 27.7/32

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -22.468+/-6.559 χ^2/NDF: 66.1/36

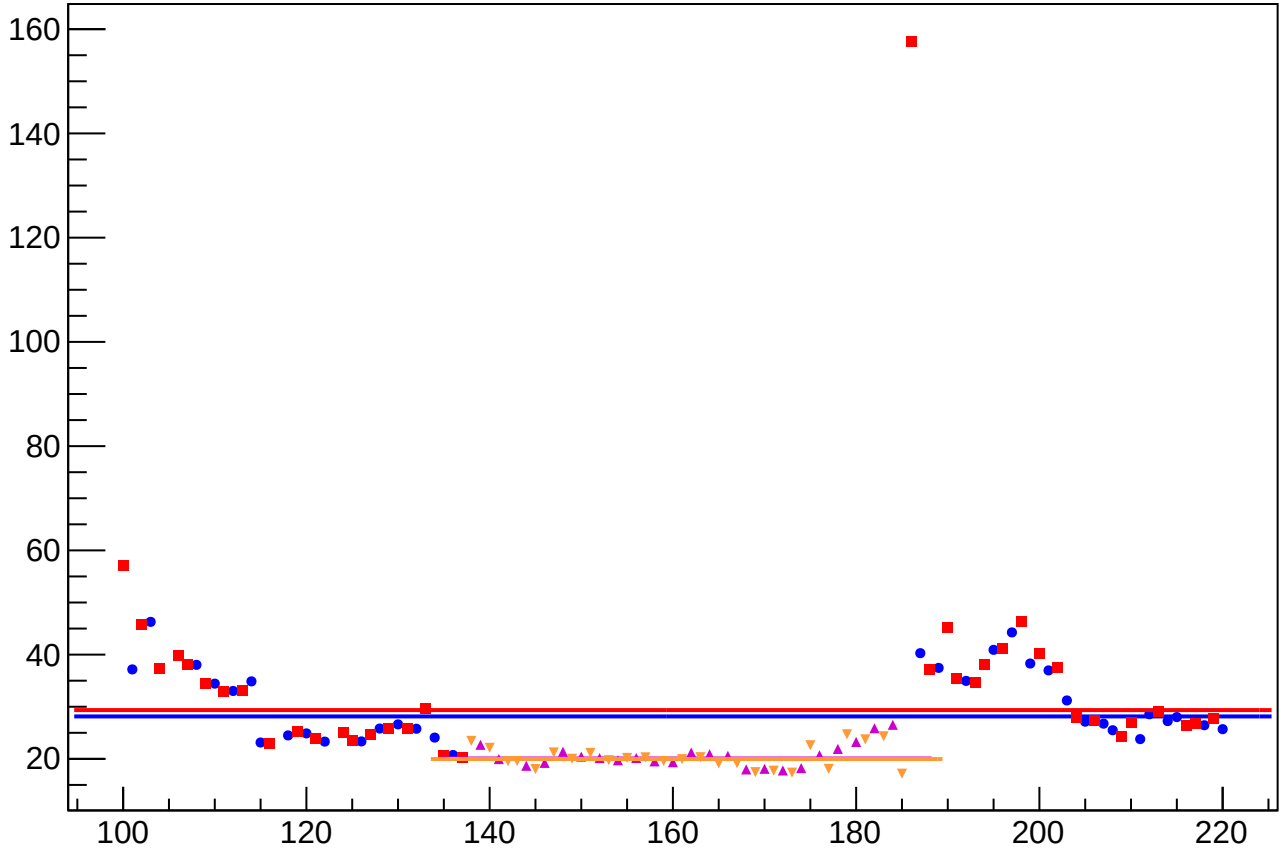
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

\+ sign 0.257+/-3.701 χ^2/NDF: 57.0/57

All: -0.837+/-2.662 χ^2/NDF: 157.4/117

\- sign -2.011+/-3.833 χ^2/NDF: 100.2/59

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.143+/-0.004 χ^2/NDF: 1640751.2/32

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

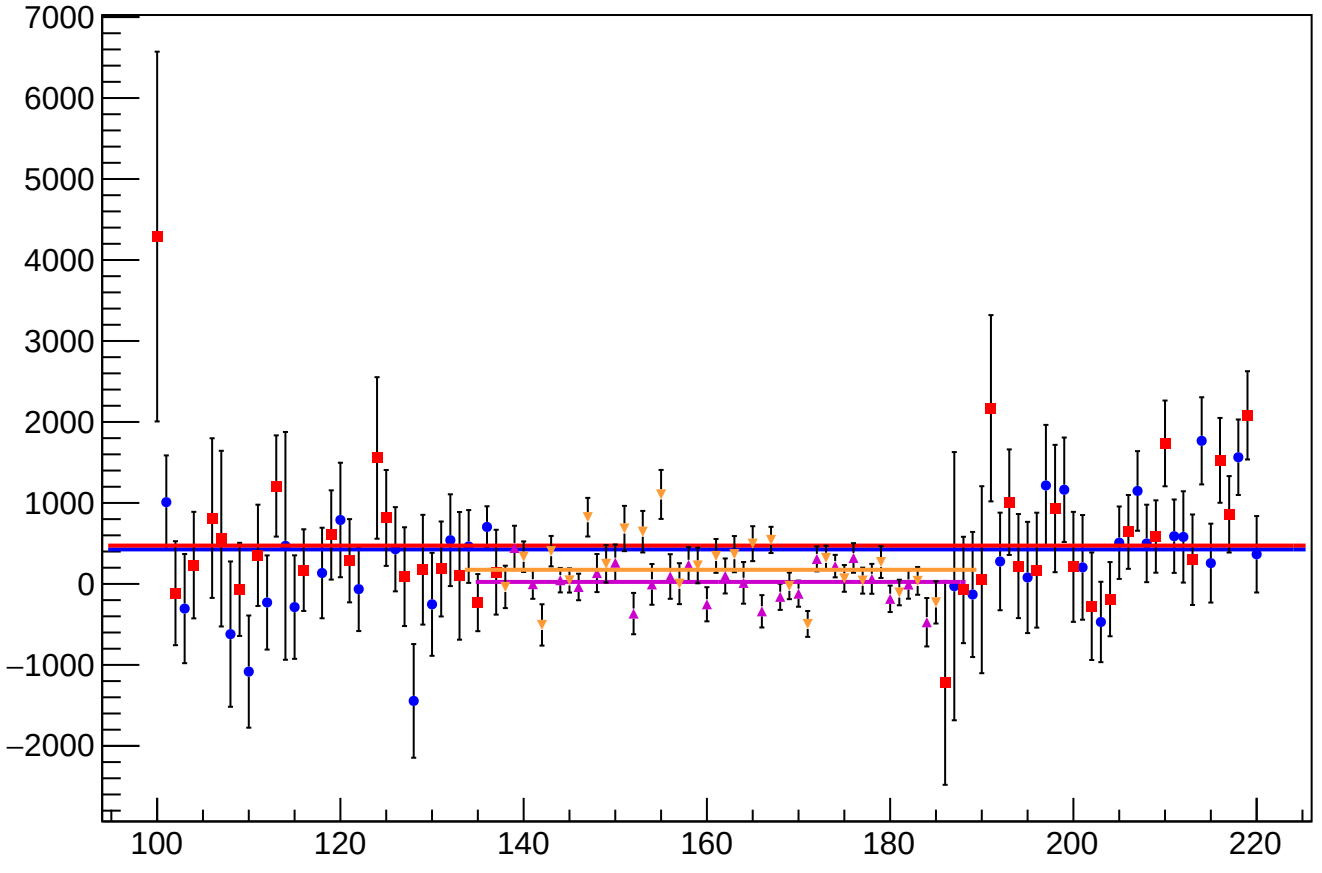
Right Out: 29.358+/-0.005 χ^2/NDF: 2387794.6/36

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.793+/-0.003 χ^2/NDF: 4234403.5/57

All: 23.010+/-0.002 χ^2/NDF: 9578109.9/117

- sign 23.244+/-0.003 χ^2/NDF: 5329351.5/59



Right In: 426.108+/-94.994 χ^2/NDF: 43.2/32

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

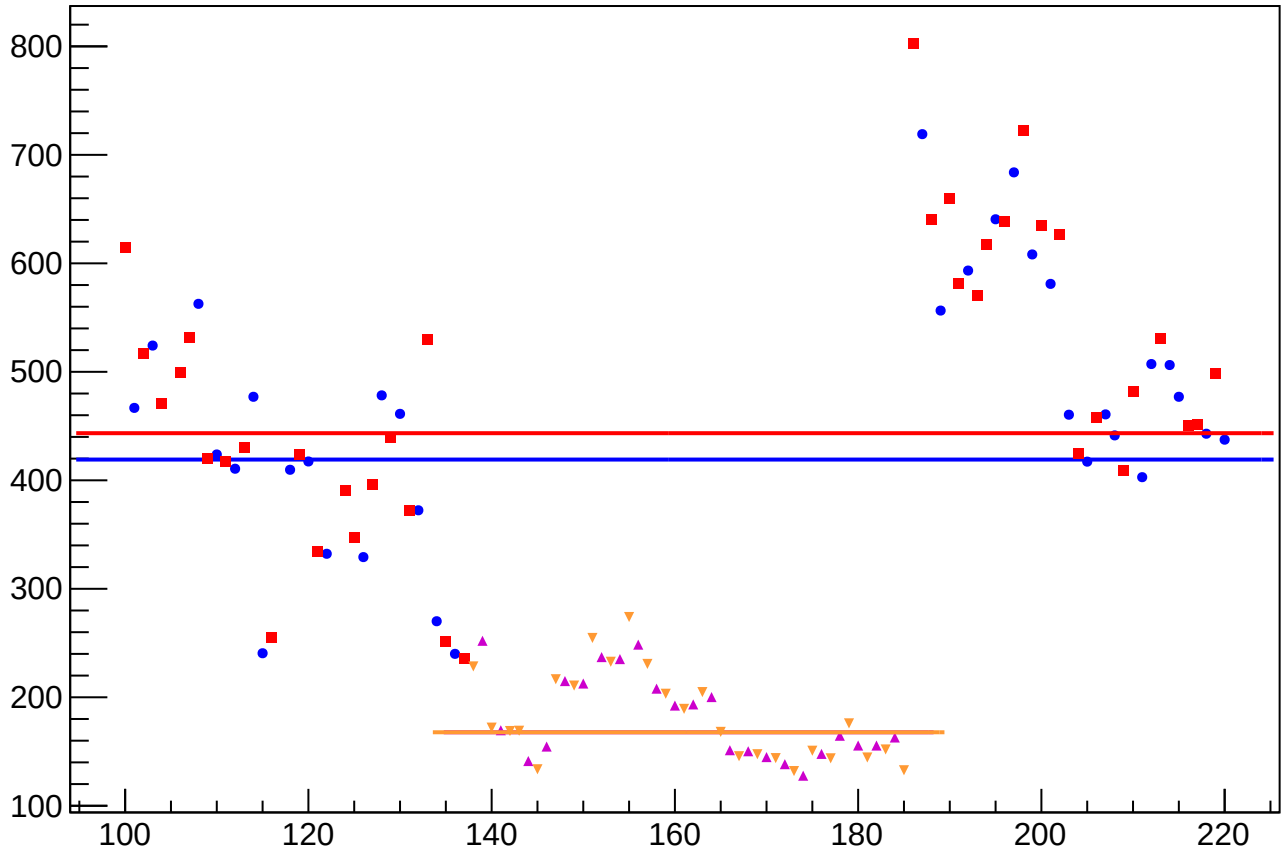
Right Out: 473.565+/-99.494 χ^2/NDF: 42.8/36

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 211.033+/-36.117 χ^2/NDF: 120.4/57

All: 150.919+/-25.902 χ^2/NDF: 213.3/117

- sign 87.251+/-37.169 χ^2/NDF: 87.2/59



Right In: 419.130+/-0.067 χ^2/NDF: 2855535.0/32

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

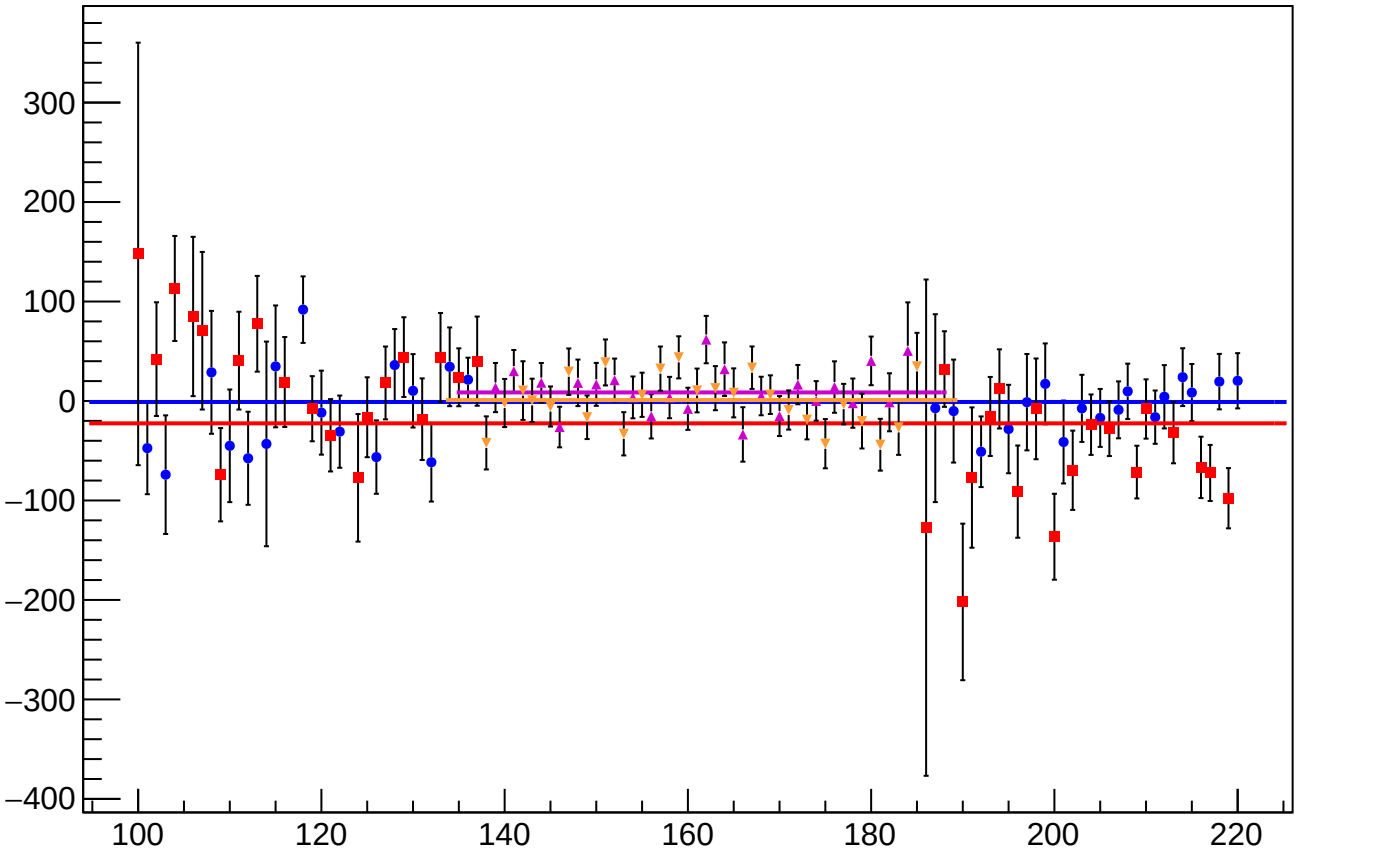
Right Out: 443.444+/-0.070 χ^2/NDF: 2946966.7/36

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 204.091+/-0.026 χ^2/NDF: 16414368.4/57

All: 205.128+/-0.018 χ^2/NDF: 33981332.7/11

- sign 206.225+/-0.026 χ^2/NDF: 17563572.3/59



Right In: -0.988+/-6.296 χ^2/NDF: 27.7/32

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -22.468+/-6.559 χ^2/NDF: 66.1/36

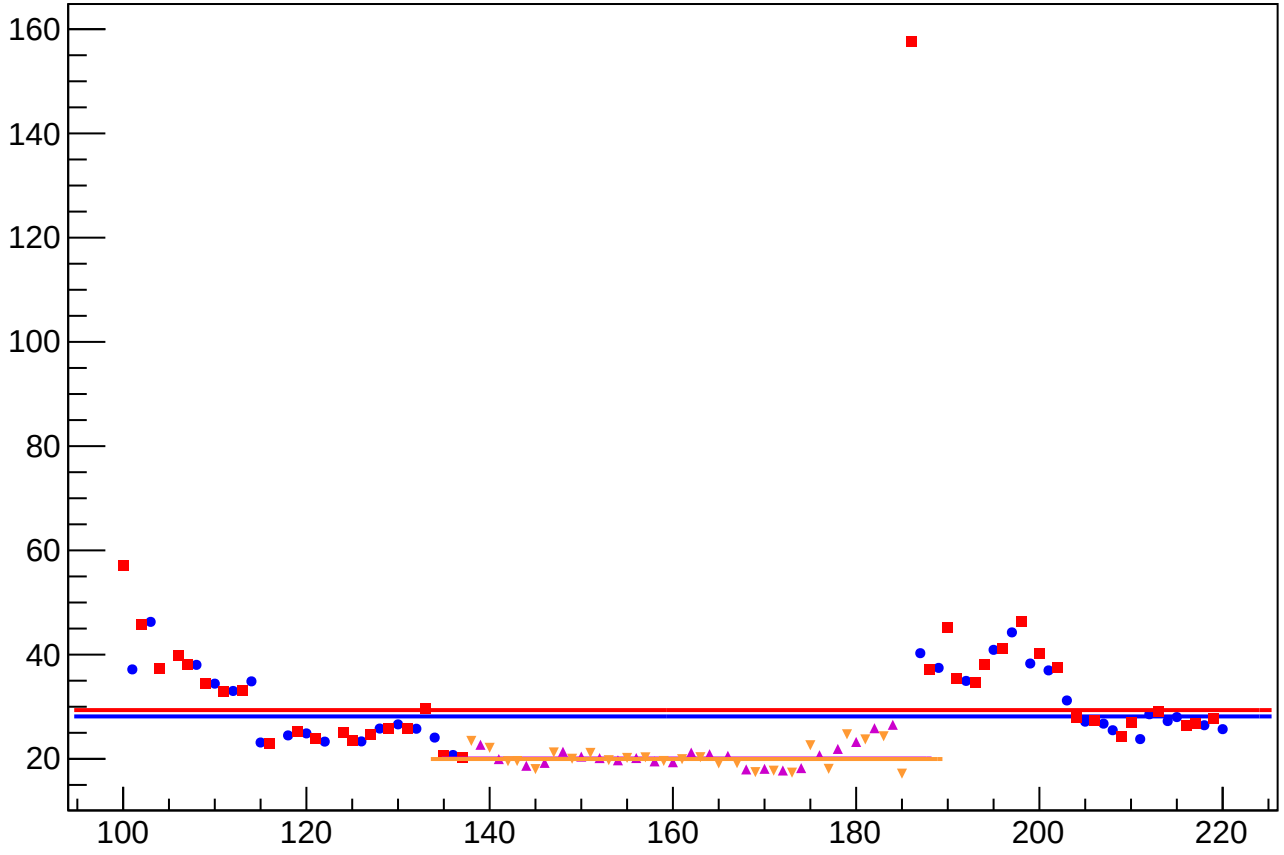
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign 0.257+/-3.701 χ^2/NDF: 57.0/57

All: -0.837+/-2.662 χ^2/NDF: 157.4/117

- sign -2.011+/-3.833 χ^2/NDF: 100.2/59

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.143+/-0.004 χ^2/NDF: 1640751.2/32

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

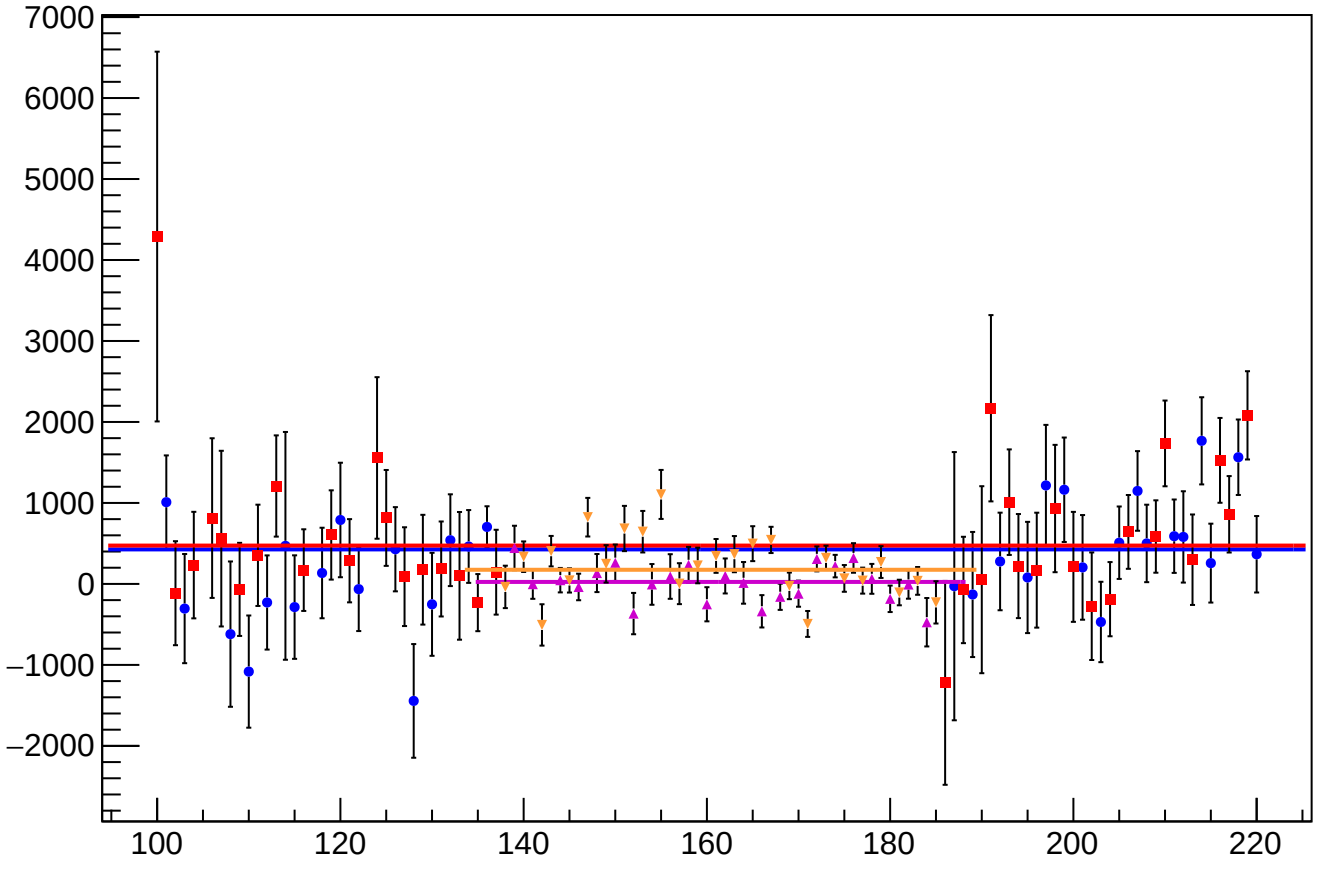
Right Out: 29.358+/-0.005 χ^2/NDF: 2387794.6/36

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.793+/-0.003 χ^2/NDF: 4234403.5/57

All: 23.010+/-0.002 χ^2/NDF: 9578109.9/117

- sign 23.244+/-0.003 χ^2/NDF: 5329351.5/59



Right In: 426.108+/-94.994 χ^2/NDF: 43.2/32

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

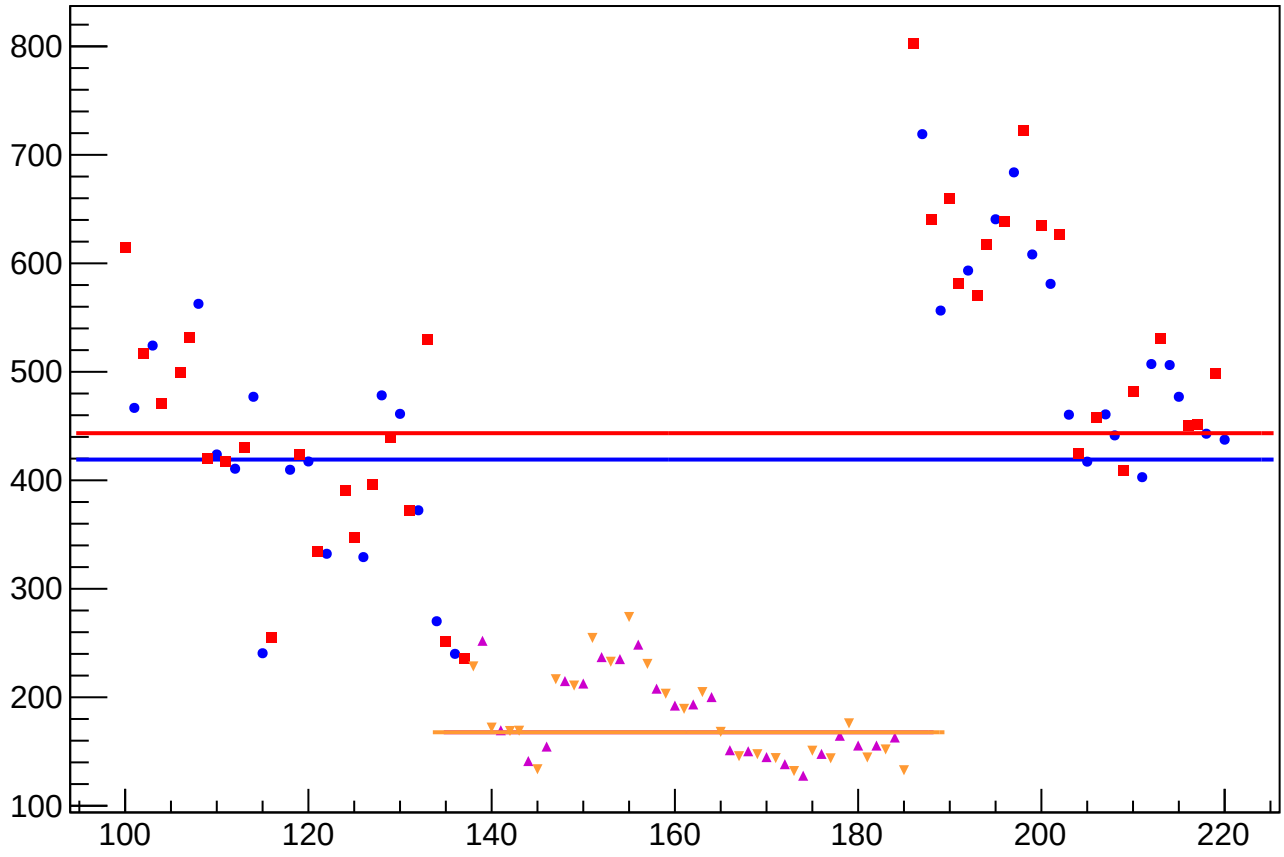
Right Out: 473.565+/-99.494 χ^2/NDF: 42.8/36

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 211.033+/-36.117 χ^2/NDF: 120.4/57

All: 150.919+/-25.902 χ^2/NDF: 213.3/117

- sign 87.251+/-37.169 χ^2/NDF: 87.2/59



Right In: 419.130+/-0.067 χ^2/NDF: 2855535.0/32

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 443.444+/-0.070 χ^2/NDF: 2946966.7/36

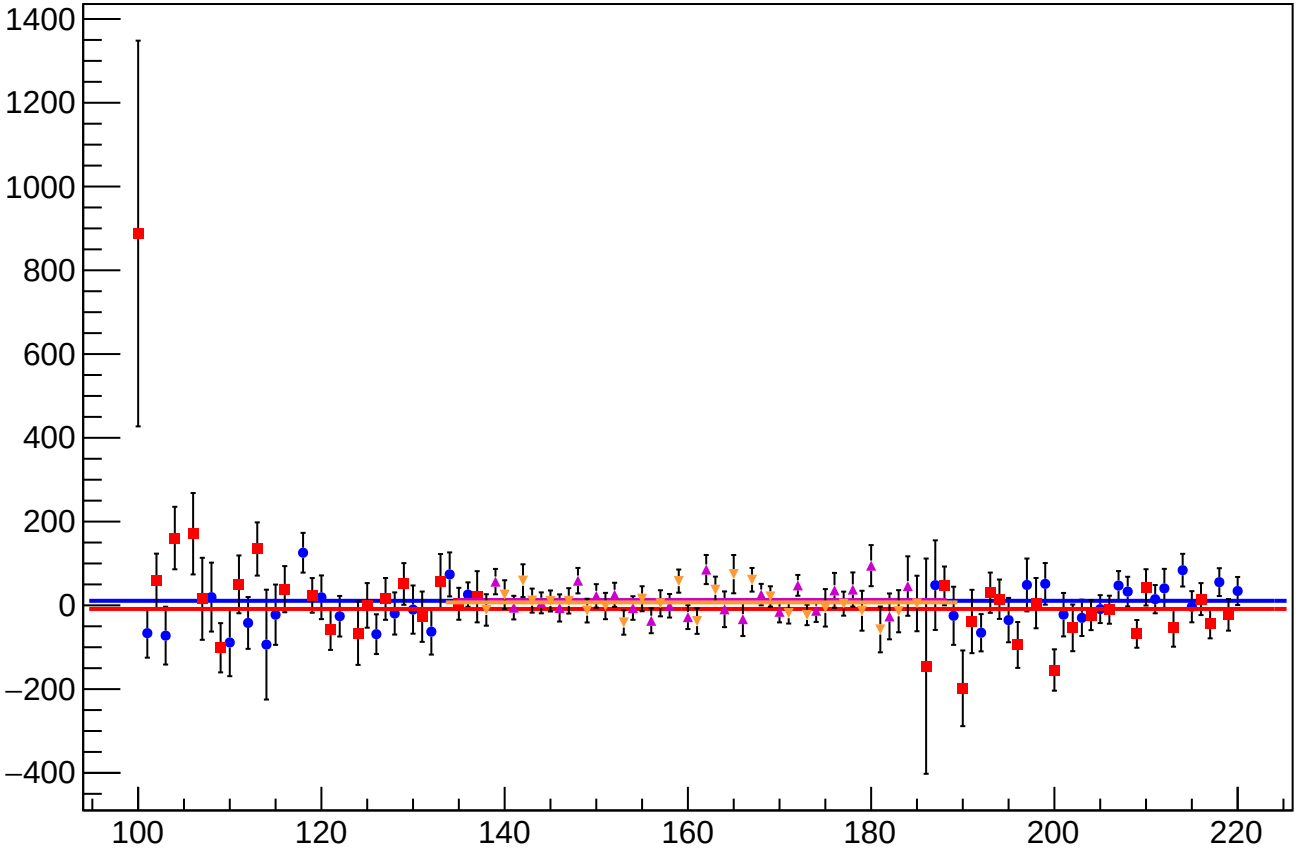
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 204.091+/-0.026 χ^2/NDF: 16414368.4/57

All: 205.128+/-0.018 χ^2/NDF: 33981332.7/11

- sign 206.225+/-0.026 χ^2/NDF: 17563572.3/59

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 10.846+/-8.072 χ^2/NDF: 34.2/32

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -8.579+/-8.357 χ^2/NDF: 54.2/36

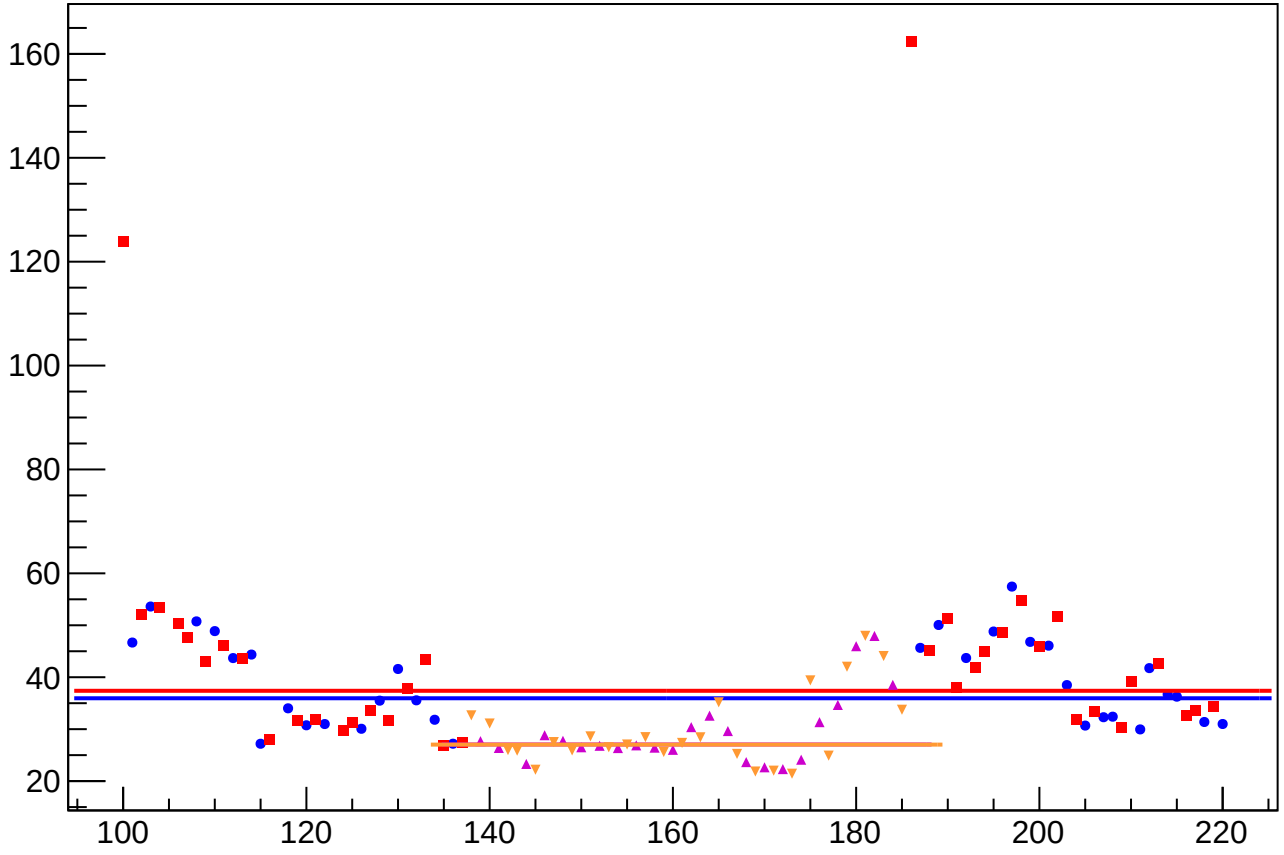
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 8.514+/-4.983 χ^2/NDF: 57.1/57

All: 6.644+/-3.577 χ^2/NDF: 141.2/117

- sign 4.656+/-5.137 χ^2/NDF: 83.8/59

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 35.948+/-0.006 χ^2/NDF: 1628878.5/32

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

Right Out: 37.387+/-0.006 χ^2/NDF: 2175270.0/36

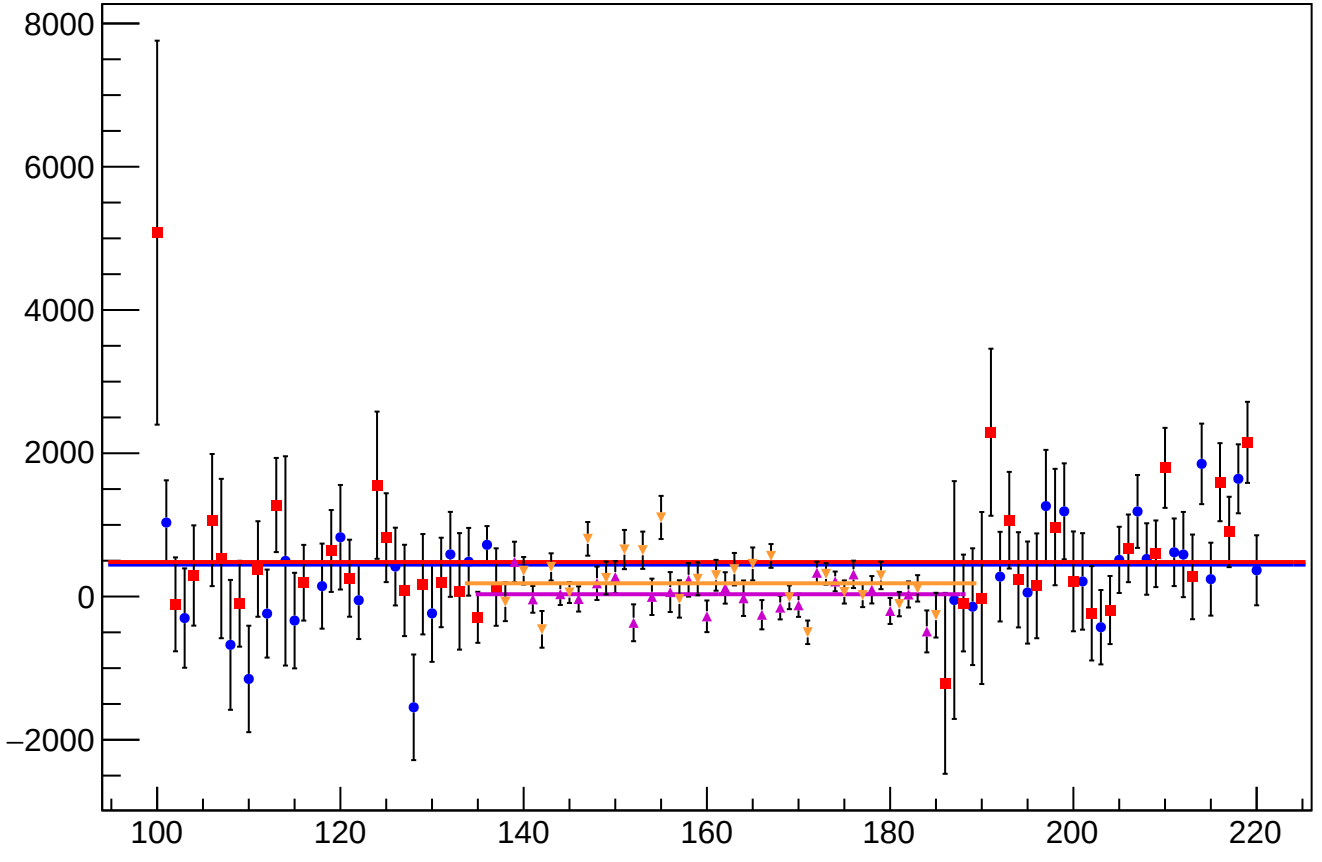
Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 30.426+/-0.004 χ^2/NDF: 4571722.9/57

All: 30.684+/-0.003 χ^2/NDF: 9705428.0/117

- sign 30.958+/-0.004 χ^2/NDF: 5122642.0/59

asym_sam_1357_2468_dd_dit_correction_mean vs Slug



Right In: 445.657+/-98.833 χ^2/NDF: 43.0/32

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

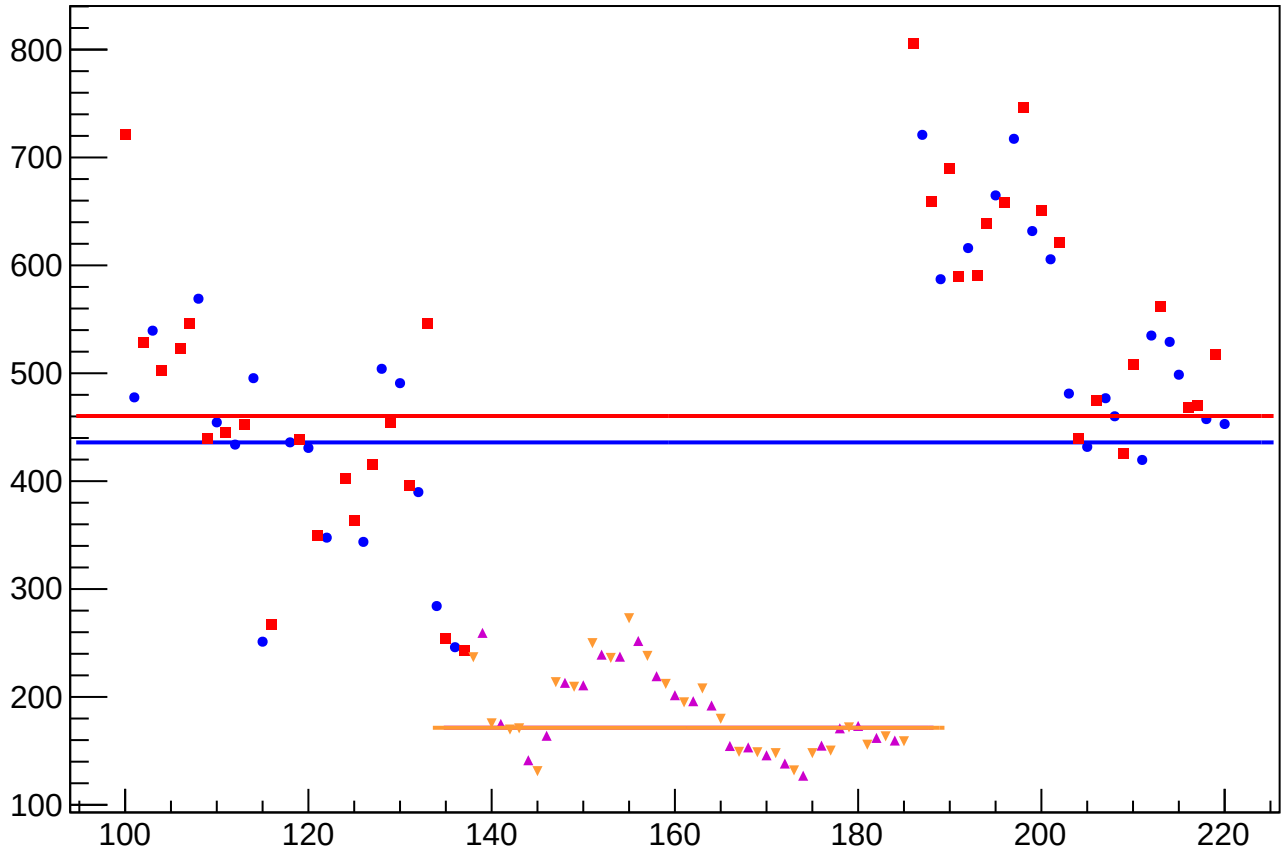
Right Out: 481.453+/-103.108 χ^2/NDF: 44.2/36

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 221.142+/-36.944 χ^2/NDF: 116.7/57

All: 159.107+/-26.515 χ^2/NDF: 209.5/117

- sign 93.205+/-38.078 χ^2/NDF: 87.0/59



Right In: 435.910+/-0.070 χ^2/NDF: 2905907.3/32

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 460.391+/-0.073 χ^2/NDF: 2942486.9/36

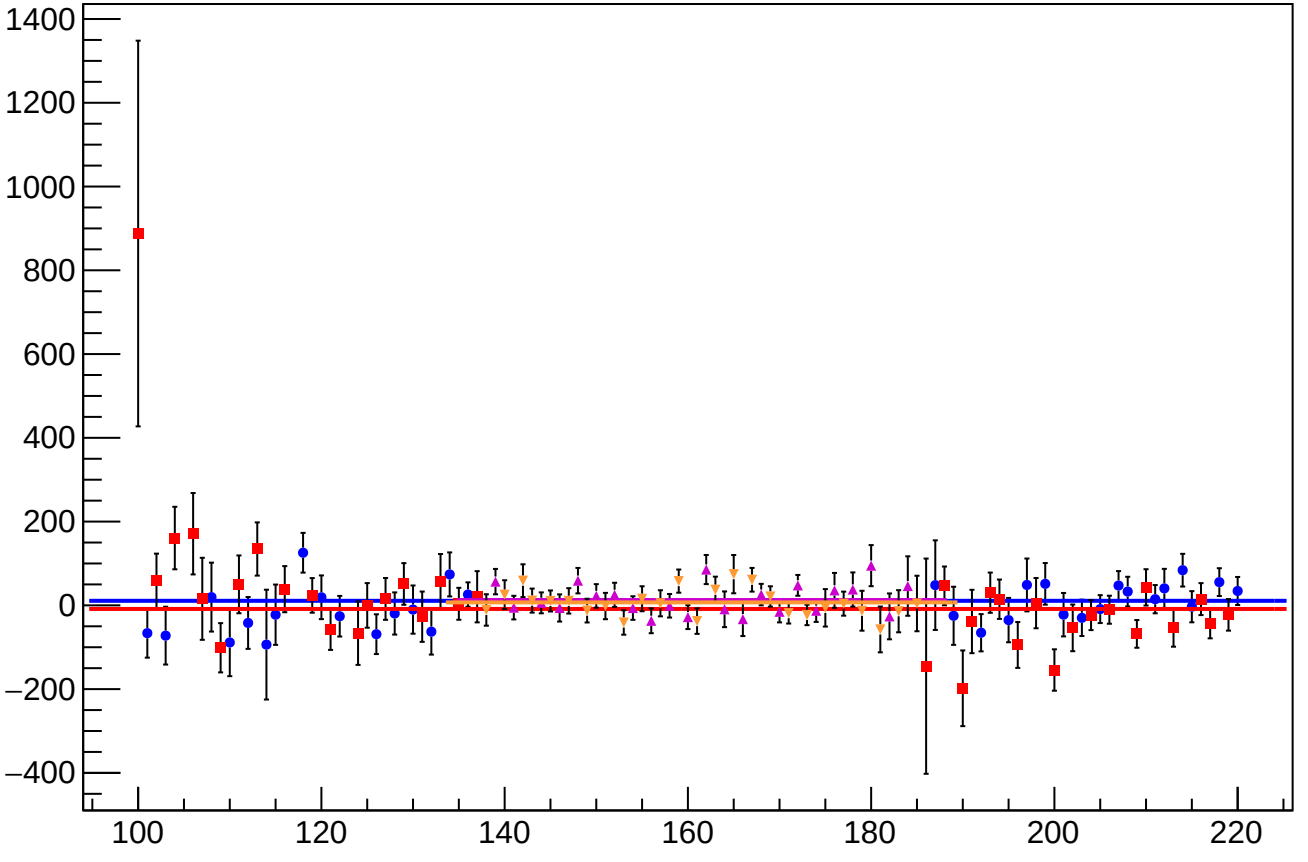
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 208.383+/-0.026 χ^2/NDF: 16753990.2/57

All: 209.600+/-0.019 χ^2/NDF: 34676791.0/11

- sign 210.892+/-0.027 χ^2/NDF: 17918328.7/59

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: 10.844+/-8.072 χ^2/NDF: 34.2/32

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -8.580+/-8.357 χ^2/NDF: 54.2/36

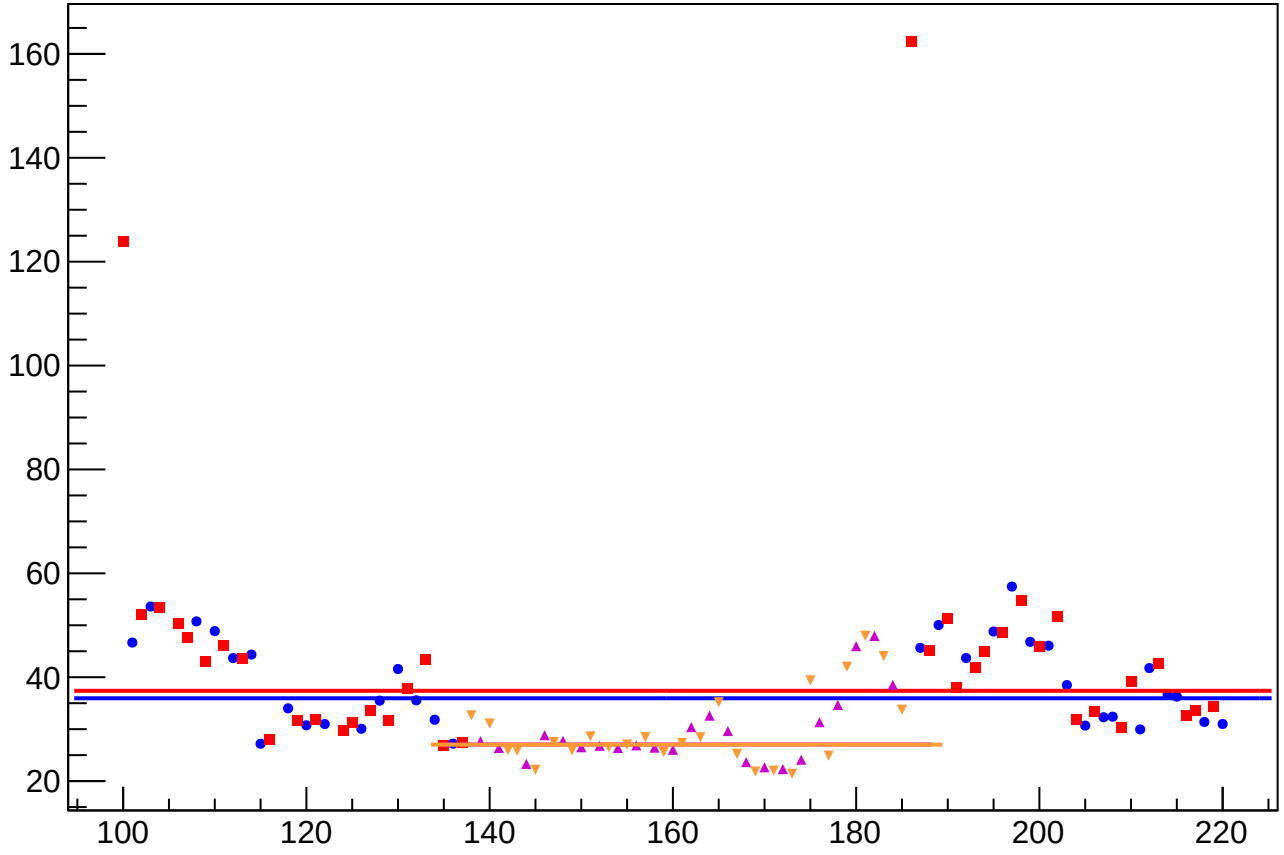
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 8.514+/-4.983 χ^2/NDF: 57.1/57

All: 6.644+/-3.577 χ^2/NDF: 141.2/117

- sign 4.656+/-5.137 χ^2/NDF: 83.8/59

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 35.948+/-0.006 χ^2/NDF: 1628883.7/32

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

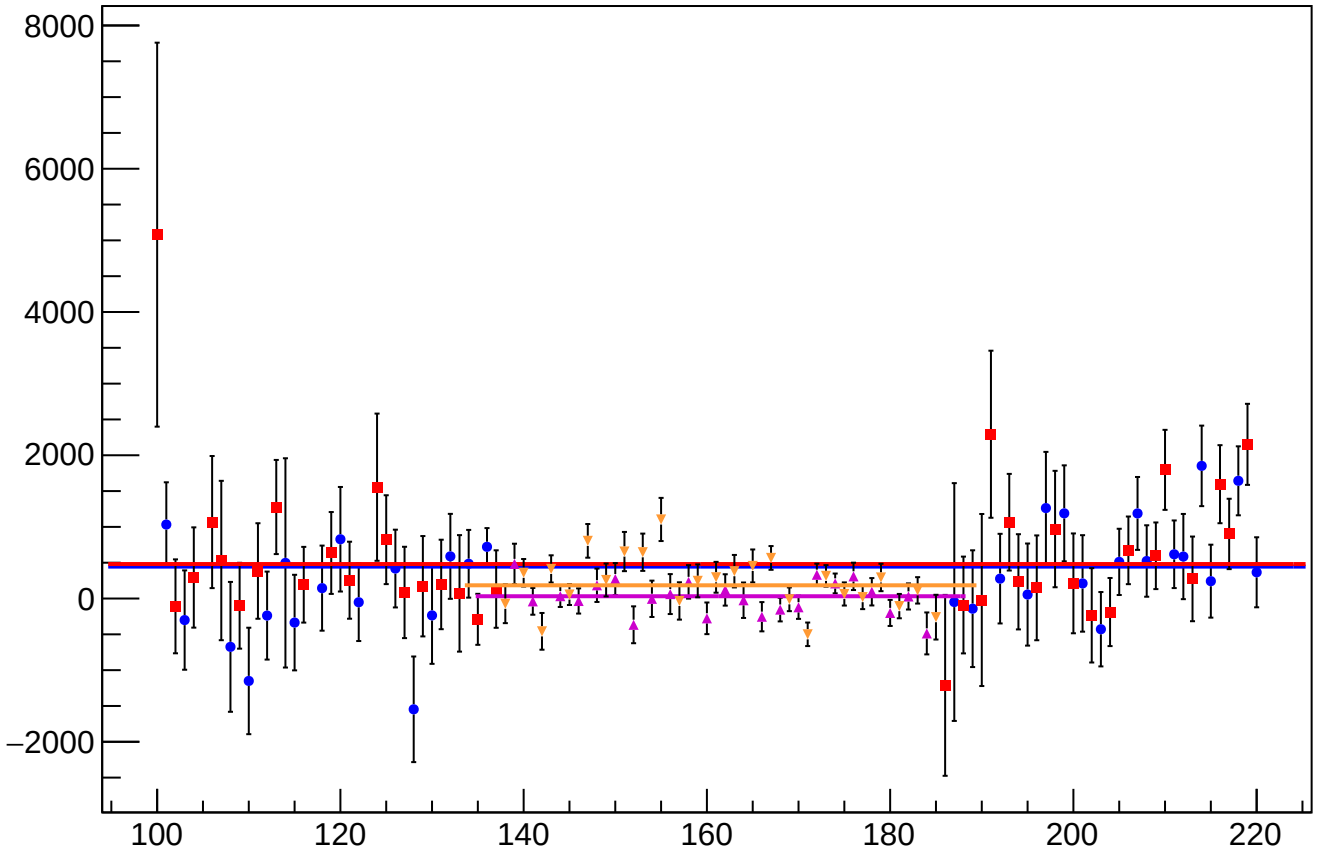
Right Out: 37.387+/-0.006 χ^2/NDF: 2175244.0/36

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 30.426+/-0.004 χ^2/NDF: 4571609.7/57

All: 30.684+/-0.003 χ^2/NDF: 9705207.7/117

- sign 30.958+/-0.004 χ^2/NDF: 5122533.2/59



Right In: 445.655+/-98.833 χ^2/NDF: 43.0/32

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

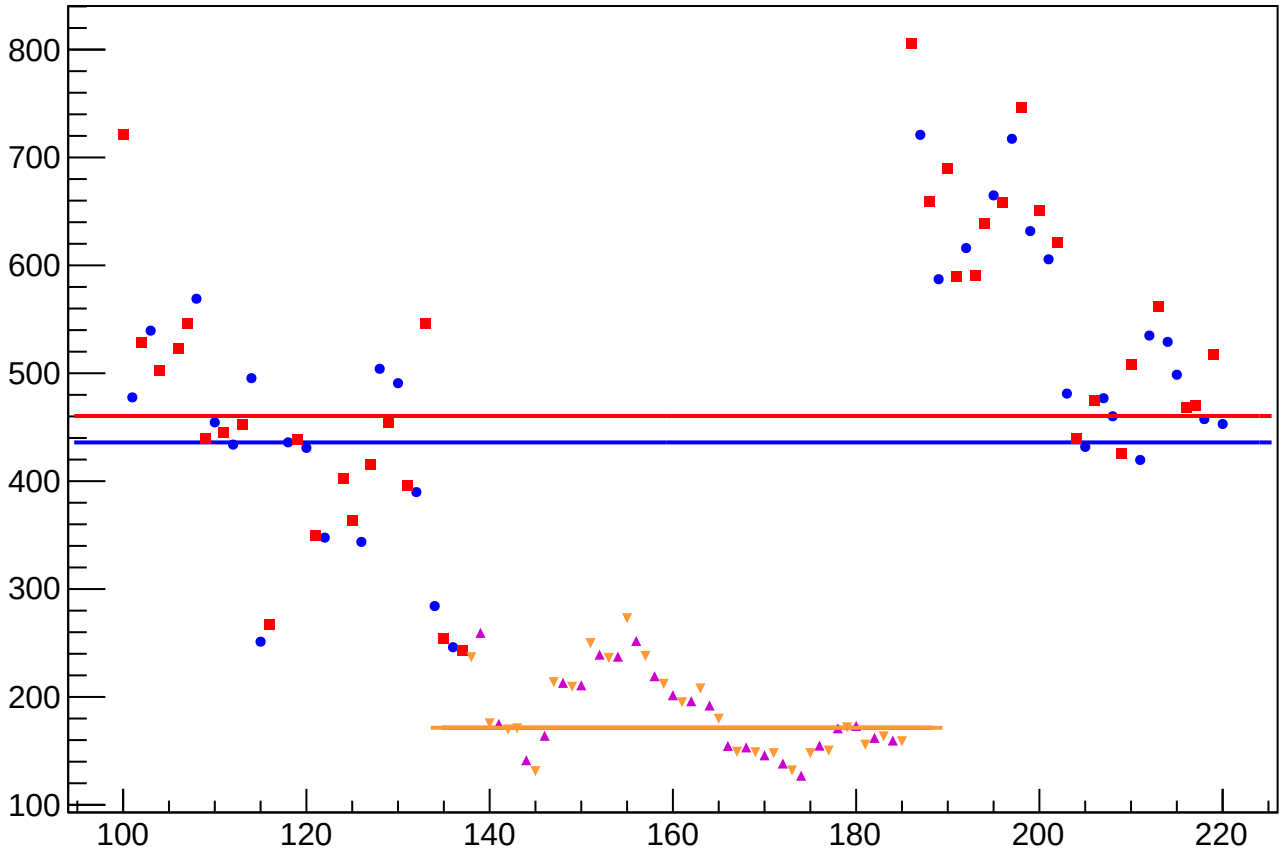
Right Out: 481.452+/-103.108 χ^2/NDF: 44.2/36

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

\+ sign 221.141+/-36.944 χ^2/NDF: 116.7/57

All: 159.106+/-26.515 χ^2/NDF: 209.5/117

\- sign 93.205+/-38.078 χ^2/NDF: 87.0/59



Right In: 435.909+/-0.070 χ^2/NDF: 2905915.3/32

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 460.390+/-0.073 χ^2/NDF: 2942497.3/36

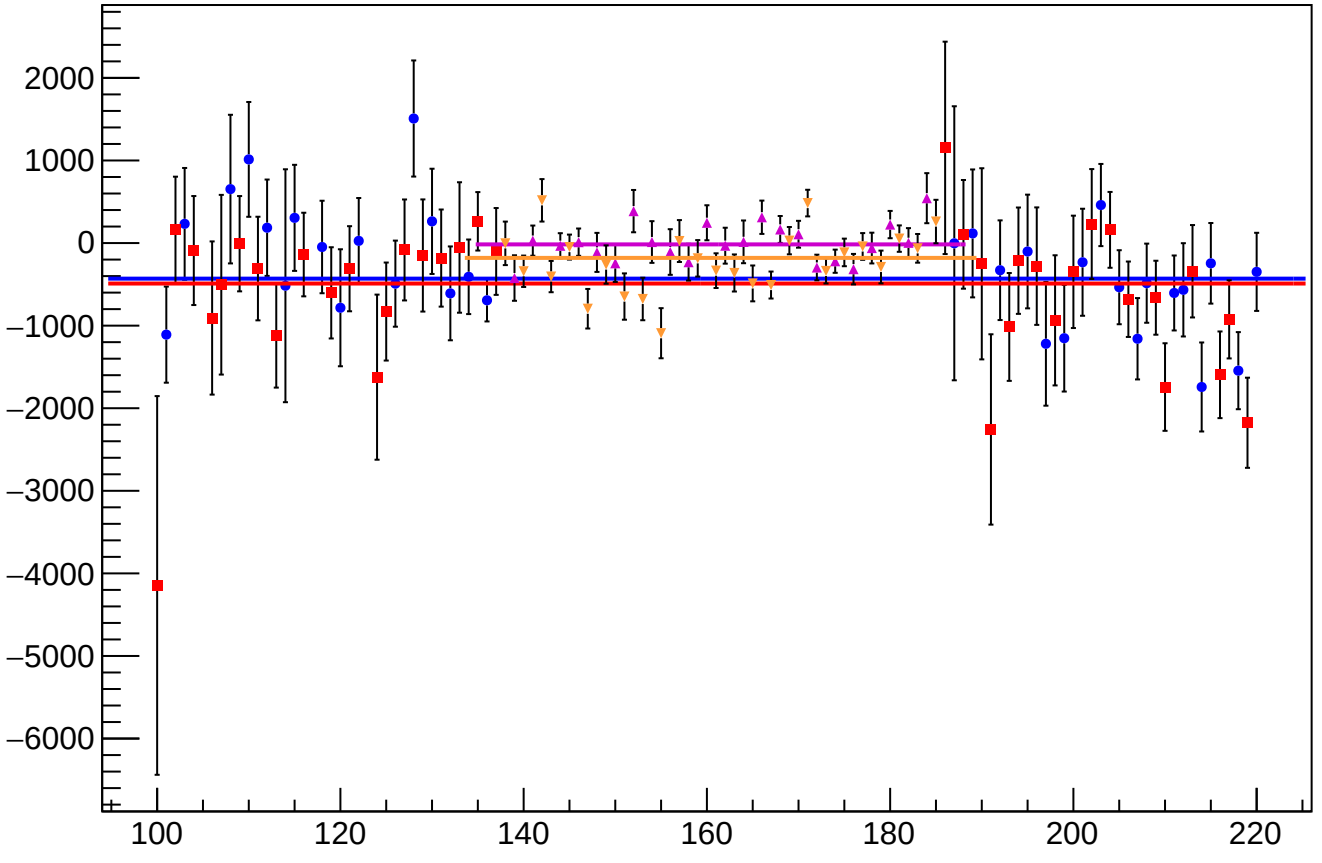
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 208.382+/-0.026 χ^2/NDF: 16754039.6/57

All: 209.599+/-0.019 χ^2/NDF: 34676907.9/11

- sign 210.891+/-0.027 χ^2/NDF: 17918396.6/59

asym_sam_1357_2468_dd_mean vs Slug



Right In: -430.824+/-95.254 χ^2/NDF: 42.7/32

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -490.062+/-99.682 χ^2/NDF: 44.6/36

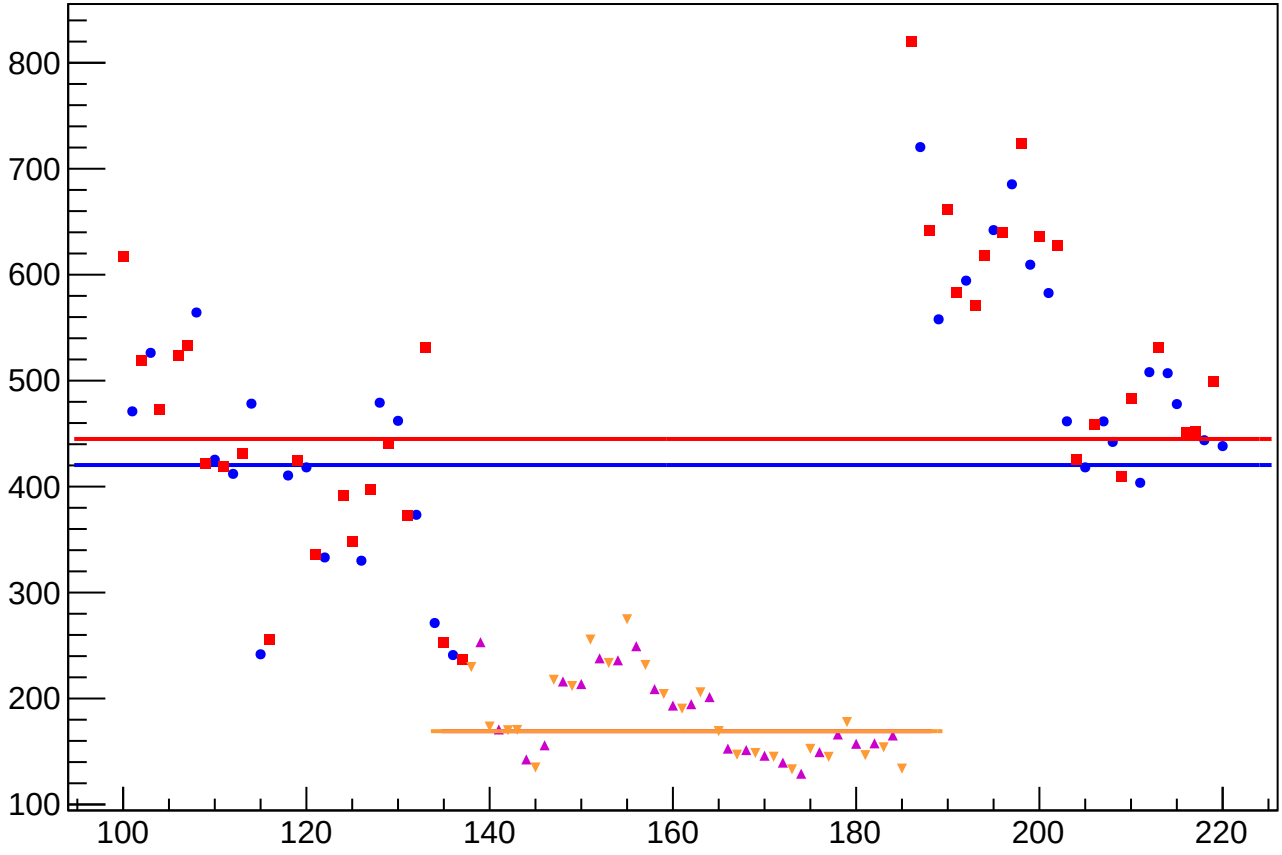
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -216.292+/-36.380 χ^2/NDF: 115.7/57

All: -151.519+/-26.091 χ^2/NDF: 213.0/117

- sign -82.920+/-37.439 χ^2/NDF: 90.7/59

asym_sam_1357_2468_dd_rms vs Slug



Right In: 420.360+/-0.067 χ^2/NDF: 2843586.9/32

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

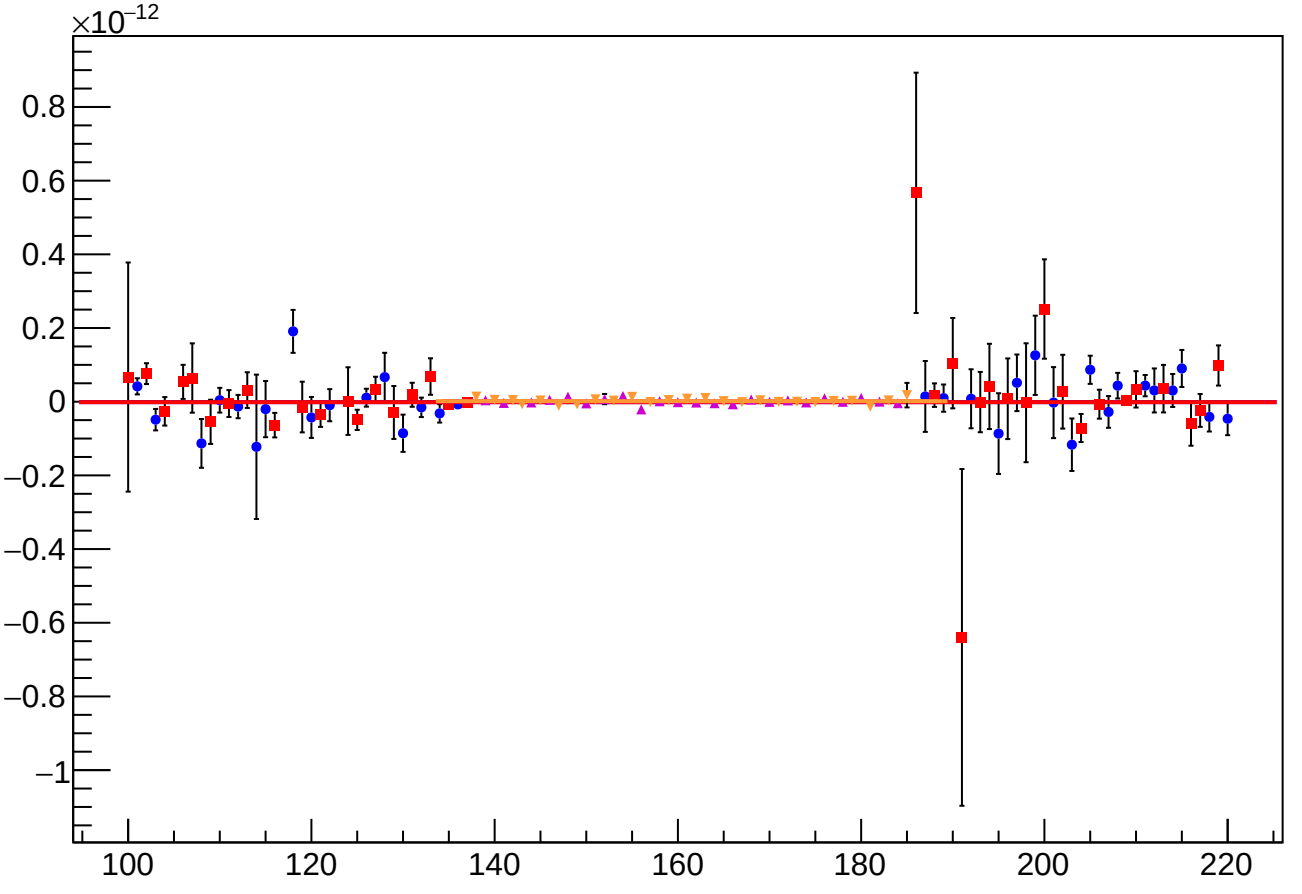
Right Out: 444.953+/-0.070 χ^2/NDF: 2953028.6/36

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 205.819+/-0.026 χ^2/NDF: 16269549.5/57

All: 206.920+/-0.018 χ^2/NDF: 33748097.0/11

- sign 208.087+/-0.026 χ^2/NDF: 17474774.5/59



Right In: -0.000+/-0.000 χ^2/NDF: 49.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

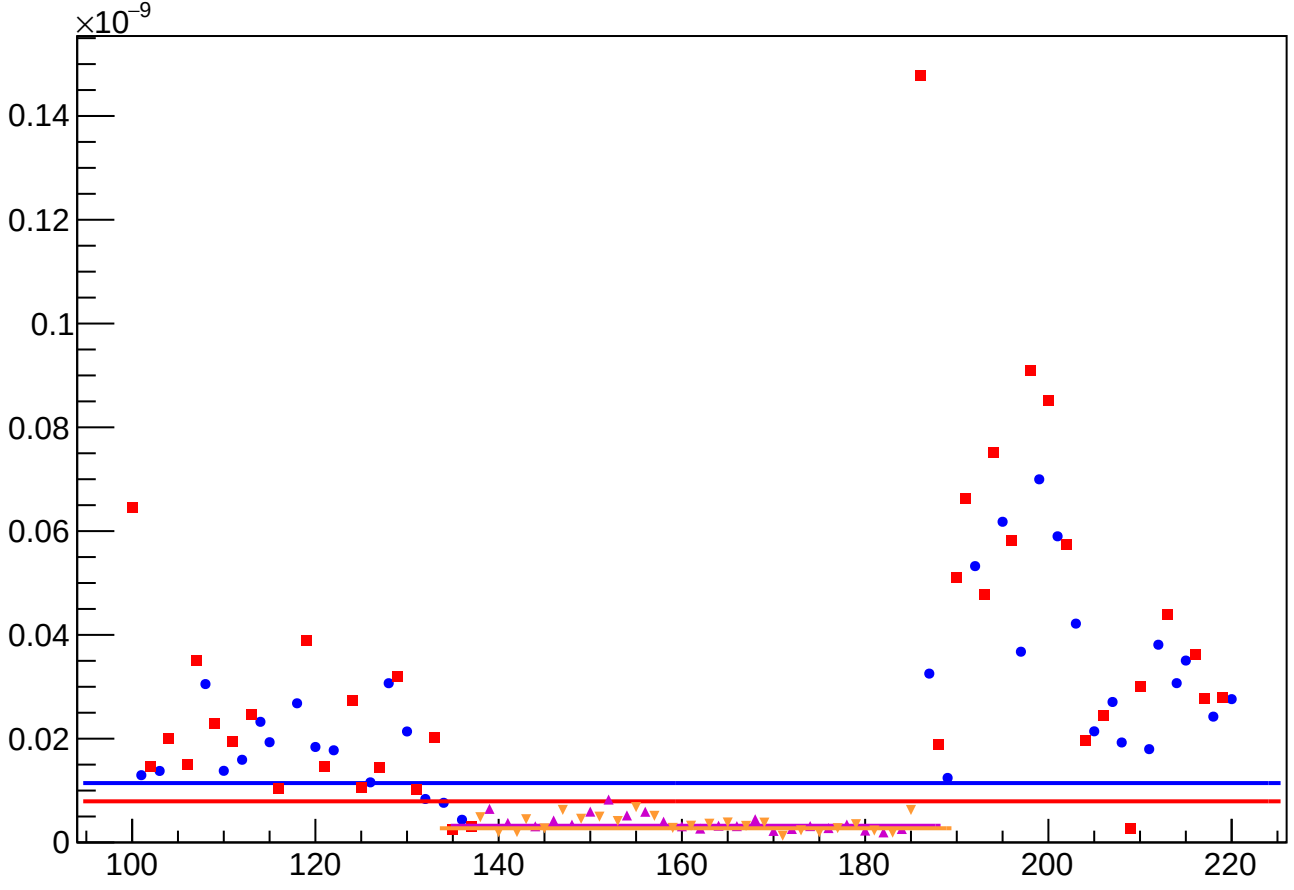
Right Out: -0.000+/-0.000 χ^2/NDF: 42.3/36

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.1/57

All: 0.000+/-0.000 χ^2/NDF: 130.4/117

- sign 0.000+/-0.000 χ^2/NDF: 62.3/59



Right In: 0.000+/-0.000 χ^2/NDF: 7699678.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10967878.4/36

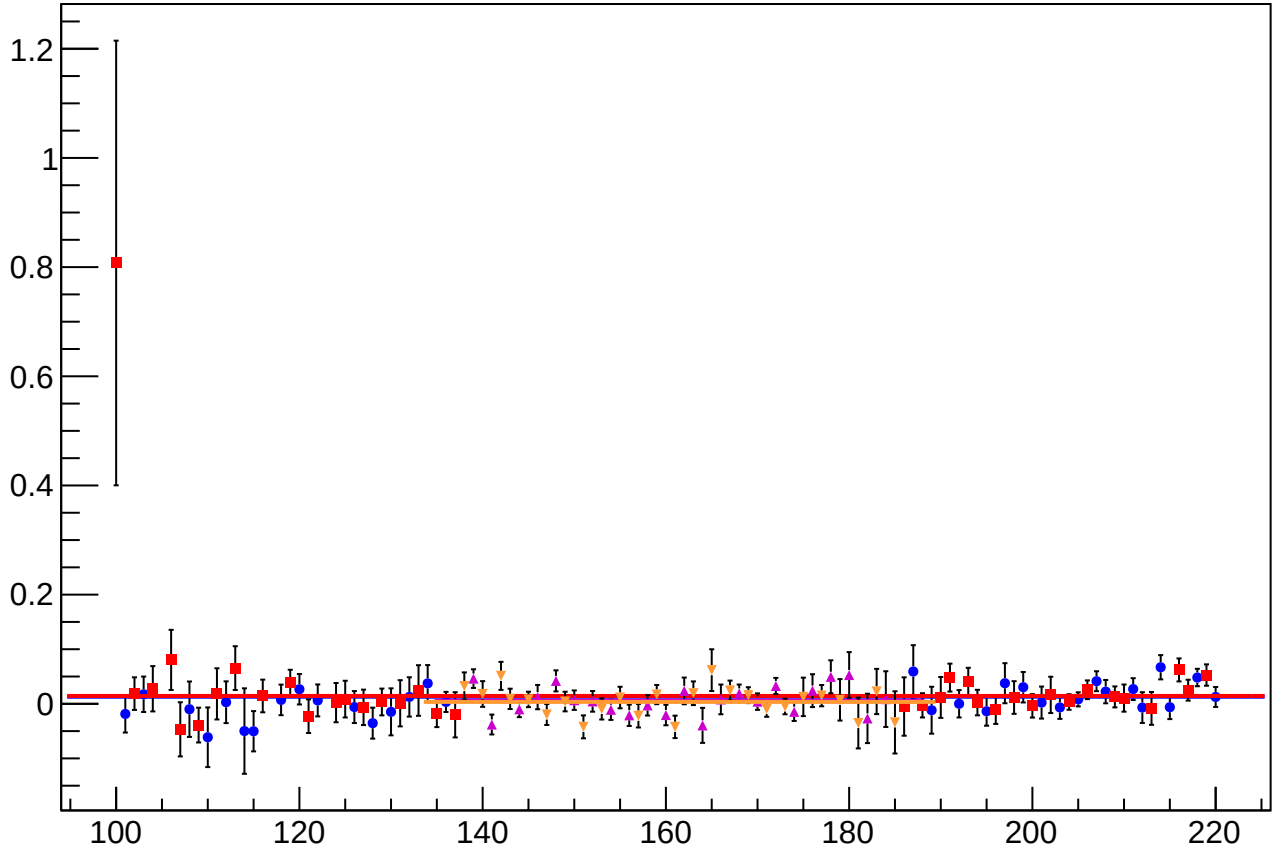
Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 15117054.7/57

All: 0.000+/-0.000 χ^2/NDF: 29578426.5/117

- sign 0.000+/-0.000 χ^2/NDF: 14331196.9/59

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.013+/-0.004 χ^2/NDF: 31.1/32

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.014+/-0.004 χ^2/NDF: 33.8/36

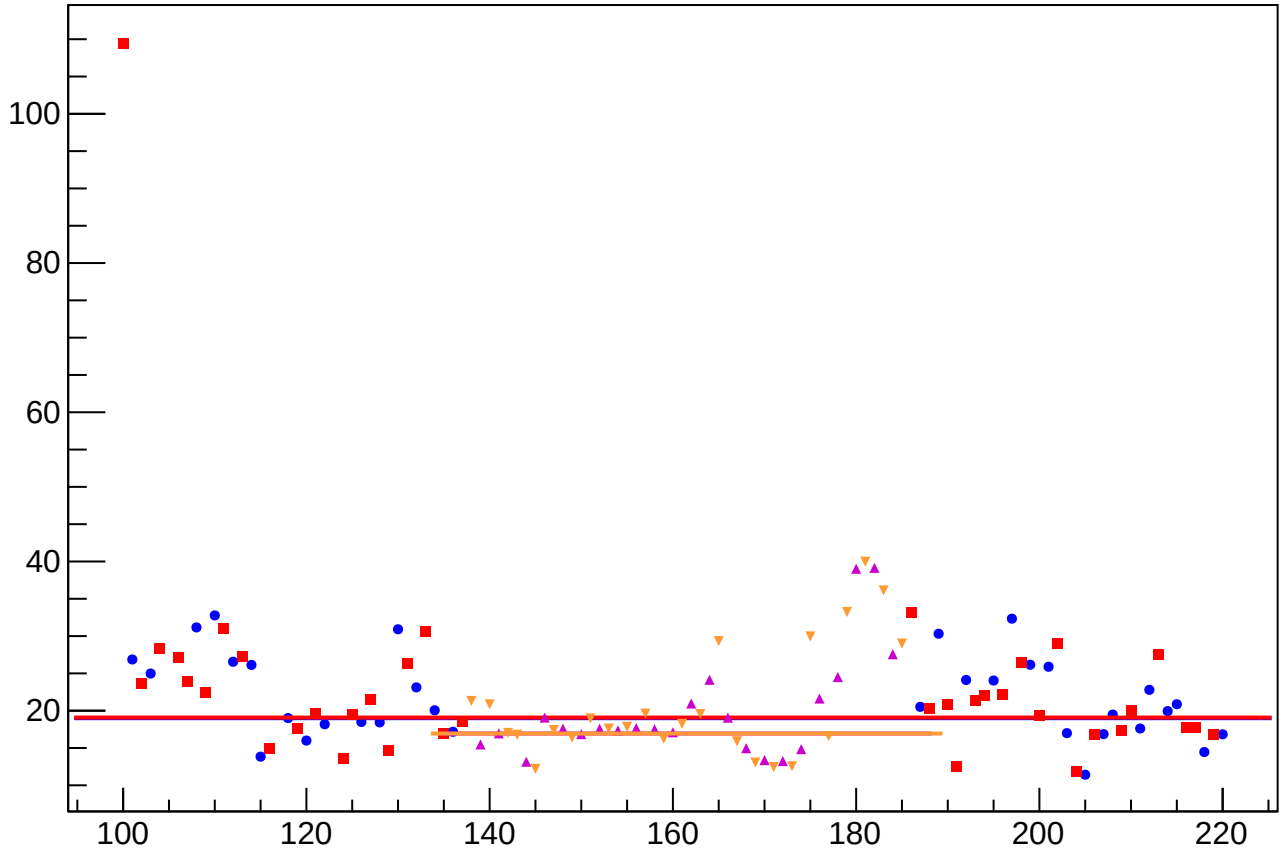
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 60.6/57

All: 0.009+/-0.002 χ^2/NDF: 129.9/117

- sign 0.010+/-0.003 χ^2/NDF: 69.2/59

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 18.997+/-0.003 χ^2/NDF: 2571398.6/32

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

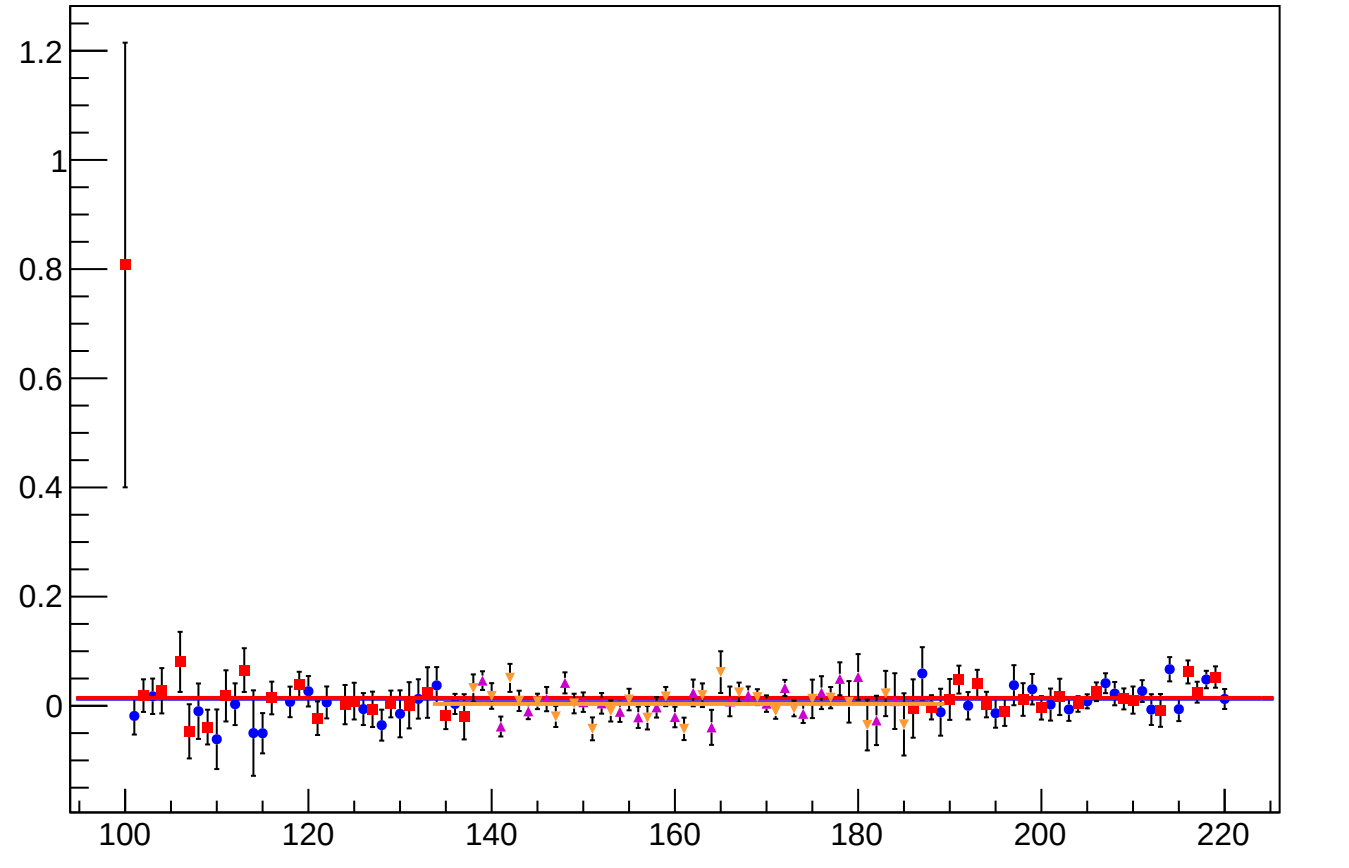
Right Out: 19.076+/-0.003 χ^2/NDF: 2338013.6/36

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.885+/-0.002 χ^2/NDF: 5640897.1/57

All: 17.918+/-0.002 χ^2/NDF: 10166590.0/117

- sign 17.953+/-0.002 χ^2/NDF: 4525183.4/59



Right In: 0.013+/-0.004 χ^2/NDF: 31.1/32

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

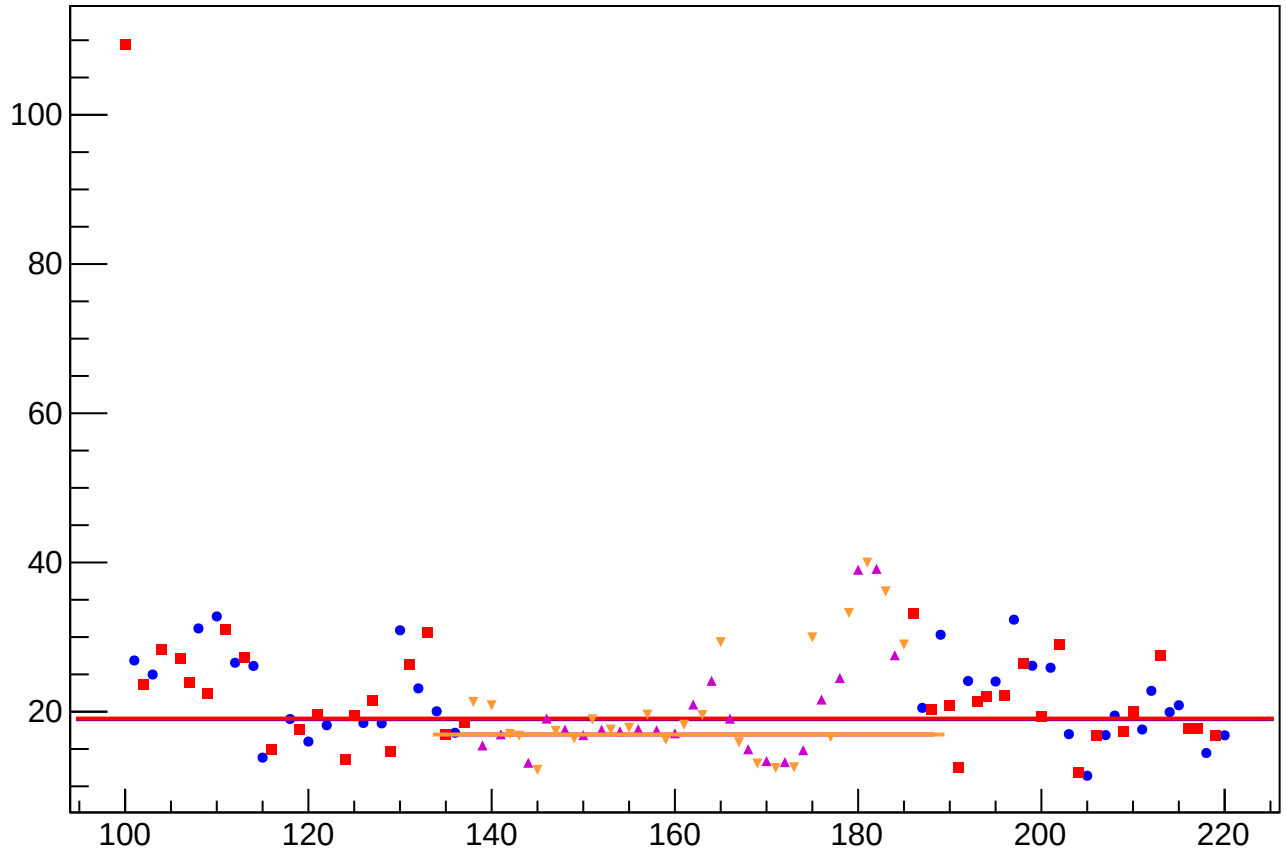
Right Out: 0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 60.6/57

All: 0.009+/-0.002 χ^2/NDF: 129.9/117

- sign 0.010+/-0.003 χ^2/NDF: 69.2/59



Right In: 18.997+/-0.003 χ^2/NDF: 2571398.6/32

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

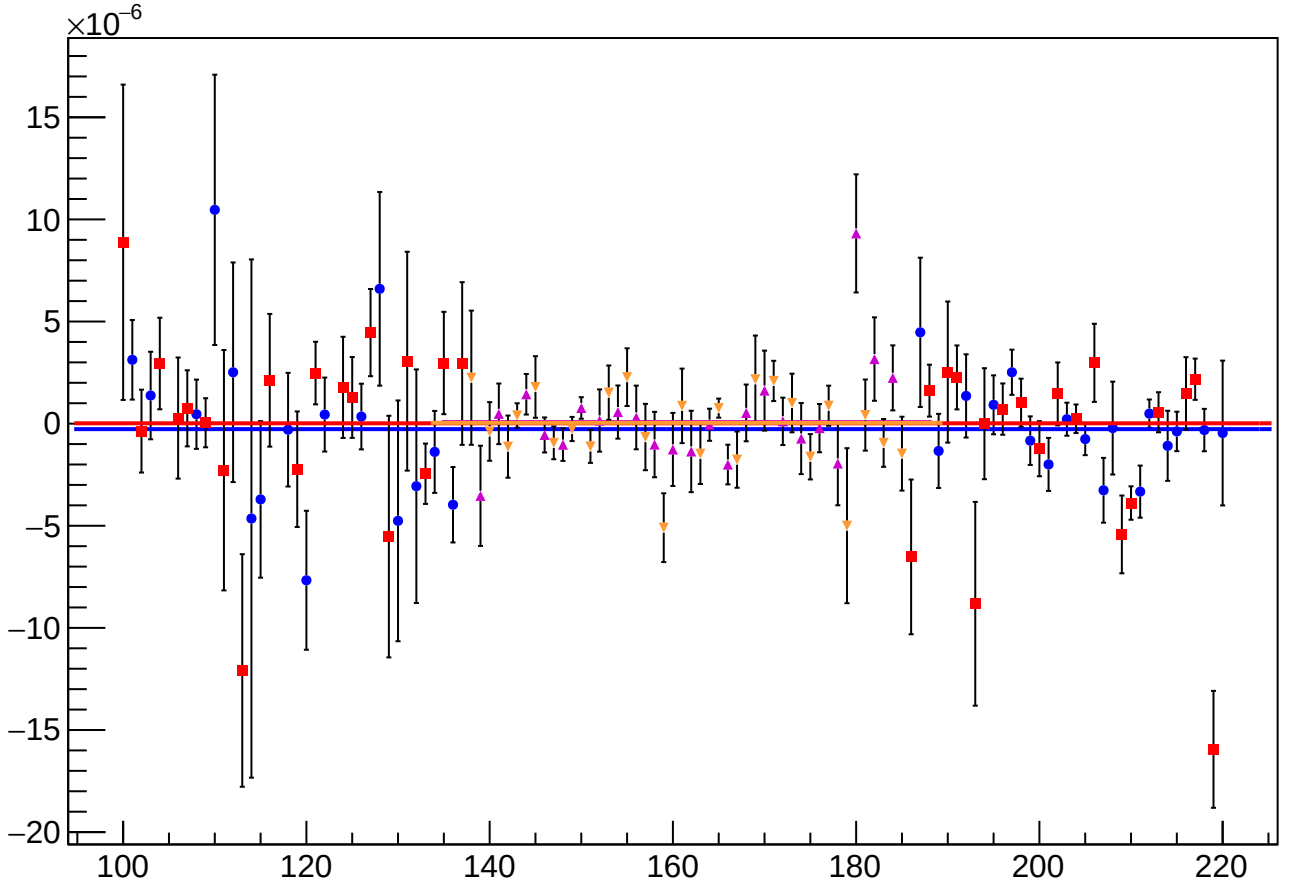
Right Out: 19.076+/-0.003 χ^2/NDF: 2338013.6/36

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.885+/-0.002 χ^2/NDF: 5640897.1/57

All: 17.918+/-0.002 χ^2/NDF: 10166590.0/117

- sign 17.953+/-0.002 χ^2/NDF: 4525183.4/59



Right In: -0.000+/-0.000 χ^2/NDF: 43.1/32

Left Out: 0.000+/-0.000 χ^2/NDF:37.2/24

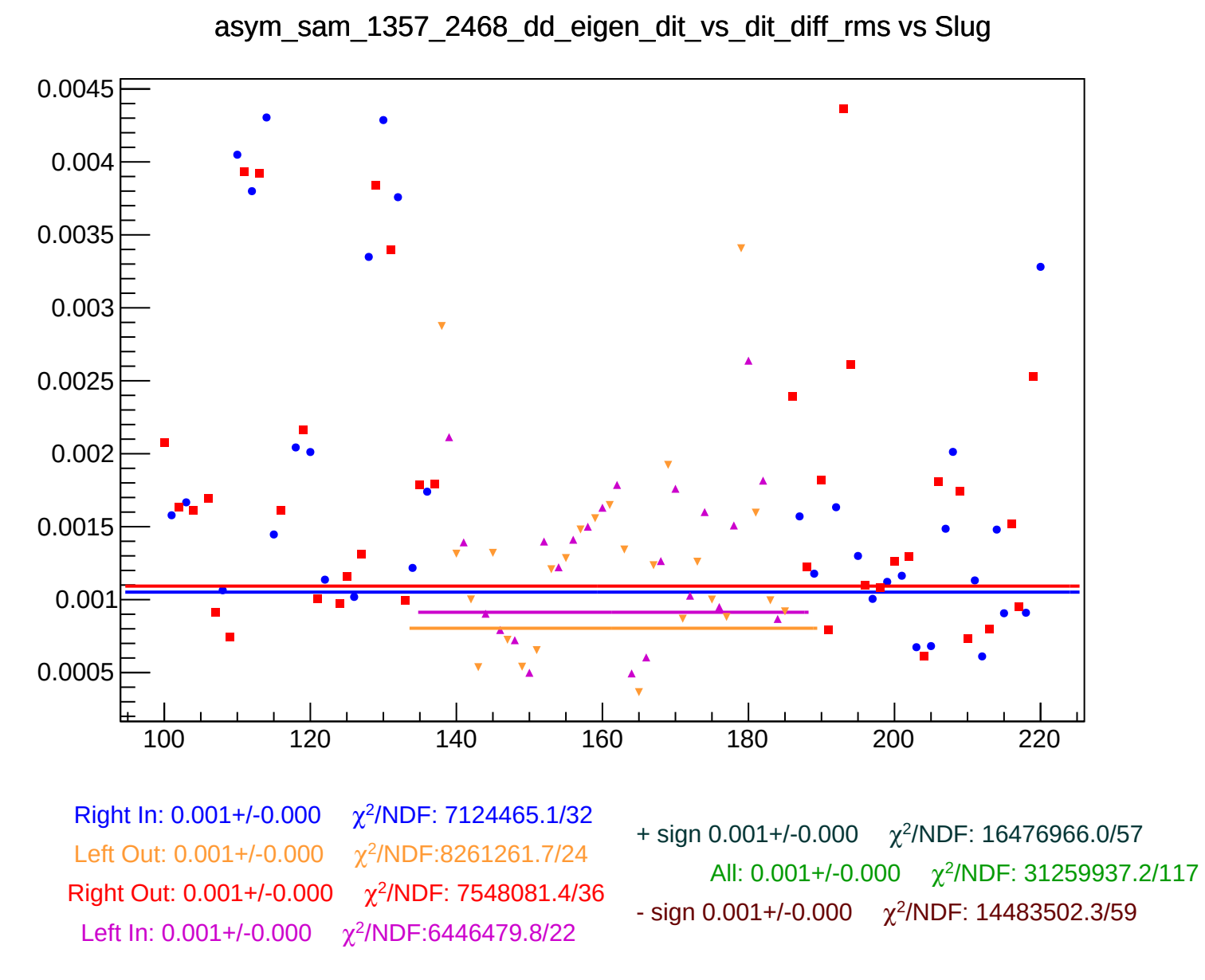
Right Out: 0.000+/-0.000 χ^2/NDF: 105.8/36

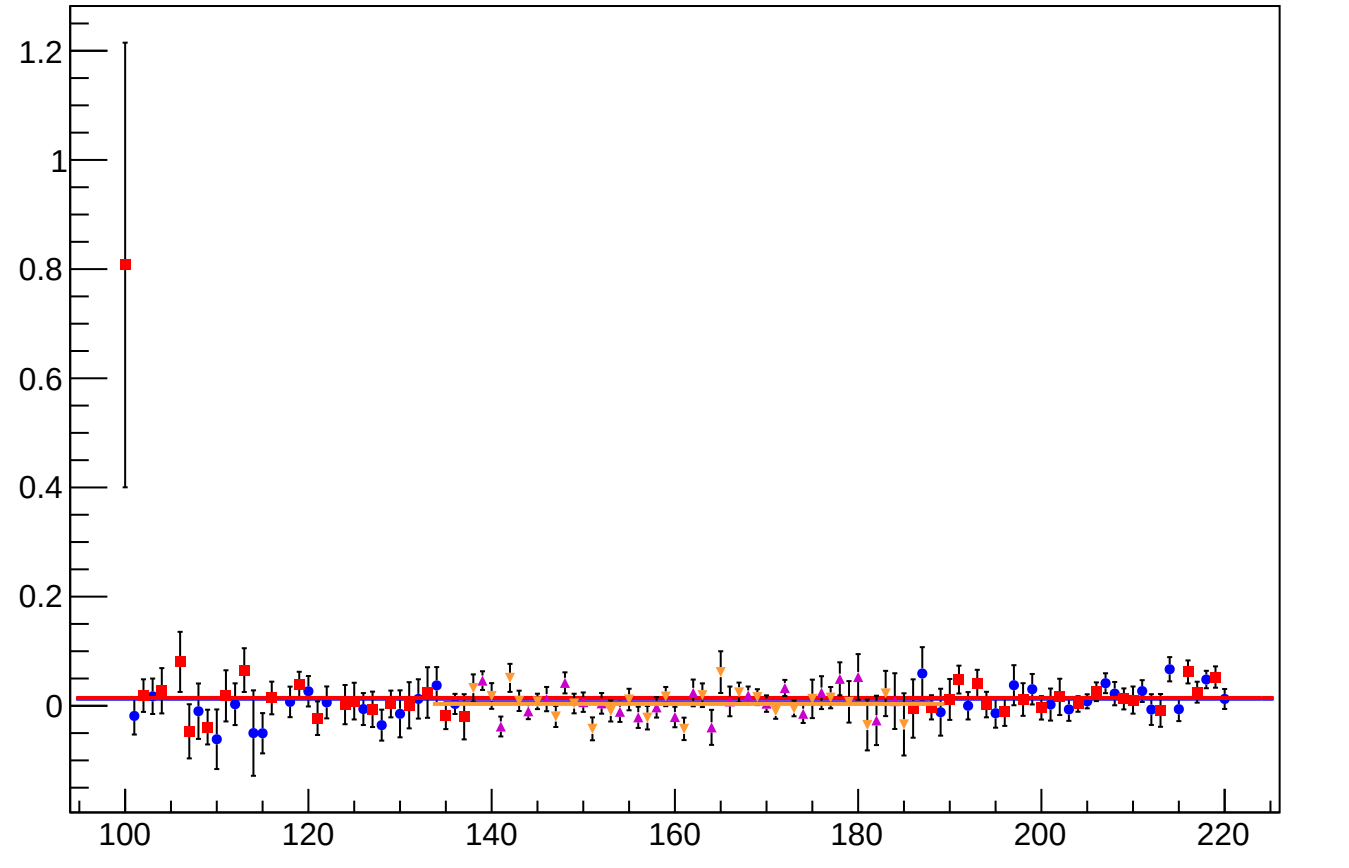
Left In: 0.000+/-0.000 χ^2/NDF:31.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 81.1/57

All: -0.000+/-0.000 χ^2/NDF: 218.2/117

- sign 0.000+/-0.000 χ^2/NDF: 136.8/59


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
220
Right In: 0.001+/-0.000 χ²/NDF: 7124465.1/32
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 7548081.4/36
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 16476966.0/57
All: 0.001+/-0.000 χ²/NDF: 31259937.2/117
- sign 0.001+/-0.000 χ²/NDF: 14483502.3/59



Right In: 0.013+/-0.004 χ^2/NDF: 31.1/32

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

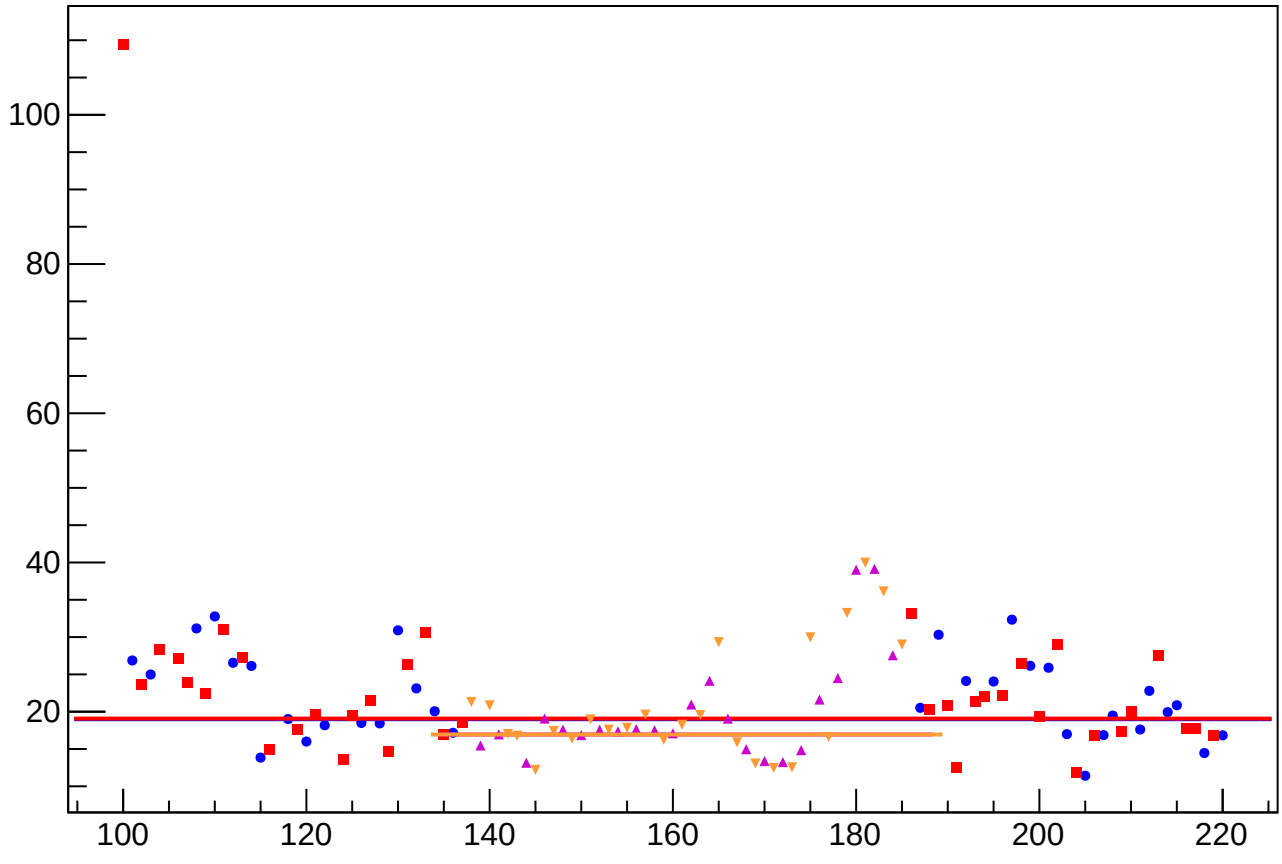
Right Out: 0.014+/-0.004 χ^2/NDF: 33.8/36

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 60.6/57

All: 0.009+/-0.002 χ^2/NDF: 129.9/117

- sign 0.010+/-0.003 χ^2/NDF: 69.2/59



Right In: 18.996+/-0.003 χ^2/NDF: 2571527.5/32

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

Right Out: 19.076+/-0.003 χ^2/NDF: 2338036.9/36

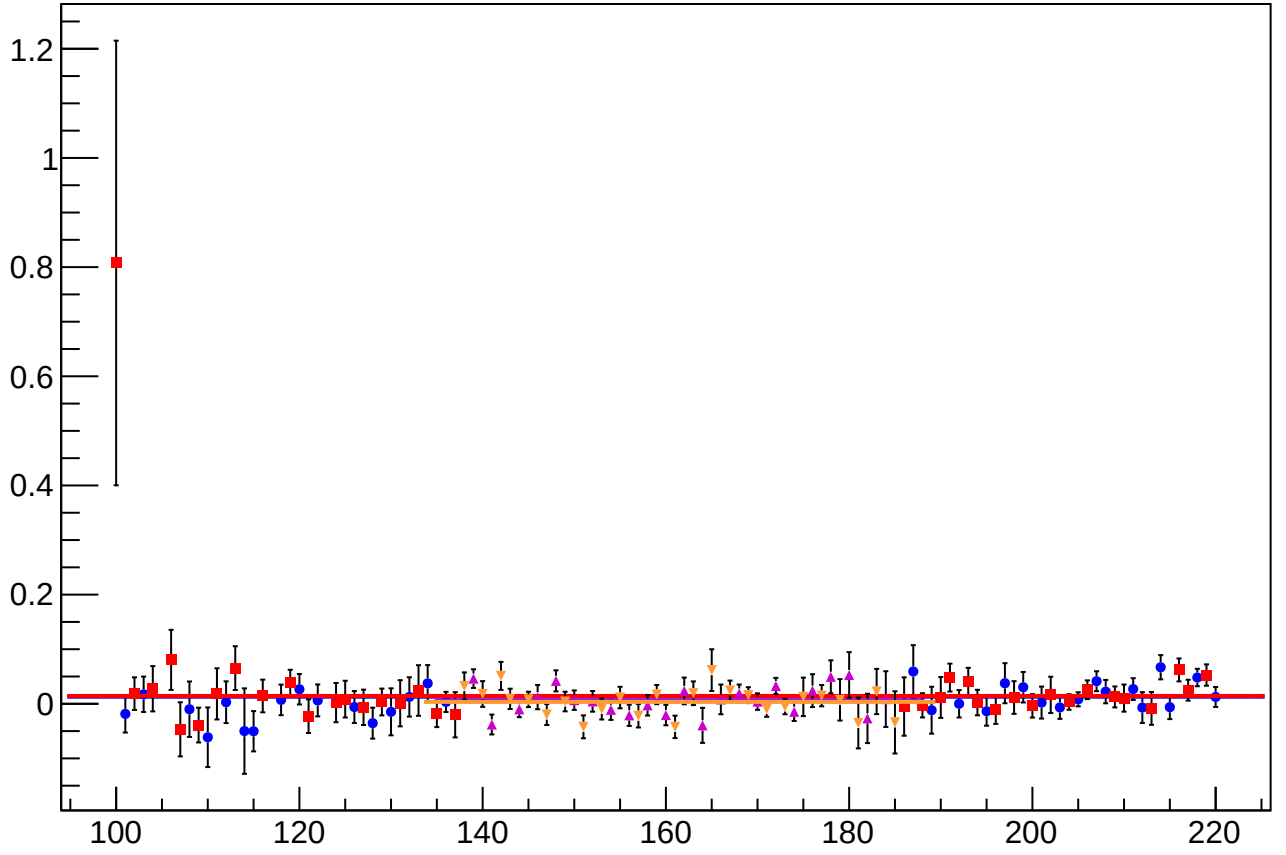
Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

\+ sign 17.885+/-0.002 χ^2/NDF: 5640872.2/57

All: 17.918+/-0.002 χ^2/NDF: 10166522.8/117

\- sign 17.953+/-0.002 χ^2/NDF: 4525139.8/59

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013+/-0.004 χ^2/NDF: 31.1/32

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.014+/-0.004 χ^2/NDF: 33.8/36

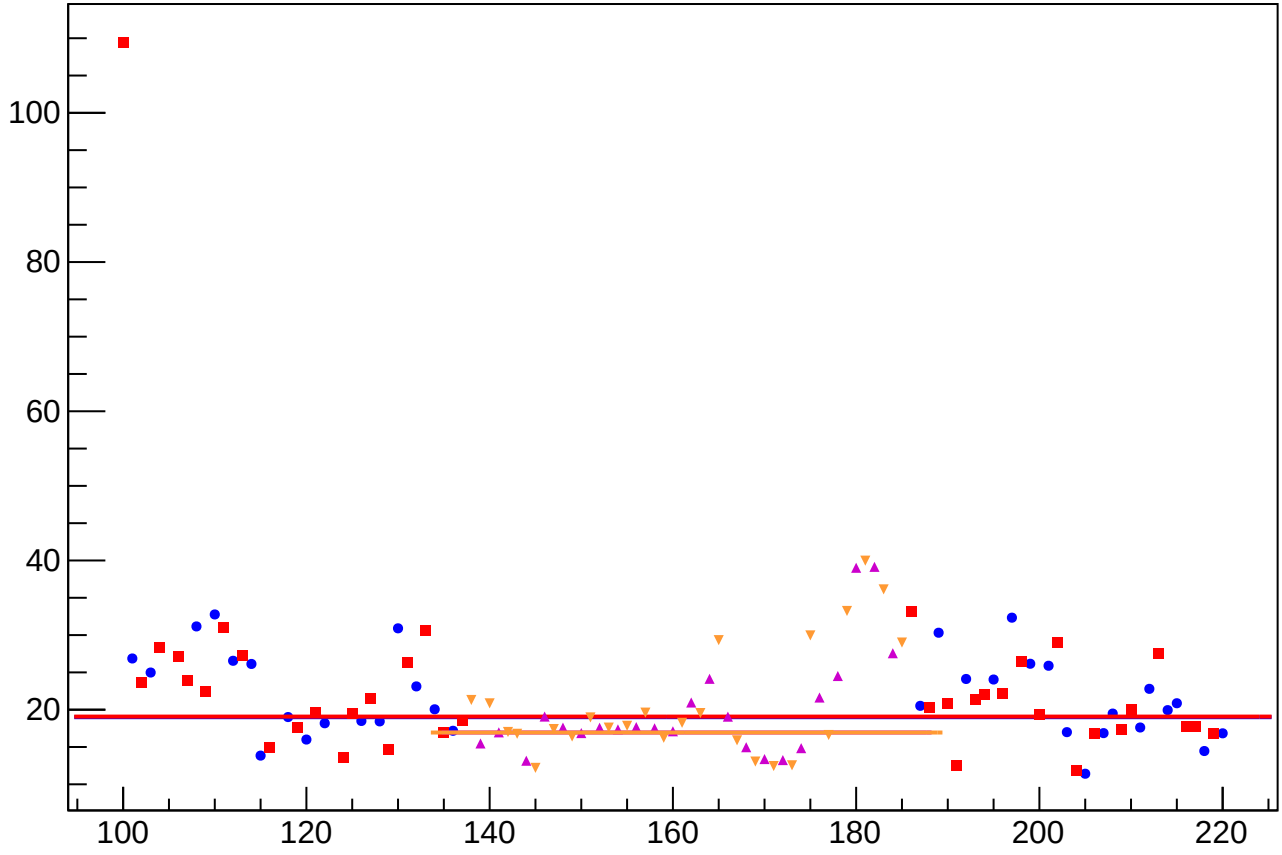
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.008+/-0.003 χ^2/NDF: 60.6/57

All: 0.009+/-0.002 χ^2/NDF: 129.9/117

- sign 0.010+/-0.003 χ^2/NDF: 69.2/59

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 18.996+/-0.003 χ^2/NDF: 2571527.5/32

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

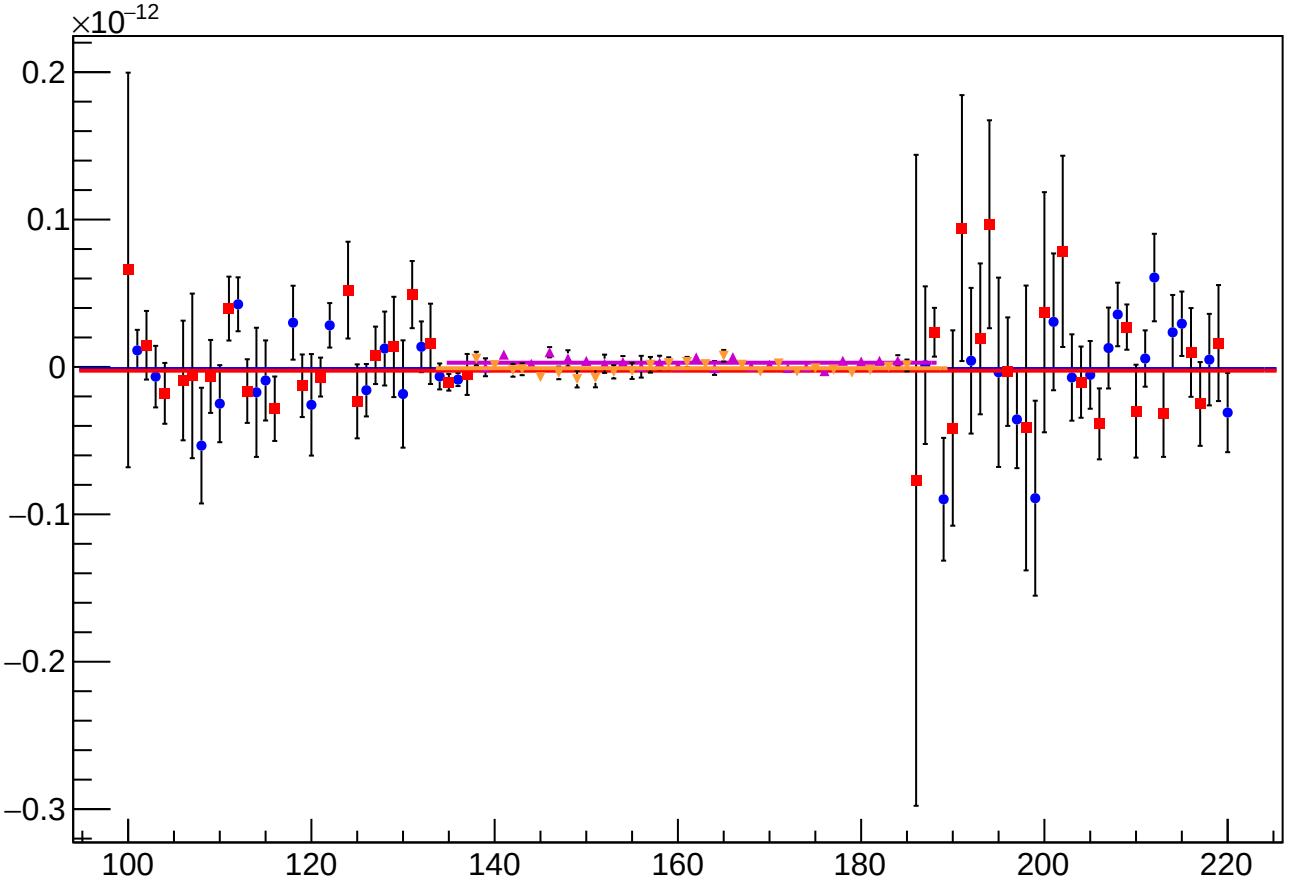
Right Out: 19.076+/-0.003 χ^2/NDF: 2338036.9/36

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.885+/-0.002 χ^2/NDF: 5640872.2/57

All: 17.918+/-0.002 χ^2/NDF: 10166522.8/117

- sign 17.953+/-0.002 χ^2/NDF: 4525139.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 40.0/32

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

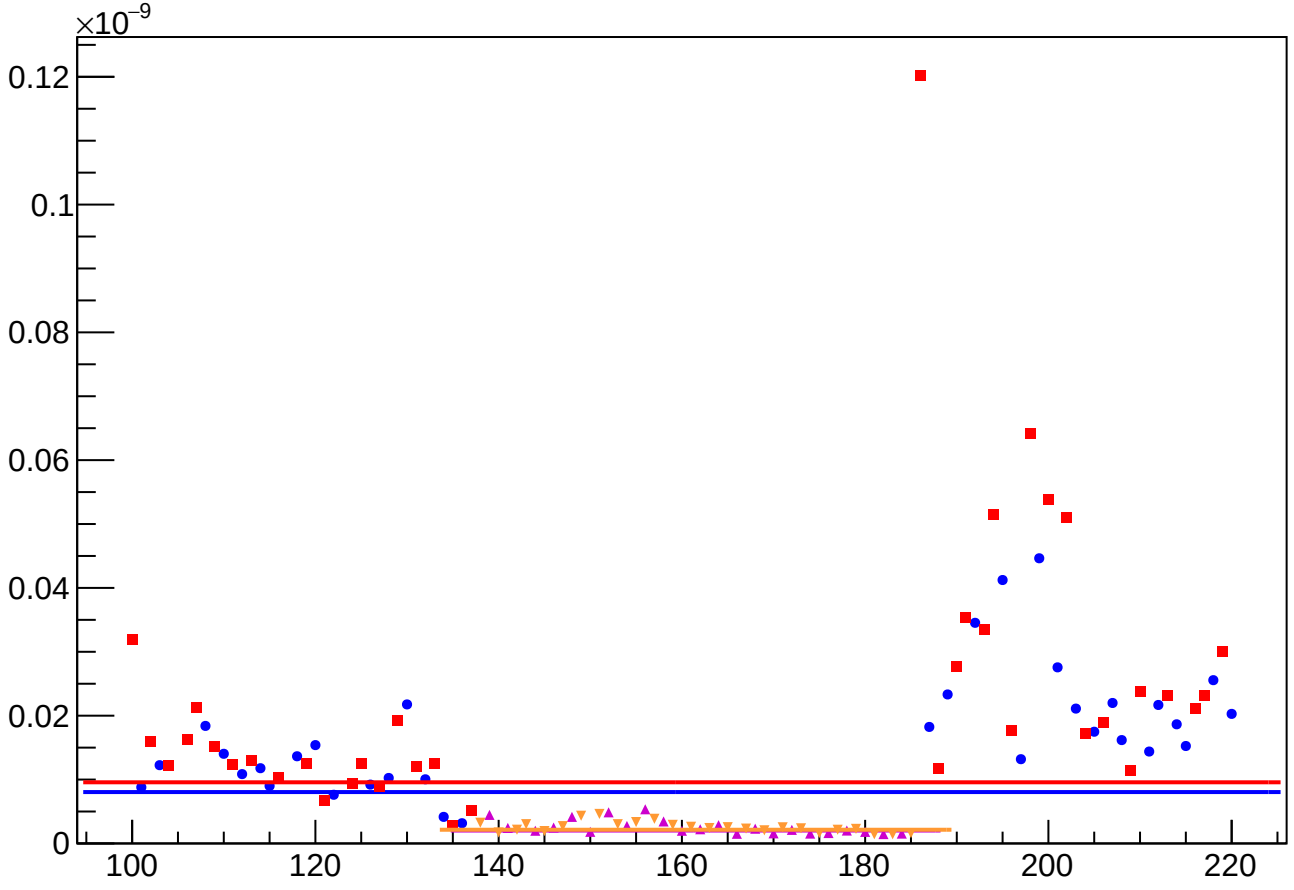
Right Out: -0.000+/-0.000 χ^2/NDF: 35.9/36

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.7/57

All: 0.000+/-0.000 χ^2/NDF: 141.6/117

- sign 0.000+/-0.000 χ^2/NDF: 61.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 10013934.4/32

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10787775.1/36

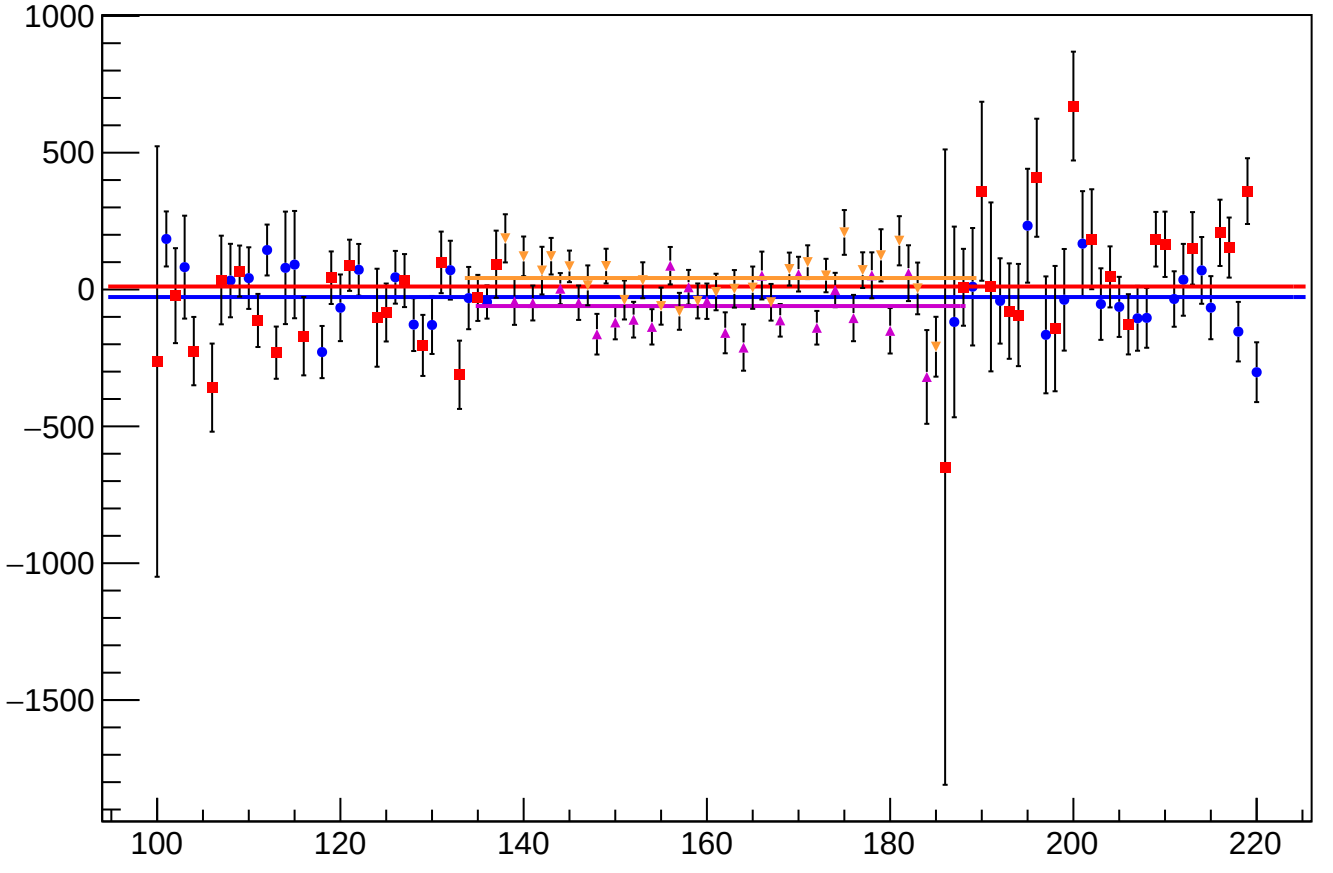
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 19775862.1/57

All: 0.000+/-0.000 χ^2/NDF: 42426011.0/117

- sign 0.000+/-0.000 χ^2/NDF: 22604148.5/59

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -27.513+/-20.453 χ^2/NDF: 31.4/32

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: 10.971+/-20.959 χ^2/NDF: 70.8/36

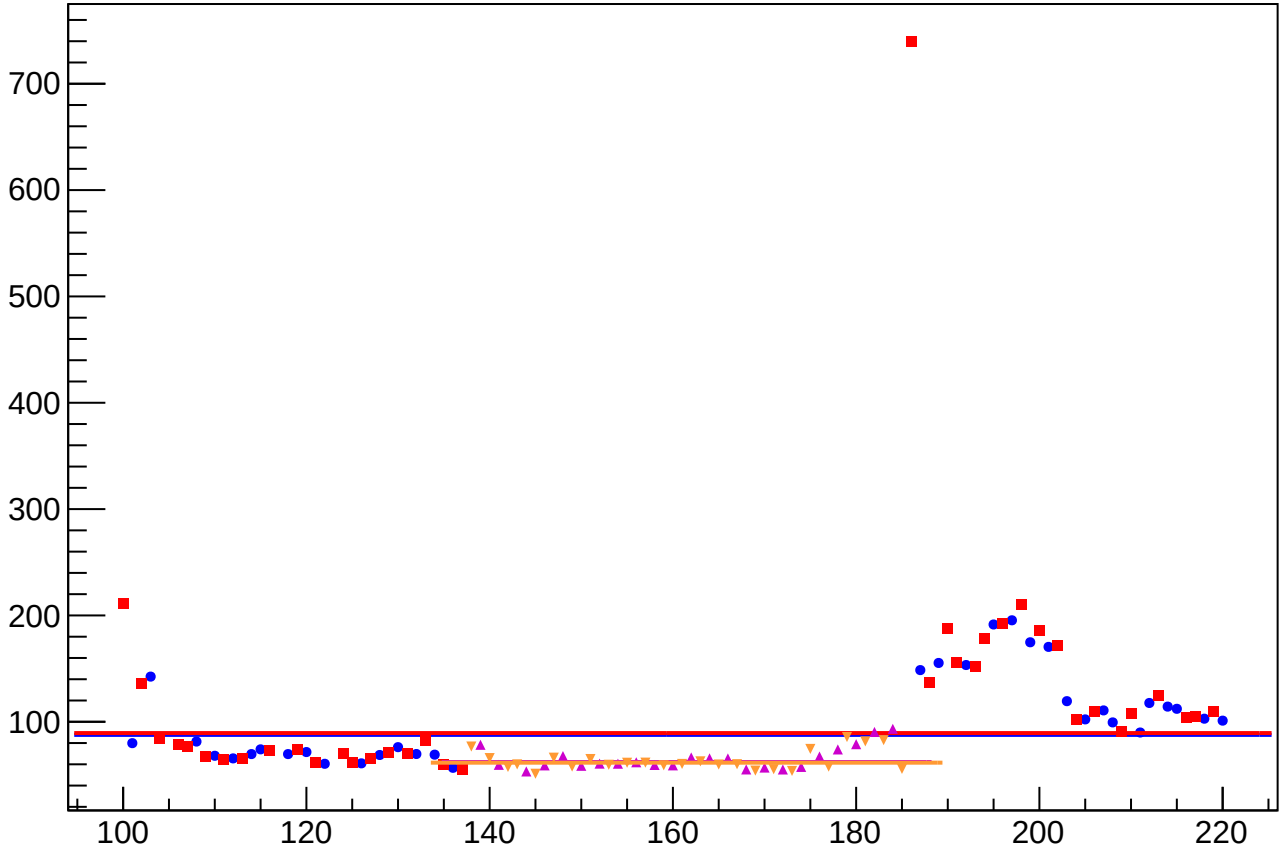
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 19.441+/-11.654 χ^2/NDF: 71.3/57

All: -7.769+/-8.375 χ^2/NDF: 193.3/117

- sign -36.823+/-12.043 χ^2/NDF: 110.7/59

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 87.669+/-0.014 χ^2/NDF: 4587907.5/32

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 89.377+/-0.015 χ^2/NDF: 5777699.9/36

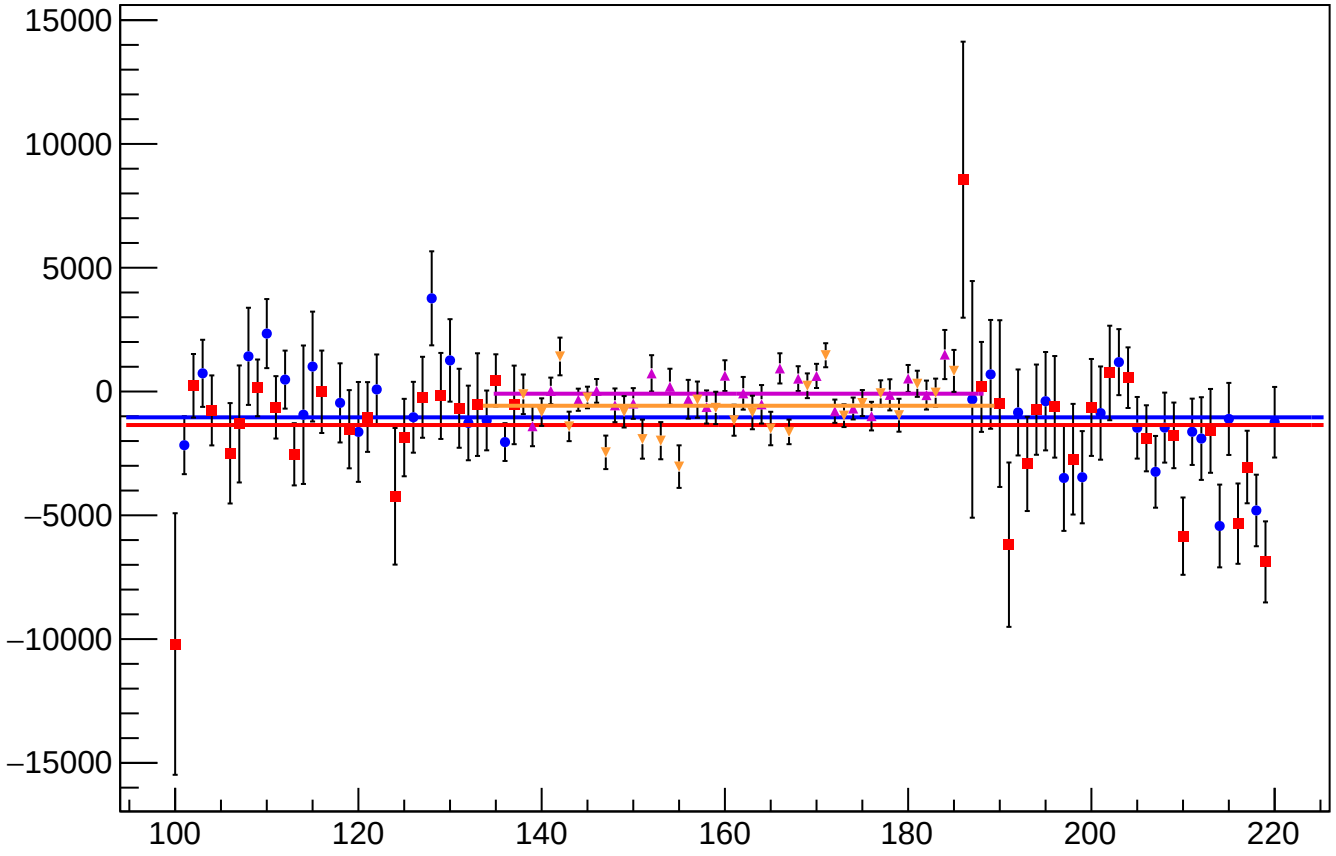
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 70.026+/-0.008 χ^2/NDF: 7429374.5/57

All: 70.562+/-0.006 χ^2/NDF: 16074277.0/117

- sign 71.135+/-0.009 χ^2/NDF: 8636142.8/59

asym_sam_12345678_avg_reg_correction_mean vs Slug



Right In: -1042.475+/-260.448 χ^2/NDF: 46.8/32

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

Right Out: -1353.231+/-268.580 χ^2/NDF: 52.6/36

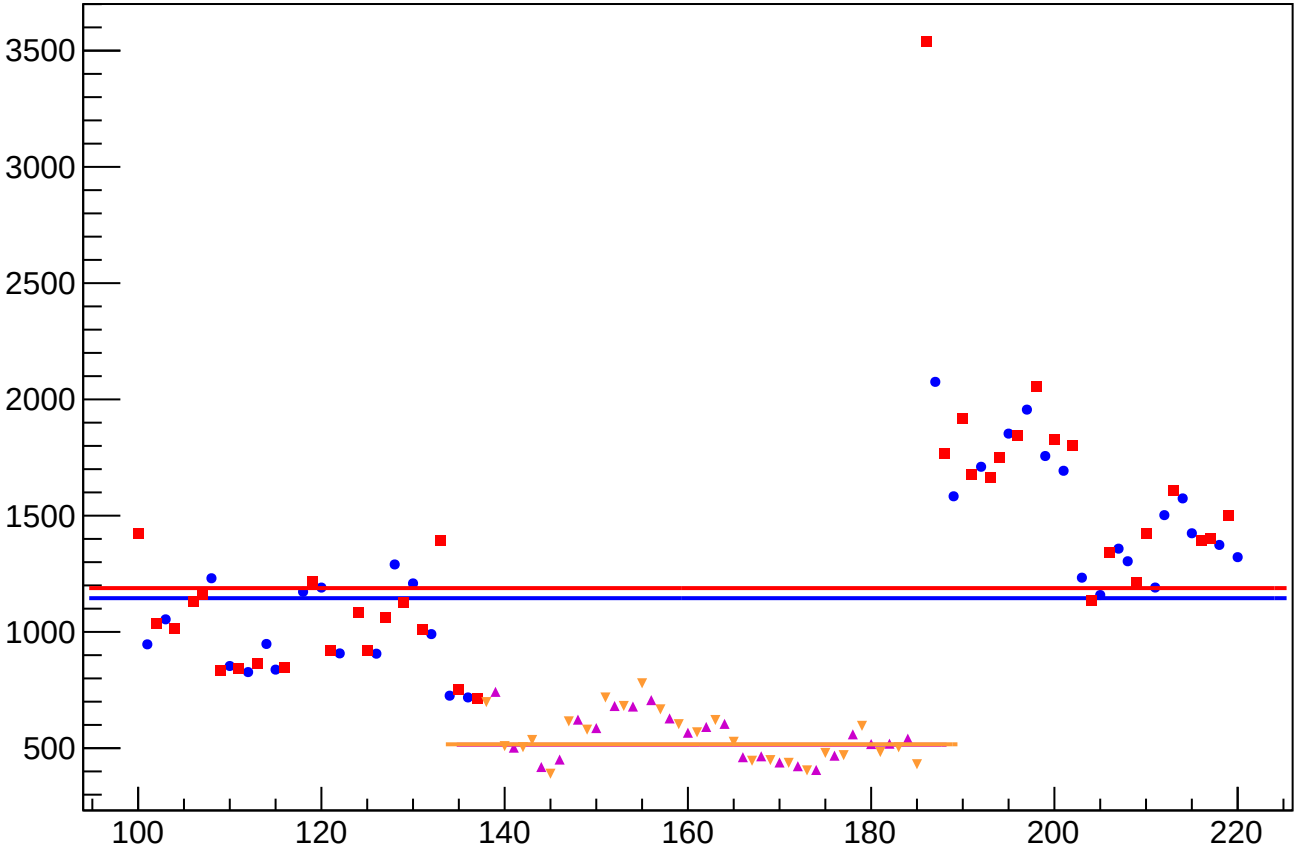
Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -656.413+/-108.790 χ^2/NDF: 118.2/57

All: -485.501+/-77.849 χ^2/NDF: 218.8/117

- sign -306.134+/-111.449 χ^2/NDF: 95.5/59

asym_sam_12345678_avg_reg_correction_rms vs Slug



Right In: 1145.129+/-0.184 χ^2/NDF: 3121690.3/32

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1188.422+/-0.190 χ^2/NDF: 3626693.6/36

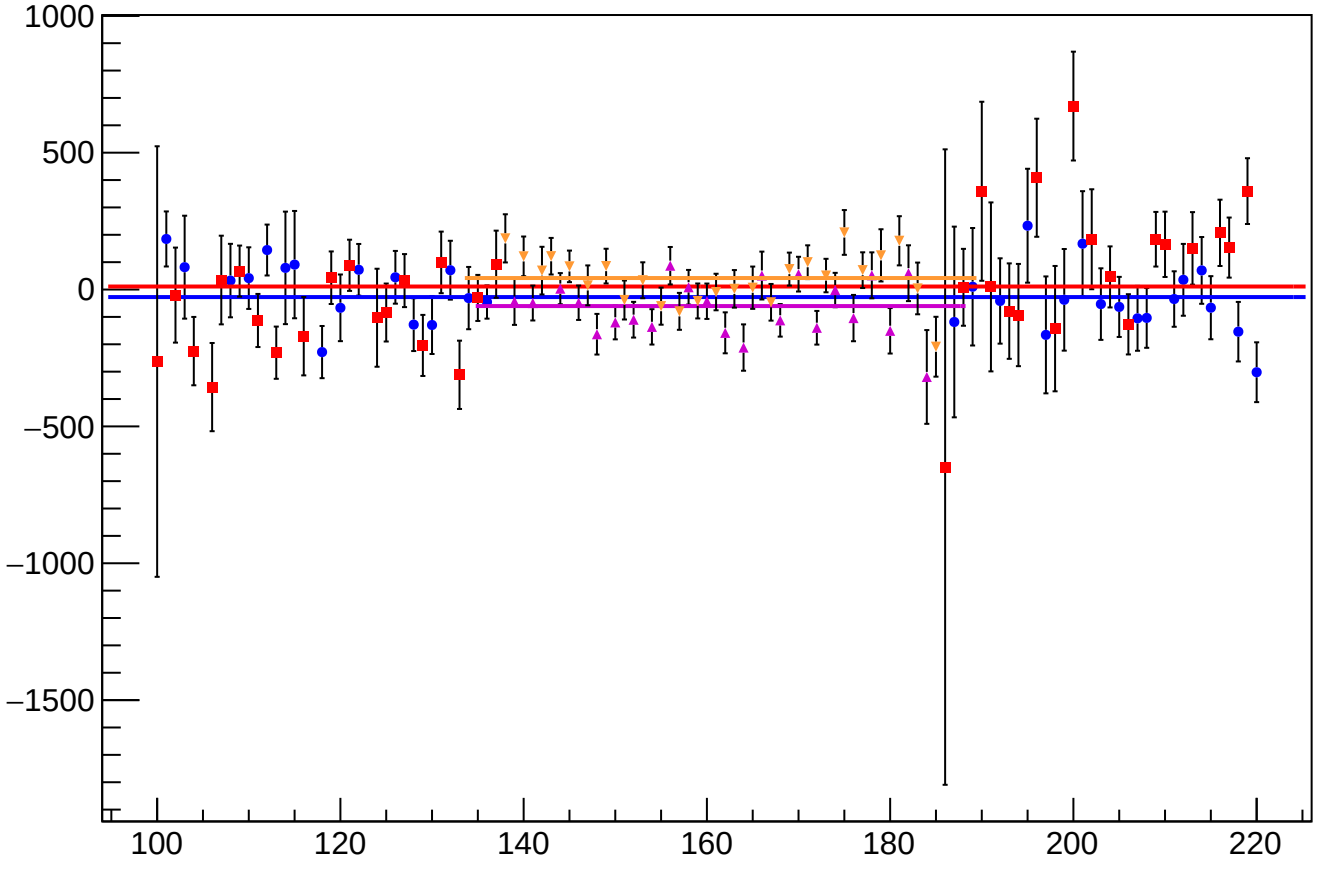
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 626.293+/-0.077 χ^2/NDF: 14001195.0/57

All: 628.479+/-0.055 χ^2/NDF: 29165287.4/11

- sign 630.774+/-0.079 χ^2/NDF: 15162437.0/59

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -27.519+/-20.453 χ^2/NDF: 31.4/32

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 11.050+/-20.960 χ^2/NDF: 70.7/36

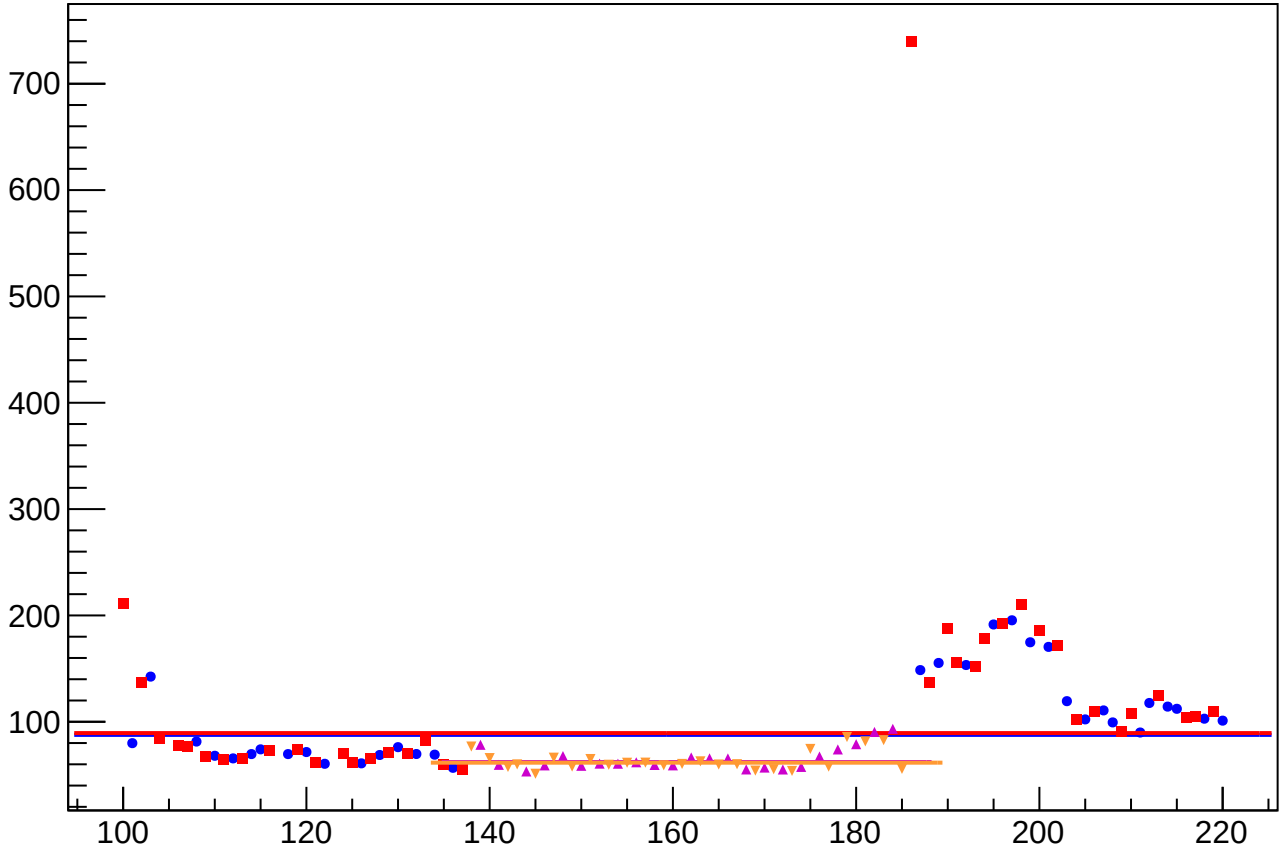
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 19.442+/-11.654 χ^2/NDF: 71.3/57

All: -7.755+/-8.375 χ^2/NDF: 193.2/117

- sign -36.797+/-12.043 χ^2/NDF: 110.6/59

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 87.669+/-0.014 χ^2/NDF: 4587910.5/32

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

Right Out: 89.365+/-0.015 χ^2/NDF: 5779180.9/36

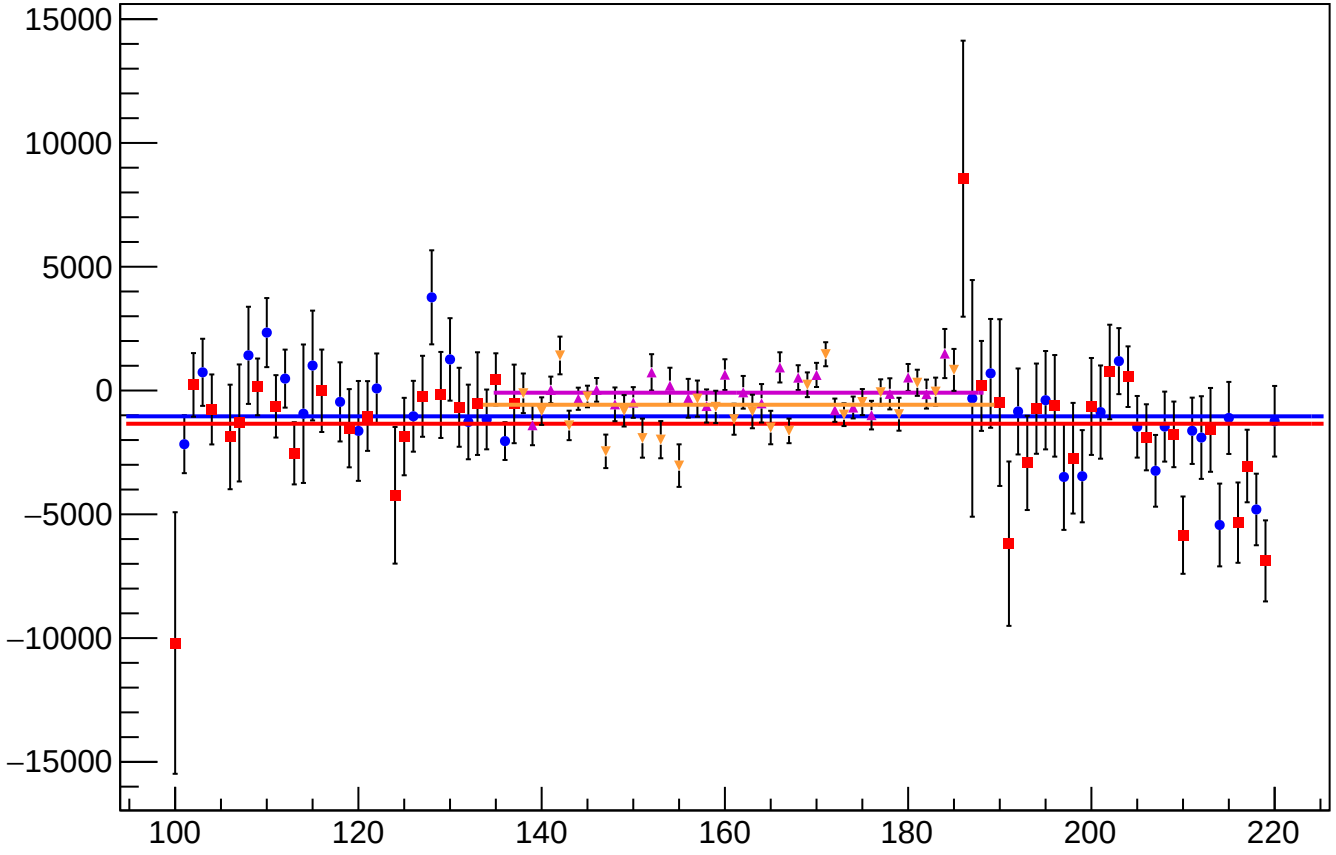
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 70.026+/-0.008 χ^2/NDF: 7429377.6/57

All: 70.560+/-0.006 χ^2/NDF: 16073770.1/117

- sign 71.131+/-0.009 χ^2/NDF: 8635695.8/59

asym_sam_12345678_avg_cor_correction_mean vs Slug



Right In: -1042.462+/-260.449 χ^2/NDF: 46.8/32

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

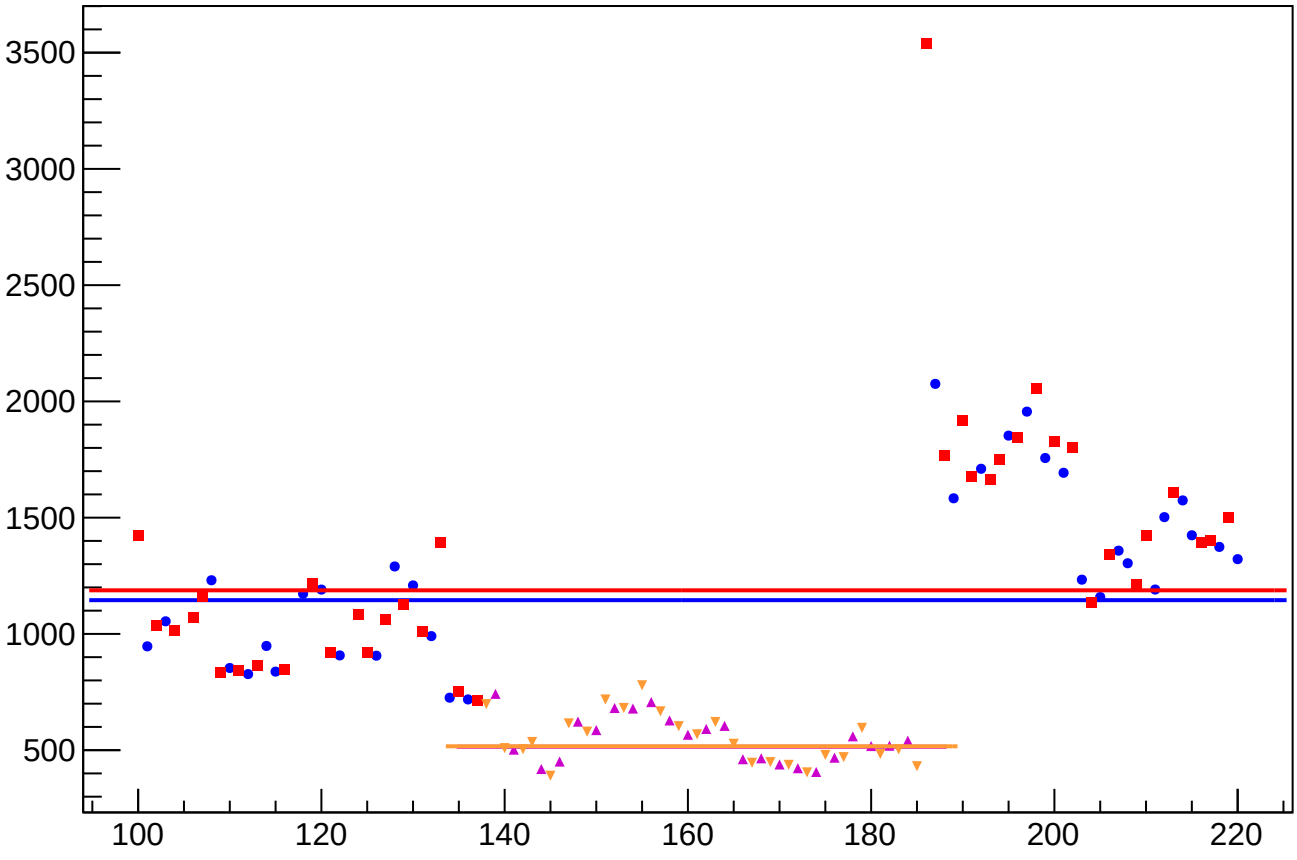
Right Out: -1341.960+/-268.772 χ^2/NDF: 52.3/36

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -656.405+/-108.790 χ^2/NDF: 118.2/57

All: -484.447+/-77.854 χ^2/NDF: 218.3/117

- sign -303.938+/-111.462 χ^2/NDF: 94.9/59



Right In: 1145.133+/-0.184 χ^2/NDF: 3121677.8/32

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

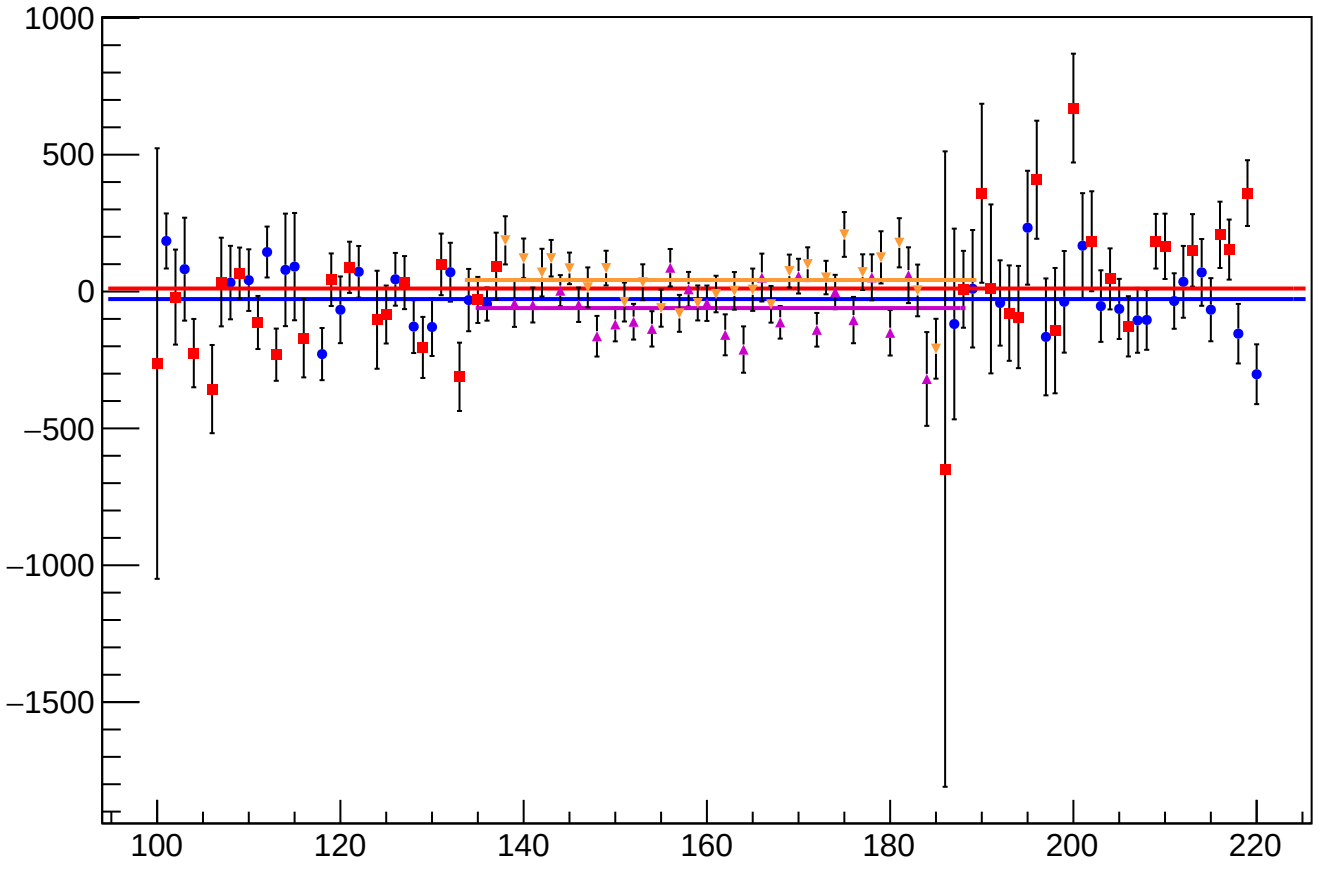
Right Out: 1187.526+/-0.190 χ^2/NDF: 3631156.9/36

Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 626.293+/-0.077 χ^2/NDF: 14001250.3/57

All: 628.337+/-0.055 χ^2/NDF: 29129643.2/11

- sign 630.483+/-0.079 χ^2/NDF: 15126945.5/59



Right In: -27.519+/-20.453 χ^2/NDF: 31.4/32

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: 11.050+/-20.960 χ^2/NDF: 70.7/36

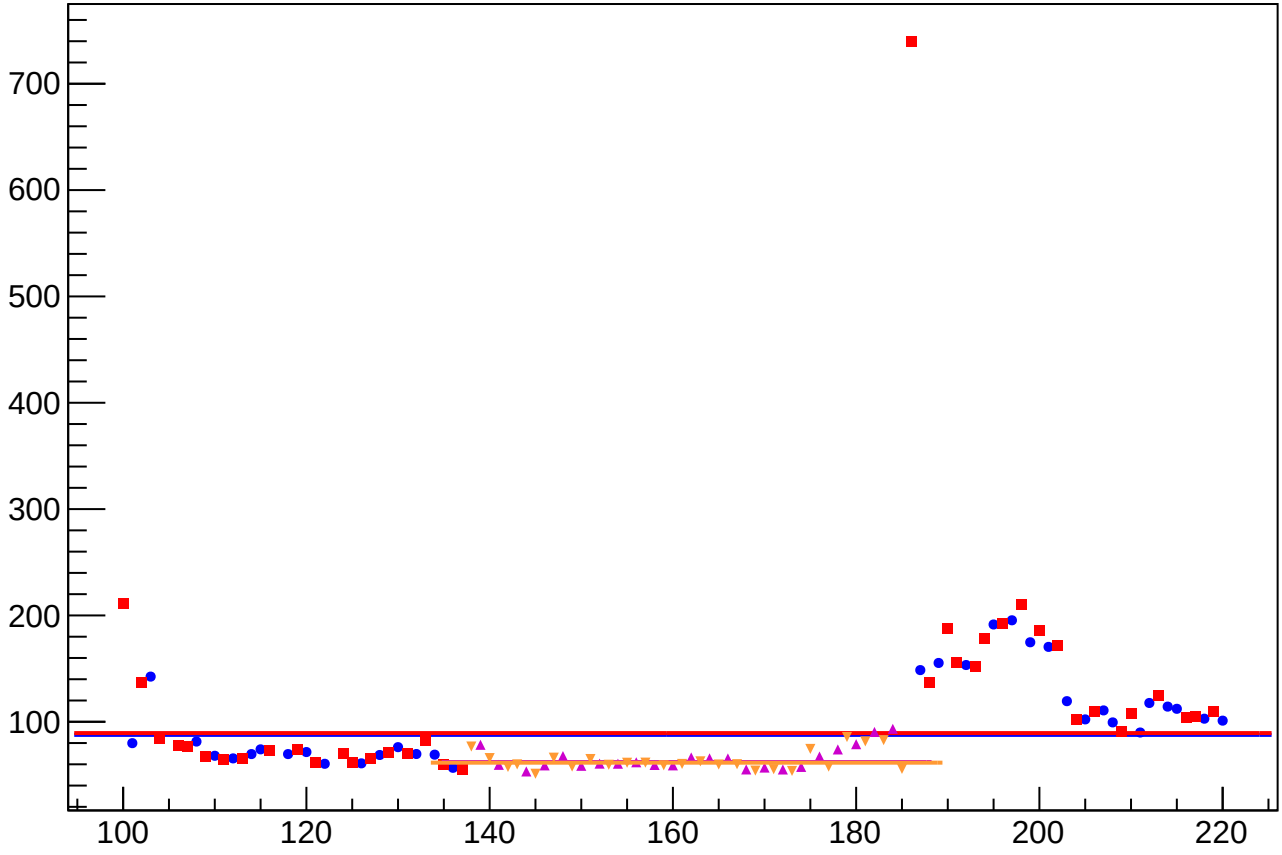
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 19.442+/-11.654 χ^2/NDF: 71.3/57

All: -7.755+/-8.375 χ^2/NDF: 193.2/117

- sign -36.797+/-12.043 χ^2/NDF: 110.6/59

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 87.669+/-0.014 χ^2/NDF: 4587910.5/32

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

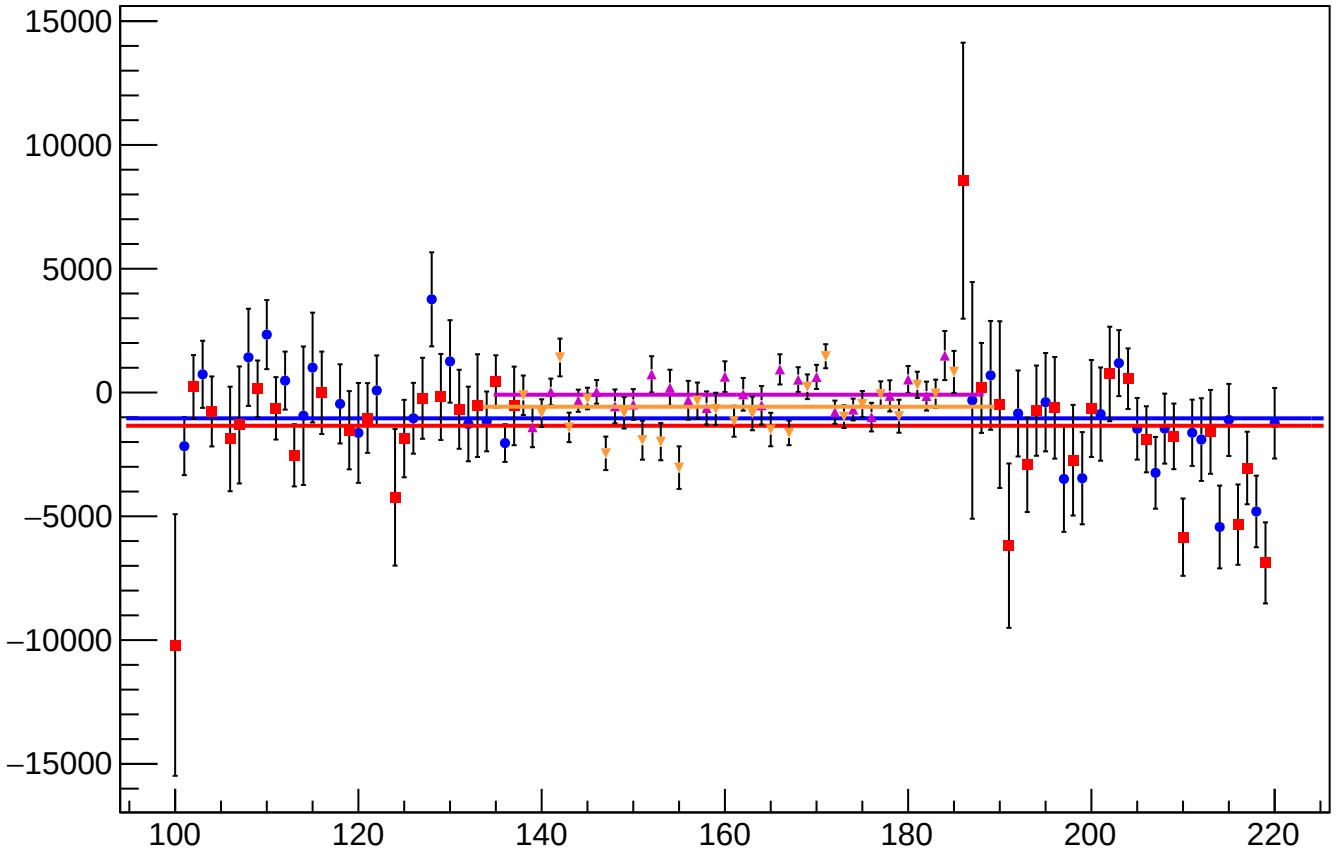
Right Out: 89.365+/-0.015 χ^2/NDF: 5779180.9/36

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 70.026+/-0.008 χ^2/NDF: 7429377.6/57

All: 70.560+/-0.006 χ^2/NDF: 16073770.1/117

- sign 71.131+/-0.009 χ^2/NDF: 8635695.8/59



Right In: -1042.462+/-260.449 χ^2/NDF: 46.8/32

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

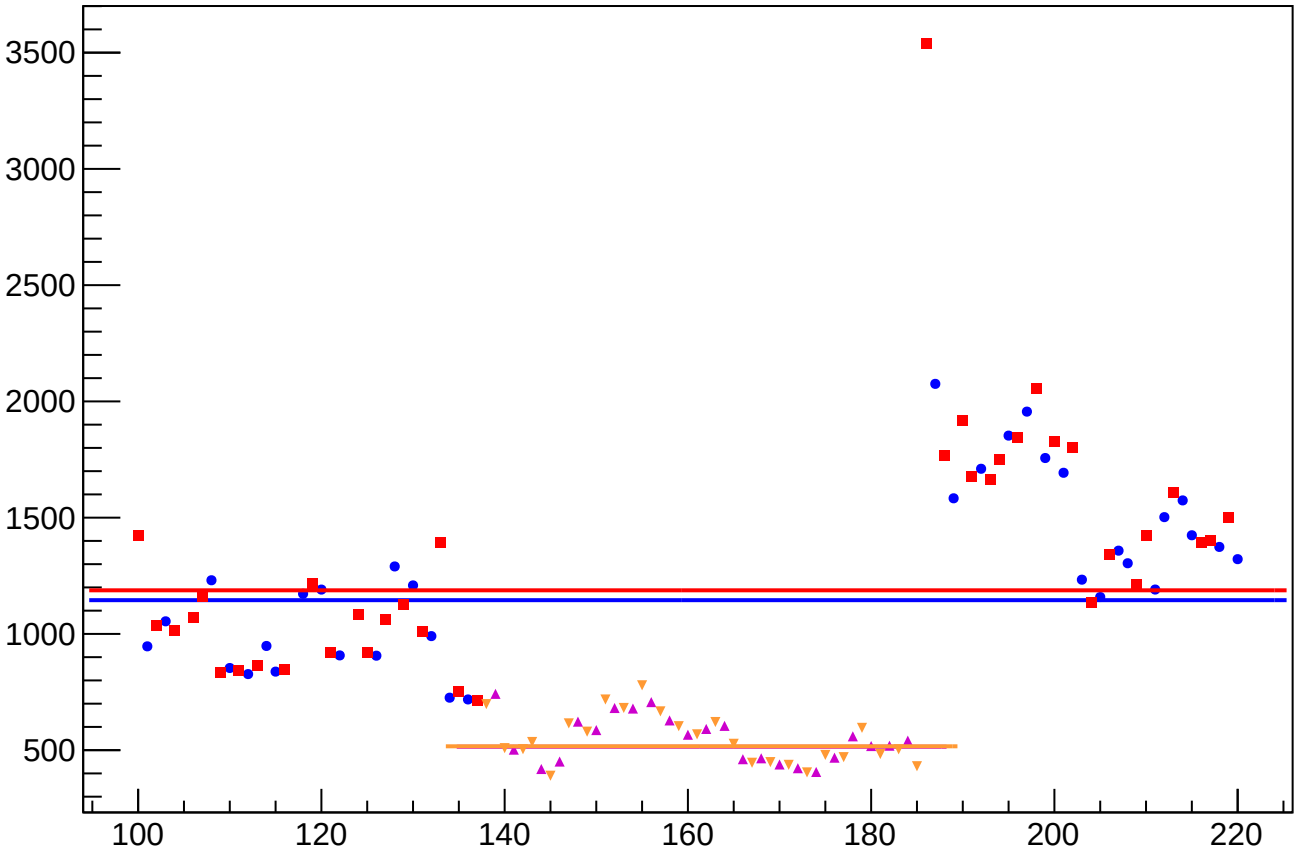
Right Out: -1341.960+/-268.772 χ^2/NDF: 52.3/36

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -656.405+/-108.790 χ^2/NDF: 118.2/57

All: -484.447+/-77.854 χ^2/NDF: 218.3/117

- sign -303.938+/-111.462 χ^2/NDF: 94.9/59



Right In: 1145.133+/-0.184 χ^2/NDF: 3121677.8/32

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1187.526+/-0.190 χ^2/NDF: 3631156.9/36

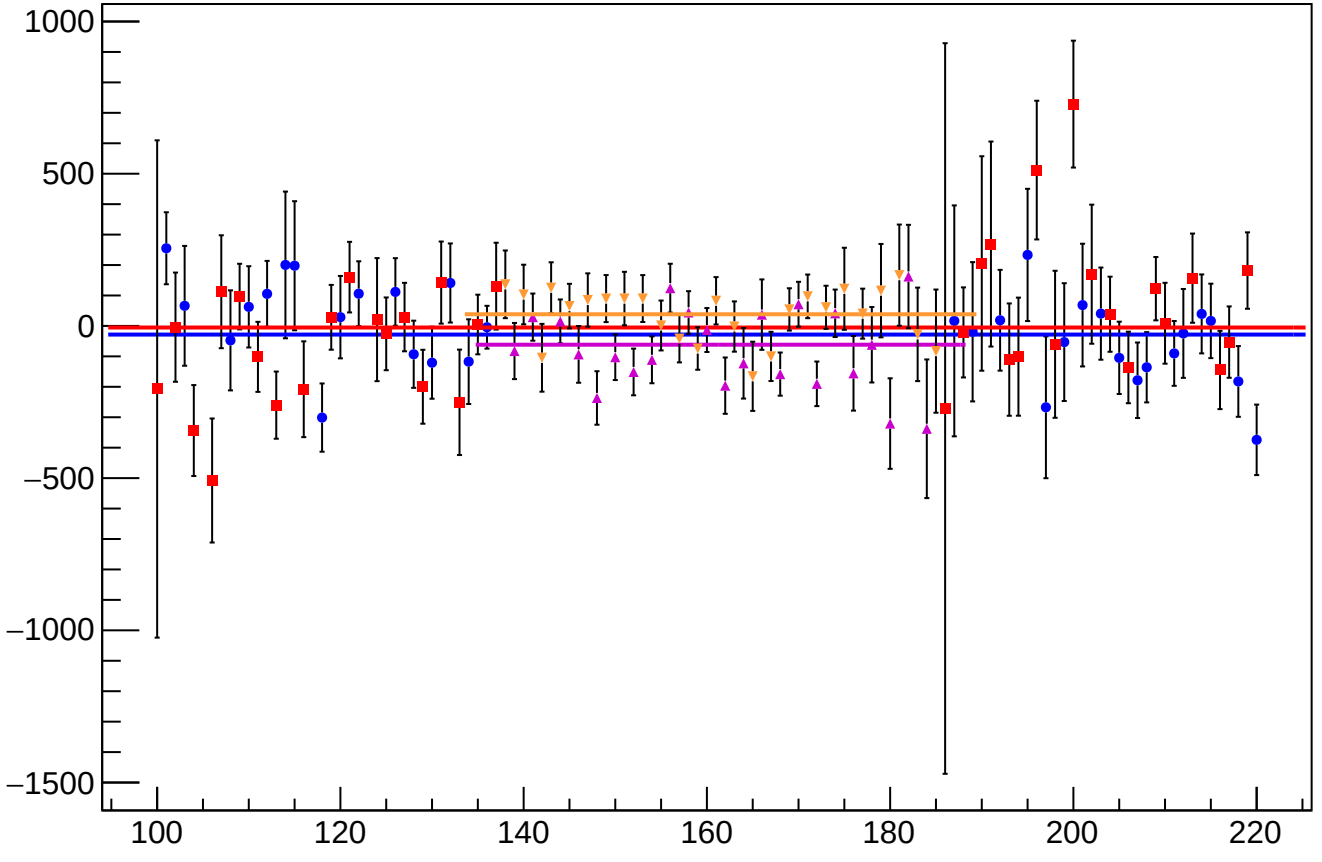
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 626.293+/-0.077 χ^2/NDF: 14001250.3/57

All: 628.337+/-0.055 χ^2/NDF: 29129643.2/11

- sign 630.483+/-0.079 χ^2/NDF: 15126945.5/59

dit_asym_sam_12345678_avg_mean vs Slug



Right In: -28.425+/-22.917 χ^2/NDF: 39.7/32

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -5.206+/-23.643 χ^2/NDF: 56.8/36

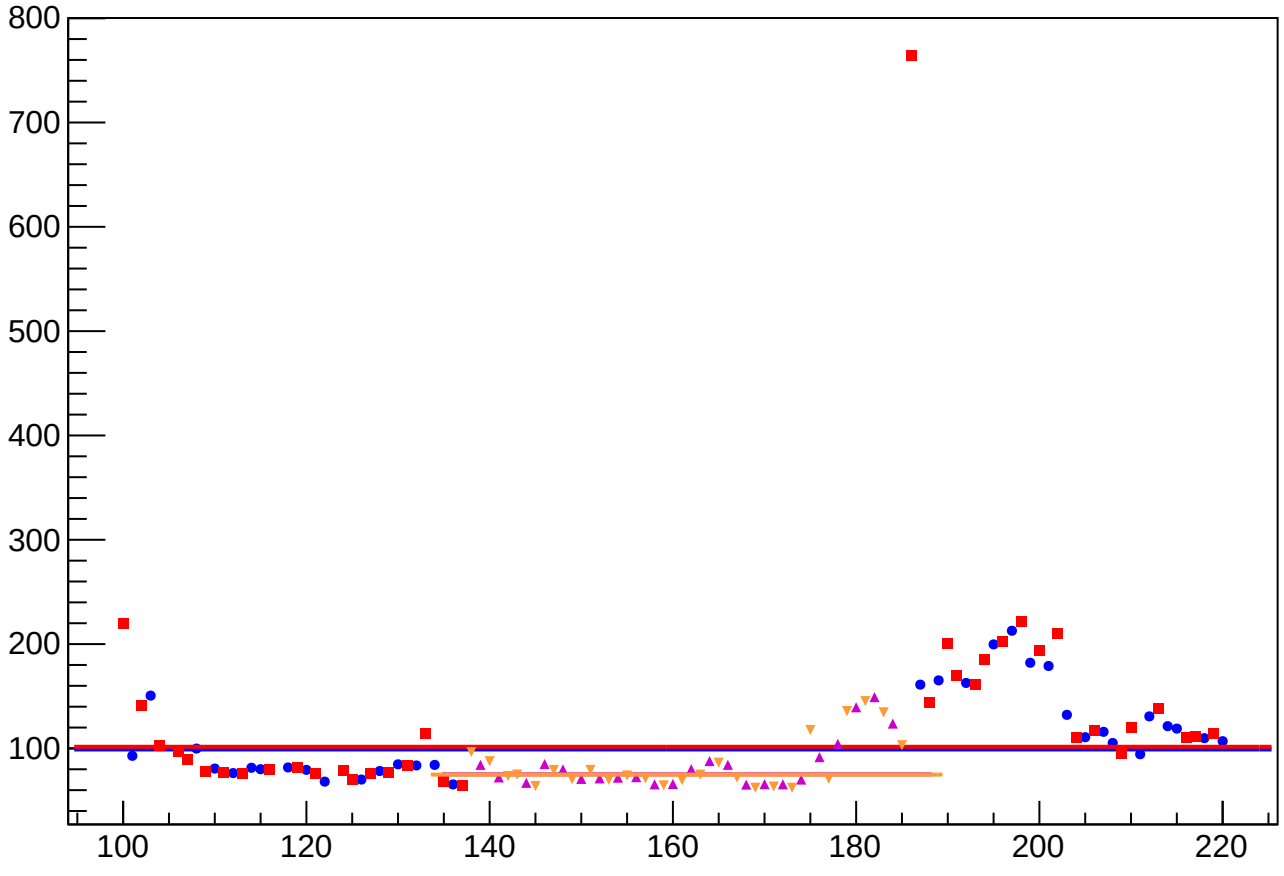
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 13.411+/-13.993 χ^2/NDF: 63.8/57

All: -12.839+/-10.041 χ^2/NDF: 168.2/117

- sign -40.707+/-14.418 χ^2/NDF: 97.1/59

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 99.001+/-0.016 χ^2/NDF: 3796671.8/32

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 101.581+/-0.017 χ^2/NDF: 5003537.9/36

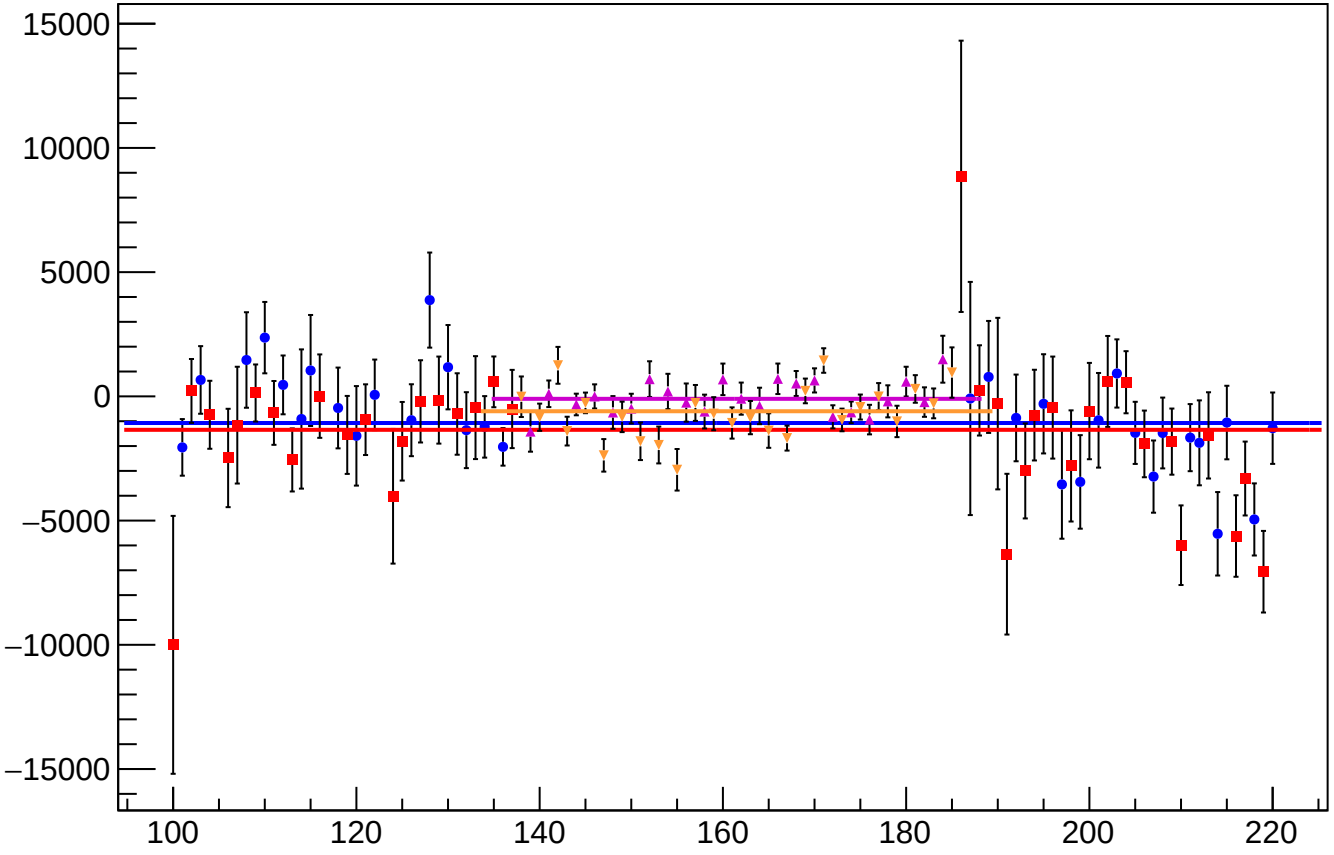
Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 83.888+/-0.010 χ^2/NDF: 6845223.8/57

All: 84.419+/-0.007 χ^2/NDF: 14736587.2/117

- sign 84.982+/-0.010 χ^2/NDF: 7885427.2/59

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -1072.324+/-262.207 χ^2/NDF: 46.2/32

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

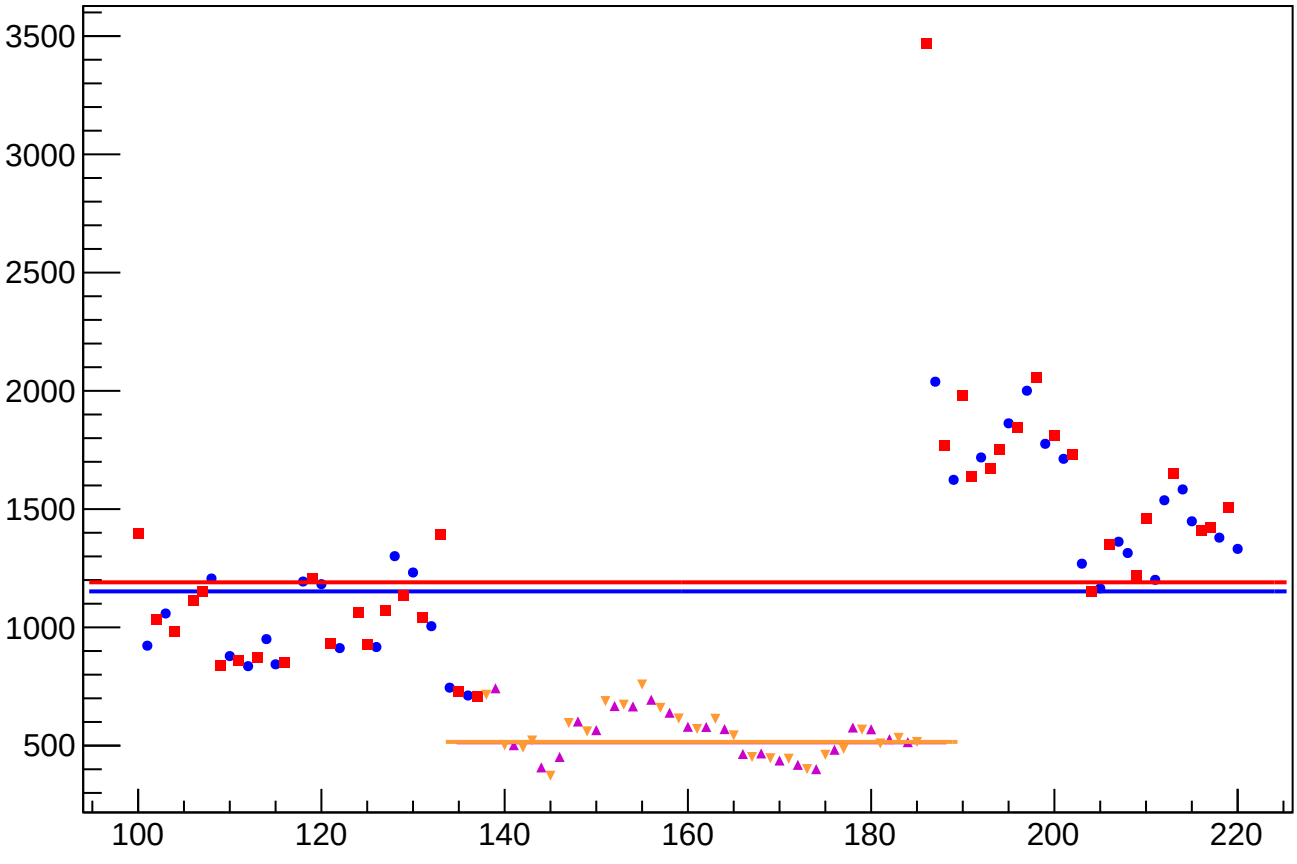
Right Out: -1346.666+/-269.080 χ^2/NDF: 55.8/36

Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

\+ sign -680.061+/-108.607 χ^2/NDF: 114.0/57

All: -500.971+/-77.747 χ^2/NDF: 216.8/117

\- sign -312.730+/-111.347 χ^2/NDF: 97.3/59



Right In: 1152.103+/-0.185 χ^2/NDF: 3193624.0/32

Left Out: 515.762+/-0.084 χ^2/NDF:1232478.6/24

Right Out: 1190.502+/-0.190 χ^2/NDF: 3658432.5/36

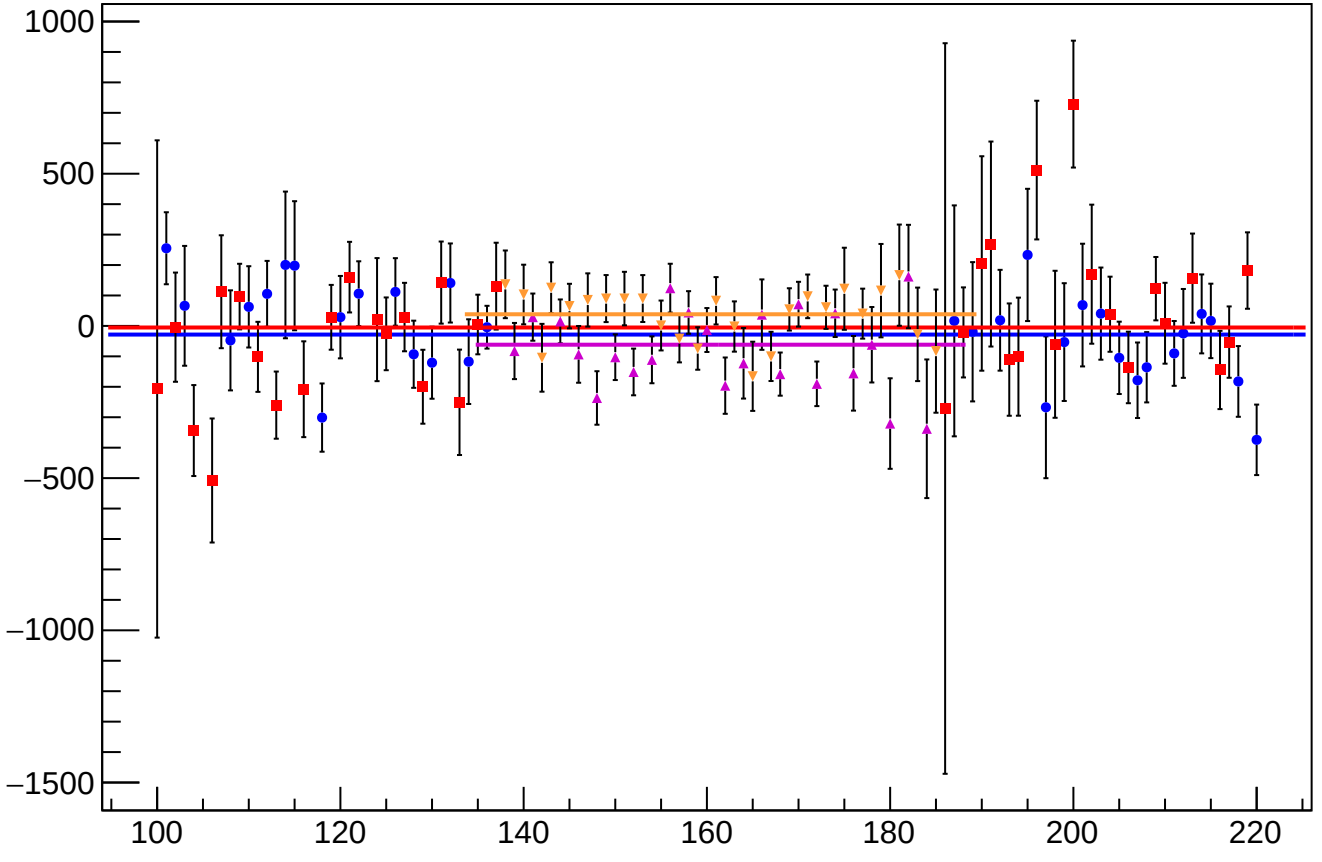
Left In: 514.088+/-0.086 χ^2/NDF:1116884.3/22

+ sign 624.935+/-0.077 χ^2/NDF: 14184568.6/57

All: 627.362+/-0.055 χ^2/NDF: 29436194.4/11

- sign 629.914+/-0.079 χ^2/NDF: 15249576.0/59

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: -28.423+/-22.917 χ^2/NDF: 39.7/32

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -5.204+/-23.643 χ^2/NDF: 56.8/36

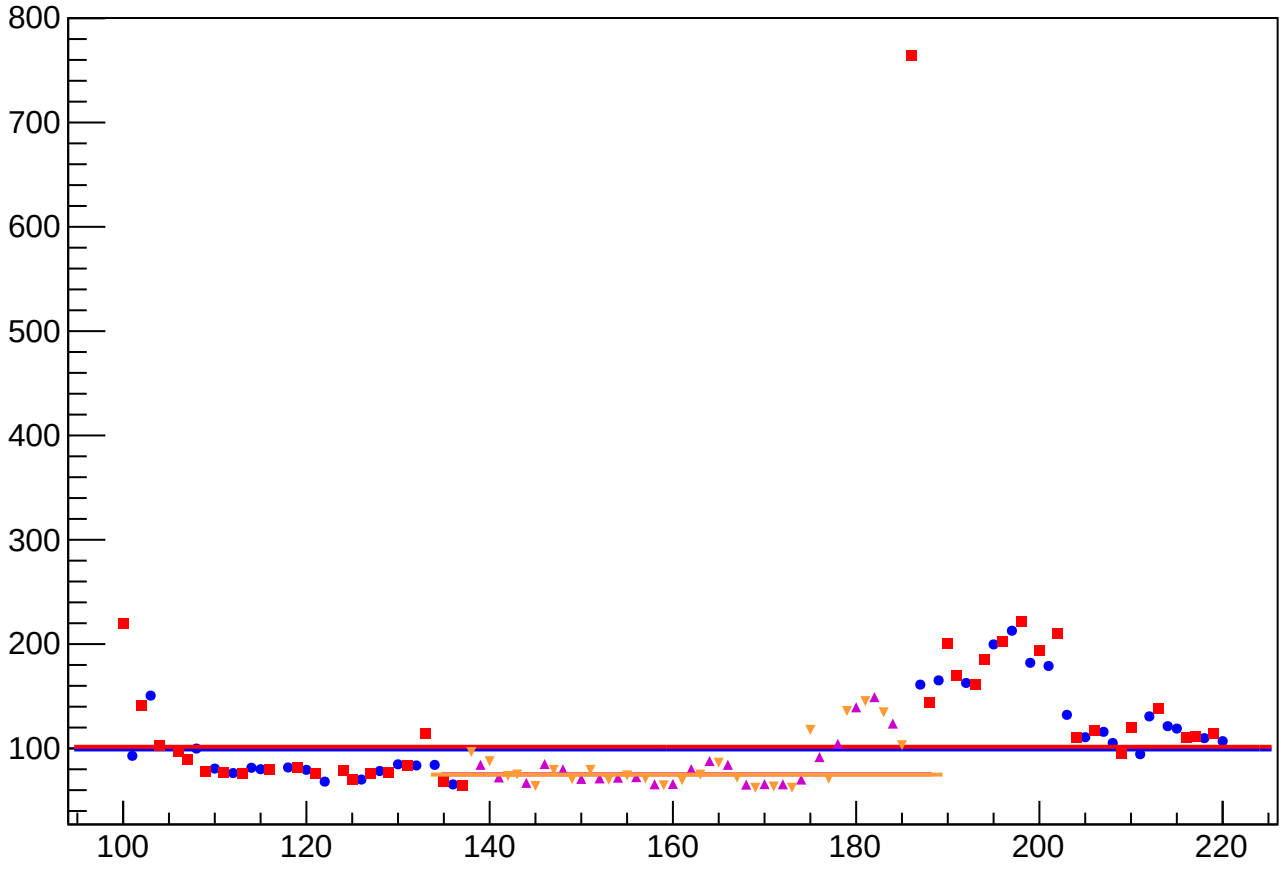
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 13.411+/-13.993 χ^2/NDF: 63.8/57

All: -12.838+/-10.041 χ^2/NDF: 168.2/117

- sign -40.706+/-14.418 χ^2/NDF: 97.1/59

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 99.001+/-0.016 χ^2/NDF: 3796685.6/32

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

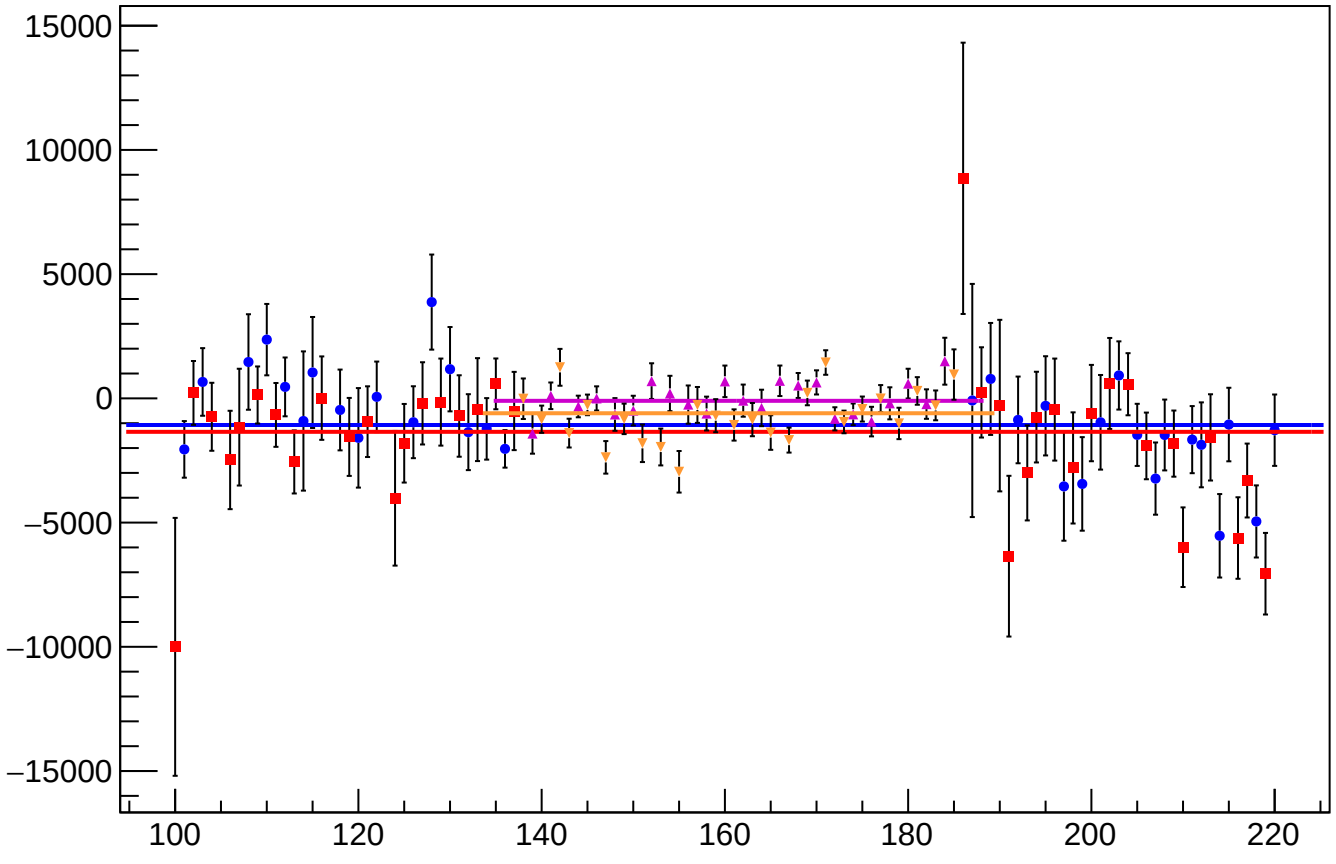
Right Out: 101.581+/-0.017 χ^2/NDF: 5003566.3/36

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 83.888+/-0.010 χ^2/NDF: 6845186.5/57

All: 84.419+/-0.007 χ^2/NDF: 14736510.6/117

- sign 84.982+/-0.010 χ^2/NDF: 7885387.5/59



Right In: -1072.320+/-262.207 χ^2/NDF: 46.2/32

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

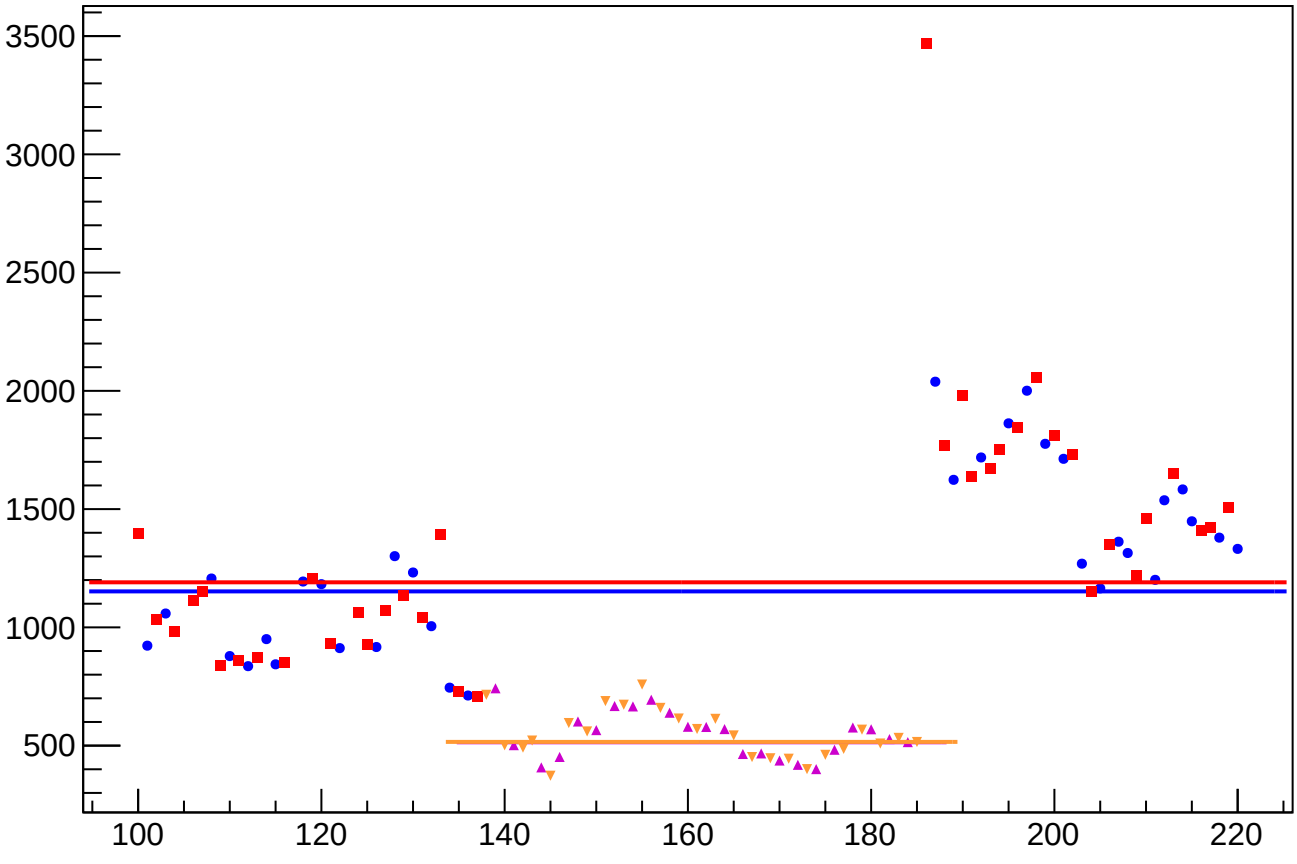
Right Out: -1346.663+/-269.080 χ^2/NDF: 55.8/36

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

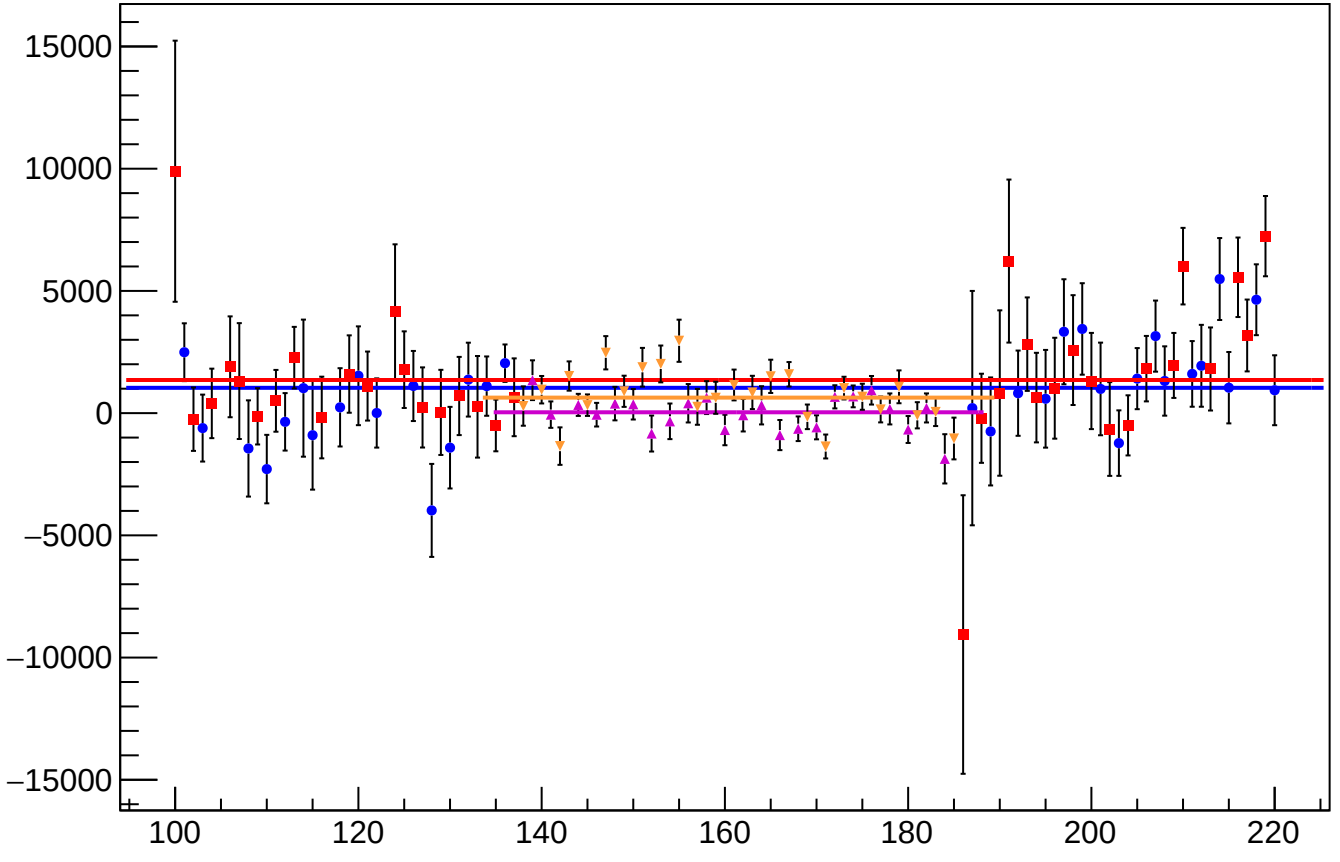
+ sign -680.060+/-108.607 χ^2/NDF: 114.0/57

All: -500.970+/-77.747 χ^2/NDF: 216.8/117

- sign -312.728+/-111.347 χ^2/NDF: 97.3/59


asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
220
Right In: 1152.101+/-0.185 χ²/NDF: 3193634.7/32
Left Out: 515.761+/-0.084 χ²/NDF:1232481.1/24
Right Out: 1190.500+/-0.190 χ²/NDF: 3658445.8/36
Left In: 514.087+/-0.086 χ²/NDF:1116882.7/22
+ sign 624.933+/-0.077 χ²/NDF: 14184581.7/57
All: 627.361+/-0.055 χ²/NDF: 29436214.1/11
- sign 629.913+/-0.079 χ²/NDF: 15249582.6/59

asym_sam_12345678_avg_mean vs Slug



Right In: 1035.899+/-261.519 χ^2/NDF: 46.4/32

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 1355.377+/-269.672 χ^2/NDF: 55.0/36

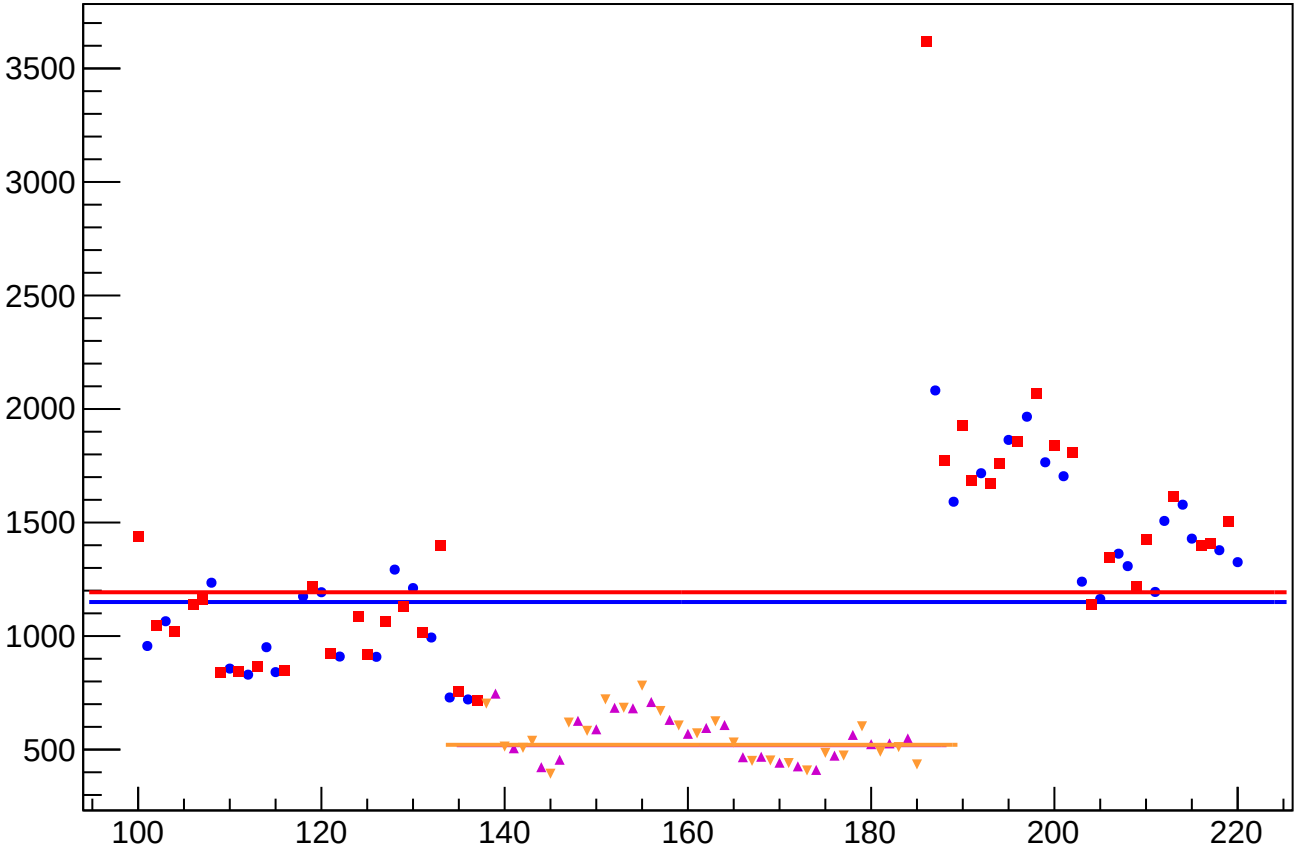
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 705.238+/-109.603 χ^2/NDF: 112.9/57

All: 489.883+/-78.437 χ^2/NDF: 220.7/117

- sign 263.809+/-112.298 χ^2/NDF: 99.9/59

asym_sam_12345678_avg_rms vs Slug



Right In: 1149.853+/-0.185 χ^2/NDF: 3120899.6/32

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

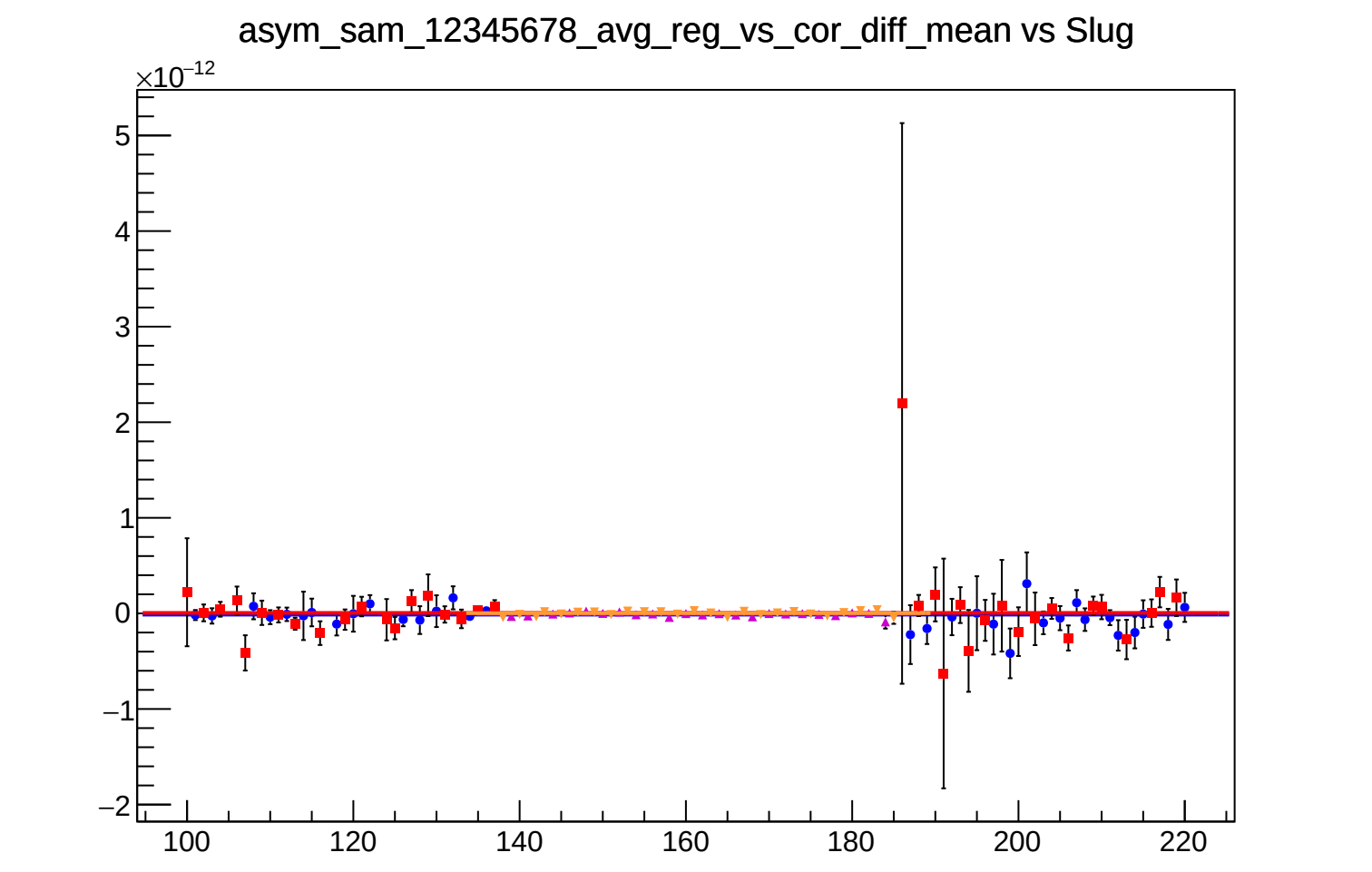
Right Out: 1192.887+/-0.191 χ^2/NDF: 3639304.2/36

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 631.477+/-0.078 χ^2/NDF: 13896249.1/57

All: 633.711+/-0.055 χ^2/NDF: 28953886.5/11

- sign 636.057+/-0.079 χ^2/NDF: 15055933.8/59



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/32

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

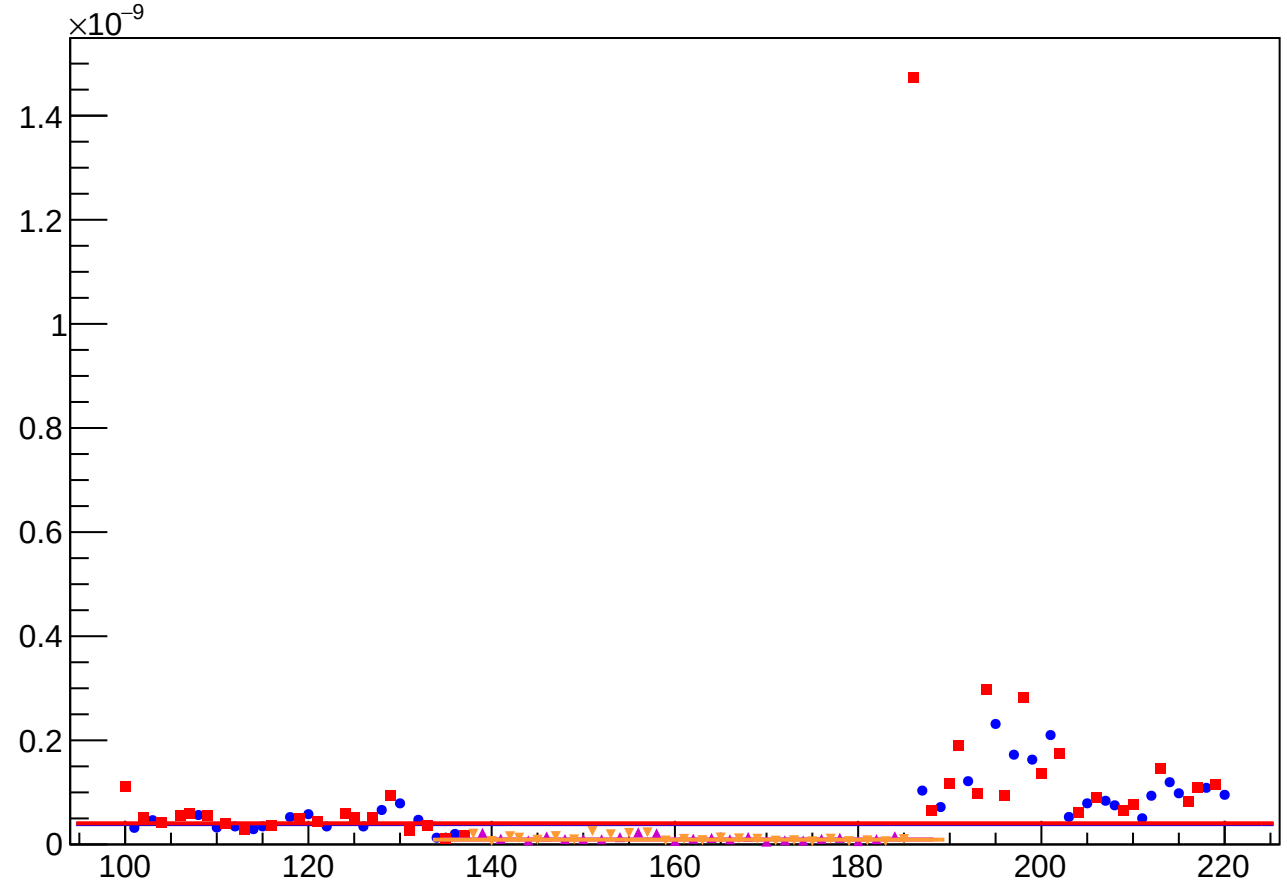
Right Out: 0.000+/-0.000 χ^2/NDF: 32.5/36

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.2/57

All: -0.000+/-0.000 χ^2/NDF: 86.0/117

- sign -0.000+/-0.000 χ^2/NDF: 43.6/59



Right In: 0.000+/-0.000 χ^2/NDF: 6627838.3/32

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

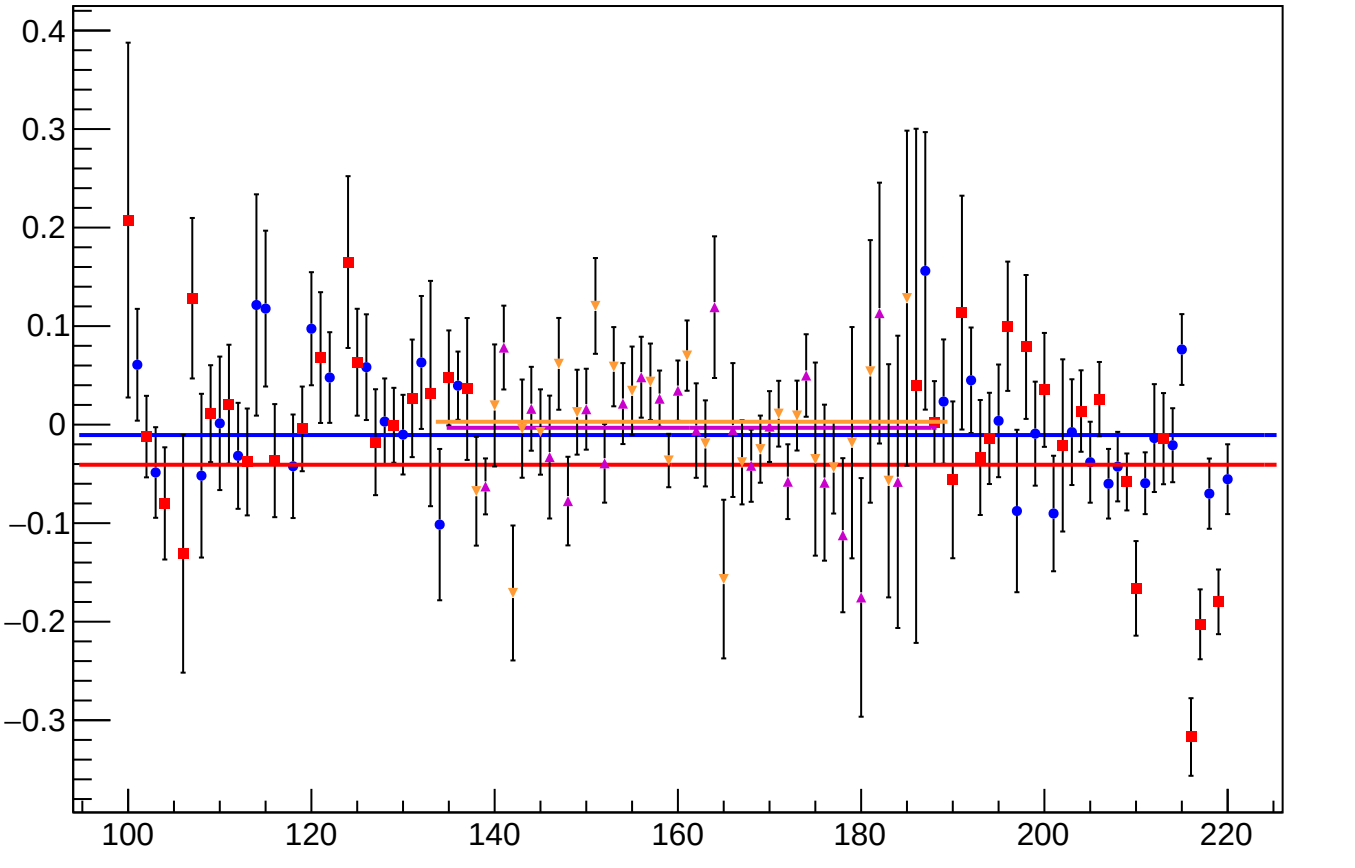
Right Out: 0.000+/-0.000 χ^2/NDF: 7397019.4/36

Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 15388833.0/57

All: 0.000+/-0.000 χ^2/NDF: 30505017.3/117

- sign 0.000+/-0.000 χ^2/NDF: 15107709.3/59



Right In: -0.011+/-0.008 χ^2/NDF: 40.2/32

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

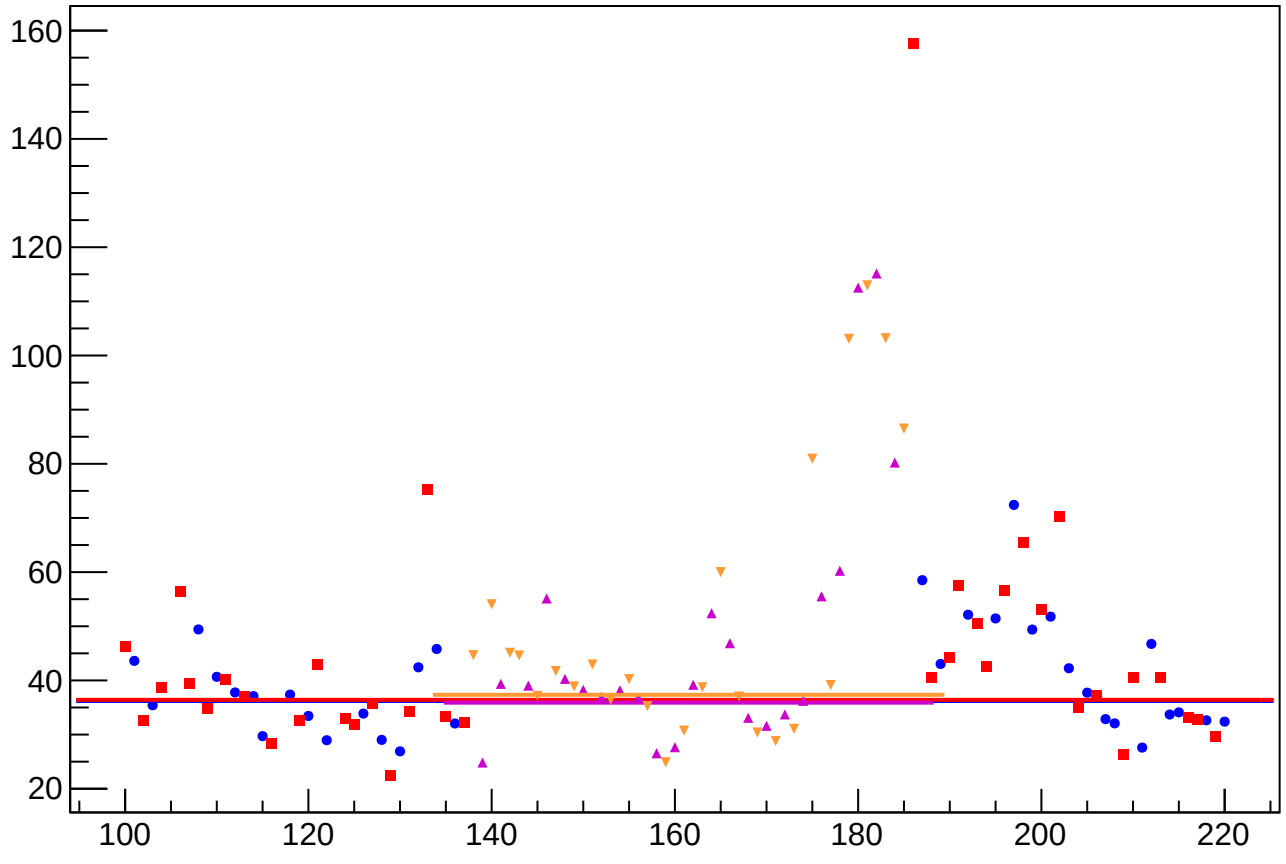
Right Out: -0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.005+/-0.006 χ^2/NDF: 74.2/57

All: -0.014+/-0.004 χ^2/NDF: 260.3/117

- sign -0.023+/-0.006 χ^2/NDF: 181.5/59



Right In: 36.206+/-0.006 χ^2/NDF: 1806994.8/32

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

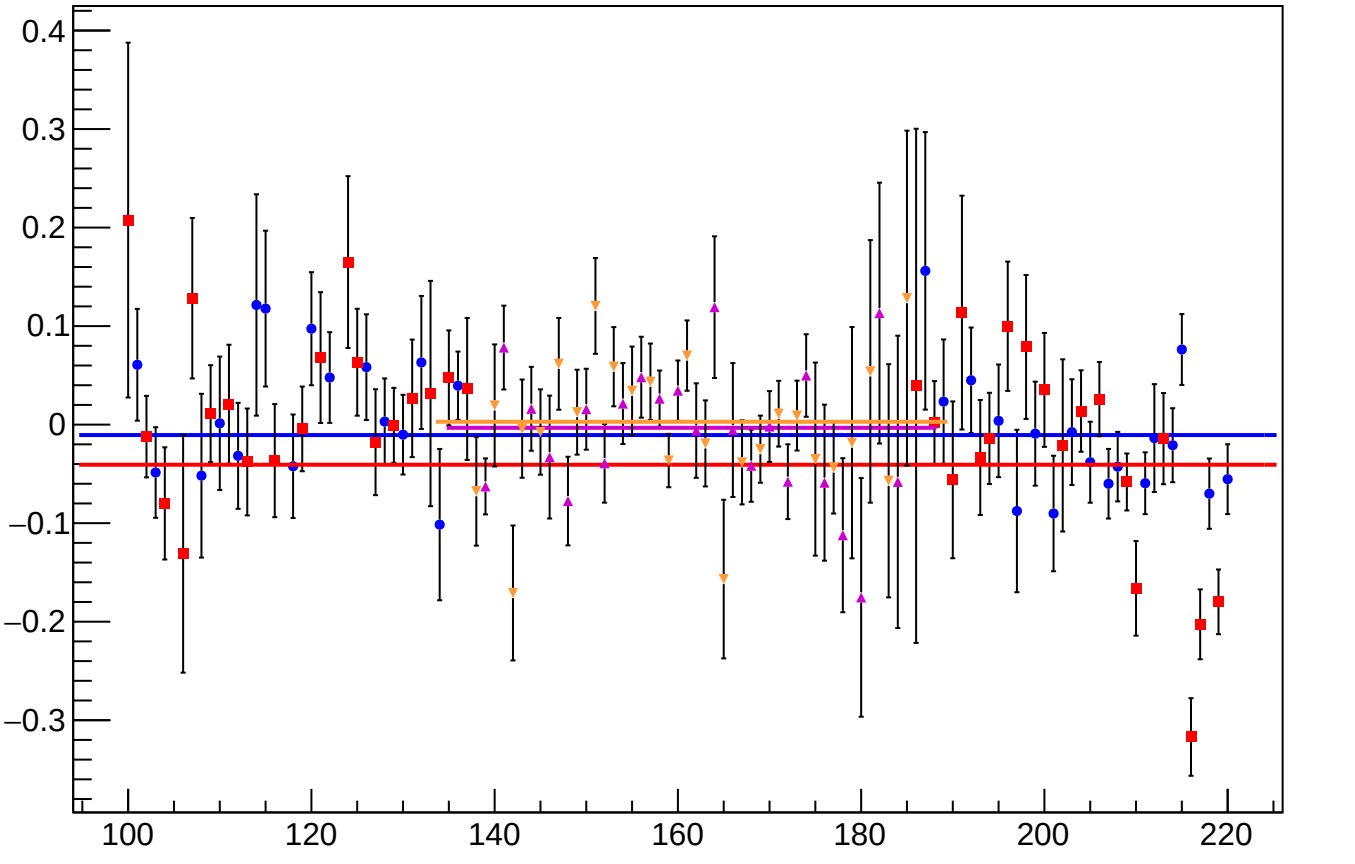
Right Out: 36.414+/-0.006 χ^2/NDF: 2761922.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.718+/-0.004 χ^2/NDF: 5520261.8/57

All: 36.447+/-0.003 χ^2/NDF: 11431546.2/117

- sign 36.175+/-0.004 χ^2/NDF: 5903663.5/59



Right In: -0.011+/-0.008 χ^2/NDF: 40.2/32

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

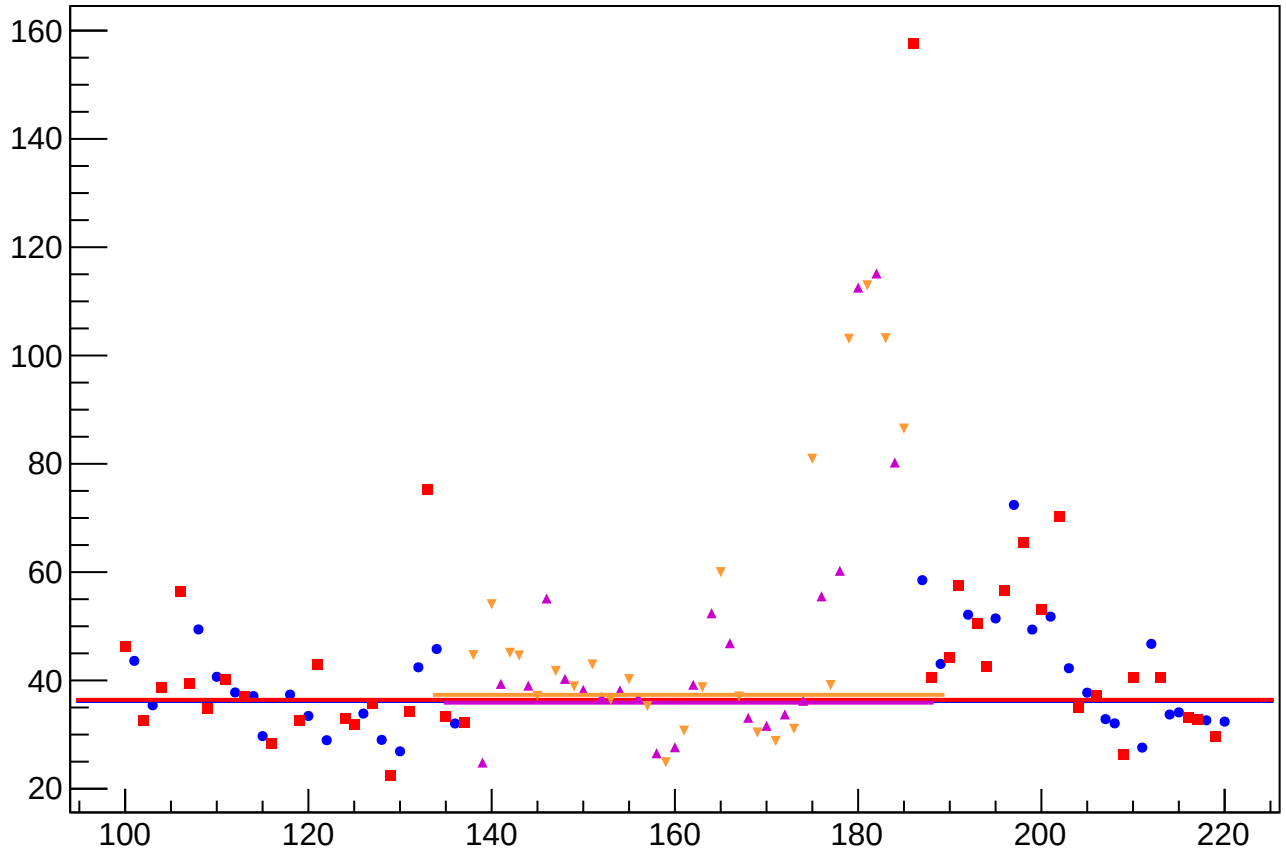
Right Out: -0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.005+/-0.006 χ^2/NDF: 74.2/57

All: -0.014+/-0.004 χ^2/NDF: 260.3/117

- sign -0.023+/-0.006 χ^2/NDF: 181.5/59



Right In: 36.206+/-0.006 χ^2/NDF: 1806994.8/32

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

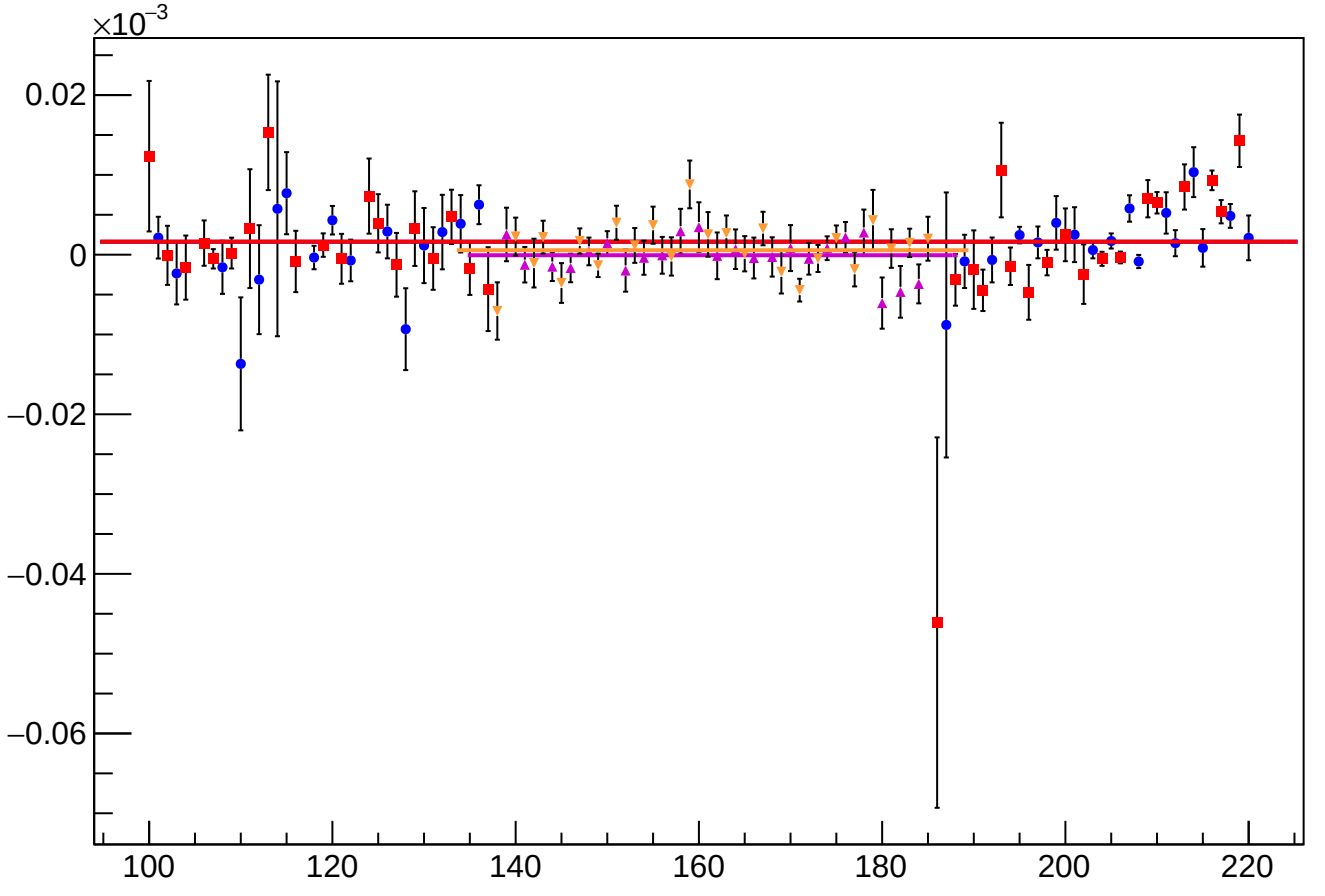
Right Out: 36.414+/-0.006 χ^2/NDF: 2761922.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 36.718+/-0.004 χ^2/NDF: 5520261.8/57

All: 36.447+/-0.003 χ^2/NDF: 11431546.2/117

- sign 36.175+/-0.004 χ^2/NDF: 5903663.5/59



Right In: 0.000+/-0.000 χ^2/NDF: 54.7/32

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

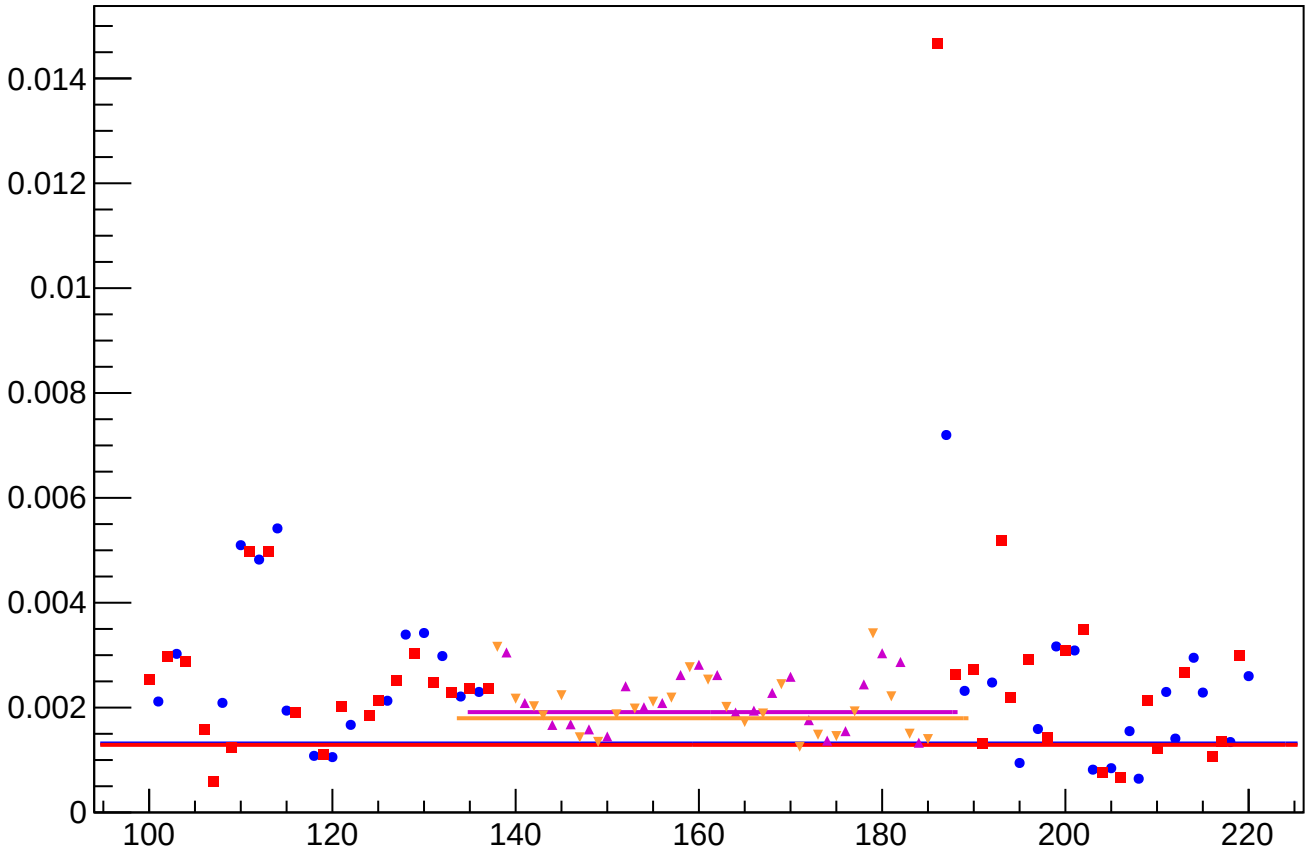
Right Out: 0.000+/-0.000 χ^2/NDF: 138.2/36

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 102.1/57

All: 0.000+/-0.000 χ^2/NDF: 266.1/117

- sign 0.000+/-0.000 χ^2/NDF: 163.9/59



Right In: 0.001+/-0.000 χ^2/NDF: 9592528.5/32

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

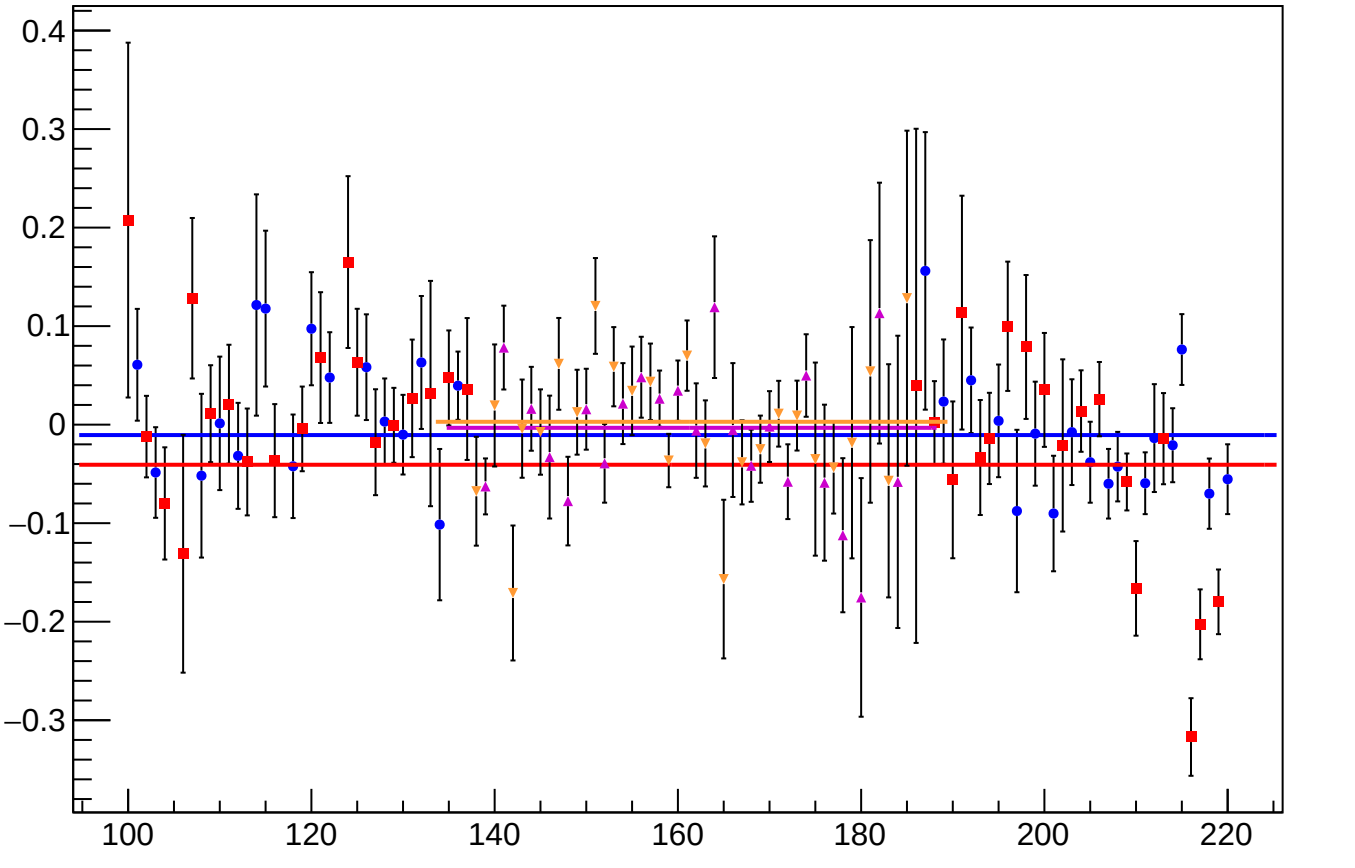
Right Out: 0.001+/-0.000 χ^2/NDF: 11494569.5/36

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 13437489.9/57

All: 0.002+/-0.000 χ^2/NDF: 29460975.6/117

- sign 0.002+/-0.000 χ^2/NDF: 16023477.8/59



Right In: -0.011+/-0.008 χ^2/NDF: 40.2/32

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

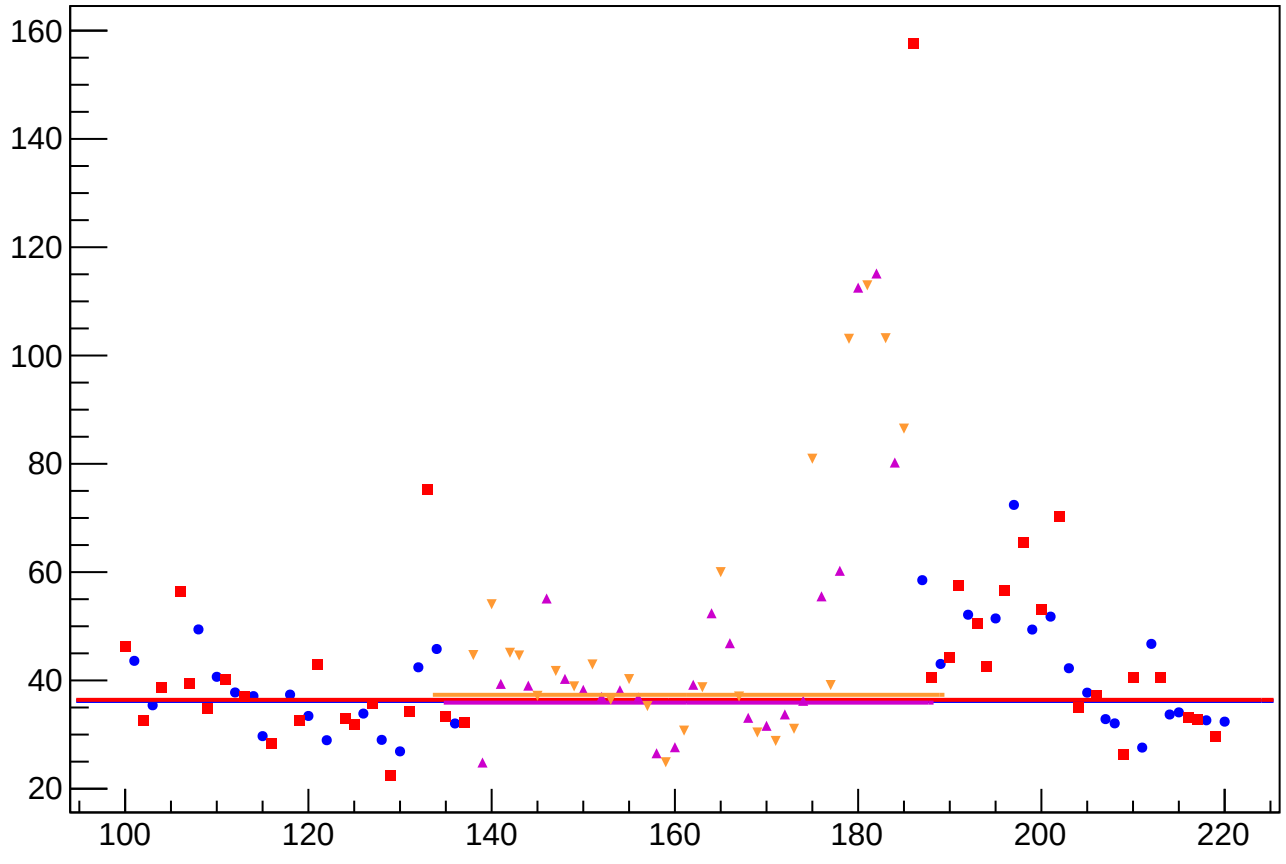
Right Out: -0.041+/-0.008 χ^2/NDF: 142.6/36

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign -0.005+/-0.006 χ^2/NDF: 74.2/57

All: -0.014+/-0.004 χ^2/NDF: 260.3/117

- sign -0.023+/-0.006 χ^2/NDF: 181.4/59



Right In: 36.206+/-0.006 χ^2/NDF: 1807033.1/32

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

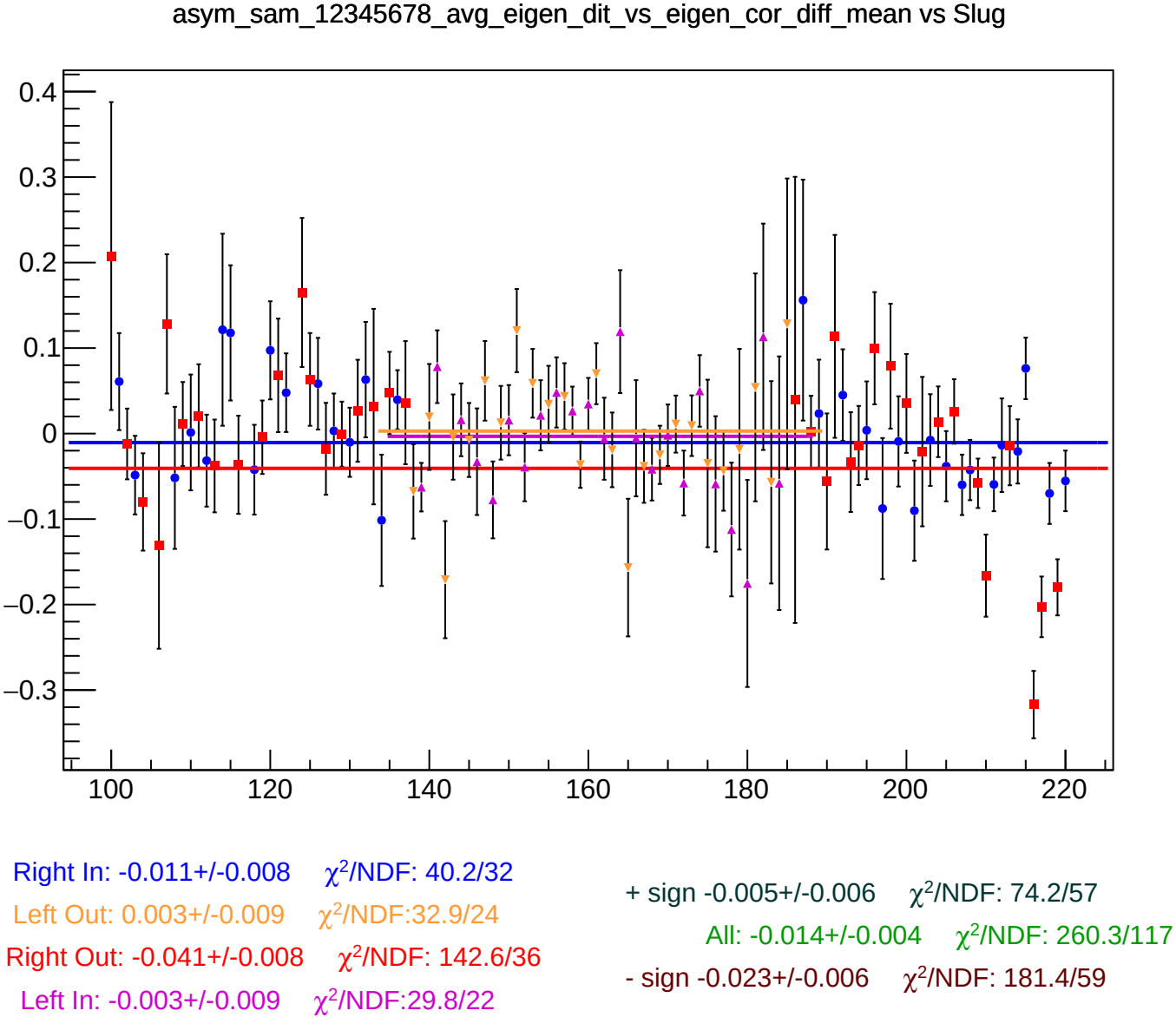
Right Out: 36.414+/-0.006 χ^2/NDF: 2762002.7/36

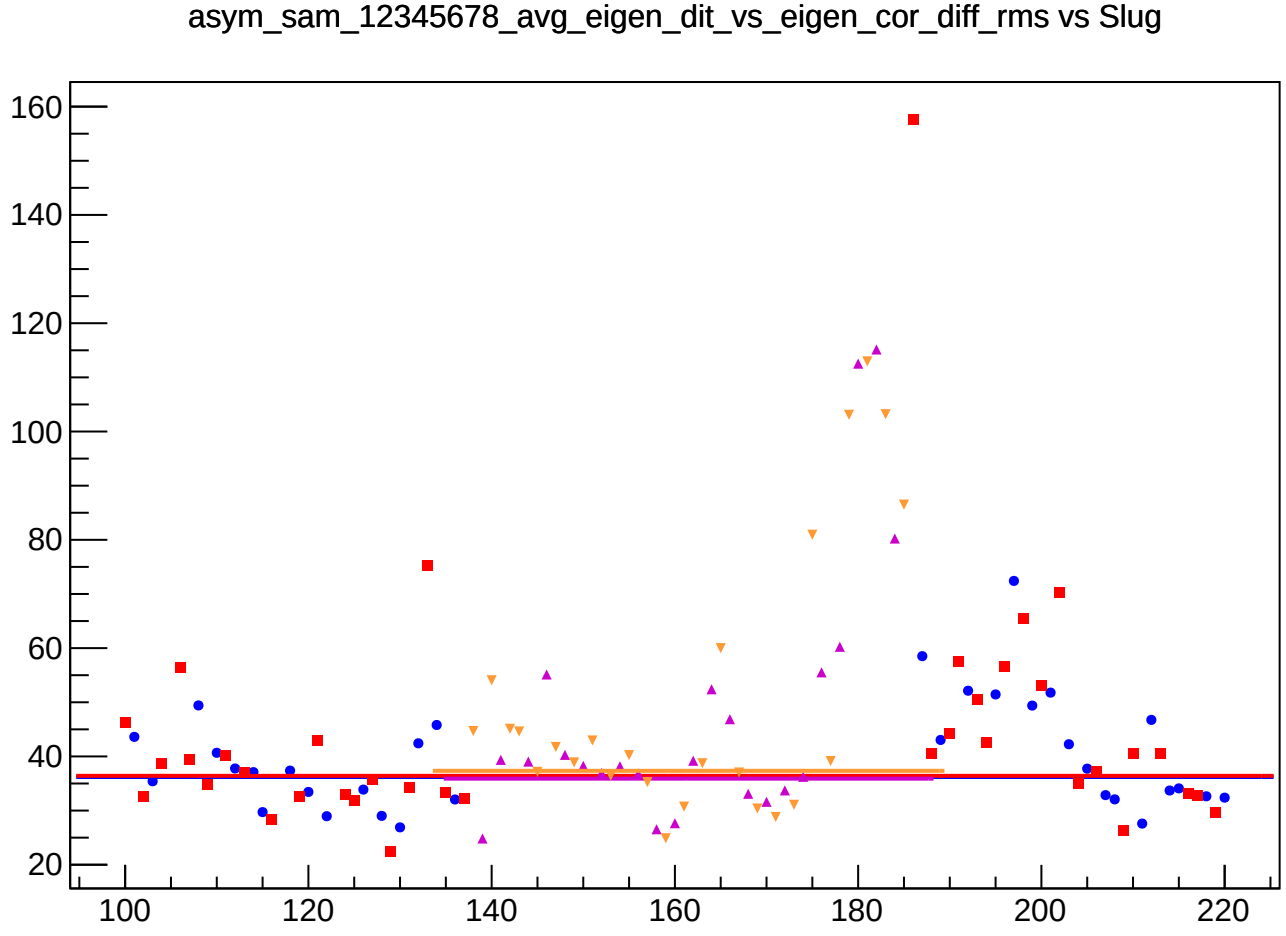
Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.718+/-0.004 χ^2/NDF: 5520367.4/57

All: 36.447+/-0.003 χ^2/NDF: 11431736.5/117

- sign 36.175+/-0.004 χ^2/NDF: 5903750.8/59


asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
220
Right In: -0.011+/-0.008 χ²/NDF: 40.2/32
Left Out: 0.003+/-0.009 χ²/NDF:32.9/24
Right Out: -0.041+/-0.008 χ²/NDF: 142.6/36
Left In: -0.003+/-0.009 χ²/NDF:29.8/22
+ sign -0.005+/-0.006 χ²/NDF: 74.2/57
All: -0.014+/-0.004 χ²/NDF: 260.3/117
- sign -0.023+/-0.006 χ²/NDF: 181.4/59



Right In: 36.206+/-0.006 χ^2/NDF: 1807033.1/32

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

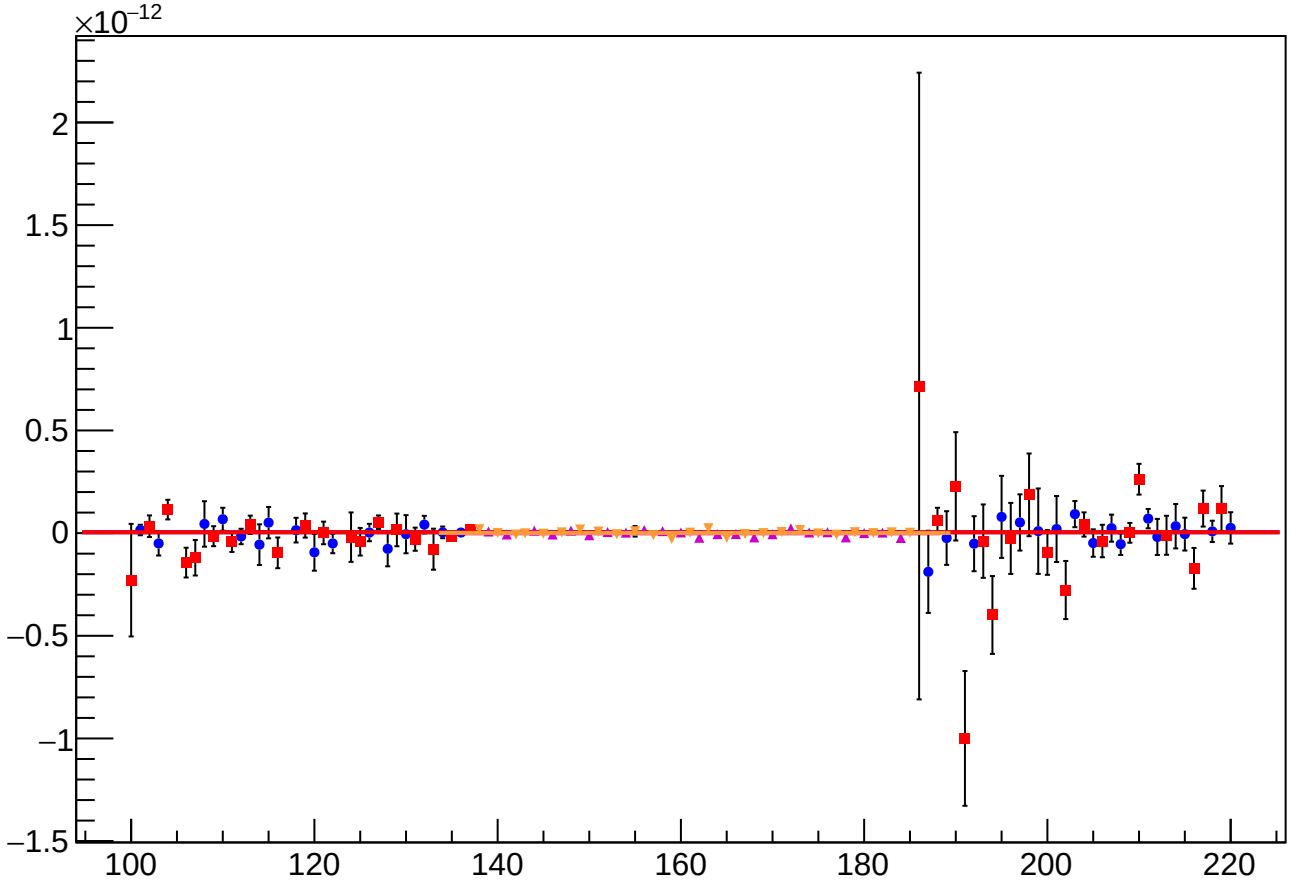
Right Out: 36.414+/-0.006 χ^2/NDF: 2762002.7/36

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 36.718+/-0.004 χ^2/NDF: 5520367.4/57

All: 36.447+/-0.003 χ^2/NDF: 11431736.5/117

- sign 36.175+/-0.004 χ^2/NDF: 5903750.8/59



Right In: 0.000+/-0.000 χ^2/NDF: 15.2/32

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

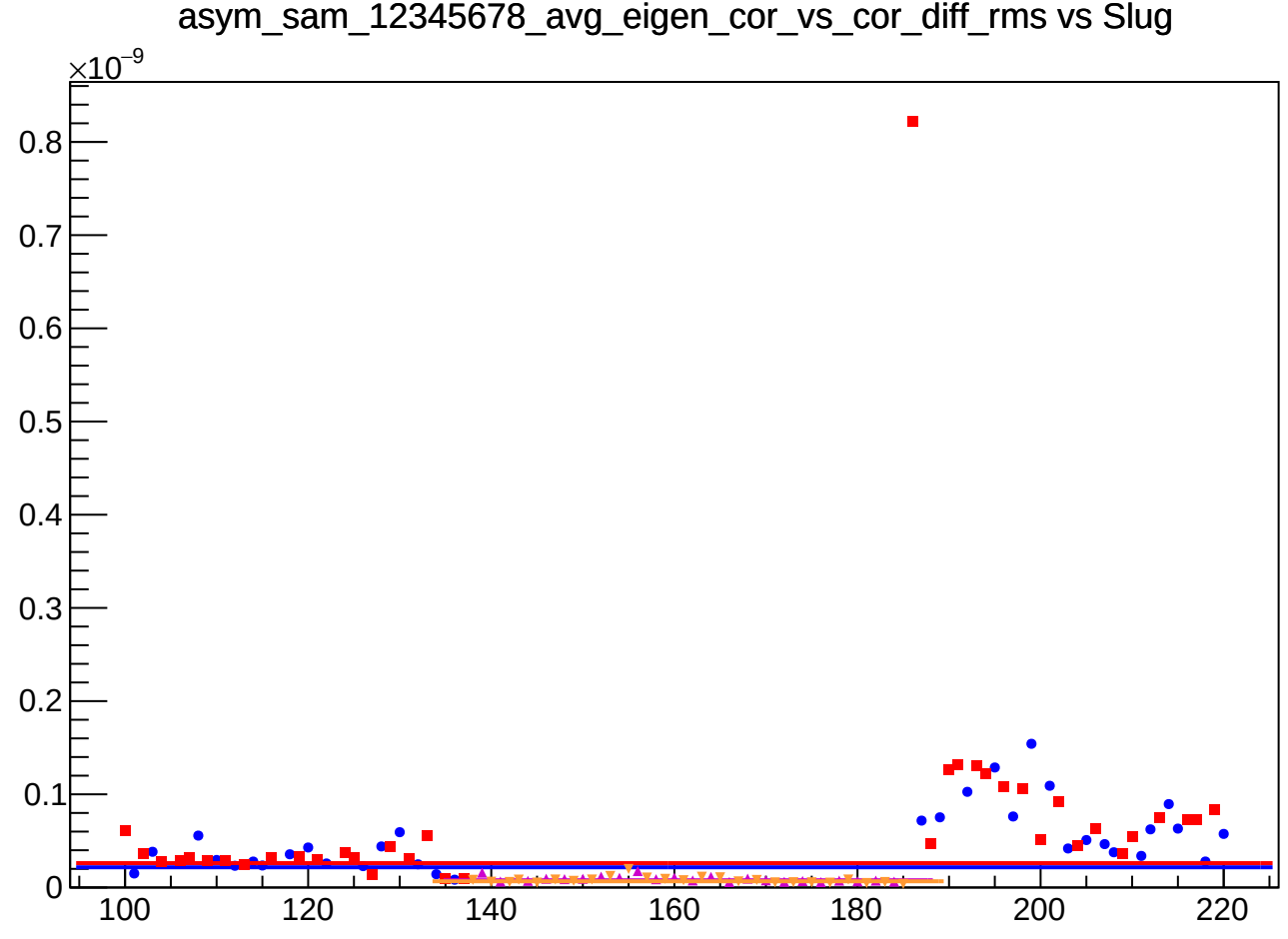
Right Out: 0.000+/-0.000 χ^2/NDF: 61.4/36

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.8/57

All: 0.000+/-0.000 χ^2/NDF: 127.9/117

- sign -0.000+/-0.000 χ^2/NDF: 90.9/59



Right In: 0.000+/-0.000 χ^2/NDF: 10588798.0/32

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10223326.8/36

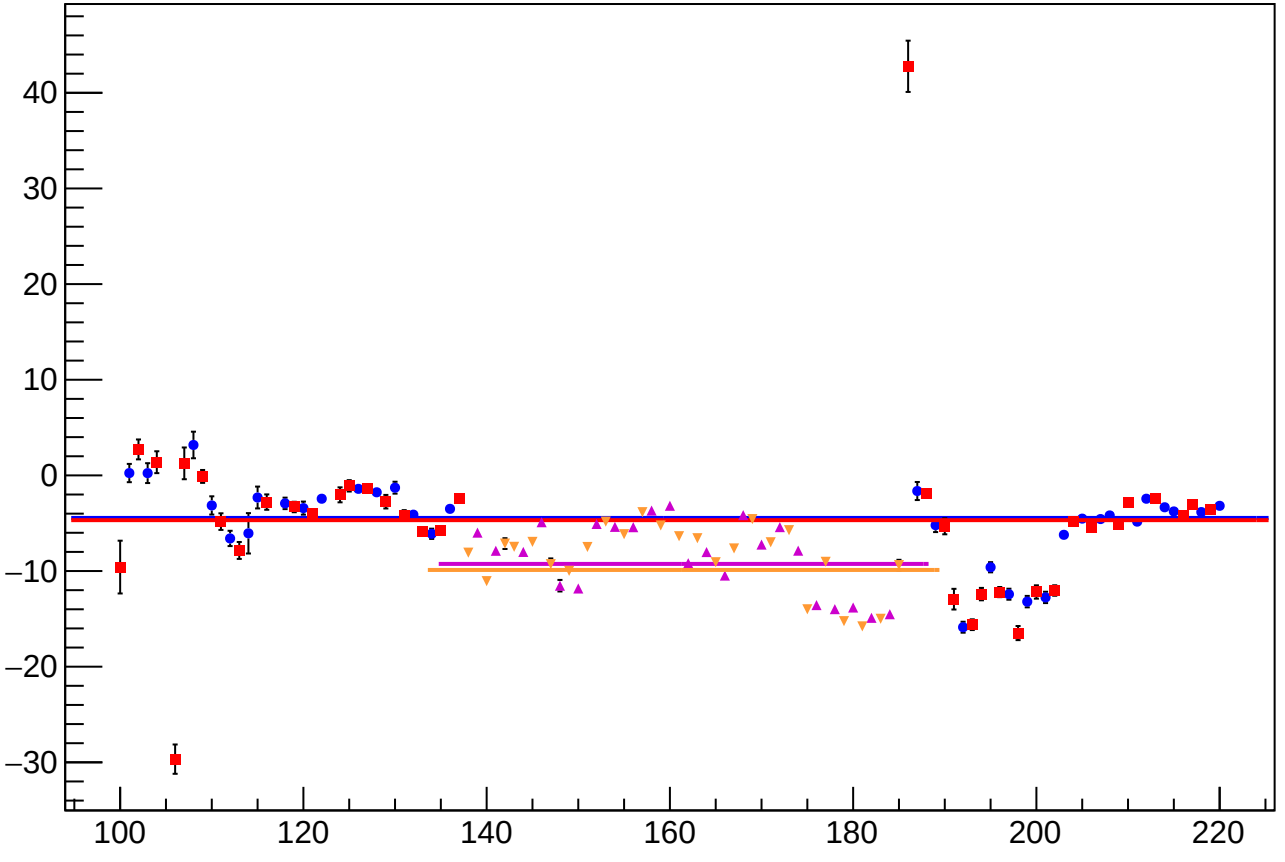
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

\+ sign 0.000+/-0.000 χ^2/NDF: 19492040.5/57

All: 0.000+/-0.000 χ^2/NDF: 39037770.1/117

\- sign 0.000+/-0.000 χ^2/NDF: 19212130.9/59

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -4.448+/-0.077 χ^2/NDF: 1425.3/32

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -4.680+/-0.079 χ^2/NDF: 2446.4/36

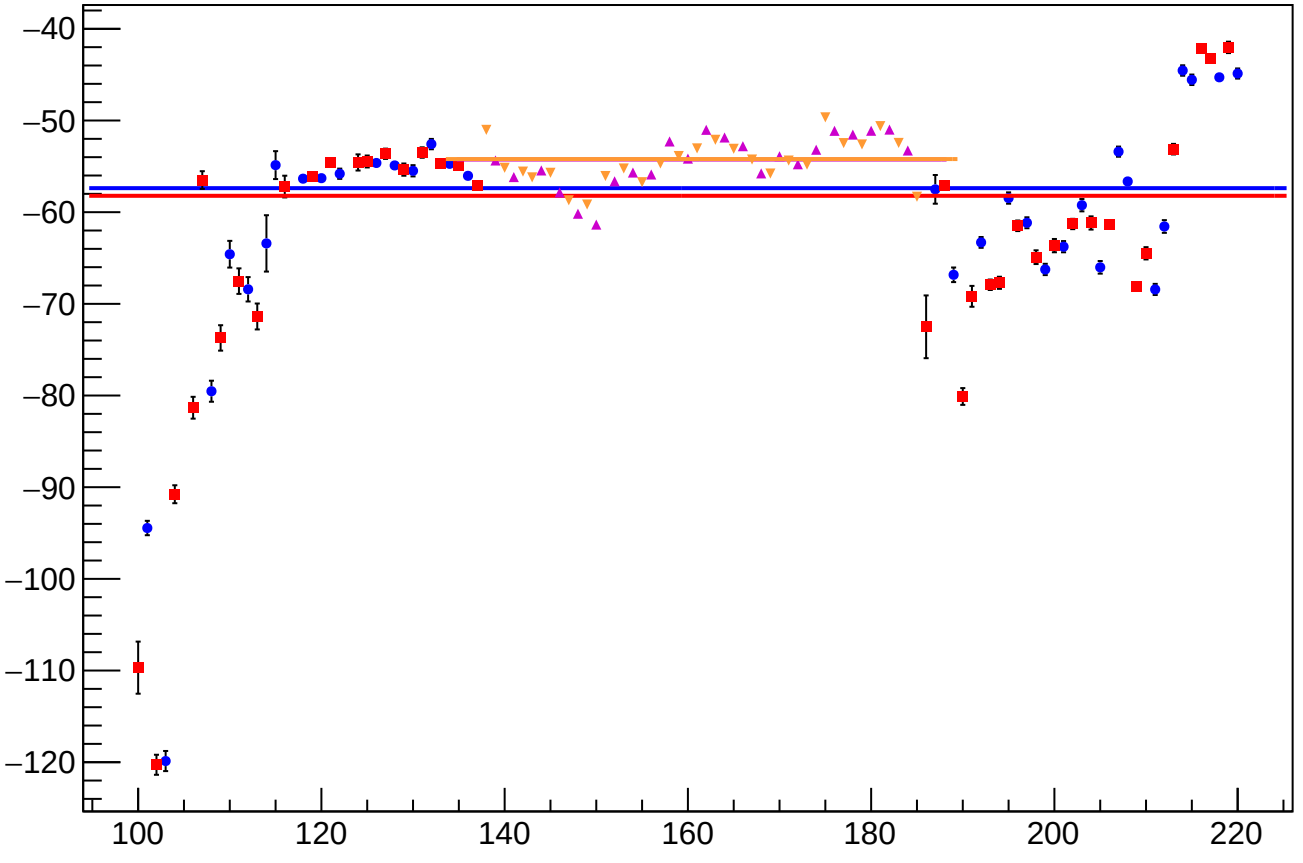
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -7.456+/-0.052 χ^2/NDF: 7365.8/57

All: -7.332+/-0.037 χ^2/NDF: 14724.0/117

- sign -7.200+/-0.053 χ^2/NDF: 7346.3/59

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -57.379+/-0.100 χ^2/NDF: 9518.6/32

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -58.213+/-0.101 χ^2/NDF: 10177.8/36

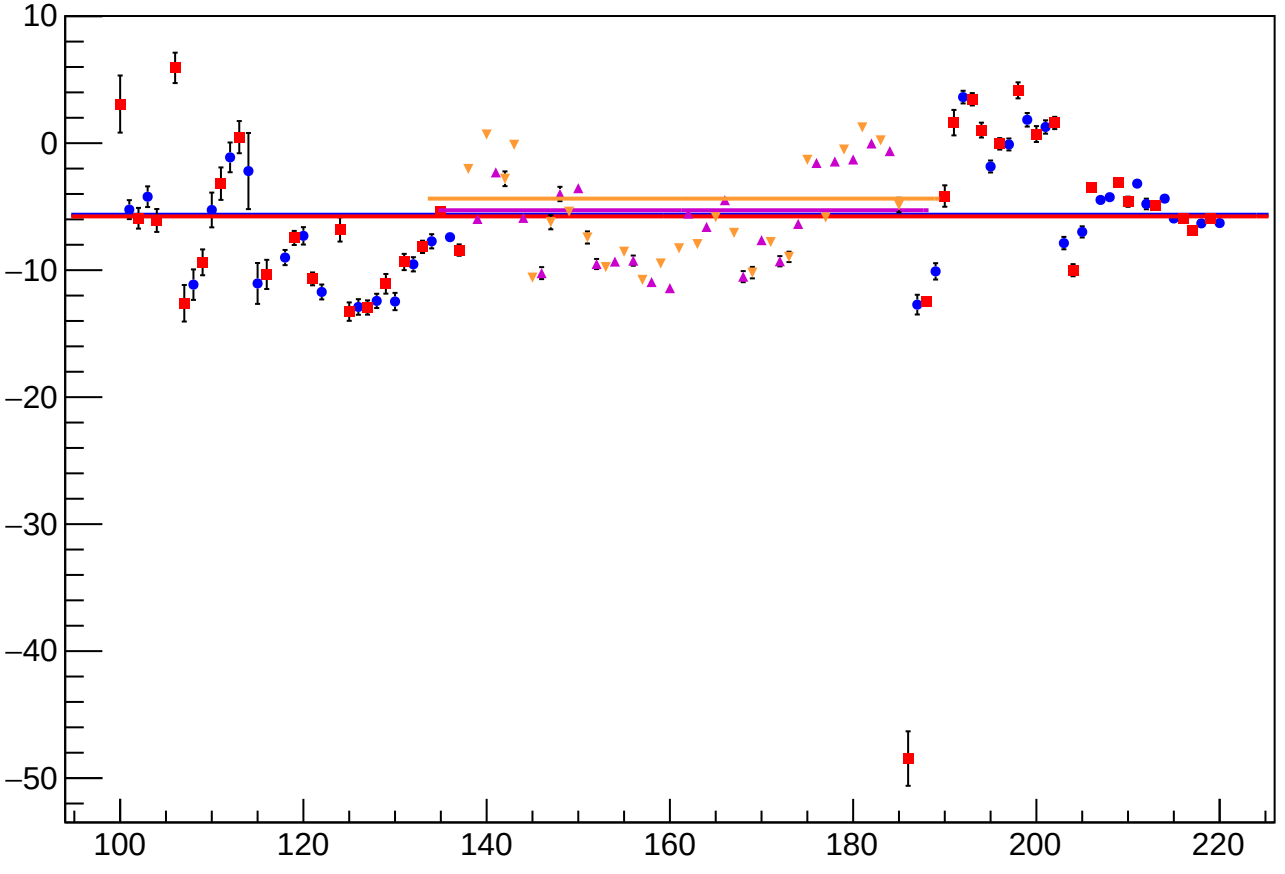
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -54.961+/-0.049 χ^2/NDF: 12144.1/57

All: -55.097+/-0.035 χ^2/NDF: 25976.0/117

- sign -55.244+/-0.051 χ^2/NDF: 13815.6/59

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -5.635+/-0.080 χ^2/NDF: 1903.0/32

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -5.765+/-0.082 χ^2/NDF: 3287.8/36

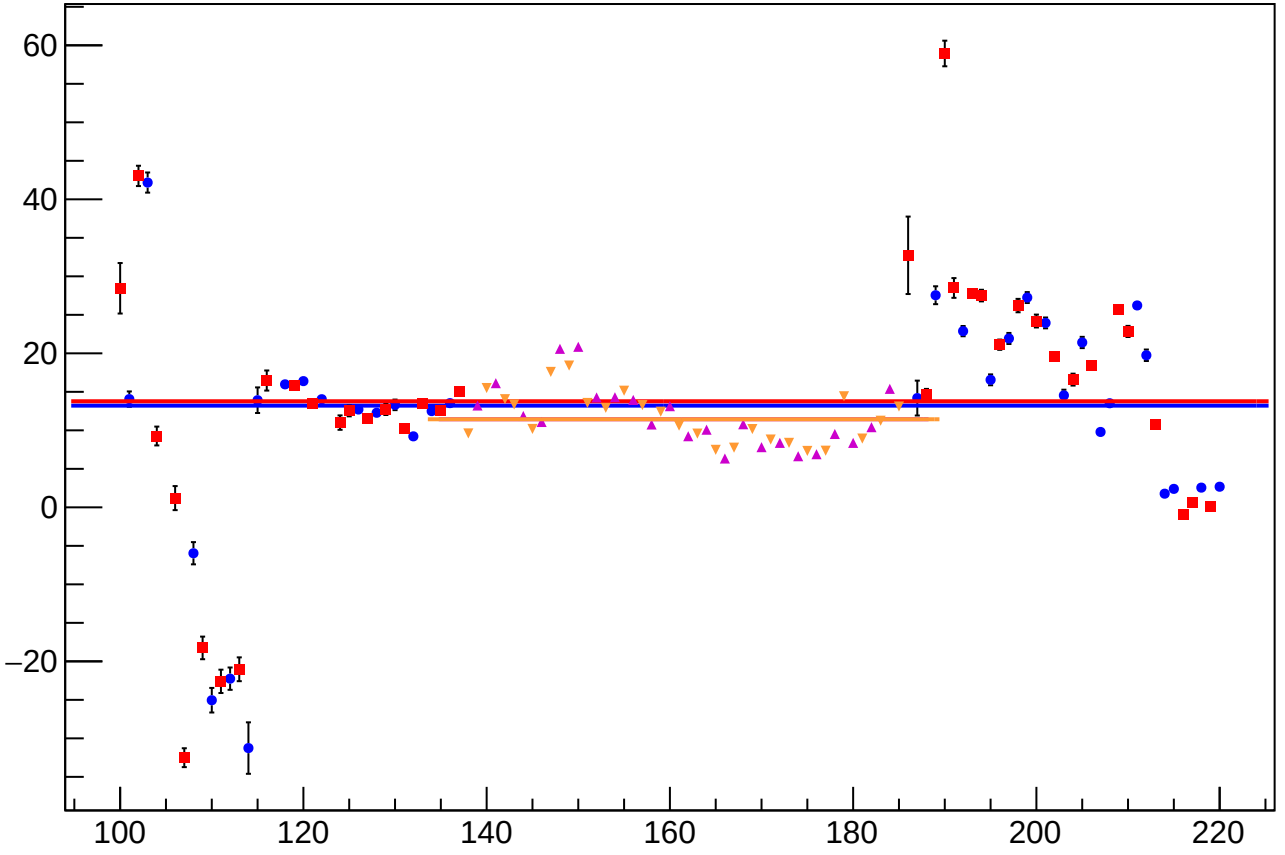
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.909+/-0.052 χ^2/NDF: 5748.2/57

All: -5.194+/-0.037 χ^2/NDF: 11866.3/117

- sign -5.491+/-0.054 χ^2/NDF: 6057.9/59

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 13.209+/-0.110 χ^2/NDF: 5468.2/32

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 13.776+/-0.113 χ^2/NDF: 8384.2/36

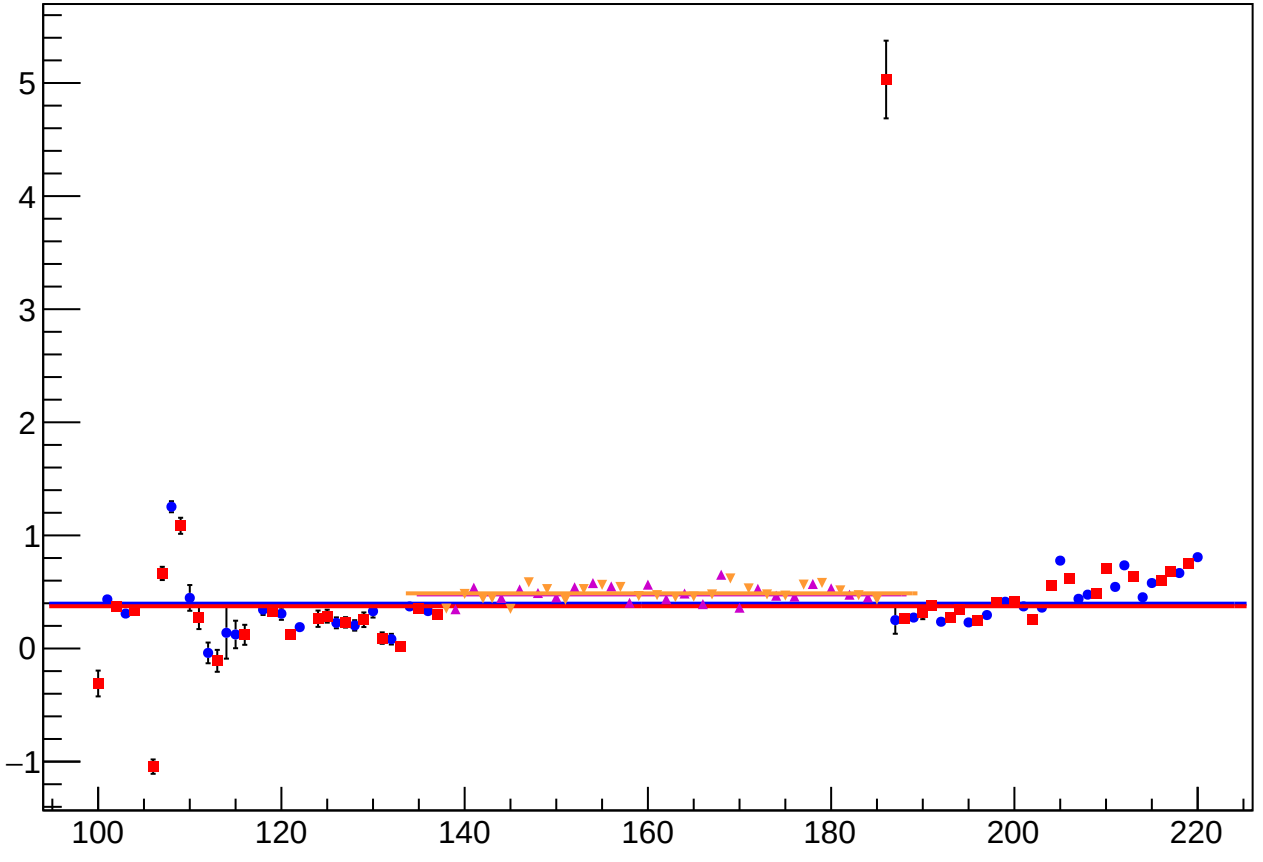
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

+ sign 11.863+/-0.054 χ^2/NDF: 8099.9/57

All: 11.933+/-0.039 χ^2/NDF: 20167.0/117

- sign 12.008+/-0.056 χ^2/NDF: 12063.7/59

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.396+/-0.005 χ^2/NDF: 1177.5/32

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.374+/-0.005 χ^2/NDF: 1785.4/36

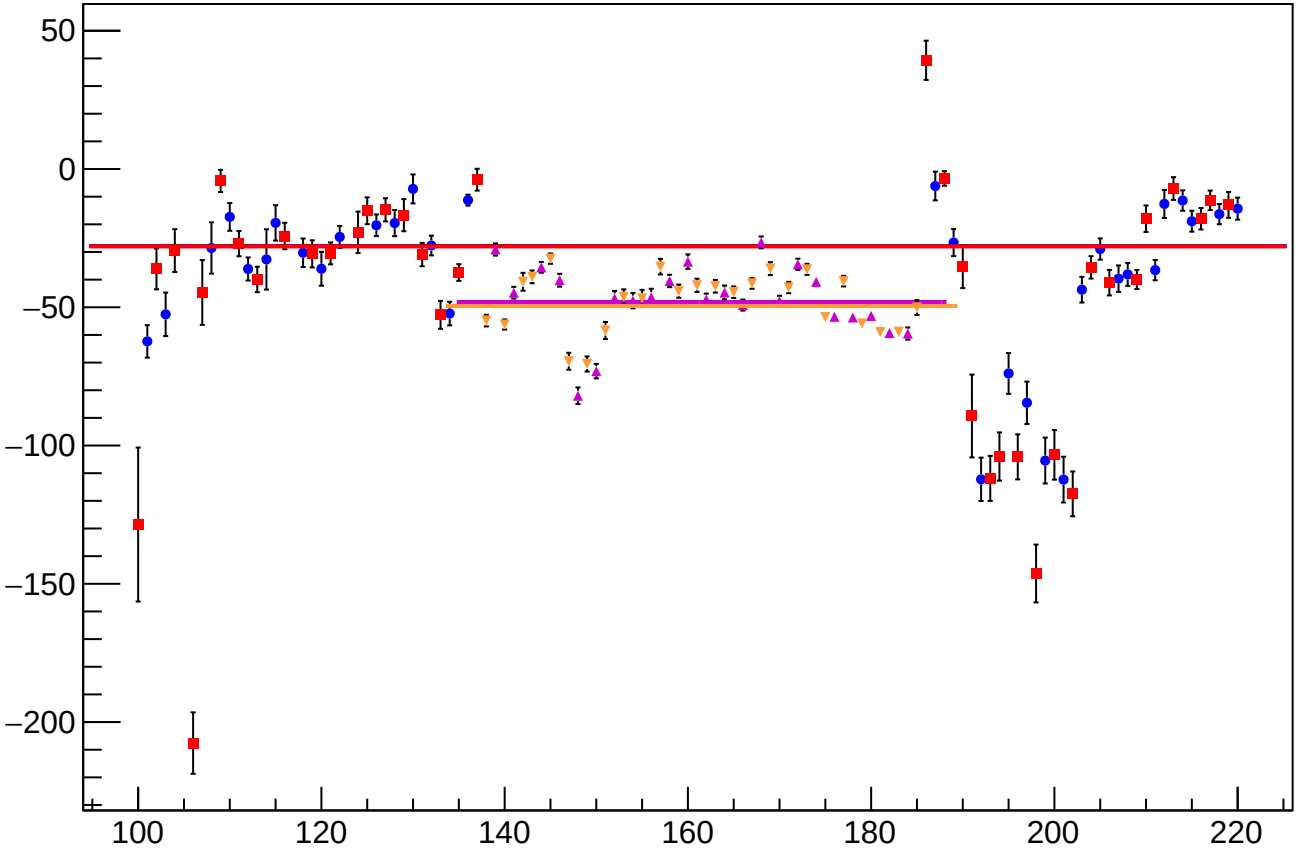
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.467+/-0.002 χ^2/NDF: 1976.5/57

All: 0.461+/-0.002 χ^2/NDF: 4895.7/117

- sign 0.455+/-0.002 χ^2/NDF: 2907.4/59

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -27.867+/-0.787 χ^2/NDF: 686.2/32

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -27.971+/-0.810 χ^2/NDF: 1290.0/36

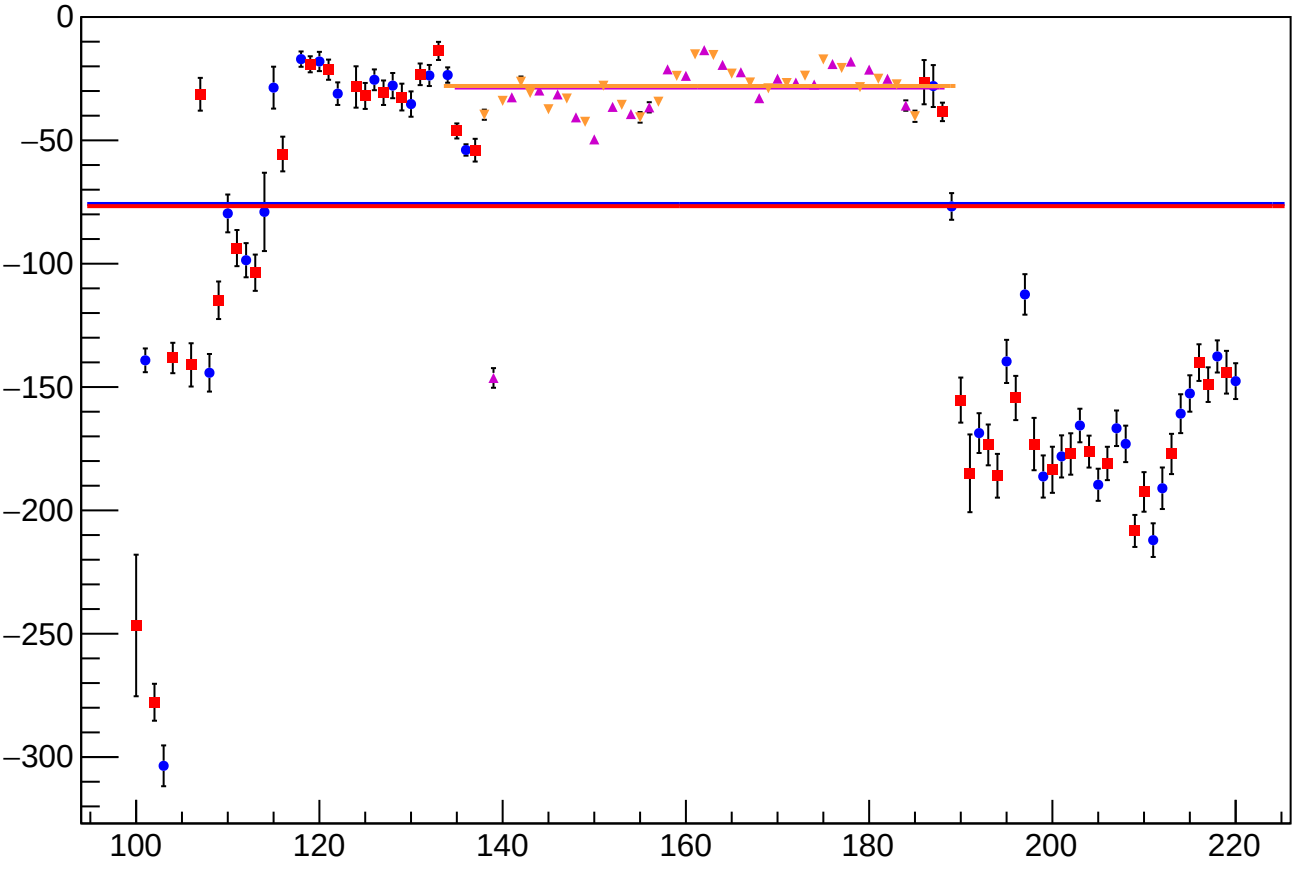
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

\+ sign -45.027+/-0.358 χ^2/NDF: 1862.7/57

All: -44.460+/-0.258 χ^2/NDF: 4350.9/117

\- sign -43.849+/-0.372 χ^2/NDF: 2483.0/59

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -75.789+/-0.937 χ^2/NDF: 4897.0/32

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -76.674+/-0.980 χ^2/NDF: 4792.1/36

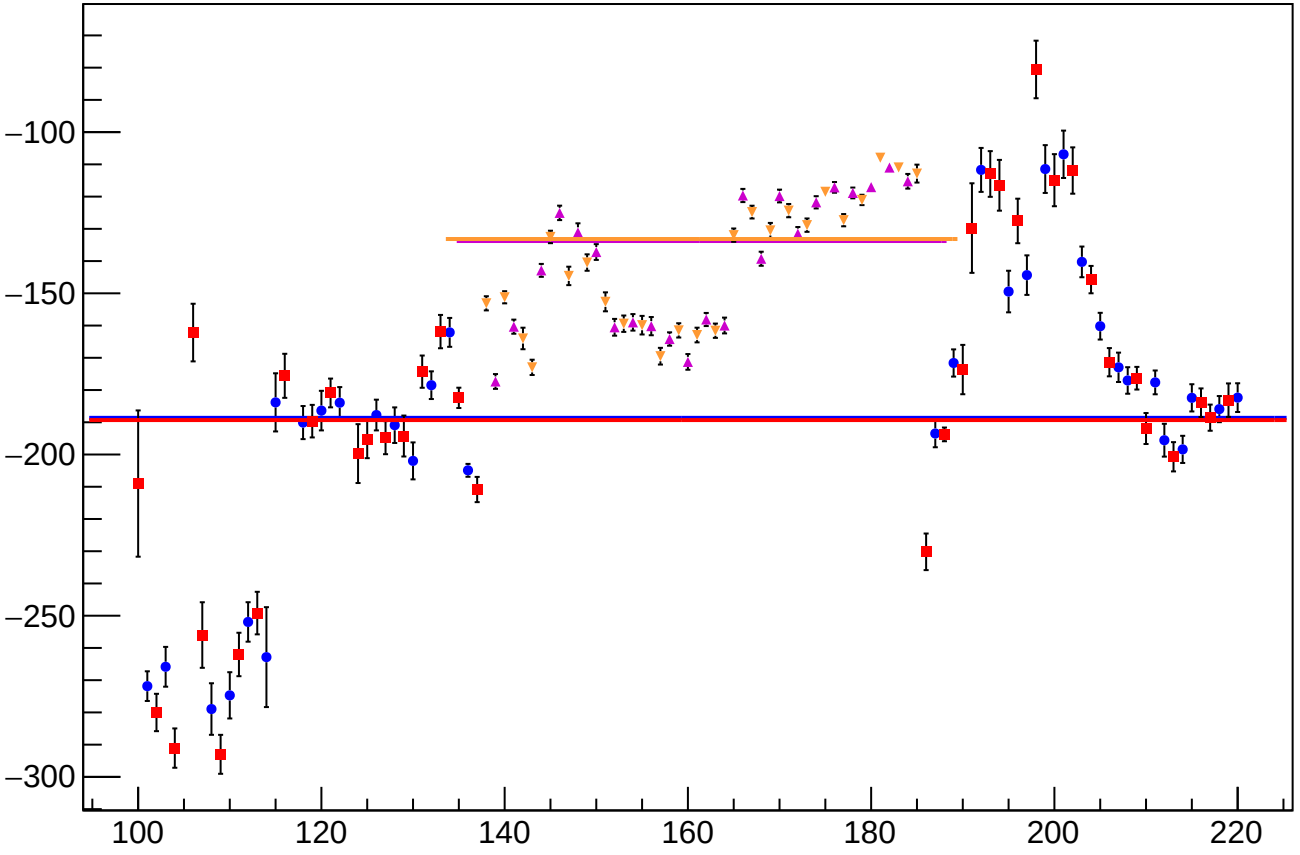
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -32.985+/-0.304 χ^2/NDF: 7727.1/57

All: -33.273+/-0.219 χ^2/NDF: 16158.5/117

\- sign -33.585+/-0.316 χ^2/NDF: 8429.5/59

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -188.627+/-0.821 χ^2/NDF: 1655.4/32

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -189.315+/-0.840 χ^2/NDF: 2008.2/36

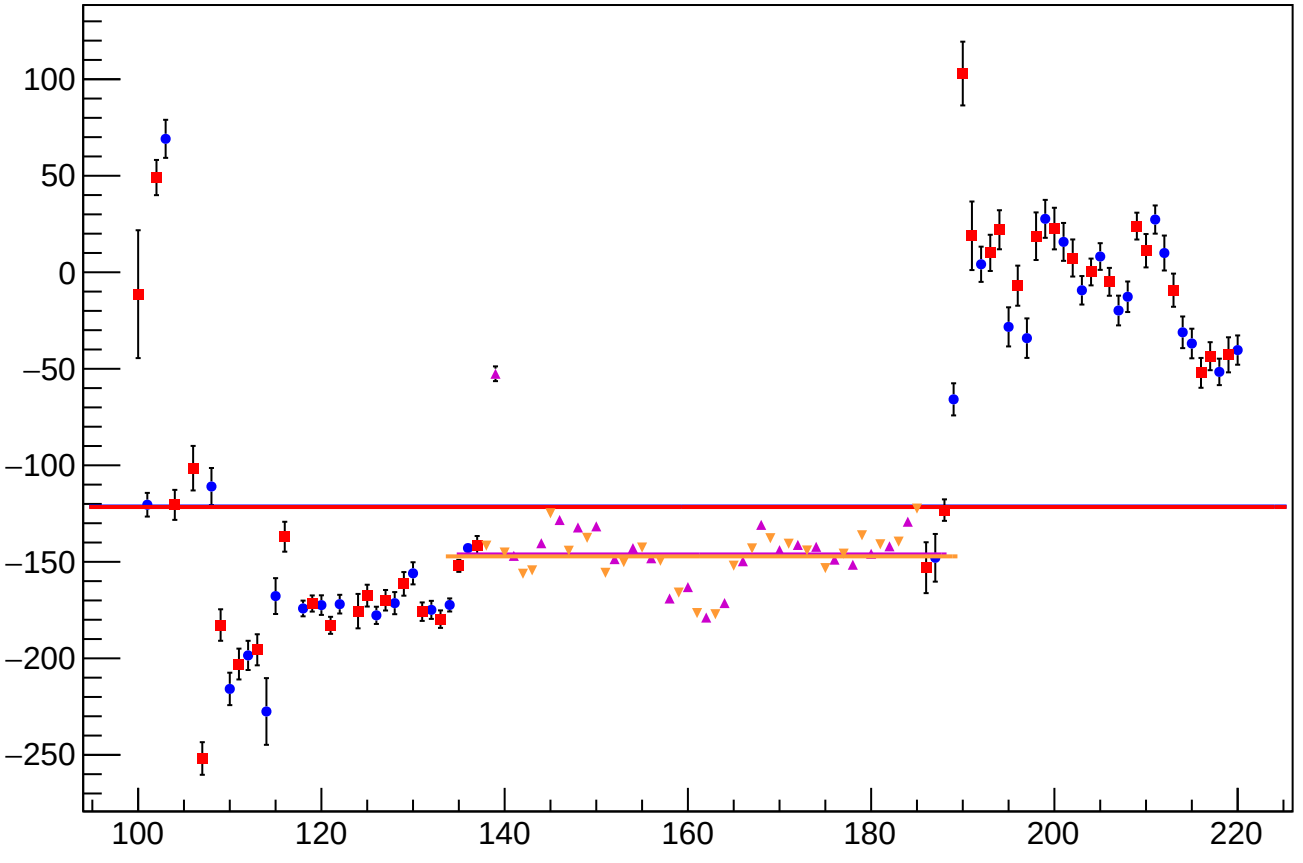
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -143.933+/-0.362 χ^2/NDF: 7868.7/57

All: -144.334+/-0.260 χ^2/NDF: 15828.7/117

- sign -144.762+/-0.373 χ^2/NDF: 7957.5/59

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -121.337+/-1.047 χ^2/NDF: 4611.2/32

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -121.613+/-1.113 χ^2/NDF: 4769.4/36

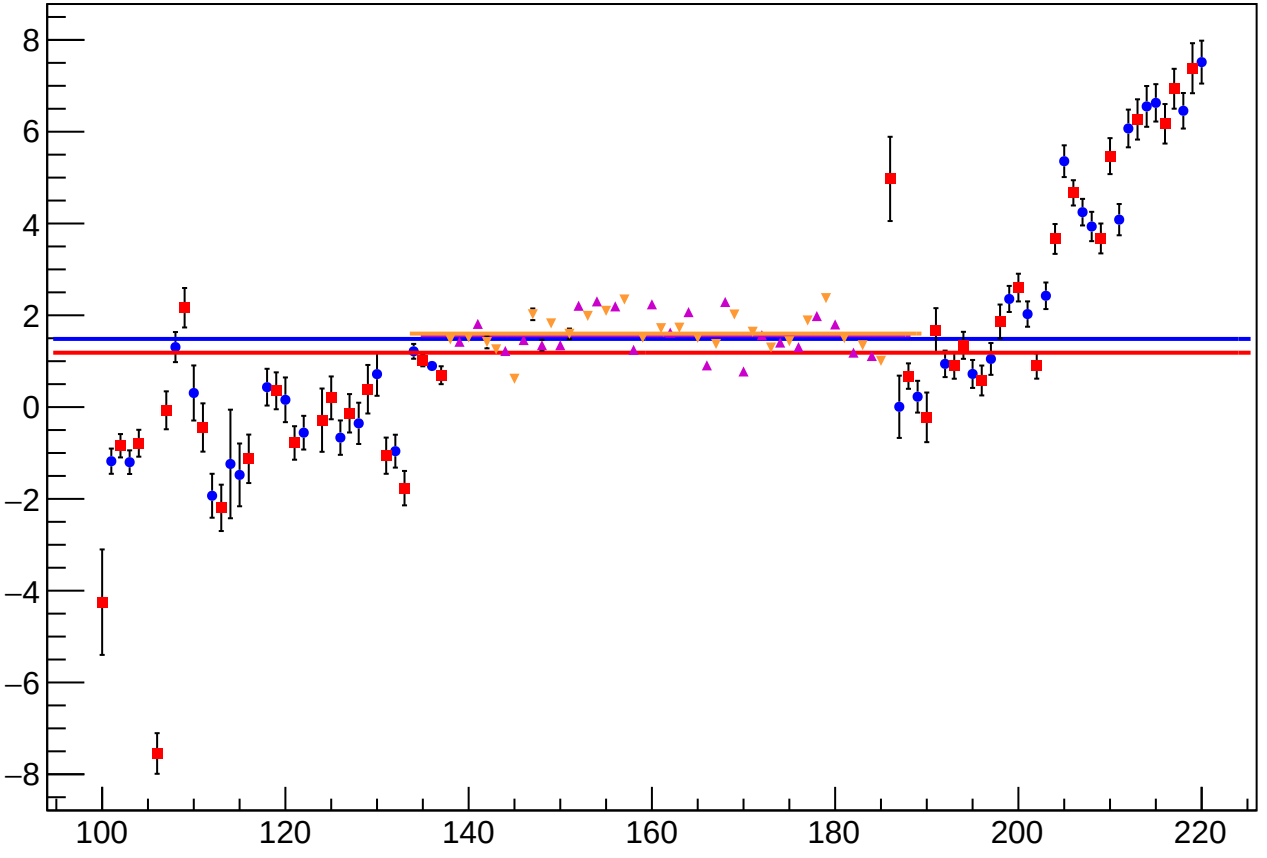
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

\+ sign -144.461+/-0.339 χ^2/NDF: 6401.8/57

All: -144.106+/-0.244 χ^2/NDF: 13405.6/117

\- sign -143.723+/-0.352 χ^2/NDF: 7001.4/59

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.485+/-0.051 χ^2/NDF: 1598.6/32

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 1.185+/-0.055 χ^2/NDF: 1793.7/36

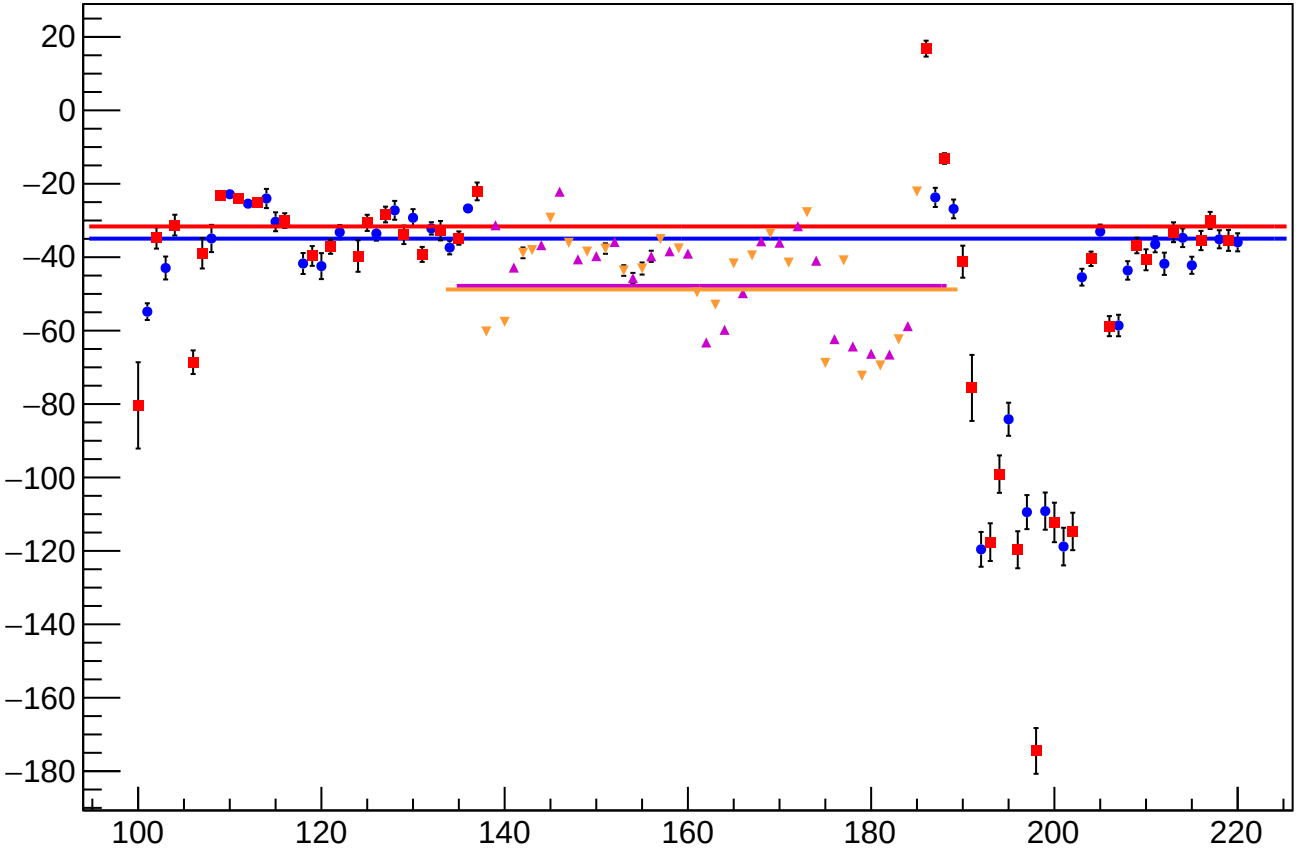
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.591+/-0.015 χ^2/NDF: 2185.1/57

All: 1.564+/-0.011 χ^2/NDF: 4765.2/117

- sign 1.536+/-0.016 χ^2/NDF: 2573.9/59

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -34.940+/-0.383 χ^2/NDF: 1671.7/32

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.622+/-0.372 χ^2/NDF: 2958.1/36

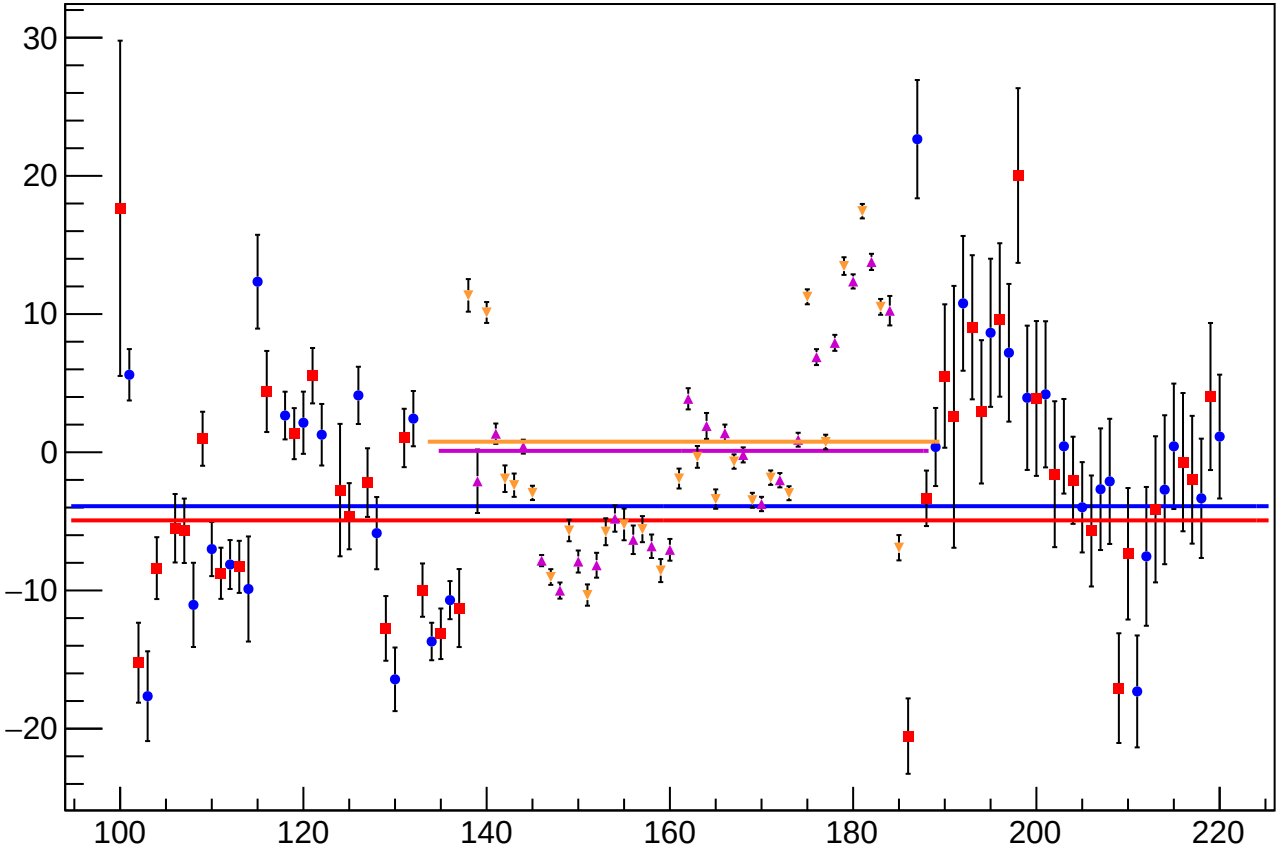
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.577+/-0.153 χ^2/NDF: 11723.6/57

All: -45.808+/-0.109 χ^2/NDF: 23525.8/117

- sign -45.022+/-0.155 χ^2/NDF: 11751.1/59

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.902+/-0.457 χ^2/NDF: 322.3/32

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.929+/-0.461 χ^2/NDF: 224.1/36

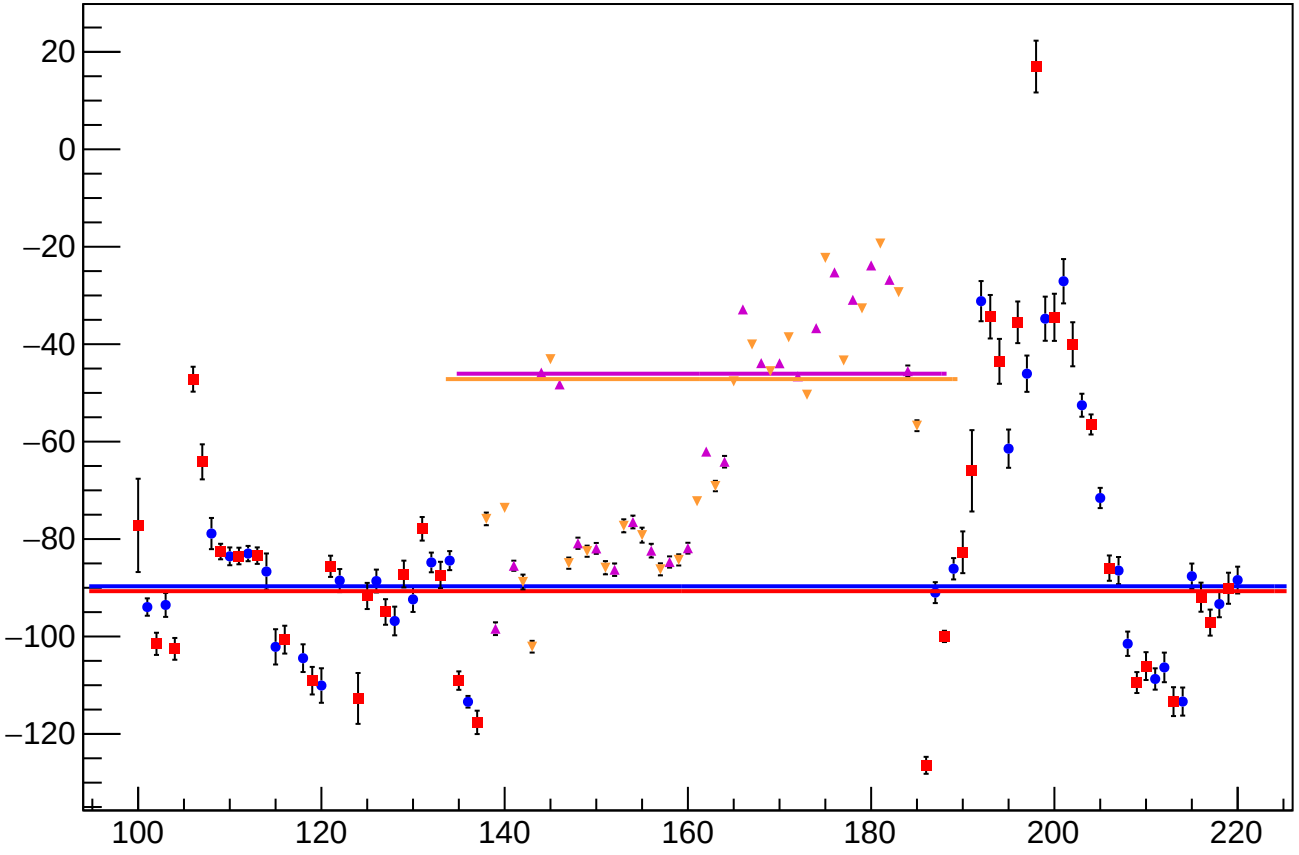
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.405+/-0.127 χ^2/NDF: 3885.7/57

All: 0.062+/-0.090 χ^2/NDF: 6956.2/117

- sign -0.284+/-0.128 χ^2/NDF: 3055.8/59

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -89.692+/-0.417 χ^2/NDF: 1787.9/32

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -90.696+/-0.408 χ^2/NDF: 2839.4/36

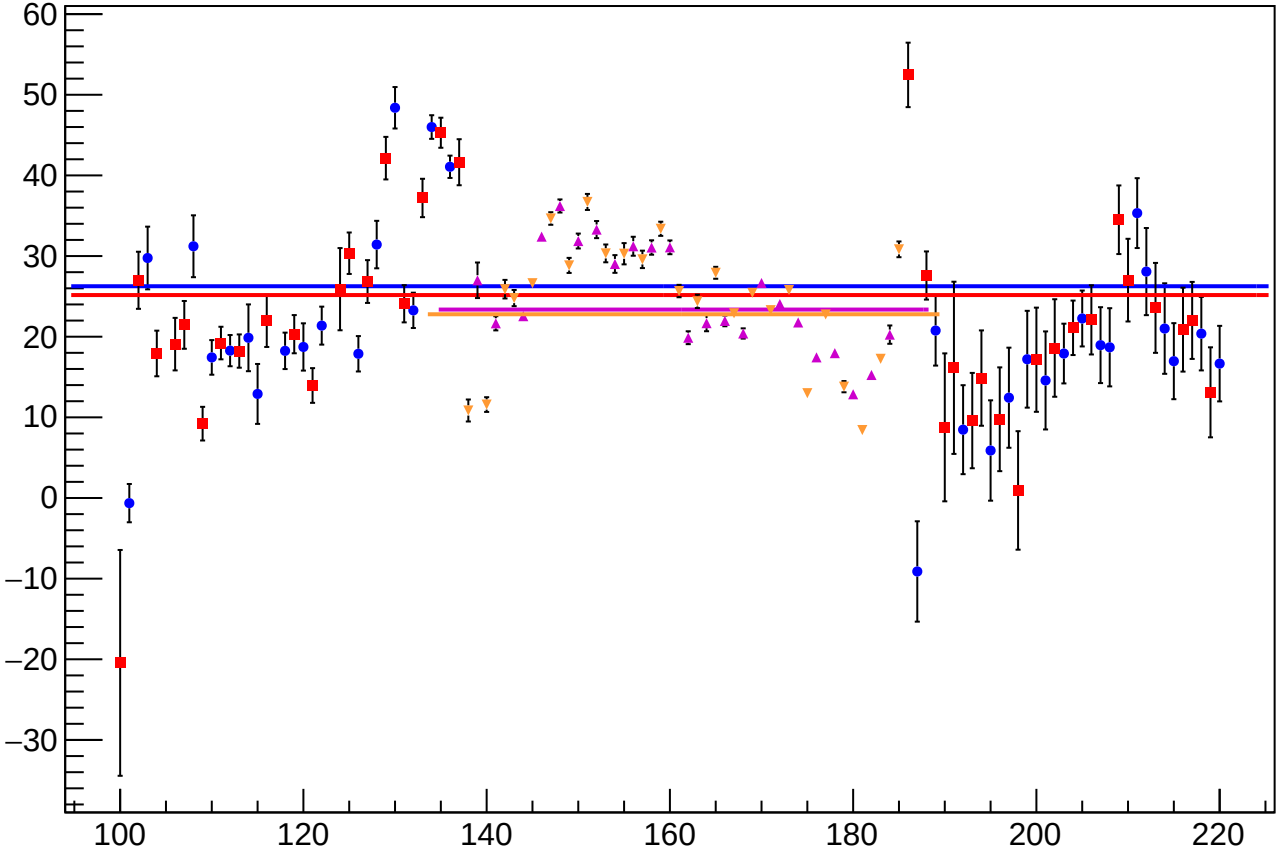
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -53.067+/-0.155 χ^2/NDF: 28384.5/57

All: -52.870+/-0.110 χ^2/NDF: 56187.0/117

- sign -52.668+/-0.157 χ^2/NDF: 27799.3/59

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.257+/-0.512 χ^2/NDF: 685.6/32

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.164+/-0.527 χ^2/NDF: 448.2/36

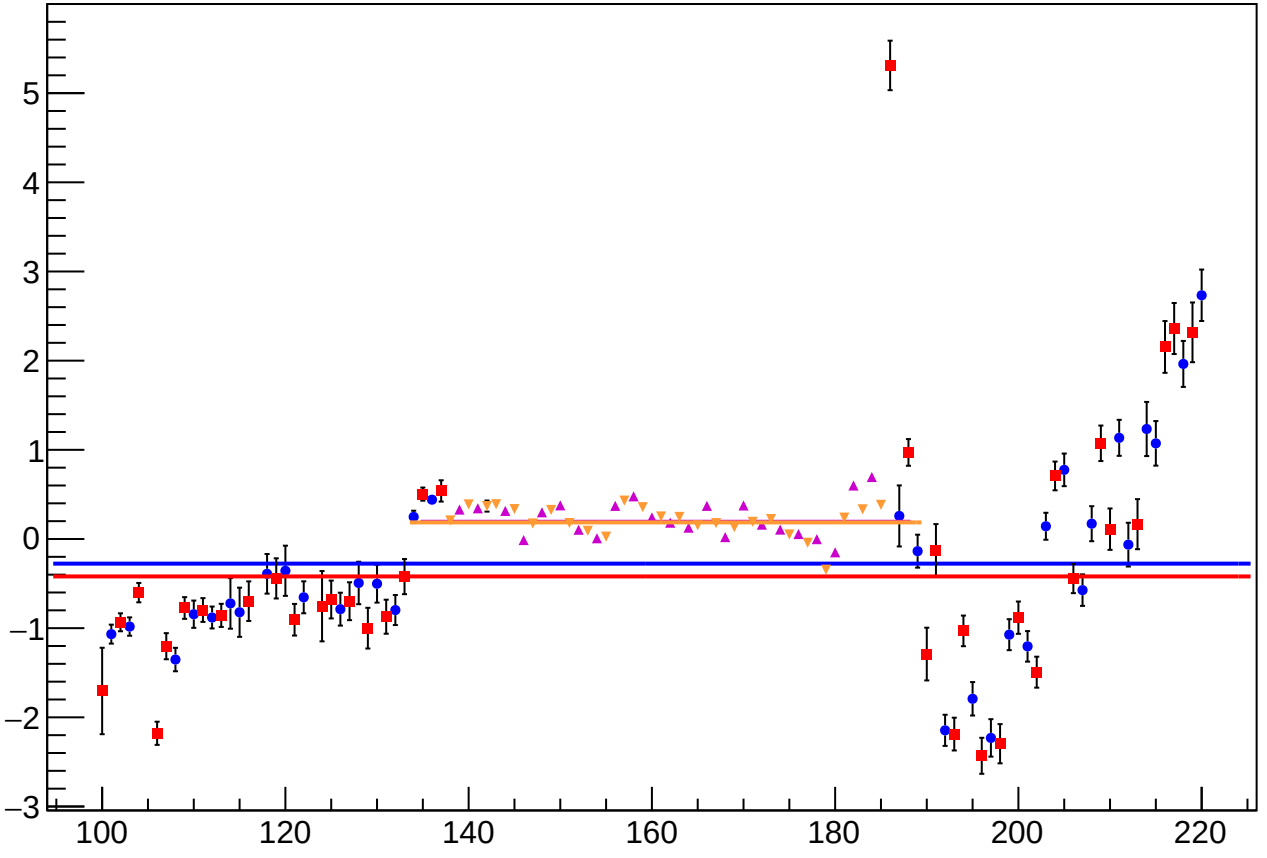
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

\+ sign 23.047+/-0.142 χ^2/NDF: 3141.0/57

All: 23.270+/-0.101 χ^2/NDF: 5390.4/117

\- sign 23.498+/-0.143 χ^2/NDF: 2244.3/59

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.276+/-0.026 χ^2/NDF: 1112.1/32

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.420+/-0.027 χ^2/NDF: 1720.9/36

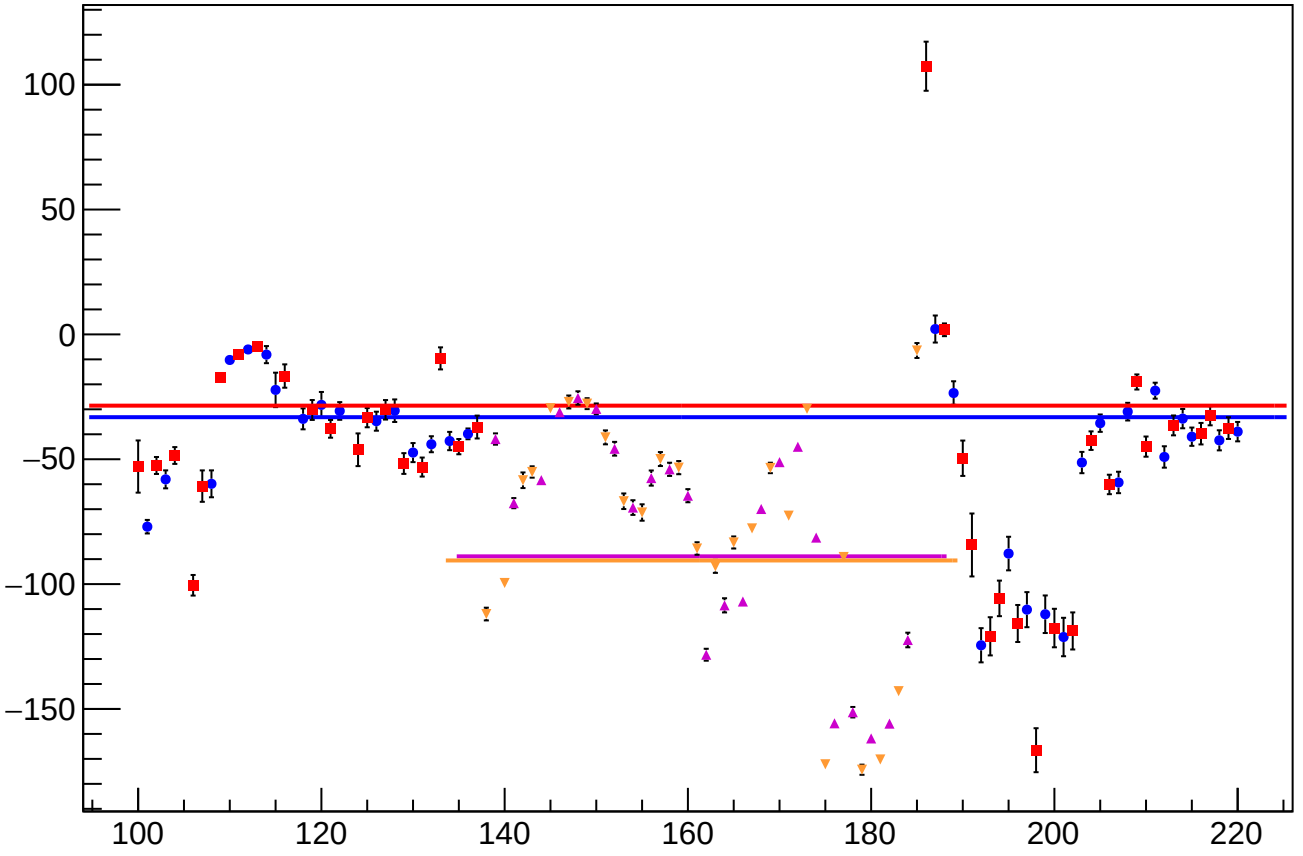
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.158+/-0.006 χ^2/NDF: 2055.6/57

All: 0.158+/-0.005 χ^2/NDF: 5191.7/117

- sign 0.159+/-0.006 χ^2/NDF: 3136.1/59

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -33.155+/-0.602 χ^2/NDF: 1690.4/32

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -28.536+/-0.567 χ^2/NDF: 2439.3/36

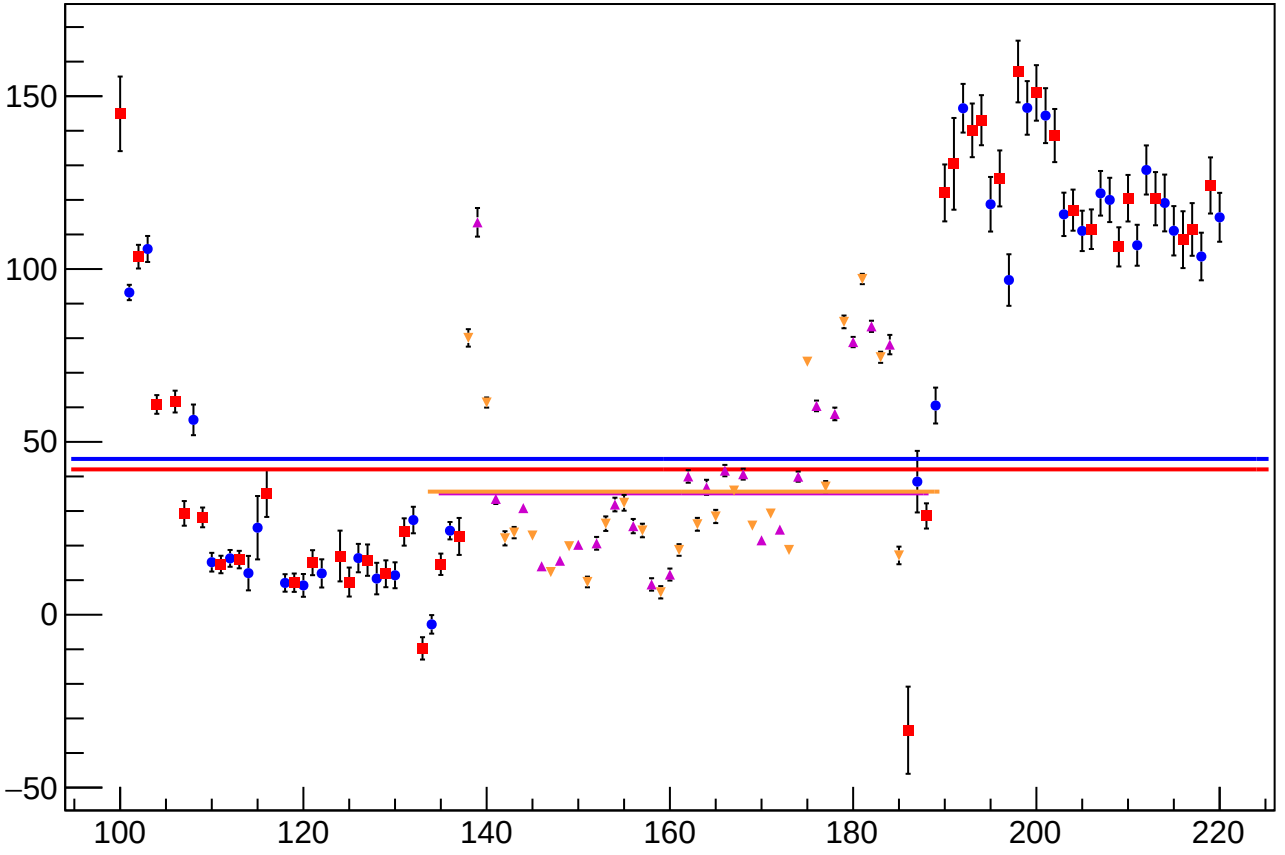
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

+ sign -71.669+/-0.345 χ^2/NDF: 23147.8/57

All: -69.099+/-0.244 χ^2/NDF: 44659.1/117

- sign -66.535+/-0.345 χ^2/NDF: 21400.6/59

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 45.071+/-0.726 χ^2/NDF: 3830.4/32

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 42.042+/-0.716 χ^2/NDF: 3591.1/36

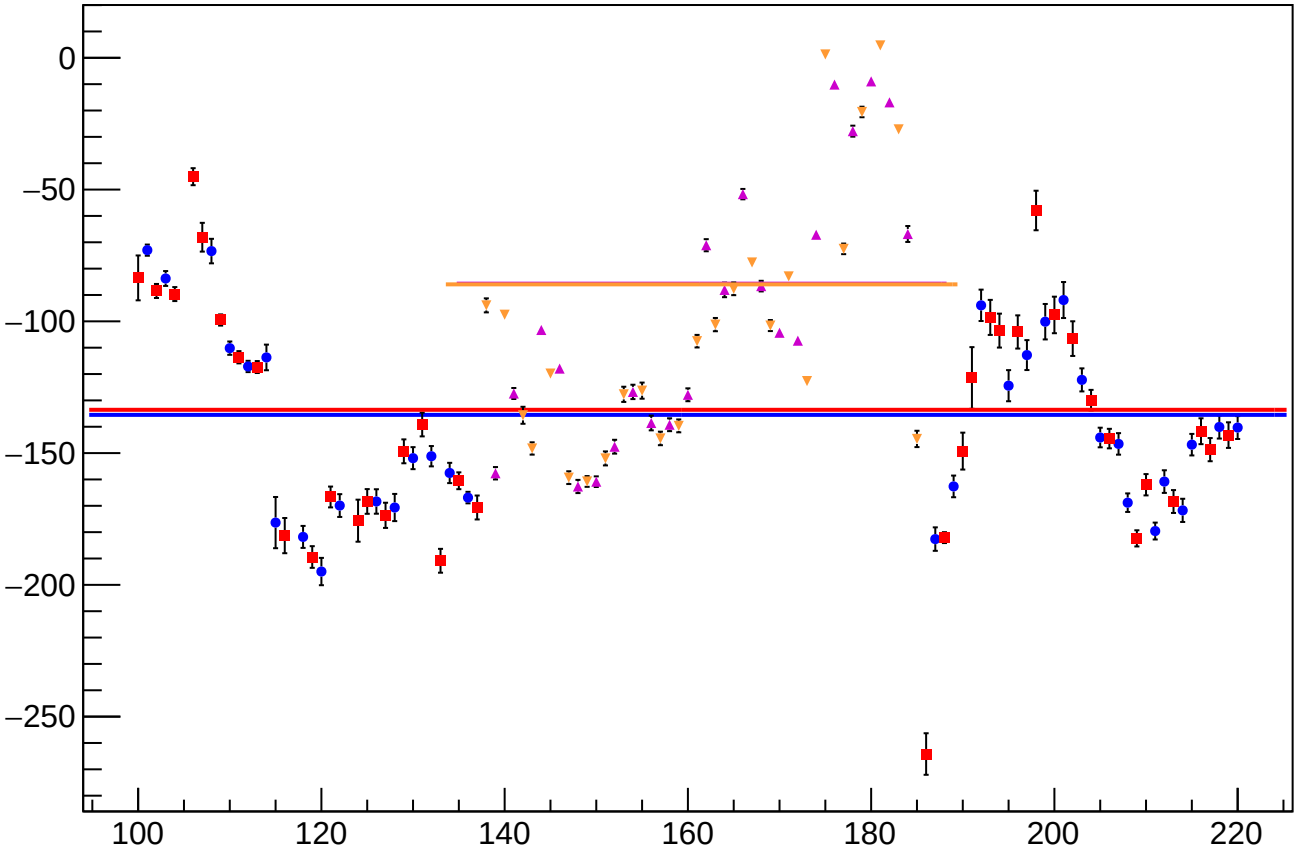
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 37.198+/-0.297 χ^2/NDF: 9944.8/57

All: 36.791+/-0.213 χ^2/NDF: 17760.8/117

- sign 36.363+/-0.304 χ^2/NDF: 7812.2/59

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -135.490+/-0.655 χ^2/NDF: 2984.0/32

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -133.569+/-0.635 χ^2/NDF: 4088.1/36

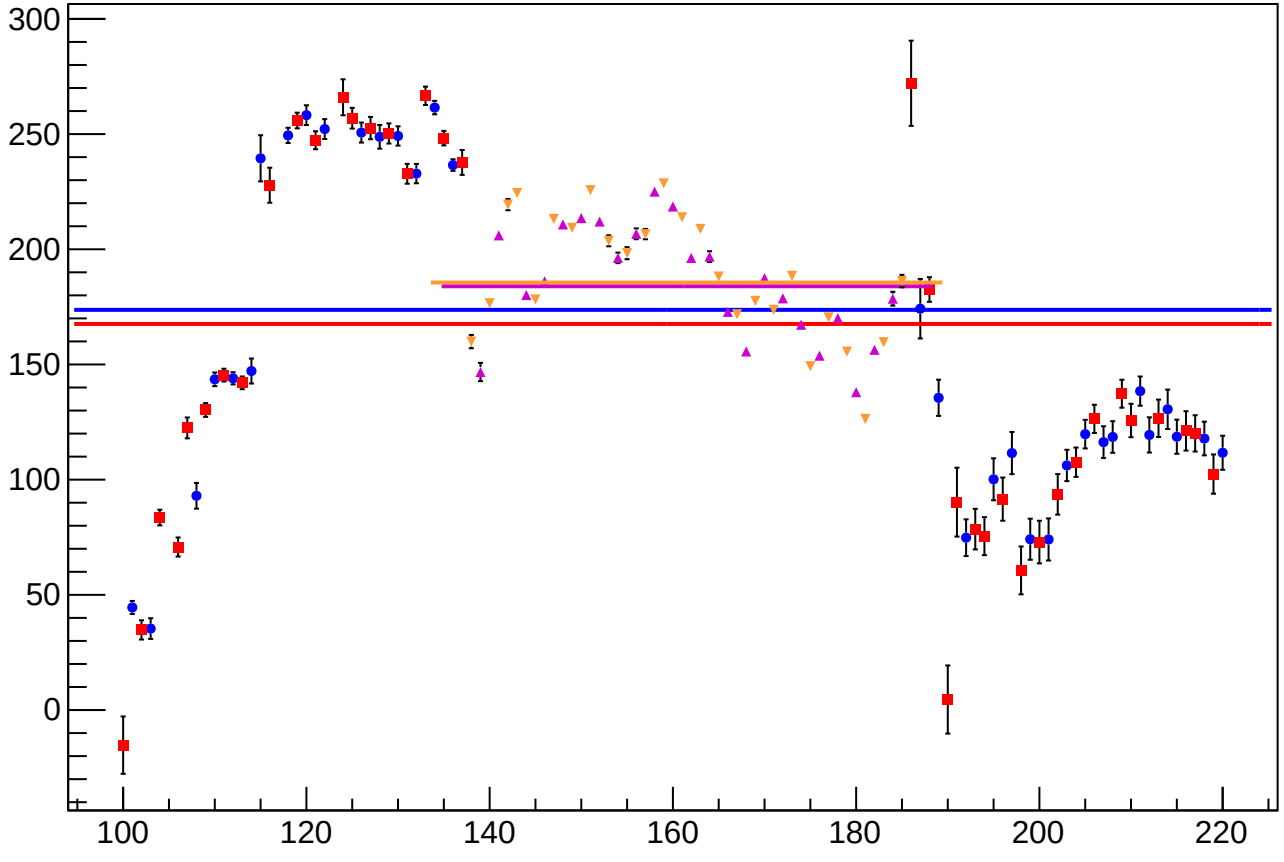
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -100.424+/-0.354 χ^2/NDF: 23258.9/57

All: -100.644+/-0.252 χ^2/NDF: 44986.6/117

- sign -100.867+/-0.357 χ^2/NDF: 21727.0/59

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 173.718+/-0.824 χ^2/NDF: 8496.5/32

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 167.590+/-0.820 χ^2/NDF: 7930.1/36

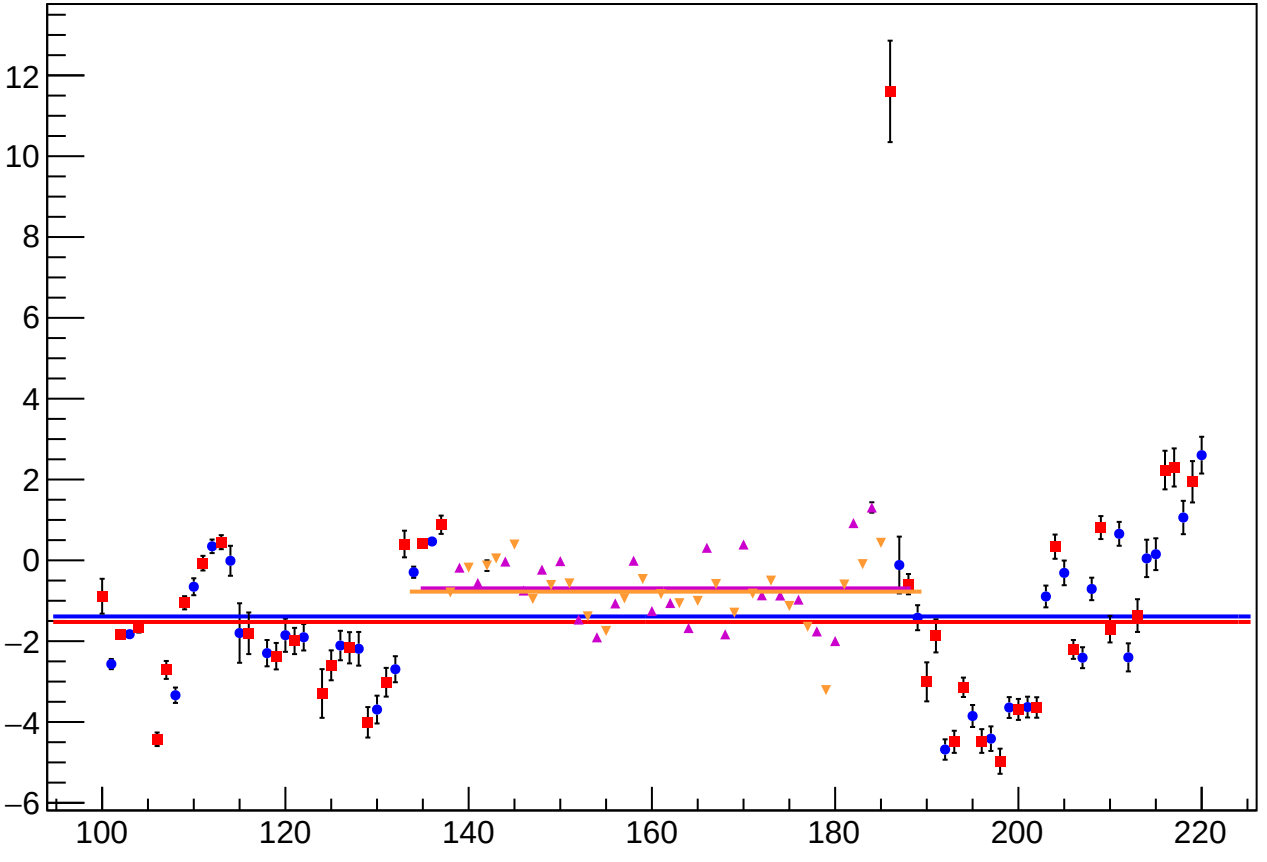
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 183.620+/-0.335 χ^2/NDF: 14024.3/57

All: 182.378+/-0.240 χ^2/NDF: 26184.3/117

- sign 181.076+/-0.343 χ^2/NDF: 12131.9/59

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.388+/-0.040 χ^2/NDF: 1551.4/32

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.525+/-0.040 χ^2/NDF: 1970.5/36

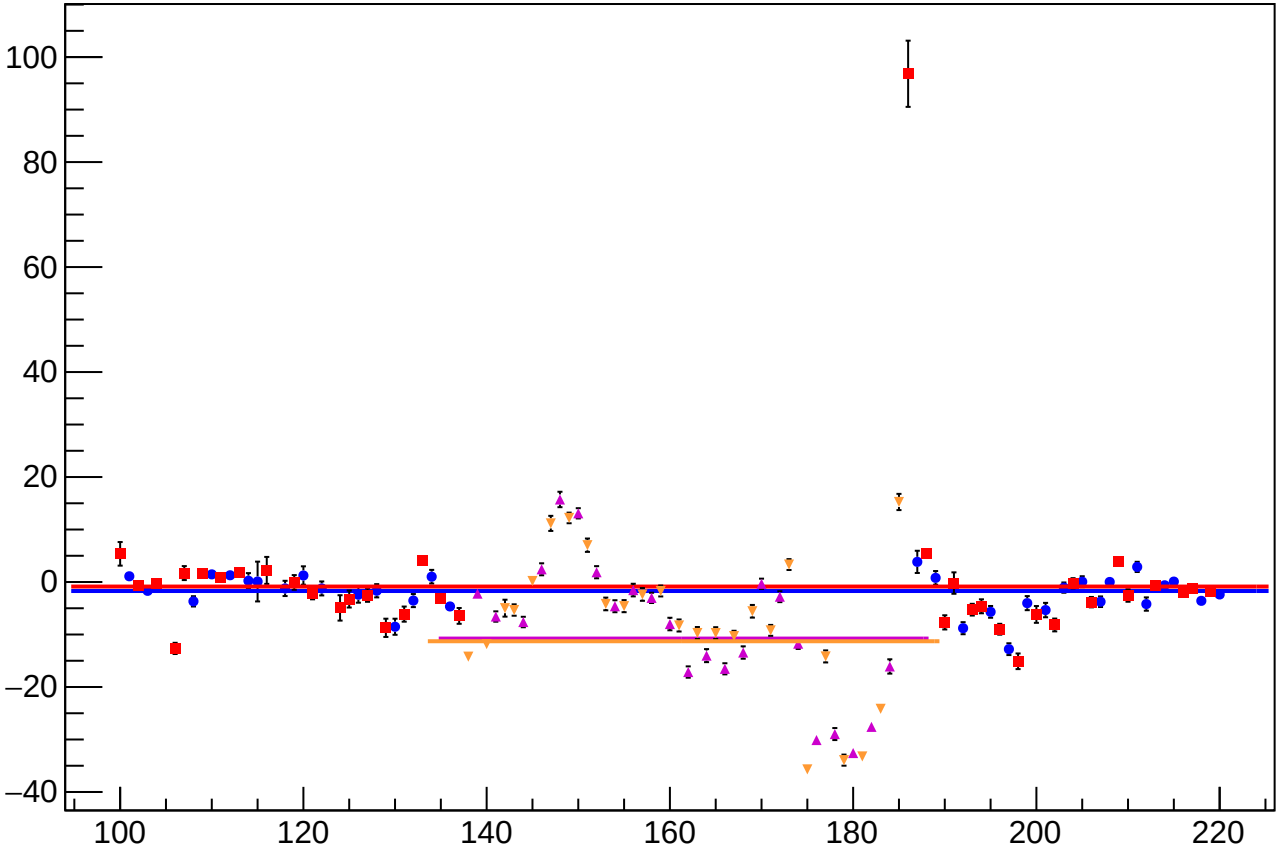
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.861+/-0.015 χ^2/NDF: 3572.1/57

All: -0.840+/-0.011 χ^2/NDF: 8478.6/117

- sign -0.818+/-0.015 χ^2/NDF: 4902.5/59

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.715+/-0.179 χ^2/NDF: 330.1/32

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.865+/-0.165 χ^2/NDF: 932.3/36

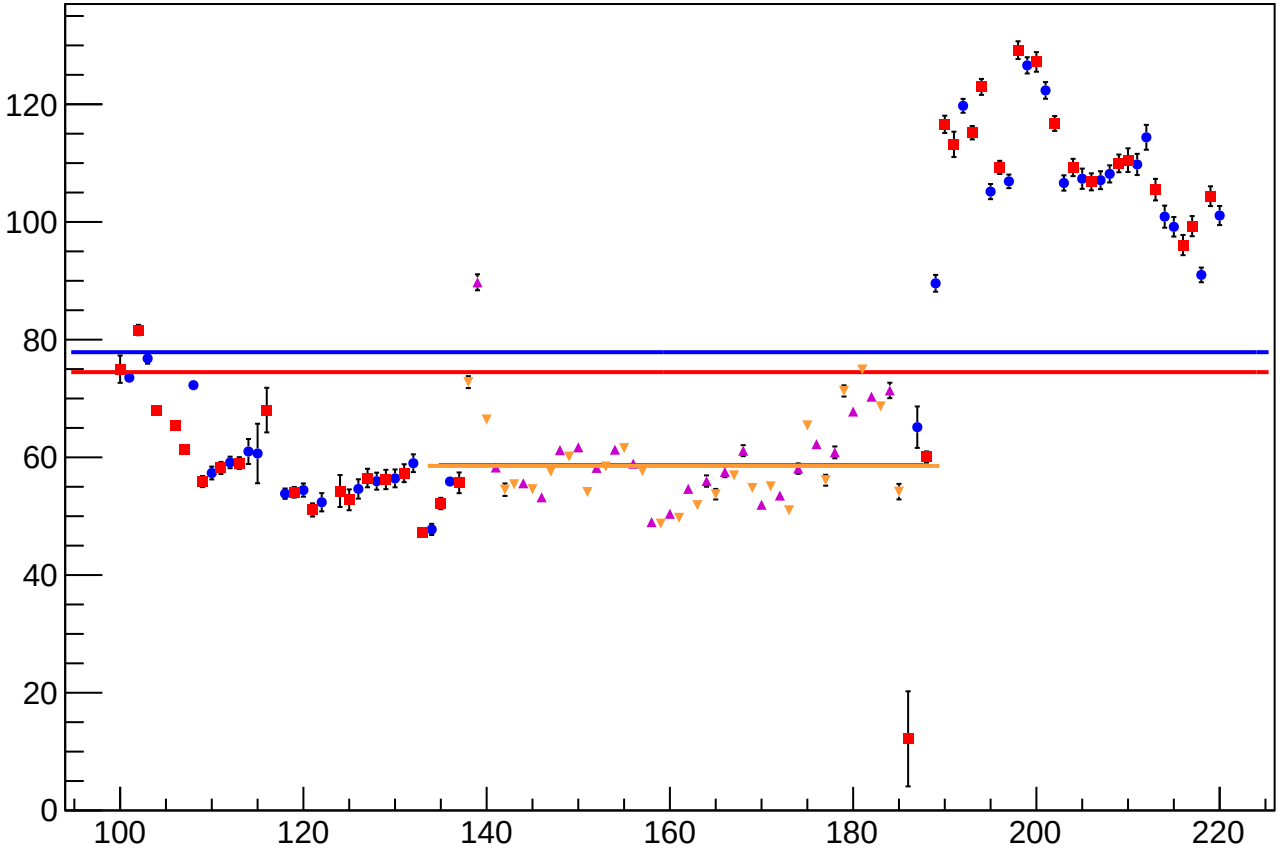
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -5.775+/-0.135 χ^2/NDF: 6049.0/57

All: -5.158+/-0.094 χ^2/NDF: 12068.9/117

- sign -4.583+/-0.131 χ^2/NDF: 5979.8/59

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 77.870+/-0.214 χ^2/NDF: 12310.3/32

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 74.481+/-0.199 χ^2/NDF: 16649.8/36

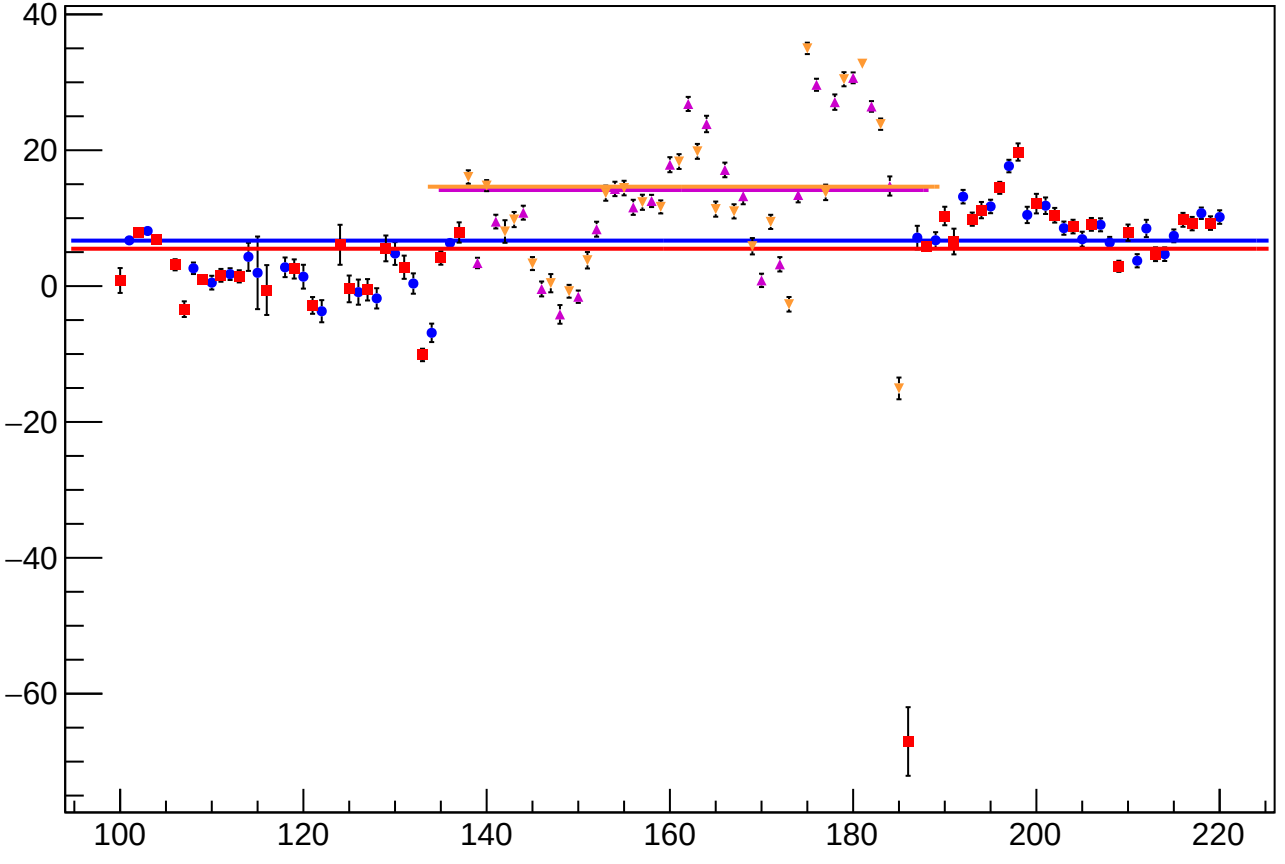
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 65.554+/-0.129 χ^2/NDF: 19422.8/57

All: 65.407+/-0.091 χ^2/NDF: 41356.6/117

- sign 65.259+/-0.129 χ^2/NDF: 21931.1/59

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.697+/-0.181 χ^2/NDF: 621.7/32

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.500+/-0.170 χ^2/NDF: 1162.8/36

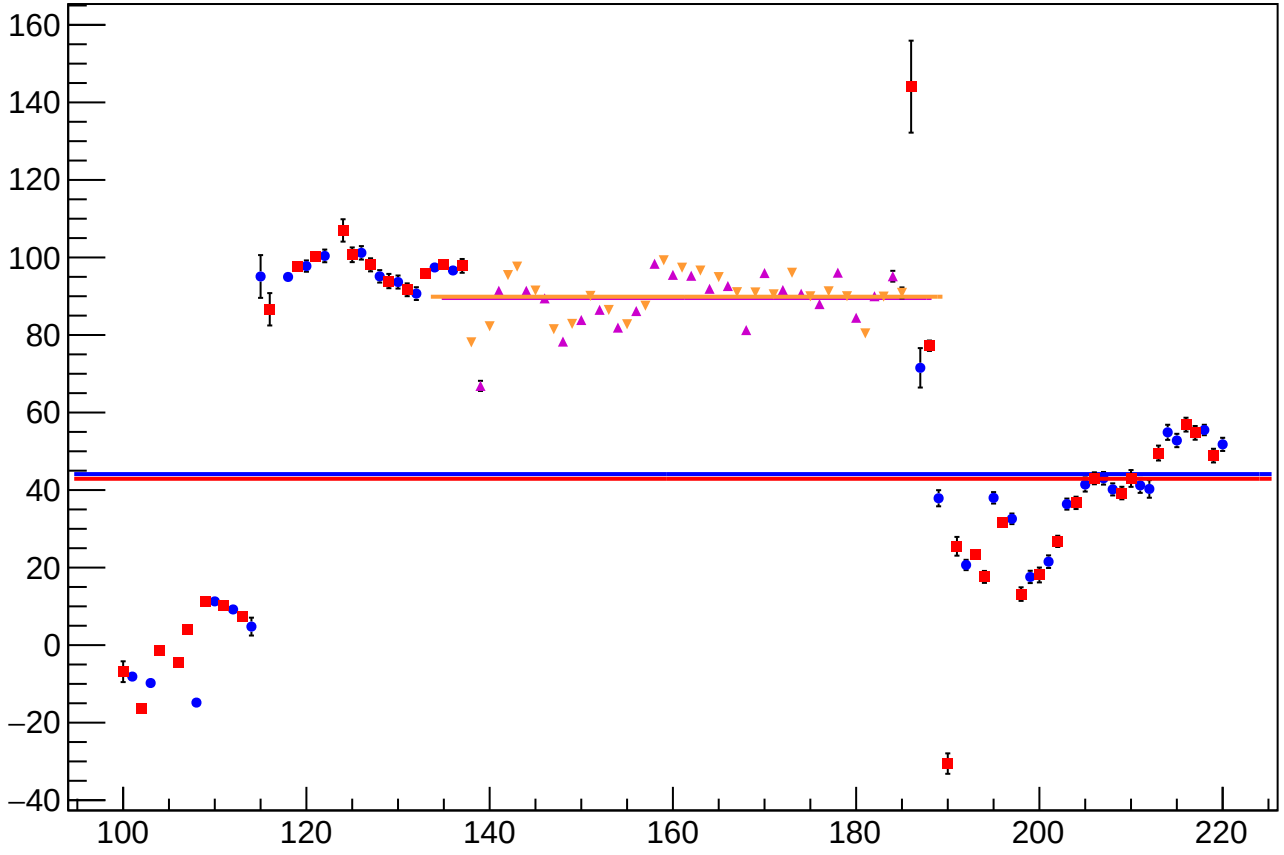
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.153+/-0.136 χ^2/NDF: 4416.3/57

All: 9.509+/-0.095 χ^2/NDF: 9179.7/117

- sign 8.901+/-0.133 χ^2/NDF: 4720.1/59

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 44.120+/-0.245 χ^2/NDF: 28100.0/32

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.911+/-0.232 χ^2/NDF: 31878.4/36

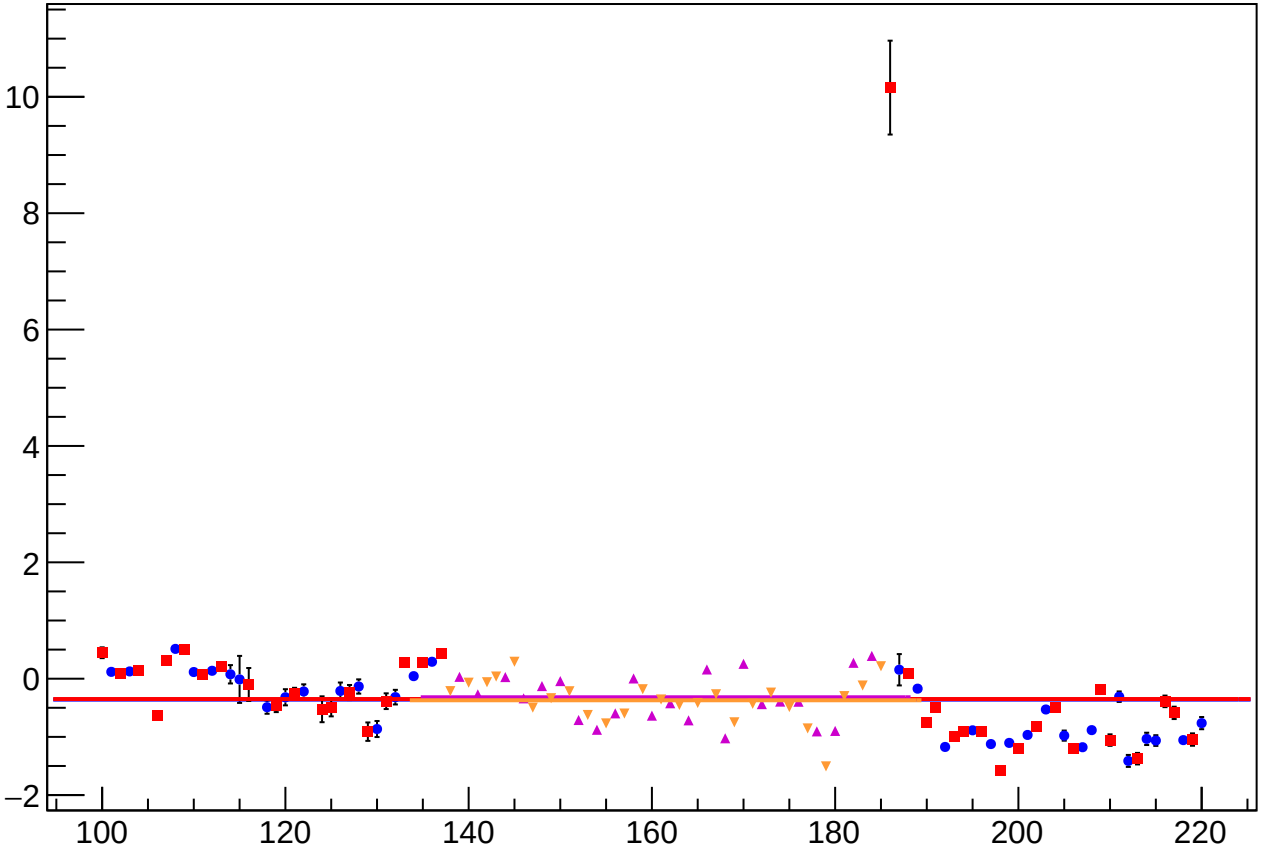
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 73.712+/-0.146 χ^2/NDF: 51733.4/57

All: 72.419+/-0.103 χ^2/NDF: 109288.9/117

- sign 71.121+/-0.146 χ^2/NDF: 57397.4/59

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.359+/-0.010 χ^2/NDF: 3579.3/32

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.350+/-0.010 χ^2/NDF: 3901.2/36

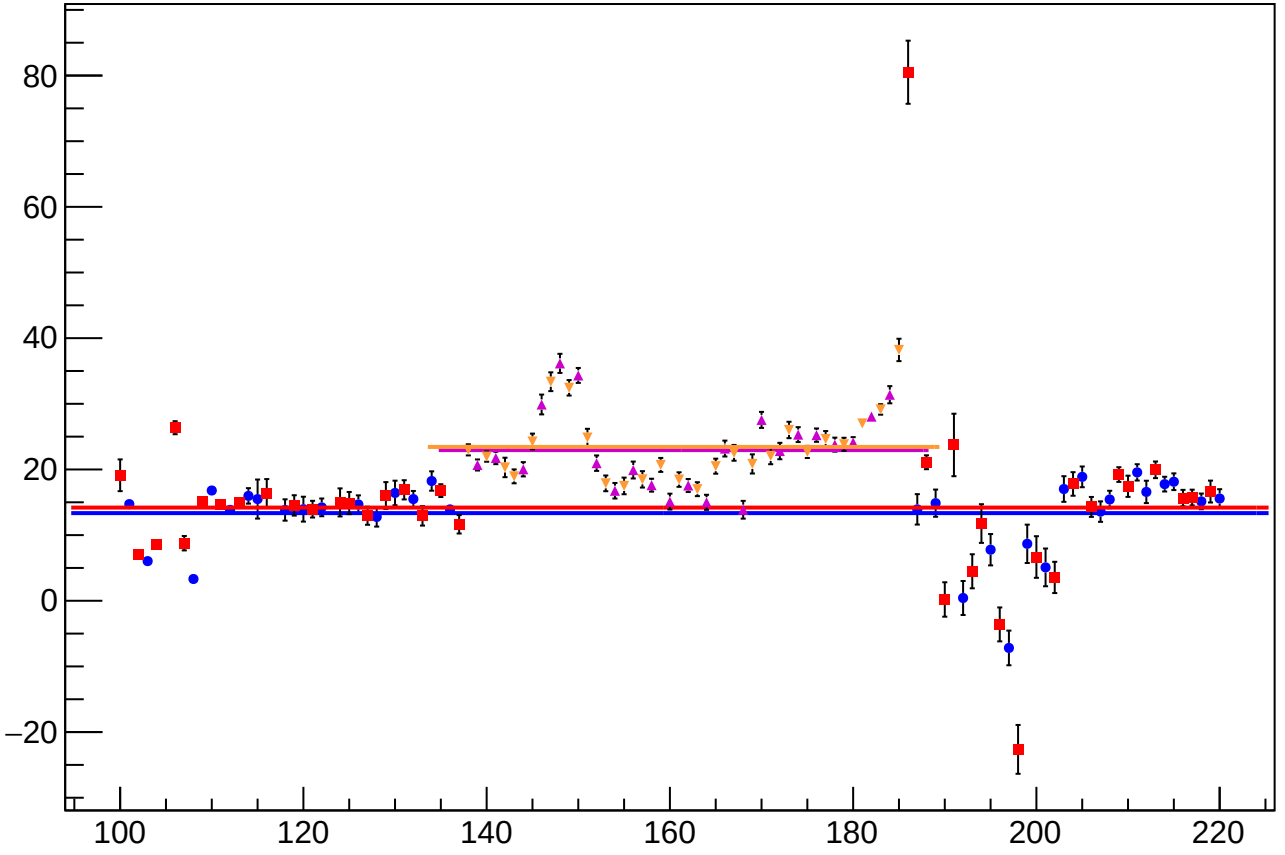
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.366+/-0.006 χ^2/NDF: 5349.6/57

All: -0.349+/-0.004 χ^2/NDF: 11712.8/117

- sign -0.332+/-0.006 χ^2/NDF: 6348.0/59

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 13.351+/-0.188 χ^2/NDF: 577.3/32

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 14.193+/-0.182 χ^2/NDF: 913.8/36

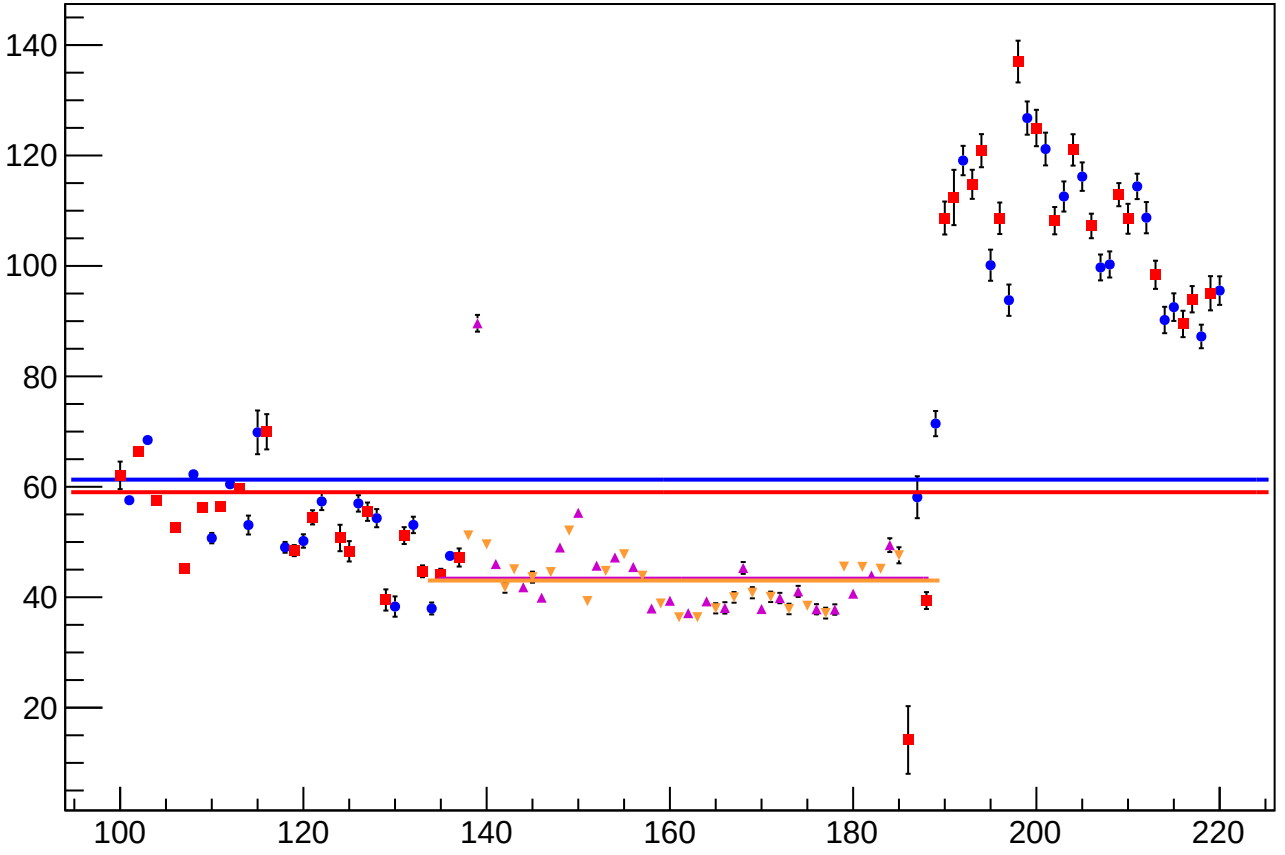
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.708+/-0.142 χ^2/NDF: 2243.2/57

All: 17.681+/-0.100 χ^2/NDF: 4635.3/117

- sign 17.653+/-0.142 χ^2/NDF: 2392.1/59

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 61.299+/-0.209 χ^2/NDF: 6048.0/32

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 59.021+/-0.211 χ^2/NDF: 7176.1/36

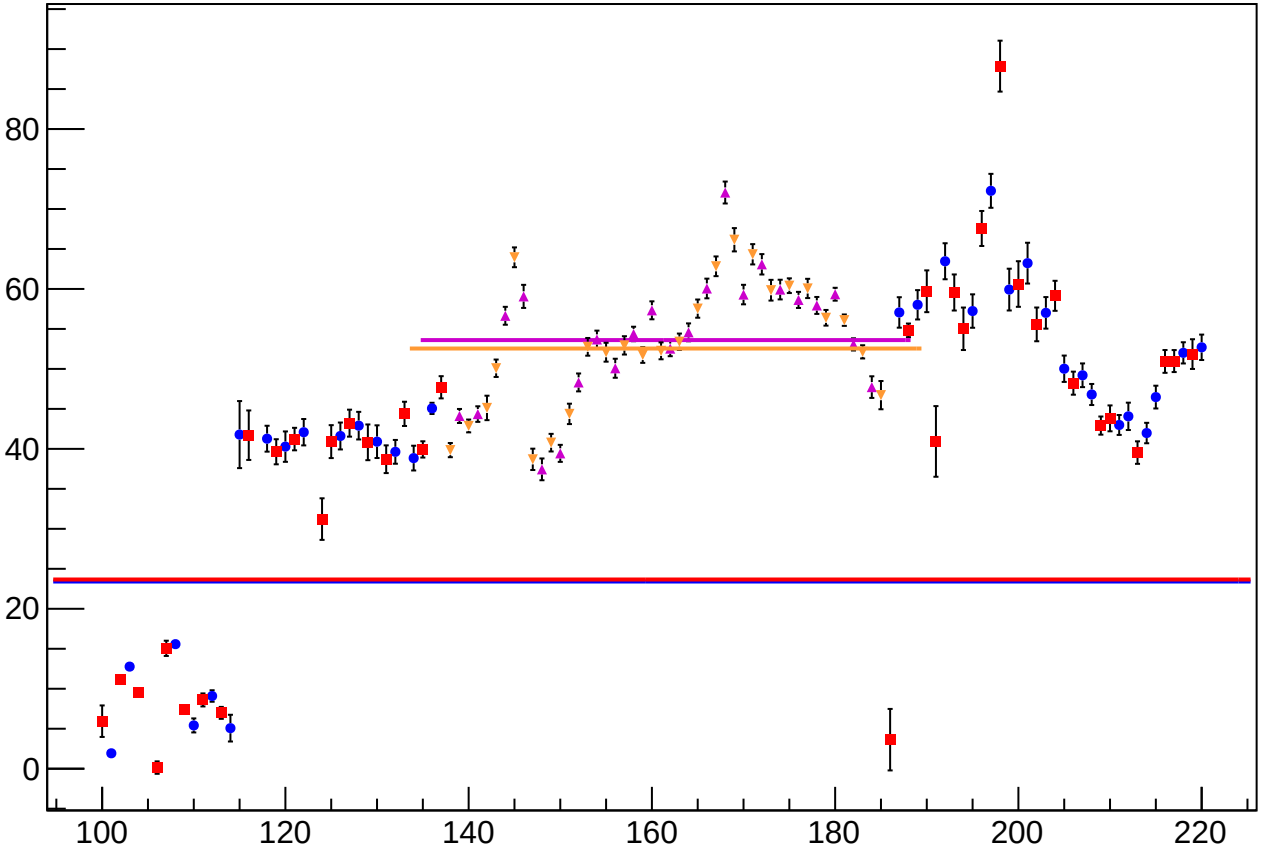
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 50.158+/-0.131 χ^2/NDF: 11482.7/57

All: 50.000+/-0.094 χ^2/NDF: 23576.0/117

- sign 49.829+/-0.136 χ^2/NDF: 12090.3/59

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 23.411+/-0.189 χ^2/NDF: 11576.1/32

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 23.663+/-0.192 χ^2/NDF: 10707.0/36

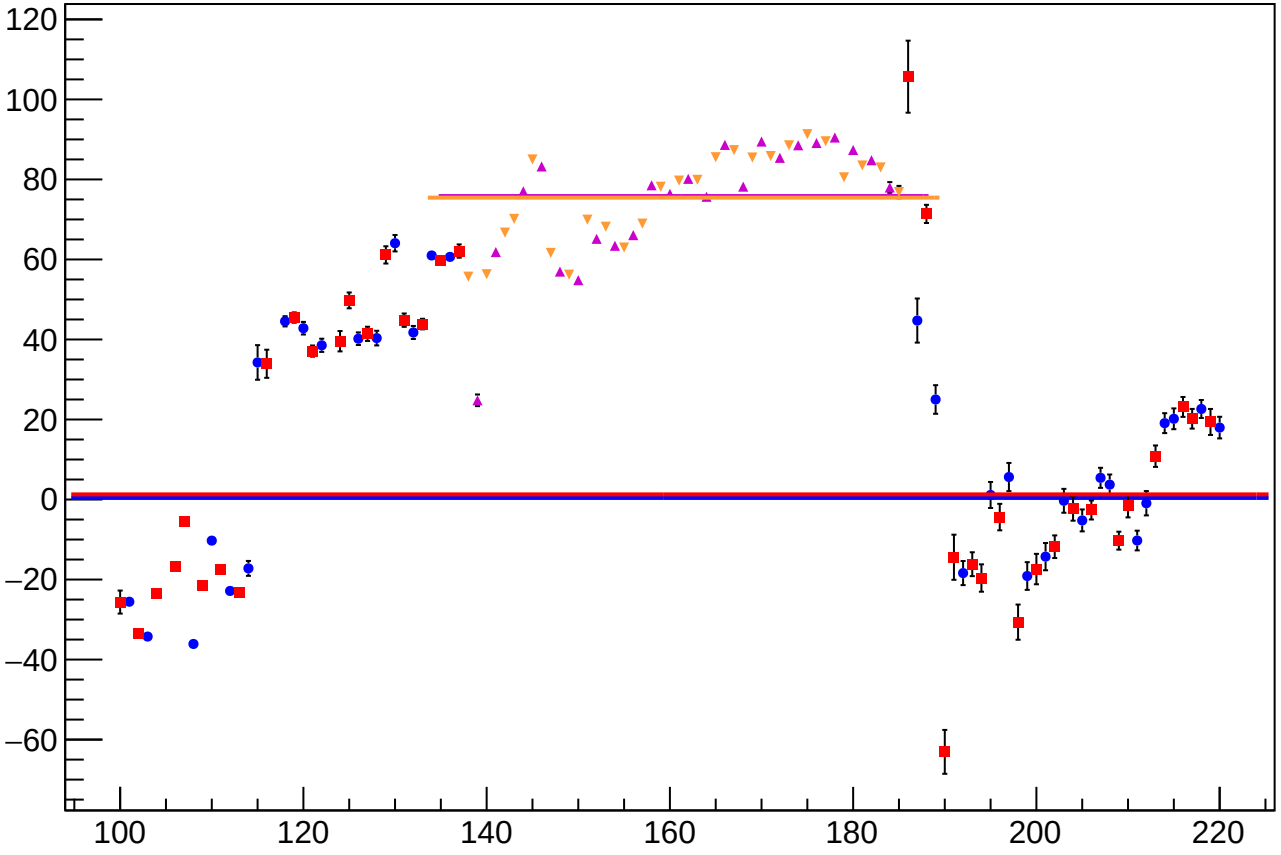
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 36.121+/-0.142 χ^2/NDF: 23159.0/57

All: 36.257+/-0.101 χ^2/NDF: 45252.9/117

- sign 36.399+/-0.145 χ^2/NDF: 22092.0/59

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.404+/-0.245 χ^2/NDF: 21524.9/32

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 1.286+/-0.247 χ^2/NDF: 17651.3/36

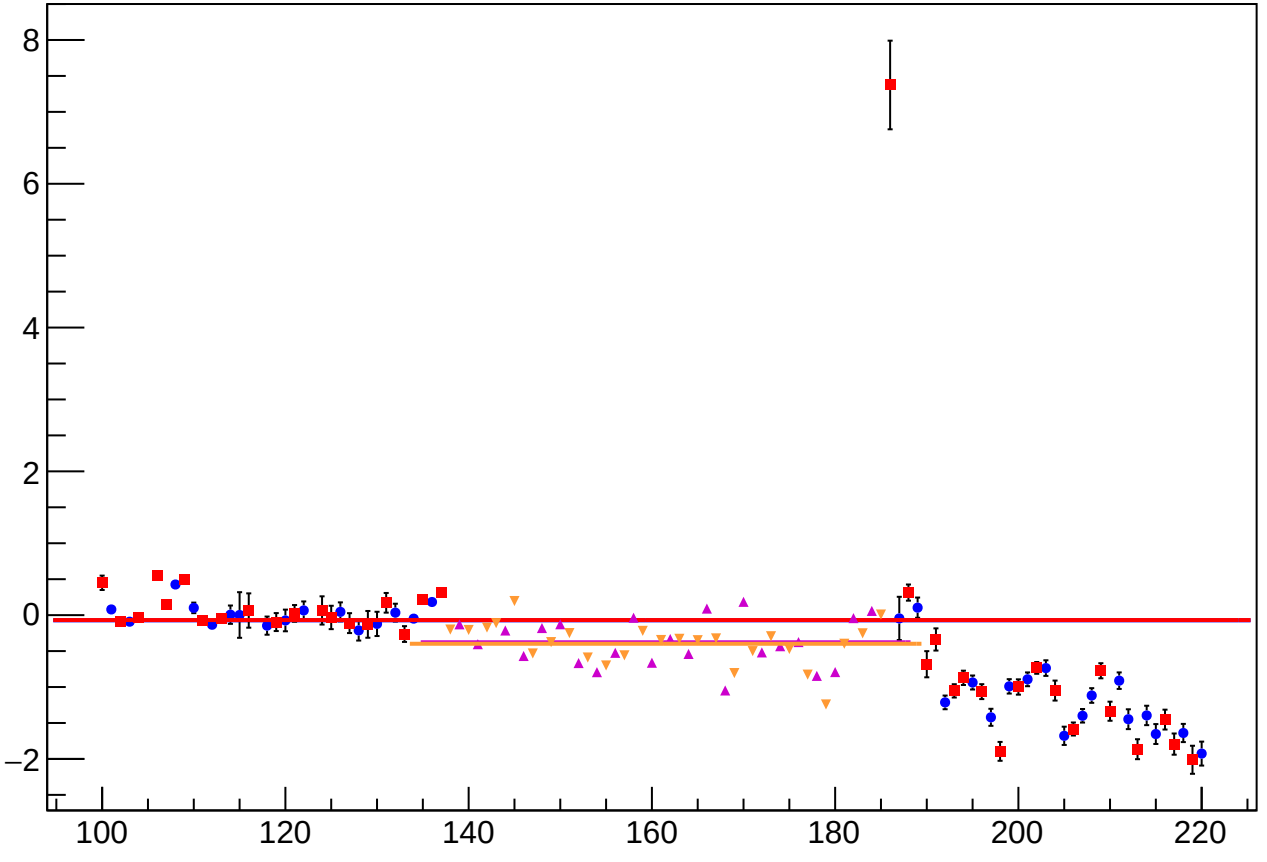
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 47.553+/-0.149 χ^2/NDF: 84008.2/57

All: 47.210+/-0.107 χ^2/NDF: 161501.3/117

- sign 46.846+/-0.154 χ^2/NDF: 77482.3/59

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.072+/-0.010 χ^2/NDF: 2194.9/32

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.068+/-0.011 χ^2/NDF: 2343.3/36

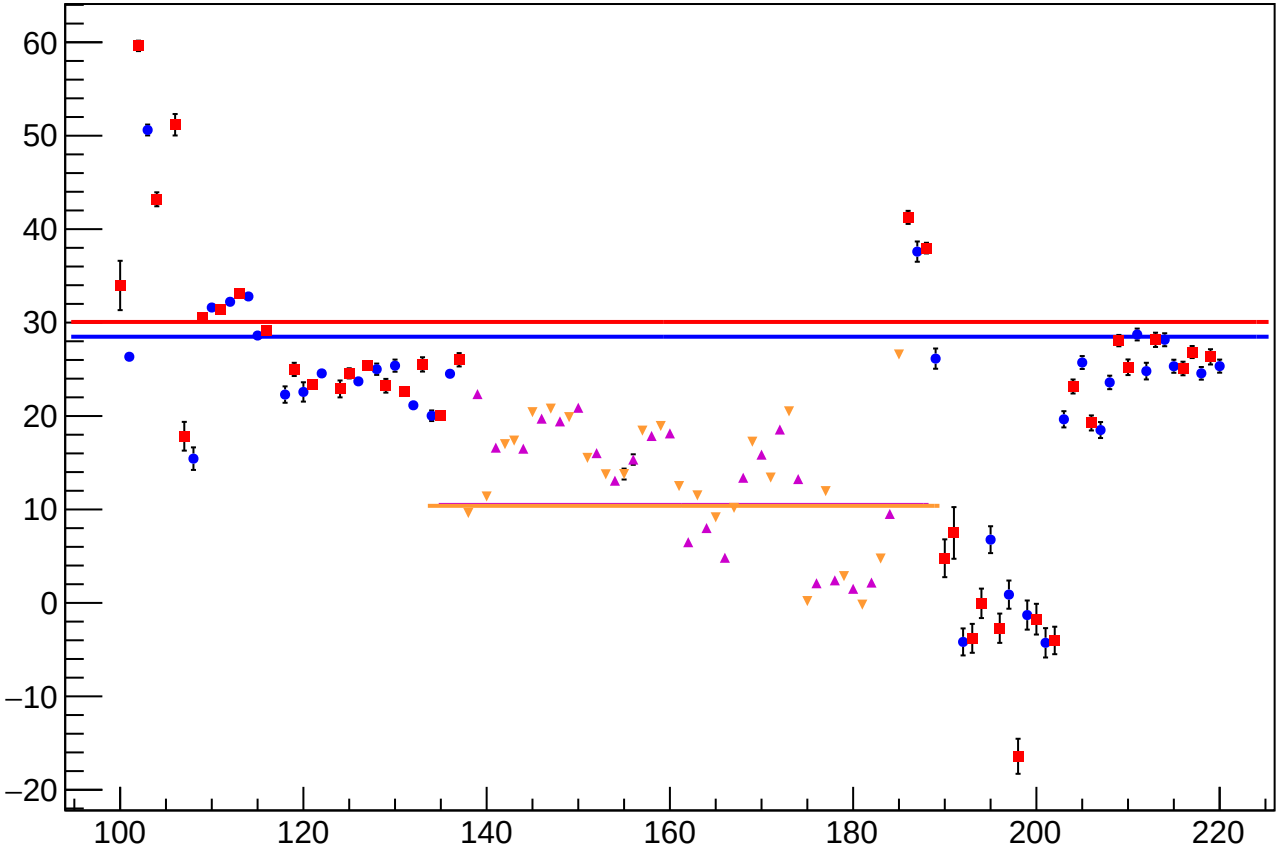
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.270+/-0.007 χ^2/NDF: 3817.6/57

All: -0.262+/-0.005 χ^2/NDF: 8030.7/117

- sign -0.254+/-0.007 χ^2/NDF: 4210.4/59

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 28.488+/-0.084 χ^2/NDF: 5845.3/32

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.068+/-0.075 χ^2/NDF: 9043.3/36

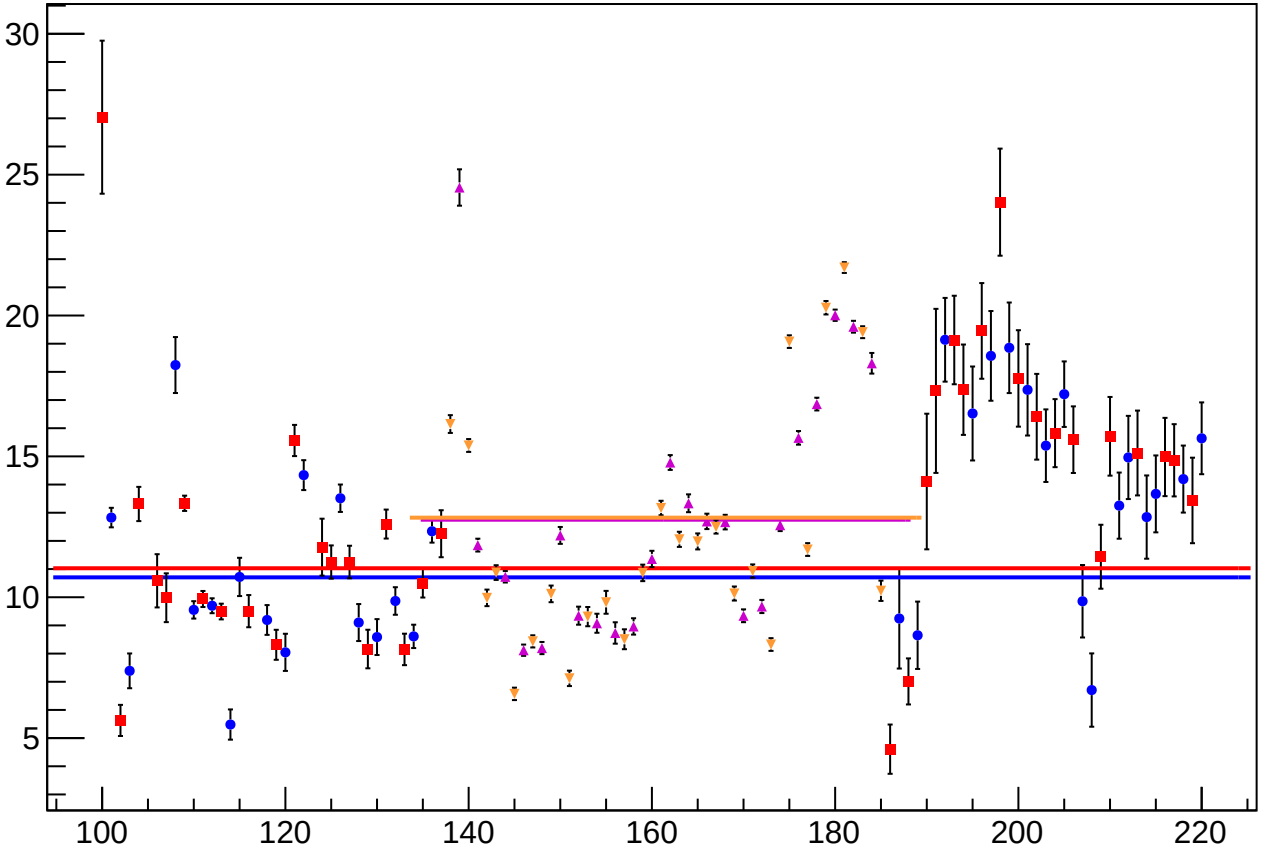
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 17.031+/-0.051 χ^2/NDF: 48865.4/57

All: 18.124+/-0.036 χ^2/NDF: 108401.0/117

- sign 19.166+/-0.050 χ^2/NDF: 58639.1/59

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.706+/-0.108 χ^2/NDF: 626.5/32

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 11.029+/-0.106 χ^2/NDF: 715.9/36

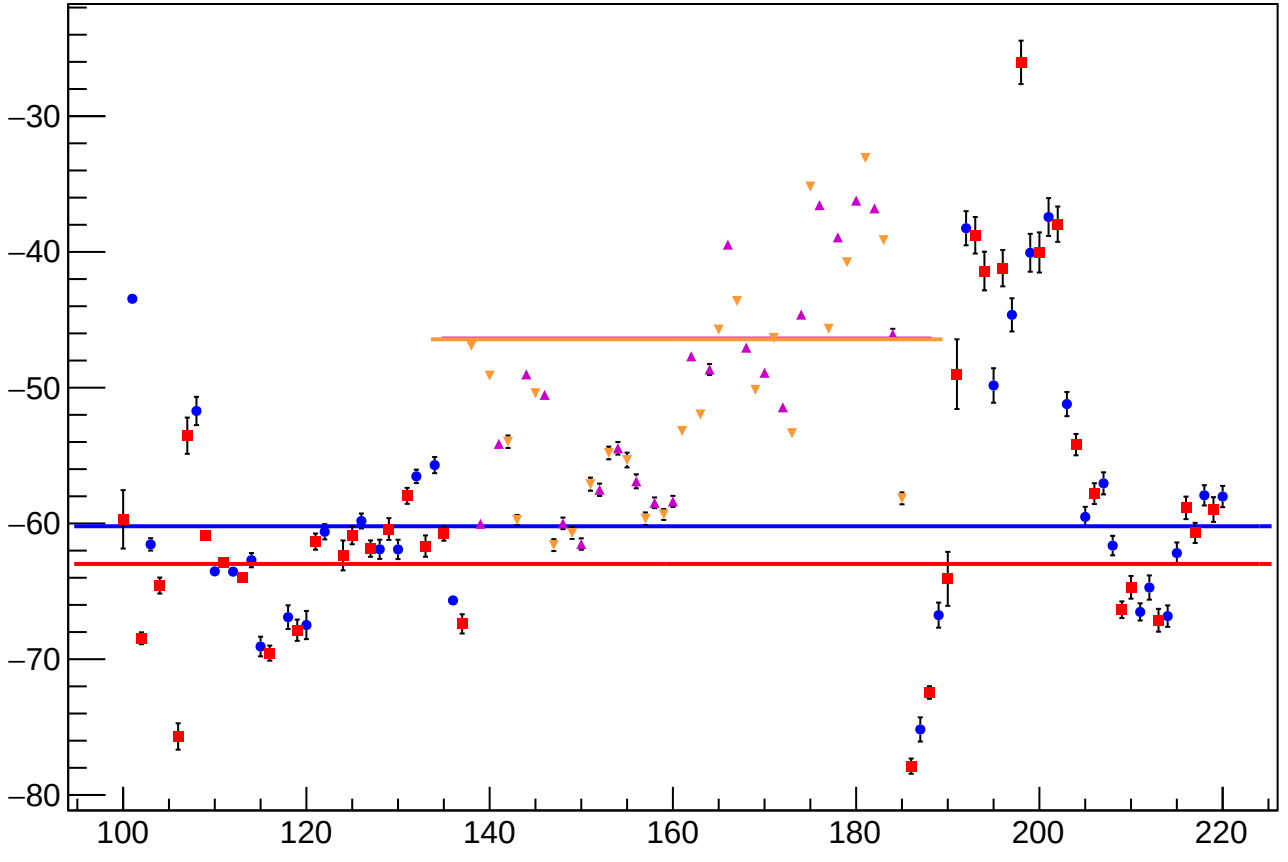
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.437+/-0.046 χ^2/NDF: 8958.5/57

All: 12.424+/-0.033 χ^2/NDF: 15387.6/117

- sign 12.410+/-0.047 χ^2/NDF: 6428.9/59

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -60.206+/-0.100 χ^2/NDF: 5280.7/32

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -62.982+/-0.095 χ^2/NDF: 4243.5/36

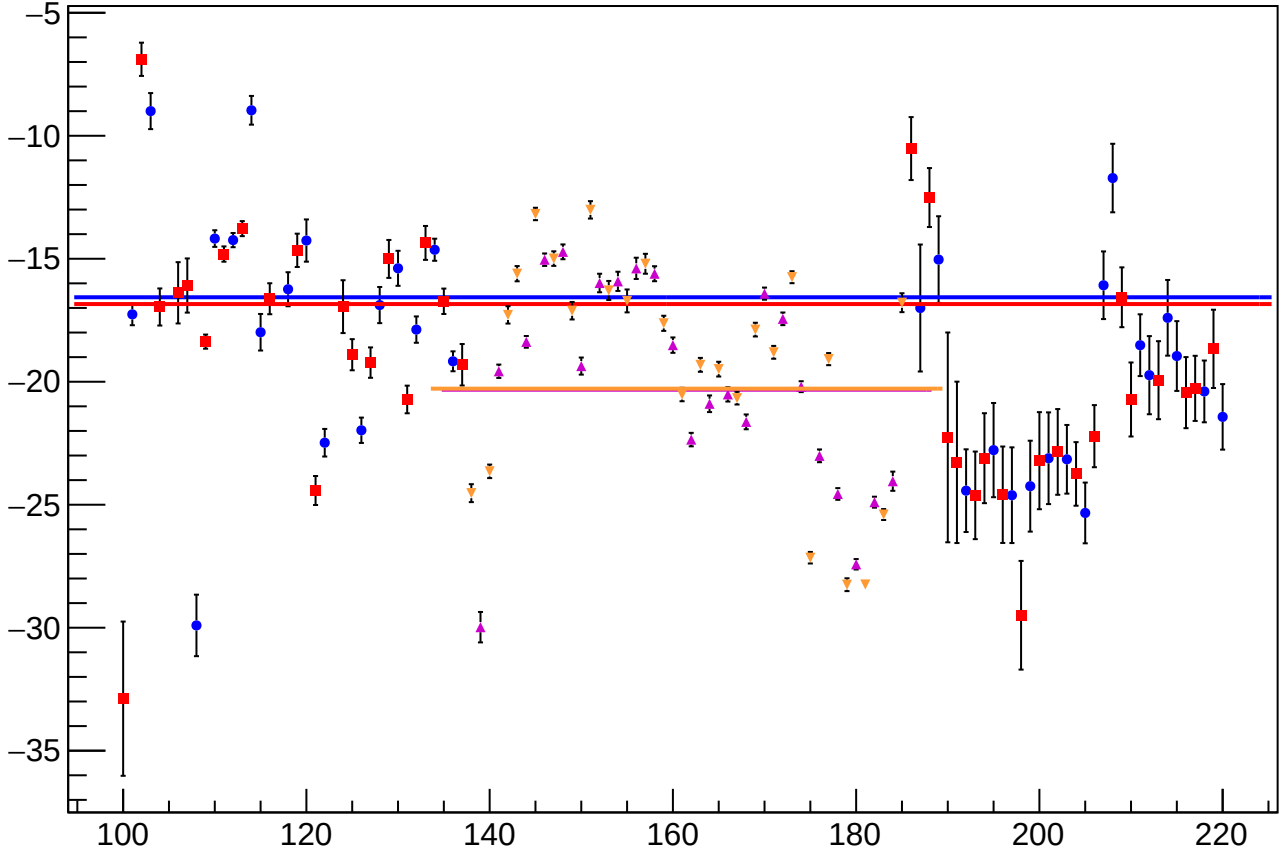
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

+ sign -50.492+/-0.054 χ^2/NDF: 36911.1/57

All: -51.189+/-0.038 χ^2/NDF: 77087.4/117

- sign -51.898+/-0.055 χ^2/NDF: 39841.4/59

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.565+/-0.120 χ^2/NDF: 1004.8/32

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.842+/-0.118 χ^2/NDF: 907.5/36

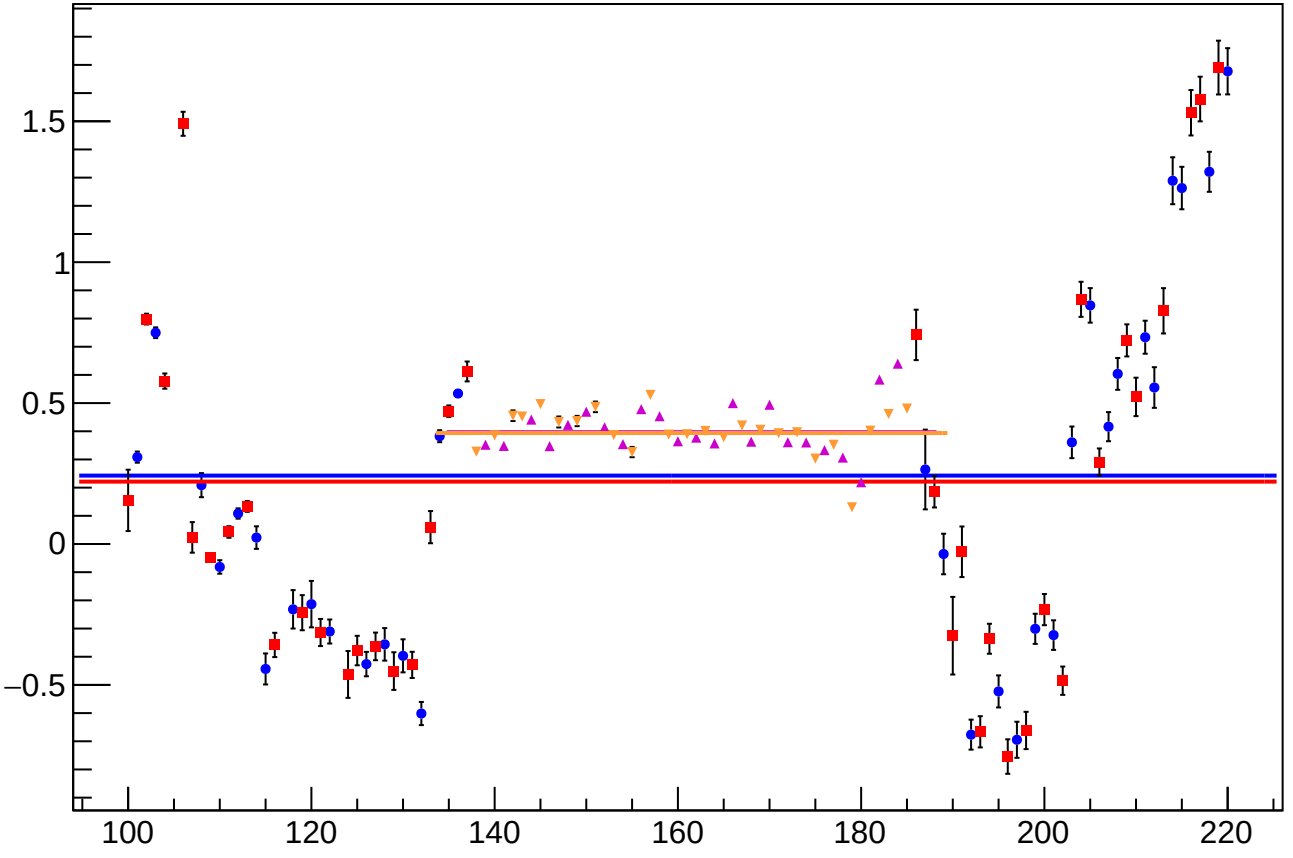
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.598+/-0.052 χ^2/NDF: 8803.5/57

All: -19.612+/-0.037 χ^2/NDF: 14679.1/117

- sign -19.627+/-0.053 χ^2/NDF: 5875.5/59

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.243+/-0.006 χ^2/NDF: 4683.3/32

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.221+/-0.006 χ^2/NDF: 5779.6/36

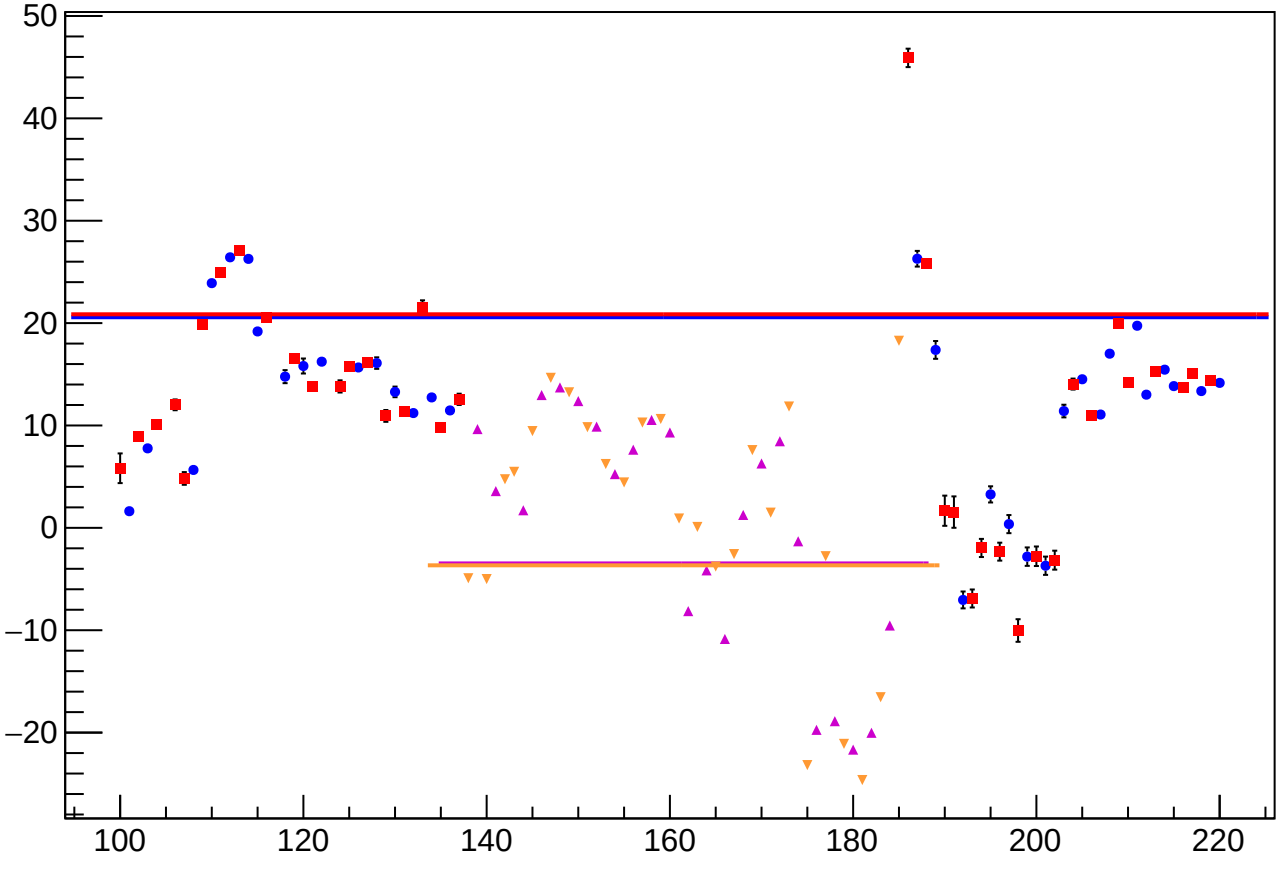
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.373+/-0.002 χ^2/NDF: 6109.1/57

All: 0.372+/-0.002 χ^2/NDF: 13821.5/117

- sign 0.372+/-0.002 χ^2/NDF: 7712.3/59

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 20.574+/-0.050 χ^2/NDF: 19704.0/32

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 20.860+/-0.043 χ^2/NDF: 19131.7/36

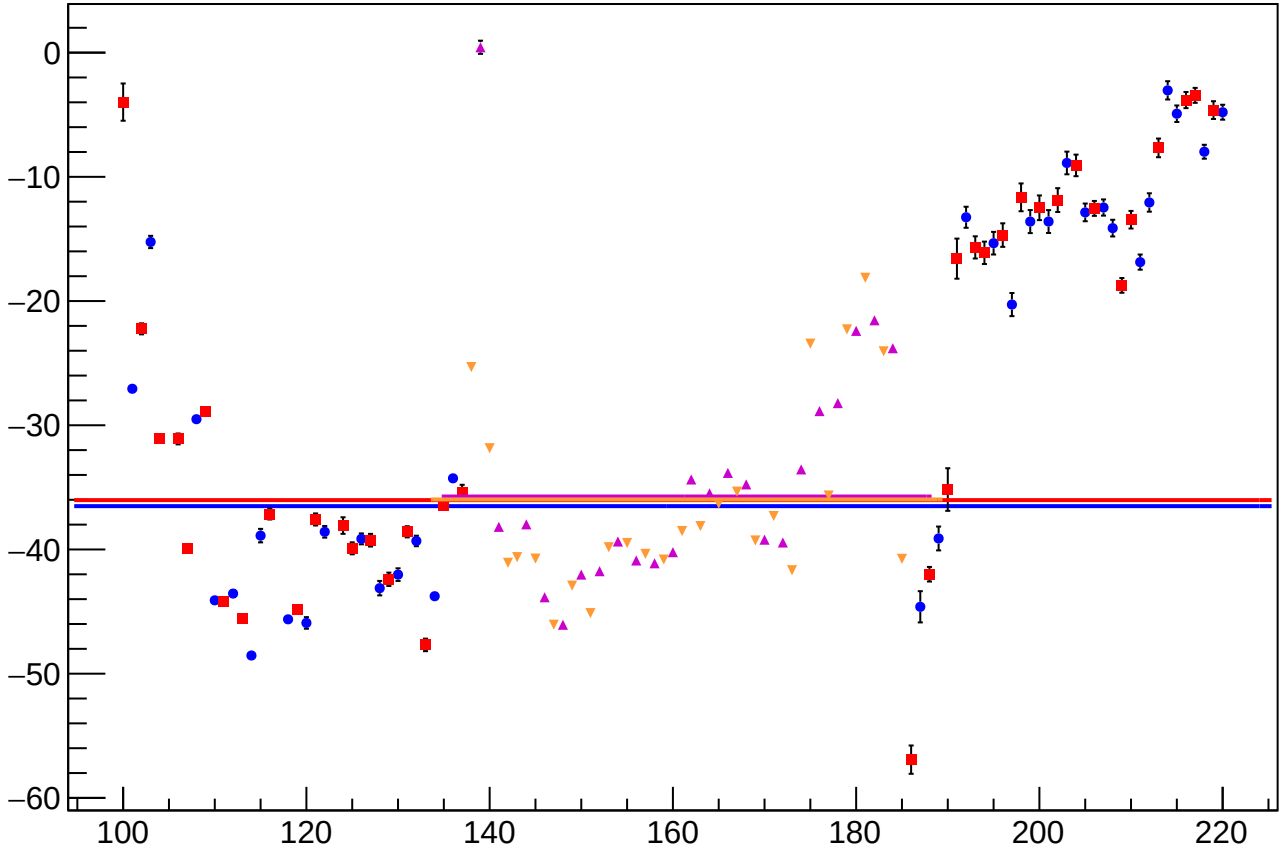
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 9.400+/-0.037 χ^2/NDF: 182853.0/57

All: 10.851+/-0.025 χ^2/NDF: 364975.1/117

- sign 12.105+/-0.034 χ^2/NDF: 179259.6/59

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -36.512+/-0.071 χ^2/NDF: 29979.3/32

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -36.026+/-0.066 χ^2/NDF: 28714.6/36

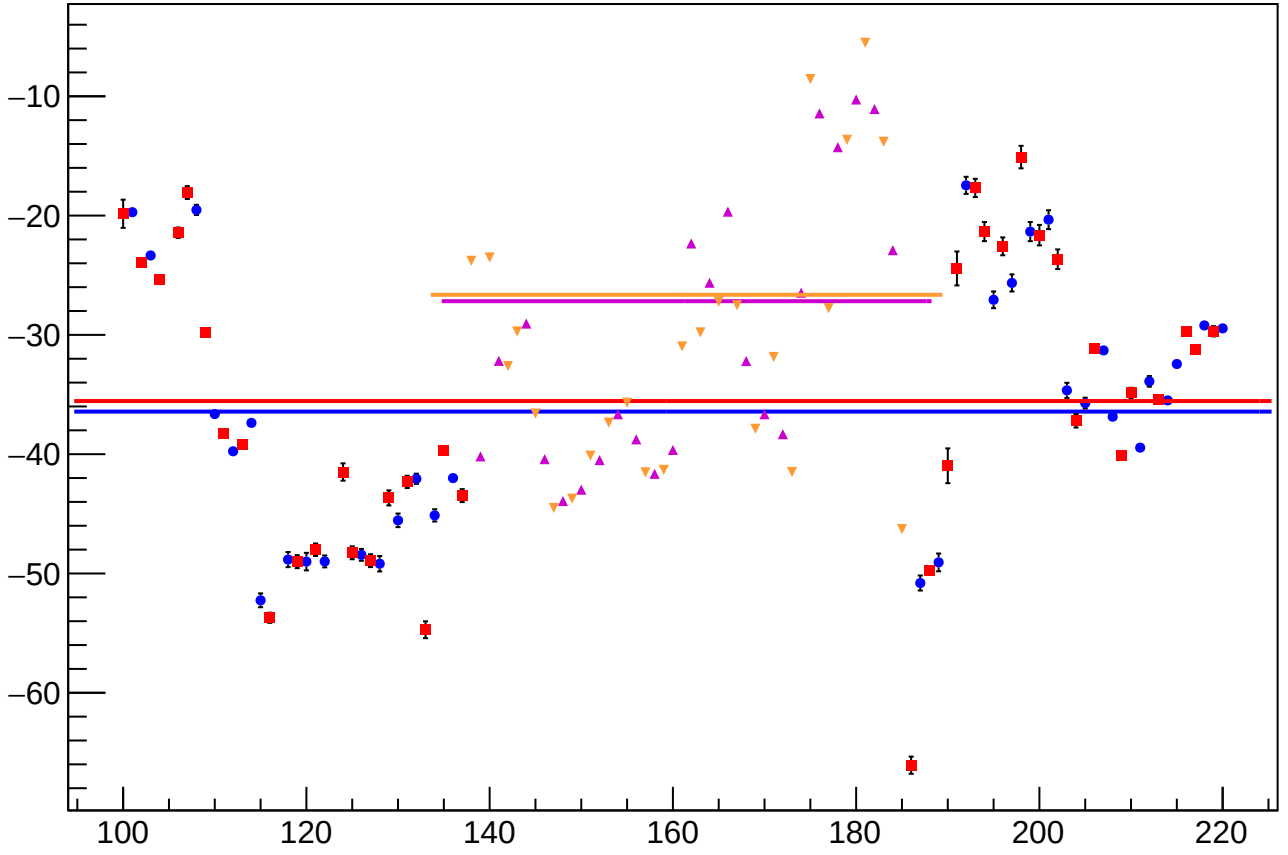
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.116+/-0.036 χ^2/NDF: 63631.6/57

All: -35.975+/-0.026 χ^2/NDF: 119544.6/117

- sign -35.828+/-0.037 χ^2/NDF: 55882.4/59

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -36.431+/-0.062 χ^2/NDF: 14995.9/32

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.546+/-0.056 χ^2/NDF: 19999.3/36

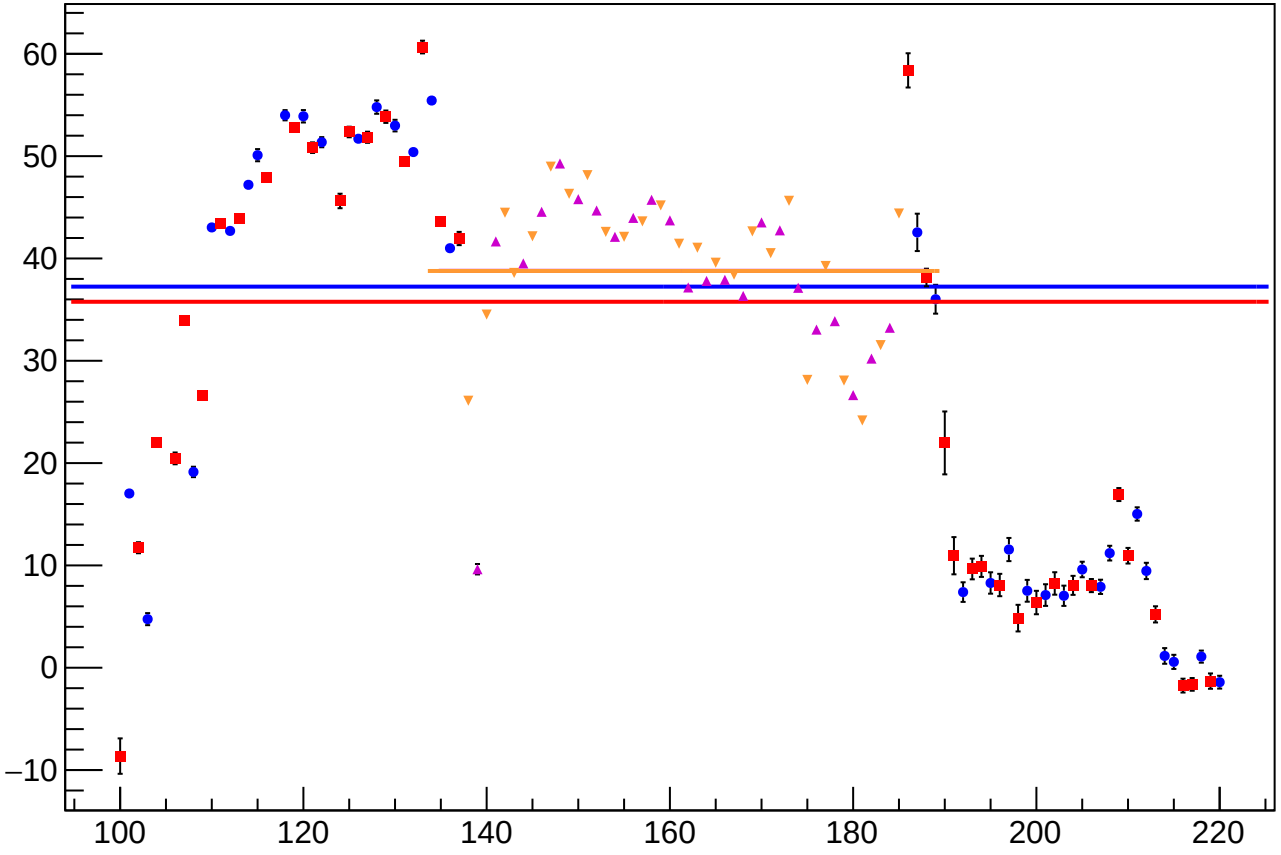
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.919+/-0.041 χ^2/NDF: 79112.5/57

All: -31.173+/-0.029 χ^2/NDF: 151018.3/117

- sign -31.417+/-0.040 χ^2/NDF: 71830.3/59

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 37.247+/-0.078 χ^2/NDF: 43034.1/32

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 35.767+/-0.073 χ^2/NDF: 39803.4/36

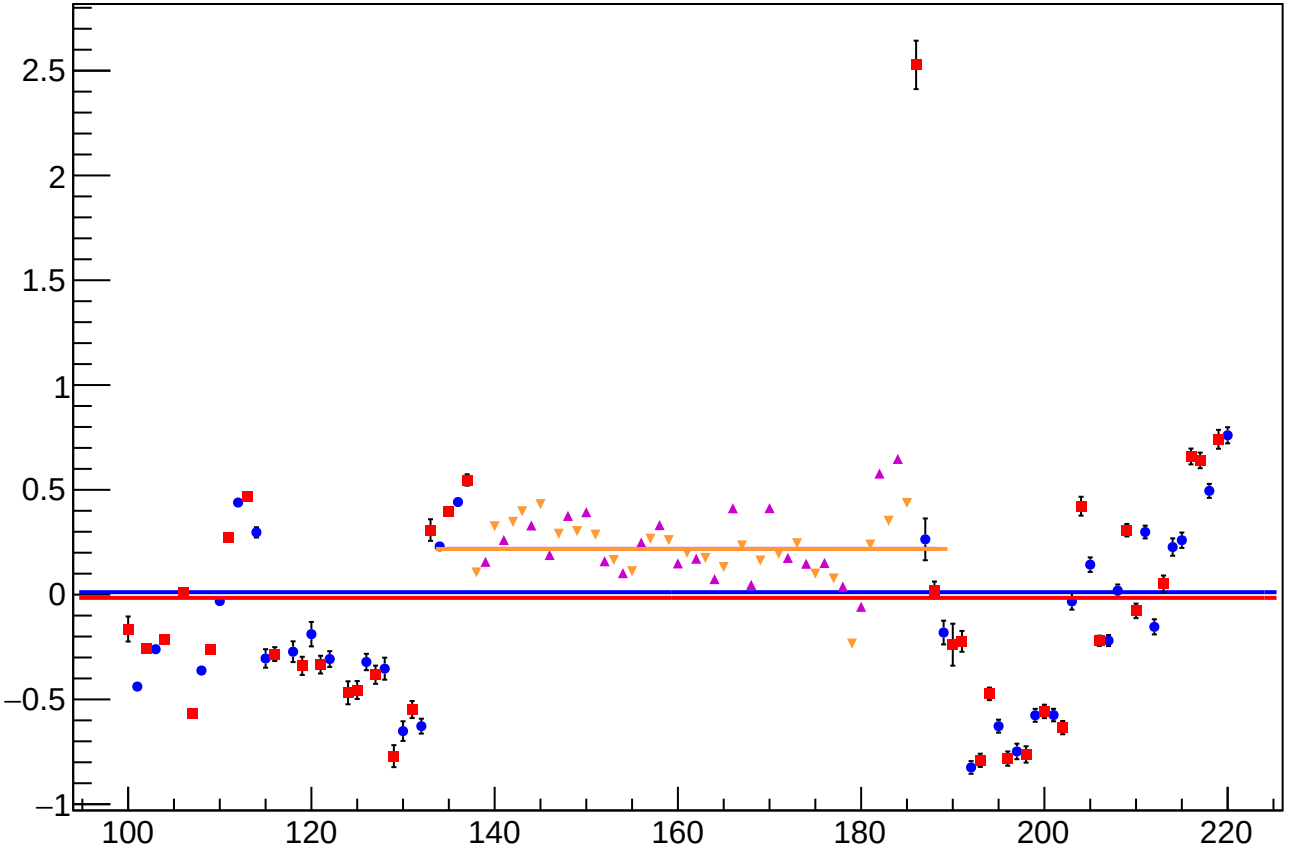
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

\+ sign 38.362+/-0.041 χ^2/NDF: 64383.6/57

All: 38.098+/-0.029 χ^2/NDF: 121674.6/117

\- sign 37.825+/-0.041 χ^2/NDF: 57205.1/59

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: 0.012+/-0.004 χ^2/NDF: 8852.6/32

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.015+/-0.004 χ^2/NDF: 10569.5/36

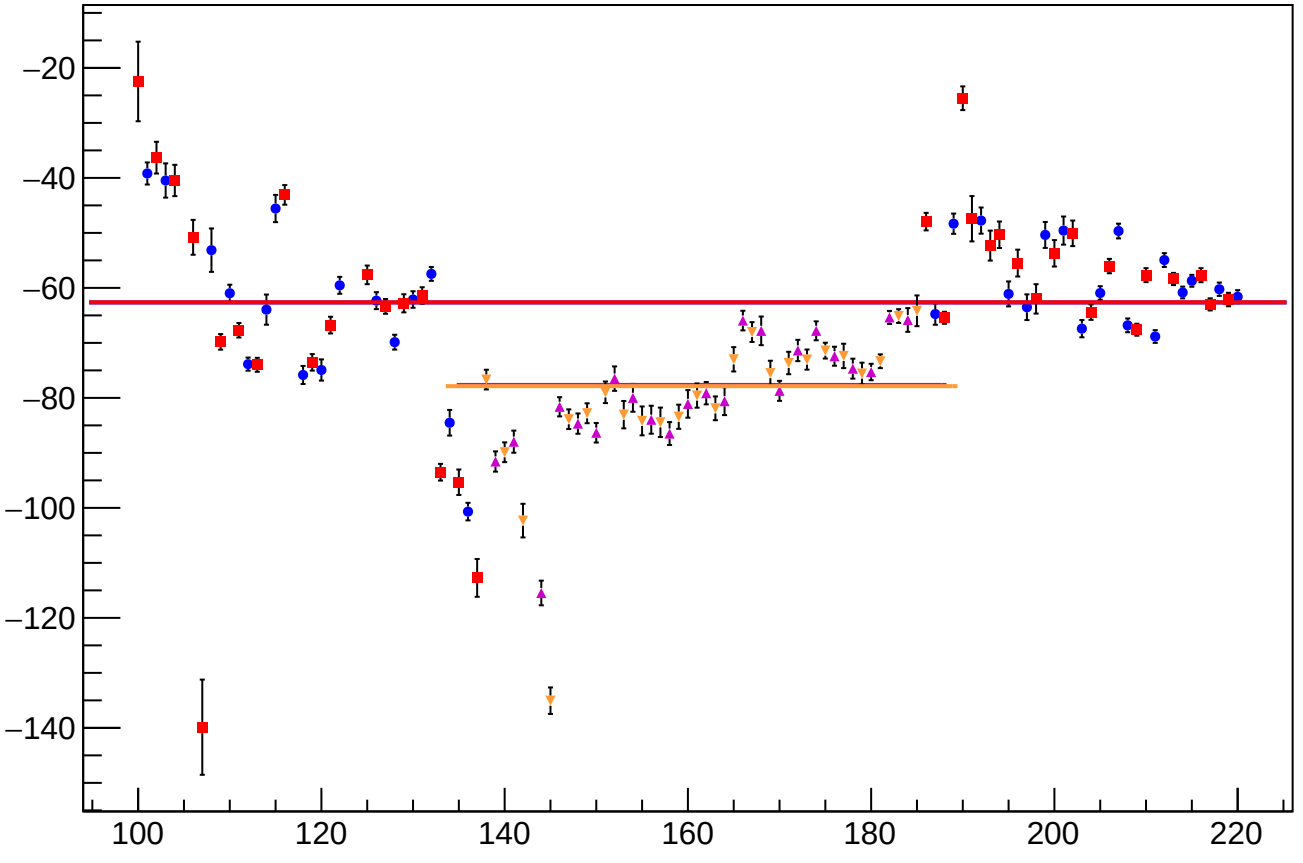
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.175+/-0.002 χ^2/NDF: 14846.9/57

All: 0.168+/-0.001 χ^2/NDF: 33453.4/117

- sign 0.161+/-0.002 χ^2/NDF: 18580.0/59

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -62.650+/-0.270 χ^2/NDF: 1498.3/32

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -62.619+/-0.271 χ^2/NDF: 1990.6/35

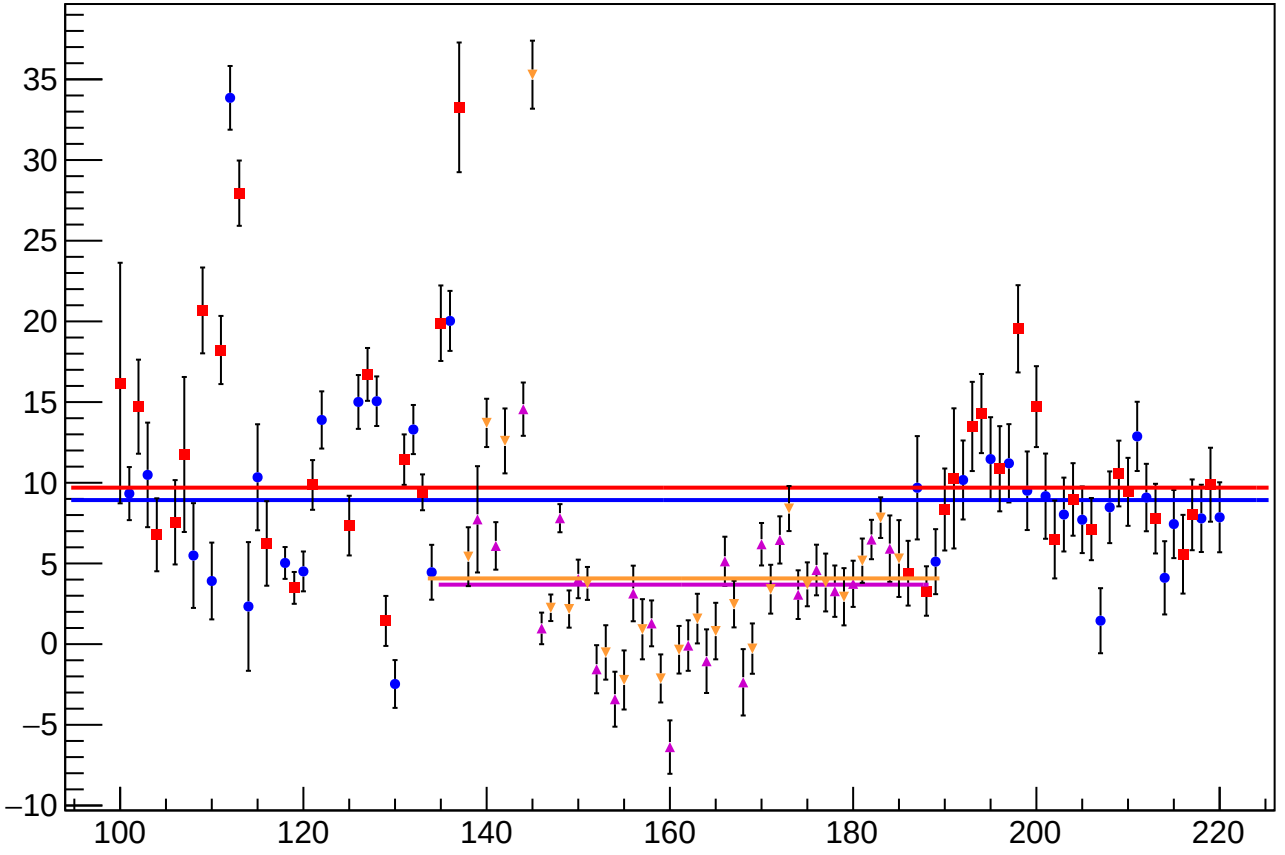
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -67.515+/-0.223 χ^2/NDF: 3444.9/56

All: -67.457+/-0.158 χ^2/NDF: 7108.2/115

- sign -67.398+/-0.224 χ^2/NDF: 3663.2/58

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 8.927+/-0.337 χ^2/NDF: 372.6/32

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.697+/-0.338 χ^2/NDF: 321.2/35

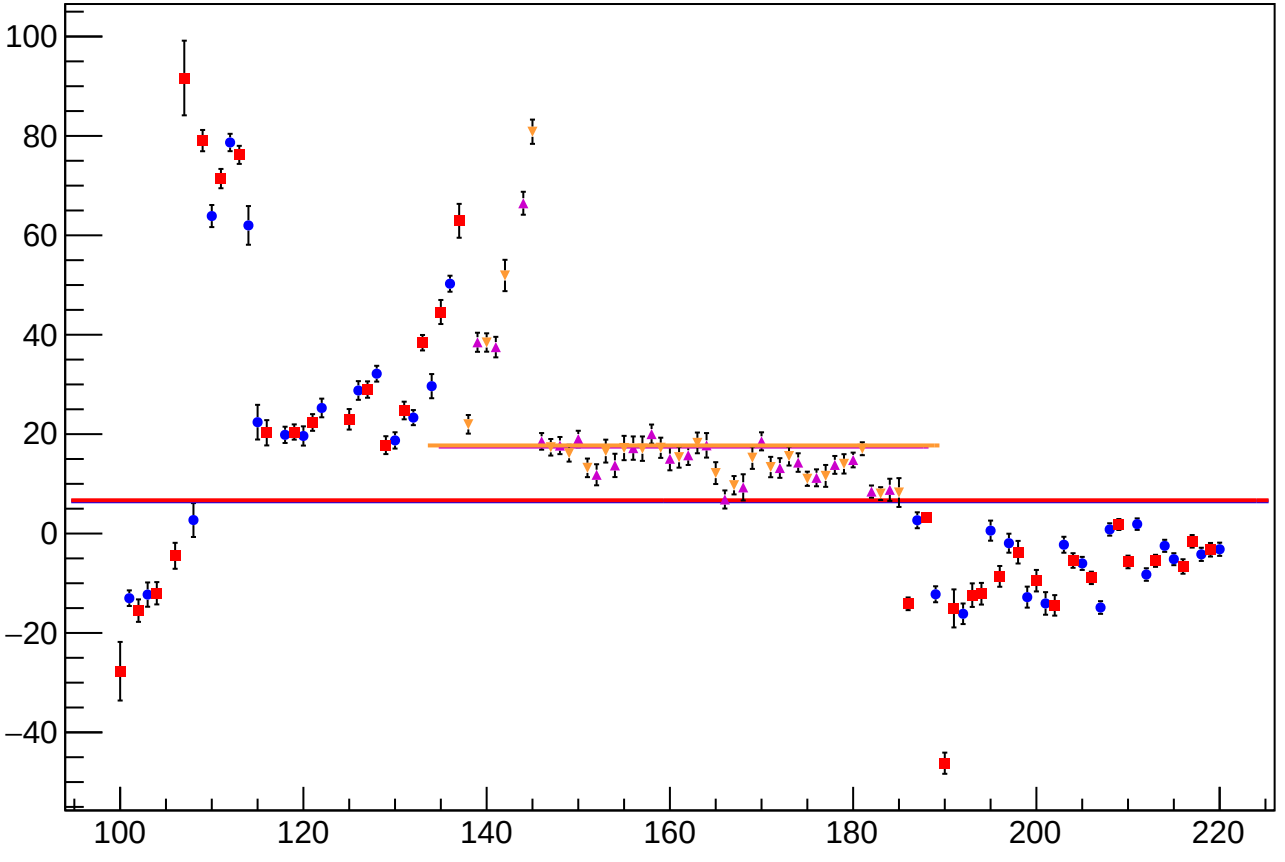
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

\+ sign 6.190+/-0.223 χ^2/NDF: 859.9/56

All: 6.272+/-0.158 χ^2/NDF: 1540.3/115

\- sign 6.355+/-0.225 χ^2/NDF: 680.1/58

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 6.495+/-0.285 χ^2/NDF: 5728.4/32

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 6.689+/-0.283 χ^2/NDF: 7502.7/35

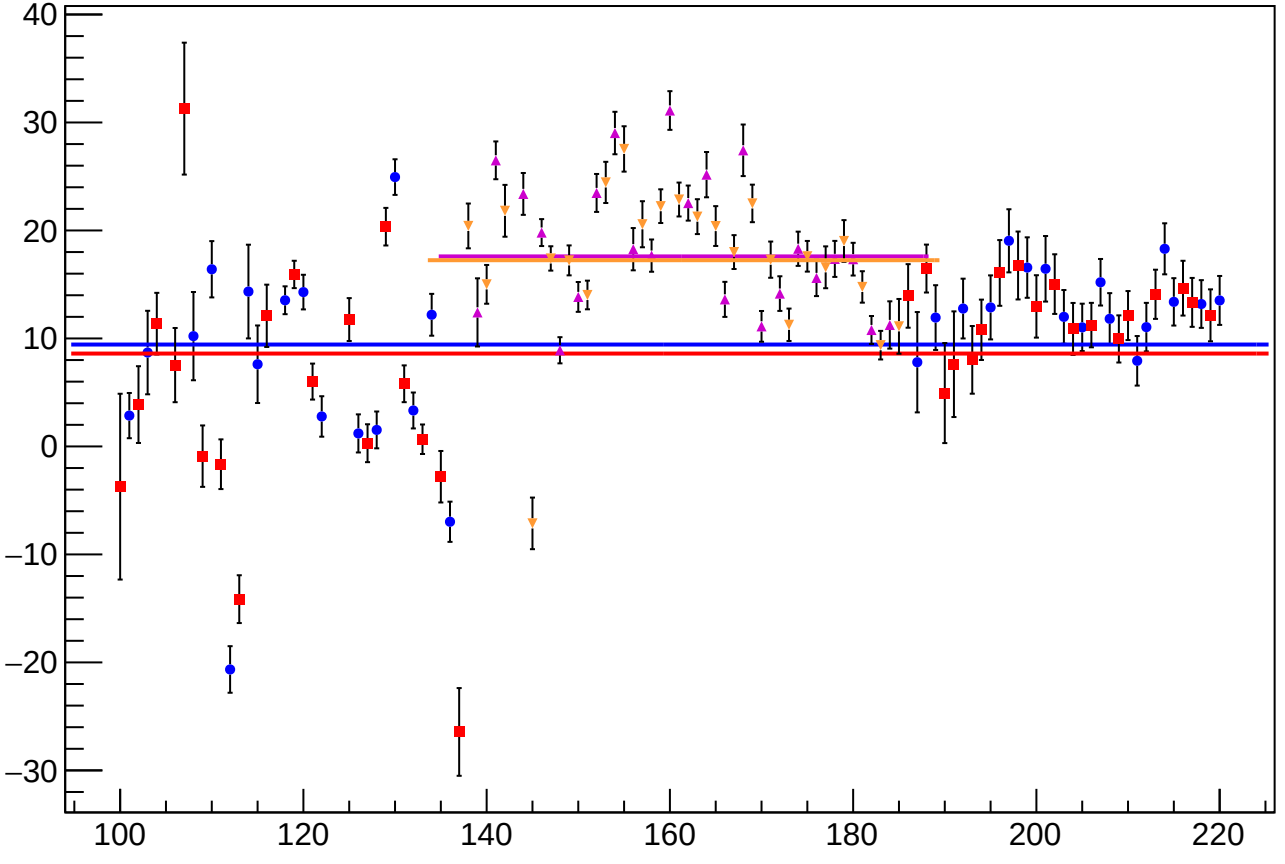
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 10.383+/-0.230 χ^2/NDF: 7325.5/56

All: 10.380+/-0.163 χ^2/NDF: 16147.2/115

- sign 10.376+/-0.229 χ^2/NDF: 8821.7/58

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 9.436+/-0.385 χ^2/NDF: 530.5/32

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 8.600+/-0.389 χ^2/NDF: 457.7/35

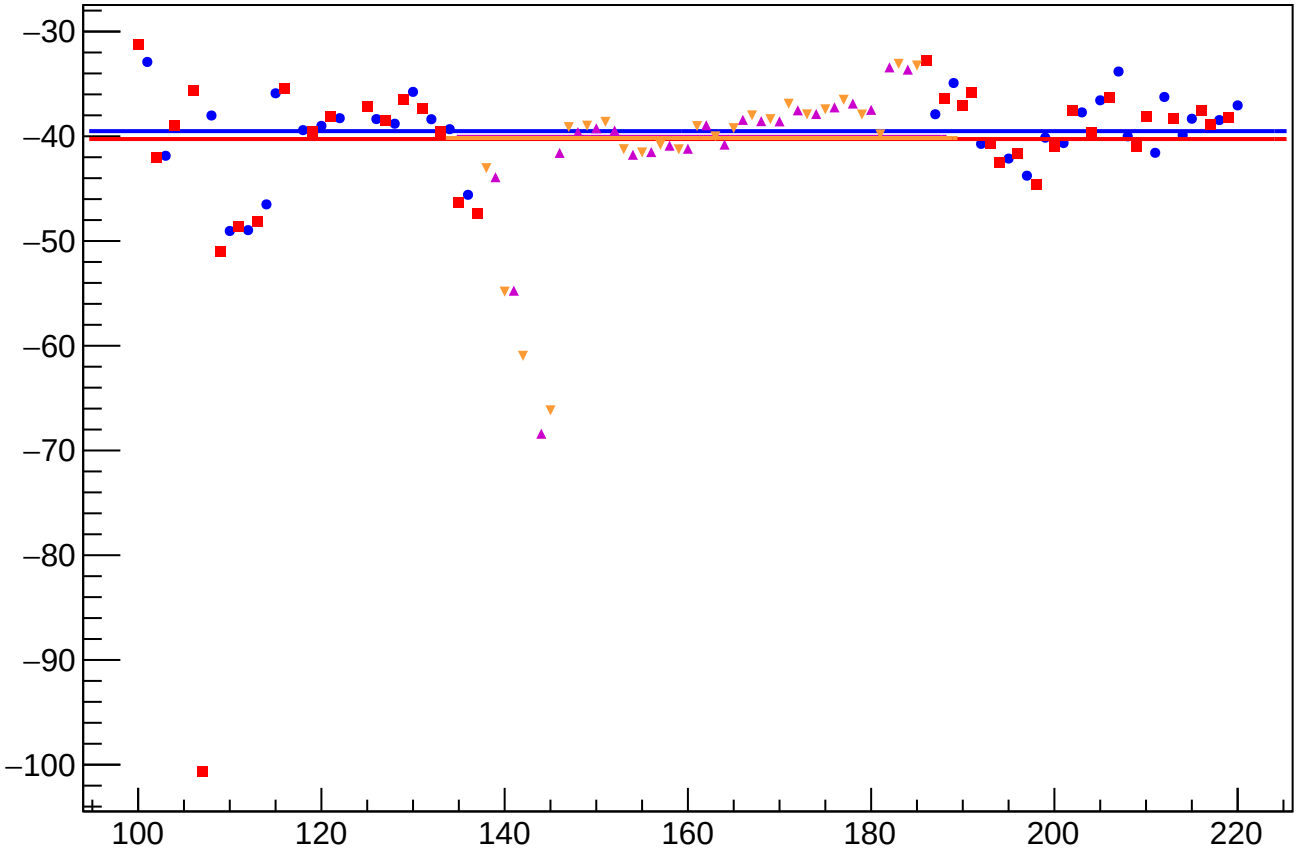
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.840+/-0.254 χ^2/NDF: 1023.9/56

All: 13.759+/-0.181 χ^2/NDF: 2092.7/115

- sign 13.675+/-0.257 χ^2/NDF: 1068.6/58

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.509+/-0.019 χ^2/NDF: 34246.8/32

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.263+/-0.019 χ^2/NDF: 74185.7/35

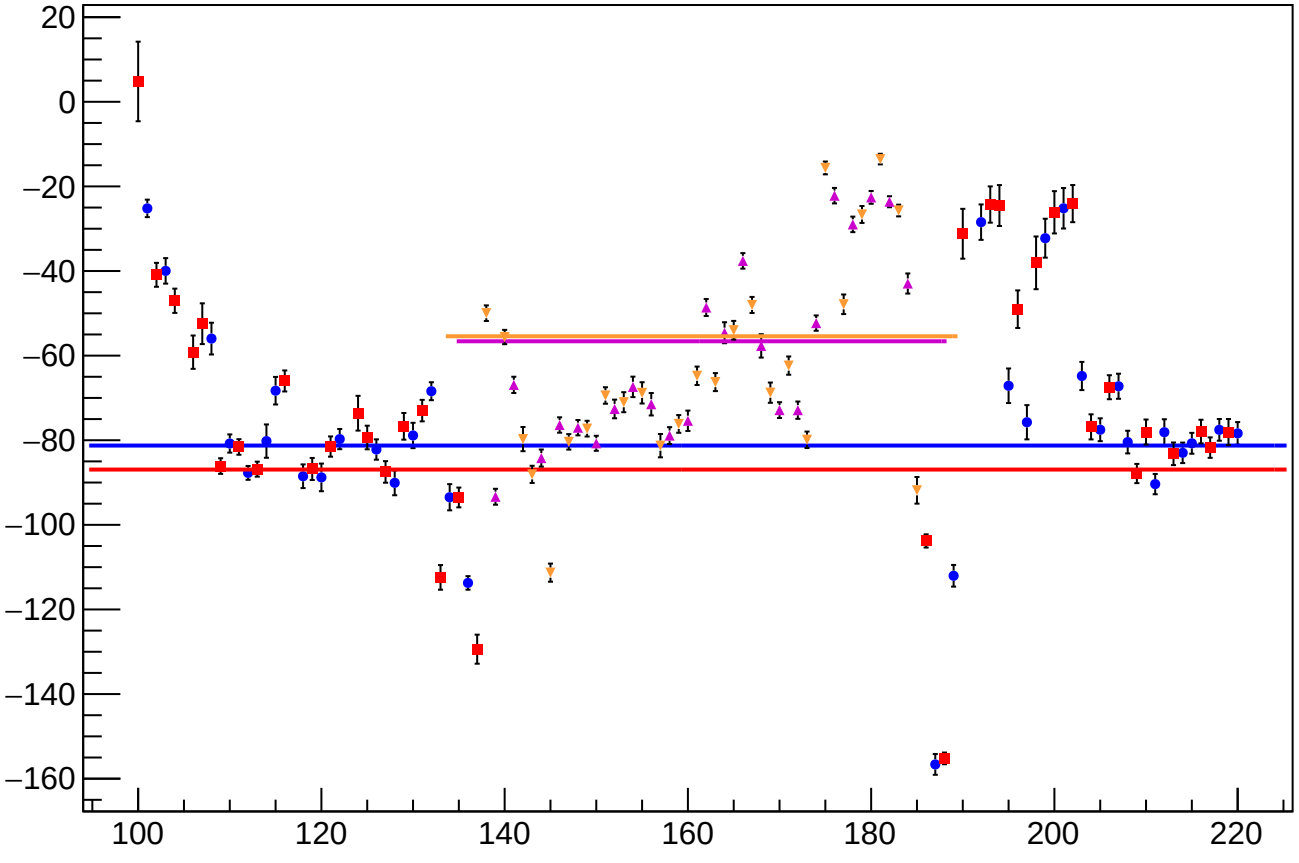
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -39.910+/-0.012 χ^2/NDF: 198282.8/56

All: -40.021+/-0.009 χ^2/NDF: 409149.7/115

- sign -40.132+/-0.012 χ^2/NDF: 210698.1/58

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -81.257+/-0.464 χ^2/NDF: 3065.8/32

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -86.930+/-0.445 χ^2/NDF: 4640.8/35

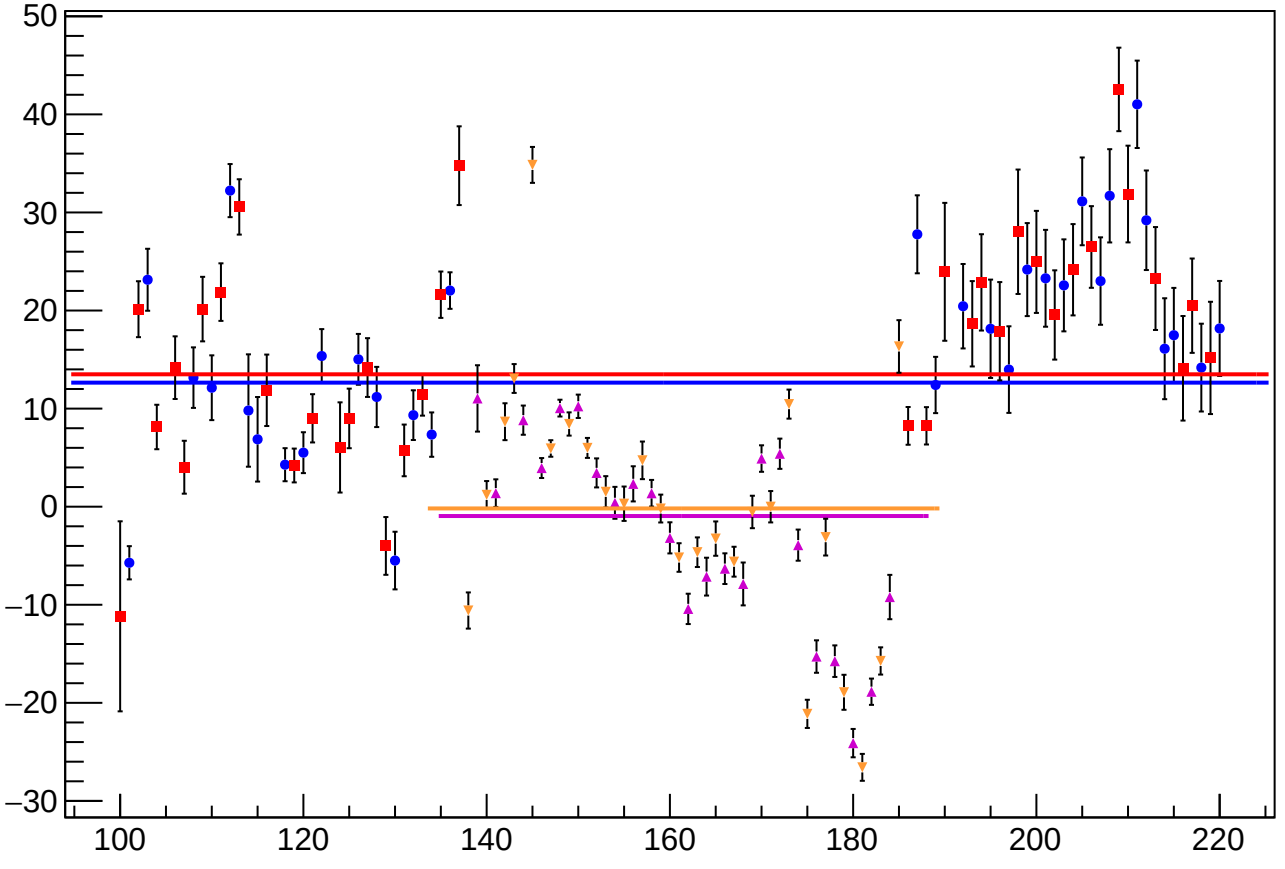
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -66.236+/-0.300 χ^2/NDF: 9396.8/57

All: -68.281+/-0.212 χ^2/NDF: 20029.7/116

- sign -70.313+/-0.299 χ^2/NDF: 10540.2/58

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 12.648+/-0.538 χ^2/NDF: 418.7/32

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 13.498+/-0.525 χ^2/NDF: 317.1/35

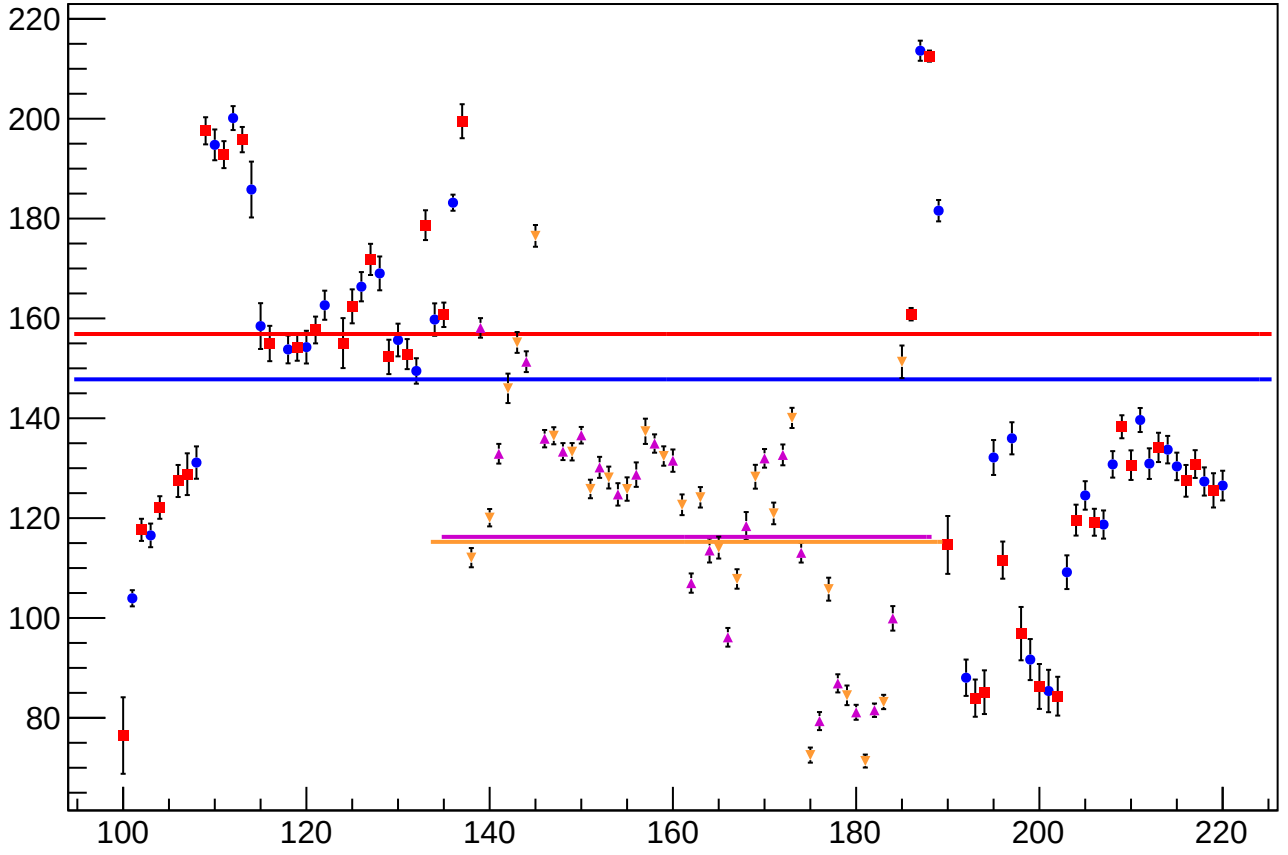
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

\+ sign 2.775+/-0.258 χ^2/NDF: 2455.3/57

All: 2.725+/-0.184 χ^2/NDF: 4408.5/116

\- sign 2.672+/-0.263 χ^2/NDF: 1953.1/58

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 147.796+/-0.478 χ^2/NDF: 4887.6/32

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 156.877+/-0.449 χ^2/NDF: 6568.5/35

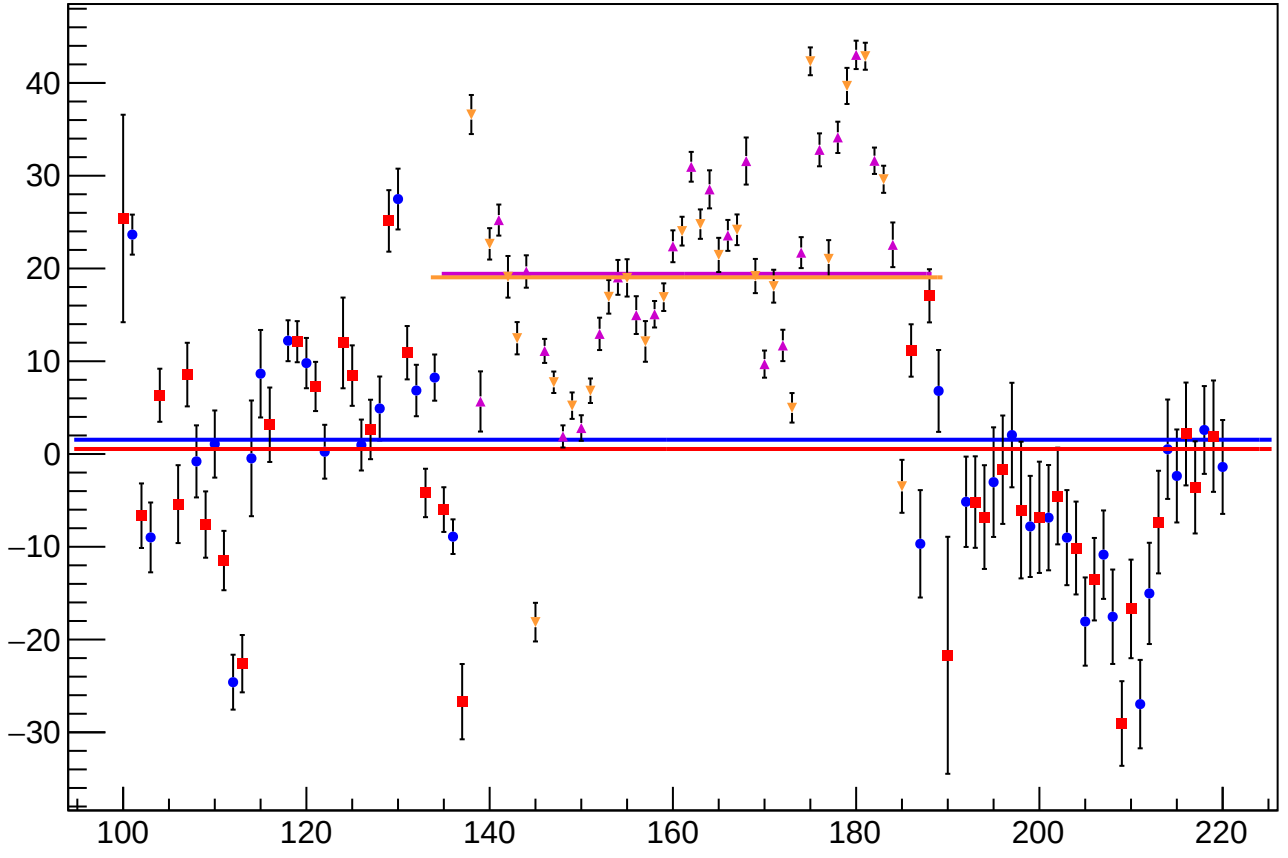
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.266+/-0.302 χ^2/NDF: 12506.4/57

All: 131.253+/-0.212 χ^2/NDF: 27474.0/116

- sign 134.163+/-0.298 χ^2/NDF: 14774.9/58

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 1.540+/-0.619 χ^2/NDF: 433.2/32

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 0.541+/-0.618 χ^2/NDF: 392.7/35

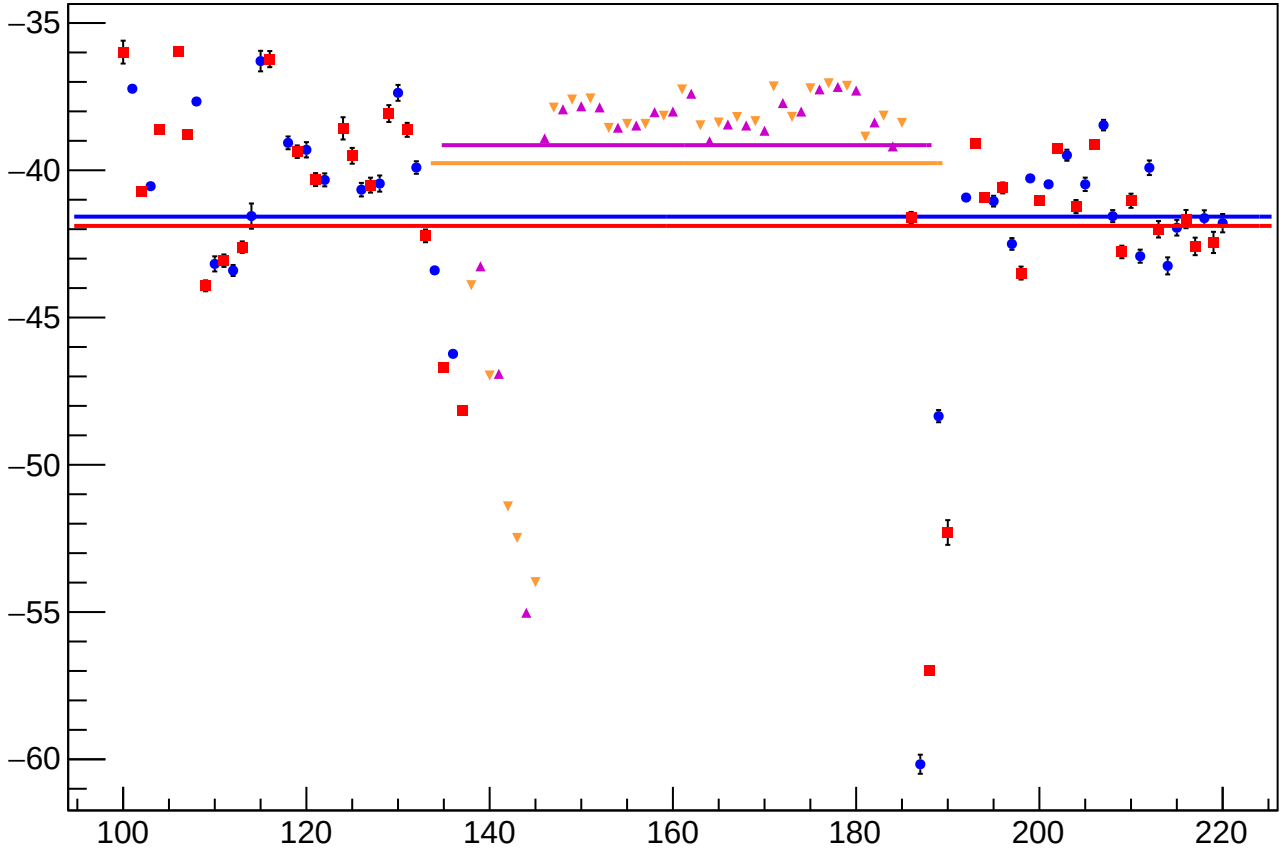
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 15.059+/-0.295 χ^2/NDF: 2596.9/57

All: 14.995+/-0.211 χ^2/NDF: 4777.3/116

- sign 14.929+/-0.302 χ^2/NDF: 2180.3/58

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.574+/-0.030 χ^2/NDF: 13008.0/32

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.889+/-0.031 χ^2/NDF: 19771.1/35

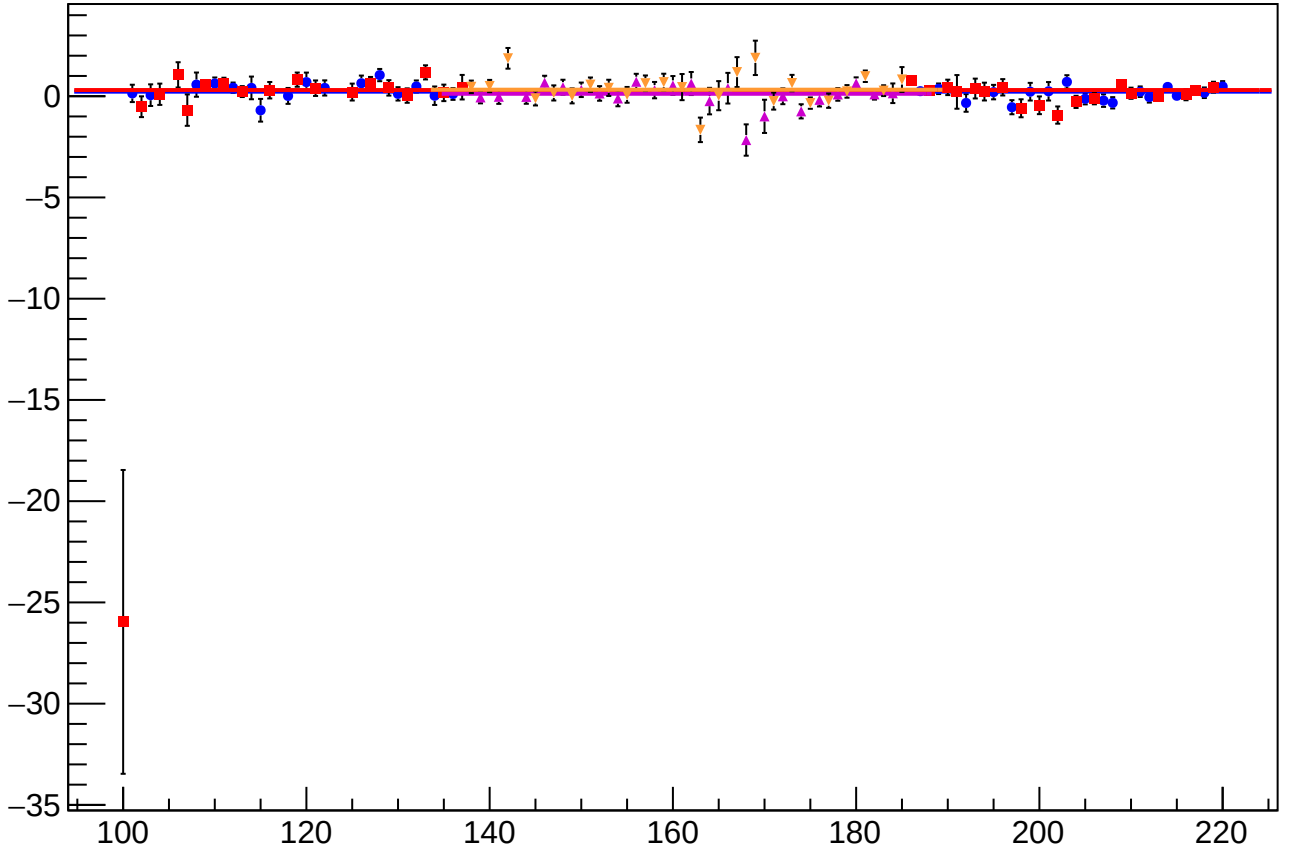
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.132+/-0.014 χ^2/NDF: 97722.9/57

All: -39.923+/-0.010 χ^2/NDF: 171196.3/116

- sign -39.710+/-0.014 χ^2/NDF: 73007.8/58

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.225+/-0.056 χ^2/NDF: 37.1/32

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.304+/-0.052 χ^2/NDF: 64.6/35

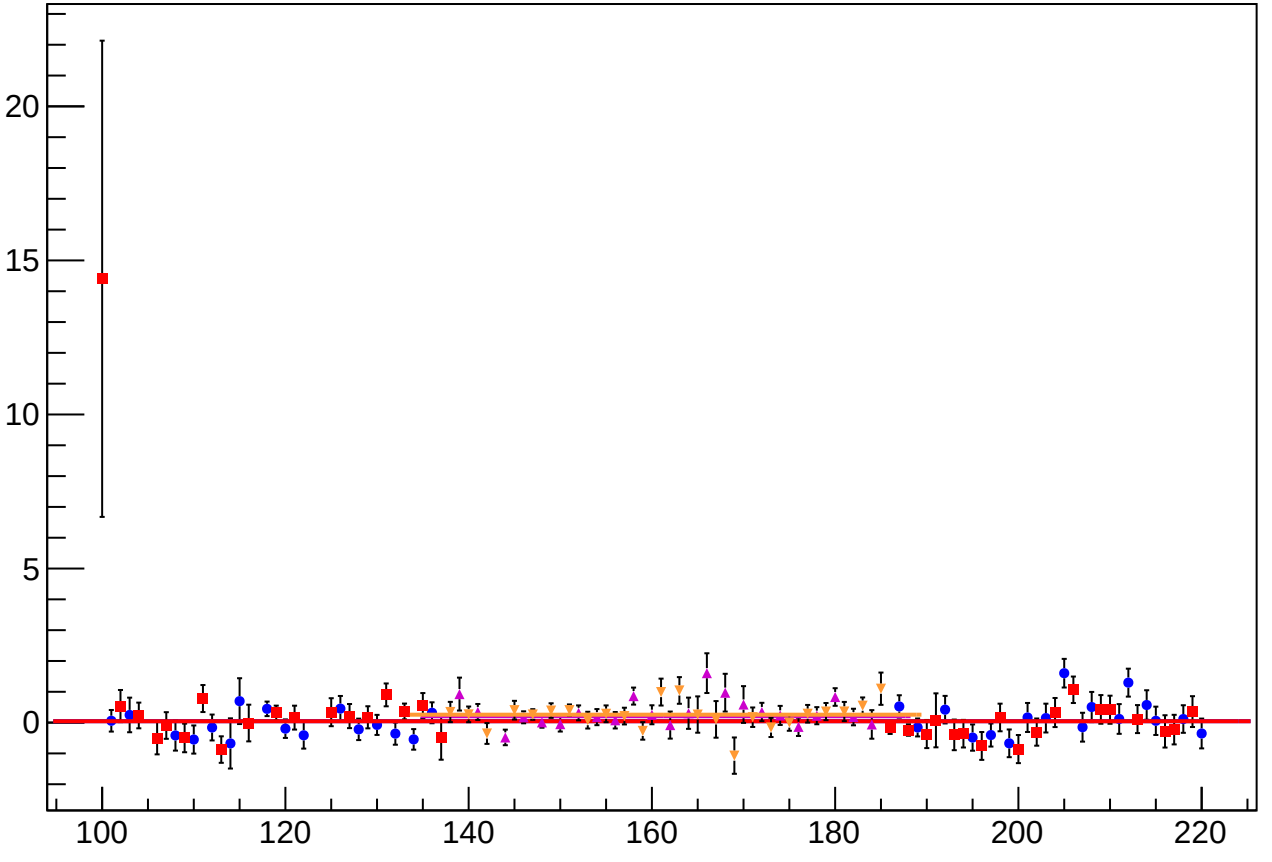
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.257+/-0.045 χ^2/NDF: 85.0/56

All: 0.253+/-0.031 χ^2/NDF: 183.3/115

- sign 0.249+/-0.043 χ^2/NDF: 98.3/58

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: 0.046+/-0.070 χ^2/NDF: 46.3/32

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.044+/-0.065 χ^2/NDF: 47.6/35

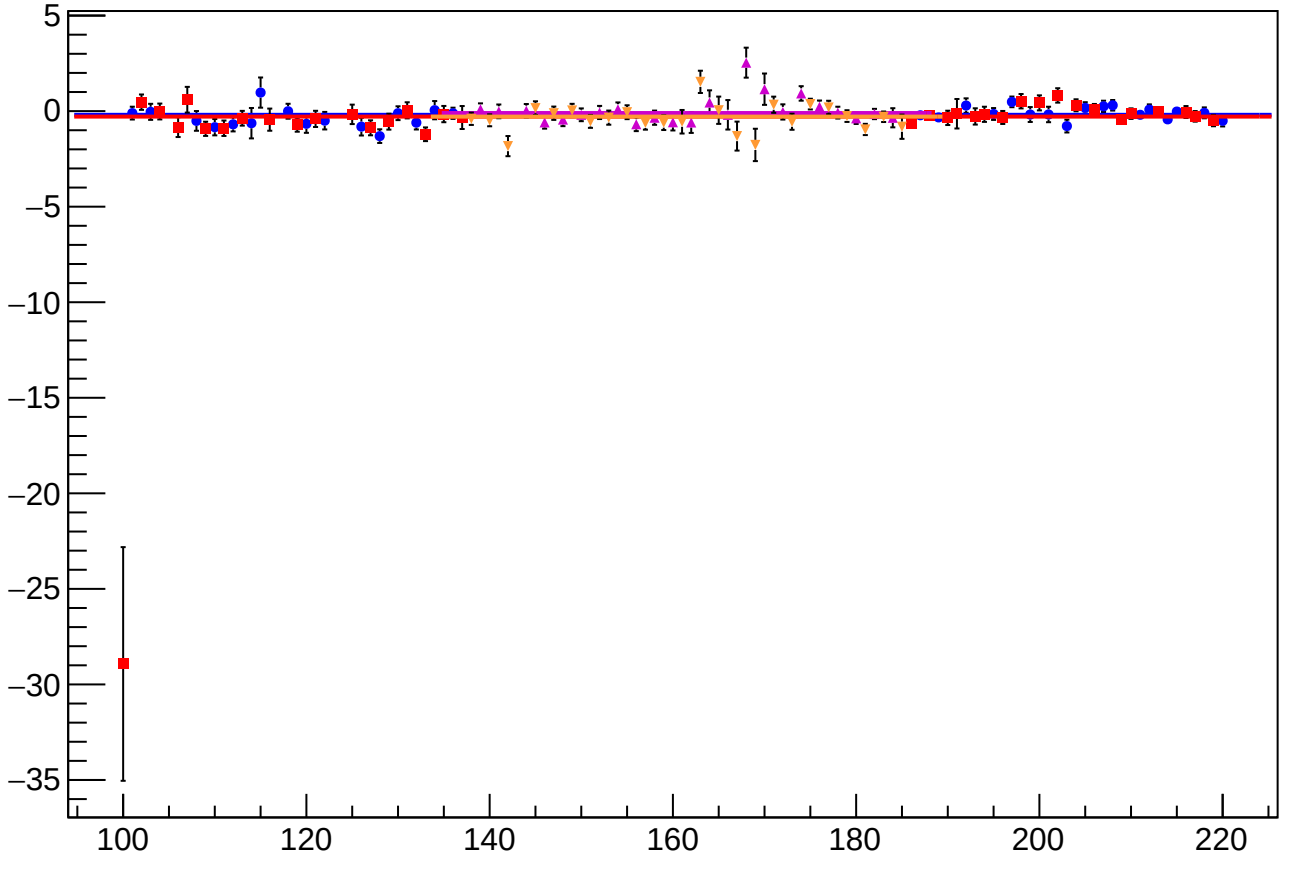
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.169+/-0.045 χ^2/NDF: 78.1/56

All: 0.150+/-0.032 χ^2/NDF: 161.3/115

- sign 0.132+/-0.044 χ^2/NDF: 82.8/58

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.193+/-0.056 χ^2/NDF: 43.6/32

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.286+/-0.051 χ^2/NDF: 77.9/35

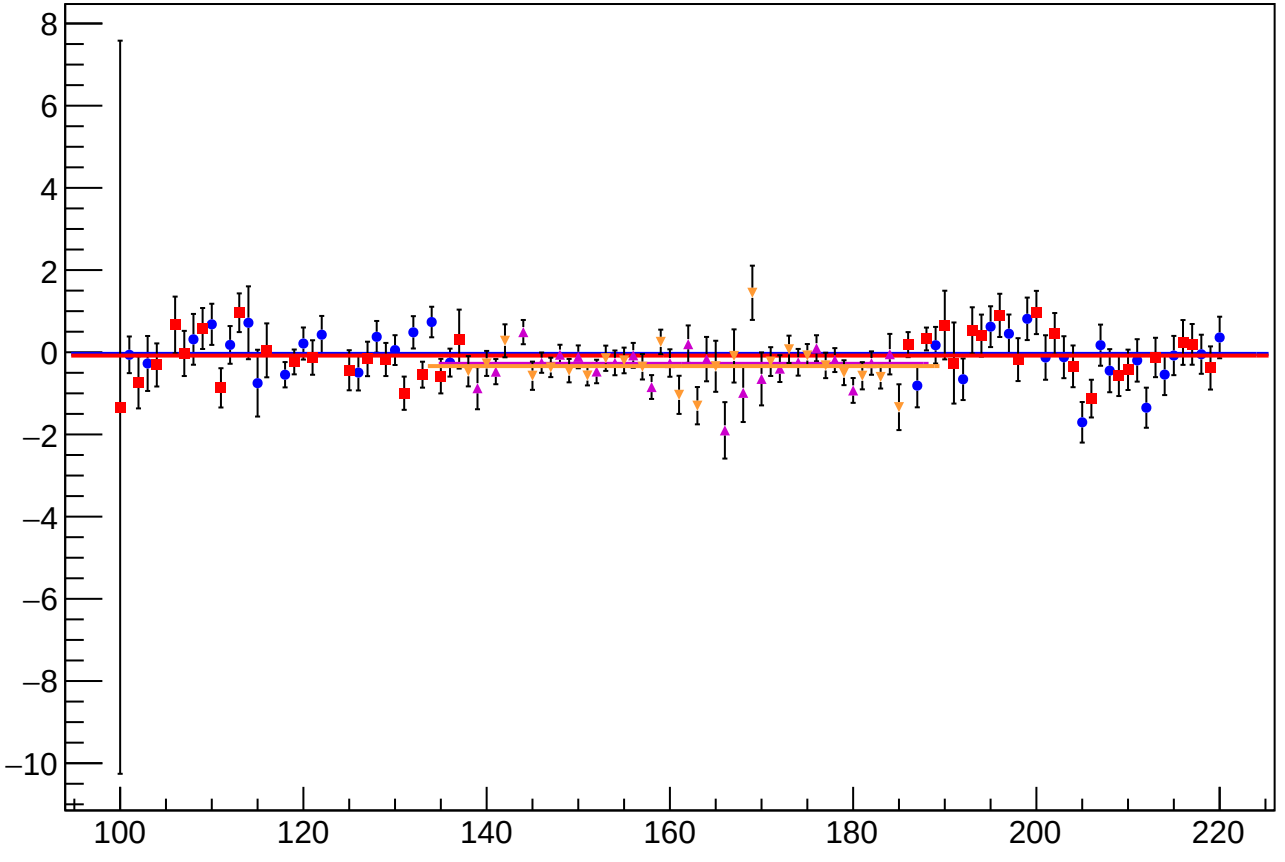
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.226+/-0.046 χ^2/NDF: 89.6/56

All: -0.229+/-0.031 χ^2/NDF: 204.7/115

- sign -0.231+/-0.043 χ^2/NDF: 115.1/58

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.040+/-0.081 χ^2/NDF: 47.9/32

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.081+/-0.078 χ^2/NDF: 44.0/35

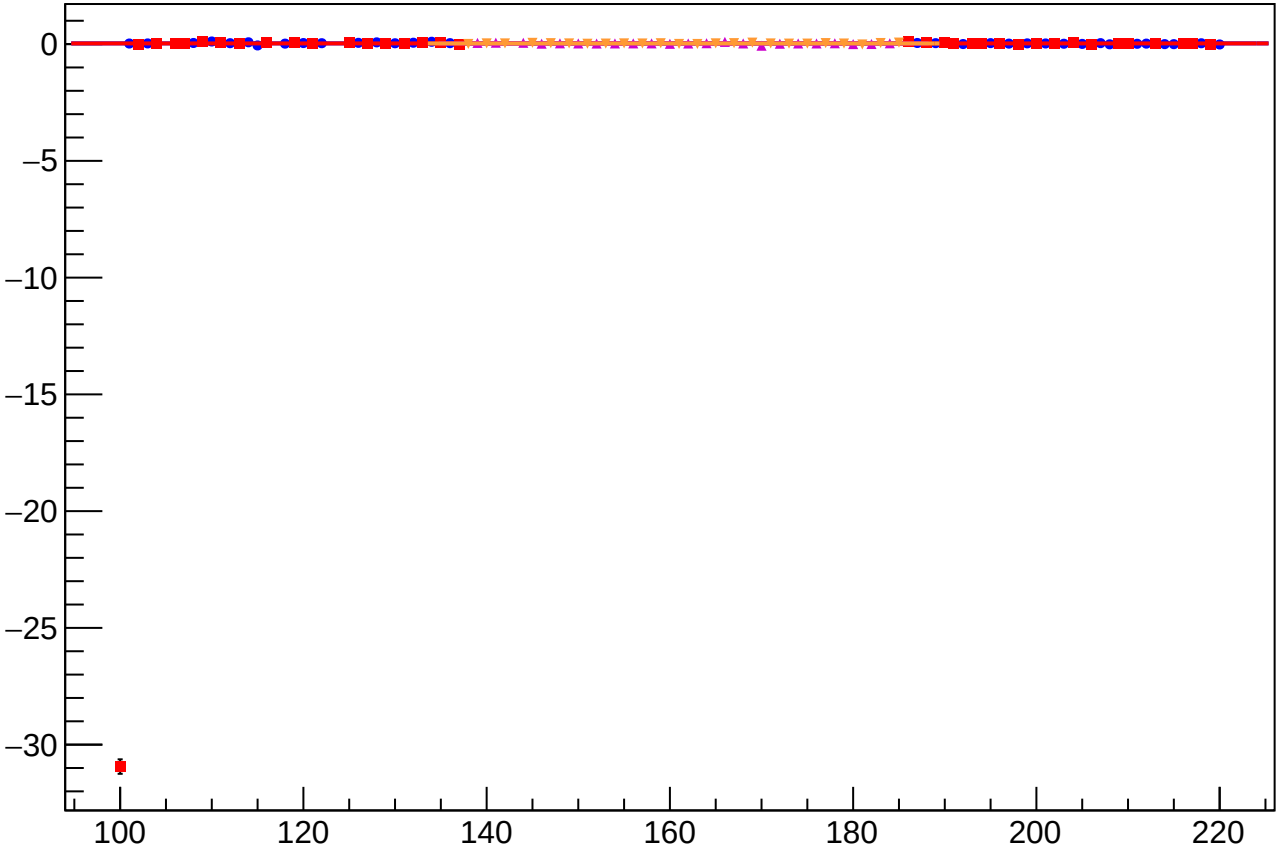
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.213+/-0.052 χ^2/NDF: 85.9/56

All: -0.204+/-0.037 χ^2/NDF: 162.7/115

- sign -0.194+/-0.052 χ^2/NDF: 76.7/58

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.032+/-0.004 χ^2/NDF: 43.0/32

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.030+/-0.004 χ^2/NDF: 10058.6/35

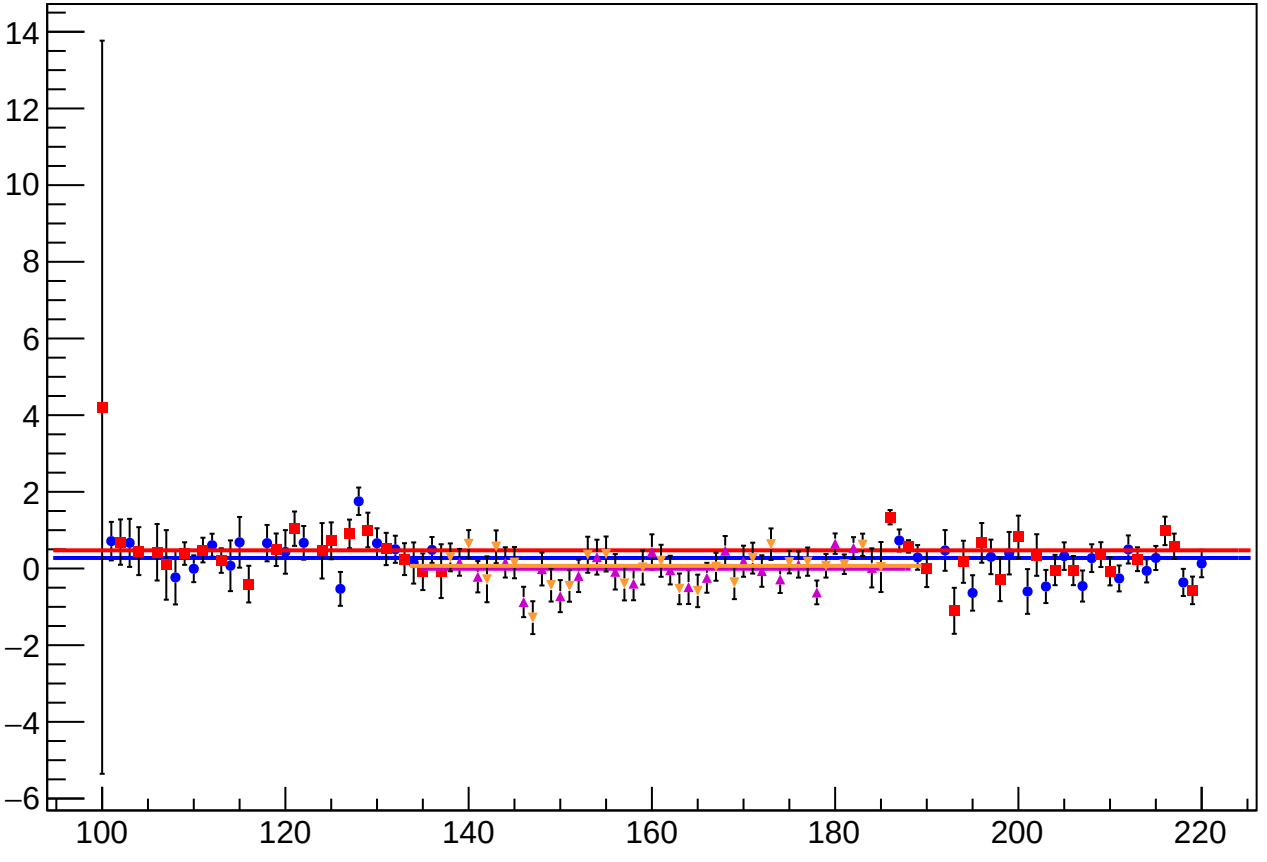
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

\+ sign 0.029+/-0.002 χ^2/NDF: 71.2/56

All: 0.029+/-0.002 χ^2/NDF: 10168.6/115

\- sign 0.029+/-0.002 χ^2/NDF: 10097.5/58

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.275+/-0.070 χ^2/NDF: 50.4/32

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.474+/-0.064 χ^2/NDF: 60.7/35

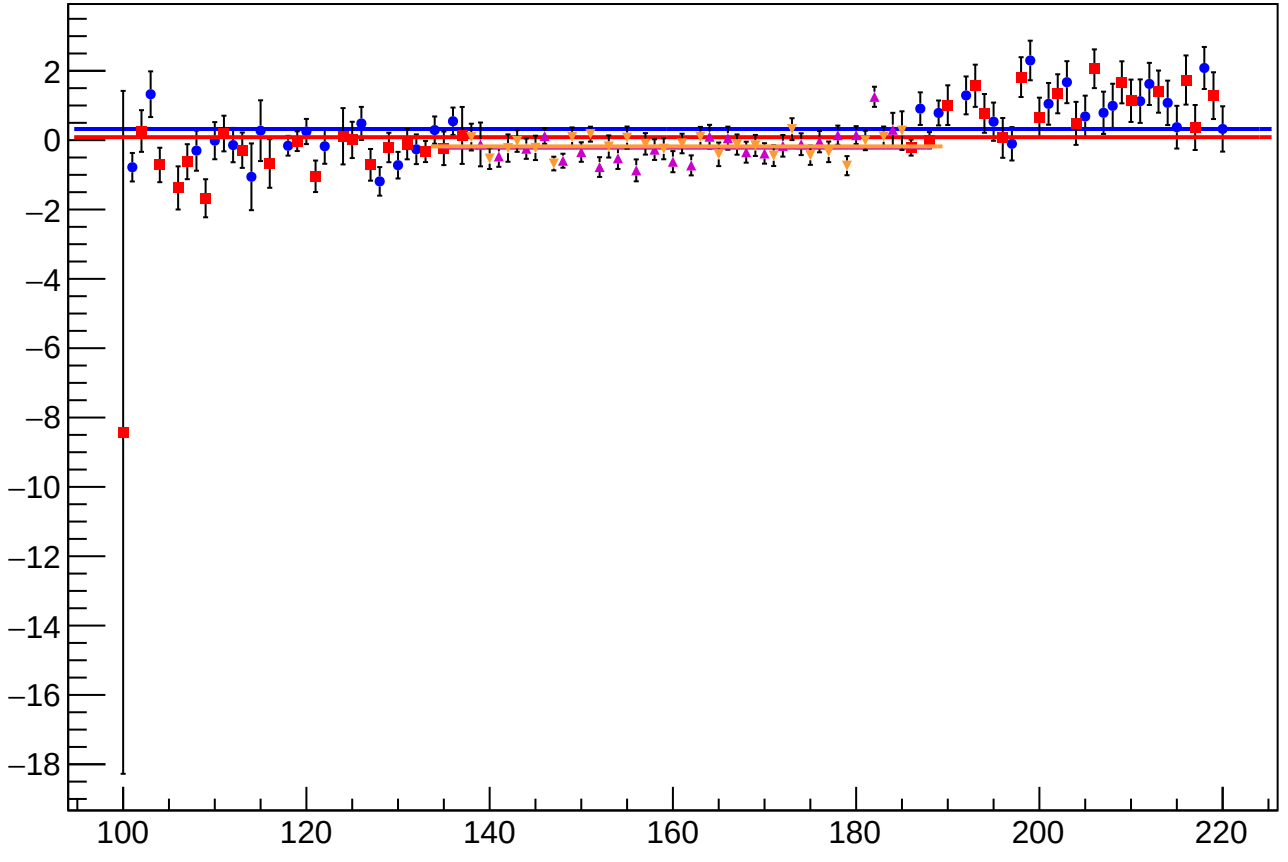
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

\+ sign 0.183+/-0.052 χ^2/NDF: 85.5/57

All: 0.236+/-0.036 χ^2/NDF: 199.0/116

\- sign 0.286+/-0.050 χ^2/NDF: 111.5/58

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.322+/-0.086 χ^2/NDF: 84.8/32

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: 0.086+/-0.079 χ^2/NDF: 98.3/35

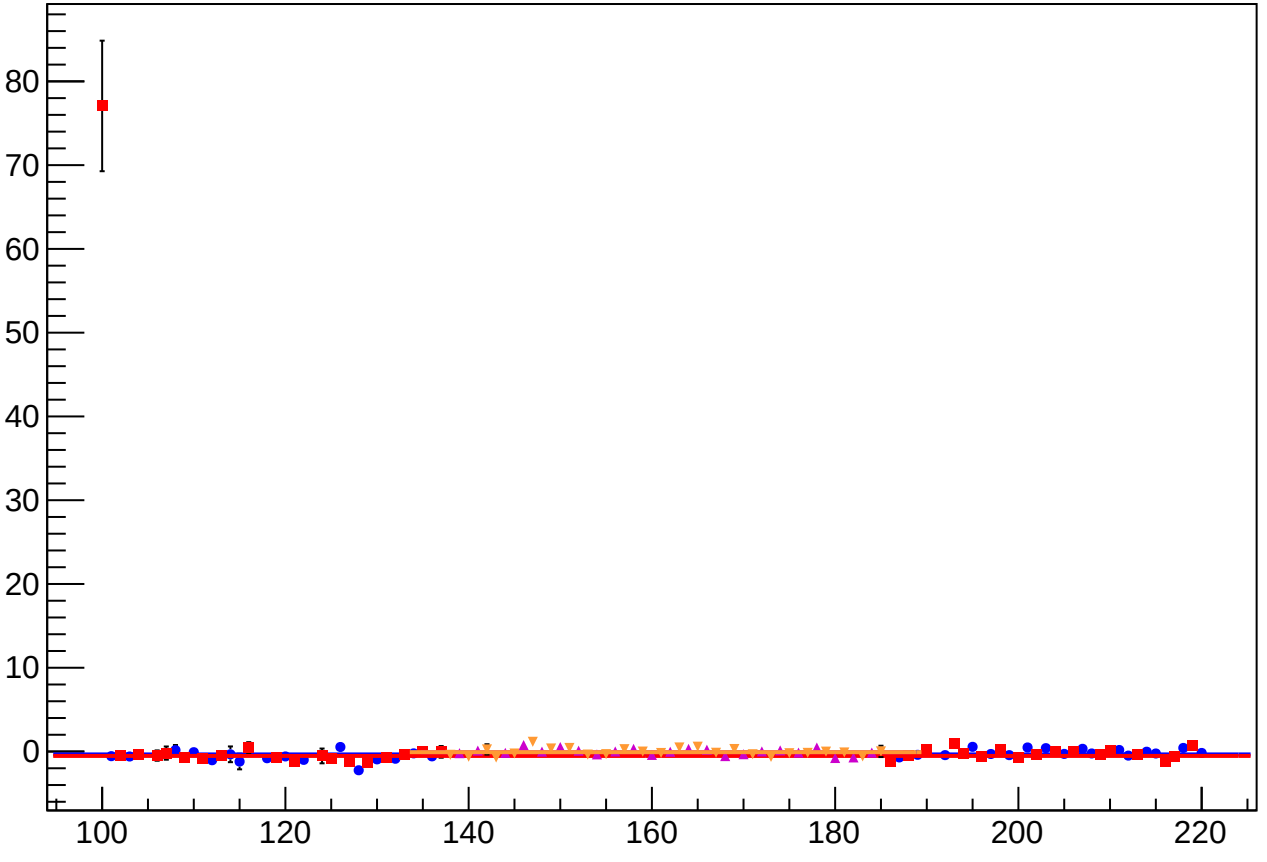
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.019+/-0.049 χ^2/NDF: 132.7/57

All: -0.060+/-0.034 χ^2/NDF: 295.1/116

- sign -0.102+/-0.049 χ^2/NDF: 160.9/58

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.348+/-0.071 χ^2/NDF: 57.8/32

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.526+/-0.062 χ^2/NDF: 161.3/35

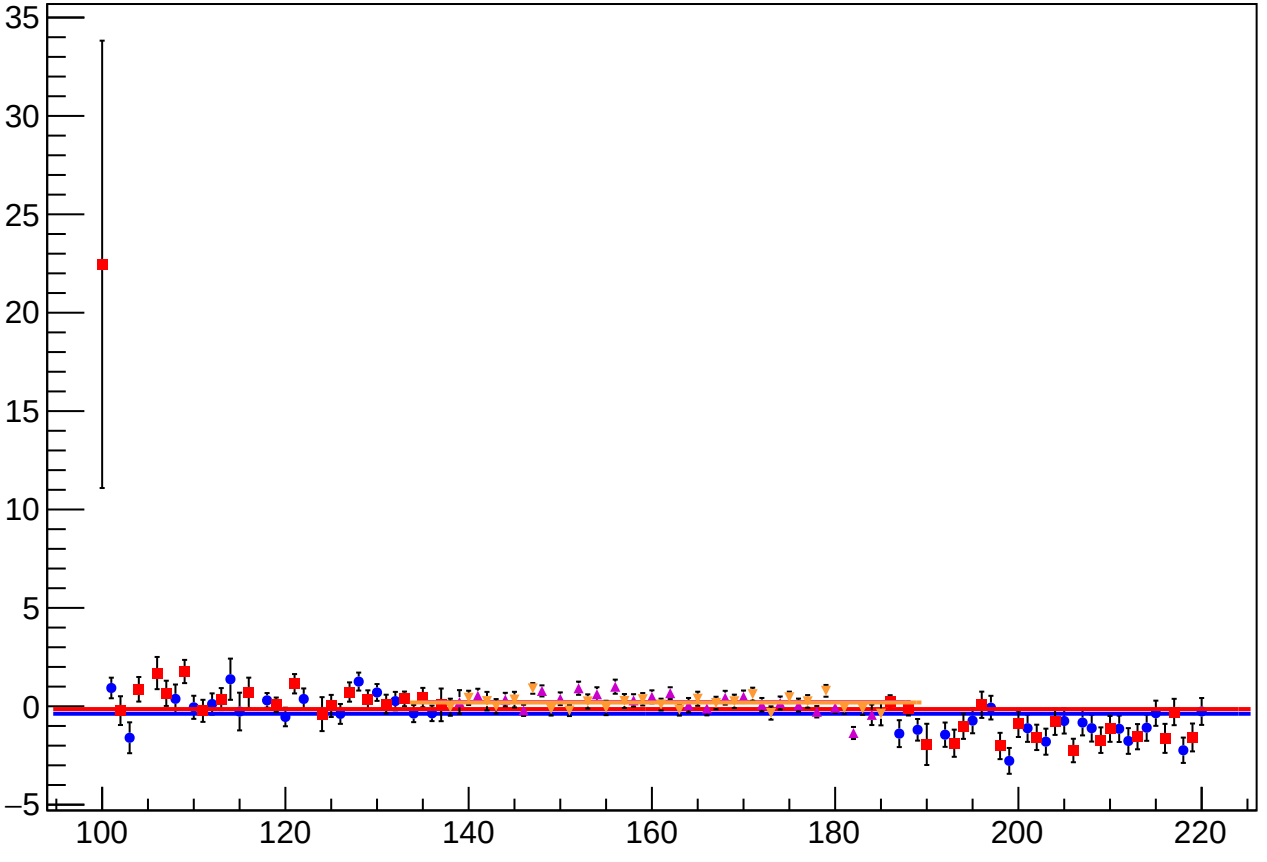
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.223+/-0.052 χ^2/NDF: 94.5/57

All: -0.292+/-0.036 χ^2/NDF: 307.6/116

- sign -0.353+/-0.049 χ^2/NDF: 209.8/58

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.379+/-0.099 χ^2/NDF: 84.4/32

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: -0.141+/-0.095 χ^2/NDF: 102.0/35

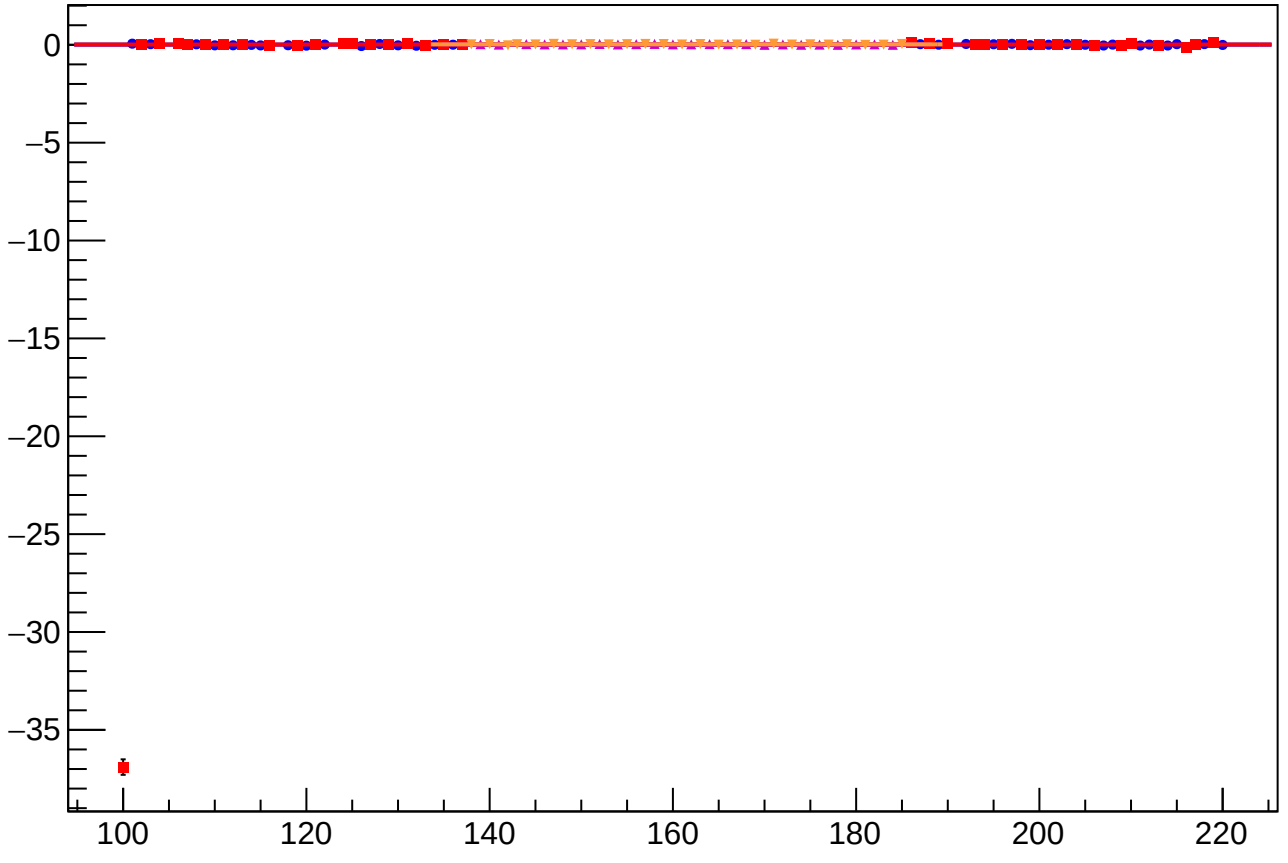
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.014+/-0.055 χ^2/NDF: 133.2/57

All: 0.053+/-0.039 χ^2/NDF: 300.4/116

- sign 0.092+/-0.056 χ^2/NDF: 166.2/58

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.010+/-0.005 χ^2/NDF: 37.5/32

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8799.8/35

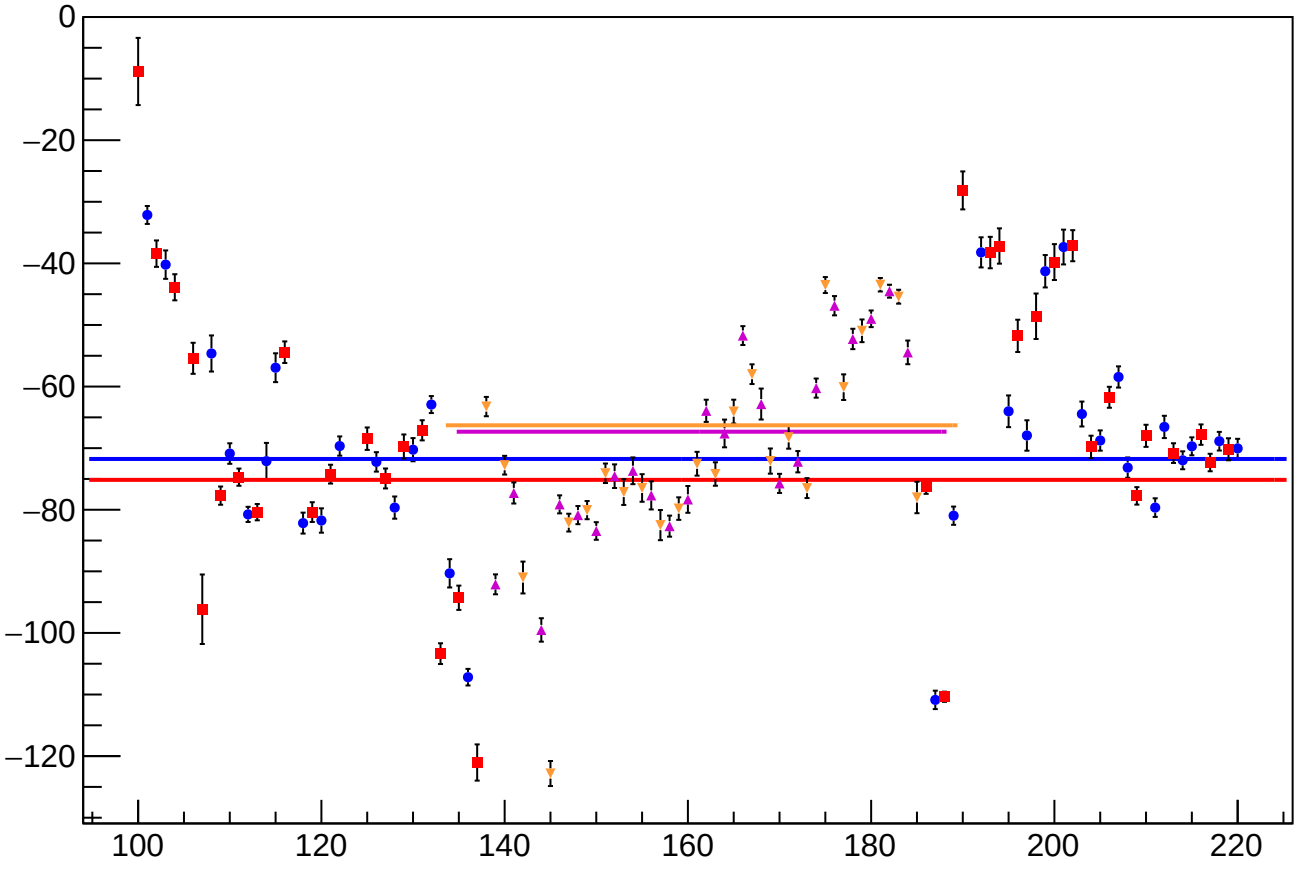
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.020+/-0.003 χ^2/NDF: 74.2/57

All: 0.021+/-0.002 χ^2/NDF: 8895.1/116

- sign 0.021+/-0.003 χ^2/NDF: 8820.8/58

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.755+/-0.303 χ^2/NDF: 3261.4/32

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -75.148+/-0.294 χ^2/NDF: 4629.6/34

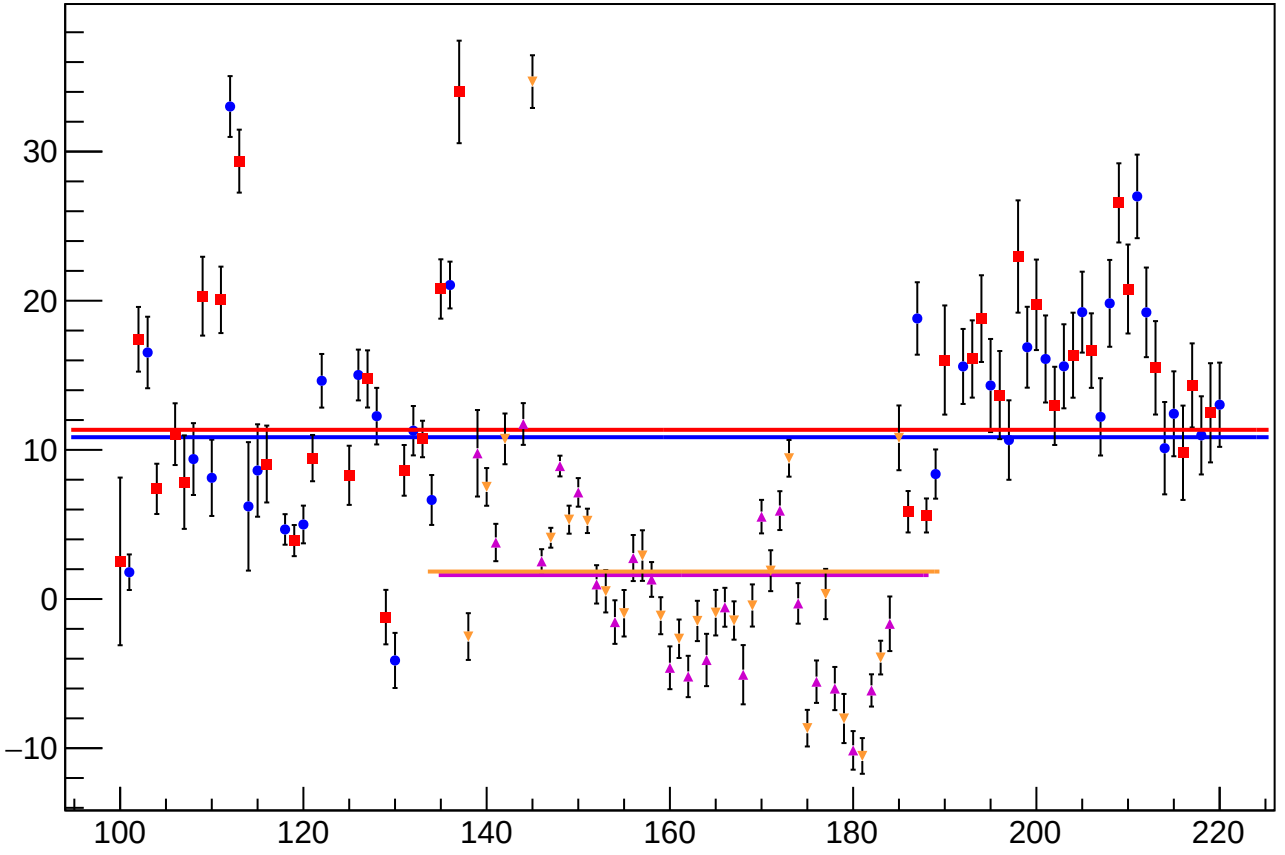
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.363+/-0.227 χ^2/NDF: 5953.9/56

All: -70.629+/-0.160 χ^2/NDF: 13044.1/114

- sign -71.856+/-0.224 χ^2/NDF: 7029.2/57

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 10.850+/-0.354 χ^2/NDF: 457.9/32

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 11.345+/-0.349 χ^2/NDF: 415.7/34

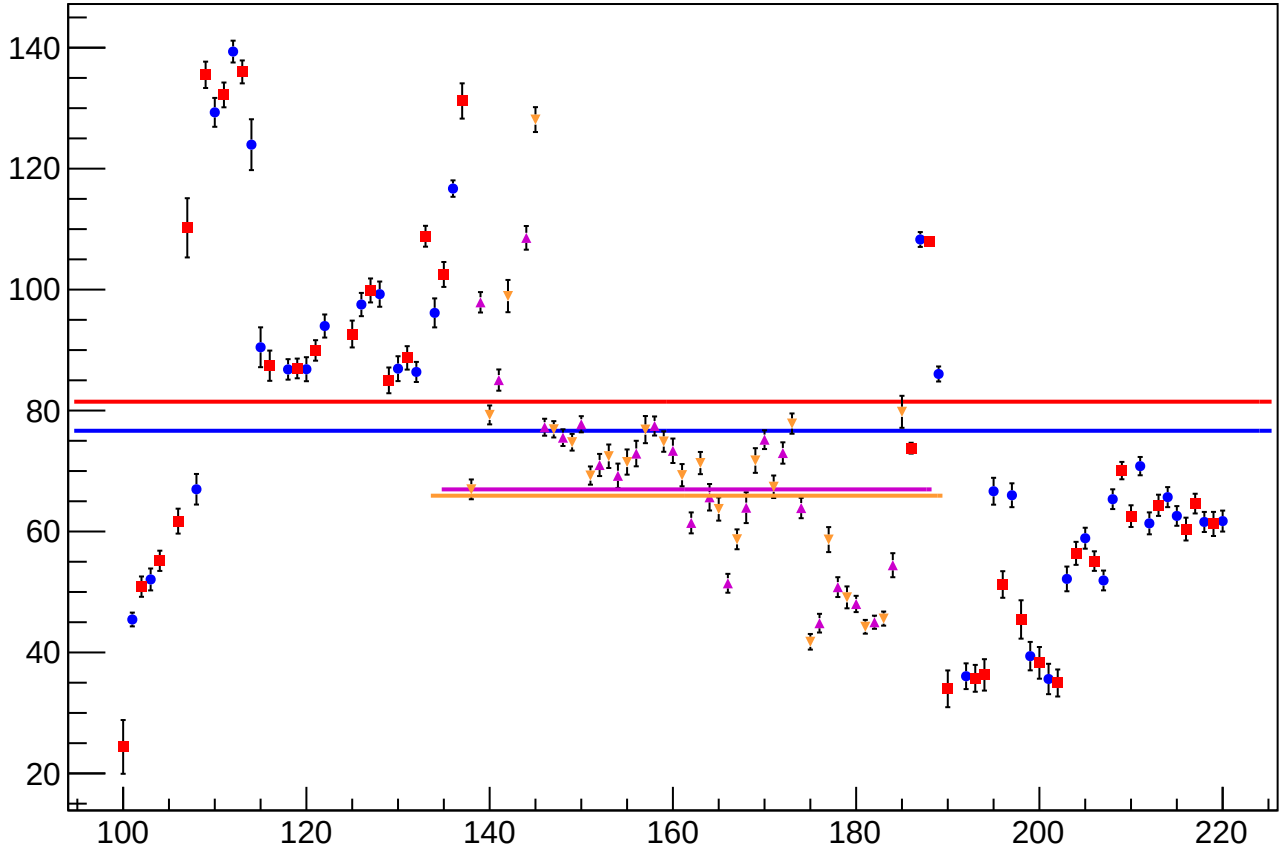
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.913+/-0.207 χ^2/NDF: 1666.7/56

All: 4.980+/-0.146 χ^2/NDF: 3081.4/114

- sign 5.048+/-0.208 χ^2/NDF: 1414.5/57

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 76.657+/-0.310 χ^2/NDF: 6697.8/32

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 81.466+/-0.294 χ^2/NDF: 8436.0/34

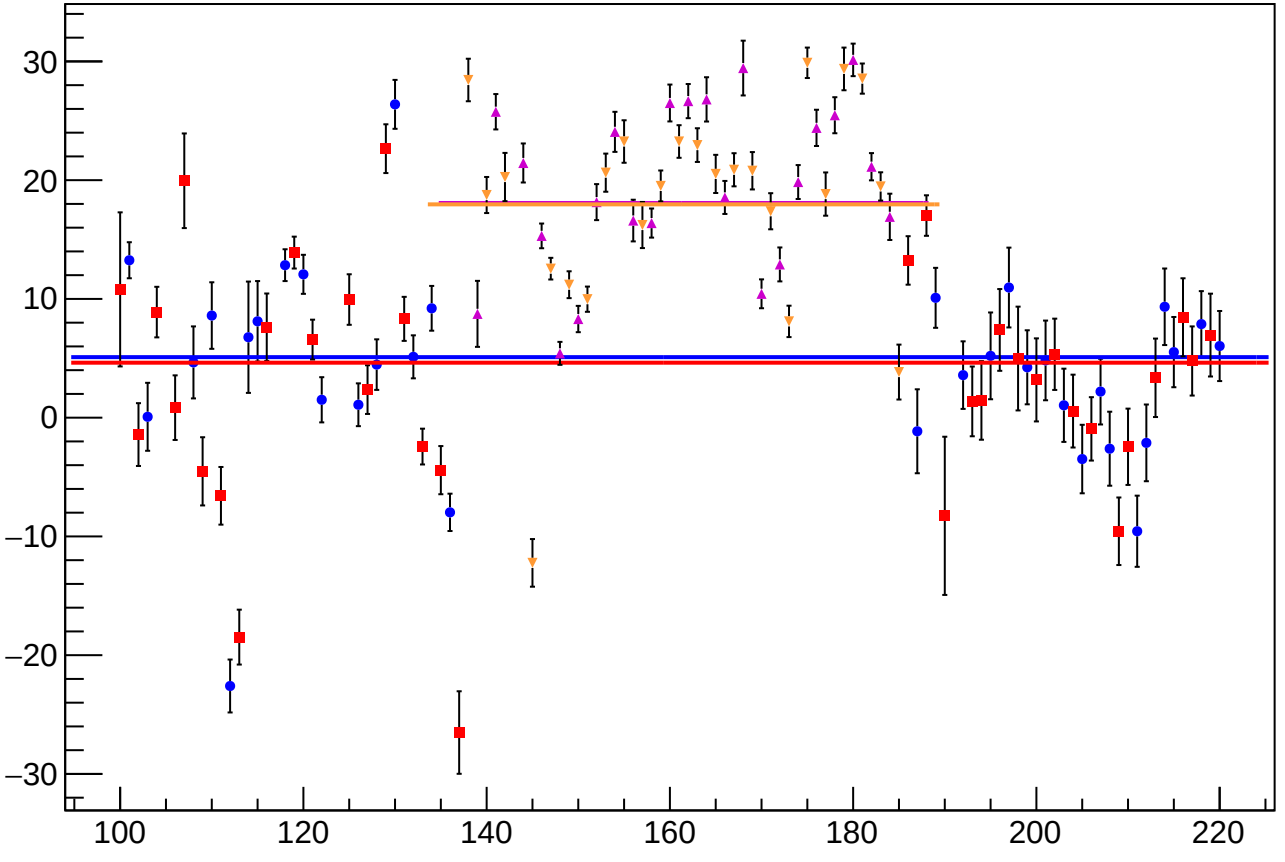
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 71.786+/-0.229 χ^2/NDF: 9796.2/56

All: 73.593+/-0.160 χ^2/NDF: 21611.4/114

- sign 75.294+/-0.223 χ^2/NDF: 11694.8/57

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.097+/-0.411 χ^2/NDF: 489.8/32

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 4.630+/-0.414 χ^2/NDF: 534.3/34

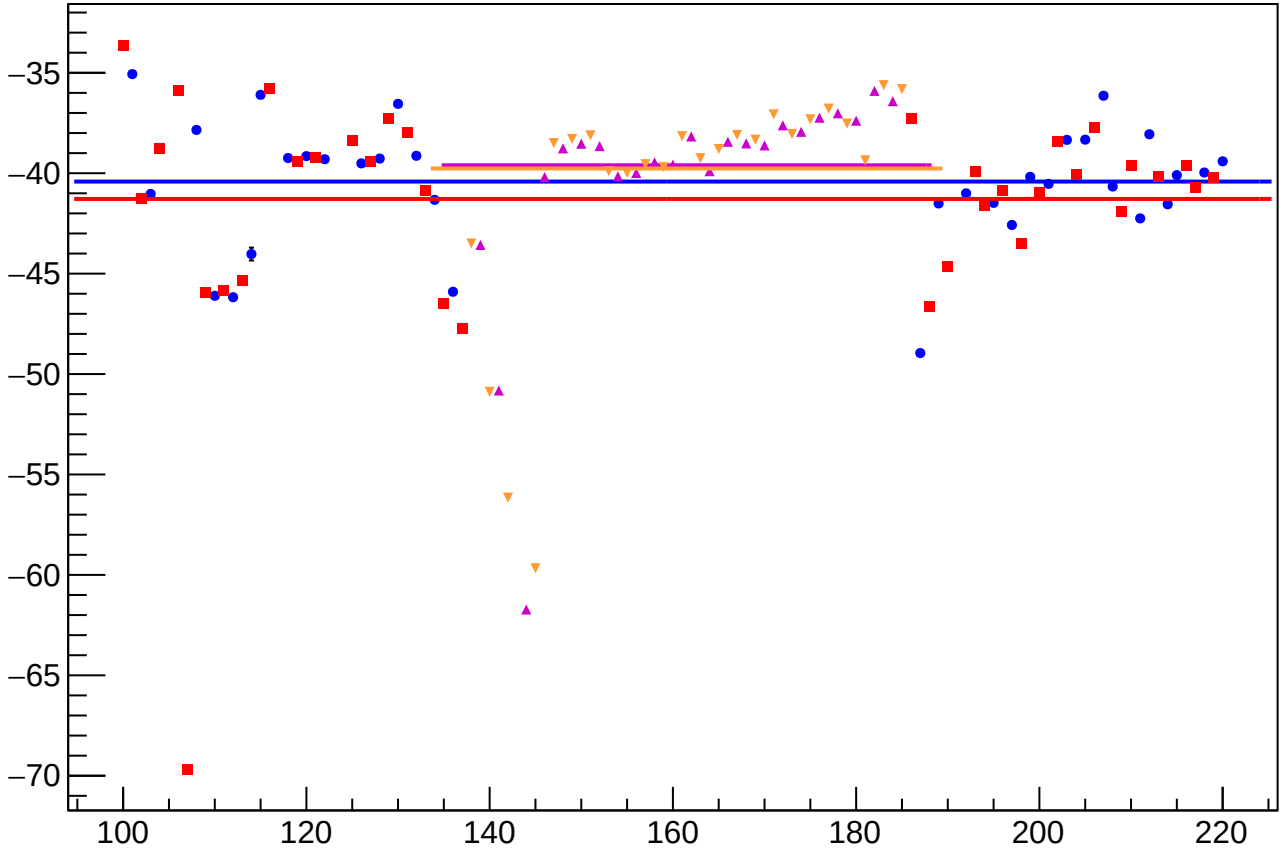
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 13.647+/-0.238 χ^2/NDF: 1873.5/56

All: 13.598+/-0.169 χ^2/NDF: 3713.9/114

- sign 13.548+/-0.240 χ^2/NDF: 1840.3/57

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.416+/-0.020 χ^2/NDF: 23376.4/32

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.280+/-0.021 χ^2/NDF: 44950.1/34

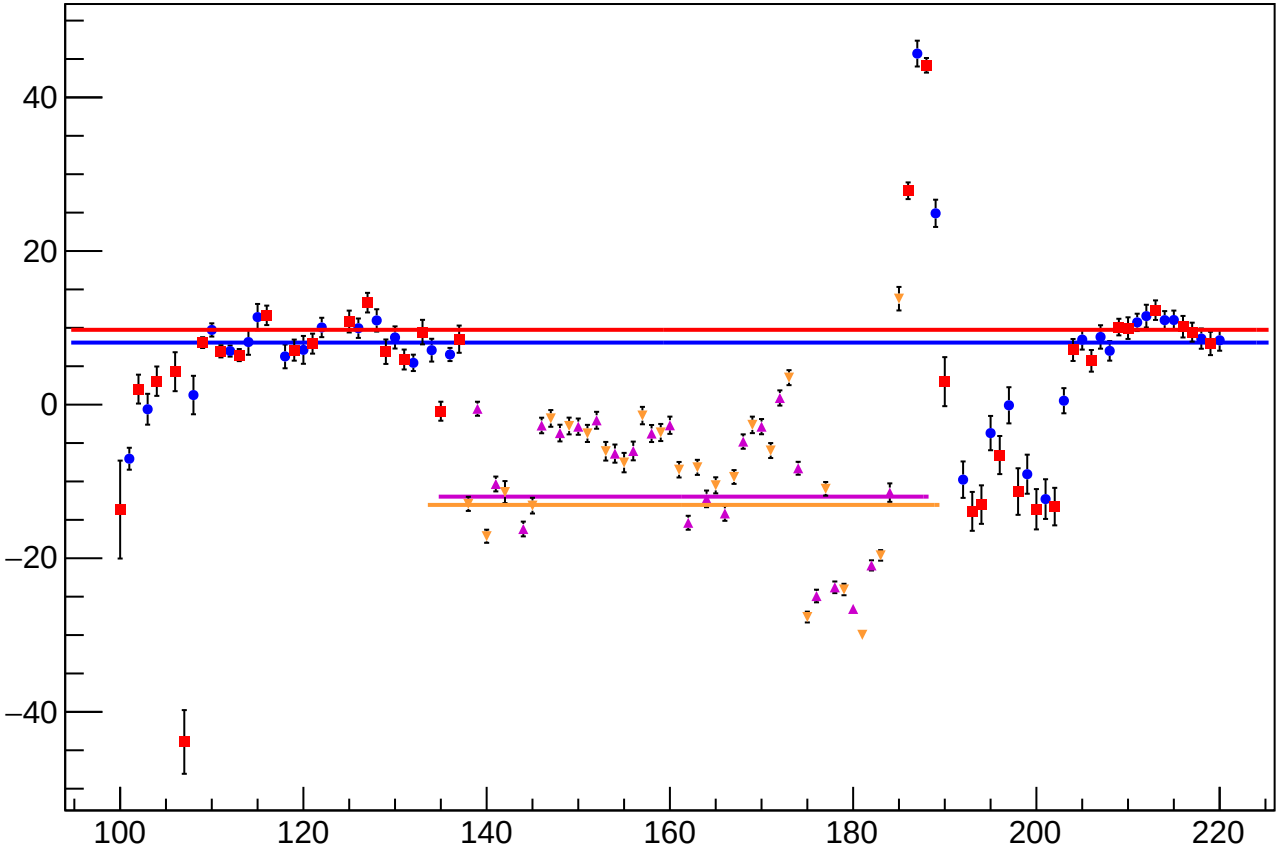
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.962+/-0.011 χ^2/NDF: 153978.6/56

All: -40.032+/-0.008 χ^2/NDF: 310280.2/114

- sign -40.101+/-0.011 χ^2/NDF: 156224.8/57

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 8.079+/-0.237 χ^2/NDF: 1008.3/32

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.742+/-0.231 χ^2/NDF: 2392.9/34

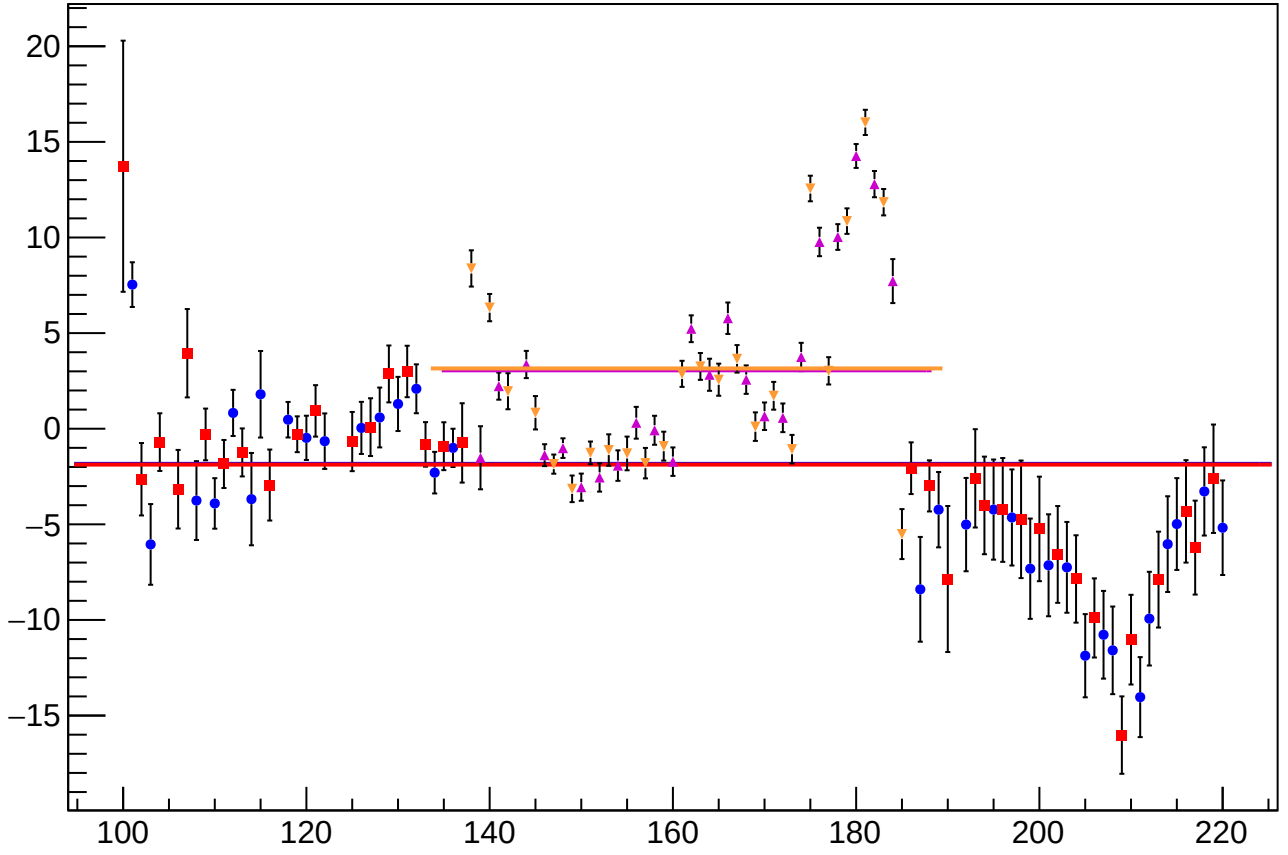
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

\+ sign -4.657+/-0.150 χ^2/NDF: 8651.7/56

All: -3.780+/-0.106 χ^2/NDF: 18444.8/114

\- sign -2.908+/-0.149 χ^2/NDF: 9724.6/57

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -1.838+/-0.287 χ^2/NDF: 238.1/32

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.875+/-0.290 χ^2/NDF: 155.9/34

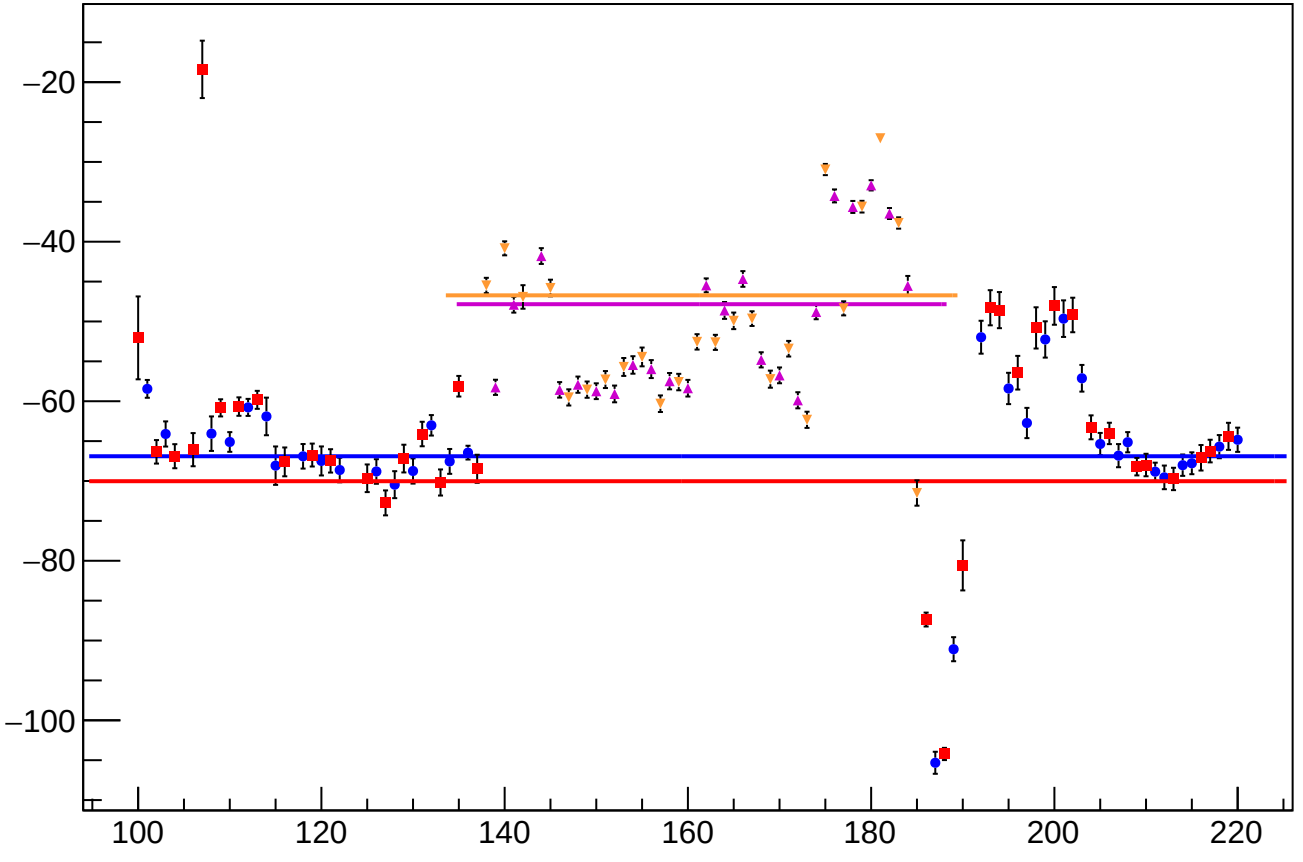
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.095+/-0.132 χ^2/NDF: 1860.7/56

All: 2.045+/-0.094 χ^2/NDF: 3388.5/114

- sign 1.993+/-0.135 χ^2/NDF: 1527.5/57

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -66.896+/-0.256 χ^2/NDF: 1372.4/32

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.025+/-0.249 χ^2/NDF: 3498.2/34

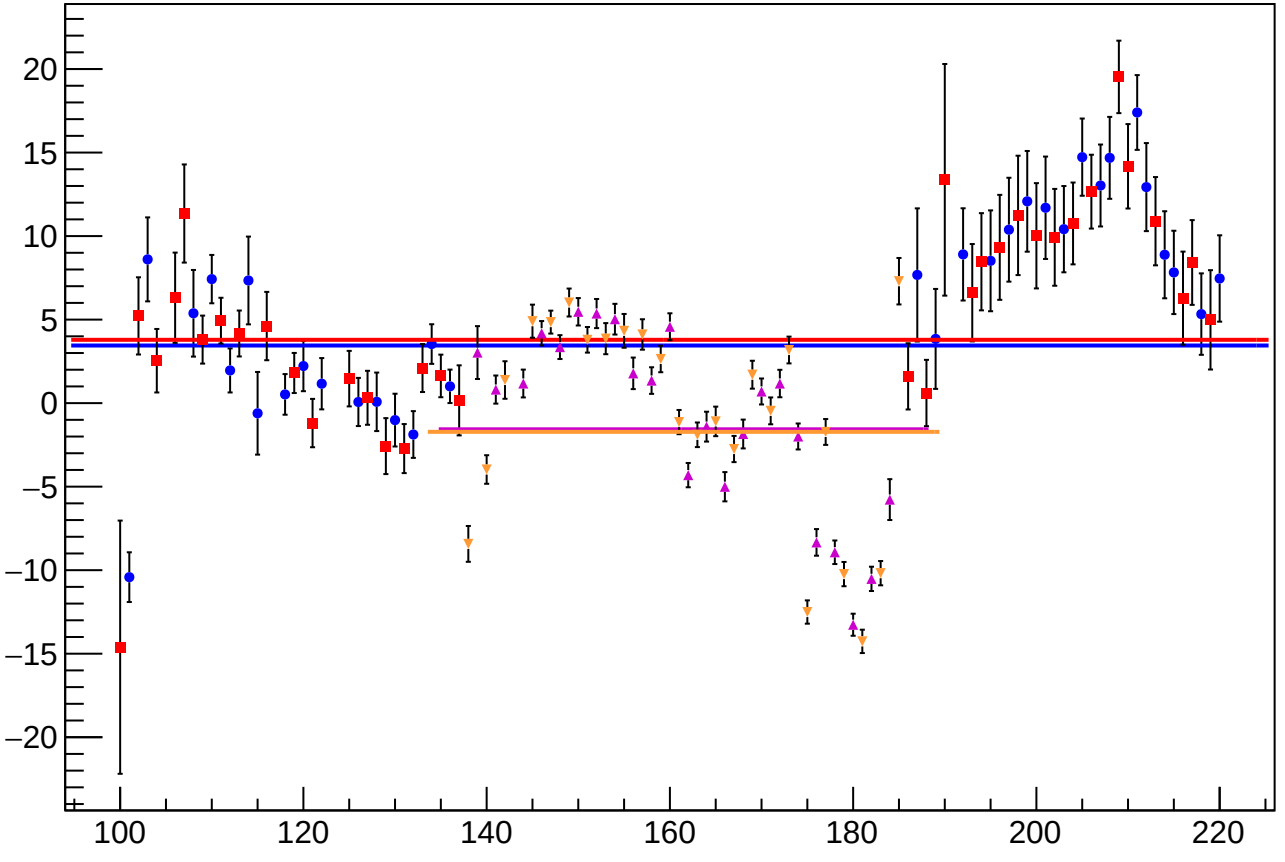
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

+ sign -53.980+/-0.153 χ^2/NDF: 8807.8/56

All: -55.086+/-0.108 χ^2/NDF: 19901.3/114

- sign -56.190+/-0.153 χ^2/NDF: 10989.5/57

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 3.449+/-0.325 χ^2/NDF: 309.4/32

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 3.791+/-0.333 χ^2/NDF: 208.0/34

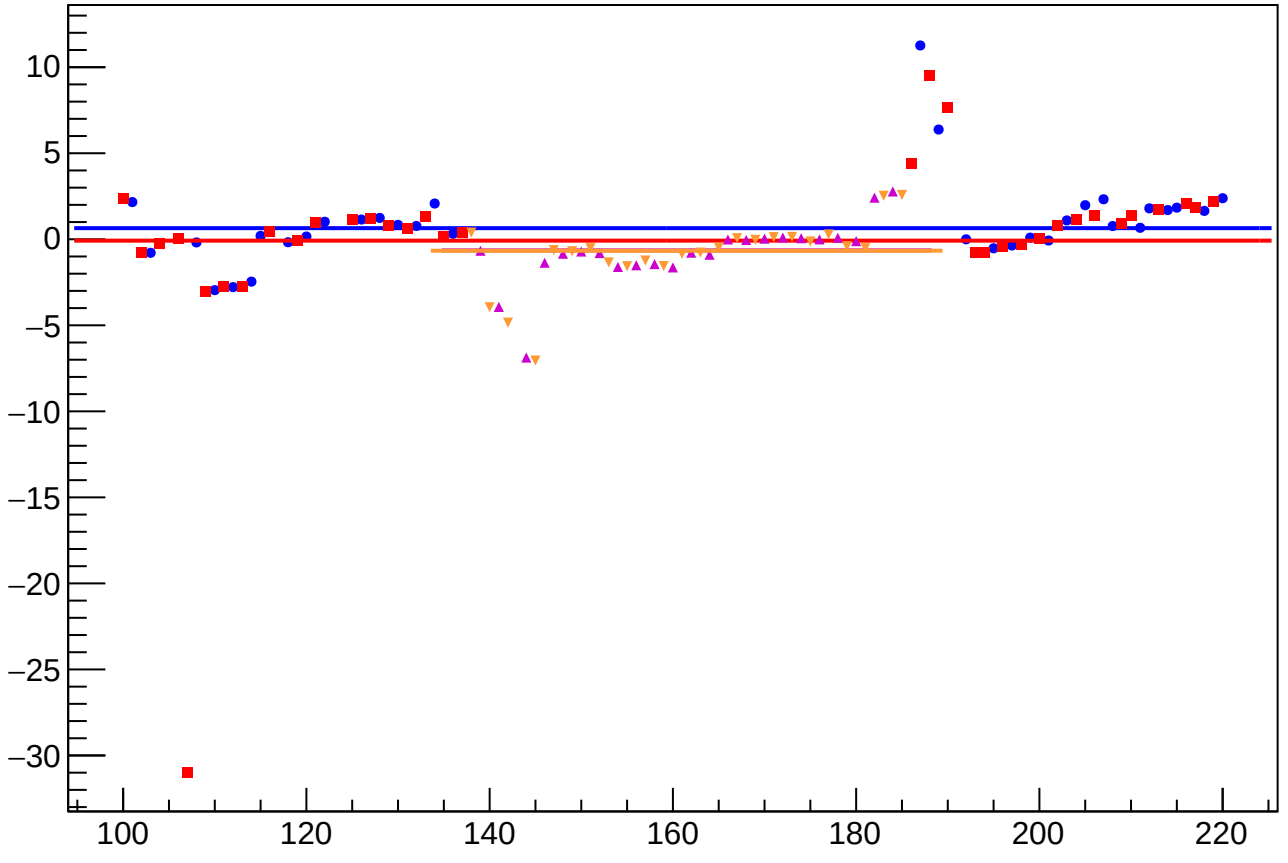
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -0.631+/-0.149 χ^2/NDF: 1915.0/56

All: -0.543+/-0.106 χ^2/NDF: 3446.6/114

- sign -0.451+/-0.152 χ^2/NDF: 1530.9/57

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.647+/-0.016 χ^2/NDF: 10718.5/32

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.080+/-0.017 χ^2/NDF: 61787.0/34

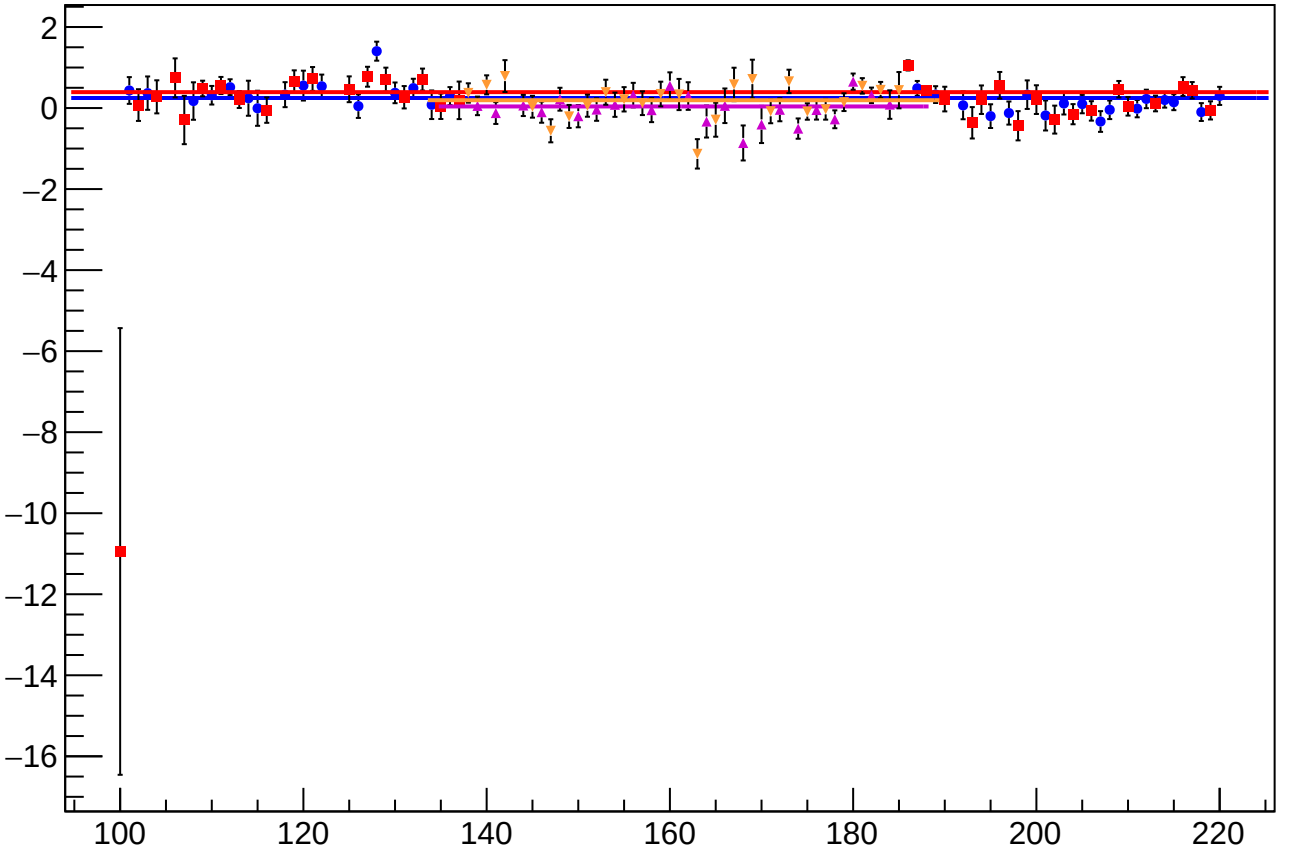
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.439+/-0.007 χ^2/NDF: 71272.7/56

All: -0.495+/-0.005 χ^2/NDF: 179699.4/114

- sign -0.552+/-0.007 χ^2/NDF: 108289.9/57

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.248+/-0.045 χ^2/NDF: 50.3/32

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.392+/-0.041 χ^2/NDF: 78.0/34

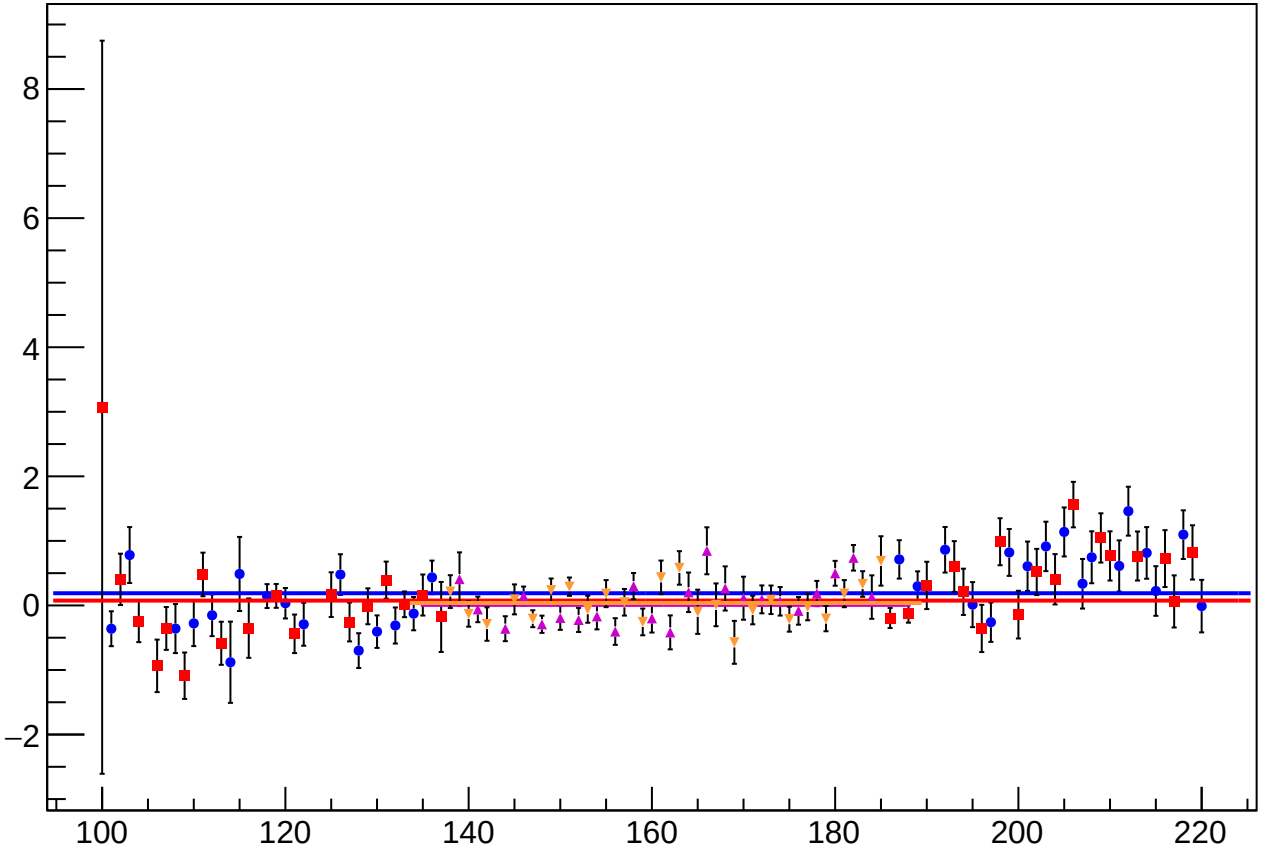
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.227+/-0.035 χ^2/NDF: 95.1/56

All: 0.251+/-0.024 χ^2/NDF: 229.3/114

- sign 0.273+/-0.034 χ^2/NDF: 133.4/57

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.189+/-0.055 χ^2/NDF: 86.0/32

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.075+/-0.052 χ^2/NDF: 86.2/34

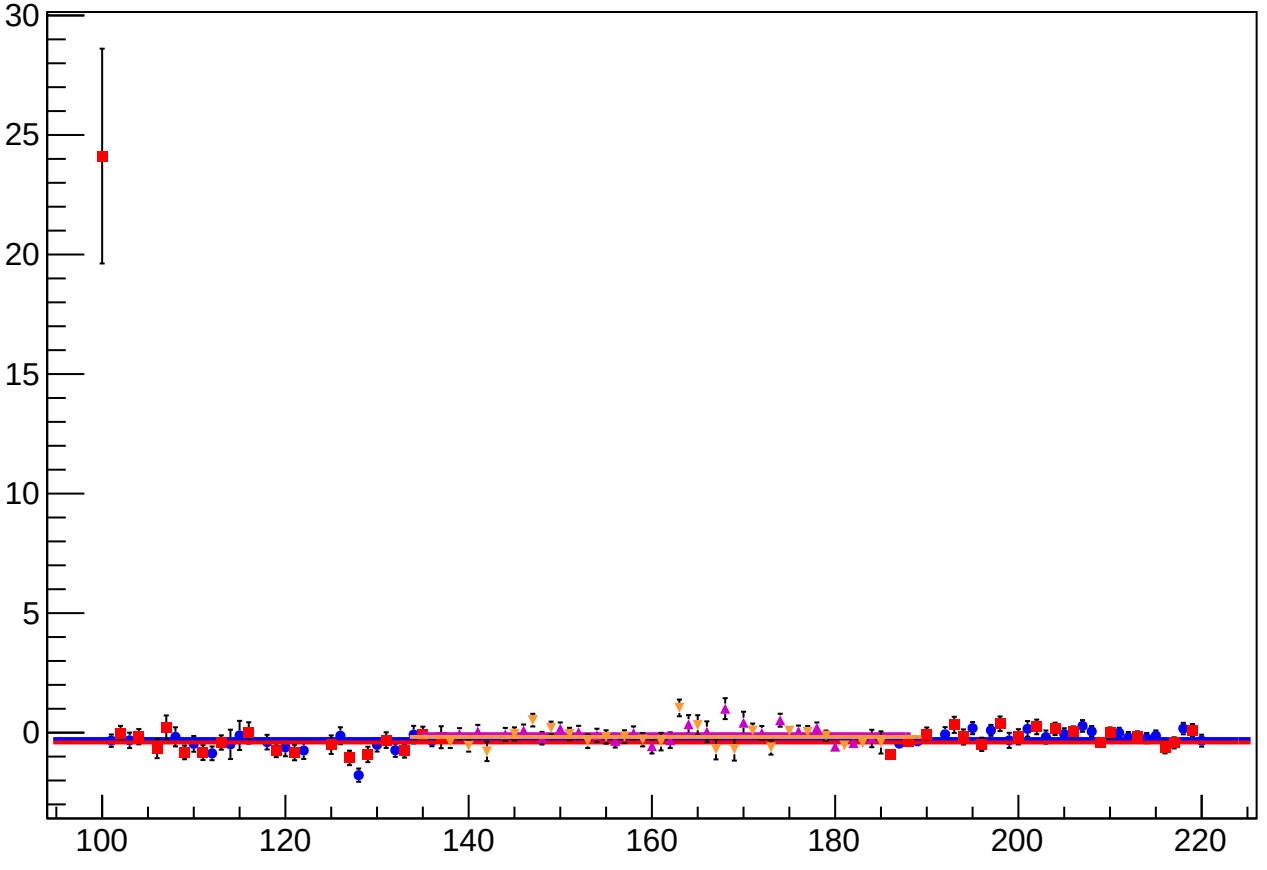
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.095+/-0.034 χ^2/NDF: 123.3/56

All: 0.065+/-0.024 χ^2/NDF: 263.4/114

- sign 0.037+/-0.034 χ^2/NDF: 138.5/57

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.268+/-0.045 χ^2/NDF: 64.9/32

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.409+/-0.040 χ^2/NDF: 110.6/34

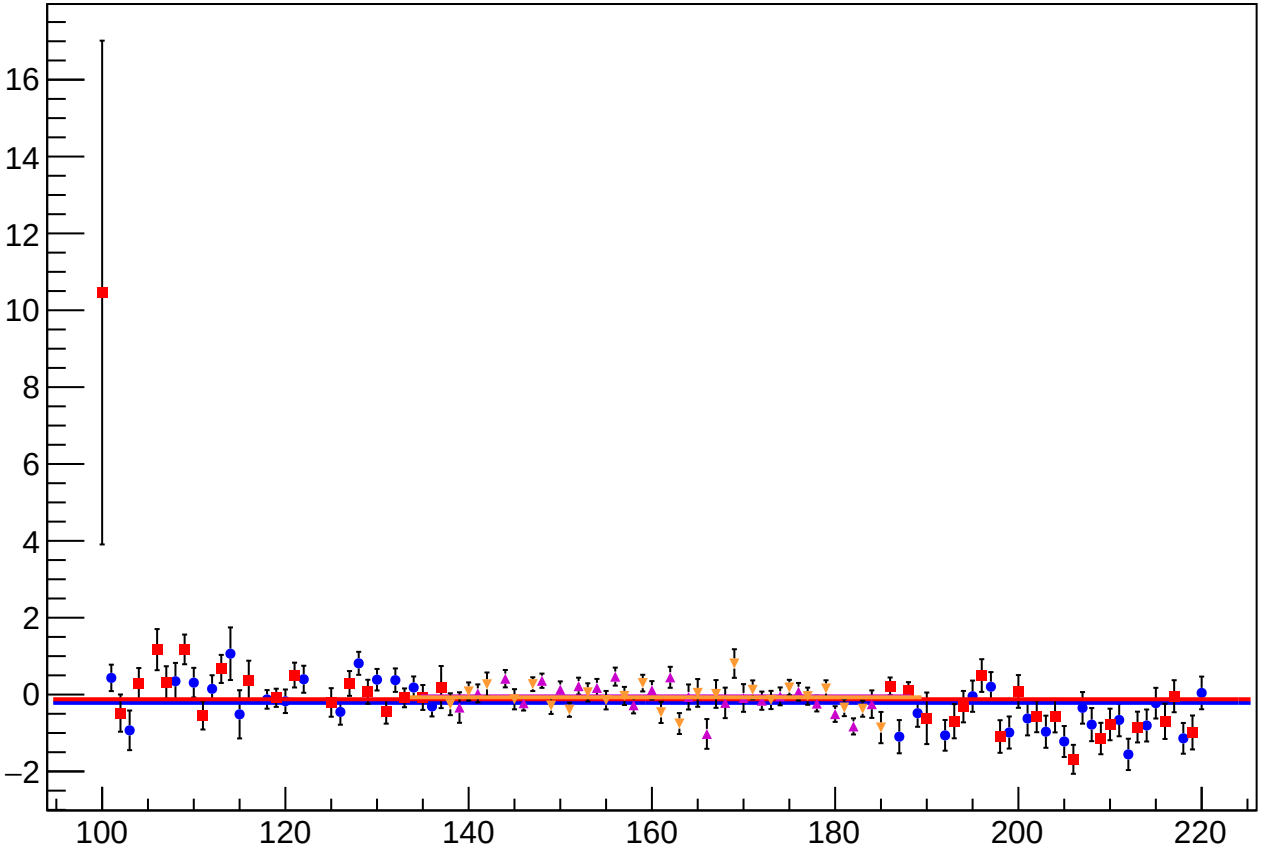
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.233+/-0.035 χ^2/NDF: 108.6/56

All: -0.266+/-0.024 χ^2/NDF: 276.4/114

- sign -0.294+/-0.033 χ^2/NDF: 166.2/57

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.215+/-0.064 χ^2/NDF: 85.2/32

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.122+/-0.062 χ^2/NDF: 86.8/34

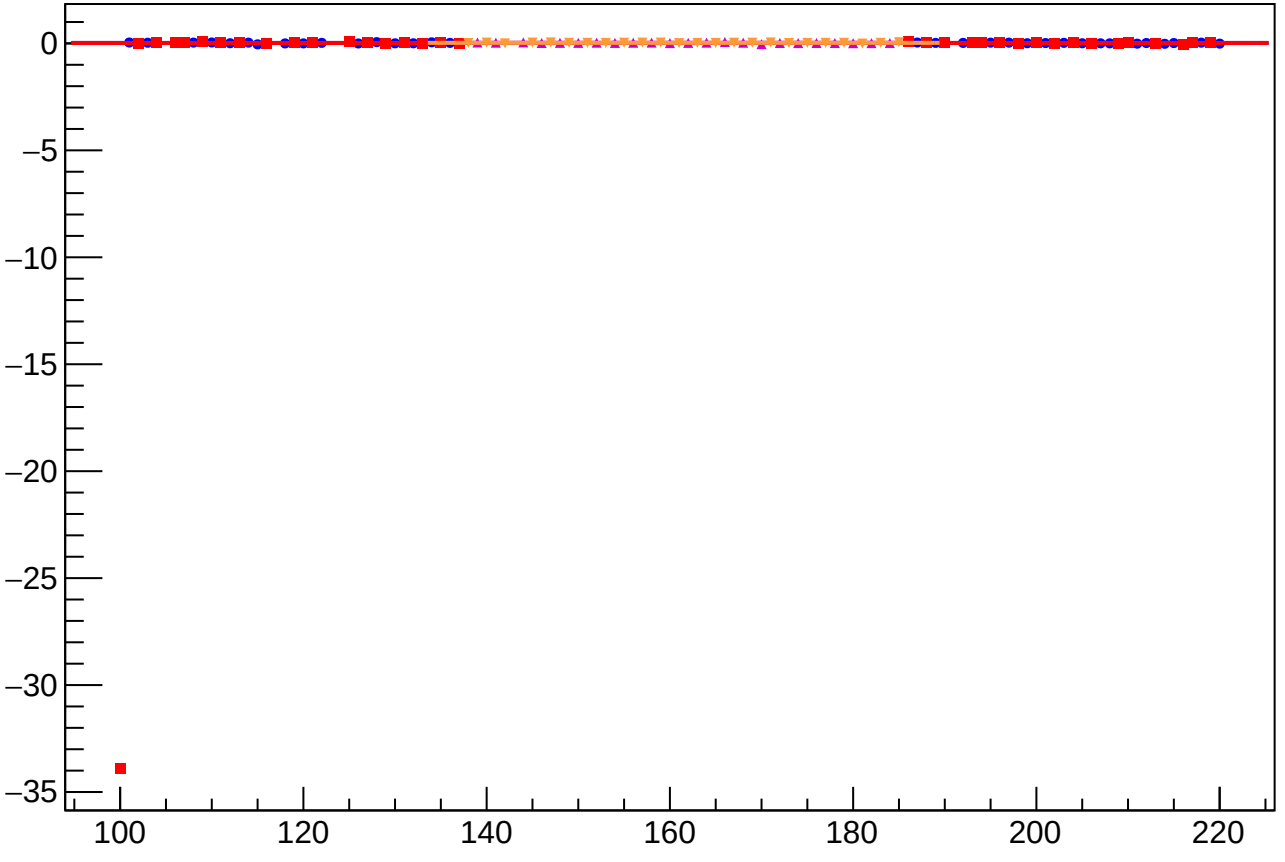
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.125+/-0.039 χ^2/NDF: 126.1/56

All: -0.101+/-0.028 χ^2/NDF: 265.0/114

- sign -0.077+/-0.039 χ^2/NDF: 138.1/57

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.021+/-0.003 χ^2/NDF: 32.0/32

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.021+/-0.003 χ^2/NDF: 22326.5/34

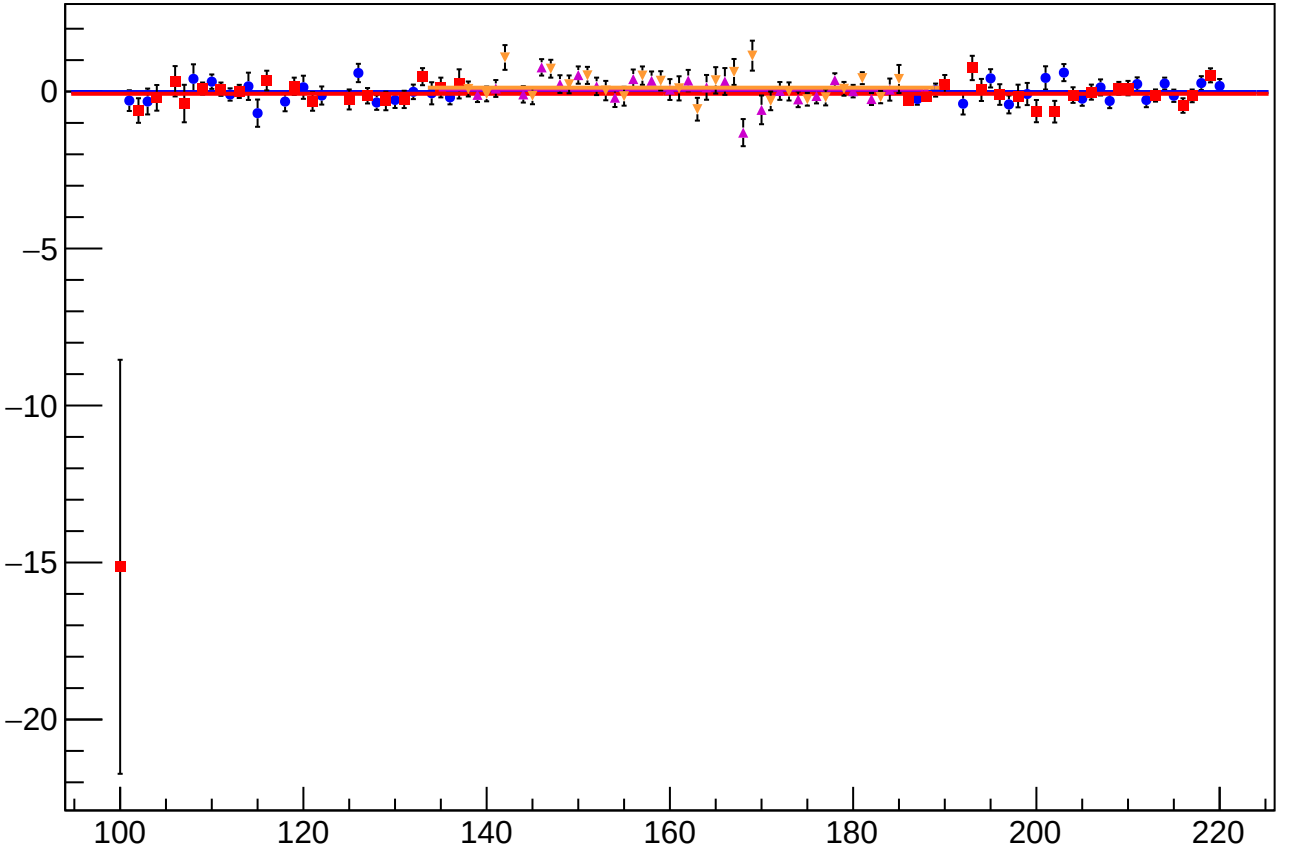
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.025+/-0.002 χ^2/NDF: 65.2/56

All: 0.024+/-0.001 χ^2/NDF: 22433.1/114

- sign 0.024+/-0.002 χ^2/NDF: 22367.9/57

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.016+/-0.045 χ^2/NDF: 39.9/32

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.072+/-0.041 χ^2/NDF: 44.8/34

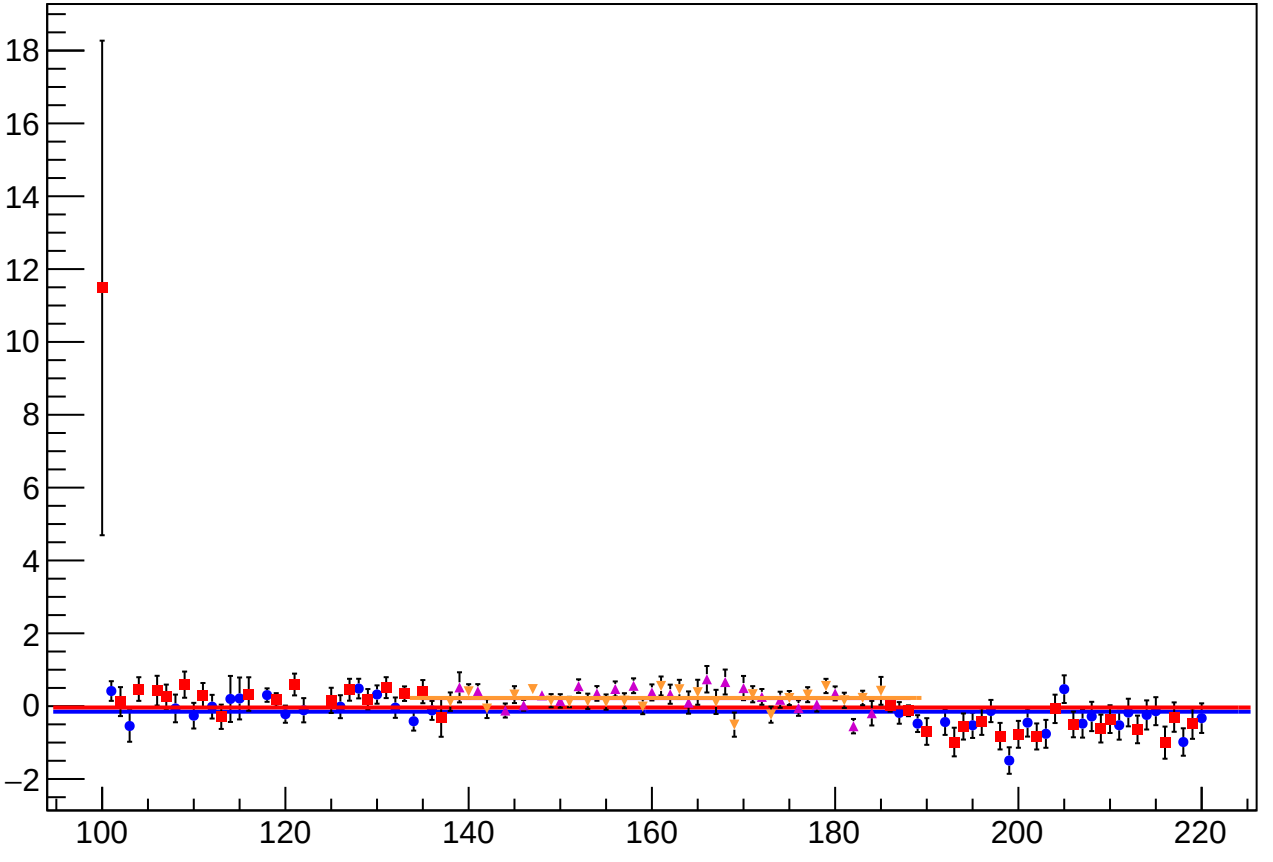
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.036+/-0.035 χ^2/NDF: 83.2/56

All: 0.004+/-0.024 χ^2/NDF: 167.6/114

- sign -0.026+/-0.034 χ^2/NDF: 82.7/57

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.152+/-0.055 χ^2/NDF: 52.9/32

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: -0.037+/-0.052 χ^2/NDF: 71.4/34

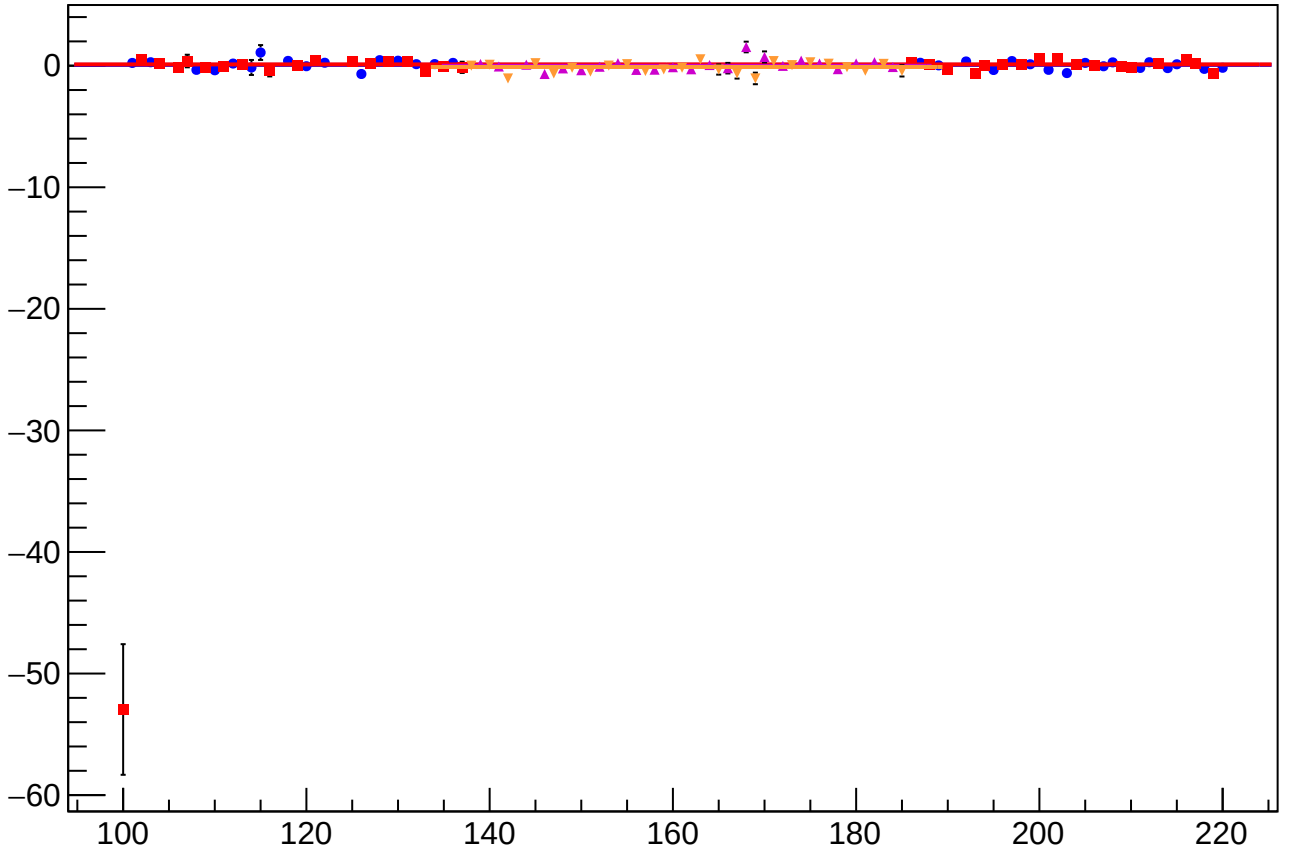
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.082+/-0.034 χ^2/NDF: 105.8/56

All: 0.097+/-0.024 χ^2/NDF: 231.3/114

- sign 0.112+/-0.034 χ^2/NDF: 125.1/57

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.068+/-0.045 χ^2/NDF: 39.4/32

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.107+/-0.040 χ^2/NDF: 135.5/34

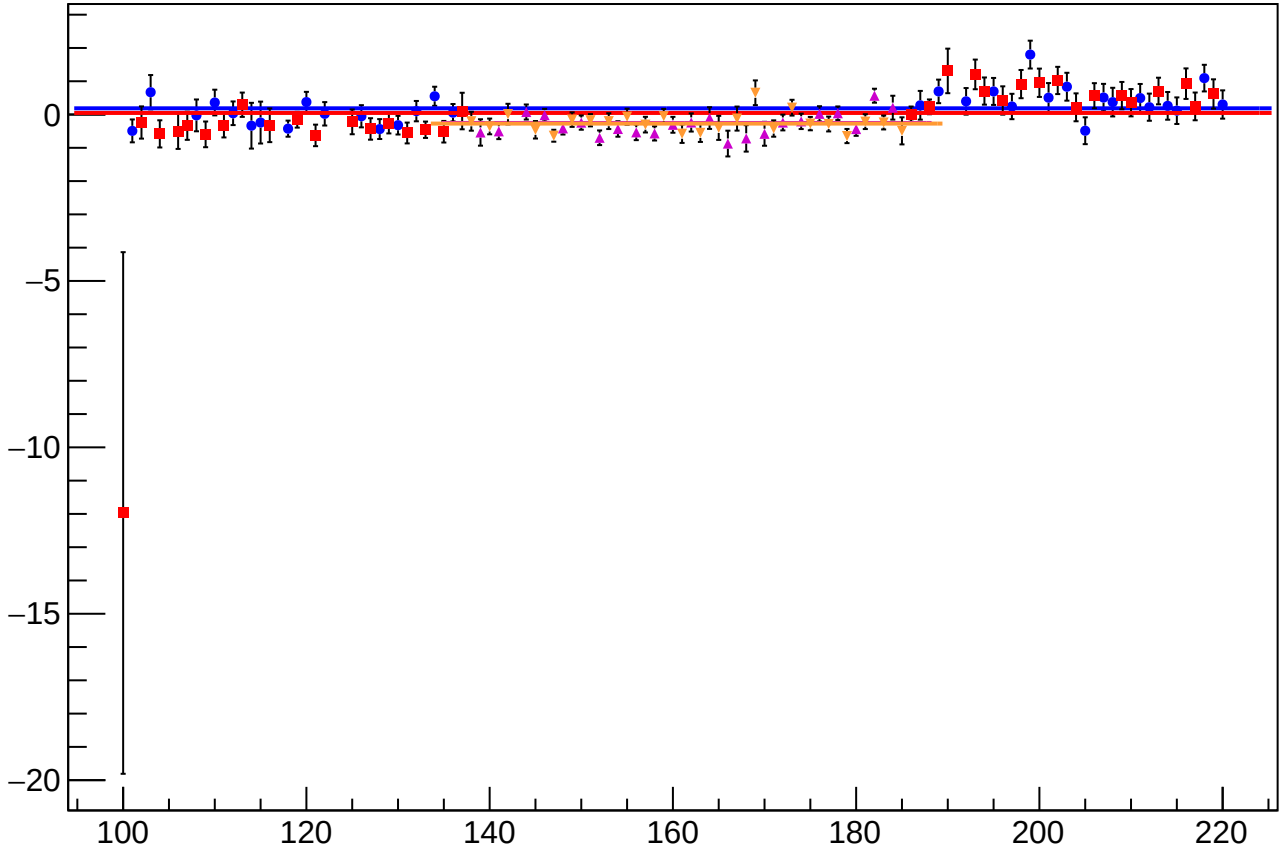
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign -0.001+/-0.035 χ^2/NDF: 82.6/56

All: 0.036+/-0.024 χ^2/NDF: 260.9/114

- sign 0.068+/-0.033 χ^2/NDF: 176.2/57

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.187+/-0.064 χ^2/NDF: 54.6/32

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: 0.048+/-0.062 χ^2/NDF: 72.7/34

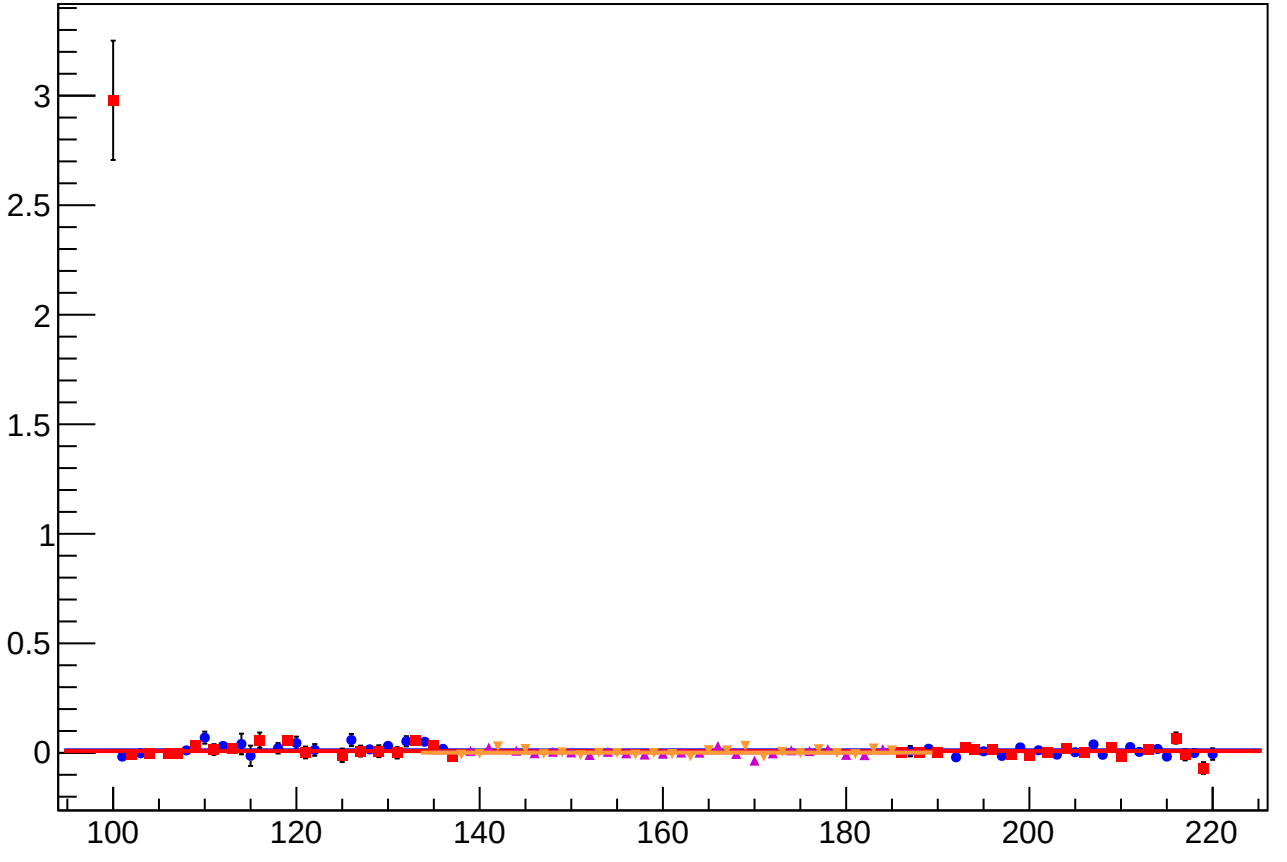
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.101+/-0.039 χ^2/NDF: 111.7/56

All: -0.118+/-0.028 χ^2/NDF: 239.8/114

- sign -0.134+/-0.039 χ^2/NDF: 127.6/57

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.012+/-0.003 χ^2/NDF: 47.7/32

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.008+/-0.003 χ^2/NDF: 166.8/34

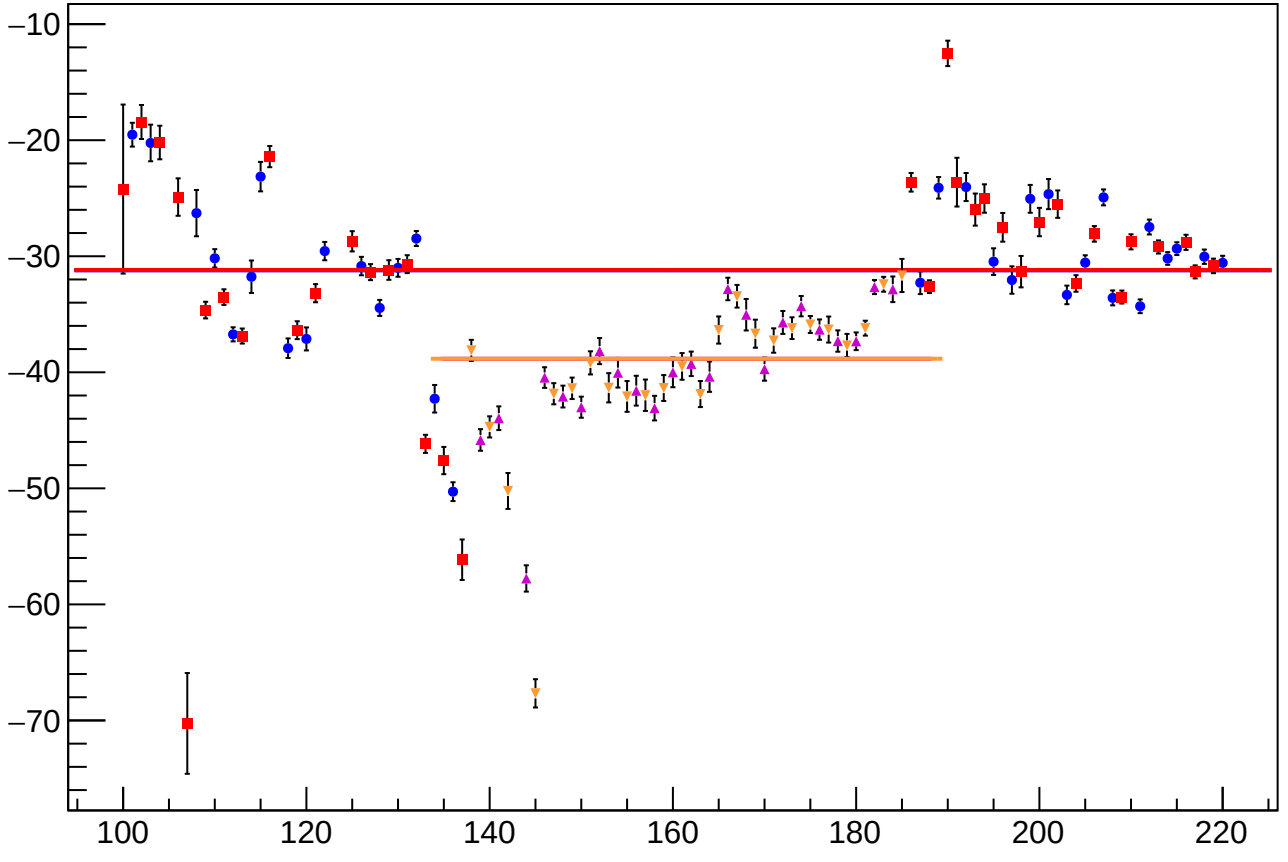
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.005+/-0.002 χ^2/NDF: 82.2/56

All: 0.005+/-0.001 χ^2/NDF: 276.2/114

- sign 0.004+/-0.002 χ^2/NDF: 194.0/57

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.215+/-0.138 χ^2/NDF: 1426.5/32

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.180+/-0.138 χ^2/NDF: 1852.6/35

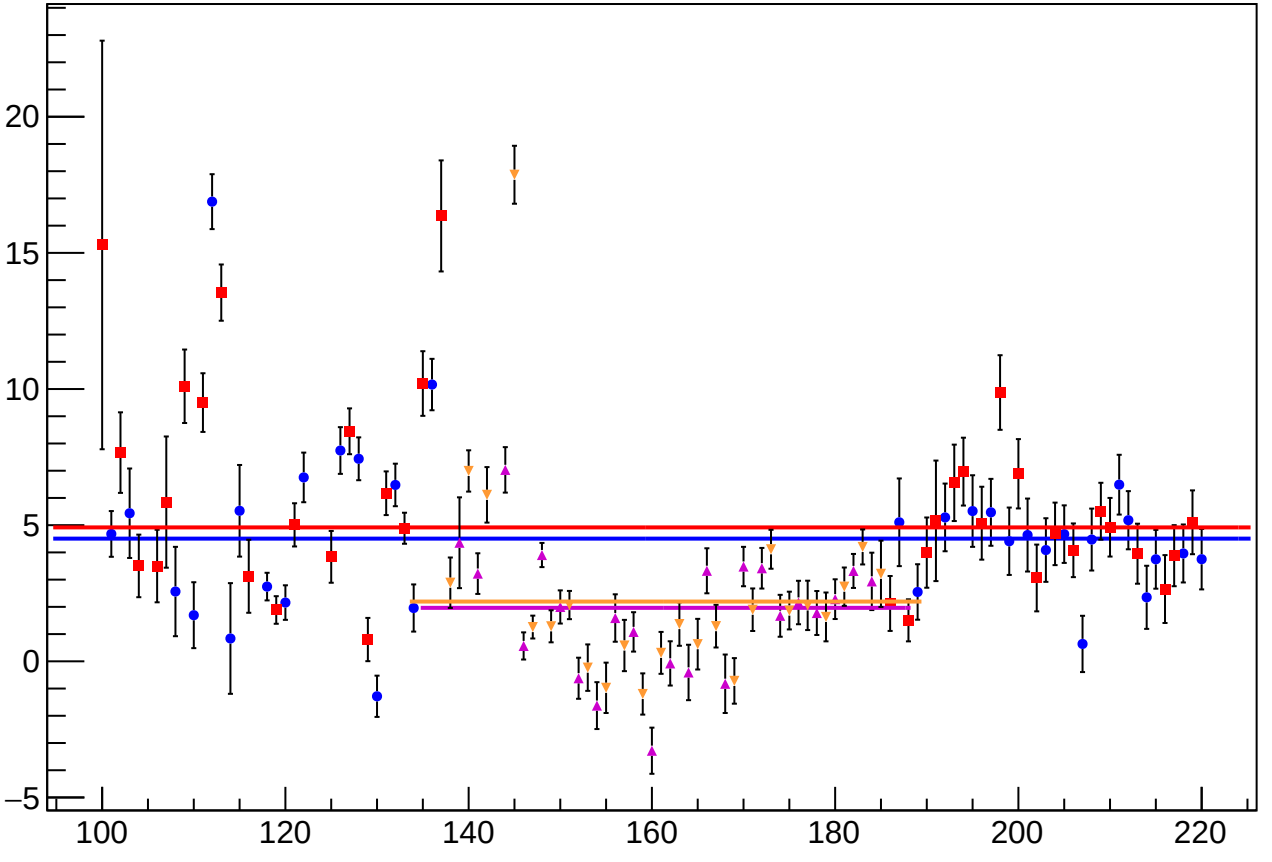
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -33.639+/-0.114 χ^2/NDF: 3311.5/56

All: -33.619+/-0.081 χ^2/NDF: 6786.8/115

- sign -33.600+/-0.114 χ^2/NDF: 3475.2/58

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.506+/-0.173 χ^2/NDF: 358.7/32

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 4.918+/-0.173 χ^2/NDF: 303.5/35

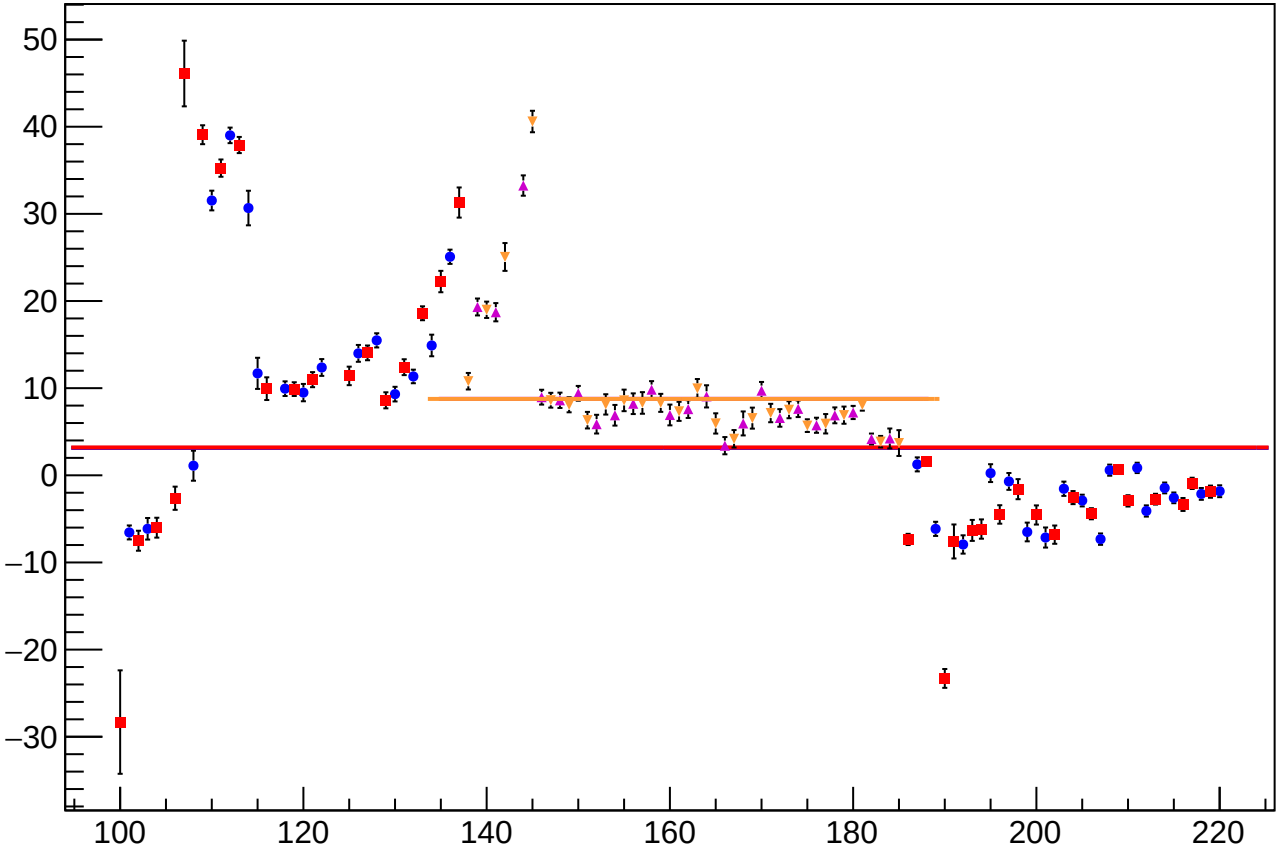
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.206+/-0.114 χ^2/NDF: 824.6/56

All: 3.243+/-0.081 χ^2/NDF: 1464.1/115

- sign 3.281+/-0.115 χ^2/NDF: 639.2/58

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 3.142+/-0.145 χ^2/NDF: 5406.3/32

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 3.195+/-0.144 χ^2/NDF: 7118.7/35

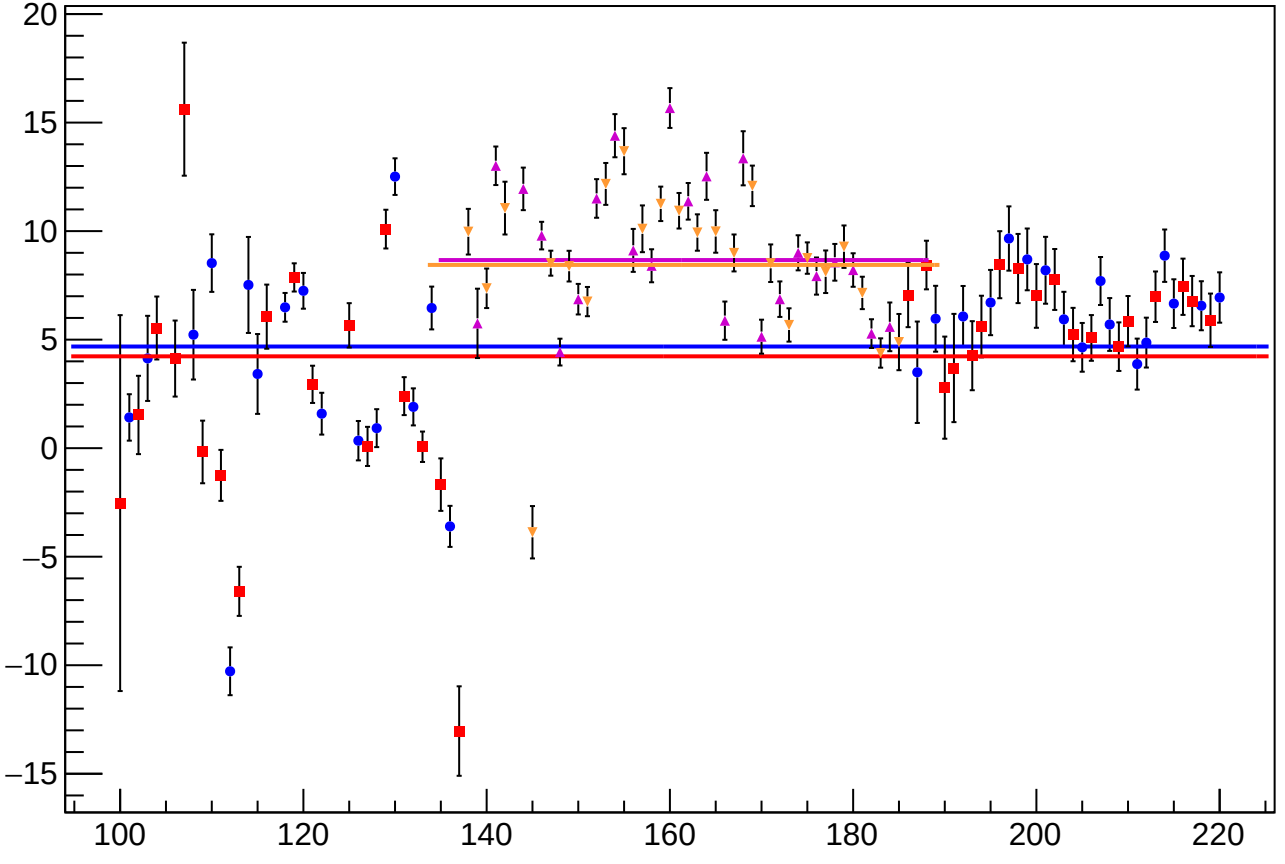
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 5.080+/-0.118 χ^2/NDF: 6957.5/56

All: 5.083+/-0.083 χ^2/NDF: 15378.0/115

- sign 5.086+/-0.117 χ^2/NDF: 8420.5/58

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.683+/-0.197 χ^2/NDF: 509.7/32

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 4.231+/-0.199 χ^2/NDF: 440.2/35

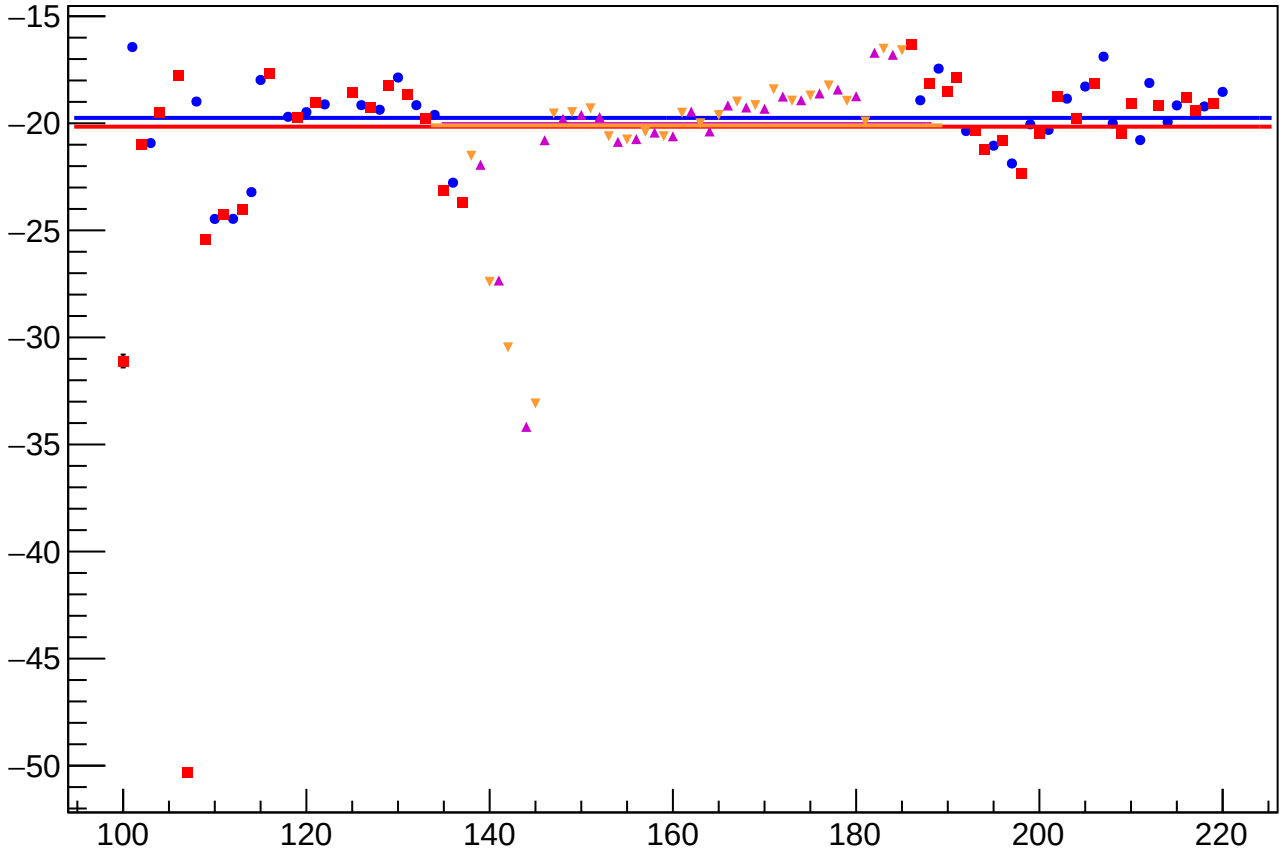
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

\+ sign 6.796+/-0.130 χ^2/NDF: 979.4/56

All: 6.761+/-0.093 χ^2/NDF: 2003.6/115

\- sign 6.725+/-0.132 χ^2/NDF: 1024.1/58

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.748+/-0.010 χ^2/NDF: 32873.6/32

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.157+/-0.010 χ^2/NDF: 73099.3/35

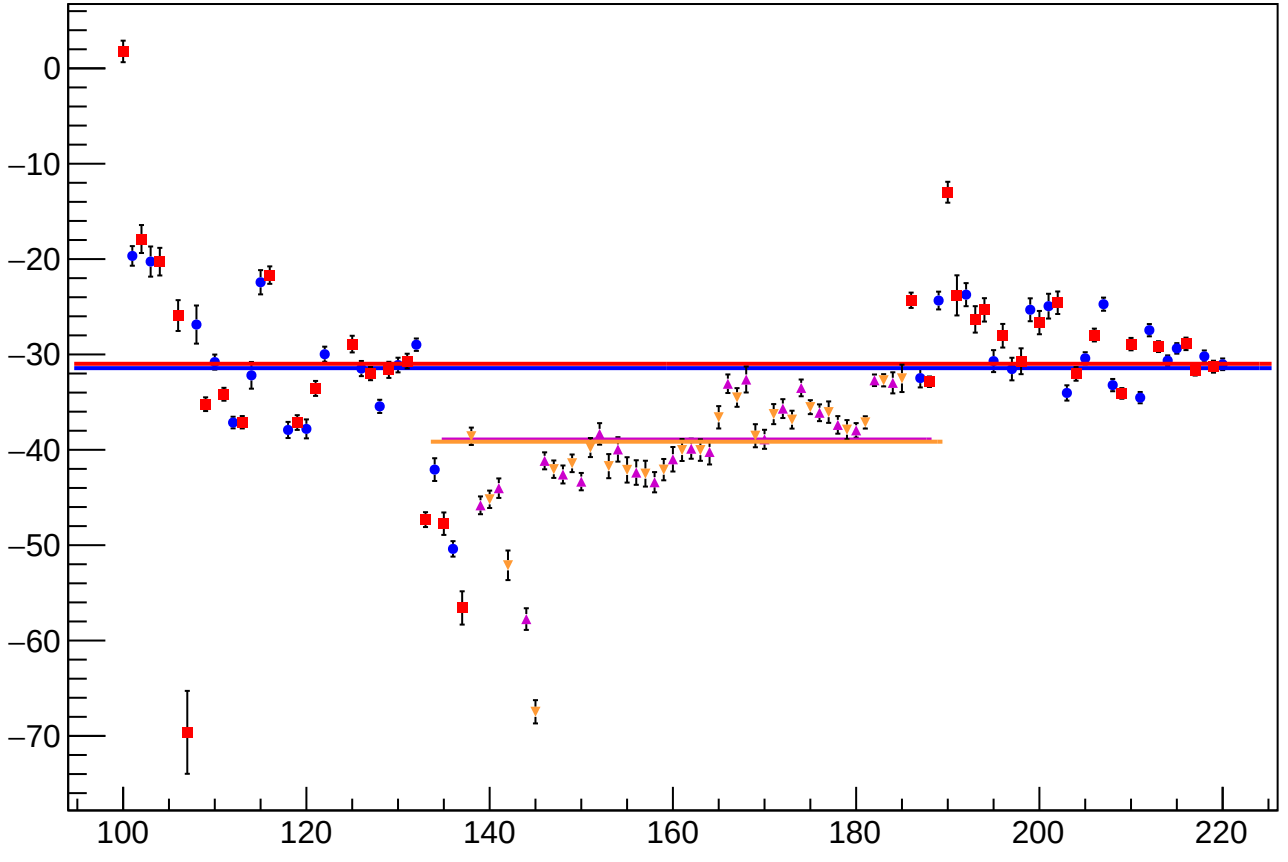
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -19.960+/-0.006 χ^2/NDF: 192921.6/56

All: -20.022+/-0.004 χ^2/NDF: 398603.9/115

- sign -20.084+/-0.006 χ^2/NDF: 205480.7/58

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.437+/-0.138 χ^2/NDF: 1452.7/32

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -30.979+/-0.137 χ^2/NDF: 2782.2/35

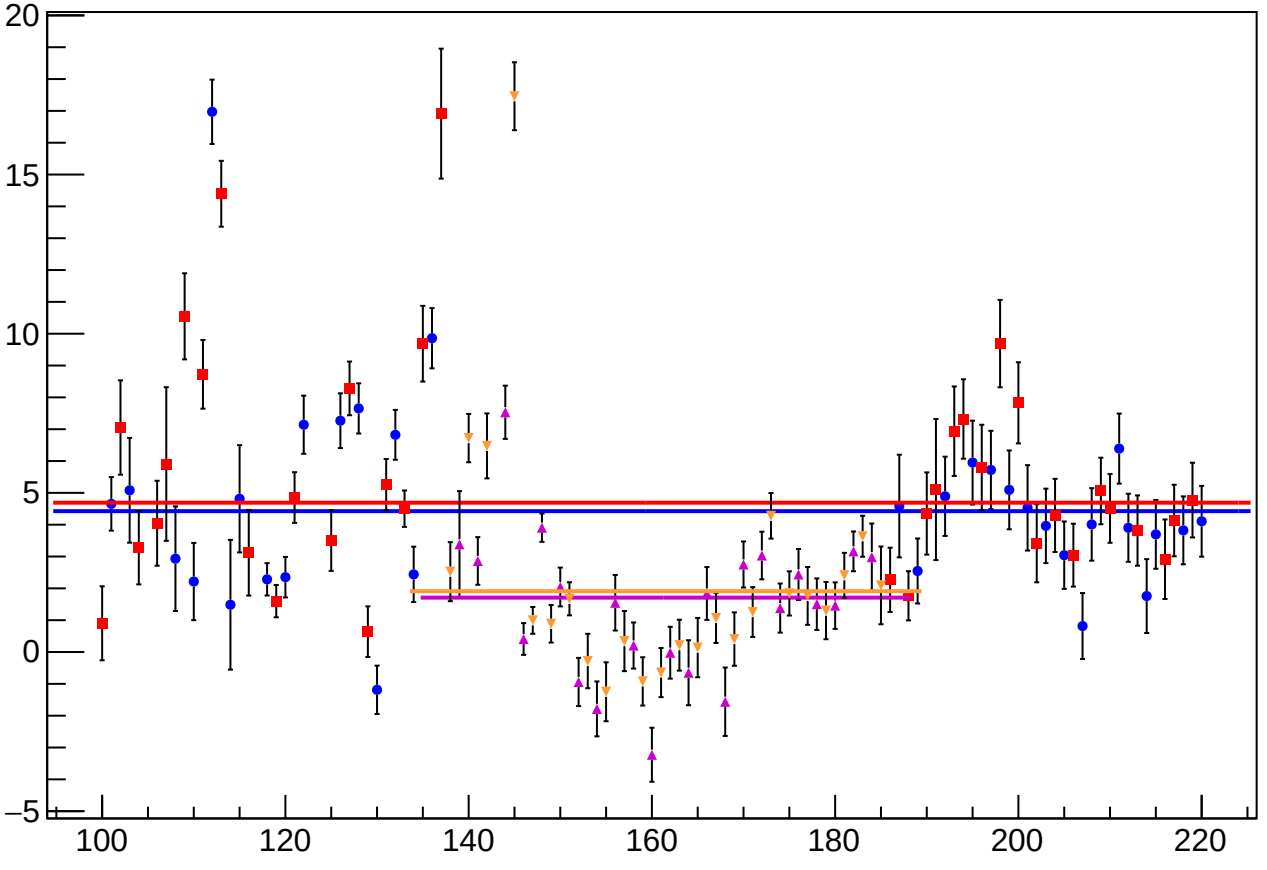
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -33.891+/-0.114 χ^2/NDF: 3340.6/56

All: -33.677+/-0.081 χ^2/NDF: 7858.0/115

- sign -33.464+/-0.114 χ^2/NDF: 4510.4/58

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.425+/-0.173 χ^2/NDF: 357.8/32

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.692+/-0.171 χ^2/NDF: 328.2/35

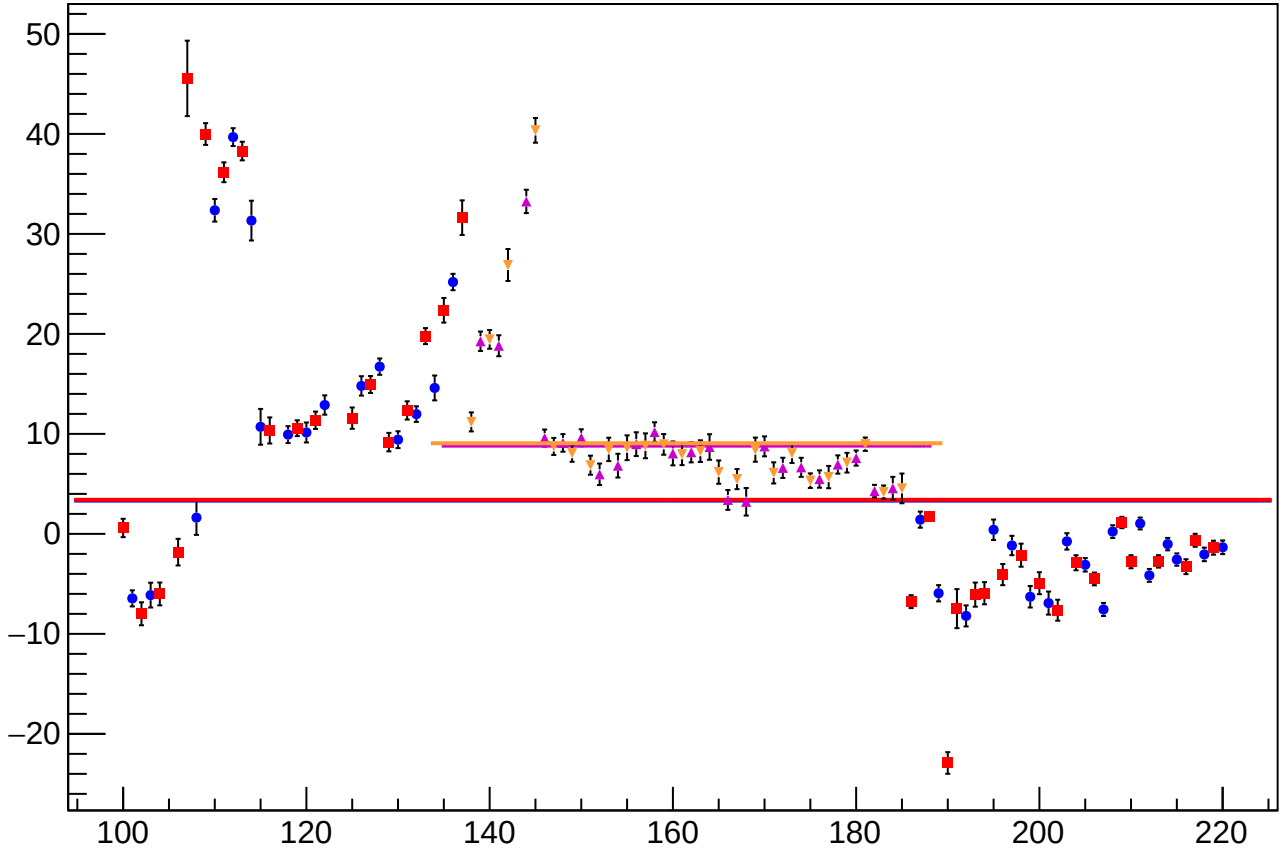
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 3.011+/-0.114 χ^2/NDF: 836.2/56

All: 3.032+/-0.081 χ^2/NDF: 1514.1/115

- sign 3.054+/-0.115 χ^2/NDF: 677.8/58

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 3.332+/-0.146 χ^2/NDF: 5574.7/32

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 3.408+/-0.143 χ^2/NDF: 7294.6/35

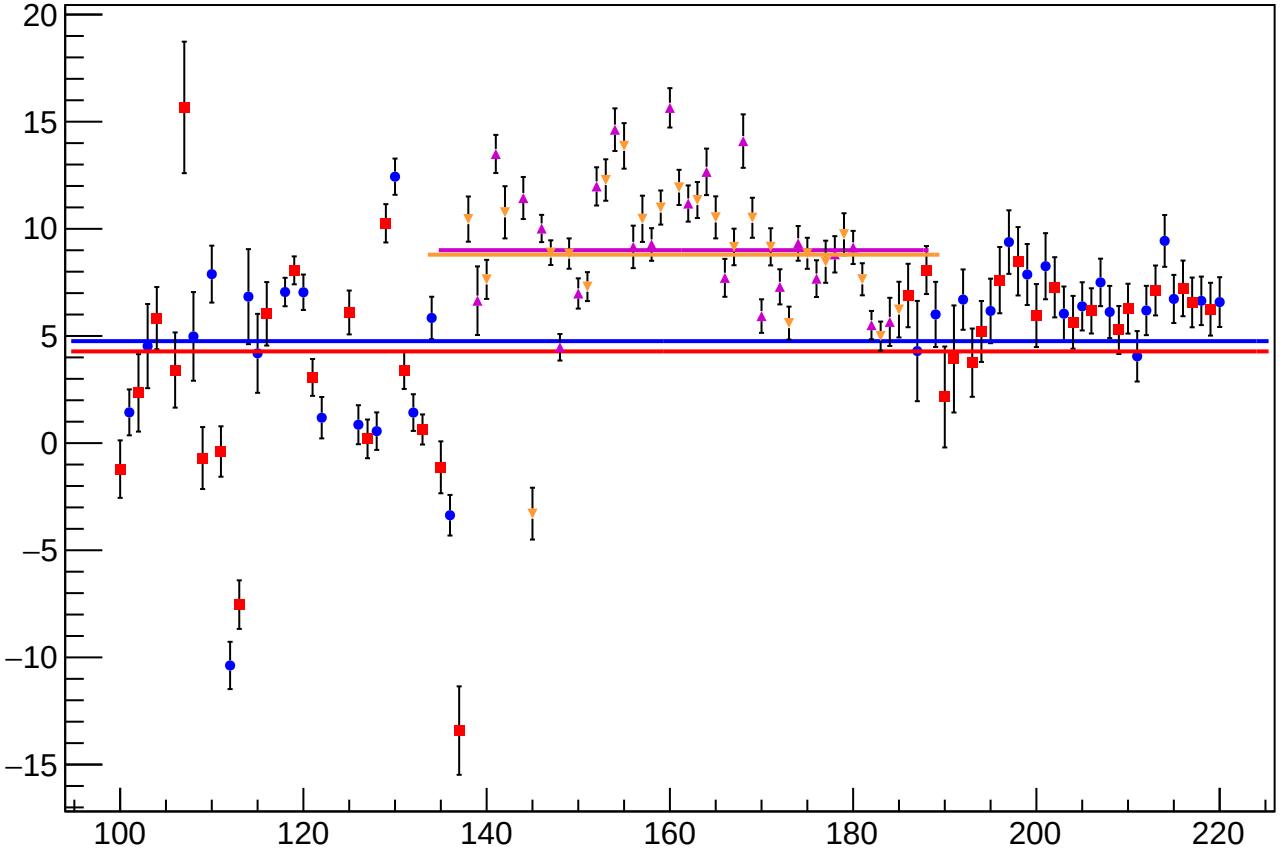
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 5.306+/-0.118 χ^2/NDF: 7141.4/56

All: 5.260+/-0.083 χ^2/NDF: 15717.9/115

- sign 5.215+/-0.117 χ^2/NDF: 8576.2/58

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.759+/-0.197 χ^2/NDF: 510.0/32

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 4.280+/-0.197 χ^2/NDF: 455.2/35

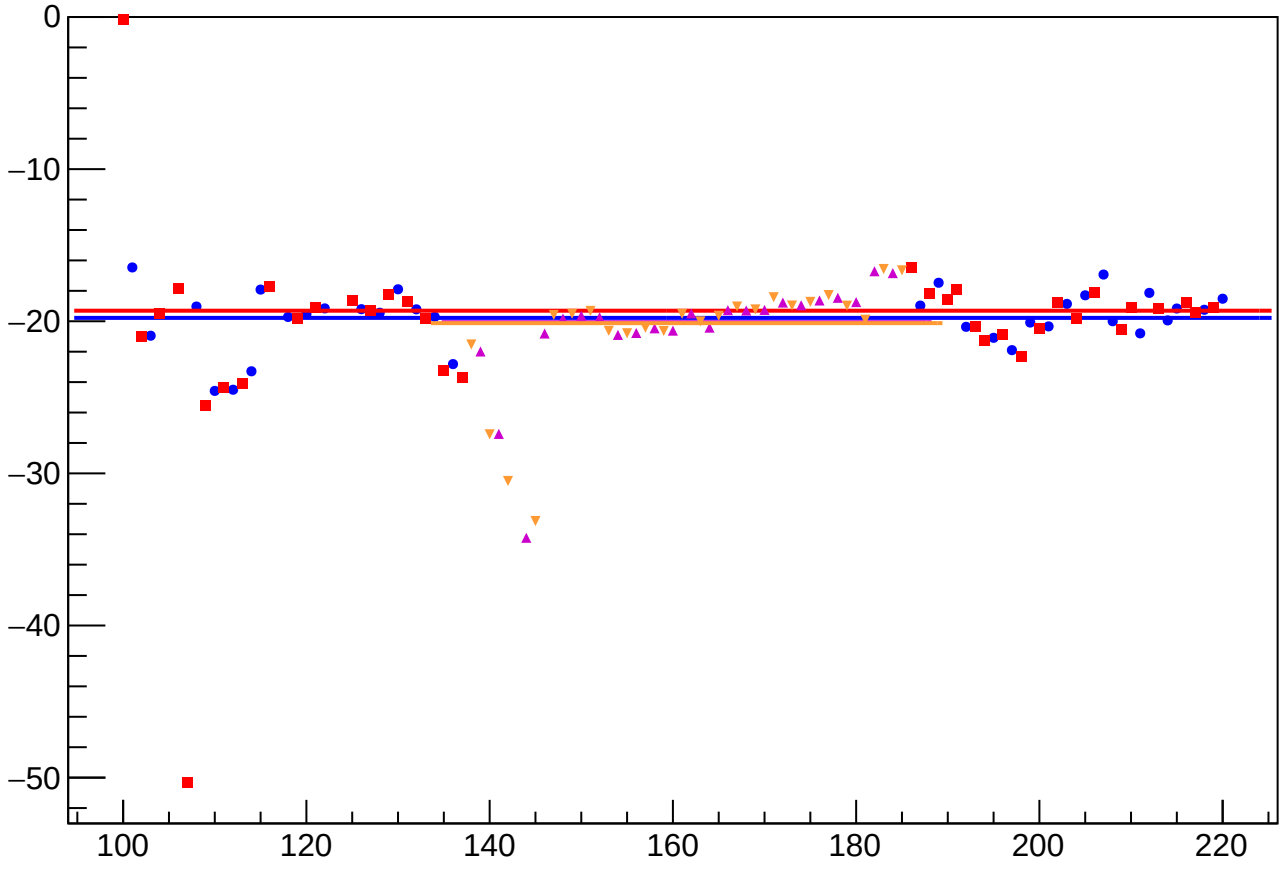
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.026+/-0.130 χ^2/NDF: 989.9/56

All: 6.969+/-0.093 χ^2/NDF: 2054.1/115

- sign 6.912+/-0.131 χ^2/NDF: 1063.9/58

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.778+/-0.010 χ^2/NDF: 32919.1/32

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.306+/-0.010 χ^2/NDF: 248164.3/35

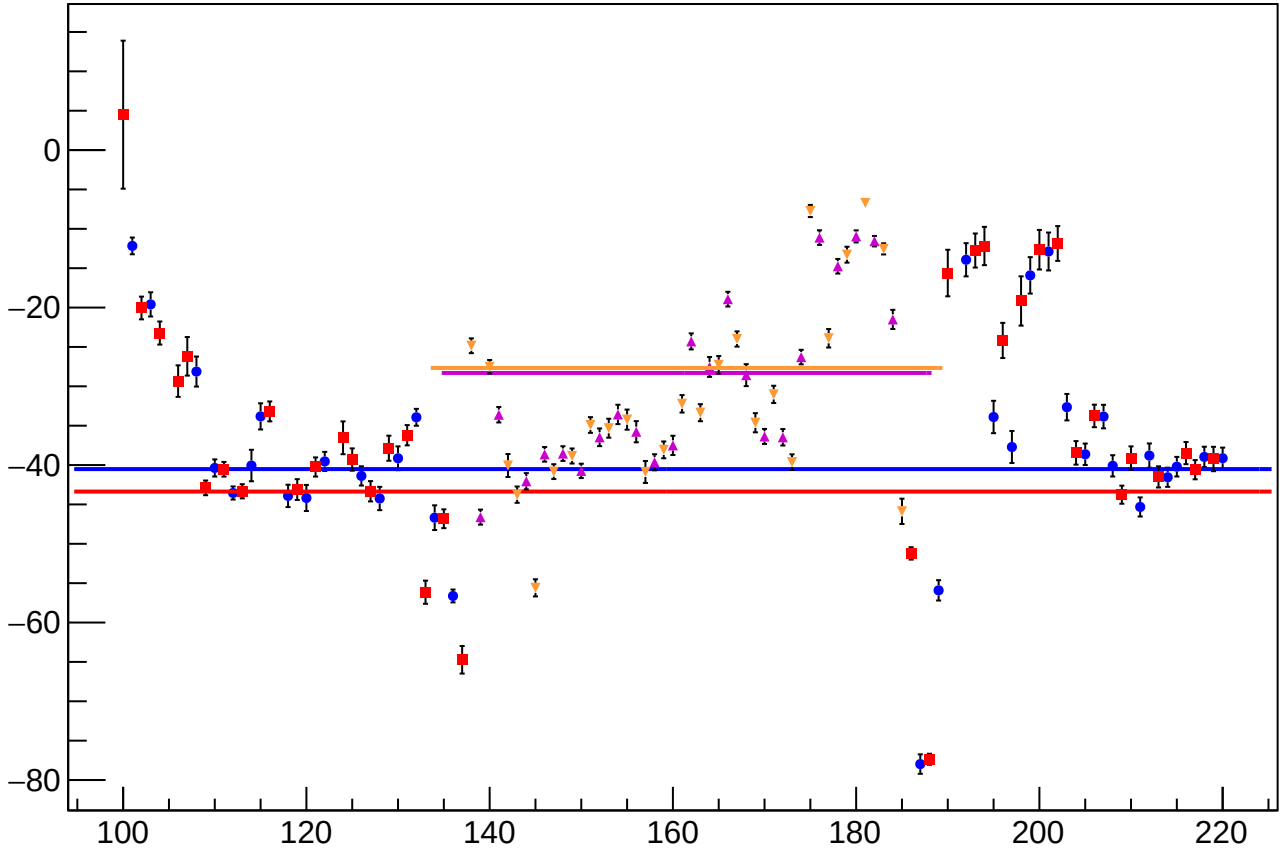
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -19.988+/-0.006 χ^2/NDF: 192238.5/56

All: -19.874+/-0.004 χ^2/NDF: 577421.6/115

- sign -19.761+/-0.006 χ^2/NDF: 384506.1/58

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.513+/-0.235 χ^2/NDF: 2970.4/32

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.366+/-0.225 χ^2/NDF: 4464.5/35

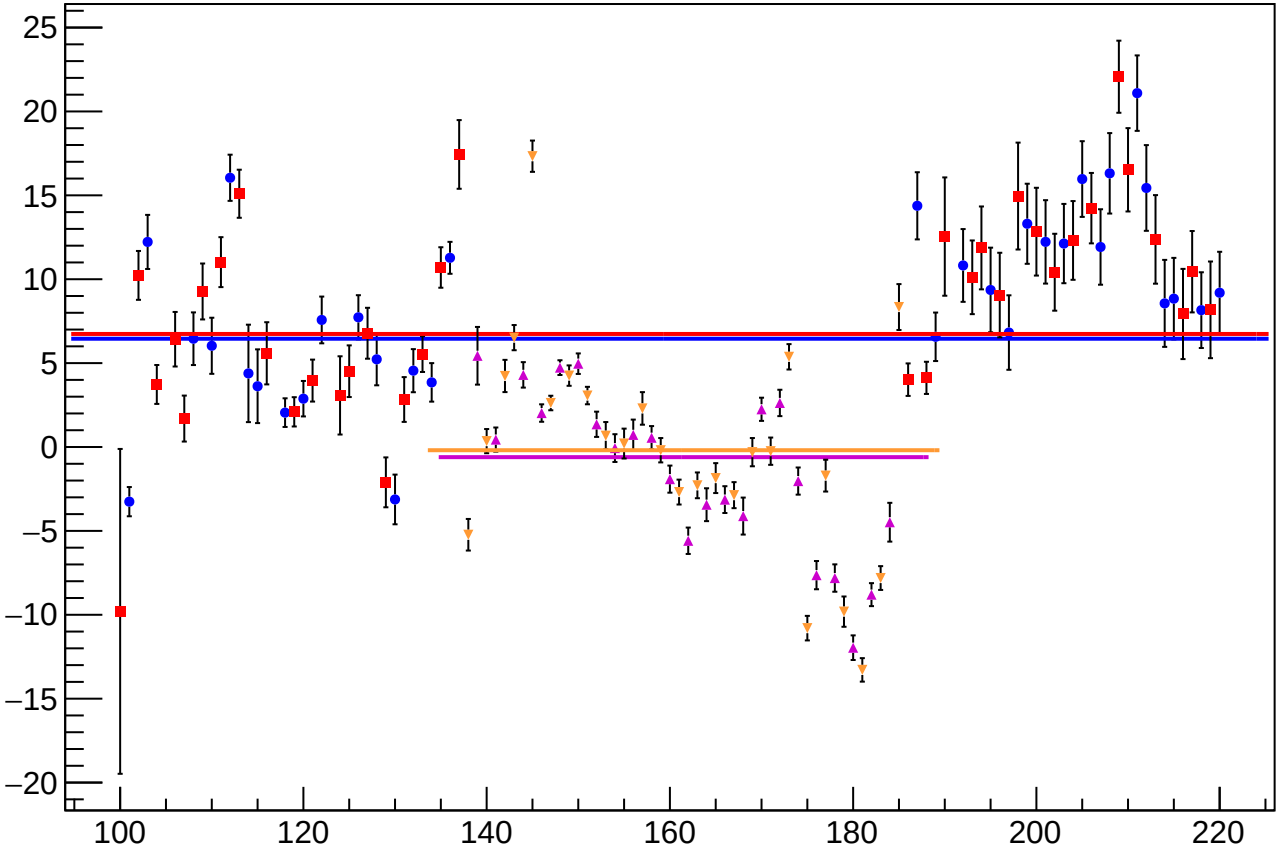
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -33.084+/-0.152 χ^2/NDF: 9098.5/57

All: -34.127+/-0.108 χ^2/NDF: 19369.7/116

- sign -35.161+/-0.152 χ^2/NDF: 10178.0/58

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 6.454+/-0.273 χ^2/NDF: 442.3/32

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.738+/-0.266 χ^2/NDF: 327.5/35

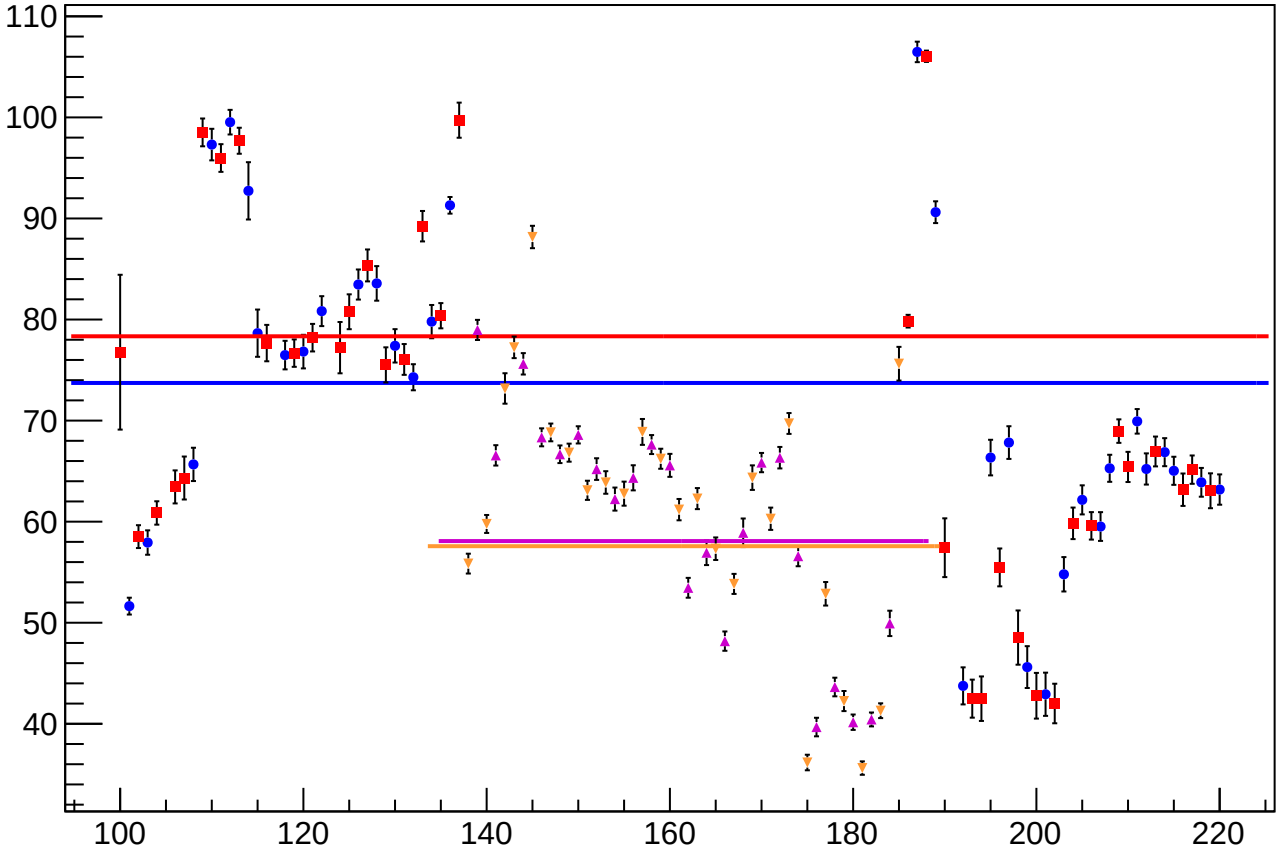
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 1.352+/-0.131 χ^2/NDF: 2443.1/57

All: 1.304+/-0.094 χ^2/NDF: 4312.8/116

- sign 1.255+/-0.134 χ^2/NDF: 1869.4/58

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 73.725+/-0.242 χ^2/NDF: 4713.2/32

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 78.342+/-0.227 χ^2/NDF: 6301.7/35

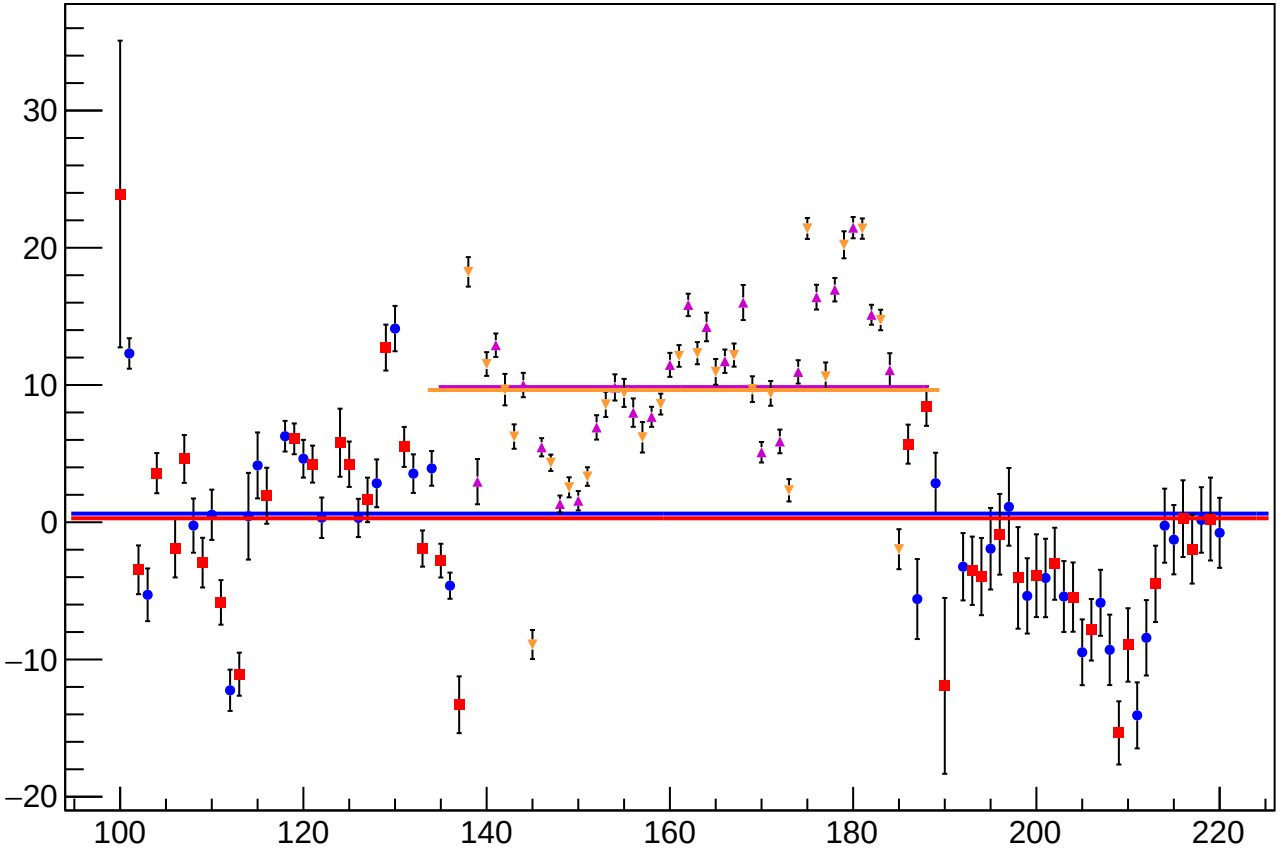
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 64.083+/-0.154 χ^2/NDF: 12054.5/57

All: 65.605+/-0.108 χ^2/NDF: 26515.8/116

- sign 67.085+/-0.152 χ^2/NDF: 14268.0/58

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 0.630+/-0.314 χ^2/NDF: 450.5/32

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 0.289+/-0.314 χ^2/NDF: 398.4/35

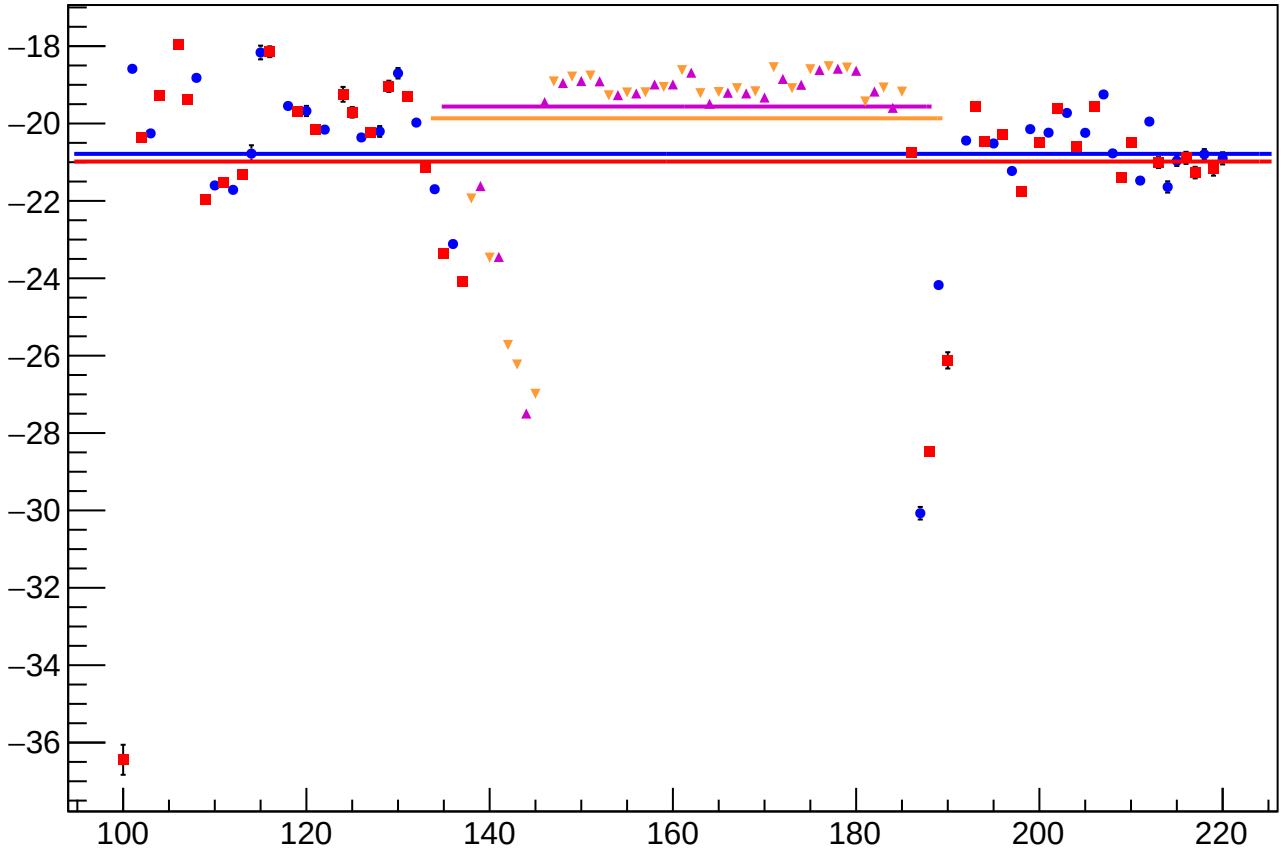
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 7.568+/-0.150 χ^2/NDF: 2575.9/57

All: 7.561+/-0.108 χ^2/NDF: 4673.3/116

- sign 7.554+/-0.154 χ^2/NDF: 2097.4/58

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.784+/-0.015 χ^2/NDF: 12654.8/32

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.983+/-0.016 χ^2/NDF: 20706.6/35

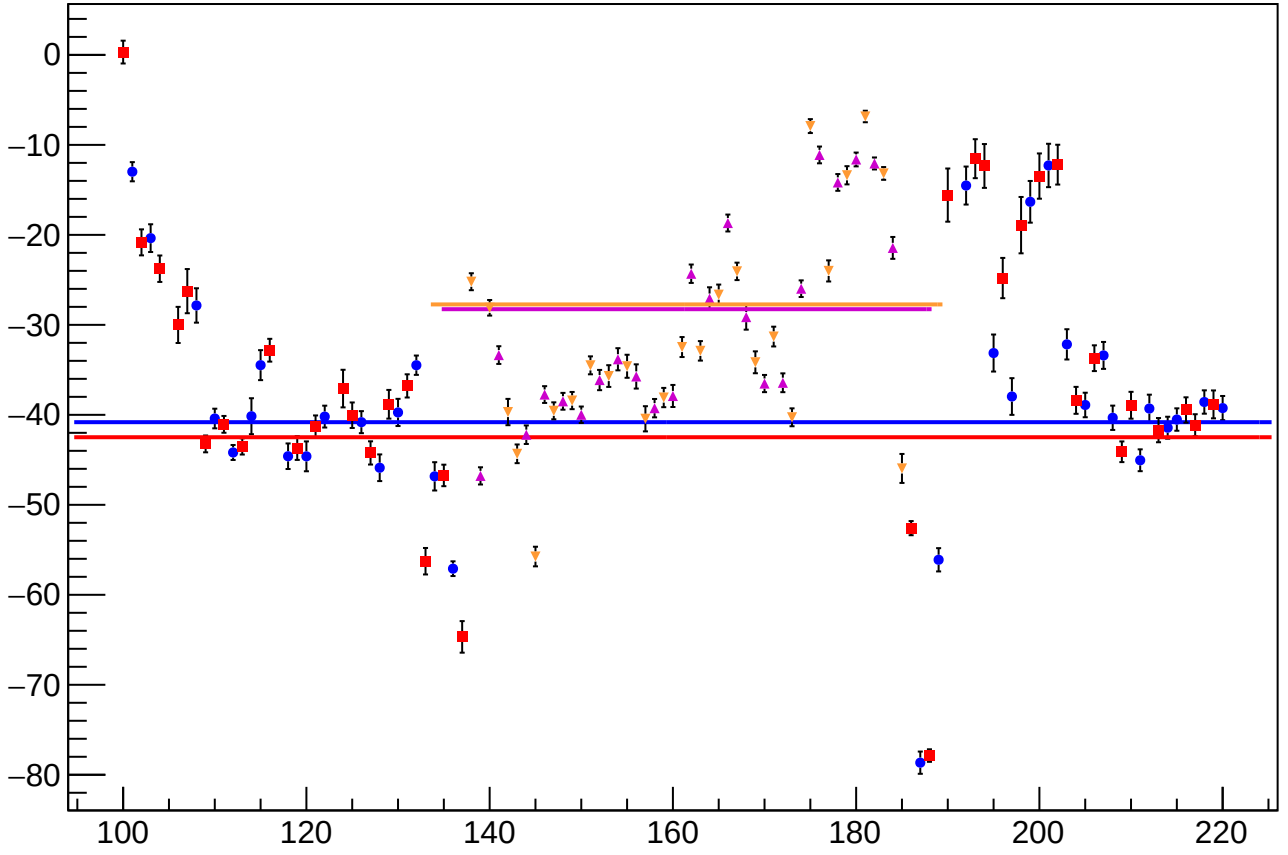
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.056+/-0.007 χ^2/NDF: 94374.6/57

All: -19.957+/-0.005 χ^2/NDF: 167245.1/116

- sign -19.855+/-0.007 χ^2/NDF: 72461.1/58

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -40.816+/-0.235 χ^2/NDF: 2976.5/32

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.488+/-0.222 χ^2/NDF: 5657.8/35

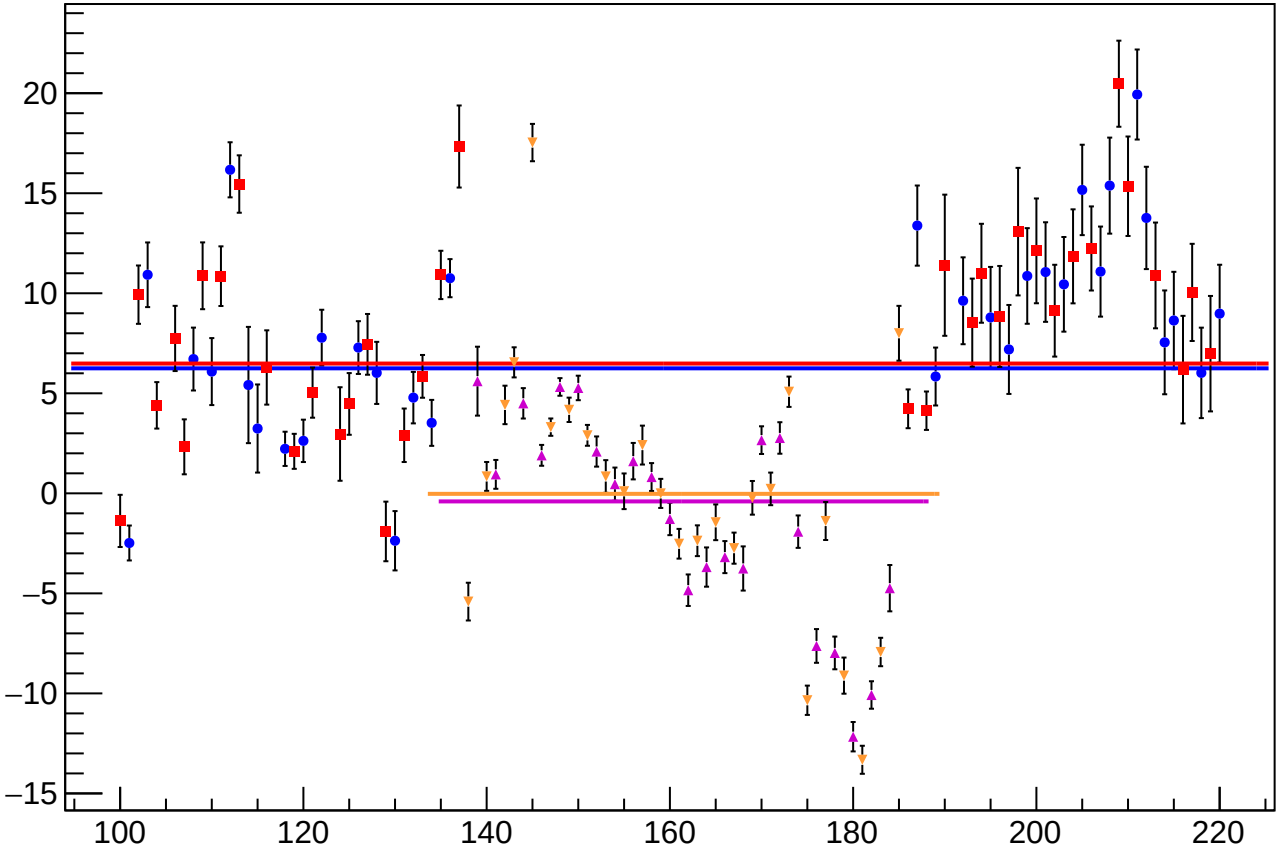
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -33.248+/-0.153 χ^2/NDF: 9068.4/57

All: -34.058+/-0.107 χ^2/NDF: 20160.5/116

- sign -34.850+/-0.151 χ^2/NDF: 11036.5/58

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 6.248+/-0.273 χ^2/NDF: 371.0/32

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.487+/-0.261 χ^2/NDF: 322.5/35

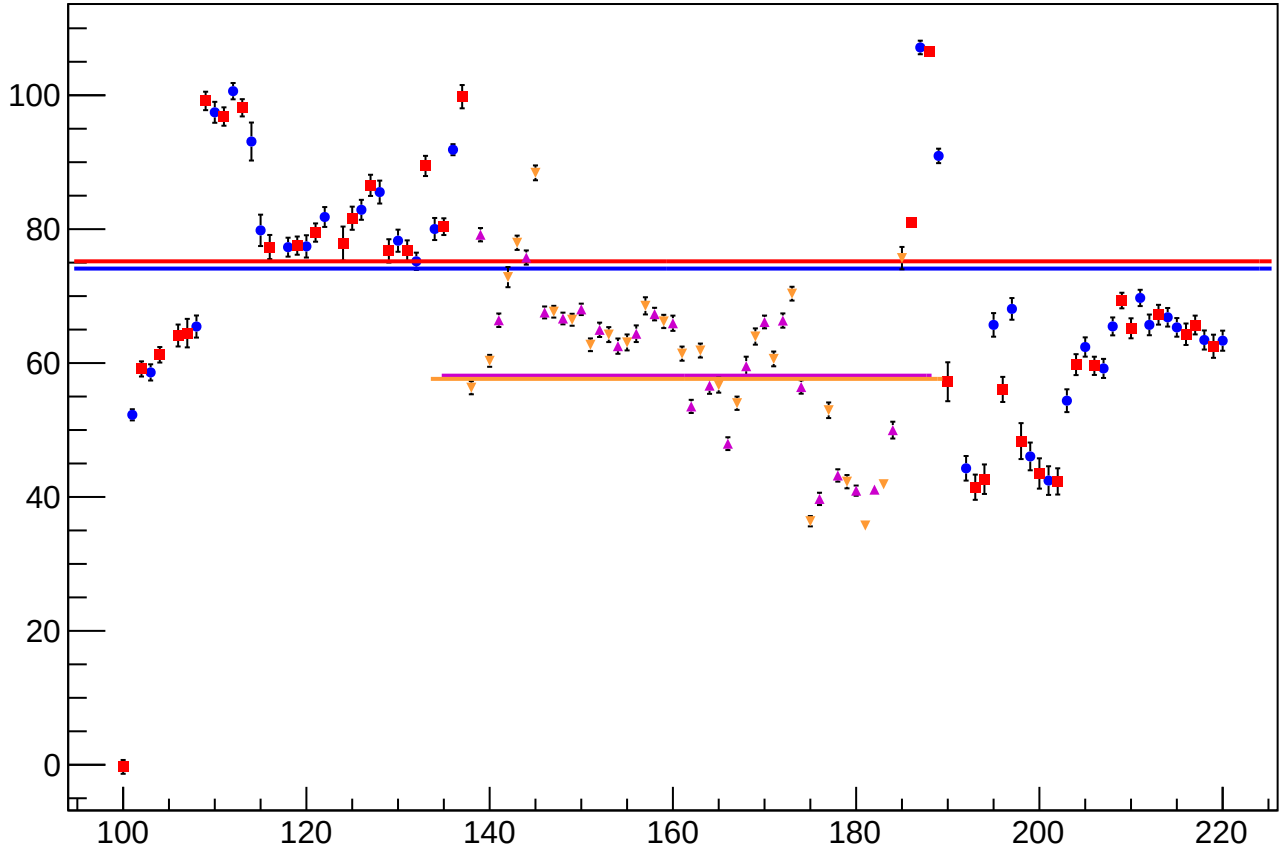
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.432+/-0.132 χ^2/NDF: 2307.6/57

All: 1.414+/-0.094 χ^2/NDF: 4227.4/116

- sign 1.395+/-0.134 χ^2/NDF: 1919.8/58

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 74.111+/-0.242 χ^2/NDF: 4795.5/32

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 75.196+/-0.223 χ^2/NDF: 11967.2/35

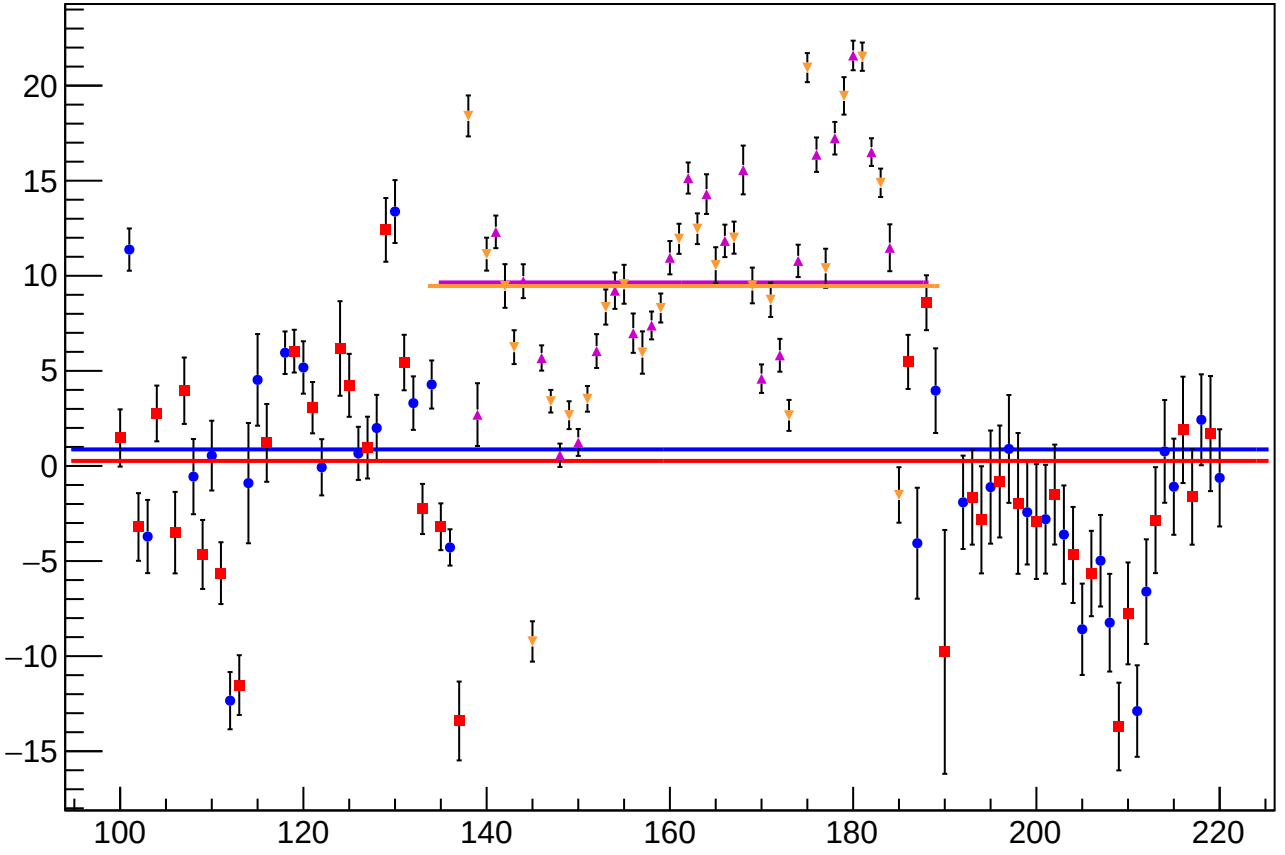
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.278+/-0.154 χ^2/NDF: 12163.1/57

All: 65.113+/-0.108 χ^2/NDF: 30834.1/116

- sign 65.909+/-0.150 χ^2/NDF: 18613.5/58

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 0.870+/-0.314 χ^2/NDF: 391.2/32

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.266+/-0.308 χ^2/NDF: 366.1/35

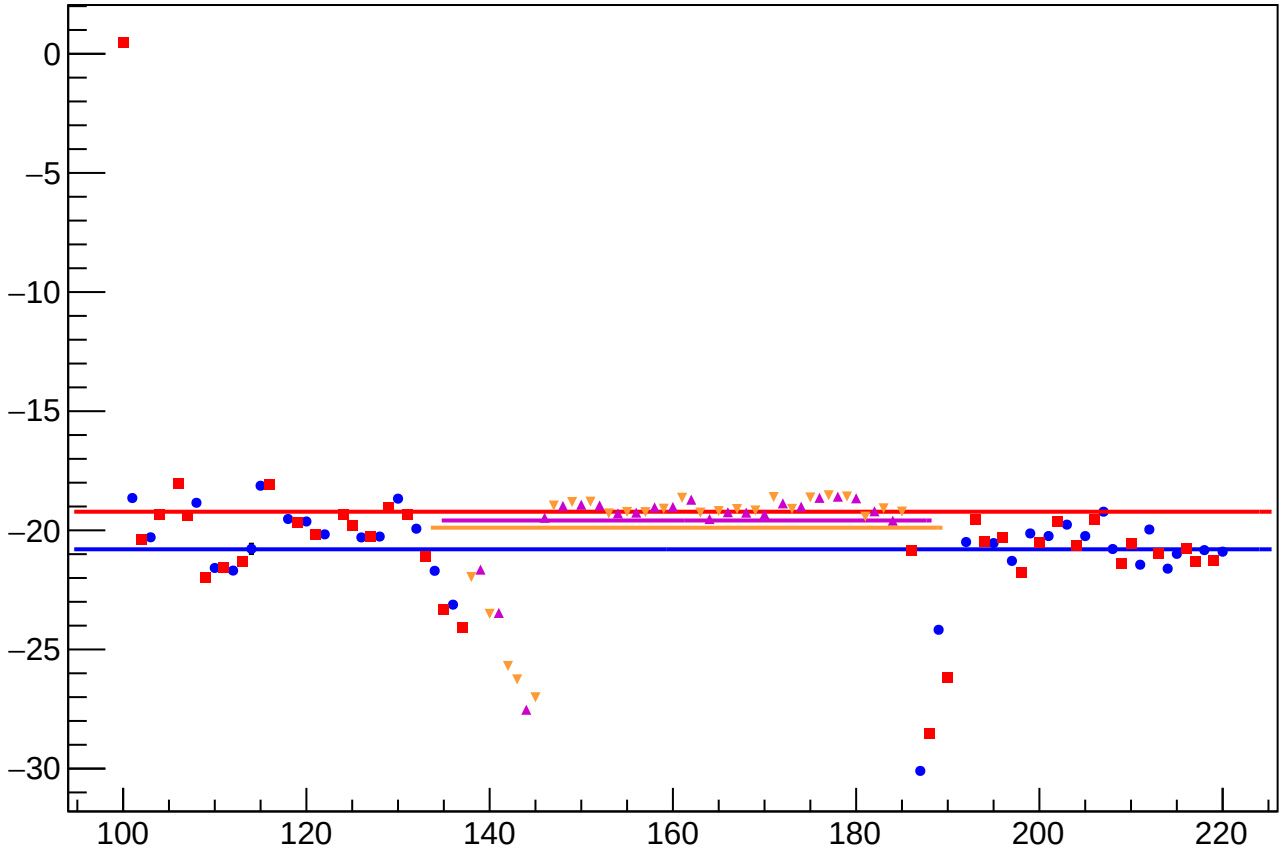
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 7.489+/-0.151 χ^2/NDF: 2449.4/57

All: 7.407+/-0.107 χ^2/NDF: 4594.6/116

- sign 7.323+/-0.153 χ^2/NDF: 2144.6/58

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.796+/-0.015 χ^2/NDF: 12535.7/32

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.219+/-0.015 χ^2/NDF: 173067.6/35

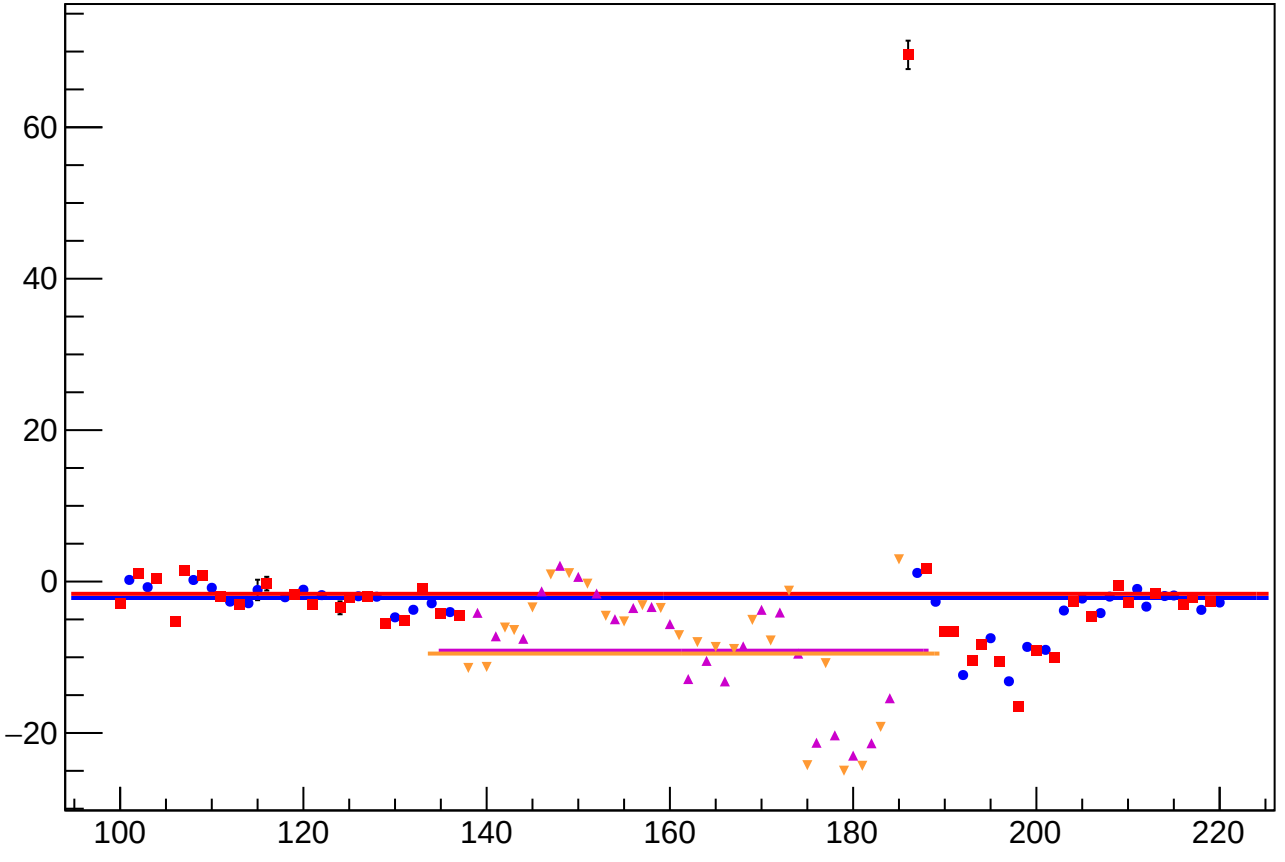
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.077+/-0.007 χ^2/NDF: 93797.7/57

All: -19.792+/-0.005 χ^2/NDF: 315727.1/116

- sign -19.505+/-0.007 χ^2/NDF: 218621.1/58

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.171+/-0.046 χ^2/NDF: 3396.4/32

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

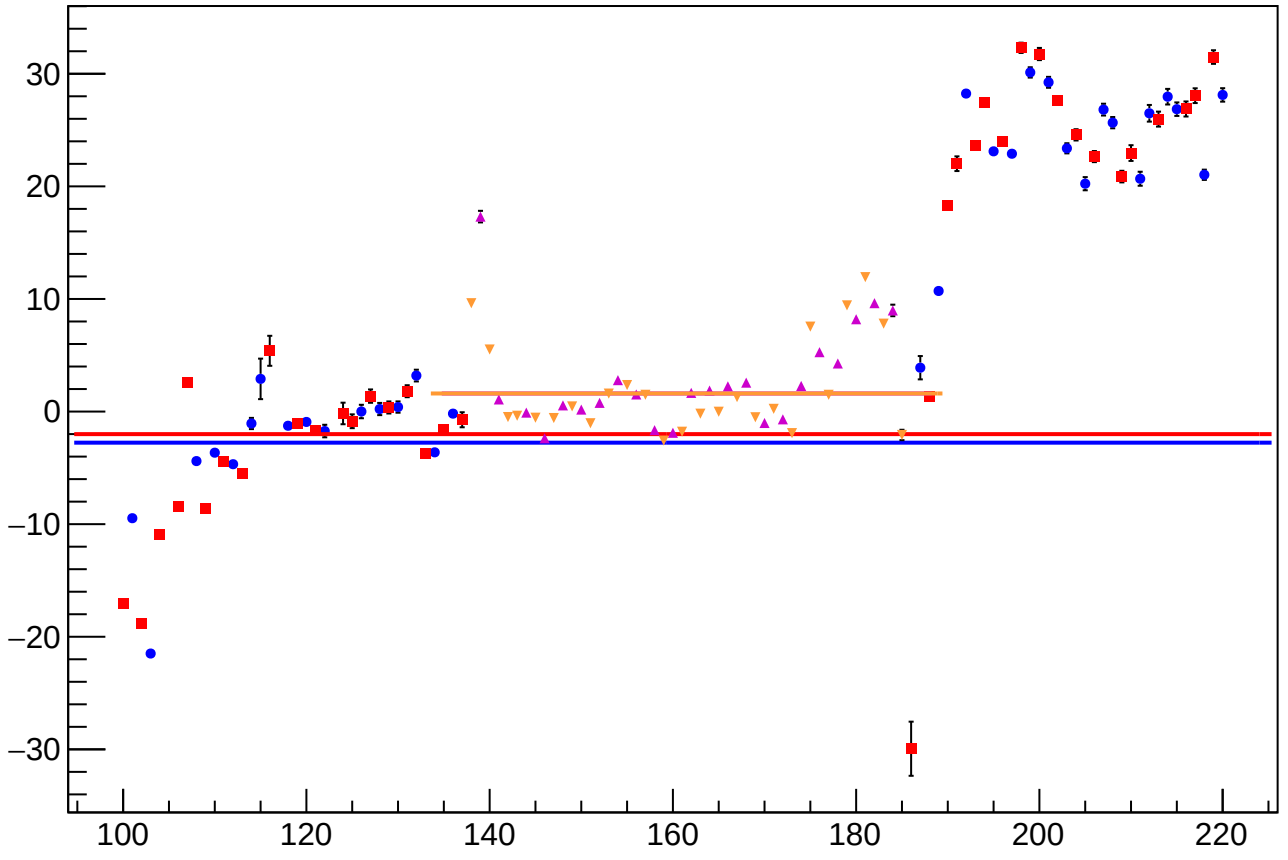
Right Out: -1.619+/-0.043 χ^2/NDF: 6999.3/36

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.281+/-0.039 χ^2/NDF: 23591.3/57

All: -3.876+/-0.027 χ^2/NDF: 48751.5/117

- sign -3.502+/-0.037 χ^2/NDF: 24952.6/59



Right In: -2.762+/-0.051 χ^2/NDF: 74635.3/32

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -2.004+/-0.051 χ^2/NDF: 75801.2/36

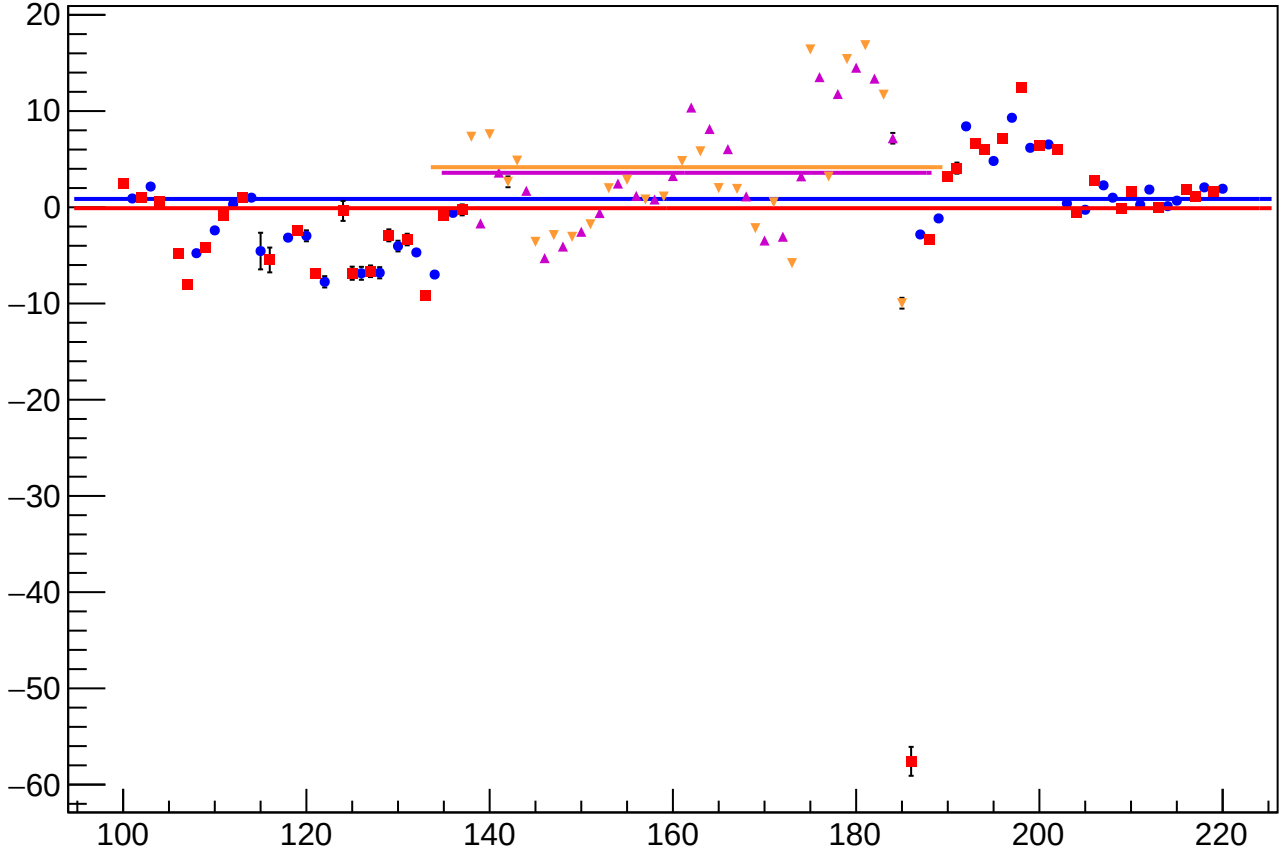
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -0.729+/-0.038 χ^2/NDF: 82662.6/57

All: -0.574+/-0.027 χ^2/NDF: 164345.1/117

- sign -0.414+/-0.038 χ^2/NDF: 81648.1/59

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.869+/-0.045 χ^2/NDF: 4208.5/32

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.093+/-0.044 χ^2/NDF: 8287.5/36

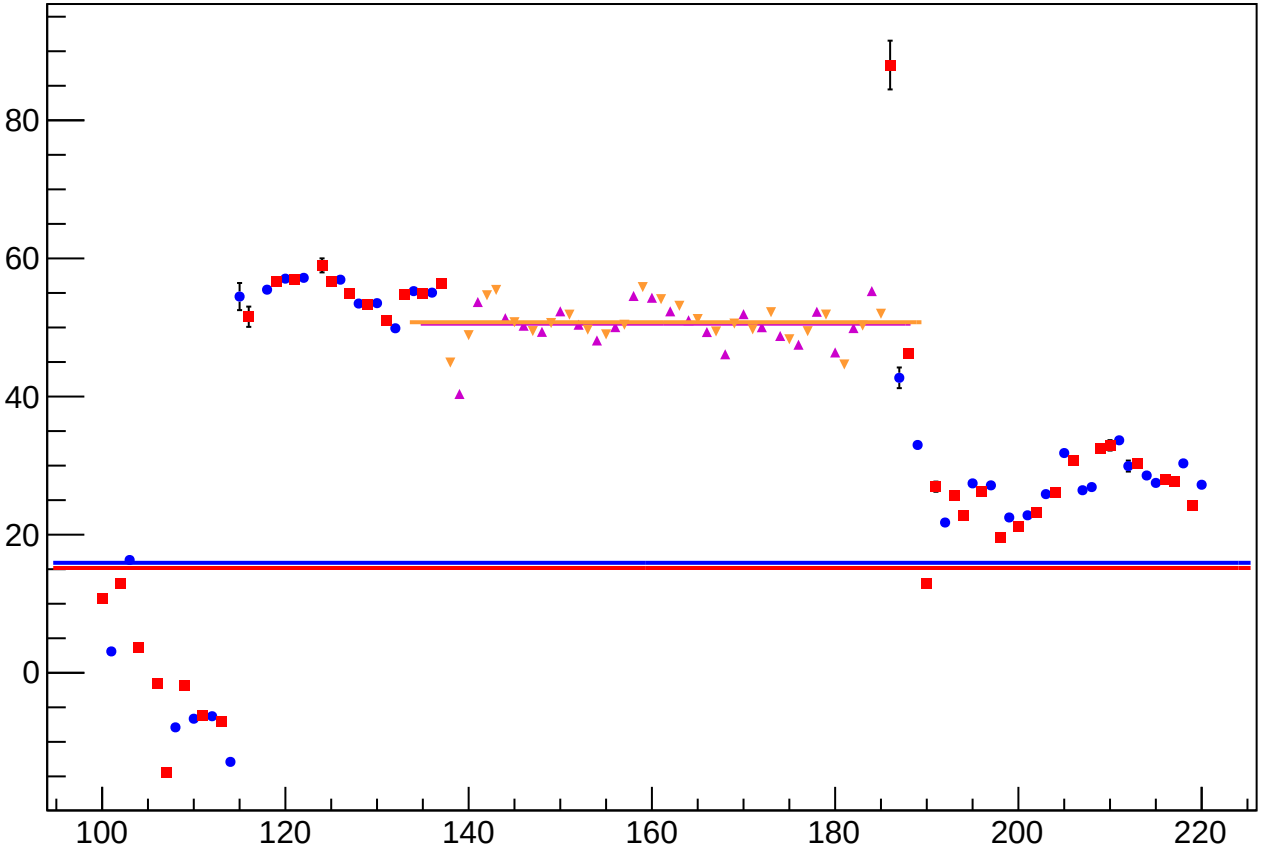
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.789+/-0.038 χ^2/NDF: 14963.5/57

All: 1.323+/-0.027 χ^2/NDF: 32603.2/117

- sign 0.866+/-0.038 χ^2/NDF: 17343.4/59

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 15.927+/-0.061 χ^2/NDF: 117816.3/32

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 15.177+/-0.060 χ^2/NDF: 133770.9/36

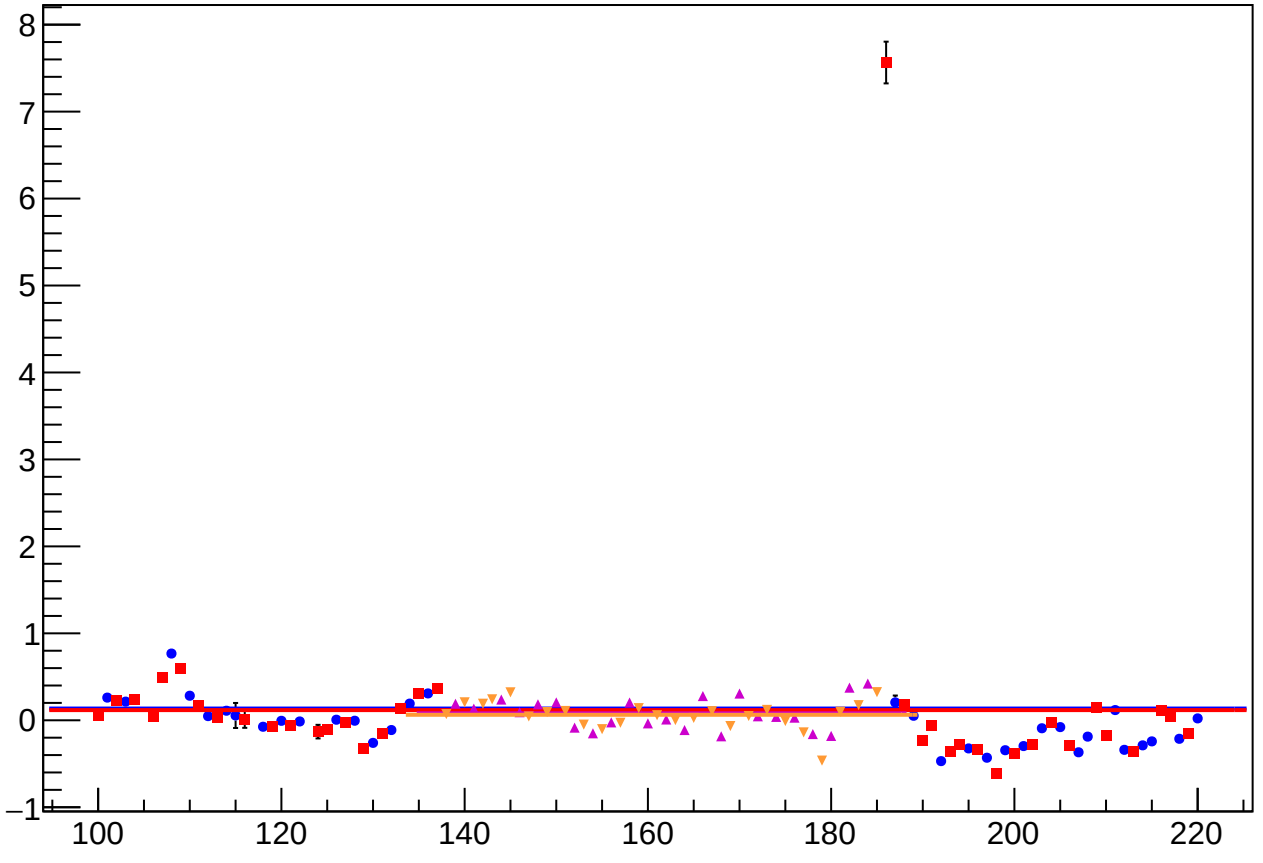
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 32.895+/-0.044 χ^2/NDF: 279200.7/57

All: 32.275+/-0.031 χ^2/NDF: 574567.2/117

- sign 31.638+/-0.044 χ^2/NDF: 294956.2/59

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.135+/-0.002 χ^2/NDF: 14100.0/32

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.117+/-0.002 χ^2/NDF: 13259.4/36

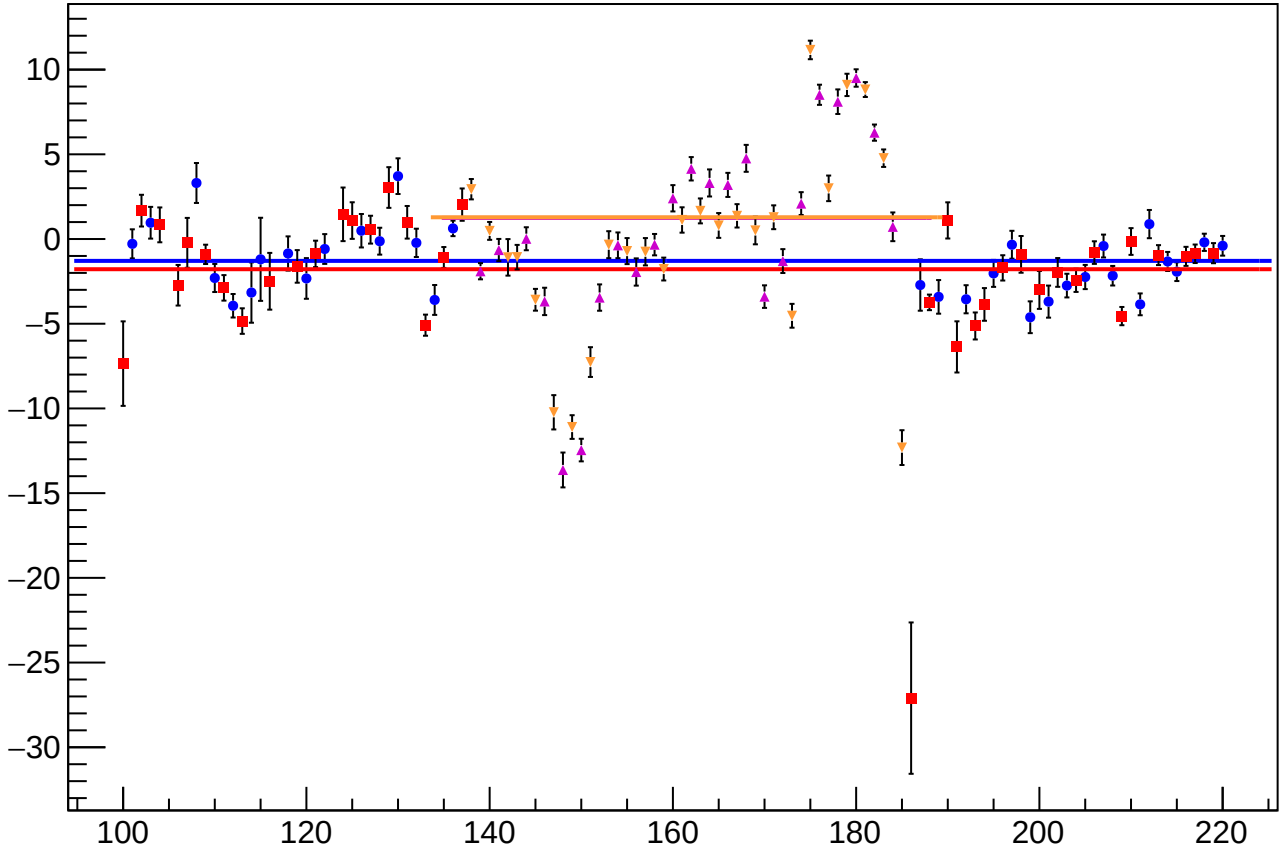
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.104+/-0.002 χ^2/NDF: 17041.4/57

All: 0.103+/-0.001 χ^2/NDF: 33851.5/117

- sign 0.102+/-0.002 χ^2/NDF: 16809.2/59

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.290+/-0.134 χ^2/NDF: 170.4/32

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.782+/-0.130 χ^2/NDF: 272.4/36

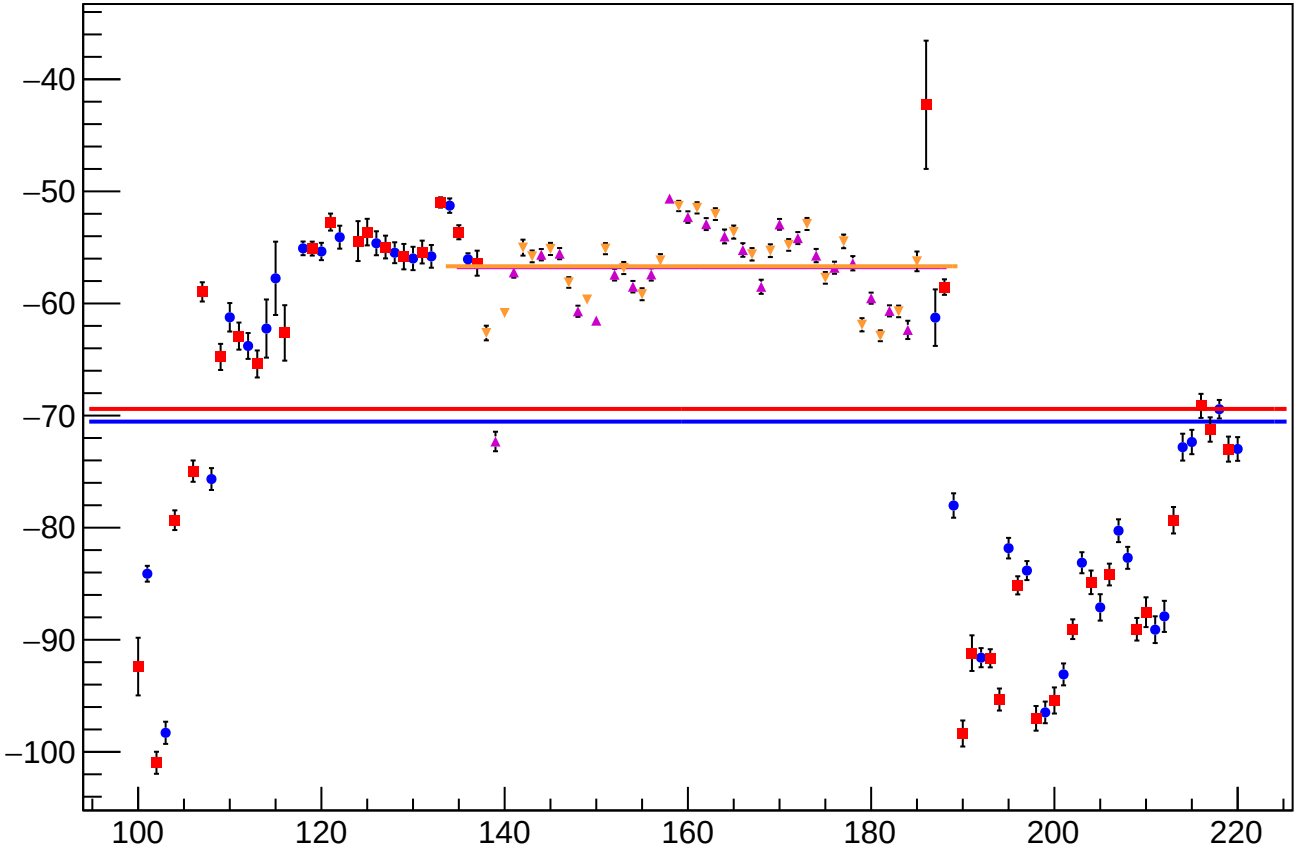
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign -0.033+/-0.096 χ^2/NDF: 2066.4/57

All: -0.209+/-0.068 χ^2/NDF: 4108.4/117

- sign -0.384+/-0.095 χ^2/NDF: 2035.3/59

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -70.539+/-0.165 χ^2/NDF: 8462.8/32

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -69.406+/-0.157 χ^2/NDF: 11310.5/36

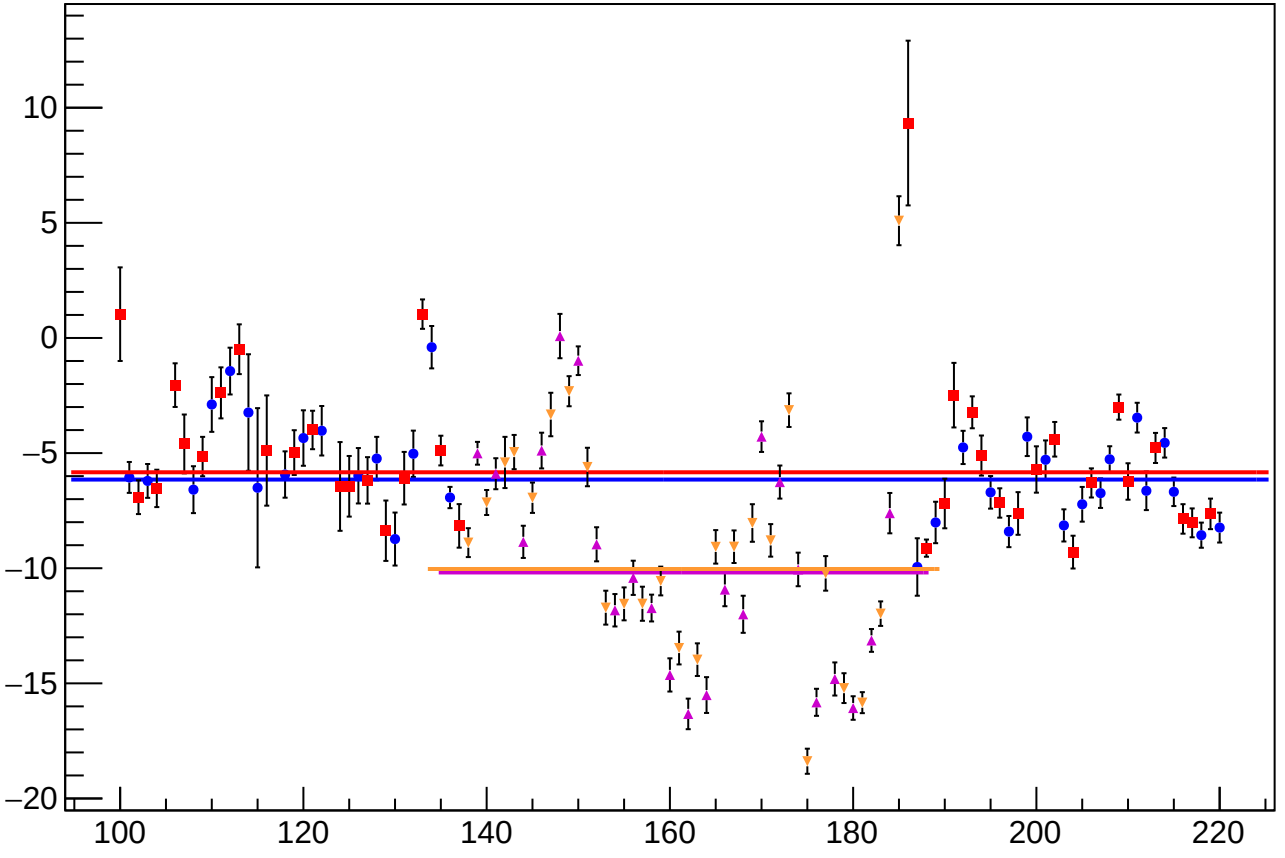
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -60.808+/-0.090 χ^2/NDF: 14454.0/57

All: -60.909+/-0.064 χ^2/NDF: 31159.3/117

- sign -61.013+/-0.091 χ^2/NDF: 16702.8/59

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -6.150+/-0.136 χ^2/NDF: 188.8/32

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.833+/-0.132 χ^2/NDF: 413.2/36

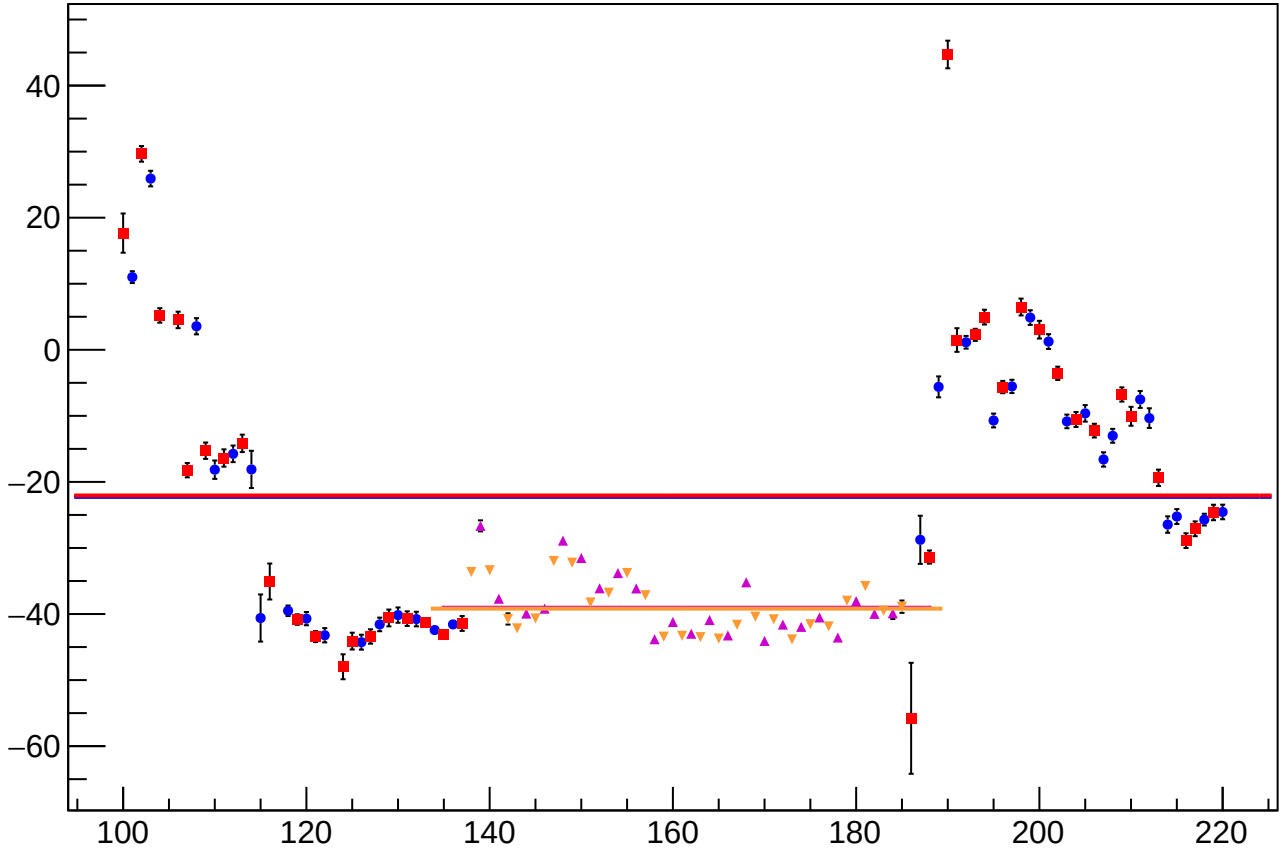
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.096+/-0.096 χ^2/NDF: 1776.9/57

All: -7.992+/-0.068 χ^2/NDF: 3850.8/117

- sign -7.890+/-0.096 χ^2/NDF: 2071.6/59

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -22.265+/-0.186 χ^2/NDF: 10756.0/32

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -22.058+/-0.181 χ^2/NDF: 13014.3/36

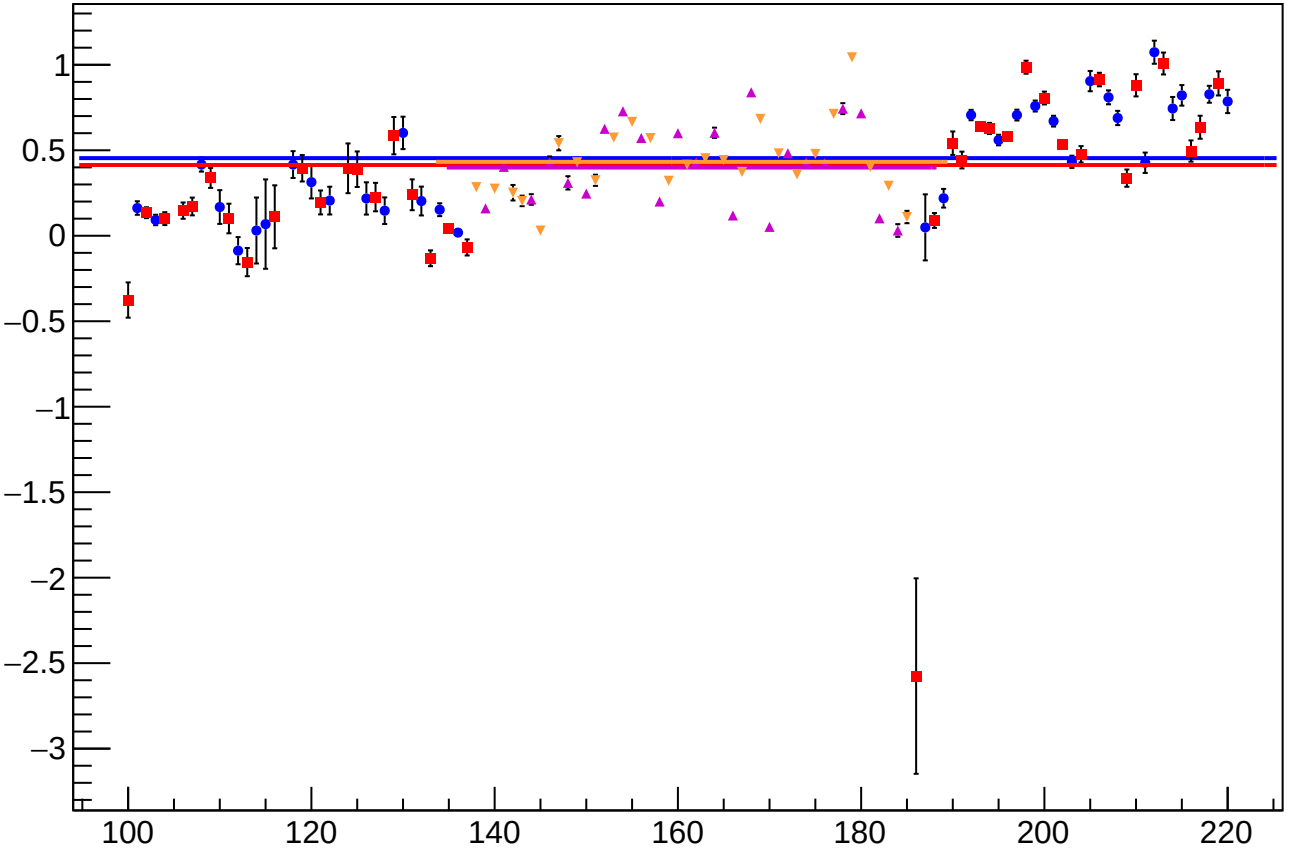
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -34.196+/-0.101 χ^2/NDF: 17648.7/57

All: -33.903+/-0.072 χ^2/NDF: 37897.4/117

- sign -33.600+/-0.102 χ^2/NDF: 20231.5/59

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.454+/-0.008 χ^2/NDF: 1462.8/32

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.414+/-0.008 χ^2/NDF: 1744.2/36

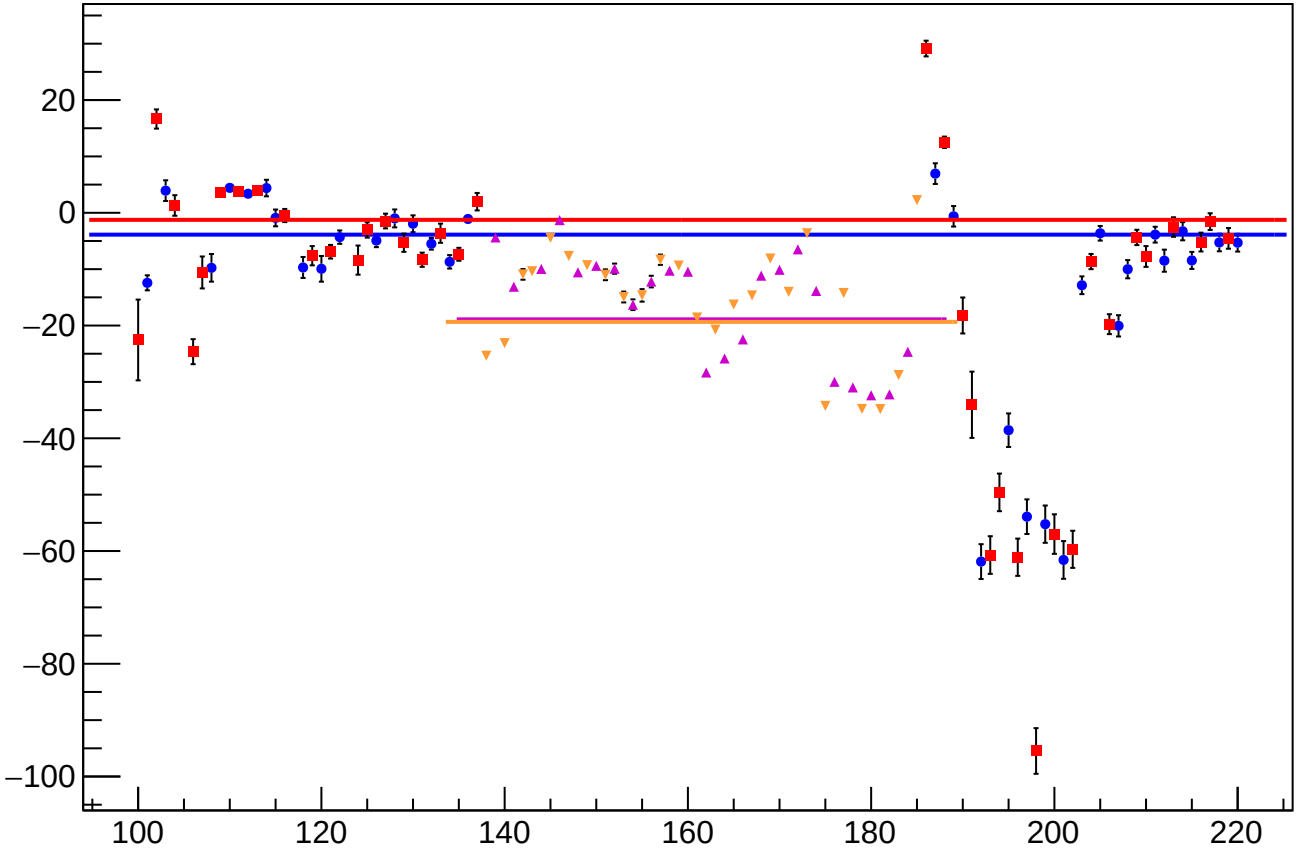
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.439+/-0.004 χ^2/NDF: 2836.6/57

All: 0.421+/-0.003 χ^2/NDF: 6539.1/117

- sign 0.404+/-0.004 χ^2/NDF: 3670.4/59

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -3.878+/-0.237 χ^2/NDF: 1895.9/32

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -1.249+/-0.227 χ^2/NDF: 3403.5/36

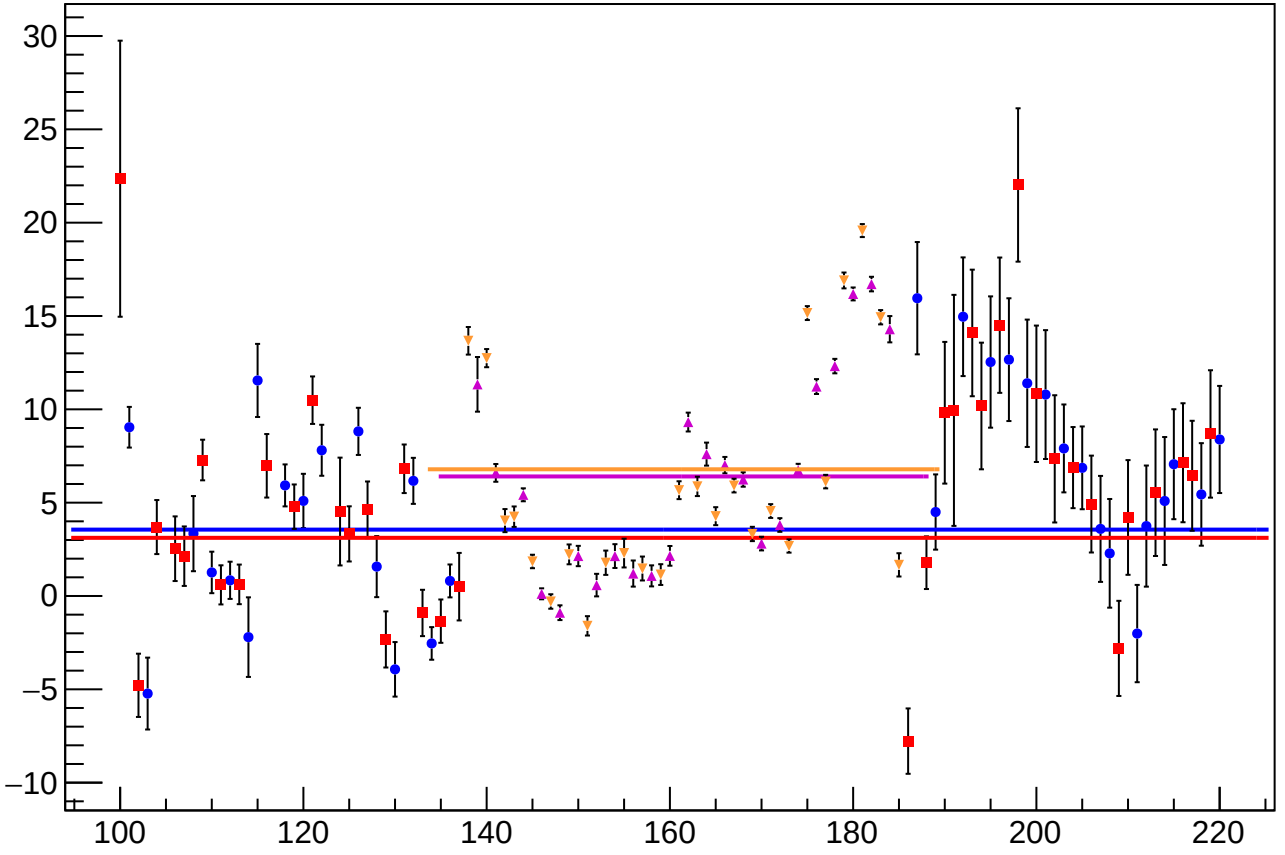
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.459+/-0.102 χ^2/NDF: 15767.3/57

All: -15.856+/-0.073 χ^2/NDF: 32319.5/117

- sign -15.240+/-0.103 χ^2/NDF: 16482.0/59

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.556+/-0.285 χ^2/NDF: 274.3/32

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

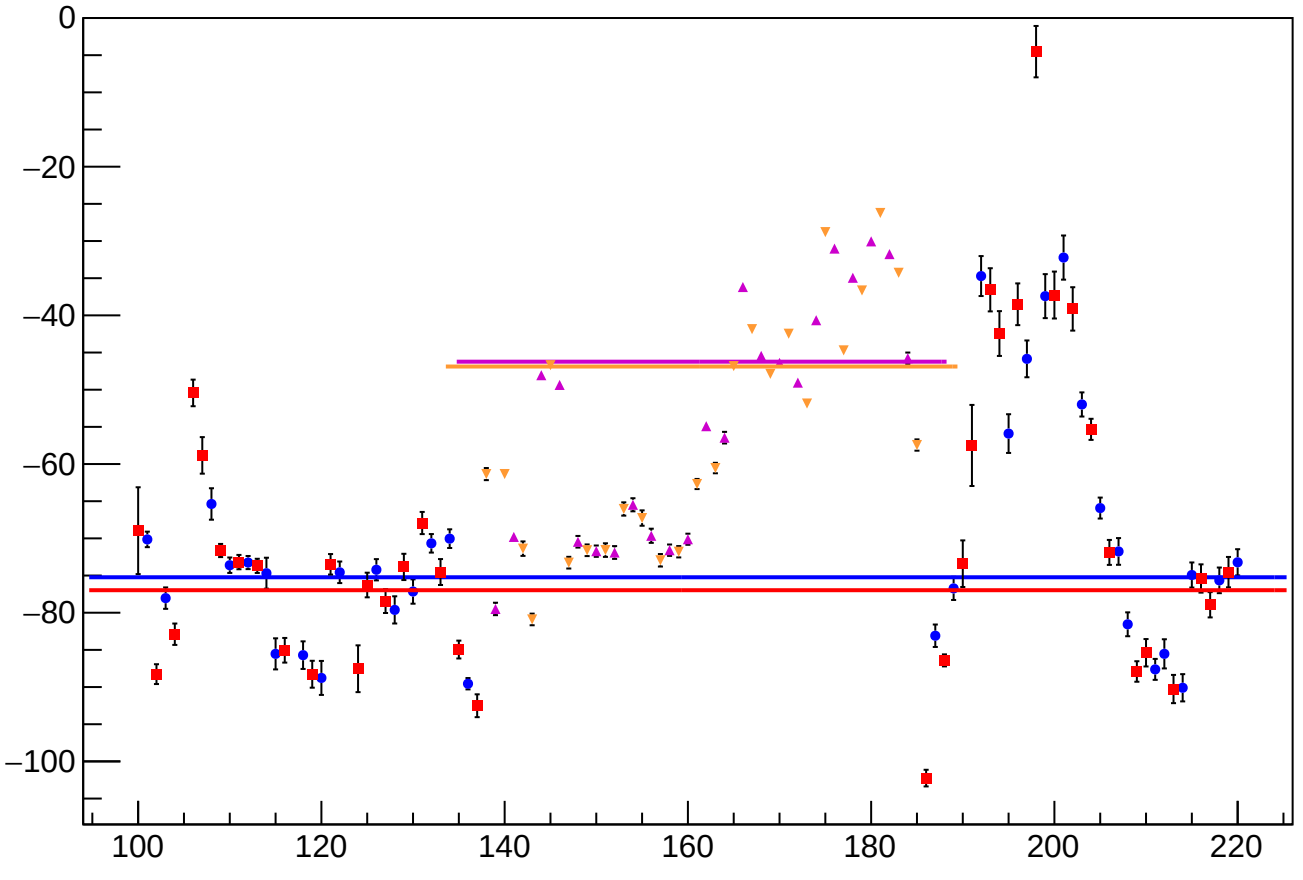
Right Out: 3.116+/-0.288 χ^2/NDF: 256.5/36

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.494+/-0.086 χ^2/NDF: 5023.6/57

All: 6.302+/-0.061 χ^2/NDF: 8818.9/117

- sign 6.105+/-0.087 χ^2/NDF: 3785.2/59



Right In: -75.231+/-0.262 χ^2/NDF: 1801.0/32

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

Right Out: -76.972+/-0.257 χ^2/NDF: 3014.1/36

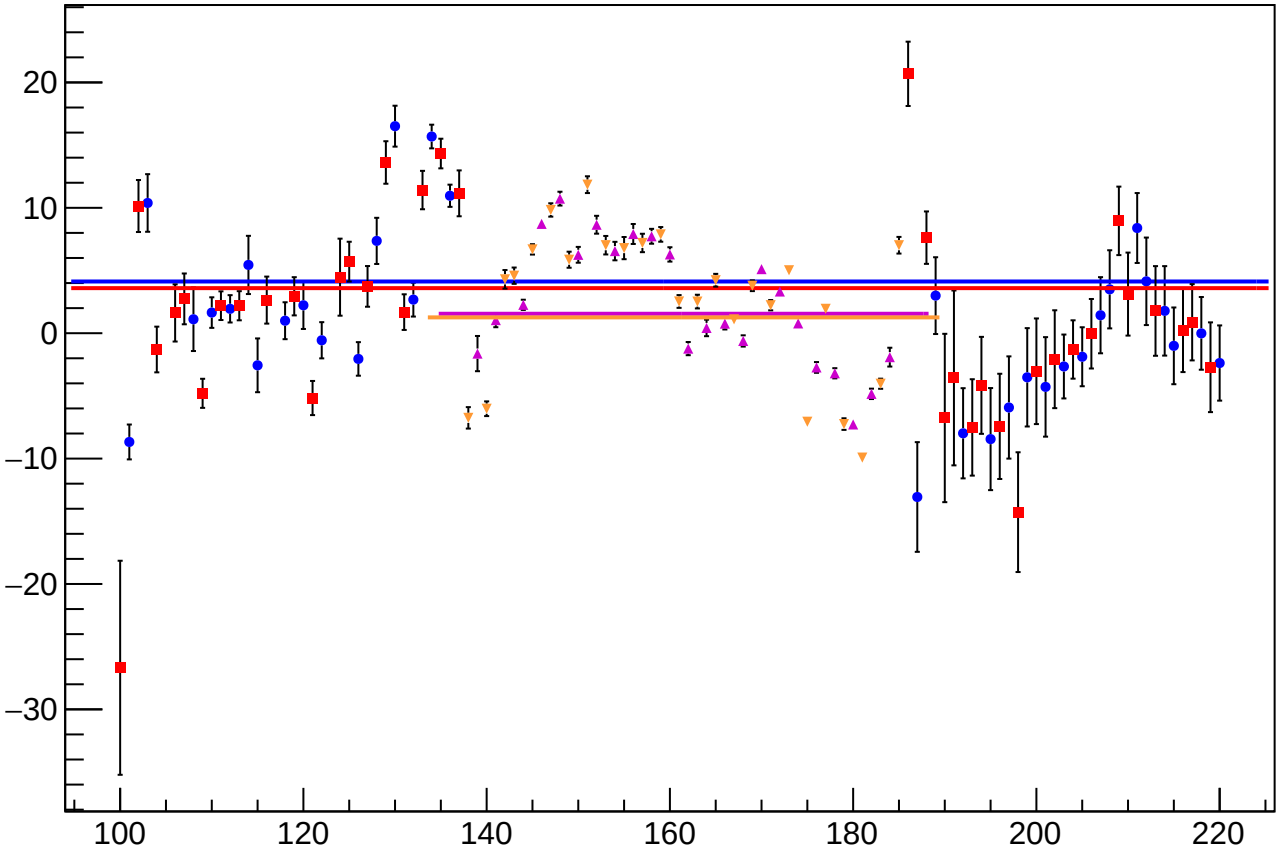
Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -51.389+/-0.104 χ^2/NDF: 29622.6/57

All: -51.429+/-0.074 χ^2/NDF: 59720.0/117

- sign -51.470+/-0.106 χ^2/NDF: 30097.1/59

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 4.125+/-0.319 χ^2/NDF: 498.2/32

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.595+/-0.327 χ^2/NDF: 396.7/36

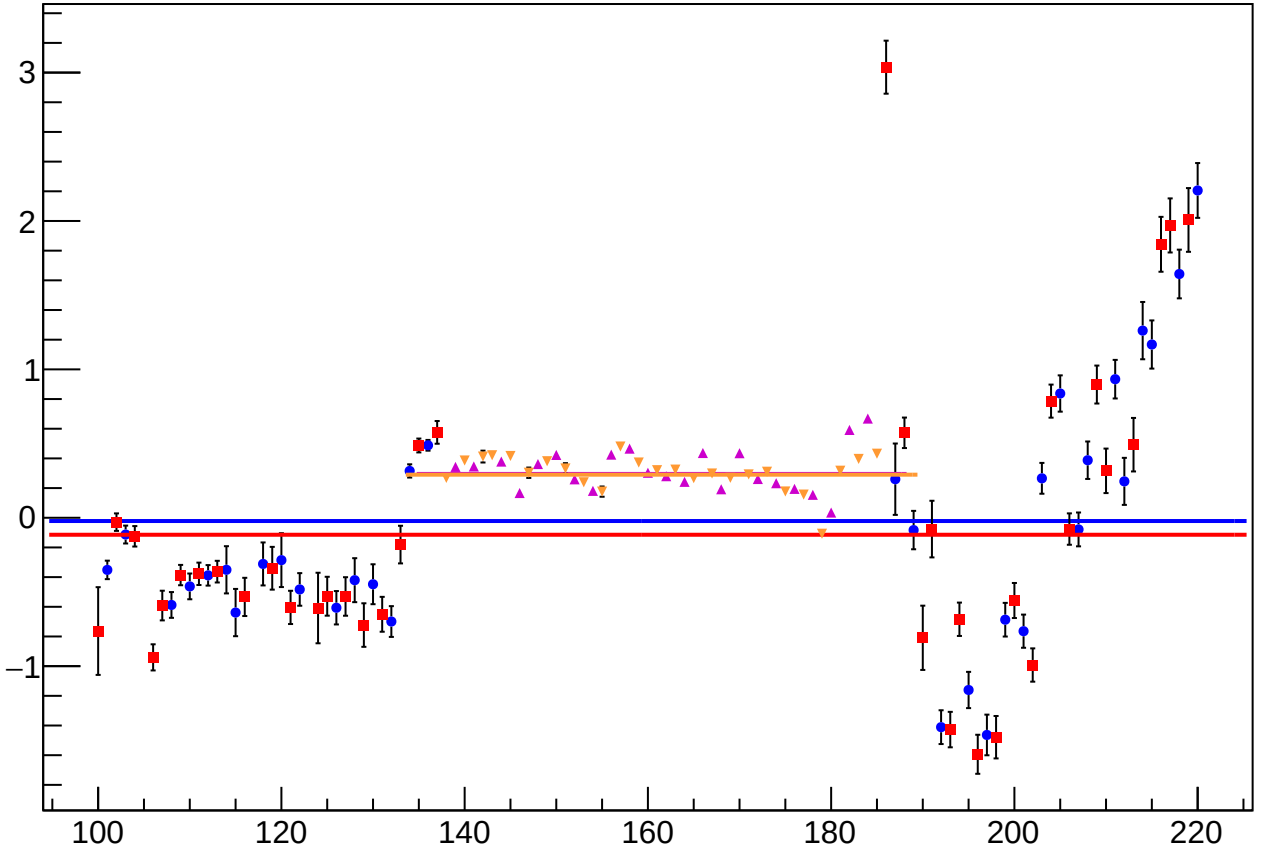
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.520+/-0.096 χ^2/NDF: 4017.2/57

All: 1.624+/-0.068 χ^2/NDF: 6787.6/117

- sign 1.732+/-0.097 χ^2/NDF: 2767.9/59

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.022+/-0.016 χ^2/NDF: 1410.2/32

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.114+/-0.017 χ^2/NDF: 1792.7/36

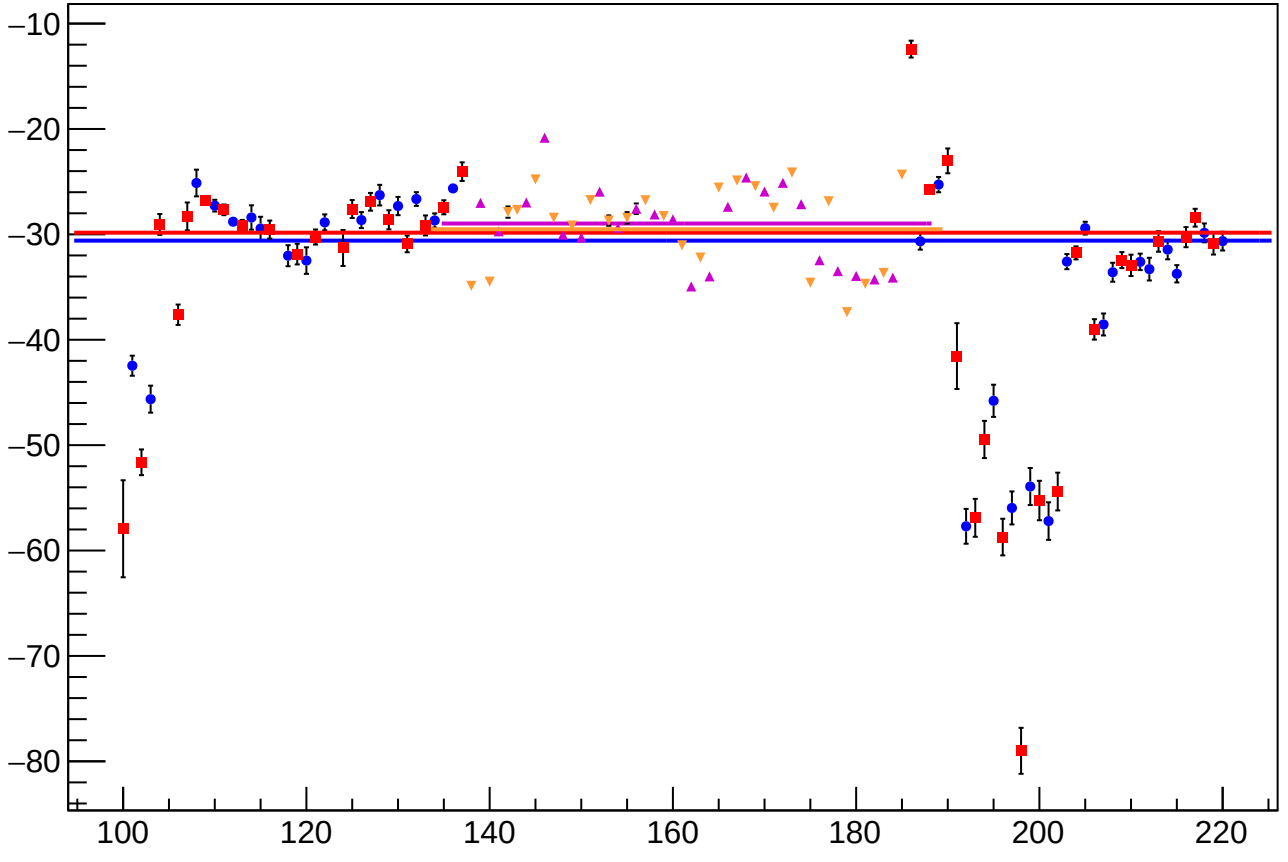
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.268+/-0.004 χ^2/NDF: 2469.6/57

All: 0.268+/-0.003 χ^2/NDF: 5833.5/117

- sign 0.268+/-0.004 χ^2/NDF: 3363.9/59

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.594+/-0.143 χ^2/NDF: 1784.6/32

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.841+/-0.140 χ^2/NDF: 2809.8/36

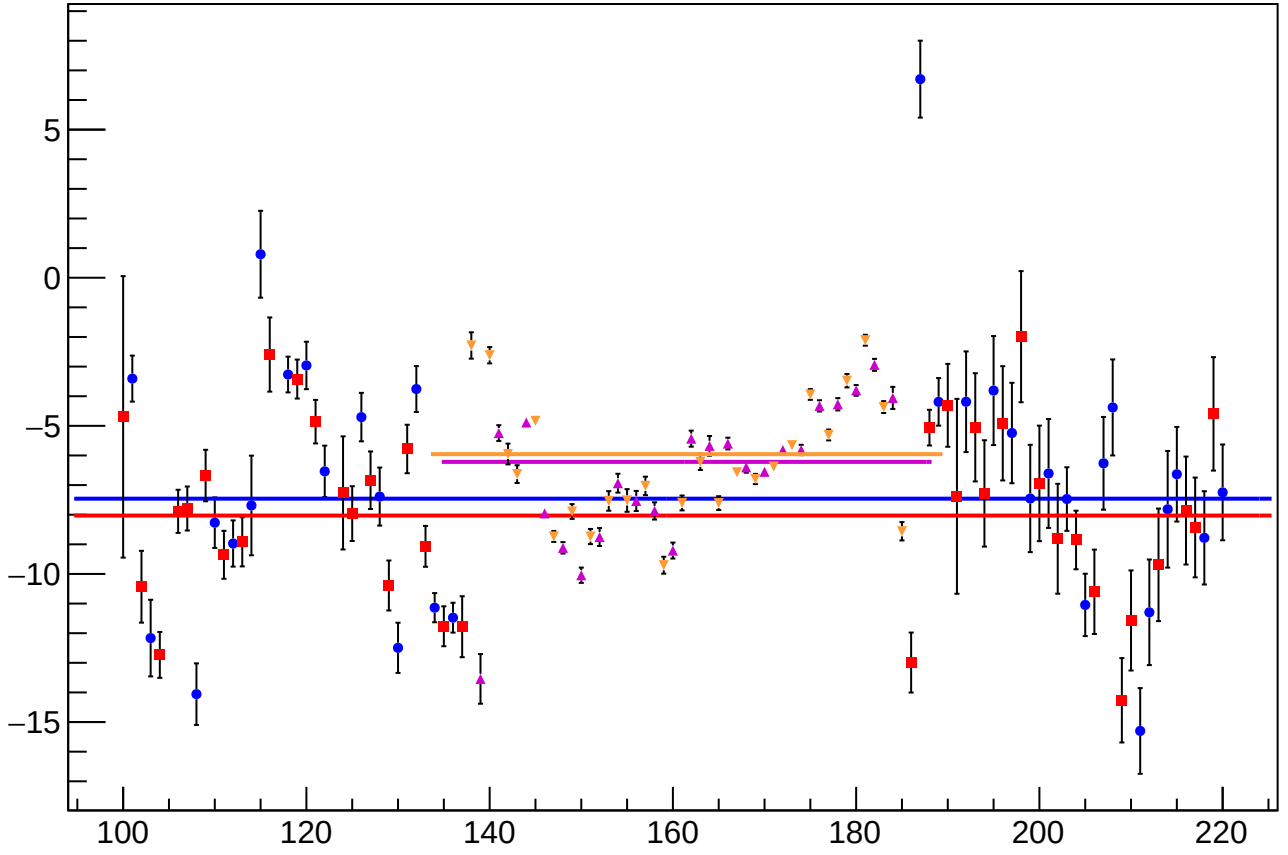
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.660+/-0.052 χ^2/NDF: 7922.1/57

All: -29.379+/-0.037 χ^2/NDF: 16171.5/117

- sign -29.094+/-0.053 χ^2/NDF: 8191.4/59

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.459+/-0.169 χ^2/NDF: 583.0/32

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -8.029+/-0.168 χ^2/NDF: 298.0/36

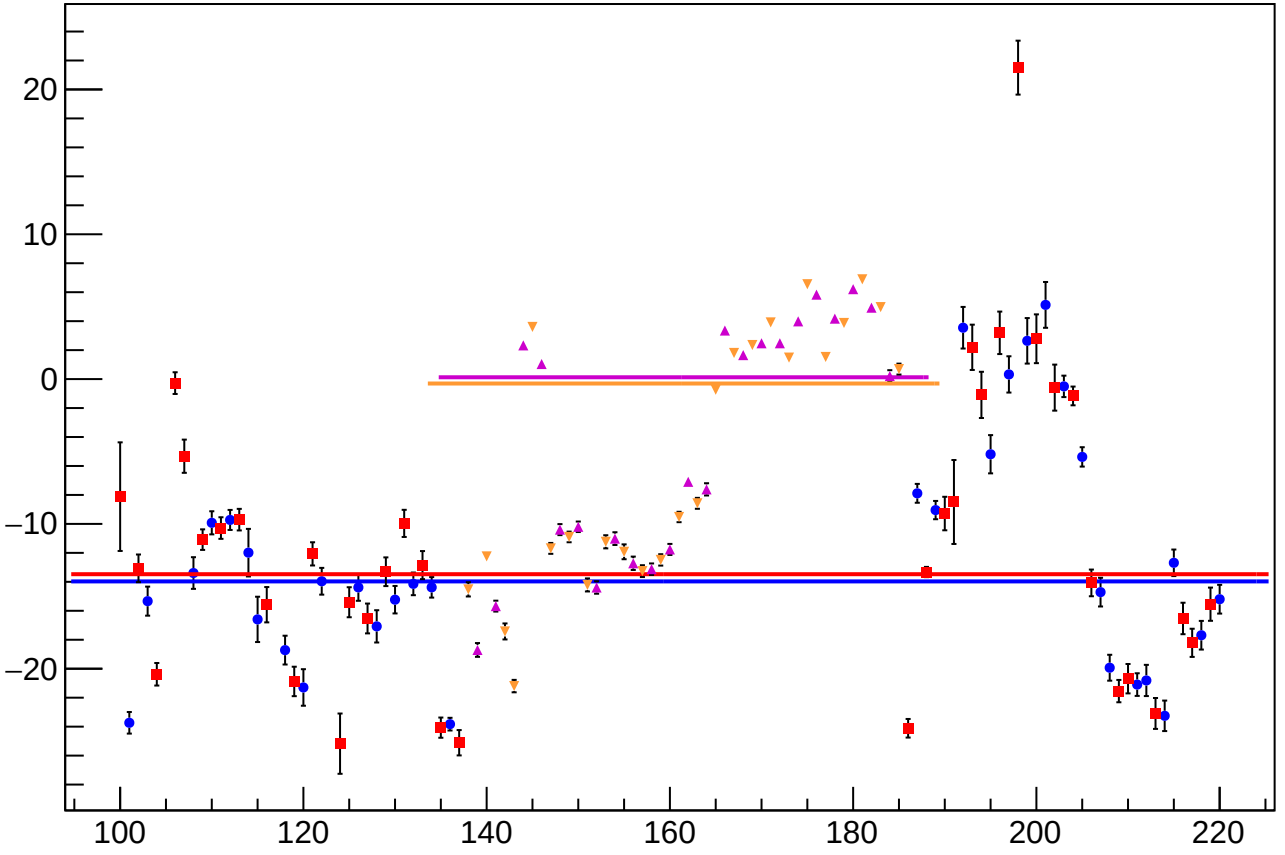
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.053+/-0.043 χ^2/NDF: 2514.4/57

All: -6.194+/-0.030 χ^2/NDF: 4684.3/117

- sign -6.334+/-0.043 χ^2/NDF: 2148.4/59

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -13.971+/-0.152 χ^2/NDF: 2303.4/32

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -13.473+/-0.147 χ^2/NDF: 2751.9/36

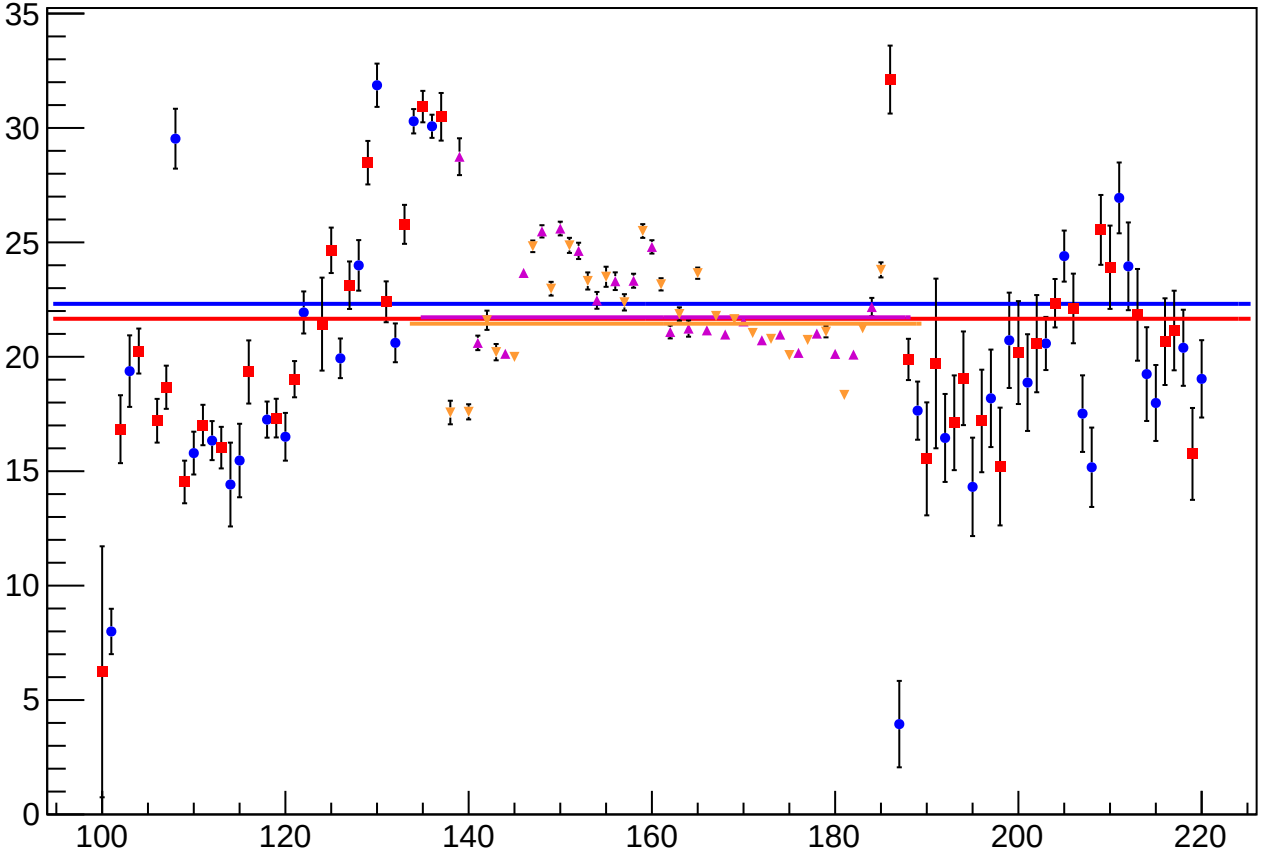
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.963+/-0.053 χ^2/NDF: 26562.7/57

All: -1.807+/-0.038 χ^2/NDF: 50600.2/117

- sign -1.650+/-0.053 χ^2/NDF: 24020.2/59

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.314+/-0.191 χ^2/NDF: 1218.1/32

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.661+/-0.195 χ^2/NDF: 653.1/36

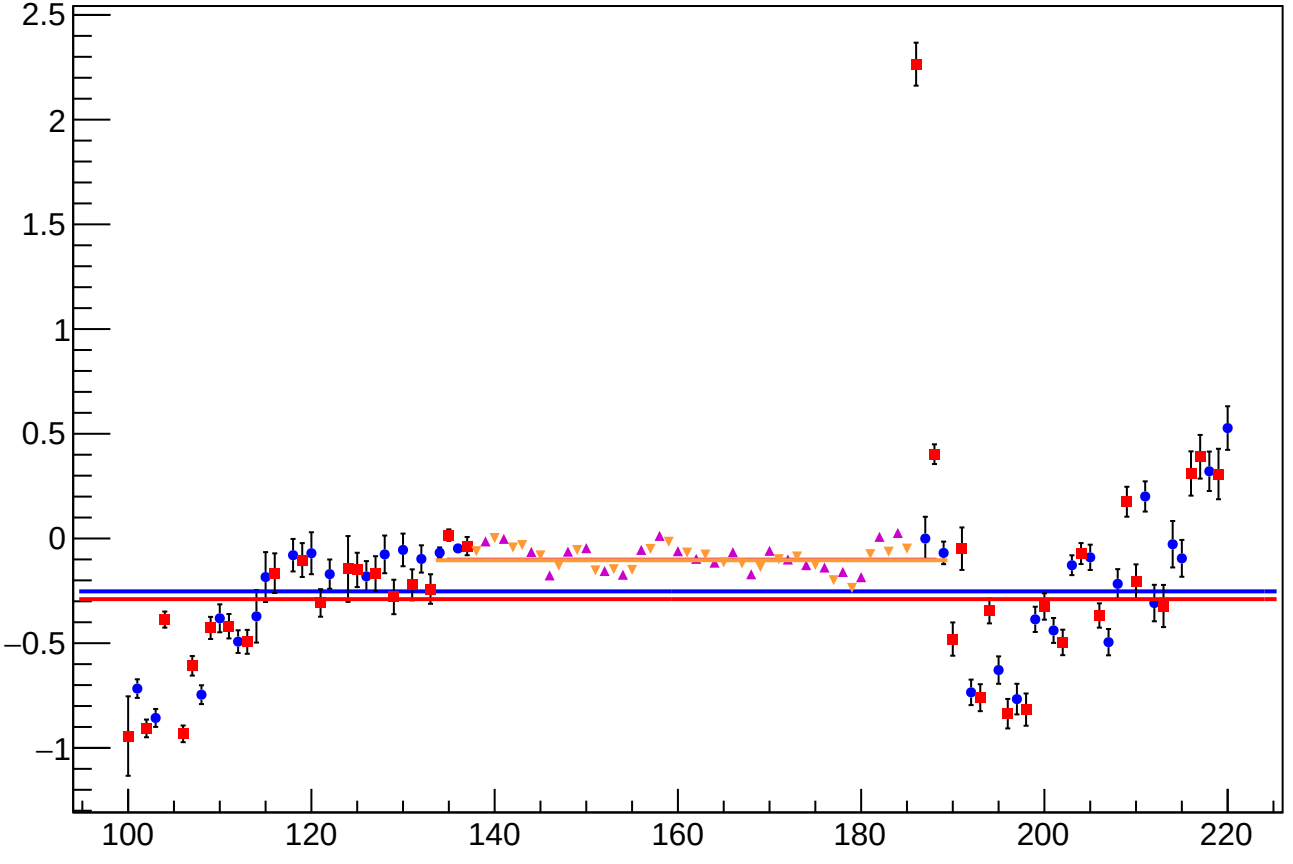
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.501+/-0.048 χ^2/NDF: 2562.5/57

All: 21.611+/-0.034 χ^2/NDF: 4400.0/117

- sign 21.721+/-0.048 χ^2/NDF: 1826.9/59

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.253+/-0.010 χ^2/NDF: 981.0/32

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.290+/-0.010 χ^2/NDF: 1923.0/36

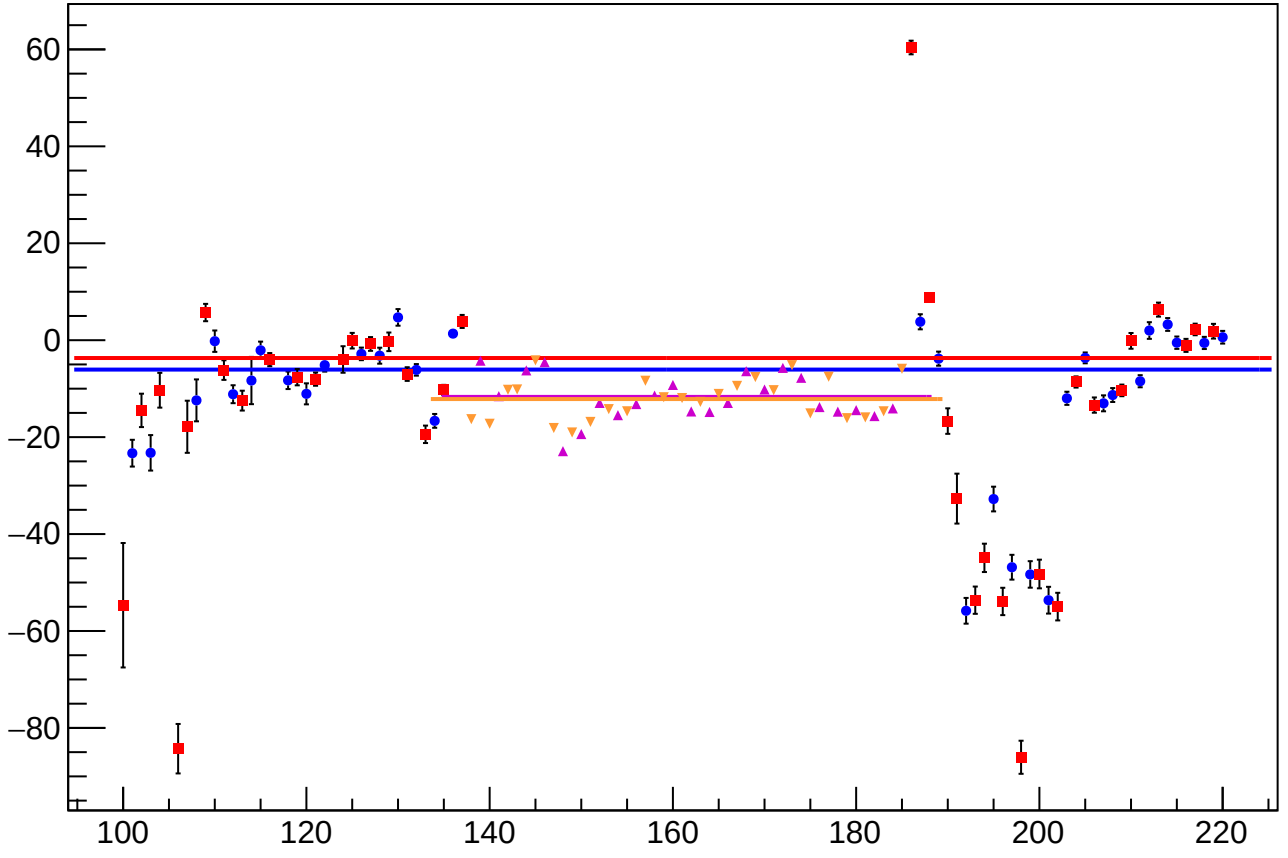
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.111+/-0.002 χ^2/NDF: 1758.6/57

All: -0.111+/-0.002 χ^2/NDF: 4782.8/117

- sign -0.110+/-0.002 χ^2/NDF: 3024.1/59

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -6.062+/-0.267 χ^2/NDF: 1801.2/32

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

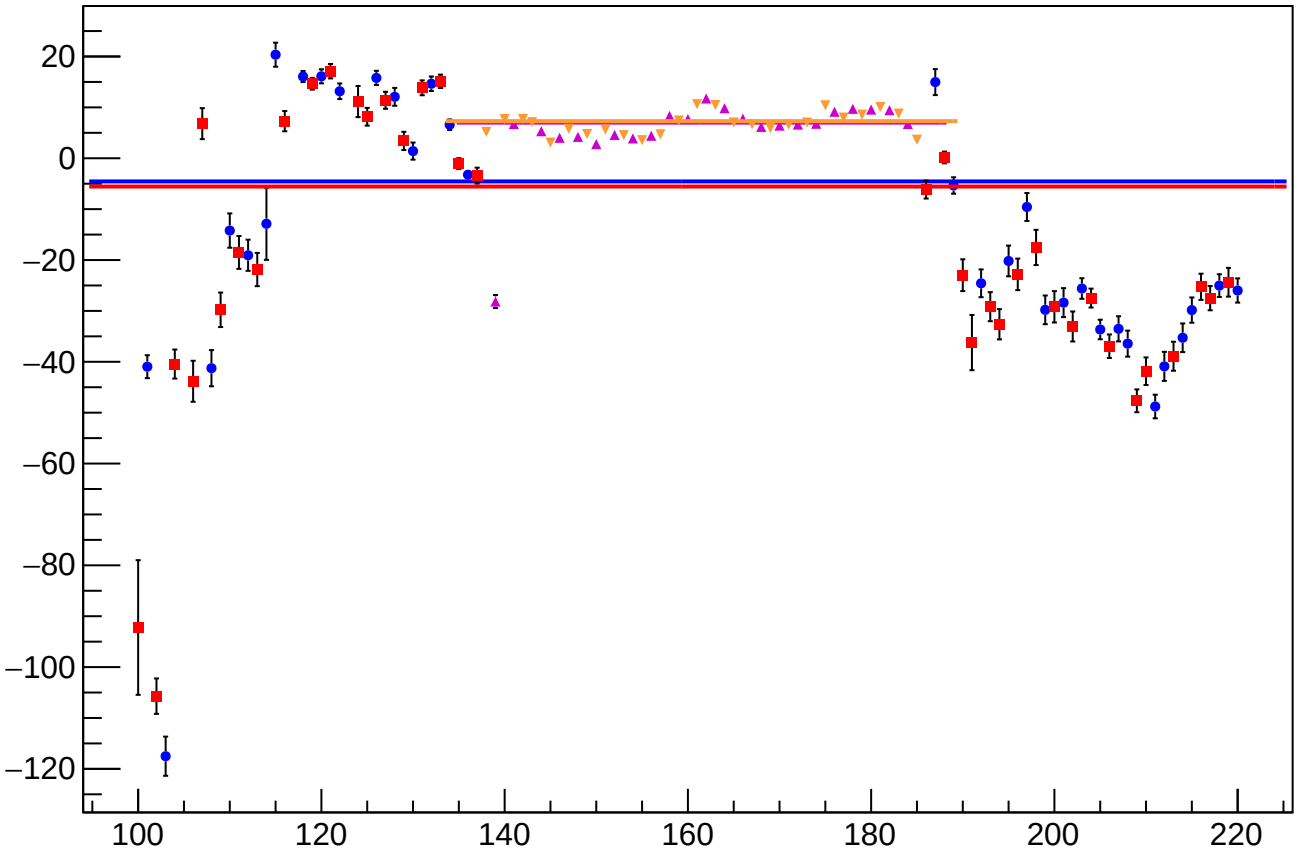
Right Out: -3.676+/-0.275 χ^2/NDF: 5008.6/36

Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.503+/-0.087 χ^2/NDF: 4396.0/57

All: -11.187+/-0.062 χ^2/NDF: 12146.9/117

- sign -10.852+/-0.089 χ^2/NDF: 7723.4/59



Right In: -4.554+/-0.321 χ^2/NDF: 4532.9/32

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -5.560+/-0.336 χ^2/NDF: 4096.5/36

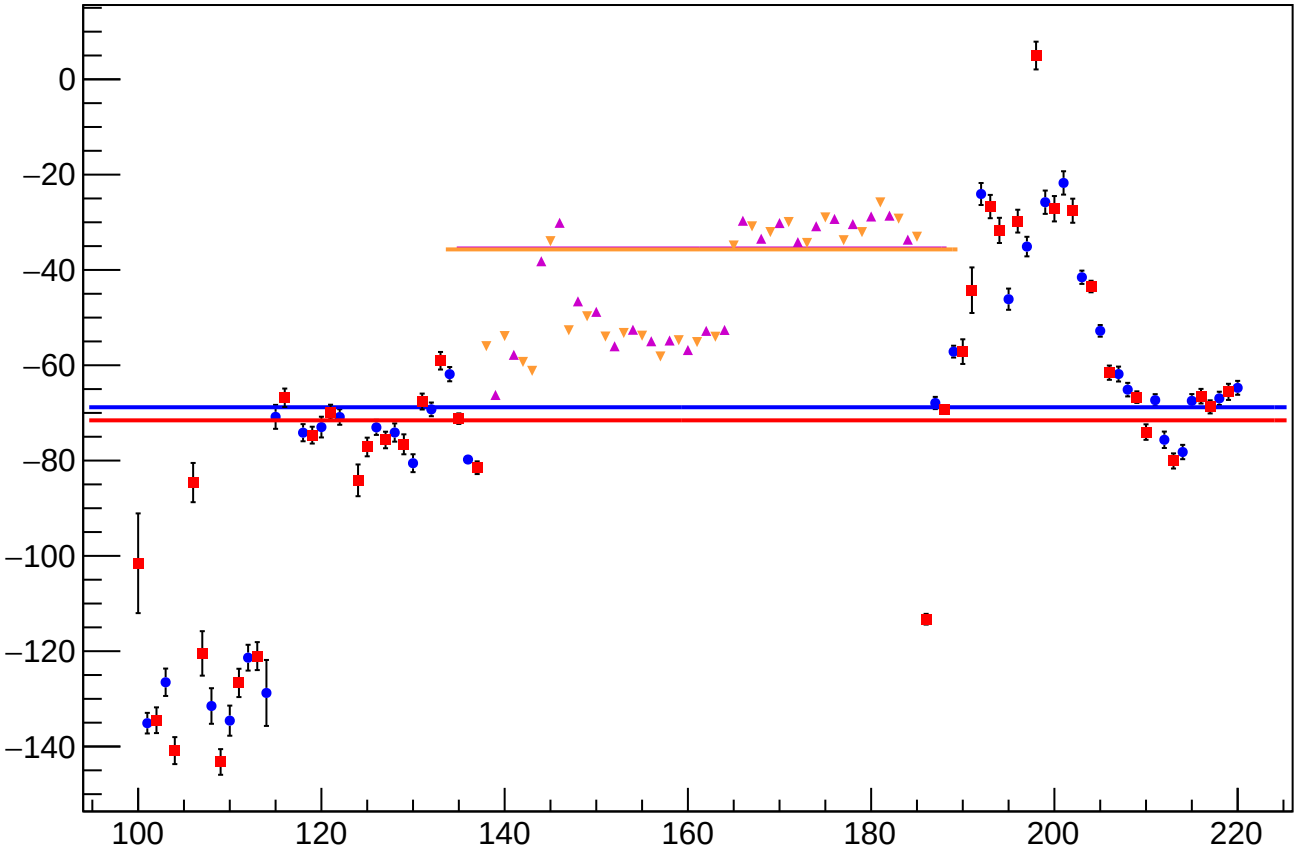
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 6.684+/-0.073 χ^2/NDF: 6649.1/57

All: 6.541+/-0.052 χ^2/NDF: 13657.9/117

- sign 6.393+/-0.074 χ^2/NDF: 7000.9/59

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -68.810+/-0.278 χ^2/NDF: 5021.0/32

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -71.560+/-0.280 χ^2/NDF: 7006.6/36

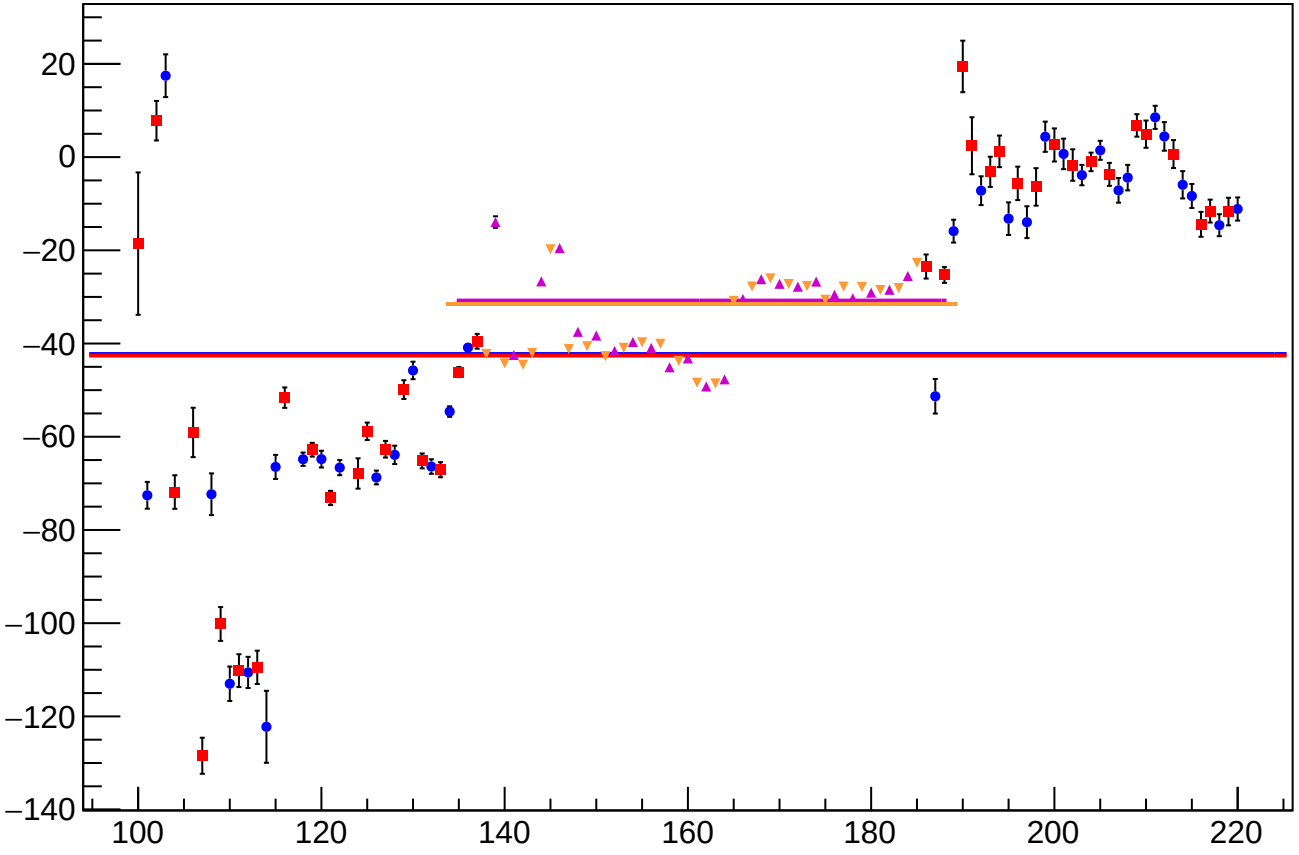
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -38.976+/-0.088 χ^2/NDF: 30591.2/57

All: -39.079+/-0.063 χ^2/NDF: 63639.6/117

- sign -39.188+/-0.090 χ^2/NDF: 33045.5/59

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -42.262+/-0.358 χ^2/NDF: 5913.7/32

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -42.570+/-0.383 χ^2/NDF: 6110.9/36

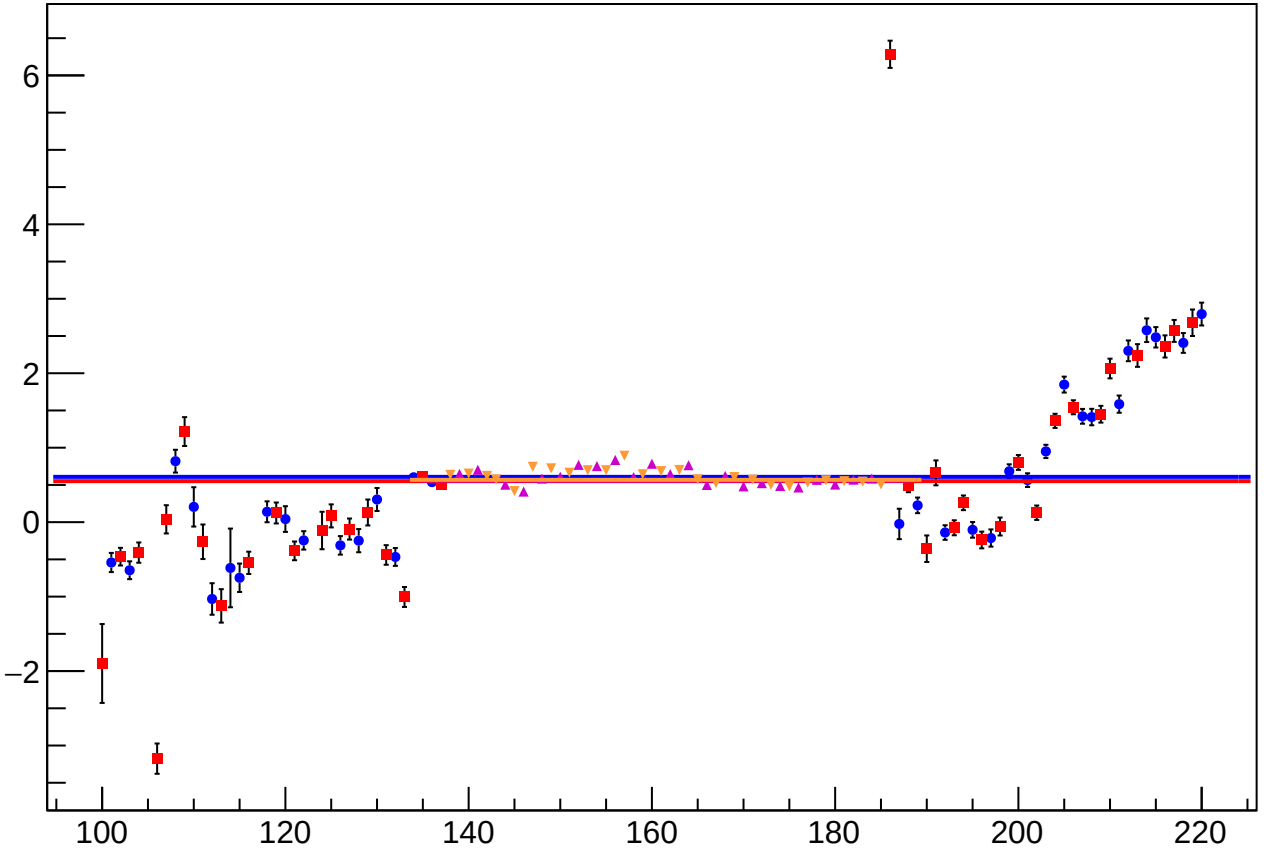
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.066+/-0.081 χ^2/NDF: 15227.9/57

All: -31.707+/-0.058 χ^2/NDF: 29828.9/117

- sign -31.332+/-0.082 χ^2/NDF: 14560.4/59

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.608+/-0.018 χ^2/NDF: 1946.2/32

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.551+/-0.019 χ^2/NDF: 3059.5/36

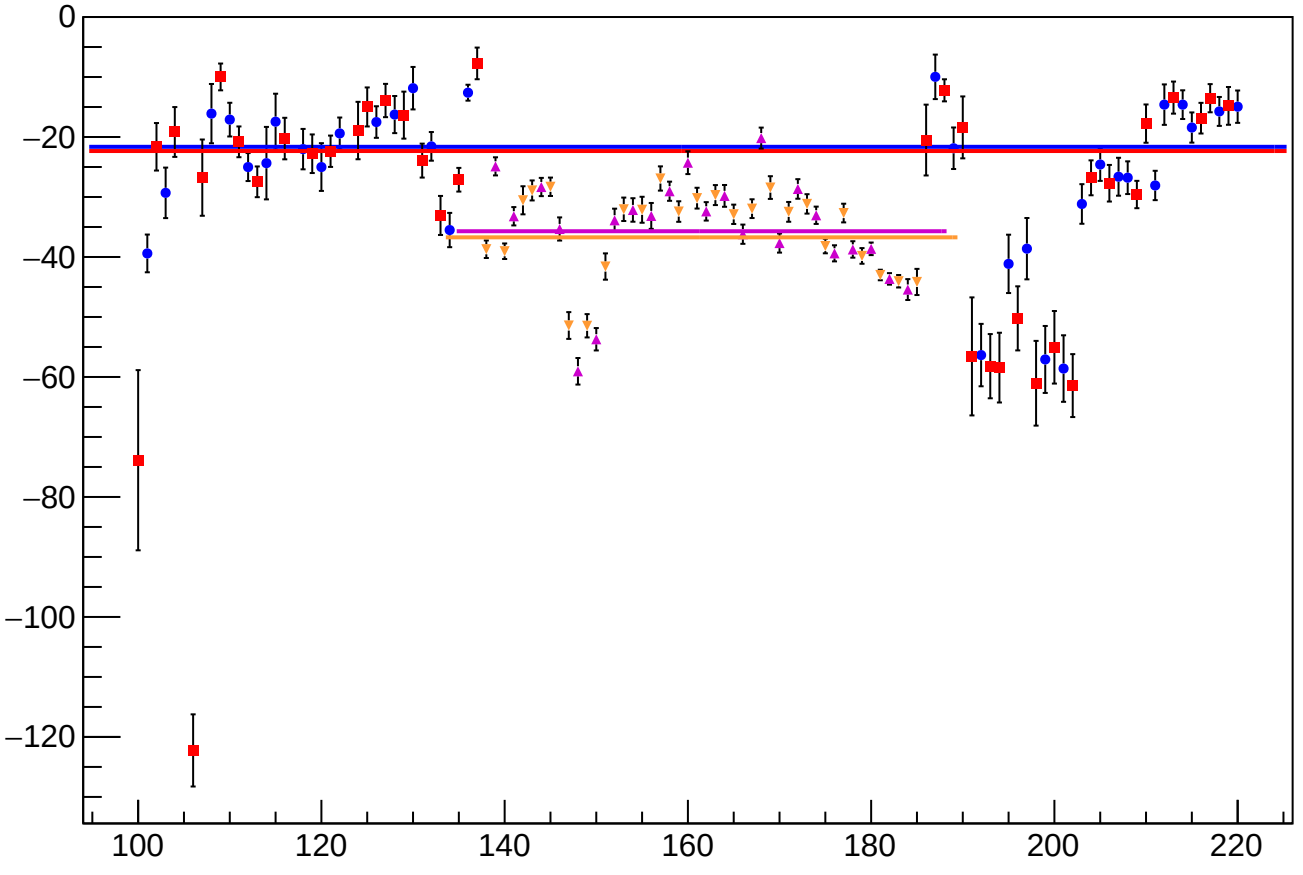
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.570+/-0.004 χ^2/NDF: 2505.8/57

All: 0.565+/-0.003 χ^2/NDF: 6241.0/117

- sign 0.560+/-0.004 χ^2/NDF: 3731.2/59

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -21.635+/-0.515 χ^2/NDF: 342.1/32

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -22.338+/-0.526 χ^2/NDF: 710.8/36

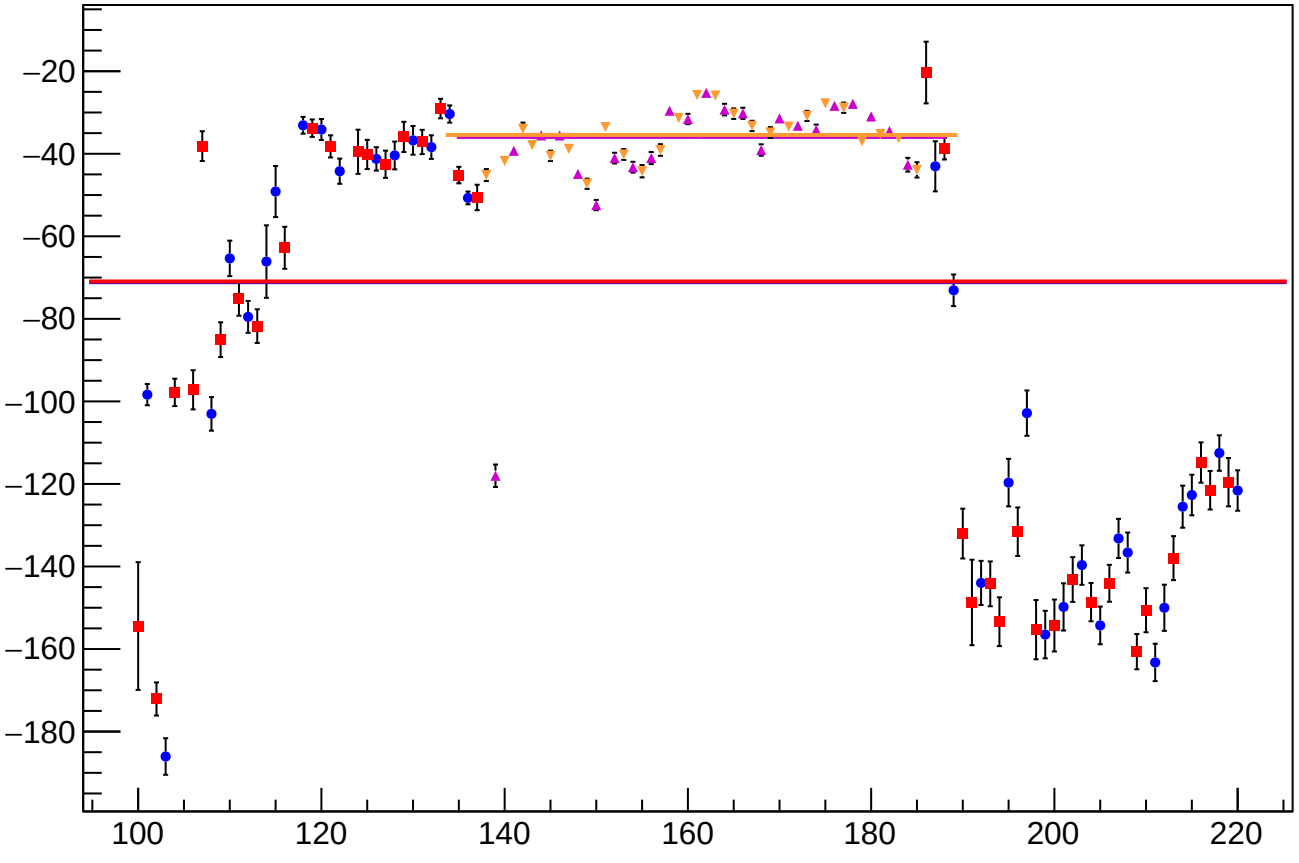
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -32.709+/-0.266 χ^2/NDF: 1392.5/57

All: -32.389+/-0.191 χ^2/NDF: 3153.4/117

- sign -32.046+/-0.275 χ^2/NDF: 1757.9/59

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -71.106+/-0.610 χ^2/NDF: 5130.4/32

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -70.944+/-0.633 χ^2/NDF: 5220.6/36

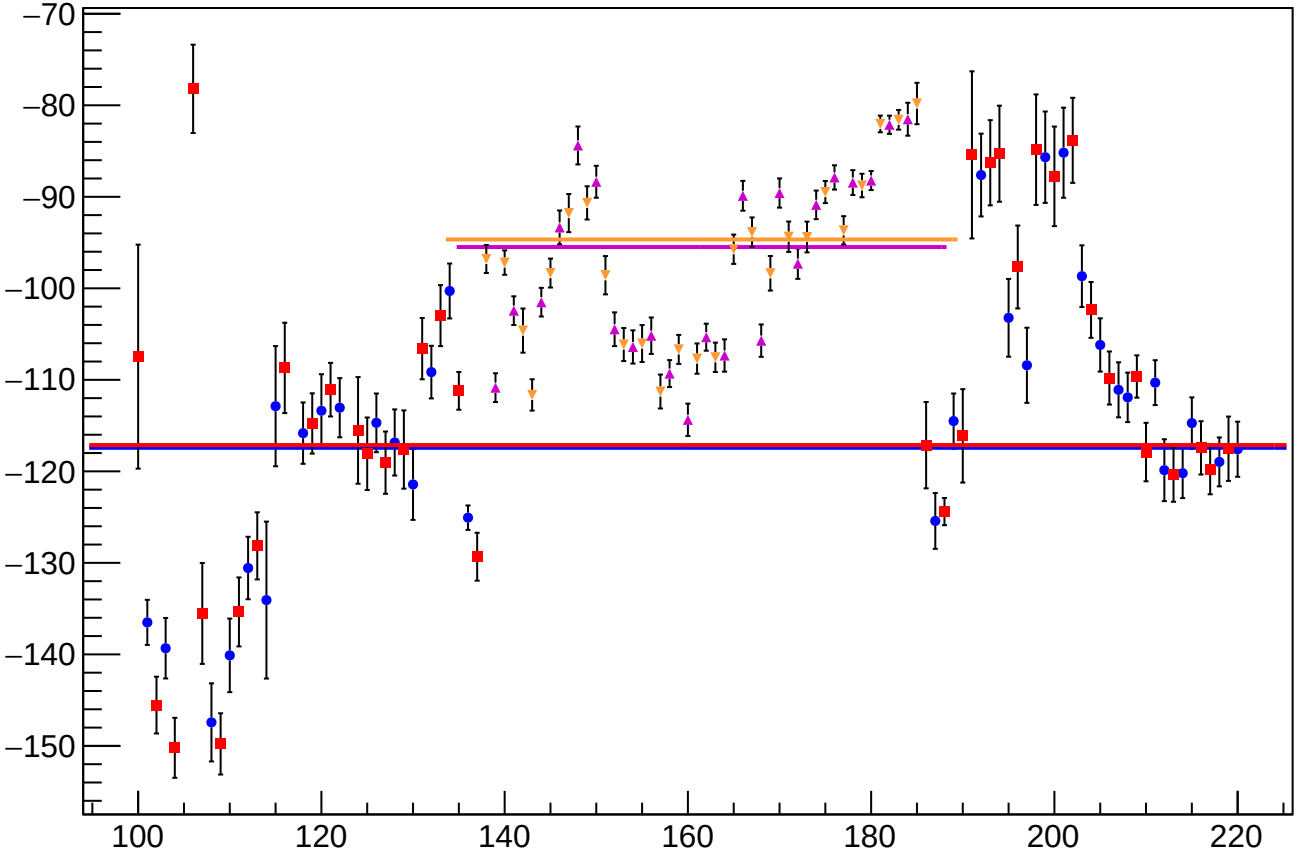
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -40.385+/-0.227 χ^2/NDF: 8608.1/57

All: -40.603+/-0.164 χ^2/NDF: 18004.8/117

- sign -40.840+/-0.237 χ^2/NDF: 9394.8/59

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -117.425+/-0.538 χ^2/NDF: 499.1/32

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -117.127+/-0.550 χ^2/NDF: 743.3/36

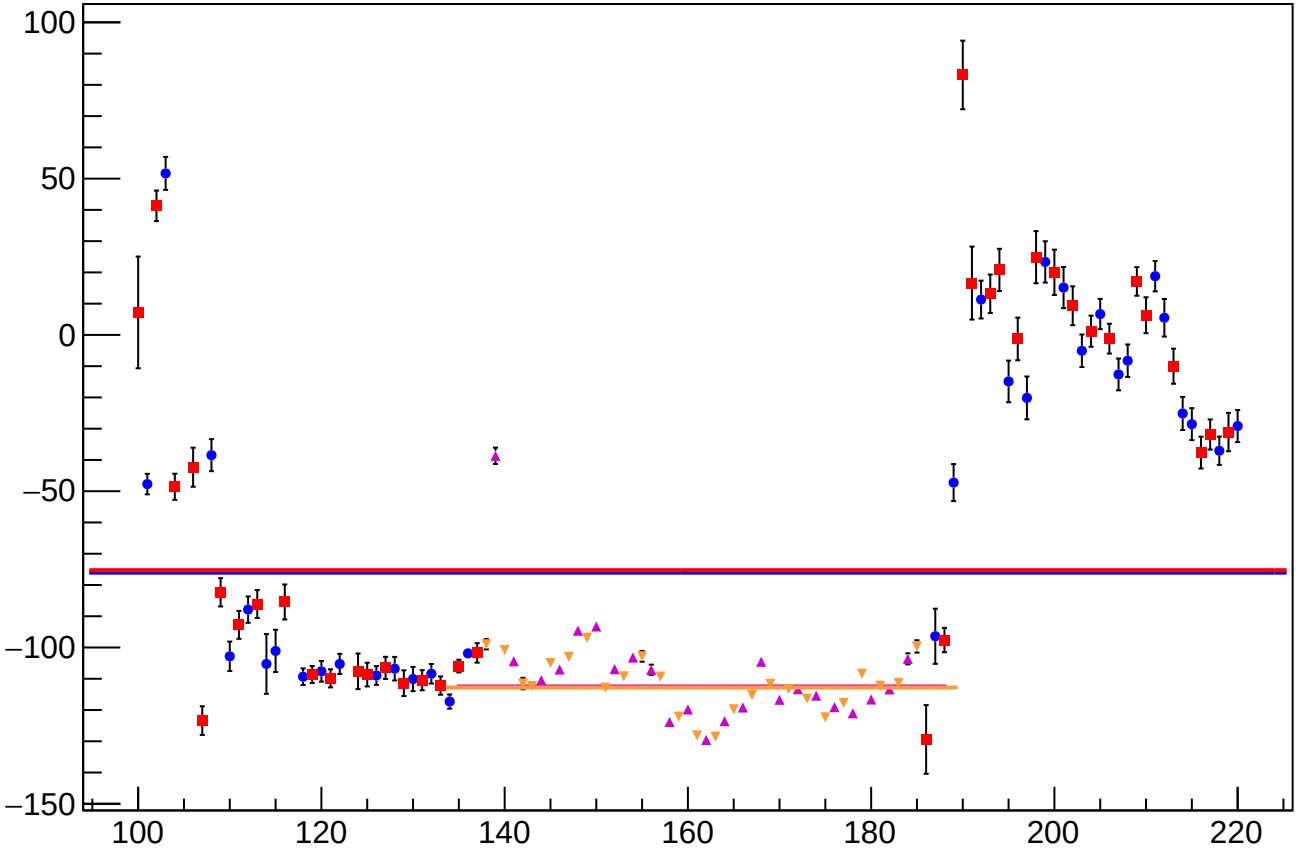
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -100.338+/-0.268 χ^2/NDF: 2744.8/57

All: -100.656+/-0.193 χ^2/NDF: 5616.0/117

- sign -100.995+/-0.277 χ^2/NDF: 2868.3/59

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -76.051+/-0.684 χ^2/NDF: 4596.2/32

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -75.259+/-0.720 χ^2/NDF: 4698.0/36

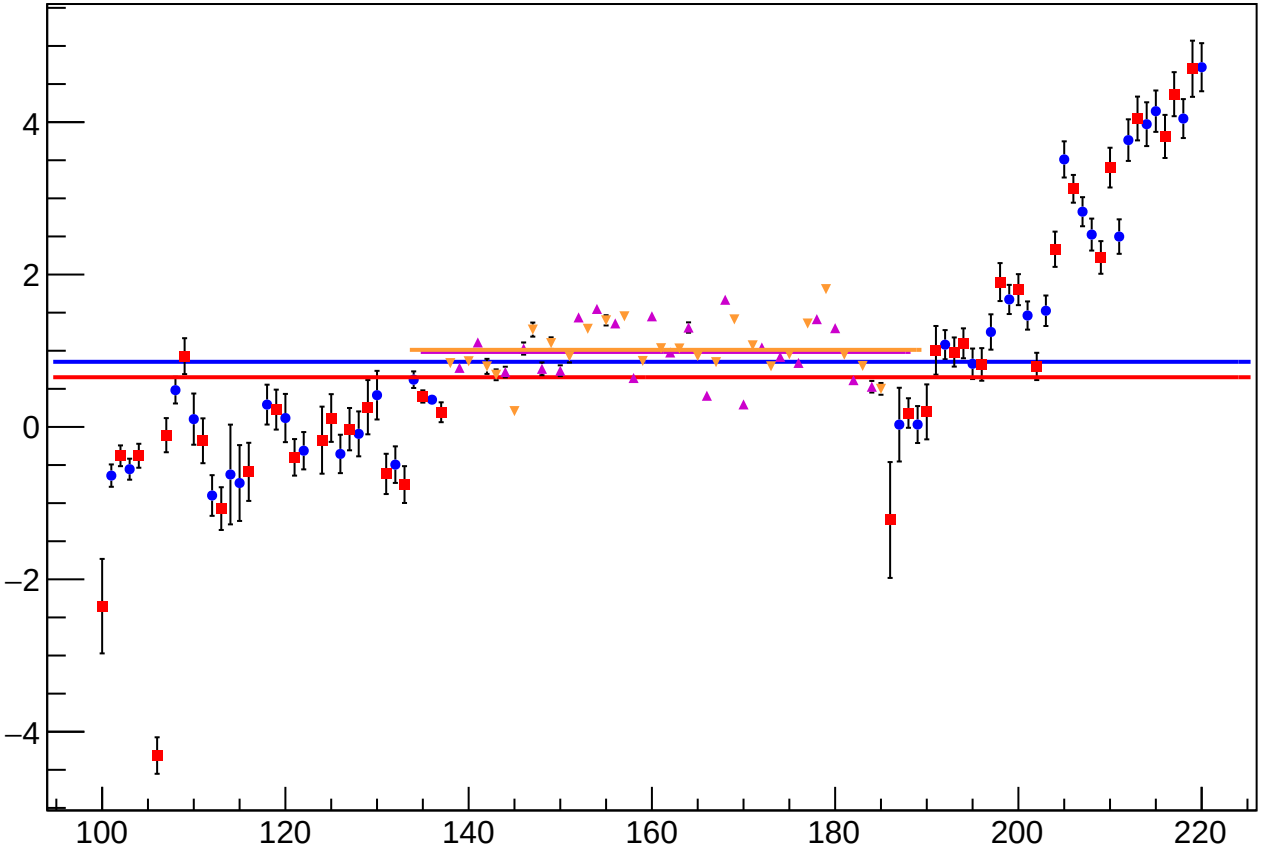
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -107.717+/-0.254 χ^2/NDF: 8016.4/57

All: -107.579+/-0.183 χ^2/NDF: 16813.0/117

- sign -107.430+/-0.265 χ^2/NDF: 8796.1/59

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.855+/-0.033 χ^2/NDF: 1532.1/32

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.652+/-0.035 χ^2/NDF: 1770.7/36

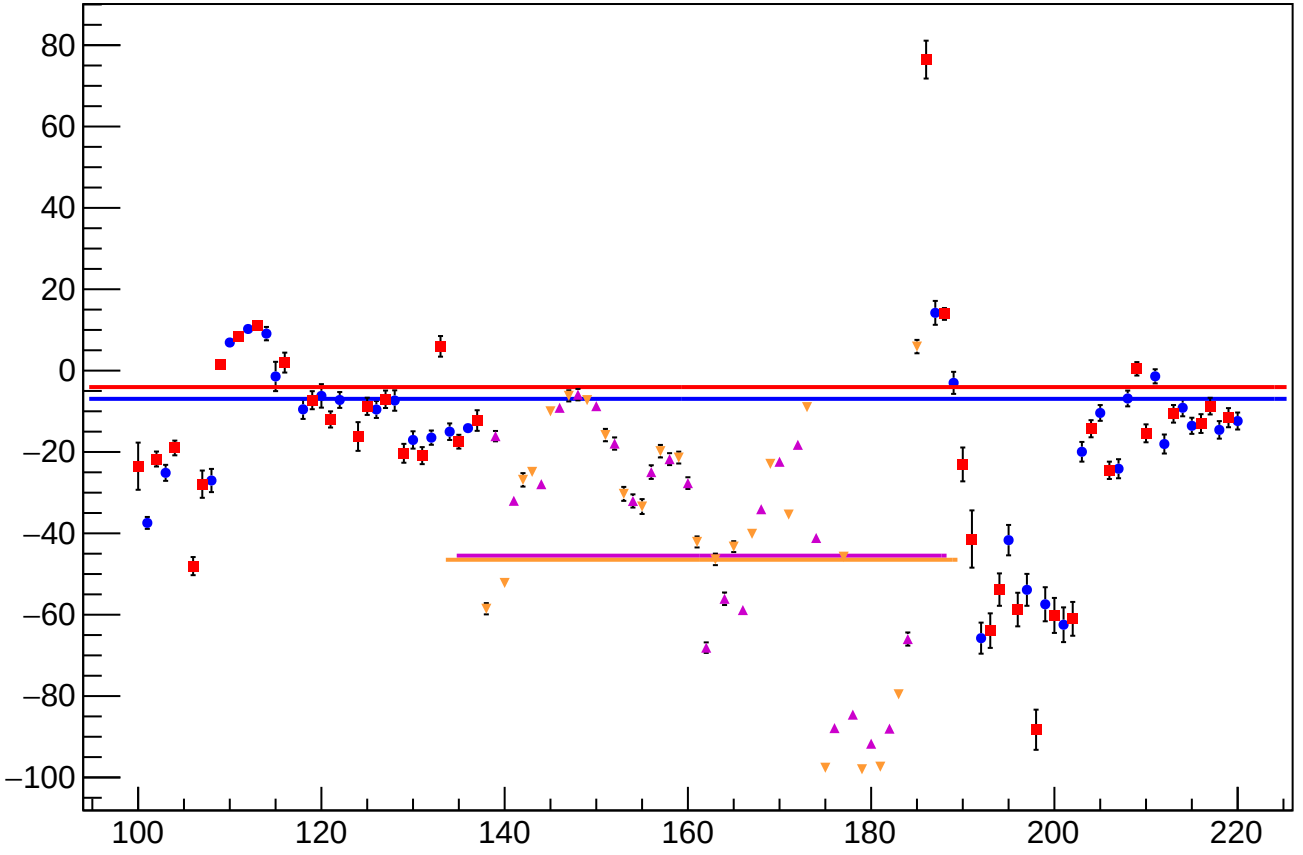
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.993+/-0.011 χ^2/NDF: 2243.1/57

All: 0.970+/-0.008 χ^2/NDF: 5001.6/117

- sign 0.946+/-0.012 χ^2/NDF: 2750.6/59

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -6.940+/-0.317 χ^2/NDF: 2597.0/32

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -4.046+/-0.295 χ^2/NDF: 3452.0/36

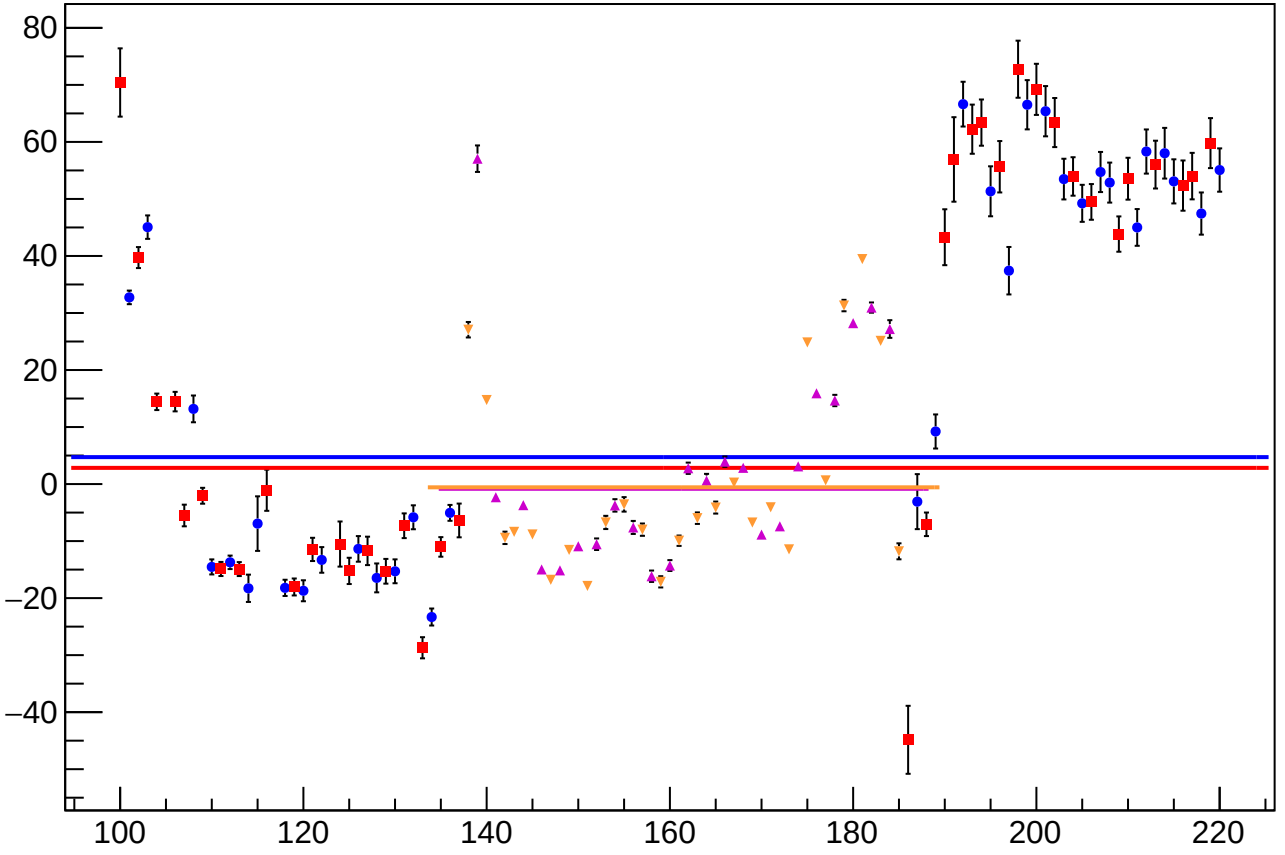
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

+ sign -32.856+/-0.186 χ^2/NDF: 32832.5/57

All: -31.000+/-0.131 χ^2/NDF: 64024.1/117

- sign -29.167+/-0.185 χ^2/NDF: 30994.2/59

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 4.725+/-0.390 χ^2/NDF: 5174.1/32

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: 2.841+/-0.383 χ^2/NDF: 4700.5/36

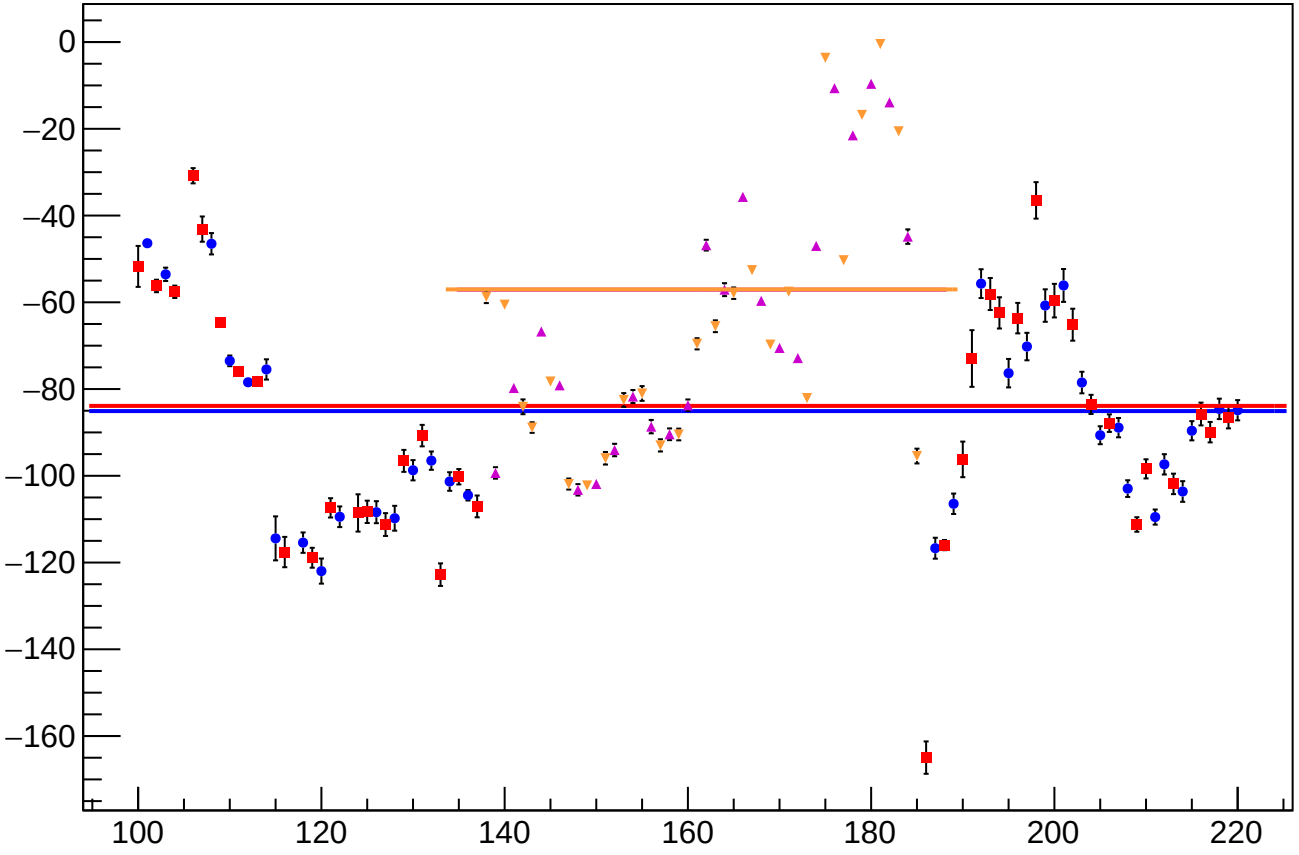
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

\+ sign 0.335+/-0.161 χ^2/NDF: 13778.5/57

All: 0.101+/-0.115 χ^2/NDF: 24674.7/117

\- sign -0.145+/-0.165 χ^2/NDF: 10891.9/59

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -85.080+/-0.351 χ^2/NDF: 3807.5/32

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -83.884+/-0.338 χ^2/NDF: 5297.7/36

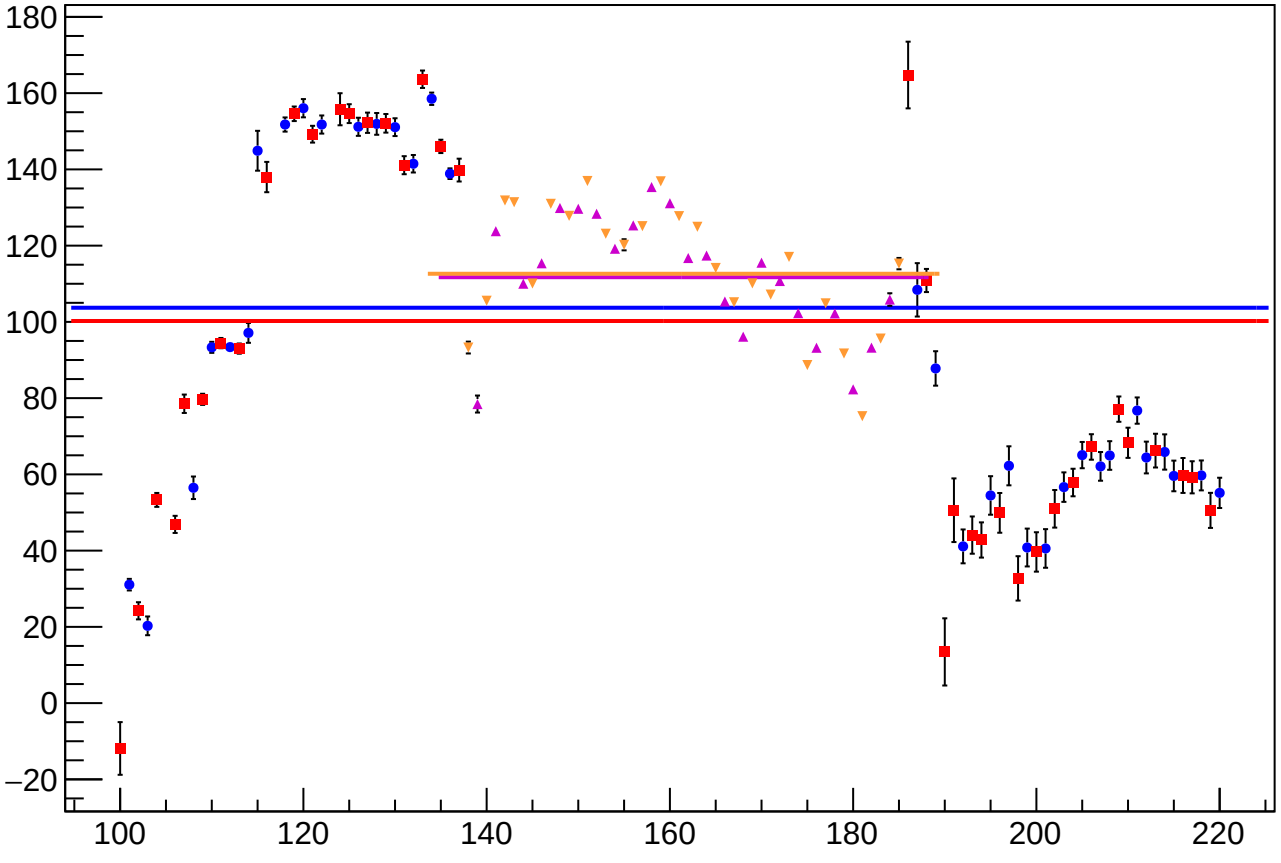
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

+ sign -65.438+/-0.192 χ^2/NDF: 28580.9/57

All: -65.660+/-0.137 χ^2/NDF: 55258.4/117

- sign -65.885+/-0.194 χ^2/NDF: 26674.8/59

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 103.712+/-0.441 χ^2/NDF: 10379.6/32

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 100.233+/-0.436 χ^2/NDF: 9423.4/36

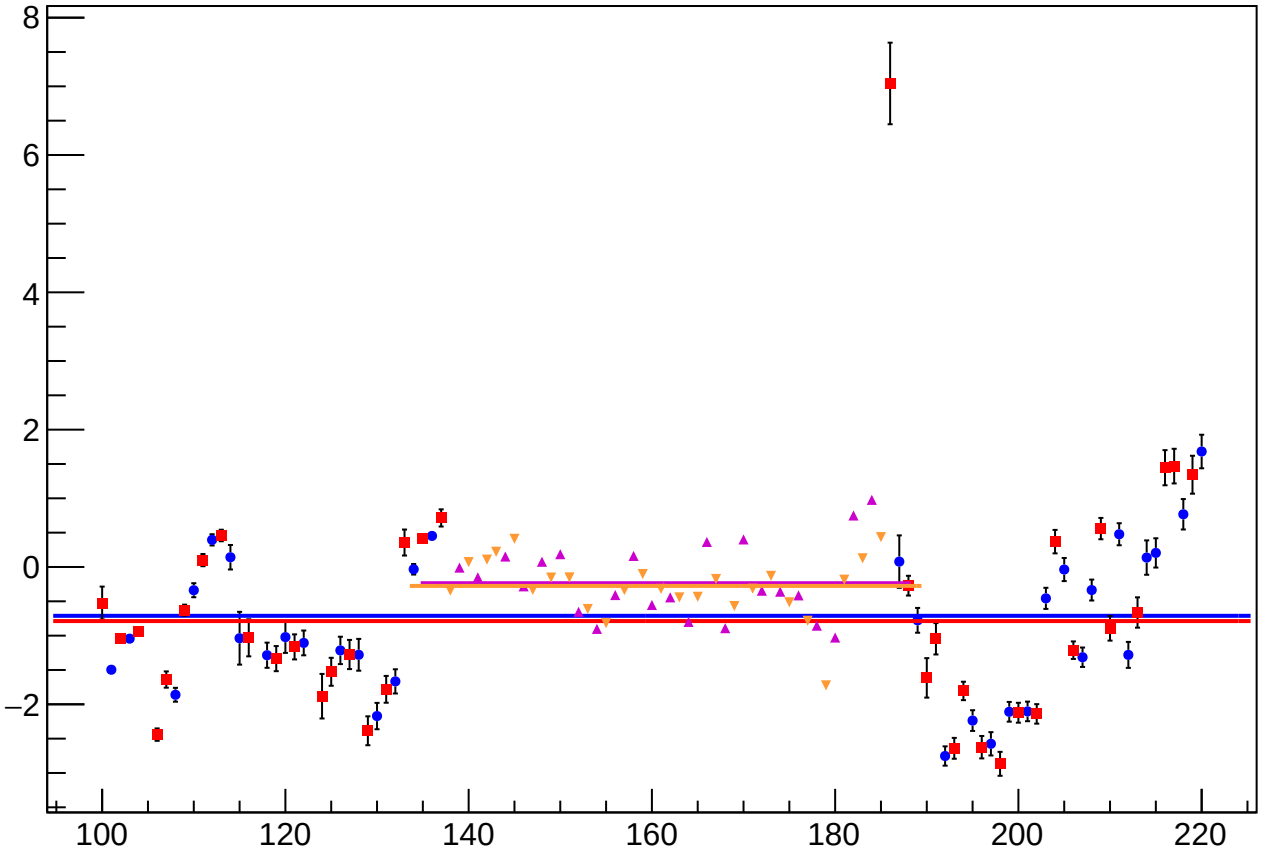
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 111.108+/-0.182 χ^2/NDF: 17425.8/57

All: 110.383+/-0.130 χ^2/NDF: 32345.6/117

- sign 109.624+/-0.186 χ^2/NDF: 14887.3/59

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.711+/-0.022 χ^2/NDF: 2033.0/32

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.788+/-0.022 χ^2/NDF: 2537.8/36

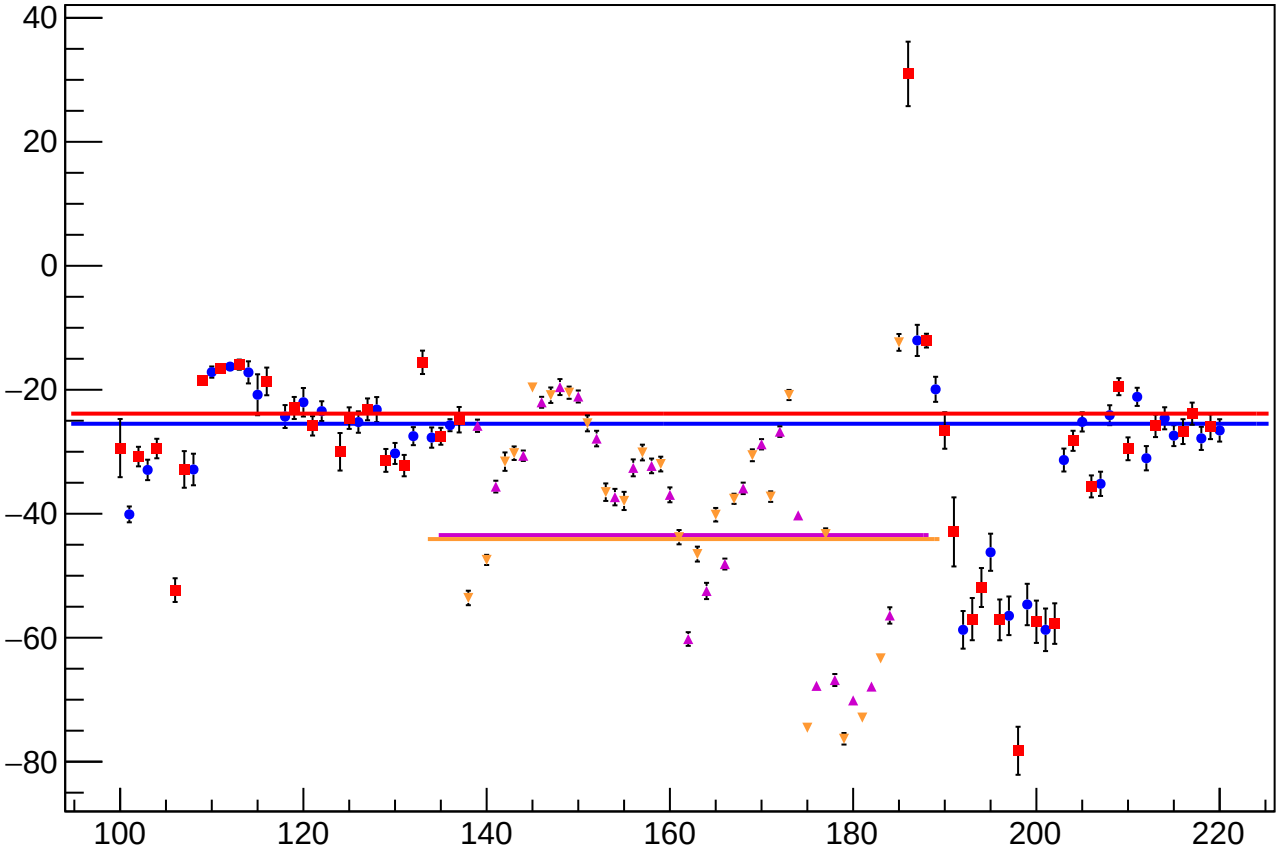
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.338+/-0.008 χ^2/NDF: 4492.9/57

All: -0.330+/-0.006 χ^2/NDF: 10548.1/117

- sign -0.321+/-0.008 χ^2/NDF: 6053.2/59

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.483+/-0.283 χ^2/NDF: 964.1/32

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.850+/-0.269 χ^2/NDF: 1562.0/36

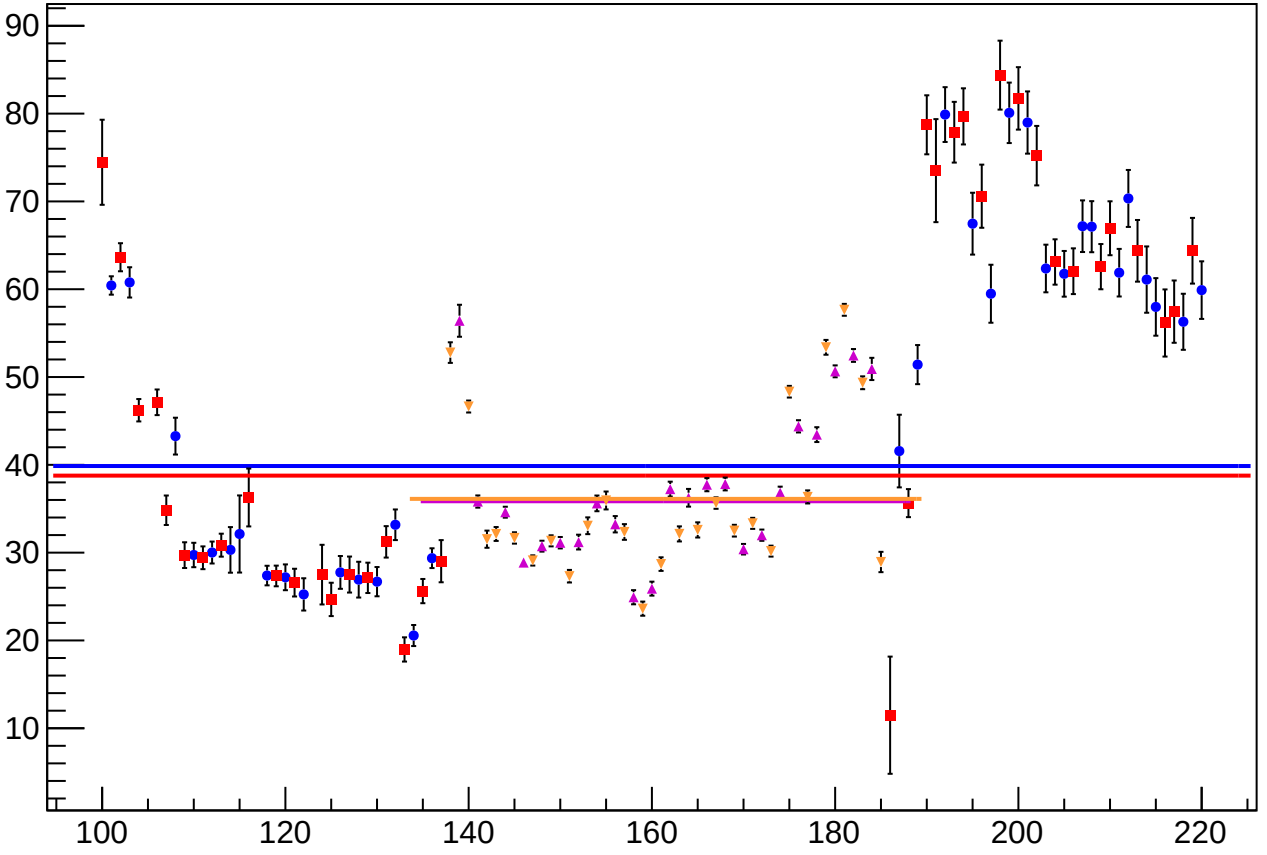
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

\+ sign -38.177+/-0.159 χ^2/NDF: 14255.5/57

All: -37.354+/-0.113 χ^2/NDF: 27123.6/117

\- sign -36.527+/-0.160 χ^2/NDF: 12814.7/59

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 39.865+/-0.335 χ^2/NDF: 2576.8/32

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 38.771+/-0.332 χ^2/NDF: 2572.6/36

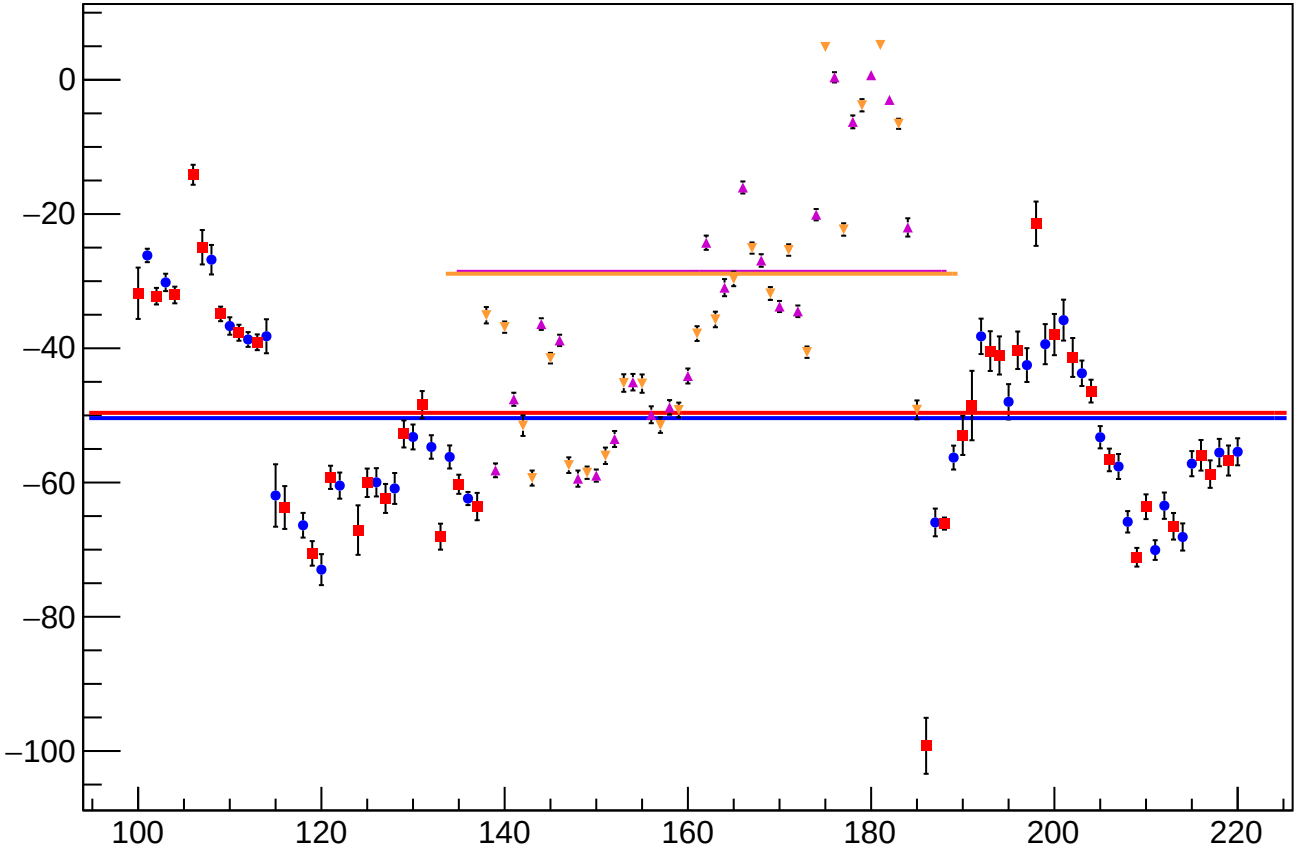
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.748+/-0.137 χ^2/NDF: 6239.1/57

All: 36.566+/-0.098 χ^2/NDF: 11172.4/117

- sign 36.374+/-0.140 χ^2/NDF: 4929.6/59

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -50.404+/-0.303 χ^2/NDF: 2194.6/32

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -49.617+/-0.295 χ^2/NDF: 2937.3/36

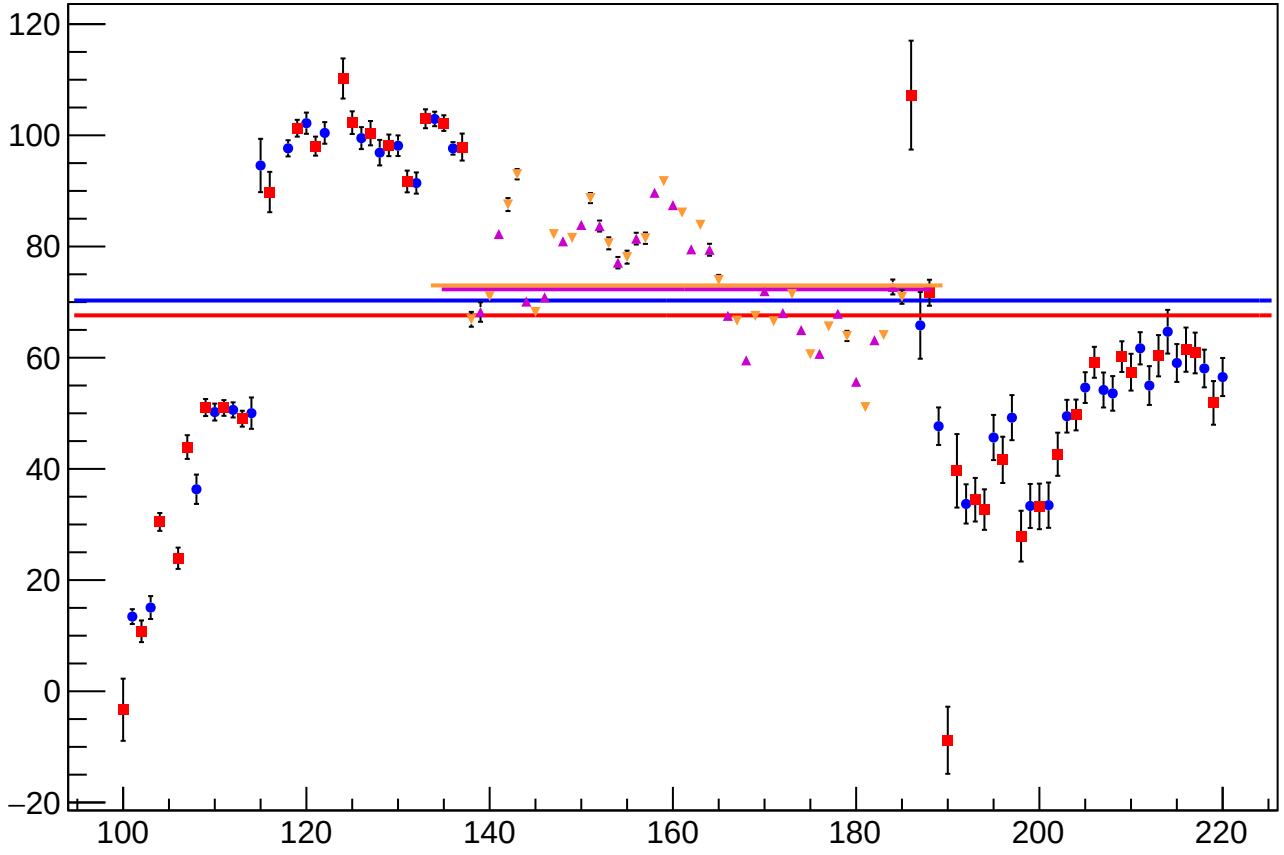
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -35.076+/-0.163 χ^2/NDF: 17573.8/57

All: -35.102+/-0.116 χ^2/NDF: 34030.4/117

- sign -35.128+/-0.164 χ^2/NDF: 16456.6/59

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 70.286+/-0.381 χ^2/NDF: 6544.7/32

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 67.617+/-0.381 χ^2/NDF: 6391.3/36

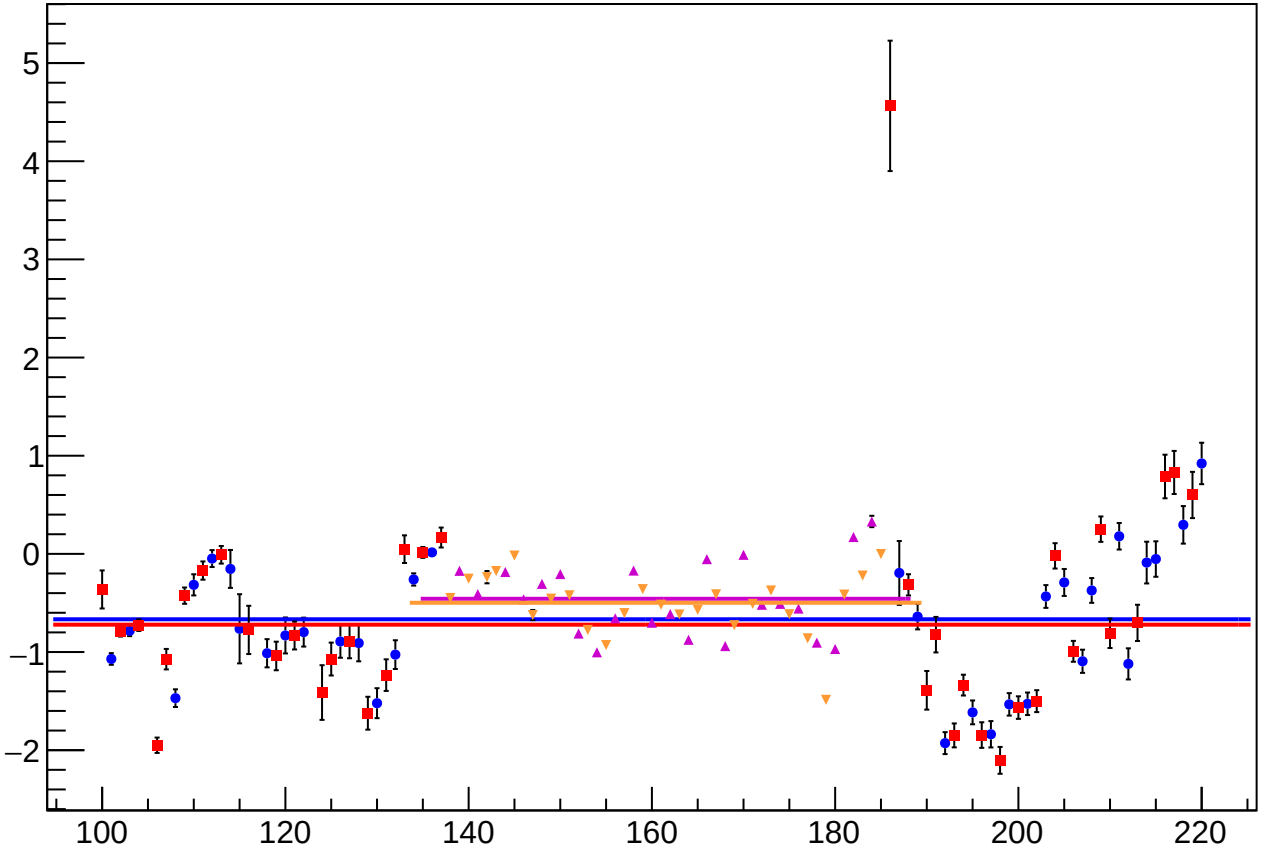
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 72.558+/-0.154 χ^2/NDF: 10639.6/57

All: 72.040+/-0.110 χ^2/NDF: 20091.9/117

- sign 71.498+/-0.158 χ^2/NDF: 9429.2/59

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.666+/-0.019 χ^2/NDF: 1073.4/32

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.721+/-0.018 χ^2/NDF: 1420.4/36

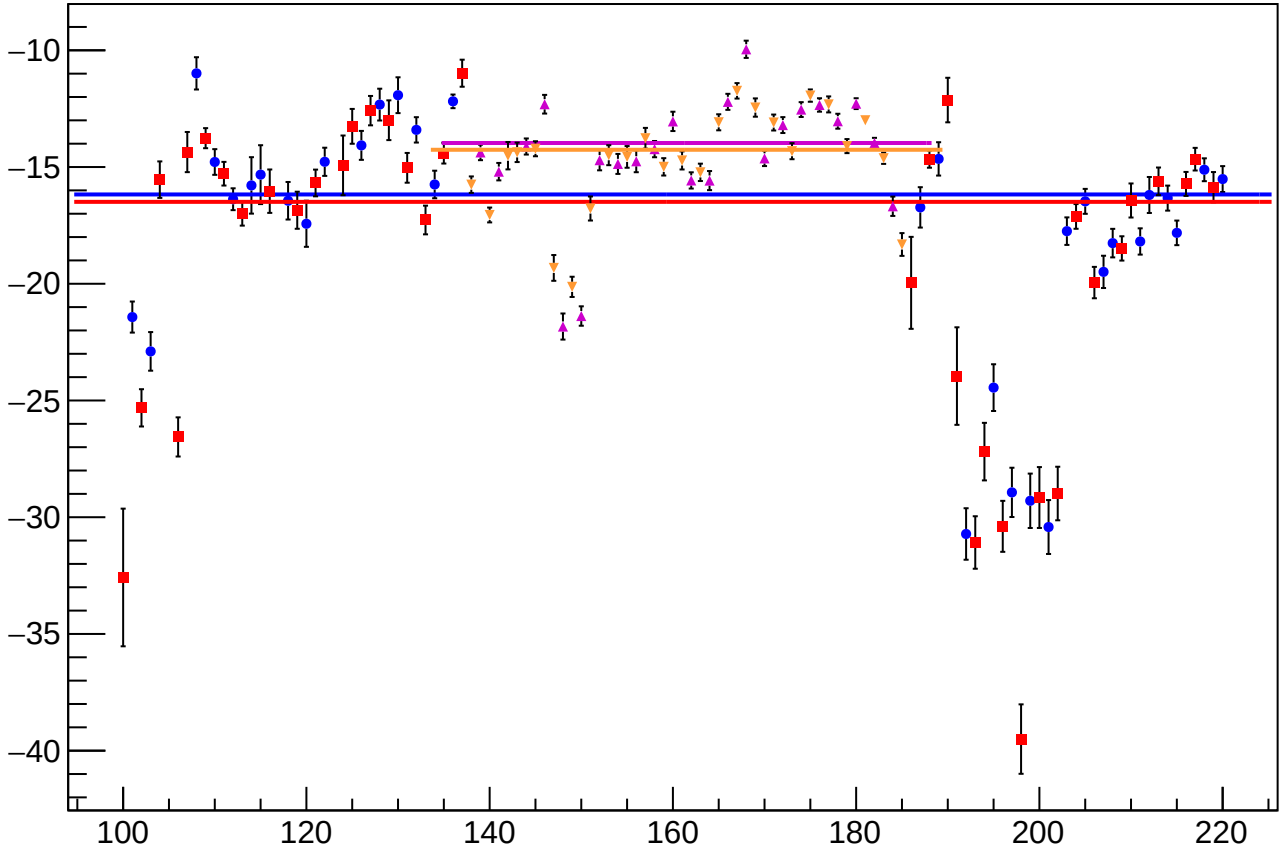
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.522+/-0.007 χ^2/NDF: 2626.9/57

All: -0.509+/-0.005 χ^2/NDF: 6331.4/117

- sign -0.496+/-0.007 χ^2/NDF: 3698.0/59

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -16.175+/-0.110 χ^2/NDF: 1229.5/32

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.491+/-0.110 χ^2/NDF: 1529.8/36

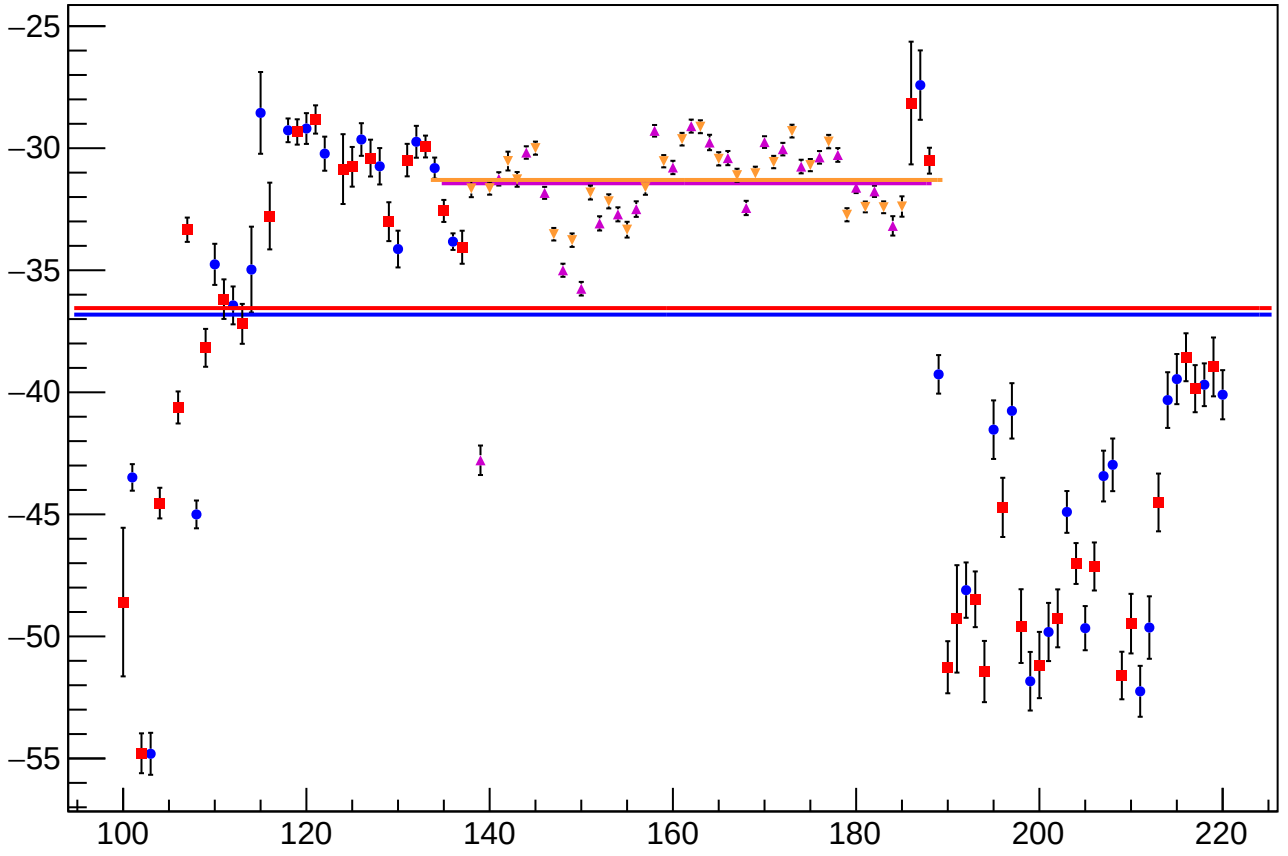
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.810+/-0.059 χ^2/NDF: 2169.8/57

All: -14.767+/-0.042 χ^2/NDF: 4975.1/117

- sign -14.722+/-0.060 χ^2/NDF: 2804.2/59

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.817+/-0.131 χ^2/NDF: 3061.4/32

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -36.550+/-0.131 χ^2/NDF: 3339.6/36

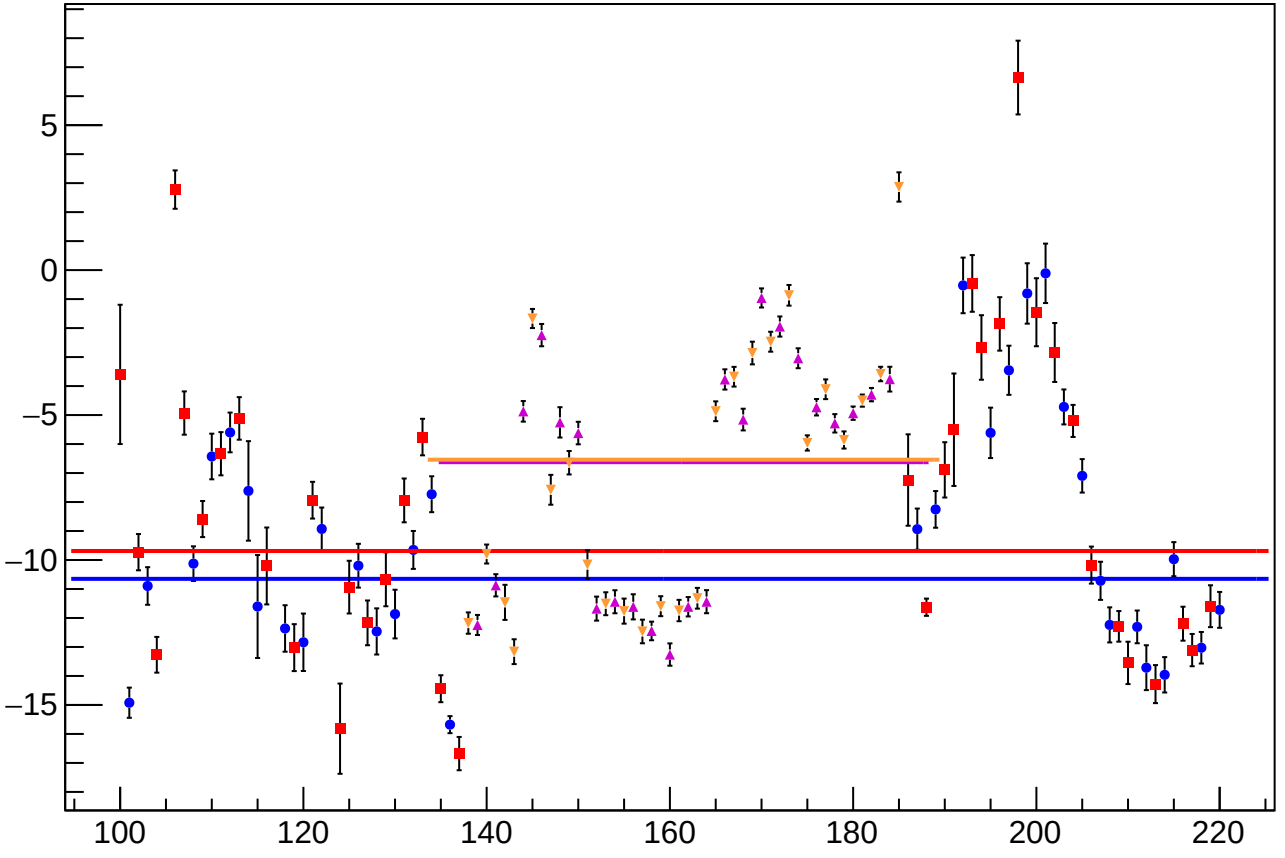
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -32.133+/-0.051 χ^2/NDF: 5119.1/57

All: -32.194+/-0.037 χ^2/NDF: 10957.4/117

- sign -32.258+/-0.052 χ^2/NDF: 5835.4/59

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.650+/-0.114 χ^2/NDF: 1146.5/32

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

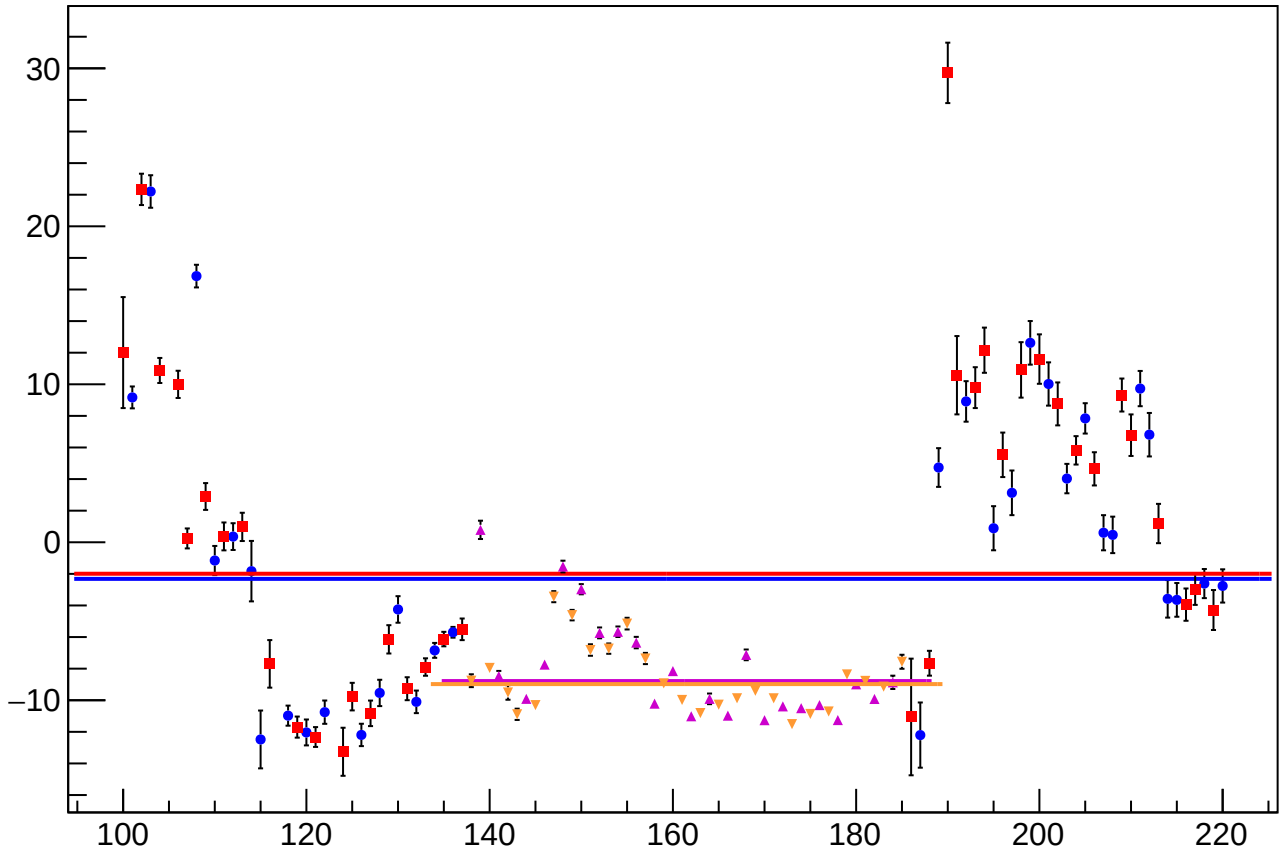
Right Out: -9.689+/-0.114 χ^2/NDF: 1597.2/36

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.648+/-0.059 χ^2/NDF: 5331.0/57

All: -7.569+/-0.042 χ^2/NDF: 10356.9/117

- sign -7.486+/-0.061 χ^2/NDF: 5022.4/59



Right In: -2.316+/-0.147 χ^2/NDF: 3325.9/32

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

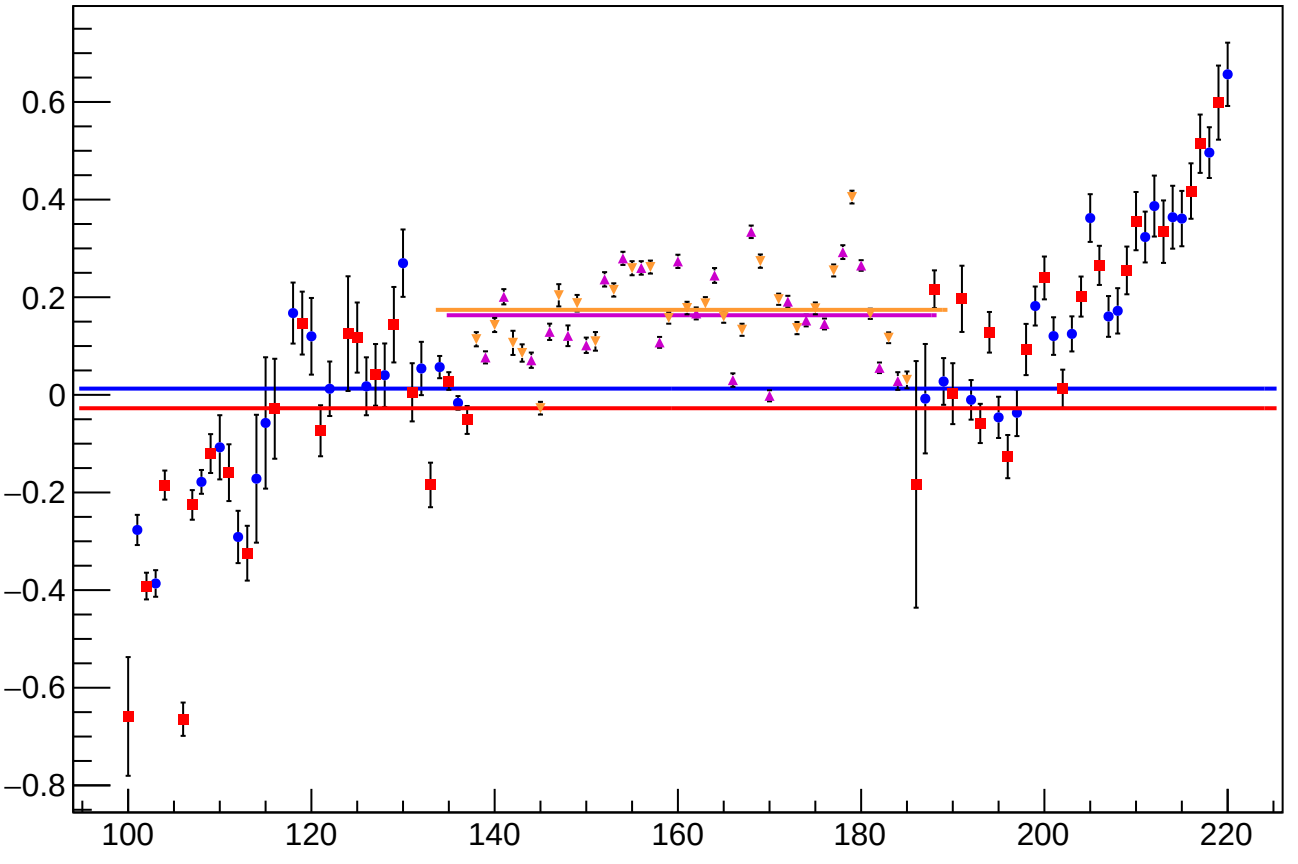
Right Out: -1.992+/-0.151 χ^2/NDF: 3285.1/36

Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -7.988+/-0.057 χ^2/NDF: 6043.2/57

All: -7.878+/-0.041 χ^2/NDF: 12750.8/117

- sign -7.761+/-0.058 χ^2/NDF: 6699.9/59



Right In: 0.013+/-0.007 χ^2/NDF: 870.2/32

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

Right Out: -0.027+/-0.007 χ^2/NDF: 1220.9/36

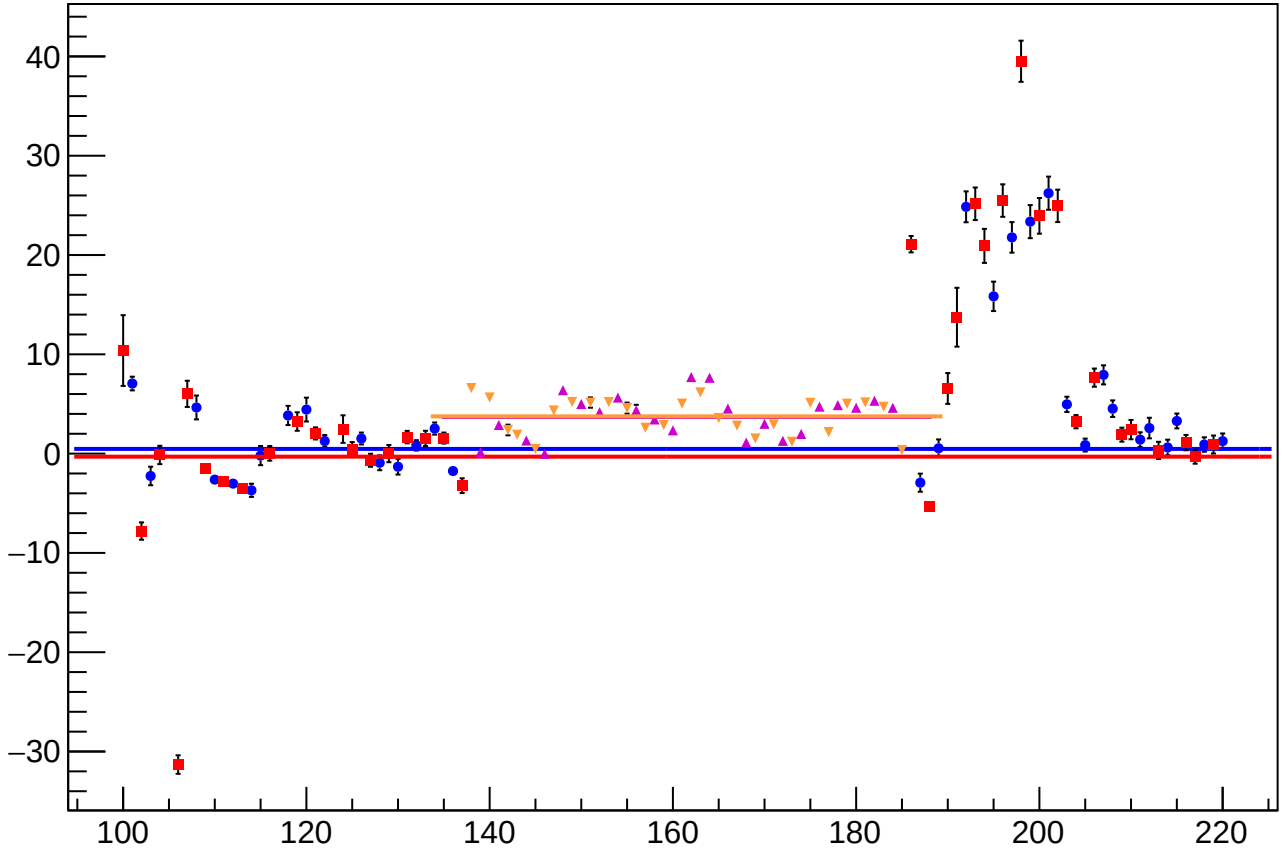
Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.152+/-0.003 χ^2/NDF: 2267.3/57

All: 0.145+/-0.002 χ^2/NDF: 5313.3/117

- sign 0.138+/-0.003 χ^2/NDF: 3030.8/59

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 0.474+/-0.116 χ^2/NDF: 1605.5/32

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.306+/-0.111 χ^2/NDF: 3866.4/36

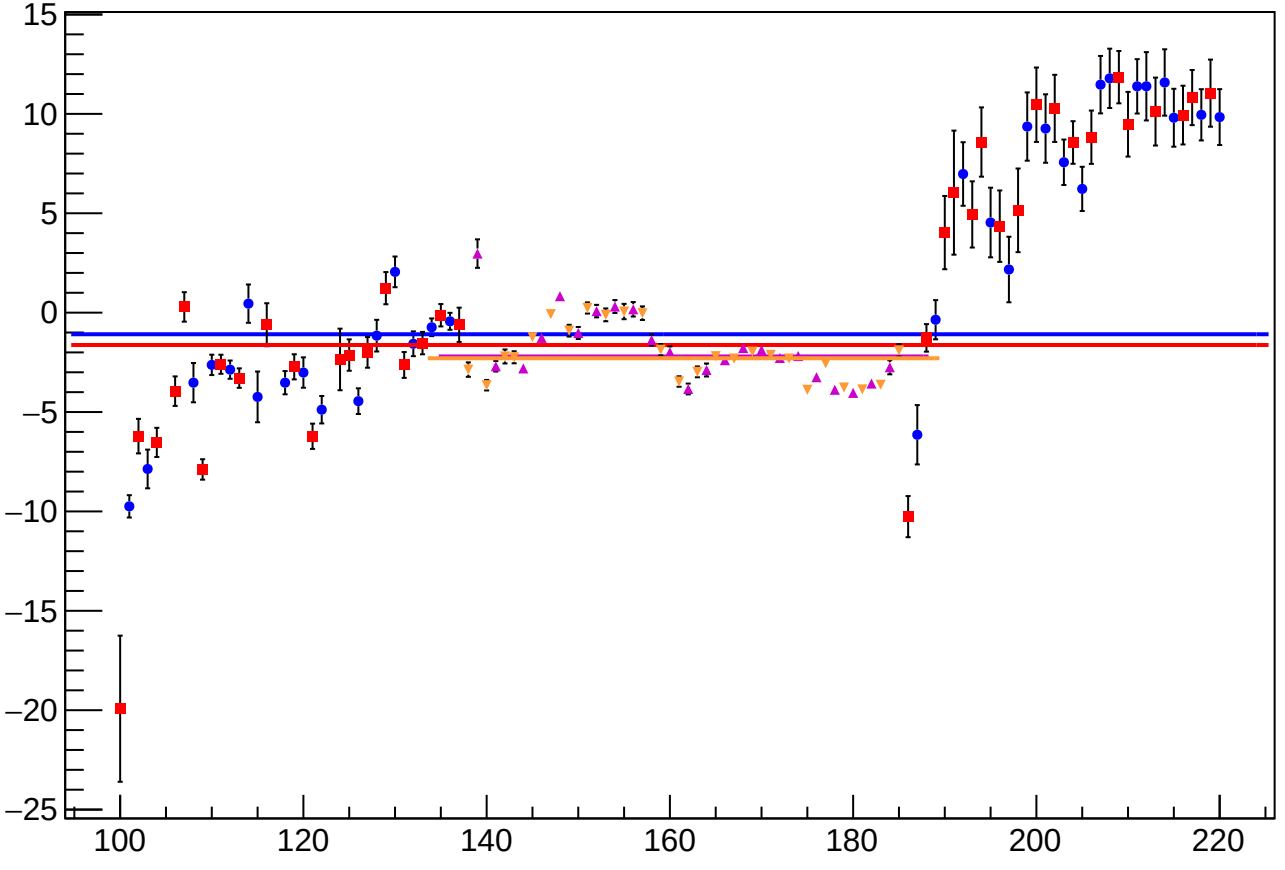
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 3.022+/-0.055 χ^2/NDF: 3036.2/57

All: 2.858+/-0.039 χ^2/NDF: 8850.9/117

- sign 2.690+/-0.055 χ^2/NDF: 5796.4/59

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.087+/-0.142 χ^2/NDF: 1183.9/32

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -1.627+/-0.142 χ^2/NDF: 1154.1/36

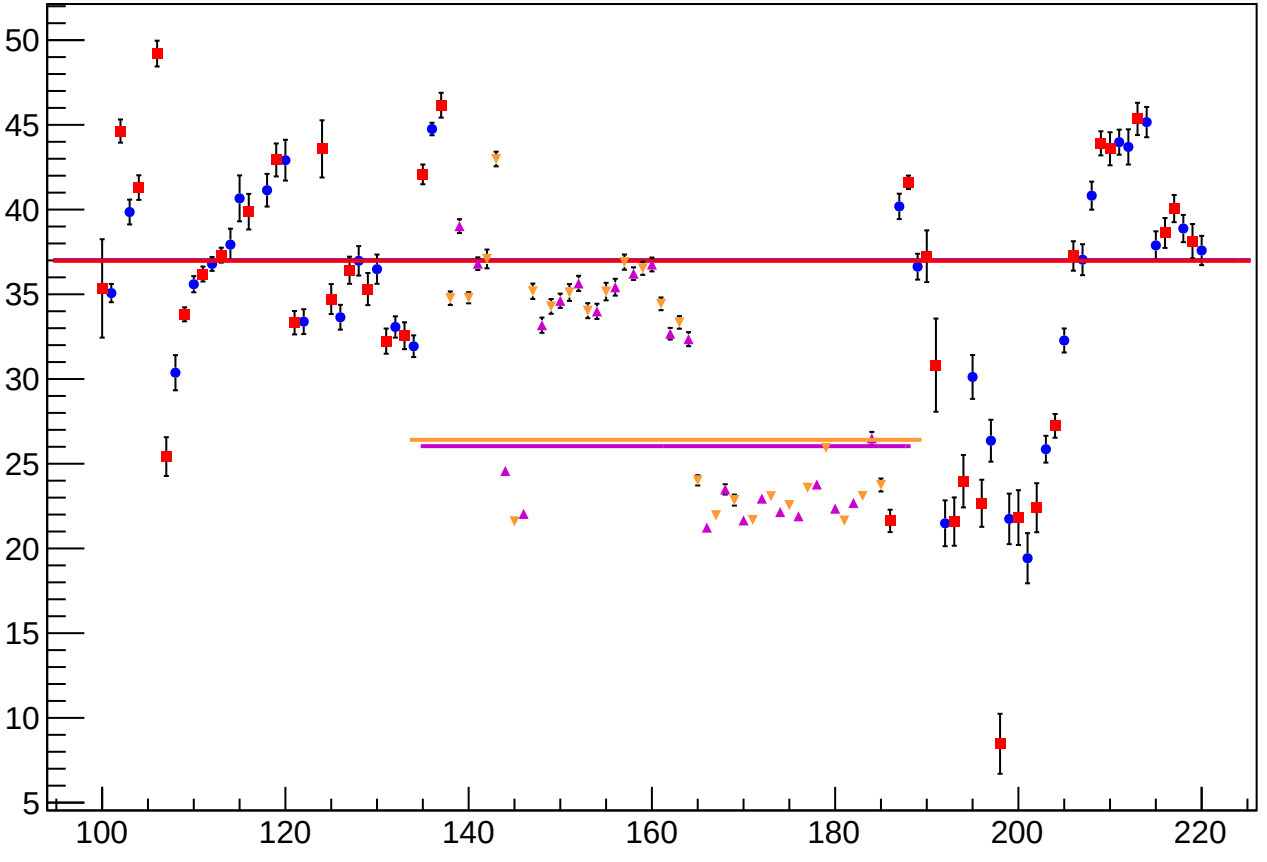
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.163+/-0.047 χ^2/NDF: 1879.7/57

All: -2.151+/-0.033 χ^2/NDF: 3773.2/117

- sign -2.139+/-0.048 χ^2/NDF: 1893.4/59

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 37.009+/-0.130 χ^2/NDF: 1698.0/32

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.979+/-0.126 χ^2/NDF: 2842.2/36

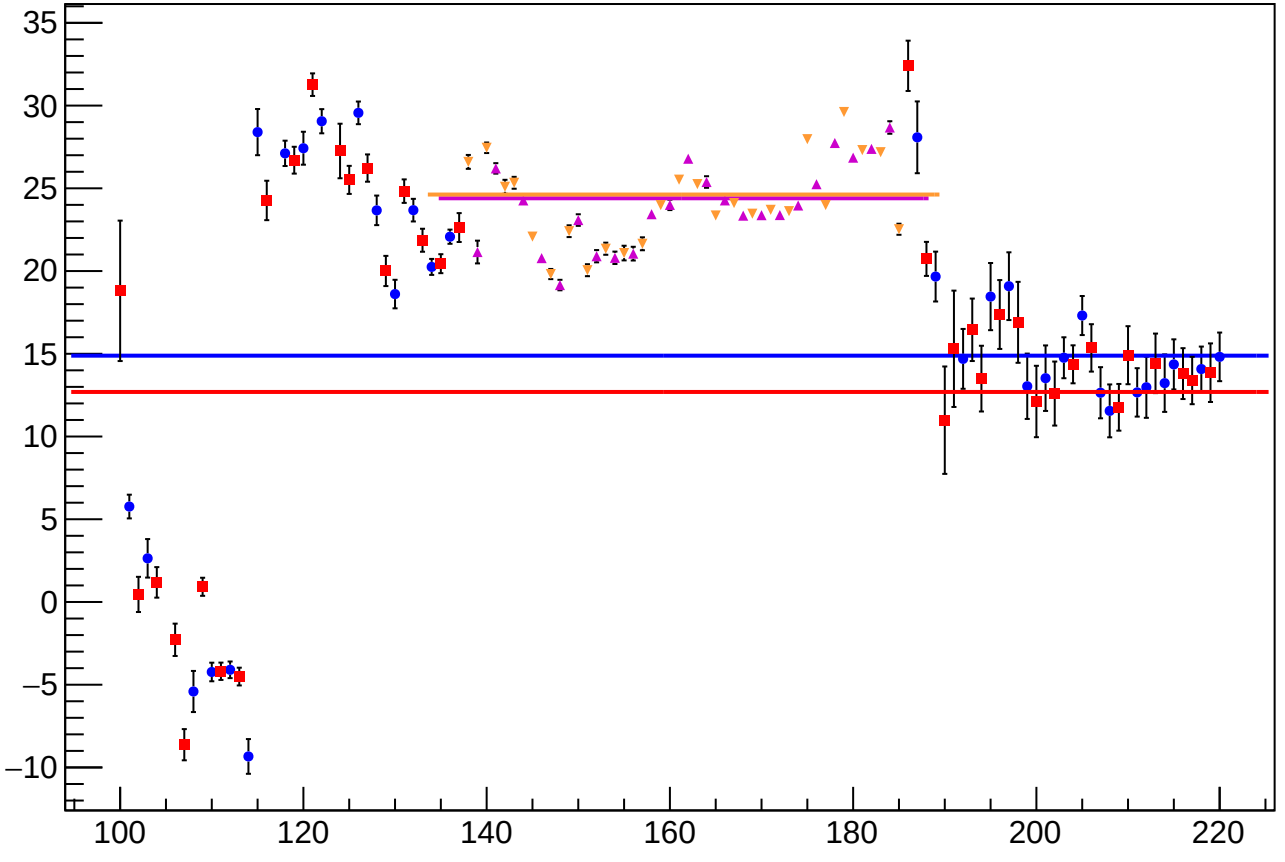
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 28.398+/-0.056 χ^2/NDF: 16349.7/57

All: 28.330+/-0.040 χ^2/NDF: 33000.9/117

- sign 28.259+/-0.057 χ^2/NDF: 16648.2/59

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.886+/-0.159 χ^2/NDF: 5757.7/32

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

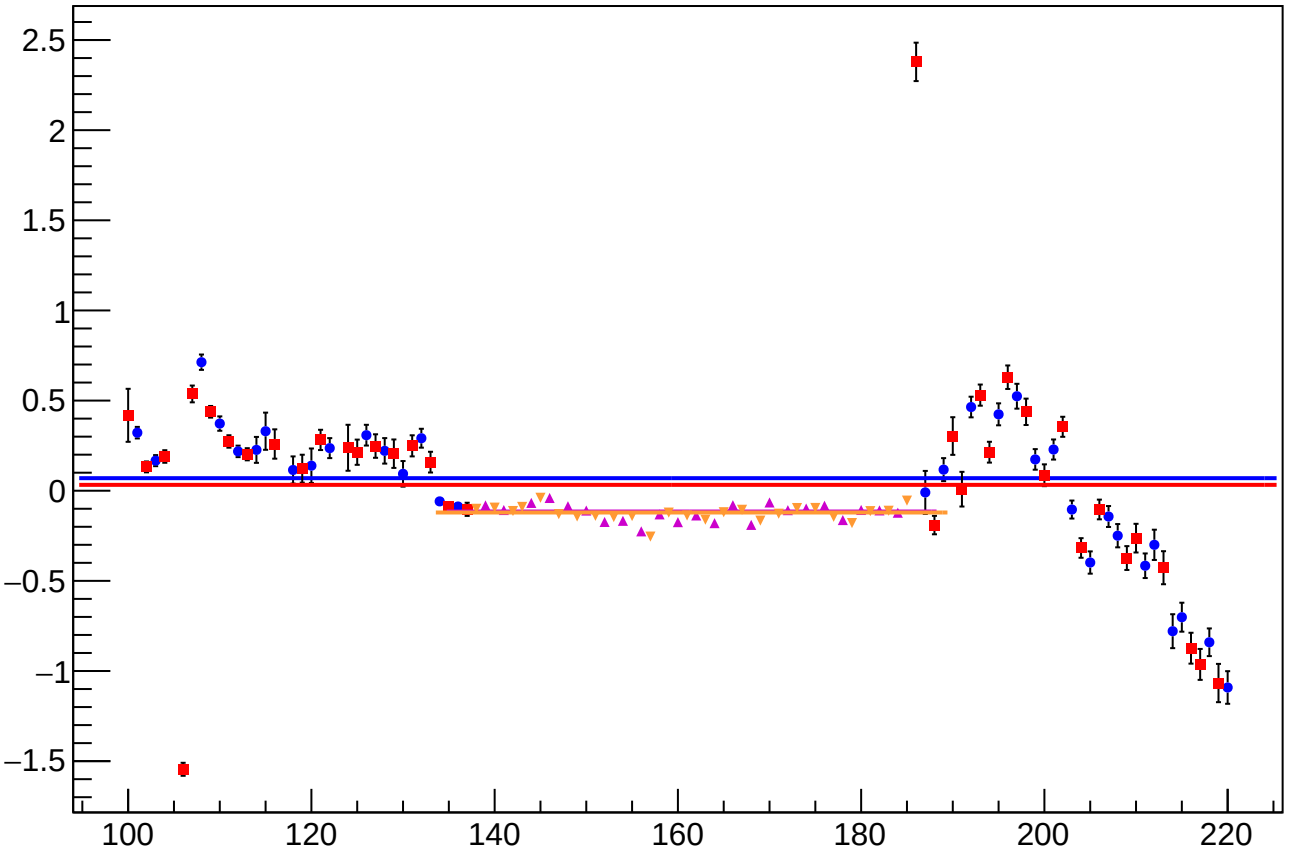
Right Out: 12.693+/-0.161 χ^2/NDF: 6374.9/36

Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

\+ sign 23.573+/-0.052 χ^2/NDF: 11070.2/57

All: 23.350+/-0.037 χ^2/NDF: 23902.8/117

\- sign 23.116+/-0.053 χ^2/NDF: 12794.9/59



Right In: 0.070+/-0.008 χ^2/NDF: 1345.4/32

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.033+/-0.008 χ^2/NDF: 3634.7/36

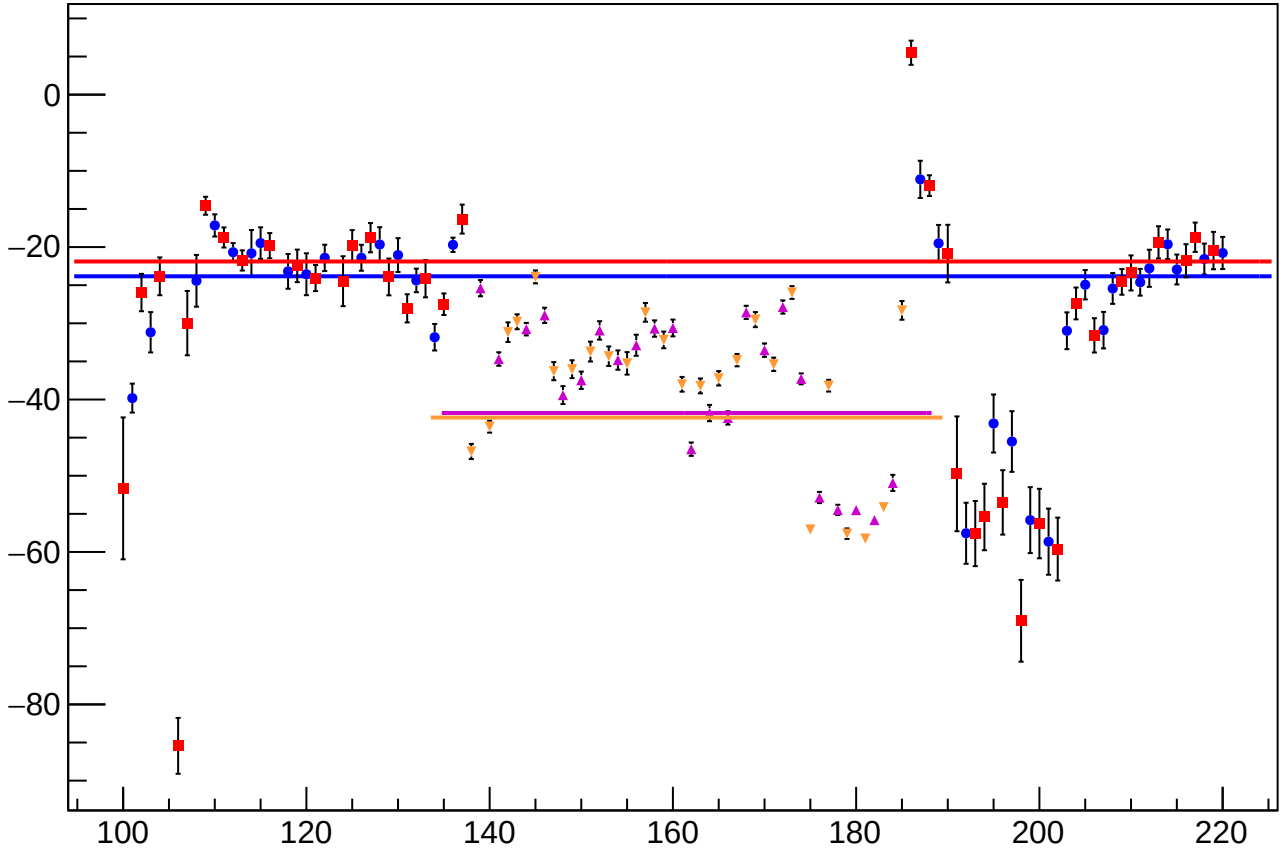
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.105+/-0.002 χ^2/NDF: 2111.0/57

All: -0.104+/-0.002 χ^2/NDF: 6323.3/117

- sign -0.103+/-0.002 χ^2/NDF: 4212.0/59

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -23.833+/-0.347 χ^2/NDF: 464.3/32

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

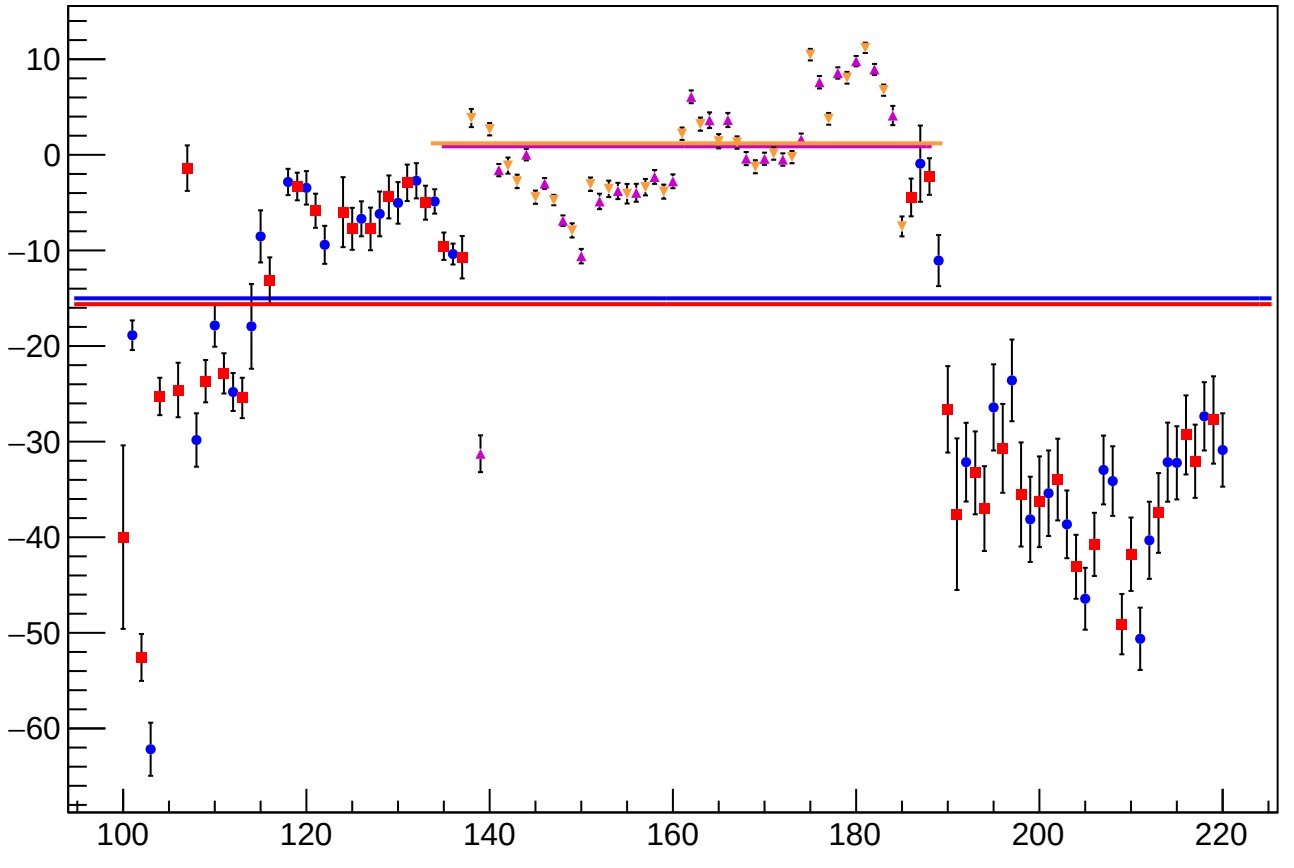
Right Out: -21.889+/-0.344 χ^2/NDF: 1207.3/36

Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -38.609+/-0.156 χ^2/NDF: 7209.6/57

All: -38.034+/-0.112 χ^2/NDF: 14513.7/117

- sign -37.428+/-0.161 χ^2/NDF: 7276.4/59



Right In: -15.010+/-0.405 χ^2/NDF: 1172.7/32

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

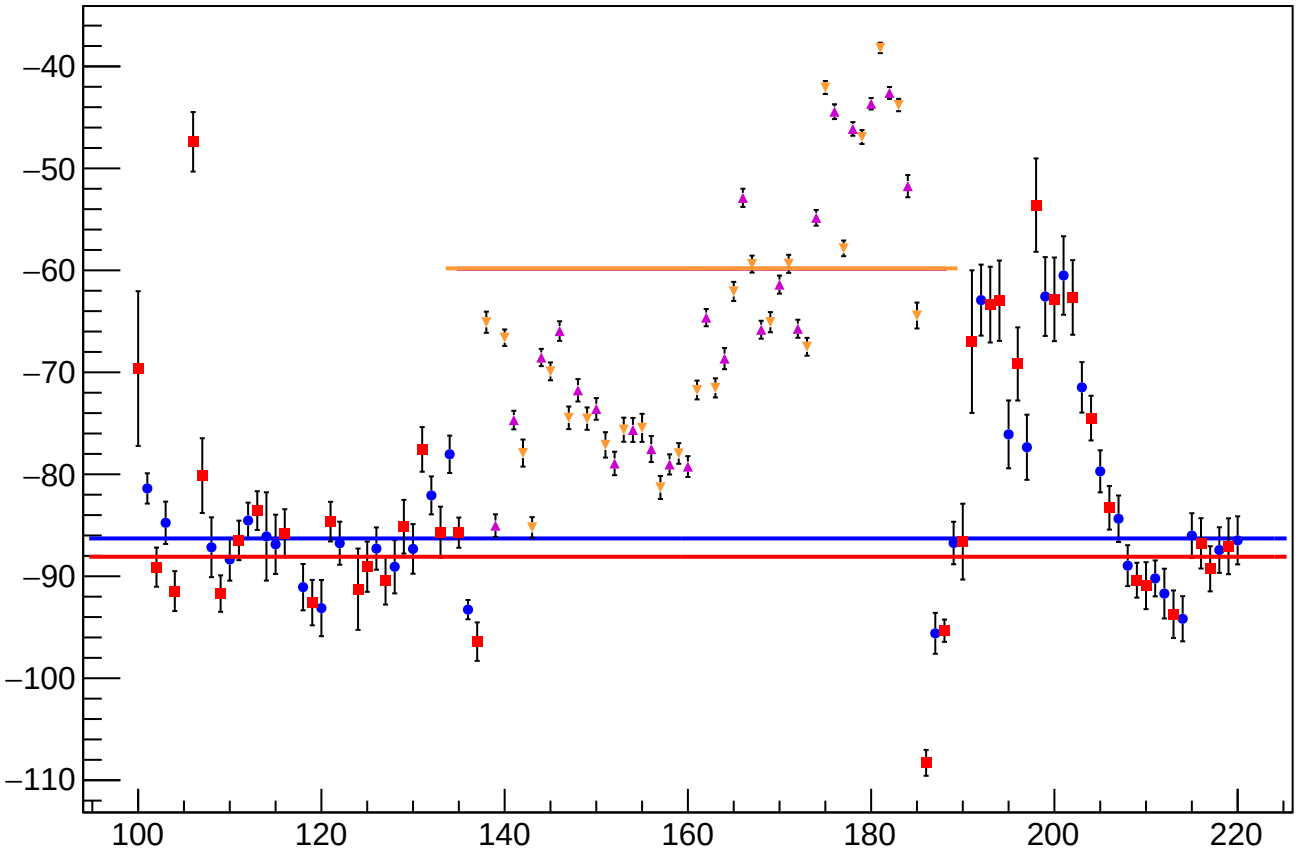
Right Out: -15.622+/-0.416 χ^2/NDF: 1156.5/36

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

\+ sign -0.485+/-0.131 χ^2/NDF: 4070.2/57

All: -0.663+/-0.094 χ^2/NDF: 8403.3/117

\- sign -0.854+/-0.135 χ^2/NDF: 4329.2/59



Right In: -86.291+/-0.369 χ^2/NDF: 343.1/32

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -88.086+/-0.365 χ^2/NDF: 890.6/36

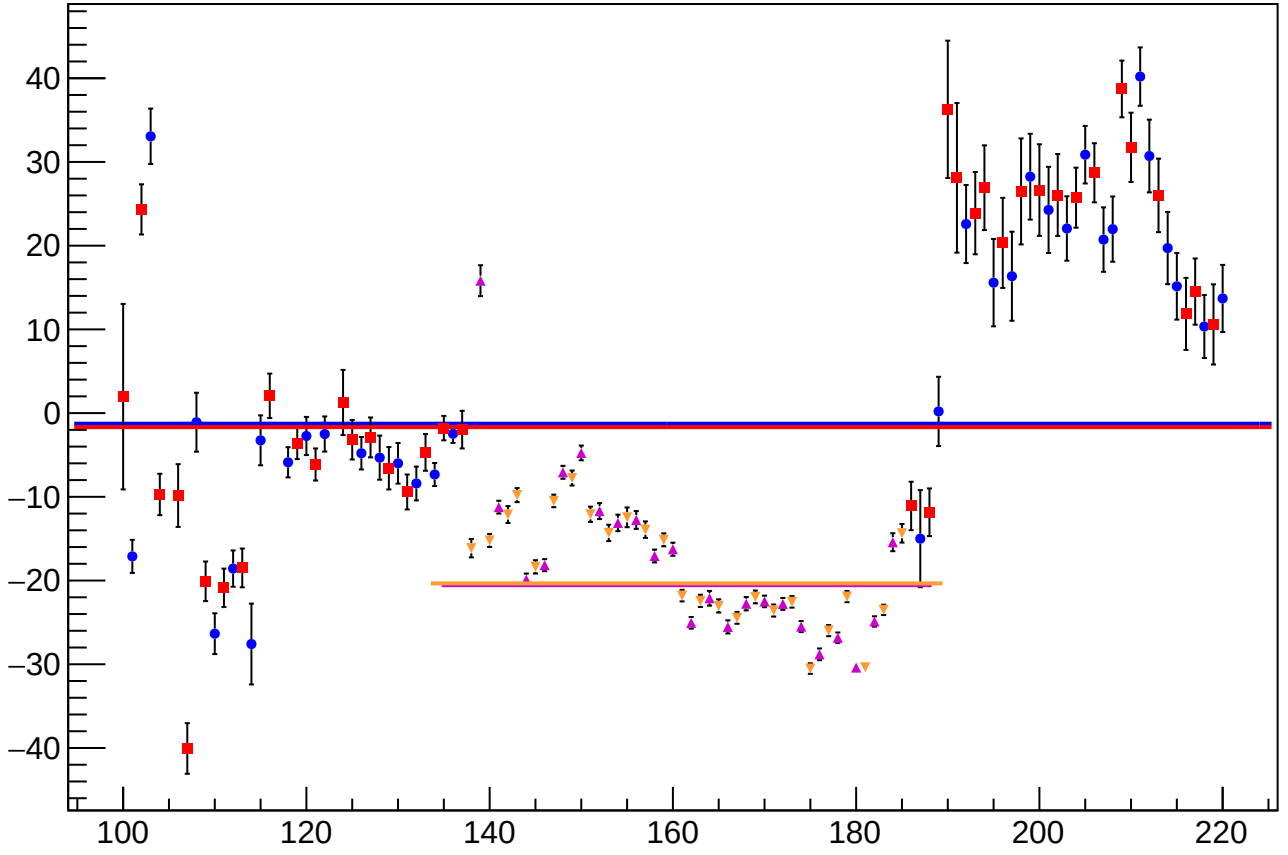
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -64.680+/-0.158 χ^2/NDF: 11185.9/57

All: -65.039+/-0.113 χ^2/NDF: 22418.2/117

- sign -65.415+/-0.162 χ^2/NDF: 11221.7/59

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -1.263+/-0.455 χ^2/NDF: 984.9/32

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -1.673+/-0.476 χ^2/NDF: 1087.7/36

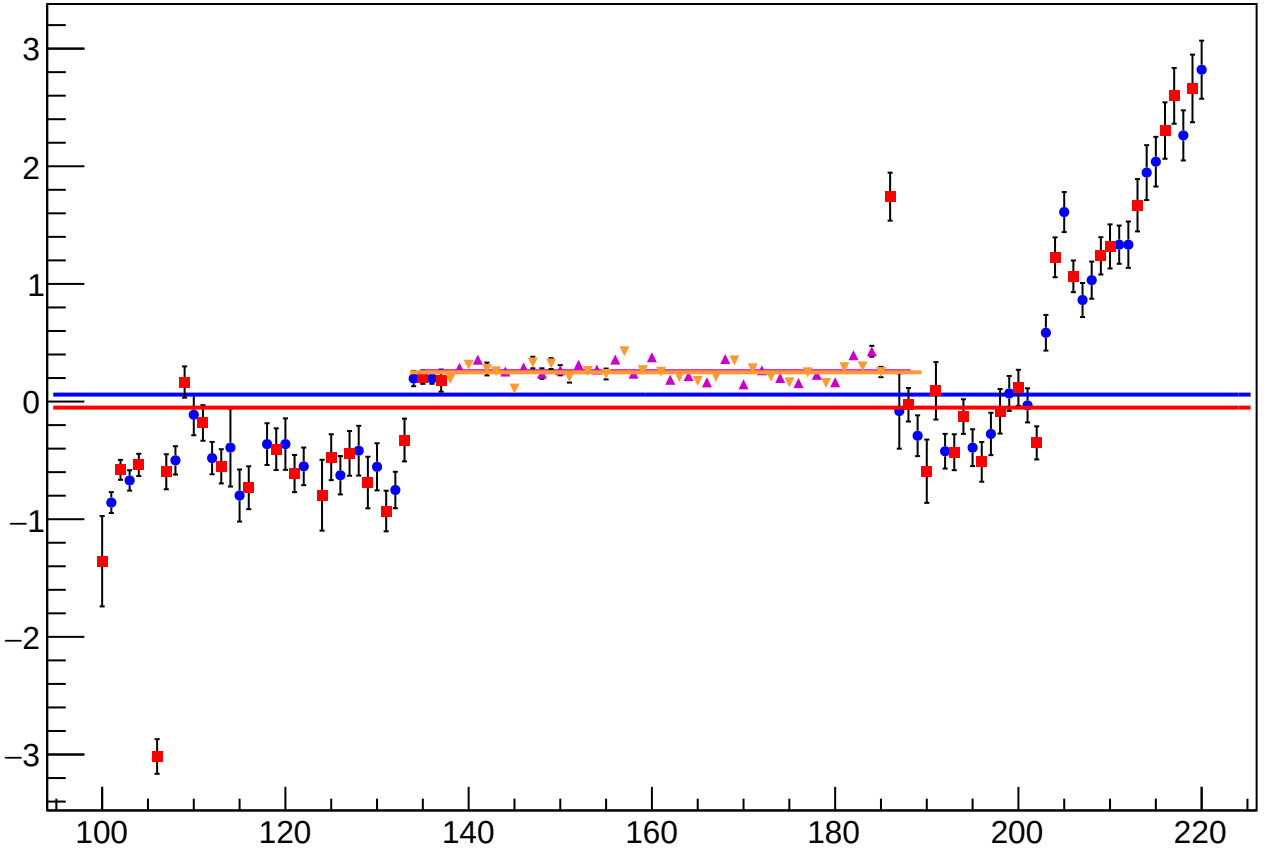
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -18.365+/-0.146 χ^2/NDF: 4261.6/57

All: -18.502+/-0.105 χ^2/NDF: 8958.6/117

- sign -18.648+/-0.151 χ^2/NDF: 4695.3/59

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: 0.059+/-0.023 χ^2/NDF: 1009.4/32

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.051+/-0.024 χ^2/NDF: 1336.9/36

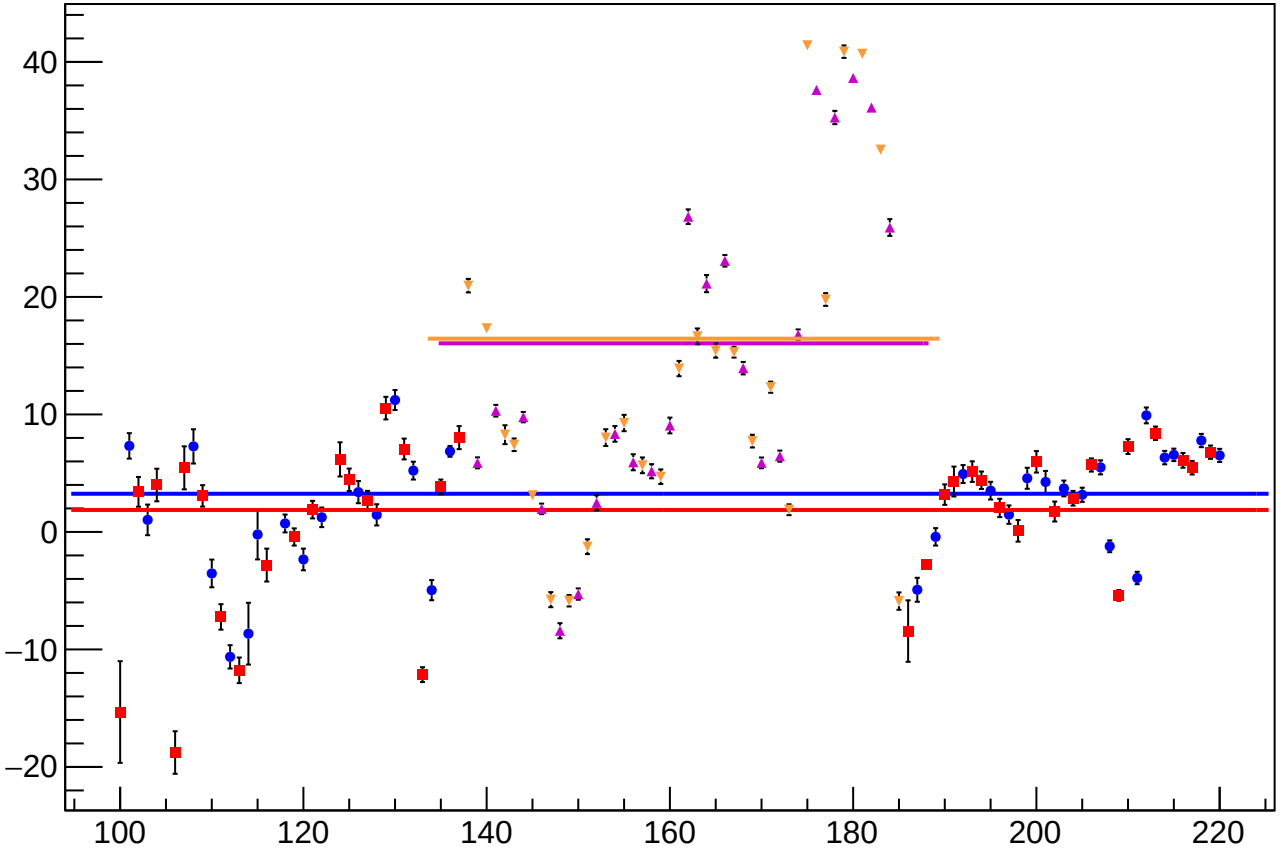
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.232+/-0.007 χ^2/NDF: 1166.8/57

All: 0.232+/-0.005 χ^2/NDF: 2790.5/117

- sign 0.233+/-0.007 χ^2/NDF: 1623.8/59

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.249+/-0.129 χ^2/NDF: 1224.2/32

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 1.870+/-0.126 χ^2/NDF: 1967.3/36

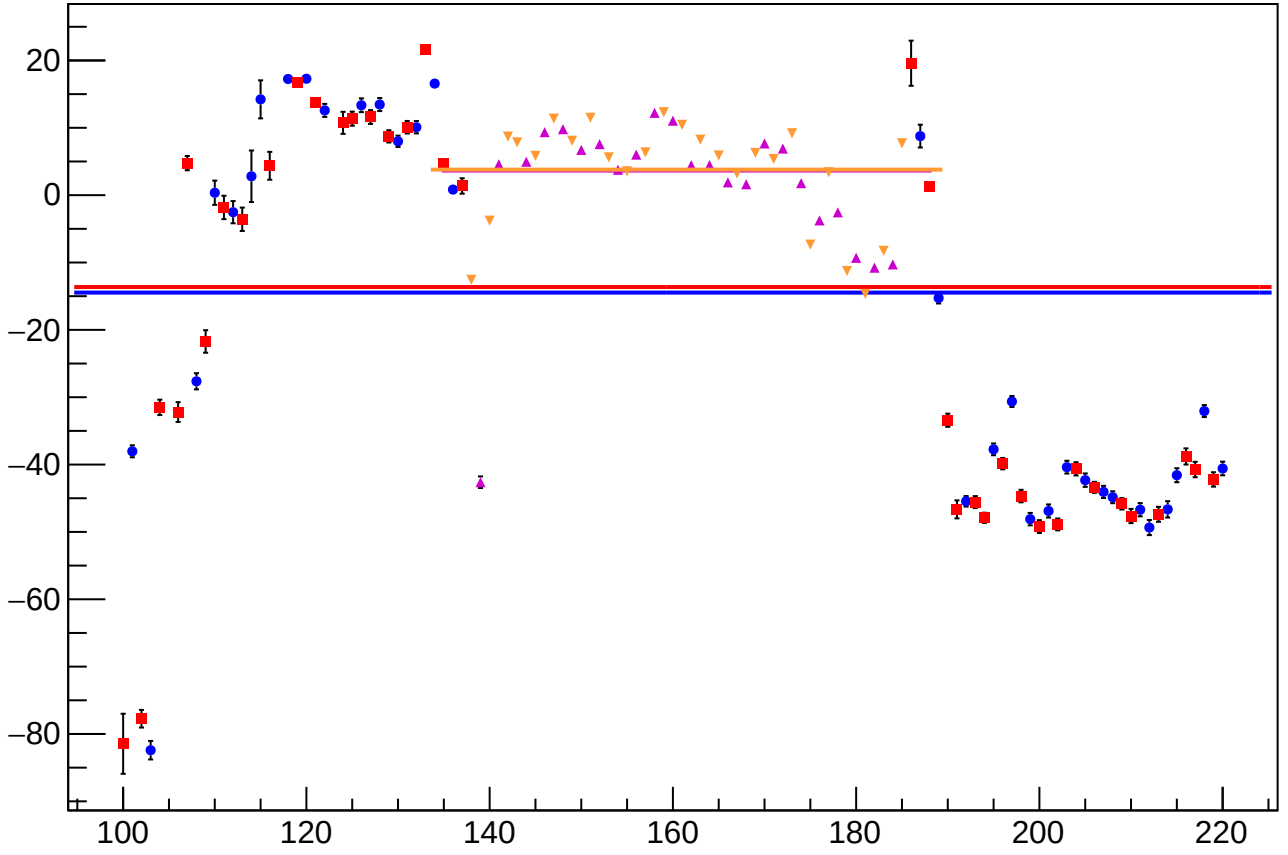
Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 11.224+/-0.081 χ^2/NDF: 28999.6/57

All: 10.671+/-0.057 χ^2/NDF: 56017.7/117

- sign 10.106+/-0.082 χ^2/NDF: 26923.6/59

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -14.467+/-0.155 χ^2/NDF: 31795.4/32

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -13.642+/-0.151 χ^2/NDF: 36006.9/36

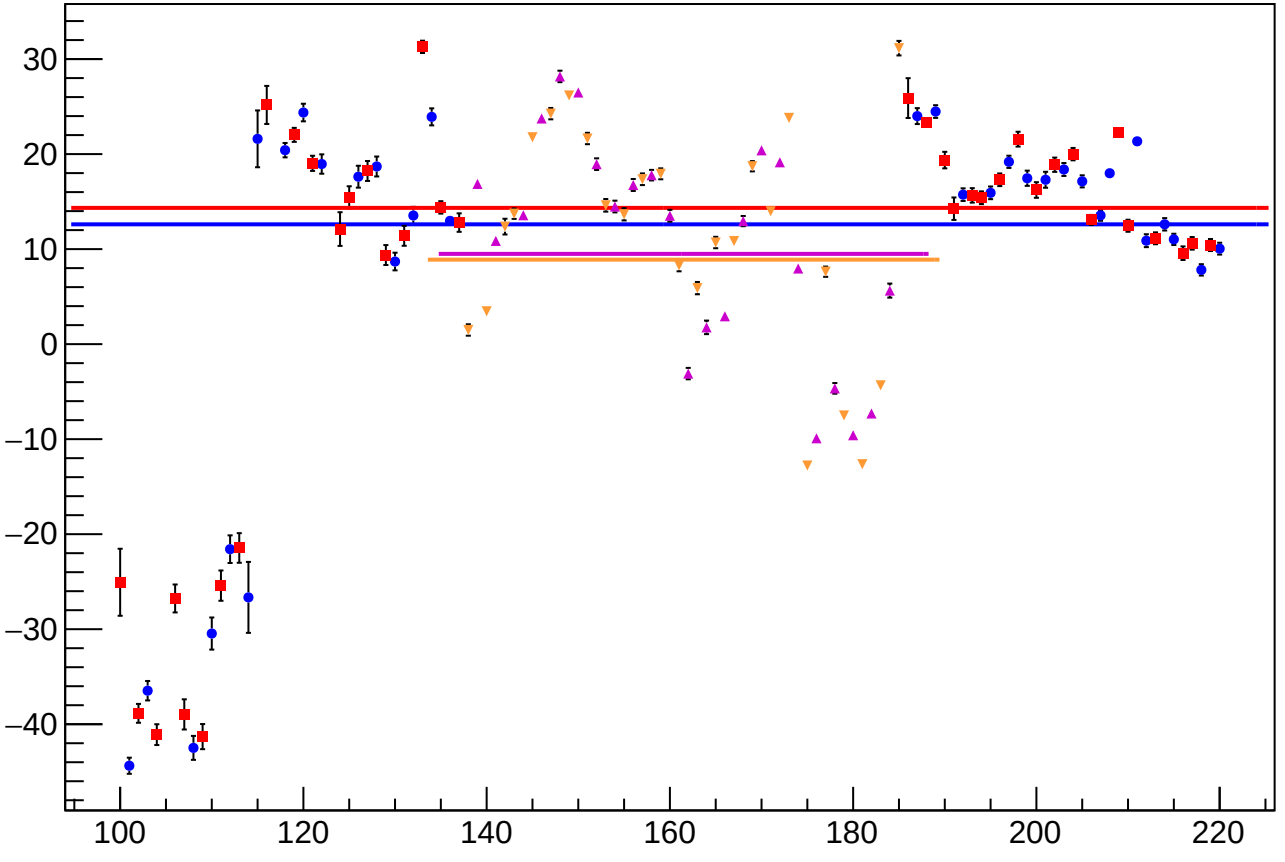
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

\+ sign -0.053+/-0.071 χ^2/NDF: 51833.9/57

All: -0.204+/-0.051 χ^2/NDF: 106236.9/117

\- sign -0.362+/-0.073 χ^2/NDF: 54393.8/59

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 12.609+/-0.130 χ^2/NDF: 11909.4/32

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

Right Out: 14.341+/-0.125 χ^2/NDF: 12912.7/36

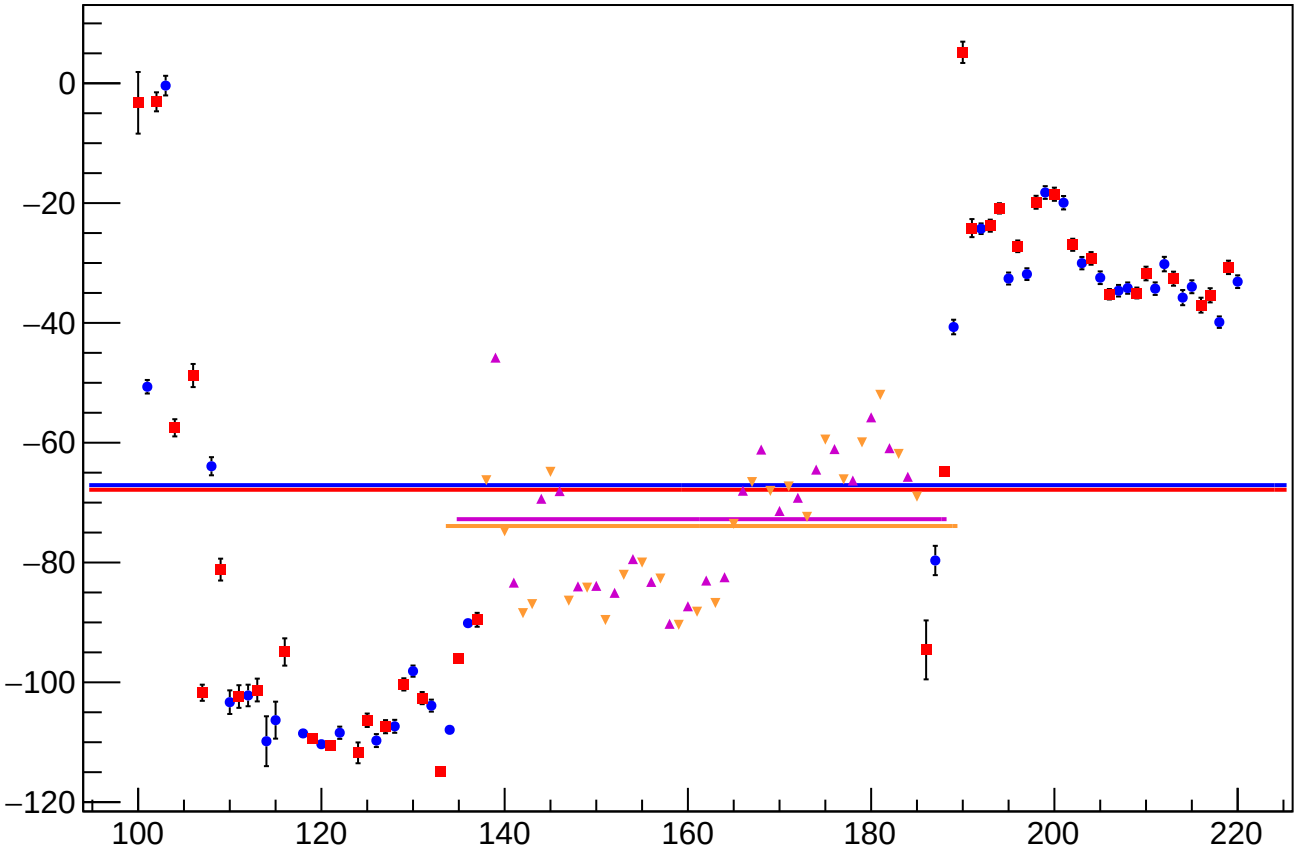
Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 10.340+/-0.081 χ^2/NDF: 27837.9/57

All: 10.937+/-0.057 χ^2/NDF: 54767.9/117

- sign 11.534+/-0.081 χ^2/NDF: 26821.6/59

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -67.083+/-0.177 χ^2/NDF: 42246.3/32

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

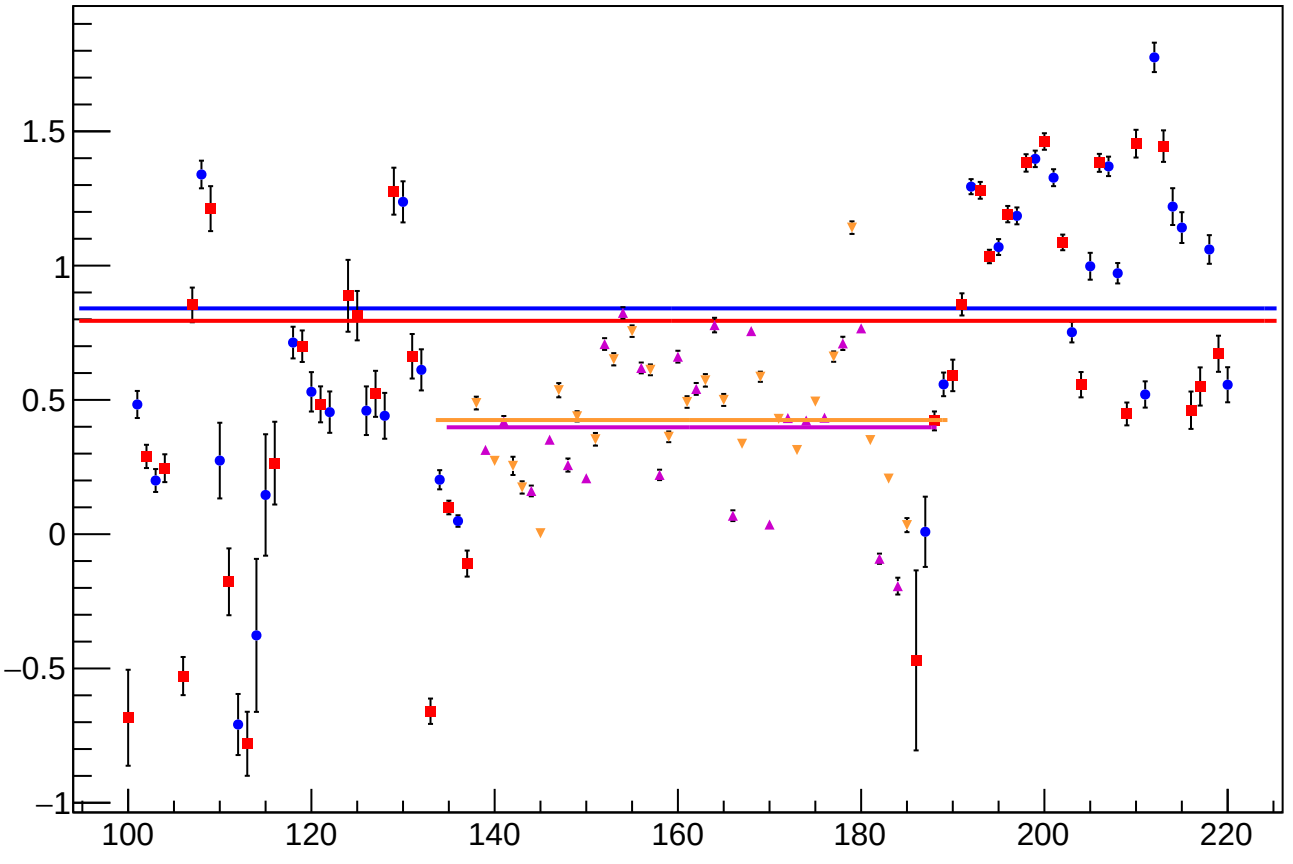
Right Out: -67.856+/-0.175 χ^2/NDF: 48612.2/36

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -72.490+/-0.081 χ^2/NDF: 58995.0/57

All: -72.091+/-0.058 χ^2/NDF: 120883.0/117

- sign -71.674+/-0.082 χ^2/NDF: 61837.9/59



Right In: 0.841+/-0.008 χ^2/NDF: 4154.7/32

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.794+/-0.008 χ^2/NDF: 5314.9/36

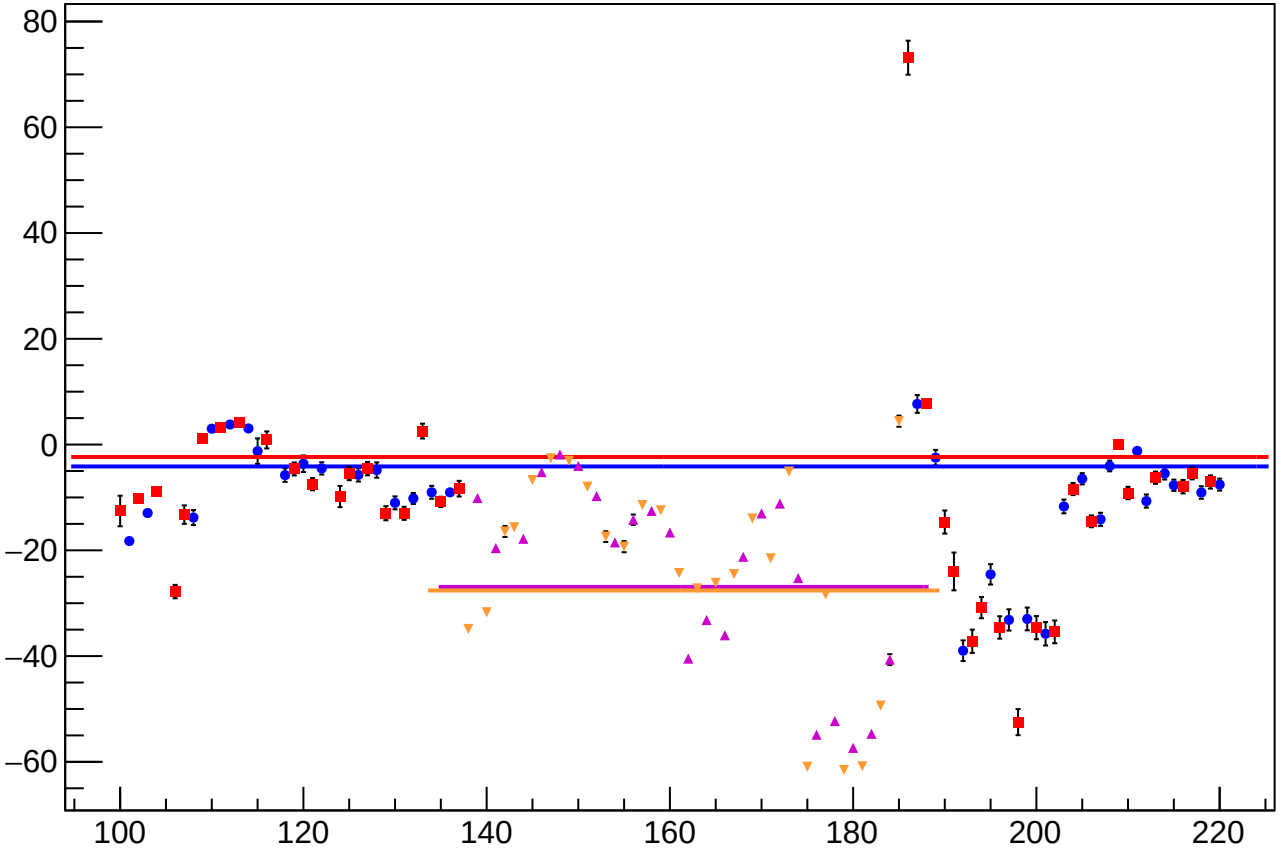
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.512+/-0.004 χ^2/NDF: 9393.7/57

All: 0.500+/-0.003 χ^2/NDF: 21073.0/117

- sign 0.487+/-0.004 χ^2/NDF: 11655.1/59

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -4.139+/-0.164 χ^2/NDF: 2851.2/32

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -2.348+/-0.150 χ^2/NDF: 4120.2/36

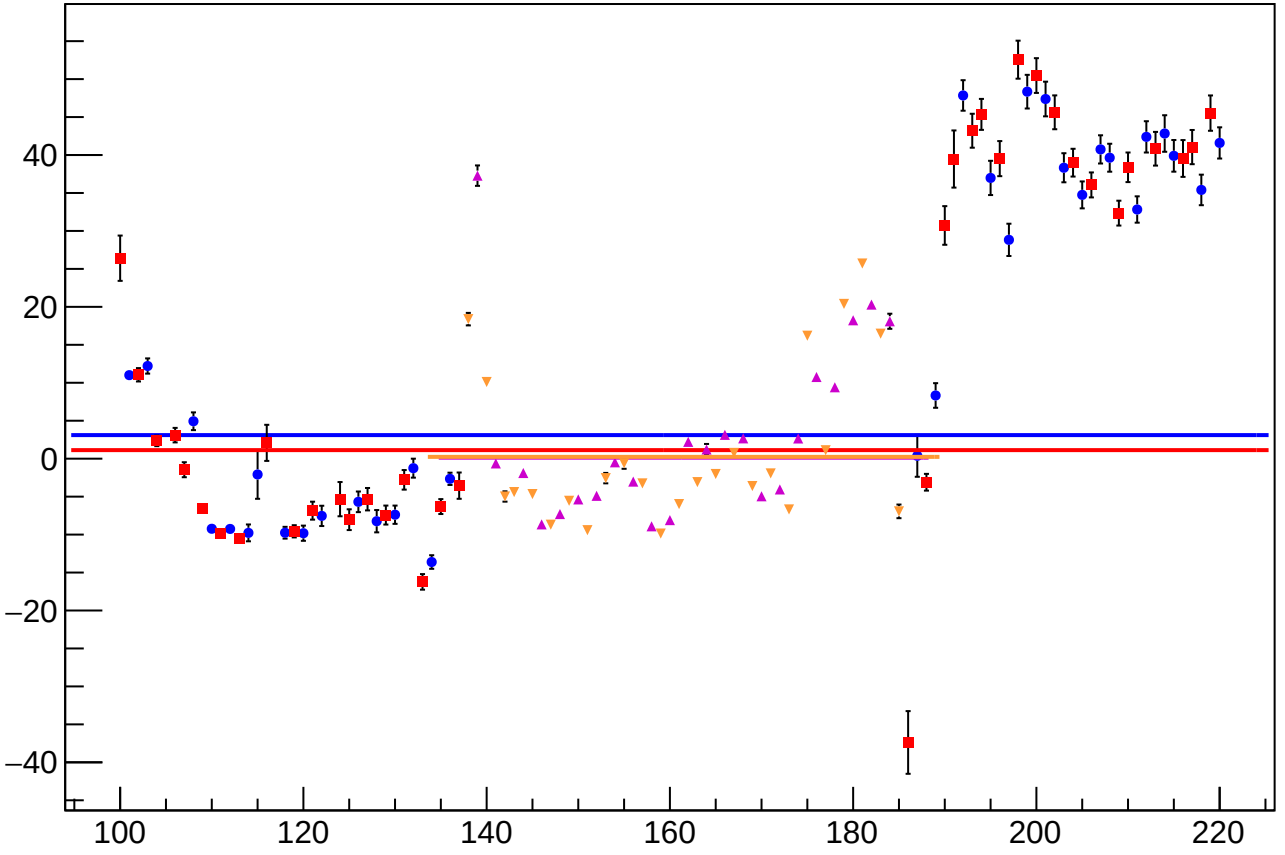
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -17.360+/-0.108 χ^2/NDF: 34139.3/57

All: -16.018+/-0.076 χ^2/NDF: 67541.2/117

- sign -14.735+/-0.106 χ^2/NDF: 33101.9/59

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 3.106+/-0.205 χ^2/NDF: 7341.8/32

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: 1.127+/-0.199 χ^2/NDF: 7381.2/36

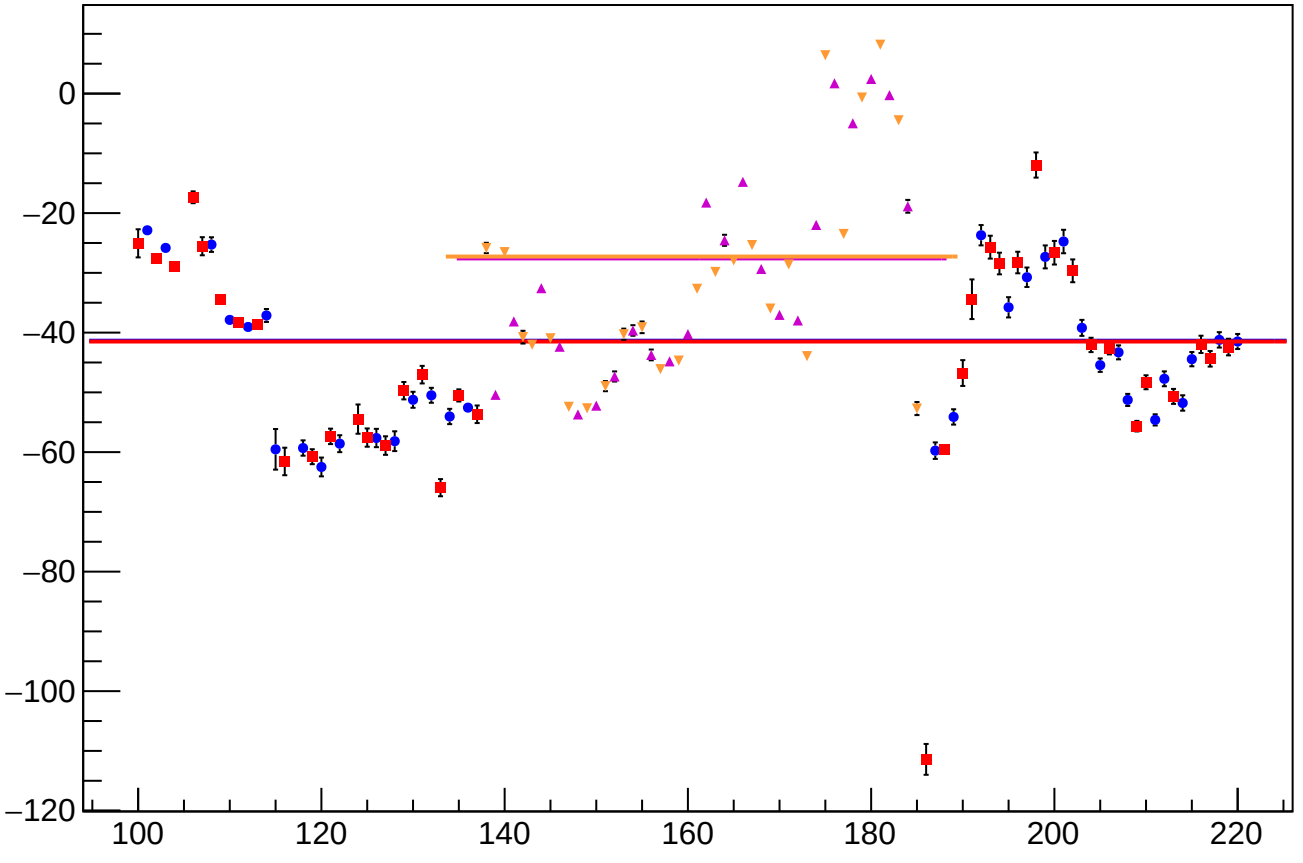
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign 0.883+/-0.097 χ^2/NDF: 15529.4/57

All: 0.636+/-0.069 χ^2/NDF: 28779.9/117

- sign 0.379+/-0.099 χ^2/NDF: 13237.3/59

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -41.357+/-0.183 χ^2/NDF: 4004.9/32

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -41.489+/-0.175 χ^2/NDF: 5358.5/36

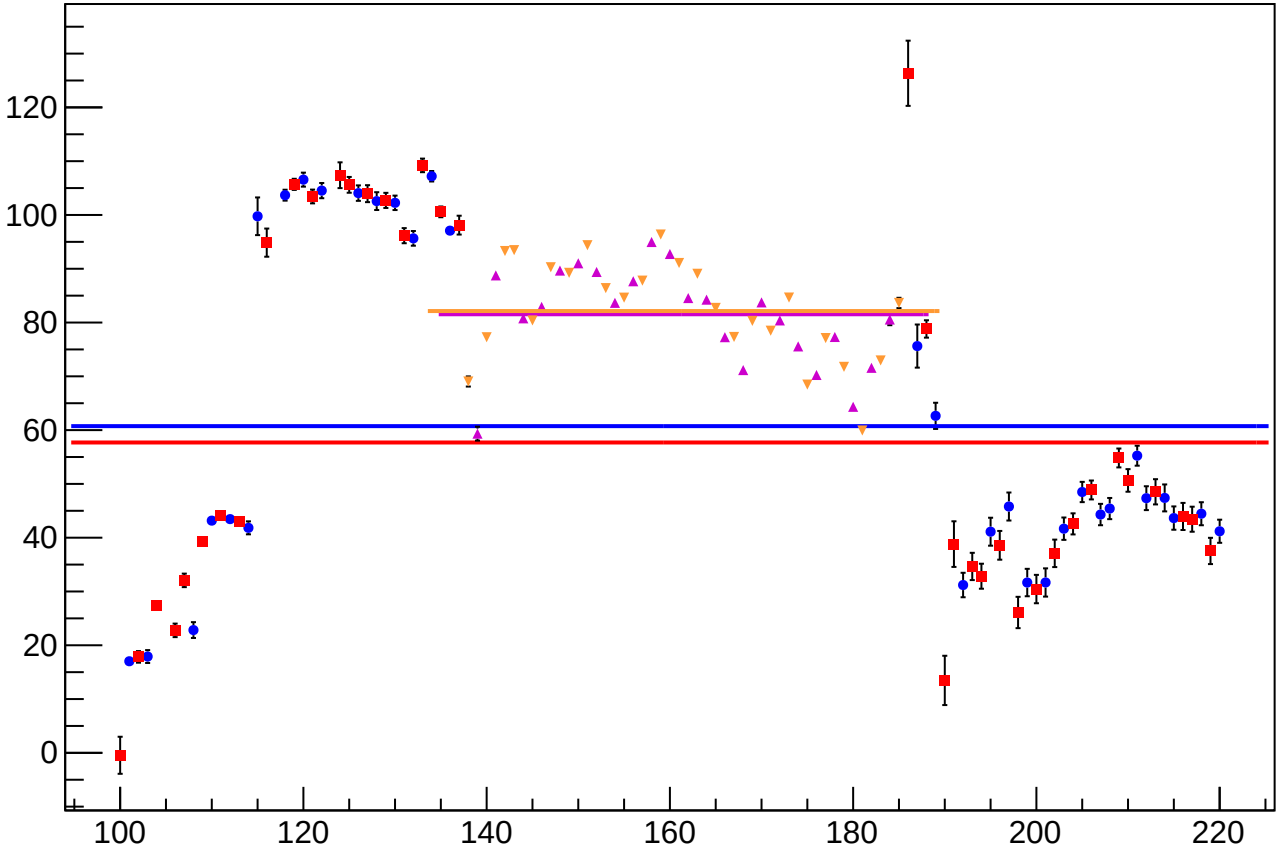
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -32.641+/-0.113 χ^2/NDF: 26185.1/57

All: -33.014+/-0.080 χ^2/NDF: 50888.5/117

- sign -33.387+/-0.113 χ^2/NDF: 24681.7/59

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 60.740+/-0.233 χ^2/NDF: 19834.2/32

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 57.700+/-0.227 χ^2/NDF: 18702.6/36

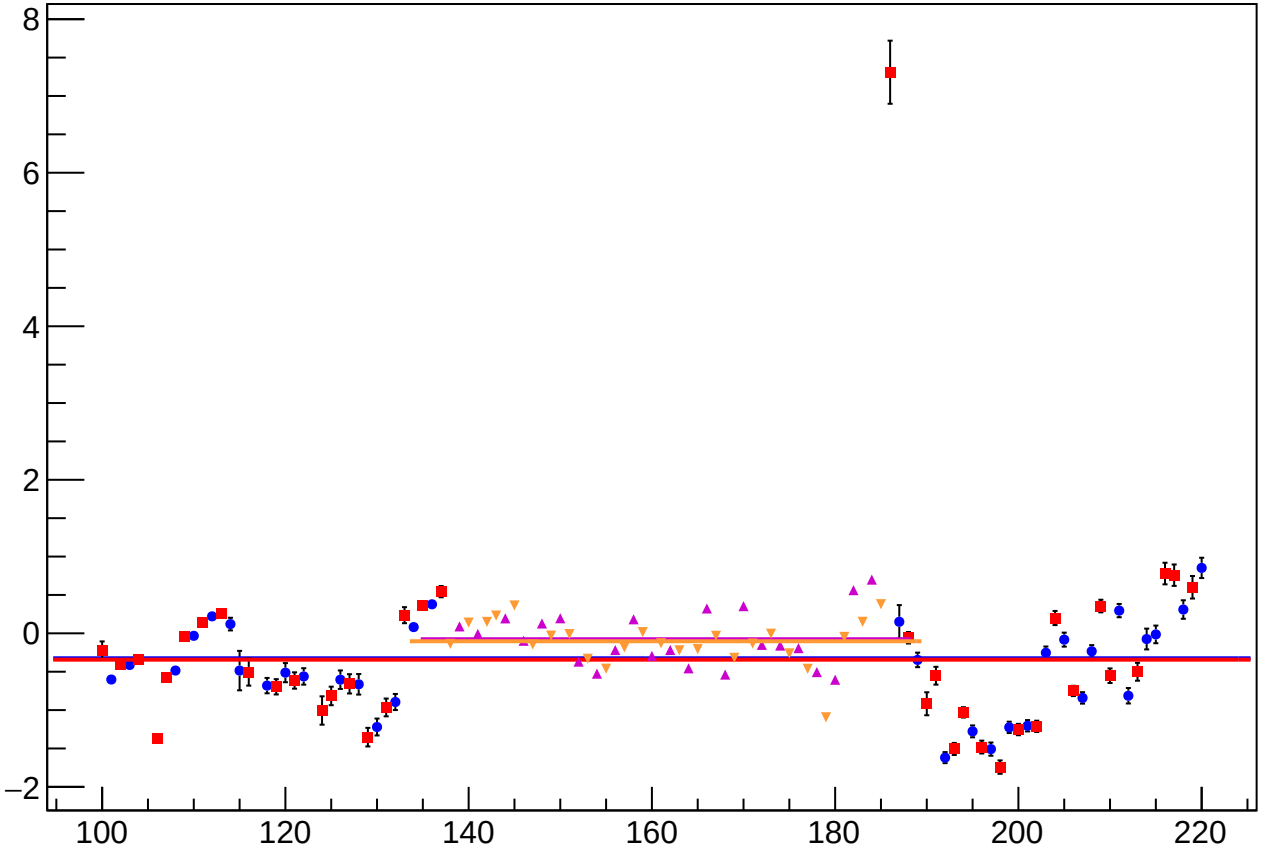
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

+ sign 77.366+/-0.110 χ^2/NDF: 31764.0/57

All: 76.561+/-0.079 χ^2/NDF: 62954.9/117

- sign 75.724+/-0.112 χ^2/NDF: 31081.7/59

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.325+/-0.011 χ^2/NDF: 2226.8/32

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.343+/-0.011 χ^2/NDF: 3215.1/36

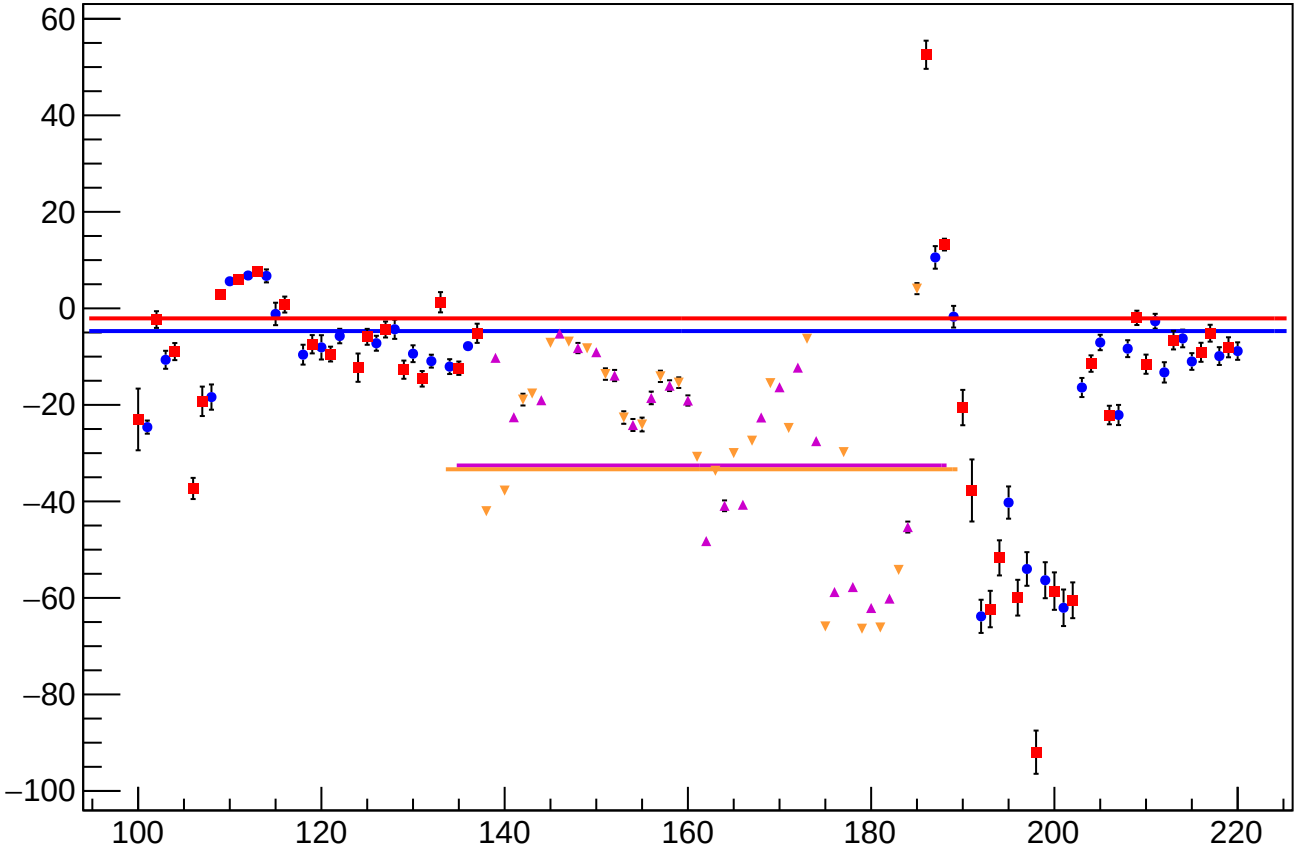
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.146+/-0.005 χ^2/NDF: 4938.1/57

All: -0.140+/-0.004 χ^2/NDF: 11931.1/117

- sign -0.133+/-0.005 χ^2/NDF: 6989.6/59

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -4.706+/-0.264 χ^2/NDF: 2228.4/32

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -2.074+/-0.248 χ^2/NDF: 3290.1/36

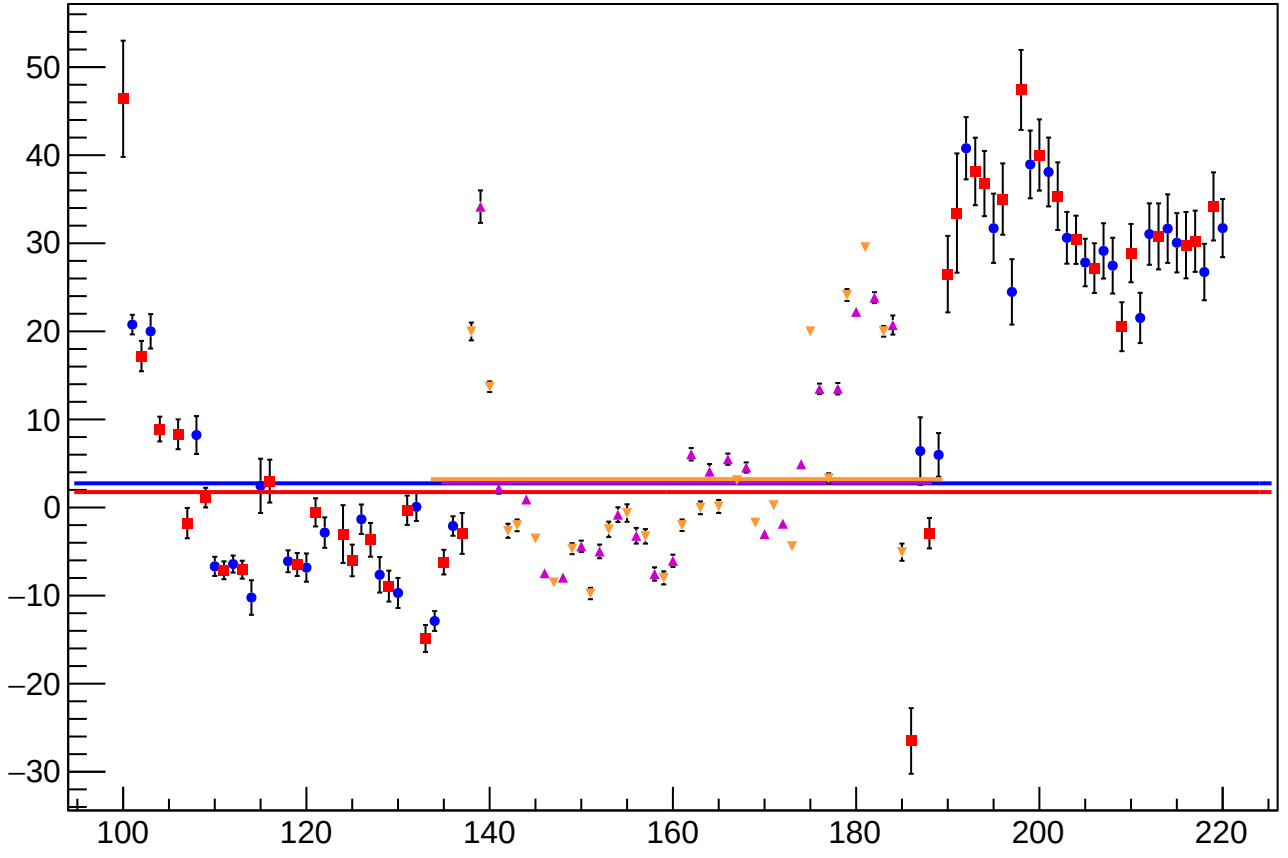
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

\+ sign -25.309+/-0.140 χ^2/NDF: 28713.3/57

All: -24.079+/-0.099 χ^2/NDF: 56370.5/117

\- sign -22.845+/-0.140 χ^2/NDF: 27501.8/59

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 2.745+/-0.325 χ^2/NDF: 2002.1/32

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

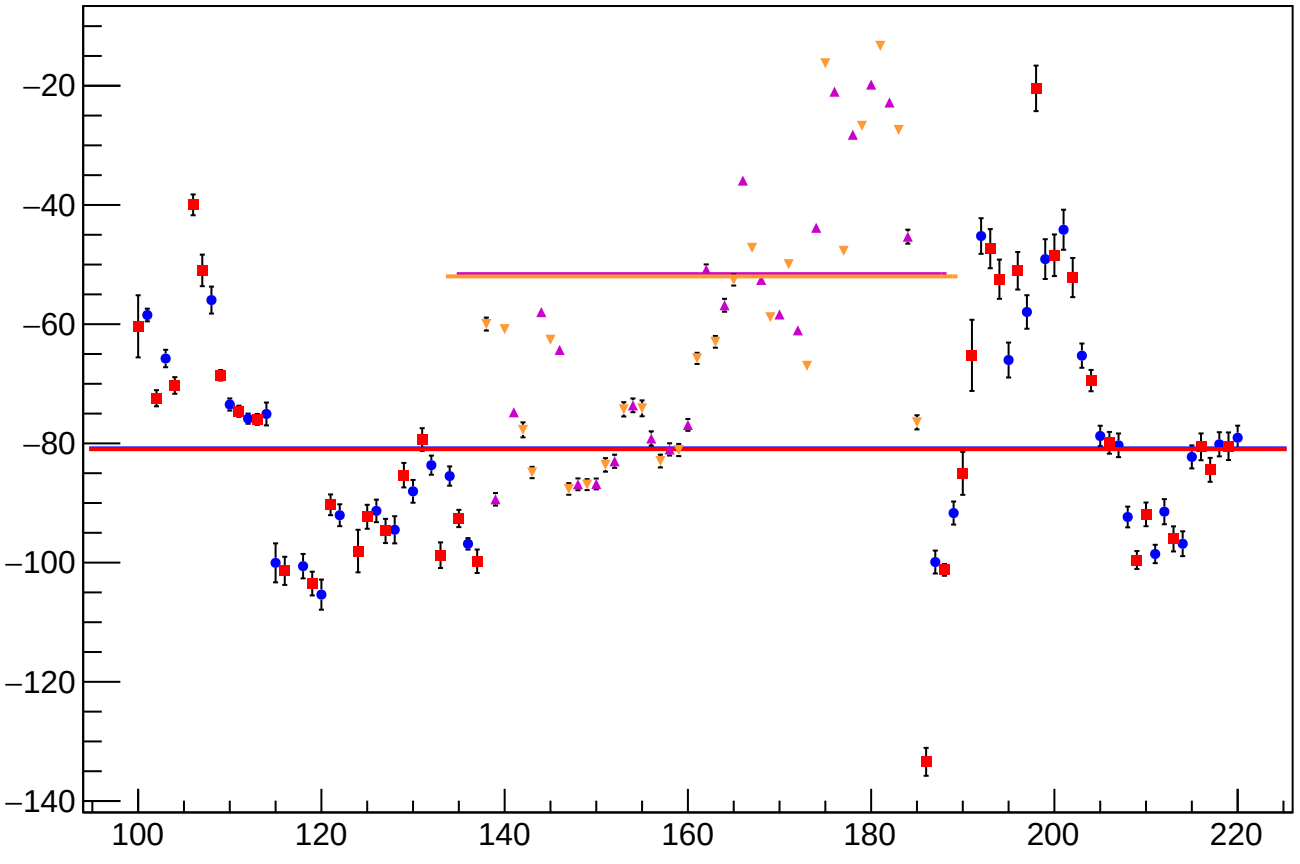
Right Out: 1.753+/-0.323 χ^2/NDF: 1776.6/36

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 3.160+/-0.119 χ^2/NDF: 9679.6/57

All: 2.930+/-0.085 χ^2/NDF: 16929.0/117

- sign 2.691+/-0.122 χ^2/NDF: 7241.9/59



Right In: -80.843+/-0.296 χ^2/NDF: 2286.6/32

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -80.969+/-0.288 χ^2/NDF: 3527.0/36

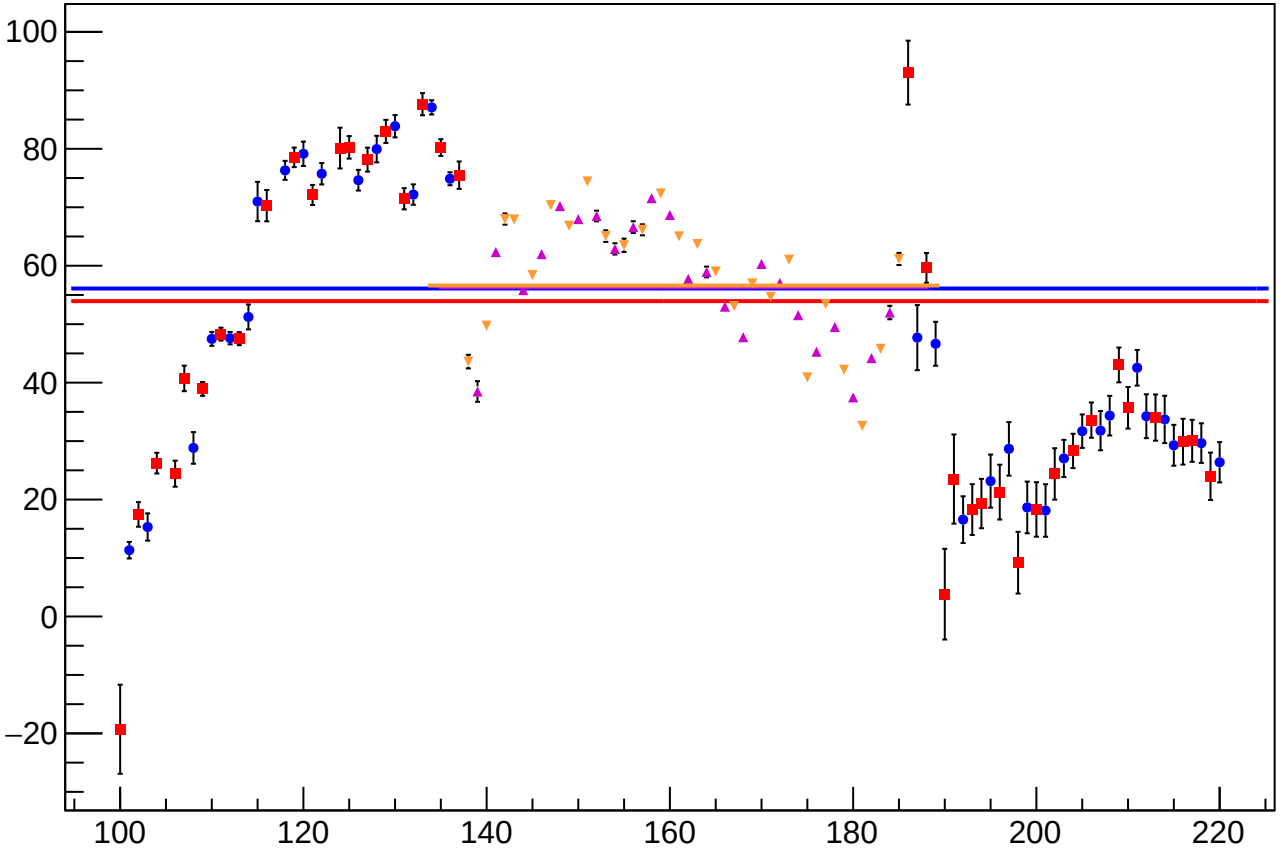
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -58.805+/-0.144 χ^2/NDF: 30422.9/57

All: -58.960+/-0.102 χ^2/NDF: 59286.4/117

- sign -59.119+/-0.146 χ^2/NDF: 28861.1/59

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 56.104+/-0.366 χ^2/NDF: 4253.3/32

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 53.940+/-0.367 χ^2/NDF: 3661.1/36

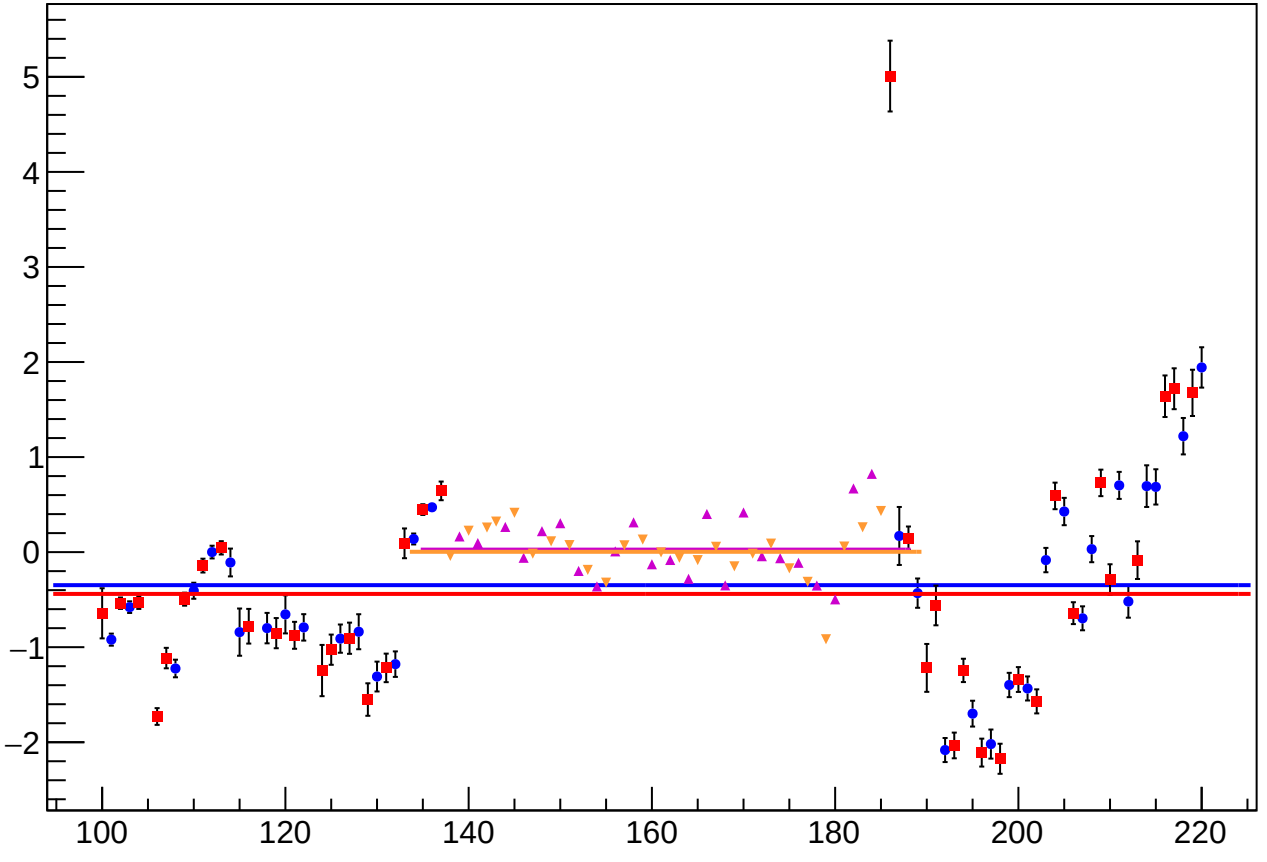
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

\+ sign 56.544+/-0.134 χ^2/NDF: 9921.1/57

All: 56.284+/-0.096 χ^2/NDF: 17595.8/117

\- sign 56.012+/-0.137 χ^2/NDF: 7667.0/59

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.347+/-0.019 χ^2/NDF: 1629.1/32

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.440+/-0.019 χ^2/NDF: 2028.8/36

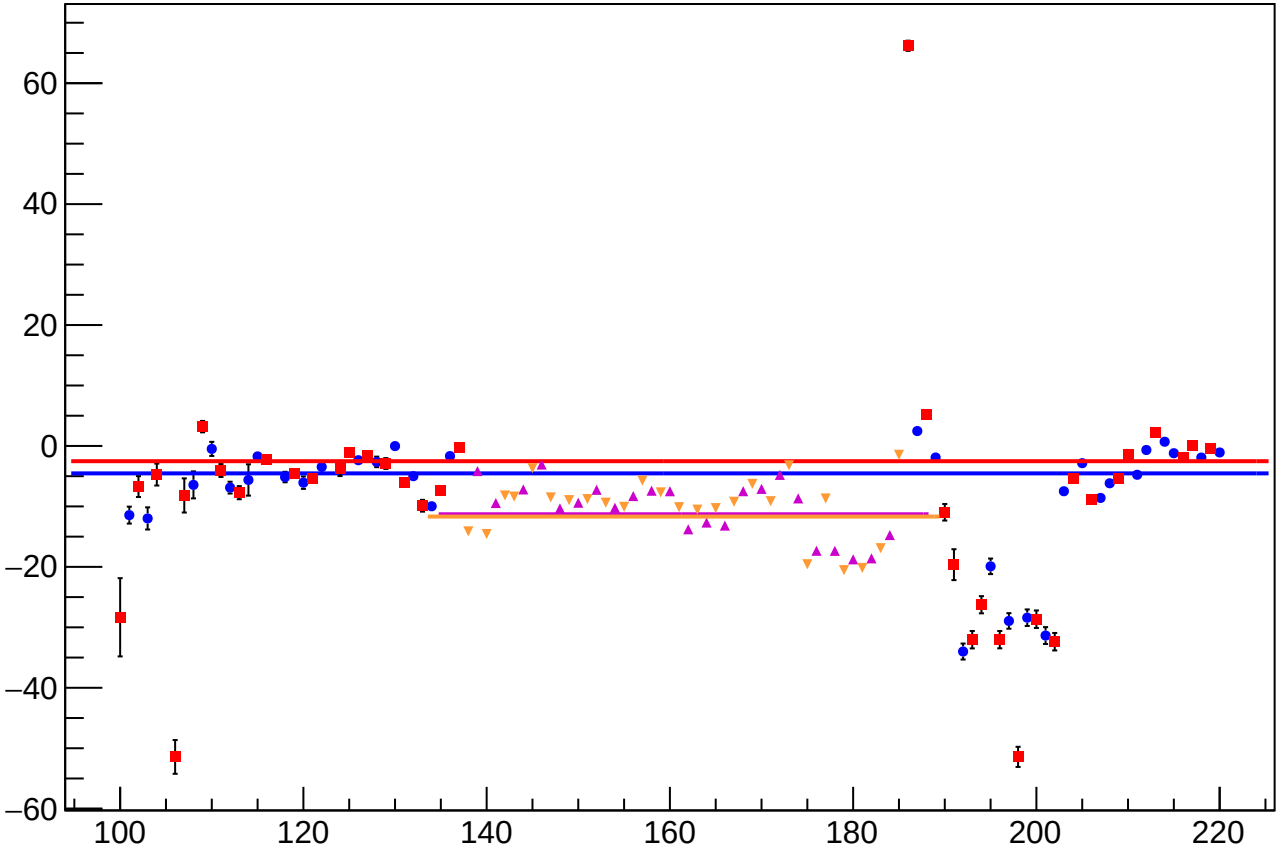
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.034+/-0.006 χ^2/NDF: 3647.0/57

All: -0.029+/-0.004 χ^2/NDF: 8572.7/117

- sign -0.025+/-0.006 χ^2/NDF: 4924.6/59

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -4.536+/-0.134 χ^2/NDF: 2222.2/32

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.521+/-0.138 χ^2/NDF: 10596.3/36

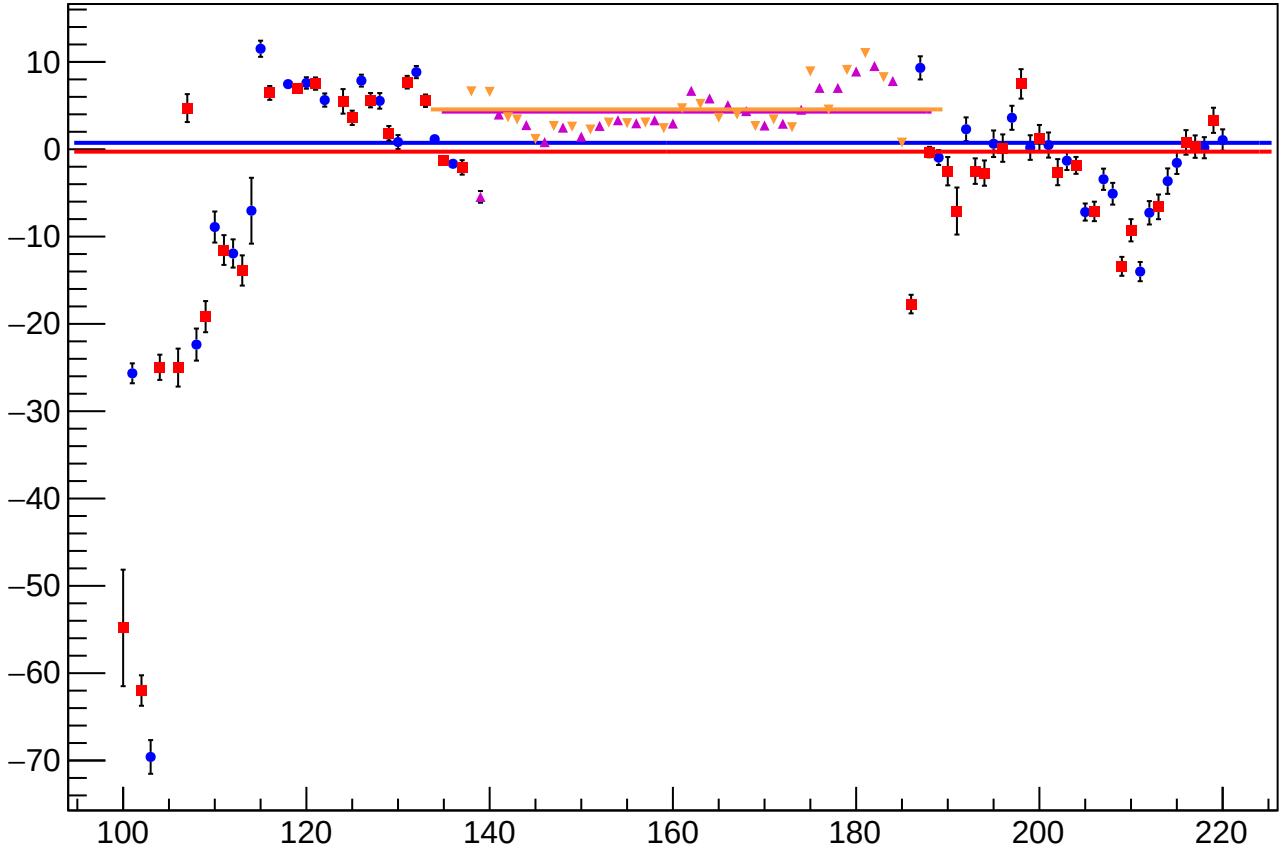
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -10.723+/-0.049 χ^2/NDF: 17291.7/57

All: -10.436+/-0.035 χ^2/NDF: 40701.4/117

- sign -10.135+/-0.050 χ^2/NDF: 23339.6/59

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 0.737+/-0.159 χ^2/NDF: 3258.0/32

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: -0.275+/-0.168 χ^2/NDF: 3206.3/36

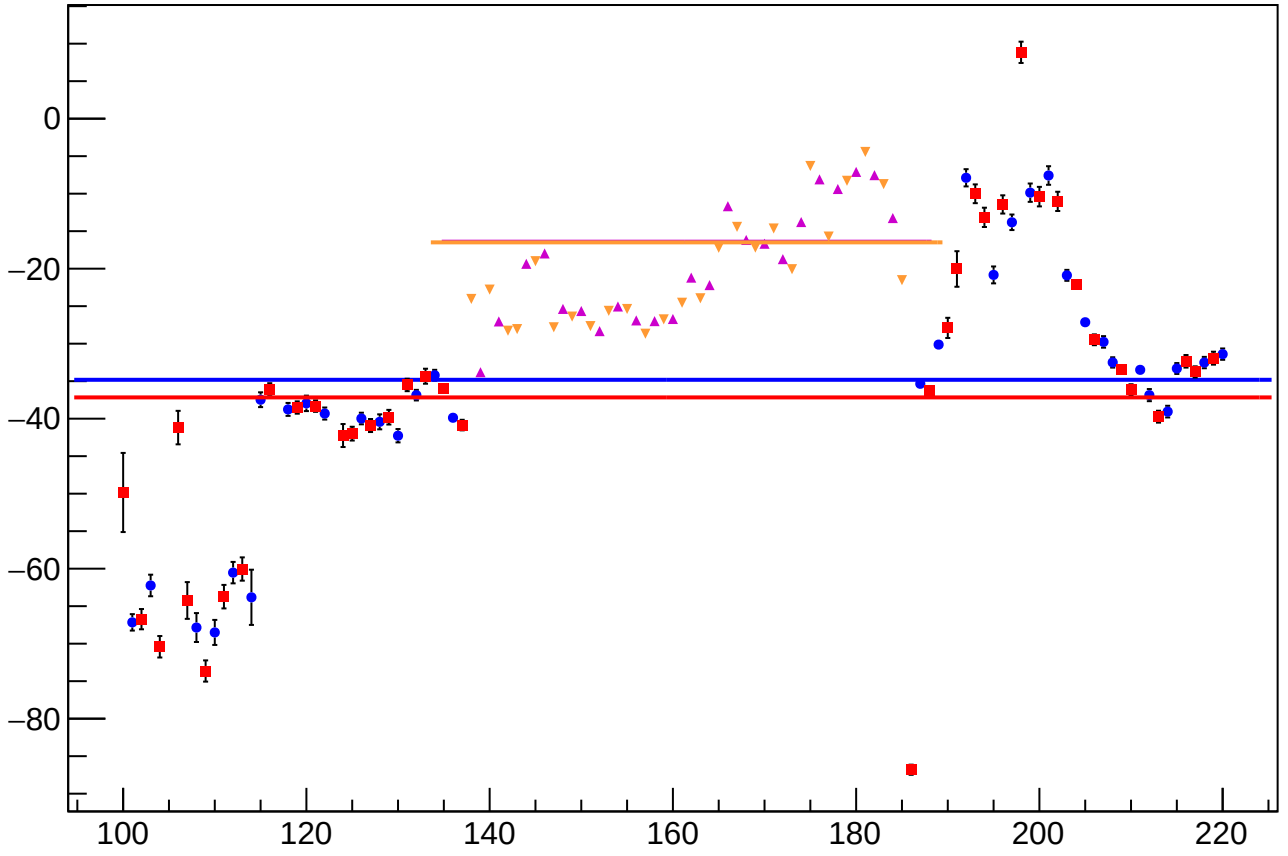
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.321+/-0.040 χ^2/NDF: 8156.1/57

All: 4.183+/-0.029 χ^2/NDF: 15693.3/117

- sign 4.038+/-0.041 χ^2/NDF: 7512.7/59

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -34.817+/-0.140 χ^2/NDF: 5459.6/32

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -37.165+/-0.142 χ^2/NDF: 11920.5/36

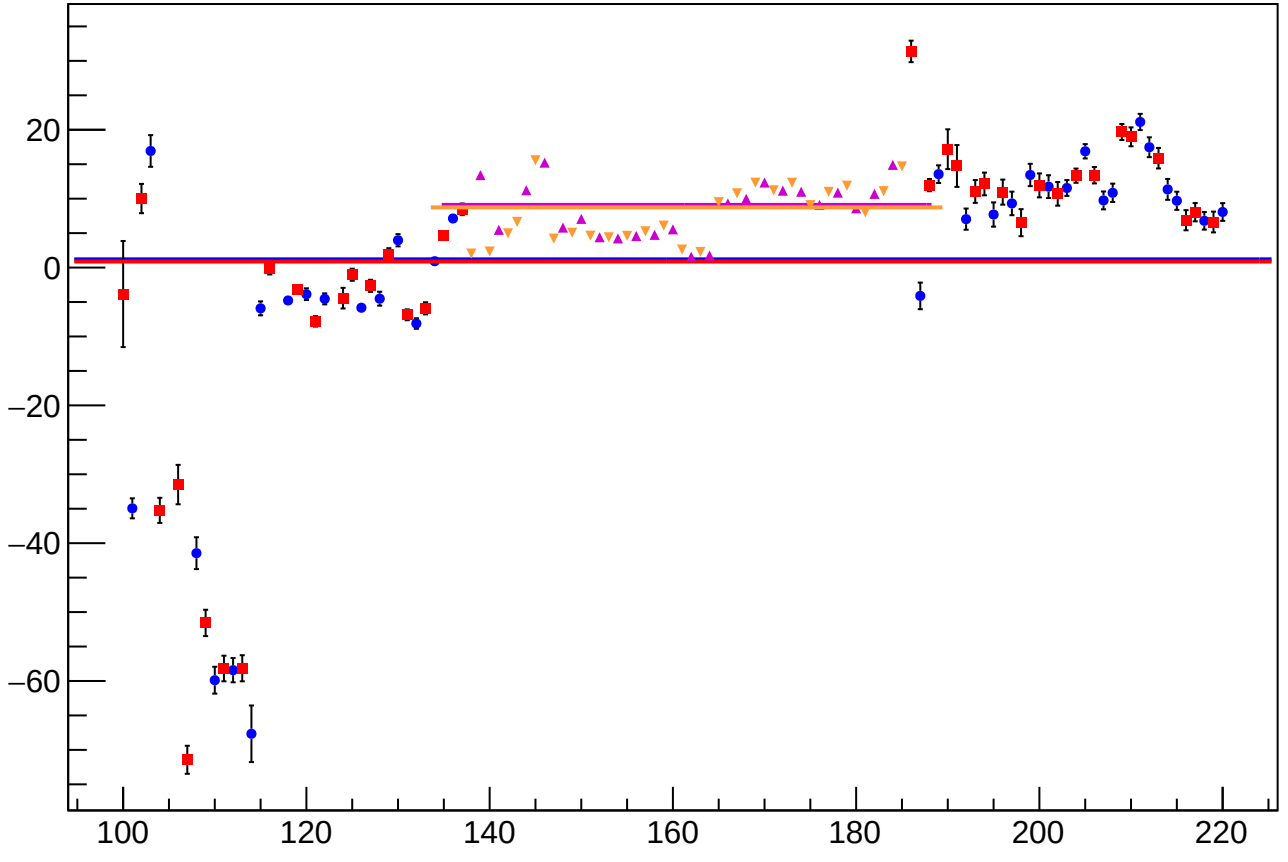
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.780+/-0.049 χ^2/NDF: 42487.1/57

All: -18.893+/-0.035 χ^2/NDF: 91079.4/117

- sign -19.011+/-0.050 χ^2/NDF: 48581.6/59

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: 1.193+/-0.178 χ^2/NDF: 5315.2/32

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: 0.877+/-0.191 χ^2/NDF: 6666.7/36

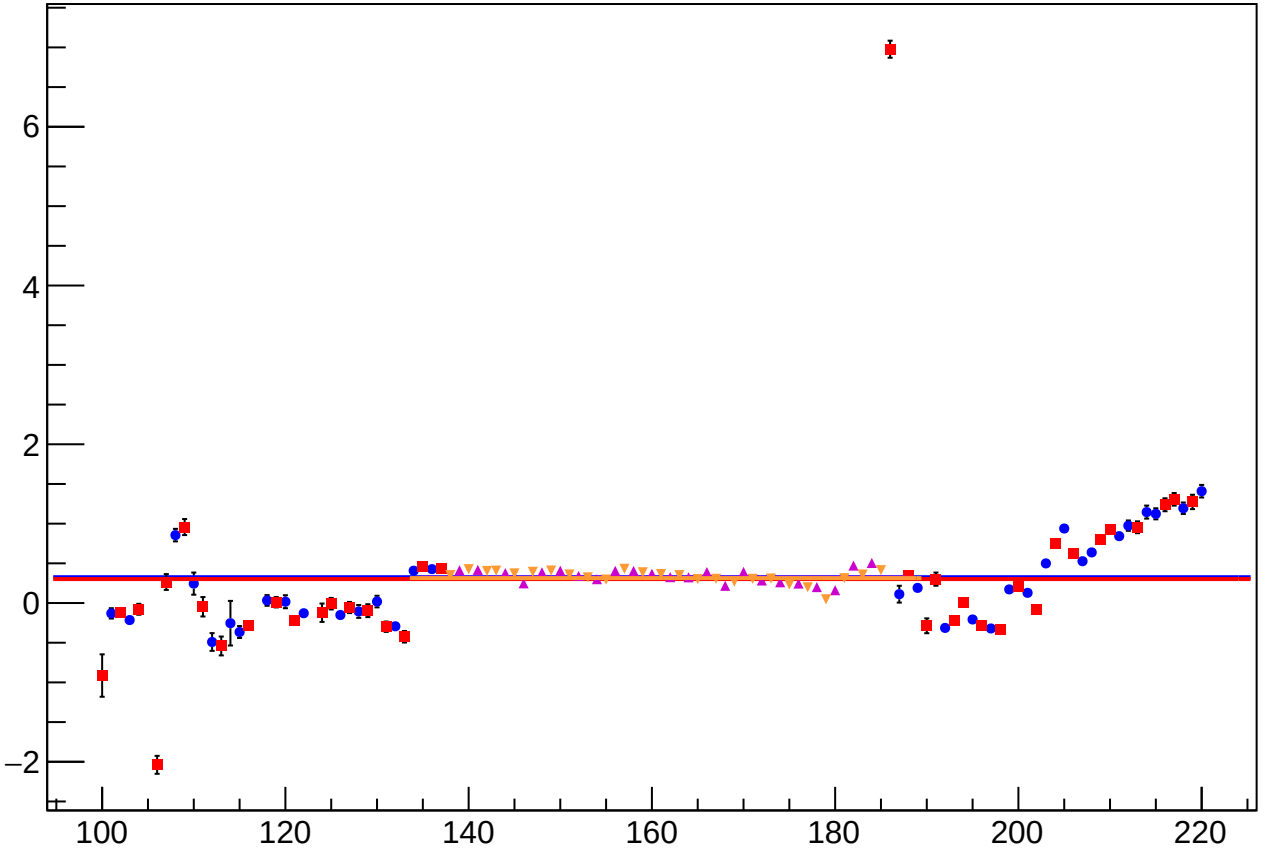
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

+ sign 8.256+/-0.045 χ^2/NDF: 13881.1/57

All: 8.437+/-0.032 χ^2/NDF: 28061.7/117

- sign 8.626+/-0.046 χ^2/NDF: 14147.1/59

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.325+/-0.009 χ^2/NDF: 2053.9/32

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

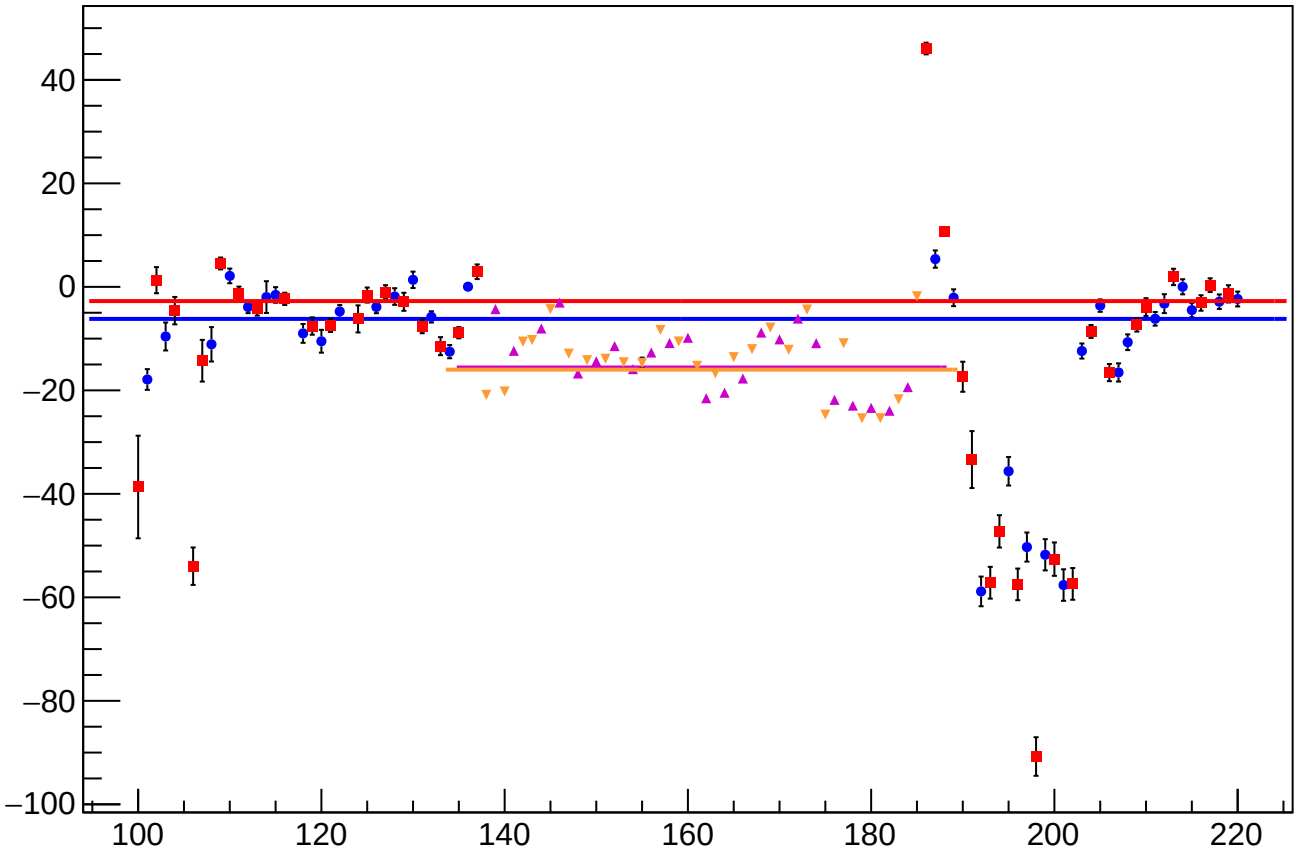
Right Out: 0.302+/-0.010 χ^2/NDF: 6273.3/36

Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

\+ sign 0.315+/-0.002 χ^2/NDF: 3657.5/57

All: 0.316+/-0.001 χ^2/NDF: 11722.9/117

\- sign 0.318+/-0.002 χ^2/NDF: 8064.0/59



Right In: -6.188+/-0.263 χ^2/NDF: 1597.2/32

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.746+/-0.264 χ^2/NDF: 4595.0/36

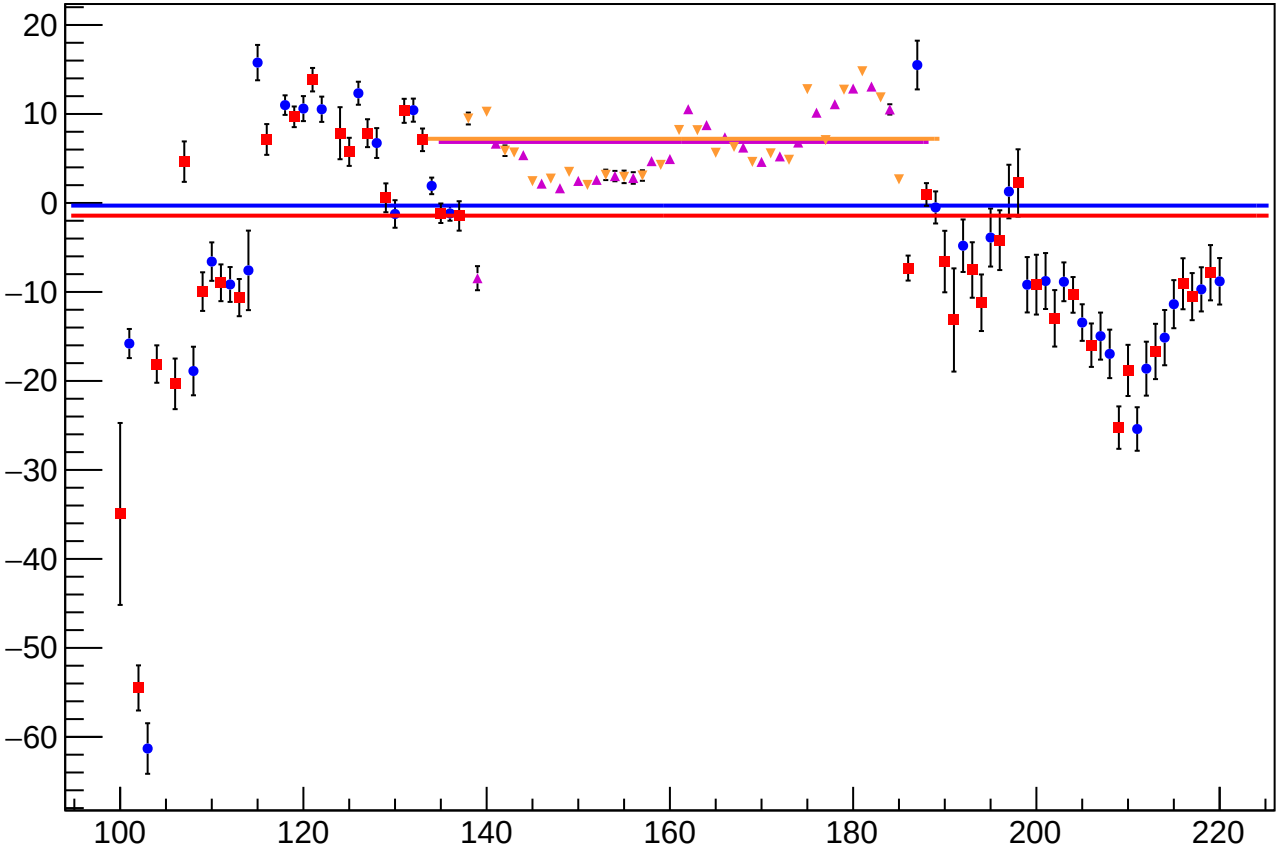
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

\+ sign -14.774+/-0.093 χ^2/NDF: 8778.1/57

All: -14.356+/-0.066 χ^2/NDF: 20228.0/117

\- sign -13.918+/-0.095 χ^2/NDF: 11408.5/59

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -0.297+/-0.311 χ^2/NDF: 1490.3/32

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

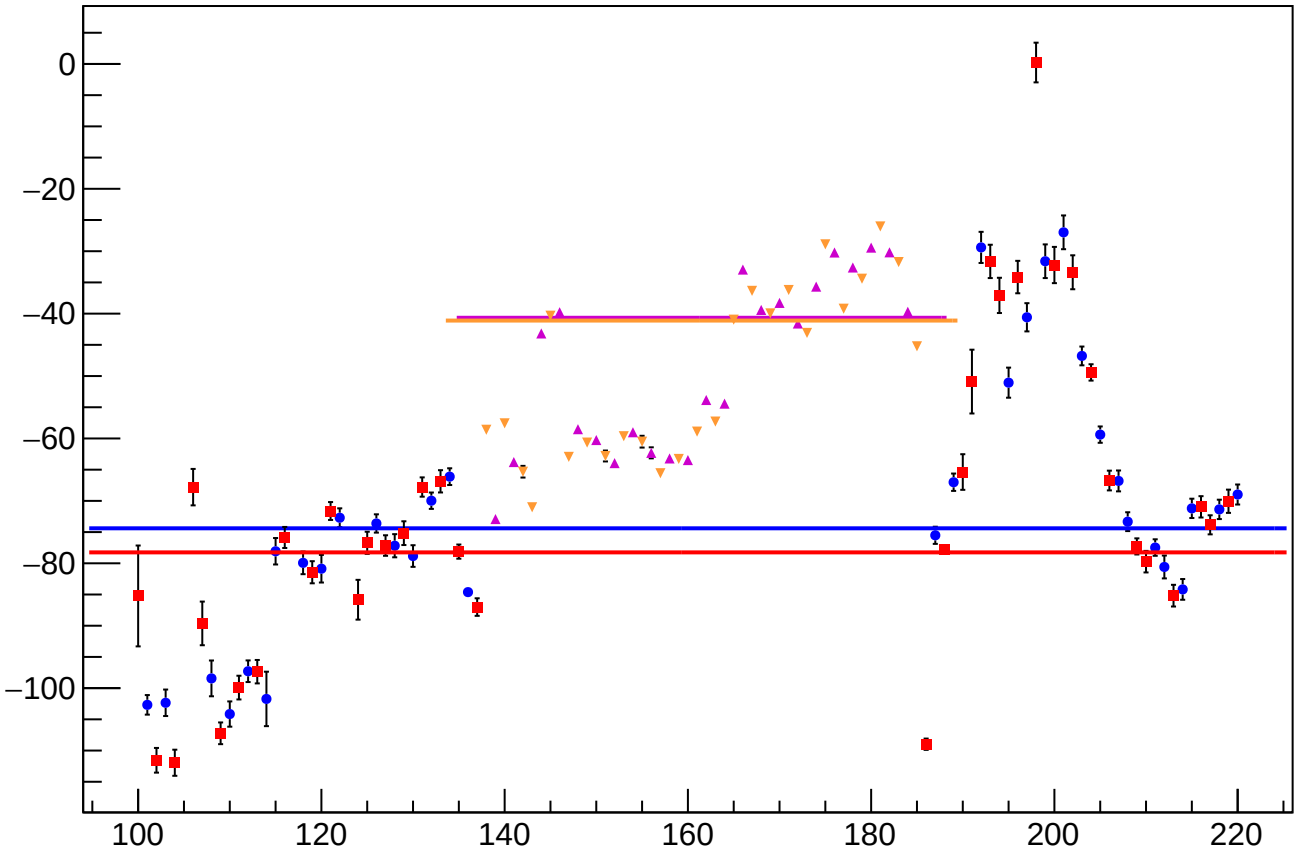
Right Out: -1.425+/-0.321 χ^2/NDF: 1349.8/36

Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.744+/-0.078 χ^2/NDF: 4494.5/57

All: 6.555+/-0.055 χ^2/NDF: 8636.7/117

- sign 6.361+/-0.079 χ^2/NDF: 4130.1/59



Right In: -74.394+/-0.278 χ^2/NDF: 3080.4/32

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.251+/-0.276 χ^2/NDF: 4983.8/36

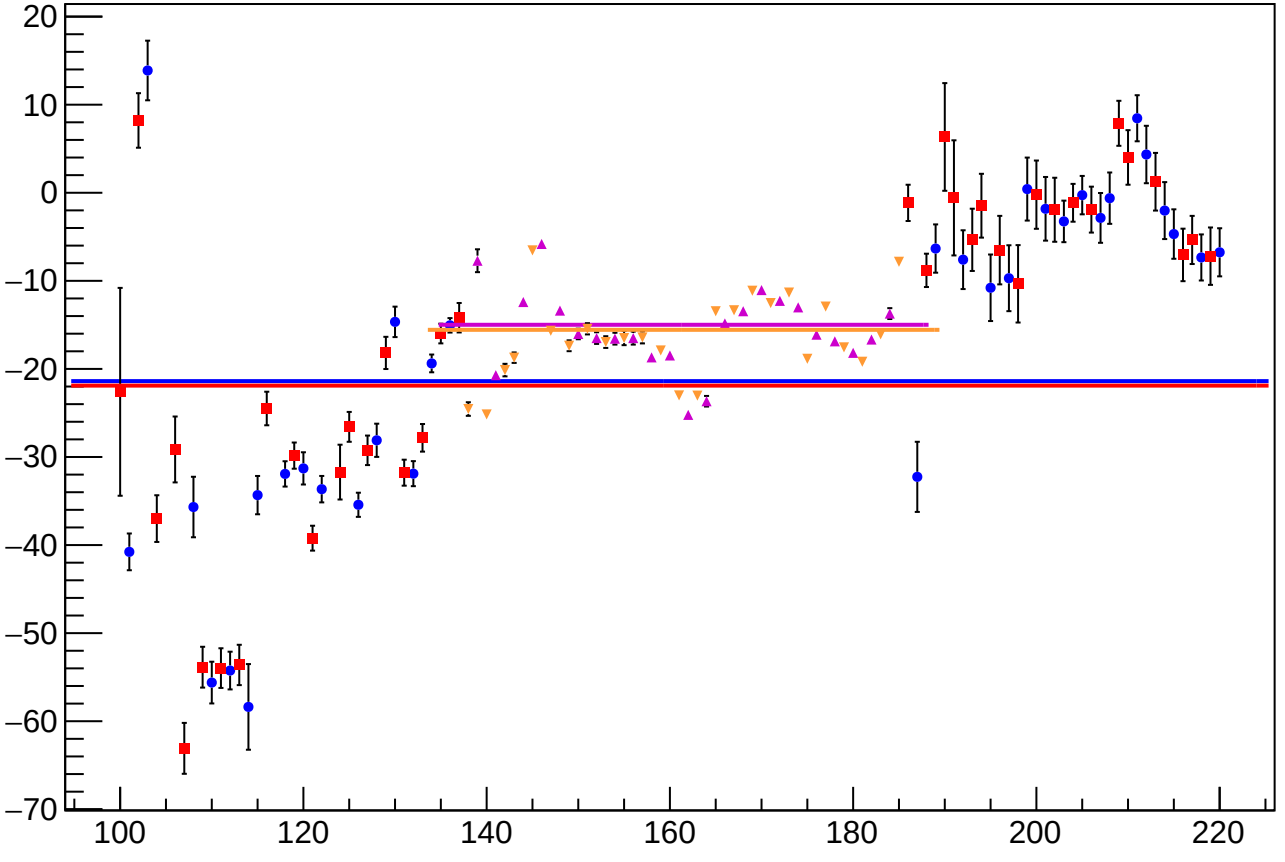
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

\+ sign -44.913+/-0.094 χ^2/NDF: 31736.7/57

All: -45.057+/-0.067 χ^2/NDF: 66603.8/117

\- sign -45.207+/-0.096 χ^2/NDF: 34862.3/59

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -21.386+/-0.346 χ^2/NDF: 1857.3/32

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -21.895+/-0.367 χ^2/NDF: 2058.0/36

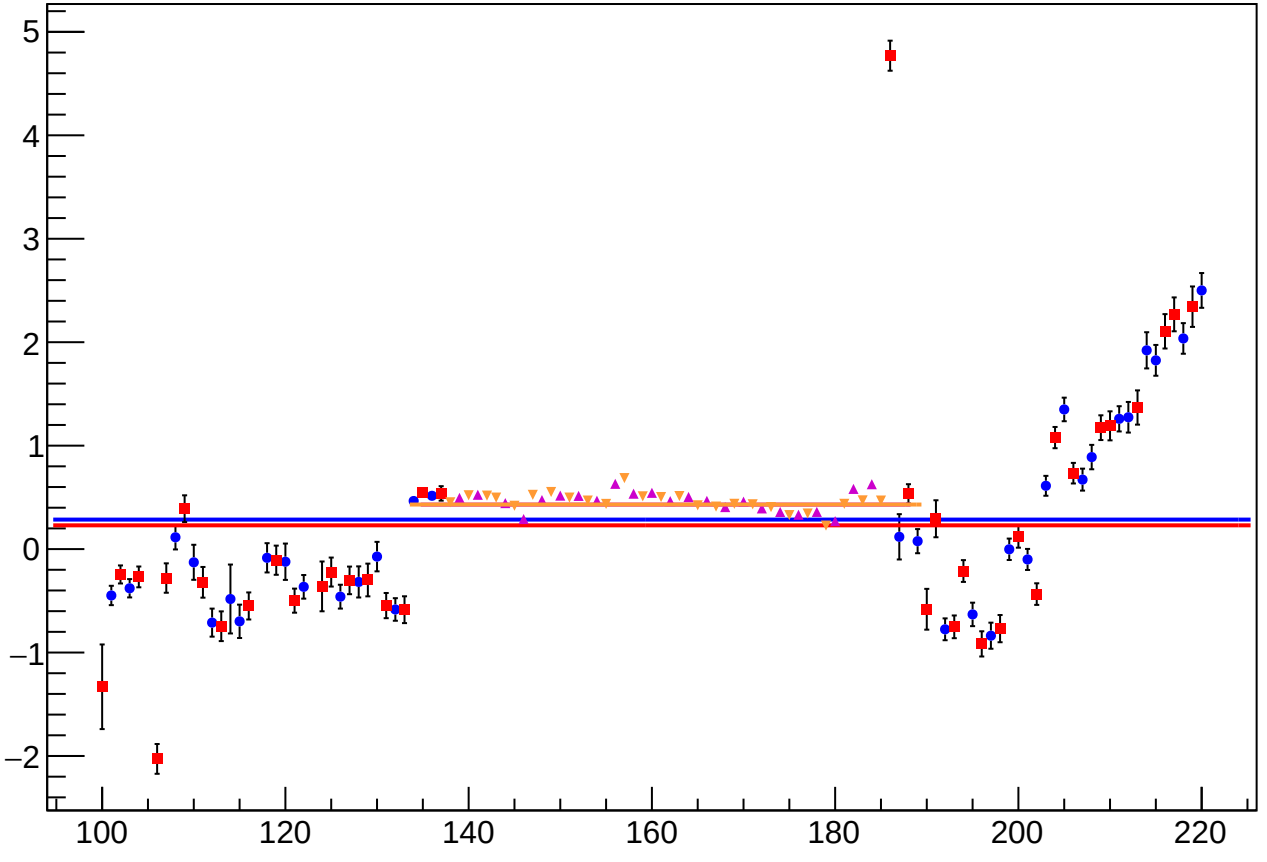
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -15.922+/-0.086 χ^2/NDF: 4672.4/57

All: -15.658+/-0.061 χ^2/NDF: 9234.0/117

- sign -15.384+/-0.088 χ^2/NDF: 4542.4/59

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.285+/-0.017 χ^2/NDF: 1481.2/32

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.230+/-0.019 χ^2/NDF: 2603.7/36

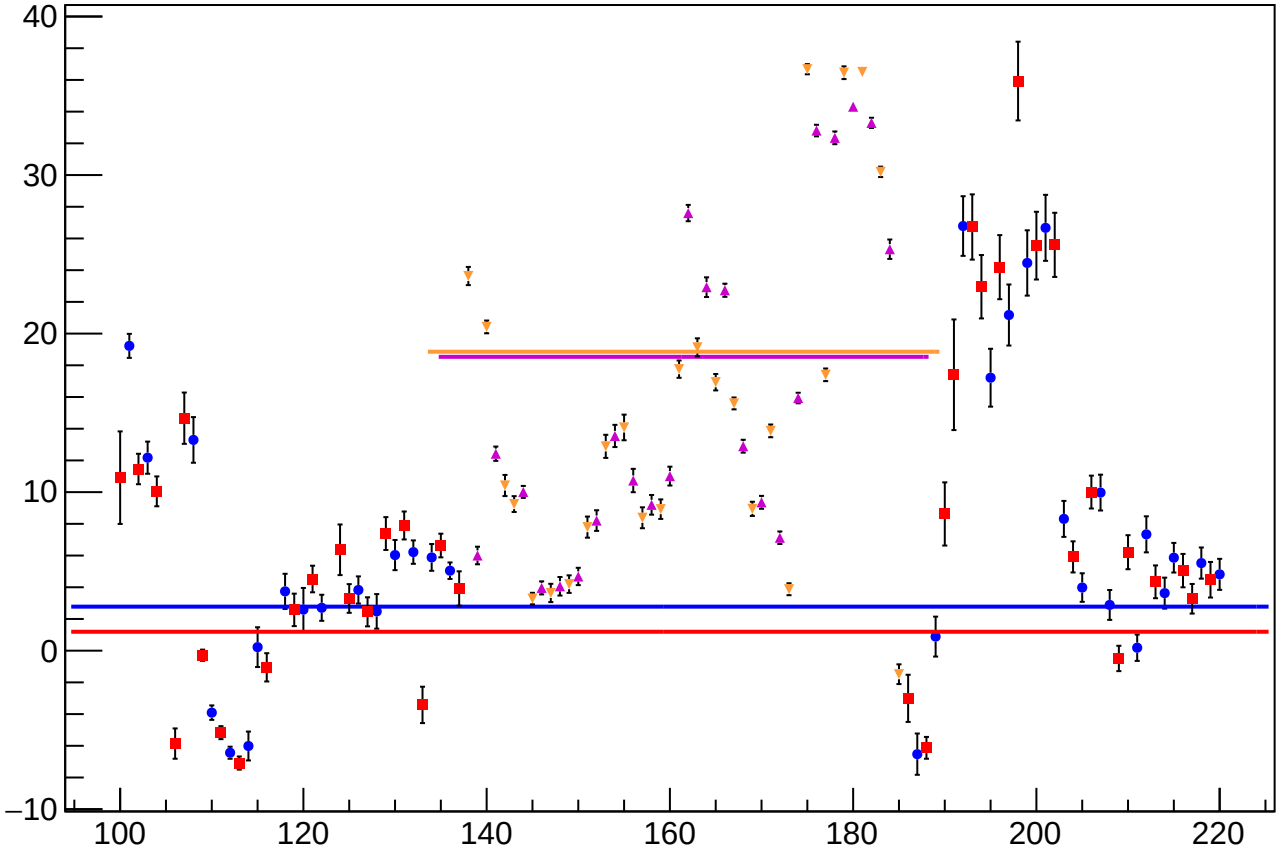
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.423+/-0.004 χ^2/NDF: 1966.2/57

All: 0.422+/-0.003 χ^2/NDF: 5262.1/117

- sign 0.421+/-0.004 χ^2/NDF: 3295.7/59

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.778+/-0.153 χ^2/NDF: 2306.0/32

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 1.194+/-0.144 χ^2/NDF: 2394.0/36

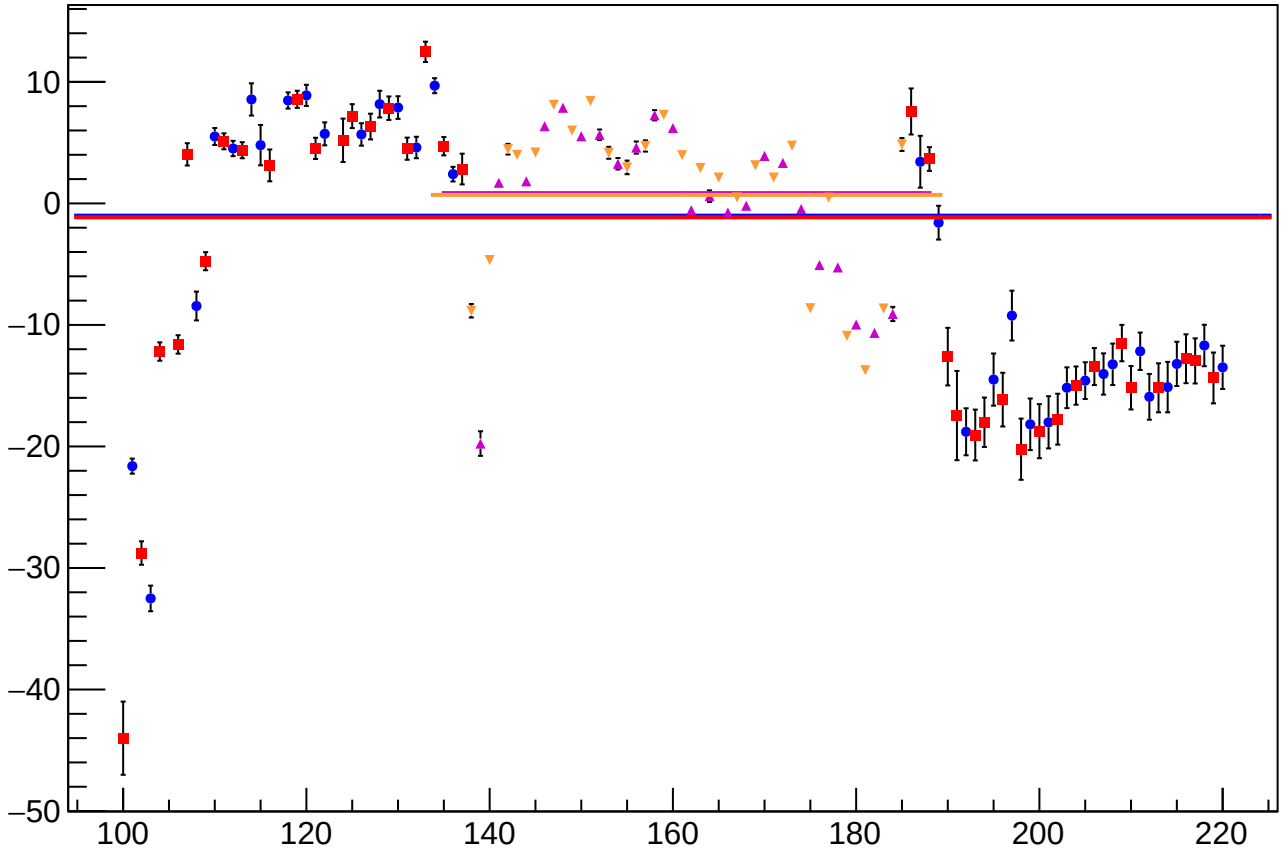
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 14.692+/-0.078 χ^2/NDF: 28876.0/57

All: 14.060+/-0.055 χ^2/NDF: 55671.5/117

- sign 13.421+/-0.078 χ^2/NDF: 26662.9/59

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -1.008+/-0.184 χ^2/NDF: 4056.8/32

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -1.146+/-0.183 χ^2/NDF: 3352.4/36

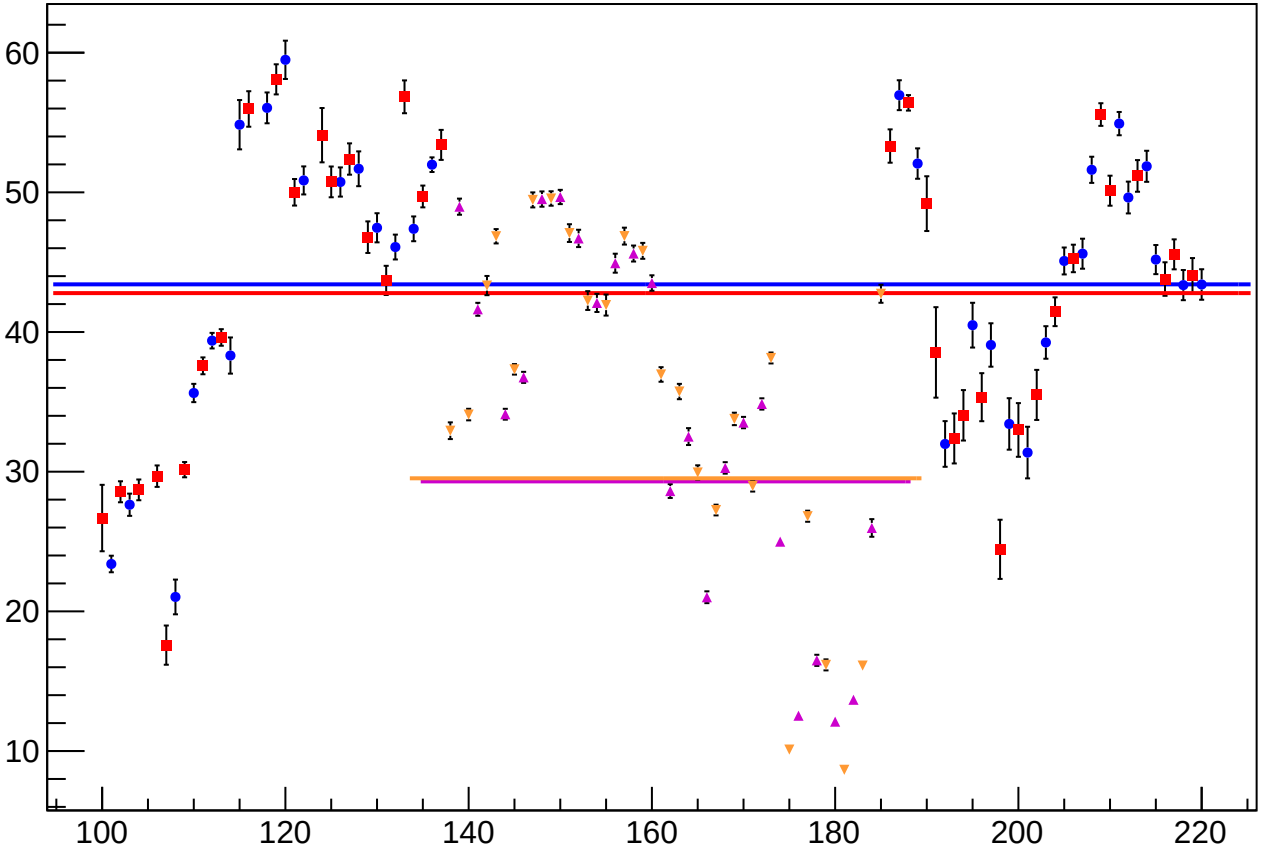
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.483+/-0.066 χ^2/NDF: 12369.7/57

All: 0.529+/-0.047 χ^2/NDF: 21871.2/117

- sign 0.576+/-0.067 χ^2/NDF: 9500.6/59

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 43.413+/-0.168 χ^2/NDF: 3569.6/32

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 42.785+/-0.163 χ^2/NDF: 4124.7/36

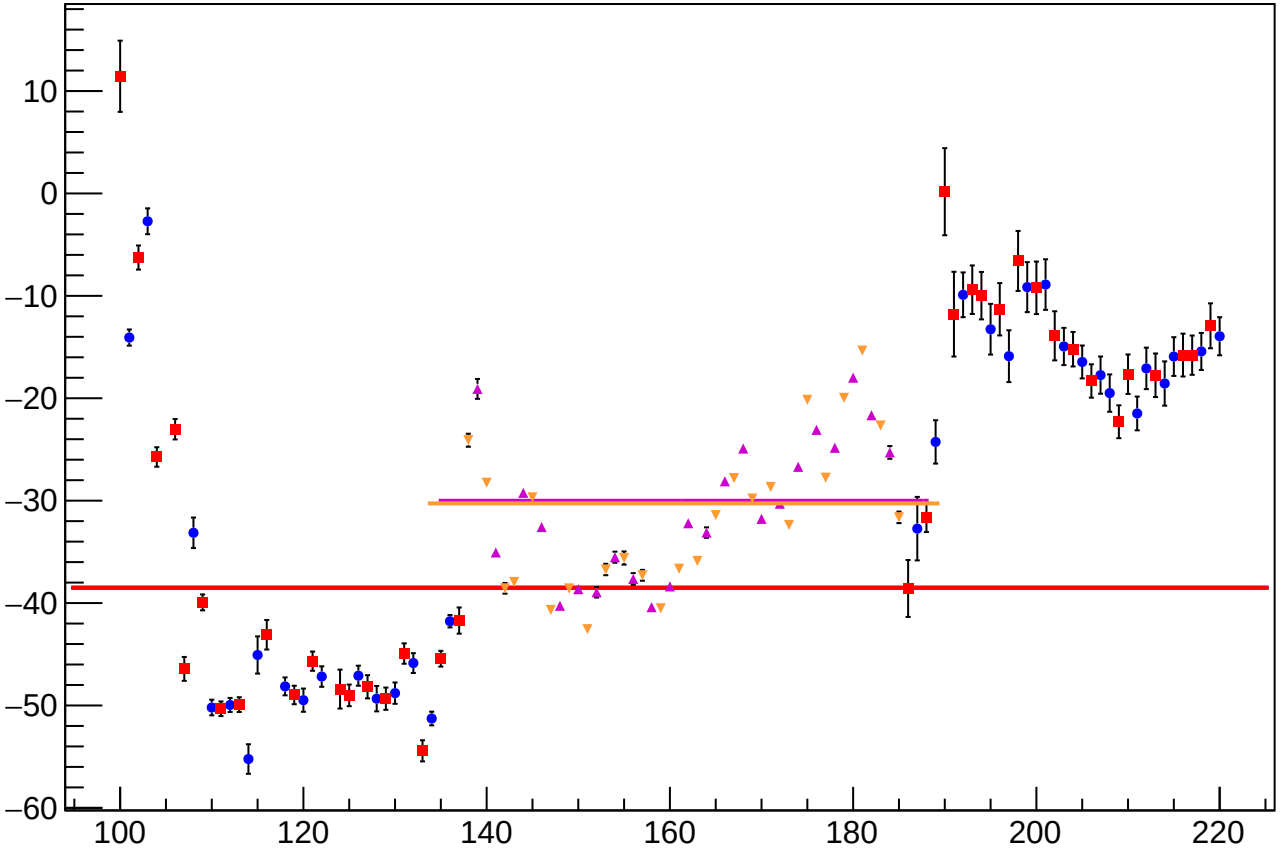
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 32.657+/-0.080 χ^2/NDF: 29952.1/57

All: 32.641+/-0.057 χ^2/NDF: 57110.3/117

- sign 32.625+/-0.081 χ^2/NDF: 27158.2/59

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -38.496+/-0.208 χ^2/NDF: 5491.0/32

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -38.508+/-0.208 χ^2/NDF: 4786.9/36

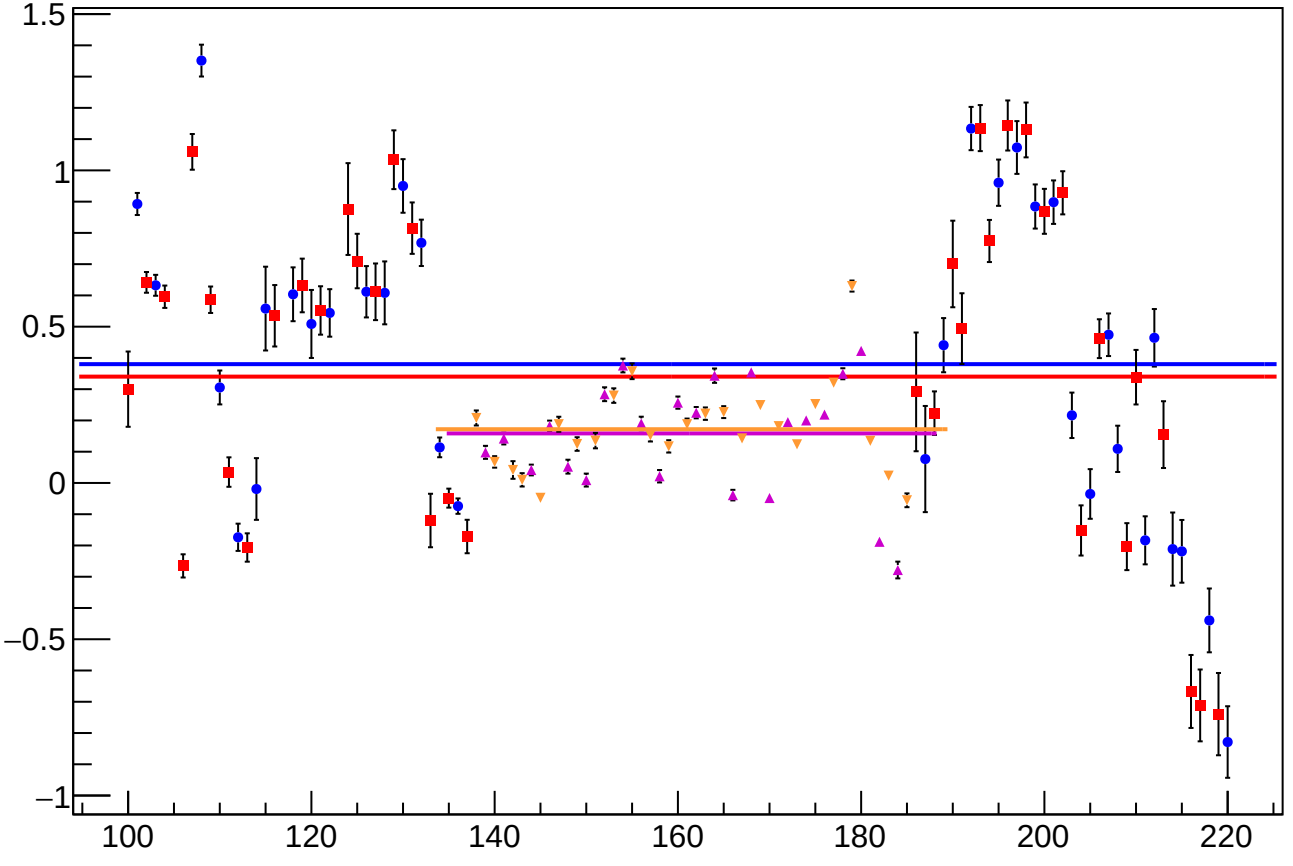
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.314+/-0.074 χ^2/NDF: 15361.7/57

All: -31.227+/-0.053 χ^2/NDF: 27679.2/117

- sign -31.136+/-0.076 χ^2/NDF: 12314.7/59

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.380+/-0.010 χ^2/NDF: 2019.1/32

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.340+/-0.010 χ^2/NDF: 2015.1/36

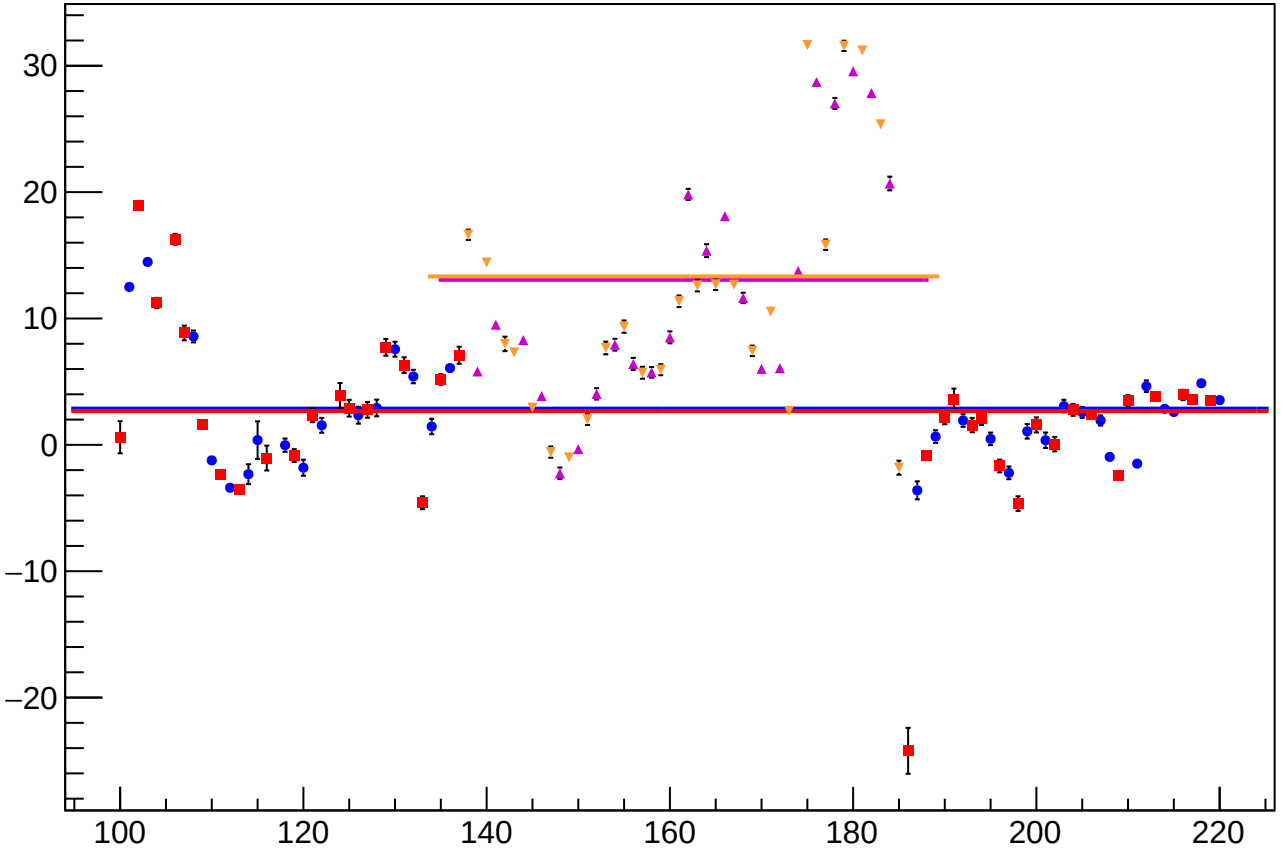
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.194+/-0.003 χ^2/NDF: 3877.7/57

All: 0.186+/-0.002 χ^2/NDF: 8363.4/117

- sign 0.178+/-0.003 χ^2/NDF: 4475.8/59

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.865+/-0.078 χ^2/NDF: 3388.1/32

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.680+/-0.075 χ^2/NDF: 5421.6/36

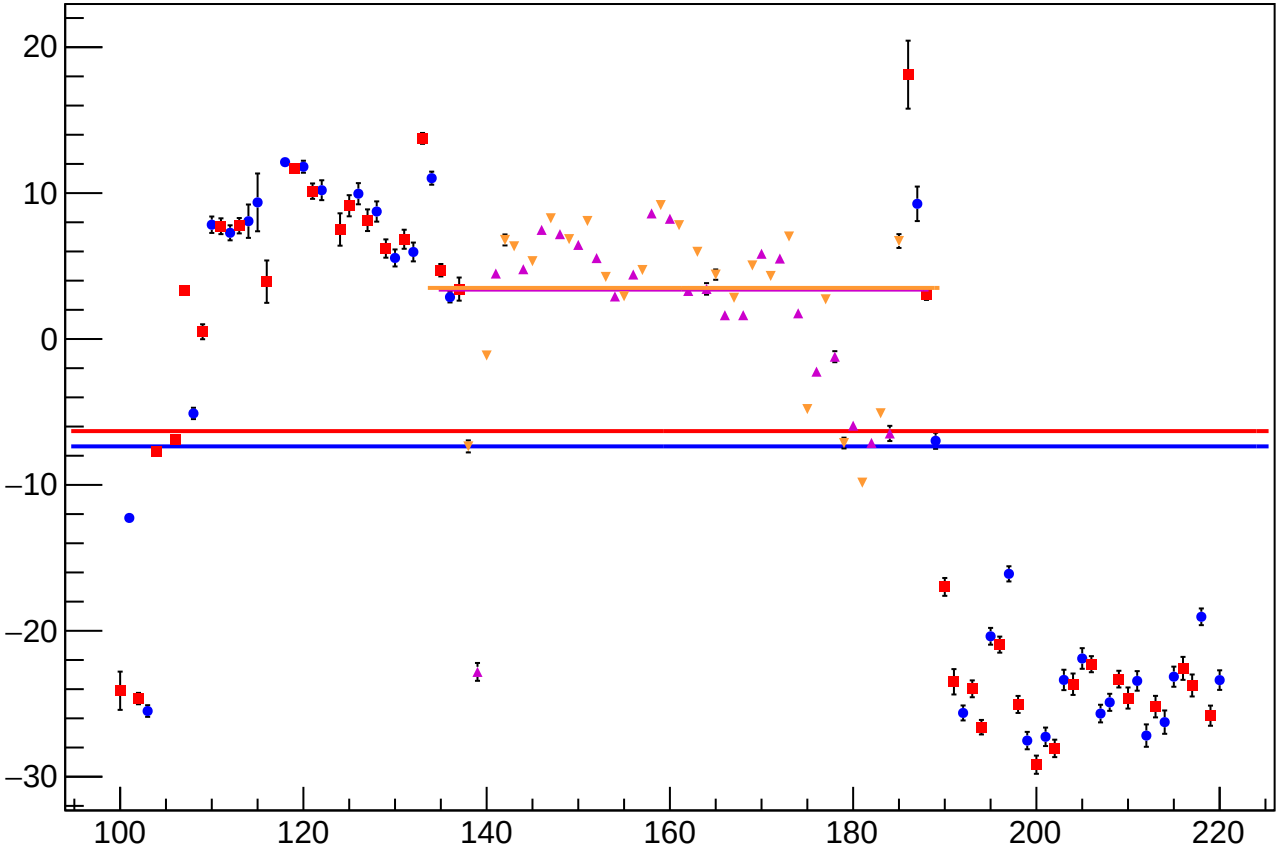
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 8.197+/-0.055 χ^2/NDF: 31937.4/57

All: 7.878+/-0.039 χ^2/NDF: 62058.6/117

- sign 7.563+/-0.054 χ^2/NDF: 30053.7/59

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -7.360+/-0.093 χ^2/NDF: 25772.0/32

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

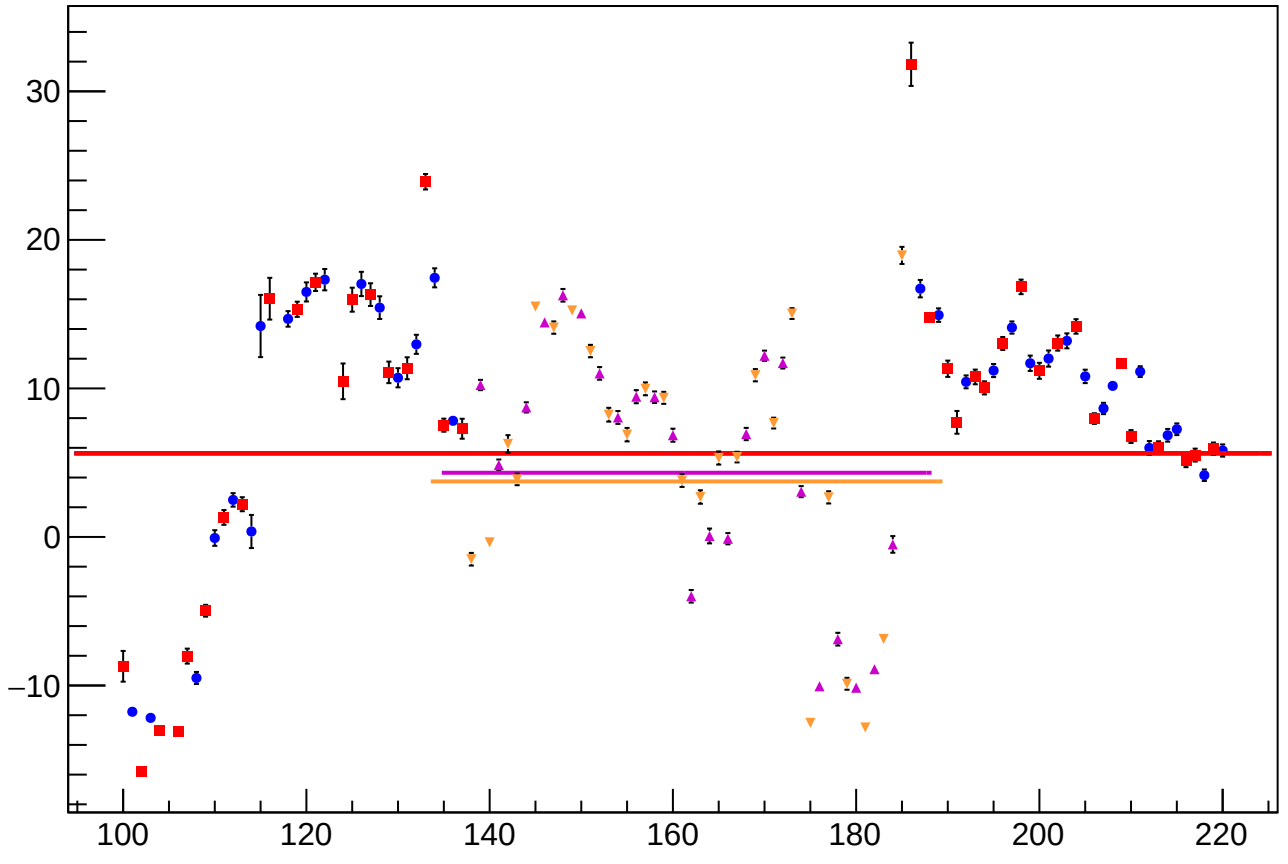
Right Out: -6.312+/-0.088 χ^2/NDF: 28128.4/36

Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 0.396+/-0.049 χ^2/NDF: 43523.9/57

All: 0.324+/-0.035 χ^2/NDF: 86531.1/117

- sign 0.251+/-0.050 χ^2/NDF: 43003.0/59



Right In: 5.610+/-0.078 χ^2/NDF: 14161.9/32

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

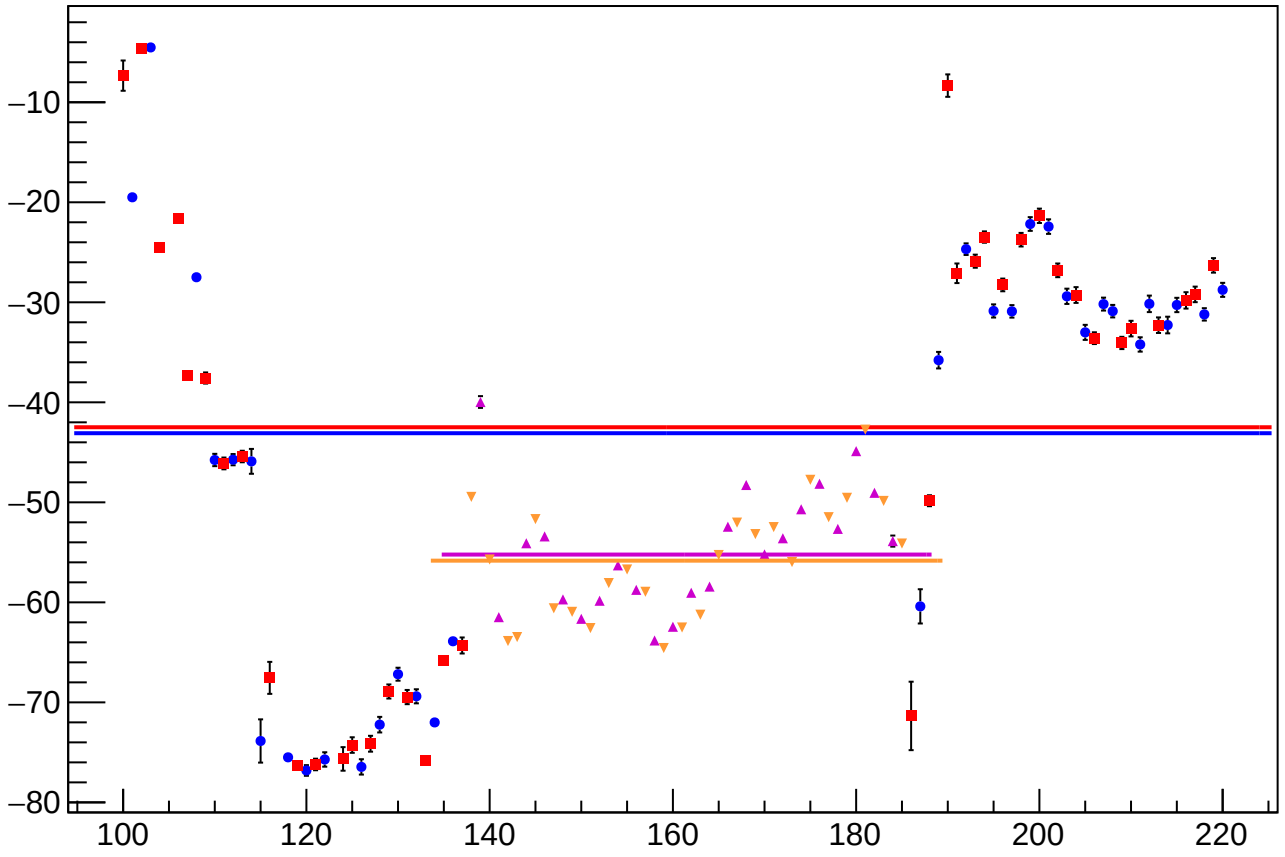
Right Out: 5.653+/-0.075 χ^2/NDF: 20398.0/36

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 4.650+/-0.055 χ^2/NDF: 30041.1/57

All: 4.837+/-0.038 χ^2/NDF: 63096.0/117

- sign 5.021+/-0.054 χ^2/NDF: 33031.7/59



Right In: -43.089+/-0.107 χ^2/NDF: 43973.9/32

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

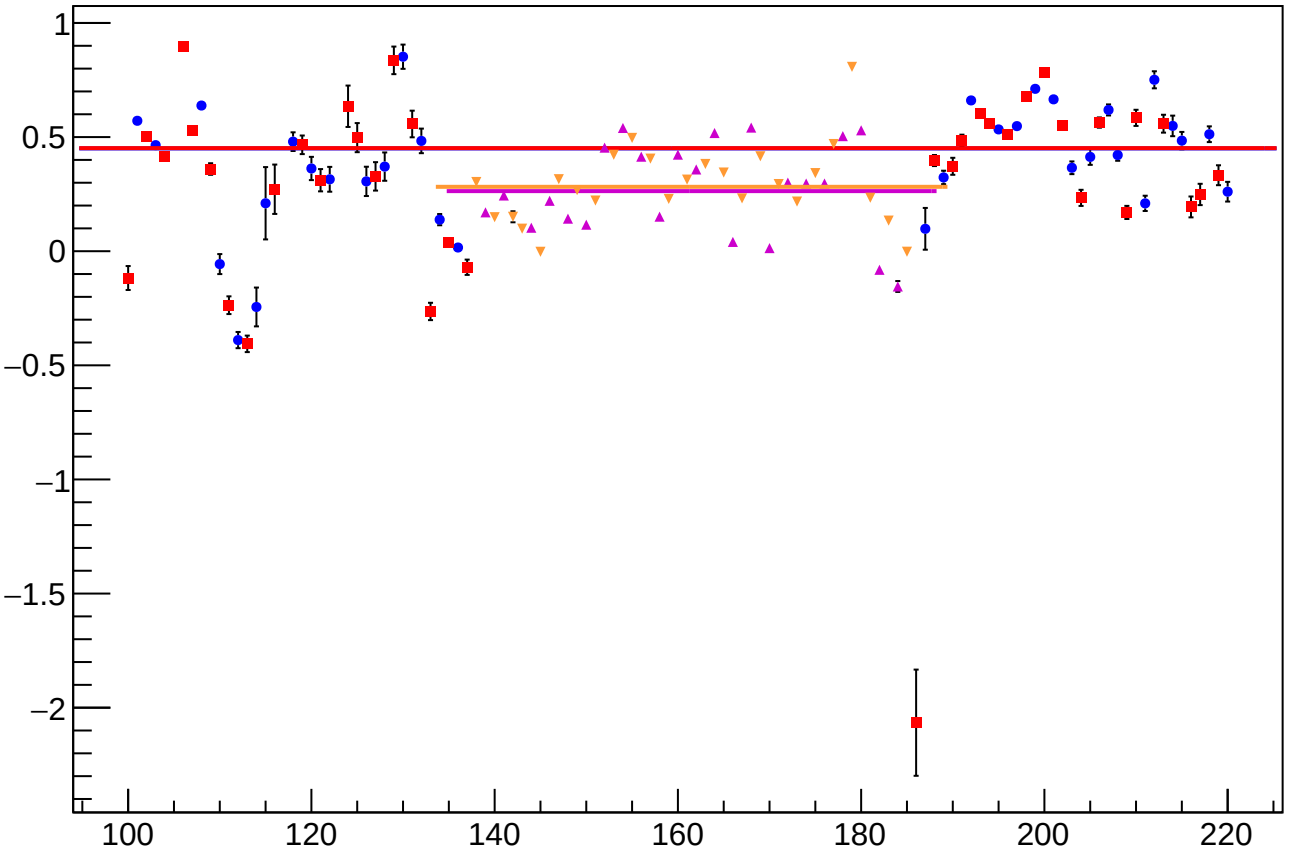
Right Out: -42.493+/-0.103 χ^2/NDF: 45086.8/36

Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -52.281+/-0.056 χ^2/NDF: 61847.5/57

All: -51.810+/-0.040 χ^2/NDF: 123927.7/117

- sign -51.325+/-0.057 χ^2/NDF: 61938.3/59



Right In: 0.450+/-0.005 χ^2/NDF: 2752.3/32

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.452+/-0.004 χ^2/NDF: 3829.3/36

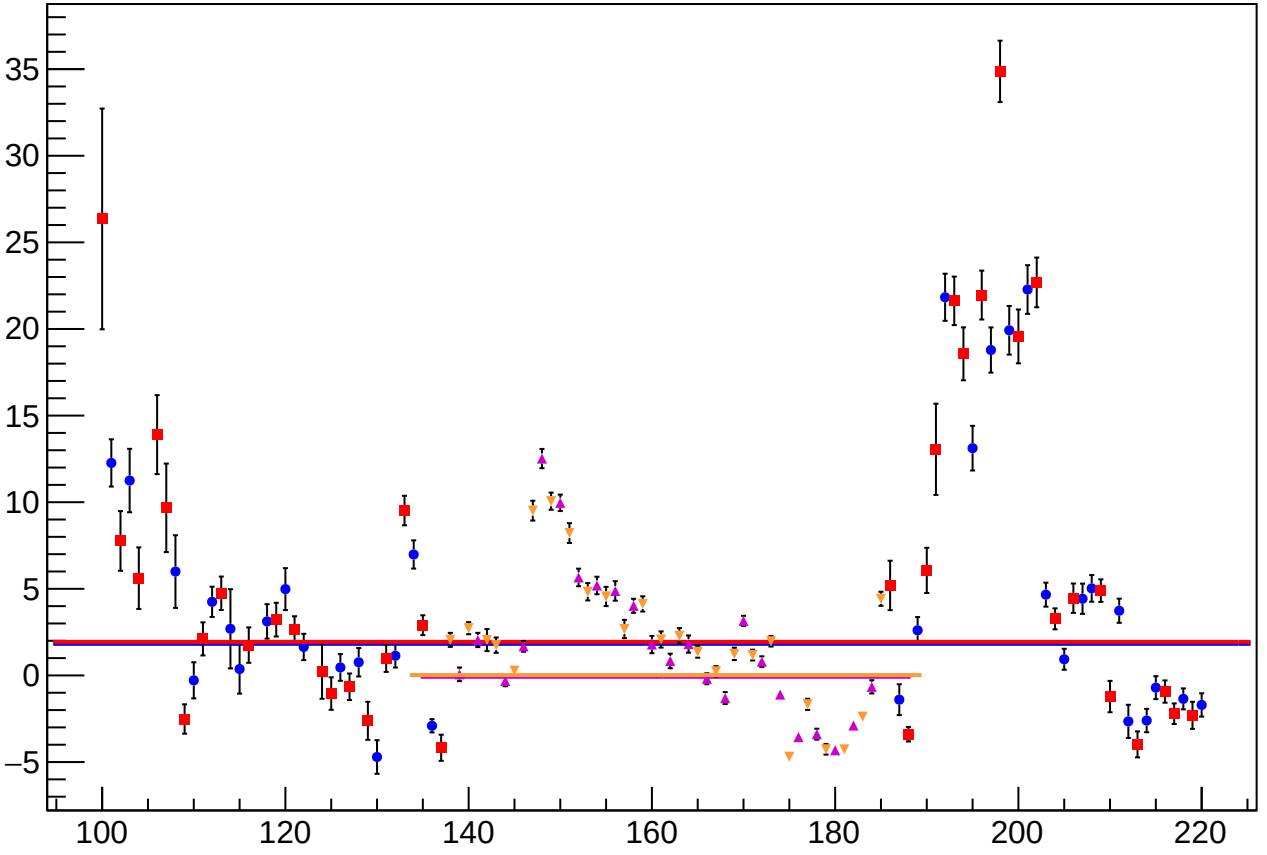
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.333+/-0.002 χ^2/NDF: 6423.3/57

All: 0.329+/-0.002 χ^2/NDF: 15366.2/117

- sign 0.325+/-0.002 χ^2/NDF: 8938.6/59

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 1.824+/-0.144 χ^2/NDF: 1397.6/32

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 1.937+/-0.147 χ^2/NDF: 1897.0/36

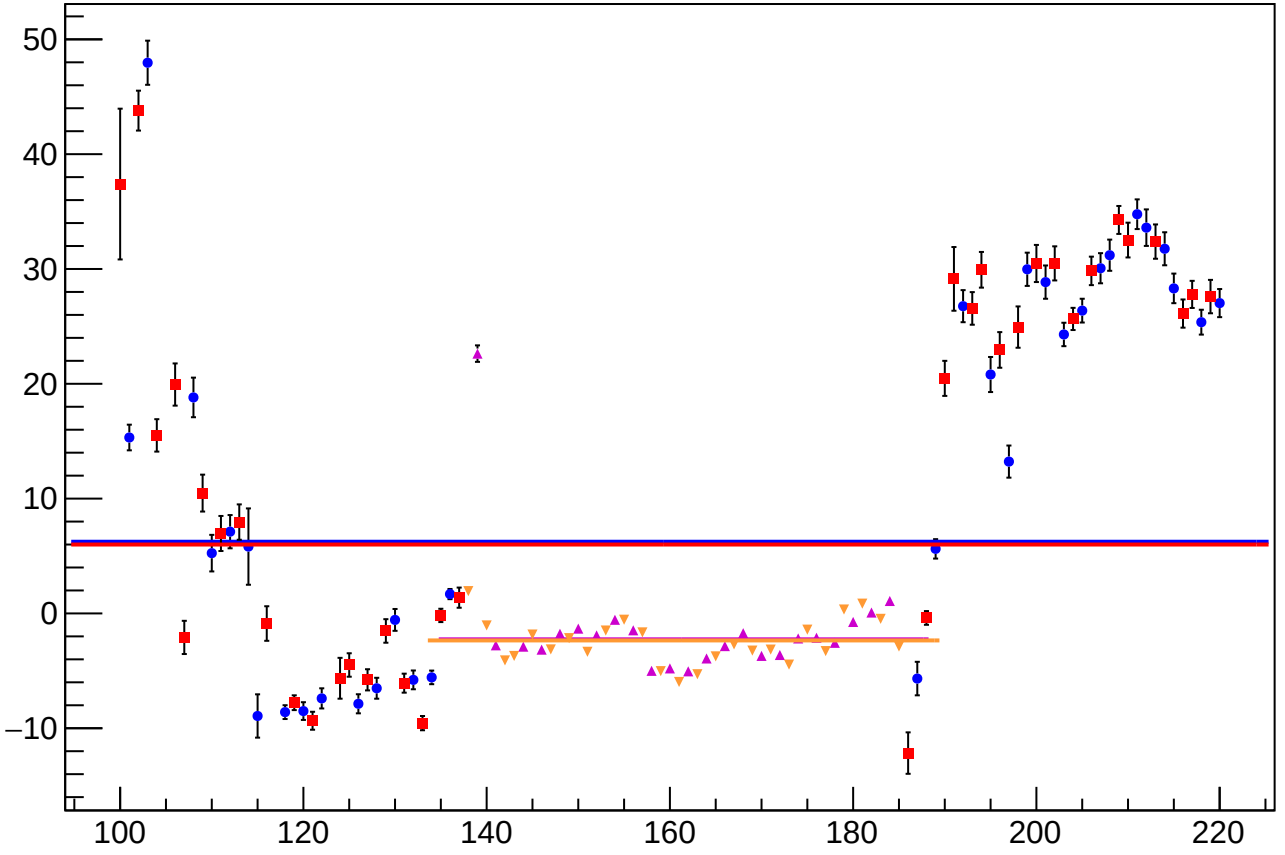
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.355+/-0.062 χ^2/NDF: 4284.8/57

All: 0.327+/-0.044 χ^2/NDF: 8799.2/117

- sign 0.298+/-0.064 χ^2/NDF: 4514.0/59

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 6.243+/-0.176 χ^2/NDF: 7386.9/32

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 6.001+/-0.181 χ^2/NDF: 7175.2/36

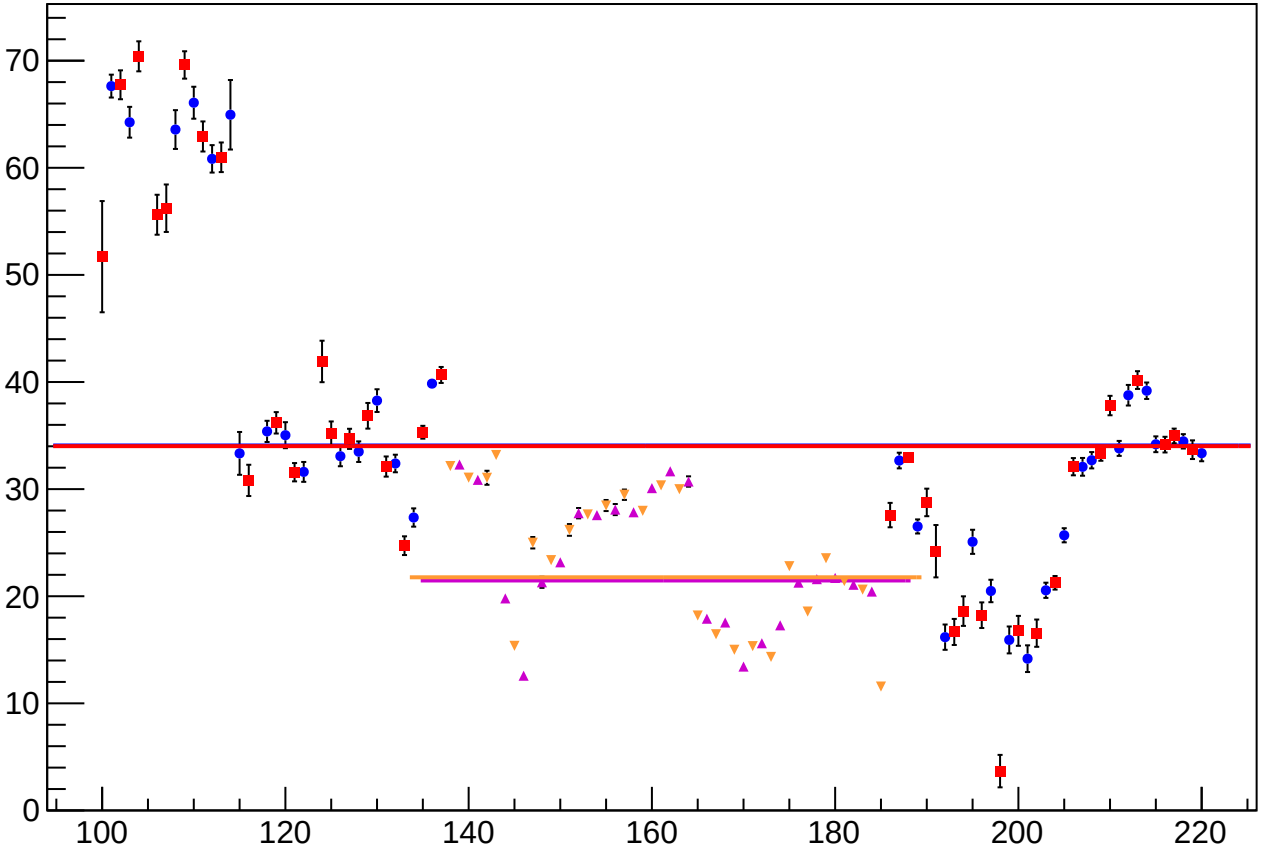
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -1.581+/-0.053 χ^2/NDF: 10695.7/57

All: -1.556+/-0.038 χ^2/NDF: 21636.8/117

- sign -1.530+/-0.054 χ^2/NDF: 10940.6/59

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 34.074+/-0.150 χ^2/NDF: 4661.2/32

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 34.012+/-0.151 χ^2/NDF: 5170.3/36

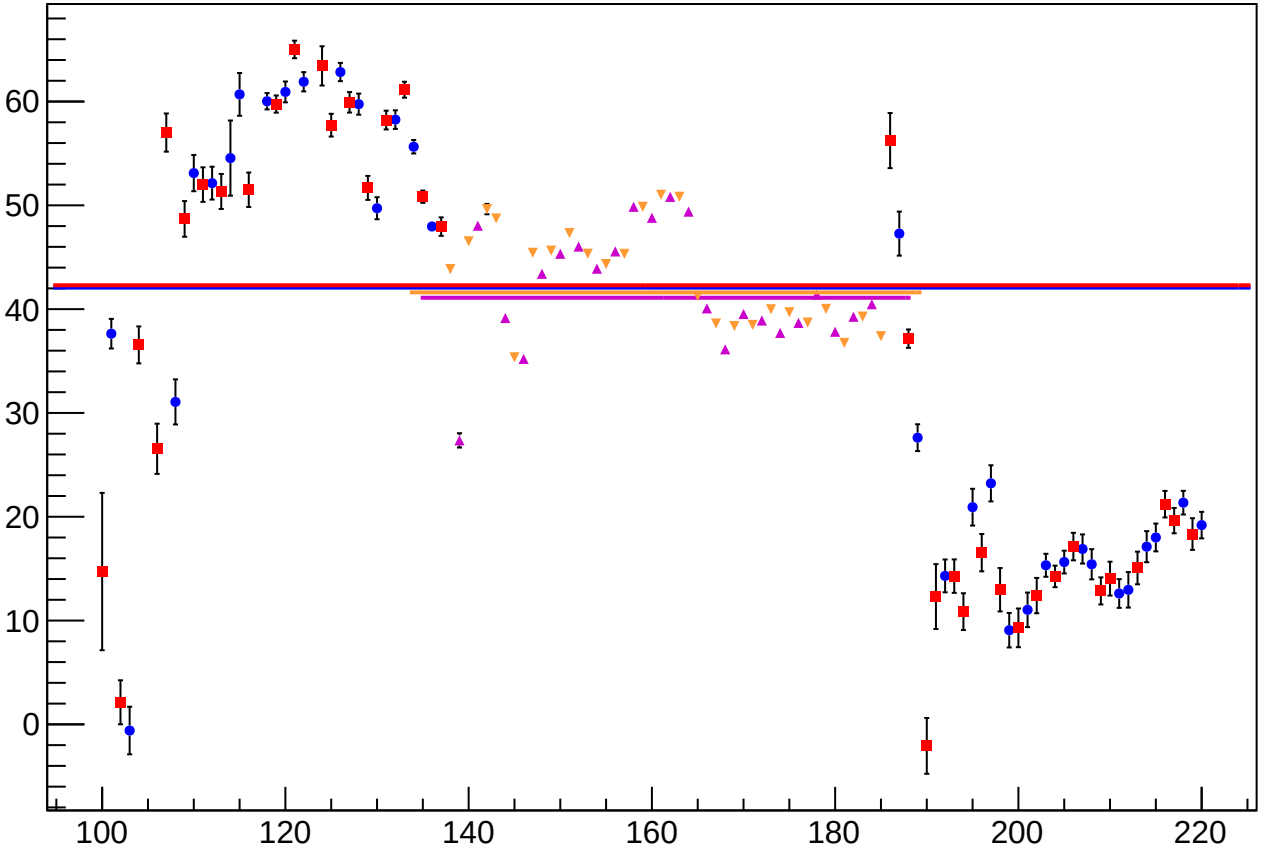
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.918+/-0.063 χ^2/NDF: 17053.9/57

All: 23.825+/-0.045 χ^2/NDF: 33691.3/117

- sign 23.729+/-0.064 χ^2/NDF: 16632.9/59

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 42.076+/-0.196 χ^2/NDF: 8993.0/32

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

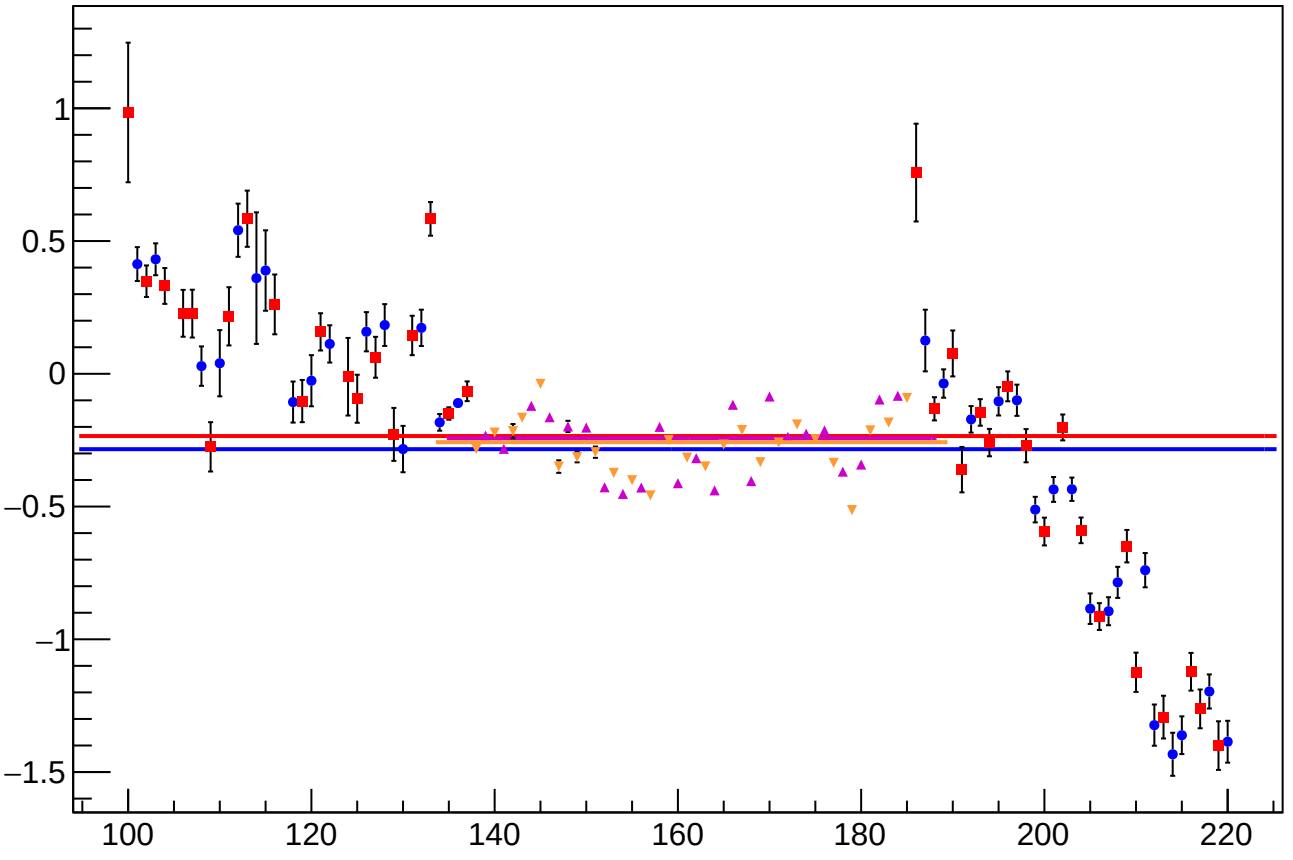
Right Out: 42.299+/-0.207 χ^2/NDF: 8771.5/36

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 41.654+/-0.058 χ^2/NDF: 14774.1/57

All: 41.432+/-0.042 χ^2/NDF: 29084.1/117

- sign 41.199+/-0.060 χ^2/NDF: 14280.4/59



Right In: -0.284+/-0.009 χ^2/NDF: 2118.5/32

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.234+/-0.010 χ^2/NDF: 1845.6/36

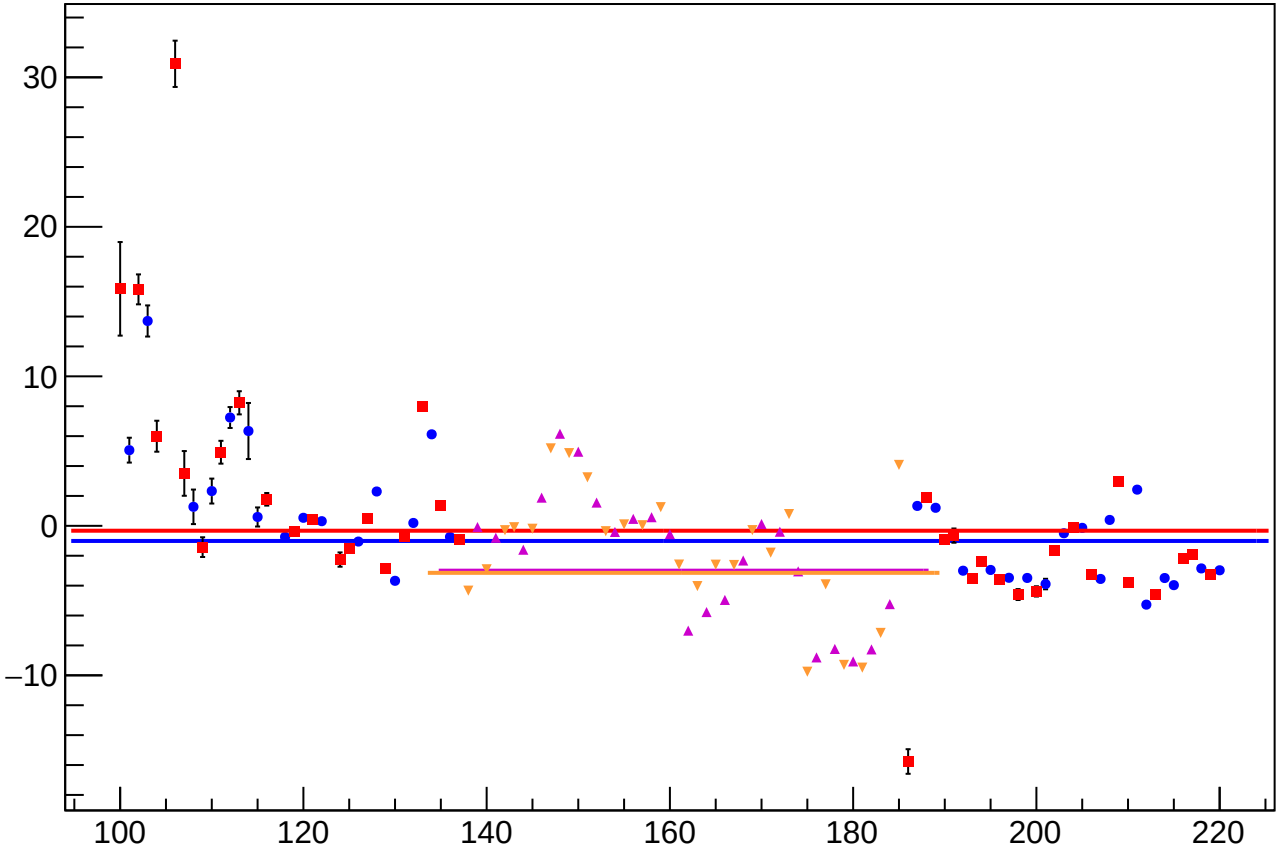
Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.260+/-0.003 χ^2/NDF: 3640.7/57

All: -0.251+/-0.002 χ^2/NDF: 7319.7/117

- sign -0.242+/-0.003 χ^2/NDF: 3658.0/59

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.011+/-0.044 χ^2/NDF: 3398.9/32

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: -0.327+/-0.044 χ^2/NDF: 5932.9/36

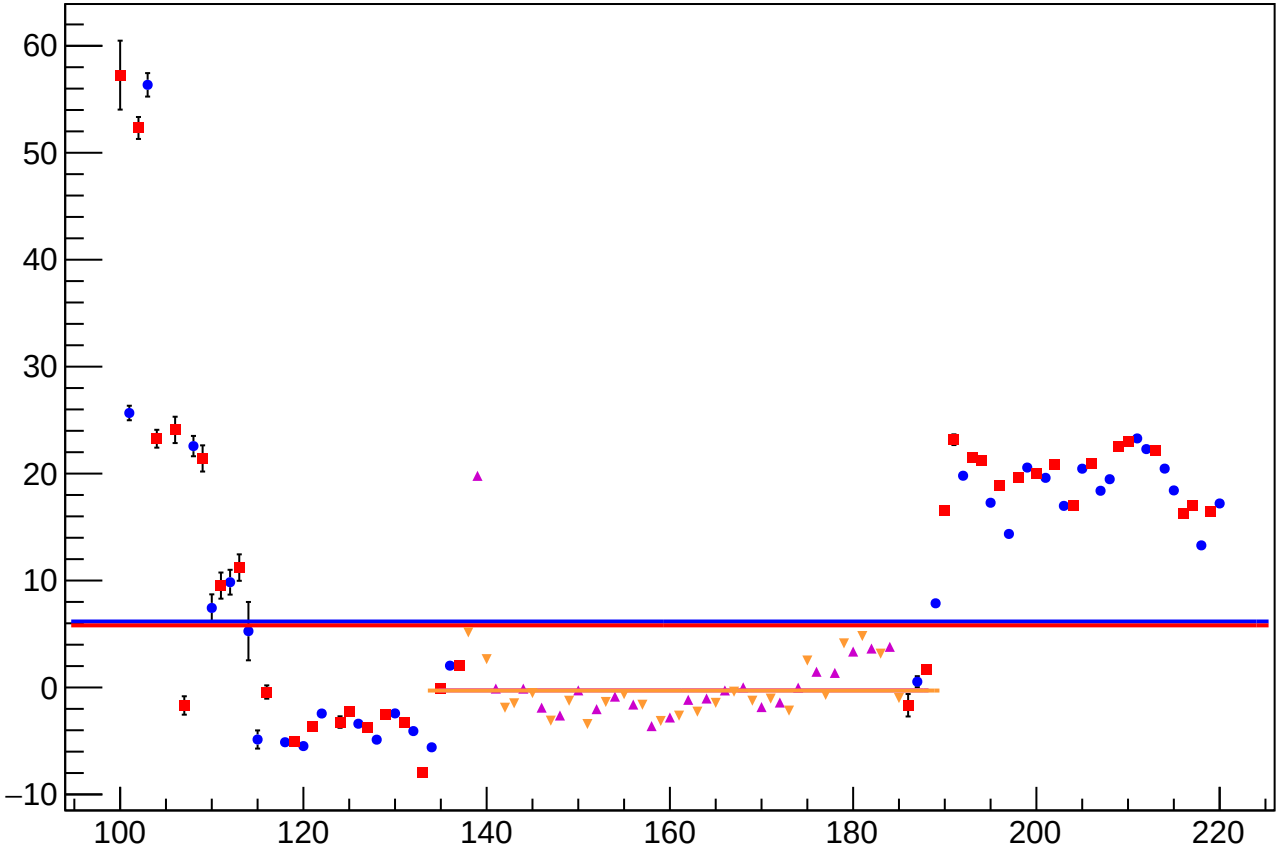
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.531+/-0.023 χ^2/NDF: 30458.3/57

All: -2.368+/-0.017 χ^2/NDF: 61557.9/117

- sign -2.198+/-0.024 χ^2/NDF: 31000.1/59

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 6.169+/-0.053 χ^2/NDF: 45942.0/32

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 5.807+/-0.052 χ^2/NDF: 53764.6/36

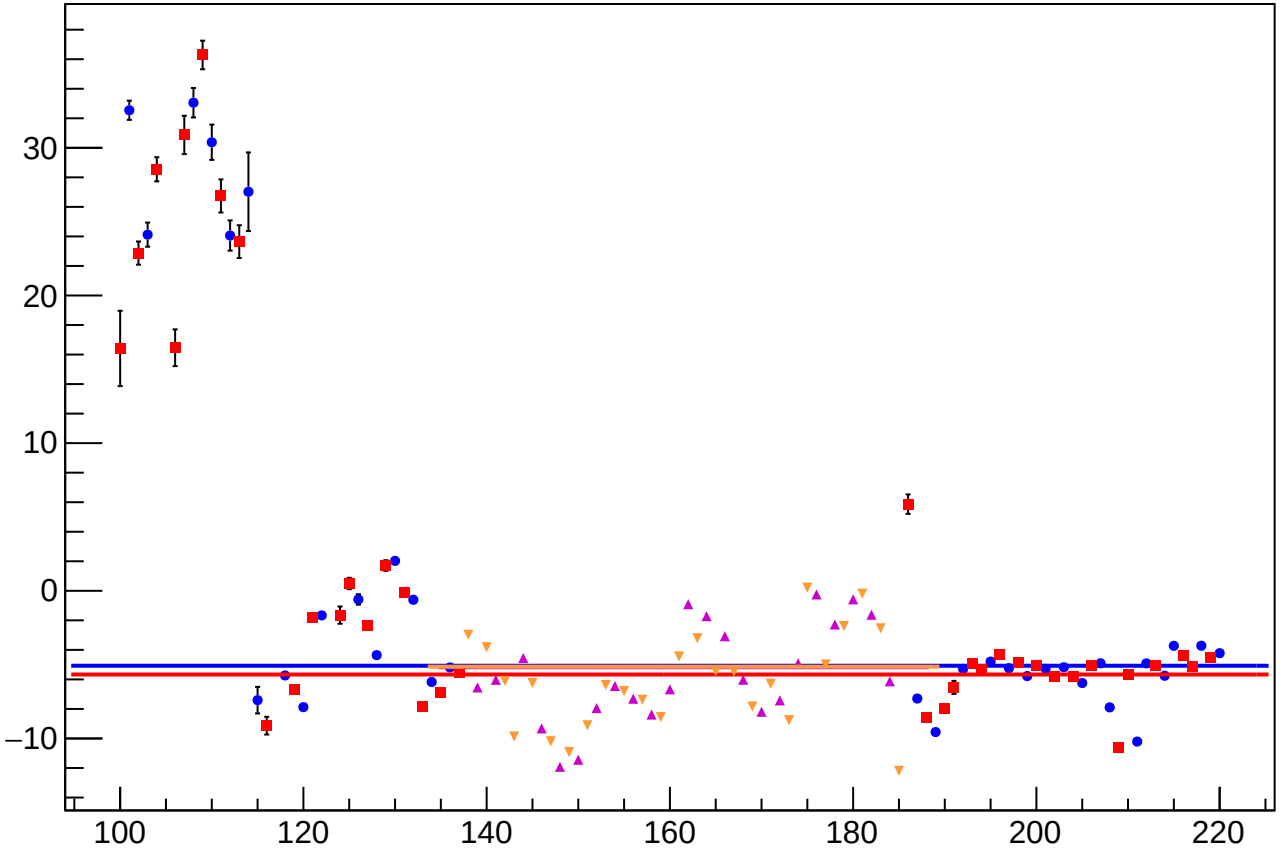
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign 0.656+/-0.020 χ^2/NDF: 70953.7/57

All: 0.669+/-0.014 χ^2/NDF: 149611.1/117

- sign 0.683+/-0.020 χ^2/NDF: 78656.5/59

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -5.075+/-0.044 χ^2/NDF: 10819.2/32

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

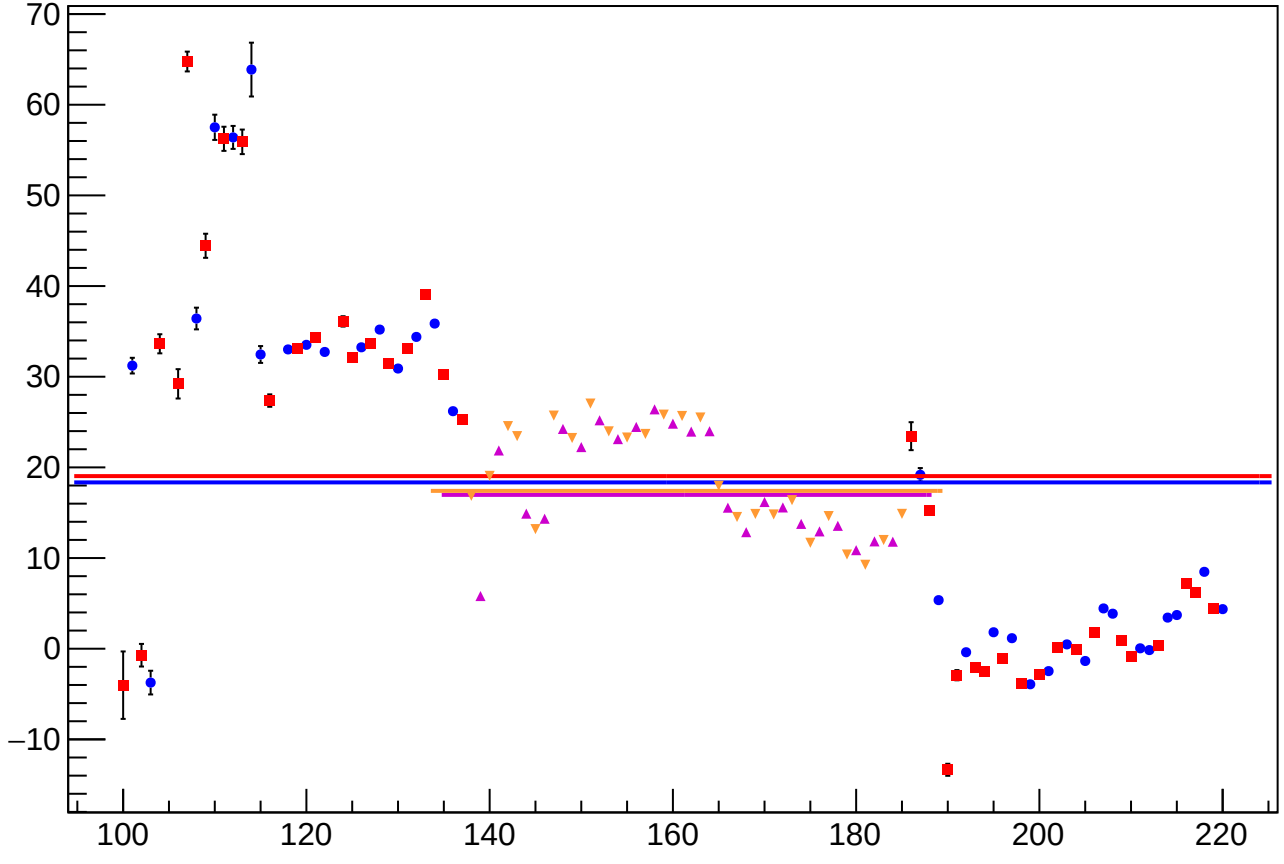
Right Out: -5.667+/-0.043 χ^2/NDF: 11574.2/36

Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -5.120+/-0.024 χ^2/NDF: 25446.7/57

All: -5.222+/-0.017 χ^2/NDF: 51112.7/117

- sign -5.326+/-0.024 χ^2/NDF: 25628.2/59



Right In: 18.343+/-0.060 χ^2/NDF: 67197.8/32

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 19.038+/-0.060 χ^2/NDF: 79896.0/36

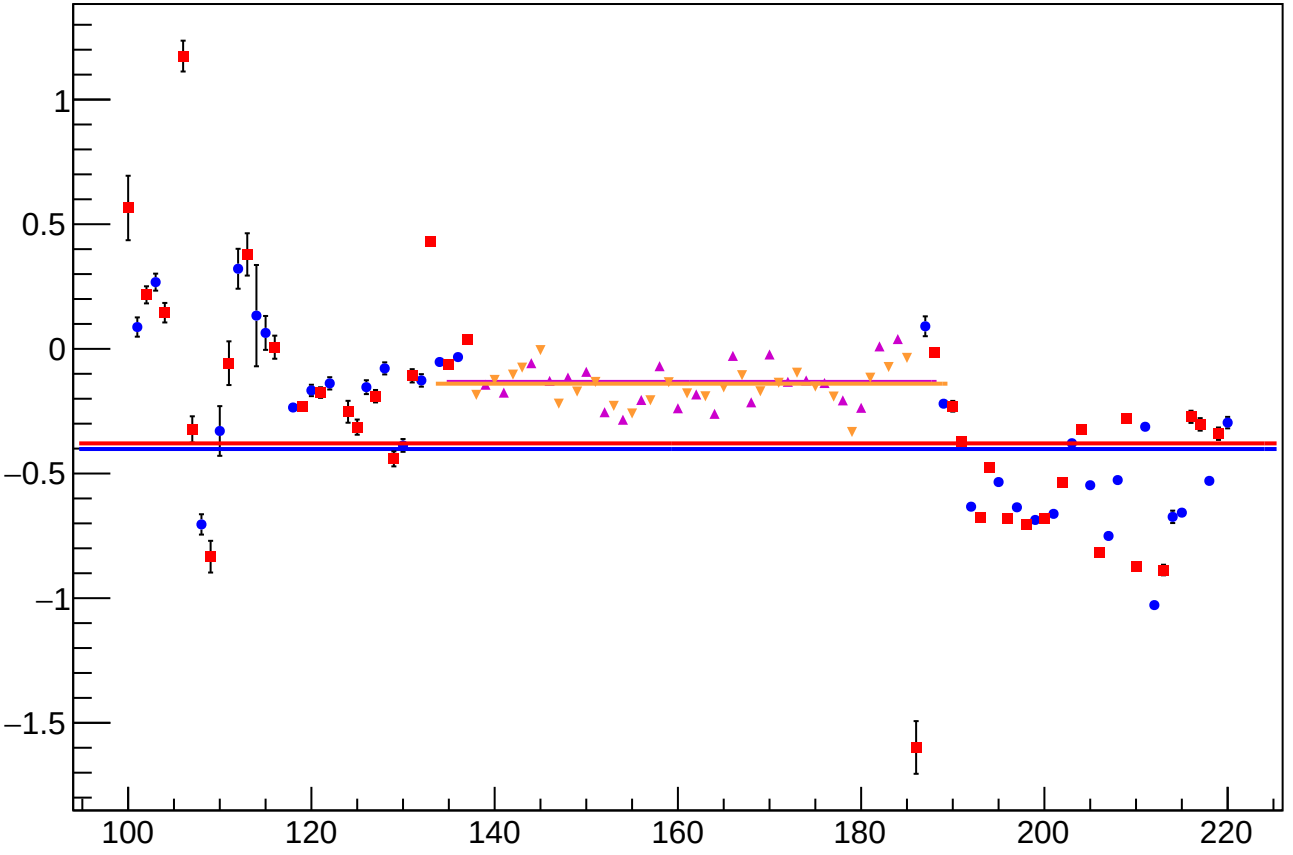
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 17.542+/-0.023 χ^2/NDF: 118036.9/57

All: 17.411+/-0.016 χ^2/NDF: 238960.9/117

- sign 17.275+/-0.023 χ^2/NDF: 120855.9/59

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.402+/-0.003 χ^2/NDF: 9928.9/32

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.379+/-0.003 χ^2/NDF: 14201.1/36

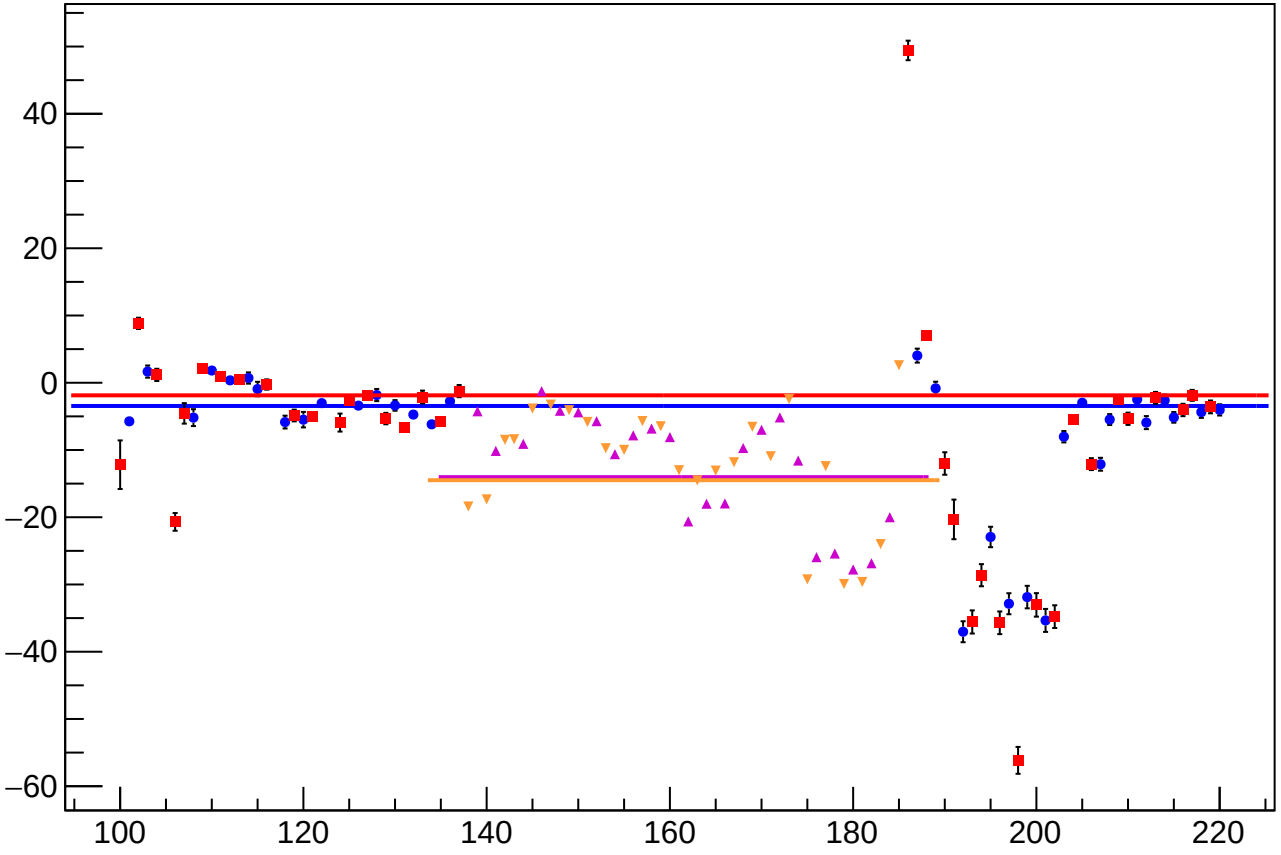
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.174+/-0.001 χ^2/NDF: 21670.4/57

All: -0.171+/-0.001 χ^2/NDF: 48301.8/117

- sign -0.167+/-0.001 χ^2/NDF: 26605.0/59

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -3.452+/-0.130 χ^2/NDF: 2222.4/32

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.873+/-0.125 χ^2/NDF: 5058.9/36

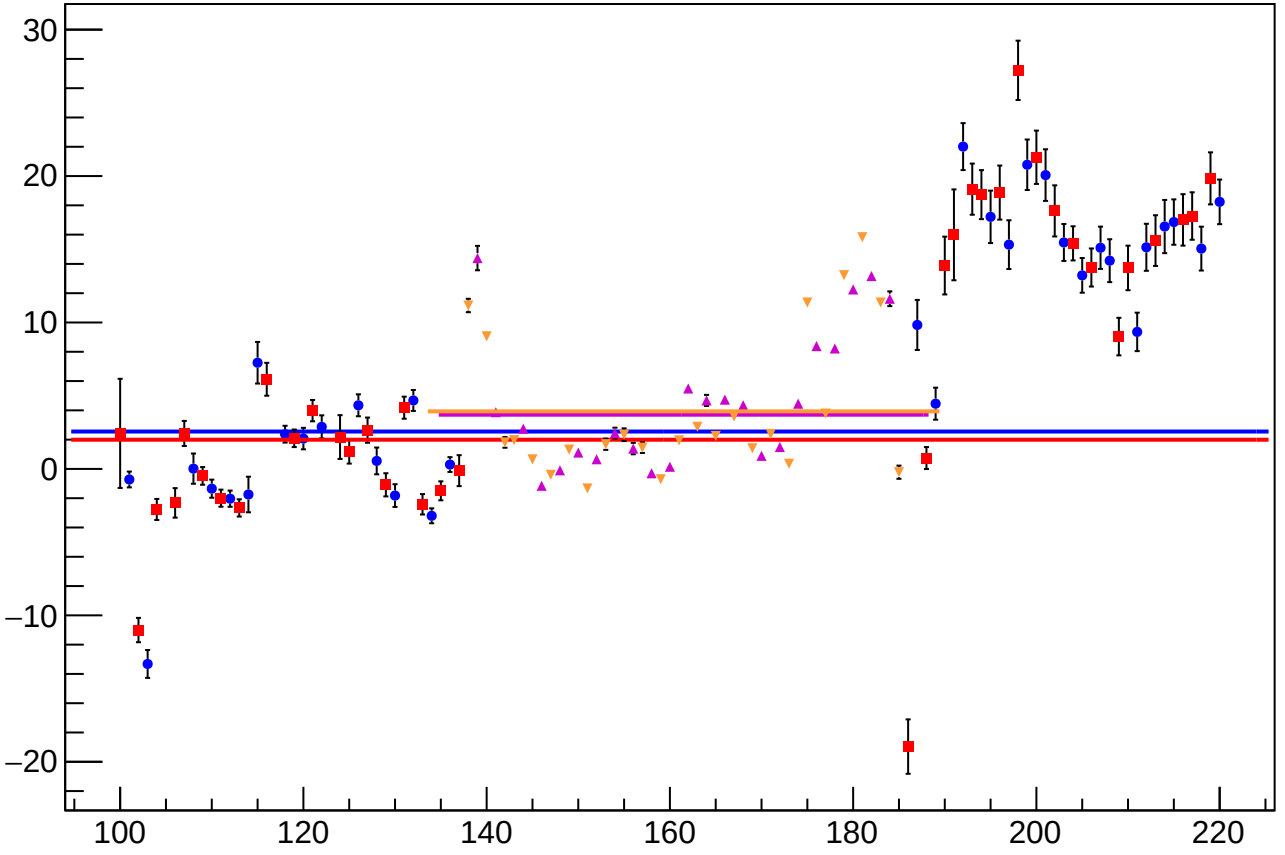
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -11.747+/-0.065 χ^2/NDF: 24881.1/57

All: -11.241+/-0.046 χ^2/NDF: 50381.7/117

- sign -10.723+/-0.066 χ^2/NDF: 25376.9/59

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.553+/-0.156 χ^2/NDF: 1889.4/32

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.993+/-0.158 χ^2/NDF: 1993.7/36

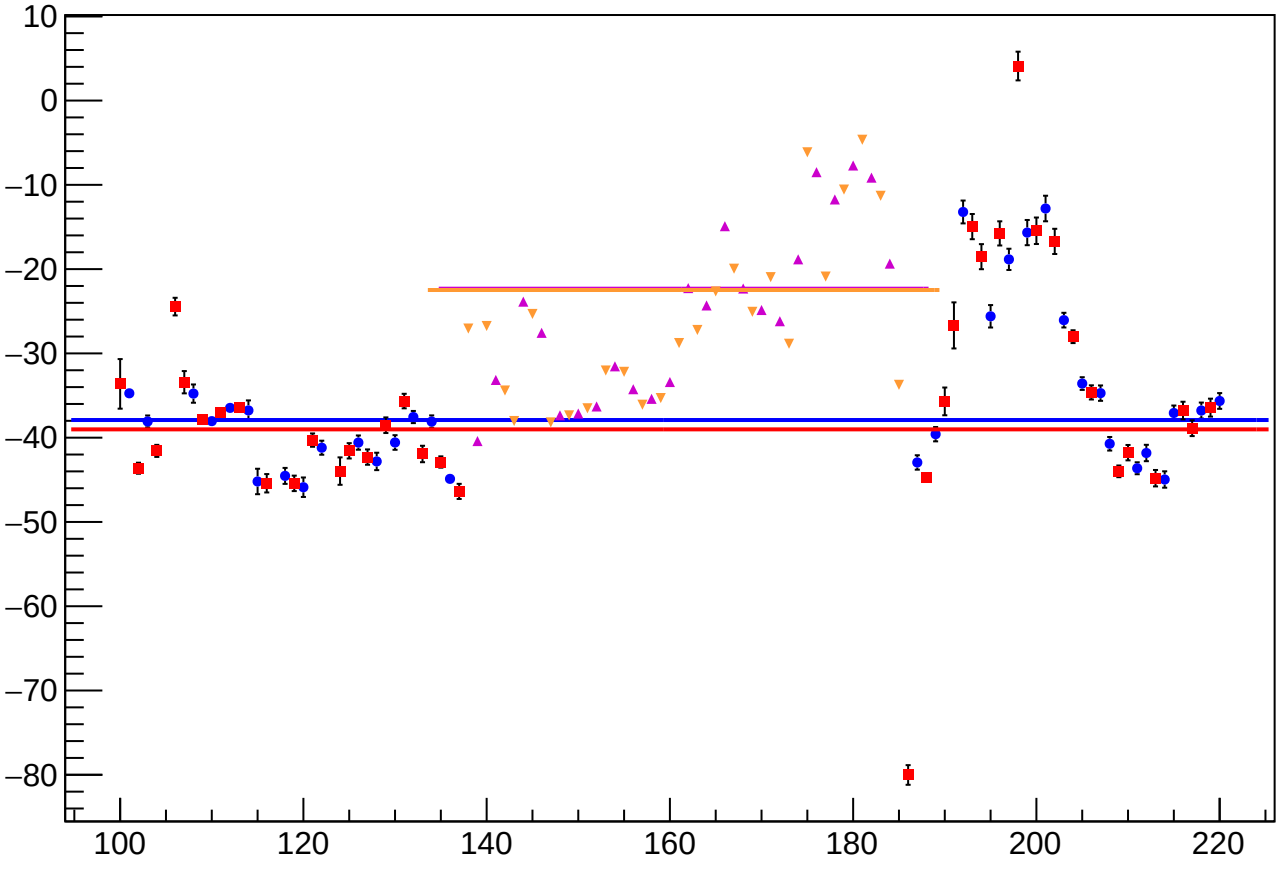
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.765+/-0.054 χ^2/NDF: 8937.4/57

All: 3.632+/-0.039 χ^2/NDF: 15833.9/117

- sign 3.493+/-0.056 χ^2/NDF: 6884.3/59

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -37.904+/-0.142 χ^2/NDF: 2049.4/32

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -39.015+/-0.141 χ^2/NDF: 4145.8/36

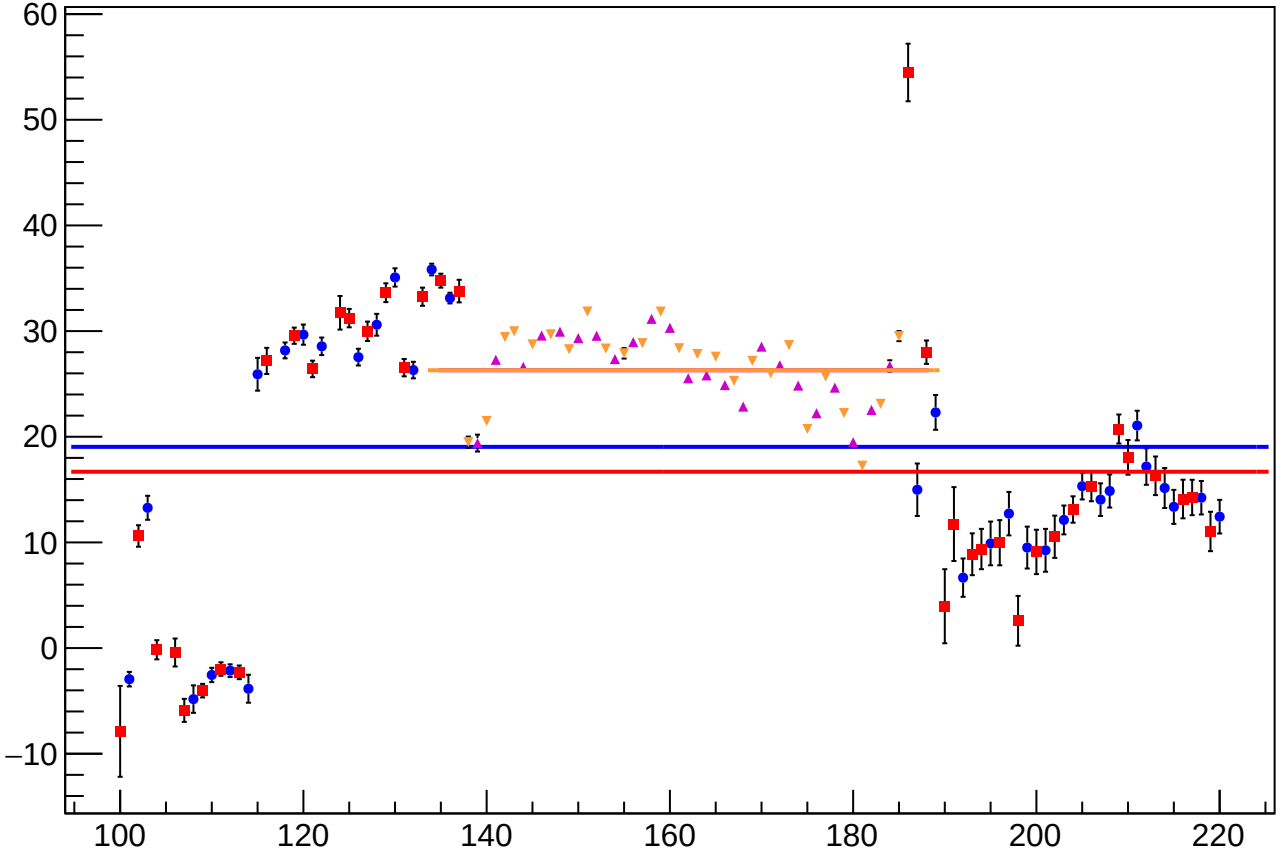
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

\+ sign -25.828+/-0.066 χ^2/NDF: 31707.5/57

All: -25.970+/-0.047 χ^2/NDF: 63801.4/117

\- sign -26.118+/-0.067 χ^2/NDF: 32084.5/59

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.043+/-0.175 χ^2/NDF: 6943.2/32

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.689+/-0.180 χ^2/NDF: 7181.6/36

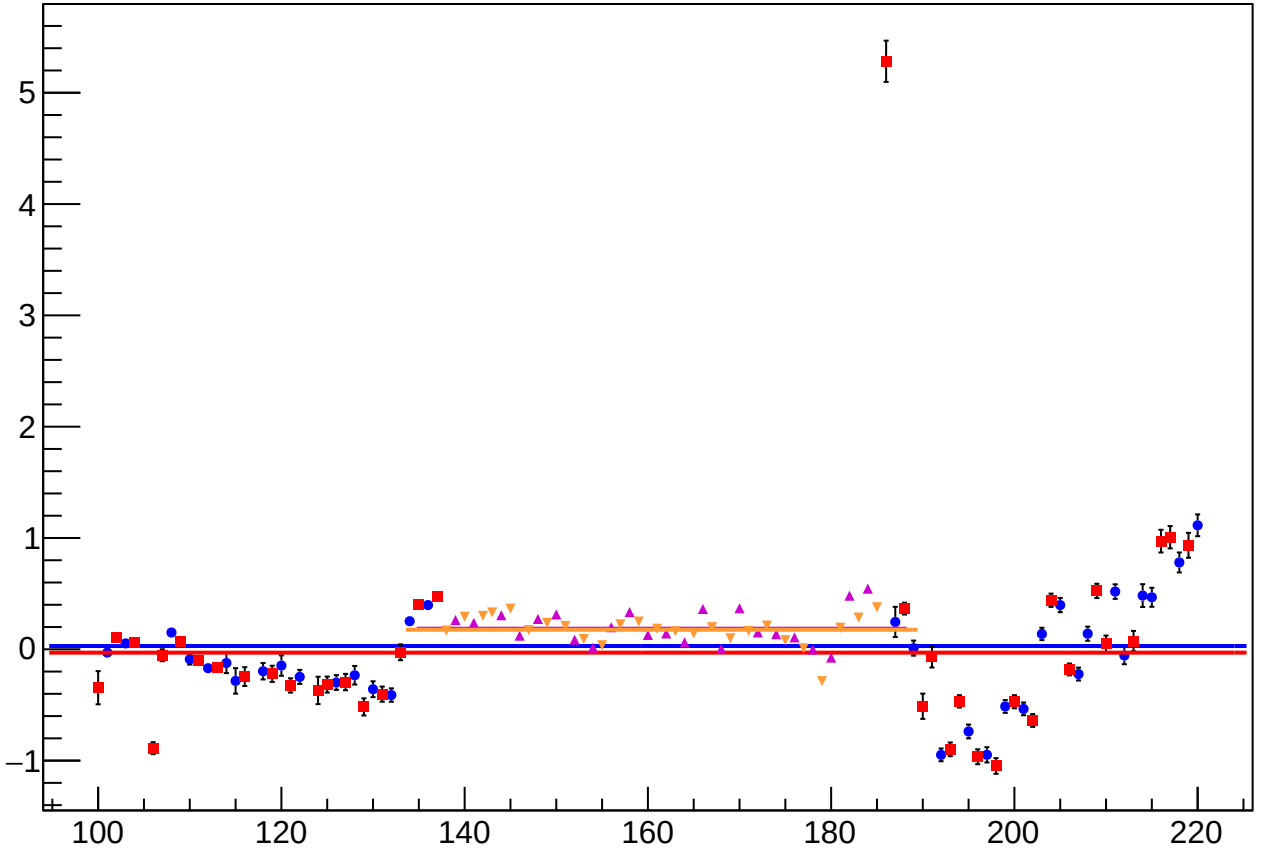
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.419+/-0.061 χ^2/NDF: 11752.7/57

All: 25.280+/-0.044 χ^2/NDF: 23636.4/117

- sign 25.134+/-0.062 χ^2/NDF: 11873.1/59

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: 0.030+/-0.009 χ^2/NDF: 1786.7/32

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

Right Out: -0.030+/-0.009 χ^2/NDF: 3000.7/36

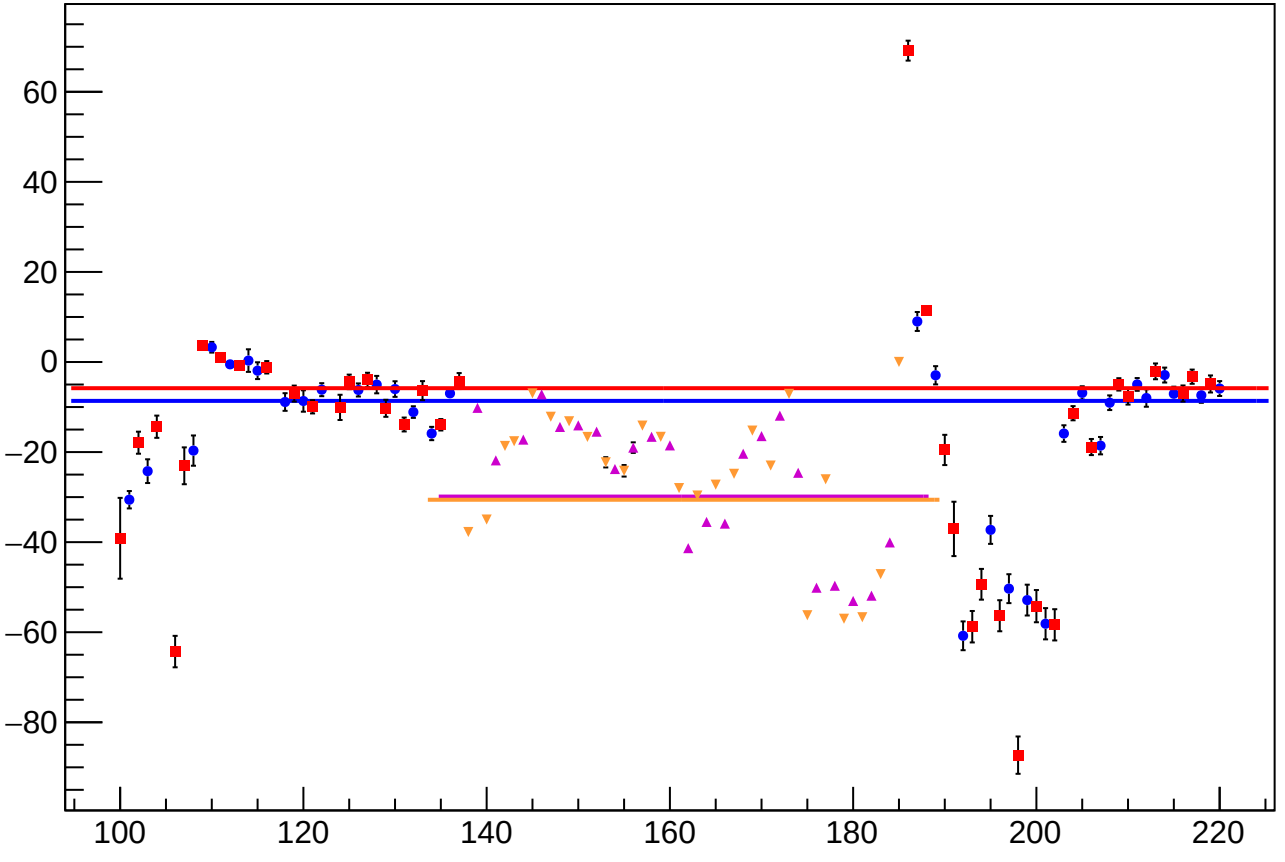
Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.161+/-0.003 χ^2/NDF: 3969.6/57

All: 0.163+/-0.002 χ^2/NDF: 10006.3/117

- sign 0.165+/-0.003 χ^2/NDF: 6035.9/59

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -8.633+/-0.293 χ^2/NDF: 1447.6/32

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -5.813+/-0.291 χ^2/NDF: 3515.6/36

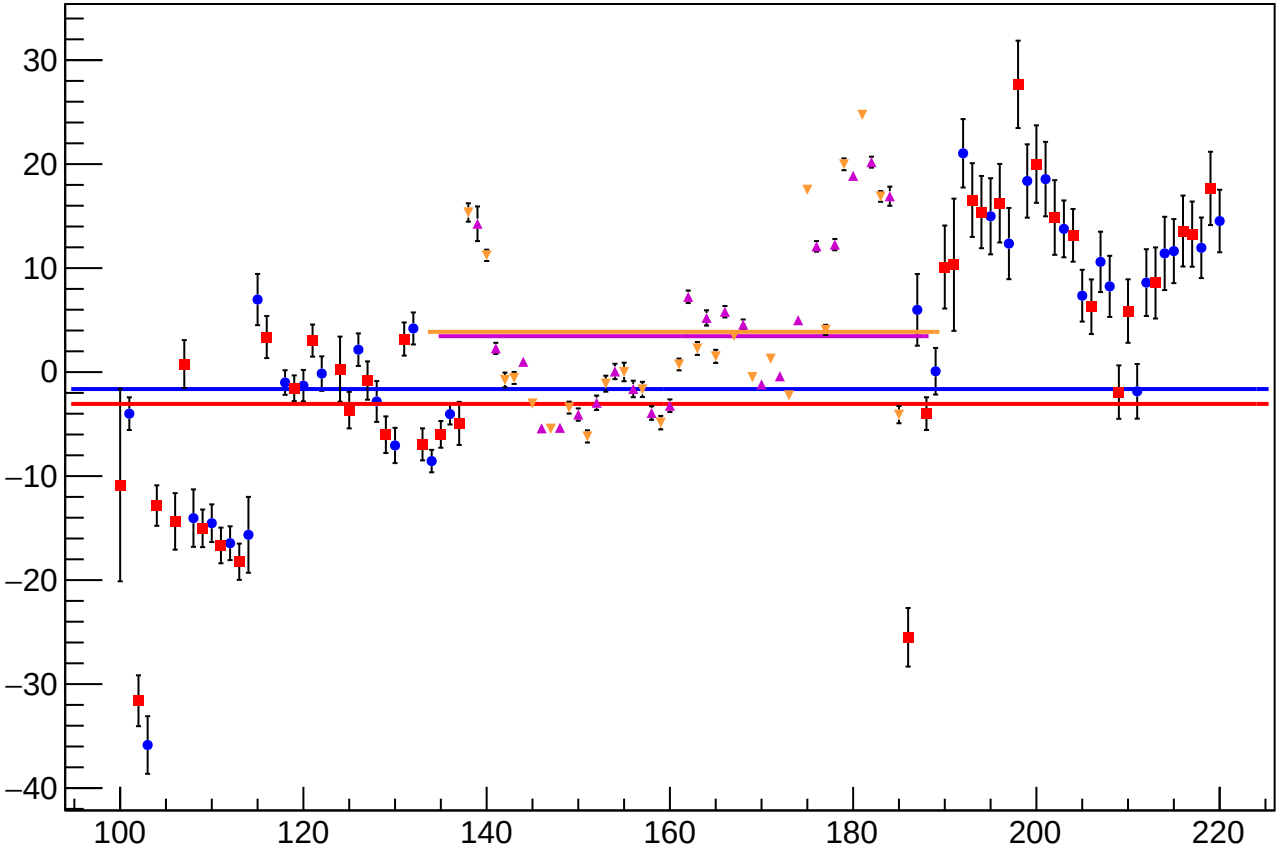
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -26.396+/-0.128 χ^2/NDF: 22048.4/57

All: -25.727+/-0.091 χ^2/NDF: 43114.5/117

- sign -25.027+/-0.131 χ^2/NDF: 21010.1/59

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -1.630+/-0.348 χ^2/NDF: 735.7/32

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -3.059+/-0.360 χ^2/NDF: 865.1/36

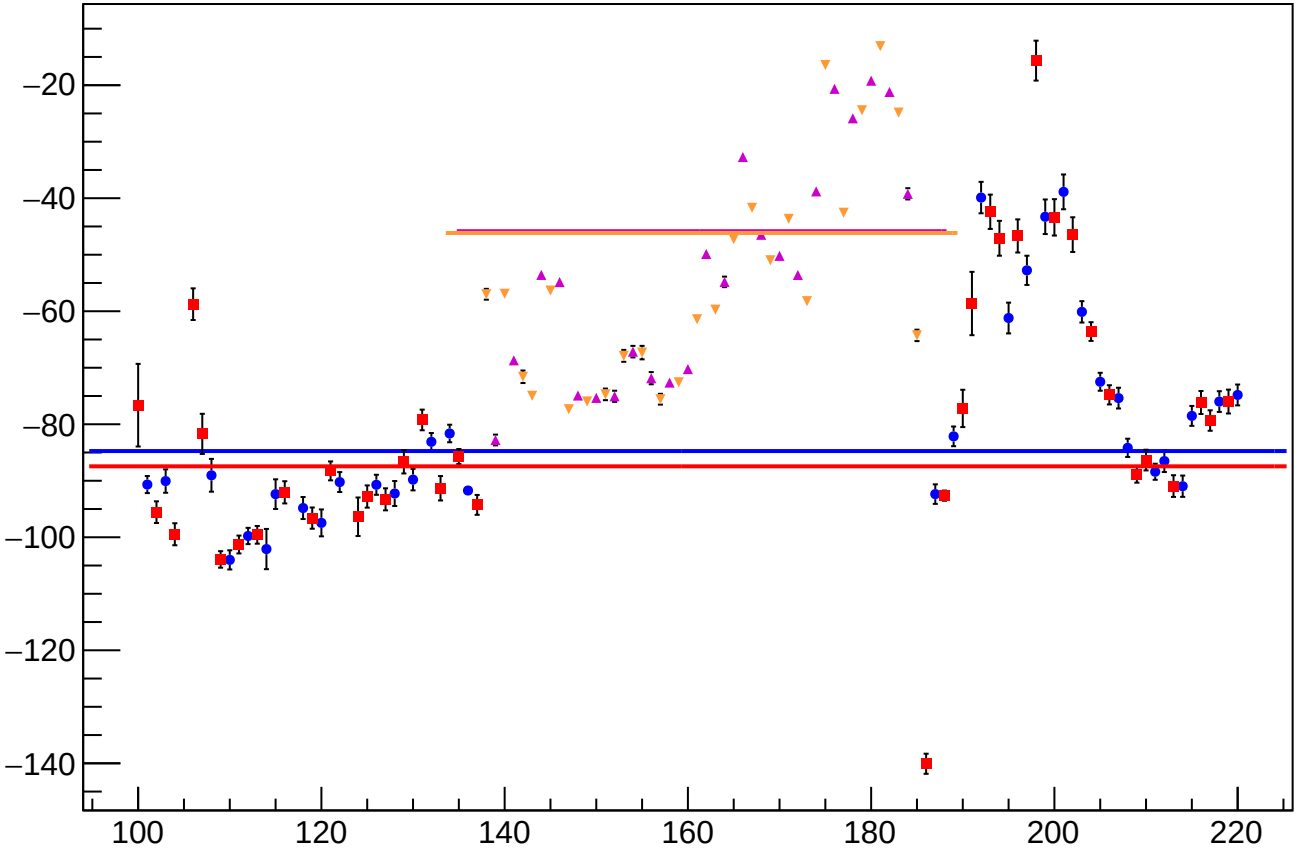
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.362+/-0.106 χ^2/NDF: 7505.1/57

All: 3.117+/-0.076 χ^2/NDF: 13373.0/117

- sign 2.861+/-0.108 χ^2/NDF: 5856.9/59

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -84.744+/-0.314 χ^2/NDF: 1711.2/32

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -87.445+/-0.316 χ^2/NDF: 3179.6/36

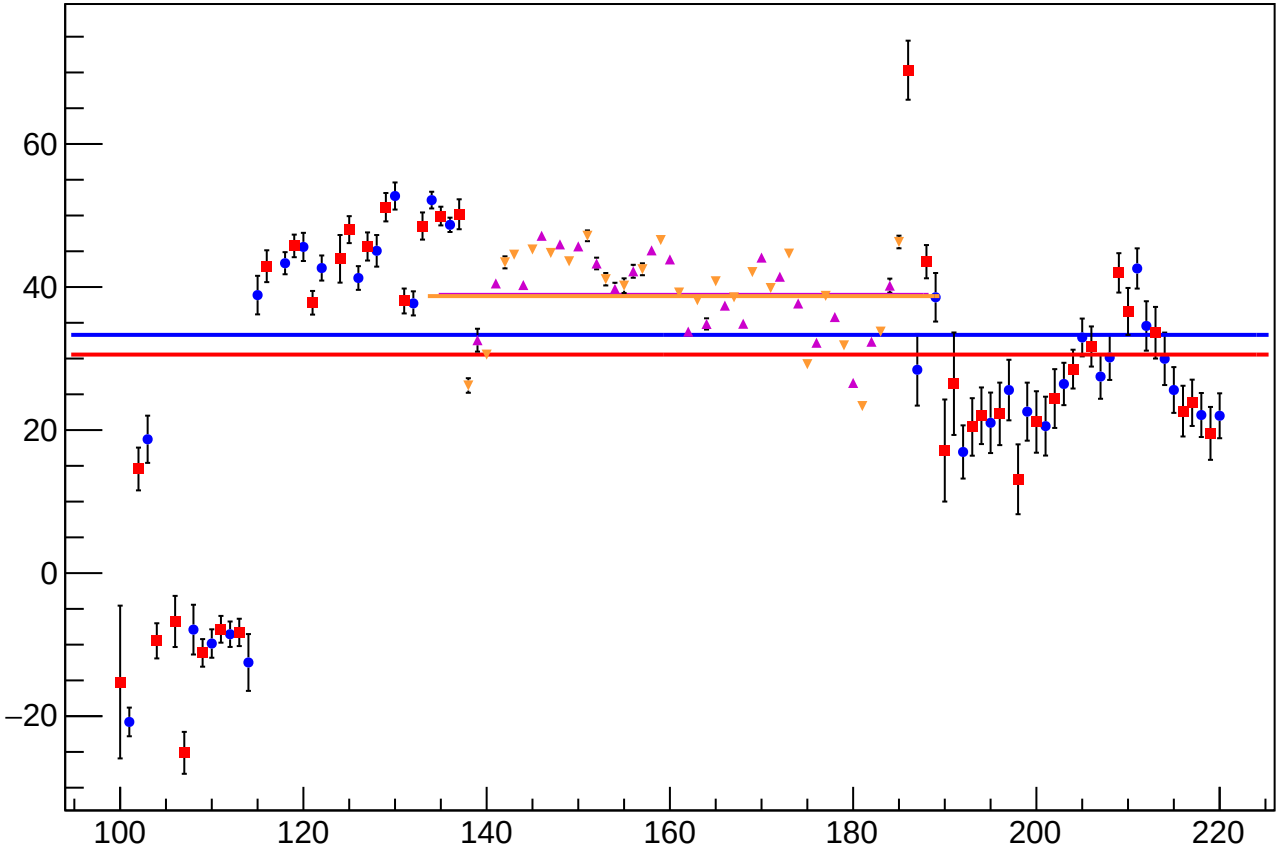
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -52.746+/-0.130 χ^2/NDF: 35711.9/57

All: -52.954+/-0.093 χ^2/NDF: 71145.3/117

- sign -53.172+/-0.133 χ^2/NDF: 35428.1/59

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.312+/-0.389 χ^2/NDF: 2924.3/32

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.556+/-0.408 χ^2/NDF: 3114.0/36

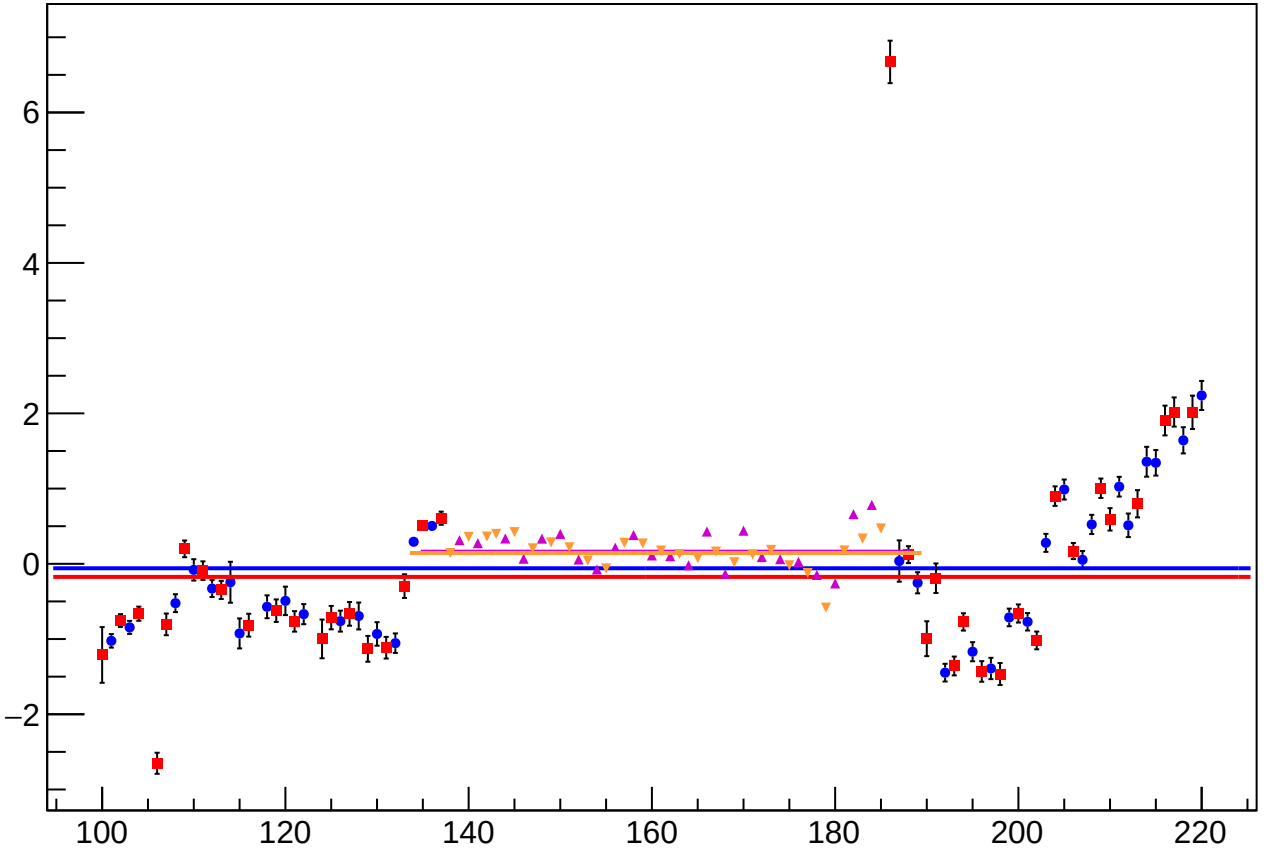
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.227+/-0.119 χ^2/NDF: 5881.9/57

All: 38.195+/-0.085 χ^2/NDF: 11349.4/117

- sign 38.162+/-0.122 χ^2/NDF: 5467.3/59

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.059+/-0.020 χ^2/NDF: 1538.2/32

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

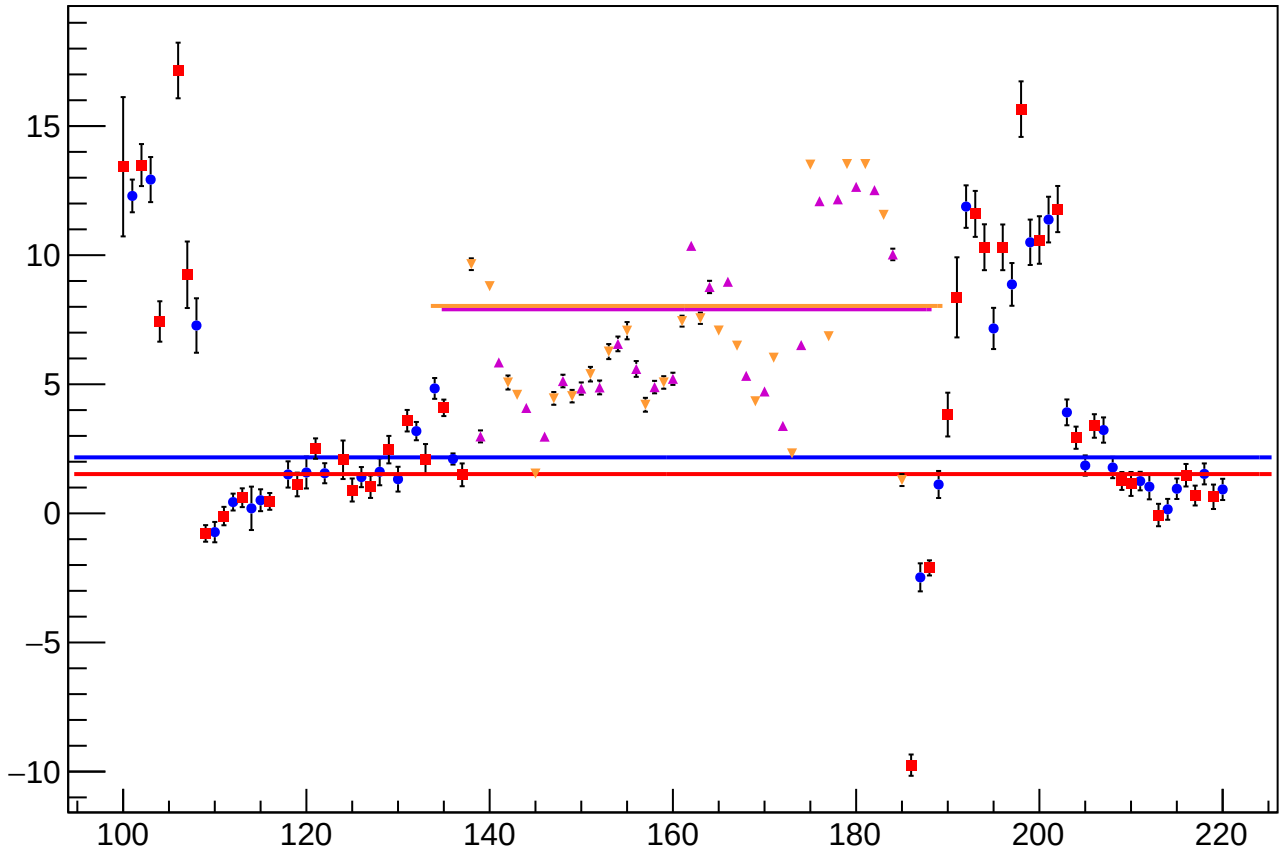
Right Out: -0.174+/-0.021 χ^2/NDF: 2341.6/36

Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.128+/-0.005 χ^2/NDF: 3080.4/57

All: 0.133+/-0.004 χ^2/NDF: 7584.1/117

- sign 0.138+/-0.005 χ^2/NDF: 4502.2/59



Right In: 2.169+/-0.079 χ^2/NDF: 1194.8/32

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

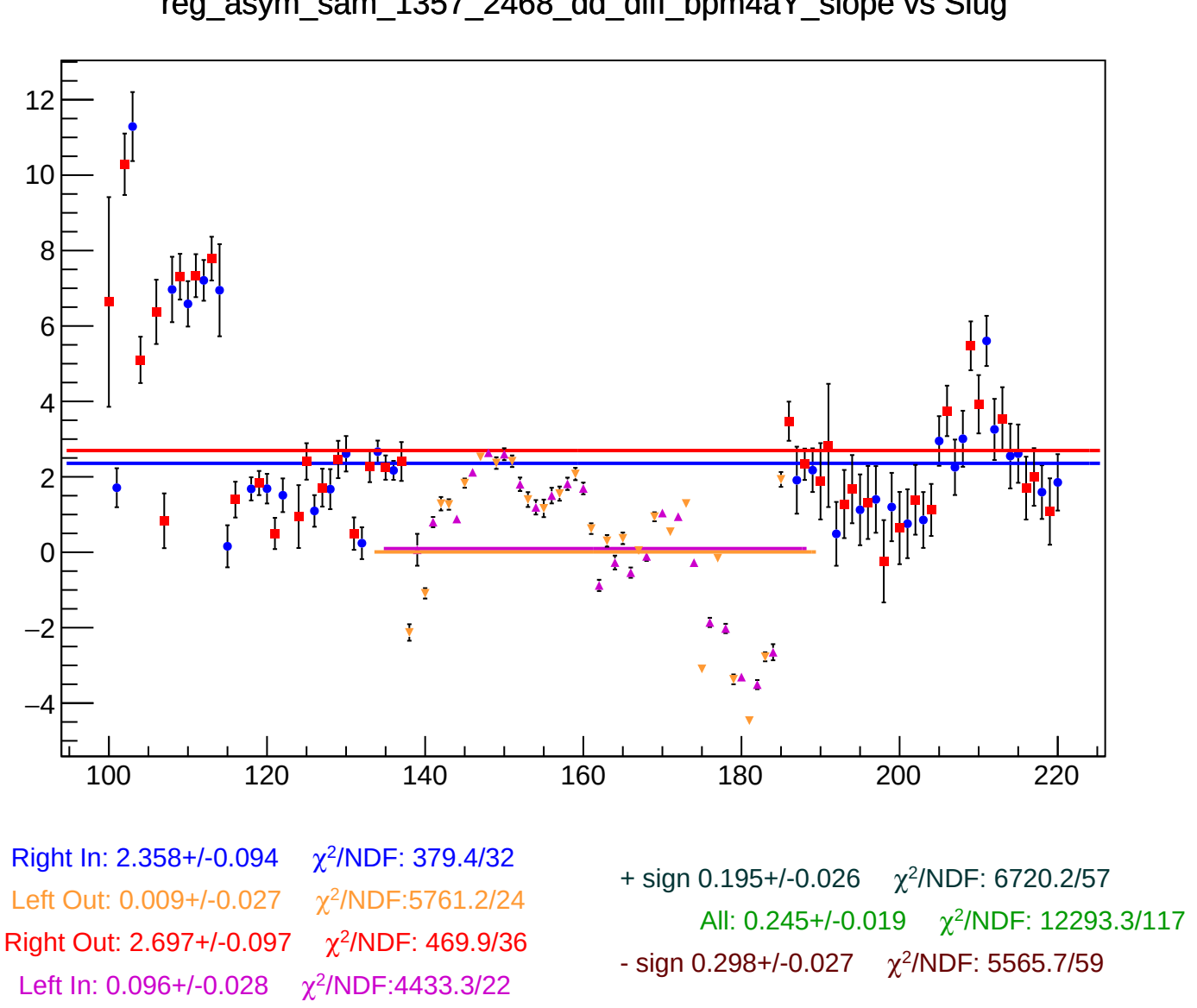
Right Out: 1.522+/-0.079 χ^2/NDF: 2435.7/36

Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

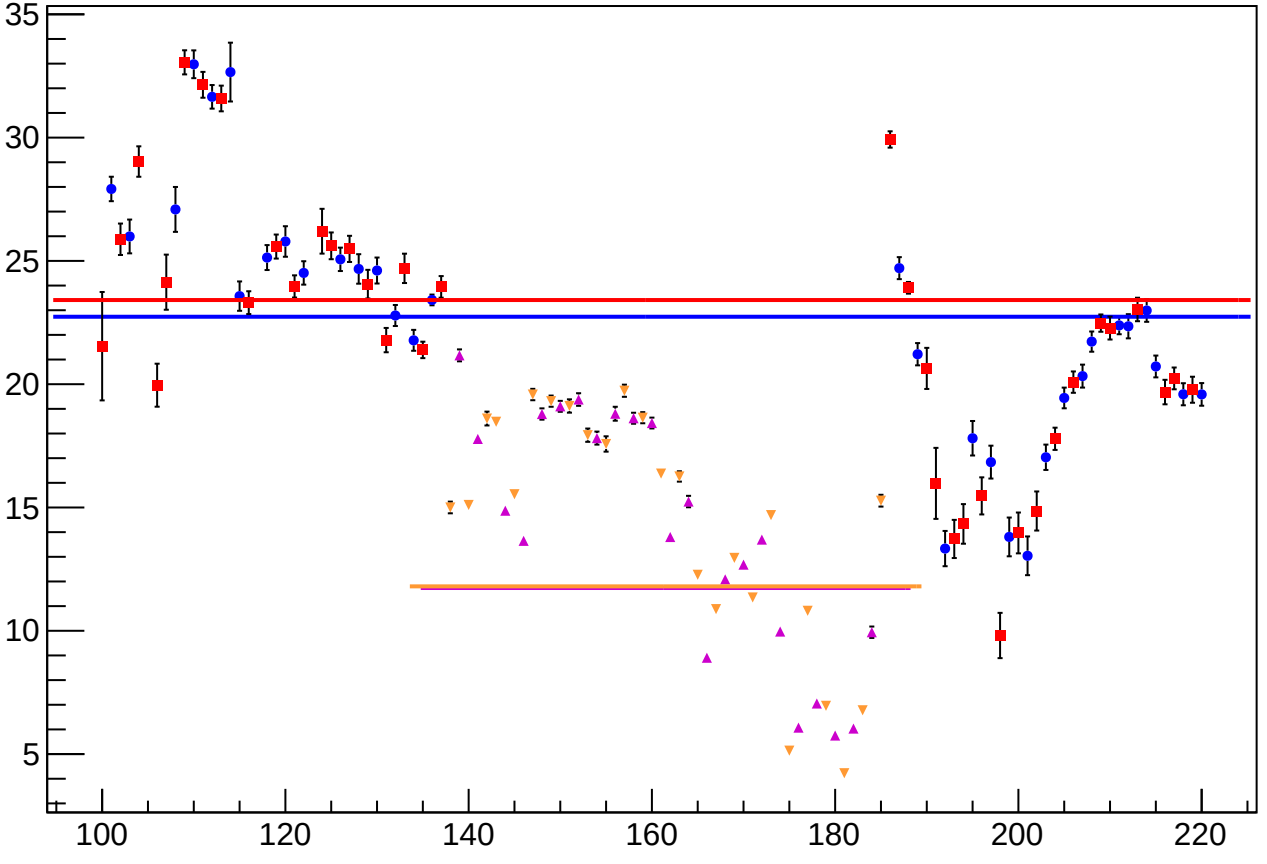
+ sign 7.076+/-0.032 χ^2/NDF: 19776.4/57

All: 6.946+/-0.023 χ^2/NDF: 37708.1/117

- sign 6.809+/-0.033 χ^2/NDF: 17897.3/59


reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug
12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
200
220
Right In: 2.358+/-0.094 χ²/NDF: 379.4/32
Left Out: 0.009+/-0.027 χ²/NDF:5761.2/24
Right Out: 2.697+/-0.097 χ²/NDF: 469.9/36
Left In: 0.096+/-0.028 χ²/NDF:4433.3/22
+ sign 0.195+/-0.026 χ²/NDF: 6720.2/57
All: 0.245+/-0.019 χ²/NDF: 12293.3/117
- sign 0.298+/-0.027 χ²/NDF: 5565.7/59

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 22.736+/-0.084 χ^2/NDF: 1975.5/32

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

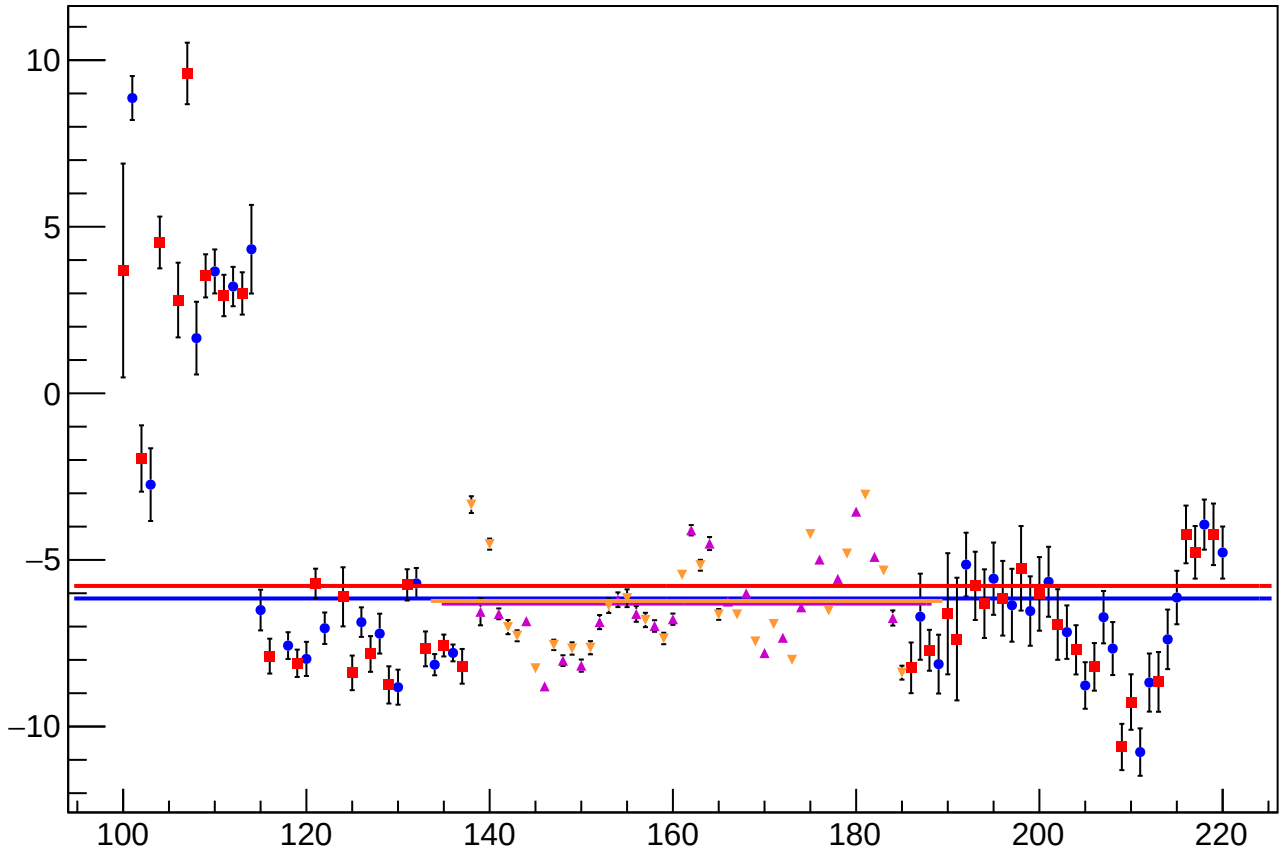
Right Out: 23.413+/-0.084 χ^2/NDF: 2819.8/36

Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.423+/-0.032 χ^2/NDF: 38049.2/57

All: 13.484+/-0.023 χ^2/NDF: 75389.5/117

- sign 13.548+/-0.033 χ^2/NDF: 37332.9/59



Right In: -6.157+/-0.105 χ^2/NDF: 1347.5/32

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

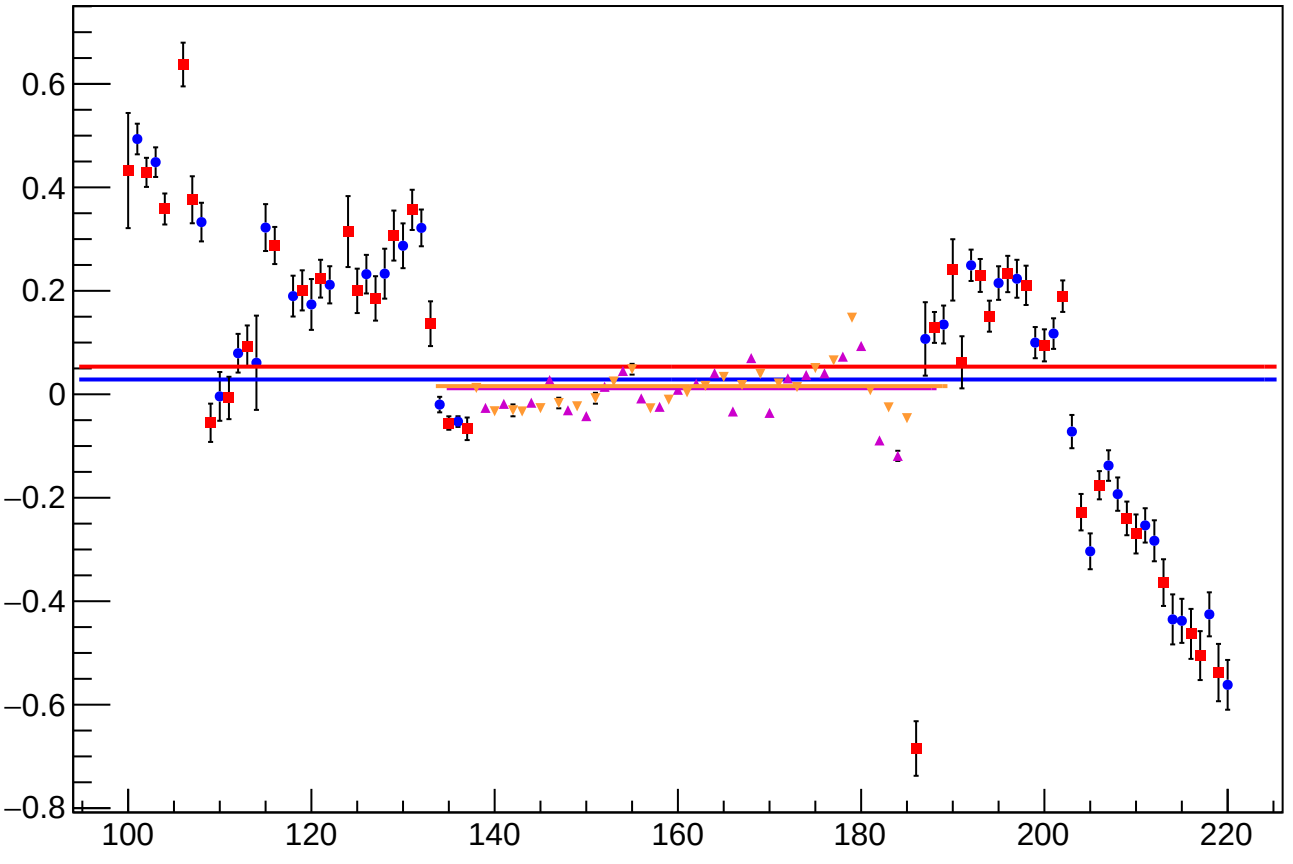
Right Out: -5.781+/-0.110 χ^2/NDF: 1435.7/36

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.225+/-0.029 χ^2/NDF: 3798.0/57

All: -6.247+/-0.021 χ^2/NDF: 7286.5/117

- sign -6.271+/-0.030 χ^2/NDF: 3487.3/59



Right In: 0.029+/-0.005 χ^2/NDF: 1777.8/32

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

Right Out: 0.053+/-0.006 χ^2/NDF: 1914.9/36

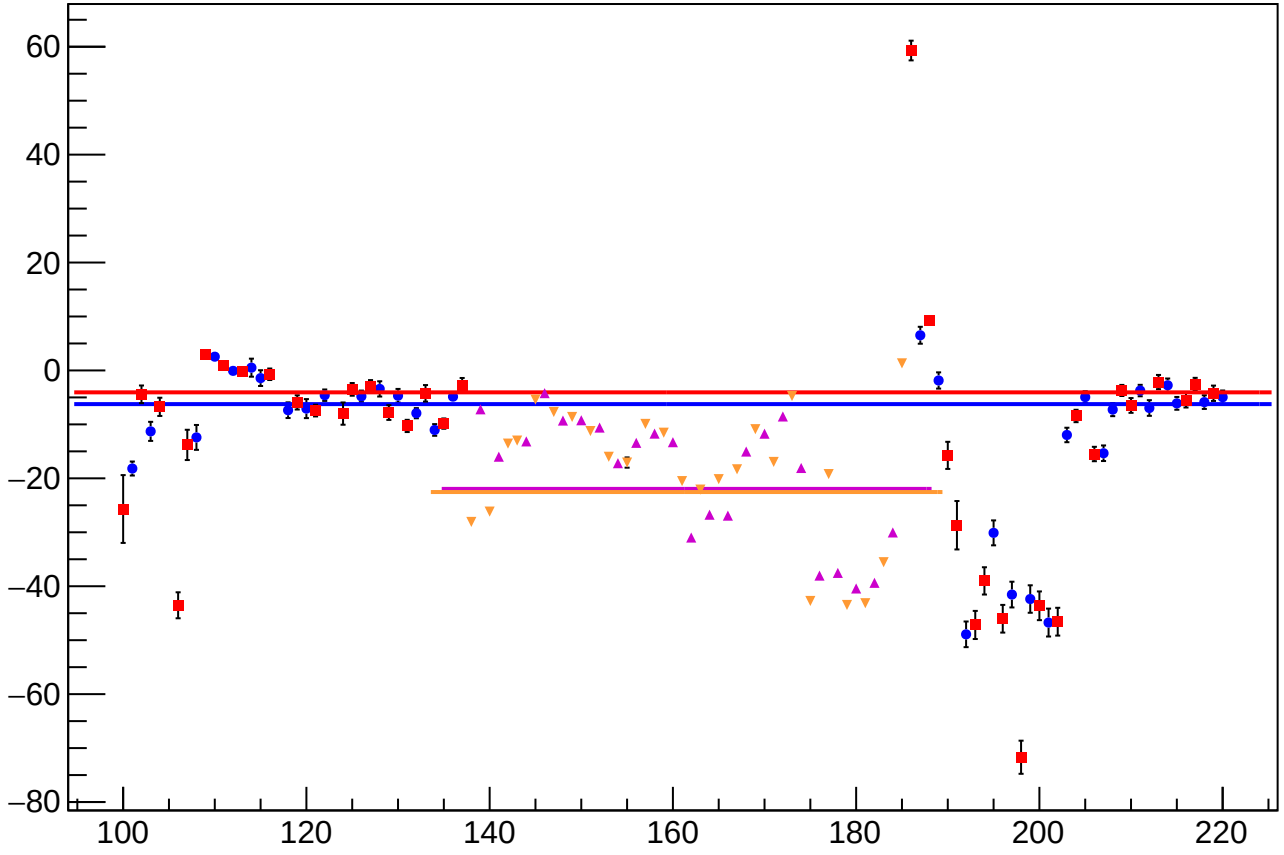
Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.017+/-0.001 χ^2/NDF: 2716.8/57

All: 0.015+/-0.001 χ^2/NDF: 5983.3/117

- sign 0.014+/-0.001 χ^2/NDF: 3264.8/59

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -6.242+/-0.213 χ^2/NDF: 1618.9/32

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -4.062+/-0.210 χ^2/NDF: 3915.4/36

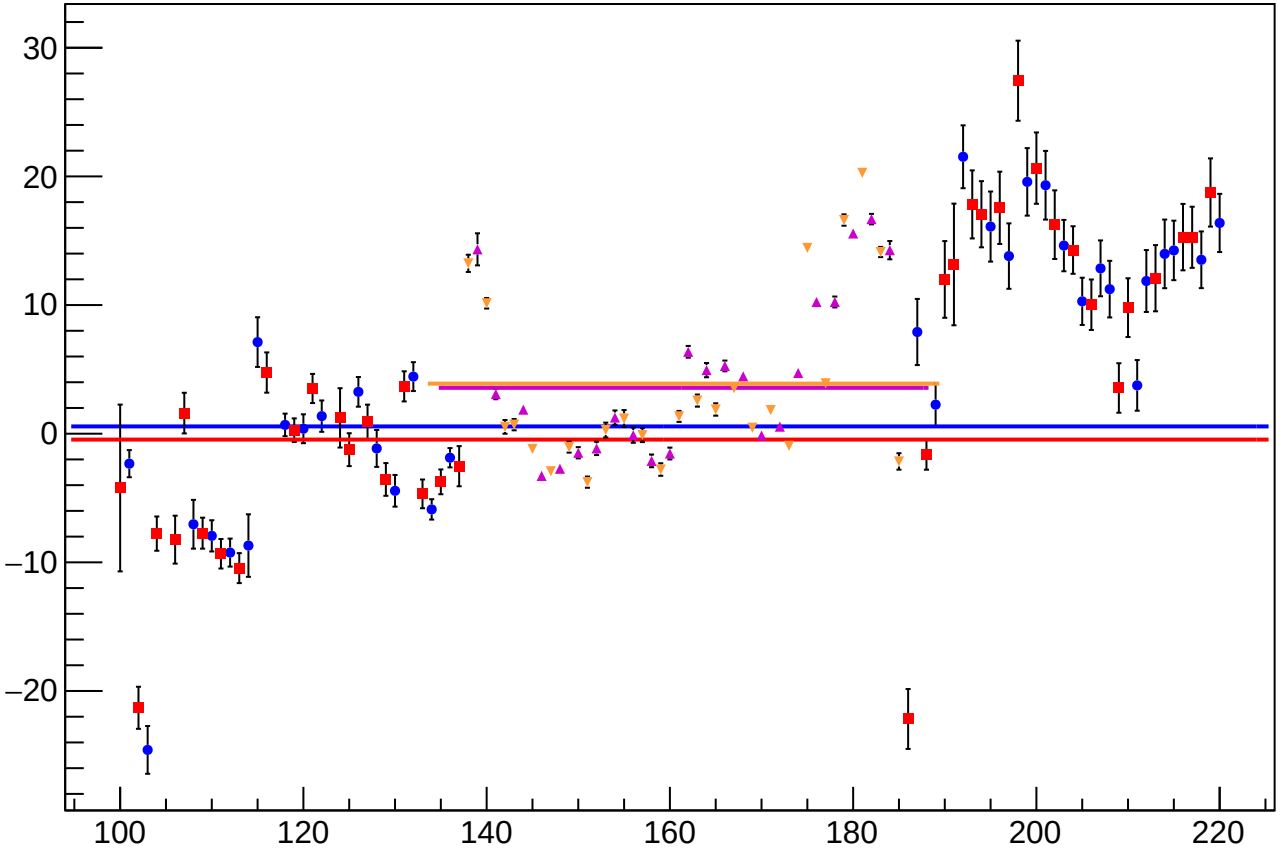
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.192+/-0.096 χ^2/NDF: 22825.0/57

All: -18.629+/-0.069 χ^2/NDF: 45063.2/117

- sign -18.043+/-0.098 χ^2/NDF: 22168.4/59

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 0.566+/-0.253 χ^2/NDF: 1021.6/32

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

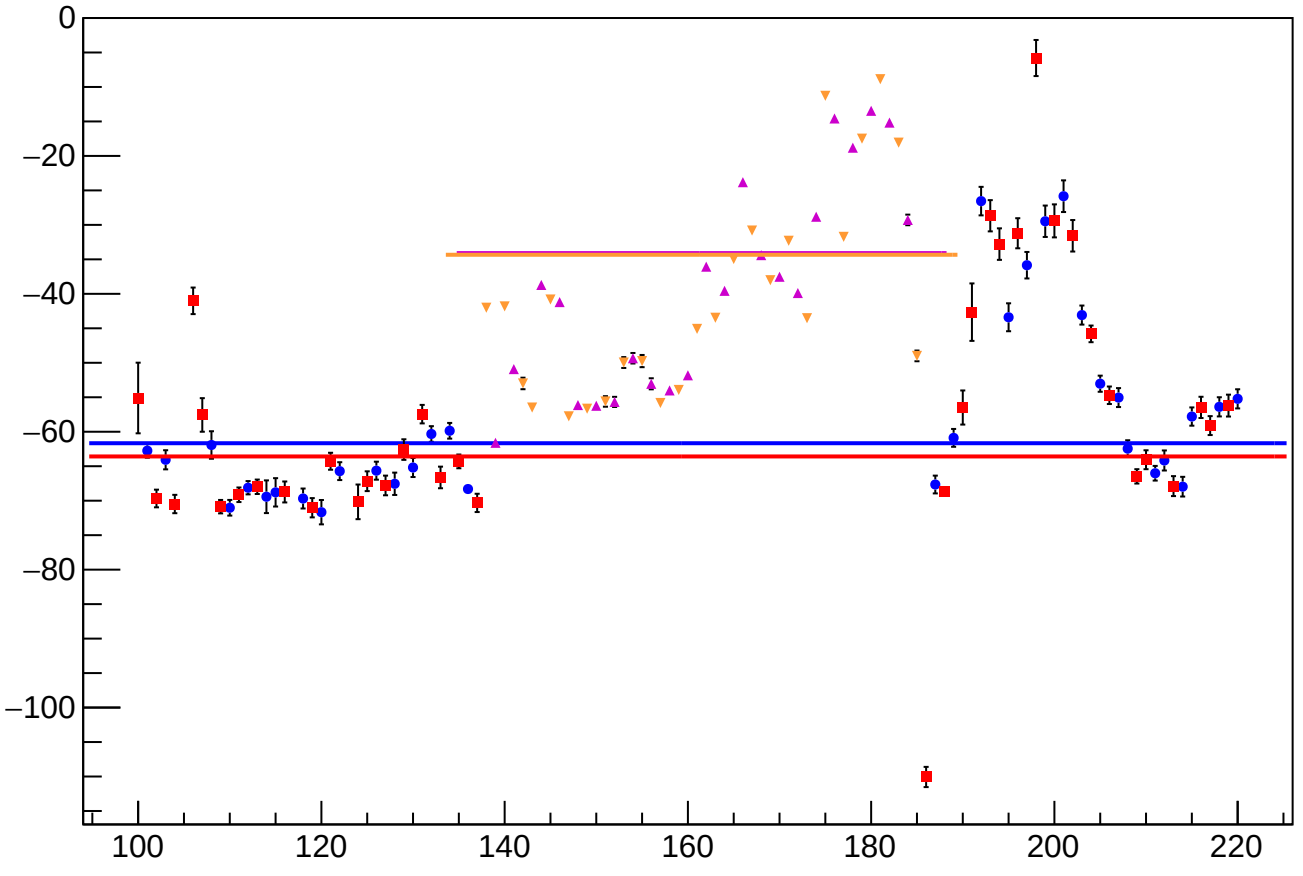
Right Out: -0.457+/-0.261 χ^2/NDF: 1154.4/36

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.559+/-0.080 χ^2/NDF: 7901.2/57

All: 3.369+/-0.057 χ^2/NDF: 14021.4/117

- sign 3.169+/-0.082 χ^2/NDF: 6108.5/59



Right In: -61.665+/-0.229 χ^2/NDF: 1707.1/32

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -63.584+/-0.230 χ^2/NDF: 3371.6/36

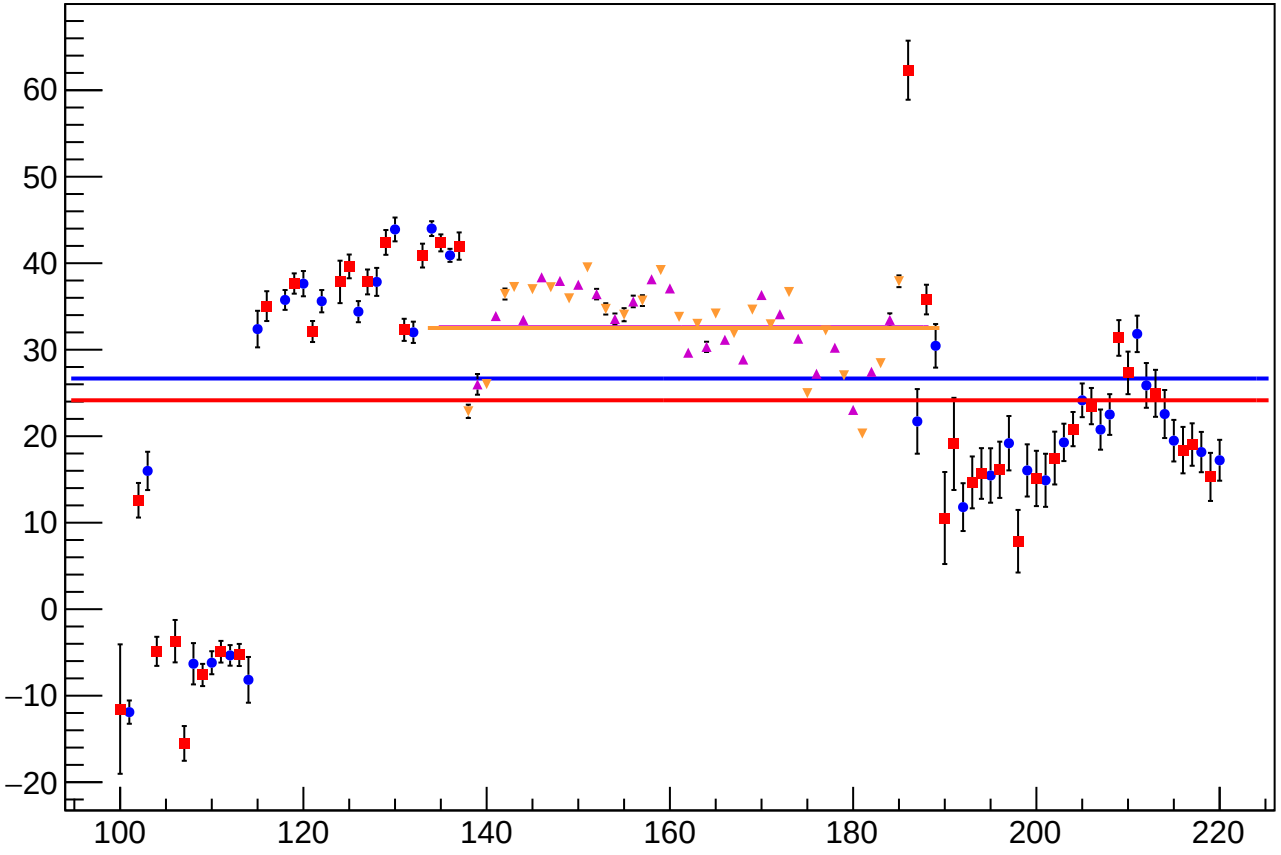
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -39.323+/-0.098 χ^2/NDF: 34538.6/57

All: -39.487+/-0.070 χ^2/NDF: 68980.2/117

- sign -39.658+/-0.100 χ^2/NDF: 34435.8/59

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 26.670+/-0.284 χ^2/NDF: 3895.9/32

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

Right Out: 24.152+/-0.296 χ^2/NDF: 4113.8/36

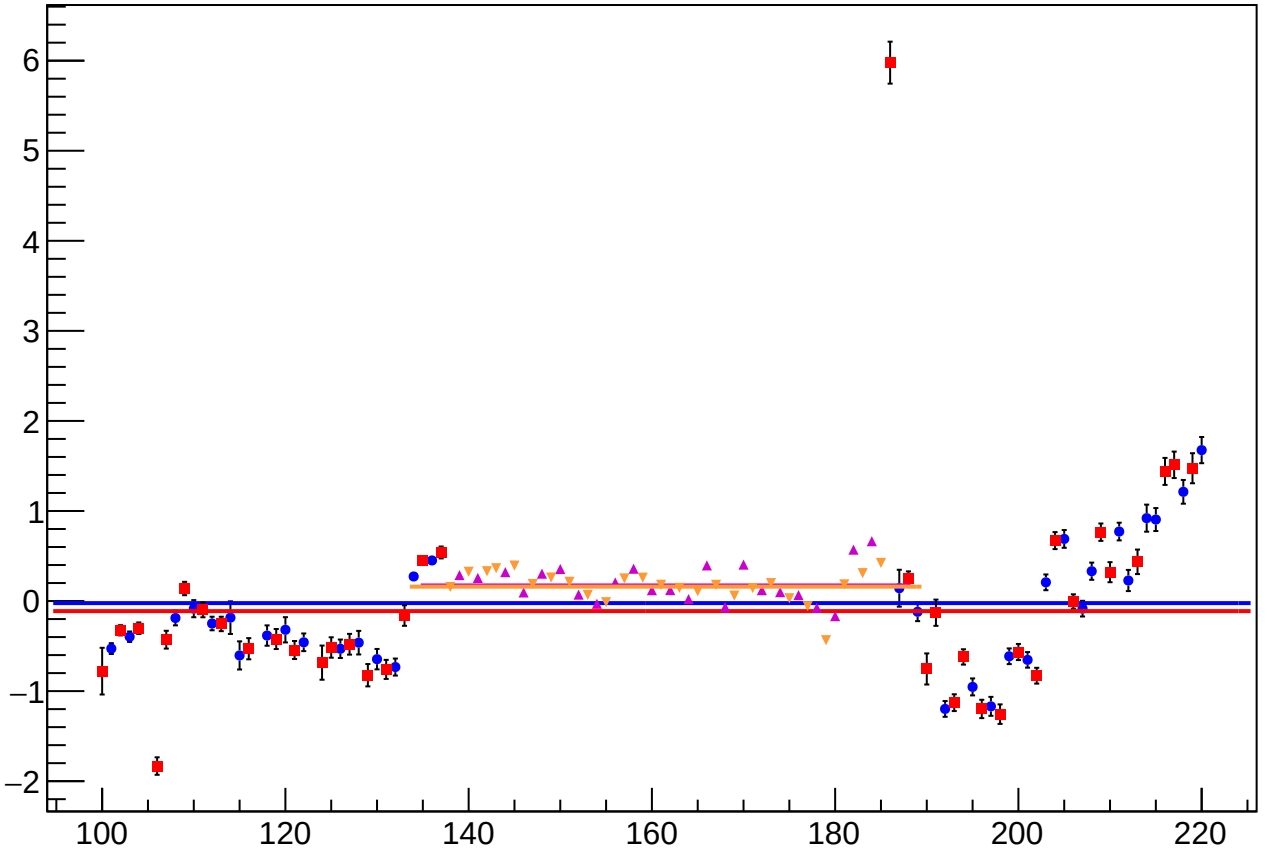
Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 31.927+/-0.090 χ^2/NDF: 7215.6/57

All: 31.856+/-0.064 χ^2/NDF: 14080.4/117

- sign 31.782+/-0.092 χ^2/NDF: 6863.5/59

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.023+/-0.014 χ^2/NDF: 1545.0/32

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.112+/-0.015 χ^2/NDF: 2511.9/36

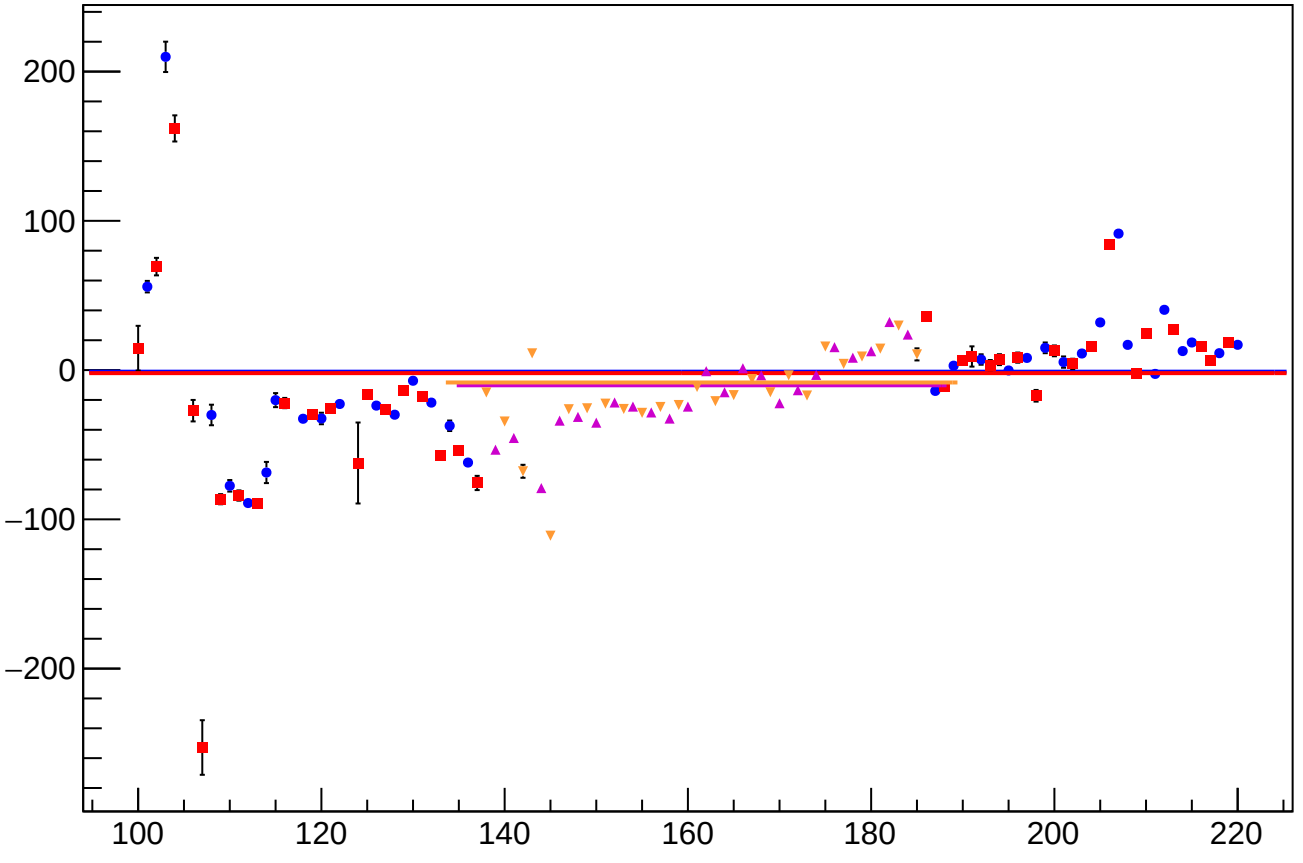
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.145+/-0.004 χ^2/NDF: 3308.3/57

All: 0.148+/-0.003 χ^2/NDF: 8280.8/117

- sign 0.152+/-0.004 χ^2/NDF: 4971.2/59

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -1.065+/-0.490 χ^2/NDF: 5140.2/32

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -2.040+/-0.467 χ^2/NDF: 6023.0/36

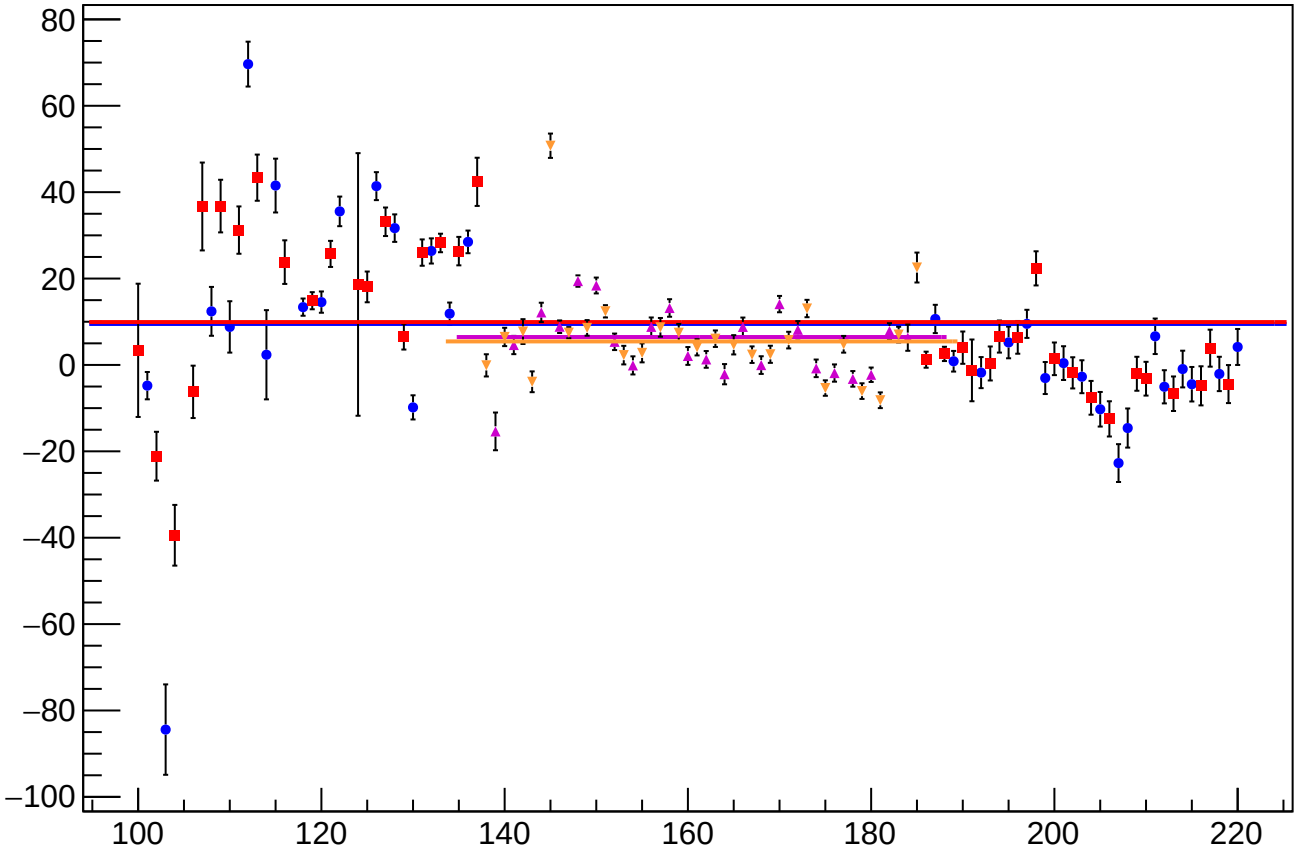
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -4.511+/-0.355 χ^2/NDF: 7803.6/57

All: -5.078+/-0.249 χ^2/NDF: 16484.0/117

- sign -5.630+/-0.349 χ^2/NDF: 8675.3/59

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 9.490+/-0.605 χ^2/NDF: 809.7/32

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 9.923+/-0.581 χ^2/NDF: 615.5/36

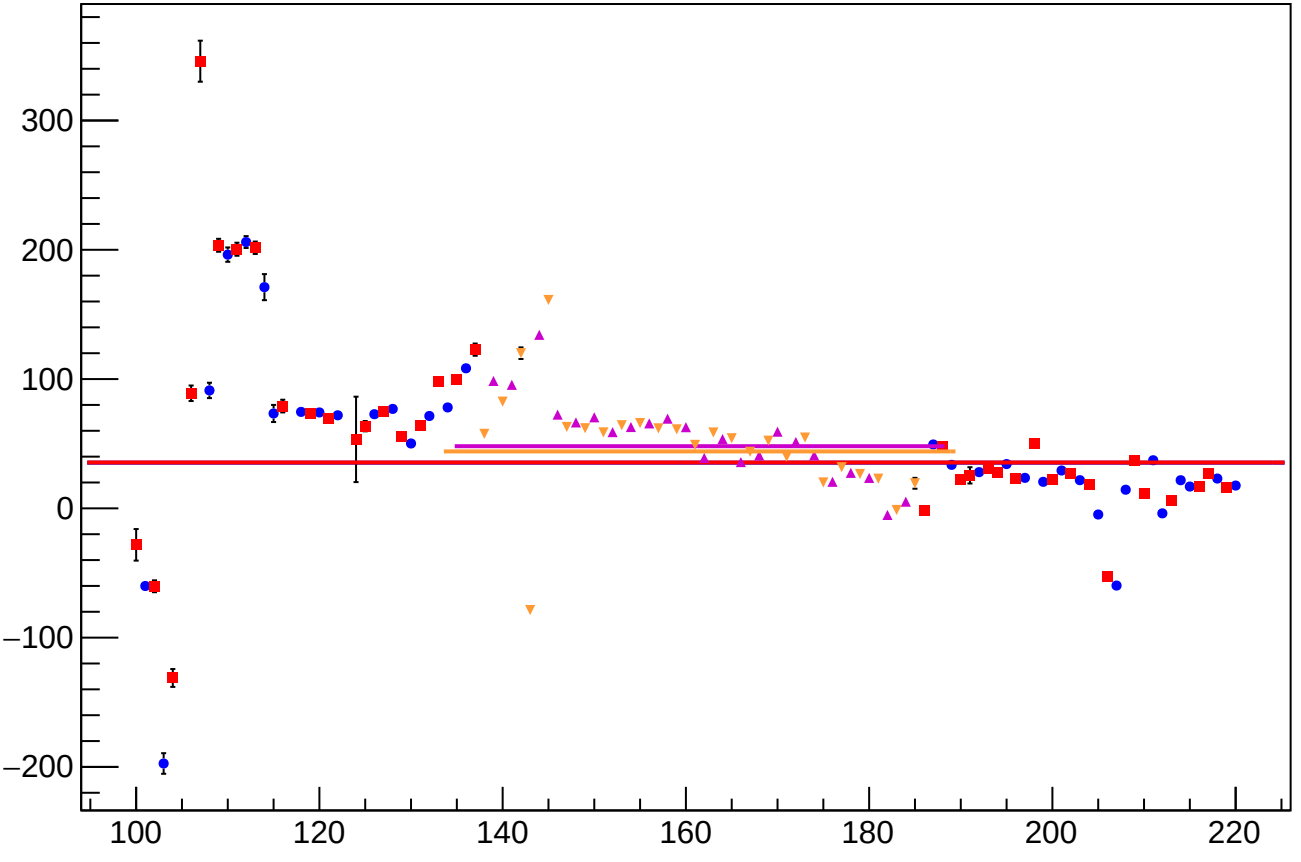
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

+ sign 6.649+/-0.330 χ^2/NDF: 1334.7/57

All: 7.122+/-0.235 χ^2/NDF: 2314.1/117

- sign 7.605+/-0.334 χ^2/NDF: 975.2/59

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 35.323+/-0.494 χ^2/NDF: 8425.0/32

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 35.479+/-0.453 χ^2/NDF: 9446.8/36

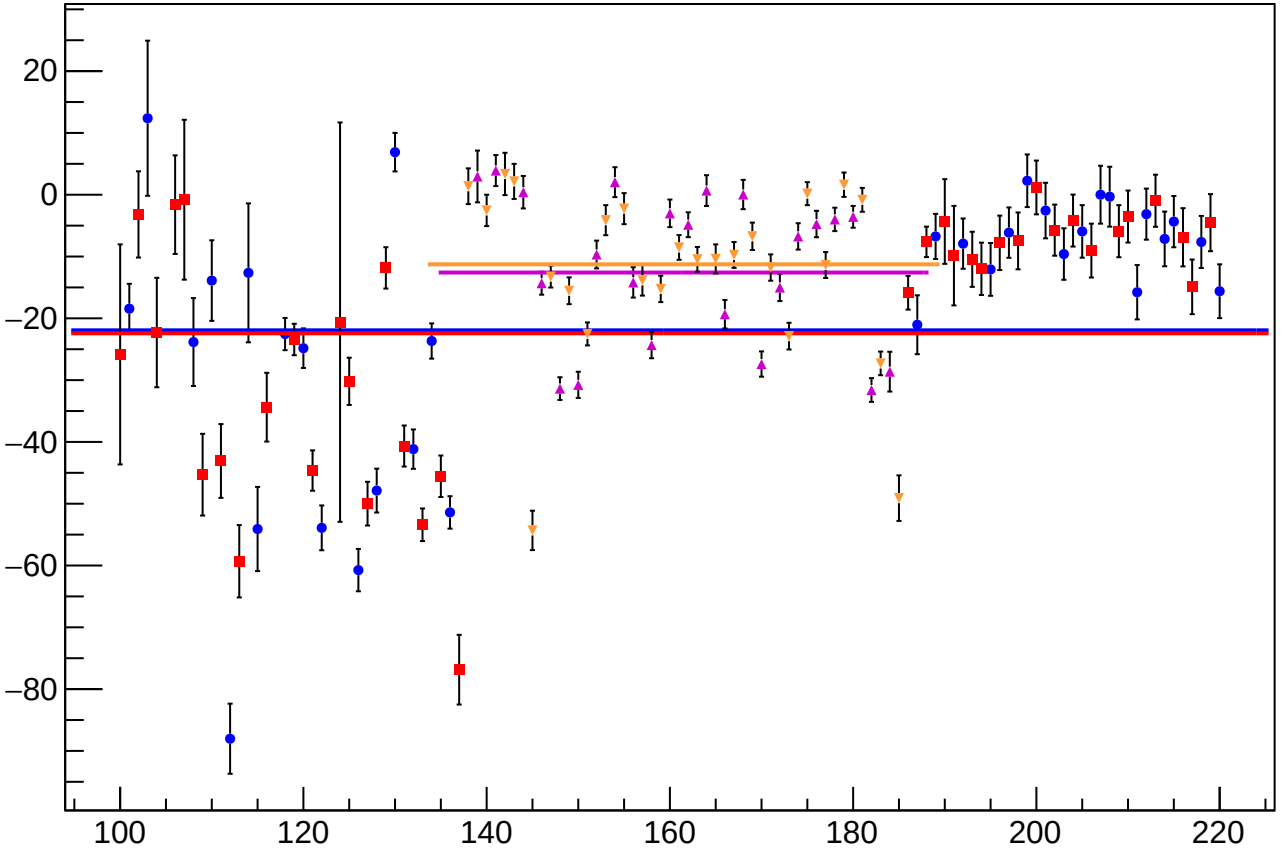
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 39.548+/-0.355 χ^2/NDF: 13139.5/57

All: 40.247+/-0.246 χ^2/NDF: 26303.3/117

- sign 40.895+/-0.342 χ^2/NDF: 13156.3/59

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -21.943+/-0.698 χ^2/NDF: 907.8/32

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -22.422+/-0.692 χ^2/NDF: 766.0/36

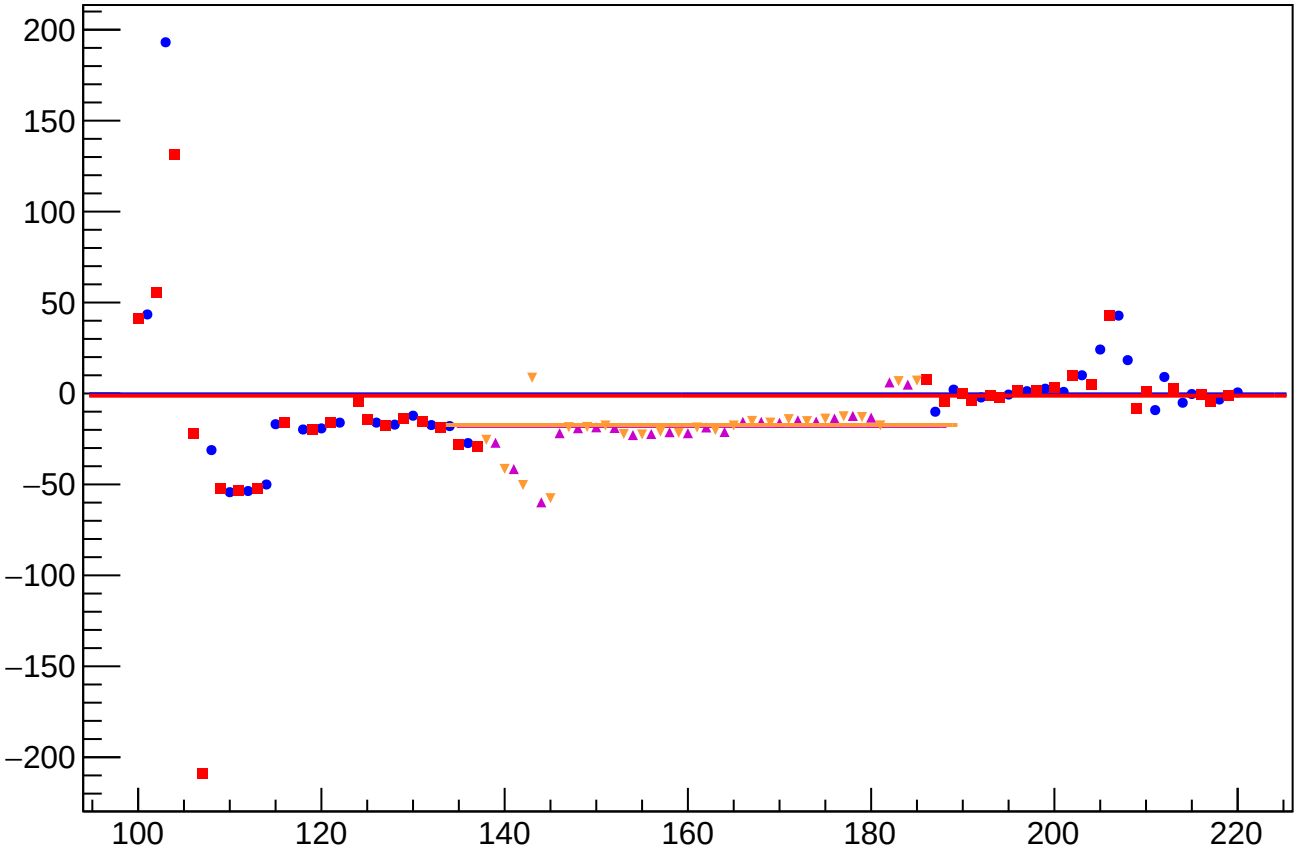
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -14.349+/-0.375 χ^2/NDF: 1717.8/57

All: -14.957+/-0.268 χ^2/NDF: 3301.1/117

- sign -15.590+/-0.382 χ^2/NDF: 1577.9/59

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.486+/-0.033 χ^2/NDF: 648225.1/32

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.213+/-0.033 χ^2/NDF: 571817.9/36

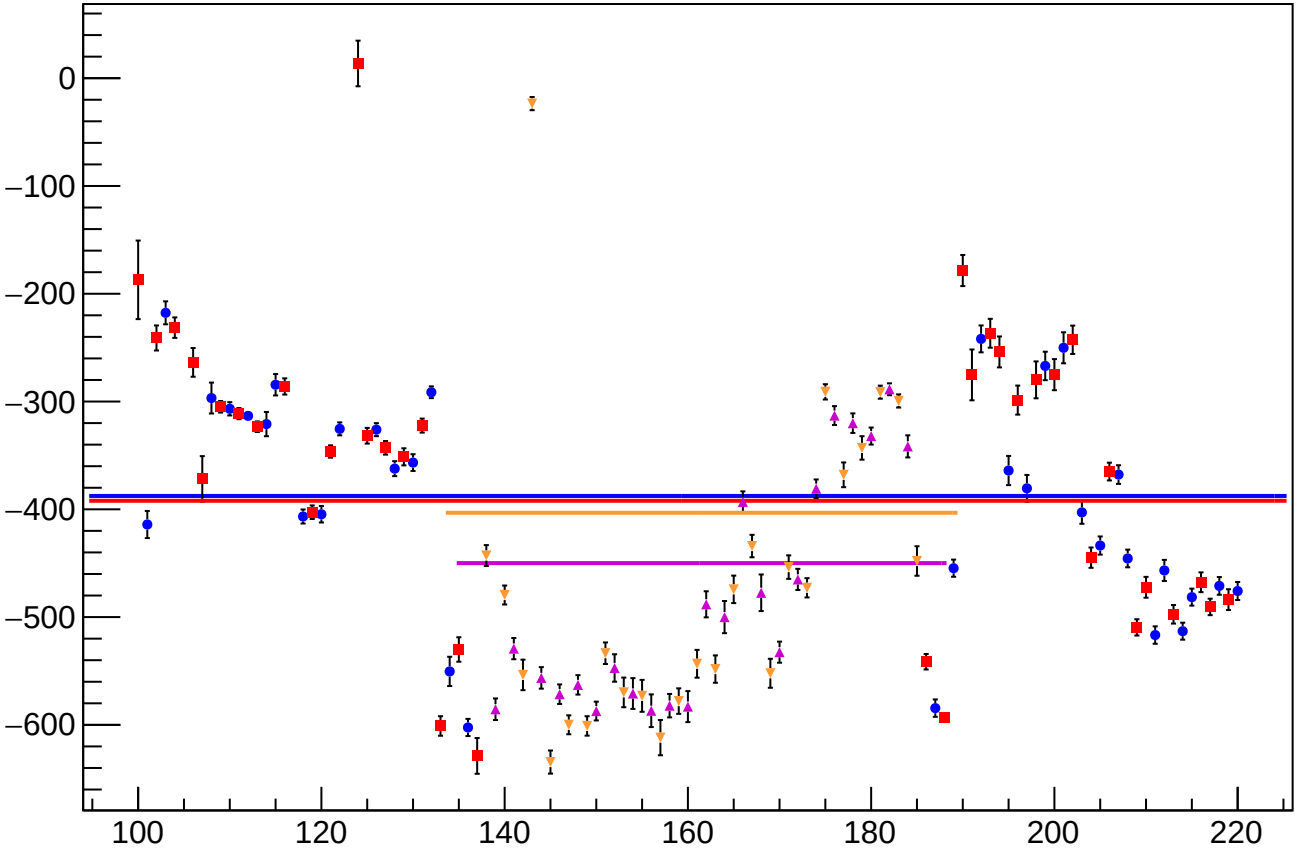
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -12.854+/-0.017 χ^2/NDF: 1185163.7/57

All: -13.043+/-0.012 χ^2/NDF: 2210018.6/117

- sign -13.237+/-0.017 χ^2/NDF: 1024606.9/59

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -387.607+/-1.416 χ^2/NDF: 4297.4/32

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -392.074+/-1.360 χ^2/NDF: 7269.2/36

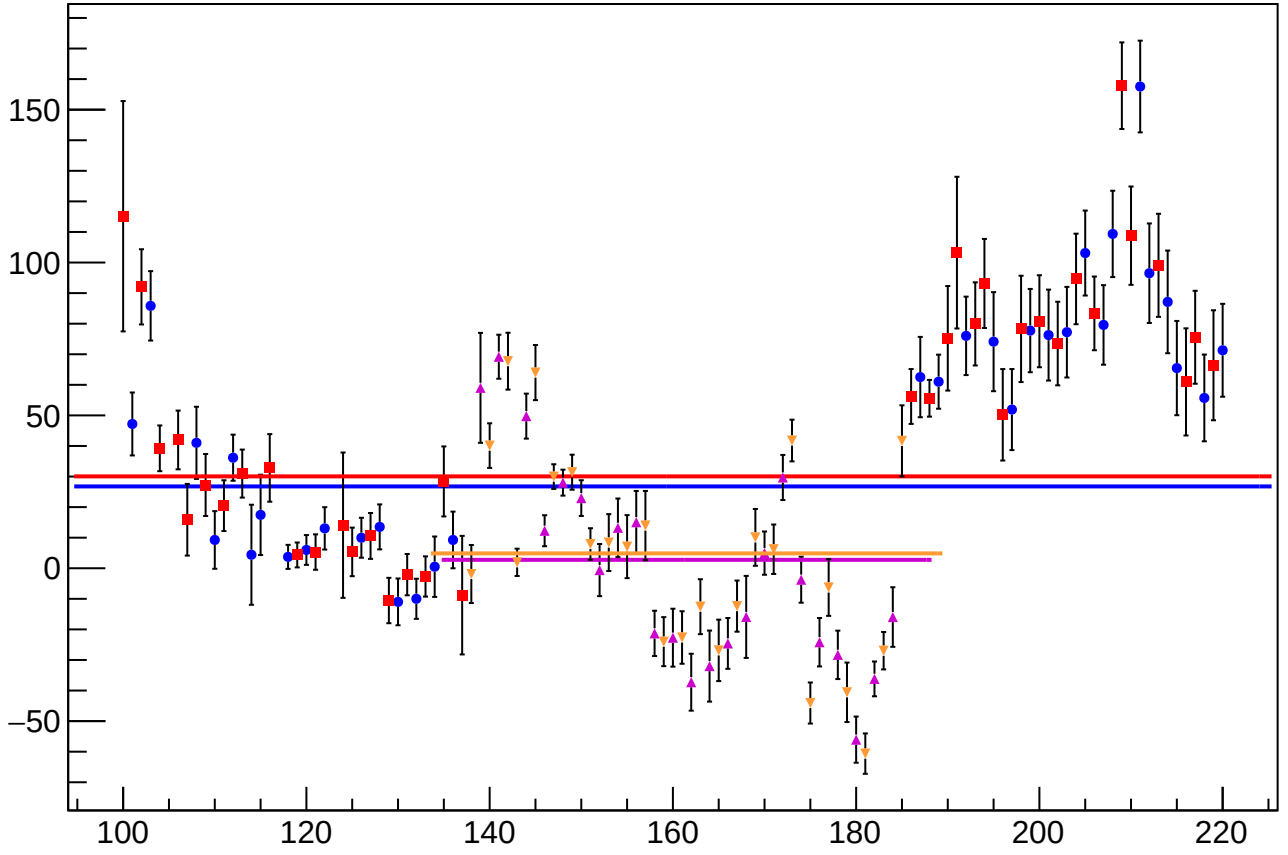
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -393.071+/-1.141 χ^2/NDF: 12090.1/57

All: -401.520+/-0.804 χ^2/NDF: 23242.2/117

- sign -409.837+/-1.132 χ^2/NDF: 11043.3/59

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 26.767+/-1.613 χ^2/NDF: 465.7/32

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 30.053+/-1.585 χ^2/NDF: 475.1/36

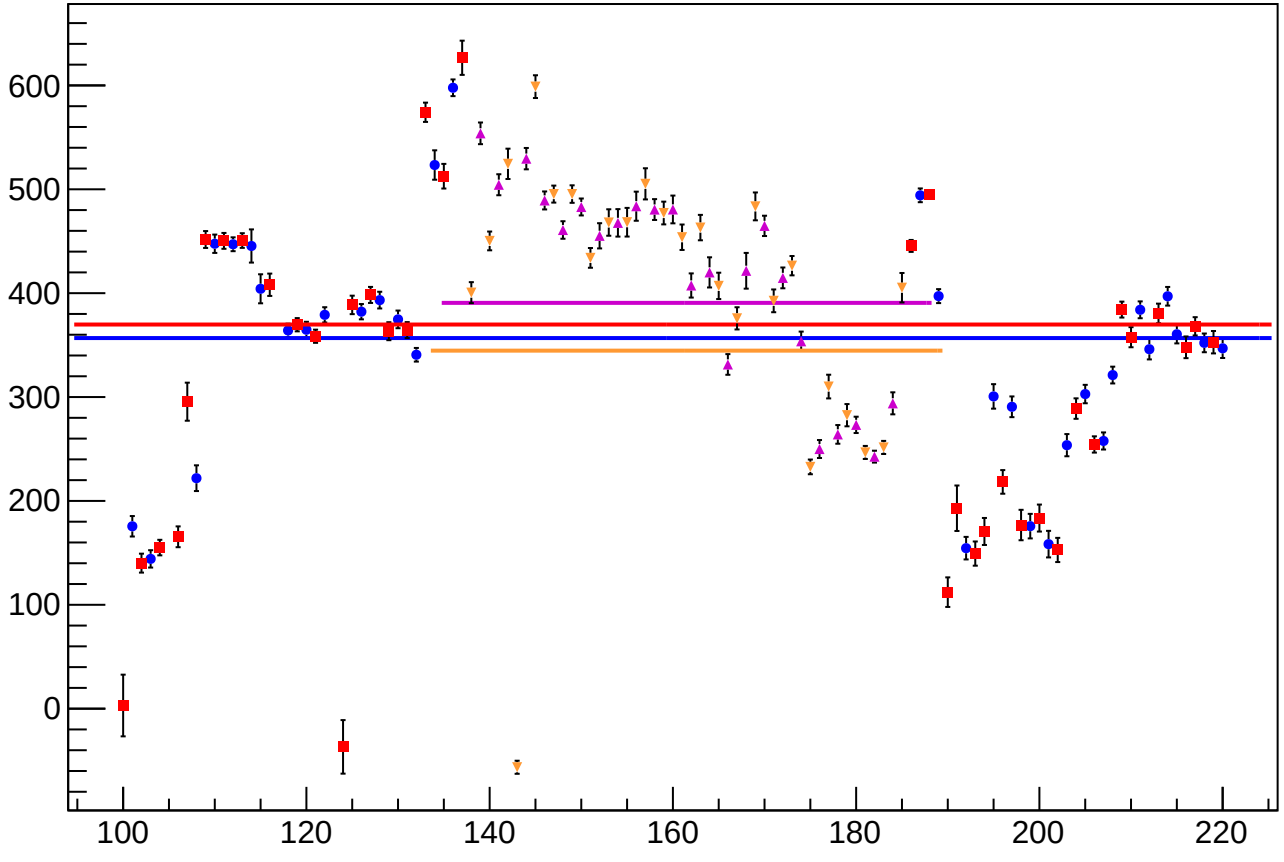
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

+ sign 14.629+/-1.077 χ^2/NDF: 1025.1/57

All: 15.362+/-0.773 χ^2/NDF: 2052.1/117

- sign 16.140+/-1.110 χ^2/NDF: 1026.0/59

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 356.787+/-1.514 χ^2/NDF: 4211.5/32

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 369.816+/-1.422 χ^2/NDF: 7221.5/36

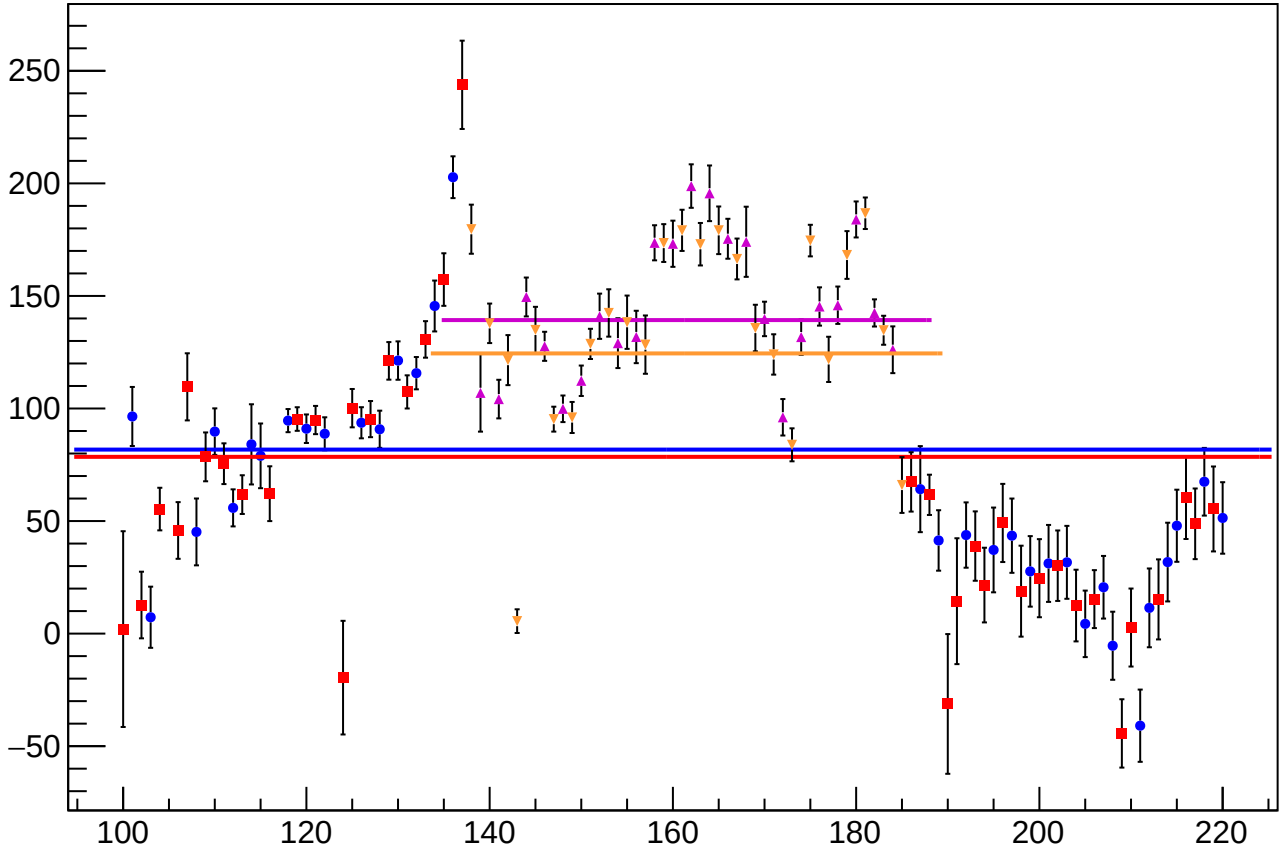
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 352.158+/-1.190 χ^2/NDF: 11514.1/57

All: 364.682+/-0.832 χ^2/NDF: 21696.3/117

- sign 376.686+/-1.165 χ^2/NDF: 9965.1/59

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 81.747+/-1.873 χ^2/NDF: 536.8/32

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 78.523+/-1.854 χ^2/NDF: 504.0/36

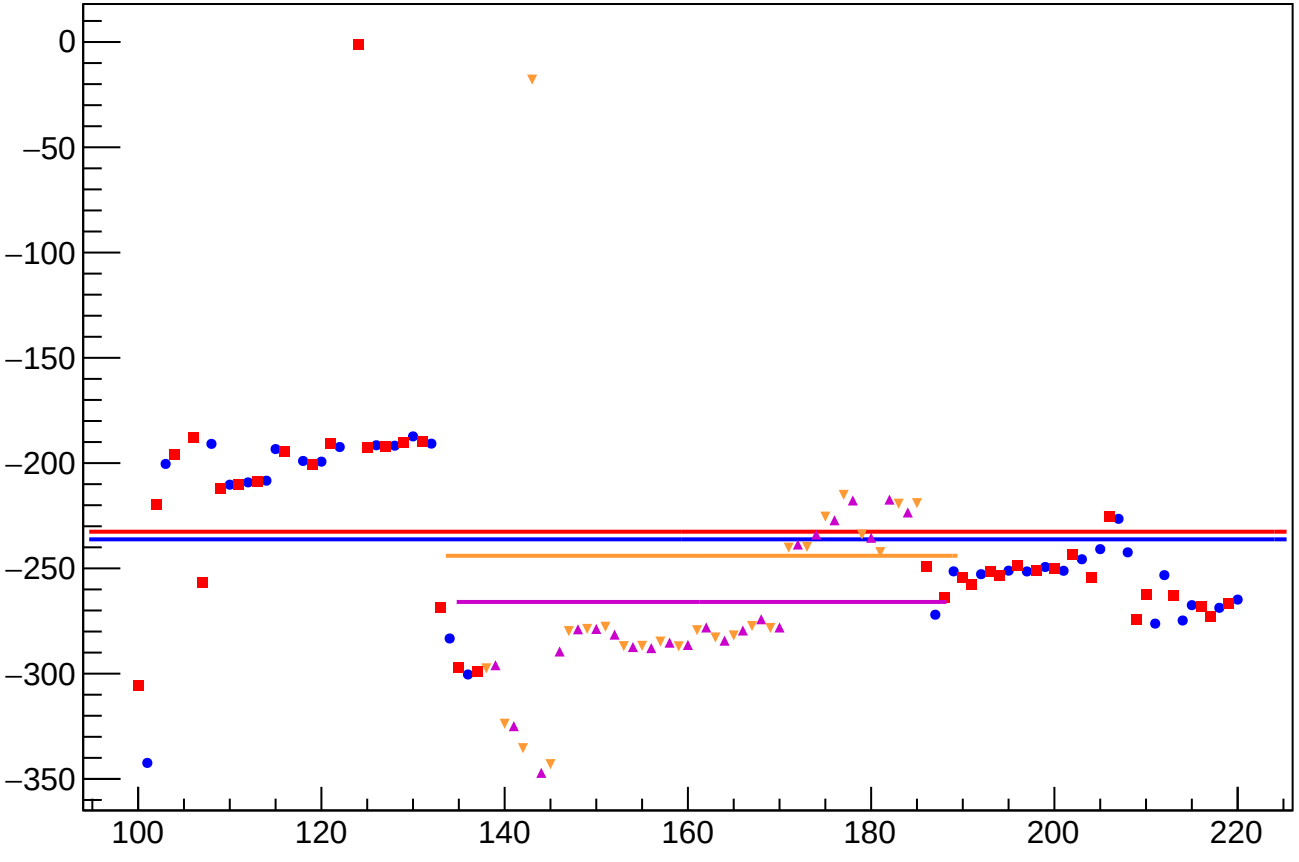
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 105.644+/-1.243 χ^2/NDF: 1765.5/57

All: 107.911+/-0.892 χ^2/NDF: 3099.2/117

- sign 110.314+/-1.280 χ^2/NDF: 1326.9/59

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -236.211+/-0.102 χ^2/NDF: 145520.1/32

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -232.576+/-0.099 χ^2/NDF: 122112.5/36

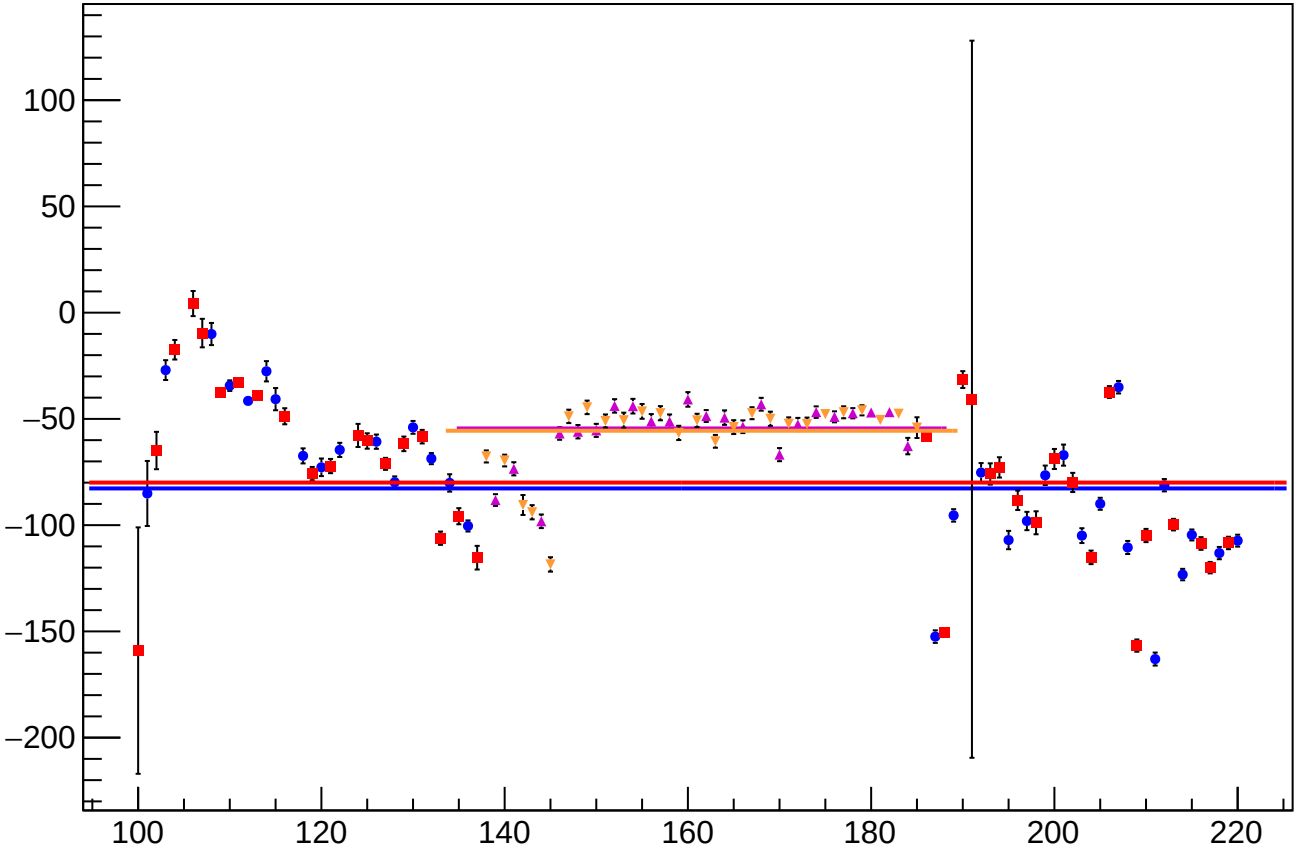
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -241.173+/-0.062 χ^2/NDF: 1147199.1/57

All: -246.843+/-0.044 χ^2/NDF: 1524778.6/11

- sign -252.667+/-0.062 χ^2/NDF: 360423.3/59

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -82.724+/-0.566 χ^2/NDF: 3741.3/32

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -79.964+/-0.532 χ^2/NDF: 5588.2/36

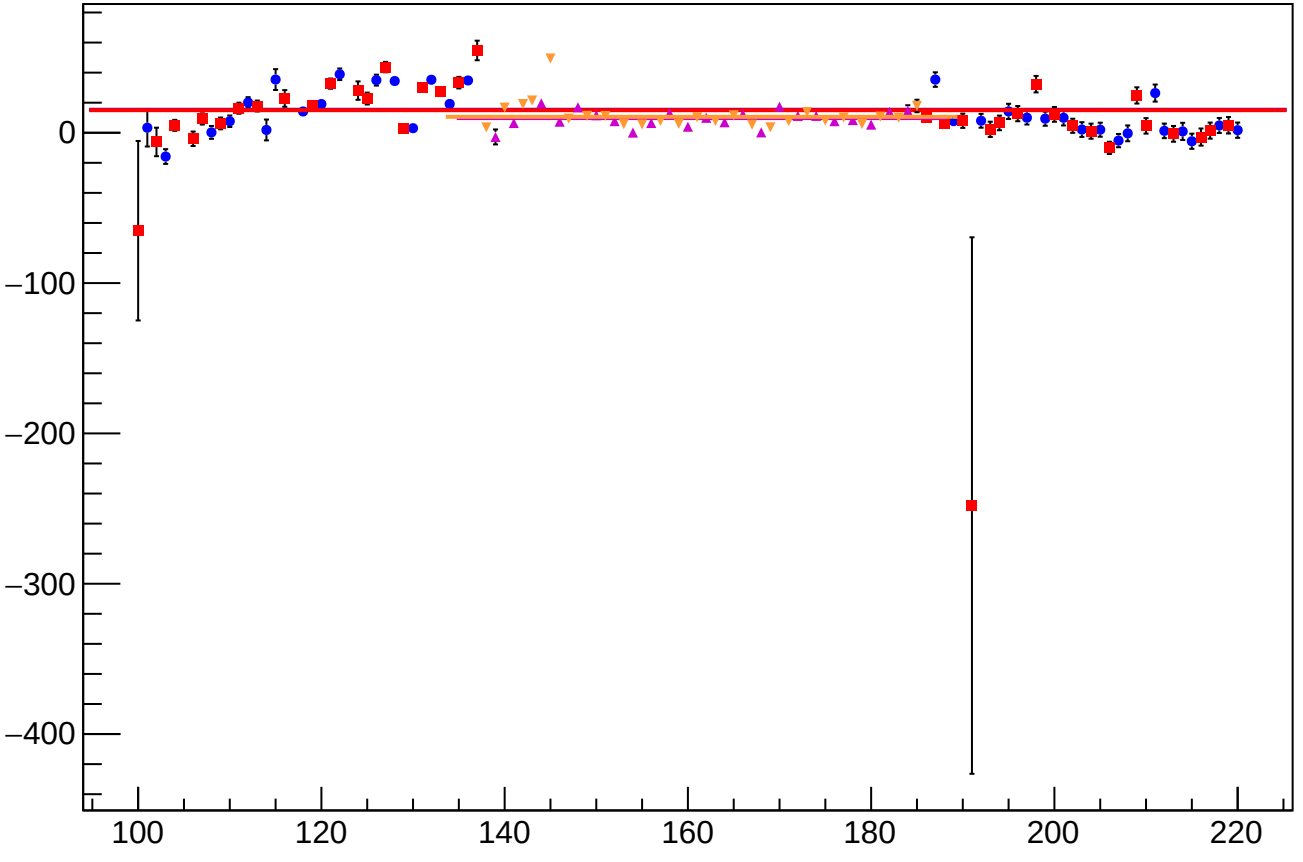
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -69.706+/-0.409 χ^2/NDF: 5529.7/57

All: -69.285+/-0.286 χ^2/NDF: 12616.8/117

\- sign -68.882+/-0.400 χ^2/NDF: 7085.1/59

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 15.285+/-0.693 χ^2/NDF: 398.1/32

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 15.022+/-0.649 χ^2/NDF: 399.0/36

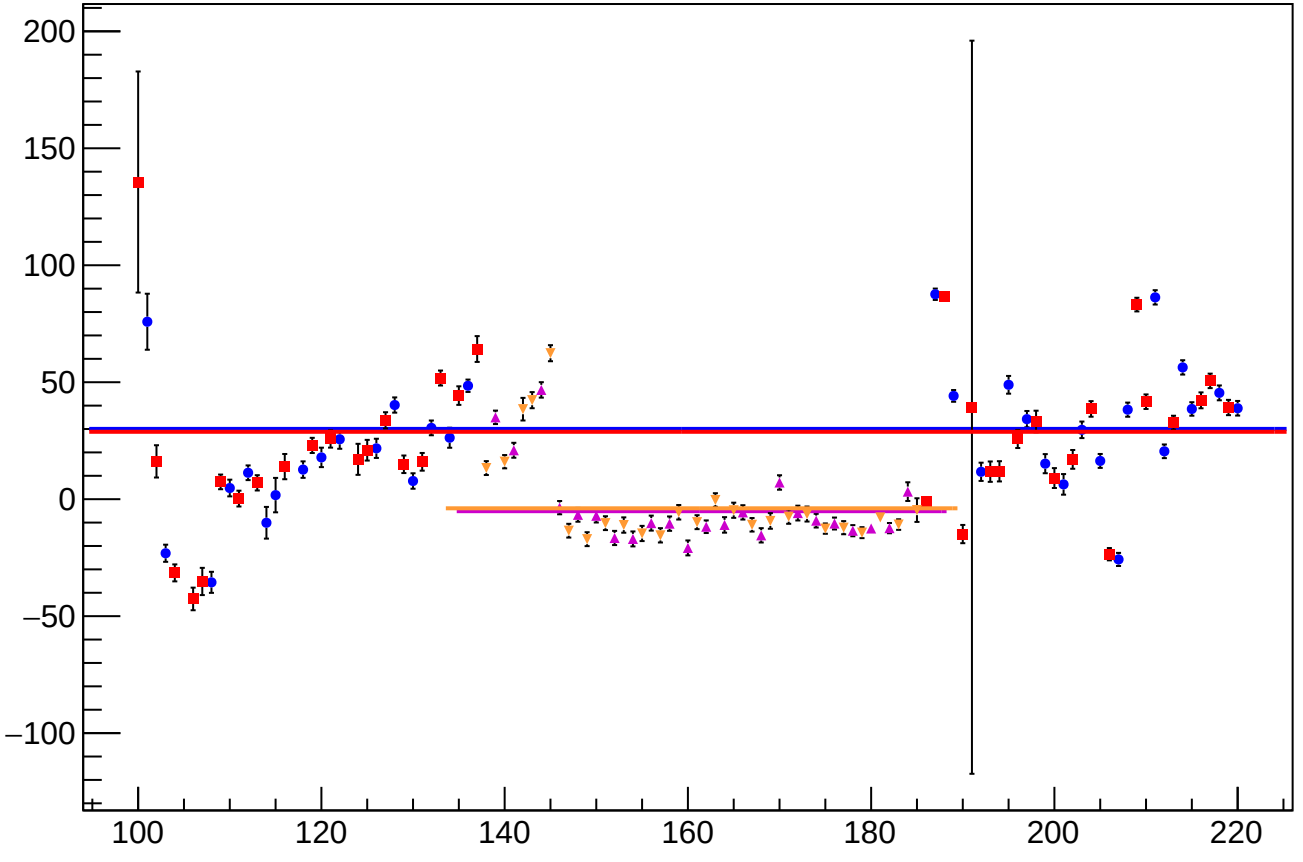
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

\+ sign 11.989+/-0.377 χ^2/NDF: 685.4/57

All: 11.775+/-0.267 χ^2/NDF: 1249.3/117

\- sign 11.559+/-0.379 χ^2/NDF: 563.2/59

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 30.050+/-0.594 χ^2/NDF: 2285.3/32

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 28.814+/-0.541 χ^2/NDF: 4162.7/36

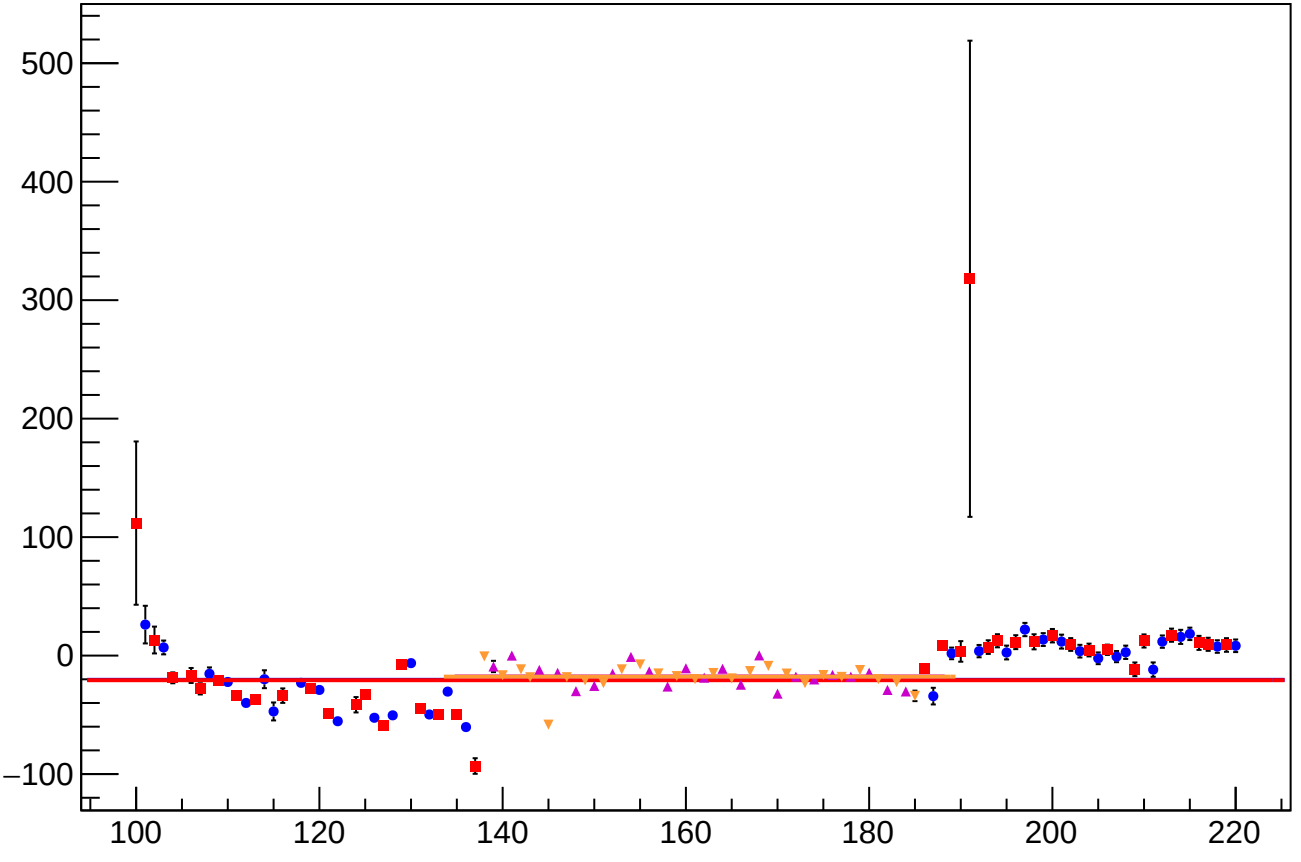
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

\+ sign 12.812+/-0.417 χ^2/NDF: 4792.2/57

All: 13.205+/-0.289 χ^2/NDF: 11371.1/117

\- sign 13.571+/-0.402 χ^2/NDF: 6577.1/59

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -20.467+/-0.792 χ^2/NDF: 1005.0/32

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -20.762+/-0.765 χ^2/NDF: 1085.0/36

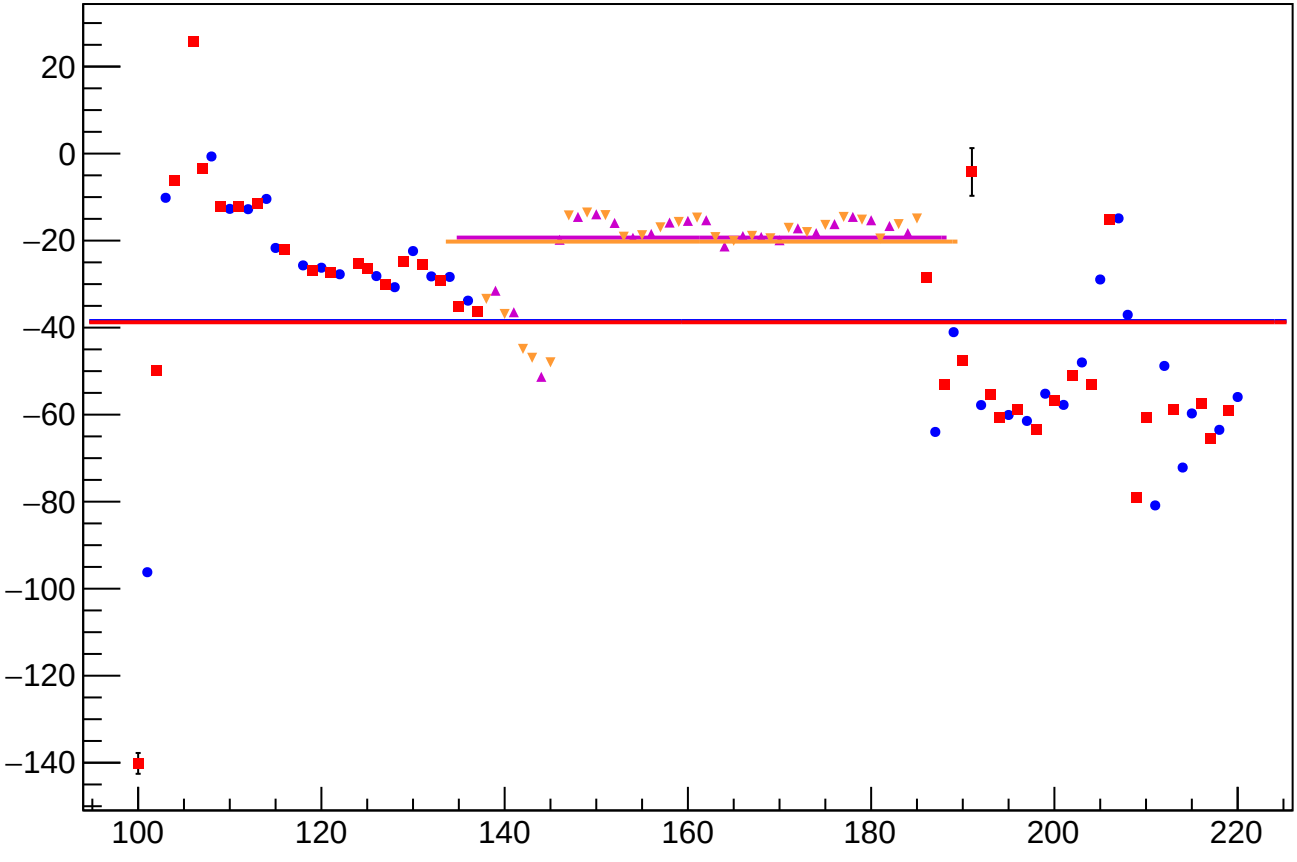
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -18.562+/-0.428 χ^2/NDF: 1264.8/57

All: -18.602+/-0.305 χ^2/NDF: 2646.9/117

- sign -18.644+/-0.433 χ^2/NDF: 1382.2/59

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -38.487+/-0.039 χ^2/NDF: 268723.7/32

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -38.766+/-0.038 χ^2/NDF: 344845.7/36

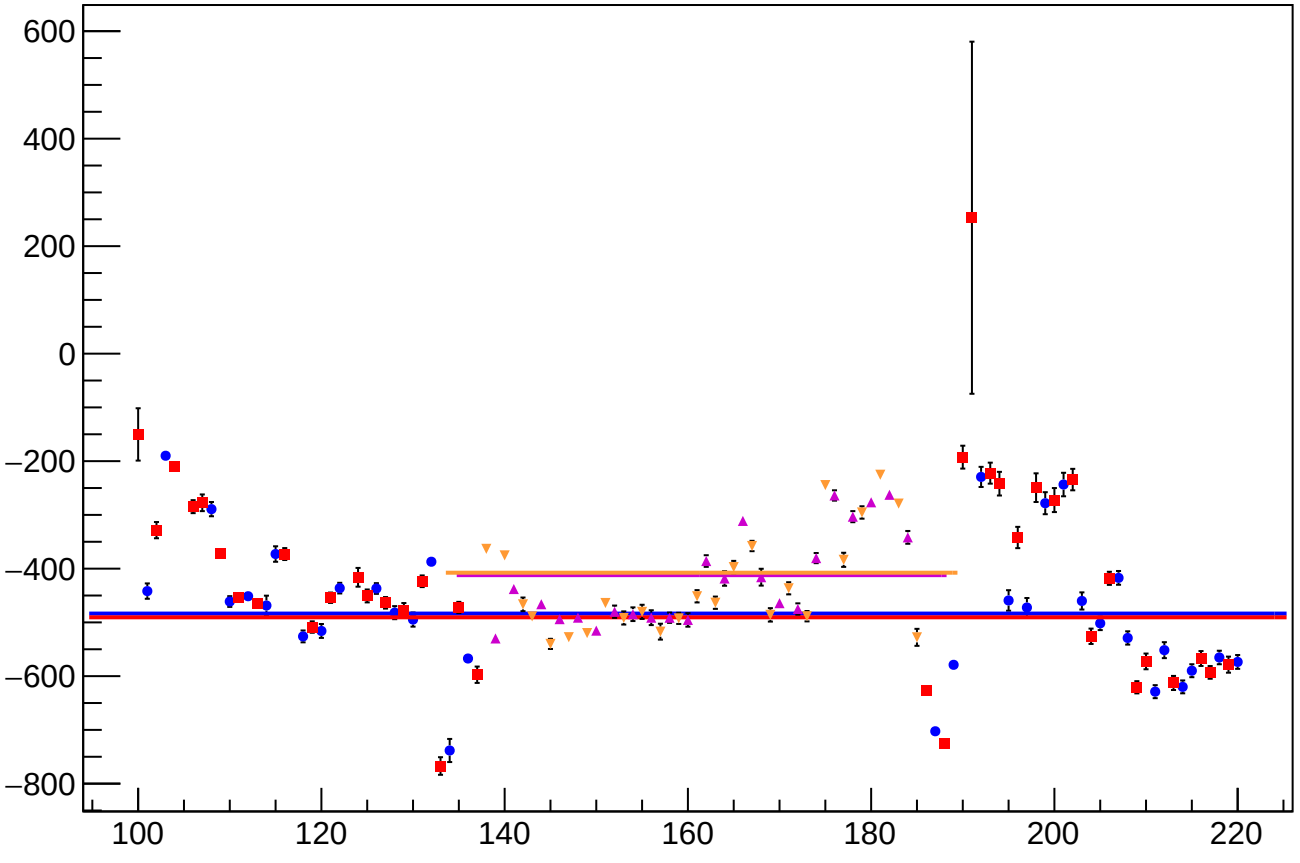
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -24.957+/-0.020 χ^2/NDF: 581412.4/57

All: -24.753+/-0.014 χ^2/NDF: 1207693.6/117

- sign -24.544+/-0.020 χ^2/NDF: 626062.8/59

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -483.597+/-2.060 χ^2/NDF: 3402.3/32

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -490.556+/-1.897 χ^2/NDF: 6556.0/36

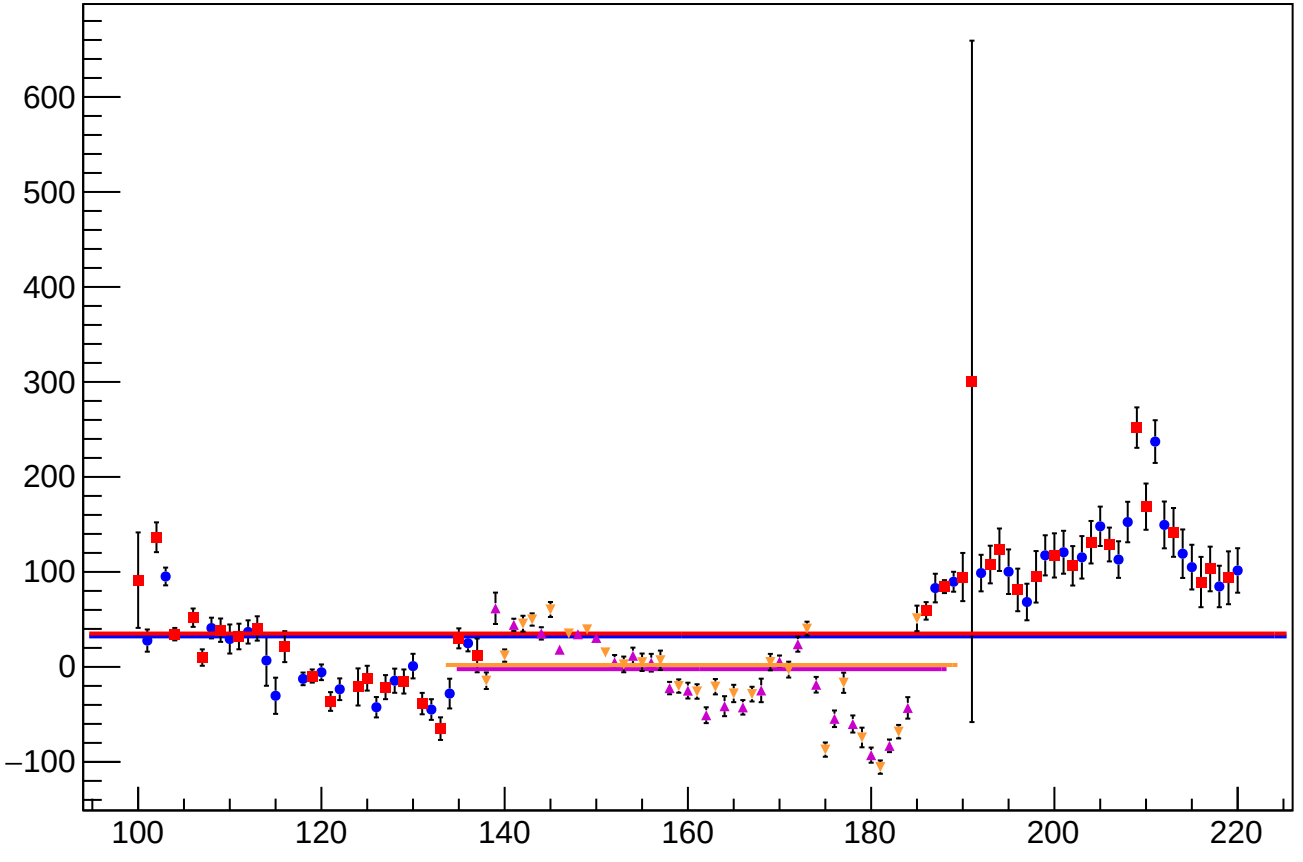
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -443.513+/-1.416 χ^2/NDF: 6993.3/57

All: -448.677+/-0.988 χ^2/NDF: 16564.1/117

- sign -453.571+/-1.379 χ^2/NDF: 9544.9/59

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 32.122+/-2.361 χ^2/NDF: 614.6/32

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 35.132+/-2.157 χ^2/NDF: 664.1/36

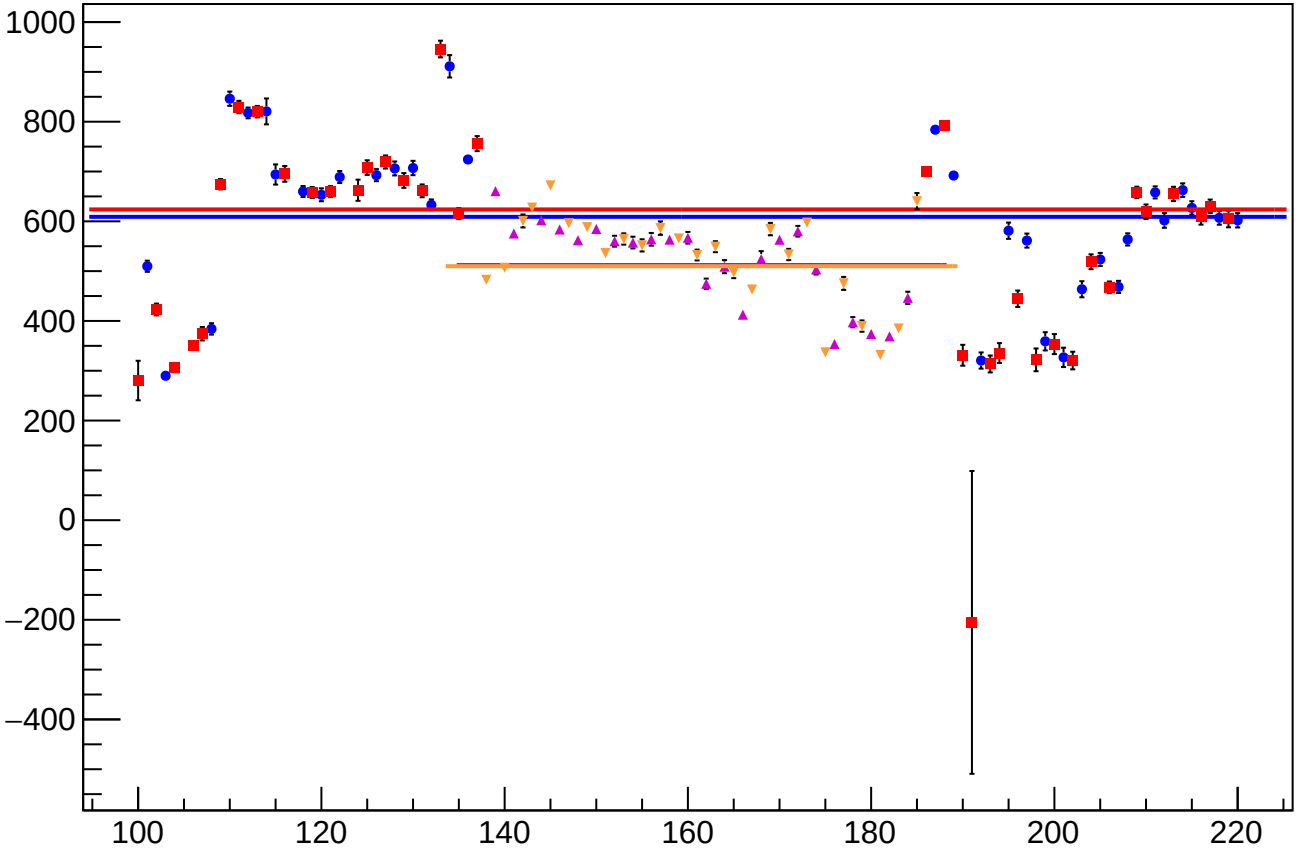
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 10.076+/-1.221 χ^2/NDF: 1644.3/57

All: 9.872+/-0.863 χ^2/NDF: 3247.1/117

- sign 9.667+/-1.222 χ^2/NDF: 1602.8/59

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 609.011+/-2.100 χ^2/NDF: 5562.8/32

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 623.913+/-1.873 χ^2/NDF: 8822.8/36

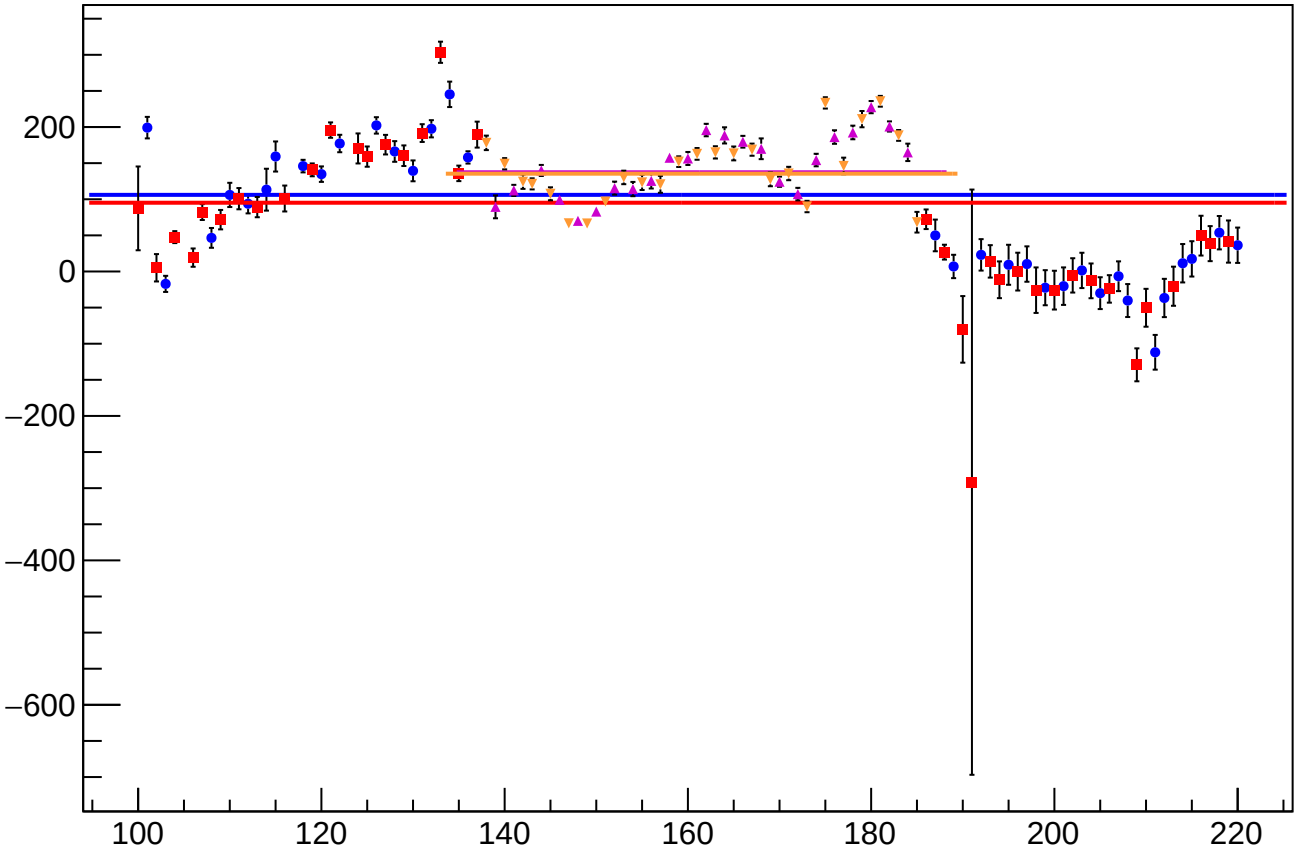
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

+ sign 555.431+/-1.423 χ^2/NDF: 9429.3/57

All: 563.708+/-0.984 χ^2/NDF: 22078.7/117

- sign 571.288+/-1.362 χ^2/NDF: 12584.6/59

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 106.098+/-2.746 χ^2/NDF: 918.8/32

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 95.194+/-2.576 χ^2/NDF: 983.0/36

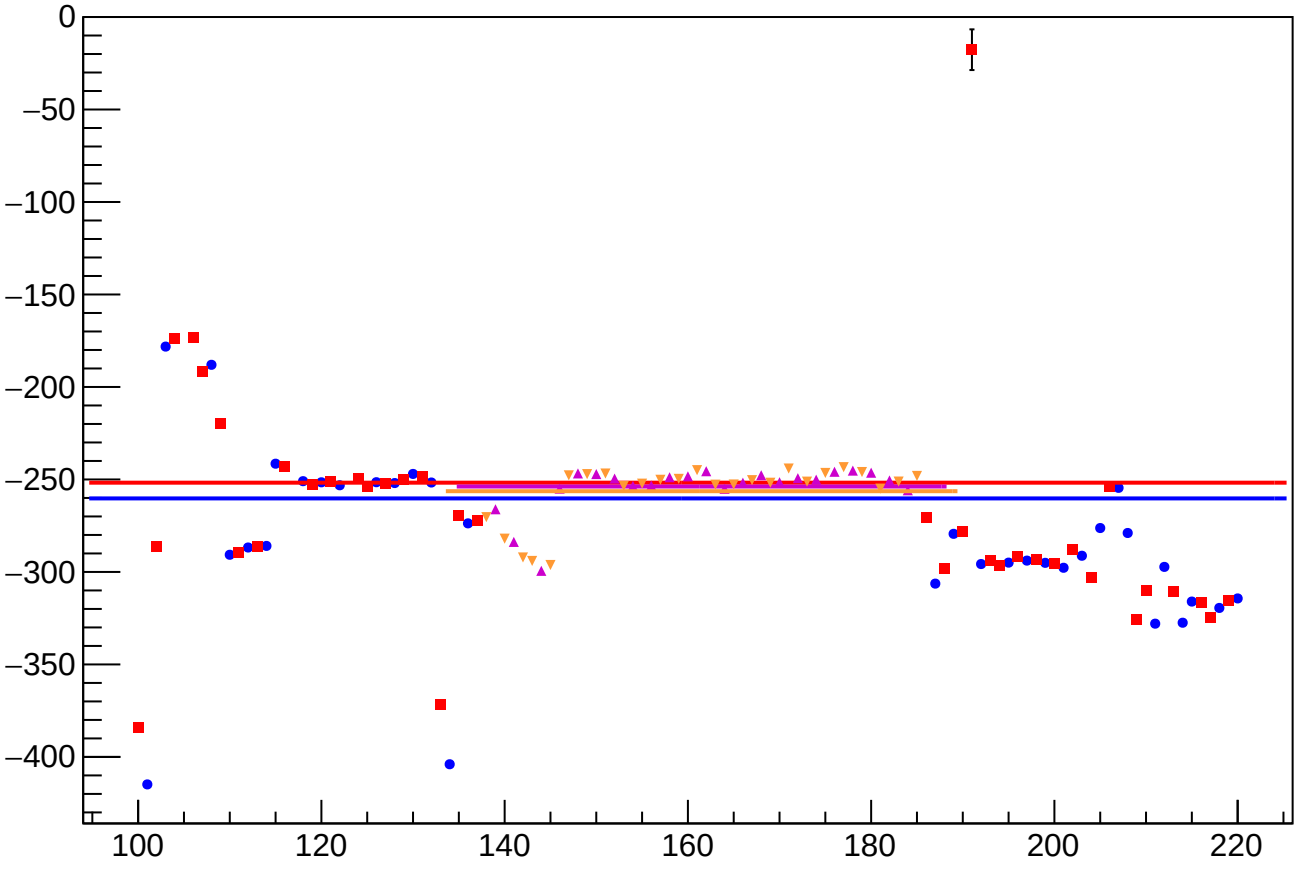
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 127.639+/-1.414 χ^2/NDF: 1925.7/57

All: 126.105+/-1.002 χ^2/NDF: 3803.7/117

- sign 124.557+/-1.420 χ^2/NDF: 1875.6/59

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -260.251+/-0.132 χ^2/NDF: 211191.2/32

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -251.741+/-0.127 χ^2/NDF: 163993.1/36

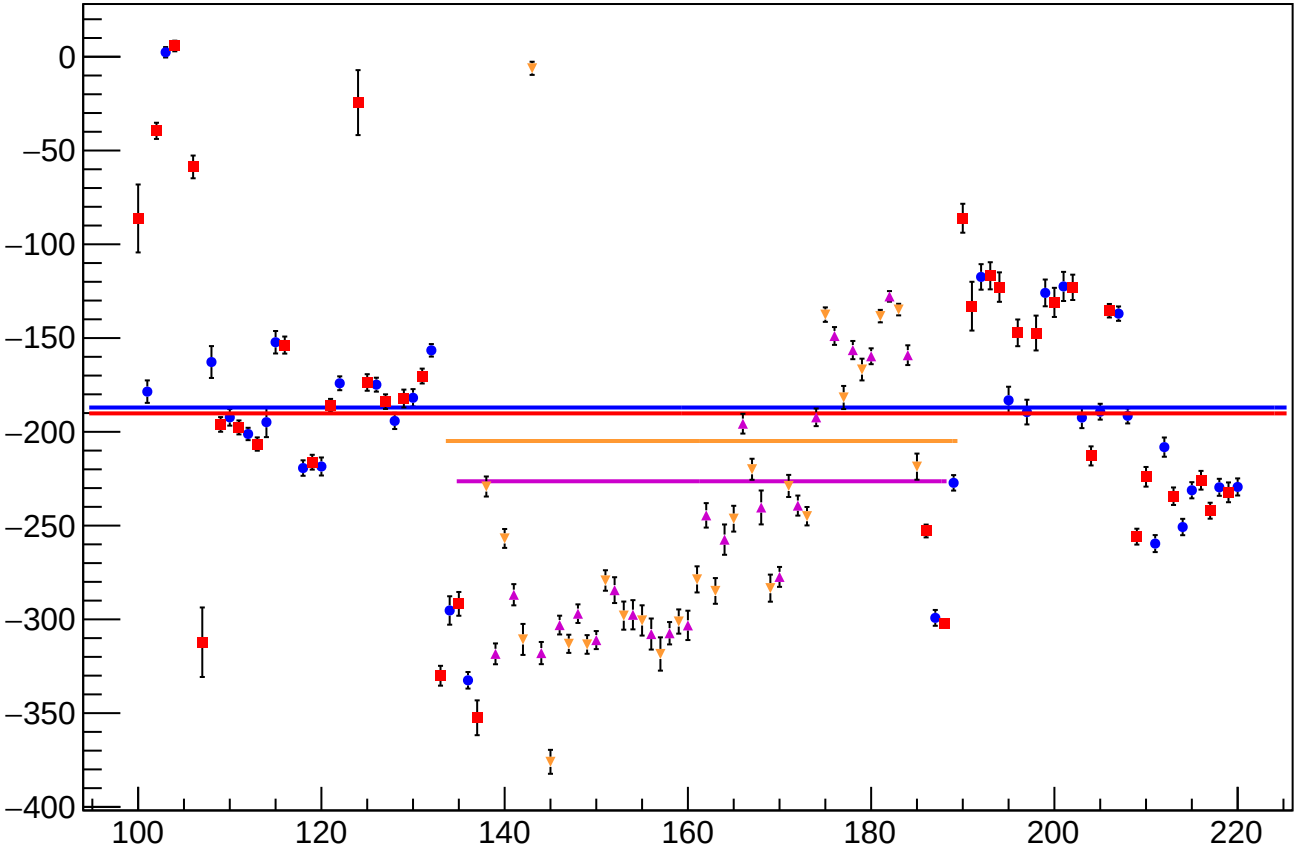
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -257.338+/-0.066 χ^2/NDF: 251359.7/57

All: -255.294+/-0.047 χ^2/NDF: 441512.0/117

- sign -253.253+/-0.066 χ^2/NDF: 188263.1/59

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -187.031+/-0.794 χ^2/NDF: 8197.4/32

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -190.169+/-0.764 χ^2/NDF: 12308.2/36

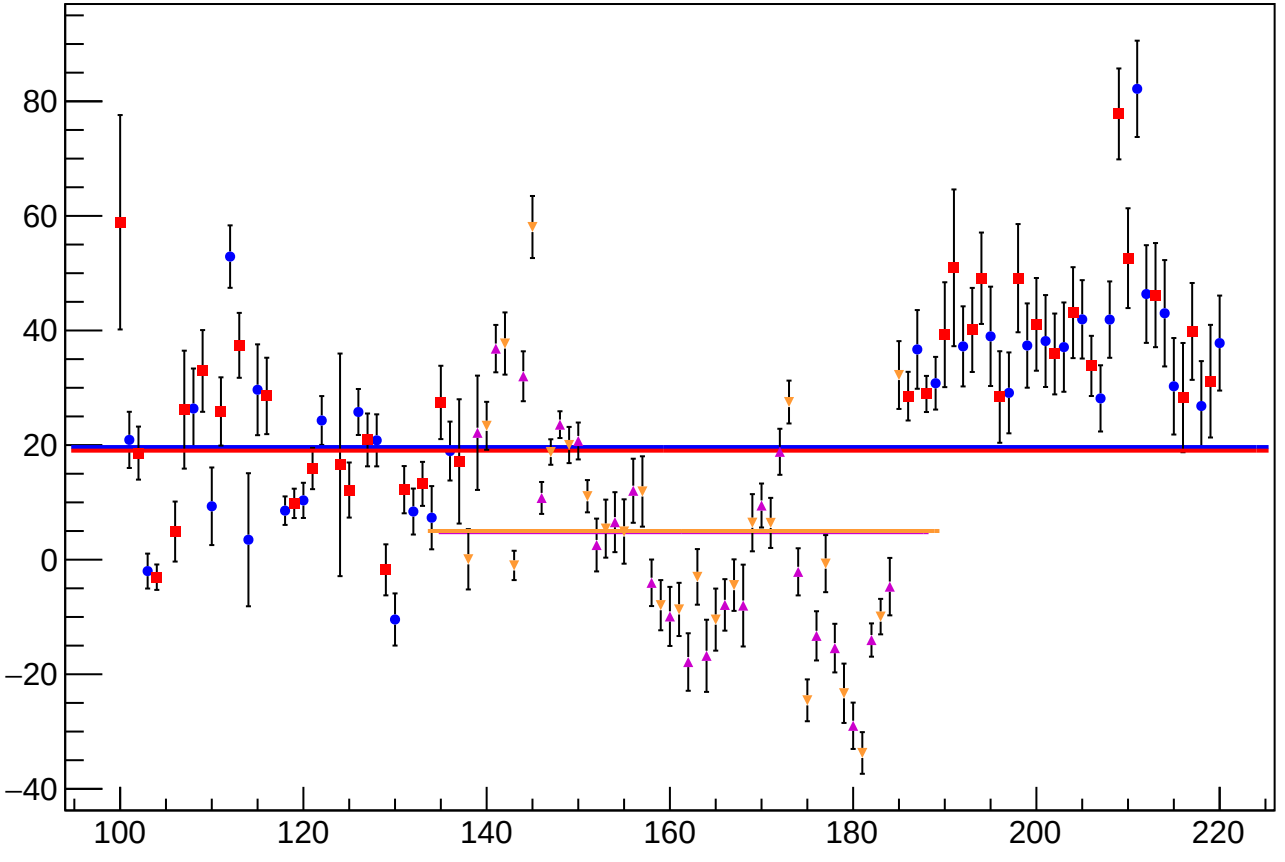
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -193.516+/-0.634 χ^2/NDF: 16207.2/57

All: -197.732+/-0.446 χ^2/NDF: 33548.2/117

- sign -201.876+/-0.628 χ^2/NDF: 17253.2/59

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 19.657+/-0.915 χ^2/NDF: 327.6/32

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 19.028+/-0.867 χ^2/NDF: 350.3/36

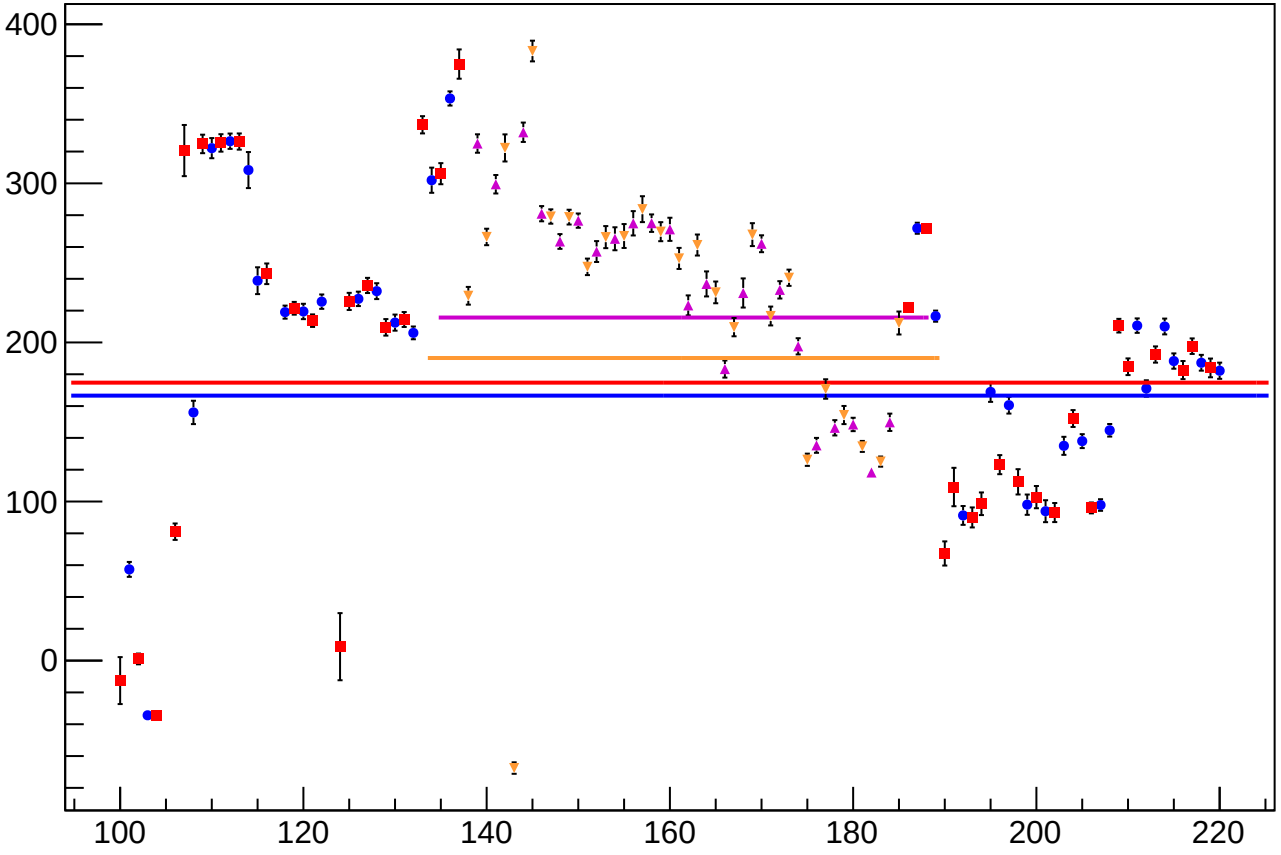
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

\+ sign 11.292+/-0.599 χ^2/NDF: 1022.4/57

All: 11.516+/-0.426 χ^2/NDF: 1937.2/117

\- sign 11.744+/-0.606 χ^2/NDF: 914.5/59

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 166.564+/-0.805 χ^2/NDF: 16171.0/32

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 174.727+/-0.753 χ^2/NDF: 21491.8/36

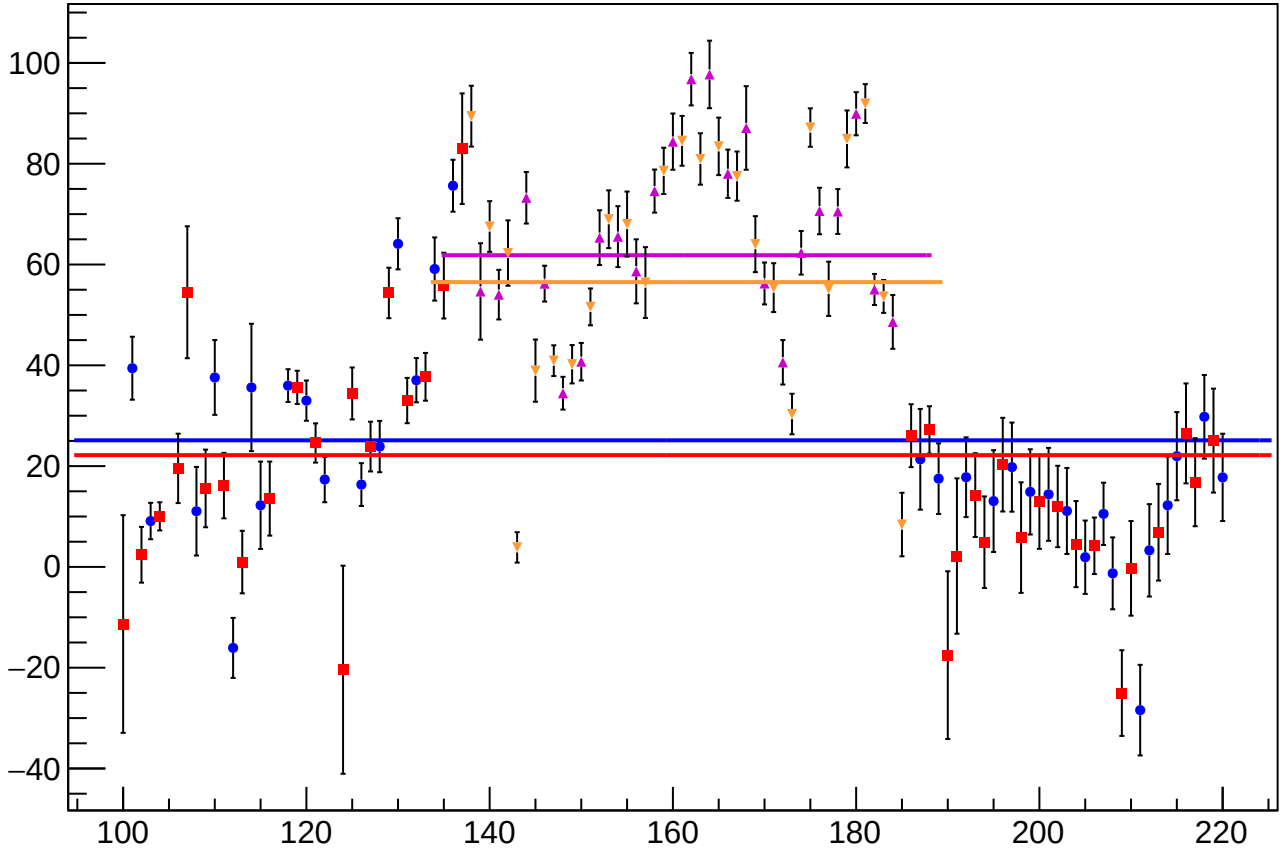
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 175.322+/-0.639 χ^2/NDF: 25874.6/57

All: 181.743+/-0.445 χ^2/NDF: 52393.4/117

- sign 187.811+/-0.621 χ^2/NDF: 26322.3/59

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 25.118+/-1.063 χ^2/NDF: 378.4/32

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 22.175+/-1.028 χ^2/NDF: 269.8/36

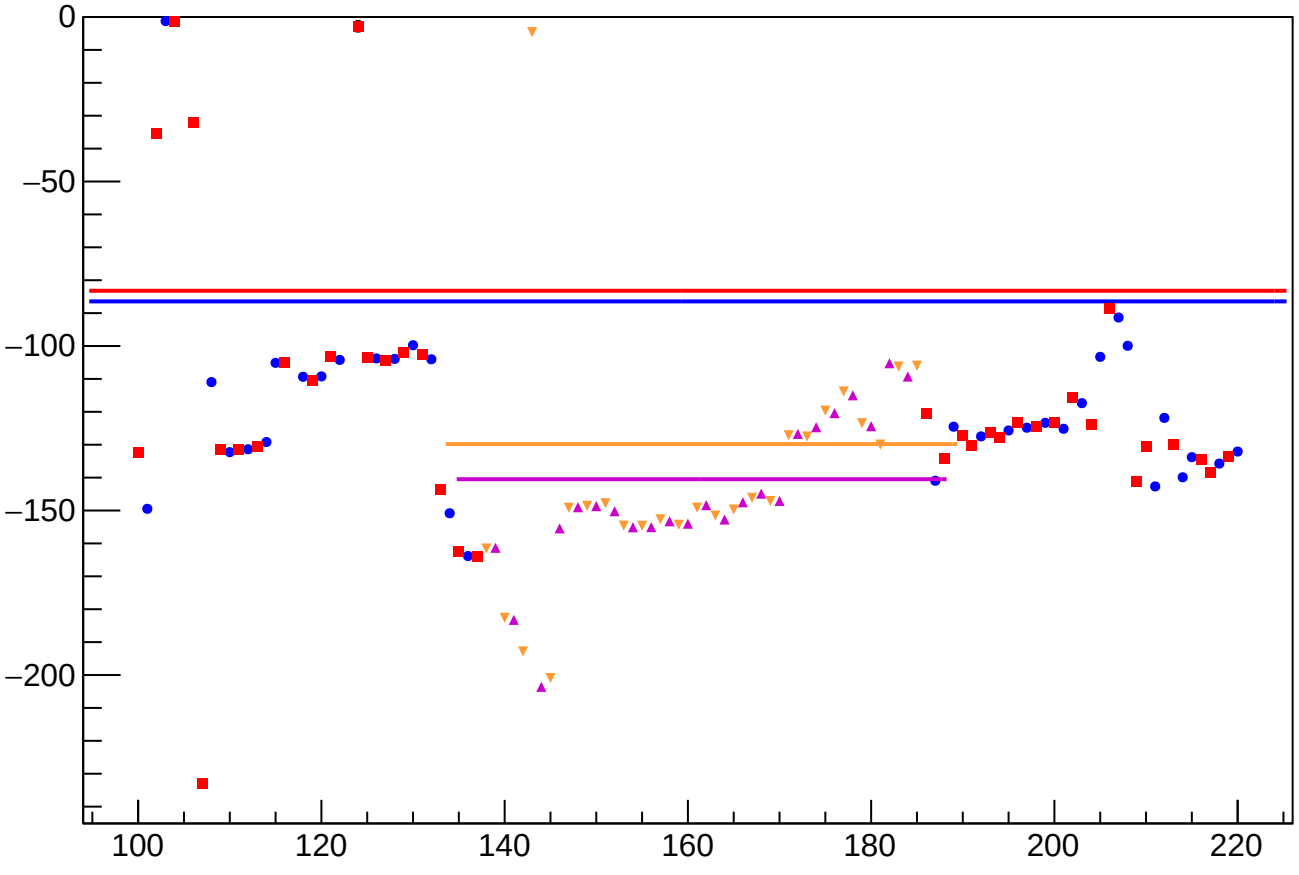
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 43.258+/-0.691 χ^2/NDF: 1680.9/57

All: 43.300+/-0.493 χ^2/NDF: 3065.8/117

- sign 43.343+/-0.702 χ^2/NDF: 1384.8/59

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -86.434+/-0.050 χ^2/NDF: 1369651.9/32

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -83.209+/-0.048 χ^2/NDF: 1329965.1/36

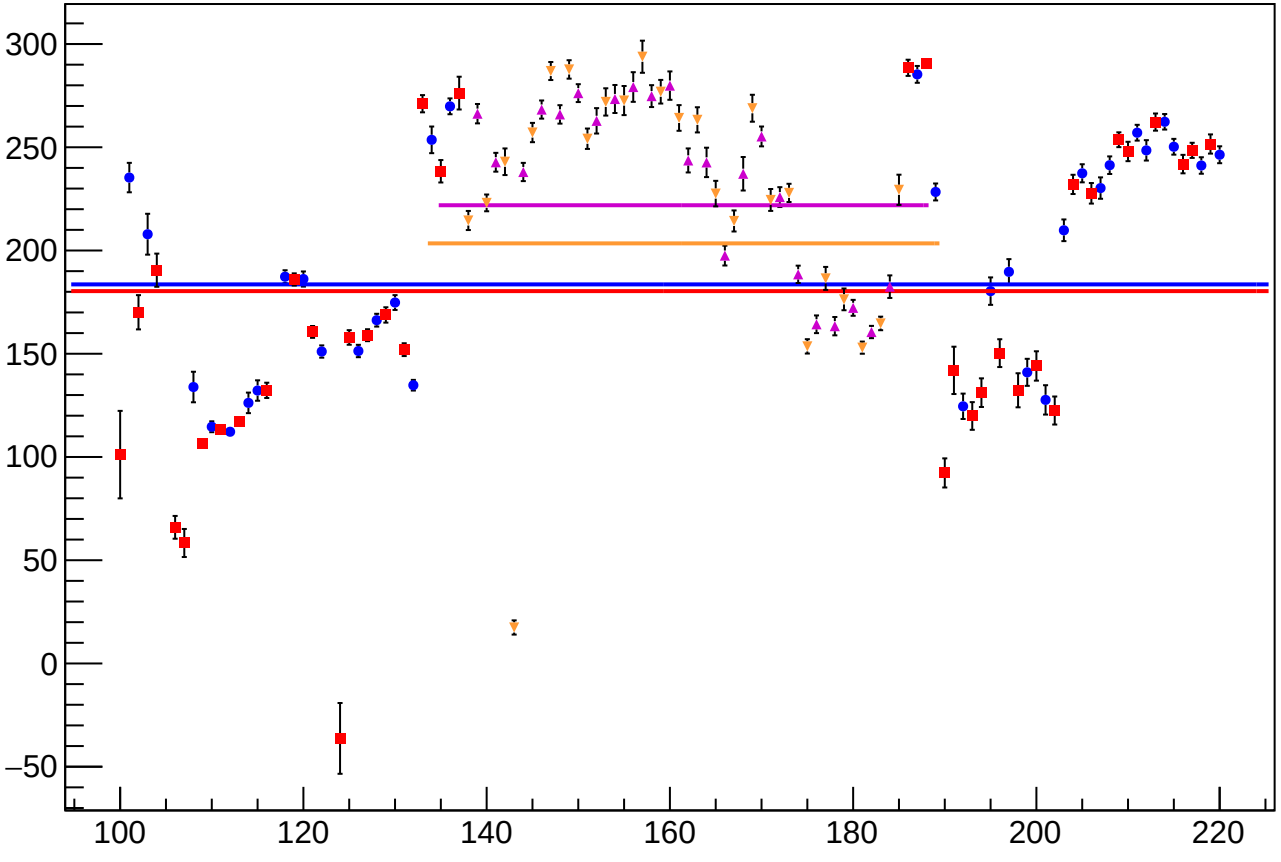
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.584+/-0.032 χ^2/NDF: 2839474.9/57

All: -113.137+/-0.023 χ^2/NDF: 5202439.5/11

- sign -114.718+/-0.032 χ^2/NDF: 2358245.2/59

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 183.592+/-0.688 χ^2/NDF: 6539.9/32

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 180.332+/-0.655 χ^2/NDF: 10543.5/36

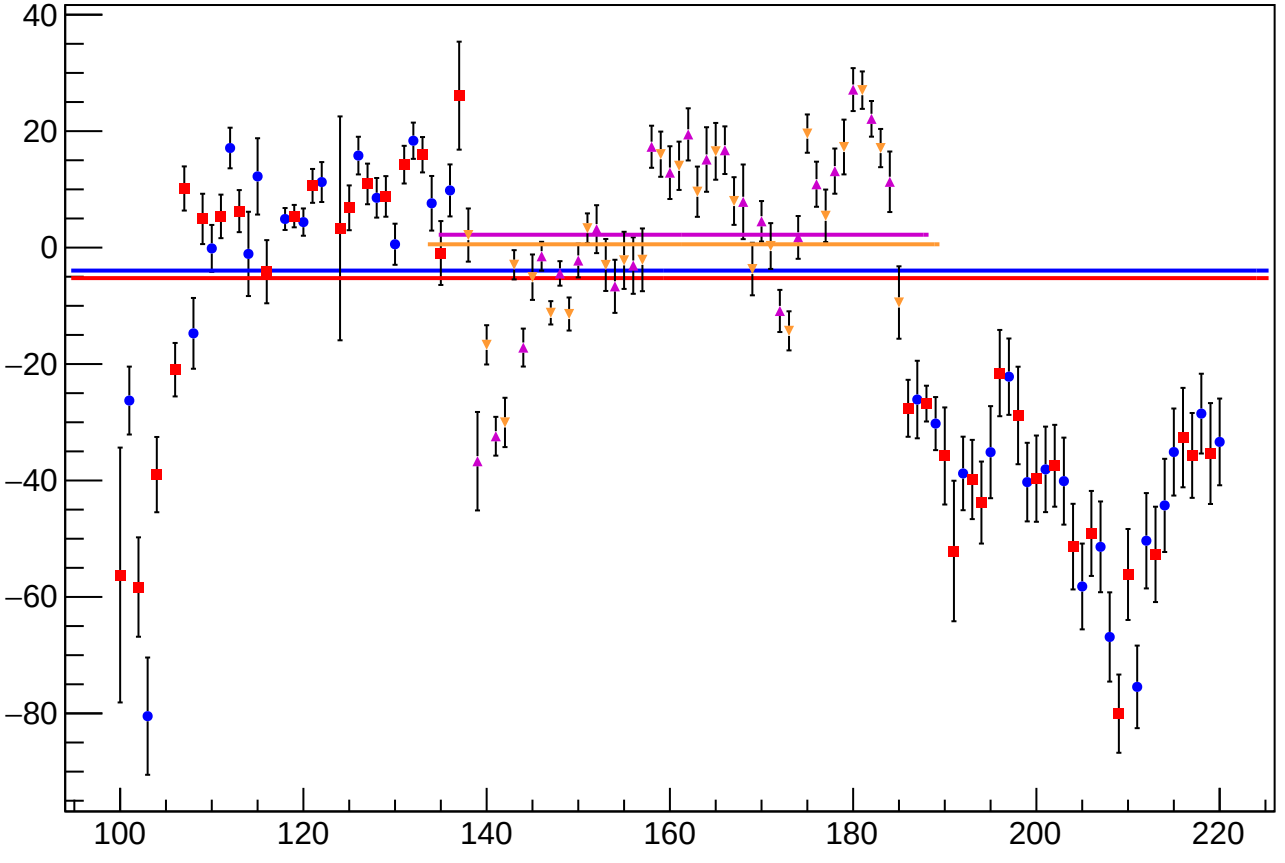
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 190.394+/-0.558 χ^2/NDF: 12317.0/57

All: 191.607+/-0.391 χ^2/NDF: 26061.5/117

- sign 192.780+/-0.549 χ^2/NDF: 13735.2/59

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: -3.948+/-0.787 χ^2/NDF: 828.6/32

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -5.241+/-0.771 χ^2/NDF: 853.3/36

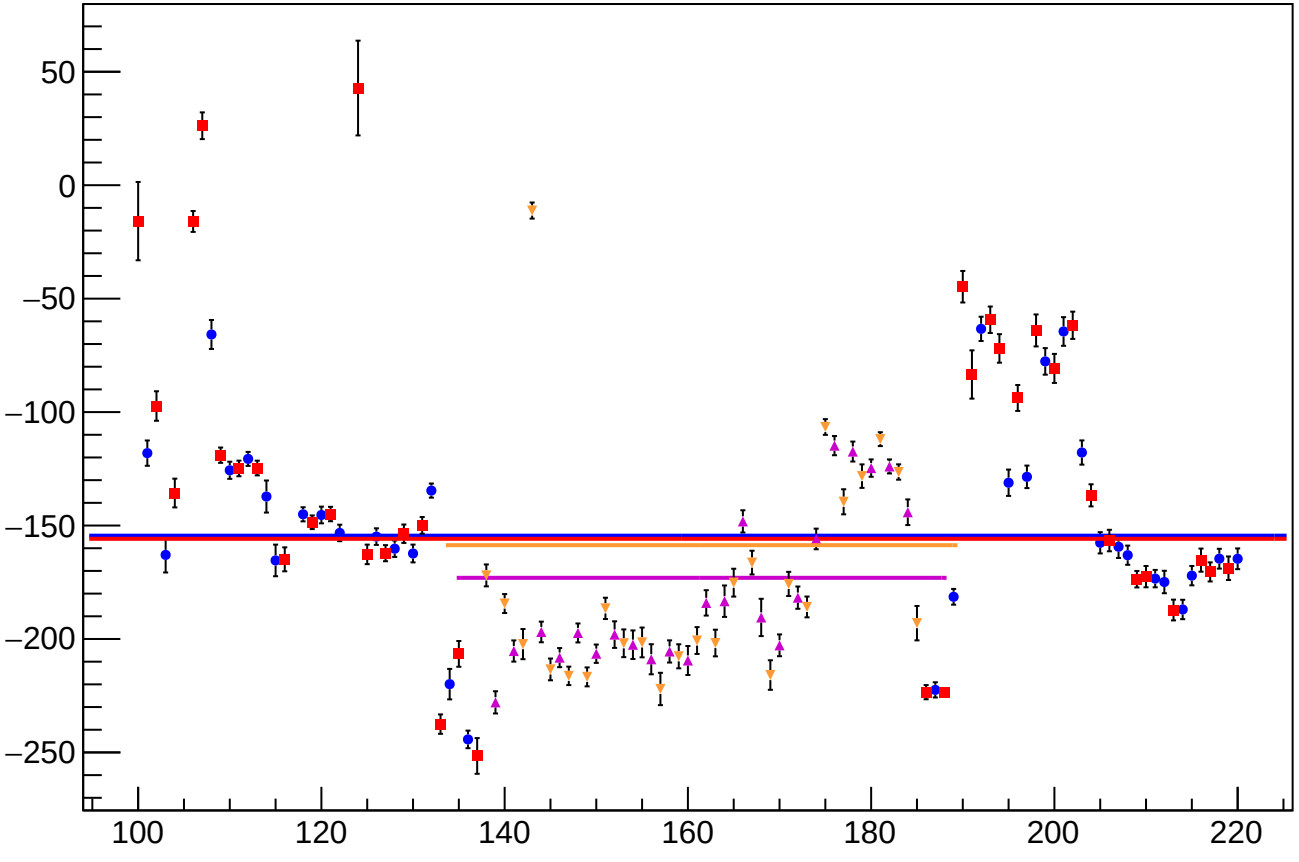
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign -1.476+/-0.529 χ^2/NDF: 1192.0/57

All: -1.470+/-0.378 χ^2/NDF: 2450.9/117

- sign -1.463+/-0.541 χ^2/NDF: 1258.9/59

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -154.463+/-0.750 χ^2/NDF: 2478.9/32

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -155.848+/-0.705 χ^2/NDF: 6536.4/36

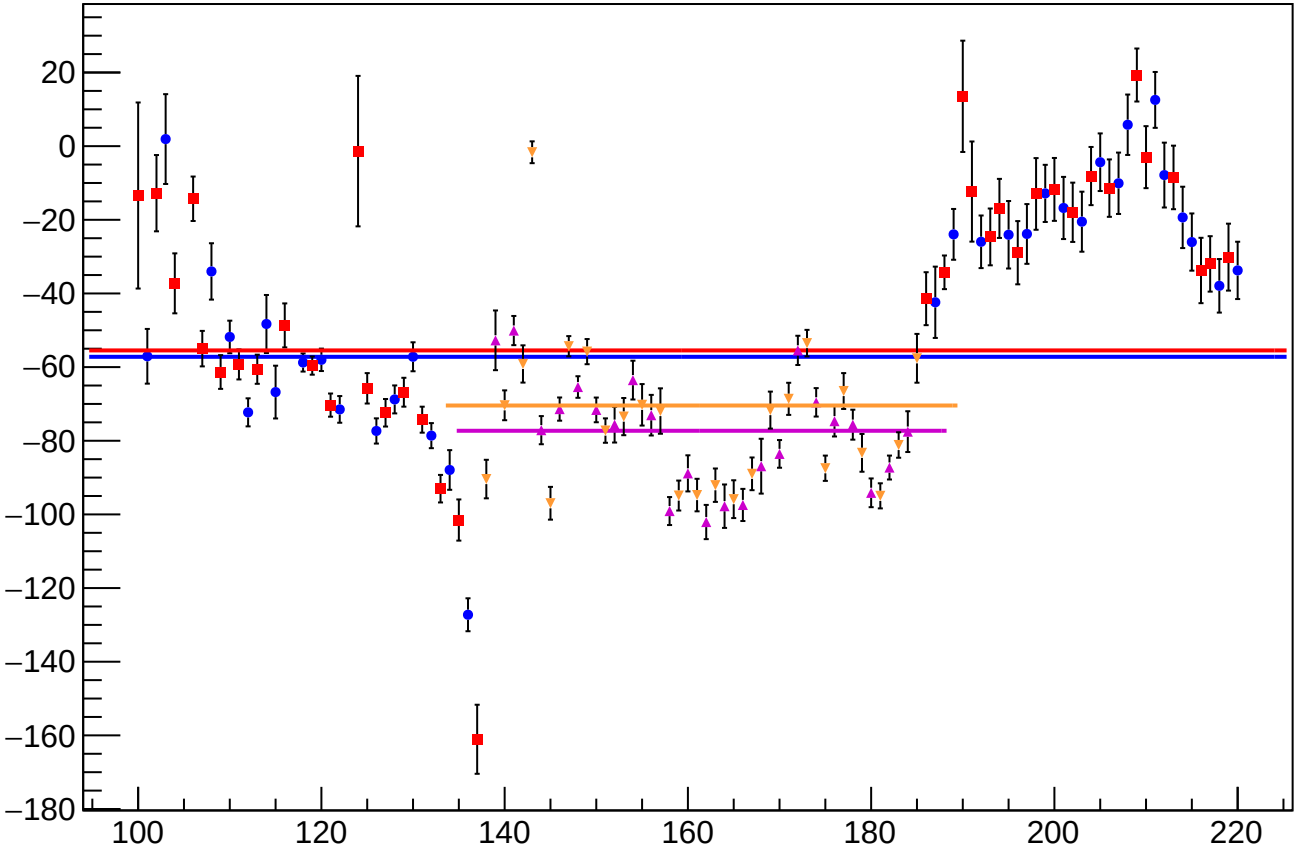
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -156.072+/-0.589 χ^2/NDF: 5982.7/57

All: -158.895+/-0.411 χ^2/NDF: 14162.6/117

- sign -161.589+/-0.575 χ^2/NDF: 8135.0/59

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -57.204+/-0.912 χ^2/NDF: 886.2/32

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -55.467+/-0.899 χ^2/NDF: 907.6/36

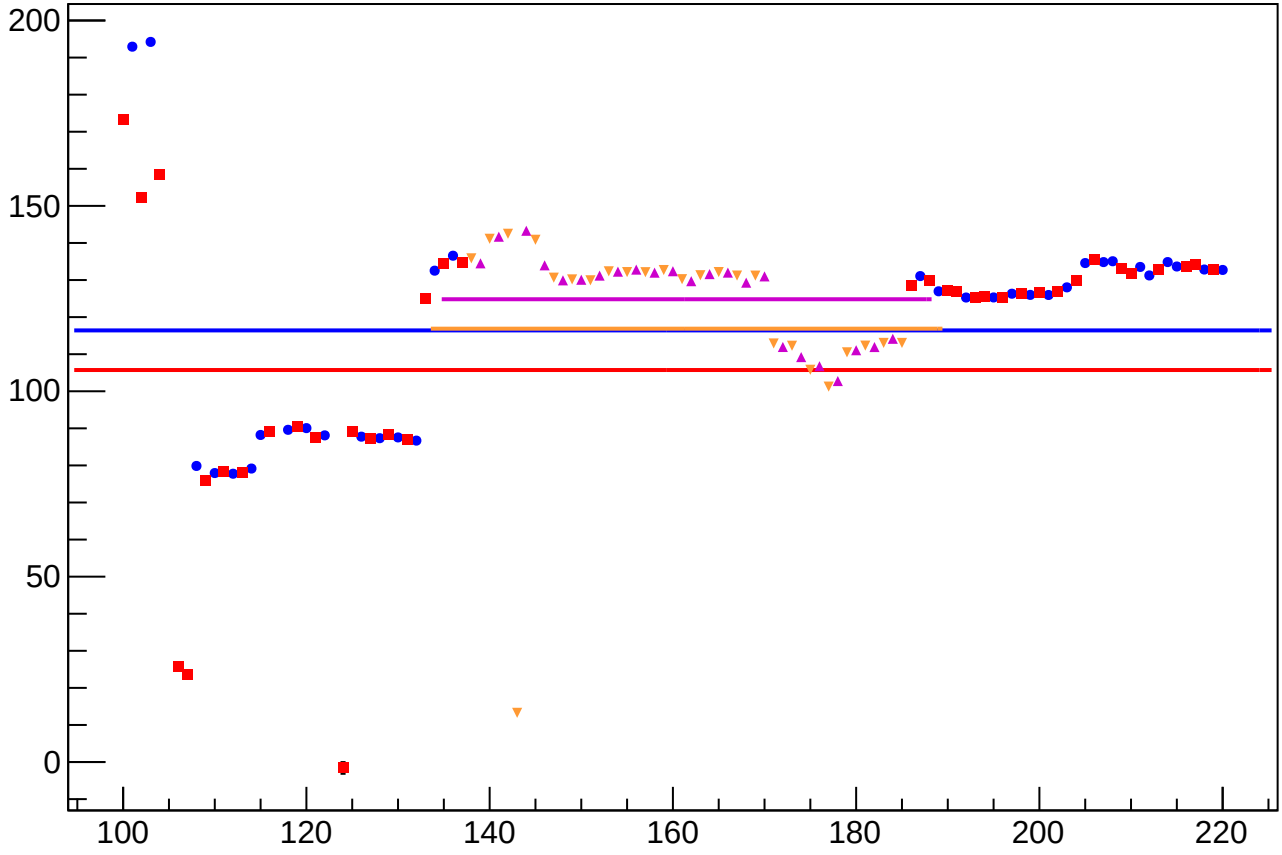
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -64.503+/-0.610 χ^2/NDF: 1903.9/57

All: -65.619+/-0.436 χ^2/NDF: 3378.5/117

- sign -66.784+/-0.623 χ^2/NDF: 1467.7/59

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 116.415+/-0.052 χ^2/NDF: 292270.3/32

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 105.730+/-0.049 χ^2/NDF: 547640.8/36

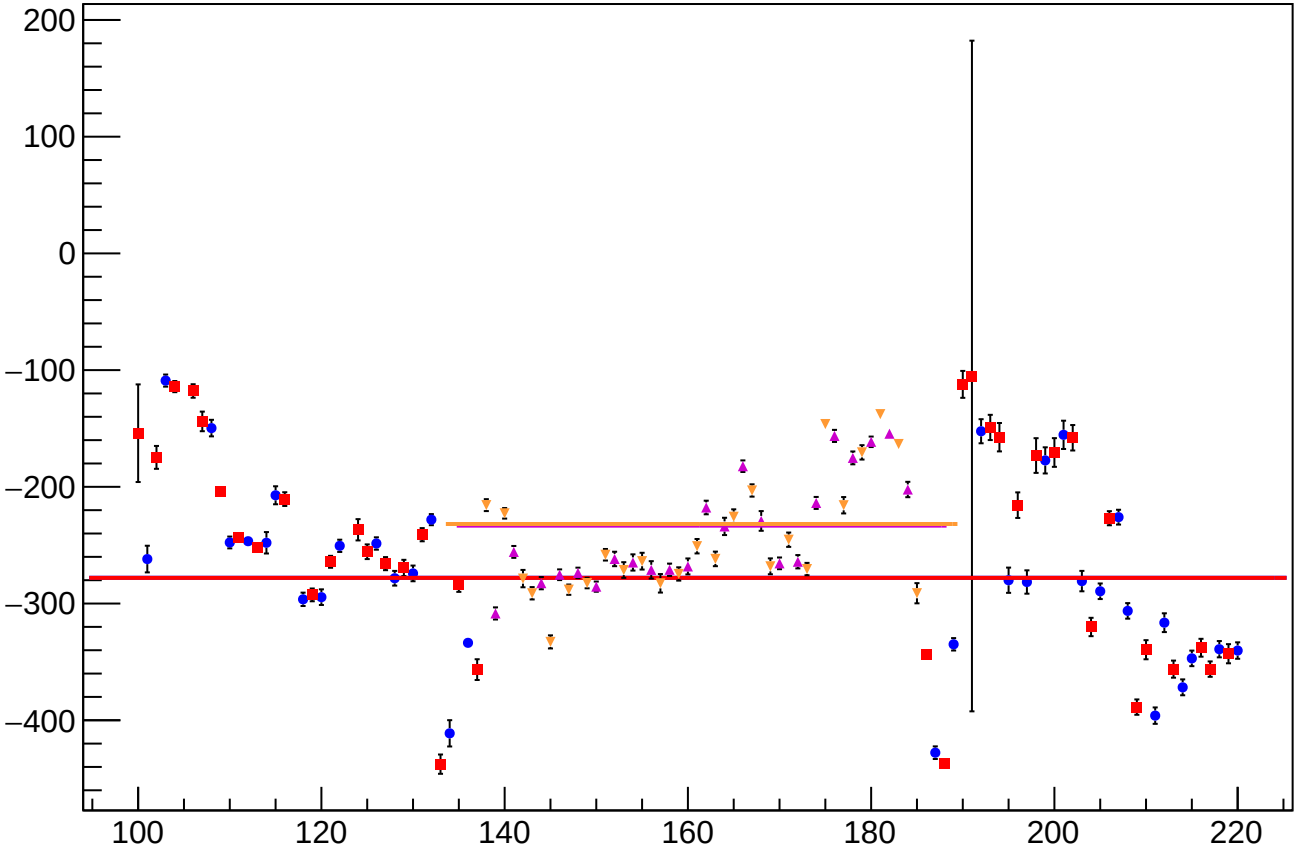
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 116.718+/-0.031 χ^2/NDF: 915432.5/57

All: 117.031+/-0.022 χ^2/NDF: 1643672.1/117

- sign 117.342+/-0.031 χ^2/NDF: 728033.3/59

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -277.910+/-1.119 χ^2/NDF: 4149.7/32

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -278.007+/-1.026 χ^2/NDF: 8317.7/36

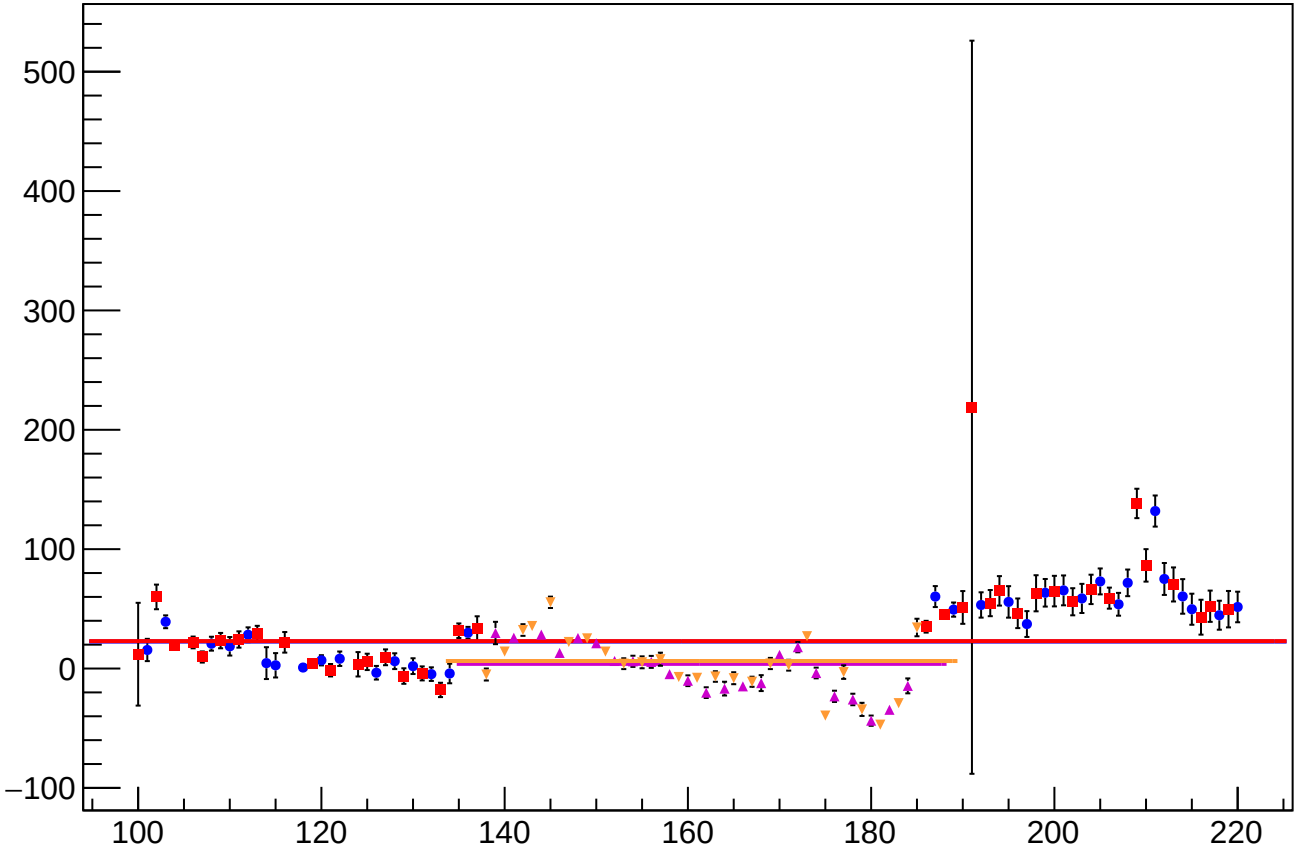
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -254.069+/-0.777 χ^2/NDF: 7703.7/57

All: -255.755+/-0.541 χ^2/NDF: 18975.8/117

- sign -257.337+/-0.753 χ^2/NDF: 11263.1/59

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 22.596+/-1.280 χ^2/NDF: 393.4/32

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 22.966+/-1.167 χ^2/NDF: 429.4/36

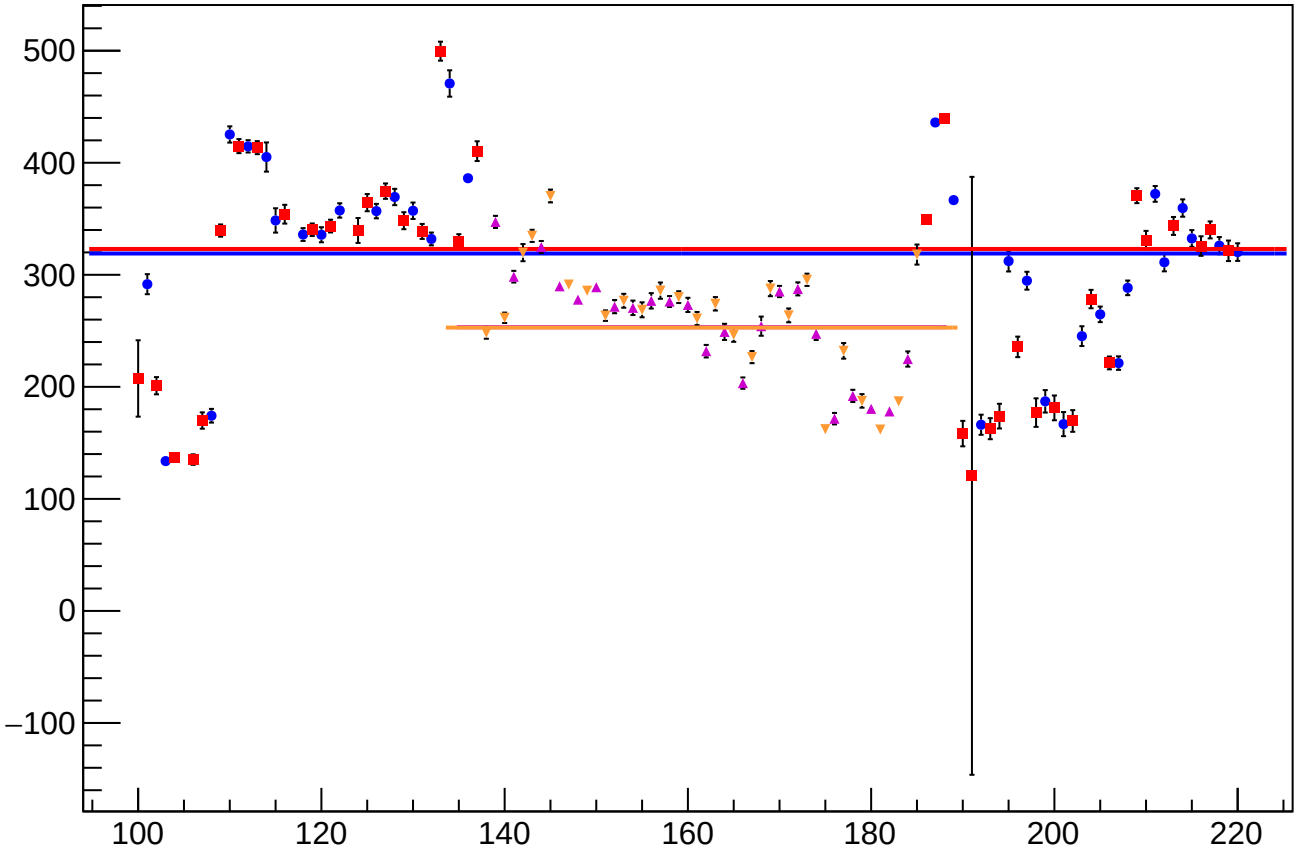
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 10.777+/-0.672 χ^2/NDF: 1382.5/57

All: 10.481+/-0.474 χ^2/NDF: 2641.3/117

- sign 10.187+/-0.670 χ^2/NDF: 1258.5/59

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 319.011+/-1.159 χ^2/NDF: 5778.5/32

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 323.067+/-1.030 χ^2/NDF: 10158.8/36

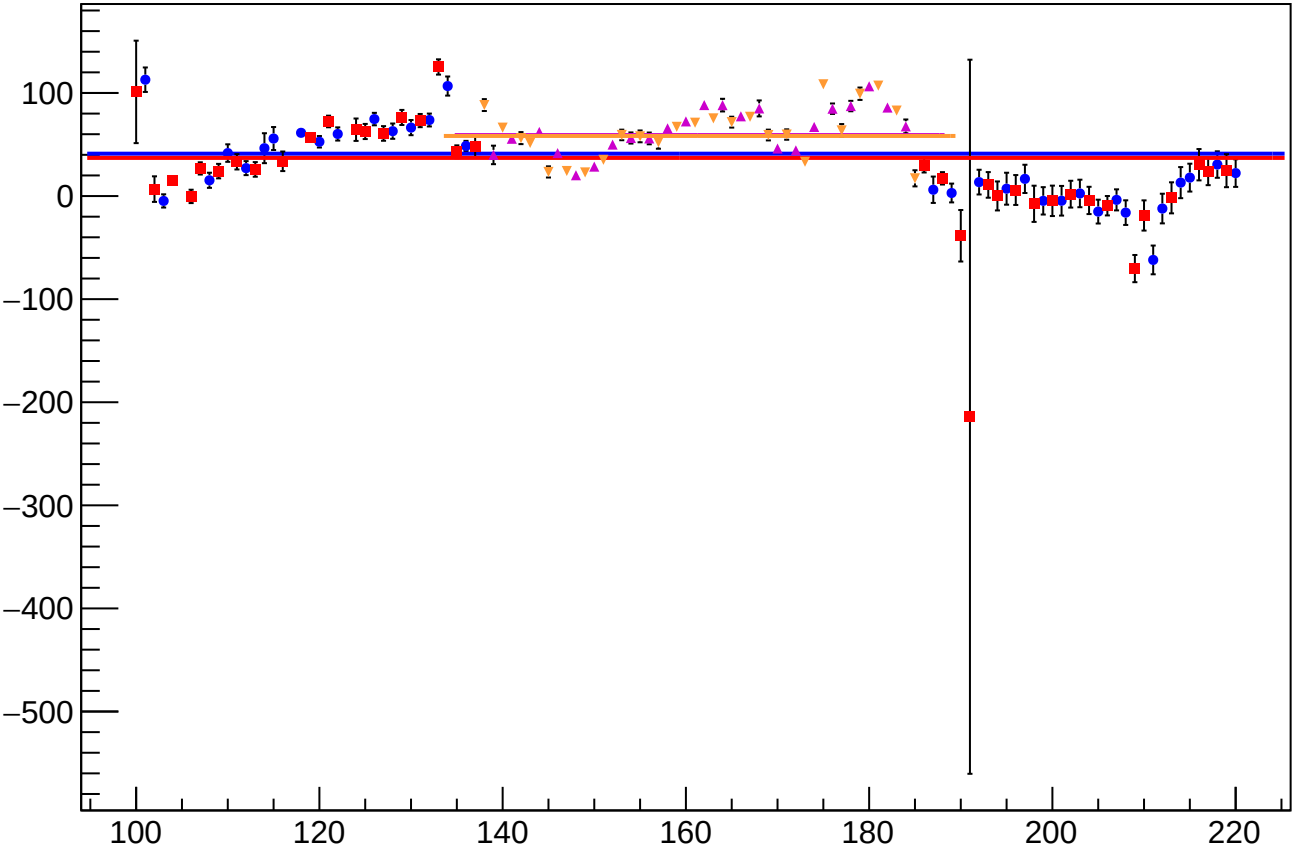
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

+ sign 283.336+/-0.786 χ^2/NDF: 10114.7/57

All: 286.957+/-0.543 χ^2/NDF: 24534.5/117

- sign 290.248+/-0.750 χ^2/NDF: 14379.3/59

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 41.111+/-1.486 χ^2/NDF: 482.1/32

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 37.008+/-1.390 χ^2/NDF: 544.4/36

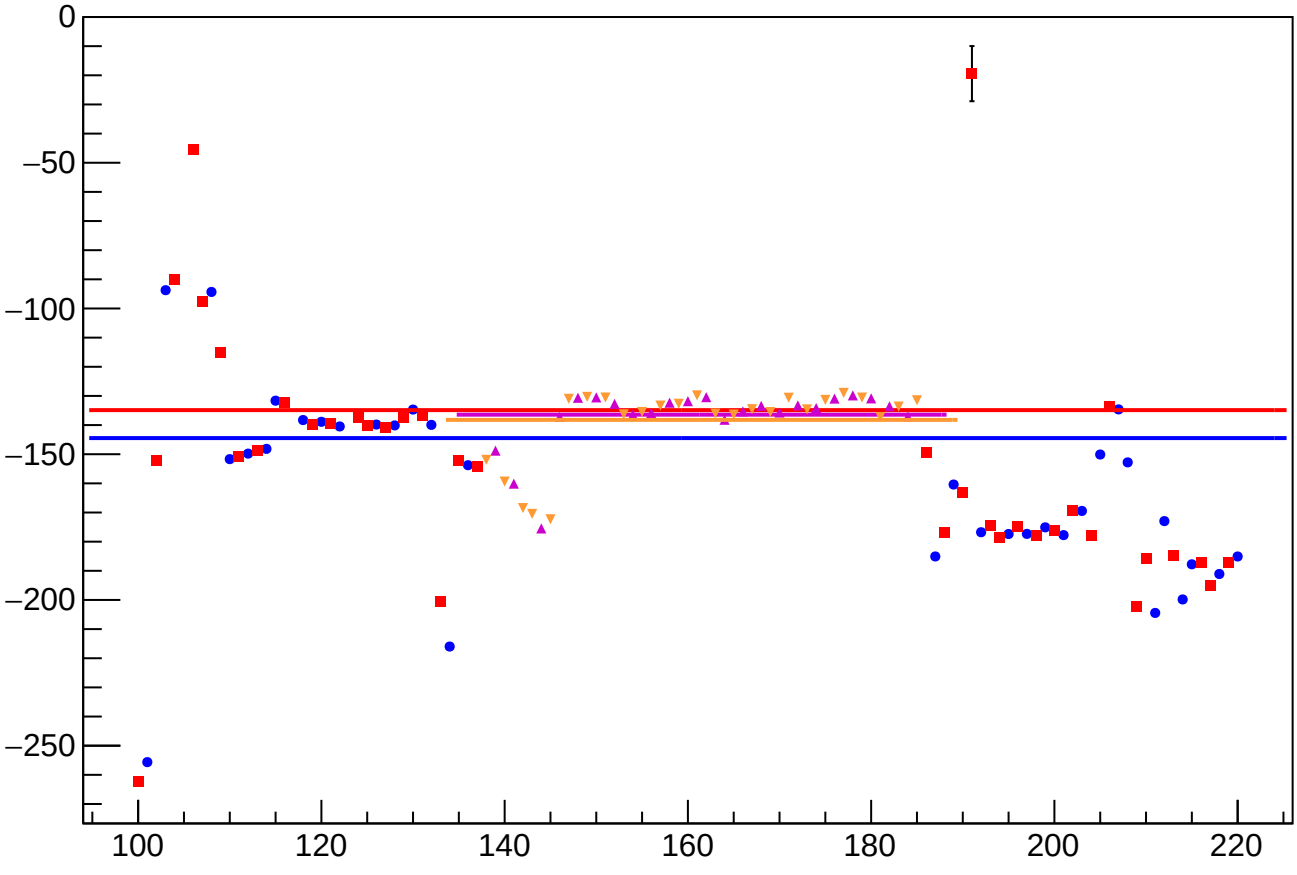
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 53.606+/-0.777 χ^2/NDF: 1429.6/57

All: 52.913+/-0.550 χ^2/NDF: 2782.4/117

- sign 52.218+/-0.778 χ^2/NDF: 1351.2/59

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -144.464+/-0.073 χ^2/NDF: 262135.6/32

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -134.872+/-0.070 χ^2/NDF: 369032.7/36

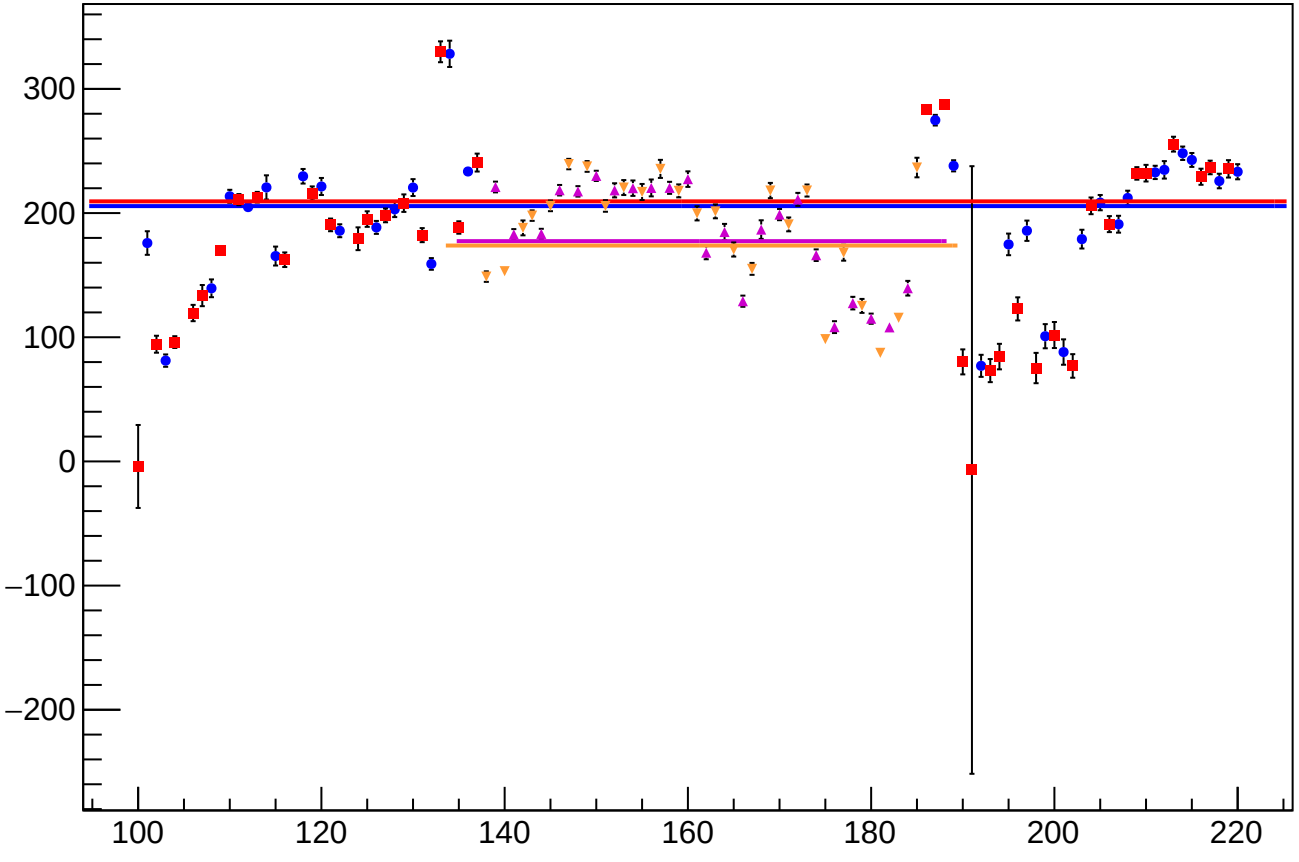
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -139.797+/-0.037 χ^2/NDF: 349426.7/57

All: -137.886+/-0.026 χ^2/NDF: 773990.4/117

- sign -136.001+/-0.036 χ^2/NDF: 419188.5/59

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 205.611+/-1.030 χ^2/NDF: 2089.6/32

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 209.435+/-0.946 χ^2/NDF: 4358.8/36

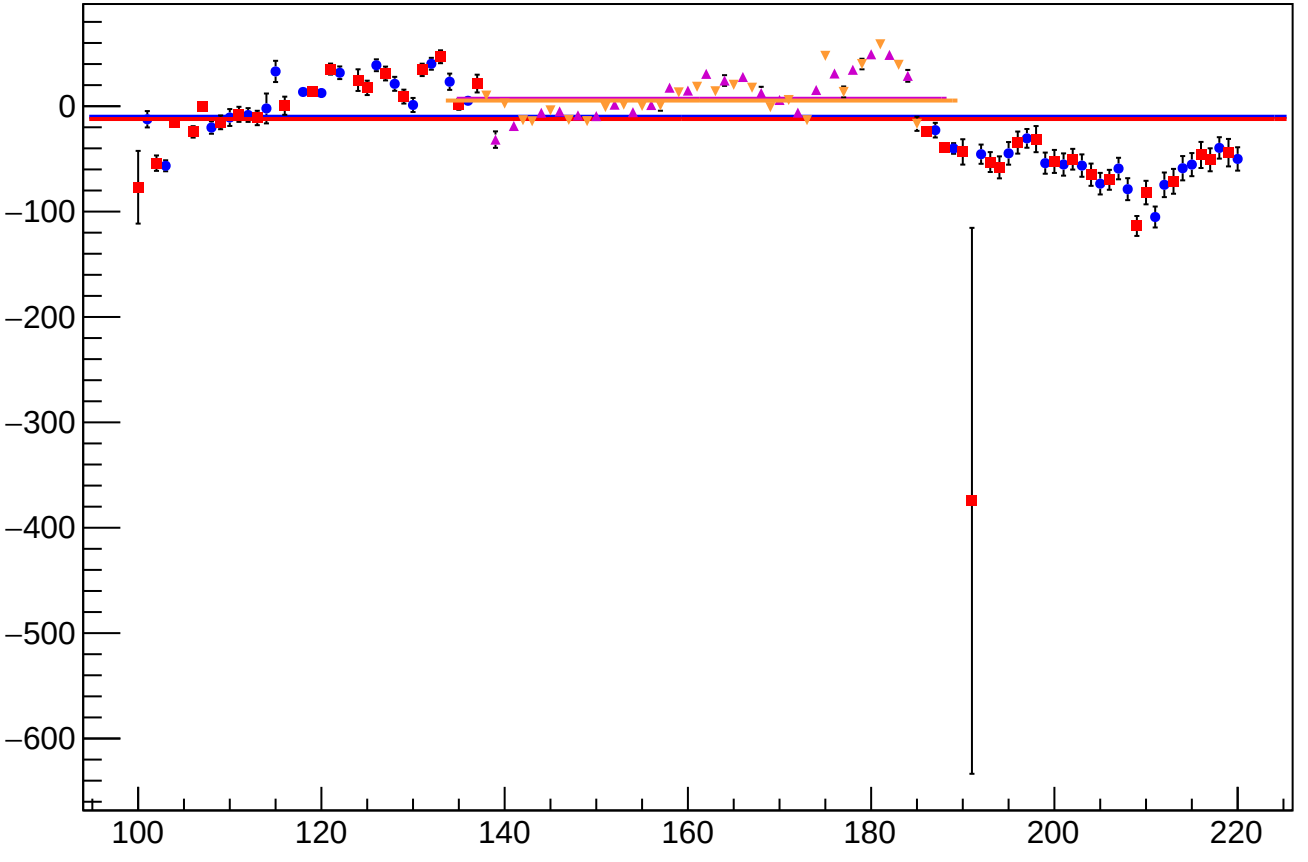
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

\+ sign 188.649+/-0.703 χ^2/NDF: 5224.4/57

All: 191.509+/-0.491 χ^2/NDF: 12122.2/117

\- sign 194.229+/-0.686 χ^2/NDF: 6865.6/59

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -9.991+/-1.212 χ^2/NDF: 843.2/32

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -12.163+/-1.104 χ^2/NDF: 877.9/36

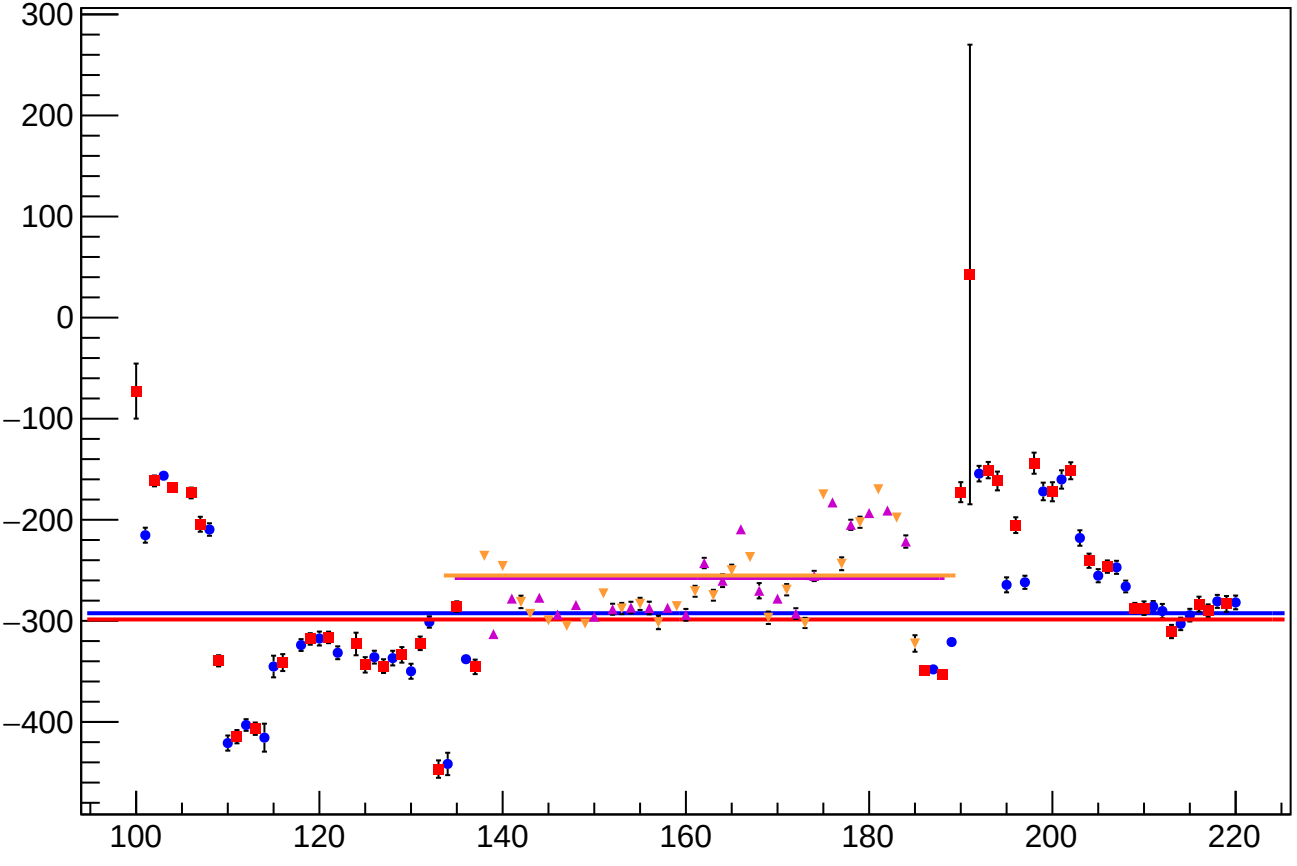
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 1.436+/-0.613 χ^2/NDF: 1772.7/57

All: 1.263+/-0.434 χ^2/NDF: 3569.3/117

- sign 1.088+/-0.616 χ^2/NDF: 1796.5/59

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -292.443+/-1.048 χ^2/NDF: 4112.1/32

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -298.629+/-0.928 χ^2/NDF: 6725.0/36

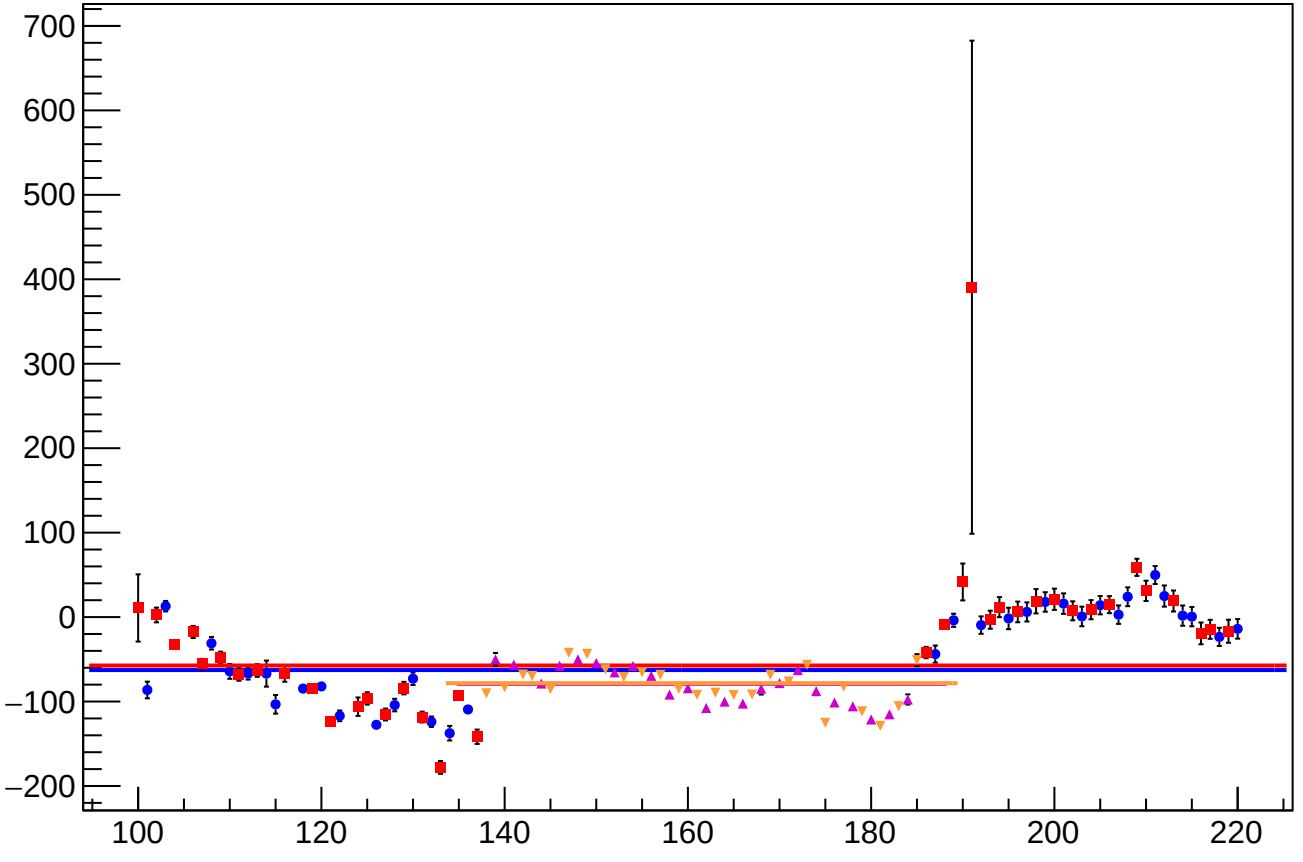
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -272.079+/-0.706 χ^2/NDF: 7149.0/57

All: -275.871+/-0.488 χ^2/NDF: 16656.7/117

- sign -279.337+/-0.675 χ^2/NDF: 9452.6/59

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -62.735+/-1.404 χ^2/NDF: 1413.5/32

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -57.327+/-1.319 χ^2/NDF: 1561.4/36

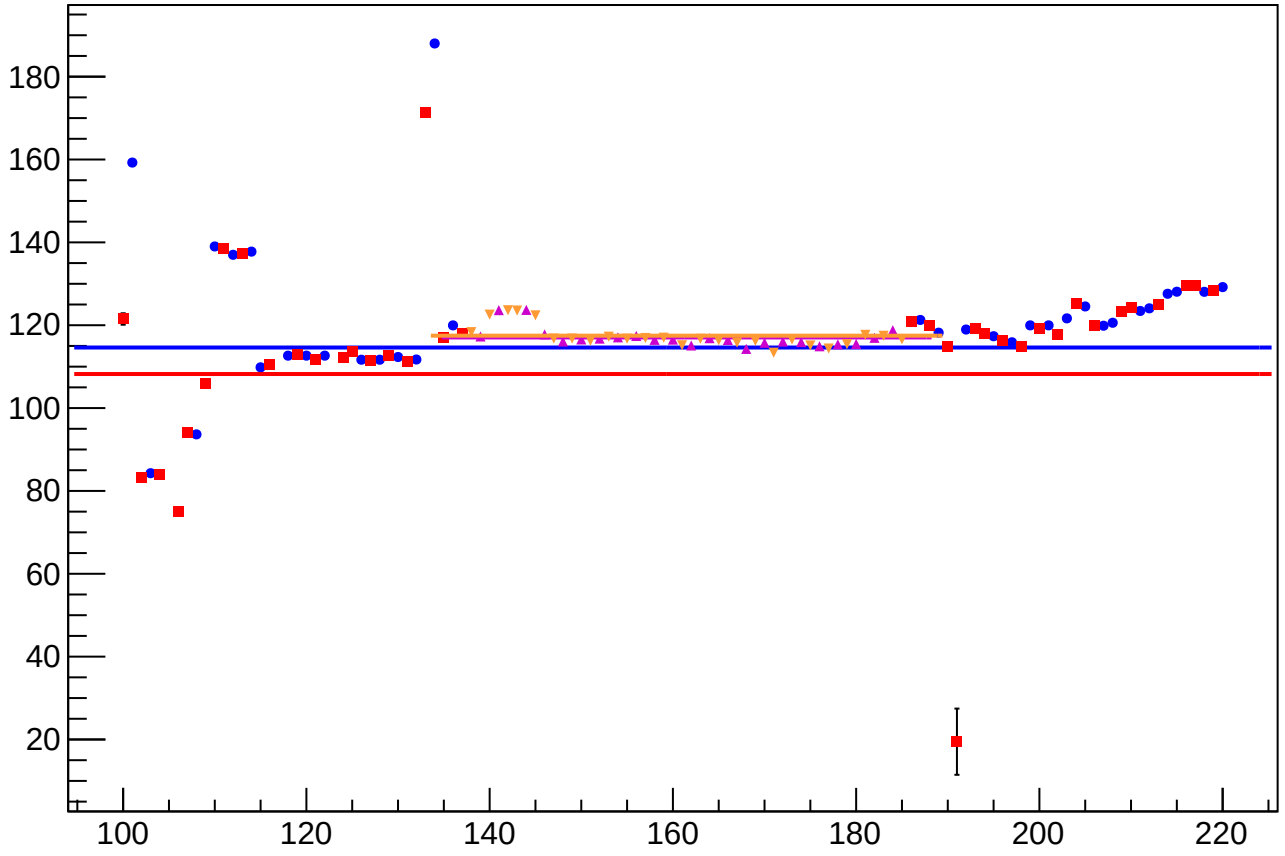
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -74.345+/-0.707 χ^2/NDF: 2373.3/57

All: -73.529+/-0.502 χ^2/NDF: 4832.2/117

- sign -72.697+/-0.714 χ^2/NDF: 2456.2/59

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 114.618+/-0.067 χ^2/NDF: 89987.9/32

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 108.221+/-0.064 χ^2/NDF: 84438.0/36

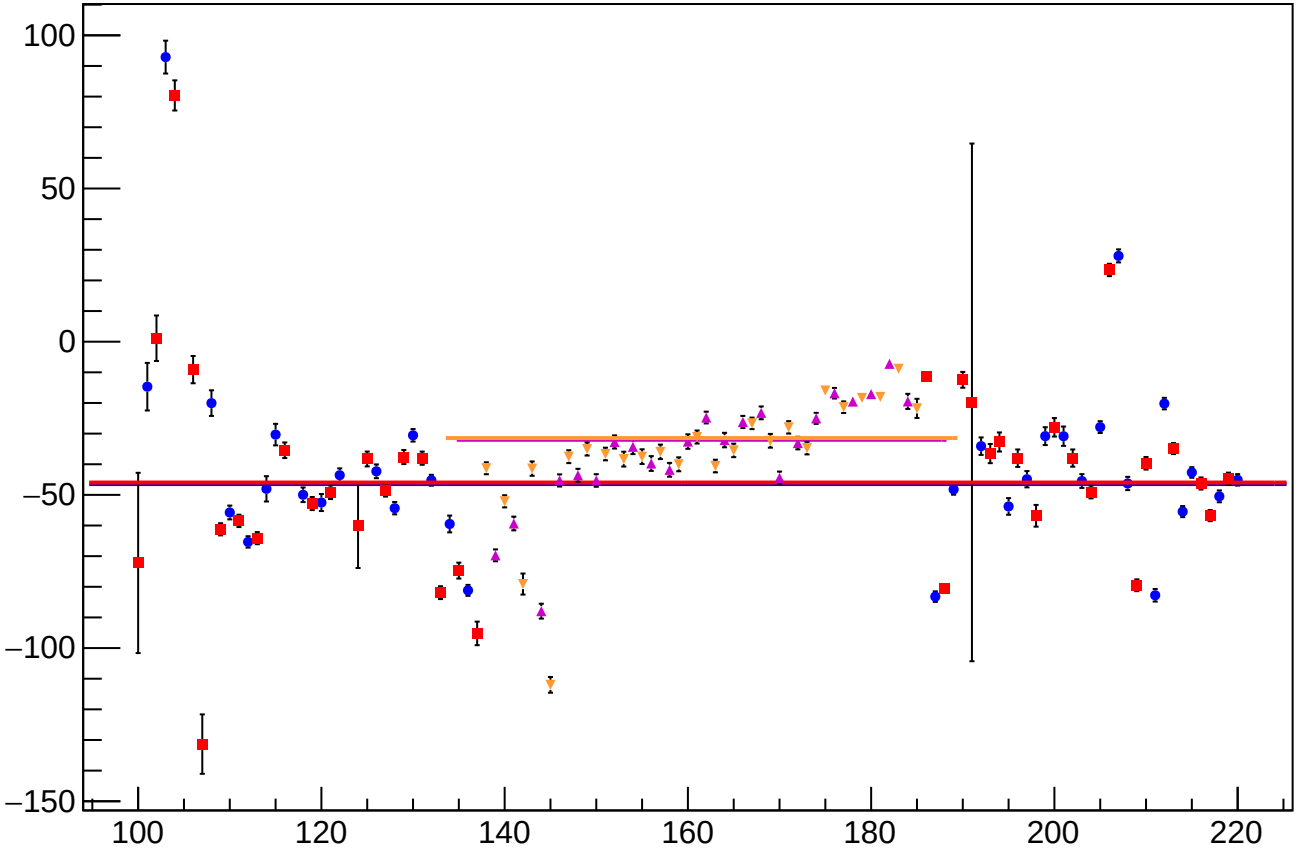
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.782+/-0.033 χ^2/NDF: 96102.5/57

All: 115.726+/-0.023 χ^2/NDF: 199961.9/117

- sign 114.674+/-0.033 χ^2/NDF: 101824.3/59

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -46.468+/-0.390 χ^2/NDF: 3747.7/32

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -45.970+/-0.365 χ^2/NDF: 5779.5/36

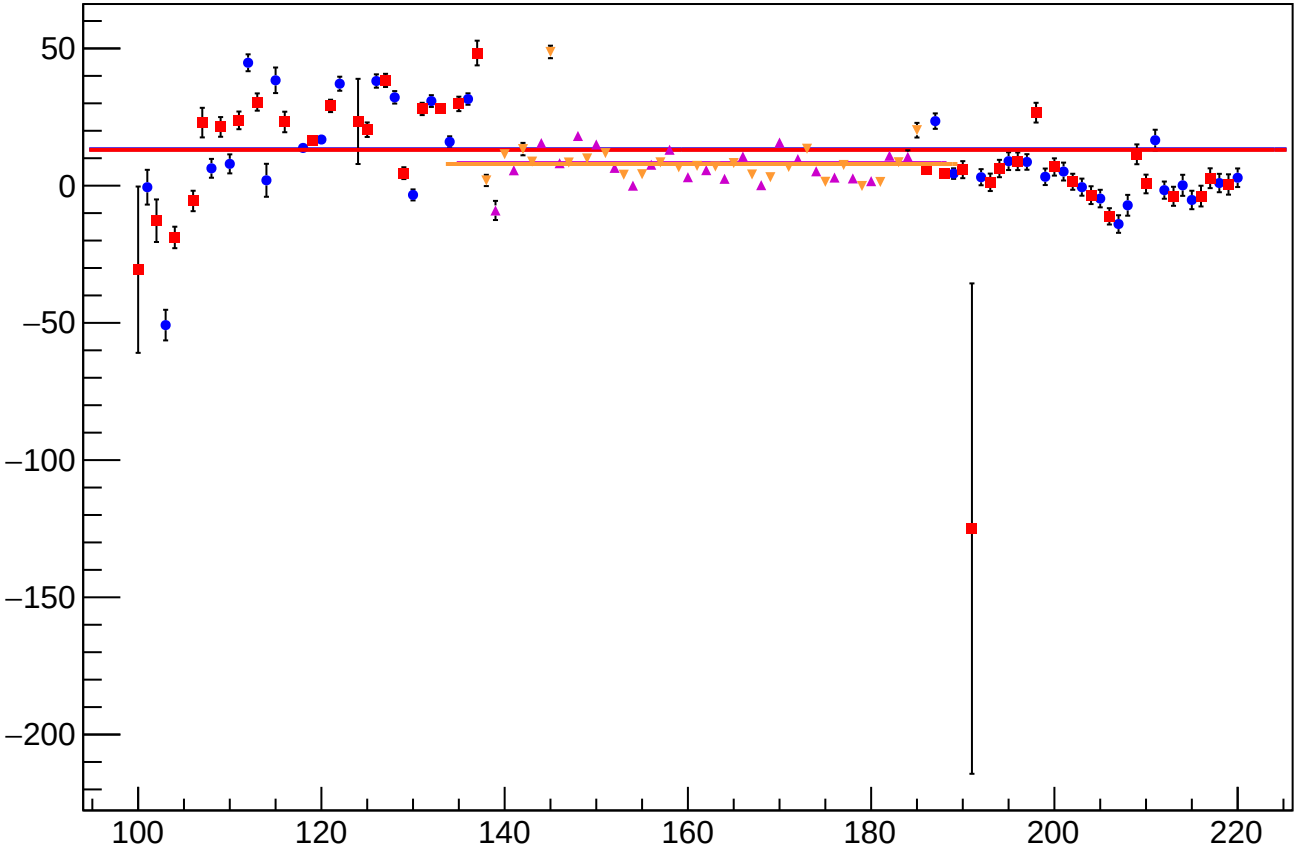
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

\+ sign -39.139+/-0.279 χ^2/NDF: 6465.4/57

All: -39.474+/-0.195 χ^2/NDF: 14809.7/117

\- sign -39.794+/-0.272 χ^2/NDF: 8341.5/59

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 13.254+/-0.473 χ^2/NDF: 1069.0/32

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 13.045+/-0.444 χ^2/NDF: 896.3/36

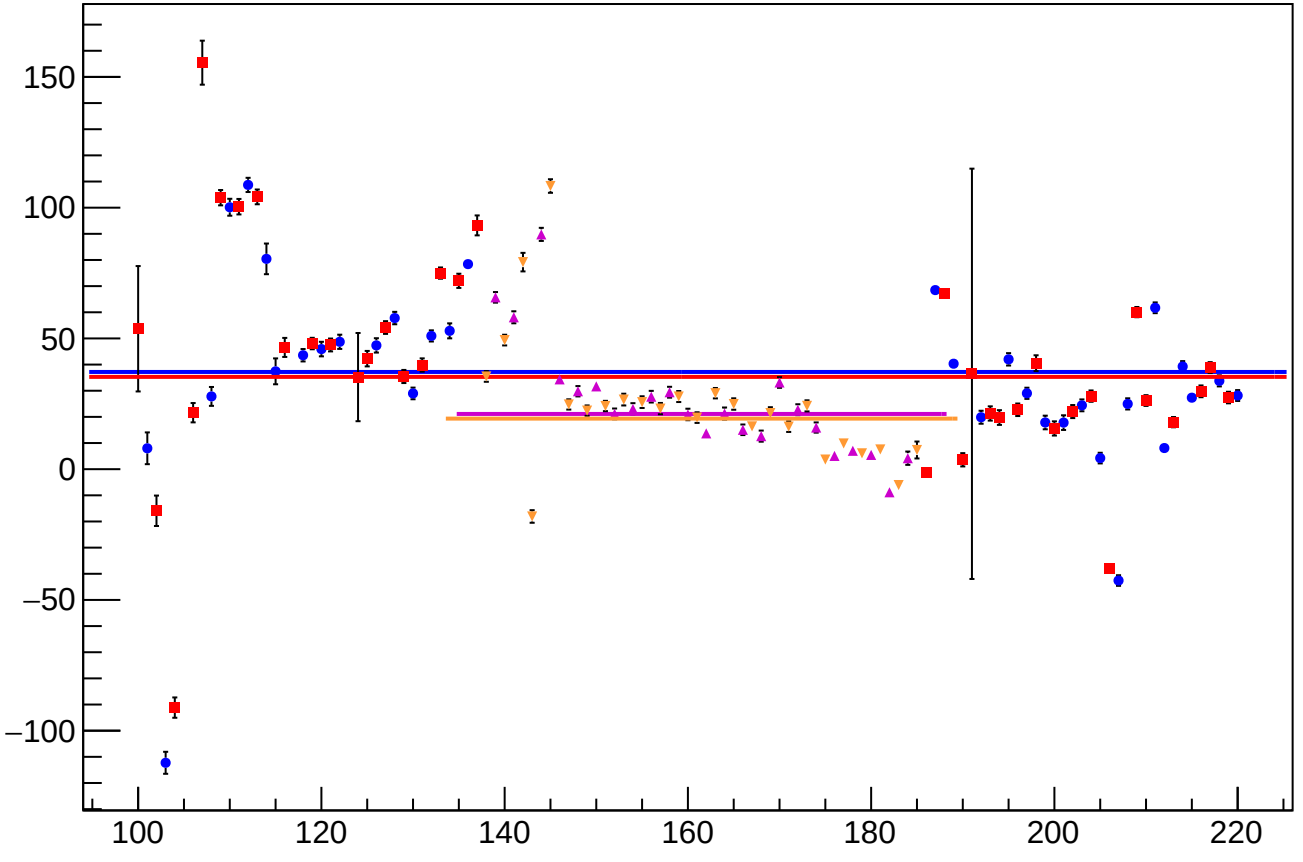
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

+ sign 9.464+/-0.256 χ^2/NDF: 1650.5/57

All: 9.651+/-0.181 χ^2/NDF: 2965.0/117

- sign 9.841+/-0.257 χ^2/NDF: 1313.5/59

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 37.180+/-0.401 χ^2/NDF: 6109.5/32

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 35.296+/-0.357 χ^2/NDF: 9388.5/36

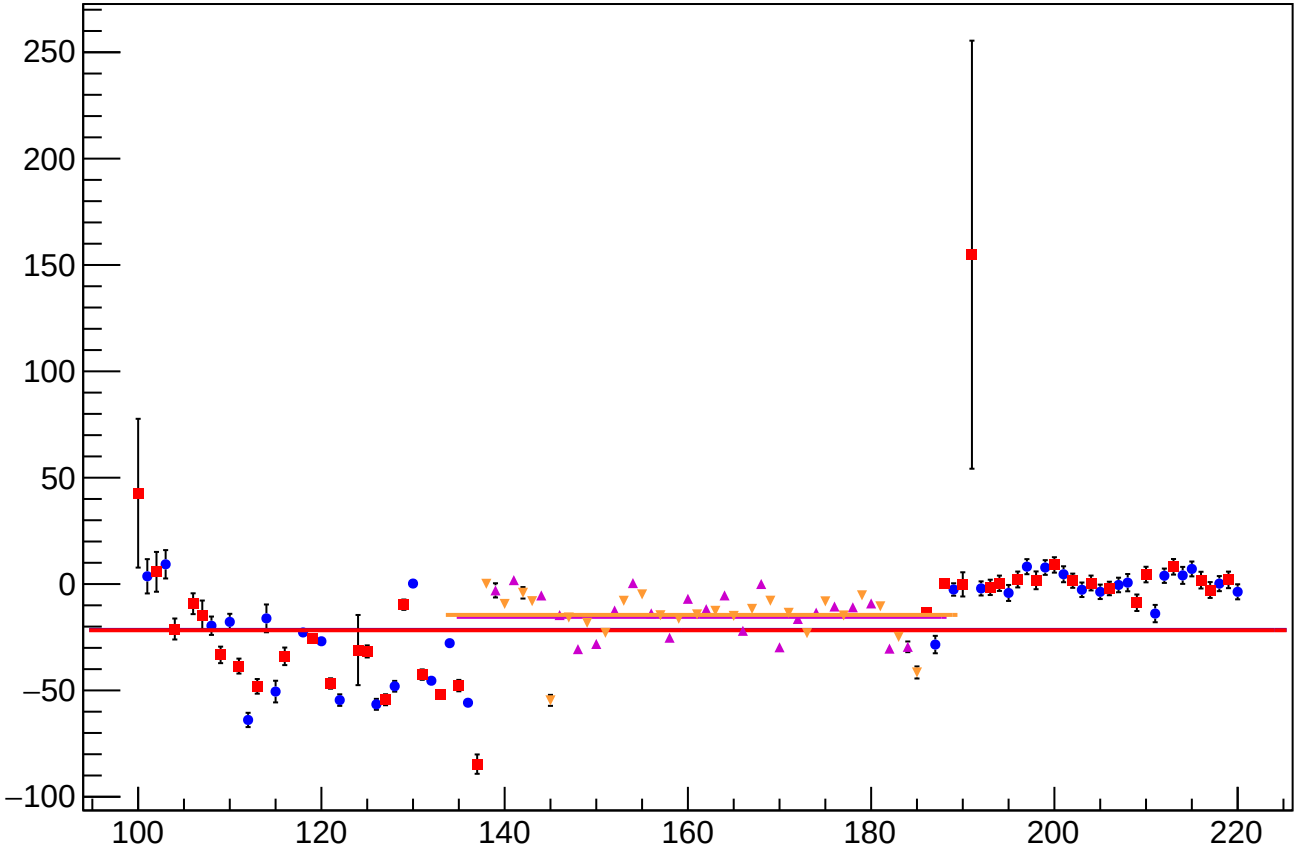
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 28.145+/-0.281 χ^2/NDF: 9795.9/57

All: 28.639+/-0.194 χ^2/NDF: 22383.8/117

- sign 29.087+/-0.268 χ^2/NDF: 12582.0/59

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -21.556+/-0.544 χ^2/NDF: 1798.6/32

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -21.715+/-0.530 χ^2/NDF: 1761.5/36

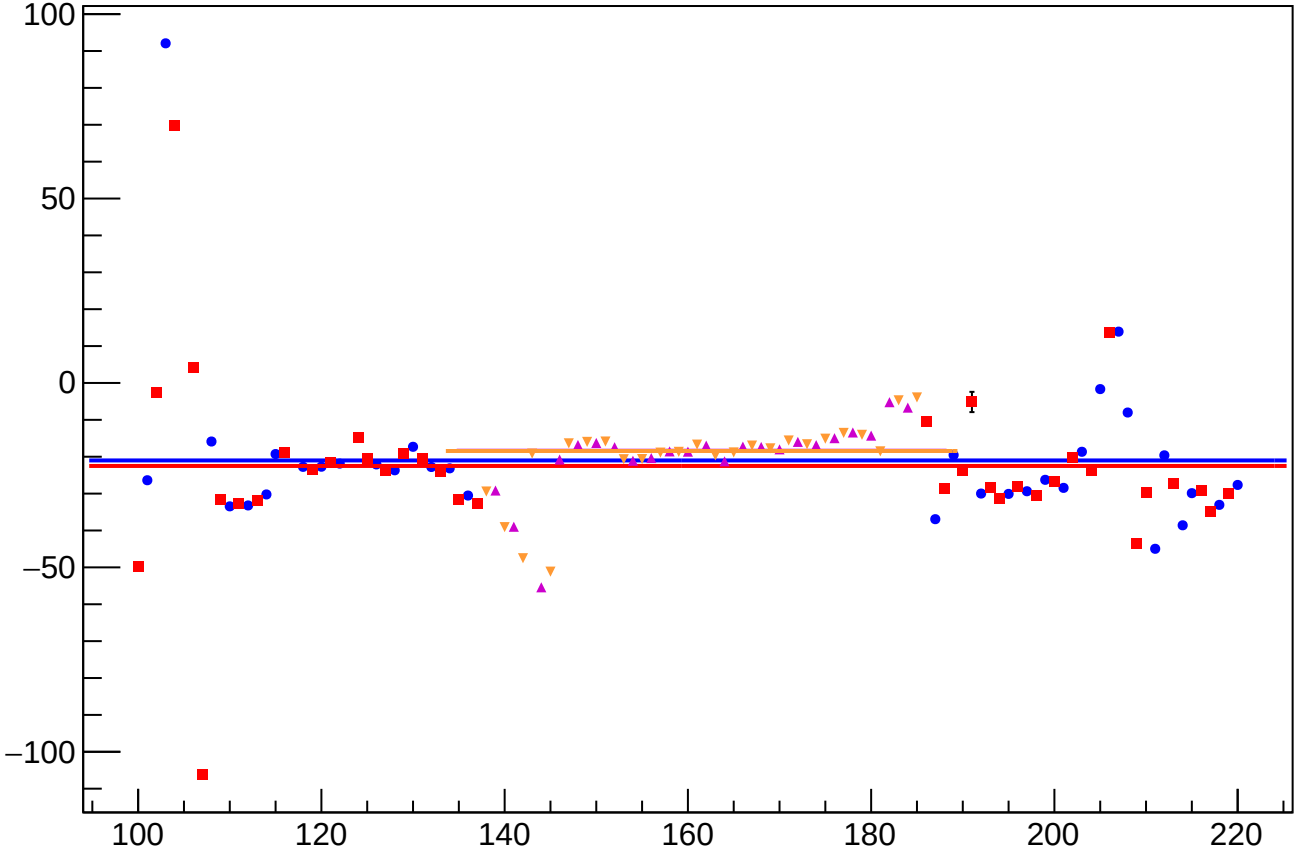
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -16.519+/-0.291 χ^2/NDF: 2559.9/57

All: -16.937+/-0.207 χ^2/NDF: 5221.6/117

- sign -17.368+/-0.295 χ^2/NDF: 2657.5/59

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -21.007+/-0.027 χ^2/NDF: 586616.8/32

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -22.502+/-0.026 χ^2/NDF: 489082.2/36

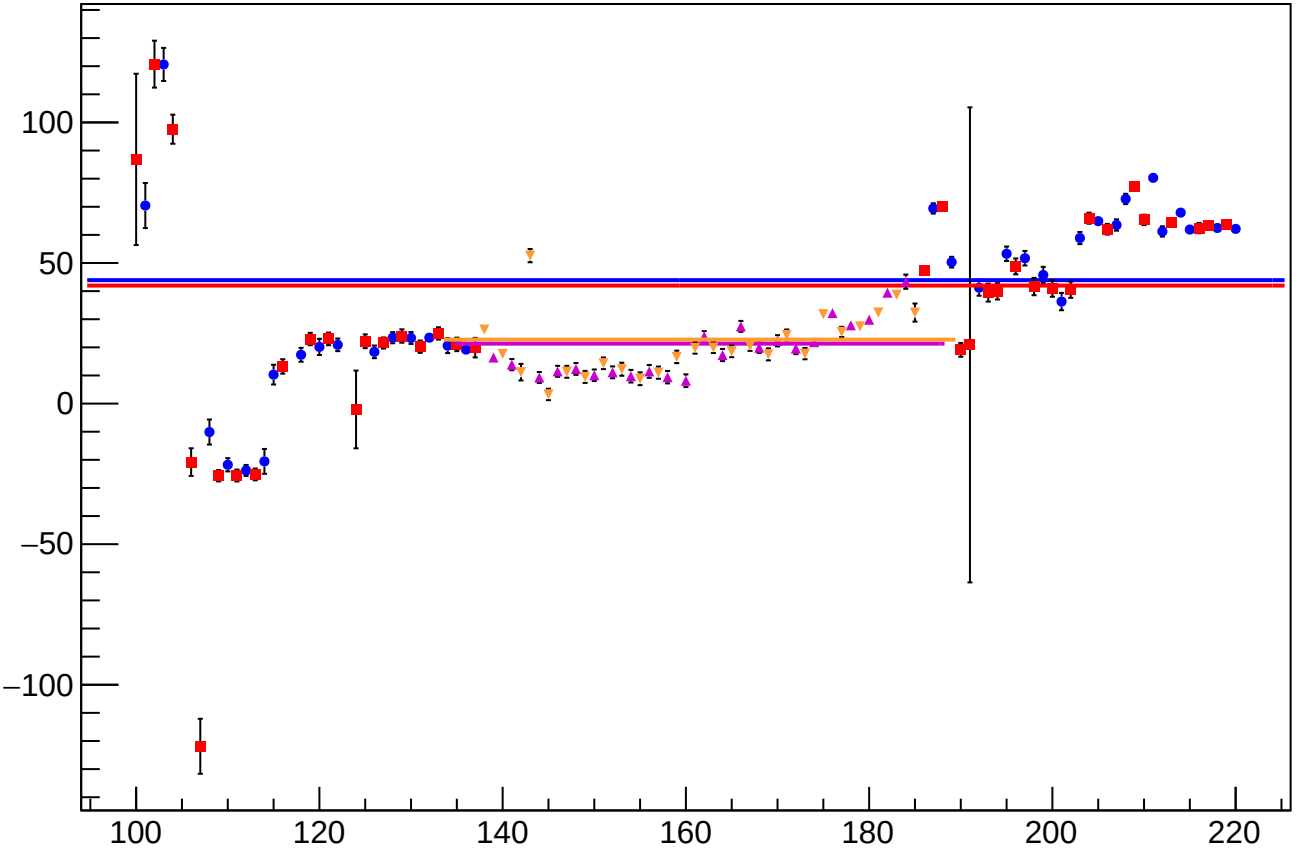
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -19.097+/-0.013 χ^2/NDF: 888880.2/57

All: -19.275+/-0.010 χ^2/NDF: 1646304.0/117

- sign -19.458+/-0.014 χ^2/NDF: 757064.4/59

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 43.907+/-0.376 χ^2/NDF: 5568.0/32

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 41.983+/-0.363 χ^2/NDF: 6973.9/36

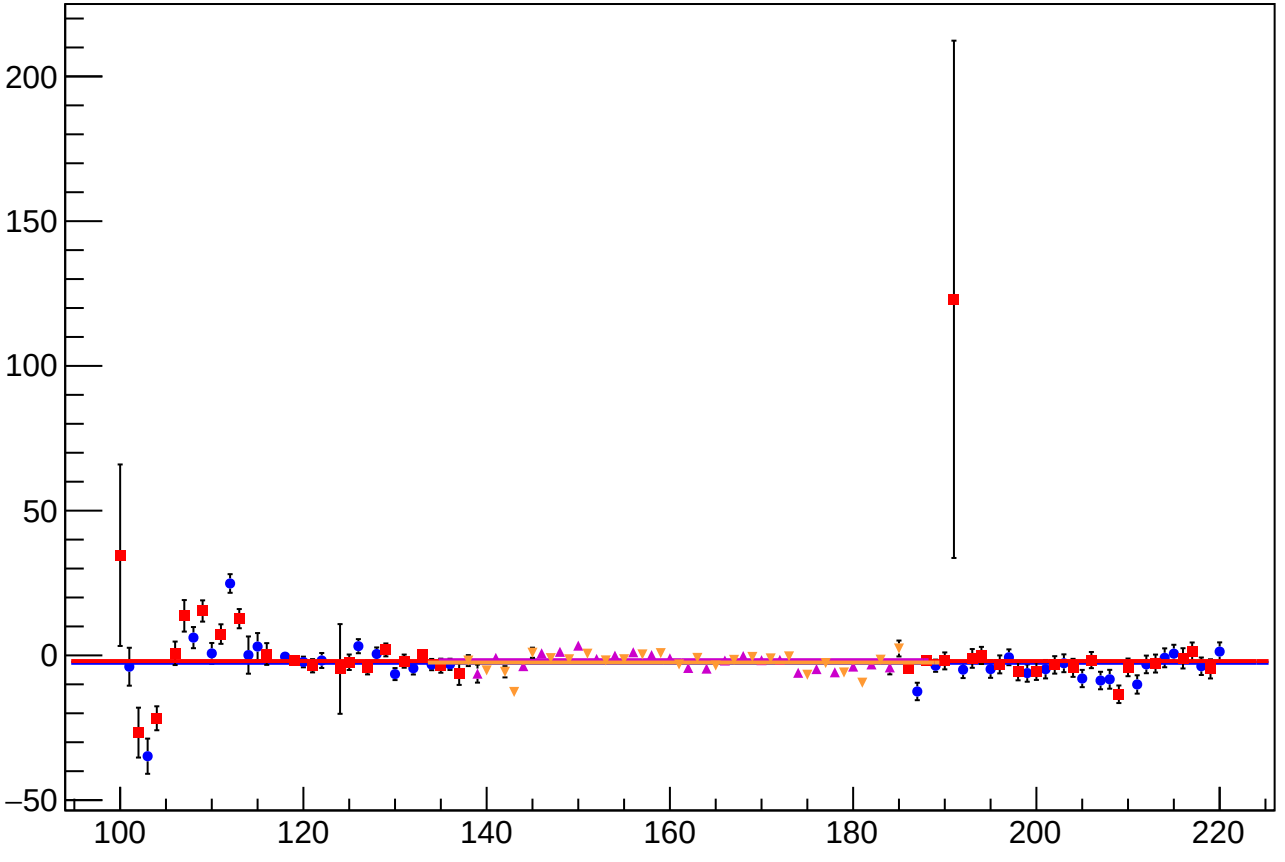
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

\+ sign 33.509+/-0.268 χ^2/NDF: 7842.3/57

All: 32.980+/-0.189 χ^2/NDF: 16944.5/117

\- sign 32.458+/-0.267 χ^2/NDF: 9094.6/59

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.561+/-0.469 χ^2/NDF: 156.4/32

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.959+/-0.452 χ^2/NDF: 123.5/36

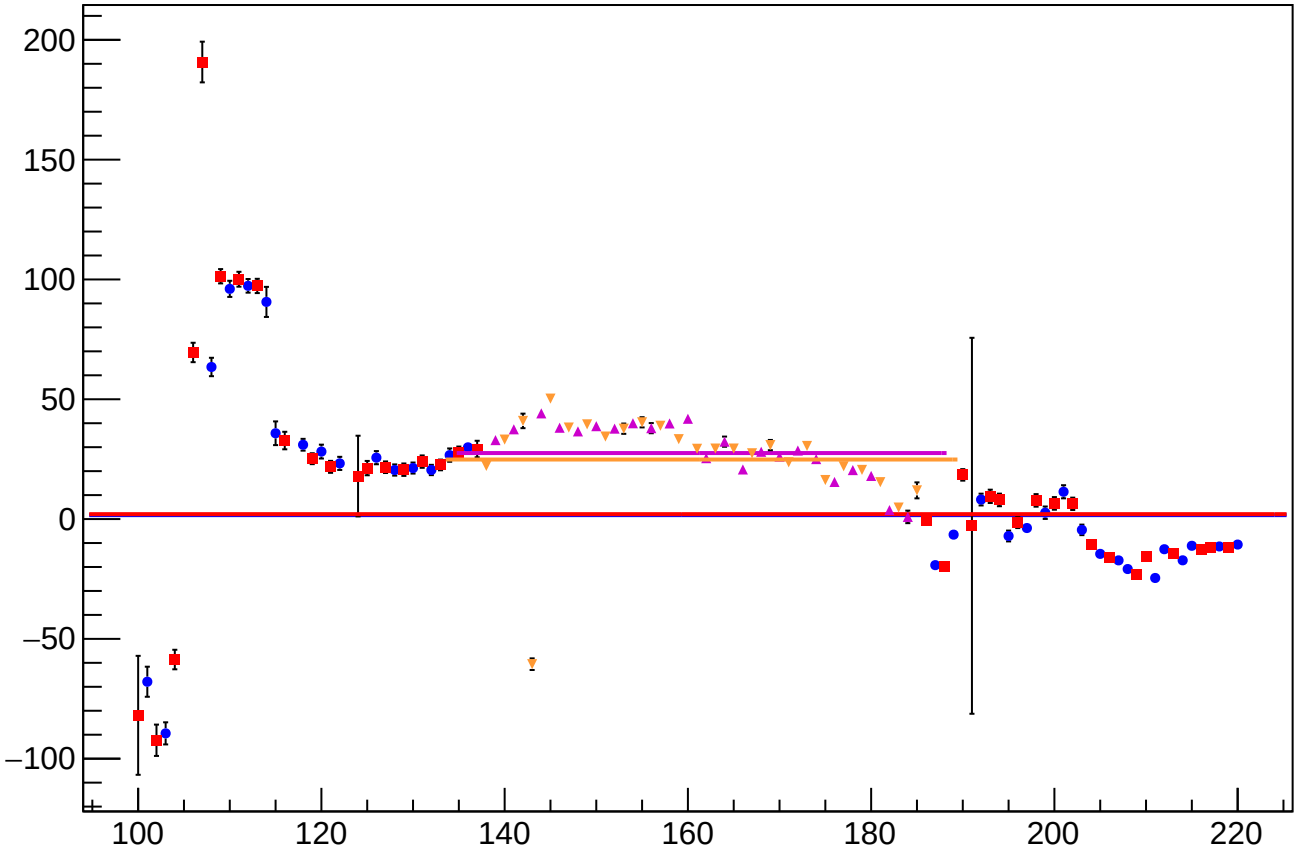
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.494+/-0.248 χ^2/NDF: 273.1/57

All: -2.129+/-0.177 χ^2/NDF: 471.5/117

- sign -1.753+/-0.252 χ^2/NDF: 194.0/59

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 1.641+/-0.389 χ^2/NDF: 5017.2/32

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 2.050+/-0.363 χ^2/NDF: 6475.5/36

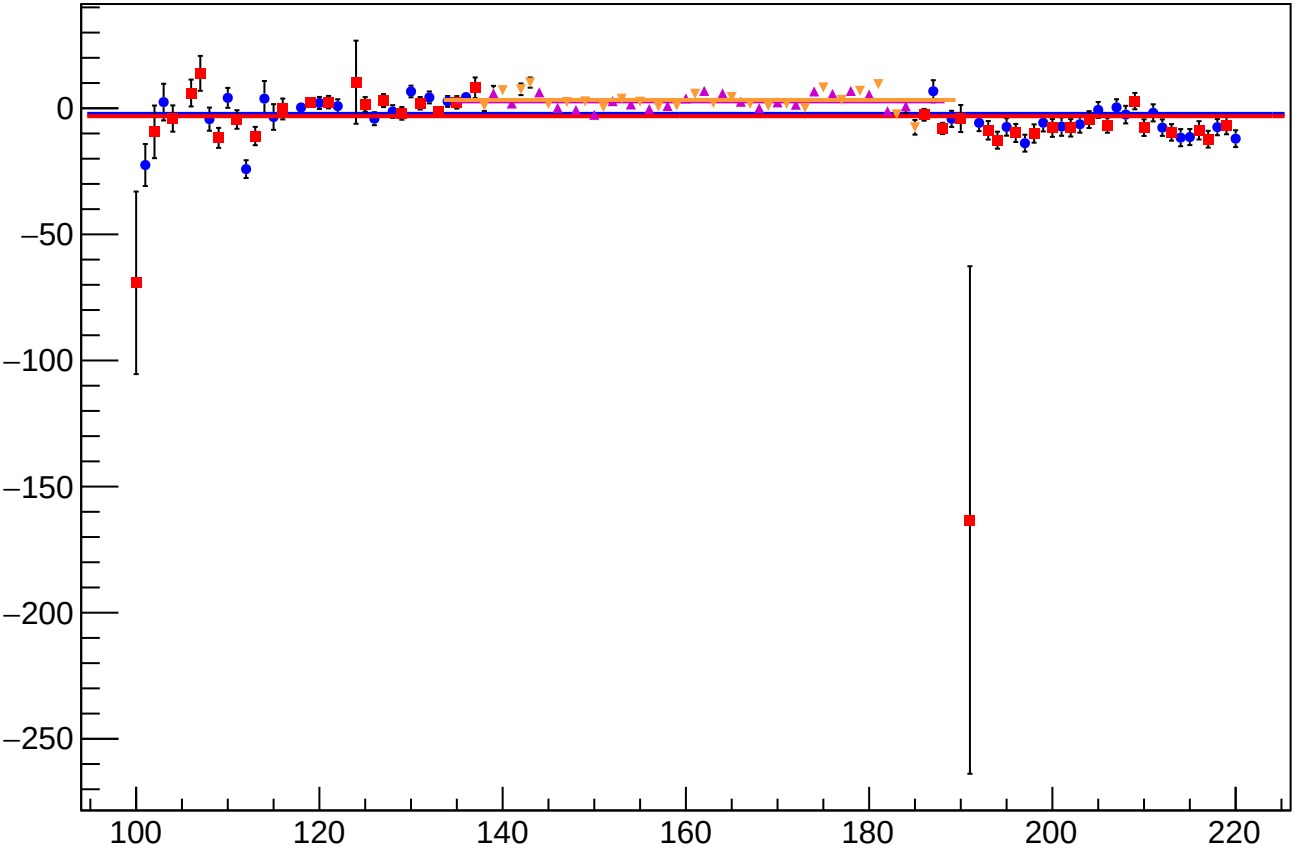
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

\+ sign 13.527+/-0.272 χ^2/NDF: 8888.1/57

All: 13.725+/-0.190 χ^2/NDF: 18546.2/117

\- sign 13.913+/-0.265 χ^2/NDF: 9657.1/59

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -2.232+/-0.534 χ^2/NDF: 150.5/32

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -3.153+/-0.532 χ^2/NDF: 112.7/36

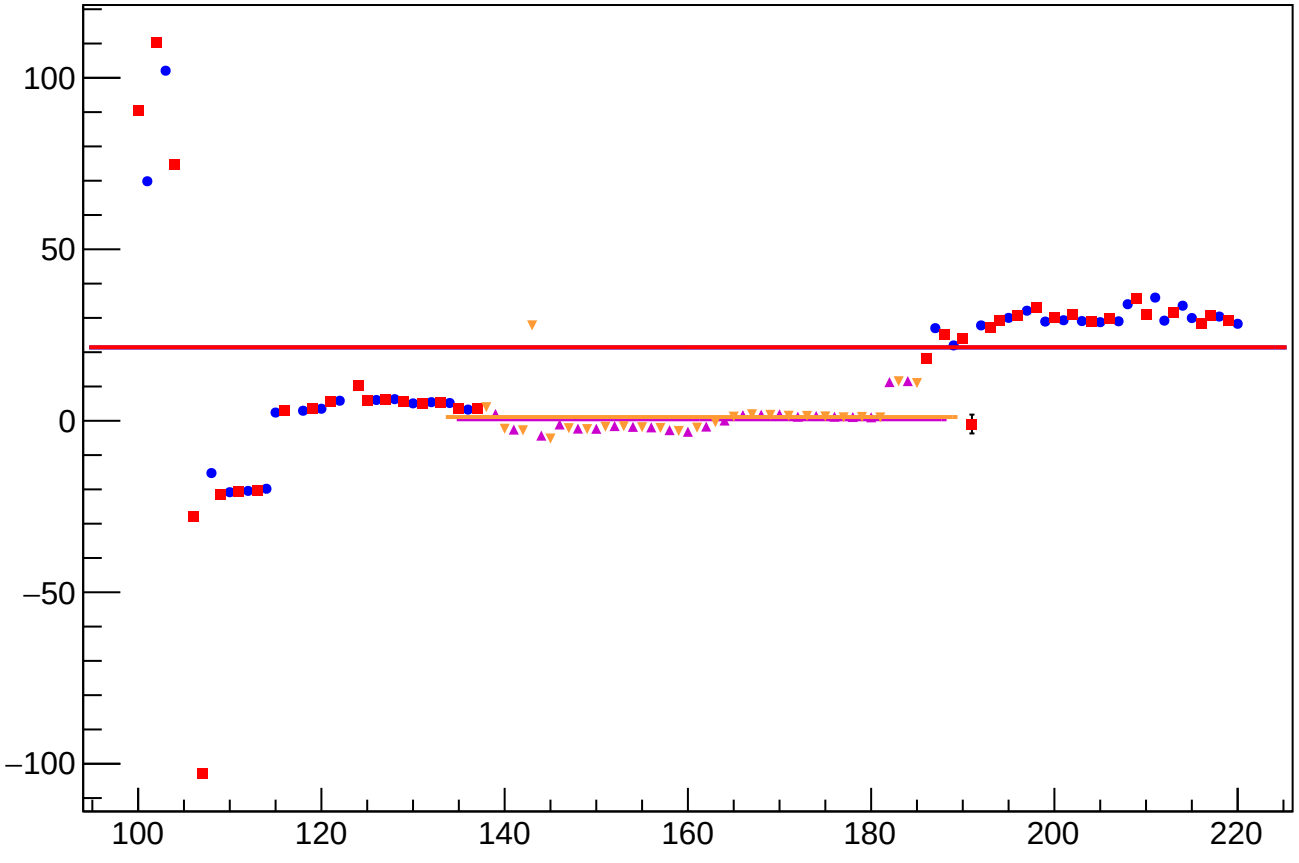
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 1.753+/-0.281 χ^2/NDF: 333.9/57

All: 1.390+/-0.201 χ^2/NDF: 610.9/117

- sign 1.010+/-0.288 χ^2/NDF: 273.6/59

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 21.370+/-0.026 χ^2/NDF: 508434.2/32

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 21.442+/-0.026 χ^2/NDF: 647769.3/36

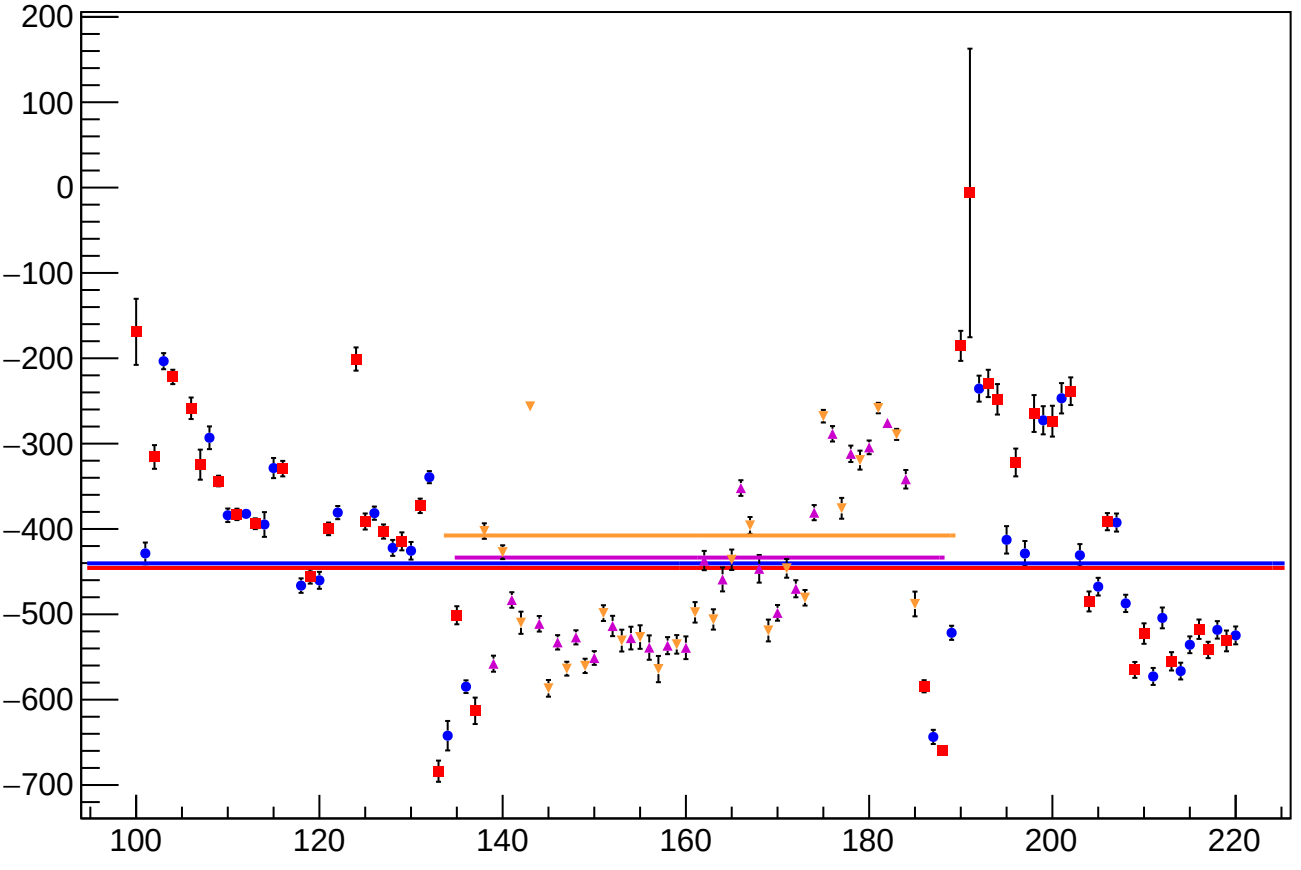
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 6.148+/-0.013 χ^2/NDF: 1102662.5/57

All: 5.953+/-0.009 χ^2/NDF: 2294151.4/117

- sign 5.752+/-0.013 χ^2/NDF: 1191021.8/59

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -440.309+/-1.718 χ^2/NDF: 3596.5/32

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -445.669+/-1.610 χ^2/NDF: 6922.5/36

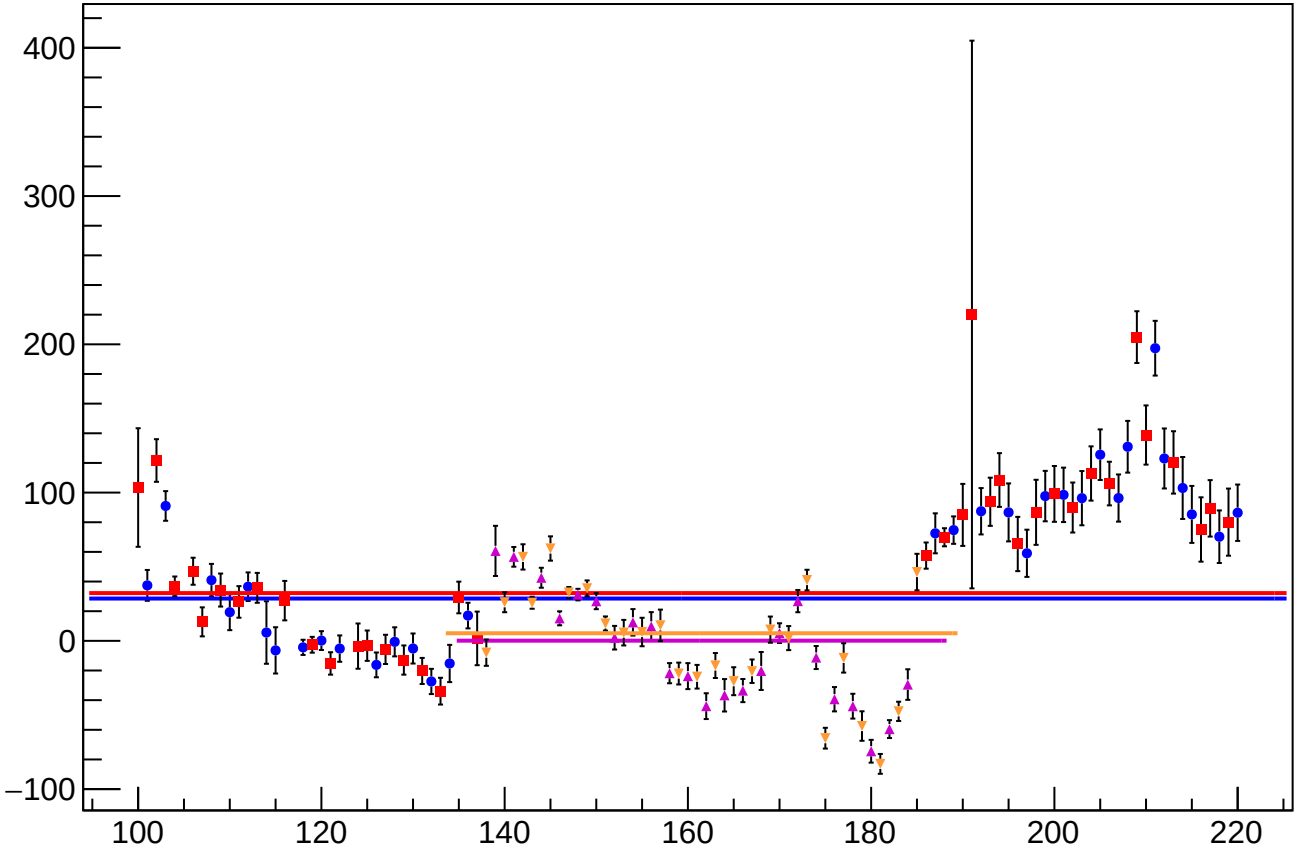
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -425.328+/-1.264 χ^2/NDF: 7768.0/57

All: -433.176+/-0.890 χ^2/NDF: 17513.8/117

- sign -440.875+/-1.252 χ^2/NDF: 9669.5/59

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 28.537+/-1.964 χ^2/NDF: 563.4/32

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 32.213+/-1.857 χ^2/NDF: 602.8/36

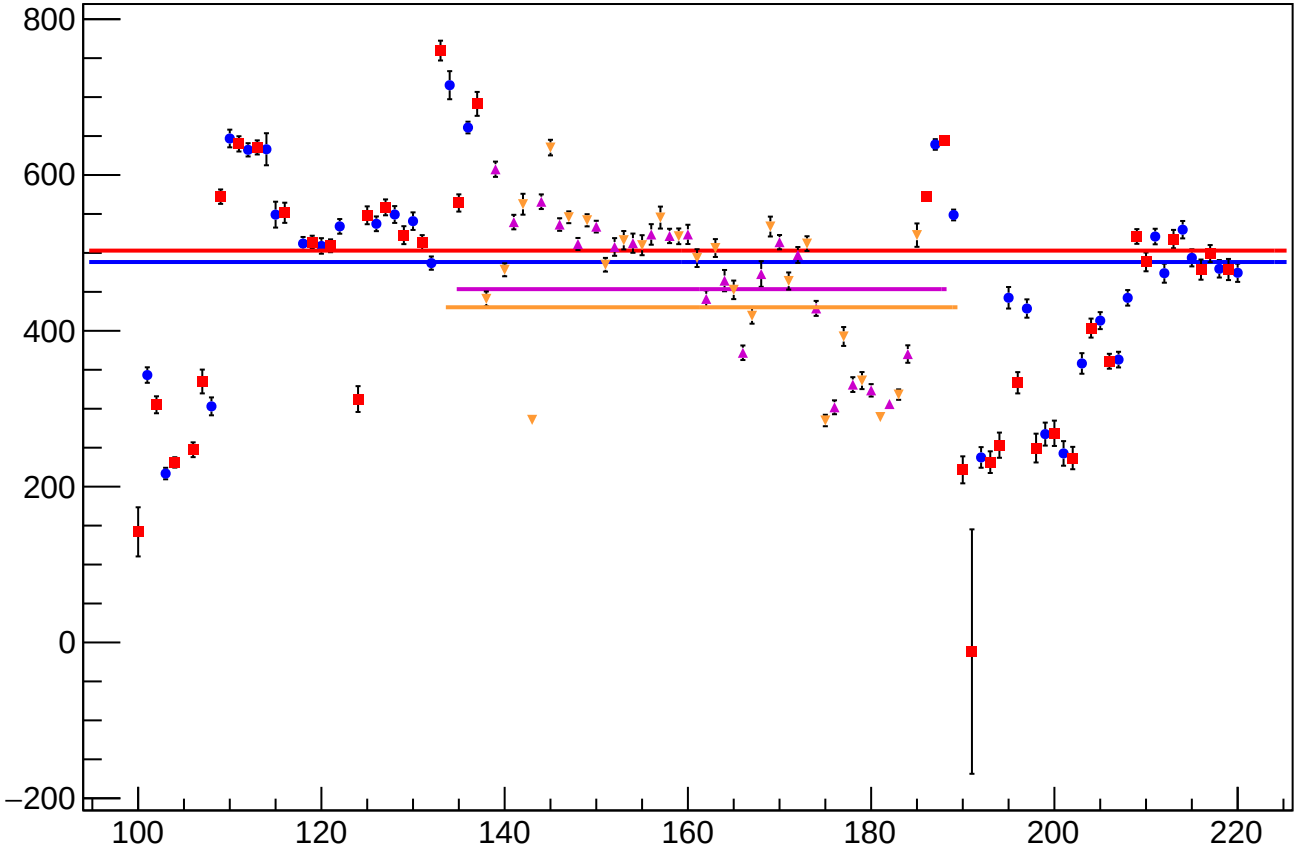
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

+ sign 12.854+/-1.128 χ^2/NDF: 1347.7/57

All: 12.771+/-0.809 χ^2/NDF: 2700.8/117

- sign 12.683+/-1.162 χ^2/NDF: 1353.1/59

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 488.310+/-1.789 χ^2/NDF: 4943.5/32

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 502.965+/-1.629 χ^2/NDF: 8080.5/36

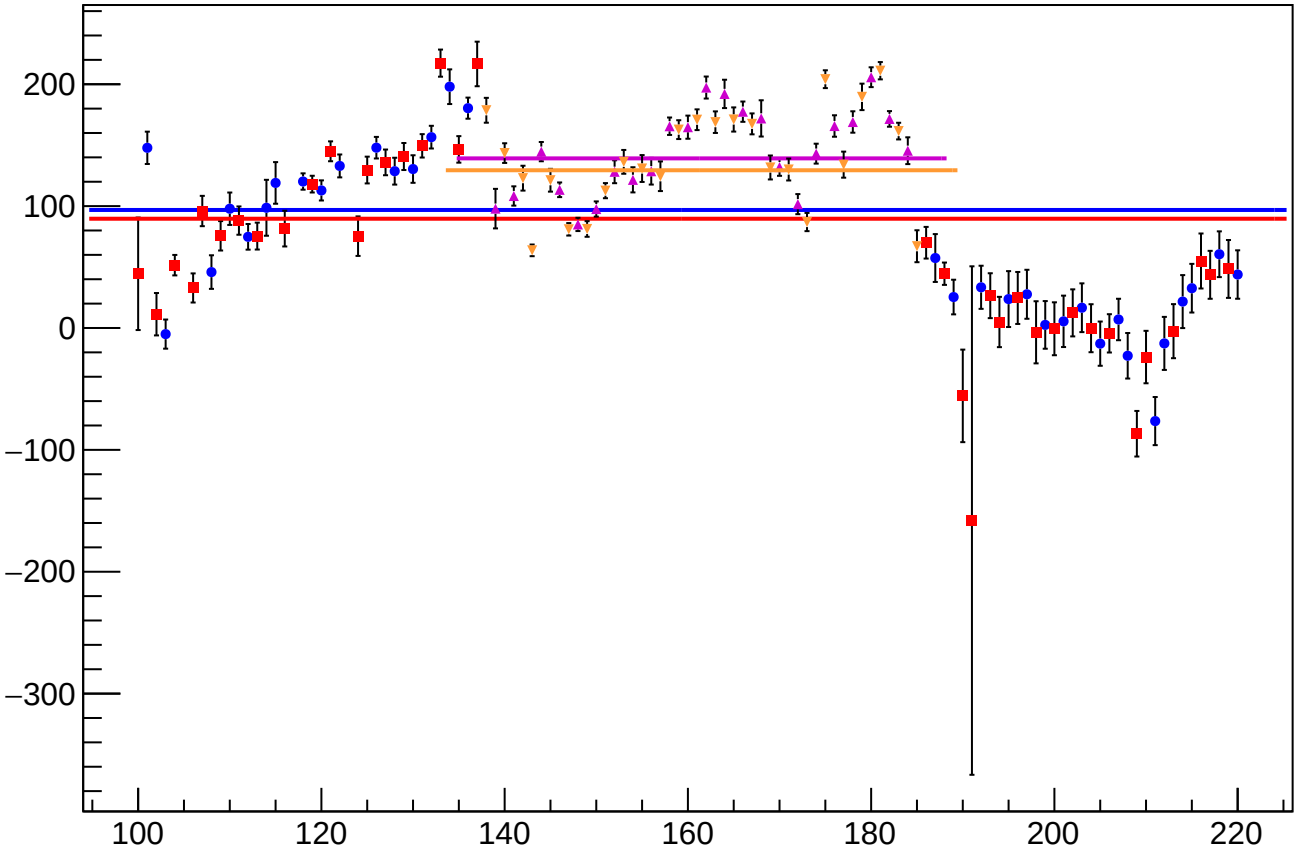
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 460.422+/-1.290 χ^2/NDF: 8854.7/57

All: 471.966+/-0.900 χ^2/NDF: 19884.5/117

- sign 482.921+/-1.256 χ^2/NDF: 10873.7/59

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 96.836+/-2.286 χ^2/NDF: 736.3/32

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 89.651+/-2.199 χ^2/NDF: 760.5/36

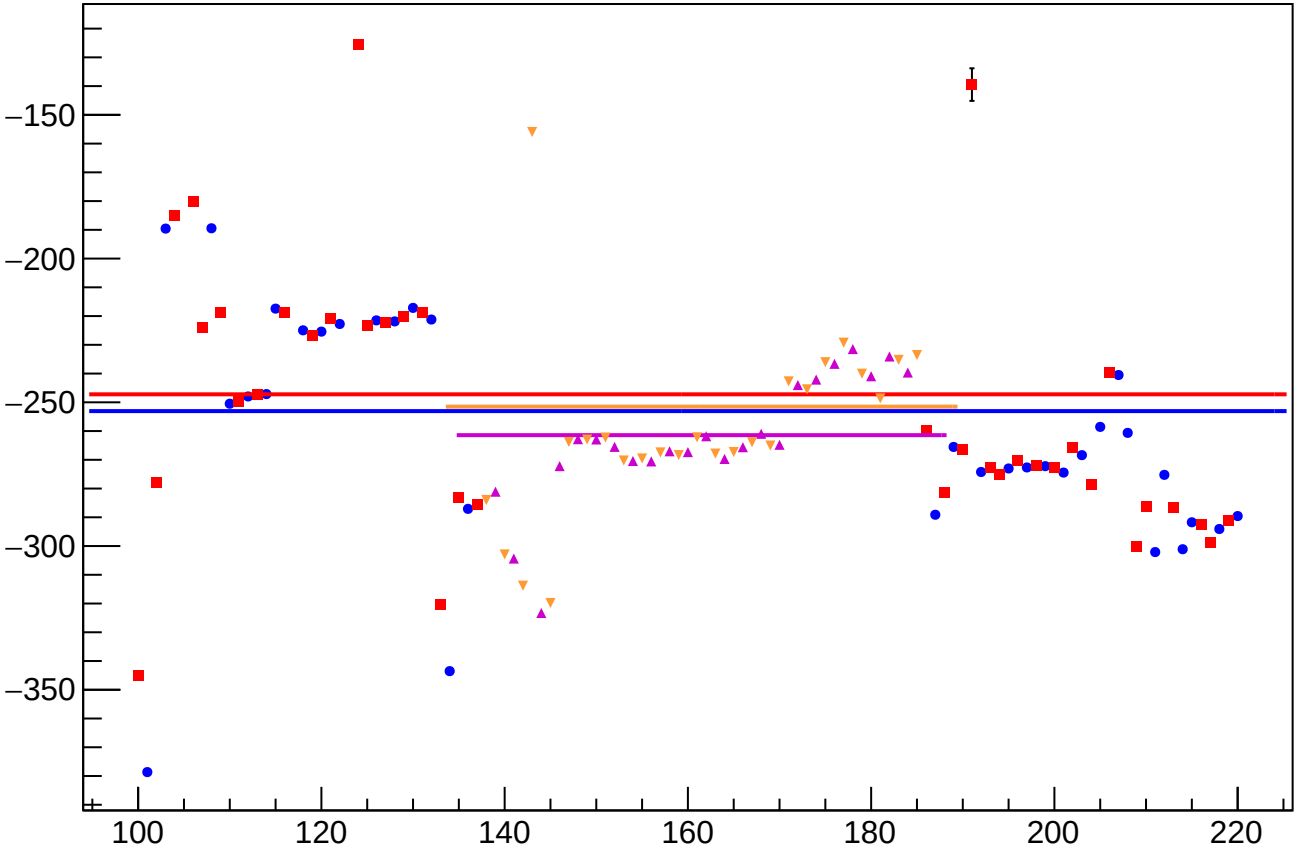
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 118.770+/-1.307 χ^2/NDF: 1687.4/57

All: 119.645+/-0.938 χ^2/NDF: 3199.6/117

- sign 120.575+/-1.347 χ^2/NDF: 1511.3/59

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -253.060+/-0.117 χ^2/NDF: 157827.1/32

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -247.222+/-0.114 χ^2/NDF: 123901.4/36

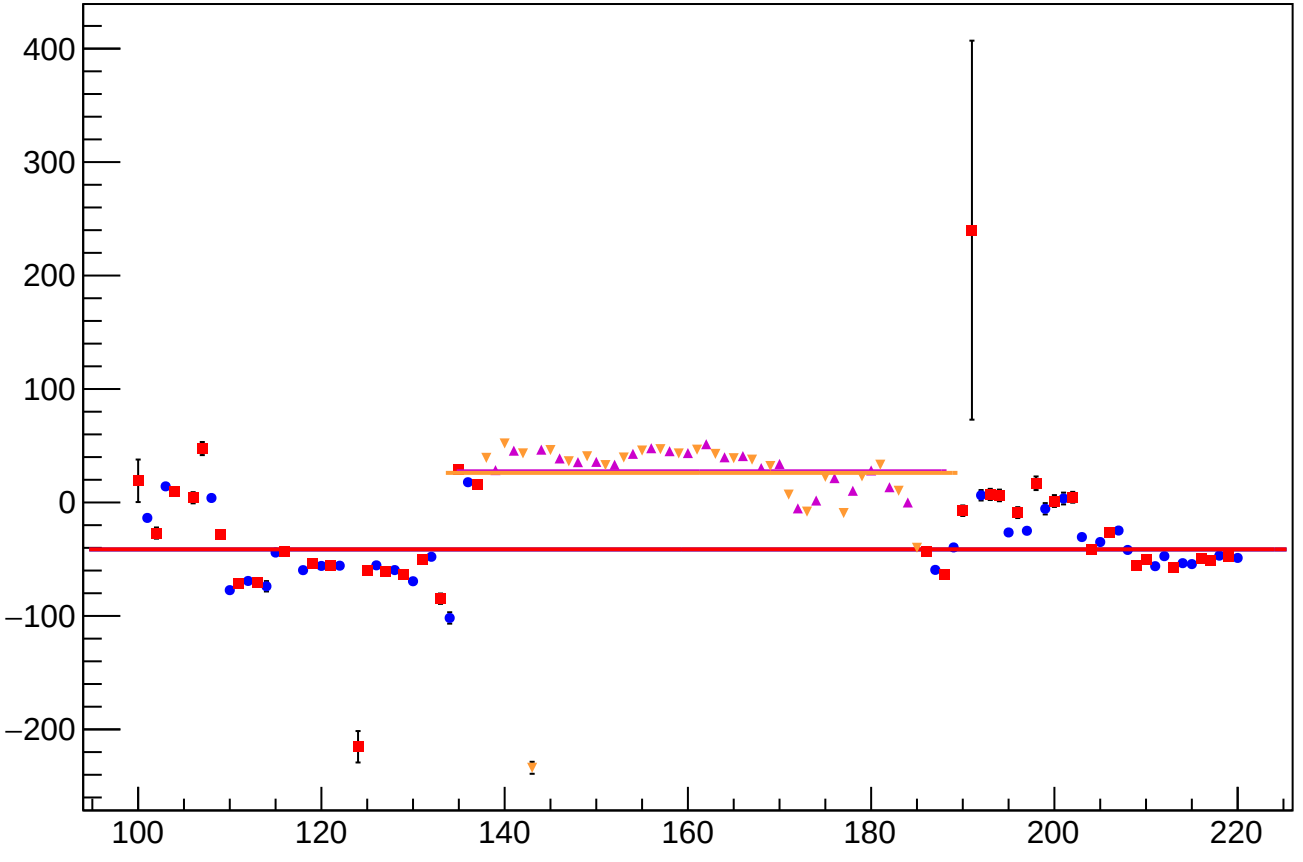
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -251.958+/-0.063 χ^2/NDF: 412876.9/57

All: -254.368+/-0.045 χ^2/NDF: 619973.0/117

- sign -256.886+/-0.064 χ^2/NDF: 204089.8/59

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -41.442+/-0.522 χ^2/NDF: 2852.7/32

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -41.298+/-0.486 χ^2/NDF: 3377.7/36

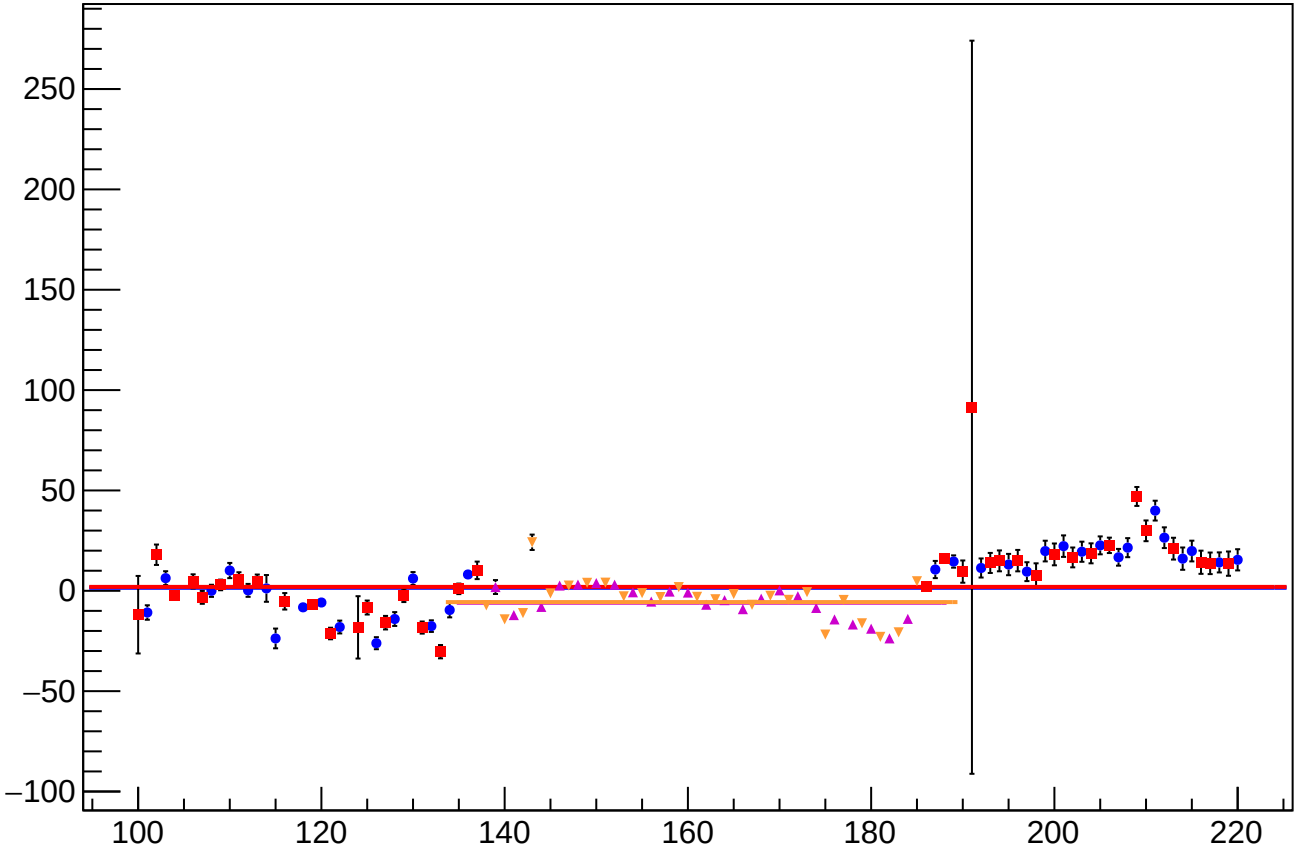
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 1.935+/-0.312 χ^2/NDF: 18377.7/57

All: 0.987+/-0.219 χ^2/NDF: 35407.8/117

- sign 0.071+/-0.307 χ^2/NDF: 17012.0/59

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: 1.510+/-0.628 χ^2/NDF: 533.4/32

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: 1.950+/-0.592 χ^2/NDF: 560.5/36

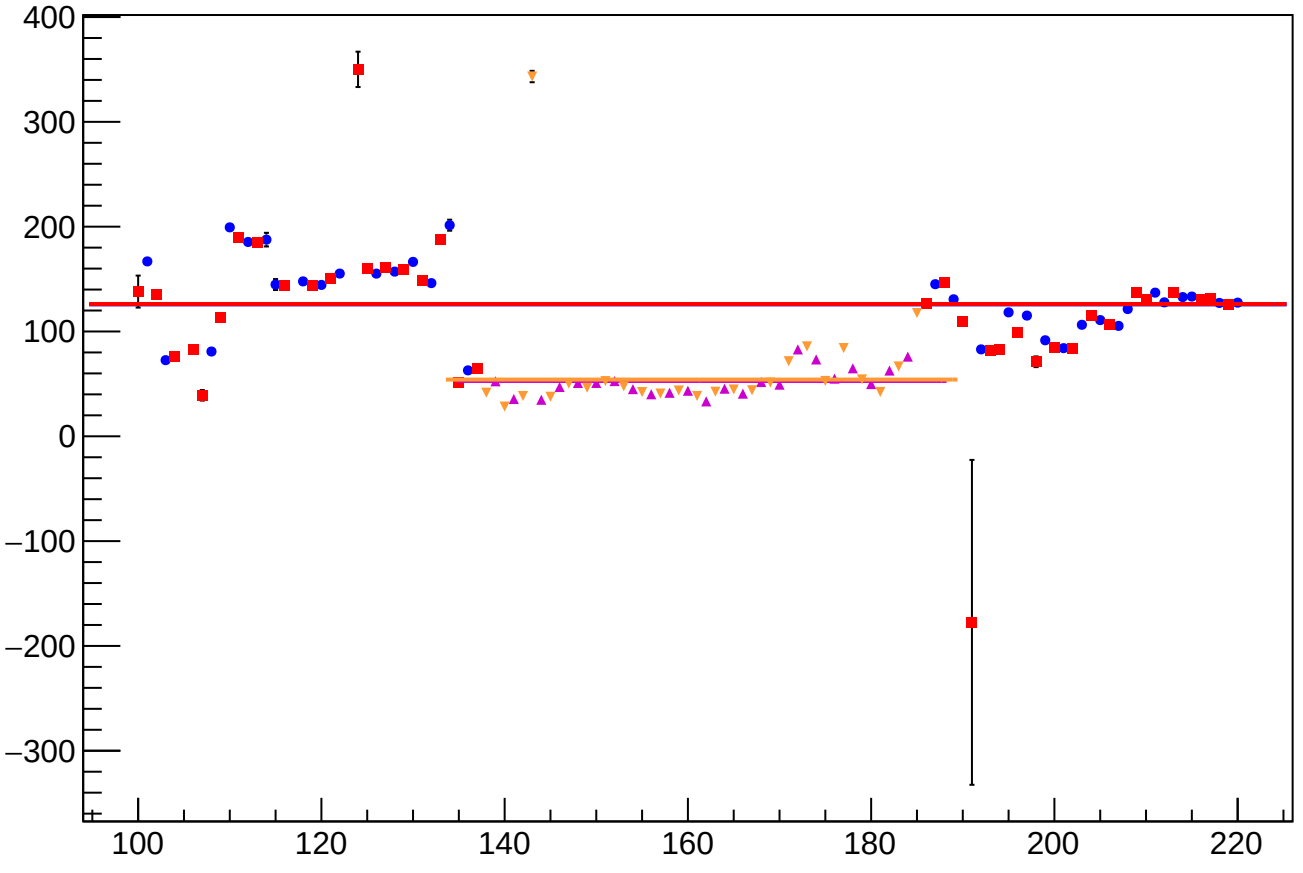
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

\+ sign -4.285+/-0.272 χ^2/NDF: 1531.6/57

All: -4.268+/-0.193 χ^2/NDF: 2943.8/117

\- sign -4.252+/-0.274 χ^2/NDF: 1412.1/59

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 125.847+/-0.541 χ^2/NDF: 4148.8/32

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 126.234+/-0.495 χ^2/NDF: 4460.0/36

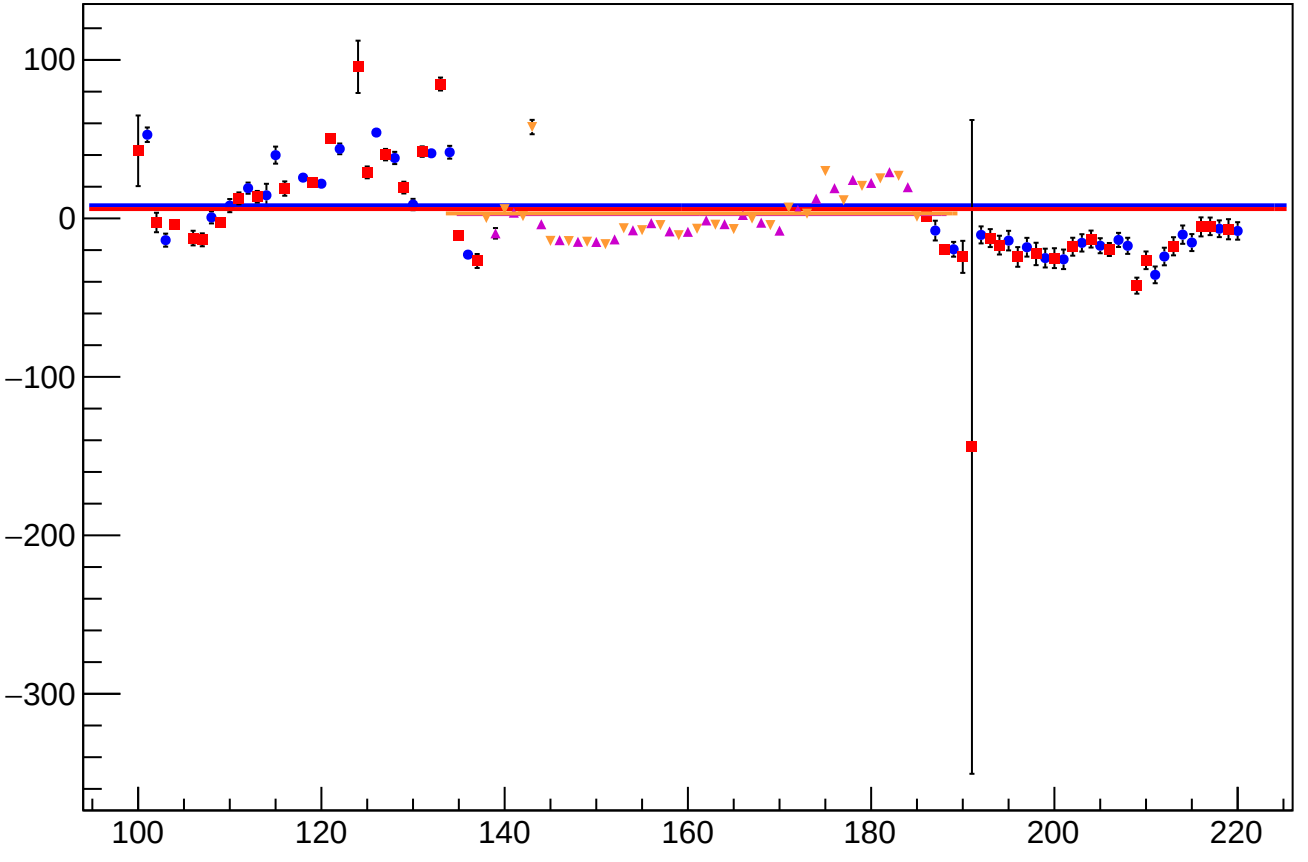
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 78.405+/-0.315 χ^2/NDF: 20352.7/57

All: 79.817+/-0.220 χ^2/NDF: 39344.8/117

- sign 81.163+/-0.308 χ^2/NDF: 18952.9/59

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 8.263+/-0.719 χ^2/NDF: 1409.5/32

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 5.901+/-0.696 χ^2/NDF: 1479.7/36

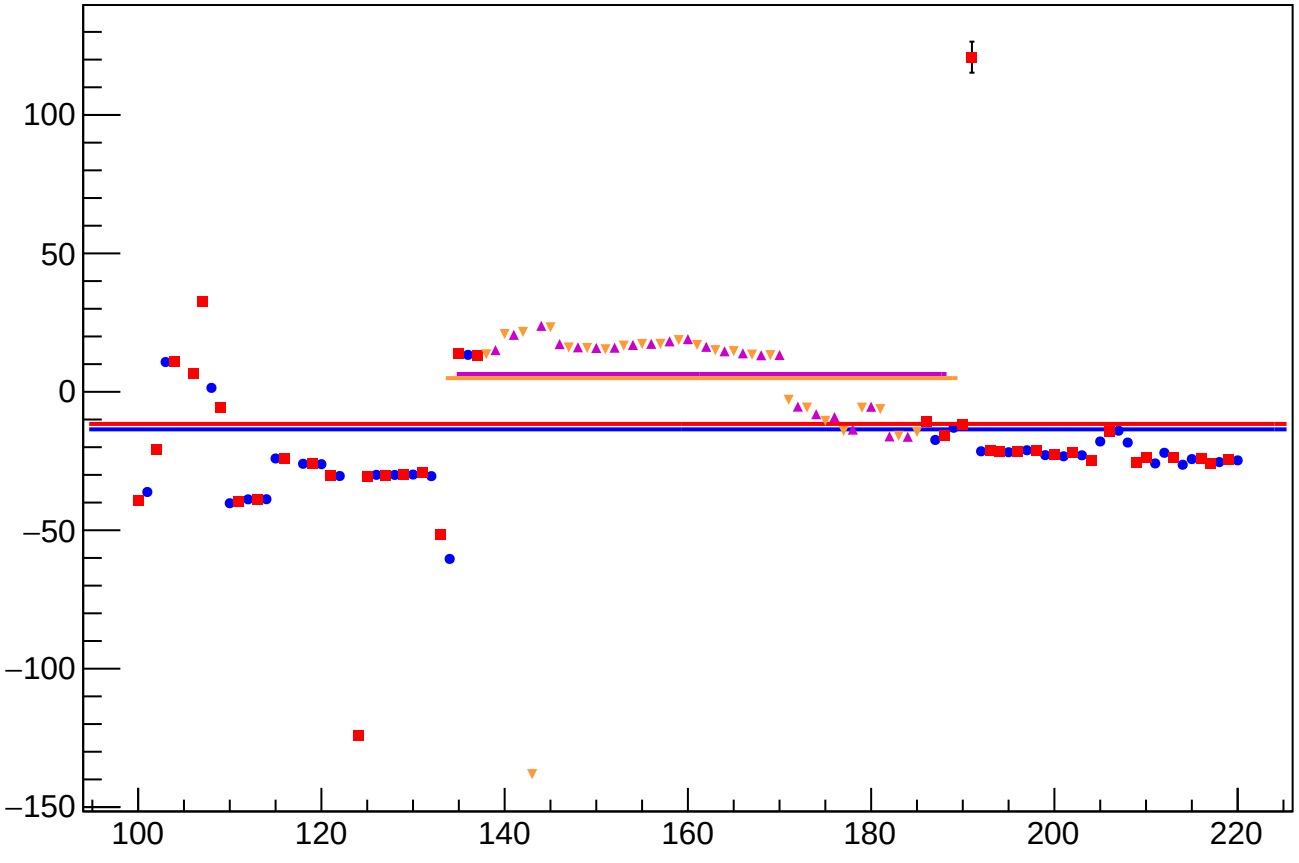
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

+ sign 4.089+/-0.307 χ^2/NDF: 3463.2/57

All: 3.725+/-0.218 χ^2/NDF: 6697.6/117

- sign 3.353+/-0.310 χ^2/NDF: 3231.5/59

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -13.556+/-0.034 χ^2/NDF: 306544.2/32

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -11.593+/-0.034 χ^2/NDF: 287041.7/36

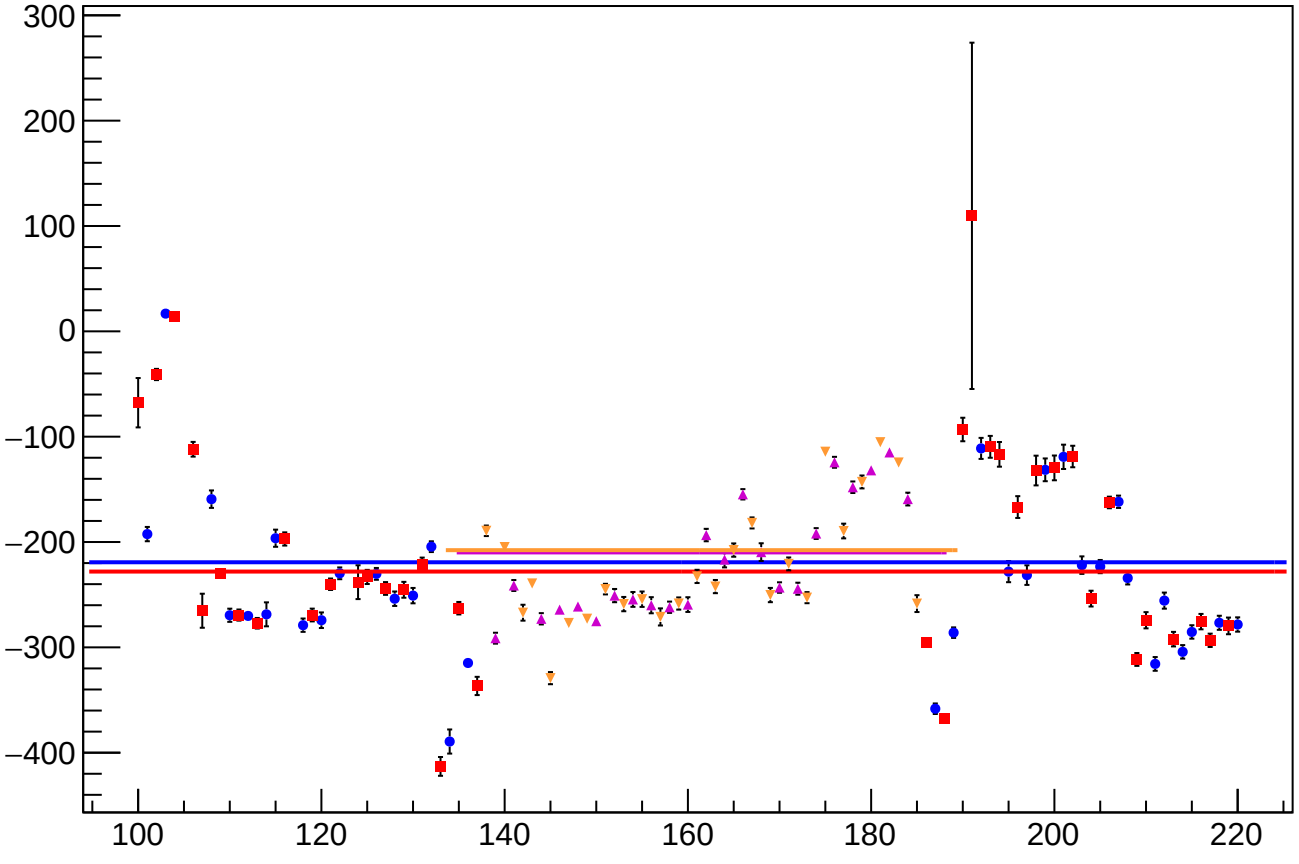
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 1.926+/-0.014 χ^2/NDF: 1684308.0/57

All: 2.690+/-0.010 χ^2/NDF: 2935537.5/117

- sign 3.465+/-0.014 χ^2/NDF: 1245157.9/59

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -219.222+/-1.082 χ^2/NDF: 9605.5/32

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -228.050+/-1.017 χ^2/NDF: 12867.4/36

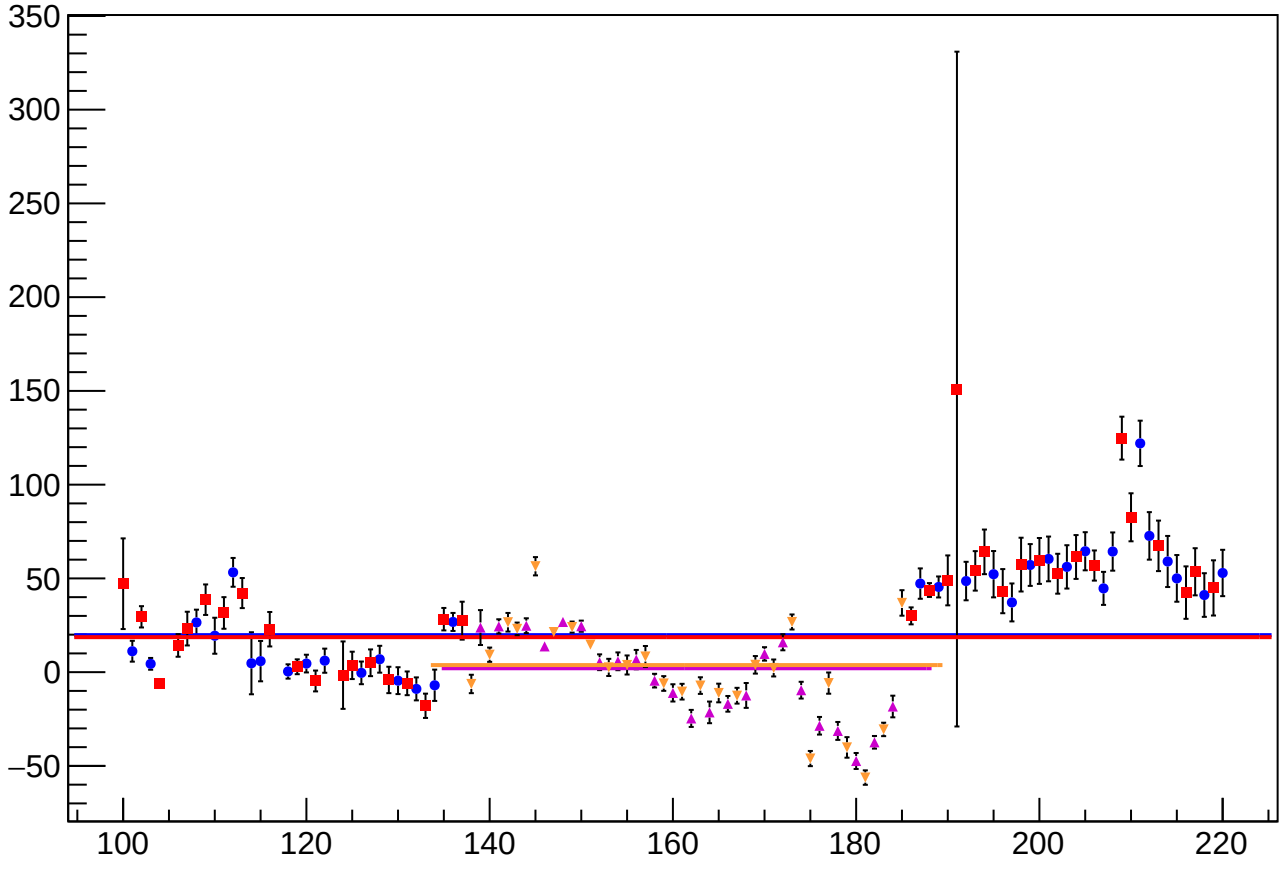
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -213.417+/-0.761 χ^2/NDF: 13149.6/57

All: -216.607+/-0.533 χ^2/NDF: 29210.4/117

- sign -219.684+/-0.747 χ^2/NDF: 16026.3/59

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 19.745+/-1.240 χ^2/NDF: 392.6/32

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 18.668+/-1.137 χ^2/NDF: 522.1/36

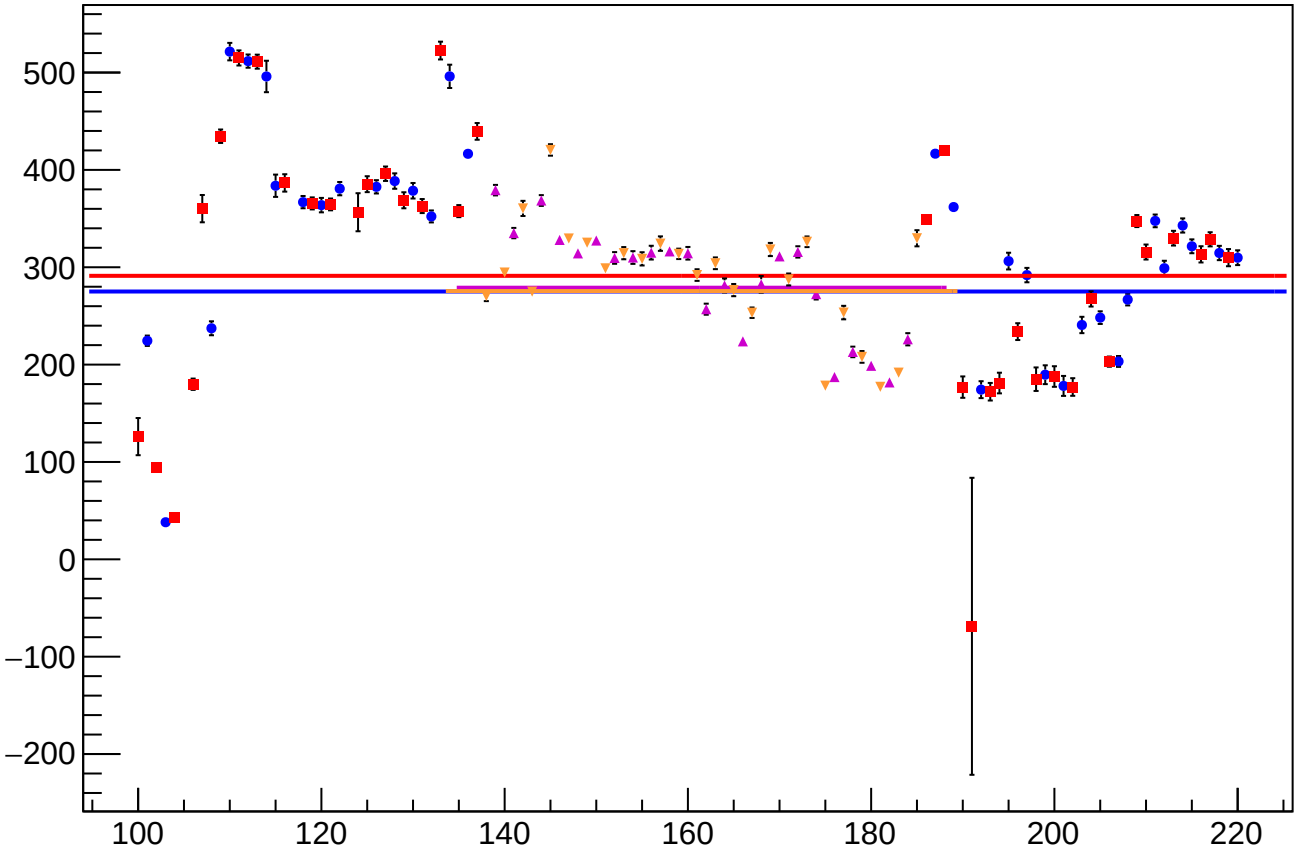
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

+ sign 8.358+/-0.665 χ^2/NDF: 1483.0/57

All: 8.058+/-0.470 χ^2/NDF: 2915.8/117

- sign 7.757+/-0.665 χ^2/NDF: 1432.4/59

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 275.082+/-1.060 χ^2/NDF: 18100.5/32

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 291.193+/-0.968 χ^2/NDF: 22330.8/36

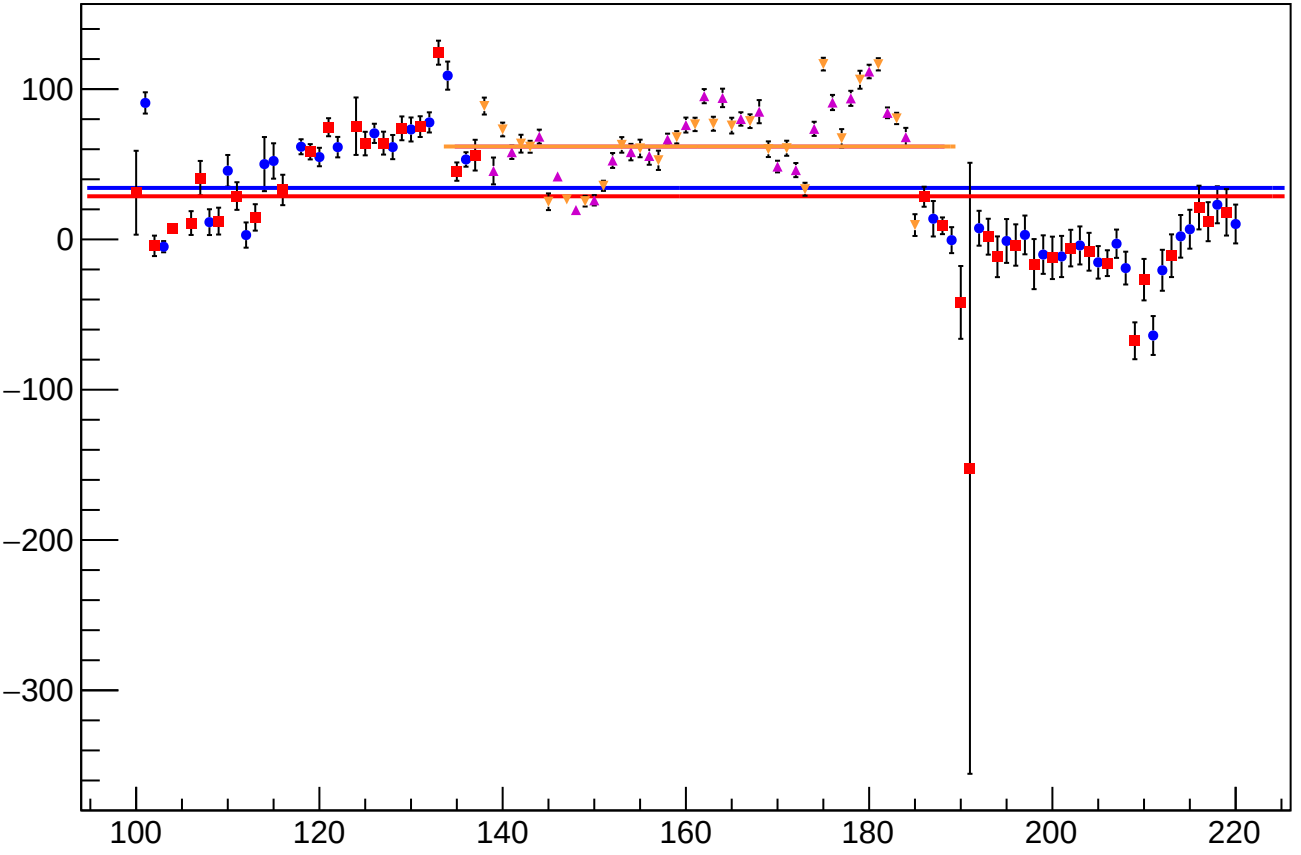
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 275.309+/-0.750 χ^2/NDF: 21423.7/57

All: 280.750+/-0.521 χ^2/NDF: 47040.8/117

- sign 285.807+/-0.723 χ^2/NDF: 25515.6/59

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 34.257+/-1.445 χ^2/NDF: 661.6/32

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 28.693+/-1.369 χ^2/NDF: 647.2/36

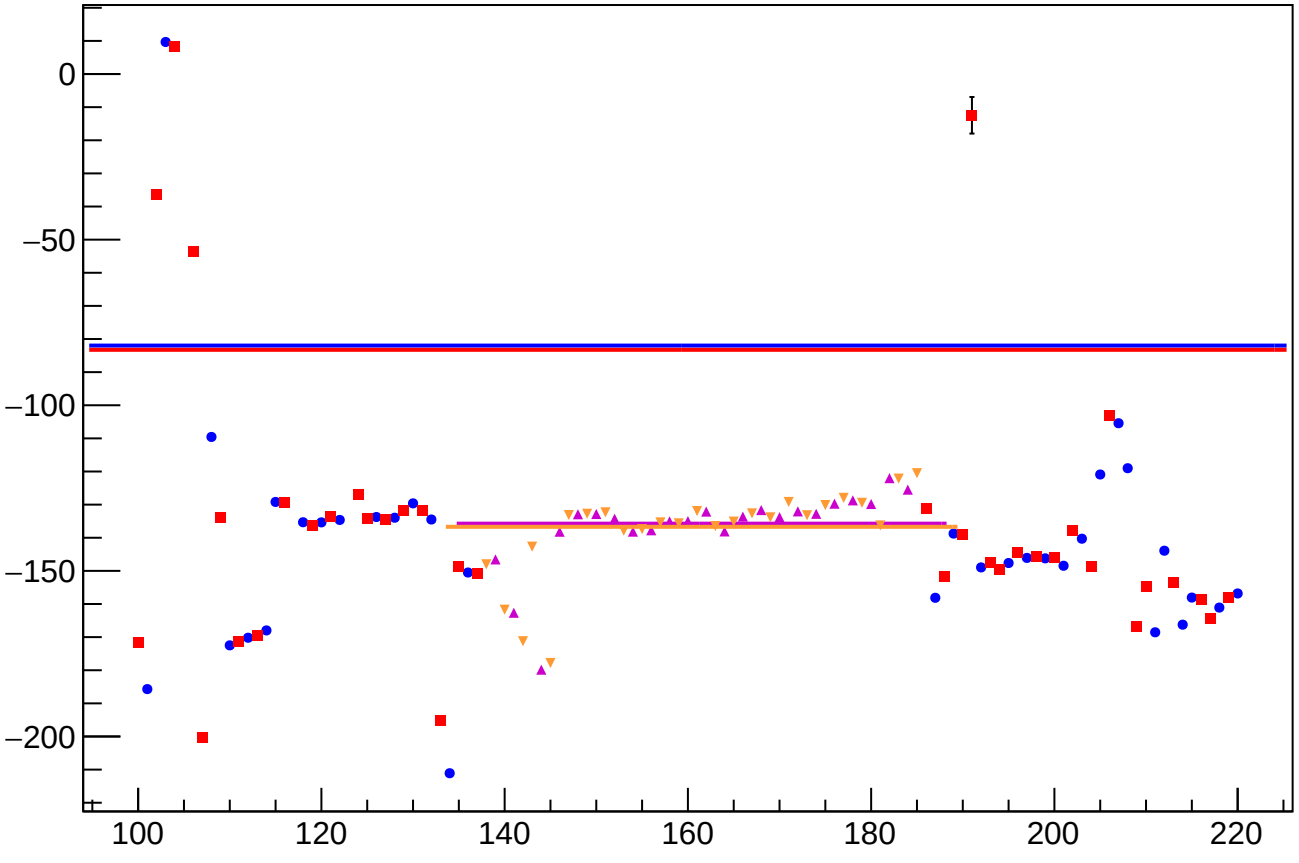
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 54.021+/-0.768 χ^2/NDF: 1882.0/57

All: 52.612+/-0.545 χ^2/NDF: 3669.1/117

- sign 51.183+/-0.774 χ^2/NDF: 1780.4/59

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -81.982+/-0.062 χ^2/NDF: 1605165.4/32

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -83.262+/-0.062 χ^2/NDF: 1289170.1/36

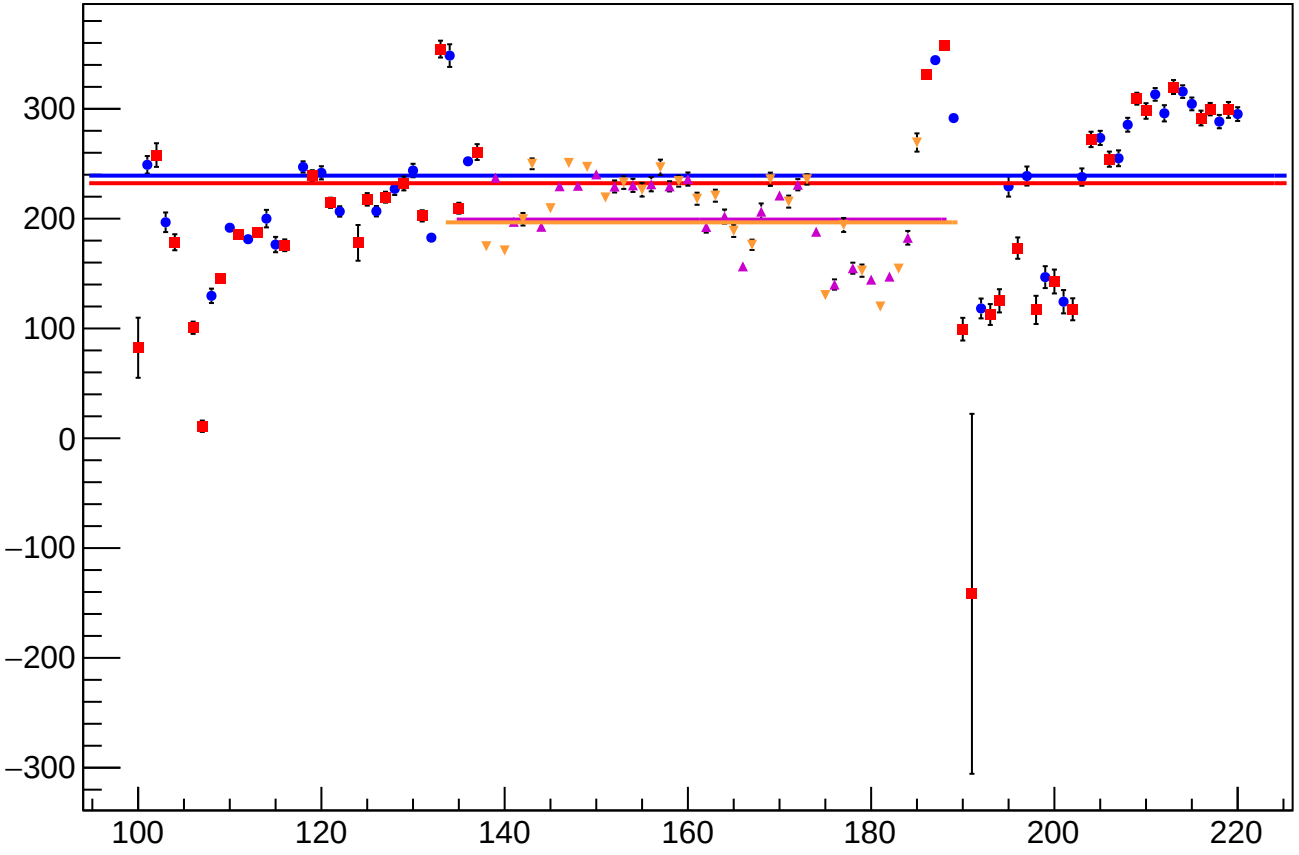
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -119.162+/-0.035 χ^2/NDF: 2221644.2/57

All: -118.980+/-0.025 χ^2/NDF: 4060113.6/11

- sign -118.794+/-0.035 χ^2/NDF: 1838414.4/59

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 239.173+/-1.003 χ^2/NDF: 3067.1/32

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 232.271+/-0.914 χ^2/NDF: 9058.8/36

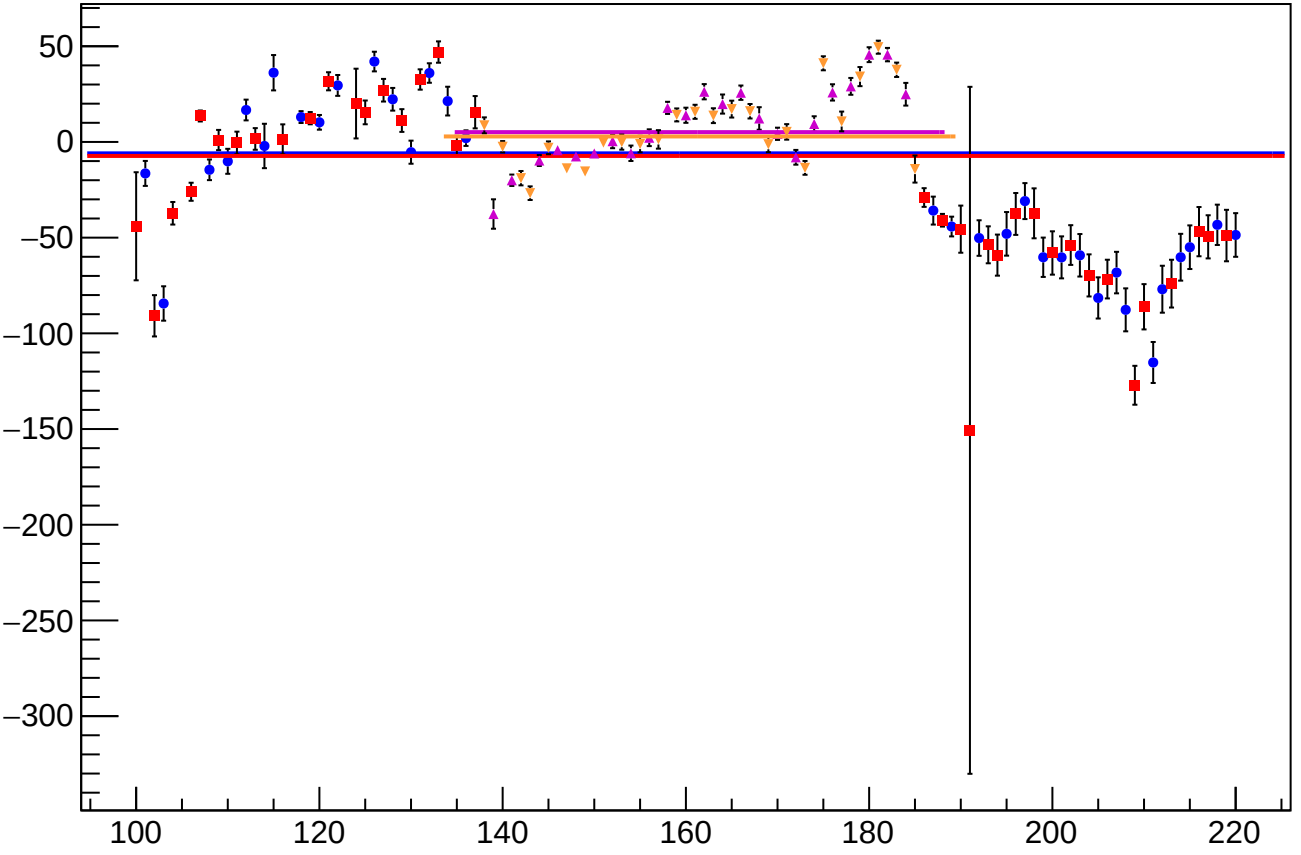
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 216.650+/-0.688 χ^2/NDF: 6094.7/57

All: 216.698+/-0.479 χ^2/NDF: 17063.6/117

- sign 216.742+/-0.666 χ^2/NDF: 10968.9/59

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.965+/-1.157 χ^2/NDF: 940.8/32

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -7.306+/-1.044 χ^2/NDF: 1038.6/36

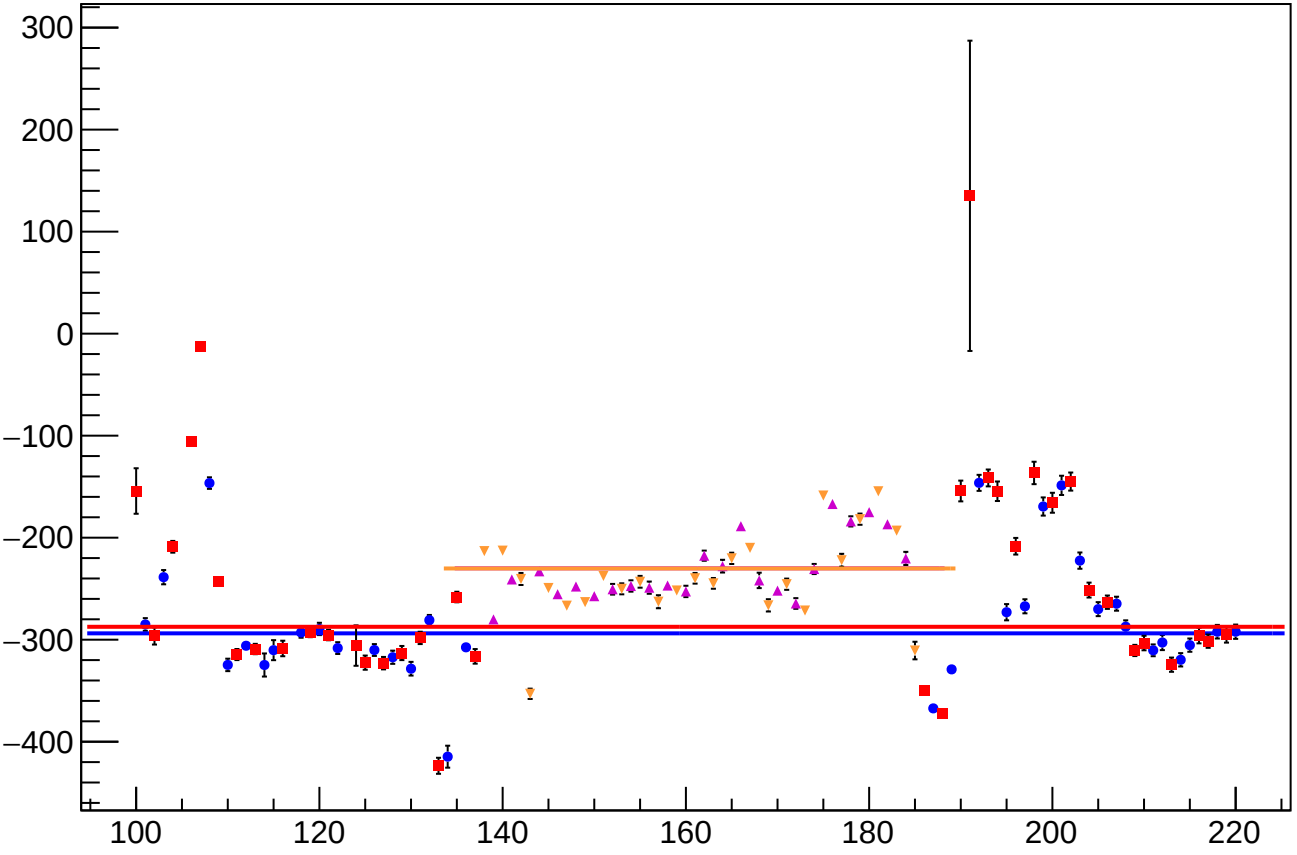
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 0.536+/-0.595 χ^2/NDF: 1736.6/57

All: 0.837+/-0.419 χ^2/NDF: 3500.5/117

- sign 1.134+/-0.592 χ^2/NDF: 1763.5/59

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -293.781+/-1.051 χ^2/NDF: 2410.7/32

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -287.355+/-0.929 χ^2/NDF: 9981.9/36

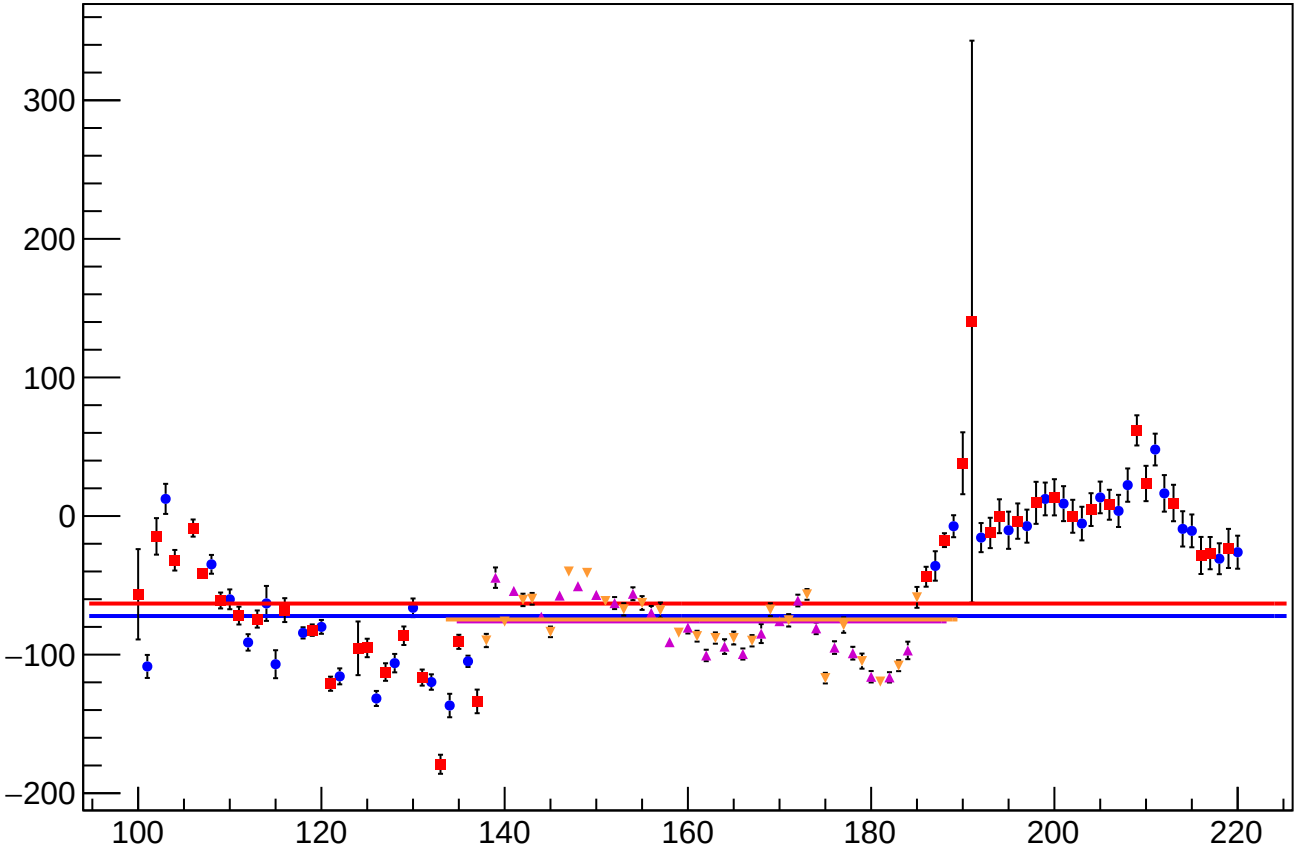
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -258.406+/-0.700 χ^2/NDF: 6628.5/57

All: -259.067+/-0.483 χ^2/NDF: 19544.4/117

- sign -259.668+/-0.668 χ^2/NDF: 12914.2/59

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -72.149+/-1.342 χ^2/NDF: 1222.7/32

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -63.150+/-1.243 χ^2/NDF: 1442.7/36

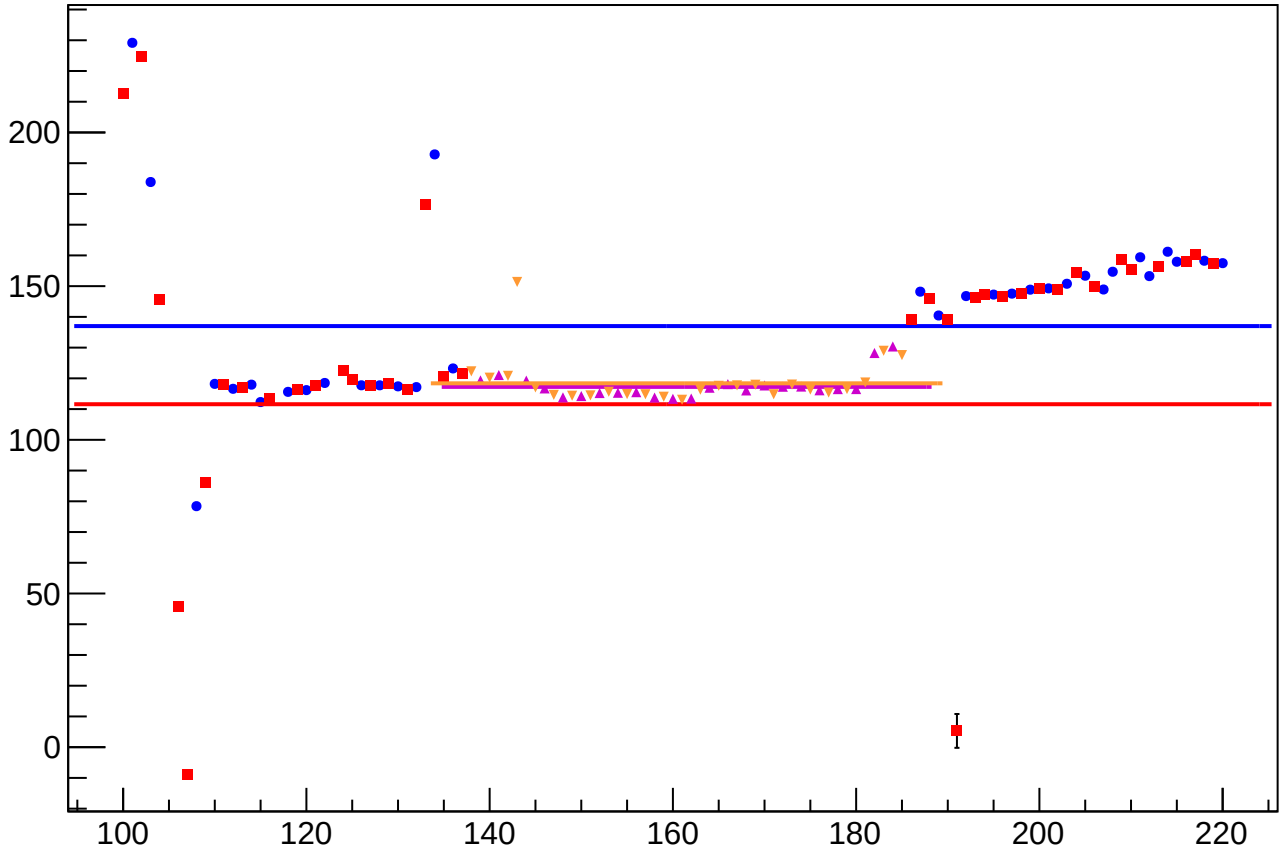
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

\+ sign -73.989+/-0.688 χ^2/NDF: 2056.2/57

All: -73.040+/-0.486 χ^2/NDF: 4223.3/117

\- sign -72.094+/-0.687 χ^2/NDF: 2163.3/59

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 137.006+/-0.070 χ^2/NDF: 207790.6/32

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 111.583+/-0.064 χ^2/NDF: 793518.2/36

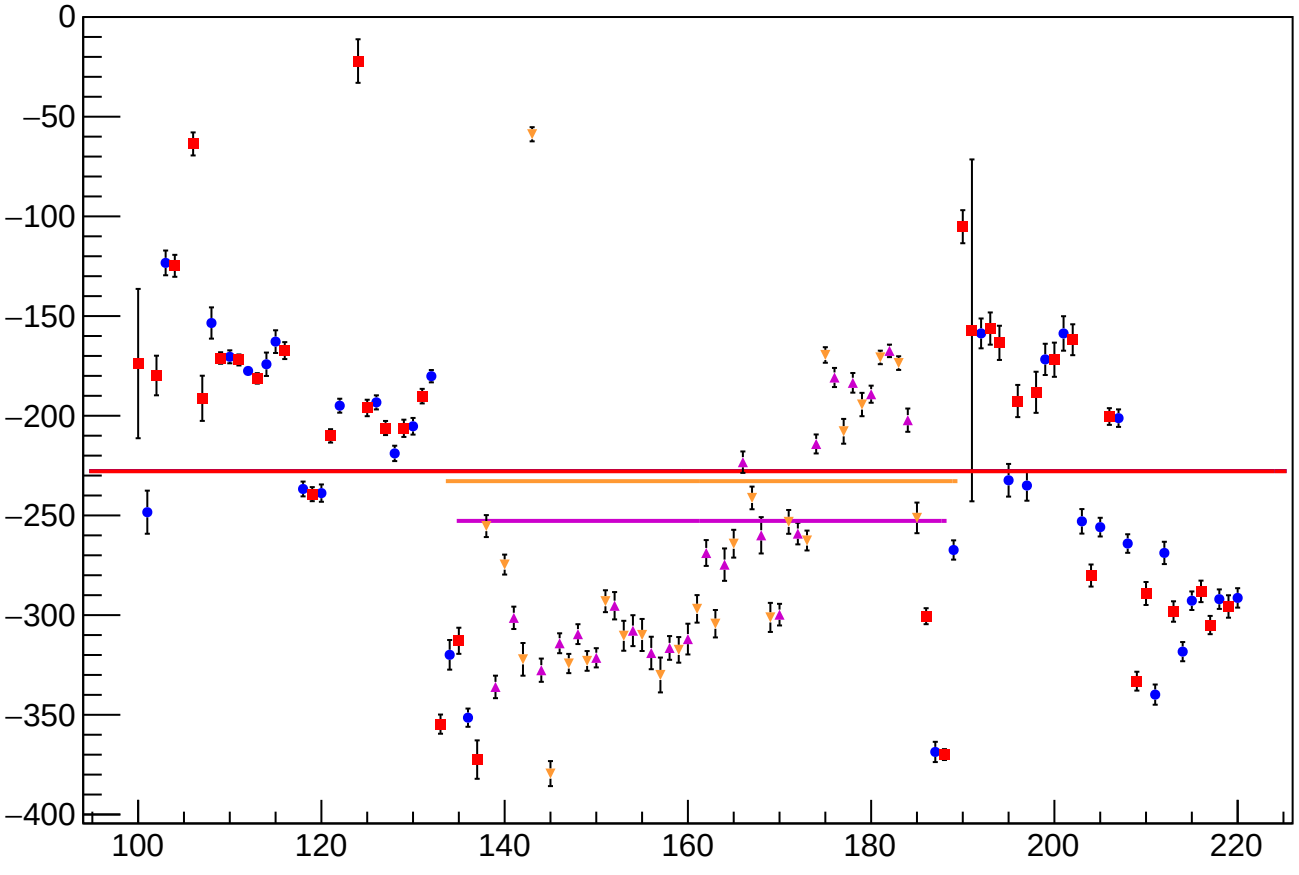
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 122.523+/-0.033 χ^2/NDF: 298231.9/57

All: 119.094+/-0.023 χ^2/NDF: 1129237.7/117

- sign 115.767+/-0.032 χ^2/NDF: 809565.6/59

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -227.718+/-0.809 χ^2/NDF: 5295.1/32

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -227.831+/-0.775 χ^2/NDF: 9234.4/36

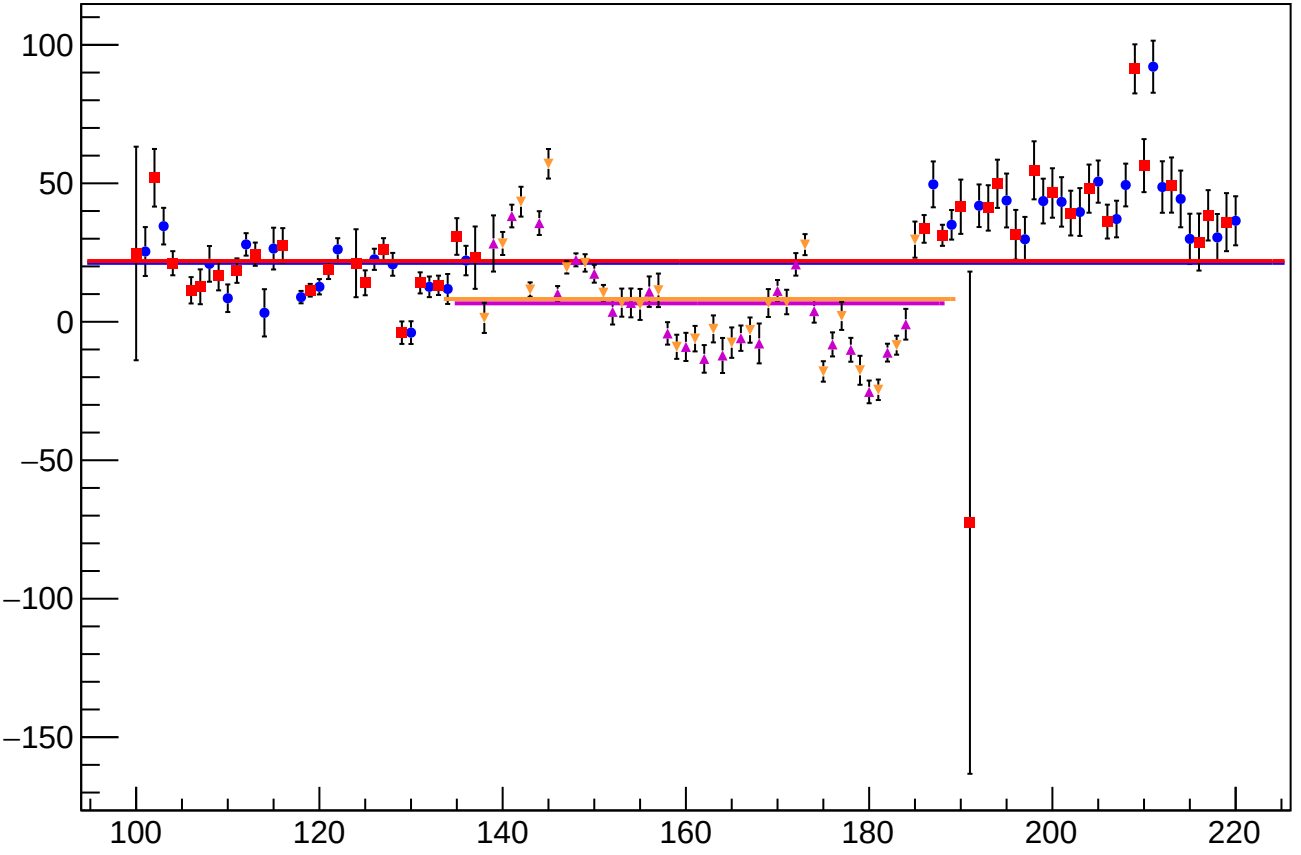
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -229.561+/-0.646 χ^2/NDF: 11073.4/57

All: -232.708+/-0.454 χ^2/NDF: 23598.8/117

- sign -235.792+/-0.639 χ^2/NDF: 12478.4/59

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 21.294+/-0.923 χ^2/NDF: 265.8/32

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 21.938+/-0.901 χ^2/NDF: 254.2/36

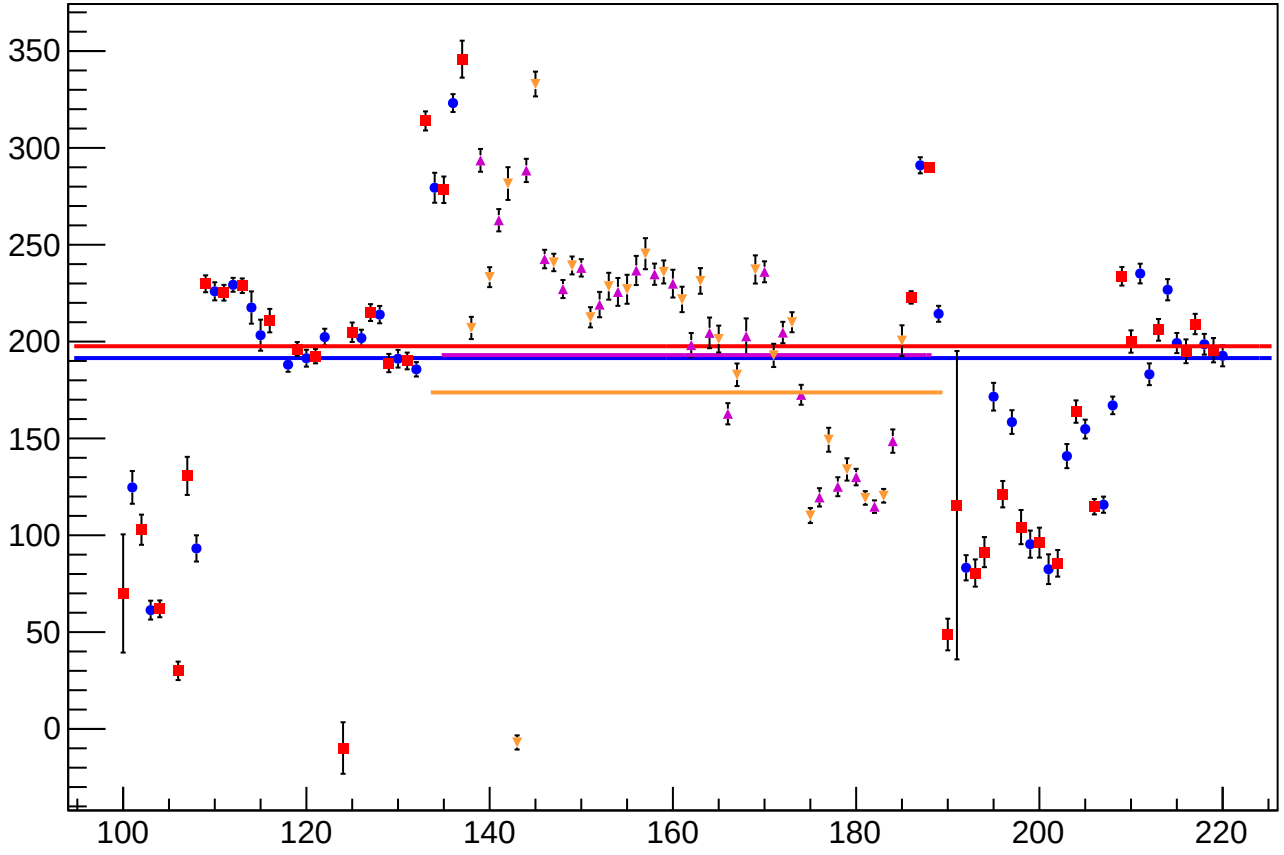
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 13.850+/-0.606 χ^2/NDF: 837.8/57

All: 13.887+/-0.434 χ^2/NDF: 1597.7/117

- sign 13.926+/-0.622 χ^2/NDF: 759.9/59

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 191.491+/-0.875 χ^2/NDF: 4052.1/32

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 197.596+/-0.825 χ^2/NDF: 7617.1/36

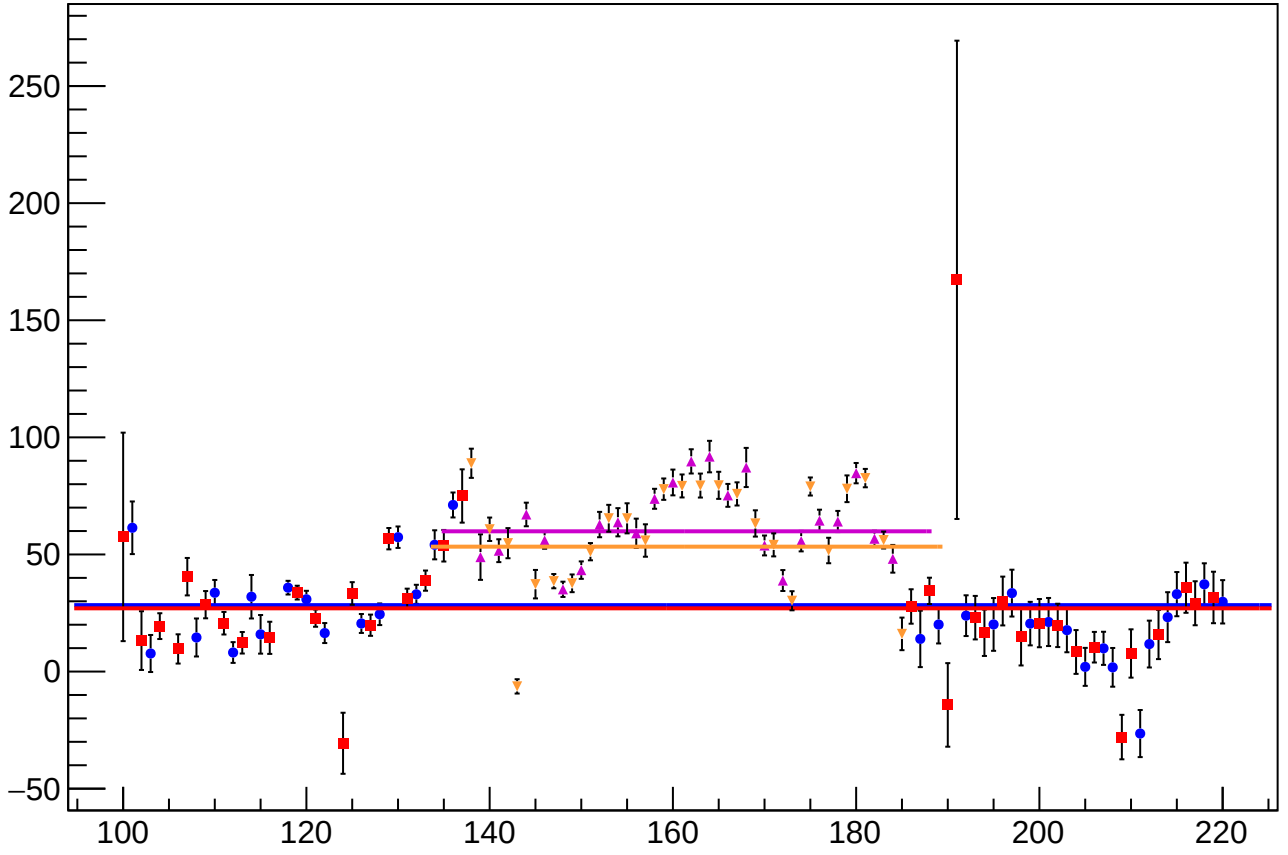
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

\+ sign 184.369+/-0.677 χ^2/NDF: 9477.8/57

All: 190.289+/-0.474 χ^2/NDF: 19767.7/117

\- sign 195.992+/-0.665 χ^2/NDF: 10139.9/59

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 28.363+/-1.069 χ^2/NDF: 252.6/32

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 26.996+/-1.052 χ^2/NDF: 206.3/36

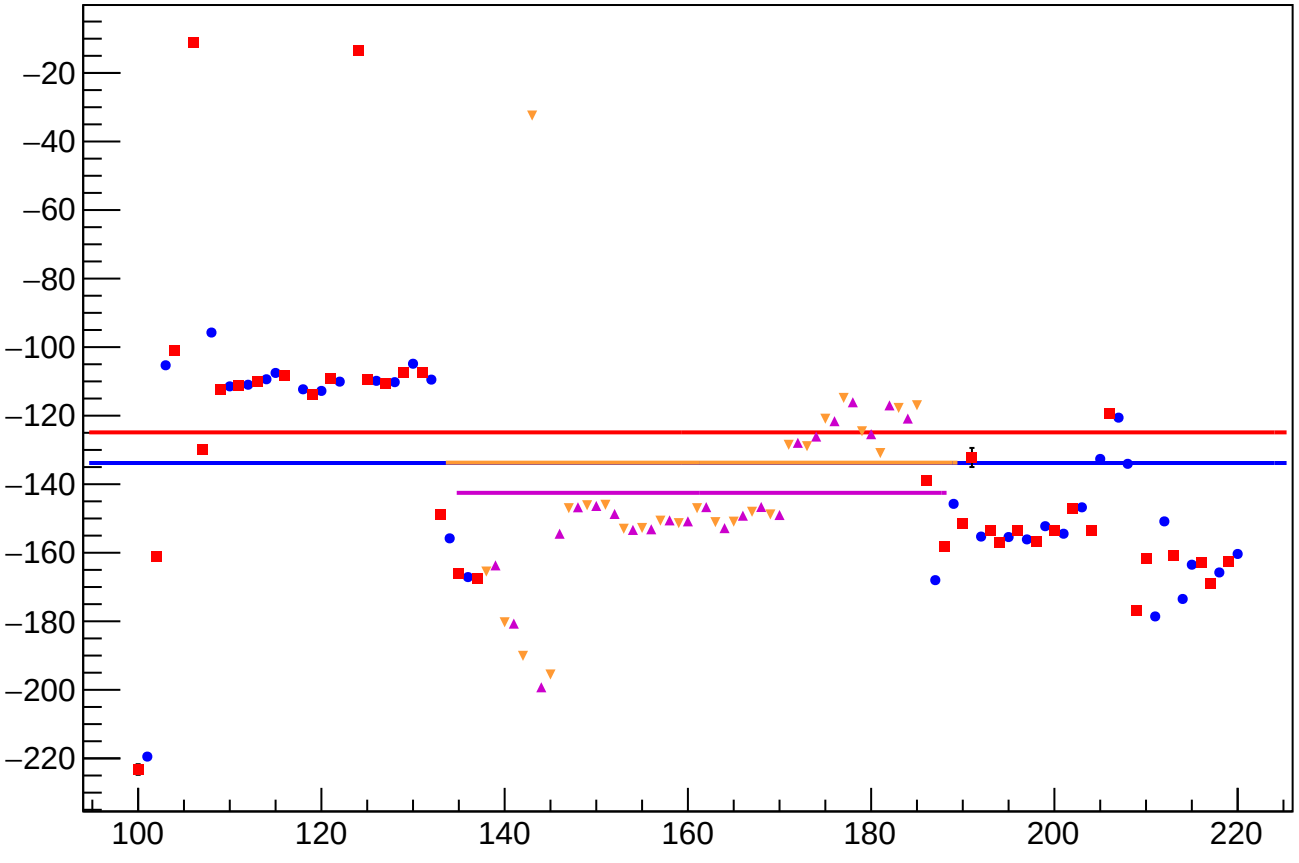
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 42.684+/-0.698 χ^2/NDF: 1344.4/57

All: 43.648+/-0.500 χ^2/NDF: 2330.6/117

- sign 44.661+/-0.716 χ^2/NDF: 982.3/59

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -133.812+/-0.059 χ^2/NDF: 201541.8/32

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -124.876+/-0.057 χ^2/NDF: 536403.3/36

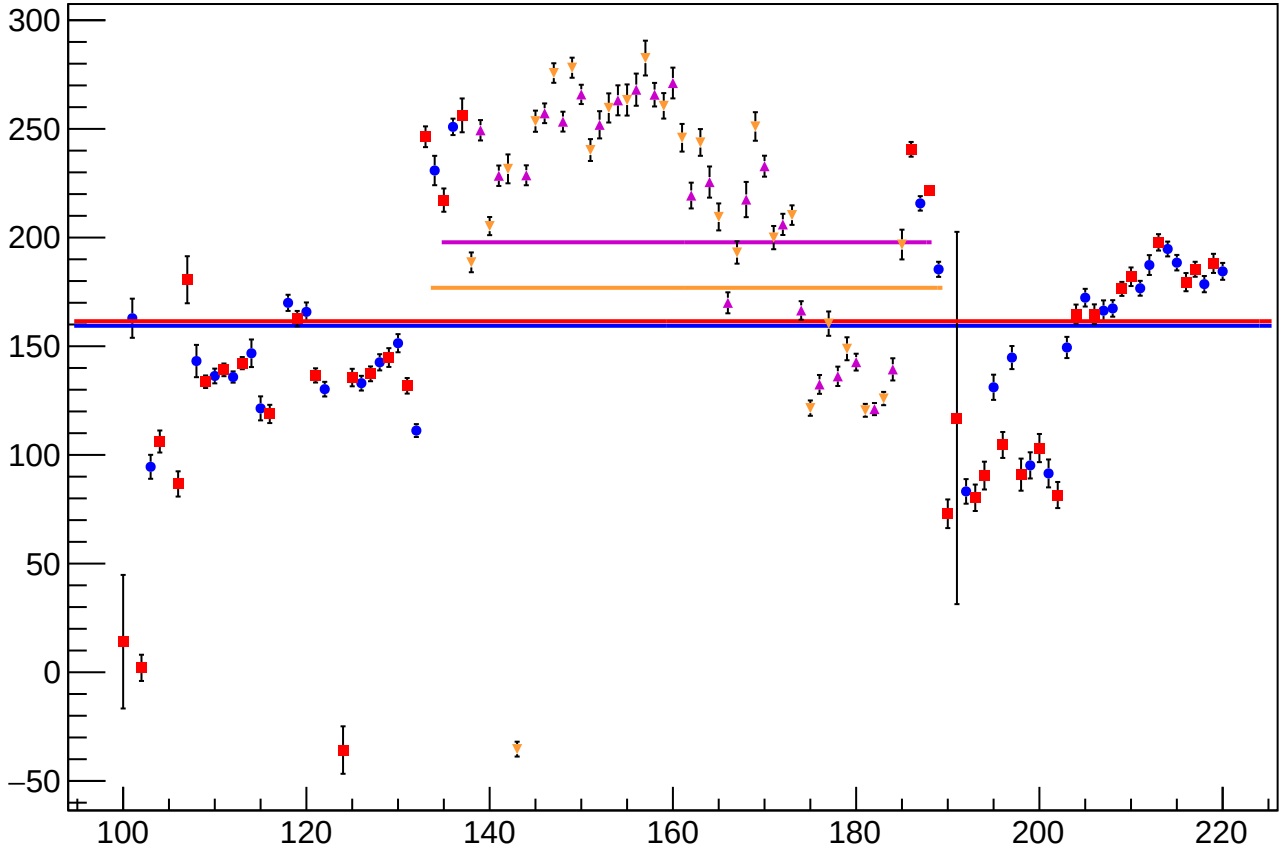
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -133.745+/-0.035 χ^2/NDF: 877469.4/57

All: -134.773+/-0.025 χ^2/NDF: 1654000.3/11

- sign -135.824+/-0.035 χ^2/NDF: 774745.6/59

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 159.416+/-0.713 χ^2/NDF: 2561.8/32

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 161.524+/-0.678 χ^2/NDF: 5293.5/36

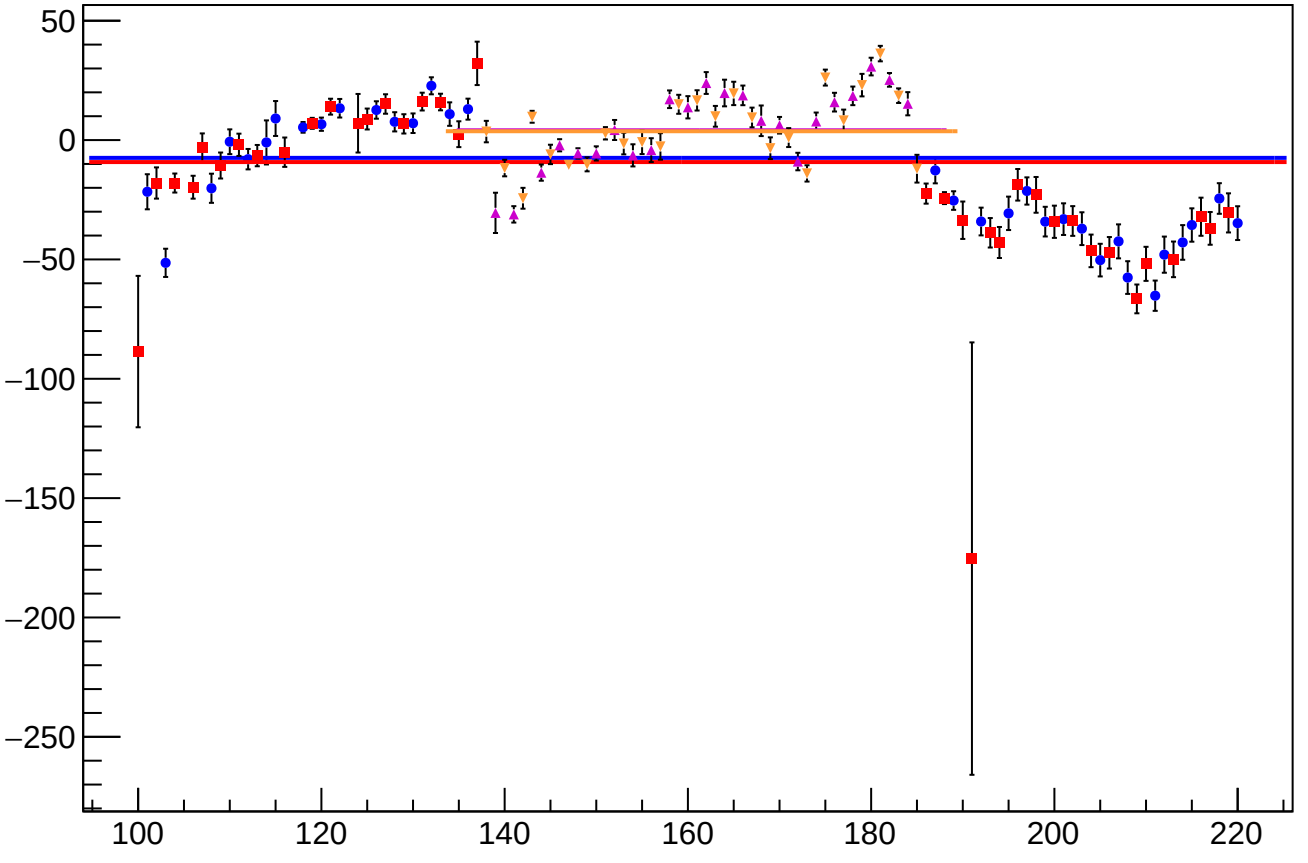
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 165.648+/-0.572 χ^2/NDF: 10200.6/57

All: 169.317+/-0.401 χ^2/NDF: 19438.4/117

- sign 172.861+/-0.562 χ^2/NDF: 9156.9/59

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -7.449+/-0.846 χ^2/NDF: 724.3/32

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -9.211+/-0.814 χ^2/NDF: 708.8/36

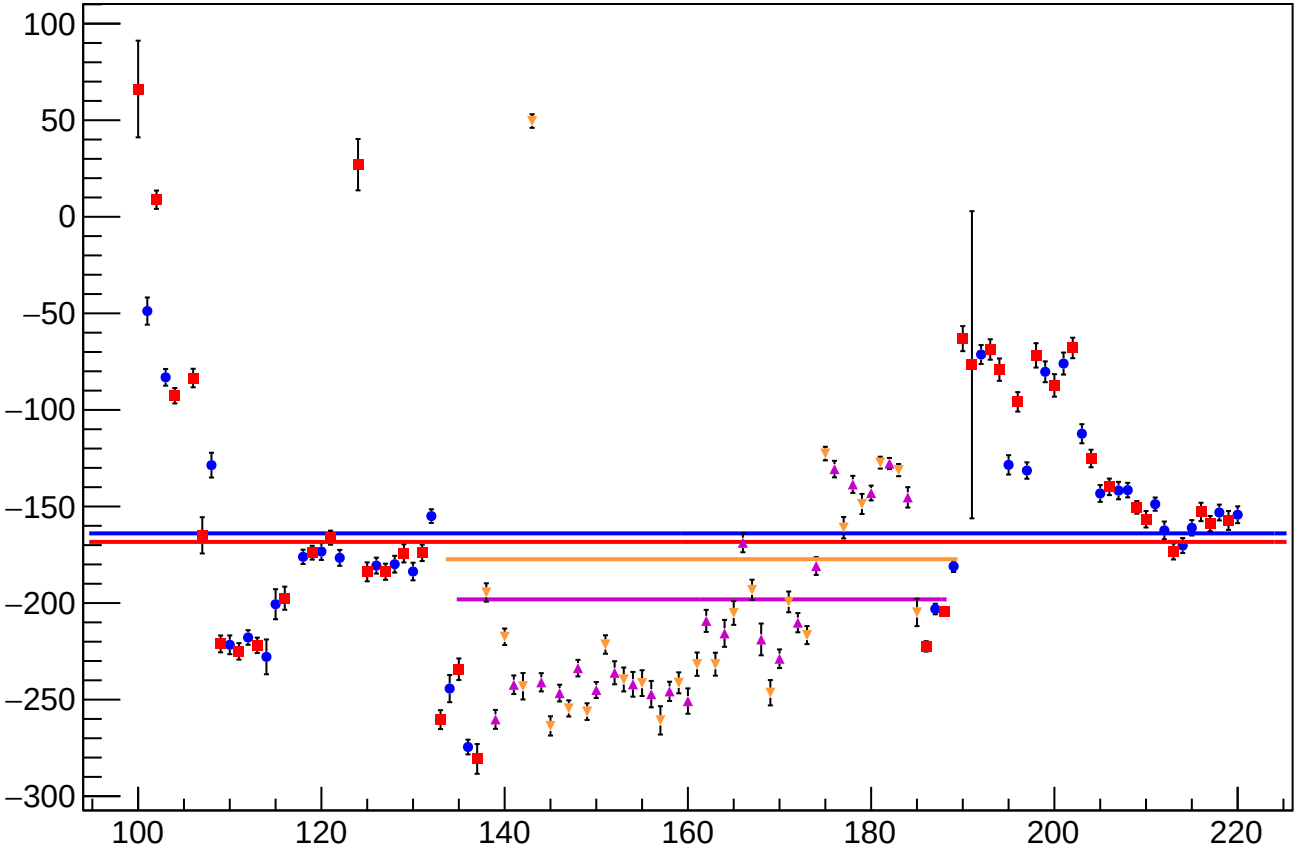
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign -1.007+/-0.550 χ^2/NDF: 1225.7/57

All: -1.580+/-0.392 χ^2/NDF: 2477.0/117

- sign -2.173+/-0.559 χ^2/NDF: 1249.1/59

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -163.920+/-0.747 χ^2/NDF: 3521.2/32

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -168.330+/-0.688 χ^2/NDF: 6716.6/36

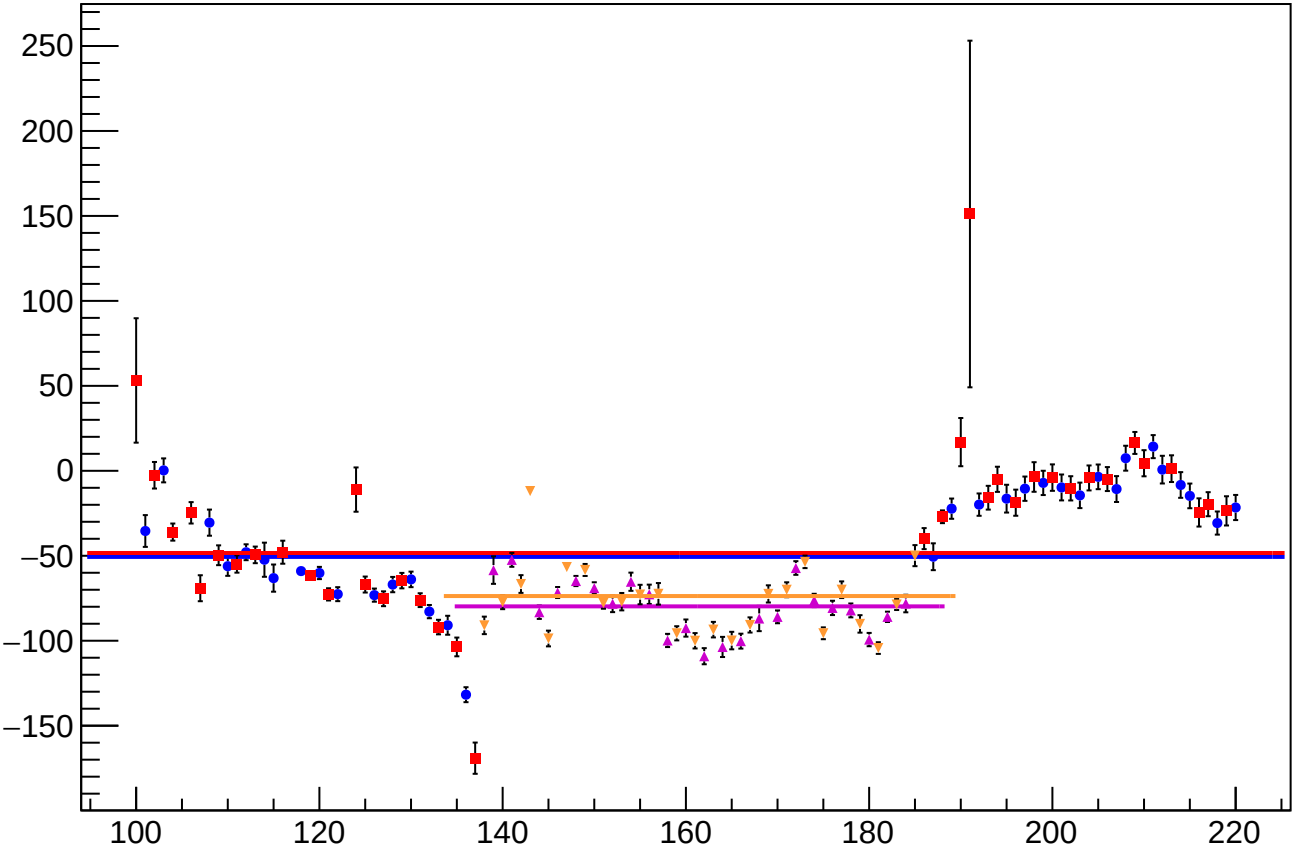
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -168.985+/-0.589 χ^2/NDF: 10682.5/57

All: -173.607+/-0.408 χ^2/NDF: 20505.0/117

- sign -177.896+/-0.567 χ^2/NDF: 9703.6/59

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -50.669+/-0.980 χ^2/NDF: 1149.6/32

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -48.364+/-0.960 χ^2/NDF: 1147.0/36

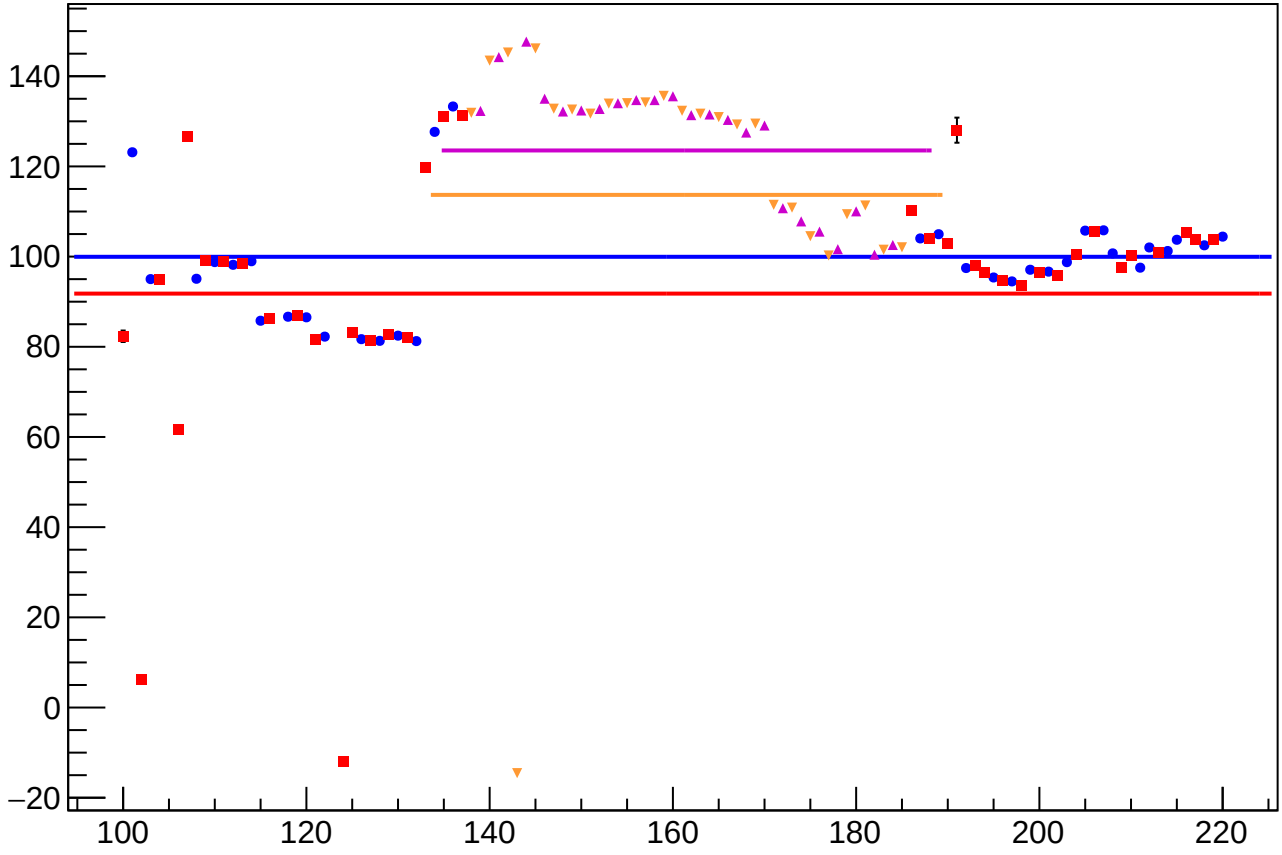
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

\+ sign -64.099+/-0.633 χ^2/NDF: 2311.3/57

All: -64.803+/-0.452 χ^2/NDF: 4323.5/117

\- sign -65.537+/-0.646 χ^2/NDF: 2009.6/59

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.957+/-0.051 χ^2/NDF: 70396.0/32

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 91.794+/-0.048 χ^2/NDF: 291723.9/36

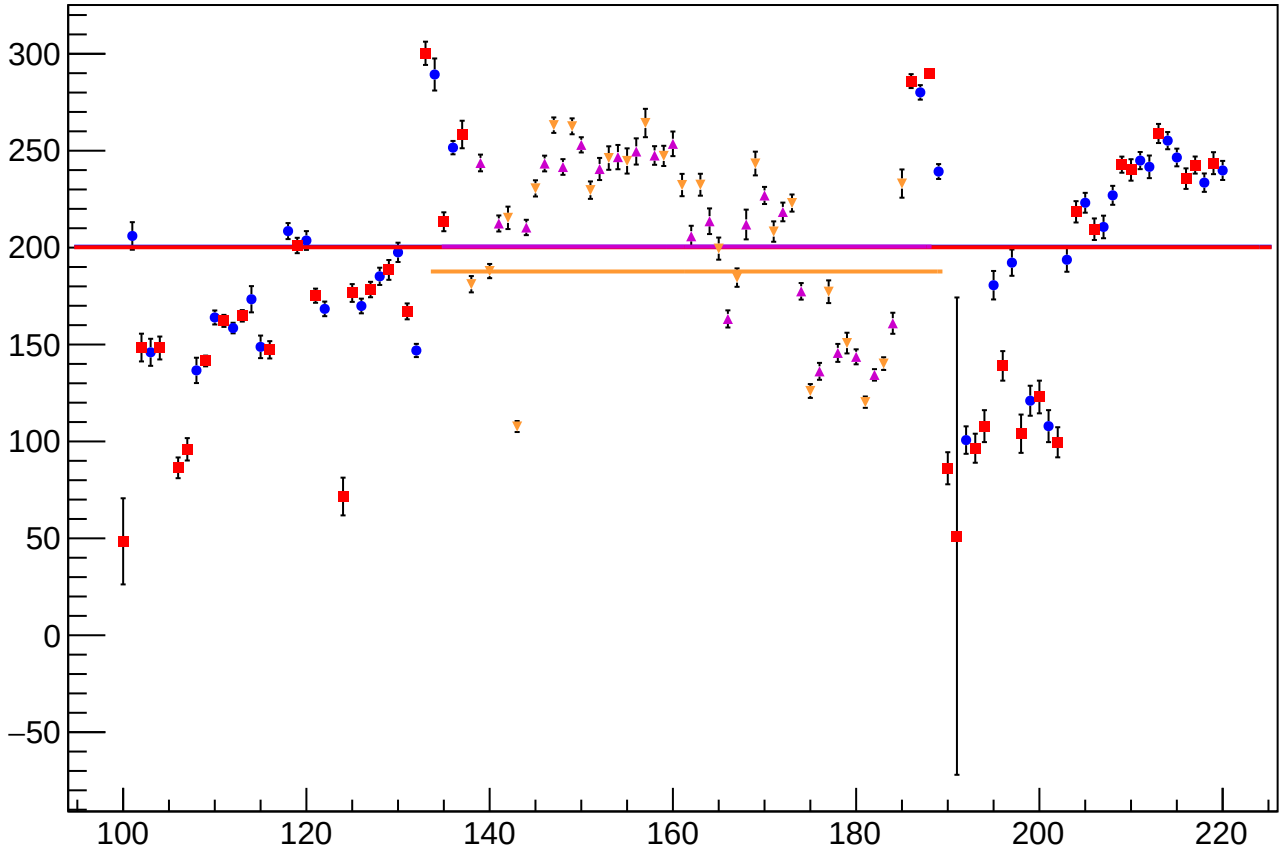
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 108.693+/-0.031 χ^2/NDF: 1080158.3/57

All: 109.753+/-0.022 χ^2/NDF: 1766166.2/117

- sign 110.818+/-0.031 χ^2/NDF: 683600.3/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 200.481+/-0.824 χ^2/NDF: 2885.7/32

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 200.189+/-0.764 χ^2/NDF: 6581.8/36

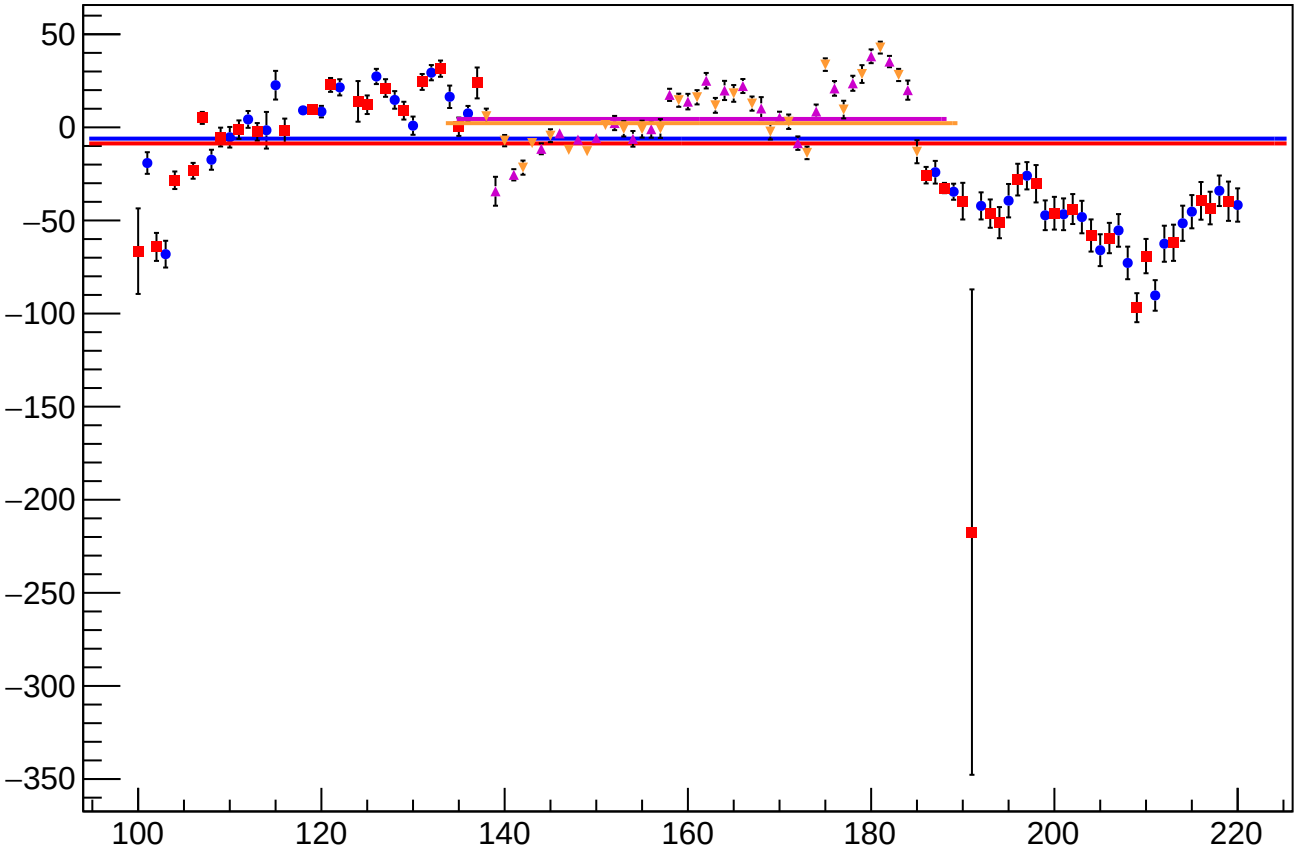
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

\+ sign 194.627+/-0.607 χ^2/NDF: 6524.4/57

All: 197.522+/-0.425 χ^2/NDF: 15262.4/117

\- sign 200.318+/-0.597 χ^2/NDF: 8693.3/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -6.052+/-0.955 χ^2/NDF: 910.1/32

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -8.640+/-0.890 χ^2/NDF: 980.7/36

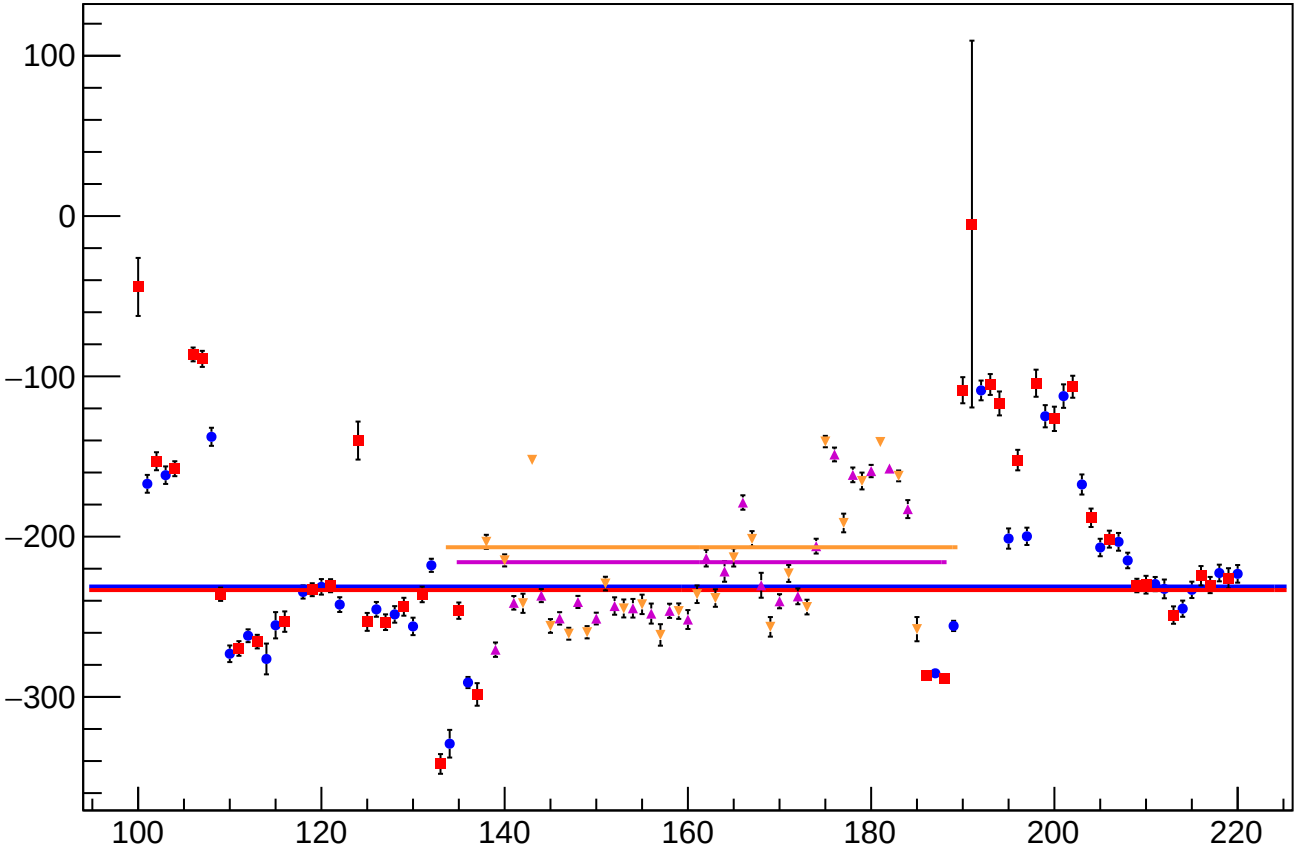
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign -0.462+/-0.545 χ^2/NDF: 1561.8/57

All: -0.548+/-0.390 χ^2/NDF: 3222.5/117

- sign -0.637+/-0.557 χ^2/NDF: 1660.6/59

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -231.124+/-0.865 χ^2/NDF: 2695.6/32

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

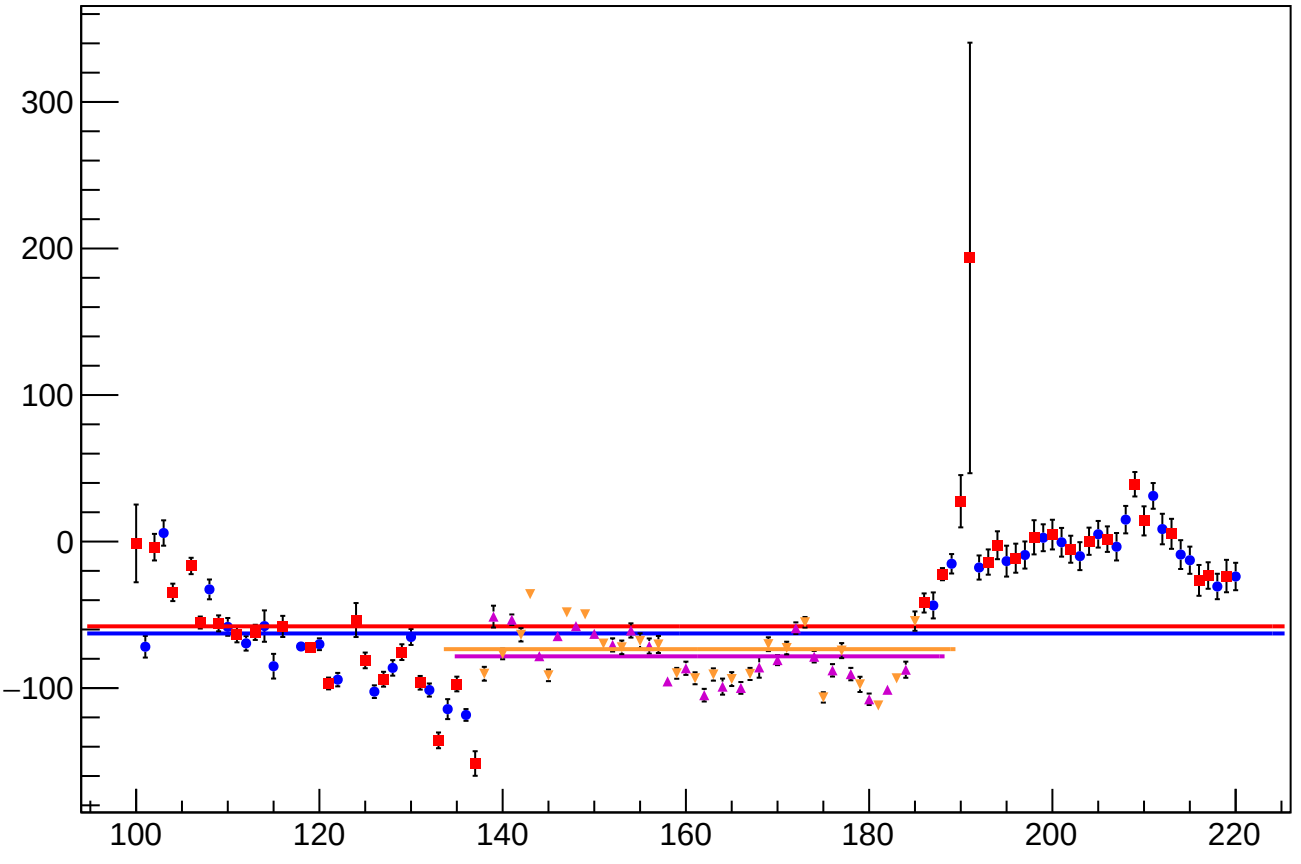
Right Out: -233.339+/-0.777 χ^2/NDF: 6672.4/36

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -219.277+/-0.622 χ^2/NDF: 5551.0/57

All: -222.926+/-0.432 χ^2/NDF: 14203.7/117

- sign -226.328+/-0.601 χ^2/NDF: 8586.3/59



Right In: -62.715+/-1.110 χ^2/NDF: 1256.8/32

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

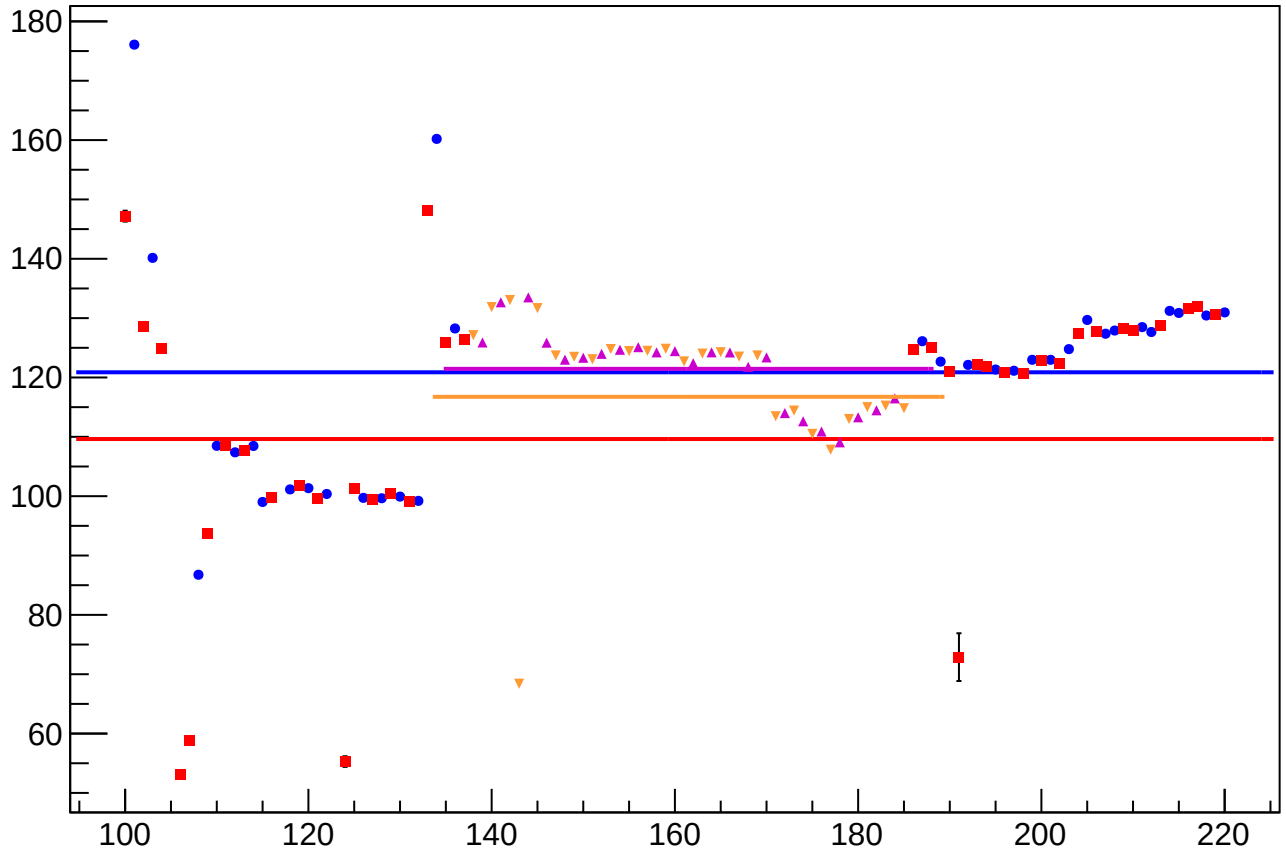
Right Out: -57.855+/-1.056 χ^2/NDF: 1397.2/36

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -69.964+/-0.631 χ^2/NDF: 2156.4/57

All: -70.302+/-0.451 χ^2/NDF: 4232.5/117

- sign -70.656+/-0.646 χ^2/NDF: 2075.6/59



Right In: 120.875+/-0.058 χ^2/NDF: 100605.3/32

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

Right Out: 109.630+/-0.054 χ^2/NDF: 217880.5/36

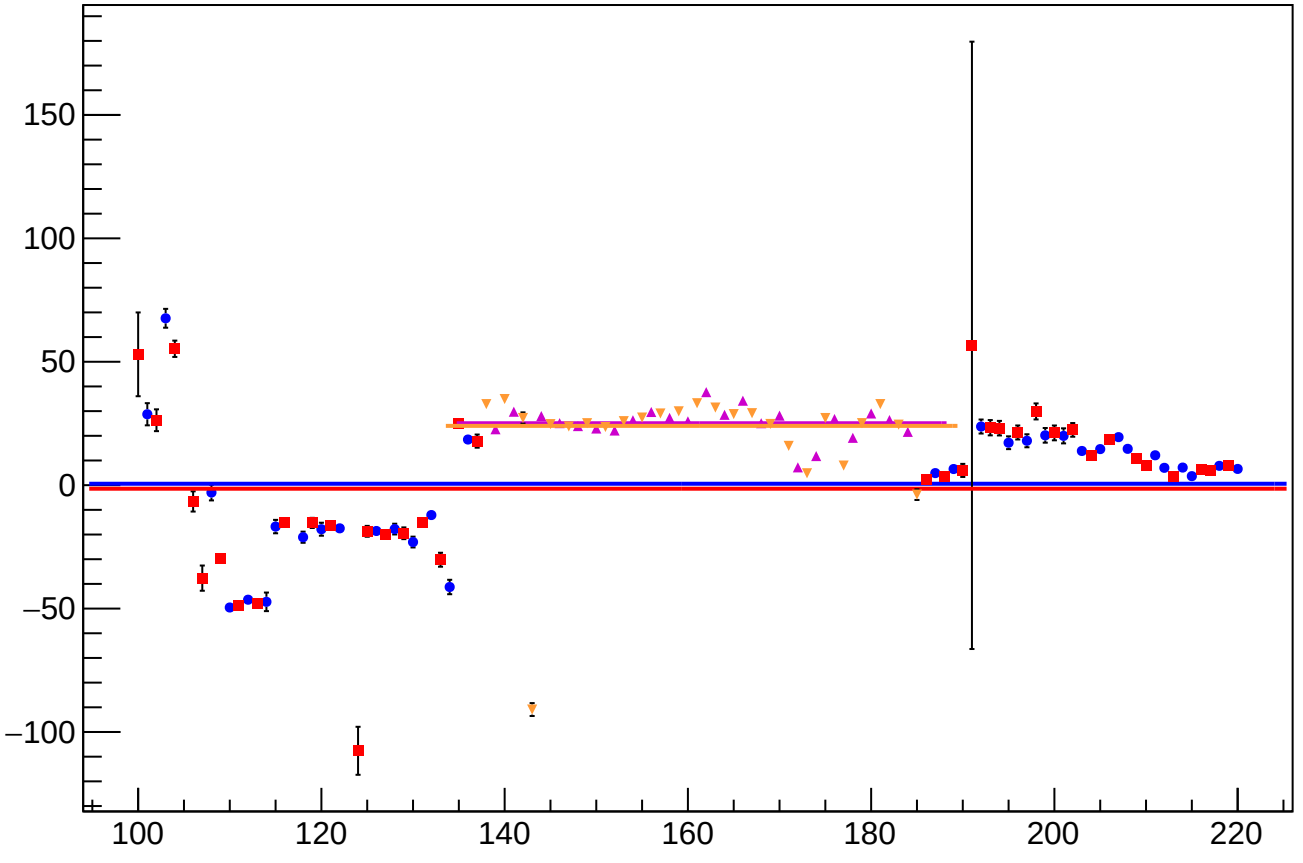
Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.868+/-0.031 χ^2/NDF: 307889.6/57

All: 117.764+/-0.022 χ^2/NDF: 586914.0/117

- sign 117.659+/-0.031 χ^2/NDF: 279001.1/59

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 0.576+/-0.340 χ^2/NDF: 3746.8/32

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -1.434+/-0.332 χ^2/NDF: 3970.4/36

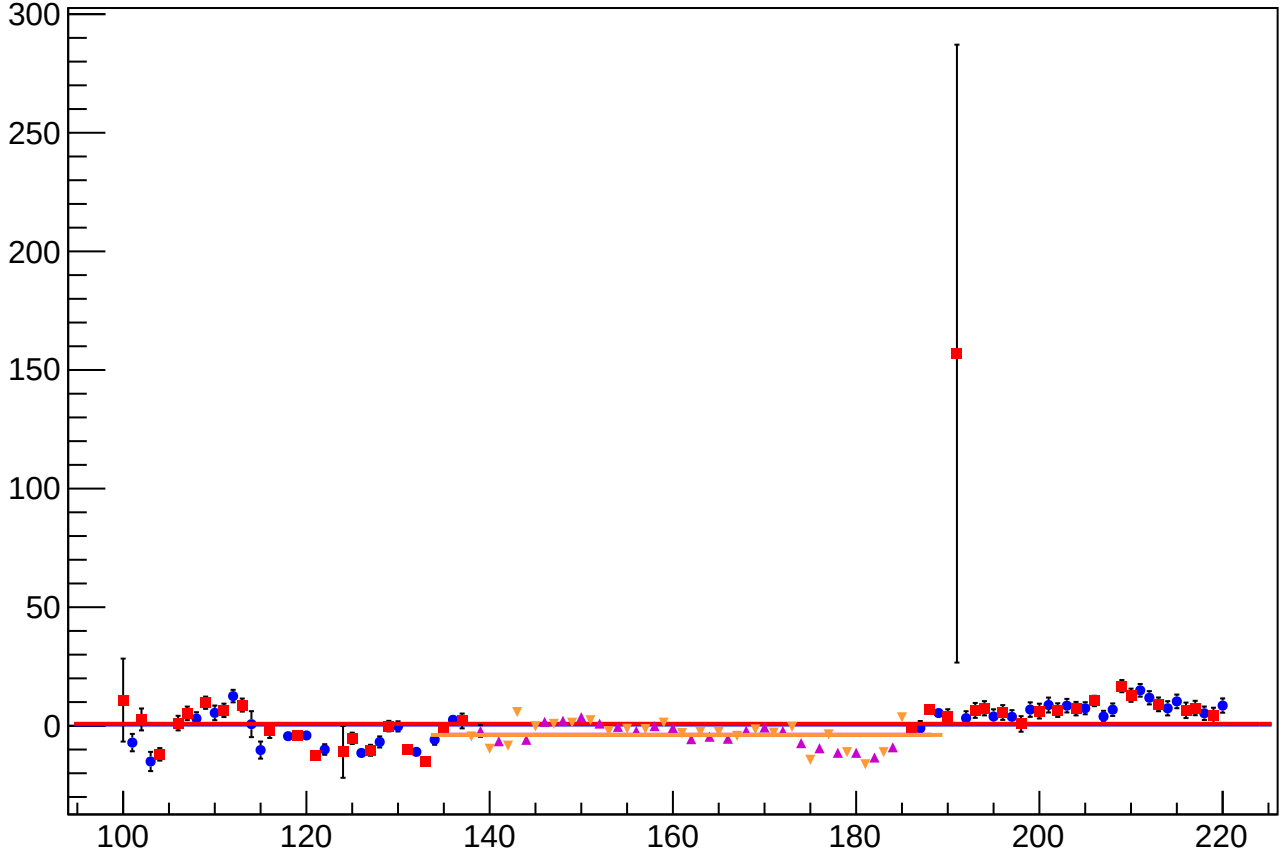
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 14.463+/-0.217 χ^2/NDF: 9368.2/57

All: 14.090+/-0.153 χ^2/NDF: 17495.9/117

- sign 13.718+/-0.217 χ^2/NDF: 8121.9/59

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: 0.544+/-0.427 χ^2/NDF: 296.8/32

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

Right Out: 0.852+/-0.417 χ^2/NDF: 364.6/36

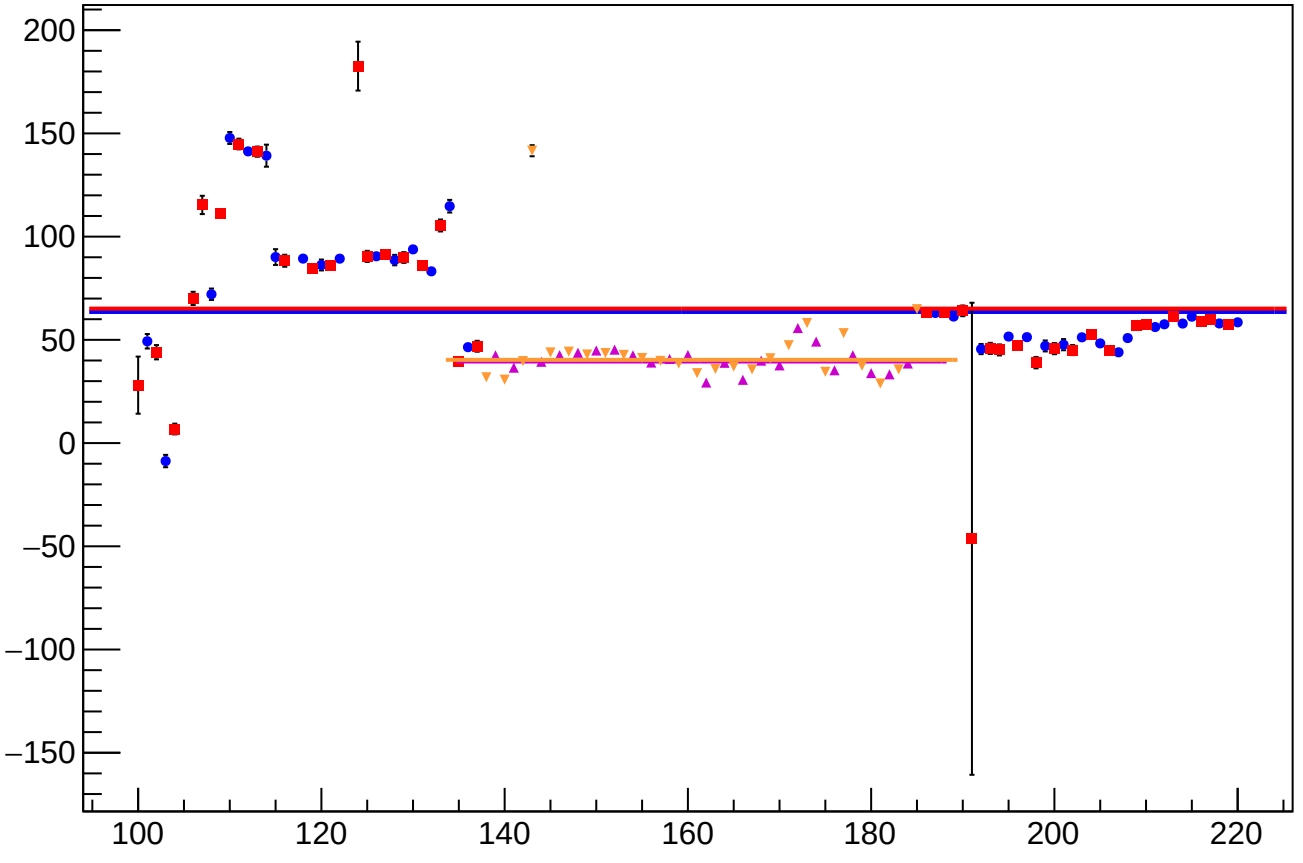
Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -2.937+/-0.194 χ^2/NDF: 1030.1/57

All: -2.842+/-0.138 χ^2/NDF: 2001.0/117

- sign -2.744+/-0.197 χ^2/NDF: 970.4/59

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 63.508+/-0.353 χ^2/NDF: 4696.5/32

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

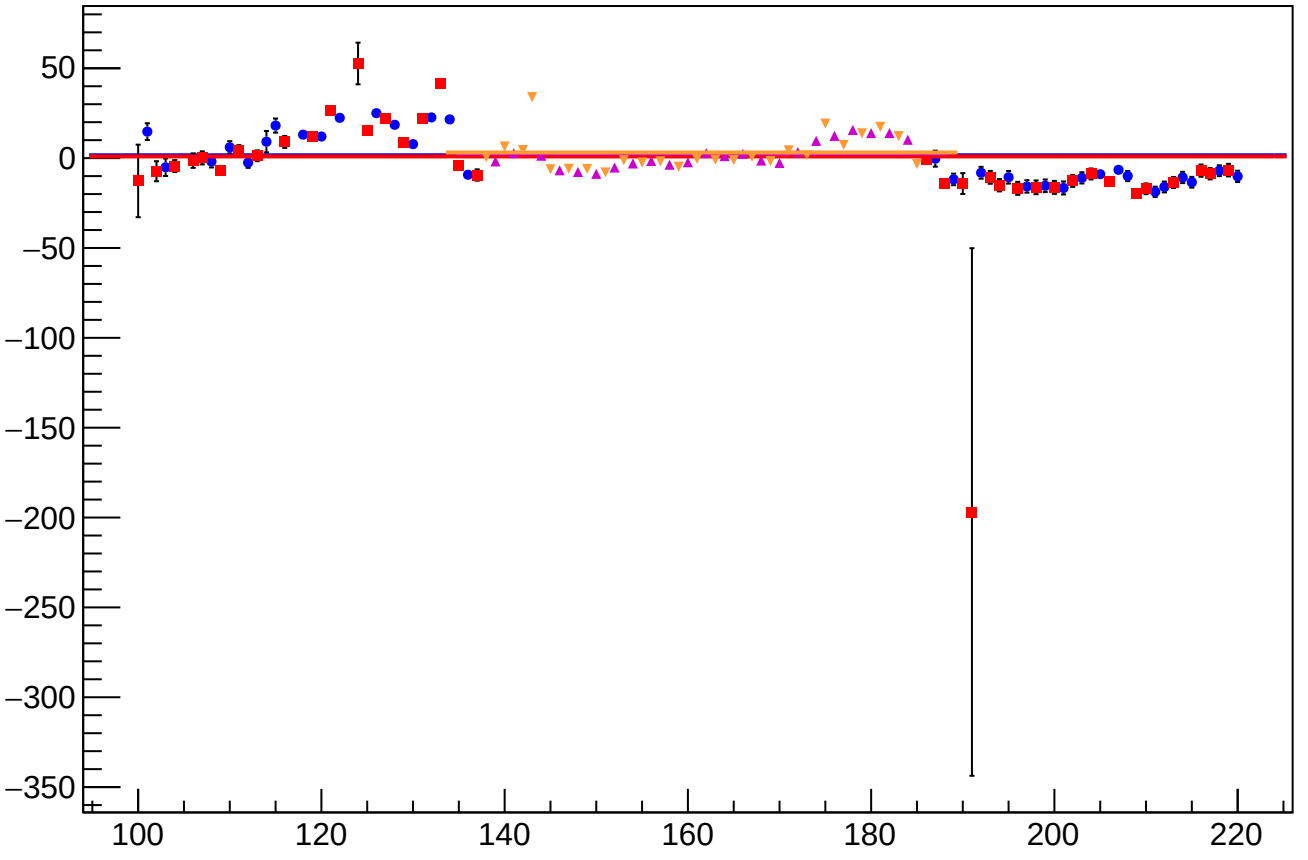
Right Out: 65.131+/-0.335 χ^2/NDF: 4872.8/36

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

+ sign 49.289+/-0.219 χ^2/NDF: 9531.3/57

All: 49.770+/-0.154 χ^2/NDF: 18239.6/117

- sign 50.240+/-0.217 χ^2/NDF: 8698.8/59



Right In: 1.589+/-0.483 χ^2/NDF: 873.5/32

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

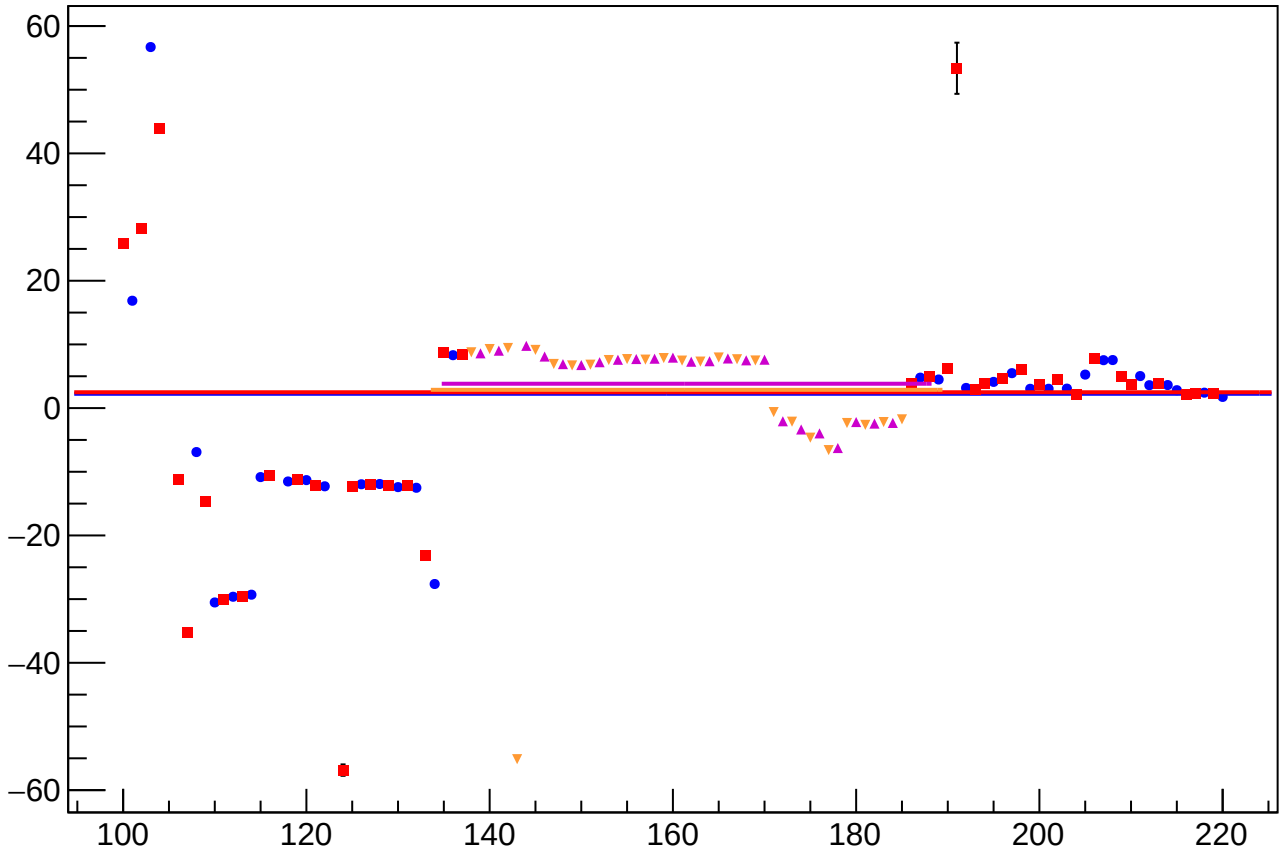
Right Out: 0.943+/-0.485 χ^2/NDF: 1047.0/36

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 2.824+/-0.219 χ^2/NDF: 2148.7/57

All: 2.510+/-0.156 χ^2/NDF: 4176.4/117

- sign 2.185+/-0.223 χ^2/NDF: 2023.5/59



Right In: 2.248+/-0.023 χ^2/NDF: 383021.9/32

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.488+/-0.023 χ^2/NDF: 330763.0/36

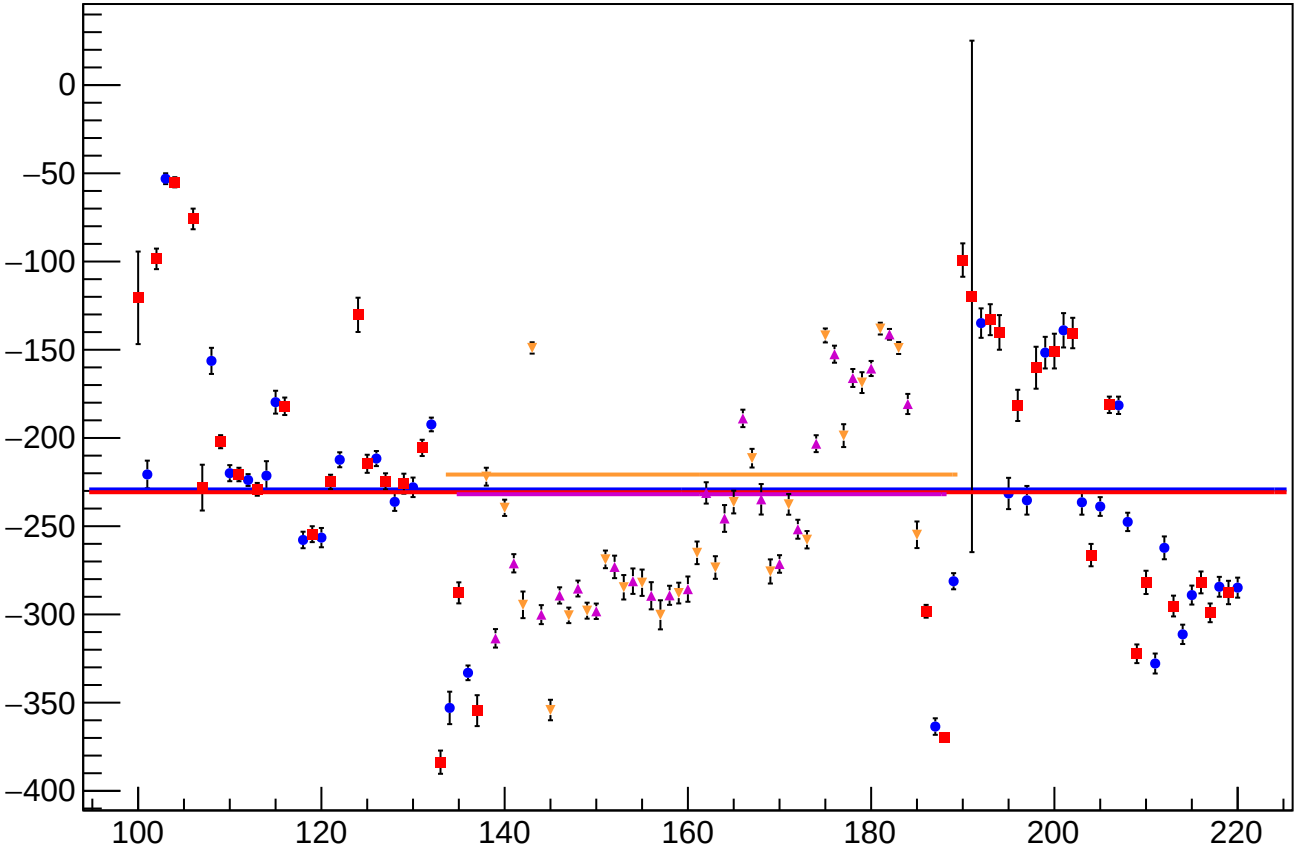
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.756+/-0.010 χ^2/NDF: 895940.7/57

All: 3.163+/-0.007 χ^2/NDF: 1466000.0/117

- sign 3.579+/-0.010 χ^2/NDF: 566654.6/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -229.167+/-0.916 χ^2/NDF: 6674.8/32

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -230.739+/-0.860 χ^2/NDF: 11153.5/36

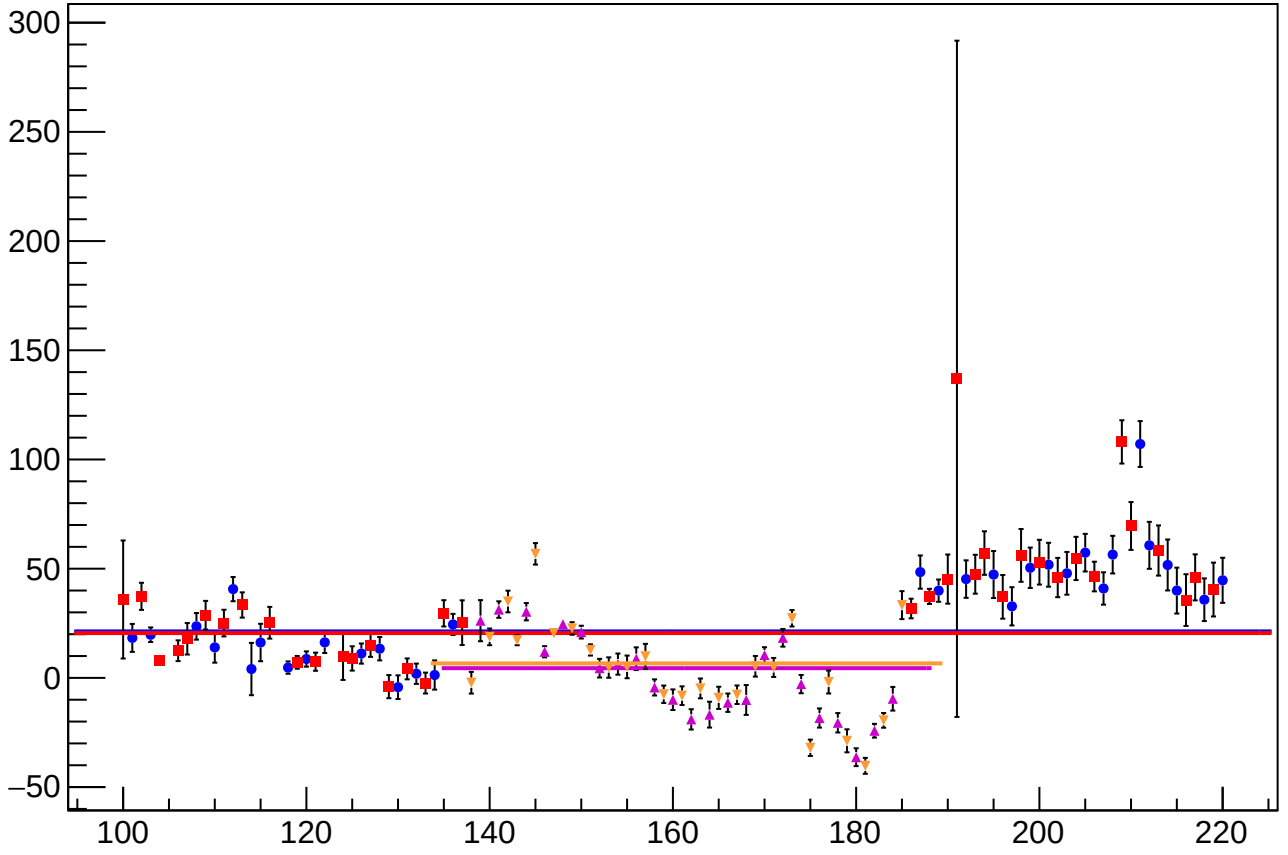
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

+ sign -225.387+/-0.681 χ^2/NDF: 10765.0/57

All: -228.322+/-0.478 χ^2/NDF: 25116.2/117

- sign -231.180+/-0.672 χ^2/NDF: 14314.5/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 21.284+/-1.046 χ^2/NDF: 327.5/32

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

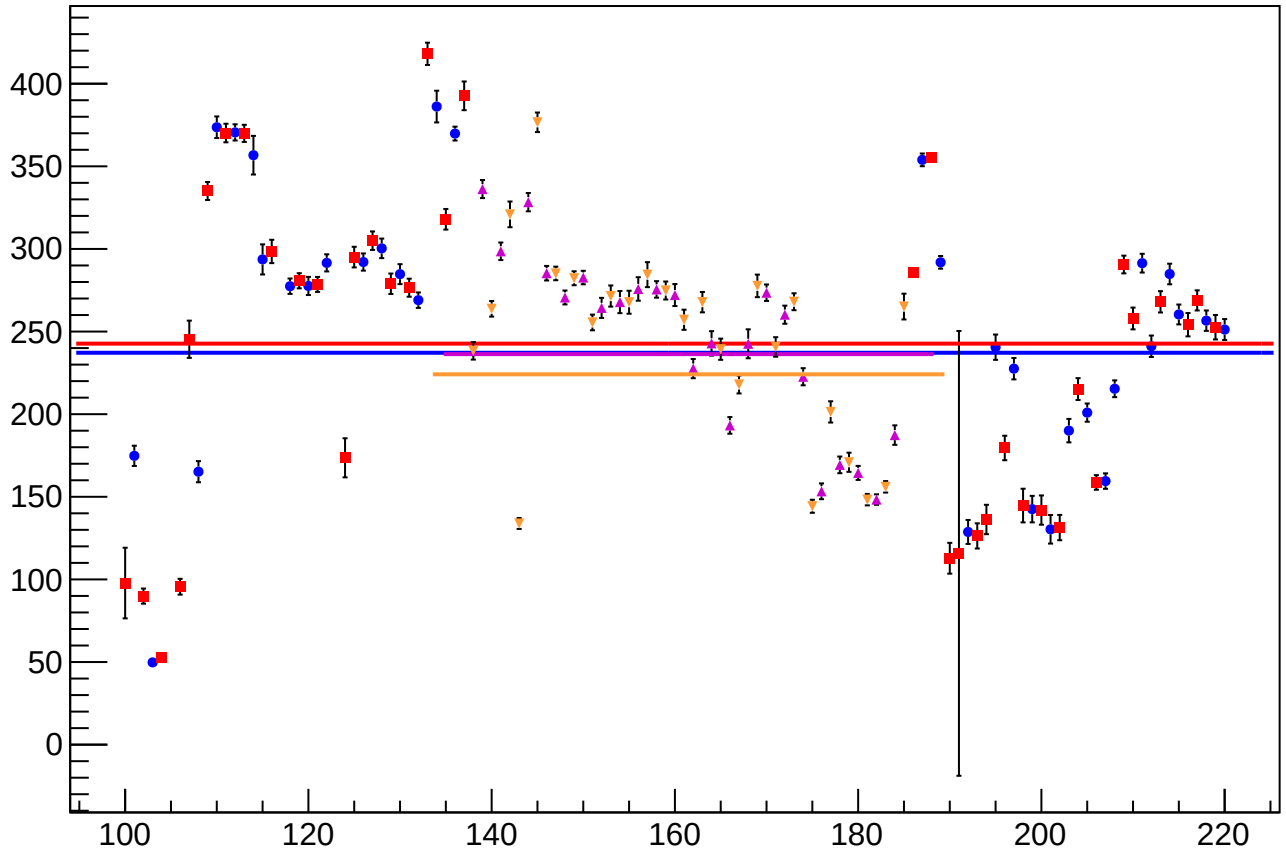
Right Out: 20.524+/-0.963 χ^2/NDF: 377.1/36

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

\+ sign 11.634+/-0.611 χ^2/NDF: 1191.5/57

All: 11.360+/-0.435 χ^2/NDF: 2299.8/117

\- sign 11.079+/-0.619 χ^2/NDF: 1107.9/59



Right In: 237.170+/-0.932 χ^2/NDF: 11609.7/32

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 242.694+/-0.849 χ^2/NDF: 17102.3/36

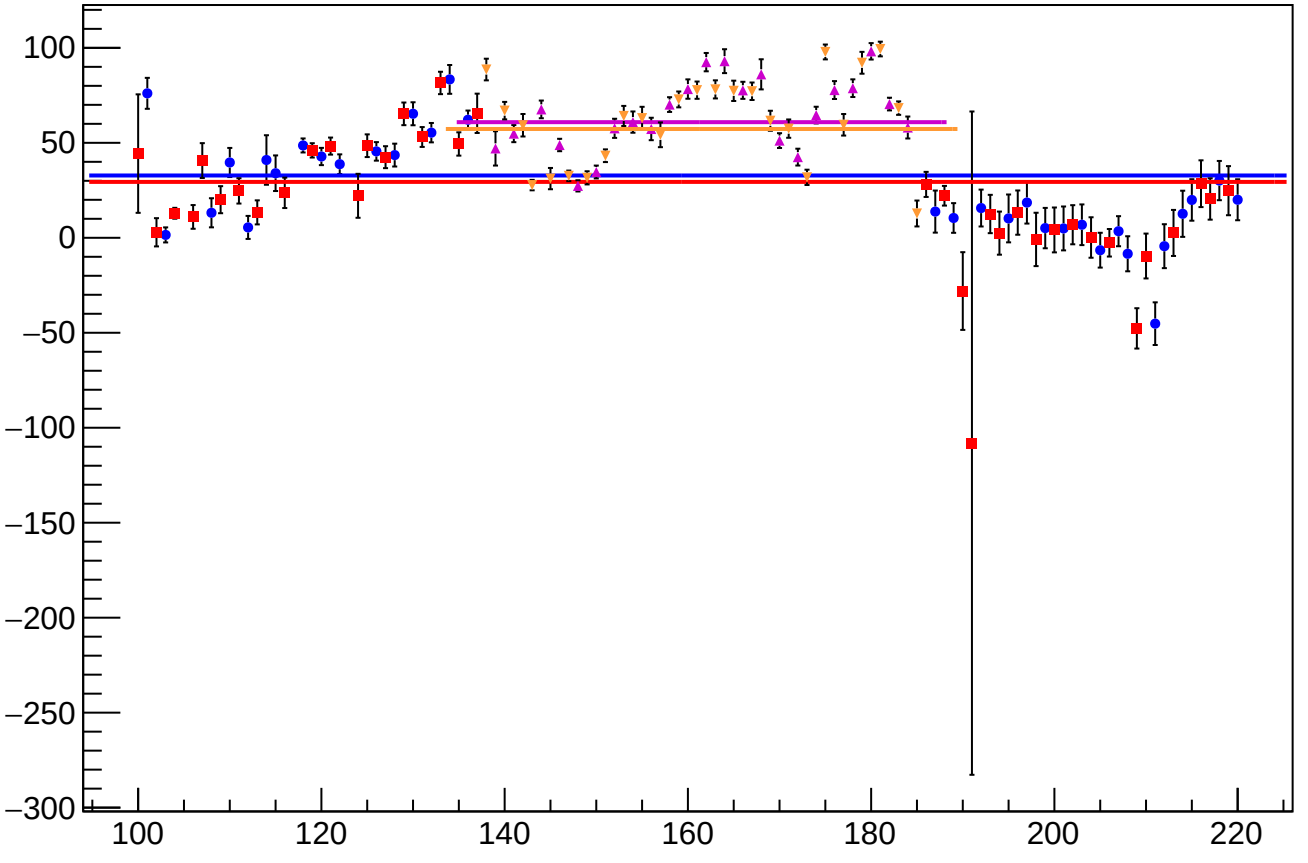
Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 231.192+/-0.686 χ^2/NDF: 15666.1/57

All: 235.858+/-0.477 χ^2/NDF: 35872.6/117

- sign 240.230+/-0.664 χ^2/NDF: 20116.9/59

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 32.805+/-1.217 χ^2/NDF: 436.5/32

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

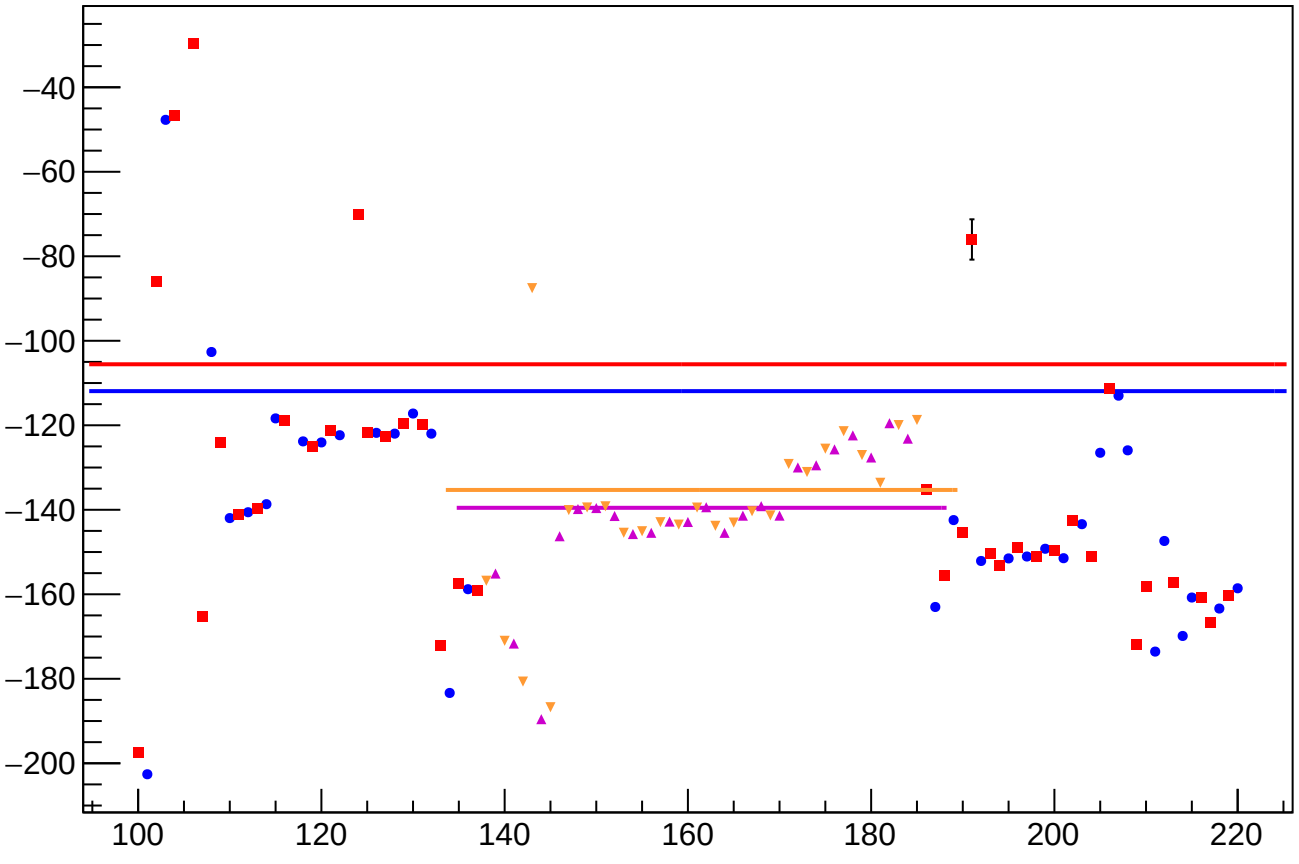
Right Out: 29.429+/-1.149 χ^2/NDF: 407.3/36

Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 49.036+/-0.707 χ^2/NDF: 1472.6/57

All: 48.797+/-0.504 χ^2/NDF: 2790.3/117

- sign 48.549+/-0.719 χ^2/NDF: 1317.5/59



Right In: -111.916+/-0.057 χ^2/NDF: 713403.1/32

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

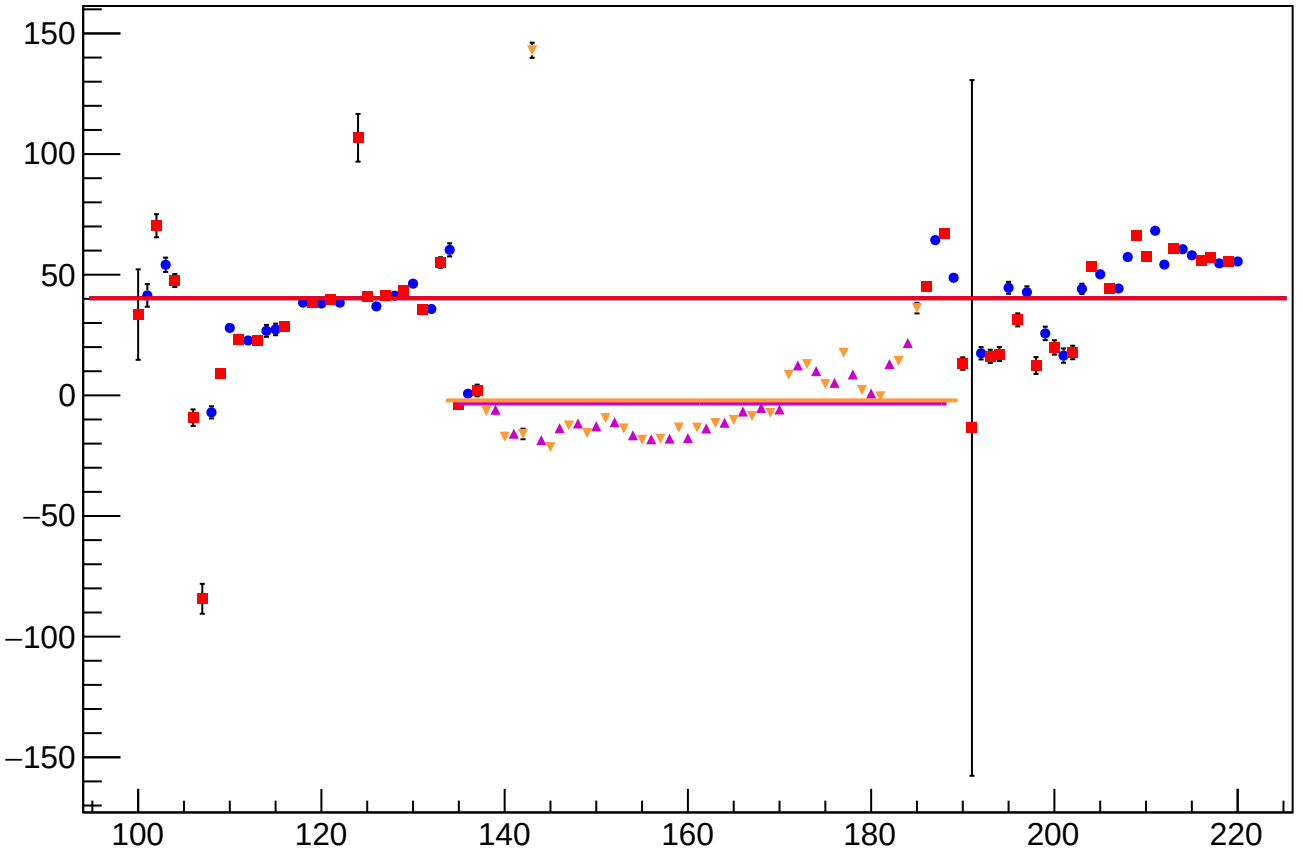
Right Out: -105.560+/-0.055 χ^2/NDF: 777307.3/36

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

\+ sign -127.381+/-0.033 χ^2/NDF: 1088852.3/57

All: -127.182+/-0.023 χ^2/NDF: 2221249.7/11

\- sign -126.978+/-0.033 χ^2/NDF: 1132323.9/59



Right In: 40.258+/-0.306 χ^2/NDF: 3467.9/32

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

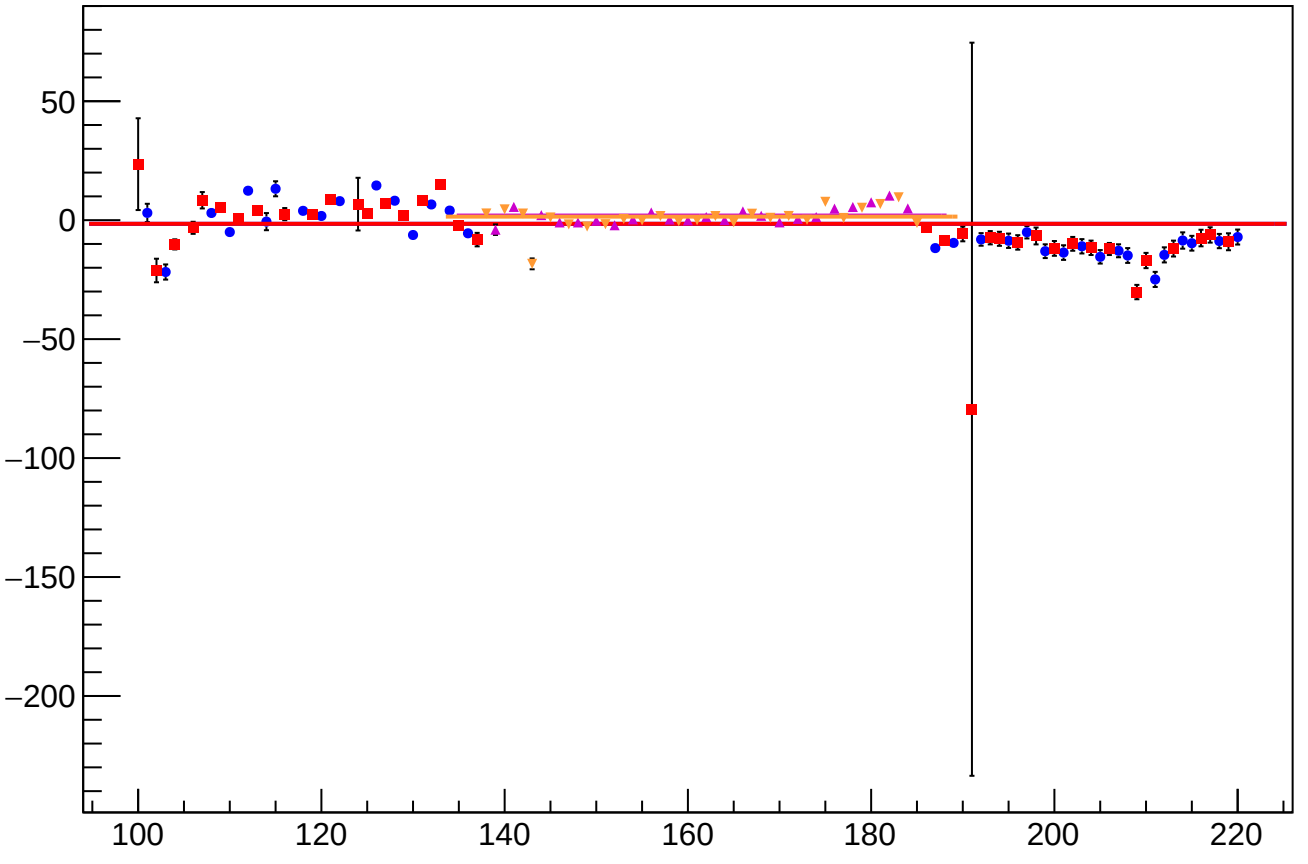
Right Out: 40.249+/-0.282 χ^2/NDF: 5579.2/36

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 16.178+/-0.201 χ^2/NDF: 18540.8/57

All: 16.882+/-0.140 χ^2/NDF: 38312.1/117

- sign 17.548+/-0.196 χ^2/NDF: 19747.5/59



Right In: -1.543+/-0.366 χ^2/NDF: 607.9/32

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

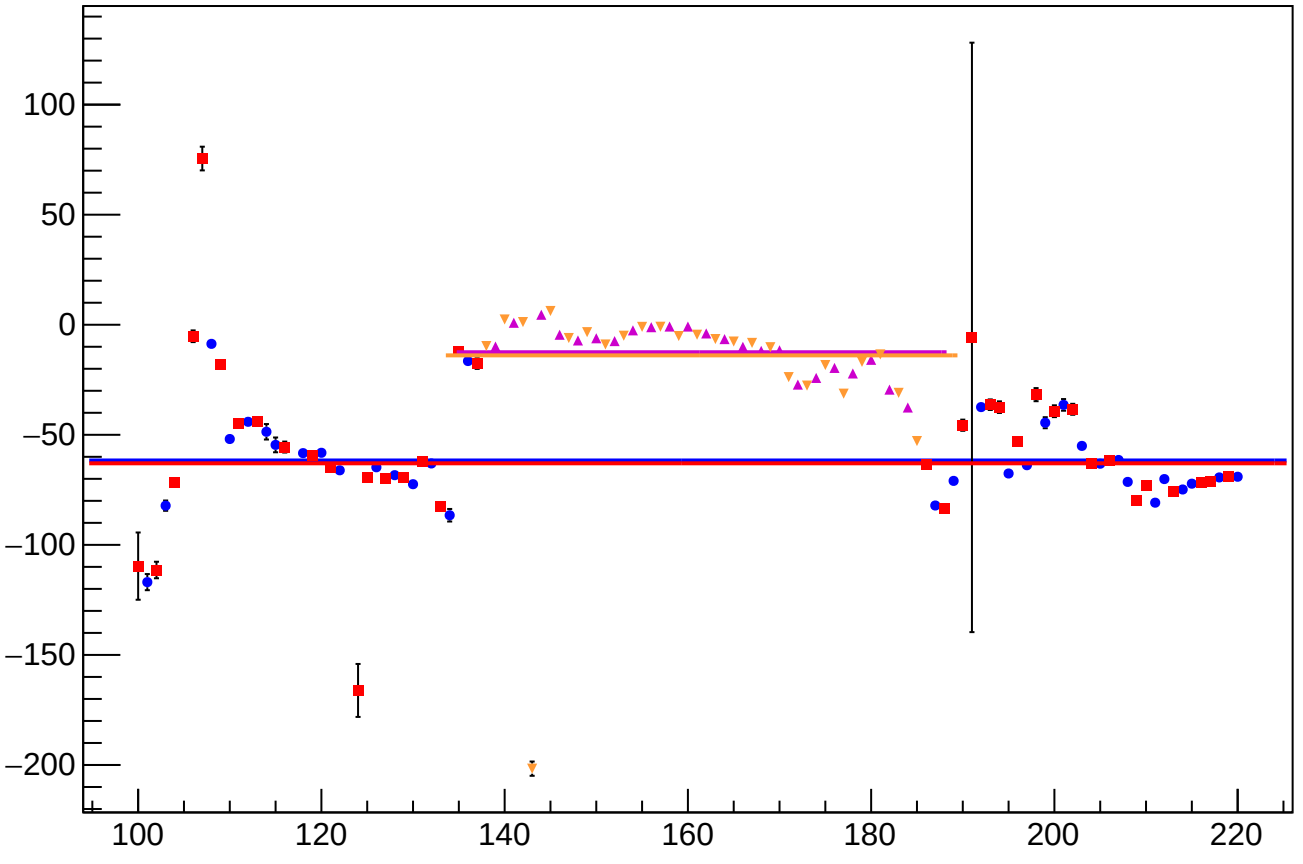
Right Out: -1.527+/-0.346 χ^2/NDF: 548.4/36

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 0.765+/-0.179 χ^2/NDF: 988.7/57

All: 0.881+/-0.127 χ^2/NDF: 1851.6/117

\- sign 0.999+/-0.180 χ^2/NDF: 862.1/59



Right In: -61.666+/-0.319 χ^2/NDF: 3697.8/32

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -62.948+/-0.282 χ^2/NDF: 5722.2/36

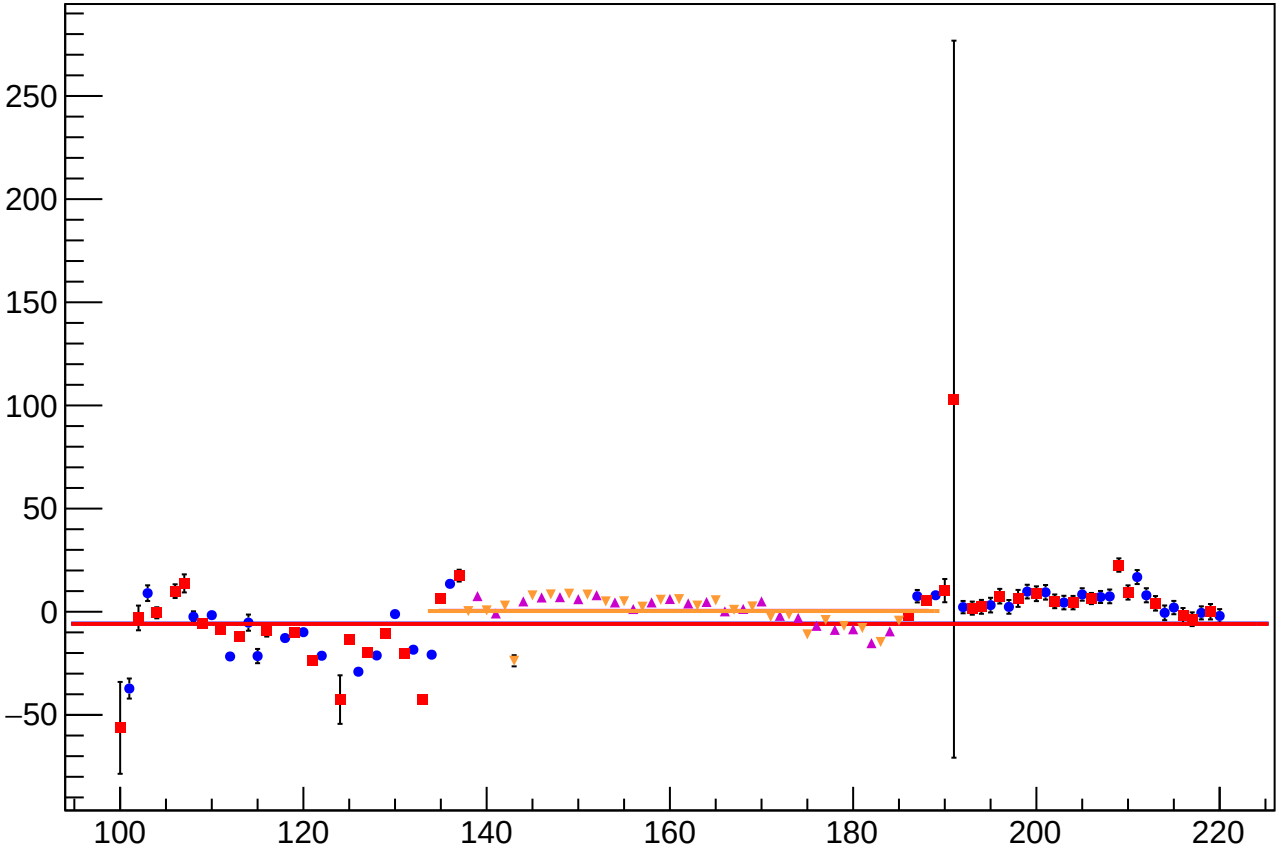
Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -33.369+/-0.204 χ^2/NDF: 22090.0/57

All: -35.011+/-0.141 χ^2/NDF: 46147.2/117

\- sign -36.507+/-0.195 χ^2/NDF: 23933.1/59

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -5.748+/-0.422 χ^2/NDF: 1014.1/32

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

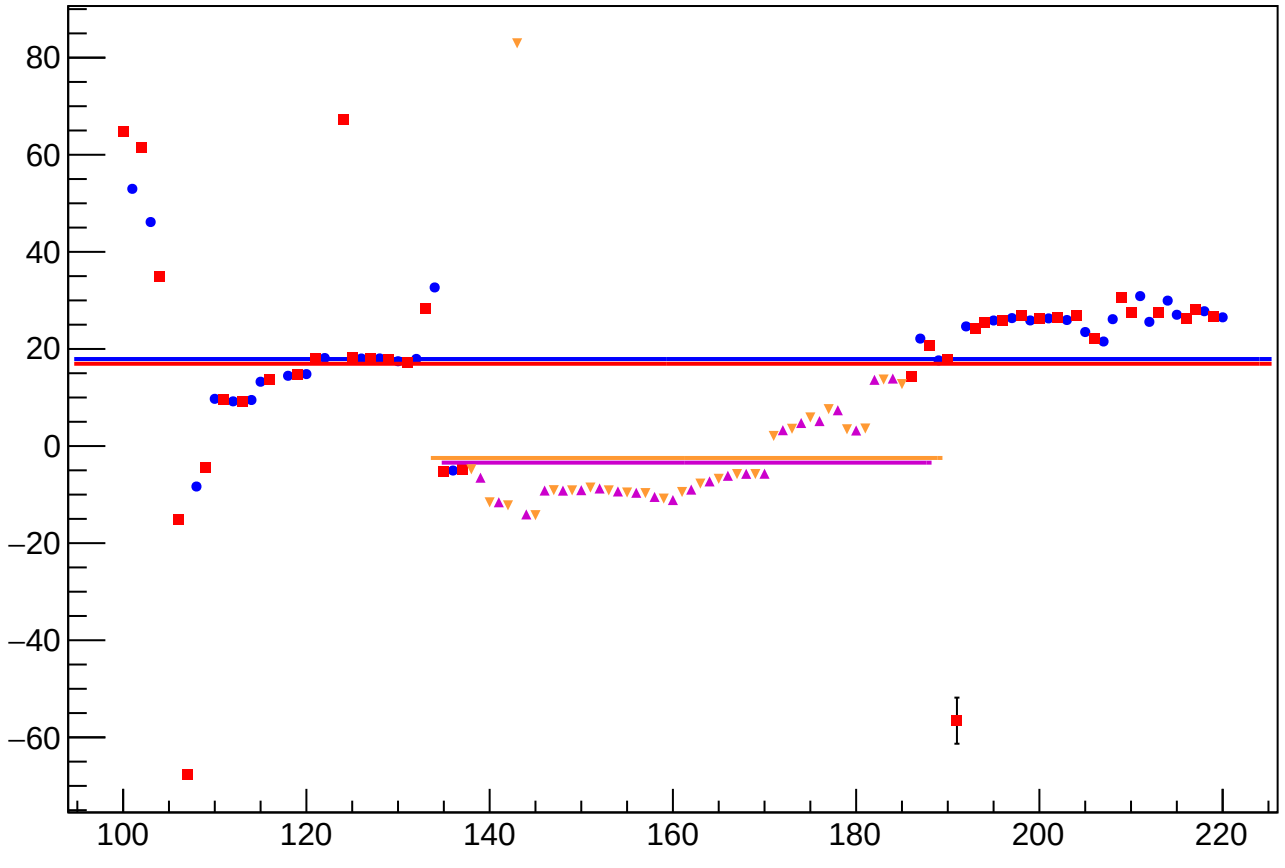
Right Out: -5.894+/-0.412 χ^2/NDF: 1054.4/36

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.061+/-0.203 χ^2/NDF: 2096.1/57

All: -1.097+/-0.144 χ^2/NDF: 4109.7/117

\- sign -1.134+/-0.205 χ^2/NDF: 2013.5/59



Right In: 17.928+/-0.021 χ^2/NDF: 460259.9/32

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

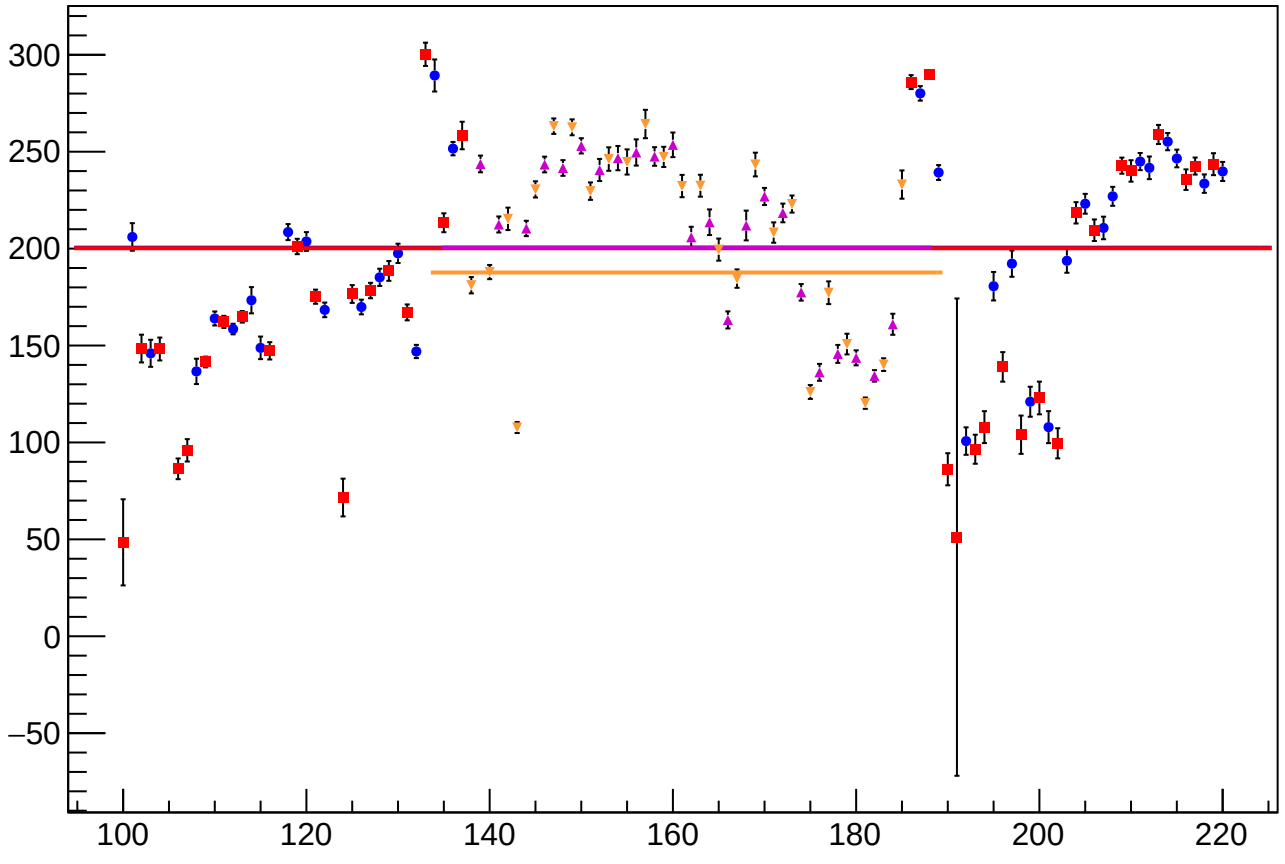
Right Out: 16.952+/-0.021 χ^2/NDF: 582896.6/36

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 1.397+/-0.009 χ^2/NDF: 2153908.1/57

All: 0.942+/-0.007 χ^2/NDF: 4017099.3/117

- sign 0.481+/-0.009 χ^2/NDF: 1858404.5/59



Right In: 200.481+/-0.824 χ^2/NDF: 2885.7/32

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

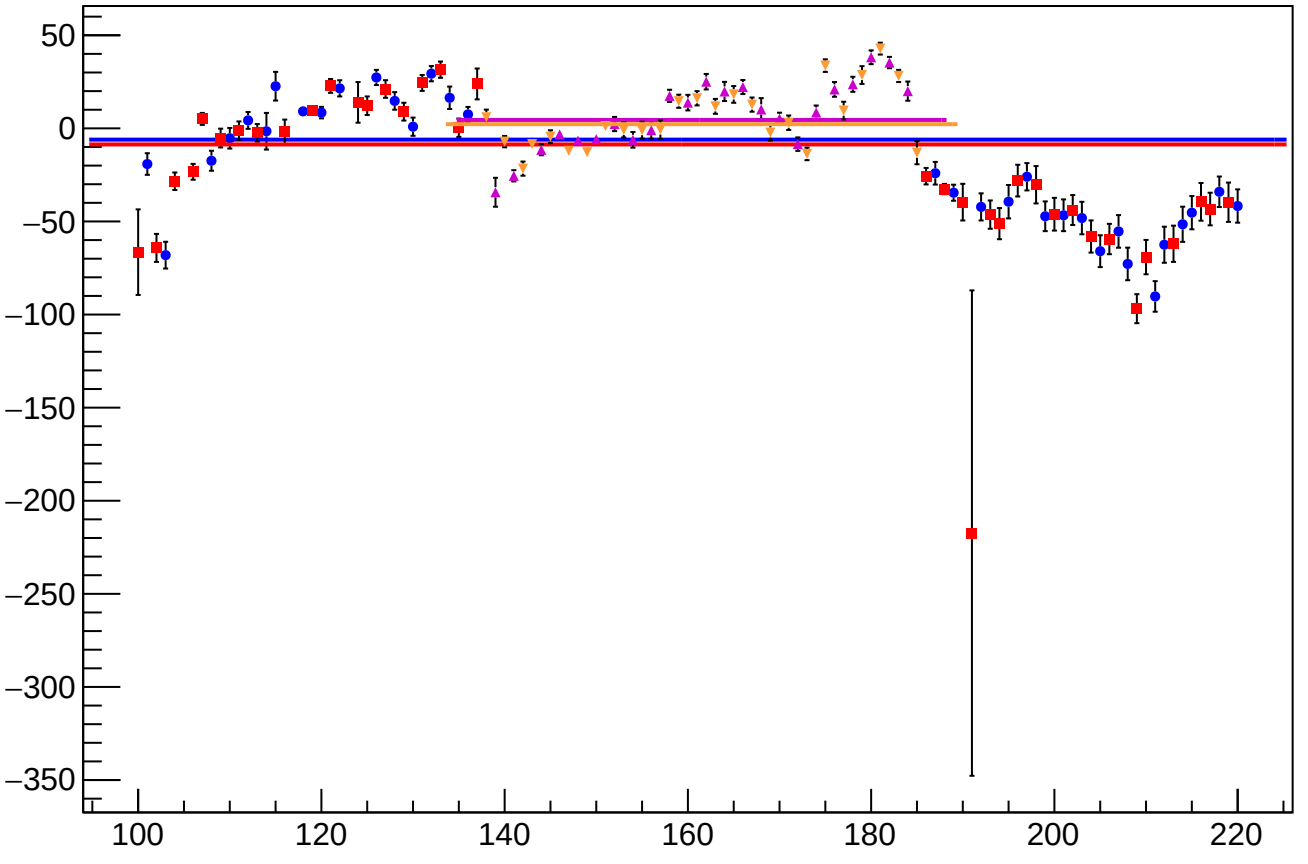
Right Out: 200.189+/-0.764 χ^2/NDF: 6581.8/36

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 194.627+/-0.607 χ^2/NDF: 6524.4/57

All: 197.522+/-0.425 χ^2/NDF: 15262.4/117

- sign 200.318+/-0.597 χ^2/NDF: 8693.3/59



Right In: -6.052+/-0.955 χ^2/NDF: 910.1/32

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

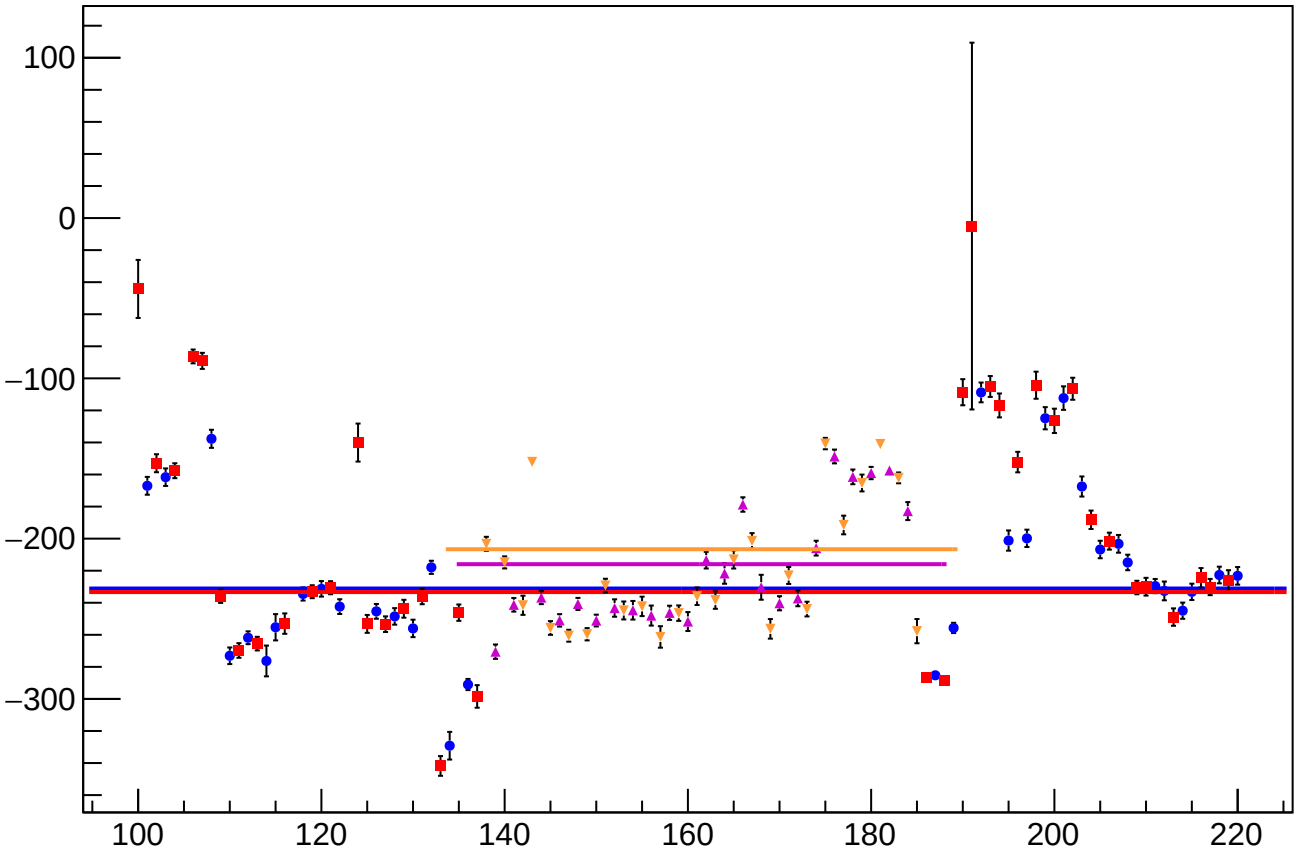
Right Out: -8.640+/-0.890 χ^2/NDF: 980.7/36

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign -0.462+/-0.545 χ^2/NDF: 1561.8/57

All: -0.548+/-0.390 χ^2/NDF: 3222.5/117

- sign -0.637+/-0.557 χ^2/NDF: 1660.6/59



Right In: -231.124+/-0.865 χ^2/NDF: 2695.6/32

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.339+/-0.777 χ^2/NDF: 6672.4/36

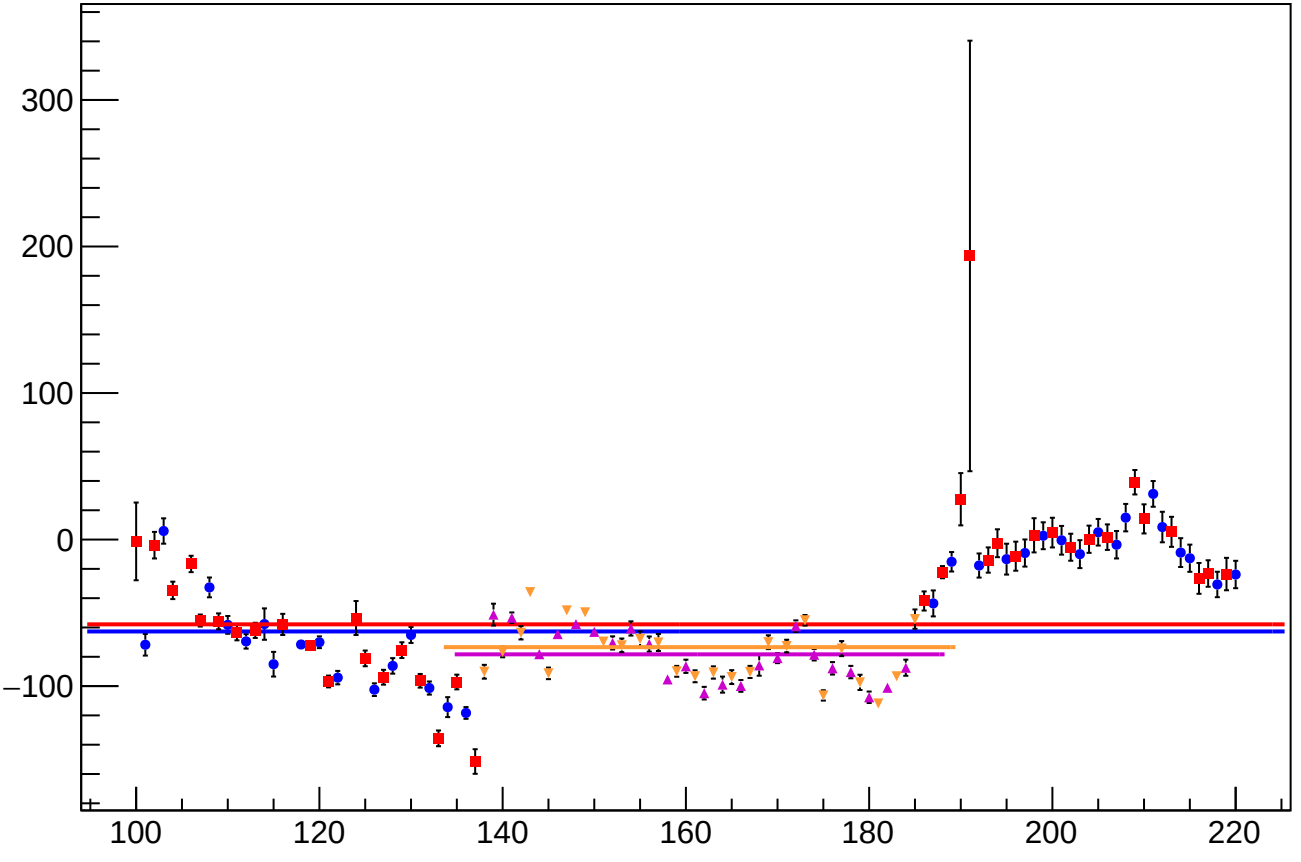
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -219.277+/-0.622 χ^2/NDF: 5551.0/57

All: -222.926+/-0.432 χ^2/NDF: 14203.7/117

- sign -226.328+/-0.601 χ^2/NDF: 8586.3/59

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -62.715+/-1.110 χ^2/NDF: 1256.8/32

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

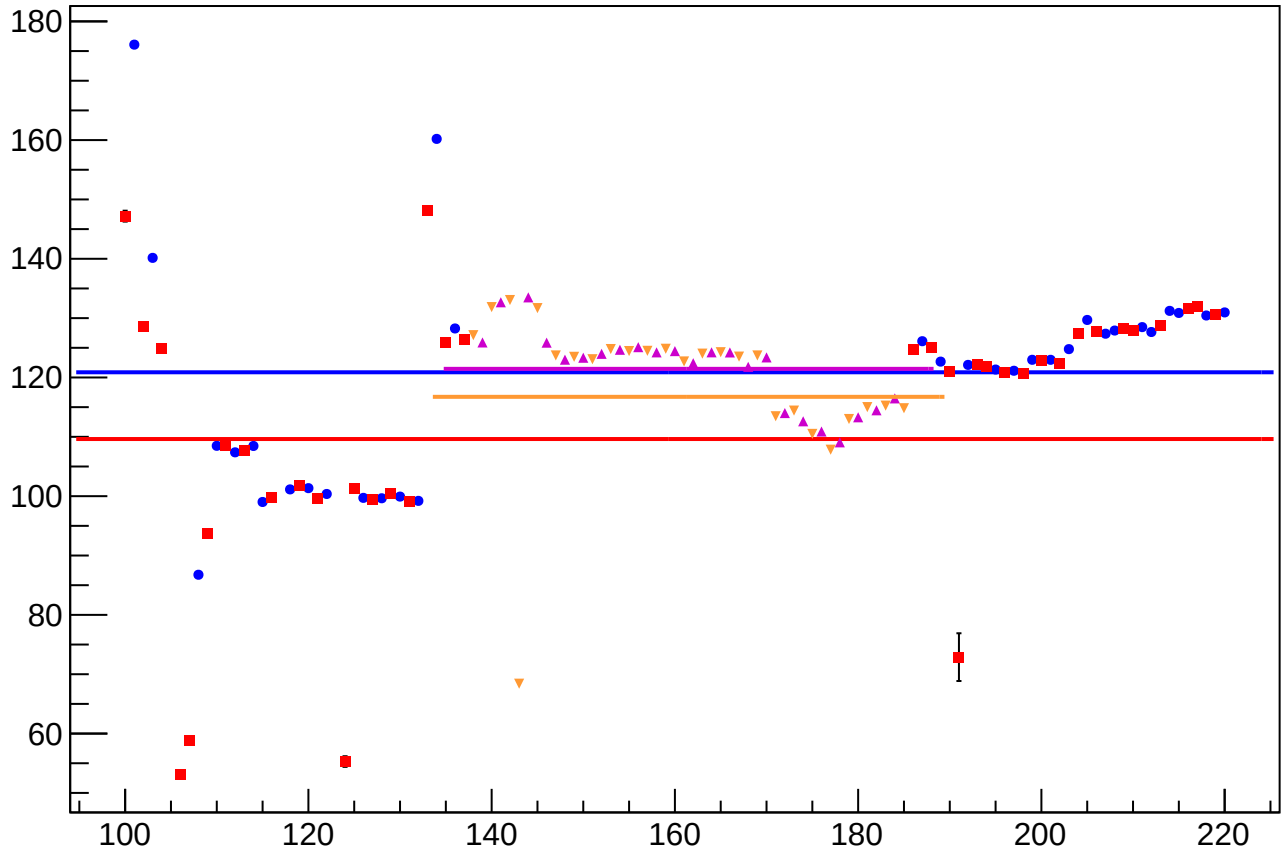
Right Out: -57.855+/-1.056 χ^2/NDF: 1397.2/36

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -69.964+/-0.631 χ^2/NDF: 2156.4/57

All: -70.302+/-0.451 χ^2/NDF: 4232.5/117

- sign -70.656+/-0.646 χ^2/NDF: 2075.6/59



Right In: 120.875+/-0.058 χ^2/NDF: 100605.3/32

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

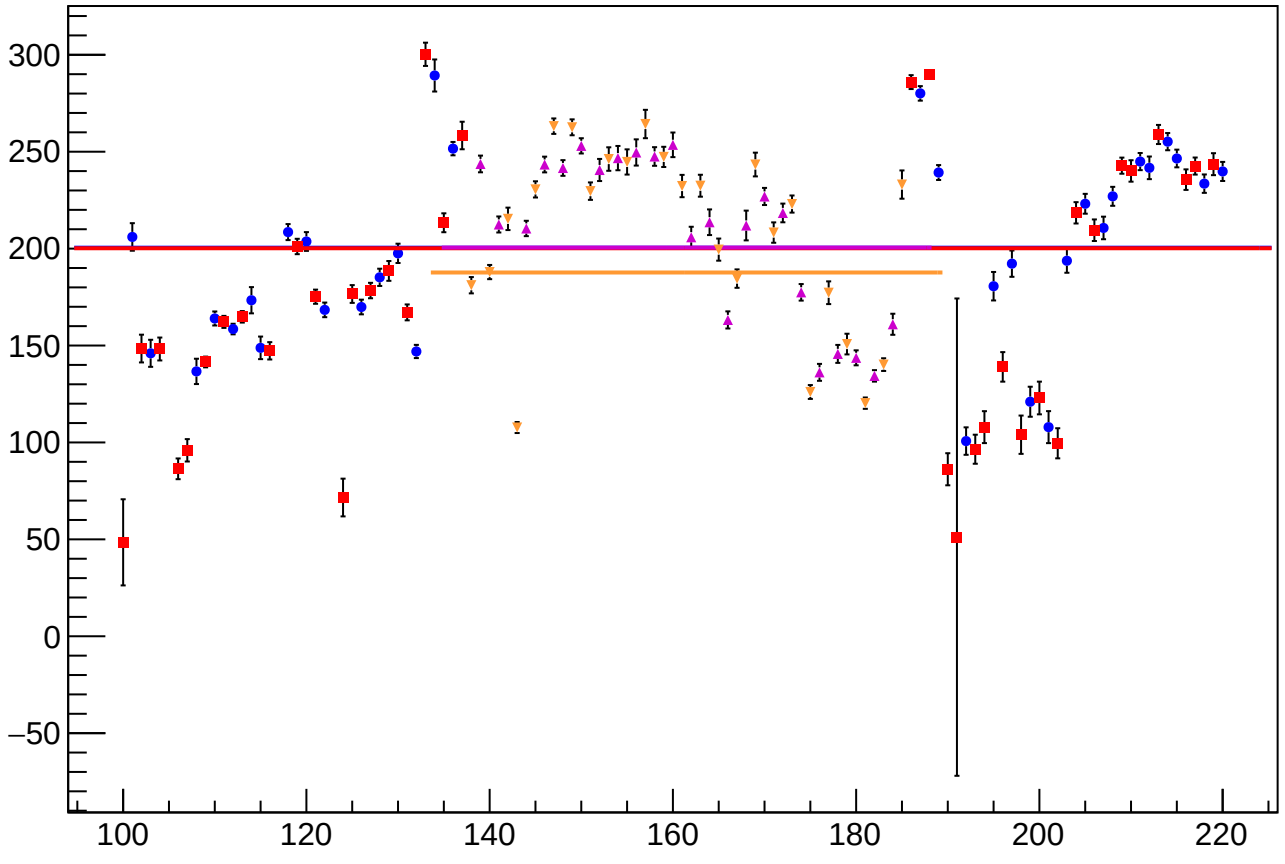
Right Out: 109.630+/-0.054 χ^2/NDF: 217880.5/36

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.868+/-0.031 χ^2/NDF: 307889.6/57

All: 117.764+/-0.022 χ^2/NDF: 586914.0/117

- sign 117.659+/-0.031 χ^2/NDF: 279001.1/59



Right In: 200.481+/-0.824 χ^2/NDF: 2885.7/32

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

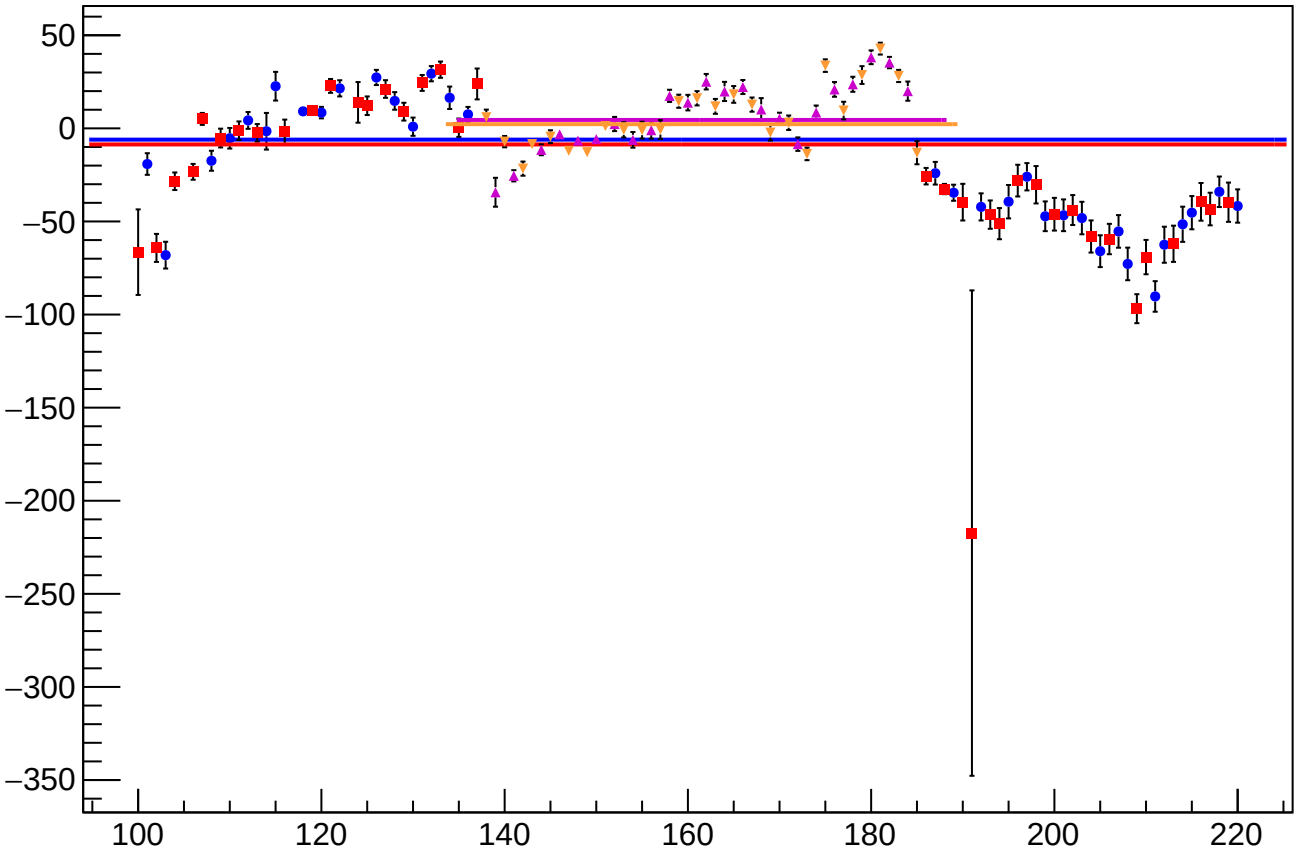
Right Out: 200.189+/-0.764 χ^2/NDF: 6581.8/36

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 194.627+/-0.607 χ^2/NDF: 6524.4/57

All: 197.522+/-0.425 χ^2/NDF: 15262.4/117

- sign 200.318+/-0.597 χ^2/NDF: 8693.3/59



Right In: -6.052+/-0.955 χ^2/NDF: 910.1/32

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

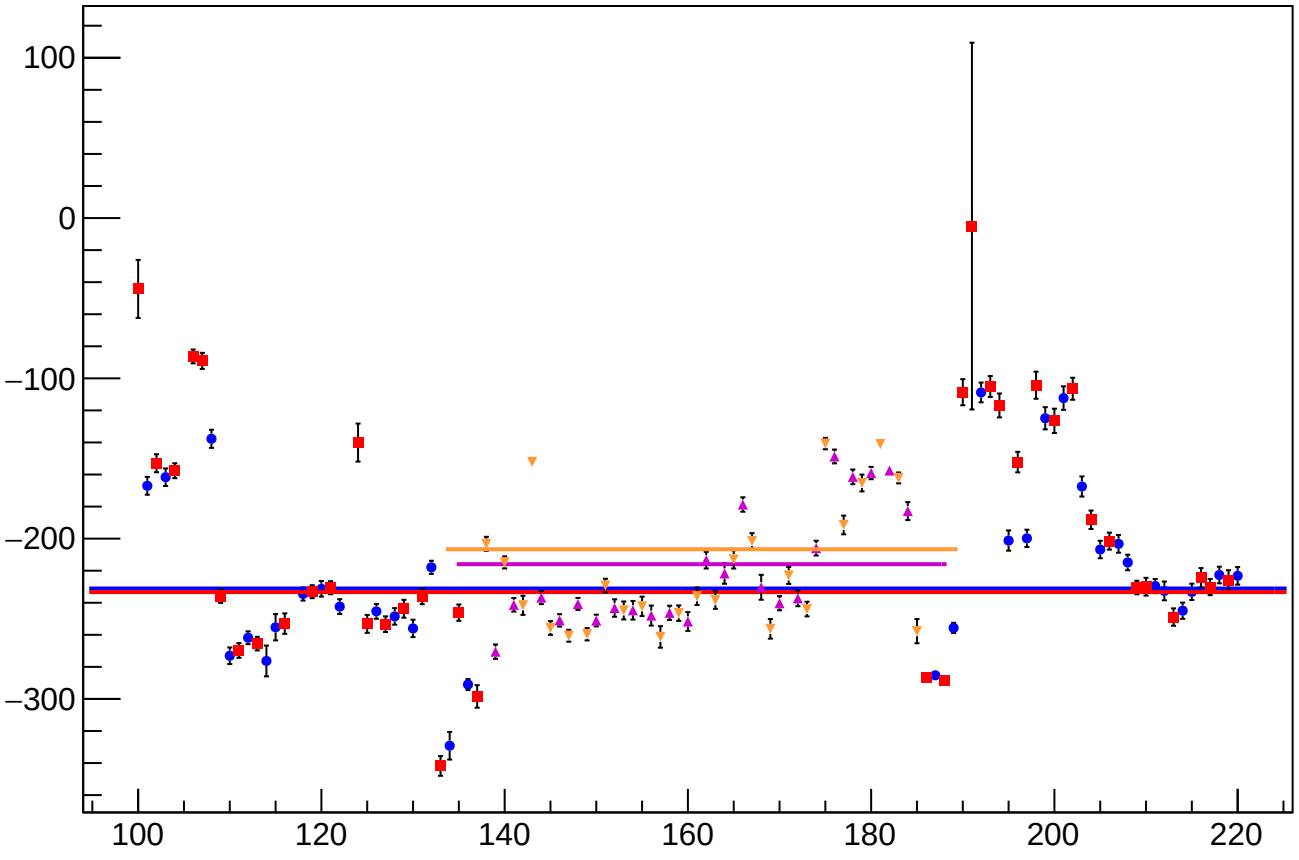
Right Out: -8.640+/-0.890 χ^2/NDF: 980.7/36

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign -0.462+/-0.545 χ^2/NDF: 1561.8/57

All: -0.548+/-0.390 χ^2/NDF: 3222.5/117

- sign -0.637+/-0.557 χ^2/NDF: 1660.6/59



Right In: -231.124+/-0.865 χ^2/NDF: 2695.6/32

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

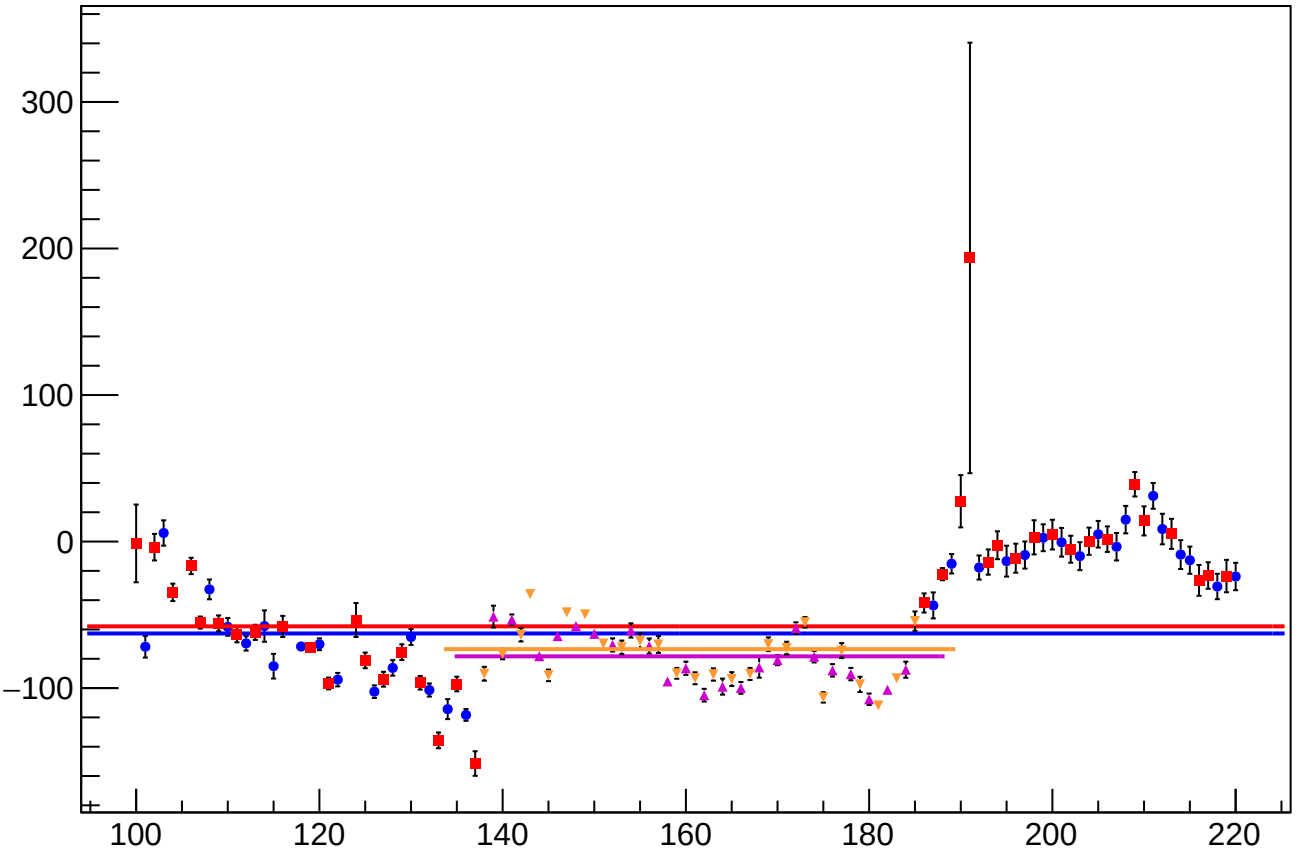
Right Out: -233.339+/-0.777 χ^2/NDF: 6672.4/36

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -219.277+/-0.622 χ^2/NDF: 5551.0/57

All: -222.926+/-0.432 χ^2/NDF: 14203.7/117

- sign -226.328+/-0.601 χ^2/NDF: 8586.3/59



Right In: -62.715+/-1.110 χ^2/NDF: 1256.8/32

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

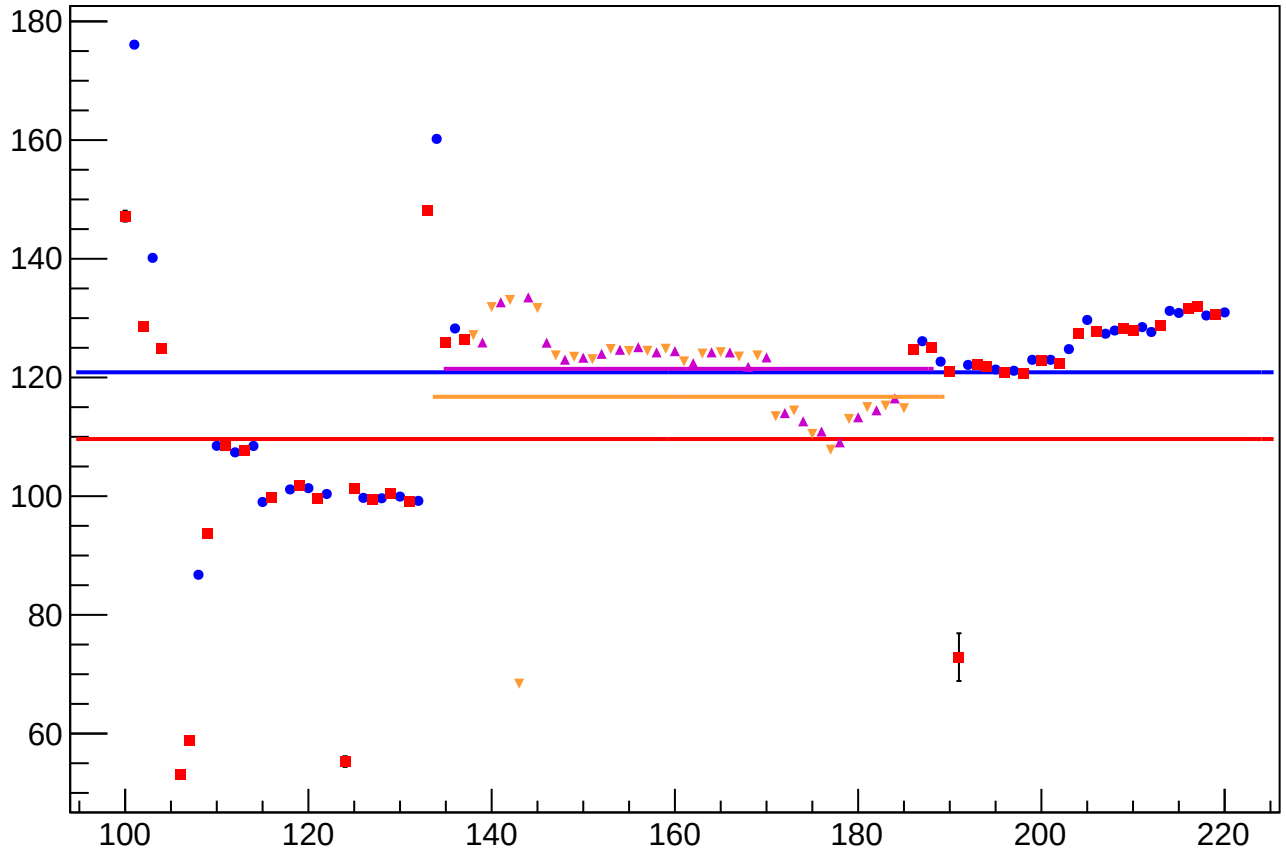
Right Out: -57.855+/-1.056 χ^2/NDF: 1397.2/36

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -69.964+/-0.631 χ^2/NDF: 2156.4/57

All: -70.302+/-0.451 χ^2/NDF: 4232.5/117

- sign -70.656+/-0.646 χ^2/NDF: 2075.6/59



Right In: 120.875+/-0.058 χ^2/NDF: 100605.3/32

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

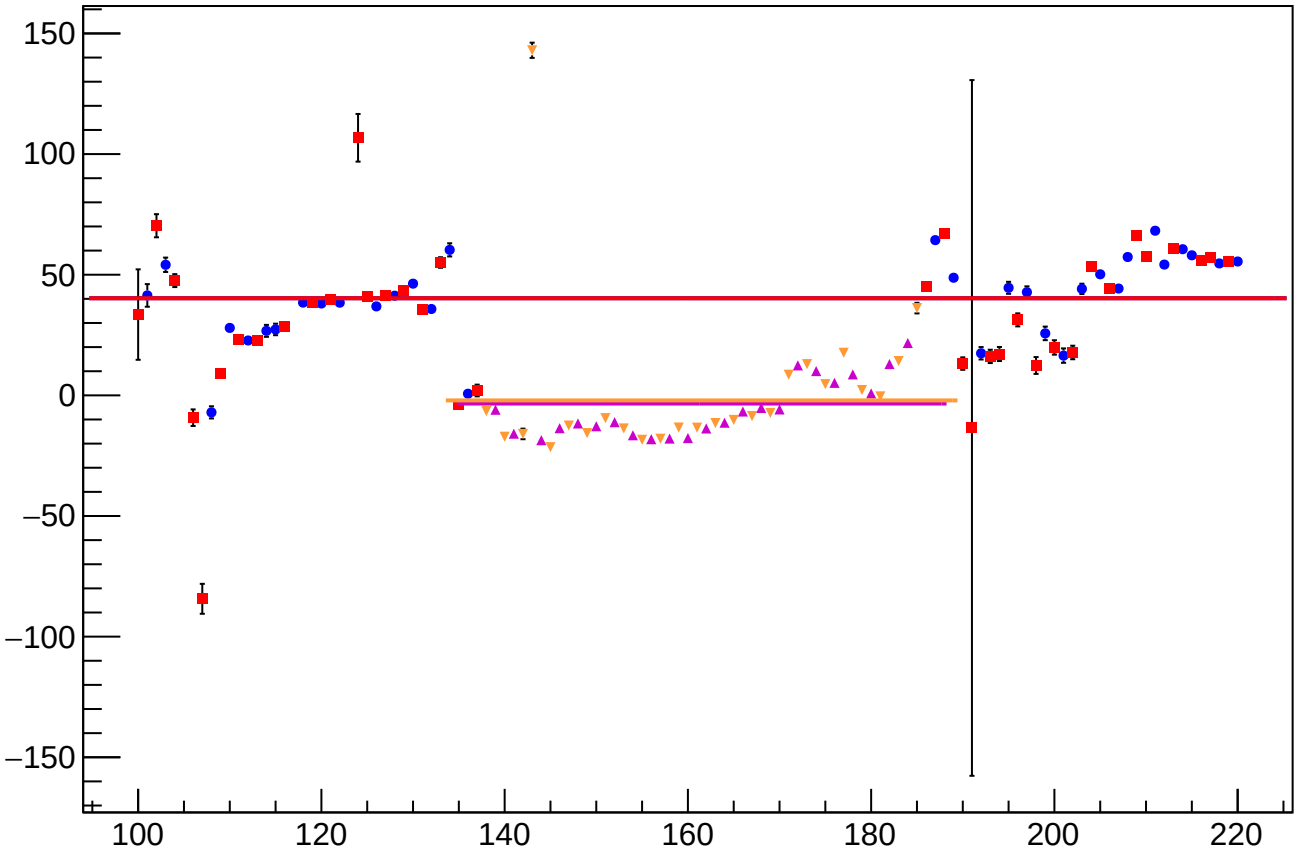
Right Out: 109.630+/-0.054 χ^2/NDF: 217880.5/36

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.868+/-0.031 χ^2/NDF: 307889.6/57

All: 117.764+/-0.022 χ^2/NDF: 586914.0/117

- sign 117.659+/-0.031 χ^2/NDF: 279001.1/59



Right In: 40.258+/-0.306 χ^2/NDF: 3467.9/32

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

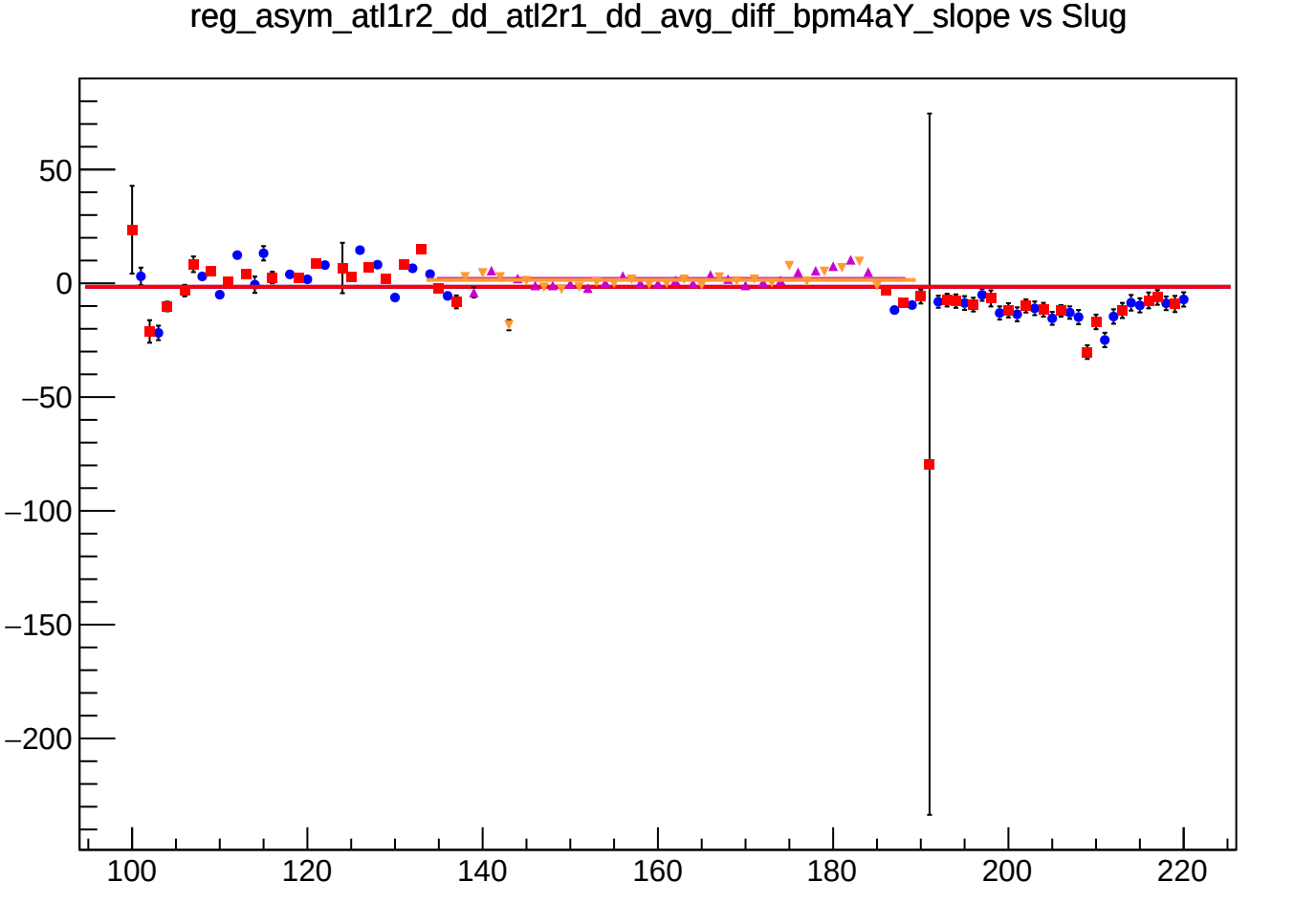
Right Out: 40.249+/-0.282 χ^2/NDF: 5579.2/36

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 16.178+/-0.201 χ^2/NDF: 18540.8/57

All: 16.882+/-0.140 χ^2/NDF: 38312.1/117

- sign 17.548+/-0.196 χ^2/NDF: 19747.5/59



Right In: -1.543+/-0.366 χ^2/NDF: 607.9/32

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

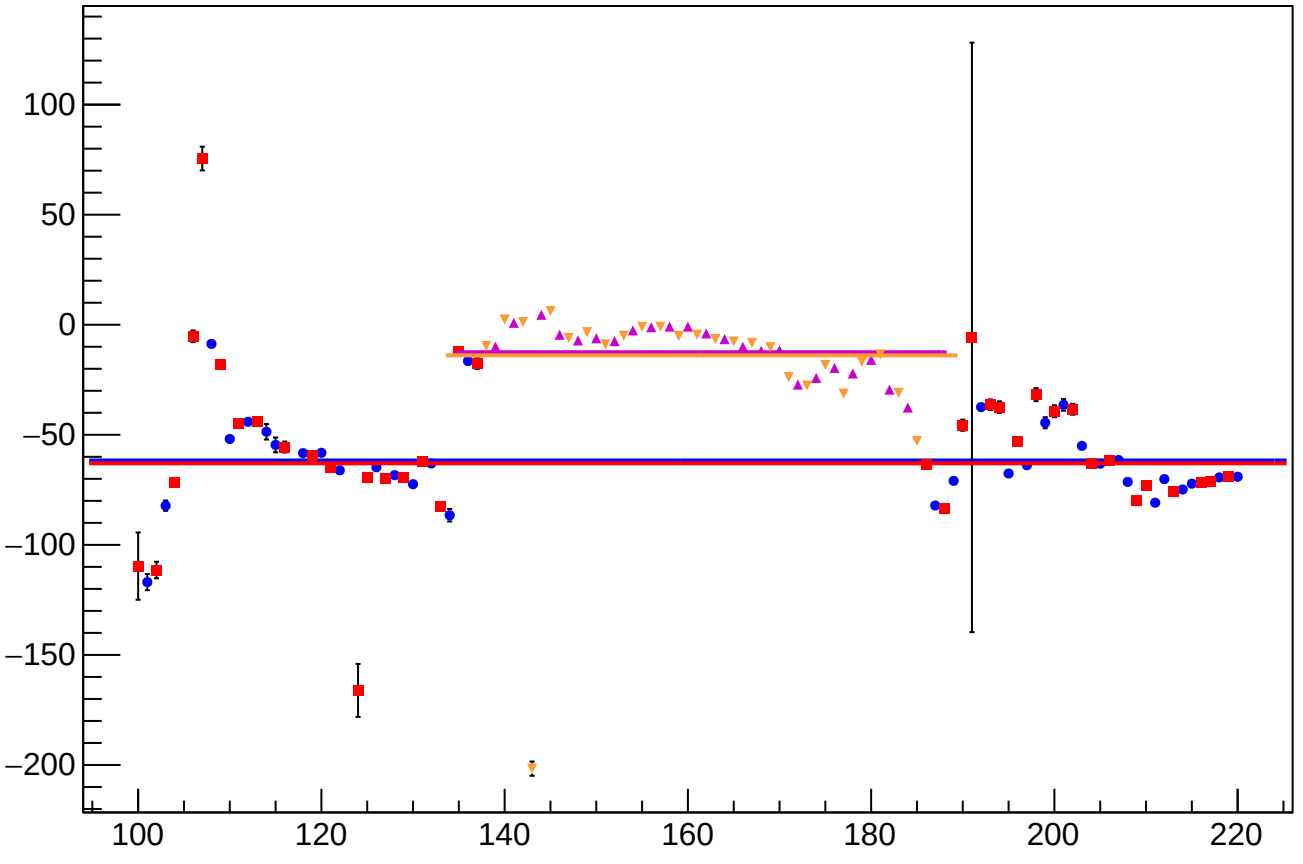
Right Out: -1.527+/-0.346 χ^2/NDF: 548.4/36

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

\+ sign 0.765+/-0.179 χ^2/NDF: 988.7/57

All: 0.881+/-0.127 χ^2/NDF: 1851.6/117

\- sign 0.999+/-0.180 χ^2/NDF: 862.1/59



Right In: -61.666+/-0.319 χ^2/NDF: 3697.8/32

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

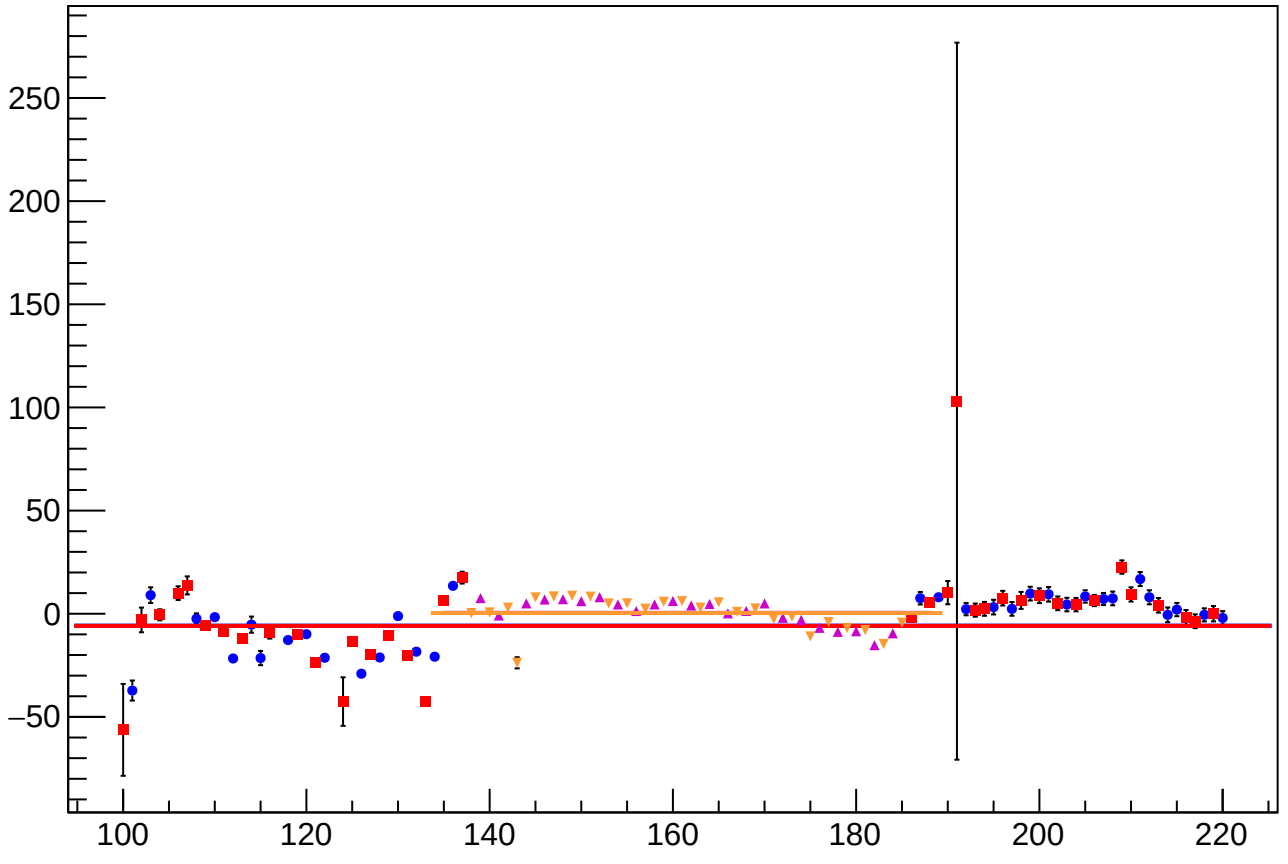
Right Out: -62.948+/-0.282 χ^2/NDF: 5722.2/36

Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

\+ sign -33.369+/-0.204 χ^2/NDF: 22090.0/57

All: -35.011+/-0.141 χ^2/NDF: 46147.2/117

\- sign -36.507+/-0.195 χ^2/NDF: 23933.1/59



Right In: -5.748+/-0.422 χ^2/NDF: 1014.1/32

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

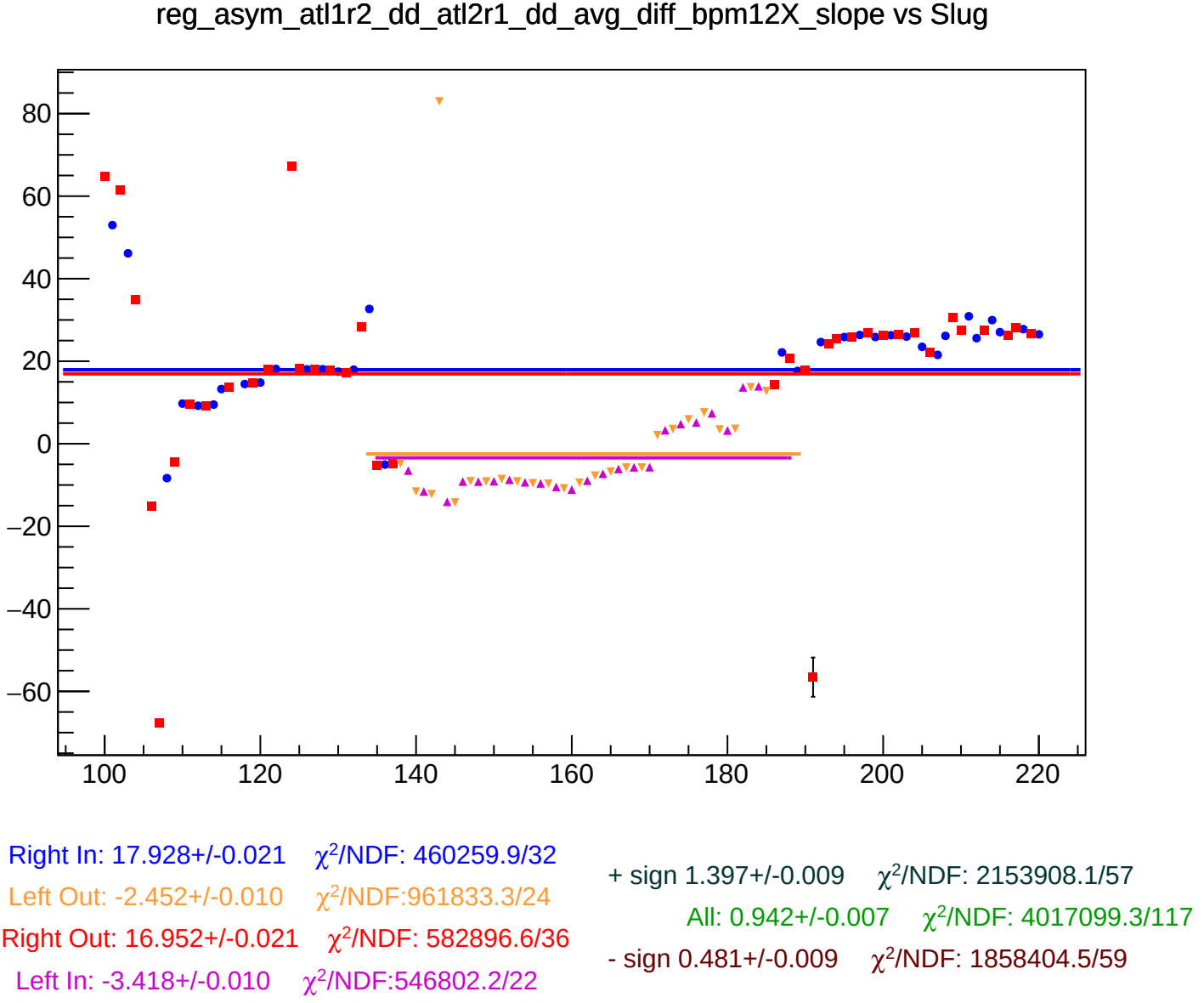
Right Out: -5.894+/-0.412 χ^2/NDF: 1054.4/36

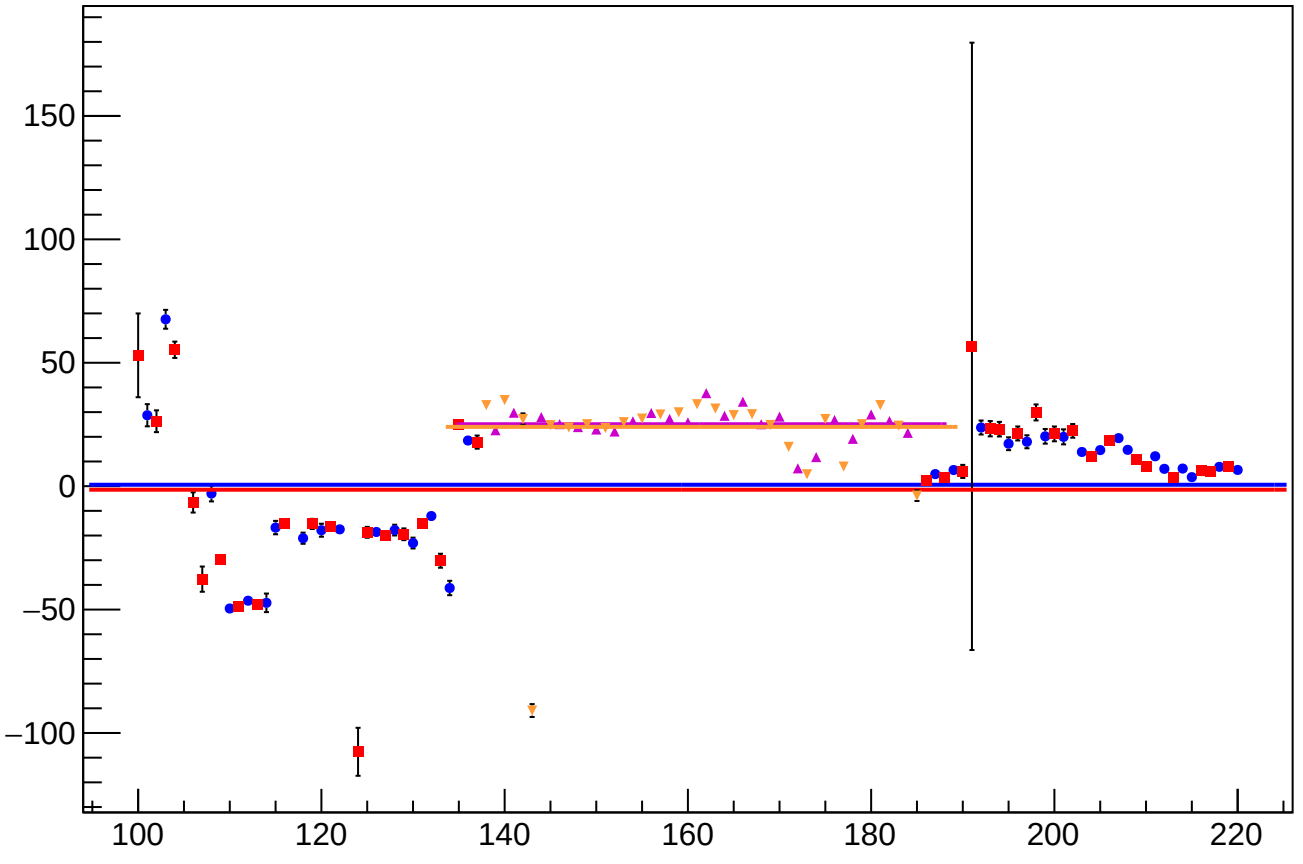
Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.061+/-0.203 χ^2/NDF: 2096.1/57

All: -1.097+/-0.144 χ^2/NDF: 4109.7/117

\- sign -1.134+/-0.205 χ^2/NDF: 2013.5/59


reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs Slug
80
60
40
20
0
−20
−40
−60
100
120
140
160
180
200
220
Right In: 17.928+/-0.021 χ²/NDF: 460259.9/32
Left Out: -2.452+/-0.010 χ²/NDF:961833.3/24
Right Out: 16.952+/-0.021 χ²/NDF: 582896.6/36
Left In: -3.418+/-0.010 χ²/NDF:546802.2/22
+ sign 1.397+/-0.009 χ²/NDF: 2153908.1/57
All: 0.942+/-0.007 χ²/NDF: 4017099.3/117
- sign 0.481+/-0.009 χ²/NDF: 1858404.5/59



Right In: 0.576+/-0.340 χ^2/NDF: 3746.8/32

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

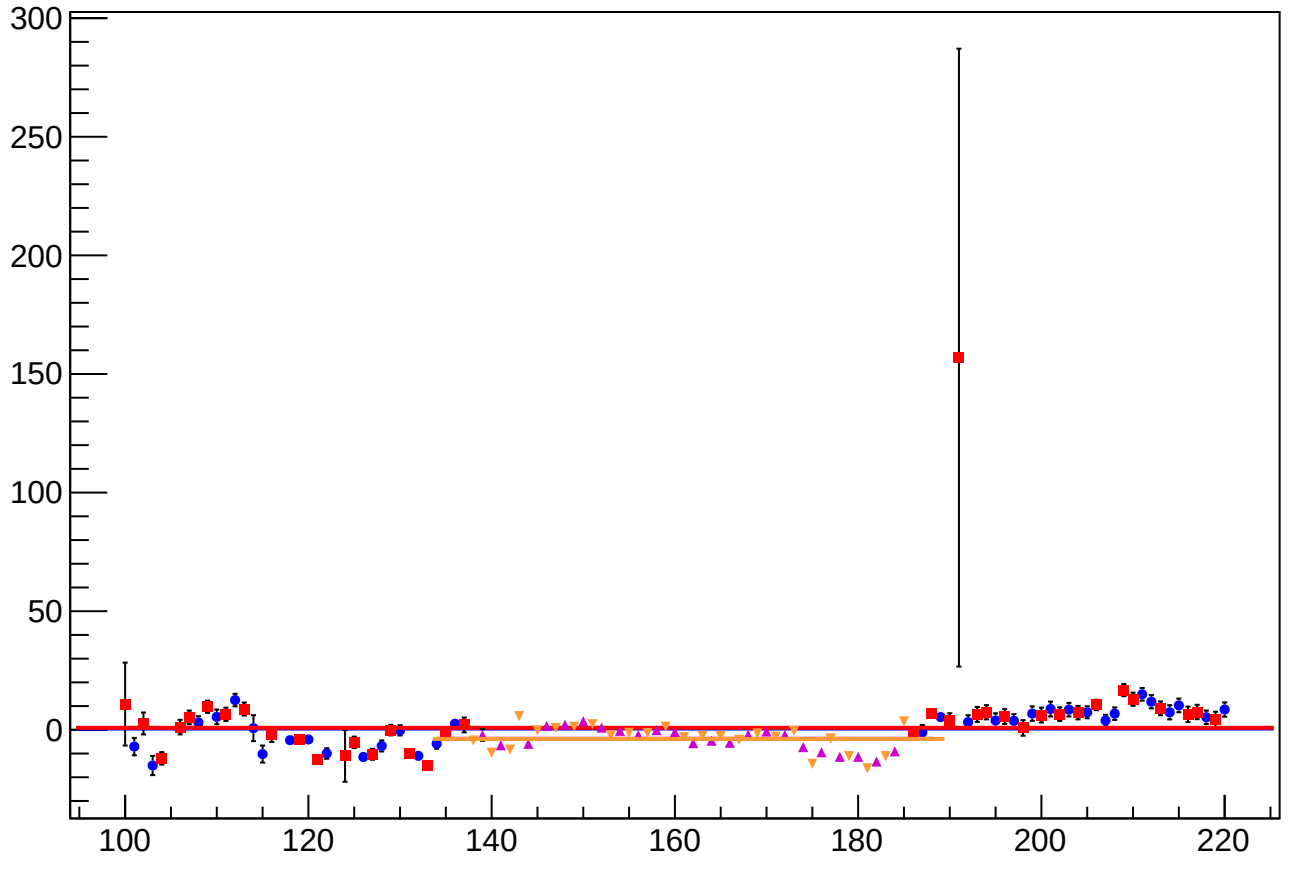
Right Out: -1.434+/-0.332 χ^2/NDF: 3970.4/36

Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 14.463+/-0.217 χ^2/NDF: 9368.2/57

All: 14.090+/-0.153 χ^2/NDF: 17495.9/117

- sign 13.718+/-0.217 χ^2/NDF: 8121.9/59



Right In: 0.544+/-0.427 χ^2/NDF: 296.8/32

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

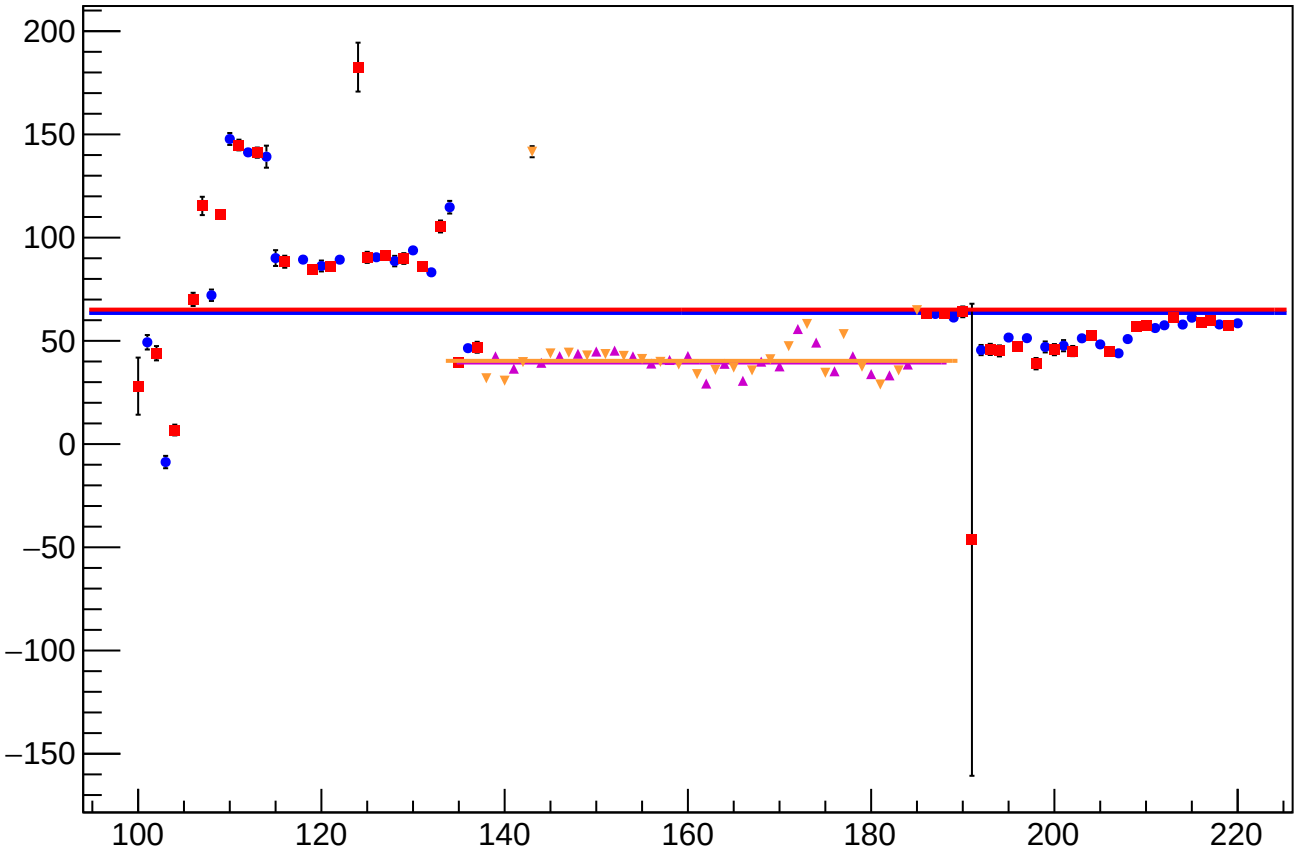
Right Out: 0.852+/-0.417 χ^2/NDF: 364.6/36

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -2.937+/-0.194 χ^2/NDF: 1030.1/57

All: -2.842+/-0.138 χ^2/NDF: 2001.0/117

- sign -2.744+/-0.197 χ^2/NDF: 970.4/59



Right In: 63.508+/-0.353 χ^2/NDF: 4696.5/32

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

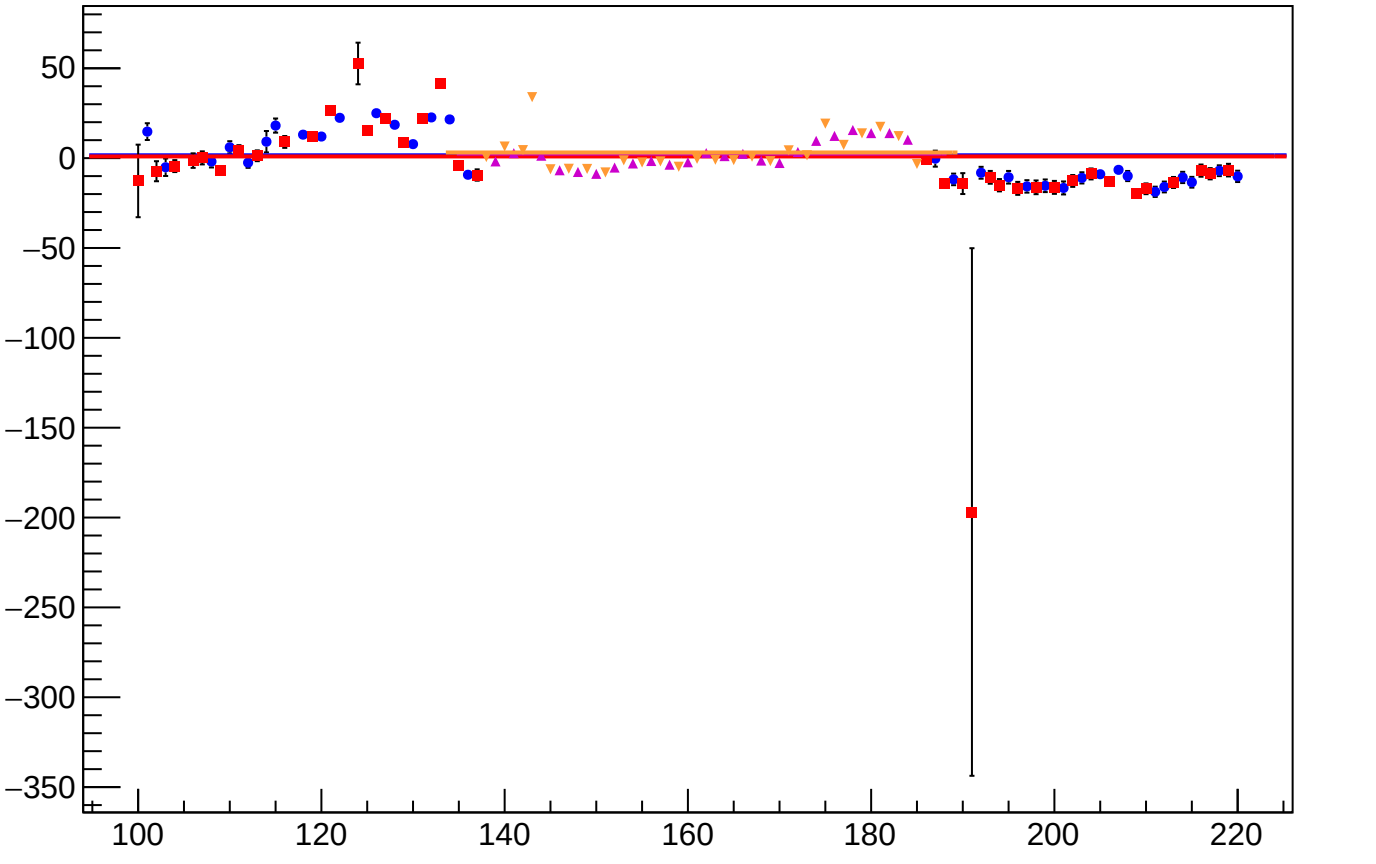
Right Out: 65.131+/-0.335 χ^2/NDF: 4872.8/36

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 49.289+/-0.219 χ^2/NDF: 9531.3/57

All: 49.770+/-0.154 χ^2/NDF: 18239.6/117

\- sign 50.240+/-0.217 χ^2/NDF: 8698.8/59



Right In: 1.589+/-0.483 χ^2/NDF: 873.5/32

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

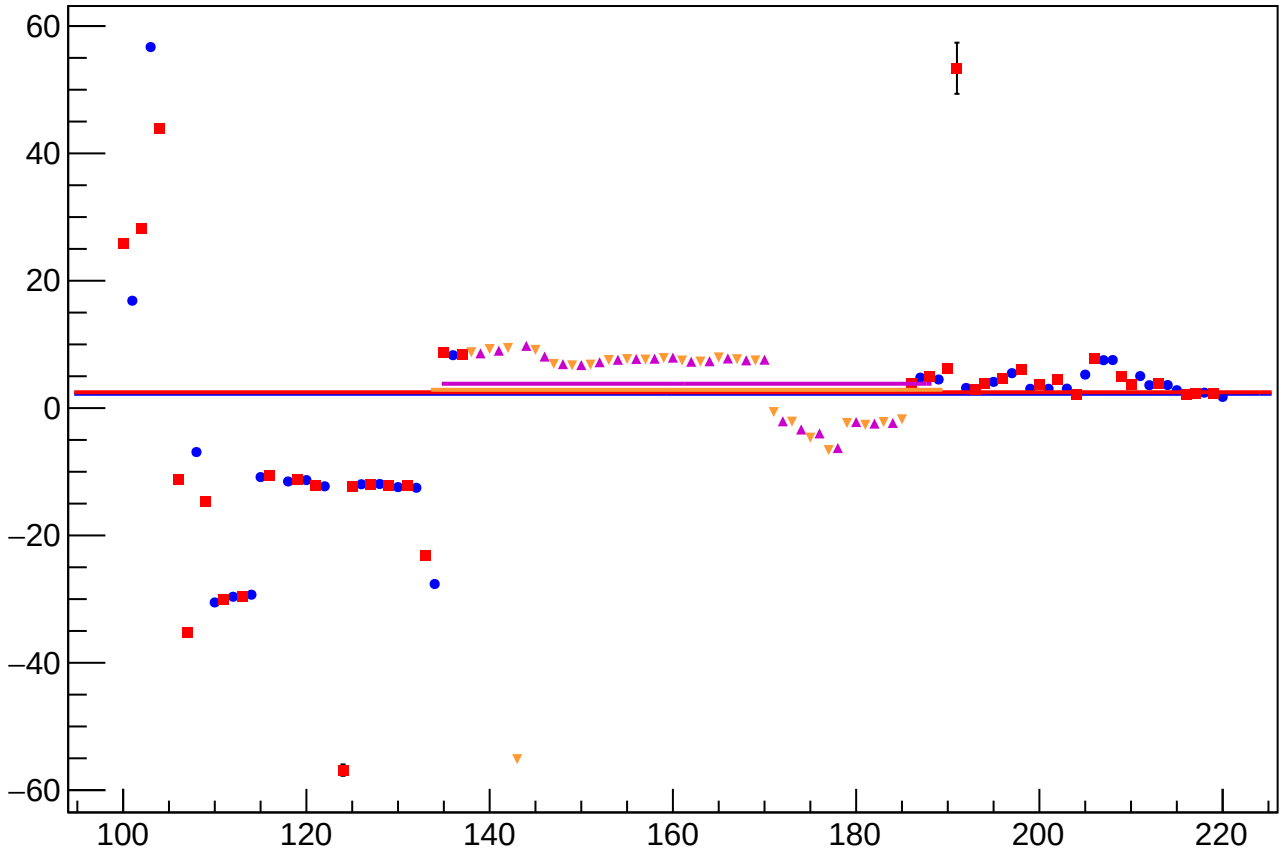
Right Out: 0.943+/-0.485 χ^2/NDF: 1047.0/36

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 2.824+/-0.219 χ^2/NDF: 2148.7/57

All: 2.510+/-0.156 χ^2/NDF: 4176.4/117

- sign 2.185+/-0.223 χ^2/NDF: 2023.5/59



Right In: 2.248+/-0.023 χ^2/NDF: 383021.9/32

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.488+/-0.023 χ^2/NDF: 330763.0/36

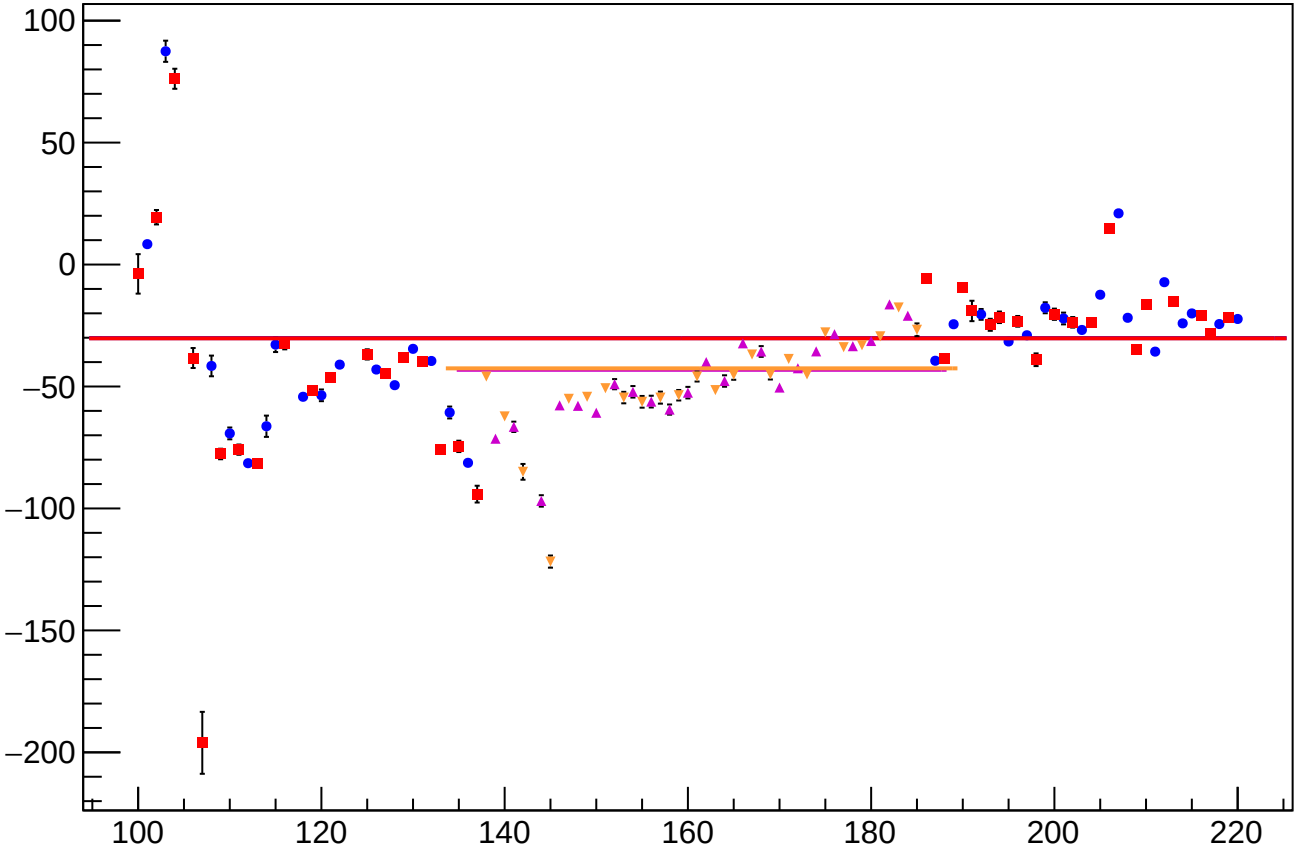
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.756+/-0.010 χ^2/NDF: 895940.7/57

All: 3.163+/-0.007 χ^2/NDF: 1466000.0/117

- sign 3.579+/-0.010 χ^2/NDF: 566654.6/59

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -30.166+/-0.311 χ^2/NDF: 5479.6/32

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -30.246+/-0.295 χ^2/NDF: 6589.8/35

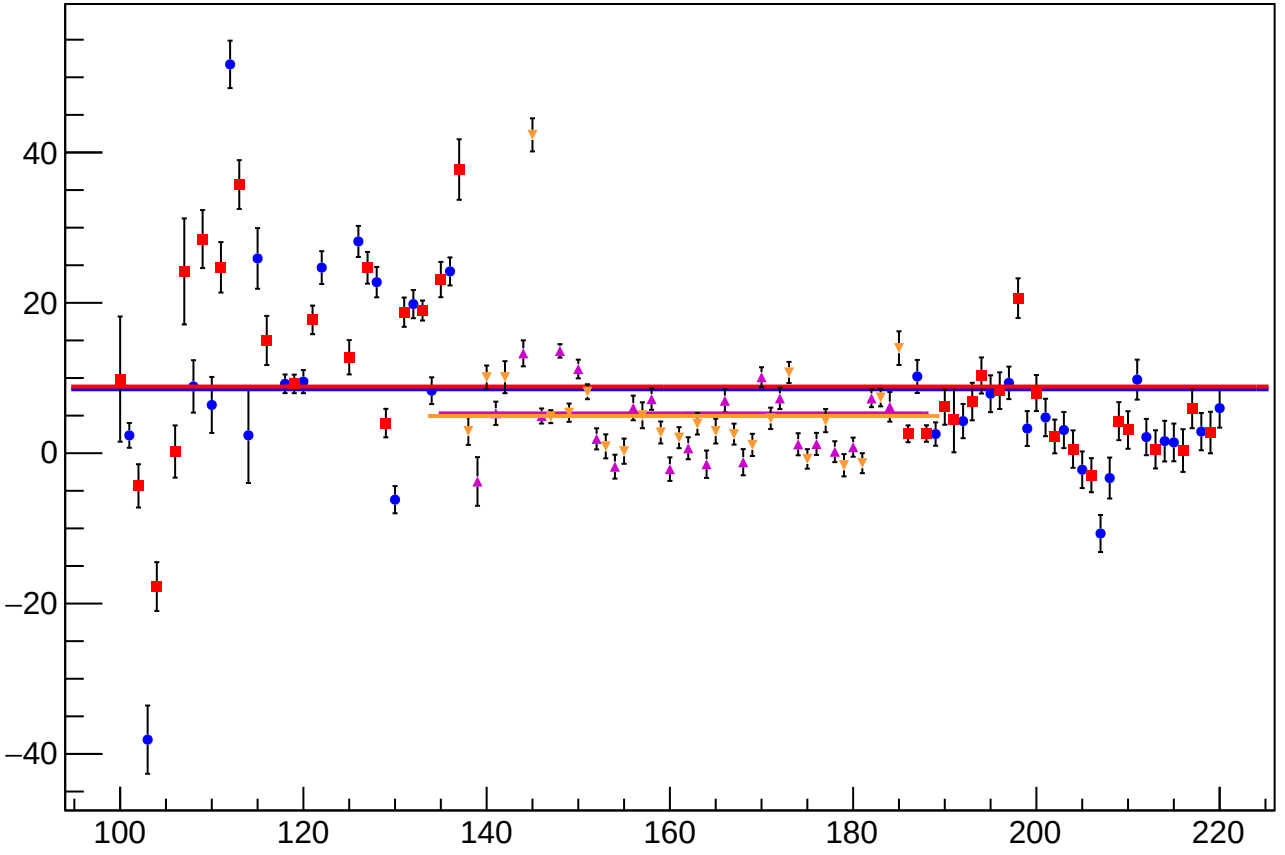
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

\+ sign -35.160+/-0.240 χ^2/NDF: 8446.8/56

All: -35.120+/-0.167 χ^2/NDF: 17958.8/115

\- sign -35.082+/-0.234 χ^2/NDF: 9511.9/58

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 8.507+/-0.383 χ^2/NDF: 853.7/32

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 8.865+/-0.366 χ^2/NDF: 647.4/35

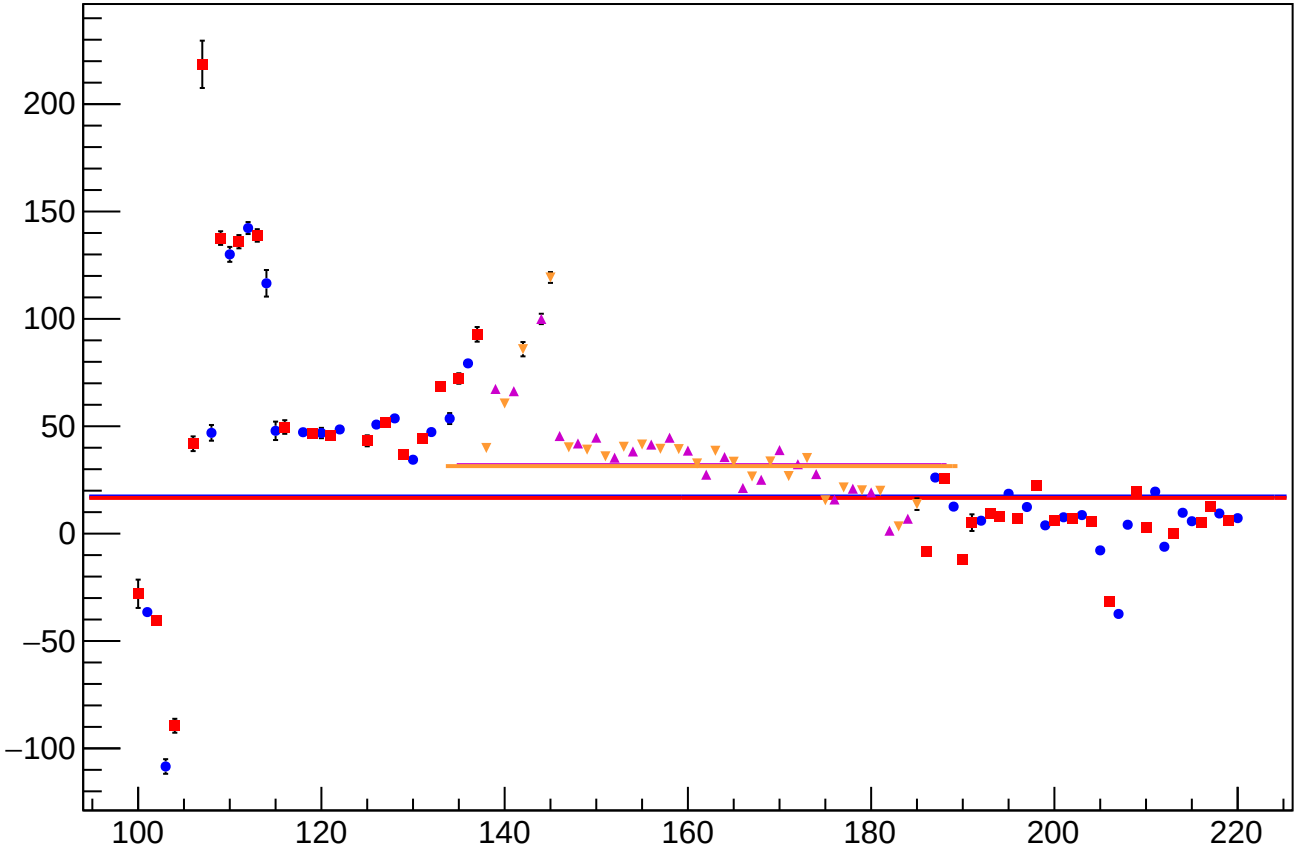
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.240+/-0.230 χ^2/NDF: 1357.7/56

All: 6.469+/-0.163 χ^2/NDF: 2351.4/115

- sign 6.696+/-0.229 χ^2/NDF: 991.7/58

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 17.291+/-0.314 χ^2/NDF: 11213.0/32

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 16.635+/-0.286 χ^2/NDF: 12932.8/35

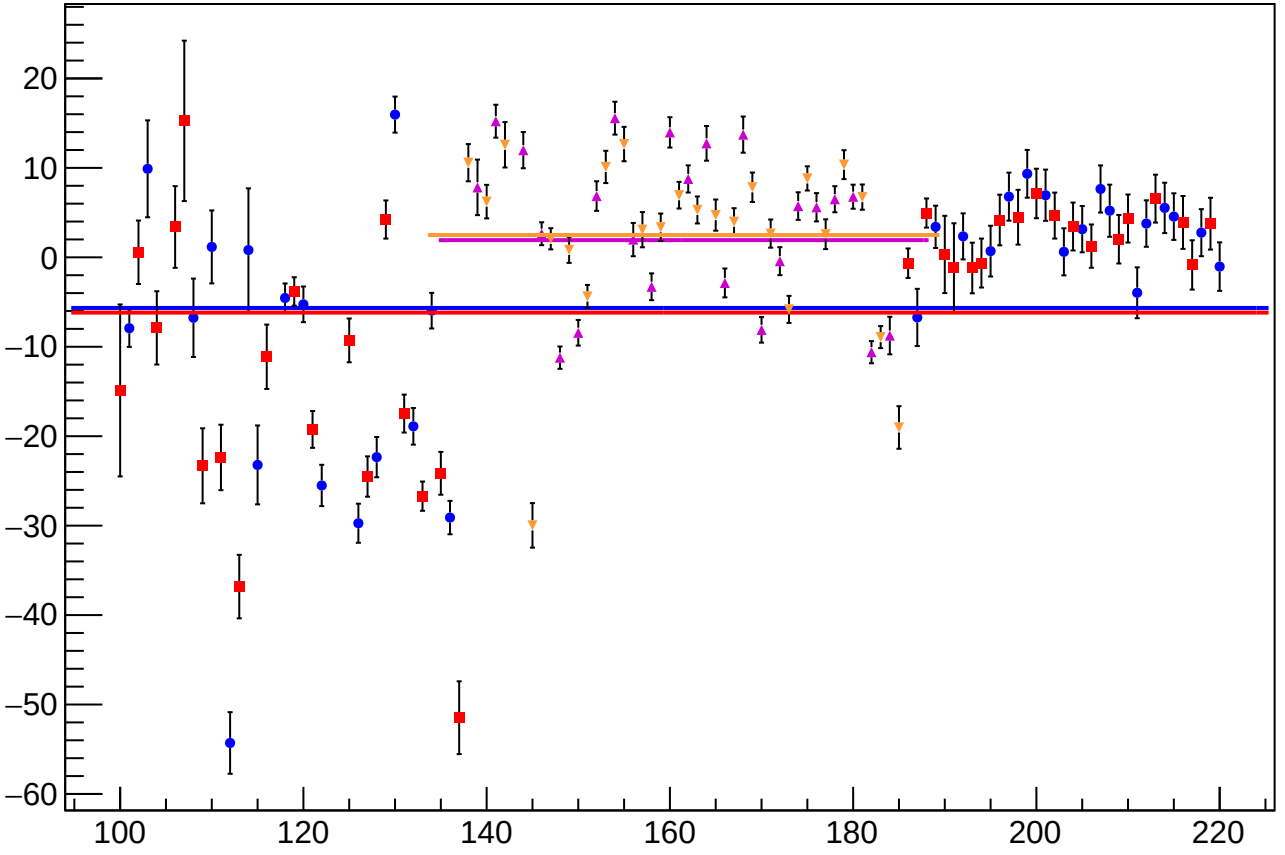
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

+ sign 23.105+/-0.241 χ^2/NDF: 14811.0/56

All: 22.622+/-0.166 χ^2/NDF: 31554.8/115

- sign 22.188+/-0.228 χ^2/NDF: 16736.1/58

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -5.658+/-0.442 χ^2/NDF: 1009.8/32

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

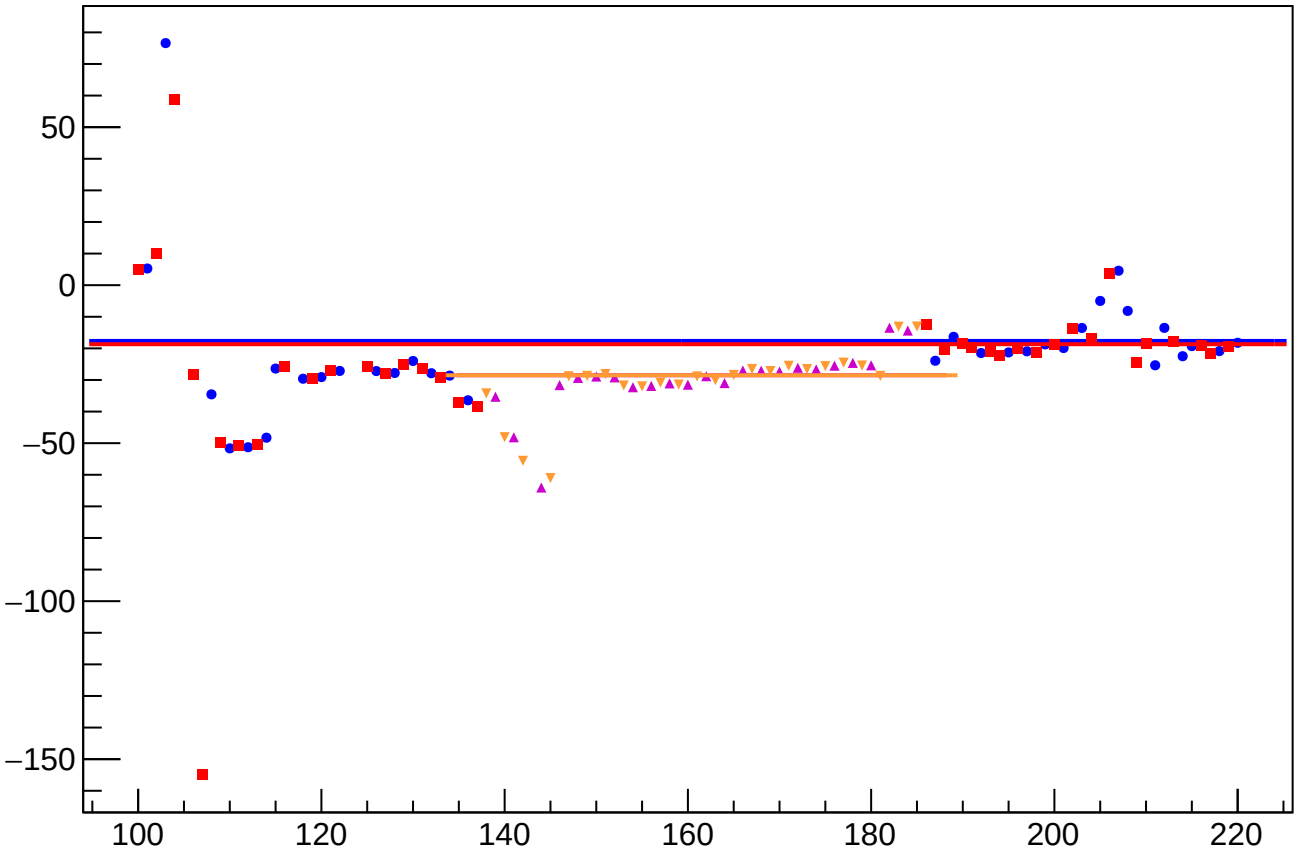
Right Out: -6.179+/-0.437 χ^2/NDF: 858.6/35

Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

\+ sign -0.385+/-0.263 χ^2/NDF: 1788.4/56

All: -0.714+/-0.186 χ^2/NDF: 3547.0/115

\- sign -1.046+/-0.264 χ^2/NDF: 1755.5/58



Right In: -17.647+/-0.021 χ^2/NDF: 732922.5/32

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.688+/-0.021 χ^2/NDF: 625747.0/35

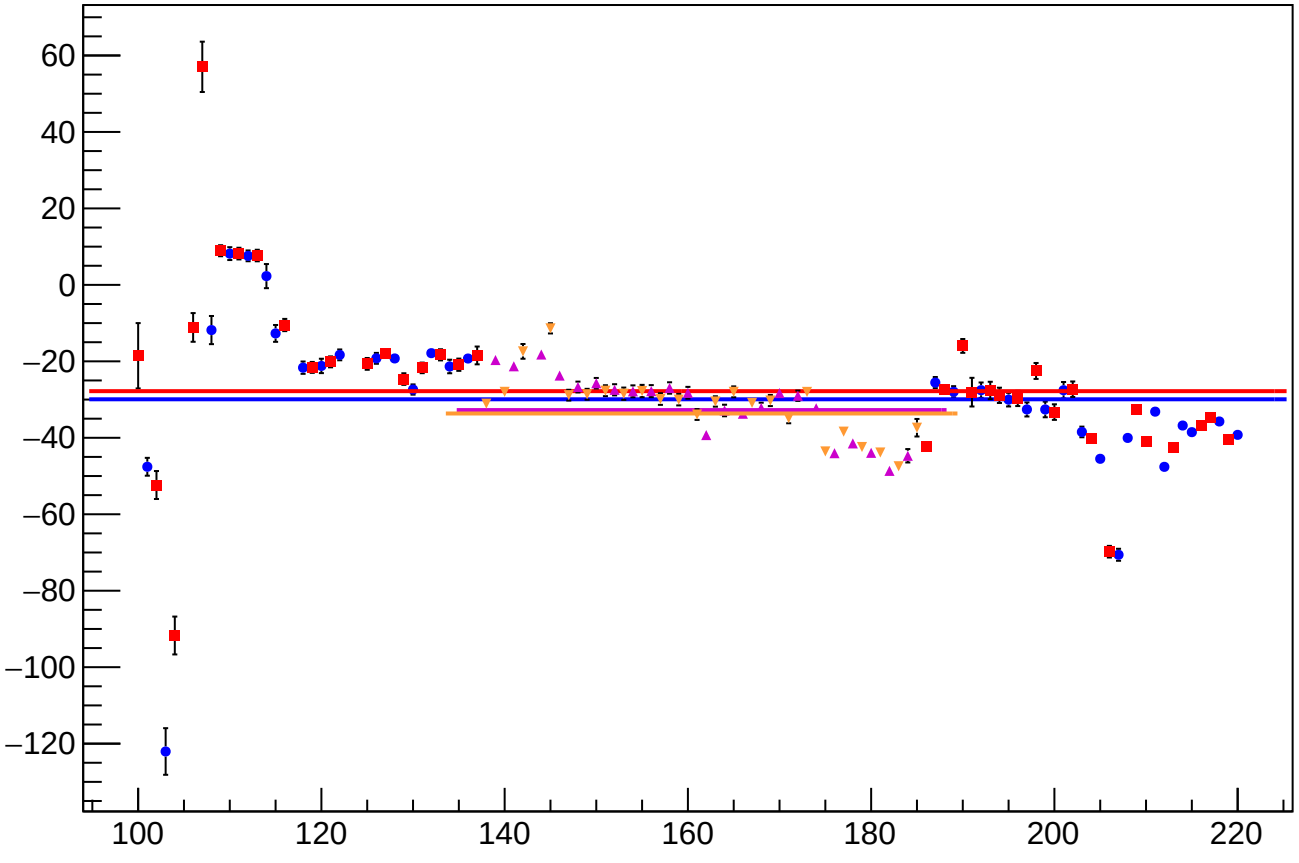
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

\+ sign -24.903+/-0.012 χ^2/NDF: 1246628.9/56

All: -25.031+/-0.009 χ^2/NDF: 2309638.9/115

\- sign -25.157+/-0.012 χ^2/NDF: 1062787.7/58

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -29.928+/-0.251 χ^2/NDF: 3584.1/32

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -27.801+/-0.250 χ^2/NDF: 4140.7/35

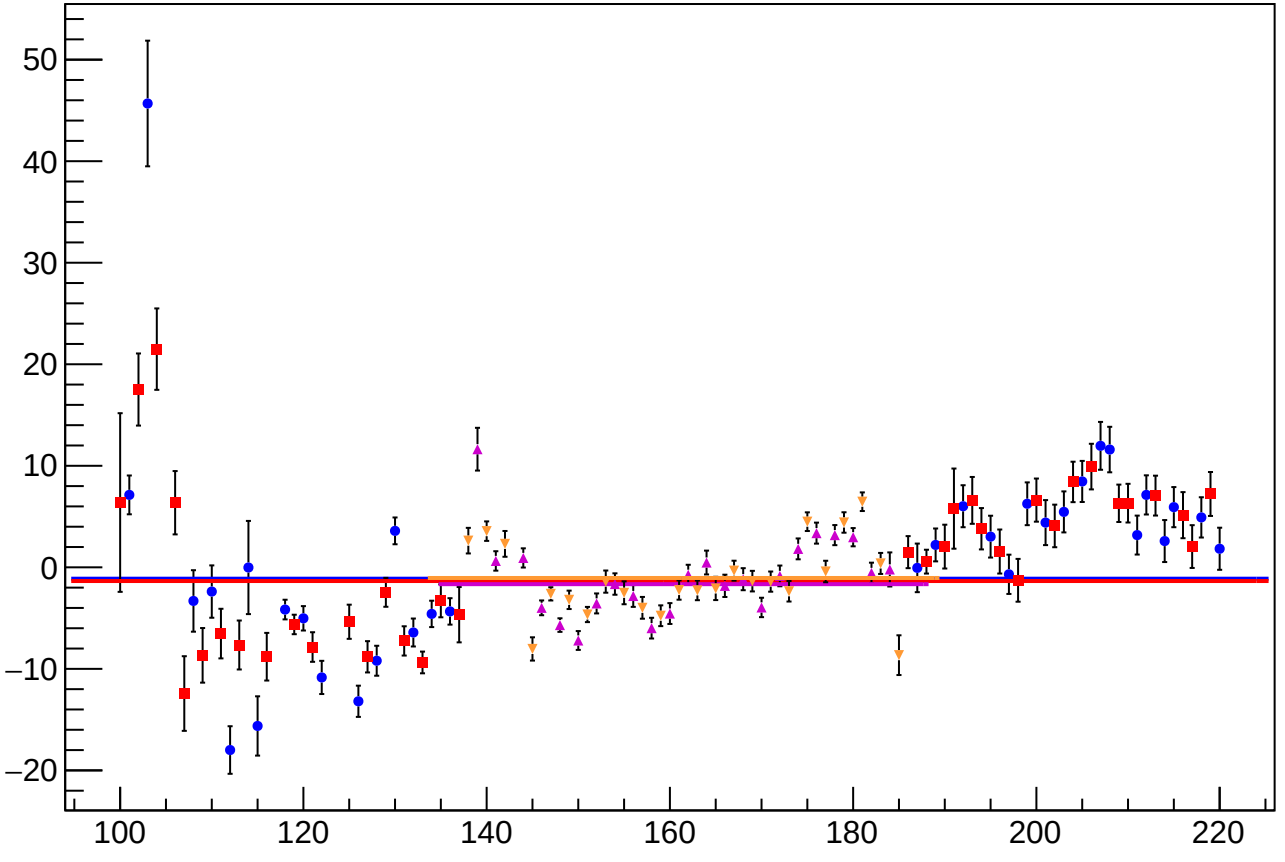
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -31.681+/-0.182 χ^2/NDF: 4703.7/56

All: -30.891+/-0.129 χ^2/NDF: 10207.8/115

- sign -30.095+/-0.183 χ^2/NDF: 5466.3/58

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -1.120+/-0.311 χ^2/NDF: 527.0/32

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -1.349+/-0.311 χ^2/NDF: 430.8/35

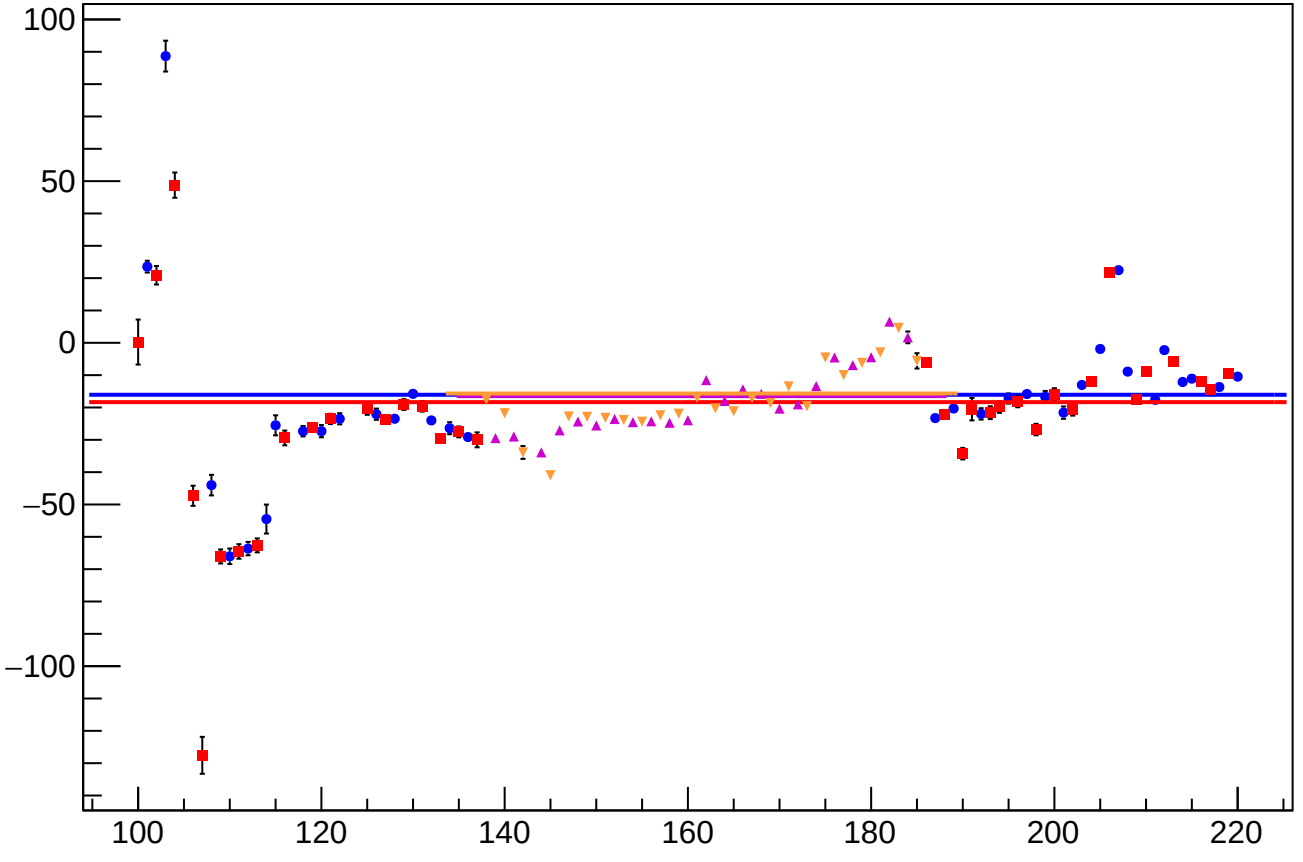
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.071+/-0.170 χ^2/NDF: 816.4/56

All: -1.314+/-0.121 χ^2/NDF: 1516.4/115

- sign -1.564+/-0.172 χ^2/NDF: 695.9/58

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -16.066+/-0.261 χ^2/NDF: 3500.6/32

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -18.343+/-0.255 χ^2/NDF: 3811.5/35

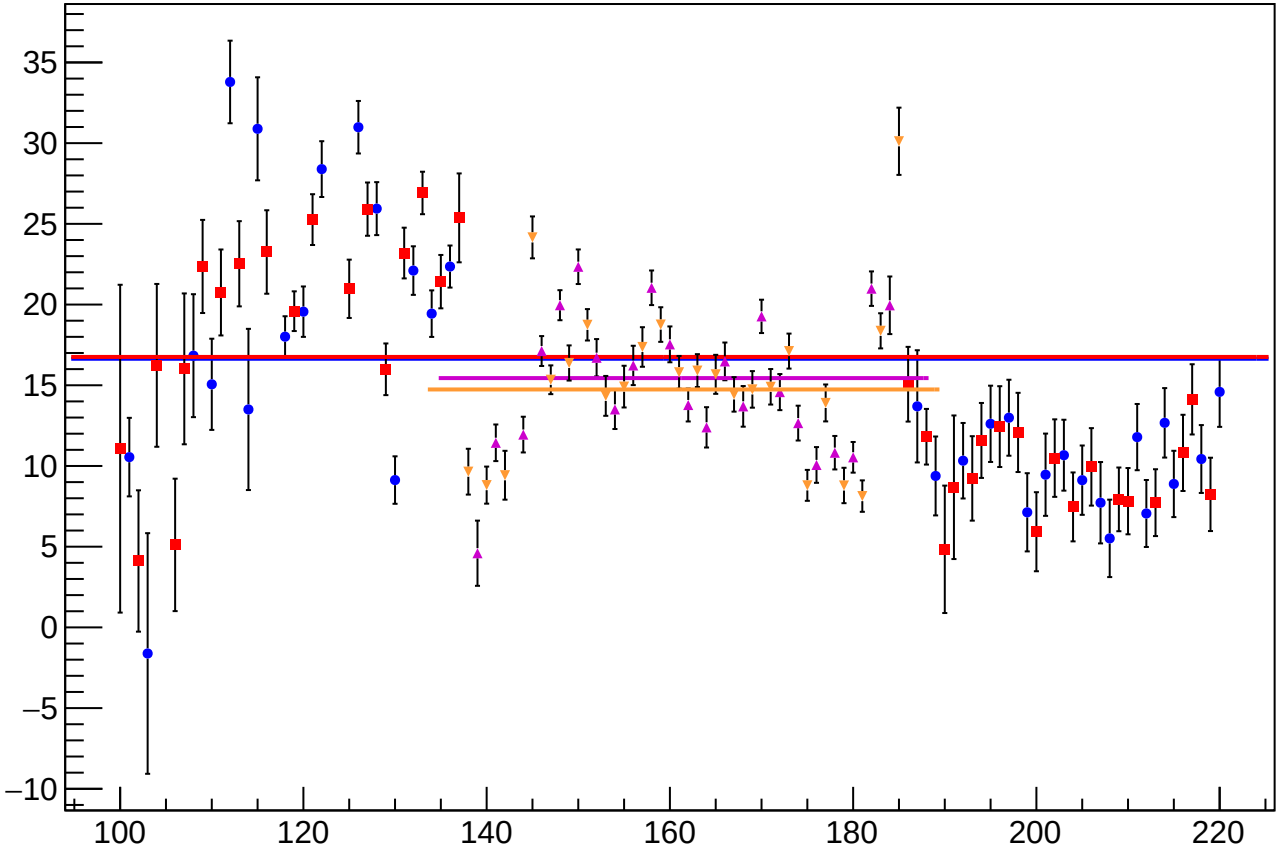
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

\+ sign -15.871+/-0.185 χ^2/NDF: 5022.5/56

All: -16.665+/-0.131 χ^2/NDF: 10593.6/115

\- sign -17.449+/-0.184 χ^2/NDF: 5534.7/58

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 16.643+/-0.354 χ^2/NDF: 454.3/32

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 16.755+/-0.360 χ^2/NDF: 373.2/35

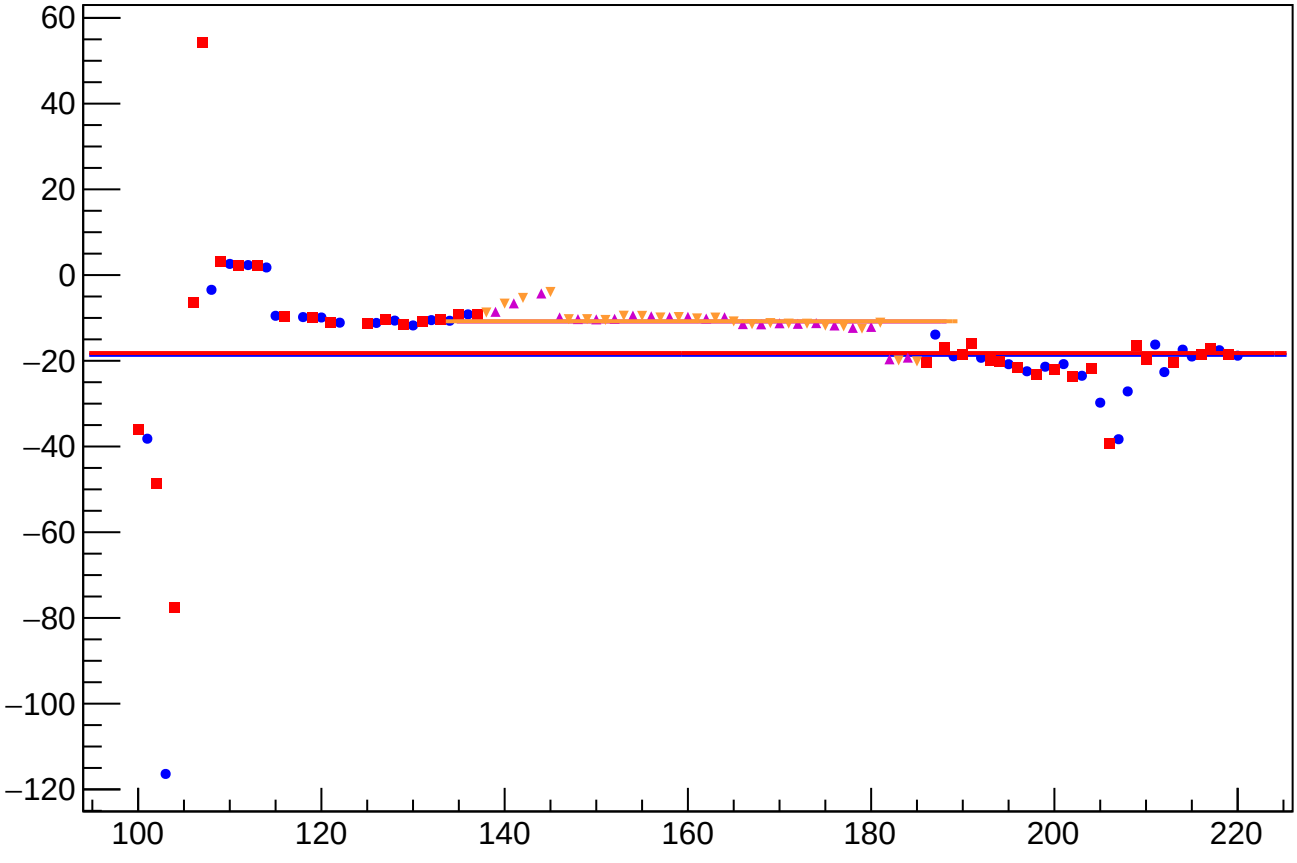
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.304+/-0.192 χ^2/NDF: 805.7/56

All: 15.563+/-0.137 χ^2/NDF: 1482.3/115

- sign 15.831+/-0.196 χ^2/NDF: 672.9/58

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -18.613+/-0.017 χ^2/NDF: 456405.8/32

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.196+/-0.018 χ^2/NDF: 433337.5/35

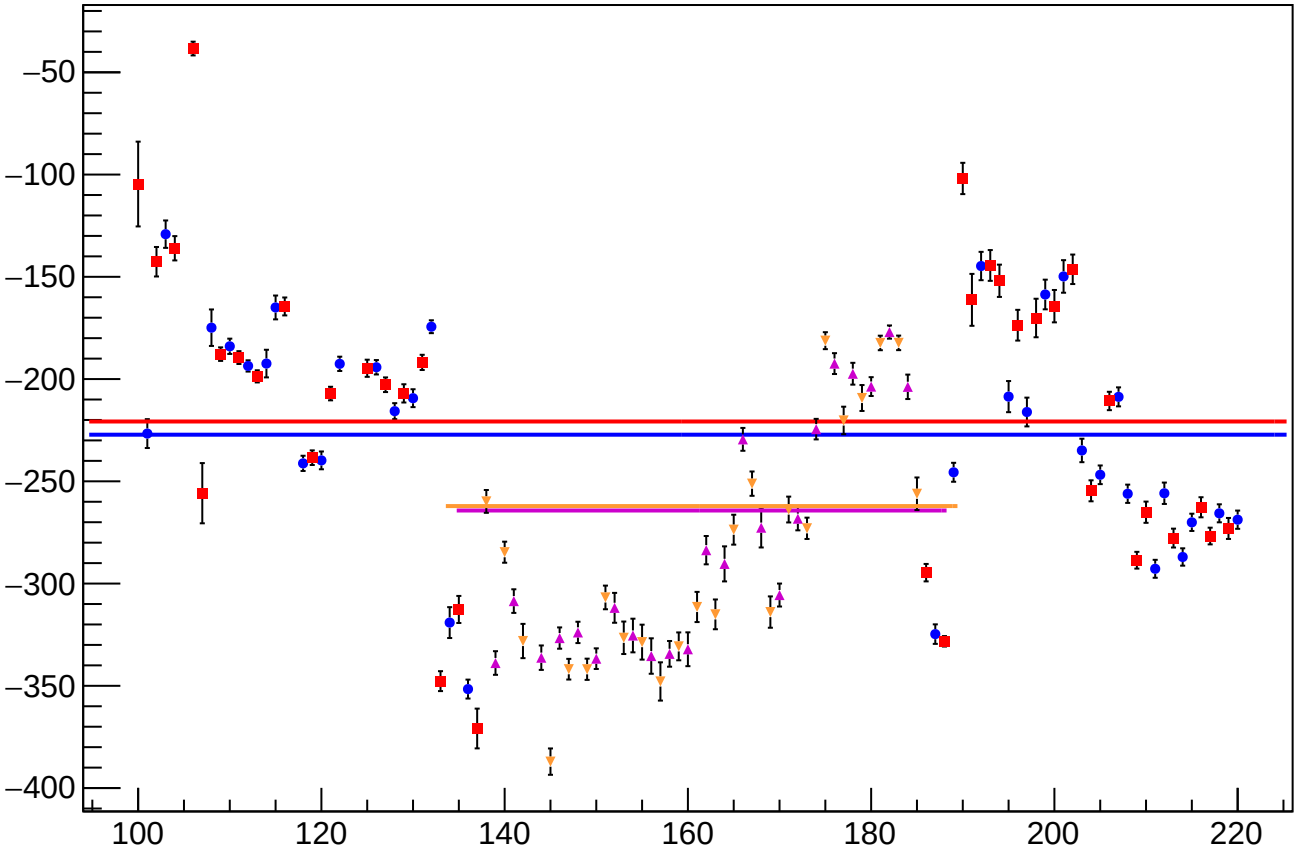
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -12.790+/-0.009 χ^2/NDF: 690195.3/56

All: -12.751+/-0.006 χ^2/NDF: 1327679.2/115

- sign -12.712+/-0.009 χ^2/NDF: 637445.1/58

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -227.203+/-0.806 χ^2/NDF: 3618.8/32

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -220.748+/-0.766 χ^2/NDF: 8652.7/35

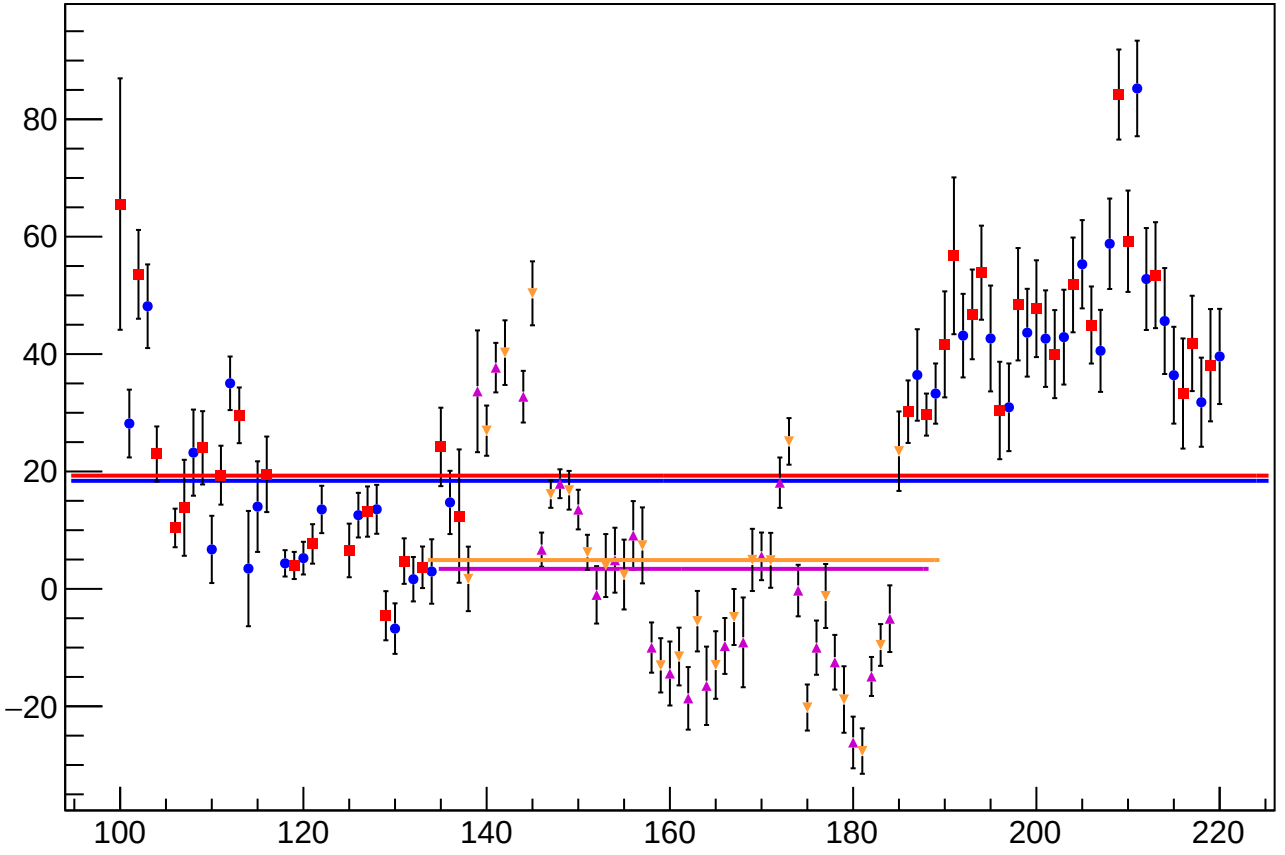
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -238.315+/-0.665 χ^2/NDF: 7180.6/56

All: -235.867+/-0.463 χ^2/NDF: 19551.8/115

- sign -233.576+/-0.644 χ^2/NDF: 12345.0/58

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 18.409+/-0.922 χ^2/NDF: 403.4/32

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 19.293+/-0.891 χ^2/NDF: 412.8/35

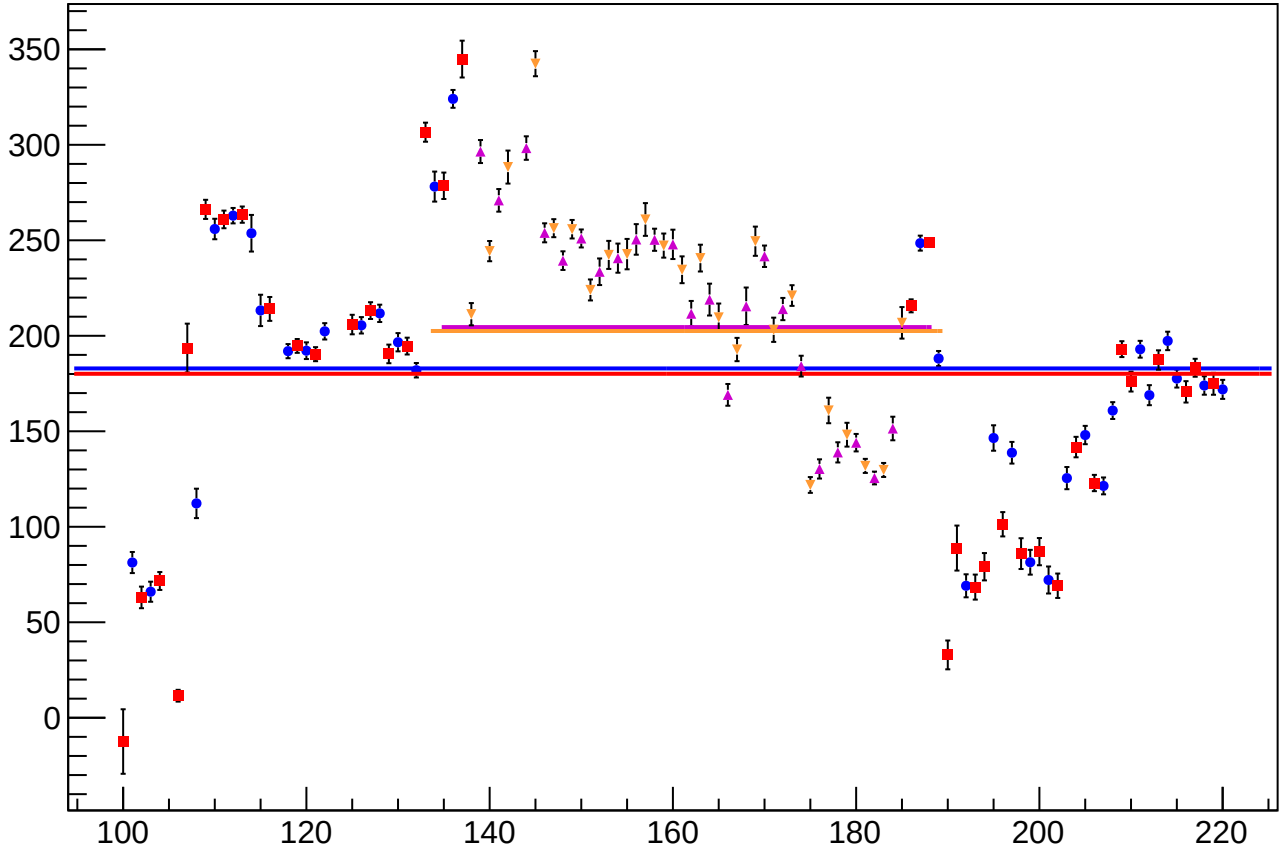
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 11.392+/-0.639 χ^2/NDF: 913.7/56

All: 11.413+/-0.450 χ^2/NDF: 1816.9/115

- sign 11.434+/-0.634 χ^2/NDF: 903.2/58

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 182.904+/-0.859 χ^2/NDF: 4348.2/32

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 180.107+/-0.798 χ^2/NDF: 9504.3/35

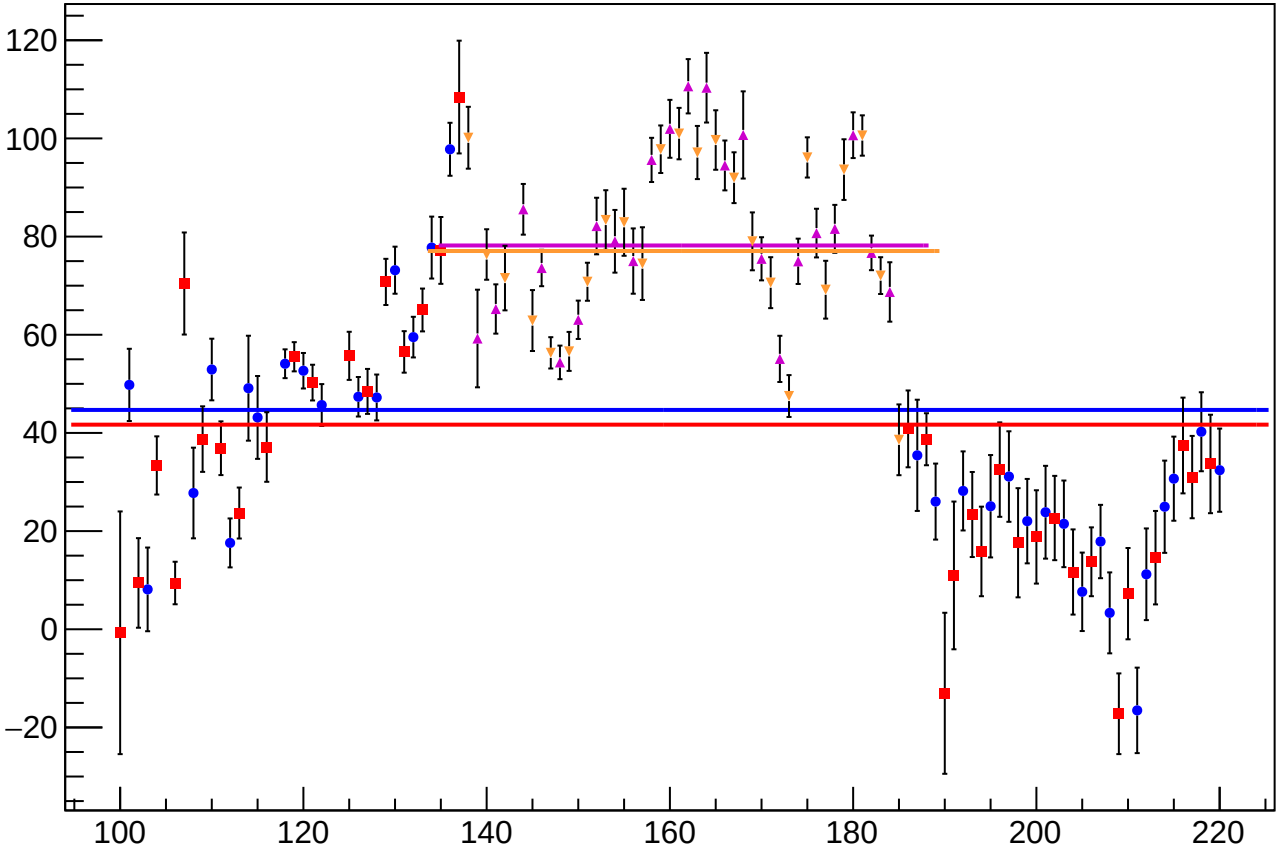
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 189.752+/-0.693 χ^2/NDF: 6923.6/56

All: 188.733+/-0.478 χ^2/NDF: 19013.4/115

- sign 187.807+/-0.661 χ^2/NDF: 12085.7/58

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 44.685+/-1.069 χ^2/NDF: 408.4/32

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 41.685+/-1.047 χ^2/NDF: 419.4/35

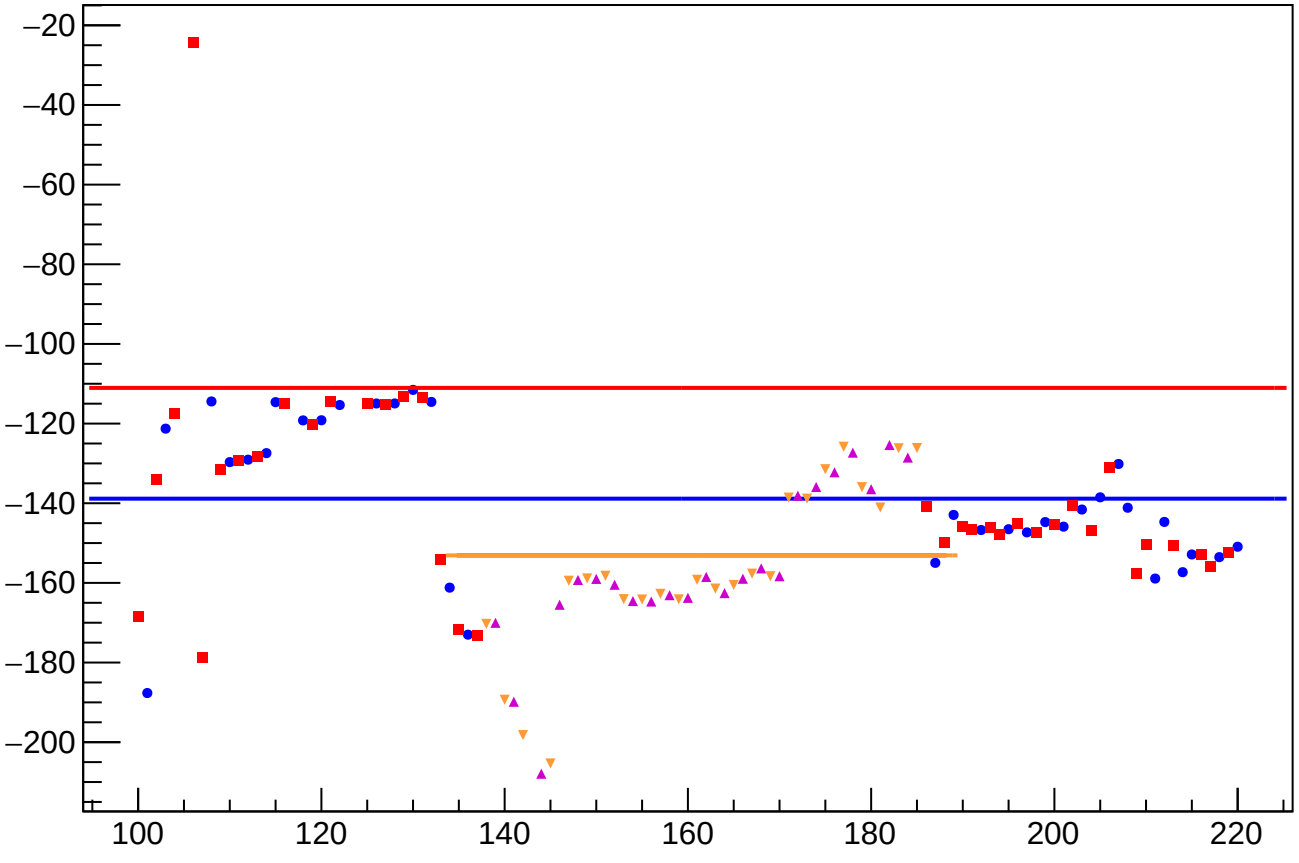
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 61.714+/-0.736 χ^2/NDF: 1201.8/56

All: 61.008+/-0.519 χ^2/NDF: 2476.1/115

- sign 60.309+/-0.733 χ^2/NDF: 1272.5/58

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -138.851+/-0.058 χ^2/NDF: 110879.2/32

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -111.038+/-0.050 χ^2/NDF: 1037806.6/35

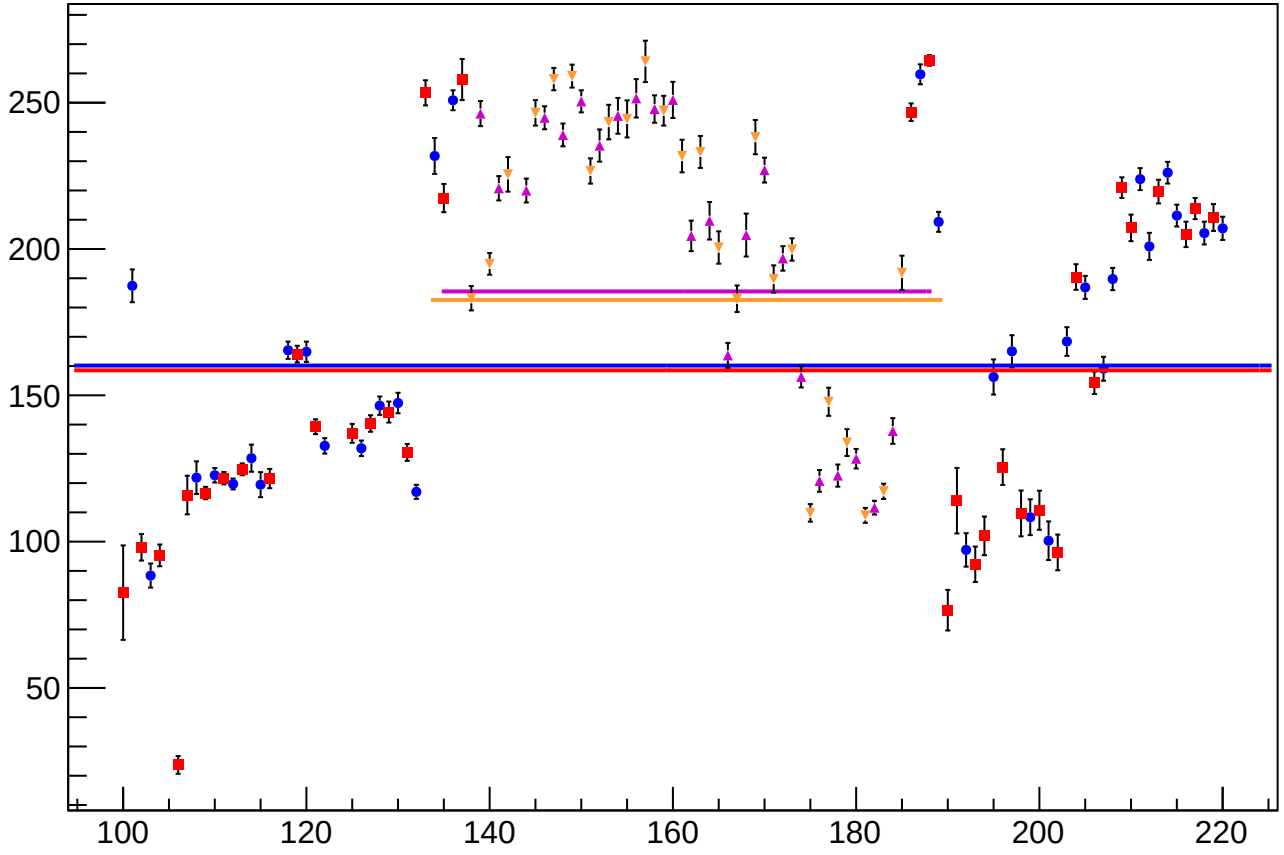
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.462+/-0.036 χ^2/NDF: 324839.9/56

All: -140.091+/-0.025 χ^2/NDF: 1982637.4/11

- sign -133.626+/-0.034 χ^2/NDF: 1581192.7/58

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 160.167+/-0.624 χ^2/NDF: 5229.9/32

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 158.539+/-0.584 χ^2/NDF: 10749.8/35

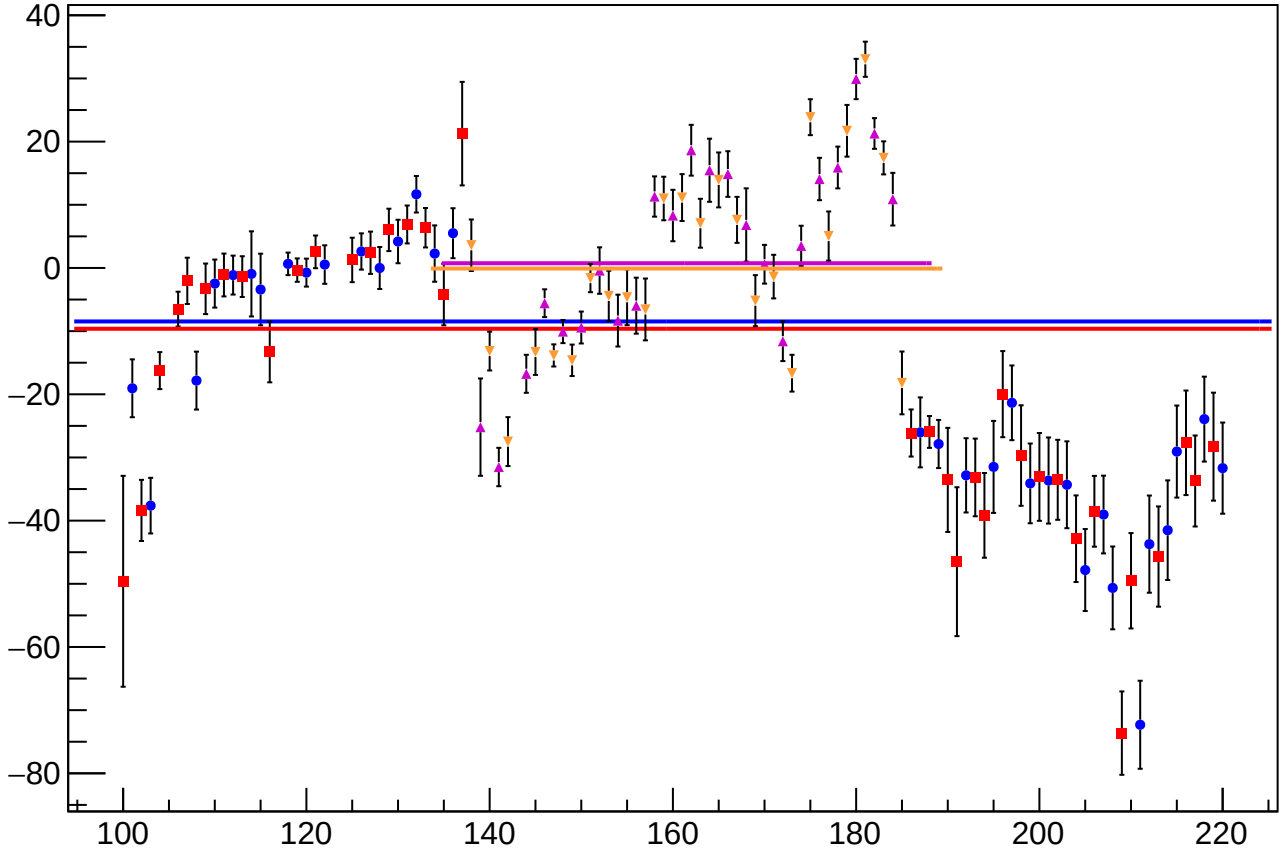
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

+ sign 167.839+/-0.506 χ^2/NDF: 9823.4/56

All: 167.342+/-0.350 χ^2/NDF: 25056.4/115

- sign 166.886+/-0.485 χ^2/NDF: 15231.2/58

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -8.467+/-0.714 χ^2/NDF: 573.4/32

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -9.626+/-0.679 χ^2/NDF: 592.9/35

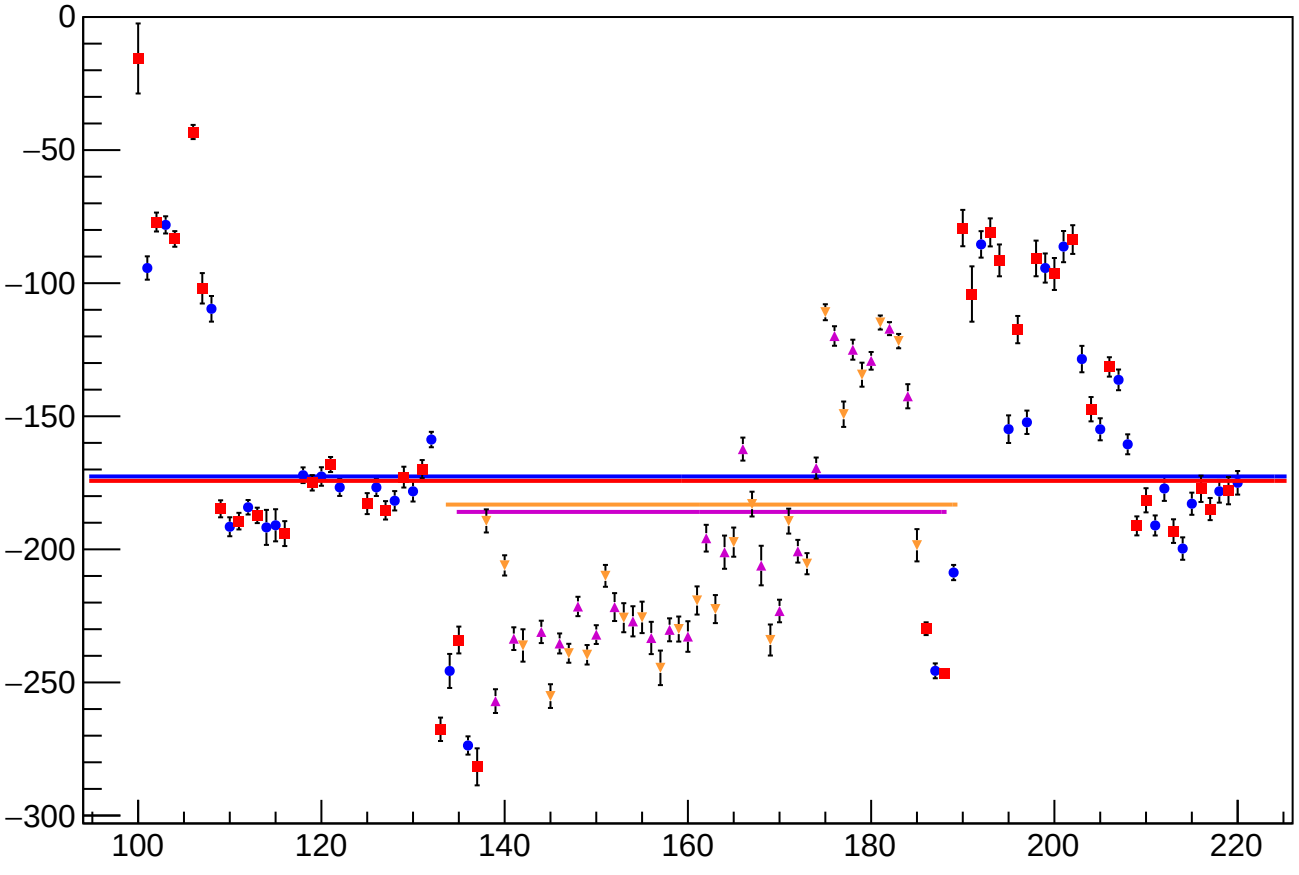
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

\+ sign -3.919+/-0.482 χ^2/NDF: 1203.5/56

All: -4.129+/-0.339 χ^2/NDF: 2413.6/115

\- sign -4.333+/-0.475 χ^2/NDF: 1209.7/58

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -172.612+/-0.670 χ^2/NDF: 4315.9/32

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -174.276+/-0.609 χ^2/NDF: 10051.1/35

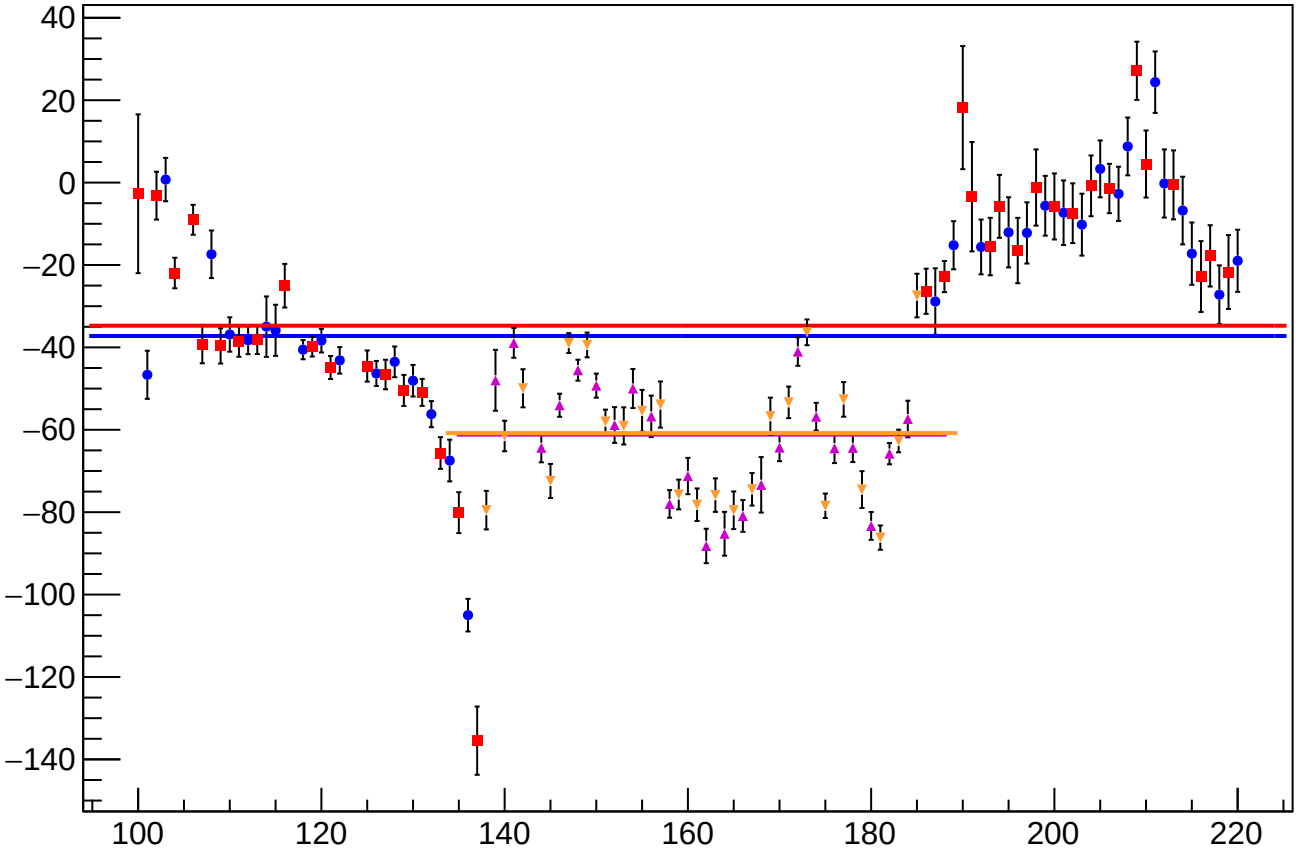
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

\+ sign -176.585+/-0.529 χ^2/NDF: 7770.7/56

All: -177.403+/-0.363 χ^2/NDF: 21129.0/115

\- sign -178.130+/-0.498 χ^2/NDF: 13353.8/58

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -37.232+/-0.829 χ^2/NDF: 770.5/32

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -34.739+/-0.800 χ^2/NDF: 751.2/35

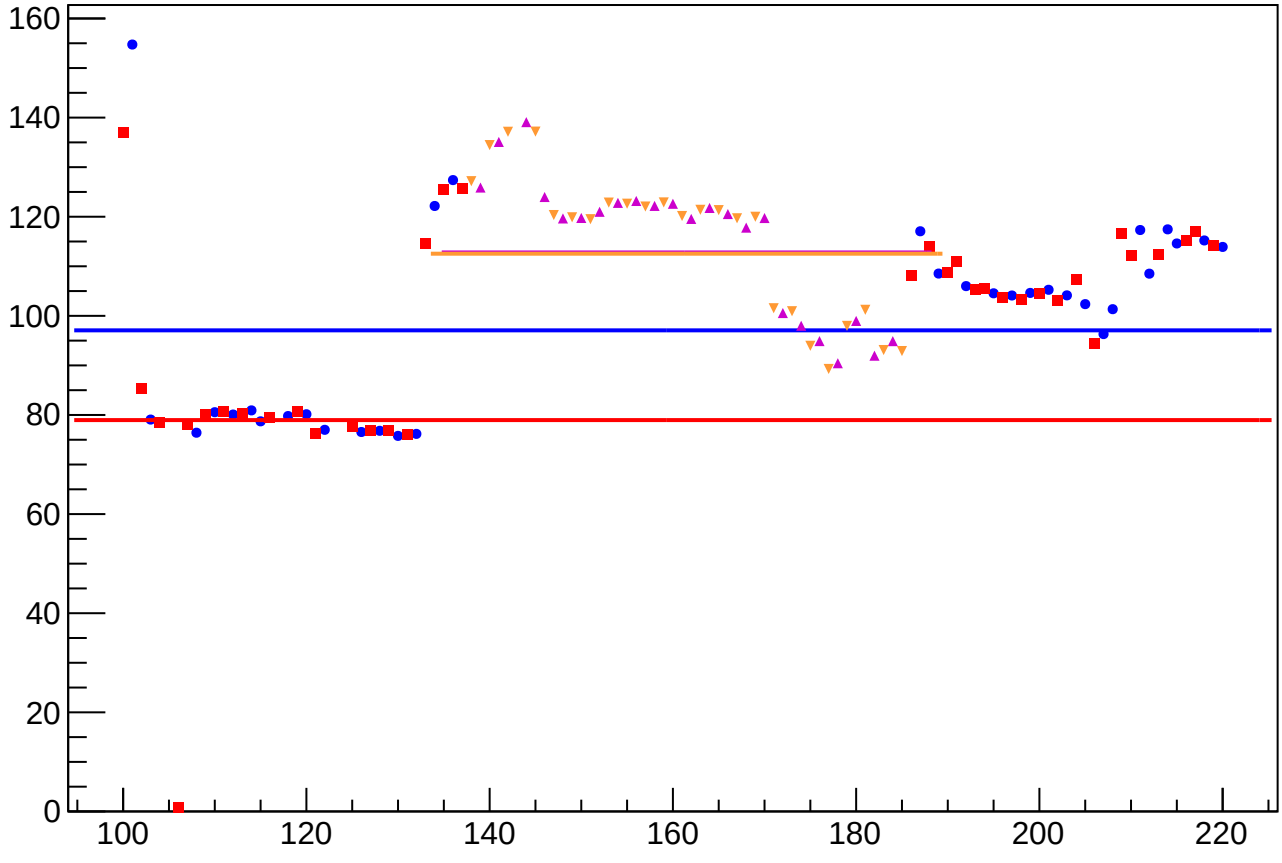
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

\+ sign -50.204+/-0.556 χ^2/NDF: 1689.9/56

All: -49.438+/-0.391 χ^2/NDF: 3337.8/115

\- sign -48.687+/-0.550 χ^2/NDF: 1644.2/58

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 97.074+/-0.045 χ^2/NDF: 195661.4/32

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 78.967+/-0.040 χ^2/NDF: 930453.0/35

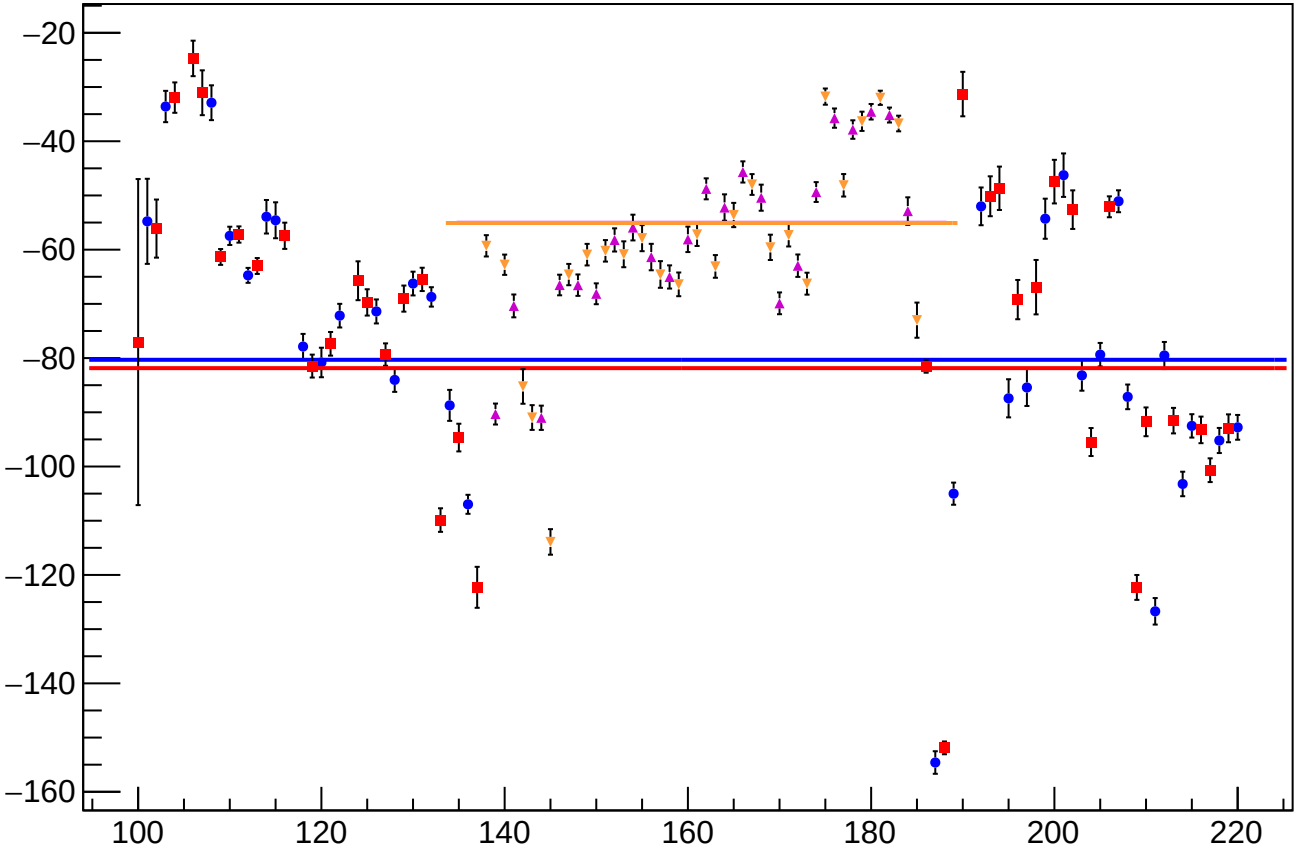
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.776+/-0.027 χ^2/NDF: 444689.3/56

All: 102.323+/-0.019 χ^2/NDF: 2010634.2/115

- sign 98.302+/-0.026 χ^2/NDF: 1515646.7/58

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -80.314+/-0.410 χ^2/NDF: 3690.8/32

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -81.855+/-0.379 χ^2/NDF: 6674.8/35

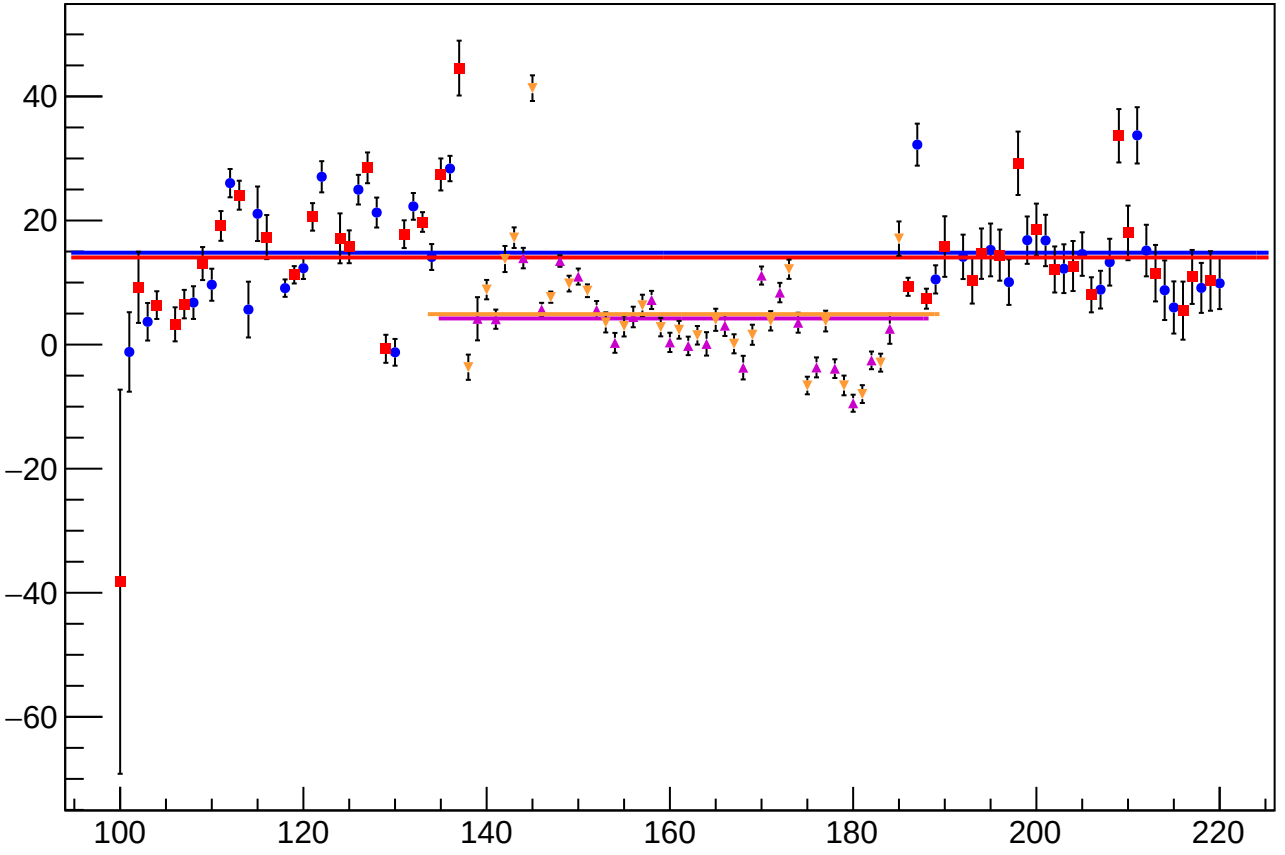
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -67.414+/-0.286 χ^2/NDF: 7634.3/57

All: -68.487+/-0.200 χ^2/NDF: 18177.7/116

- sign -69.503+/-0.279 χ^2/NDF: 10516.1/58

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 14.812+/-0.486 χ^2/NDF: 306.2/32

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 14.047+/-0.450 χ^2/NDF: 315.9/35

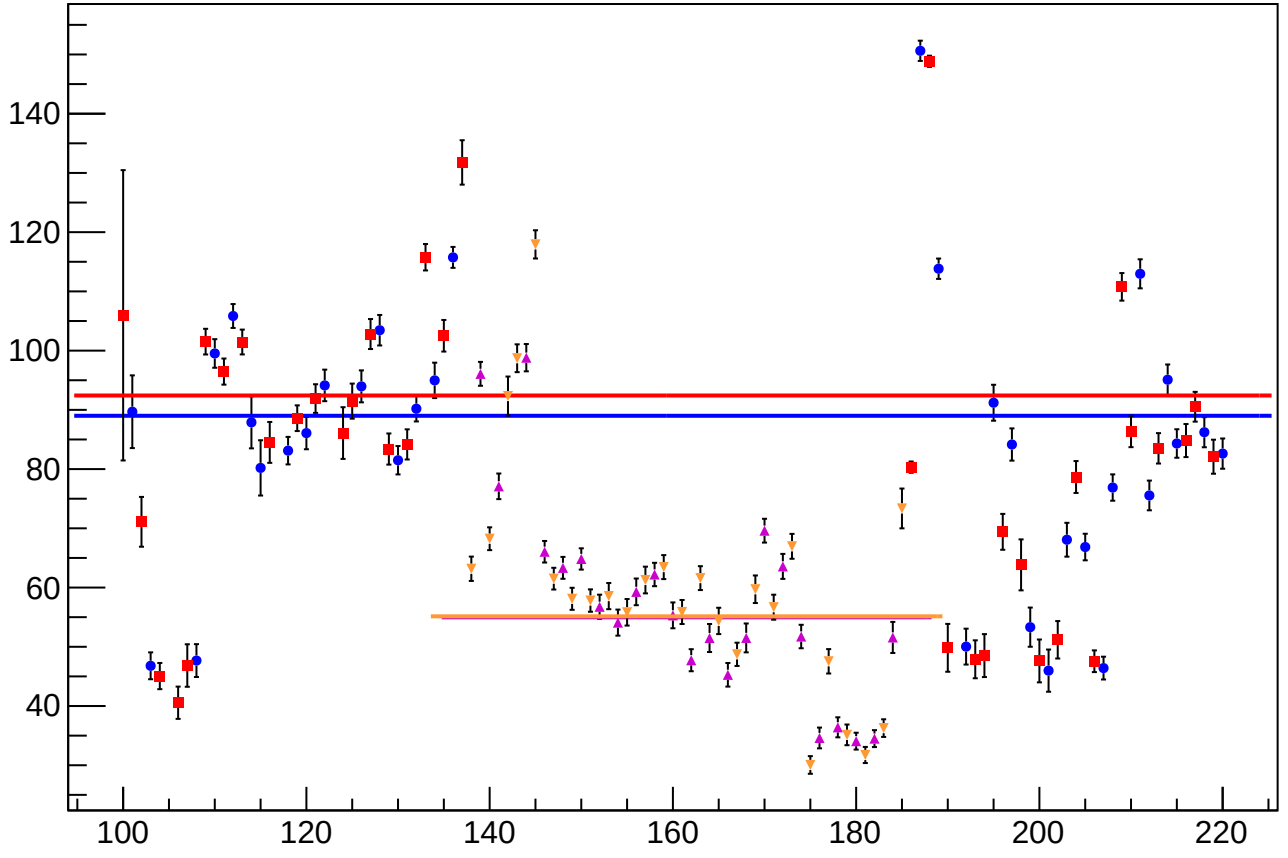
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.658+/-0.256 χ^2/NDF: 1347.3/57

All: 7.537+/-0.181 χ^2/NDF: 2401.3/116

- sign 7.416+/-0.256 χ^2/NDF: 1053.6/58

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 89.000+/-0.431 χ^2/NDF: 3700.7/32

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 92.425+/-0.385 χ^2/NDF: 6633.6/35

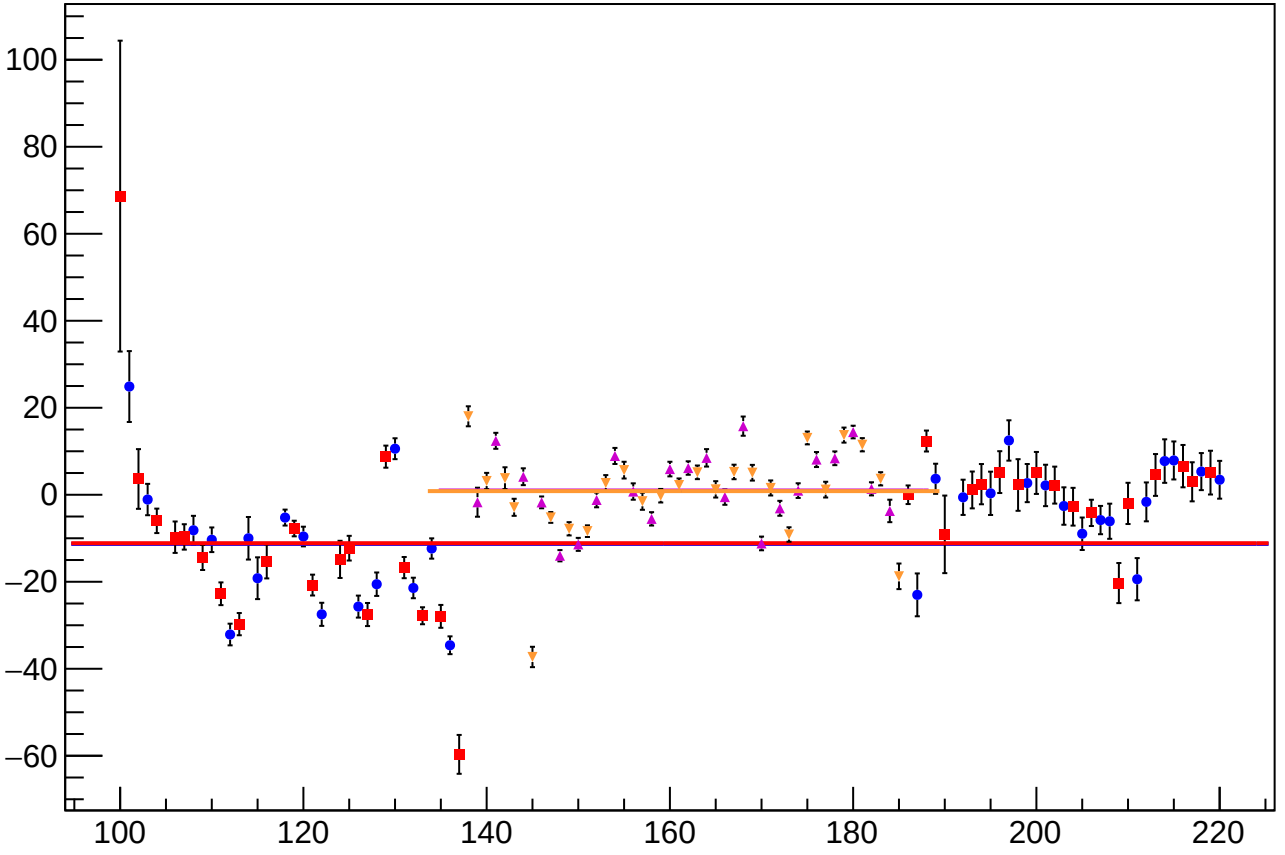
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 70.690+/-0.292 χ^2/NDF: 9284.8/57

All: 72.772+/-0.202 χ^2/NDF: 22282.7/116

- sign 74.677+/-0.279 χ^2/NDF: 12900.5/58

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -11.295+/-0.559 χ^2/NDF: 583.7/32

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

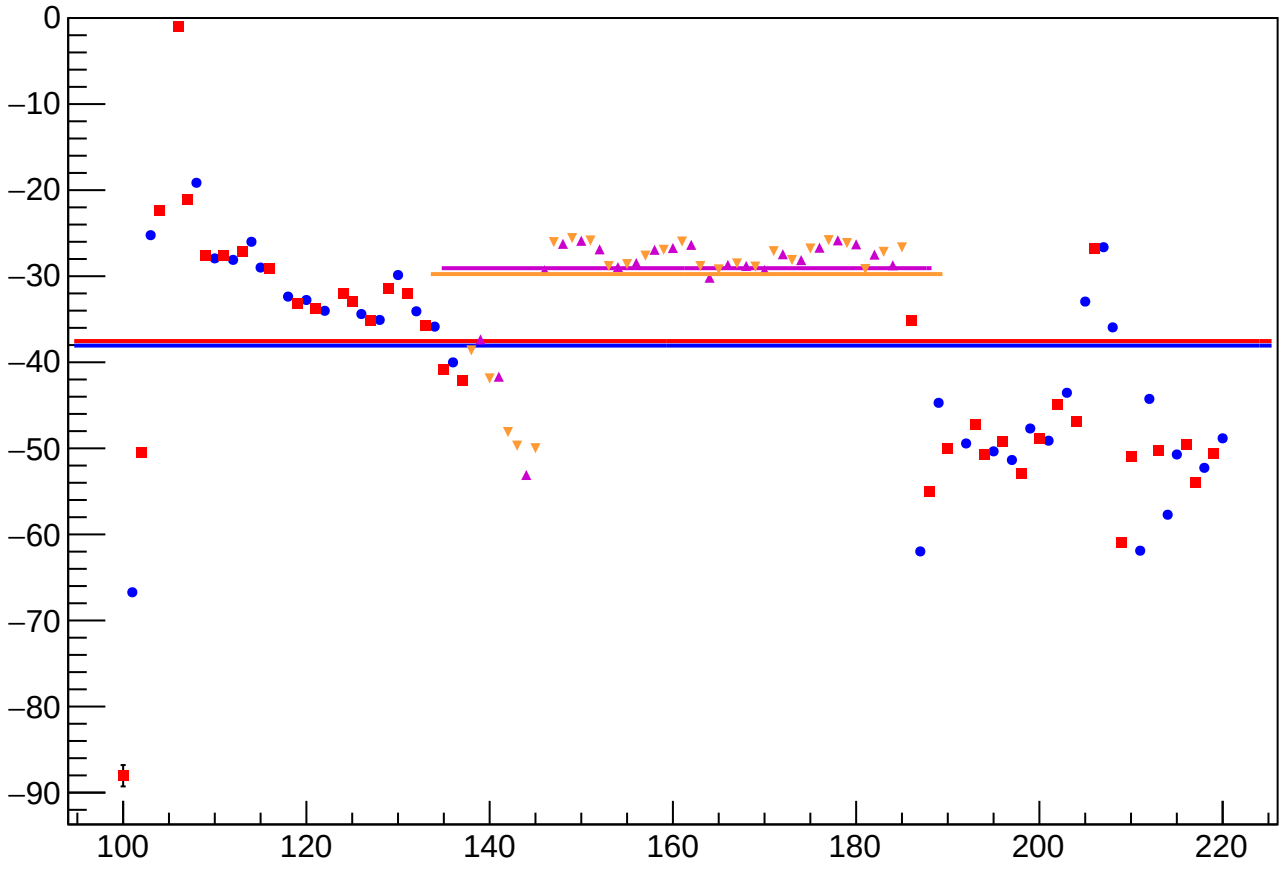
Right Out: -11.139+/-0.533 χ^2/NDF: 683.9/35

Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.478+/-0.292 χ^2/NDF: 1643.5/57

All: -2.598+/-0.207 χ^2/NDF: 3245.3/116

- sign -2.719+/-0.295 χ^2/NDF: 1601.5/58



Right In: -38.058+/-0.028 χ^2/NDF: 146470.2/32

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -37.533+/-0.028 χ^2/NDF: 240645.3/35

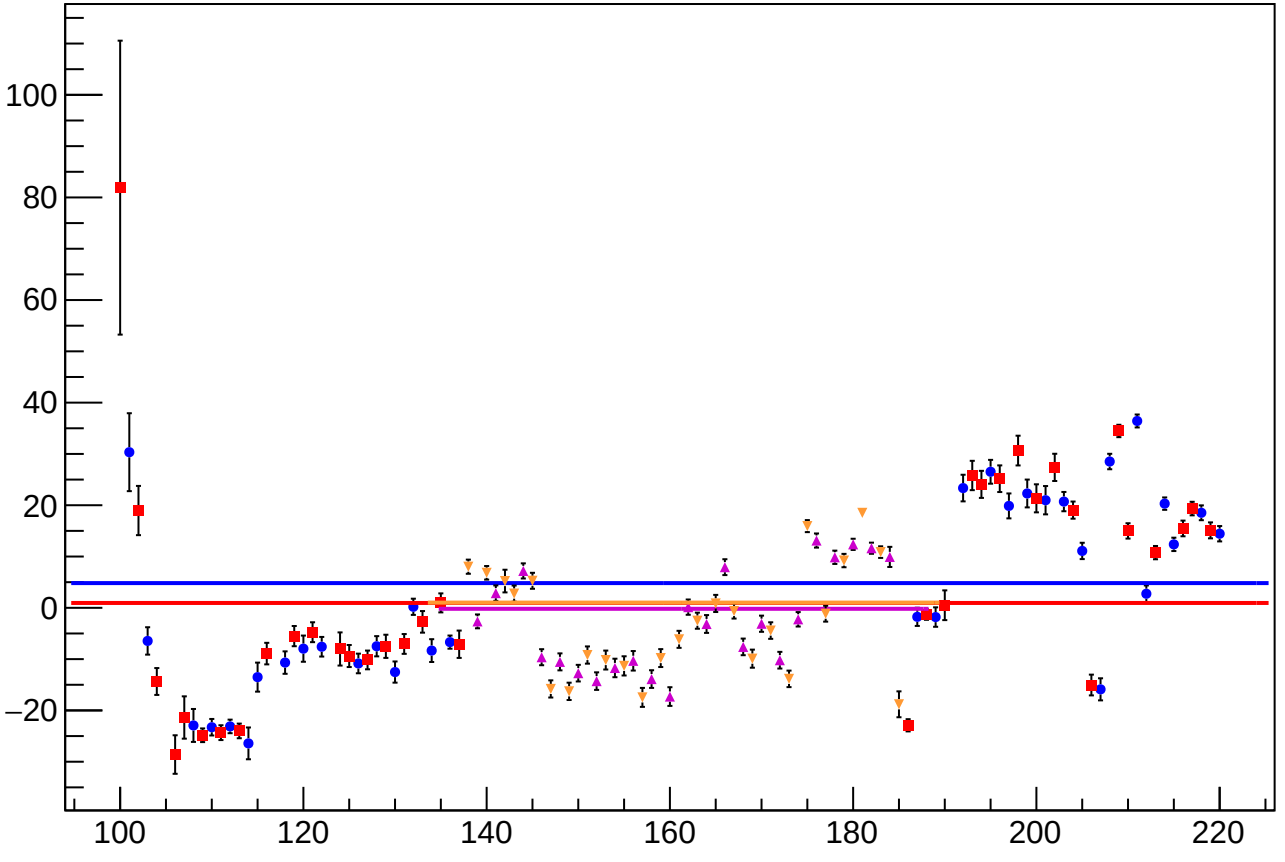
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.722+/-0.014 χ^2/NDF: 377418.0/57

All: -31.439+/-0.010 χ^2/NDF: 791251.2/116

- sign -31.153+/-0.014 χ^2/NDF: 412964.4/58

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: 4.821+/-0.317 χ^2/NDF: 3079.6/32

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: 0.948+/-0.306 χ^2/NDF: 3653.7/35

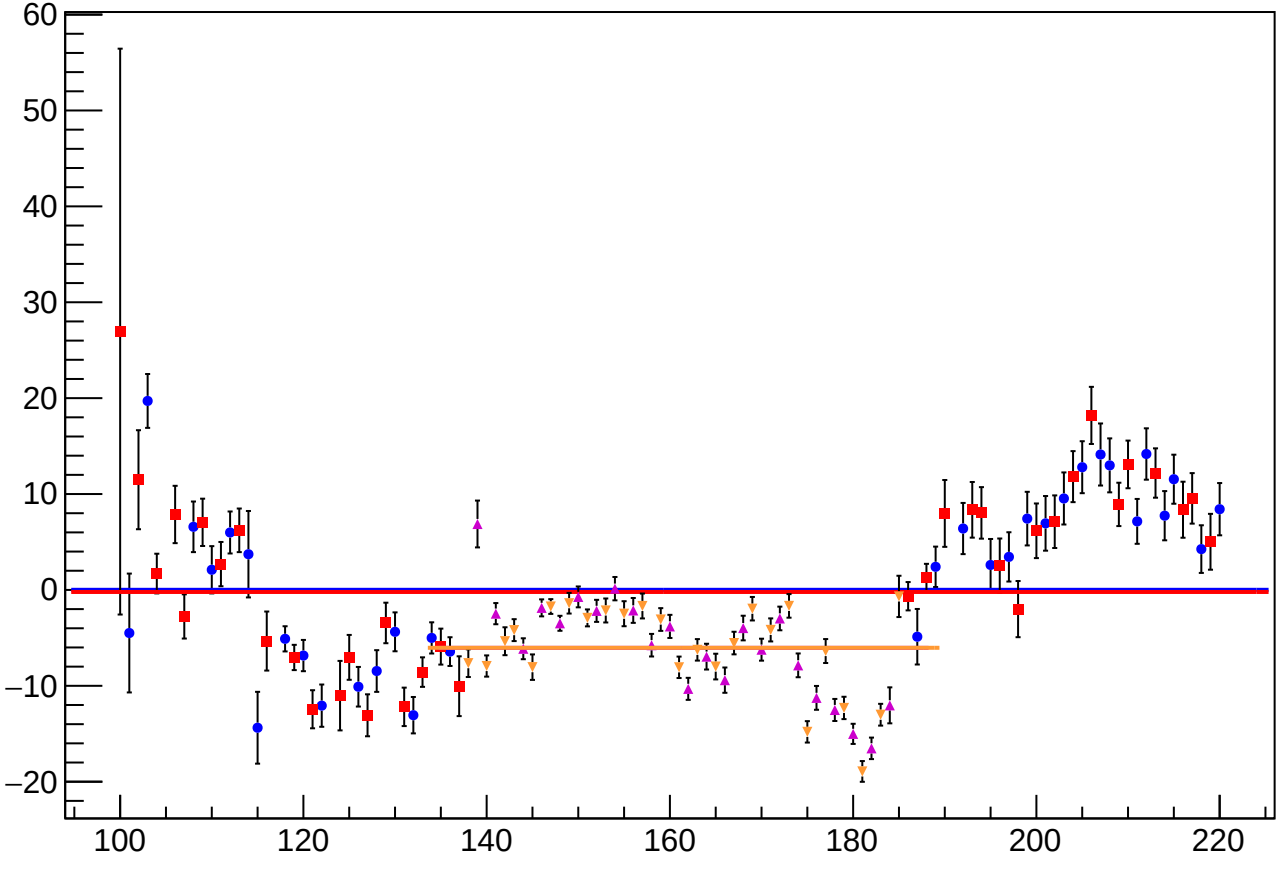
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign 2.845+/-0.220 χ^2/NDF: 4489.6/57

All: 1.617+/-0.155 χ^2/NDF: 9195.2/116

- sign 0.394+/-0.219 χ^2/NDF: 4643.2/58

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: 0.013+/-0.402 χ^2/NDF: 441.2/32

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -0.213+/-0.386 χ^2/NDF: 430.6/35

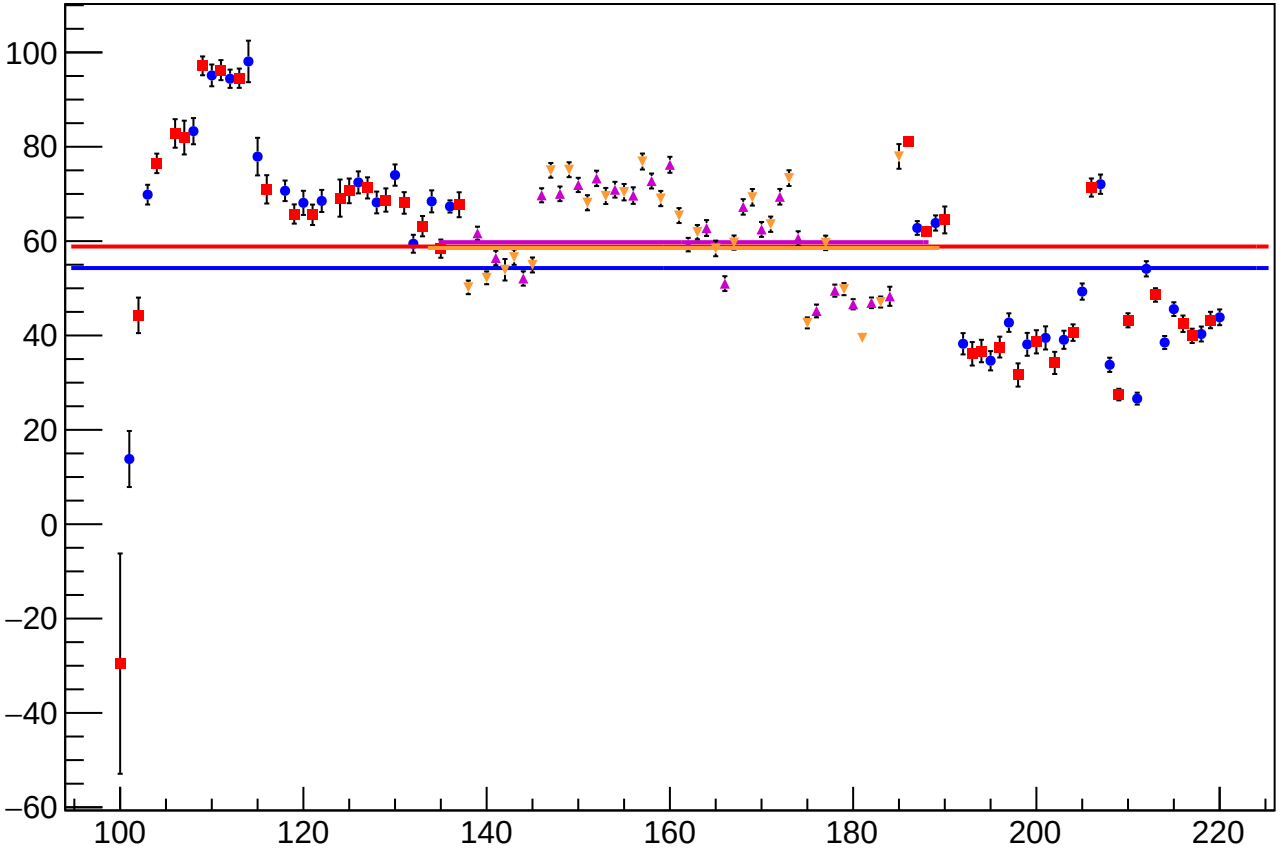
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

\+ sign -4.513+/-0.202 χ^2/NDF: 1025.3/57

All: -4.452+/-0.144 χ^2/NDF: 2016.0/116

\- sign -4.388+/-0.205 χ^2/NDF: 990.5/58

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 54.290+/-0.332 χ^2/NDF: 2953.0/32

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 58.855+/-0.313 χ^2/NDF: 3748.9/35

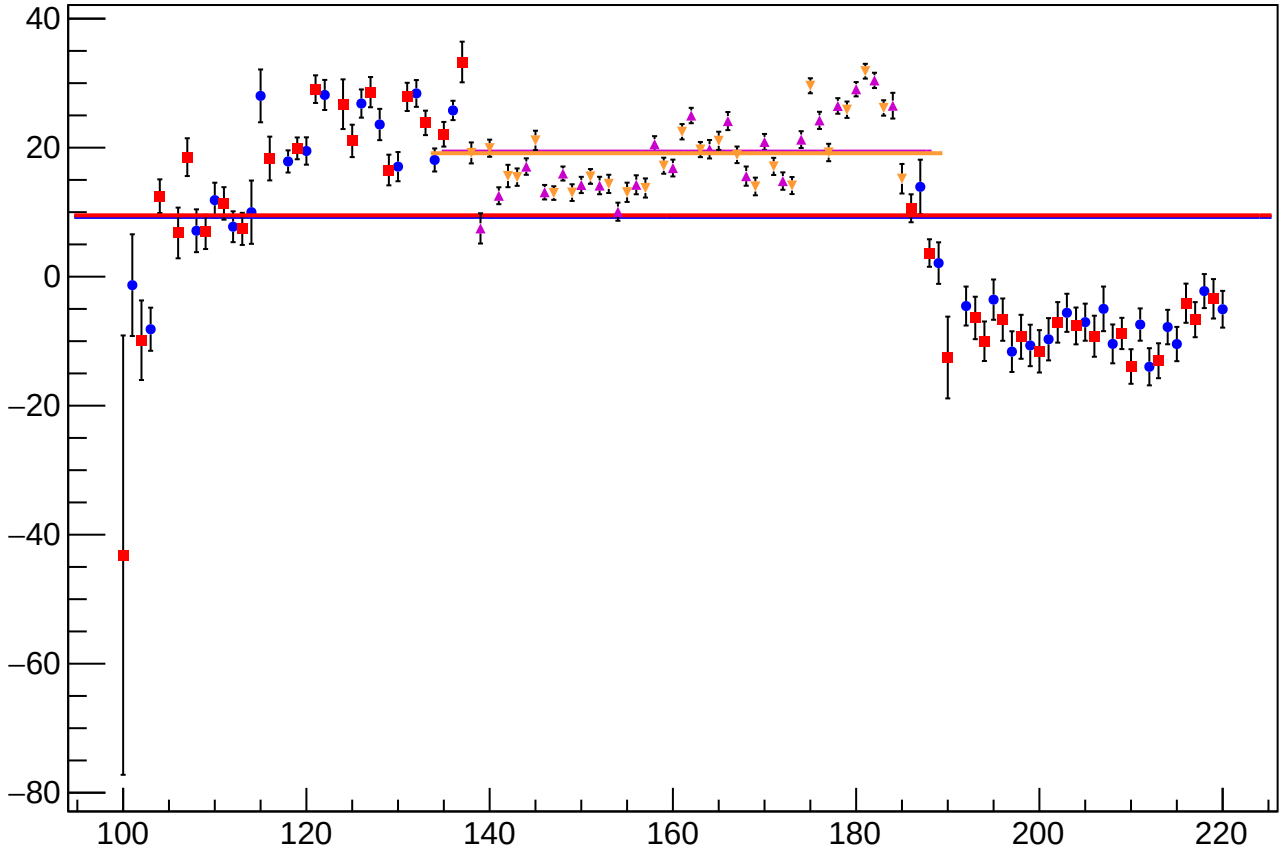
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

\+ sign 56.607+/-0.224 χ^2/NDF: 4491.4/57

All: 57.981+/-0.157 χ^2/NDF: 9389.6/116

\- sign 59.318+/-0.221 χ^2/NDF: 4823.8/58

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 9.266+/-0.455 χ^2/NDF: 1034.3/32

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 9.510+/-0.449 χ^2/NDF: 1052.7/35

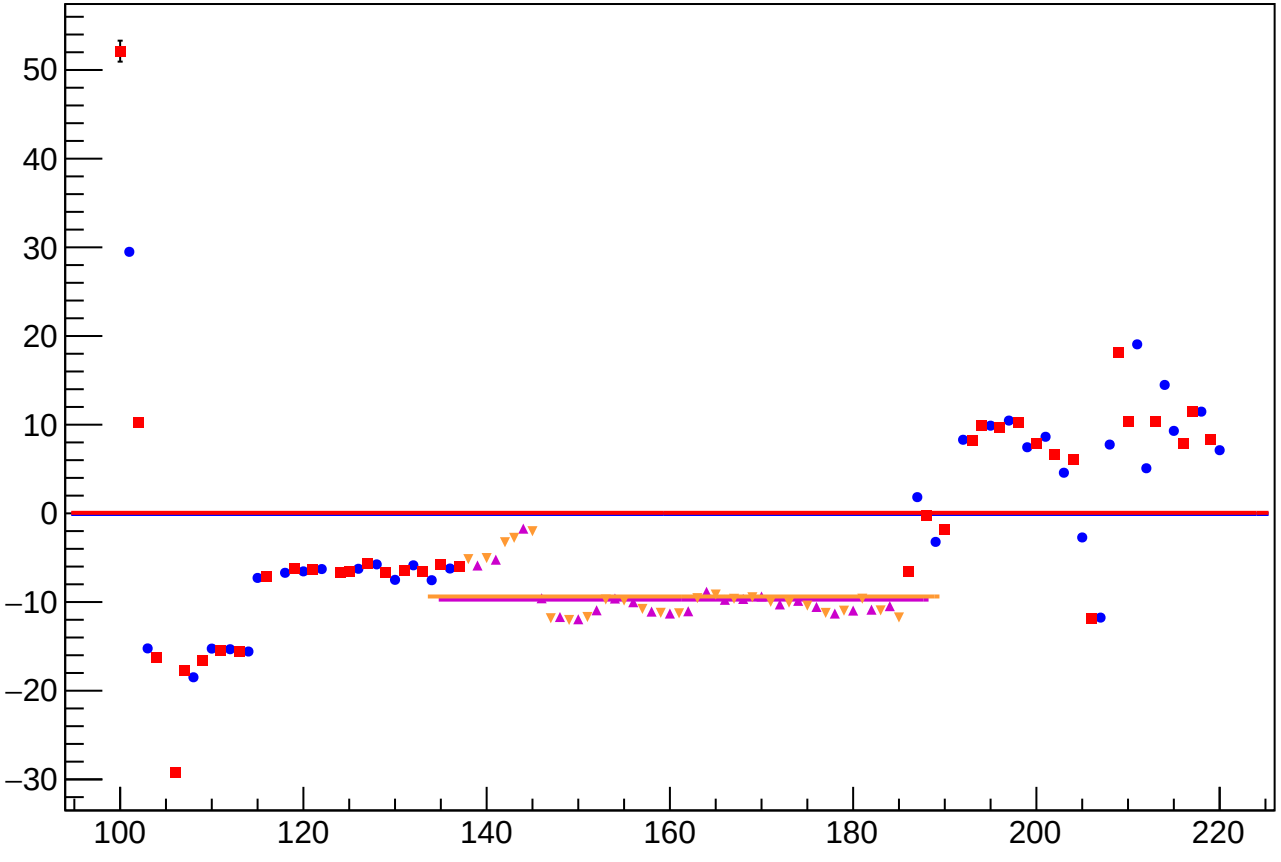
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 16.651+/-0.228 χ^2/NDF: 1820.3/57

All: 16.681+/-0.163 χ^2/NDF: 3694.2/116

- sign 16.712+/-0.234 χ^2/NDF: 1873.8/58

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -0.070+/-0.022 χ^2/NDF: 219200.5/32

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: 0.061+/-0.022 χ^2/NDF: 248255.4/35

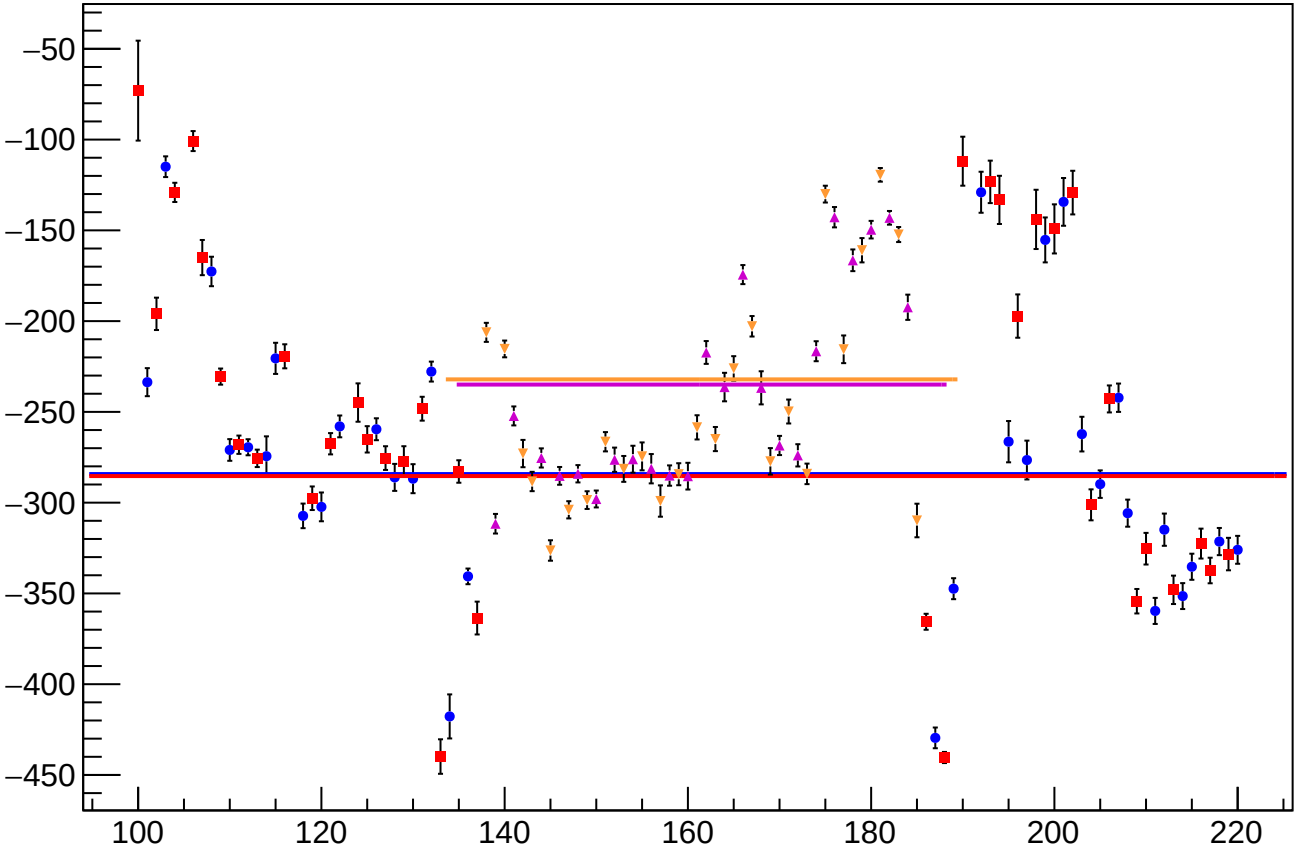
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

\+ sign -7.245+/-0.010 χ^2/NDF: 409510.6/57

All: -7.343+/-0.007 χ^2/NDF: 842106.8/116

\- sign -7.444+/-0.011 χ^2/NDF: 432416.3/58

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -284.258+/-1.241 χ^2/NDF: 3190.1/32

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -285.354+/-1.139 χ^2/NDF: 7085.9/35

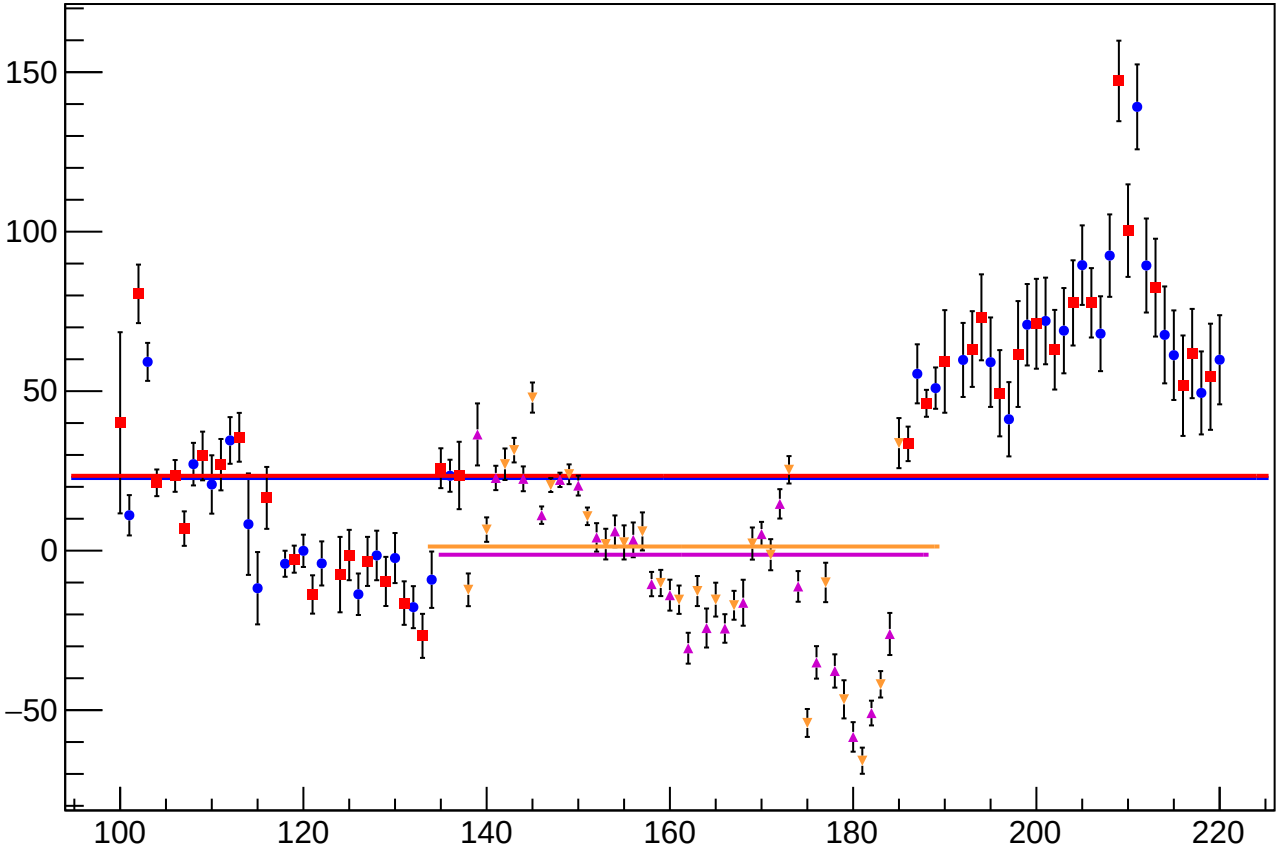
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -256.044+/-0.841 χ^2/NDF: 7416.5/57

All: -258.569+/-0.586 χ^2/NDF: 17938.5/116

- sign -260.960+/-0.818 χ^2/NDF: 10504.5/58

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 22.764+/-1.424 χ^2/NDF: 521.8/32

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 23.459+/-1.300 χ^2/NDF: 550.5/35

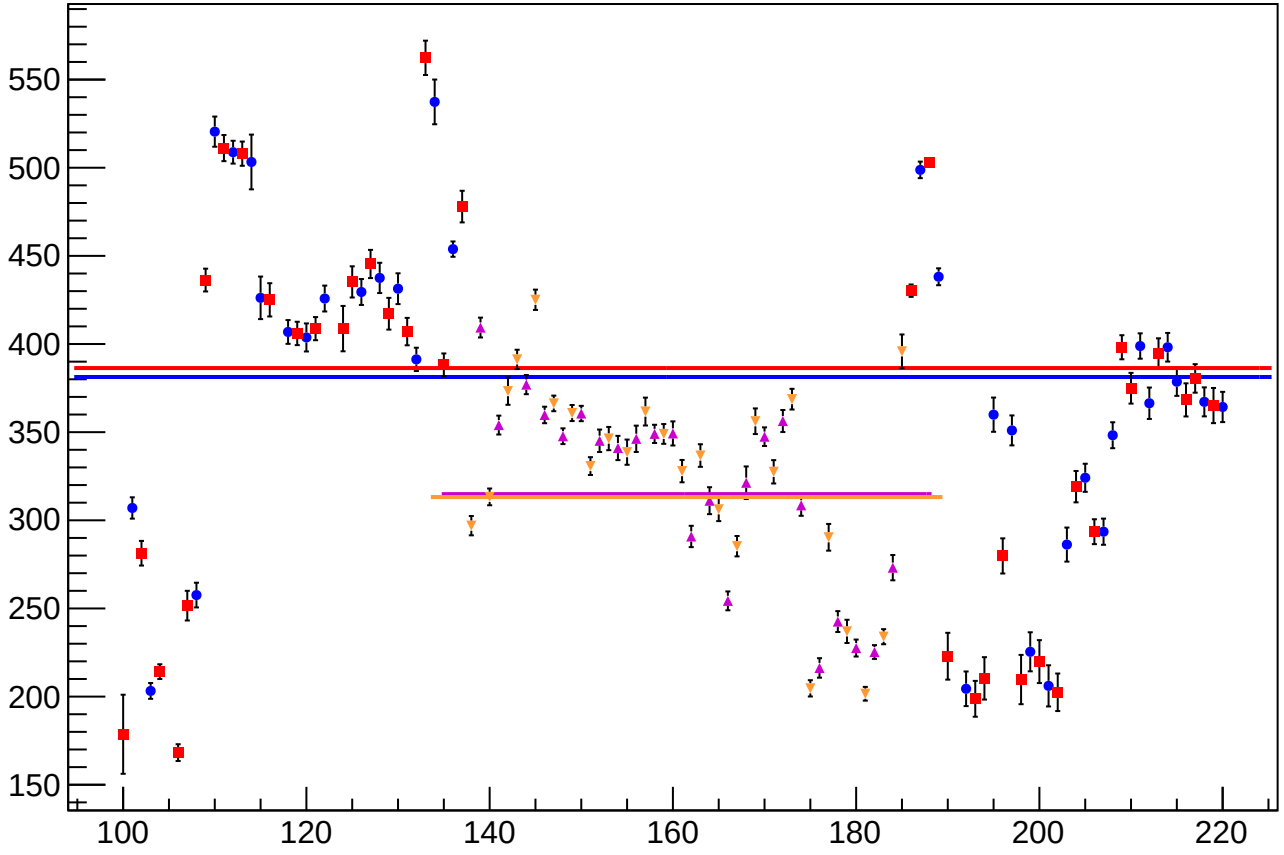
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

\+ sign 6.804+/-0.722 χ^2/NDF: 1740.1/57

All: 6.582+/-0.510 χ^2/NDF: 3352.4/116

\- sign 6.359+/-0.722 χ^2/NDF: 1612.1/58

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 381.294+/-1.267 χ^2/NDF: 5241.0/32

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 386.370+/-1.128 χ^2/NDF: 9710.3/35

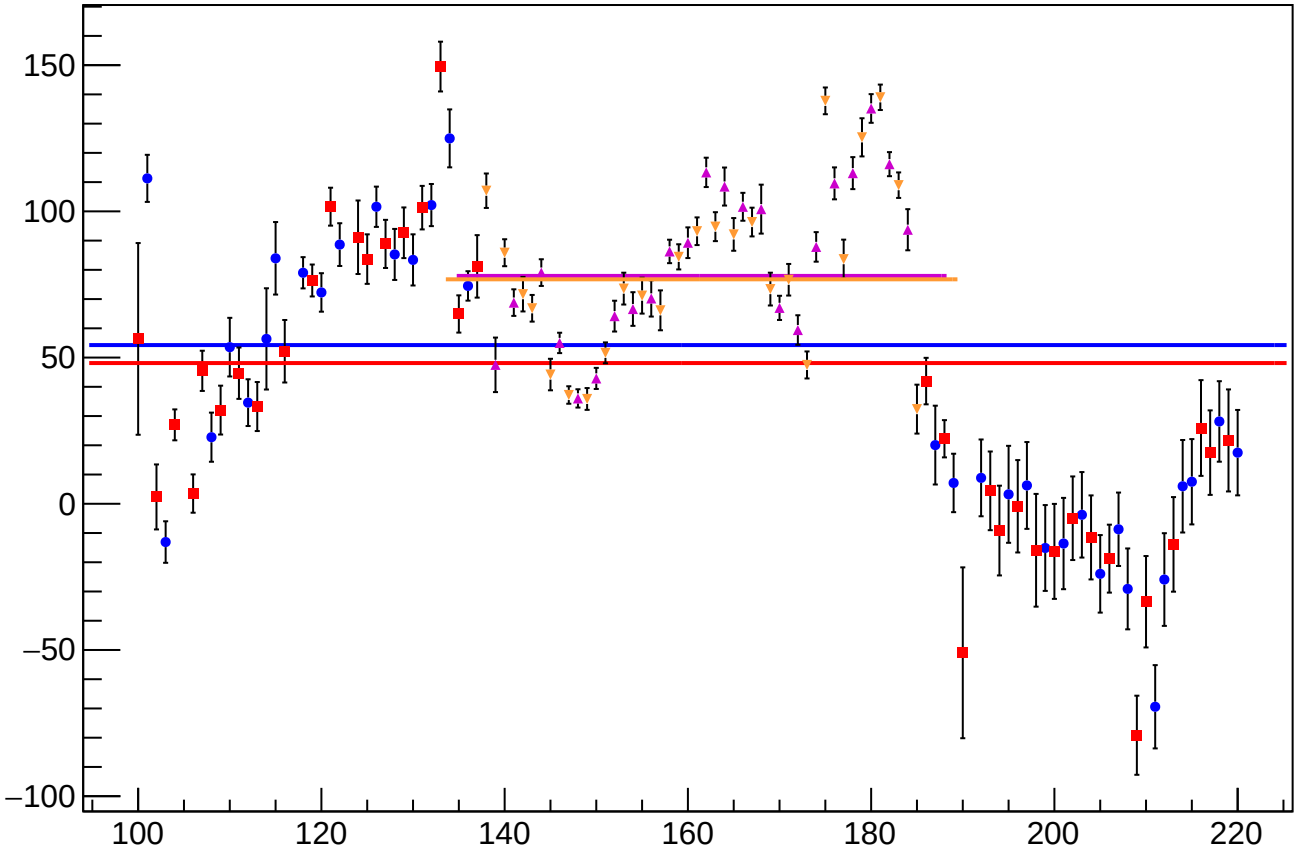
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 343.480+/-0.845 χ^2/NDF: 9980.5/57

All: 347.749+/-0.584 χ^2/NDF: 24119.6/116

- sign 351.662+/-0.809 χ^2/NDF: 14090.2/58

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 54.273+/-1.654 χ^2/NDF: 743.6/32

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 48.122+/-1.553 χ^2/NDF: 763.8/35

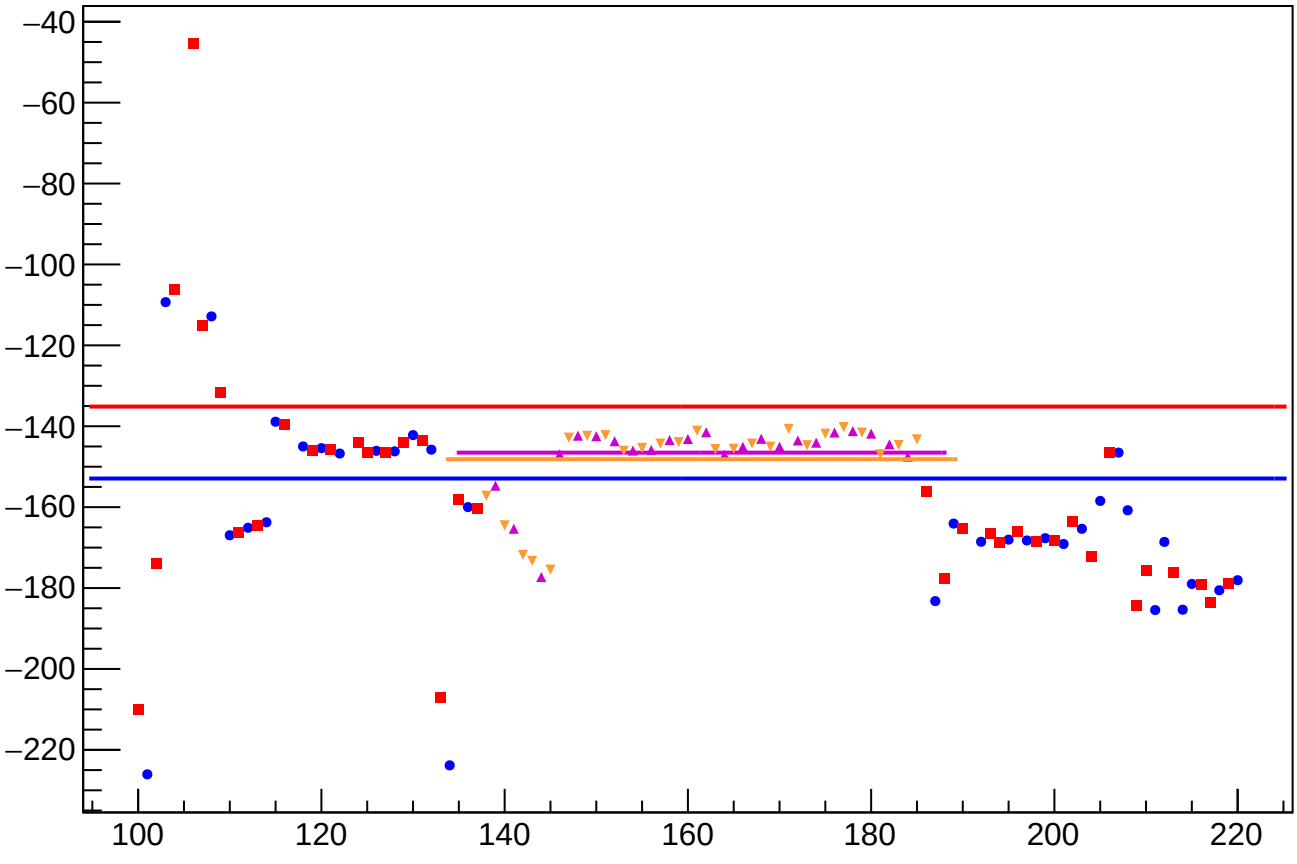
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 71.032+/-0.835 χ^2/NDF: 1916.8/57

All: 70.134+/-0.592 χ^2/NDF: 3727.6/116

- sign 69.227+/-0.839 χ^2/NDF: 1808.5/58

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -152.924+/-0.080 χ^2/NDF: 154493.2/32

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -135.137+/-0.074 χ^2/NDF: 368336.7/35

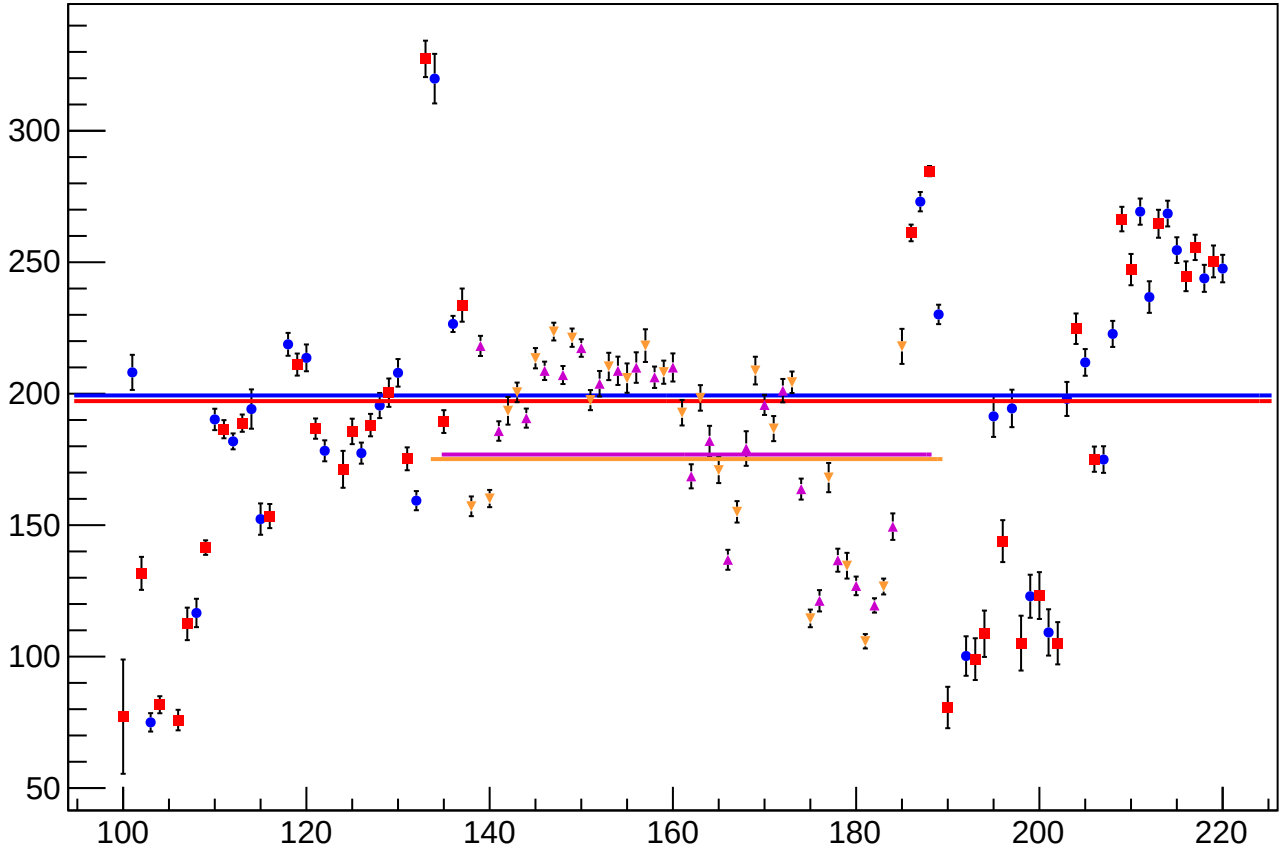
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -149.306+/-0.039 χ^2/NDF: 206123.0/57

All: -146.302+/-0.028 χ^2/NDF: 632480.0/116

- sign -143.374+/-0.039 χ^2/NDF: 414786.9/58

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 199.336+/-0.833 χ^2/NDF: 3665.3/32

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 197.179+/-0.757 χ^2/NDF: 7572.3/35

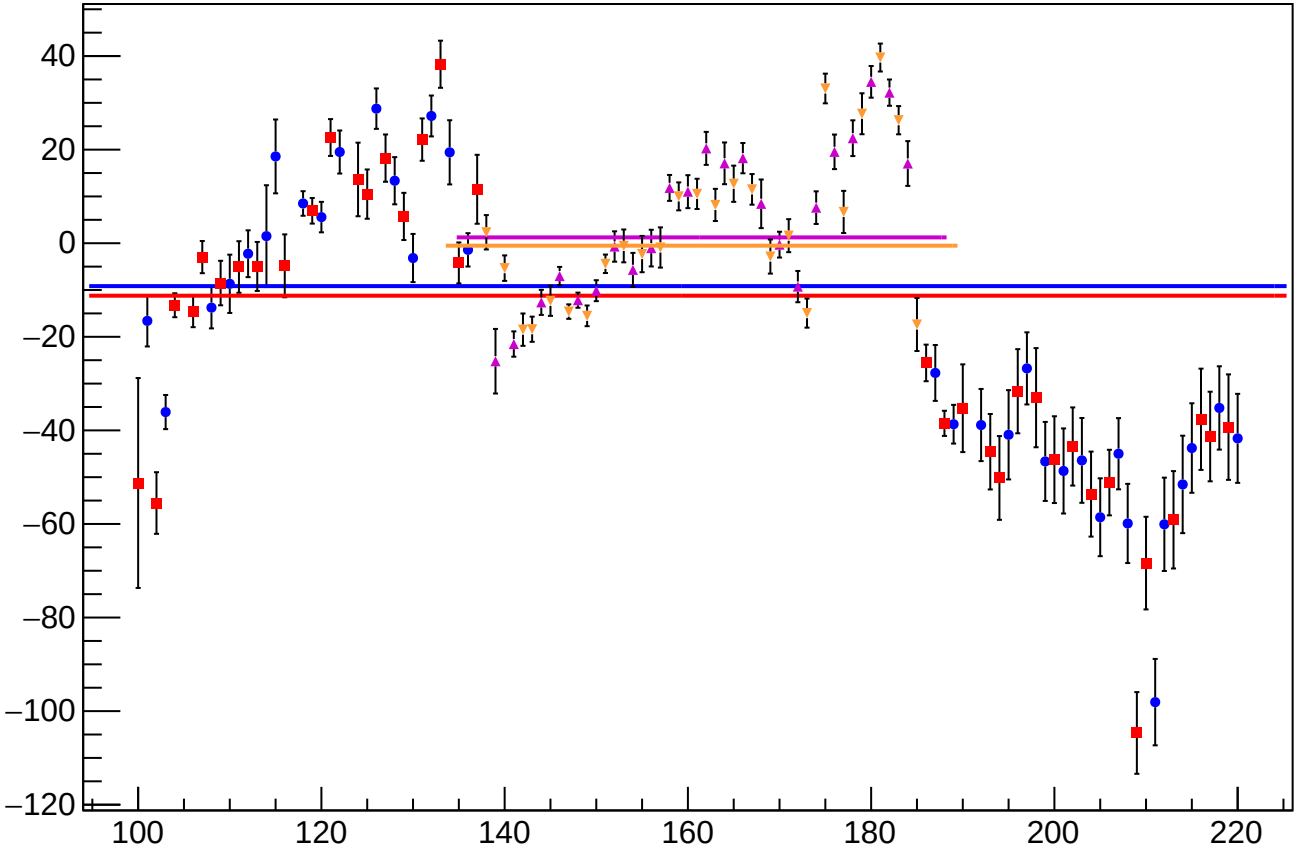
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 187.070+/-0.585 χ^2/NDF: 6388.4/57

All: 187.637+/-0.406 χ^2/NDF: 16038.7/116

- sign 188.163+/-0.564 χ^2/NDF: 9648.4/58

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -9.168+/-0.953 χ^2/NDF: 776.1/32

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -11.216+/-0.858 χ^2/NDF: 856.0/35

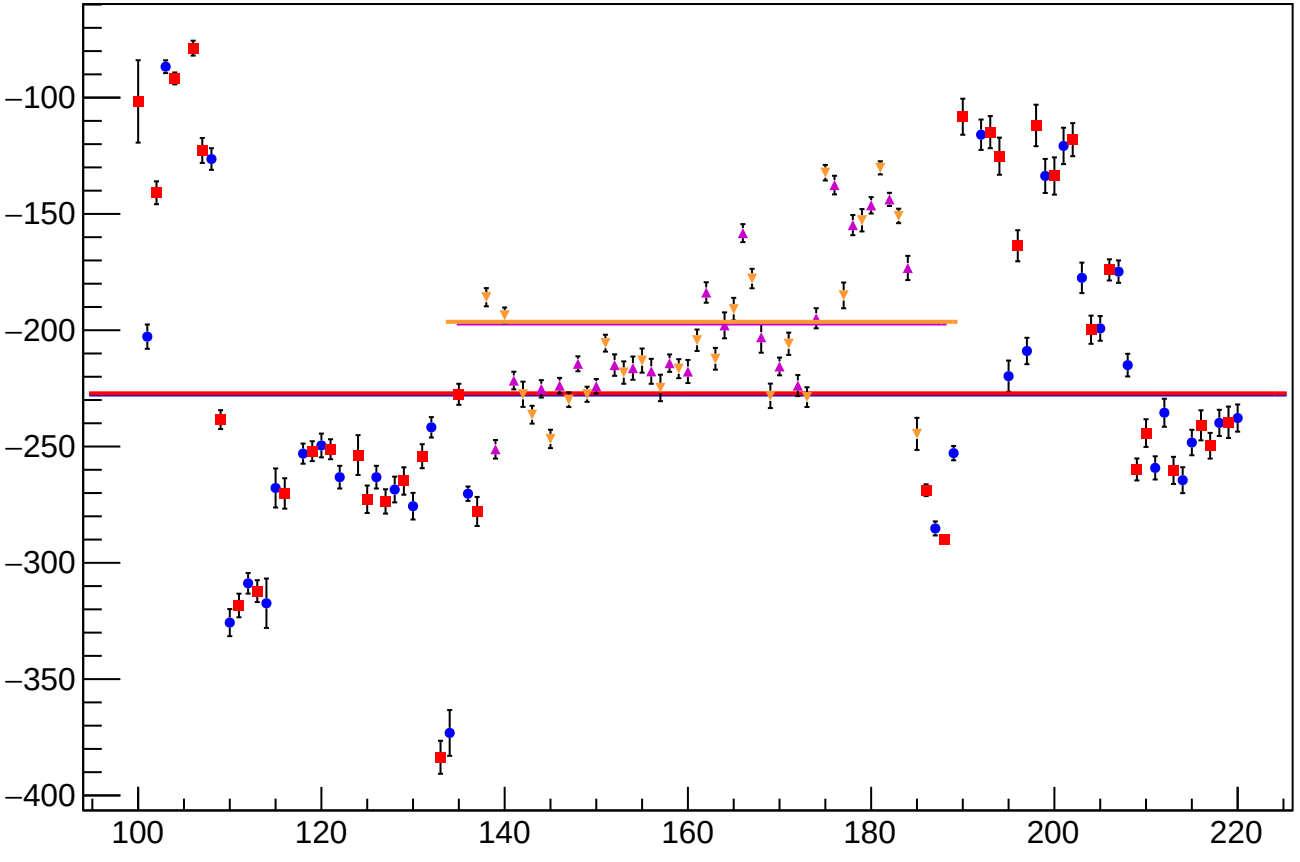
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

+ sign -2.980+/-0.508 χ^2/NDF: 1559.4/57

All: -3.030+/-0.358 χ^2/NDF: 3173.6/116

- sign -3.081+/-0.505 χ^2/NDF: 1614.3/58

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -227.635+/-0.848 χ^2/NDF: 5949.9/32

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

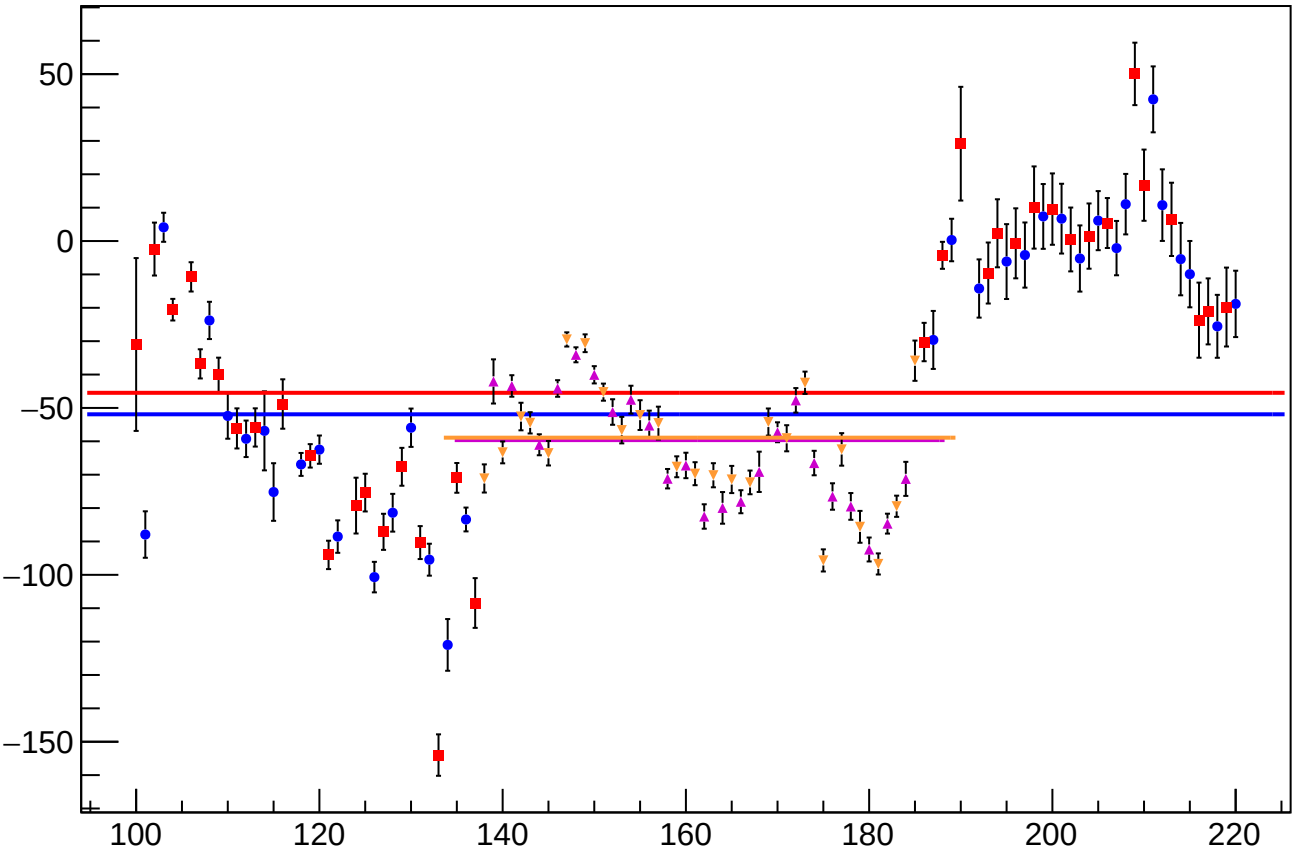
Right Out: -227.129+/-0.746 χ^2/NDF: 10677.0/35

Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

\+ sign -211.397+/-0.588 χ^2/NDF: 8652.9/57

All: -212.689+/-0.404 χ^2/NDF: 21656.9/116

\- sign -213.847+/-0.557 χ^2/NDF: 12994.8/58



Right In: -51.907+/-1.111 χ^2/NDF: 1224.3/32

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -45.469+/-1.028 χ^2/NDF: 1433.8/35

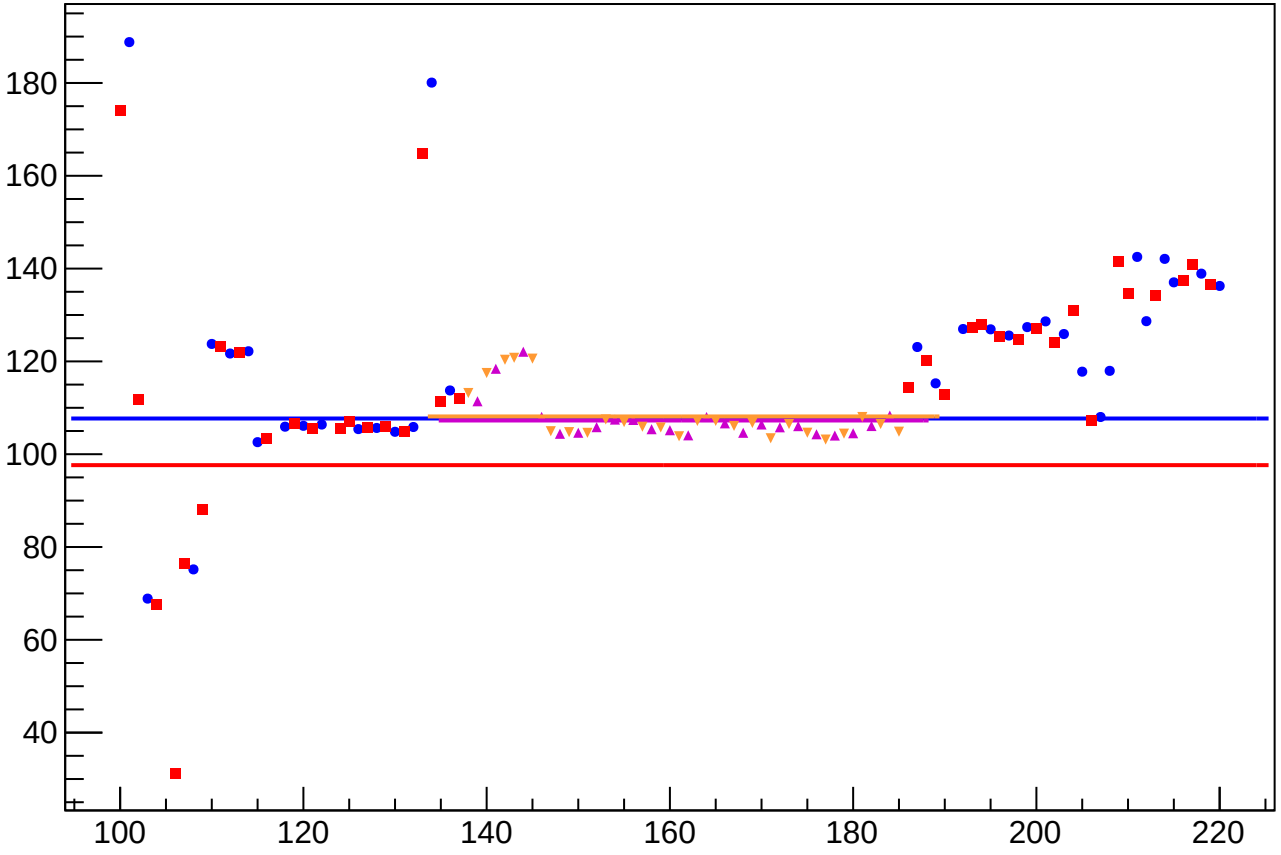
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -56.940+/-0.589 χ^2/NDF: 2035.4/57

All: -55.963+/-0.416 χ^2/NDF: 4199.4/116

- sign -54.986+/-0.589 χ^2/NDF: 2158.5/58

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 107.693+/-0.053 χ^2/NDF: 294392.6/32

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

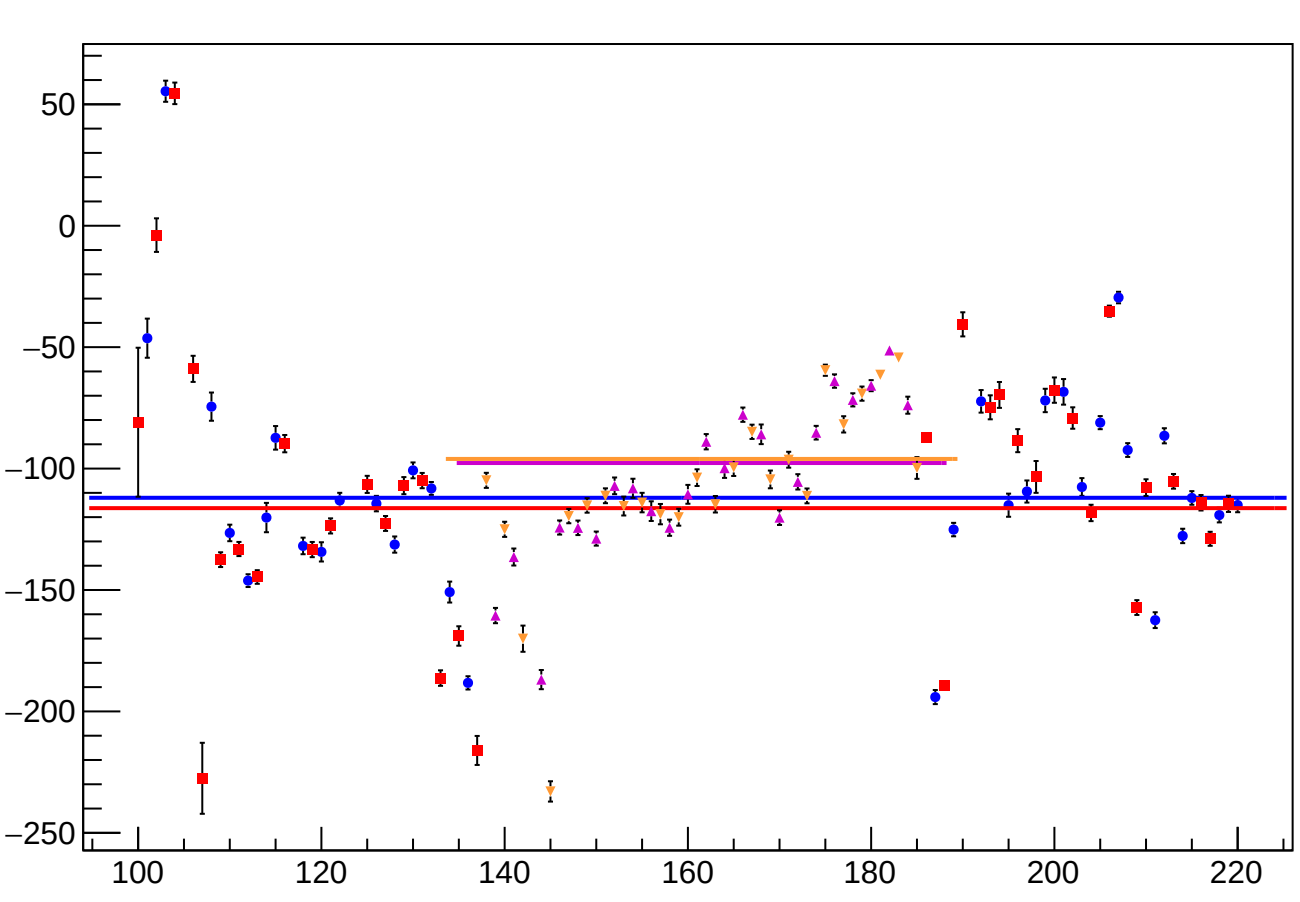
Right Out: 97.642+/-0.050 χ^2/NDF: 421403.7/35

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 108.016+/-0.028 χ^2/NDF: 320863.1/57

All: 106.158+/-0.019 χ^2/NDF: 794121.4/116

- sign 104.343+/-0.027 χ^2/NDF: 464374.7/58



Right In: -112.027+/-0.587 χ^2/NDF: 5538.5/32

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

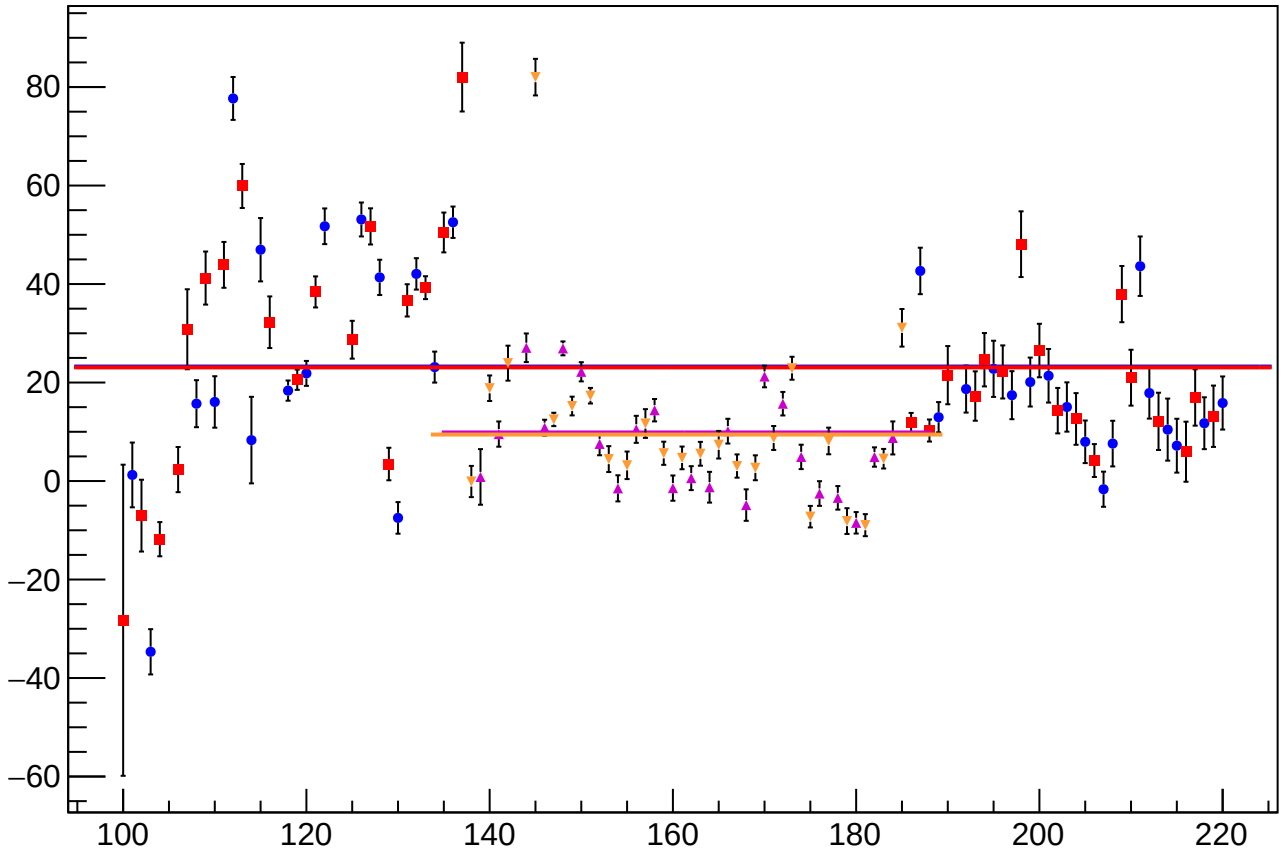
Right Out: -116.291+/-0.558 χ^2/NDF: 7536.1/34

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

+ sign -104.653+/-0.431 χ^2/NDF: 8651.9/56

All: -106.496+/-0.301 χ^2/NDF: 19344.5/114

- sign -108.247+/-0.420 χ^2/NDF: 10657.0/57



Right In: 23.244+/-0.703 χ^2/NDF: 865.0/32

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

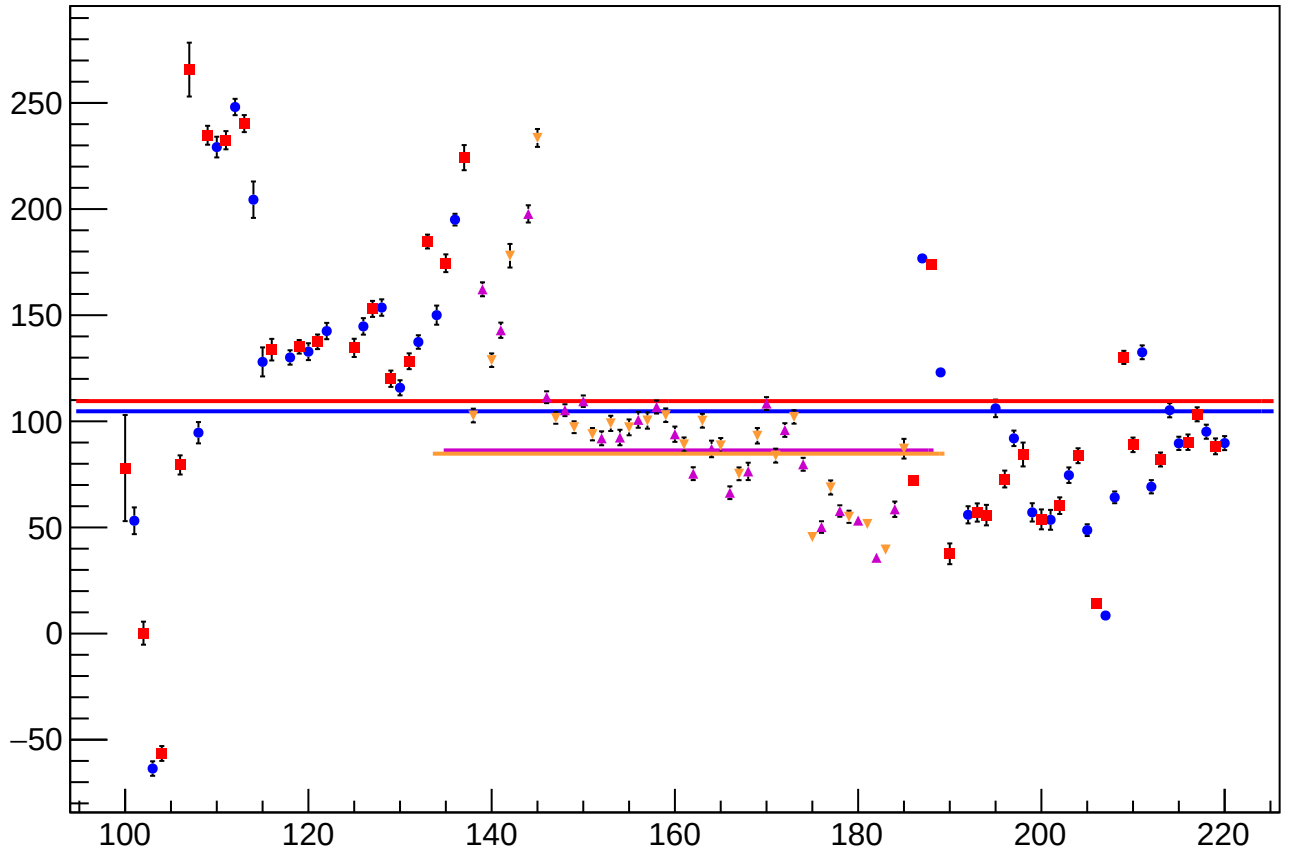
Right Out: 23.075+/-0.667 χ^2/NDF: 691.7/34

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

\+ sign 13.800+/-0.395 χ^2/NDF: 1864.9/56

All: 14.127+/-0.279 χ^2/NDF: 3299.2/114

\- sign 14.450+/-0.393 χ^2/NDF: 1432.9/57



Right In: 104.732+/-0.603 χ^2/NDF: 10574.2/32

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

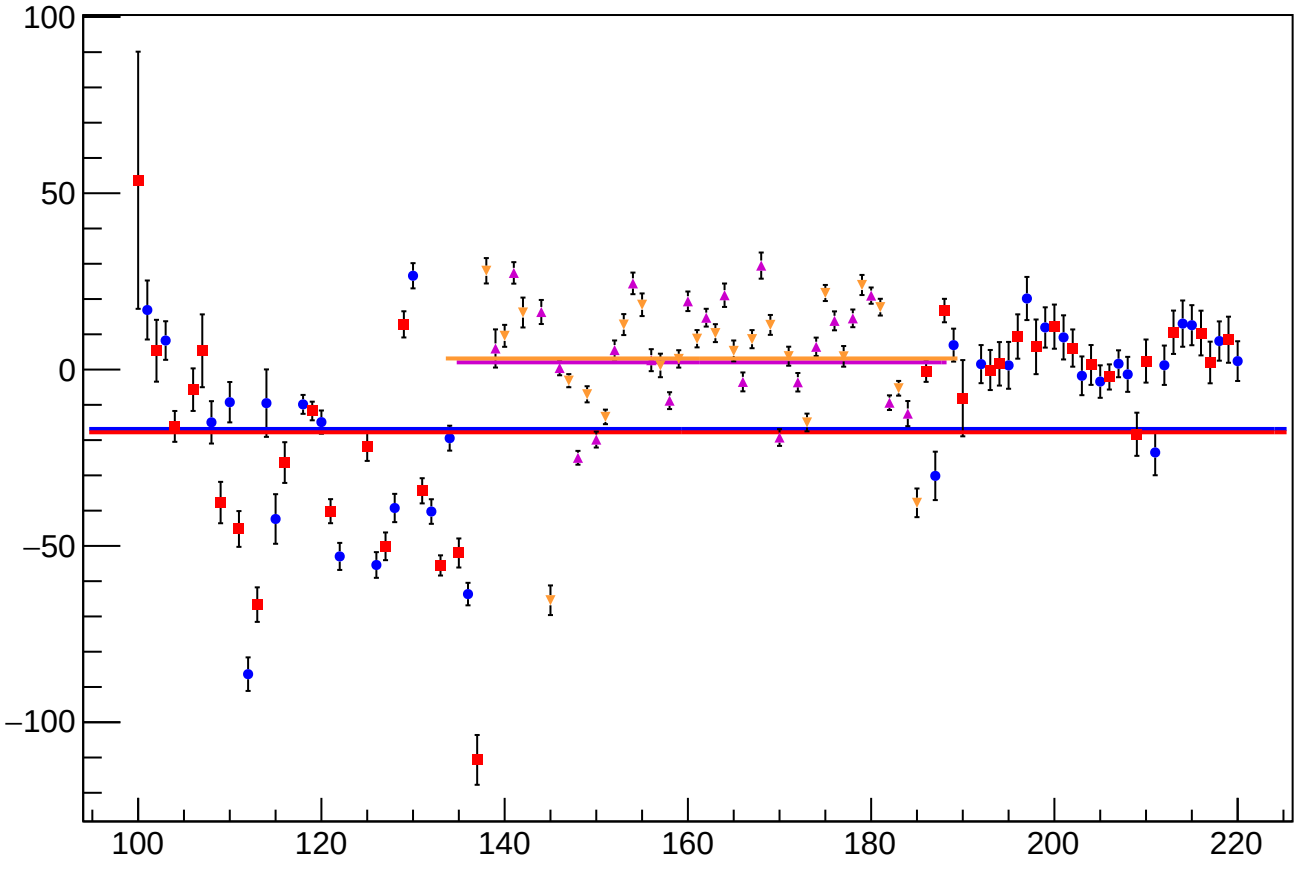
Right Out: 109.523+/-0.549 χ^2/NDF: 13326.3/34

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 95.174+/-0.435 χ^2/NDF: 14210.2/56

All: 97.461+/-0.300 χ^2/NDF: 31511.7/114

\- sign 99.534+/-0.414 χ^2/NDF: 17248.9/57



Right In: -16.839+/-0.809 χ^2/NDF: 1182.0/32

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

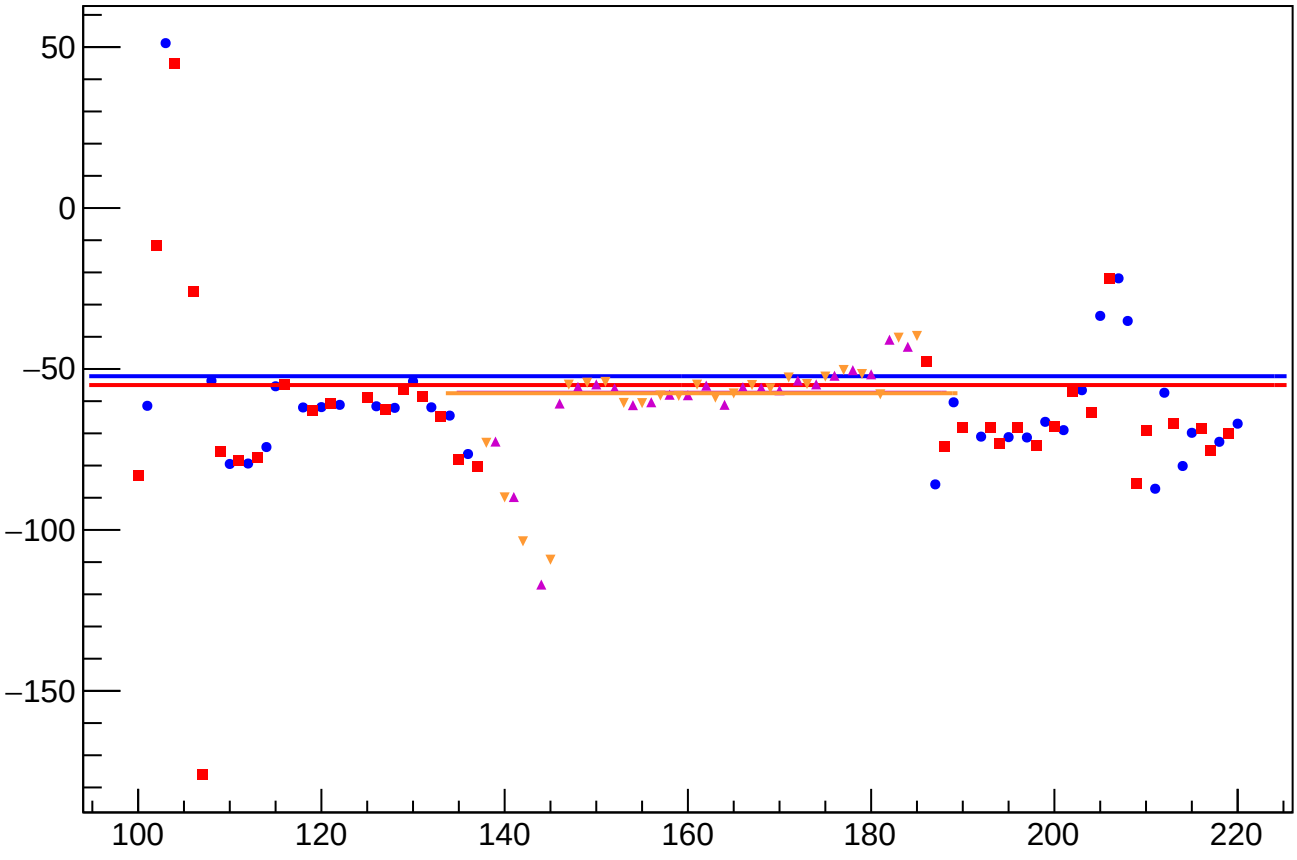
Right Out: -17.782+/-0.794 χ^2/NDF: 1128.5/34

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

+ sign -3.068+/-0.451 χ^2/NDF: 2416.4/56

All: -3.730+/-0.320 χ^2/NDF: 4821.1/114

- sign -4.396+/-0.453 χ^2/NDF: 2400.4/57



Right In: -52.245+/-0.039 χ^2/NDF: 735408.8/32

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

Right Out: -54.993+/-0.040 χ^2/NDF: 643350.9/34

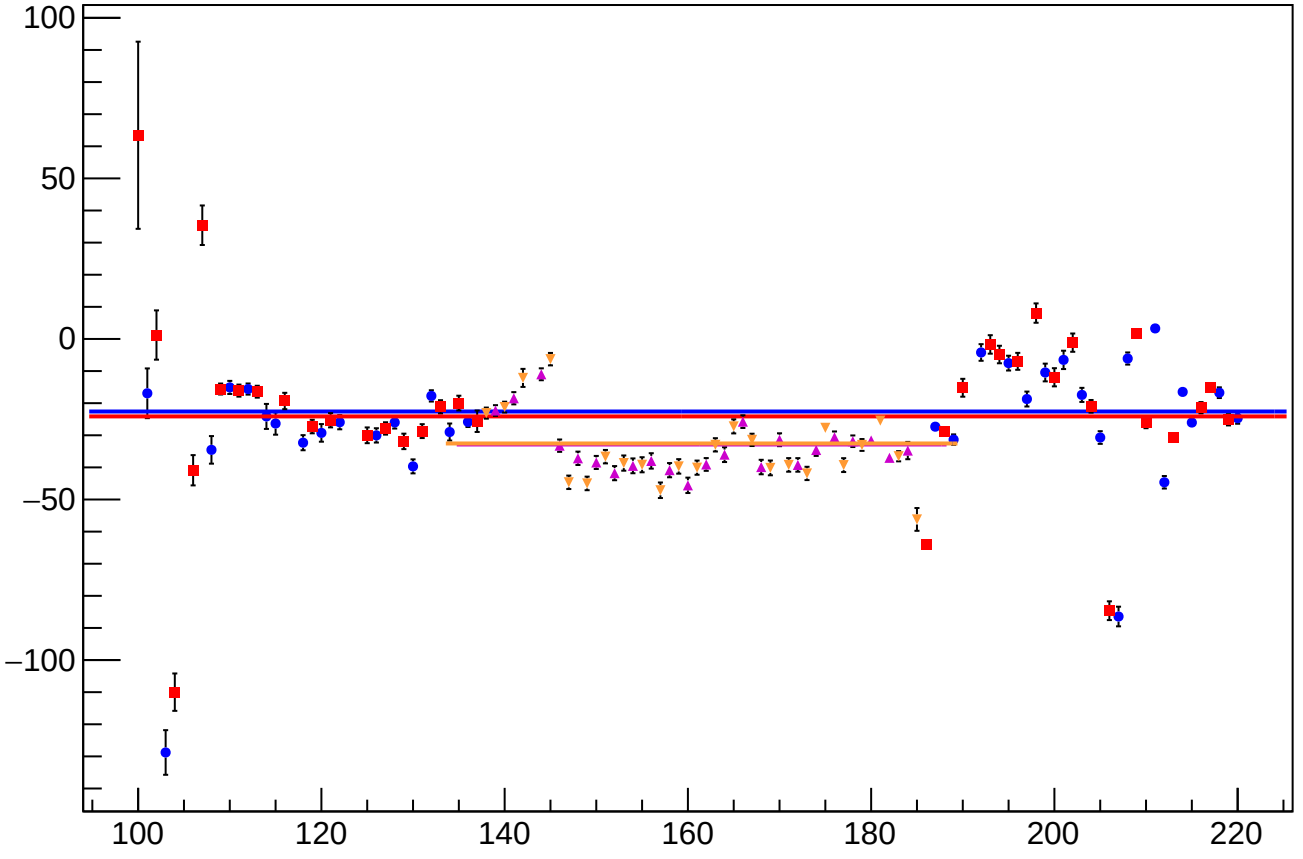
Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

\+ sign -56.028+/-0.021 χ^2/NDF: 1015408.3/56

All: -56.368+/-0.015 χ^2/NDF: 1889020.8/114

\- sign -56.709+/-0.021 χ^2/NDF: 873085.1/57

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: -22.593+/-0.361 χ^2/NDF: 1556.8/32

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

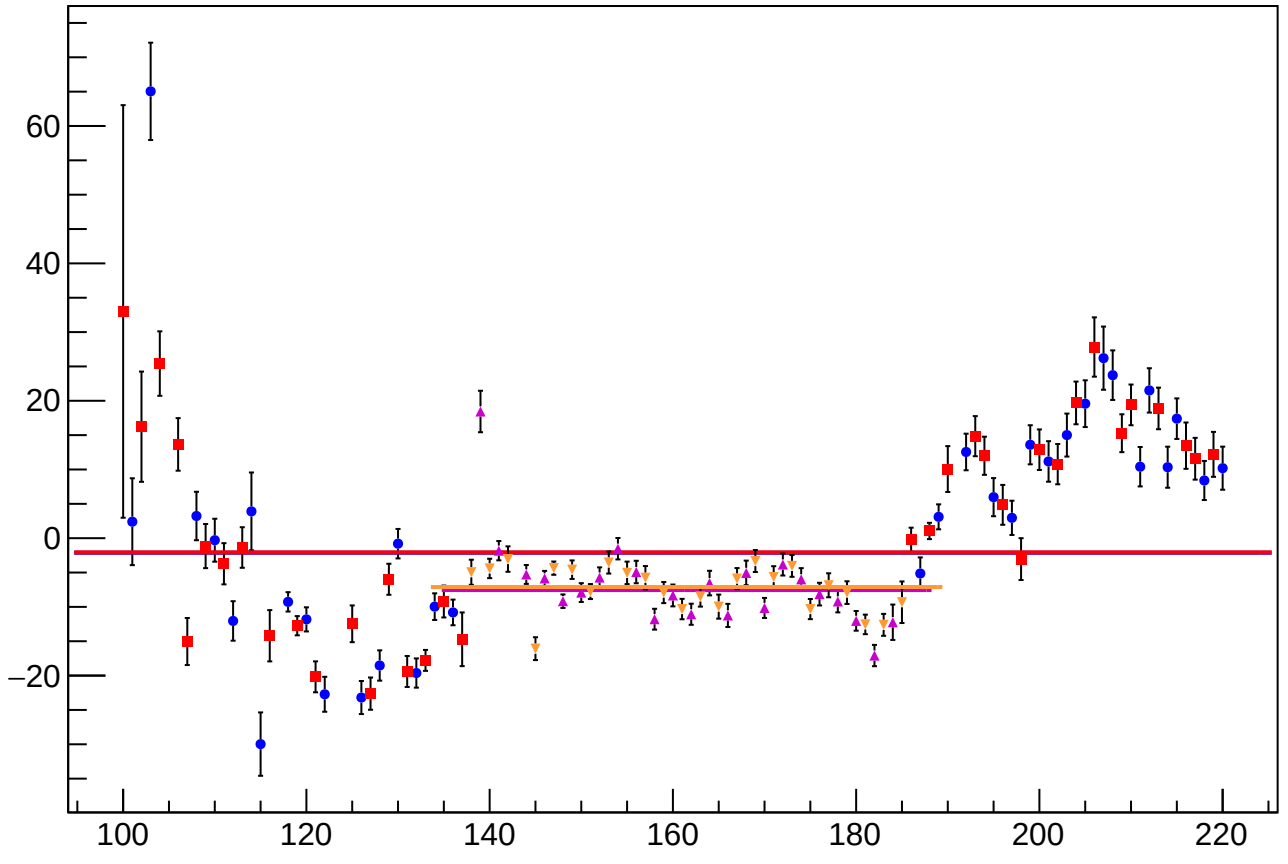
Right Out: -24.122+/-0.345 χ^2/NDF: 2422.2/34

Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

\+ sign -26.976+/-0.270 χ^2/NDF: 2496.1/56

All: -27.363+/-0.189 χ^2/NDF: 5560.7/114

\- sign -27.735+/-0.264 χ^2/NDF: 3060.6/57



Right In: -2.118+/-0.451 χ^2/NDF: 928.9/32

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

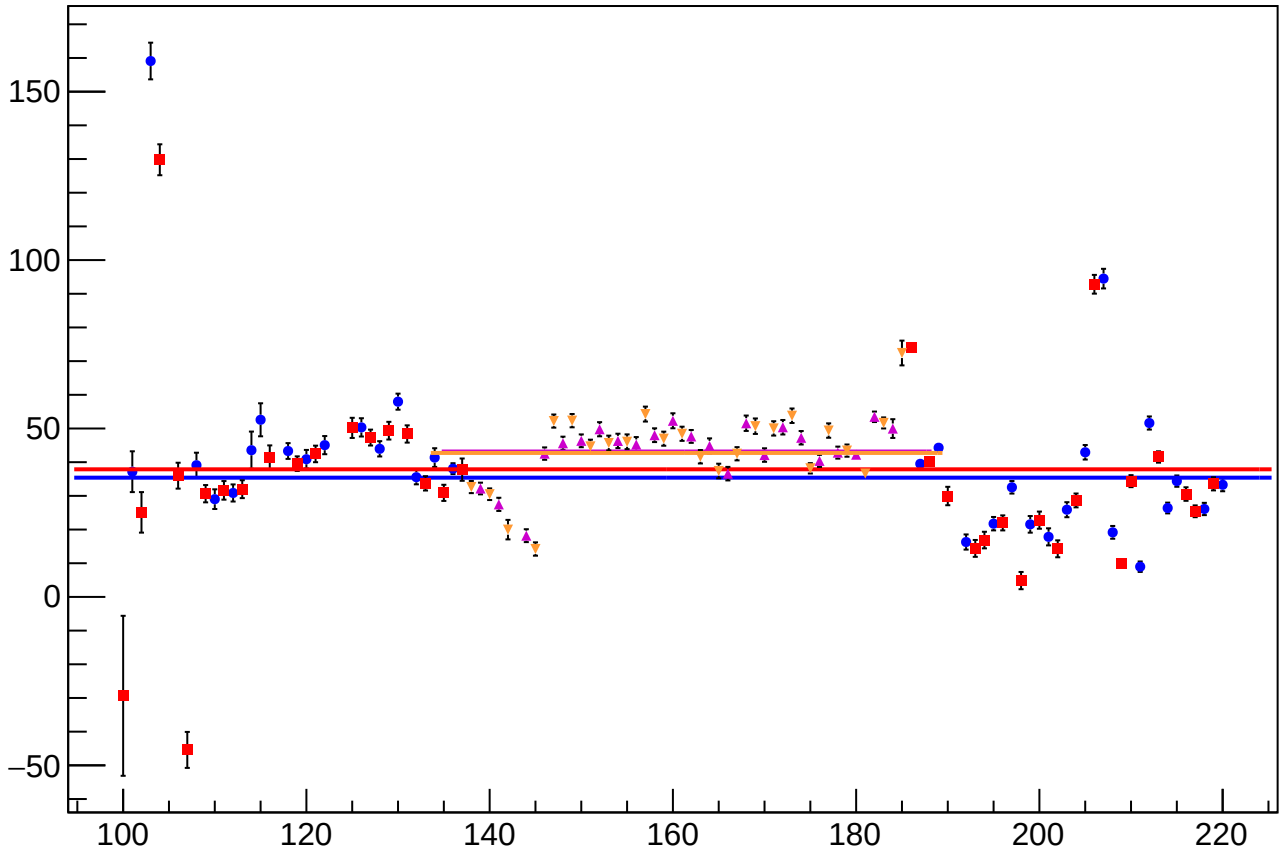
Right Out: -2.062+/-0.432 χ^2/NDF: 914.8/34

Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -5.514+/-0.255 χ^2/NDF: 1121.7/56

All: -5.579+/-0.180 χ^2/NDF: 2341.5/114

- sign -5.645+/-0.255 χ^2/NDF: 1219.6/57



Right In: 35.404+/-0.370 χ^2/NDF: 1899.4/32

Left Out: 42.745+/-0.403 χ^2/NDF:631.5/23

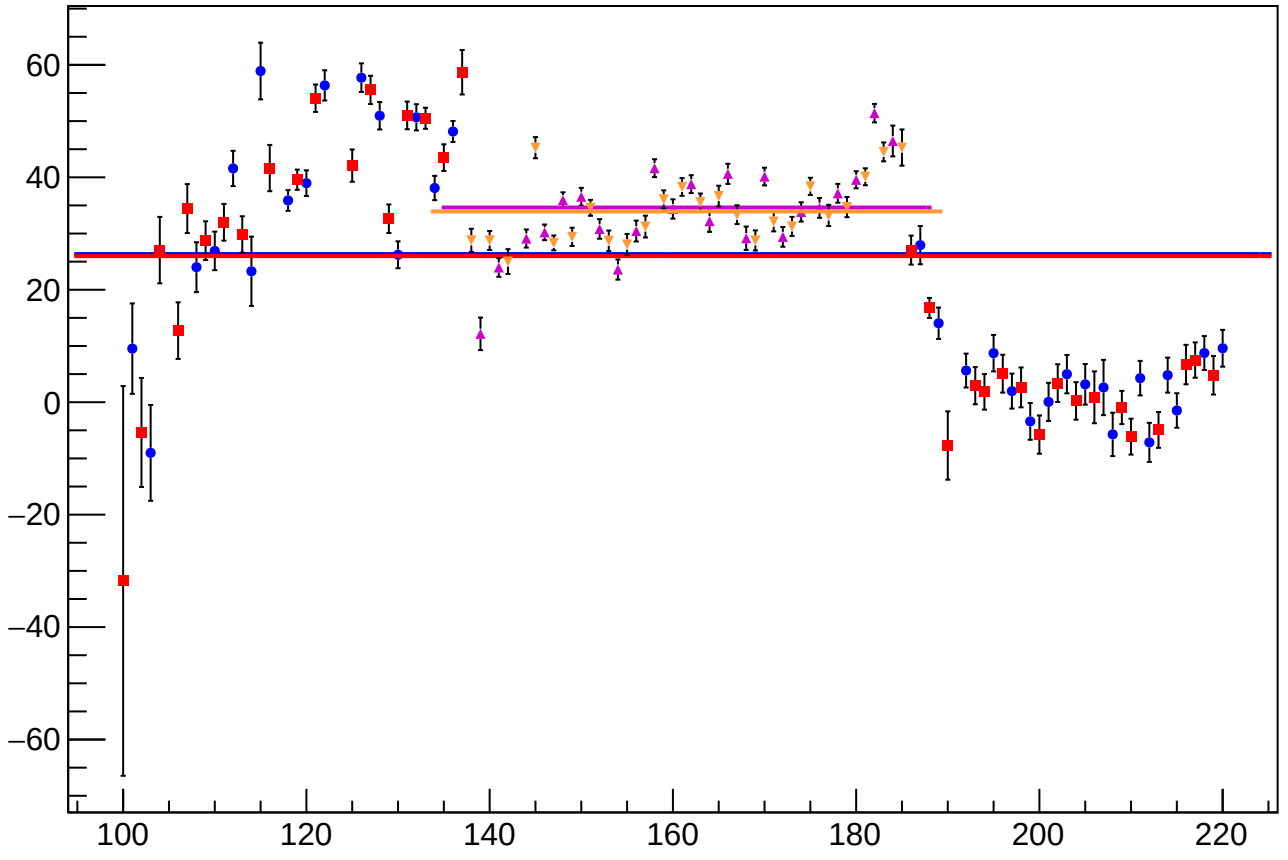
Right Out: 37.885+/-0.343 χ^2/NDF: 3149.7/34

Left In: 43.169+/-0.407 χ^2/NDF:413.0/22

\+ sign 38.758+/-0.273 χ^2/NDF: 2710.8/56

All: 39.443+/-0.189 χ^2/NDF: 6384.3/114

\- sign 40.077+/-0.262 χ^2/NDF: 3661.3/57



Right In: 26.342+/-0.519 χ^2/NDF: 1605.4/32

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

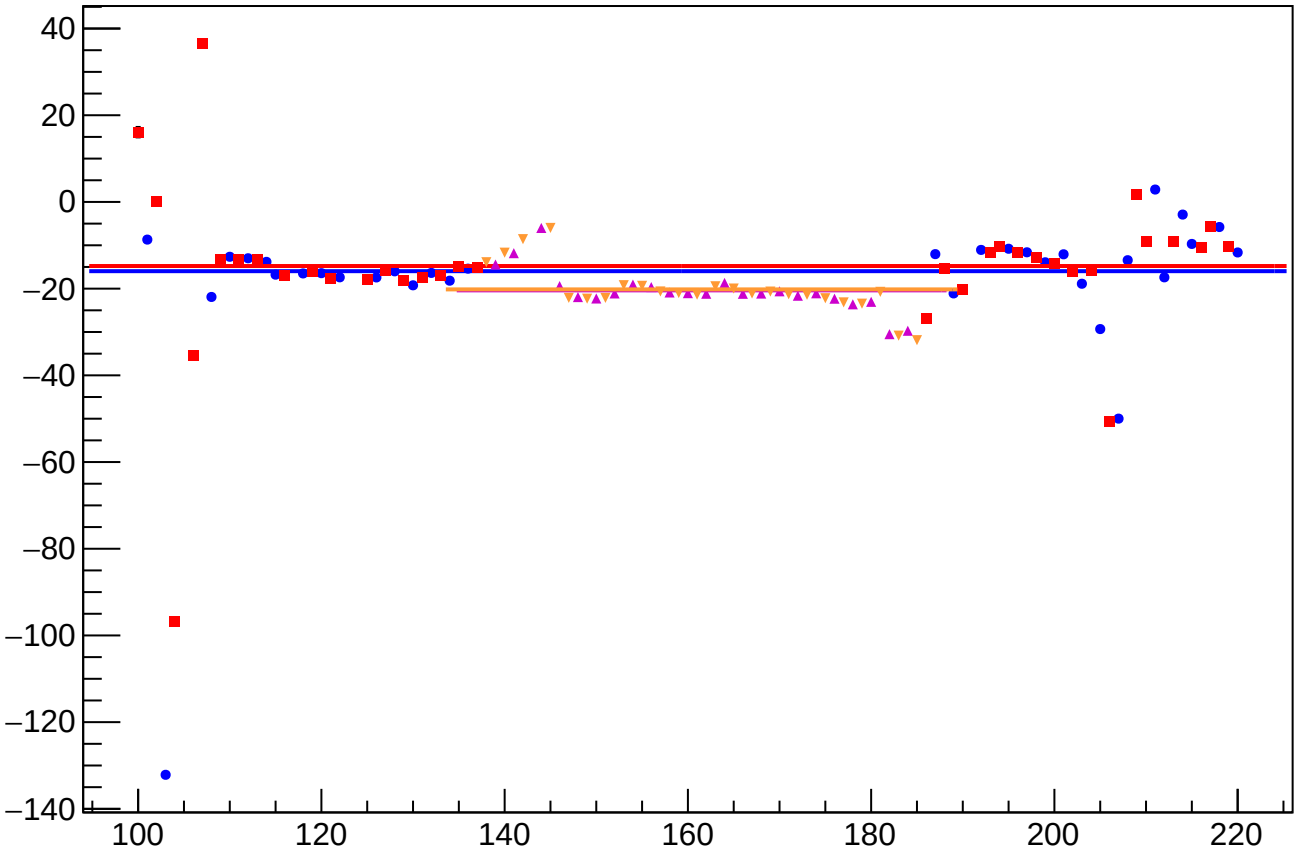
Right Out: 25.978+/-0.512 χ^2/NDF: 1658.3/34

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

+ sign 31.550+/-0.291 χ^2/NDF: 1968.8/56

All: 31.676+/-0.206 χ^2/NDF: 4195.6/114

- sign 31.804+/-0.292 χ^2/NDF: 2226.5/57



Right In: -15.970+/-0.025 χ^2/NDF: 336349.9/32

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -14.783+/-0.025 χ^2/NDF: 279239.2/34

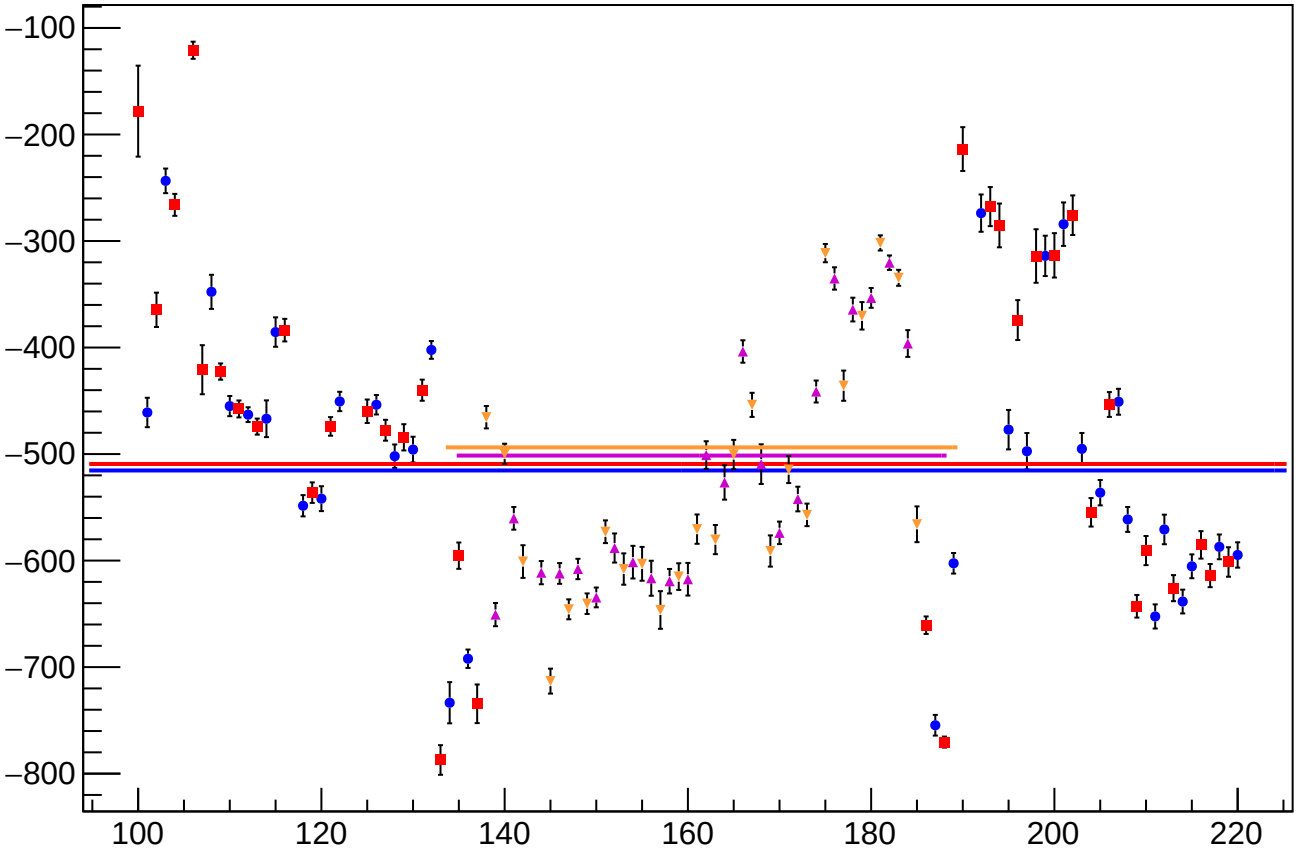
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.001+/-0.013 χ^2/NDF: 456123.5/56

All: -18.906+/-0.009 χ^2/NDF: 852324.6/114

- sign -18.812+/-0.013 χ^2/NDF: 396101.4/57

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -515.402+/-2.002 χ^2/NDF: 3325.8/32

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

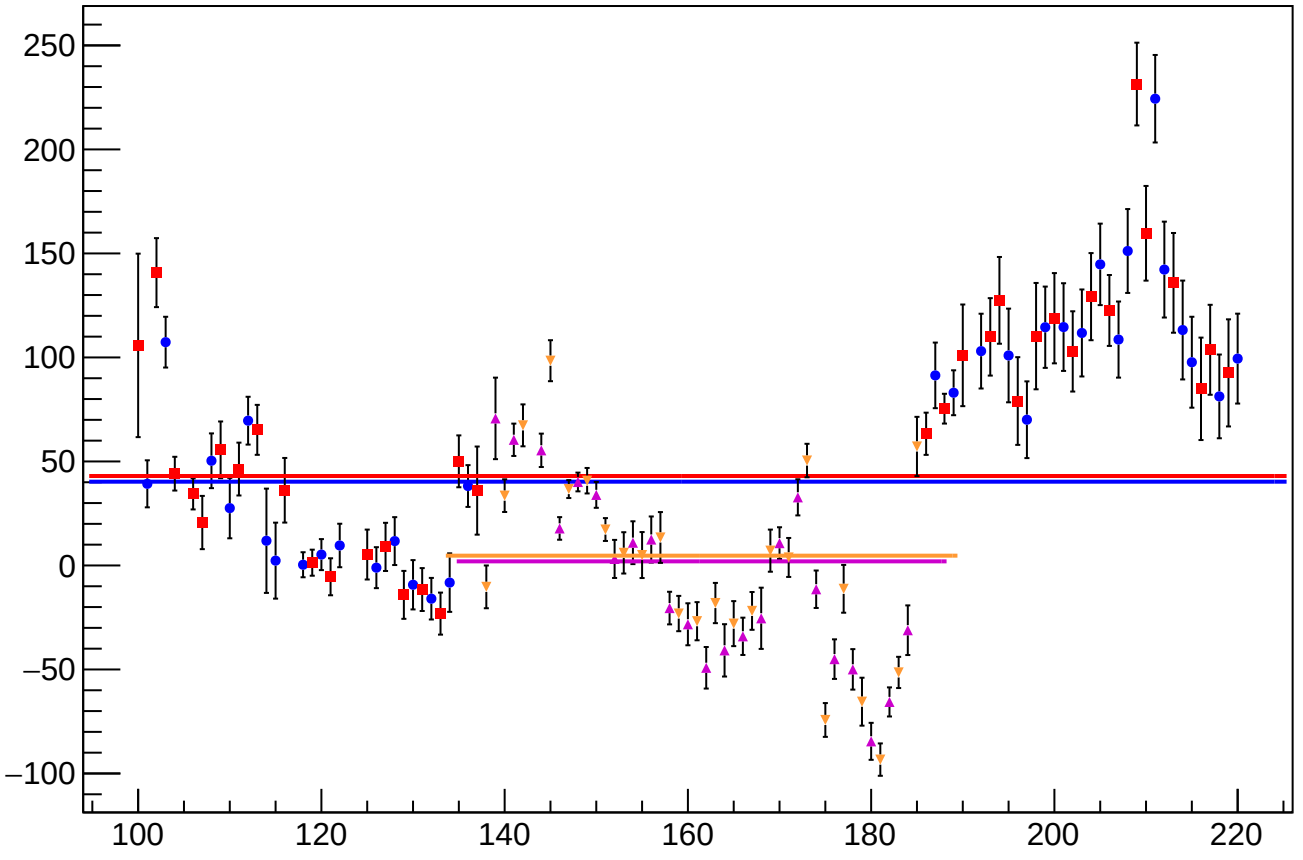
Right Out: -509.307+/-1.863 χ^2/NDF: 8330.4/34

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

+ sign -506.033+/-1.509 χ^2/NDF: 6526.4/56

All: -506.117+/-1.045 χ^2/NDF: 17553.2/114

- sign -506.194+/-1.449 χ^2/NDF: 11026.8/57



Right In: 40.270+/-2.292 χ^2/NDF: 486.9/32

Left Out: 4.709+/-1.696 χ^2/NDF:680.3/23

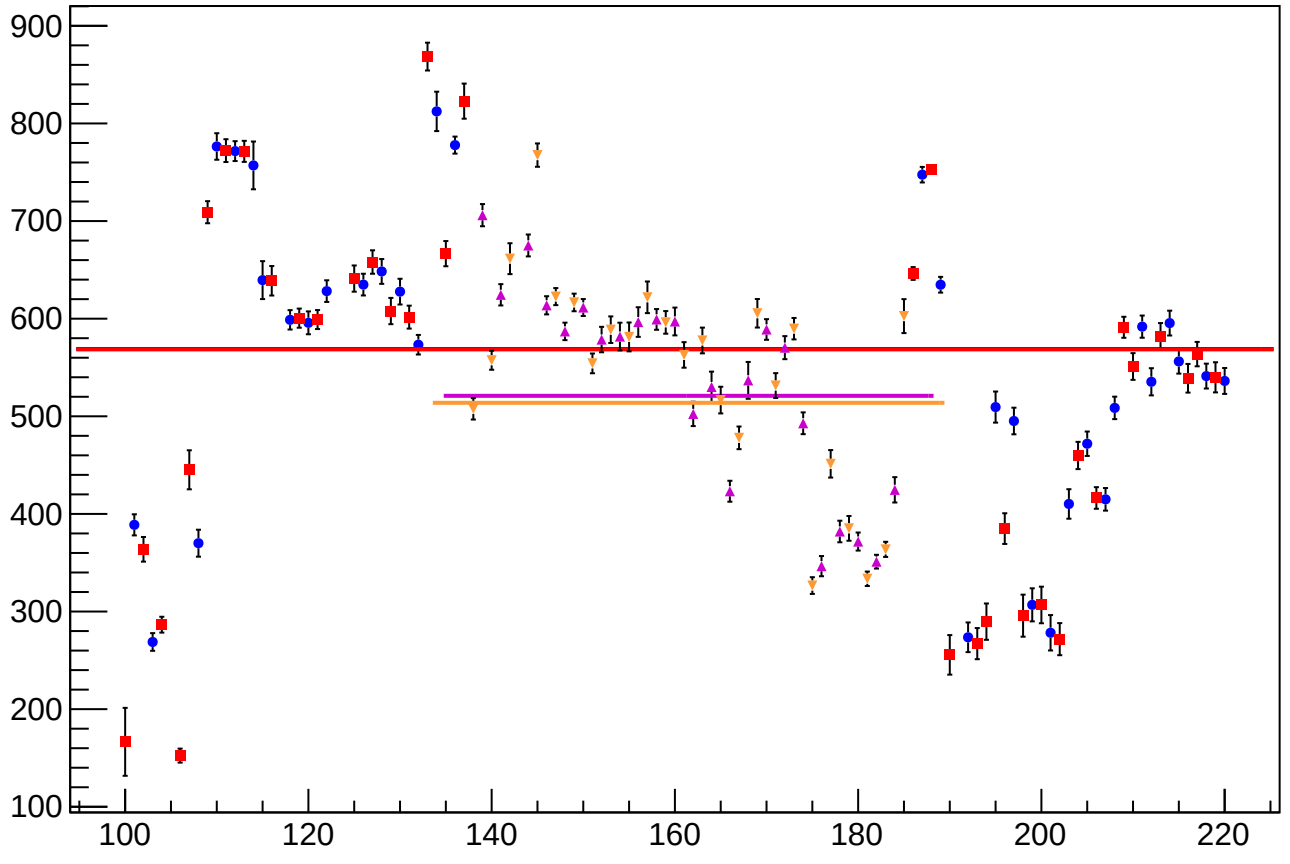
Right Out: 43.001+/-2.152 χ^2/NDF: 509.5/34

Left In: 1.970+/-1.722 χ^2/NDF:560.8/22

+ sign 17.288+/-1.363 χ^2/NDF: 1322.8/56

All: 17.641+/-0.957 χ^2/NDF: 2614.9/114

- sign 17.984+/-1.345 χ^2/NDF: 1292.0/57



Right In: 568.961+/-2.081 χ^2/NDF: 5027.3/32

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

Right Out: 568.544+/-1.876 χ^2/NDF: 10681.7/34

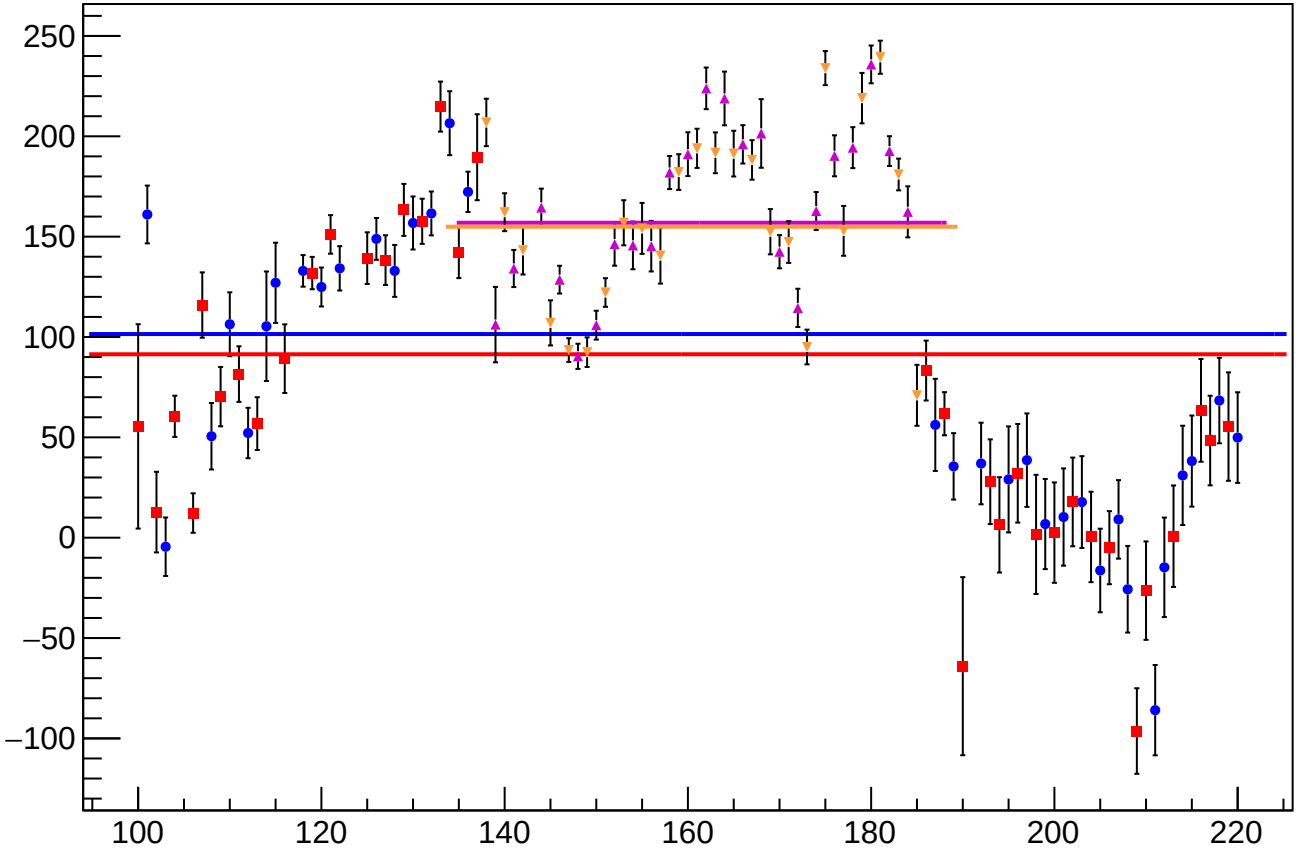
Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 543.869+/-1.536 χ^2/NDF: 8082.2/56

All: 546.785+/-1.054 χ^2/NDF: 21472.4/114

- sign 549.381+/-1.449 χ^2/NDF: 13383.4/57

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 101.470+/-2.667 χ^2/NDF: 588.3/32

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

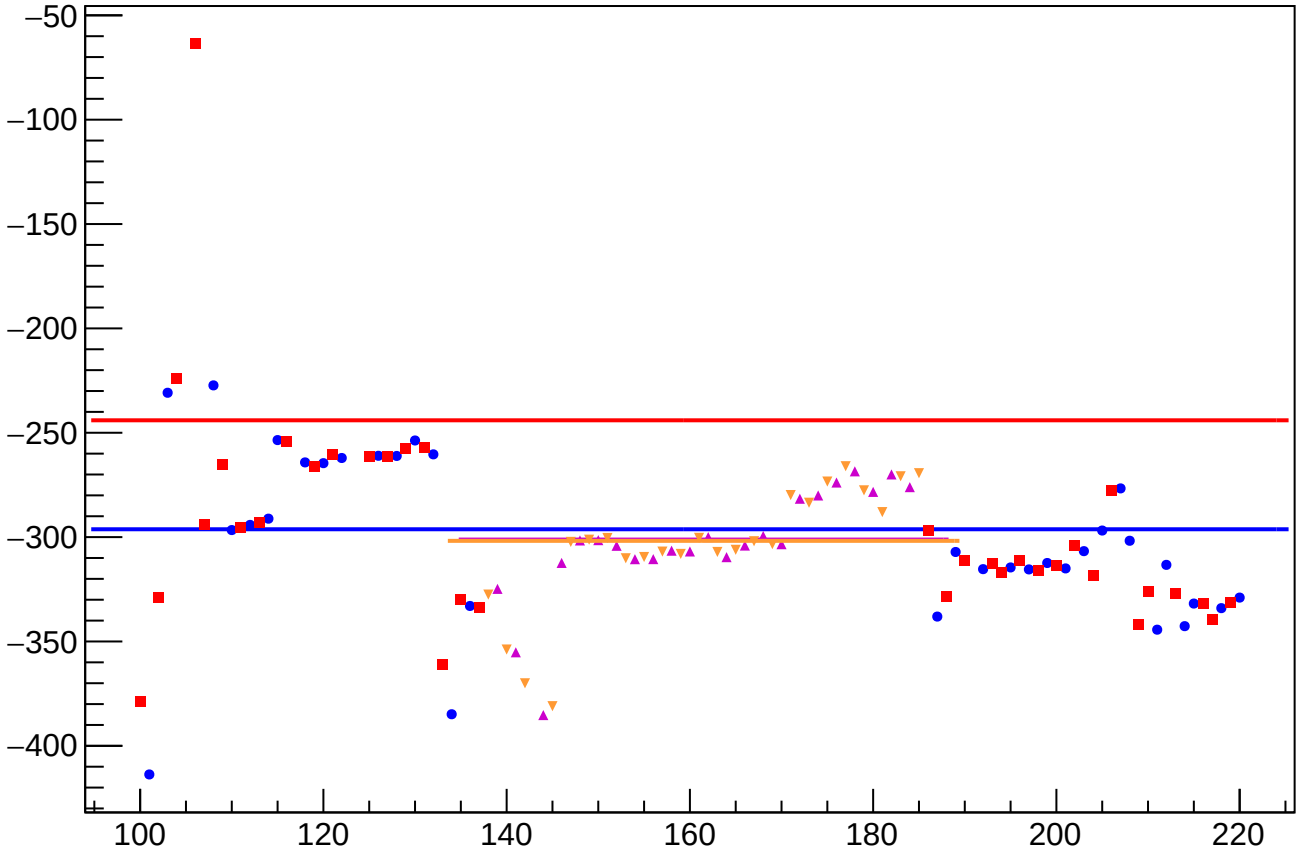
Right Out: 91.396+/-2.562 χ^2/NDF: 639.1/34

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 136.276+/-1.576 χ^2/NDF: 1459.0/56

All: 134.405+/-1.109 χ^2/NDF: 2955.1/114

- sign 132.565+/-1.562 χ^2/NDF: 1493.3/57



Right In: -296.238+/-0.136 χ^2/NDF: 120014.2/32

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -244.032+/-0.121 χ^2/NDF: 715929.5/34

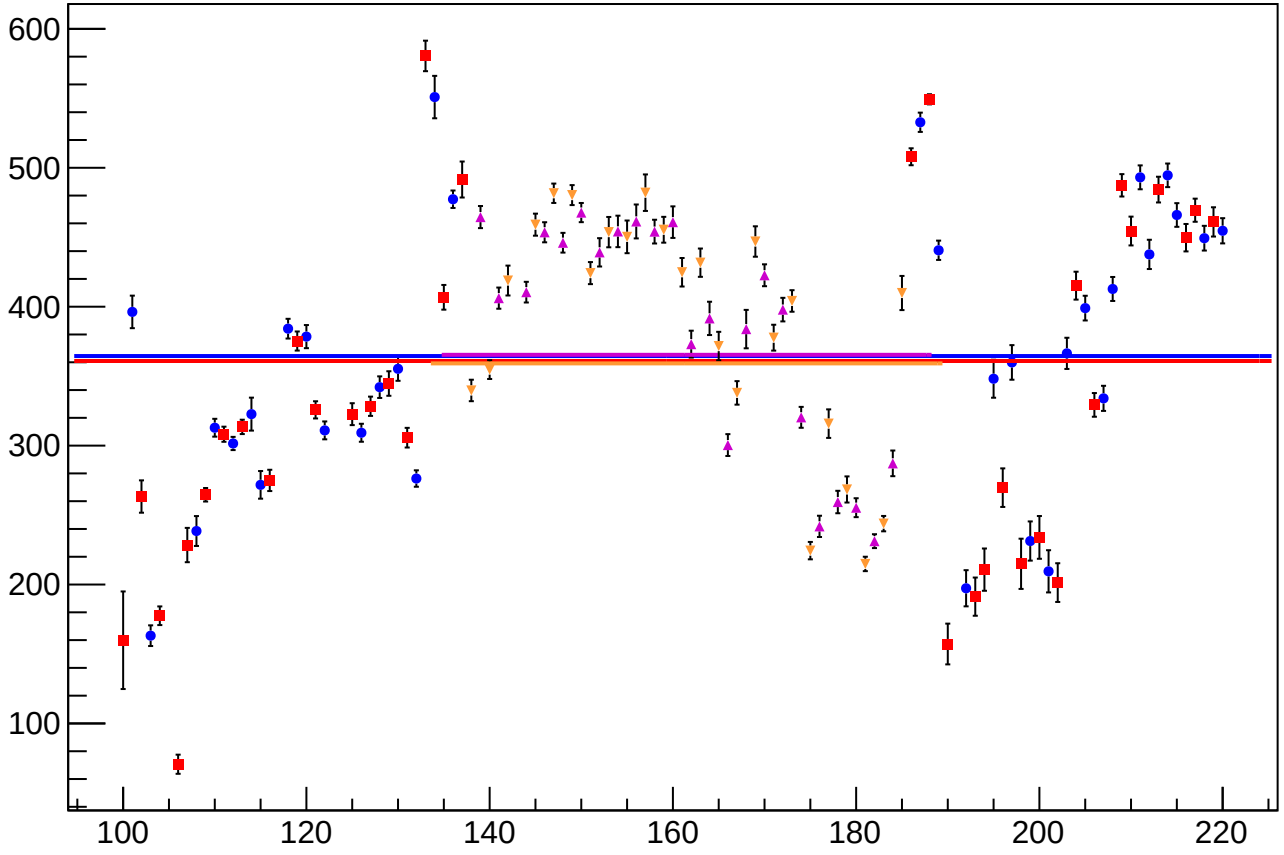
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -300.079+/-0.076 χ^2/NDF: 207881.8/56

All: -290.004+/-0.052 χ^2/NDF: 1176835.6/11

- sign -280.801+/-0.072 χ^2/NDF: 934926.9/57

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 364.482+/-1.444 χ^2/NDF: 4033.7/32

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

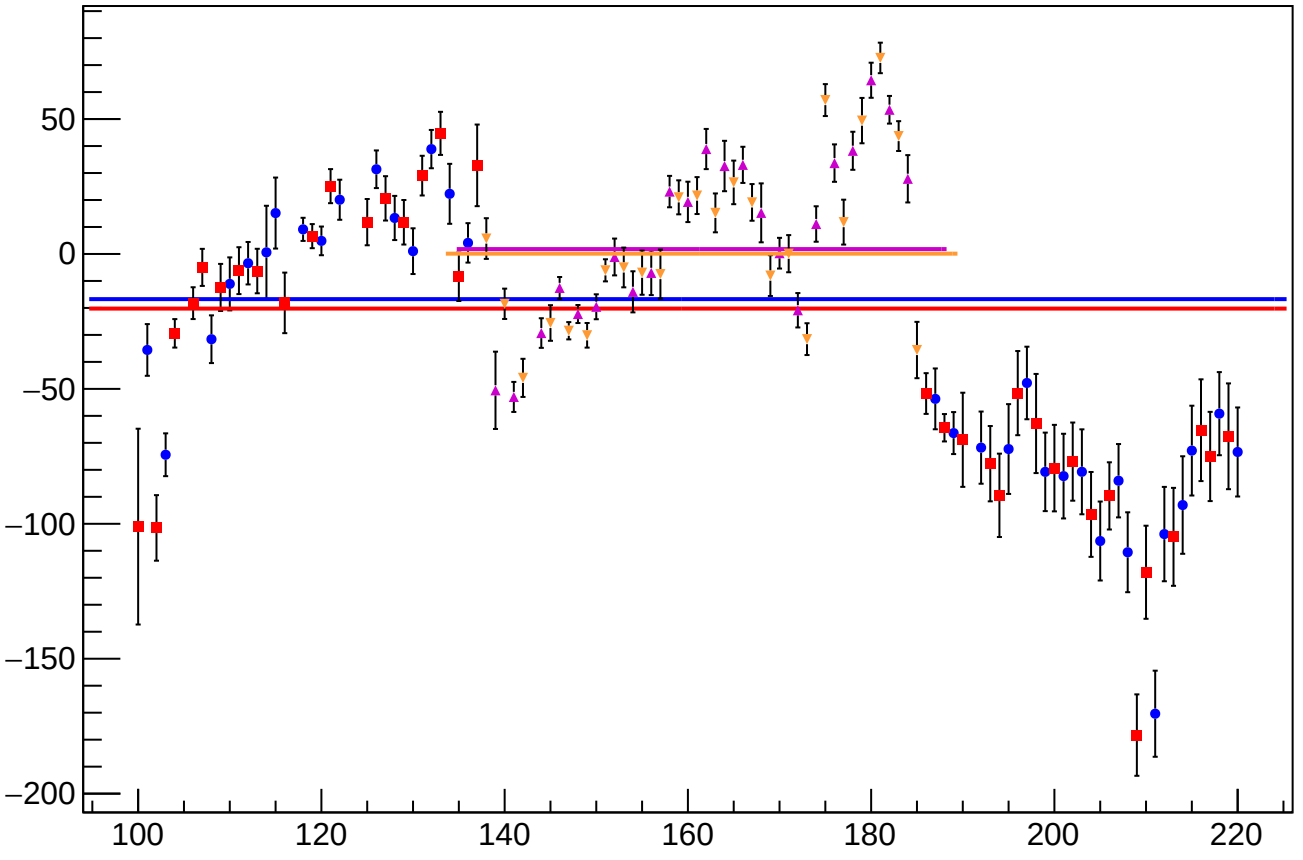
Right Out: 360.919+/-1.336 χ^2/NDF: 8995.3/34

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 362.235+/-1.095 χ^2/NDF: 7227.3/56

All: 362.439+/-0.758 χ^2/NDF: 18966.4/114

- sign 362.626+/-1.049 χ^2/NDF: 11739.0/57



Right In: -16.738+/-1.649 χ^2/NDF: 701.1/32

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

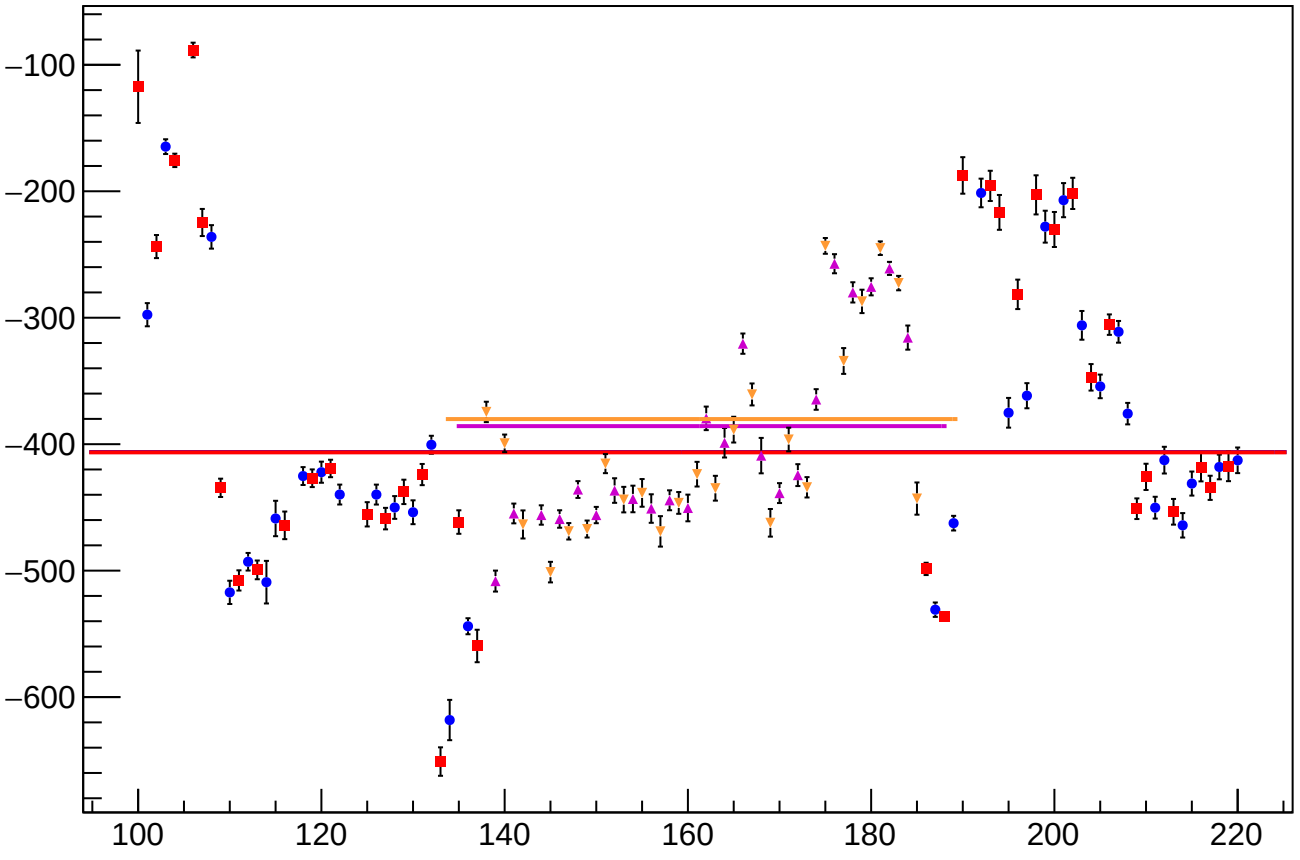
Right Out: -20.243+/-1.531 χ^2/NDF: 747.6/34

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

\+ sign -6.015+/-0.995 χ^2/NDF: 1405.4/56

All: -6.595+/-0.697 χ^2/NDF: 2853.9/114

\- sign -7.154+/-0.976 χ^2/NDF: 1447.8/57



Right In: -406.204+/-1.506 χ^2/NDF: 4940.8/32

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

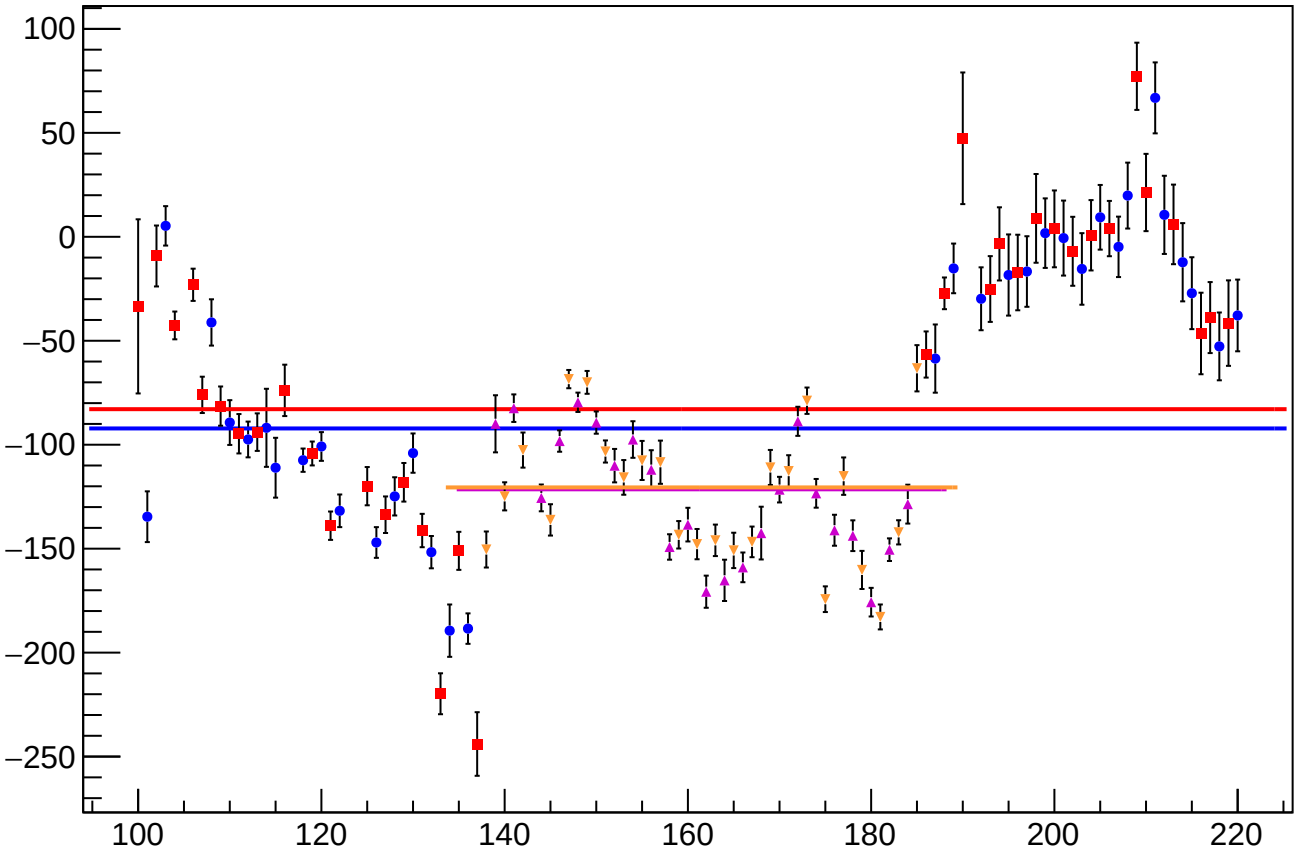
Right Out: -406.453+/-1.350 χ^2/NDF: 10725.7/34

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -394.515+/-1.118 χ^2/NDF: 7693.7/56

All: -396.523+/-0.766 χ^2/NDF: 20879.4/114

- sign -398.300+/-1.052 χ^2/NDF: 13179.6/57



Right In: -92.178+/-1.920 χ^2/NDF: 1003.3/32

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

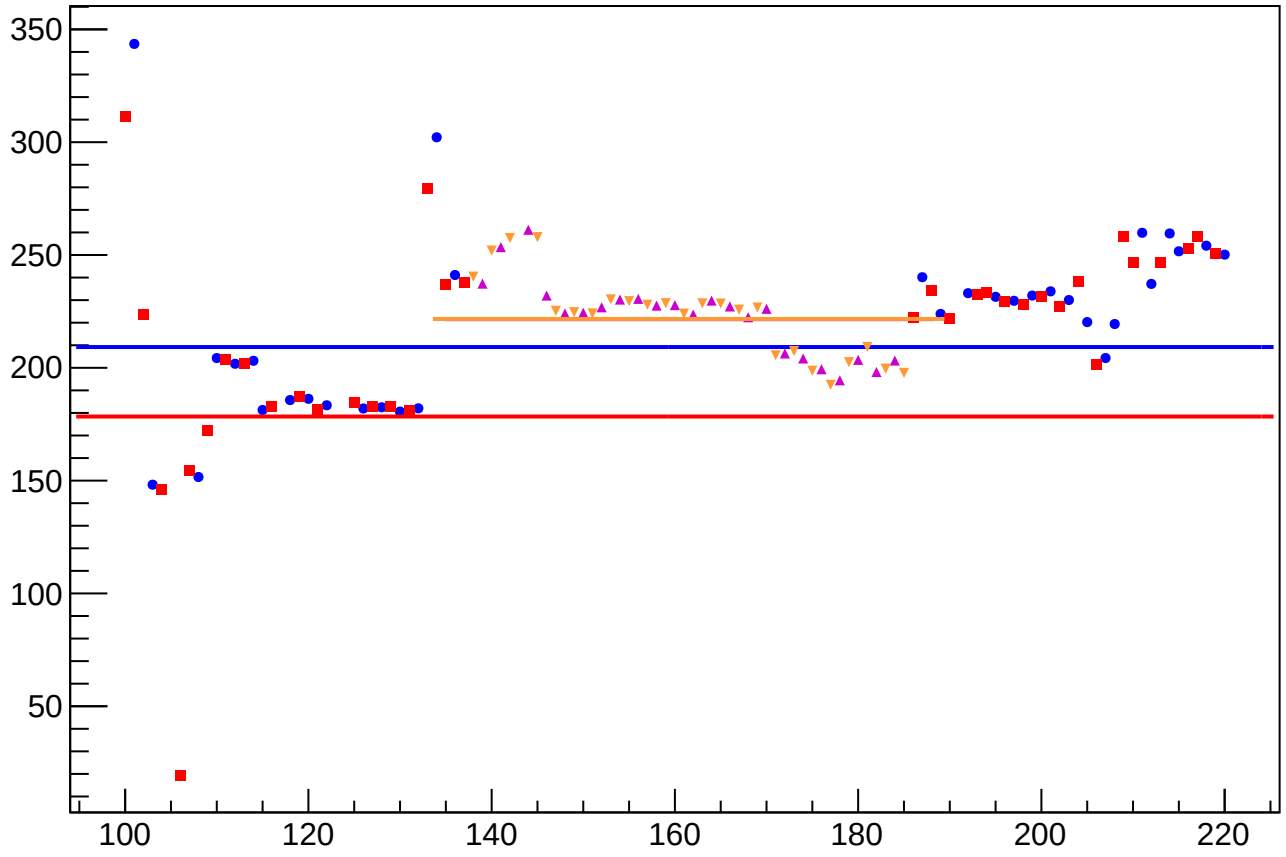
Right Out: -82.907+/-1.822 χ^2/NDF: 1101.1/34

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

\+ sign -110.373+/-1.150 χ^2/NDF: 1754.8/56

All: -108.419+/-0.807 χ^2/NDF: 3568.2/114

\- sign -106.515+/-1.135 χ^2/NDF: 1807.7/57



Right In: 209.211+/-0.098 χ^2/NDF: 216097.5/32

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

Right Out: 178.408+/-0.089 χ^2/NDF: 689156.5/34

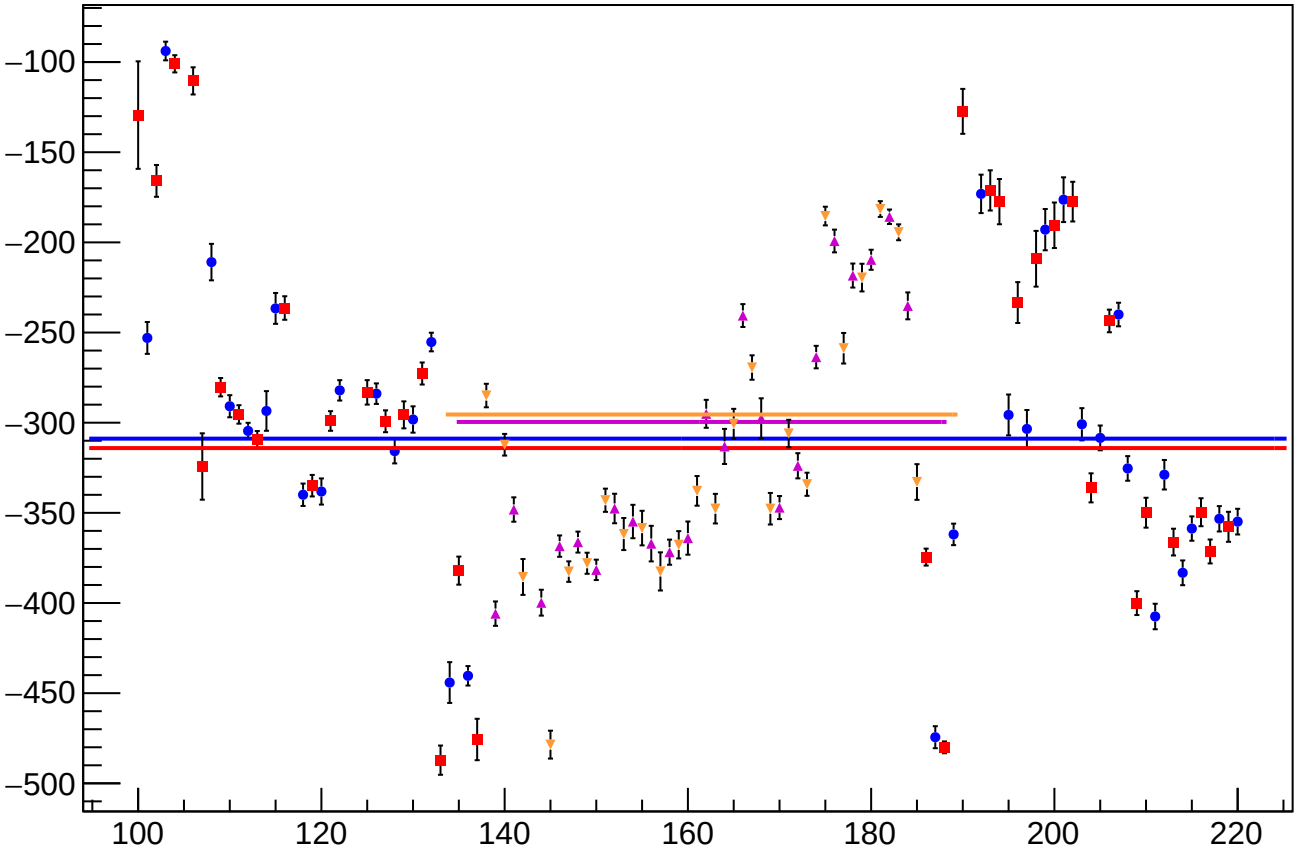
Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

+ sign 217.707+/-0.055 χ^2/NDF: 294348.2/56

All: 211.808+/-0.038 χ^2/NDF: 1218140.3/114

- sign 206.303+/-0.053 χ^2/NDF: 901634.9/57

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -308.844+/-1.216 χ^2/NDF: 4638.8/32

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

Right Out: -314.081+/-1.154 χ^2/NDF: 8141.2/34

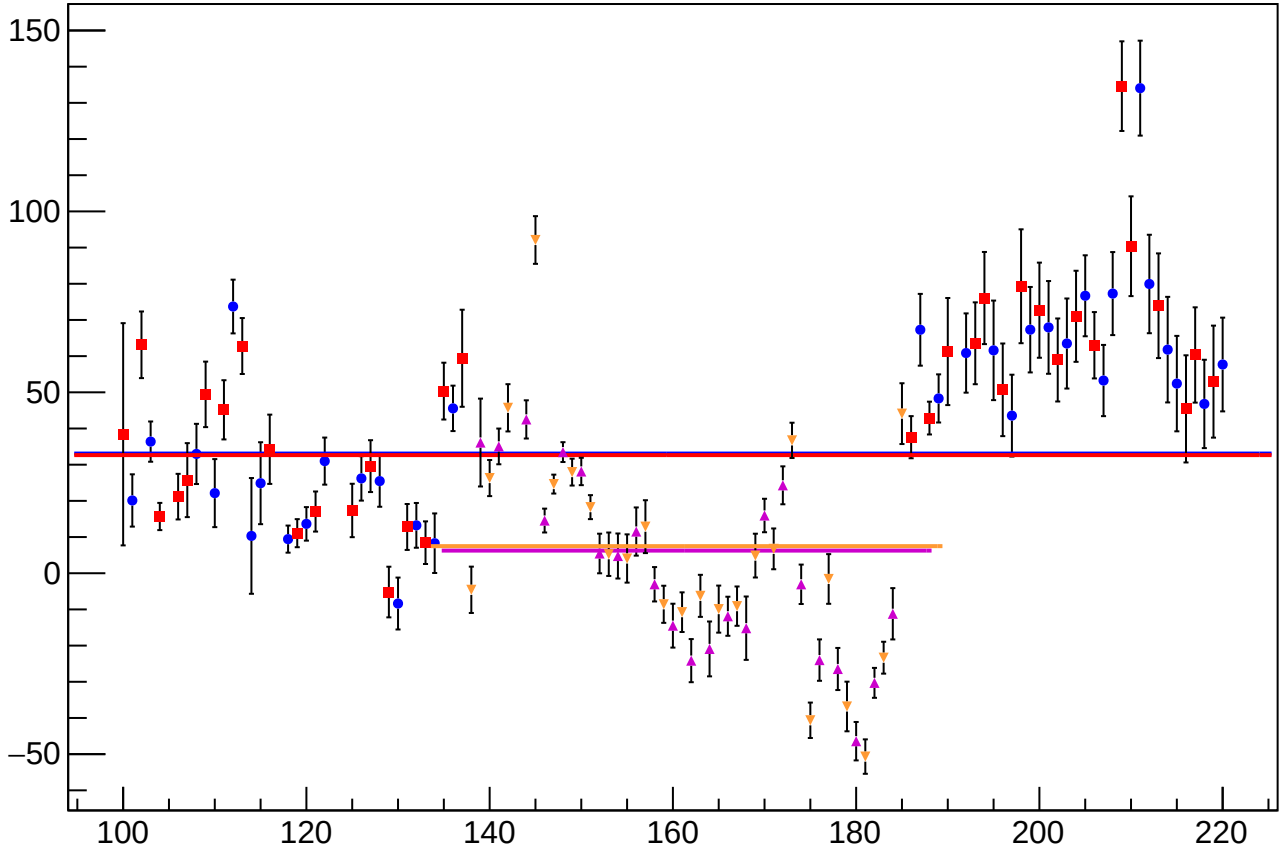
Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -303.057+/-0.916 χ^2/NDF: 8037.5/56

All: -305.705+/-0.638 χ^2/NDF: 19230.6/114

- sign -308.203+/-0.890 χ^2/NDF: 11176.9/57

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 33.072+/-1.394 χ^2/NDF: 320.8/32

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 32.648+/-1.318 χ^2/NDF: 339.0/34

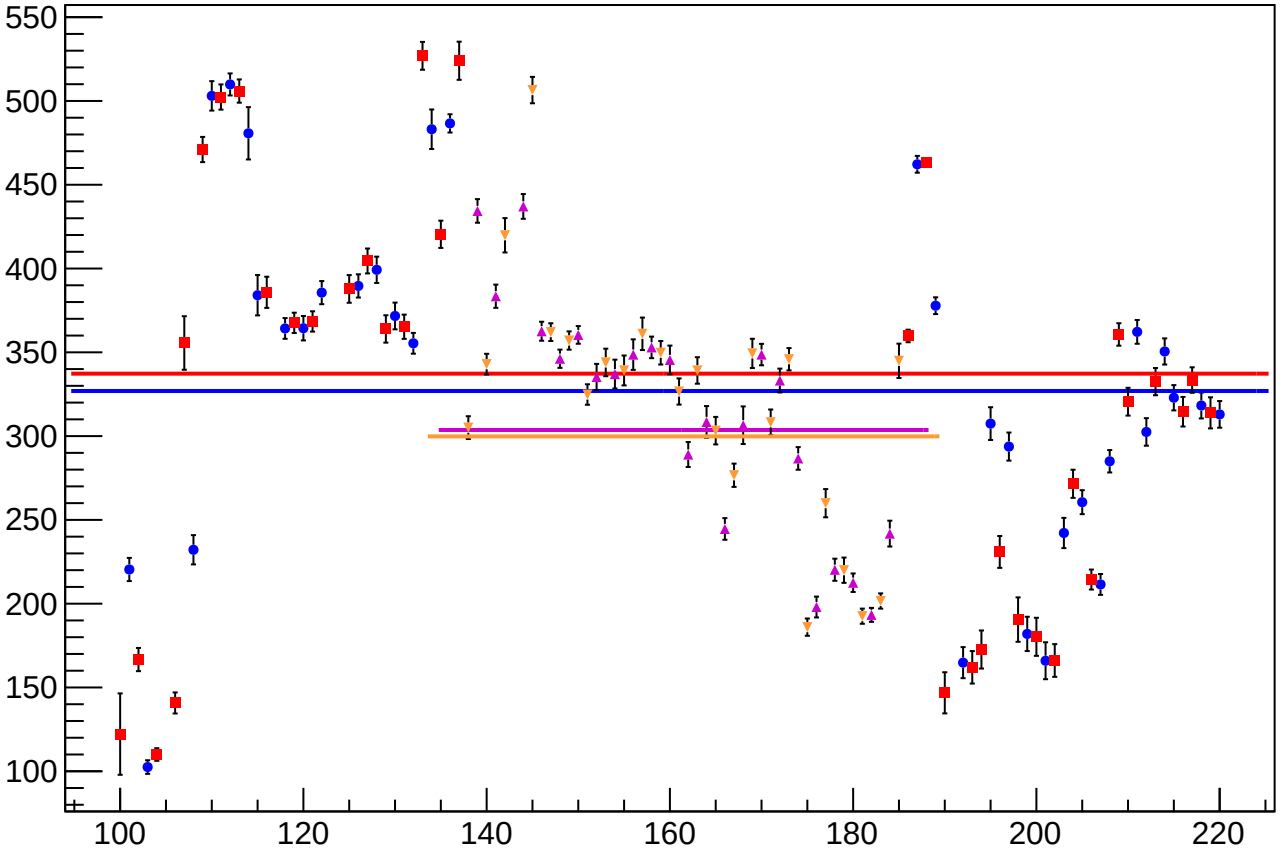
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

\+ sign 16.519+/-0.828 χ^2/NDF: 1277.3/56

All: 16.480+/-0.582 χ^2/NDF: 2421.8/114

\- sign 16.442+/-0.819 χ^2/NDF: 1144.5/57

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 326.925+/-1.248 χ^2/NDF: 8262.4/32

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 337.269+/-1.148 χ^2/NDF: 12171.0/34

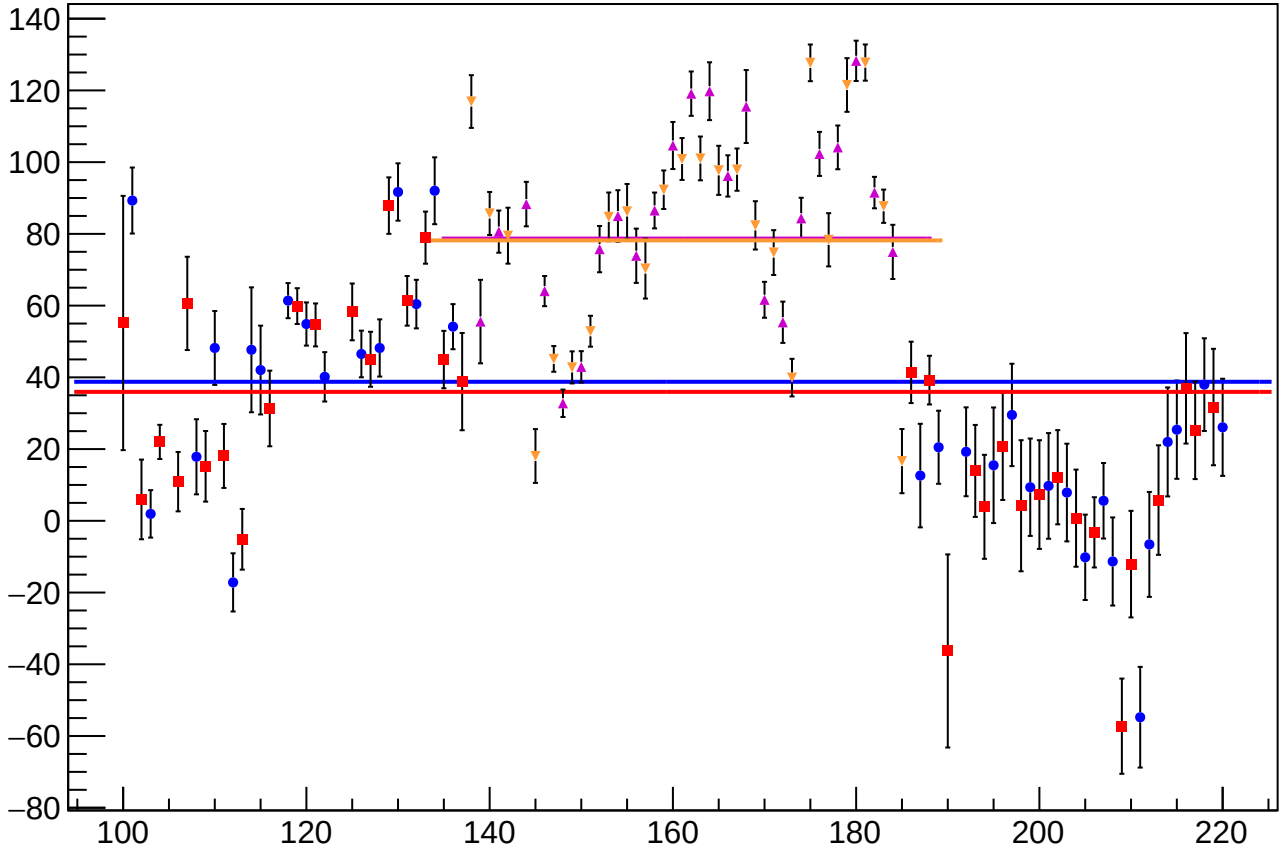
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 314.745+/-0.926 χ^2/NDF: 11550.5/56

All: 319.359+/-0.639 χ^2/NDF: 26991.6/114

- sign 323.557+/-0.883 χ^2/NDF: 15393.7/57

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 38.762+/-1.620 χ^2/NDF: 363.6/32

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

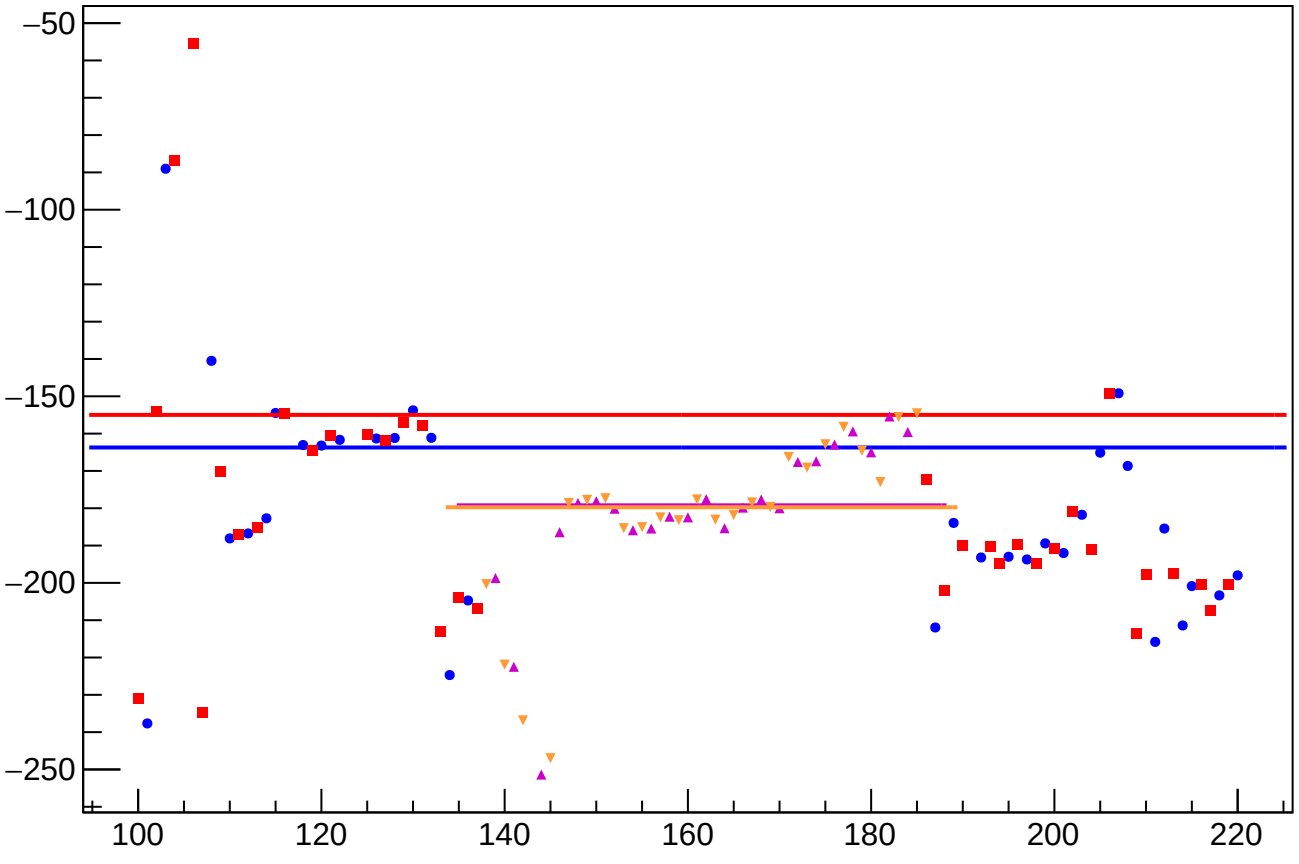
Right Out: 35.950+/-1.569 χ^2/NDF: 310.2/34

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

+ sign 64.451+/-0.956 χ^2/NDF: 1412.6/56

All: 63.719+/-0.674 χ^2/NDF: 2682.3/114

- sign 62.997+/-0.950 χ^2/NDF: 1268.5/57



Right In: -163.715+/-0.079 χ^2/NDF: 323972.8/32

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

Right Out: -154.984+/-0.076 χ^2/NDF: 444955.3/34

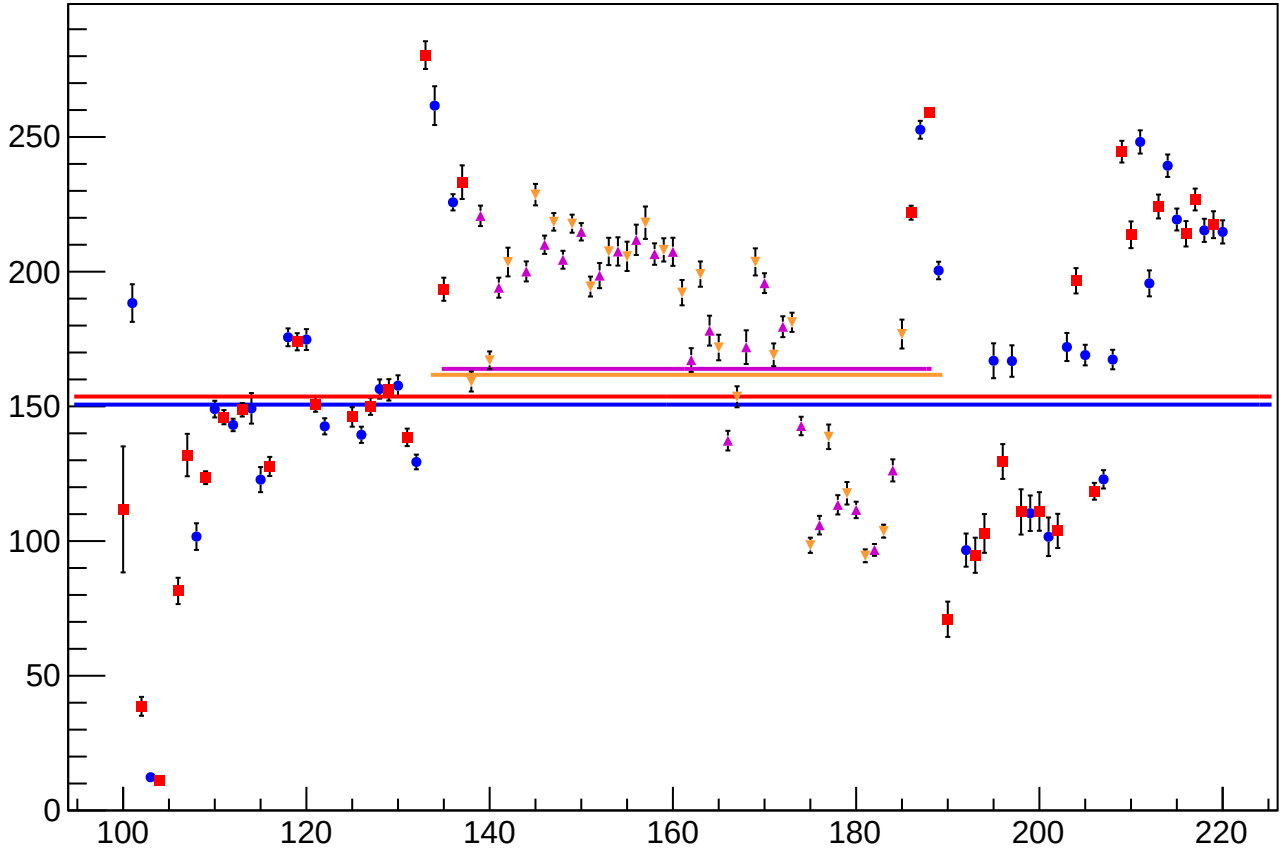
Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -174.489+/-0.045 χ^2/NDF: 483977.6/56

All: -172.744+/-0.032 χ^2/NDF: 1111994.9/11

- sign -171.053+/-0.044 χ^2/NDF: 625069.7/57

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 150.652+/-0.643 χ^2/NDF: 10272.2/32

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

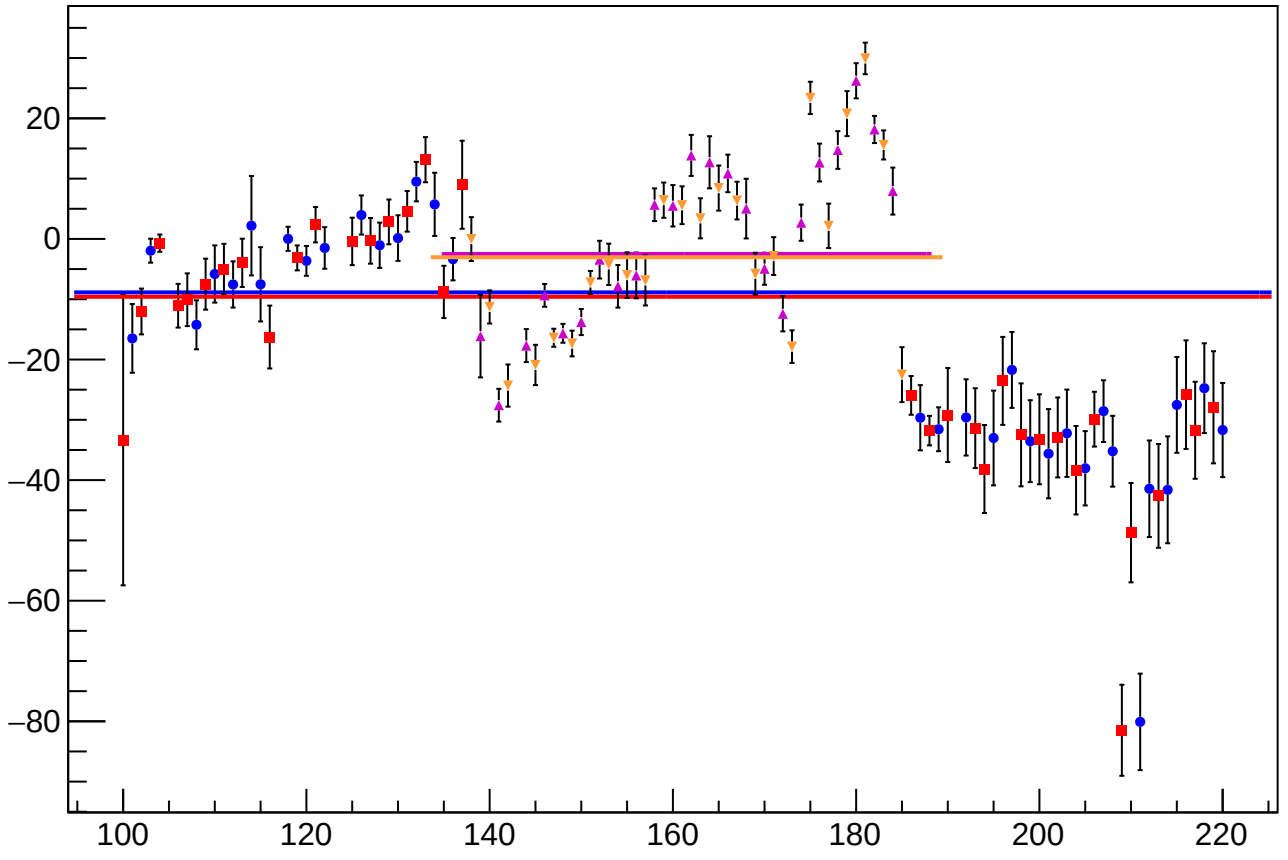
Right Out: 153.650+/-0.605 χ^2/NDF: 15039.0/34

Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 155.151+/-0.495 χ^2/NDF: 13979.9/56

All: 156.374+/-0.344 χ^2/NDF: 32474.7/114

- sign 157.513+/-0.478 χ^2/NDF: 18483.0/57



Right In: -8.868+/-0.732 χ^2/NDF: 414.4/32

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

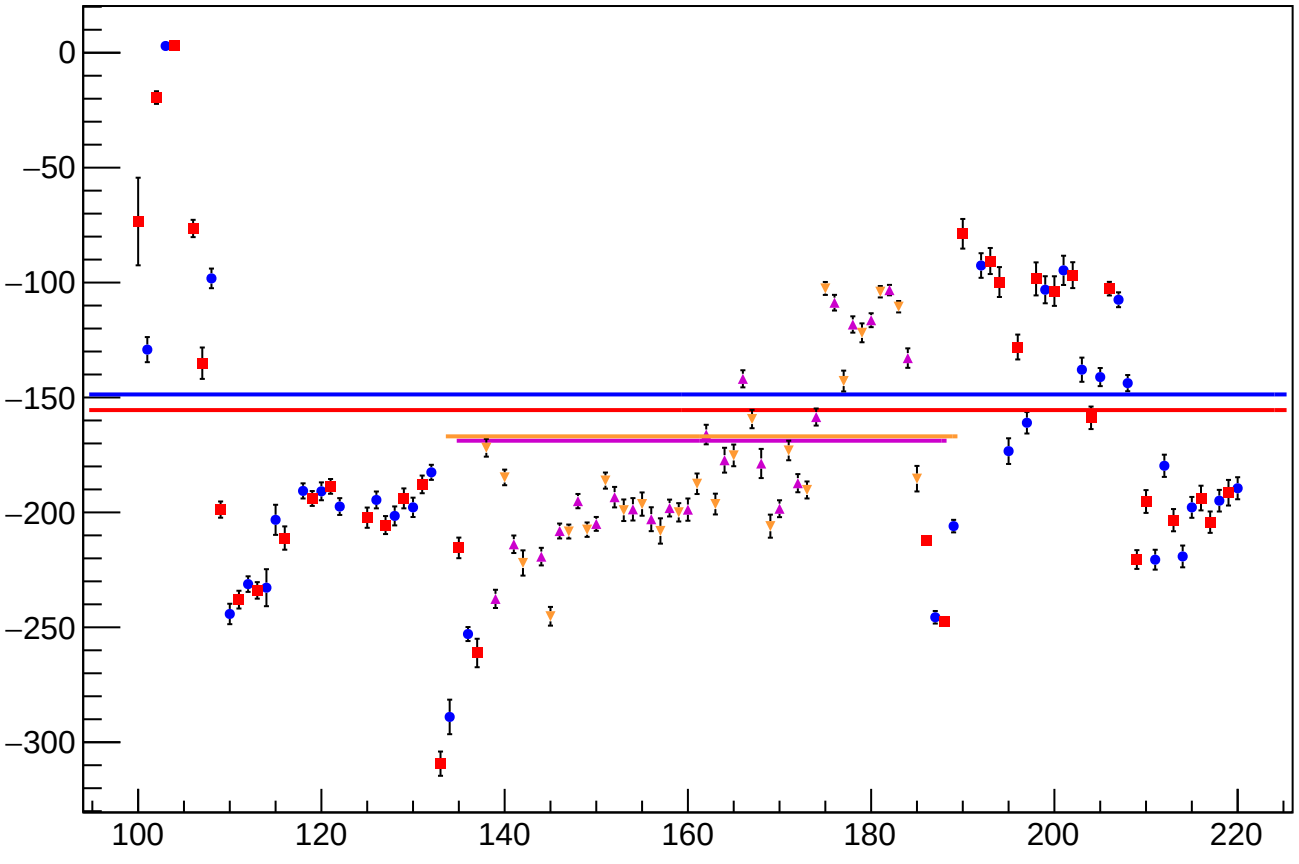
Right Out: -9.592+/-0.669 χ^2/NDF: 507.4/34

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

+ sign -5.277+/-0.454 χ^2/NDF: 1107.9/56

All: -5.433+/-0.316 χ^2/NDF: 2242.1/114

- sign -5.579+/-0.441 χ^2/NDF: 1133.9/57



Right In: -148.675+/-0.648 χ^2/NDF: 18166.2/32

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -155.483+/-0.593 χ^2/NDF: 24699.9/34

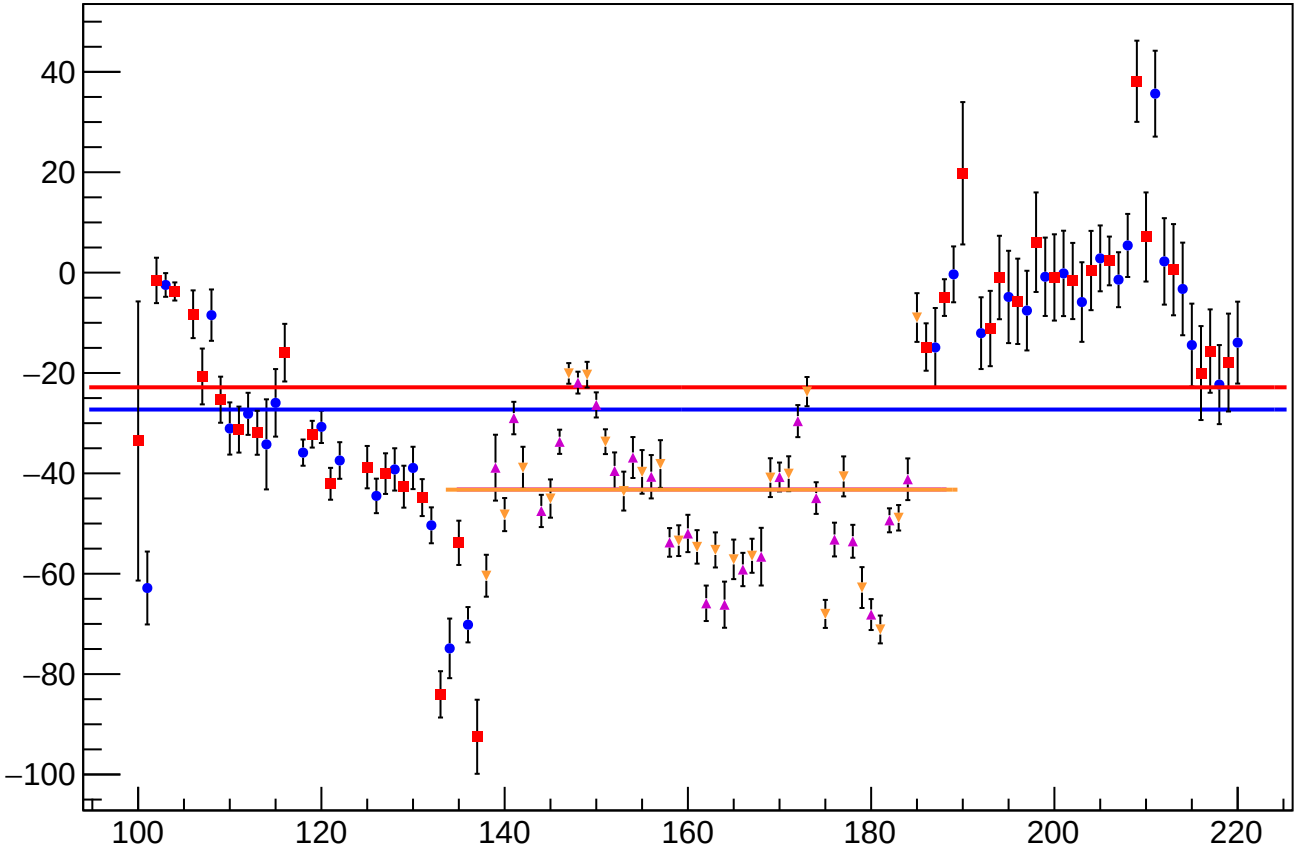
Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -156.221+/-0.496 χ^2/NDF: 21590.5/56

All: -158.433+/-0.341 χ^2/NDF: 49575.1/114

- sign -160.423+/-0.470 χ^2/NDF: 27946.8/57

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -27.283+/-0.852 χ^2/NDF: 683.9/32

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

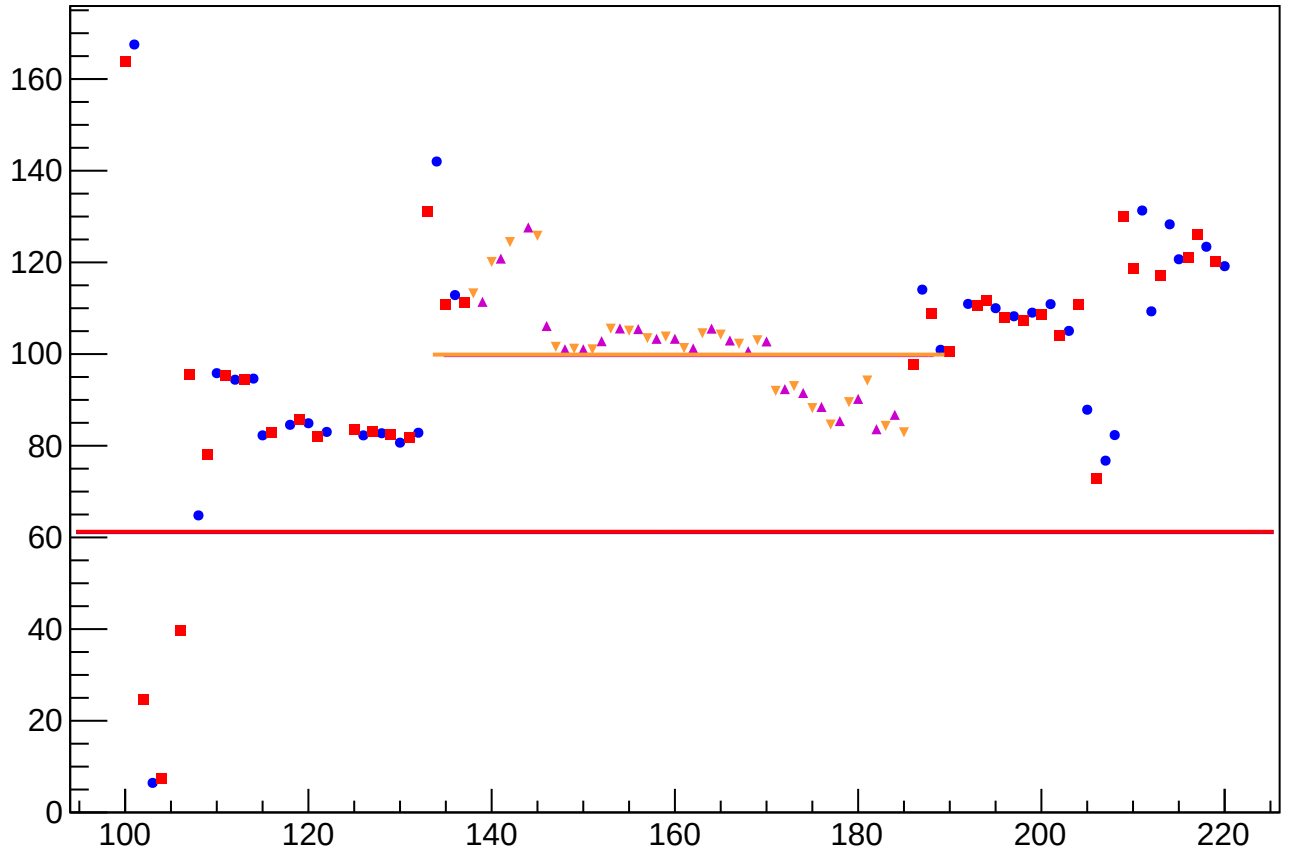
Right Out: -22.852+/-0.800 χ^2/NDF: 790.2/34

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -37.221+/-0.524 χ^2/NDF: 1512.5/56

All: -35.995+/-0.367 χ^2/NDF: 3099.7/114

- sign -34.816+/-0.514 χ^2/NDF: 1576.5/57



Right In: 61.156+/-0.038 χ^2/NDF: 1622008.2/32

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

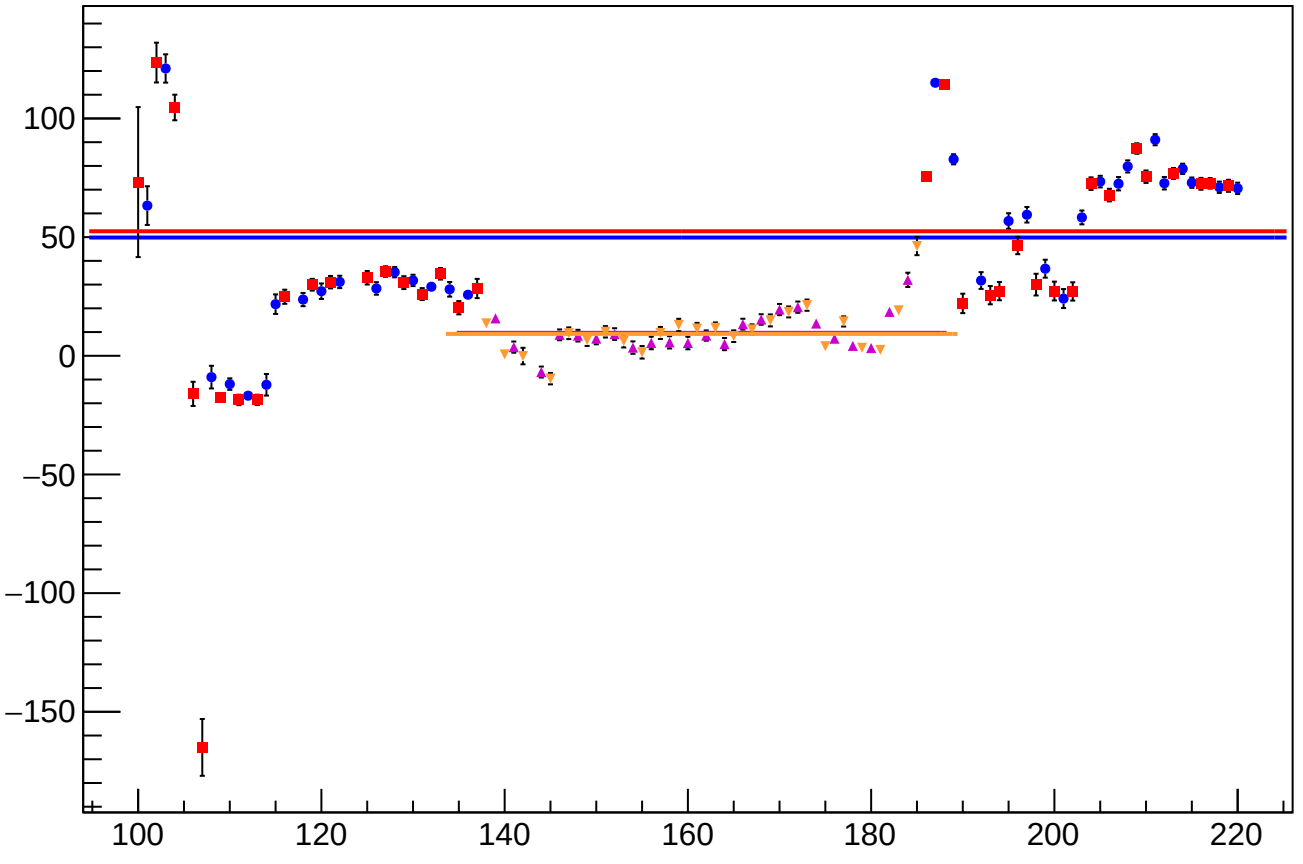
Right Out: 61.233+/-0.038 χ^2/NDF: 1402187.5/34

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 84.535+/-0.024 χ^2/NDF: 2373369.3/56

All: 84.544+/-0.017 χ^2/NDF: 4517215.6/114

- sign 84.554+/-0.024 χ^2/NDF: 2143846.0/57



Right In: 49.831+/-0.464 χ^2/NDF: 5463.3/32

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

Right Out: 52.472+/-0.436 χ^2/NDF: 8800.1/34

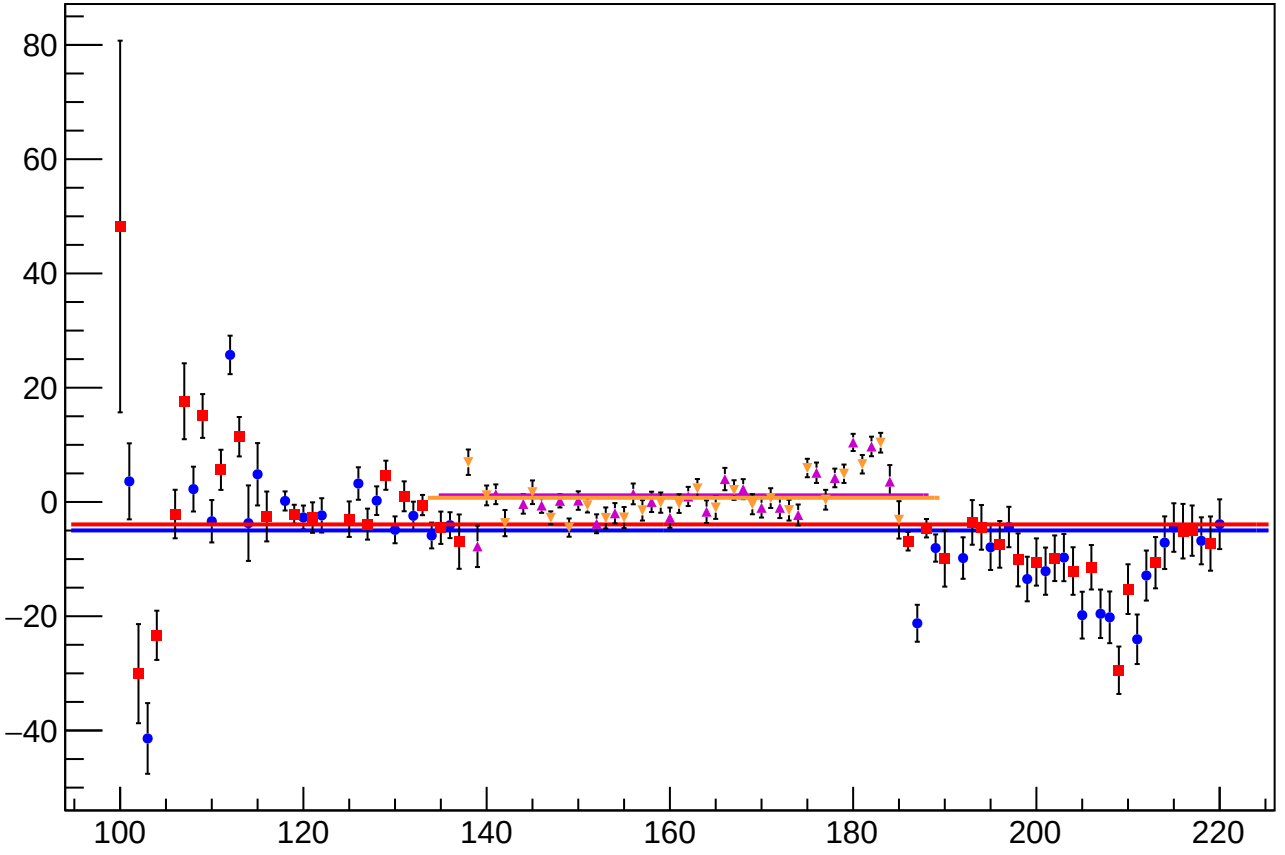
Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

+ sign 29.217+/-0.325 χ^2/NDF: 9686.7/56

All: 30.800+/-0.227 χ^2/NDF: 23310.3/114

- sign 32.308+/-0.317 χ^2/NDF: 13577.4/57

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -4.983+/-0.559 χ^2/NDF: 249.5/32

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -3.932+/-0.531 χ^2/NDF: 182.2/34

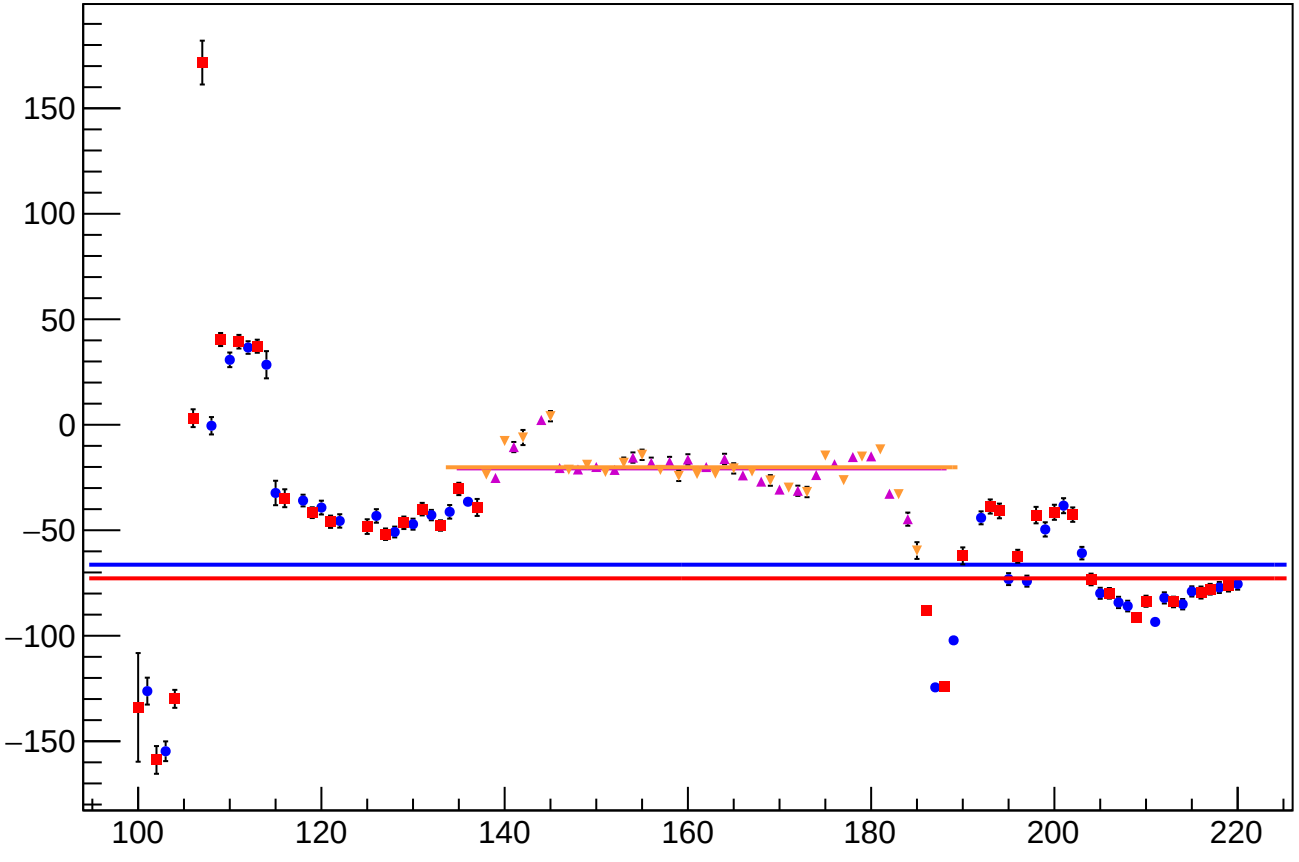
Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

+ sign -0.877+/-0.296 χ^2/NDF: 434.4/56

All: -0.655+/-0.210 χ^2/NDF: 791.4/114

- sign -0.433+/-0.296 χ^2/NDF: 355.9/57

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -66.325+/-0.479 χ^2/NDF: 5934.3/32

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

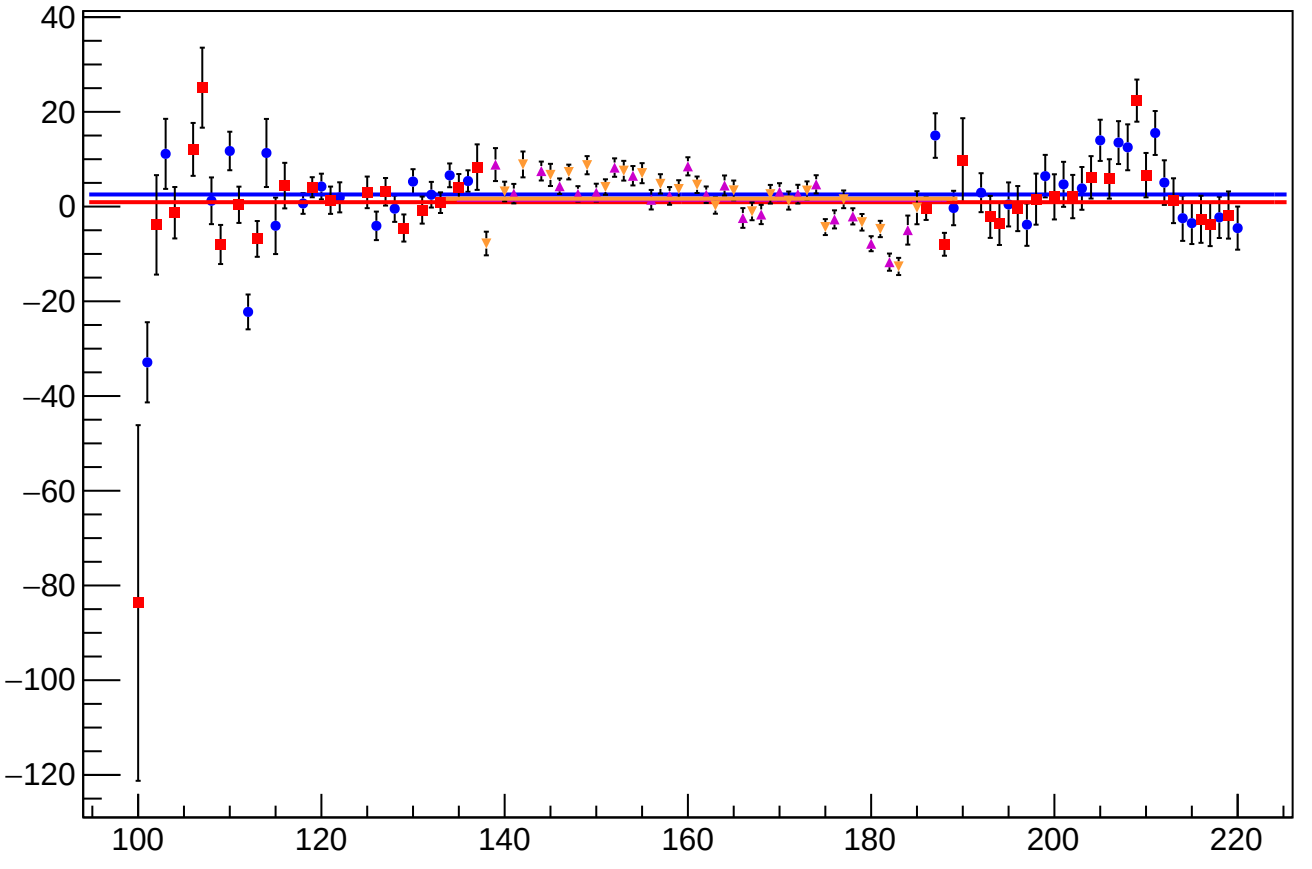
Right Out: -72.797+/-0.432 χ^2/NDF: 9793.7/34

Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

+ sign -41.910+/-0.329 χ^2/NDF: 11262.8/56

All: -45.226+/-0.227 χ^2/NDF: 28420.5/114

- sign -48.248+/-0.314 χ^2/NDF: 16963.6/57



Right In: 2.554+/-0.642 χ^2/NDF: 127.3/32

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

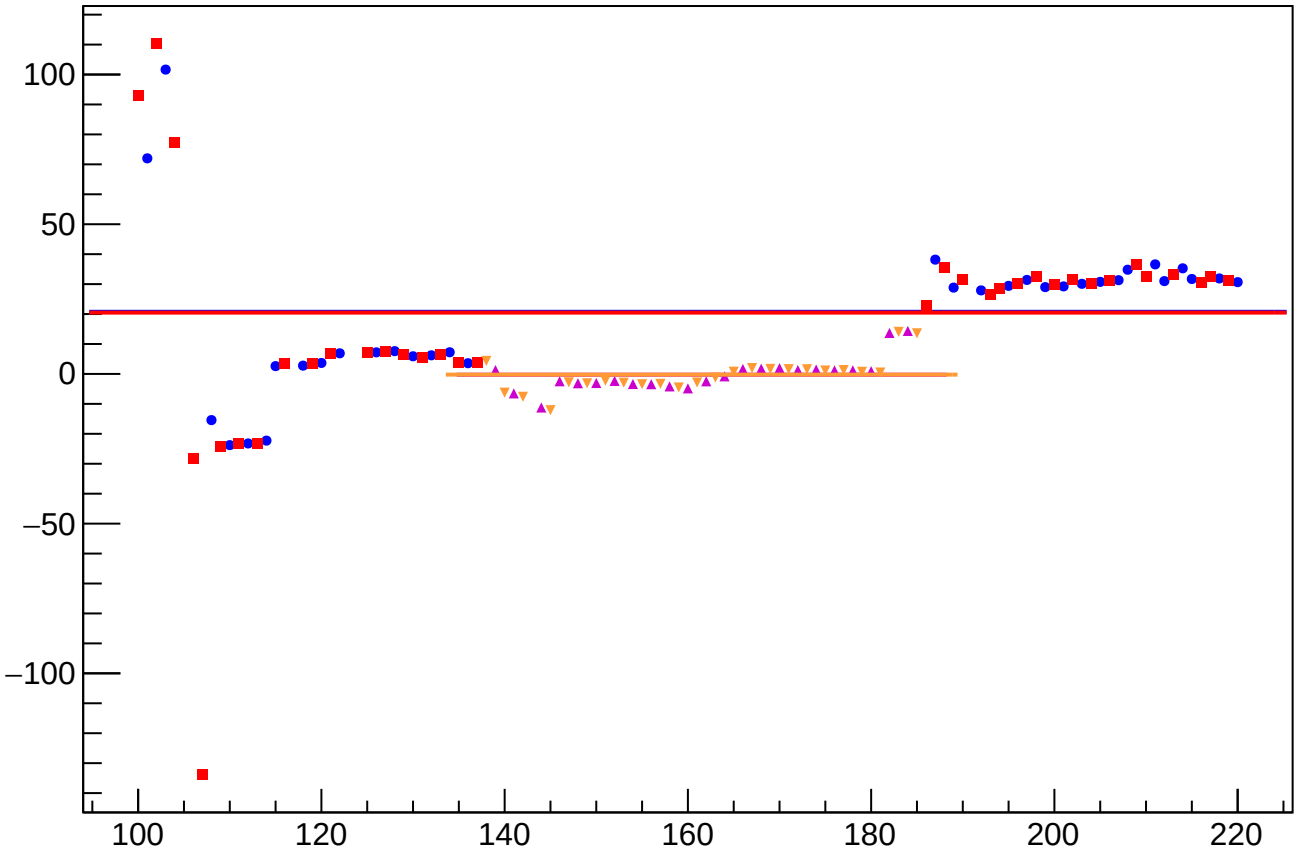
Right Out: 0.928+/-0.631 χ^2/NDF: 83.8/34

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

+ sign 1.913+/-0.336 χ^2/NDF: 306.6/56

All: 1.601+/-0.239 χ^2/NDF: 555.3/114

- sign 1.283+/-0.339 χ^2/NDF: 247.0/57



Right In: 20.752+/-0.032 χ^2/NDF: 438299.3/32

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

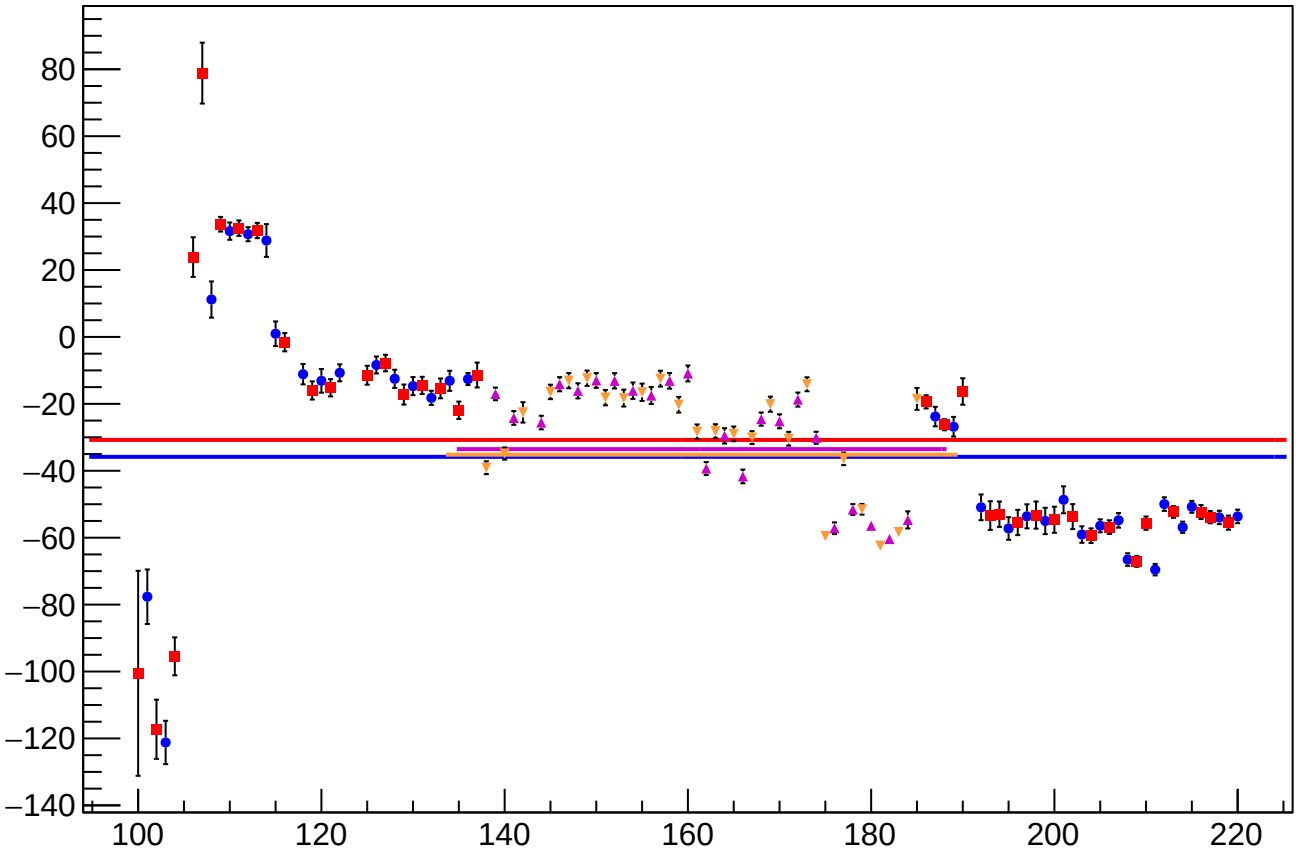
Right Out: 20.484+/-0.032 χ^2/NDF: 607212.3/34

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 4.628+/-0.015 χ^2/NDF: 846850.3/56

All: 4.581+/-0.011 χ^2/NDF: 1843733.3/114

- sign 4.534+/-0.016 χ^2/NDF: 996864.7/57



Right In: -35.836+/-0.437 χ^2/NDF: 4472.4/32

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

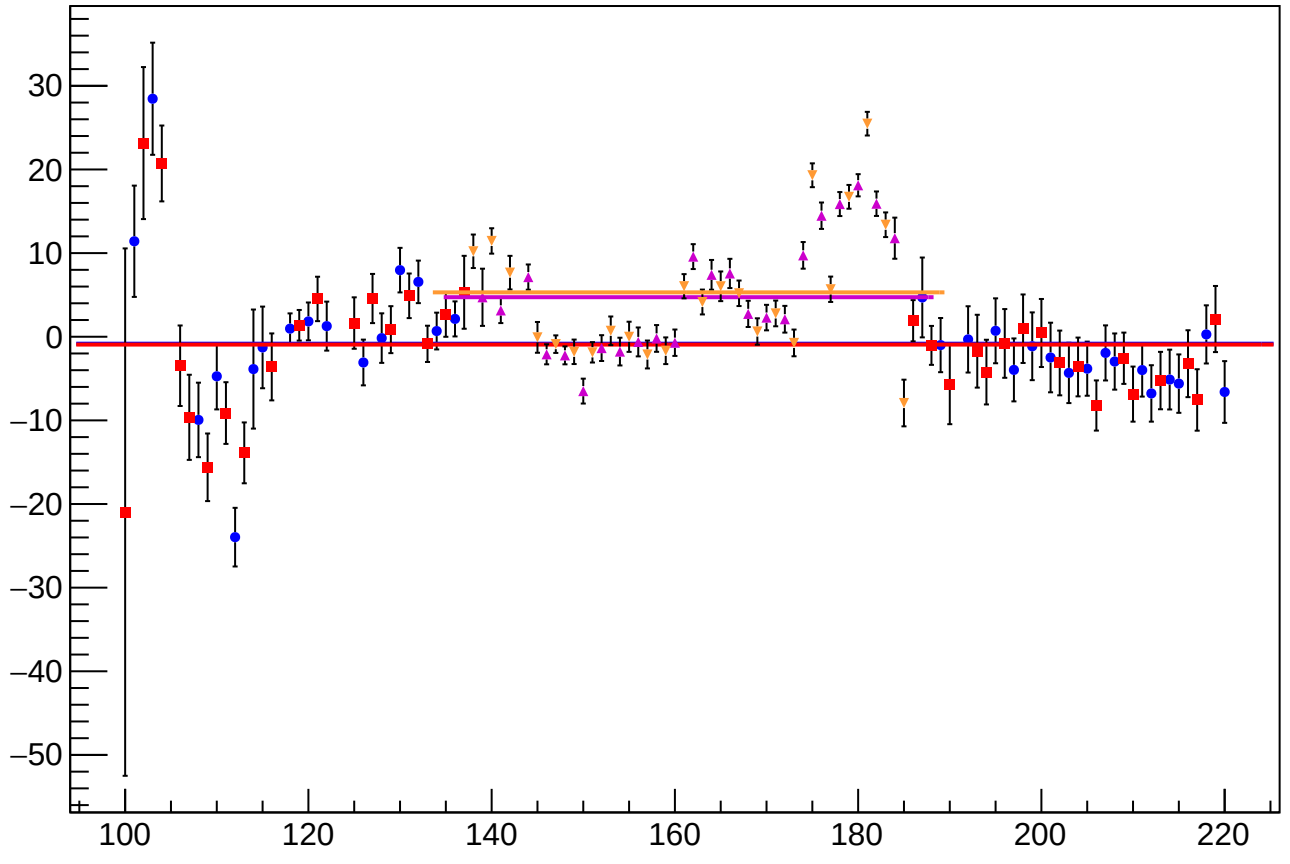
Right Out: -30.782+/-0.438 χ^2/NDF: 5069.7/34

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -35.496+/-0.298 χ^2/NDF: 6324.3/56

All: -33.879+/-0.212 χ^2/NDF: 13280.2/114

- sign -32.234+/-0.301 χ^2/NDF: 6896.6/57



Right In: -0.831+/-0.558 χ^2/NDF: 111.4/32

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

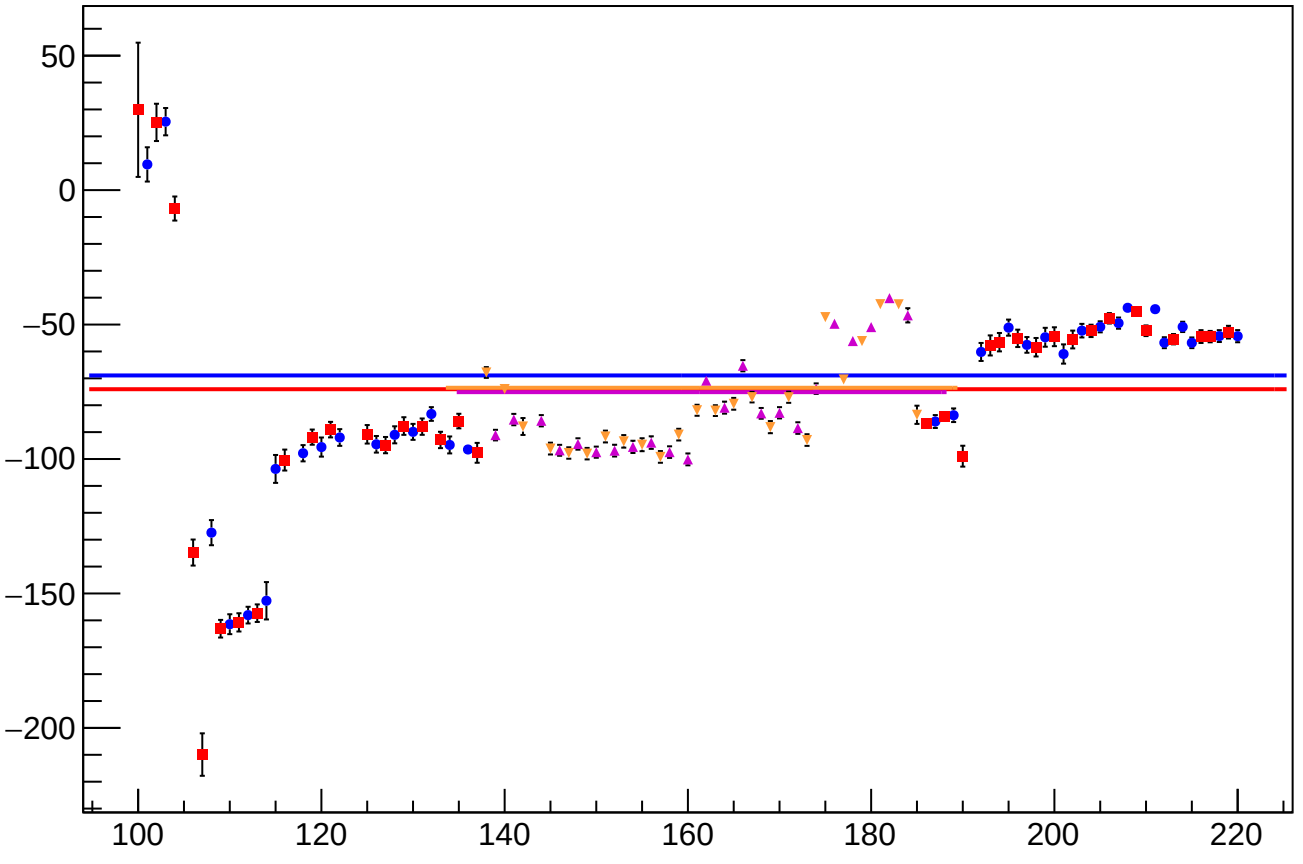
Right Out: -0.936+/-0.560 χ^2/NDF: 103.3/34

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 3.825+/-0.274 χ^2/NDF: 827.5/56

All: 3.579+/-0.195 χ^2/NDF: 1505.3/114

- sign 3.325+/-0.279 χ^2/NDF: 676.2/57



Right In: -68.921+/-0.460 χ^2/NDF: 4001.6/32

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

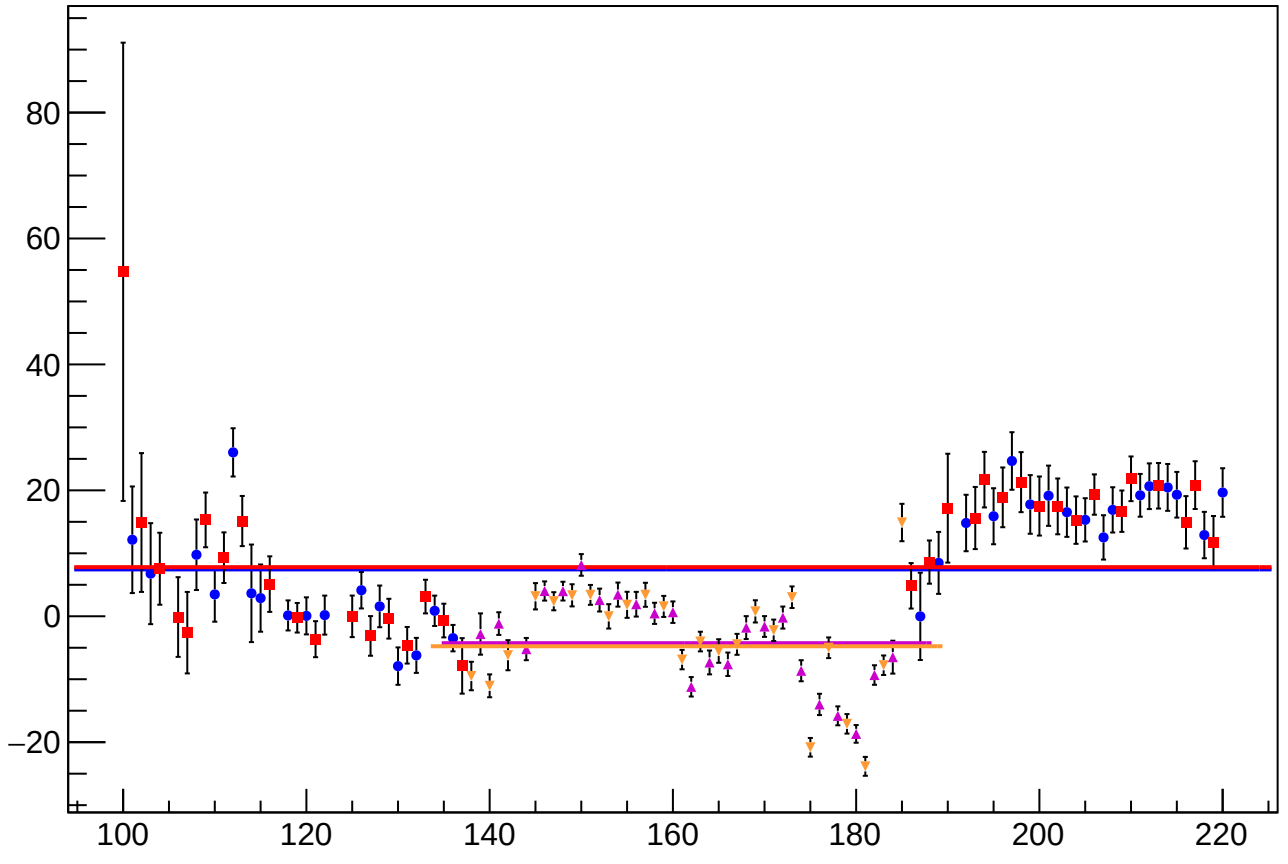
Right Out: -74.042+/-0.452 χ^2/NDF: 4612.4/34

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

\+ sign -71.500+/-0.304 χ^2/NDF: 6449.5/56

All: -73.071+/-0.215 χ^2/NDF: 13480.5/114

\- sign -74.641+/-0.304 χ^2/NDF: 6977.5/57



Right In: 7.443+/-0.627 χ^2/NDF: 249.4/32

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

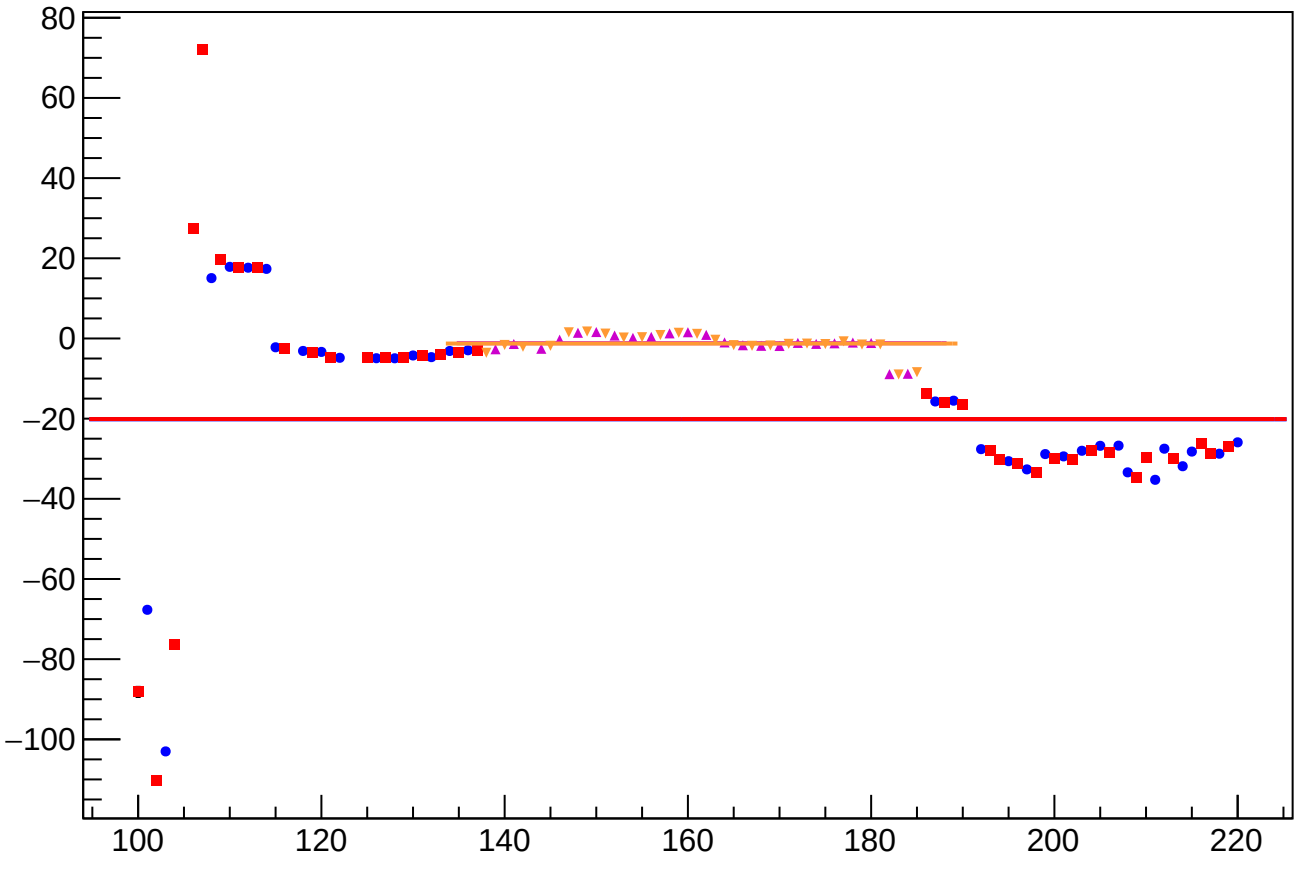
Right Out: 7.797+/-0.643 χ^2/NDF: 214.2/34

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

\+ sign -1.804+/-0.309 χ^2/NDF: 1113.2/56

All: -1.599+/-0.220 χ^2/NDF: 2020.5/114

\- sign -1.386+/-0.315 χ^2/NDF: 906.4/57



Right In: -20.175+/-0.031 χ^2/NDF: 398633.4/32

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

Right Out: -20.099+/-0.032 χ^2/NDF: 484147.6/34

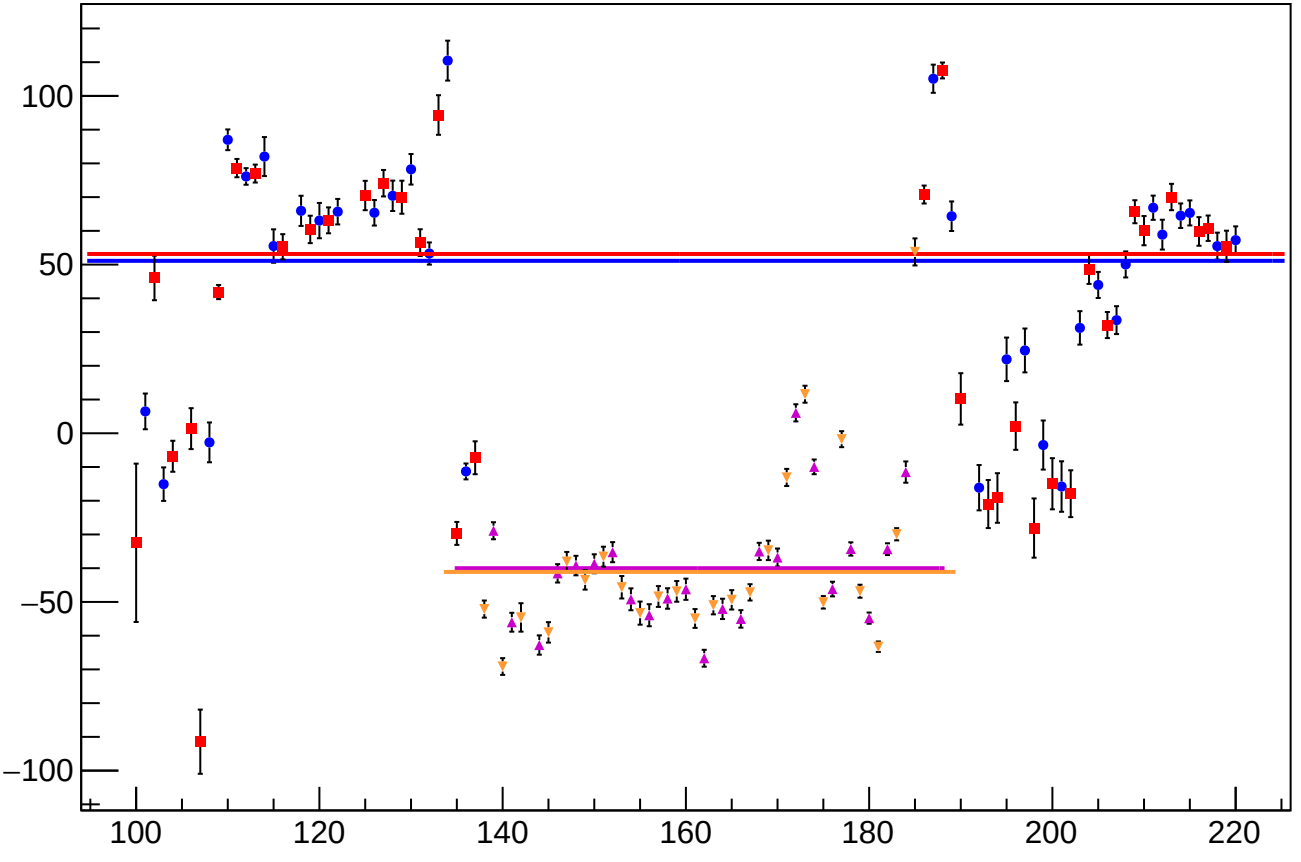
Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

+ sign -5.281+/-0.014 χ^2/NDF: 725300.9/56

All: -5.157+/-0.010 χ^2/NDF: 1520559.0/114

- sign -5.031+/-0.014 χ^2/NDF: 795101.5/57

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 51.112+/-0.721 χ^2/NDF: 2045.7/32

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

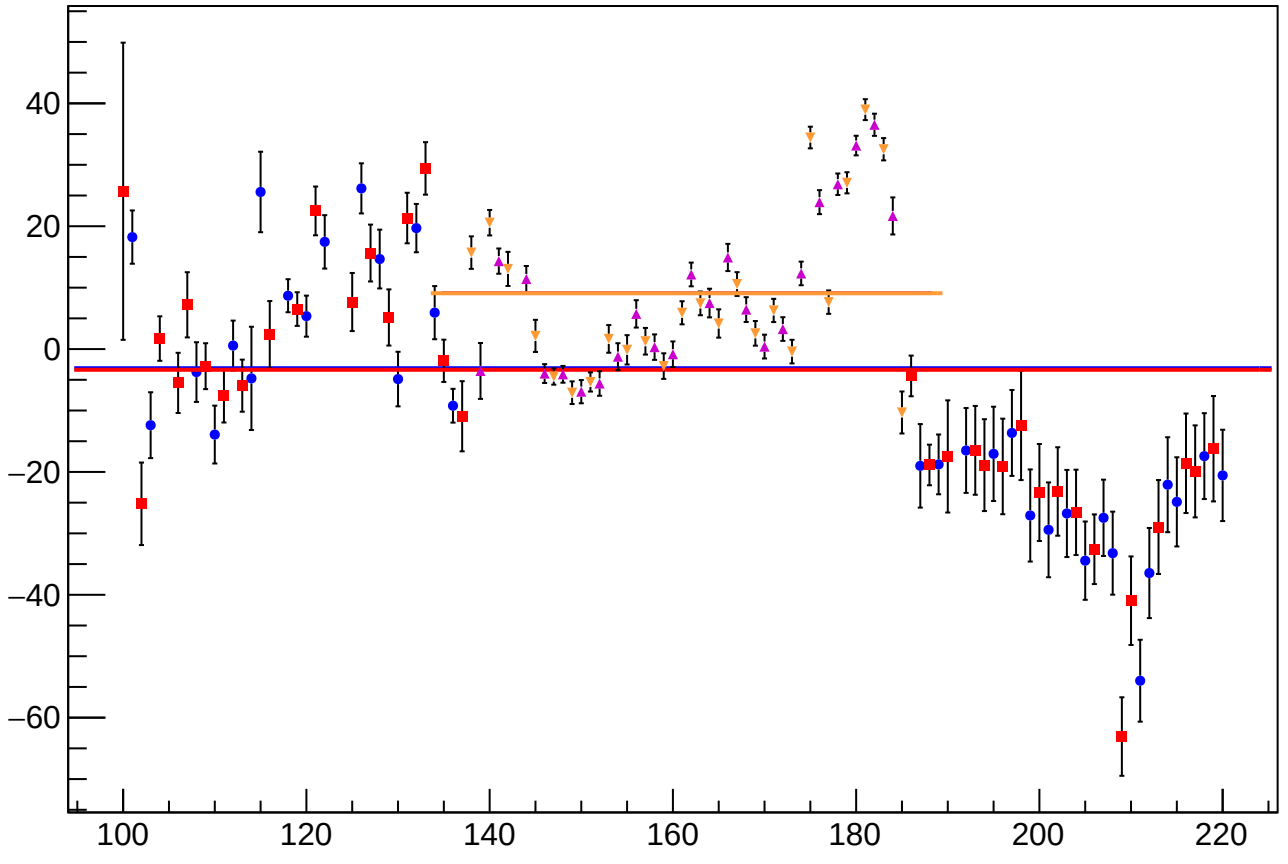
Right Out: 53.148+/-0.683 χ^2/NDF: 2760.2/34

Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -9.776+/-0.420 χ^2/NDF: 14784.2/56

All: -7.607+/-0.296 χ^2/NDF: 30325.3/114

\- sign -5.485+/-0.416 χ^2/NDF: 15488.5/57



Right In: -3.115+/-0.869 χ^2/NDF: 430.1/32

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

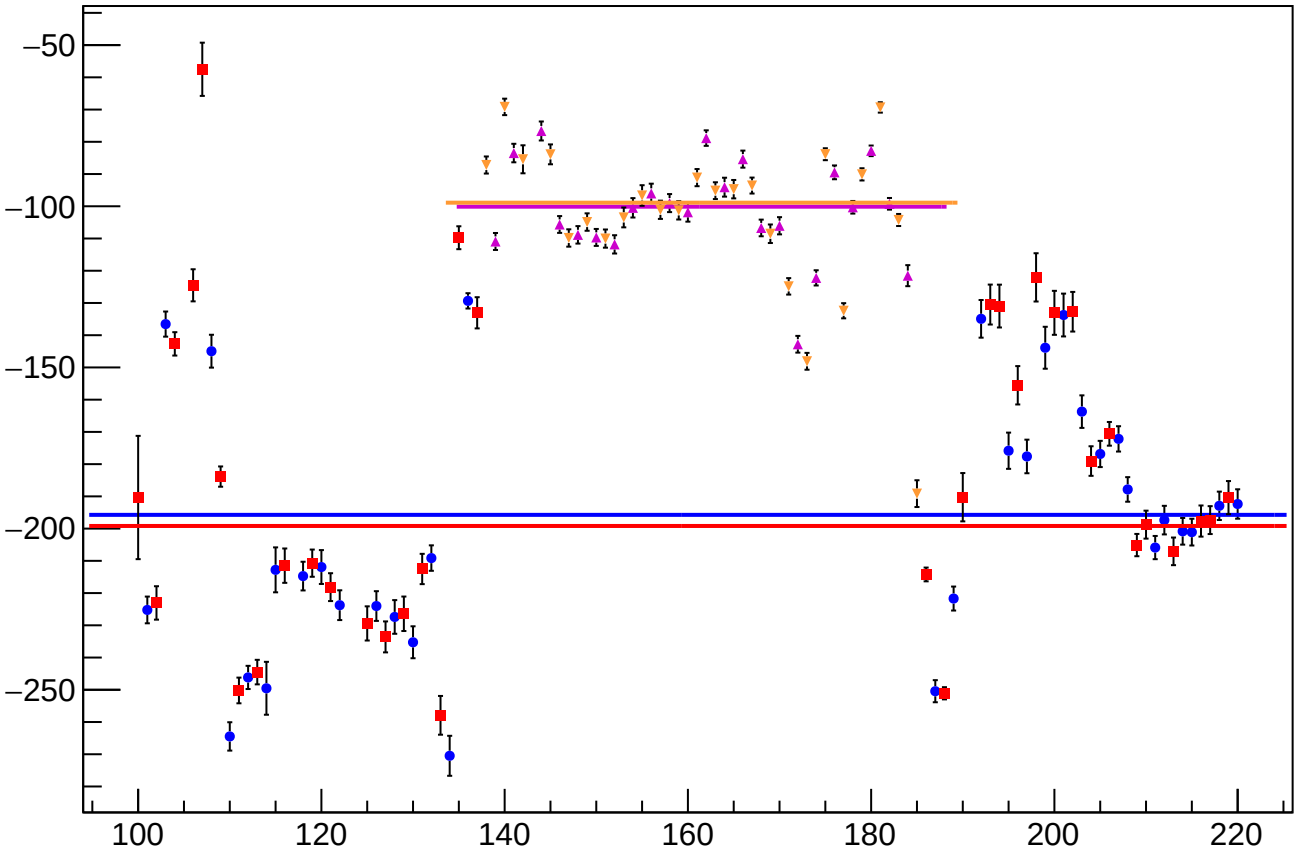
Right Out: -3.370+/-0.842 χ^2/NDF: 423.9/34

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

+ sign 6.950+/-0.364 χ^2/NDF: 1846.4/56

All: 6.843+/-0.259 χ^2/NDF: 3500.5/114

- sign 6.735+/-0.368 χ^2/NDF: 1653.9/57



Right In: -195.734+/-0.760 χ^2/NDF: 2710.8/32

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

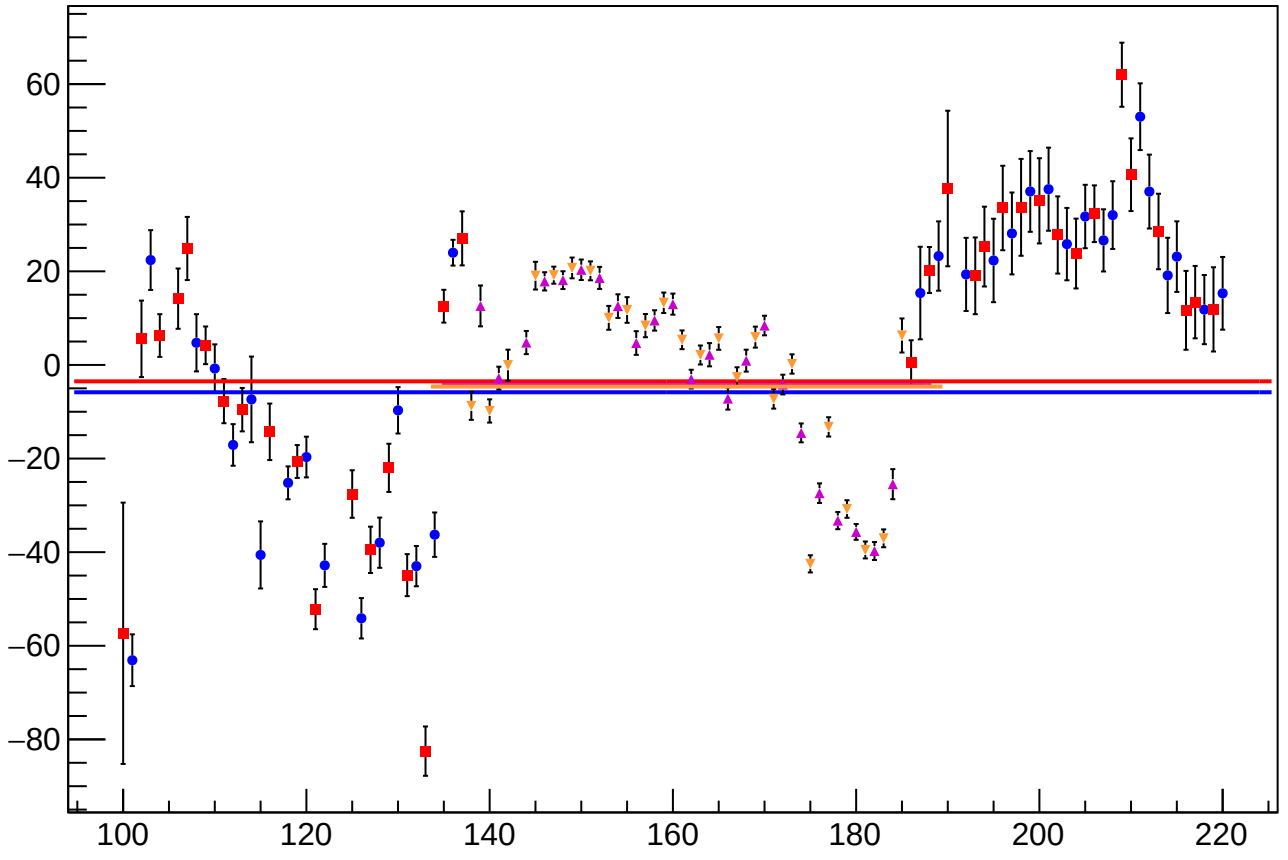
Right Out: -199.181+/-0.714 χ^2/NDF: 3667.2/34

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -129.287+/-0.426 χ^2/NDF: 15674.6/56

All: -131.916+/-0.299 χ^2/NDF: 32820.2/114

- sign -134.478+/-0.420 χ^2/NDF: 17070.3/57



Right In: -5.837+/-0.988 χ^2/NDF: 998.4/32

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

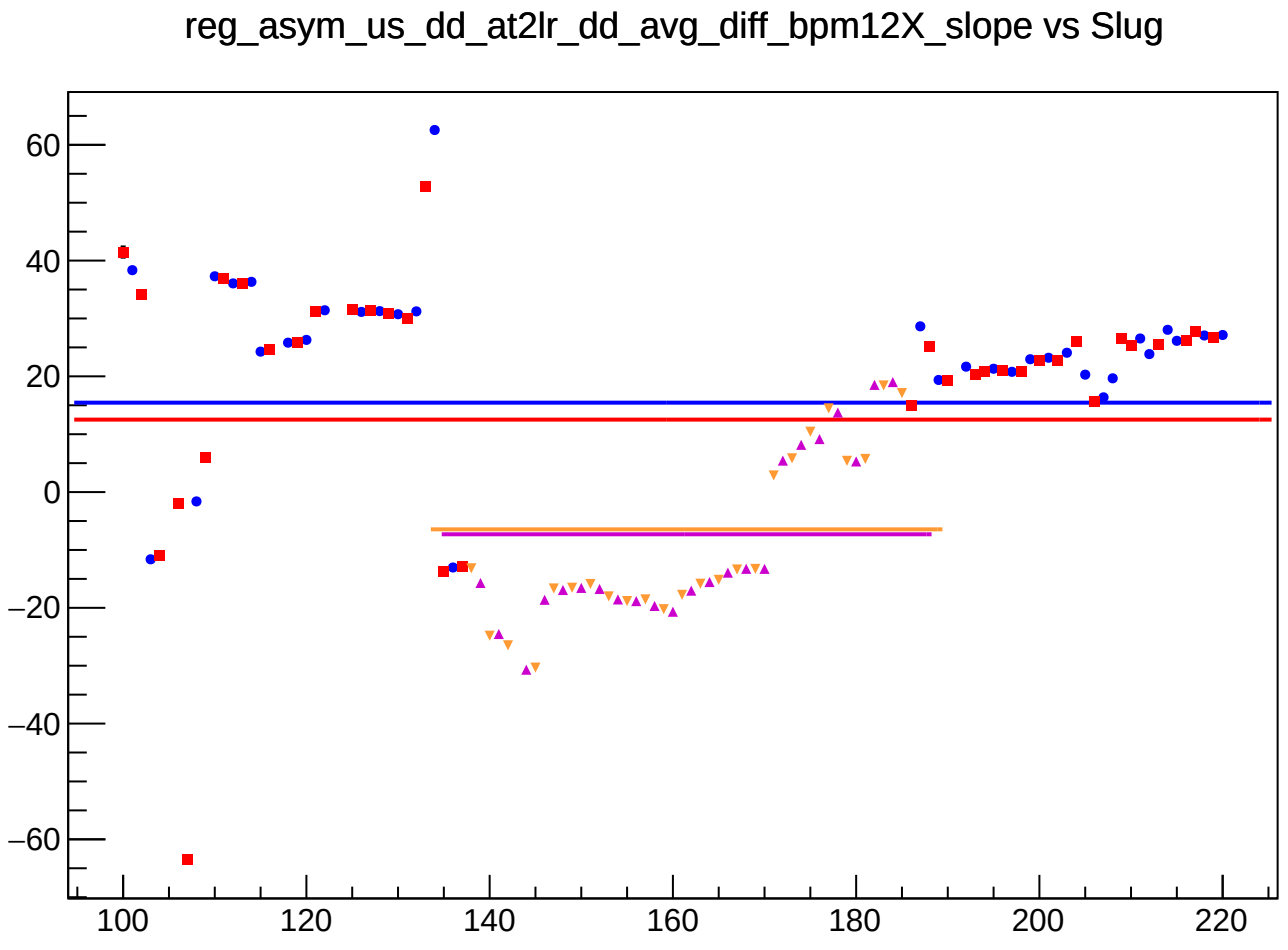
Right Out: -3.504+/-0.977 χ^2/NDF: 954.9/34

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

+ sign -4.828+/-0.411 χ^2/NDF: 3078.0/56

All: -4.508+/-0.292 χ^2/NDF: 5888.8/114

- sign -4.179+/-0.415 χ^2/NDF: 2809.6/57



Right In: 15.452+/-0.048 χ^2/NDF: 180495.2/32

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

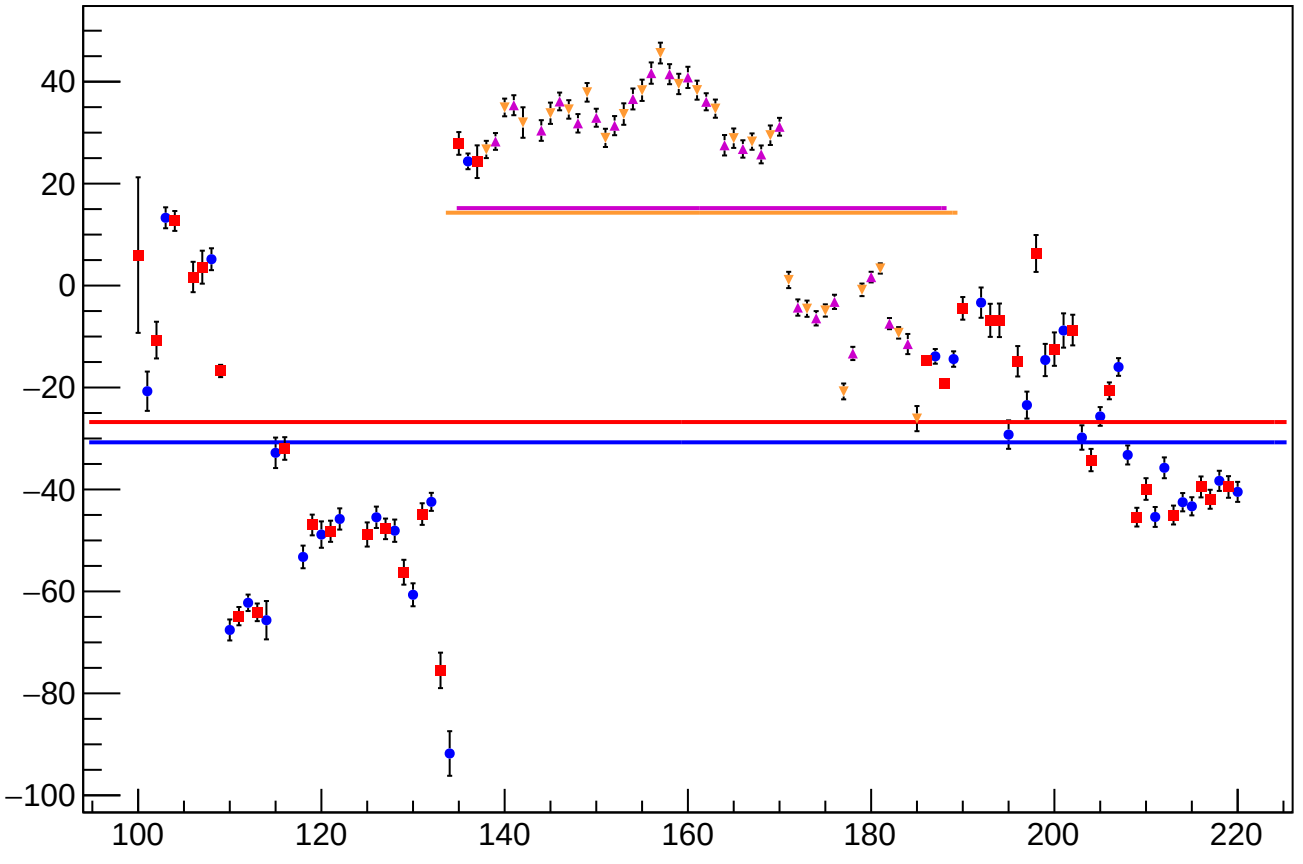
Right Out: 12.523+/-0.048 χ^2/NDF: 185403.4/34

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -3.189+/-0.019 χ^2/NDF: 851553.3/56

All: -3.756+/-0.013 χ^2/NDF: 1669605.2/114

- sign -4.328+/-0.019 χ^2/NDF: 816194.9/57



Right In: -30.753+/-0.364 χ^2/NDF: 4232.4/32

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

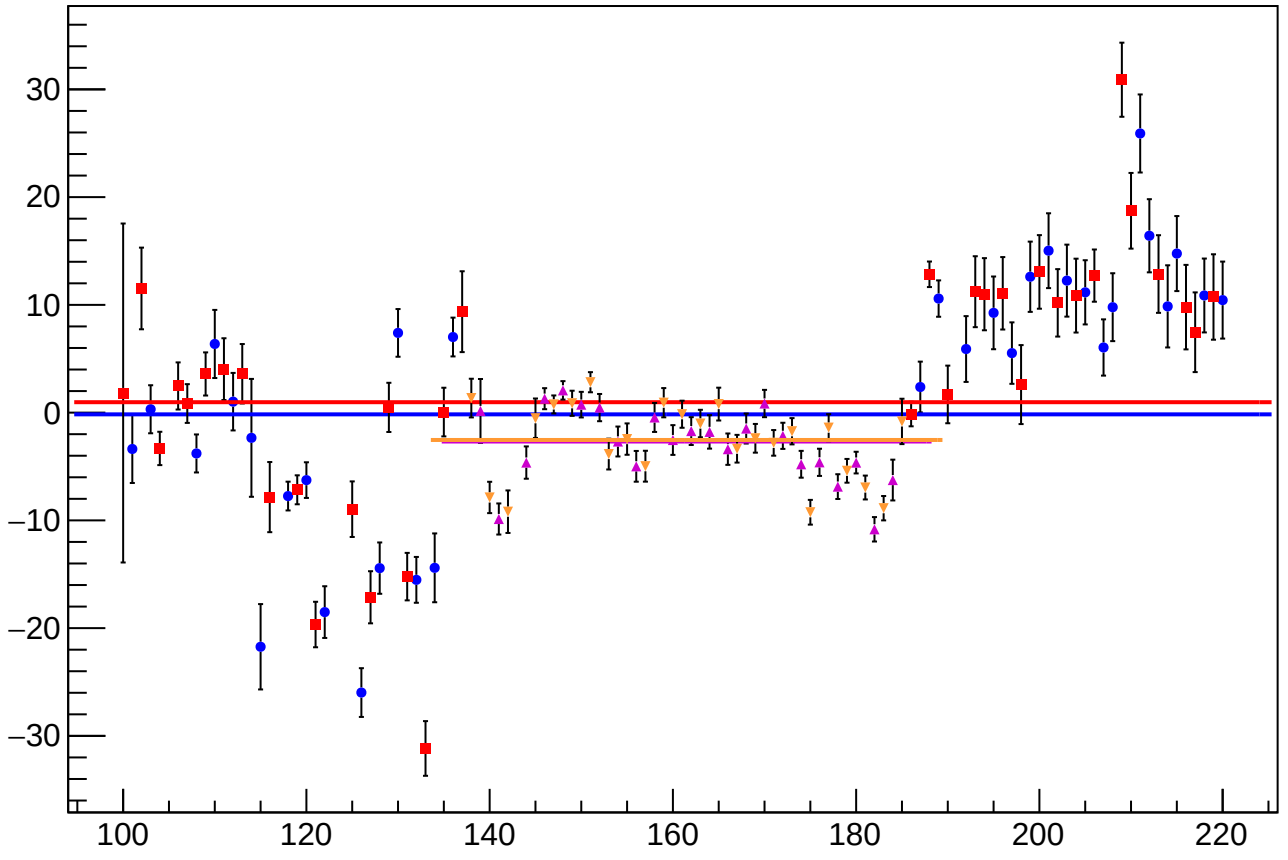
Right Out: -26.775+/-0.329 χ^2/NDF: 4254.7/34

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

\+ sign -6.383+/-0.247 χ^2/NDF: 16248.8/56

All: -6.400+/-0.171 χ^2/NDF: 31783.0/114

\- sign -6.417+/-0.236 χ^2/NDF: 15534.1/57



Right In: -0.160+/-0.438 χ^2/NDF: 665.5/32

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: 0.968+/-0.396 χ^2/NDF: 758.3/34

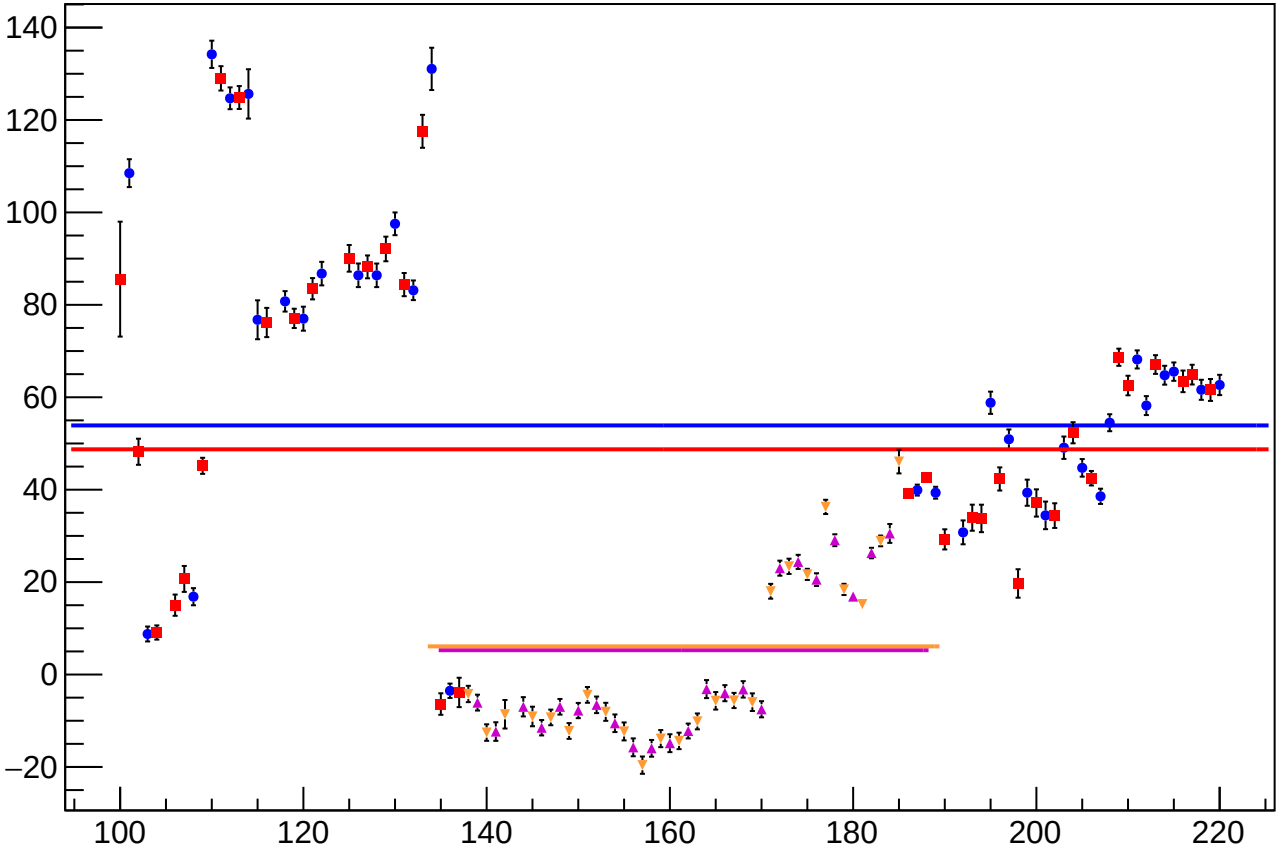
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

\+ sign -1.922+/-0.223 χ^2/NDF: 885.7/56

All: -1.735+/-0.157 χ^2/NDF: 1886.1/114

\- sign -1.553+/-0.220 χ^2/NDF: 999.0/57

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 53.905+/-0.366 χ^2/NDF: 6910.8/32

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

Right Out: 48.734+/-0.319 χ^2/NDF: 6380.3/34

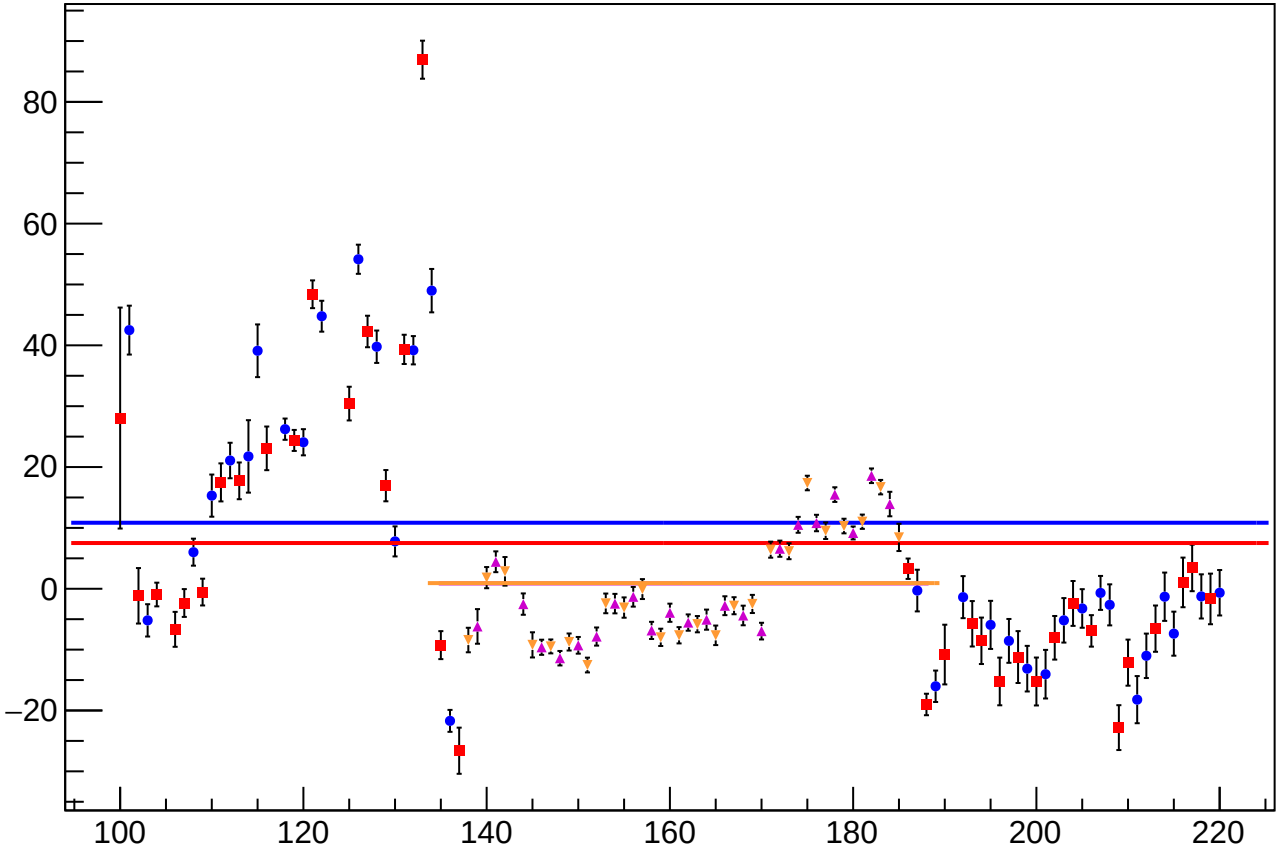
Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 27.725+/-0.246 χ^2/NDF: 19018.0/56

All: 27.951+/-0.169 χ^2/NDF: 36632.9/114

- sign 28.151+/-0.232 χ^2/NDF: 17613.3/57

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 10.849+/-0.509 χ^2/NDF: 1971.5/32

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

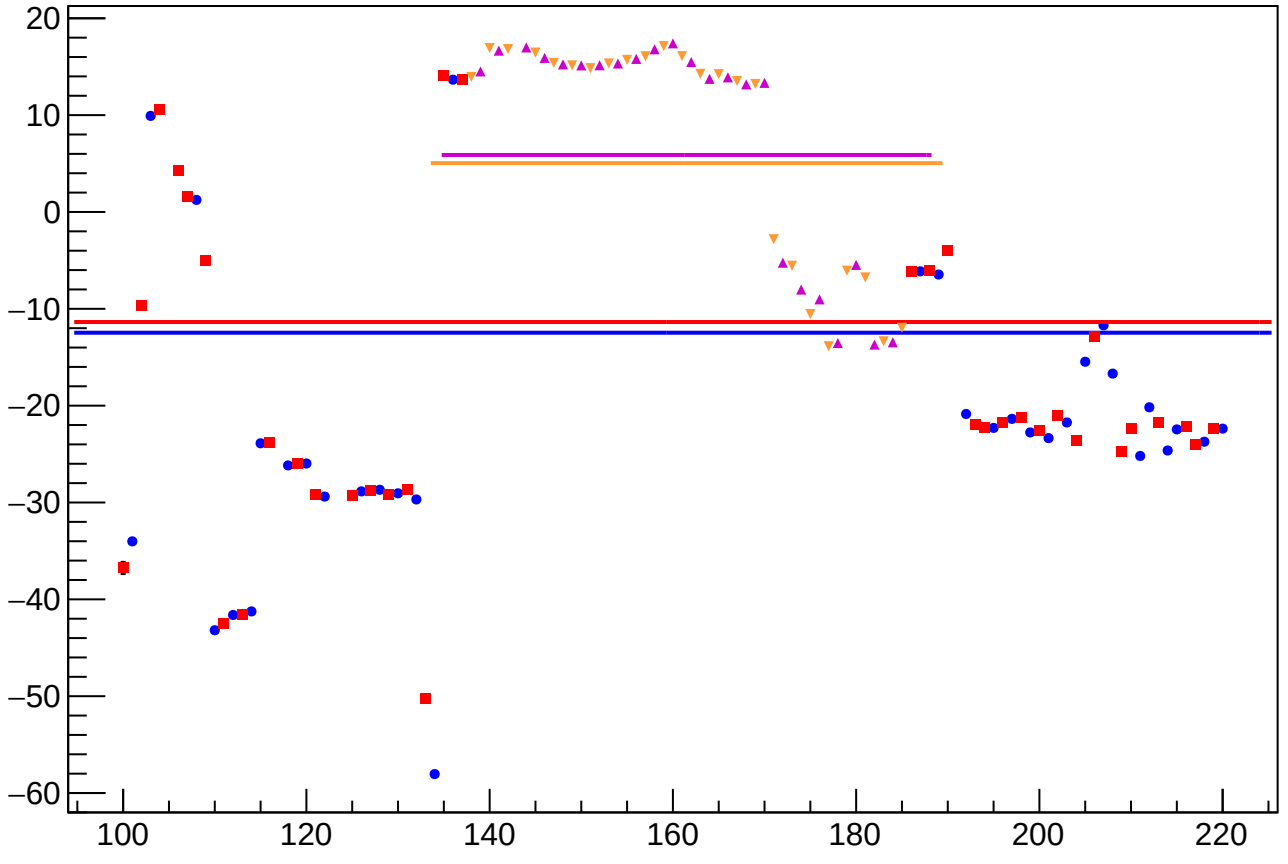
Right Out: 7.516+/-0.479 χ^2/NDF: 2290.9/34

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 3.380+/-0.253 χ^2/NDF: 3298.7/56

All: 3.051+/-0.179 χ^2/NDF: 6737.7/114

- sign 2.724+/-0.253 χ^2/NDF: 3435.6/57



Right In: -12.468+/-0.024 χ^2/NDF: 509046.1/32

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

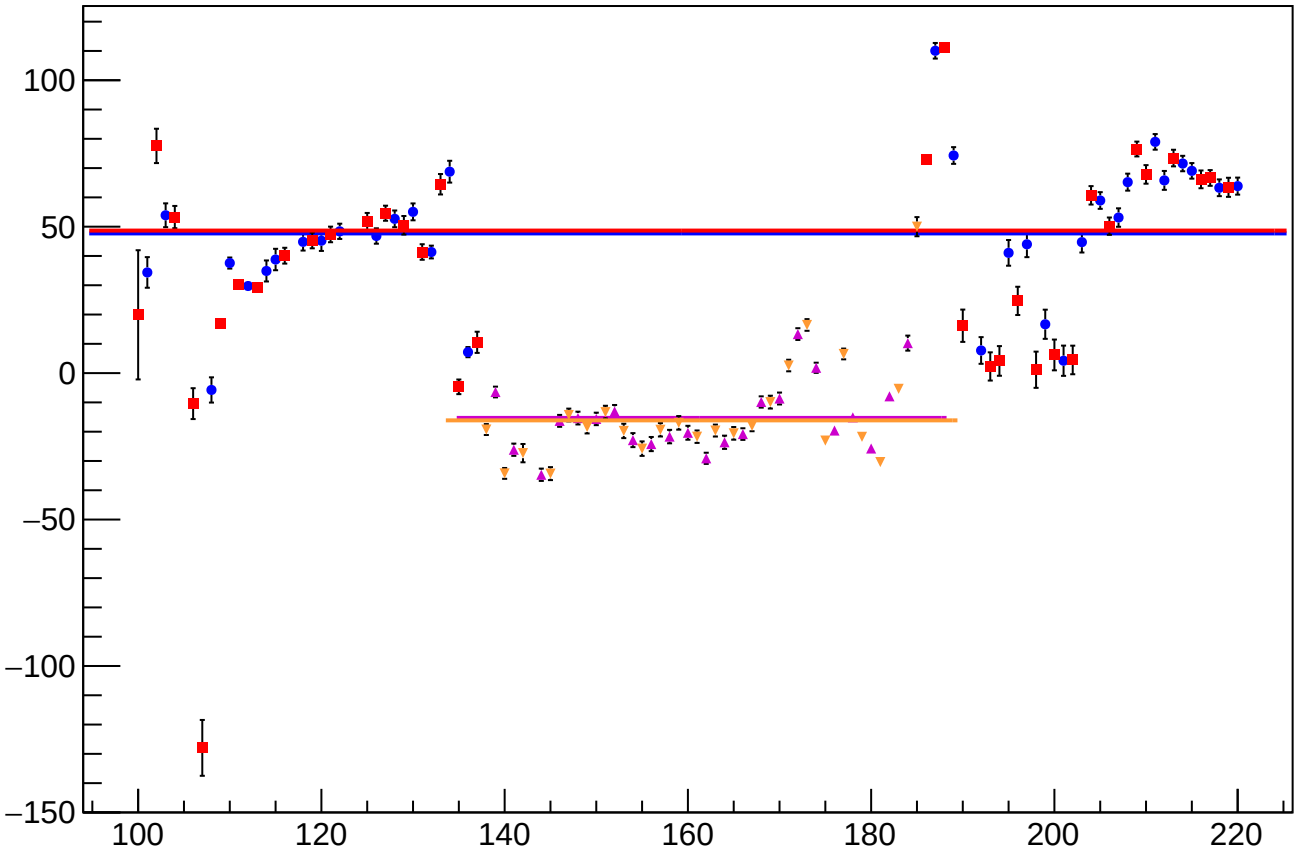
Right Out: -11.363+/-0.023 χ^2/NDF: 429506.2/34

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

\+ sign 0.943+/-0.011 χ^2/NDF: 1785287.6/56

All: 1.315+/-0.008 χ^2/NDF: 3482392.7/114

\- sign 1.686+/-0.011 χ^2/NDF: 1694993.9/57



Right In: 47.698+/-0.500 χ^2/NDF: 2189.3/32

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 48.668+/-0.472 χ^2/NDF: 4487.5/34

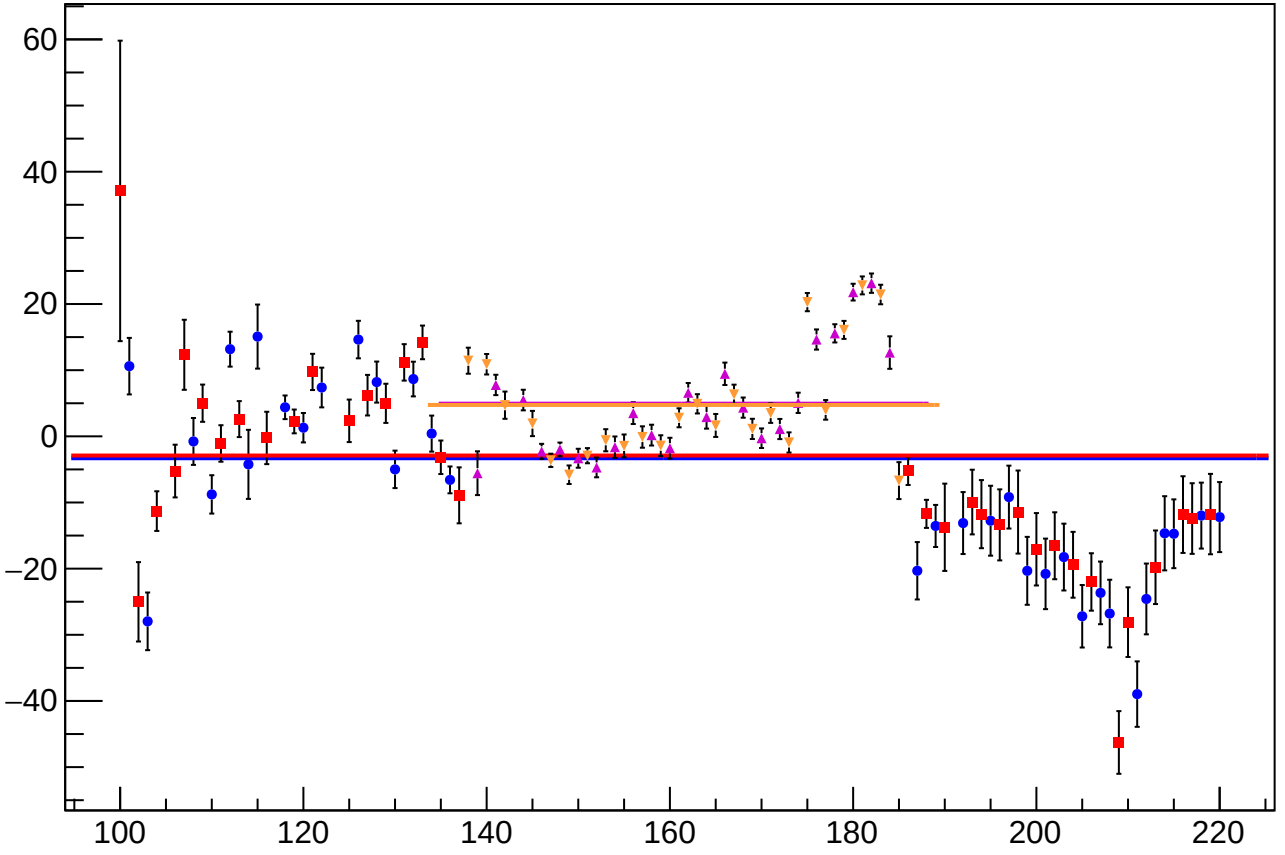
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 8.613+/-0.311 χ^2/NDF: 13530.2/56

All: 10.180+/-0.218 χ^2/NDF: 29448.2/114

- sign 11.698+/-0.307 χ^2/NDF: 15868.2/57

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -3.311+/-0.601 χ^2/NDF: 428.2/32

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

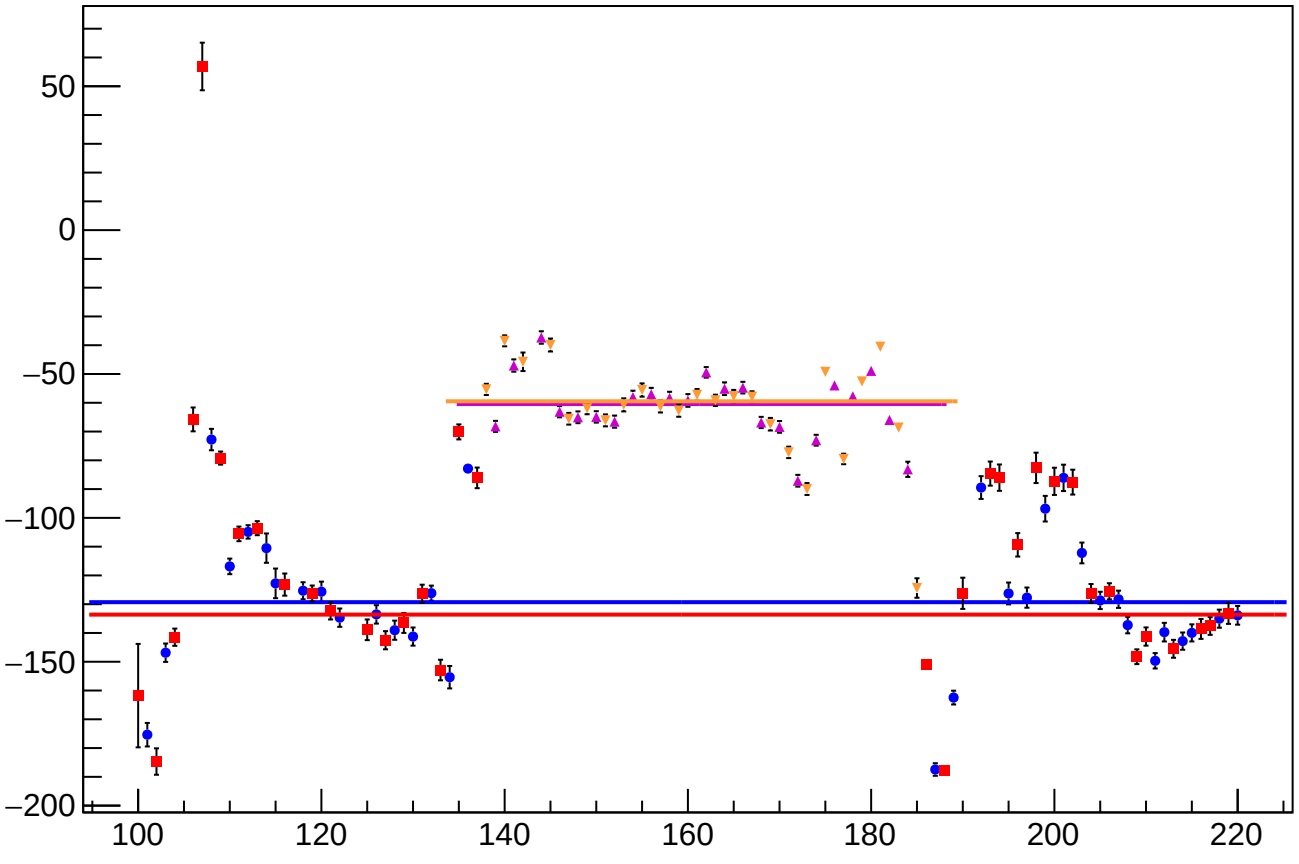
Right Out: -2.902+/-0.584 χ^2/NDF: 367.4/34

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.081+/-0.273 χ^2/NDF: 1364.6/56

All: 3.133+/-0.194 χ^2/NDF: 2560.3/114

- sign 3.185+/-0.276 χ^2/NDF: 1195.7/57



Right In: -129.297+/-0.533 χ^2/NDF: 2590.3/32

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

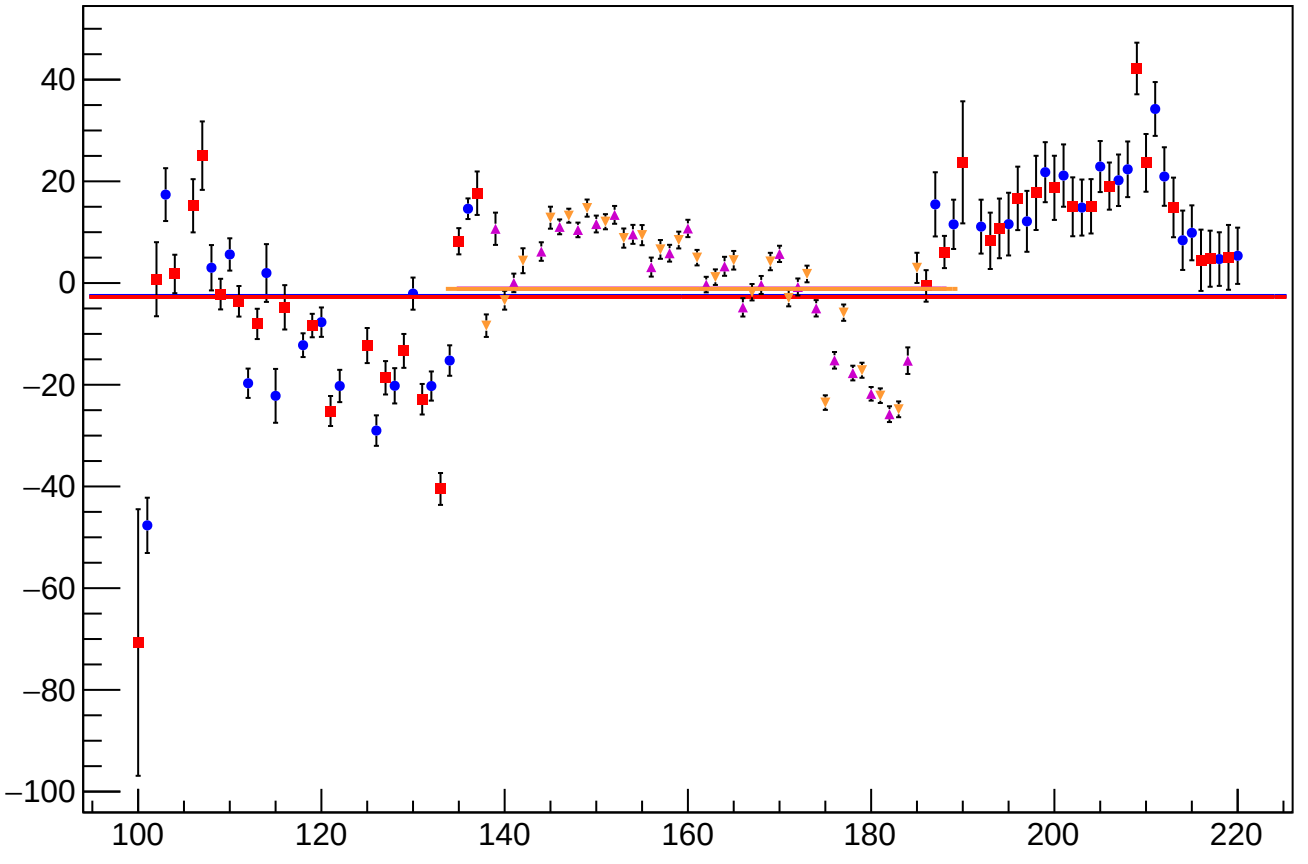
Right Out: -133.620+/-0.494 χ^2/NDF: 5389.1/34

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -84.206+/-0.317 χ^2/NDF: 15030.6/56

All: -86.857+/-0.222 χ^2/NDF: 34503.8/114

\- sign -89.395+/-0.311 χ^2/NDF: 19336.6/57



Right In: -2.540+/-0.684 χ^2/NDF: 645.0/32

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

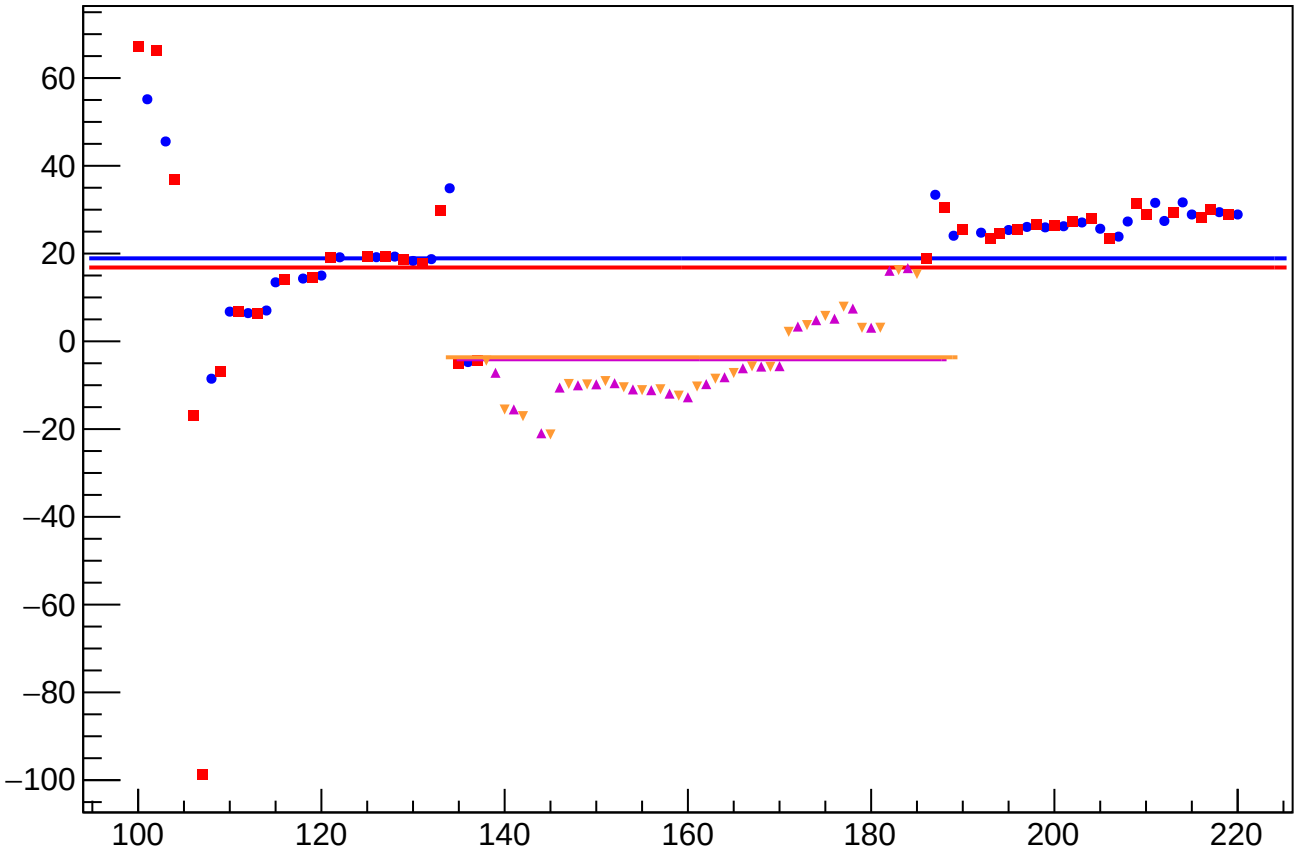
Right Out: -2.740+/-0.680 χ^2/NDF: 584.0/34

Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -1.428+/-0.308 χ^2/NDF: 1951.3/56

All: -1.430+/-0.220 χ^2/NDF: 3697.3/114

- sign -1.432+/-0.312 χ^2/NDF: 1746.0/57



Right In: 18.910+/-0.035 χ^2/NDF: 220973.3/32

Left Out: -3.639+/-0.015 χ^2/NDF:345861.2/23

Right Out: 16.824+/-0.035 χ^2/NDF: 355843.2/34

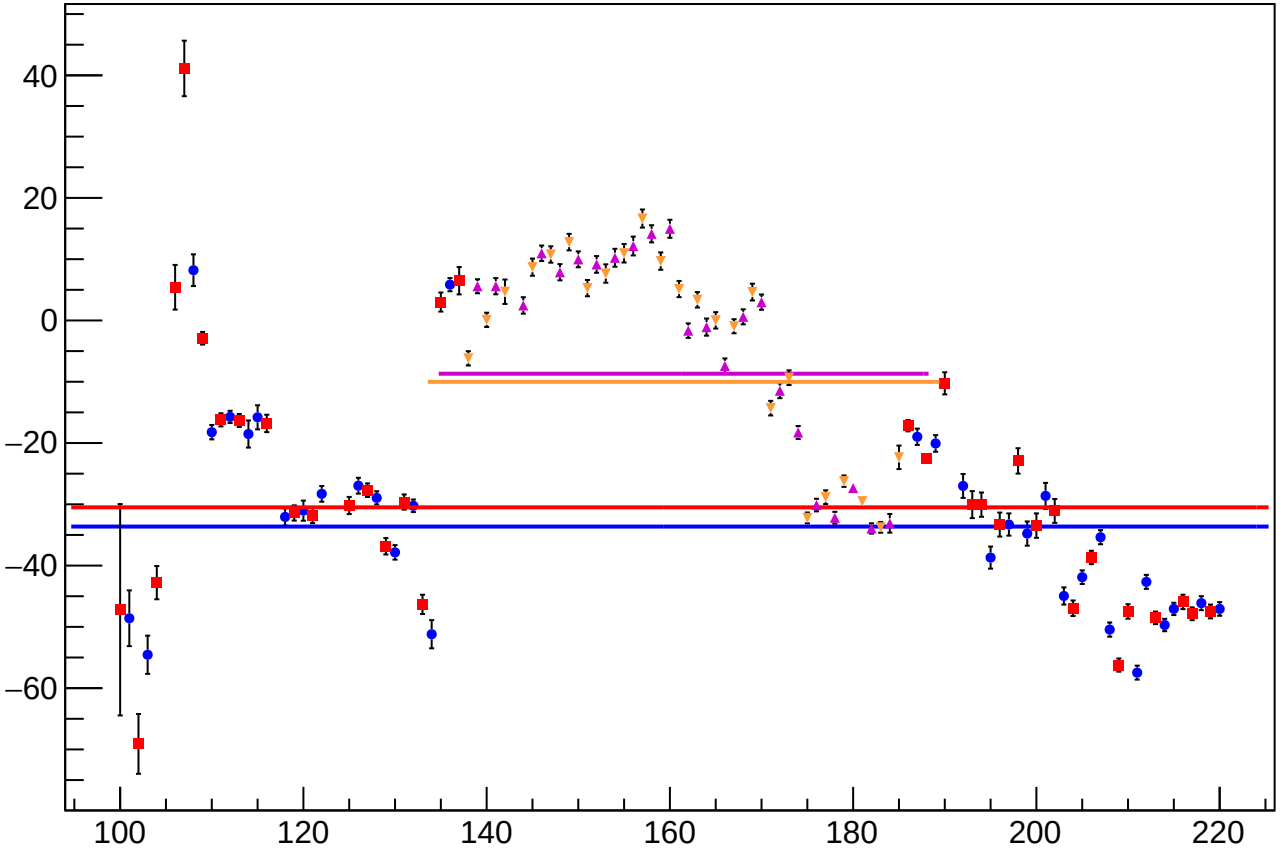
Left In: -4.091+/-0.016 χ^2/NDF:333287.4/22

+ sign 0.108+/-0.014 χ^2/NDF: 920724.9/56

All: -0.278+/-0.010 χ^2/NDF: 1908090.1/114

- sign -0.669+/-0.014 χ^2/NDF: 985858.5/57

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs Slug



Right In: -33.632+/-0.232 χ^2/NDF: 4216.9/32

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

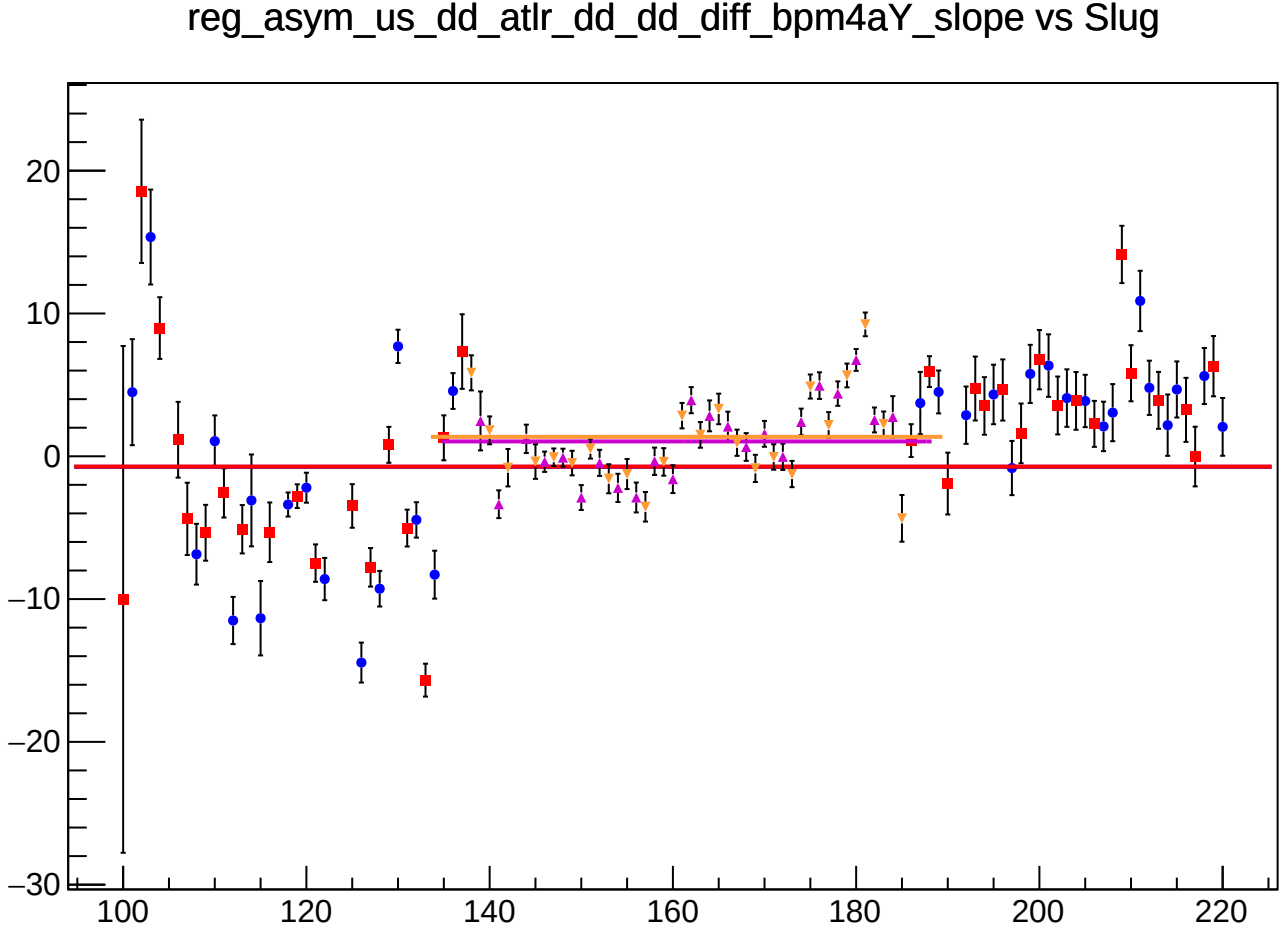
Right Out: -30.496+/-0.227 χ^2/NDF: 4908.9/34

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -22.408+/-0.168 χ^2/NDF: 14098.7/56

All: -21.458+/-0.119 χ^2/NDF: 28298.0/114

- sign -20.518+/-0.168 χ^2/NDF: 14136.0/57



Right In: -0.738+/-0.288 χ^2/NDF: 501.6/32

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

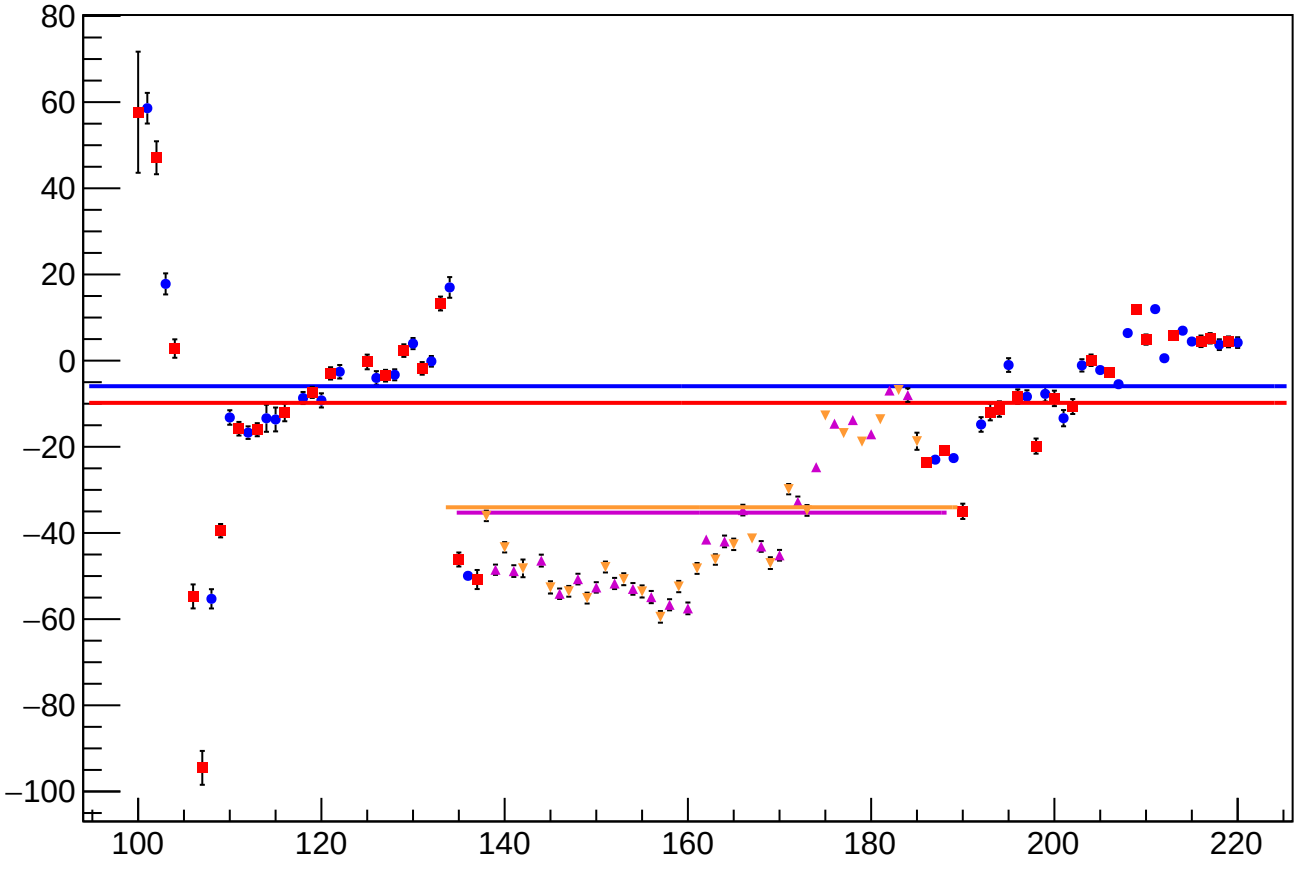
Right Out: -0.725+/-0.283 χ^2/NDF: 482.3/34

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.732+/-0.158 χ^2/NDF: 779.2/56

All: 0.608+/-0.112 χ^2/NDF: 1485.5/114

- sign 0.482+/-0.159 χ^2/NDF: 705.1/57



Right In: -5.936+/-0.245 χ^2/NDF: 4095.9/32

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

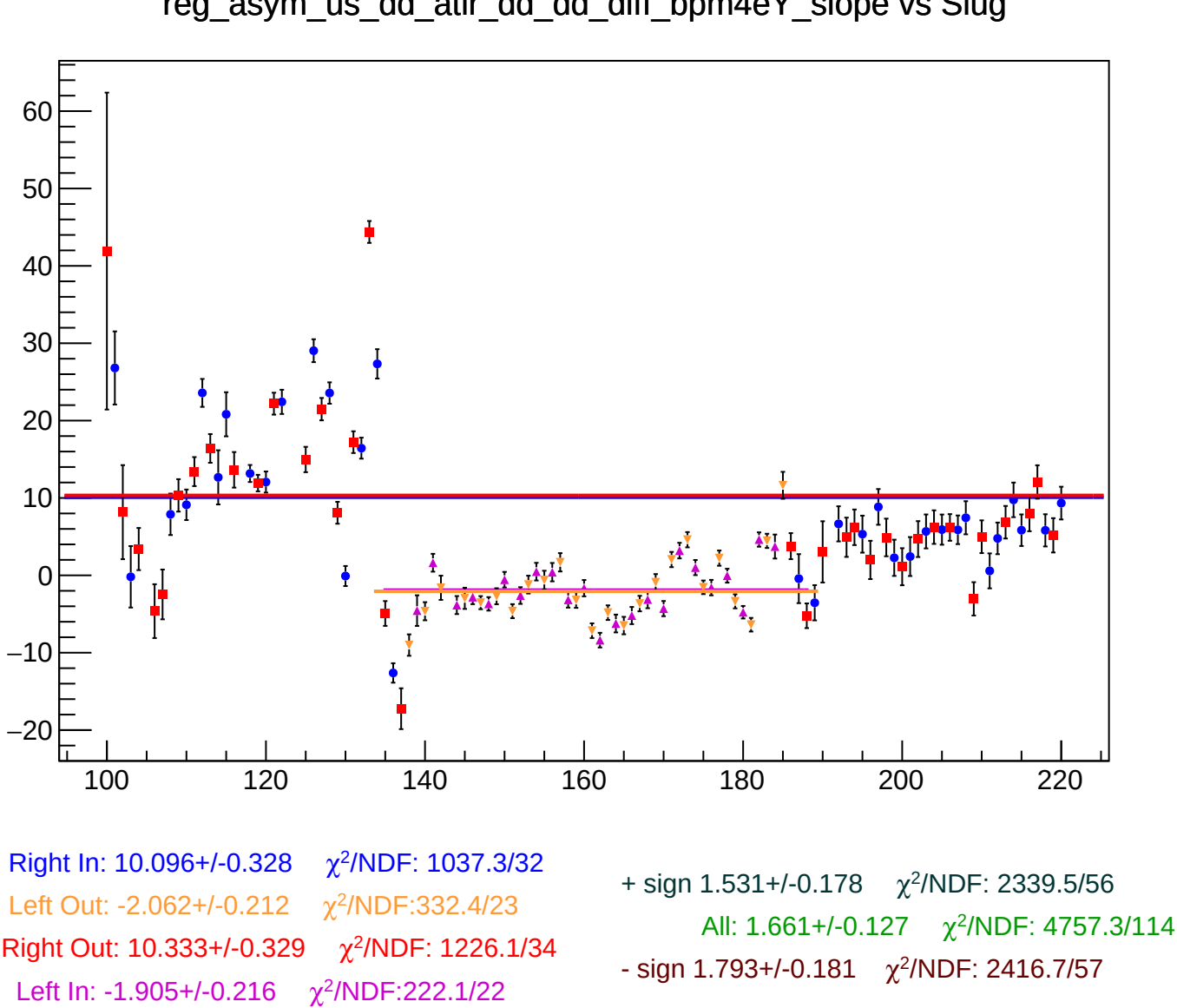
Right Out: -9.802+/-0.234 χ^2/NDF: 4774.9/34

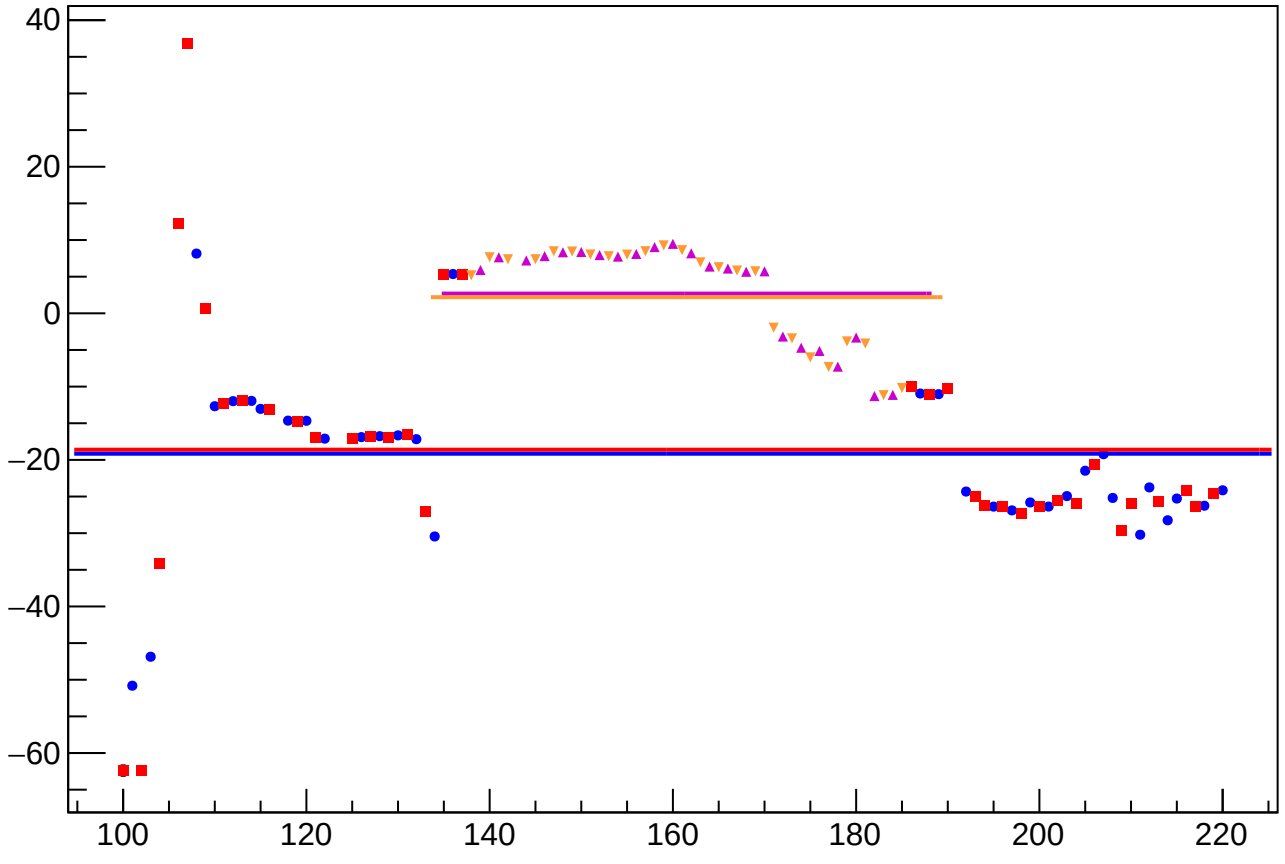
Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

+ sign -20.140+/-0.172 χ^2/NDF: 15699.8/56

All: -21.061+/-0.121 χ^2/NDF: 31170.2/114

- sign -21.951+/-0.169 χ^2/NDF: 15414.3/57


reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs Slug
60
50
40
30
20
10
0
−10
−20
100
120
140
160
180
200
220
Right In: 10.096+/-0.328 χ²/NDF: 1037.3/32
Left Out: -2.062+/-0.212 χ²/NDF:332.4/23
Right Out: 10.333+/-0.329 χ²/NDF: 1226.1/34
Left In: -1.905+/-0.216 χ²/NDF:222.1/22
+ sign 1.531+/-0.178 χ²/NDF: 2339.5/56
All: 1.661+/-0.127 χ²/NDF: 4757.3/114
- sign 1.793+/-0.181 χ²/NDF: 2416.7/57



Right In: -19.158+/-0.016 χ^2/NDF: 536701.5/32

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

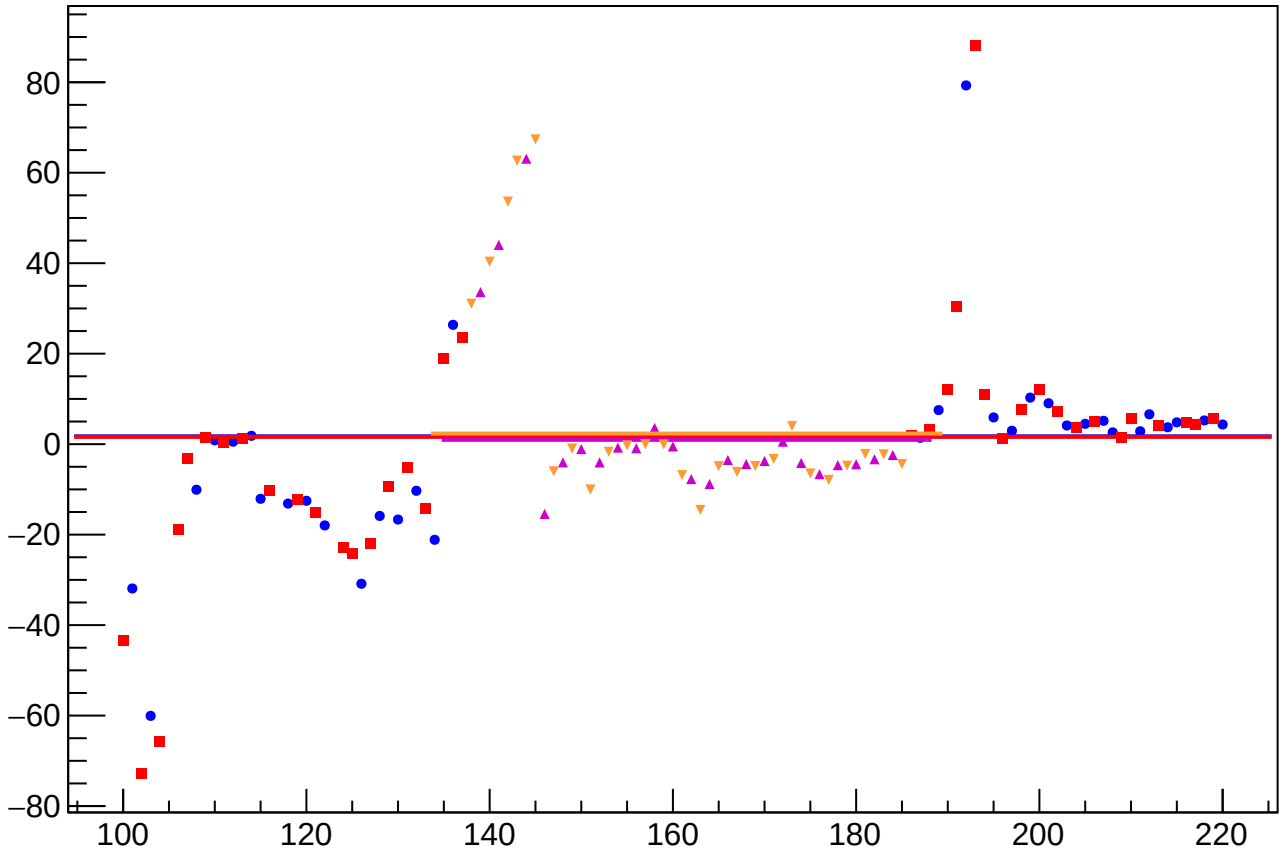
Right Out: -18.608+/-0.017 χ^2/NDF: 617372.7/34

Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

\+ sign -3.115+/-0.008 χ^2/NDF: 2303816.4/56

All: -2.858+/-0.006 χ^2/NDF: 4657017.1/114

\- sign -2.596+/-0.008 χ^2/NDF: 2351225.7/57



Right In: 1.729+/-0.034 χ^2/NDF: 122078.8/32

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 1.620+/-0.031 χ^2/NDF: 122903.0/36

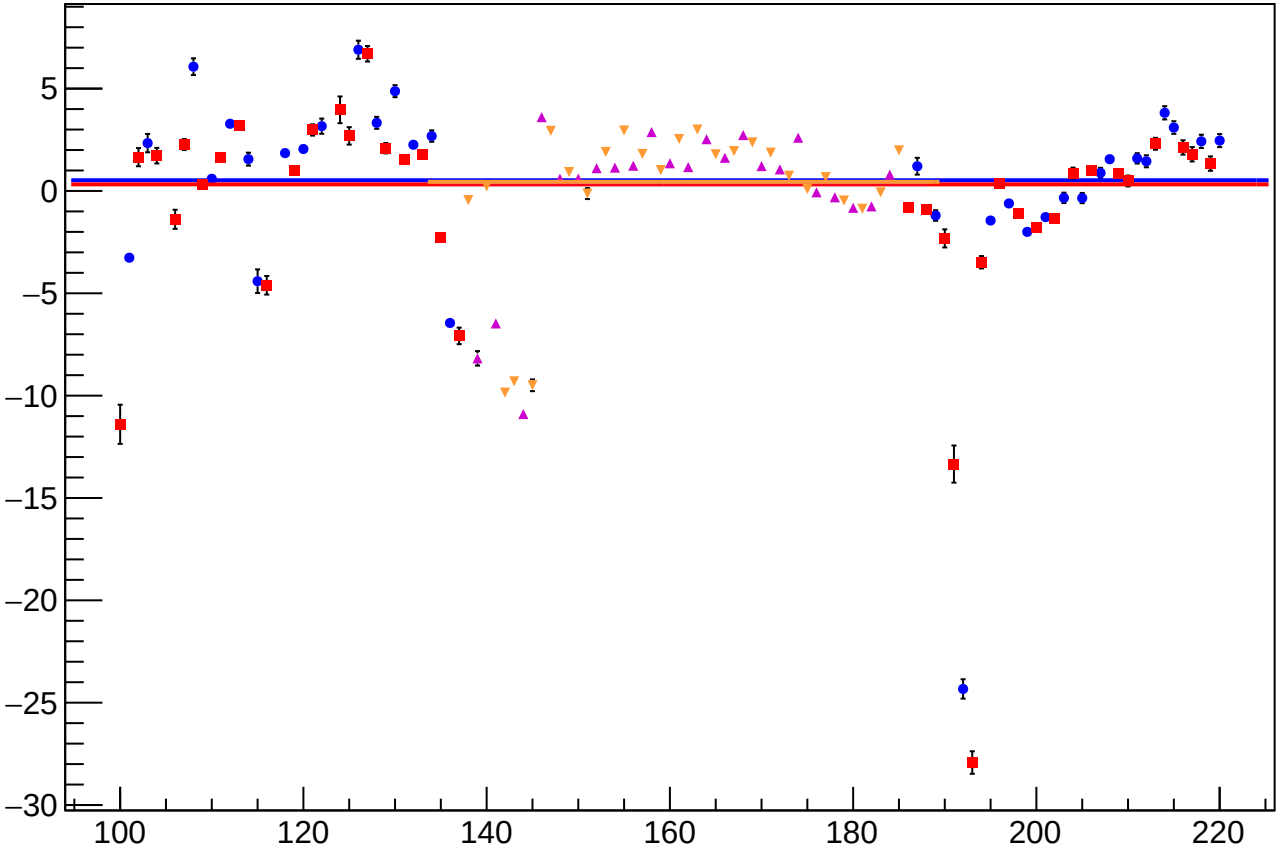
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 1.982+/-0.026 χ^2/NDF: 299200.7/57

All: 1.660+/-0.018 χ^2/NDF: 555089.8/117

- sign 1.368+/-0.025 χ^2/NDF: 255593.8/59

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.522+/-0.044 χ^2/NDF: 6168.5/32

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.321+/-0.042 χ^2/NDF: 5206.6/36

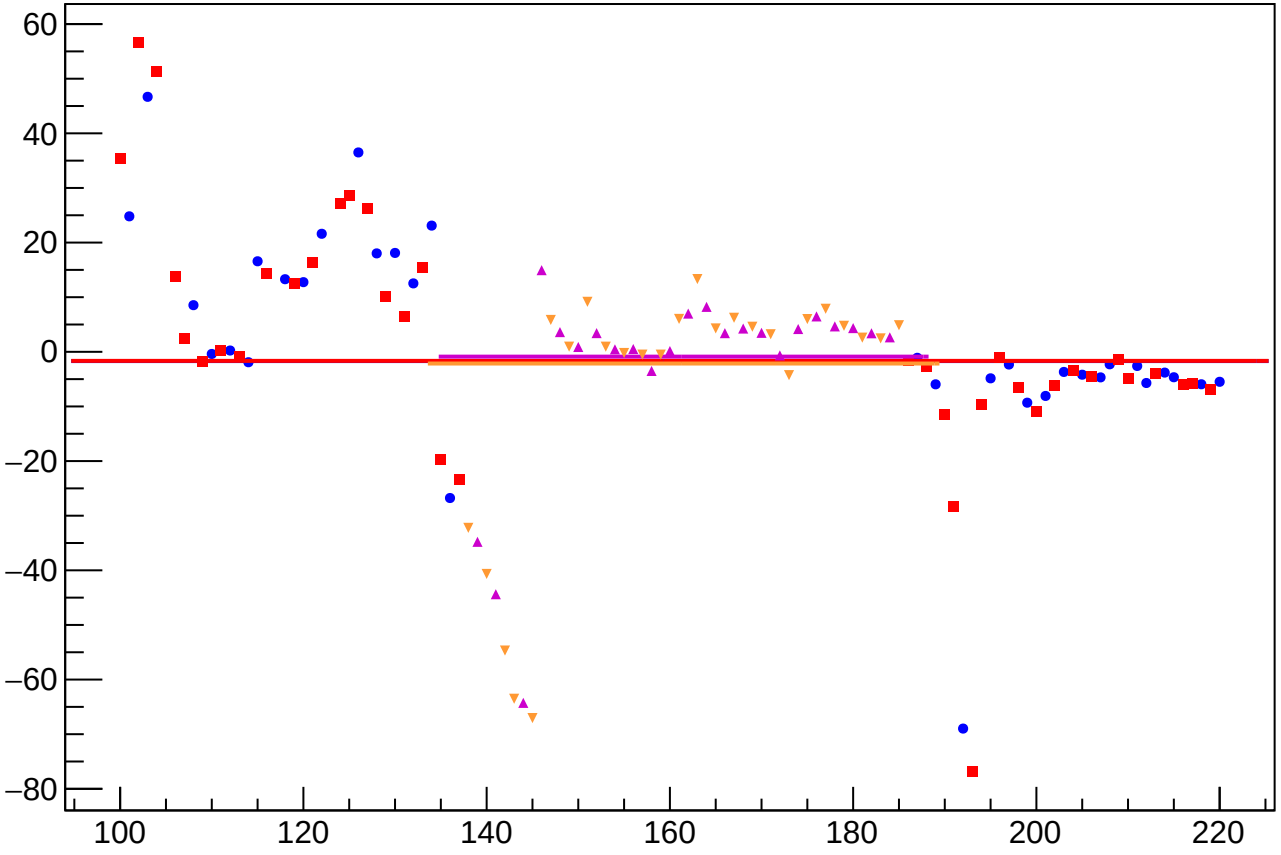
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.474+/-0.026 χ^2/NDF: 13214.8/57

All: 0.430+/-0.018 χ^2/NDF: 25533.3/117

- sign 0.389+/-0.025 χ^2/NDF: 12313.0/59

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -1.693+/-0.035 χ^2/NDF: 120607.7/32

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -1.657+/-0.033 χ^2/NDF: 121410.1/36

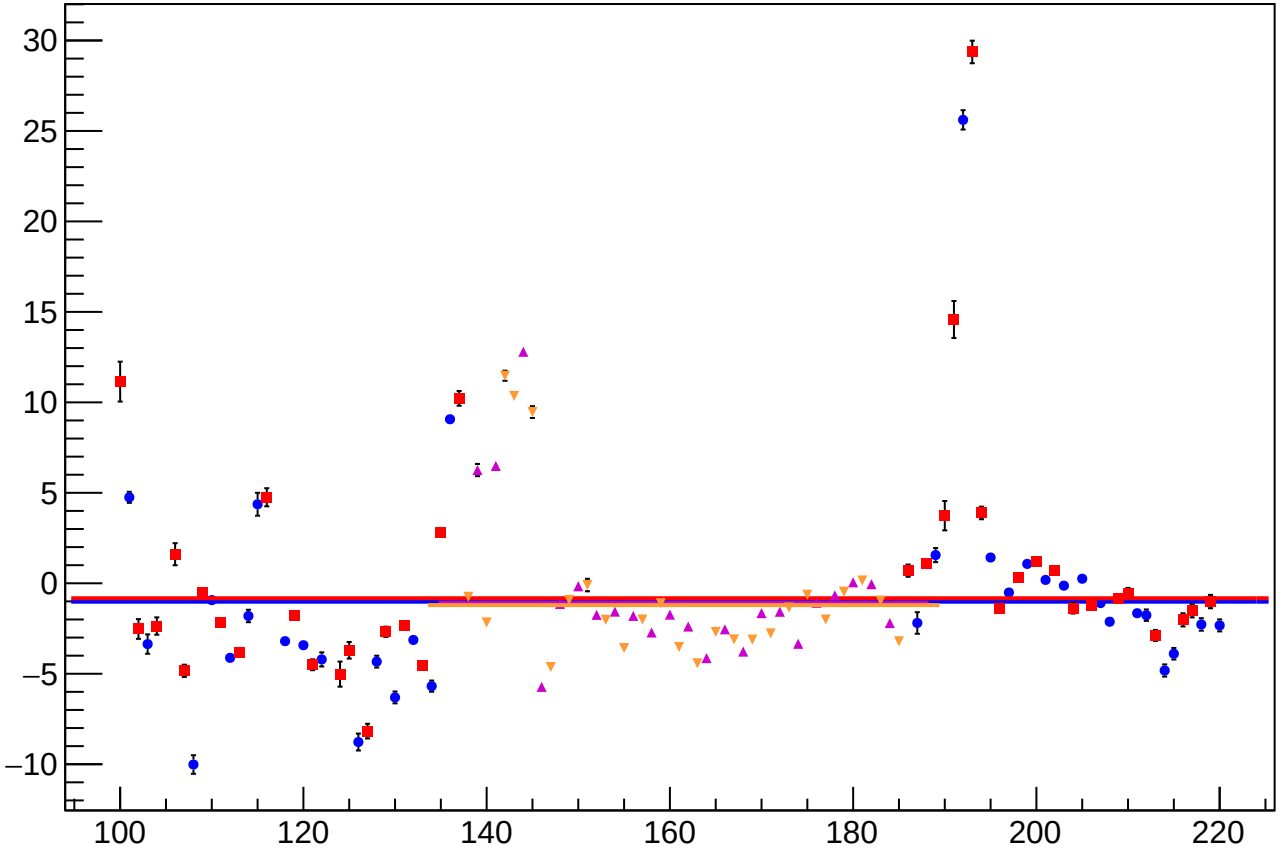
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -1.888+/-0.026 χ^2/NDF: 291949.7/57

All: -1.600+/-0.018 χ^2/NDF: 543012.4/117

- sign -1.335+/-0.025 χ^2/NDF: 250835.4/59

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -1.016+/-0.050 χ^2/NDF: 7630.6/32

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

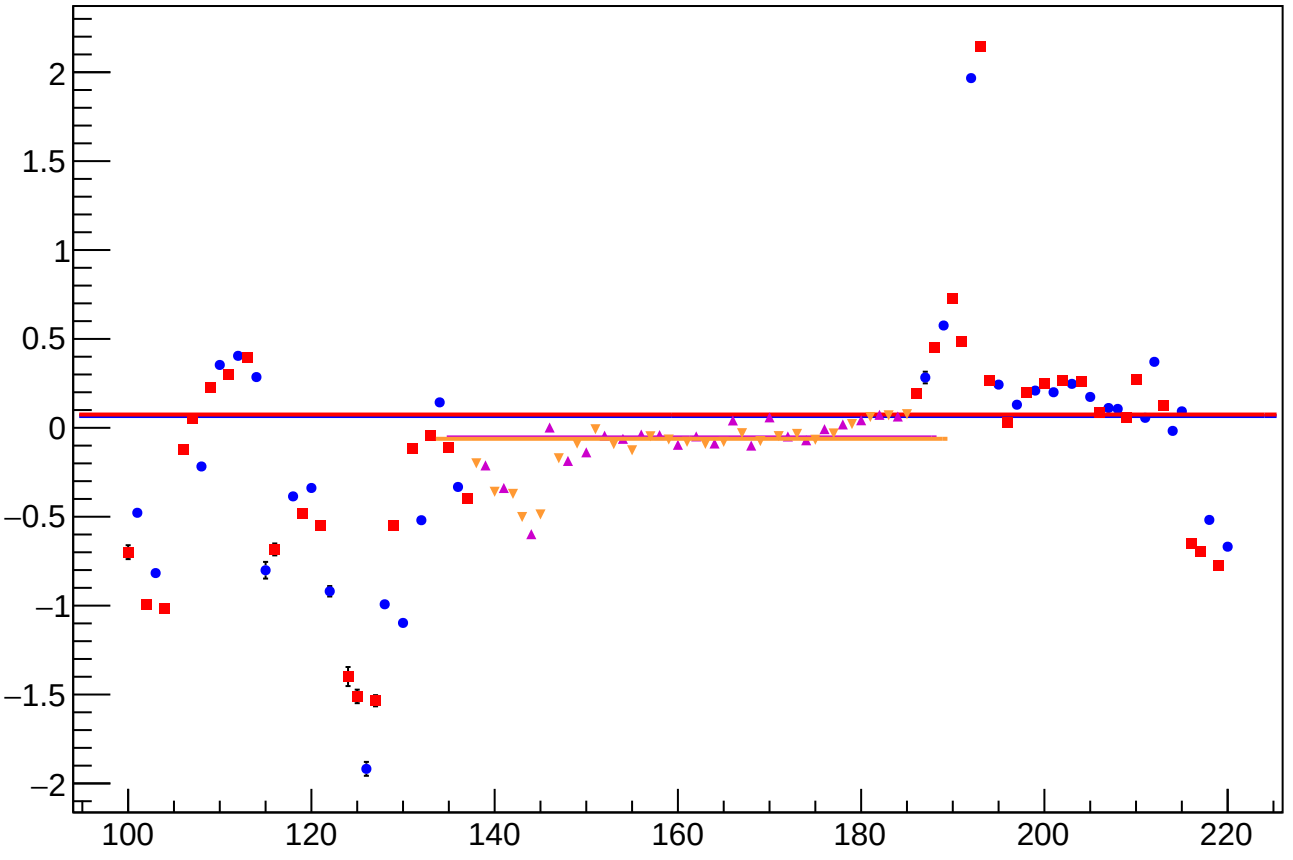
Right Out: -0.827+/-0.048 χ^2/NDF: 5674.9/36

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.140+/-0.029 χ^2/NDF: 14643.2/57

All: -1.068+/-0.020 χ^2/NDF: 27379.1/117

- sign -1.002+/-0.028 χ^2/NDF: 12724.3/59



Right In: 0.066+/-0.002 χ^2/NDF: 36697.7/32

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.075+/-0.002 χ^2/NDF: 38970.6/36

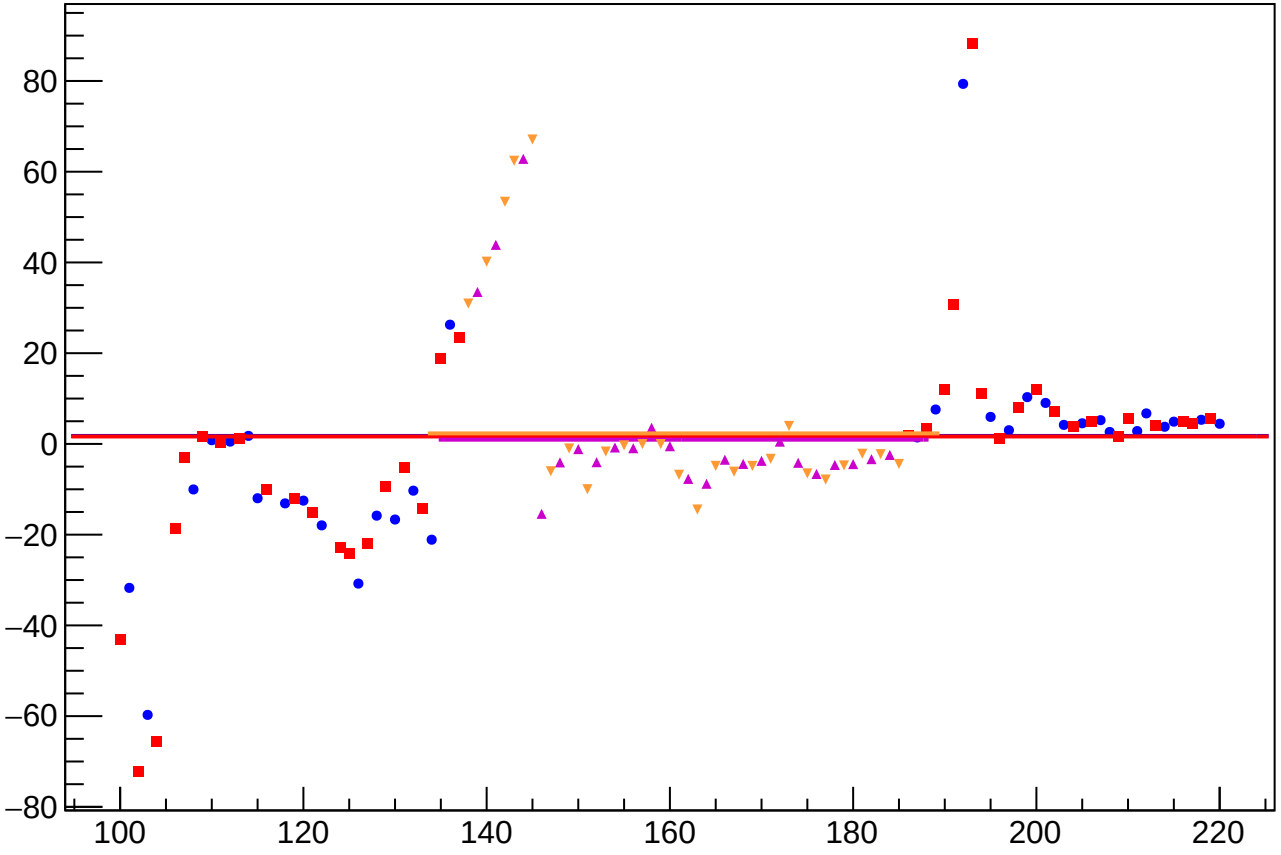
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.019+/-0.001 χ^2/NDF: 44577.2/57

All: -0.016+/-0.001 χ^2/NDF: 90911.3/117

- sign -0.014+/-0.001 χ^2/NDF: 46324.5/59

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 1.757+/-0.034 χ^2/NDF: 122675.6/32

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 1.646+/-0.031 χ^2/NDF: 123540.5/36

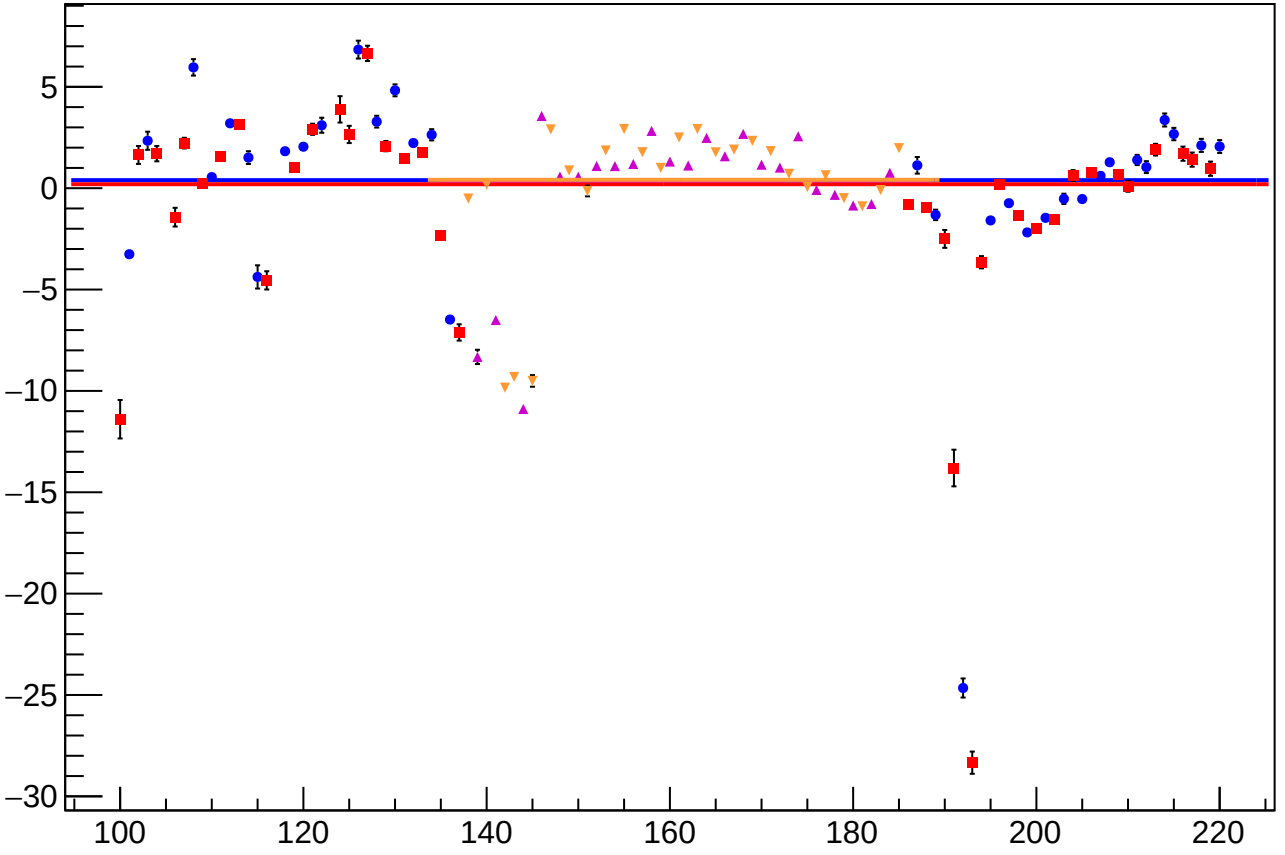
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 1.988+/-0.026 χ^2/NDF: 299536.8/57

All: 1.667+/-0.018 χ^2/NDF: 555976.4/117

- sign 1.377+/-0.024 χ^2/NDF: 256143.8/59

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.397+/-0.043 χ^2/NDF: 6228.7/32

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.196+/-0.042 χ^2/NDF: 5335.6/36

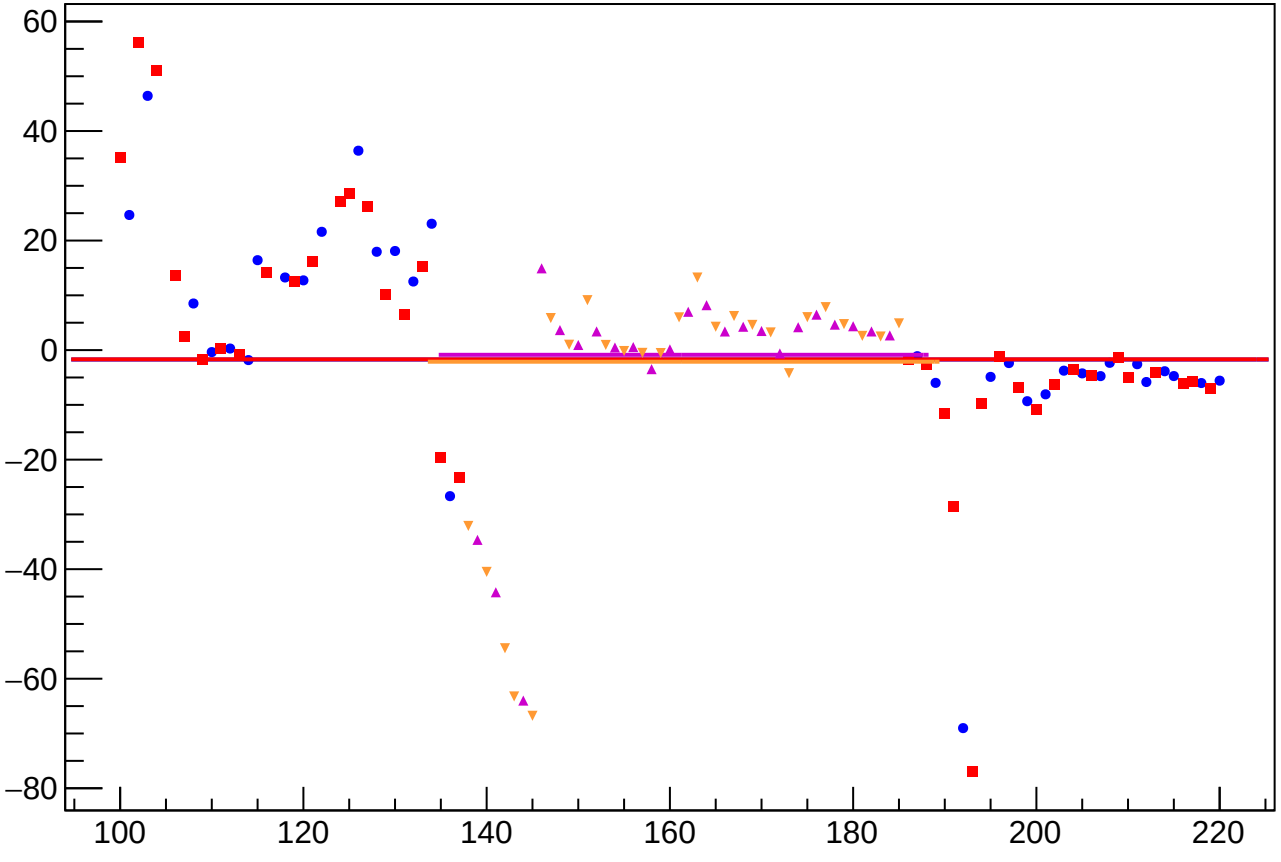
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.408+/-0.026 χ^2/NDF: 13276.1/57

All: 0.362+/-0.018 χ^2/NDF: 25745.5/117

- sign 0.319+/-0.025 χ^2/NDF: 12463.5/59

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -1.725+/-0.035 χ^2/NDF: 121154.8/32

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -1.687+/-0.033 χ^2/NDF: 122009.1/36

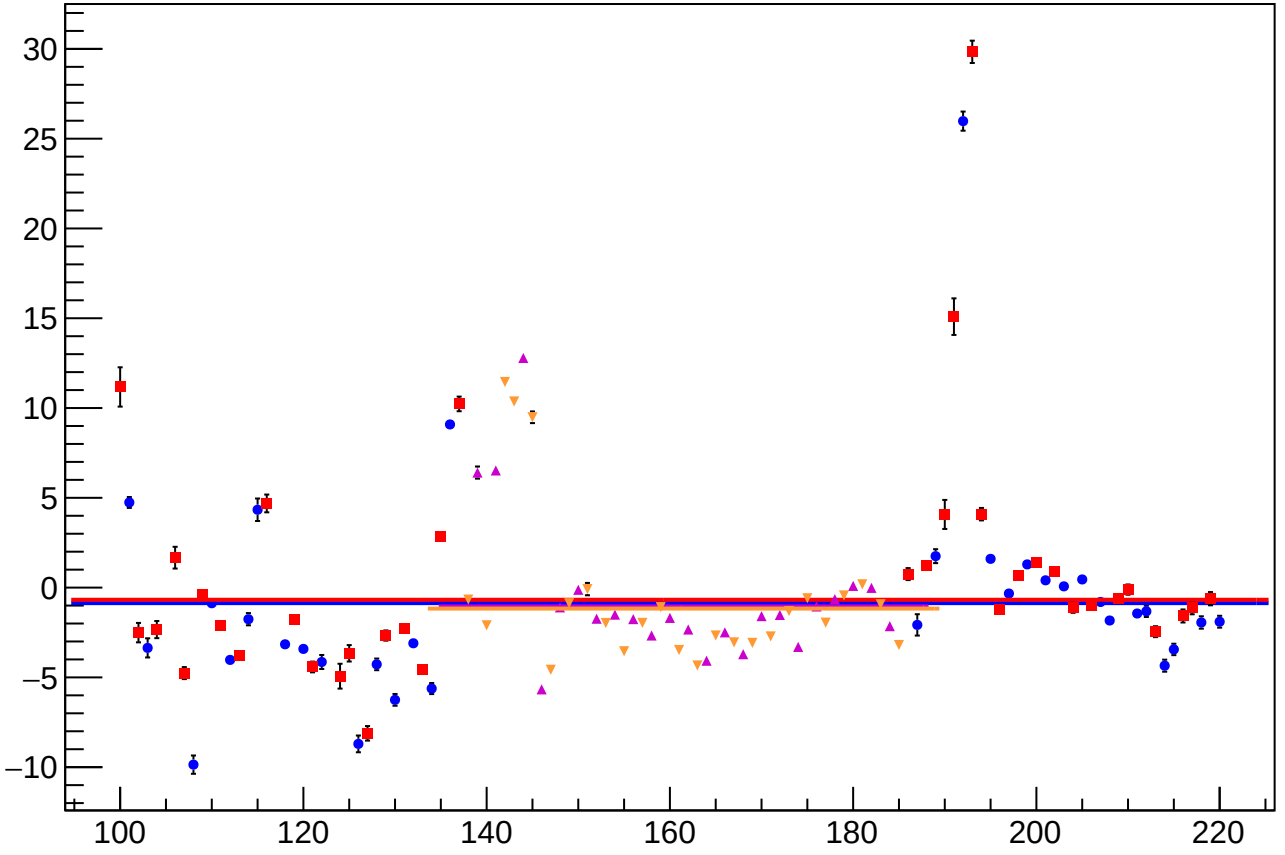
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

\+ sign -1.895+/-0.026 χ^2/NDF: 292249.4/57

All: -1.608+/-0.018 χ^2/NDF: 543832.8/117

\- sign -1.345+/-0.025 χ^2/NDF: 251355.7/59

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.865+/-0.049 χ^2/NDF: 7683.2/32

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.677+/-0.048 χ^2/NDF: 5813.0/36

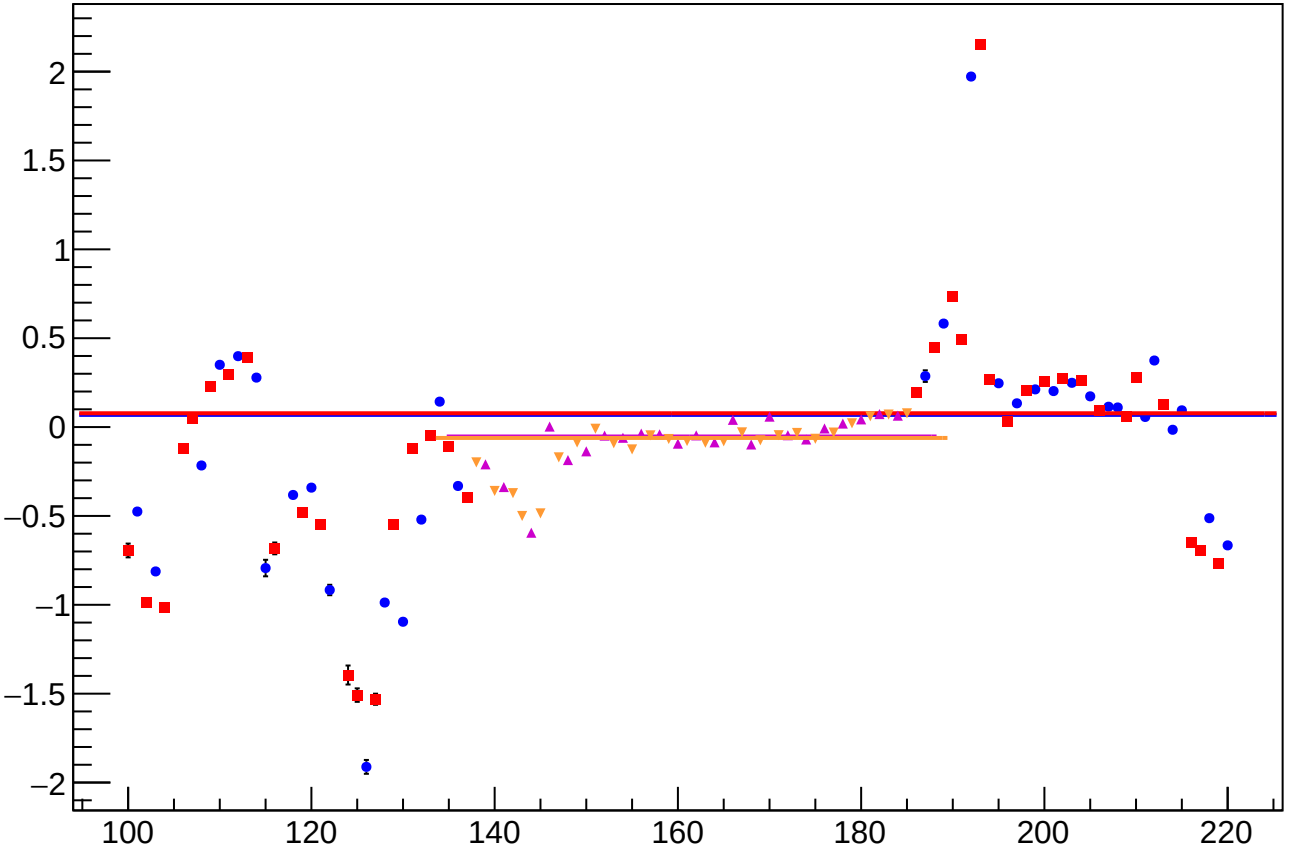
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -1.062+/-0.029 χ^2/NDF: 14708.9/57

All: -0.988+/-0.020 χ^2/NDF: 27614.3/117

- sign -0.920+/-0.028 χ^2/NDF: 12893.1/59

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.069+/-0.002 χ^2/NDF: 36982.6/32

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.078+/-0.002 χ^2/NDF: 39313.8/36

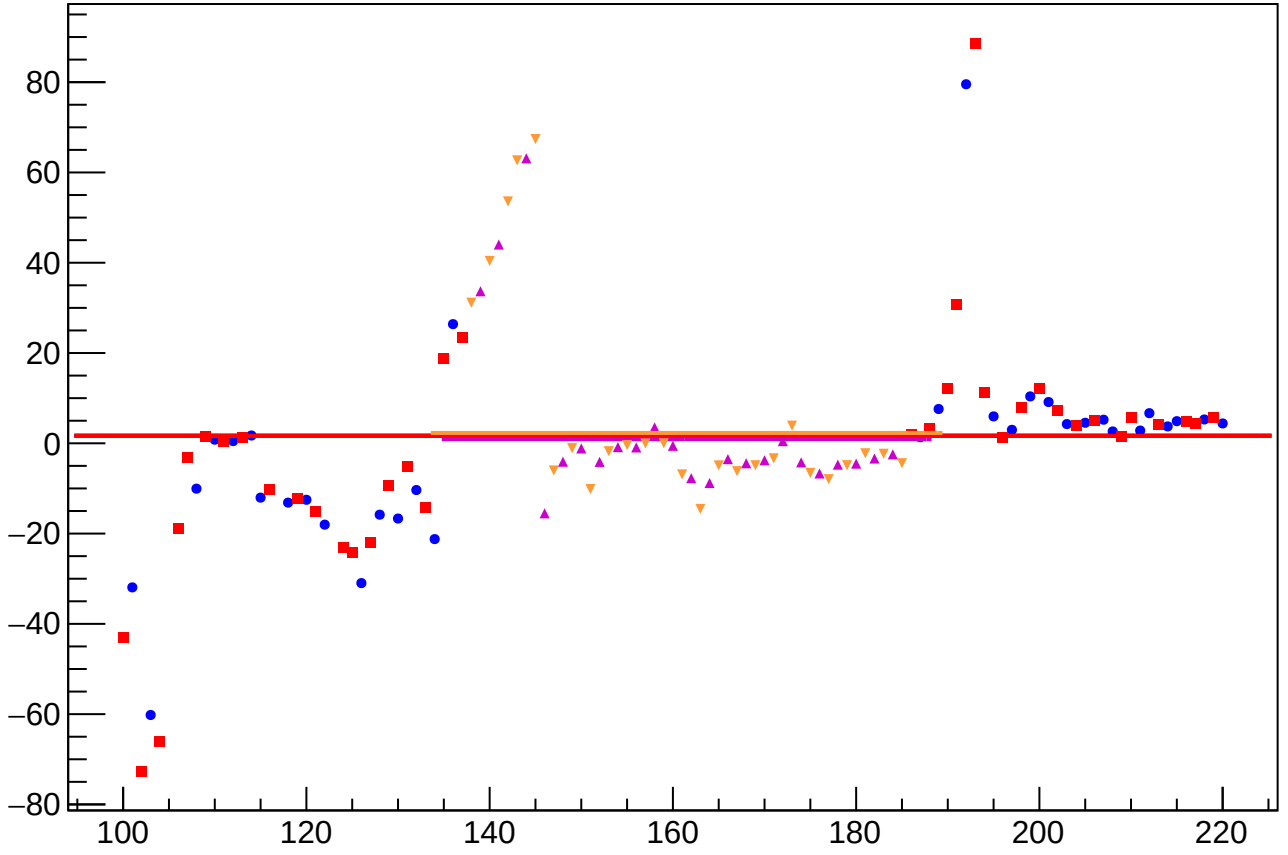
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.018+/-0.001 χ^2/NDF: 44960.0/57

All: -0.015+/-0.001 χ^2/NDF: 91711.8/117

- sign -0.012+/-0.001 χ^2/NDF: 46740.6/59

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 1.727+/-0.034 χ^2/NDF: 122682.5/32

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 1.617+/-0.031 χ^2/NDF: 123518.9/36

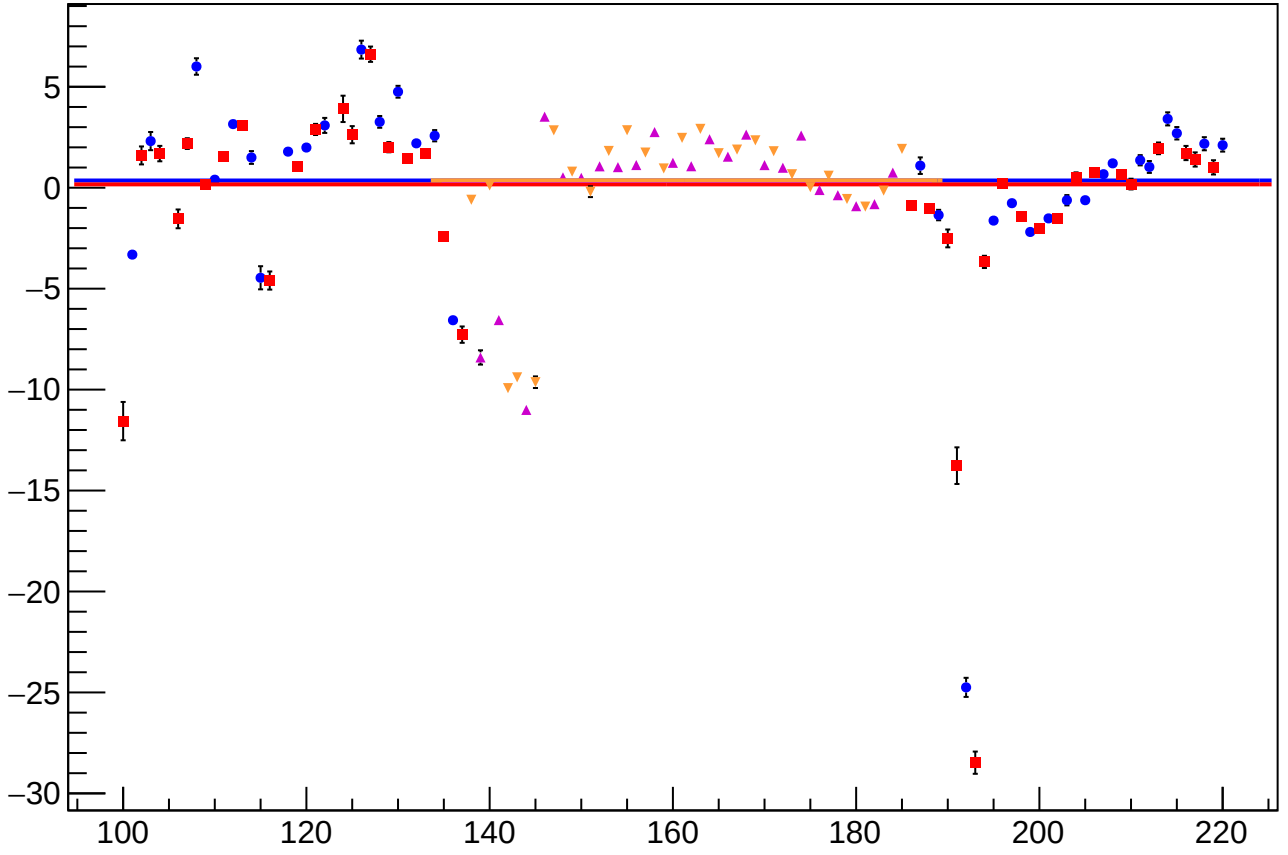
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 1.962+/-0.026 χ^2/NDF: 299985.8/57

All: 1.640+/-0.018 χ^2/NDF: 556565.0/117

- sign 1.350+/-0.025 χ^2/NDF: 256285.7/59

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.358+/-0.044 χ^2/NDF: 6228.8/32

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.166+/-0.042 χ^2/NDF: 5335.3/36

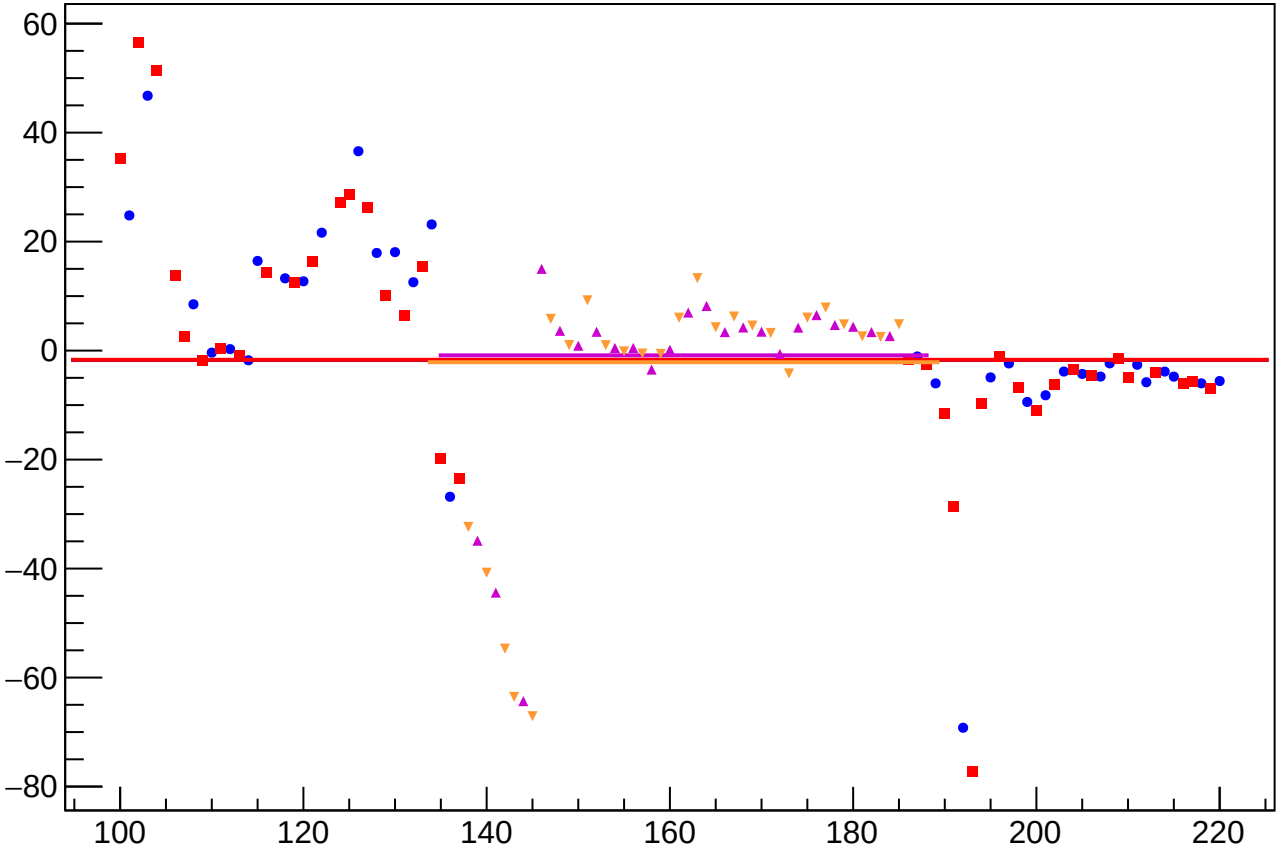
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.364+/-0.026 χ^2/NDF: 13296.8/57

All: 0.318+/-0.018 χ^2/NDF: 25742.9/117

- sign 0.275+/-0.025 χ^2/NDF: 12440.2/59

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -1.727+/-0.035 χ^2/NDF: 121181.9/32

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -1.688+/-0.033 χ^2/NDF: 122018.1/36

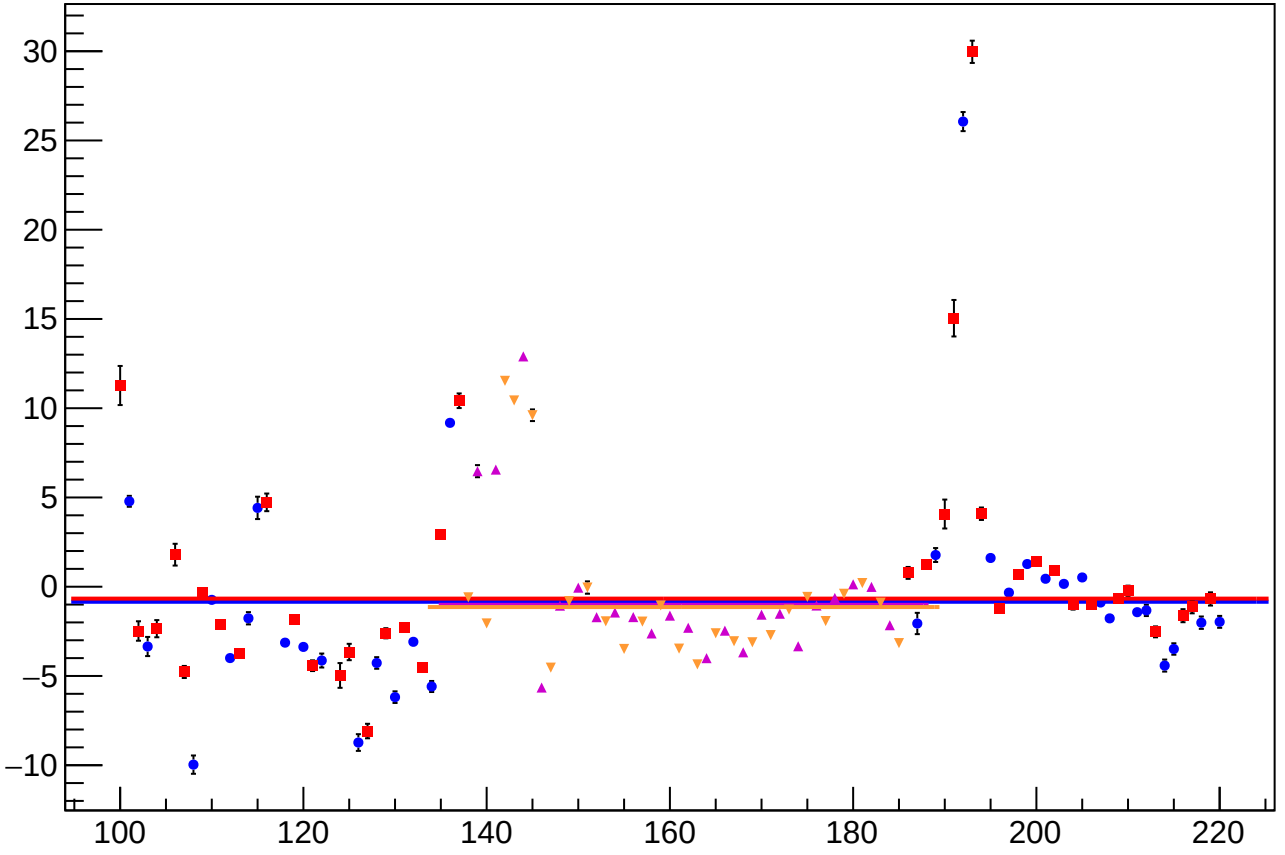
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -1.903+/-0.027 χ^2/NDF: 292706.3/57

All: -1.614+/-0.018 χ^2/NDF: 544466.9/117

- sign -1.350+/-0.025 χ^2/NDF: 251533.2/59

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.843+/-0.050 χ^2/NDF: 7688.8/32

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.667+/-0.048 χ^2/NDF: 5820.3/36

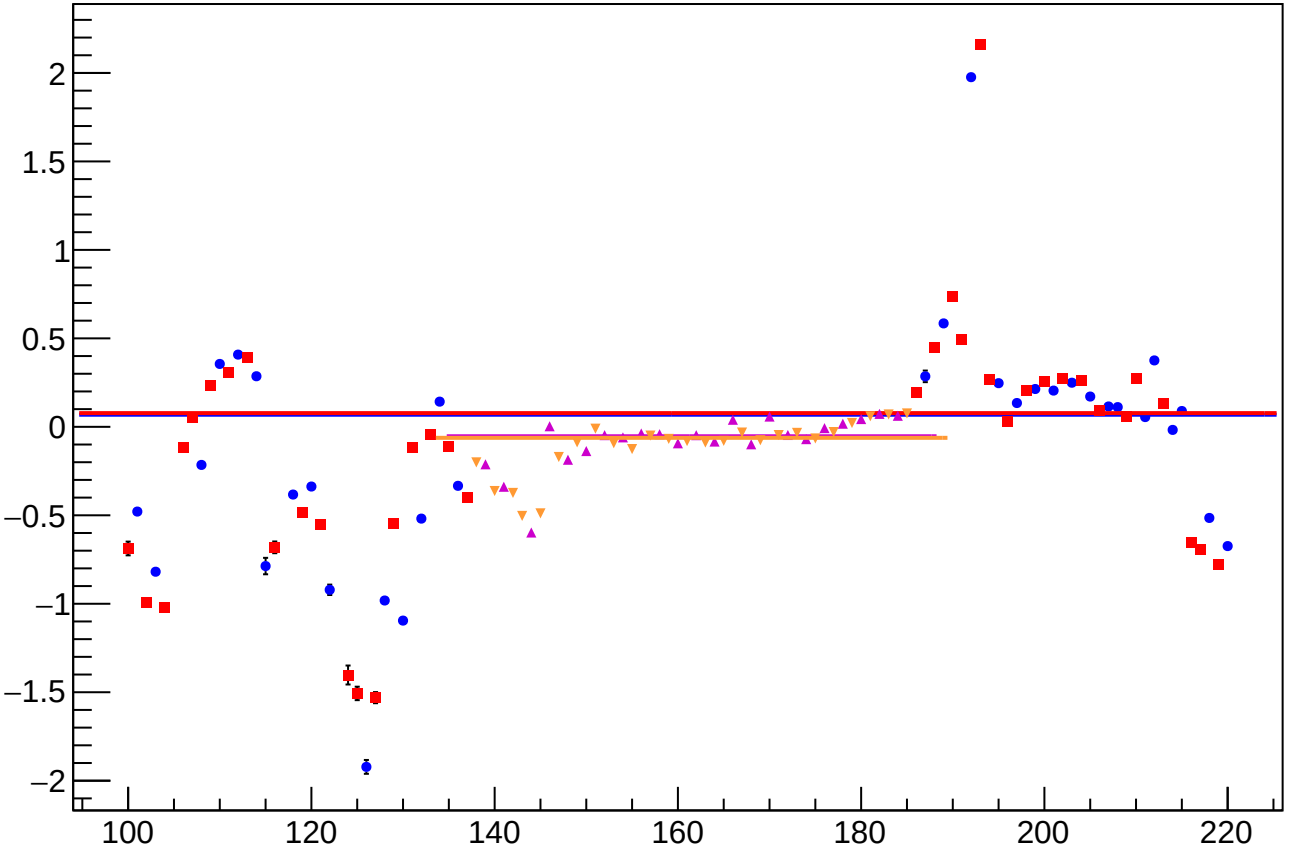
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -1.037+/-0.029 χ^2/NDF: 14734.9/57

All: -0.962+/-0.020 χ^2/NDF: 27628.7/117

- sign -0.894+/-0.028 χ^2/NDF: 12881.6/59

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.068+/-0.002 χ^2/NDF: 36978.8/32

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.078+/-0.002 χ^2/NDF: 39253.3/36

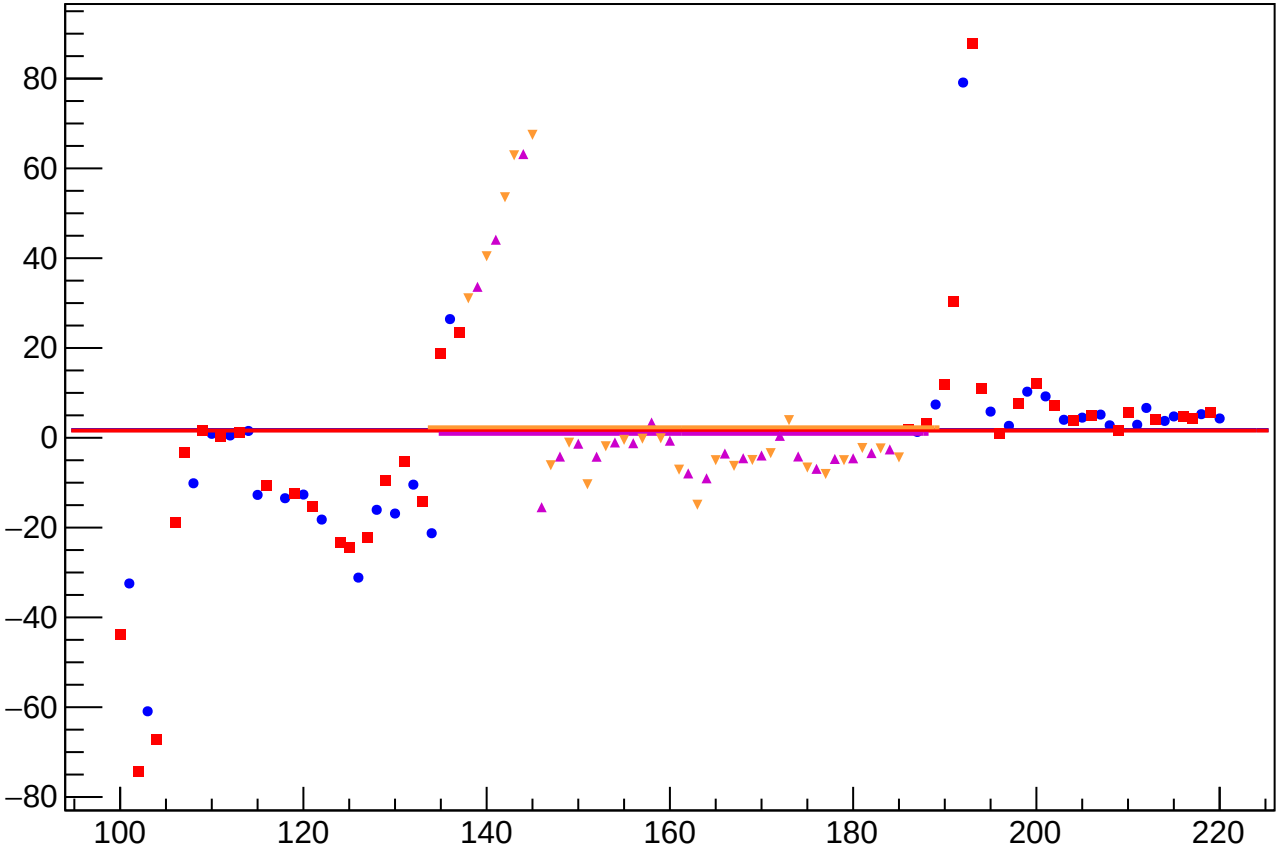
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.019+/-0.001 χ^2/NDF: 44965.7/57

All: -0.015+/-0.001 χ^2/NDF: 91623.2/117

- sign -0.012+/-0.001 χ^2/NDF: 46644.7/59

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 1.719+/-0.034 χ^2/NDF: 120764.2/32

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 1.619+/-0.032 χ^2/NDF: 121854.7/36

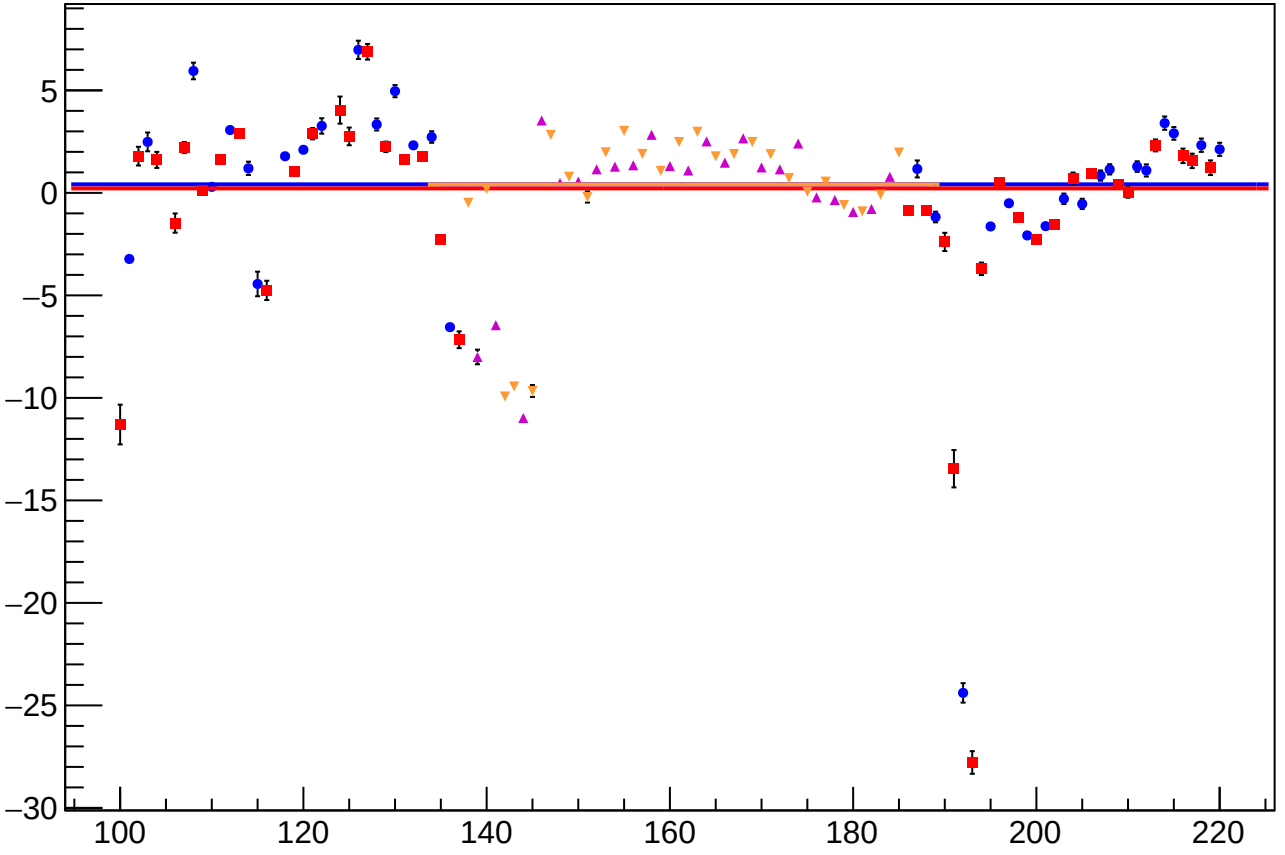
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 1.969+/-0.026 χ^2/NDF: 295541.8/57

All: 1.641+/-0.018 χ^2/NDF: 548312.1/117

- sign 1.343+/-0.025 χ^2/NDF: 252472.9/59

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.416+/-0.044 χ^2/NDF: 6066.3/32

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.218+/-0.042 χ^2/NDF: 5160.1/36

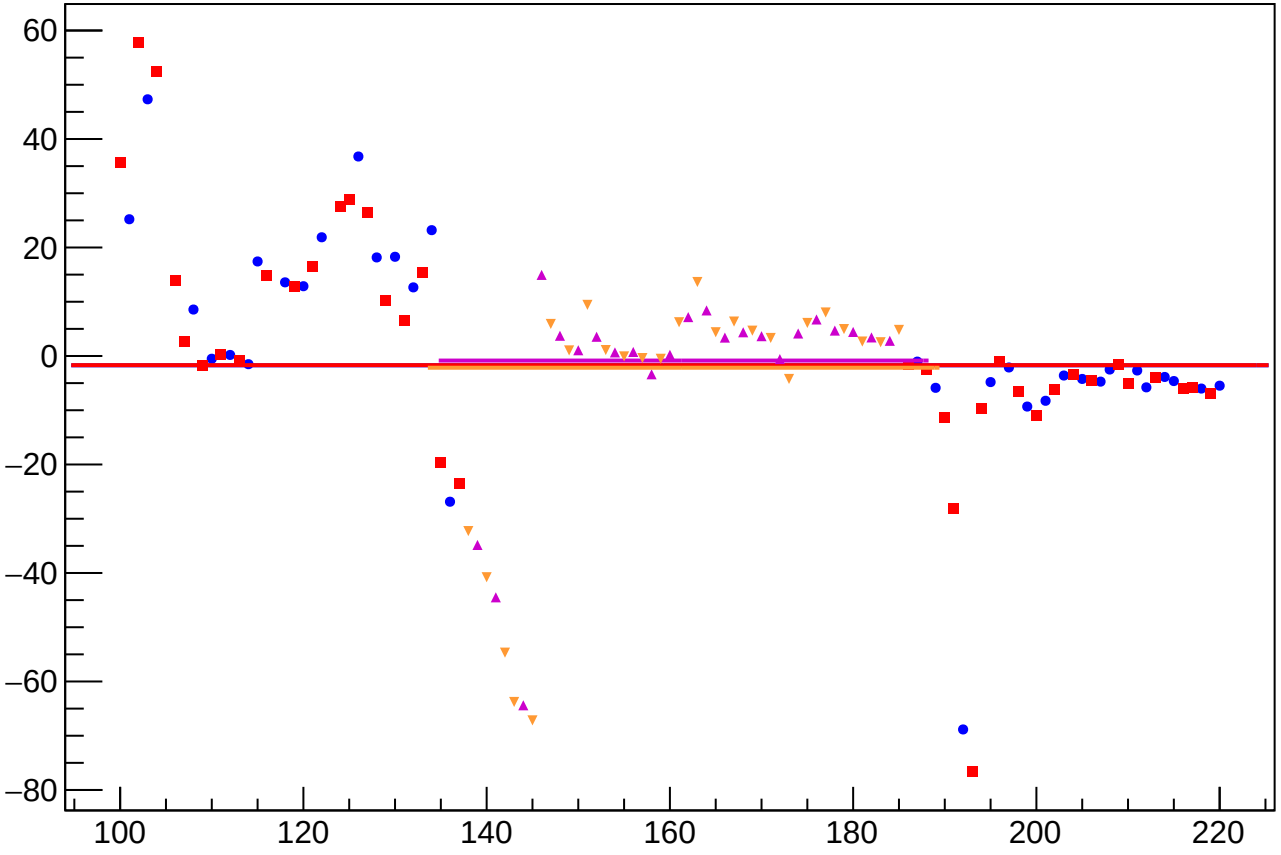
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.412+/-0.027 χ^2/NDF: 13114.2/57

All: 0.370+/-0.018 χ^2/NDF: 25222.3/117

- sign 0.331+/-0.026 χ^2/NDF: 12103.4/59

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -1.721+/-0.036 χ^2/NDF: 119301.9/32

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -1.689+/-0.033 χ^2/NDF: 120359.4/36

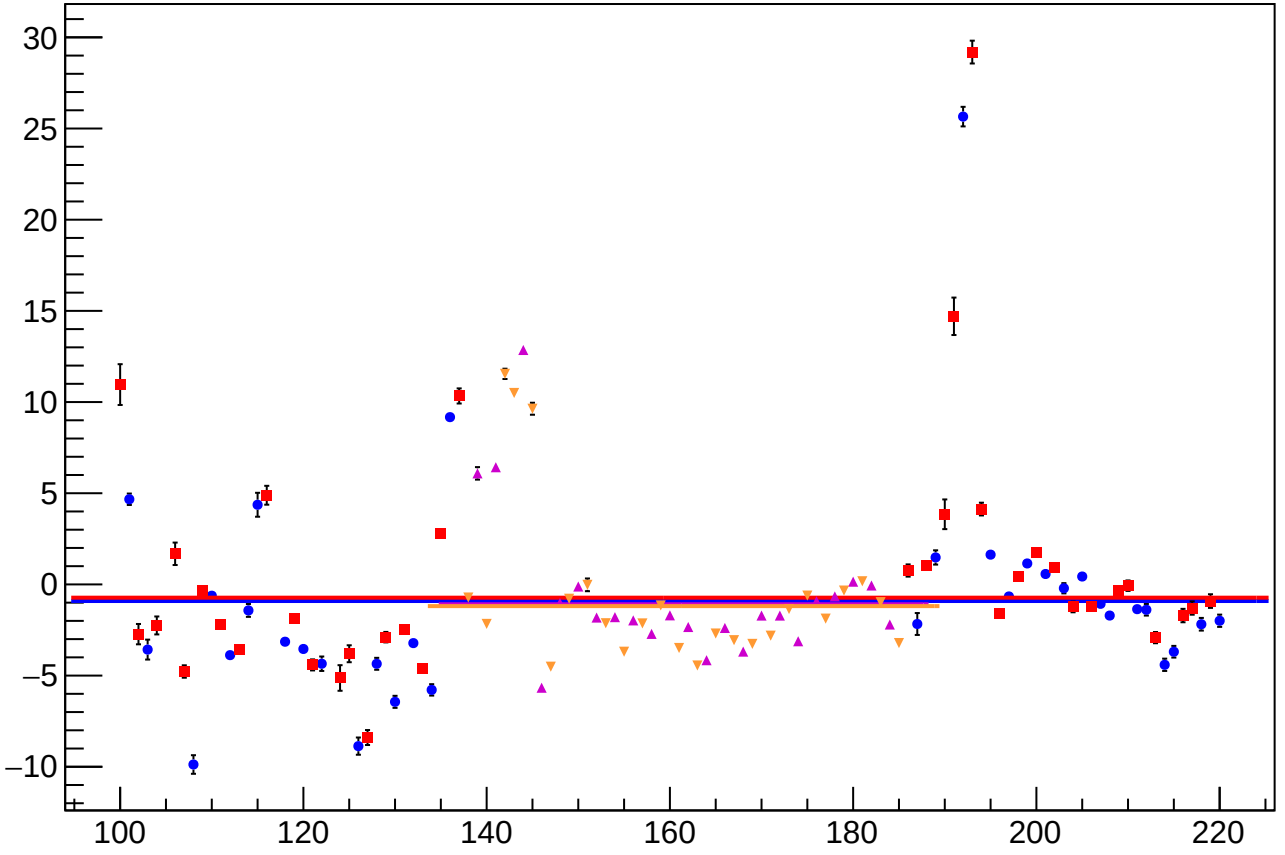
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -1.910+/-0.027 χ^2/NDF: 288358.6/57

All: -1.614+/-0.019 χ^2/NDF: 536348.5/117

- sign -1.343+/-0.026 χ^2/NDF: 247757.0/59

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.911+/-0.050 χ^2/NDF: 7524.4/32

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

Right Out: -0.728+/-0.049 χ^2/NDF: 5654.3/36

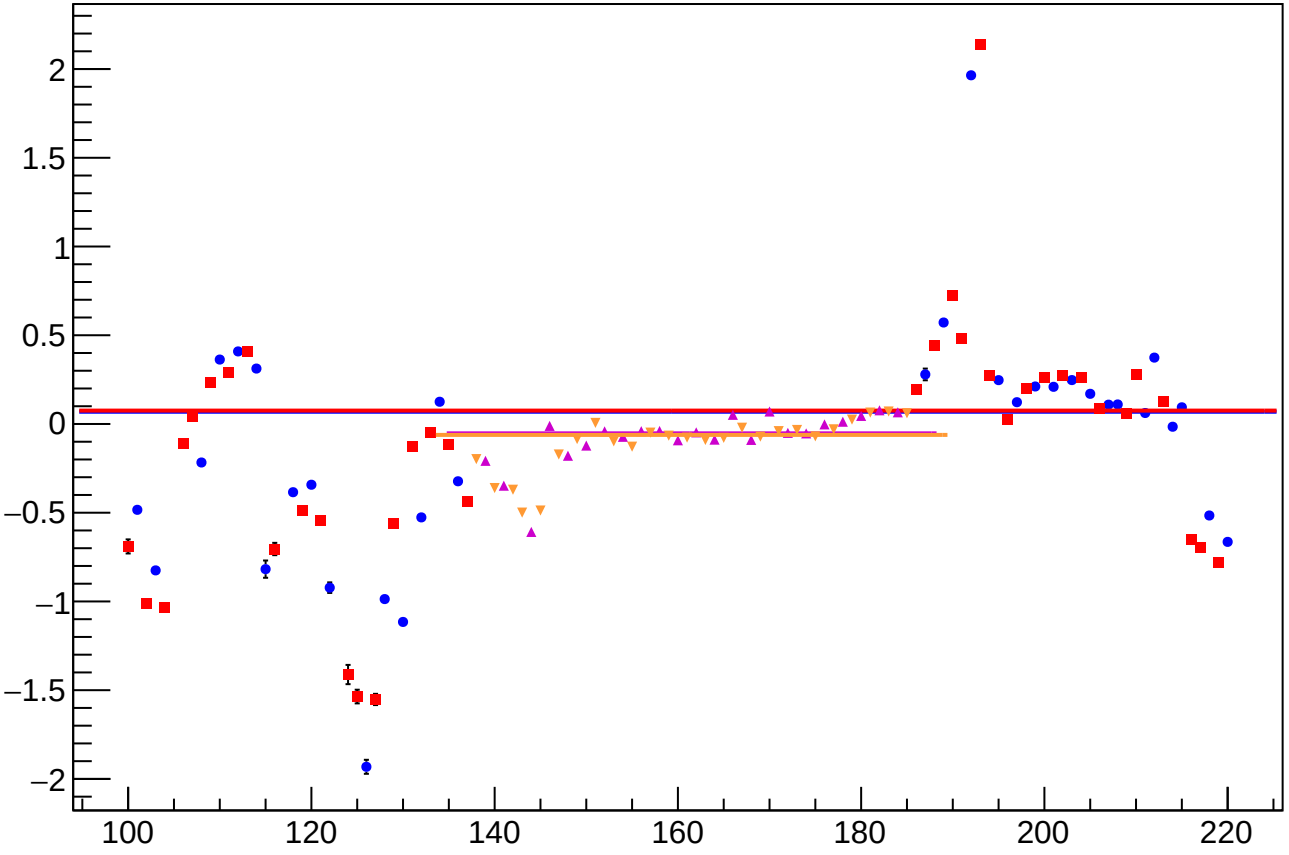
Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.092+/-0.030 χ^2/NDF: 14540.3/57

All: -1.025+/-0.021 χ^2/NDF: 27081.1/117

- sign -0.963+/-0.029 χ^2/NDF: 12531.0/59

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.069+/-0.002 χ^2/NDF: 36183.9/32

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.075+/-0.002 χ^2/NDF: 38748.8/36

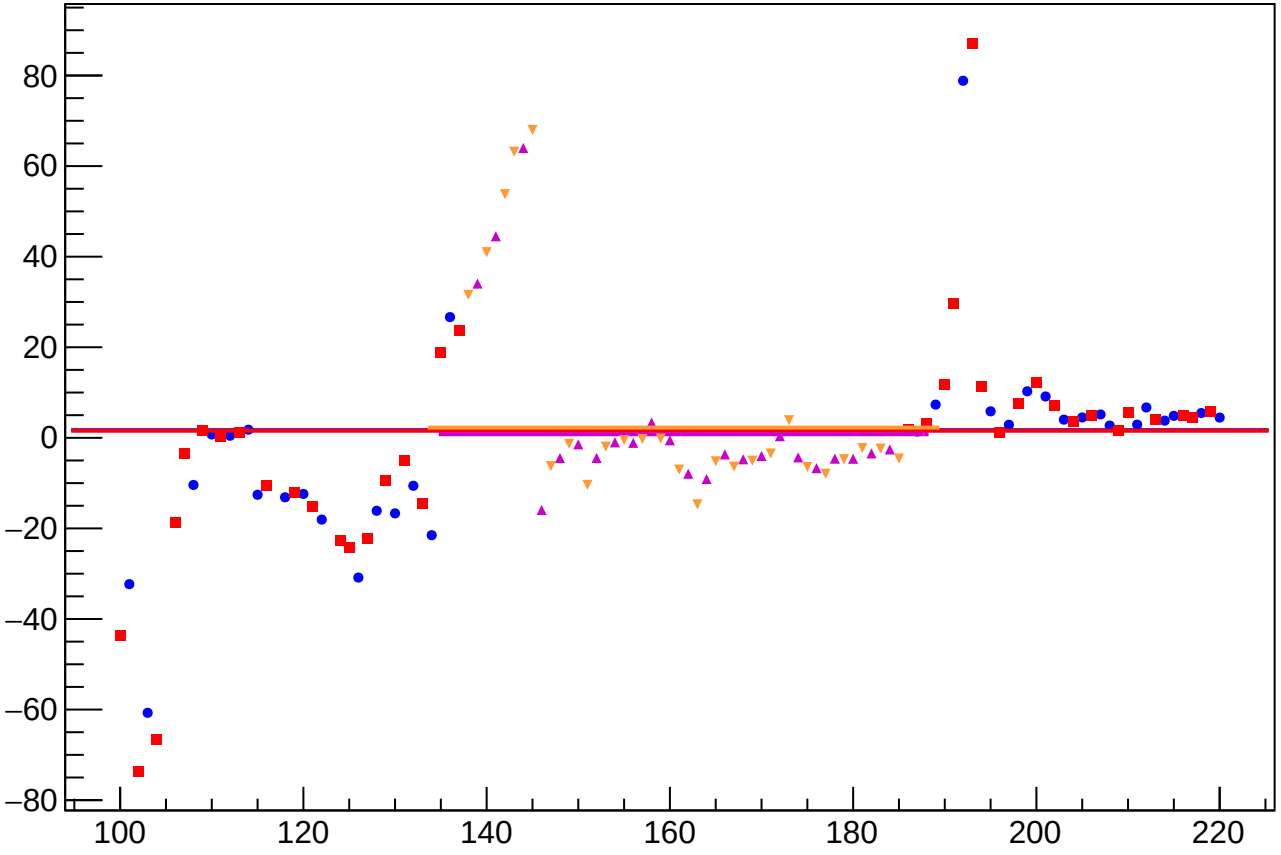
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.018+/-0.001 χ^2/NDF: 43939.3/57

All: -0.015+/-0.001 χ^2/NDF: 89975.5/117

- sign -0.012+/-0.001 χ^2/NDF: 46026.4/59

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 1.687+/-0.035 χ^2/NDF: 119215.4/32

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 1.581+/-0.032 χ^2/NDF: 119775.9/36

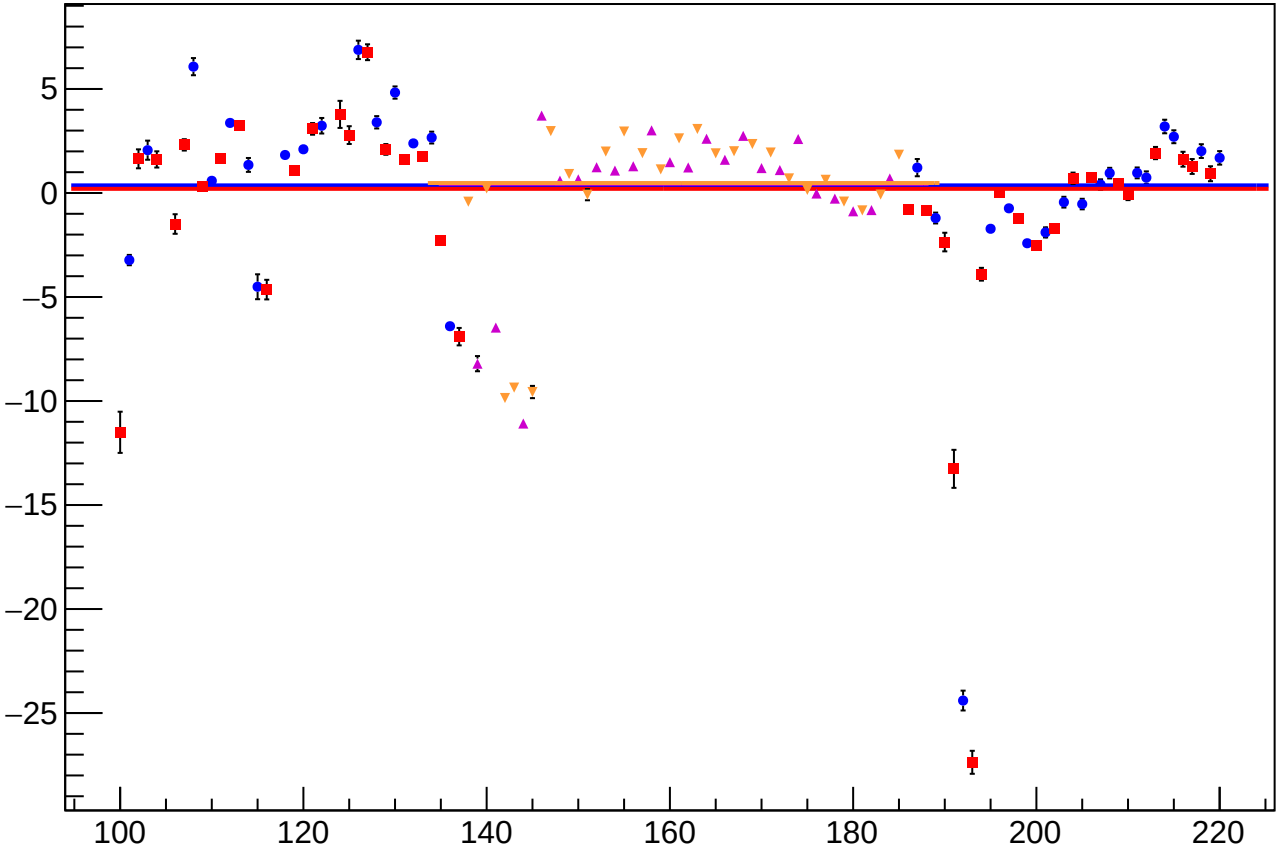
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 1.920+/-0.027 χ^2/NDF: 290996.9/57

All: 1.586+/-0.018 χ^2/NDF: 540130.0/117

- sign 1.281+/-0.025 χ^2/NDF: 248830.9/59

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.366+/-0.045 χ^2/NDF: 5988.1/32

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.200+/-0.043 χ^2/NDF: 5042.5/36

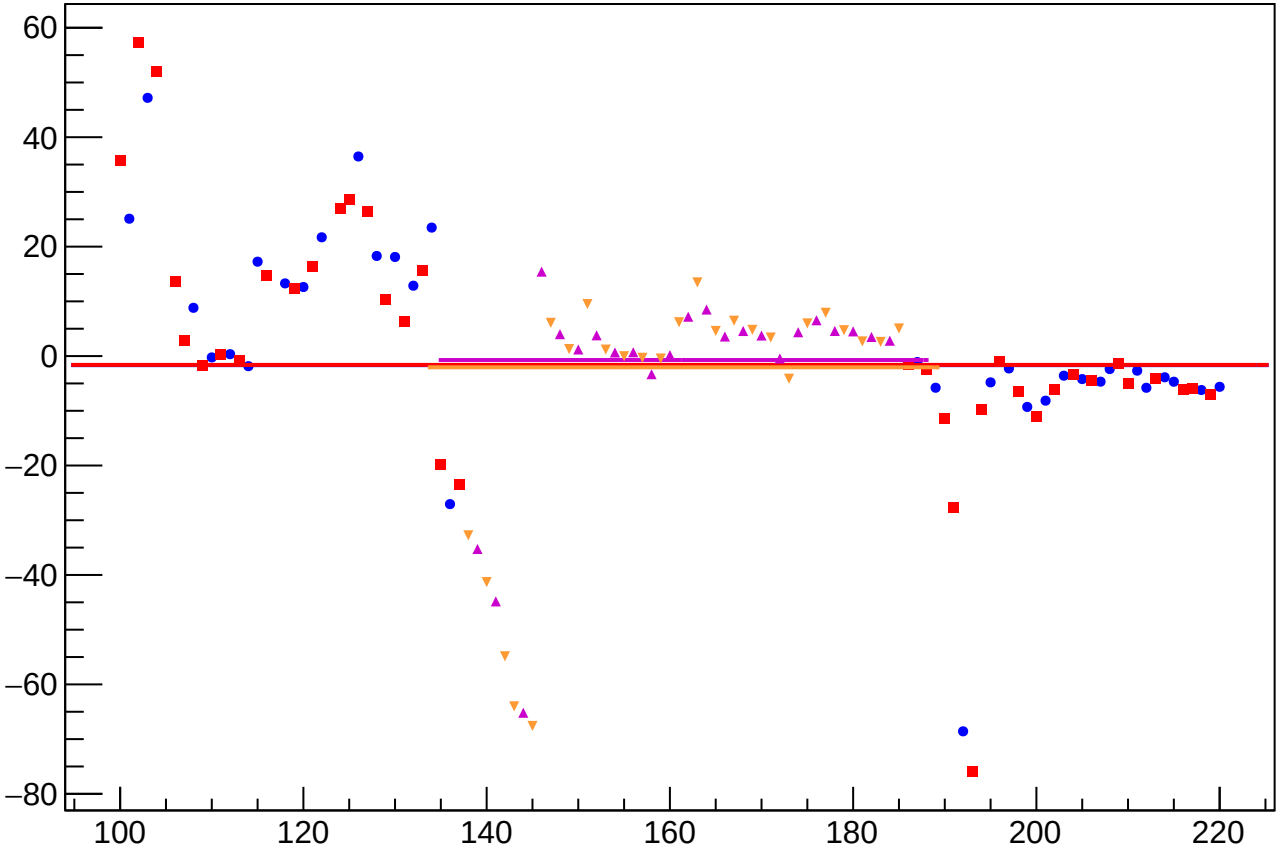
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.438+/-0.027 χ^2/NDF: 12800.2/57

All: 0.393+/-0.019 χ^2/NDF: 24761.6/117

- sign 0.353+/-0.026 χ^2/NDF: 11956.1/59

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -1.655+/-0.036 χ^2/NDF: 117718.6/32

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -1.612+/-0.034 χ^2/NDF: 118315.2/36

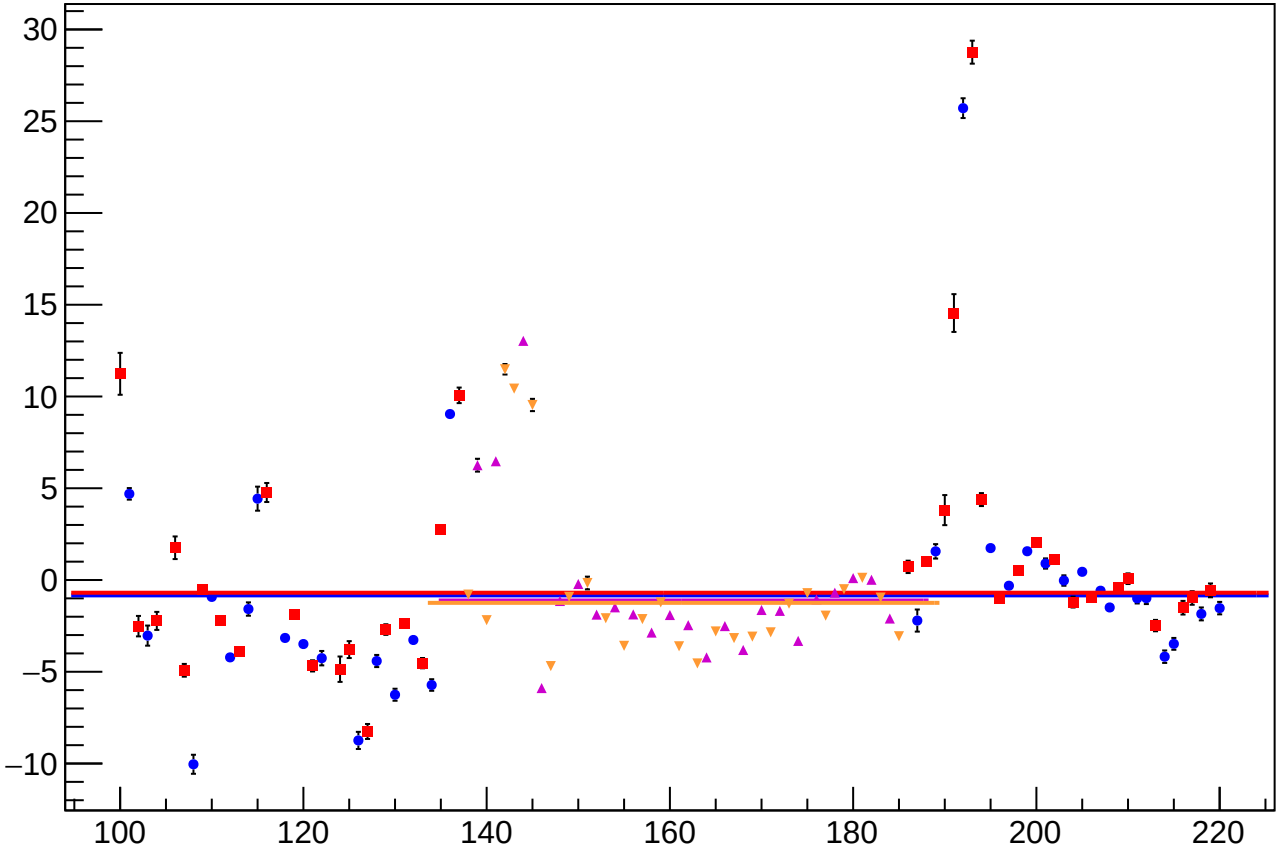
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -1.825+/-0.027 χ^2/NDF: 283780.2/57

All: -1.523+/-0.019 χ^2/NDF: 528148.9/117

- sign -1.245+/-0.026 χ^2/NDF: 244130.8/59

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.837+/-0.051 χ^2/NDF: 7372.0/32

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

Right Out: -0.693+/-0.049 χ^2/NDF: 5503.2/36

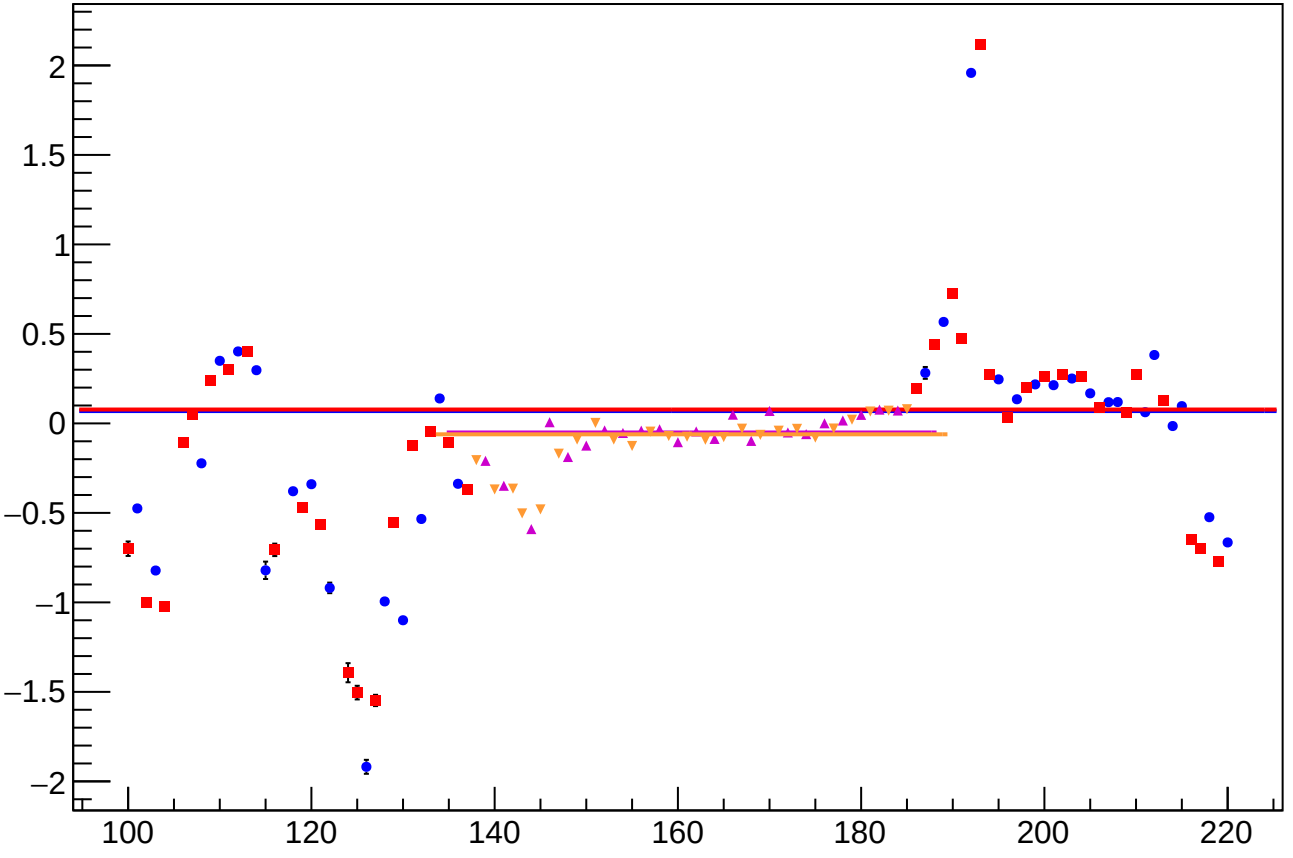
Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.102+/-0.030 χ^2/NDF: 14182.2/57

All: -1.034+/-0.021 χ^2/NDF: 26583.7/117

- sign -0.970+/-0.029 χ^2/NDF: 12391.5/59

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.069+/-0.002 χ^2/NDF: 35838.0/32

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

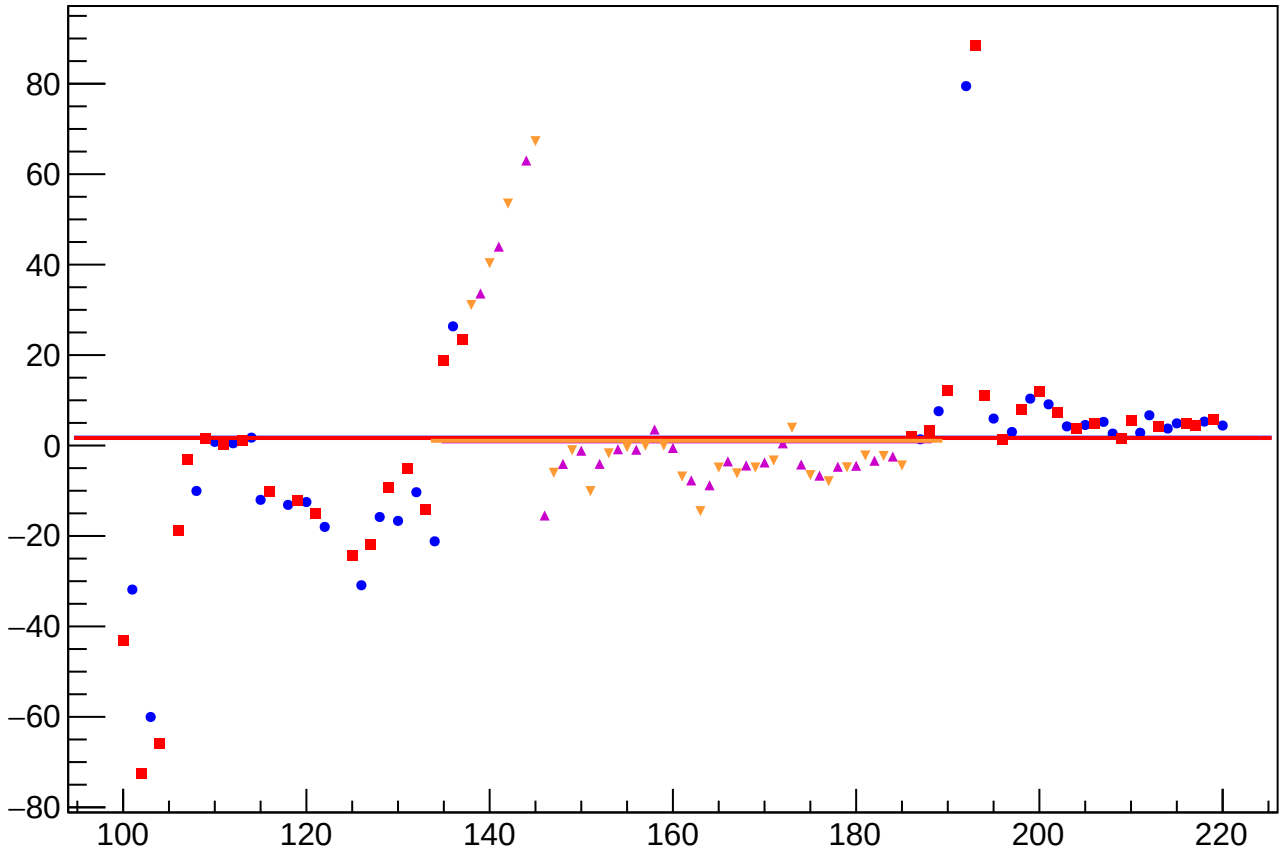
Right Out: 0.078+/-0.002 χ^2/NDF: 37738.9/36

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.017+/-0.001 χ^2/NDF: 43438.2/57

All: -0.014+/-0.001 χ^2/NDF: 88256.3/117

- sign -0.010+/-0.001 χ^2/NDF: 44802.6/59



Right In: 1.739+/-0.034 χ^2/NDF: 122902.2/32

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

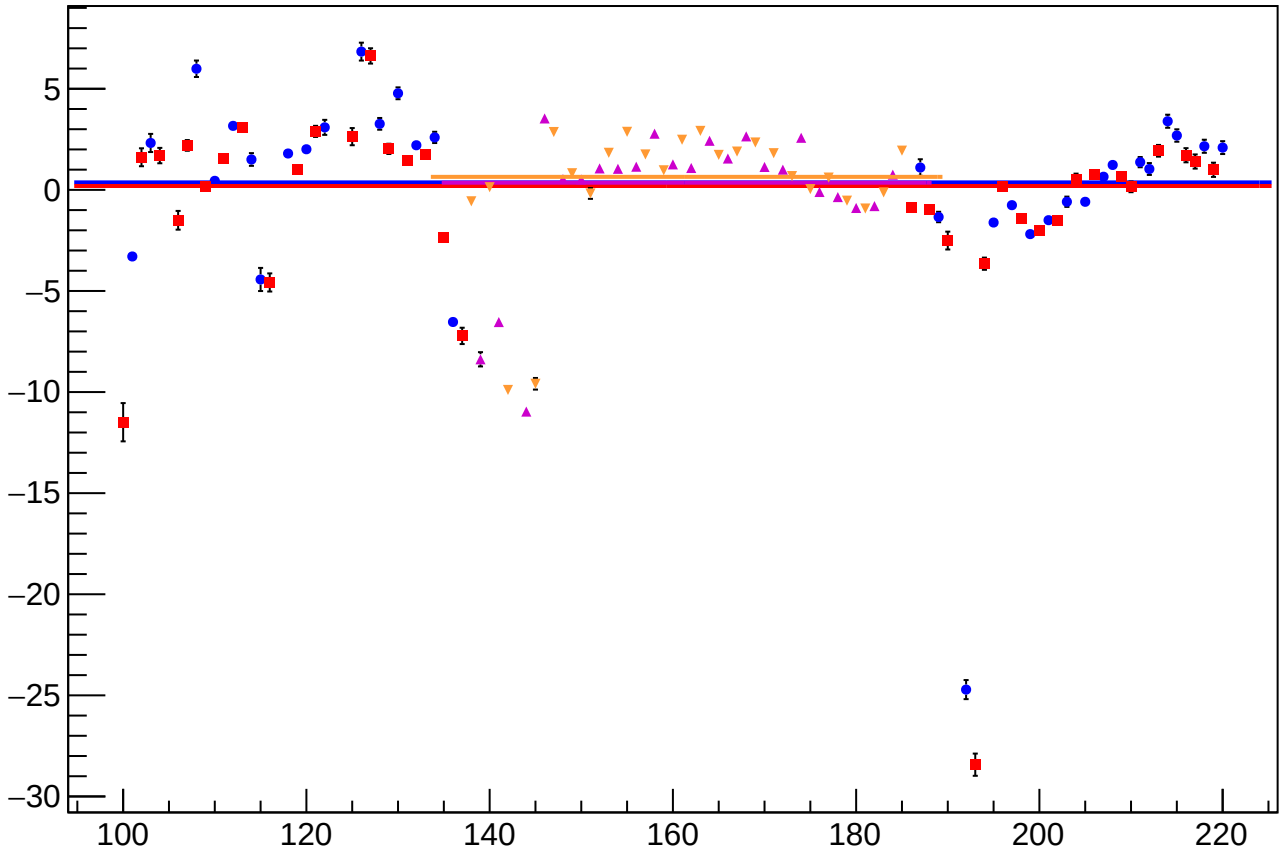
Right Out: 1.660+/-0.031 χ^2/NDF: 120792.2/34

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 1.459+/-0.026 χ^2/NDF: 254102.3/56

All: 1.415+/-0.018 χ^2/NDF: 507926.1/114

- sign 1.376+/-0.025 χ^2/NDF: 253818.3/57



Right In: 0.370+/-0.043 χ^2/NDF: 6240.8/32

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

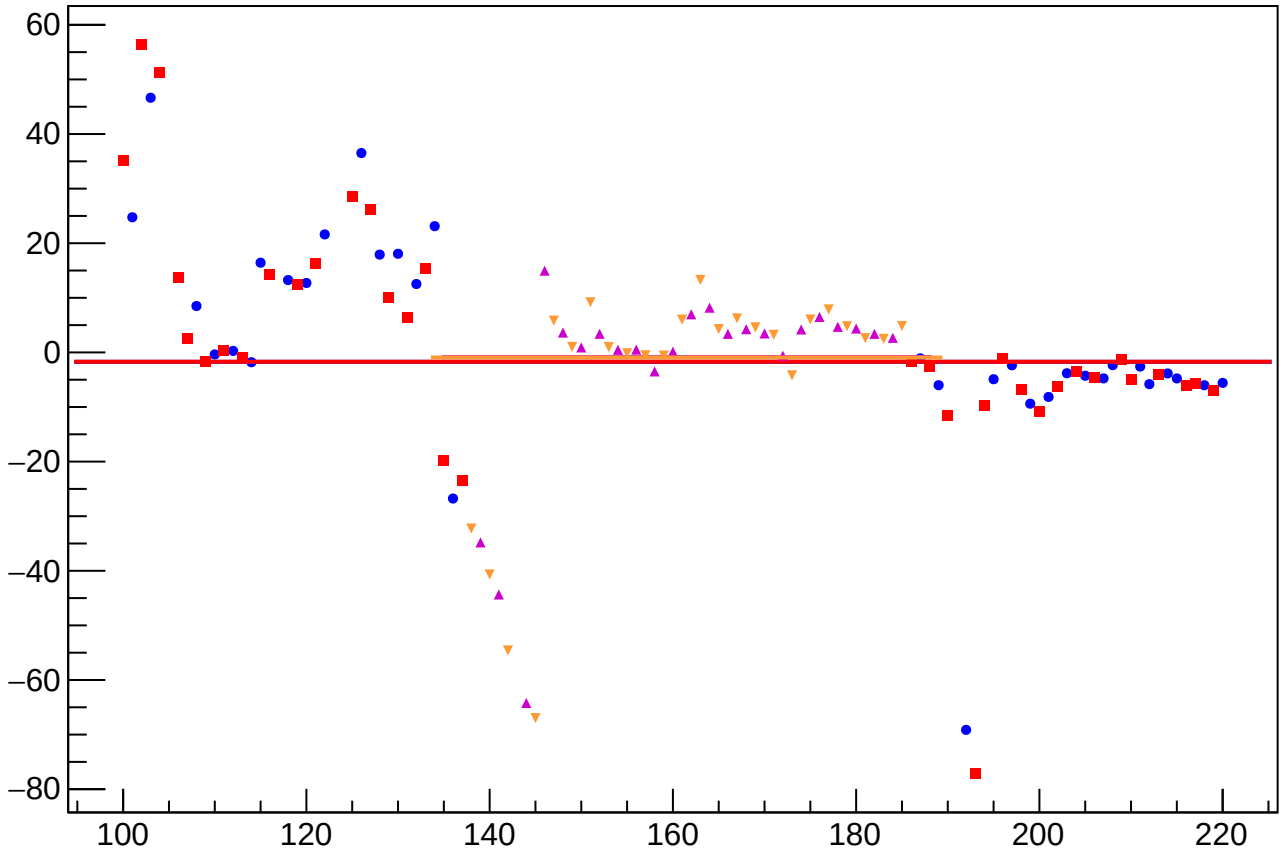
Right Out: 0.192+/-0.042 χ^2/NDF: 5074.9/34

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.543+/-0.026 χ^2/NDF: 10977.0/56

All: 0.413+/-0.018 χ^2/NDF: 23224.6/114

- sign 0.296+/-0.025 χ^2/NDF: 12201.8/57



Right In: -1.729+/-0.035 χ^2/NDF: 121392.0/32

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

Right Out: -1.706+/-0.033 χ^2/NDF: 119416.3/34

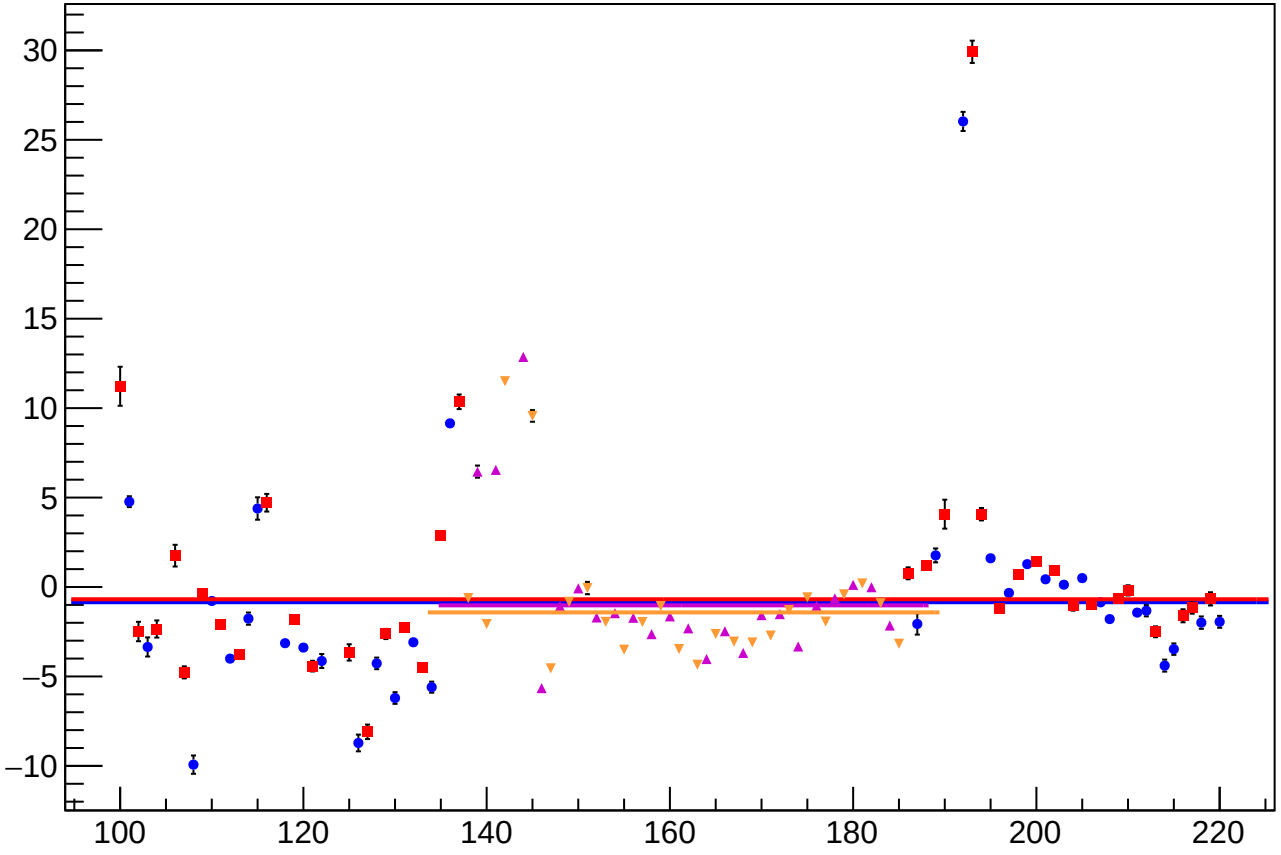
Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

+ sign -1.387+/-0.027 χ^2/NDF: 247993.6/56

All: -1.370+/-0.018 χ^2/NDF: 497167.4/114

- sign -1.355+/-0.025 χ^2/NDF: 249173.0/57

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.850+/-0.050 χ^2/NDF: 7702.9/32

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

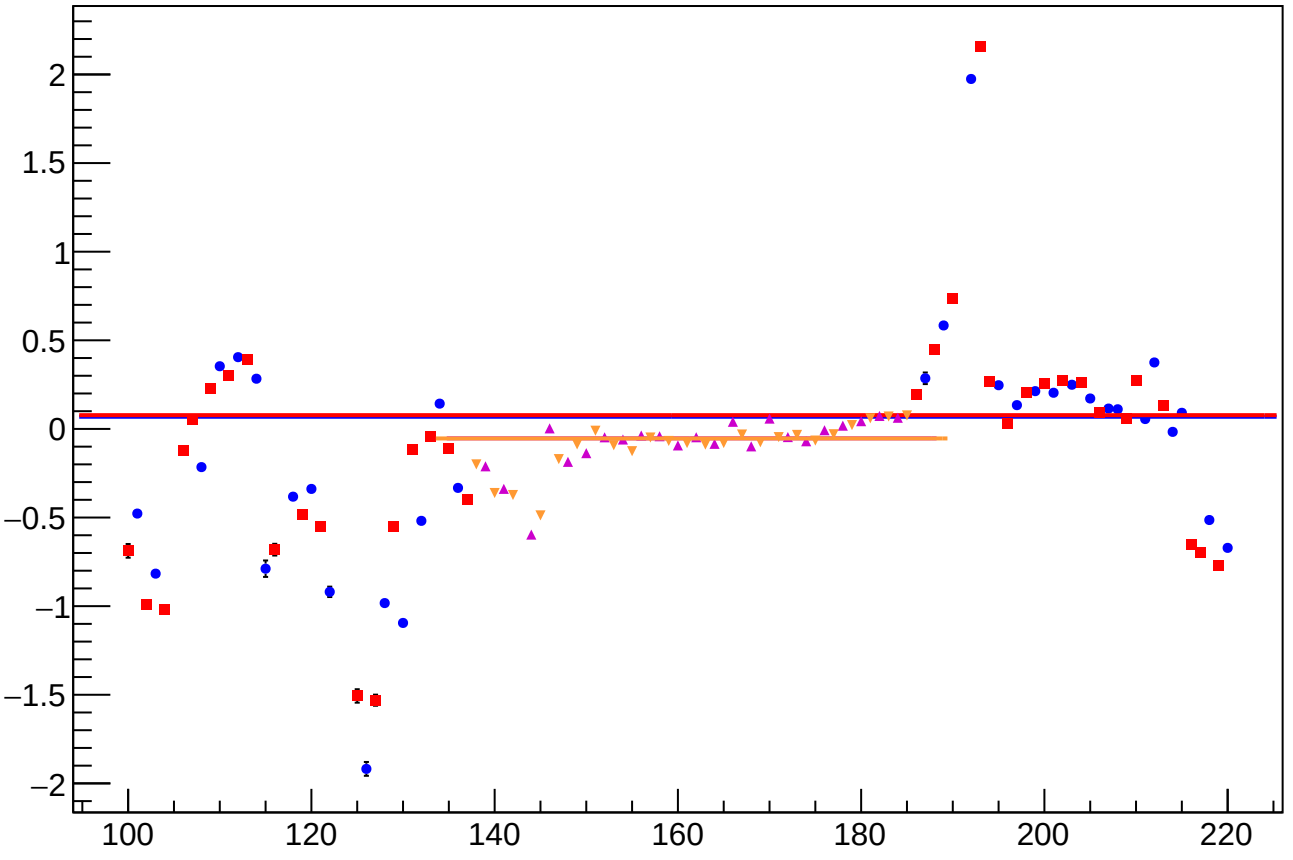
Right Out: -0.685+/-0.048 χ^2/NDF: 5553.3/34

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.219+/-0.029 χ^2/NDF: 12430.5/56

All: -1.057+/-0.020 χ^2/NDF: 25121.8/114

- sign -0.909+/-0.028 χ^2/NDF: 12633.4/57



Right In: 0.069+/-0.002 χ^2/NDF: 37046.8/32

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

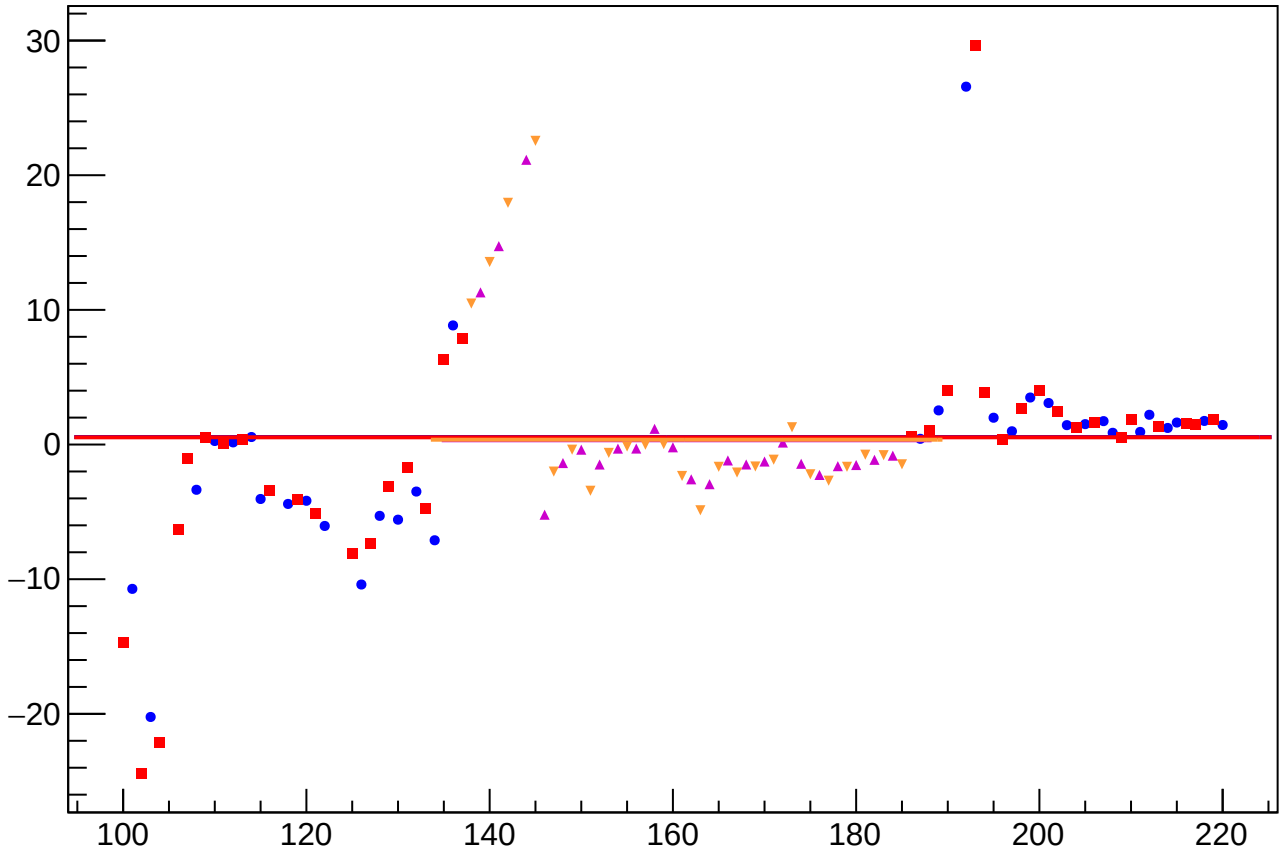
Right Out: 0.078+/-0.002 χ^2/NDF: 38362.7/34

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.013+/-0.001 χ^2/NDF: 43369.8/56

All: -0.012+/-0.001 χ^2/NDF: 89147.2/114

- sign -0.012+/-0.001 χ^2/NDF: 45777.4/57



Right In: 0.559+/-0.012 χ^2/NDF: 120763.2/32

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

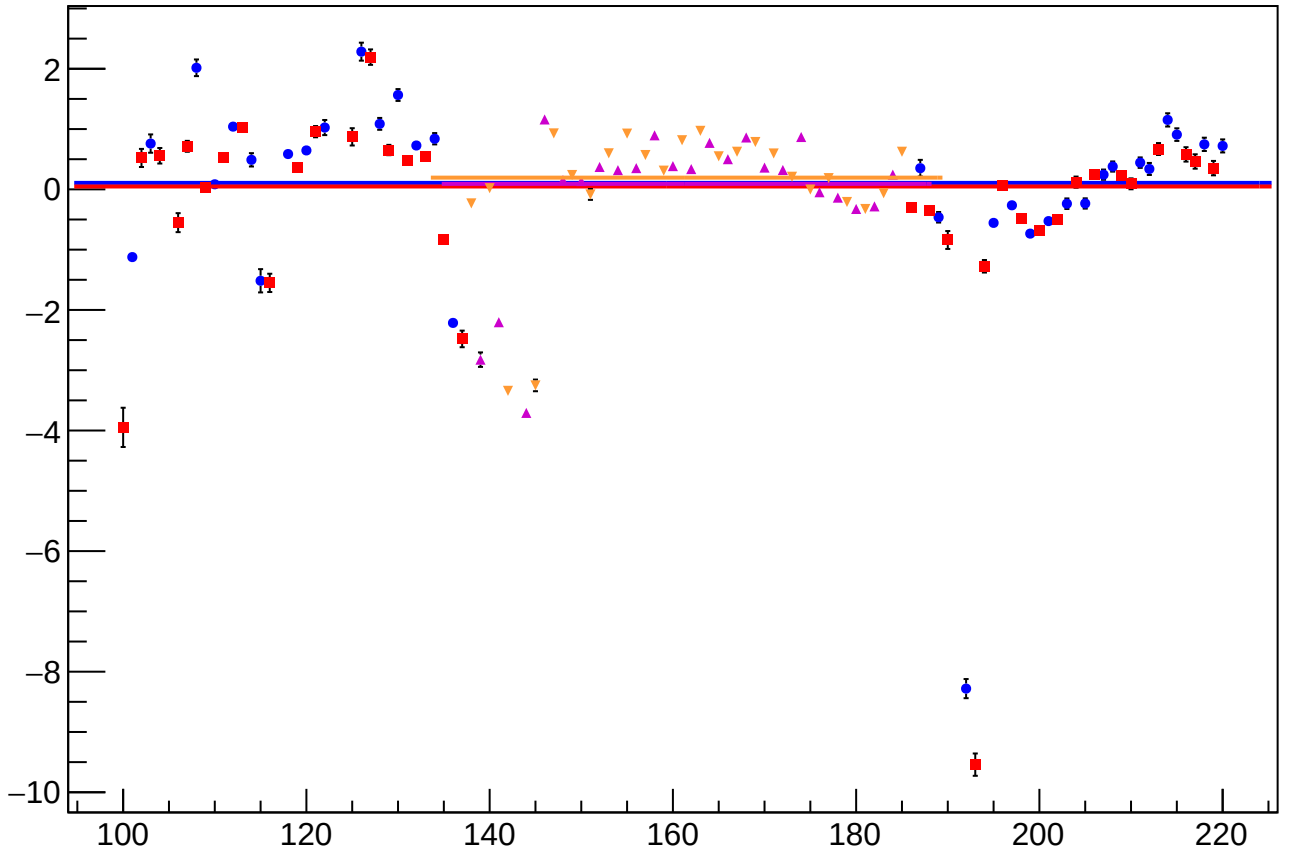
Right Out: 0.537+/-0.011 χ^2/NDF: 118850.6/34

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

\+ sign 0.477+/-0.009 χ^2/NDF: 249716.1/56

All: 0.464+/-0.006 χ^2/NDF: 498954.8/114

\- sign 0.453+/-0.008 χ^2/NDF: 249234.8/57



Right In: 0.107+/-0.015 χ^2/NDF: 6124.4/32

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

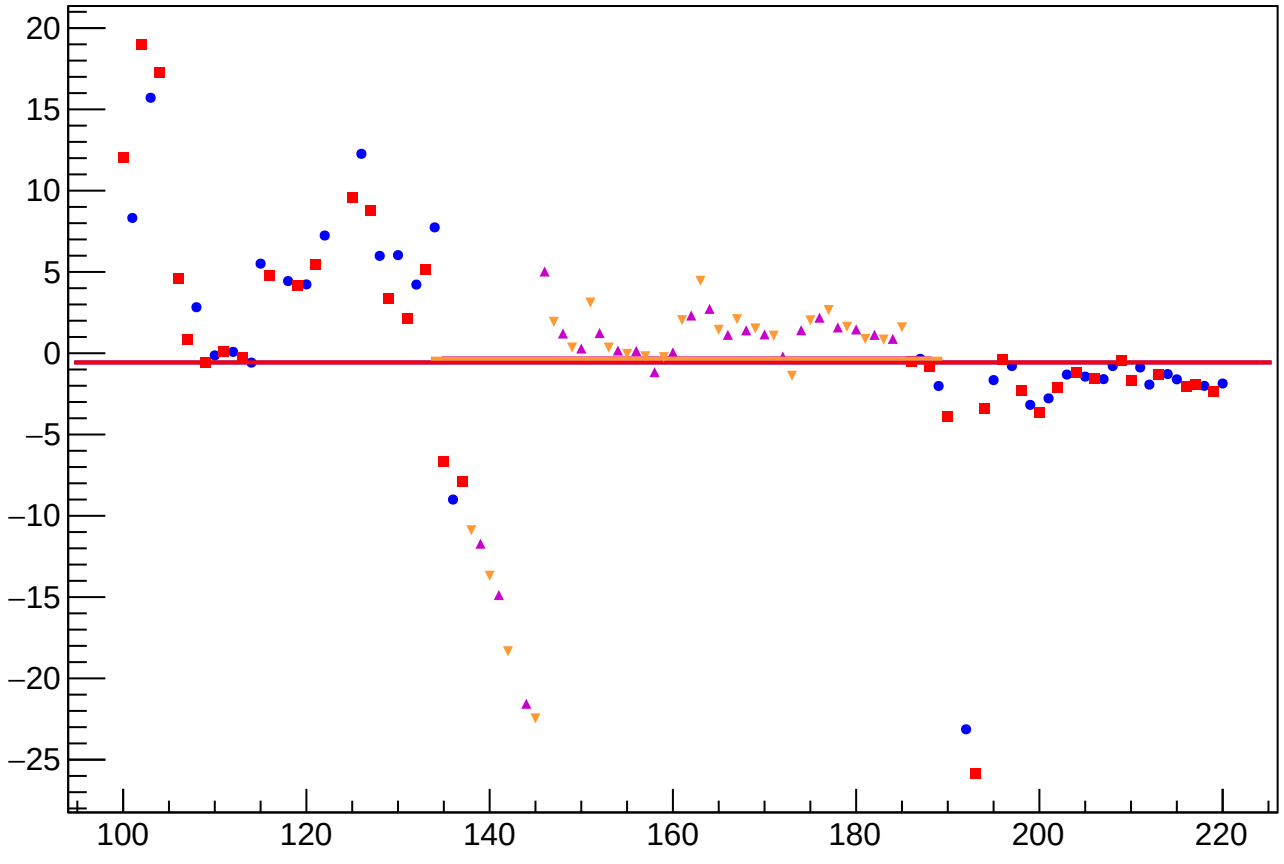
Right Out: 0.048+/-0.014 χ^2/NDF: 4989.1/34

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.162+/-0.009 χ^2/NDF: 10791.1/56

All: 0.117+/-0.006 χ^2/NDF: 22771.3/114

- sign 0.075+/-0.009 χ^2/NDF: 11931.5/57



Right In: -0.569+/-0.012 χ^2/NDF: 119307.7/32

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

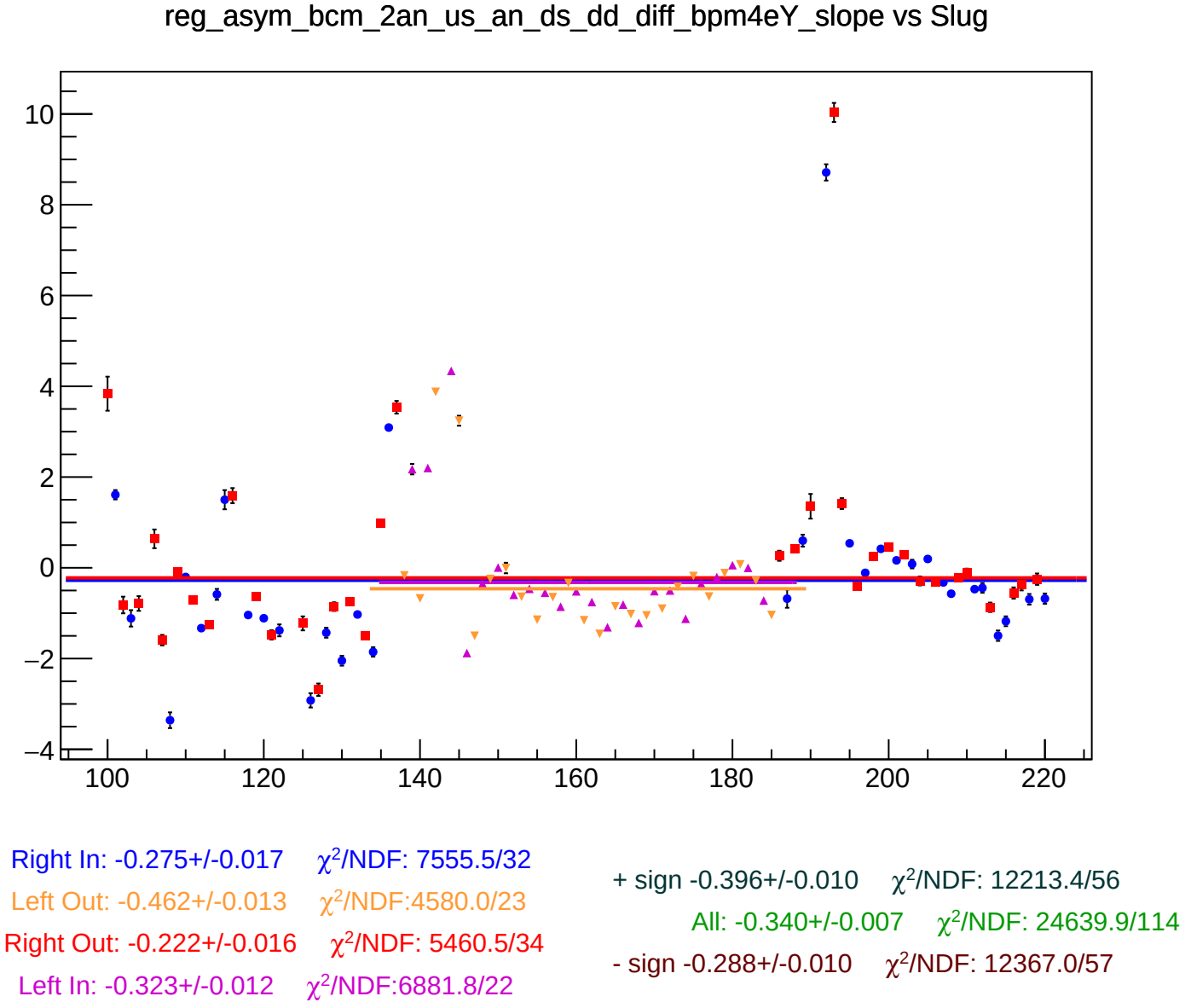
Right Out: -0.563+/-0.011 χ^2/NDF: 117537.4/34

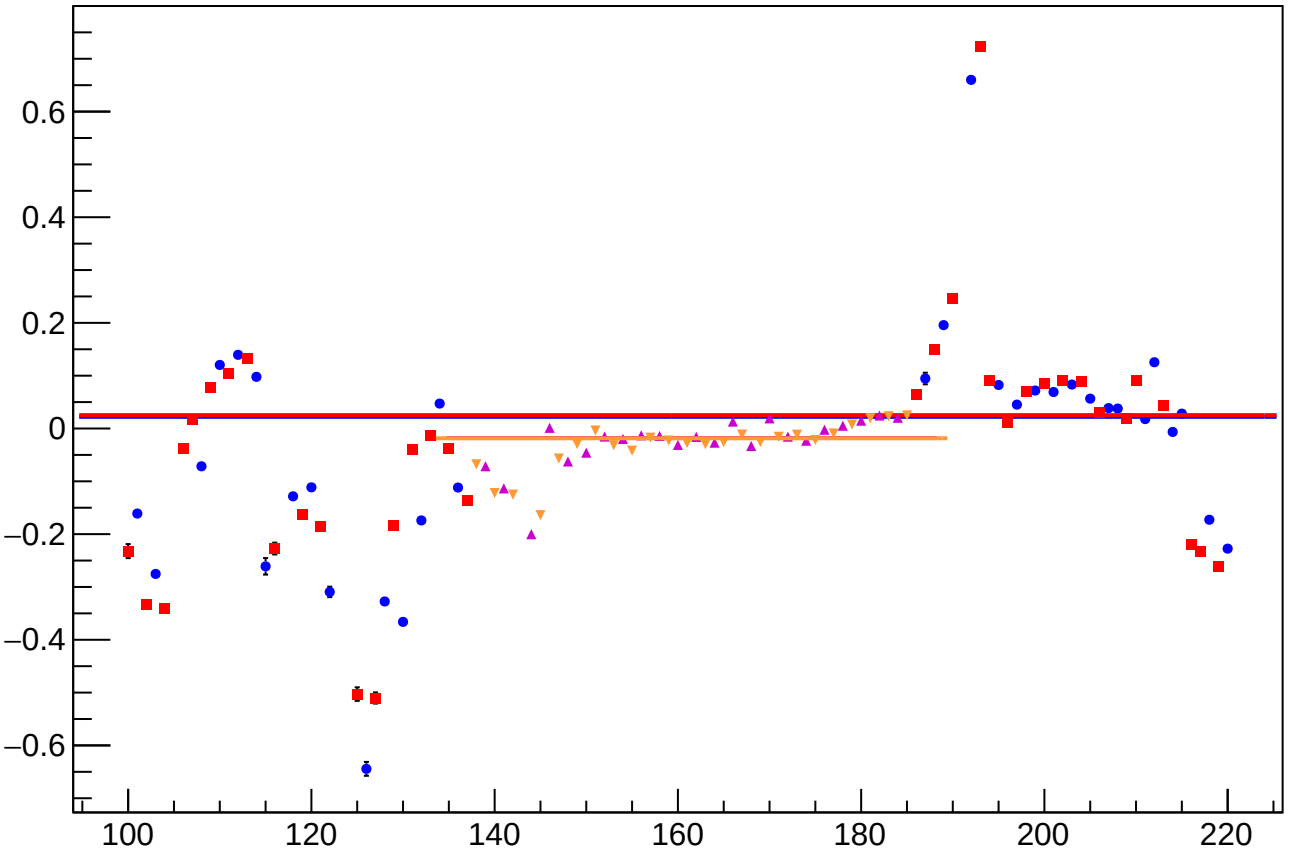
Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.468+/-0.009 χ^2/NDF: 243707.6/56

All: -0.463+/-0.006 χ^2/NDF: 488445.7/114

- sign -0.460+/-0.009 χ^2/NDF: 244737.7/57


reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
10
8
6
4
2
0
−2
−4
100
120
140
160
180
200
220
Right In: -0.275+/-0.017 χ²/NDF: 7555.5/32
Left Out: -0.462+/-0.013 χ²/NDF:4580.0/23
Right Out: -0.222+/-0.016 χ²/NDF: 5460.5/34
Left In: -0.323+/-0.012 χ²/NDF:6881.8/22
+ sign -0.396+/-0.010 χ²/NDF: 12213.4/56
All: -0.340+/-0.007 χ²/NDF: 24639.9/114
- sign -0.288+/-0.010 χ²/NDF: 12367.0/57



Right In: 0.022+/-0.001 χ^2/NDF: 36396.6/32

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

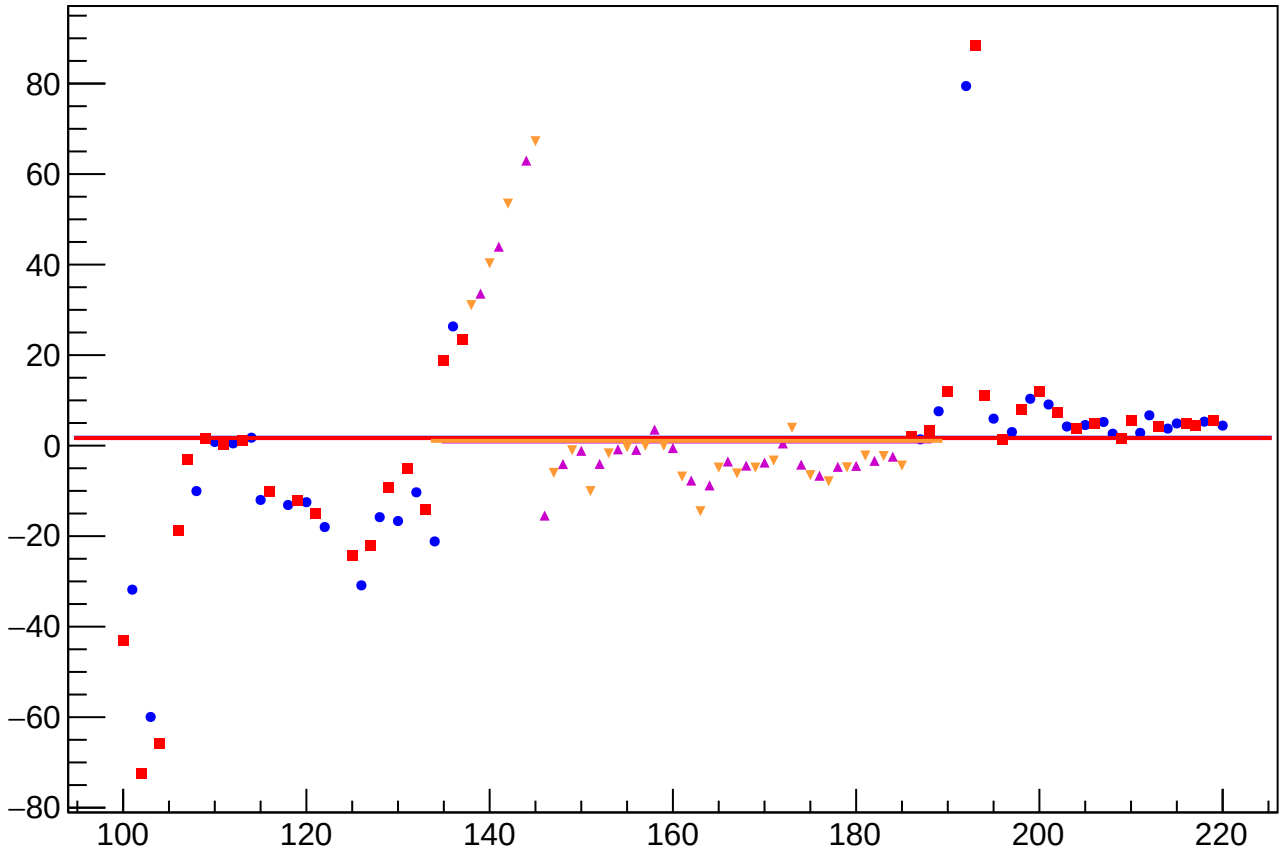
Right Out: 0.025+/-0.001 χ^2/NDF: 37606.4/34

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.005+/-0.000 χ^2/NDF: 42488.8/56

All: -0.005+/-0.000 χ^2/NDF: 87211.4/114

- sign -0.005+/-0.000 χ^2/NDF: 44722.1/57



Right In: 1.744+/-0.034 χ^2/NDF: 122929.2/32

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

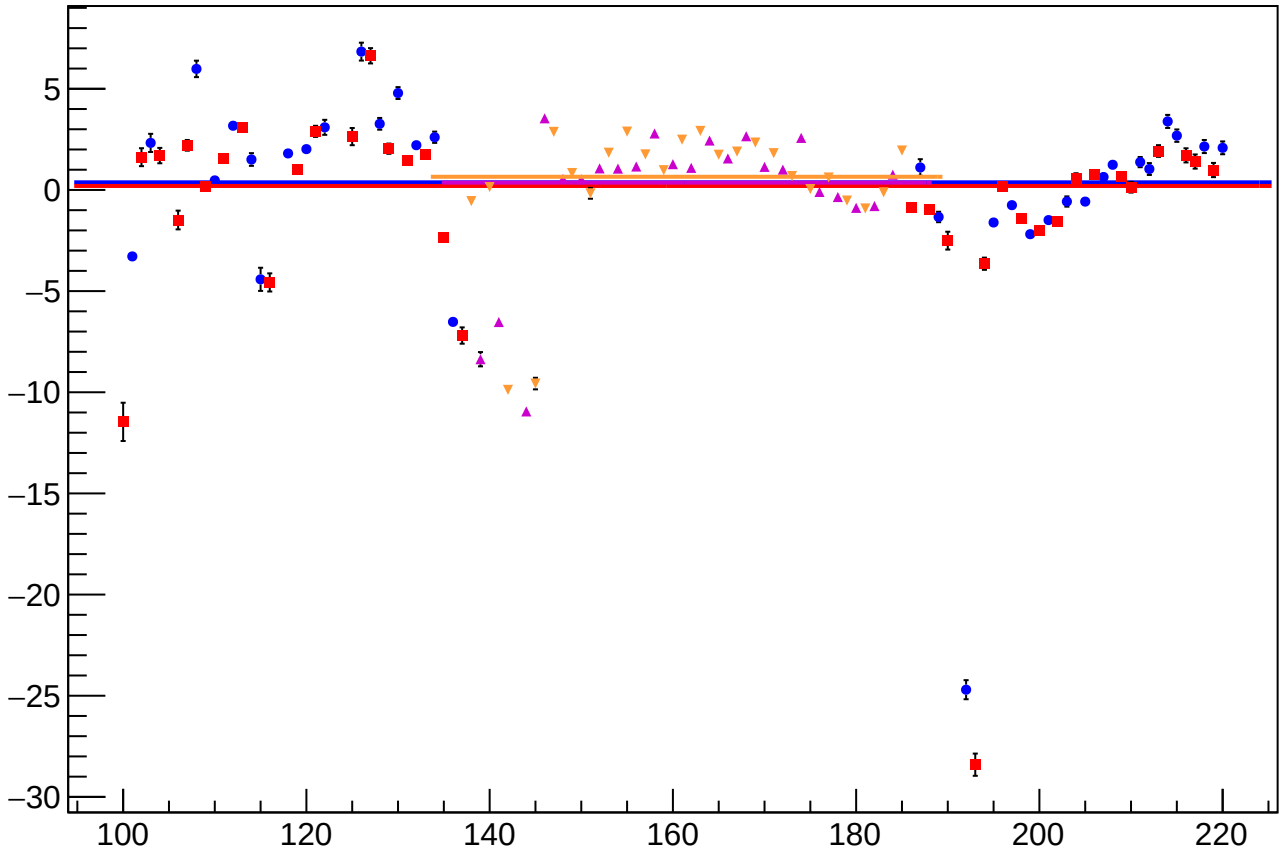
Right Out: 1.665+/-0.031 χ^2/NDF: 120820.7/34

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 1.465+/-0.026 χ^2/NDF: 254109.9/56

All: 1.420+/-0.018 χ^2/NDF: 507972.5/114

- sign 1.380+/-0.025 χ^2/NDF: 253857.0/57



Right In: 0.377+/-0.043 χ^2/NDF: 6242.4/32

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

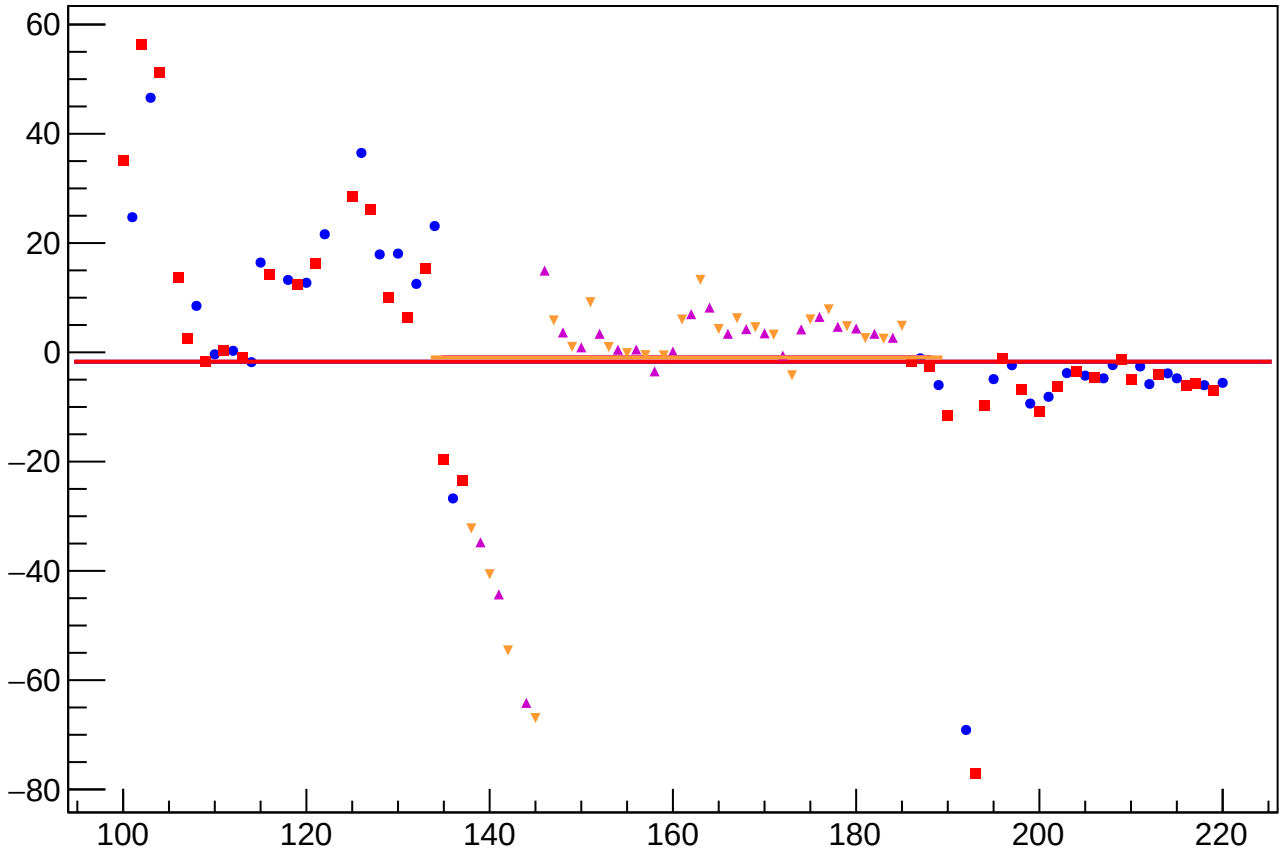
Right Out: 0.197+/-0.042 χ^2/NDF: 5075.6/34

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

\+ sign 0.550+/-0.026 χ^2/NDF: 10976.5/56

All: 0.421+/-0.018 χ^2/NDF: 23230.6/114

\- sign 0.304+/-0.025 χ^2/NDF: 12208.3/57



Right In: -1.729+/-0.035 χ^2/NDF: 121415.3/32

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

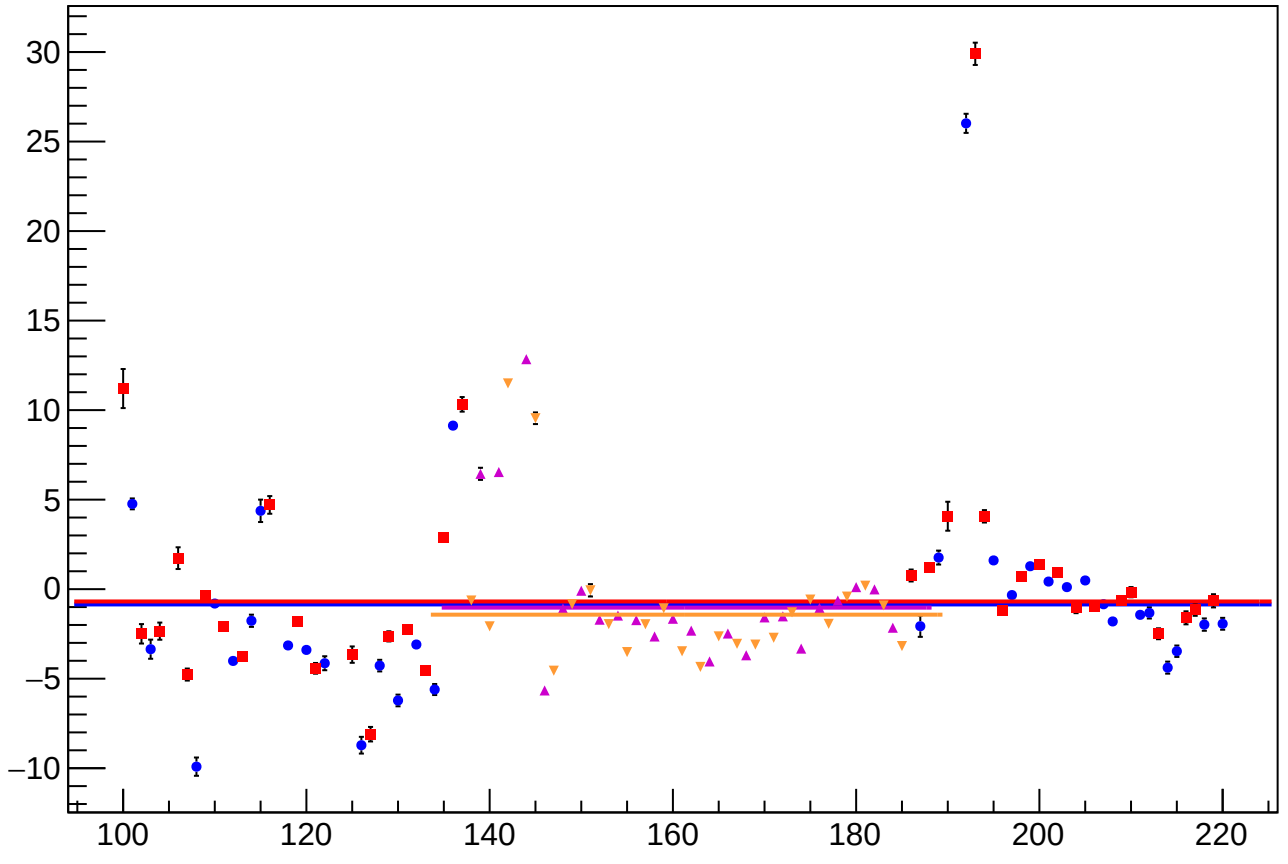
Right Out: -1.706+/-0.033 χ^2/NDF: 119439.3/34

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign -1.386+/-0.026 χ^2/NDF: 247999.8/56

All: -1.369+/-0.018 χ^2/NDF: 497205.0/114

- sign -1.354+/-0.025 χ^2/NDF: 249204.4/57



Right In: -0.853+/-0.050 χ^2/NDF: 7704.0/32

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

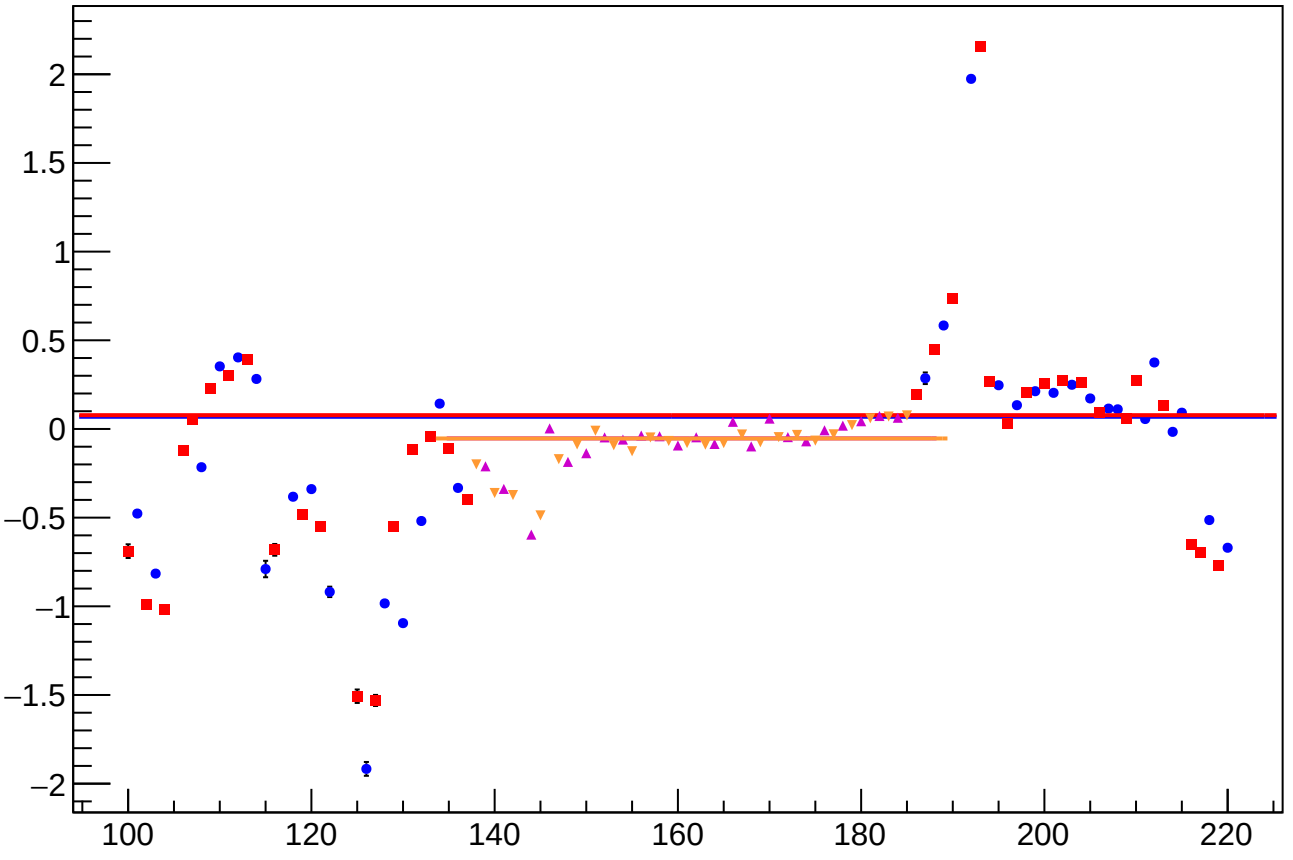
Right Out: -0.687+/-0.048 χ^2/NDF: 5553.0/34

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.223+/-0.029 χ^2/NDF: 12429.7/56

All: -1.061+/-0.020 χ^2/NDF: 25125.6/114

- sign -0.914+/-0.028 χ^2/NDF: 12638.2/57



Right In: 0.069+/-0.002 χ^2/NDF: 37055.9/32

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

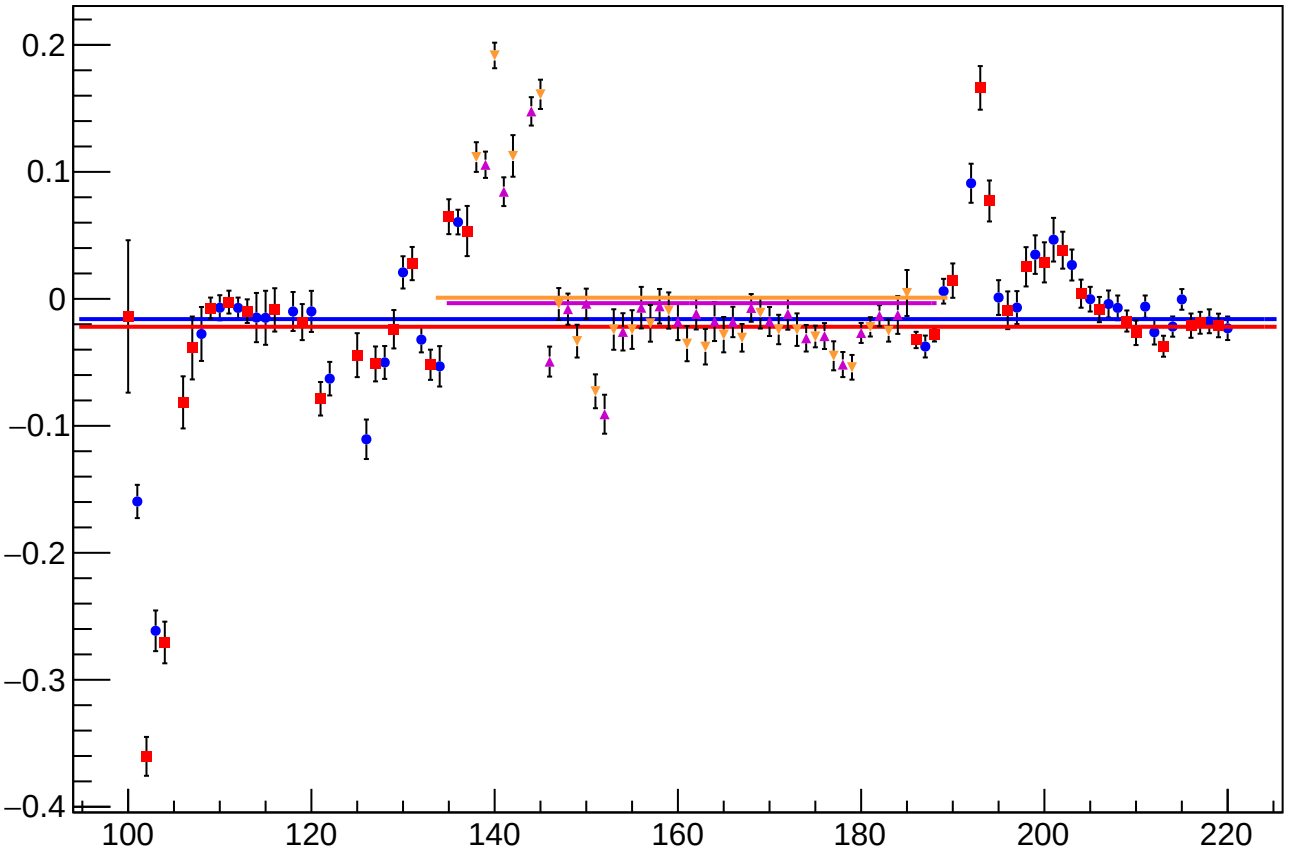
Right Out: 0.078+/-0.002 χ^2/NDF: 38381.8/34

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.012+/-0.001 χ^2/NDF: 43381.3/56

All: -0.012+/-0.001 χ^2/NDF: 89187.2/114

- sign -0.012+/-0.001 χ^2/NDF: 45805.8/57



Right In: -0.016+/-0.002 χ^2/NDF: 602.8/32

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

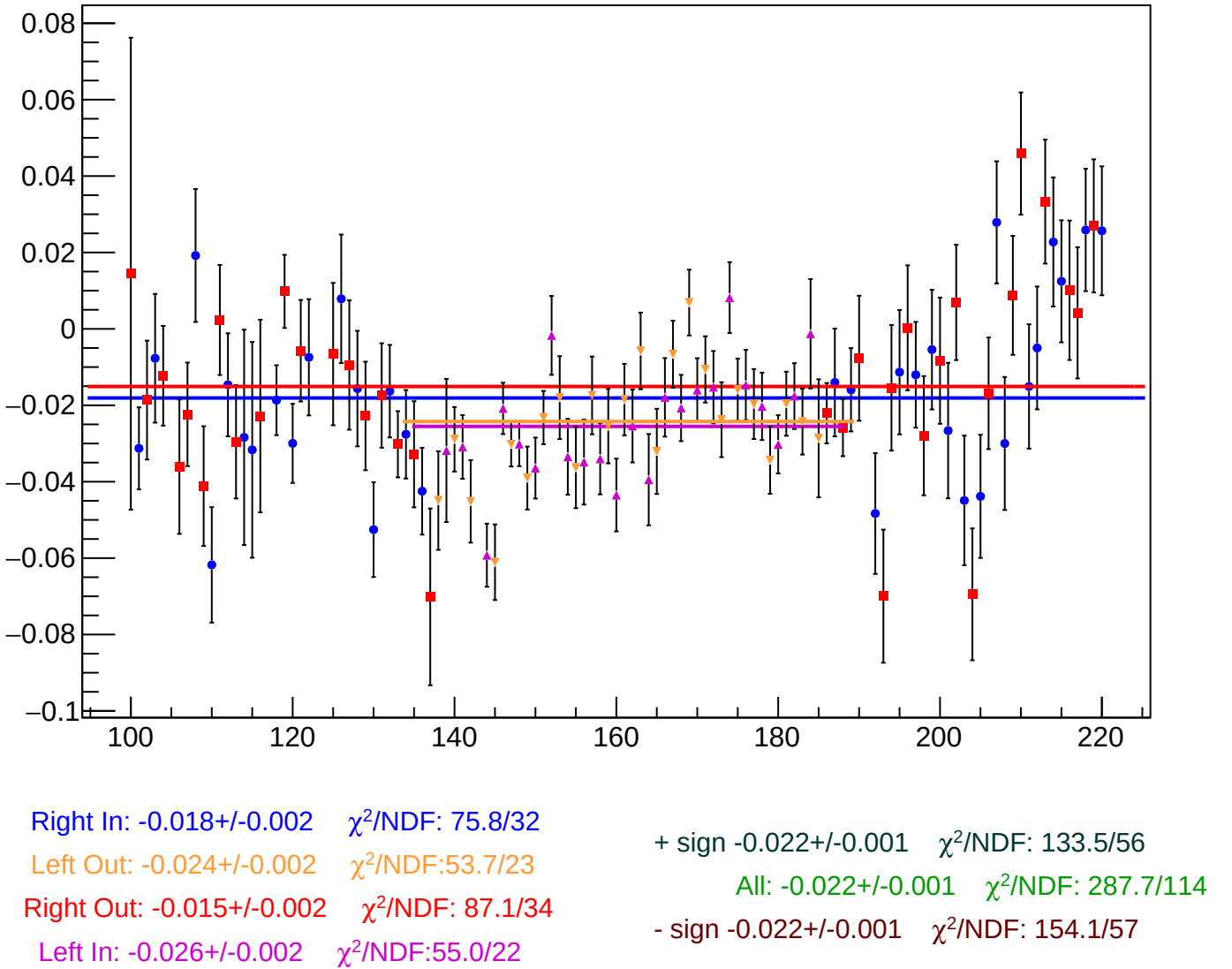
Right Out: -0.022+/-0.002 χ^2/NDF: 1054.8/34

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

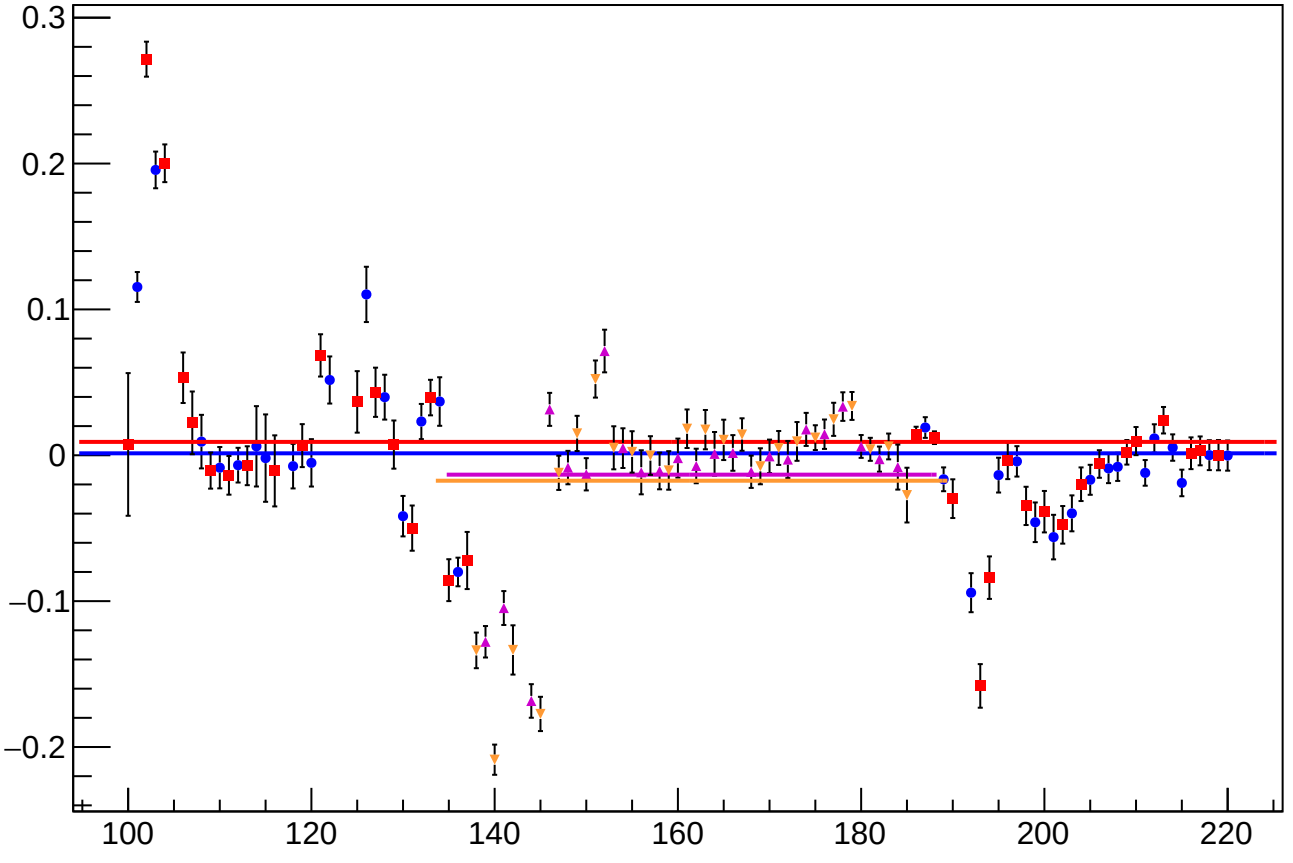
+ sign -0.009+/-0.002 χ^2/NDF: 1482.1/56

All: -0.012+/-0.001 χ^2/NDF: 3039.2/114

- sign -0.015+/-0.001 χ^2/NDF: 1549.8/57


reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs Slug
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
100
120
140
160
180
200
220
Right In: -0.018+/-0.002 χ²/NDF: 75.8/32
Left Out: -0.024+/-0.002 χ²/NDF:53.7/23
Right Out: -0.015+/-0.002 χ²/NDF: 87.1/34
Left In: -0.026+/-0.002 χ²/NDF:55.0/22
+ sign -0.022+/-0.001 χ²/NDF: 133.5/56
All: -0.022+/-0.001 χ²/NDF: 287.7/114
- sign -0.022+/-0.001 χ²/NDF: 154.1/57

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.001+/-0.002 χ^2/NDF: 614.2/32

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

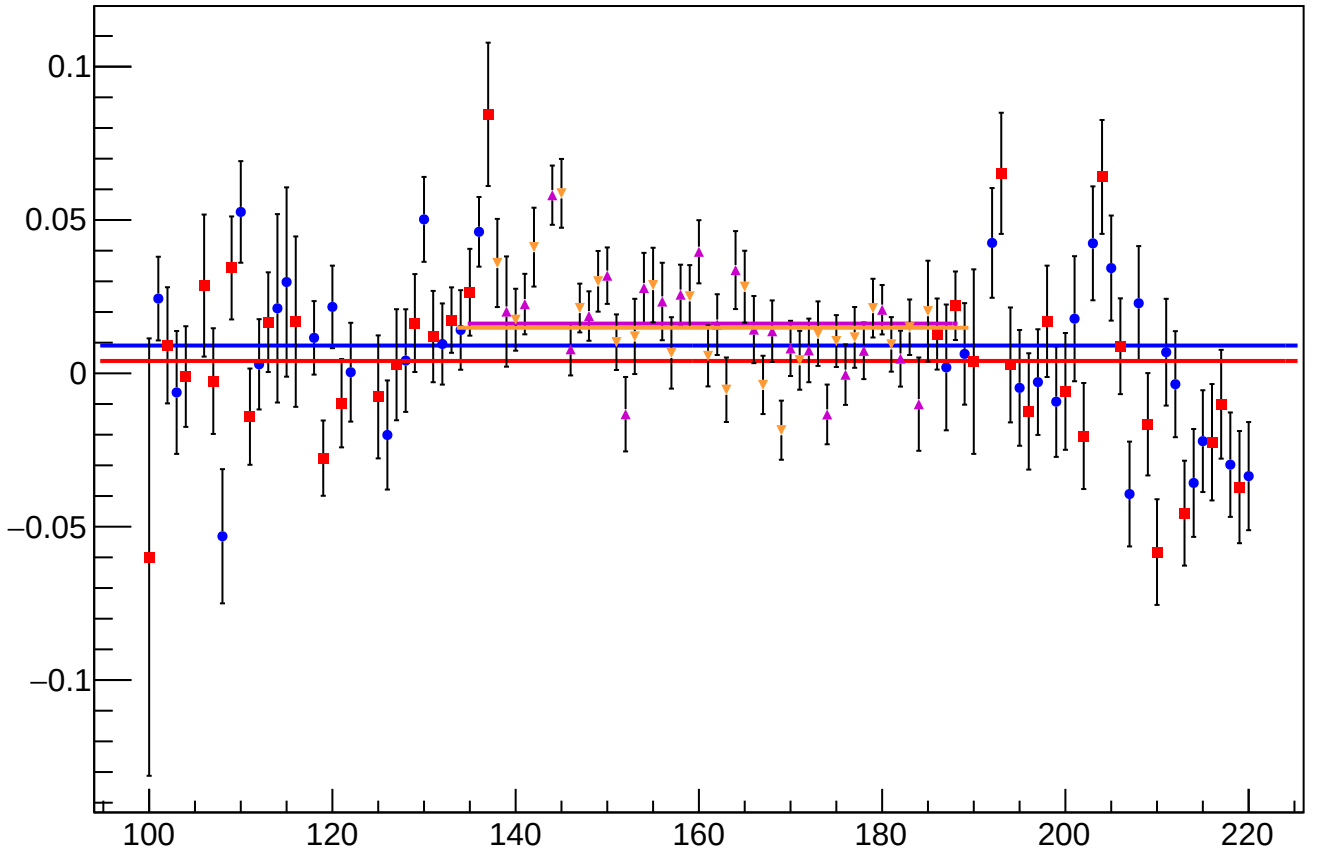
Right Out: 0.009+/-0.002 χ^2/NDF: 1048.3/34

Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

+ sign -0.006+/-0.002 χ^2/NDF: 1462.7/56

All: -0.003+/-0.001 χ^2/NDF: 3035.9/114

- sign 0.001+/-0.001 χ^2/NDF: 1562.0/57



Right In: 0.009+/-0.003 χ^2/NDF: 82.7/32

Left Out: 0.015+/-0.002 χ^2/NDF:52.1/23

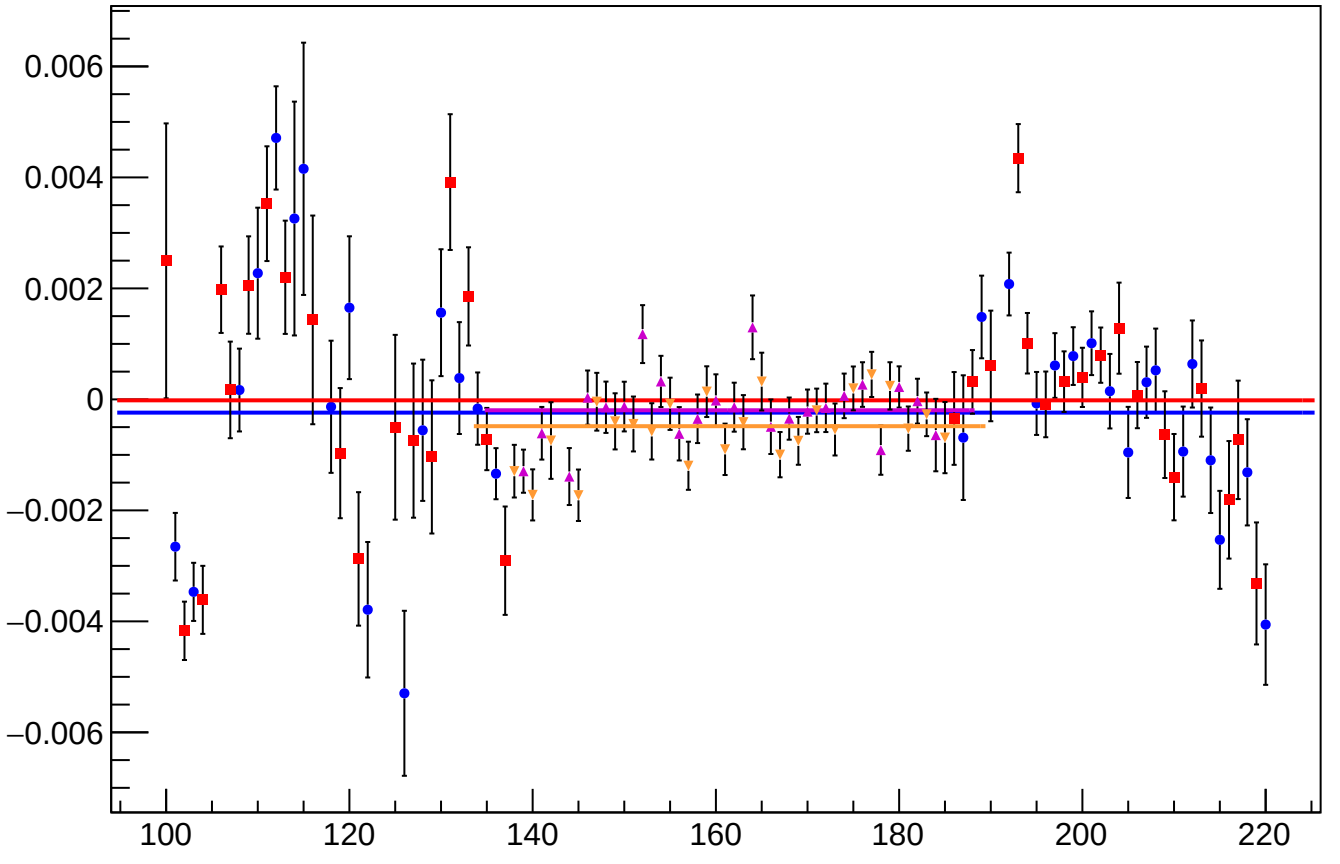
Right Out: 0.004+/-0.003 χ^2/NDF: 89.9/34

Left In: 0.016+/-0.002 χ^2/NDF:58.0/22

+ sign 0.013+/-0.002 χ^2/NDF: 137.4/56

All: 0.012+/-0.001 χ^2/NDF: 297.5/114

- sign 0.012+/-0.002 χ^2/NDF: 159.9/57



Right In: -0.000+/-0.000 χ^2/NDF: 183.4/32

Left Out: -0.000+/-0.000 χ^2/NDF:40.8/23

Right Out: -0.000+/-0.000 χ^2/NDF: 236.7/34

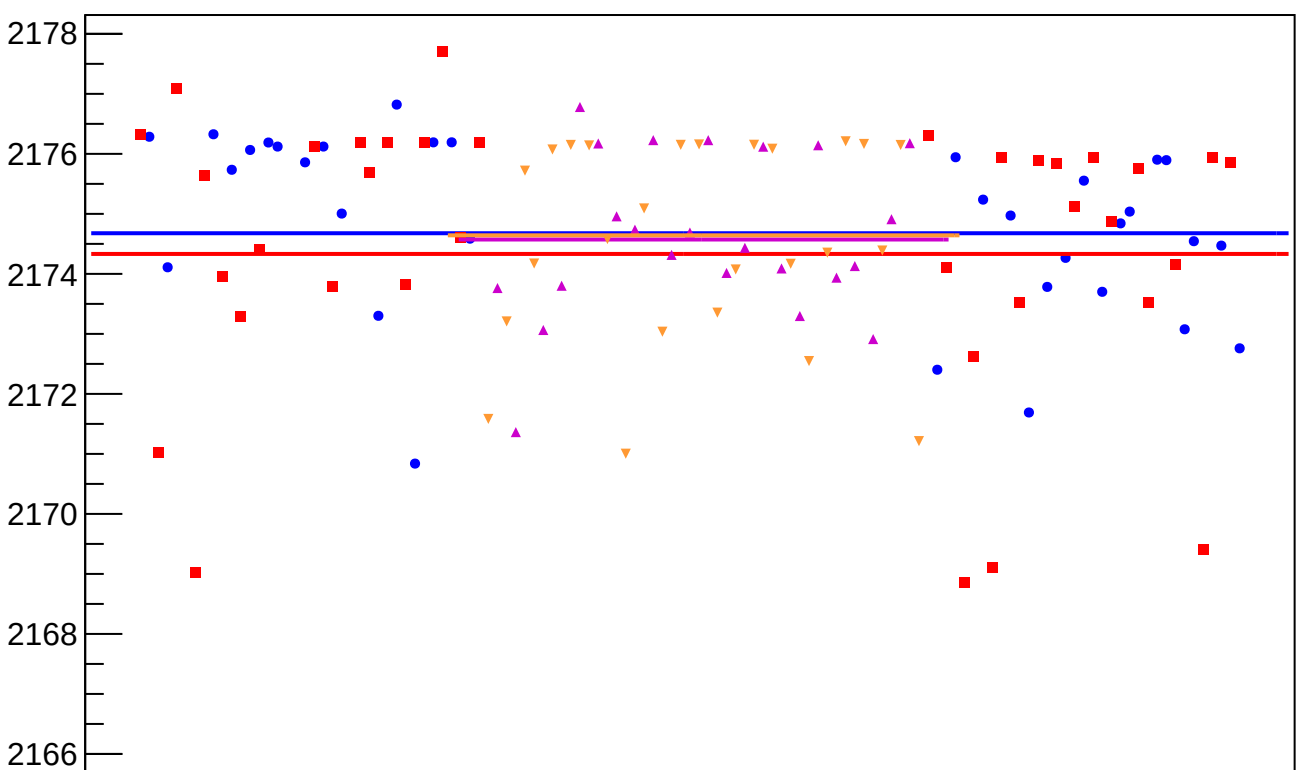
Left In: -0.000+/-0.000 χ^2/NDF:37.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 226.5/56

All: -0.000+/-0.000 χ^2/NDF: 507.8/114

- sign -0.000+/-0.000 χ^2/NDF: 275.2/57

HALLA_p_mean vs Slug



Right In: 2174.677+/-0.000 χ^2/NDF: 403787107565464396968504454440550 4.0/32

Left Out: 2174.643+/-0.000 χ^2/NDF:52116844463194421571996575984517120.0/24

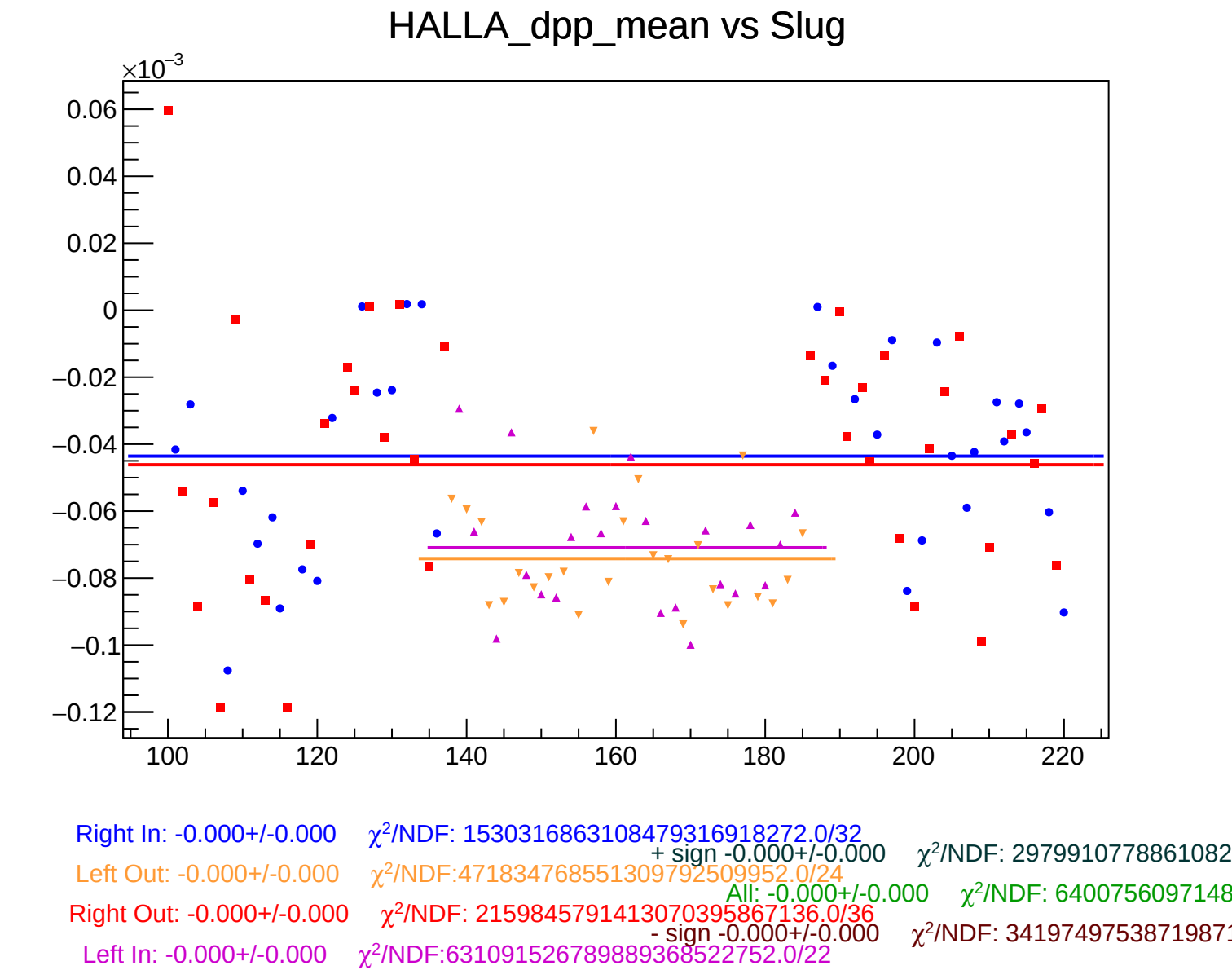
Right Out: 2174.332+/-0.000 χ^2/NDF: 124782285356908413547835721515008000.0/36

Left In: 2174.573+/-0.000 χ^2/NDF:34312670977938388457288638157291520.0/22

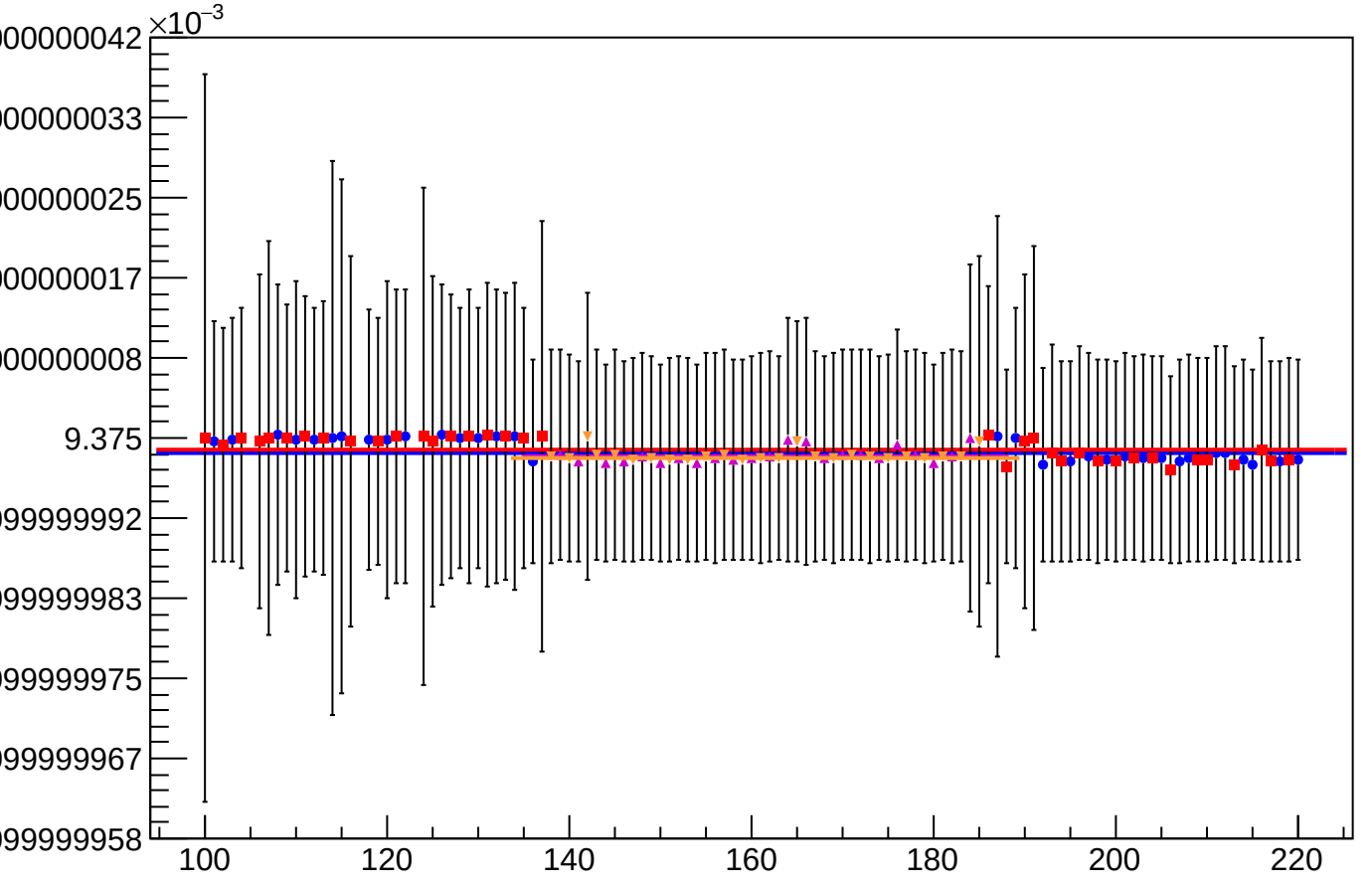
+ sign 2174.661+/-0.000 χ^2/NDF: 92508179800631

All: 2174.553+/-0.000 χ^2/NDF: 2531704715

- sign 2174.444+/-0.000 χ^2/NDF: 15968705019233


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
220
Right In: -0.000+/-0.000 χ²/NDF: 153031686310847931691827 2.0/32
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099 52.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 215984579141307039586713 6.0/36
Left In: -0.000+/-0.000 χ²/NDF:631091526789889368522752.0/22
+ sign -0.000+/-0.000 χ²/NDF: 2979910778861082
All: -0.000+/-0.000 χ²/NDF: 6400756097148
- sign -0.000+/-0.000 χ²/NDF: 3419749753871987

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/32

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/36

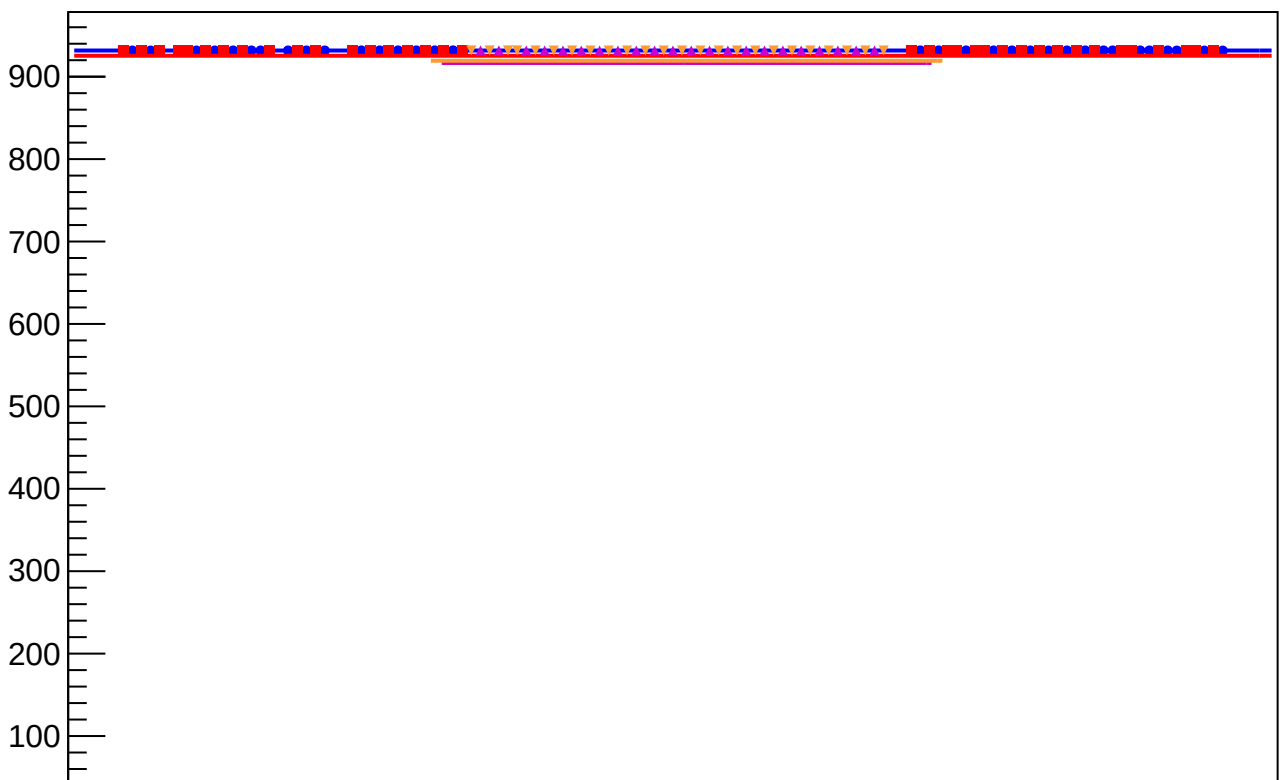
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/57

All: 0.009+/-0.000 χ^2/NDF: 1.0/117

- sign 0.009+/-0.000 χ^2/NDF: 0.5/59

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.758+/-0.000 χ^2/NDF: 875423388034555923000190409113 6.0/32

+ sign 925.767+/-0.000 χ^2/NDF: 231819068752621

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812 43648.0/24

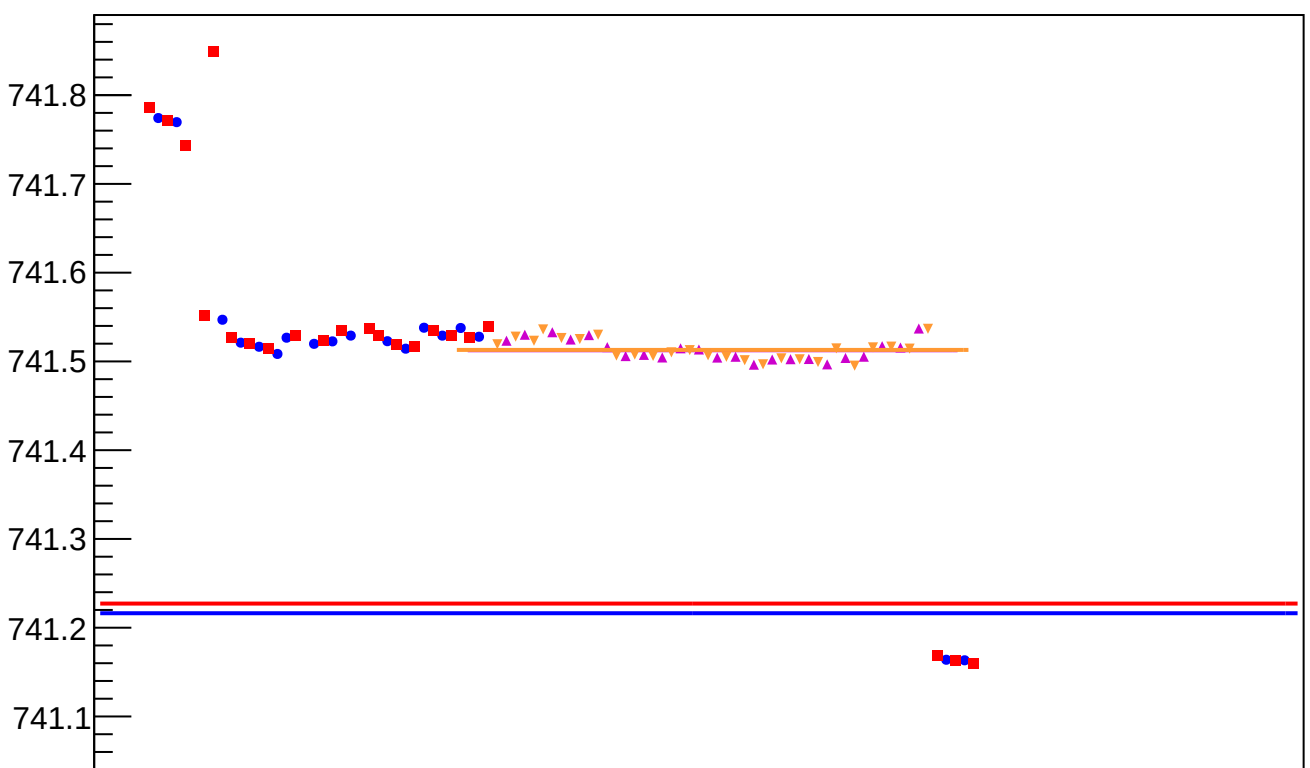
All: 923.584+/-0.000 χ^2/NDF: 626040286144

Right Out: 925.434+/-0.000 χ^2/NDF: 1293337326132345214943365139999909 4784.0/36

- sign 921.367+/-0.000 χ^2/NDF: 393819894504317

Left In: 916.654+/-0.000 χ^2/NDF:263697449311835480737856648421855723 52.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.216+/-0.000 χ^2/NDF: 14788207044324551537224906178560 0.0/32

Left Out: 741.513+/-0.000 χ^2/NDF:2519763107681262962318896005120.0/24

Right Out: 741.227+/-0.000 χ^2/NDF: 153041687196508102944580429676544.0/36

Left In: 741.513+/-0.000 χ^2/NDF:234703983030085423185895882752.0/22

+ sign 741.360+/-0.000 χ^2/NDF: 239991499321535

All: 741.359+/-0.000 χ^2/NDF: 476601143509

- sign 741.359+/-0.000 χ^2/NDF: 236609596347047

HacL_Q3_HP3458A_IOUT_mean vs Slug

Right In: 980.803+/-0.000 χ^2/NDF: 19598188157698058145083194081280.0/32

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

Right Out: 980.783+/-0.000 χ^2/NDF: 6364003421789029334335095203430 4.0/36

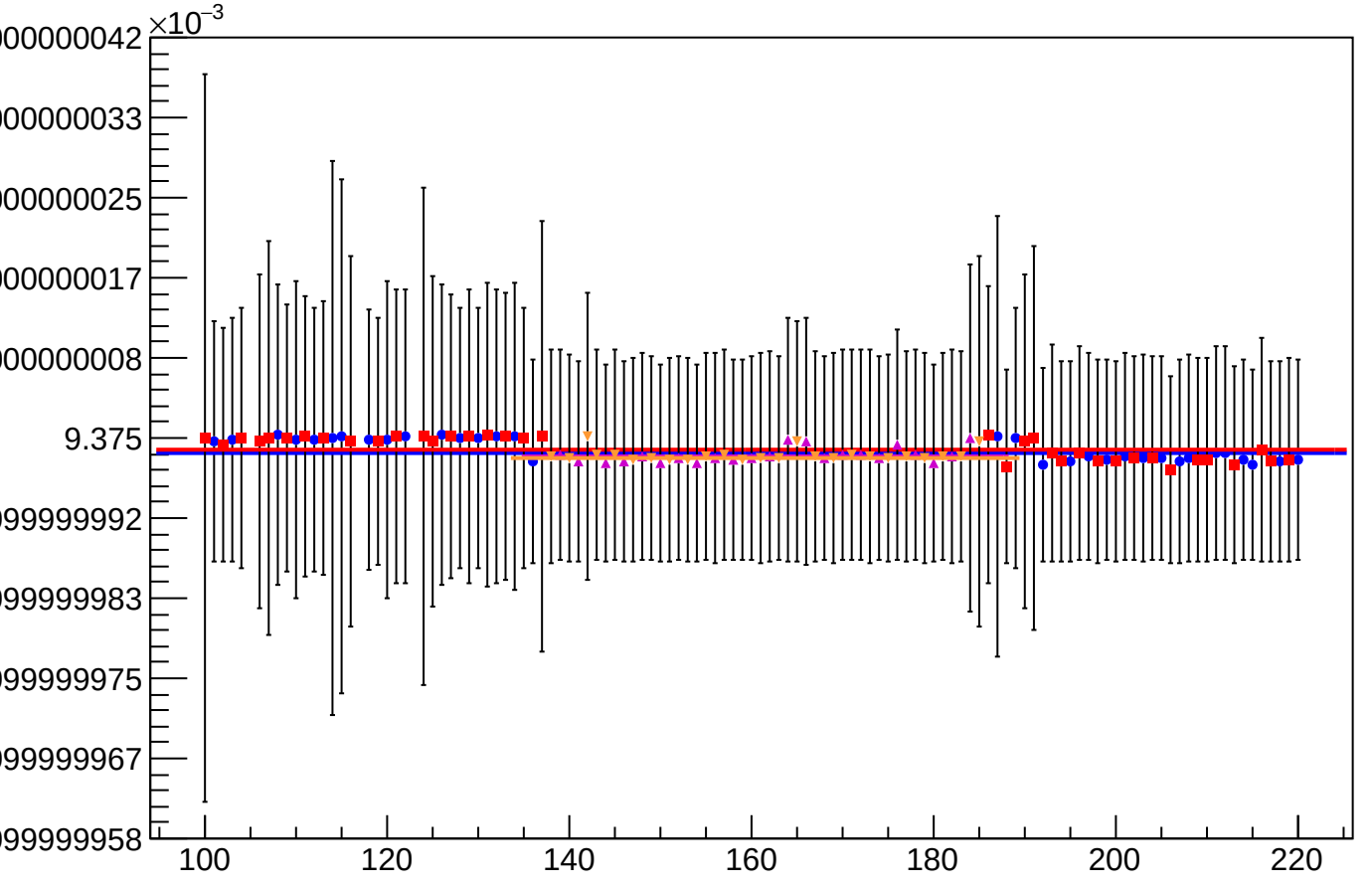
Left In: 964.854+/-0.000 χ^2/NDF:29215838960103078784112845628245016576.0/22

+ sign 974.466+/-0.000 χ^2/NDF: 256850031865634

All: 973.940+/-0.000 χ^2/NDF: 551628468868

- sign 973.405+/-0.000 χ^2/NDF: 294755088833318

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/32

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/36

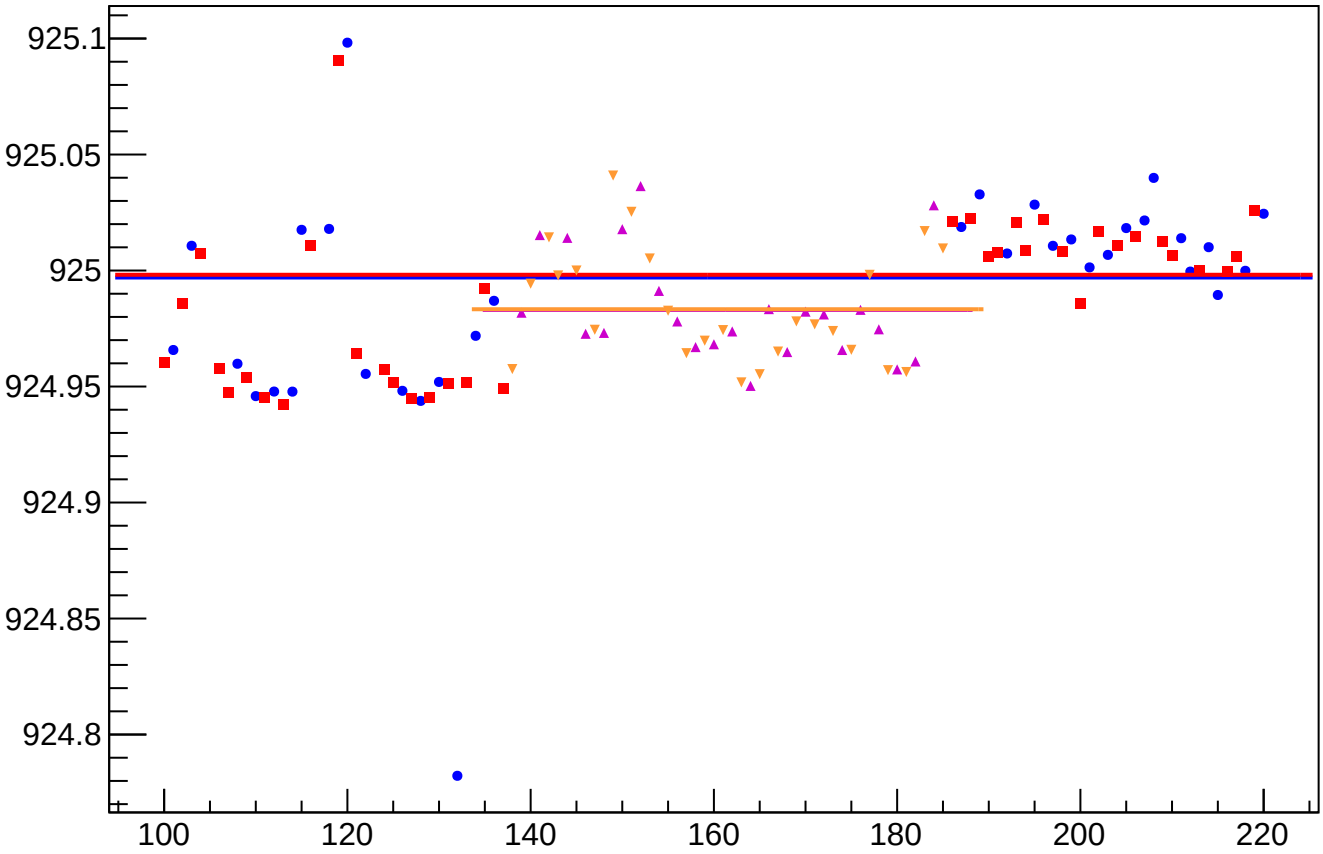
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/57

All: 0.009+/-0.000 χ^2/NDF: 1.0/117

- sign 0.009+/-0.000 χ^2/NDF: 0.5/59

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.997+/-0.000 χ^2/NDF: 3846628016123989122156152750080.0/32

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.998+/-0.000 χ^2/NDF: 20649755715244683829818068828 16.0/36

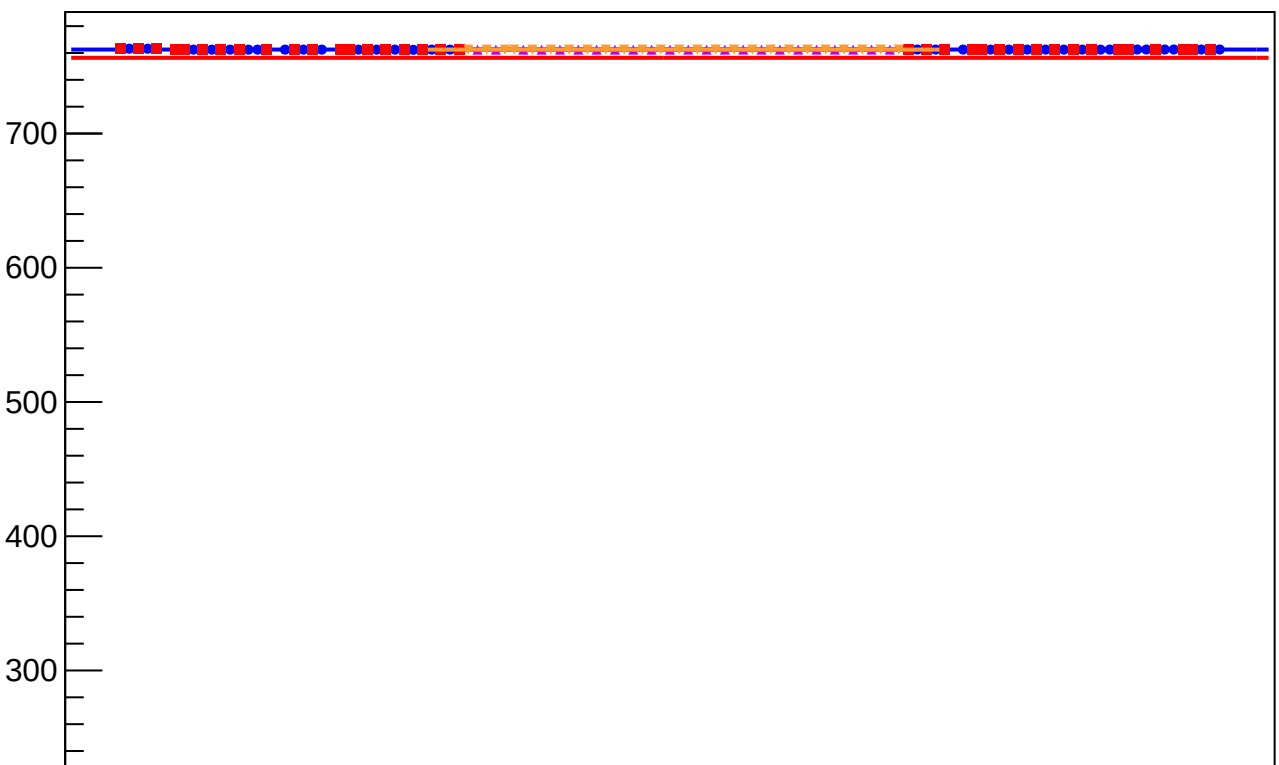
Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

+ sign 924.990+/-0.000 χ^2/NDF: 520320152034064

All: 924.991+/-0.000 χ^2/NDF: 843279043487

- sign 924.991+/-0.000 χ^2/NDF: 322838867331741

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.571+/-0.000 χ^2/NDF: 5554884208527930695970520144281 6.0/32

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

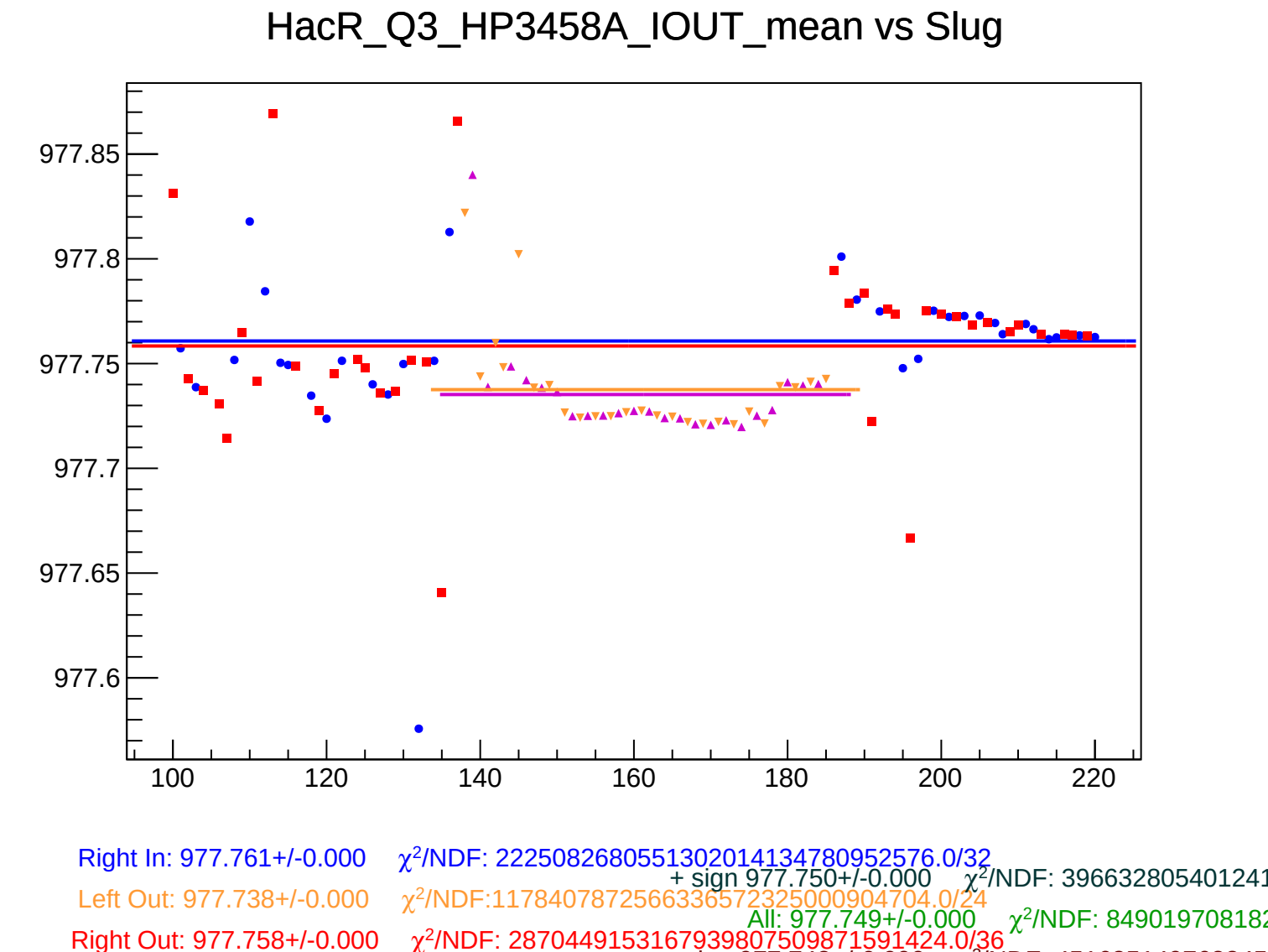
Right Out: 756.402+/-0.000 χ^2/NDF: 735525919677402594863286680795113062 4.0/36

Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

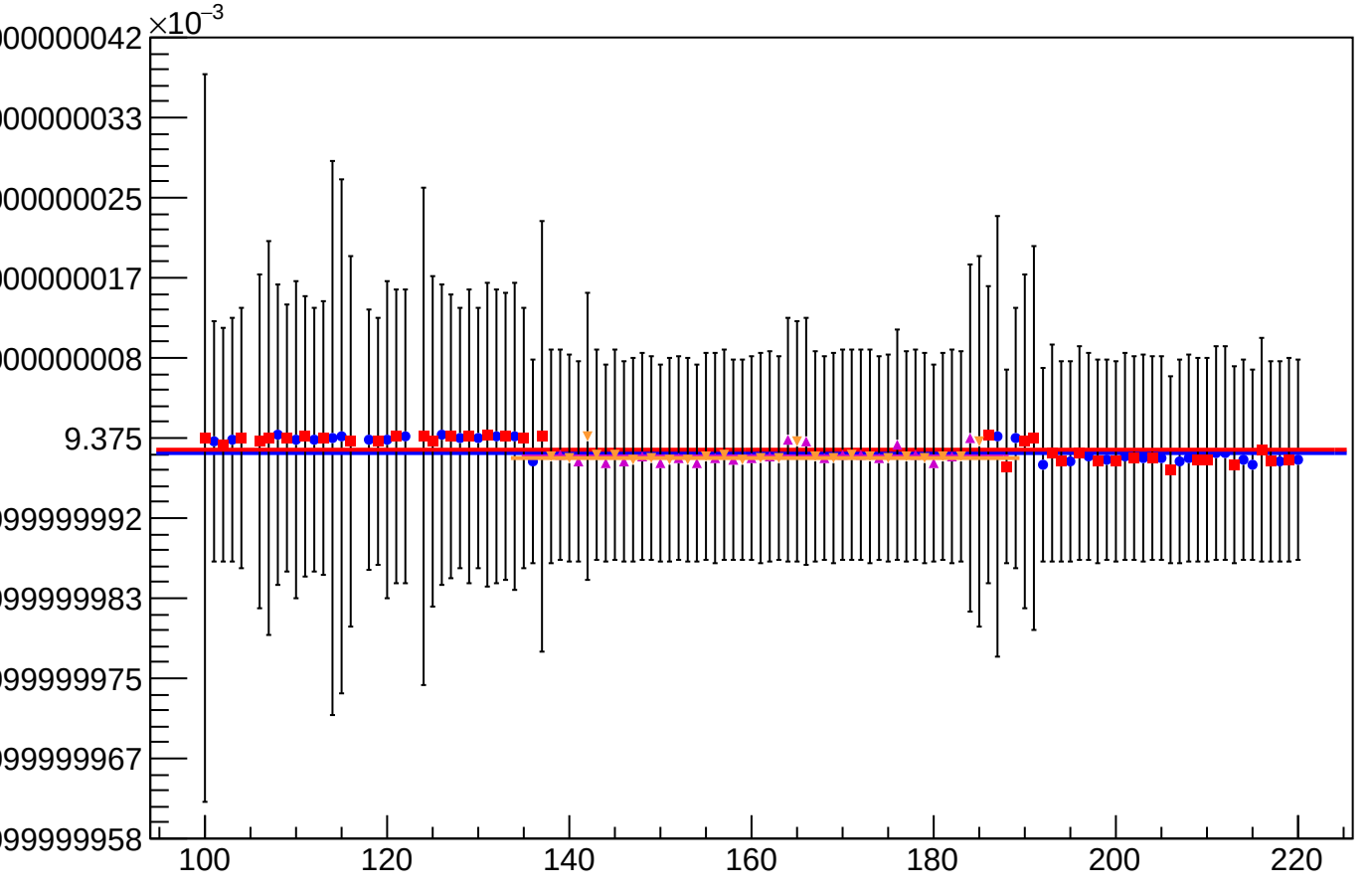
+ sign 762.546+/-0.000 χ^2/NDF: 592282808638430

All: 760.903+/-0.000 χ^2/NDF: 7416323517 93

- sign 759.235+/-0.000 χ^2/NDF: 739354012123159


HacR_Q3_HP3458A_IOUT_mean vs Slug
977.85
977.8
977.75
977.7
977.65
977.6
100
120
140
160
180
200
220
Right In: 977.761+/-0.000 χ²/NDF: 22250826805513020141347809525760/32
Left Out: 977.738+/-0.000 χ²/NDF:1178407872566336572325000904704.0/24
Right Out: 977.758+/-0.000 χ²/NDF: 2870449153167939807509871591424.0/36
Left In: 977.735+/-0.000 χ²/NDF:109676643760541725462707254067 2.0/22
+ sign 977.750+/-0.000 χ²/NDF: 396632805401241
All: 977.749+/-0.000 χ²/NDF: 849019708182
- sign 977.748+/-0.000 χ²/NDF: 451635149768845

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/32

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/36

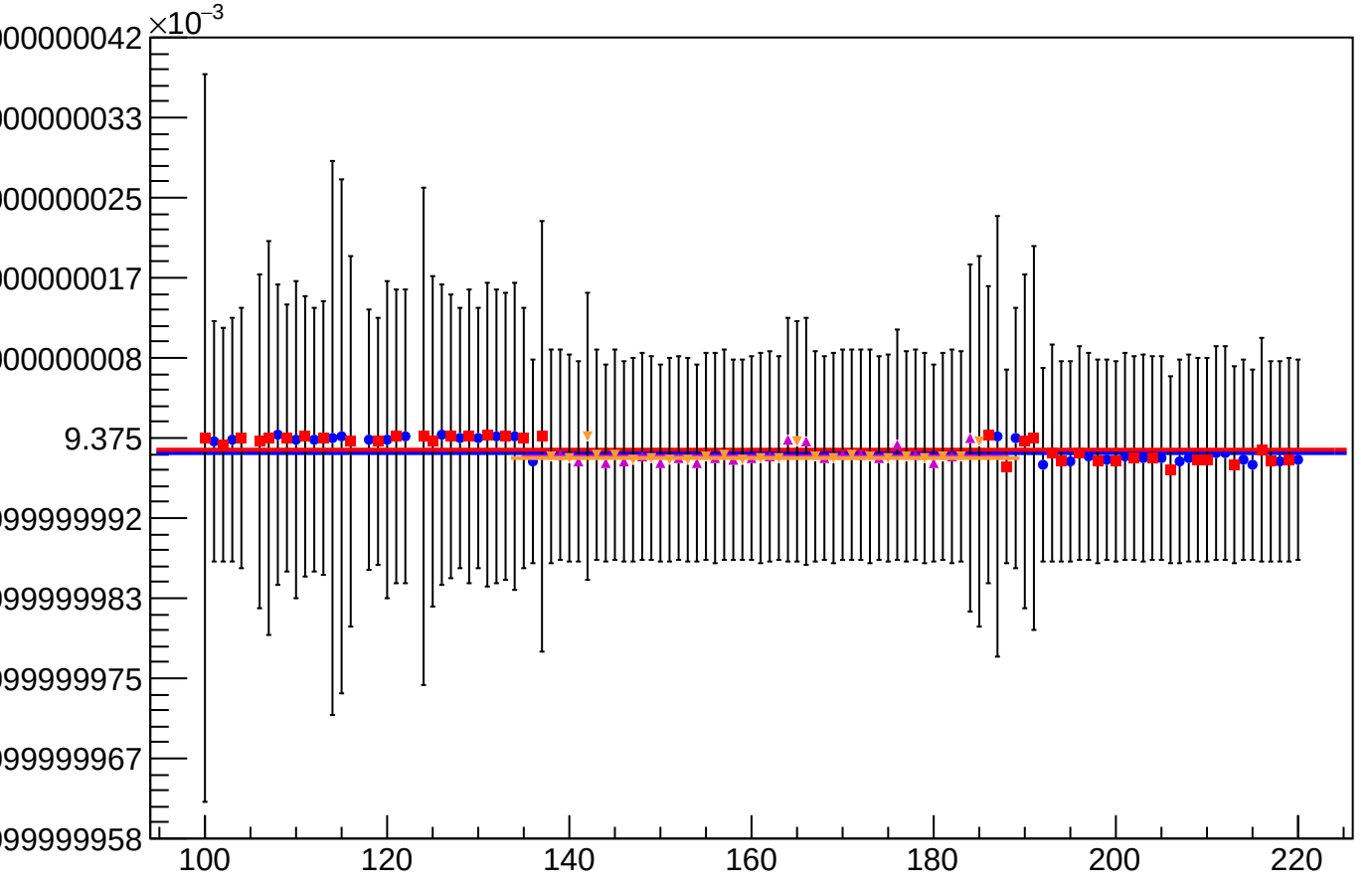
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/57

All: 0.009+/-0.000 χ^2/NDF: 1.0/117

- sign 0.009+/-0.000 χ^2/NDF: 0.5/59

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.3/32

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/36

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/57

All: 0.009+/-0.000 χ^2/NDF: 1.0/117

- sign 0.009+/-0.000 χ^2/NDF: 0.5/59

VWienAngle_mean vs Slug

Right In: 88.001+/-0.000 χ^2/NDF: 4657333.8/32

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

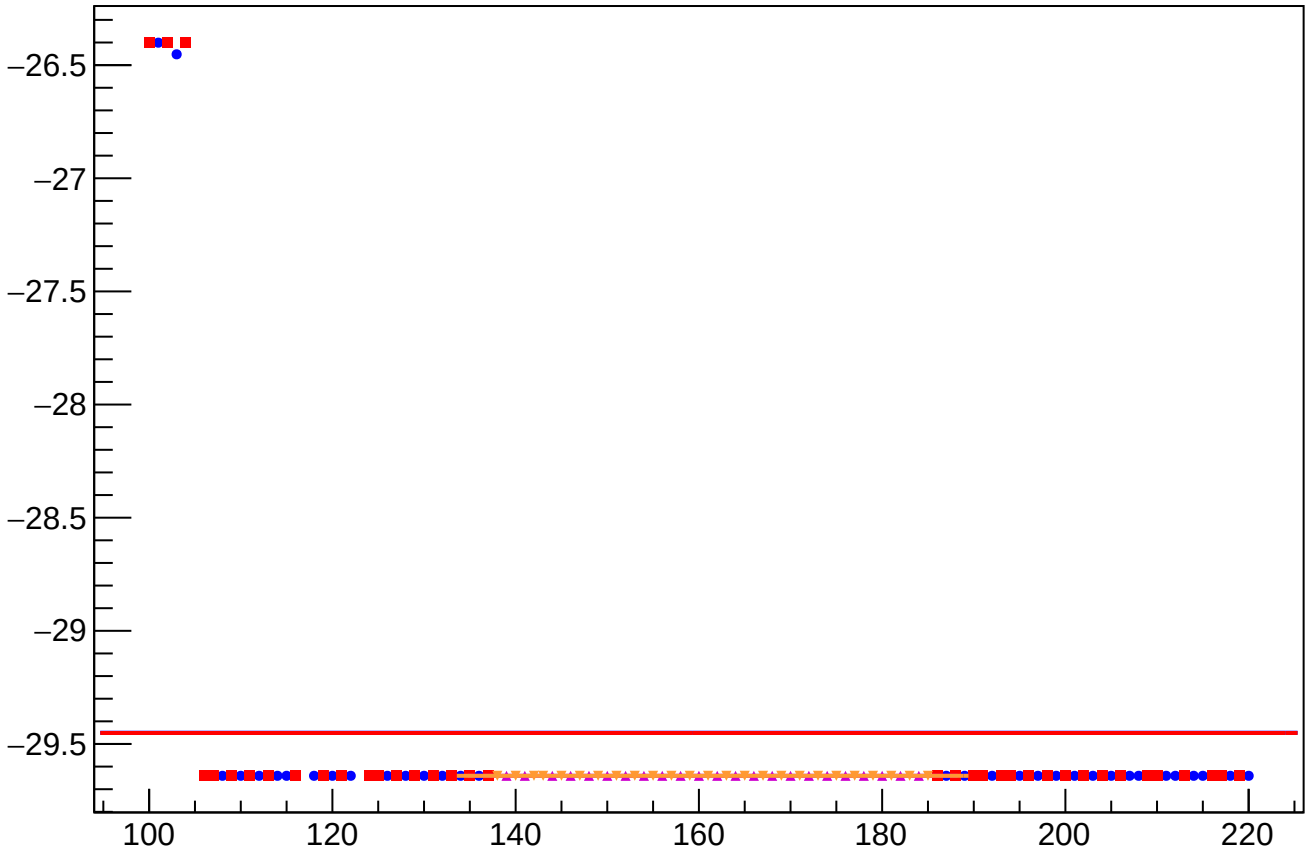
Right Out: 88.002+/-0.000 χ^2/NDF: 768778896372931767394872852480.0/36

Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign 1.777+/-0.000 χ^2/NDF: 33293808624727251

All: 3.513+/-0.000 χ^2/NDF: 659566546107960

- sign 5.277+/-0.000 χ^2/NDF: 32637450363915515



Right In: -29.450+/-0.000 χ^2/NDF: 1244549801929429803863337670279168.0/32

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

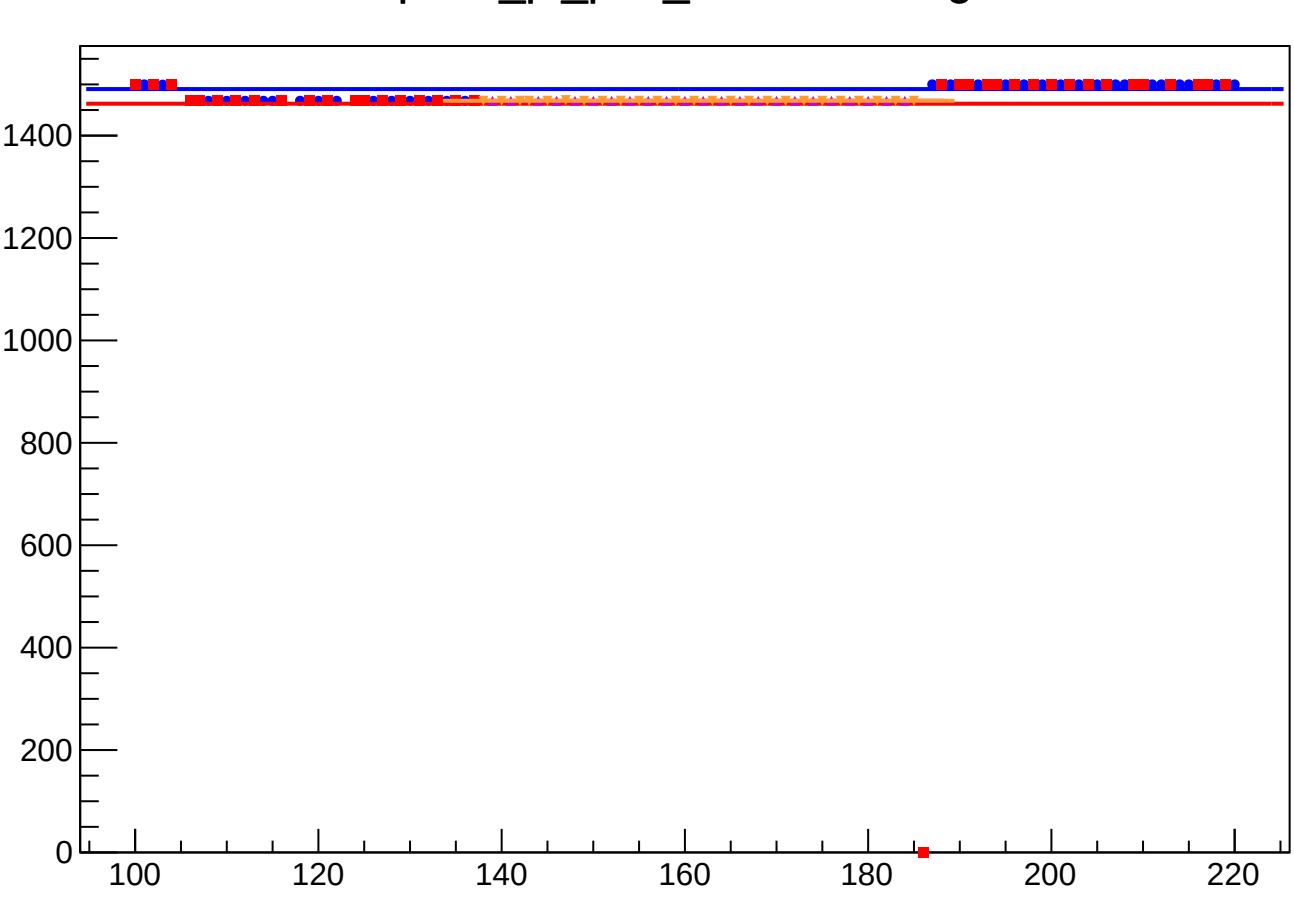
Right Out: -29.451+/-0.000 χ^2/NDF: 1275109113626072663633465557647360.0/36

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.542+/-0.000 χ^2/NDF: 128235805861926

All: -29.541+/-0.000 χ^2/NDF: 259411662813

- sign -29.539+/-0.000 χ^2/NDF: 1311738258663417



Right In: 1490.907+/-0.000 χ^2/NDF: 44976640058475922168557248161251328 0.0/32

+ sign 1479.872+/-0.000 χ^2/NDF: 9951665544782

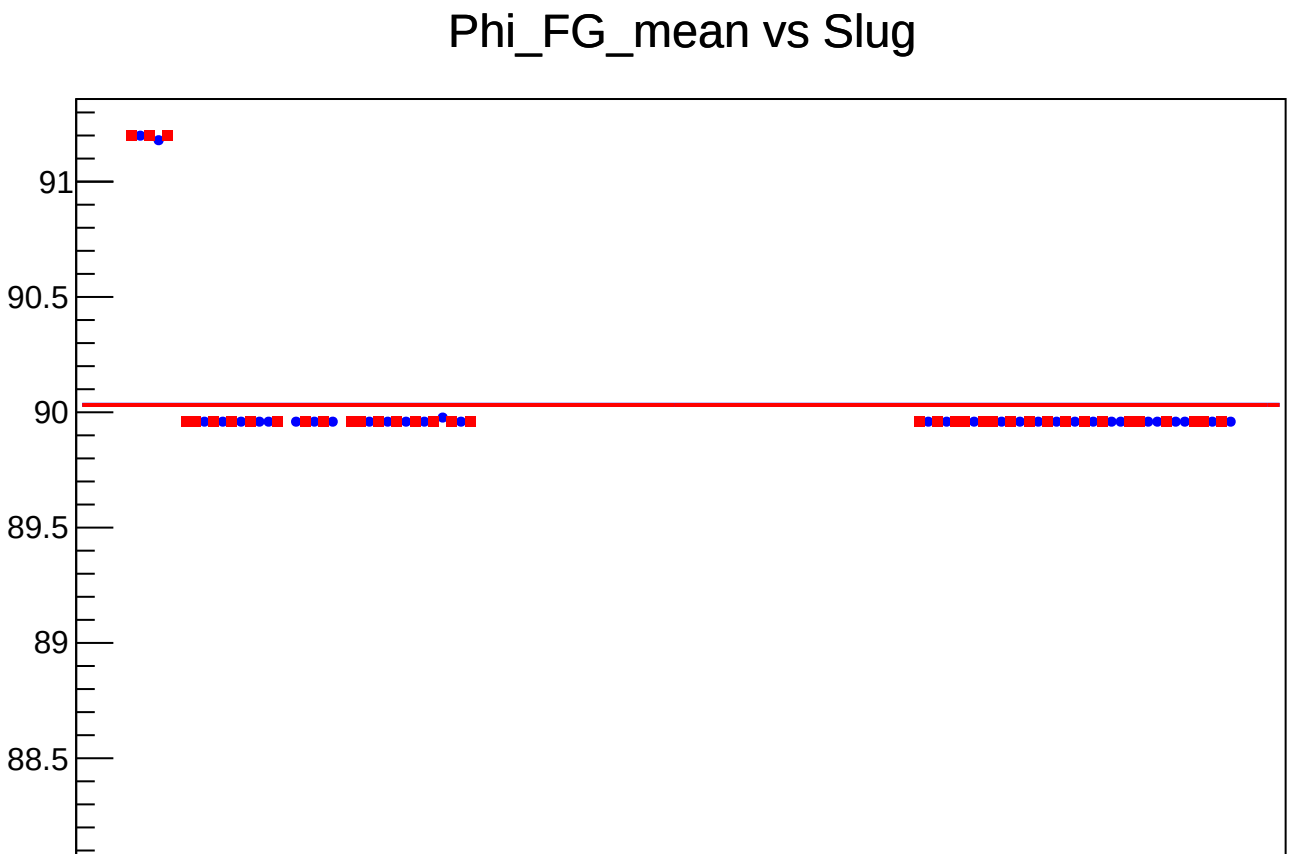
Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

All: 1472.461+/-0.000 χ^2/NDF: 9349898403

Right Out: 1462.291+/-0.000 χ^2/NDF: 92007693713298389905267586861266632704.0/36

- sign 1464.932+/-0.000 χ^2/NDF: 92040970617978

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22



Right In: 90.032+/-0.000 χ^2/NDF: 18220219061026040193207387553792 0.0/32

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.032+/-0.000 χ^2/NDF: 18676723947490323233054979522560 0.0/36

Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 89.061+/-0.000 χ^2/NDF: 4406462087874519

All: 89.081+/-0.000 χ^2/NDF: 8734245003363

- sign 89.100+/-0.000 χ^2/NDF: 4324626997364052

IGL1I00DI24_24M_mean vs Slug

Right In: 16.009+/-0.000 χ^2/NDF: 9939827628055045561384960.0/32

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 22583579773521684059914240.0/36

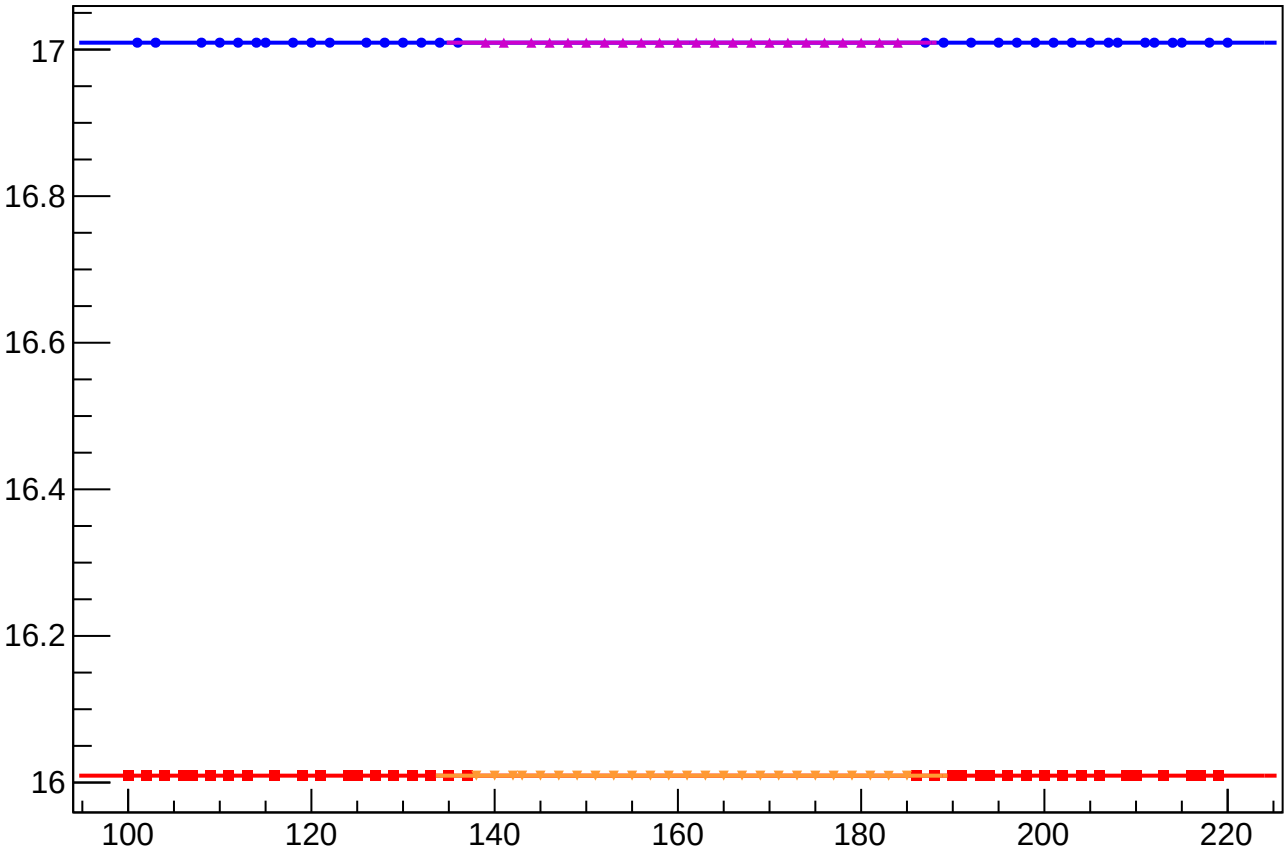
Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.478+/-0.000 χ^2/NDF: 9946000554484348

All: 16.517+/-0.000 χ^2/NDF: 1974965540352

- sign 16.557+/-0.000 χ^2/NDF: 9681085587080368

IGL1I00OD16_16_mean vs Slug



Right In: 17.009+/-0.000 χ^2/NDF: 994155691980949213413376.0/32

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

Right Out: 16.009+/-0.000 χ^2/NDF: 24591799503687635697664.0/36

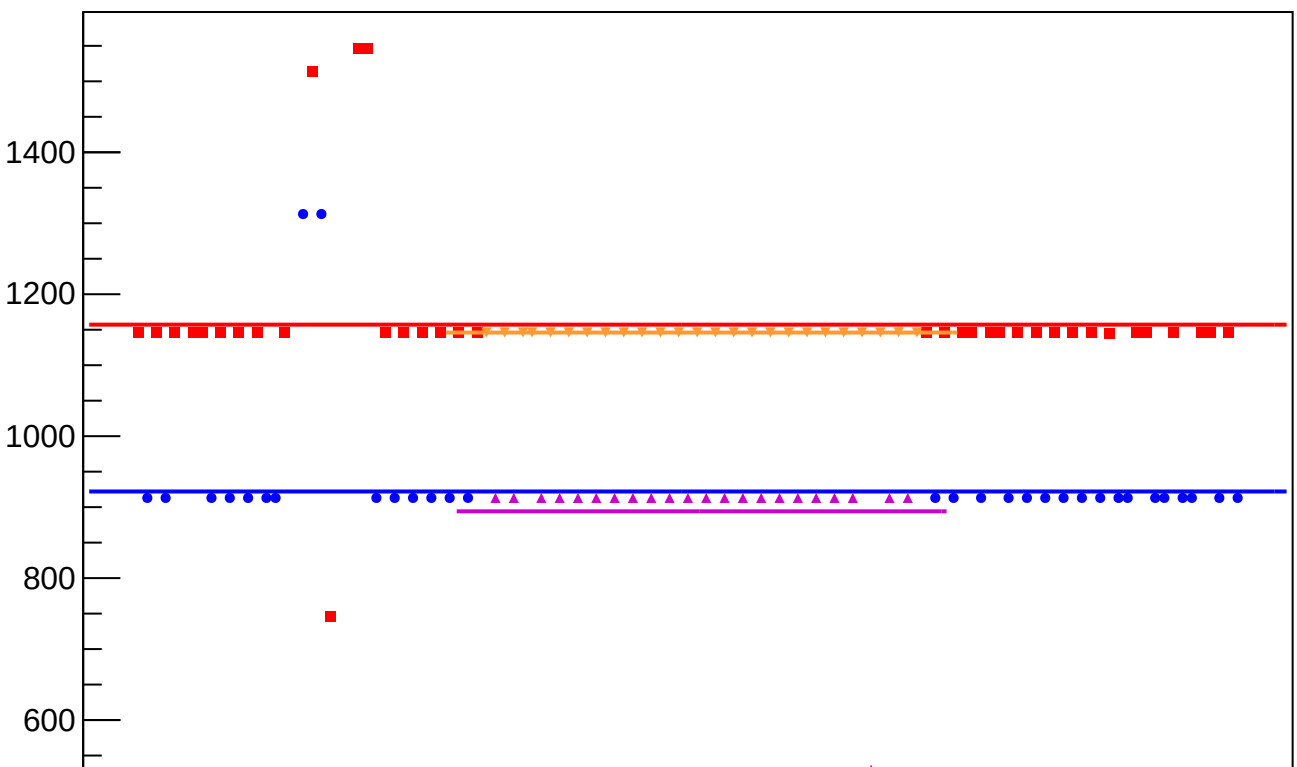
Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944 0.0/22

+ sign 16.526+/-0.000 χ^2/NDF: 1028881727117981

All: 16.497+/-0.000 χ^2/NDF: 204491655029

- sign 16.467+/-0.000 χ^2/NDF: 1008927929103295

RTPAPOSUCNT_mean vs Slug



Right In: 922.060+/-0.000 χ^2/NDF: 21423717223429451140320318493909057536.0/32

+ sign 1030.182+/-0.000 χ^2/NDF: 7377670142792

Left Out: 1146.020+/-0.000 χ^2/NDF:37030712979418714599064306974 72.0/24

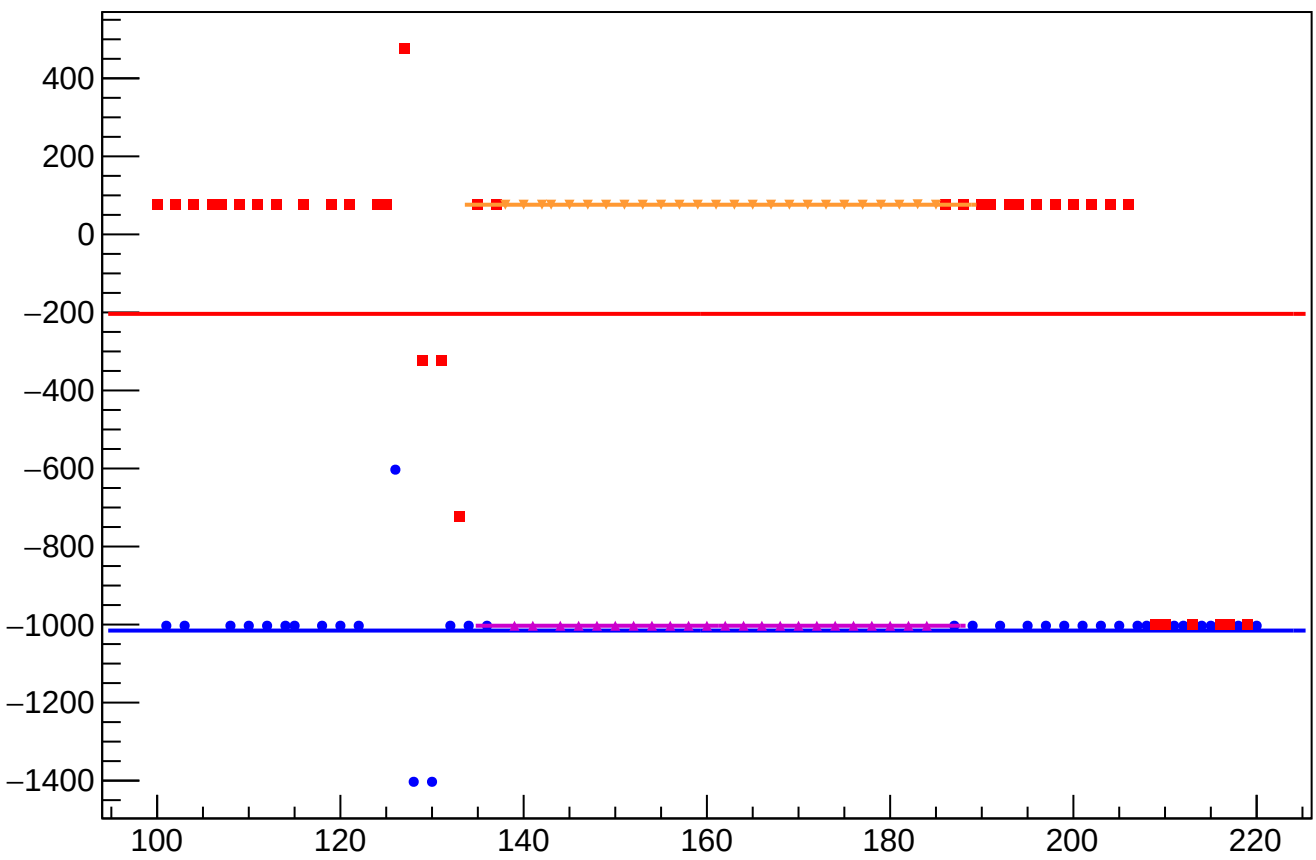
All: 1032.727+/-0.000 χ^2/NDF: 1804052859

Right Out: 1157.149+/-0.000 χ^2/NDF: 22672627163634123932983427652994990080.0/36

- sign 1035.312+/-0.000 χ^2/NDF: 10657402038006

Left In: 894.107+/-0.000 χ^2/NDF:13107238299211712783896183802964213760.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1015.385+/-0.000 χ^2/NDF: 2350748292782468486531183312739552460 8.0/32

+ sign -488.466+/-0.000 χ^2/NDF: 12668711725123

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

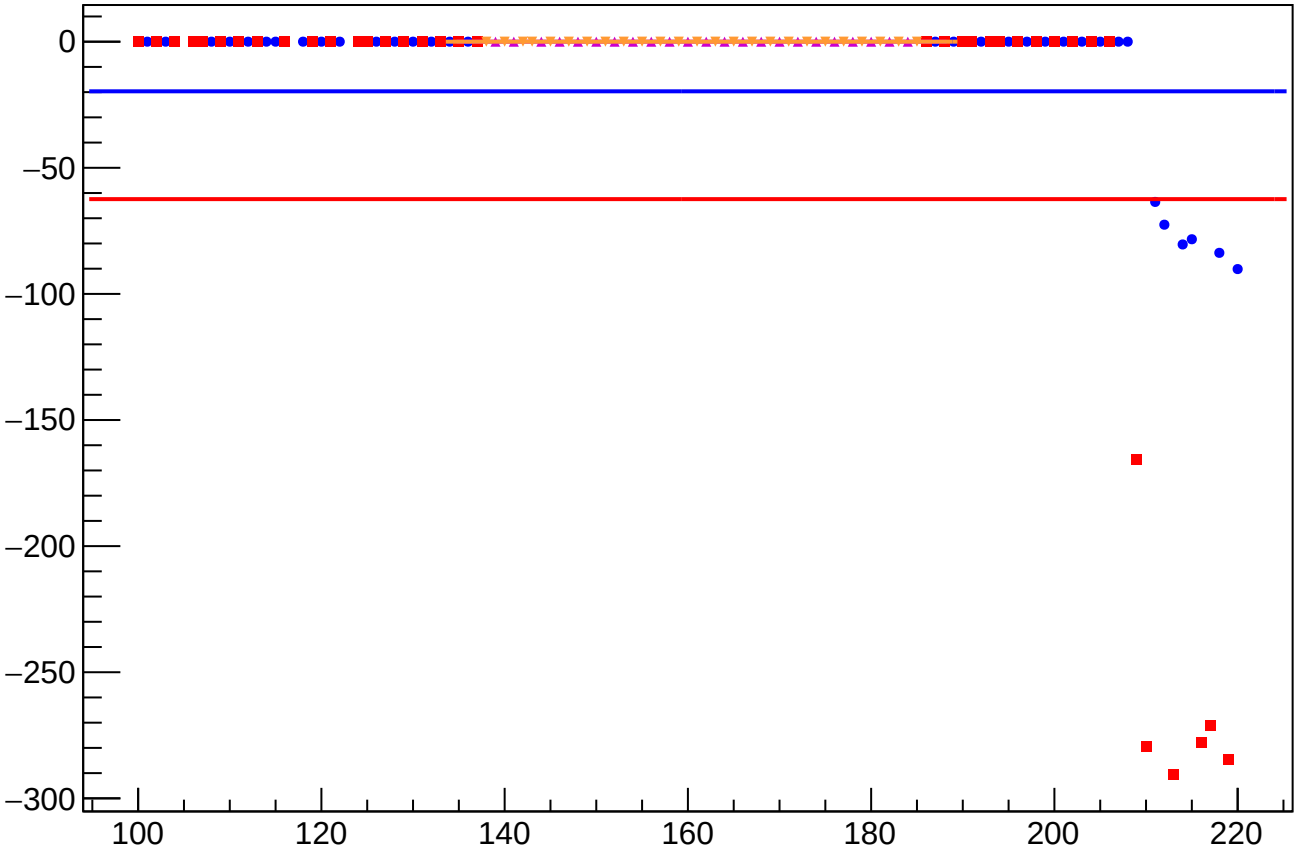
All: -530.854+/-0.000 χ^2/NDF: 2422475035

Right Out: -203.687+/-0.000 χ^2/NDF: 4867750348848077471286354535434755768 32.0/36

- sign -573.911+/-0.000 χ^2/NDF: 11404649830981

Left In: -1002.990+/-0.000 χ^2/NDF:2951955903348314753097269248.0/22

RTPPITA1CNT_mean vs Slug



Right In: -19.672+/-0.000 χ^2/NDF: 2539670113327994346669735866139672576.0/32

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

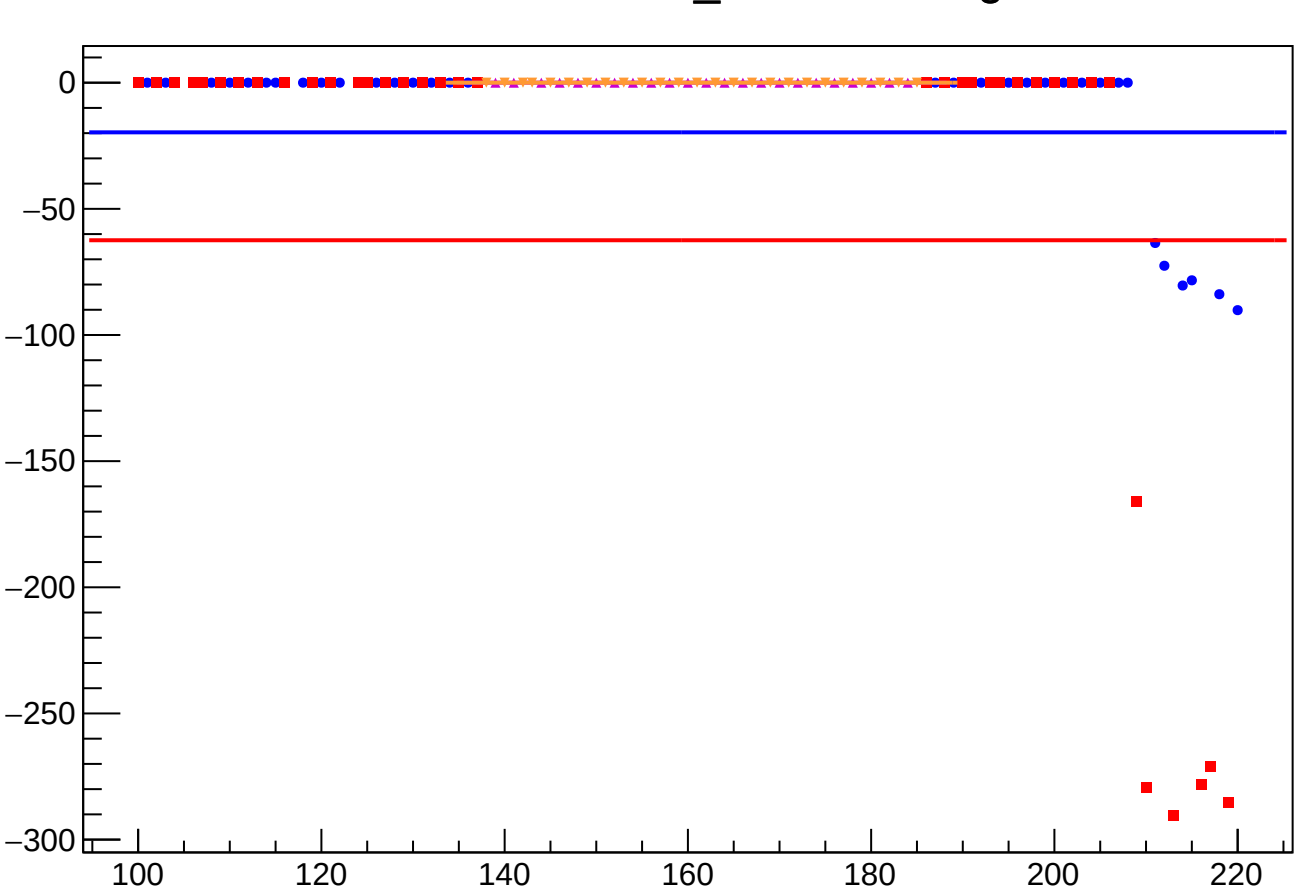
Right Out: -62.418+/-0.000 χ^2/NDF: 2847111560129339531929409460954883686 4.0/36

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign -10.170+/-0.000 χ^2/NDF: 294396472864535

All: -21.745+/-0.000 χ^2/NDF: 365315451763

- sign -33.503+/-0.000 χ^2/NDF: 3245866235786981



Right In: -19.677+/-0.000 χ^2/NDF: 254114144898688559265932149019115520 0.0/32

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: -62.447+/-0.000 χ^2/NDF: 284885569793248742431626559093567651840.0/36

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign -10.173+/-0.000 χ^2/NDF: 294565418488761

All: -21.754+/-0.000 χ^2/NDF: 365555838295

- sign -33.518+/-0.000 χ^2/NDF: 3247978169565478