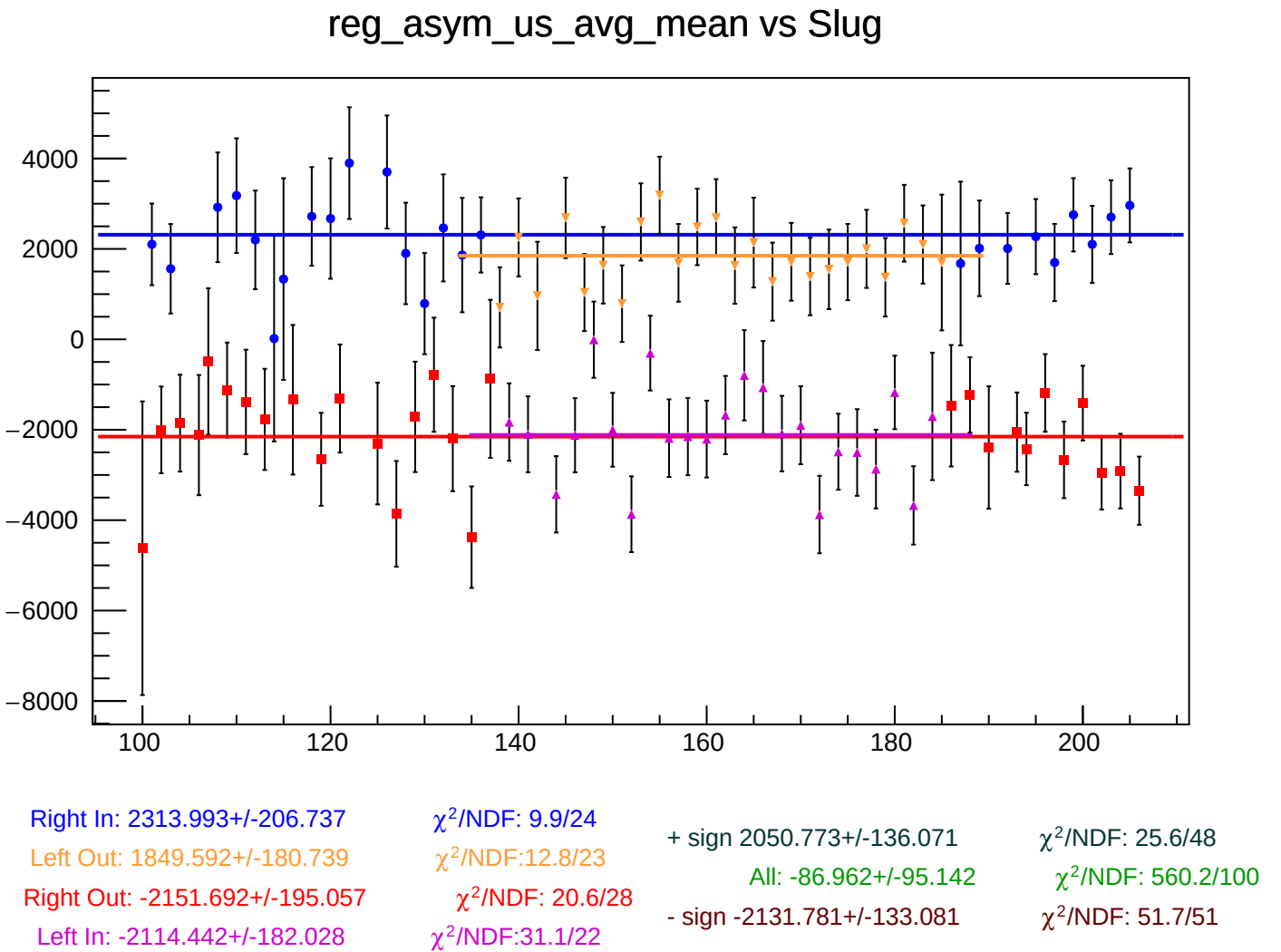


Right In: 2313.993+/-206.737 χ^2/NDF: 9.9/24

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

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

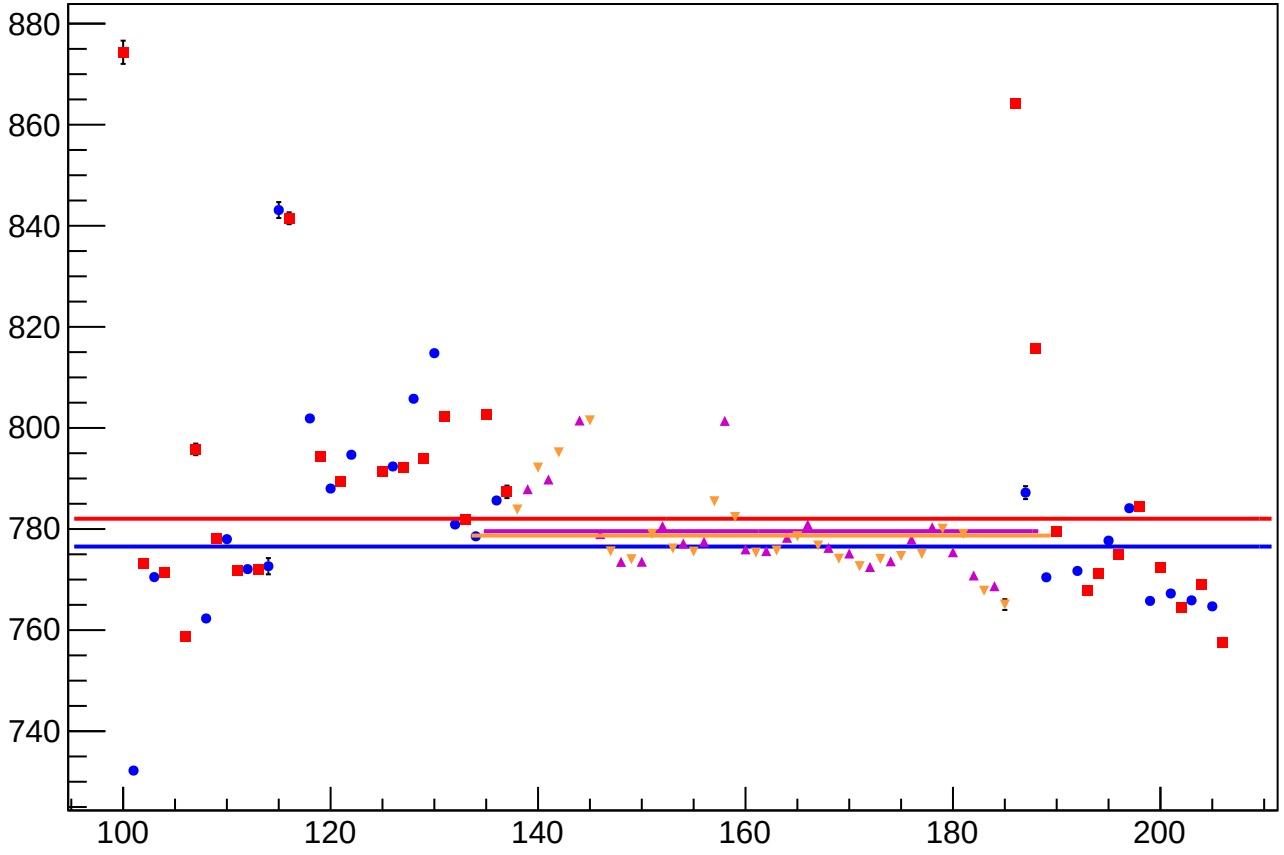
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2050.773+/-136.071 χ^2/NDF: 25.6/48

All: -86.962+/-95.142 χ^2/NDF: 560.2/100

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

reg_asym_us_avg_rms vs Slug



Right In: 776.533+/-0.146 χ^2/NDF: 14661.1/24

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

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

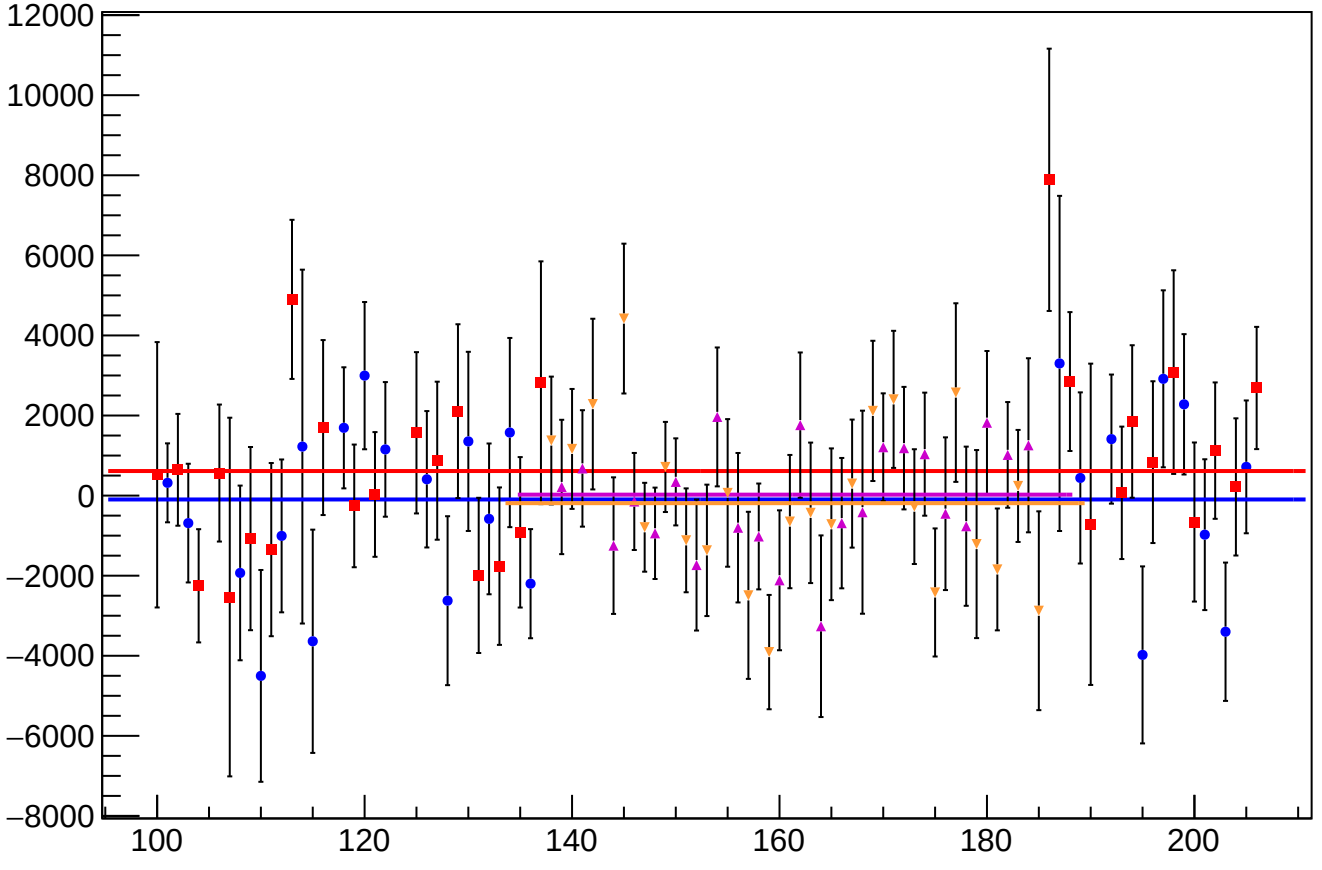
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 777.766+/-0.096 χ^2/NDF: 18176.4/48

All: 779.278+/-0.067 χ^2/NDF: 46310.0/100

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

asym_us_avg_reg_correction_mean vs Slug



Right In: -96.635+/-364.579 χ^2/NDF: 27.9/24

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

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

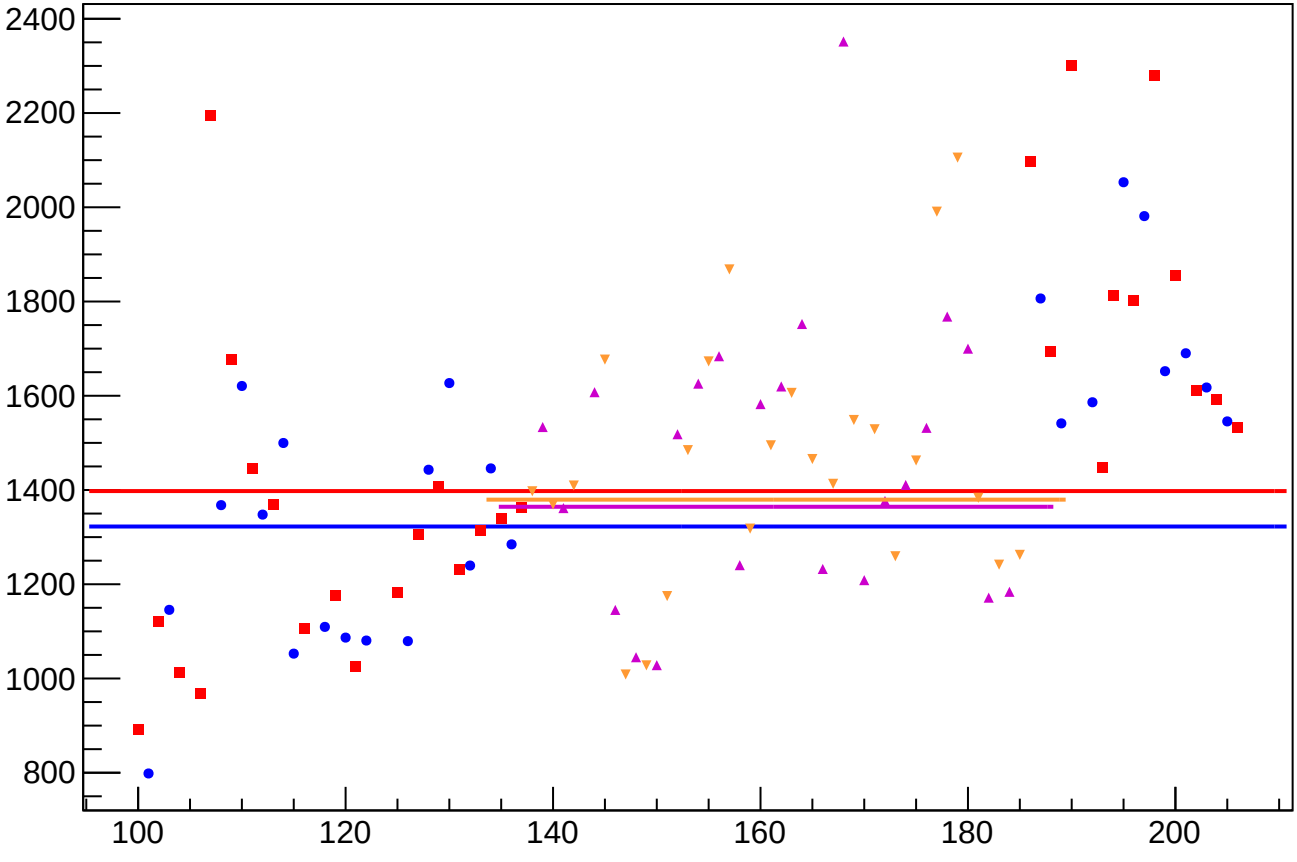
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -147.731+/-243.707 χ^2/NDF: 57.5/48

All: 72.968+/-171.527 χ^2/NDF: 101.2/100

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

asym_us_avg_reg_correction_rms vs Slug



Right In: 1322.526+/-0.258 χ^2/NDF: 1590160.5/24

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

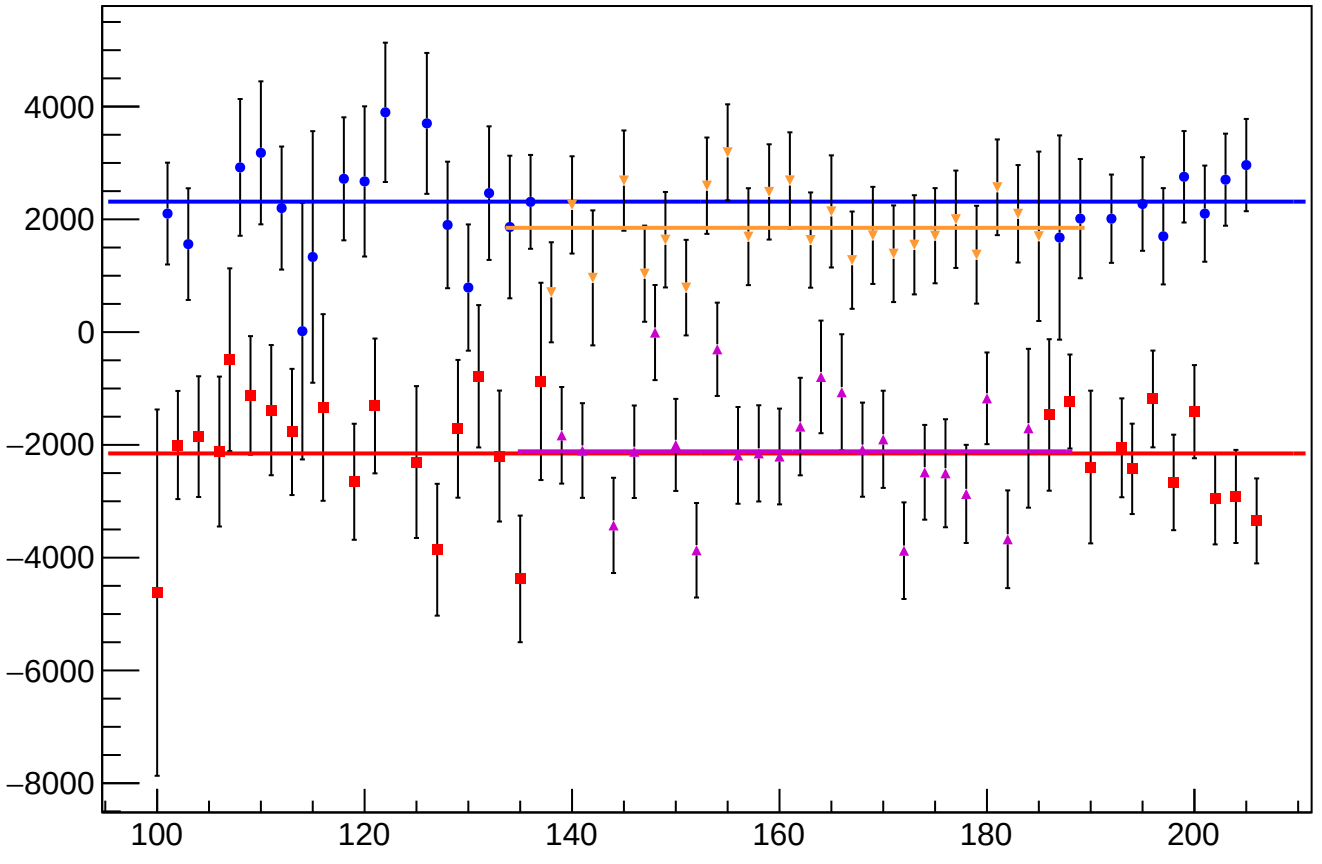
Right Out: 1397.734+/-0.254 χ^2/NDF: 1581559.1/28

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

+ sign 1354.062+/-0.172 χ^2/NDF: 2775680.7/48

All: 1366.864+/-0.121 χ^2/NDF: 5689906.8/10

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



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

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

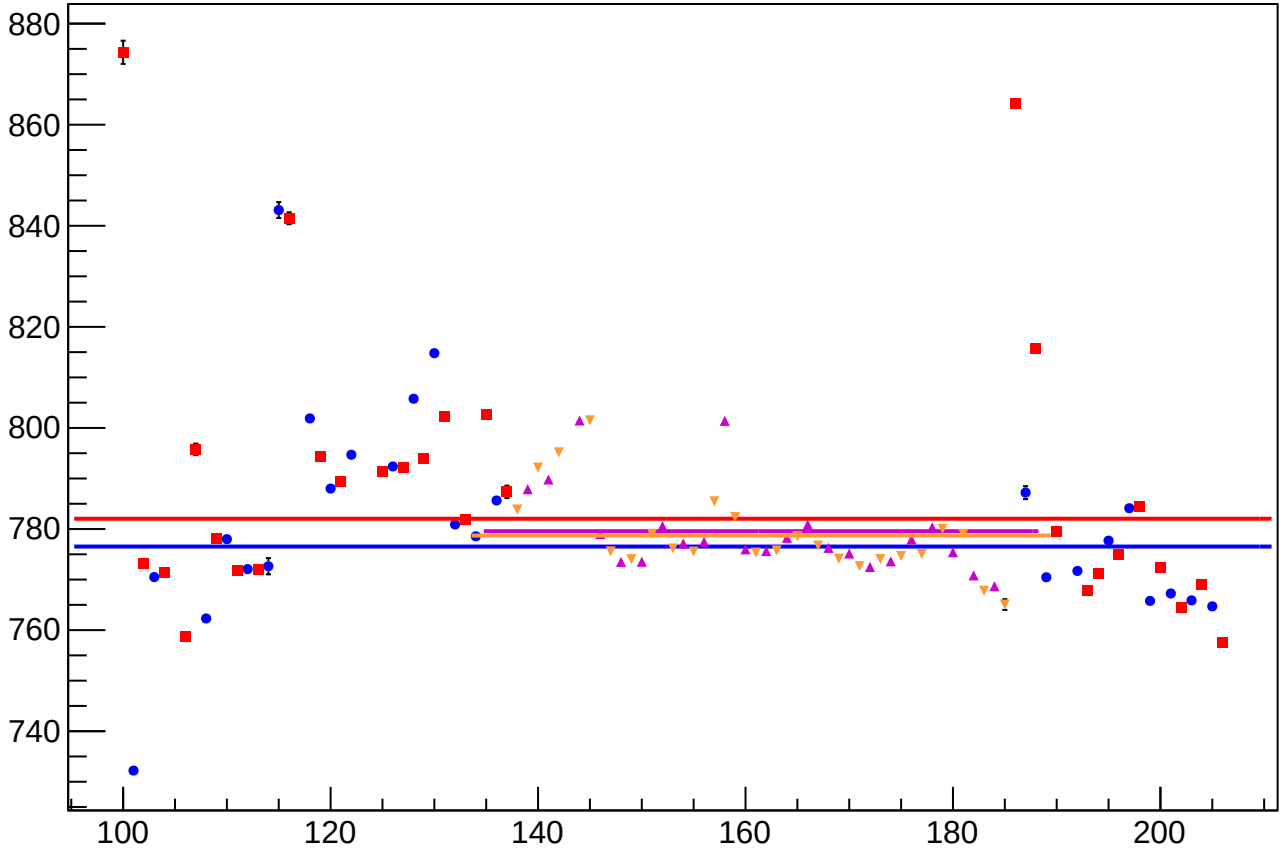
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2050.773+/-136.071 χ^2/NDF: 25.6/48

All: -86.962+/-95.142 χ^2/NDF: 560.2/100

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

cor_asym_us_avg_rms vs Slug



Right In: 776.533+/-0.146 χ^2/NDF: 14661.1/24

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

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

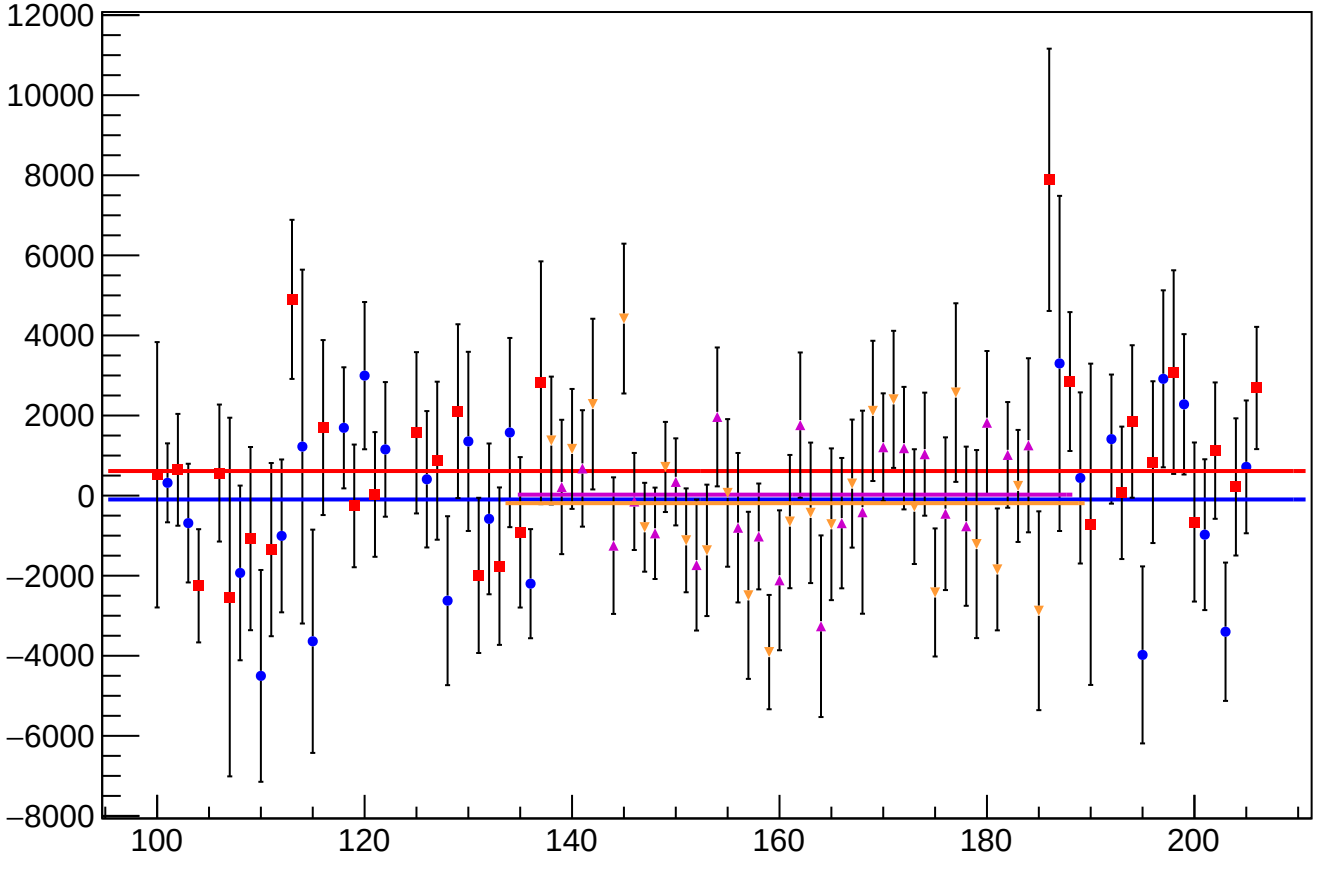
Left In: 779.575+/-0.129 χ^2/NDF:4172.9/22

+ sign 777.766+/-0.096 χ^2/NDF: 18176.4/48

All: 779.278+/-0.067 χ^2/NDF: 46310.0/100

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

asym_us_avg_cor_correction_mean vs Slug



Right In: -96.635+/-364.579 χ^2/NDF: 27.9/24

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

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

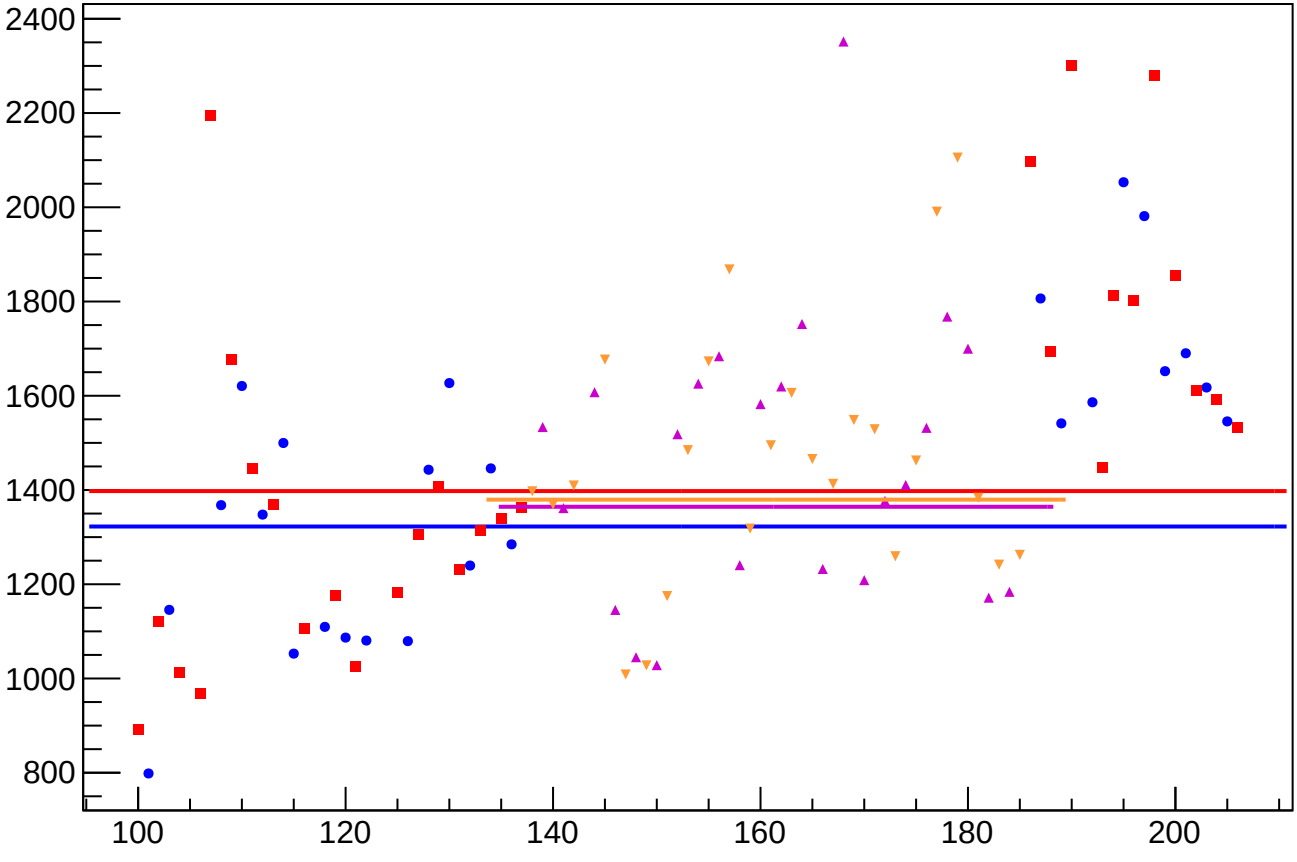
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -147.731+/-243.707 χ^2/NDF: 57.5/48

All: 72.968+/-171.527 χ^2/NDF: 101.2/100

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

asym_us_avg_cor_correction_rms vs Slug



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

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

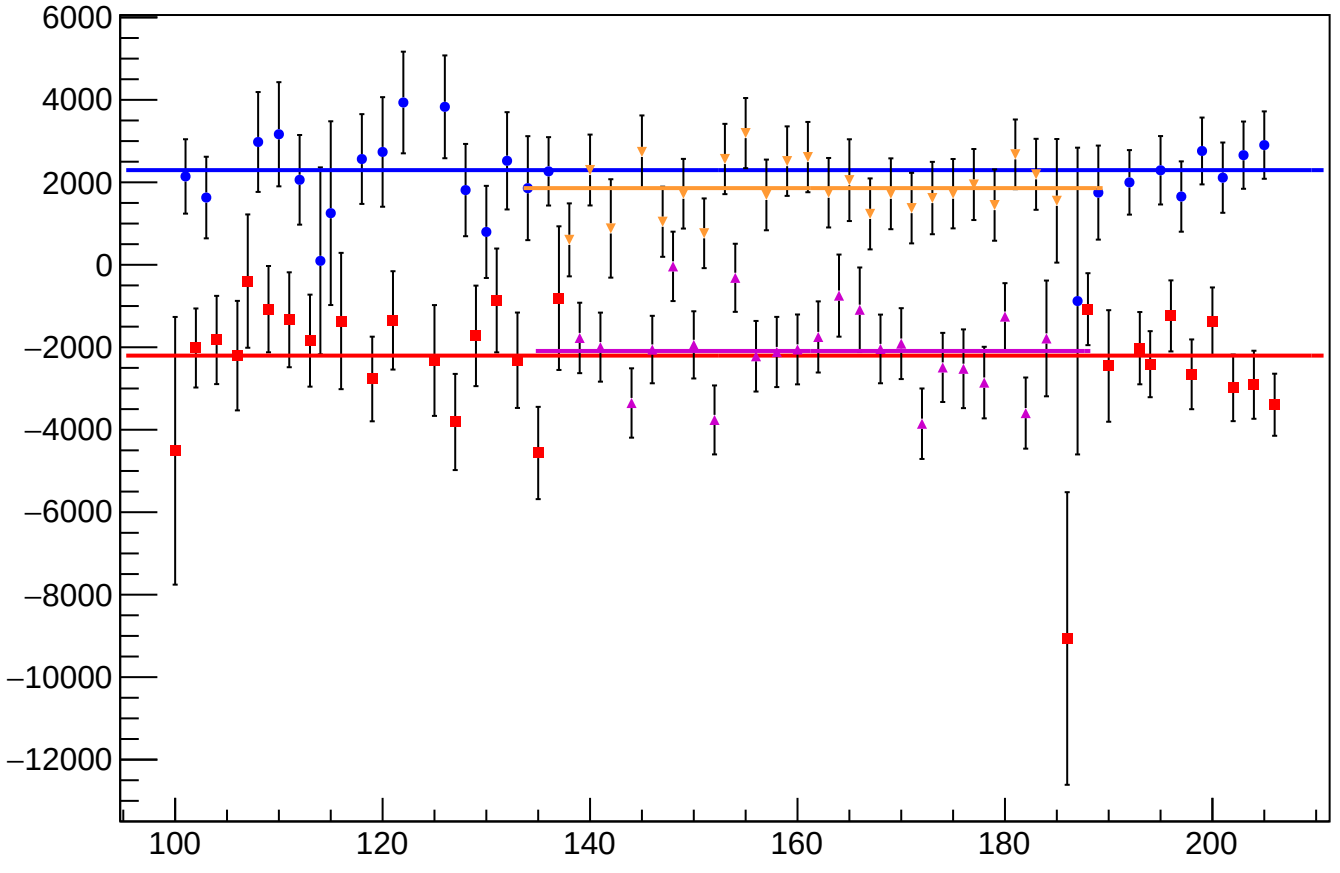
Left In: 1364.412+/-0.230 χ^2/NDF:1312299.5/22

+ sign 1354.062+/-0.172 χ^2/NDF: 2775680.7/48

All: 1366.864+/-0.121 χ^2/NDF: 5689906.8/10

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

overload_cor_asym_us_avg_mean vs Slug



Right In: 2295.790+/-207.986 χ^2/NDF: 10.9/24

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

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

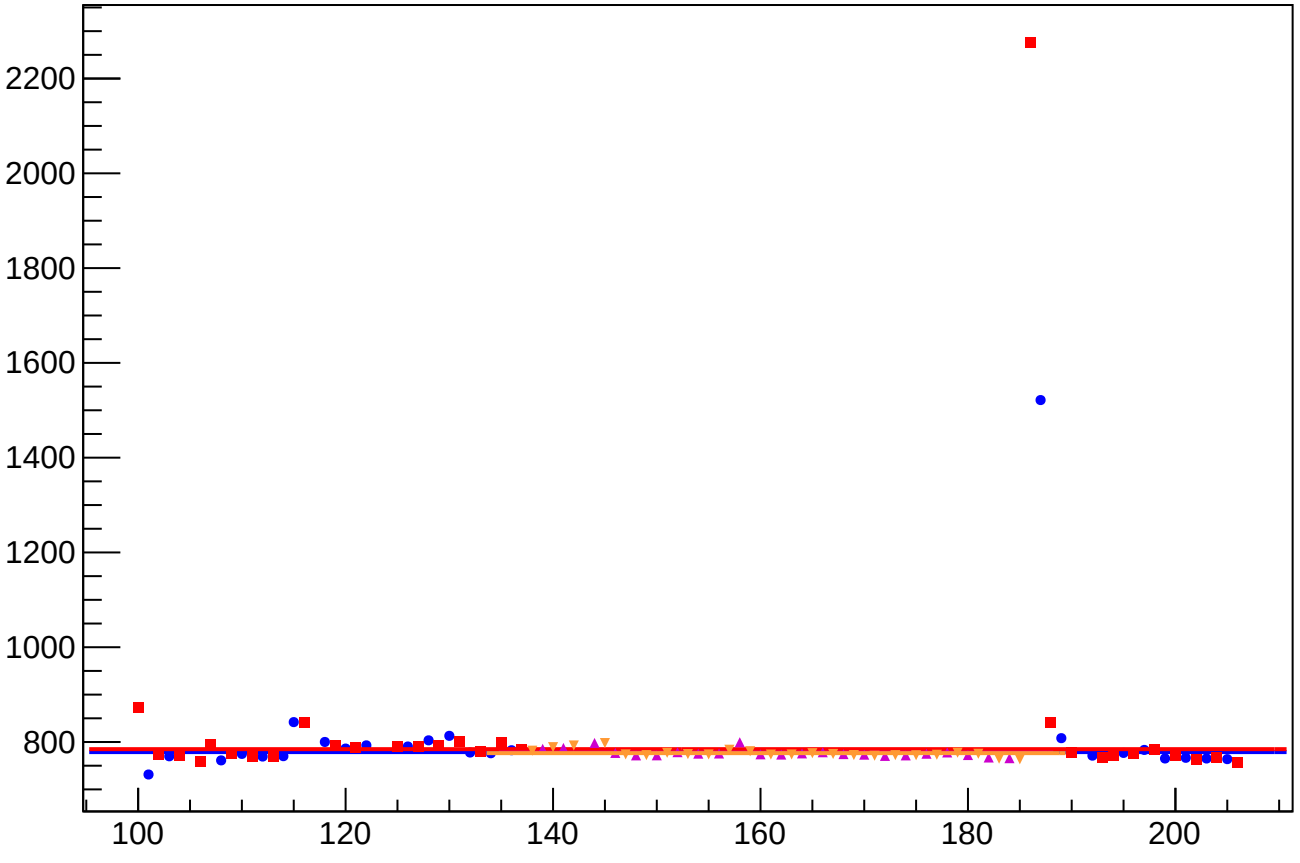
Left In: -2089.493+/-181.523 χ^2/NDF:29.6/22

+ sign 2046.627+/-136.206 χ^2/NDF: 26.9/48

All: -89.085+/-95.347 χ^2/NDF: 564.2/100

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

overload_cor_asym_us_avg_rms vs Slug



Right In: 778.715+/-0.147 χ^2/NDF: 95587.4/24

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

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

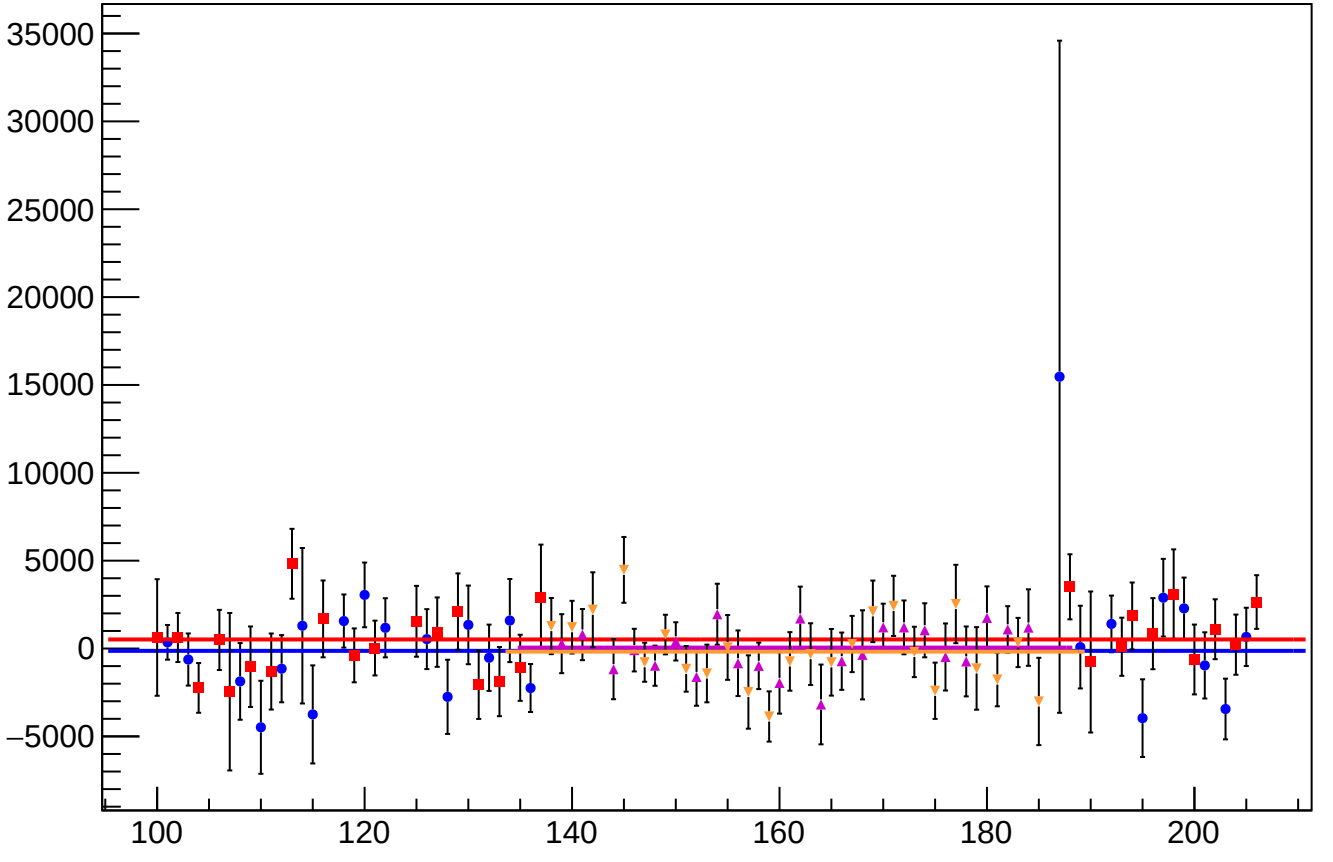
Left In: 777.413+/-0.128 χ^2/NDF:4062.1/22

+ sign 777.463+/-0.096 χ^2/NDF: 98851.5/48

All: 779.194+/-0.067 χ^2/NDF: 480941.6/100

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

asym_us_avg_overload_cor_correction_mean vs Slug



Right In: -131.933+/-367.126 χ^2/NDF: 28.2/24

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

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

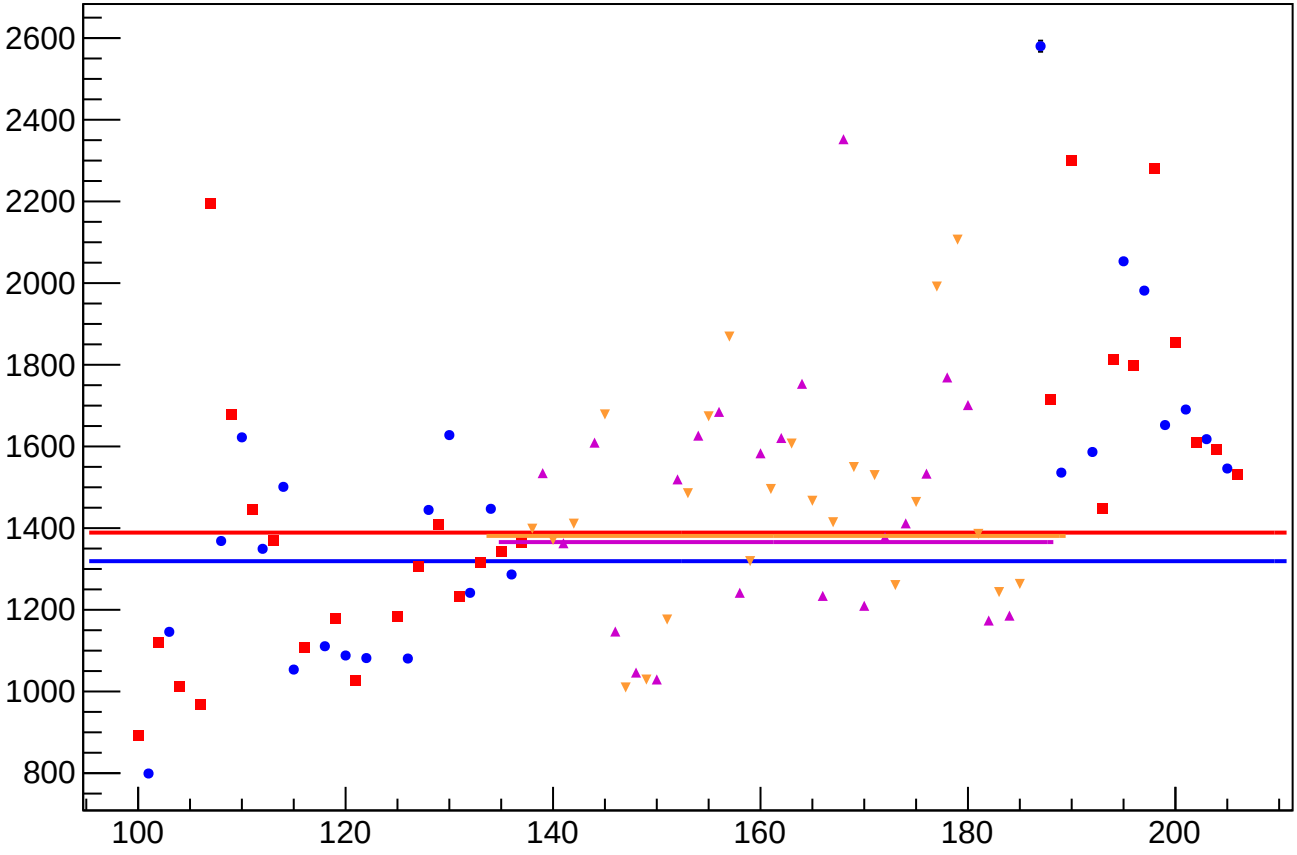
Left In: 52.820+/-326.124 χ^2/NDF:13.0/22

+ sign -155.846+/-244.594 χ^2/NDF: 57.8/48

All: 53.793+/-172.249 χ^2/NDF: 96.1/99

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

asym_us_avg_overload_cor_correction_rms vs Slug



Right In: 1319.099+/-0.260 χ^2/NDF: 1563483.4/24

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

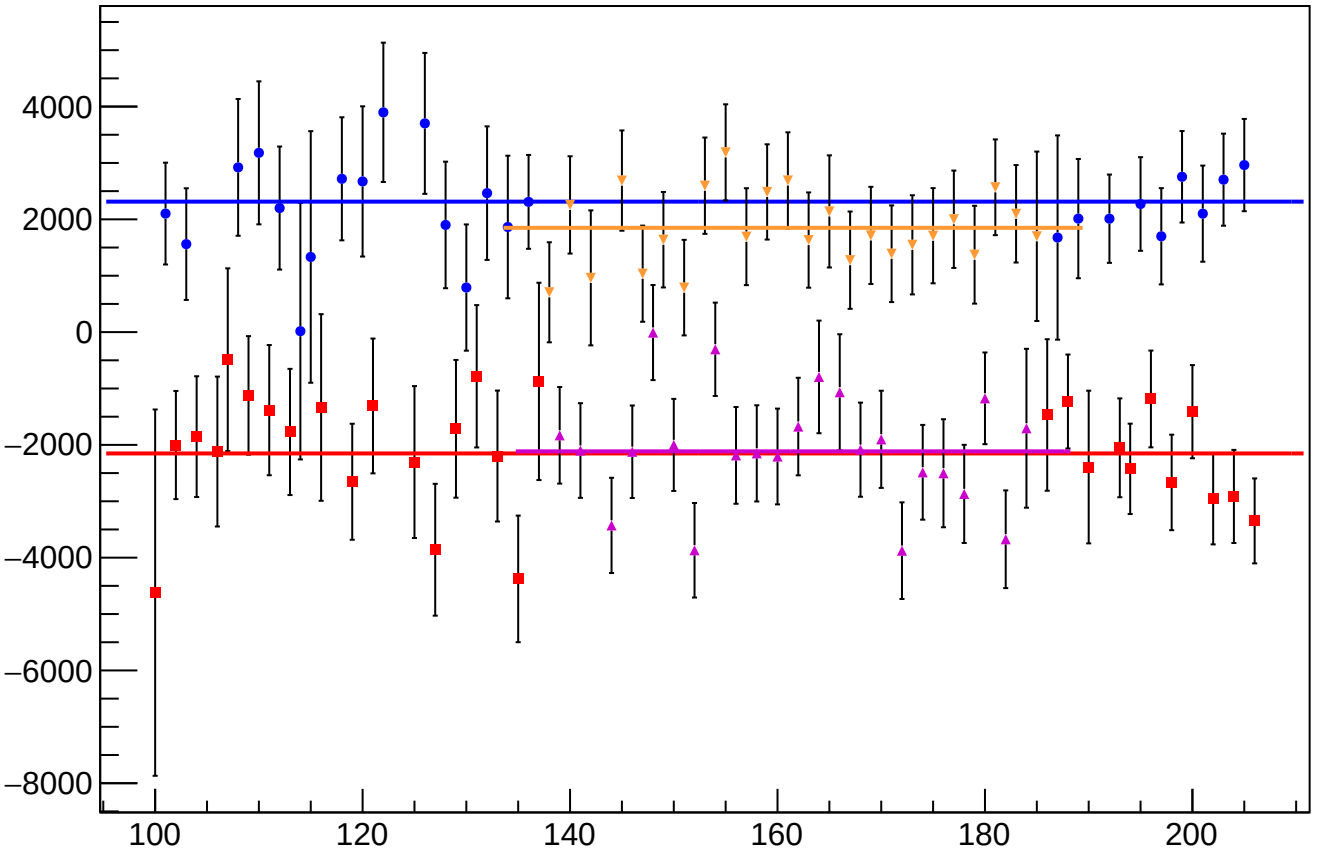
Right Out: 1389.046+/-0.257 χ^2/NDF: 1482955.6/27

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

+ sign 1353.497+/-0.173 χ^2/NDF: 2750492.4/48

All: 1364.935+/-0.122 χ^2/NDF: 5555520.1/99

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



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

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

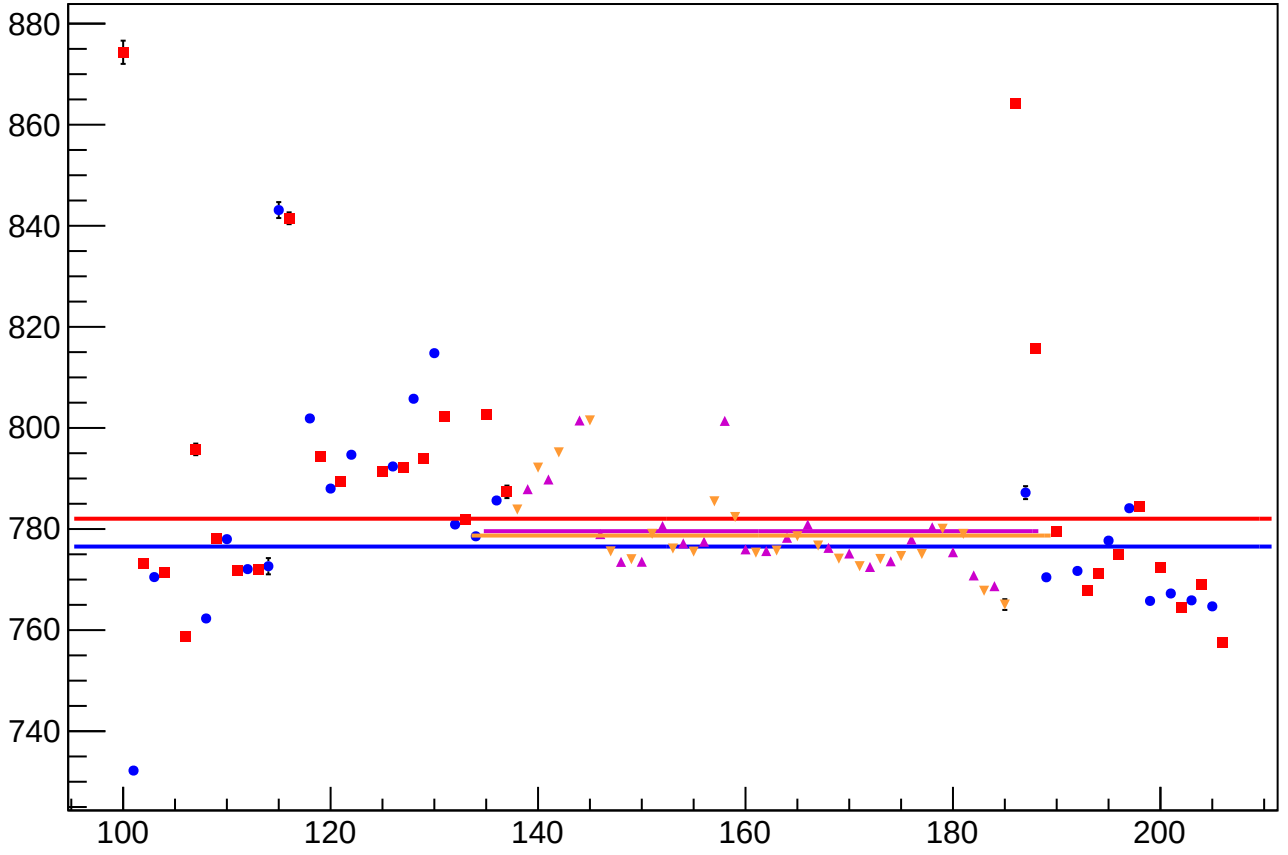
Left In: -2114.442+/-182.028 χ^2/NDF:31.1/22

+ sign 2050.773+/-136.071 χ^2/NDF: 25.6/48

All: -86.962+/-95.142 χ^2/NDF: 560.2/100

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

eigen_cor_asym_us_avg_rms vs Slug



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

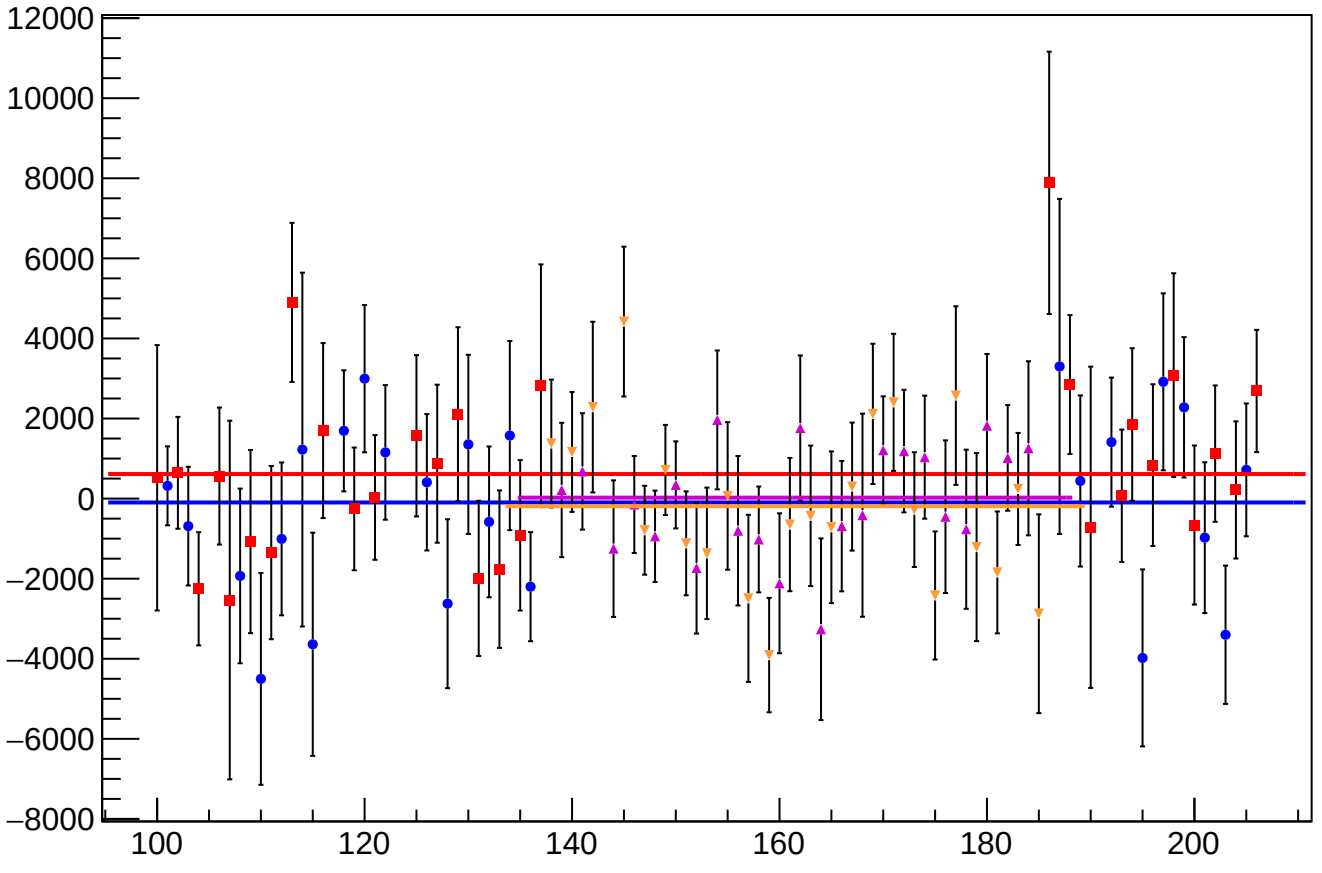
Right Out: 782.043+/-0.138 χ^2/NDF: 23306.7/28

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

+ sign 777.766+/-0.096 χ^2/NDF: 18176.4/48

All: 779.278+/-0.067 χ^2/NDF: 46310.0/100

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



Right In: -96.635+/-364.579 χ^2/NDF: 27.9/24

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

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

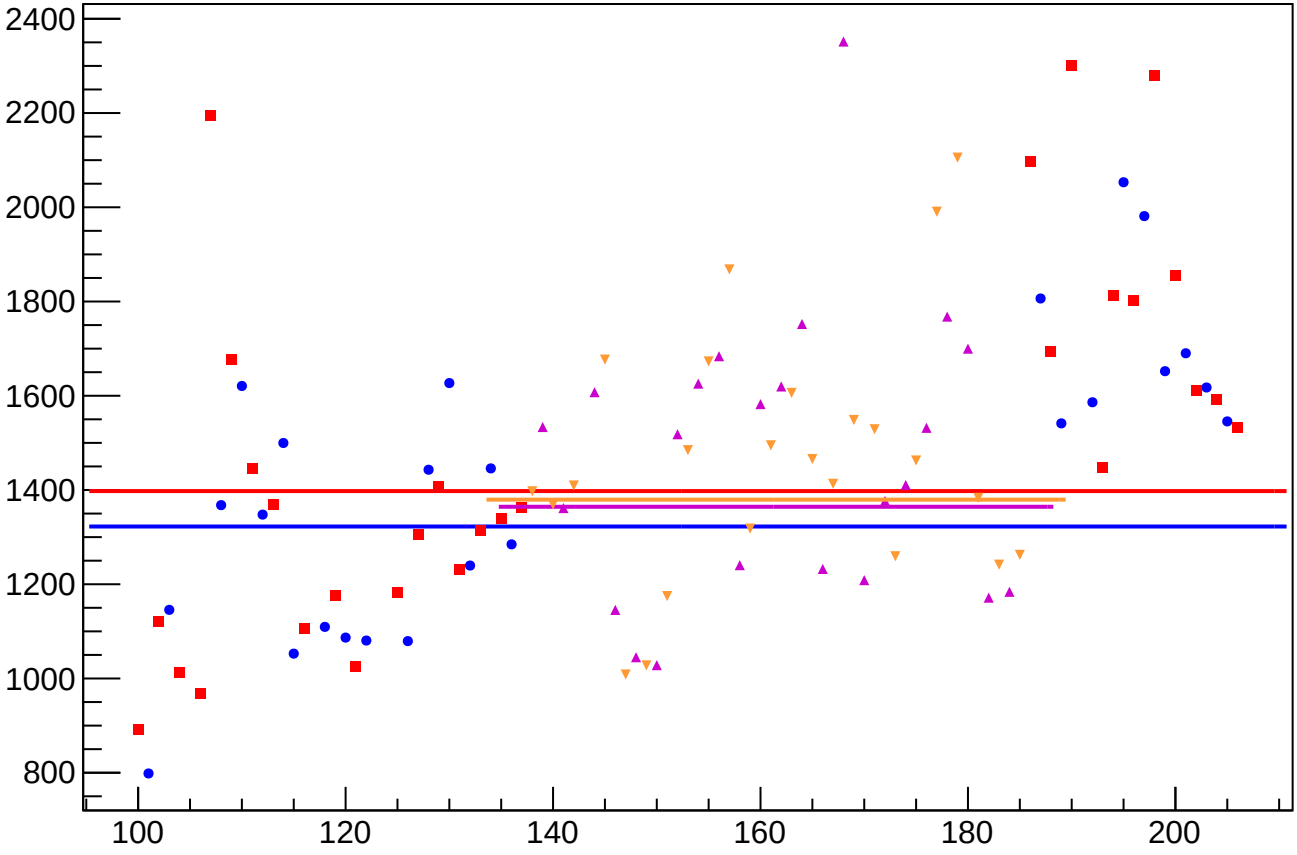
Left In: 23.750+/-325.809 χ^2/NDF:13.5/22

+ sign -147.731+/-243.707 χ^2/NDF: 57.5/48

All: 72.968+/-171.527 χ^2/NDF: 101.2/100

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

asym_us_avg_eigen_cor_correction_rms vs Slug



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

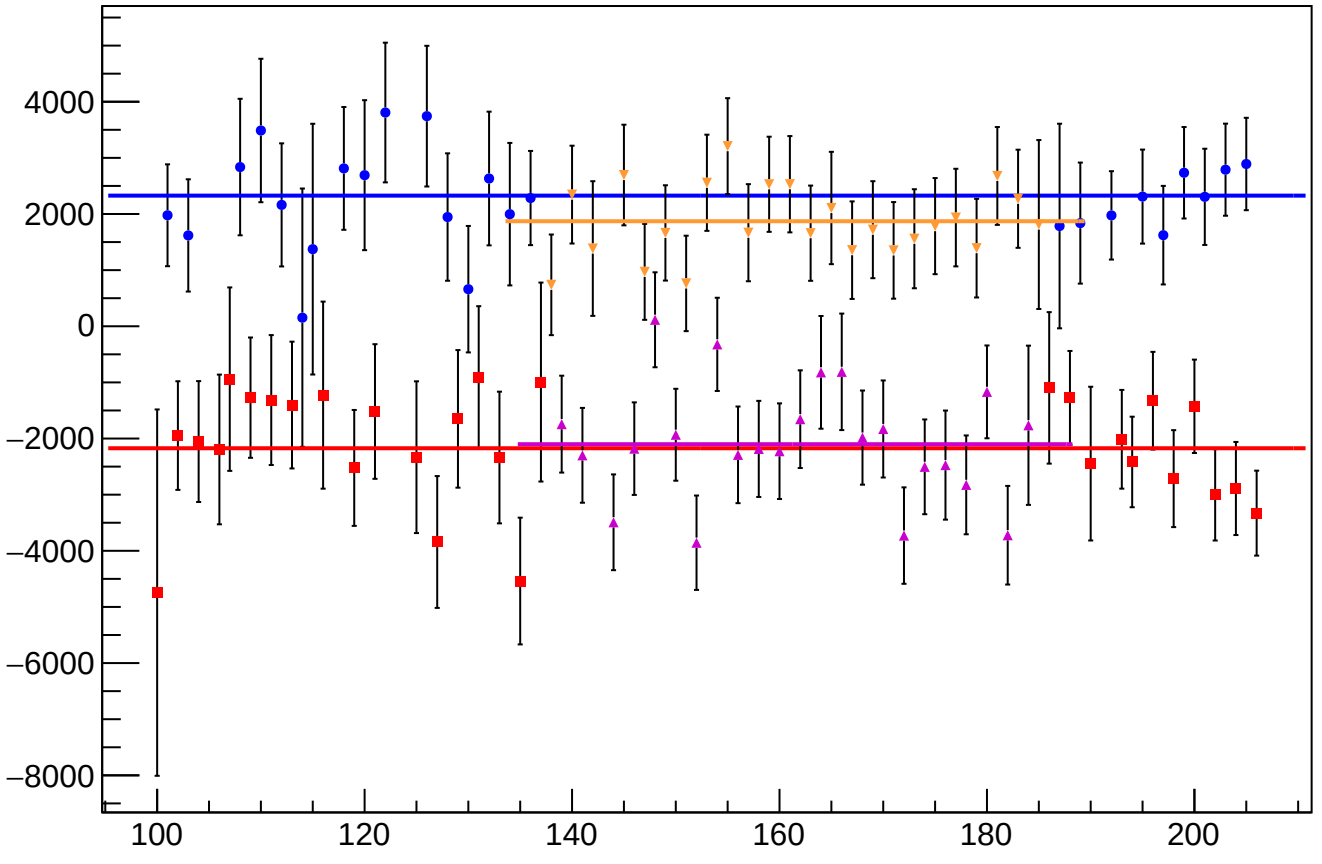
Right Out: 1397.734+/-0.254 χ^2/NDF: 1581559.1/28

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

+ sign 1354.062+/-0.172 χ^2/NDF: 2775680.7/48

All: 1366.864+/-0.121 χ^2/NDF: 5689906.8/10

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



Right In: 2327.444+/-208.312 χ^2/NDF: 10.3/24

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

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

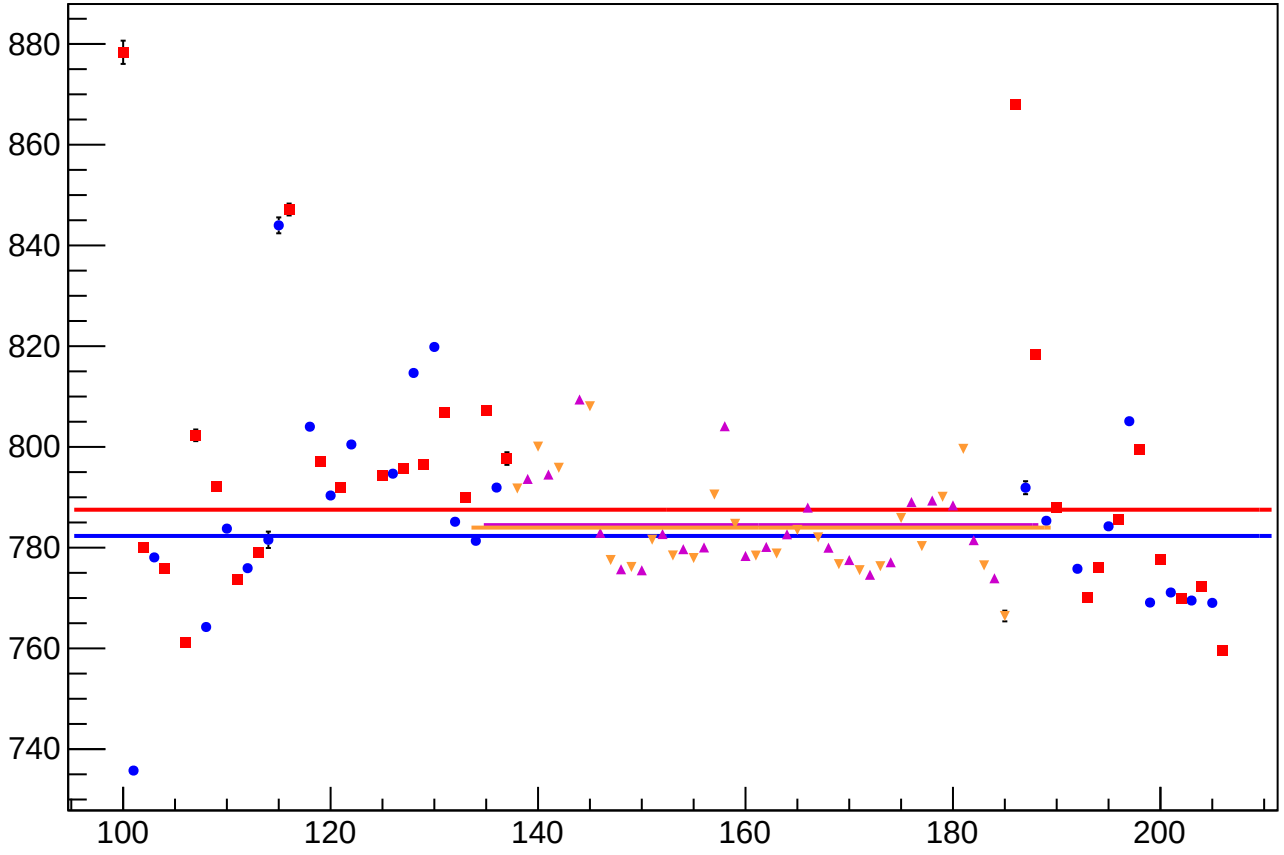
Left In: -2101.047+/-183.179 χ^2/NDF:31.8/22

+ sign 2068.821+/-137.048 χ^2/NDF: 25.5/48

All: -80.407+/-95.805 χ^2/NDF: 558.3/100

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

dit_asym_us_avg_rms vs Slug



Right In: 782.326+/-0.147 χ^2/NDF: 16388.1/24

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

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

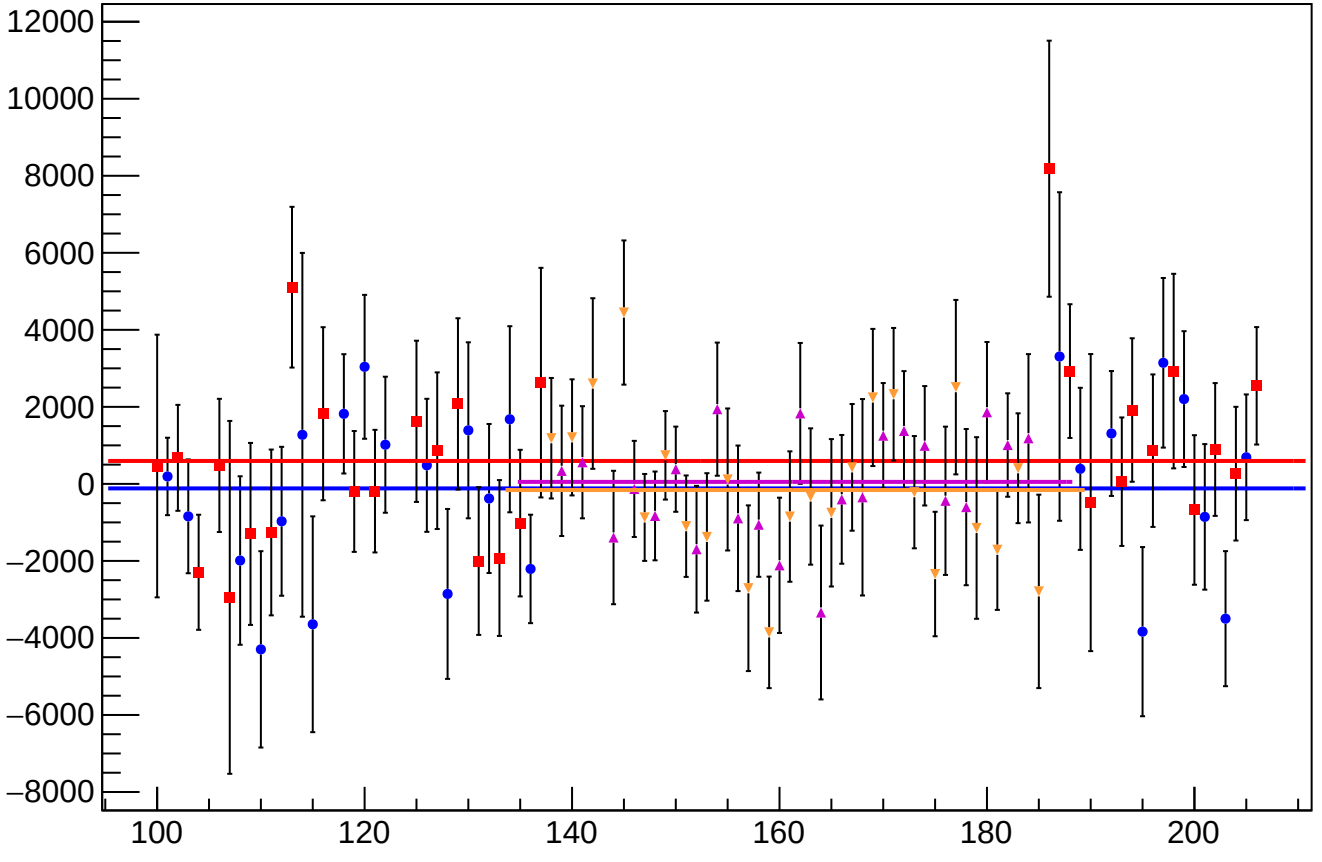
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 783.265+/-0.097 χ^2/NDF: 21387.9/48

All: 784.610+/-0.068 χ^2/NDF: 50435.4/100

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

asym_us_avg_dit_correction_mean vs Slug



Right In: -117.329+/-369.469 χ^2/NDF: 27.7/24

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

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

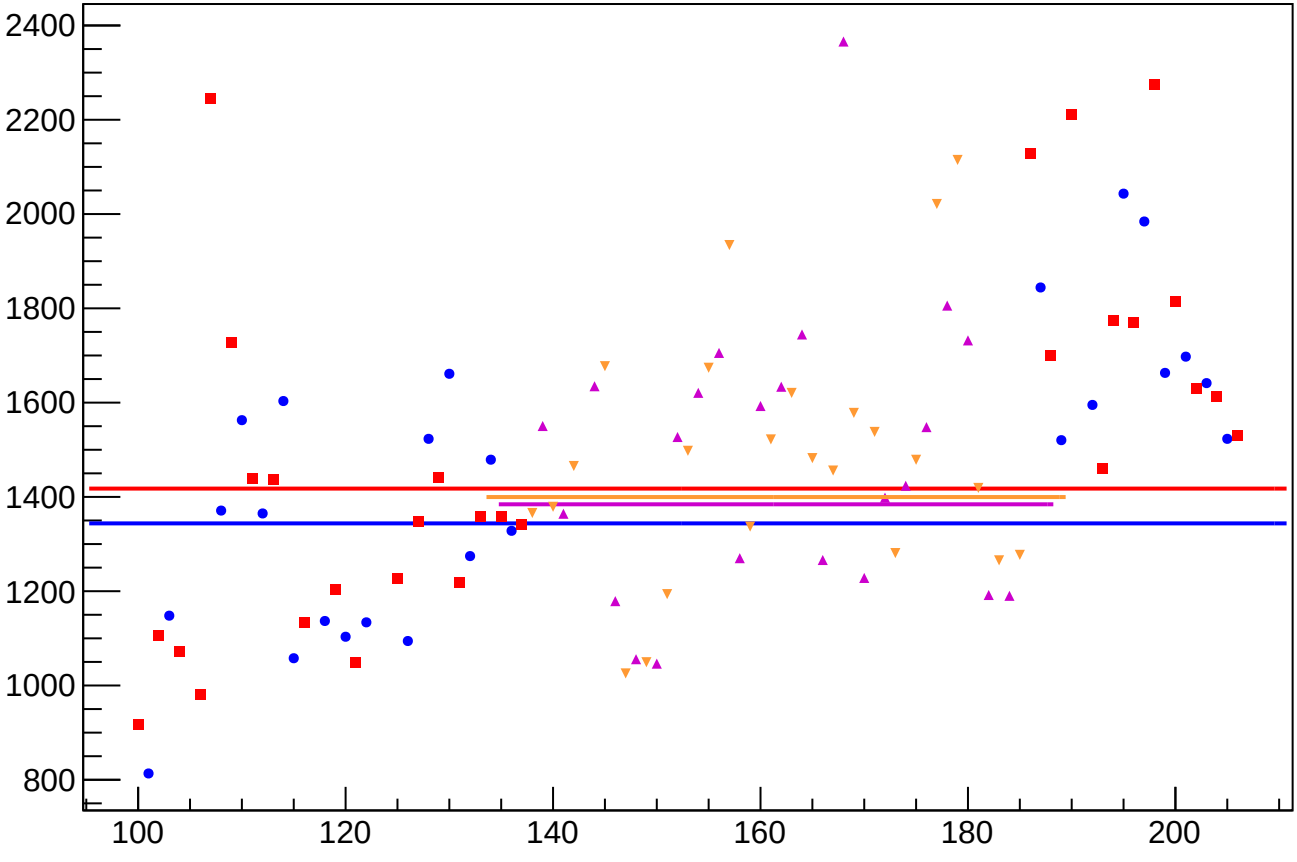
Left In: 51.975+/-330.206 χ^2/NDF:13.4/22

+ sign -140.524+/-247.025 χ^2/NDF: 56.8/48

All: 80.744+/-173.770 χ^2/NDF: 100.3/100

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

asym_us_avg_dit_correction_rms vs Slug



Right In: 1343.854+/-0.261 χ^2/NDF: 1512595.4/24

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

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

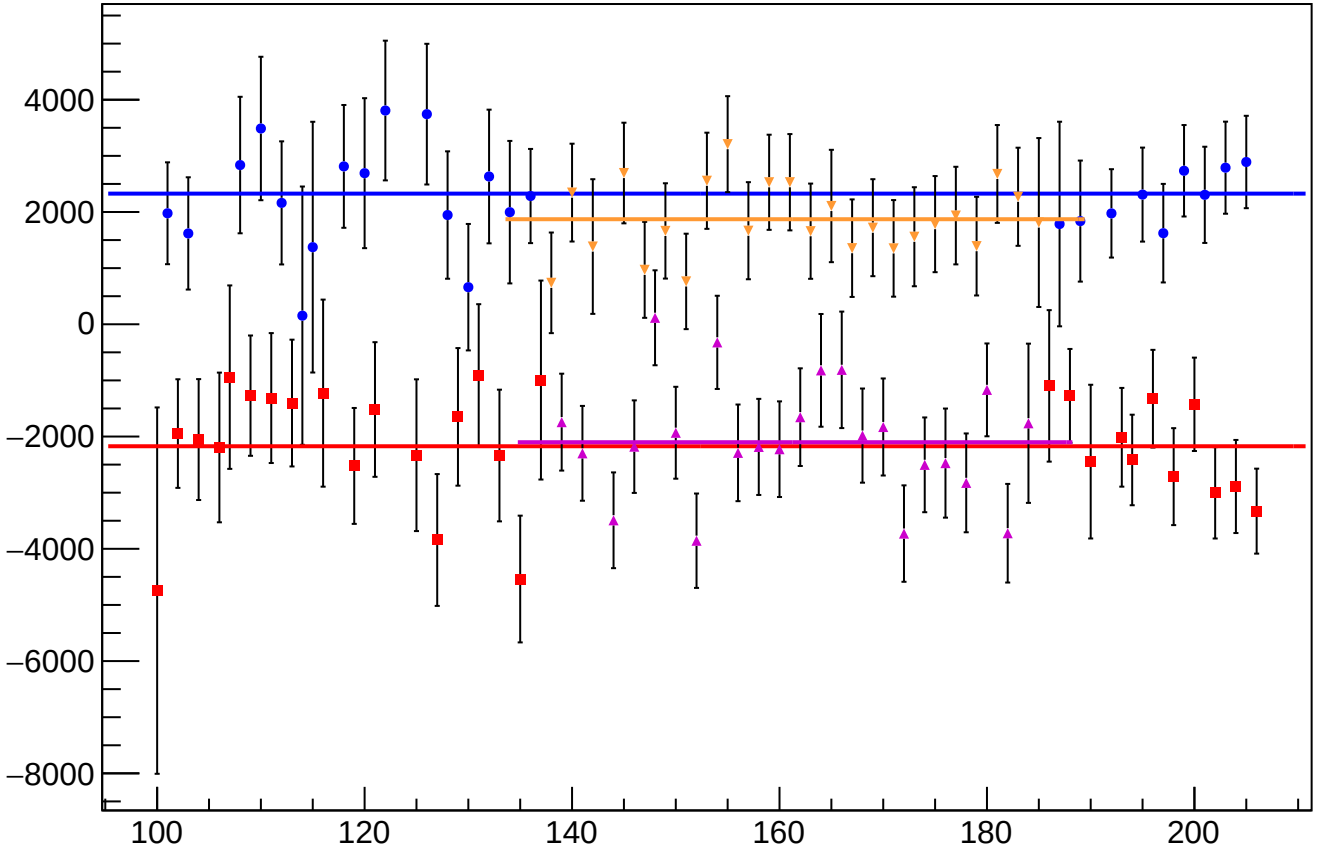
Left In: 1384.333+/-0.233 χ^2/NDF:1269936.6/22

+ sign 1374.745+/-0.175 χ^2/NDF: 2674228.8/48

All: 1387.195+/-0.123 χ^2/NDF: 5413255.1/10

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

eigen_dit_asym_us_avg_mean vs Slug



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

Right Out: -2172.982+/-196.472 χ^2/NDF: 20.0/28

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

+ sign 2068.819+/-137.048 χ^2/NDF: 25.5/48

All: -80.407+/-95.805 χ^2/NDF: 558.3/100

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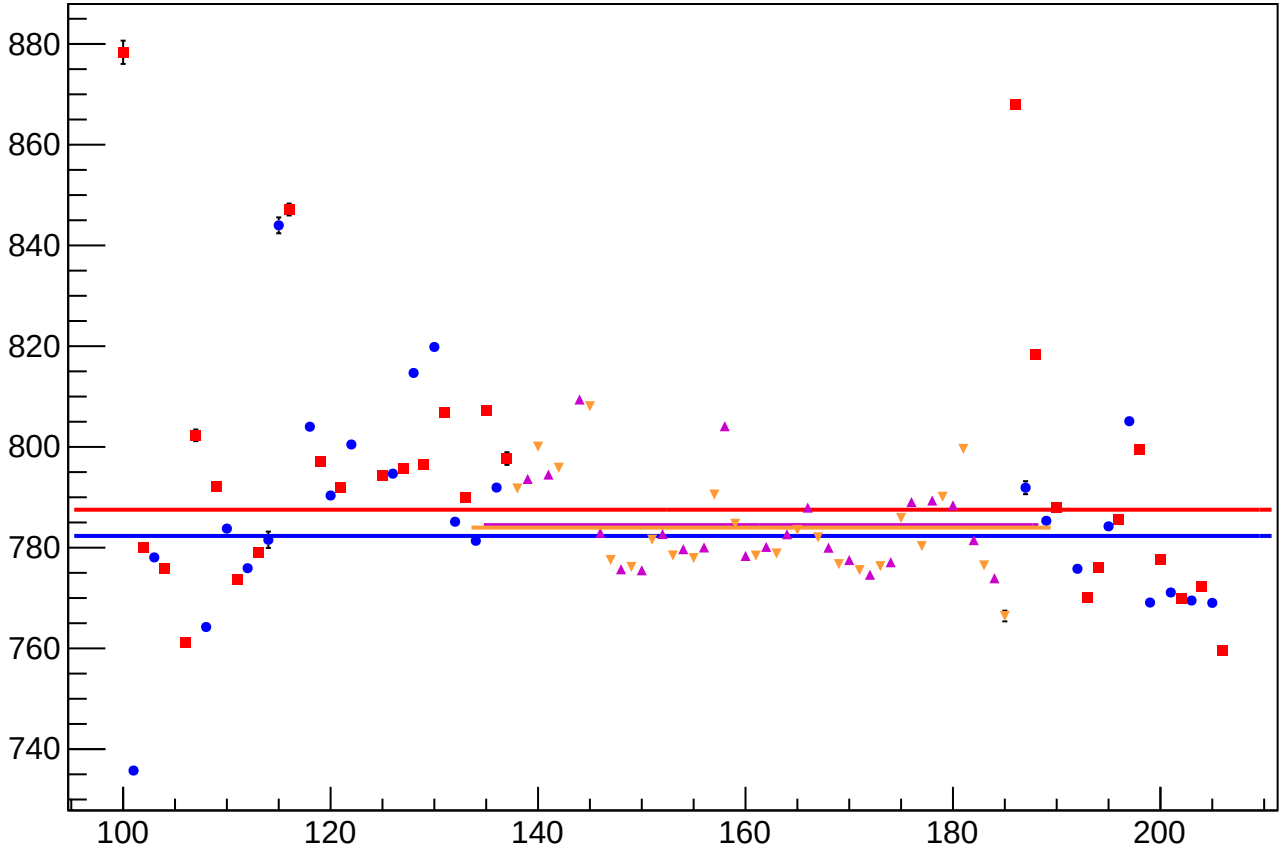
eigen_dit_asym_us_avg_rms vs Slug



Right In: 782.325+/-0.147 χ^2/NDF: 16388.1/24

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

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

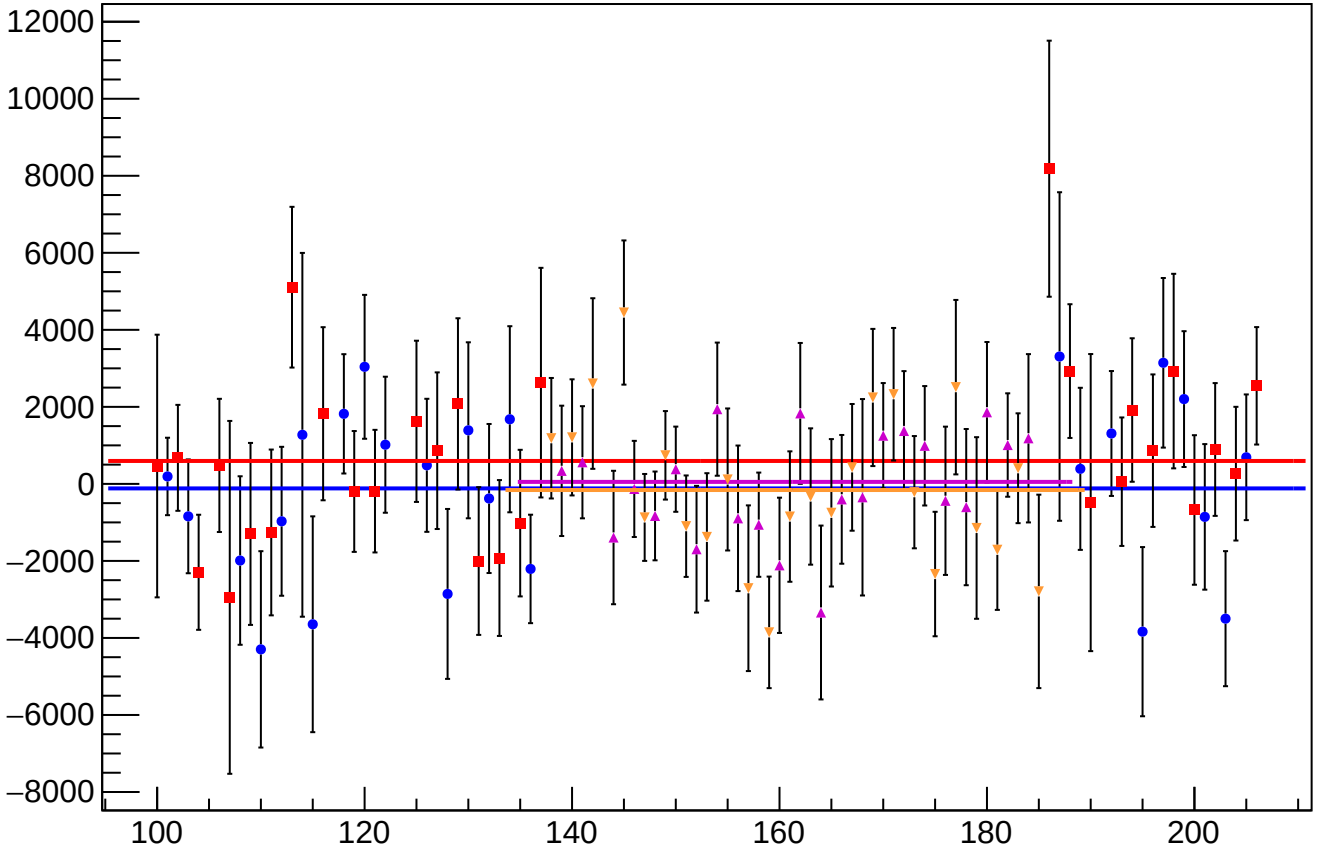
Left In: 784.473+/-0.130 χ^2/NDF:4927.7/22

+ sign 783.265+/-0.097 χ^2/NDF: 21387.8/48

All: 784.610+/-0.068 χ^2/NDF: 50435.3/100

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

asym_us_avg_eigen_dit_correction_mean vs Slug



Right In: -117.328+/-369.468 χ^2/NDF: 27.7/24

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

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

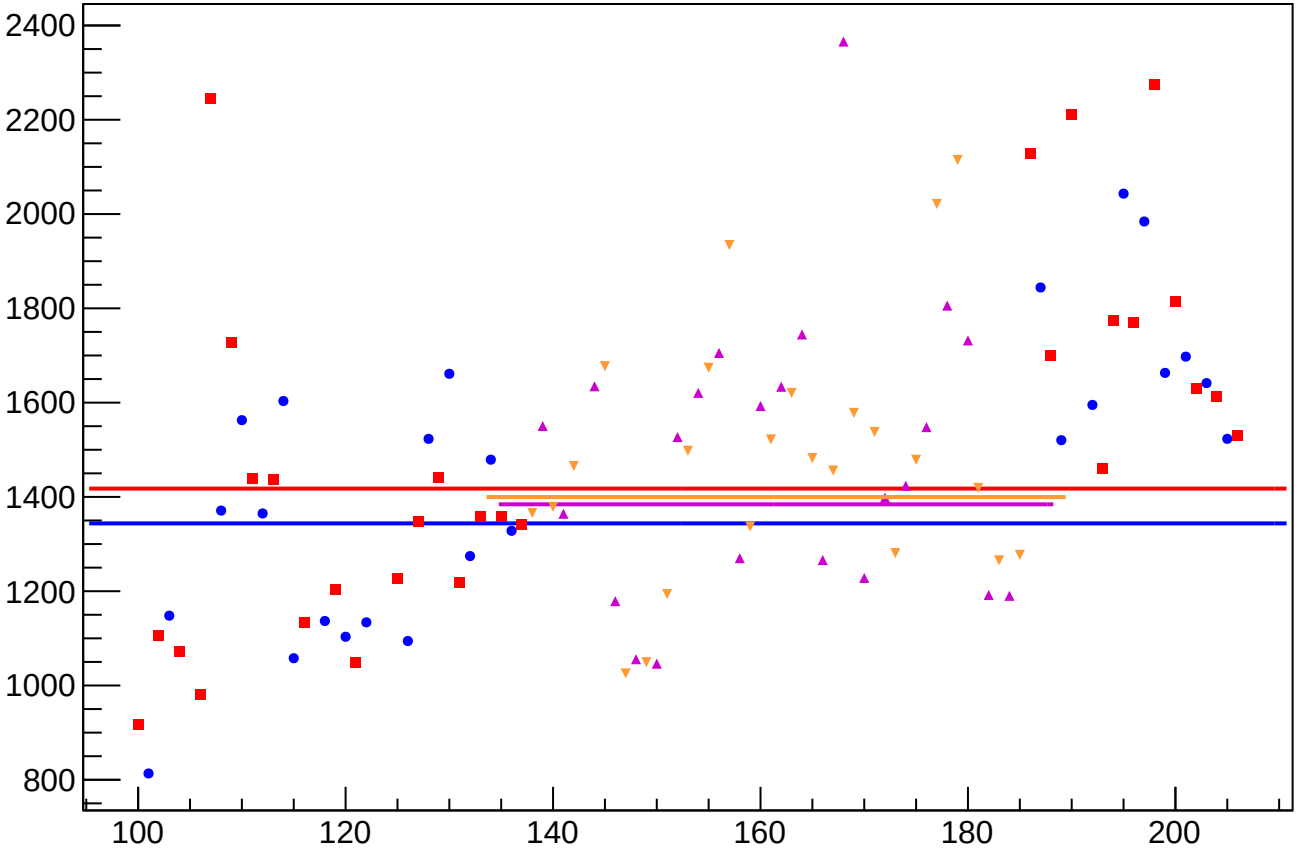
Left In: 51.975+/-330.207 χ^2/NDF:13.4/22

+ sign -140.525+/-247.025 χ^2/NDF: 56.8/48

All: 80.743+/-173.770 χ^2/NDF: 100.3/100

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

asym_us_avg_eigen_dit_correction_rms vs Slug



Right In: 1343.852+/-0.261 χ^2/NDF: 1512611.0/24

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

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

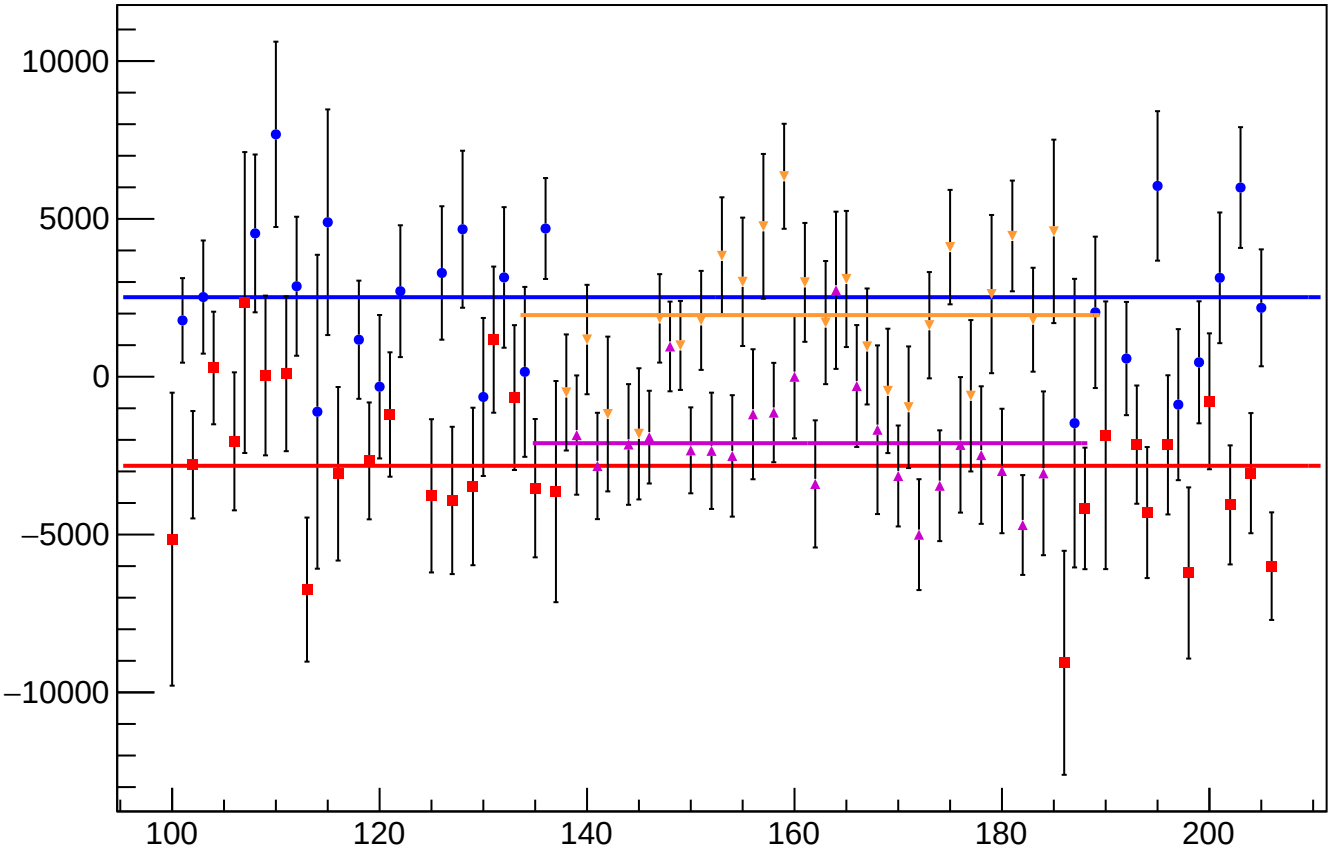
Left In: 1384.336+/-0.233 χ^2/NDF:1269937.1/22

+ sign 1374.746+/-0.175 χ^2/NDF: 2674249.7/48

All: 1387.196+/-0.123 χ^2/NDF: 5413292.5/10

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

asym_us_avg_mean vs Slug



Right In: 2519.351+/-430.099 χ^2/NDF: 23.1/24

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

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

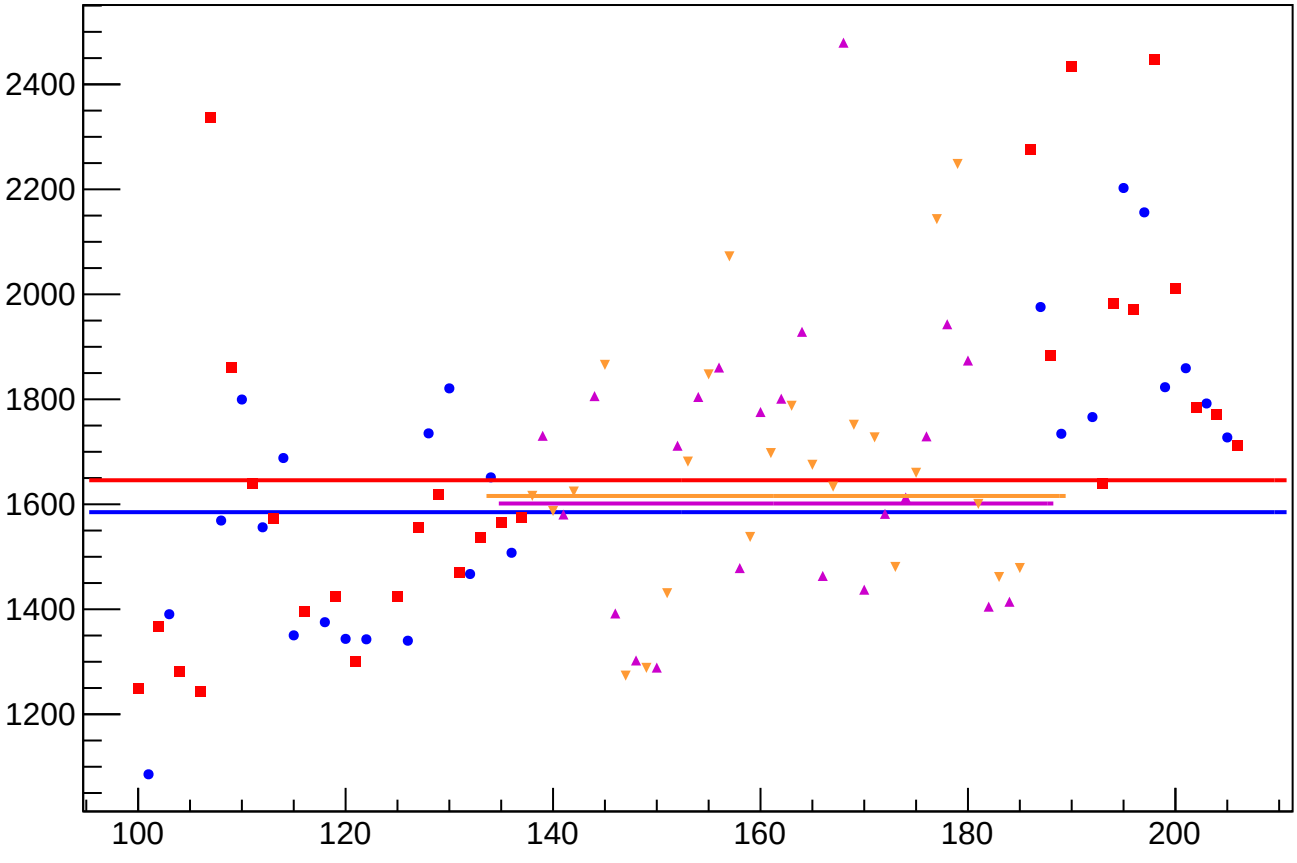
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2201.148+/-284.887 χ^2/NDF: 51.4/48

All: -146.559+/-200.007 χ^2/NDF: 231.7/100

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

asym_us_avg_rms vs Slug



Right In: 1585.003+/-0.304 χ^2/NDF: 853542.2/24

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

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

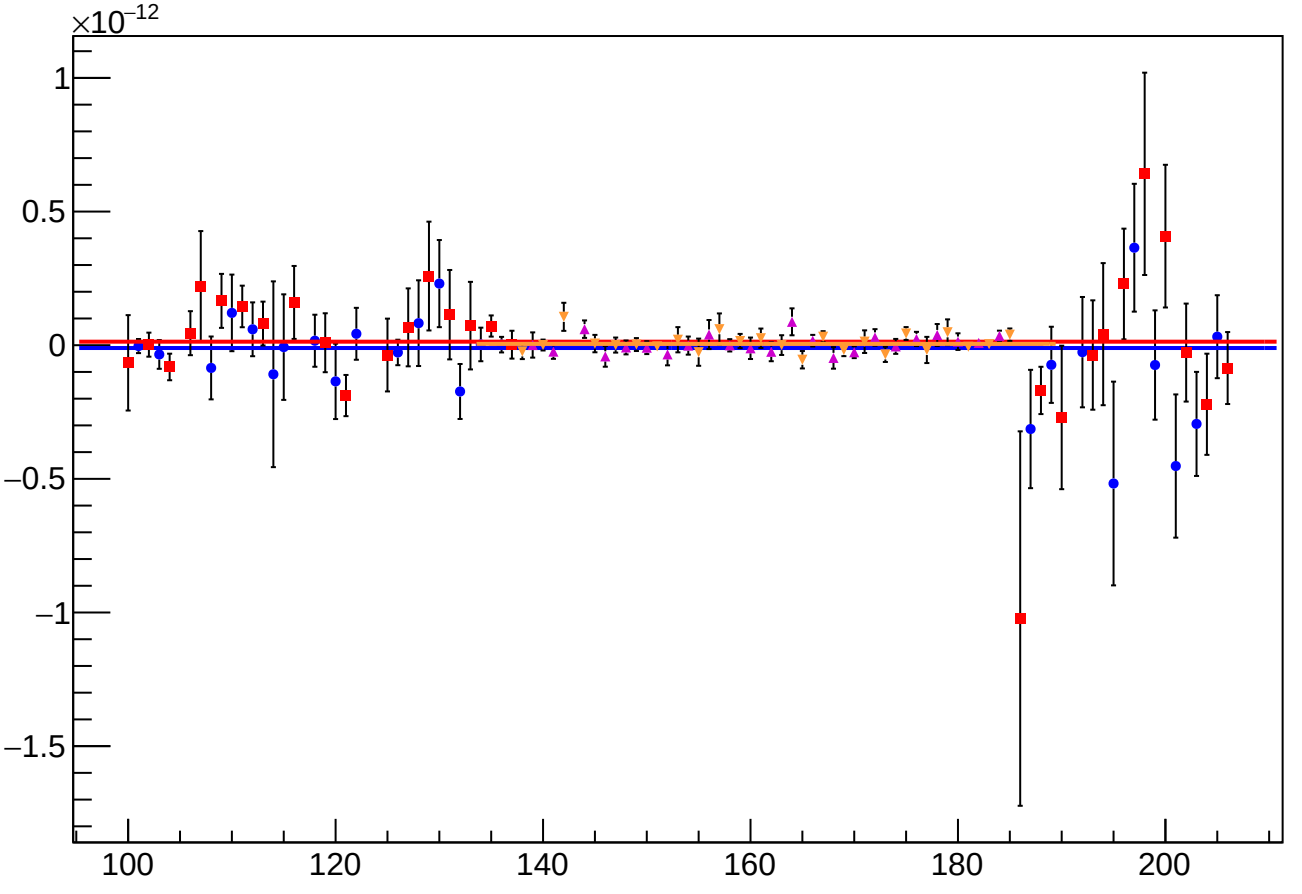
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1602.318+/-0.201 χ^2/NDF: 1553670.9/48

All: 1612.033+/-0.141 χ^2/NDF: 3300271.0/10

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

asym_us_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.9/24

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

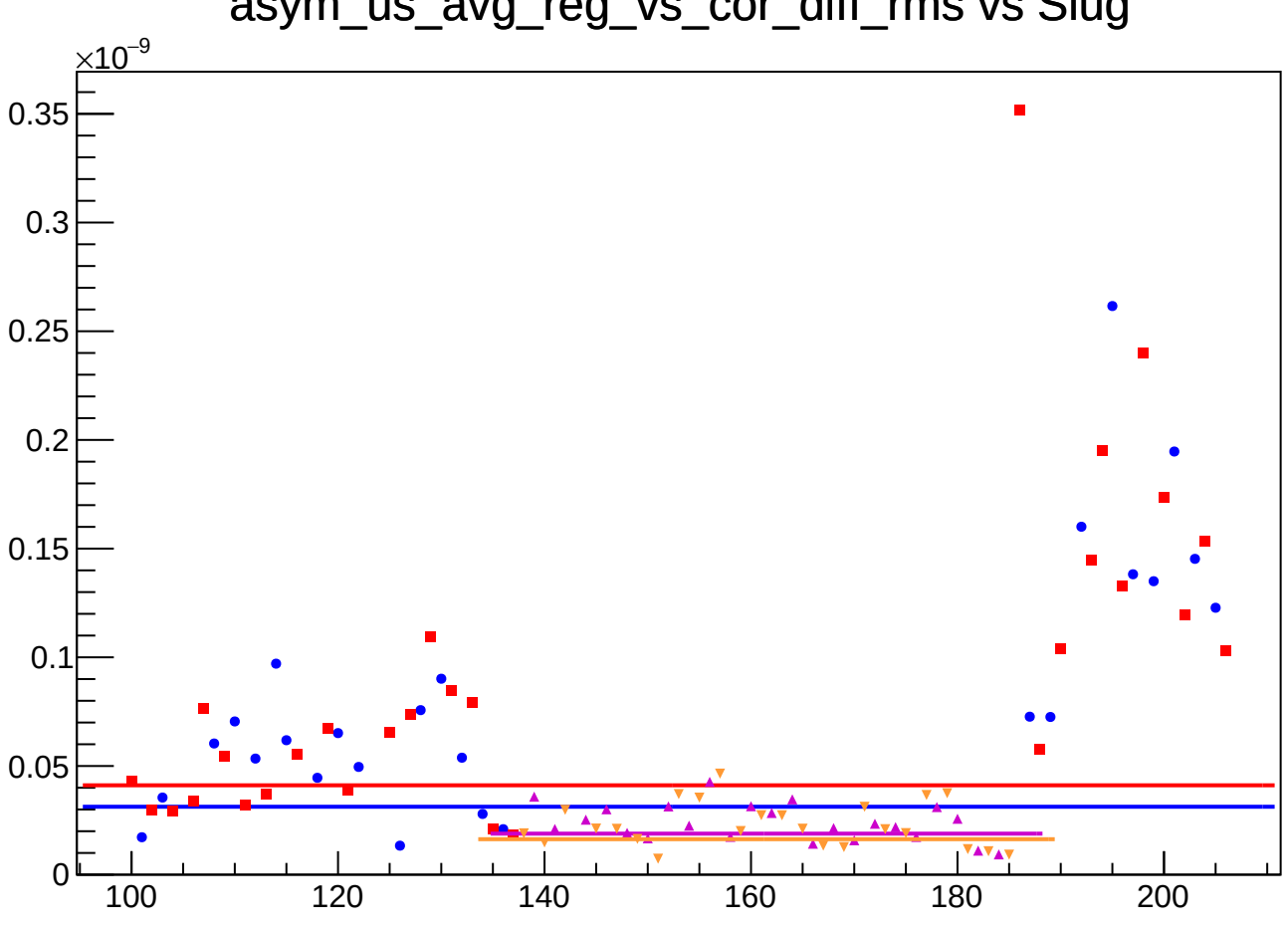
Right Out: 0.000+/-0.000 χ^2/NDF: 39.1/28

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

+ sign 0.000+/-0.000 χ^2/NDF: 41.9/48

All: 0.000+/-0.000 χ^2/NDF: 100.7/100

- sign 0.000+/-0.000 χ^2/NDF: 58.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 7127899.5/24

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

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

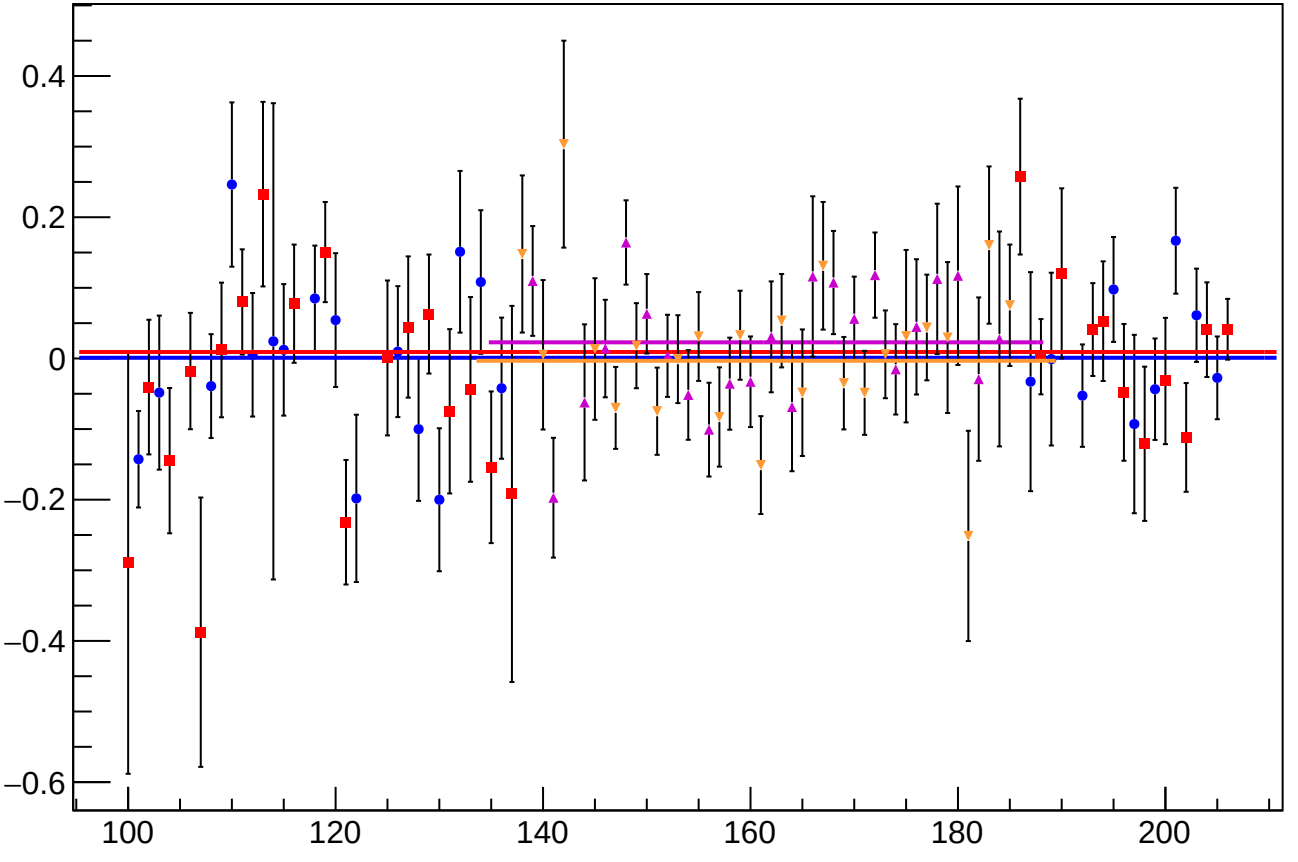
Left In: 0.000+/-0.000 χ^2/NDF:3256130.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13194111.0/48

All: 0.000+/-0.000 χ^2/NDF: 26520237.8/100

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

asym_us_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.018 χ^2/NDF: 30.9/24

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

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

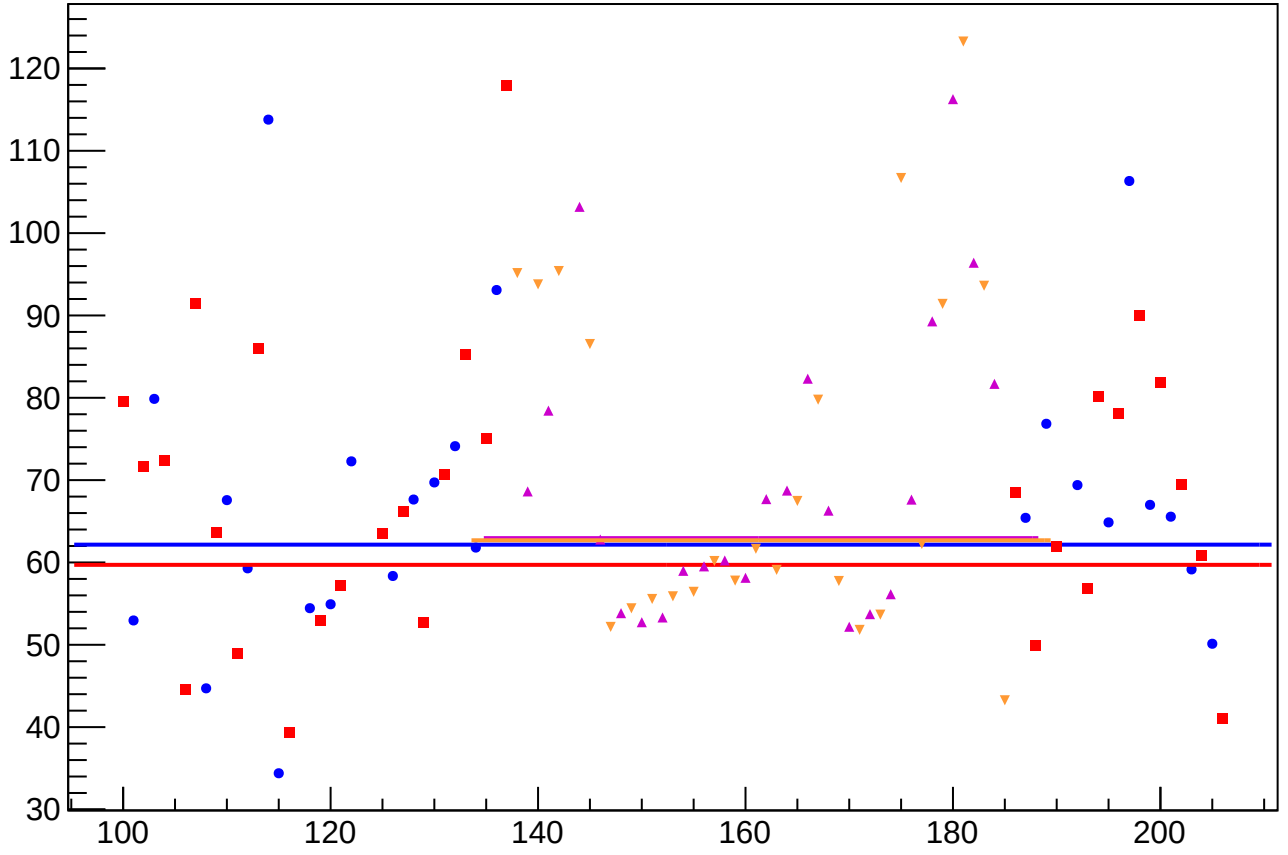
Left In: 0.023+/-0.015 χ^2/NDF:29.0/22

+ sign -0.001+/-0.012 χ^2/NDF: 56.9/48

All: 0.008+/-0.008 χ^2/NDF: 127.1/100

- sign 0.016+/-0.011 χ^2/NDF: 69.0/51

asym_us_avg_dit_vs_cor_diff_rms vs Slug



Right In: 62.162+/-0.013 χ^2/NDF: 1112506.5/24

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

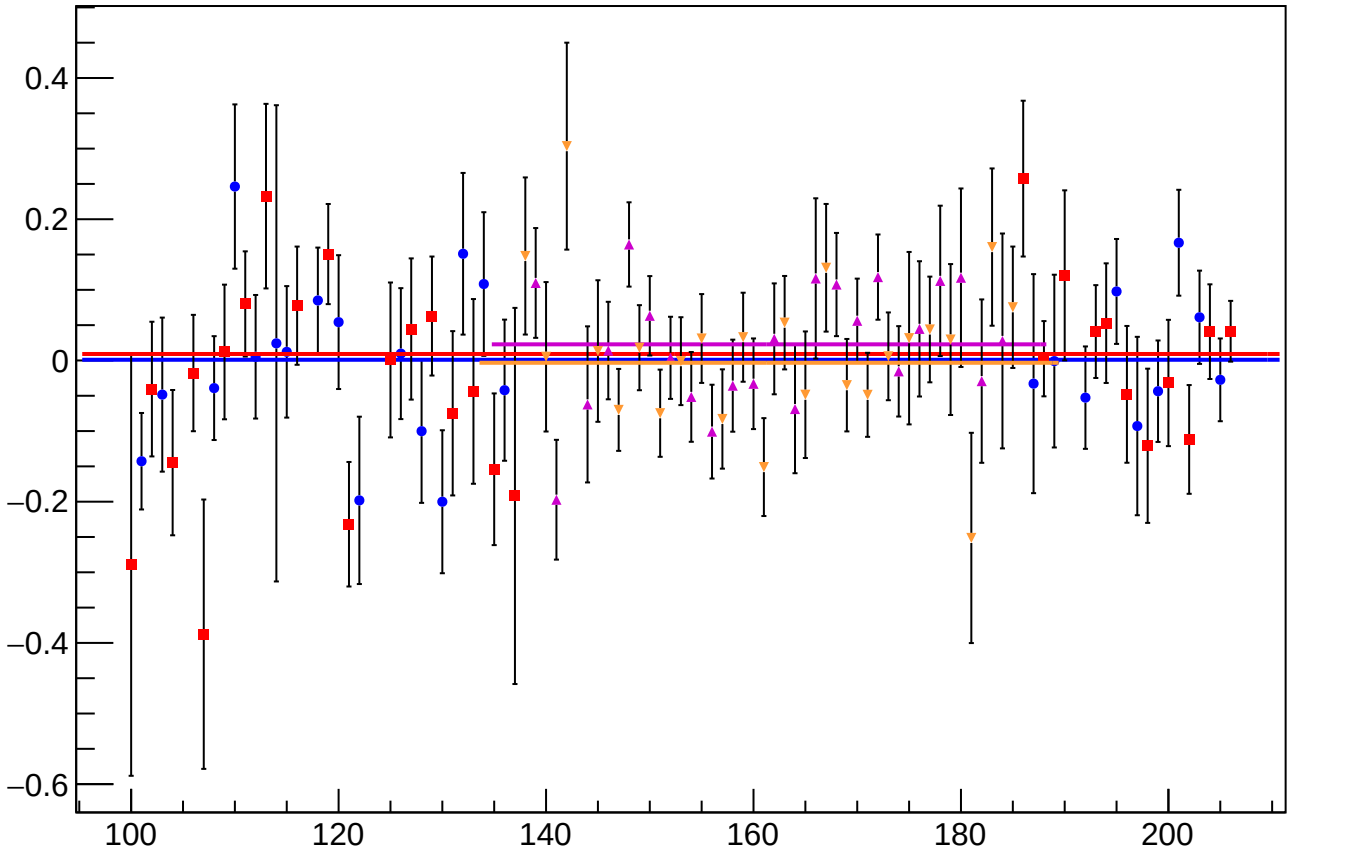
Right Out: 59.709+/-0.011 χ^2/NDF: 1672264.0/28

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

+ sign 62.463+/-0.008 χ^2/NDF: 3052928.8/48

All: 61.902+/-0.006 χ^2/NDF: 6206892.2/100

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



Right In: 0.001+/-0.018 χ^2/NDF: 30.9/24

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

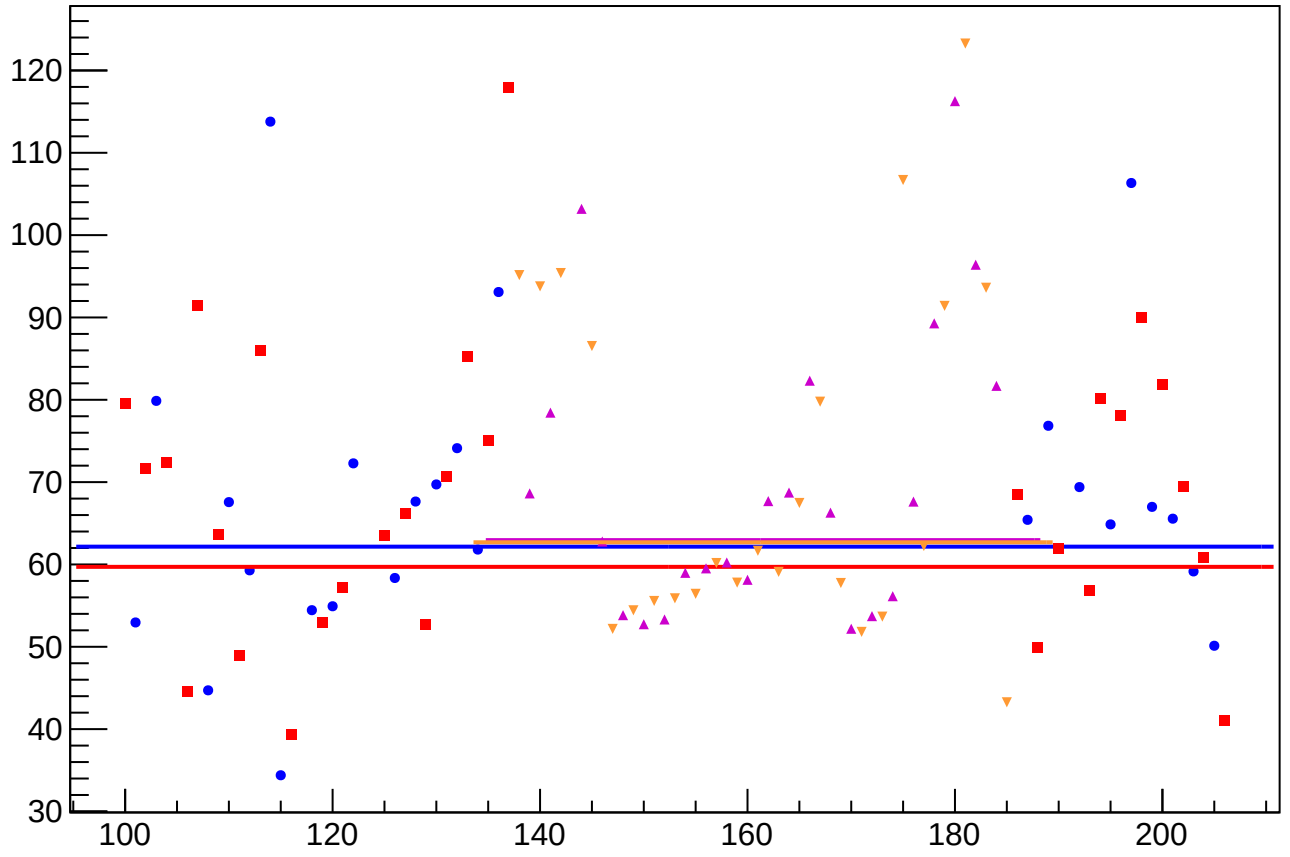
Right Out: 0.009+/-0.016 χ^2/NDF: 39.7/28

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

+ sign -0.001+/-0.012 χ^2/NDF: 56.9/48

All: 0.008+/-0.008 χ^2/NDF: 127.1/100

- sign 0.016+/-0.011 χ^2/NDF: 69.0/51



Right In: 62.162+/-0.013 χ^2/NDF: 1112506.5/24

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

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

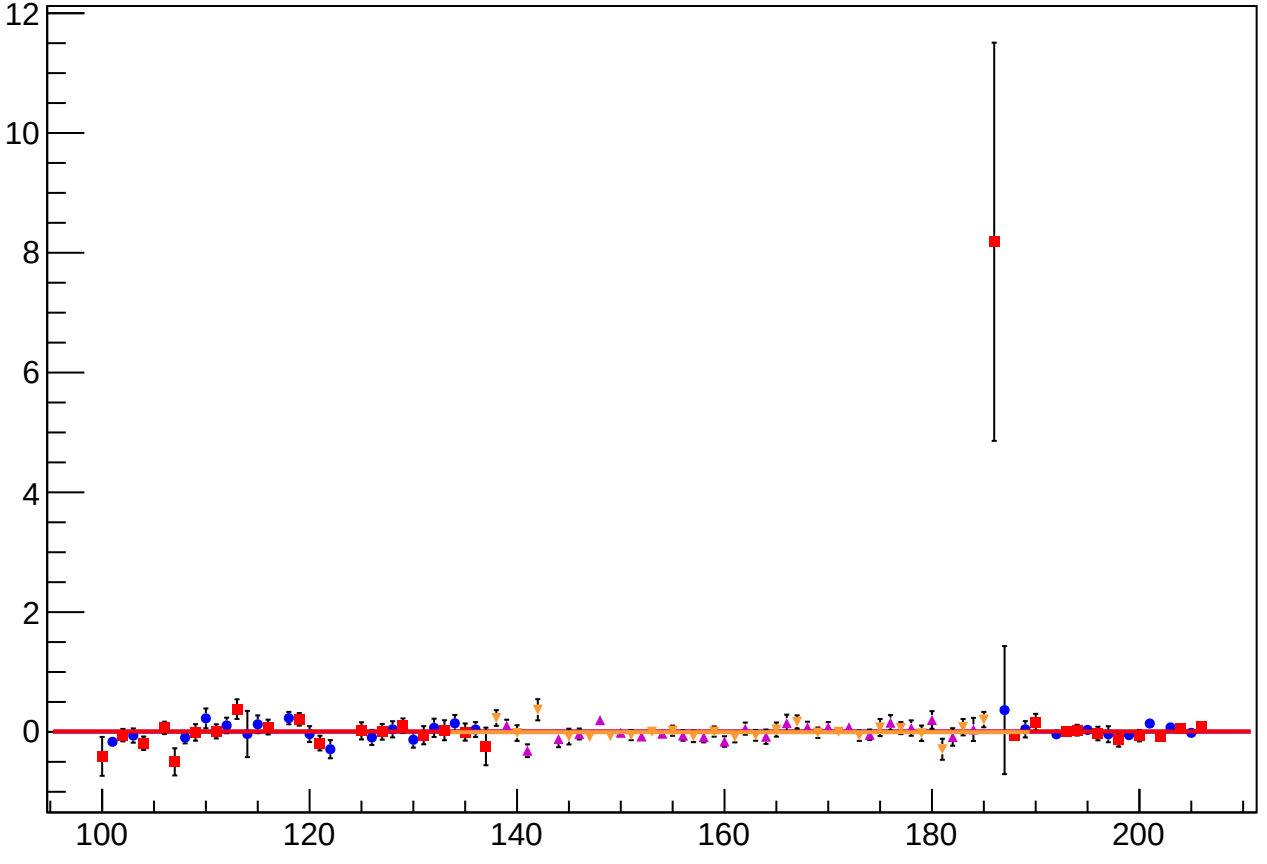
Left In: 62.956+/-0.011 χ^2/NDF:1430426.1/22

+ sign 62.463+/-0.008 χ^2/NDF: 3052928.8/48

All: 61.902+/-0.006 χ^2/NDF: 6206892.2/100

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

asym_us_avg_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.005+/-0.022 χ^2/NDF: 25.2/24

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

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

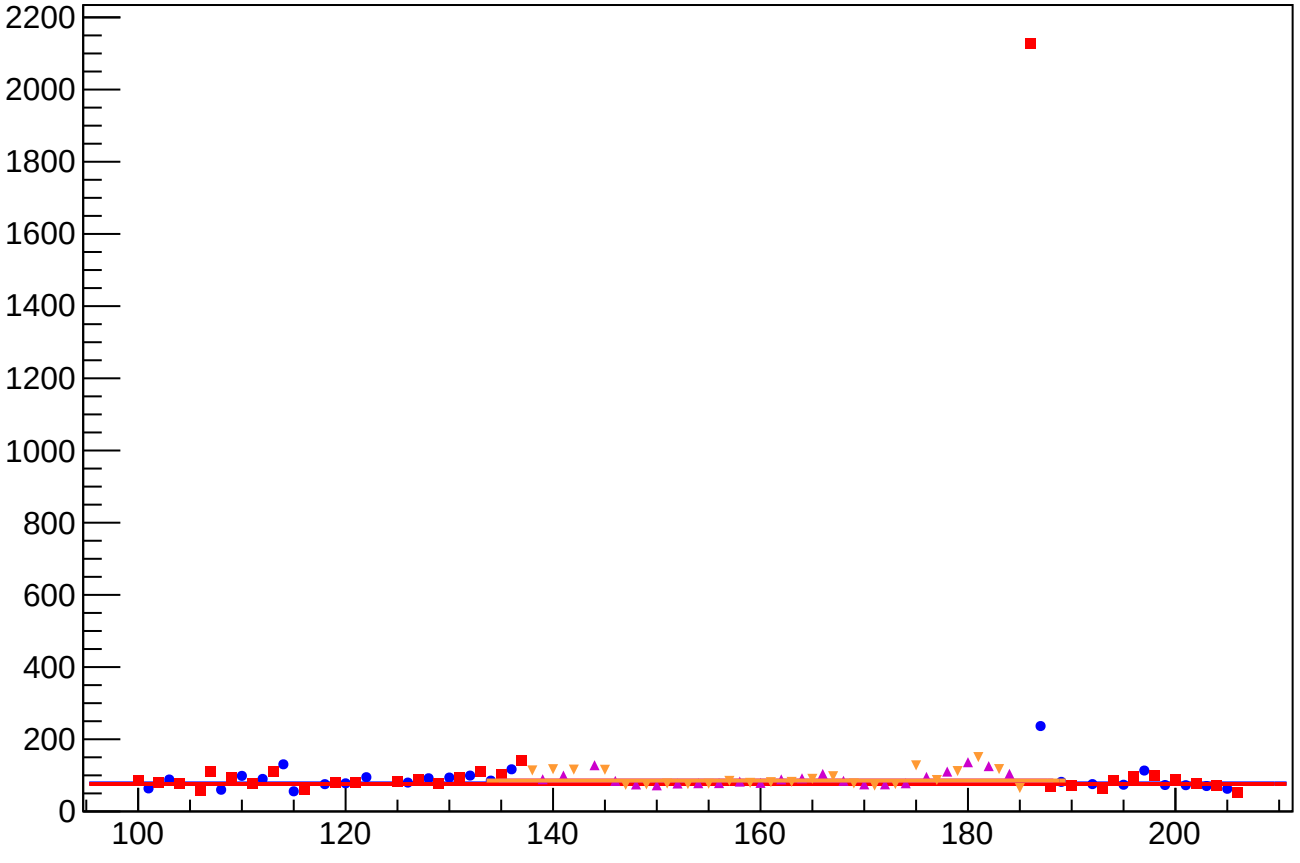
Left In: -0.002+/-0.021 χ^2/NDF:30.5/22

+ sign -0.000+/-0.015 χ^2/NDF: 46.7/48

All: 0.001+/-0.010 χ^2/NDF: 115.4/100

- sign 0.003+/-0.014 χ^2/NDF: 68.7/51

asym_us_avg_dit_vs_overload_cor_diff_rms vs Slug



Right In: 77.670+/-0.015 χ^2/NDF: 904152.9/24

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

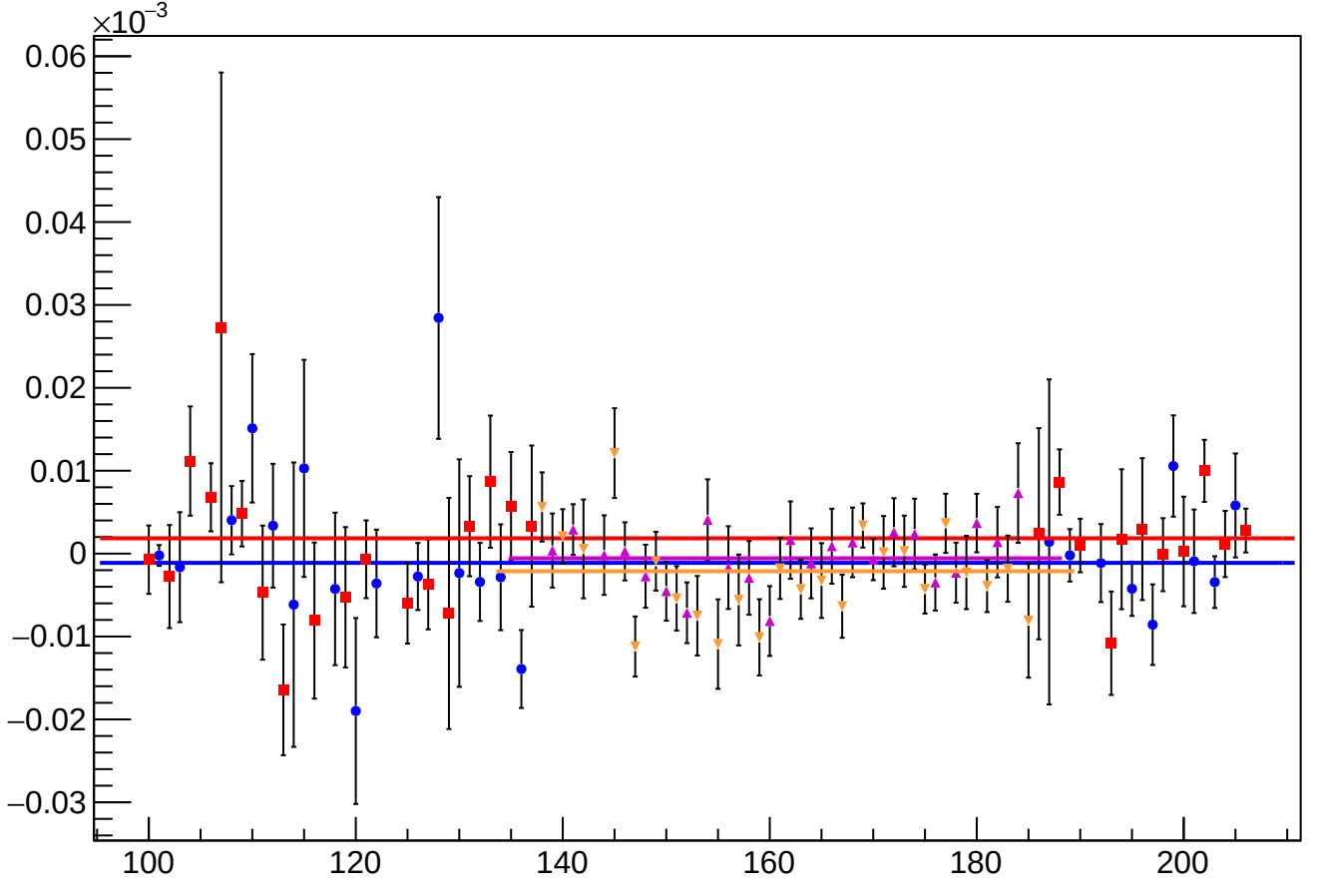
Right Out: 76.056+/-0.014 χ^2/NDF: 1951305.4/28

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

+ sign 81.885+/-0.011 χ^2/NDF: 2397399.8/48

All: 81.304+/-0.007 χ^2/NDF: 5571470.4/100

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



Right In: -0.000+/-0.000 χ^2/NDF: 30.2/24

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

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

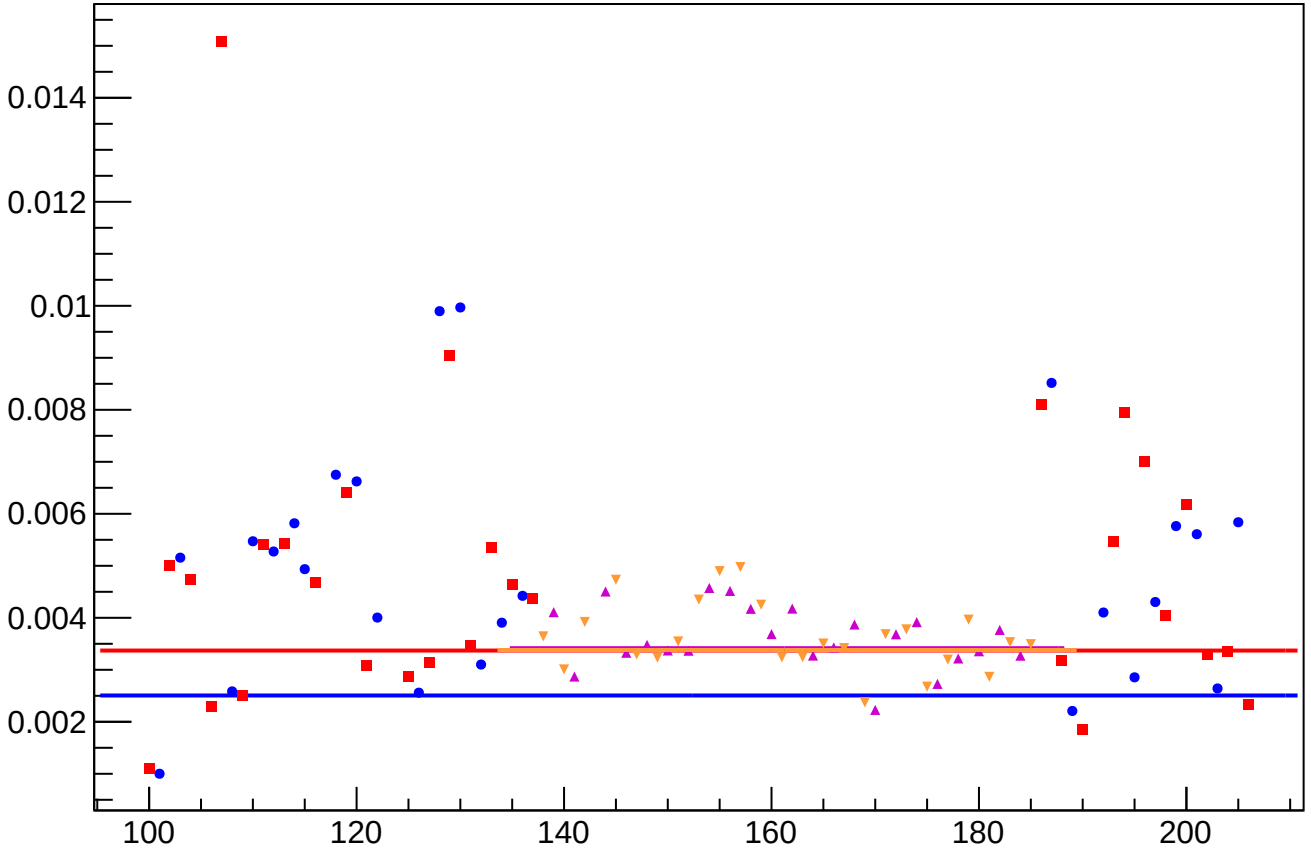
Left In: -0.000+/-0.000 χ^2/NDF:16.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.3/48

All: -0.000+/-0.000 χ^2/NDF: 125.8/100

- sign 0.000+/-0.000 χ^2/NDF: 51.5/51

asym_us_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 8555182.0/24

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

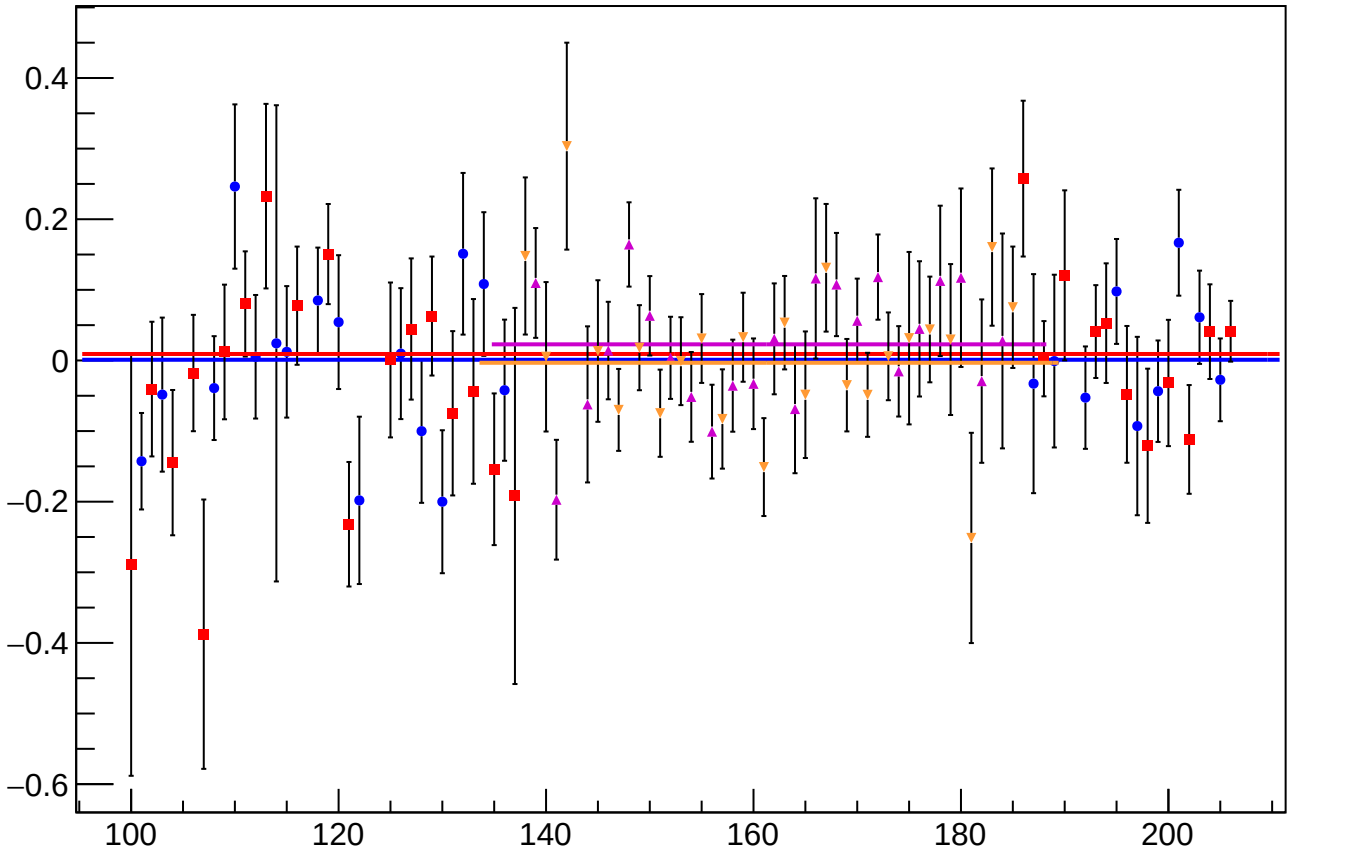
Right Out: 0.003+/-0.000 χ^2/NDF: 5104472.1/28

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

+ sign 0.003+/-0.000 χ^2/NDF: 10892073.8/48

All: 0.003+/-0.000 χ^2/NDF: 17704711.4/100

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



Right In: 0.001+/-0.018 χ^2/NDF: 30.9/24

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

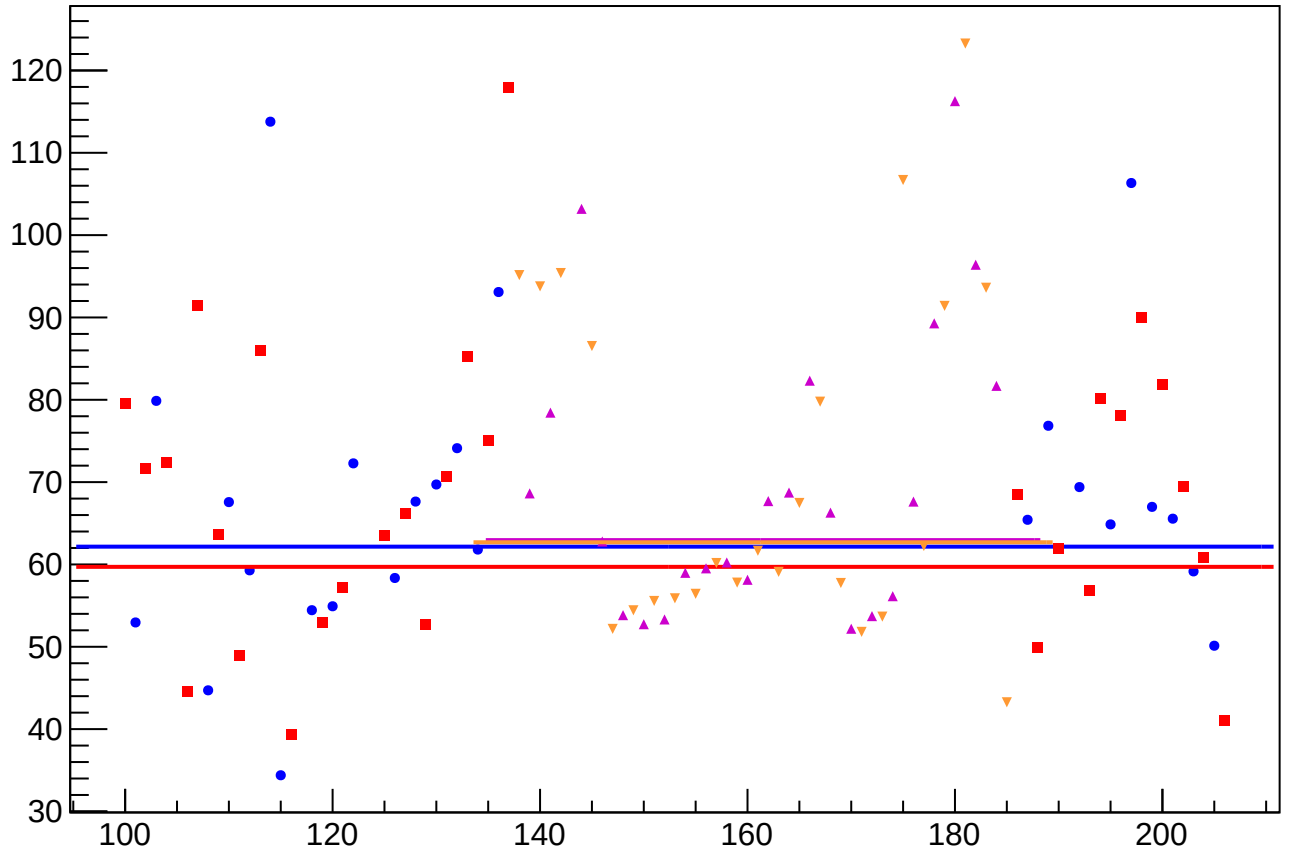
Right Out: 0.009+/-0.016 χ^2/NDF: 39.7/28

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

+ sign -0.001+/-0.012 χ^2/NDF: 56.9/48

All: 0.008+/-0.008 χ^2/NDF: 127.1/100

- sign 0.016+/-0.011 χ^2/NDF: 69.0/51



Right In: 62.162+/-0.013 χ^2/NDF: 1112498.1/24

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

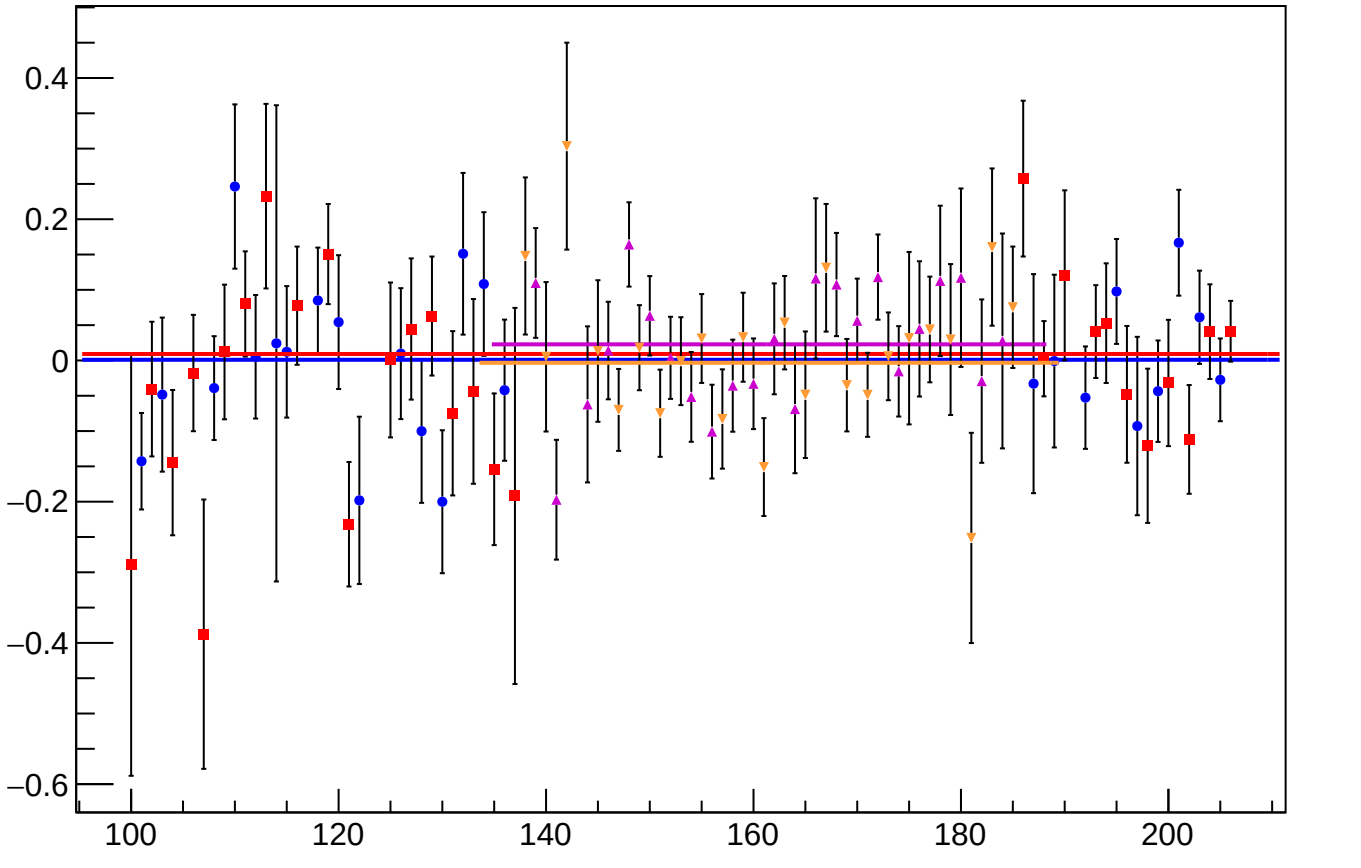
Right Out: 59.709+/-0.011 χ^2/NDF: 1672106.0/28

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

+ sign 62.463+/-0.008 χ^2/NDF: 3052906.2/48

All: 61.902+/-0.006 χ^2/NDF: 6206707.7/100

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



Right In: 0.001+/-0.018 χ^2/NDF: 30.9/24

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

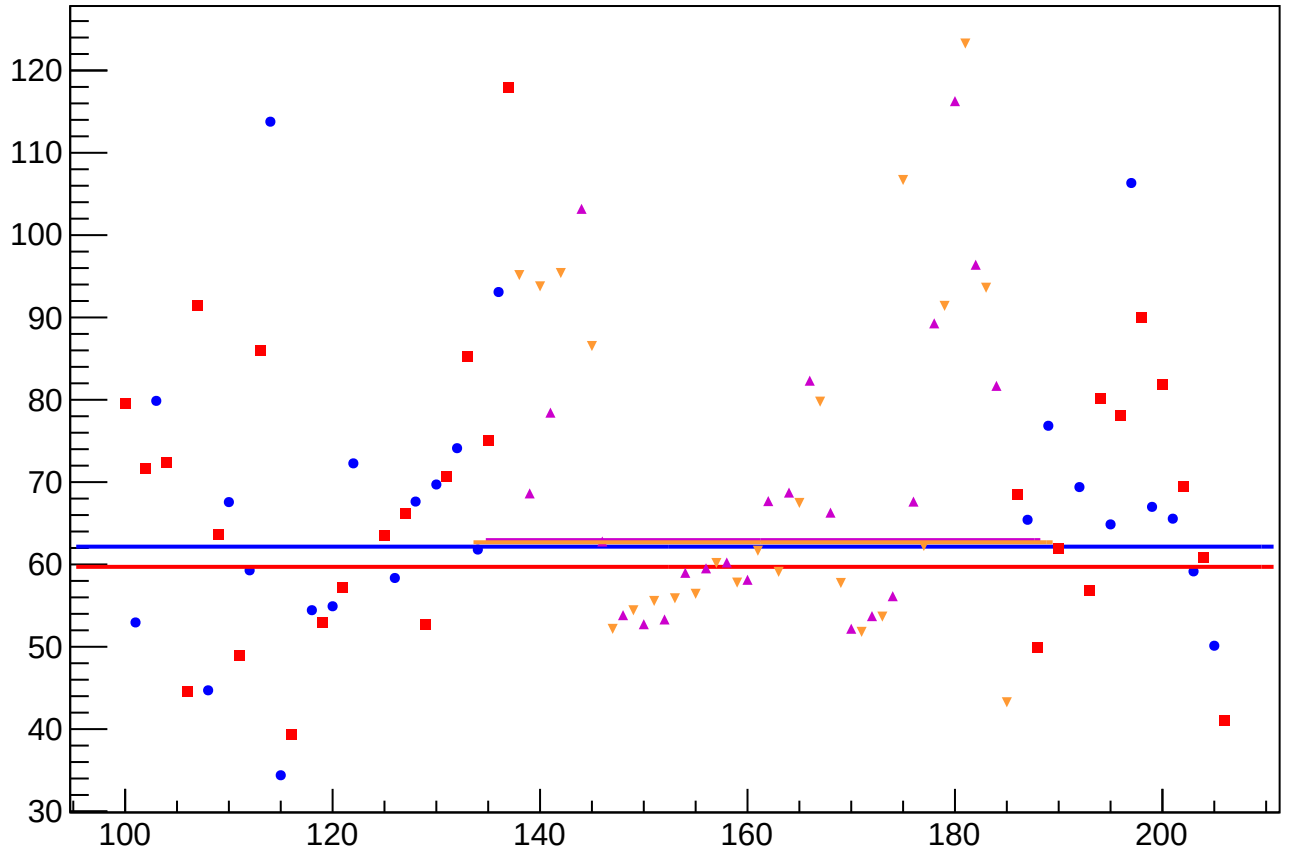
Right Out: 0.009+/-0.016 χ^2/NDF: 39.7/28

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

+ sign -0.001+/-0.012 χ^2/NDF: 56.9/48

All: 0.008+/-0.008 χ^2/NDF: 127.1/100

- sign 0.016+/-0.011 χ^2/NDF: 69.0/51



Right In: 62.162+/-0.013 χ^2/NDF: 1112498.1/24

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

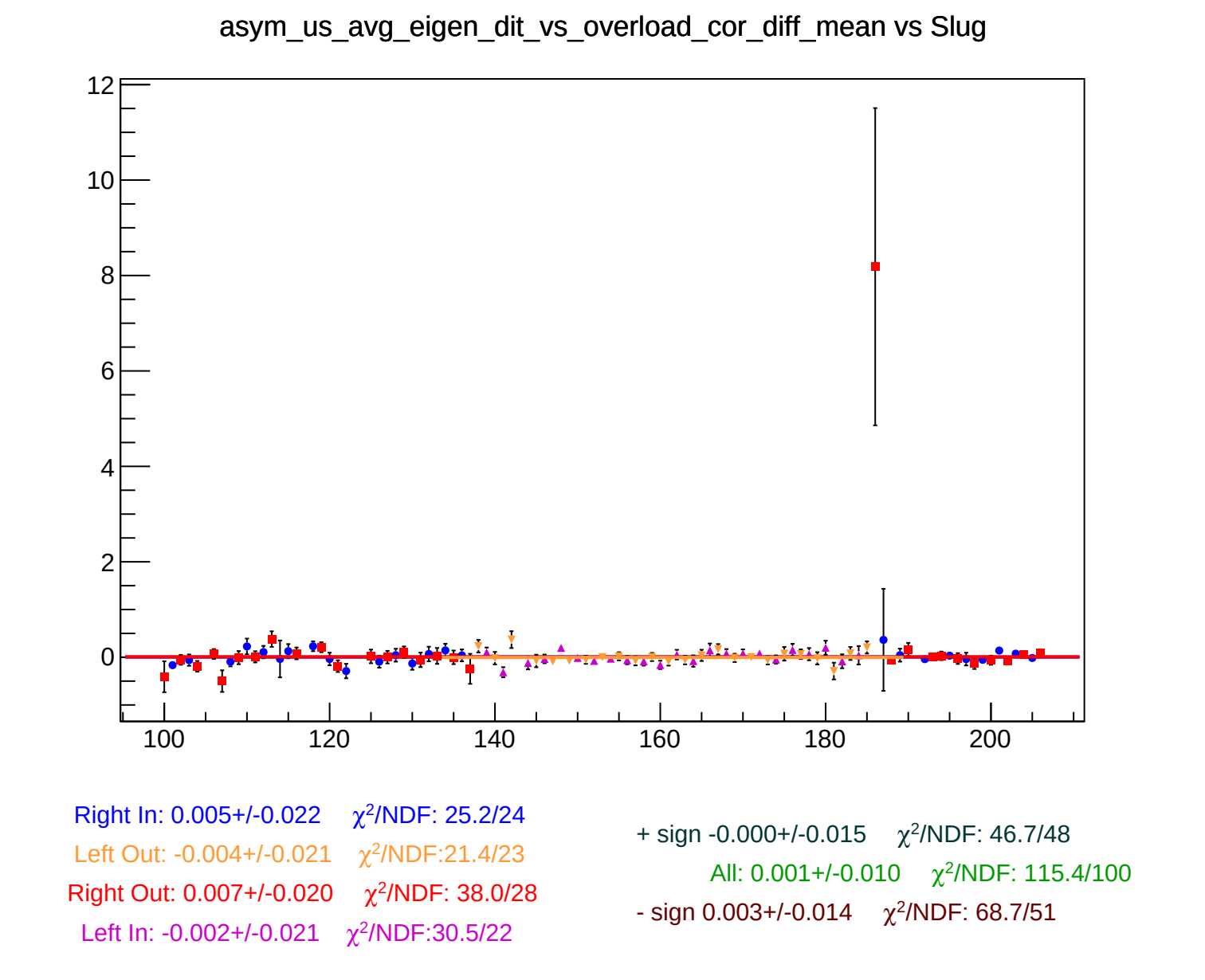
Right Out: 59.709+/-0.011 χ^2/NDF: 1672106.0/28

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

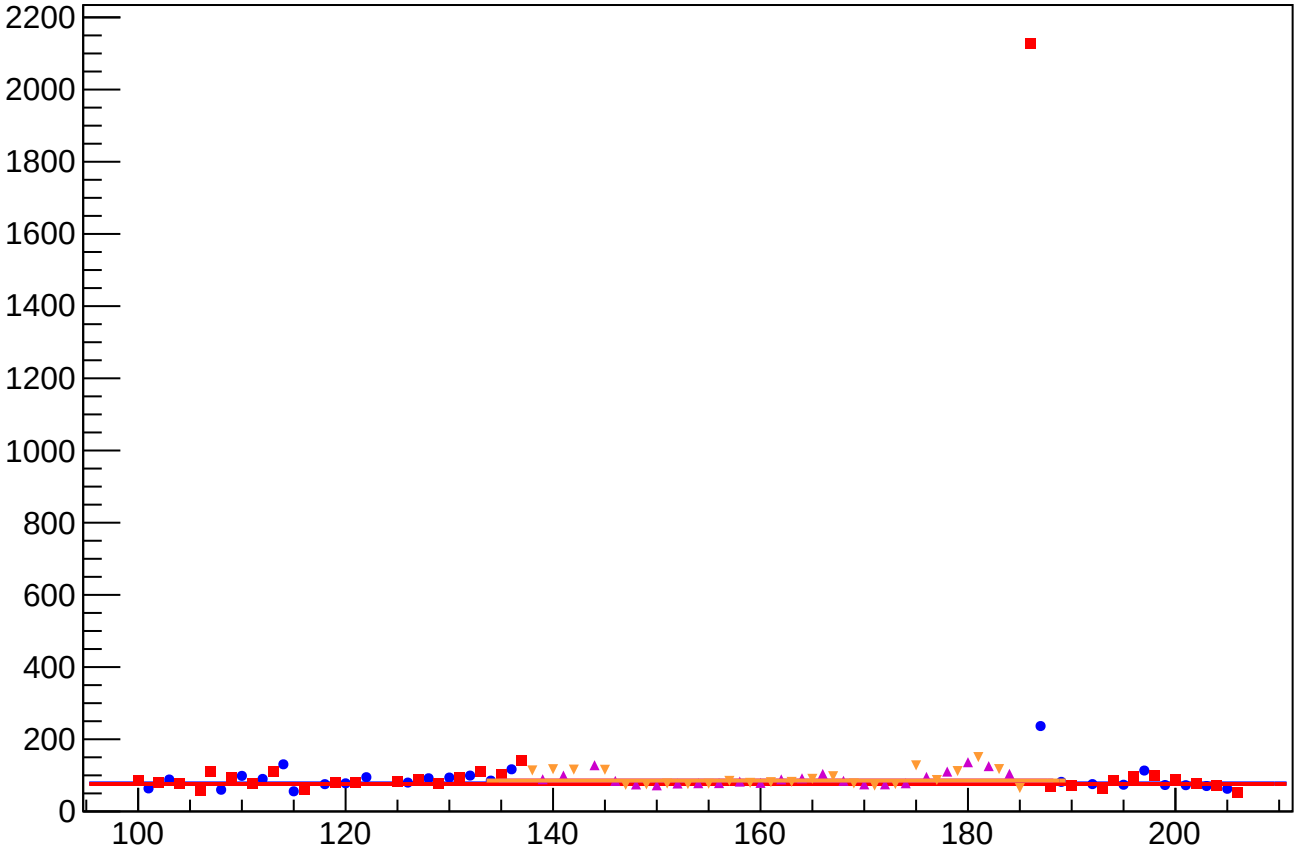
+ sign 62.463+/-0.008 χ^2/NDF: 3052906.2/48

All: 61.902+/-0.006 χ^2/NDF: 6206707.7/100

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


asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs Slug
12
10
8
6
4
2
0
100
120
140
160
180
200
Right In: 0.005+/-0.022 χ²/NDF: 25.2/24
Left Out: -0.004+/-0.021 χ²/NDF:21.4/23
Right Out: 0.007+/-0.020 χ²/NDF: 38.0/28
Left In: -0.002+/-0.021 χ²/NDF:30.5/22
+ sign -0.000+/-0.015 χ²/NDF: 46.7/48
All: 0.001+/-0.010 χ²/NDF: 115.4/100
- sign 0.003+/-0.014 χ²/NDF: 68.7/51

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 77.670+/-0.015 χ^2/NDF: 904106.0/24

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

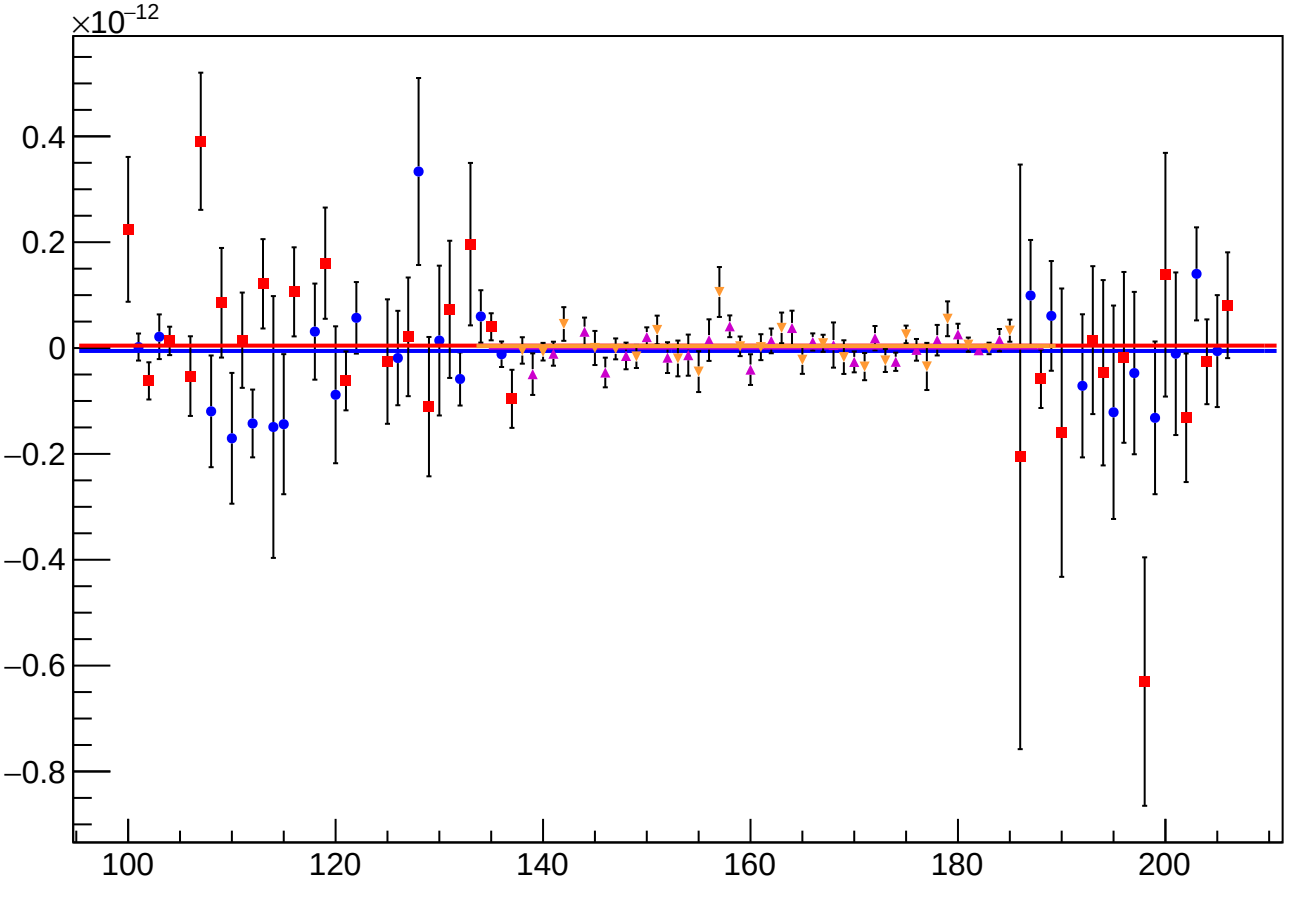
Right Out: 76.056+/-0.014 χ^2/NDF: 1951210.3/28

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

+ sign 81.885+/-0.011 χ^2/NDF: 2397362.7/48

All: 81.304+/-0.007 χ^2/NDF: 5571350.2/100

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



Right In: -0.000+/-0.000 χ^2/NDF: 23.1/24

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

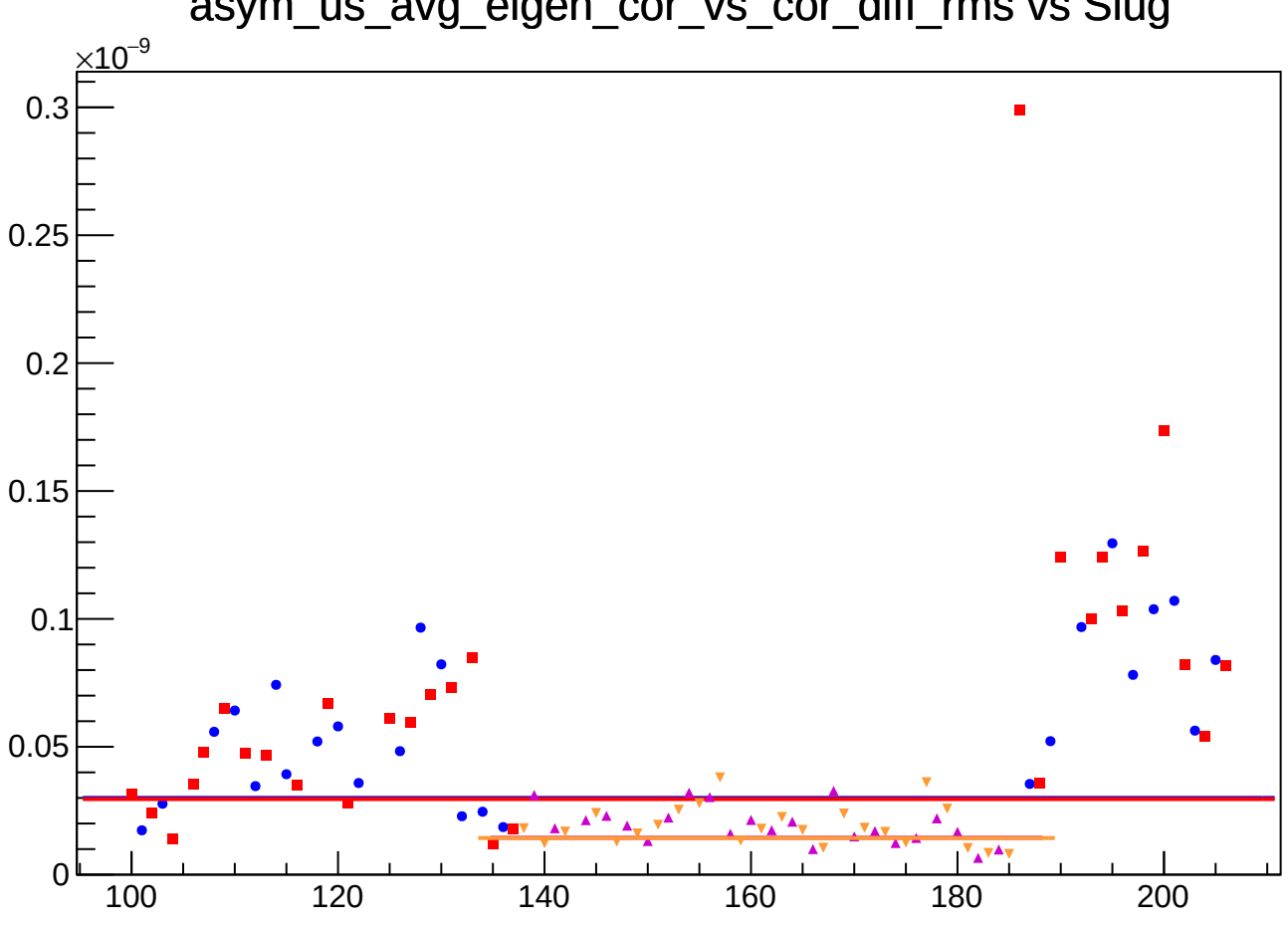
Right Out: 0.000+/-0.000 χ^2/NDF: 42.9/28

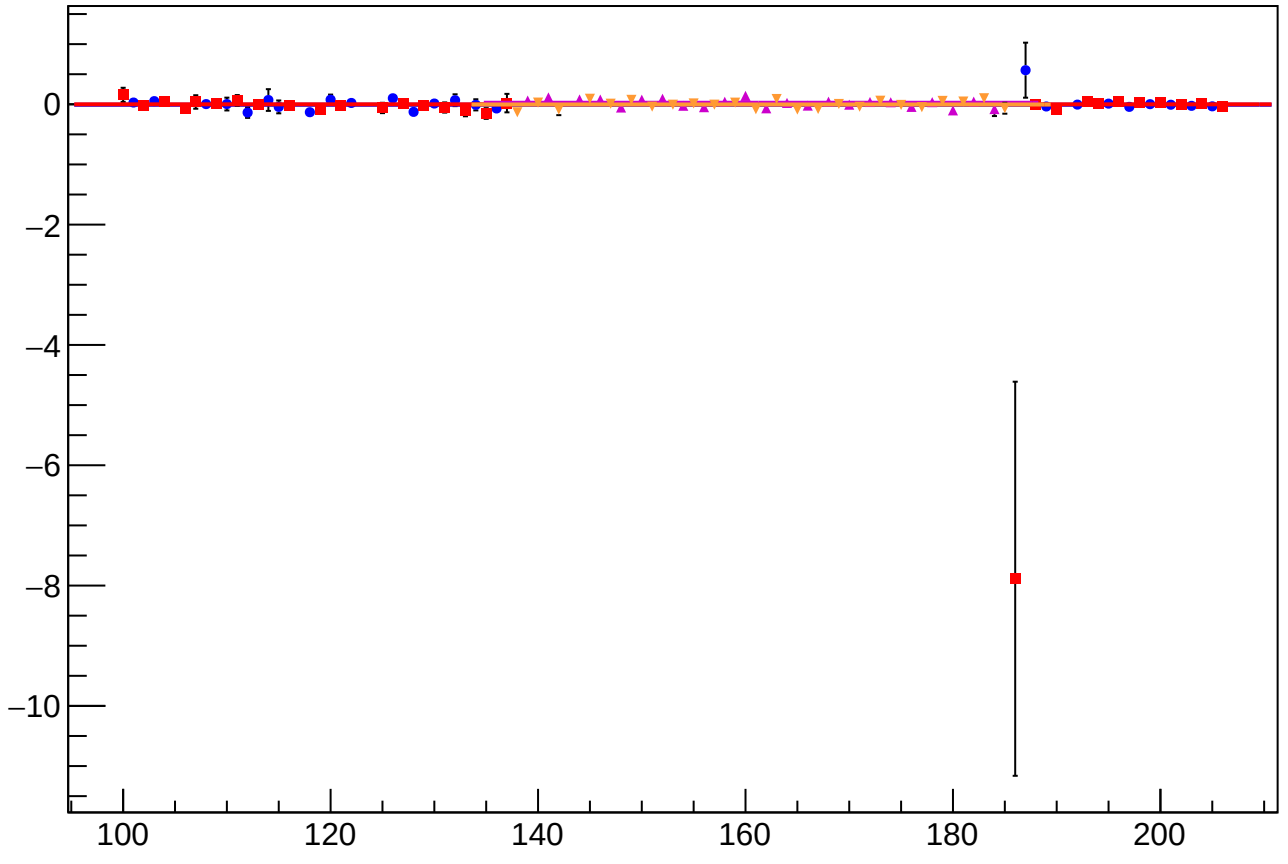
Left In: 0.000+/-0.000 χ^2/NDF:23.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 48.5/48

All: 0.000+/-0.000 χ^2/NDF: 115.2/100

- sign 0.000+/-0.000 χ^2/NDF: 66.6/51


asym_us_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.3
0.25
0.2
0.15
0.1
0.05
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5227568.5/24
Left Out: 0.000+/-0.000 χ²/NDF:3611096.1/23
Right Out: 0.000+/-0.000 χ²/NDF: 7907480.8/28
Left In: 0.000+/-0.000 χ²/NDF:4256069.8/22
+ sign 0.000+/-0.000 χ²/NDF: 11607495.0/48
All: 0.000+/-0.000 χ²/NDF: 26377770.1/100
- sign 0.000+/-0.000 χ²/NDF: 14769841.1/51



Right In: -0.008+/-0.009 χ^2/NDF: 20.8/24

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

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

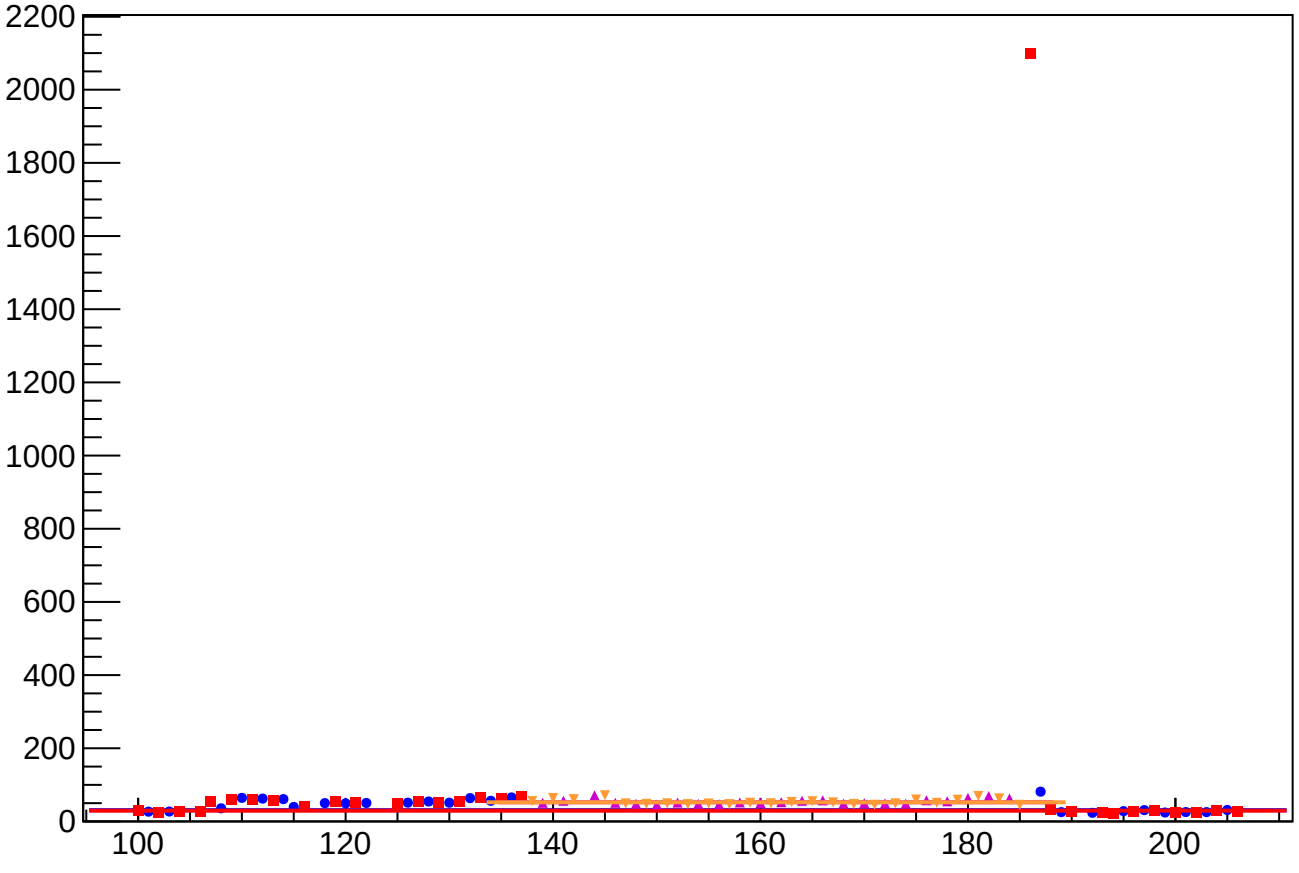
Left In: 0.025+/-0.013 χ^2/NDF:24.3/22

+ sign -0.006+/-0.007 χ^2/NDF: 44.0/48

All: 0.001+/-0.005 χ^2/NDF: 105.6/100

- sign 0.007+/-0.007 χ^2/NDF: 59.7/51

asym_us_avg_overload_cor_vs_cor_diff_rms vs Slug



Right In: 30.824+/-0.006 χ^2/NDF: 2795780.7/24

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

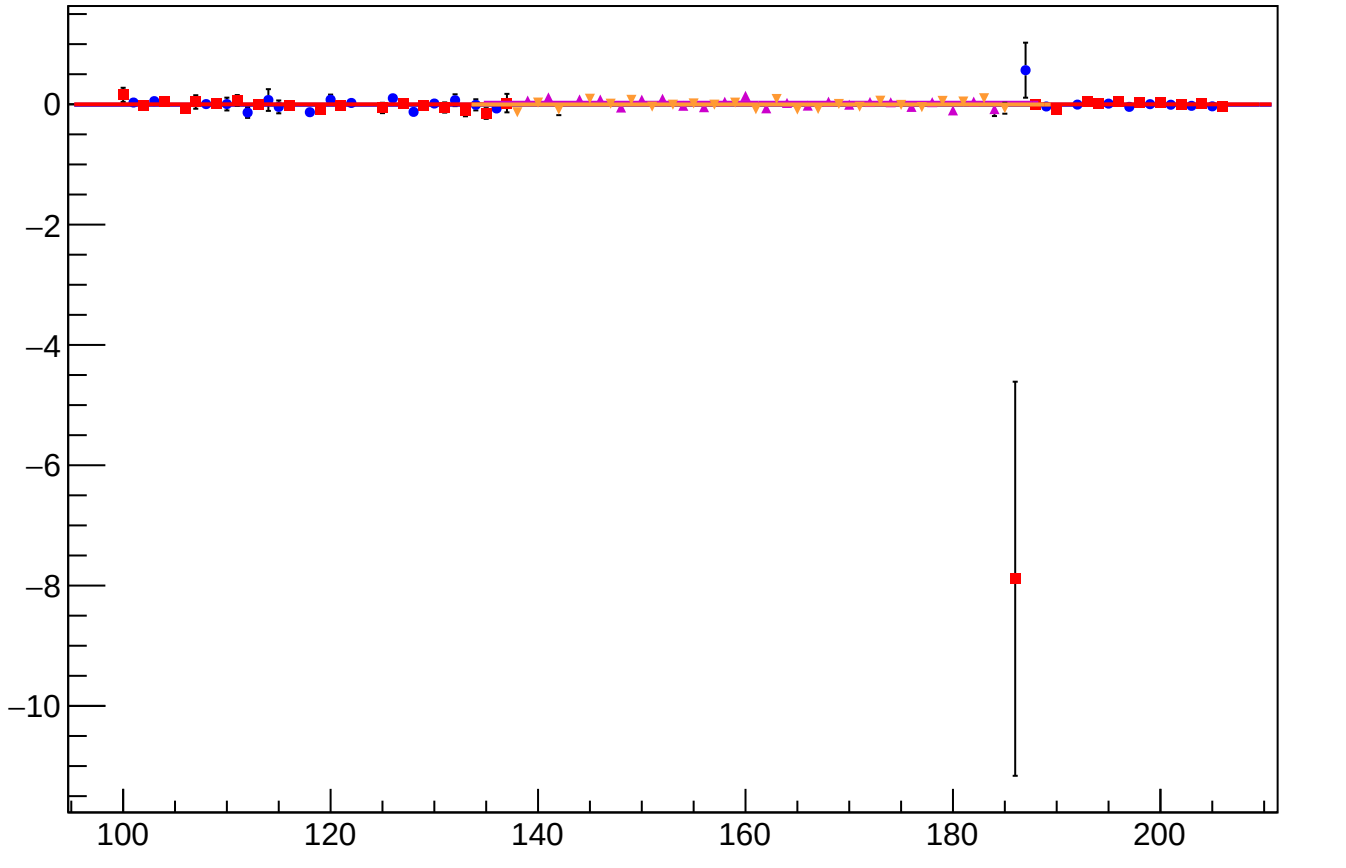
Right Out: 29.568+/-0.006 χ^2/NDF: 3831822.1/28

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

+ sign 38.234+/-0.005 χ^2/NDF: 7263970.5/48

All: 37.262+/-0.004 χ^2/NDF: 16315384.5/100

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



Right In: -0.008+/-0.009 χ^2/NDF: 20.8/24

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

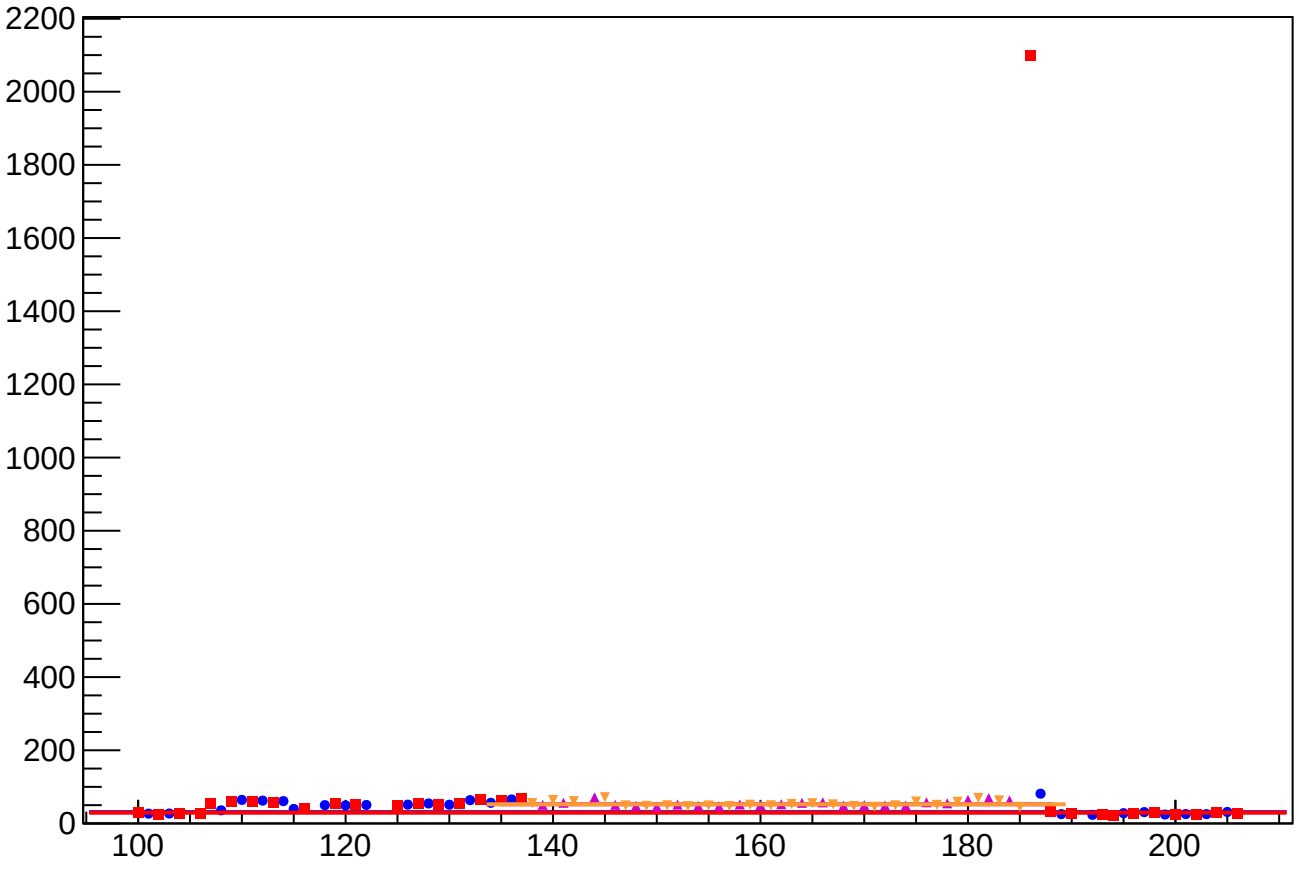
Right Out: -0.001+/-0.008 χ^2/NDF: 32.4/28

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

+ sign -0.006+/-0.007 χ^2/NDF: 44.0/48

All: 0.001+/-0.005 χ^2/NDF: 105.6/100

- sign 0.007+/-0.007 χ^2/NDF: 59.7/51



Right In: 30.824+/-0.006 χ^2/NDF: 2795780.7/24

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

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

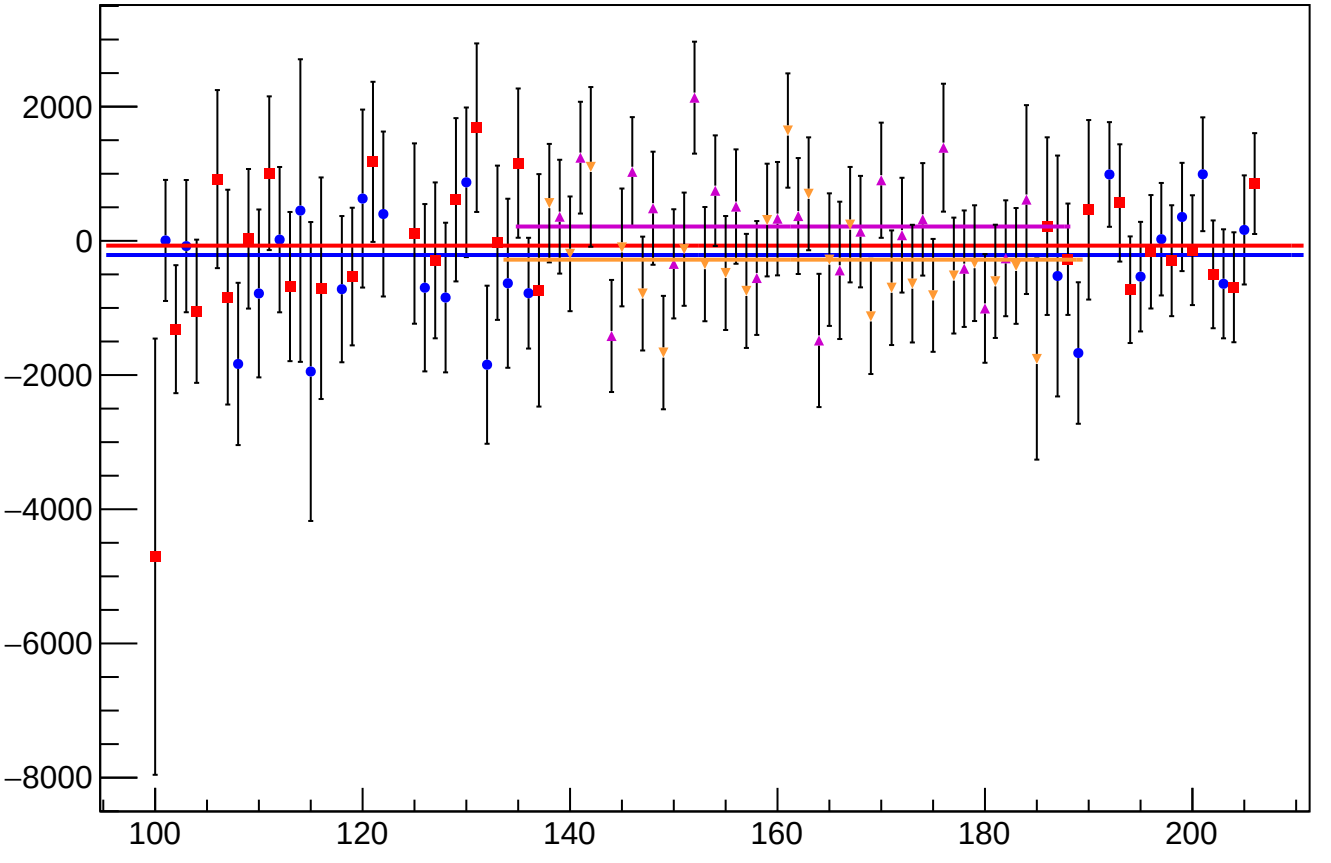
Left In: 52.484+/-0.009 χ^2/NDF:445297.7/22

+ sign 38.234+/-0.005 χ^2/NDF: 7263970.5/48

All: 37.262+/-0.004 χ^2/NDF: 16315384.5/100

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

reg_asym_us_dd_mean vs Slug



Right In: -211.076+/-205.376 χ^2/NDF: 15.2/24

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

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

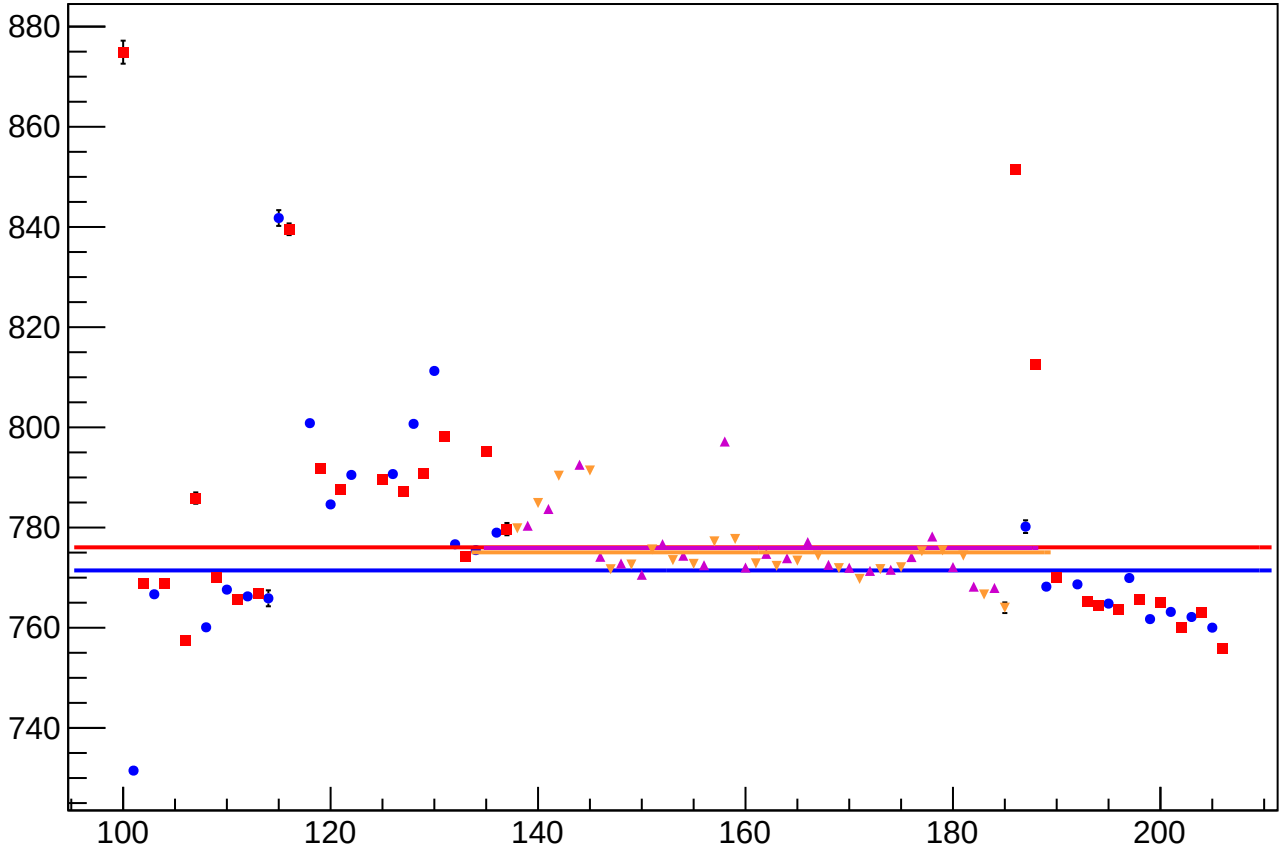
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -250.285+/-135.316 χ^2/NDF: 31.3/48

All: -81.155+/-94.587 χ^2/NDF: 73.5/100

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

reg_asym_us_dd_rms vs Slug



Right In: 771.440+/-0.145 χ^2/NDF: 14353.4/24

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

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

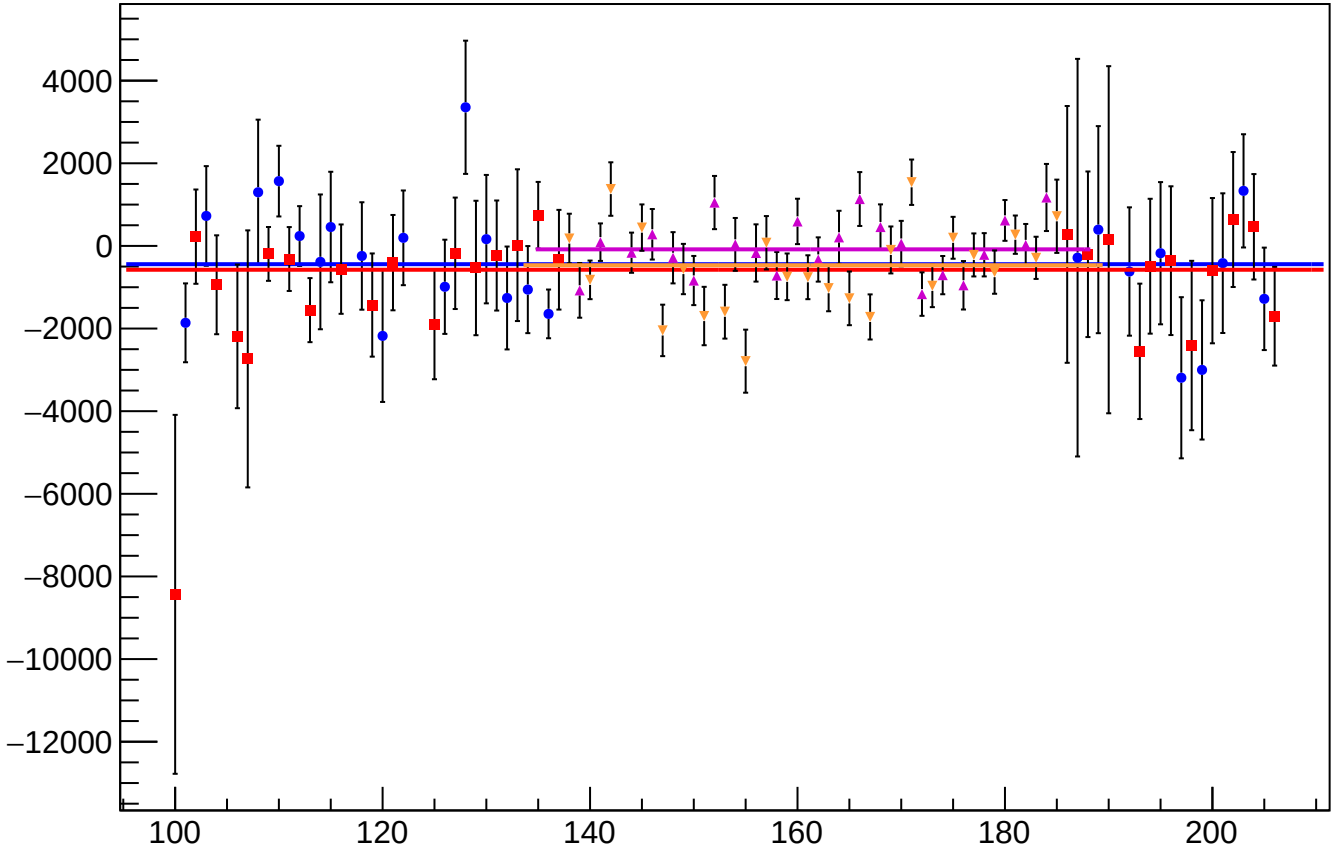
Left In: 775.922+/-0.128 χ^2/NDF:2973.0/22

+ sign 773.483+/-0.096 χ^2/NDF: 16654.2/48

All: 774.761+/-0.067 χ^2/NDF: 43420.8/100

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

asym_us_dd_reg_correction_mean vs Slug



Right In: -442.359+/-241.388 χ^2/NDF: 30.0/24

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

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

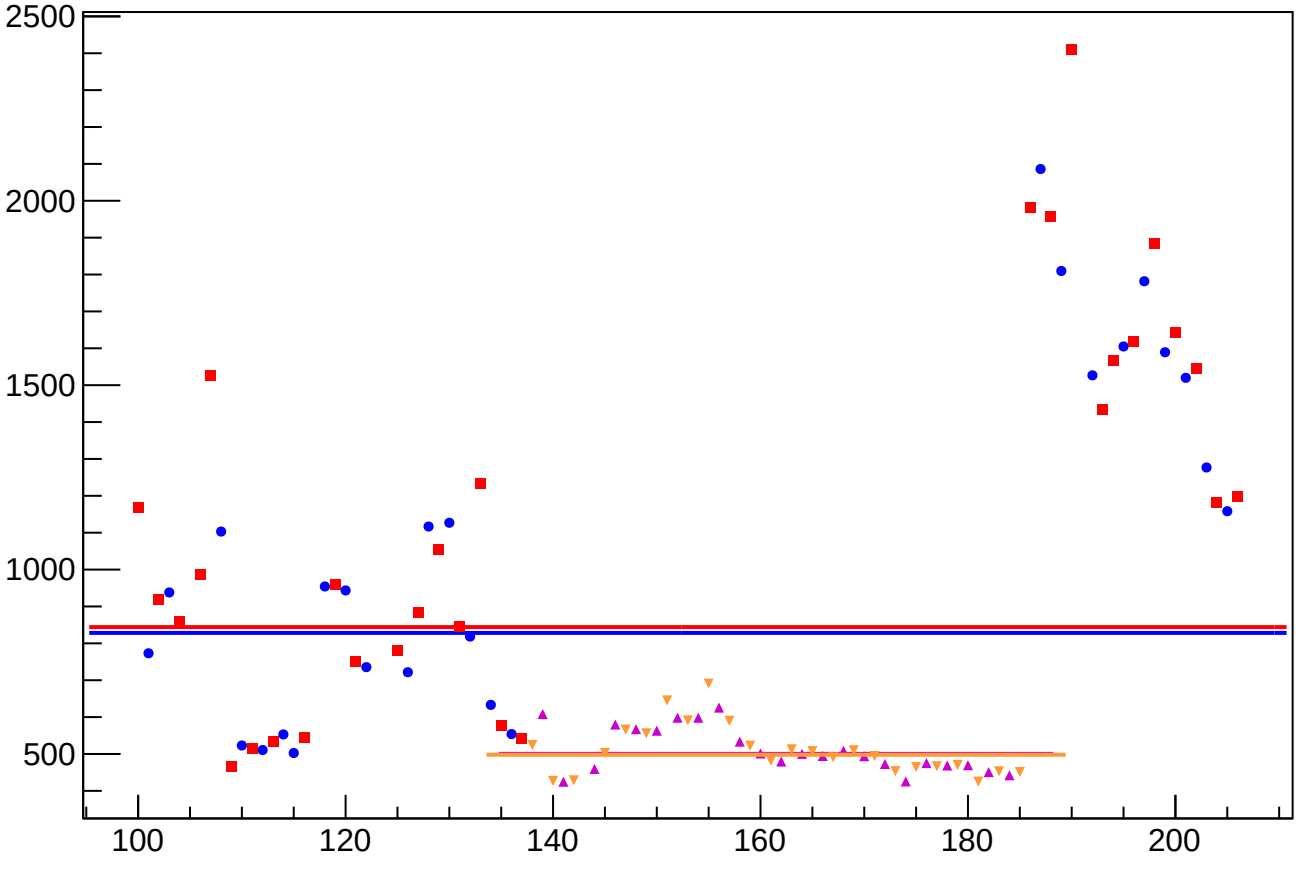
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -462.453+/-105.075 χ^2/NDF: 94.4/48

All: -322.821+/-74.368 χ^2/NDF: 145.8/100

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

asym_us_dd_reg_correction_rms vs Slug



Right In: 828.312+/-0.171 χ^2/NDF: 4419502.6/24

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

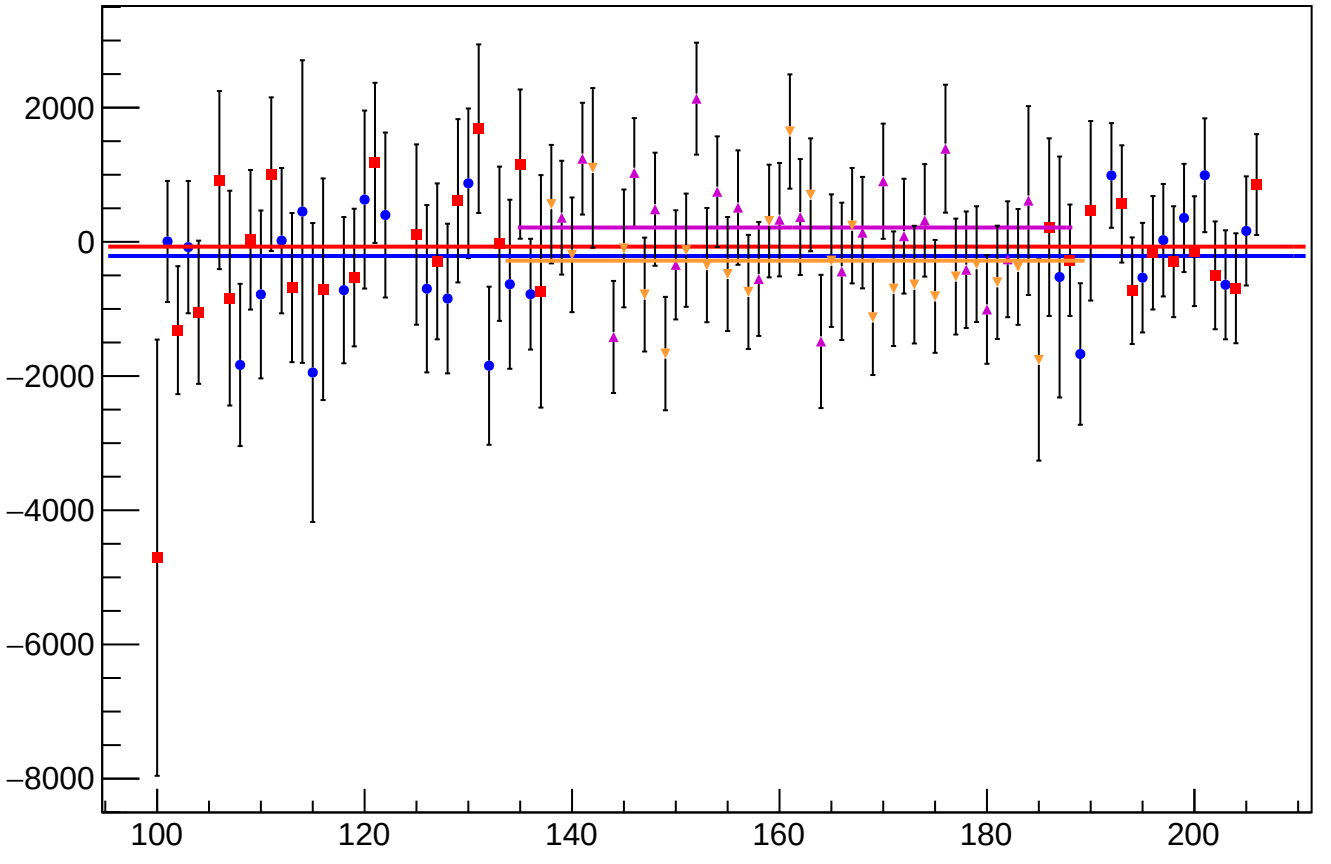
Right Out: 844.053+/-0.166 χ^2/NDF: 5935208.2/28

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

+ sign 560.560+/-0.074 χ^2/NDF: 7982496.4/48

All: 565.062+/-0.053 χ^2/NDF: 17833993.5/10

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



Right In: -211.076+/-205.376 χ^2/NDF: 15.2/24

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

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

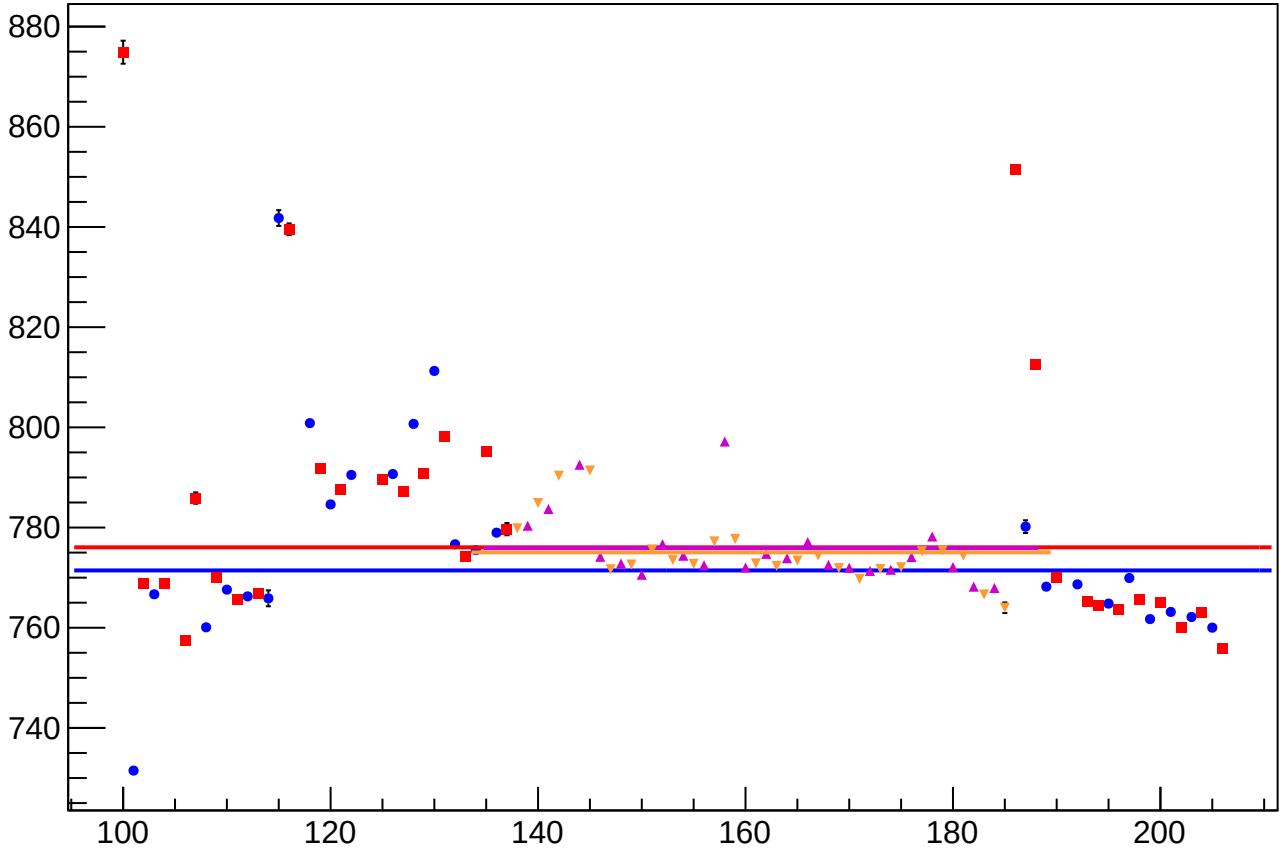
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -250.285+/-135.316 χ^2/NDF: 31.3/48

All: -81.155+/-94.587 χ^2/NDF: 73.5/100

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

cor_asym_us_dd_rms vs Slug



Right In: 771.440+/-0.145 χ^2/NDF: 14353.4/24

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

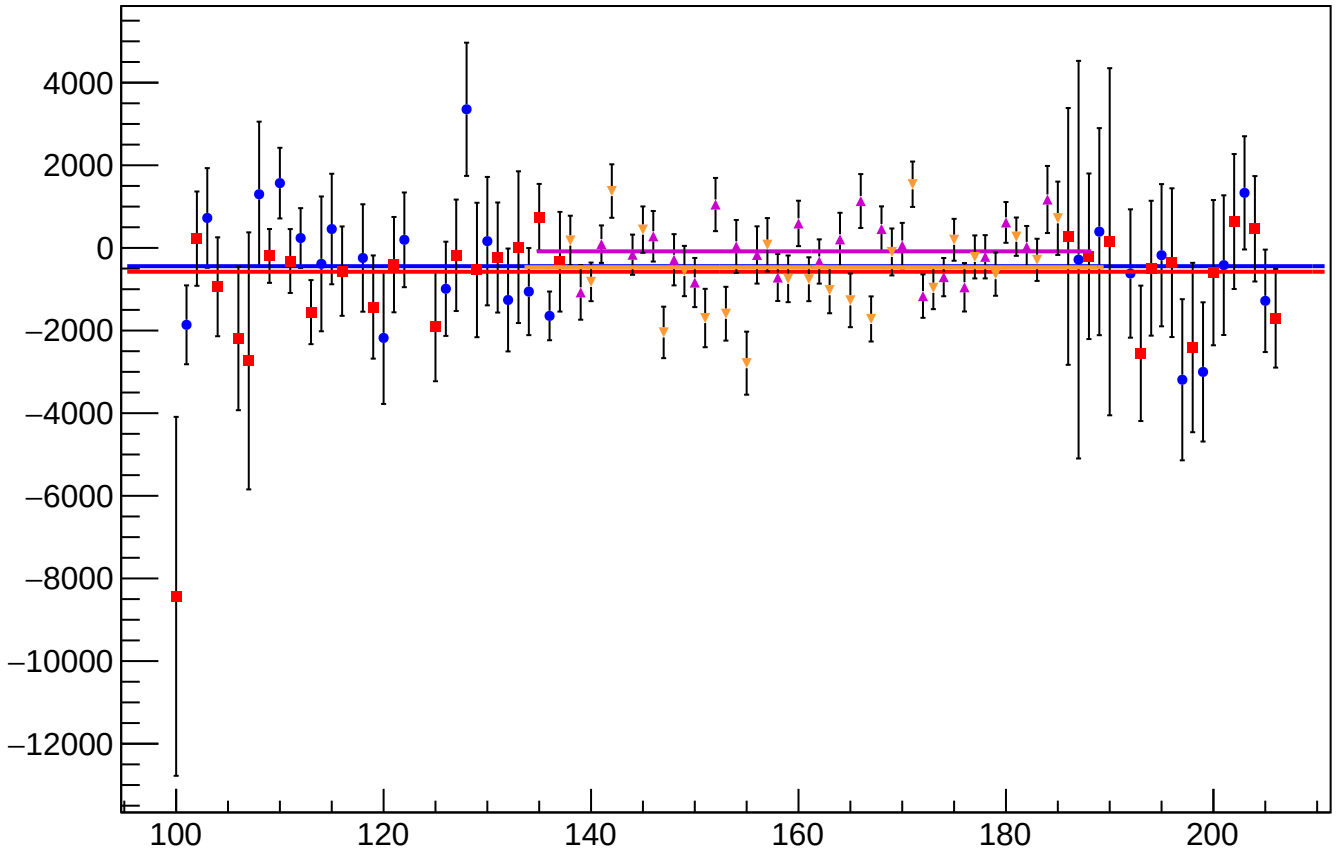
Right Out: 776.051+/-0.137 χ^2/NDF: 23444.3/28

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

+ sign 773.483+/-0.096 χ^2/NDF: 16654.2/48

All: 774.761+/-0.067 χ^2/NDF: 43420.8/100

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



Right In: -442.359+/-241.388 χ^2/NDF: 30.0/24

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

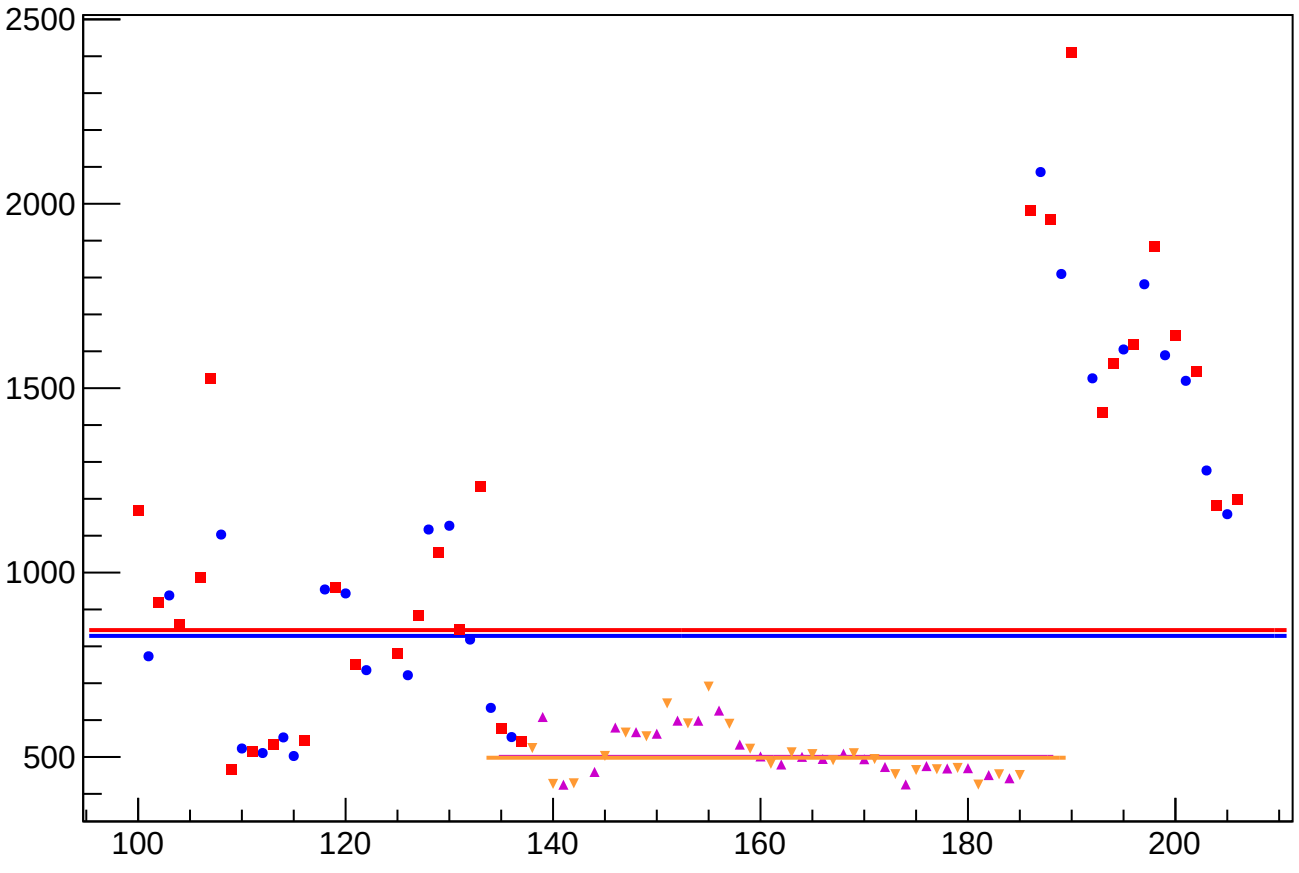
Right Out: -576.963+/-234.498 χ^2/NDF: 16.2/28

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

+ sign -462.453+/-105.075 χ^2/NDF: 94.4/48

All: -322.821+/-74.368 χ^2/NDF: 145.8/100

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



Right In: 828.312+/-0.171 χ^2/NDF: 4419502.6/24

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

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

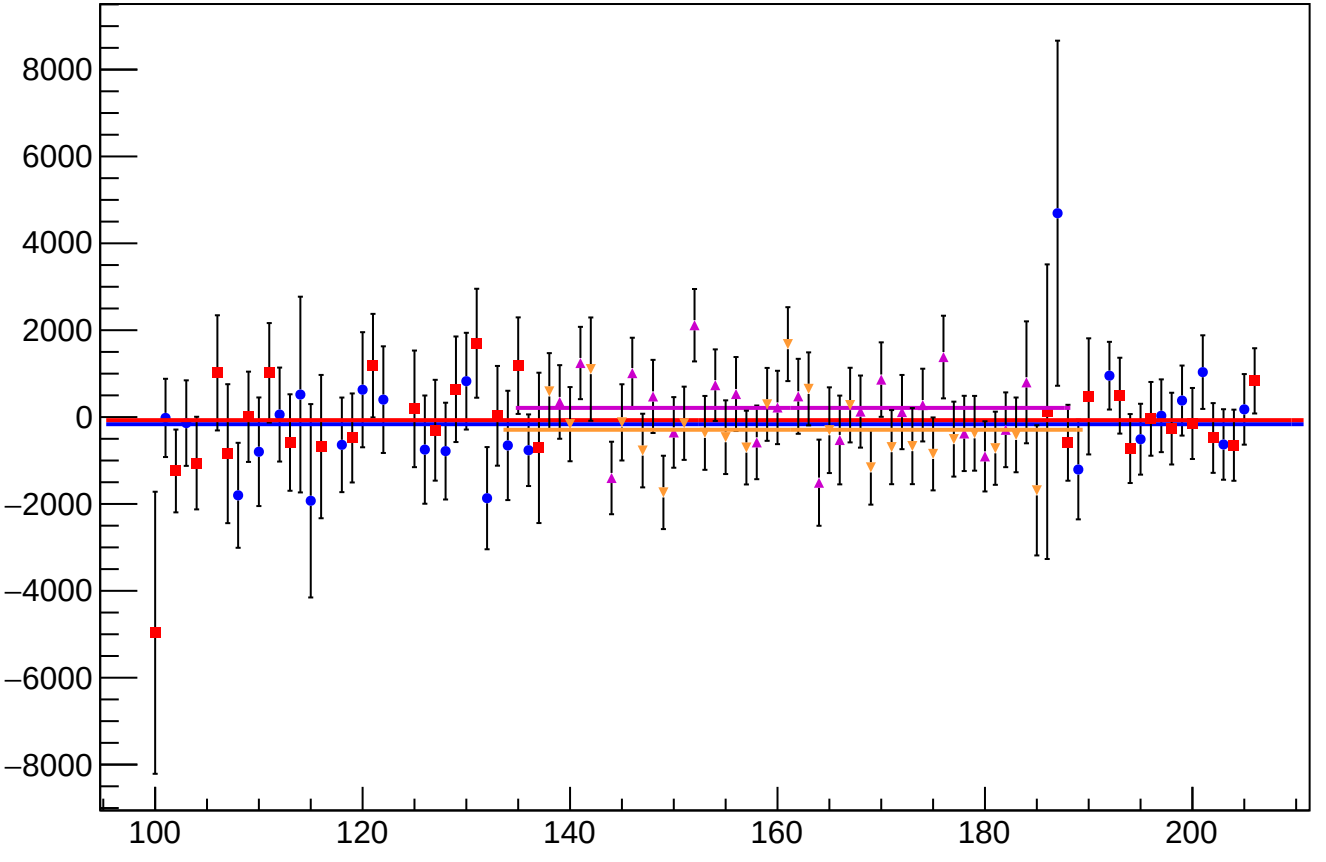
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 560.560+/-0.074 χ^2/NDF: 7982496.4/48

All: 565.062+/-0.053 χ^2/NDF: 17833993.5/10

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

overload_cor_asym_us_dd_mean vs Slug



Right In: -163.914+/-206.898 χ^2/NDF: 15.3/24

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

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

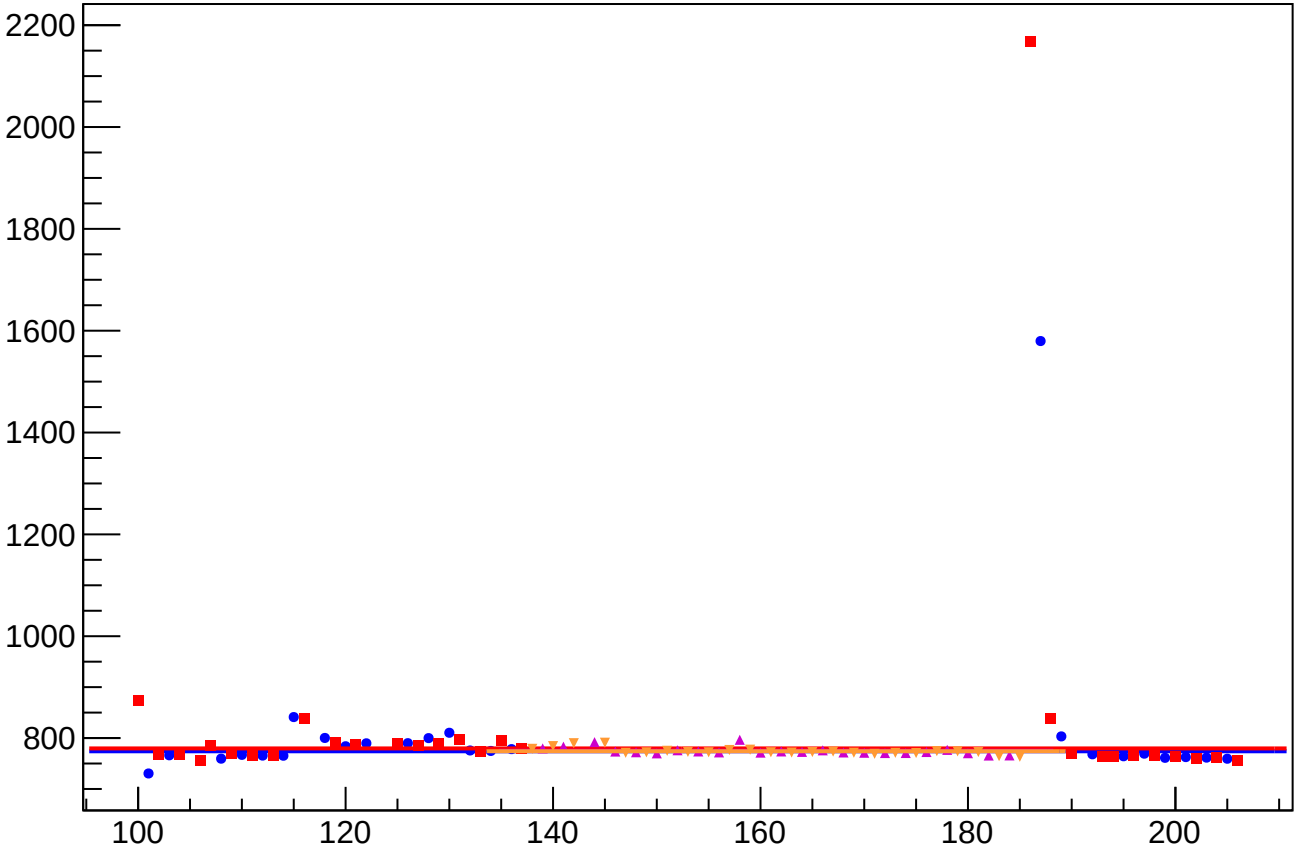
Left In: 211.238+/-180.951 χ^2/NDF:22.1/22

+ sign -236.955+/-135.658 χ^2/NDF: 32.1/48

All: -74.516+/-94.928 χ^2/NDF: 74.0/100

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

overload_cor_asym_us_dd_rms vs Slug



Right In: 774.028+/-0.146 χ^2/NDF: 98351.2/24

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

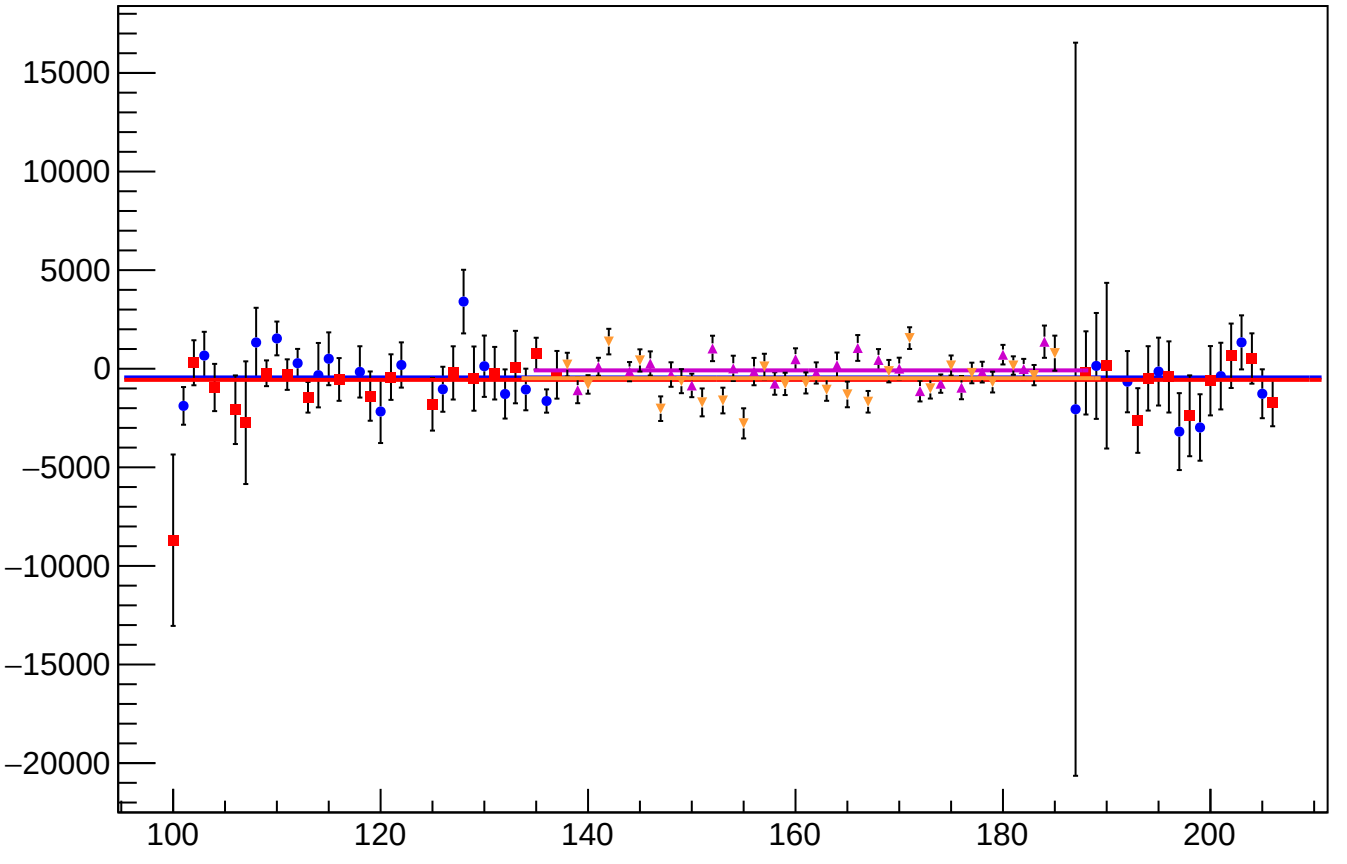
Right Out: 779.624+/-0.138 χ^2/NDF: 359188.8/28

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

+ sign 774.093+/-0.096 χ^2/NDF: 100412.0/48

All: 775.640+/-0.067 χ^2/NDF: 463863.4/100

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



Right In: -441.084+/-242.115 χ^2/NDF: 29.9/24

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

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

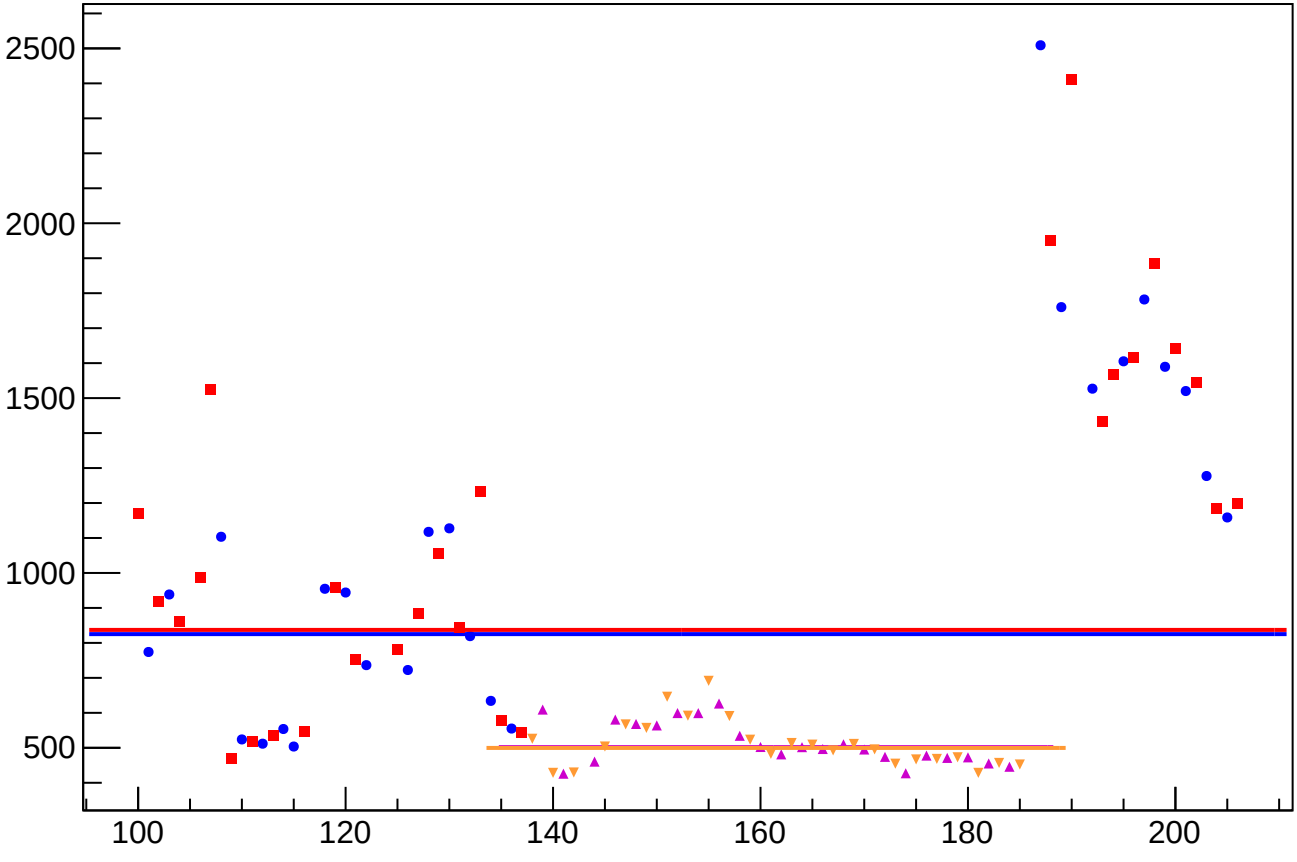
Left In: -83.196+/-118.194 χ^2/NDF:28.2/22

+ sign -473.688+/-105.411 χ^2/NDF: 93.5/48

All: -327.159+/-74.621 χ^2/NDF: 145.0/99

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

asym_us_dd_overload_cor_correction_rms vs Slug



Right In: 825.088+/-0.171 χ^2/NDF: 4220075.9/24

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

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

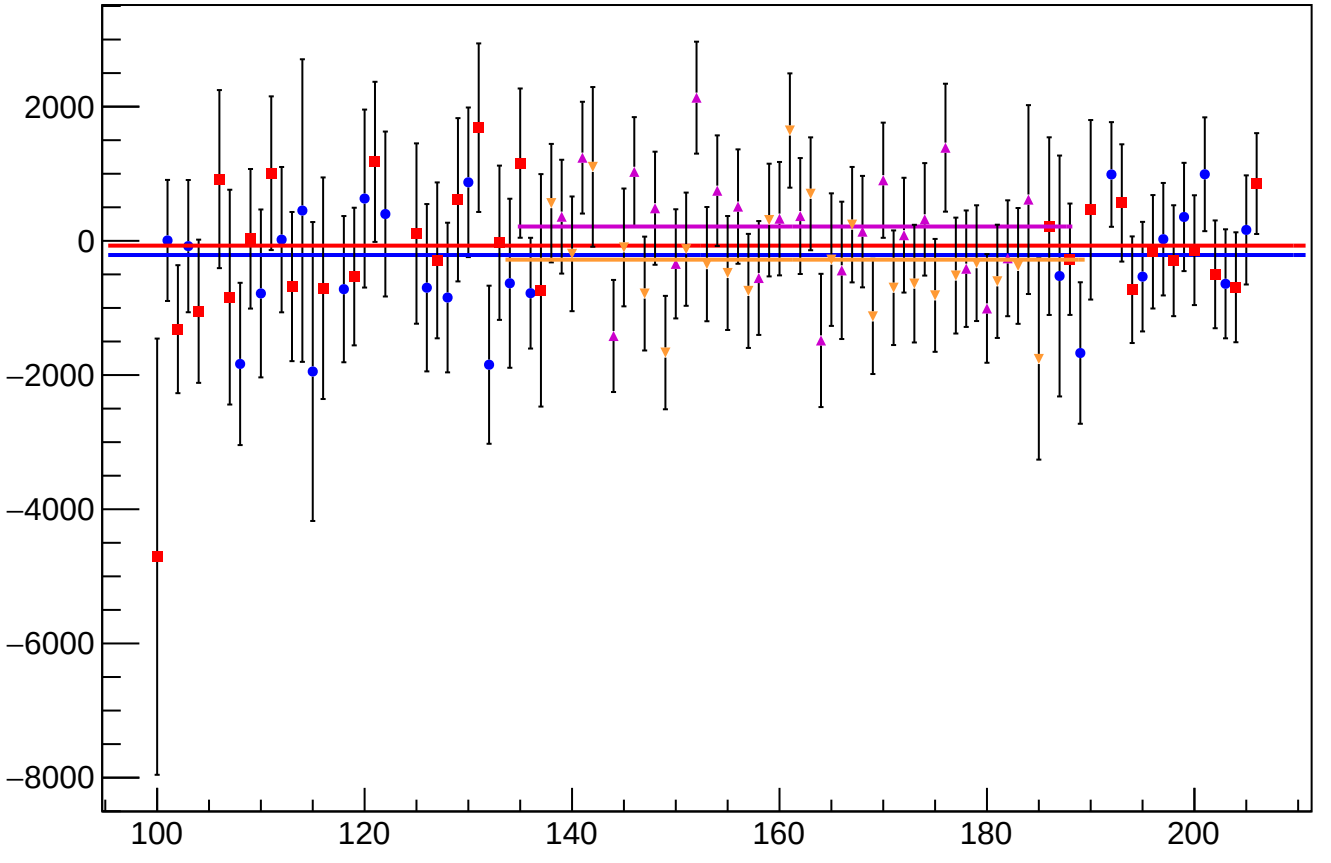
Left In: 502.026+/-0.084 χ^2/NDF:467449.2/22

+ sign 561.354+/-0.075 χ^2/NDF: 7664536.2/48

All: 565.366+/-0.053 χ^2/NDF: 16945803.0/99

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

eigen_cor_asym_us_dd_mean vs Slug



Right In: -211.076+/-205.376 χ^2/NDF: 15.2/24

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

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

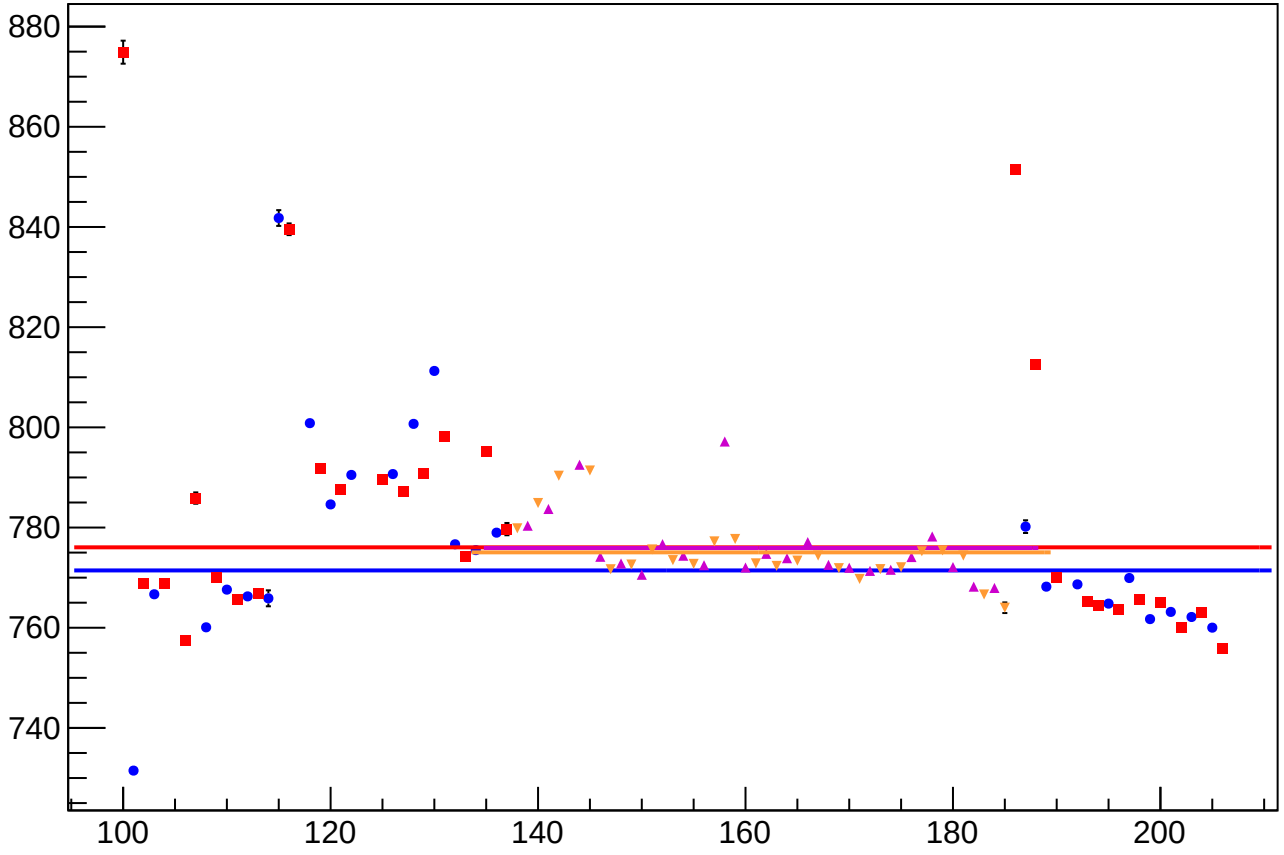
Left In: 213.425+/-181.168 χ^2/NDF:22.4/22

+ sign -250.285+/-135.316 χ^2/NDF: 31.3/48

All: -81.155+/-94.587 χ^2/NDF: 73.5/100

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

eigen_cor_asym_us_dd_rms vs Slug



Right In: 771.440+/-0.145 χ^2/NDF: 14353.4/24

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

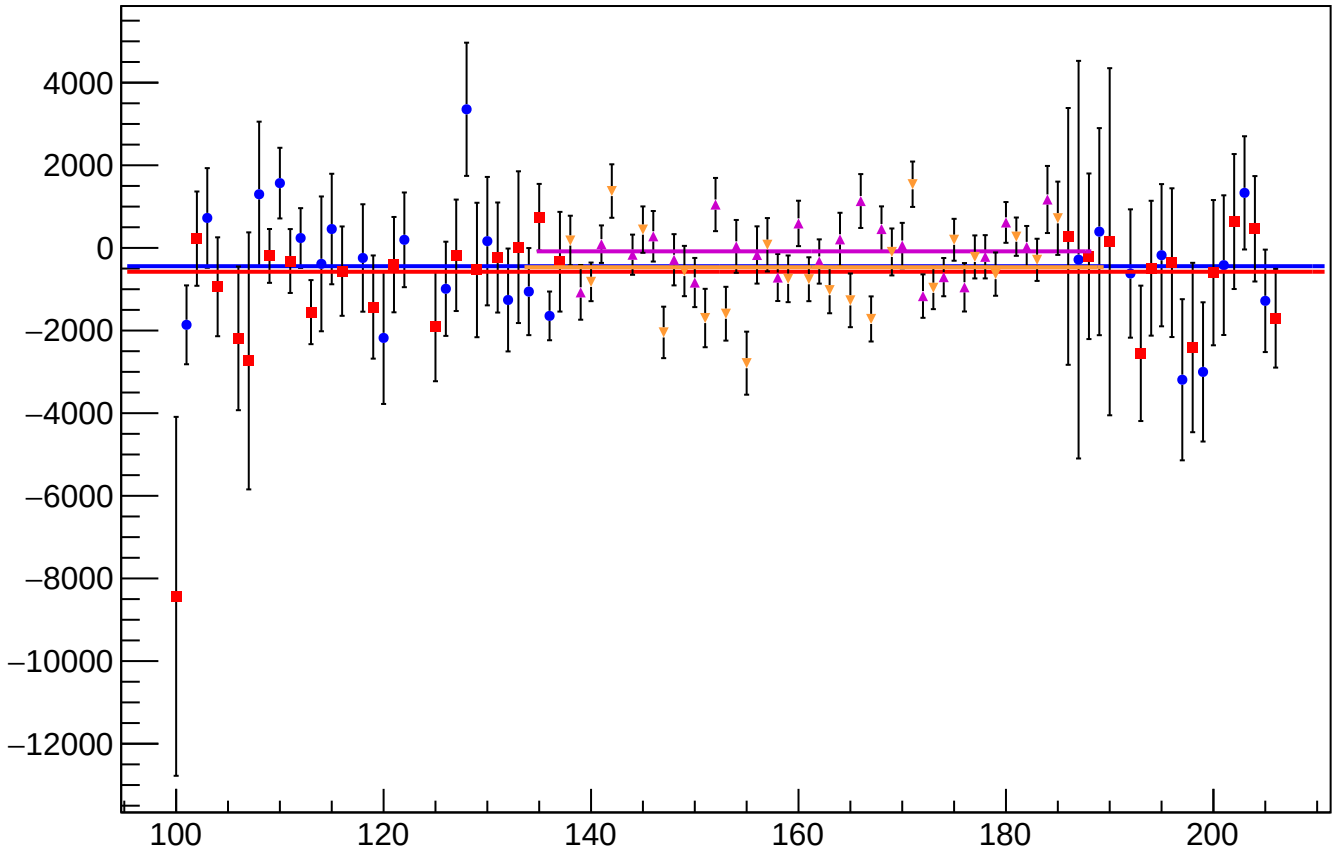
Right Out: 776.051+/-0.137 χ^2/NDF: 23444.3/28

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

+ sign 773.483+/-0.096 χ^2/NDF: 16654.2/48

All: 774.761+/-0.067 χ^2/NDF: 43420.8/100

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



Right In: -442.359+/-241.388 χ^2/NDF: 30.0/24

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

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

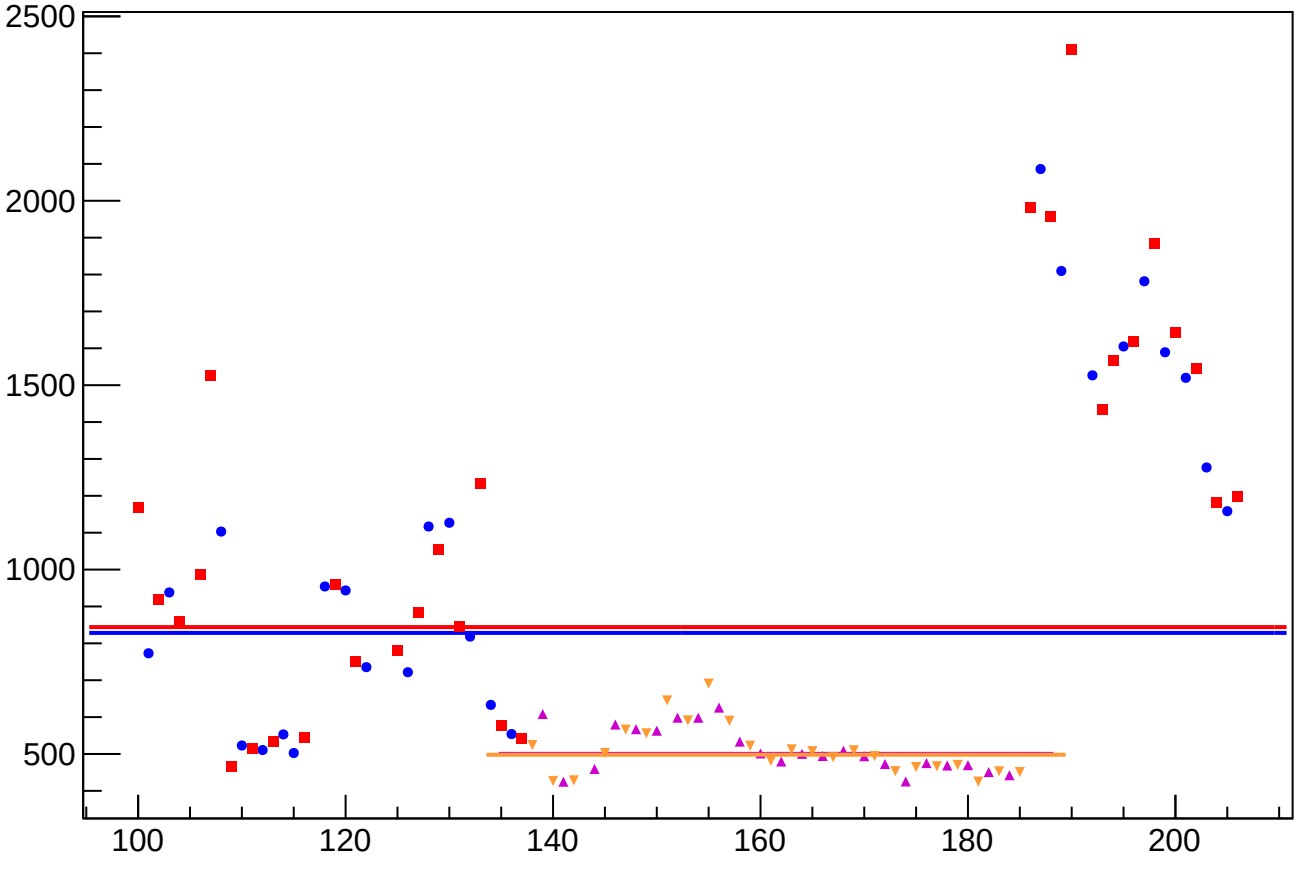
Left In: -83.154+/-117.808 χ^2/NDF:28.1/22

+ sign -462.453+/-105.075 χ^2/NDF: 94.4/48

All: -322.821+/-74.368 χ^2/NDF: 145.8/100

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

asym_us_dd_eigen_cor_correction_rms vs Slug



Right In: 828.312+/-0.171 χ^2/NDF: 4419502.6/24

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

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

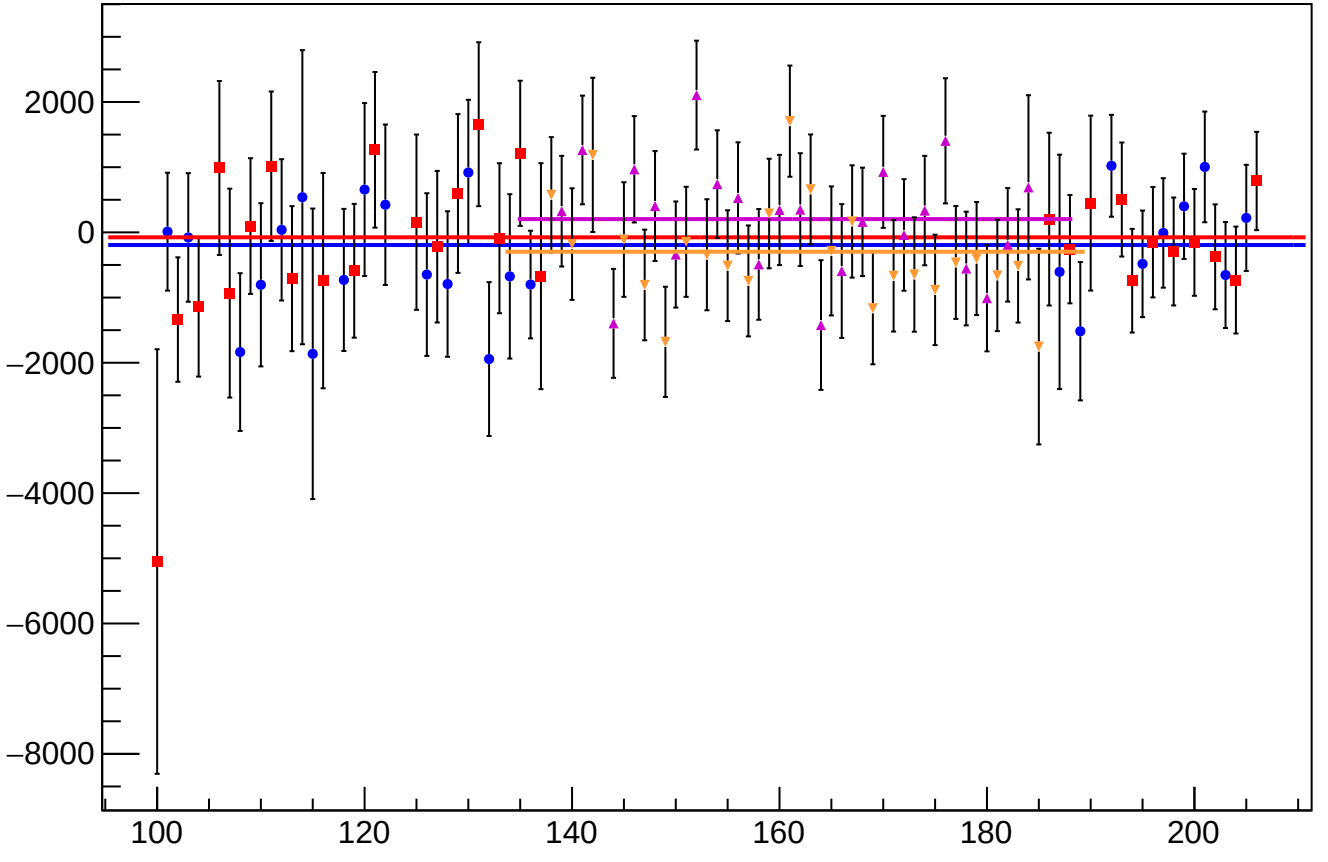
Left In: 500.307+/-0.083 χ^2/NDF:477388.4/22

+ sign 560.560+/-0.074 χ^2/NDF: 7982496.4/48

All: 565.062+/-0.053 χ^2/NDF: 17833993.5/10

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

dit_asym_us_dd_mean vs Slug



Right In: -193.826+/-205.654 χ^2/NDF: 15.4/24

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

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

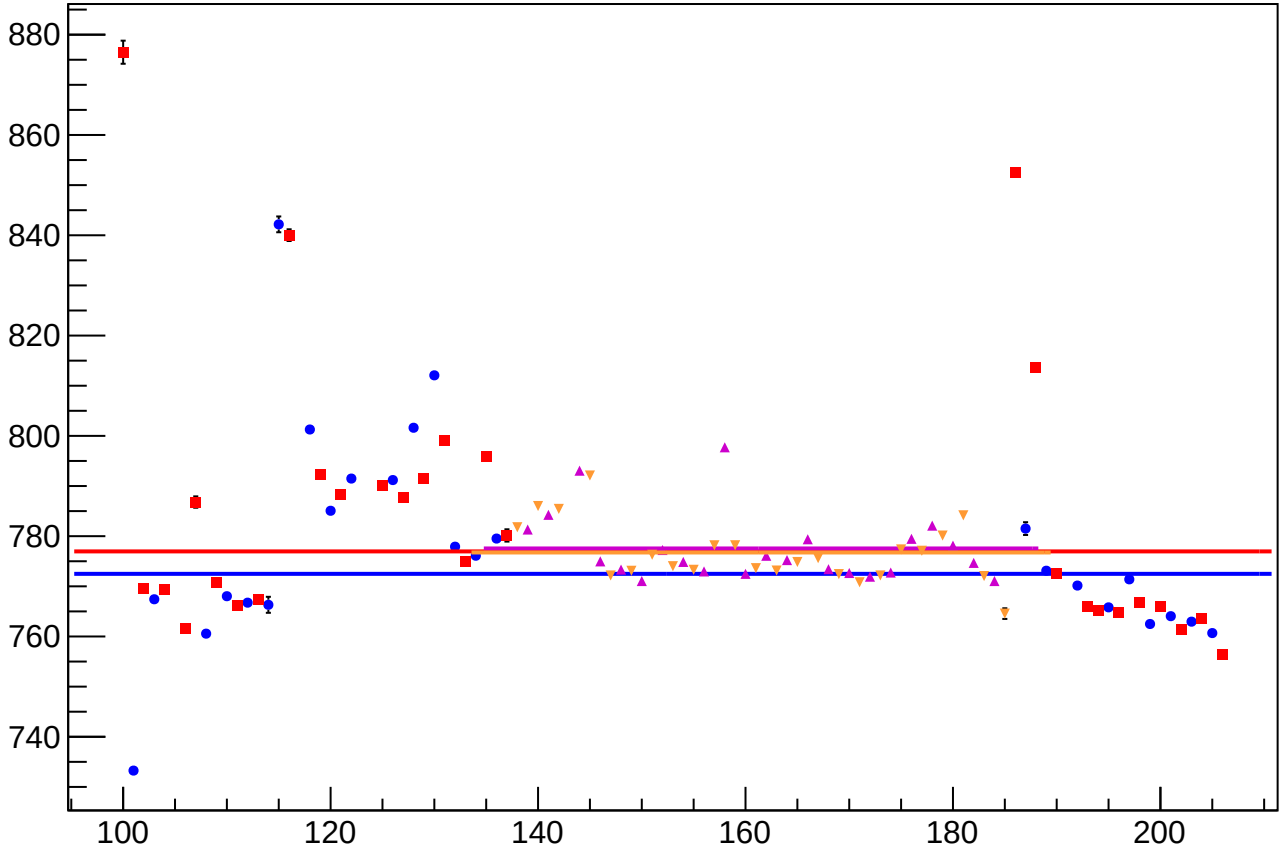
Left In: 203.339+/-181.548 χ^2/NDF:22.1/22

+ sign -252.038+/-135.566 χ^2/NDF: 32.2/48

All: -85.848+/-94.756 χ^2/NDF: 74.6/100

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

dit_asym_us_dd_rms vs Slug



Right In: 772.489+/-0.145 χ^2/NDF: 14052.5/24

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

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

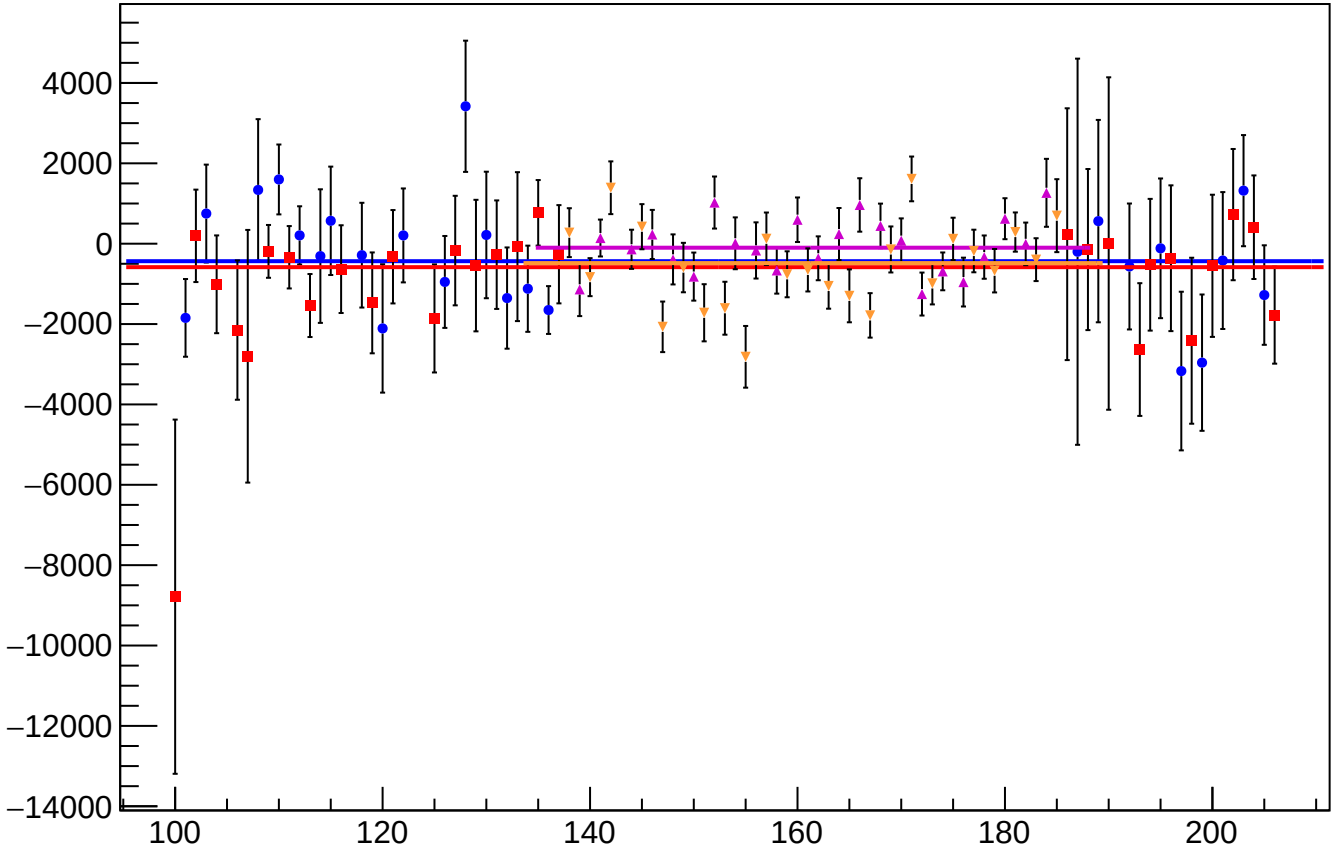
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 774.899+/-0.096 χ^2/NDF: 16364.4/48

All: 776.115+/-0.067 χ^2/NDF: 42690.6/100

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

asym_us_dd_dit_correction_mean vs Slug



Right In: -435.460+/-243.610 χ^2/NDF: 29.8/24

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

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

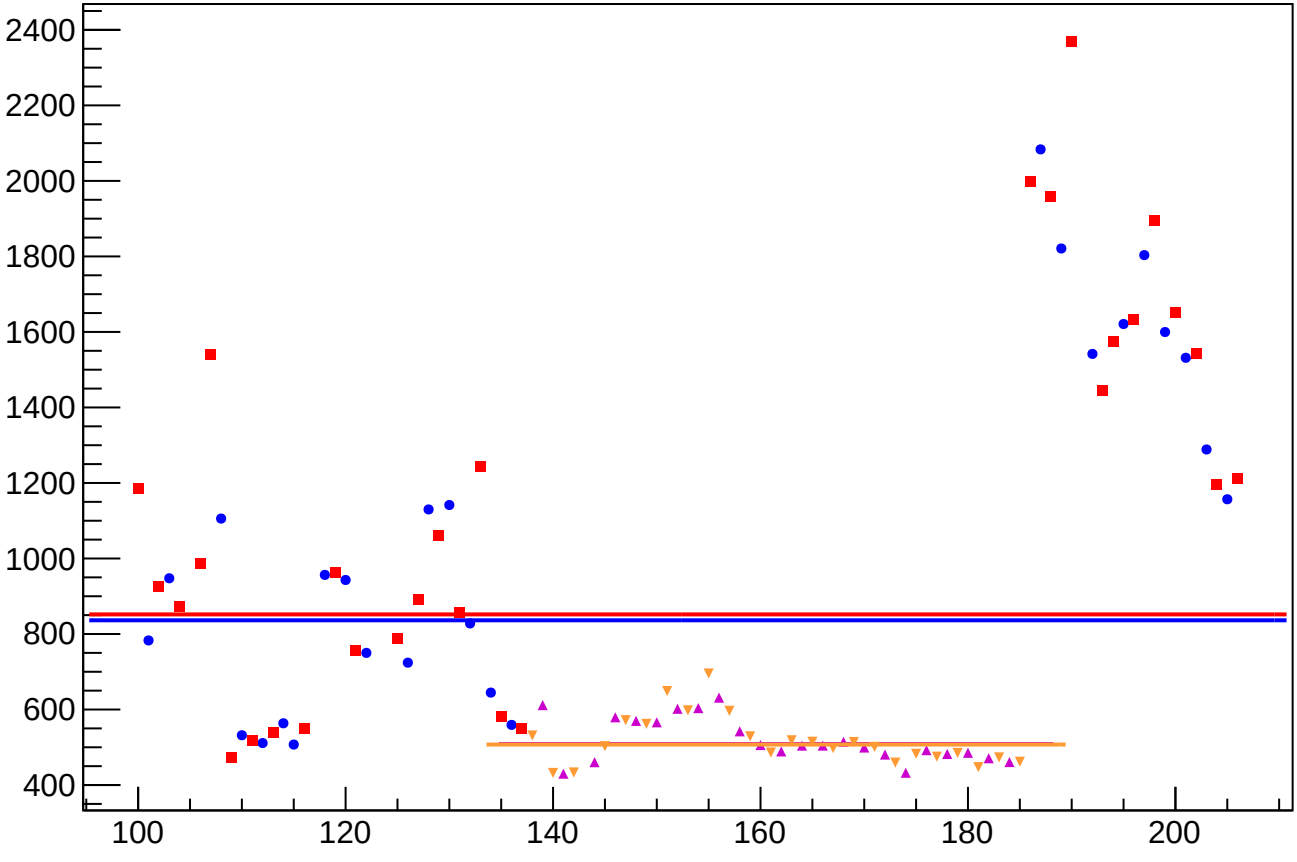
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -473.774+/-106.784 χ^2/NDF: 94.9/48

All: -336.220+/-75.507 χ^2/NDF: 145.5/100

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

asym_us_dd_dit_correction_rms vs Slug



Right In: 836.326+/-0.172 χ^2/NDF: 4404337.0/24

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

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

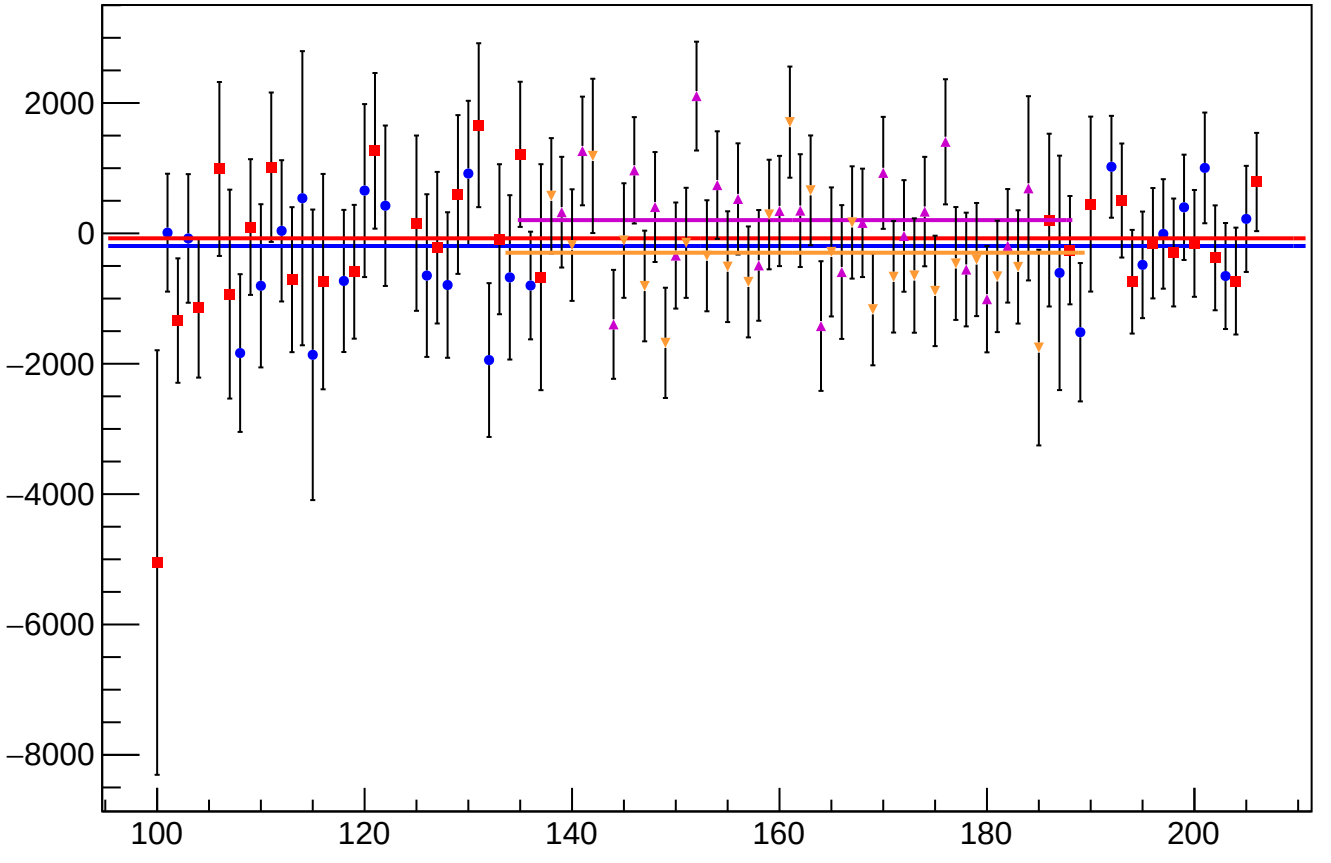
Left In: 508.638+/-0.085 χ^2/NDF:432447.1/22

+ sign 570.534+/-0.076 χ^2/NDF: 7825356.7/48

All: 574.580+/-0.053 χ^2/NDF: 17515840.8/10

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

eigen_dit_asym_us_dd_mean vs Slug



Right In: -193.826+/-205.654 χ^2/NDF: 15.4/24

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

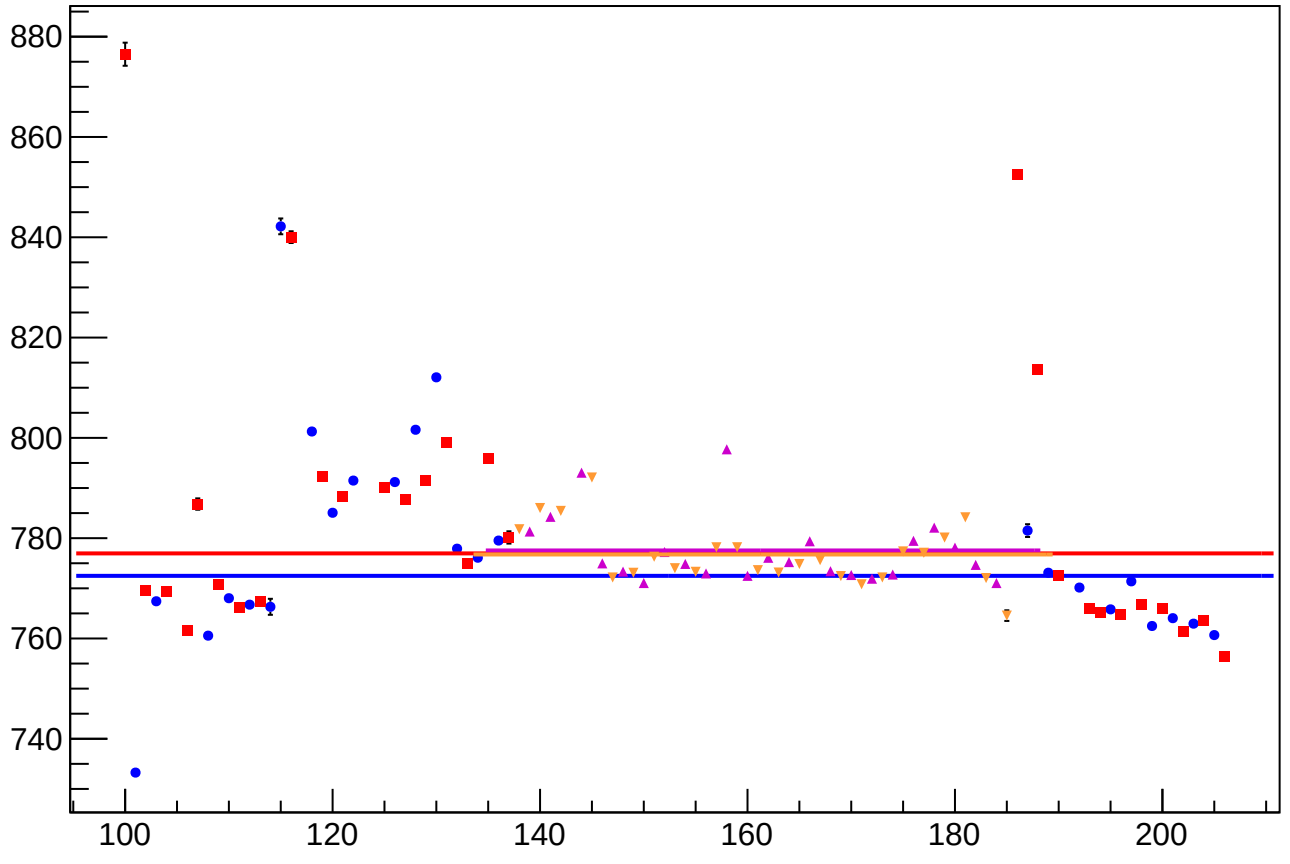
Right Out: -75.749+/-193.810 χ^2/NDF: 16.2/28

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

+ sign -252.038+/-135.566 χ^2/NDF: 32.2/48

All: -85.848+/-94.756 χ^2/NDF: 74.6/100

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



Right In: 772.489+/-0.145 χ^2/NDF: 14052.4/24

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

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

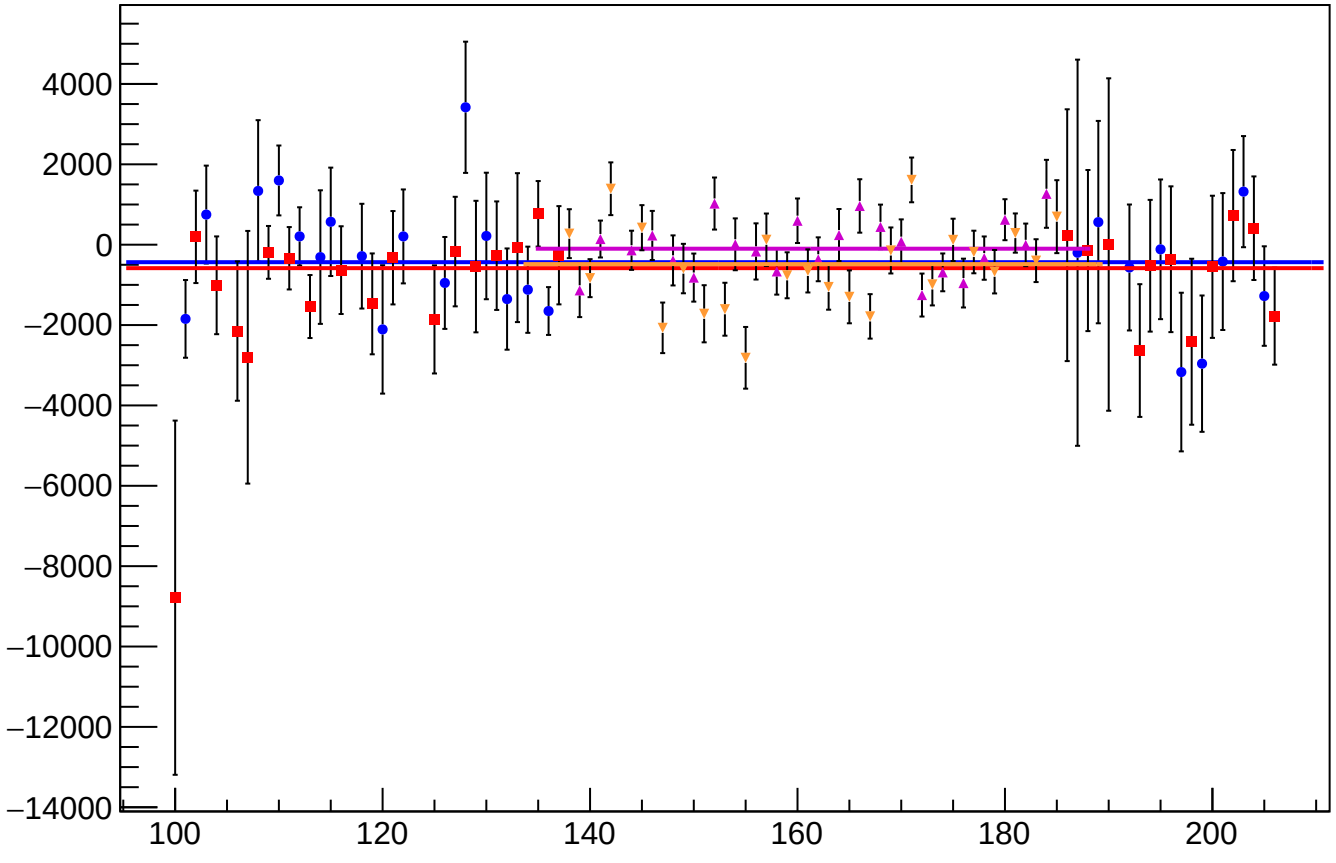
Left In: 777.550+/-0.128 χ^2/NDF:2750.7/22

+ sign 774.899+/-0.096 χ^2/NDF: 16364.3/48

All: 776.115+/-0.067 χ^2/NDF: 42690.5/100

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

asym_us_dd_eigen_dit_correction_mean vs Slug



Right In: -435.455+/-243.609 χ^2/NDF: 29.8/24

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

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

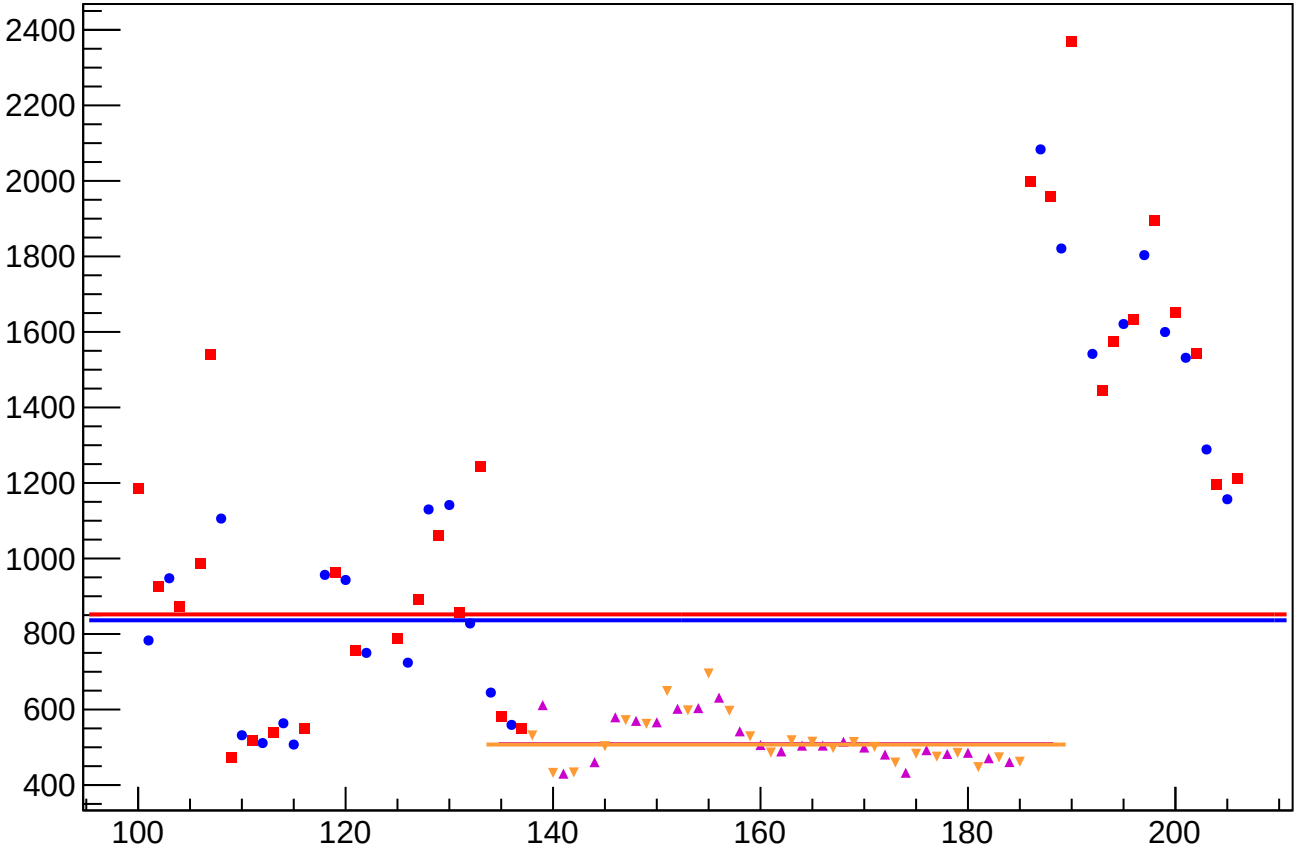
Left In: -99.985+/-119.677 χ^2/NDF:27.4/22

+ sign -473.773+/-106.784 χ^2/NDF: 94.9/48

All: -336.220+/-75.507 χ^2/NDF: 145.5/100

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

asym_us_dd_eigen_dit_correction_rms vs Slug



Right In: 836.322+/-0.172 χ^2/NDF: 4404387.4/24

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

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

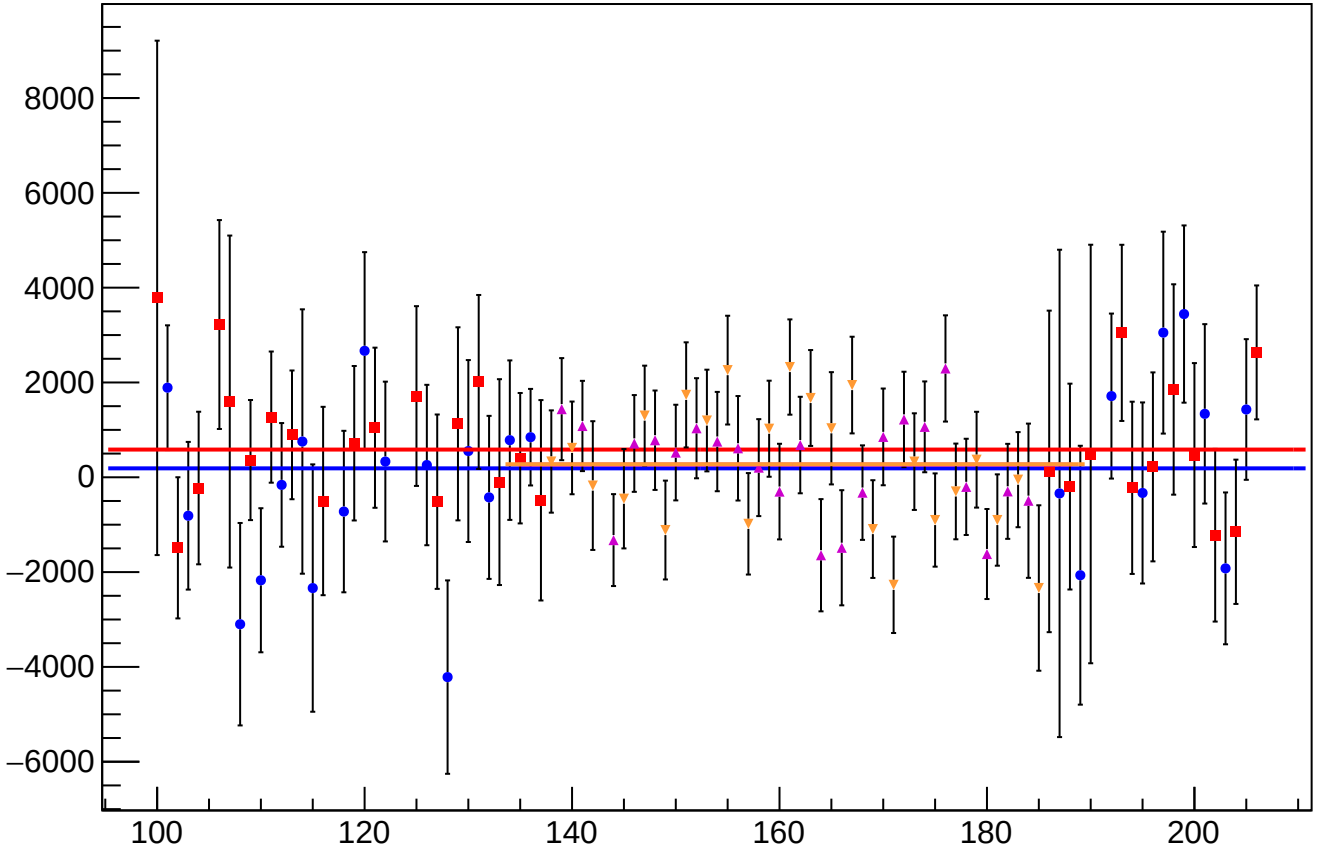
Left In: 508.638+/-0.085 χ^2/NDF:432461.7/22

+ sign 570.534+/-0.076 χ^2/NDF: 7825361.5/48

All: 574.580+/-0.053 χ^2/NDF: 17515868.3/10

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

asym_us_dd_mean vs Slug



Right In: 188.394+/-345.929 χ^2/NDF: 24.2/24

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

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

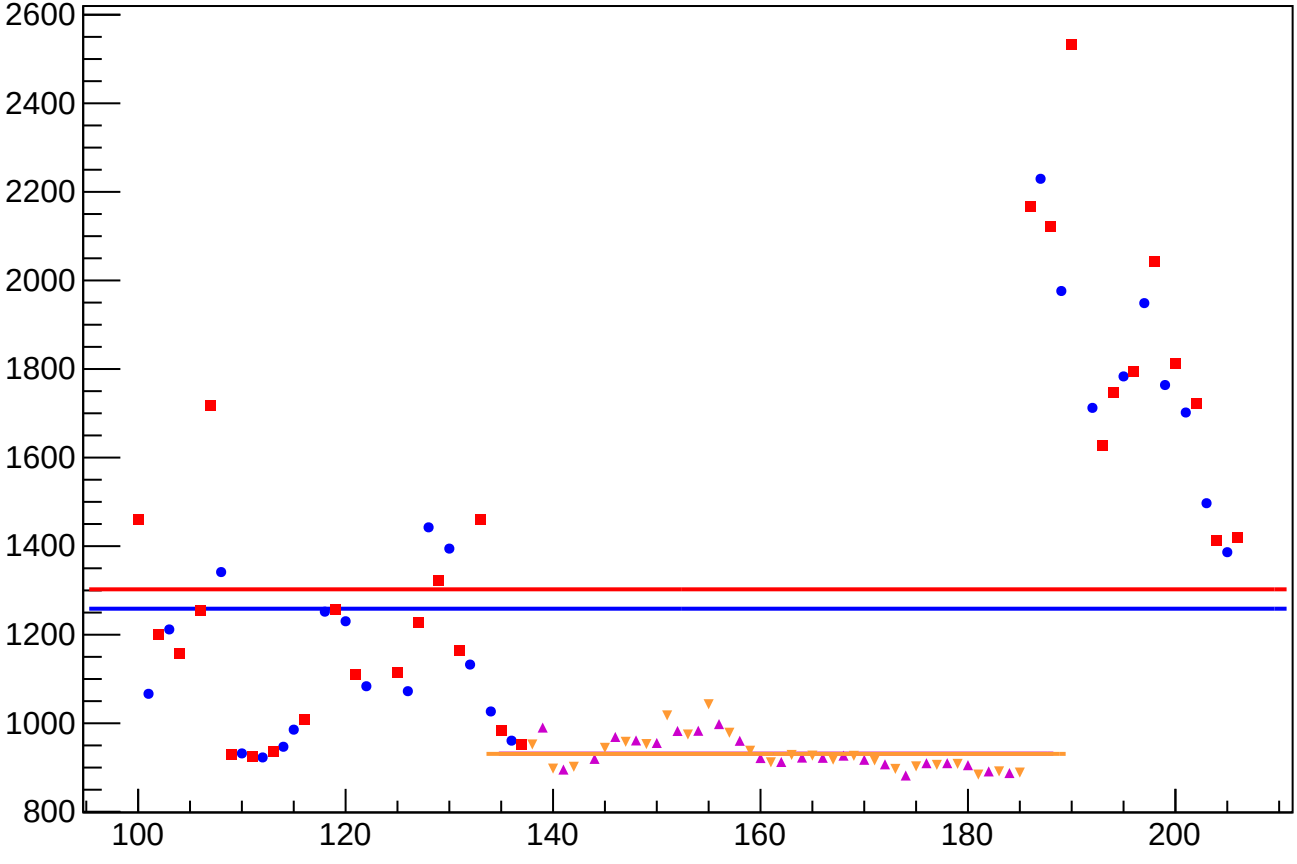
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 250.789+/-183.393 χ^2/NDF: 57.9/48

All: 305.817+/-129.492 χ^2/NDF: 93.4/100

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

asym_us_dd_rms vs Slug



Right In: 1258.737+/-0.245 χ^2/NDF: 1632775.8/24

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

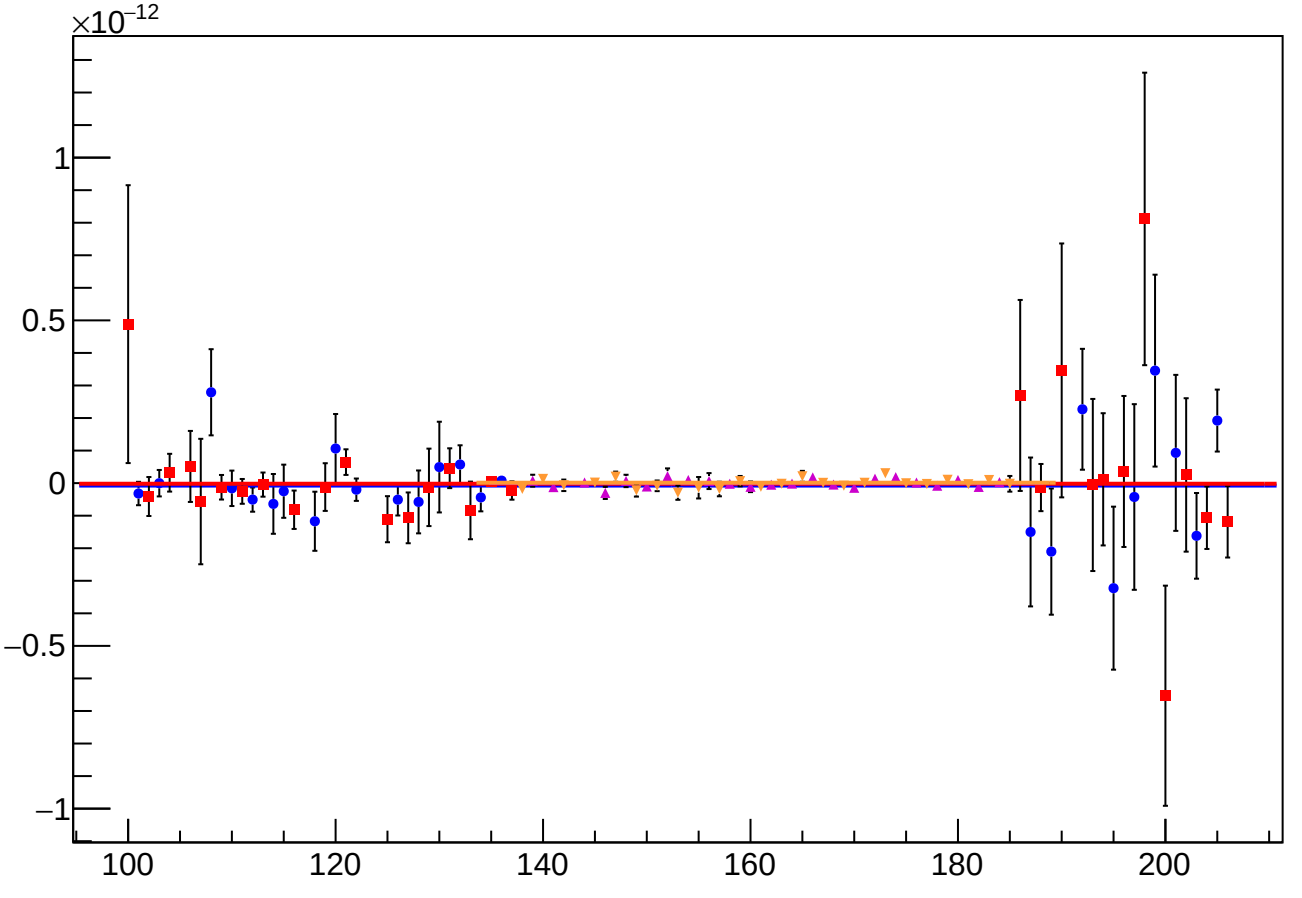
Right Out: 1302.499+/-0.238 χ^2/NDF: 2167962.8/28

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

+ sign 1023.057+/-0.130 χ^2/NDF: 2985978.6/48

All: 1031.923+/-0.092 χ^2/NDF: 6921401.9/10

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



Right In: -0.000+/-0.000 χ^2/NDF: 25.9/24

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

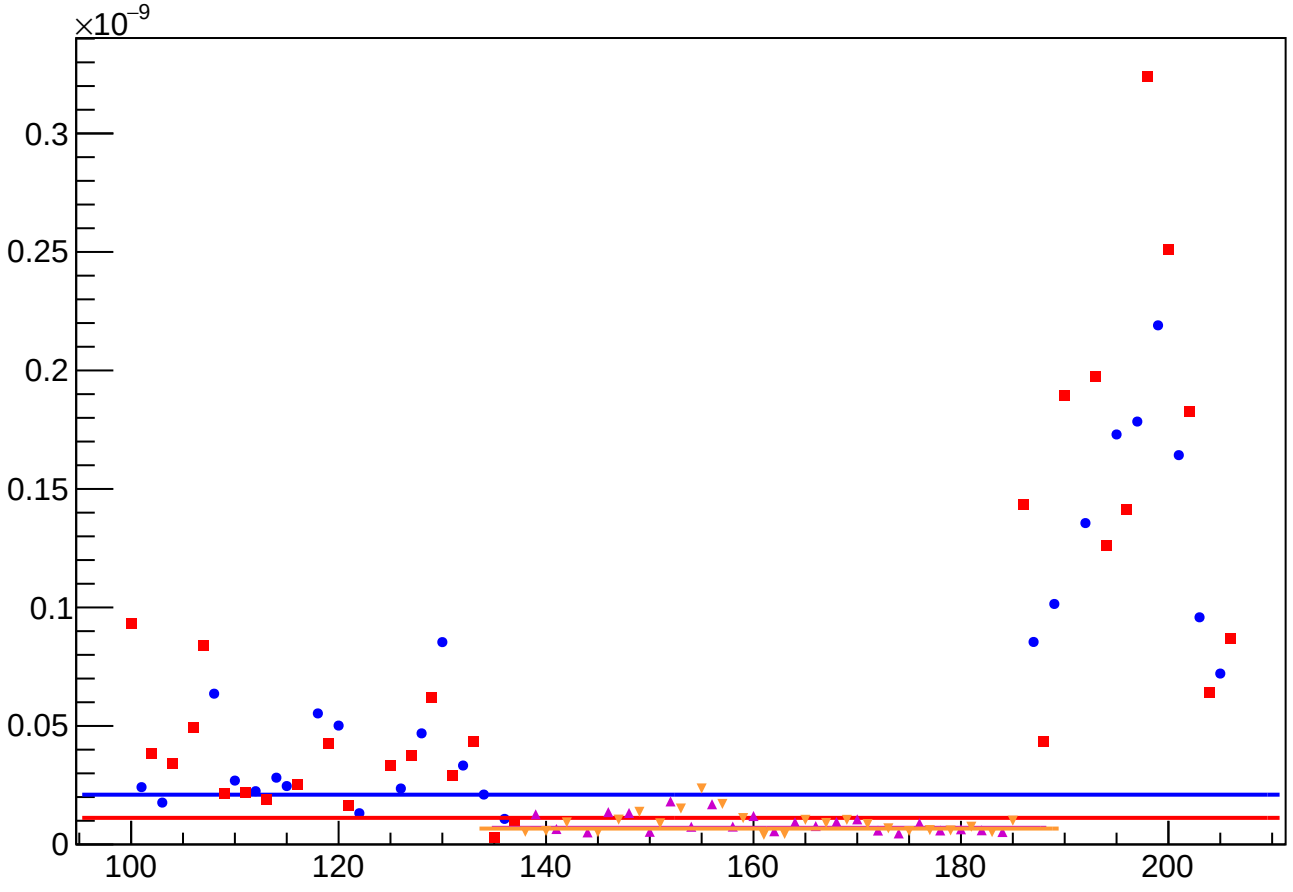
Right Out: -0.000+/-0.000 χ^2/NDF: 25.3/28

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

+ sign 0.000+/-0.000 χ^2/NDF: 52.3/48

All: 0.000+/-0.000 χ^2/NDF: 99.9/100

- sign 0.000+/-0.000 χ^2/NDF: 47.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 7834454.0/24

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

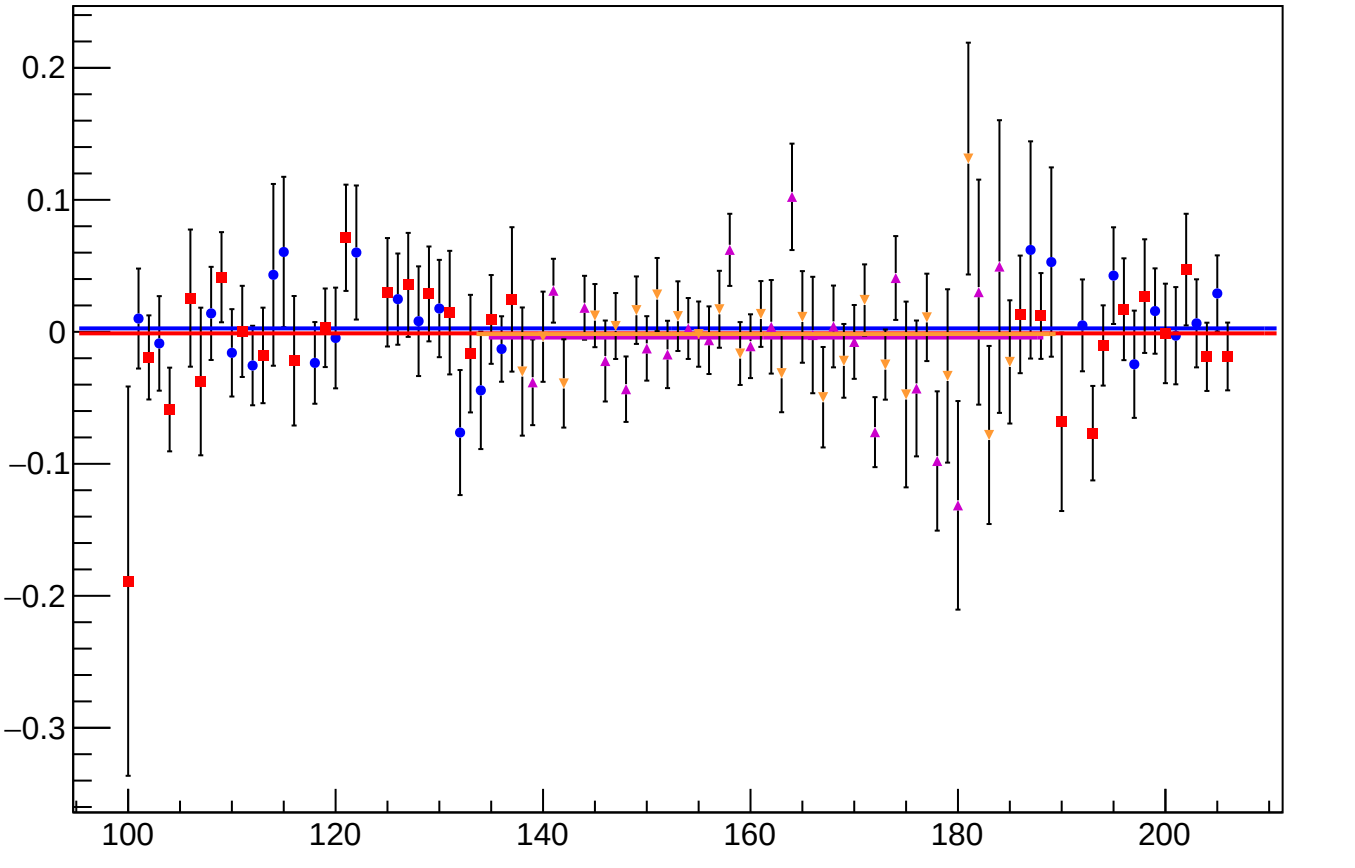
Right Out: 0.000+/-0.000 χ^2/NDF: 13342783.4/28

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

+ sign 0.000+/-0.000 χ^2/NDF: 14592085.3/48

All: 0.000+/-0.000 χ^2/NDF: 30994198.6/100

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



Right In: 0.003+/-0.007 χ^2/NDF: 13.4/24

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

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

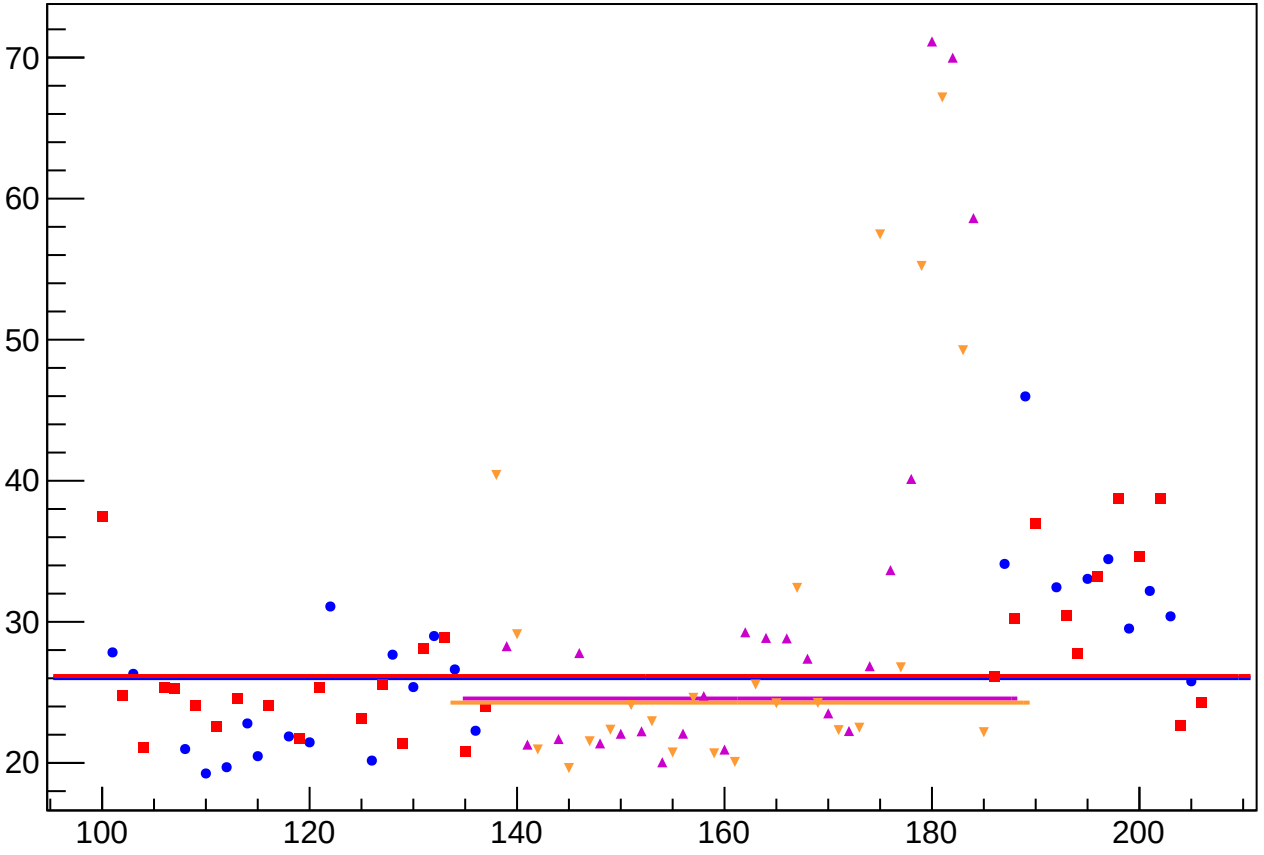
Left In: -0.004+/-0.006 χ^2/NDF:36.5/22

+ sign 0.000+/-0.005 χ^2/NDF: 28.2/48

All: -0.001+/-0.003 χ^2/NDF: 87.6/100

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

asym_us_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.011+/-0.005 χ^2/NDF: 956008.1/24

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

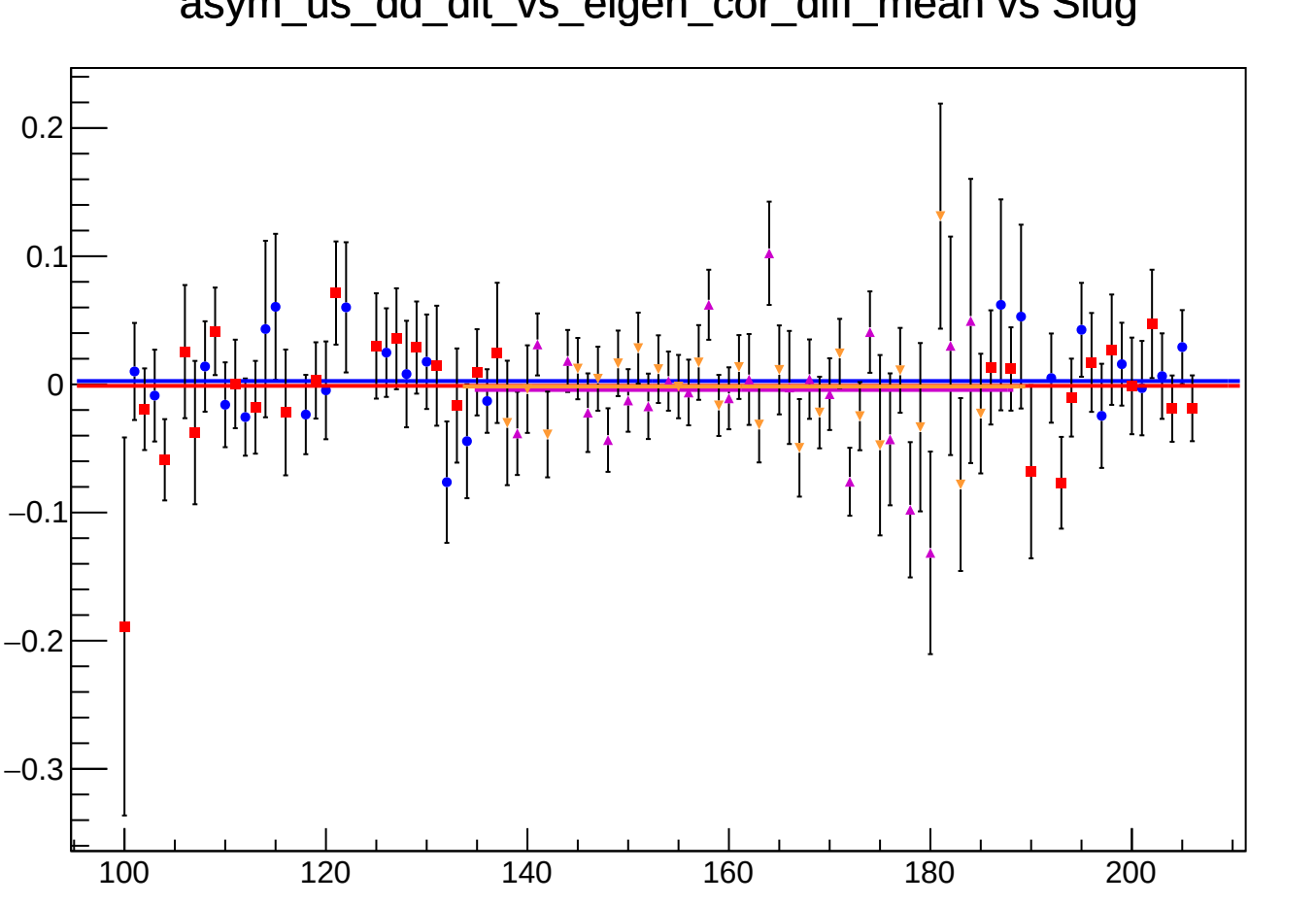
Right Out: 26.160+/-0.005 χ^2/NDF: 941946.3/28

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

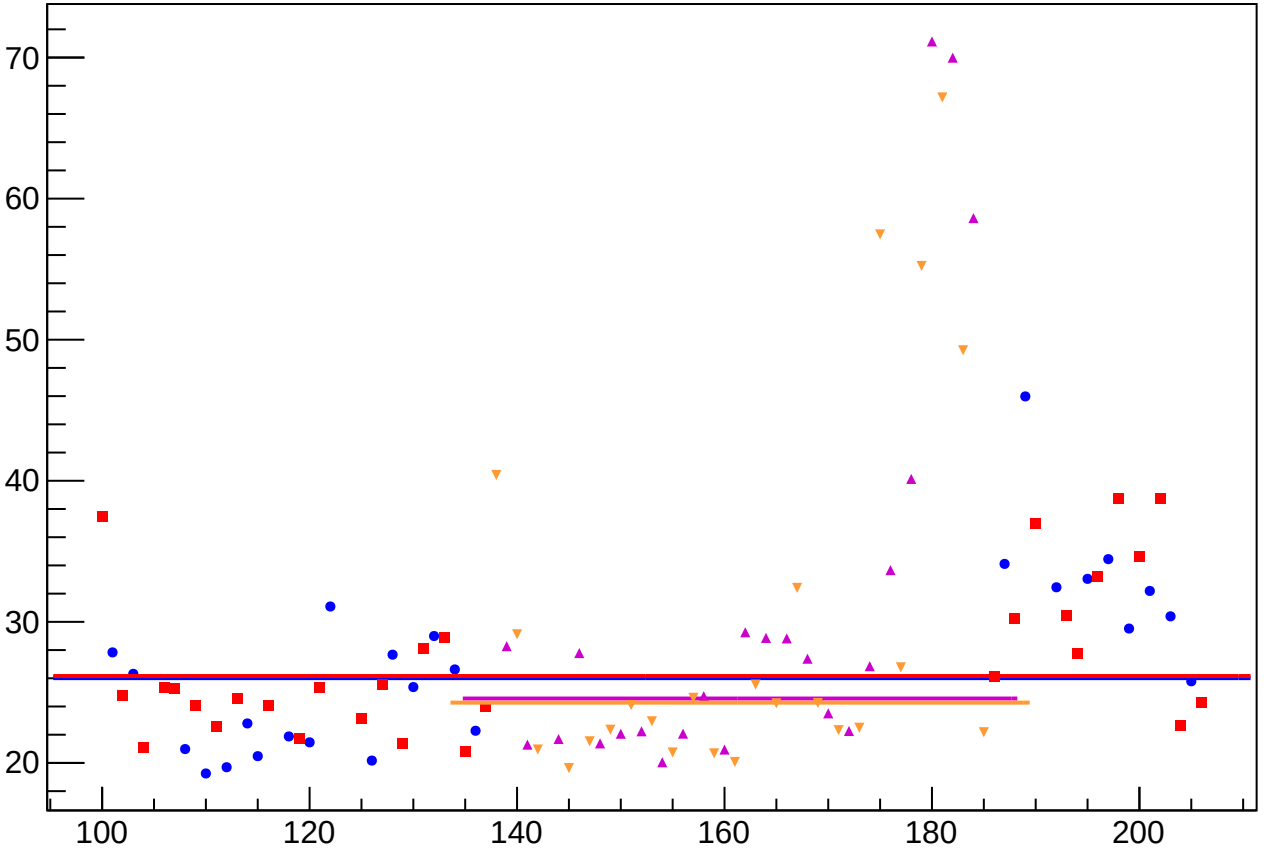
+ sign 25.003+/-0.003 χ^2/NDF: 3329592.2/48

All: 25.151+/-0.002 χ^2/NDF: 6464999.7/100

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


asym_us_dd_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
Right In: 0.003+/-0.007 χ²/NDF: 13.4/24
Left Out: -0.002+/-0.006 χ²/NDF:14.6/23
Right Out: -0.001+/-0.007 χ²/NDF: 22.5/28
Left In: -0.004+/-0.006 χ²/NDF:36.5/22
+ sign 0.000+/-0.005 χ²/NDF: 28.2/48
All: -0.001+/-0.003 χ²/NDF: 87.6/100
- sign -0.003+/-0.005 χ²/NDF: 59.2/51

asym_us_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.011+/-0.005 χ^2/NDF: 956008.1/24

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

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

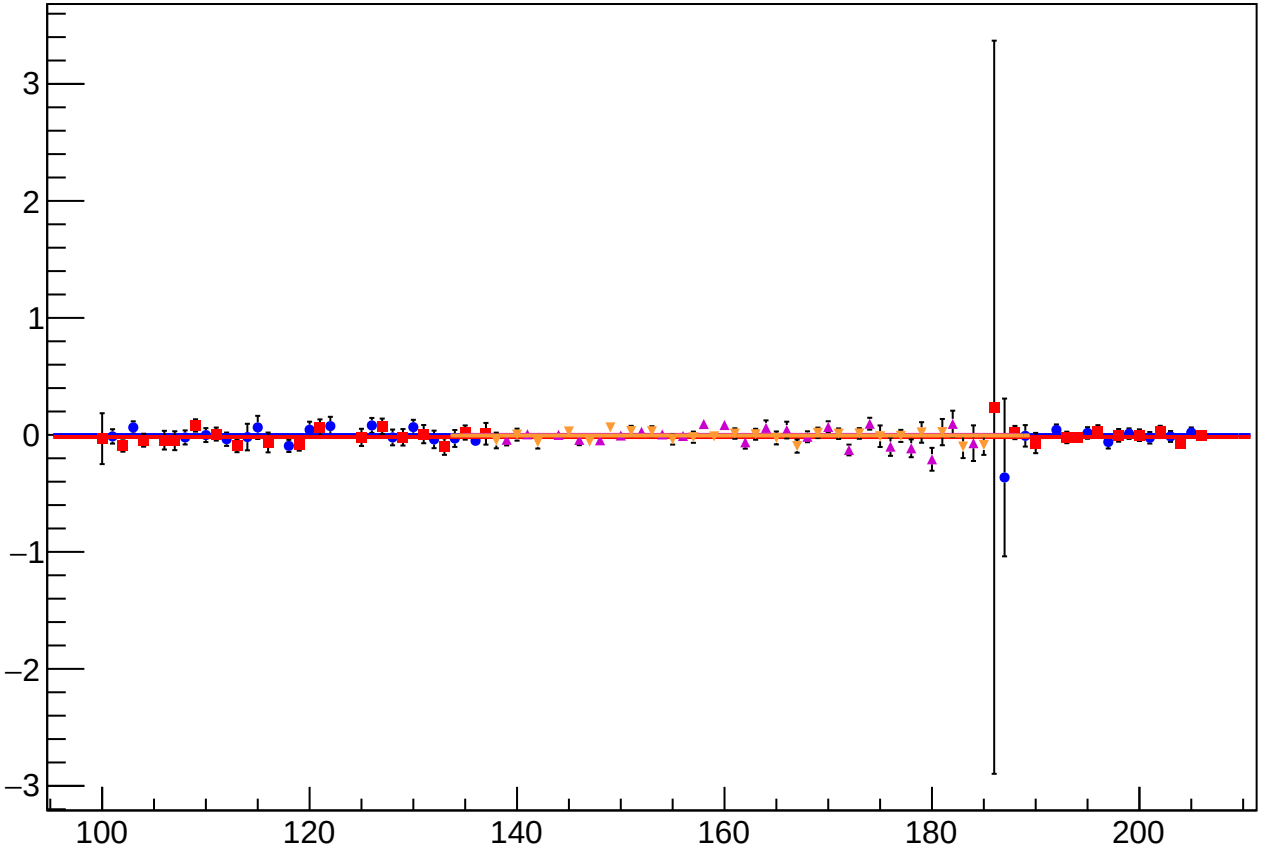
Left In: 24.565+/-0.005 χ^2/NDF:2132914.4/22

+ sign 25.003+/-0.003 χ^2/NDF: 3329592.2/48

All: 25.151+/-0.002 χ^2/NDF: 6464999.7/100

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

asym_us_dd_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.001+/-0.012 χ^2/NDF: 14.7/24

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

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

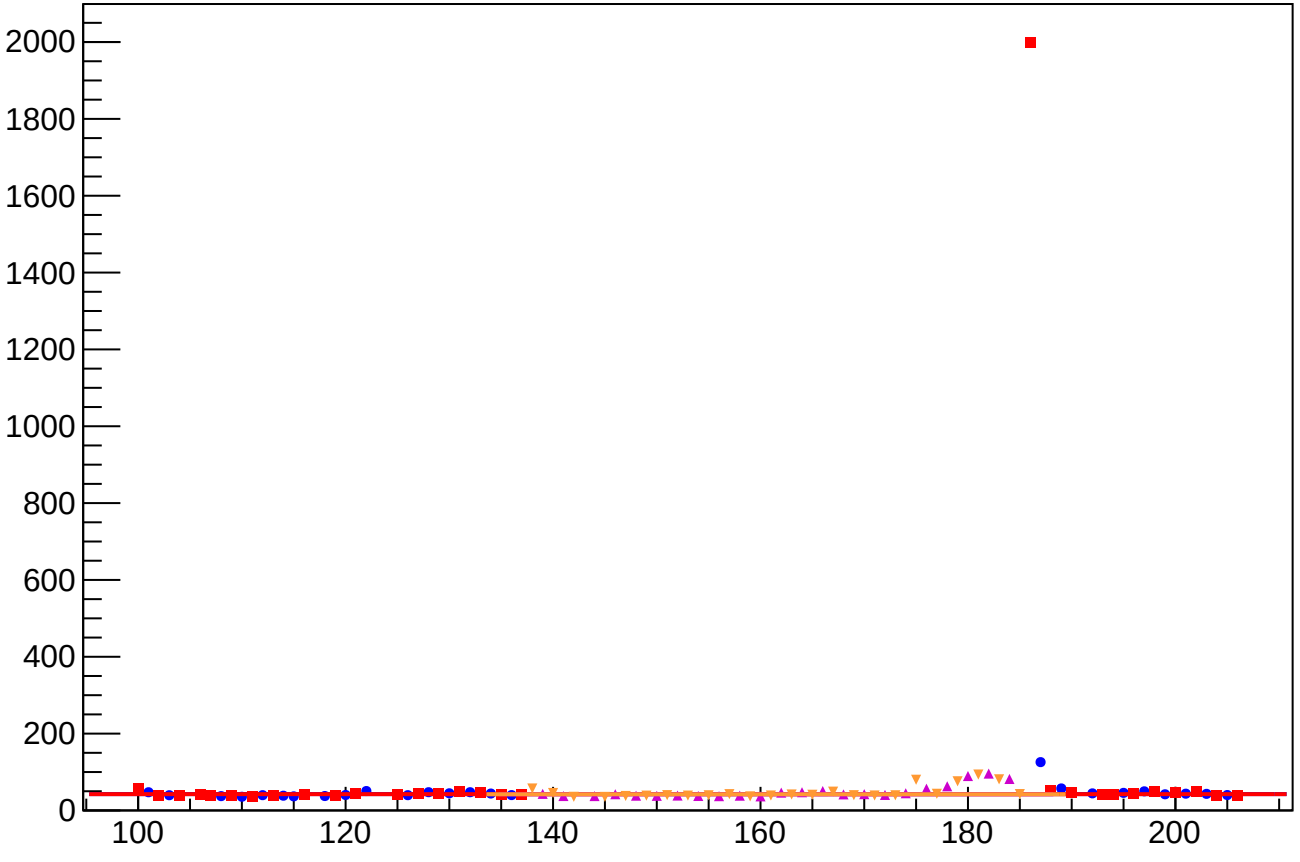
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.003+/-0.008 χ^2/NDF: 28.7/48

All: -0.006+/-0.005 χ^2/NDF: 88.3/100

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

asym_us_dd_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.609+/-0.008 χ^2/NDF: 284225.2/24

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

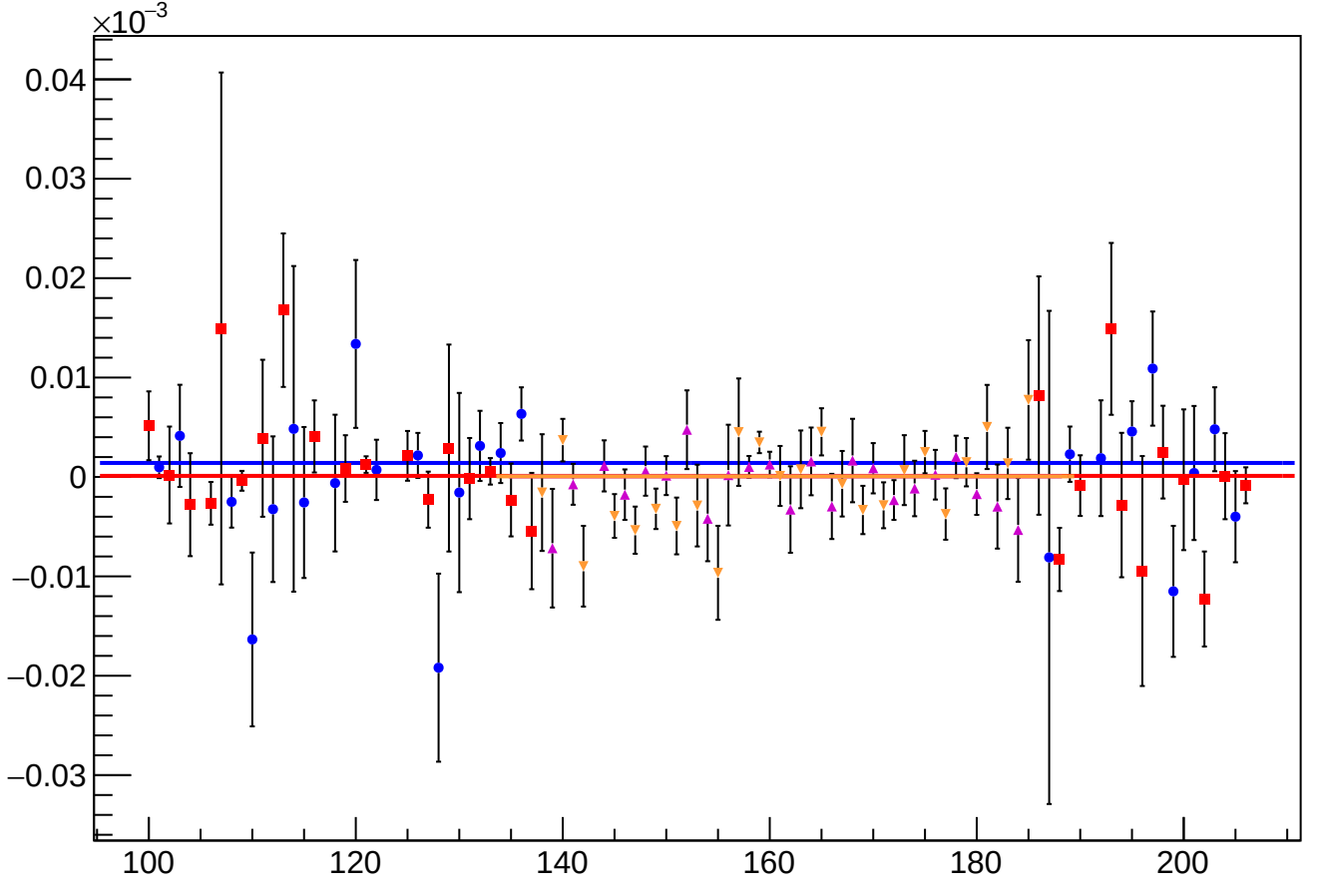
Right Out: 42.435+/-0.008 χ^2/NDF: 1059292.5/28

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

+ sign 42.317+/-0.006 χ^2/NDF: 2002474.4/48

All: 42.280+/-0.004 χ^2/NDF: 4606468.5/100

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



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/24

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

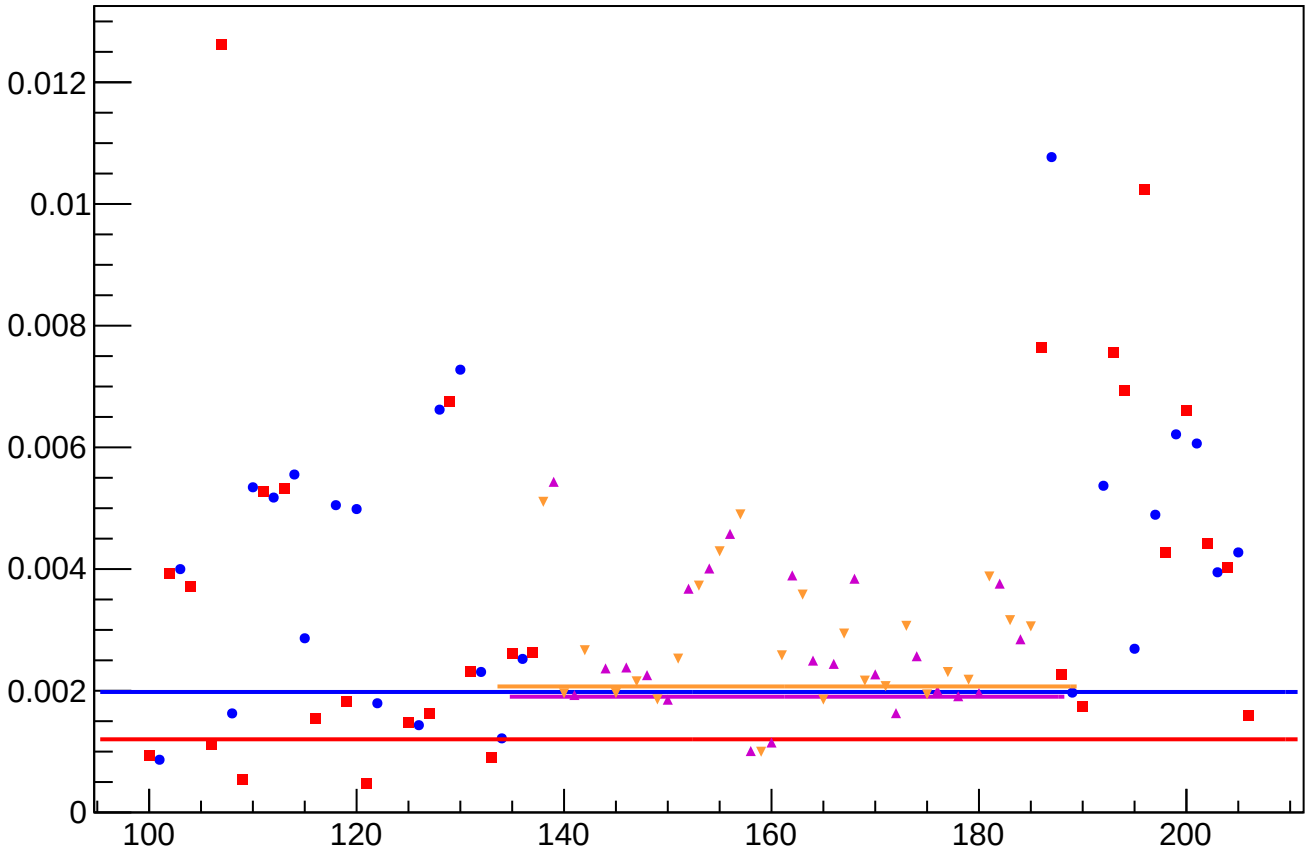
Right Out: 0.000+/-0.000 χ^2/NDF: 34.1/28

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

+ sign 0.000+/-0.000 χ^2/NDF: 82.5/48

All: 0.000+/-0.000 χ^2/NDF: 130.5/100

- sign 0.000+/-0.000 χ^2/NDF: 47.1/51



Right In: 0.002+/-0.000 χ^2/NDF: 9333019.9/24

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

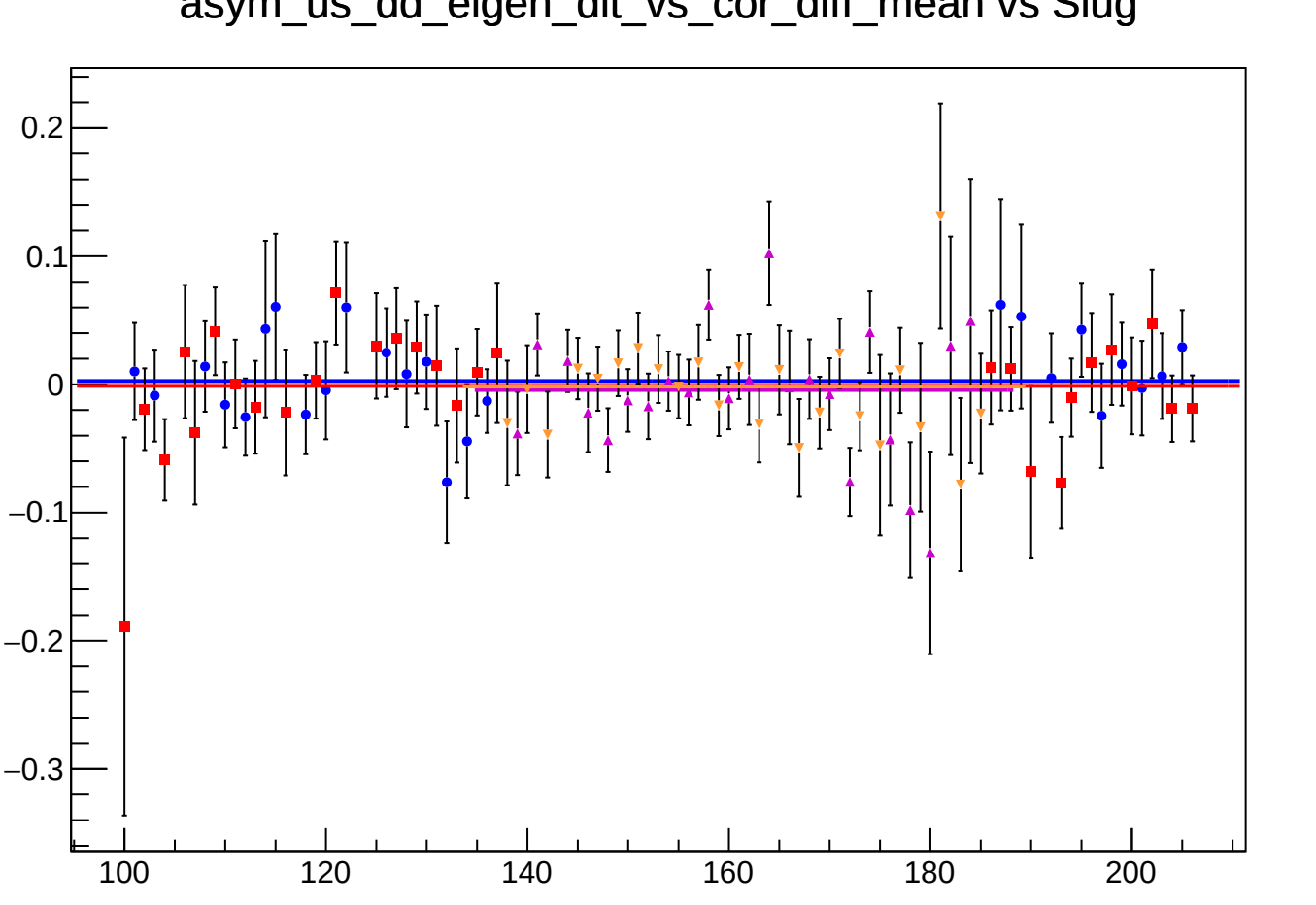
Right Out: 0.001+/-0.000 χ^2/NDF: 14700381.7/28

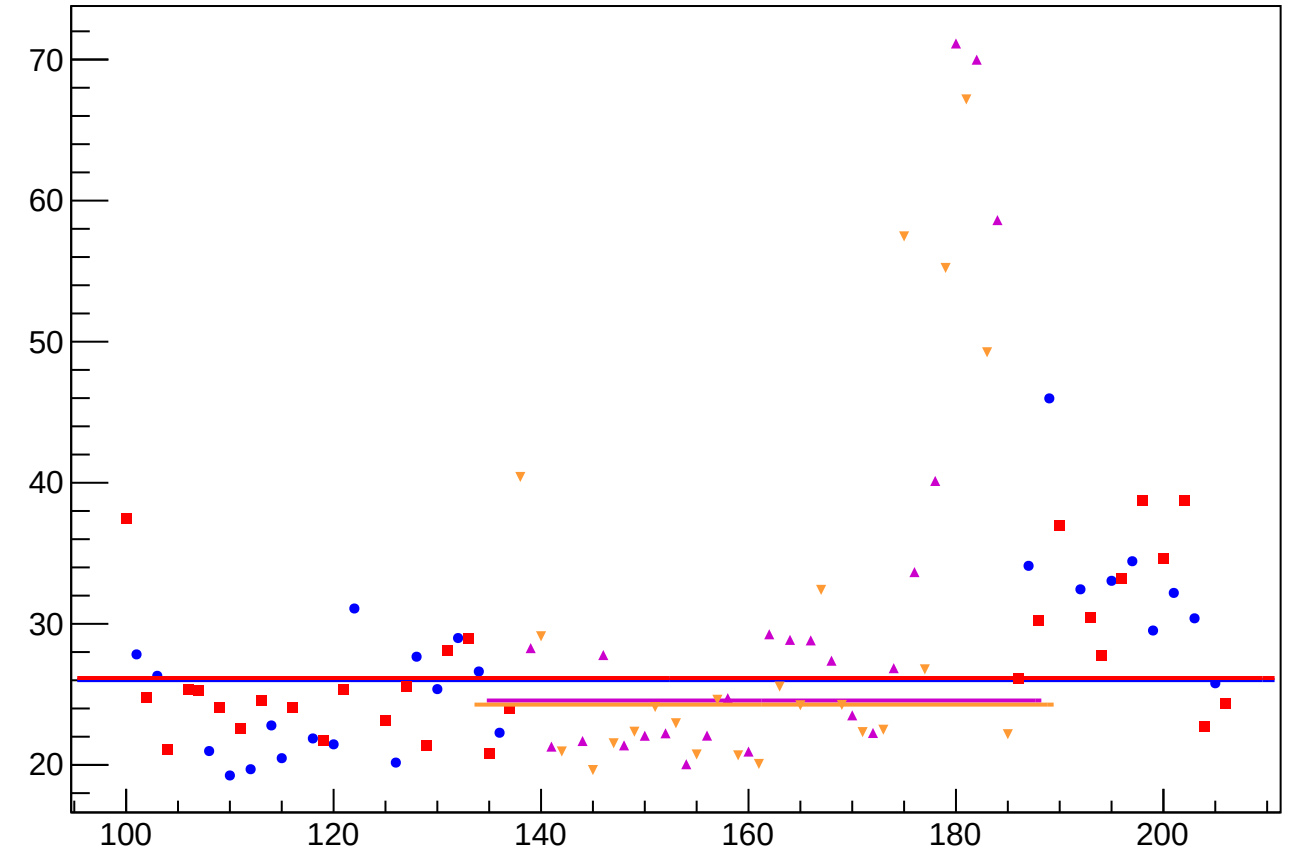
Left In: 0.002+/-0.000 χ^2/NDF:5935945.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 14618891.9/48

All: 0.002+/-0.000 χ^2/NDF: 39255606.8/100

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


asym_us_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
Right In: 0.003+/-0.007 χ²/NDF: 13.4/24
Left Out: -0.002+/-0.006 χ²/NDF:14.6/23
Right Out: -0.001+/-0.007 χ²/NDF: 22.5/28
Left In: -0.004+/-0.006 χ²/NDF:36.5/22
+ sign 0.000+/-0.005 χ²/NDF: 28.2/48
All: -0.001+/-0.003 χ²/NDF: 87.6/100
- sign -0.003+/-0.005 χ²/NDF: 59.2/51



Right In: 26.010+/-0.005 χ^2/NDF: 956007.4/24

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

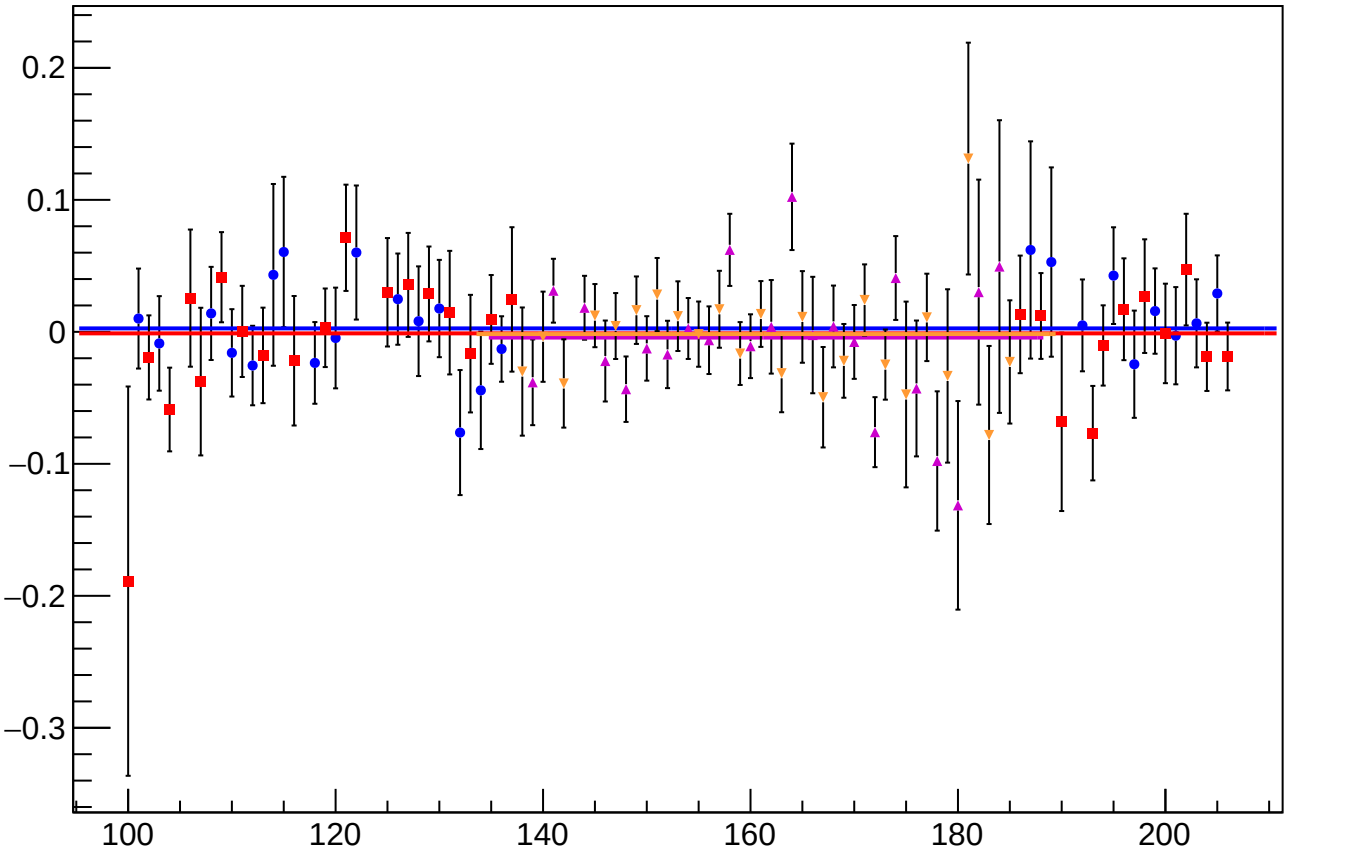
Right Out: 26.160+/-0.005 χ^2/NDF: 941849.5/28

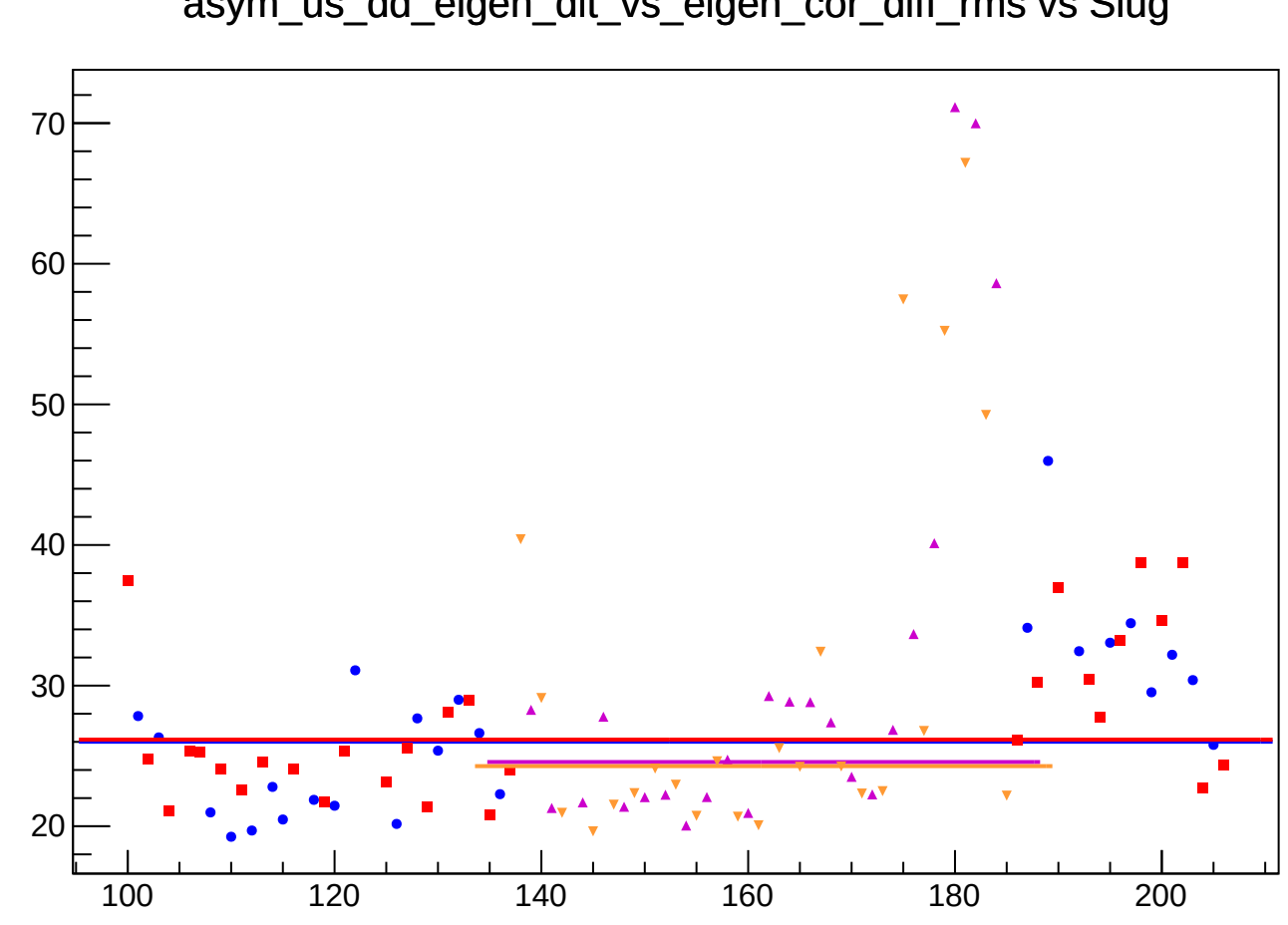
Left In: 24.565+/-0.005 χ^2/NDF:2132779.0/22

+ sign 25.003+/-0.003 χ^2/NDF: 3329556.5/48

All: 25.151+/-0.002 χ^2/NDF: 6464746.4/100

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


asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
−0.3
100
120
140
160
180
200
Right In: 0.003+/-0.007 χ²/NDF: 13.4/24
Left Out: -0.002+/-0.006 χ²/NDF:14.6/23
Right Out: -0.001+/-0.007 χ²/NDF: 22.5/28
Left In: -0.004+/-0.006 χ²/NDF:36.5/22
+ sign 0.000+/-0.005 χ²/NDF: 28.2/48
All: -0.001+/-0.003 χ²/NDF: 87.6/100
- sign -0.003+/-0.005 χ²/NDF: 59.2/51



Right In: 26.010+/-0.005 χ^2/NDF: 956007.4/24

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

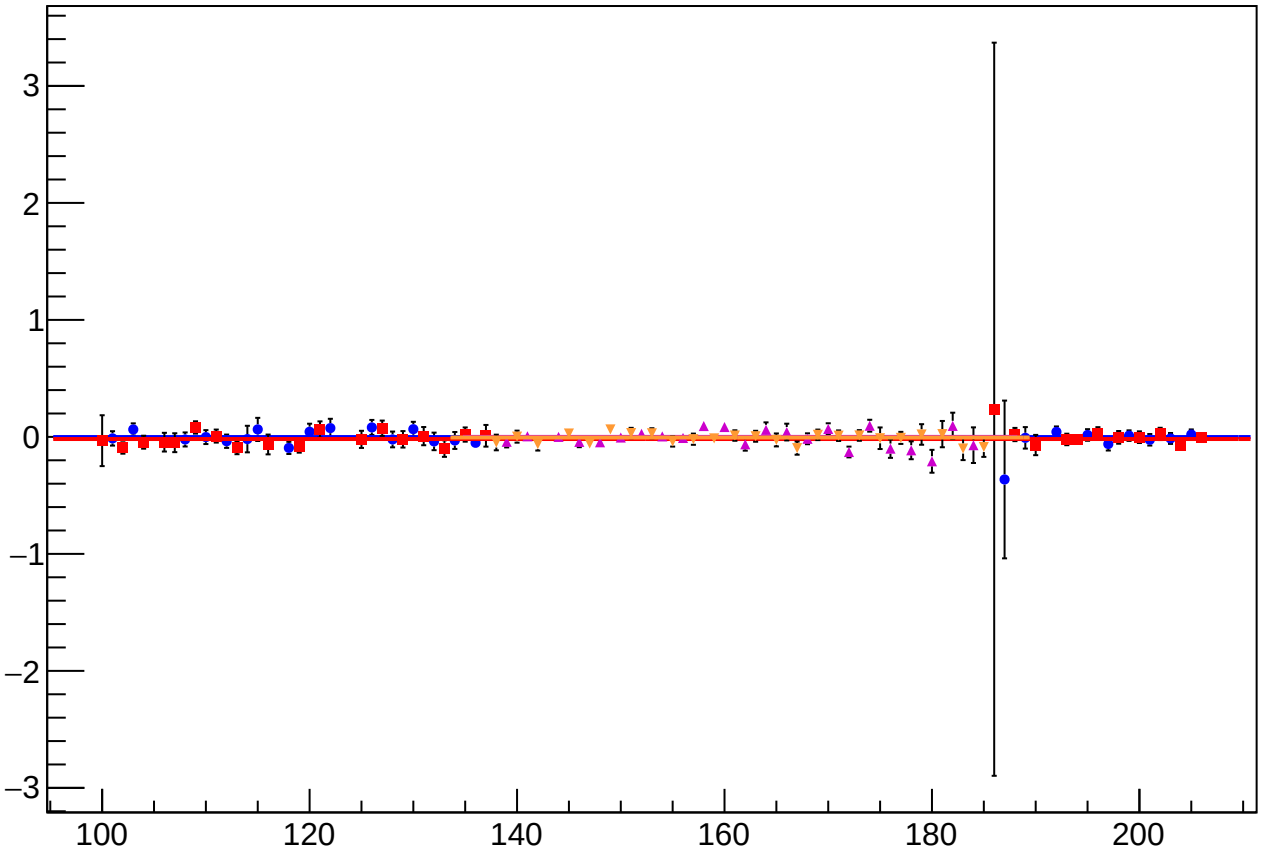
Right Out: 26.160+/-0.005 χ^2/NDF: 941849.5/28

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

+ sign 25.003+/-0.003 χ^2/NDF: 3329556.5/48

All: 25.151+/-0.002 χ^2/NDF: 6464746.4/100

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



Right In: -0.001+/-0.012 χ^2/NDF: 14.7/24

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

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

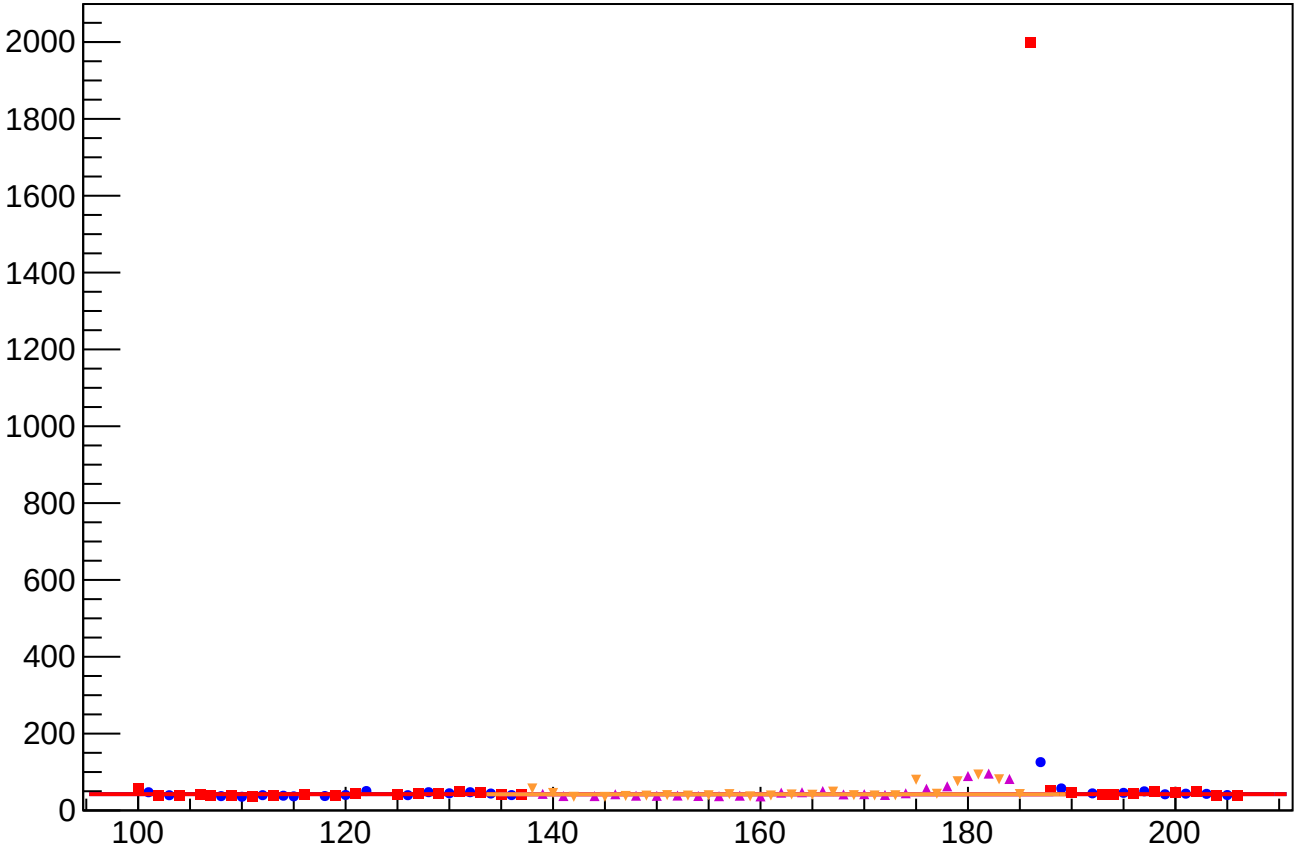
Left In: -0.000+/-0.010 χ^2/NDF:37.9/22

+ sign -0.003+/-0.008 χ^2/NDF: 28.7/48

All: -0.006+/-0.005 χ^2/NDF: 88.3/100

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

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 42.609+/-0.008 χ^2/NDF: 284187.0/24

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

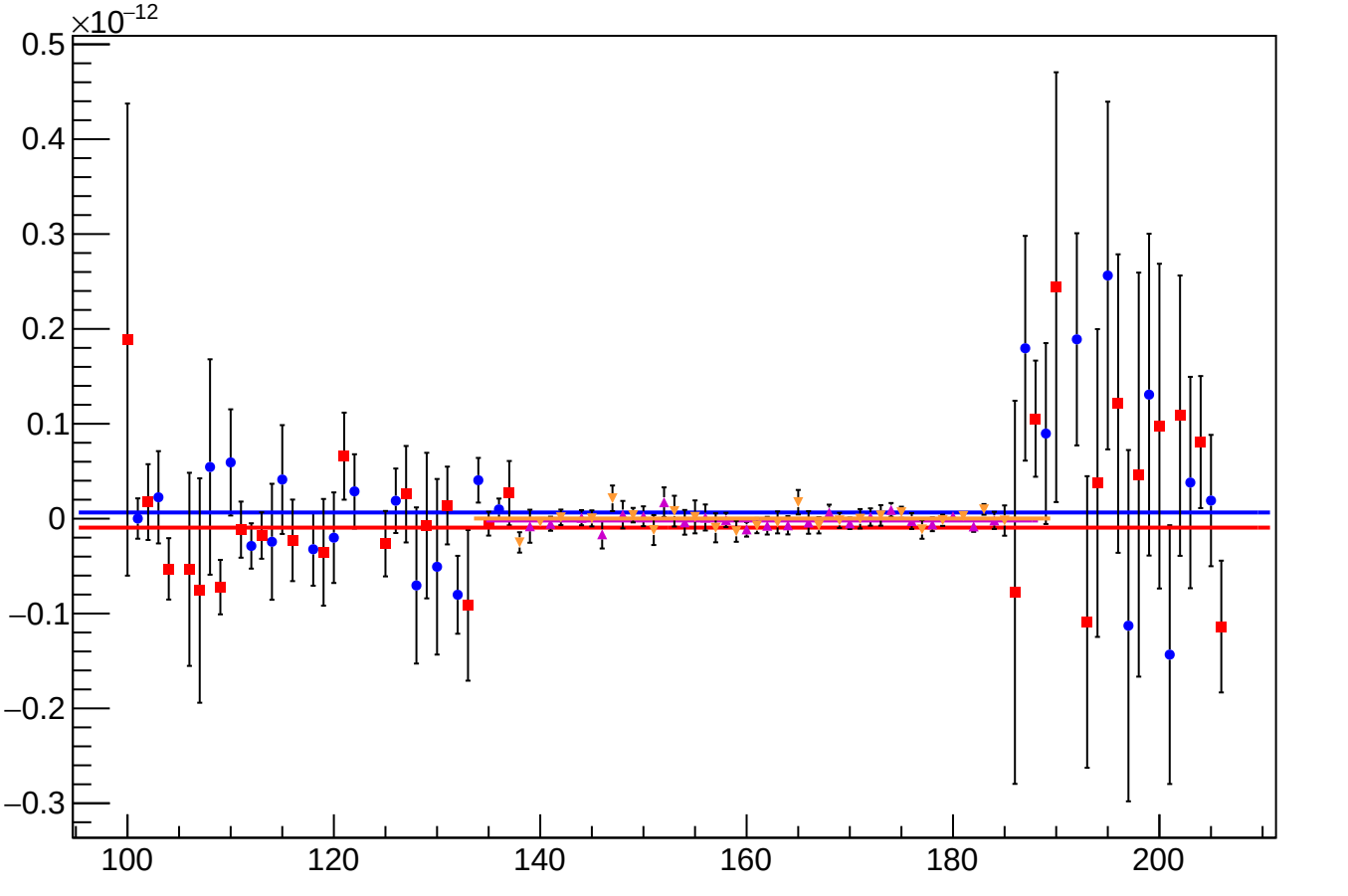
Right Out: 42.435+/-0.008 χ^2/NDF: 1059279.5/28

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

+ sign 42.317+/-0.006 χ^2/NDF: 2002425.2/48

All: 42.280+/-0.004 χ^2/NDF: 4606381.1/100

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



Right In: 0.000+/-0.000 χ^2/NDF: 23.4/24

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

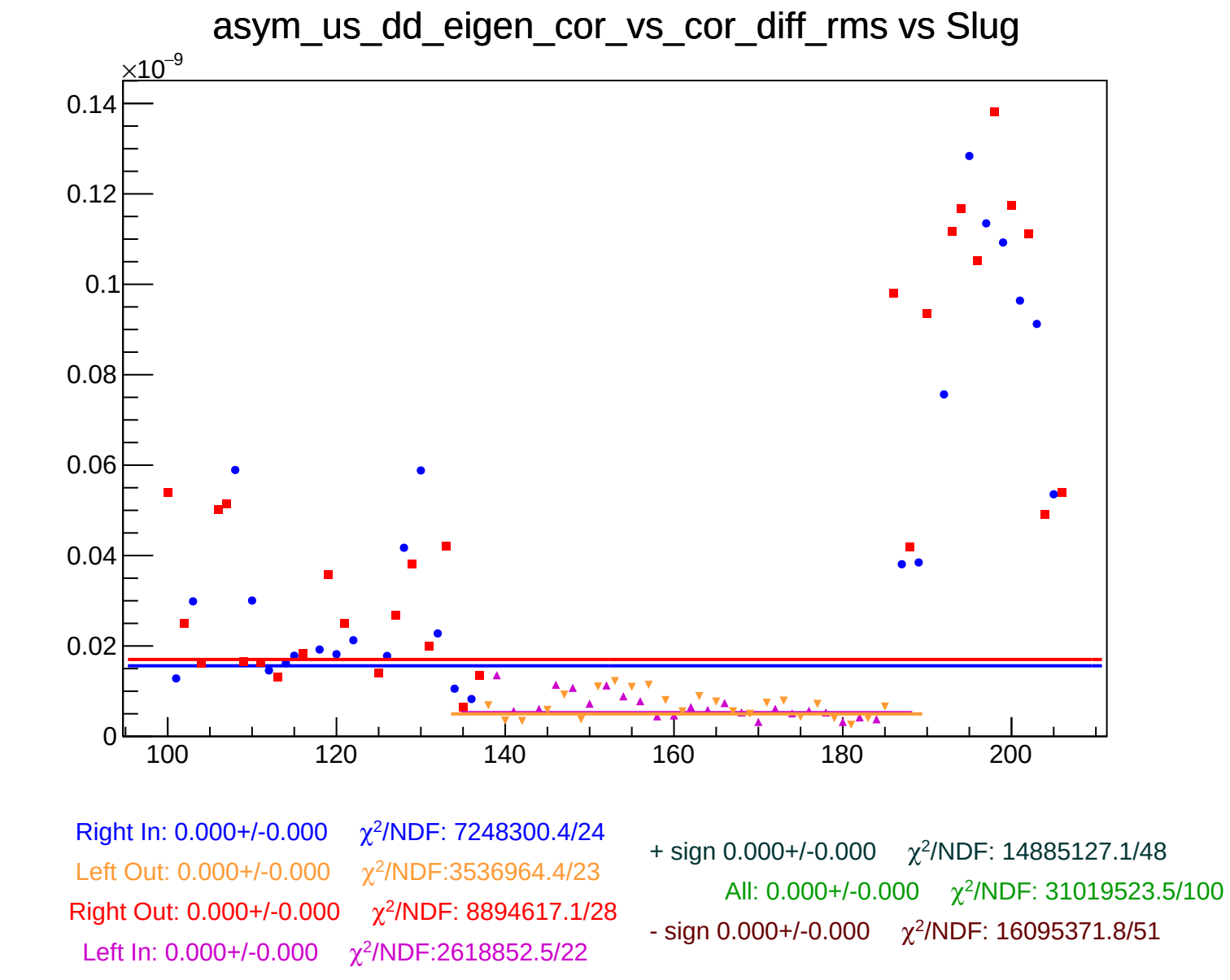
Right Out: -0.000+/-0.000 χ^2/NDF: 25.8/28

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

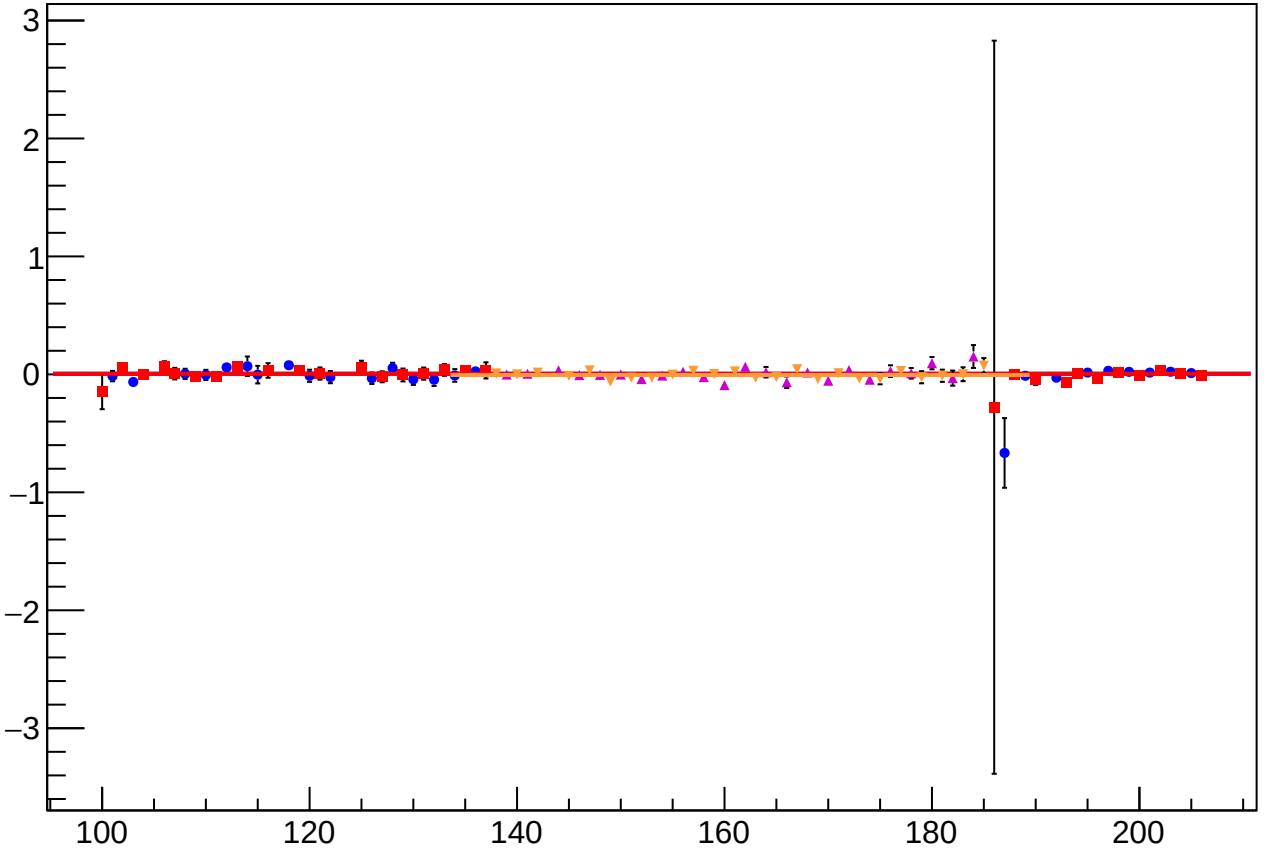
+ sign 0.000+/-0.000 χ^2/NDF: 45.3/48

All: -0.000+/-0.000 χ^2/NDF: 85.2/100

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


asym_us_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10^−9
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7248300.4/24
Left Out: 0.000+/-0.000 χ²/NDF:3536964.4/23
Right Out: 0.000+/-0.000 χ²/NDF: 8894617.1/28
Left In: 0.000+/-0.000 χ²/NDF:2618852.5/22
+ sign 0.000+/-0.000 χ²/NDF: 14885127.1/48
All: 0.000+/-0.000 χ²/NDF: 31019523.5/100
- sign 0.000+/-0.000 χ²/NDF: 16095371.8/51

asym_us_dd_overload_cor_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.008 χ^2/NDF: 24.1/24

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

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

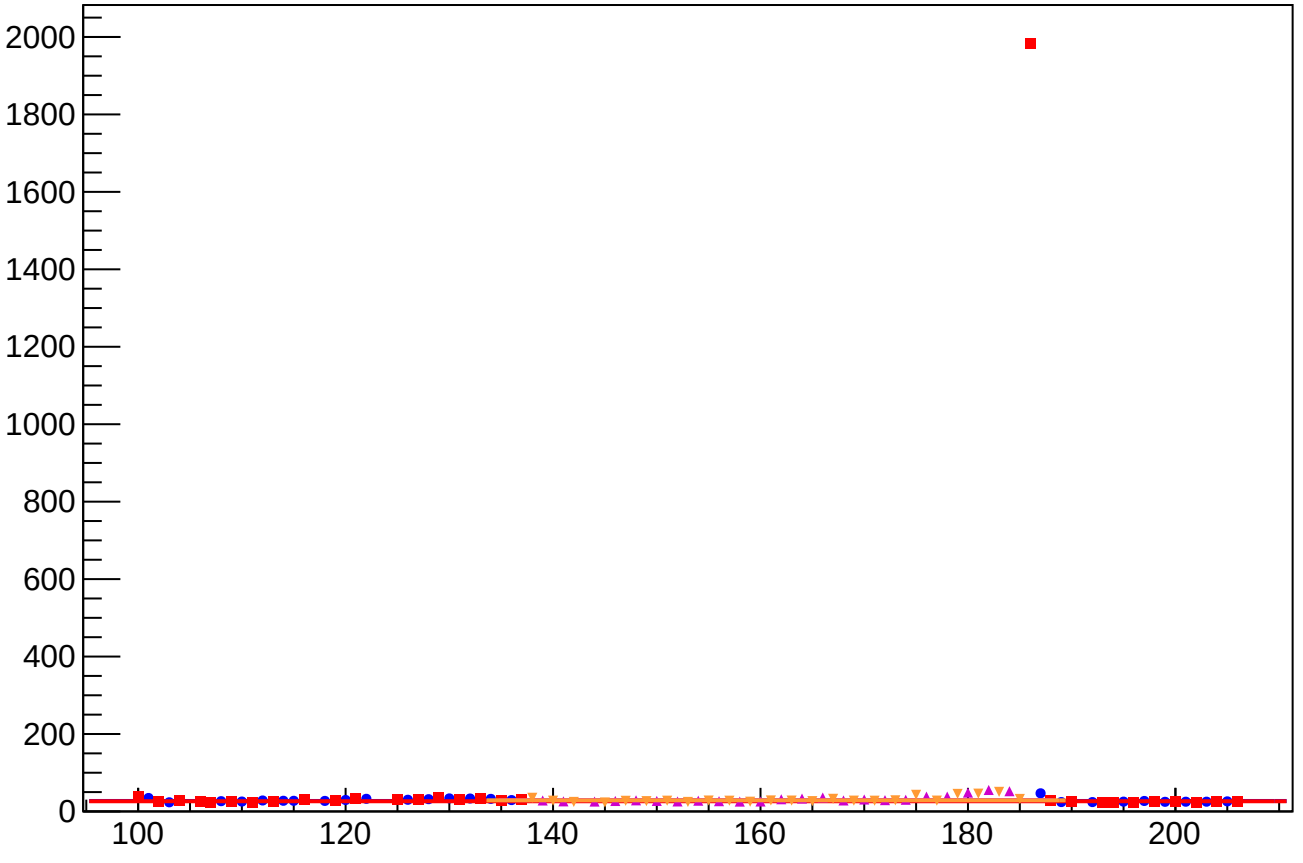
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.000+/-0.005 χ^2/NDF: 41.9/48

All: 0.000+/-0.004 χ^2/NDF: 96.7/100

- sign 0.001+/-0.005 χ^2/NDF: 54.8/51

asym_us_dd_overload_cor_vs_cor_diff_rms vs Slug



Right In: 27.049+/-0.005 χ^2/NDF: 329493.8/24

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

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

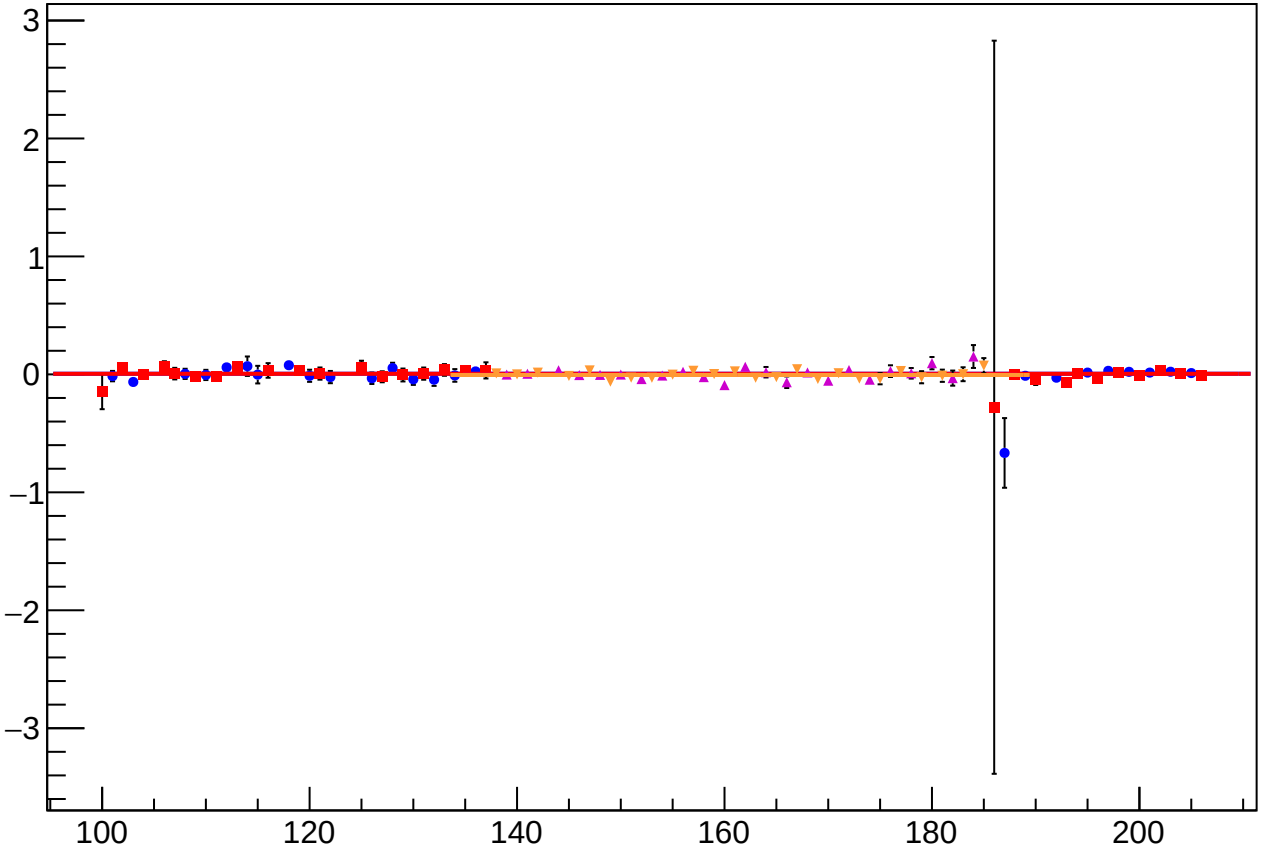
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

\+ sign 27.974+/-0.004 χ^2/NDF: 1556244.9/48

All: 27.871+/-0.003 χ^2/NDF: 3969552.3/100

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

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.008 χ^2/NDF: 24.1/24

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

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

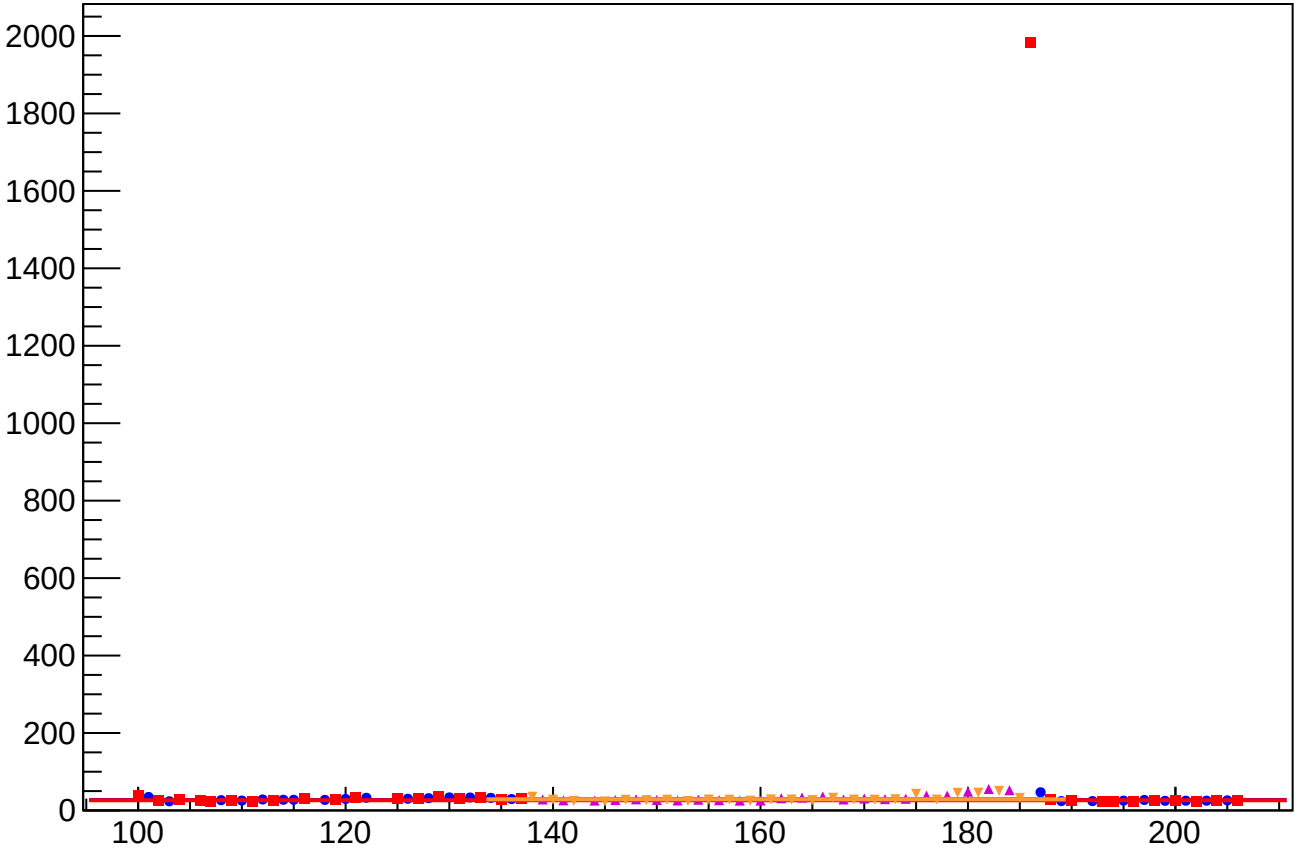
Left In: -0.004+/-0.007 χ^2/NDF:31.2/22

+ sign -0.000+/-0.005 χ^2/NDF: 41.9/48

All: 0.000+/-0.004 χ^2/NDF: 96.7/100

- sign 0.001+/-0.005 χ^2/NDF: 54.8/51

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 27.049+/-0.005 χ^2/NDF: 329493.8/24

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

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

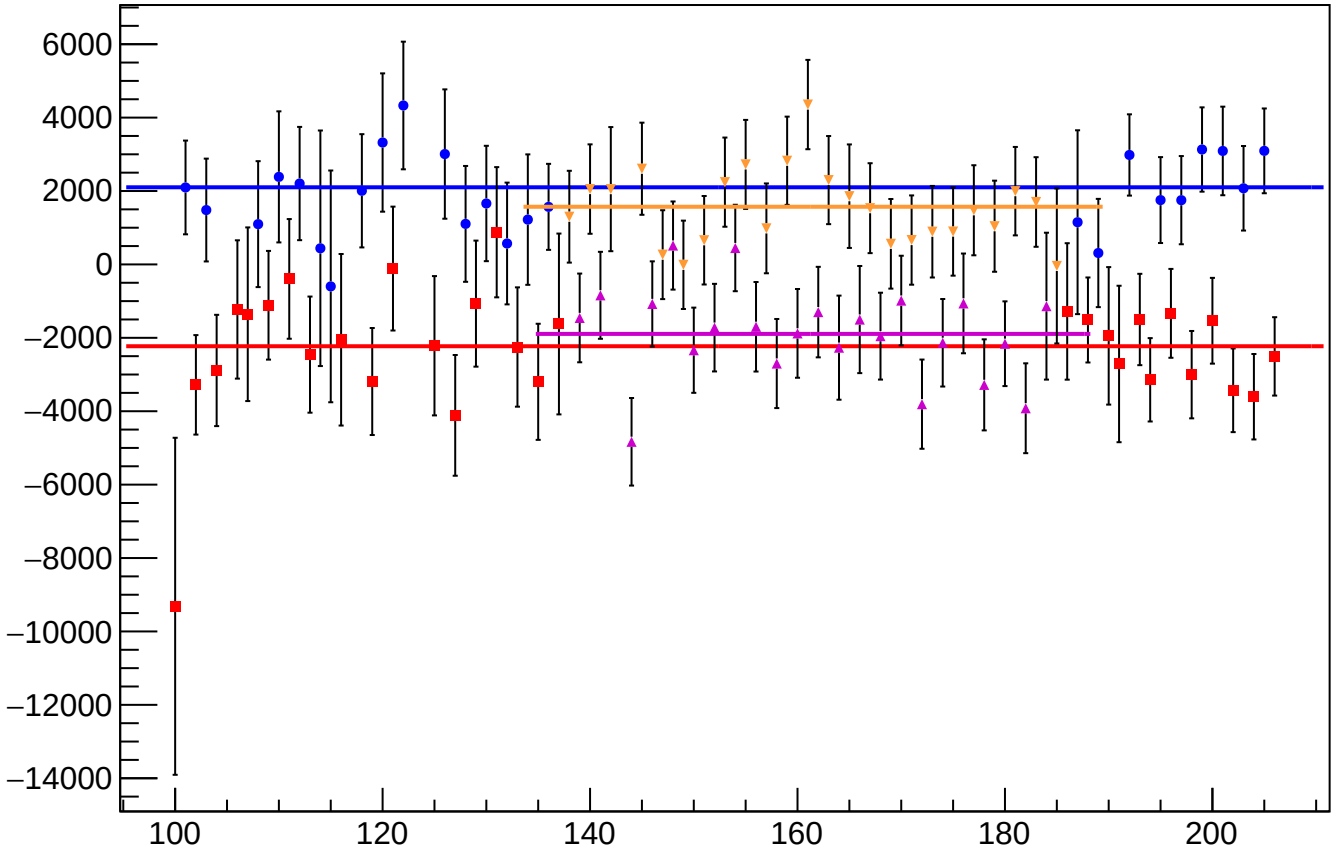
Left In: 29.255+/-0.005 χ^2/NDF:1140337.0/22

+ sign 27.974+/-0.004 χ^2/NDF: 1556244.9/48

All: 27.871+/-0.003 χ^2/NDF: 3969552.3/100

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

reg_asym_usl_mean vs Slug



Right In: 2101.454+/-291.503 χ^2/NDF: 10.3/24

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

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

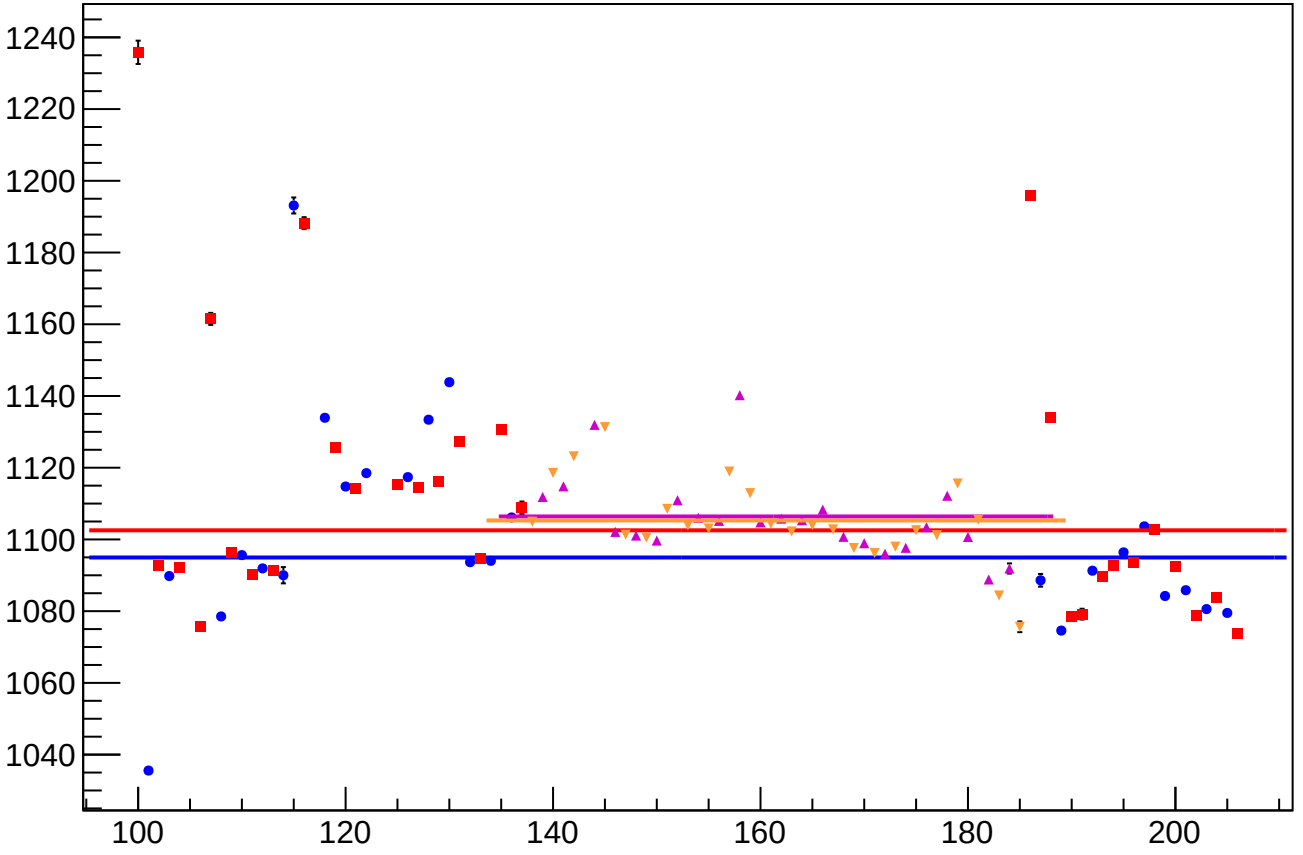
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1802.550+/-192.581 χ^2/NDF: 27.6/48

All: -175.507+/-134.372 χ^2/NDF: 276.4/101

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

reg_asym_usl_rms vs Slug



Right In: 1094.966+/-0.206 χ^2/NDF: 13457.6/24

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

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

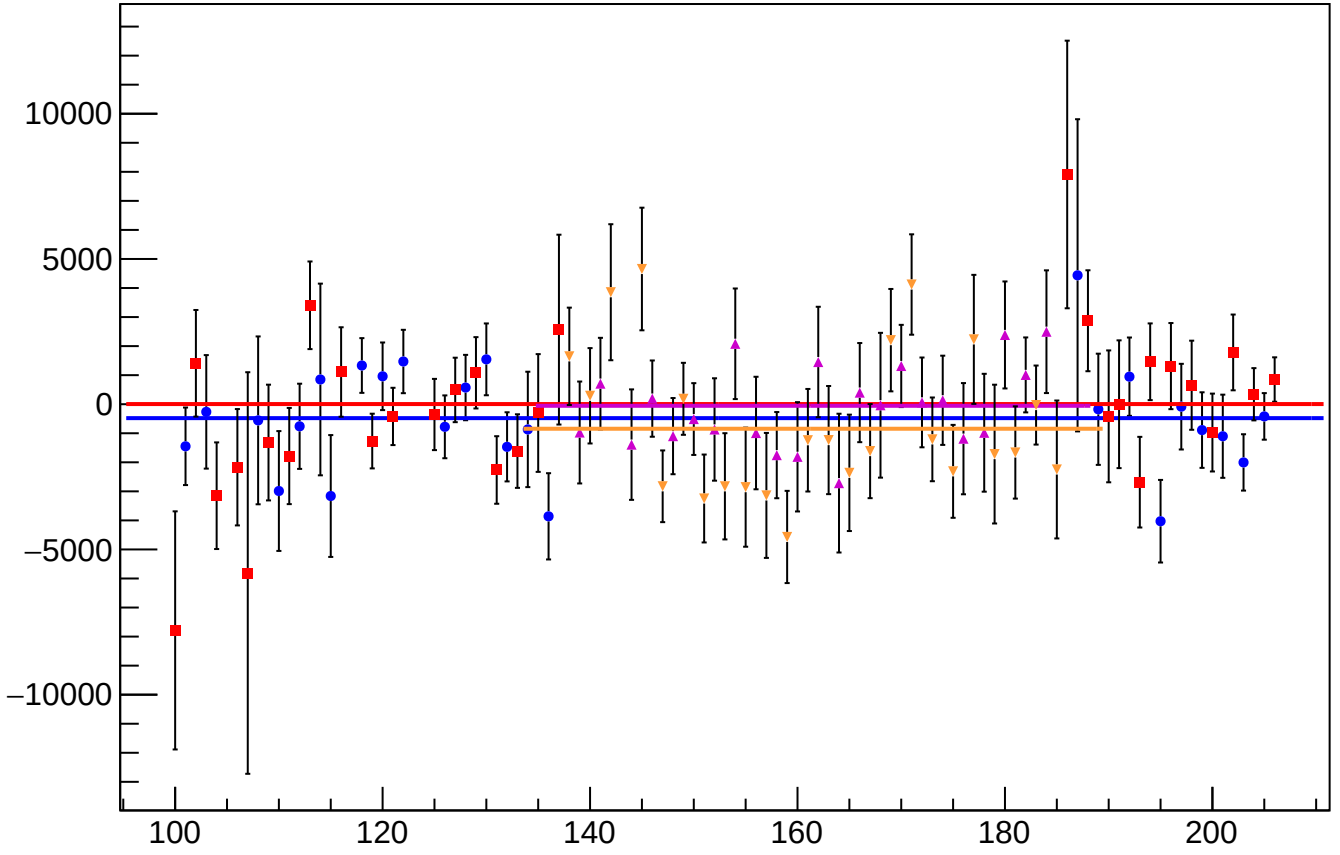
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

+ sign 1100.786+/-0.136 χ^2/NDF: 18034.3/48

All: 1102.732+/-0.095 χ^2/NDF: 41452.0/101

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

asym_usl_reg_correction_mean vs Slug



Right In: -479.383+/-268.314 χ^2/NDF: 32.9/24

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

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

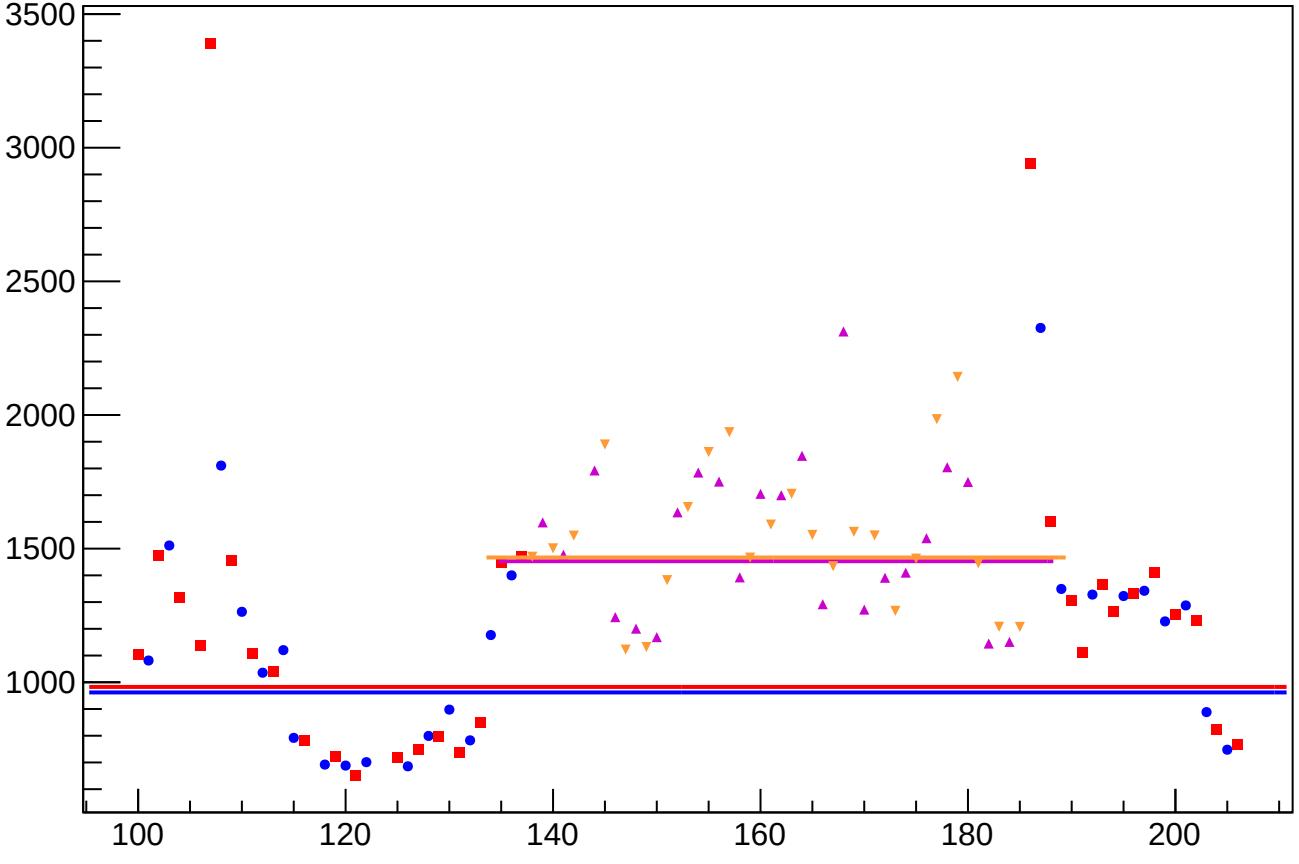
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -615.886+/-212.339 χ^2/NDF: 77.7/48

All: -307.354+/-147.977 χ^2/NDF: 134.9/101

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

asym_usl_reg_correction_rms vs Slug



Right In: 961.975+/-0.190 χ^2/NDF: 2183381.6/24

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

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

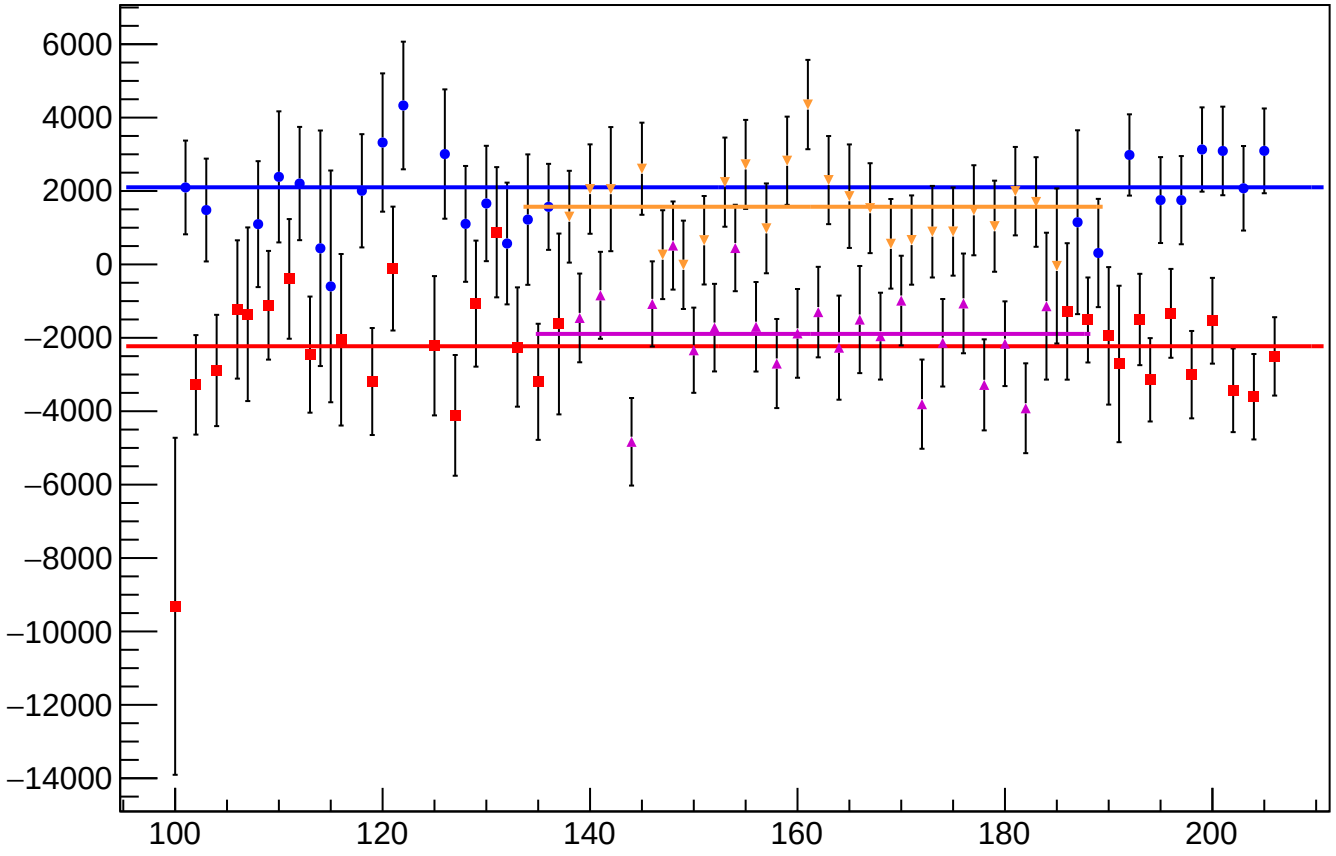
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1150.651+/-0.150 χ^2/NDF: 5872988.5/48

All: 1150.265+/-0.105 χ^2/NDF: 12393820.9/1

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

cor_asym_usl_mean vs Slug



Right In: 2101.454+/-291.503 χ^2/NDF: 10.3/24

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

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

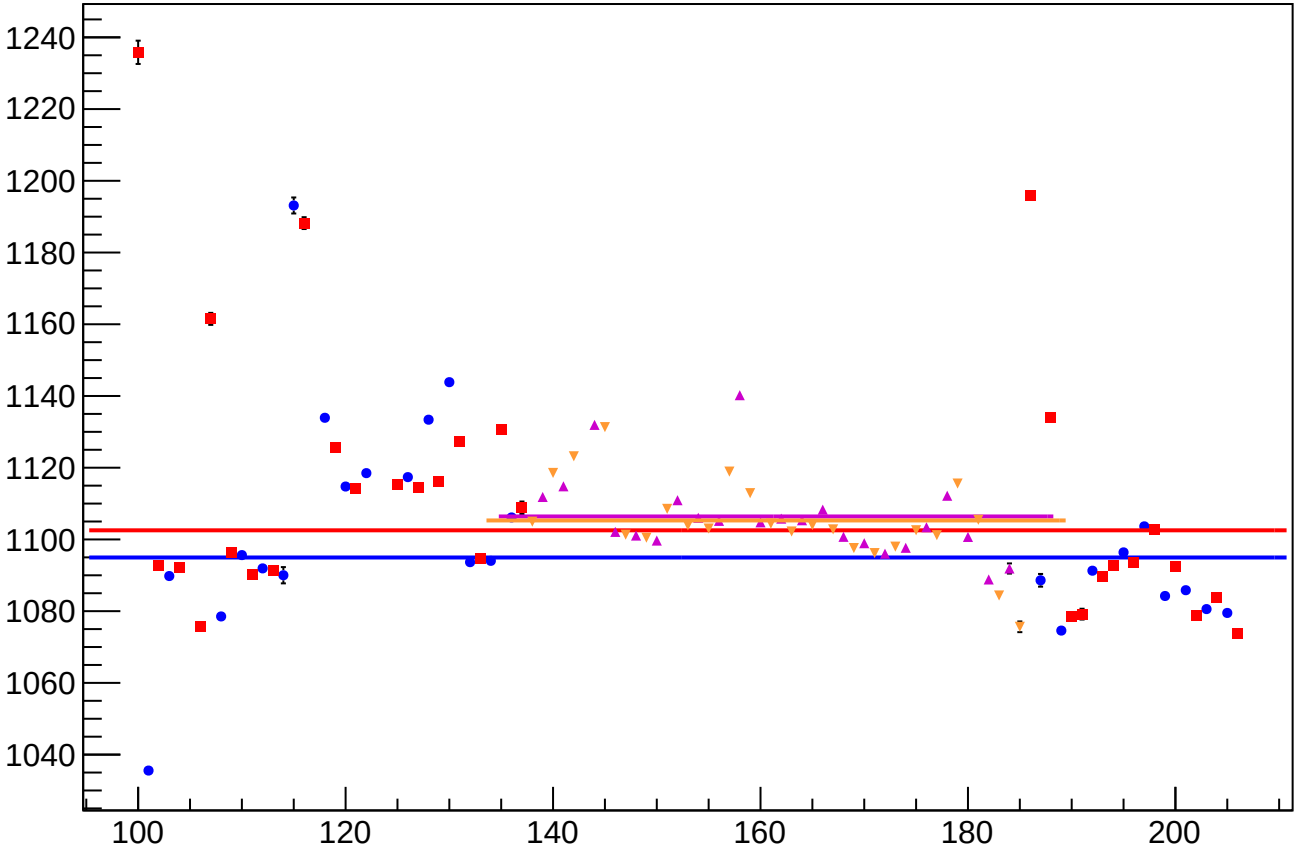
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1802.550+/-192.581 χ^2/NDF: 27.6/48

All: -175.505+/-134.372 χ^2/NDF: 276.4/101

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

cor_asym_usl_rms vs Slug



Right In: 1094.966+/-0.206 χ^2/NDF: 13457.6/24

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

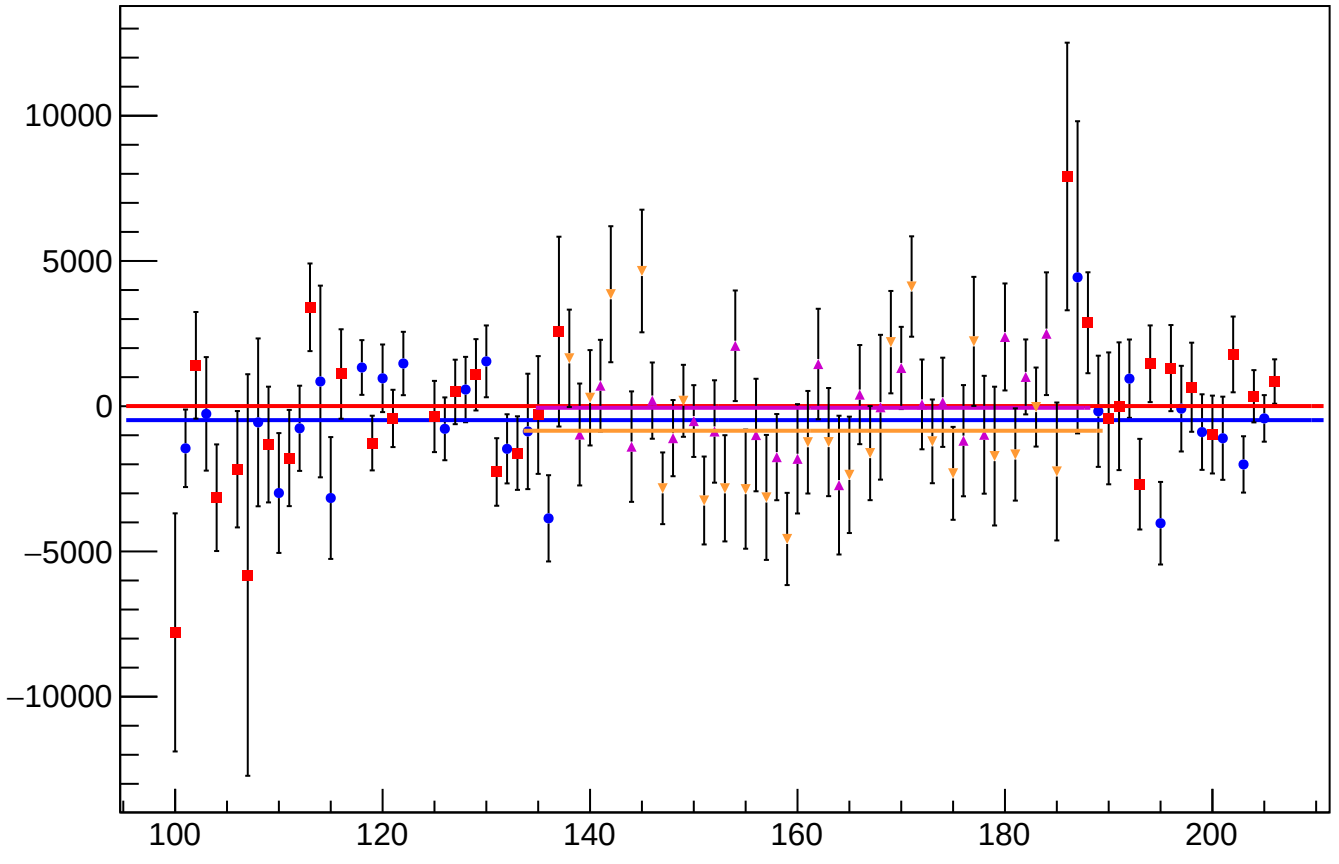
Right Out: 1102.541+/-0.193 χ^2/NDF: 19031.8/29

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

+ sign 1100.786+/-0.136 χ^2/NDF: 18034.3/48

All: 1102.732+/-0.095 χ^2/NDF: 41452.0/101

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



Right In: -479.383+/-268.314 χ^2/NDF: 32.9/24

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

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

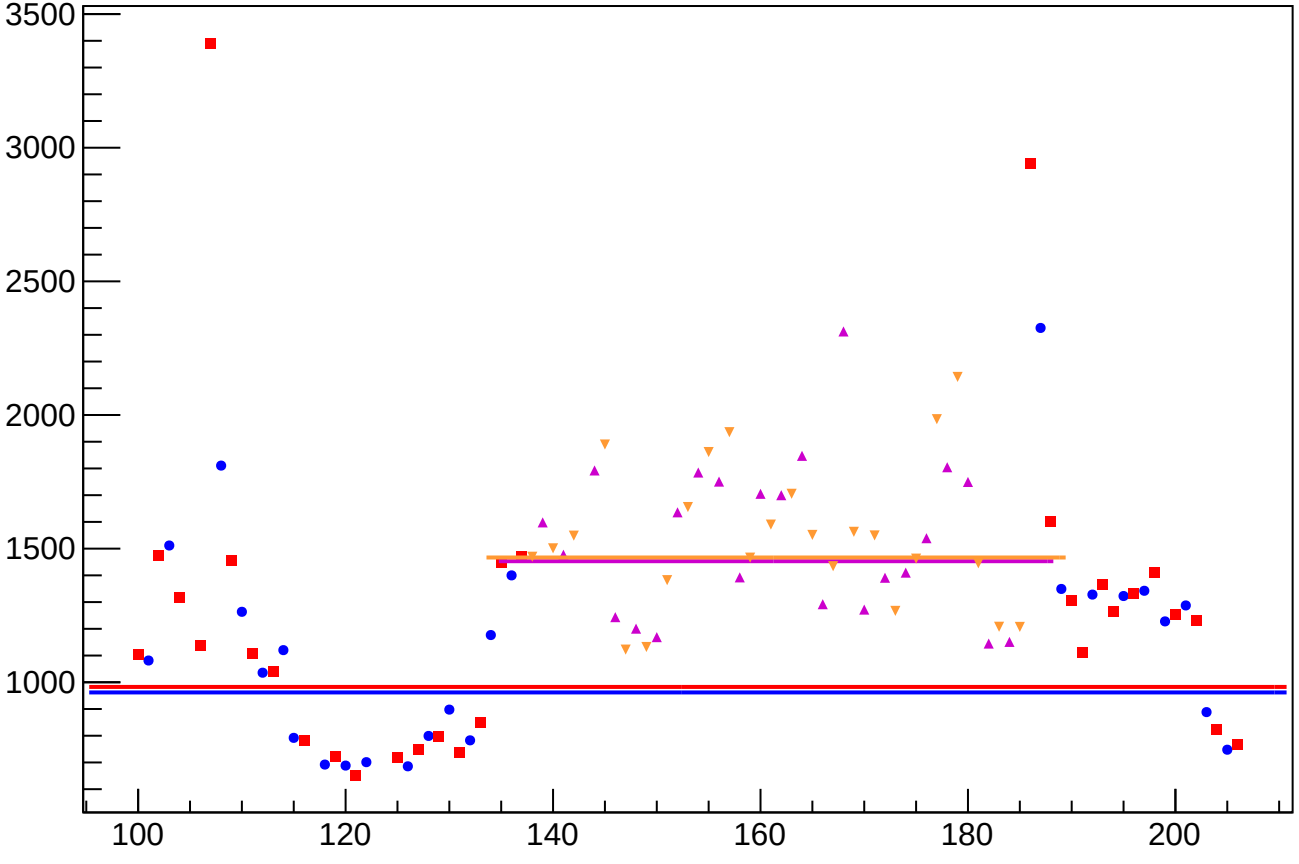
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -615.886+/-212.339 χ^2/NDF: 77.7/48

All: -307.354+/-147.977 χ^2/NDF: 134.9/101

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

asym_usl_cor_correction_rms vs Slug



Right In: 961.975+/-0.190 χ^2/NDF: 2183381.6/24

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

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

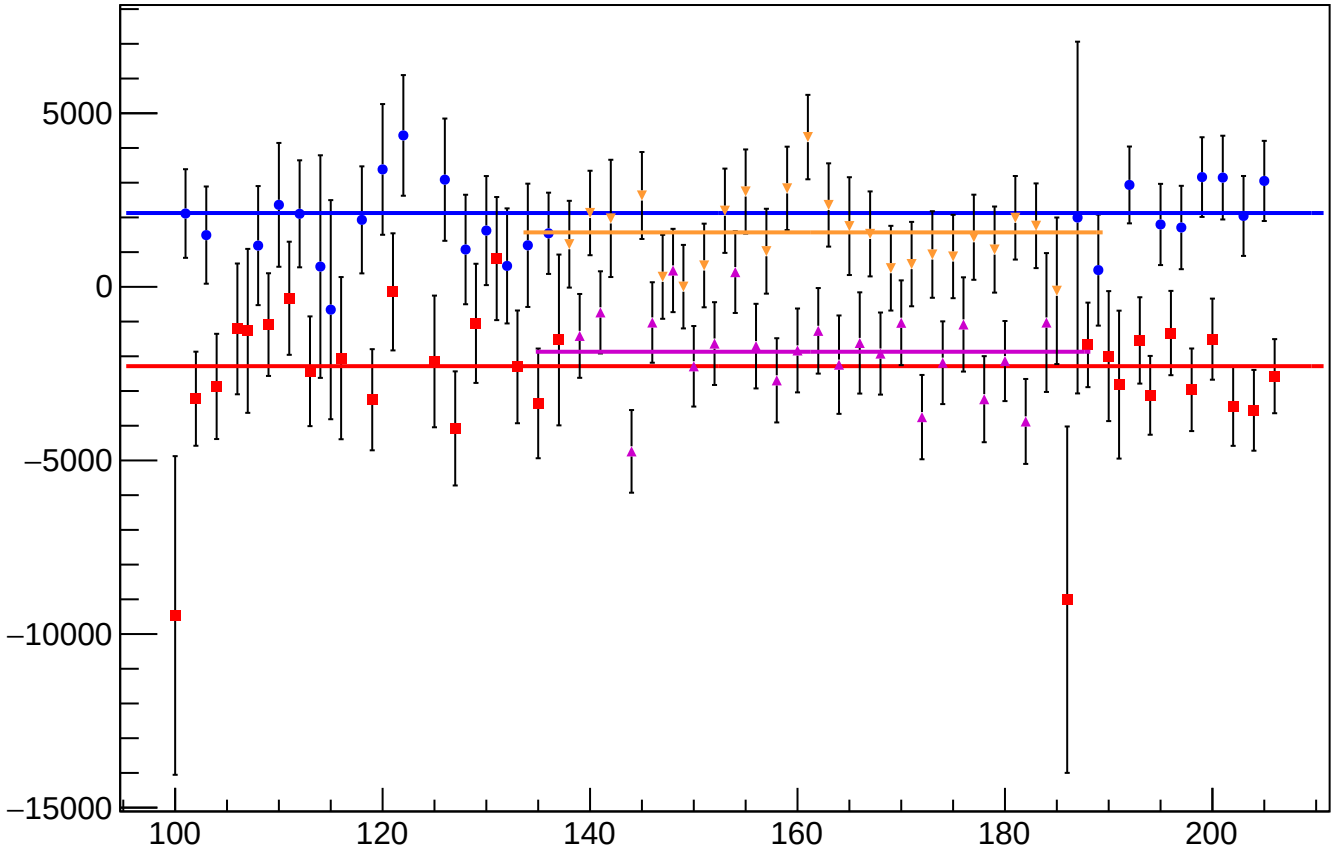
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1150.651+/-0.150 χ^2/NDF: 5872988.5/48

All: 1150.265+/-0.105 χ^2/NDF: 12393821.3/1

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

overload_cor_asym_usl_mean vs Slug



Right In: 2126.546+/-293.668 χ^2/NDF: 9.8/24

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

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

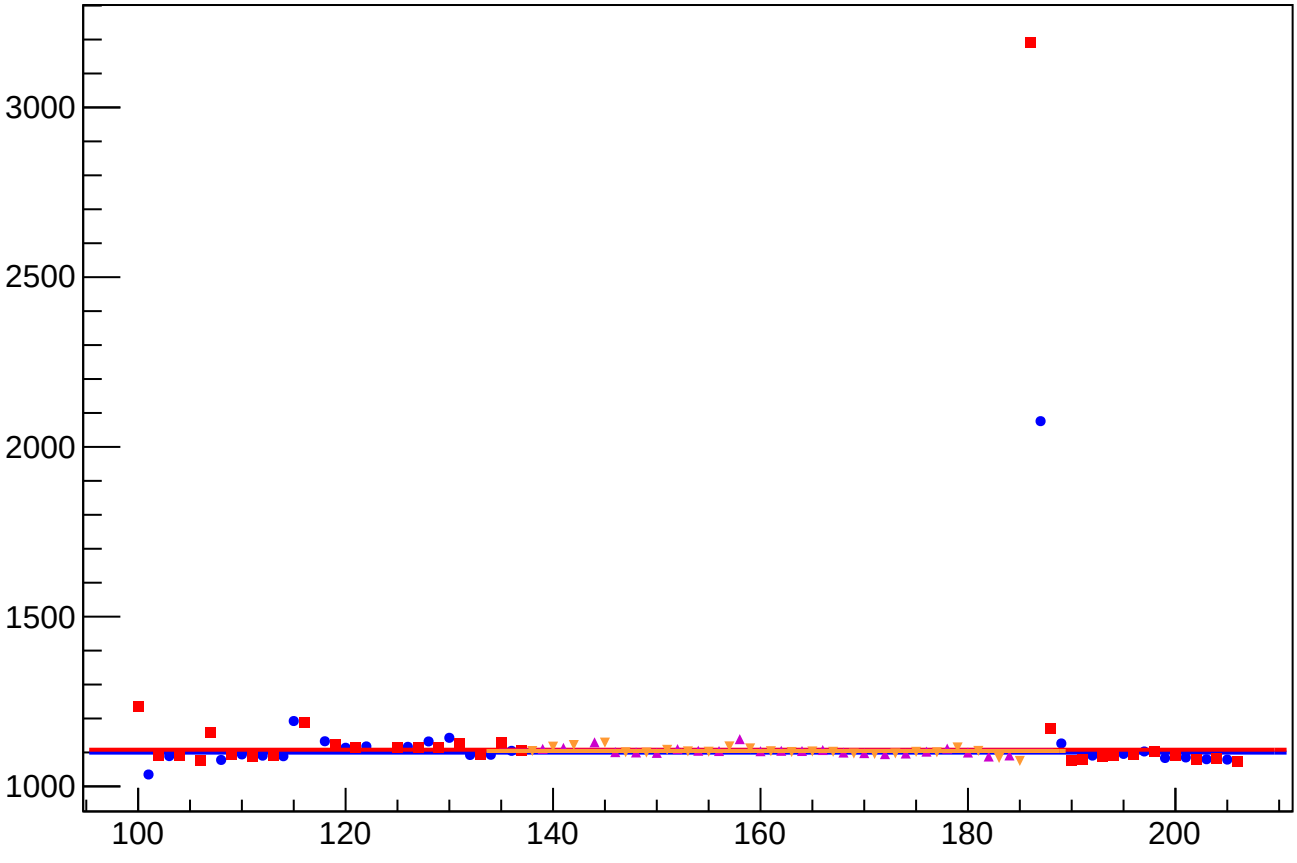
Left In: -1869.342+/-258.099 χ^2/NDF:23.4/22

+ sign 1809.936+/-193.098 χ^2/NDF: 27.3/48

All: -173.118+/-134.888 χ^2/NDF: 277.7/101

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

overload_cor_asym_usl_rms vs Slug



Right In: 1099.446+/-0.208 χ^2/NDF: 88247.8/24

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

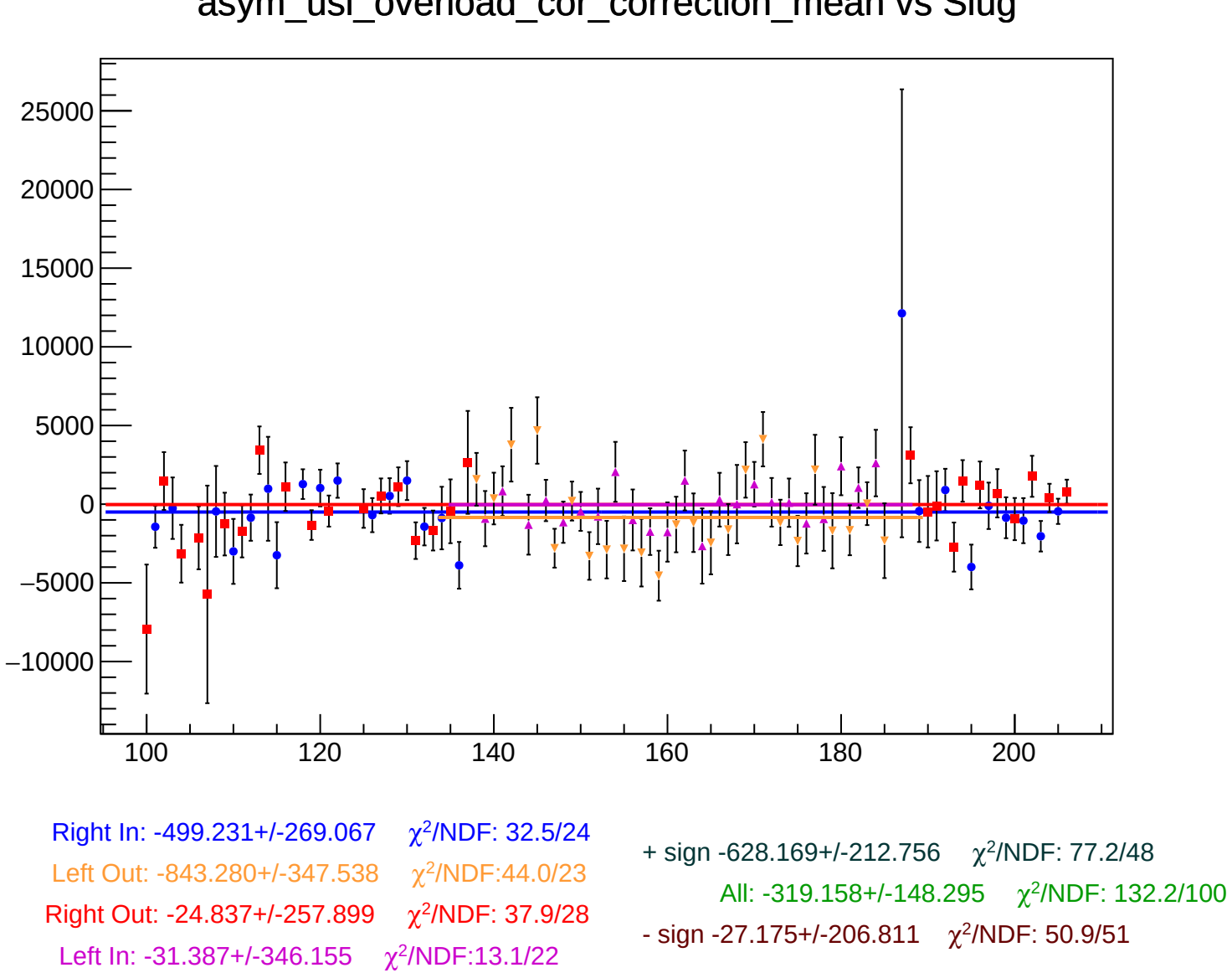
Right Out: 1108.020+/-0.195 χ^2/NDF: 368440.3/29

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

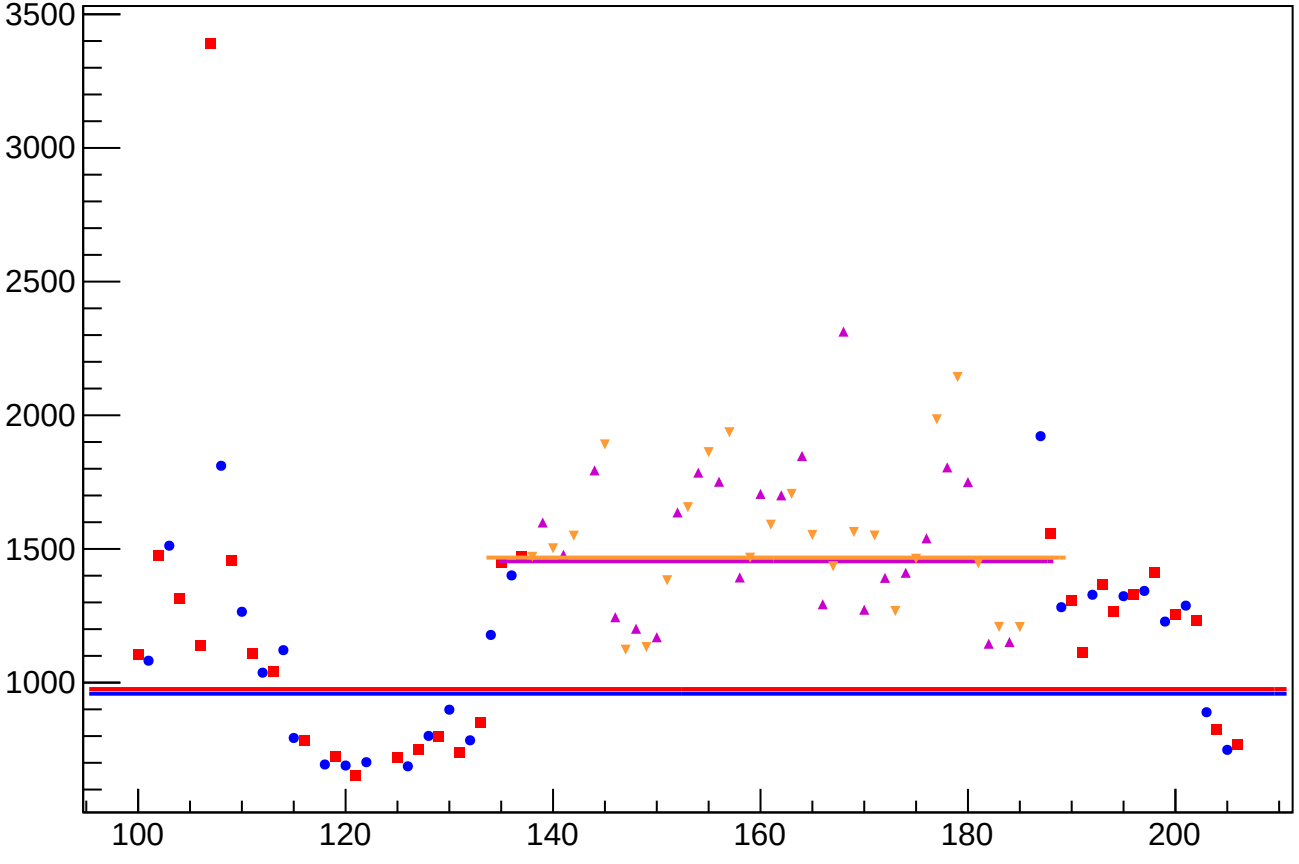
+ sign 1102.177+/-0.137 χ^2/NDF: 91551.9/48

All: 1104.448+/-0.095 χ^2/NDF: 464291.0/101

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


asym_usl_overload_cor_correction_mean vs Slug
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: -499.231+/-269.067 χ²/NDF: 32.5/24
Left Out: -843.280+/-347.538 χ²/NDF:44.0/23
Right Out: -24.837+/-257.899 χ²/NDF: 37.9/28
Left In: -31.387+/-346.155 χ²/NDF:13.1/22
+ sign -628.169+/-212.756 χ²/NDF: 77.2/48
All: -319.158+/-148.295 χ²/NDF: 132.2/100
- sign -27.175+/-206.811 χ²/NDF: 50.9/51

asym_usl_overload_cor_correction_rms vs Slug



Right In: 958.581+/-0.190 χ^2/NDF: 2026243.4/24

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

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

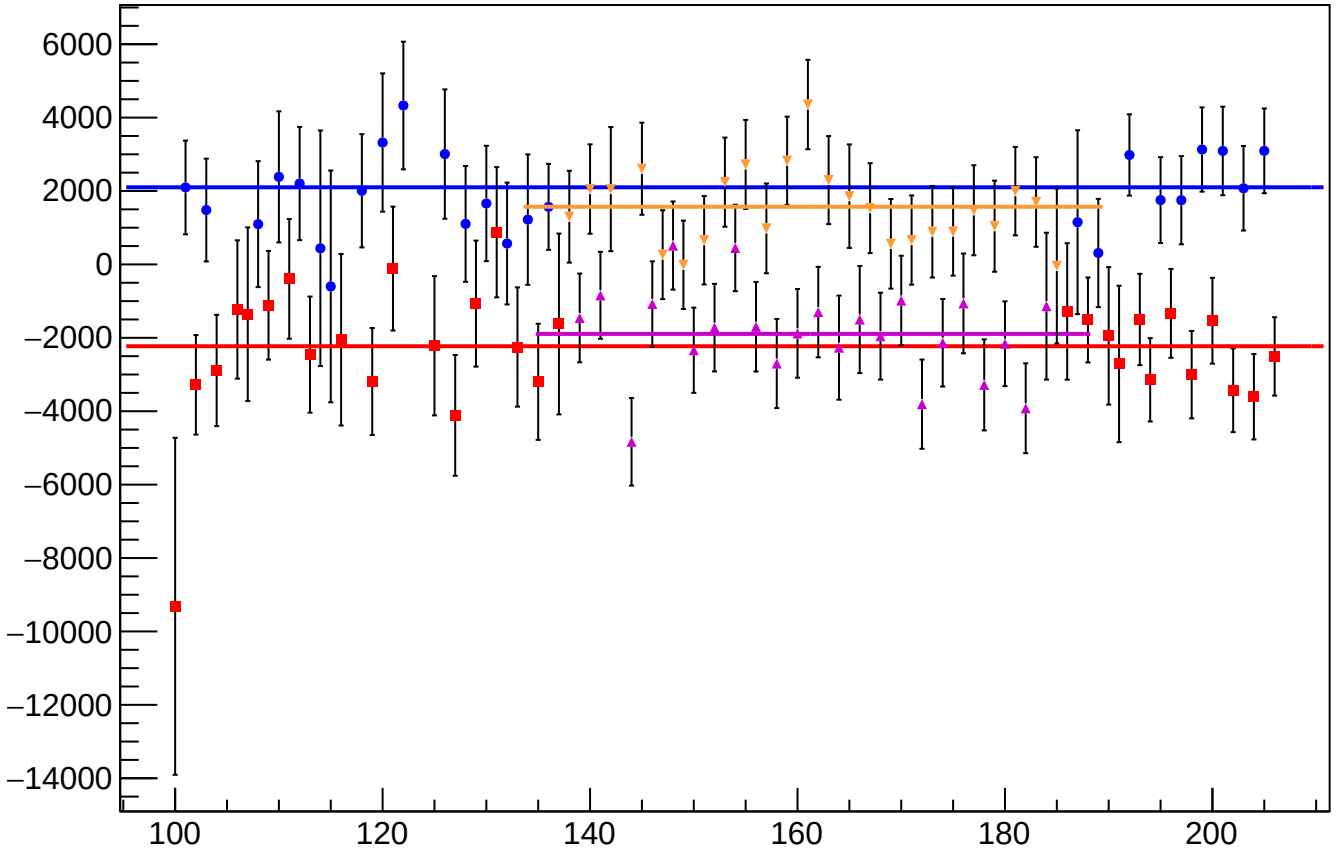
Left In: 1453.834+/-0.245 χ^2/NDF:1127997.5/22

+ sign 1149.380+/-0.150 χ^2/NDF: 5751622.9/48

All: 1147.913+/-0.105 χ^2/NDF: 11920745.9/1

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

eigen_cor_asym_usl_mean vs Slug



Right In: 2101.454+/-291.503 χ^2/NDF: 10.3/24

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

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

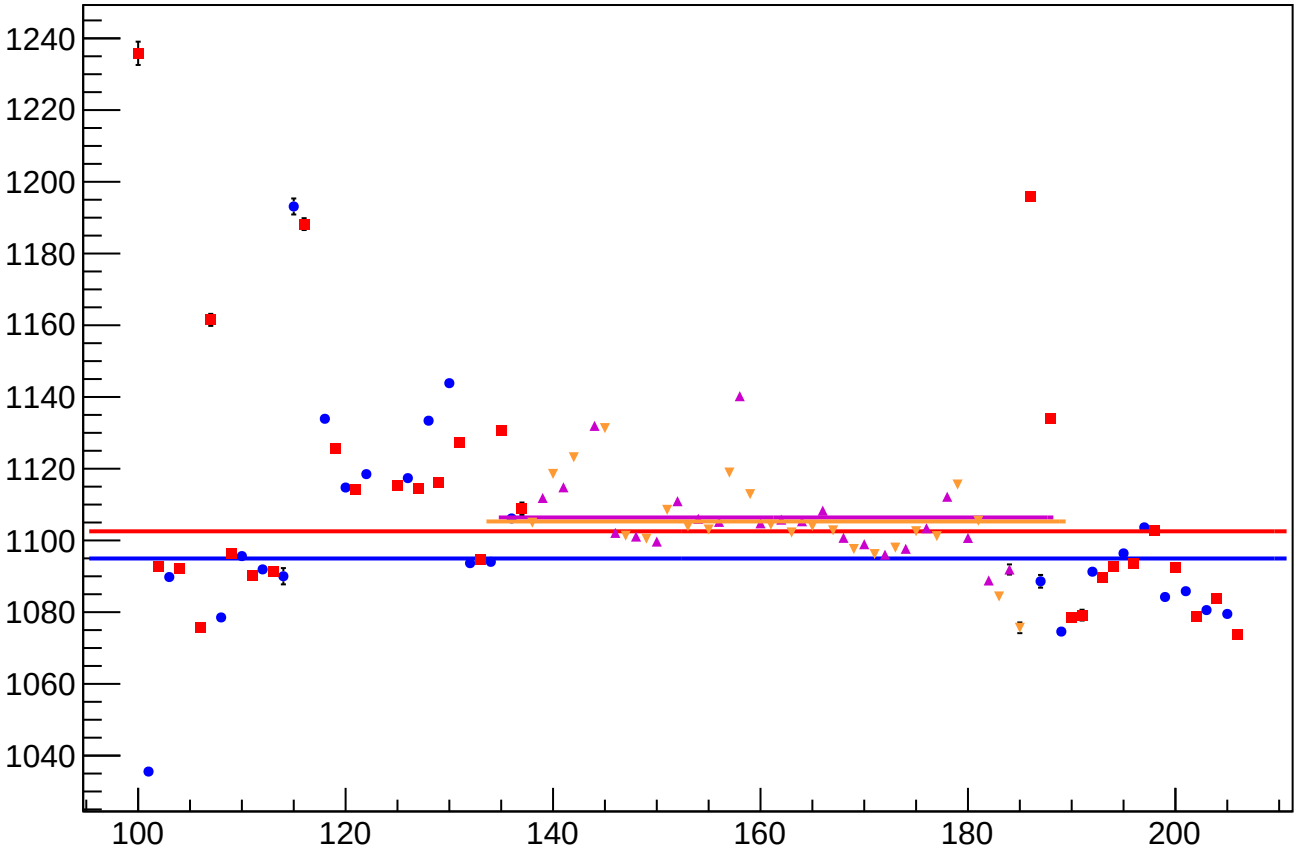
Left In: -1893.347+/-258.339 χ^2/NDF:24.1/22

+ sign 1802.550+/-192.581 χ^2/NDF: 27.6/48

All: -175.505+/-134.372 χ^2/NDF: 276.4/101

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

eigen_cor_asym_usl_rms vs Slug



Right In: 1094.966+/-0.206 χ^2/NDF: 13457.6/24

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

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

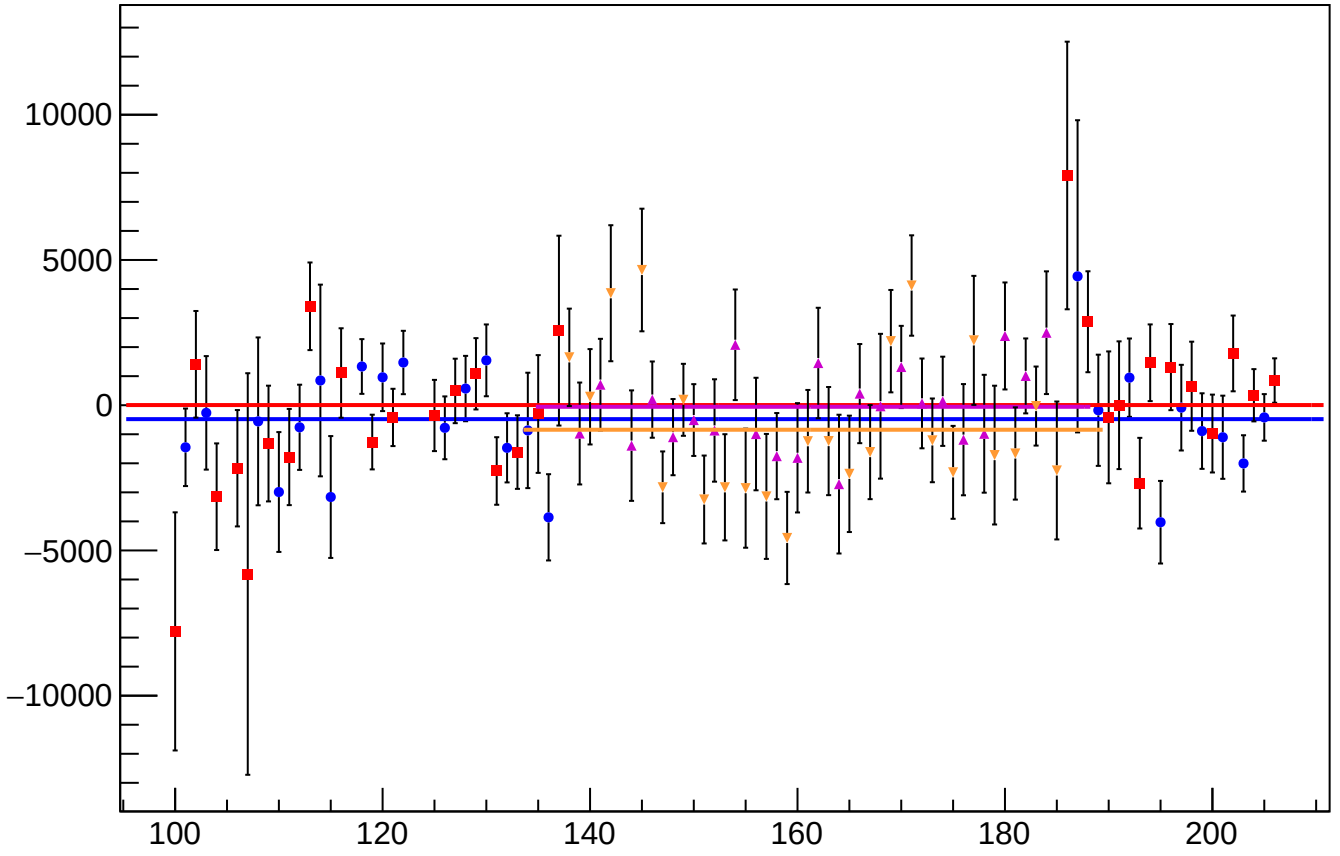
Left In: 1106.405+/-0.183 χ^2/NDF:3776.4/22

\+ sign 1100.786+/-0.136 χ^2/NDF: 18034.3/48

All: 1102.732+/-0.095 χ^2/NDF: 41452.0/101

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

asym_usl_eigen_cor_correction_mean vs Slug



Right In: -479.383+/-268.314 χ^2/NDF: 32.9/24

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

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

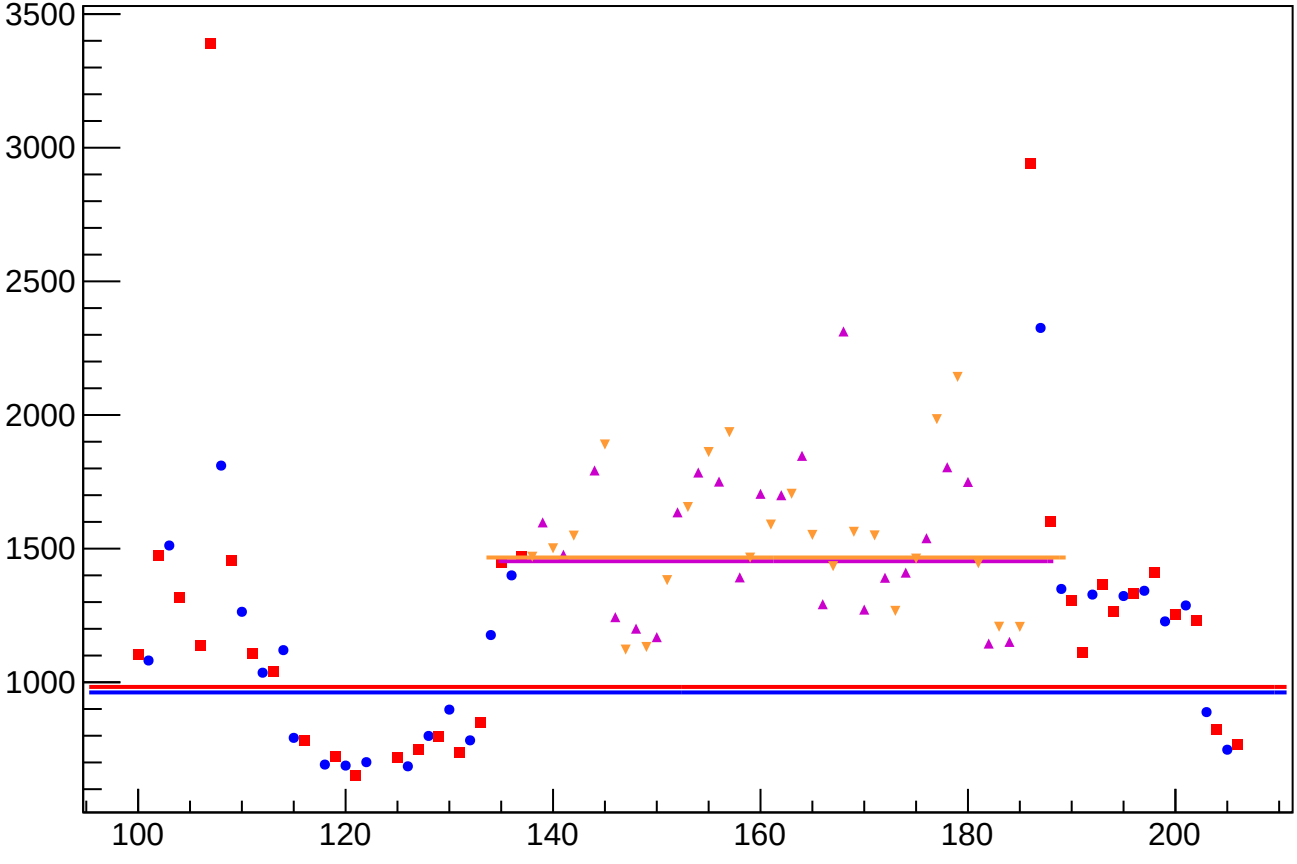
Left In: -54.347+/-345.962 χ^2/NDF:13.0/22

+ sign -615.886+/-212.339 χ^2/NDF: 77.7/48

All: -307.354+/-147.977 χ^2/NDF: 134.9/101

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

asym_usl_eigen_cor_correction_rms vs Slug



Right In: 961.975+/-0.190 χ^2/NDF: 2183381.6/24

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

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

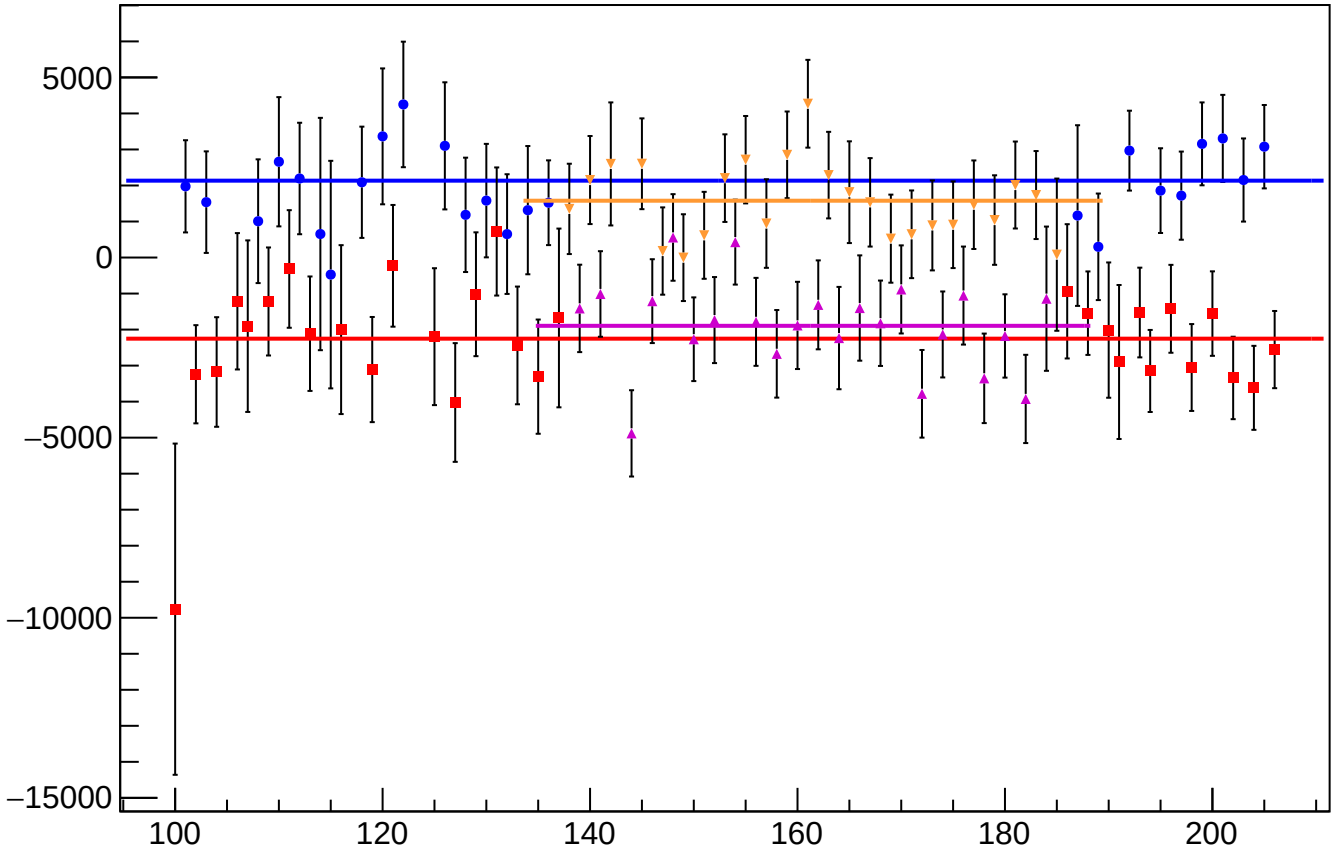
Left In: 1452.983+/-0.245 χ^2/NDF:1129567.2/22

+ sign 1150.651+/-0.150 χ^2/NDF: 5872988.5/48

All: 1150.265+/-0.105 χ^2/NDF: 12393821.3/1

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

dit_asym_usl_mean vs Slug



Right In: 2134.085+/-292.534 χ^2/NDF: 10.4/24

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

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

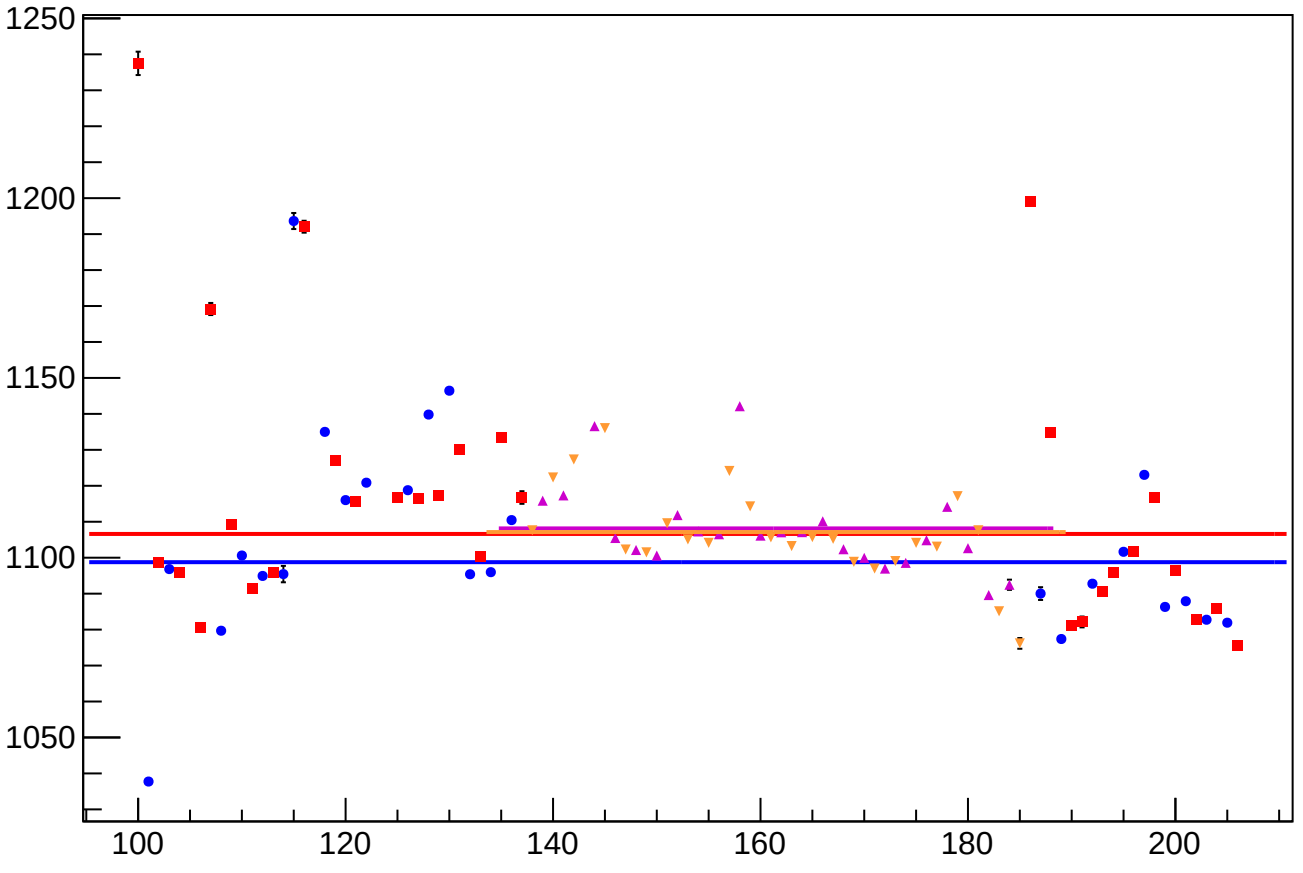
Left In: -1895.548+/-258.750 χ^2/NDF:24.1/22

+ sign 1819.900+/-193.075 χ^2/NDF: 28.0/48

All: -172.863+/-134.723 χ^2/NDF: 278.7/101

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

dit_asym_usl_rms vs Slug



Right In: 1098.756+/-0.207 χ^2/NDF: 14350.2/24

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

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

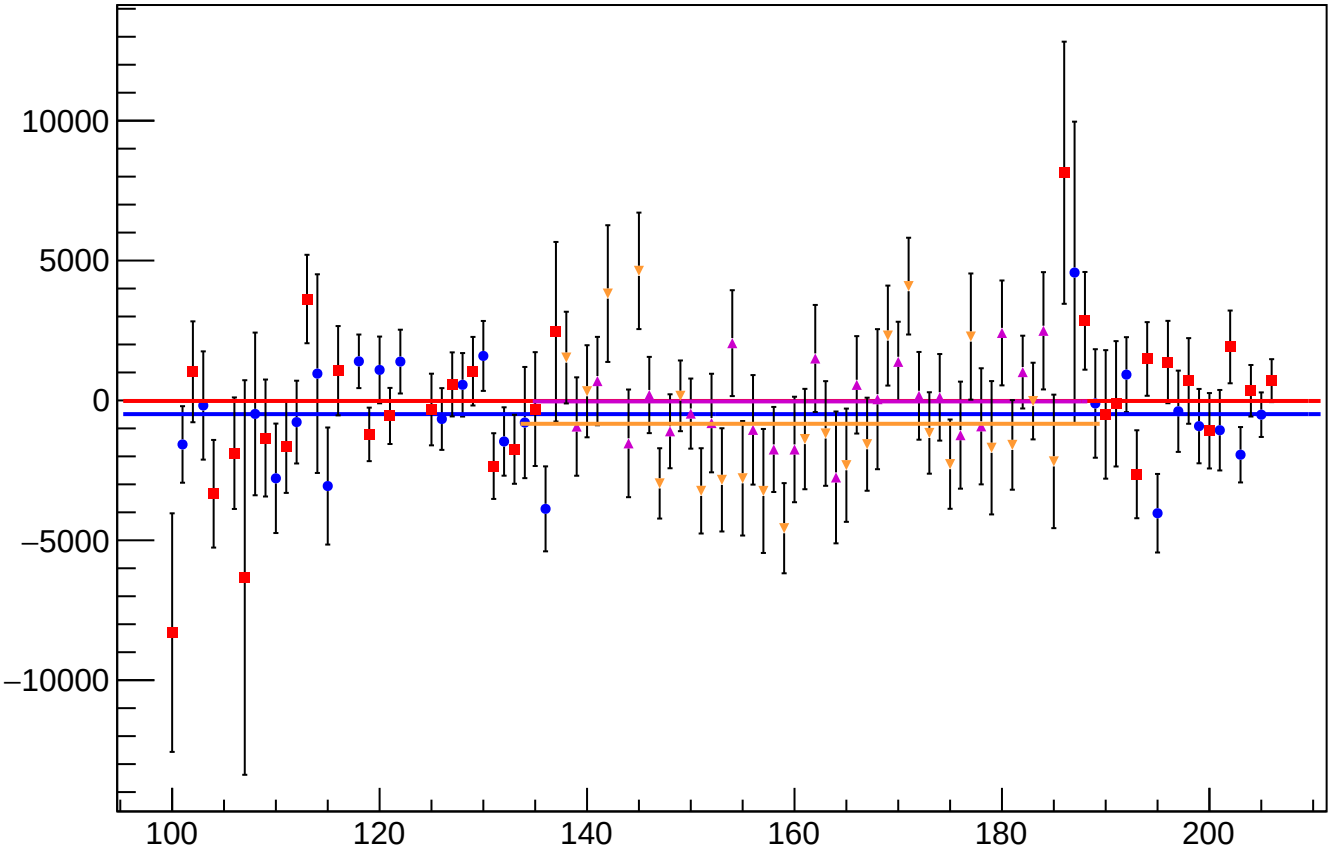
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1103.480+/-0.137 χ^2/NDF: 19058.3/48

All: 1105.502+/-0.095 χ^2/NDF: 42575.0/101

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

asym_usl_dit_correction_mean vs Slug



Right In: -489.533+/-271.294 χ^2/NDF: 32.2/24

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

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

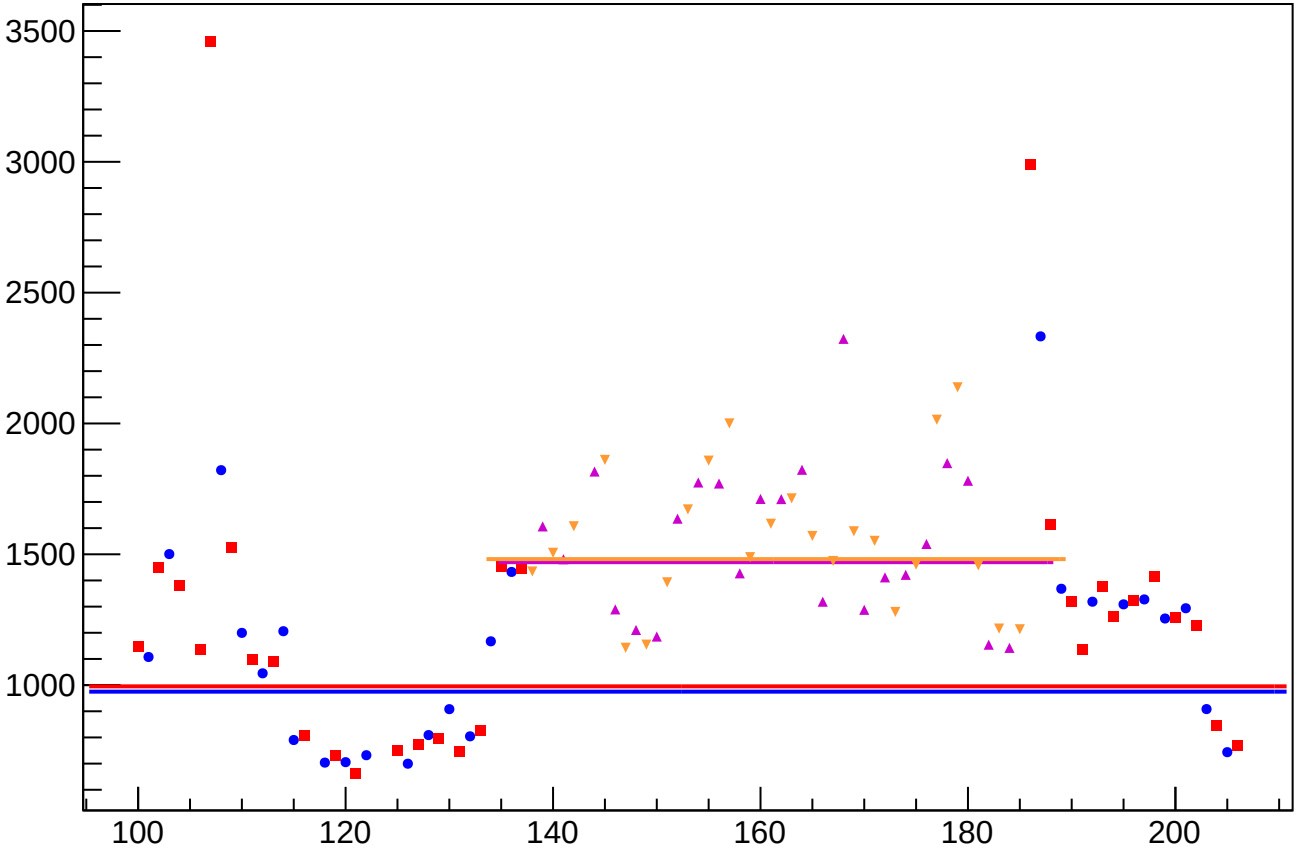
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -619.017+/-214.563 χ^2/NDF: 76.4/48

All: -313.748+/-149.576 χ^2/NDF: 133.6/101

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

asym_usl_dit_correction_rms vs Slug



Right In: 975.006+/-0.192 χ^2/NDF: 2092327.1/24

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

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

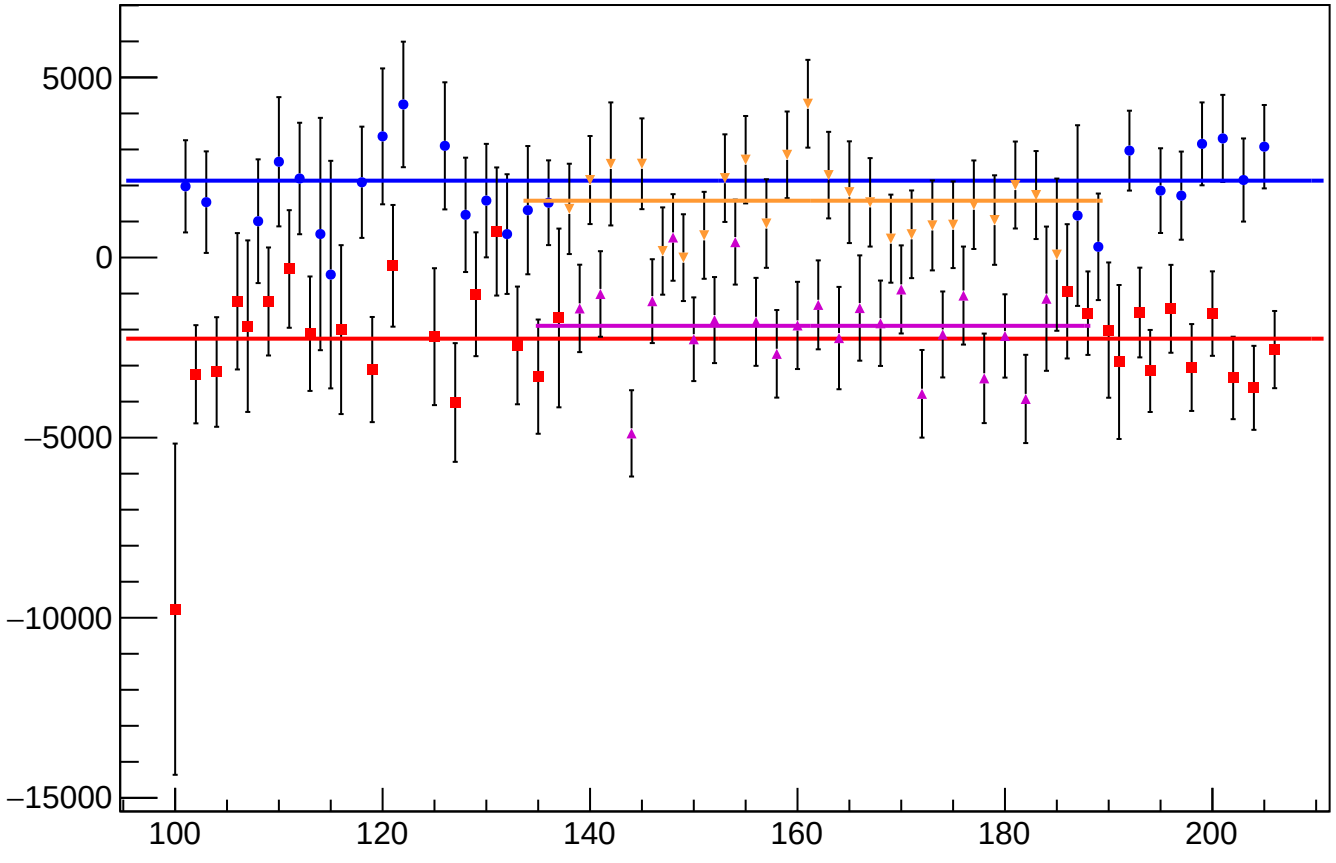
Left In: 1469.907+/-0.247 χ^2/NDF:1095056.5/22

+ sign 1164.703+/-0.152 χ^2/NDF: 5720879.3/48

All: 1164.471+/-0.106 χ^2/NDF: 12143540.3/1

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

eigen_dit_asym_usl_mean vs Slug



Right In: 2134.084+/-292.534 χ^2/NDF: 10.4/24

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

Right Out: -2252.297+/-273.858 χ^2/NDF: 18.1/29

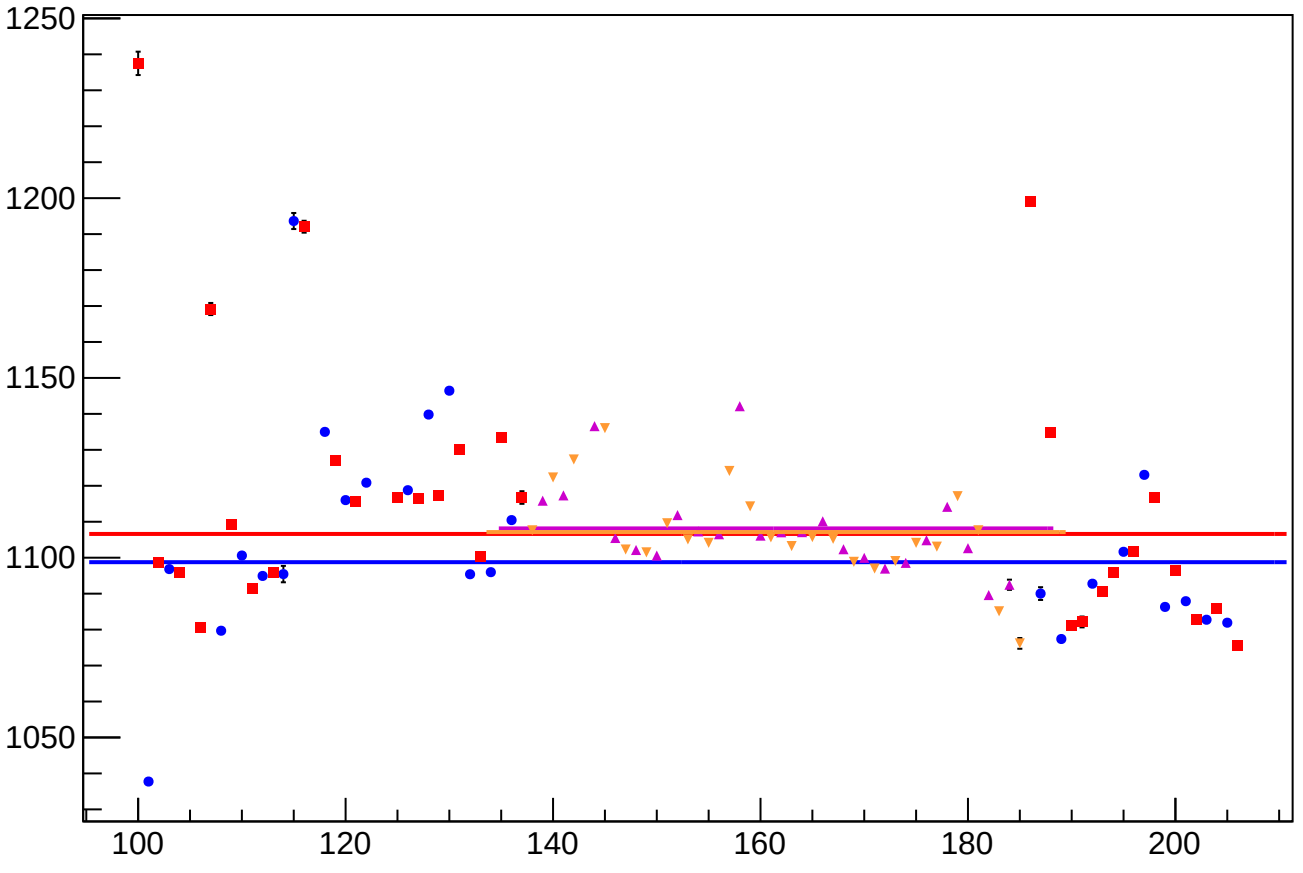
Left In: -1895.549+/-258.750 χ^2/NDF:24.1/22

+ sign 1819.898+/-193.075 χ^2/NDF: 28.0/48

All: -172.864+/-134.723 χ^2/NDF: 278.7/101

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

eigen_dit_asym_usl_rms vs Slug



Right In: 1098.756+/-0.207 χ^2/NDF: 14350.2/24

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

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

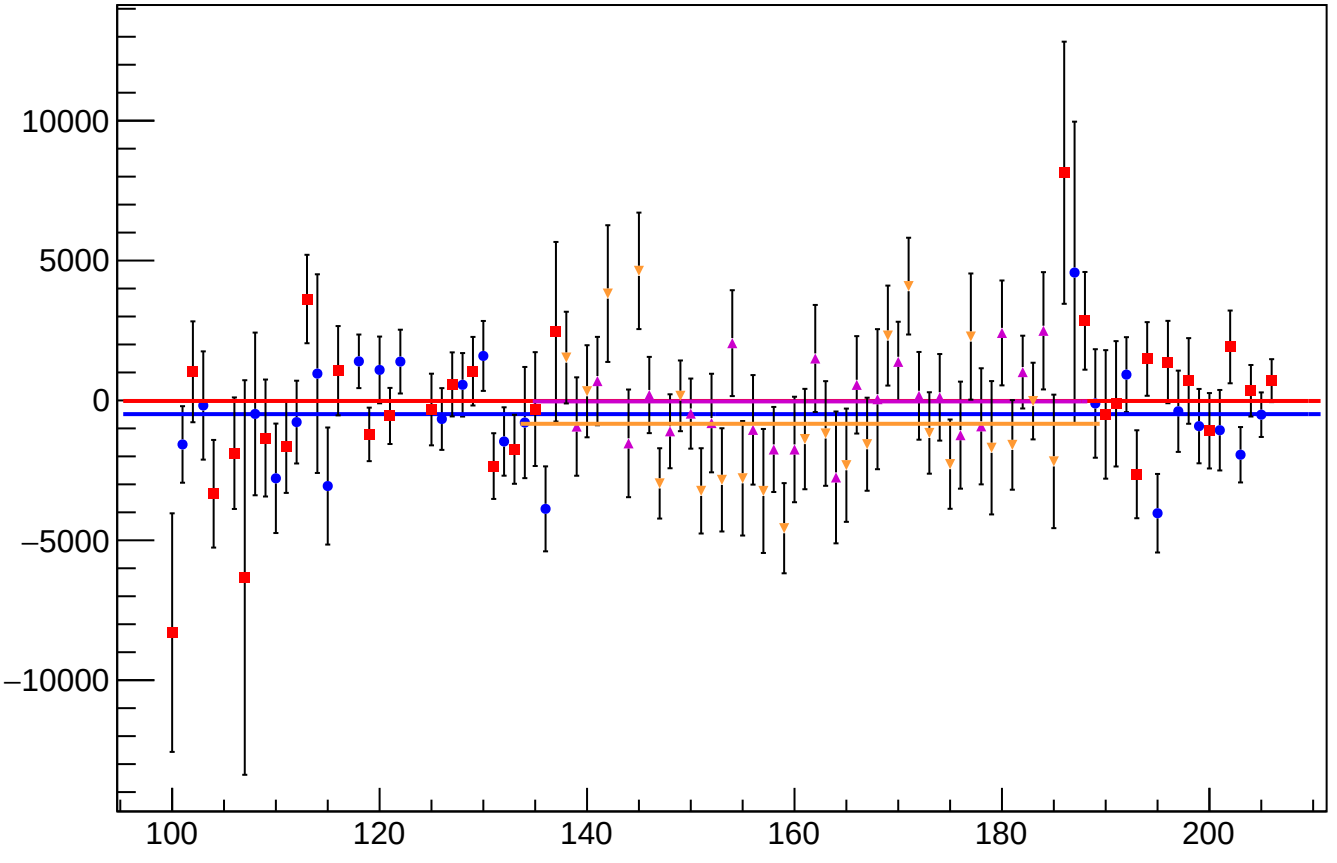
Left In: 1108.145+/-0.183 χ^2/NDF:4190.5/22

+ sign 1103.480+/-0.137 χ^2/NDF: 19058.3/48

All: 1105.502+/-0.095 χ^2/NDF: 42575.0/101

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

asym_usl_eigen_dit_correction_mean vs Slug



Right In: -489.531+/-271.294 χ^2/NDF: 32.2/24

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

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

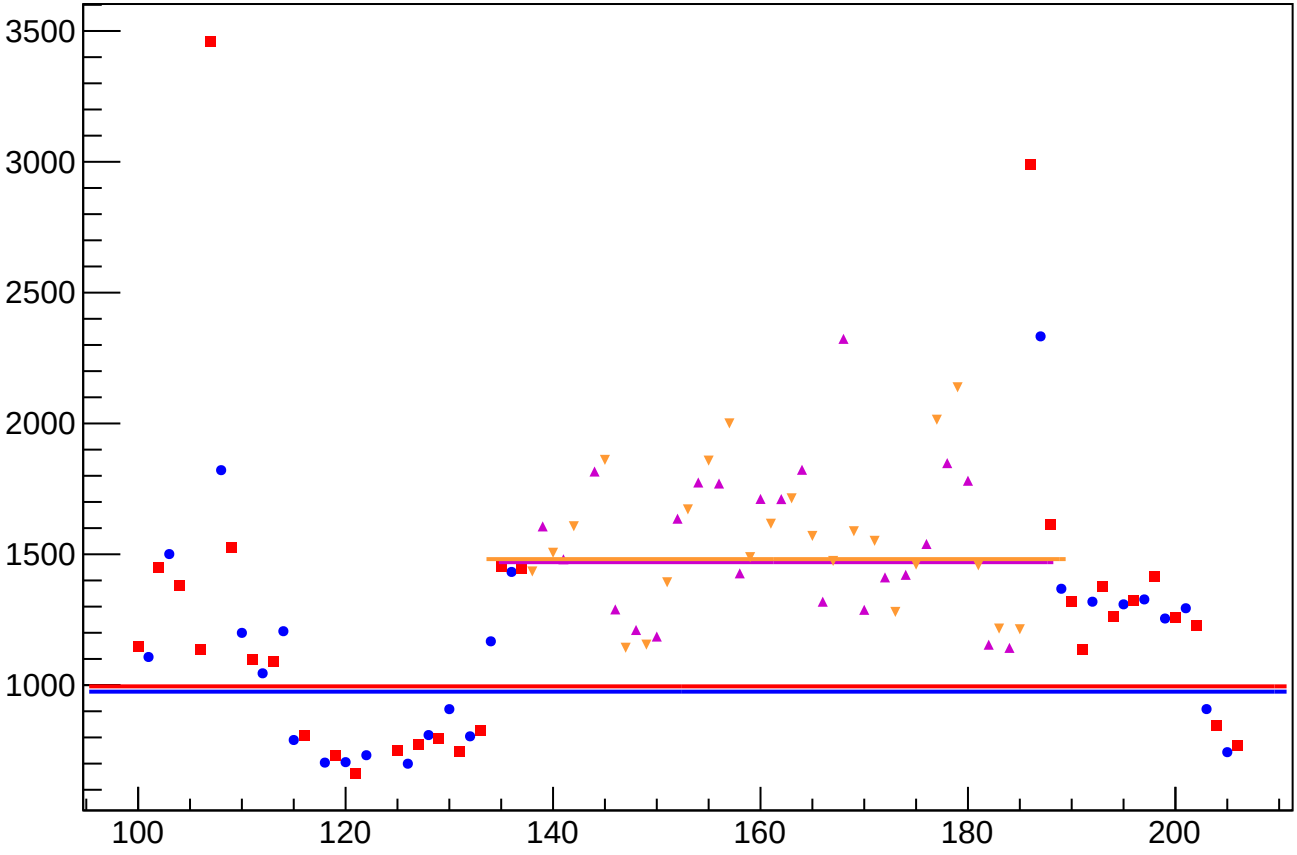
Left In: -35.516+/-349.636 χ^2/NDF:13.1/22

+ sign -619.017+/-214.563 χ^2/NDF: 76.4/48

All: -313.748+/-149.576 χ^2/NDF: 133.6/101

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

asym_usl_eigen_dit_correction_rms vs Slug



Right In: 975.005+/-0.192 χ^2/NDF: 2092335.2/24

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

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

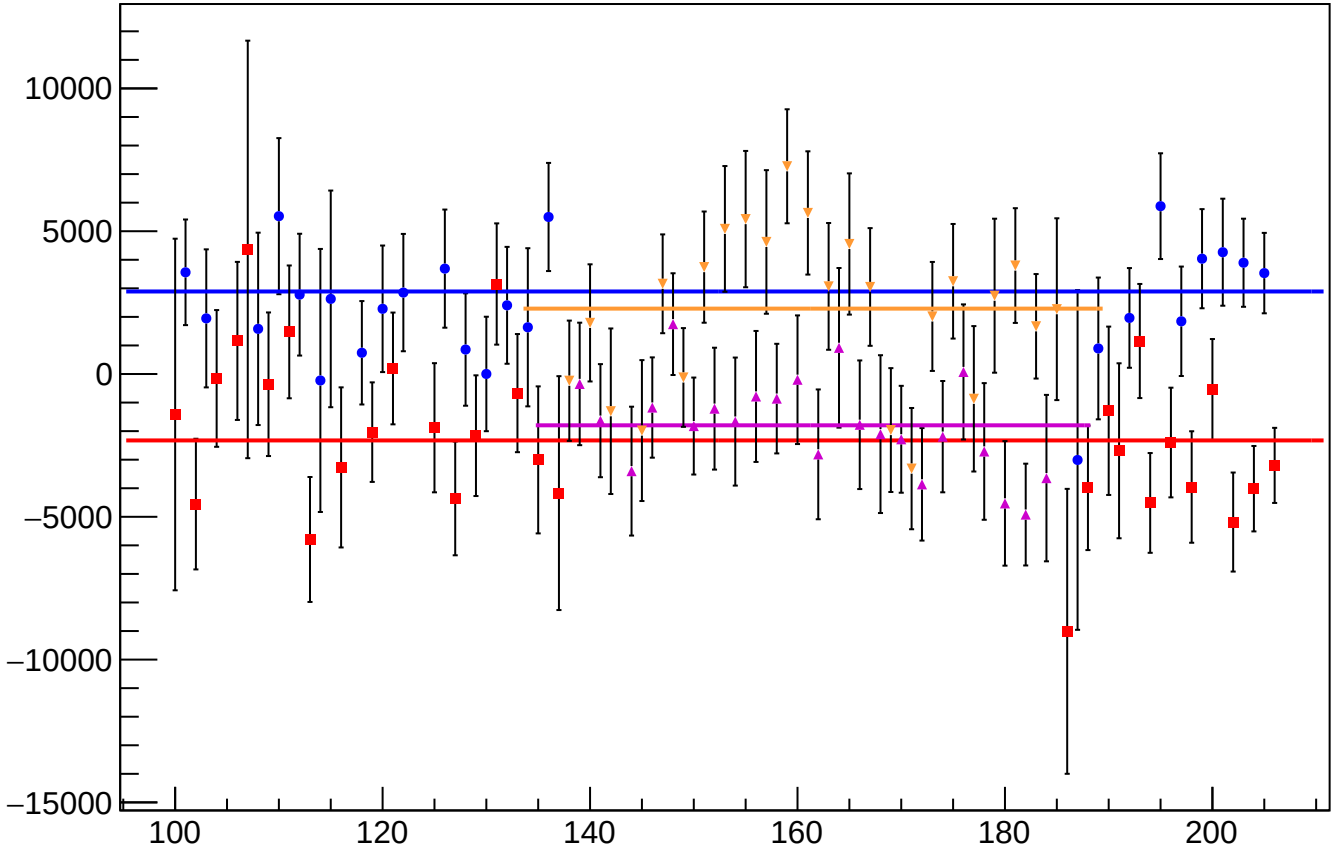
Left In: 1469.908+/-0.247 χ^2/NDF:1095054.0/22

+ sign 1164.702+/-0.152 χ^2/NDF: 5720910.5/48

All: 1164.470+/-0.106 χ^2/NDF: 12143604.2/1

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

asym_usl_mean vs Slug



Right In: 2890.004+/-415.896 χ^2/NDF: 15.2/24

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

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

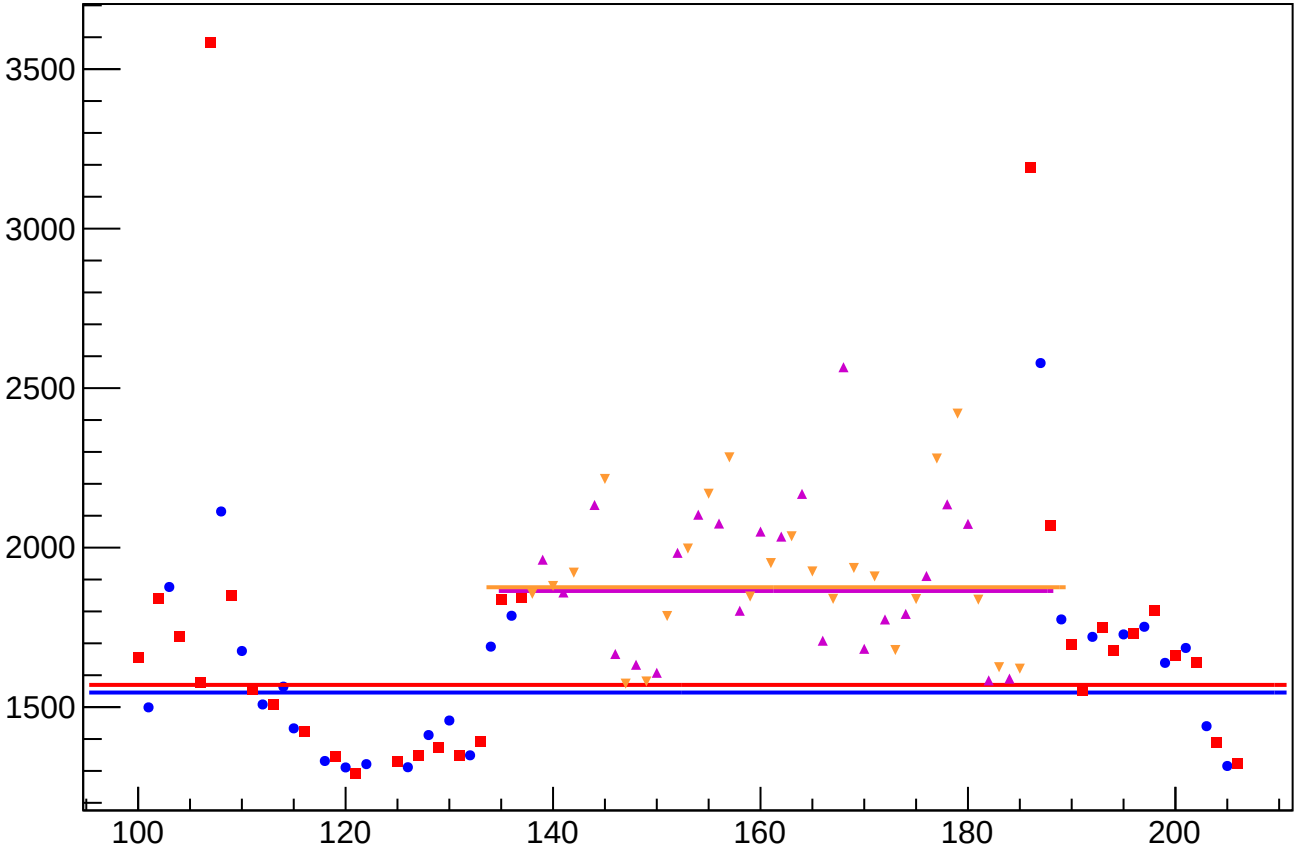
Left In: -1796.308+/-439.143 χ^2/NDF:14.2/22

+ sign 2606.288+/-302.027 χ^2/NDF: 52.2/48

All: 193.140+/-210.562 χ^2/NDF: 225.2/101

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

asym_usl_rms vs Slug



Right In: 1545.735+/-0.294 χ^2/NDF: 491333.8/24

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

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

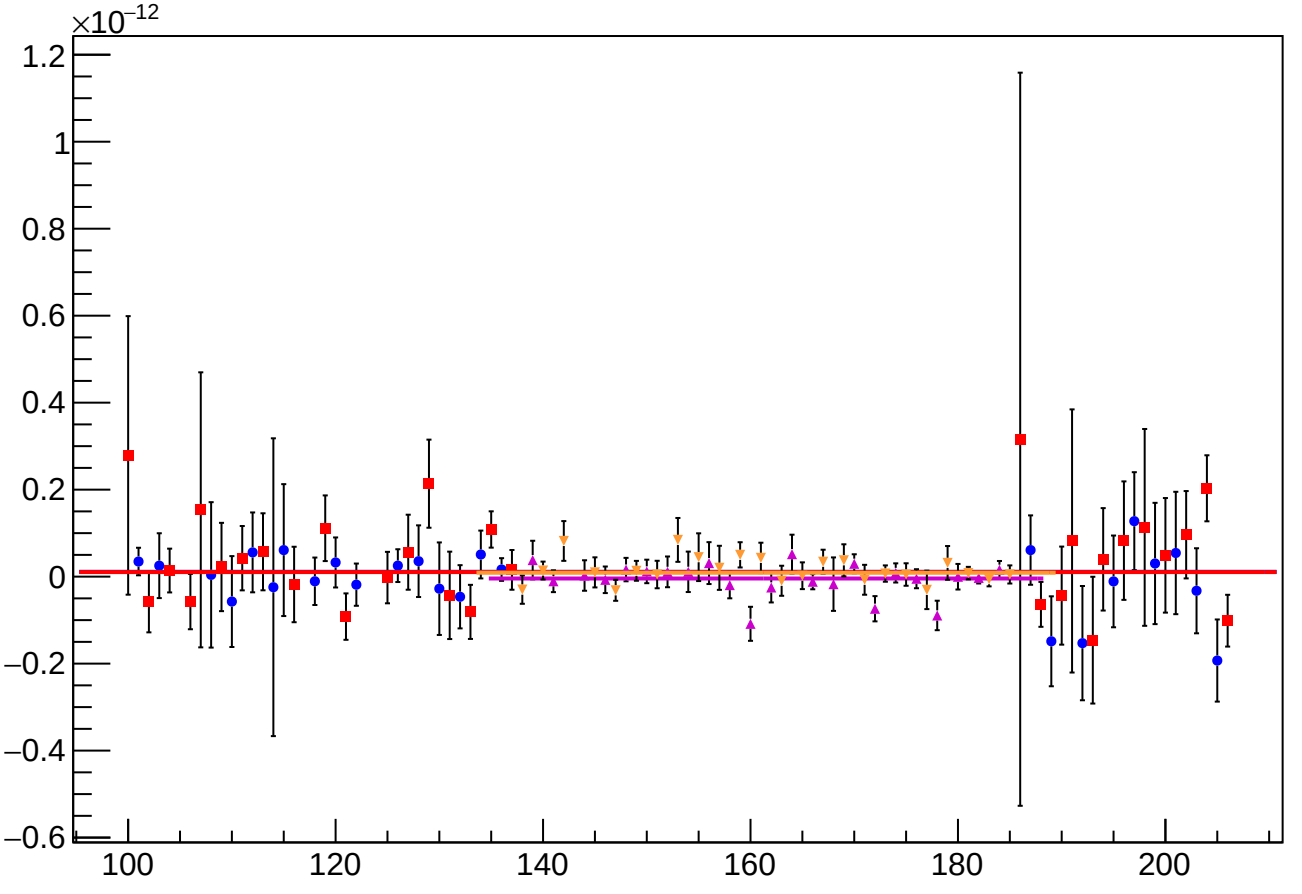
Left In: 1864.162+/-0.311 χ^2/NDF:510600.5/22

+ sign 1701.740+/-0.214 χ^2/NDF: 1559306.1/48

All: 1701.563+/-0.149 χ^2/NDF: 3489193.2/10

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

asym_usl_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.0/24

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

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

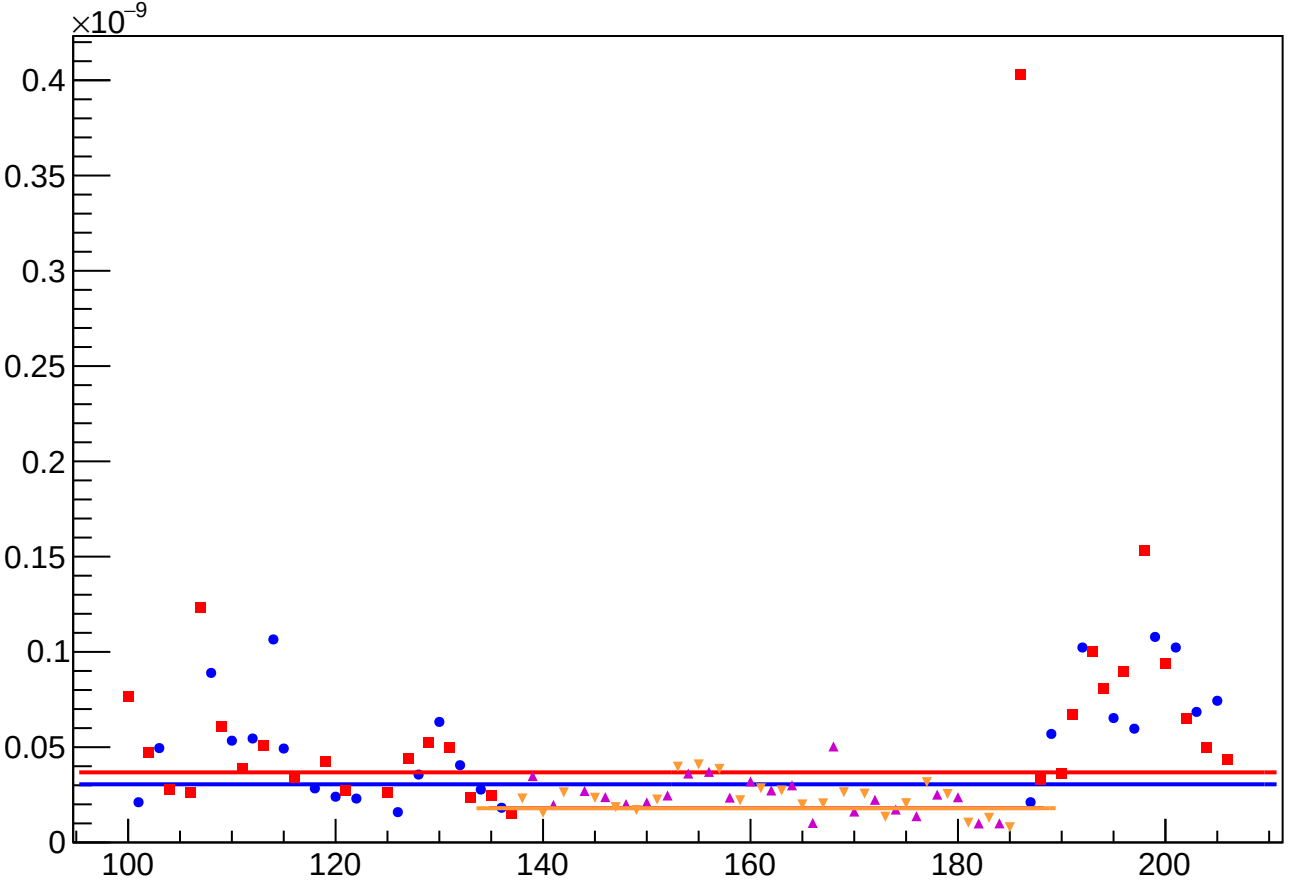
Left In: -0.000+/-0.000 χ^2/NDF:28.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.6/48

All: 0.000+/-0.000 χ^2/NDF: 98.7/101

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

asym_usl_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4952921.4/24

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

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

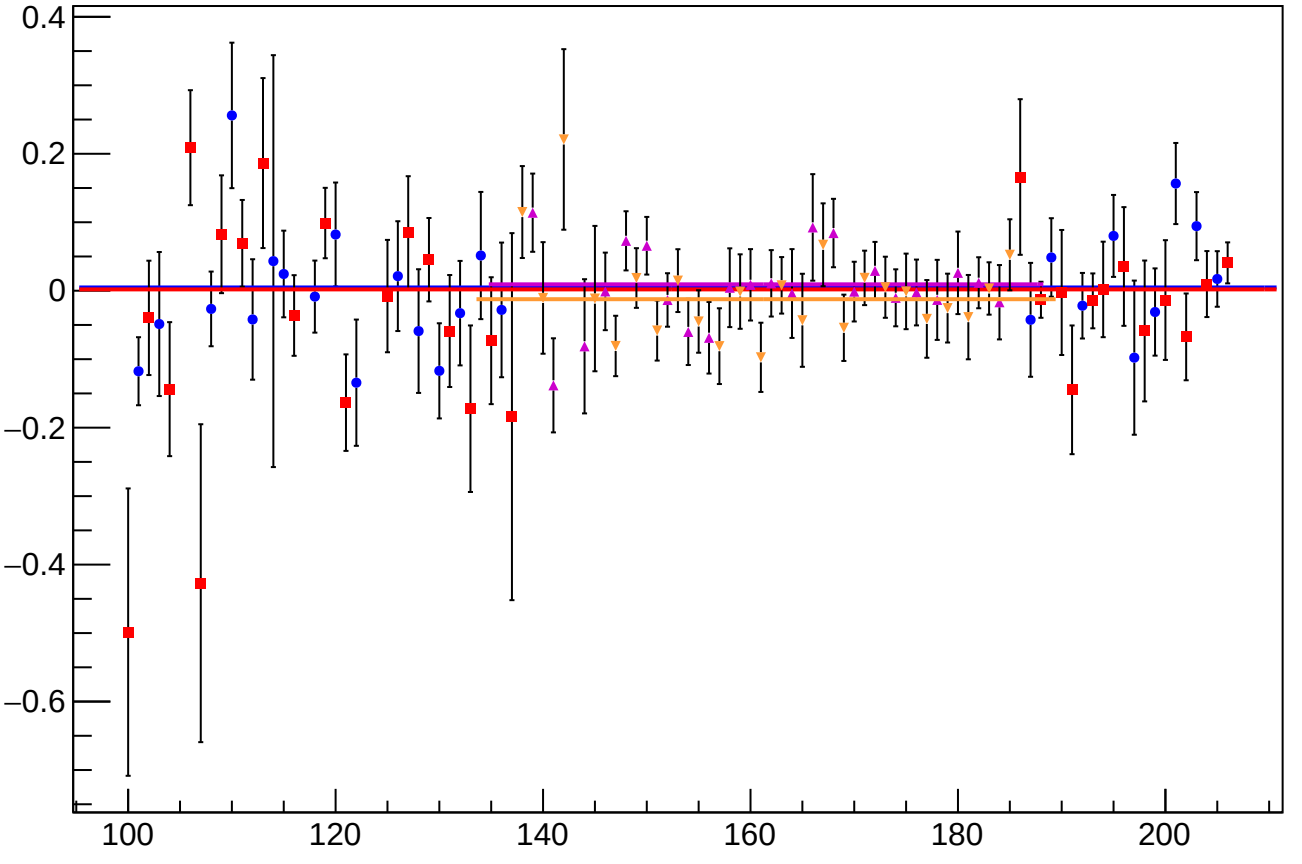
Left In: 0.000+/-0.000 χ^2/NDF:4180182.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10108807.5/48

All: 0.000+/-0.000 χ^2/NDF: 21394108.2/101

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

asym_usl_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.013 χ^2/NDF: 34.1/24

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

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

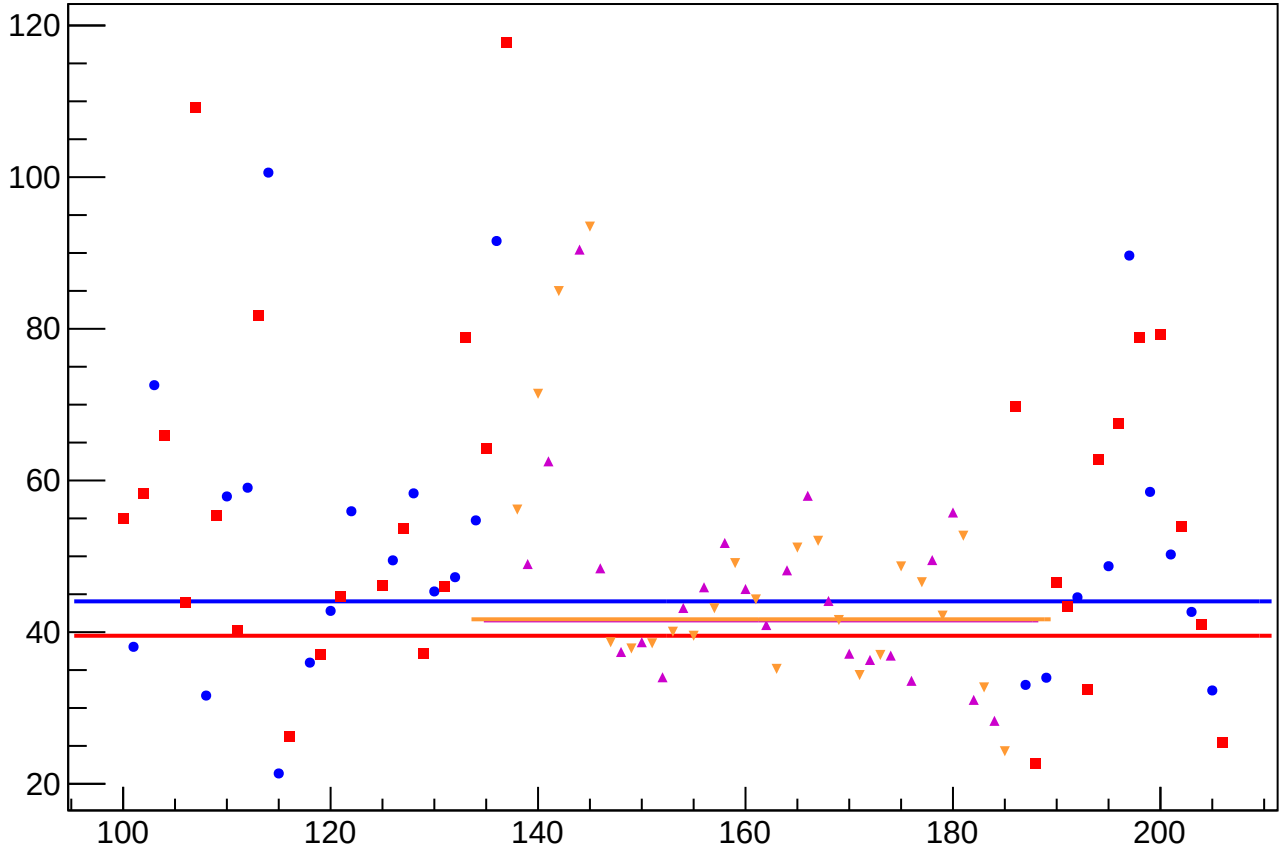
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.006+/-0.008 χ^2/NDF: 57.0/48

All: 0.000+/-0.006 χ^2/NDF: 125.3/101

- sign 0.006+/-0.008 χ^2/NDF: 67.2/52

asym_usl_dit_vs_cor_diff_rms vs Slug



Right In: 44.061+/-0.009 χ^2/NDF: 2067937.3/24

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

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

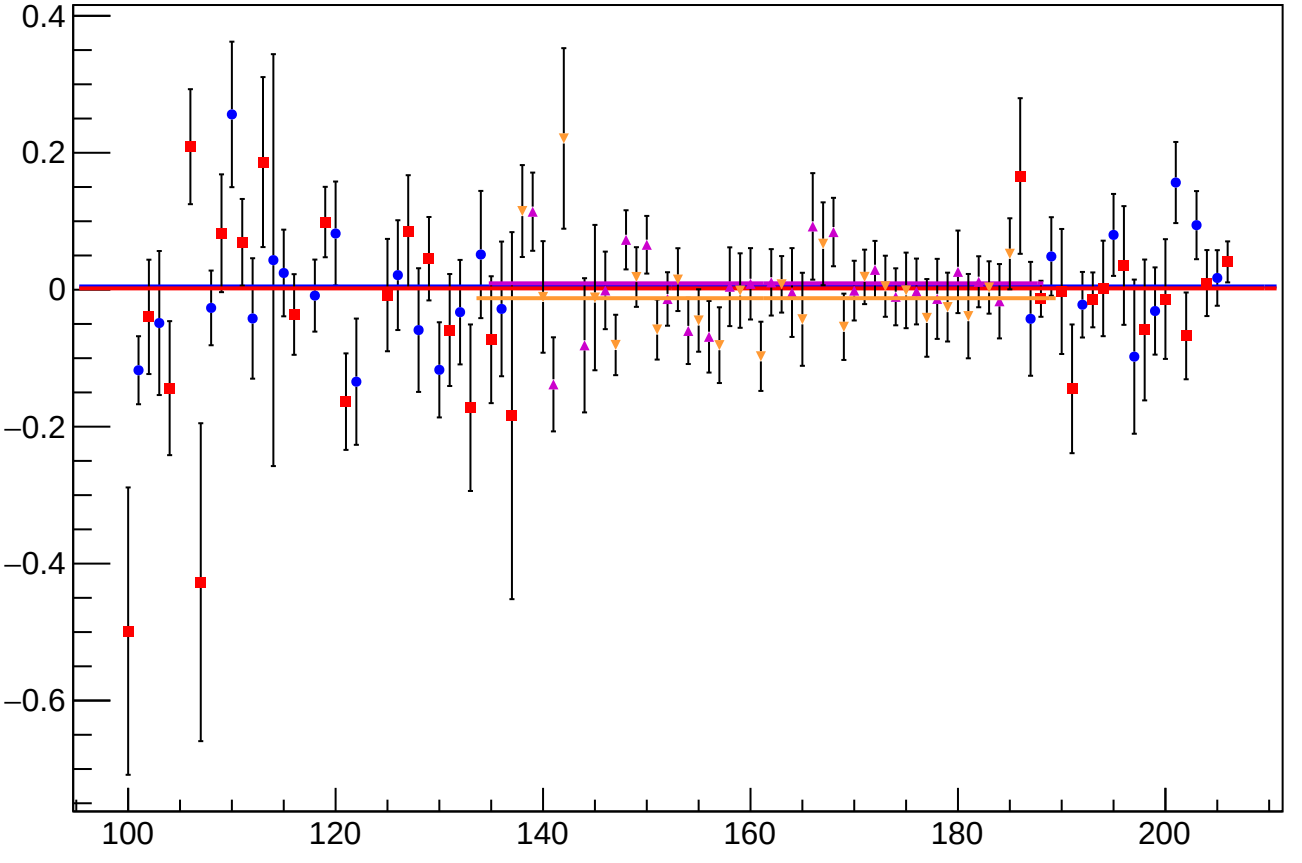
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.600+/-0.006 χ^2/NDF: 3928636.1/48

All: 41.565+/-0.004 χ^2/NDF: 9818618.1/101

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

asym_usl_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.013 χ^2/NDF: 34.1/24

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

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

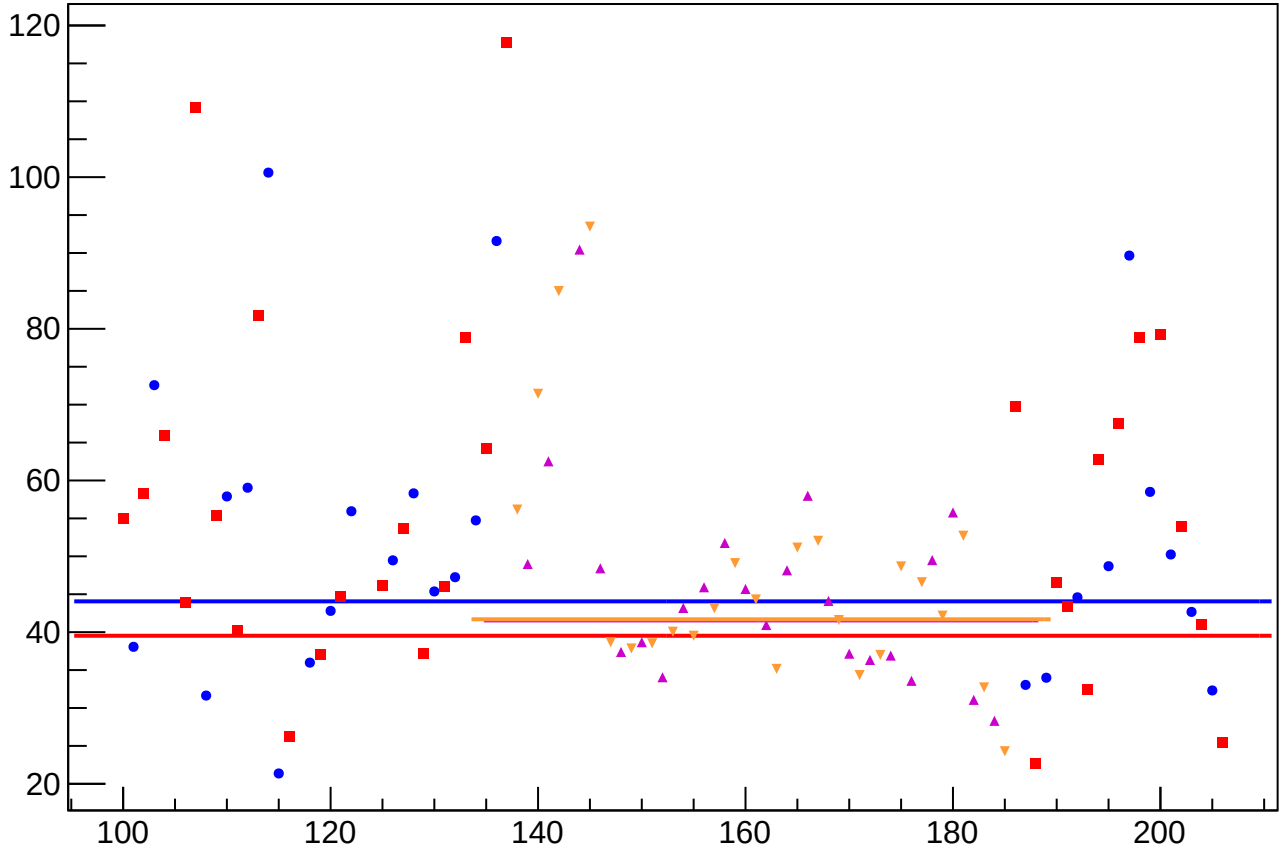
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.006+/-0.008 χ^2/NDF: 57.0/48

All: 0.000+/-0.006 χ^2/NDF: 125.3/101

- sign 0.006+/-0.008 χ^2/NDF: 67.2/52

asym_usl_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.061+/-0.009 χ^2/NDF: 2067937.3/24

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

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

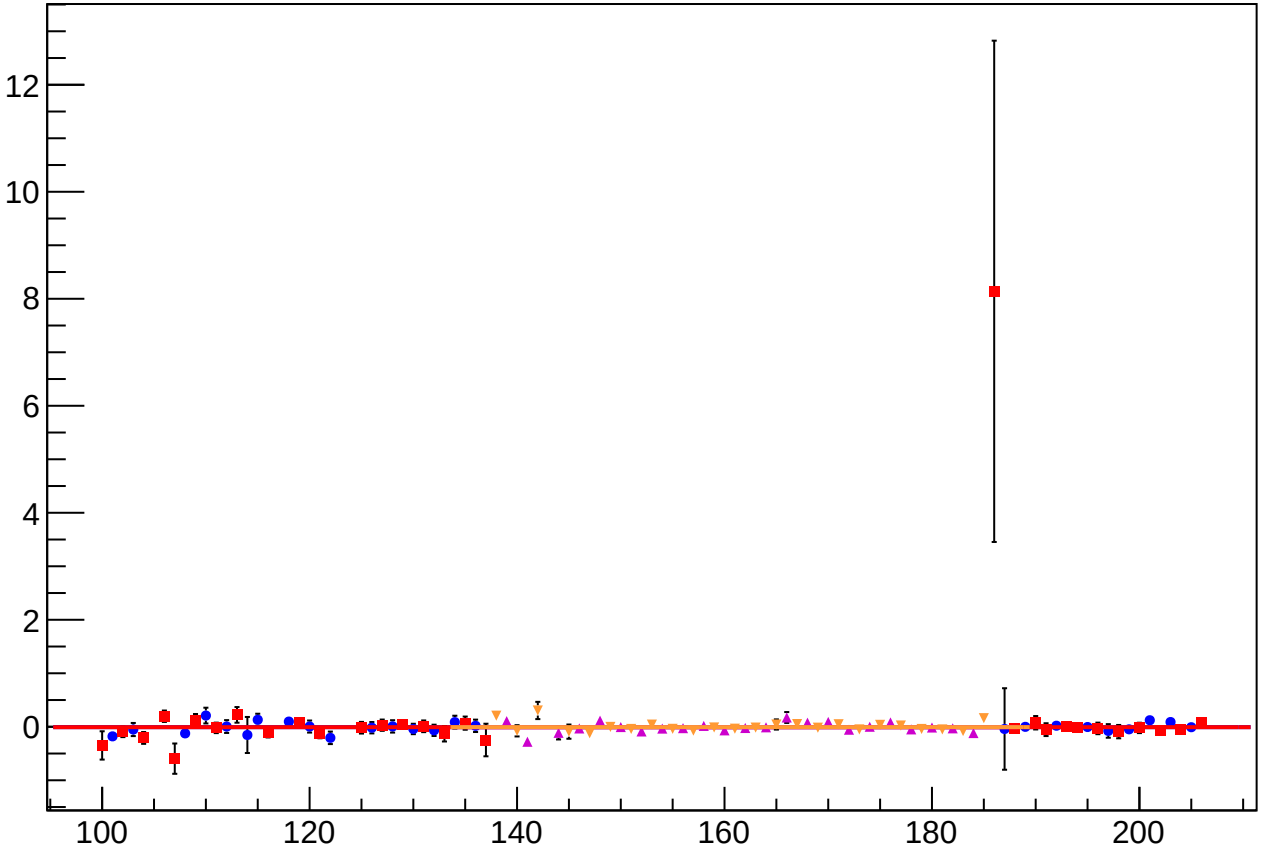
Left In: 41.550+/-0.007 χ^2/NDF:1612979.7/22

+ sign 42.600+/-0.006 χ^2/NDF: 3928636.1/48

All: 41.565+/-0.004 χ^2/NDF: 9818618.1/101

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

asym_usl_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.007+/-0.019 χ^2/NDF: 24.4/24

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

Right Out: -0.008+/-0.017 χ^2/NDF: 32.2/29

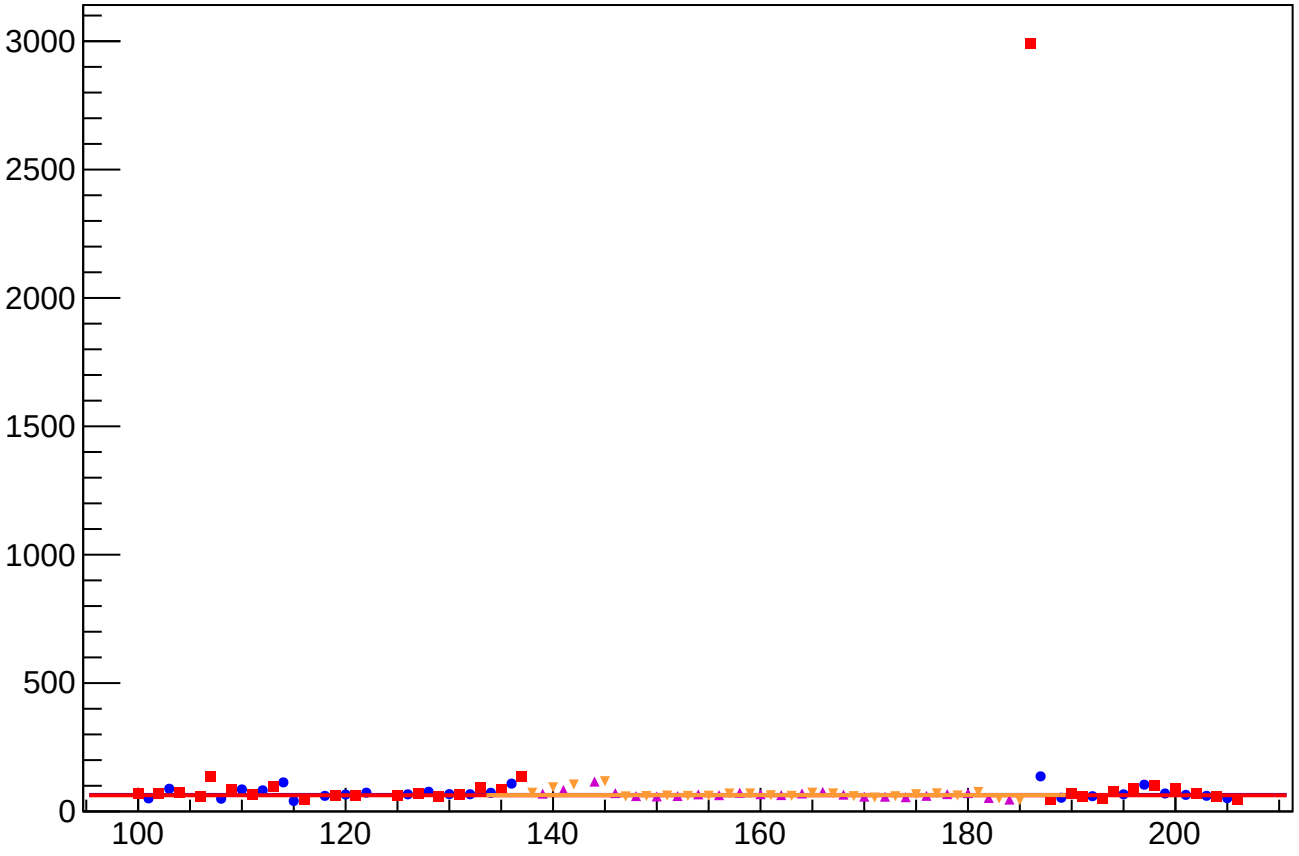
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.007+/-0.012 χ^2/NDF: 48.1/48

All: -0.007+/-0.008 χ^2/NDF: 108.5/101

- sign -0.008+/-0.011 χ^2/NDF: 60.4/52

asym_usl_dit_vs_overload_cor_diff_rms vs Slug



Right In: 64.354+/-0.013 χ^2/NDF: 1148300.3/24

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

Right Out: 63.022+/-0.012 χ^2/NDF: 2552126.7/29

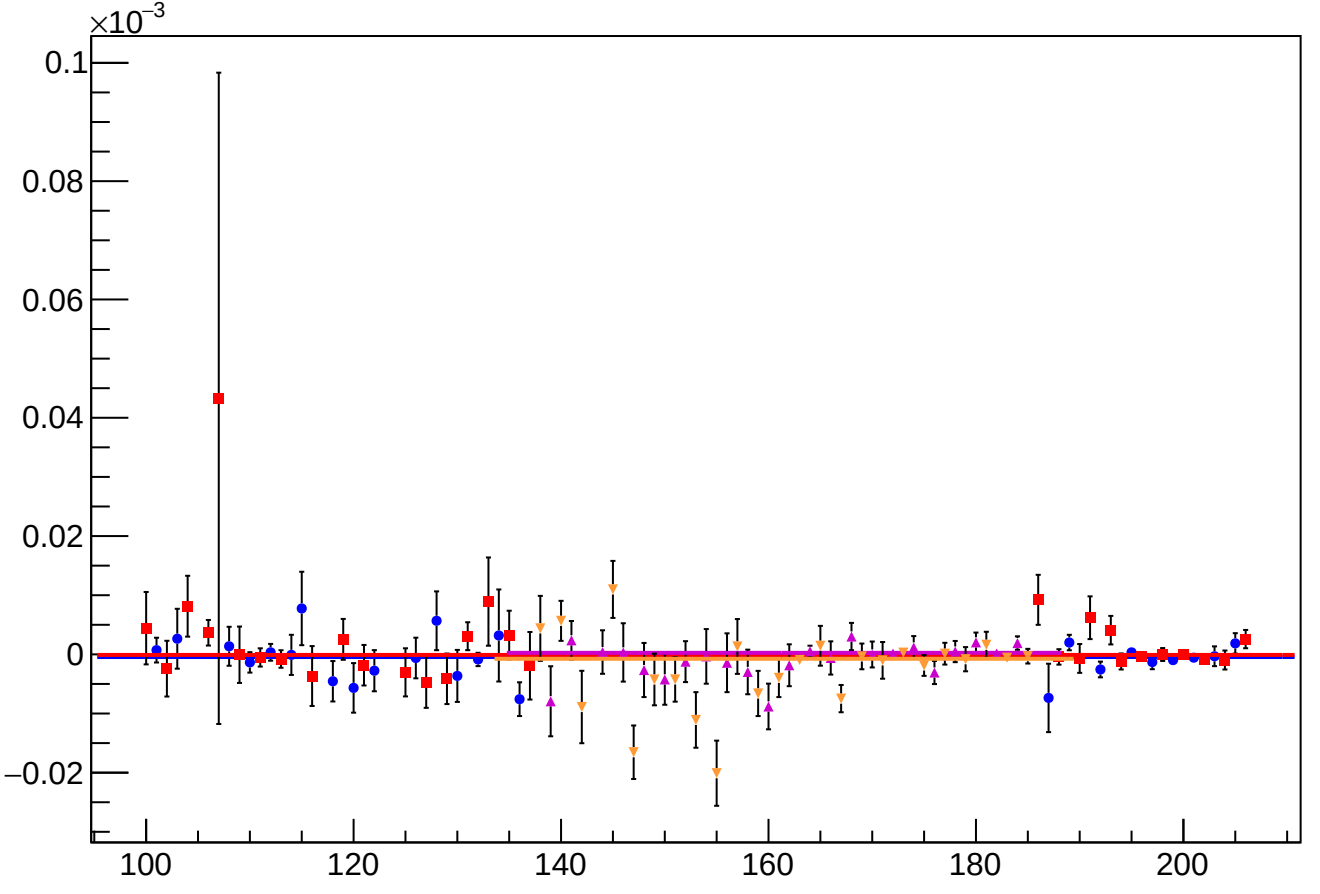
Left In: 64.036+/-0.011 χ^2/NDF:838789.3/22

+ sign 64.014+/-0.008 χ^2/NDF: 2228263.9/48

All: 63.790+/-0.006 χ^2/NDF: 5624416.6/101

- sign 63.580+/-0.008 χ^2/NDF: 3394768.9/52

asym_usl_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:60.0/23

Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/29

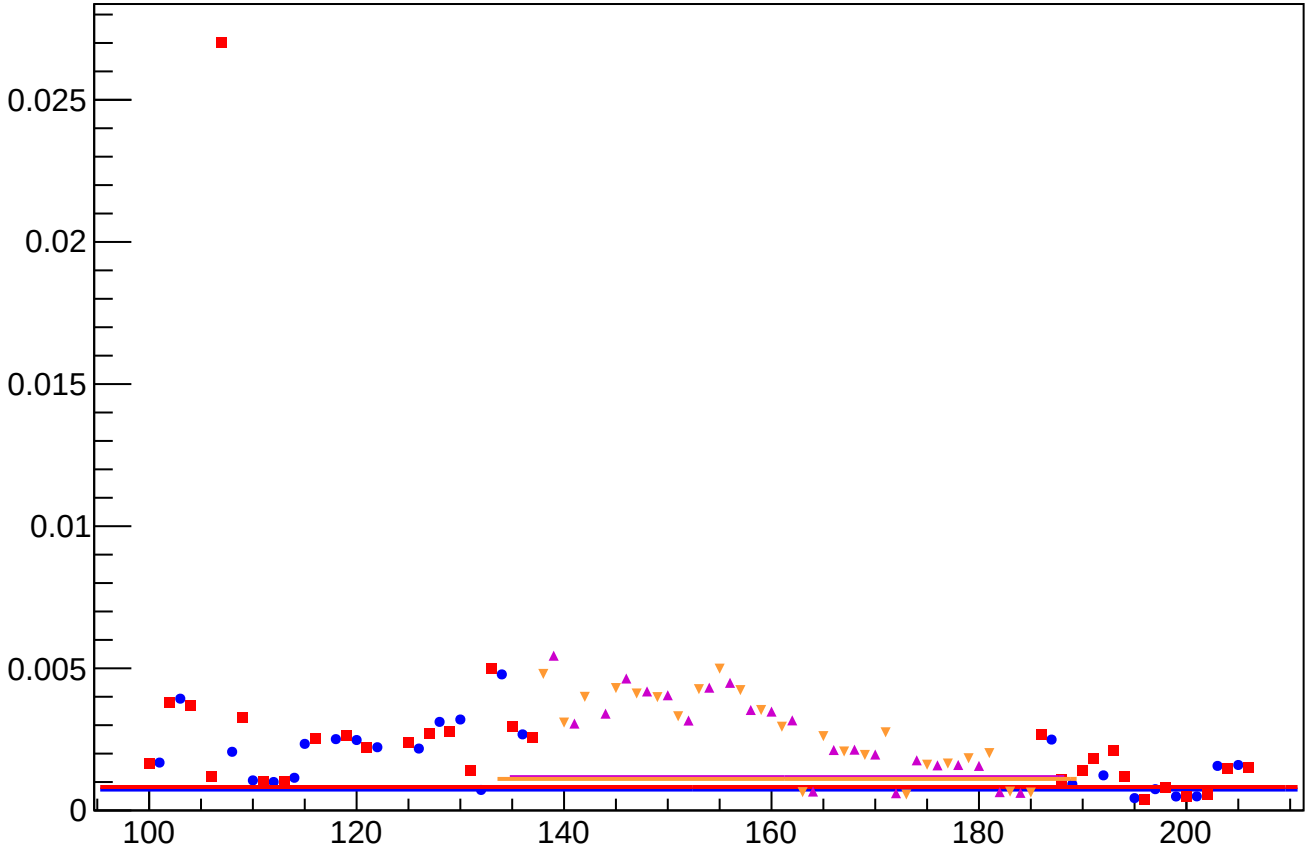
Left In: 0.000+/-0.000 χ^2/NDF:18.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 89.1/48

All: -0.000+/-0.000 χ^2/NDF: 144.1/101

- sign 0.000+/-0.000 χ^2/NDF: 51.1/52

asym_usl_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9015091.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:15160045.8/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10566712.2/29

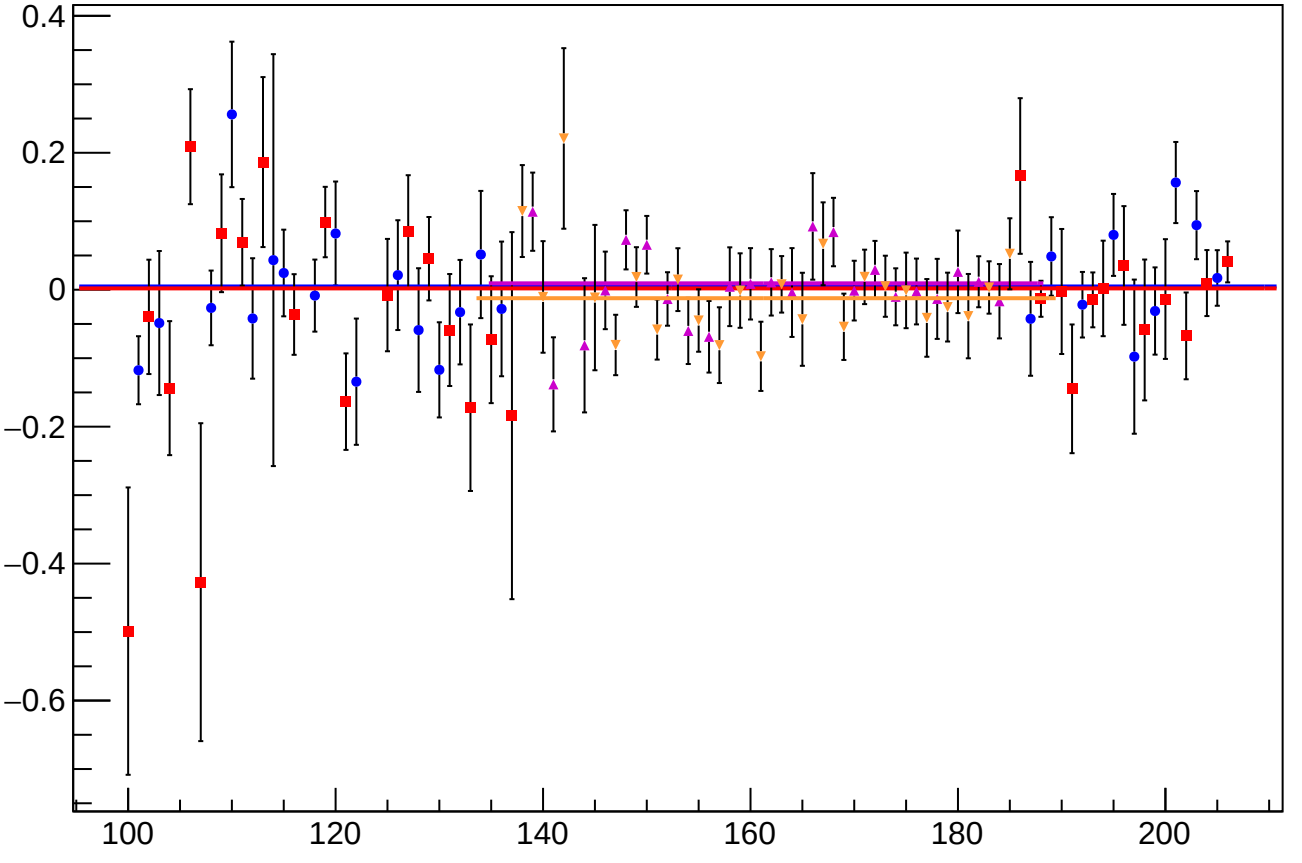
Left In: 0.001+/-0.000 χ^2/NDF:14252589.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 25741692.2/48

All: 0.001+/-0.000 χ^2/NDF: 51930161.8/101

- sign 0.001+/-0.000 χ^2/NDF: 26025525.7/52

asym_usl_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.013 χ^2/NDF: 34.1/24

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

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

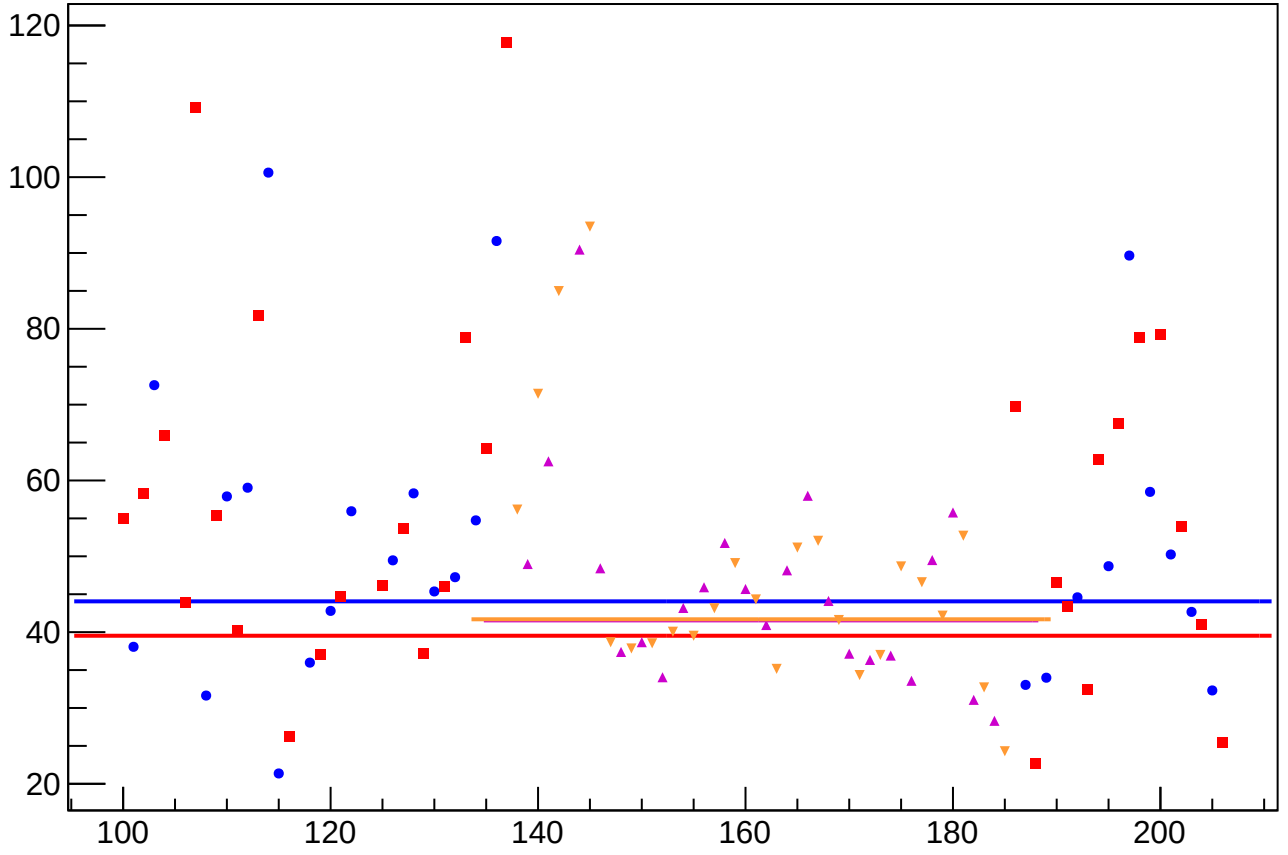
Left In: 0.009+/-0.010 χ^2/NDF:21.9/22

+ sign -0.006+/-0.008 χ^2/NDF: 57.0/48

All: 0.000+/-0.006 χ^2/NDF: 125.3/101

- sign 0.006+/-0.008 χ^2/NDF: 67.2/52

asym_usl_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 44.061+/-0.009 χ^2/NDF: 2067991.6/24

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

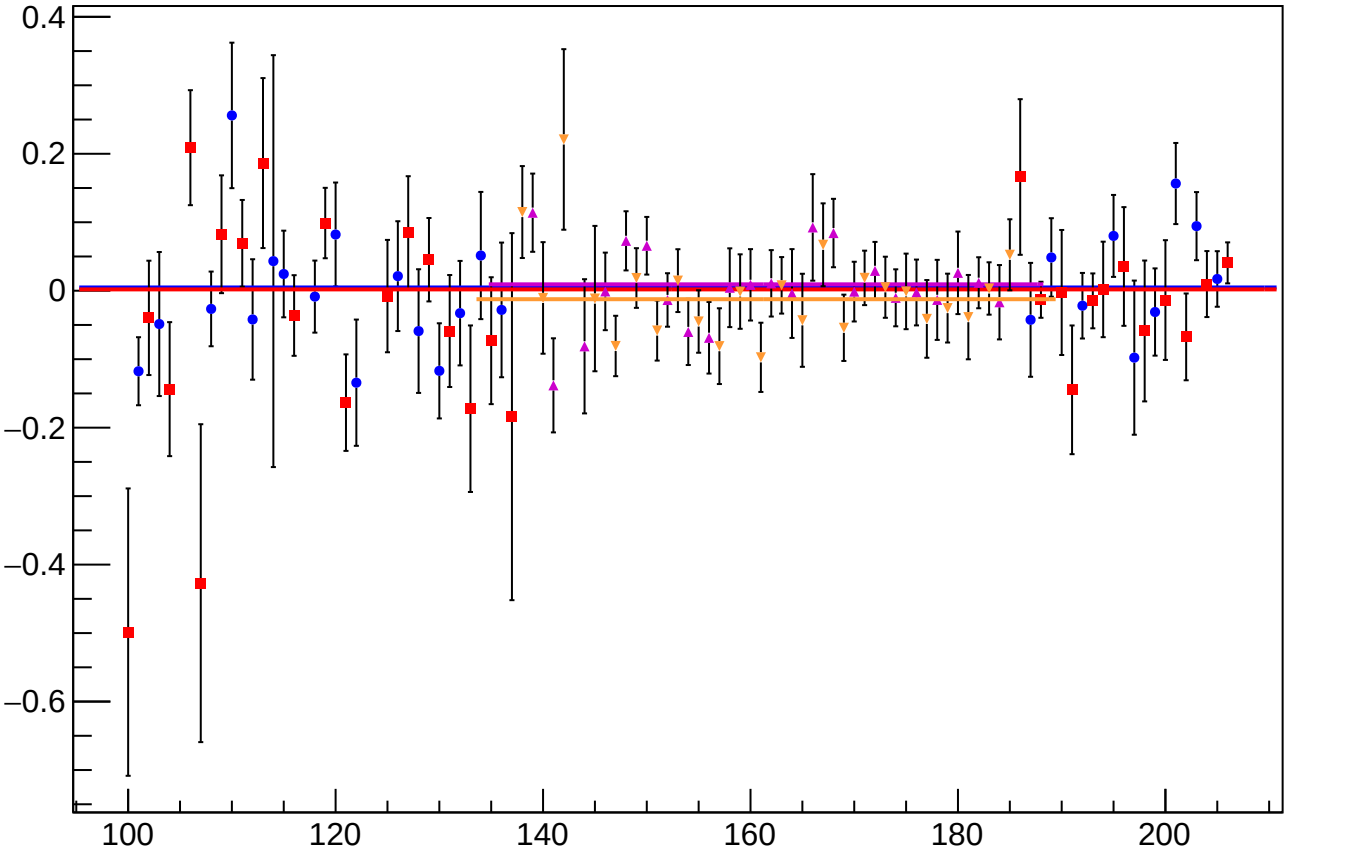
Right Out: 39.525+/-0.008 χ^2/NDF: 4183874.0/29

Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

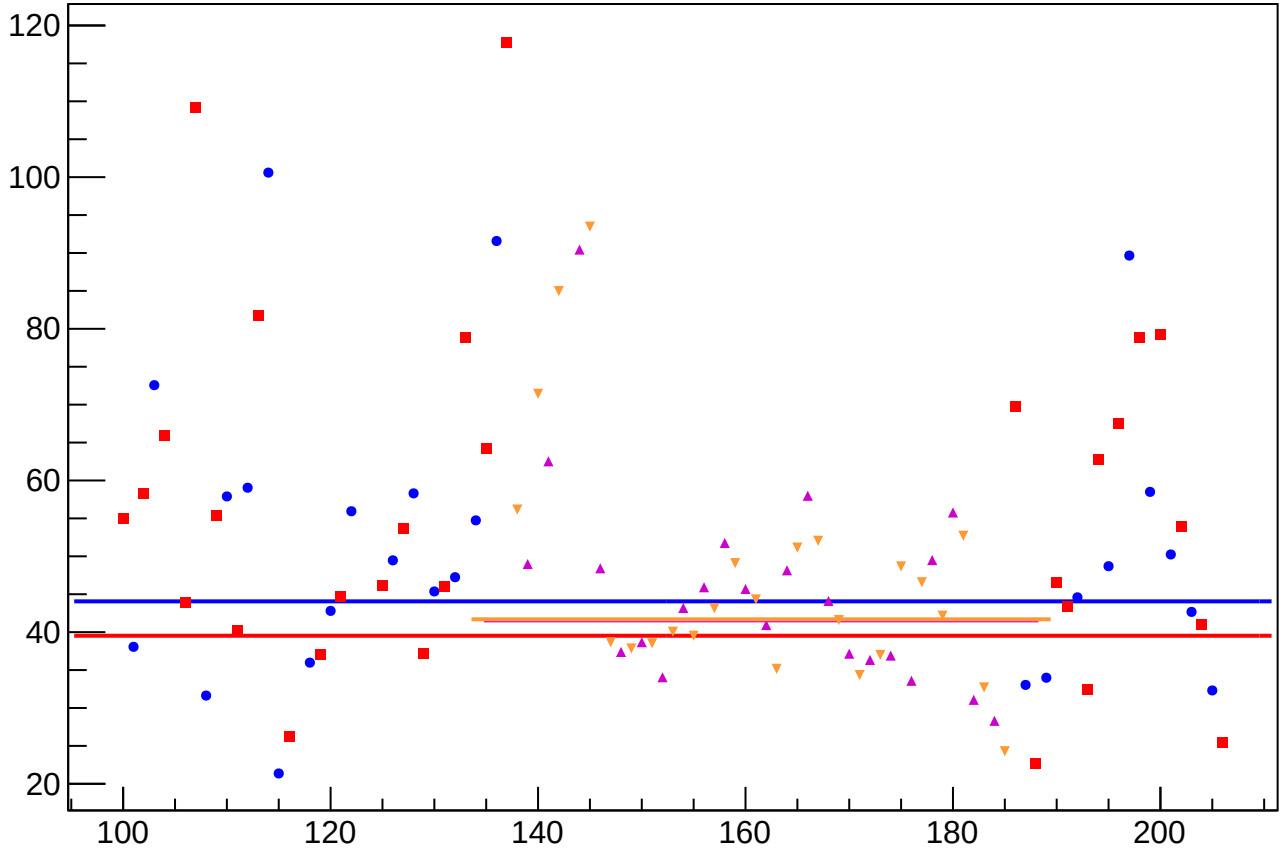
+ sign 42.599+/-0.006 χ^2/NDF: 3928636.4/48

All: 41.565+/-0.004 χ^2/NDF: 9818482.3/101

- sign 40.643+/-0.006 χ^2/NDF: 5830303.7/52


asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.005+/-0.013 χ²/NDF: 34.1/24
Left Out: -0.012+/-0.010 χ²/NDF:21.9/23
Right Out: 0.002+/-0.012 χ²/NDF: 45.0/29
Left In: 0.009+/-0.010 χ²/NDF:21.9/22
+ sign -0.006+/-0.008 χ²/NDF: 57.0/48
All: 0.000+/-0.006 χ²/NDF: 125.3/101
- sign 0.006+/-0.008 χ²/NDF: 67.2/52

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 44.061+/-0.009 χ^2/NDF: 2067991.6/24

Left Out: 41.695+/-0.007 χ^2/NDF:1821753.6/23

Right Out: 39.525+/-0.008 χ^2/NDF: 4183874.0/29

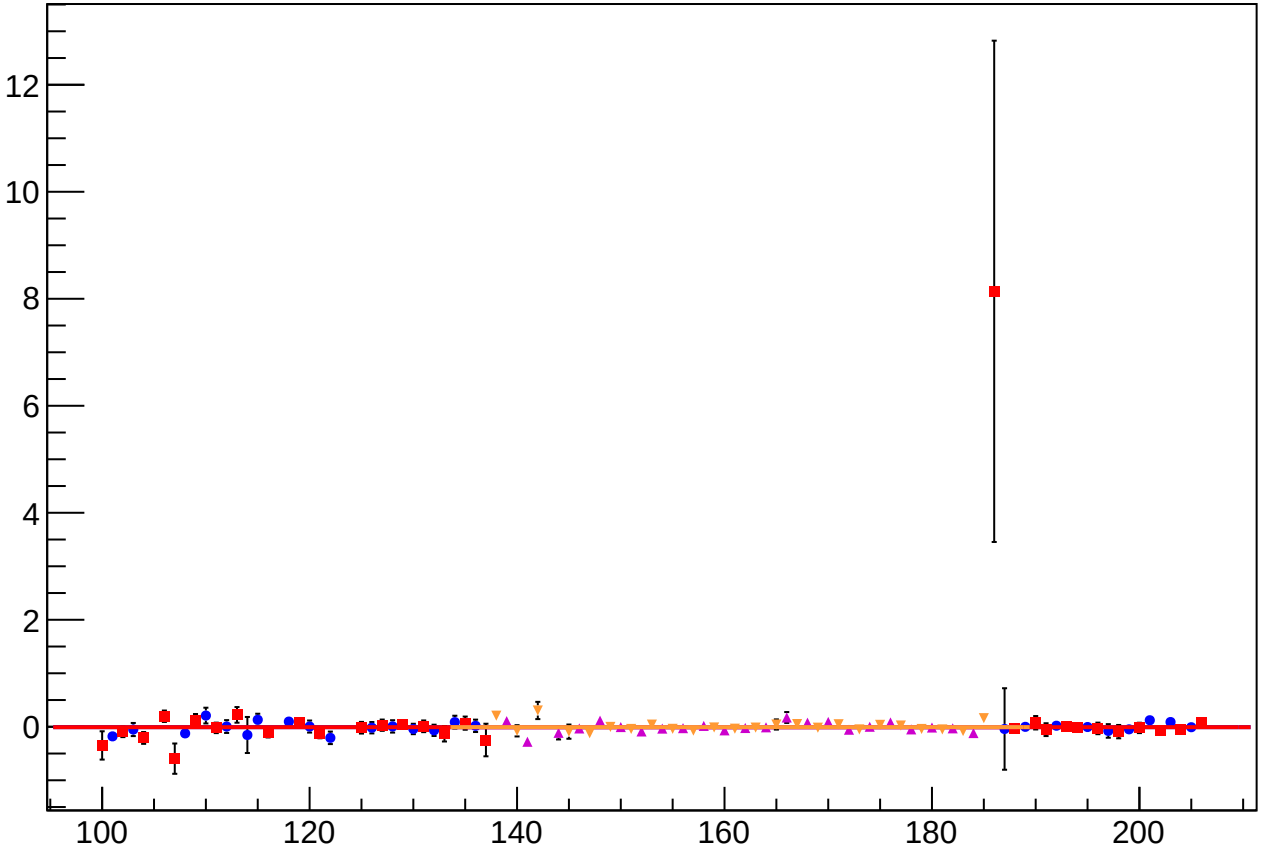
Left In: 41.551+/-0.007 χ^2/NDF:1612941.1/22

+ sign 42.599+/-0.006 χ^2/NDF: 3928636.4/48

All: 41.565+/-0.004 χ^2/NDF: 9818482.3/101

- sign 40.643+/-0.006 χ^2/NDF: 5830303.7/52

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: -0.007+/-0.019 χ^2/NDF: 24.4/24

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

Right Out: -0.008+/-0.017 χ^2/NDF: 32.2/29

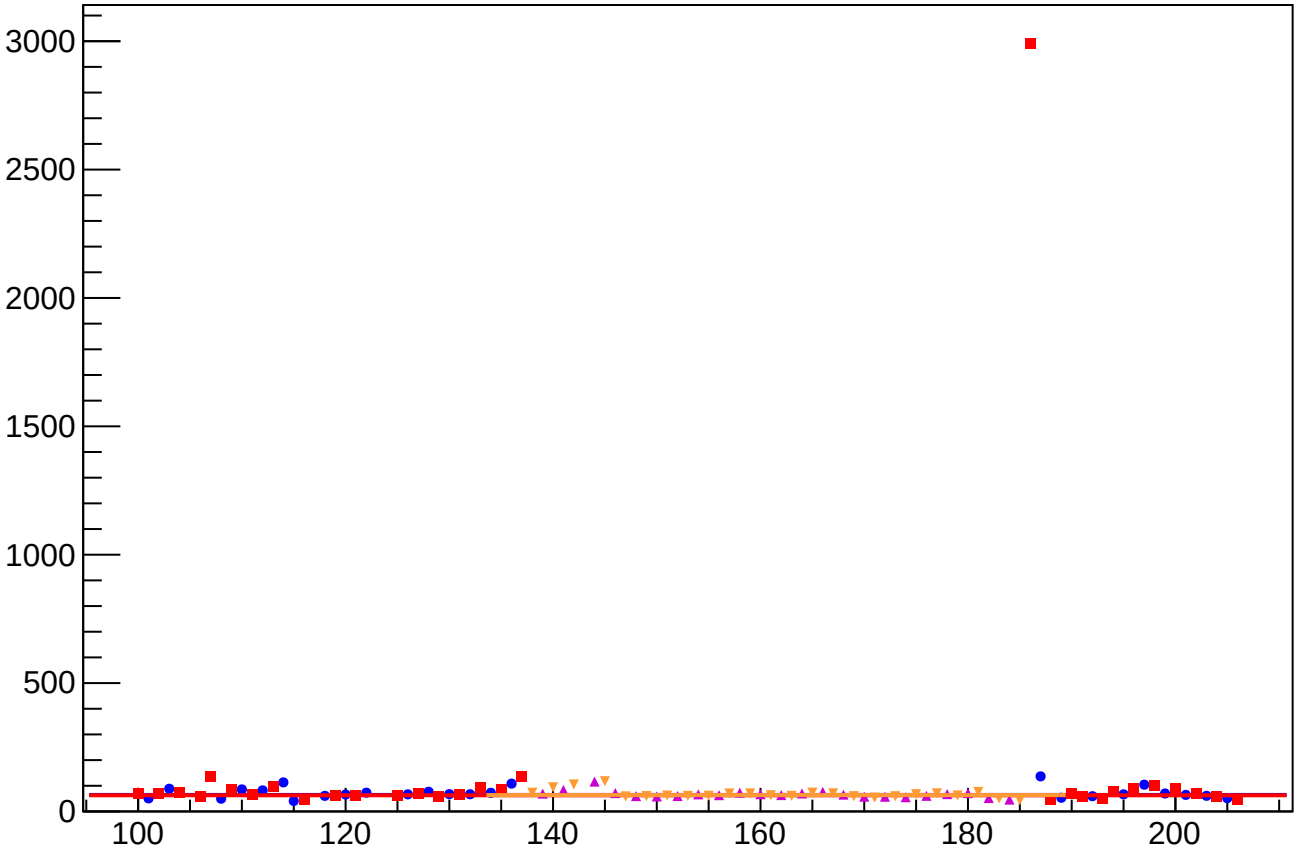
Left In: -0.008+/-0.015 χ^2/NDF:28.1/22

+ sign -0.007+/-0.012 χ^2/NDF: 48.1/48

All: -0.007+/-0.008 χ^2/NDF: 108.5/101

- sign -0.008+/-0.011 χ^2/NDF: 60.4/52

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 64.354+/-0.013 χ^2/NDF: 1148308.6/24

Left Out: 63.779+/-0.011 χ^2/NDF:1078810.5/23

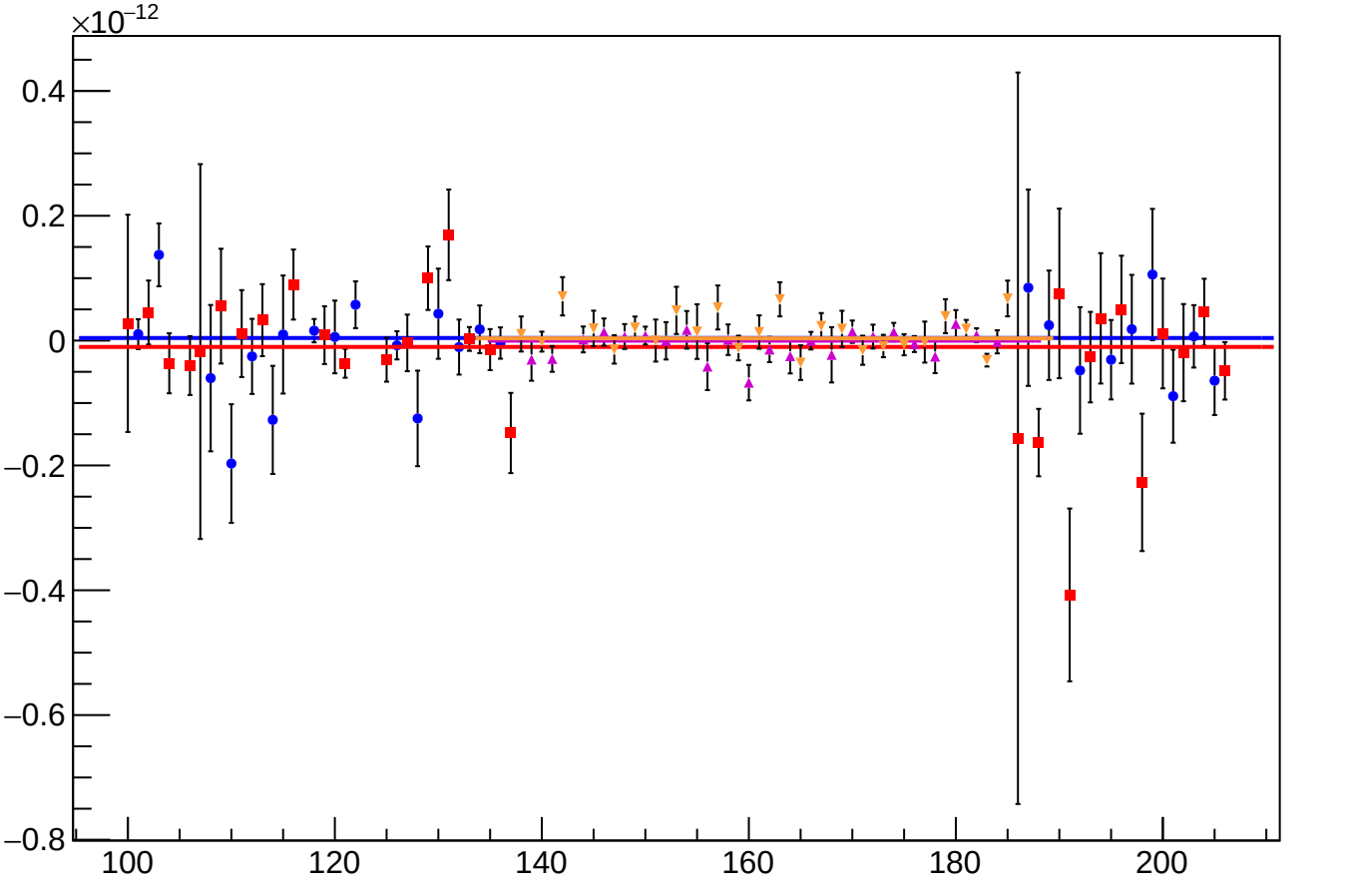
Right Out: 63.022+/-0.012 χ^2/NDF: 2552099.9/29

Left In: 64.036+/-0.011 χ^2/NDF:838784.5/22

+ sign 64.014+/-0.008 χ^2/NDF: 2228258.4/48

All: 63.790+/-0.006 χ^2/NDF: 5624382.3/101

- sign 63.580+/-0.008 χ^2/NDF: 3394740.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 25.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:40.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 47.1/29

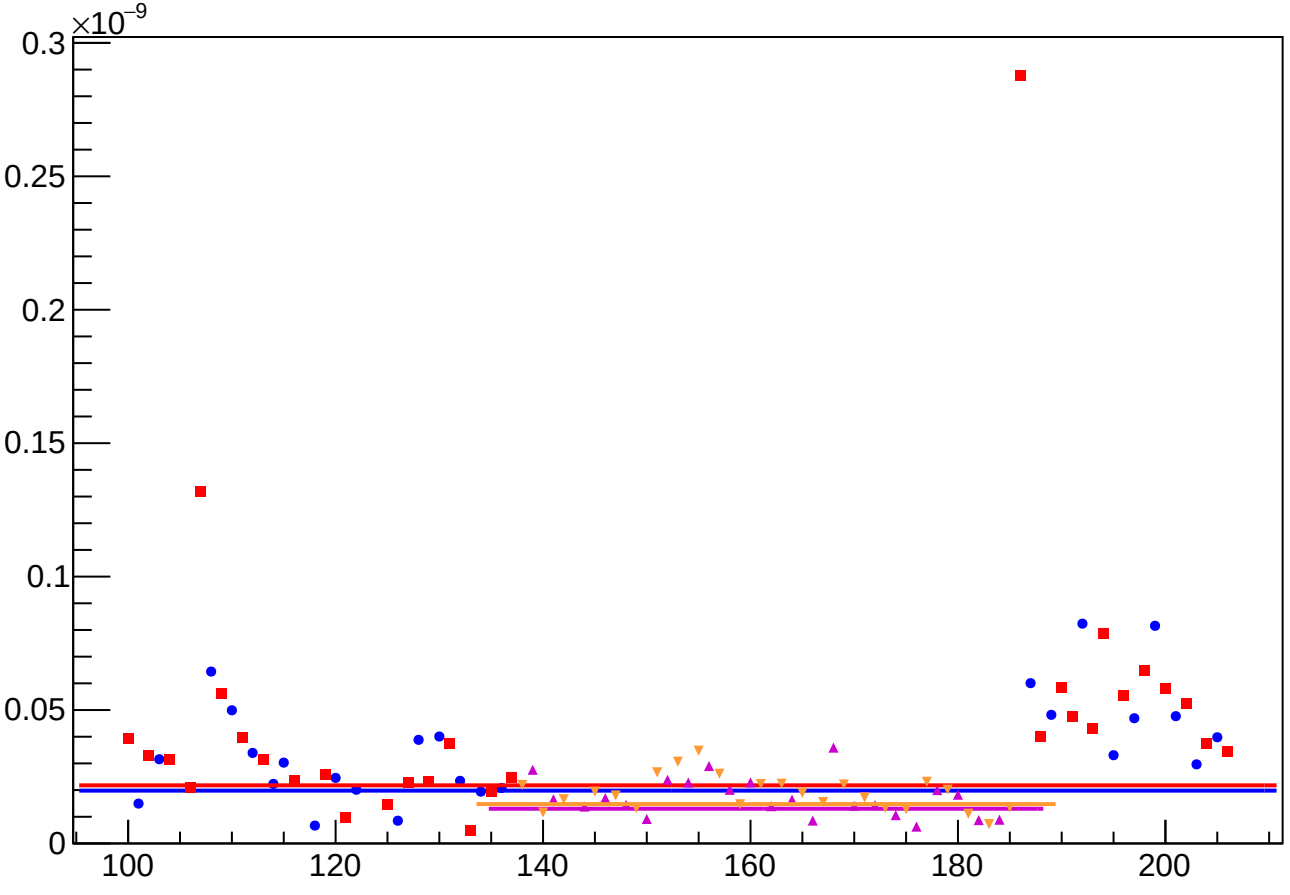
Left In: -0.000+/-0.000 χ^2/NDF:17.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.1/48

All: 0.000+/-0.000 χ^2/NDF: 132.4/101

- sign -0.000+/-0.000 χ^2/NDF: 65.3/52

asym_usl_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5303085.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3531388.4/23

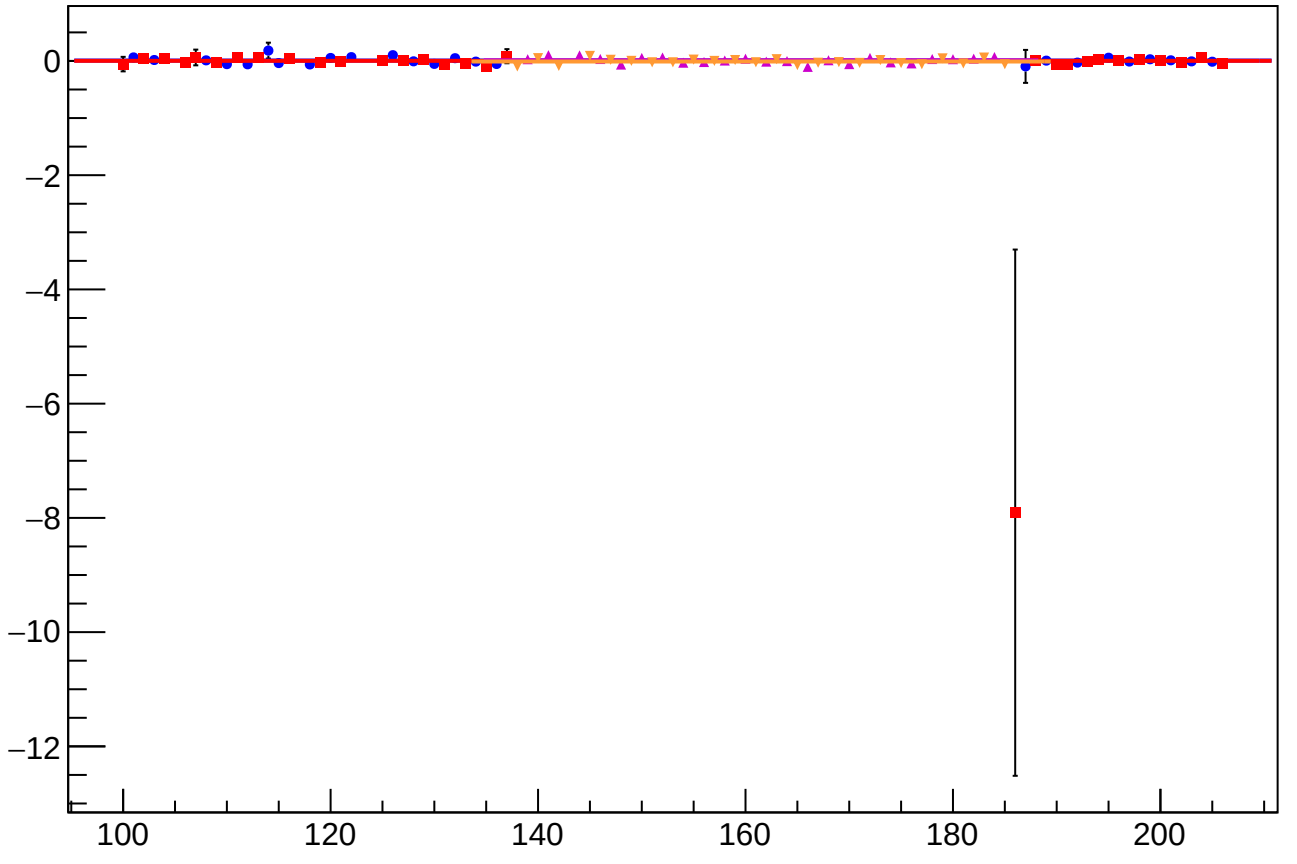
Right Out: 0.000+/-0.000 χ^2/NDF: 6448676.3/29

Left In: 0.000+/-0.000 χ^2/NDF:3925910.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 9379563.2/48

All: 0.000+/-0.000 χ^2/NDF: 21456081.0/101

- sign 0.000+/-0.000 χ^2/NDF: 11961150.4/52



Right In: 0.007+/-0.009 χ^2/NDF: 19.2/24

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.002+/-0.008 χ^2/NDF: 24.4/29

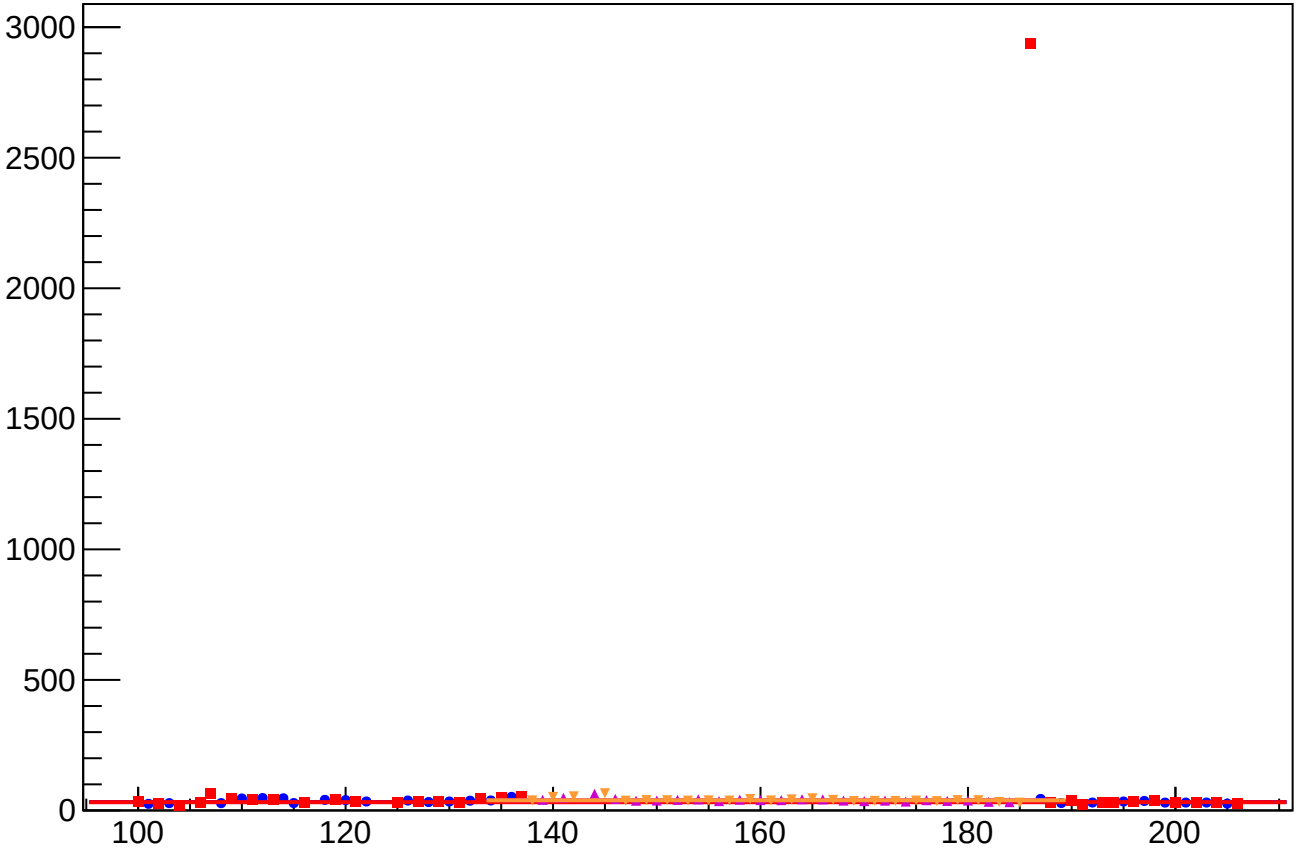
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.001+/-0.007 χ^2/NDF: 40.3/48

All: 0.003+/-0.005 χ^2/NDF: 89.0/101

- sign 0.006+/-0.006 χ^2/NDF: 48.1/52

asym_usl_overload_cor_vs_cor_diff_rms vs Slug



Right In: 32.155+/-0.006 χ^2/NDF: 834059.3/24

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

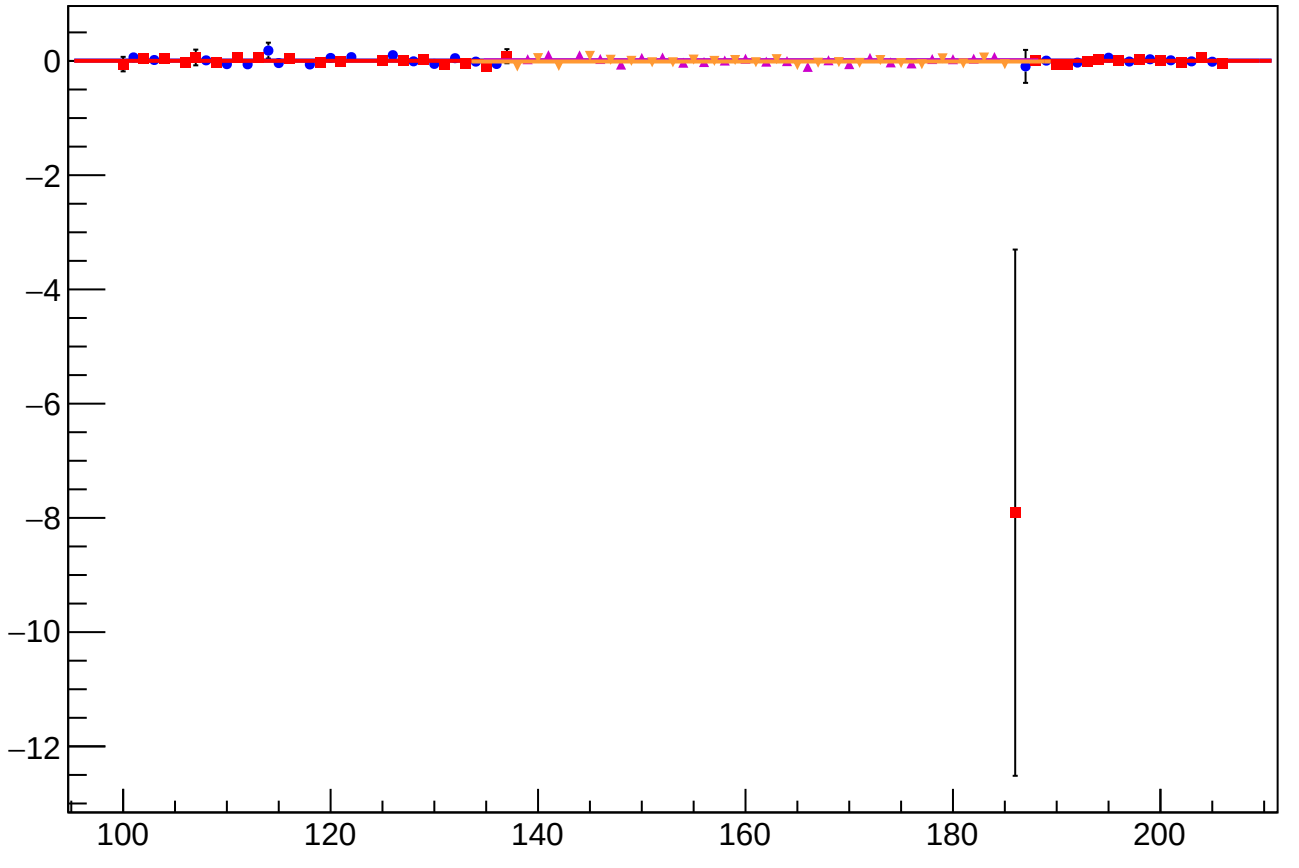
Right Out: 31.755+/-0.006 χ^2/NDF: 1959363.4/29

Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 35.455+/-0.005 χ^2/NDF: 1994042.7/48

All: 35.234+/-0.003 χ^2/NDF: 5153601.8/101

- sign 35.030+/-0.004 χ^2/NDF: 3155244.2/52



Right In: 0.007+/-0.009 χ^2/NDF: 19.2/24

Left Out: -0.010+/-0.009 χ^2/NDF:19.4/23

Right Out: 0.002+/-0.008 χ^2/NDF: 24.4/29

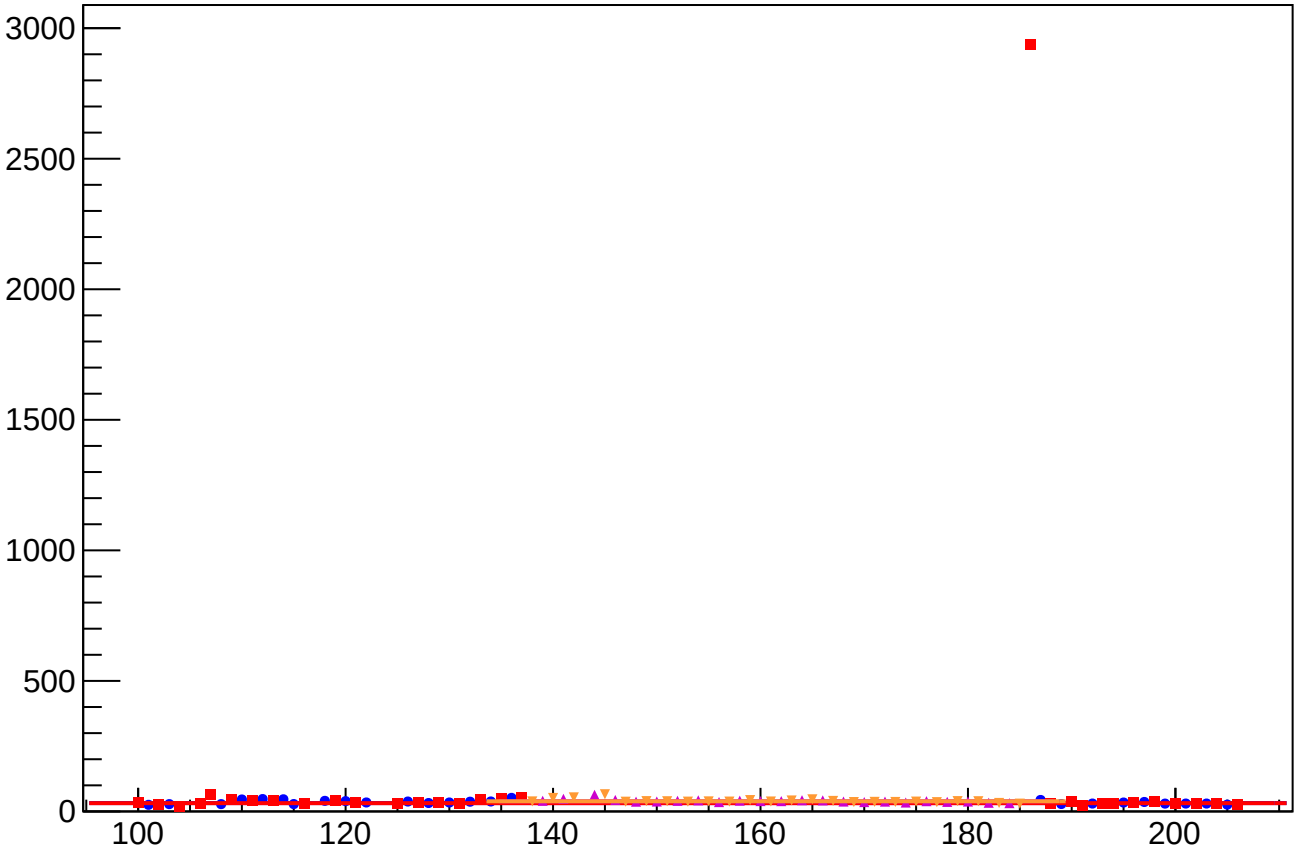
Left In: 0.011+/-0.010 χ^2/NDF:23.3/22

+ sign -0.001+/-0.007 χ^2/NDF: 40.3/48

All: 0.003+/-0.005 χ^2/NDF: 89.0/101

- sign 0.006+/-0.006 χ^2/NDF: 48.1/52

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 32.155+/-0.006 χ^2/NDF: 834059.3/24

Left Out: 38.972+/-0.007 χ^2/NDF:624525.1/23

Right Out: 31.755+/-0.006 χ^2/NDF: 1959363.4/29

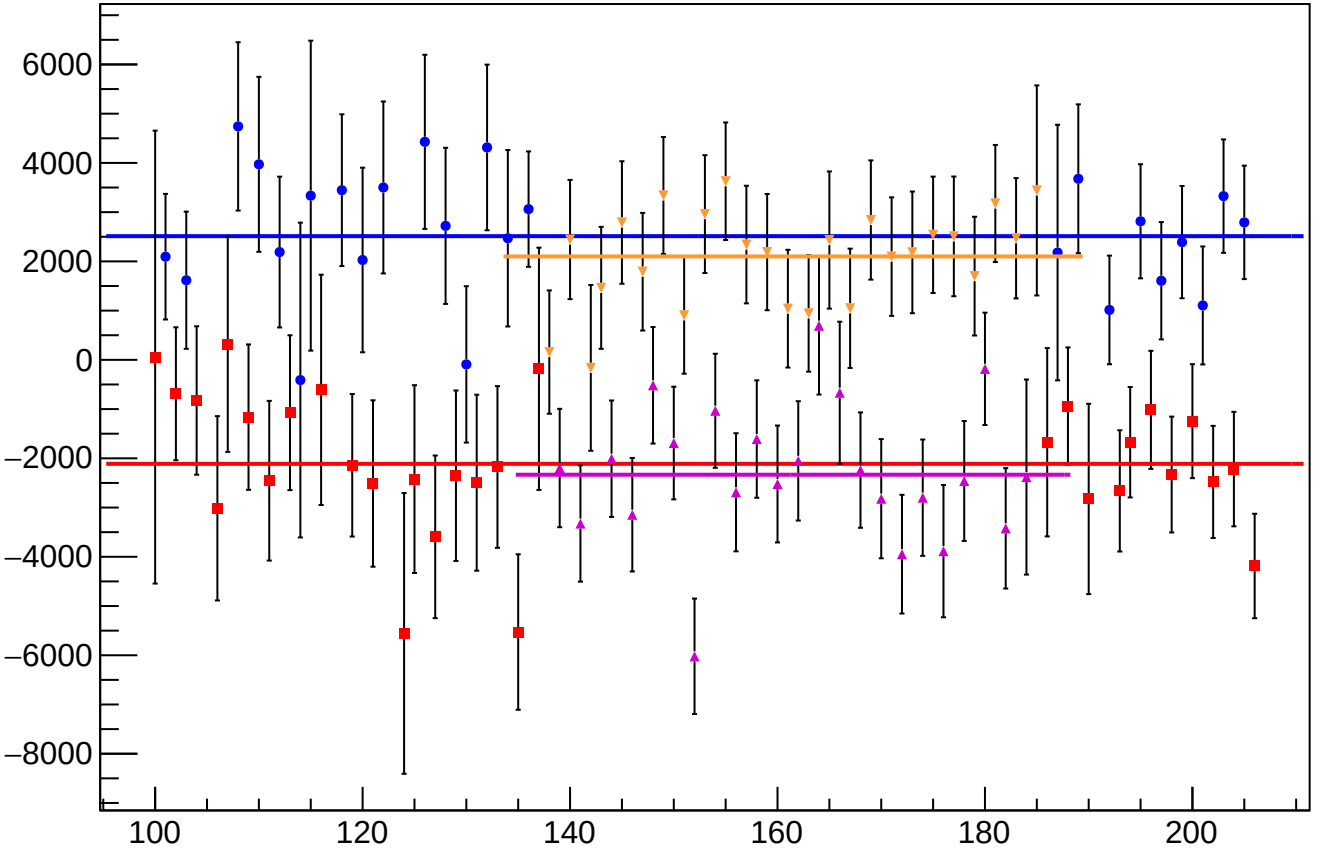
Left In: 39.179+/-0.007 χ^2/NDF:521827.1/22

+ sign 35.455+/-0.005 χ^2/NDF: 1994042.7/48

All: 35.234+/-0.003 χ^2/NDF: 5153601.8/101

- sign 35.030+/-0.004 χ^2/NDF: 3155244.2/52

reg_asym_usr_mean vs Slug



Right In: 2512.398+/-291.306 χ^2/NDF: 14.9/24

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2111.860+/-273.212 χ^2/NDF: 19.4/29

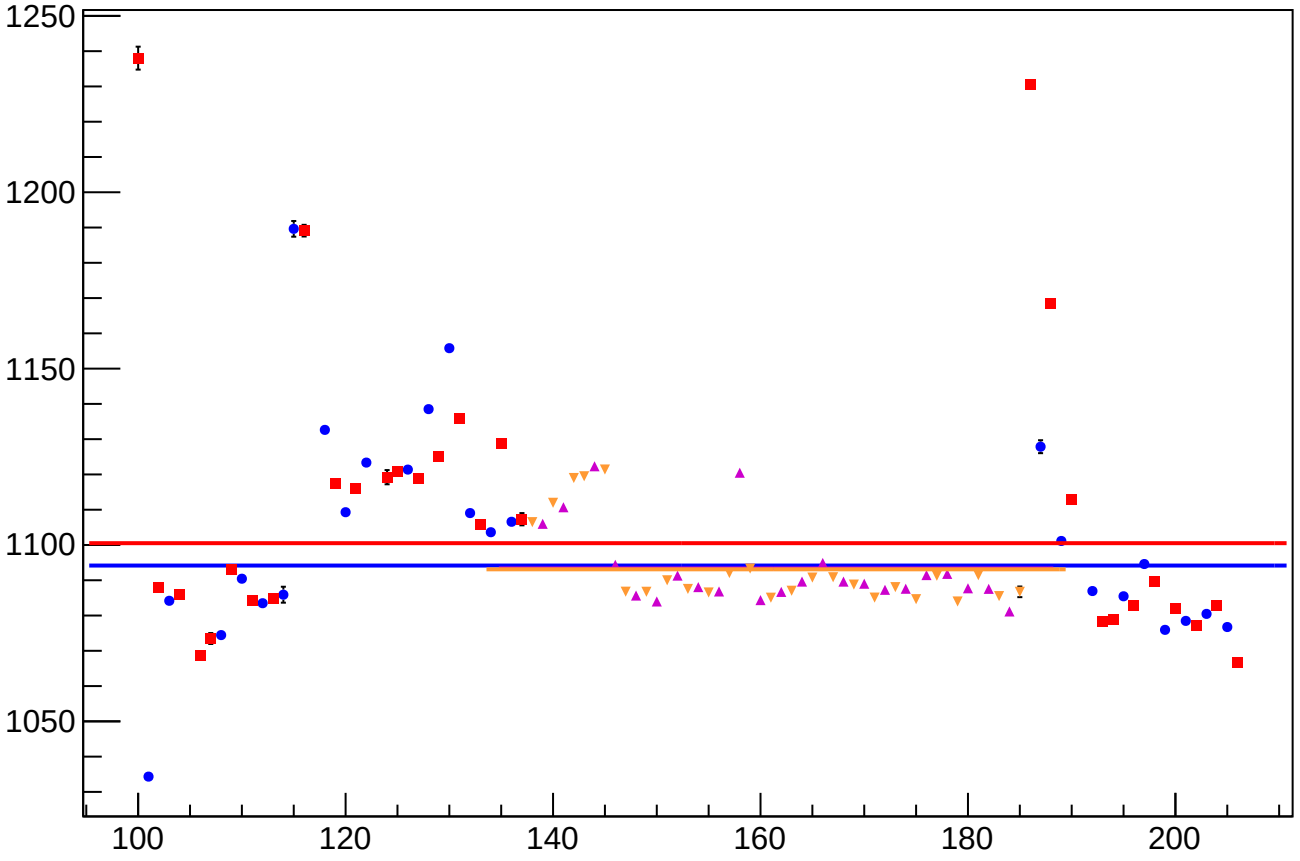
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2273.774+/-188.971 χ^2/NDF: 29.9/49

All: -7.350+/-132.751 χ^2/NDF: 366.8/102

- sign -2229.899+/-186.529 χ^2/NDF: 49.3/52

reg_asym_usr_rms vs Slug



Right In: 1094.171+/-0.206 χ^2/NDF: 16323.6/24

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1100.514+/-0.193 χ^2/NDF: 30888.6/29

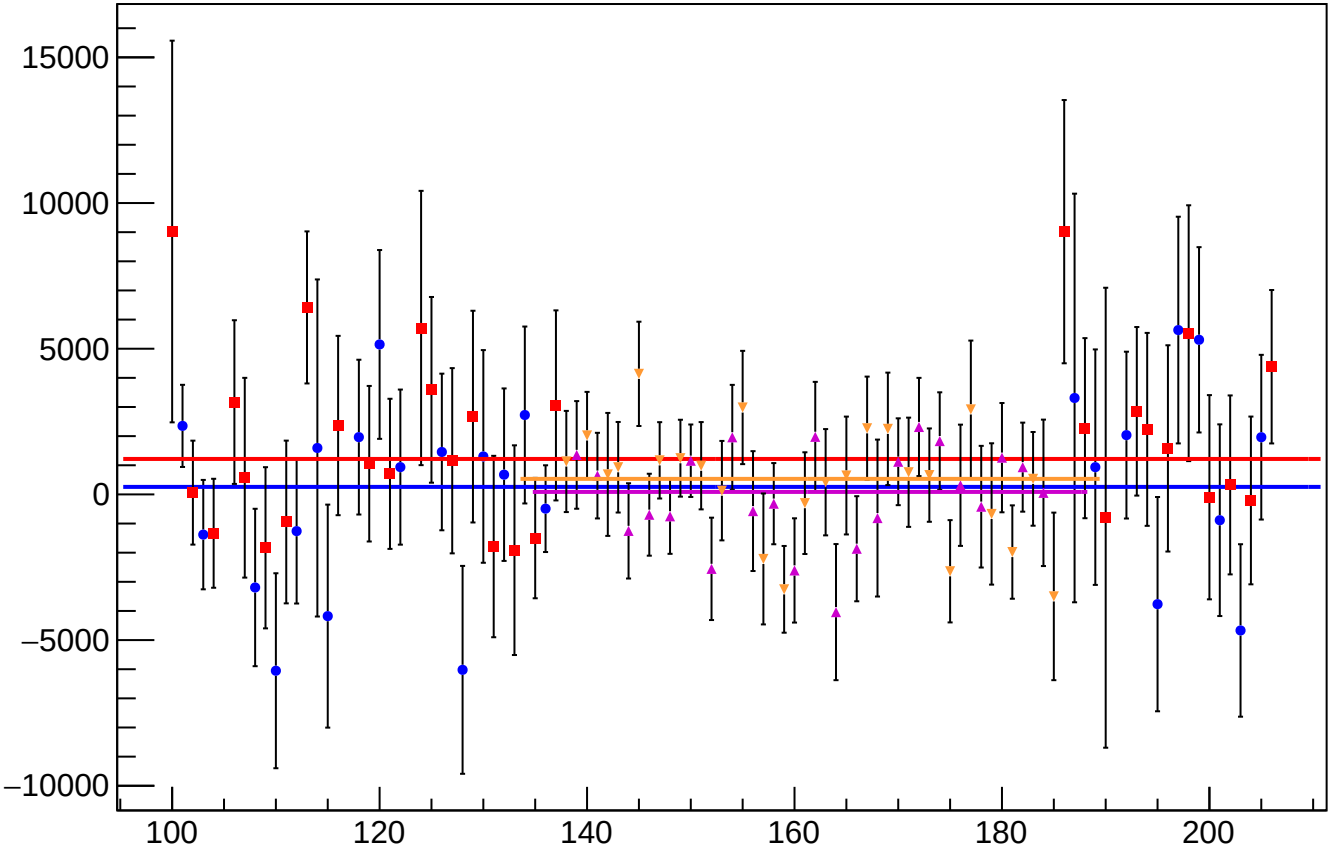
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1093.552+/-0.134 χ^2/NDF: 20322.4/49

All: 1095.138+/-0.094 χ^2/NDF: 55951.5/102

- sign 1096.683+/-0.132 χ^2/NDF: 35350.9/52

asym_usr_reg_correction_mean vs Slug



Right In: 257.611+/-542.982 χ^2/NDF: 26.5/24

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1216.966+/-540.011 χ^2/NDF: 22.0/29

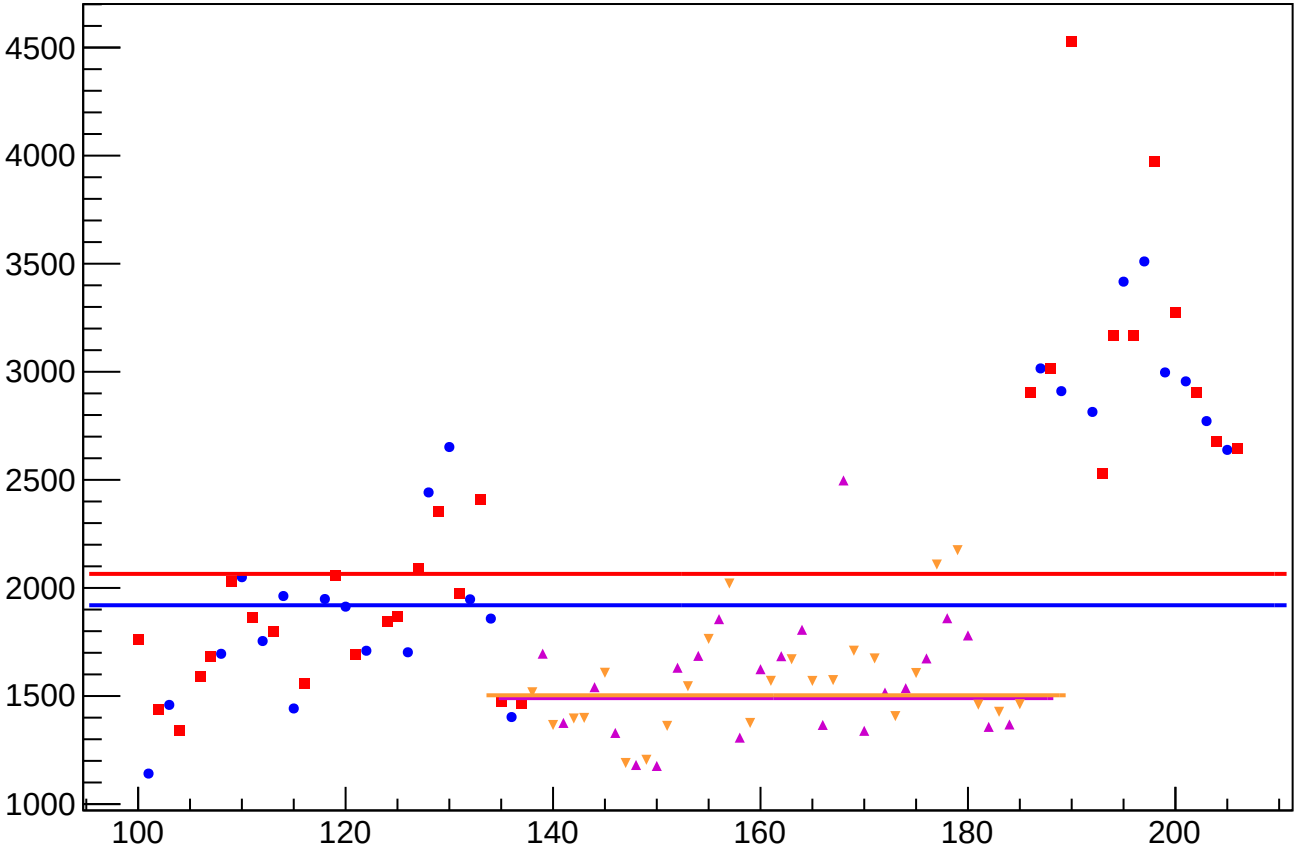
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 453.058+/-292.526 χ^2/NDF: 53.1/49

All: 439.381+/-208.071 χ^2/NDF: 96.3/102

\- sign 425.376+/-296.018 χ^2/NDF: 43.1/52

asym_usr_reg_correction_rms vs Slug



Right In: 1919.939+/-0.384 χ^2/NDF: 2932244.1/24

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

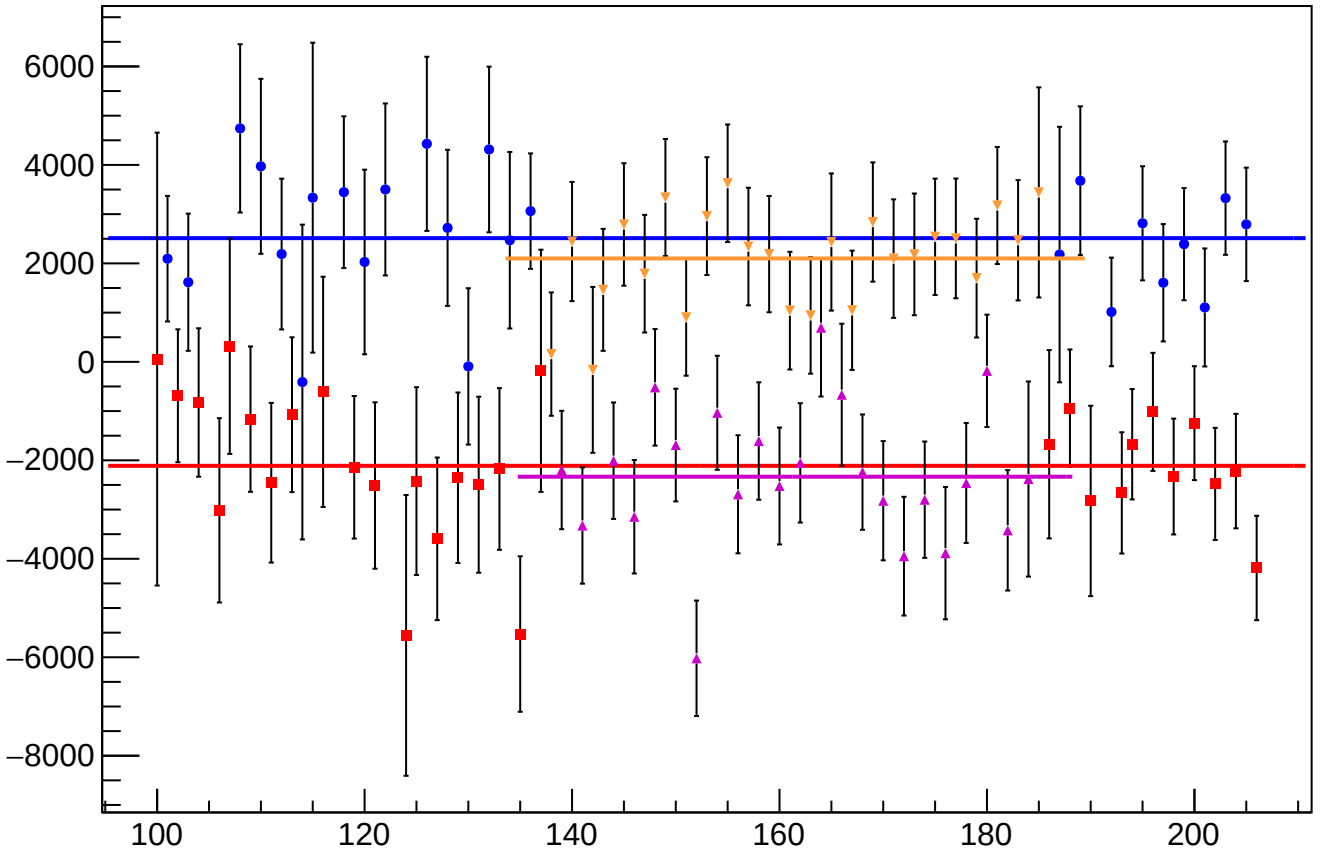
Right Out: 2065.009+/-0.382 χ^2/NDF: 2912594.2/29

Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1624.322+/-0.207 χ^2/NDF: 4567142.2/49

All: 1643.434+/-0.147 χ^2/NDF: 10049740.1/1

- sign 1663.005+/-0.209 χ^2/NDF: 5465318.7/52



Right In: 2512.398+/-291.306 χ^2/NDF: 14.9/24

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2111.860+/-273.212 χ^2/NDF: 19.4/29

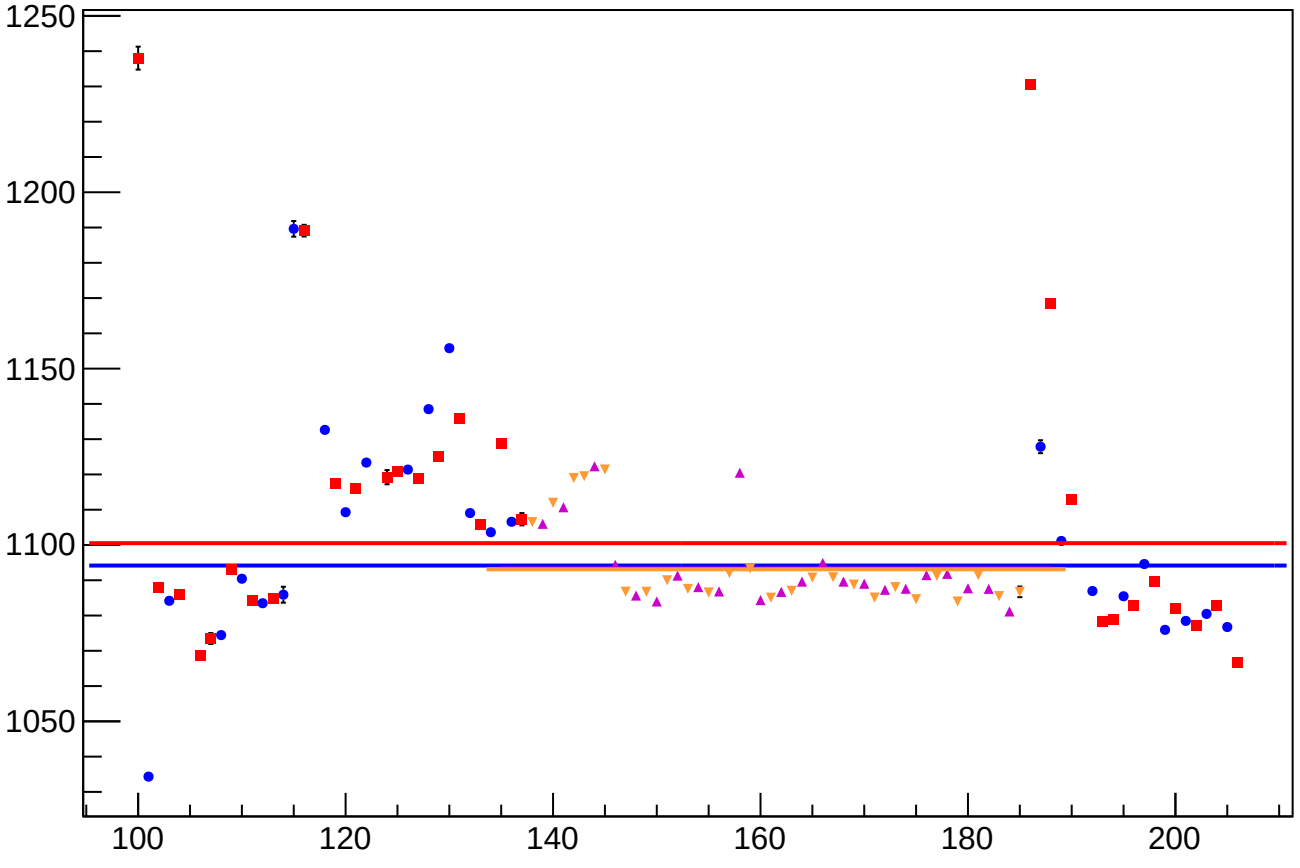
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2273.774+/-188.971 χ^2/NDF: 29.9/49

All: -7.350+/-132.751 χ^2/NDF: 366.8/102

- sign -2229.899+/-186.529 χ^2/NDF: 49.3/52

cor_asym_usr_rms vs Slug



Right In: 1094.171+/-0.206 χ^2/NDF: 16323.6/24

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1100.514+/-0.193 χ^2/NDF: 30888.6/29

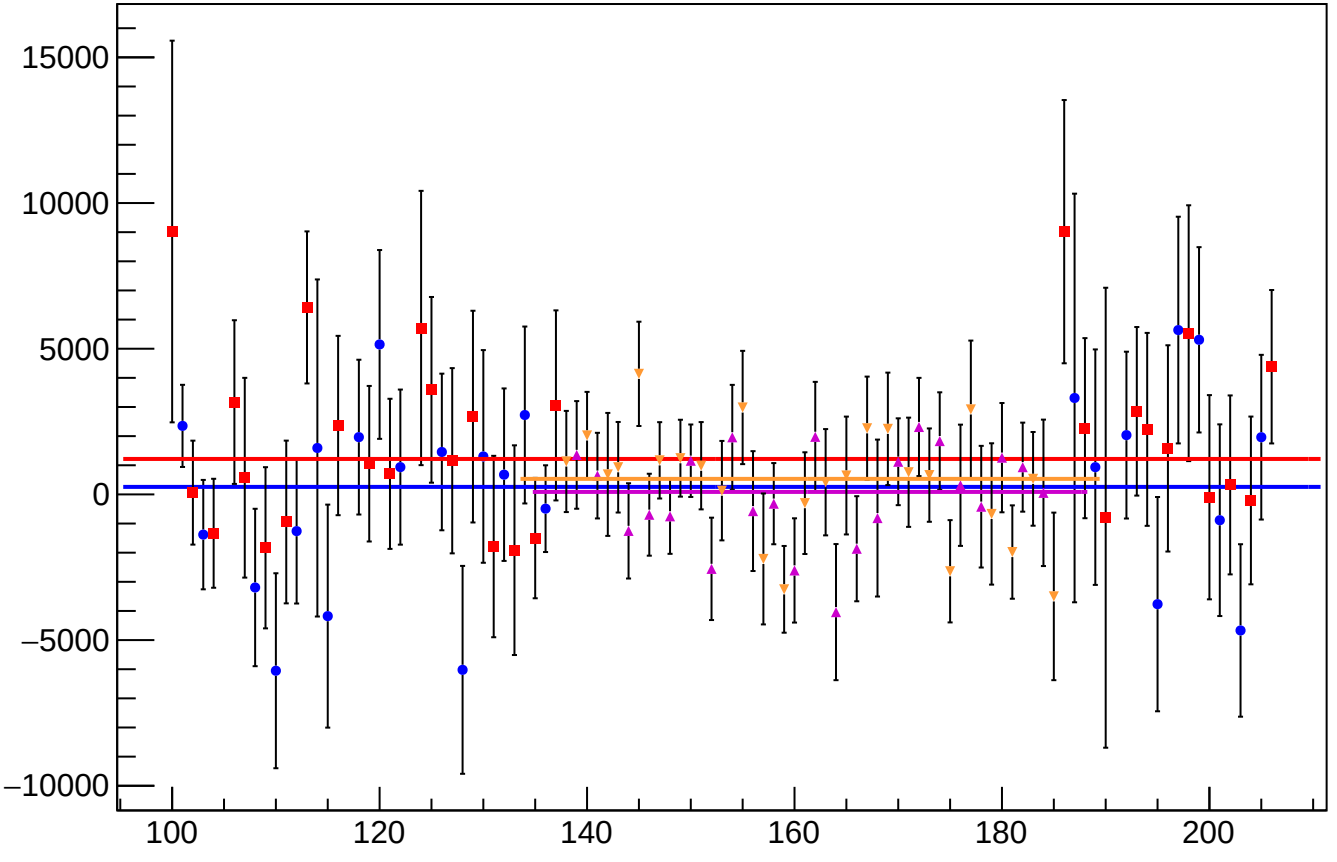
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1093.552+/-0.134 χ^2/NDF: 20322.4/49

All: 1095.138+/-0.094 χ^2/NDF: 55951.5/102

- sign 1096.683+/-0.132 χ^2/NDF: 35350.9/52

asym_usr_cor_correction_mean vs Slug



Right In: 257.611+/-542.982 χ^2/NDF: 26.5/24

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1216.966+/-540.011 χ^2/NDF: 22.0/29

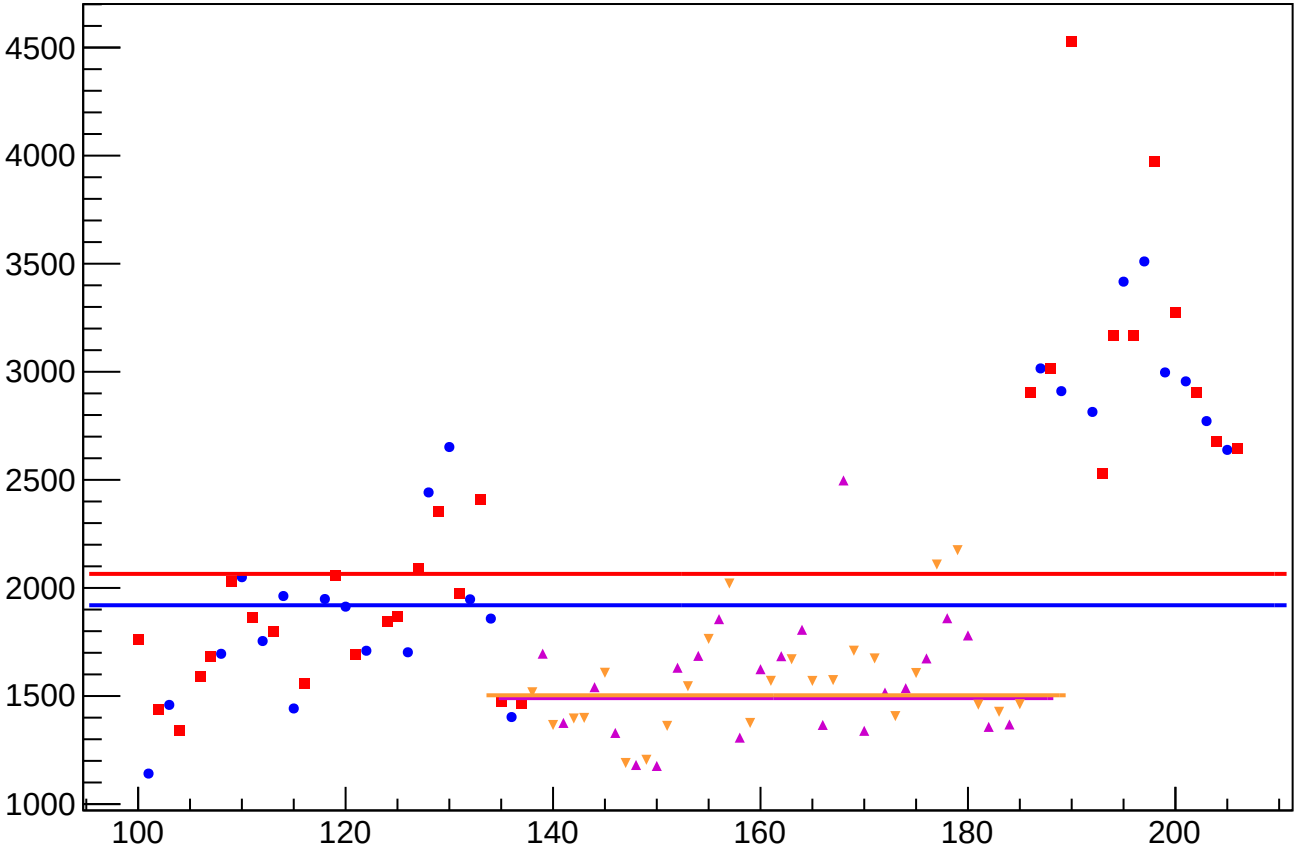
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

+ sign 453.058+/-292.526 χ^2/NDF: 53.1/49

All: 439.381+/-208.071 χ^2/NDF: 96.3/102

- sign 425.376+/-296.018 χ^2/NDF: 43.1/52

asym_usr_cor_correction_rms vs Slug



Right In: 1919.939+/-0.384 χ^2/NDF: 2932244.1/24

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2065.009+/-0.382 χ^2/NDF: 2912594.2/29

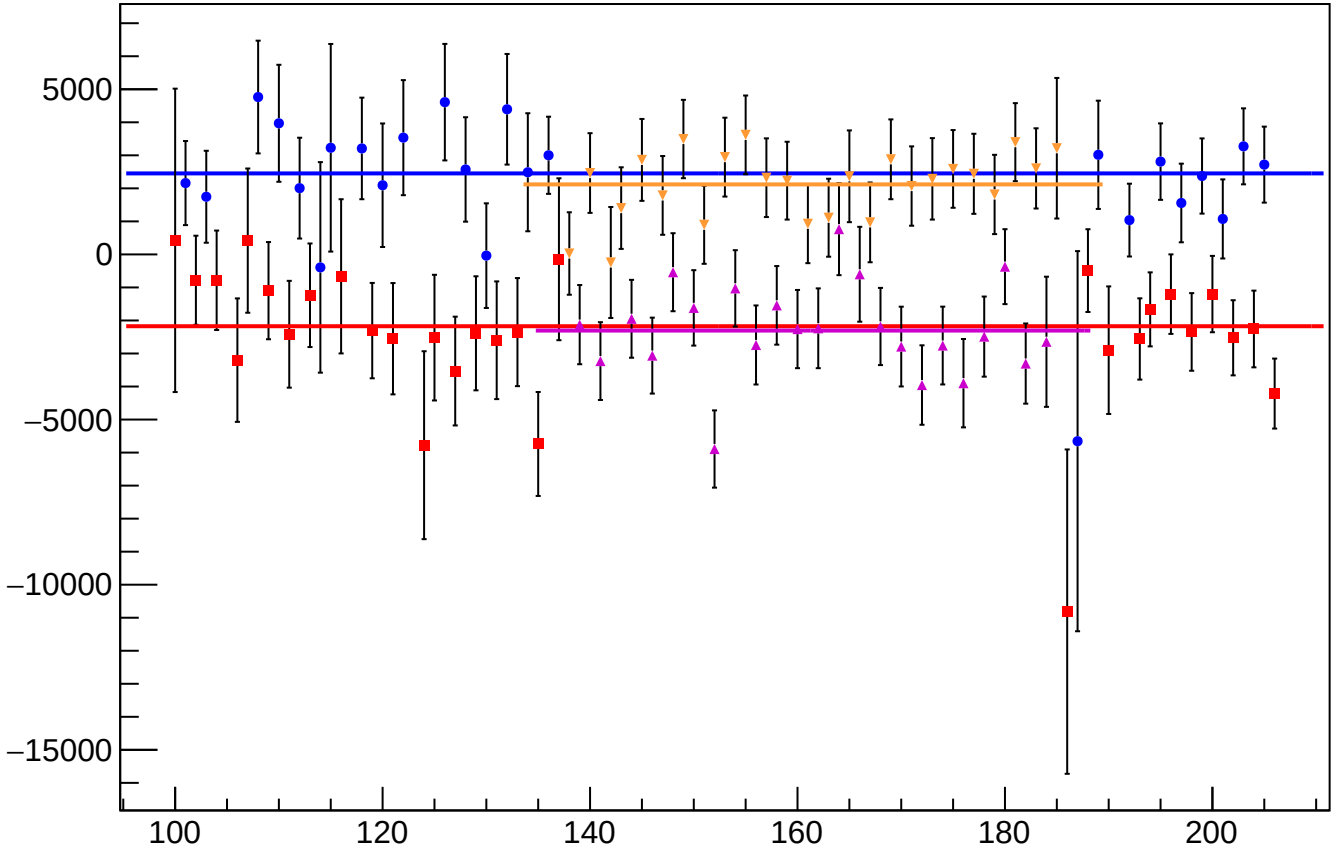
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1624.322+/-0.207 χ^2/NDF: 4567142.2/49

All: 1643.434+/-0.147 χ^2/NDF: 10049740.1/1

- sign 1663.005+/-0.209 χ^2/NDF: 5465318.7/52

overload_cor_asym_usr_mean vs Slug



Right In: 2452.732+/-293.071 χ^2/NDF: 16.3/24

Left Out: 2119.973+/-247.544 χ^2/NDF:15.1/24

Right Out: -2174.309+/-275.913 χ^2/NDF: 24.1/29

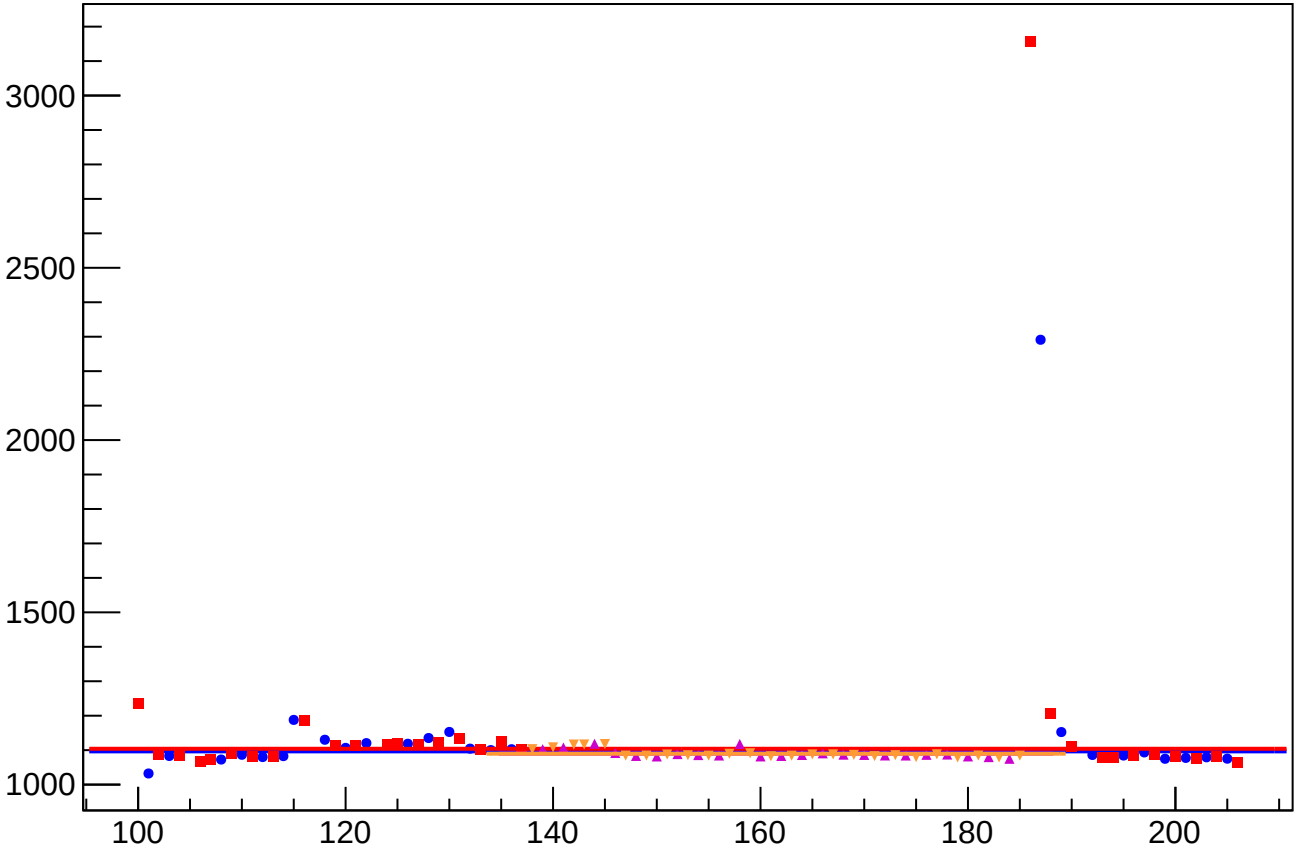
Left In: -2305.411+/-254.497 χ^2/NDF:28.5/22

+ sign 2258.527+/-189.111 χ^2/NDF: 32.2/49

All: -17.740+/-132.994 χ^2/NDF: 371.5/102

- sign -2245.145+/-187.070 χ^2/NDF: 52.7/52

overload_cor_asym_usr_rms vs Slug



Right In: 1096.473+/-0.207 χ^2/NDF: 104516.2/24

Left Out: 1089.744+/-0.175 χ^2/NDF:4057.6/24

Right Out: 1104.026+/-0.195 χ^2/NDF: 379152.2/29

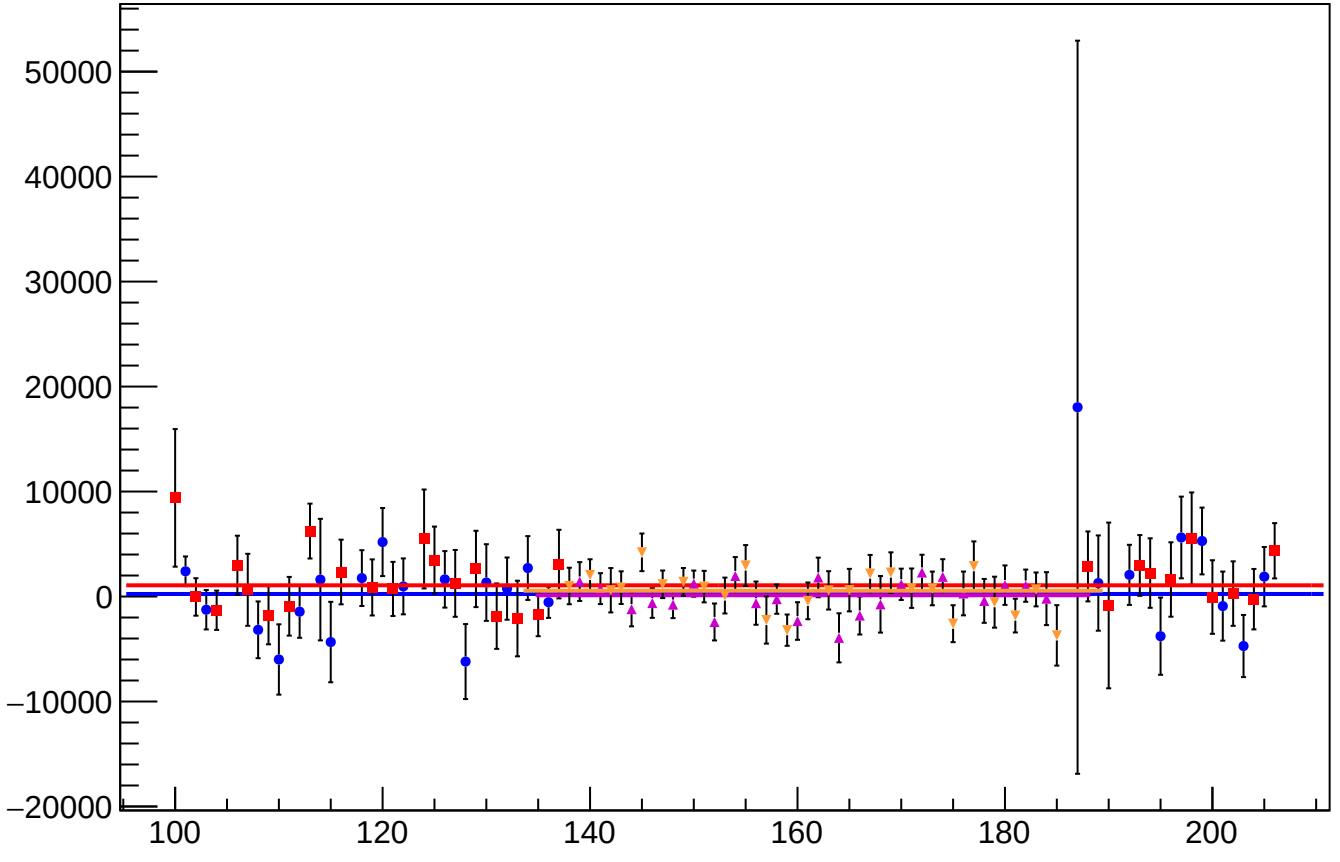
Left In: 1089.964+/-0.180 χ^2/NDF:3896.0/22

+ sign 1092.546+/-0.134 χ^2/NDF: 109189.2/49

All: 1094.508+/-0.094 χ^2/NDF: 495470.4/102

- sign 1096.428+/-0.132 χ^2/NDF: 385855.0/52

asym_usr_overload_cor_correction_mean vs Slug



Right In: 242.326+/-546.133 χ^2/NDF: 26.9/24

Left Out: 553.759+/-347.813 χ^2/NDF:26.1/24

Right Out: 1068.686+/-545.517 χ^2/NDF: 19.1/28

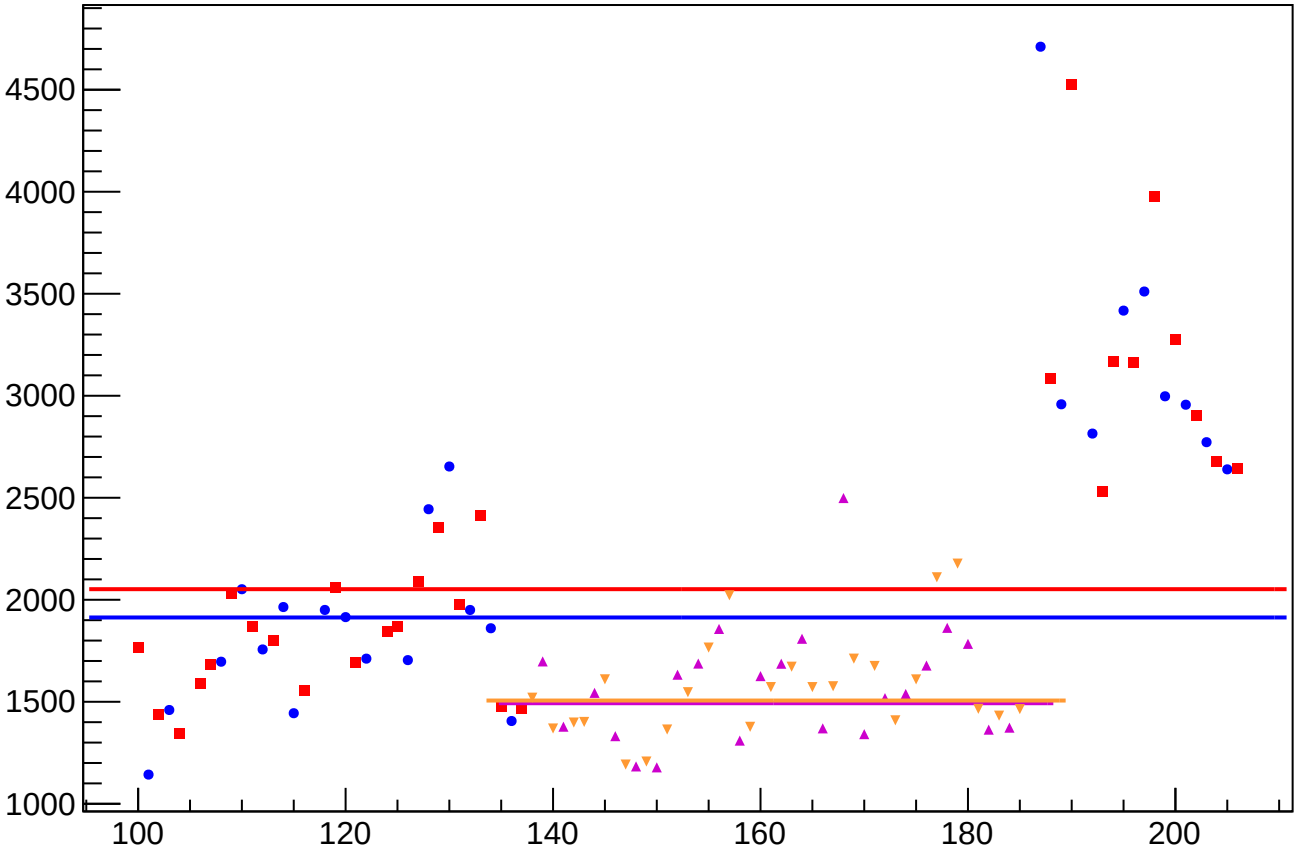
Left In: 121.420+/-354.540 χ^2/NDF:17.1/22

+ sign 463.893+/-293.370 χ^2/NDF: 53.3/49

All: 433.710+/-208.810 χ^2/NDF: 91.7/101

- sign 402.719+/-297.273 χ^2/NDF: 38.4/51

asym_usr_overload_cor_correction_rms vs Slug



Right In: 1913.235+/-0.386 χ^2/NDF: 2871099.4/24

Left Out: 1506.103+/-0.246 χ^2/NDF:796401.8/24

Right Out: 2051.976+/-0.386 χ^2/NDF: 2829809.8/28

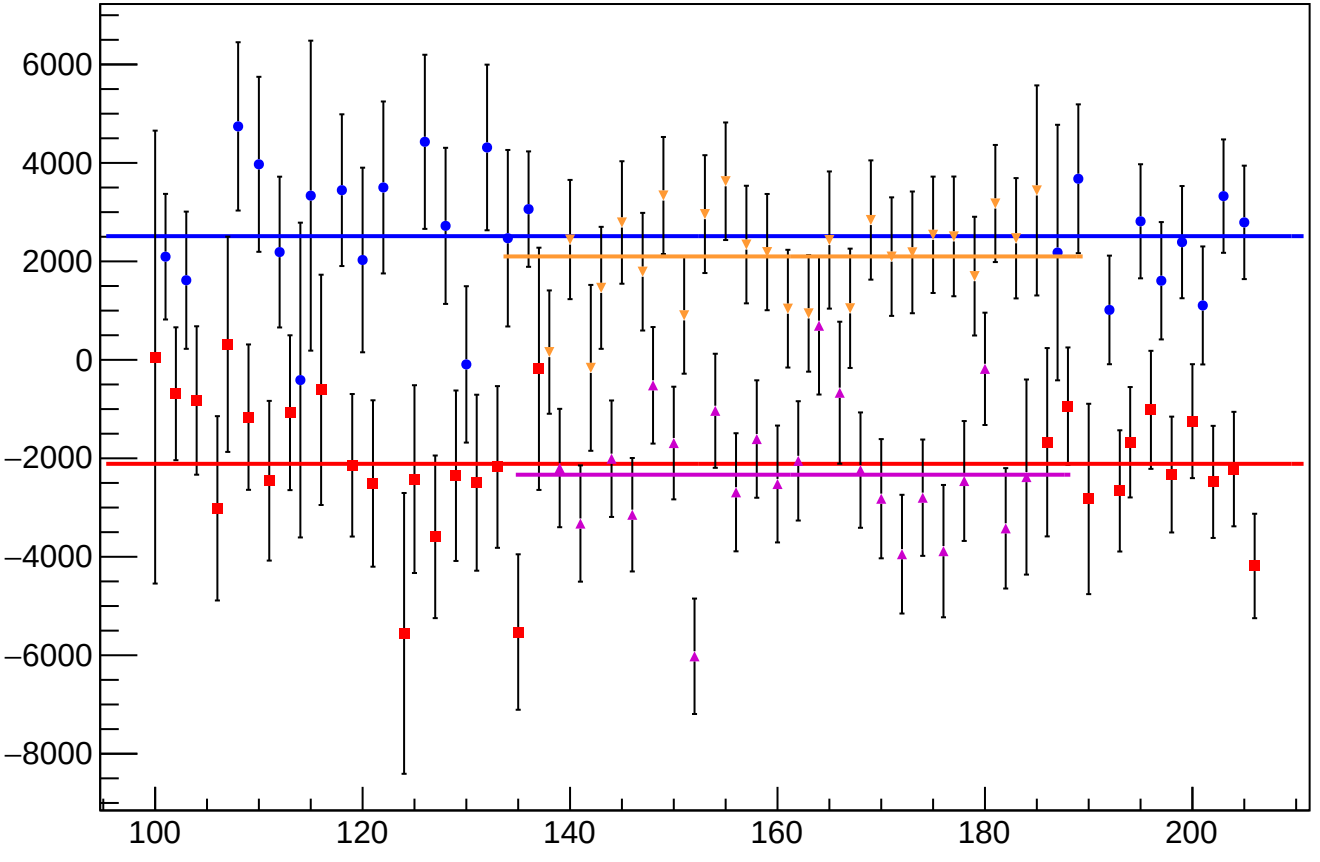
Left In: 1492.976+/-0.251 χ^2/NDF:964358.0/22

+ sign 1623.584+/-0.207 χ^2/NDF: 4458257.7/49

All: 1641.046+/-0.148 χ^2/NDF: 9743234.4/10

- sign 1658.976+/-0.210 χ^2/NDF: 5270615.3/51

eigen_cor_asym_usr_mean vs Slug



Right In: 2512.398+/-291.306 χ^2/NDF: 14.9/24

Left Out: 2100.398+/-248.306 χ^2/NDF:13.8/24

Right Out: -2111.860+/-273.212 χ^2/NDF: 19.4/29

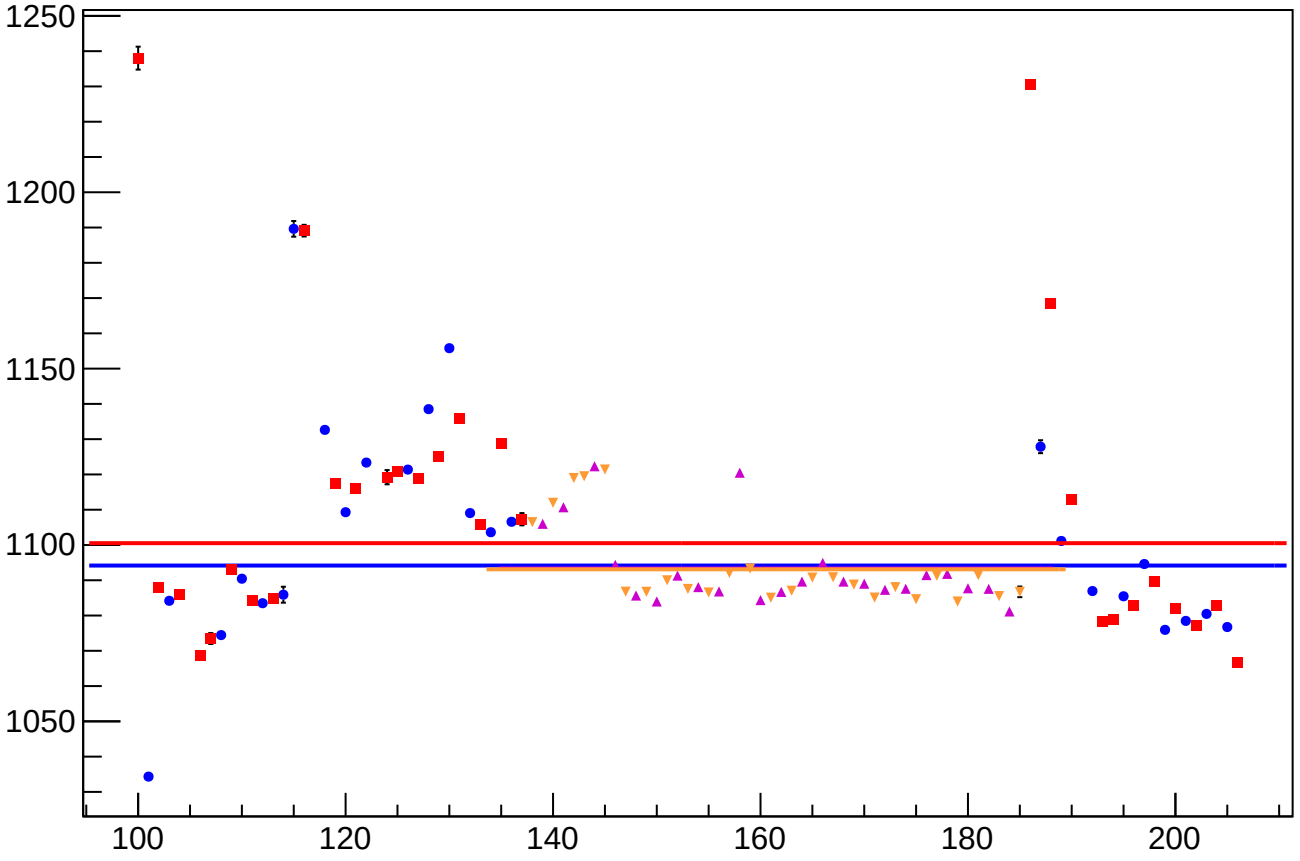
Left In: -2332.954+/-255.284 χ^2/NDF:29.5/22

+ sign 2273.774+/-188.971 χ^2/NDF: 29.9/49

All: -7.350+/-132.751 χ^2/NDF: 366.8/102

- sign -2229.899+/-186.529 χ^2/NDF: 49.3/52

eigen_cor_asym_usr_rms vs Slug



Right In: 1094.171+/-0.206 χ^2/NDF: 16323.6/24

Left Out: 1093.102+/-0.176 χ^2/NDF:3983.2/24

Right Out: 1100.514+/-0.193 χ^2/NDF: 30888.6/29

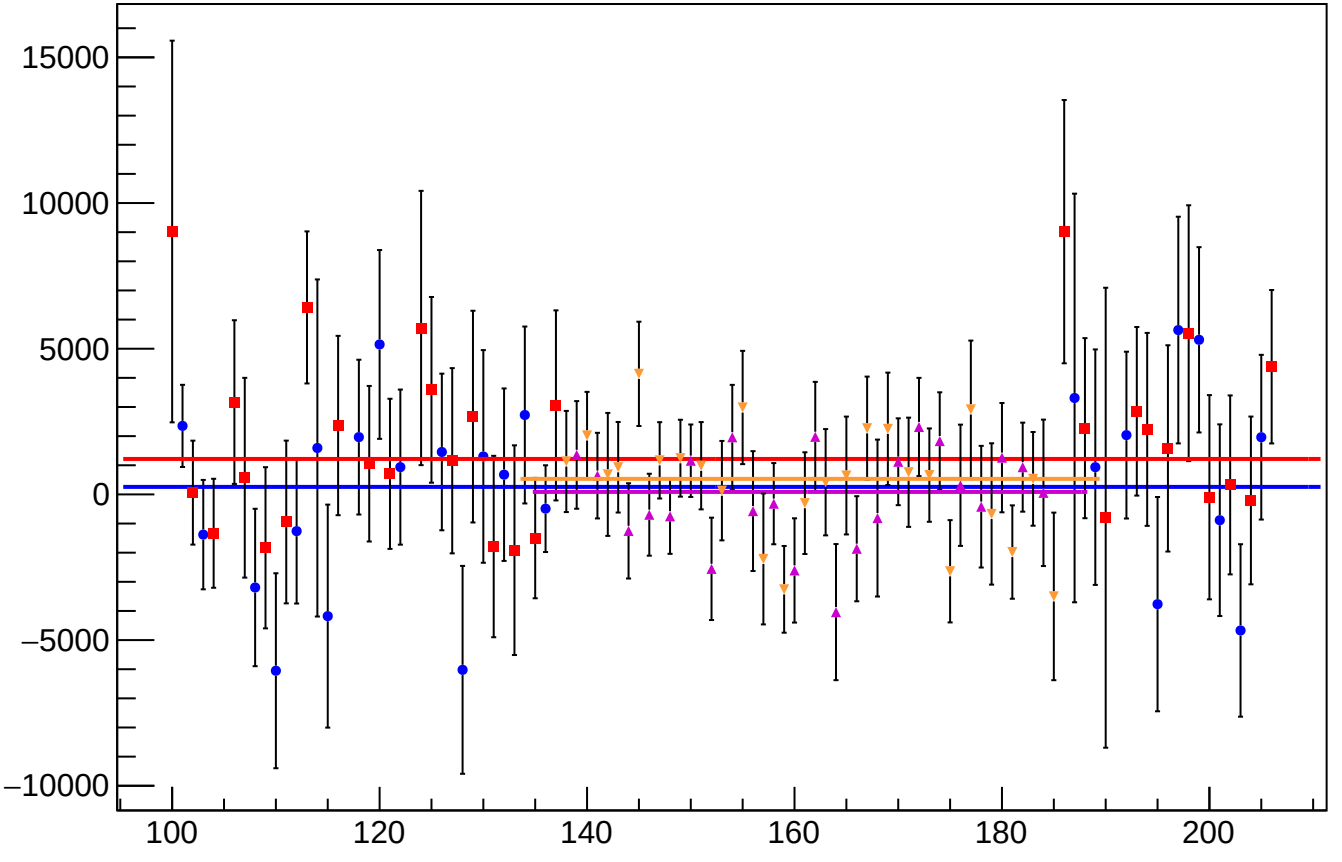
Left In: 1093.338+/-0.181 χ^2/NDF:3725.7/22

+ sign 1093.552+/-0.134 χ^2/NDF: 20322.4/49

All: 1095.138+/-0.094 χ^2/NDF: 55951.5/102

- sign 1096.683+/-0.132 χ^2/NDF: 35350.9/52

asym_usr_eigen_cor_correction_mean vs Slug



Right In: 257.611+/-542.982 χ^2/NDF: 26.5/24

Left Out: 532.982+/-347.223 χ^2/NDF:26.4/24

Right Out: 1216.966+/-540.011 χ^2/NDF: 22.0/29

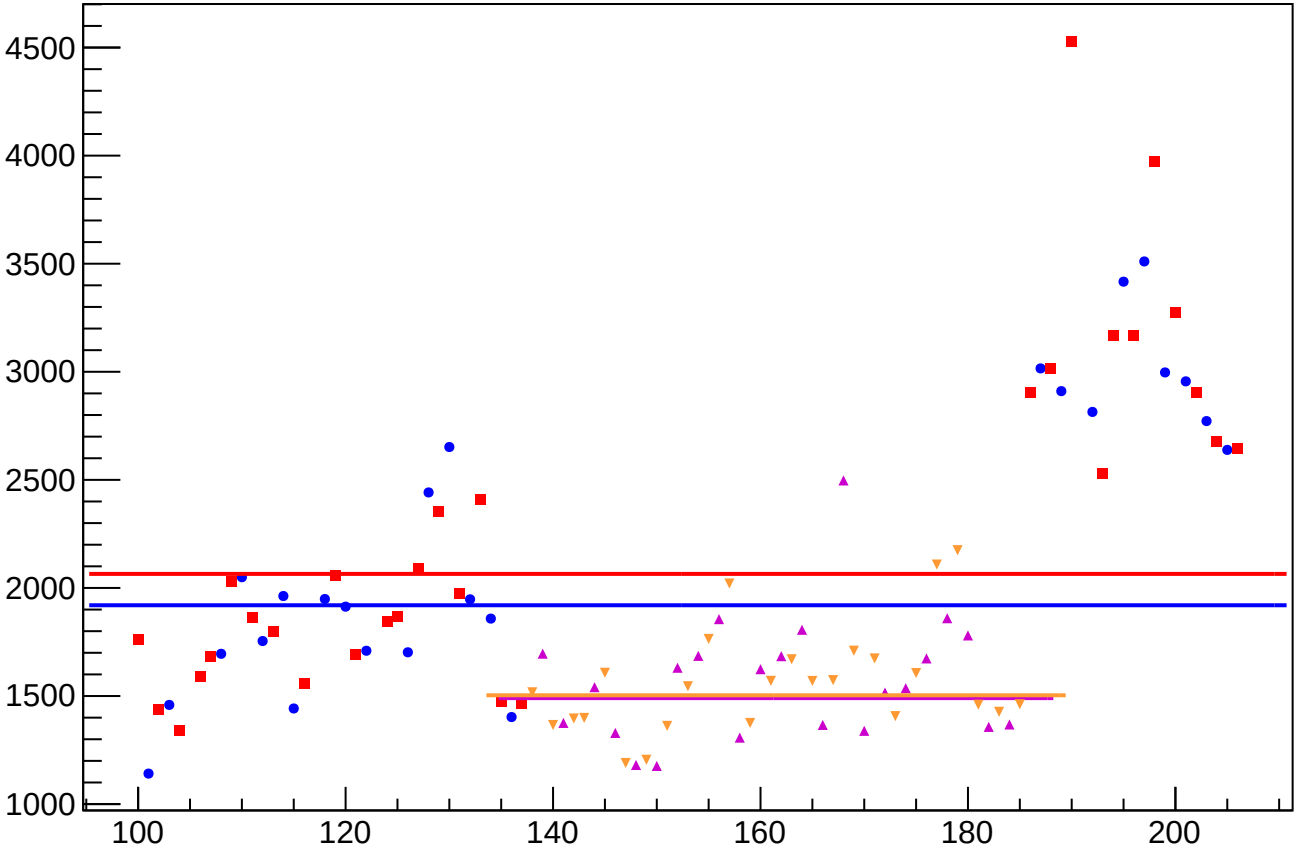
Left In: 85.329+/-353.933 χ^2/NDF:18.1/22

\+ sign 453.058+/-292.526 χ^2/NDF: 53.1/49

All: 439.381+/-208.071 χ^2/NDF: 96.3/102

\- sign 425.376+/-296.018 χ^2/NDF: 43.1/52

asym_usr_eigen_cor_correction_rms vs Slug



Right In: 1919.939+/-0.384 χ^2/NDF: 2932244.1/24

Left Out: 1503.437+/-0.246 χ^2/NDF:799670.9/24

Right Out: 2065.009+/-0.382 χ^2/NDF: 2912594.2/29

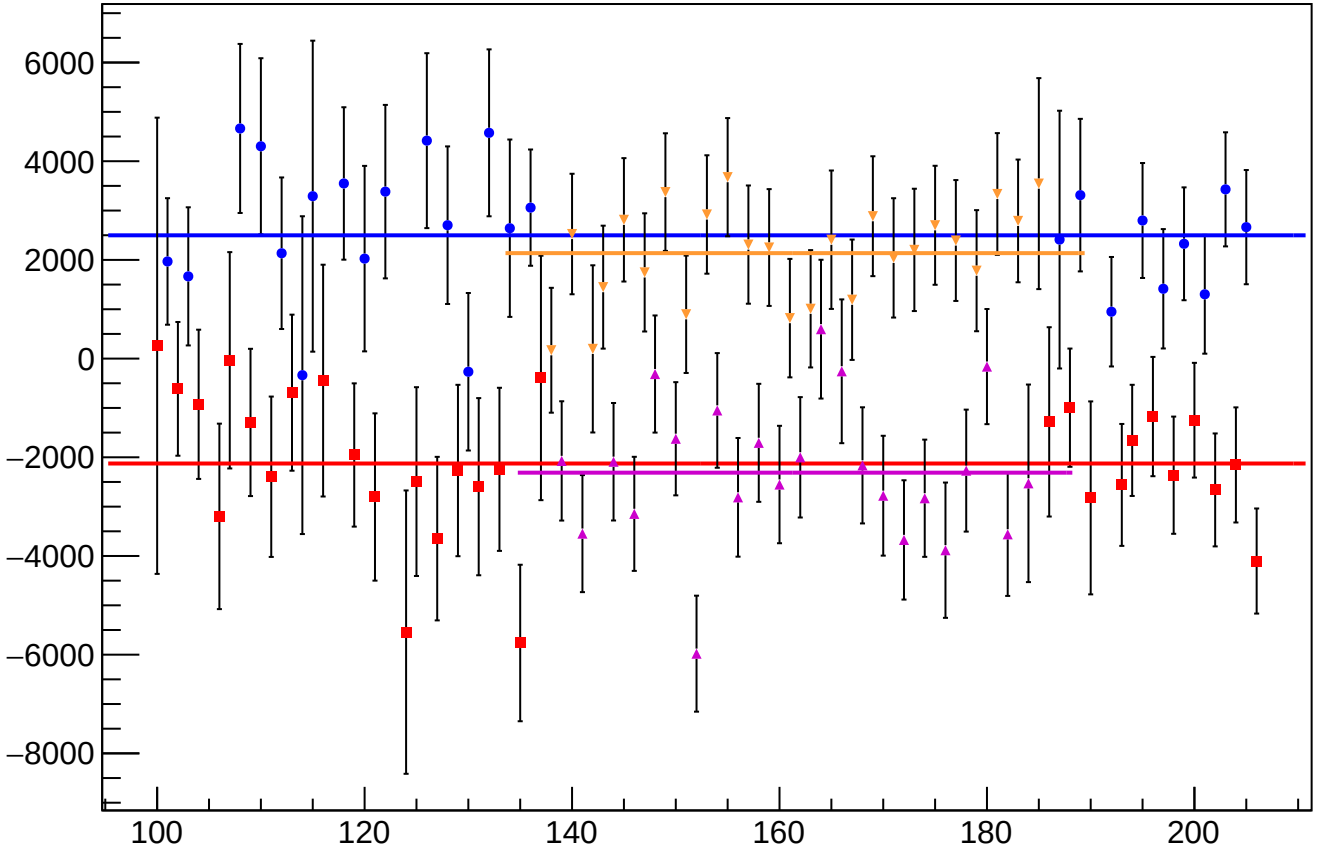
Left In: 1490.314+/-0.250 χ^2/NDF:968221.5/22

+ sign 1624.322+/-0.207 χ^2/NDF: 4567142.2/49

All: 1643.434+/-0.147 χ^2/NDF: 10049740.1/1

- sign 1663.005+/-0.209 χ^2/NDF: 5465318.7/52

dit_asym_usr_mean vs Slug



Right In: 2498.322+/-292.960 χ^2/NDF: 15.5/24

Left Out: 2137.184+/-250.195 χ^2/NDF:13.9/24

Right Out: -2126.027+/-274.554 χ^2/NDF: 19.8/29

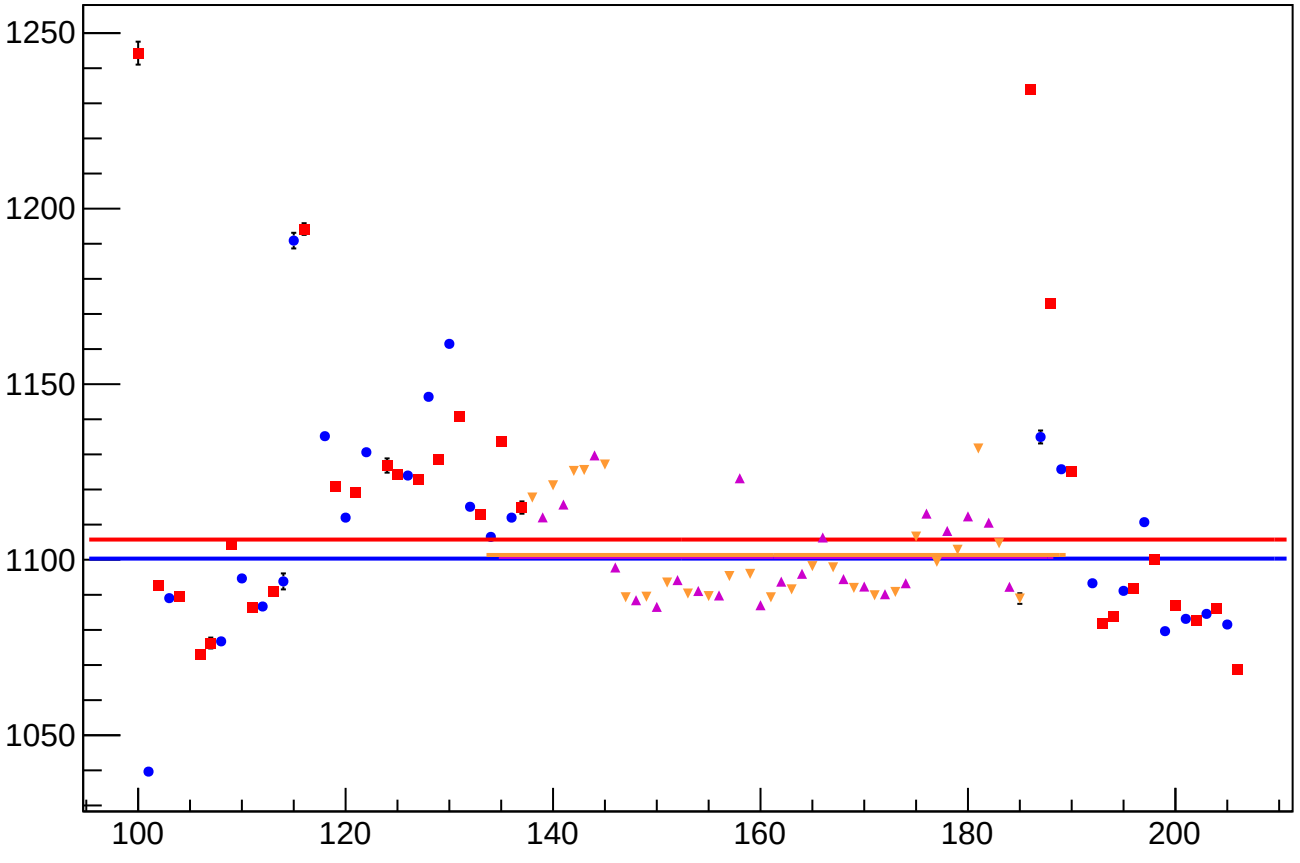
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2289.494+/-190.255 χ^2/NDF: 30.3/49

All: 0.997+/-133.596 χ^2/NDF: 365.7/102

- sign -2225.008+/-187.639 χ^2/NDF: 49.9/52

dit_asym_usr_rms vs Slug



Right In: 1100.315+/-0.207 χ^2/NDF: 17052.7/24

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1105.740+/-0.194 χ^2/NDF: 30709.4/29

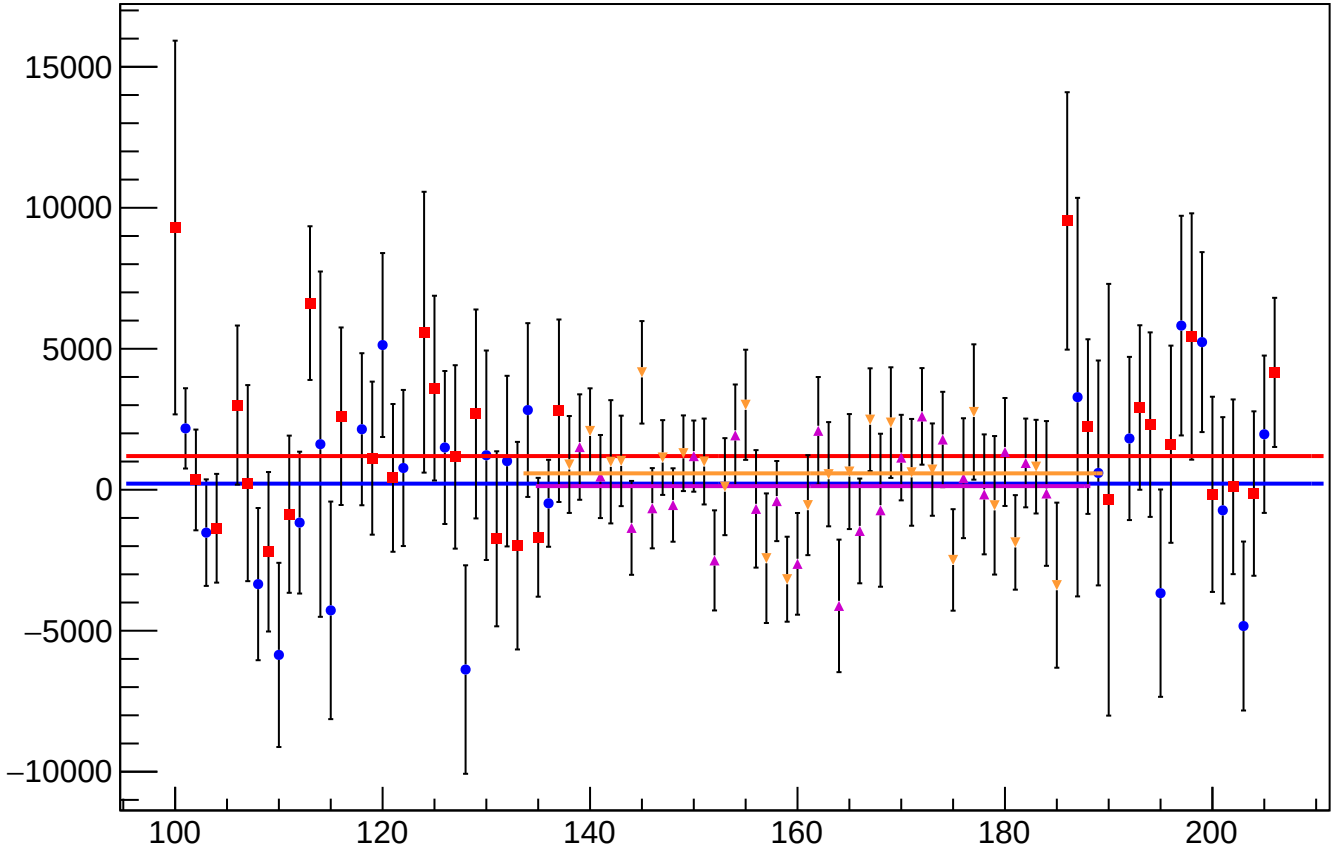
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1100.916+/-0.135 χ^2/NDF: 23017.9/49

All: 1102.025+/-0.094 χ^2/NDF: 58849.2/102

- sign 1103.104+/-0.133 χ^2/NDF: 35697.2/52

asym_usr_dit_correction_mean vs Slug



Right In: 216.478+/-549.907 χ^2/NDF: 26.4/24

Left Out: 581.427+/-353.389 χ^2/NDF:25.4/24

Right Out: 1194.398+/-546.718 χ^2/NDF: 22.1/29

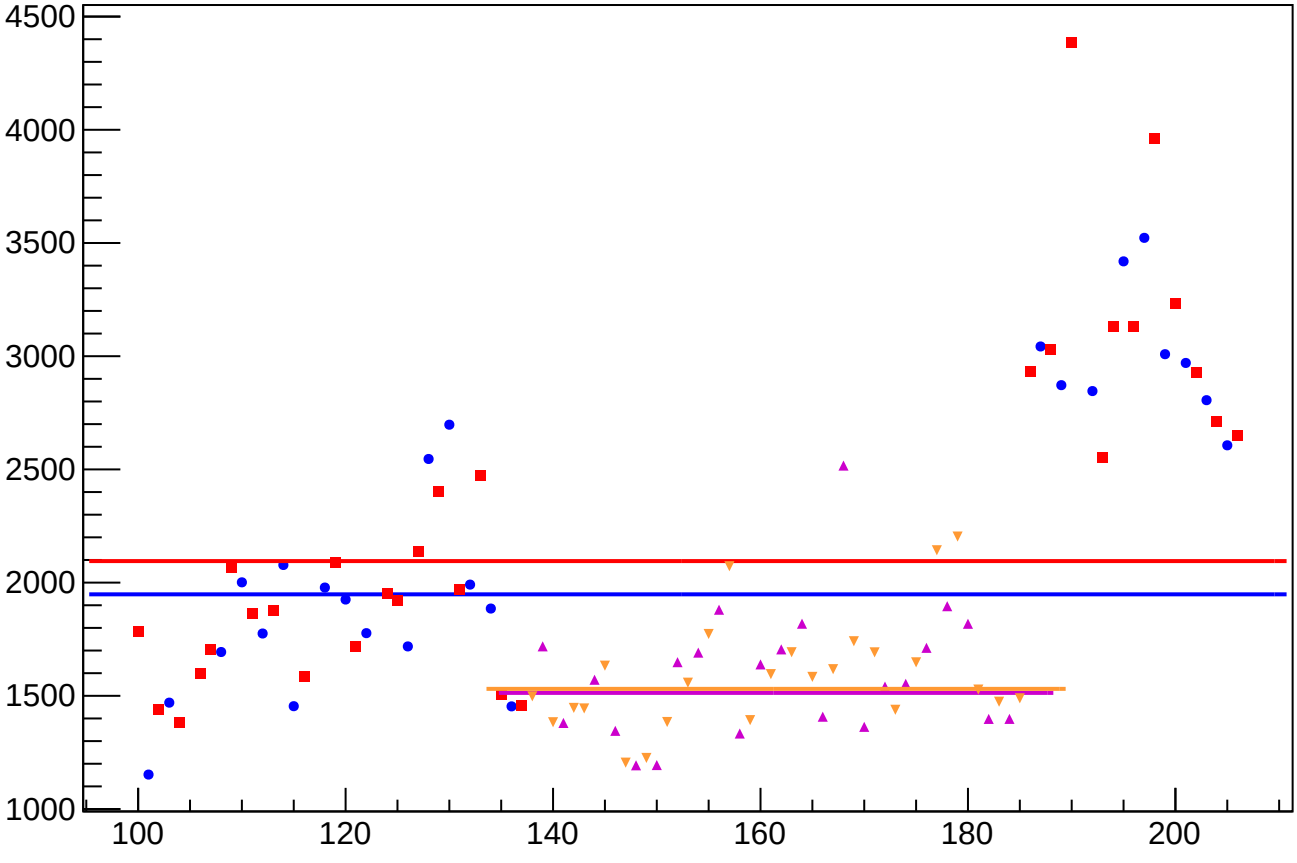
Left In: 128.769+/-359.128 χ^2/NDF:17.9/22

+ sign 474.762+/-297.293 χ^2/NDF: 52.1/49

All: 462.490+/-211.225 χ^2/NDF: 94.7/102

- sign 449.980+/-300.162 χ^2/NDF: 42.6/52

asym_usr_dit_correction_rms vs Slug



Right In: 1948.252+/-0.389 χ^2/NDF: 2860133.4/24

Left Out: 1530.764+/-0.250 χ^2/NDF:795634.5/24

Right Out: 2095.111+/-0.387 χ^2/NDF: 2792090.9/29

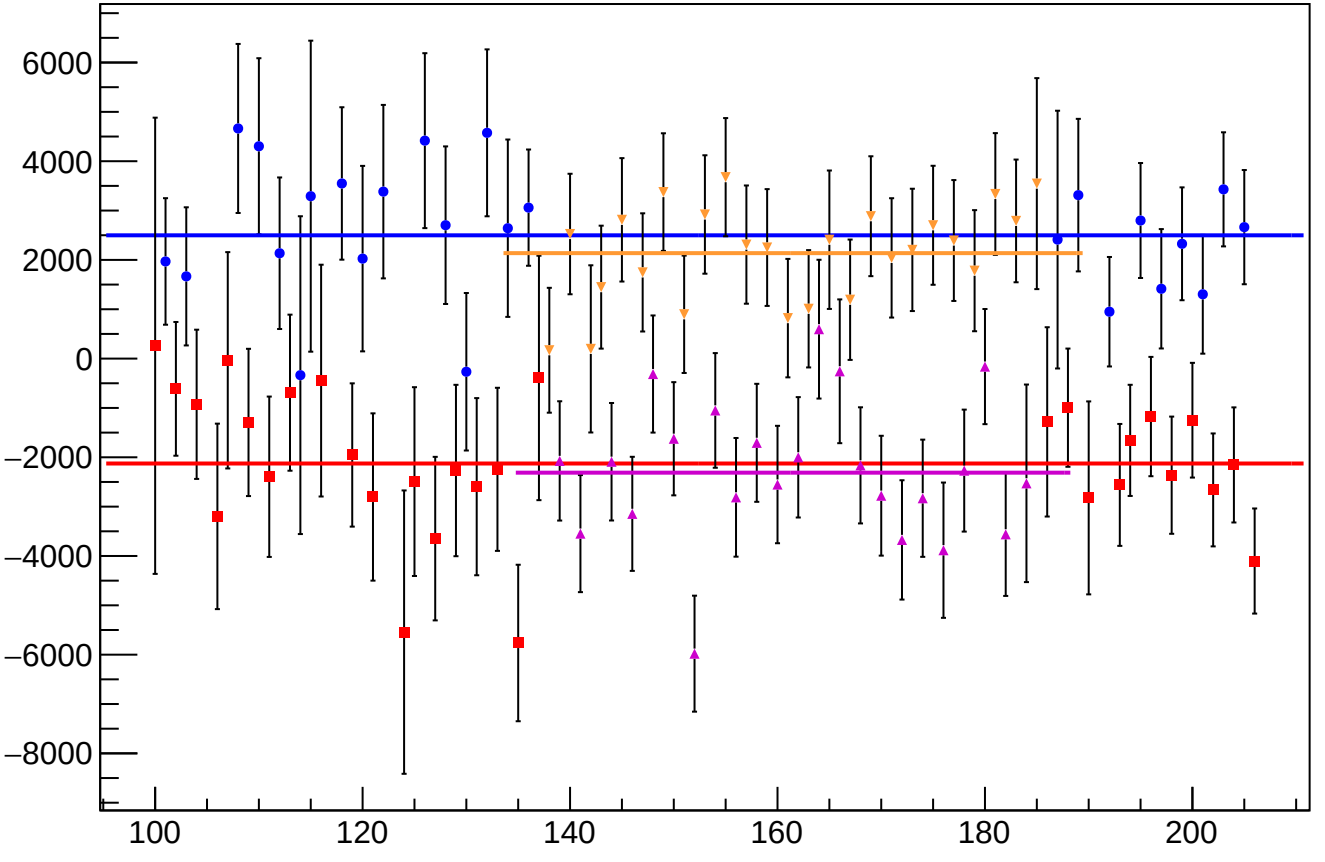
Left In: 1512.947+/-0.254 χ^2/NDF:957059.5/22

+ sign 1652.785+/-0.210 χ^2/NDF: 4471604.5/49

All: 1670.435+/-0.149 χ^2/NDF: 9819172.6/10

- sign 1688.428+/-0.212 χ^2/NDF: 5333332.7/52

eigen_dit_asym_usr_mean vs Slug



Right In: 2498.321+/-292.960 χ^2/NDF: 15.5/24

Left Out: 2137.182+/-250.195 χ^2/NDF:13.9/24

Right Out: -2126.025+/-274.554 χ^2/NDF: 19.8/29

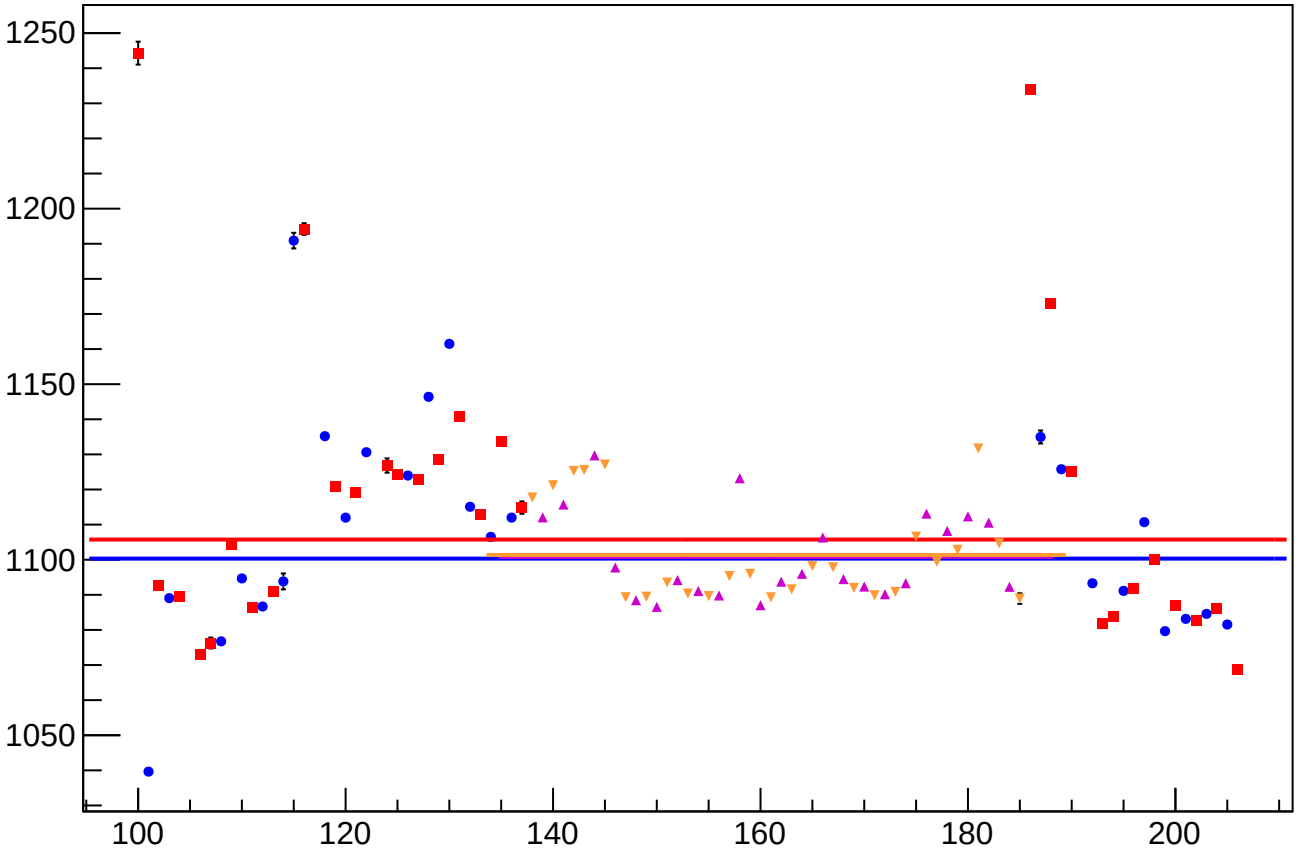
Left In: -2311.761+/-257.036 χ^2/NDF:29.9/22

+ sign 2289.493+/-190.255 χ^2/NDF: 30.3/49

All: 0.997+/-133.596 χ^2/NDF: 365.7/102

- sign -2225.007+/-187.639 χ^2/NDF: 49.9/52

eigen_dit_asym_usr_rms vs Slug



Right In: 1100.315+/-0.207 χ^2/NDF: 17052.6/24

Left Out: 1101.353+/-0.177 χ^2/NDF:5950.6/24

Right Out: 1105.740+/-0.194 χ^2/NDF: 30709.3/29

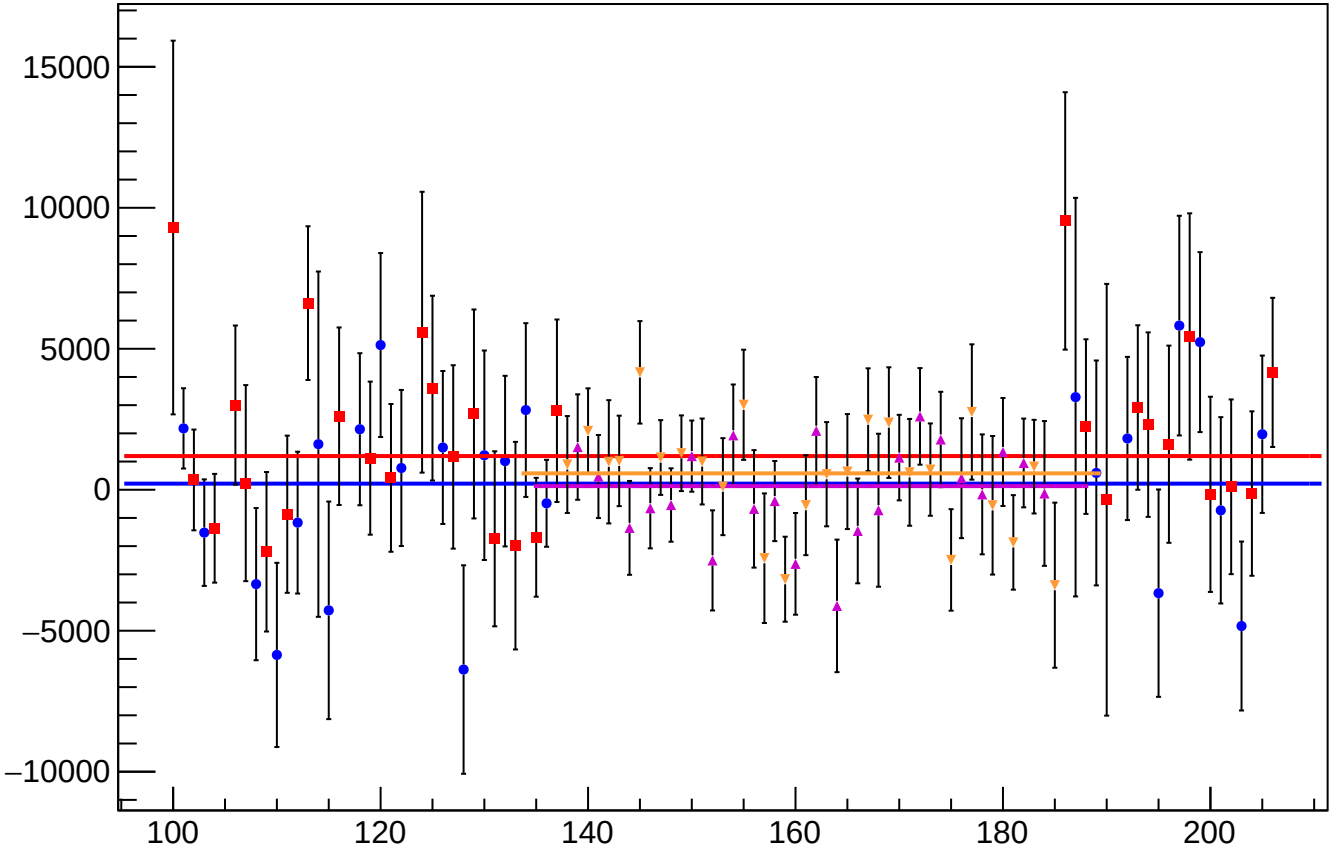
Left In: 1100.792+/-0.182 χ^2/NDF:4641.7/22

+ sign 1100.915+/-0.135 χ^2/NDF: 23017.7/49

All: 1102.025+/-0.094 χ^2/NDF: 58849.0/102

- sign 1103.104+/-0.133 χ^2/NDF: 35697.2/52

asym_usr_eigen_dit_correction_mean vs Slug



Right In: 216.474+/-549.907 χ^2/NDF: 26.4/24

Left Out: 581.426+/-353.390 χ^2/NDF:25.4/24

Right Out: 1194.399+/-546.718 χ^2/NDF: 22.1/29

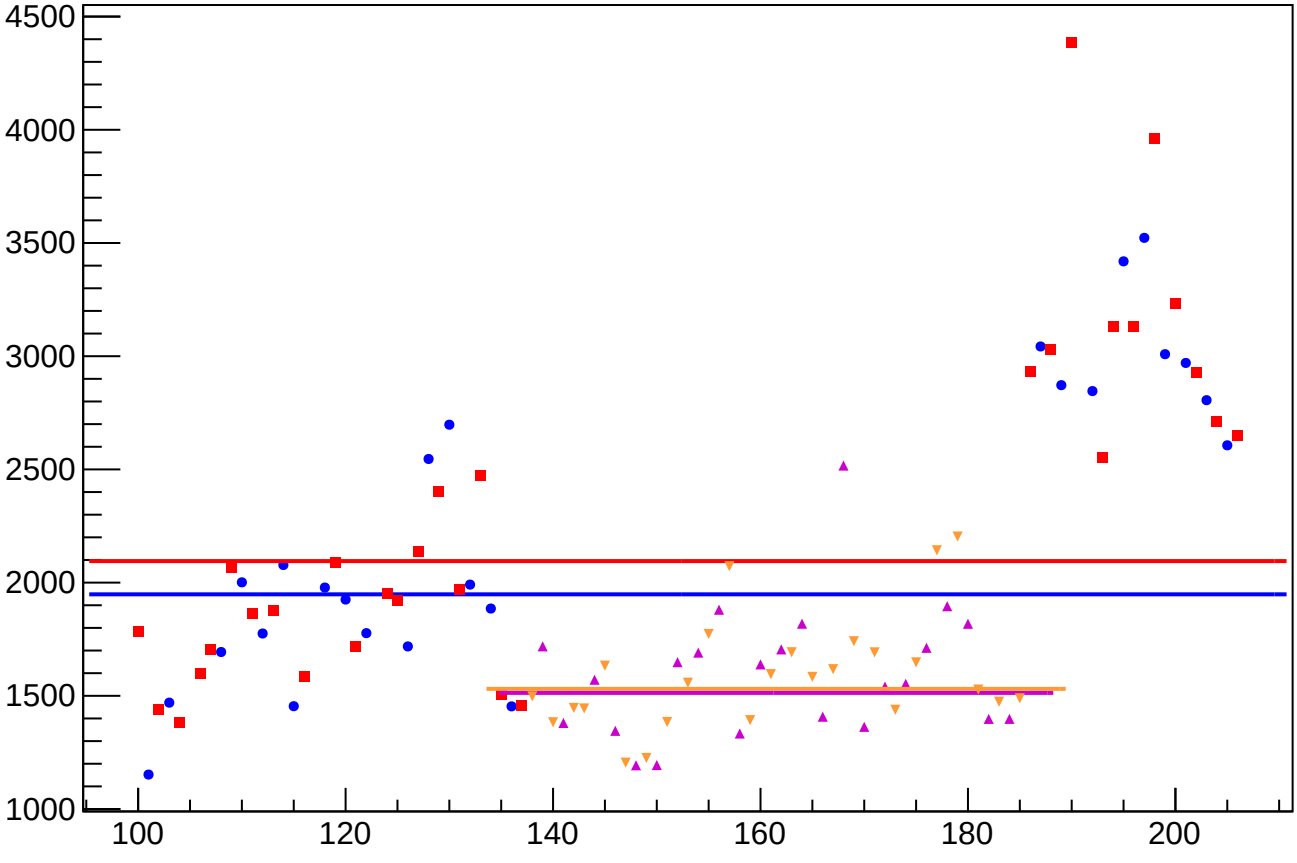
Left In: 128.769+/-359.129 χ^2/NDF:17.9/22

\+ sign 474.759+/-297.294 χ^2/NDF: 52.1/49

All: 462.489+/-211.225 χ^2/NDF: 94.7/102

\- sign 449.982+/-300.162 χ^2/NDF: 42.6/52

asym_usr_eigen_dit_correction_rms vs Slug



Right In: 1948.250+/-0.389 χ^2/NDF: 2860136.5/24

Left Out: 1530.768+/-0.250 χ^2/NDF:795638.4/24

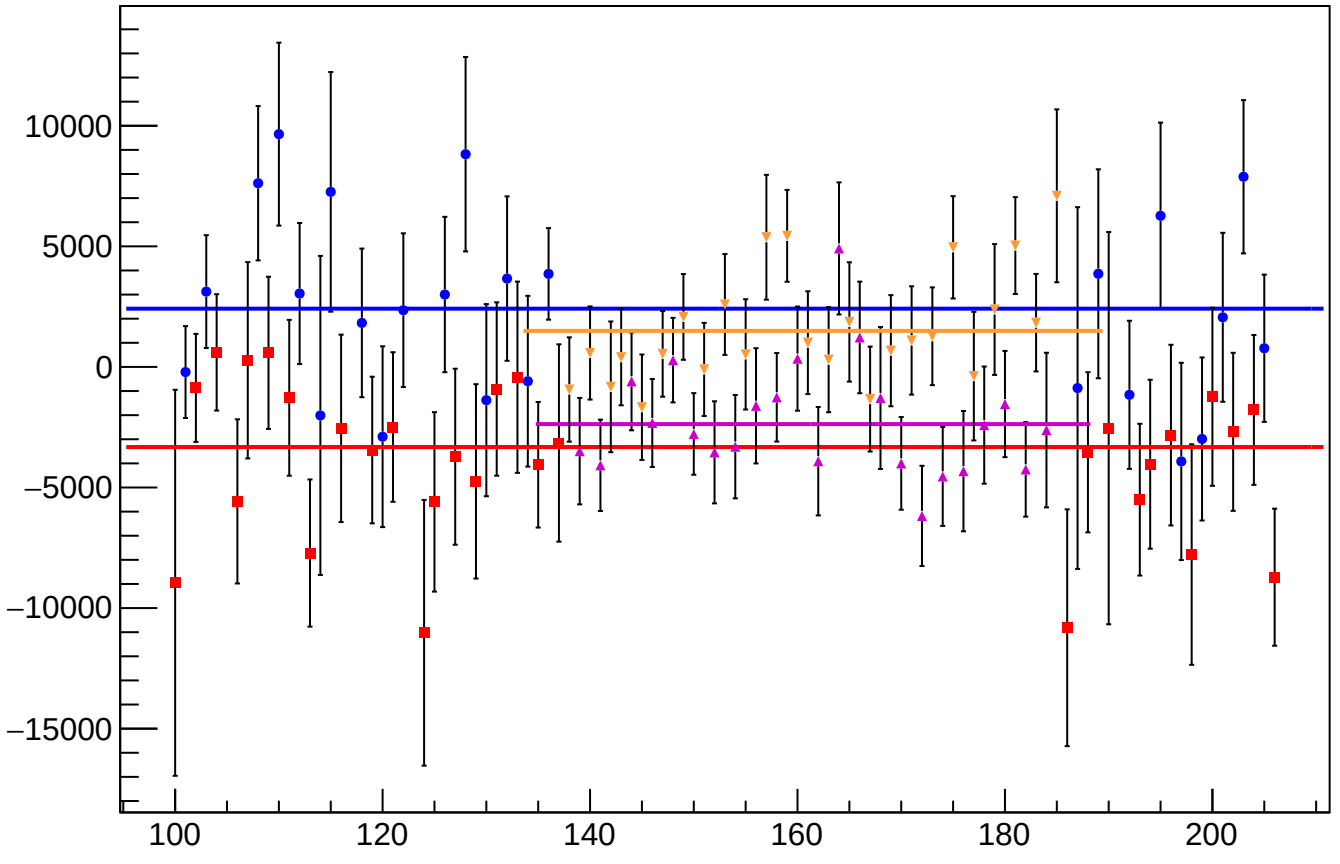
Right Out: 2095.110+/-0.387 χ^2/NDF: 2792089.1/29

Left In: 1512.951+/-0.254 χ^2/NDF:957065.2/22

\+ sign 1652.788+/-0.210 χ^2/NDF: 4471588.4/49

All: 1670.438+/-0.149 χ^2/NDF: 9819131.9/10

\- sign 1688.430+/-0.212 χ^2/NDF: 5333308.0/52



Right In: 2415.942+/-642.343 χ^2/NDF: 27.5/24

Left Out: 1495.022+/-433.196 χ^2/NDF:23.8/24

Right Out: -3321.867+/-626.433 χ^2/NDF: 21.3/29

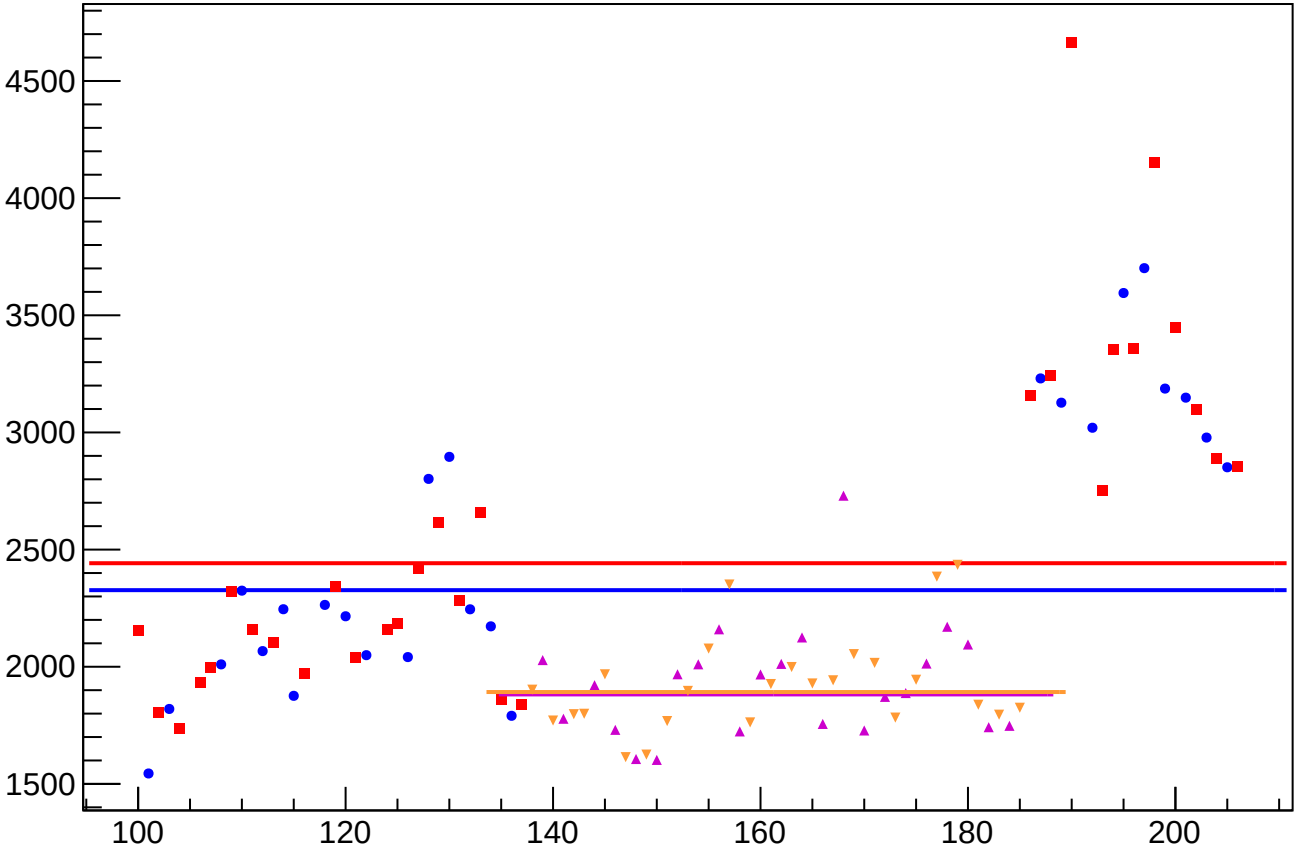
Left In: -2370.694+/-442.952 χ^2/NDF:23.7/22

+ sign 1782.927+/-359.154 χ^2/NDF: 52.7/49

All: -436.806+/-254.845 χ^2/NDF: 176.1/102

- sign -2687.749+/-361.670 χ^2/NDF: 46.5/52

asym_usr_rms vs Slug



Right In: 2326.903+/-0.454 χ^2/NDF: 1772757.3/24

Left Out: 1892.117+/-0.306 χ^2/NDF:389648.0/24

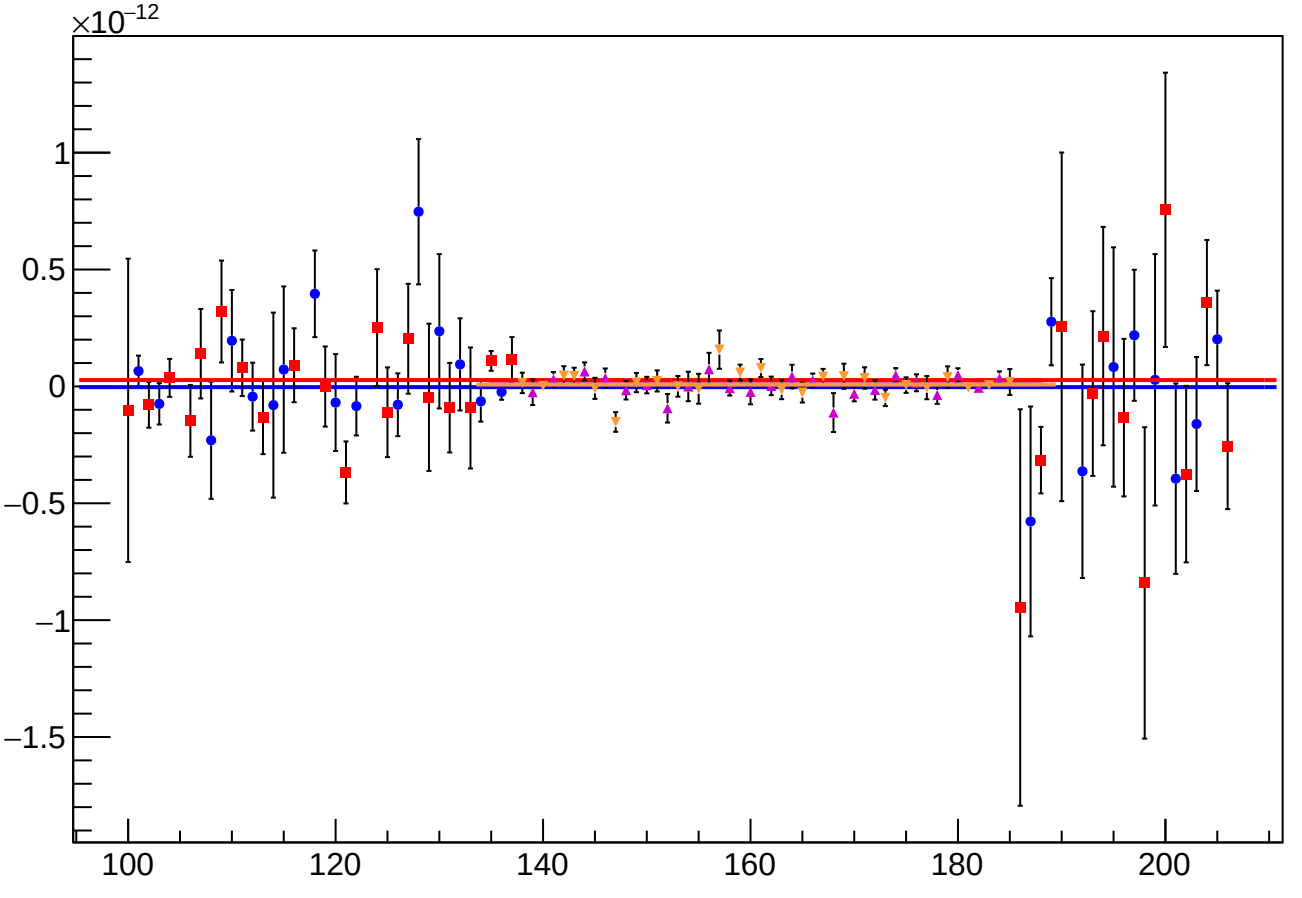
Right Out: 2441.893+/-0.443 χ^2/NDF: 1859908.7/29

Left In: 1881.892+/-0.313 χ^2/NDF:462659.6/22

+ sign 2028.043+/-0.254 χ^2/NDF: 2792260.0/49

All: 2048.159+/-0.180 χ^2/NDF: 6193004.5/10

- sign 2068.557+/-0.256 χ^2/NDF: 3388108.5/52



Right In: -0.000+/-0.000 χ^2/NDF: 23.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.7/29

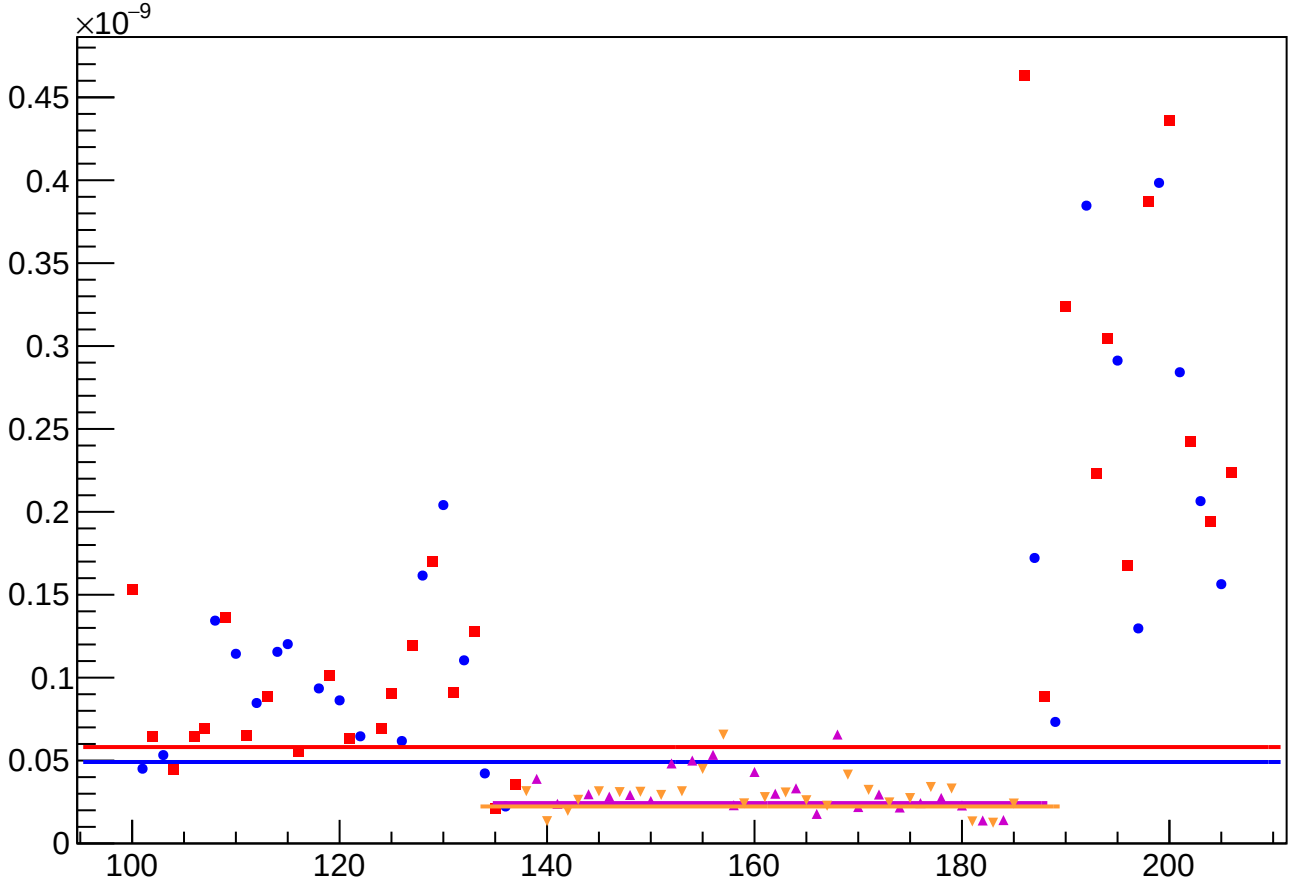
Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.2/49

All: 0.000+/-0.000 χ^2/NDF: 112.5/102

- sign 0.000+/-0.000 χ^2/NDF: 56.2/52

asym_usr_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7591706.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:3629538.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7940836.5/29

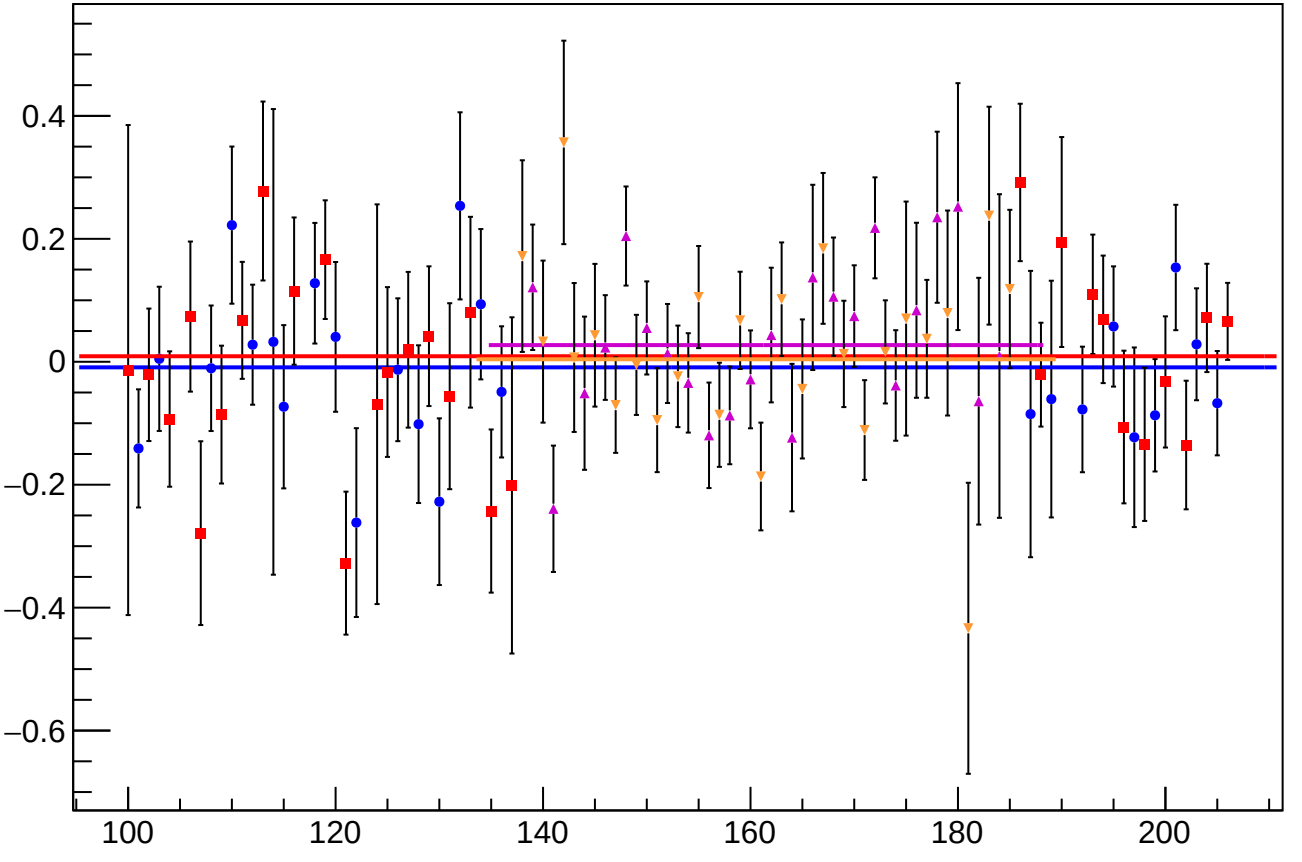
Left In: 0.000+/-0.000 χ^2/NDF:3124271.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13600085.8/49

All: 0.000+/-0.000 χ^2/NDF: 27928439.2/102

- sign 0.000+/-0.000 χ^2/NDF: 14192970.4/52

asym_usr_dit_vs_cor_diff_mean vs Slug



Right In: -0.009+/-0.023 χ^2/NDF: 22.9/24

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.009+/-0.021 χ^2/NDF: 39.2/29

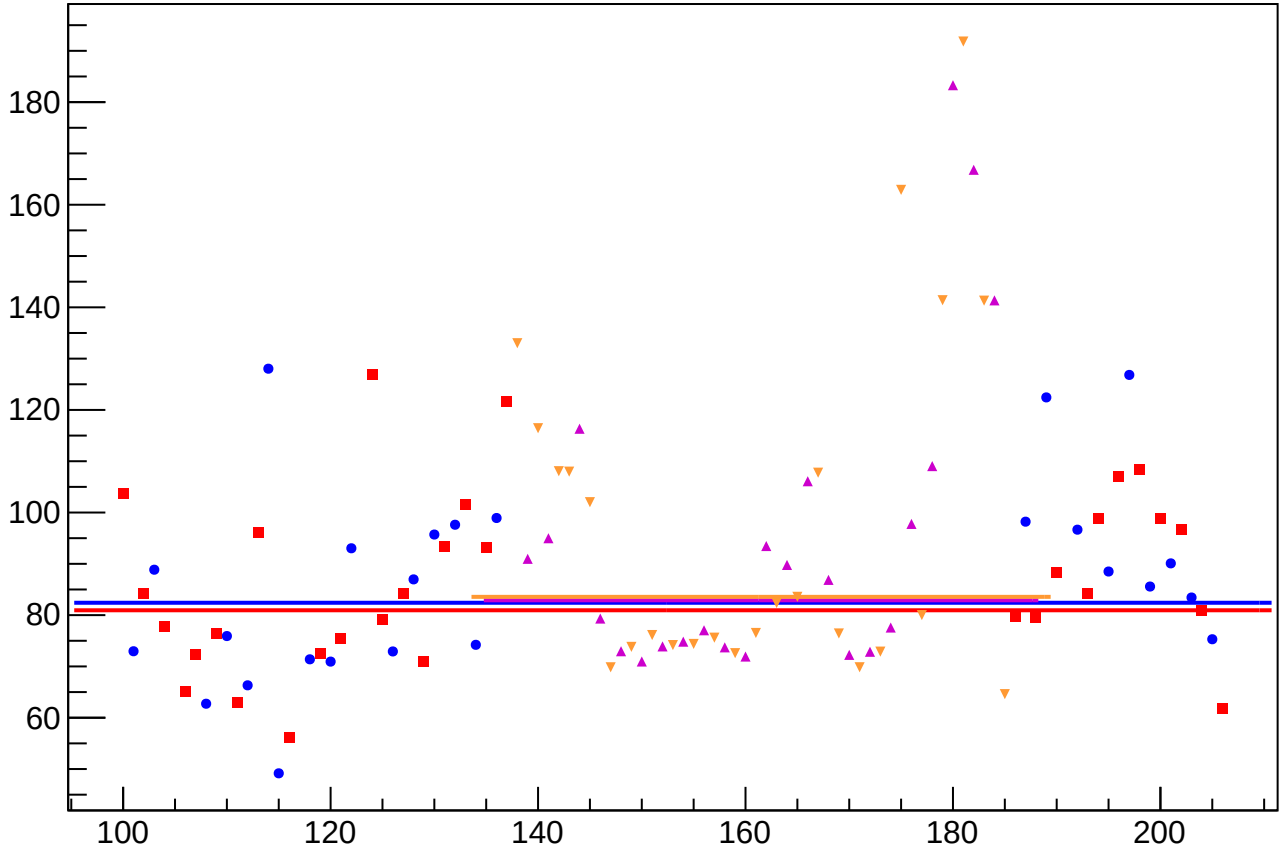
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.002+/-0.015 χ^2/NDF: 51.3/49

All: 0.009+/-0.011 χ^2/NDF: 123.7/102

- sign 0.018+/-0.015 χ^2/NDF: 71.5/52

asym_usr_dit_vs_cor_diff_rms vs Slug



Right In: 82.412+/-0.016 χ^2/NDF: 833280.5/24

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

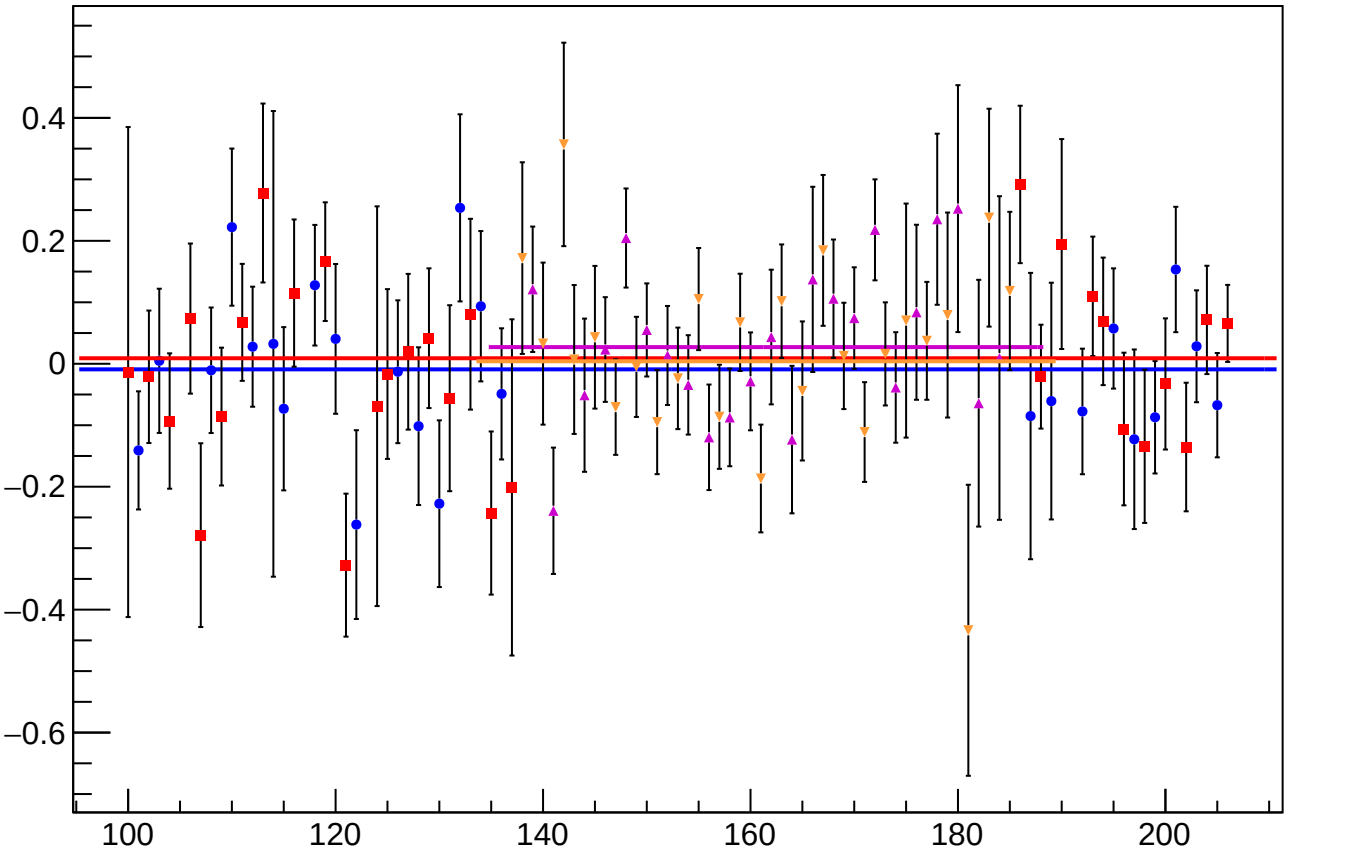
Right Out: 80.946+/-0.015 χ^2/NDF: 957065.7/29

Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

\+ sign 83.062+/-0.011 χ^2/NDF: 3009022.3/49

All: 82.481+/-0.007 χ^2/NDF: 5553429.1/102

\- sign 81.941+/-0.010 χ^2/NDF: 2538811.2/52



Right In: -0.009+/-0.023 χ^2/NDF: 22.9/24

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.009+/-0.021 χ^2/NDF: 39.2/29

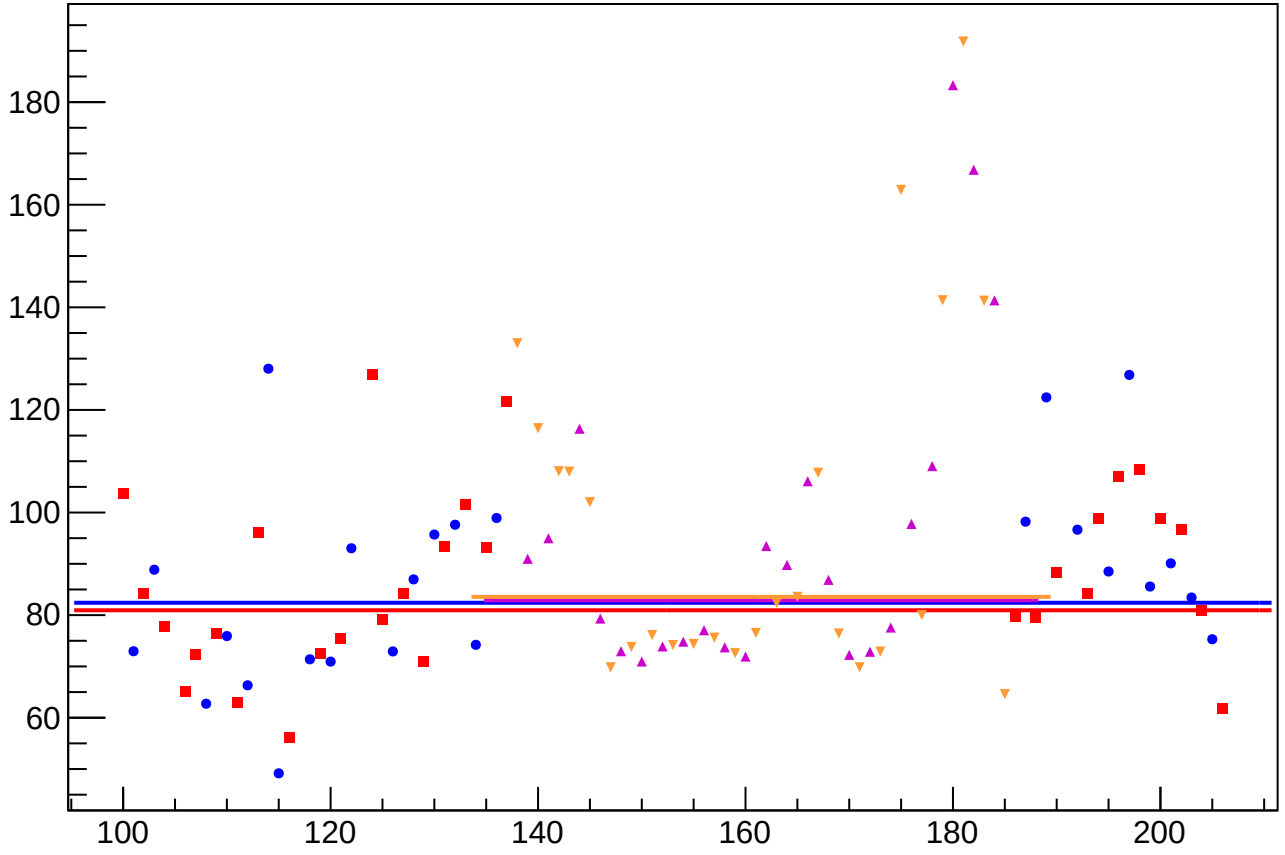
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.002+/-0.015 χ^2/NDF: 51.3/49

All: 0.009+/-0.011 χ^2/NDF: 123.7/102

- sign 0.018+/-0.015 χ^2/NDF: 71.5/52

asym_usr_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 82.412+/-0.016 χ^2/NDF: 833280.5/24

Left Out: 83.564+/-0.014 χ^2/NDF:2172931.4/24

Right Out: 80.946+/-0.015 χ^2/NDF: 957065.7/29

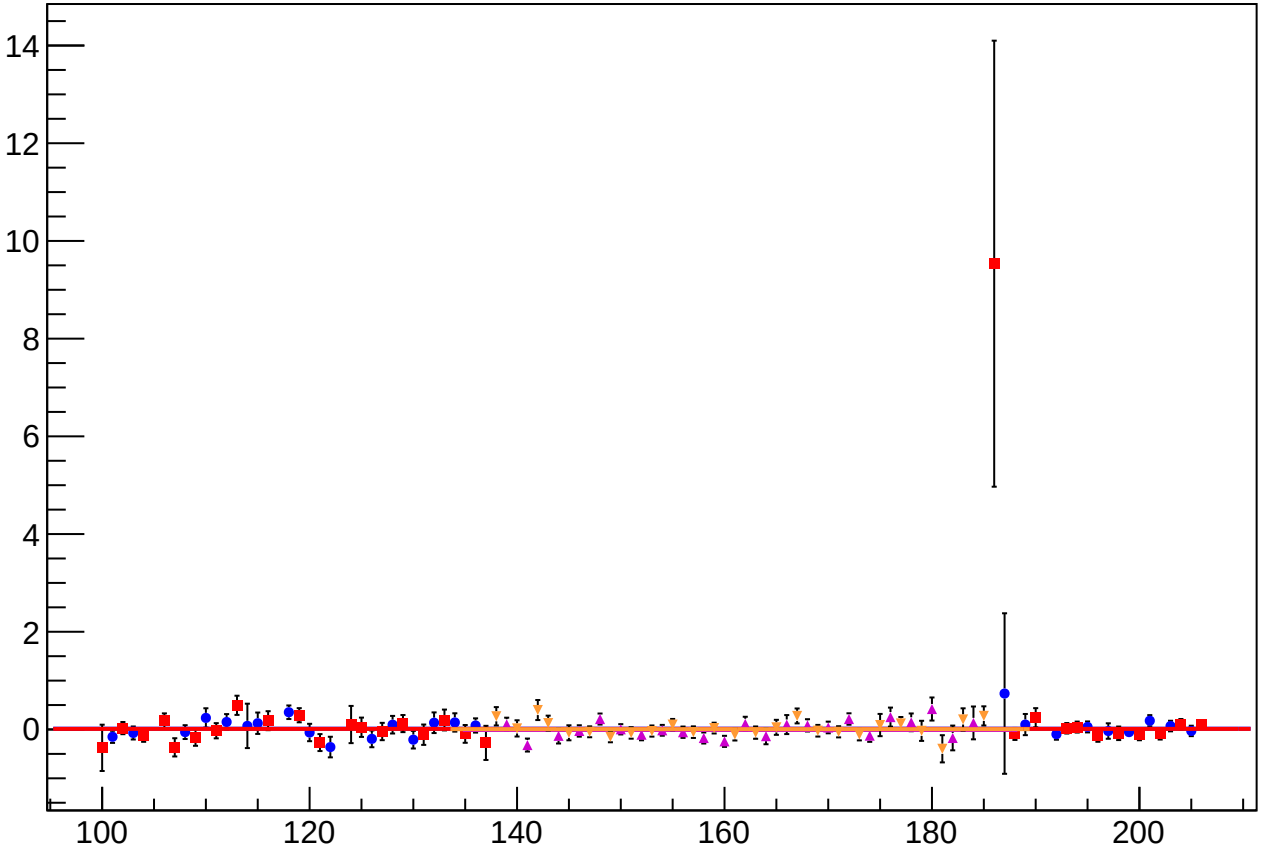
Left In: 82.891+/-0.015 χ^2/NDF:1573003.1/22

\+ sign 83.062+/-0.011 χ^2/NDF: 3009022.3/49

All: 82.481+/-0.007 χ^2/NDF: 5553429.1/102

\- sign 81.941+/-0.010 χ^2/NDF: 2538811.2/52

asym_usr_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.016+/-0.030 χ^2/NDF: 22.6/24

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.012+/-0.027 χ^2/NDF: 35.6/29

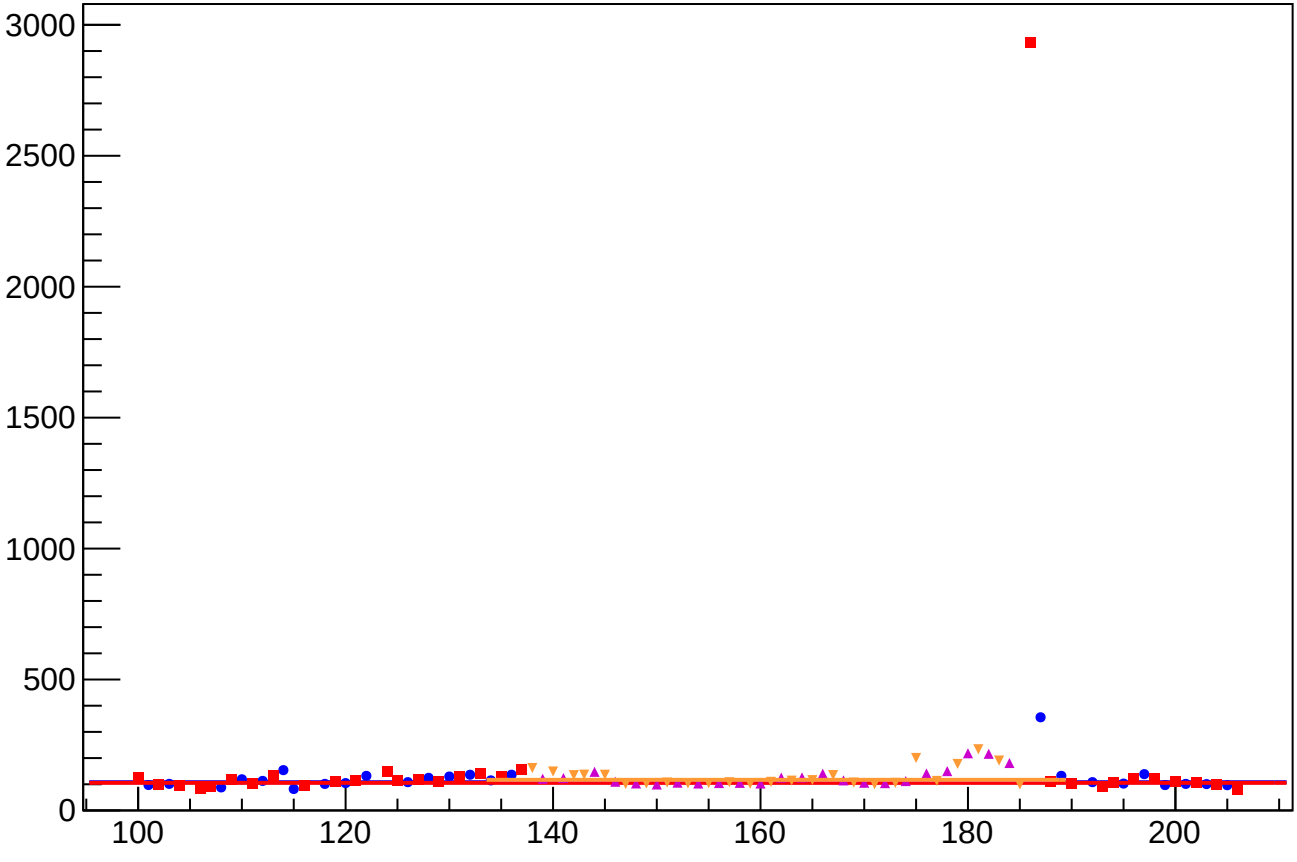
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.010+/-0.020 χ^2/NDF: 44.0/49

All: 0.006+/-0.014 χ^2/NDF: 111.3/102

- sign 0.001+/-0.020 χ^2/NDF: 67.2/52

asym_usr_dit_vs_overload_cor_diff_rms vs Slug



Right In: 107.780+/-0.021 χ^2/NDF: 519879.4/24

Left Out: 116.880+/-0.020 χ^2/NDF:1596935.1/24

Right Out: 105.501+/-0.019 χ^2/NDF: 1397442.4/29

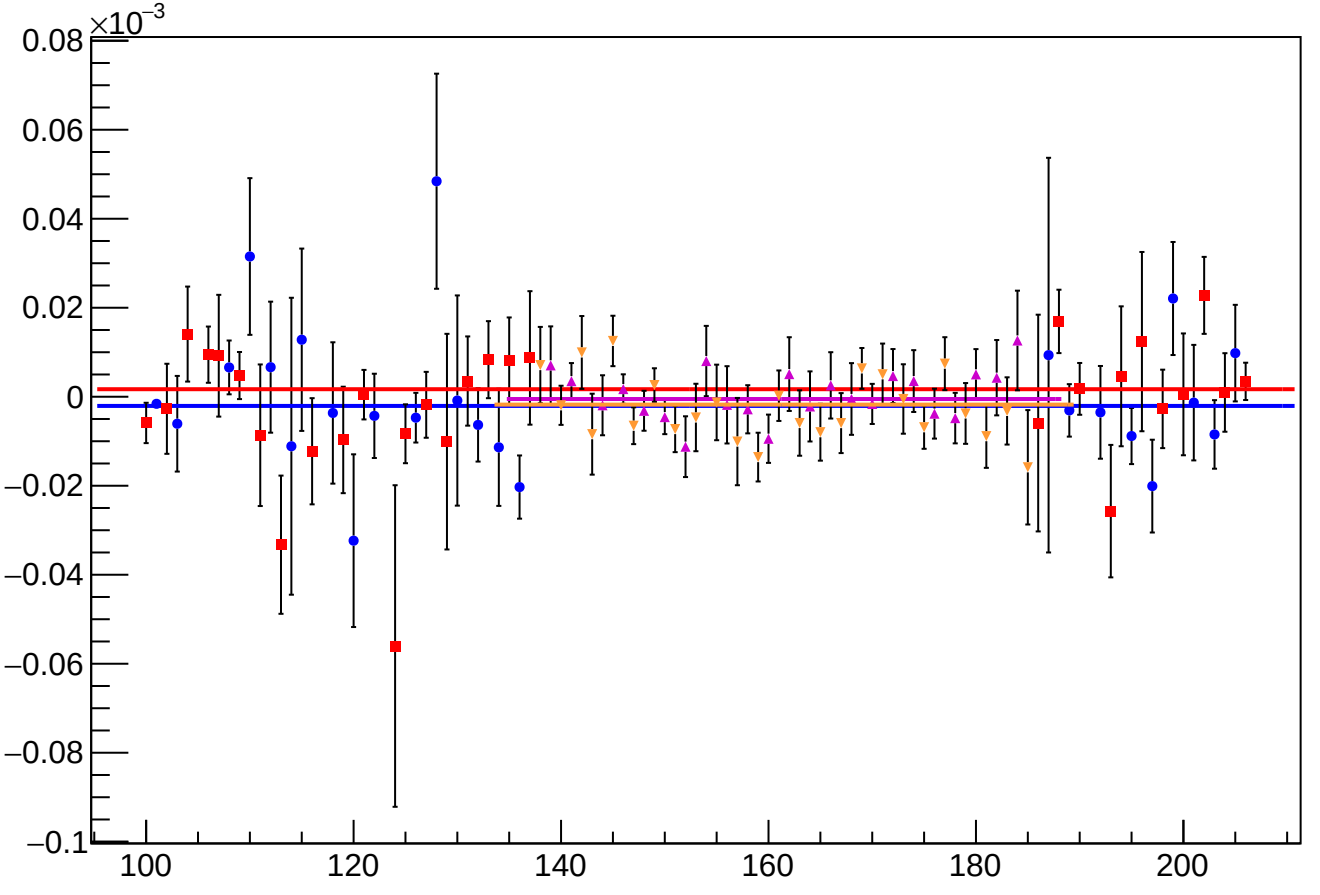
Left In: 115.858+/-0.020 χ^2/NDF:1231382.1/22

+ sign 112.661+/-0.014 χ^2/NDF: 2216427.7/49

All: 111.559+/-0.010 χ^2/NDF: 4995695.6/102

- sign 110.531+/-0.014 χ^2/NDF: 2767907.6/52

asym_usr_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 31.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.6/29

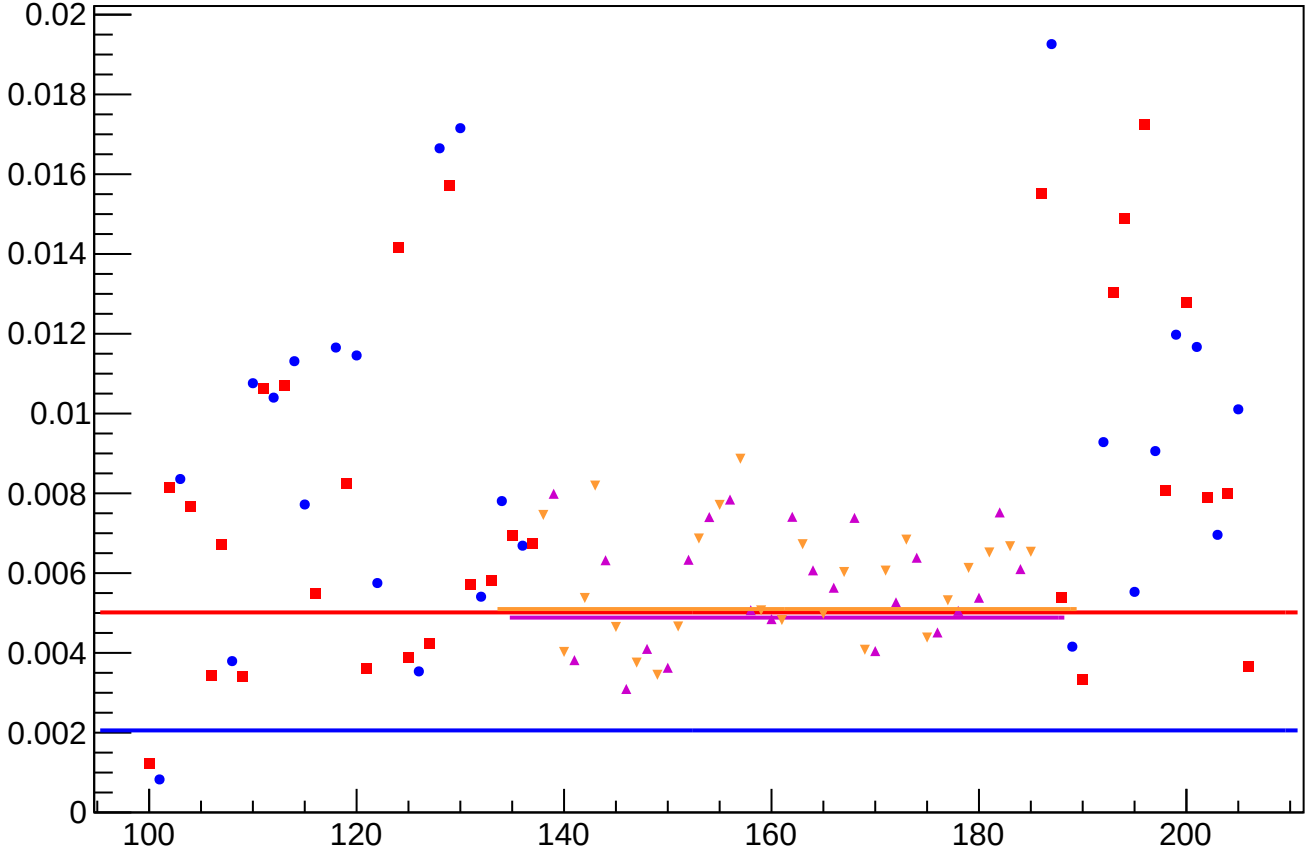
Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.3/49

All: -0.000+/-0.000 χ^2/NDF: 118.5/102

- sign 0.000+/-0.000 χ^2/NDF: 52.5/52

asym_usr_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 17063104.0/24

Left Out: 0.005+/-0.000 χ^2/NDF:2378649.6/24

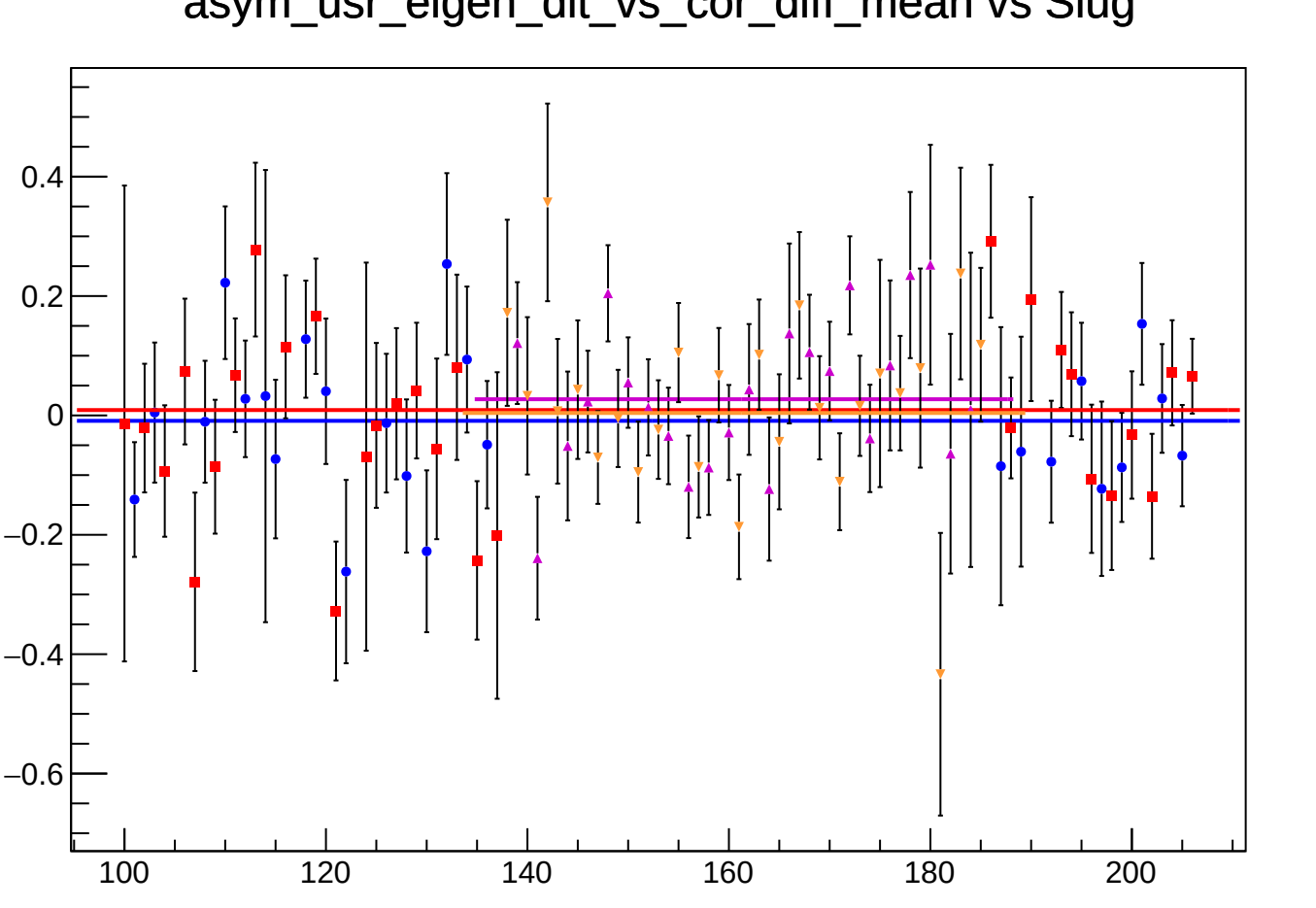
Right Out: 0.005+/-0.000 χ^2/NDF: 7776429.2/29

Left In: 0.005+/-0.000 χ^2/NDF:2725463.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 27402094.5/49

All: 0.004+/-0.000 χ^2/NDF: 42247010.8/102

- sign 0.005+/-0.000 χ^2/NDF: 10510954.8/52



Right In: -0.009+/-0.023 χ^2/NDF: 22.9/24

Left Out: 0.004+/-0.020 χ^2/NDF:28.2/24

Right Out: 0.009+/-0.021 χ^2/NDF: 39.2/29

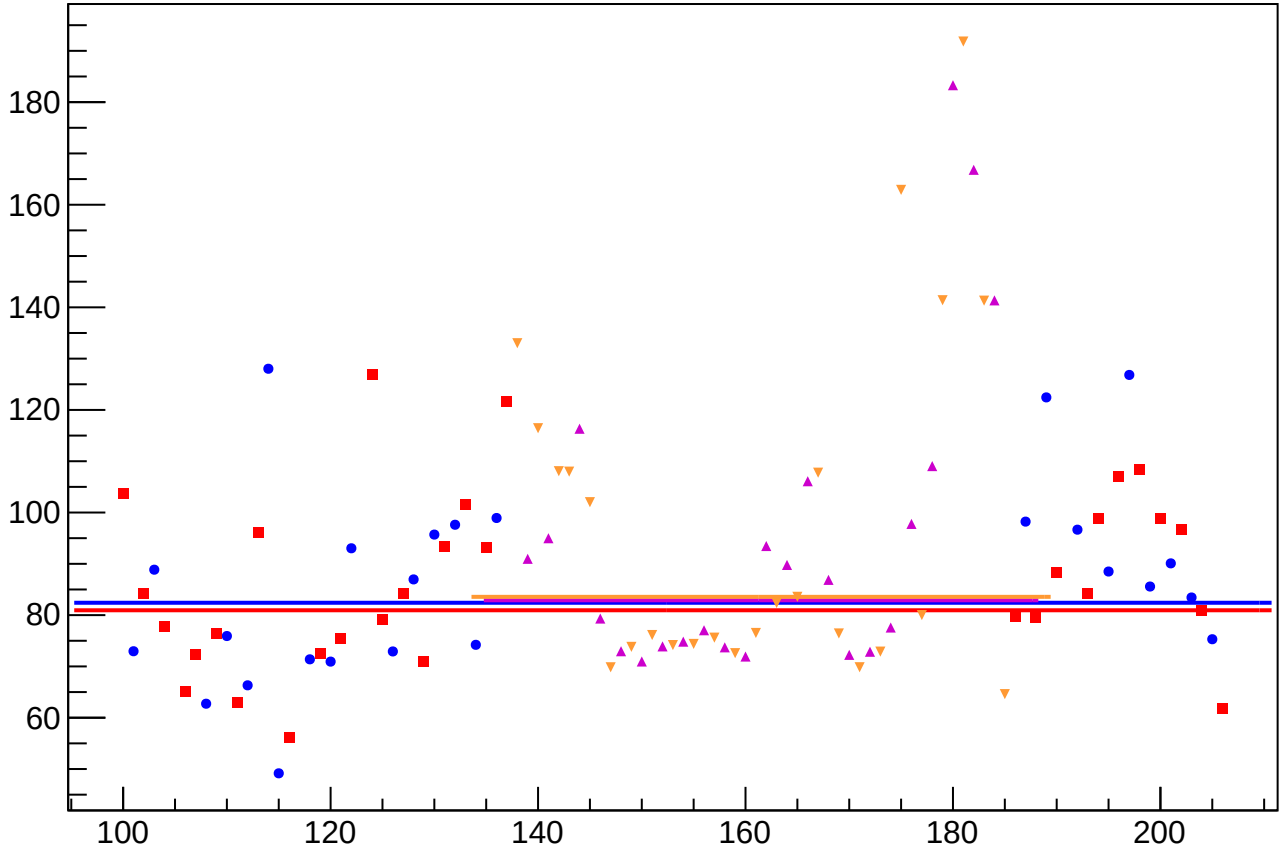
Left In: 0.027+/-0.021 χ^2/NDF:32.0/22

+ sign -0.002+/-0.015 χ^2/NDF: 51.3/49

All: 0.009+/-0.011 χ^2/NDF: 123.7/102

- sign 0.018+/-0.015 χ^2/NDF: 71.5/52

asym_usr_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 82.411+/-0.016 χ^2/NDF: 833294.5/24

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

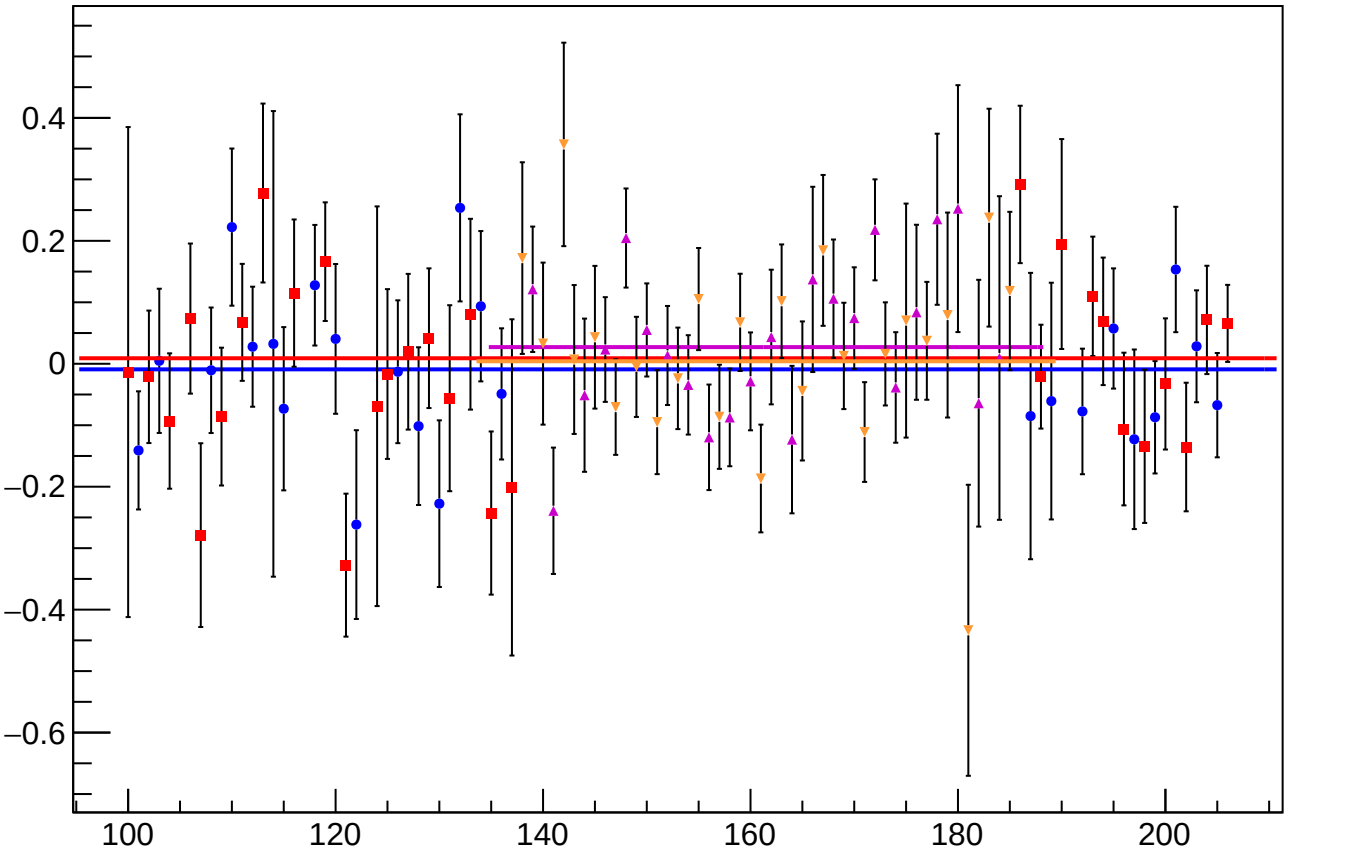
Right Out: 80.945+/-0.015 χ^2/NDF: 957018.3/29

Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

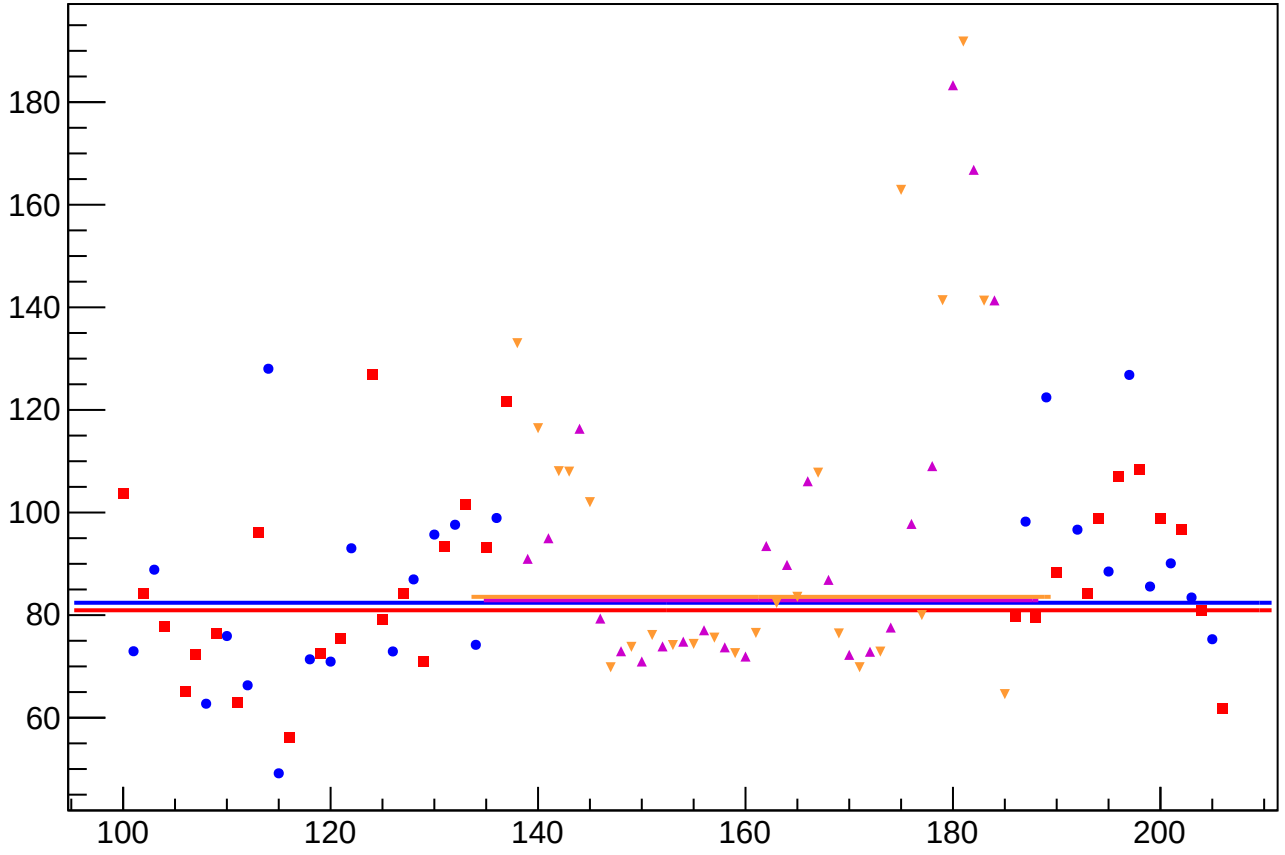
\+ sign 83.062+/-0.011 χ^2/NDF: 3009032.6/49

All: 82.481+/-0.007 χ^2/NDF: 5553382.5/102

\- sign 81.941+/-0.010 χ^2/NDF: 2538752.5/52


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: -0.009+/-0.023 χ²/NDF: 22.9/24
Left Out: 0.004+/-0.020 χ²/NDF:28.2/24
Right Out: 0.009+/-0.021 χ²/NDF: 39.2/29
Left In: 0.027+/-0.021 χ²/NDF:32.0/22
+ sign -0.002+/-0.015 χ²/NDF: 51.3/49
All: 0.009+/-0.011 χ²/NDF: 123.7/102
- sign 0.018+/-0.015 χ²/NDF: 71.5/52

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 82.411+/-0.016 χ^2/NDF: 833294.5/24

Left Out: 83.565+/-0.014 χ^2/NDF:2172921.0/24

Right Out: 80.945+/-0.015 χ^2/NDF: 957018.3/29

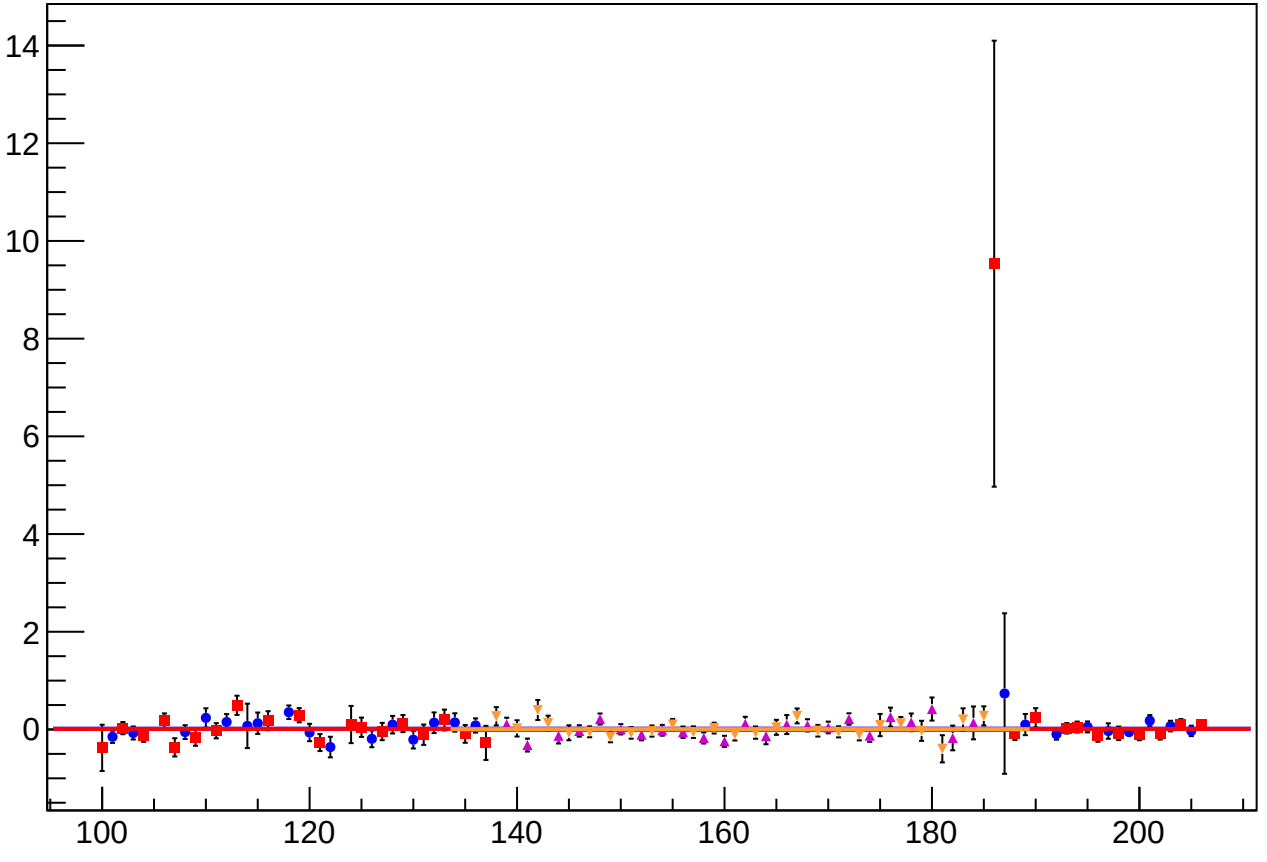
Left In: 82.891+/-0.015 χ^2/NDF:1572981.0/22

+ sign 83.062+/-0.011 χ^2/NDF: 3009032.6/49

All: 82.481+/-0.007 χ^2/NDF: 5553382.5/102

- sign 81.941+/-0.010 χ^2/NDF: 2538752.5/52

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs Slug



Right In: 0.016+/-0.030 χ^2/NDF: 22.6/24

Left Out: 0.006+/-0.028 χ^2/NDF:21.3/24

Right Out: 0.012+/-0.027 χ^2/NDF: 35.6/29

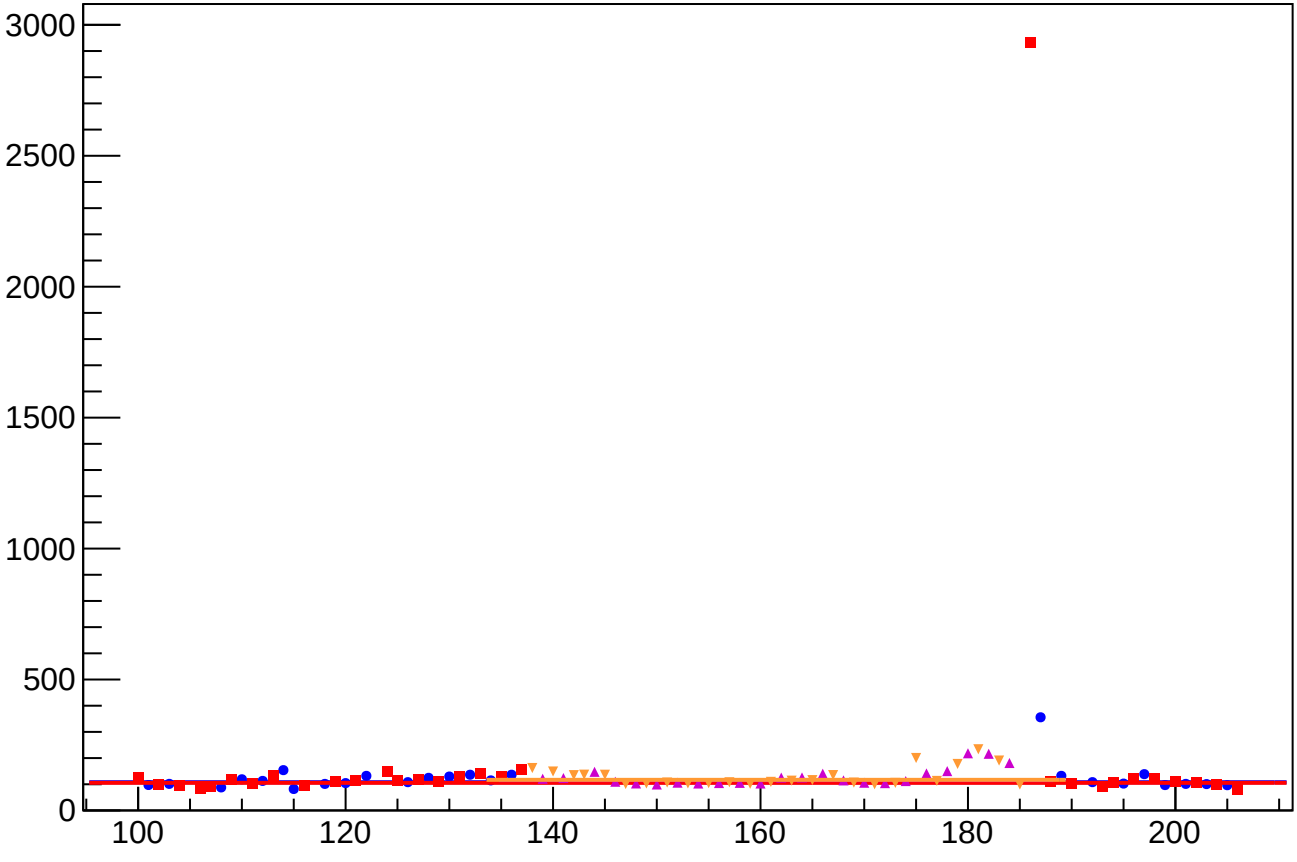
Left In: -0.010+/-0.028 χ^2/NDF:31.3/22

+ sign 0.010+/-0.020 χ^2/NDF: 44.0/49

All: 0.006+/-0.014 χ^2/NDF: 111.3/102

- sign 0.001+/-0.020 χ^2/NDF: 67.2/52

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs Slug



Right In: 107.779+/-0.021 χ^2/NDF: 519832.1/24

Left Out: 116.880+/-0.020 χ^2/NDF:1596928.7/24

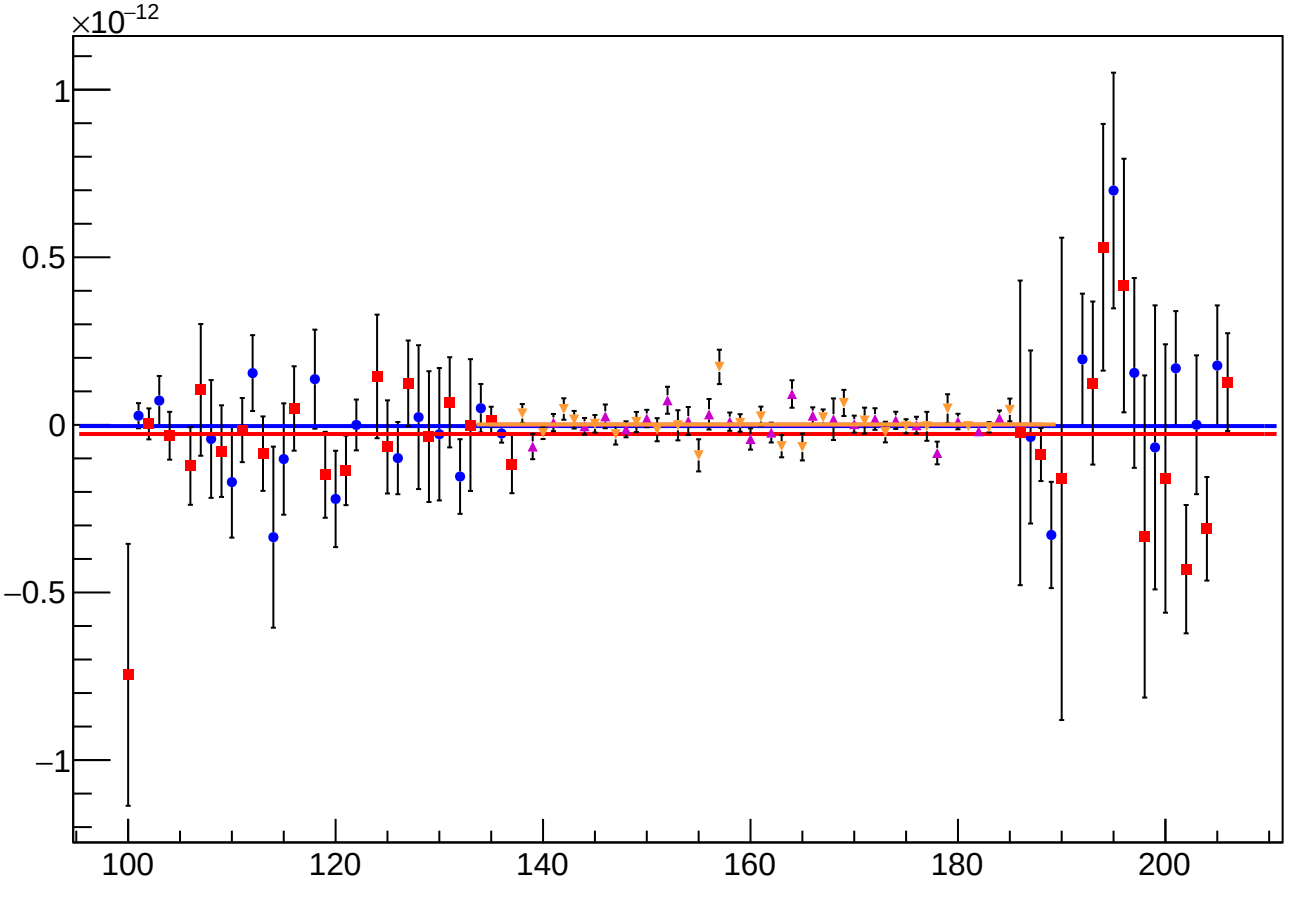
Right Out: 105.501+/-0.019 χ^2/NDF: 1397375.7/29

Left In: 115.858+/-0.020 χ^2/NDF:1231371.8/22

+ sign 112.662+/-0.014 χ^2/NDF: 2216391.7/49

All: 111.559+/-0.010 χ^2/NDF: 4995598.9/102

- sign 110.531+/-0.014 χ^2/NDF: 2767846.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:36.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/29

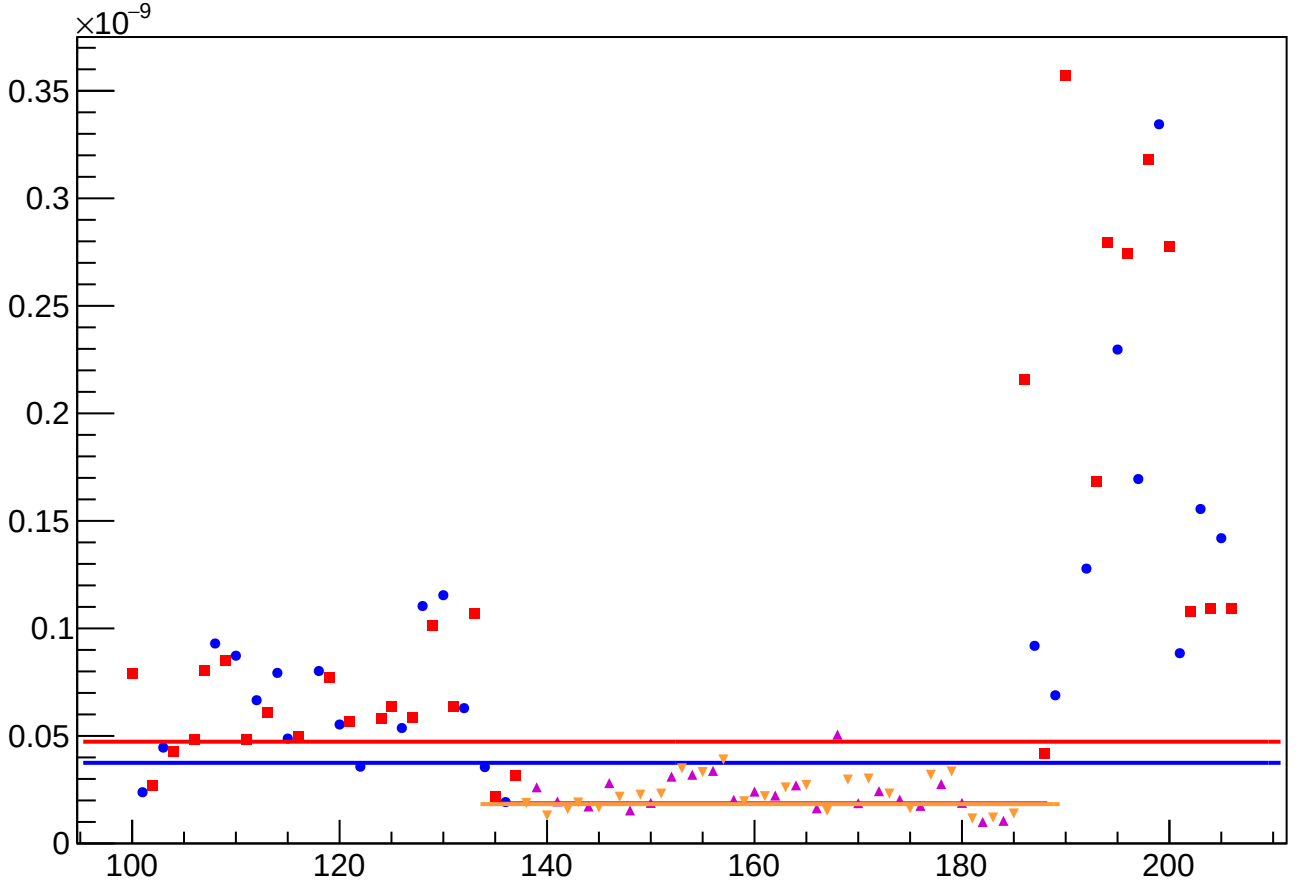
Left In: 0.000+/-0.000 χ^2/NDF:26.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/49

All: -0.000+/-0.000 χ^2/NDF: 117.5/102

- sign -0.000+/-0.000 χ^2/NDF: 55.4/52

asym_usr_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6757114.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:3029080.3/24

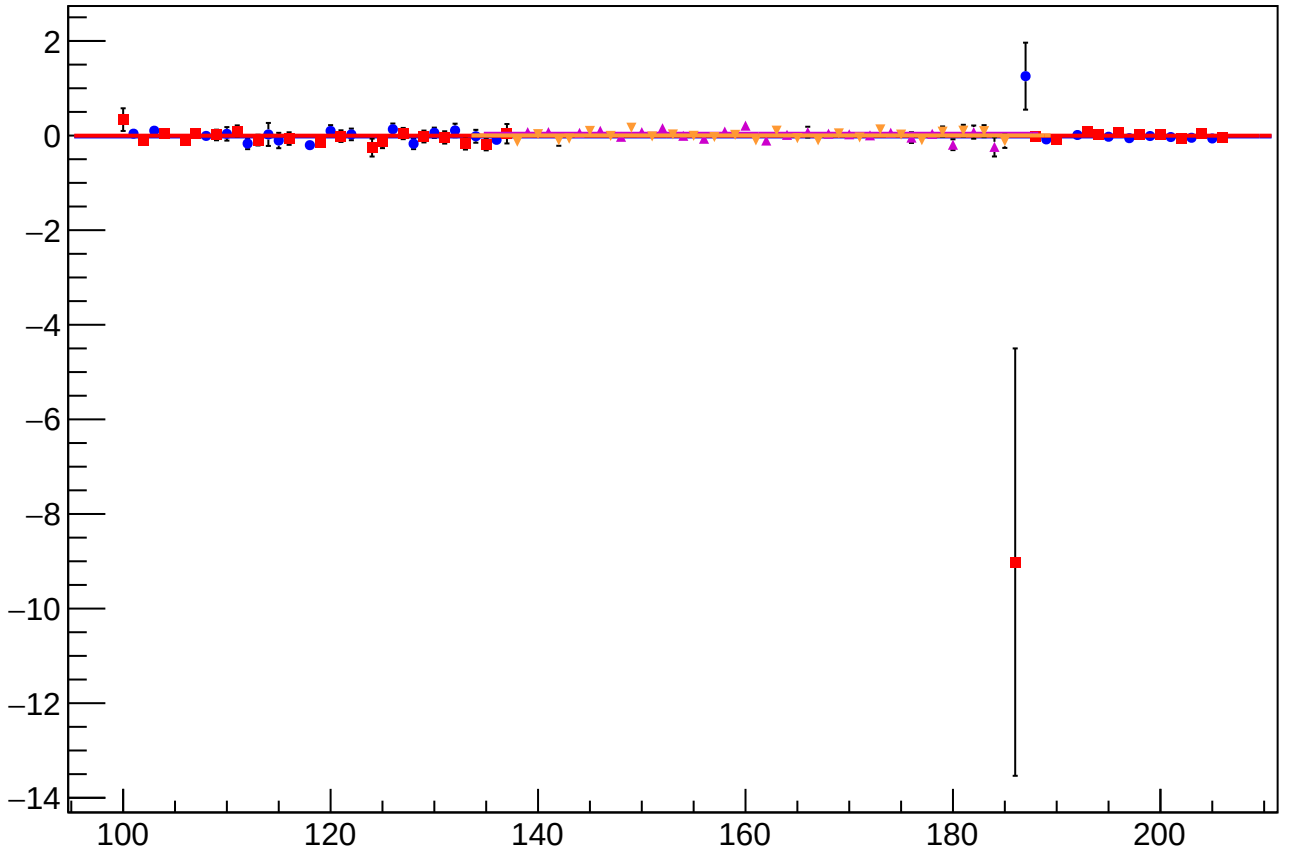
Right Out: 0.000+/-0.000 χ^2/NDF: 6935831.7/29

Left In: 0.000+/-0.000 χ^2/NDF:2908977.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12011187.6/49

All: 0.000+/-0.000 χ^2/NDF: 25769989.1/102

- sign 0.000+/-0.000 χ^2/NDF: 13732677.9/52



Right In: -0.019+/-0.014 χ^2/NDF: 23.8/24

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.002+/-0.012 χ^2/NDF: 36.4/29

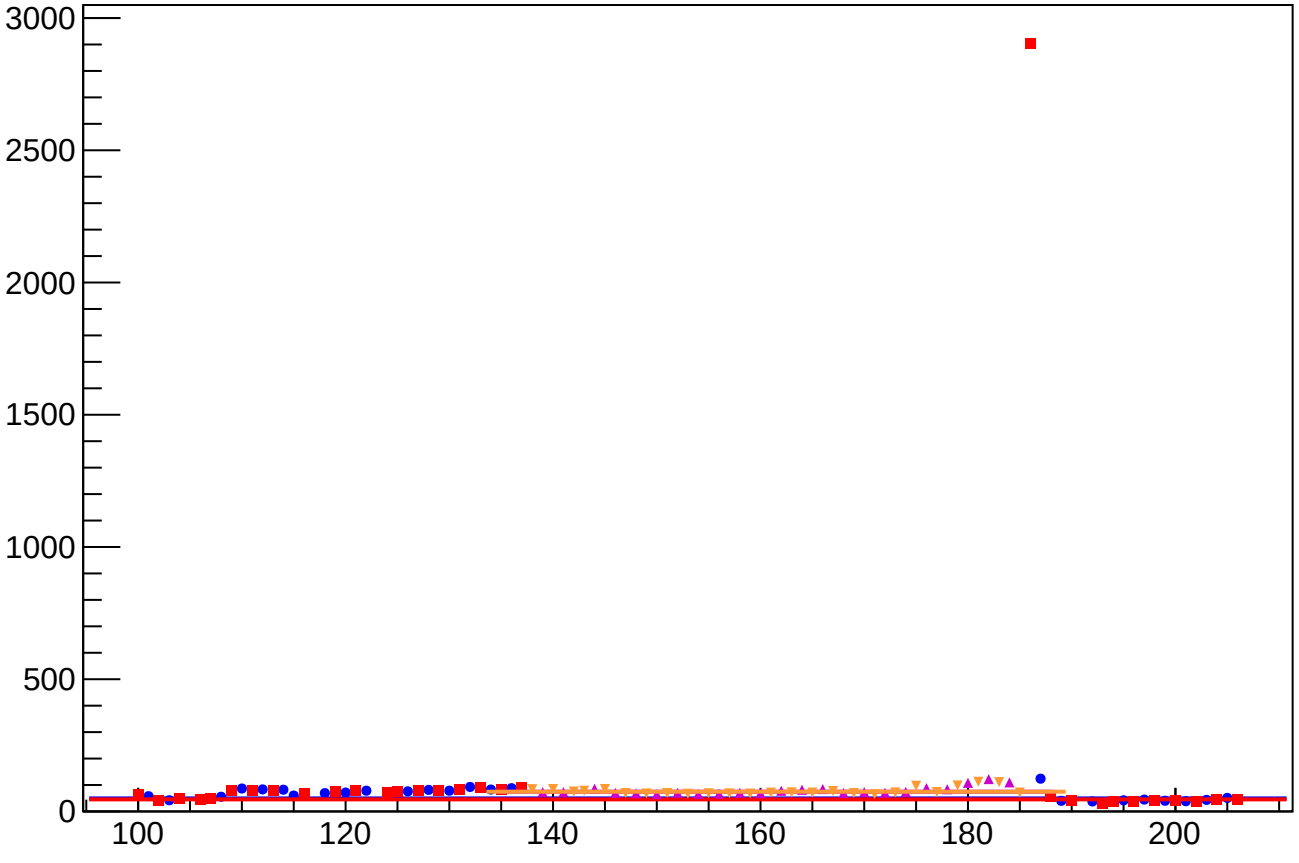
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.010+/-0.011 χ^2/NDF: 46.3/49

All: 0.001+/-0.007 χ^2/NDF: 109.8/102

- sign 0.011+/-0.010 χ^2/NDF: 61.5/52

asym_usr_overload_cor_vs_cor_diff_rms vs Slug



Right In: 49.263+/-0.010 χ^2/NDF: 2240574.2/24

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

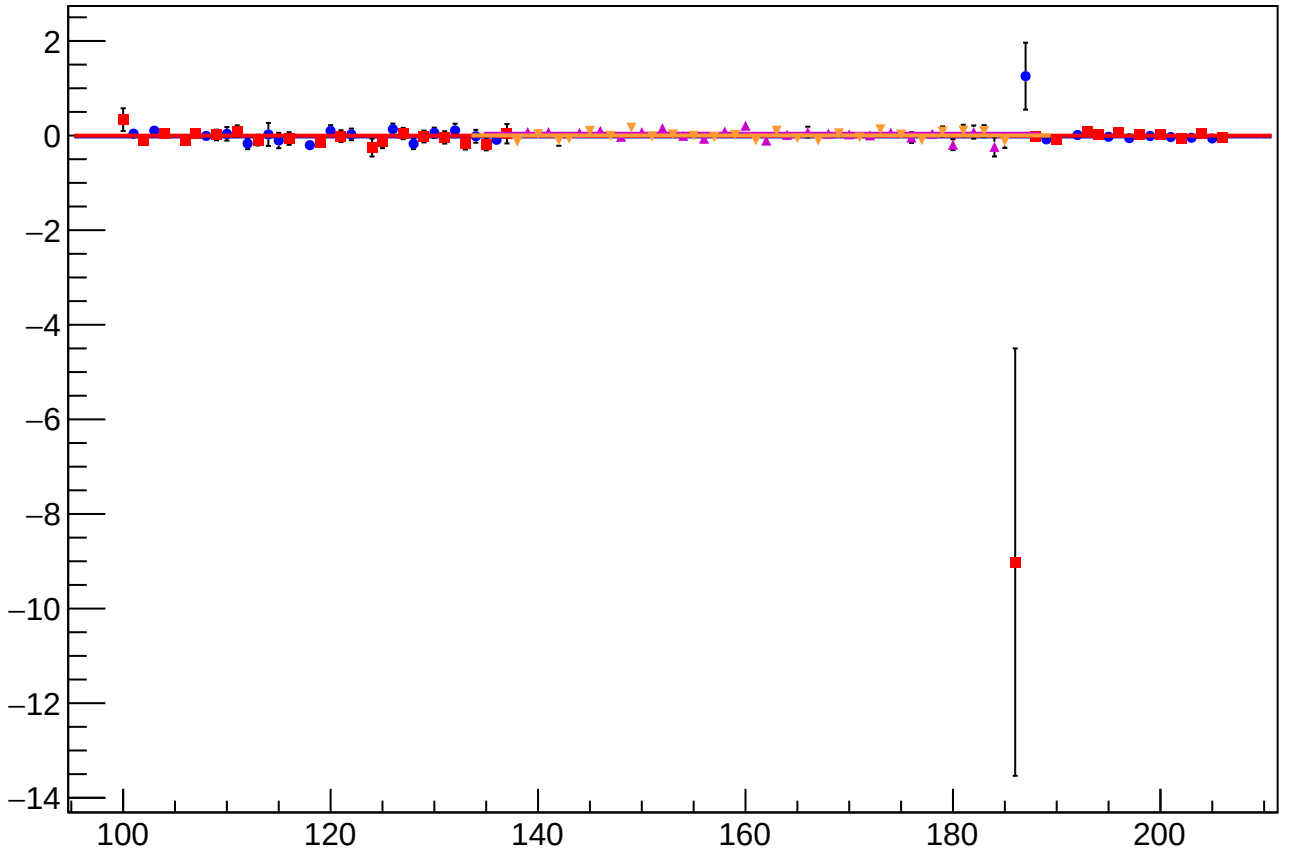
Right Out: 45.672+/-0.009 χ^2/NDF: 3611315.6/29

Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 59.377+/-0.008 χ^2/NDF: 5565233.8/49

All: 57.122+/-0.005 χ^2/NDF: 13568048.8/102

- sign 55.161+/-0.007 χ^2/NDF: 7845019.0/52



Right In: -0.019+/-0.014 χ^2/NDF: 23.8/24

Left Out: 0.003+/-0.017 χ^2/NDF:21.5/24

Right Out: -0.002+/-0.012 χ^2/NDF: 36.4/29

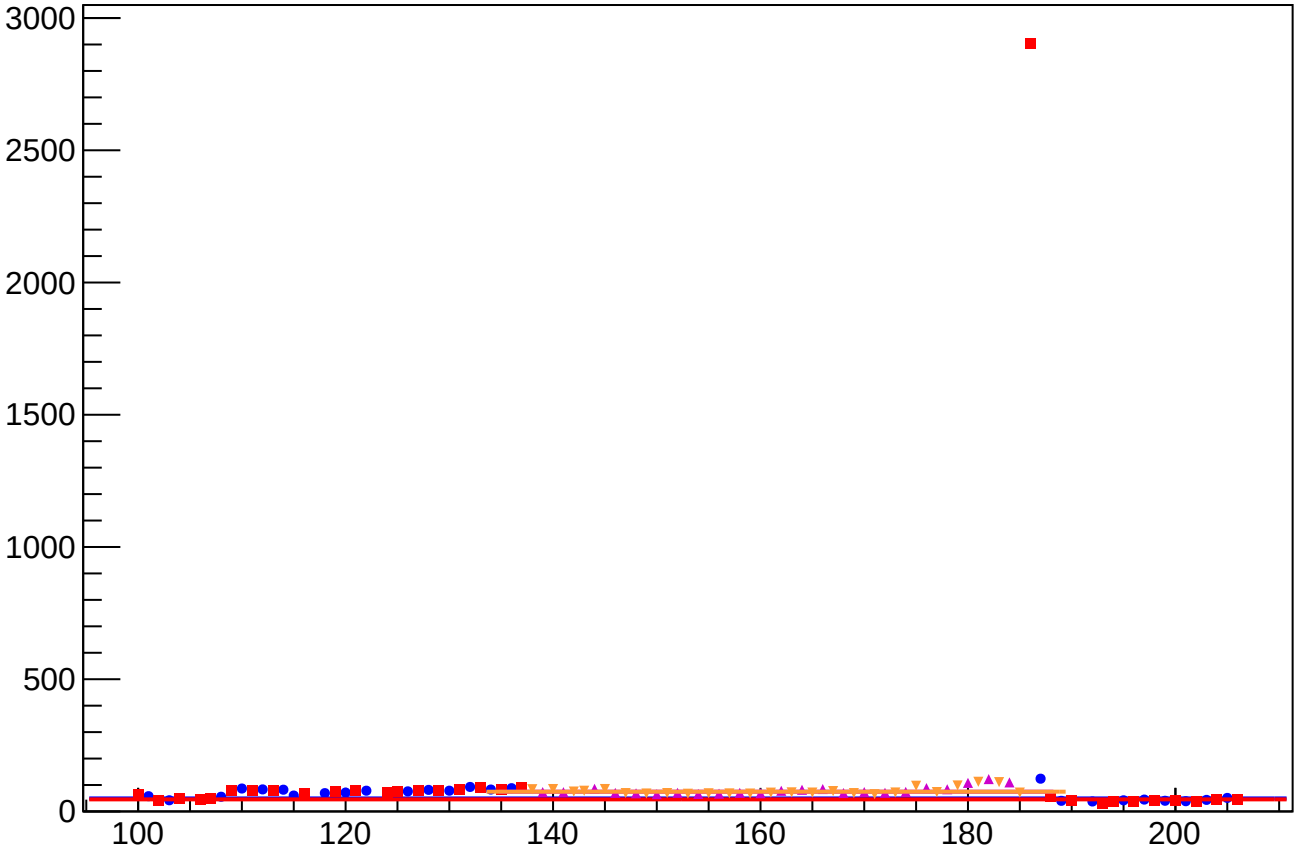
Left In: 0.038+/-0.018 χ^2/NDF:21.6/22

+ sign -0.010+/-0.011 χ^2/NDF: 46.3/49

All: 0.001+/-0.007 χ^2/NDF: 109.8/102

- sign 0.011+/-0.010 χ^2/NDF: 61.5/52

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs Slug



Right In: 49.263+/-0.010 χ^2/NDF: 2240574.2/24

Left Out: 74.749+/-0.012 χ^2/NDF:744366.0/24

Right Out: 45.672+/-0.009 χ^2/NDF: 3611315.6/29

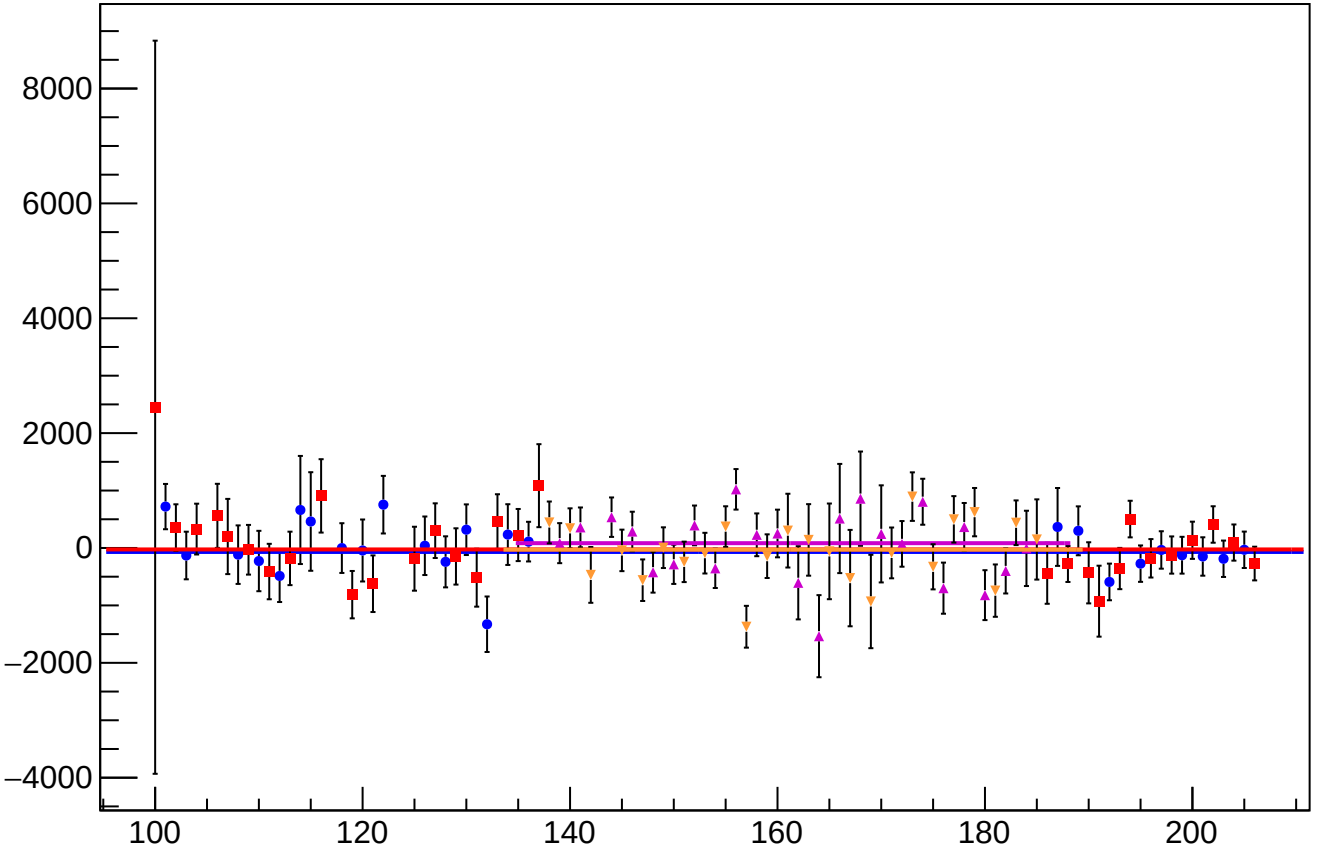
Left In: 74.601+/-0.013 χ^2/NDF:713751.1/22

+ sign 59.377+/-0.008 χ^2/NDF: 5565233.8/49

All: 57.122+/-0.005 χ^2/NDF: 13568048.8/102

- sign 55.161+/-0.007 χ^2/NDF: 7845019.0/52

asym_dsl_mean vs Slug



Right In: -69.065+/-82.883 χ^2/NDF: 21.5/24

Left Out: -29.346+/-86.530 χ^2/NDF:36.6/23

Right Out: -25.367+/-77.271 χ^2/NDF: 27.0/29

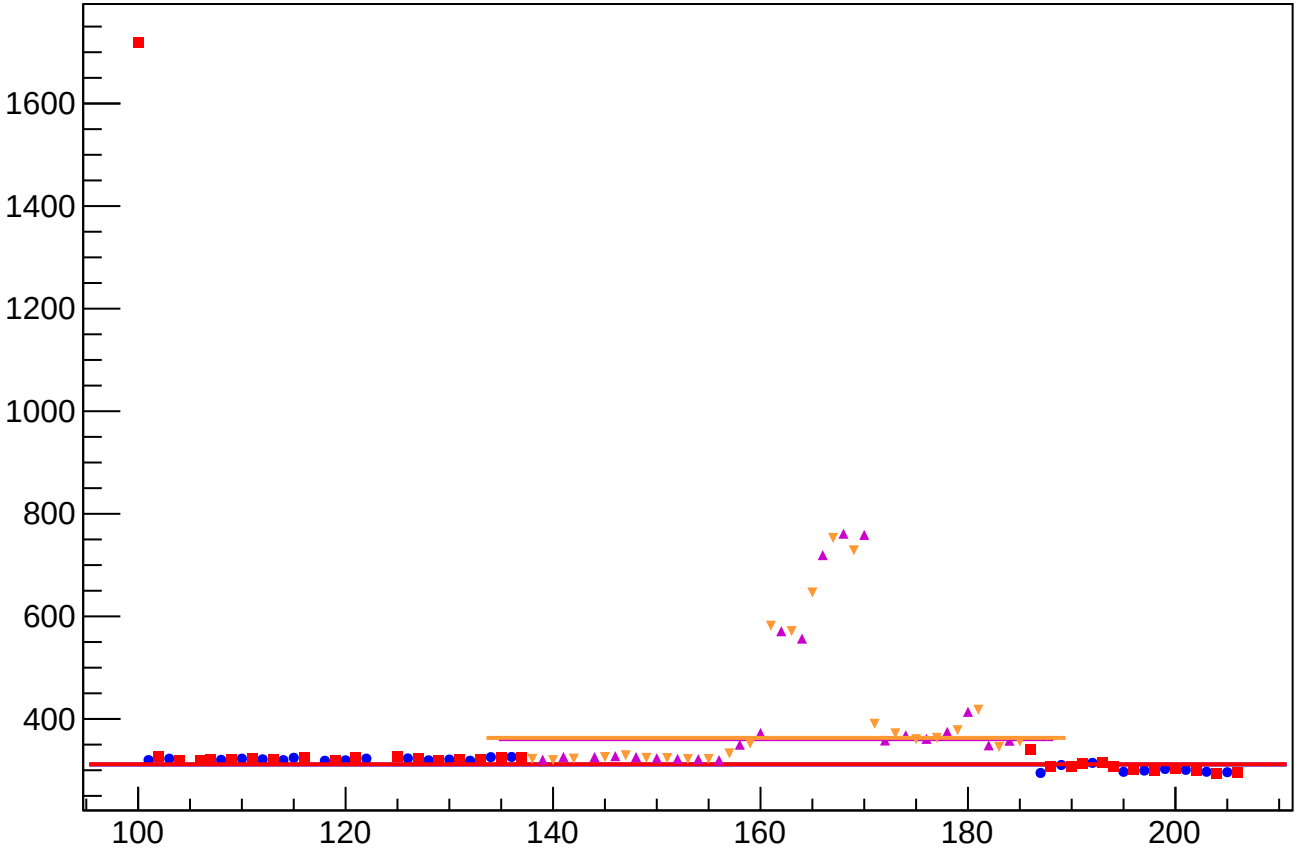
Left In: 83.719+/-86.476 χ^2/NDF:35.8/22

+ sign -50.060+/-59.855 χ^2/NDF: 58.2/48

All: -12.107+/-41.511 χ^2/NDF: 122.7/101

- sign 23.064+/-57.619 χ^2/NDF: 63.7/52

asym_dsl_rms vs Slug



Right In: 311.179+/-0.059 χ^2/NDF: 36015.4/24

Left Out: 363.079+/-0.061 χ^2/NDF:1795570.0/23

Right Out: 311.647+/-0.055 χ^2/NDF: 142782.4/29

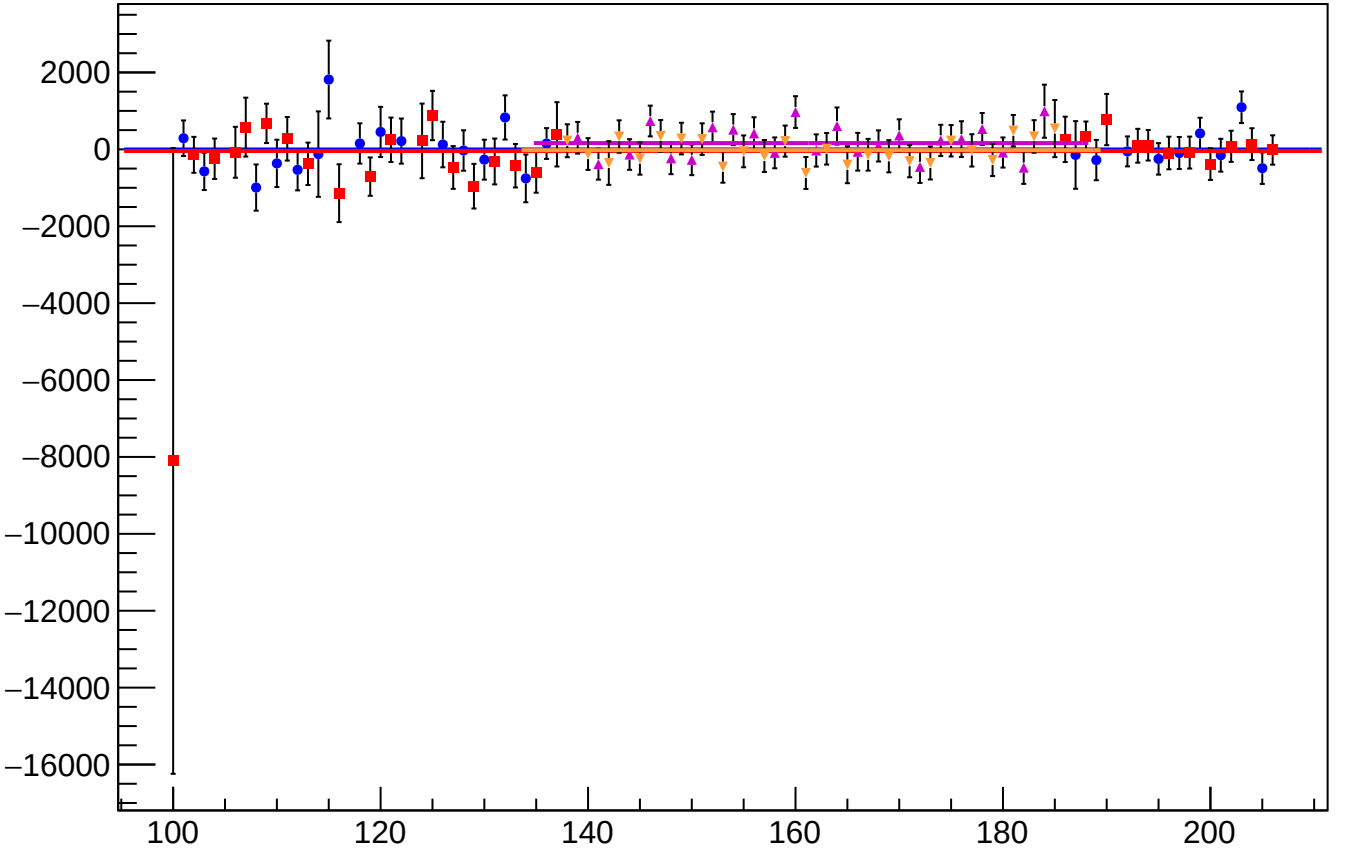
Left In: 360.585+/-0.061 χ^2/NDF:1817691.0/22

+ sign 336.012+/-0.042 χ^2/NDF: 2206819.6/48

All: 334.643+/-0.029 χ^2/NDF: 4525472.0/101

- sign 333.374+/-0.041 χ^2/NDF: 2316635.0/52

asym_dsr_mean vs Slug



Right In: -3.377+/-101.484 χ^2/NDF: 24.2/24

Left Out: -21.061+/-85.620 χ^2/NDF:12.6/24

Right Out: -43.348+/-94.905 χ^2/NDF: 19.8/29

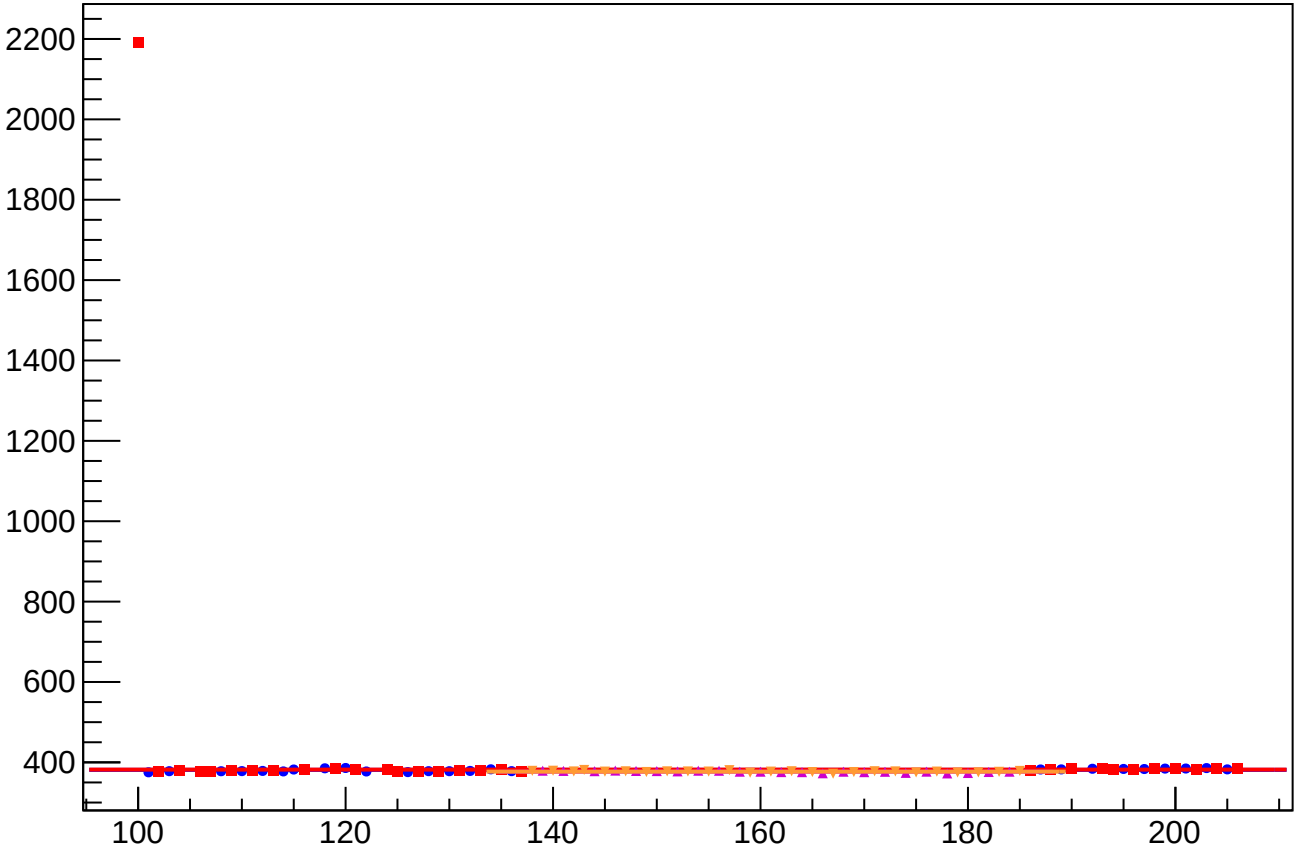
Left In: 162.992+/-87.991 χ^2/NDF:21.8/22

\+ sign -13.708+/-65.441 χ^2/NDF: 36.9/49

All: 27.524+/-45.947 χ^2/NDF: 81.8/102

\- sign 67.610+/-64.525 χ^2/NDF: 44.1/52

asym_dsr_rms vs Slug



Right In: 381.298+/-0.072 χ^2/NDF: 2148.5/24

Left Out: 376.906+/-0.061 χ^2/NDF:1058.3/24

Right Out: 381.919+/-0.067 χ^2/NDF: 100665.9/29

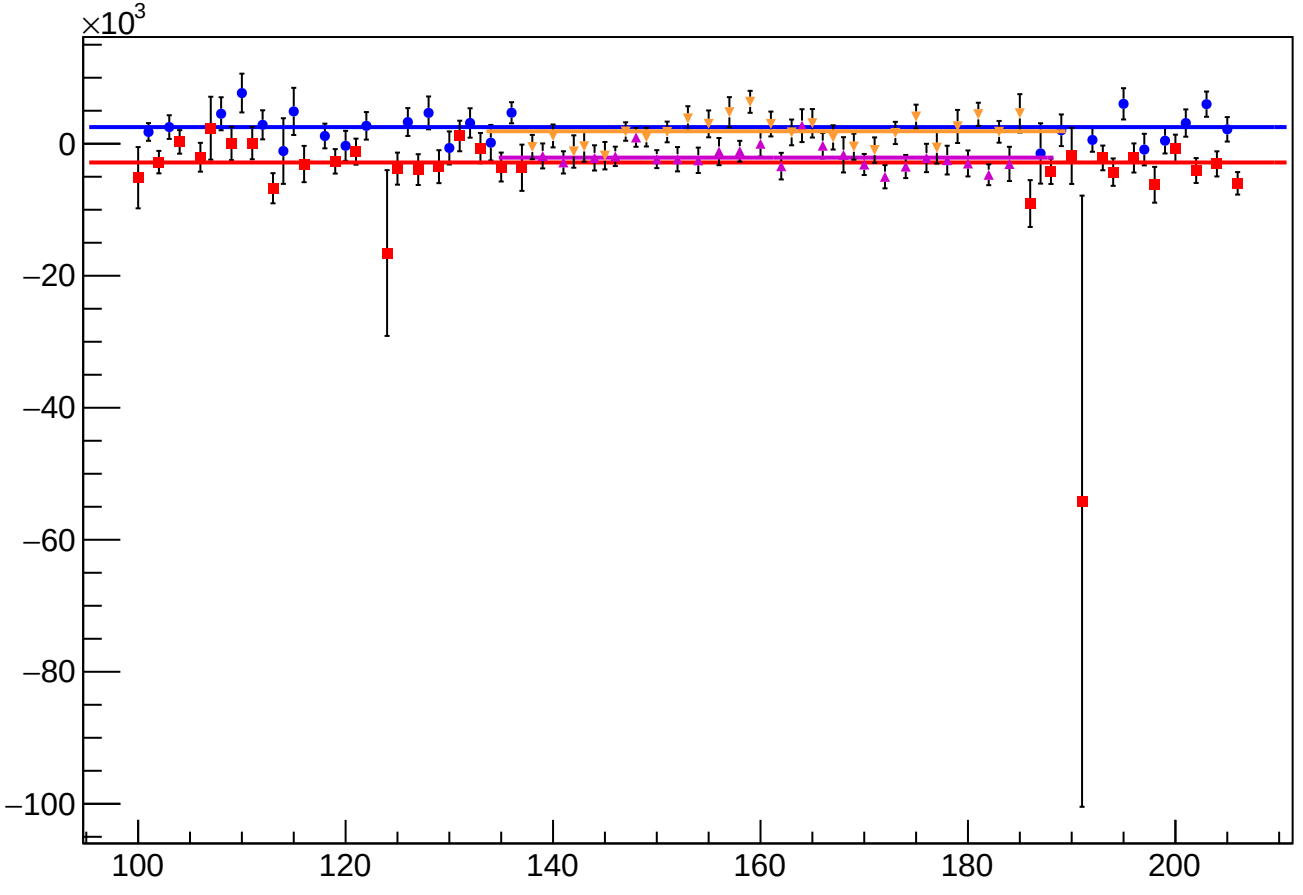
Left In: 376.846+/-0.062 χ^2/NDF:1074.1/22

+ sign 378.732+/-0.046 χ^2/NDF: 5395.2/49

All: 378.965+/-0.032 χ^2/NDF: 110257.8/102

- sign 379.191+/-0.046 χ^2/NDF: 104812.8/52

asym_us_agg_avg_mean vs Slug



Right In: 2519.351+/-430.099 χ^2/NDF: 23.1/24

Left Out: 1891.201+/-375.290 χ^2/NDF:28.4/24

Right Out: -2840.979+/-417.980 χ^2/NDF: 28.6/30

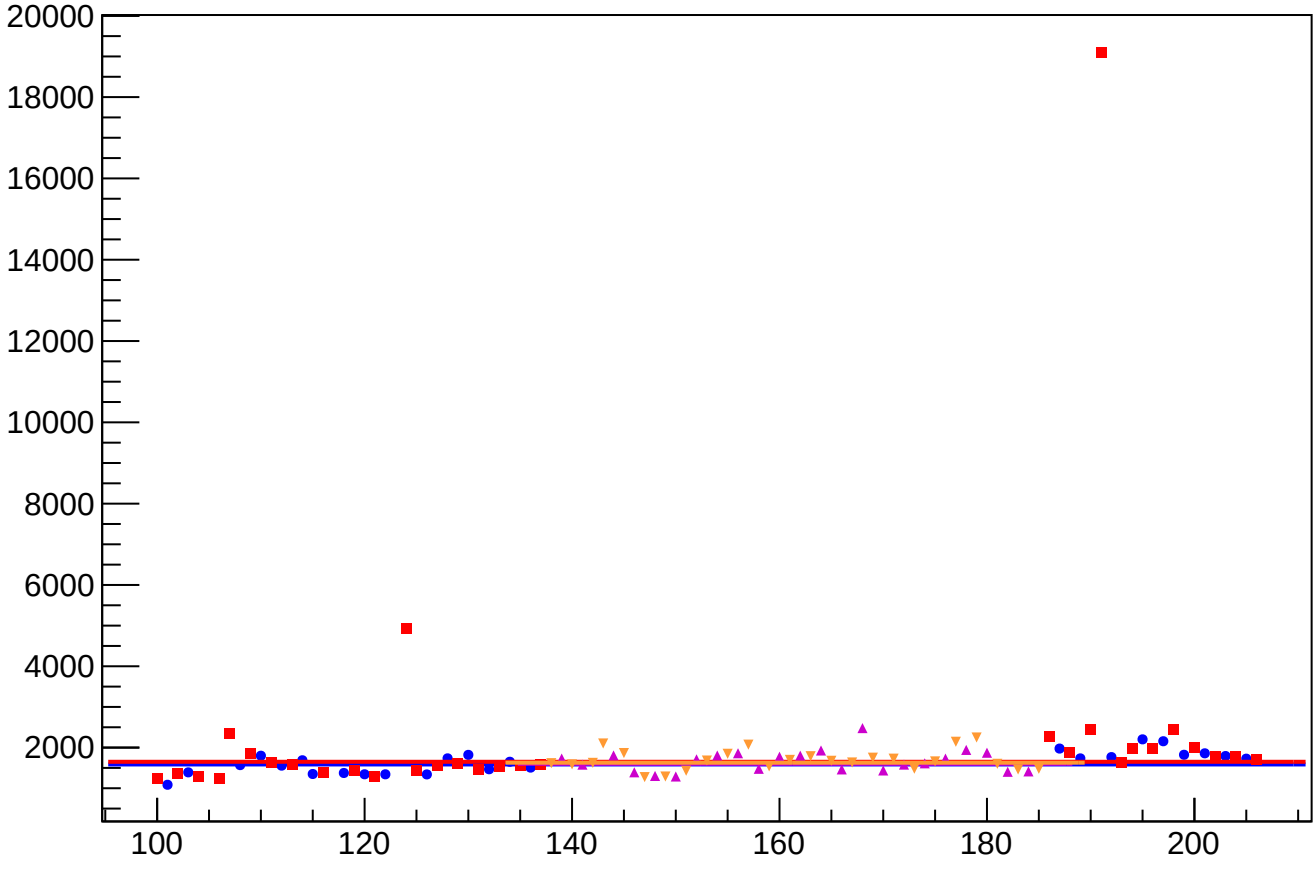
Left In: -2105.415+/-379.051 χ^2/NDF:18.6/22

+ sign 2162.725+/-282.775 χ^2/NDF: 52.7/49

All: -153.552+/-199.245 χ^2/NDF: 234.8/103

- sign -2437.356+/-280.786 χ^2/NDF: 48.9/53

asym_us_agg_avg_rms vs Slug



Right In: 1585.003+/-0.304 χ^2/NDF: 853542.2/24

Left Out: 1628.479+/-0.265 χ^2/NDF:779094.7/24

Right Out: 1650.871+/-0.296 χ^2/NDF: 1358899.2/30

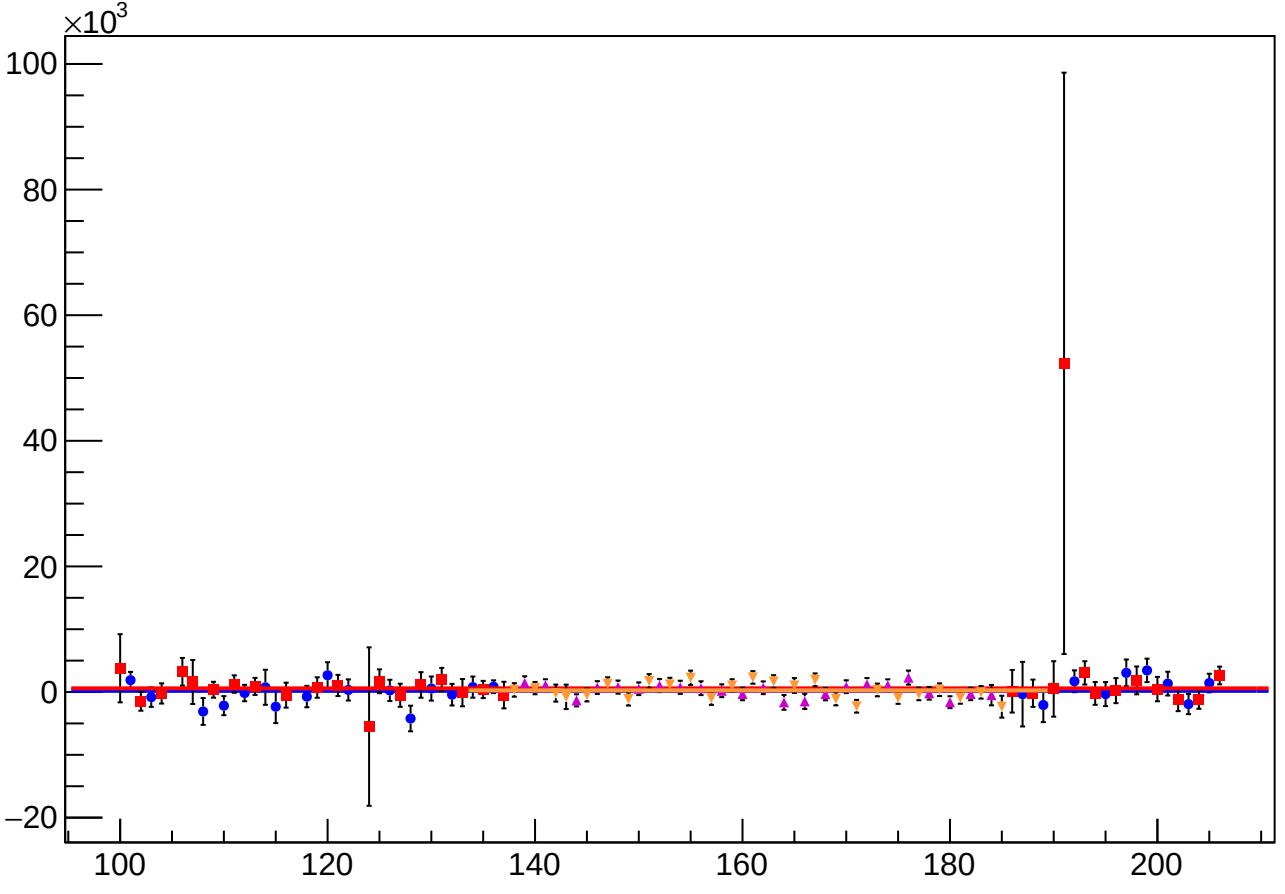
Left In: 1601.496+/-0.268 χ^2/NDF:793722.6/22

+ sign 1609.686+/-0.200 χ^2/NDF: 1644239.1/49

All: 1616.782+/-0.141 χ^2/NDF: 3814675.9/10

- sign 1623.778+/-0.199 χ^2/NDF: 2167935.8/53

asym_us_agg_dd_mean vs Slug



Right In: 188.394+/-345.929 χ^2/NDF: 24.2/24

Left Out: 262.383+/-214.962 χ^2/NDF:33.9/24

Right Out: 583.032+/-336.940 χ^2/NDF: 14.9/30

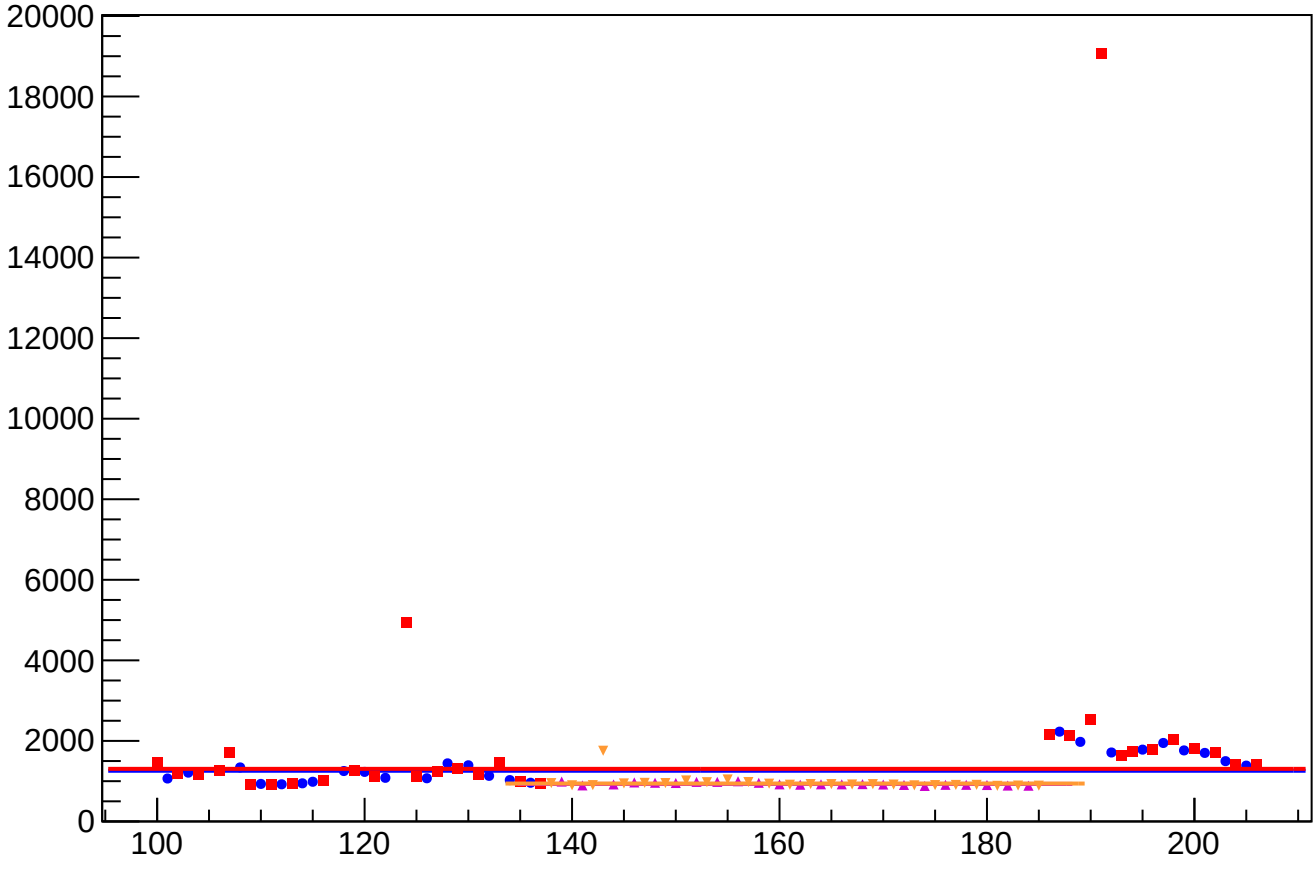
Left In: 267.059+/-217.685 χ^2/NDF:21.4/22

+ sign 241.771+/-182.582 χ^2/NDF: 58.1/49

All: 300.854+/-129.198 χ^2/NDF: 95.2/103

- sign 360.108+/-182.845 χ^2/NDF: 36.8/53

asym_us_agg_dd_rms vs Slug



Right In: 1258.737+/-0.245 χ^2/NDF: 1632775.8/24

Left Out: 941.013+/-0.152 χ^2/NDF:417710.2/24

Right Out: 1306.054+/-0.238 χ^2/NDF: 2632952.9/30

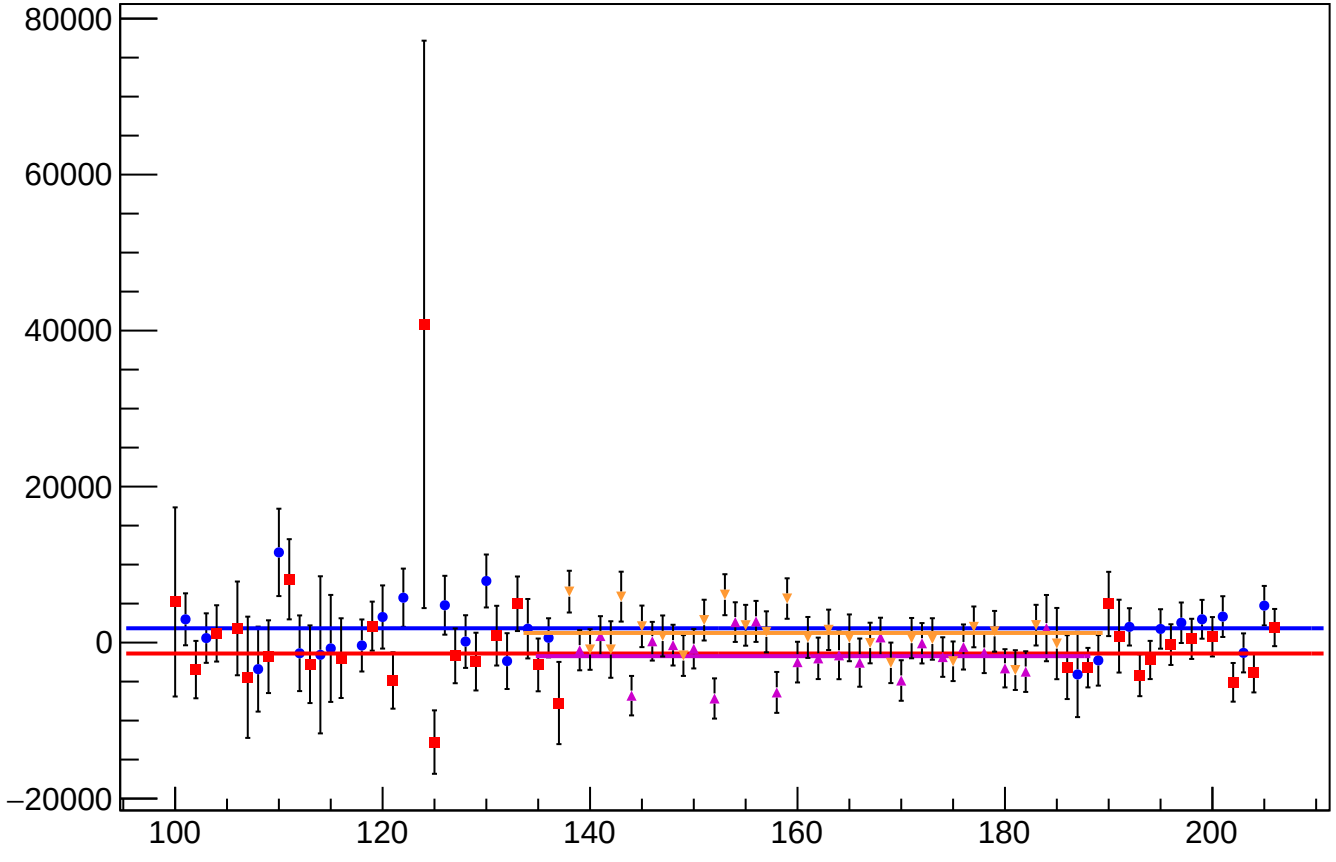
Left In: 931.562+/-0.154 χ^2/NDF:48916.1/22

+ sign 1029.523+/-0.129 χ^2/NDF: 3267648.1/49

All: 1035.675+/-0.091 χ^2/NDF: 7697144.4/10

- sign 1041.843+/-0.129 χ^2/NDF: 4424949.7/53

reg_asym_atl1_mean vs Slug



Right In: 1835.102+/-654.532 χ^2/NDF: 18.6/24

Left Out: 1234.728+/-541.289 χ^2/NDF:23.9/24

Right Out: -1401.871+/-619.418 χ^2/NDF: 32.9/30

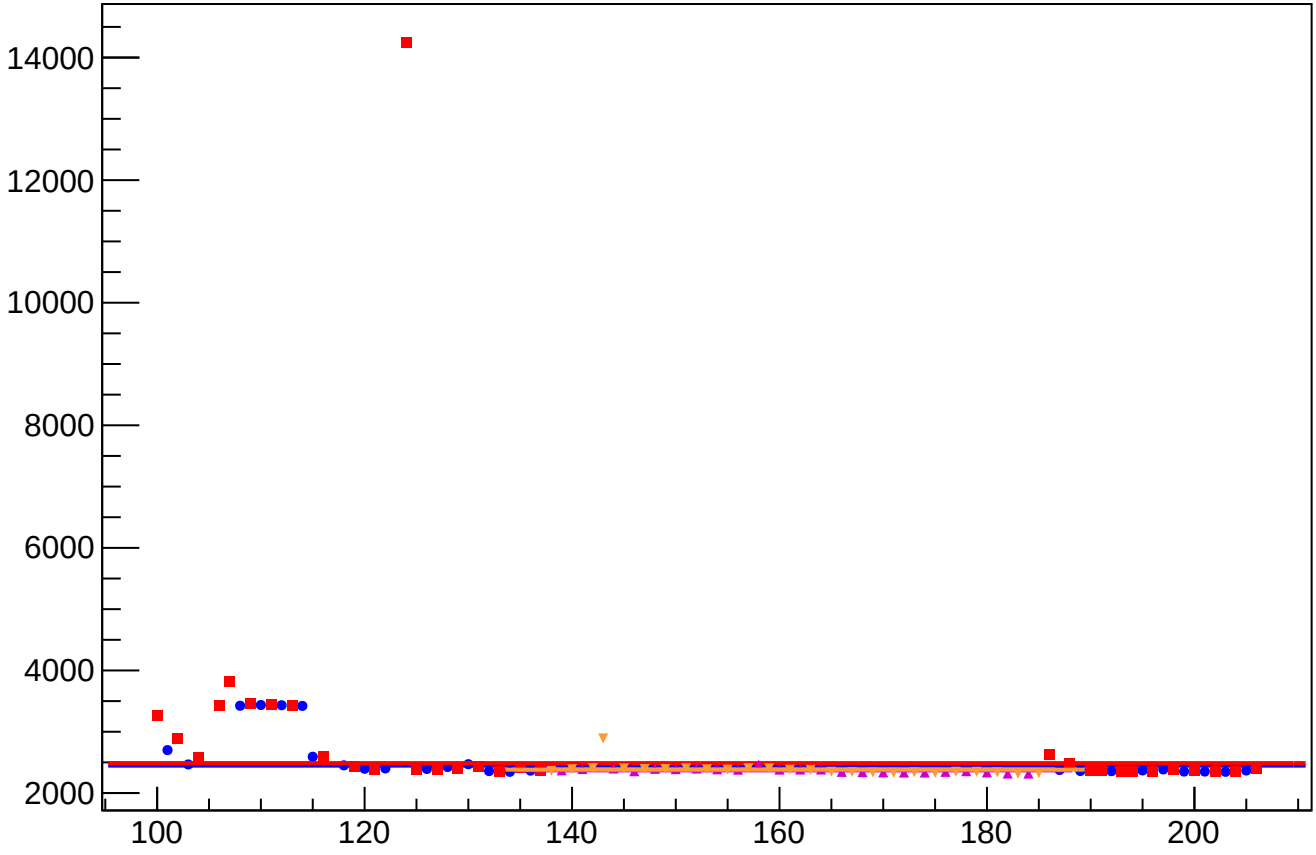
Left In: -1741.730+/-553.254 χ^2/NDF:24.4/22

+ sign 1478.566+/-417.129 χ^2/NDF: 42.9/49

All: -72.832+/-293.350 χ^2/NDF: 127.7/103

- sign -1590.915+/-412.626 χ^2/NDF: 57.4/53

reg_asym_atl1_rms vs Slug



Right In: 2447.506+/-0.463 χ^2/NDF: 265187.5/24

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2488.504+/-0.438 χ^2/NDF: 633512.6/30

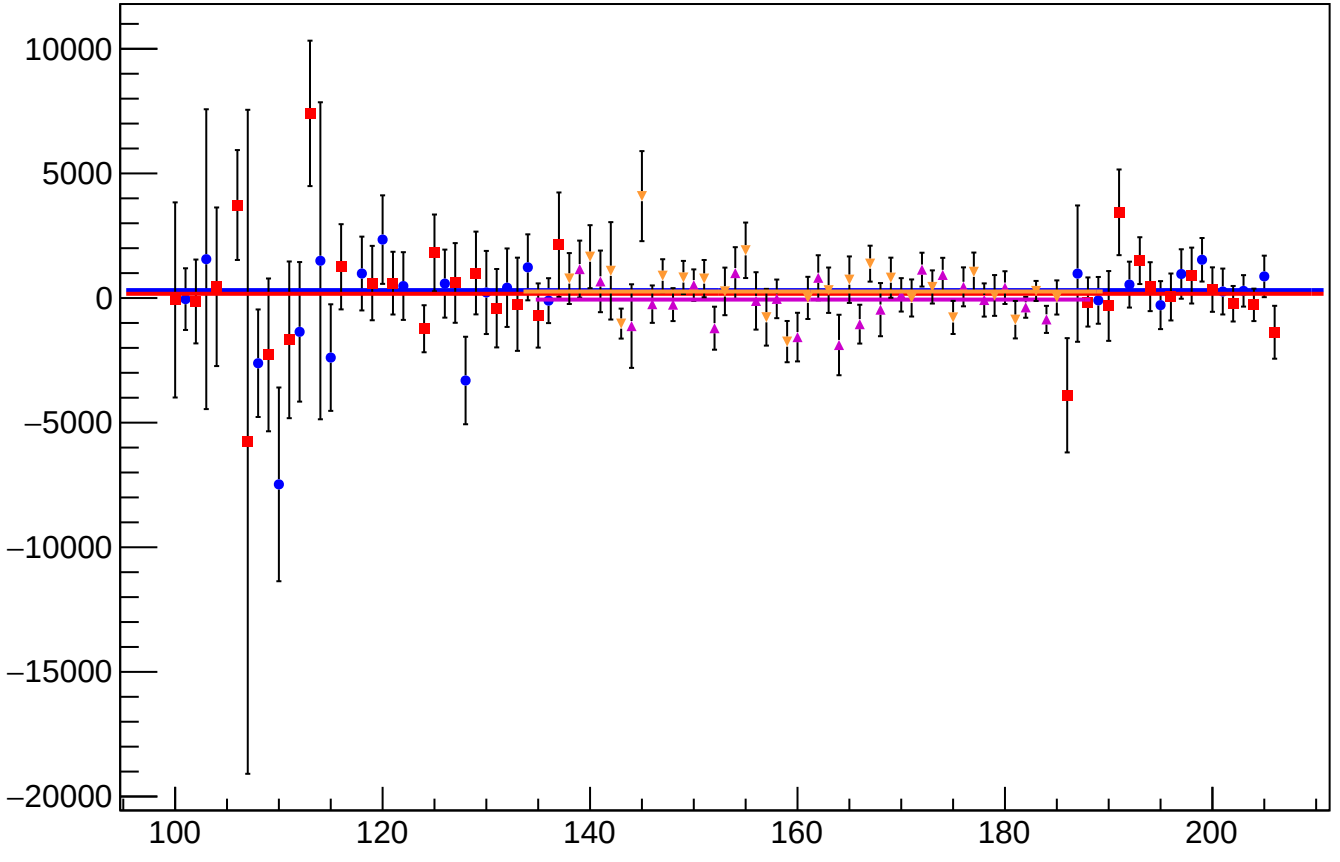
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2408.151+/-0.295 χ^2/NDF: 334986.5/49

All: 2415.274+/-0.207 χ^2/NDF: 1017830.2/10

- sign 2422.245+/-0.292 χ^2/NDF: 681689.7/53

asym_atl1_reg_correction_mean vs Slug



Right In: 318.666+/-242.128 χ^2/NDF: 18.0/24

Left Out: 261.877+/-154.009 χ^2/NDF:31.1/24

Right Out: 169.929+/-229.853 χ^2/NDF: 28.3/30

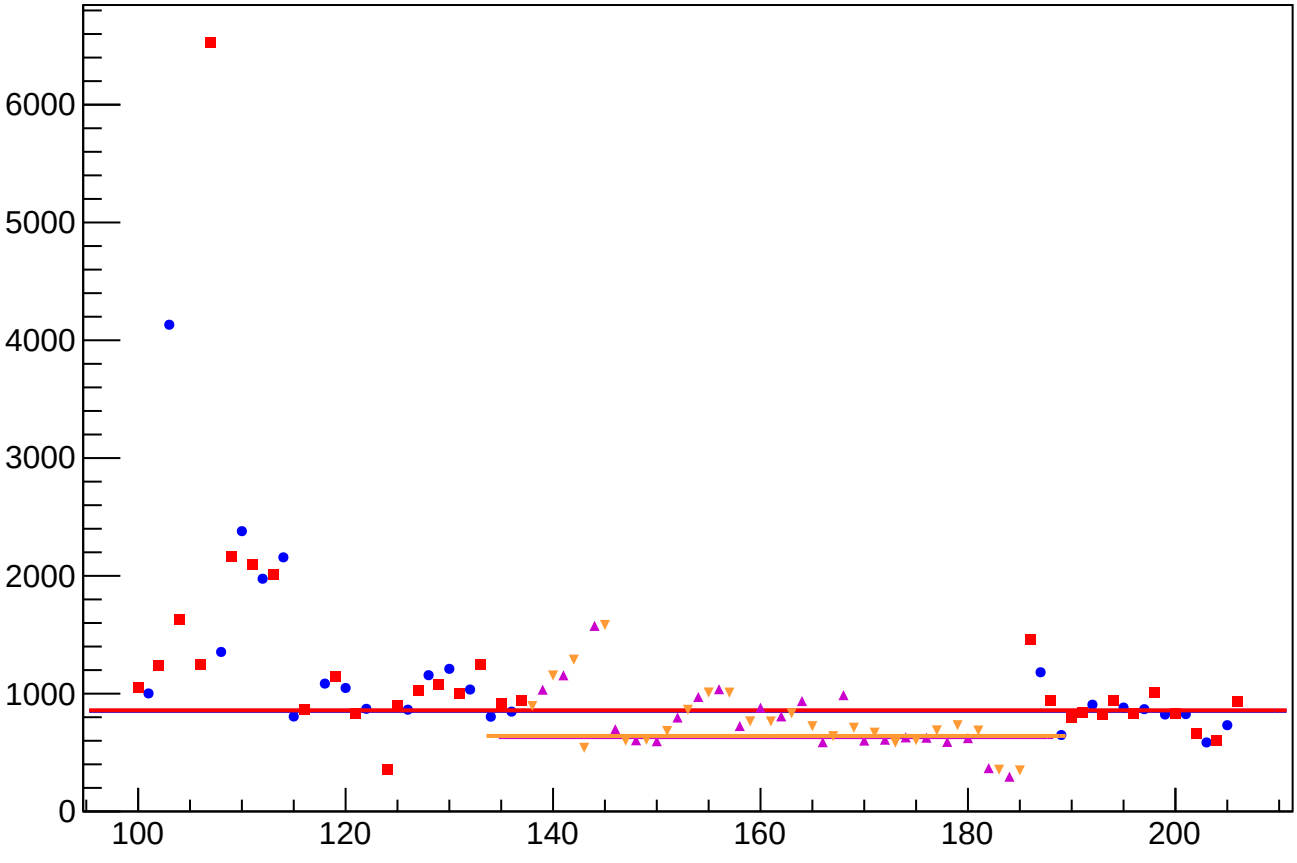
Left In: -61.960+/-157.394 χ^2/NDF:22.0/22

+ sign 278.235+/-129.949 χ^2/NDF: 49.2/49

All: 145.063+/-91.858 χ^2/NDF: 102.2/103

- sign 12.063+/-129.865 χ^2/NDF: 50.9/53

asym_atl1_reg_correction_rms vs Slug



Right In: 854.113+/-0.171 χ^2/NDF: 2237823.5/24

Left Out: 641.156+/-0.109 χ^2/NDF:3474860.7/24

Right Out: 858.442+/-0.163 χ^2/NDF: 3133378.6/30

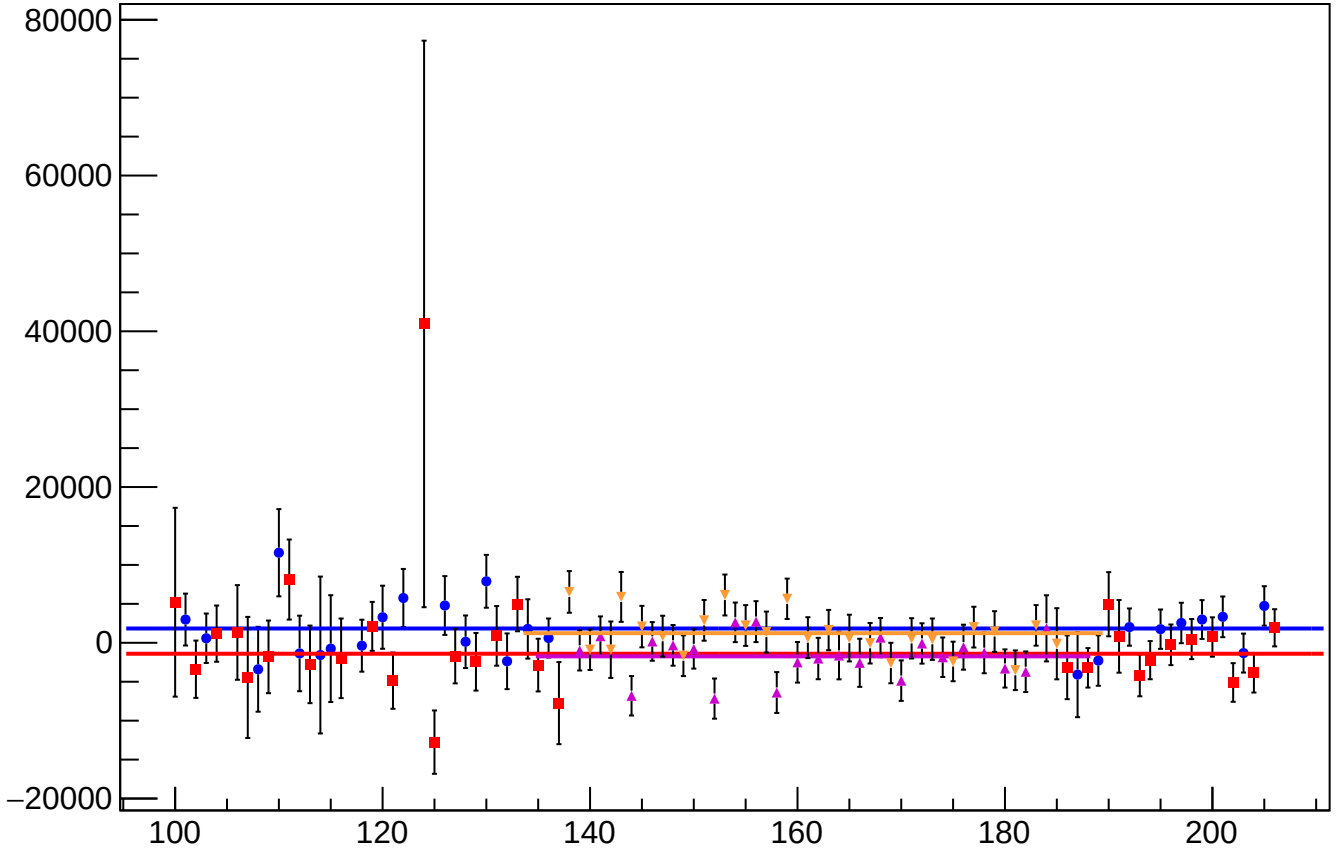
Left In: 631.199+/-0.111 χ^2/NDF:3975438.6/22

+ sign 702.497+/-0.092 χ^2/NDF: 6814164.5/49

All: 703.118+/-0.065 χ^2/NDF: 15253903.3/10

- sign 703.738+/-0.092 χ^2/NDF: 8439647.4/53

cor_asym_atl1_mean vs Slug



Right In: 1835.384+/-654.532 χ^2/NDF: 18.6/24

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1405.712+/-619.492 χ^2/NDF: 32.8/30

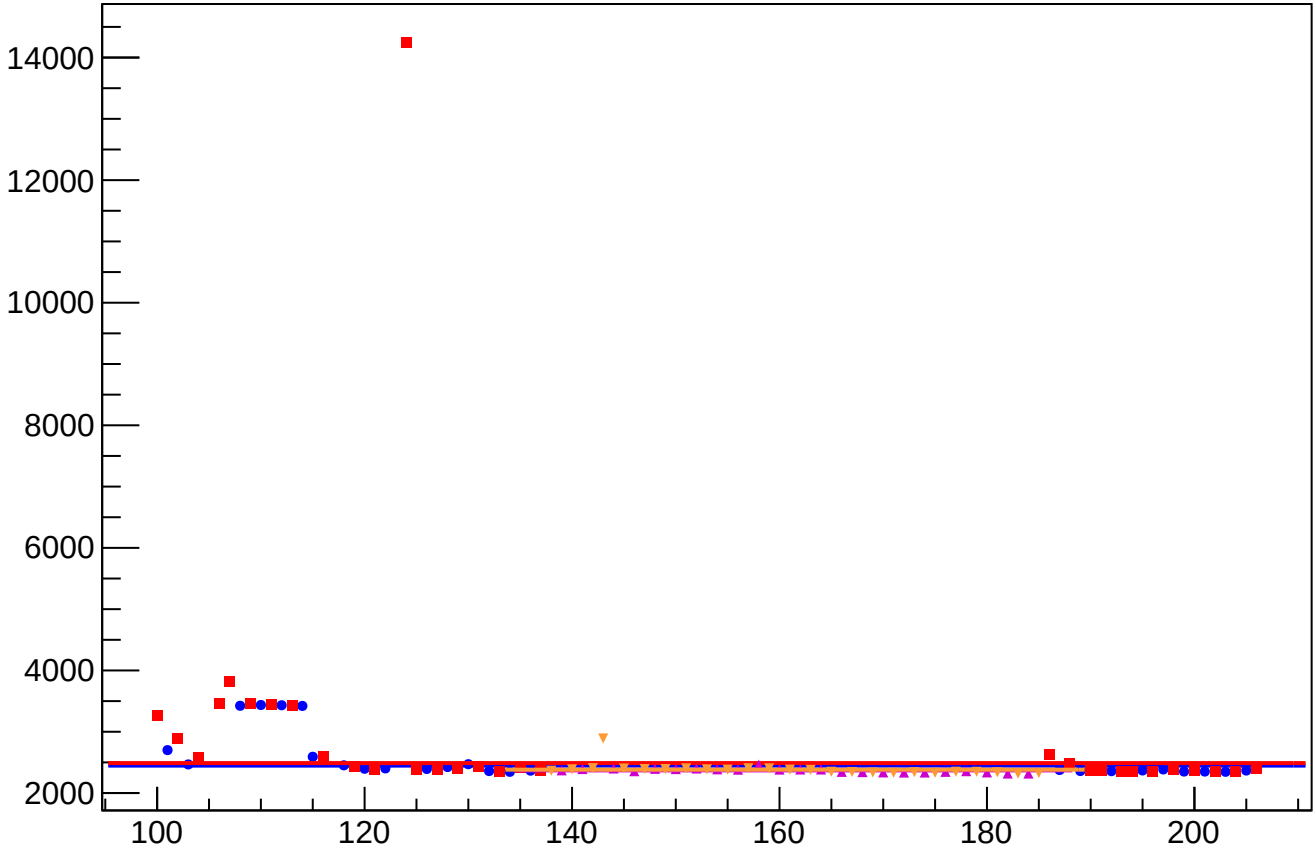
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1478.667+/-417.129 χ^2/NDF: 42.9/49

All: -73.586+/-293.358 χ^2/NDF: 127.6/103

- sign -1592.670+/-412.648 χ^2/NDF: 57.3/53

cor_asym_atl1_rms vs Slug



Right In: 2447.506+/-0.463 χ^2/NDF: 265187.5/24

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2488.686+/-0.438 χ^2/NDF: 636423.7/30

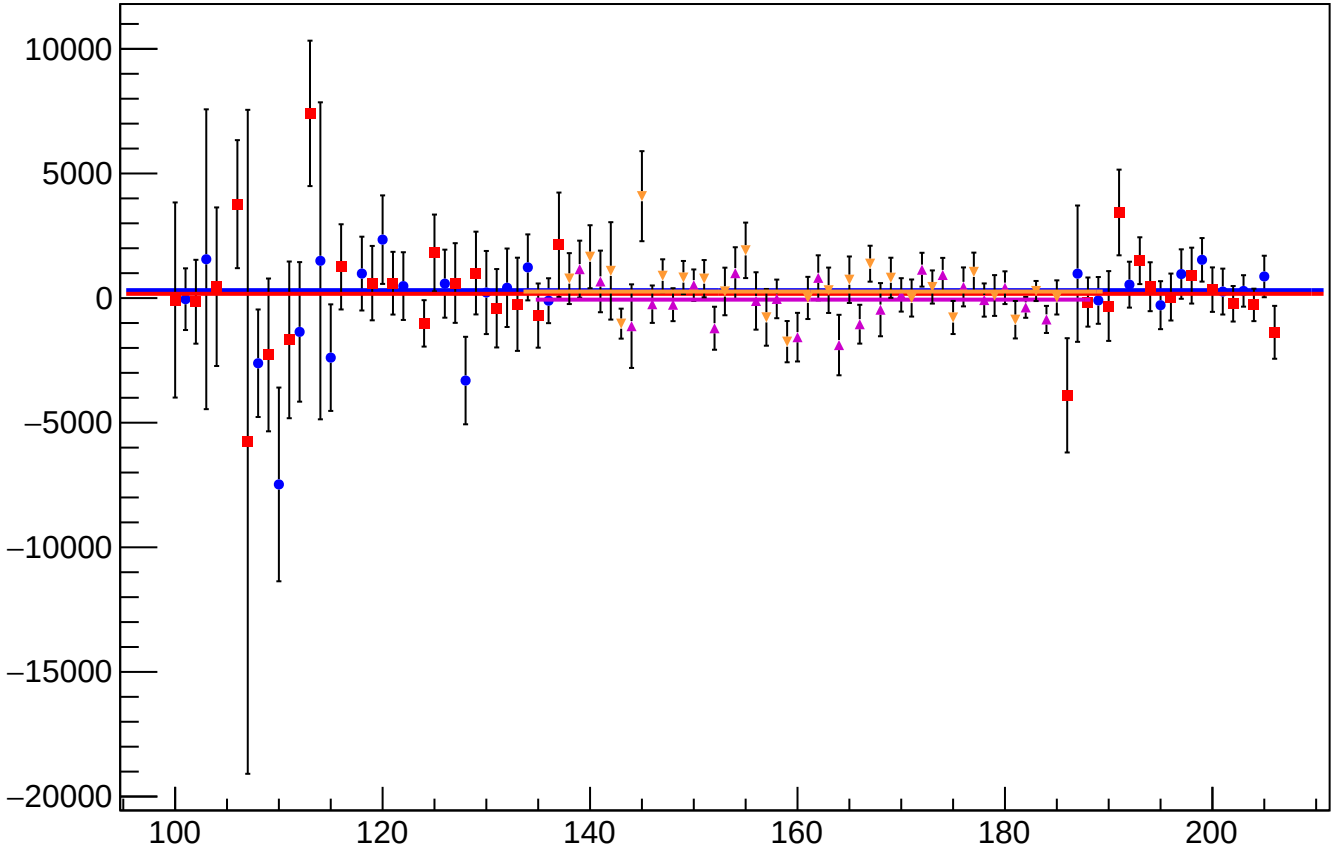
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2408.151+/-0.295 χ^2/NDF: 334986.5/49

All: 2415.311+/-0.207 χ^2/NDF: 1020873.5/10

- sign 2422.318+/-0.292 χ^2/NDF: 684721.0/53

asym_atl1_cor_correction_mean vs Slug



Right In: 318.561+/-242.127 χ^2/NDF: 18.0/24

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 170.801+/-230.001 χ^2/NDF: 27.0/30

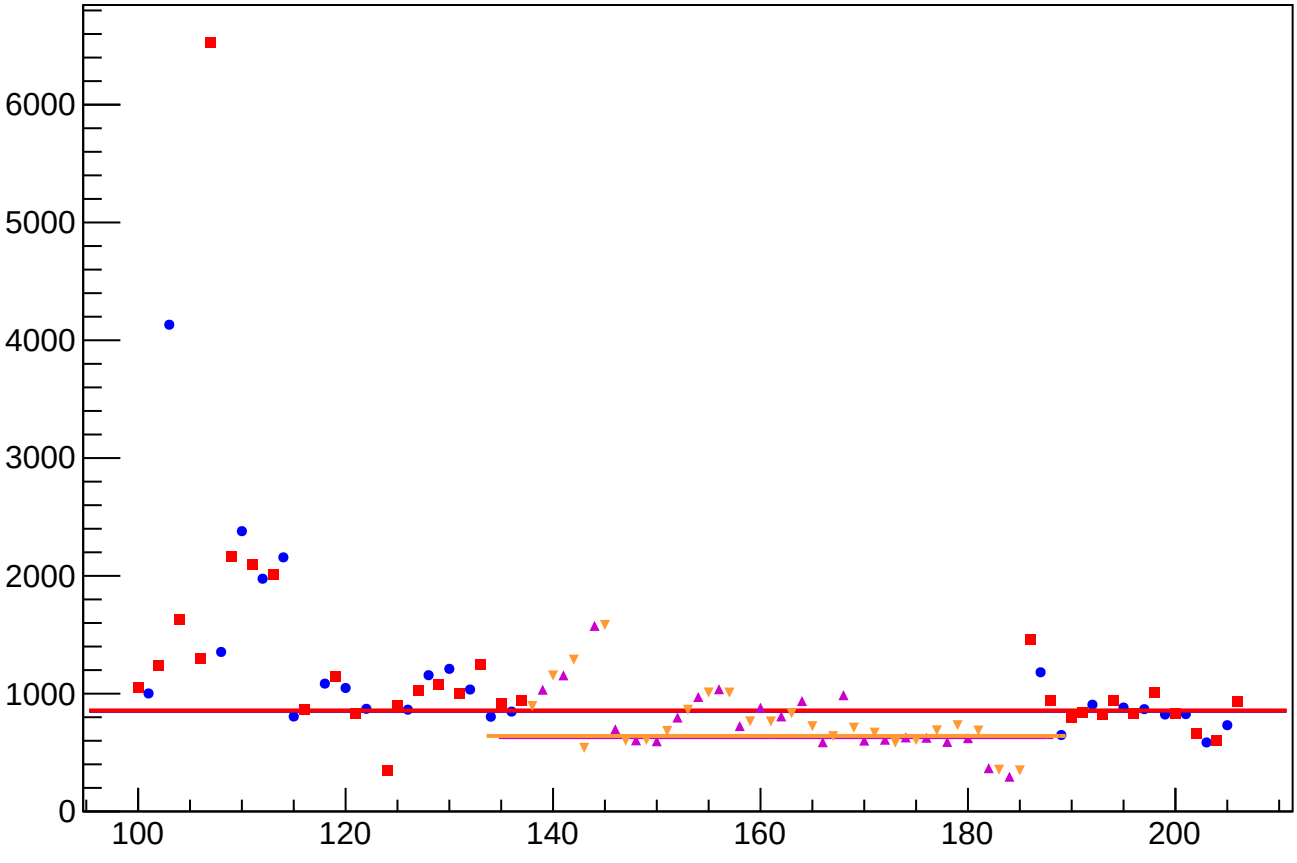
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 278.406+/-129.950 χ^2/NDF: 49.2/49

All: 145.275+/-91.868 χ^2/NDF: 101.0/103

- sign 12.265+/-129.891 χ^2/NDF: 49.7/53

asym_atl1_cor_correction_rms vs Slug



Right In: 854.112+/-0.171 χ^2/NDF: 2237840.6/24

Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 856.638+/-0.163 χ^2/NDF: 3154776.8/30

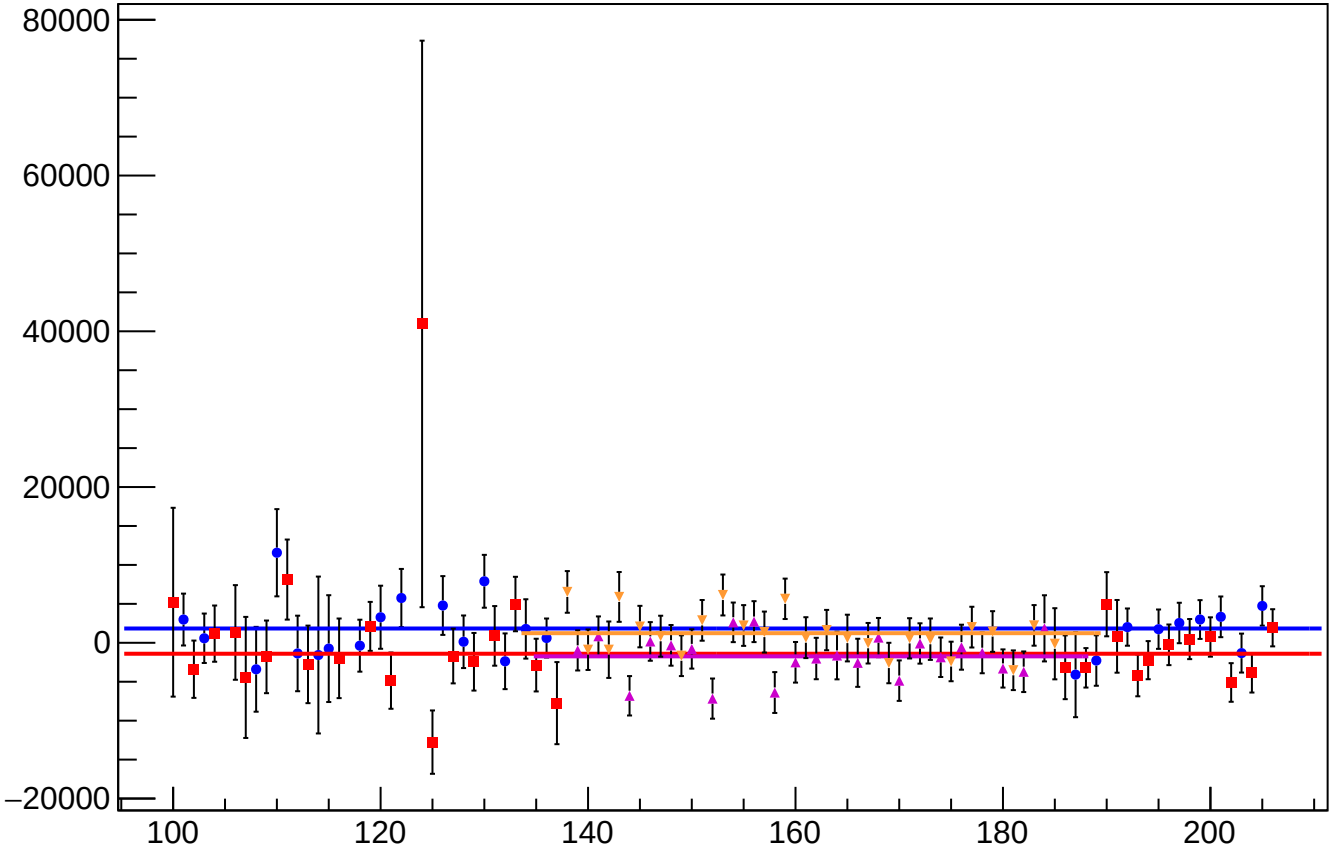
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 702.508+/-0.092 χ^2/NDF: 6813759.9/49

All: 702.803+/-0.065 χ^2/NDF: 15252784.7/10

- sign 703.097+/-0.092 χ^2/NDF: 8439004.2/53

eigen_cor_asym_atl1_mean vs Slug



Right In: 1835.384+/-654.532 χ^2/NDF: 18.6/24

Left Out: 1234.706+/-541.289 χ^2/NDF:23.9/24

Right Out: -1405.712+/-619.492 χ^2/NDF: 32.8/30

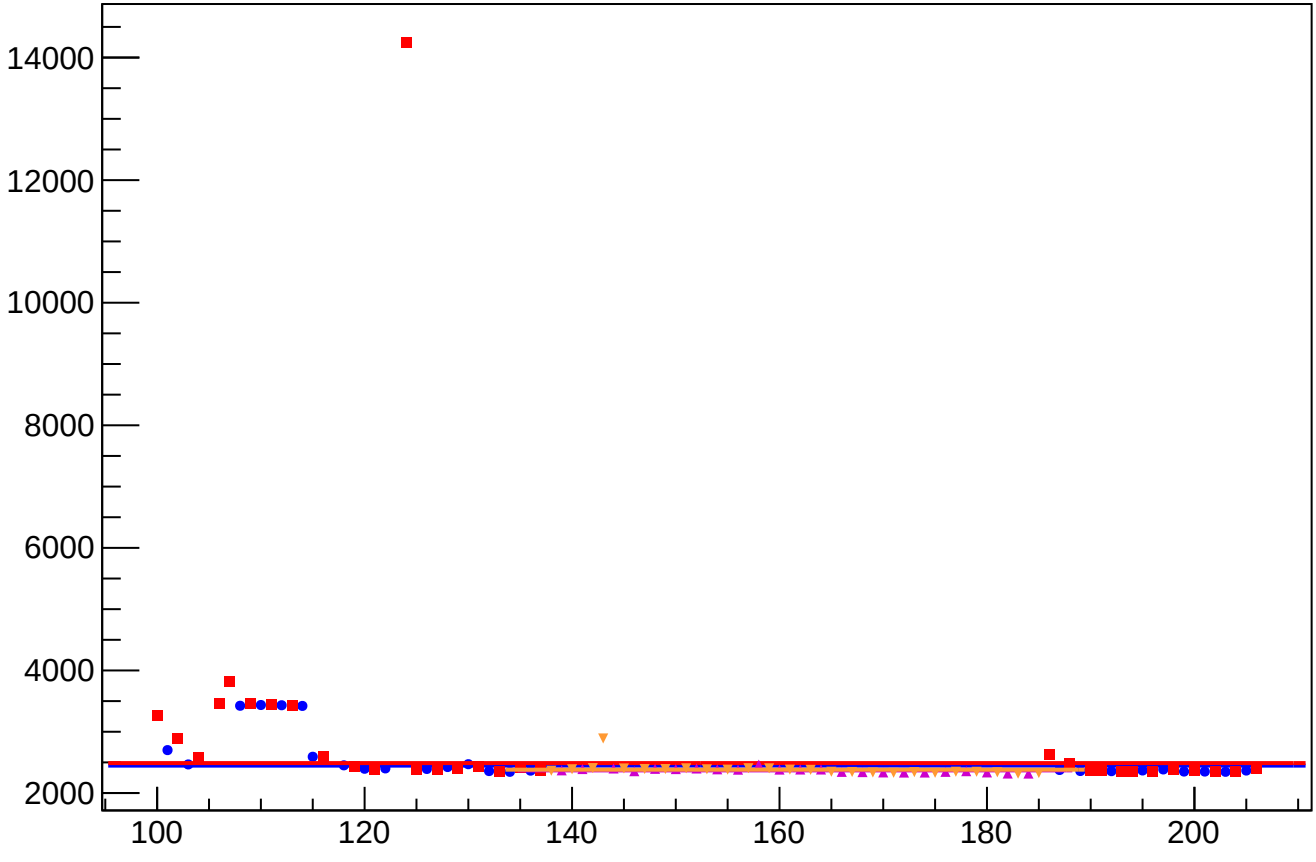
Left In: -1741.784+/-553.254 χ^2/NDF:24.4/22

+ sign 1478.667+/-417.129 χ^2/NDF: 42.9/49

All: -73.586+/-293.358 χ^2/NDF: 127.6/103

- sign -1592.670+/-412.648 χ^2/NDF: 57.3/53

eigen_cor_asym_atl1_rms vs Slug



Right In: 2447.506+/-0.463 χ^2/NDF: 265187.5/24

Left Out: 2381.235+/-0.383 χ^2/NDF:57623.2/24

Right Out: 2488.686+/-0.438 χ^2/NDF: 636423.7/30

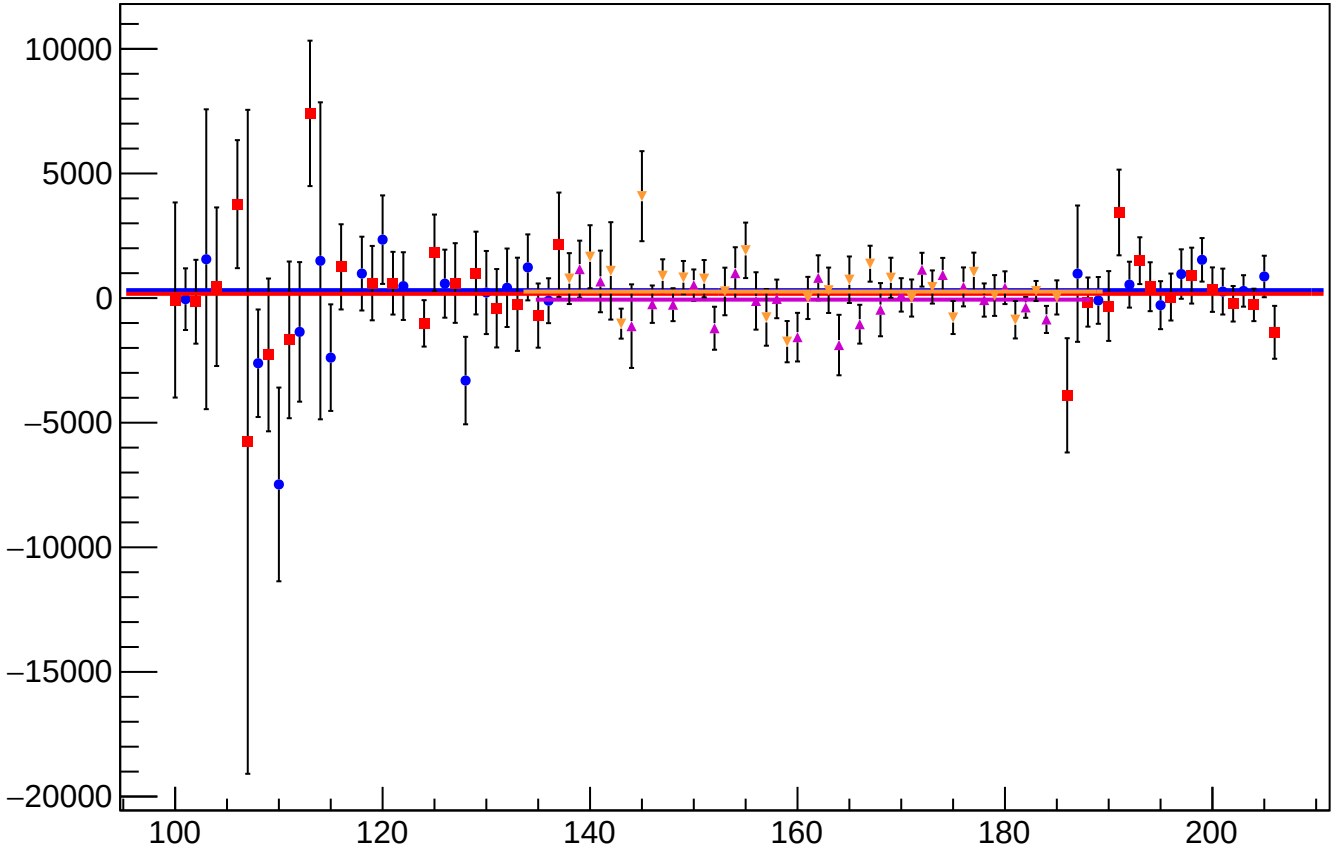
Left In: 2369.384+/-0.391 χ^2/NDF:7034.0/22

+ sign 2408.151+/-0.295 χ^2/NDF: 334986.5/49

All: 2415.311+/-0.207 χ^2/NDF: 1020873.5/10

- sign 2422.318+/-0.292 χ^2/NDF: 684721.0/53

asym_atl1_eigen_cor_correction_mean vs Slug



Right In: 318.561+/-242.127 χ^2/NDF: 18.0/24

Left Out: 262.160+/-154.012 χ^2/NDF:31.1/24

Right Out: 170.801+/-230.001 χ^2/NDF: 27.0/30

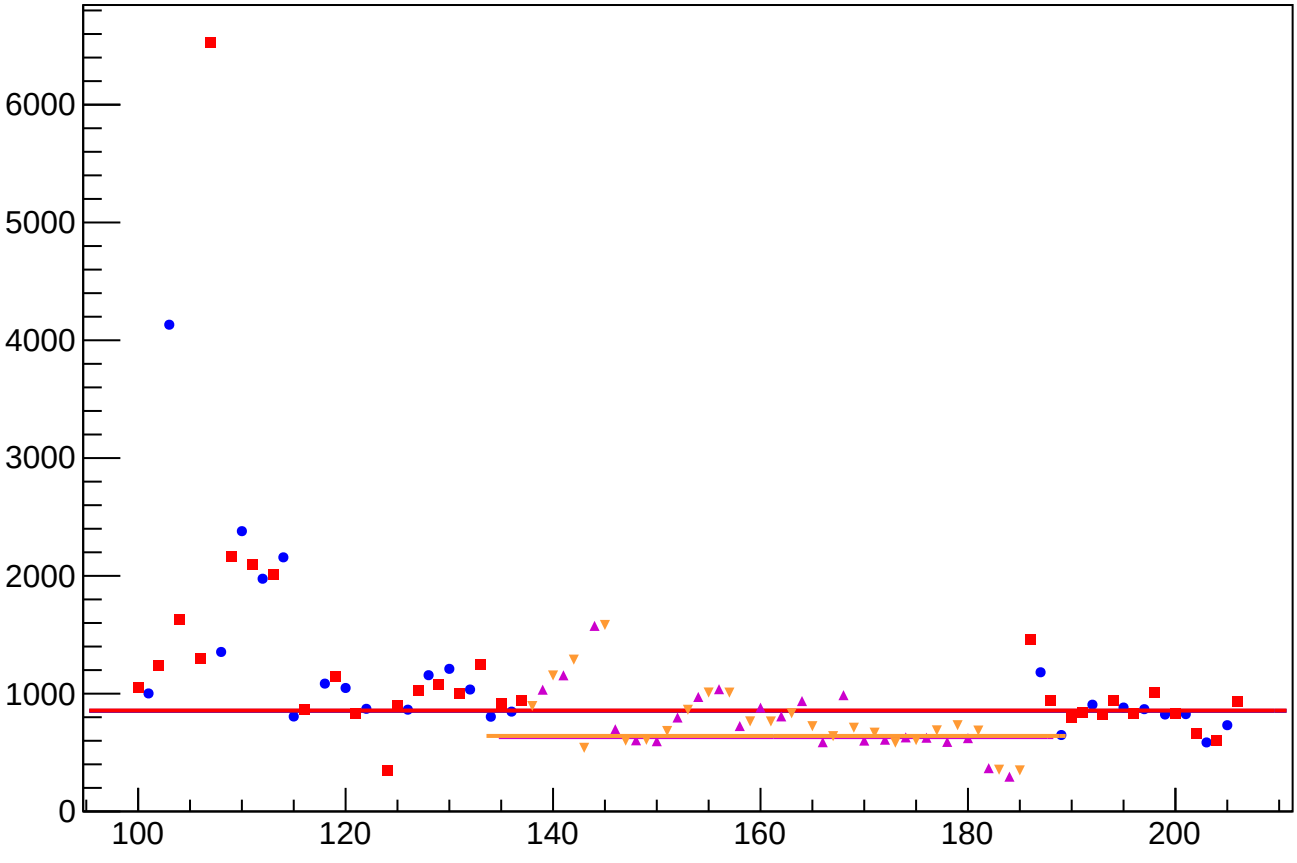
Left In: -61.976+/-157.393 χ^2/NDF:22.0/22

+ sign 278.406+/-129.950 χ^2/NDF: 49.2/49

All: 145.275+/-91.868 χ^2/NDF: 101.0/103

- sign 12.265+/-129.891 χ^2/NDF: 49.7/53

asym_atl1_eigen_cor_correction_rms vs Slug



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Left Out: 641.169+/-0.109 χ^2/NDF:3474589.1/24

Right Out: 856.638+/-0.163 χ^2/NDF: 3154776.8/30

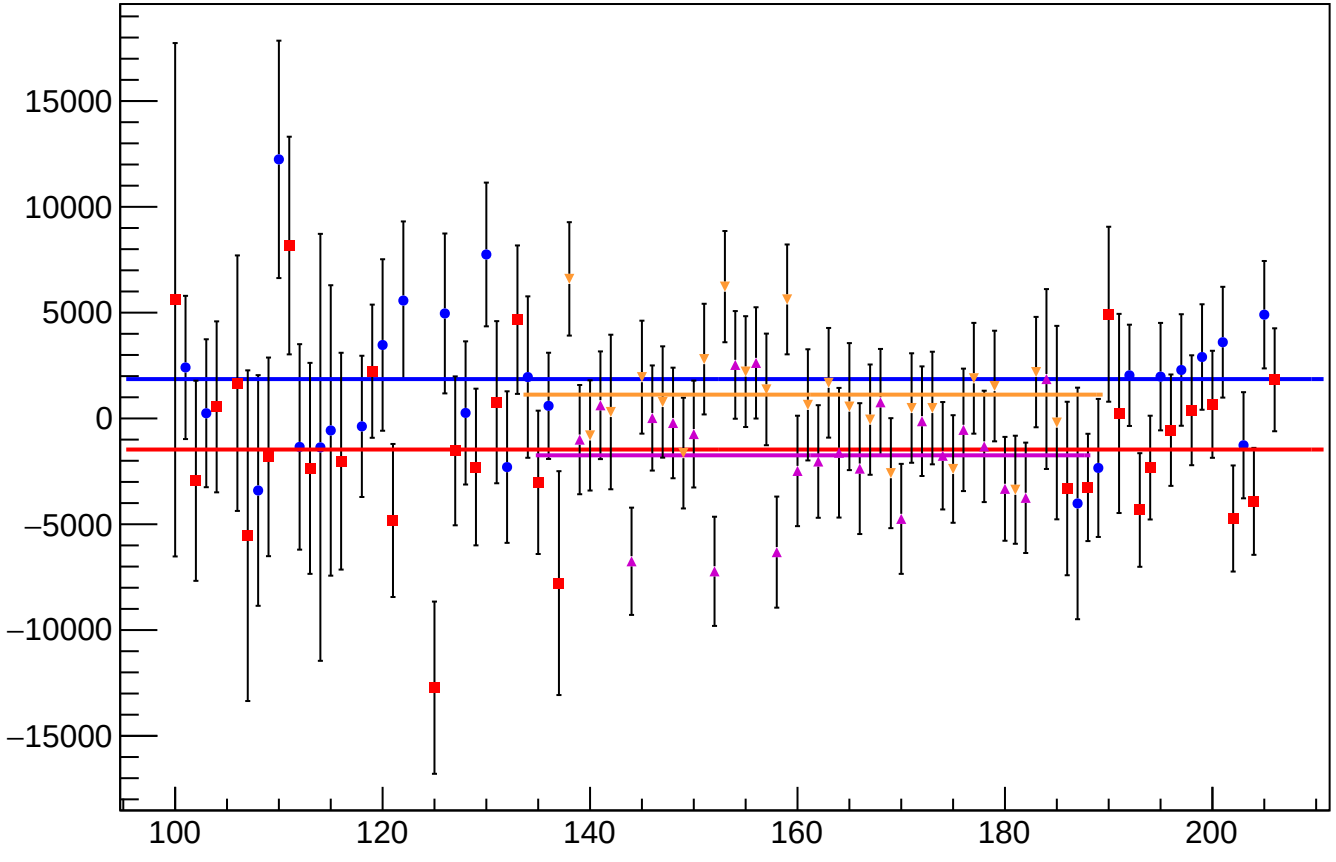
Left In: 631.196+/-0.111 χ^2/NDF:3975563.1/22

+ sign 702.508+/-0.092 χ^2/NDF: 6813759.9/49

All: 702.803+/-0.065 χ^2/NDF: 15252784.7/10

- sign 703.097+/-0.092 χ^2/NDF: 8439004.2/53

dit_asym_atl1_mean vs Slug



Right In: 1859.943+/-659.079 χ^2/NDF: 18.8/24

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1468.648+/-627.517 χ^2/NDF: 30.1/29

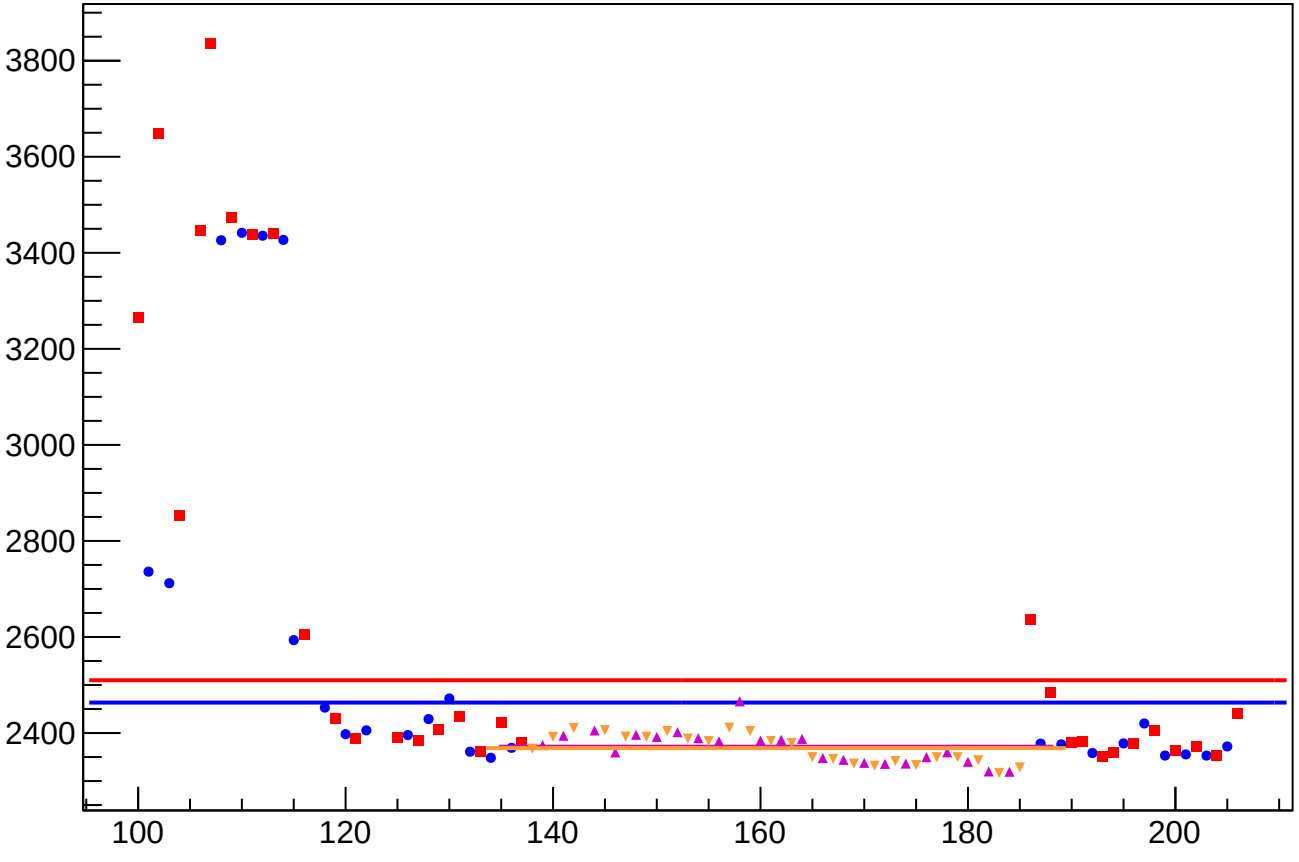
Left In: -1742.304+/-553.755 χ^2/NDF:23.8/22

+ sign 1426.927+/-422.204 χ^2/NDF: 40.8/48

All: -123.270+/-296.038 χ^2/NDF: 121.2/101

- sign -1622.498+/-415.206 χ^2/NDF: 53.9/52

dit_asym_atl1_rms vs Slug



Right In: 2463.444+/-0.466 χ^2/NDF: 275965.0/24

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2509.871+/-0.444 χ^2/NDF: 530441.8/29

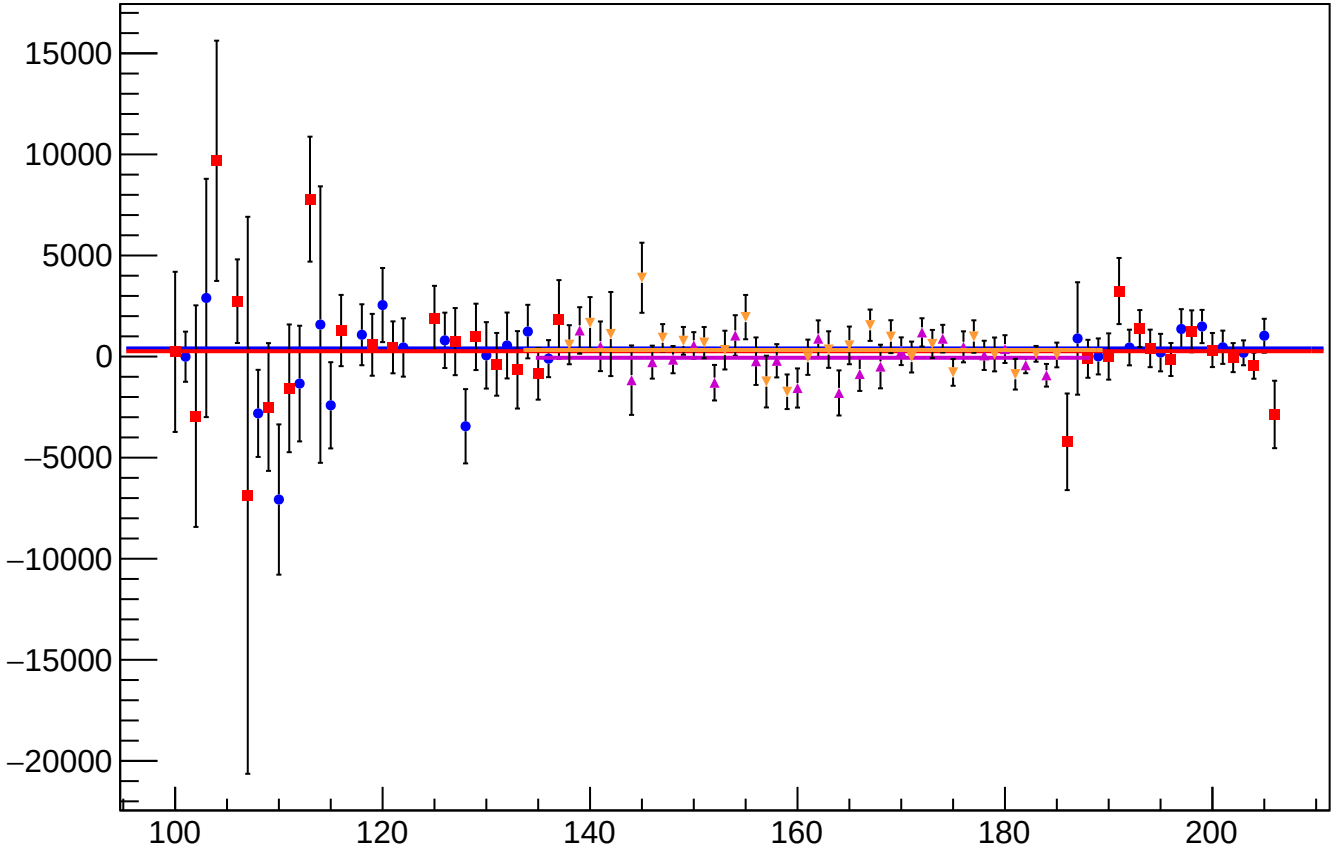
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2407.502+/-0.299 χ^2/NDF: 305973.0/48

All: 2420.001+/-0.209 χ^2/NDF: 901573.2/101

- sign 2432.089+/-0.294 χ^2/NDF: 592152.4/52

asym_atl1_dit_correction_mean vs Slug



Right In: 402.529+/-237.130 χ^2/NDF: 19.2/24

Left Out: 325.955+/-160.041 χ^2/NDF:26.8/23

Right Out: 264.735+/-235.273 χ^2/NDF: 29.8/29

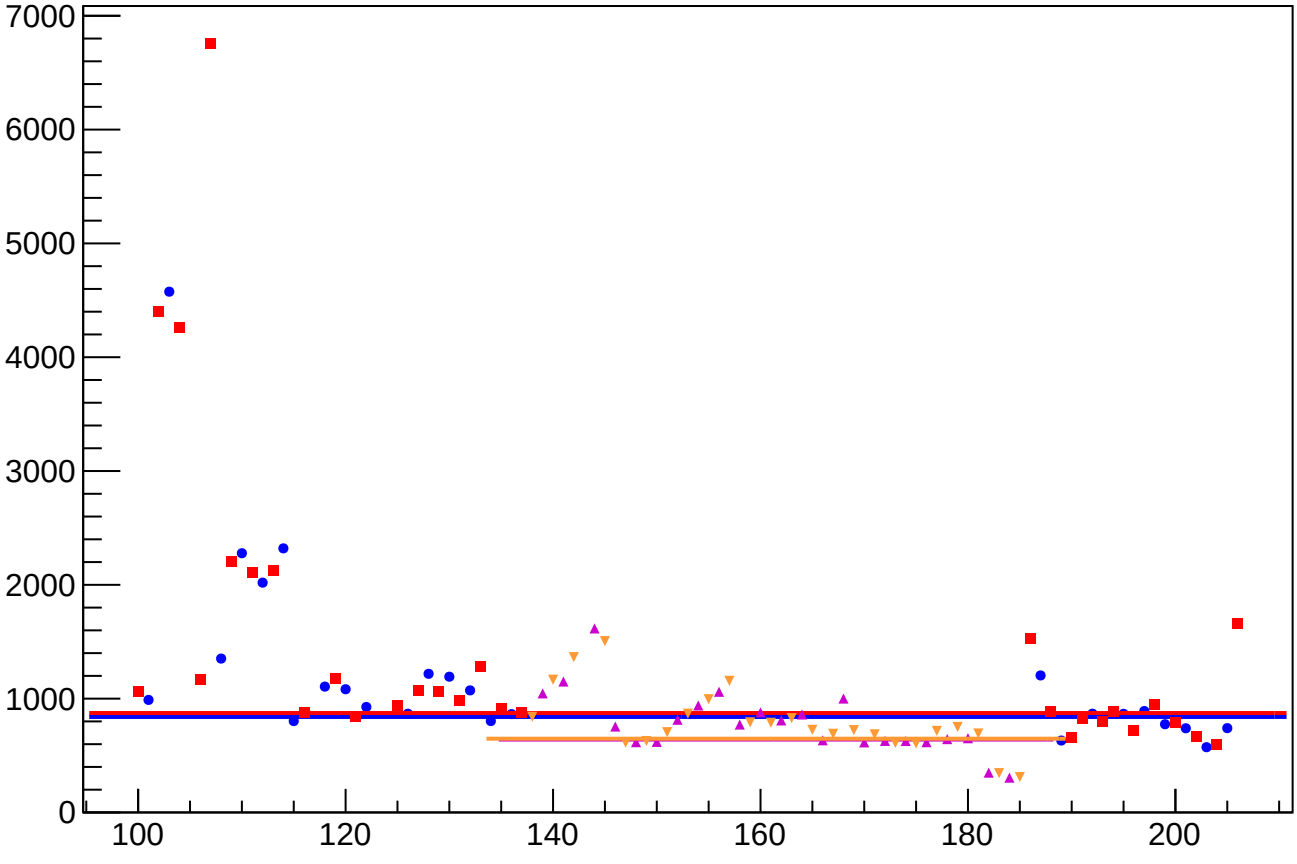
Left In: -59.619+/-159.669 χ^2/NDF:22.7/22

+ sign 349.919+/-132.656 χ^2/NDF: 46.0/48

All: 195.666+/-93.611 χ^2/NDF: 102.5/101

- sign 42.662+/-132.117 χ^2/NDF: 53.8/52

asym_atl1_dit_correction_rms vs Slug



Right In: 839.200+/-0.168 χ^2/NDF: 2602637.3/24

Left Out: 648.100+/-0.113 χ^2/NDF:3886991.8/23

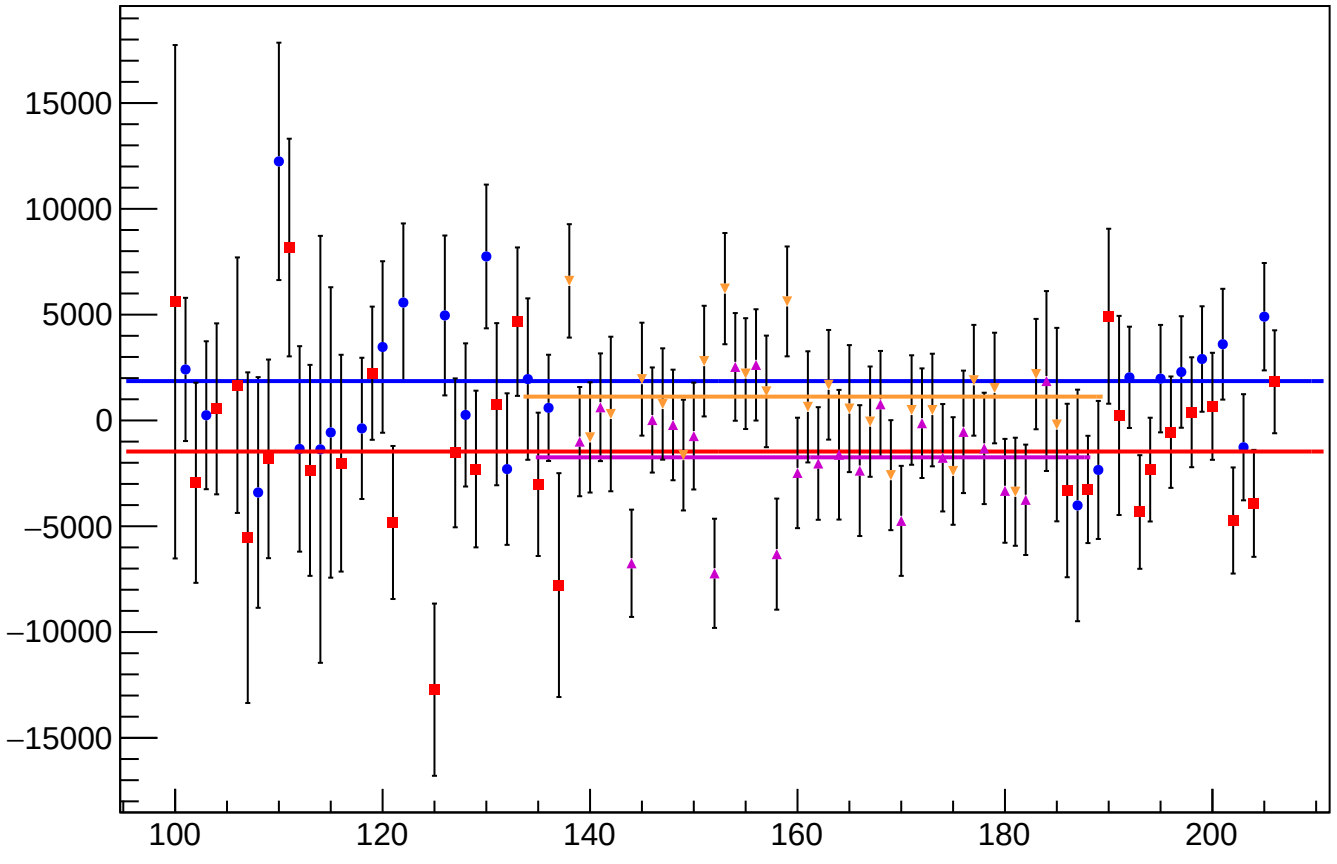
Right Out: 873.559+/-0.166 χ^2/NDF: 4442068.4/29

Left In: 640.422+/-0.113 χ^2/NDF:4128760.4/22

+ sign 707.905+/-0.094 χ^2/NDF: 7382033.5/48

All: 710.934+/-0.066 χ^2/NDF: 17299509.3/10

- sign 713.939+/-0.093 χ^2/NDF: 9915399.0/52



Right In: 1859.942+/-659.079 χ^2/NDF: 18.8/24

Left Out: 1125.562+/-549.834 χ^2/NDF:21.2/23

Right Out: -1468.648+/-627.517 χ^2/NDF: 30.1/29

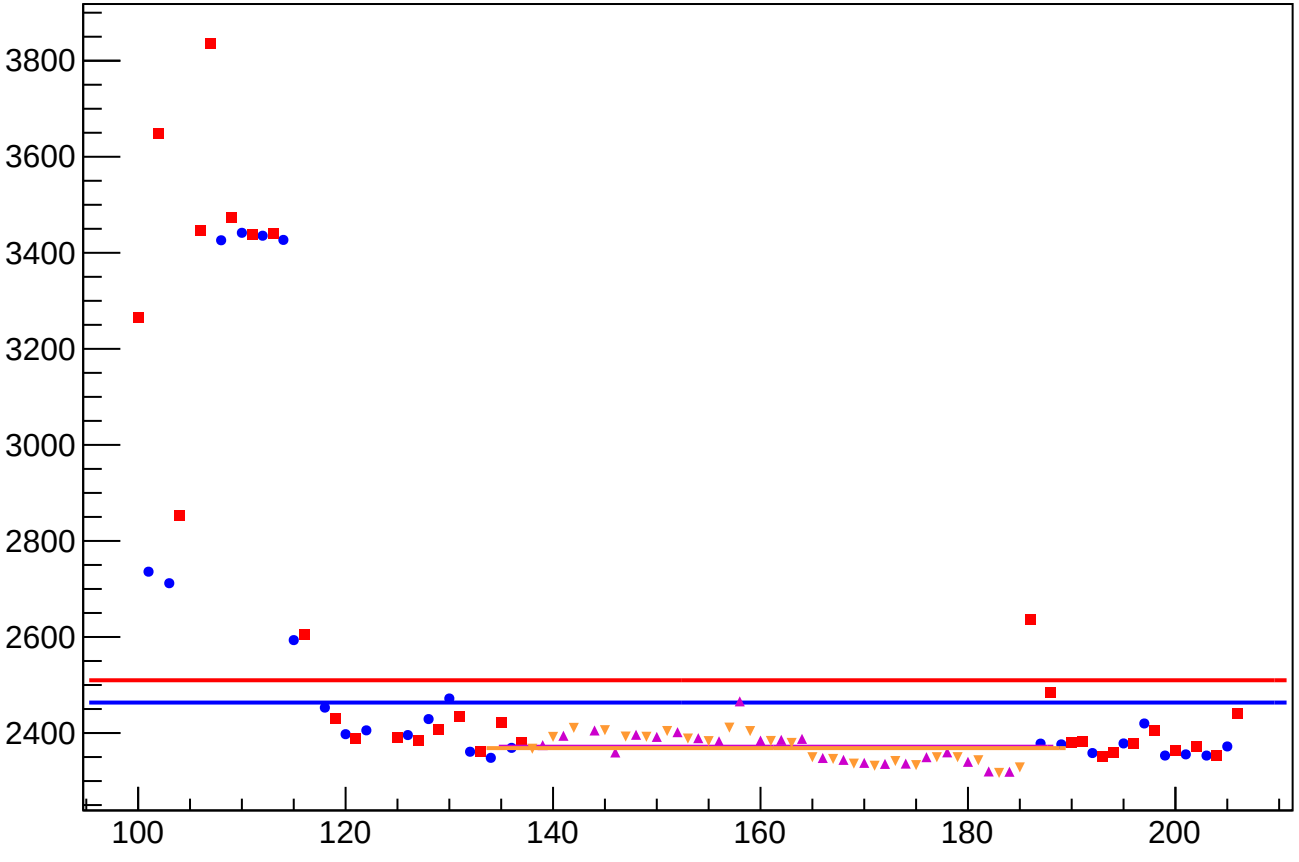
Left In: -1742.305+/-553.755 χ^2/NDF:23.8/22

+ sign 1426.927+/-422.204 χ^2/NDF: 40.8/48

All: -123.270+/-296.038 χ^2/NDF: 121.2/101

- sign -1622.498+/-415.206 χ^2/NDF: 53.9/52

eigen_dit_asym_atl1_rms vs Slug



Right In: 2463.444+/-0.466 χ^2/NDF: 275964.6/24

Left Out: 2368.569+/-0.389 χ^2/NDF:5571.3/23

Right Out: 2509.871+/-0.444 χ^2/NDF: 530440.9/29

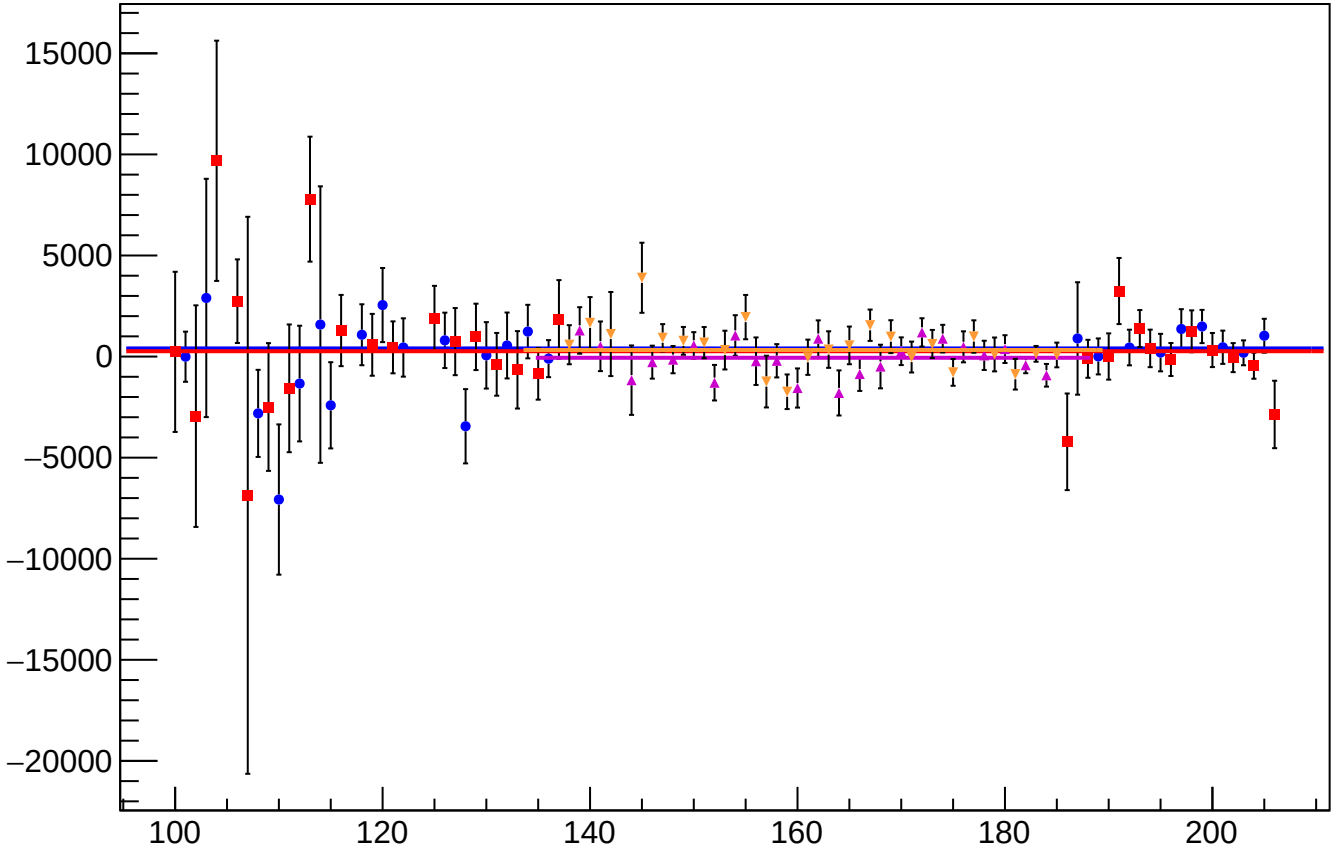
Left In: 2371.518+/-0.392 χ^2/NDF:7053.5/22

+ sign 2407.502+/-0.299 χ^2/NDF: 305972.5/48

All: 2420.001+/-0.209 χ^2/NDF: 901571.8/101

- sign 2432.089+/-0.294 χ^2/NDF: 592151.5/52

asym_atl1_eigen_dit_correction_mean vs Slug



Right In: 402.528+/-237.130 χ^2/NDF: 19.2/24

Left Out: 325.955+/-160.042 χ^2/NDF:26.8/23

Right Out: 264.736+/-235.273 χ^2/NDF: 29.8/29

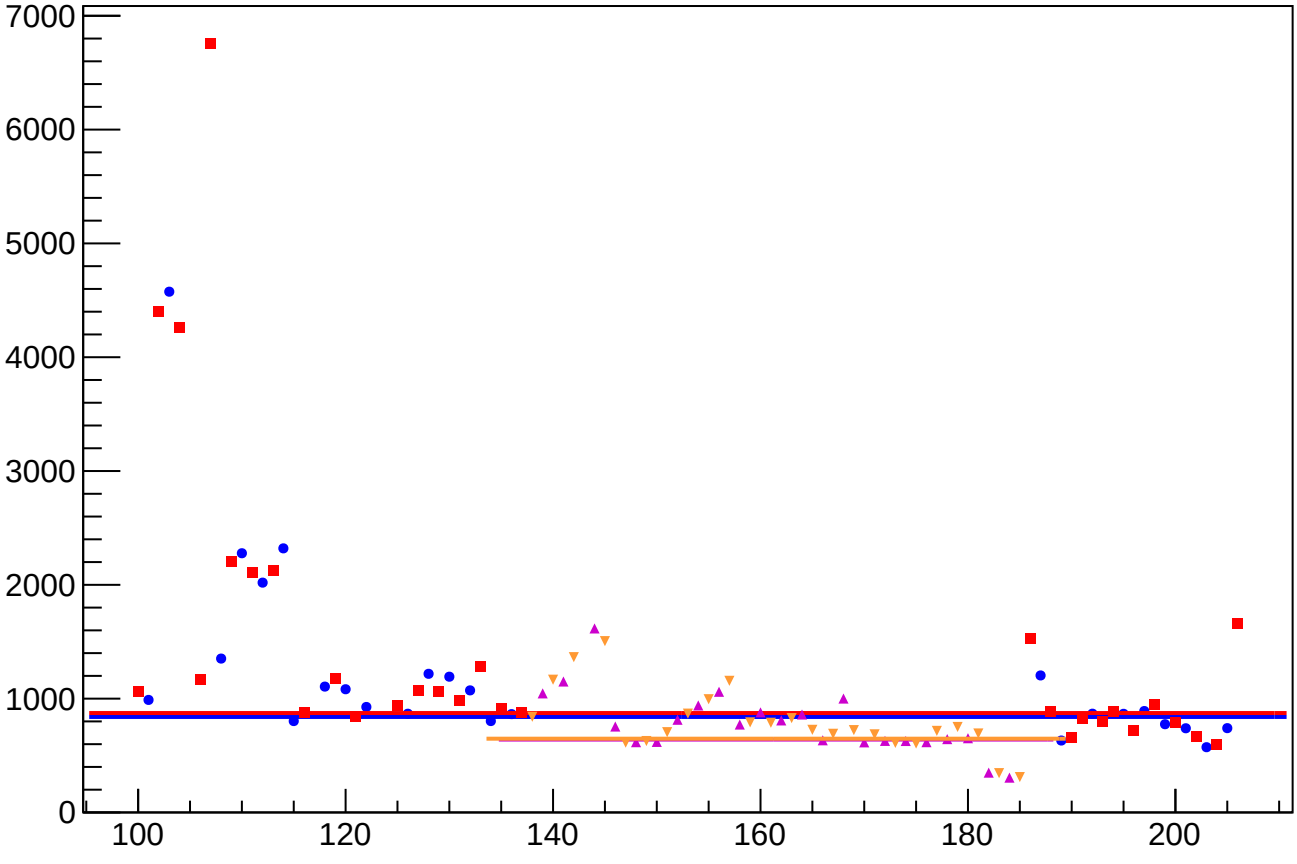
Left In: -59.619+/-159.670 χ^2/NDF:22.7/22

+ sign 349.919+/-132.656 χ^2/NDF: 46.0/48

All: 195.666+/-93.611 χ^2/NDF: 102.5/101

- sign 42.662+/-132.118 χ^2/NDF: 53.8/52

asym_atl1_eigen_dit_correction_rms vs Slug



Right In: 839.199+/-0.168 χ^2/NDF: 2602636.6/24

Left Out: 648.101+/-0.113 χ^2/NDF:3887001.9/23

Right Out: 873.559+/-0.166 χ^2/NDF: 4442072.7/29

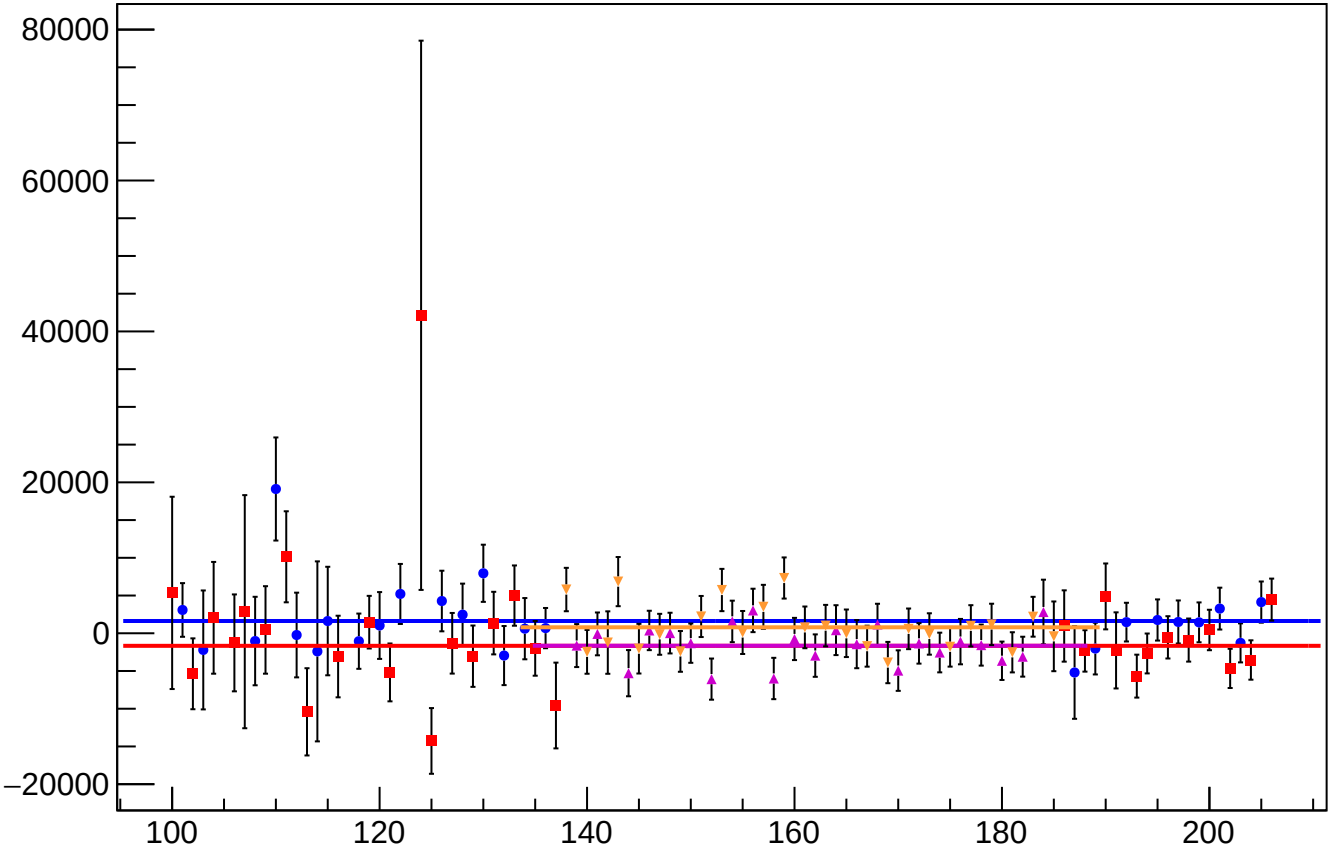
Left In: 640.423+/-0.113 χ^2/NDF:4128774.2/22

+ sign 707.906+/-0.094 χ^2/NDF: 7382030.7/48

All: 710.935+/-0.066 χ^2/NDF: 17299512.0/10

- sign 713.939+/-0.093 χ^2/NDF: 9915404.4/52

asym_atl1_mean vs Slug



Right In: 1625.774+/-720.112 χ^2/NDF: 18.4/24

Left Out: 791.438+/-573.266 χ^2/NDF:27.1/24

Right Out: -1664.306+/-686.290 χ^2/NDF: 36.7/30

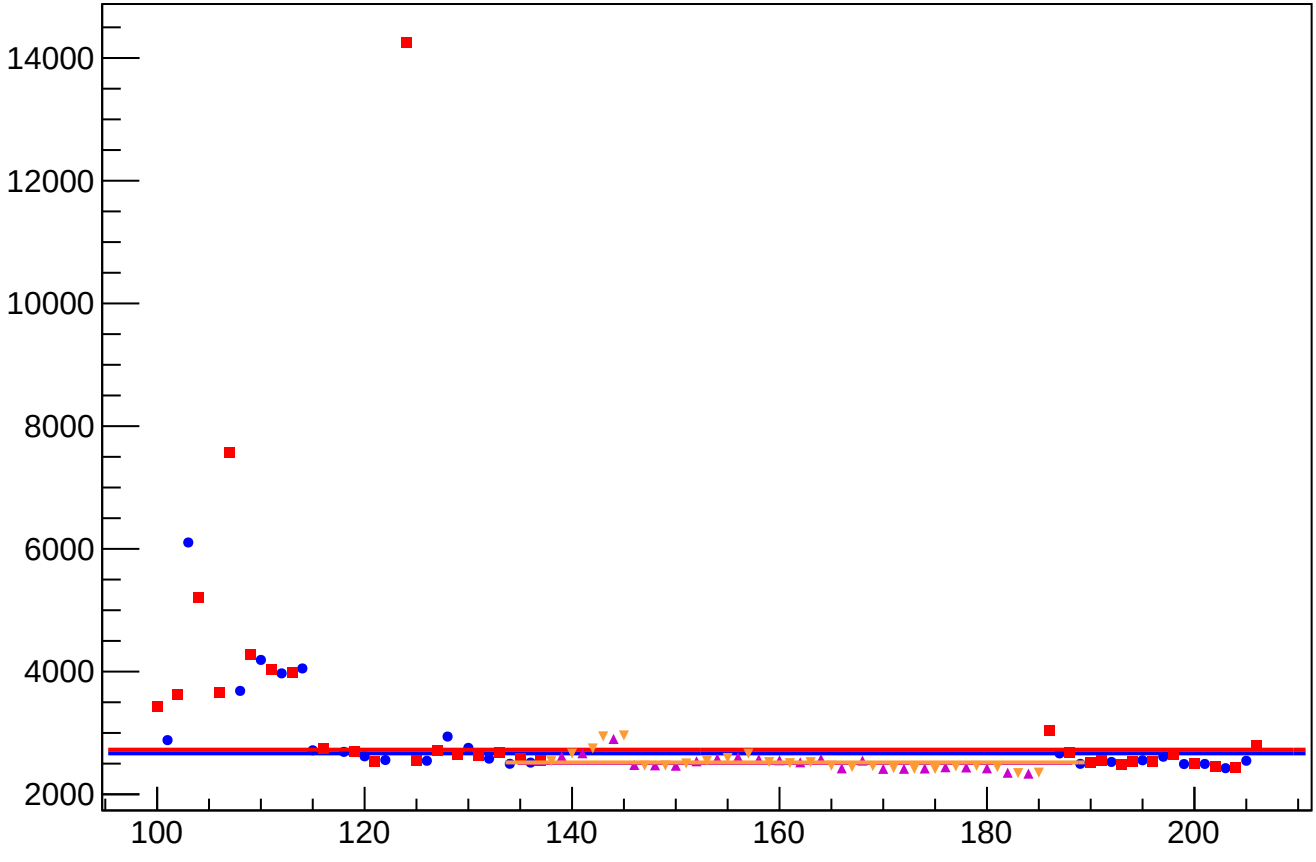
Left In: -1654.626+/-586.767 χ^2/NDF:17.3/22

+ sign 1115.083+/-448.502 χ^2/NDF: 46.4/49

All: -279.630+/-316.244 χ^2/NDF: 119.7/103

- sign -1658.714+/-445.982 χ^2/NDF: 54.1/53

asym_atl1_rms vs Slug



Right In: 2667.239+/-0.509 χ^2/NDF: 759561.3/24

Left Out: 2519.516+/-0.405 χ^2/NDF:115204.3/24

Right Out: 2727.469+/-0.485 χ^2/NDF: 1204787.2/30

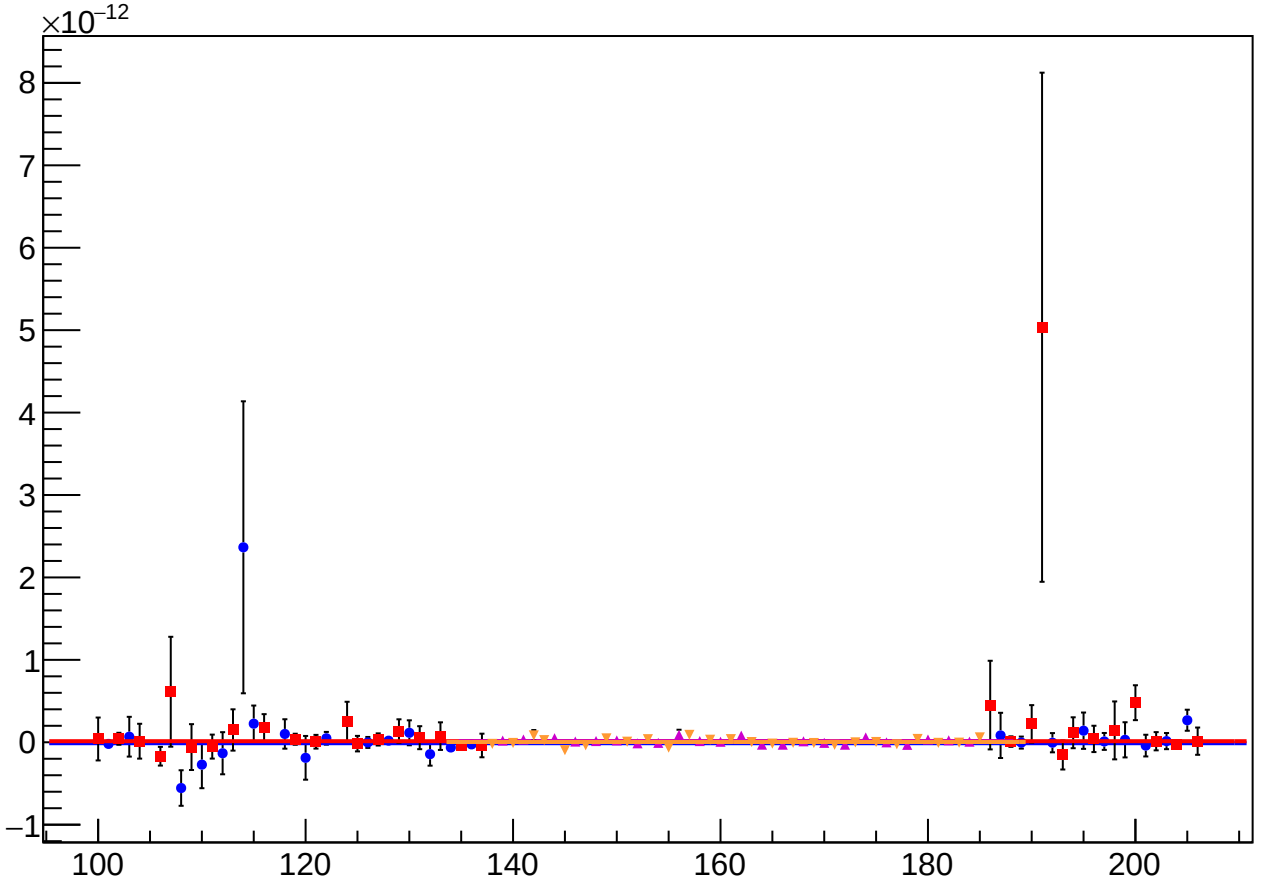
Left In: 2510.156+/-0.415 χ^2/NDF:73771.4/22

+ sign 2576.819+/-0.317 χ^2/NDF: 926281.9/49

All: 2589.444+/-0.224 χ^2/NDF: 2323840.8/10

- sign 2601.927+/-0.315 χ^2/NDF: 1394407.2/53

asym_atl1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.1/30

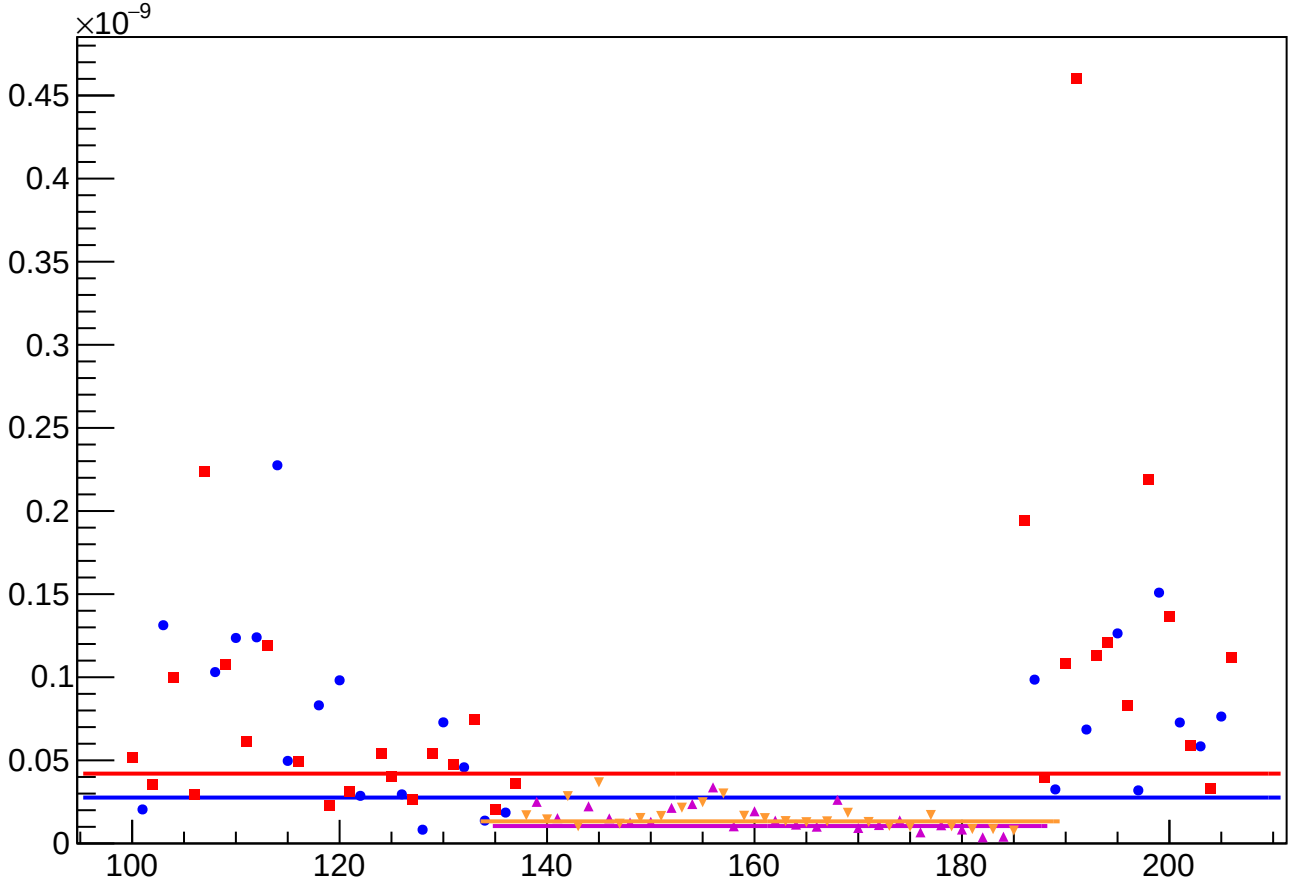
Left In: 0.000+/-0.000 χ^2/NDF:32.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.8/49

All: 0.000+/-0.000 χ^2/NDF: 104.8/103

- sign 0.000+/-0.000 χ^2/NDF: 51.3/53

asym_atl1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4739553.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:1472019.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3948845.0/30

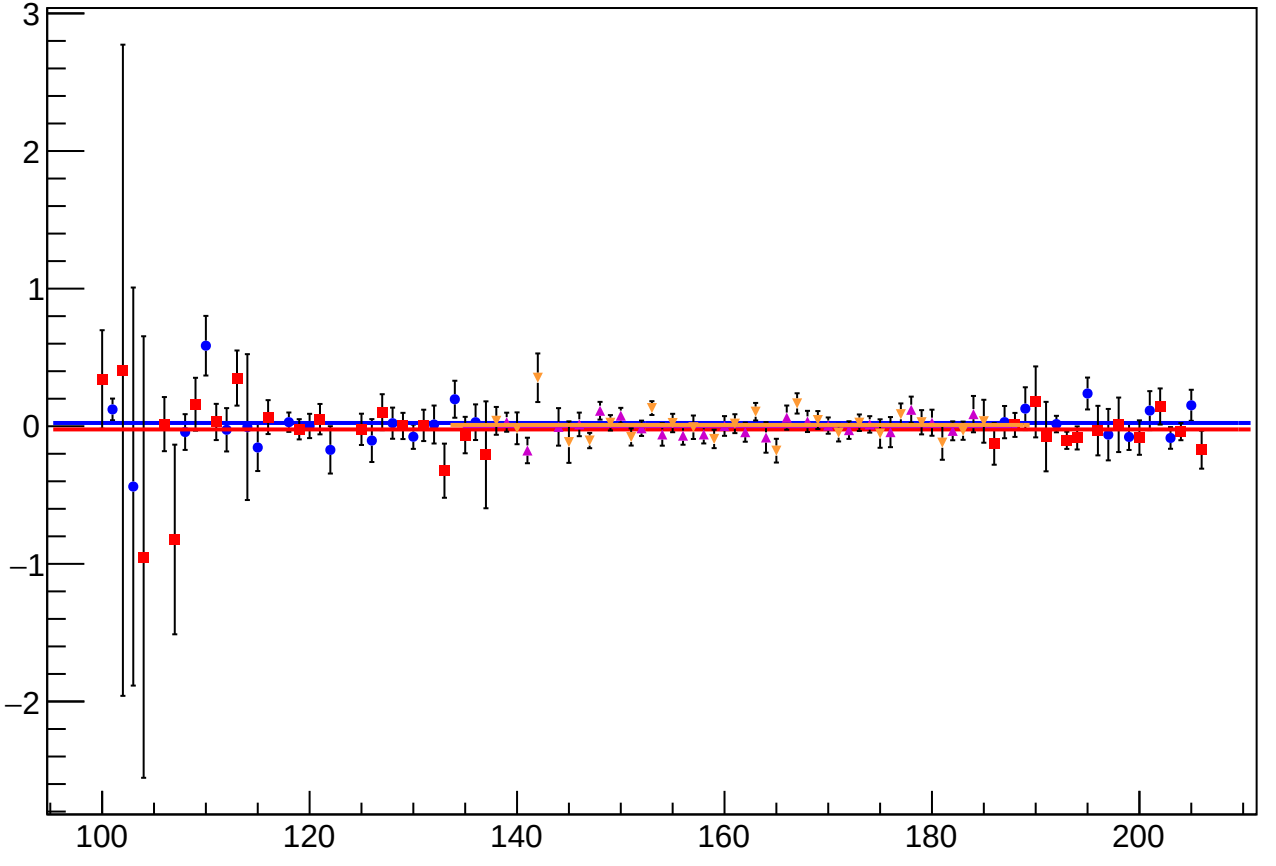
Left In: 0.000+/-0.000 χ^2/NDF:2813965.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7699429.2/49

All: 0.000+/-0.000 χ^2/NDF: 19420888.5/103

- sign 0.000+/-0.000 χ^2/NDF: 11439257.9/53

asym_atl1_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.023+/-0.022 χ^2/NDF: 18.5/29

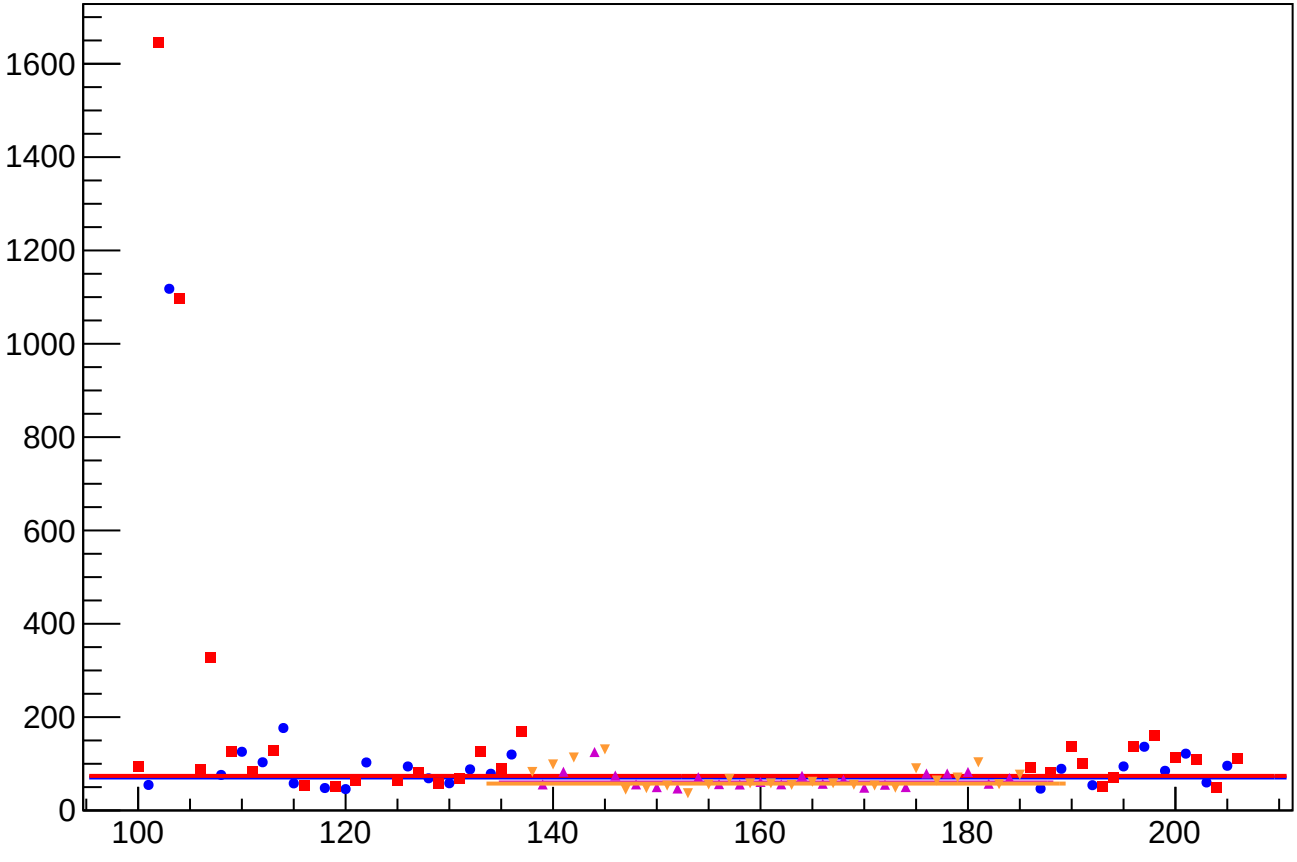
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 58.6/48

All: 0.004+/-0.009 χ^2/NDF: 94.9/101

- sign -0.007+/-0.013 χ^2/NDF: 34.9/52

asym_atl1_dit_vs_cor_diff_rms vs Slug



Right In: 70.662+/-0.016 χ^2/NDF: 3326891.2/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817074.0/29

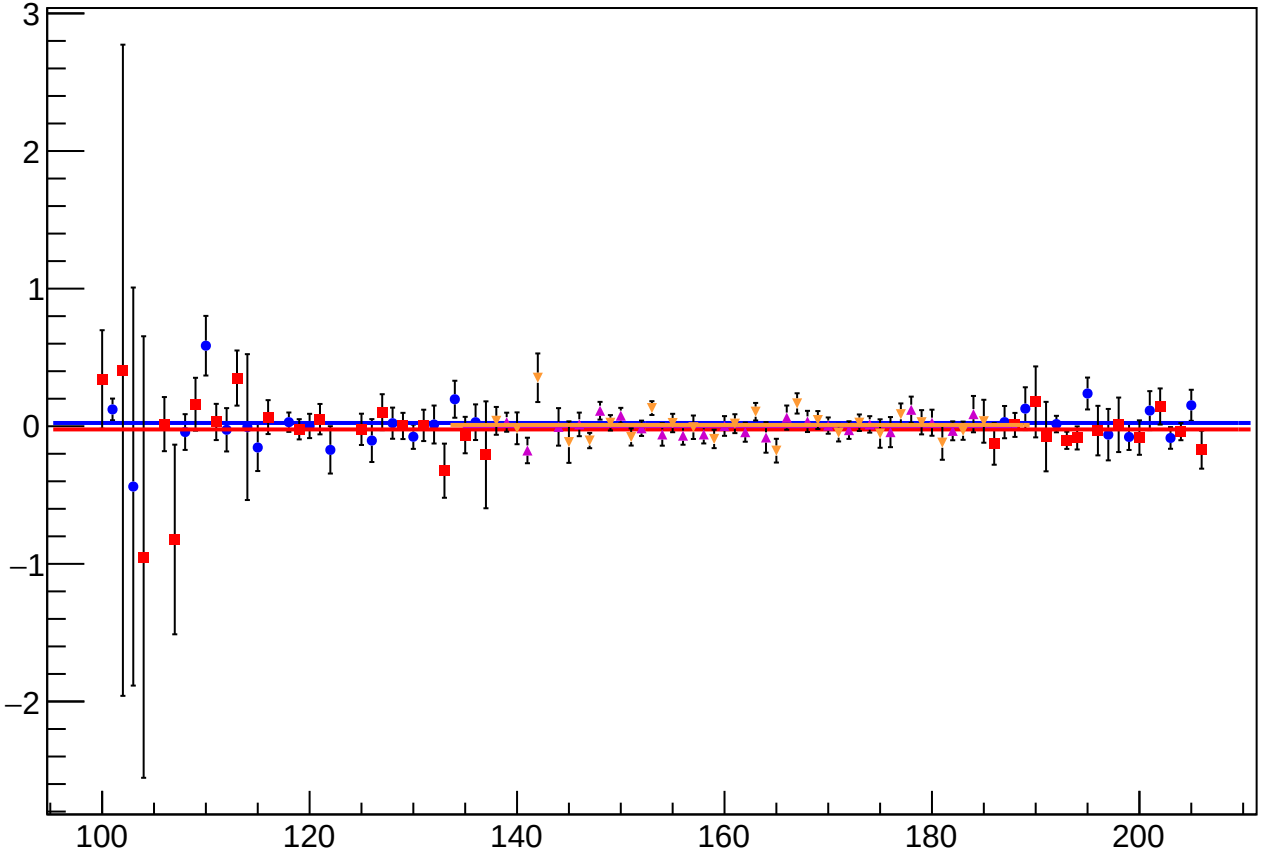
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.695+/-0.009 χ^2/NDF: 6007889.1/48

All: 63.035+/-0.006 χ^2/NDF: 12757621.9/101

- sign 64.424+/-0.009 χ^2/NDF: 6703066.2/52

asym_atl1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.023+/-0.022 χ^2/NDF: 18.5/29

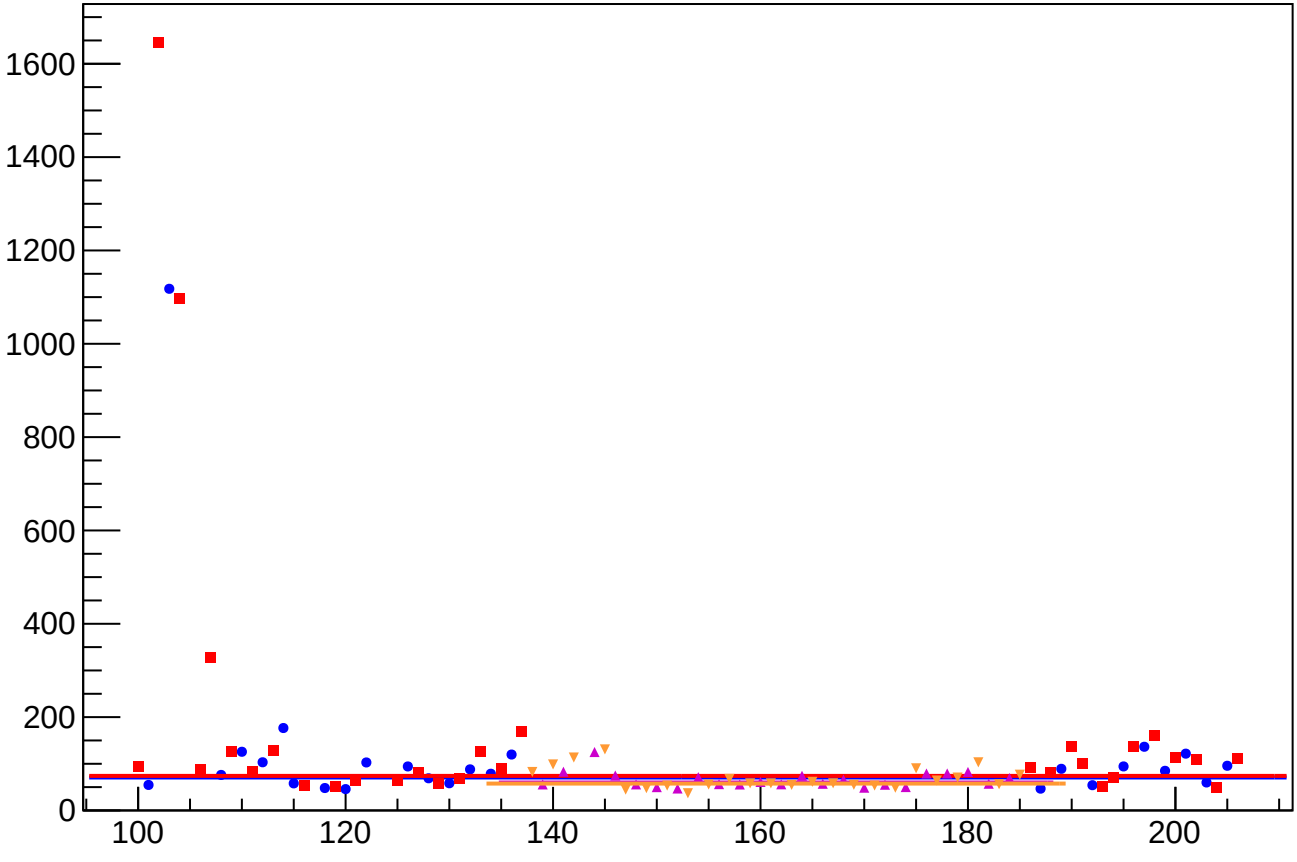
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 58.6/48

All: 0.004+/-0.009 χ^2/NDF: 94.9/101

- sign -0.007+/-0.013 χ^2/NDF: 34.9/52

asym_atl1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.662+/-0.016 χ^2/NDF: 3326891.2/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213142.2/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817074.0/29

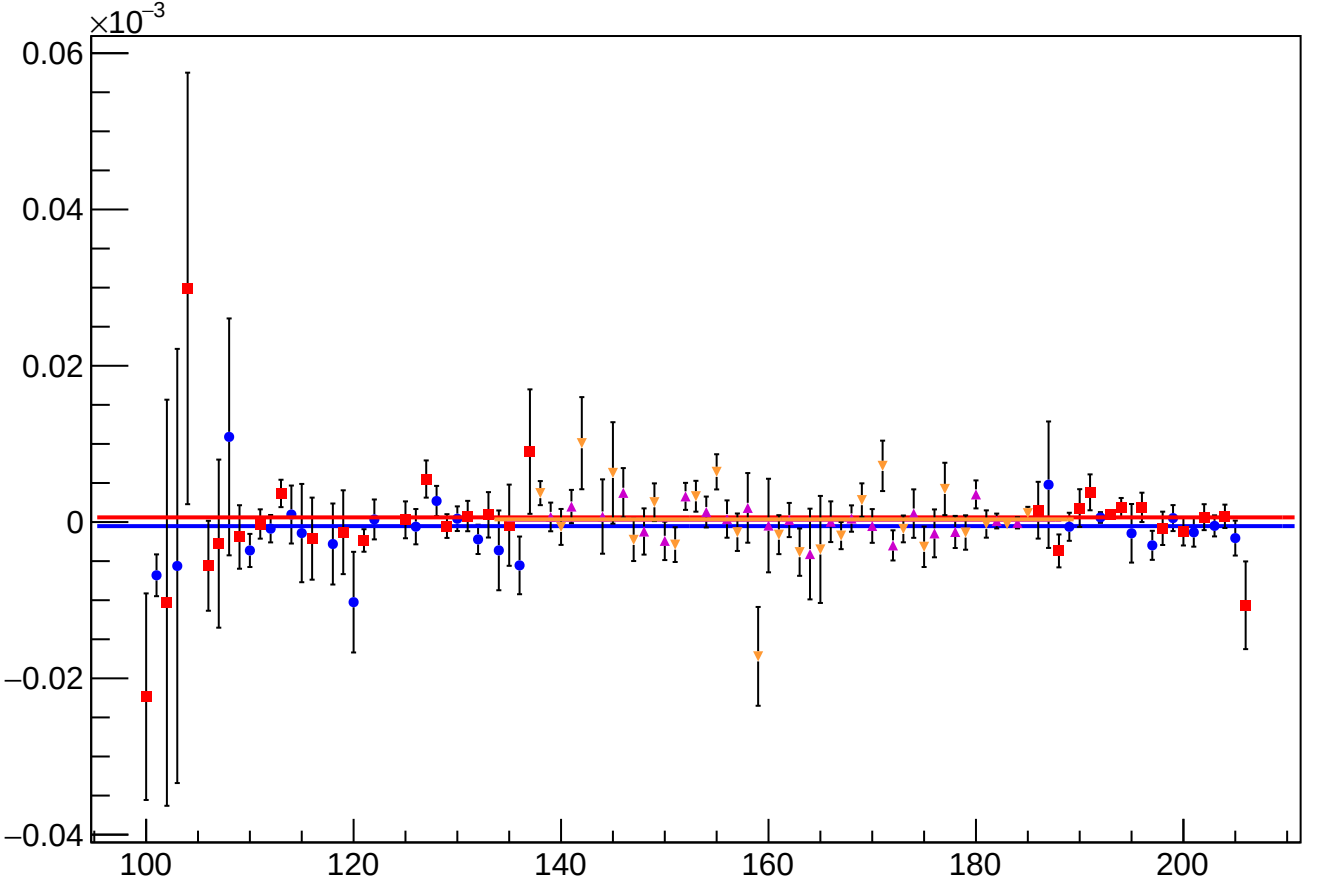
Left In: 59.828+/-0.011 χ^2/NDF:1340700.1/22

+ sign 61.695+/-0.009 χ^2/NDF: 6007889.1/48

All: 63.035+/-0.006 χ^2/NDF: 12757621.9/101

- sign 64.424+/-0.009 χ^2/NDF: 6703066.2/52

asym_atl1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:46.8/23

Right Out: 0.000+/-0.000 χ^2/NDF: 33.4/29

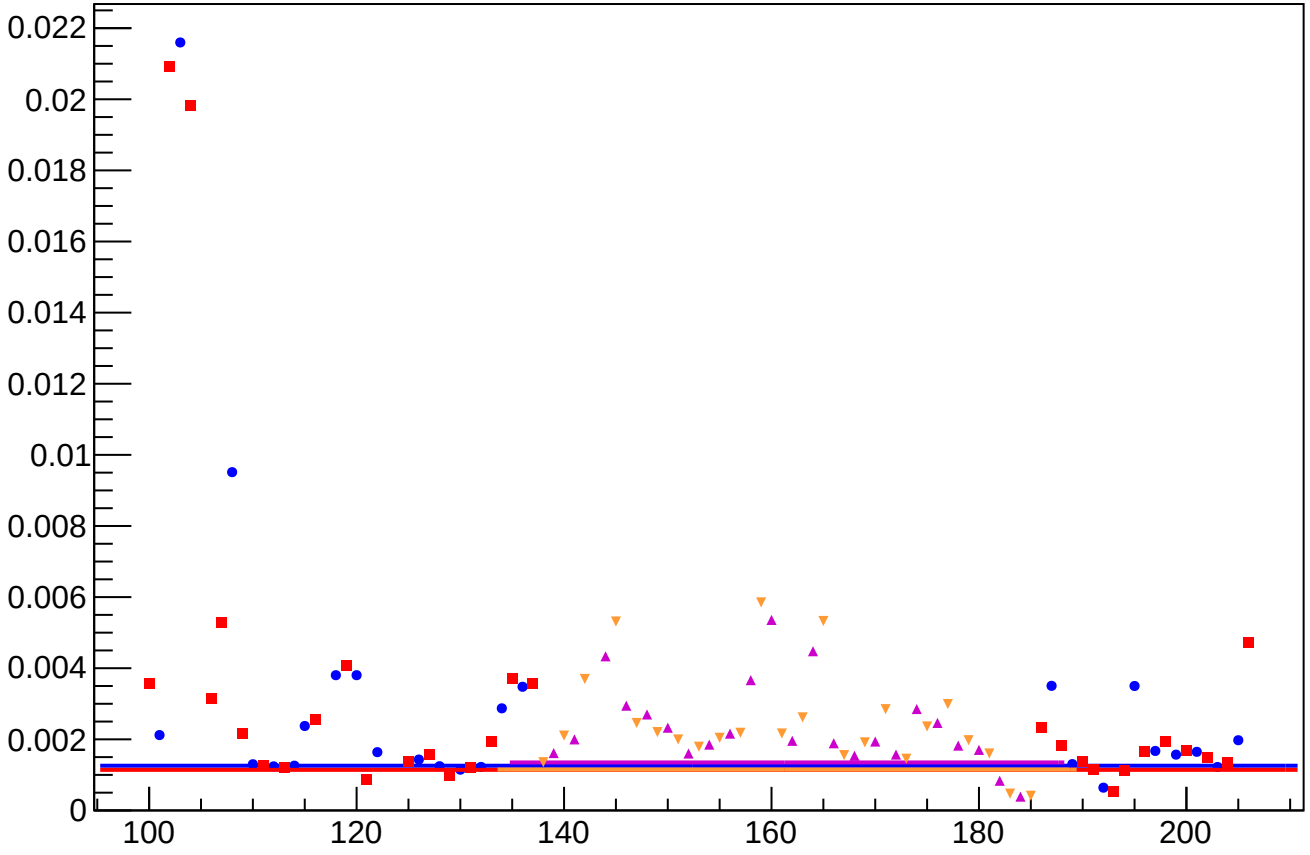
Left In: 0.000+/-0.000 χ^2/NDF:14.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.7/48

All: 0.000+/-0.000 χ^2/NDF: 123.1/101

- sign 0.000+/-0.000 χ^2/NDF: 48.7/52

asym_atl1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 6683421.1/24

Left Out: 0.001+/-0.000 χ^2/NDF:13242273.9/23

Right Out: 0.001+/-0.000 χ^2/NDF: 8640973.9/29

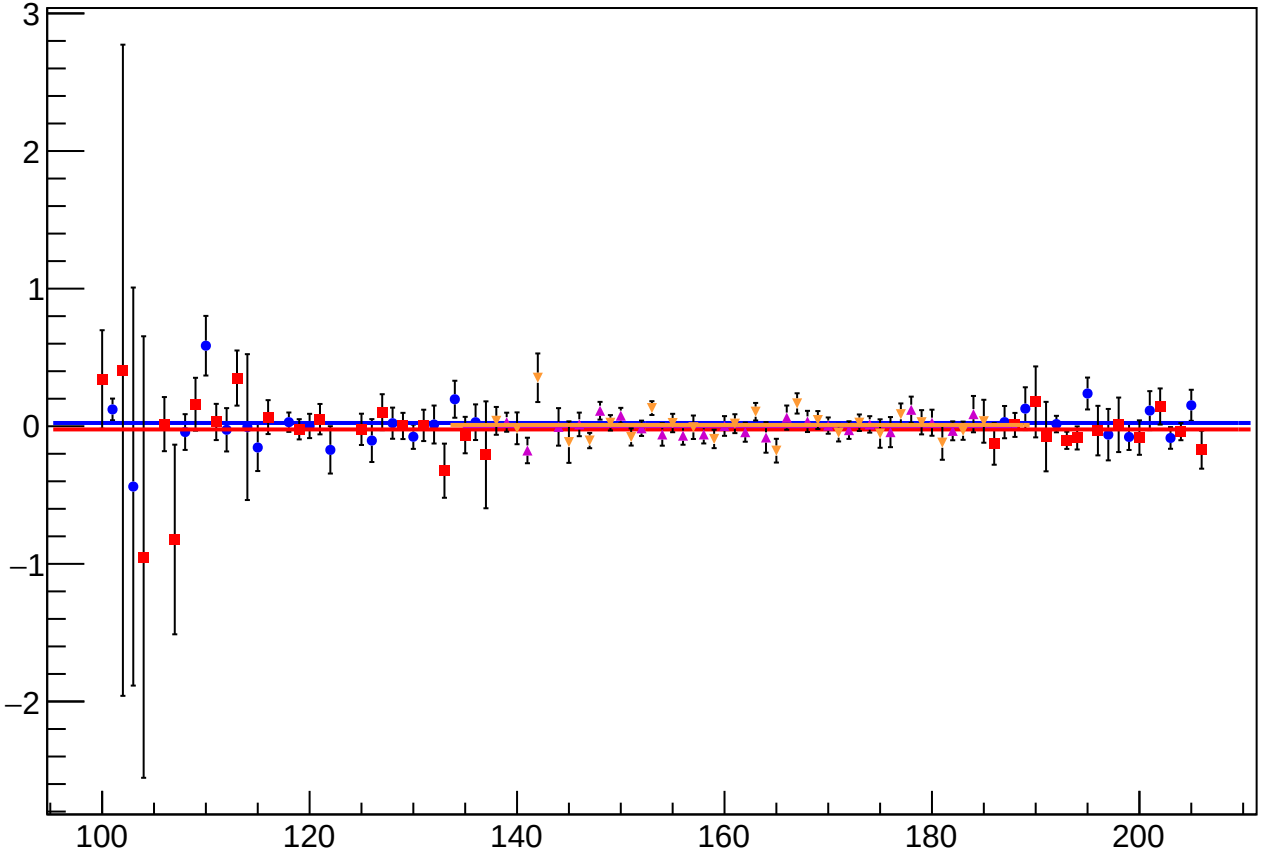
Left In: 0.001+/-0.000 χ^2/NDF:10247159.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 20011150.8/48

All: 0.001+/-0.000 χ^2/NDF: 39247380.7/101

- sign 0.001+/-0.000 χ^2/NDF: 19212256.9/52

asym_atl1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.023+/-0.022 χ^2/NDF: 18.5/29

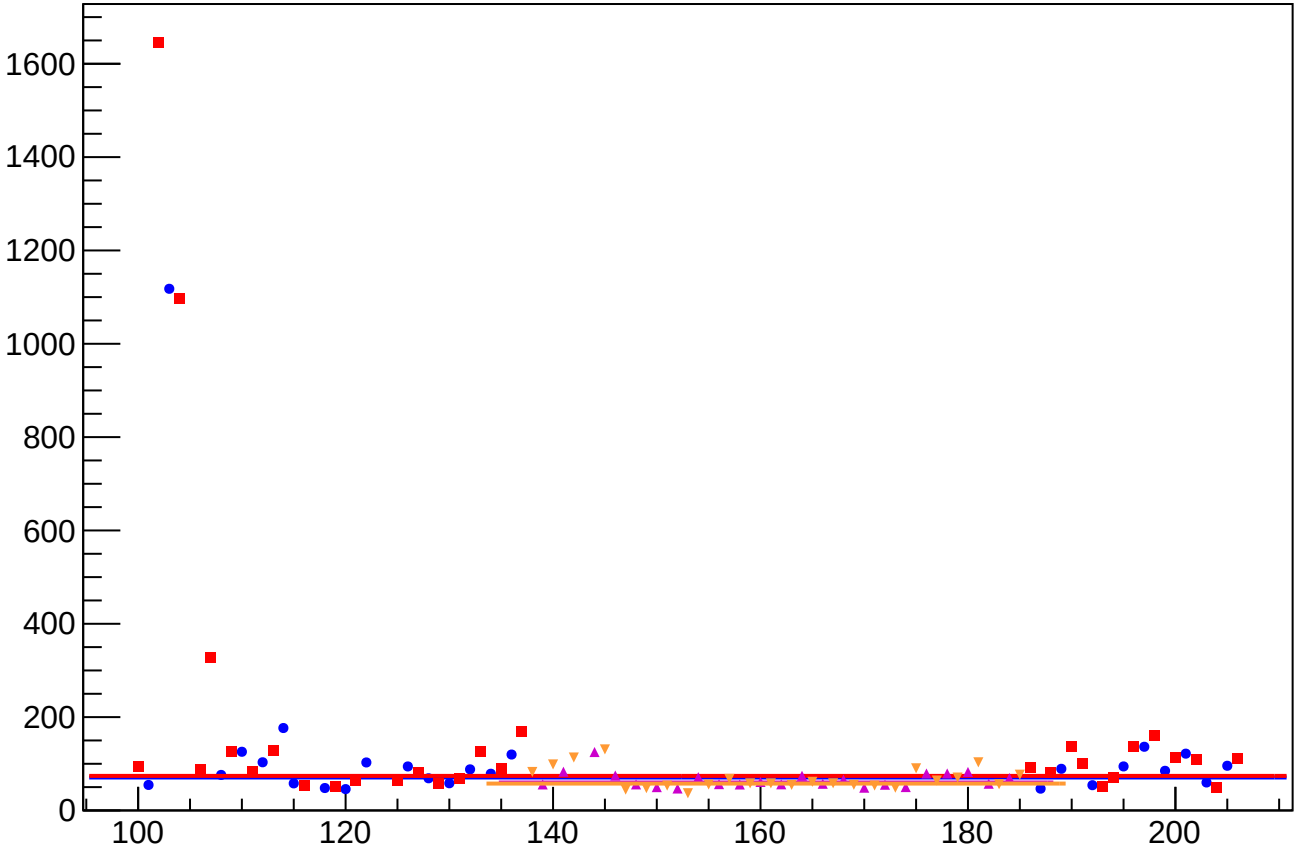
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 58.6/48

All: 0.004+/-0.009 χ^2/NDF: 94.9/101

- sign -0.007+/-0.013 χ^2/NDF: 34.9/52

asym_atl1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 70.661+/-0.016 χ^2/NDF: 3327027.8/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817173.1/29

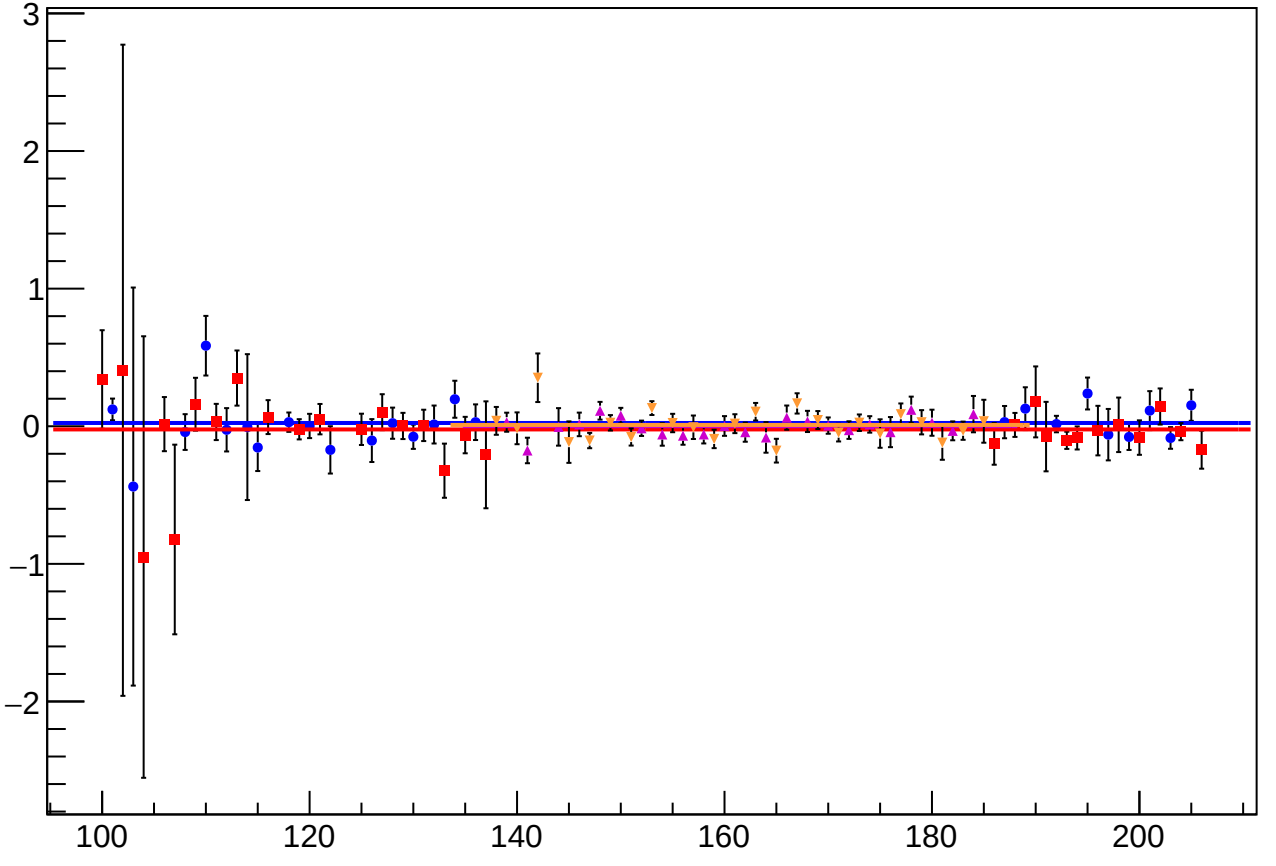
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.695+/-0.009 χ^2/NDF: 6008055.8/48

All: 63.035+/-0.006 χ^2/NDF: 12757838.9/101

- sign 64.424+/-0.009 χ^2/NDF: 6703110.1/52

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024+/-0.022 χ^2/NDF: 23.7/24

Left Out: 0.009+/-0.015 χ^2/NDF:34.7/23

Right Out: -0.023+/-0.022 χ^2/NDF: 18.5/29

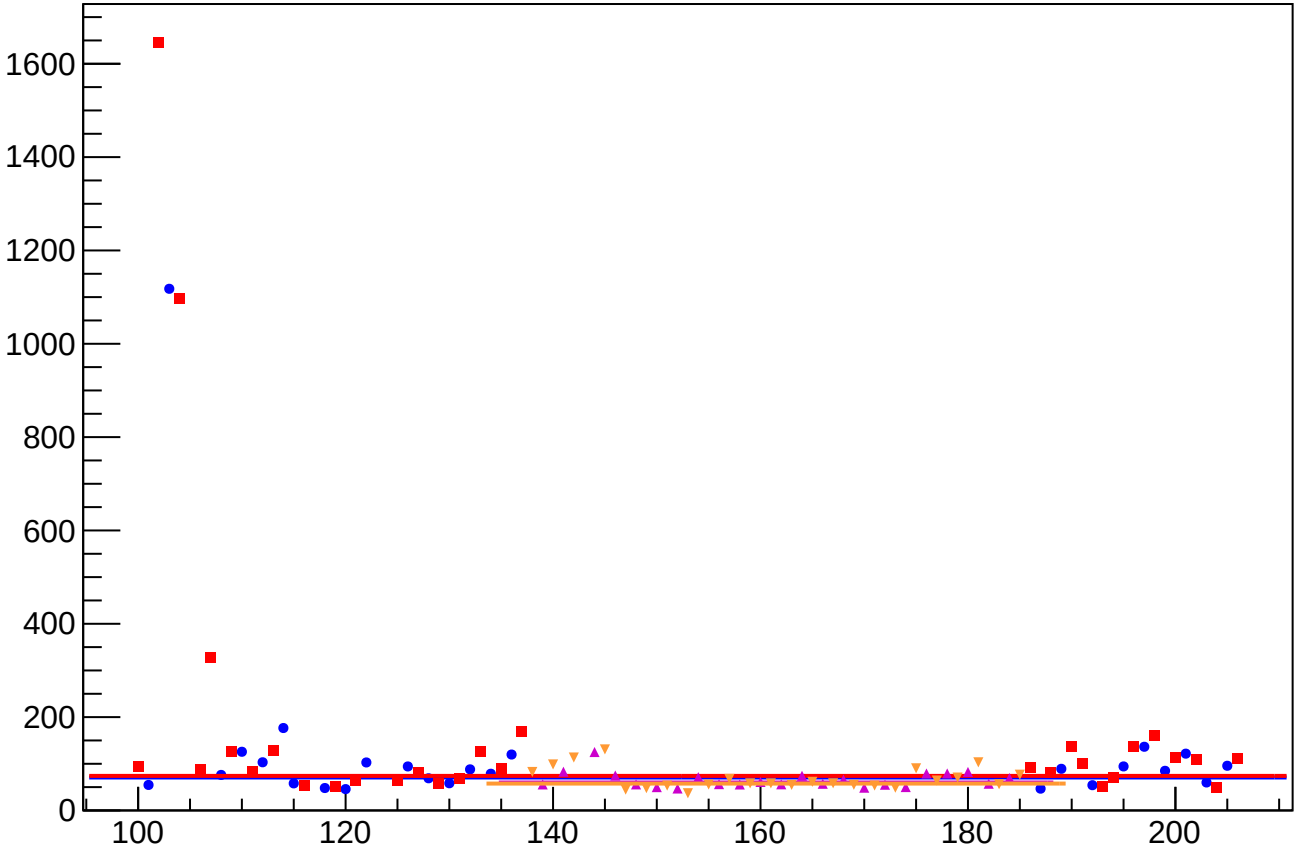
Left In: 0.001+/-0.015 χ^2/NDF:15.6/22

+ sign 0.014+/-0.013 χ^2/NDF: 58.6/48

All: 0.004+/-0.009 χ^2/NDF: 94.9/101

- sign -0.007+/-0.013 χ^2/NDF: 34.9/52

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 70.661+/-0.016 χ^2/NDF: 3327027.8/24

Left Out: 57.606+/-0.011 χ^2/NDF:2213216.3/23

Right Out: 74.064+/-0.016 χ^2/NDF: 4817173.1/29

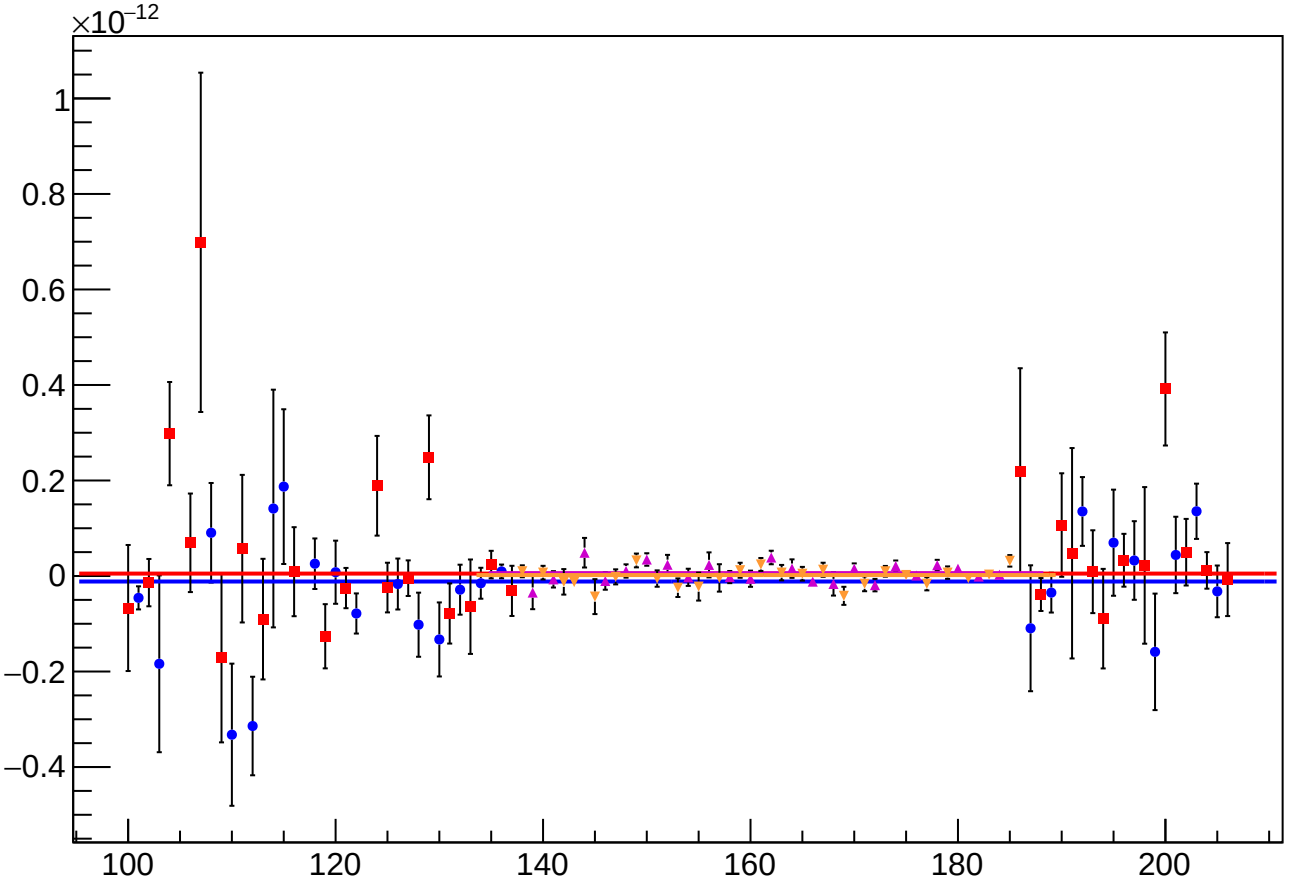
Left In: 59.828+/-0.011 χ^2/NDF:1340684.6/22

+ sign 61.695+/-0.009 χ^2/NDF: 6008055.8/48

All: 63.035+/-0.006 χ^2/NDF: 12757838.9/101

- sign 64.424+/-0.009 χ^2/NDF: 6703110.1/52

asym_atl1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 43.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:31.9/24

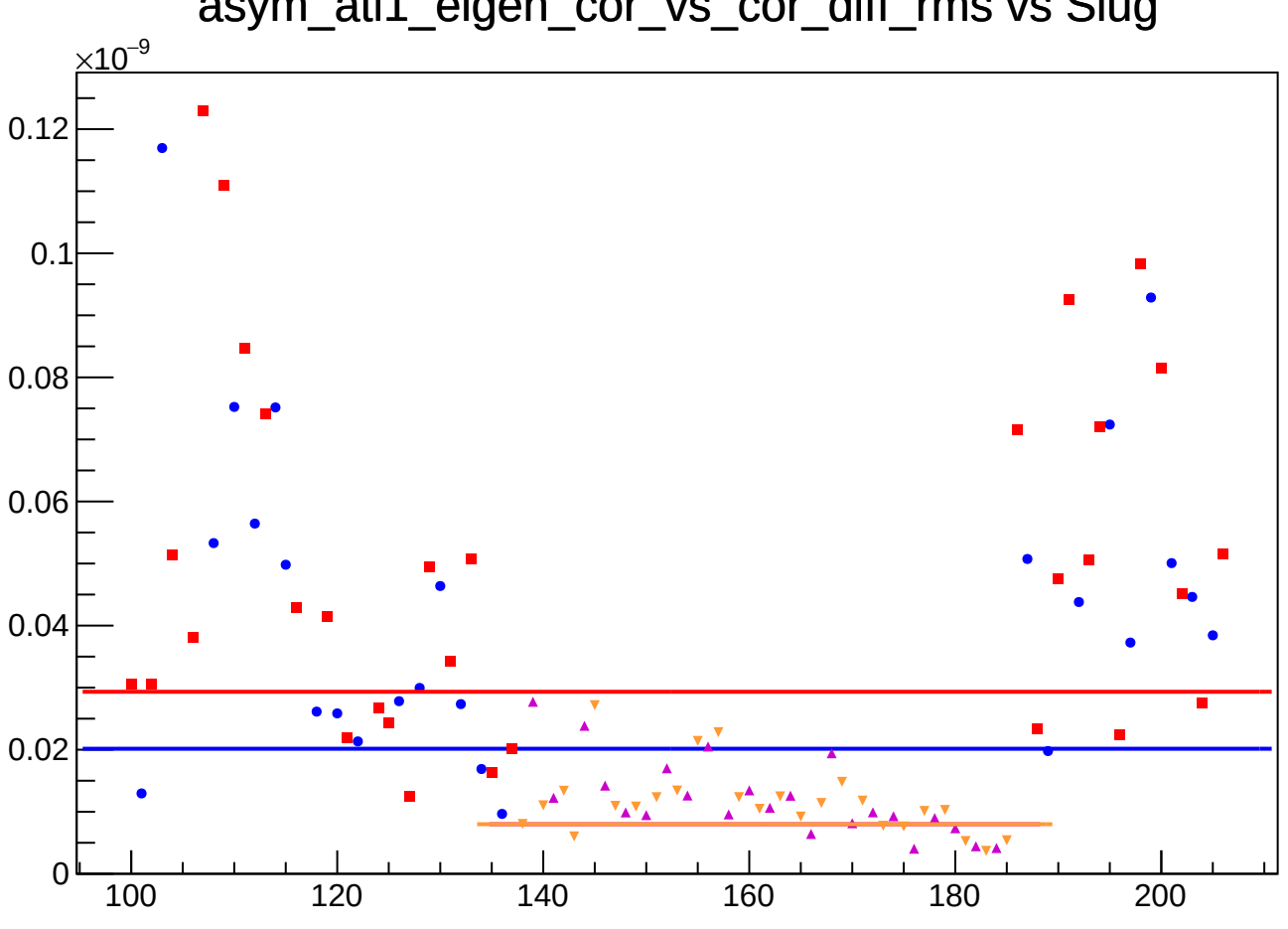
Right Out: 0.000+/-0.000 χ^2/NDF: 48.1/30

Left In: 0.000+/-0.000 χ^2/NDF:32.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.9/49

All: 0.000+/-0.000 χ^2/NDF: 159.5/103

- sign 0.000+/-0.000 χ^2/NDF: 80.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 5509268.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:4887759.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4307329.4/30

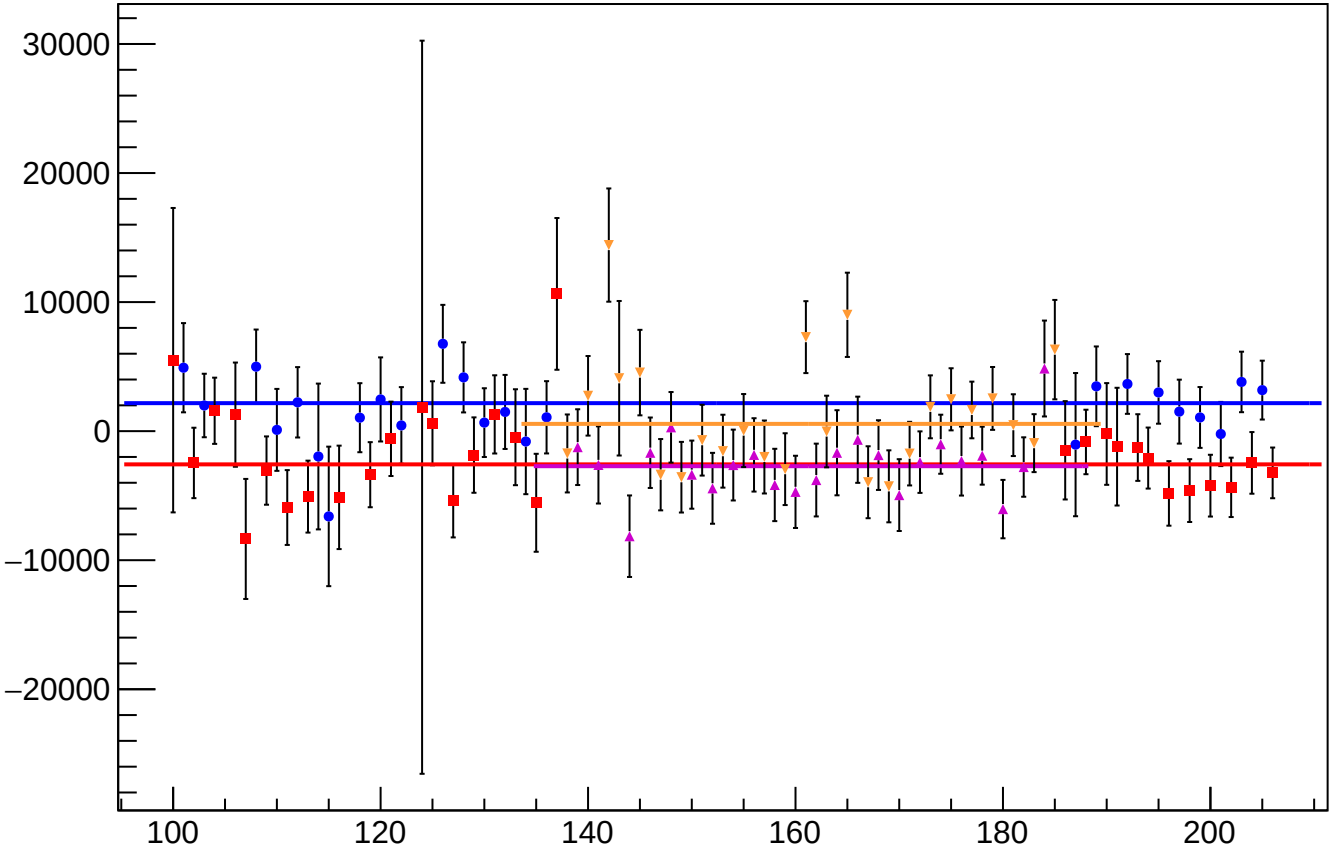
Left In: 0.000+/-0.000 χ^2/NDF:5188583.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13691556.5/49

All: 0.000+/-0.000 χ^2/NDF: 29800579.1/103

- sign 0.000+/-0.000 χ^2/NDF: 16103635.1/53

reg_asym_atl2_mean vs Slug



Right In: 2169.234+/-569.356 χ^2/NDF: 12.6/24

Left Out: 562.390+/-557.316 χ^2/NDF:43.9/24

Right Out: -2574.419+/-531.049 χ^2/NDF: 22.4/30

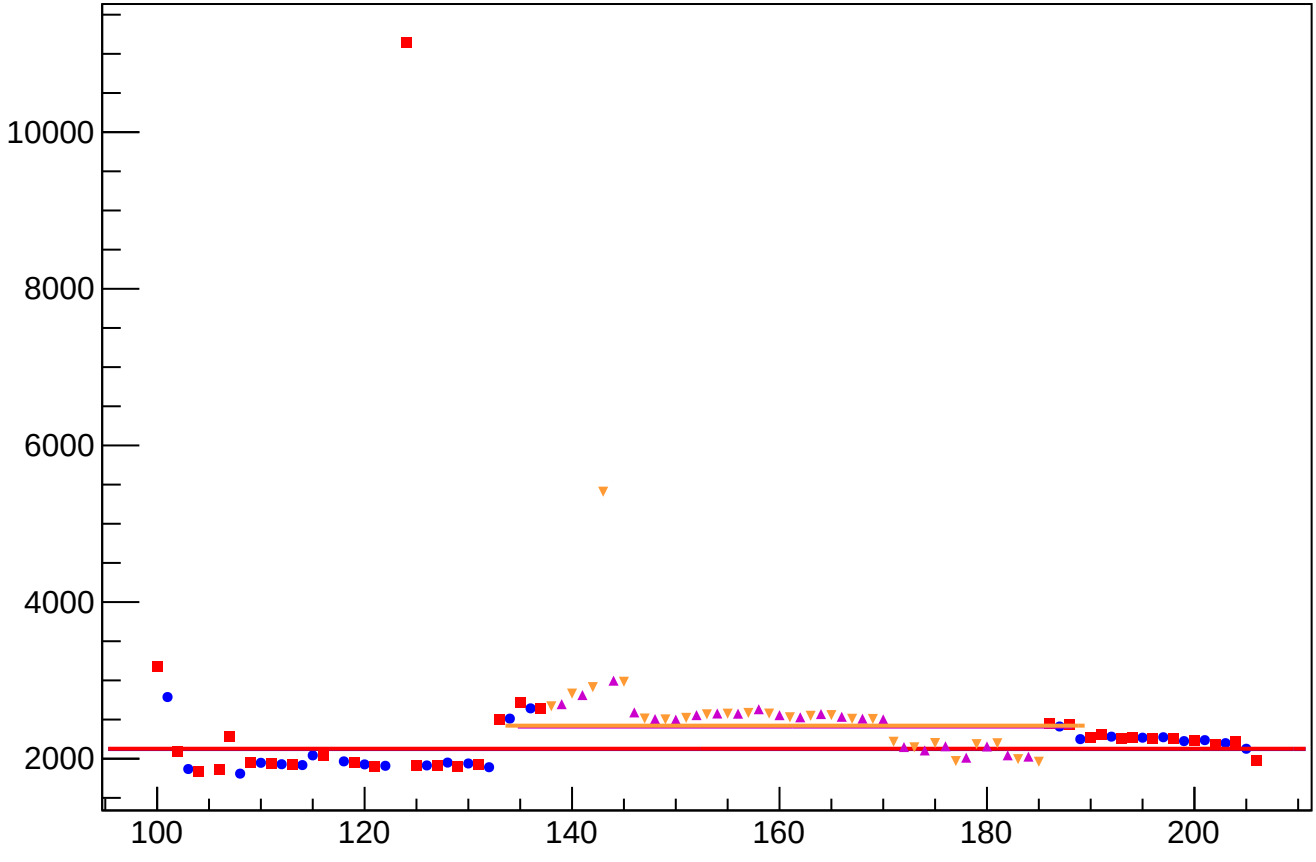
Left In: -2716.200+/-566.202 χ^2/NDF:14.3/22

+ sign 1348.643+/-398.270 χ^2/NDF: 60.6/49

All: -701.560+/-277.675 χ^2/NDF: 148.9/103

- sign -2640.772+/-387.340 χ^2/NDF: 36.7/53

reg_asym_atl2_rms vs Slug



Right In: 2123.349+/-0.403 χ^2/NDF: 332891.1/24

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2127.372+/-0.376 χ^2/NDF: 525864.2/30

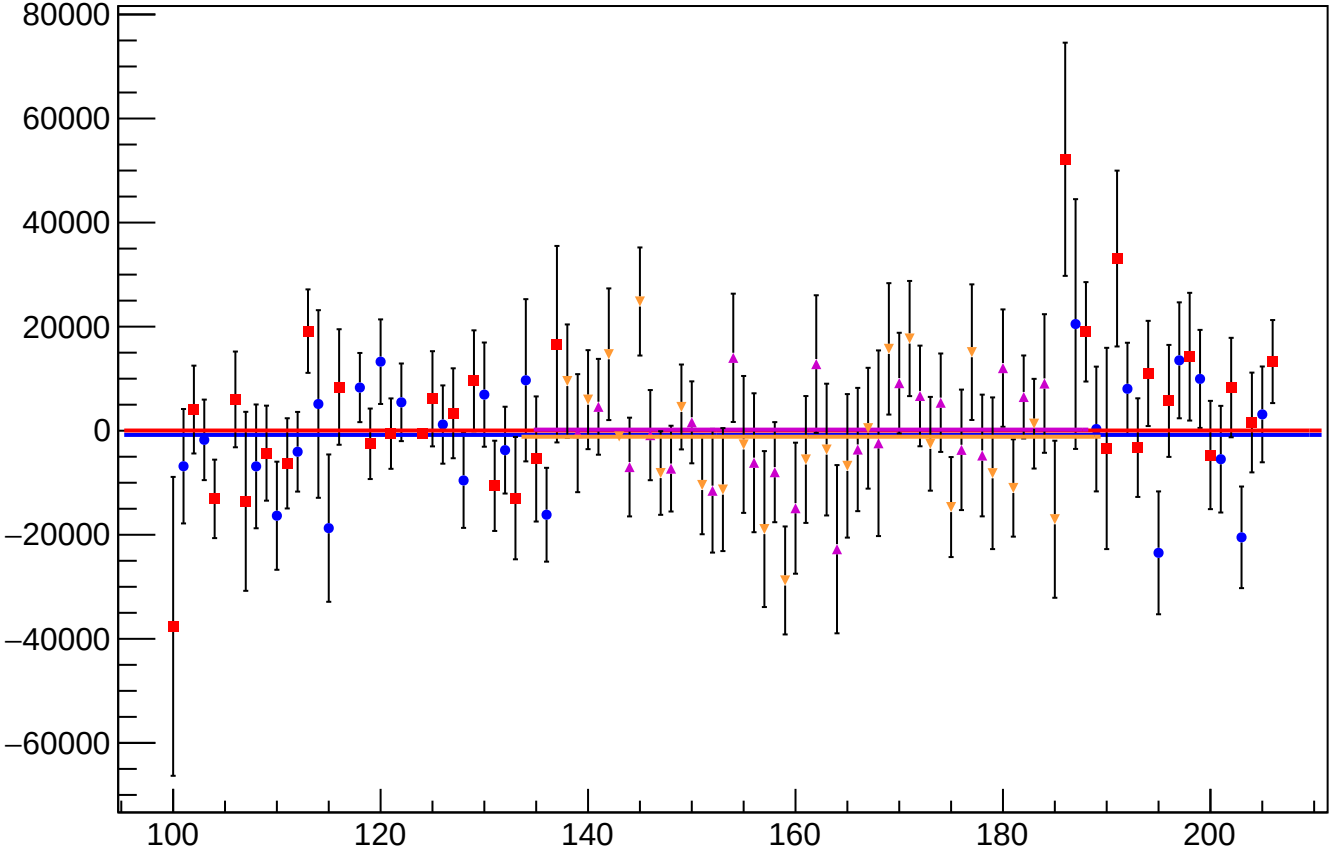
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2275.943+/-0.282 χ^2/NDF: 1567058.7/49

All: 2267.522+/-0.196 χ^2/NDF: 2787803.6/10

- sign 2259.556+/-0.274 χ^2/NDF: 1219004.9/53

asym_atl2_reg_correction_mean vs Slug



Right In: -806.666+/-1916.098 χ^2/NDF: 28.2/24

Left Out: -1158.214+/-757.797 χ^2/NDF:31.9/24

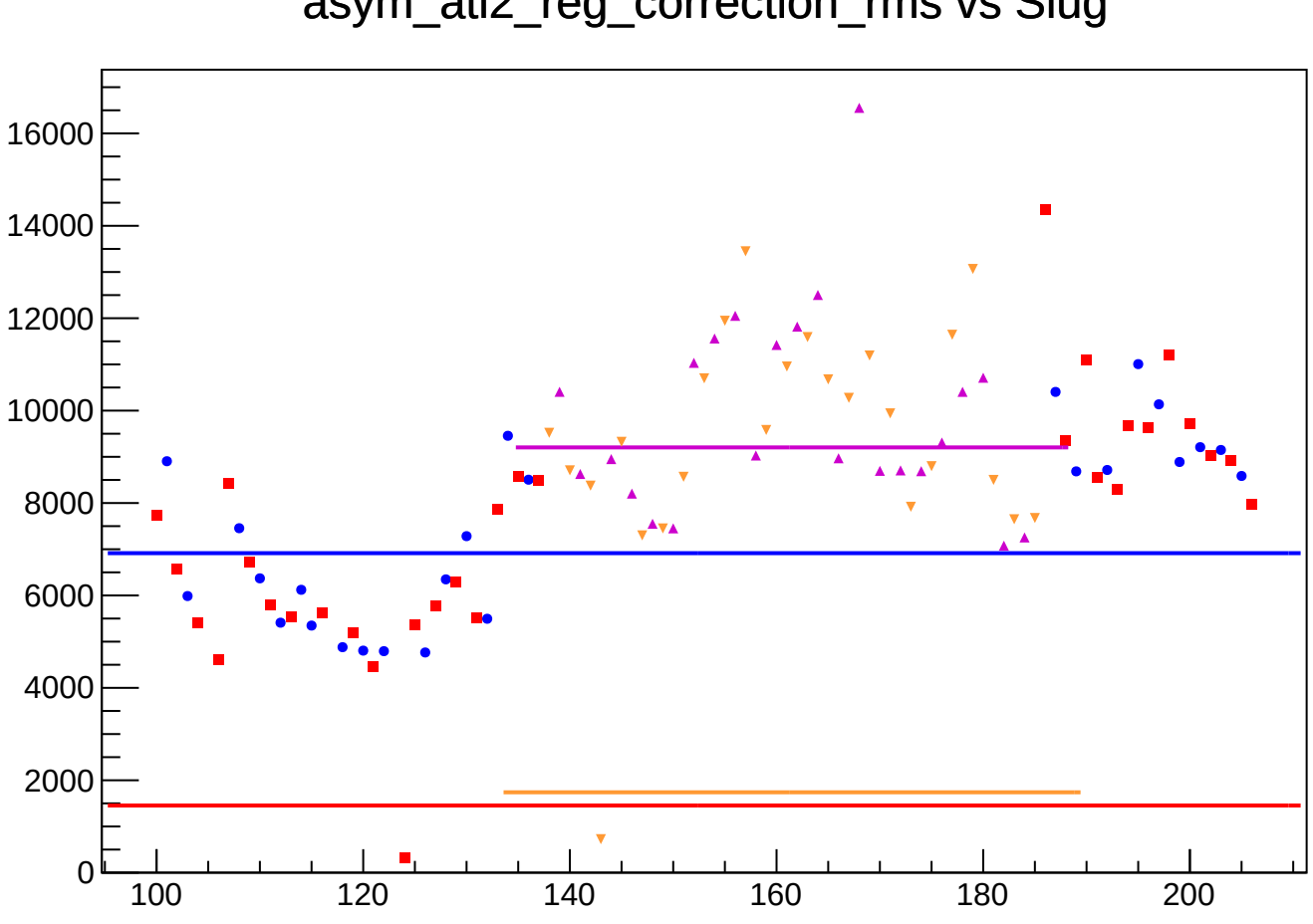
Right Out: 36.237+/-746.138 χ^2/NDF: 38.8/30

Left In: 209.655+/-2195.058 χ^2/NDF:13.4/22

+ sign -1110.665+/-704.688 χ^2/NDF: 60.2/49

All: -529.680+/-498.908 χ^2/NDF: 113.8/103

- sign 54.199+/-706.441 χ^2/NDF: 52.2/53



Right In: 6915.259+/-1.355 χ^2/NDF: 1974466.3/24

Left Out: 1739.692+/-0.536 χ^2/NDF:27734045.9/24

Right Out: 1454.148+/-0.528 χ^2/NDF: 24894957.3/30

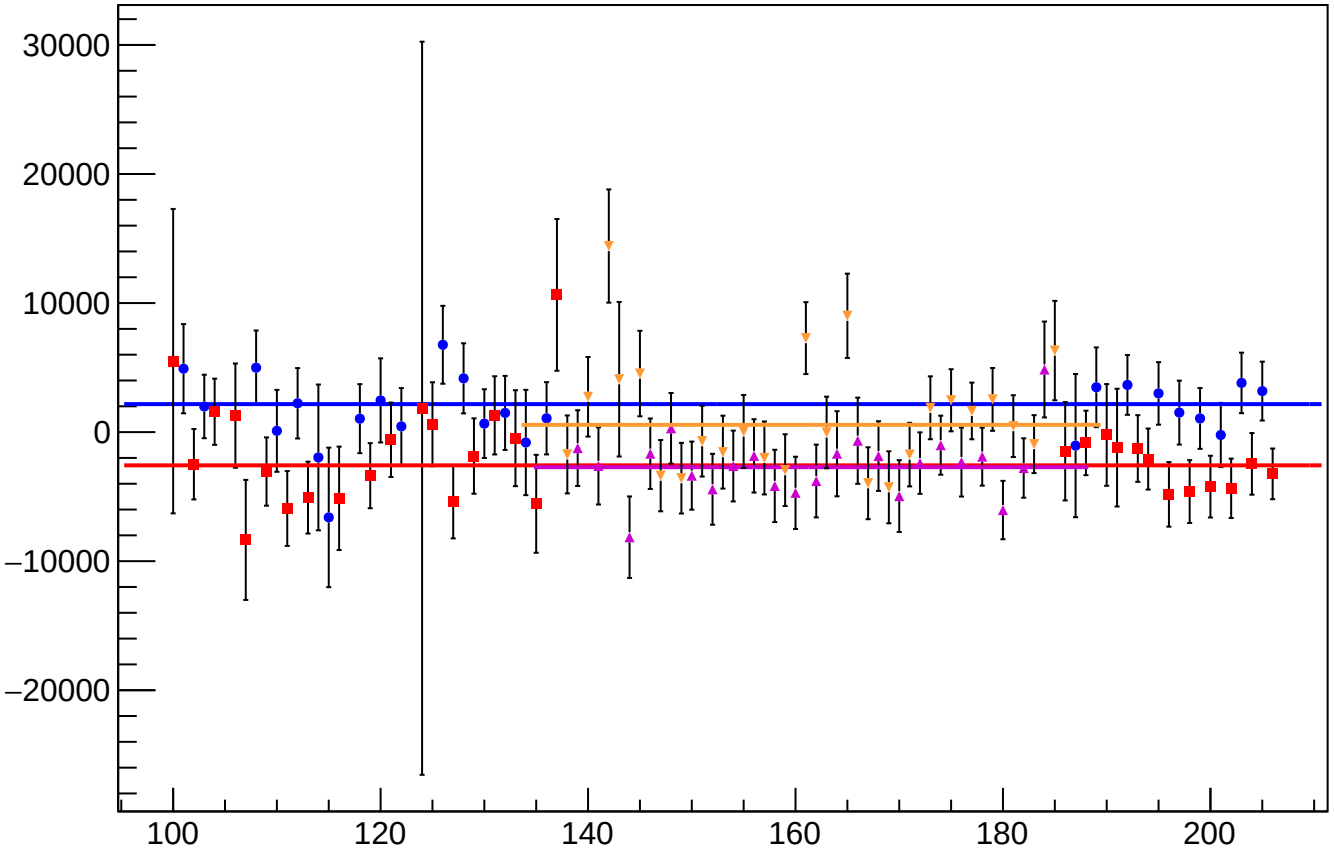
Left In: 9203.758+/-1.552 χ^2/NDF:1272066.5/22

+ sign 2439.721+/-0.498 χ^2/NDF: 42326729.6/49

All: 2348.499+/-0.353 χ^2/NDF: 90907526.6/1

- sign 2256.823+/-0.500 χ^2/NDF: 48513601.0/53

cor_asym_atl2_mean vs Slug



Right In: 2169.214+/-569.356 χ^2/NDF: 12.6/24

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2575.313+/-531.052 χ^2/NDF: 22.4/30

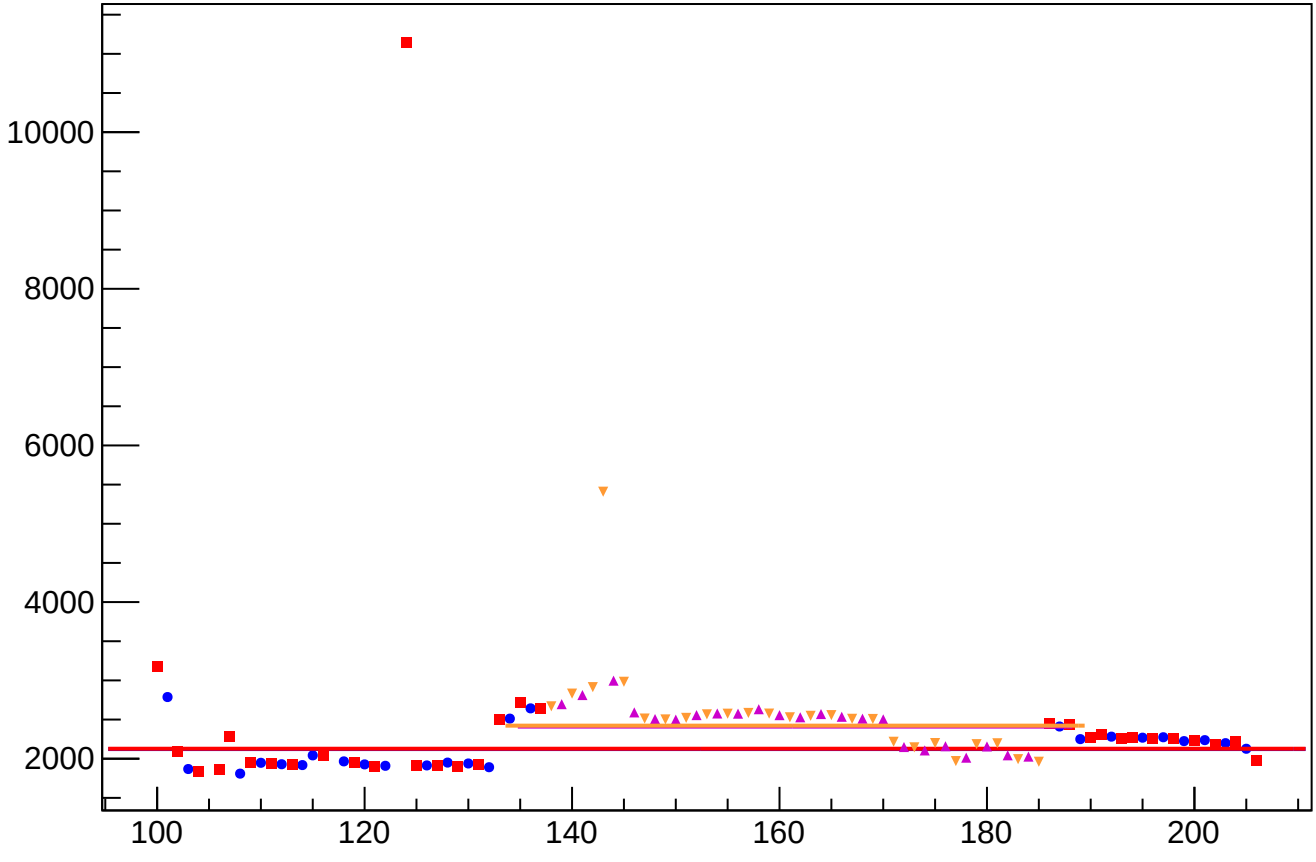
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1348.635+/-398.271 χ^2/NDF: 60.6/49

All: -701.794+/-277.675 χ^2/NDF: 148.9/103

- sign -2641.230+/-387.341 χ^2/NDF: 36.7/53

cor_asym_atl2_rms vs Slug



Right In: 2123.349+/-0.403 χ^2/NDF: 332891.0/24

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2127.383+/-0.376 χ^2/NDF: 525859.2/30

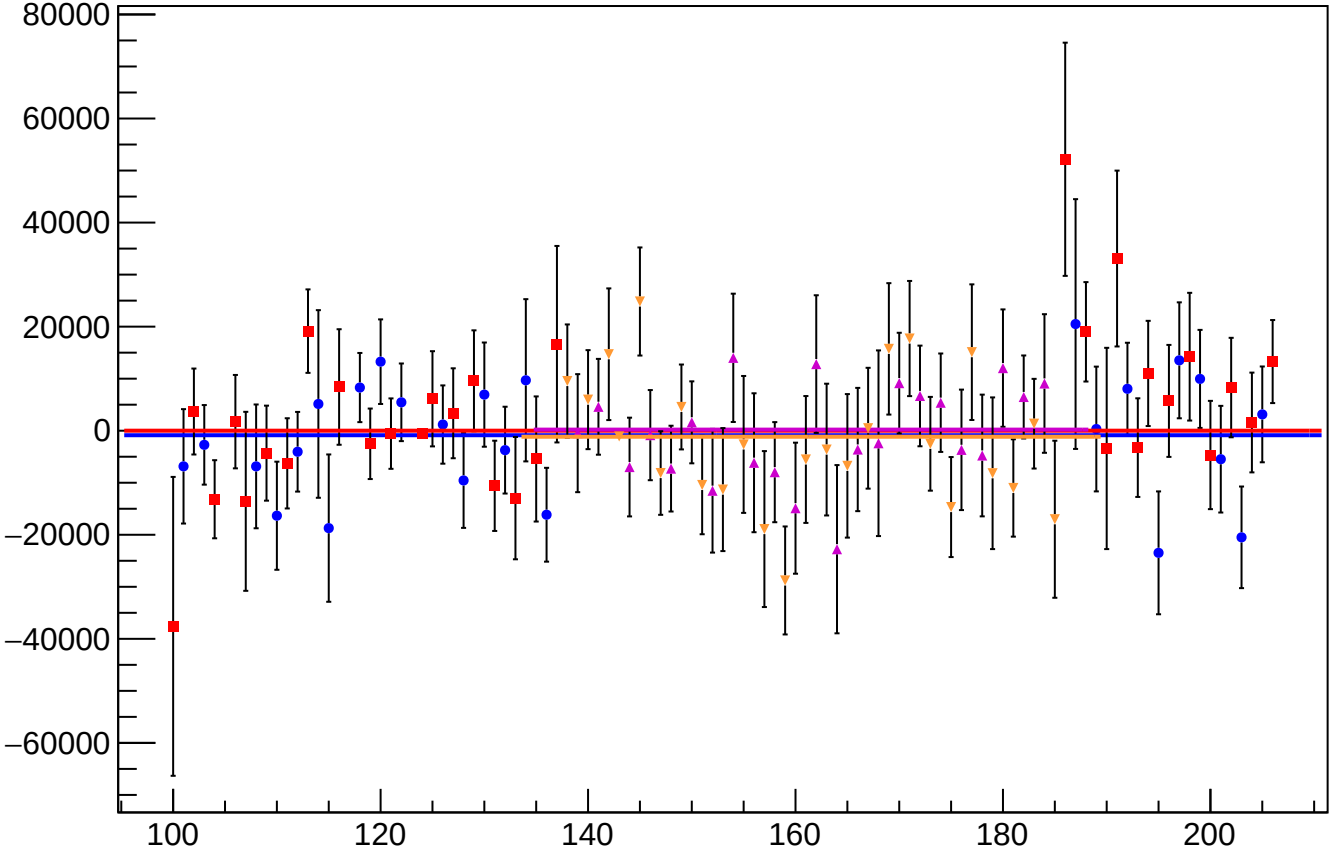
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2275.943+/-0.282 χ^2/NDF: 1567058.8/49

All: 2267.525+/-0.196 χ^2/NDF: 2787774.1/10

- sign 2259.563+/-0.274 χ^2/NDF: 1218976.8/53

asym_atl2_cor_correction_mean vs Slug



Right In: -868.776+/-1914.698 χ^2/NDF: 28.3/24

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 4.374+/-745.827 χ^2/NDF: 38.4/30

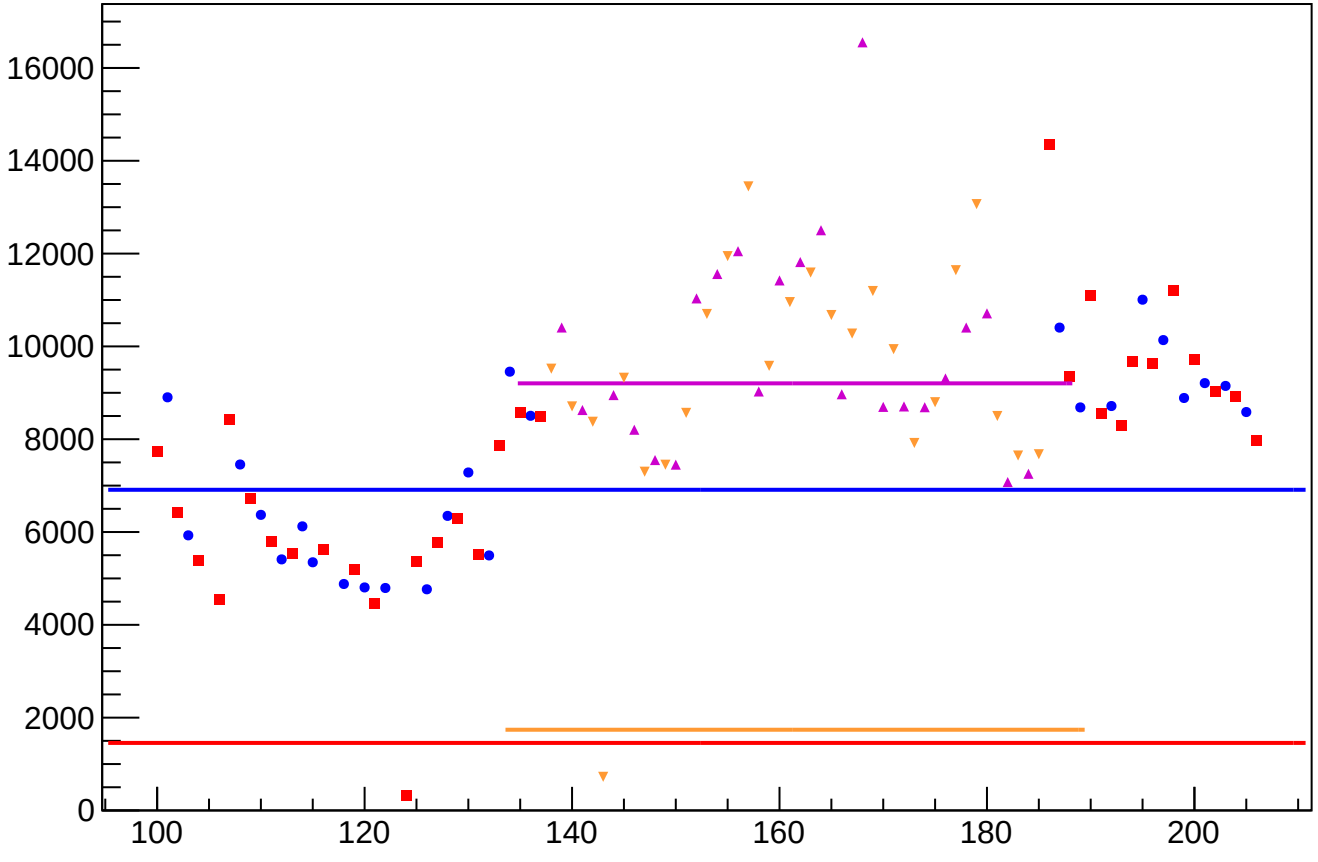
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1118.815+/-704.566 χ^2/NDF: 60.2/49

All: -547.912+/-498.772 χ^2/NDF: 113.4/103

- sign 25.604+/-706.177 χ^2/NDF: 51.8/53

asym_atl2_cor_correction_rms vs Slug



Right In: 6910.211+/-1.354 χ^2/NDF: 1978866.4/24

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1455.386+/-0.527 χ^2/NDF: 24886264.5/30

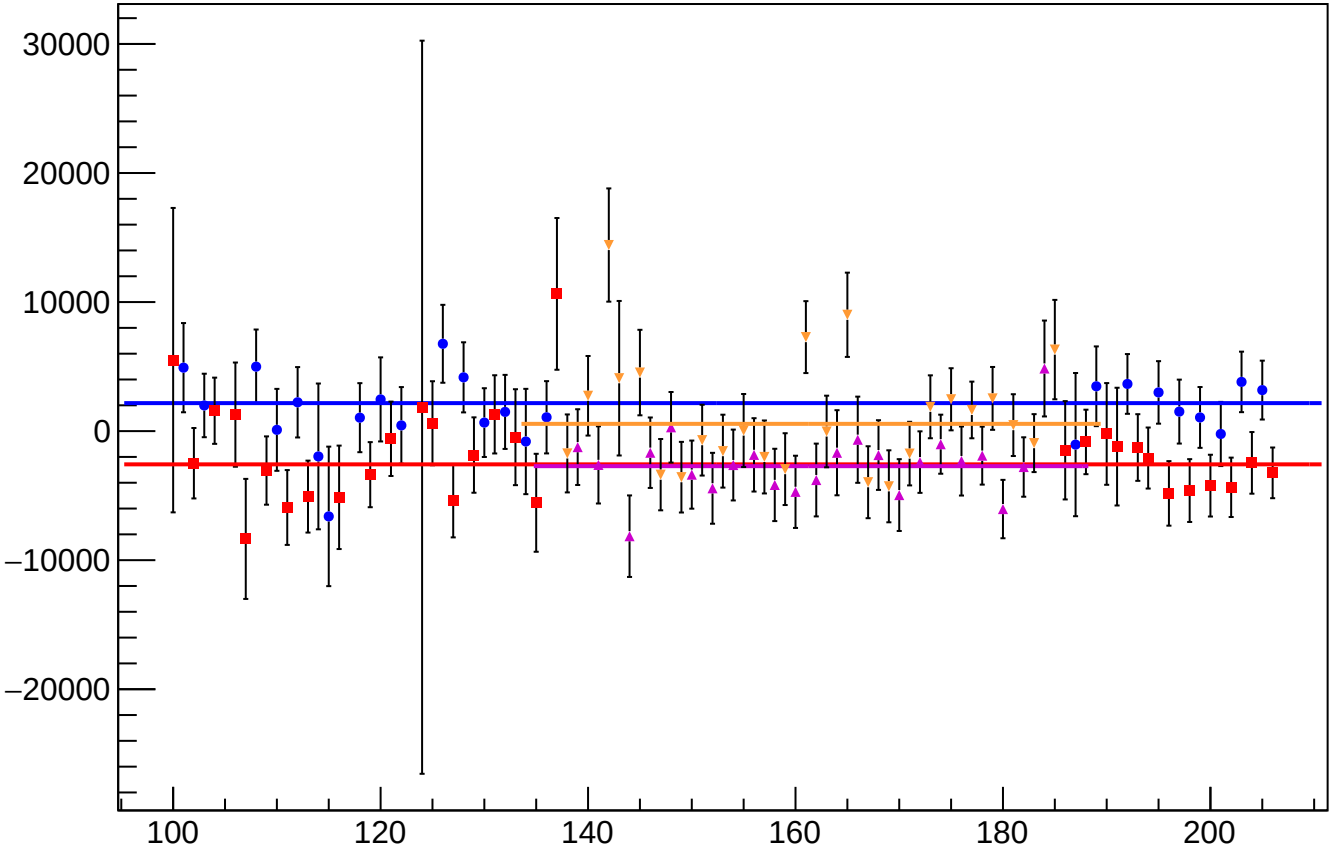
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2439.616+/-0.498 χ^2/NDF: 42324929.2/49

All: 2348.683+/-0.353 χ^2/NDF: 90891394.6/1

- sign 2257.333+/-0.499 χ^2/NDF: 48499684.0/53

eigen_cor_asym_atl2_mean vs Slug



Right In: 2169.214+/-569.356 χ^2/NDF: 12.6/24

Left Out: 562.392+/-557.316 χ^2/NDF:43.9/24

Right Out: -2575.313+/-531.052 χ^2/NDF: 22.4/30

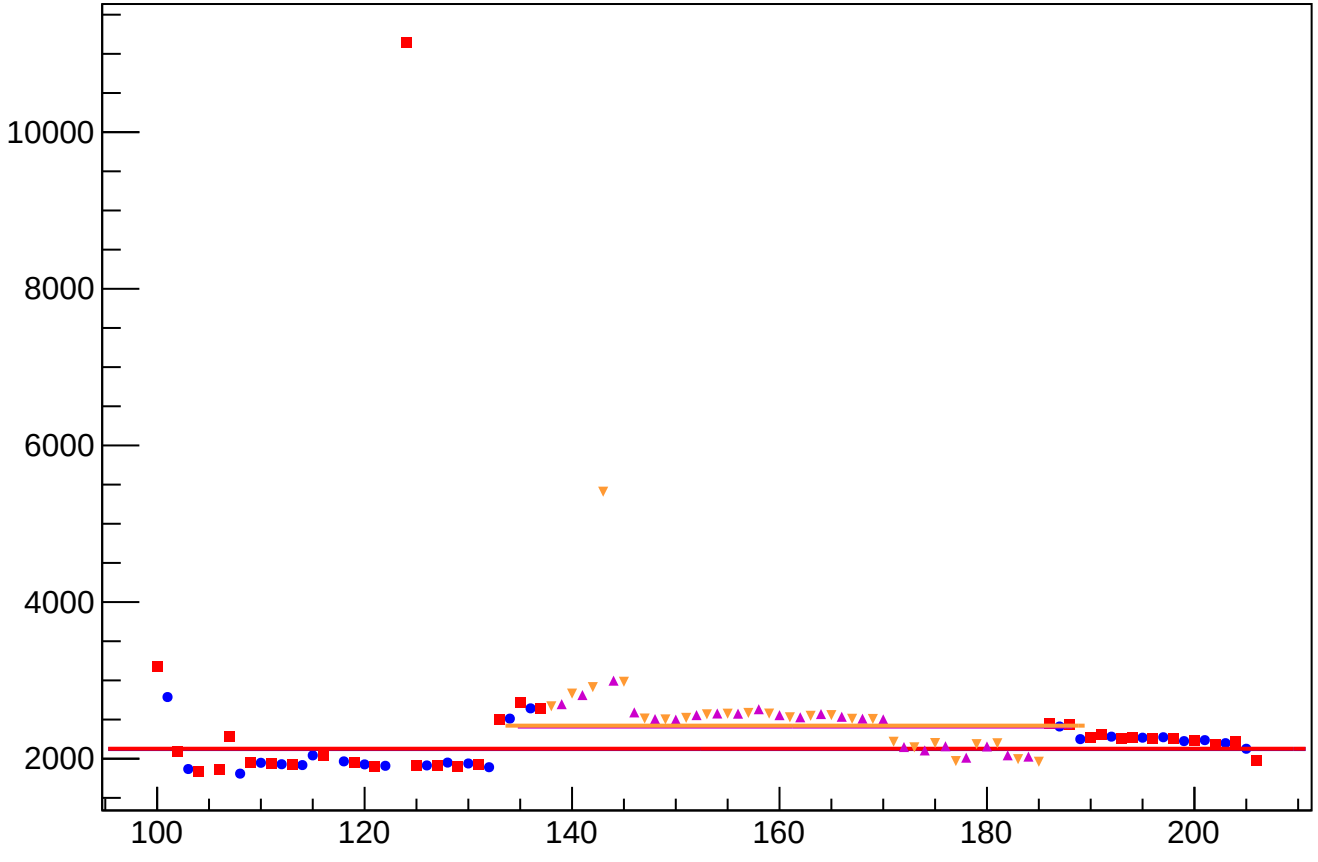
Left In: -2716.163+/-566.202 χ^2/NDF:14.3/22

+ sign 1348.635+/-398.271 χ^2/NDF: 60.6/49

All: -701.794+/-277.675 χ^2/NDF: 148.9/103

- sign -2641.230+/-387.341 χ^2/NDF: 36.7/53

eigen_cor_asym_atl2_rms vs Slug



Right In: 2123.349+/-0.403 χ^2/NDF: 332891.0/24

Left Out: 2422.152+/-0.394 χ^2/NDF:952857.9/24

Right Out: 2127.383+/-0.376 χ^2/NDF: 525859.2/30

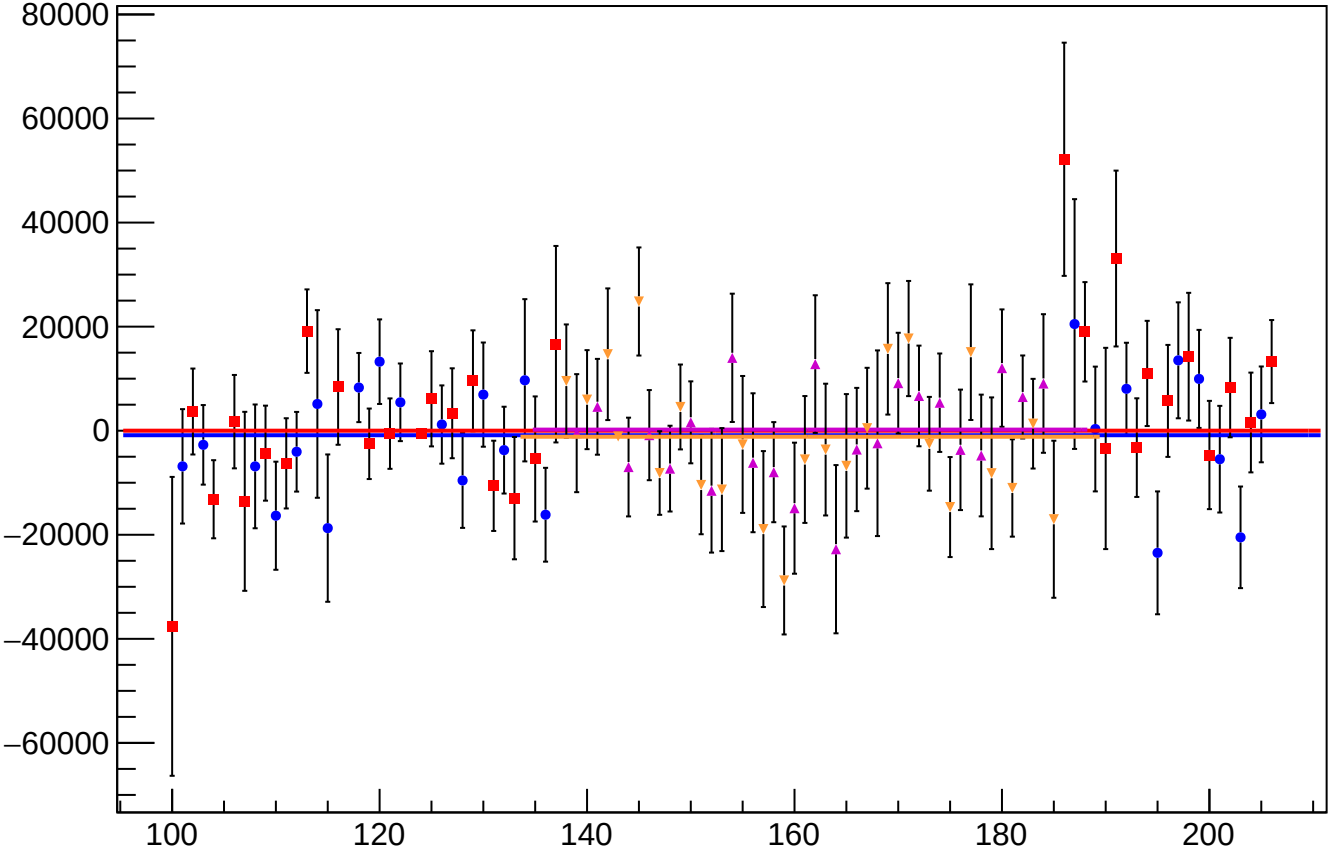
Left In: 2409.820+/-0.400 χ^2/NDF:428364.2/22

+ sign 2275.943+/-0.282 χ^2/NDF: 1567058.8/49

All: 2267.525+/-0.196 χ^2/NDF: 2787774.1/10

- sign 2259.563+/-0.274 χ^2/NDF: 1218976.8/53

asym_atl2_eigen_cor_correction_mean vs Slug



Right In: -868.776+/-1914.698 χ^2/NDF: 28.3/24

Left Out: -1157.974+/-757.732 χ^2/NDF:31.9/24

Right Out: 4.374+/-745.827 χ^2/NDF: 38.4/30

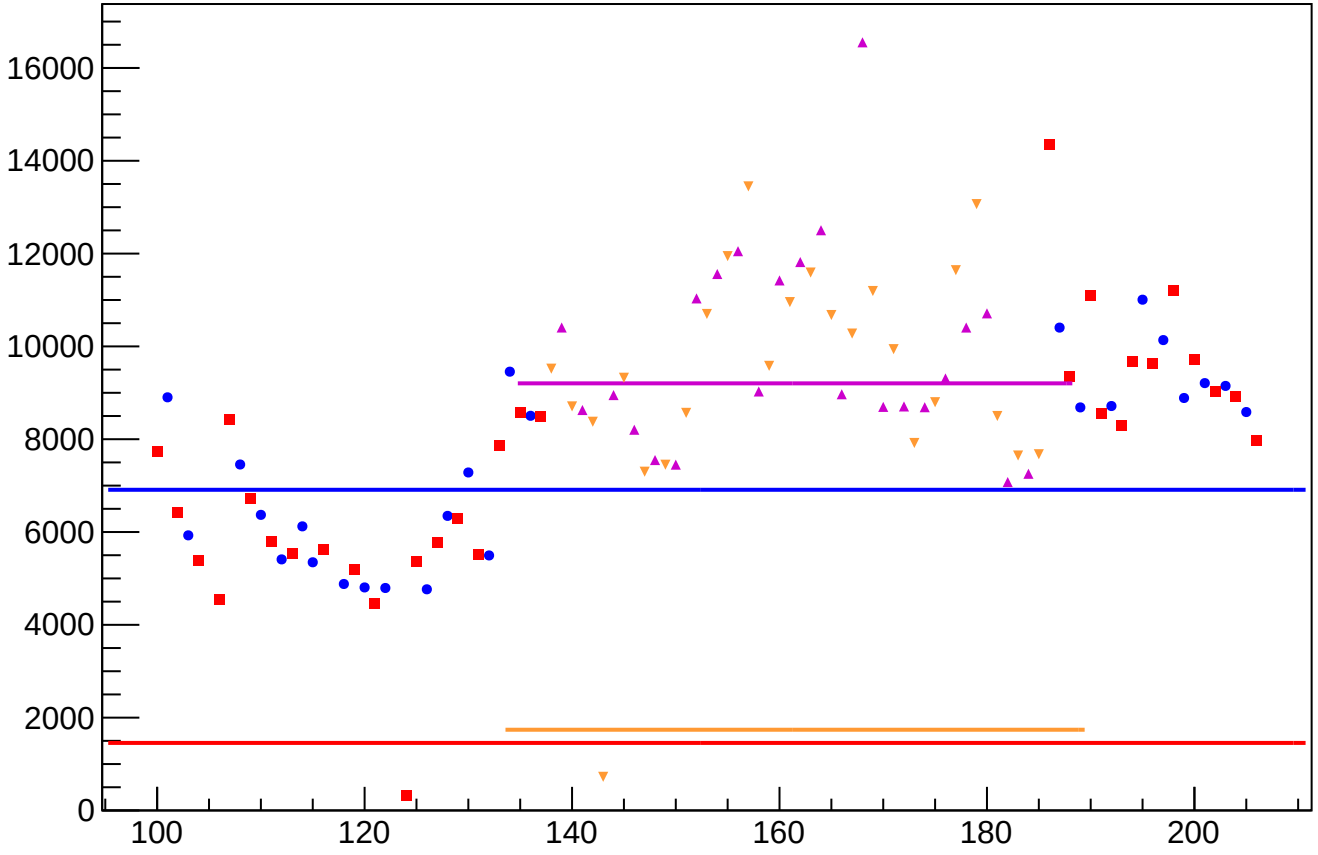
Left In: 209.500+/-2195.055 χ^2/NDF:13.4/22

+ sign -1118.815+/-704.566 χ^2/NDF: 60.2/49

All: -547.912+/-498.772 χ^2/NDF: 113.4/103

- sign 25.604+/-706.177 χ^2/NDF: 51.8/53

asym_atl2_eigen_cor_correction_rms vs Slug



Right In: 6910.211+/-1.354 χ^2/NDF: 1978866.4/24

Left Out: 1739.457+/-0.536 χ^2/NDF:27735092.1/24

Right Out: 1455.386+/-0.527 χ^2/NDF: 24886264.5/30

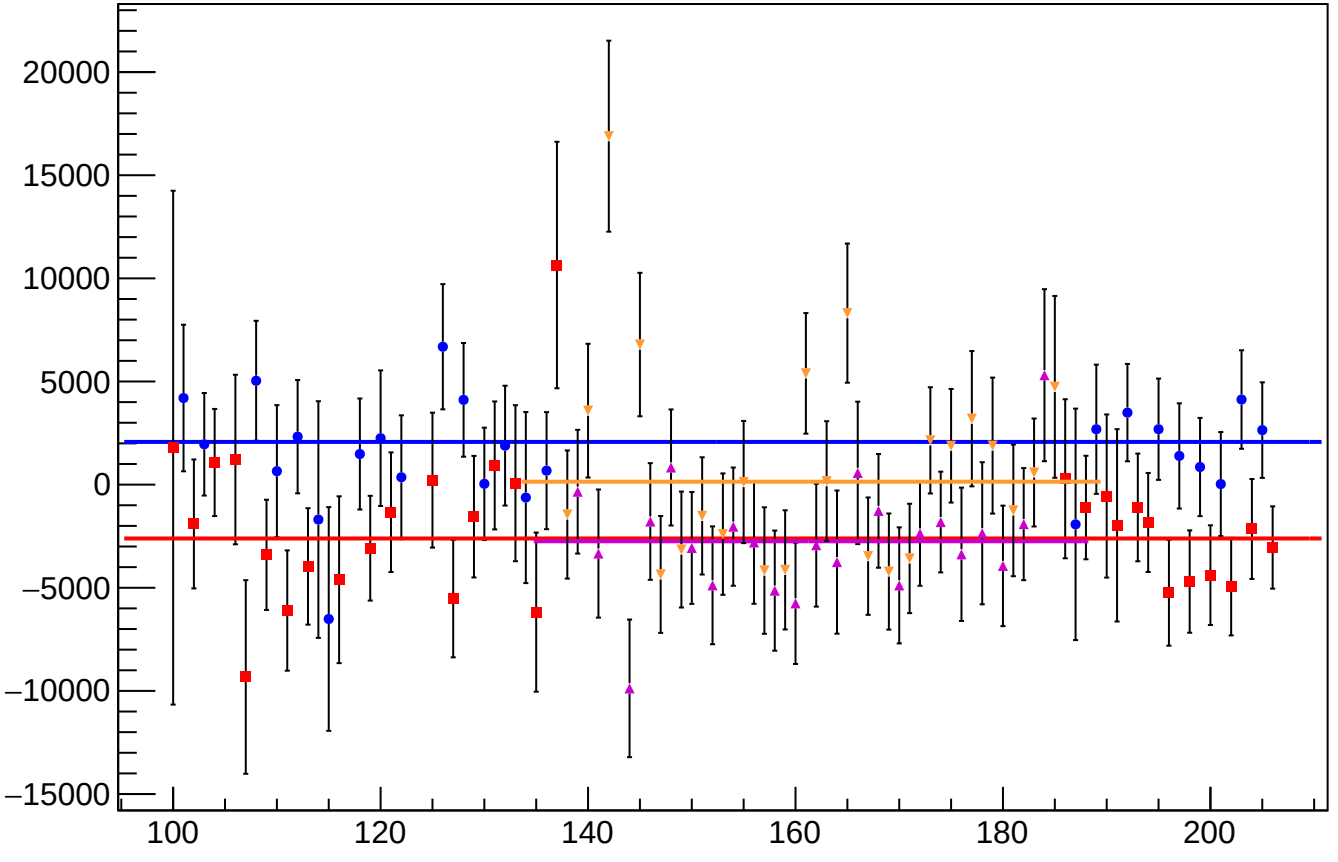
Left In: 9203.744+/-1.552 χ^2/NDF:1272079.0/22

+ sign 2439.616+/-0.498 χ^2/NDF: 42324929.2/49

All: 2348.683+/-0.353 χ^2/NDF: 90891394.6/1

- sign 2257.333+/-0.499 χ^2/NDF: 48499684.0/53

dit_asym_atl2_mean vs Slug



Right In: 2070.948+/-577.402 χ^2/NDF: 11.8/24

Left Out: 142.497+/-615.731 χ^2/NDF:45.8/23

Right Out: -2610.162+/-540.450 χ^2/NDF: 21.8/29

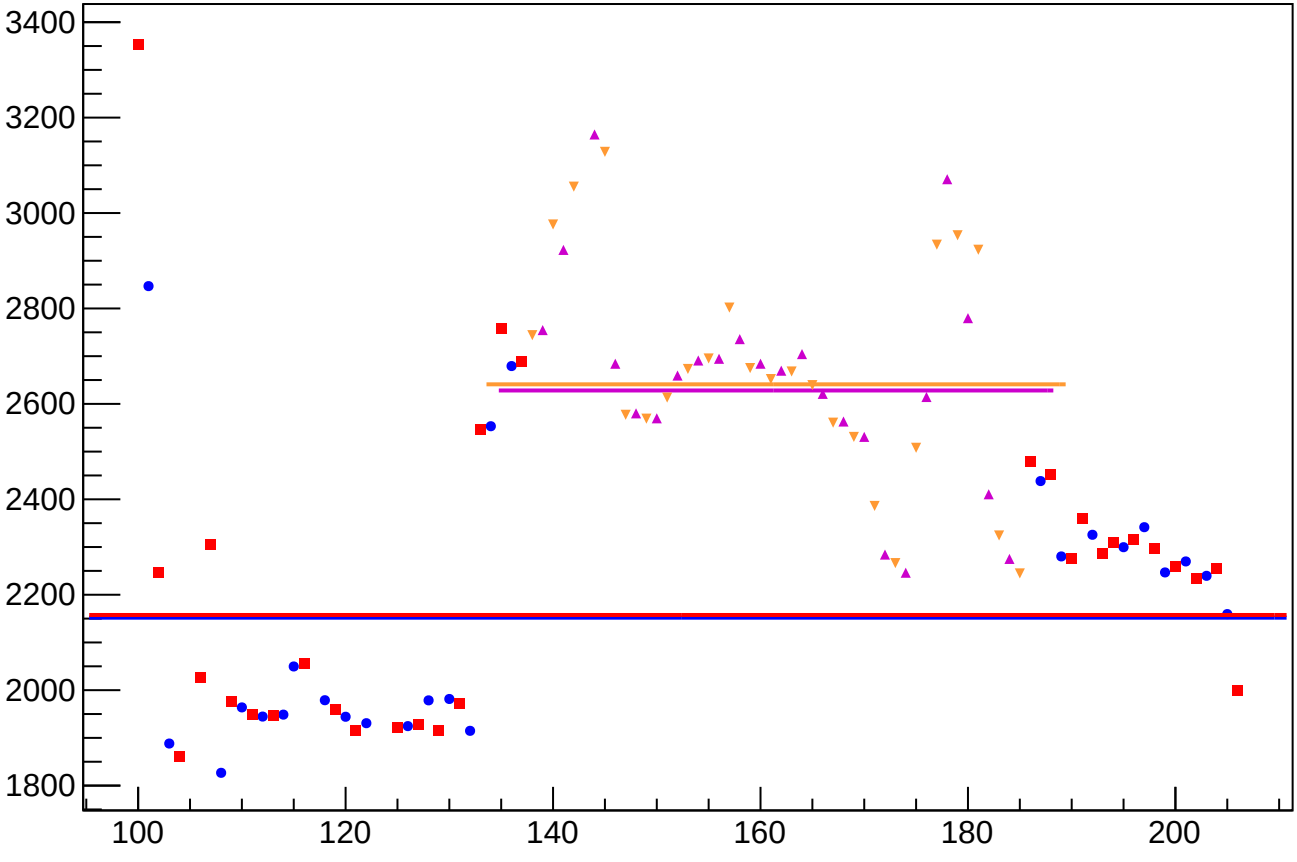
Left In: -2745.982+/-616.123 χ^2/NDF:15.4/22

+ sign 1168.610+/-421.183 χ^2/NDF: 62.8/48

All: -819.356+/-292.414 χ^2/NDF: 143.1/101

- sign -2669.224+/-406.291 χ^2/NDF: 37.3/52

dit_asym_atl2_rms vs Slug



Right In: 2151.962+/-0.408 χ^2/NDF: 348673.9/24

Left Out: 2640.990+/-0.435 χ^2/NDF:253402.6/23

Right Out: 2157.585+/-0.382 χ^2/NDF: 333058.8/29

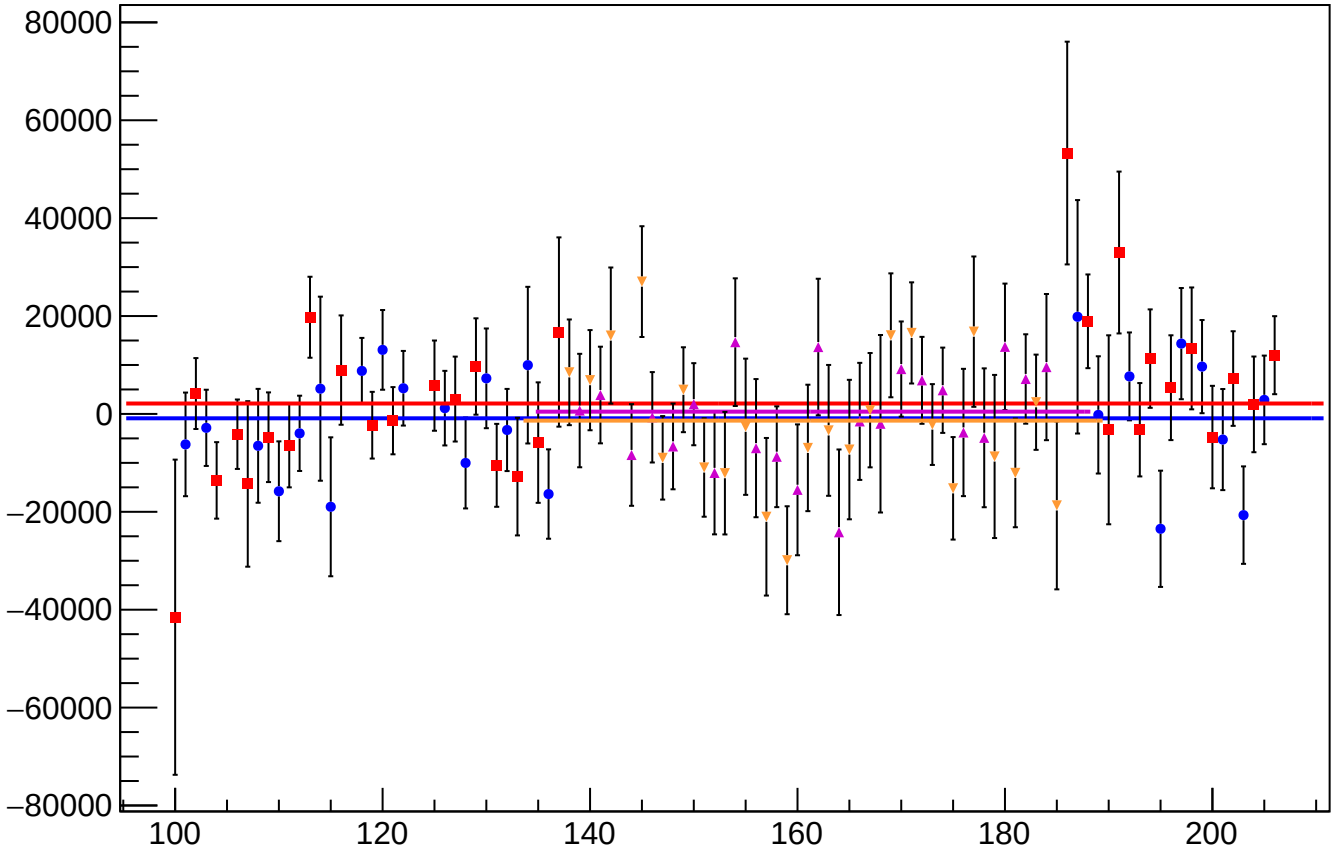
Left In: 2628.113+/-0.436 χ^2/NDF:237507.6/22

+ sign 2380.782+/-0.298 χ^2/NDF: 1273355.1/48

All: 2371.061+/-0.207 χ^2/NDF: 2505622.7/10

- sign 2362.023+/-0.287 χ^2/NDF: 1230211.6/52

asym_atl2_dit_correction_mean vs Slug



Right In: -895.290+/-1929.486 χ^2/NDF: 27.9/24

Left Out: -1366.840+/-2326.289 χ^2/NDF:31.3/23

Right Out: 2127.965+/-1774.940 χ^2/NDF: 36.4/29

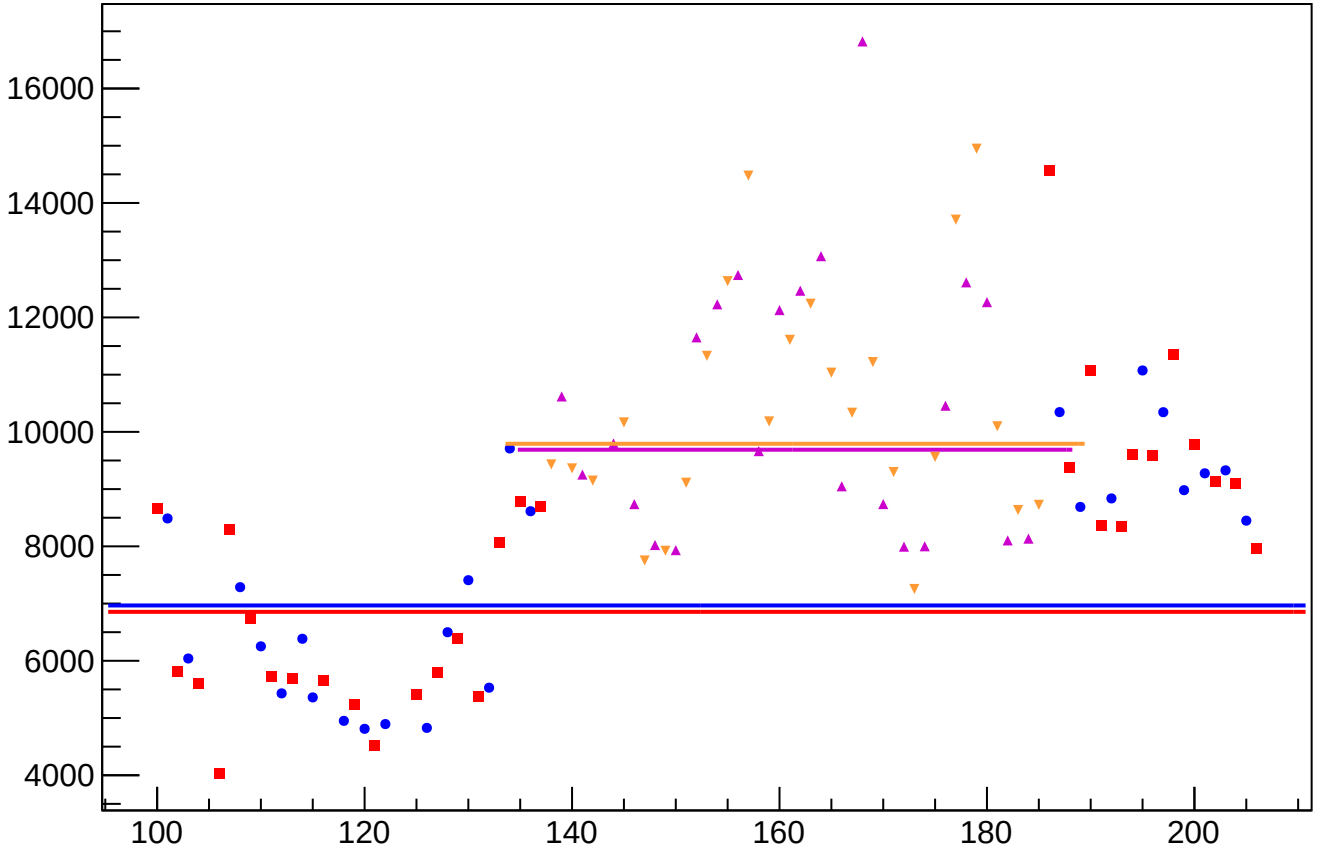
Left In: 463.775+/-2314.478 χ^2/NDF:13.1/22

+ sign -1087.477+/-1485.122 χ^2/NDF: 59.2/48

All: 280.919+/-1021.957 χ^2/NDF: 110.6/101

- sign 1511.679+/-1408.455 χ^2/NDF: 49.8/52

asym_atl2_dit_correction_rms vs Slug



Right In: 6966.893+/-1.364 χ^2/NDF: 1943536.6/24

Left Out: 9792.234+/-1.645 χ^2/NDF:1219062.5/23

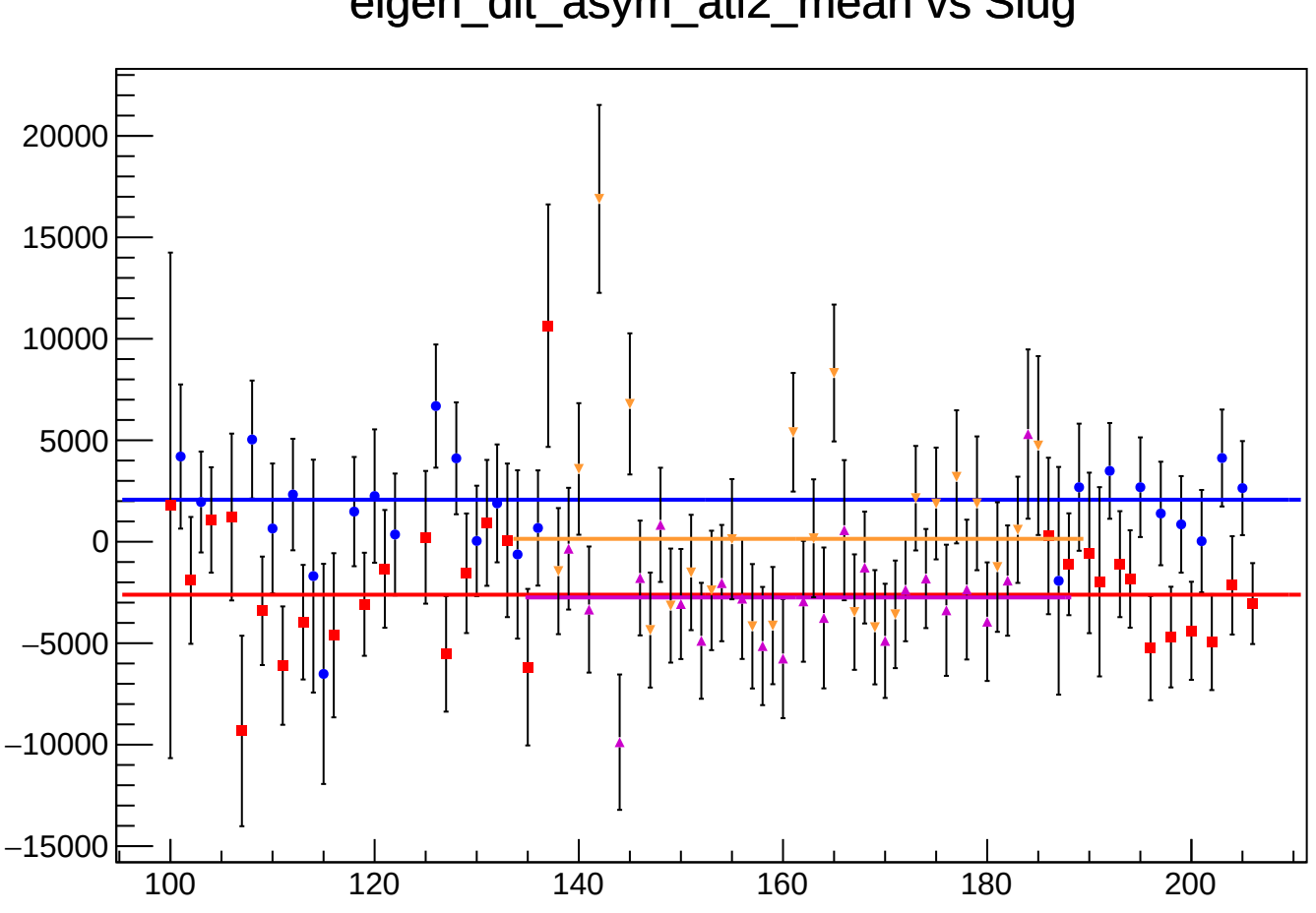
Right Out: 6855.438+/-1.255 χ^2/NDF: 2583801.4/29

Left In: 9688.179+/-1.637 χ^2/NDF:1378173.6/22

+ sign 8118.403+/-1.050 χ^2/NDF: 4910371.8/48

All: 8005.769+/-0.723 χ^2/NDF: 10780694.4/1

- sign 7904.464+/-0.996 χ^2/NDF: 5848472.0/52



Right In: 2070.945+/-577.402 χ^2/NDF: 11.8/24

Left Out: 142.487+/-615.732 χ^2/NDF:45.8/23

Right Out: -2610.160+/-540.450 χ^2/NDF: 21.8/29

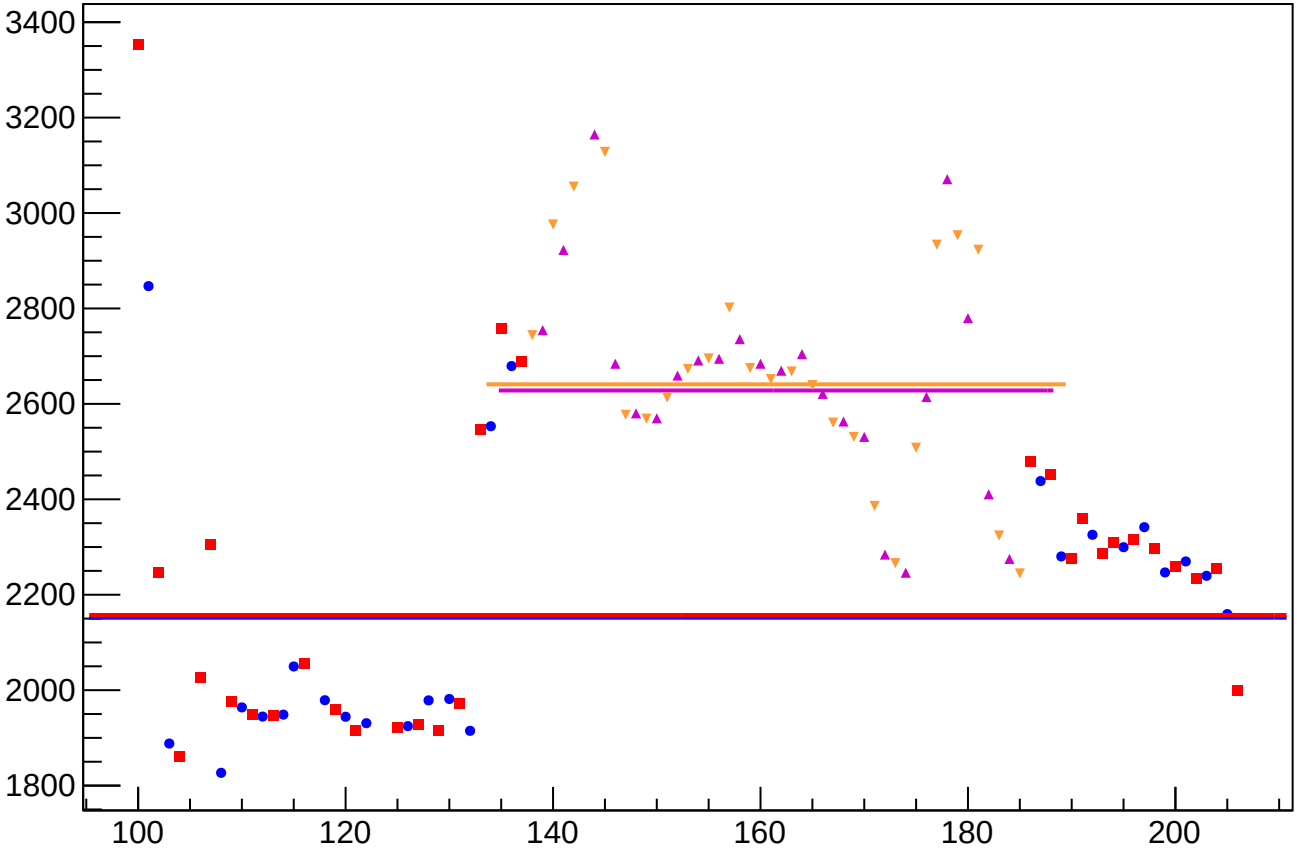
Left In: -2745.980+/-616.124 χ^2/NDF:15.4/22

+ sign 1168.604+/-421.184 χ^2/NDF: 62.8/48

All: -819.358+/-292.414 χ^2/NDF: 143.1/101

- sign -2669.221+/-406.291 χ^2/NDF: 37.3/52

eigen_dit_asym_atl2_rms vs Slug



Right In: 2151.962+/-0.408 χ^2/NDF: 348674.1/24

Left Out: 2640.993+/-0.435 χ^2/NDF:253411.8/23

Right Out: 2157.585+/-0.382 χ^2/NDF: 333059.6/29

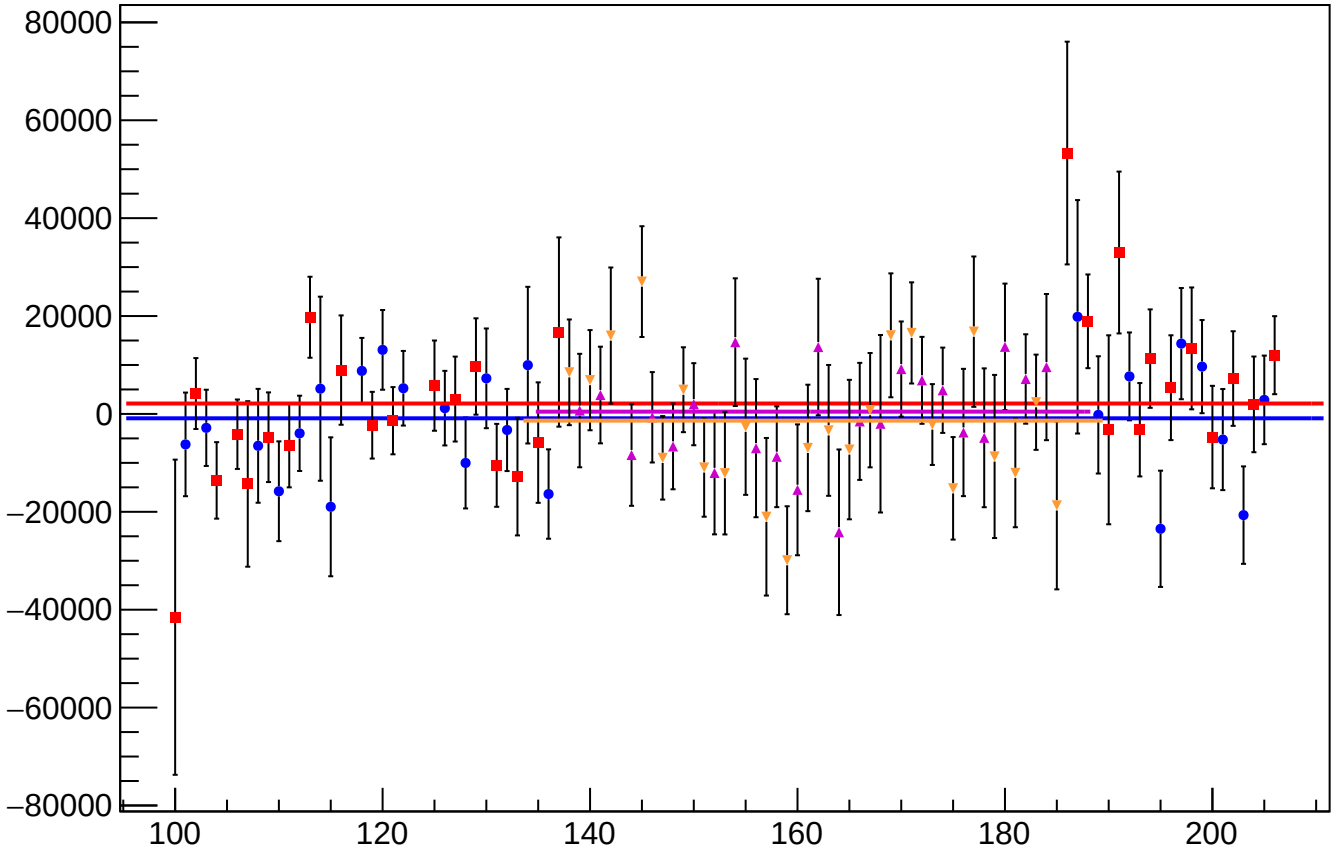
Left In: 2628.116+/-0.436 χ^2/NDF:237516.8/22

+ sign 2380.783+/-0.298 χ^2/NDF: 1273370.0/48

All: 2371.062+/-0.207 χ^2/NDF: 2505653.0/10

- sign 2362.023+/-0.287 χ^2/NDF: 1230226.9/52

asym_atl2_eigen_dit_correction_mean vs Slug



Right In: -895.279+/-1929.483 χ^2/NDF: 27.9/24

Left Out: -1366.849+/-2326.293 χ^2/NDF:31.3/23

Right Out: 2127.950+/-1774.937 χ^2/NDF: 36.4/29

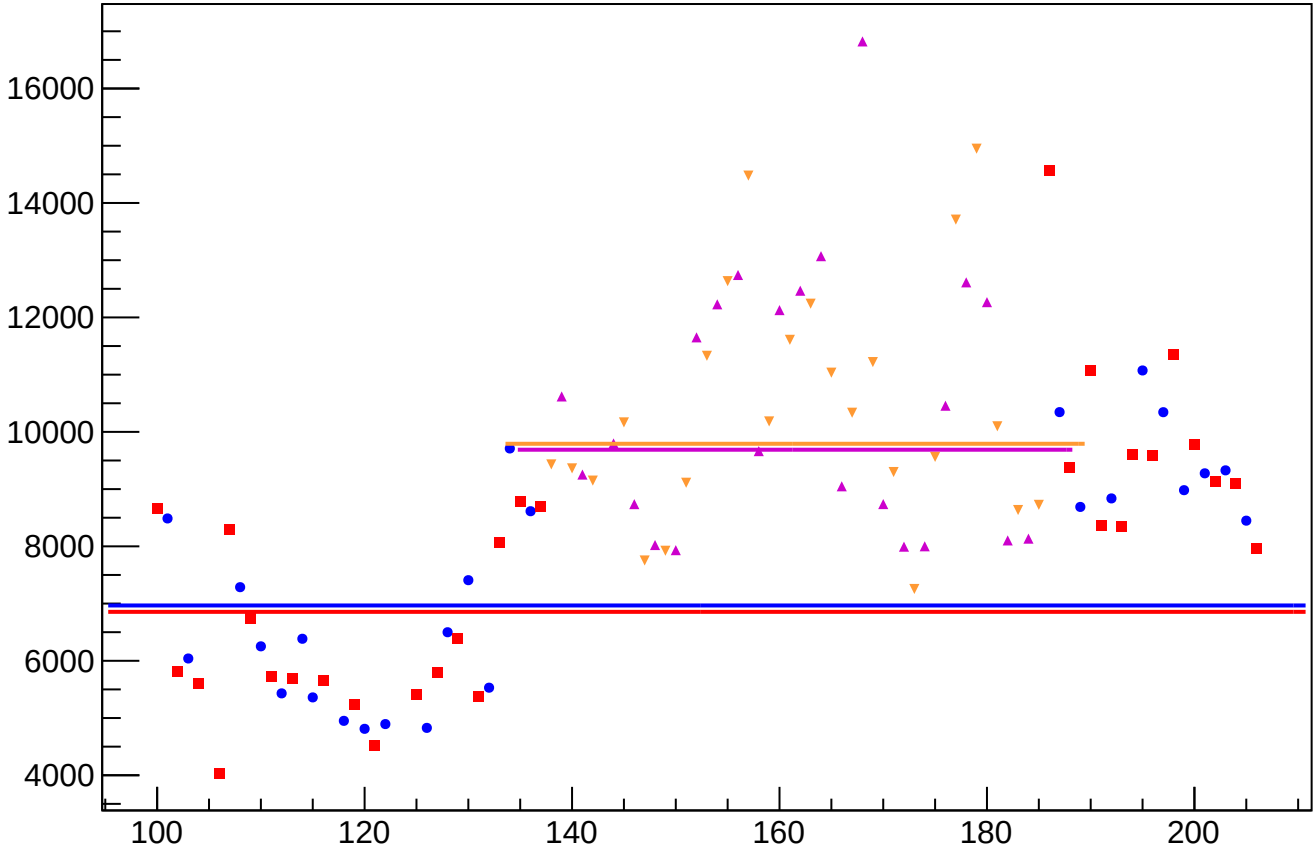
Left In: 463.777+/-2314.482 χ^2/NDF:13.1/22

+ sign -1087.474+/-1485.122 χ^2/NDF: 59.2/48

All: 280.917+/-1021.957 χ^2/NDF: 110.6/101

- sign 1511.673+/-1408.454 χ^2/NDF: 49.8/52

asym_atl2_eigen_dit_correction_rms vs Slug



Right In: 6966.878+/-1.364 χ^2/NDF: 1943571.0/24

Left Out: 9792.251+/-1.645 χ^2/NDF:1219062.8/23

Right Out: 6855.425+/-1.255 χ^2/NDF: 2583834.3/29

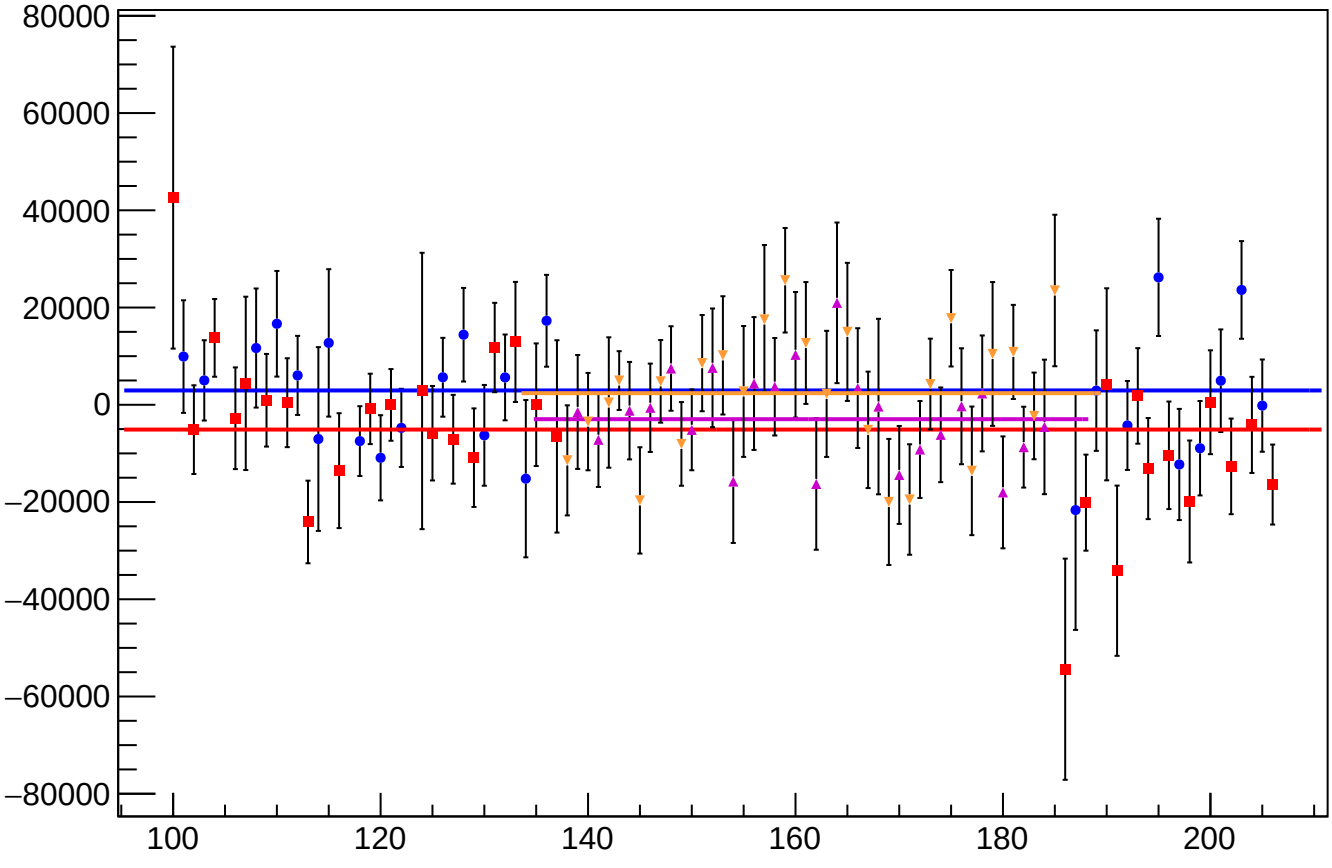
Left In: 9688.194+/-1.637 χ^2/NDF:1378175.1/22

+ sign 8118.396+/-1.050 χ^2/NDF: 4910445.2/48

All: 8005.763+/-0.723 χ^2/NDF: 10780838.0/1

- sign 7904.458+/-0.996 χ^2/NDF: 5848542.2/52

asym_atl2_mean vs Slug



Right In: 2947.502+/-2016.672 χ^2/NDF: 27.8/24

Left Out: 2387.857+/-2136.530 χ^2/NDF:29.7/24

Right Out: -5095.723+/-1891.326 χ^2/NDF: 37.0/30

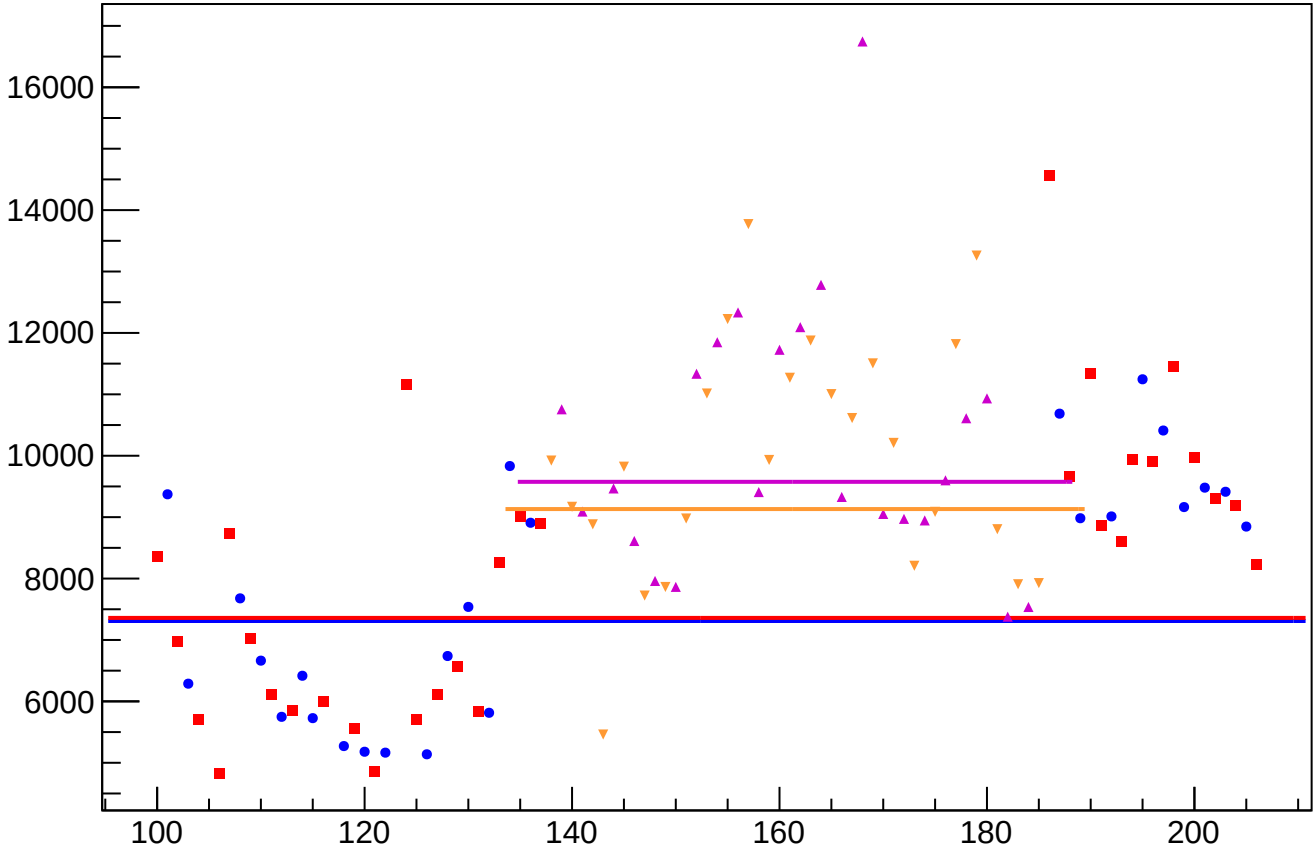
Left In: -2963.537+/-2278.927 χ^2/NDF:13.0/22

+ sign 2683.817+/-1466.545 χ^2/NDF: 57.6/49

All: -797.506+/-1033.040 χ^2/NDF: 119.3/103

- sign -4226.107+/-1455.398 χ^2/NDF: 50.5/53

asym_atl2_rms vs Slug



Right In: 7308.926+/-1.426 χ^2/NDF: 1740720.3/24

Left Out: 9131.714+/-1.511 χ^2/NDF:1811661.2/24

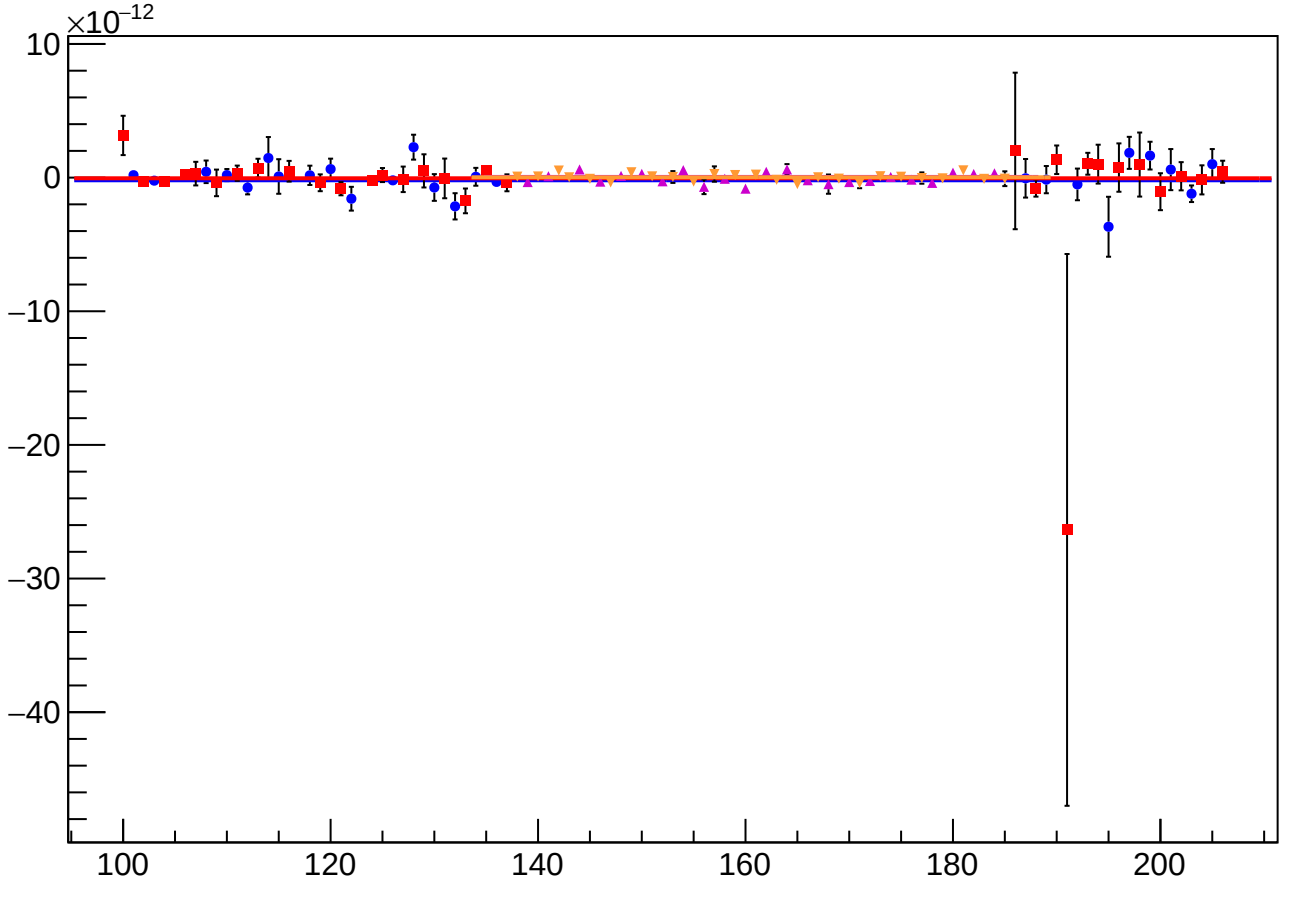
Right Out: 7359.320+/-1.337 χ^2/NDF: 2127962.8/30

Left In: 9575.233+/-1.611 χ^2/NDF:1153802.3/22

+ sign 8167.758+/-1.037 χ^2/NDF: 4322230.1/49

All: 8215.784+/-0.730 χ^2/NDF: 8727962.1/10

- sign 8263.083+/-1.029 χ^2/NDF: 4401474.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 33.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:17.9/24

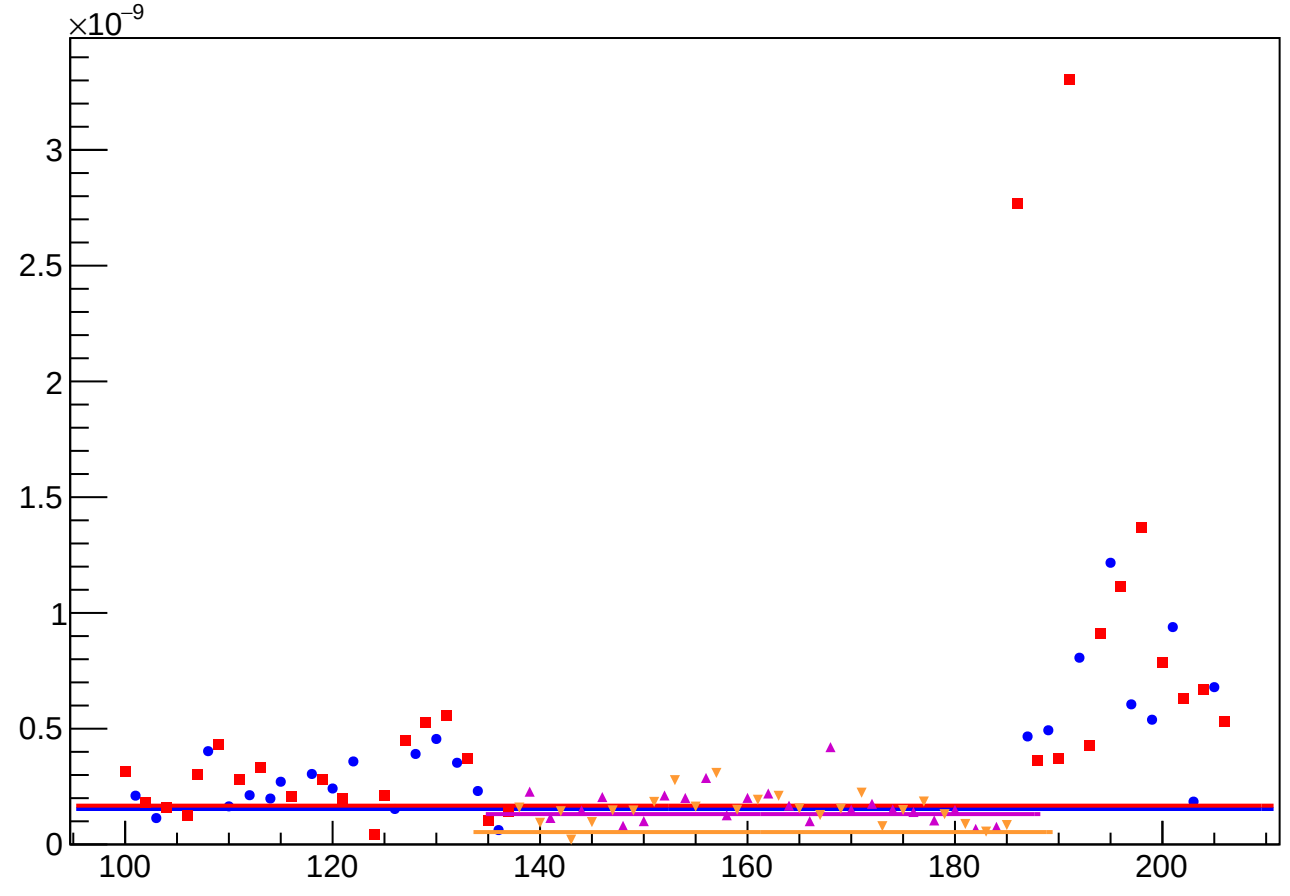
Right Out: -0.000+/-0.000 χ^2/NDF: 29.3/30

Left In: 0.000+/-0.000 χ^2/NDF:36.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 56.8/49

All: 0.000+/-0.000 χ^2/NDF: 123.8/103

- sign 0.000+/-0.000 χ^2/NDF: 66.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 4744800.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:7244510.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6626185.3/30

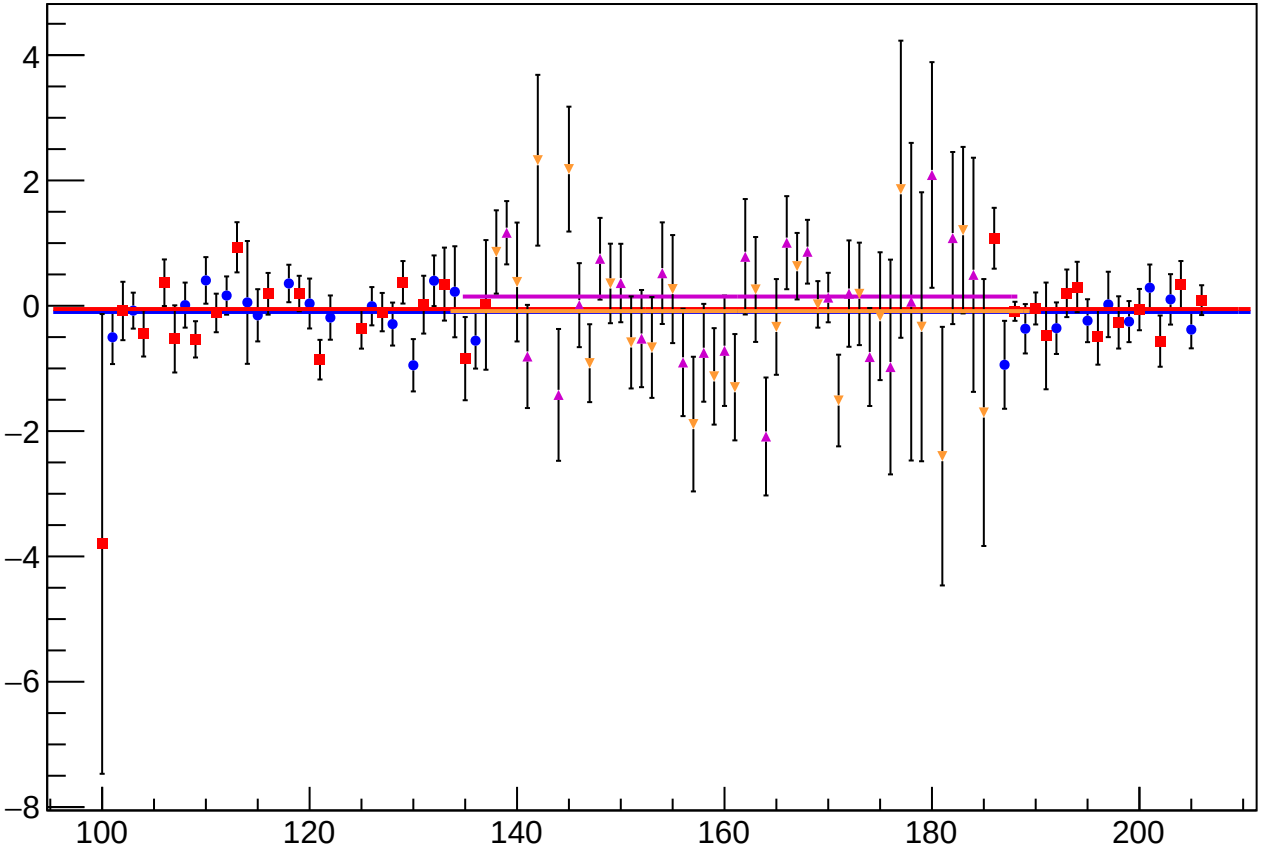
Left In: 0.000+/-0.000 χ^2/NDF:1904207.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14112664.3/49

All: 0.000+/-0.000 χ^2/NDF: 26911158.6/103

- sign 0.000+/-0.000 χ^2/NDF: 8763902.6/53

asym_atl2_dit_vs_cor_diff_mean vs Slug



Right In: -0.099+/-0.076 χ^2/NDF: 18.4/24

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.052+/-0.063 χ^2/NDF: 36.6/29

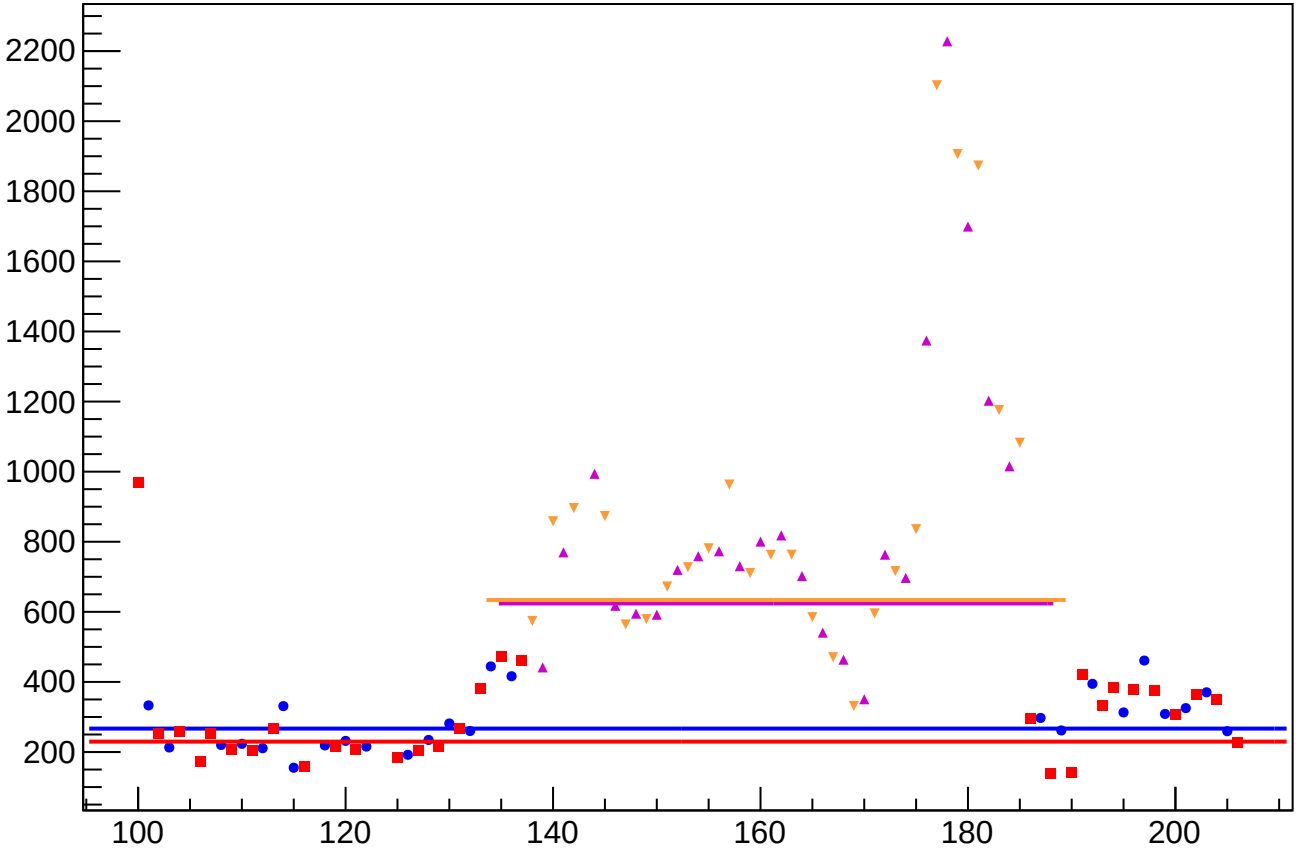
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.096+/-0.069 χ^2/NDF: 48.7/48

All: -0.055+/-0.045 χ^2/NDF: 113.7/101

- sign -0.025+/-0.059 χ^2/NDF: 64.4/52

asym_atl2_dit_vs_cor_diff_rms vs Slug



Right In: 266.841+/-0.054 χ^2/NDF: 1719880.9/24

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 229.645+/-0.045 χ^2/NDF: 3409348.7/29

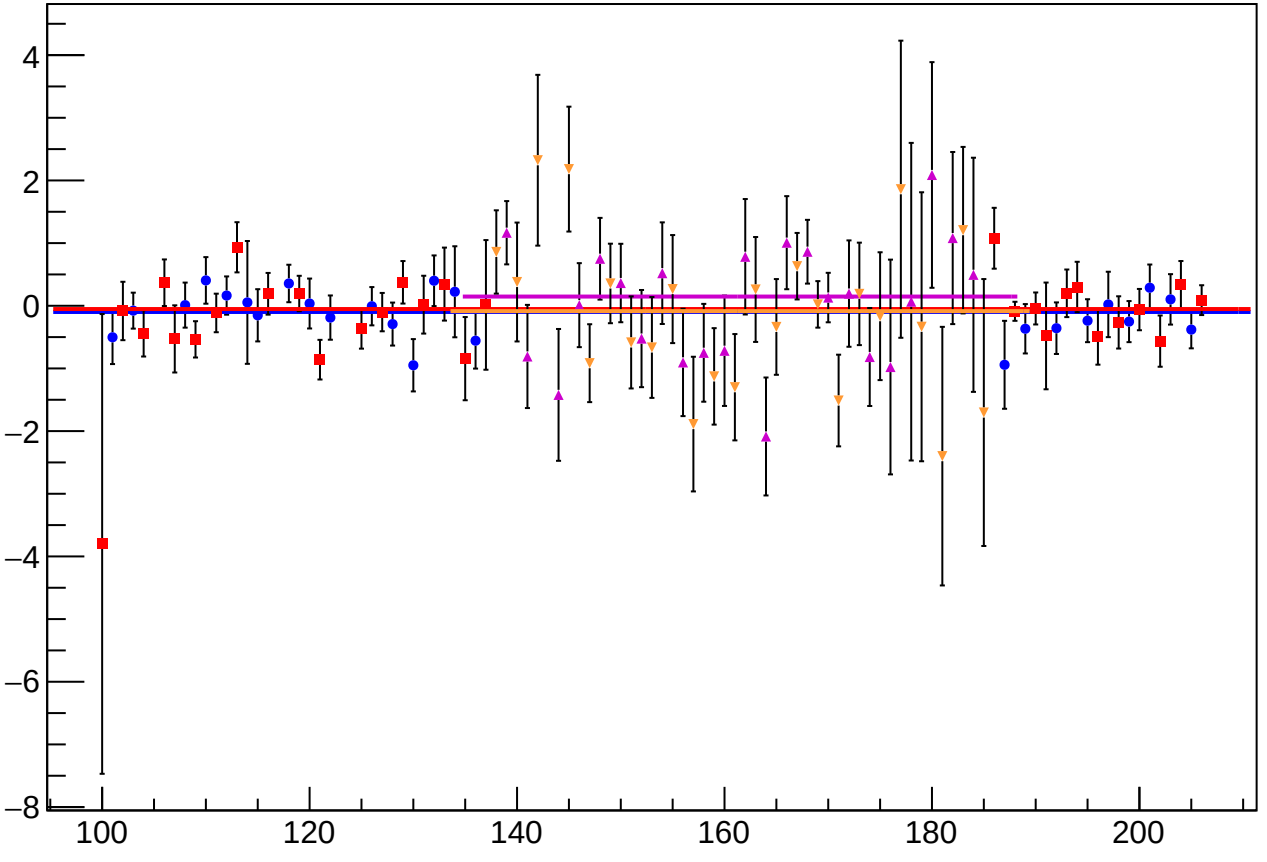
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 333.061+/-0.048 χ^2/NDF: 15177097.8/48

All: 304.535+/-0.032 χ^2/NDF: 34443419.9/10

- sign 283.719+/-0.041 χ^2/NDF: 18667928.6/52

asym_atl2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.099+/-0.076 χ^2/NDF: 18.4/24

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.052+/-0.063 χ^2/NDF: 36.6/29

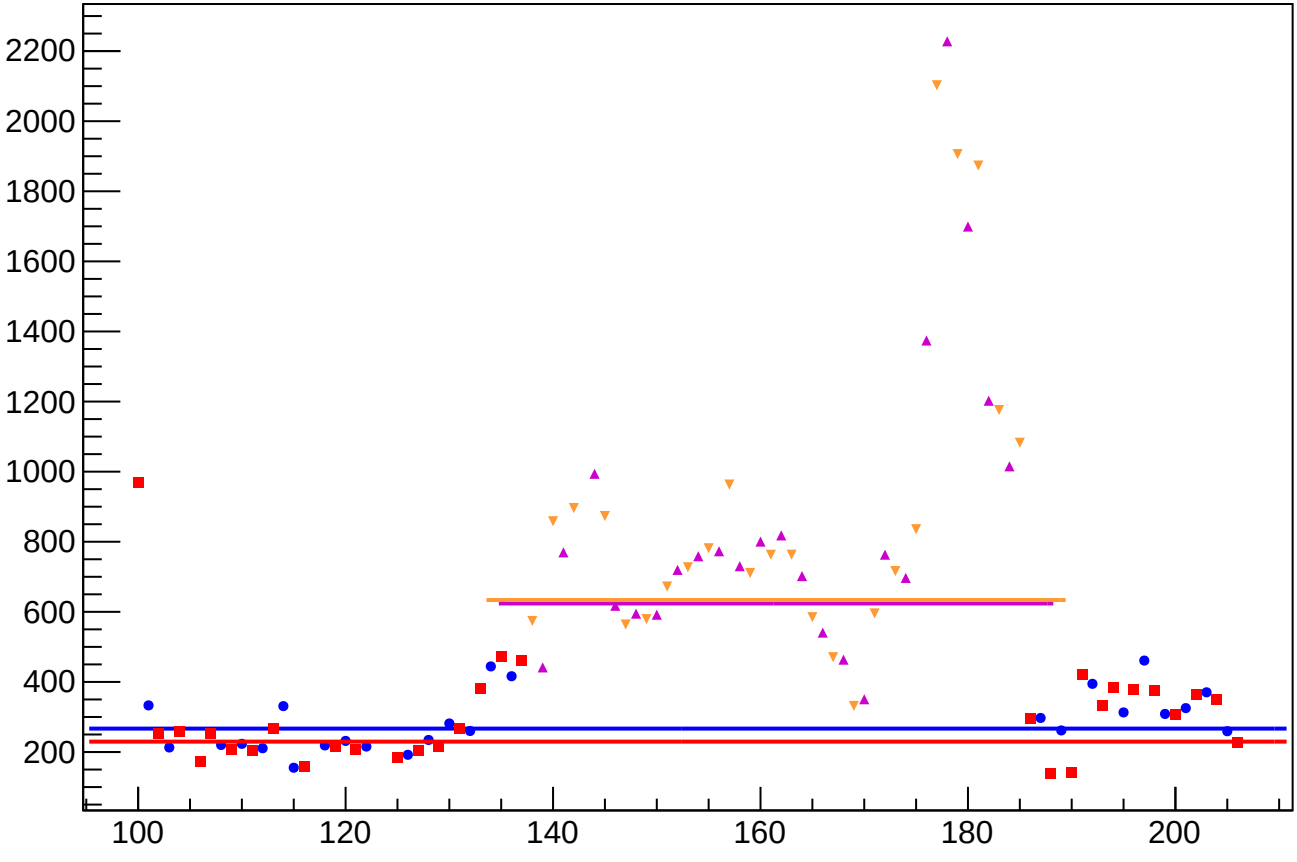
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.096+/-0.069 χ^2/NDF: 48.7/48

All: -0.055+/-0.045 χ^2/NDF: 113.7/101

- sign -0.025+/-0.059 χ^2/NDF: 64.4/52

asym_atl2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 266.841+/-0.054 χ^2/NDF: 1719880.9/24

Left Out: 633.674+/-0.114 χ^2/NDF:4994105.8/23

Right Out: 229.645+/-0.045 χ^2/NDF: 3409348.7/29

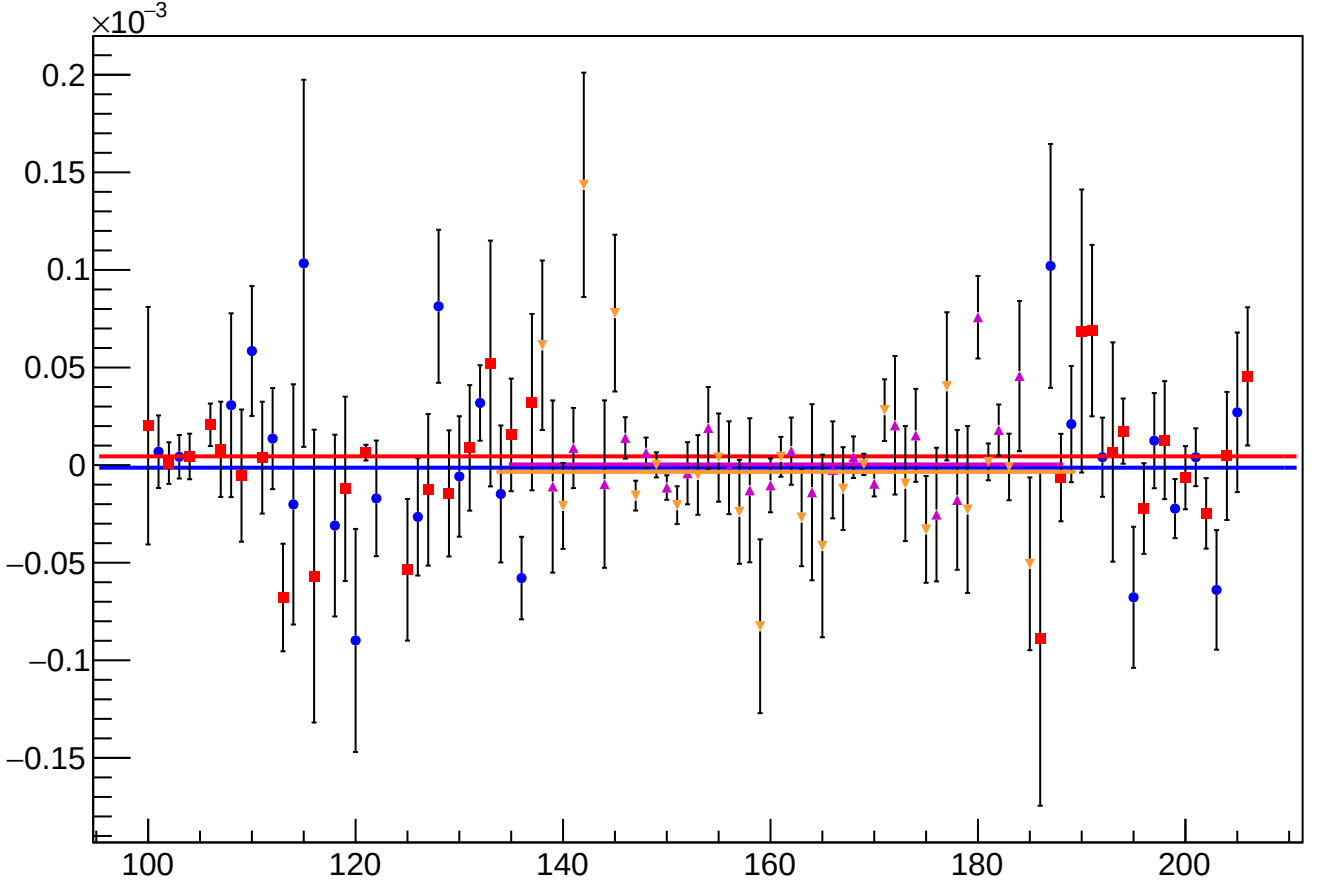
Left In: 623.916+/-0.112 χ^2/NDF:4541431.8/22

+ sign 333.061+/-0.048 χ^2/NDF: 15177097.8/48

All: 304.535+/-0.032 χ^2/NDF: 34443419.9/10

- sign 283.719+/-0.041 χ^2/NDF: 18667928.6/52

asym_atl2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 38.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 25.4/29

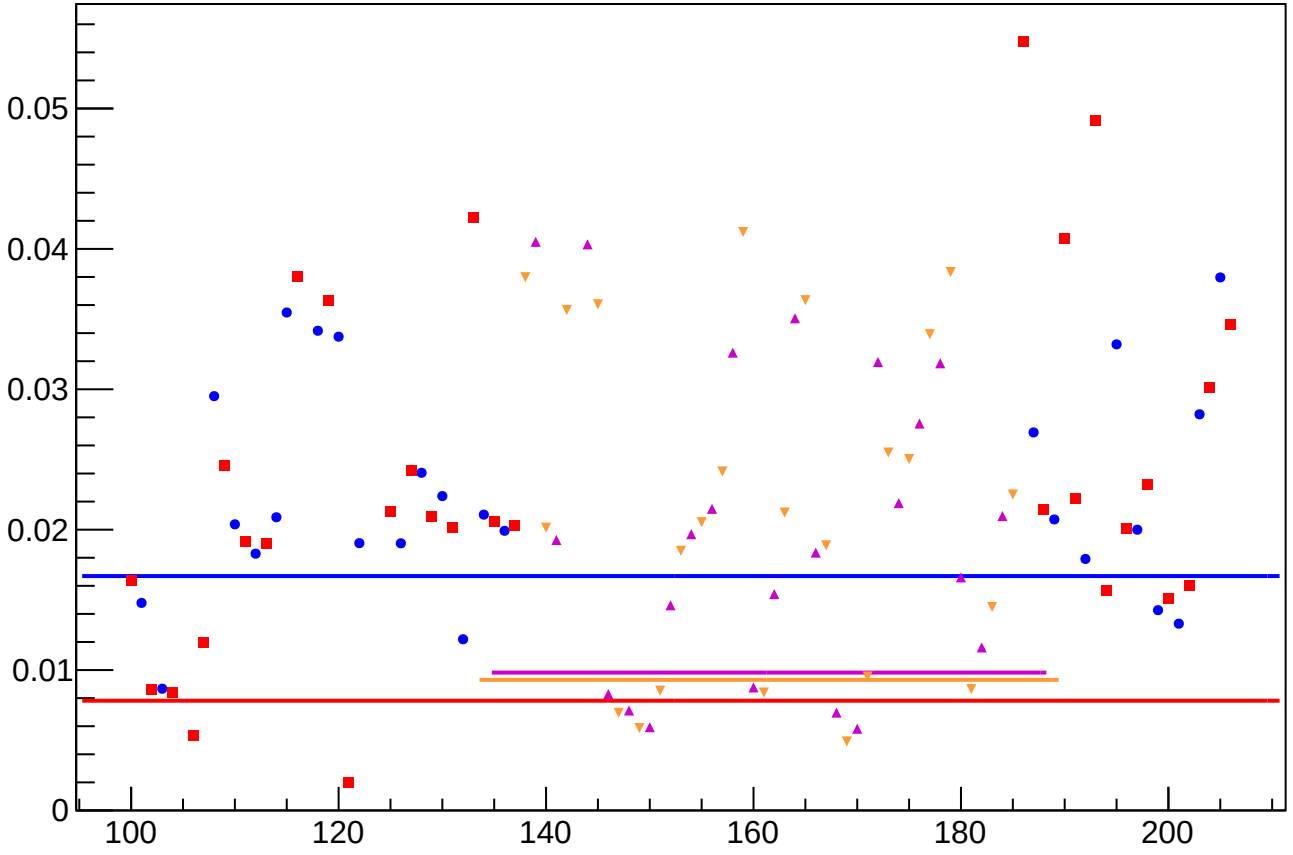
Left In: 0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.5/48

All: 0.000+/-0.000 χ^2/NDF: 129.6/101

- sign 0.000+/-0.000 χ^2/NDF: 54.3/52

asym_atl2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 3667613.4/24

Left Out: 0.009+/-0.000 χ^2/NDF:12224529.3/23

Right Out: 0.008+/-0.000 χ^2/NDF: 16427957.1/29

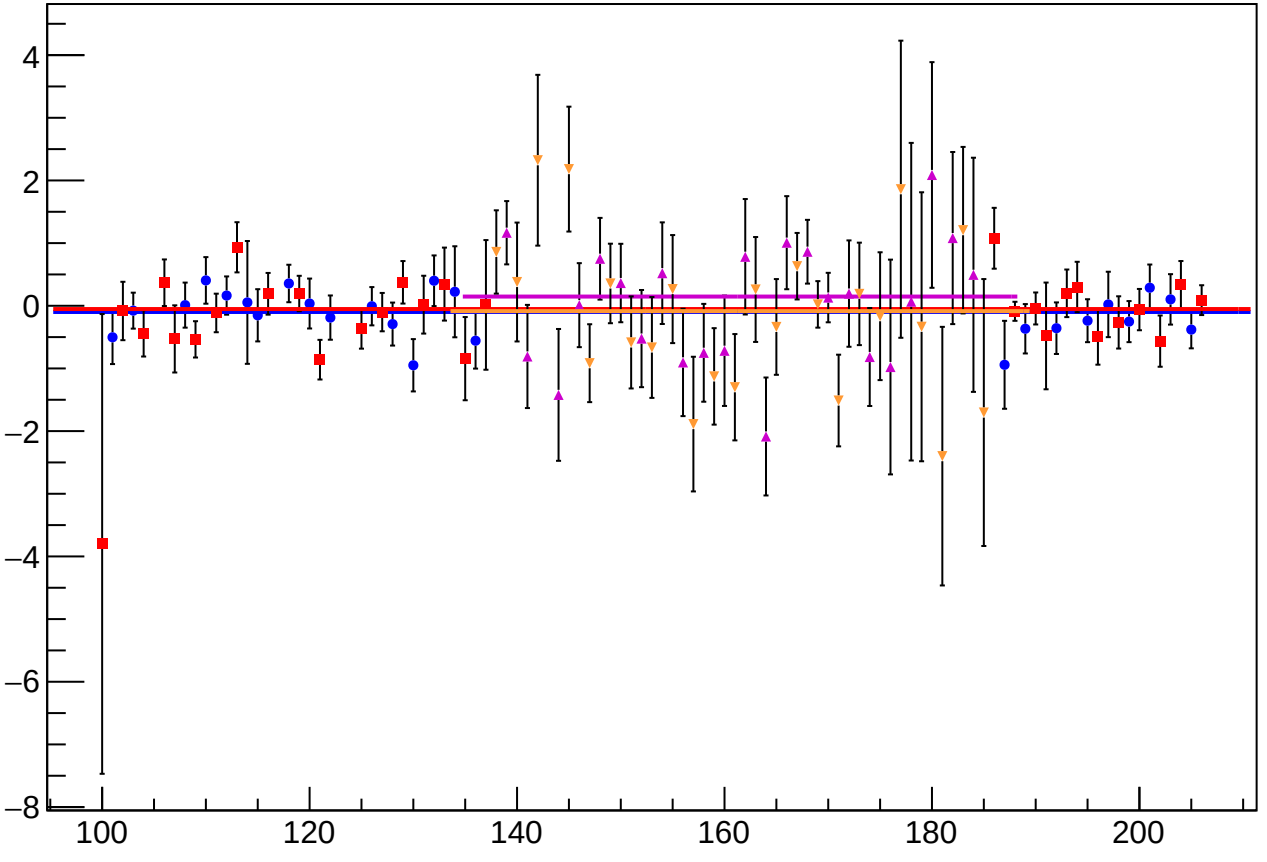
Left In: 0.010+/-0.000 χ^2/NDF:10307261.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 19337564.8/48

All: 0.010+/-0.000 χ^2/NDF: 47545127.2/101

- sign 0.009+/-0.000 χ^2/NDF: 27207298.5/52

asym_atl2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.099+/-0.076 χ^2/NDF: 18.4/24

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

Right Out: -0.052+/-0.063 χ^2/NDF: 36.6/29

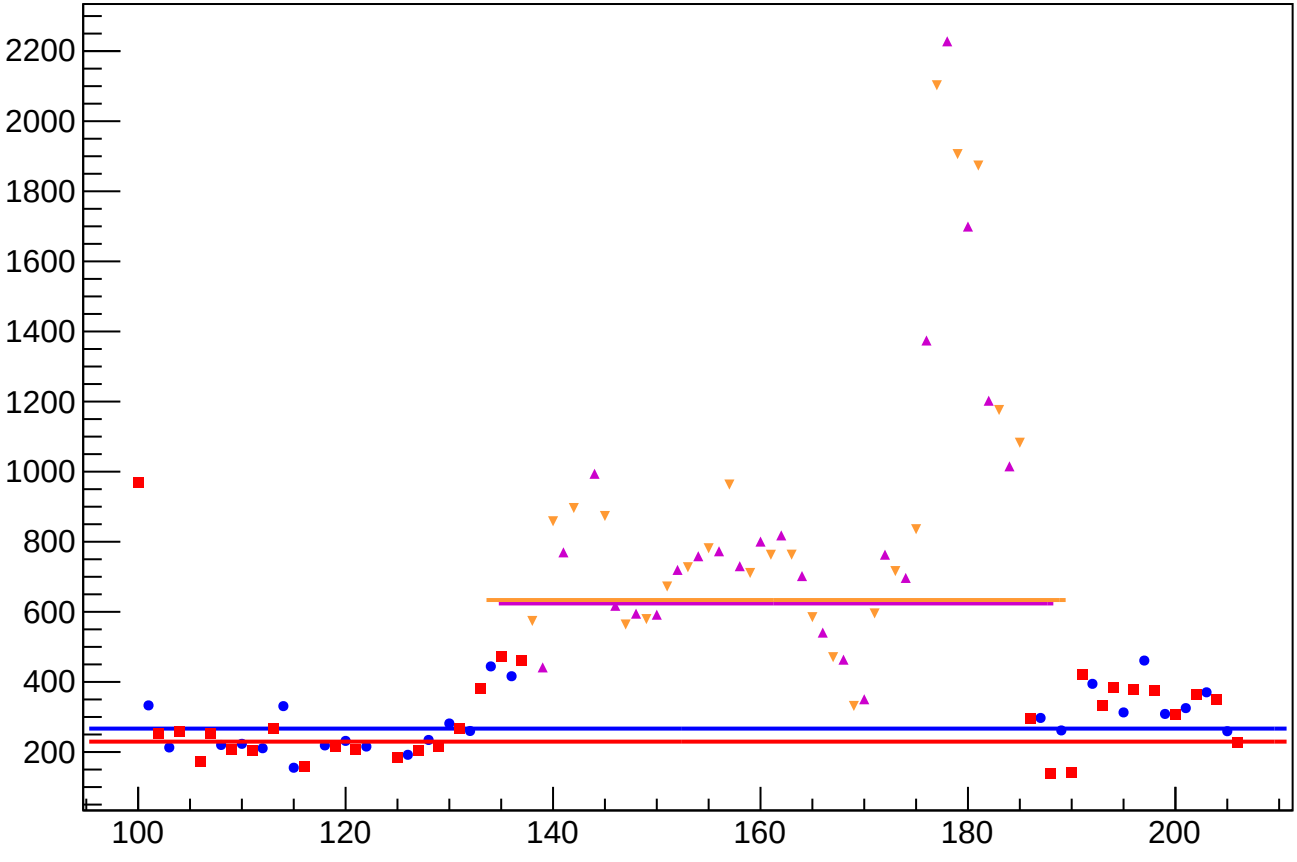
Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.096+/-0.069 χ^2/NDF: 48.7/48

All: -0.055+/-0.045 χ^2/NDF: 113.7/101

- sign -0.025+/-0.059 χ^2/NDF: 64.4/52

asym_atl2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 266.842+/-0.054 χ^2/NDF: 1719866.5/24

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

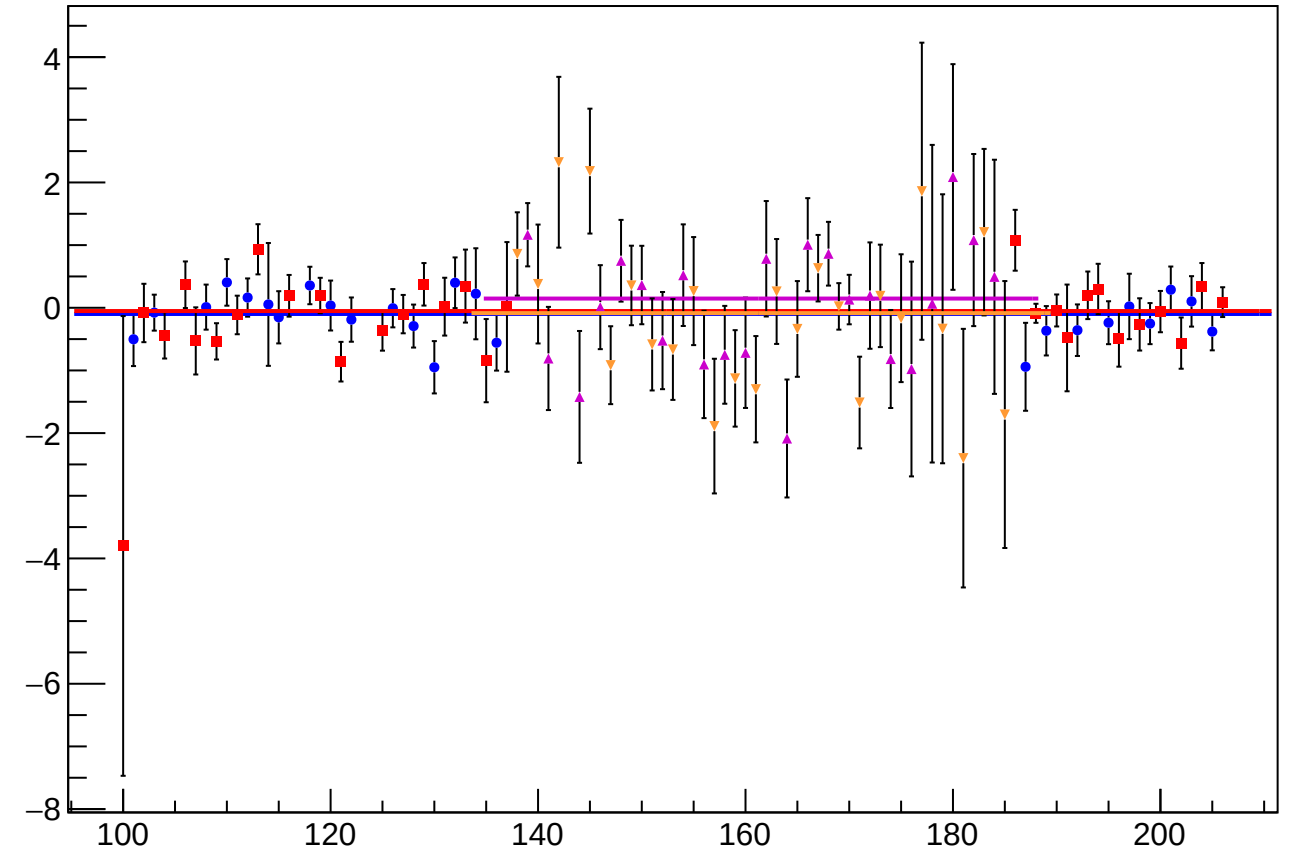
Right Out: 229.643+/-0.045 χ^2/NDF: 3409511.7/29

Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 333.061+/-0.048 χ^2/NDF: 15177187.8/48

All: 304.534+/-0.032 χ^2/NDF: 34443989.6/10

- sign 283.717+/-0.041 χ^2/NDF: 18668341.6/52



Right In: -0.099+/-0.076 χ^2/NDF: 18.4/24

Left Out: -0.085+/-0.161 χ^2/NDF:30.2/23

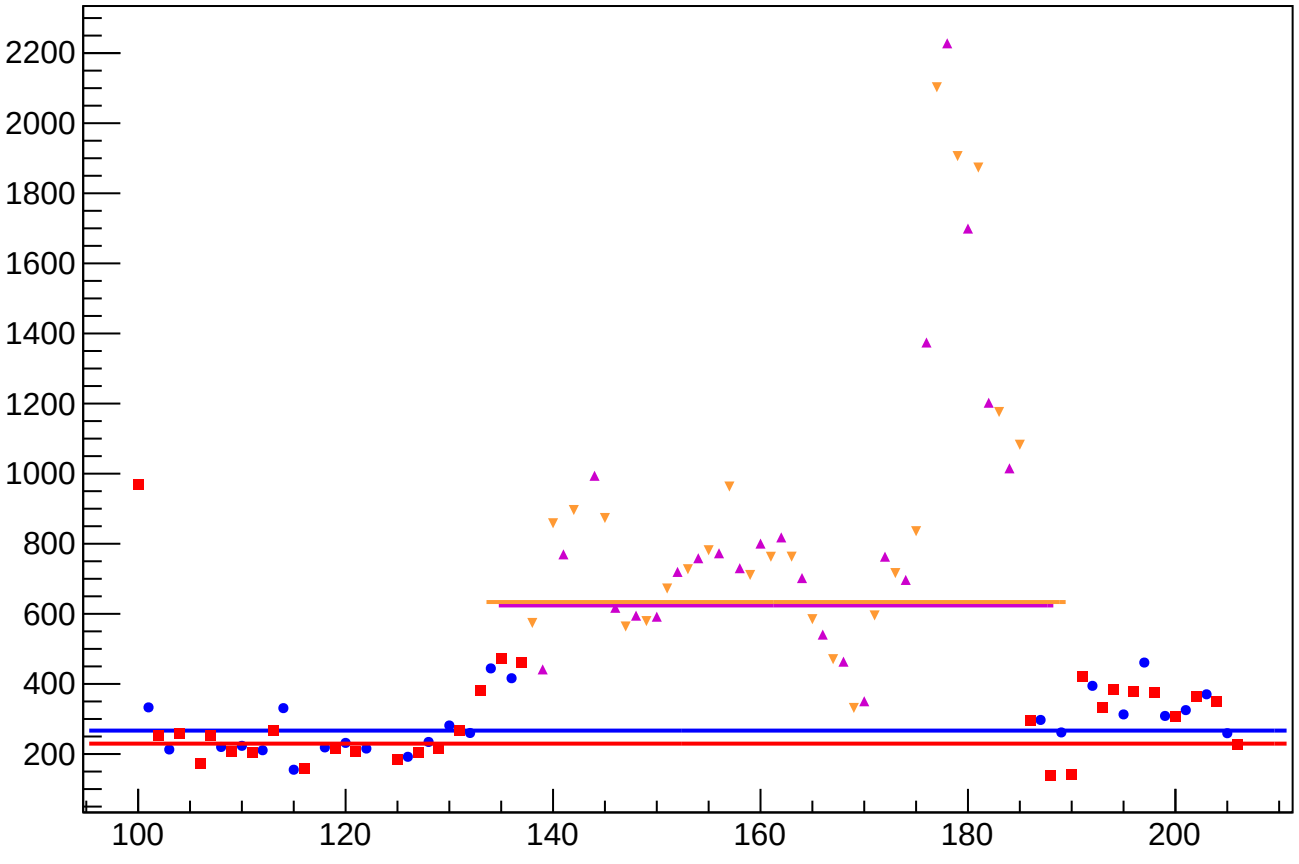
Right Out: -0.052+/-0.063 χ^2/NDF: 36.6/29

Left In: 0.147+/-0.158 χ^2/NDF:26.4/22

+ sign -0.096+/-0.069 χ^2/NDF: 48.7/48

All: -0.055+/-0.045 χ^2/NDF: 113.7/101

- sign -0.025+/-0.059 χ^2/NDF: 64.4/52



Right In: 266.842+/-0.054 χ^2/NDF: 1719866.5/24

Left Out: 633.678+/-0.114 χ^2/NDF:4994172.5/23

Right Out: 229.643+/-0.045 χ^2/NDF: 3409511.7/29

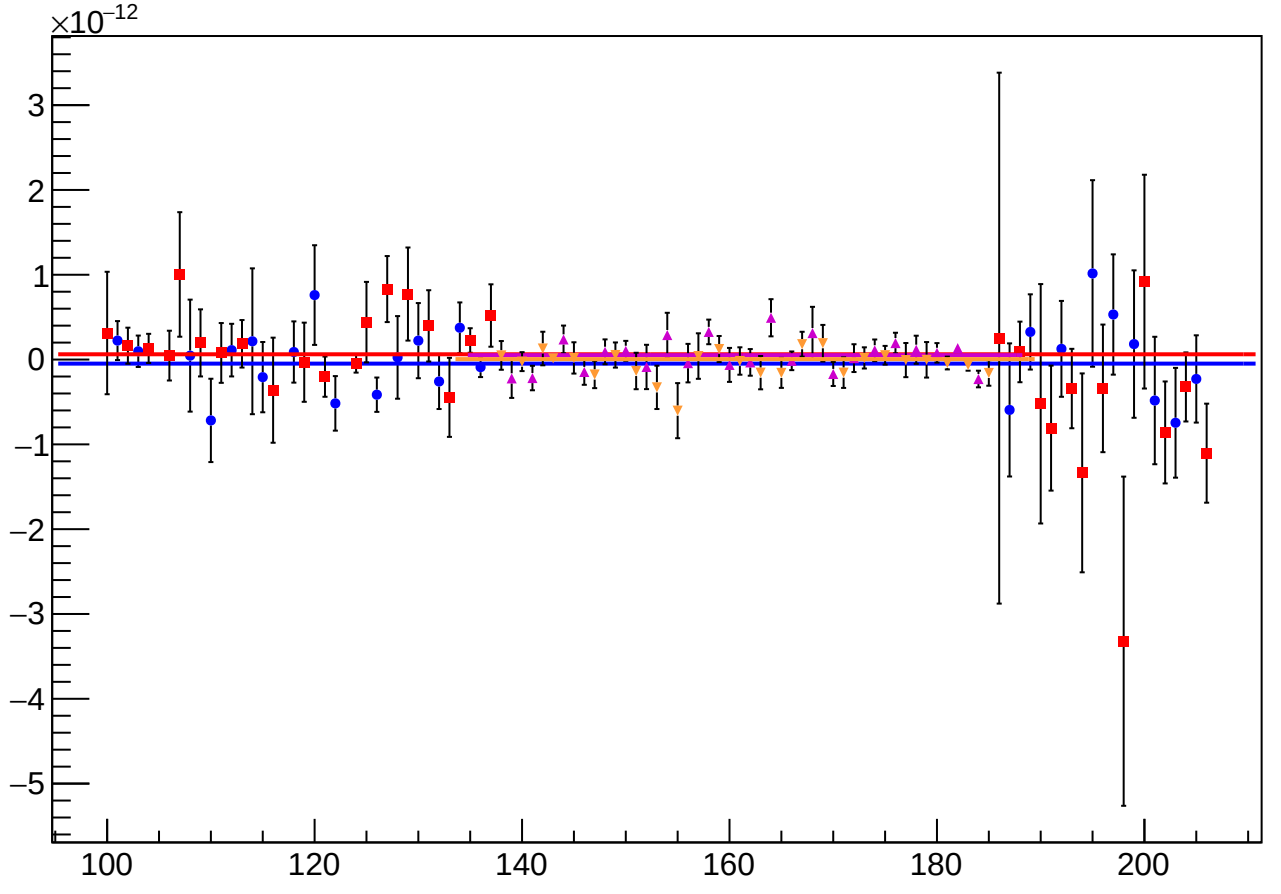
Left In: 623.922+/-0.112 χ^2/NDF:4541413.9/22

+ sign 333.061+/-0.048 χ^2/NDF: 15177187.8/48

All: 304.534+/-0.032 χ^2/NDF: 34443989.6/10

- sign 283.717+/-0.041 χ^2/NDF: 18668341.6/52

asym_atl2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.8/24

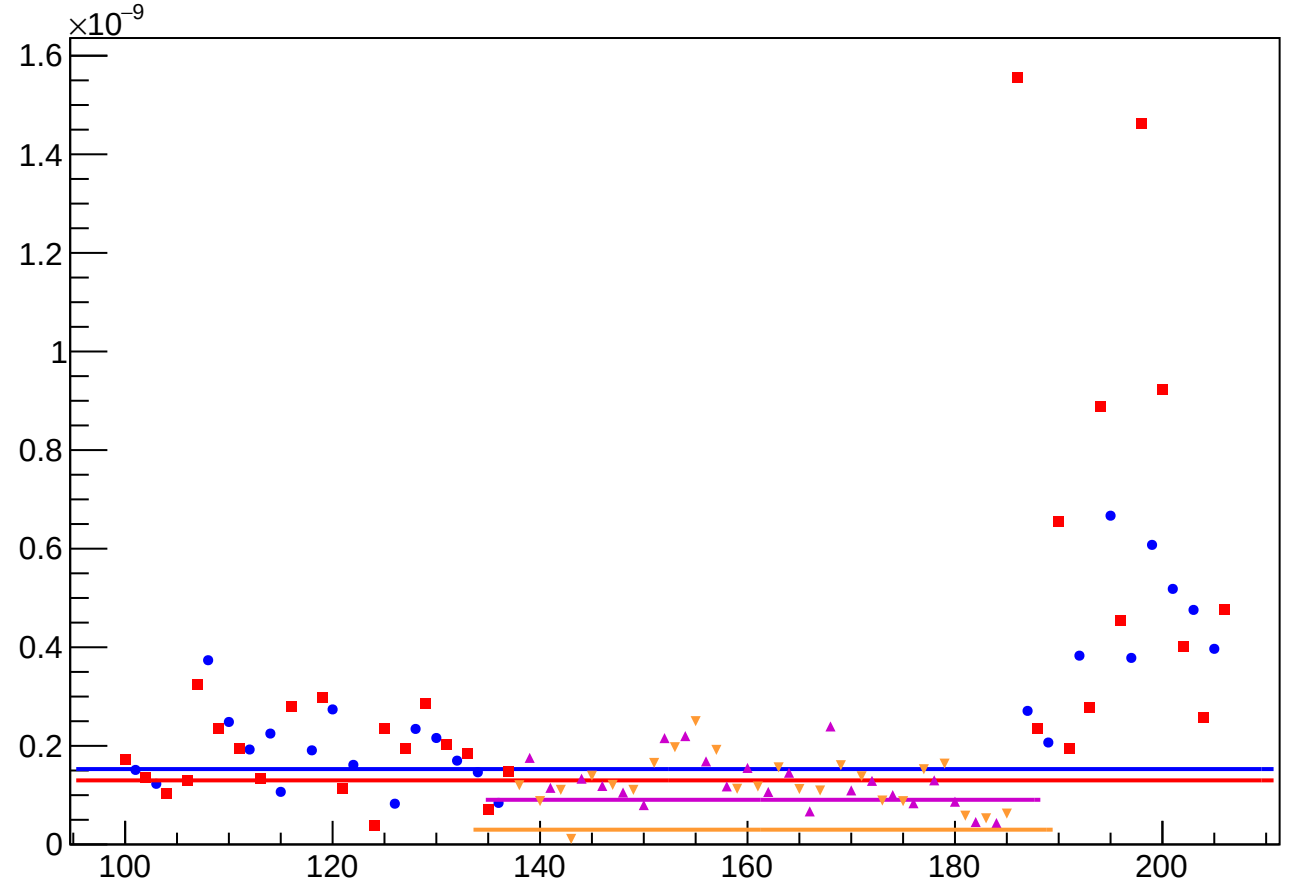
Right Out: 0.000+/-0.000 χ^2/NDF: 30.8/30

Left In: 0.000+/-0.000 χ^2/NDF:33.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.8/49

All: 0.000+/-0.000 χ^2/NDF: 103.2/103

- sign 0.000+/-0.000 χ^2/NDF: 64.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 4574578.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:17263498.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8292203.0/30

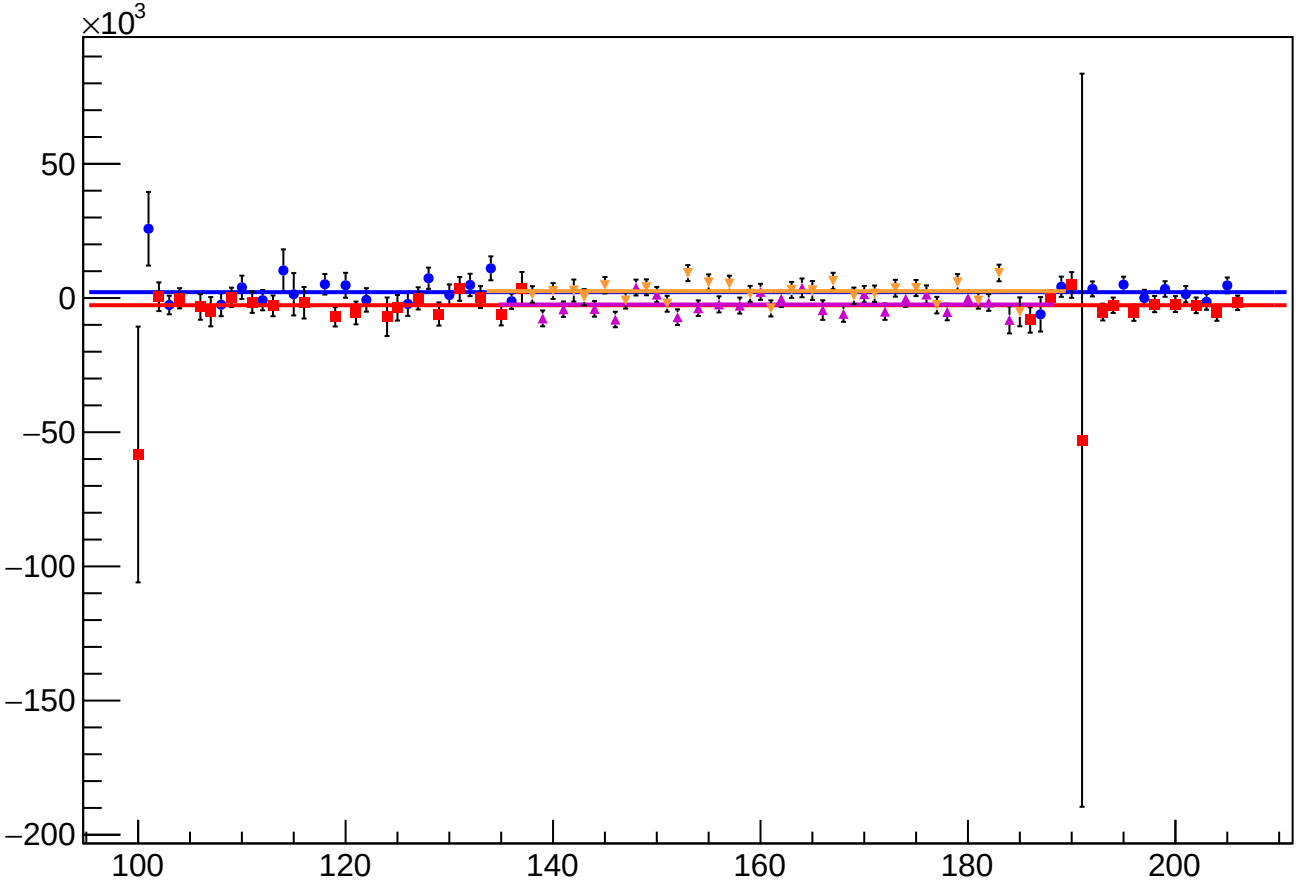
Left In: 0.000+/-0.000 χ^2/NDF:4716343.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 28826238.3/49

All: 0.000+/-0.000 χ^2/NDF: 52555657.2/103

- sign 0.000+/-0.000 χ^2/NDF: 13796862.8/53

reg_asym_atr1_mean vs Slug



Right In: 2187.844+/-751.472 χ^2/NDF: 23.7/24

Left Out: 2556.827+/-621.829 χ^2/NDF:31.6/24

Right Out: -2685.249+/-697.119 χ^2/NDF: 18.1/30

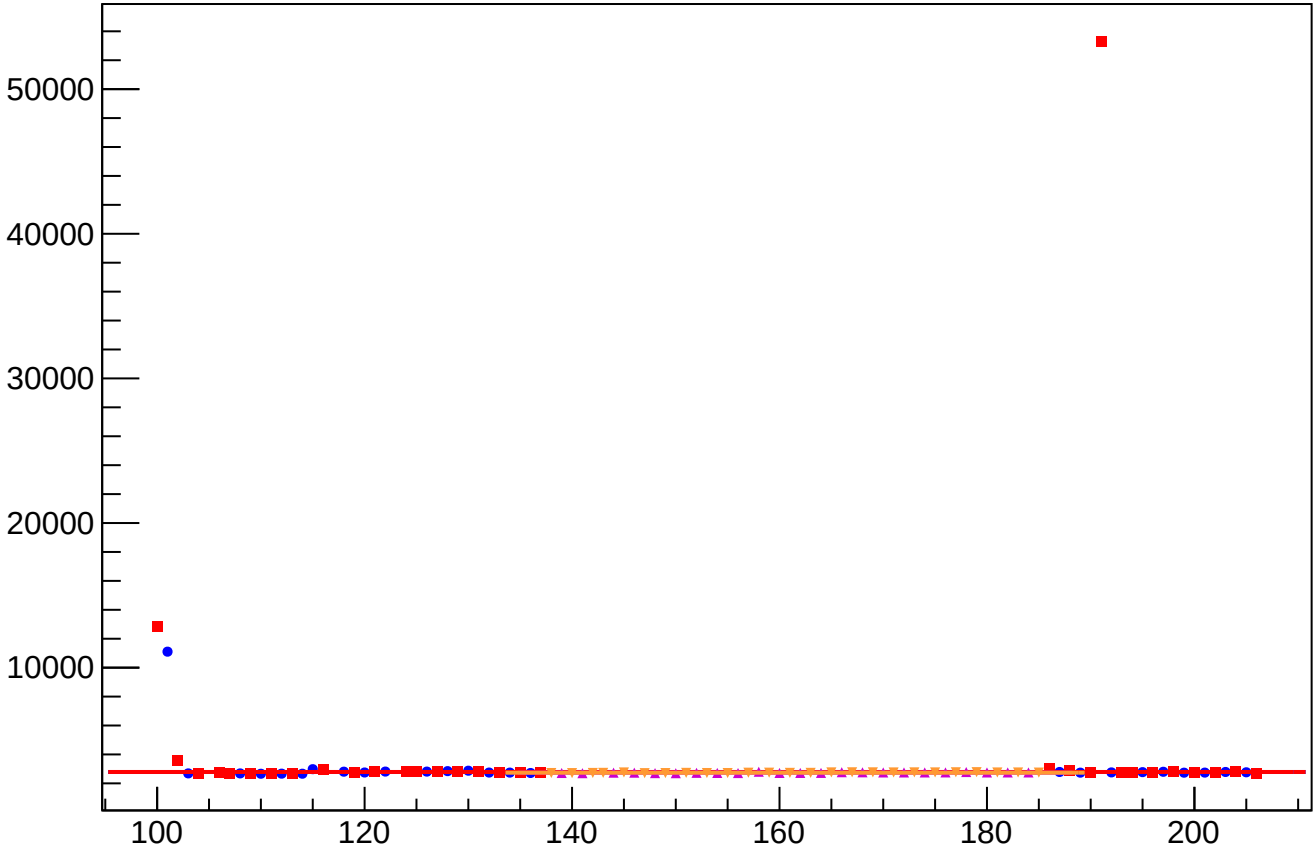
Left In: -2408.320+/-639.726 χ^2/NDF:31.4/22

+ sign 2406.861+/-479.078 χ^2/NDF: 55.5/49

All: -104.256+/-335.991 χ^2/NDF: 159.1/103

- sign -2534.917+/-471.341 χ^2/NDF: 49.6/53

reg_asym_atr1_rms vs Slug



Right In: 2784.977+/-0.531 χ^2/NDF: 748490.2/24

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2787.166+/-0.493 χ^2/NDF: 481393.9/30

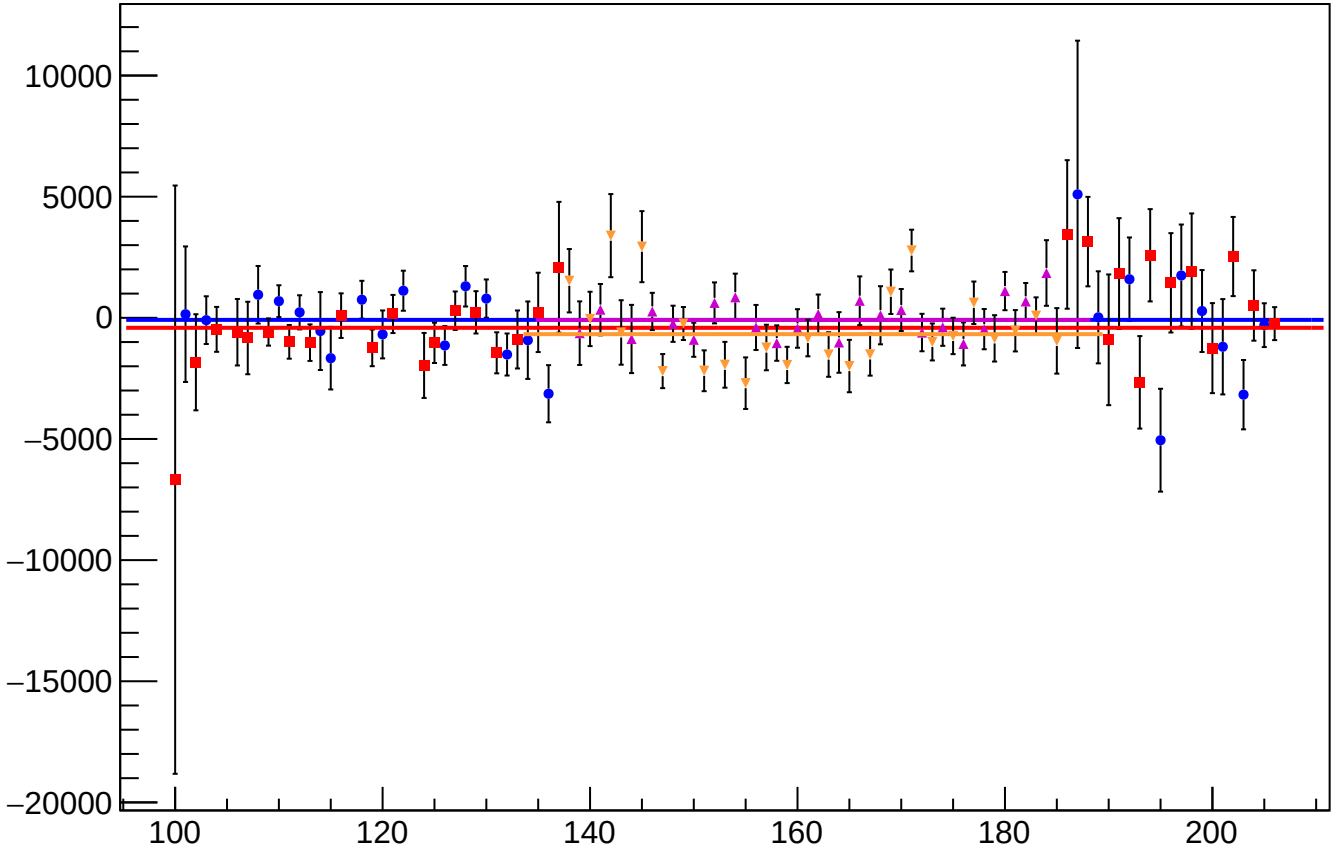
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.807+/-0.339 χ^2/NDF: 755542.5/49

All: 2759.185+/-0.238 χ^2/NDF: 1245394.3/10

- sign 2761.487+/-0.333 χ^2/NDF: 489754.8/53

asym_atr1_reg_correction_mean vs Slug



Right In: -84.549+/-214.418 χ^2/NDF: 35.9/24

Left Out: -673.693+/-181.230 χ^2/NDF:58.4/24

Right Out: -411.405+/-194.502 χ^2/NDF: 26.1/30

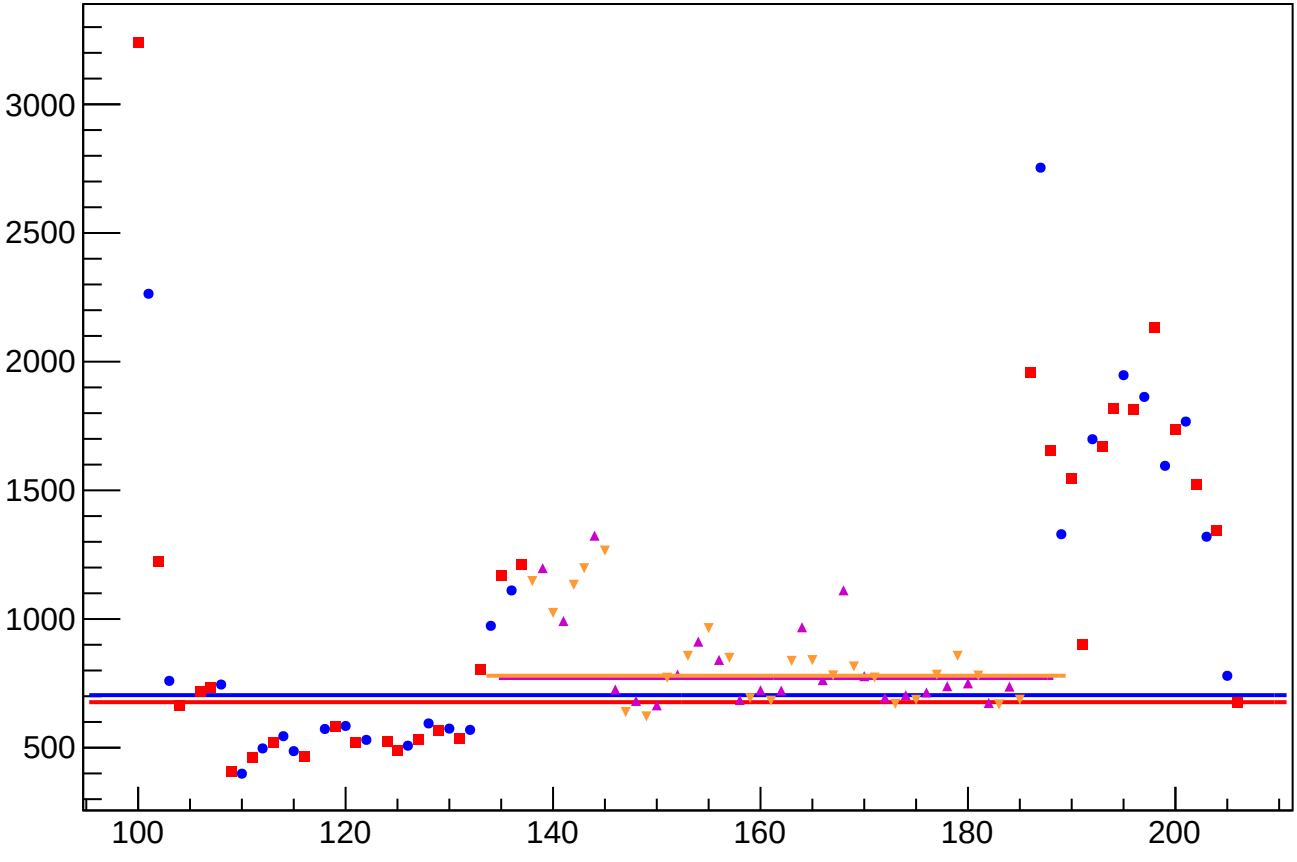
Left In: -89.519+/-183.491 χ^2/NDF:14.8/22

+ sign -428.194+/-138.413 χ^2/NDF: 98.6/49

All: -331.244+/-96.078 χ^2/NDF: 141.9/103

- sign -241.094+/-133.471 χ^2/NDF: 42.3/53

asym_atr1_reg_correction_rms vs Slug



Right In: 704.181+/-0.152 χ^2/NDF: 5944371.4/24

Left Out: 779.715+/-0.128 χ^2/NDF:1243743.5/24

Right Out: 676.922+/-0.138 χ^2/NDF: 7127013.8/30

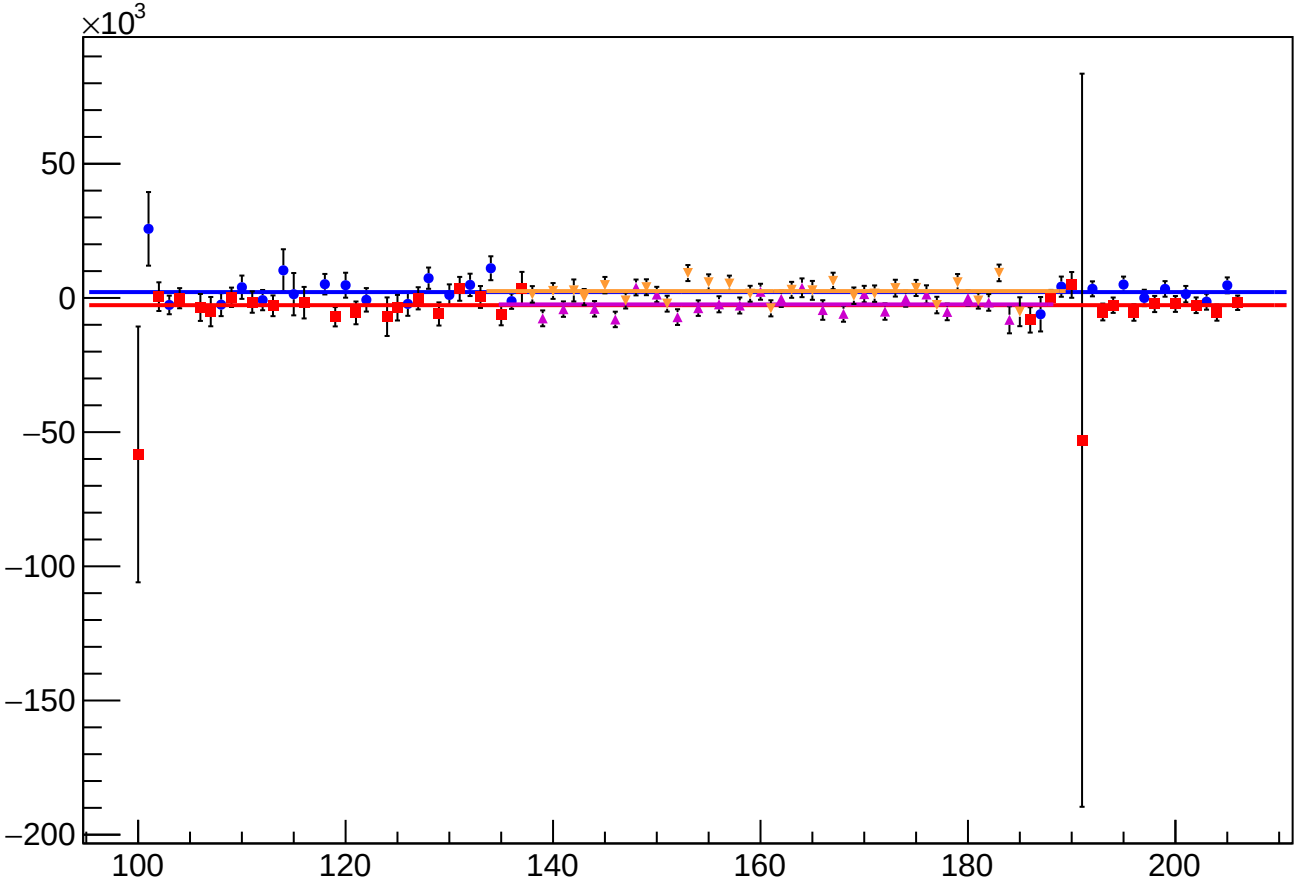
Left In: 770.795+/-0.130 χ^2/NDF:1076354.9/22

+ sign 748.240+/-0.098 χ^2/NDF: 7332885.7/49

All: 737.022+/-0.068 χ^2/NDF: 15808102.7/10

- sign 726.590+/-0.094 χ^2/NDF: 8449863.3/53

cor_asym_atr1_mean vs Slug



Right In: 2187.523+/-751.472 χ^2/NDF: 23.7/24

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2688.474+/-697.846 χ^2/NDF: 18.1/30

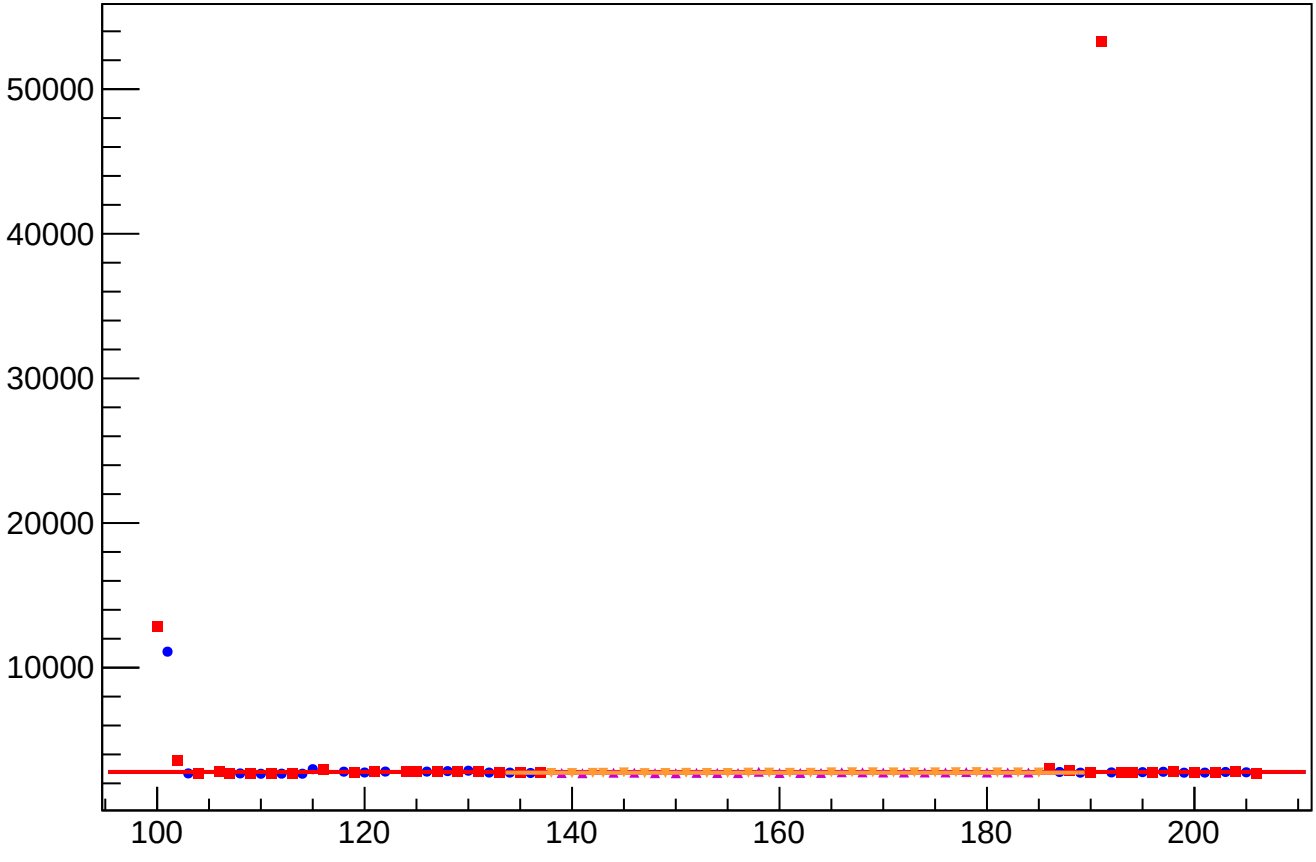
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2406.706+/-479.078 χ^2/NDF: 55.5/49

All: -103.871+/-336.072 χ^2/NDF: 159.1/103

- sign -2536.324+/-471.565 χ^2/NDF: 49.6/53

cor_asym_atr1_rms vs Slug



Right In: 2784.977+/-0.531 χ^2/NDF: 748489.3/24

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2789.575+/-0.493 χ^2/NDF: 481201.7/30

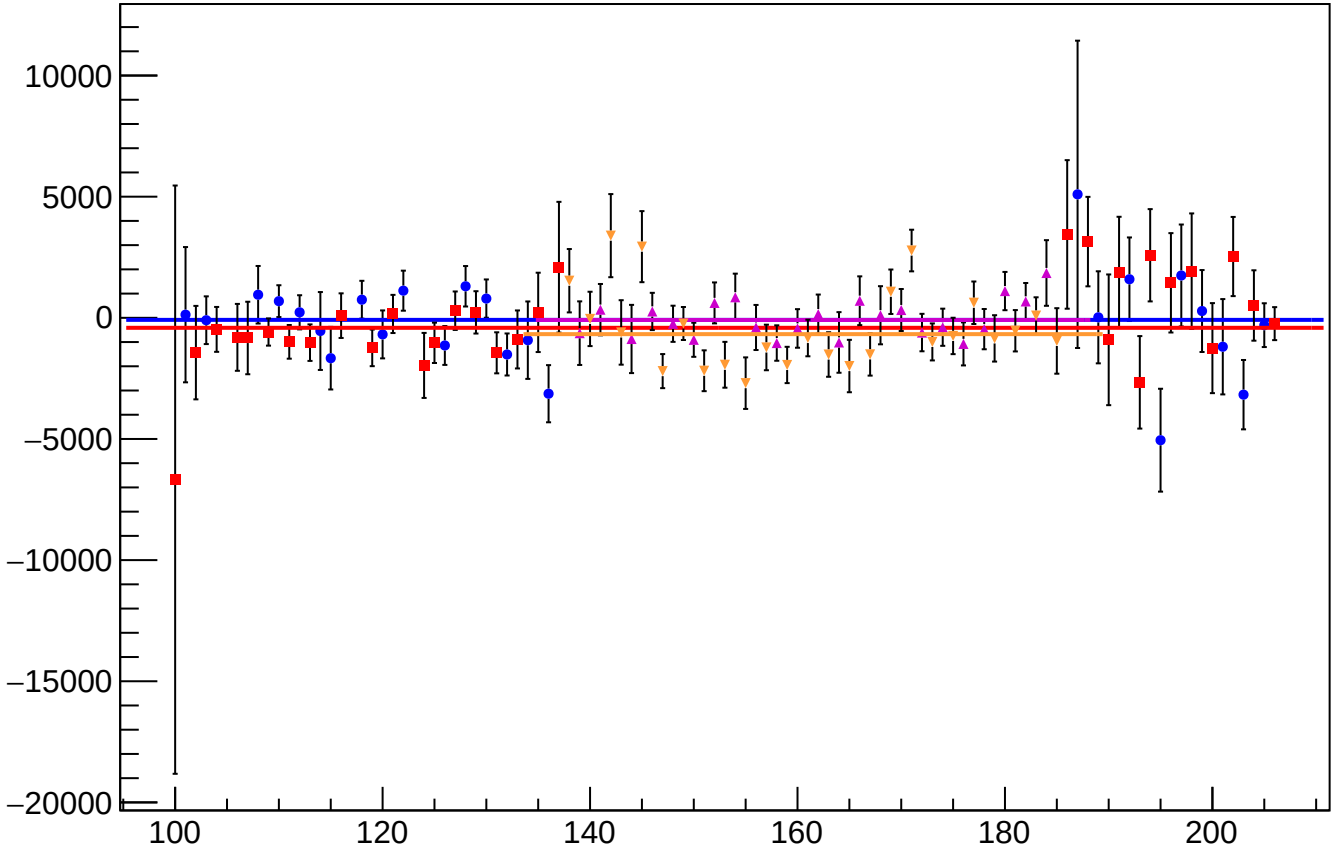
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.807+/-0.339 χ^2/NDF: 755541.6/49

All: 2759.731+/-0.238 χ^2/NDF: 1245766.8/10

- sign 2762.563+/-0.333 χ^2/NDF: 490078.5/53

asym_atr1_cor_correction_mean vs Slug



Right In: -84.574+/-214.409 χ^2/NDF: 35.9/24

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -412.194+/-194.474 χ^2/NDF: 25.9/30

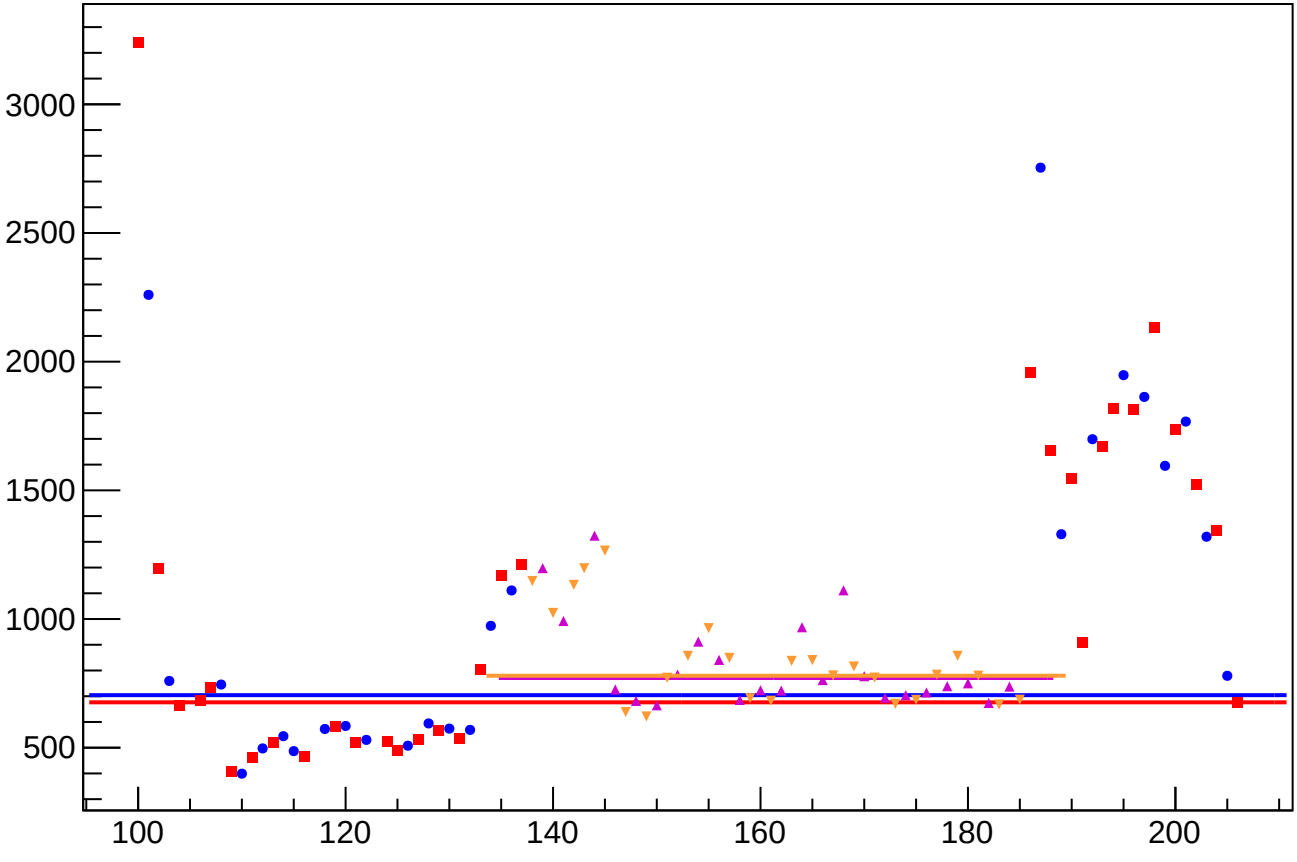
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -428.144+/-138.410 χ^2/NDF: 98.6/49

All: -331.455+/-96.074 χ^2/NDF: 141.8/103

- sign -241.555+/-133.462 χ^2/NDF: 42.2/53

asym_atr1_cor_correction_rms vs Slug



Right In: 704.170+/-0.152 χ^2/NDF: 5943473.4/24

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.312+/-0.138 χ^2/NDF: 7121008.9/30

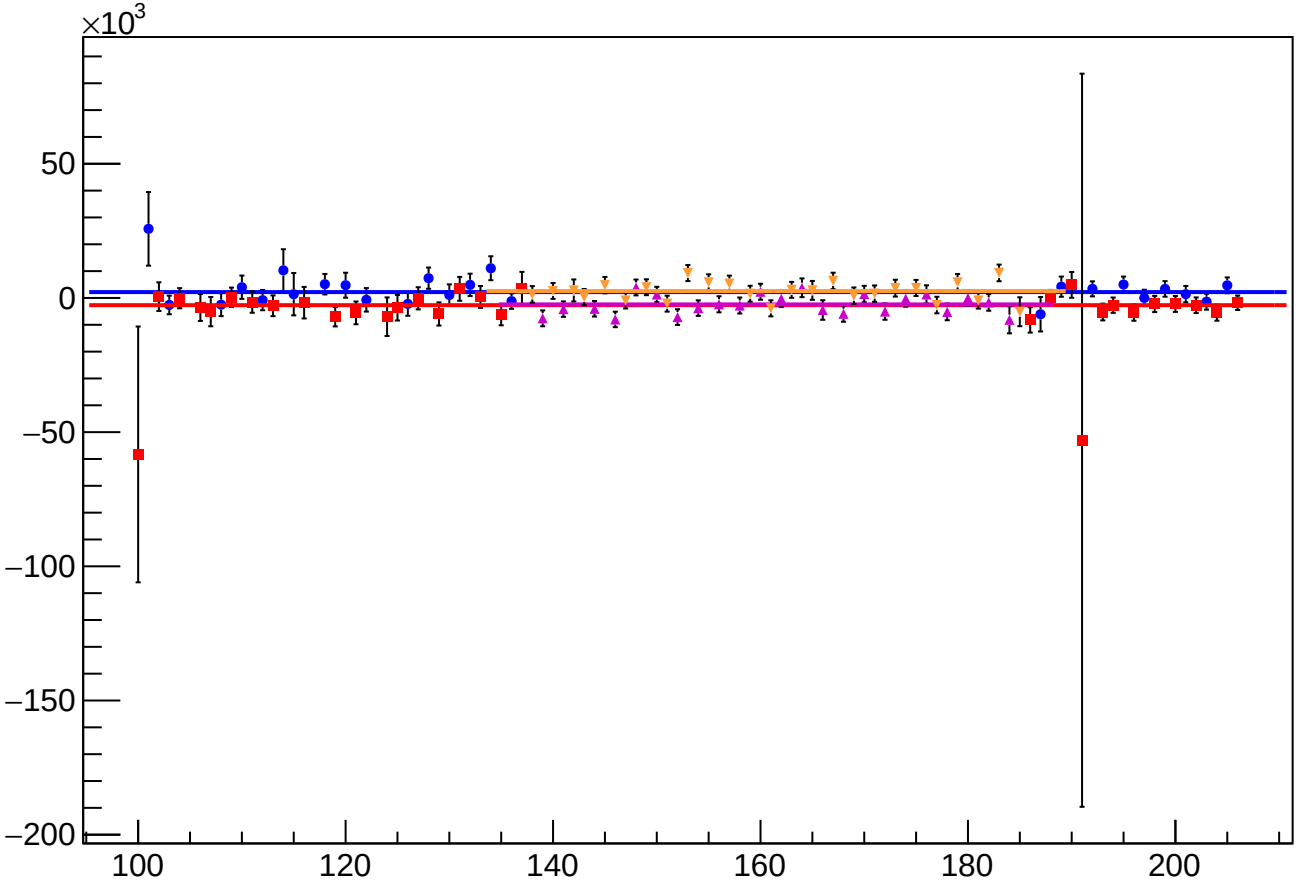
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 748.233+/-0.098 χ^2/NDF: 7332054.5/49

All: 736.866+/-0.068 χ^2/NDF: 15805145.9/10

- sign 726.298+/-0.094 χ^2/NDF: 8447064.1/53

eigen_cor_asym_atr1_mean vs Slug



Right In: 2187.523+/-751.472 χ^2/NDF: 23.7/24

Left Out: 2556.787+/-621.829 χ^2/NDF:31.6/24

Right Out: -2688.474+/-697.846 χ^2/NDF: 18.1/30

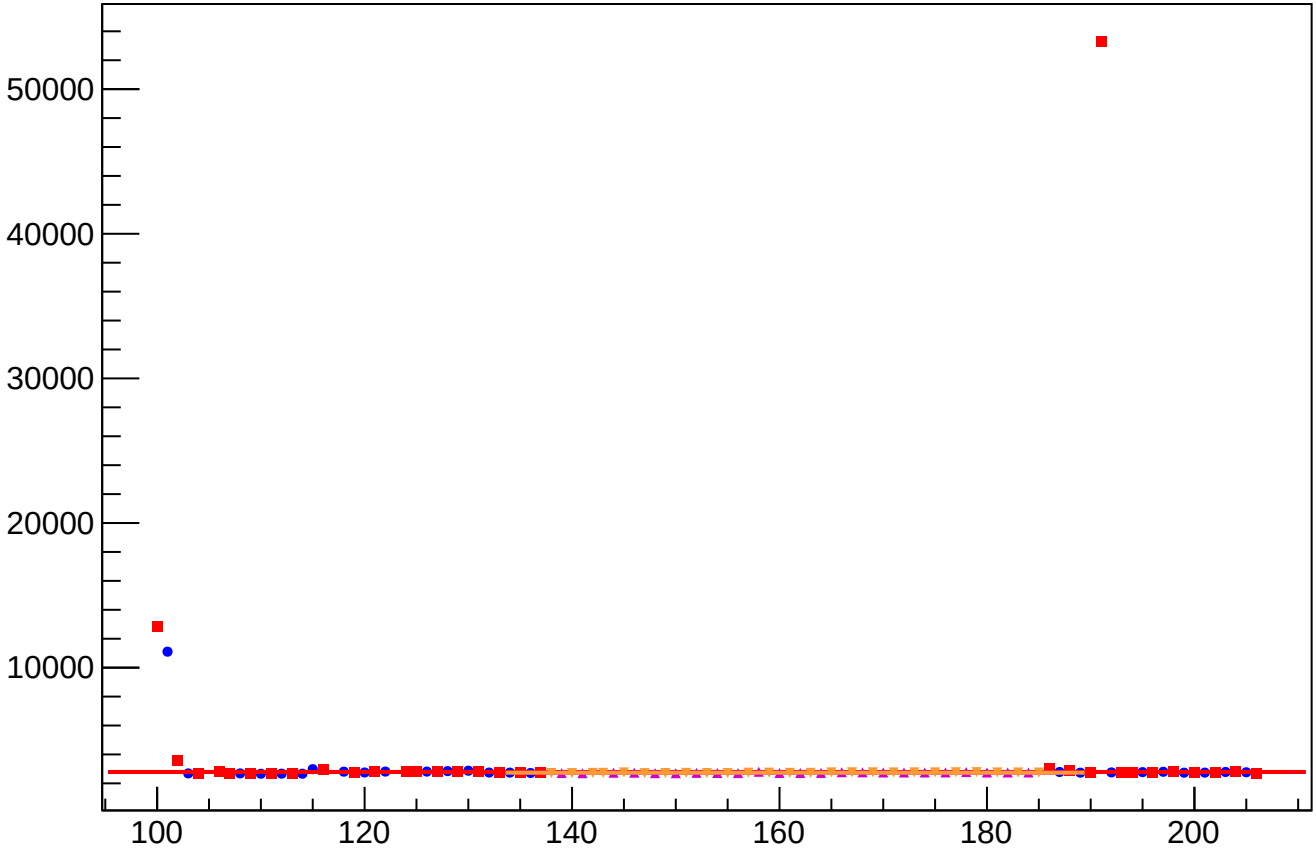
Left In: -2408.461+/-639.726 χ^2/NDF:31.4/22

+ sign 2406.706+/-479.078 χ^2/NDF: 55.5/49

All: -103.871+/-336.072 χ^2/NDF: 159.1/103

- sign -2536.324+/-471.565 χ^2/NDF: 49.6/53

eigen_cor_asym_atr1_rms vs Slug



Right In: 2784.977+/-0.531 χ^2/NDF: 748489.3/24

Left Out: 2737.519+/-0.440 χ^2/NDF:2317.5/24

Right Out: 2789.575+/-0.493 χ^2/NDF: 481201.7/30

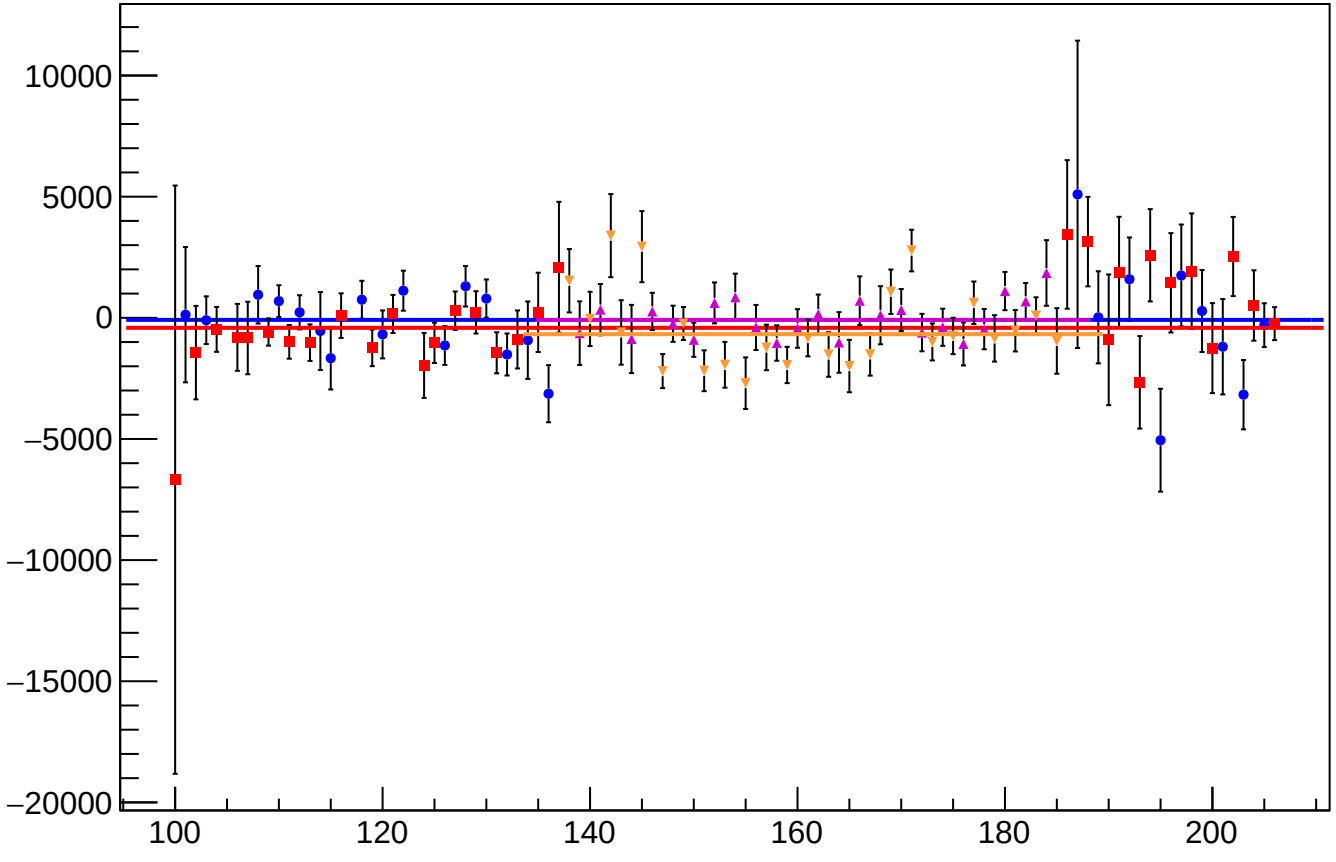
Left In: 2739.863+/-0.452 χ^2/NDF:3362.0/22

+ sign 2756.807+/-0.339 χ^2/NDF: 755541.6/49

All: 2759.731+/-0.238 χ^2/NDF: 1245766.8/10

- sign 2762.563+/-0.333 χ^2/NDF: 490078.5/53

asym_atr1_eigen_cor_correction_mean vs Slug



Right In: -84.574+/-214.409 χ^2/NDF: 35.9/24

Left Out: -673.608+/-181.230 χ^2/NDF:58.4/24

Right Out: -412.194+/-194.474 χ^2/NDF: 25.9/30

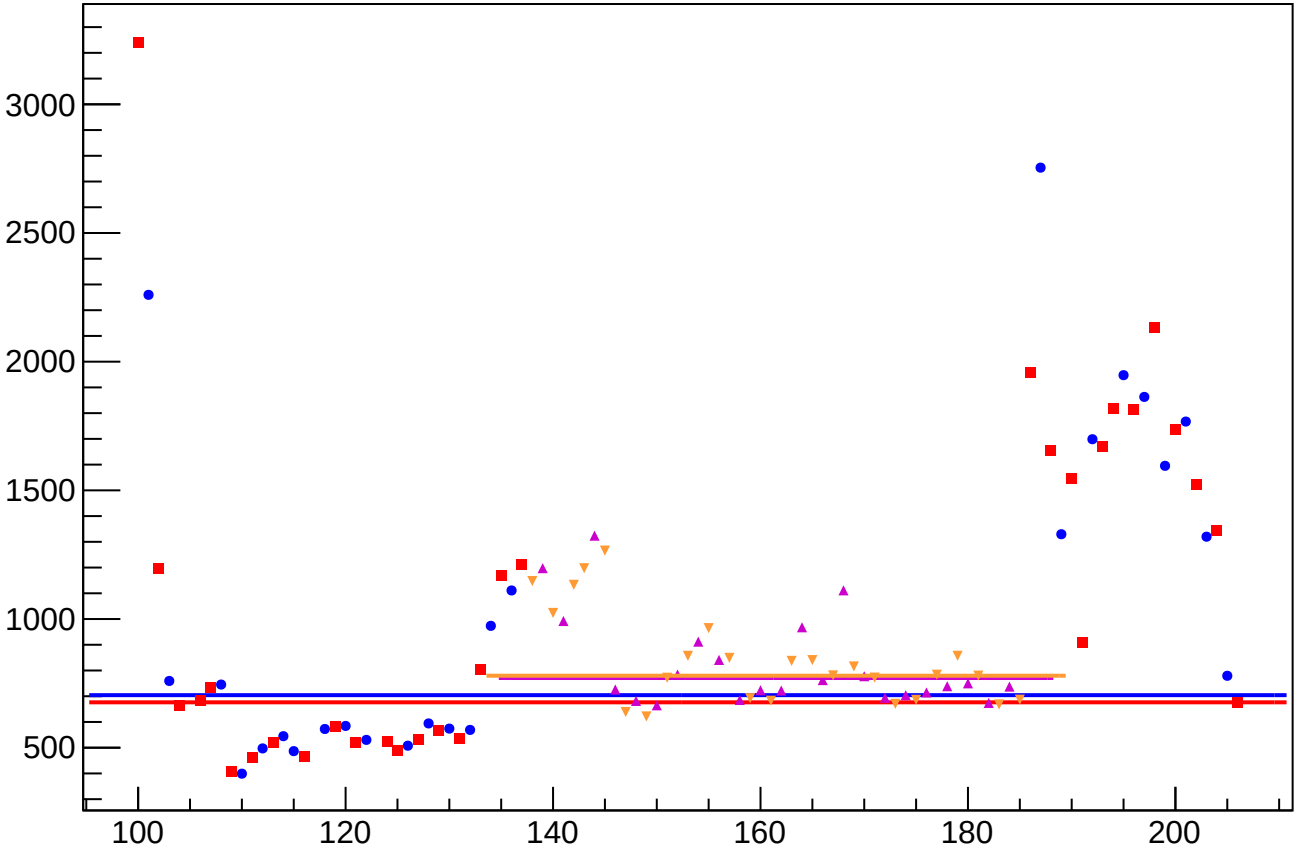
Left In: -89.643+/-183.492 χ^2/NDF:14.8/22

+ sign -428.144+/-138.410 χ^2/NDF: 98.6/49

All: -331.455+/-96.074 χ^2/NDF: 141.8/103

- sign -241.555+/-133.462 χ^2/NDF: 42.2/53

asym_atr1_eigen_cor_correction_rms vs Slug



Right In: 704.170+/-0.152 χ^2/NDF: 5943473.4/24

Left Out: 779.713+/-0.128 χ^2/NDF:1243769.6/24

Right Out: 676.312+/-0.138 χ^2/NDF: 7121008.9/30

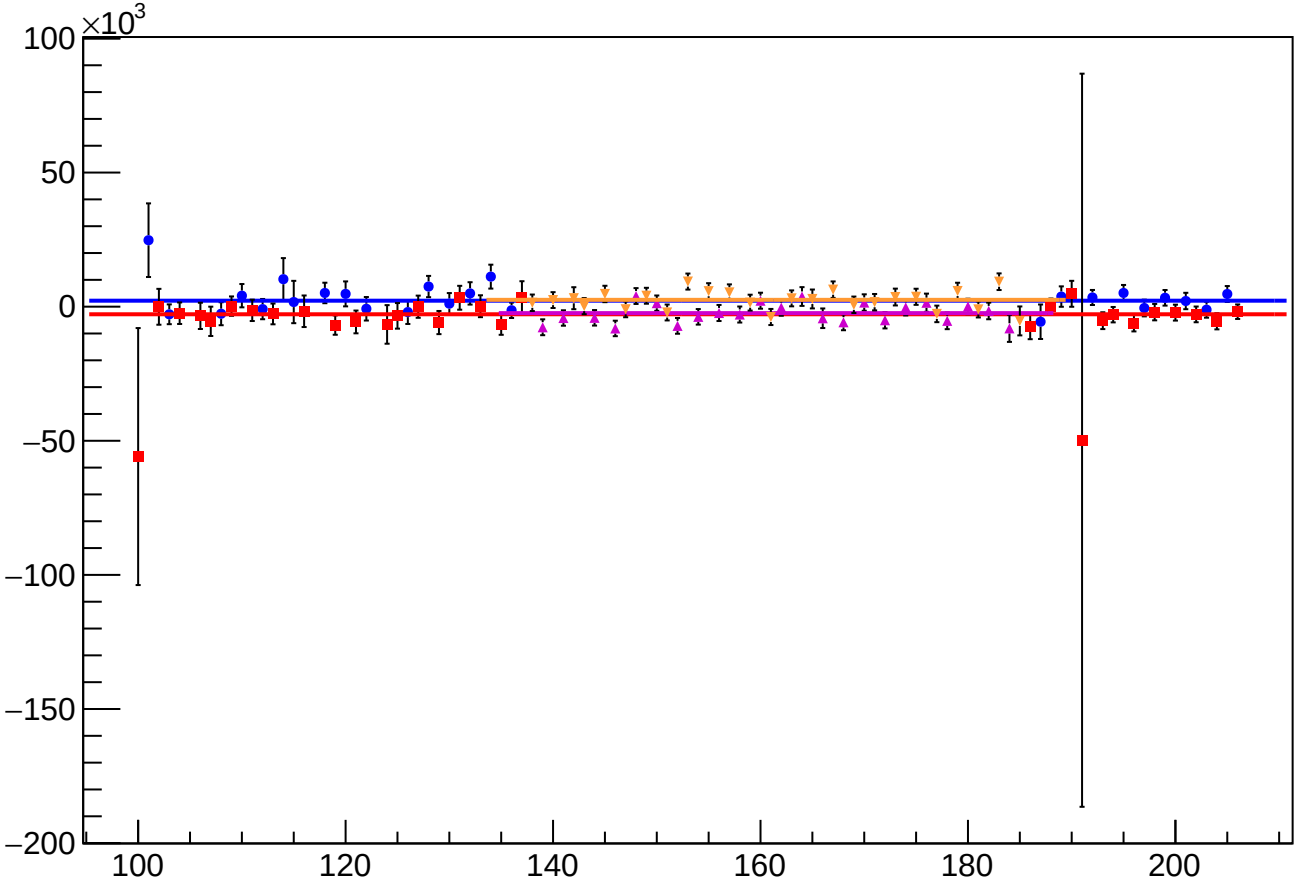
Left In: 770.799+/-0.130 χ^2/NDF:1076291.1/22

+ sign 748.233+/-0.098 χ^2/NDF: 7332054.5/49

All: 736.866+/-0.068 χ^2/NDF: 15805145.9/10

- sign 726.298+/-0.094 χ^2/NDF: 8447064.1/53

dit_asym_atr1_mean vs Slug



Right In: 2227.905+/-756.102 χ^2/NDF: 23.5/24

Left Out: 2545.043+/-622.236 χ^2/NDF:31.9/24

Right Out: -2834.004+/-703.627 χ^2/NDF: 17.2/30

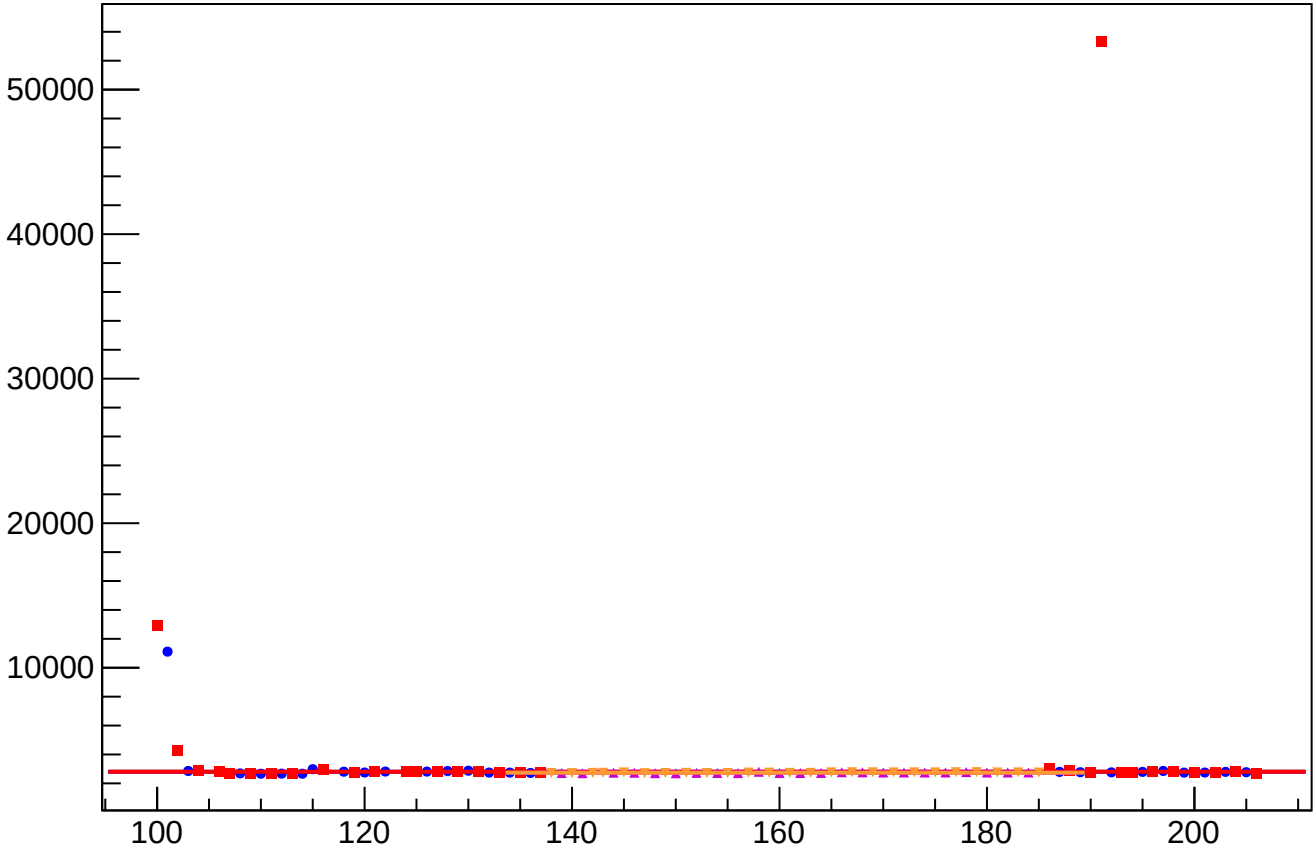
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2416.987+/-480.459 χ^2/NDF: 55.6/49

All: -128.335+/-337.242 χ^2/NDF: 160.1/103

- sign -2600.277+/-473.482 χ^2/NDF: 49.2/53

dit_asym_atr1_rms vs Slug



Right In: 2801.982+/-0.535 χ^2/NDF: 747486.2/24

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2806.493+/-0.498 χ^2/NDF: 534747.7/30

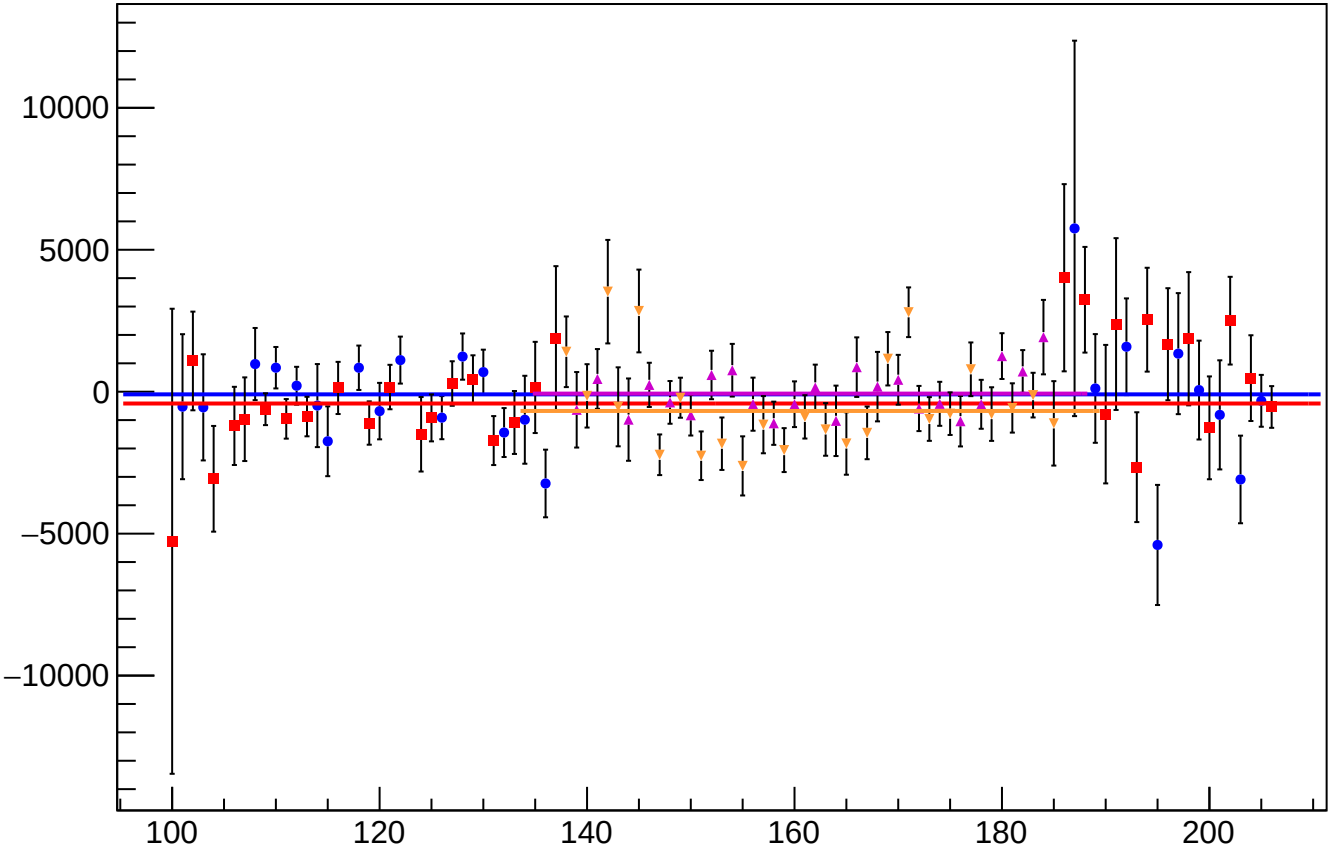
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.612+/-0.340 χ^2/NDF: 758002.6/49

All: 2767.787+/-0.238 χ^2/NDF: 1305660.5/10

- sign 2770.870+/-0.335 χ^2/NDF: 547485.8/53

asym_atr1_dit_correction_mean vs Slug



Right In: -93.237+/-218.019 χ^2/NDF: 35.5/24

Left Out: -678.226+/-185.004 χ^2/NDF:56.2/24

Right Out: -416.000+/-196.514 χ^2/NDF: 29.7/30

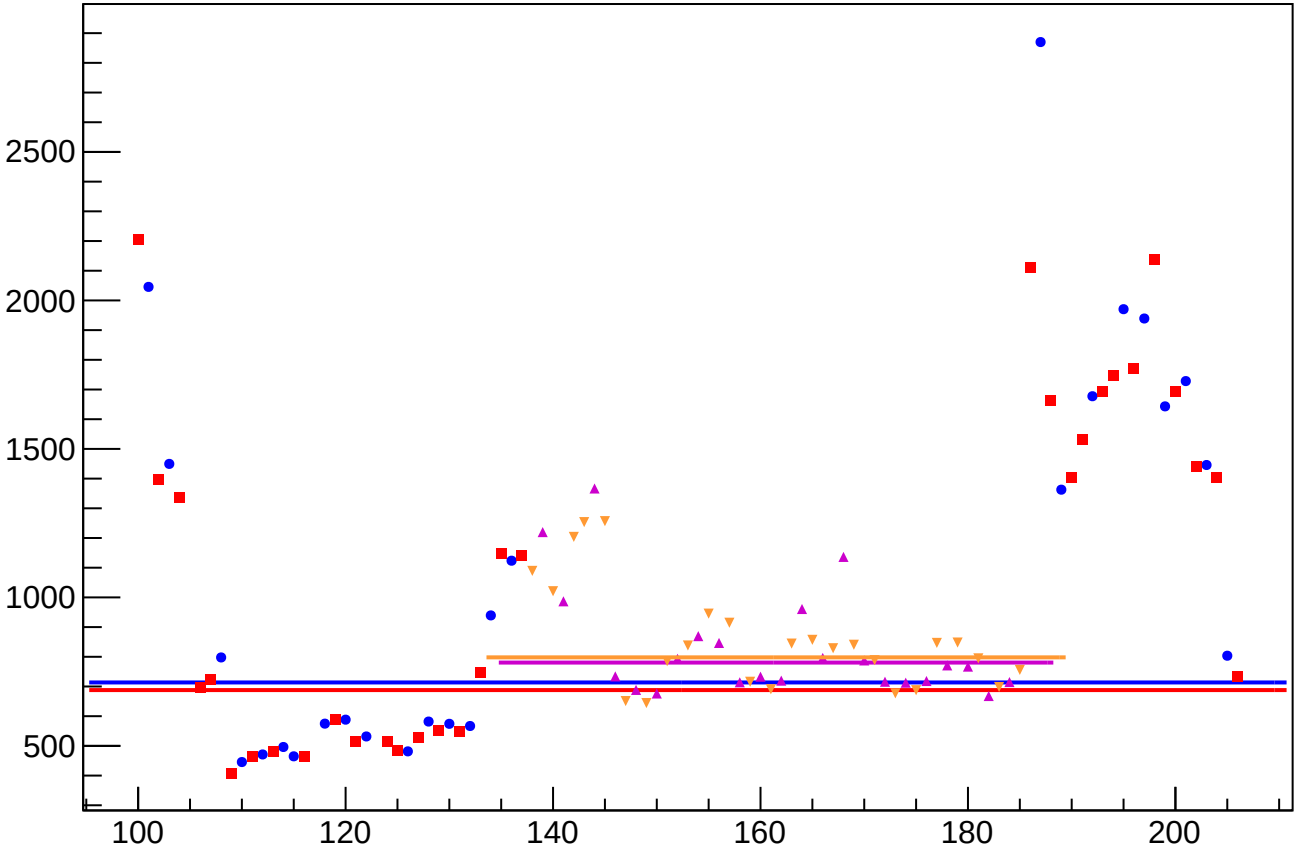
Left In: -67.156+/-185.436 χ^2/NDF:15.8/22

+ sign -433.333+/-141.062 χ^2/NDF: 95.9/49

All: -327.873+/-97.483 χ^2/NDF: 144.1/103

- sign -231.468+/-134.869 χ^2/NDF: 47.2/53

asym_atr1_dit_correction_rms vs Slug



Right In: 713.602+/-0.154 χ^2/NDF: 6400271.8/24

Left Out: 798.091+/-0.131 χ^2/NDF:1168352.1/24

Right Out: 687.894+/-0.139 χ^2/NDF: 7724029.5/30

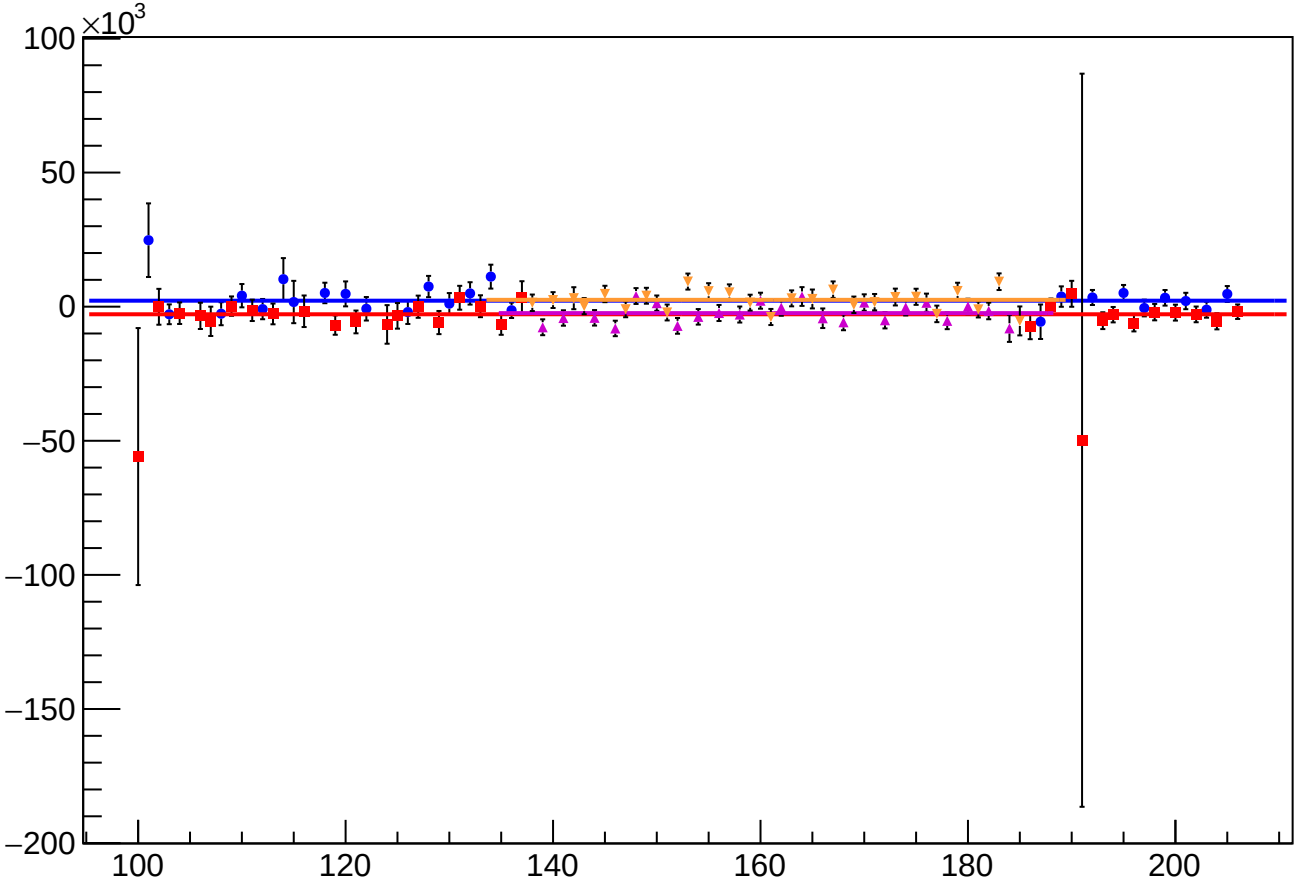
Left In: 780.525+/-0.131 χ^2/NDF:1064827.5/22

+ sign 762.722+/-0.100 χ^2/NDF: 7743248.1/49

All: 749.228+/-0.069 χ^2/NDF: 16802204.3/10

- sign 736.894+/-0.095 χ^2/NDF: 9023929.1/53

eigen_dit_asym_atr1_mean vs Slug



Right In: 2227.905+/-756.102 χ^2/NDF: 23.5/24

Left Out: 2545.044+/-622.236 χ^2/NDF:31.9/24

Right Out: -2834.002+/-703.627 χ^2/NDF: 17.2/30

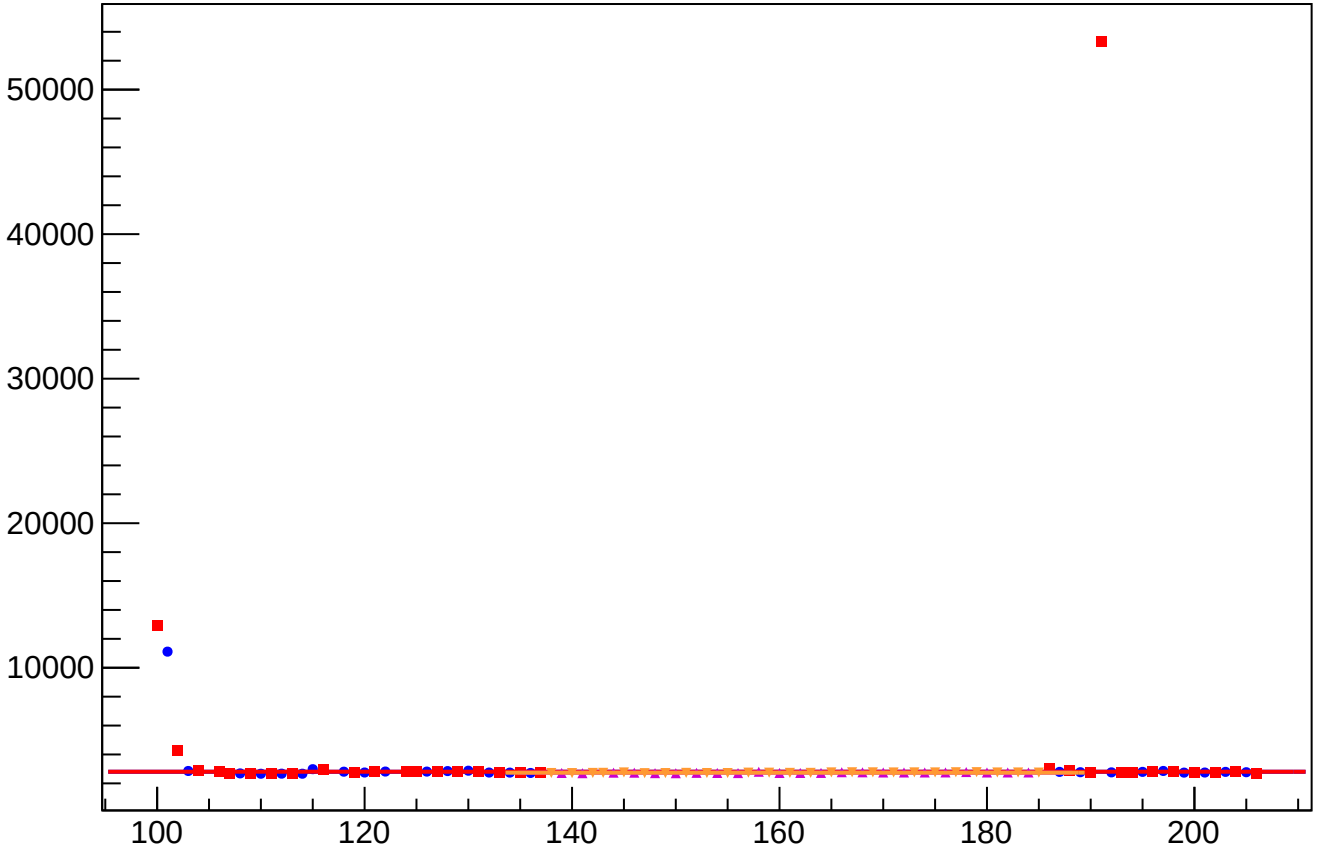
Left In: -2406.858+/-640.084 χ^2/NDF:31.8/22

+ sign 2416.988+/-480.459 χ^2/NDF: 55.6/49

All: -128.334+/-337.242 χ^2/NDF: 160.1/103

- sign -2600.276+/-473.482 χ^2/NDF: 49.2/53

eigen_dit_asym_atr1_rms vs Slug



Right In: 2801.982+/-0.535 χ^2/NDF: 747486.2/24

Left Out: 2739.304+/-0.440 χ^2/NDF:2322.3/24

Right Out: 2806.493+/-0.498 χ^2/NDF: 534747.5/30

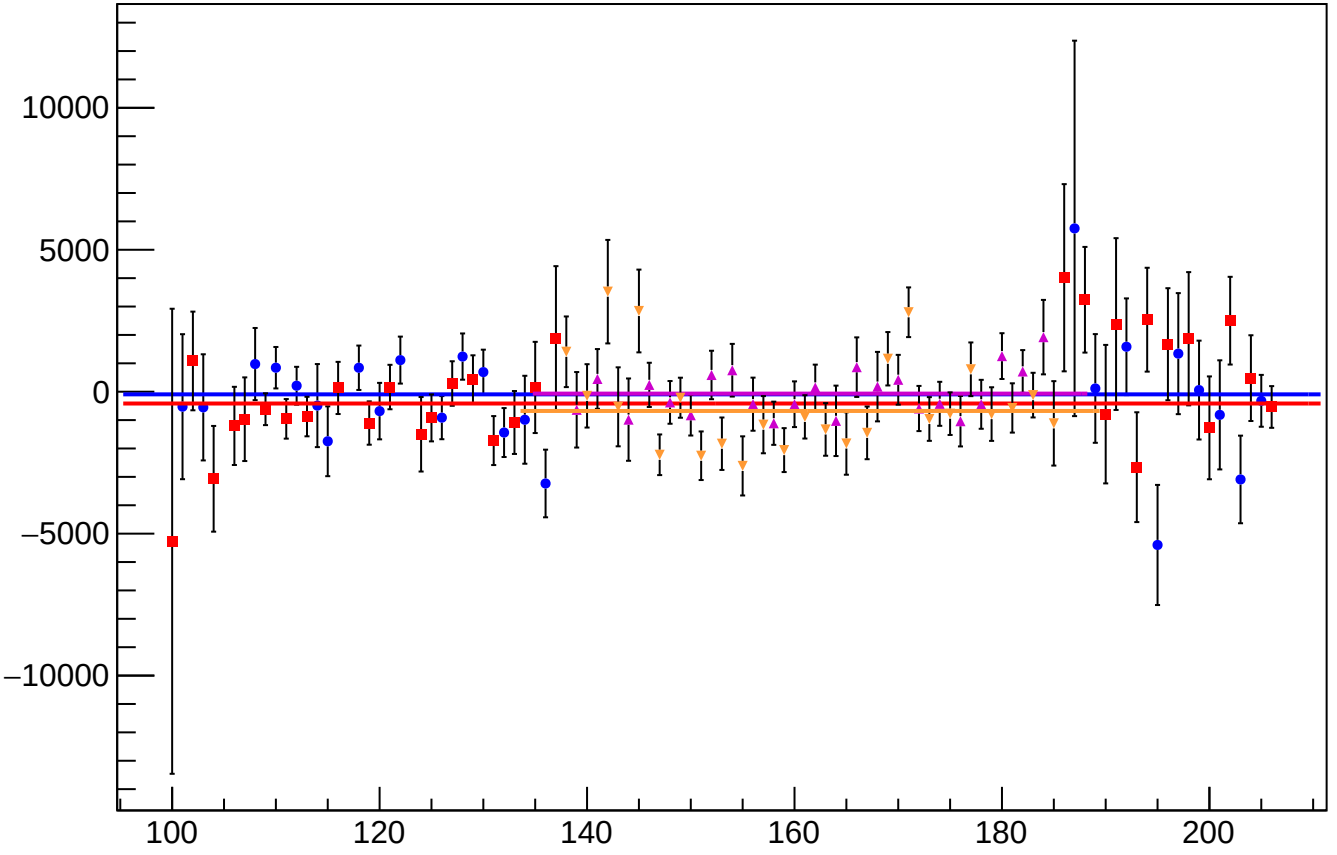
Left In: 2741.391+/-0.453 χ^2/NDF:3369.6/22

+ sign 2764.612+/-0.340 χ^2/NDF: 758002.6/49

All: 2767.787+/-0.238 χ^2/NDF: 1305660.3/10

- sign 2770.870+/-0.335 χ^2/NDF: 547485.6/53

asym_atr1_eigen_dit_correction_mean vs Slug



Right In: -93.236+/-218.019 χ^2/NDF: 35.5/24

Left Out: -678.227+/-185.004 χ^2/NDF:56.2/24

Right Out: -416.000+/-196.514 χ^2/NDF: 29.7/30

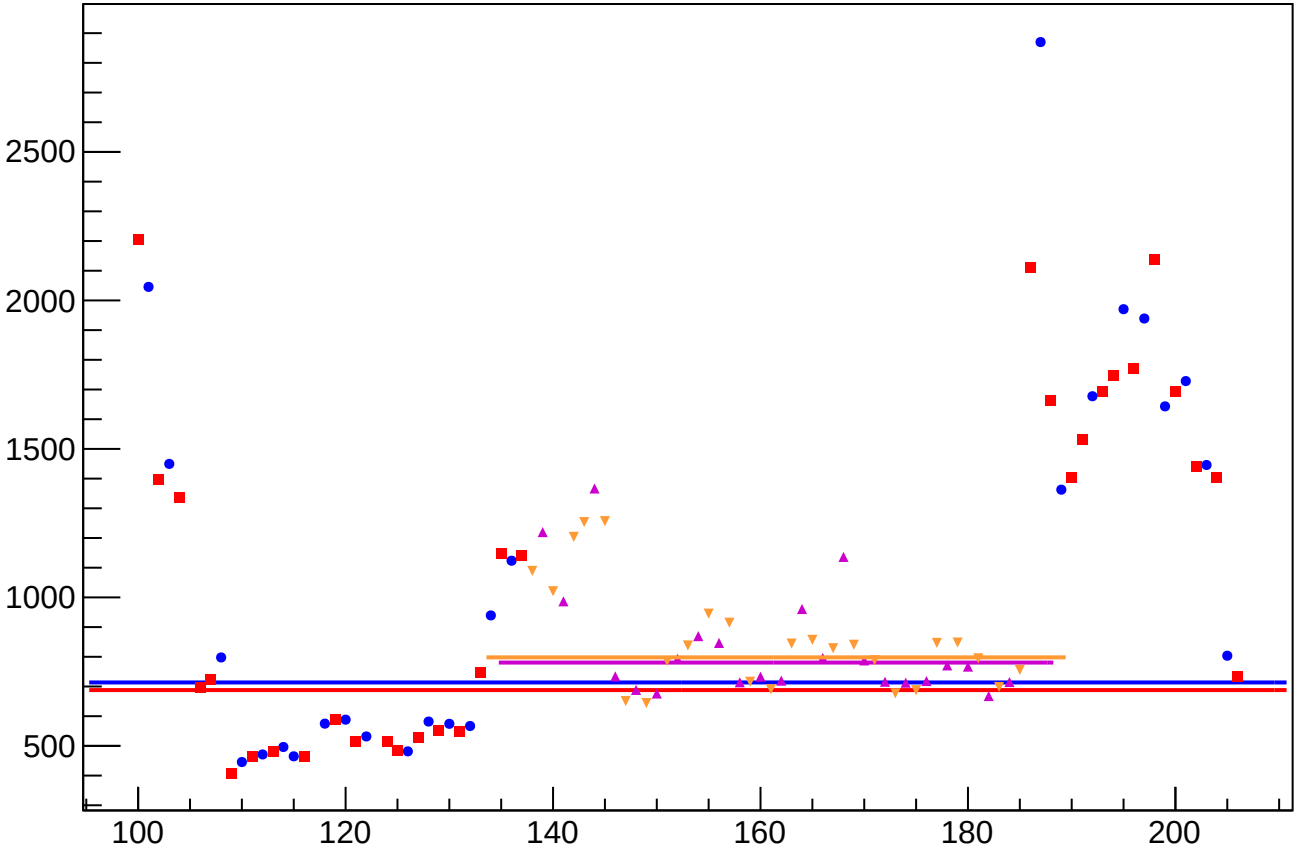
Left In: -67.157+/-185.436 χ^2/NDF:15.8/22

+ sign -433.333+/-141.062 χ^2/NDF: 95.9/49

All: -327.873+/-97.483 χ^2/NDF: 144.1/103

- sign -231.469+/-134.869 χ^2/NDF: 47.2/53

asym_atr1_eigen_dit_correction_rms vs Slug



Right In: 713.602+/-0.154 χ^2/NDF: 6400269.0/24

Left Out: 798.092+/-0.131 χ^2/NDF:1168353.9/24

Right Out: 687.894+/-0.139 χ^2/NDF: 7724033.4/30

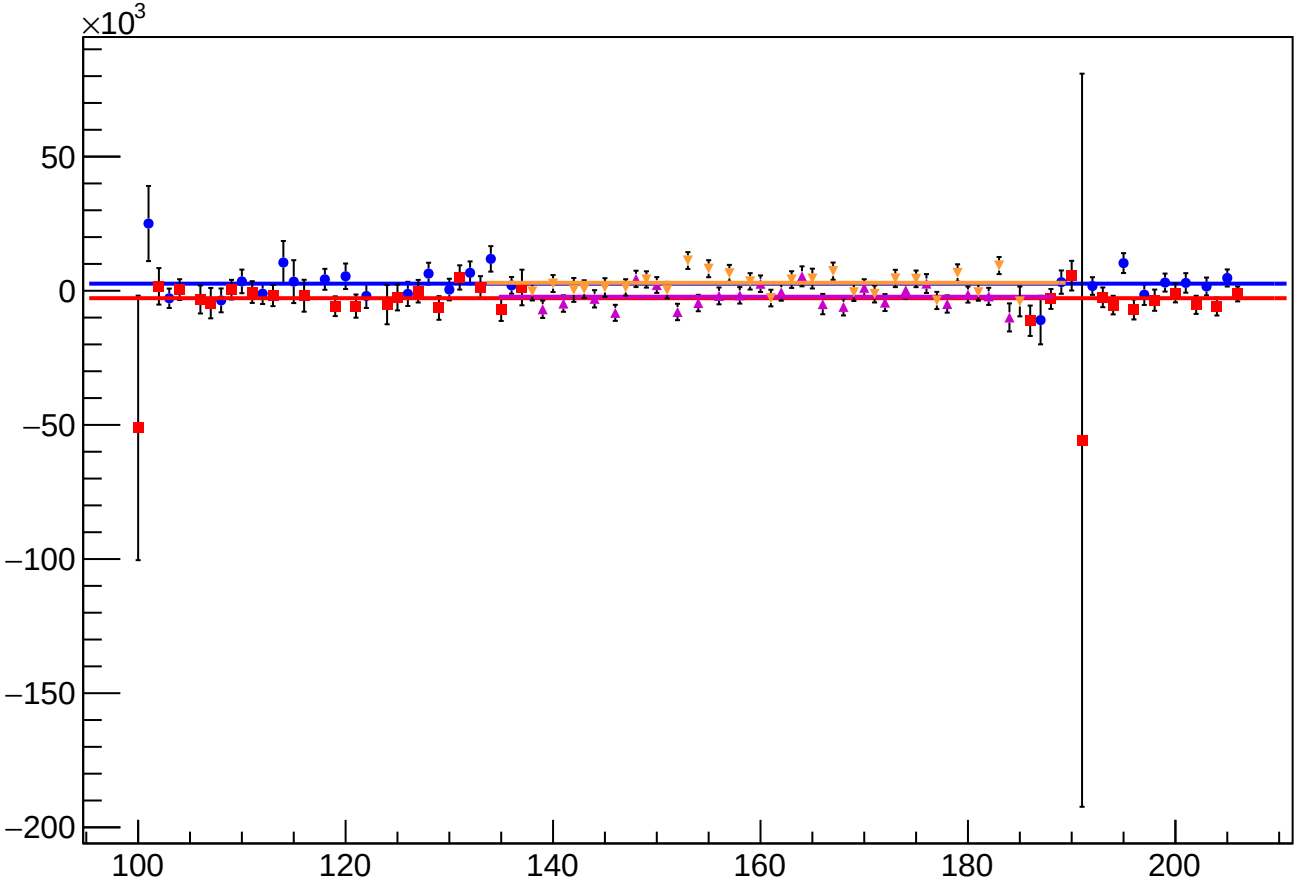
Left In: 780.525+/-0.131 χ^2/NDF:1064830.7/22

+ sign 762.722+/-0.100 χ^2/NDF: 7743245.4/49

All: 749.229+/-0.069 χ^2/NDF: 16802207.5/10

- sign 736.894+/-0.095 χ^2/NDF: 9023934.4/53

asym_atr1_mean vs Slug



Right In: 2647.021+/-824.918 χ^2/NDF: 25.3/24

Left Out: 2969.337+/-653.286 χ^2/NDF:35.7/24

Right Out: -2771.734+/-770.876 χ^2/NDF: 19.4/30

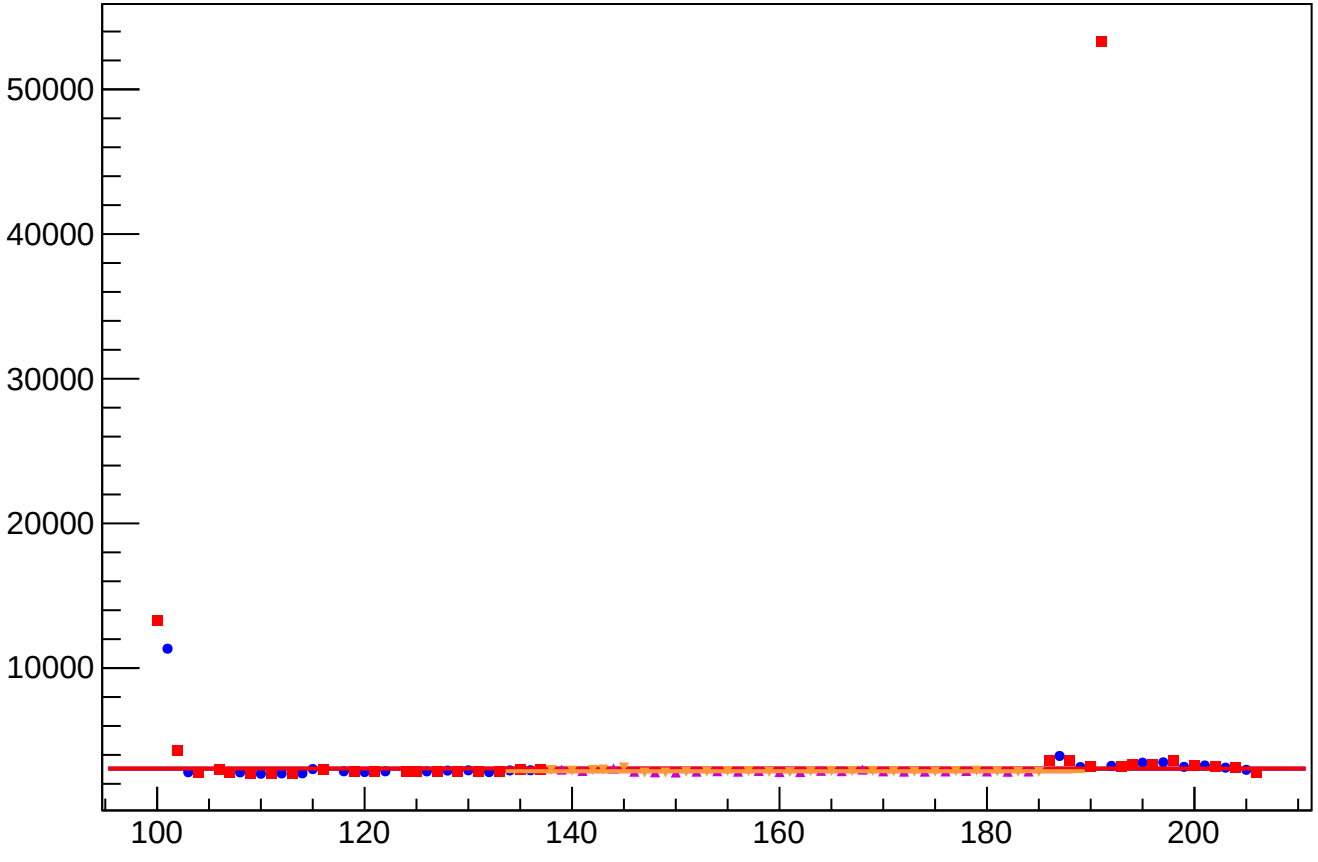
Left In: -2237.495+/-670.327 χ^2/NDF:33.8/22

+ sign 2845.105+/-512.138 χ^2/NDF: 61.1/49

All: 155.886+/-359.886 χ^2/NDF: 169.0/103

- sign -2467.523+/-505.833 χ^2/NDF: 53.4/53

asym_atr1_rms vs Slug



Right In: 3047.745+/-0.583 χ^2/NDF: 868221.4/24

Left Out: 2874.933+/-0.462 χ^2/NDF:21788.8/24

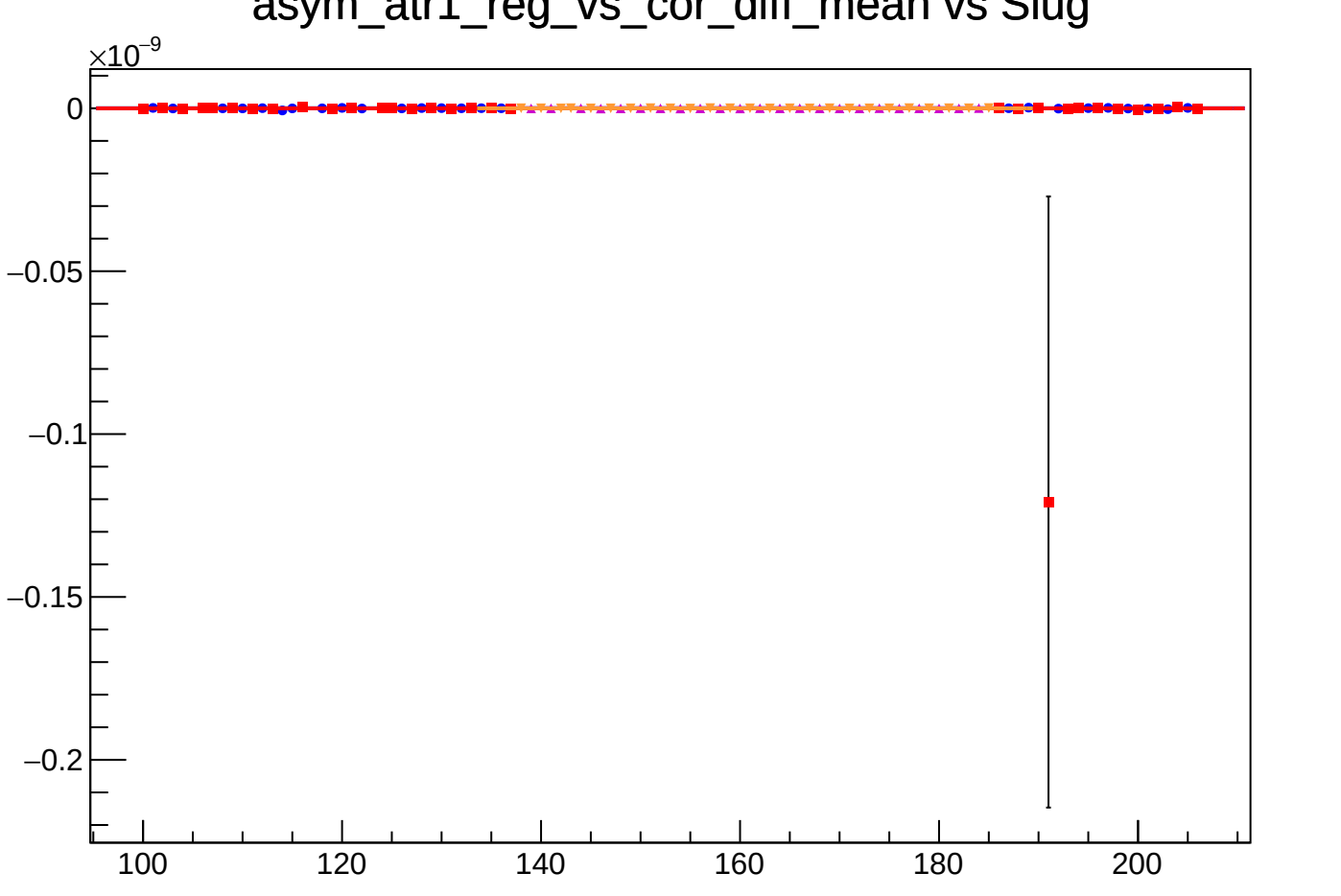
Right Out: 3059.914+/-0.545 χ^2/NDF: 733799.4/30

Left In: 2870.153+/-0.474 χ^2/NDF:17687.5/22

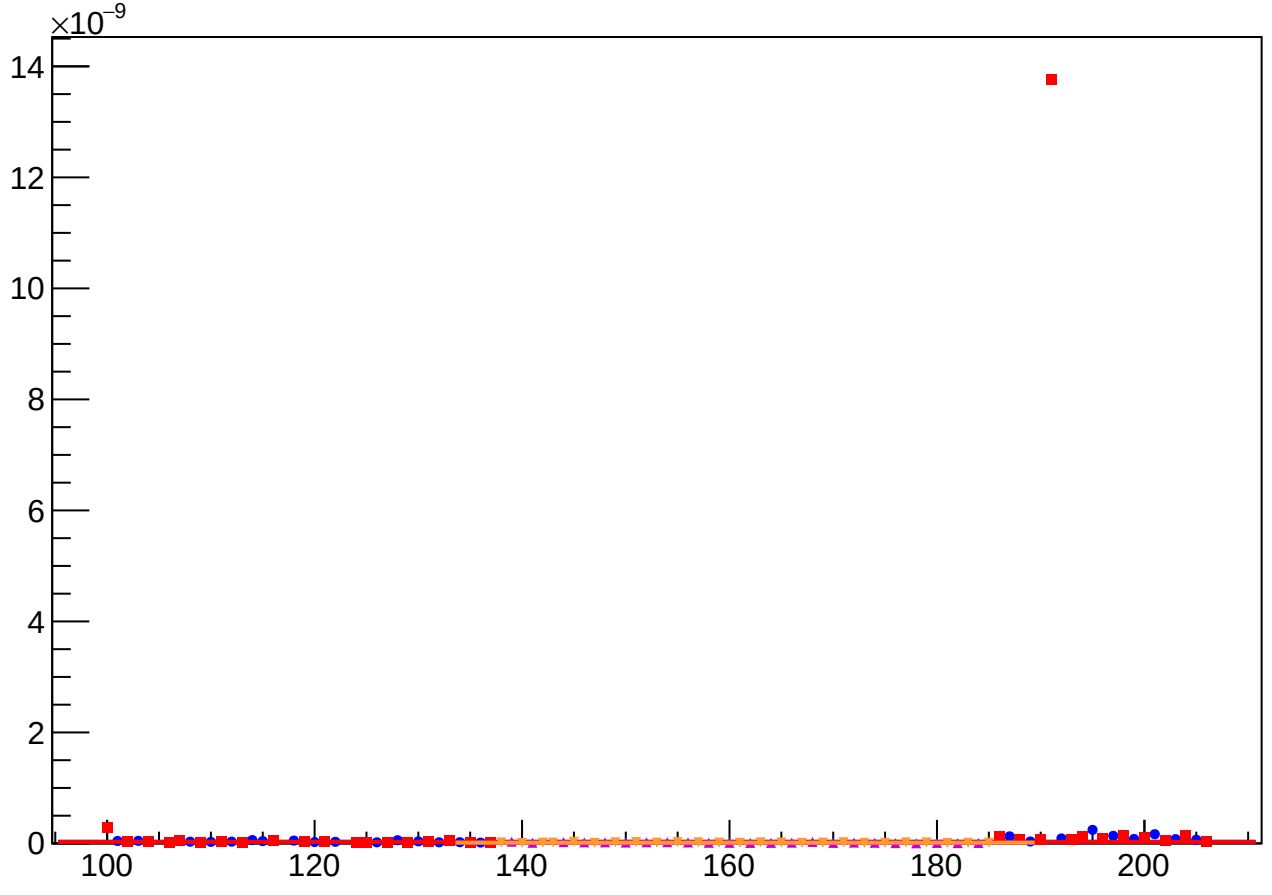
+ sign 2941.541+/-0.362 χ^2/NDF: 943951.4/49

All: 2946.764+/-0.254 χ^2/NDF: 1764860.2/10

- sign 2951.859+/-0.358 χ^2/NDF: 820497.9/53


asym_atr1_reg_vs_cor_diff_mean vs Slug
×10^−9
0
−0.05
−0.1
−0.15
−0.2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 18.9/24
Left Out: 0.000+/-0.000 χ²/NDF:14.4/24
Right Out: -0.000+/-0.000 χ²/NDF: 40.1/30
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
+ sign 0.000+/-0.000 χ²/NDF: 34.7/49
All: 0.000+/-0.000 χ²/NDF: 104.1/103
- sign 0.000+/-0.000 χ²/NDF: 69.4/53

asym_atr1_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3595164.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1210269.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3508270.9/30

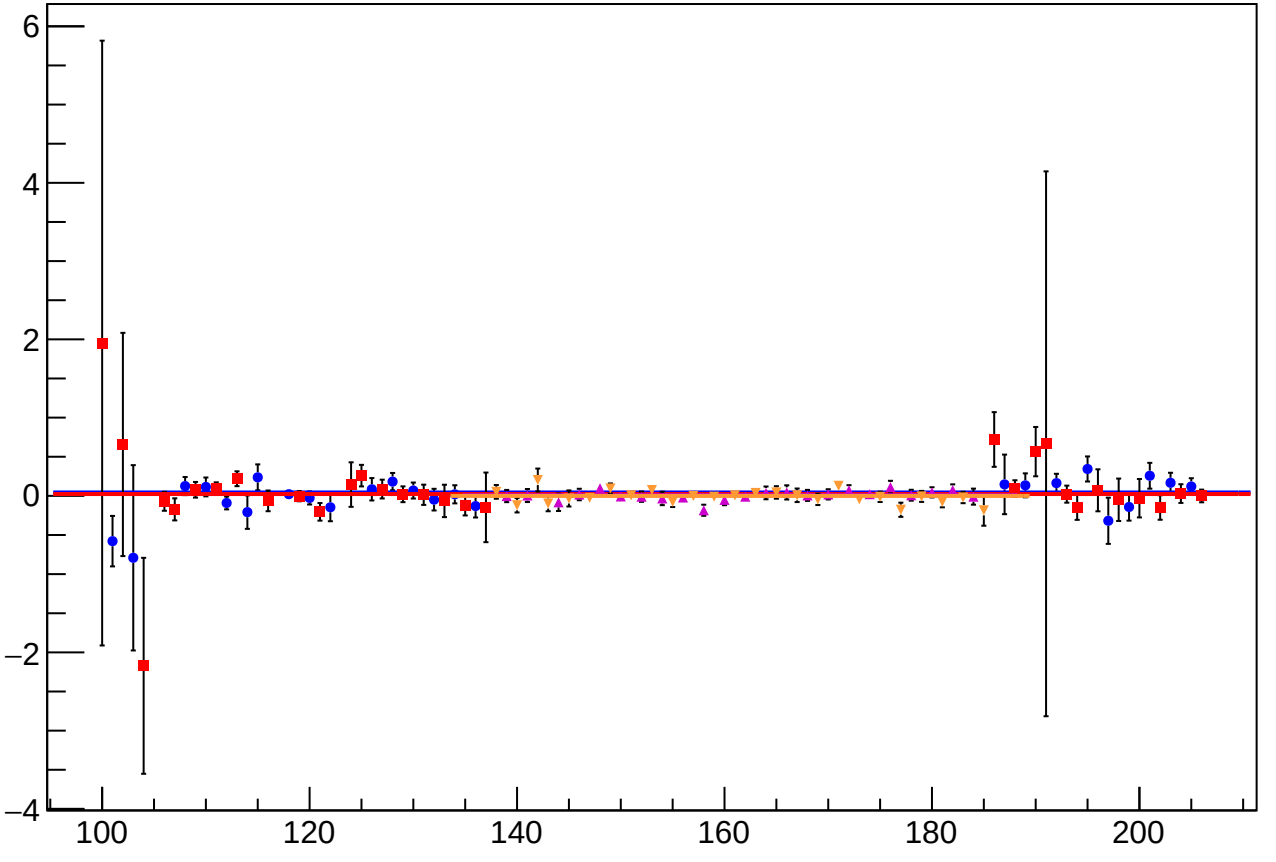
Left In: 0.000+/-0.000 χ^2/NDF:3166775.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 6763561.5/49

All: 0.000+/-0.000 χ^2/NDF: 16150854.9/103

- sign 0.000+/-0.000 χ^2/NDF: 9127473.7/53

asym_atr1_dit_vs_cor_diff_mean vs Slug



Right In: 0.043+/-0.024 χ^2/NDF: 26.8/24

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.023+/-0.024 χ^2/NDF: 30.8/30

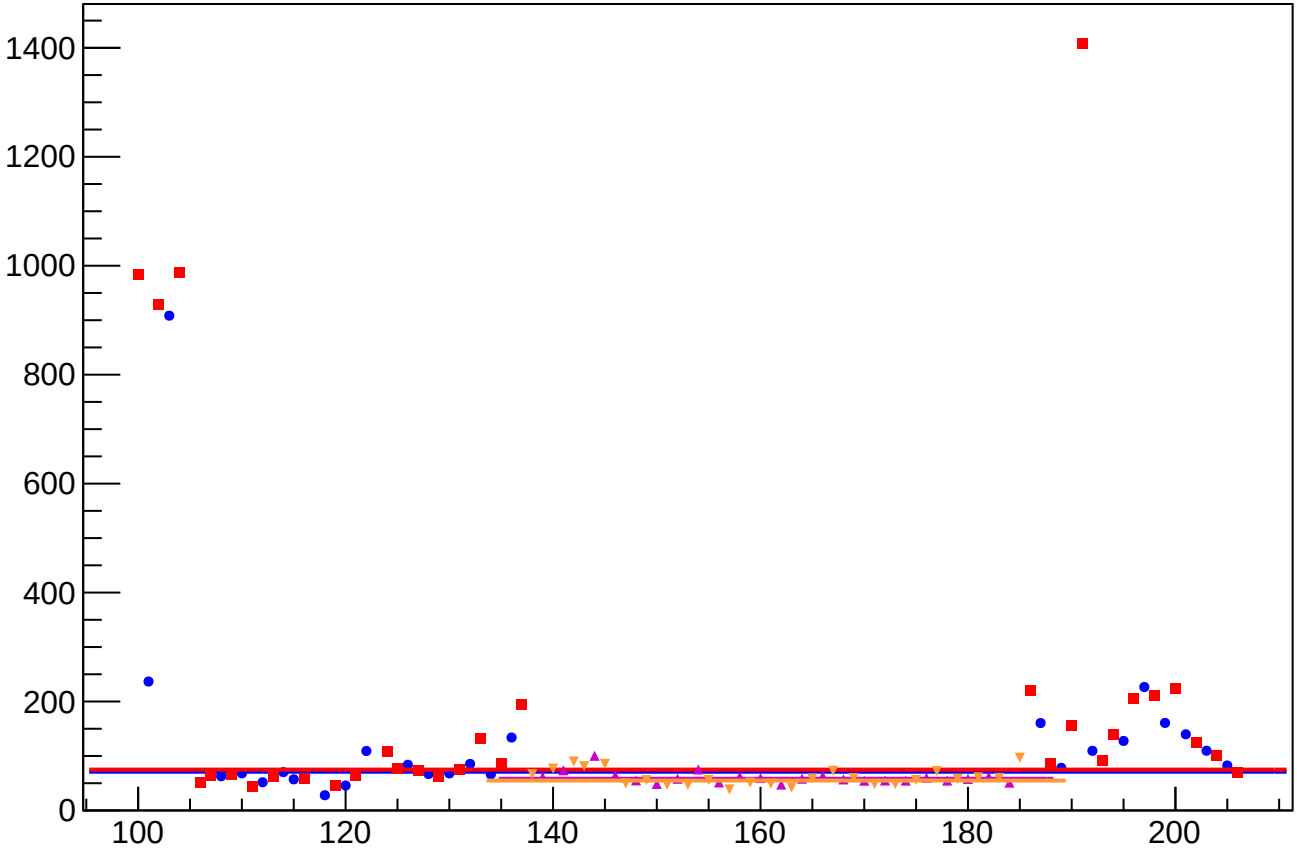
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.011+/-0.012 χ^2/NDF: 51.8/49

All: 0.012+/-0.009 χ^2/NDF: 98.4/103

- sign 0.012+/-0.013 χ^2/NDF: 46.6/53

asym_atr1_dit_vs_cor_diff_rms vs Slug



Right In: 71.064+/-0.017 χ^2/NDF: 5885229.7/24

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 74.993+/-0.017 χ^2/NDF: 6236318.7/30

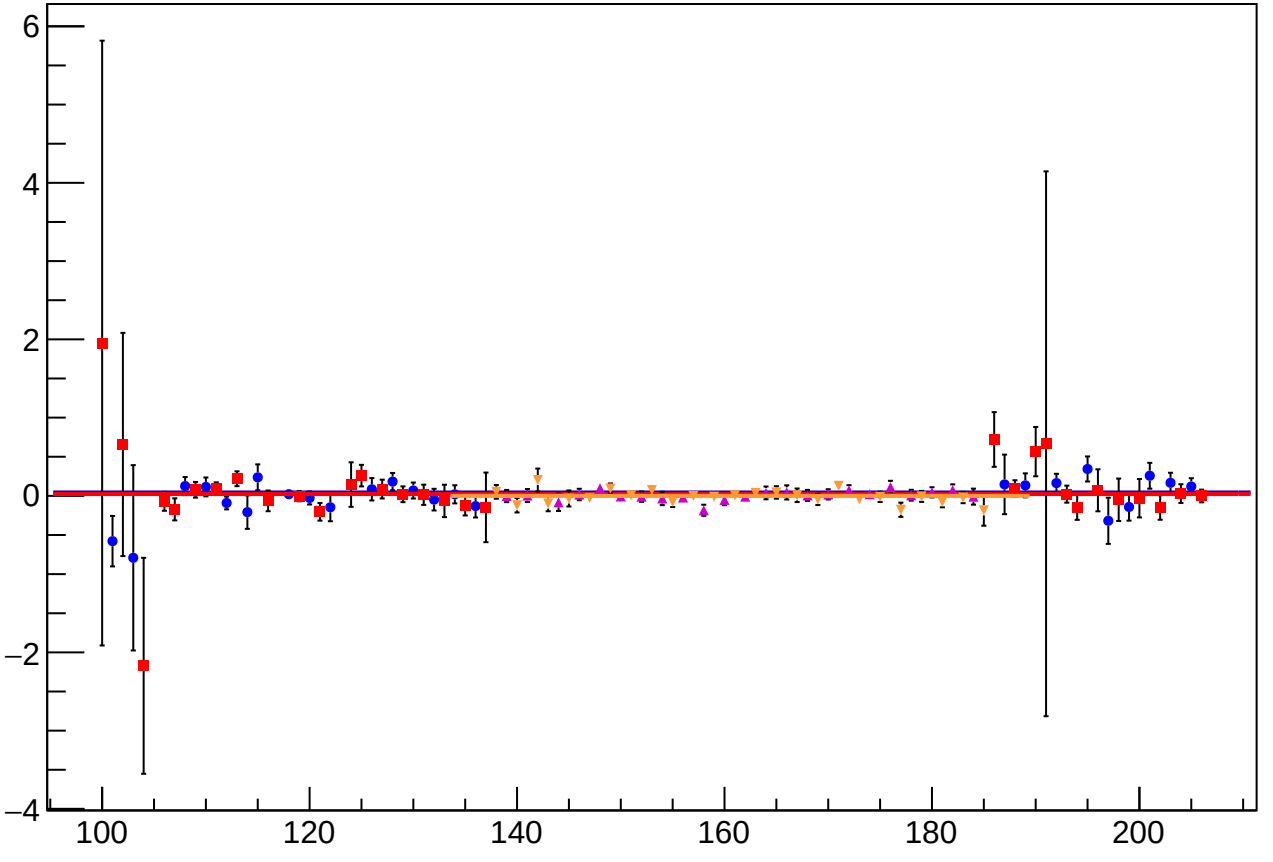
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.972+/-0.009 χ^2/NDF: 7839217.1/49

All: 60.900+/-0.006 χ^2/NDF: 15571105.0/103

- sign 62.939+/-0.009 χ^2/NDF: 7629098.5/53

asym_atr1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043+/-0.024 χ^2/NDF: 26.8/24

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.023+/-0.024 χ^2/NDF: 30.8/30

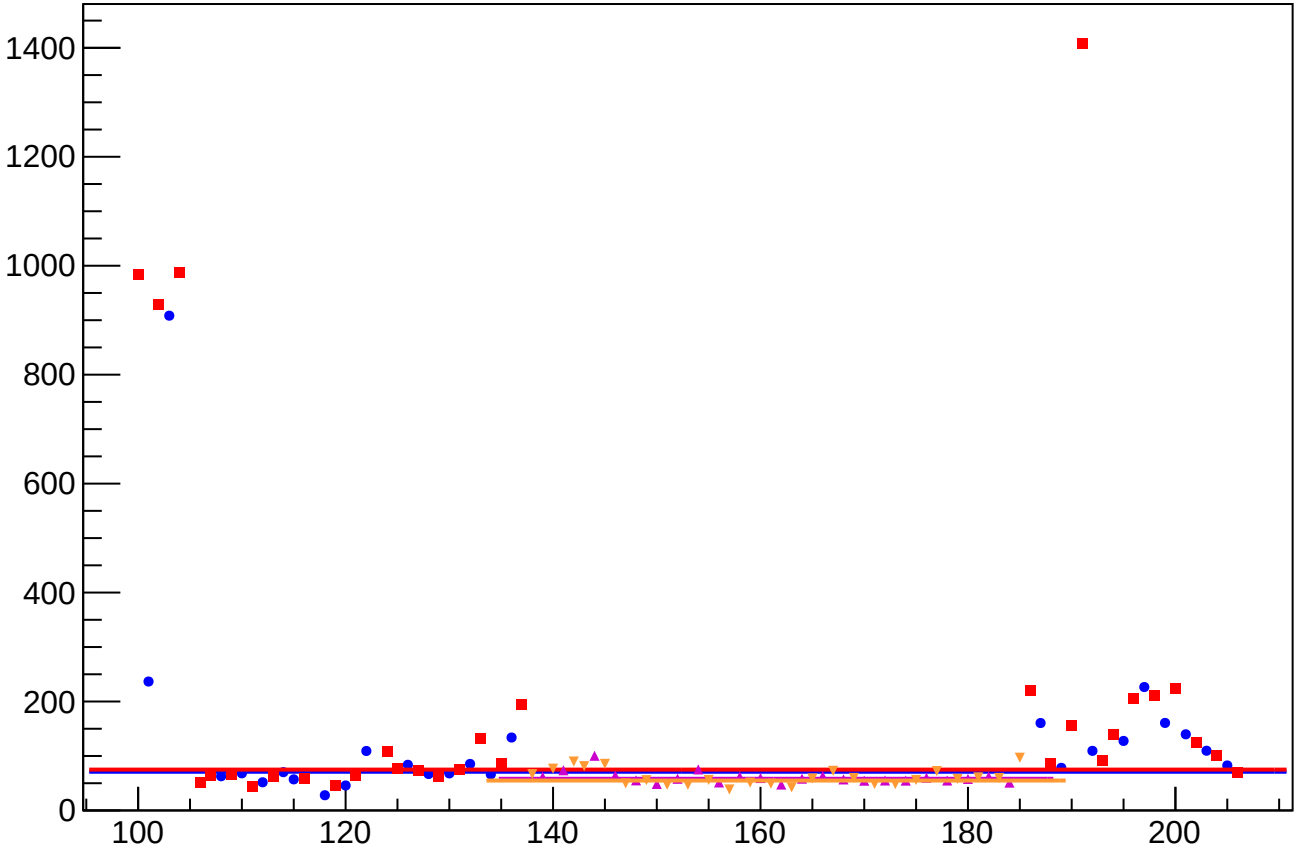
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.011+/-0.012 χ^2/NDF: 51.8/49

All: 0.012+/-0.009 χ^2/NDF: 98.4/103

- sign 0.012+/-0.013 χ^2/NDF: 46.6/53

asym_atr1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.064+/-0.017 χ^2/NDF: 5885229.7/24

Left Out: 54.931+/-0.010 χ^2/NDF:1297647.2/24

Right Out: 74.993+/-0.017 χ^2/NDF: 6236318.7/30

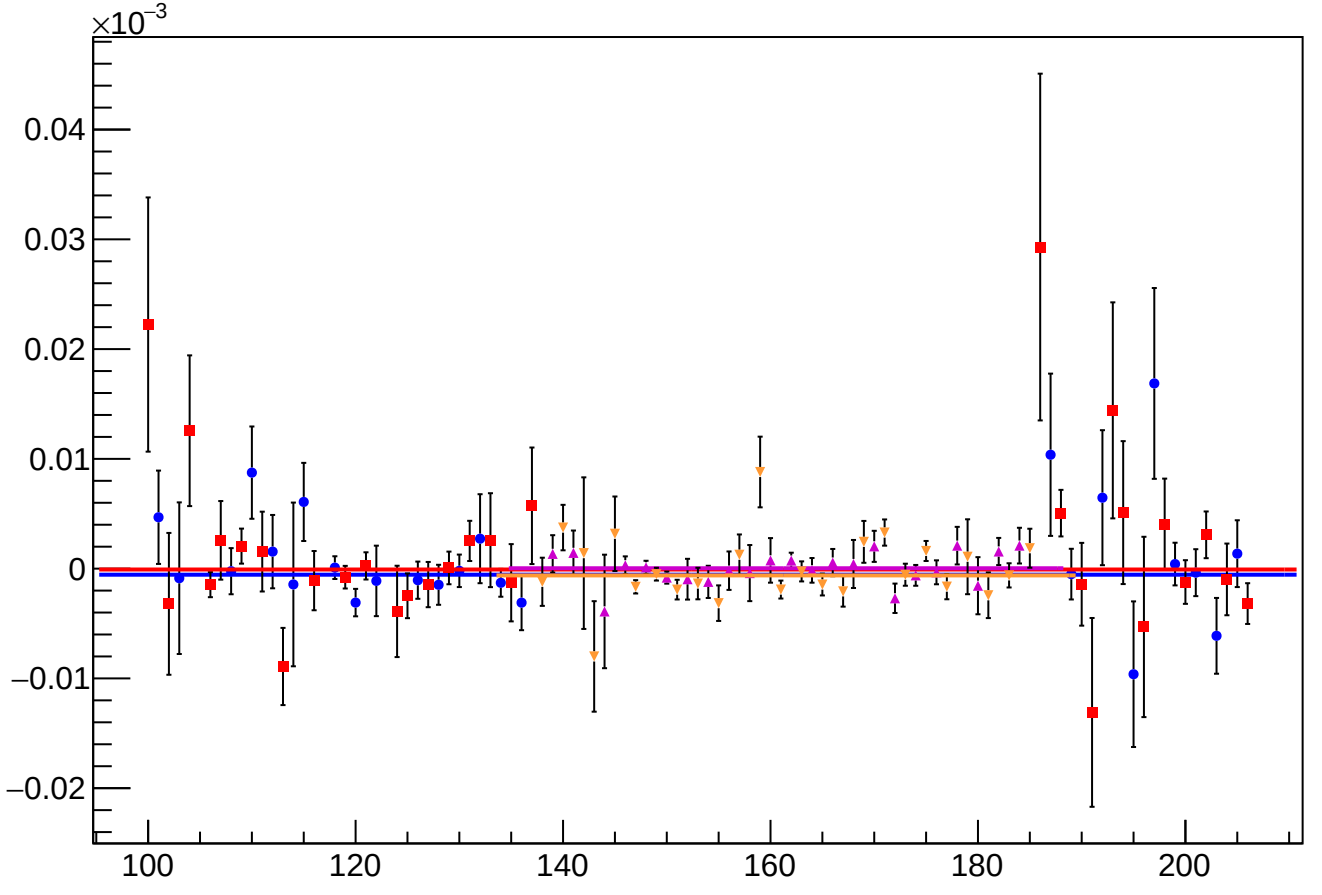
Left In: 58.138+/-0.010 χ^2/NDF:657436.9/22

+ sign 58.972+/-0.009 χ^2/NDF: 7839217.1/49

All: 60.900+/-0.006 χ^2/NDF: 15571105.0/103

- sign 62.939+/-0.009 χ^2/NDF: 7629098.5/53

asym_atr1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 29.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:52.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 46.1/30

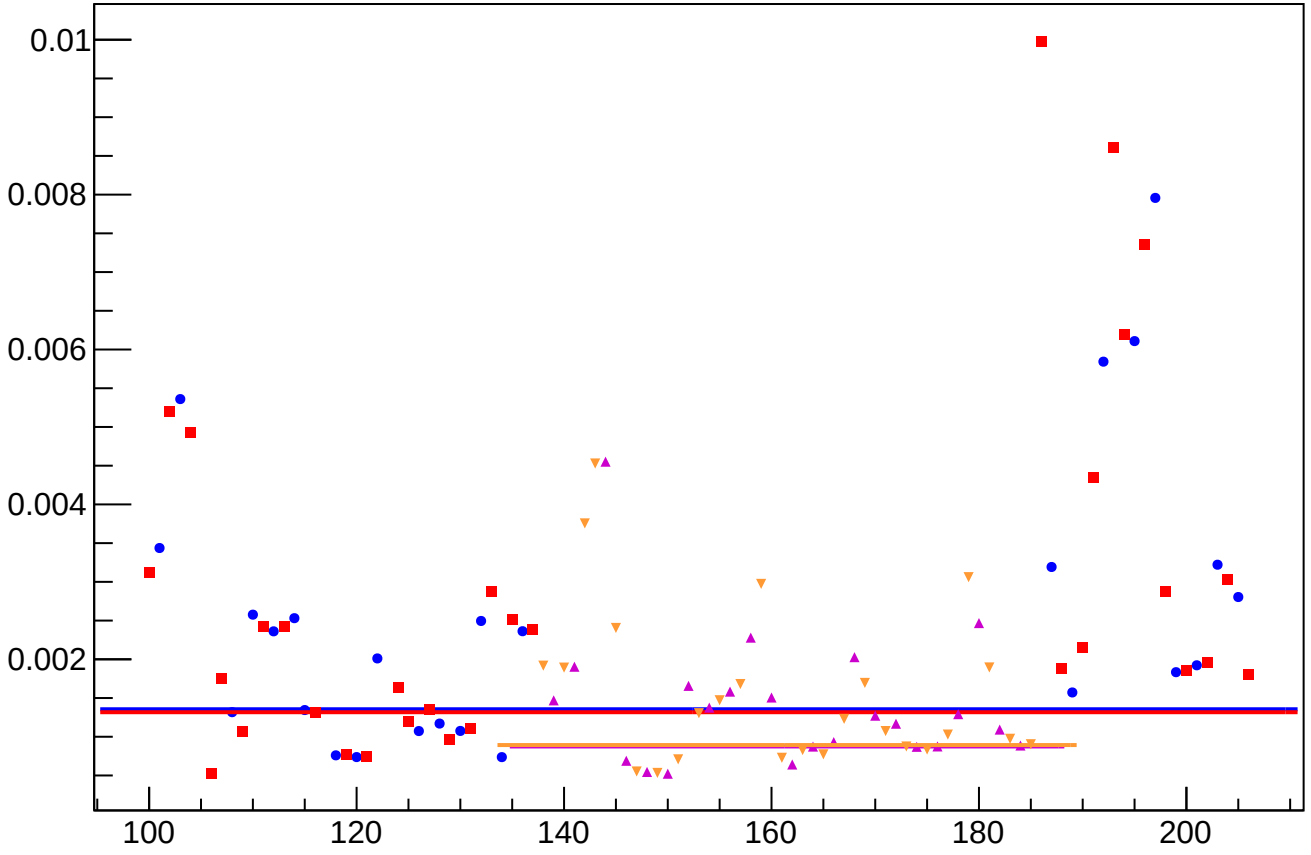
Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 82.7/49

All: -0.000+/-0.000 χ^2/NDF: 151.4/103

- sign 0.000+/-0.000 χ^2/NDF: 64.3/53

asym_atr1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8577072.6/24

Left Out: 0.001+/-0.000 χ^2/NDF:7739119.9/24

Right Out: 0.001+/-0.000 χ^2/NDF: 10179972.1/30

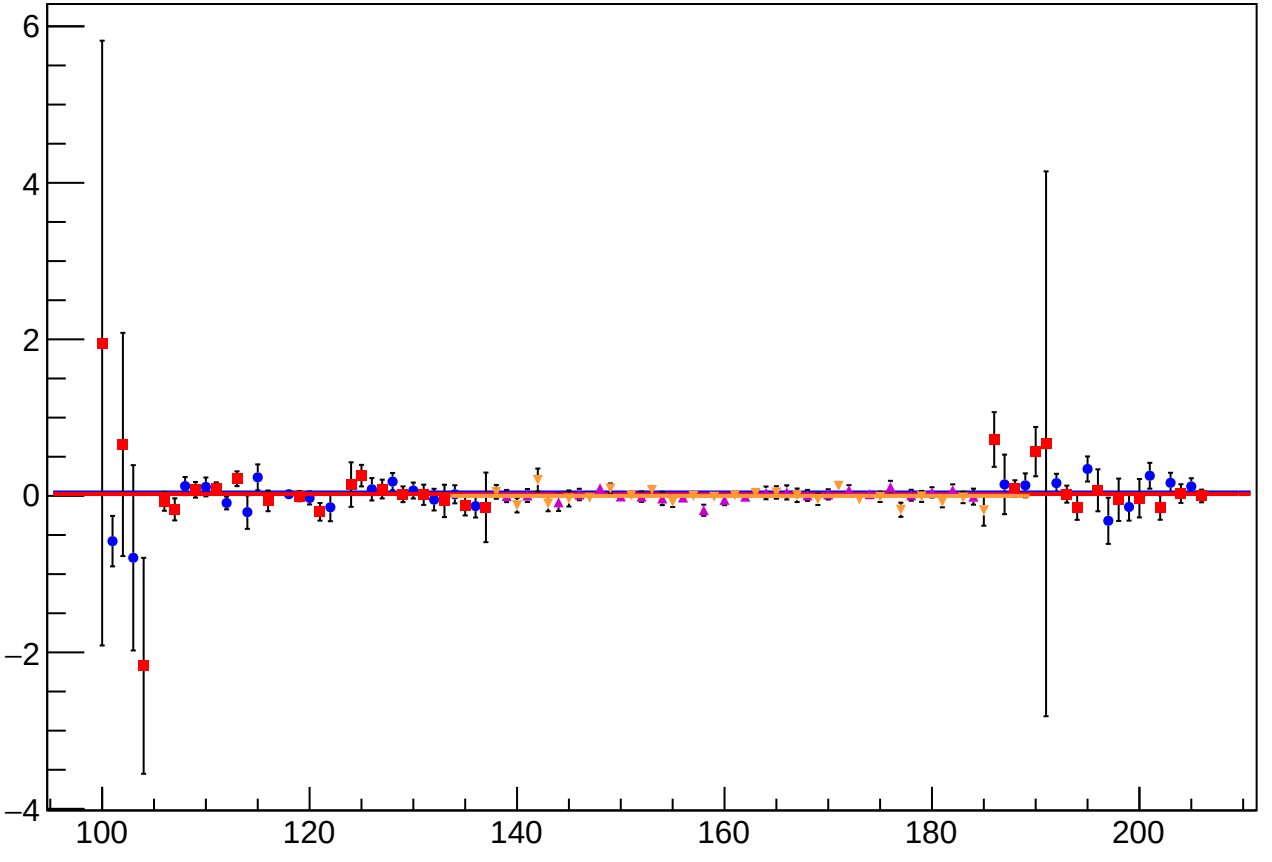
Left In: 0.001+/-0.000 χ^2/NDF:6963716.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 18023893.2/49

All: 0.001+/-0.000 χ^2/NDF: 36905550.2/103

- sign 0.001+/-0.000 χ^2/NDF: 18879769.5/53

asym_atr1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.043+/-0.024 χ^2/NDF: 26.8/24

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.023+/-0.024 χ^2/NDF: 30.8/30

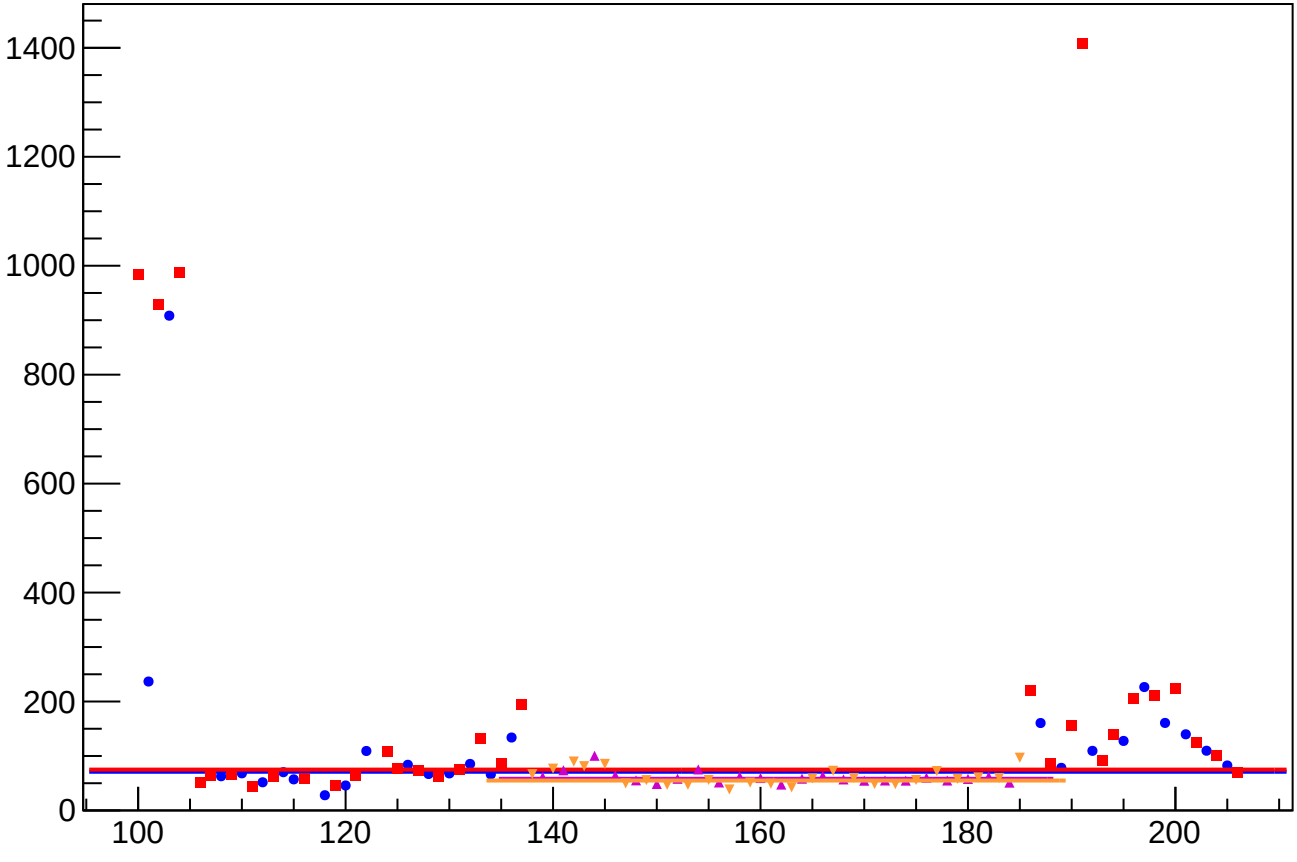
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.011+/-0.012 χ^2/NDF: 51.8/49

All: 0.012+/-0.009 χ^2/NDF: 98.4/103

- sign 0.012+/-0.013 χ^2/NDF: 46.6/53

asym_atr1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 71.063+/-0.017 χ^2/NDF: 5885377.3/24

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 74.993+/-0.017 χ^2/NDF: 6236345.7/30

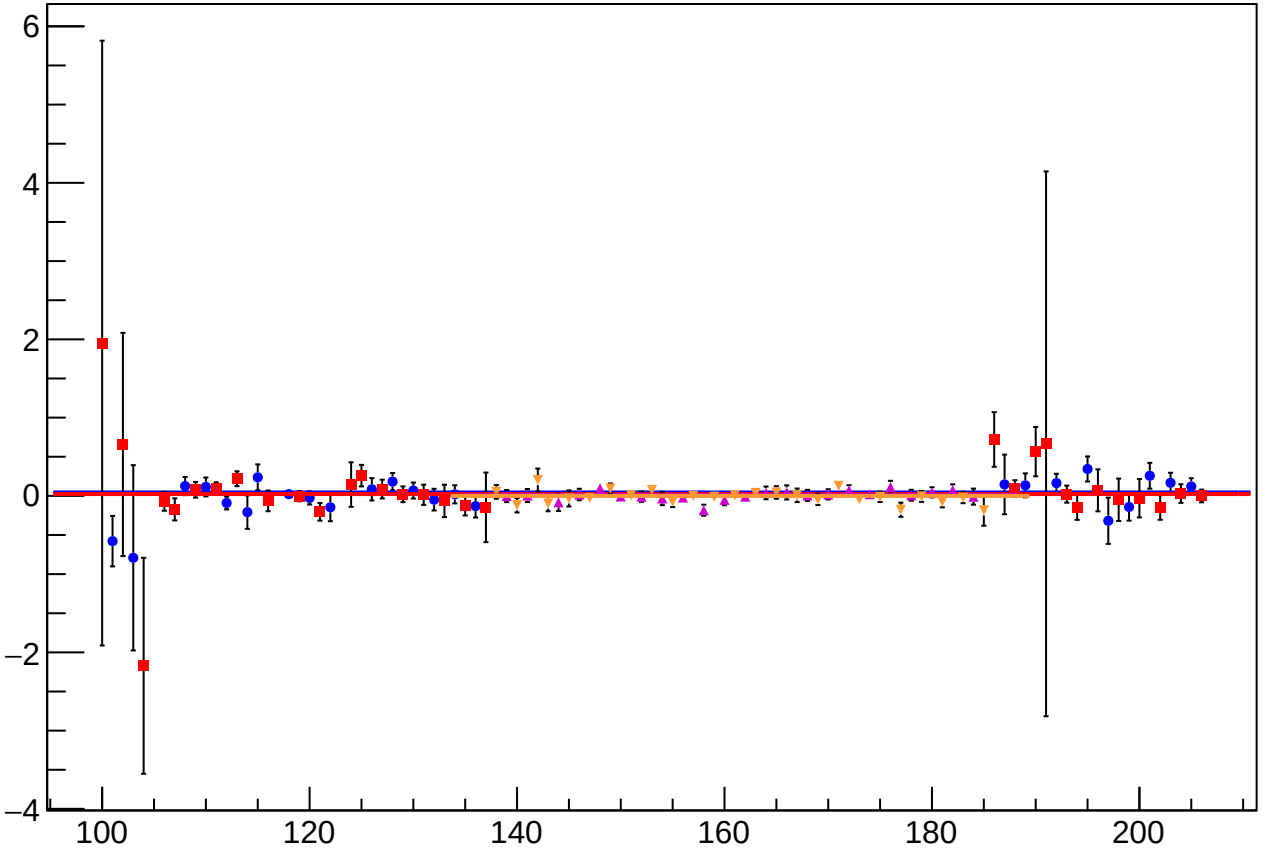
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.971+/-0.009 χ^2/NDF: 7839417.8/49

All: 60.900+/-0.006 χ^2/NDF: 15571363.7/103

- sign 62.939+/-0.009 χ^2/NDF: 7629130.6/53

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.043+/-0.024 χ^2/NDF: 26.8/24

Left Out: -0.000+/-0.014 χ^2/NDF:22.6/24

Right Out: 0.023+/-0.024 χ^2/NDF: 30.8/30

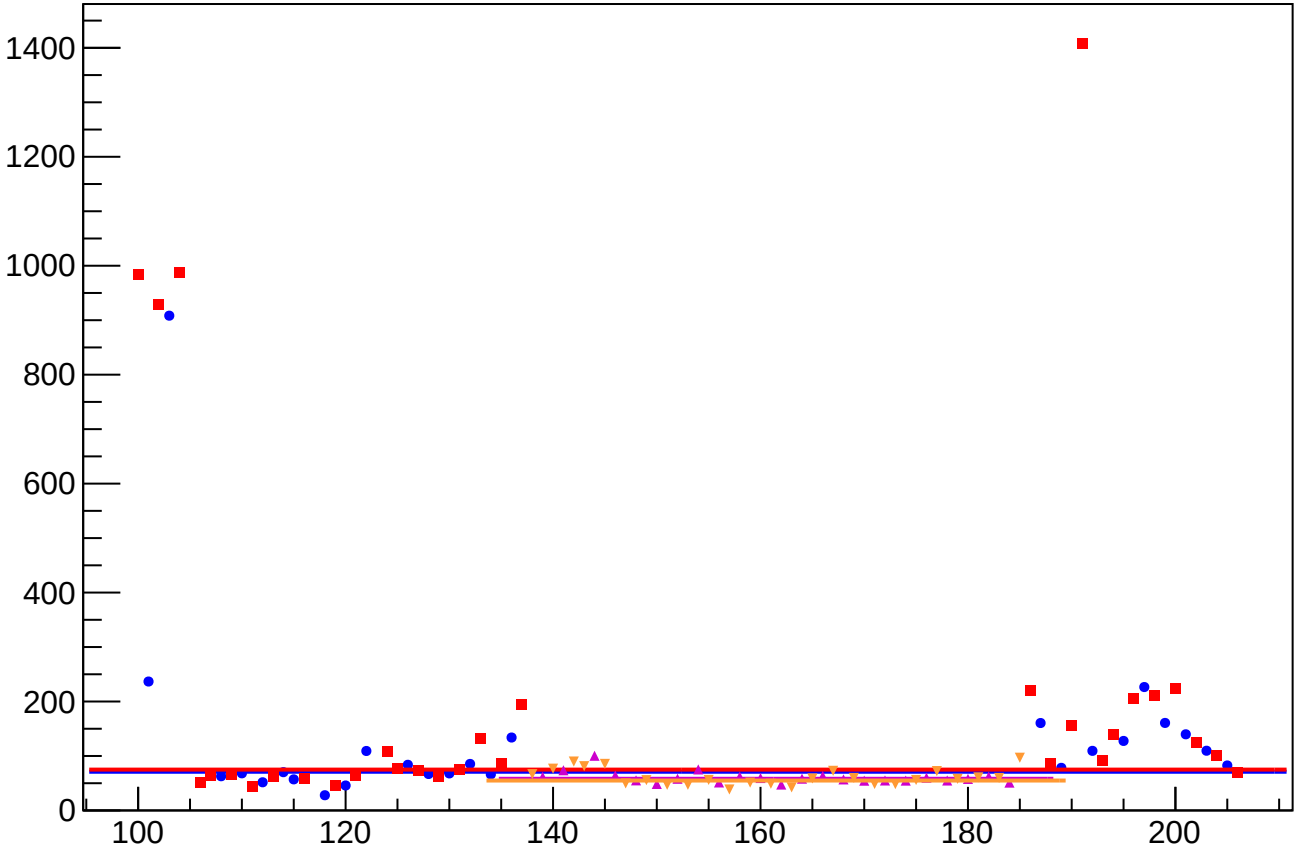
Left In: 0.008+/-0.015 χ^2/NDF:15.5/22

+ sign 0.011+/-0.012 χ^2/NDF: 51.8/49

All: 0.012+/-0.009 χ^2/NDF: 98.4/103

- sign 0.012+/-0.013 χ^2/NDF: 46.6/53

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.063+/-0.017 χ^2/NDF: 5885377.3/24

Left Out: 54.930+/-0.010 χ^2/NDF:1297722.9/24

Right Out: 74.993+/-0.017 χ^2/NDF: 6236345.7/30

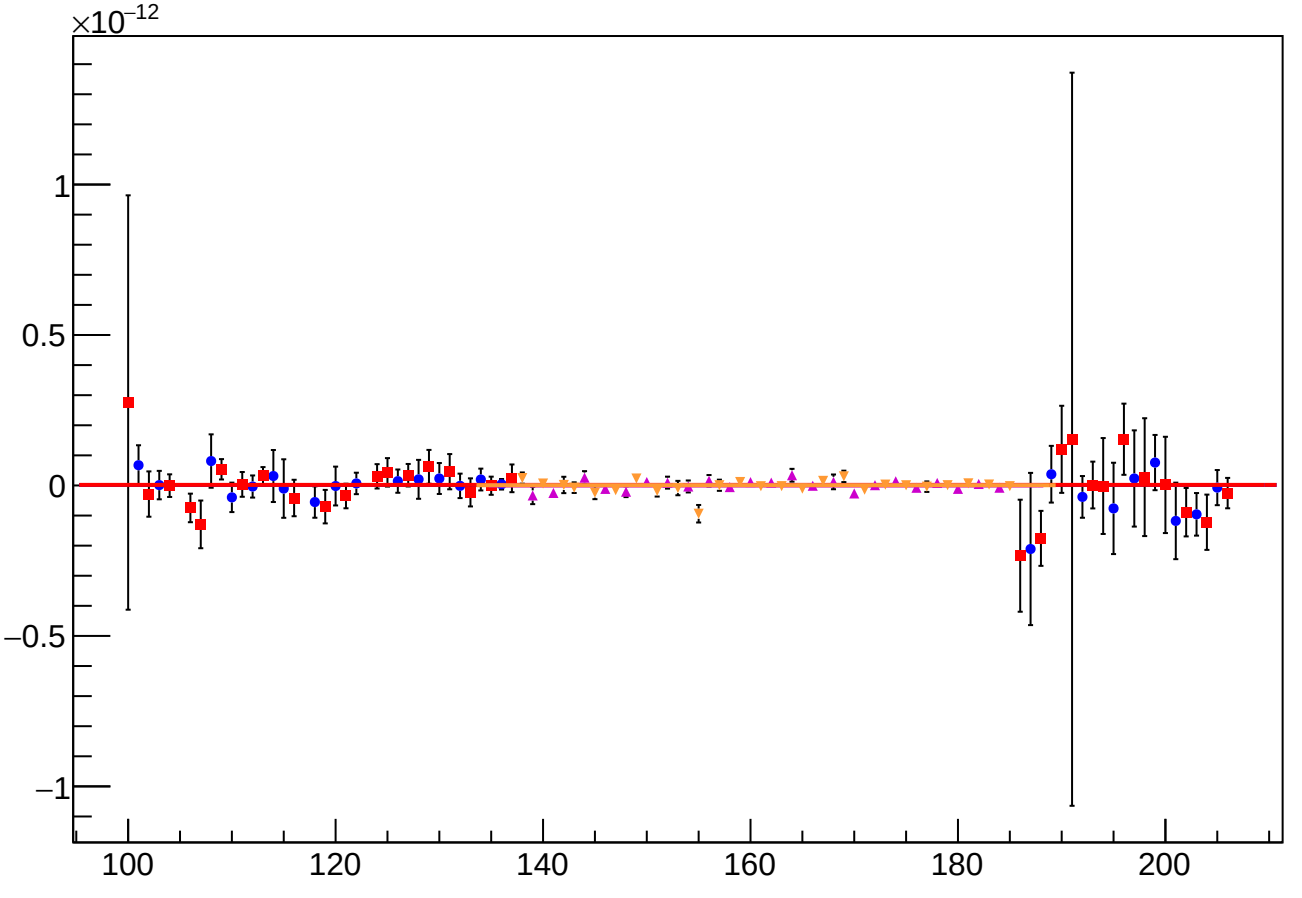
Left In: 58.138+/-0.010 χ^2/NDF:657460.3/22

+ sign 58.971+/-0.009 χ^2/NDF: 7839417.8/49

All: 60.900+/-0.006 χ^2/NDF: 15571363.7/103

- sign 62.939+/-0.009 χ^2/NDF: 7629130.6/53

asym_atr1_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.5/30

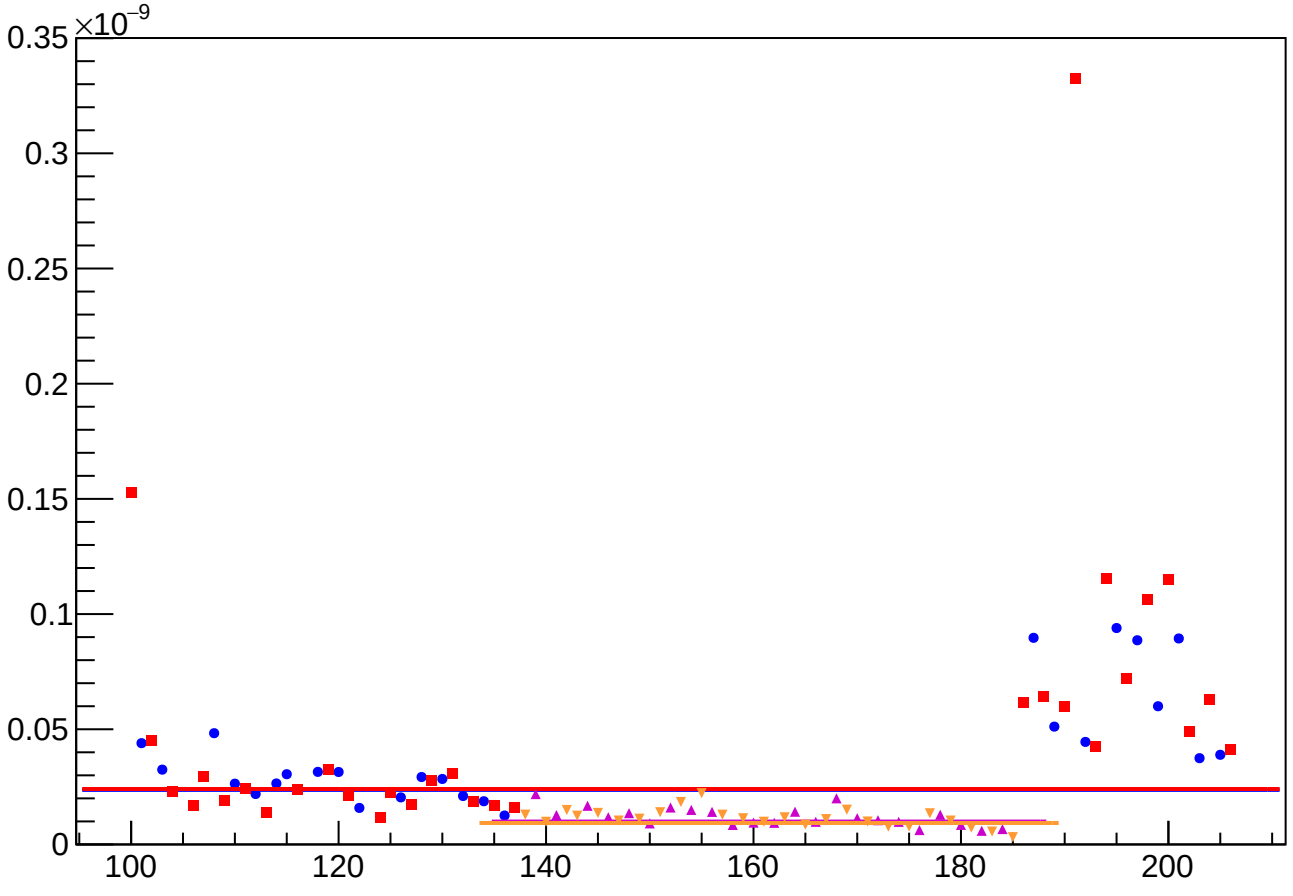
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 34.8/49

All: 0.000+/-0.000 χ^2/NDF: 82.6/103

- sign -0.000+/-0.000 χ^2/NDF: 47.8/53

asym_atr1_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3807241.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3070809.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4716829.2/30

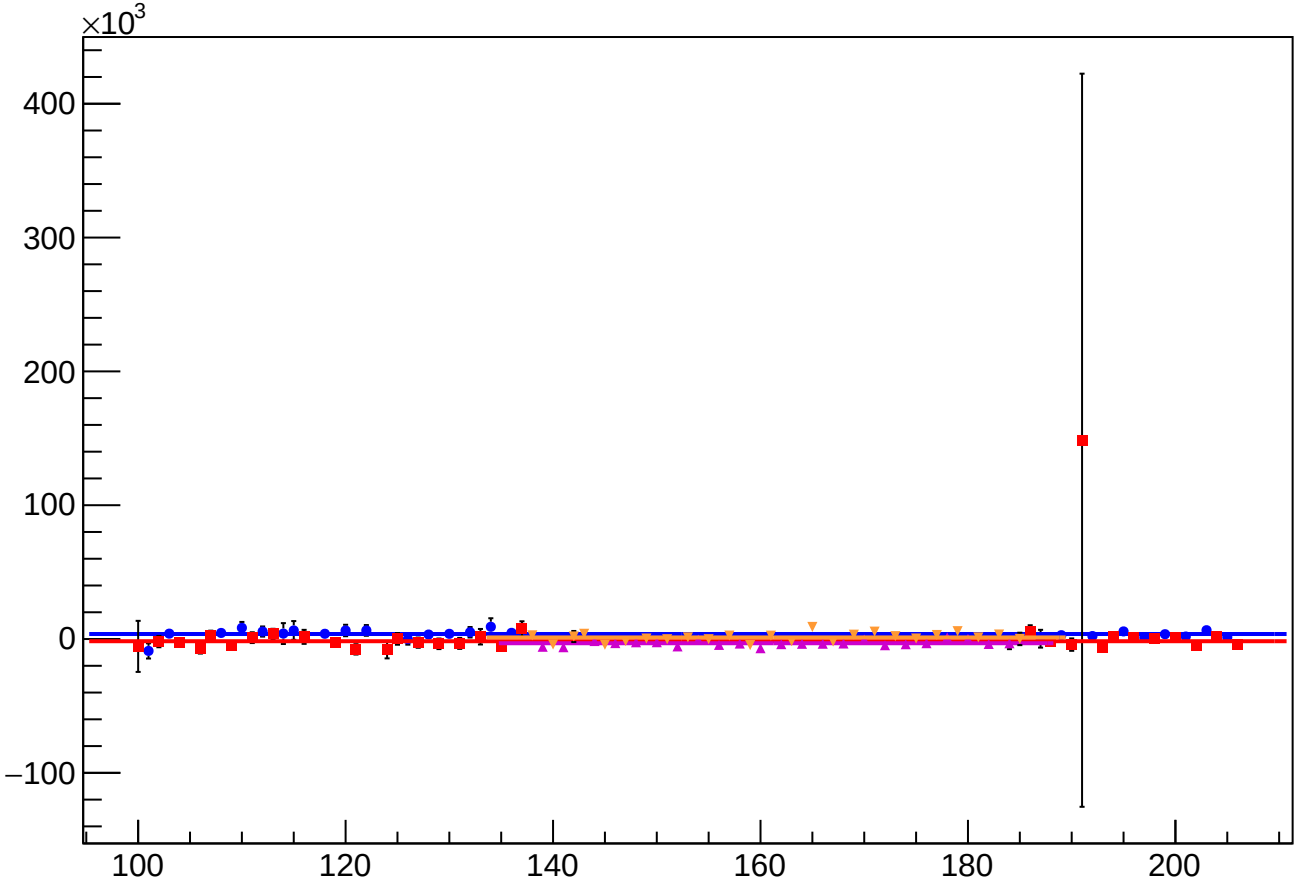
Left In: 0.000+/-0.000 χ^2/NDF:2573277.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10931103.1/49

All: 0.000+/-0.000 χ^2/NDF: 22302298.5/103

- sign 0.000+/-0.000 χ^2/NDF: 11291409.3/53

reg_asym_atr2_mean vs Slug



Right In: 3753.188+/-709.596 χ^2/NDF: 12.9/24

Left Out: 1188.836+/-556.242 χ^2/NDF:31.1/24

Right Out: -1636.039+/-656.311 χ^2/NDF: 27.8/30

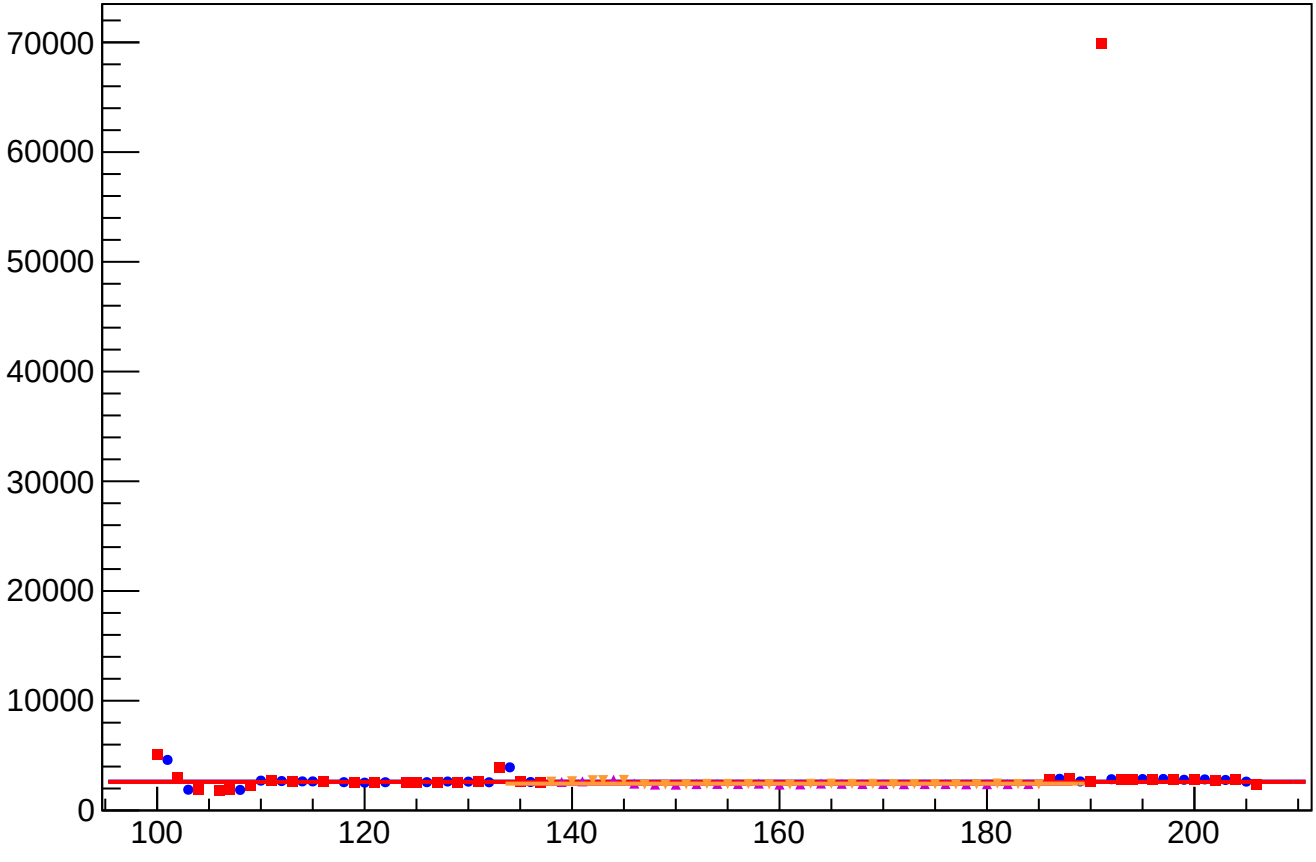
Left In: -3147.419+/-569.221 χ^2/NDF:12.7/22

+ sign 2164.839+/-437.772 χ^2/NDF: 52.1/49

All: -208.538+/-306.774 χ^2/NDF: 153.4/103

- sign -2498.592+/-430.019 χ^2/NDF: 43.5/53

reg_asym_atr2_rms vs Slug



Right In: 2631.795+/-0.502 χ^2/NDF: 700888.9/24

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2599.291+/-0.464 χ^2/NDF: 754901.9/30

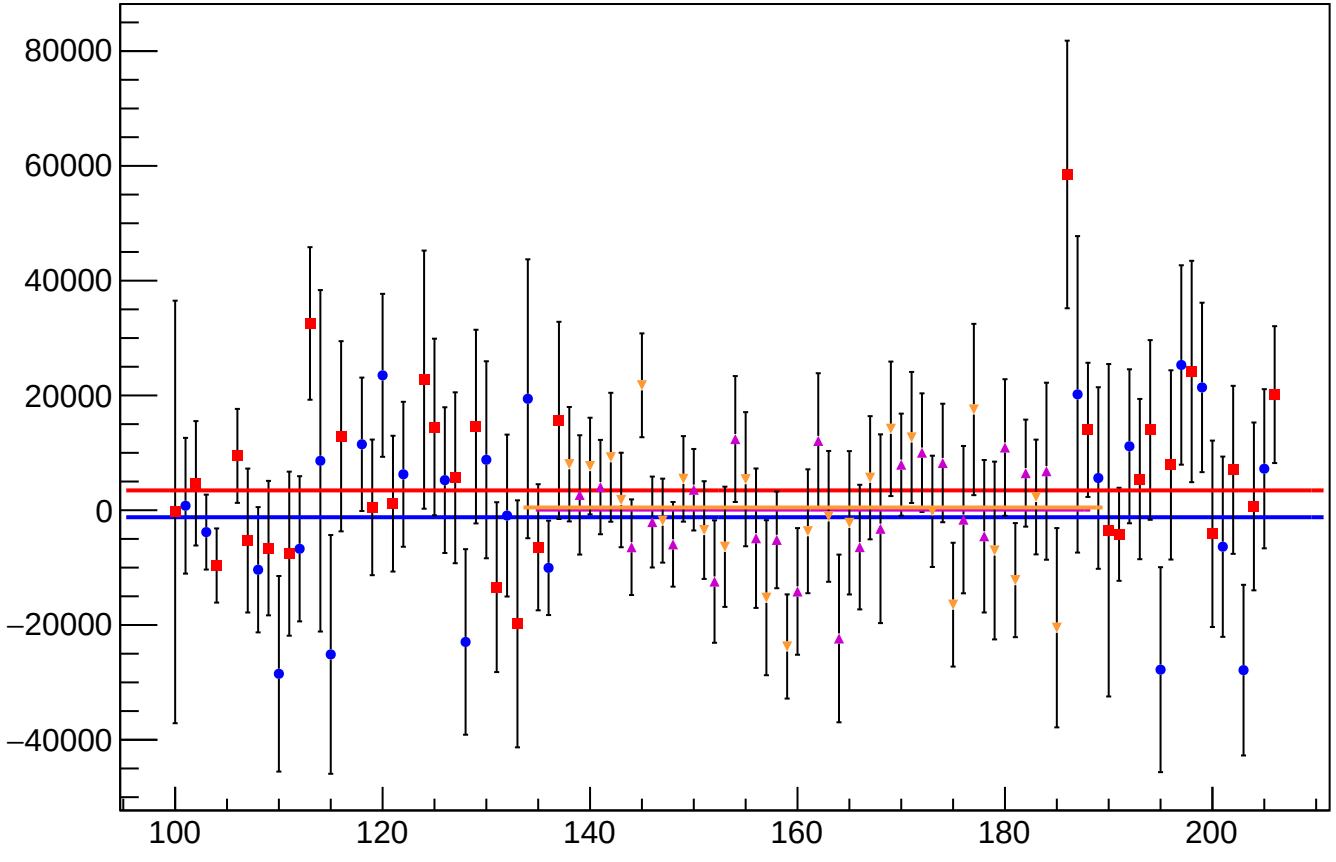
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2516.606+/-0.310 χ^2/NDF: 875990.4/49

All: 2511.245+/-0.217 χ^2/NDF: 1761370.8/10

- sign 2506.072+/-0.304 χ^2/NDF: 884790.9/53

asym_atr2_reg_correction_mean vs Slug



Right In: -1221.969+/-2659.338 χ^2/NDF: 26.2/24

Left Out: 477.187+/-2035.969 χ^2/NDF:27.4/24

Right Out: 3452.601+/-2330.086 χ^2/NDF: 28.5/30

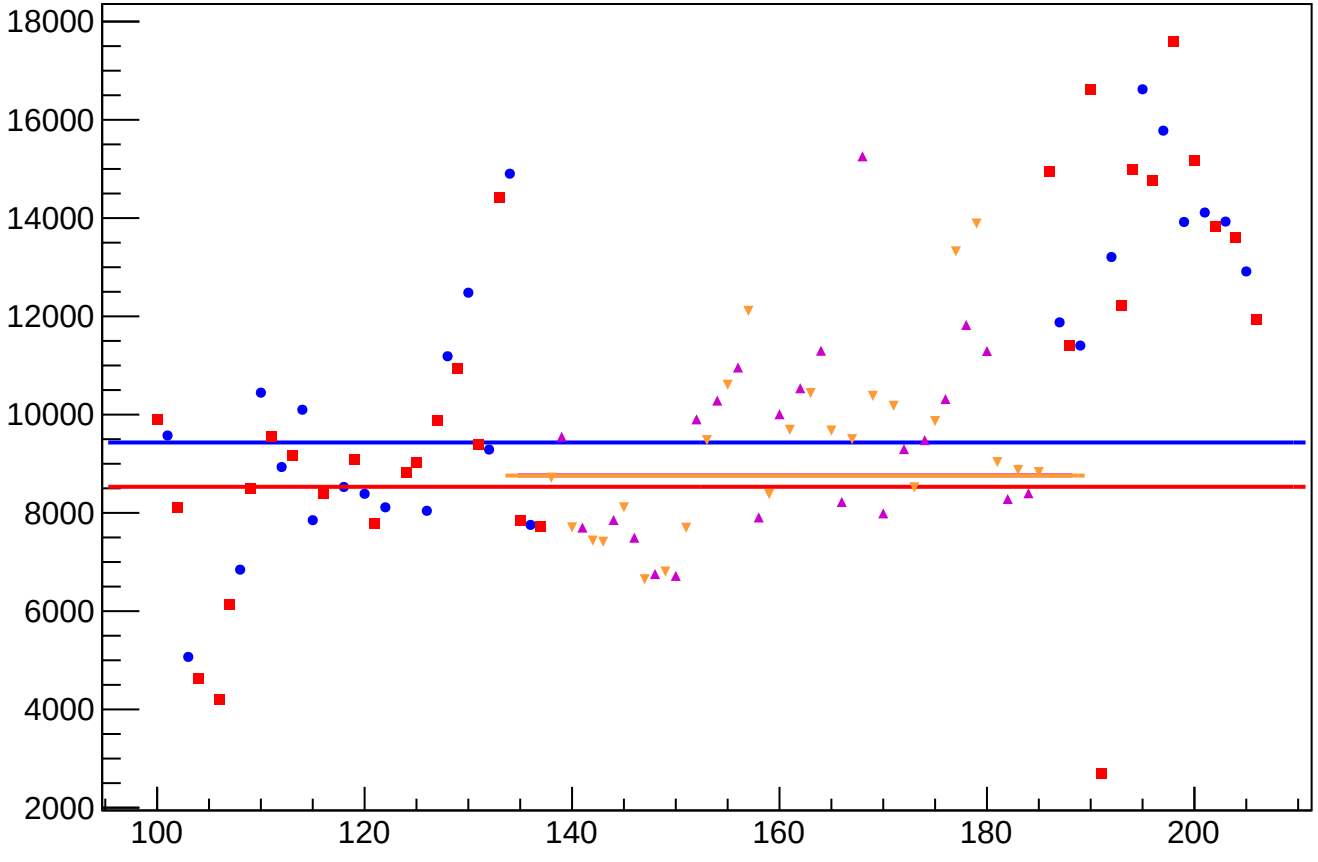
Left In: 104.954+/-2090.899 χ^2/NDF:14.5/22

+ sign -150.711+/-1616.596 χ^2/NDF: 53.8/49

All: 757.017+/-1121.144 χ^2/NDF: 98.5/103

- sign 1598.189+/-1556.203 χ^2/NDF: 44.1/53

asym_atr2_reg_correction_rms vs Slug



Right In: 9432.927+/-1.880 χ^2/NDF: 2837320.4/24

Left Out: 8759.635+/-1.440 χ^2/NDF:1222238.0/24

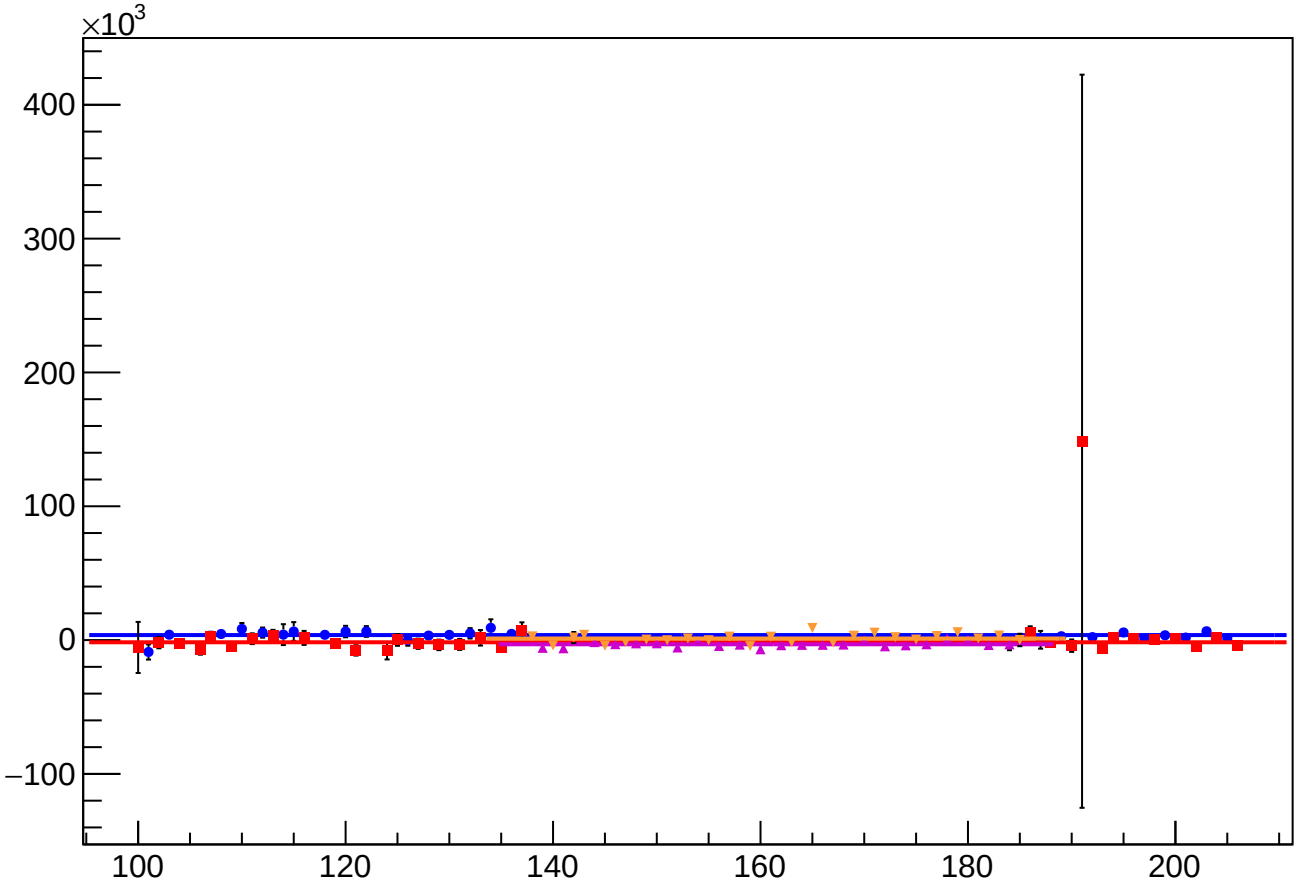
Right Out: 8530.906+/-1.648 χ^2/NDF: 5294195.5/30

Left In: 8764.138+/-1.478 χ^2/NDF:1291698.9/22

+ sign 9008.440+/-1.143 χ^2/NDF: 4140384.4/49

All: 8827.644+/-0.793 χ^2/NDF: 10785575.5/1

- sign 8660.104+/-1.100 χ^2/NDF: 6596994.6/53



Right In: 3753.000+/-709.596 χ^2/NDF: 12.9/24

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1636.380+/-656.314 χ^2/NDF: 27.8/30

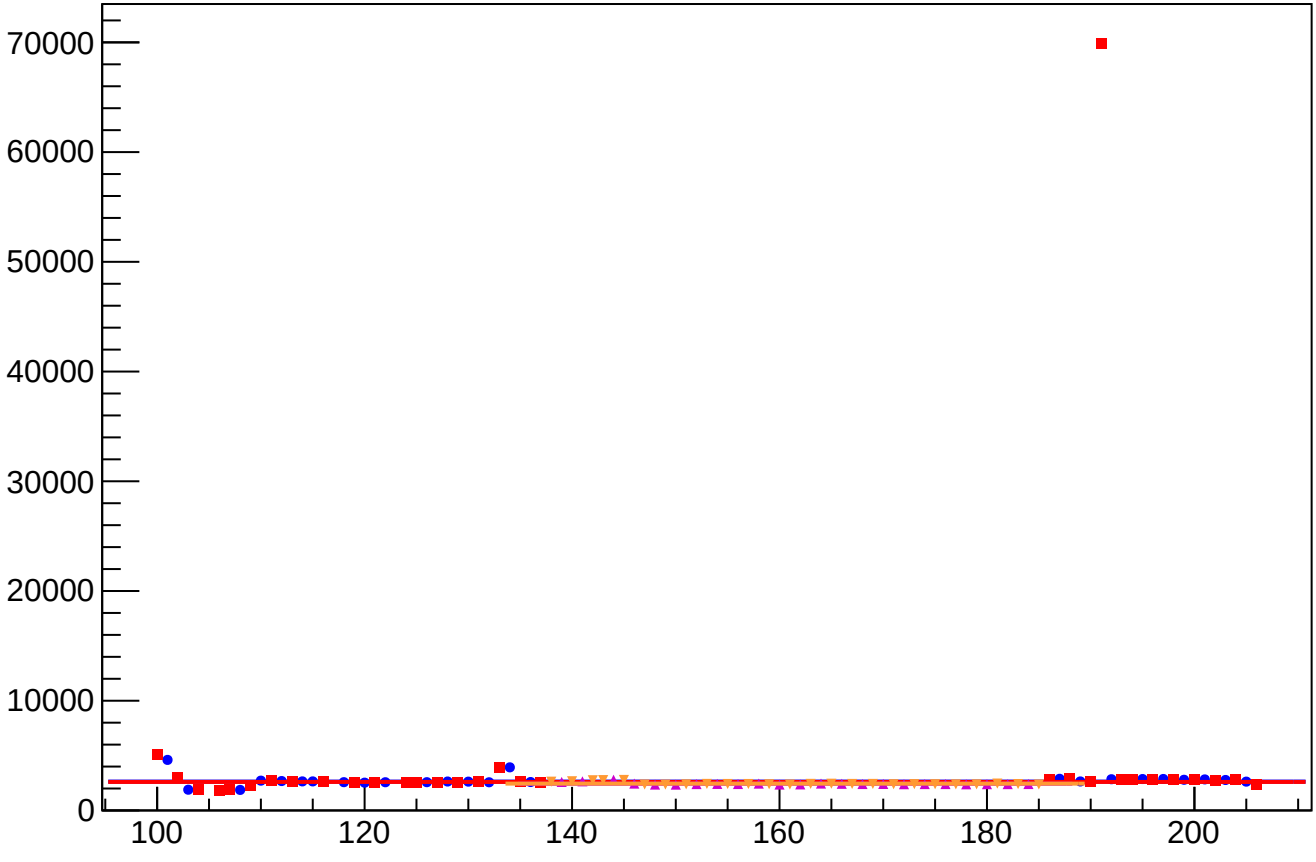
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2164.662+/-437.772 χ^2/NDF: 52.1/49

All: -208.639+/-306.774 χ^2/NDF: 153.4/103

- sign -2498.629+/-430.019 χ^2/NDF: 43.5/53

cor_asym_atr2_rms vs Slug



Right In: 2631.796+/-0.502 χ^2/NDF: 700886.2/24

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2599.305+/-0.464 χ^2/NDF: 754829.5/30

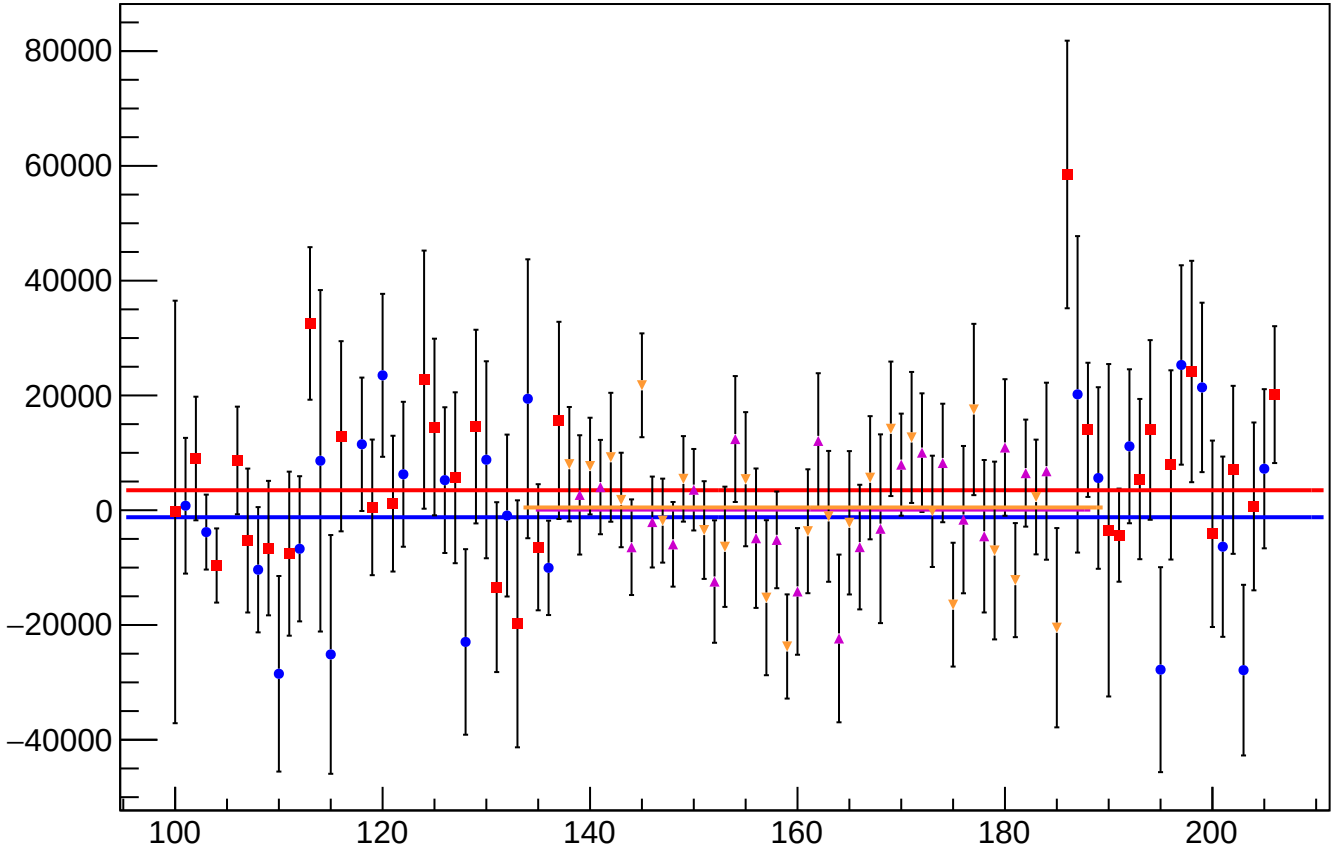
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2516.607+/-0.310 χ^2/NDF: 875988.2/49

All: 2511.248+/-0.217 χ^2/NDF: 1761306.9/10

- sign 2506.077+/-0.304 χ^2/NDF: 884729.9/53

asym_atr2_cor_correction_mean vs Slug



Right In: -1221.662+/-2659.394 χ^2/NDF: 26.2/24

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 3479.674+/-2352.245 χ^2/NDF: 28.6/30

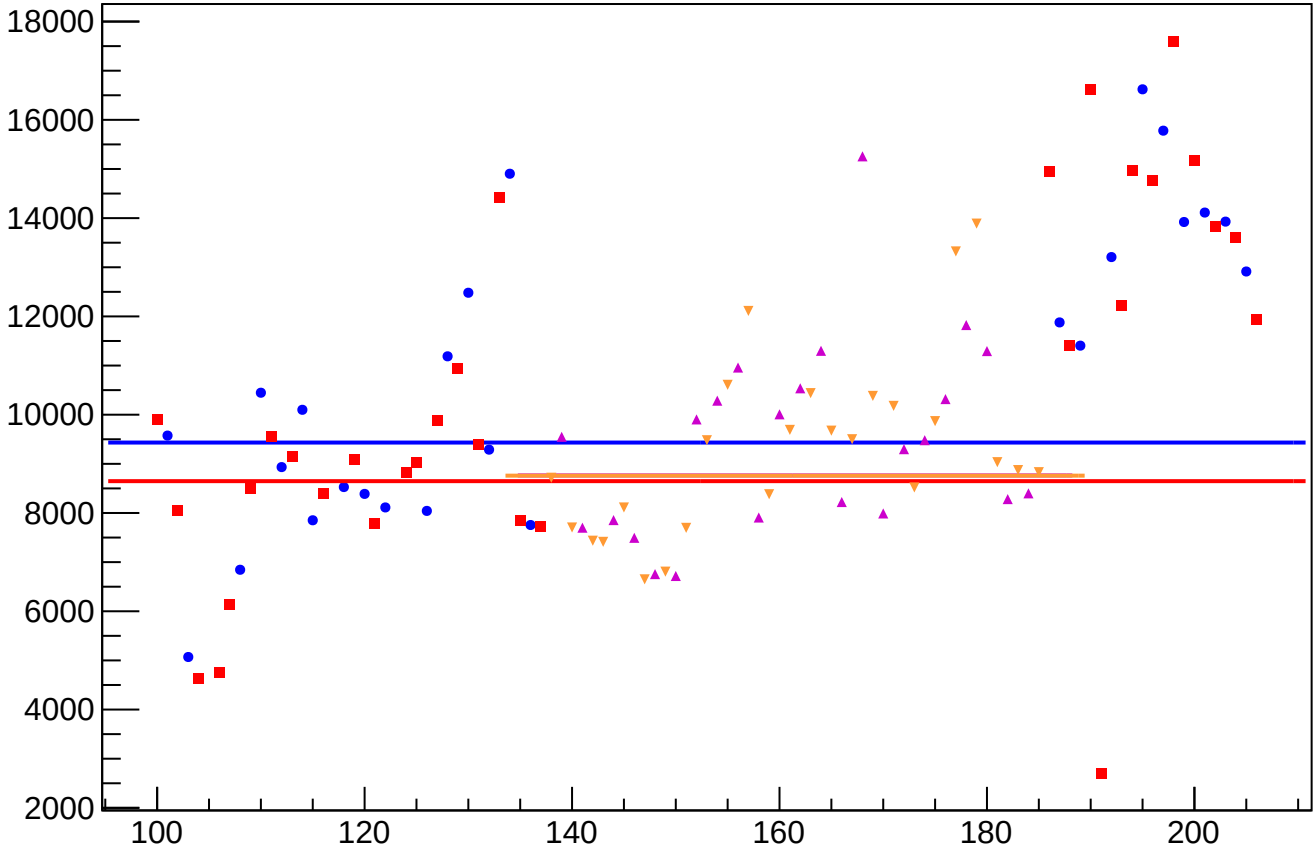
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -150.573+/-1616.608 χ^2/NDF: 53.8/49

All: 751.533+/-1123.590 χ^2/NDF: 98.6/103

- sign 1594.535+/-1562.752 χ^2/NDF: 44.2/53

asym_atr2_cor_correction_rms vs Slug



Right In: 9433.231+/-1.880 χ^2/NDF: 2836796.9/24

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8647.821+/-1.663 χ^2/NDF: 5052463.1/30

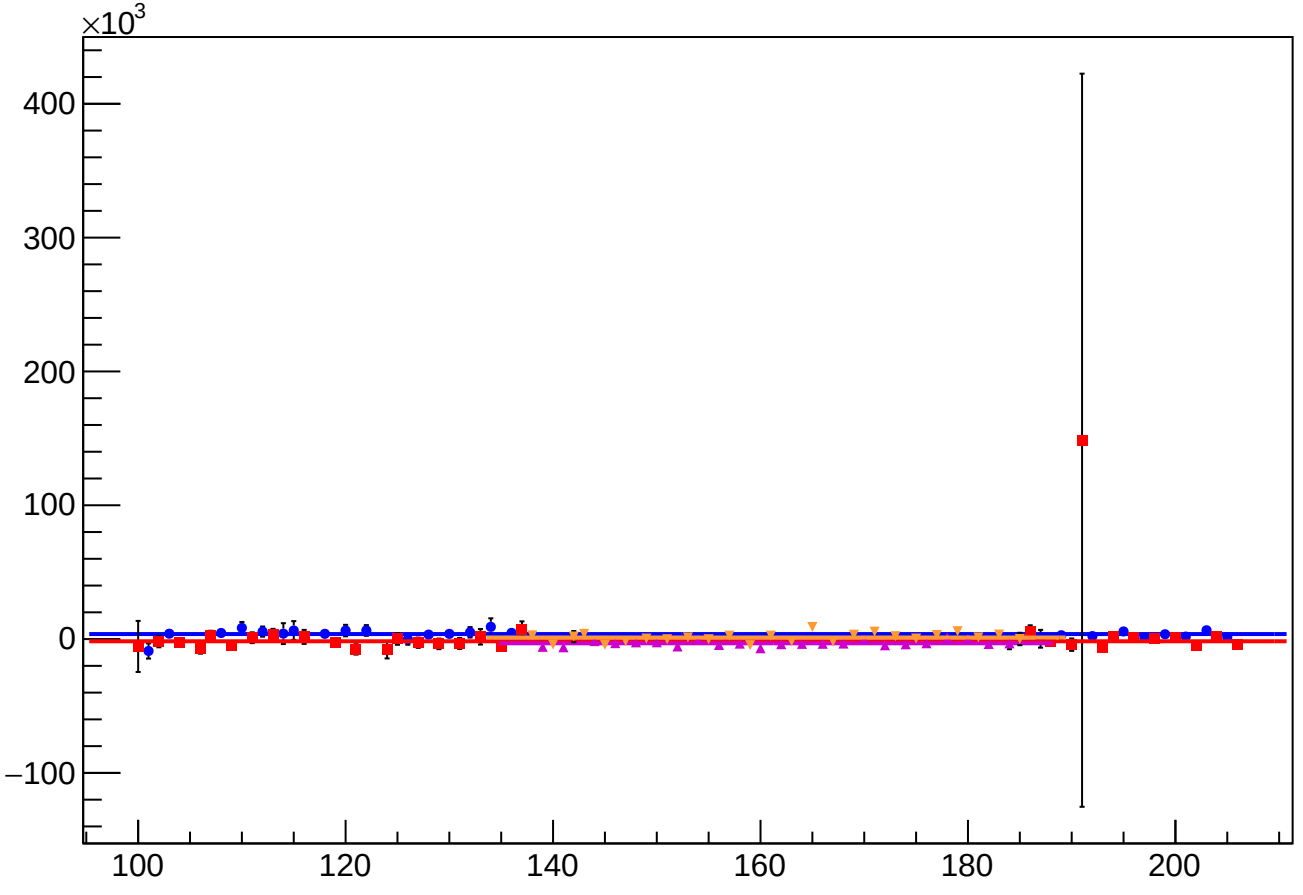
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9008.540+/-1.143 χ^2/NDF: 4139945.0/49

All: 8855.659+/-0.794 χ^2/NDF: 10521441.2/1

- sign 8712.795+/-1.105 χ^2/NDF: 6346895.1/53

eigen_cor_asym_atr2_mean vs Slug



Right In: 3753.000+/-709.596 χ^2/NDF: 12.9/24

Left Out: 1188.666+/-556.242 χ^2/NDF:31.1/24

Right Out: -1636.380+/-656.314 χ^2/NDF: 27.8/30

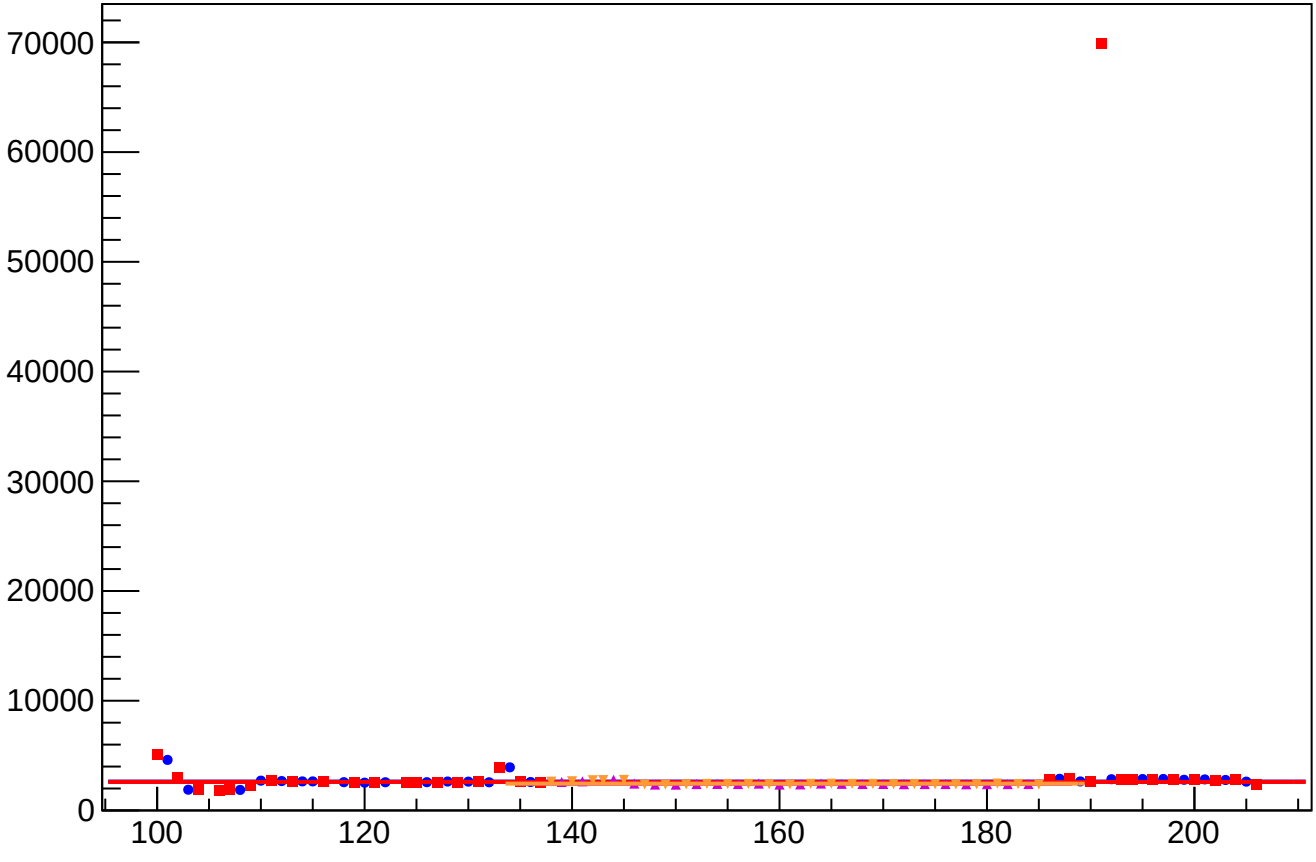
Left In: -3147.222+/-569.221 χ^2/NDF:12.7/22

+ sign 2164.662+/-437.772 χ^2/NDF: 52.1/49

All: -208.639+/-306.774 χ^2/NDF: 153.4/103

- sign -2498.629+/-430.019 χ^2/NDF: 43.5/53

eigen_cor_asym_atr2_rms vs Slug



Right In: 2631.796+/-0.502 χ^2/NDF: 700886.2/24

Left Out: 2445.826+/-0.393 χ^2/NDF:90014.8/24

Right Out: 2599.305+/-0.464 χ^2/NDF: 754829.5/30

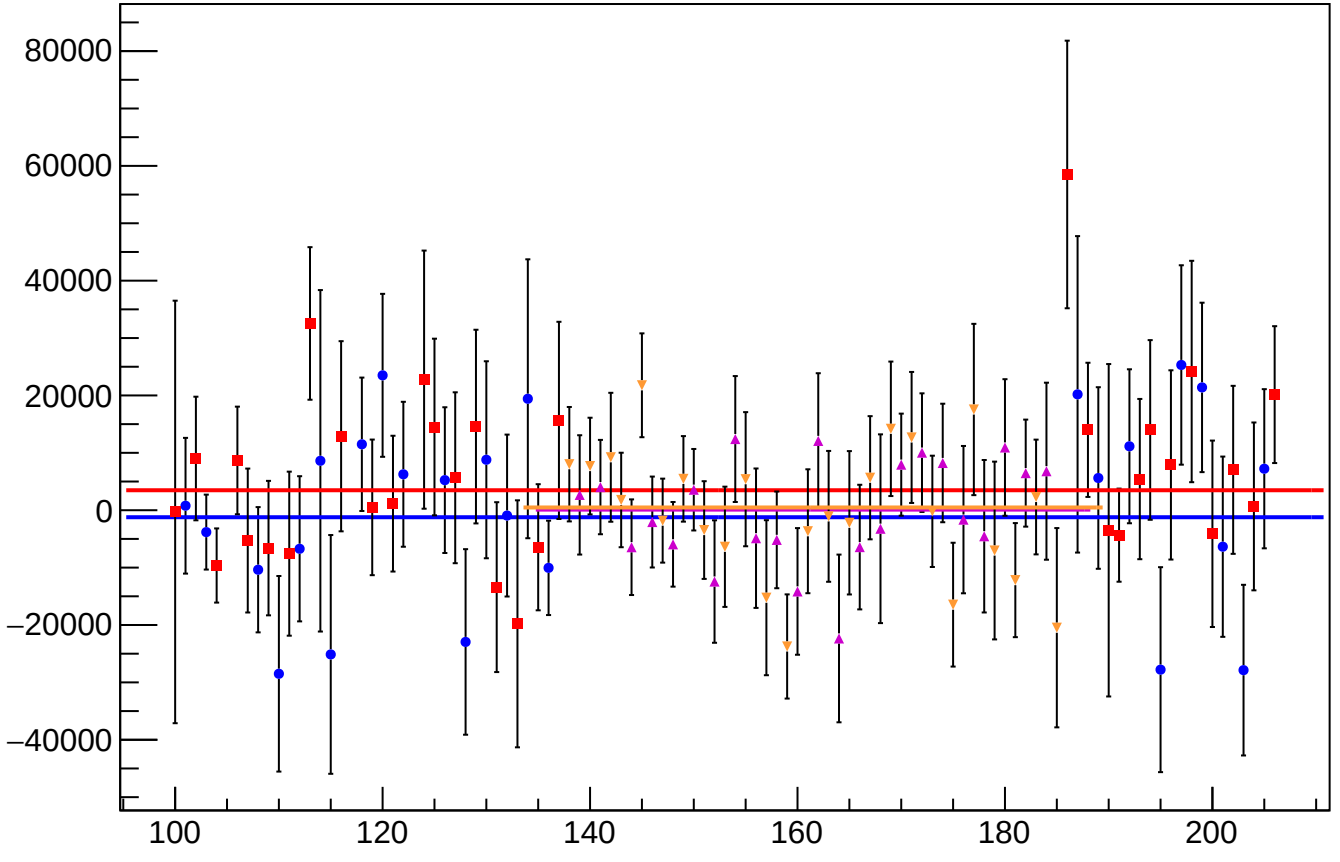
Left In: 2435.950+/-0.403 χ^2/NDF:59189.9/22

+ sign 2516.607+/-0.310 χ^2/NDF: 875988.2/49

All: 2511.248+/-0.217 χ^2/NDF: 1761306.9/10

- sign 2506.077+/-0.304 χ^2/NDF: 884729.9/53

asym_atr2_eigen_cor_correction_mean vs Slug



Right In: -1221.662+/-2659.394 χ^2/NDF: 26.2/24

Left Out: 477.198+/-2035.967 χ^2/NDF:27.4/24

Right Out: 3479.674+/-2352.245 χ^2/NDF: 28.6/30

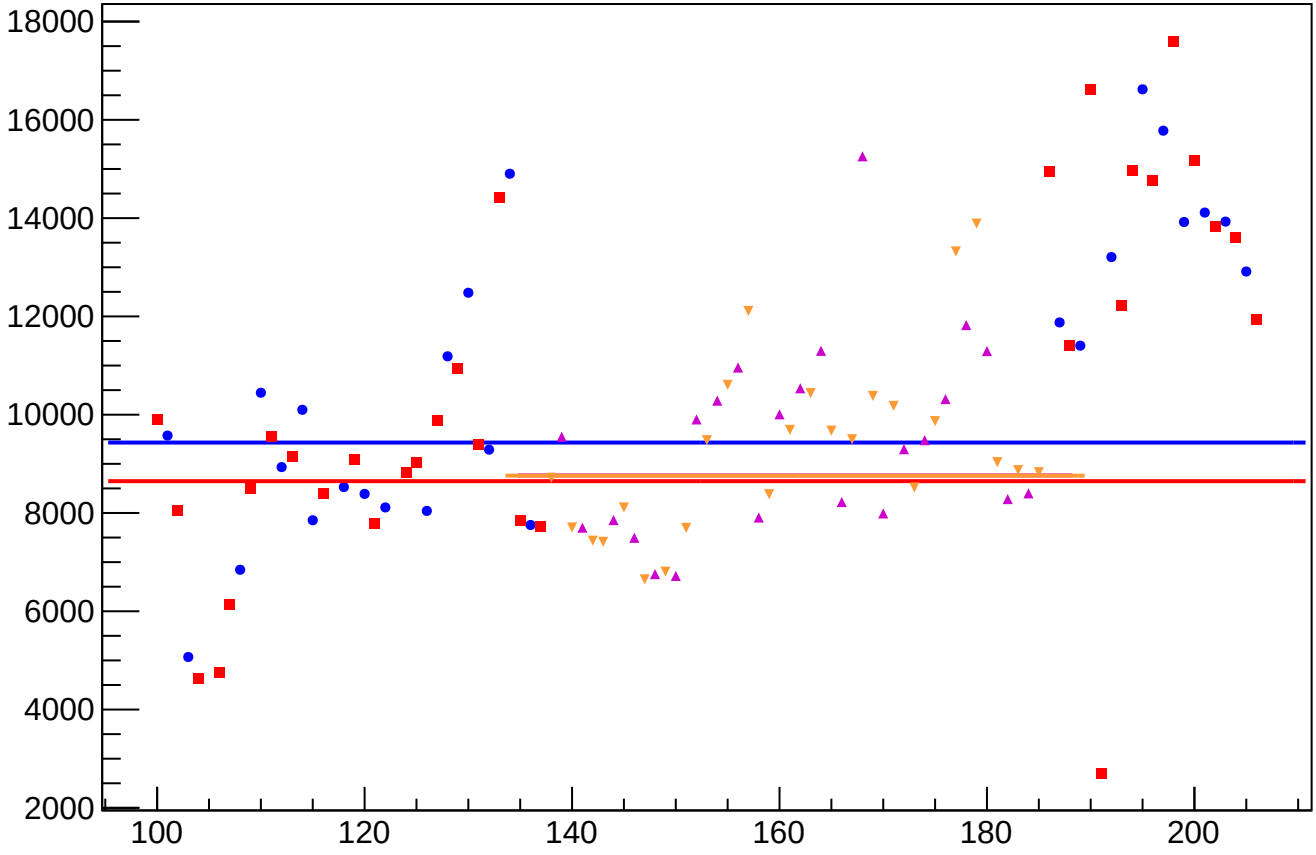
Left In: 105.025+/-2090.897 χ^2/NDF:14.5/22

+ sign -150.573+/-1616.608 χ^2/NDF: 53.8/49

All: 751.533+/-1123.590 χ^2/NDF: 98.6/103

- sign 1594.535+/-1562.752 χ^2/NDF: 44.2/53

asym_atr2_eigen_cor_correction_rms vs Slug



Right In: 9433.231+/-1.880 χ^2/NDF: 2836796.9/24

Left Out: 8759.625+/-1.440 χ^2/NDF:1222248.8/24

Right Out: 8647.821+/-1.663 χ^2/NDF: 5052463.1/30

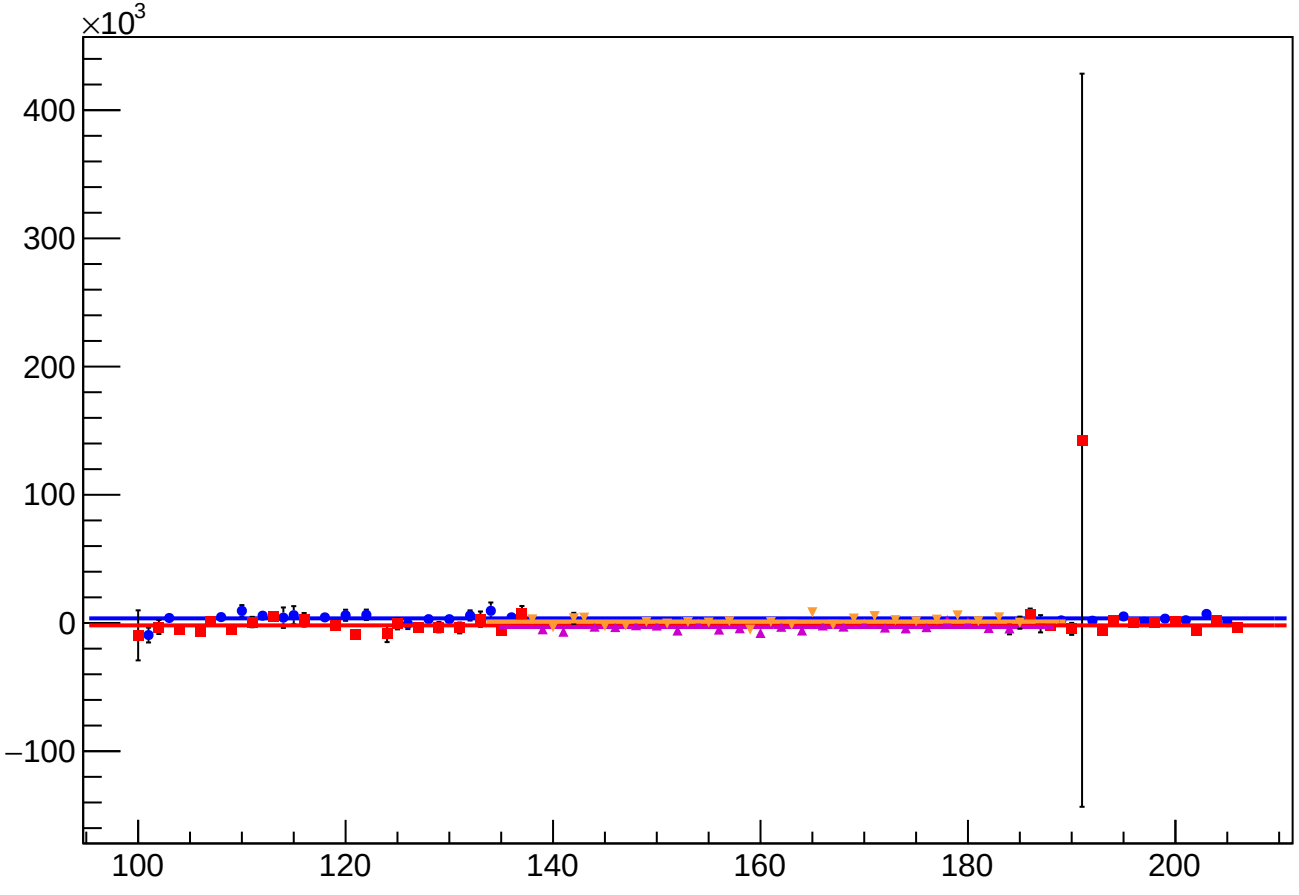
Left In: 8764.132+/-1.478 χ^2/NDF:1291700.3/22

+ sign 9008.540+/-1.143 χ^2/NDF: 4139945.0/49

All: 8855.659+/-0.794 χ^2/NDF: 10521441.2/1

- sign 8712.795+/-1.105 χ^2/NDF: 6346895.1/53

dit_asym_atr2_mean vs Slug



Right In: 3611.018+/-732.787 χ^2/NDF: 14.9/24

Left Out: 1213.875+/-579.693 χ^2/NDF:26.8/24

Right Out: -1850.492+/-678.747 χ^2/NDF: 31.6/30

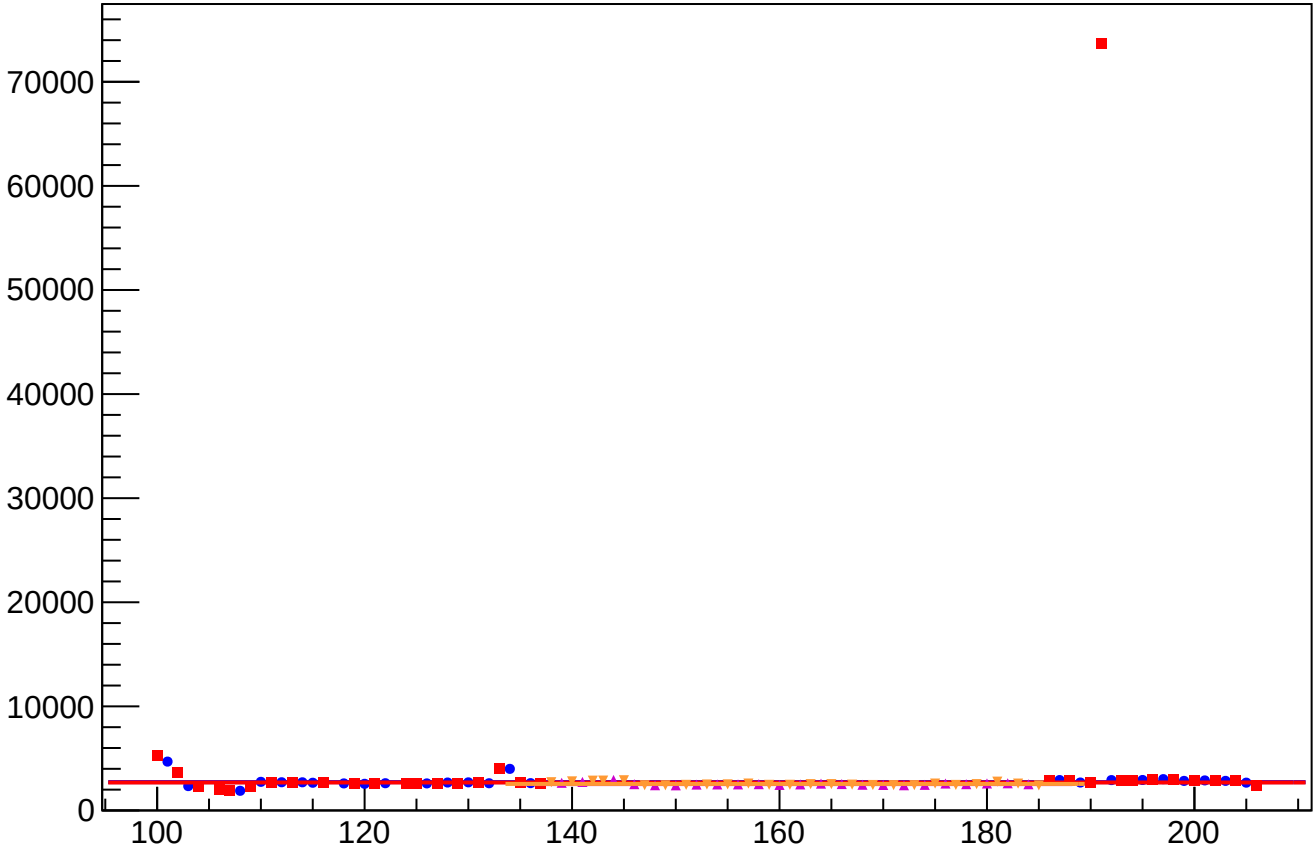
Left In: -3150.265+/-592.116 χ^2/NDF:16.5/22

+ sign 2136.586+/-454.636 χ^2/NDF: 48.3/49

All: -270.263+/-318.450 χ^2/NDF: 153.5/103

- sign -2588.570+/-446.195 χ^2/NDF: 50.2/53

dit_asym_atr2_rms vs Slug



Right In: 2724.408+/-0.518 χ^2/NDF: 553368.2/24

Left Out: 2547.154+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2686.823+/-0.480 χ^2/NDF: 666855.1/30

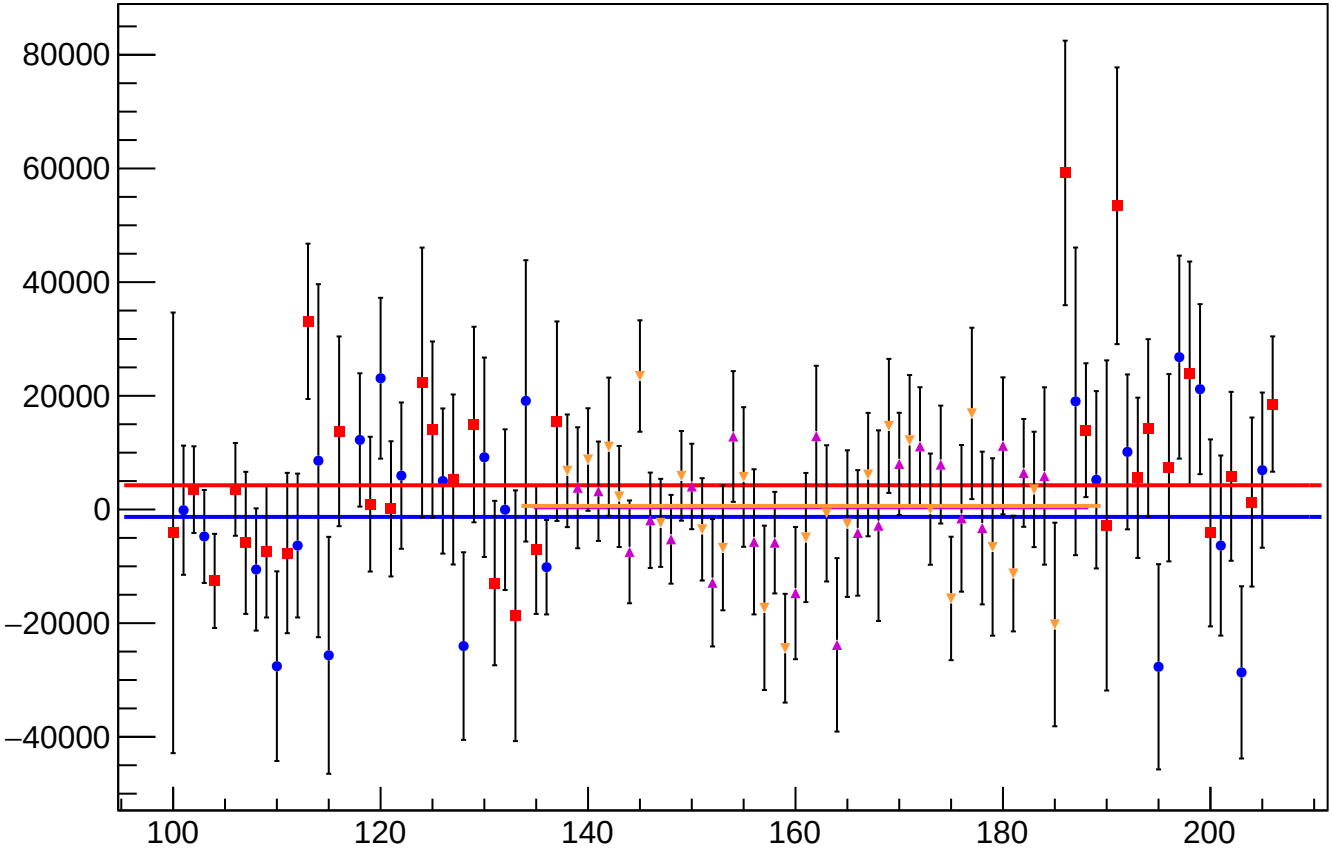
Left In: 2532.772+/-0.419 χ^2/NDF:68441.1/22

+ sign 2615.383+/-0.321 χ^2/NDF: 742643.9/49

All: 2607.224+/-0.225 χ^2/NDF: 1537726.8/10

- sign 2599.367+/-0.315 χ^2/NDF: 793818.4/53

asym_atr2_dit_correction_mean vs Slug



Right In: -1304.067+/-2750.443 χ^2/NDF: 26.0/24

Left Out: 631.360+/-2123.101 χ^2/NDF:26.7/24

Right Out: 4263.194+/-2437.798 χ^2/NDF: 30.4/30

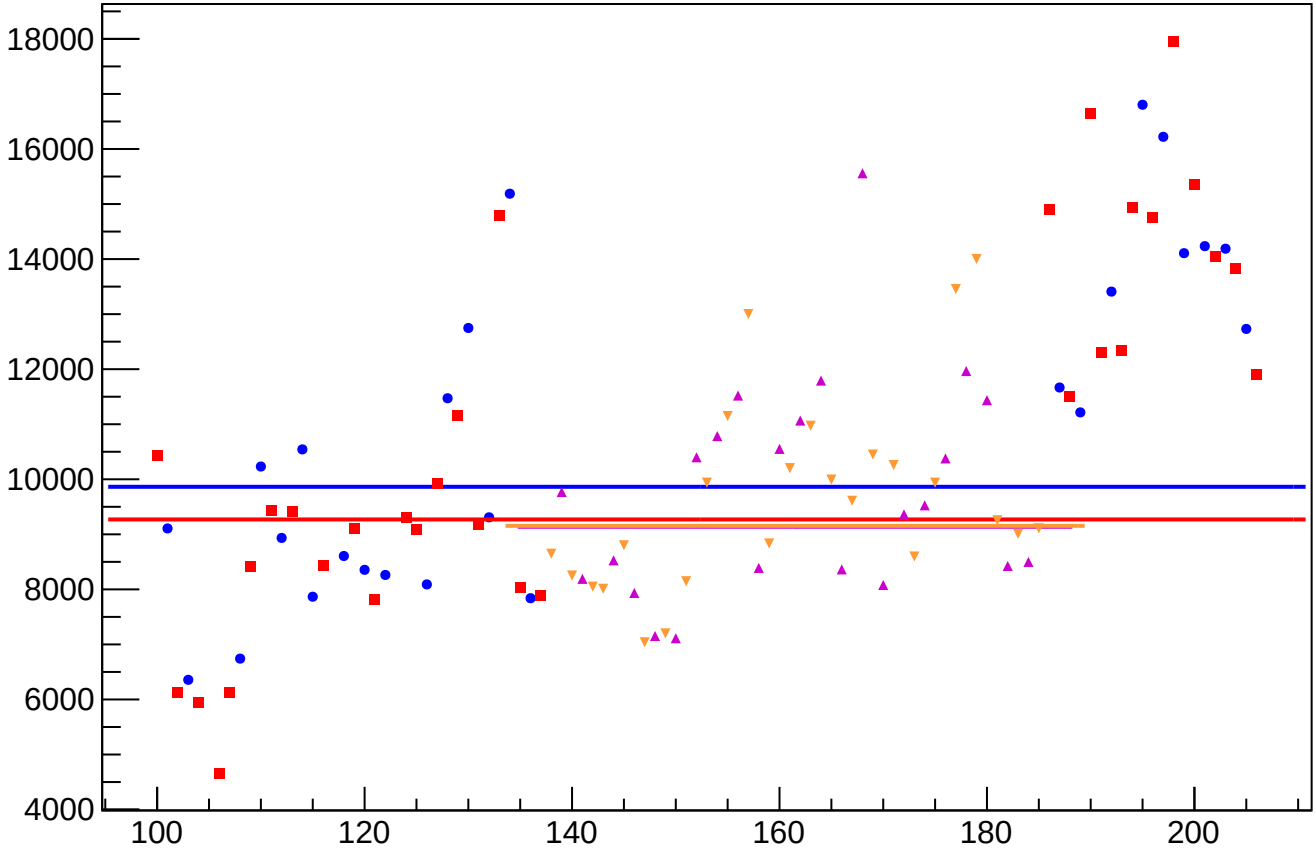
Left In: 377.922+/-2176.347 χ^2/NDF:14.2/22

+ sign -91.278+/-1680.640 χ^2/NDF: 53.0/49

All: 1042.816+/-1167.668 χ^2/NDF: 100.0/103

- sign 2101.111+/-1623.505 χ^2/NDF: 46.1/53

asym_atr2_dit_correction_rms vs Slug



Right In: 9863.547+/-1.945 χ^2/NDF: 2250922.8/24

Left Out: 9154.688+/-1.501 χ^2/NDF:1072073.9/24

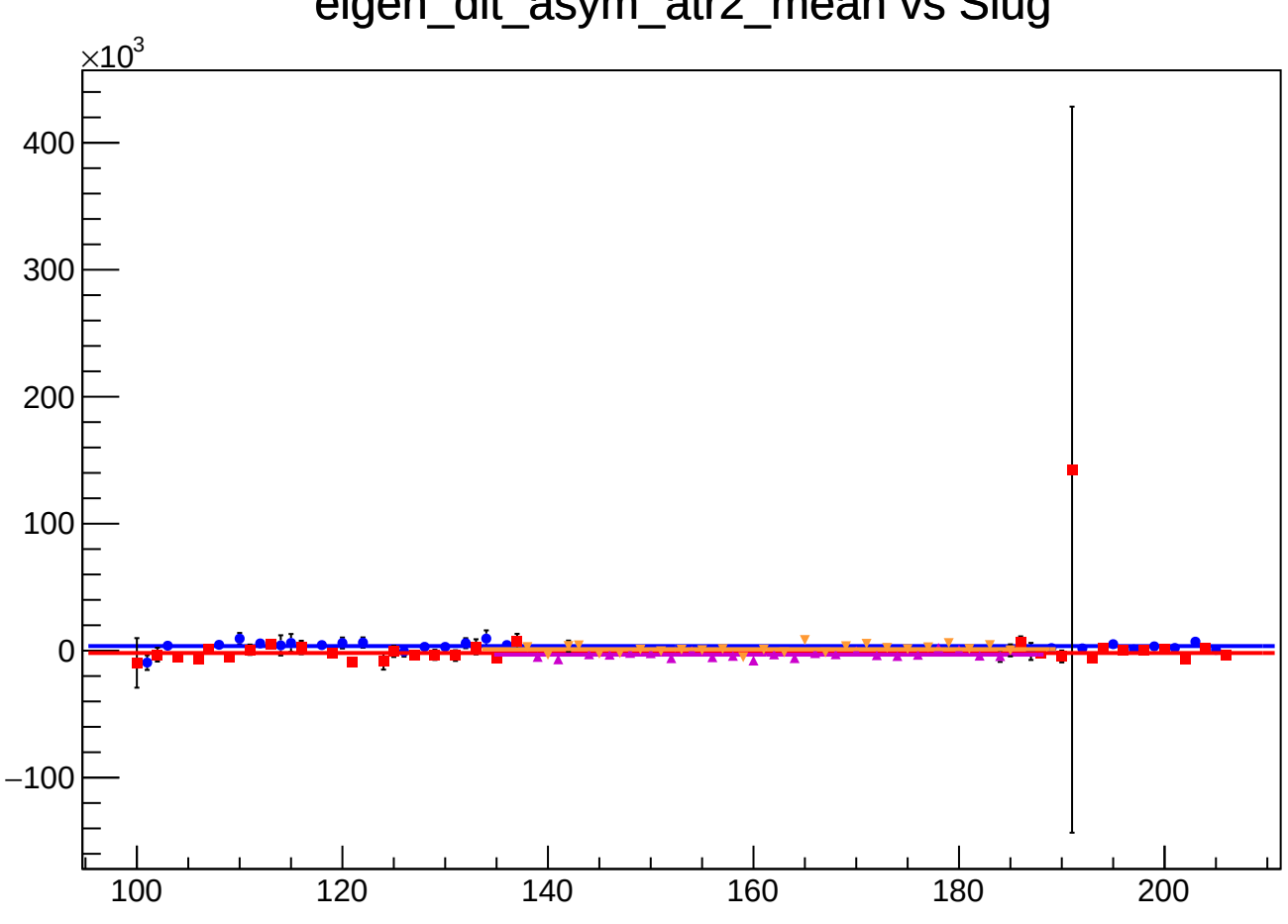
Right Out: 9270.175+/-1.724 χ^2/NDF: 3750438.7/30

Left In: 9137.576+/-1.539 χ^2/NDF:1172792.2/22

\+ sign 9419.358+/-1.188 χ^2/NDF: 3406240.8/49

All: 9304.017+/-0.826 χ^2/NDF: 8350974.6/10

\- sign 9196.386+/-1.148 χ^2/NDF: 4926523.7/53



Right In: 3611.017+/-732.787 χ^2/NDF: 14.9/24

Left Out: 1213.864+/-579.693 χ^2/NDF:26.8/24

Right Out: -1850.492+/-678.747 χ^2/NDF: 31.6/30

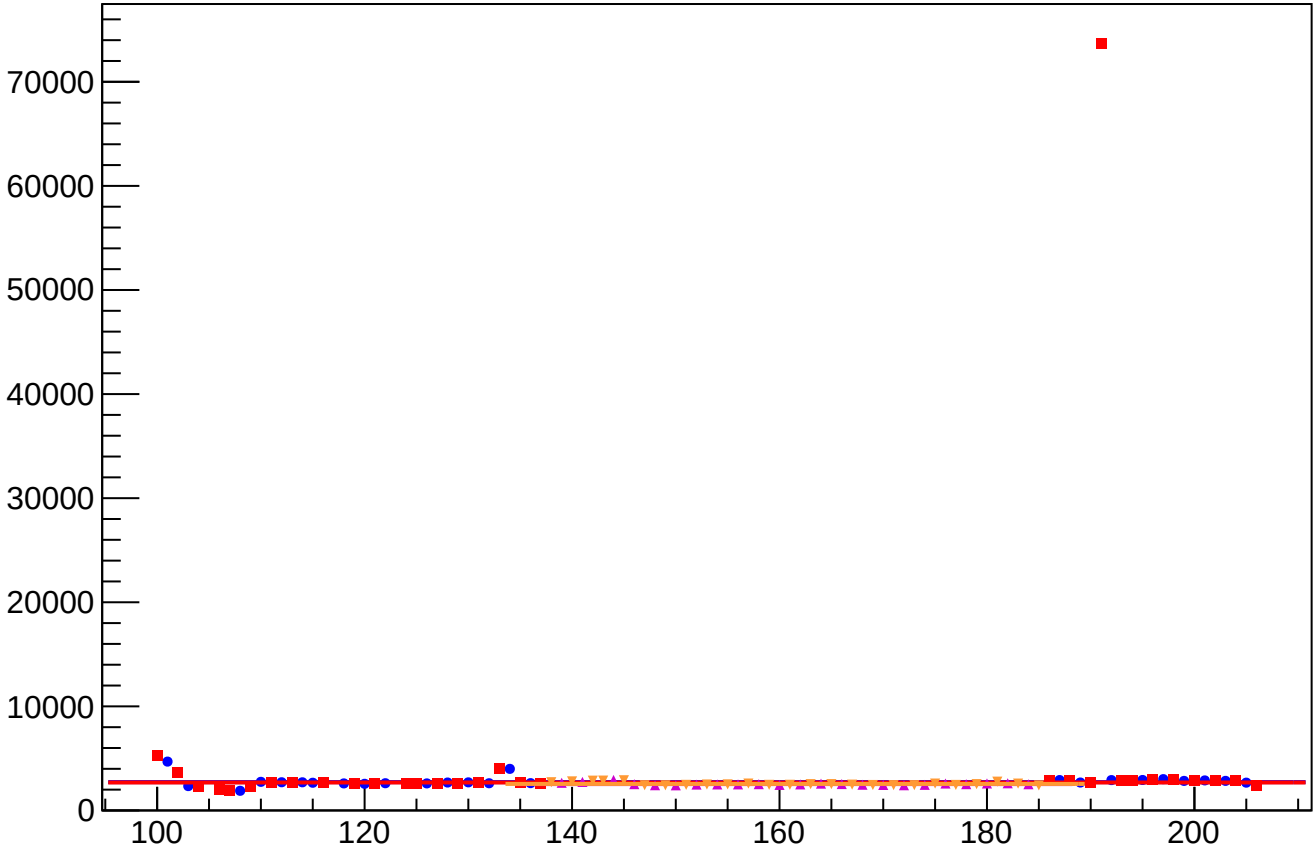
Left In: -3150.264+/-592.117 χ^2/NDF:16.5/22

+ sign 2136.580+/-454.636 χ^2/NDF: 48.3/49

All: -270.266+/-318.450 χ^2/NDF: 153.5/103

- sign -2588.569+/-446.195 χ^2/NDF: 50.2/53

eigen_dit_asym_atr2_rms vs Slug



Right In: 2724.407+/-0.518 χ^2/NDF: 553368.9/24

Left Out: 2547.156+/-0.410 χ^2/NDF:117298.5/24

Right Out: 2686.823+/-0.480 χ^2/NDF: 666855.3/30

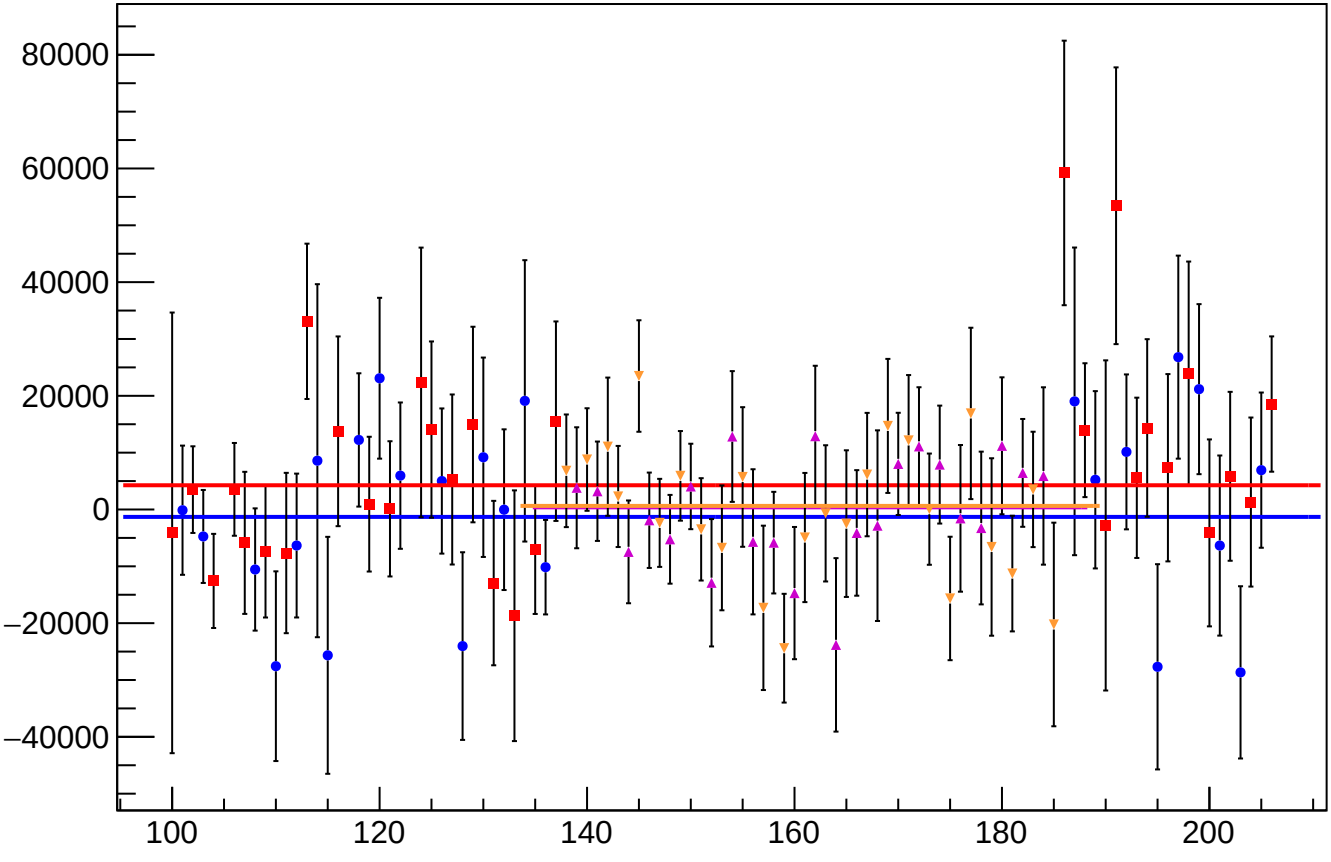
Left In: 2532.774+/-0.419 χ^2/NDF:68440.8/22

+ sign 2615.384+/-0.321 χ^2/NDF: 742642.8/49

All: 2607.225+/-0.225 χ^2/NDF: 1537724.2/10

- sign 2599.368+/-0.315 χ^2/NDF: 793817.0/53

asym_atr2_eigen_dit_correction_mean vs Slug



Right In: -1304.045+/-2750.441 χ^2/NDF: 26.0/24

Left Out: 631.356+/-2123.104 χ^2/NDF:26.7/24

Right Out: 4263.183+/-2437.796 χ^2/NDF: 30.4/30

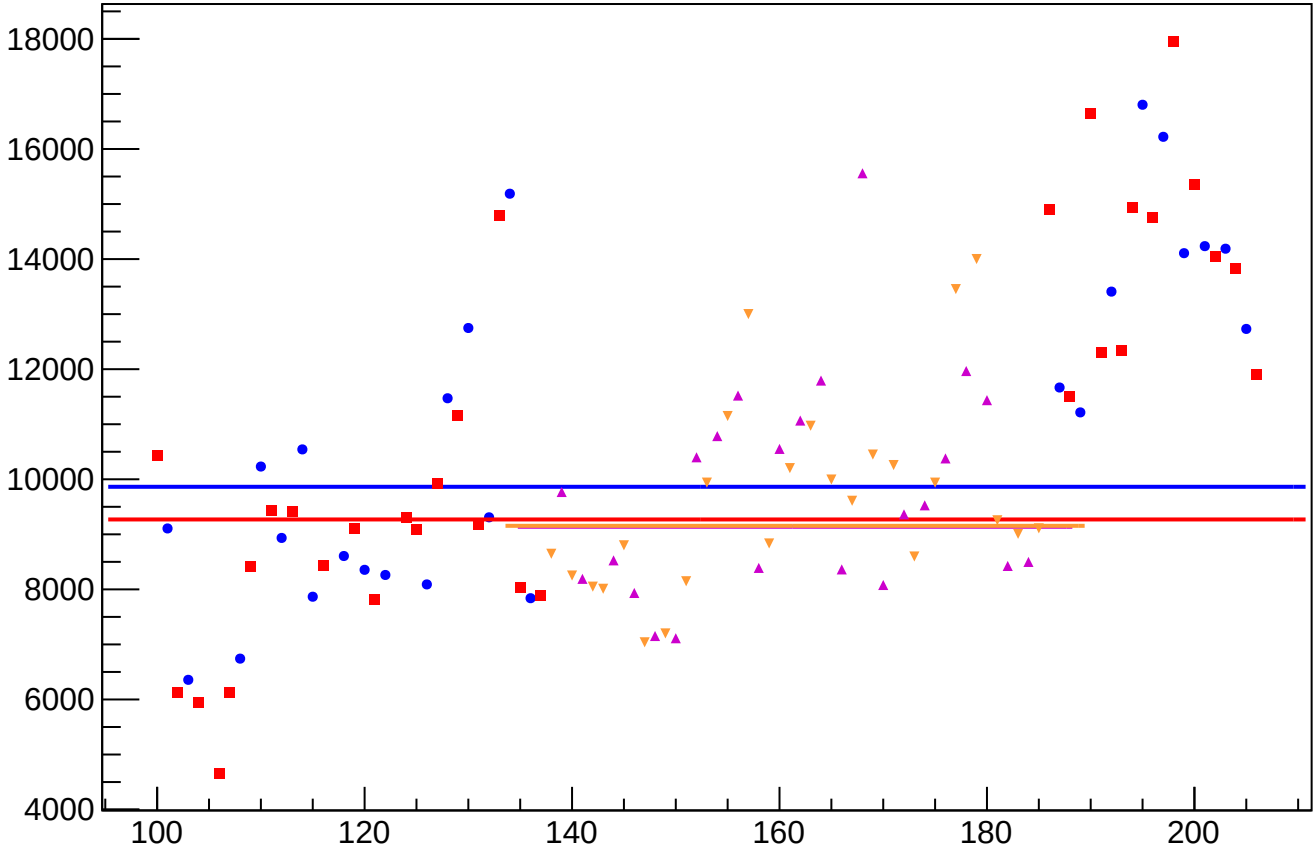
Left In: 377.927+/-2176.350 χ^2/NDF:14.2/22

+ sign -91.275+/-1680.642 χ^2/NDF: 53.0/49

All: 1042.820+/-1167.669 χ^2/NDF: 100.0/103

- sign 2101.114+/-1623.505 χ^2/NDF: 46.1/53

asym_atr2_eigen_dit_correction_rms vs Slug



Right In: 9863.540+/-1.945 χ^2/NDF: 2250932.9/24

Left Out: 9154.703+/-1.501 χ^2/NDF:1072075.9/24

Right Out: 9270.164+/-1.724 χ^2/NDF: 3750454.4/30

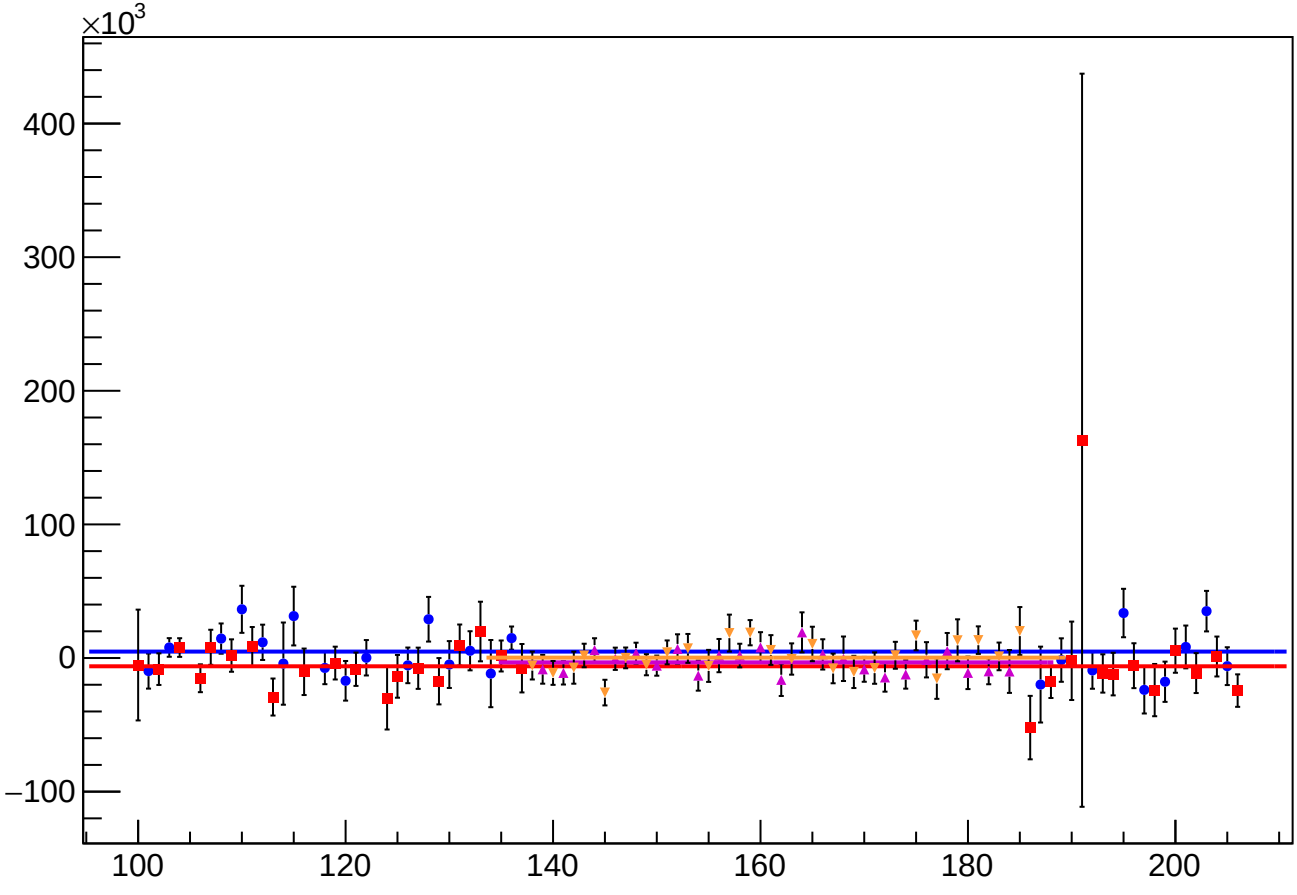
Left In: 9137.590+/-1.539 χ^2/NDF:1172796.0/22

+ sign 9419.365+/-1.188 χ^2/NDF: 3406247.5/49

All: 9304.022+/-0.826 χ^2/NDF: 8351000.3/10

- sign 9196.389+/-1.148 χ^2/NDF: 4926542.0/53

asym_atr2_mean vs Slug



Right In: 4816.033+/-2778.890 χ^2/NDF: 29.3/24

Left Out: 295.038+/-2125.383 χ^2/NDF:26.3/24

Right Out: -6186.200+/-2579.088 χ^2/NDF: 24.1/30

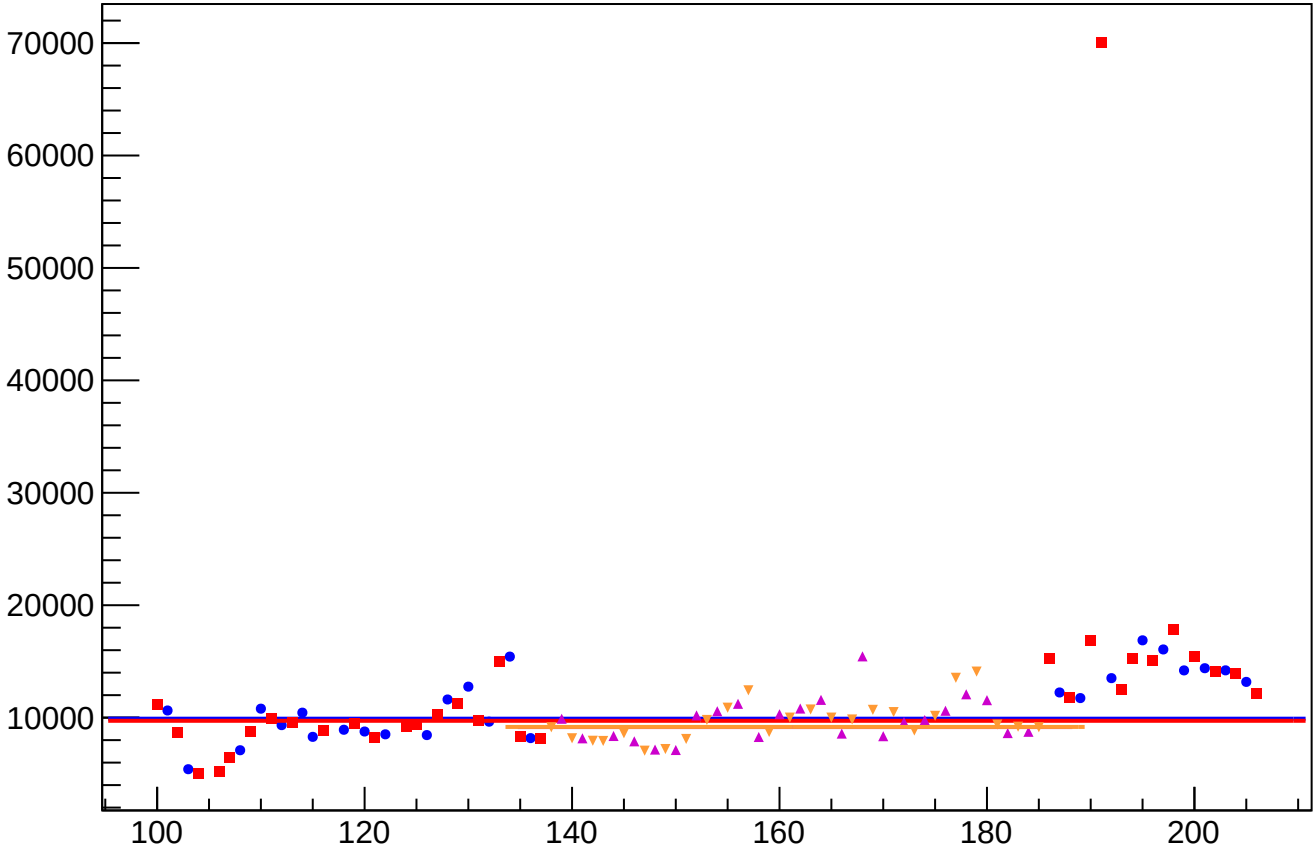
Left In: -3233.667+/-2179.845 χ^2/NDF:13.6/22

+ sign 1963.612+/-1688.212 χ^2/NDF: 57.3/49

All: -1294.965+/-1185.399 χ^2/NDF: 103.1/10

- sign -4463.966+/-1664.847 χ^2/NDF: 38.4/53

asym_atr2_rms vs Slug



Right In: 9906.618+/-1.965 χ^2/NDF: 2604796.2/24

Left Out: 9172.826+/-1.503 χ^2/NDF:1056946.9/24

Right Out: 9720.062+/-1.824 χ^2/NDF: 3577132.4/30

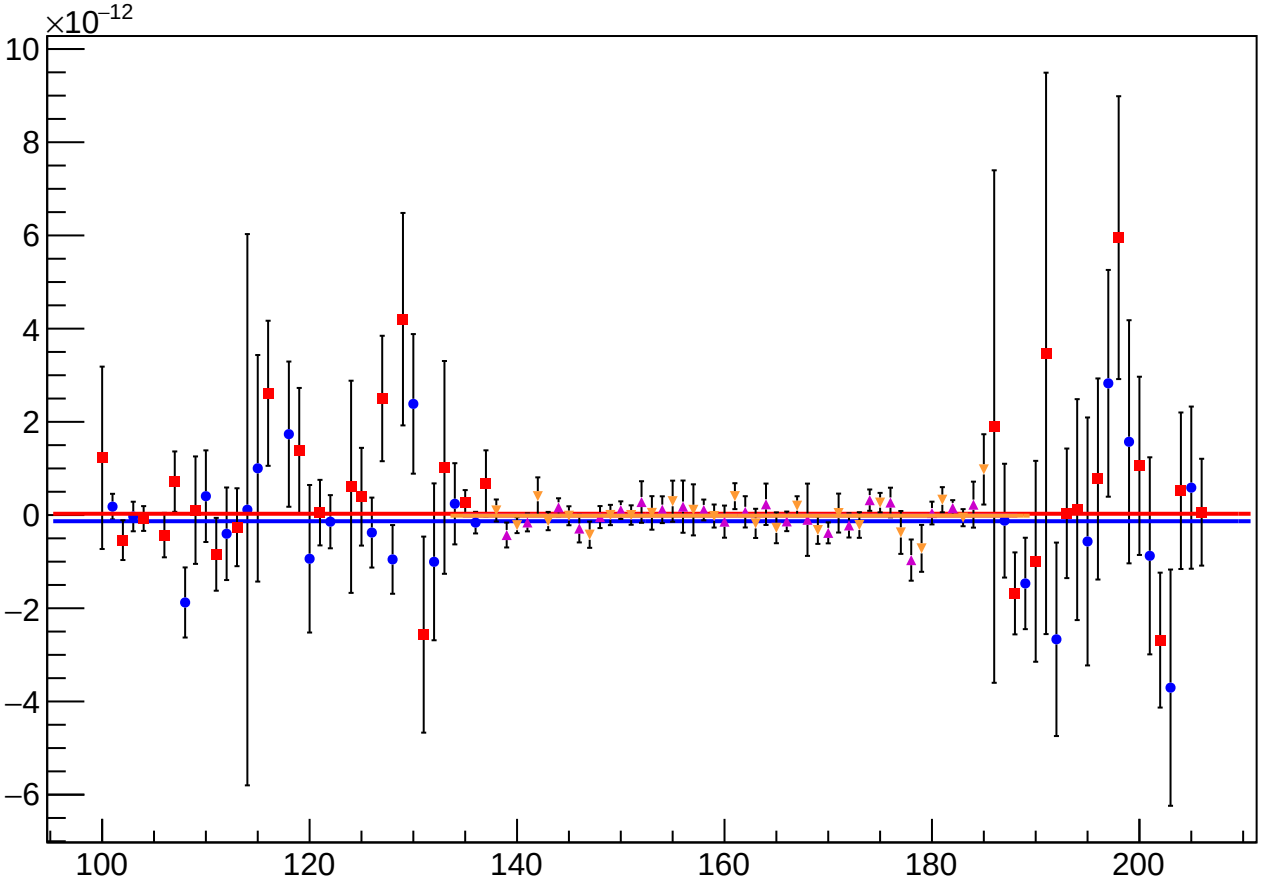
Left In: 9162.276+/-1.541 χ^2/NDF:1127533.4/22

+ sign 9443.648+/-1.194 χ^2/NDF: 3749729.0/49

All: 9418.837+/-0.838 χ^2/NDF: 8509815.3/10

- sign 9394.708+/-1.177 χ^2/NDF: 4759234.2/53

asym_atr2_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 21.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.4/24

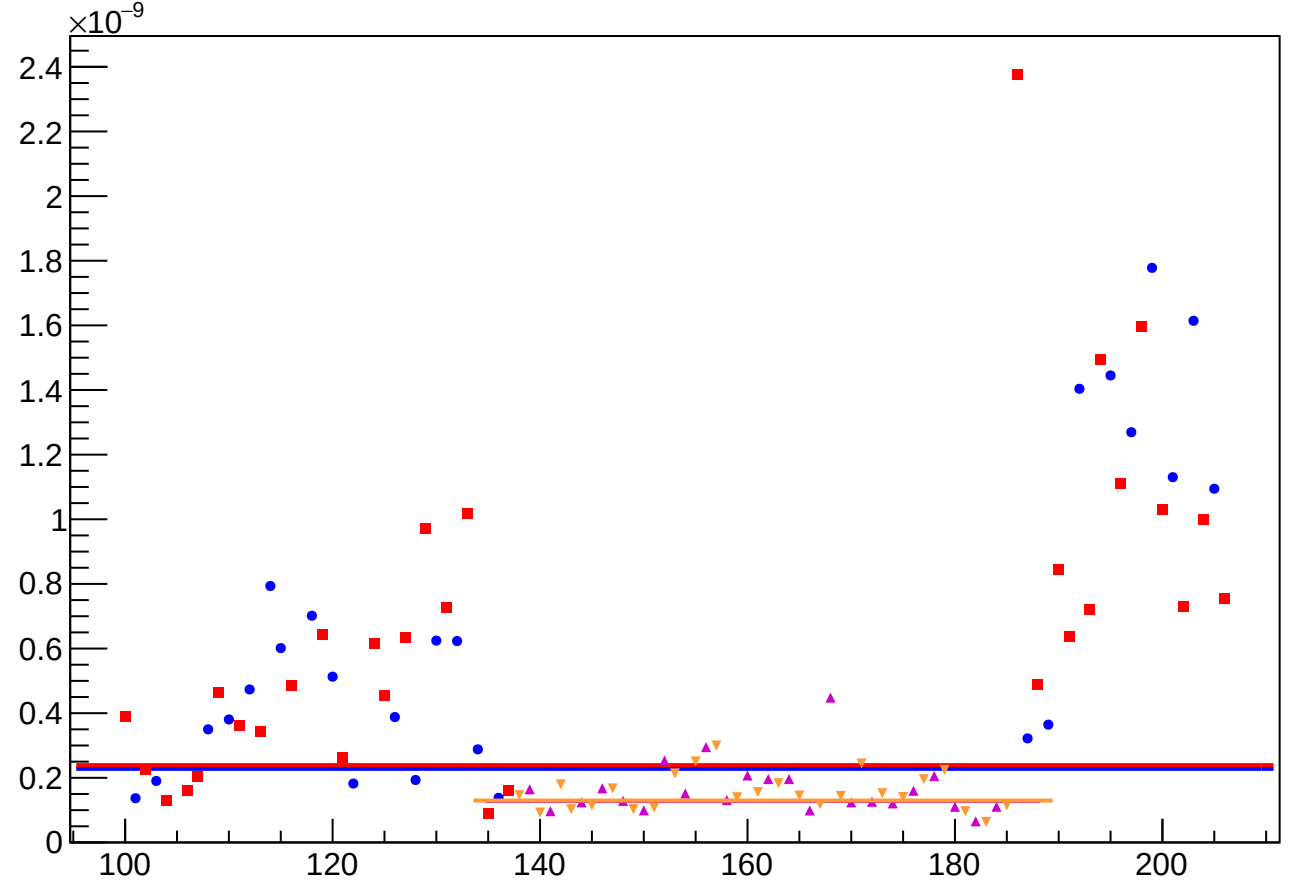
Right Out: 0.000+/-0.000 χ^2/NDF: 32.0/30

Left In: -0.000+/-0.000 χ^2/NDF:19.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.4/49

All: -0.000+/-0.000 χ^2/NDF: 92.7/103

- sign -0.000+/-0.000 χ^2/NDF: 51.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 5097046.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:1390522.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5841616.3/30

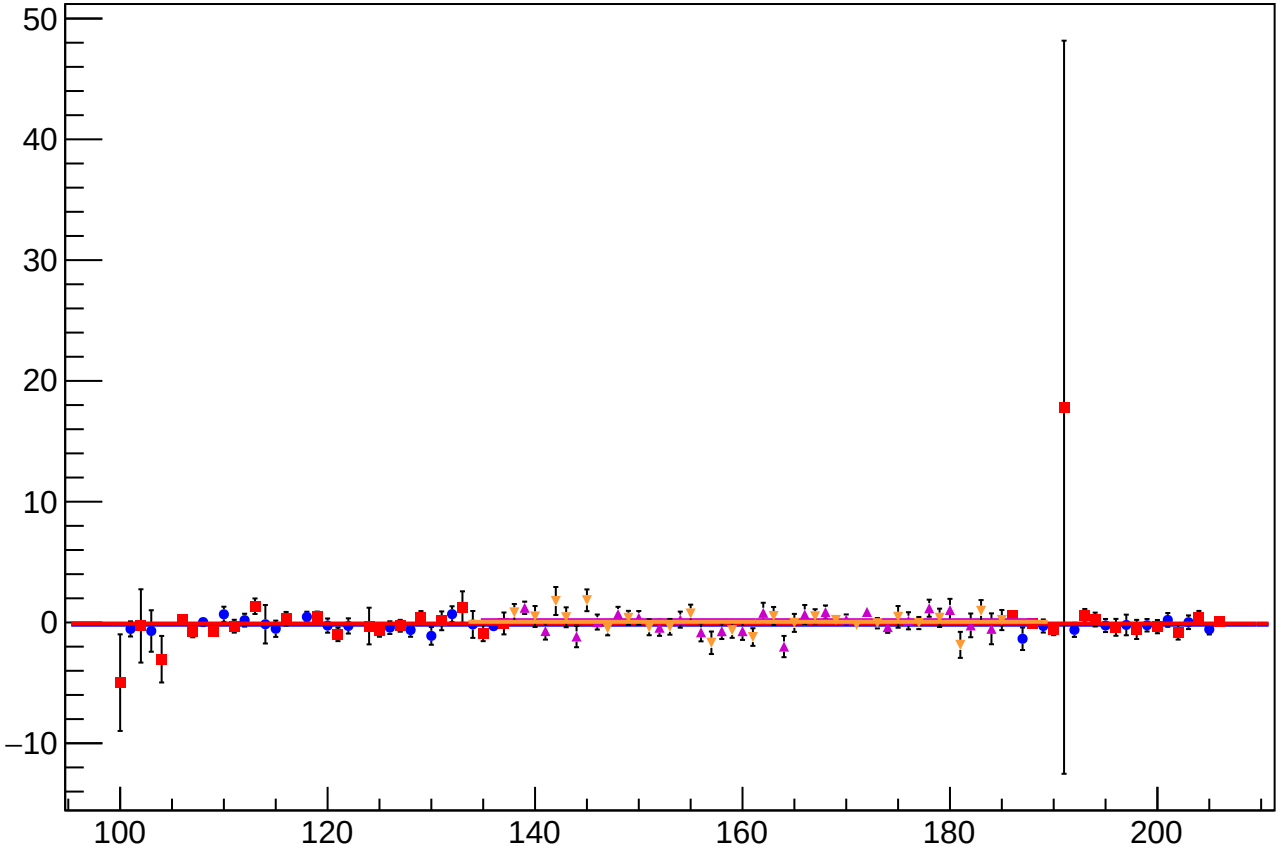
Left In: 0.000+/-0.000 χ^2/NDF:1516080.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7457406.1/49

All: 0.000+/-0.000 χ^2/NDF: 15999264.8/103

- sign 0.000+/-0.000 χ^2/NDF: 8541664.0/53

asym_atr2_dit_vs_cor_diff_mean vs Slug



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.086+/-0.093 χ^2/NDF: 34.0/30

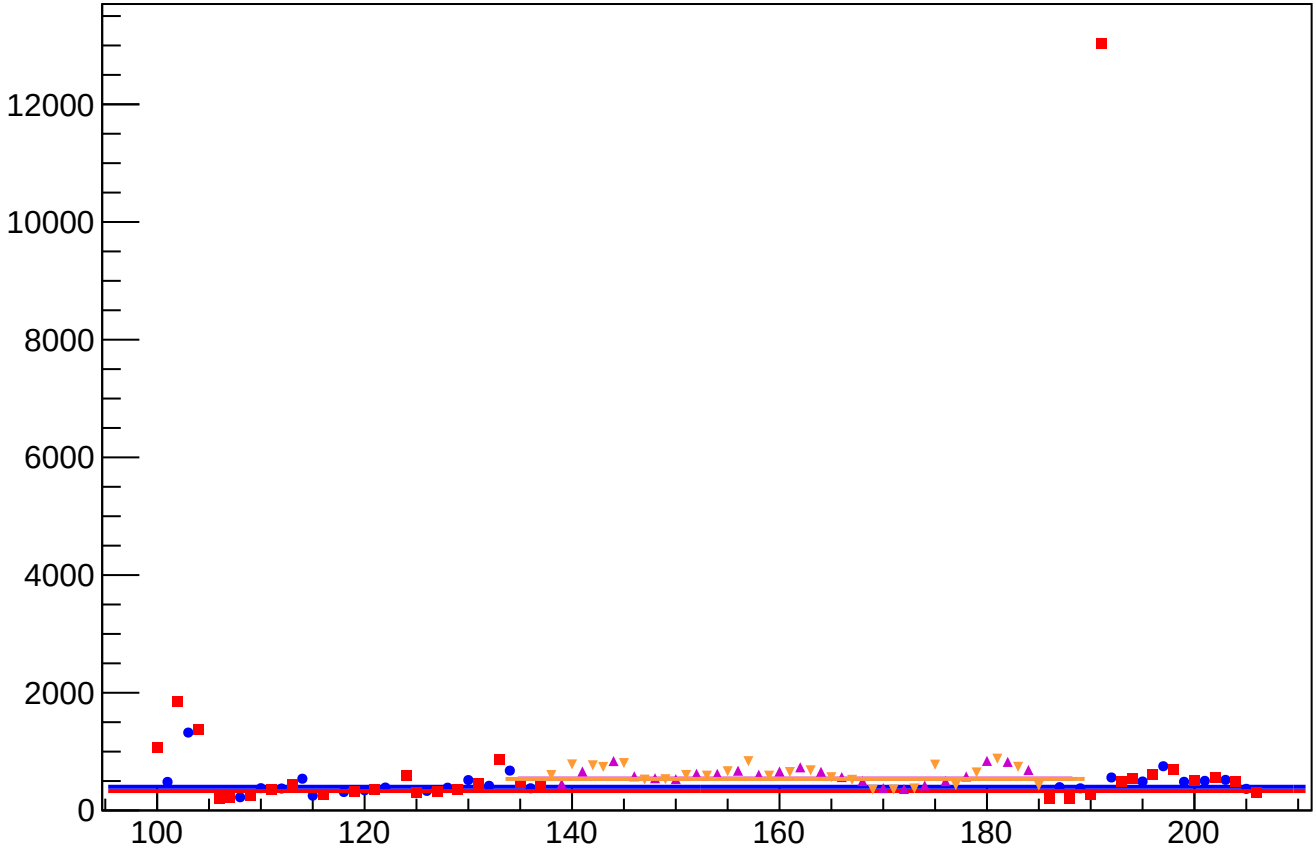
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.079+/-0.086 χ^2/NDF: 40.2/49

All: -0.032+/-0.057 χ^2/NDF: 108.8/103

- sign 0.005+/-0.076 χ^2/NDF: 68.1/53

asym_atr2_dit_vs_cor_diff_rms vs Slug



Right In: 402.627+/-0.081 χ^2/NDF: 2289086.7/24

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

Right Out: 330.168+/-0.066 χ^2/NDF: 5467568.0/30

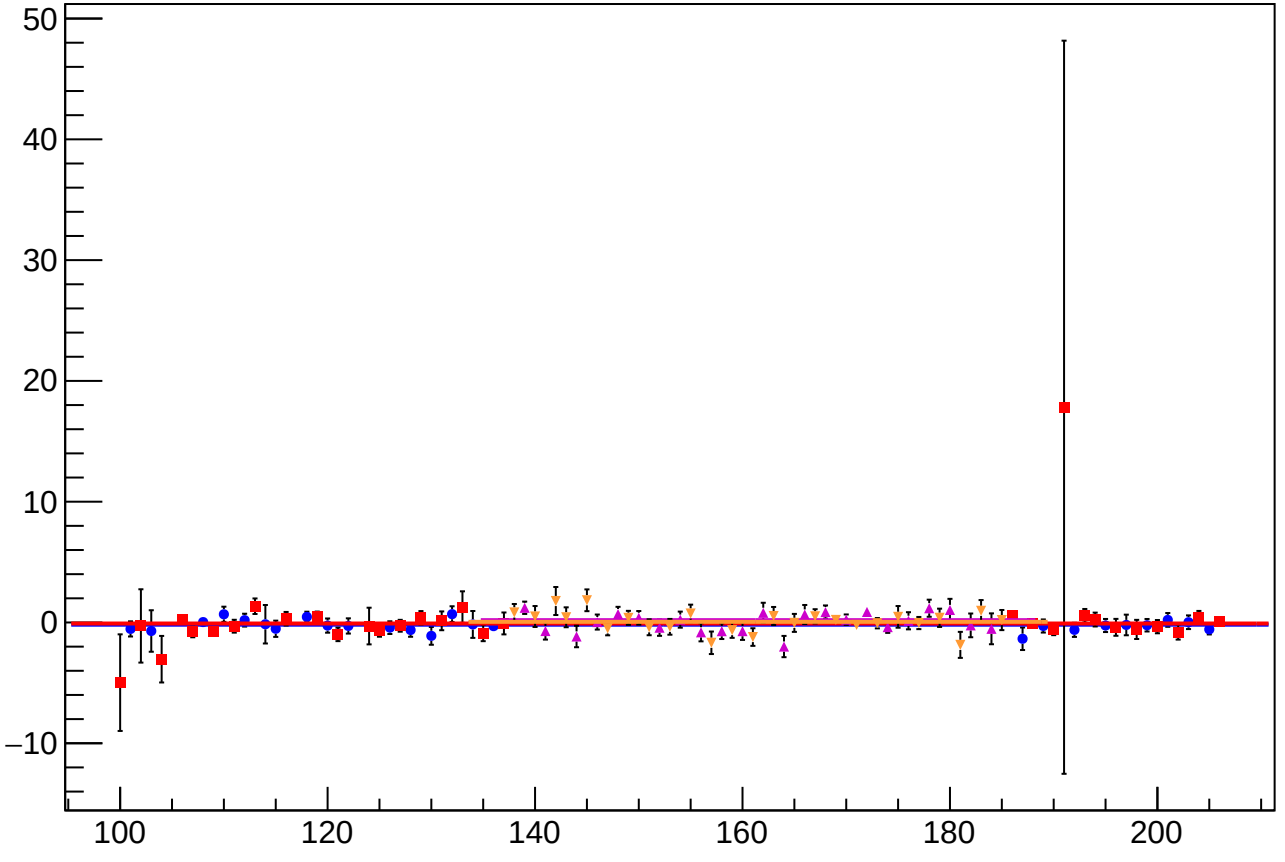
Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 461.410+/-0.061 χ^2/NDF: 6223830.9/49

All: 426.808+/-0.040 χ^2/NDF: 17534057.3/10

- sign 399.505+/-0.054 χ^2/NDF: 10730874.9/53

asym_atr2_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.086+/-0.093 χ^2/NDF: 34.0/30

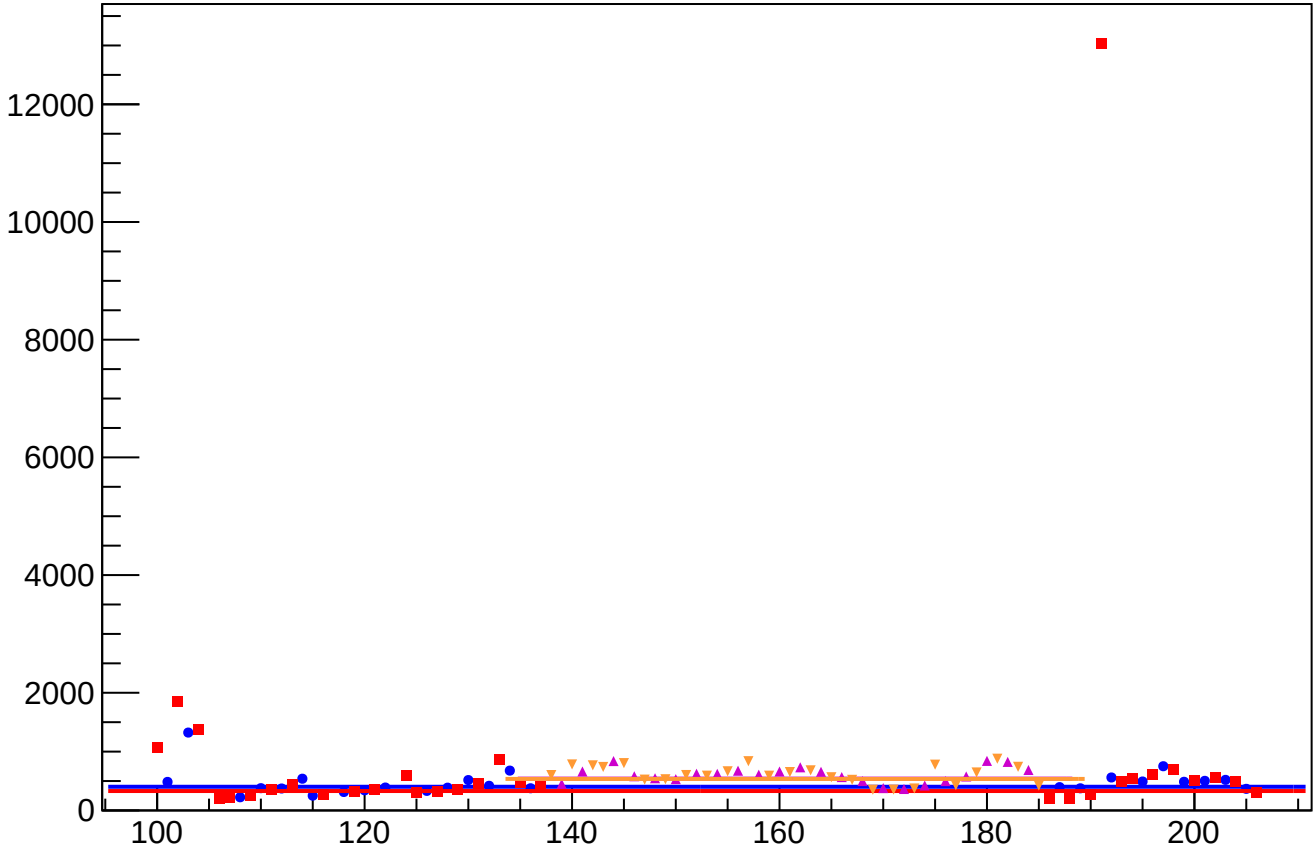
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.079+/-0.086 χ^2/NDF: 40.2/49

All: -0.032+/-0.057 χ^2/NDF: 108.8/103

- sign 0.005+/-0.076 χ^2/NDF: 68.1/53

asym_atr2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 402.627+/-0.081 χ^2/NDF: 2289086.7/24

Left Out: 535.943+/-0.092 χ^2/NDF:2749736.4/24

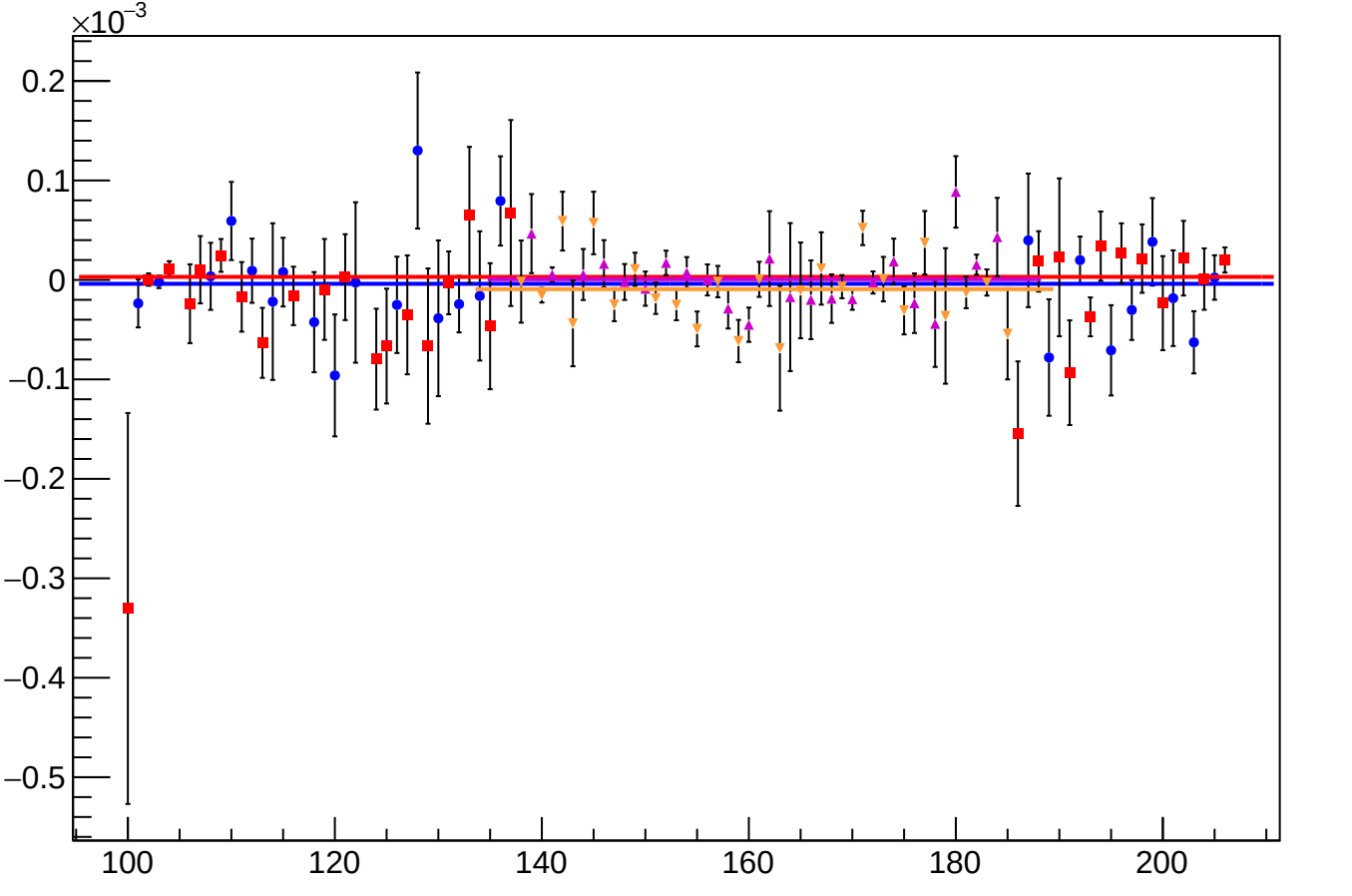
Right Out: 330.168+/-0.066 χ^2/NDF: 5467568.0/30

Left In: 540.804+/-0.094 χ^2/NDF:1904998.0/22

+ sign 461.410+/-0.061 χ^2/NDF: 6223830.9/49

All: 426.808+/-0.040 χ^2/NDF: 17534057.3/10

- sign 399.505+/-0.054 χ^2/NDF: 10730874.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 24.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:45.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/30

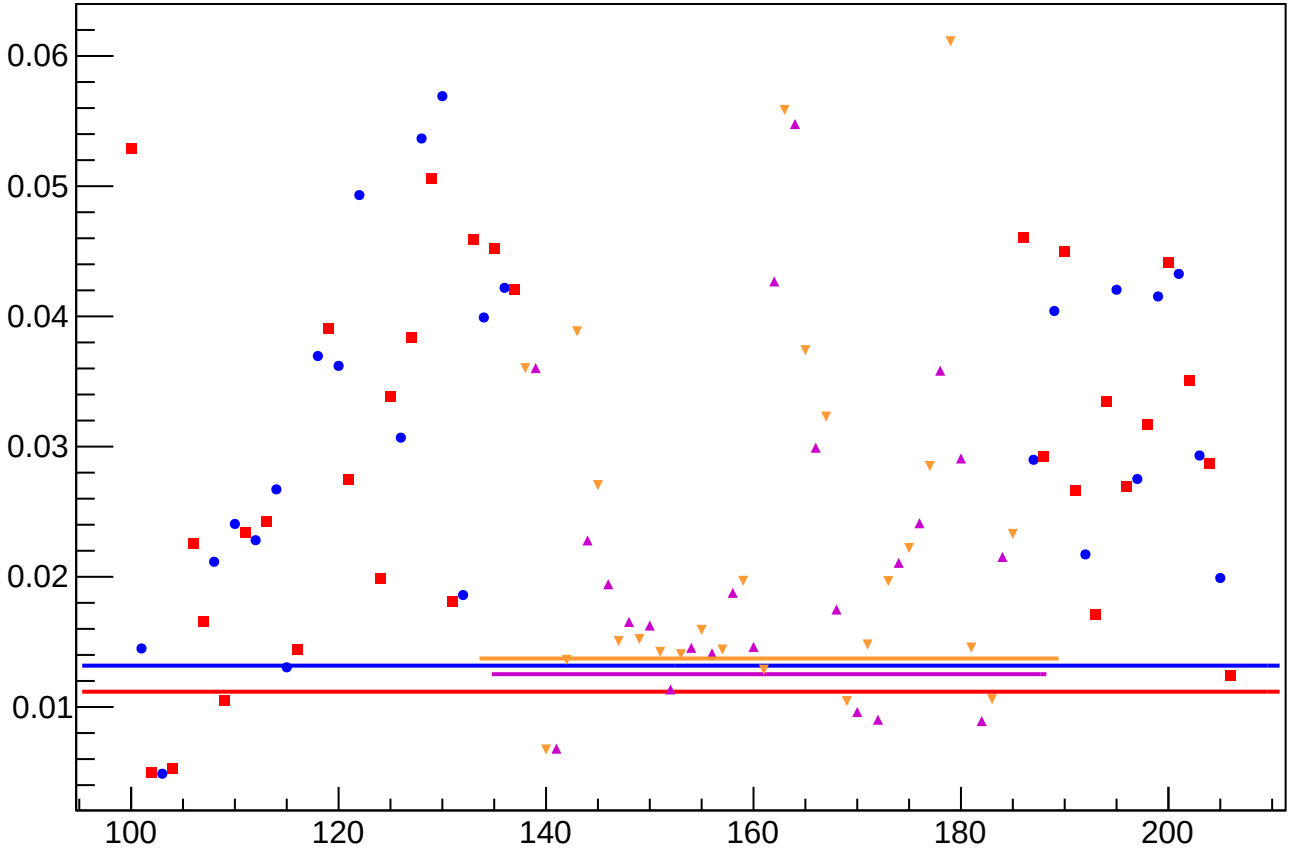
Left In: 0.000+/-0.000 χ^2/NDF:30.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.4/49

All: -0.000+/-0.000 χ^2/NDF: 141.2/103

- sign 0.000+/-0.000 χ^2/NDF: 65.1/53

asym_atr2_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 12202383.3/24

Left Out: 0.014+/-0.000 χ^2/NDF:7717157.8/24

Right Out: 0.011+/-0.000 χ^2/NDF: 14111318.2/30

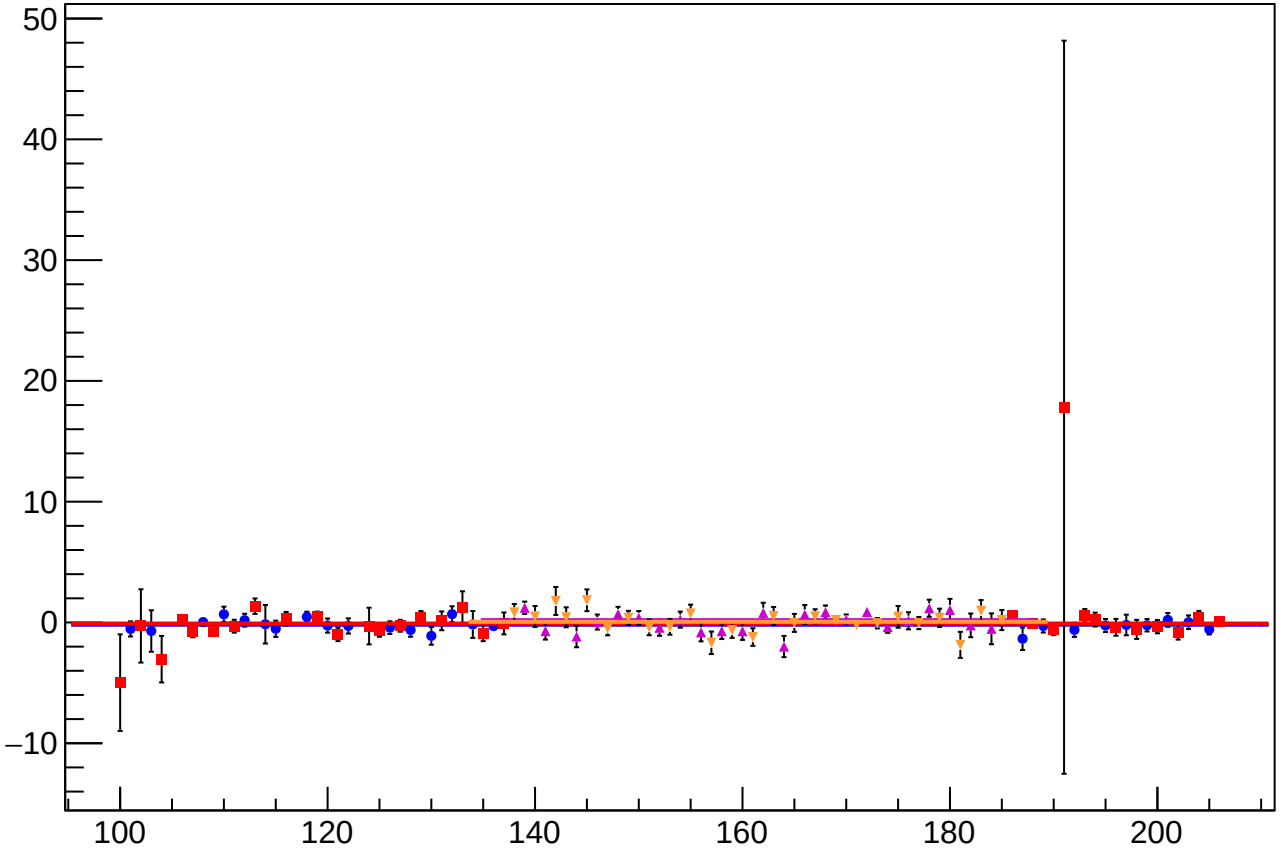
Left In: 0.013+/-0.000 χ^2/NDF:7121524.7/22

+ sign 0.014+/-0.000 χ^2/NDF: 19935884.5/49

All: 0.013+/-0.000 χ^2/NDF: 41667430.8/103

- sign 0.012+/-0.000 χ^2/NDF: 21373012.9/53

asym_atr2_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.086+/-0.093 χ^2/NDF: 34.0/30

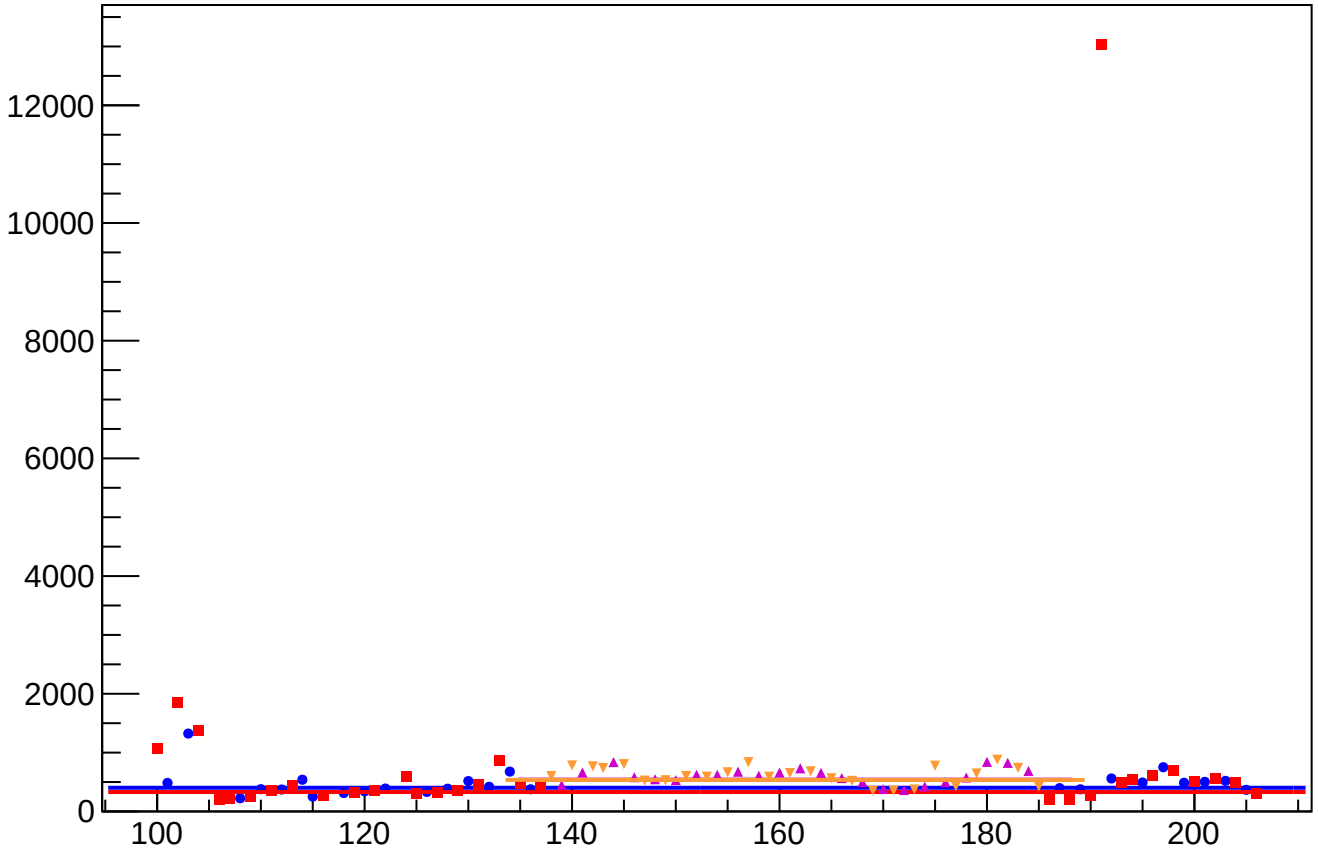
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.079+/-0.086 χ^2/NDF: 40.2/49

All: -0.032+/-0.057 χ^2/NDF: 108.8/103

- sign 0.005+/-0.076 χ^2/NDF: 68.1/53

asym_atr2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 402.624+/-0.081 χ^2/NDF: 2289128.0/24

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

Right Out: 330.168+/-0.066 χ^2/NDF: 5467548.9/30

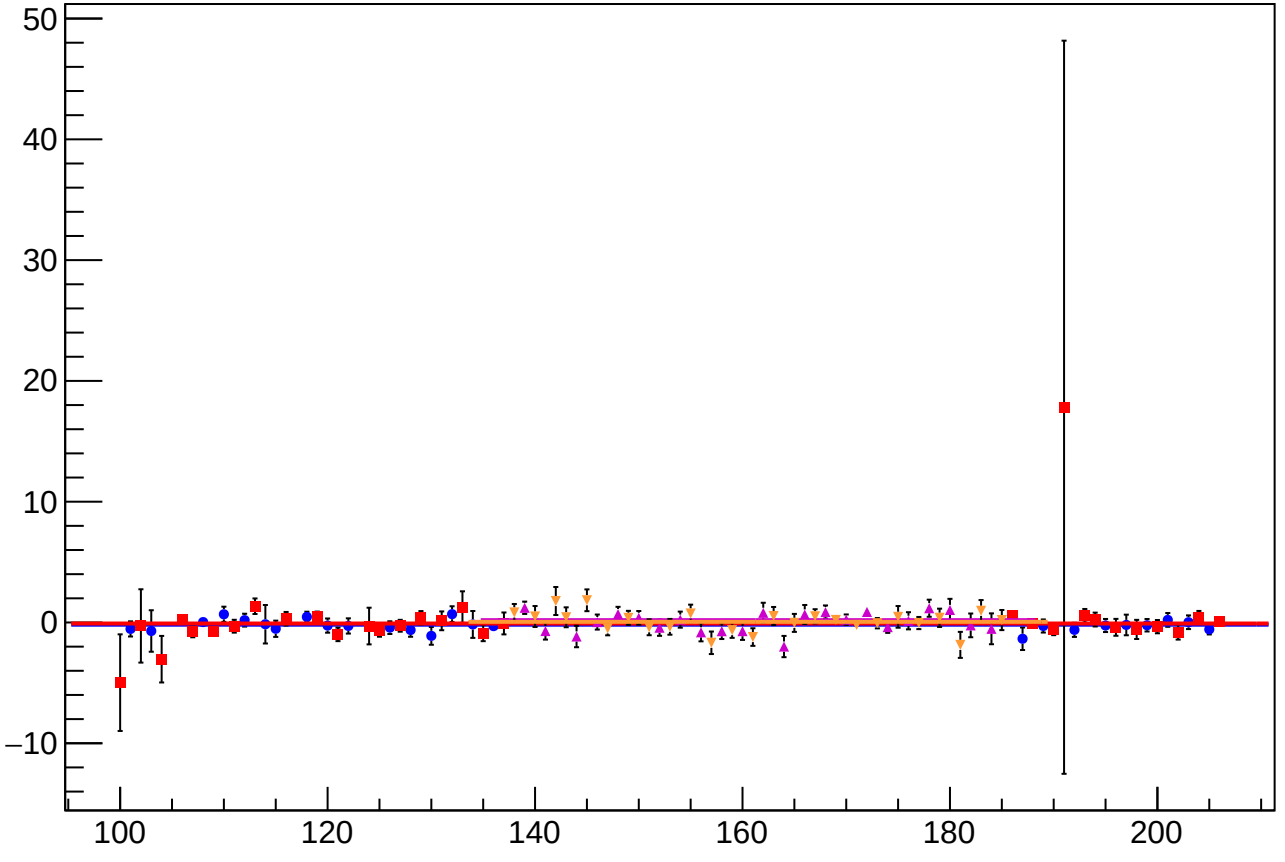
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 461.409+/-0.061 χ^2/NDF: 6224085.0/49

All: 426.808+/-0.040 χ^2/NDF: 17534409.6/10

- sign 399.506+/-0.054 χ^2/NDF: 10731006.1/53

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.183+/-0.115 χ^2/NDF: 13.6/24

Left Out: 0.054+/-0.130 χ^2/NDF:24.7/24

Right Out: -0.086+/-0.093 χ^2/NDF: 34.0/30

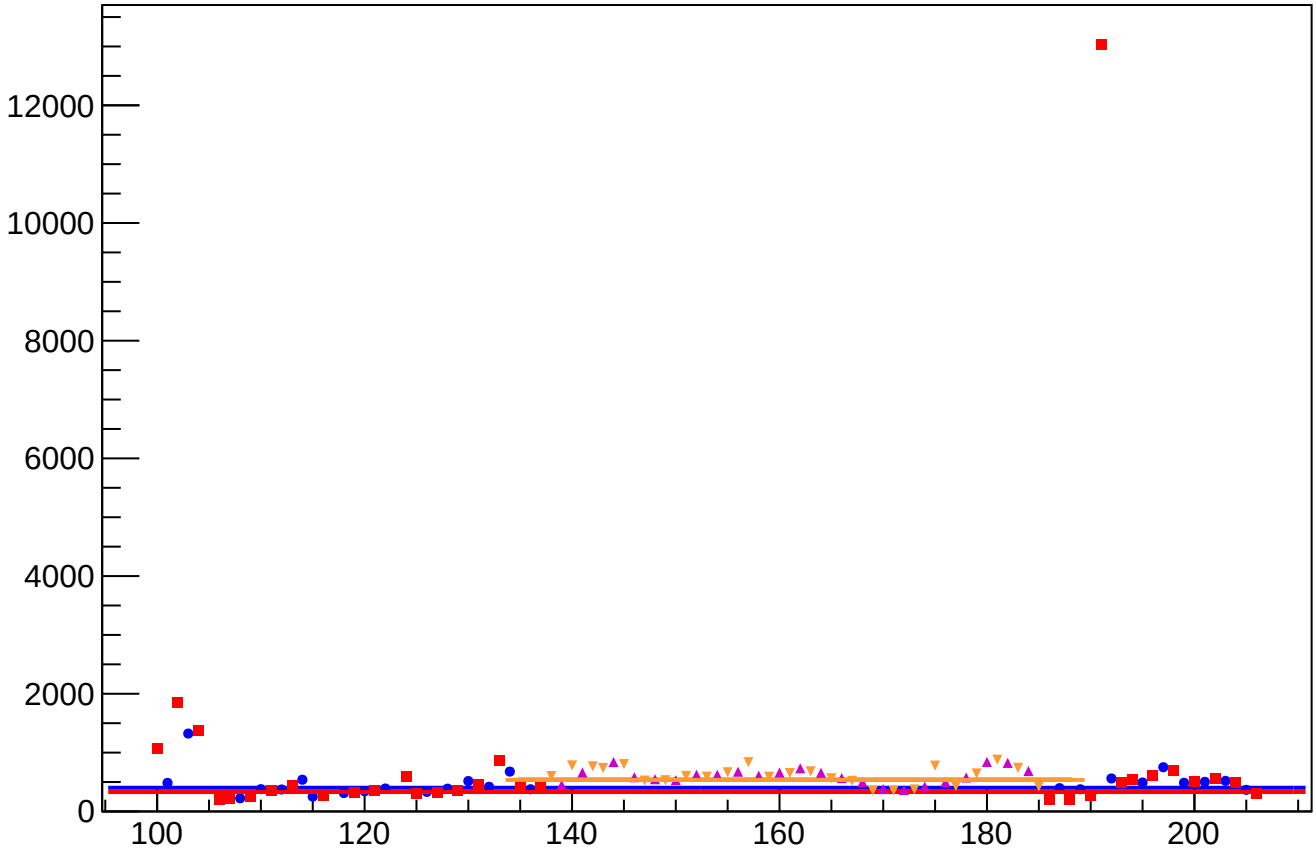
Left In: 0.191+/-0.133 χ^2/NDF:31.1/22

+ sign -0.079+/-0.086 χ^2/NDF: 40.2/49

All: -0.032+/-0.057 χ^2/NDF: 108.8/103

- sign 0.005+/-0.076 χ^2/NDF: 68.1/53

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 402.624+/-0.081 χ^2/NDF: 2289128.0/24

Left Out: 535.948+/-0.092 χ^2/NDF:2749816.2/24

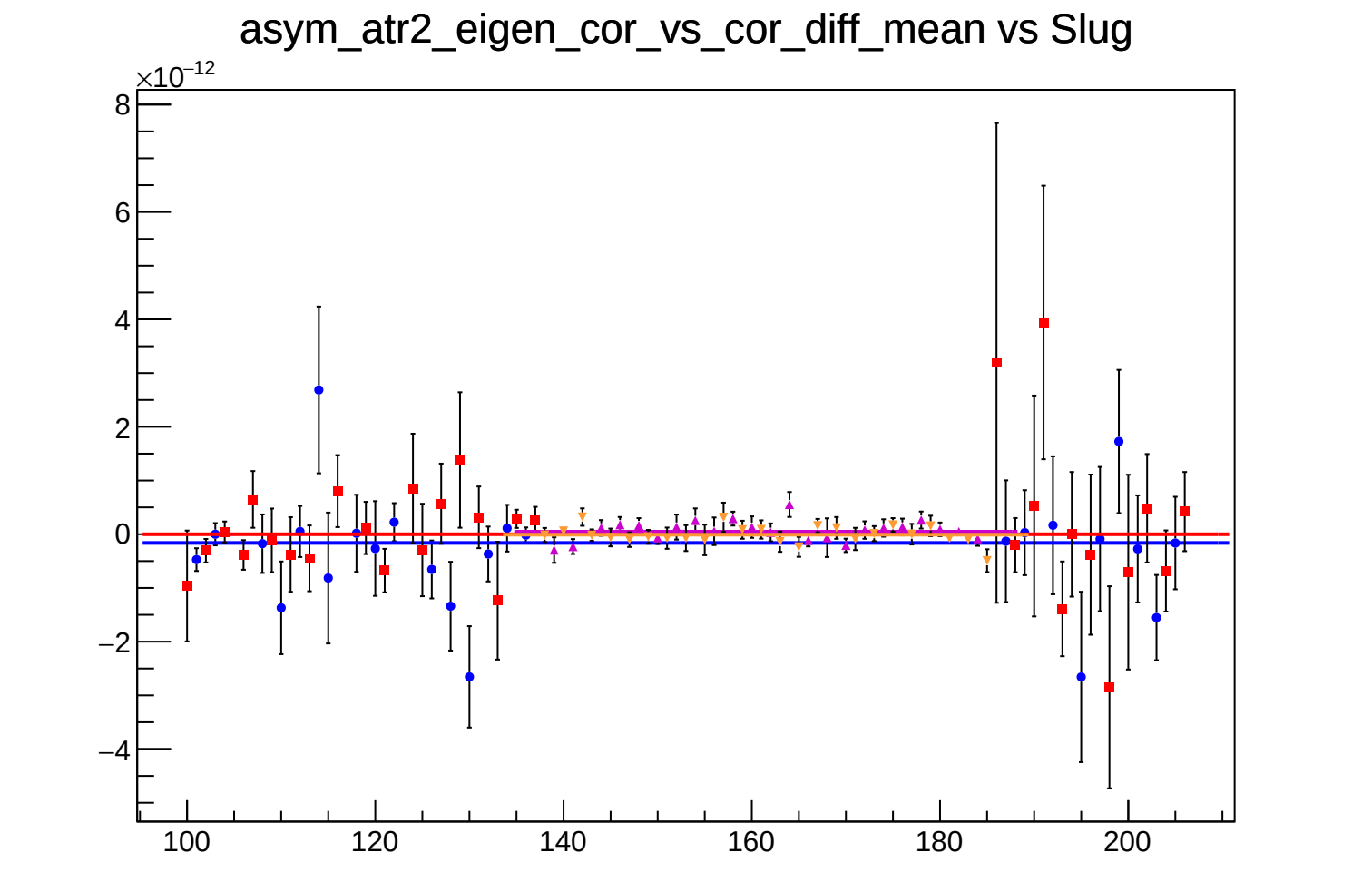
Right Out: 330.168+/-0.066 χ^2/NDF: 5467548.9/30

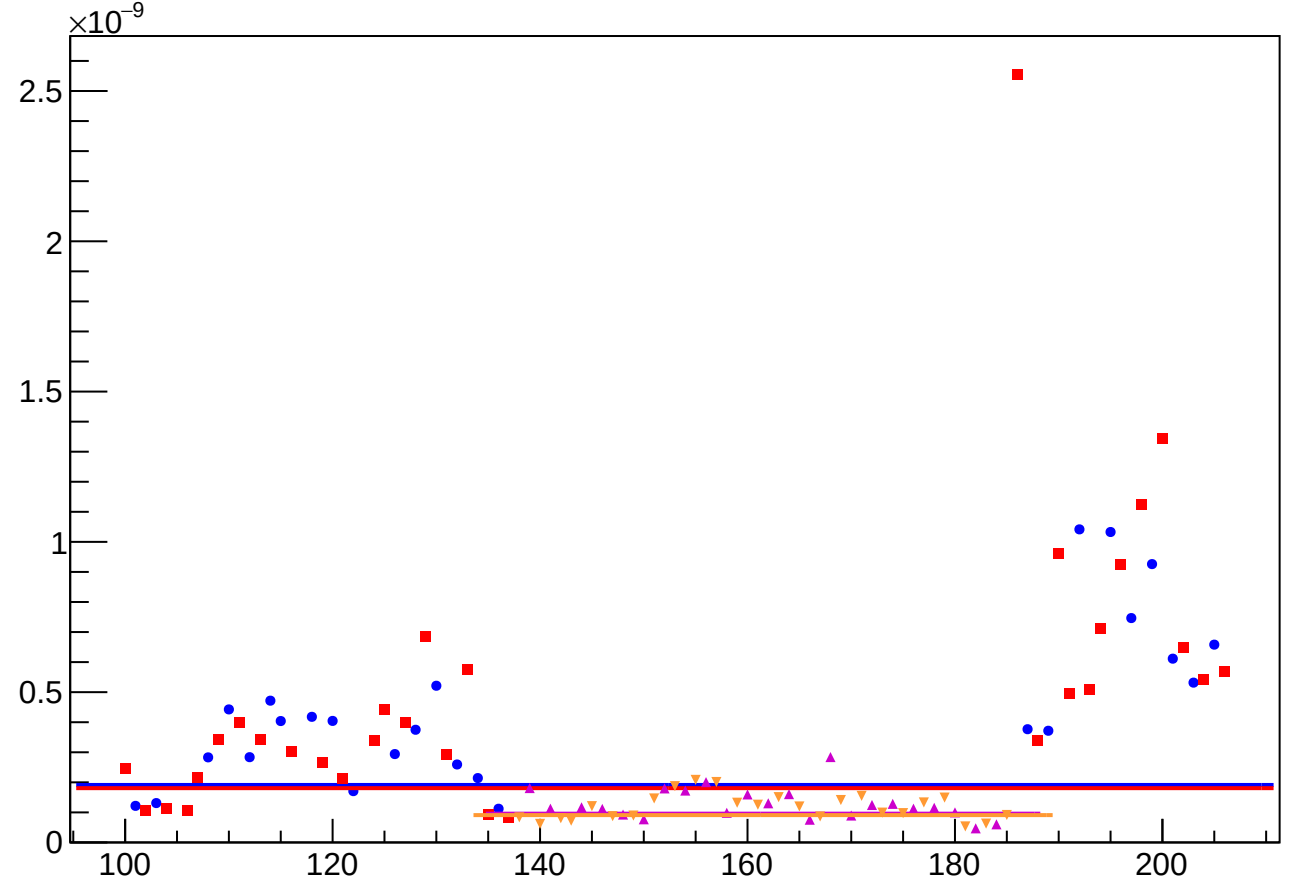
Left In: 540.809+/-0.094 χ^2/NDF:1905035.9/22

+ sign 461.409+/-0.061 χ^2/NDF: 6224085.0/49

All: 426.808+/-0.040 χ^2/NDF: 17534409.6/10

- sign 399.506+/-0.054 χ^2/NDF: 10731006.1/53


asym_atr2_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 29.0/24
Left Out: -0.000+/-0.000 χ²/NDF:22.1/24
Right Out: -0.000+/-0.000 χ²/NDF: 29.0/30
Left In: 0.000+/-0.000 χ²/NDF:28.2/22
+ sign -0.000+/-0.000 χ²/NDF: 54.0/49
All: 0.000+/-0.000 χ²/NDF: 114.4/103
- sign 0.000+/-0.000 χ²/NDF: 57.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 6065413.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:3367730.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8175786.3/30

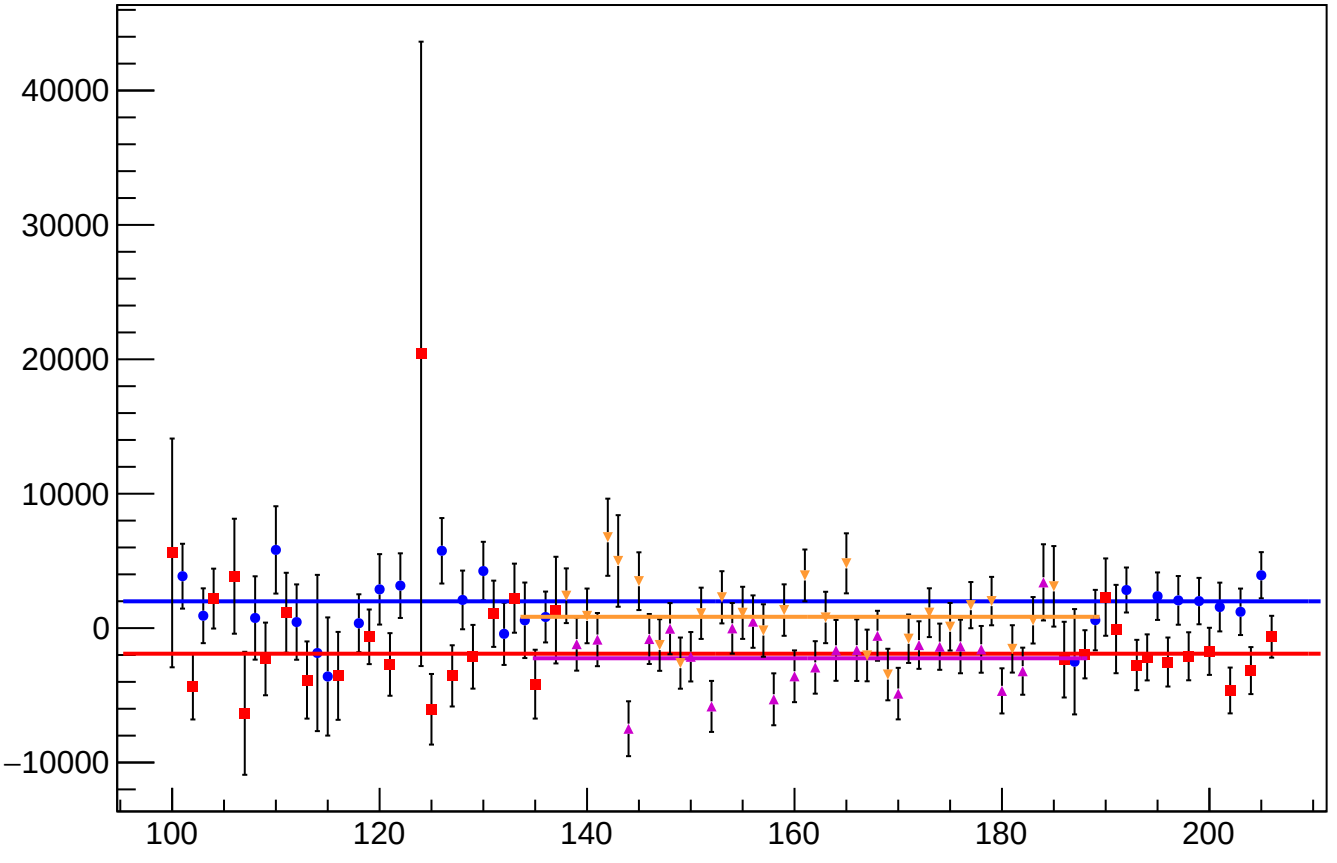
Left In: 0.000+/-0.000 χ^2/NDF:3905784.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 11974151.3/49

All: 0.000+/-0.000 χ^2/NDF: 26067099.5/103

- sign 0.000+/-0.000 χ^2/NDF: 14057414.2/53

reg_asym_atl_avg_mean vs Slug



Right In: 1993.451+/-443.073 χ^2/NDF: 14.4/24

Left Out: 841.572+/-394.444 χ^2/NDF:30.4/24

Right Out: -1904.318+/-417.940 χ^2/NDF: 26.2/30

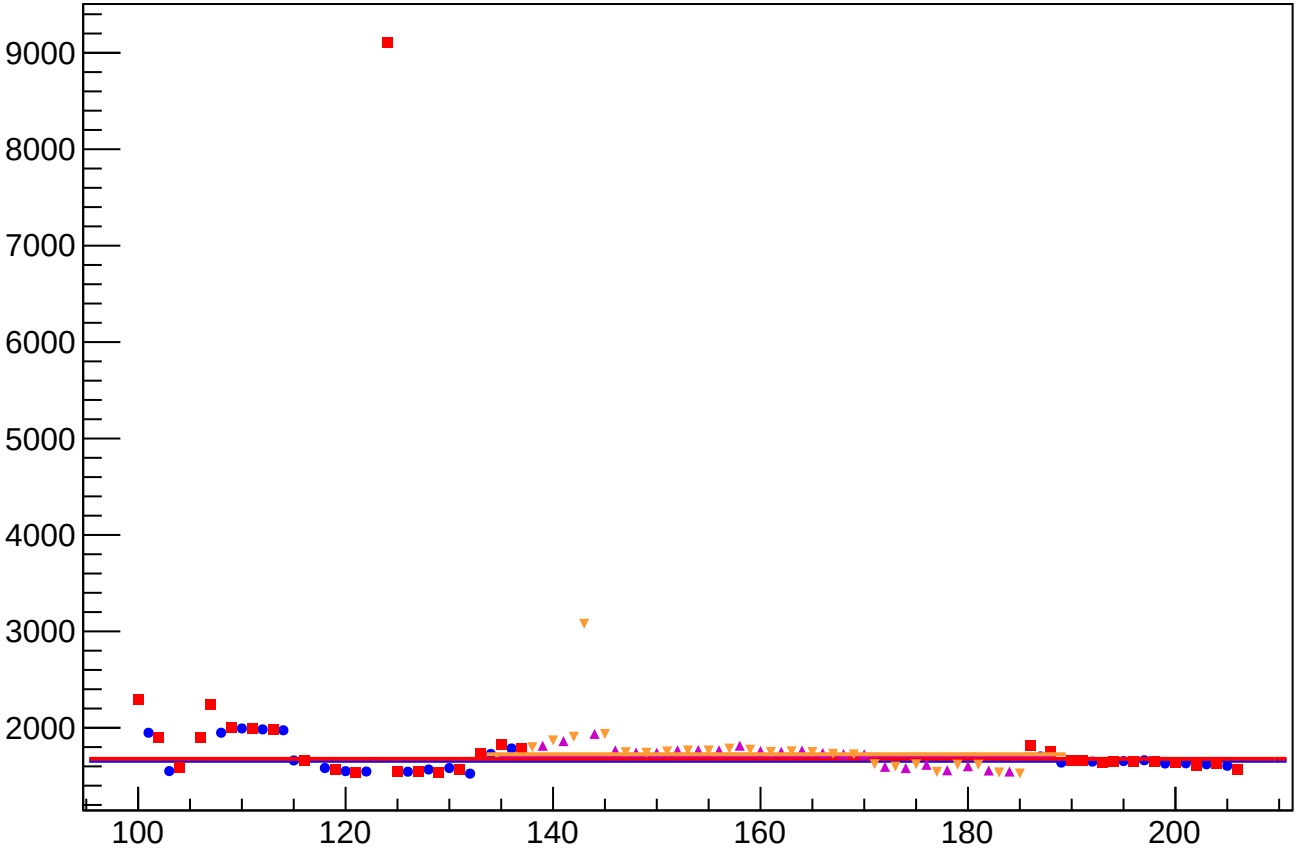
Left In: -2245.041+/-400.753 χ^2/NDF:29.4/22

+ sign 1350.855+/-294.613 χ^2/NDF: 48.6/49

All: -396.950+/-206.404 χ^2/NDF: 173.7/103

- sign -2081.829+/-289.261 χ^2/NDF: 56.0/53

reg_asym_atl_avg_rms vs Slug



Right In: 1658.384+/-0.313 χ^2/NDF: 147757.4/24

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1677.914+/-0.295 χ^2/NDF: 417810.7/30

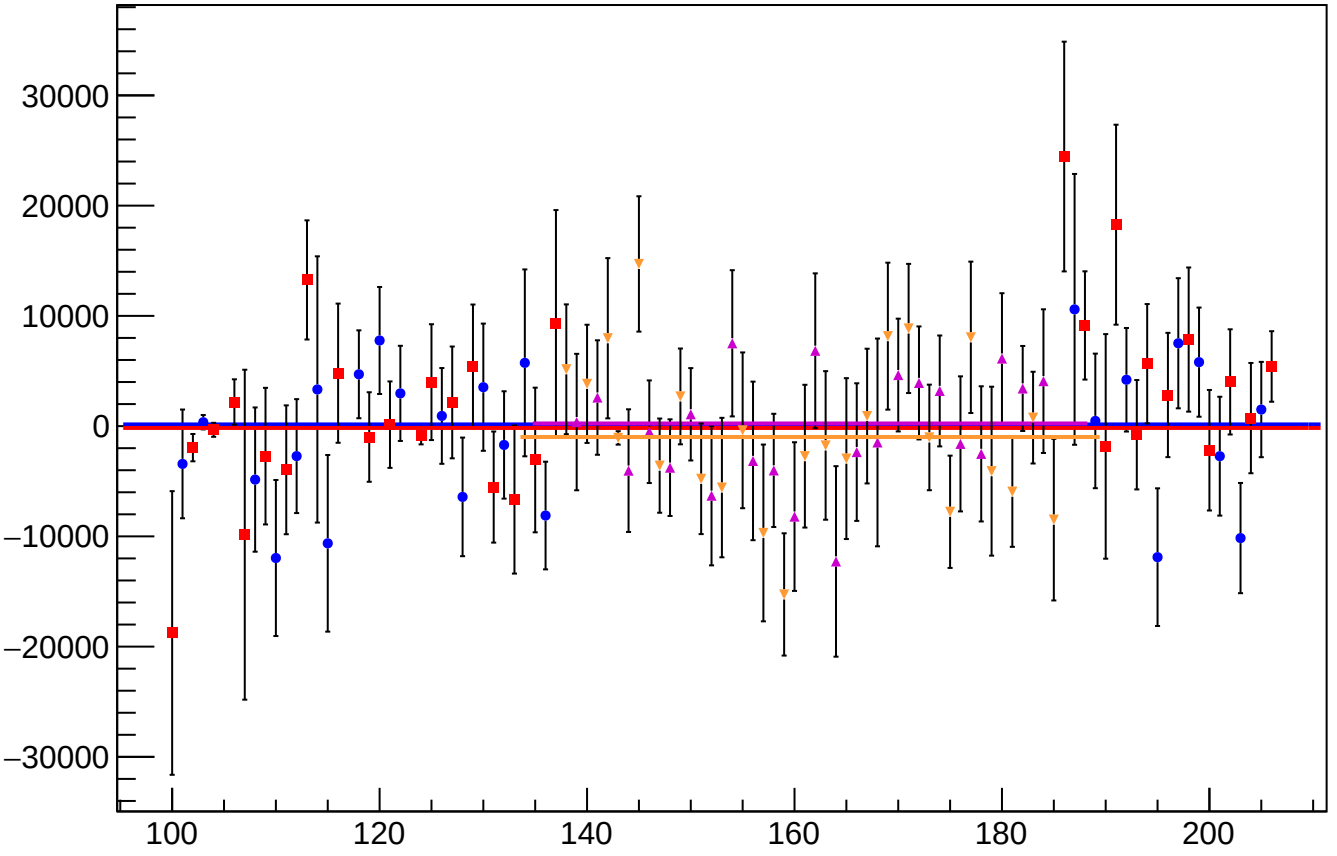
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1696.137+/-0.208 χ^2/NDF: 628717.2/49

All: 1696.189+/-0.146 χ^2/NDF: 1183242.9/10

- sign 1696.239+/-0.204 χ^2/NDF: 554525.6/53

asym_atl_avg_reg_correction_mean vs Slug



Right In: 152.836+/-562.631 χ^2/NDF: 28.5/24

Left Out: -987.621+/-541.250 χ^2/NDF:30.8/24

Right Out: -165.265+/-409.645 χ^2/NDF: 39.5/30

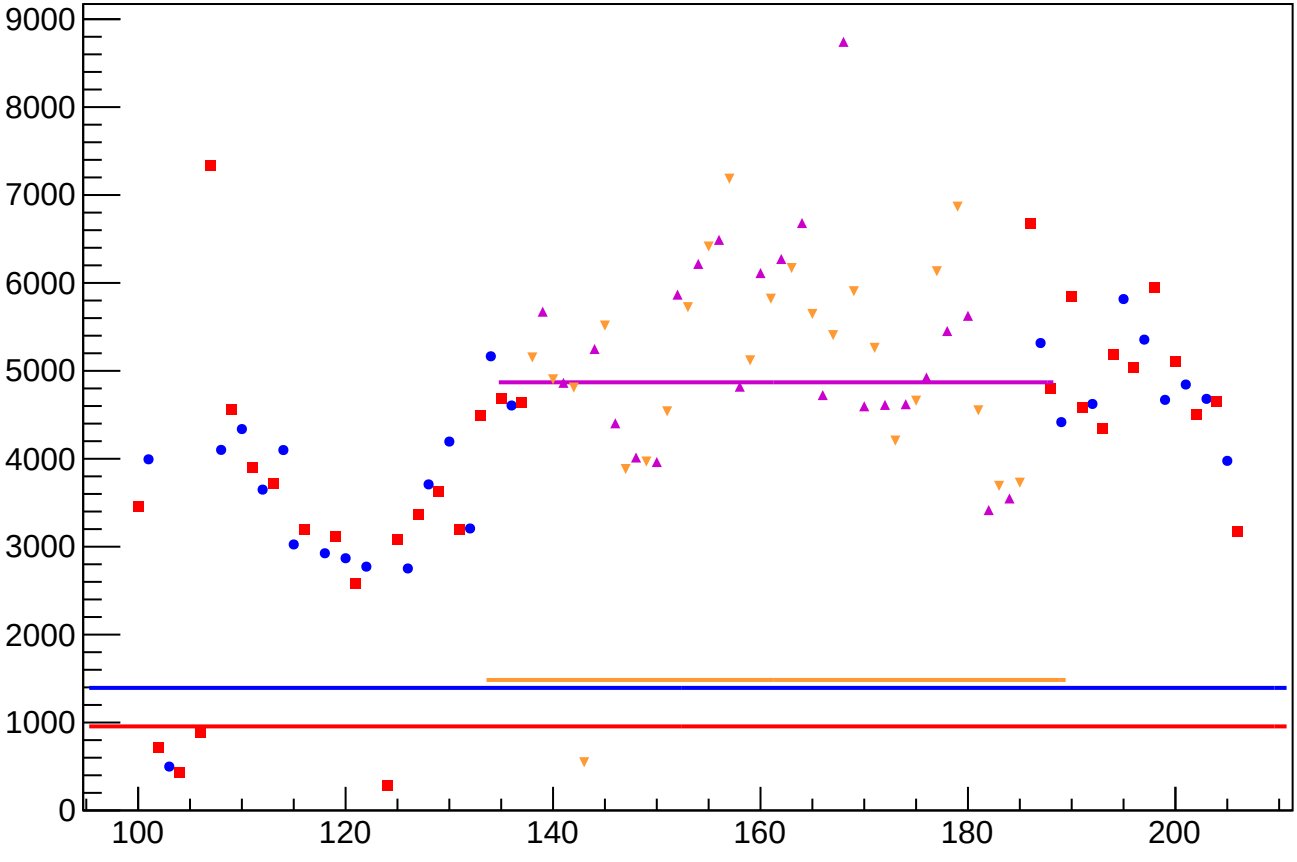
Left In: 239.582+/-1165.046 χ^2/NDF:13.5/22

+ sign -439.473+/-390.061 χ^2/NDF: 61.5/49

All: -278.615+/-274.530 χ^2/NDF: 114.9/103

- sign -120.721+/-386.452 χ^2/NDF: 53.2/53

asym_atl_avg_reg_correction_rms vs Slug



Right In: 1394.071+/-0.398 χ^2/NDF: 15633109.0/24

Left Out: 1484.563+/-0.383 χ^2/NDF:23224946.4/24

Right Out: 956.014+/-0.290 χ^2/NDF: 20714291.9/30

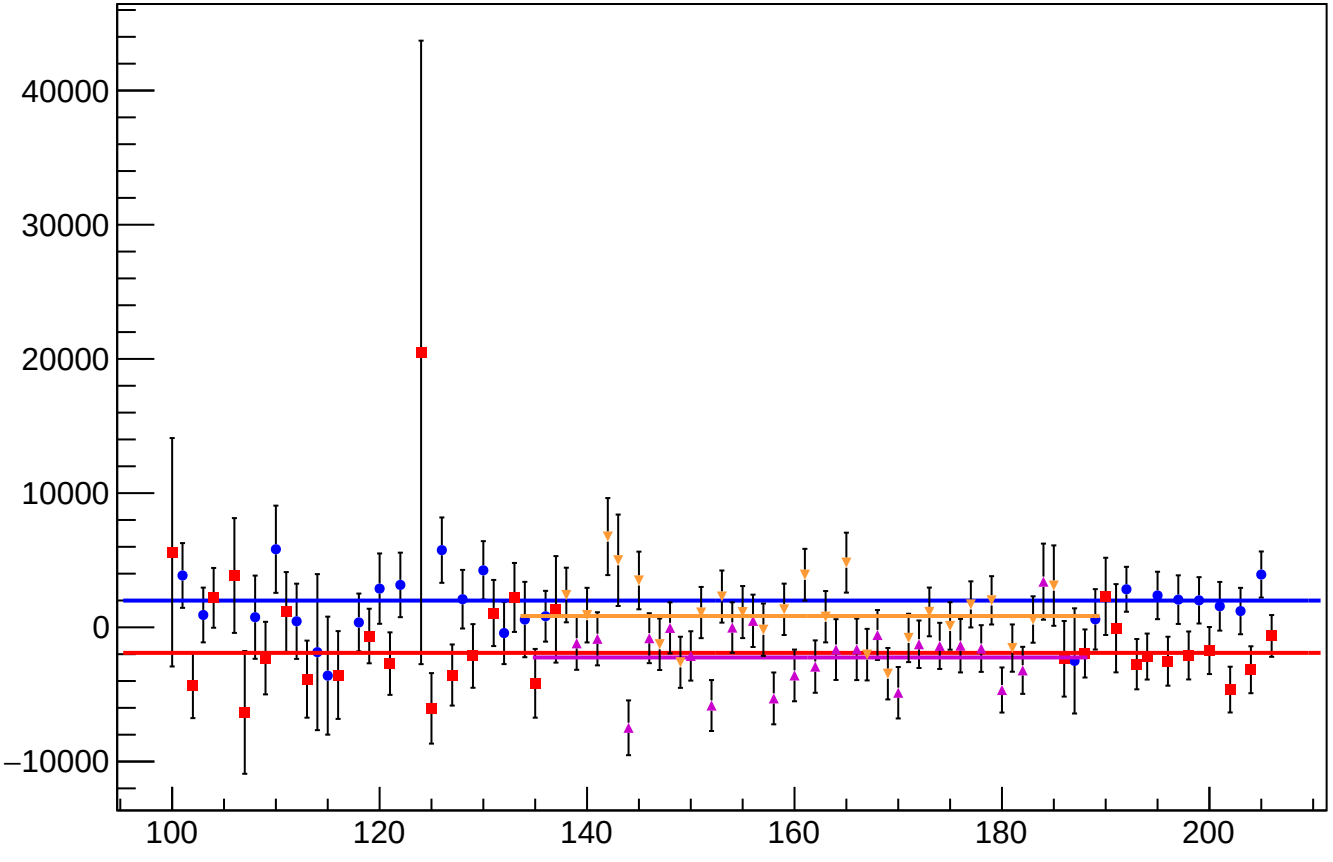
Left In: 4869.707+/-0.824 χ^2/NDF:1474225.9/22

+ sign 1441.069+/-0.276 χ^2/NDF: 38884925.8/49

All: 1413.597+/-0.194 χ^2/NDF: 81179094.8/1

- sign 1386.631+/-0.273 χ^2/NDF: 42274510.2/53

cor_asym_atl_avg_mean vs Slug



Right In: 1993.519+/-443.073 χ^2/NDF: 14.4/24

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1903.283+/-417.942 χ^2/NDF: 26.2/30

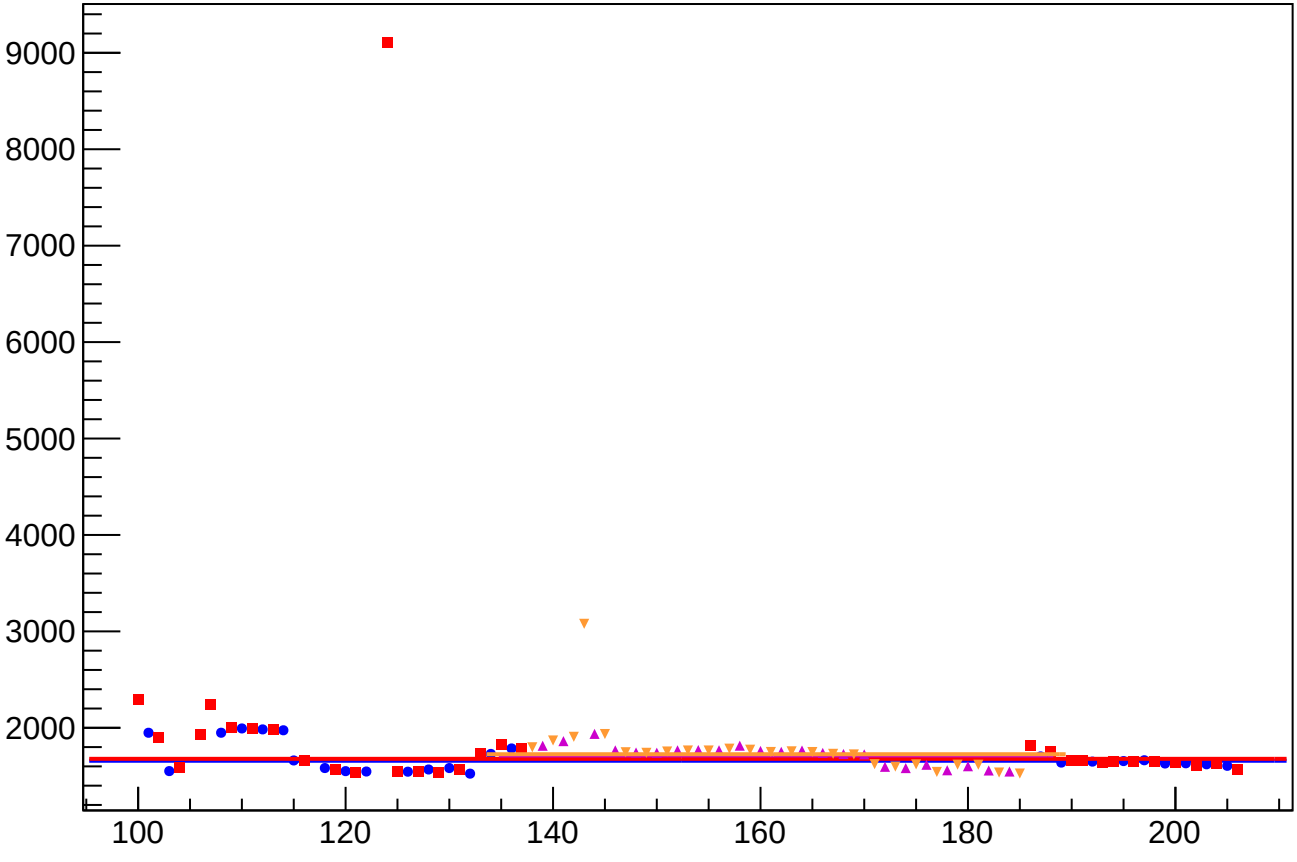
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1350.881+/-294.613 χ^2/NDF: 48.6/49

All: -396.687+/-206.405 χ^2/NDF: 173.7/103

- sign -2081.344+/-289.261 χ^2/NDF: 56.0/53

cor_asym_atl_avg_rms vs Slug



Right In: 1658.384+/-0.313 χ^2/NDF: 147757.5/24

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1678.252+/-0.295 χ^2/NDF: 419877.6/30

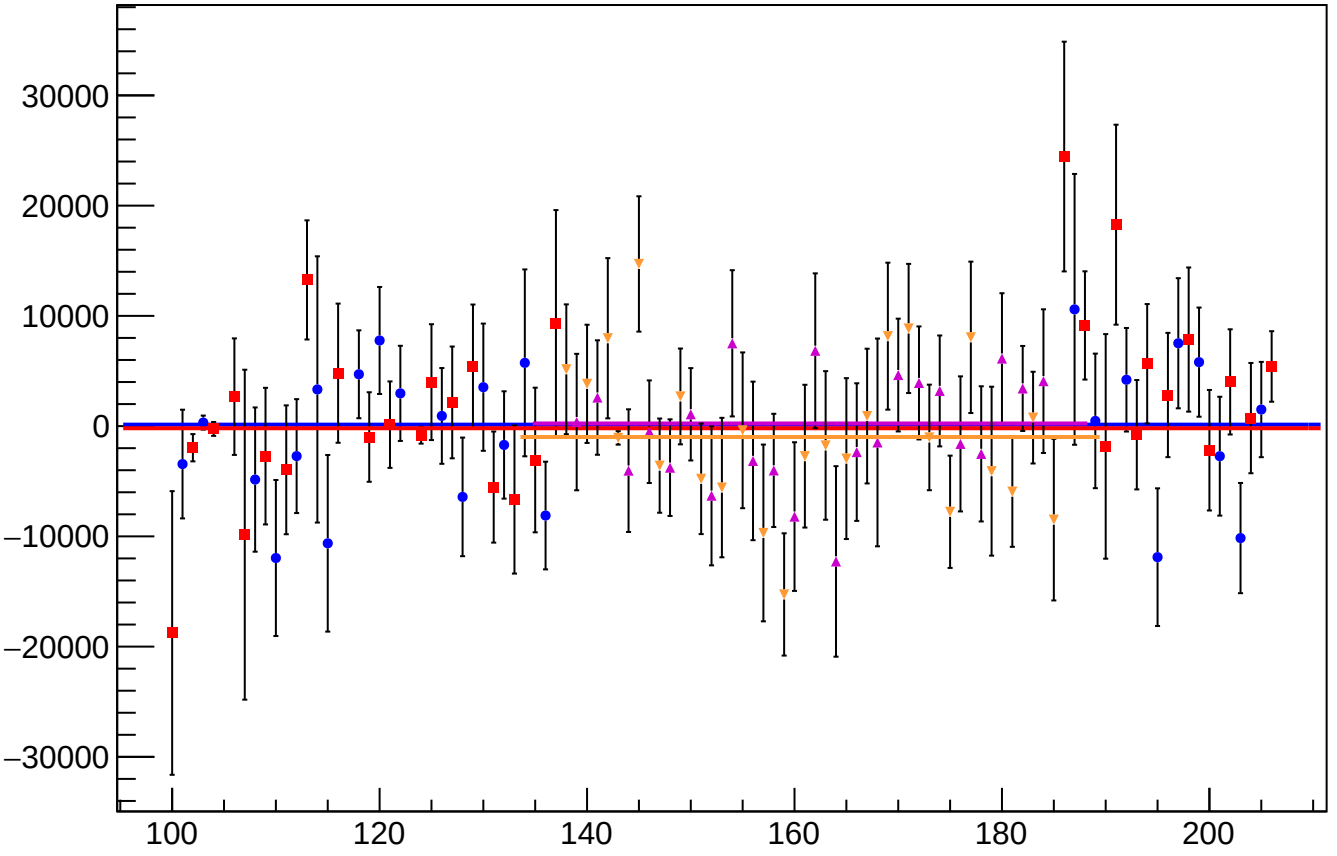
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1696.137+/-0.208 χ^2/NDF: 628717.3/49

All: 1696.274+/-0.146 χ^2/NDF: 1185167.2/10

- sign 1696.405+/-0.204 χ^2/NDF: 556449.1/53

asym_atl_avg_cor_correction_mean vs Slug



Right In: 133.682+/-552.062 χ^2/NDF: 28.5/24

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -193.596+/-414.874 χ^2/NDF: 38.3/30

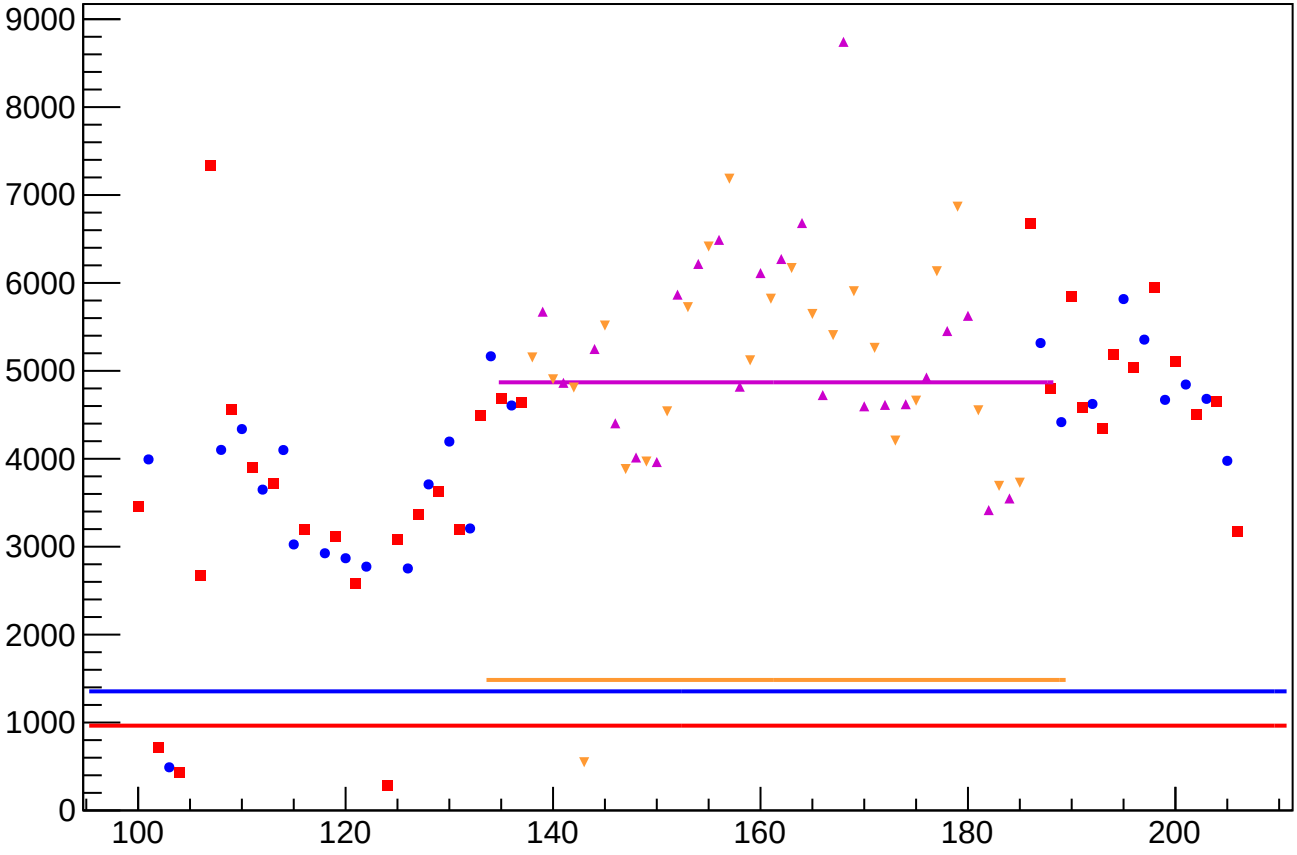
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -437.908+/-386.481 χ^2/NDF: 61.4/49

All: -293.024+/-274.809 χ^2/NDF: 113.7/103

- sign -144.859+/-390.833 χ^2/NDF: 52.0/53

asym_atl_avg_cor_correction_rms vs Slug



Right In: 1354.658+/-0.390 χ^2/NDF: 15890516.3/24

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 964.518+/-0.293 χ^2/NDF: 20960776.7/30

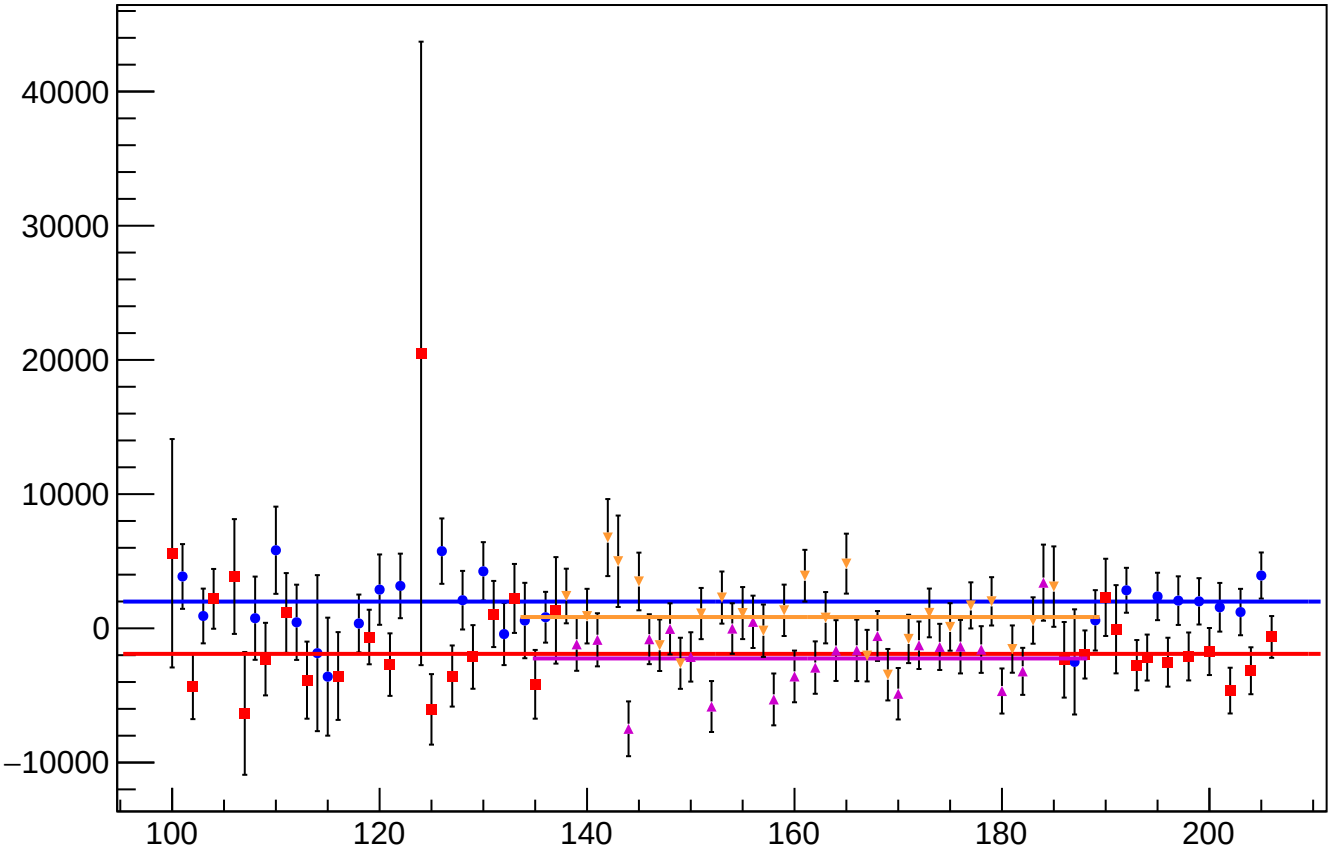
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1420.857+/-0.273 χ^2/NDF: 39172486.0/49

All: 1412.521+/-0.194 χ^2/NDF: 81551785.9/1

- sign 1403.996+/-0.276 χ^2/NDF: 42377417.9/53

eigen_cor_asym_atl_avg_mean vs Slug



Right In: 1993.519+/-443.073 χ^2/NDF: 14.4/24

Left Out: 841.564+/-394.444 χ^2/NDF:30.4/24

Right Out: -1903.283+/-417.942 χ^2/NDF: 26.2/30

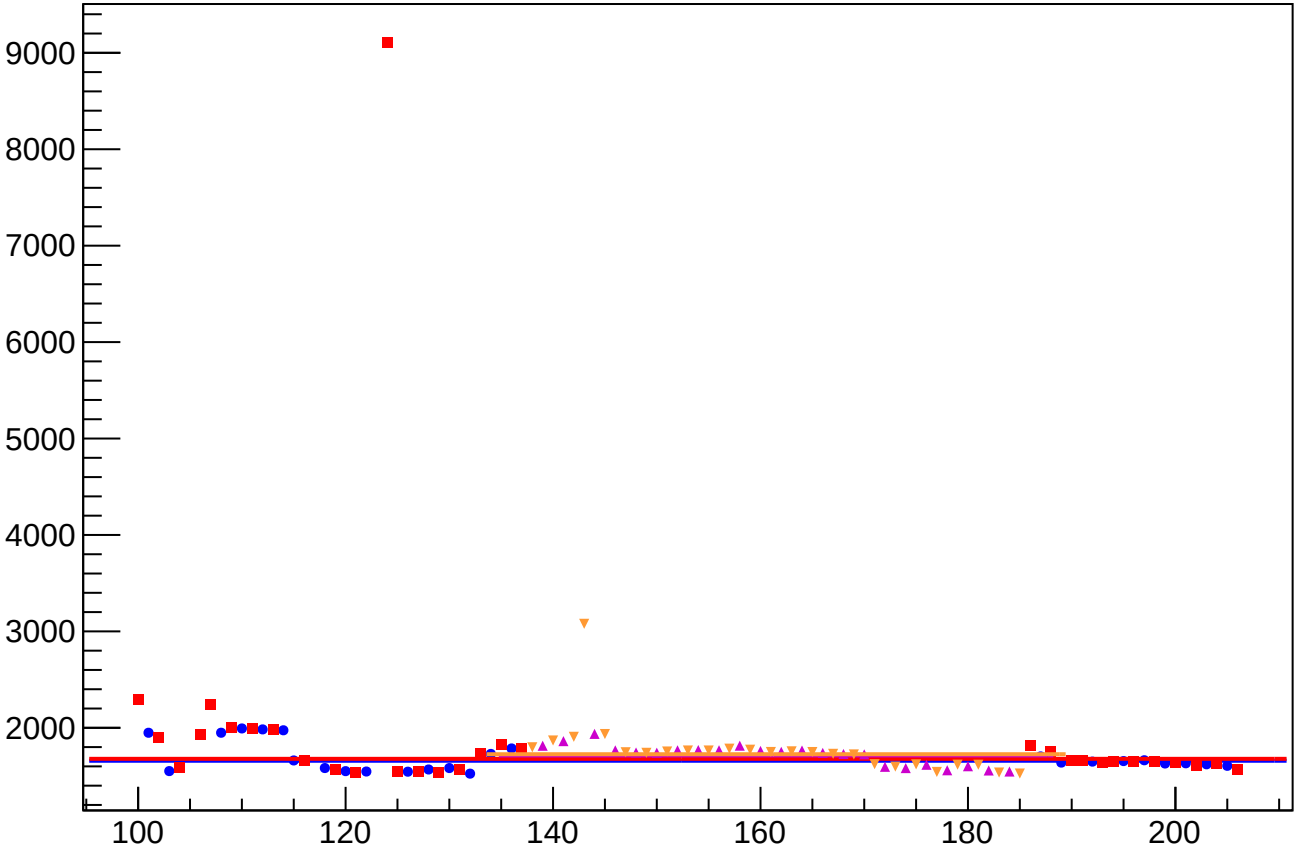
Left In: -2245.061+/-400.753 χ^2/NDF:29.4/22

+ sign 1350.881+/-294.613 χ^2/NDF: 48.6/49

All: -396.687+/-206.405 χ^2/NDF: 173.7/103

- sign -2081.344+/-289.261 χ^2/NDF: 56.0/53

eigen_cor_asym_atl_avg_rms vs Slug



Right In: 1658.384+/-0.313 χ^2/NDF: 147757.5/24

Left Out: 1726.058+/-0.279 χ^2/NDF:454930.8/24

Right Out: 1678.252+/-0.295 χ^2/NDF: 419877.6/30

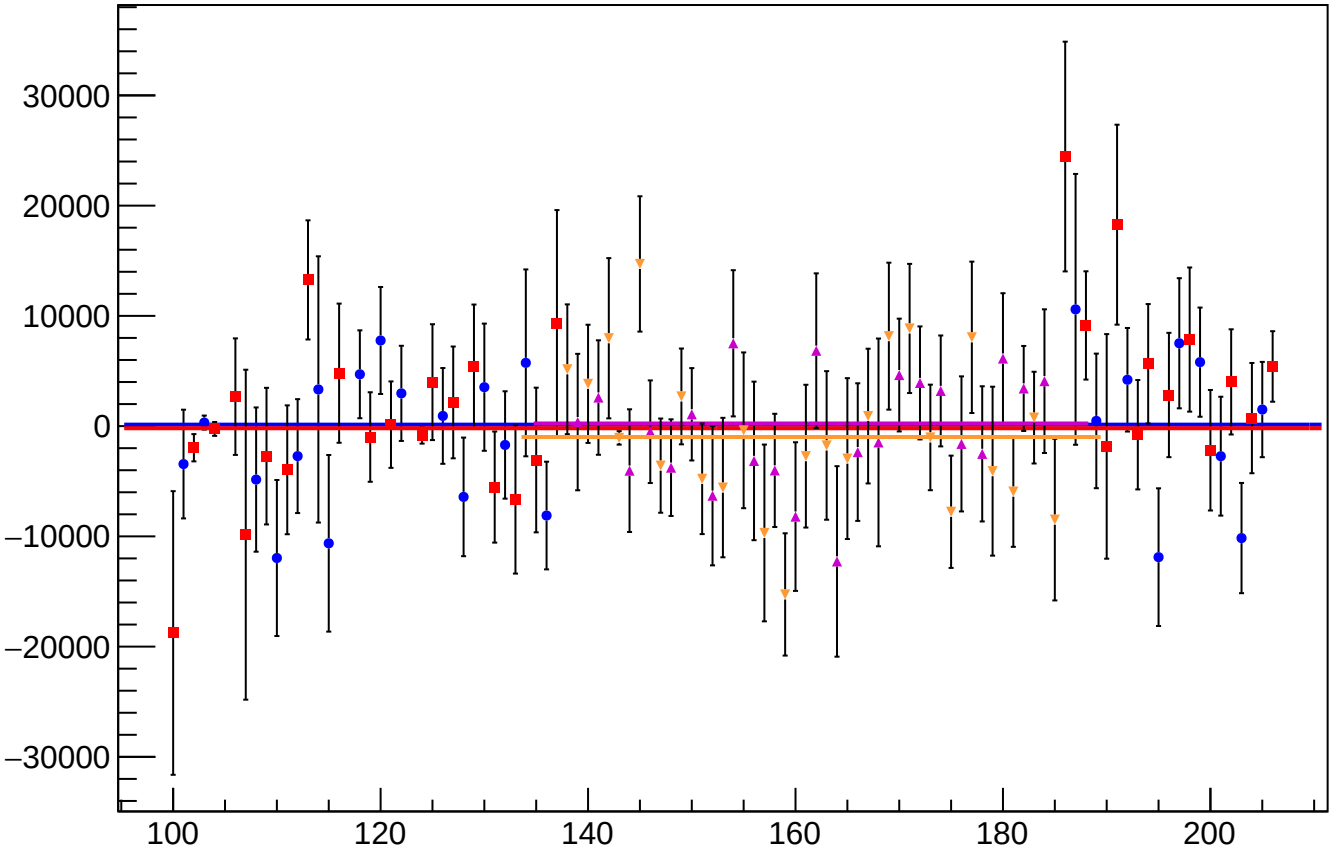
Left In: 1713.156+/-0.283 χ^2/NDF:129290.6/22

+ sign 1696.137+/-0.208 χ^2/NDF: 628717.3/49

All: 1696.274+/-0.146 χ^2/NDF: 1185167.2/10

- sign 1696.405+/-0.204 χ^2/NDF: 556449.1/53

asym_atl_avg_eigen_cor_correction_mean vs Slug



Right In: 133.682+/-552.062 χ^2/NDF: 28.5/24

Left Out: -987.291+/-541.232 χ^2/NDF:30.8/24

Right Out: -193.596+/-414.874 χ^2/NDF: 38.3/30

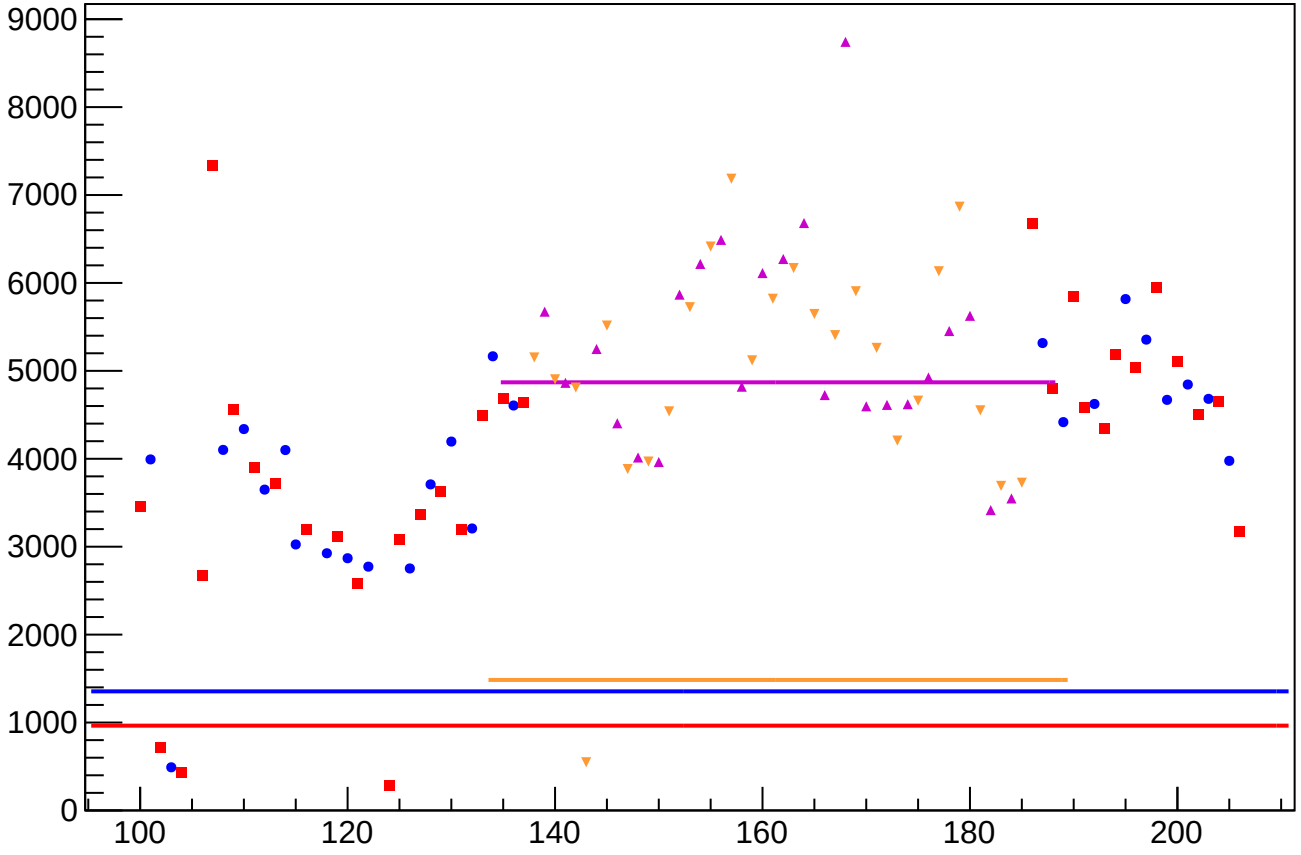
Left In: 239.478+/-1165.045 χ^2/NDF:13.5/22

+ sign -437.908+/-386.481 χ^2/NDF: 61.4/49

All: -293.024+/-274.809 χ^2/NDF: 113.7/103

- sign -144.859+/-390.833 χ^2/NDF: 52.0/53

asym_atl_avg_eigen_cor_correction_rms vs Slug



Right In: 1354.658+/-0.390 χ^2/NDF: 15890516.3/24

Left Out: 1484.485+/-0.383 χ^2/NDF:23225570.5/24

Right Out: 964.518+/-0.293 χ^2/NDF: 20960776.7/30

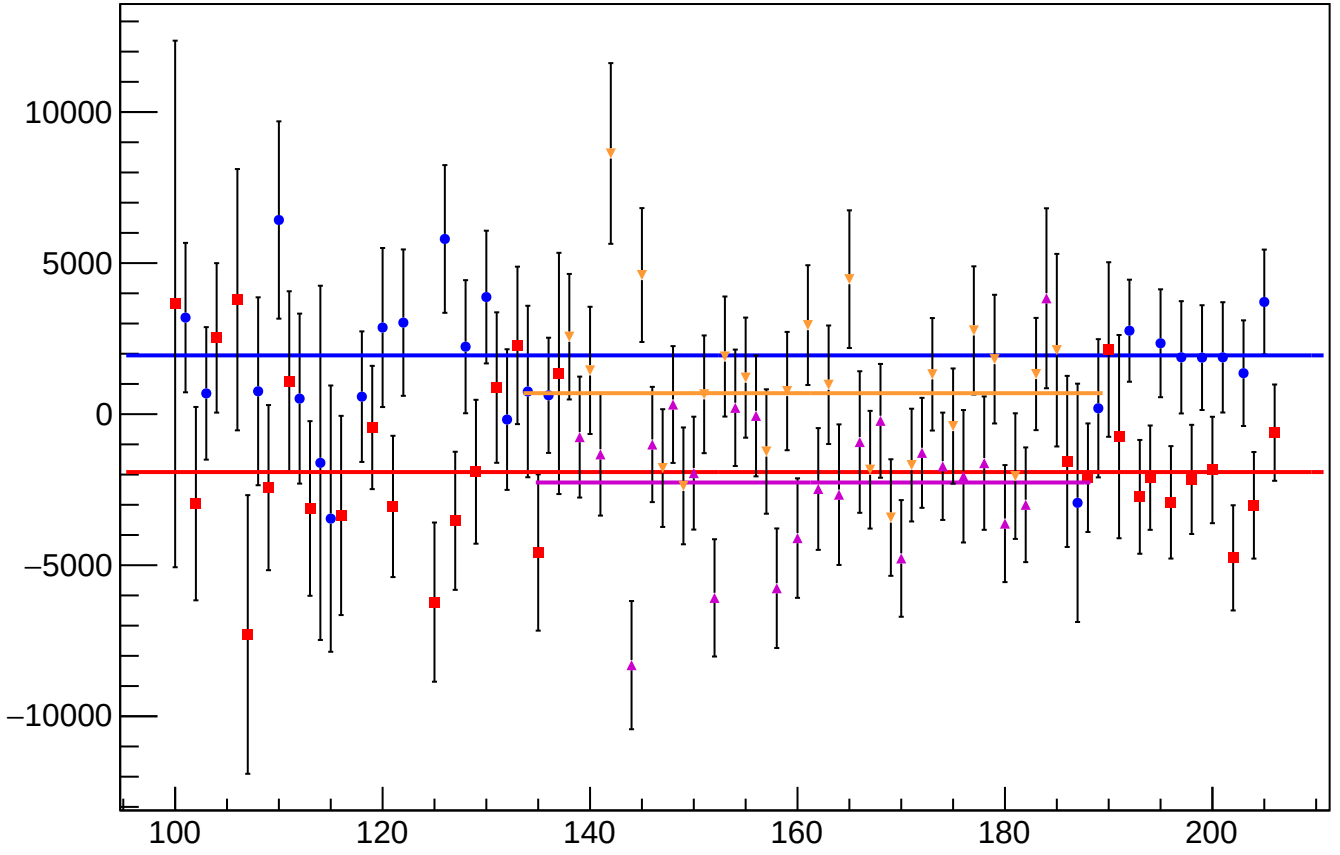
Left In: 4869.699+/-0.824 χ^2/NDF:1474252.6/22

+ sign 1420.857+/-0.273 χ^2/NDF: 39172486.0/49

All: 1412.521+/-0.194 χ^2/NDF: 81551785.9/1

- sign 1403.996+/-0.276 χ^2/NDF: 42377417.9/53

dit_asym_atl_avg_mean vs Slug



Right In: 1945.416+/-448.561 χ^2/NDF: 13.8/24

Left Out: 694.317+/-418.051 χ^2/NDF:32.2/23

Right Out: -1916.555+/-425.986 χ^2/NDF: 24.1/29

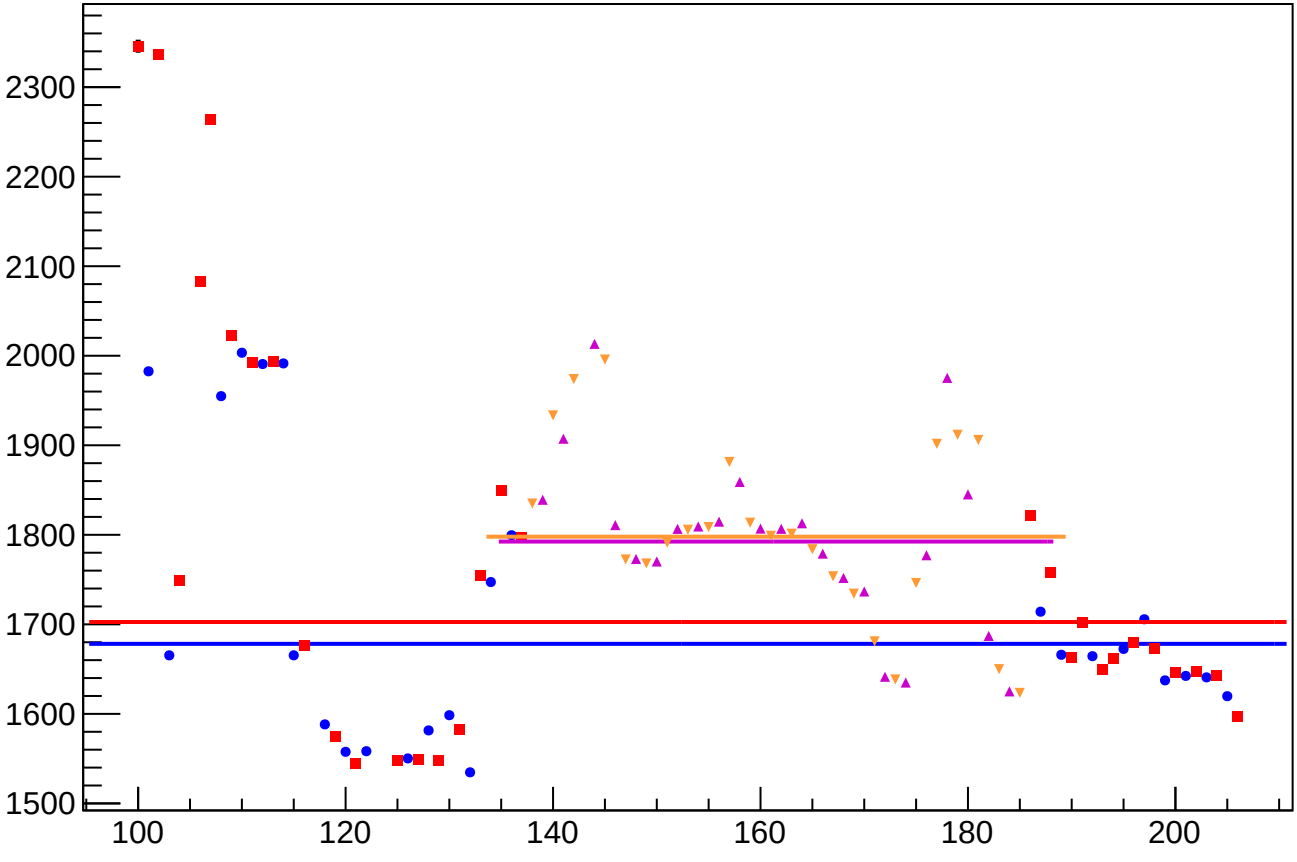
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1275.874+/-305.824 χ^2/NDF: 50.2/48

All: -447.261+/-213.717 χ^2/NDF: 167.1/101

- sign -2091.942+/-298.781 χ^2/NDF: 54.9/52

dit_asym_atl_avg_rms vs Slug



Right In: 1678.221+/-0.317 χ^2/NDF: 143715.3/24

Left Out: 1797.909+/-0.296 χ^2/NDF:98002.1/23

Right Out: 1702.611+/-0.301 χ^2/NDF: 283777.8/29

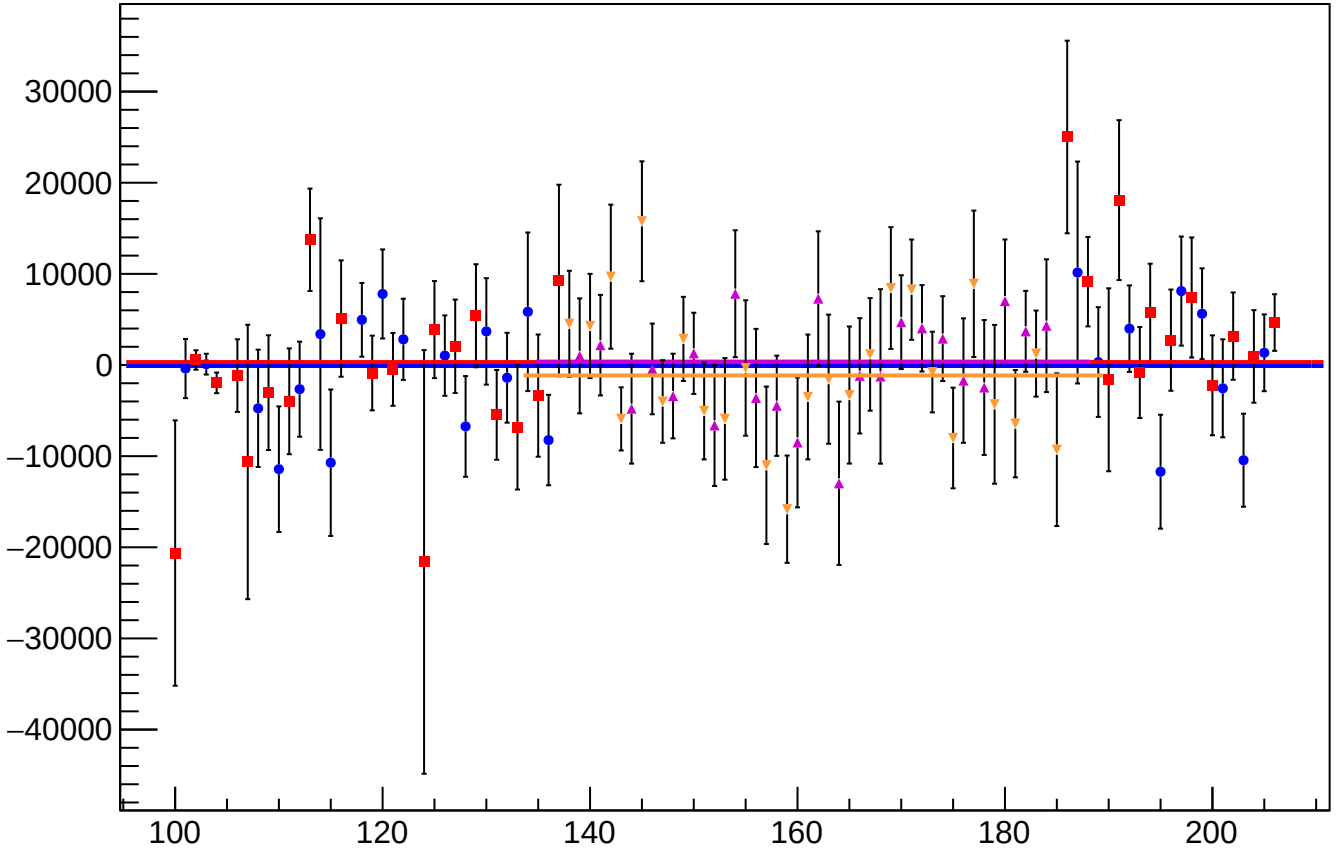
Left In: 1792.450+/-0.296 χ^2/NDF:92875.2/22

+ sign 1742.274+/-0.216 χ^2/NDF: 317921.8/48

All: 1745.313+/-0.151 χ^2/NDF: 740198.6/101

- sign 1748.212+/-0.211 χ^2/NDF: 421890.8/52

asym_atl_avg_dit_correction_mean vs Slug



Right In: -105.806+/-783.194 χ^2/NDF: 27.6/24

Left Out: -1144.405+/-1164.458 χ^2/NDF:32.6/24

Right Out: 323.560+/-621.202 χ^2/NDF: 37.6/30

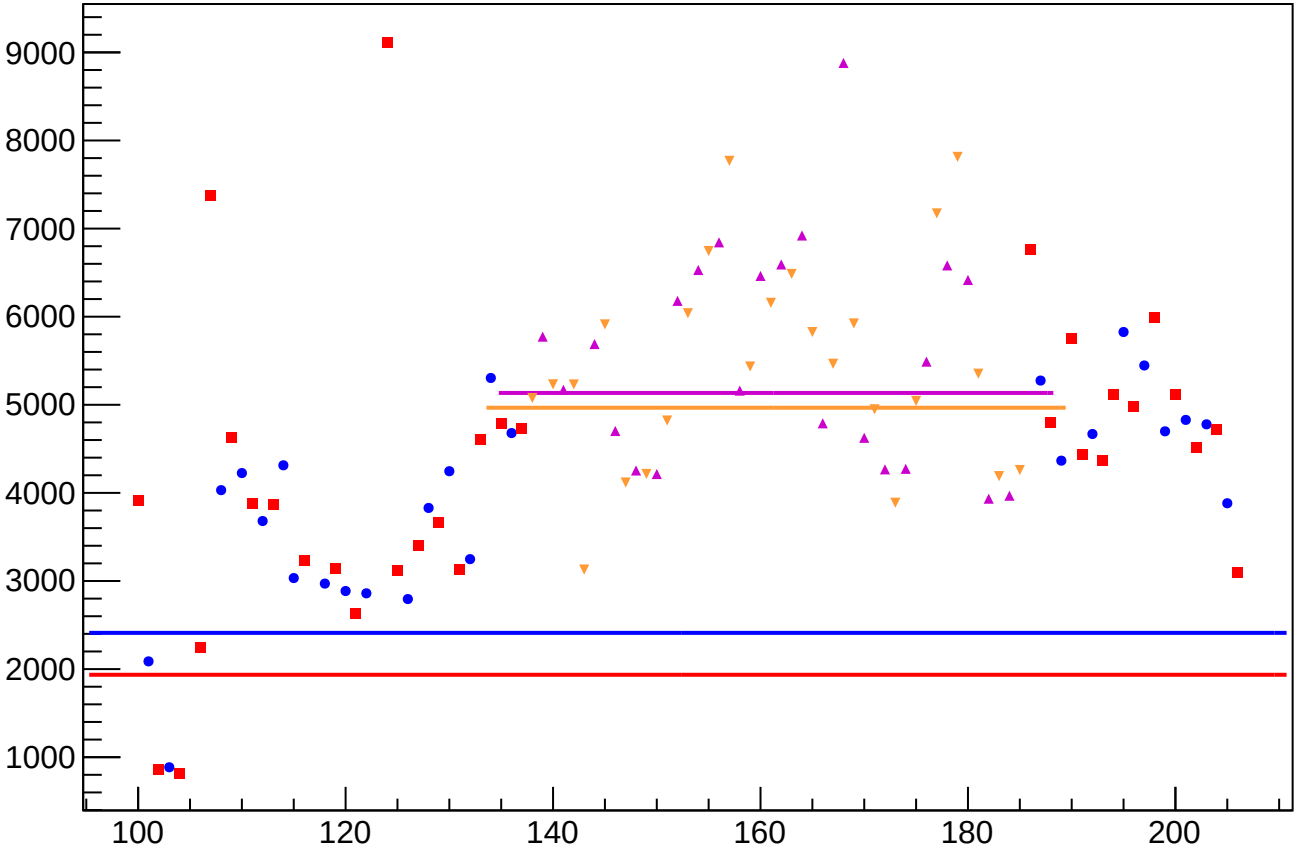
Left In: 374.927+/-1228.699 χ^2/NDF:13.3/22

\+ sign -429.297+/-649.877 χ^2/NDF: 60.7/49

All: 12.514+/-421.767 χ^2/NDF: 112.4/103

\- sign 334.017+/-554.378 χ^2/NDF: 50.9/53

asym_atl_avg_dit_correction_rms vs Slug



Right In: 2411.384+/-0.554 χ^2/NDF: 8538968.0/24

Left Out: 4966.879+/-0.823 χ^2/NDF:1917937.7/24

Right Out: 1935.574+/-0.439 χ^2/NDF: 13272260.7/30

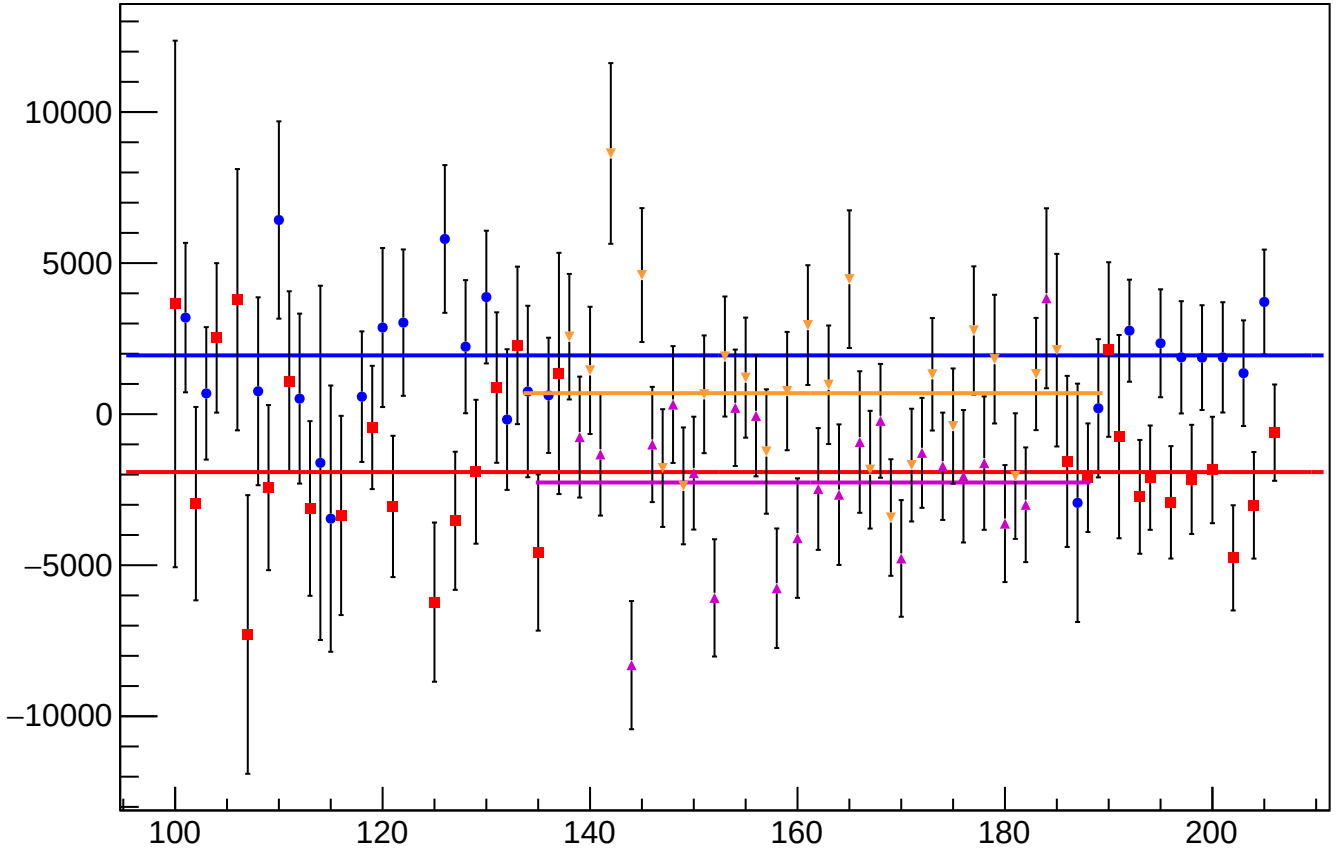
Left In: 5134.445+/-0.869 χ^2/NDF:1487075.9/22

+ sign 3207.341+/-0.460 χ^2/NDF: 17089079.6/49

All: 2848.155+/-0.298 χ^2/NDF: 43700330.6/1

- sign 2586.778+/-0.392 χ^2/NDF: 25555716.9/53

eigen_dit_asym_atl_avg_mean vs Slug



Right In: 1945.411+/-448.561 χ^2/NDF: 13.8/24

Left Out: 694.313+/-418.051 χ^2/NDF:32.2/23

Right Out: -1916.551+/-425.986 χ^2/NDF: 24.1/29

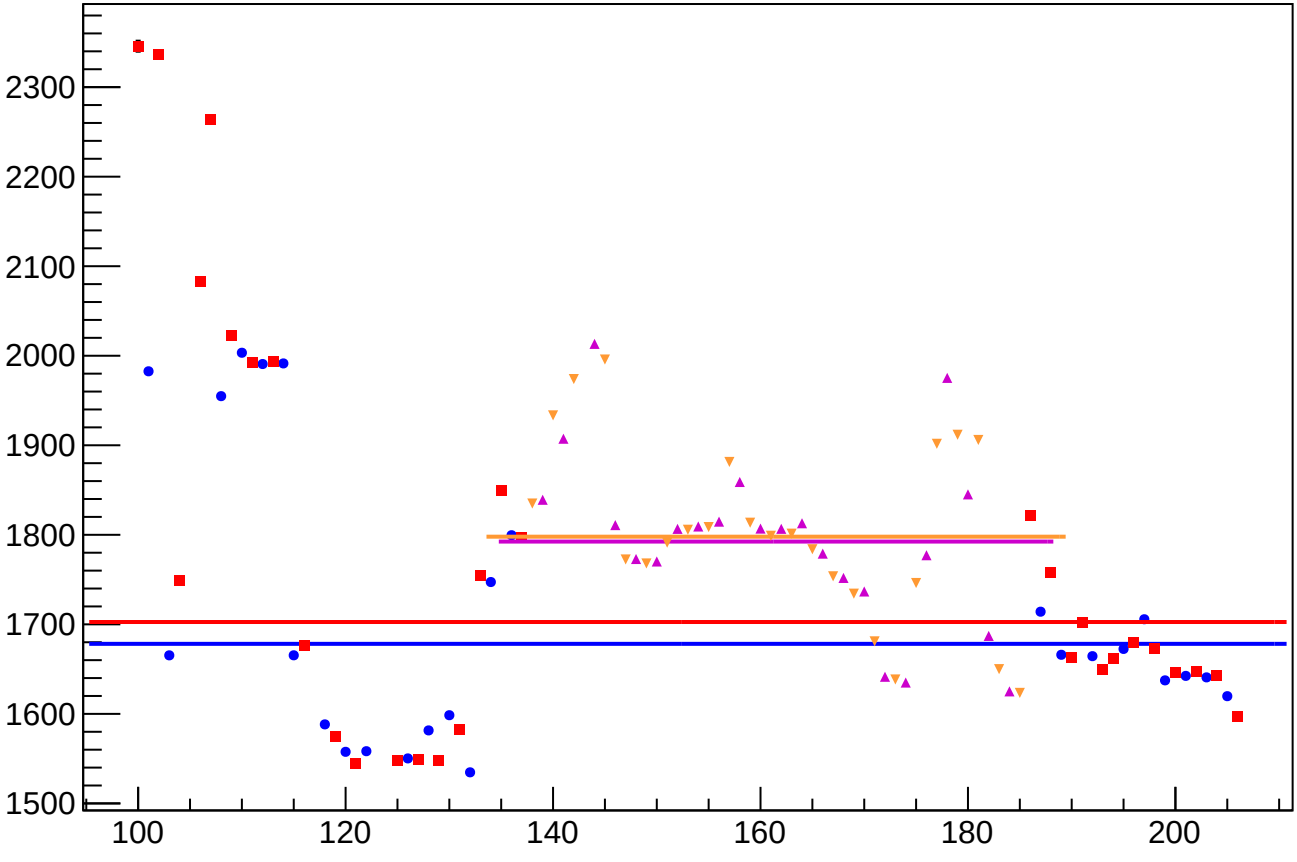
Left In: -2261.767+/-419.177 χ^2/NDF:30.4/22

+ sign 1275.870+/-305.824 χ^2/NDF: 50.2/48

All: -447.262+/-213.717 χ^2/NDF: 167.1/101

- sign -2091.940+/-298.781 χ^2/NDF: 54.9/52

eigen_dit_asym_atl_avg_rms vs Slug



Right In: 1678.220+/-0.317 χ^2/NDF: 143715.5/24

Left Out: 1797.911+/-0.296 χ^2/NDF:98005.5/23

Right Out: 1702.611+/-0.301 χ^2/NDF: 283777.1/29

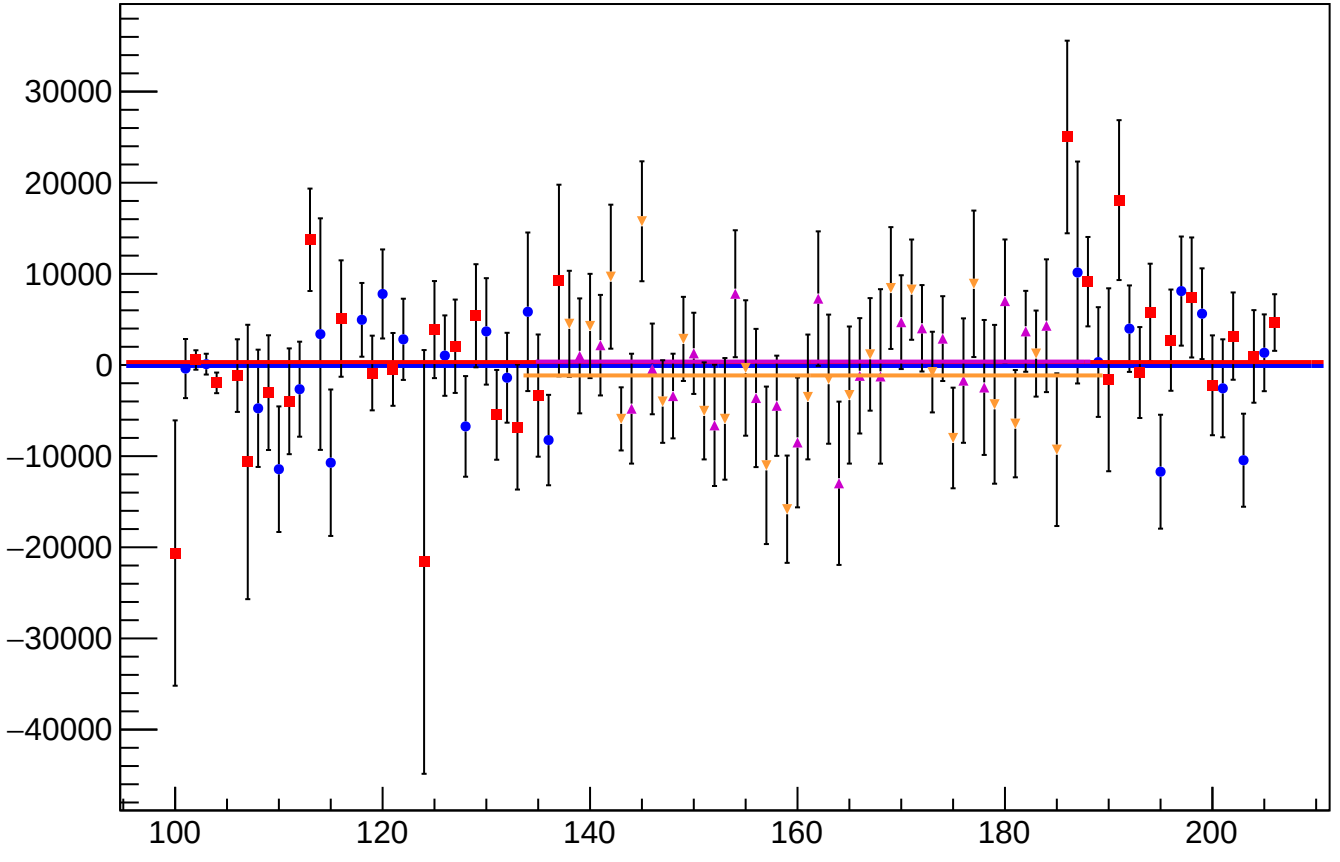
Left In: 1792.451+/-0.296 χ^2/NDF:92878.6/22

+ sign 1742.274+/-0.216 χ^2/NDF: 317927.3/48

All: 1745.314+/-0.151 χ^2/NDF: 740208.2/101

- sign 1748.212+/-0.211 χ^2/NDF: 421894.9/52

asym_atl_avg_eigen_dit_correction_mean vs Slug



Right In: -105.802+/-783.190 χ^2/NDF: 27.6/24

Left Out: -1144.411+/-1164.460 χ^2/NDF:32.6/24

Right Out: 323.551+/-621.198 χ^2/NDF: 37.6/30

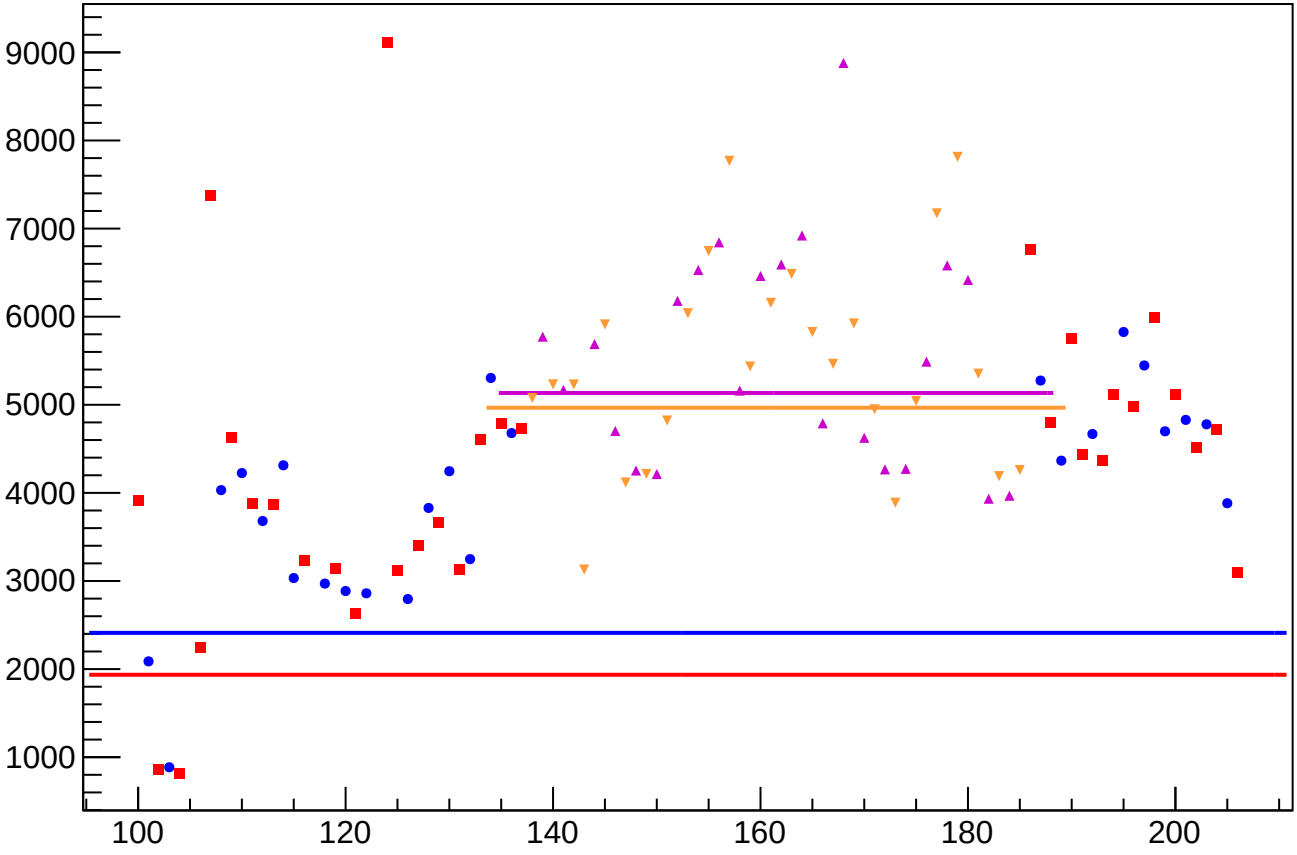
Left In: 374.928+/-1228.701 χ^2/NDF:13.3/22

\+ sign -429.293+/-649.875 χ^2/NDF: 60.7/49

All: 12.511+/-421.765 χ^2/NDF: 112.4/103

\- sign 334.010+/-554.375 χ^2/NDF: 50.9/53

asym_atl_avg_eigen_dit_correction_rms vs Slug



Right In: 2411.365+/-0.554 χ^2/NDF: 8539072.8/24

Left Out: 4966.886+/-0.823 χ^2/NDF:1917943.9/24

Right Out: 1935.556+/-0.439 χ^2/NDF: 13272382.5/30

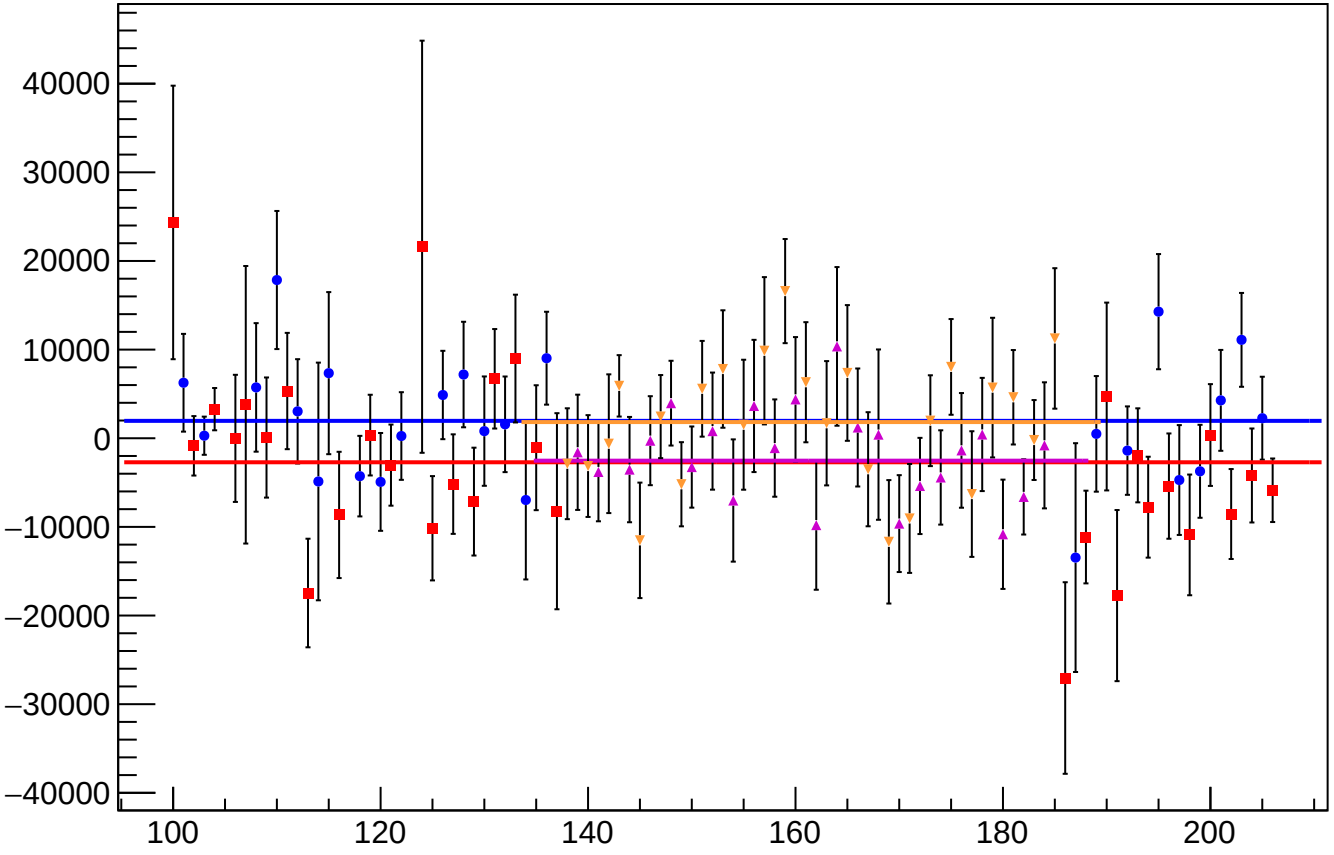
Left In: 5134.453+/-0.869 χ^2/NDF:1487077.8/22

+ sign 3207.323+/-0.460 χ^2/NDF: 17089332.7/49

All: 2848.136+/-0.298 χ^2/NDF: 43700895.6/1

- sign 2586.758+/-0.392 χ^2/NDF: 25556013.5/53

asym_atl_avg_mean vs Slug



Right In: 1962.097+/-1054.815 χ^2/NDF: 24.8/24

Left Out: 1826.201+/-1172.478 χ^2/NDF:31.1/24

Right Out: -2710.516+/-993.806 χ^2/NDF: 43.3/30

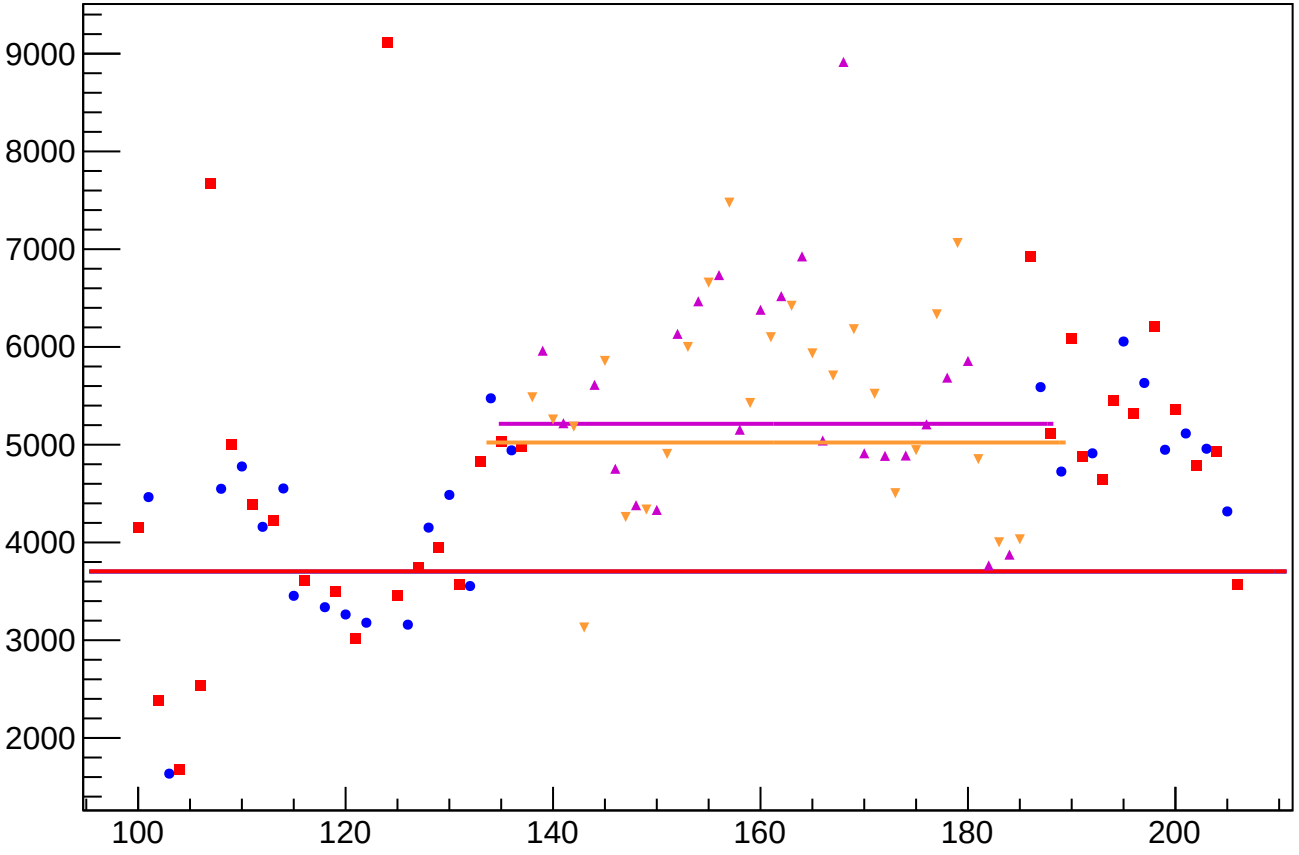
Left In: -2529.501+/-1242.040 χ^2/NDF:13.2/22

+ sign 1901.308+/-784.176 χ^2/NDF: 55.9/49

All: -393.135+/-551.575 χ^2/NDF: 129.4/103

- sign -2639.861+/-775.979 χ^2/NDF: 56.5/53

asym_atl_avg_rms vs Slug



Right In: 3702.103+/-0.746 χ^2/NDF: 3325270.7/24

Left Out: 5022.407+/-0.829 χ^2/NDF:1676611.8/24

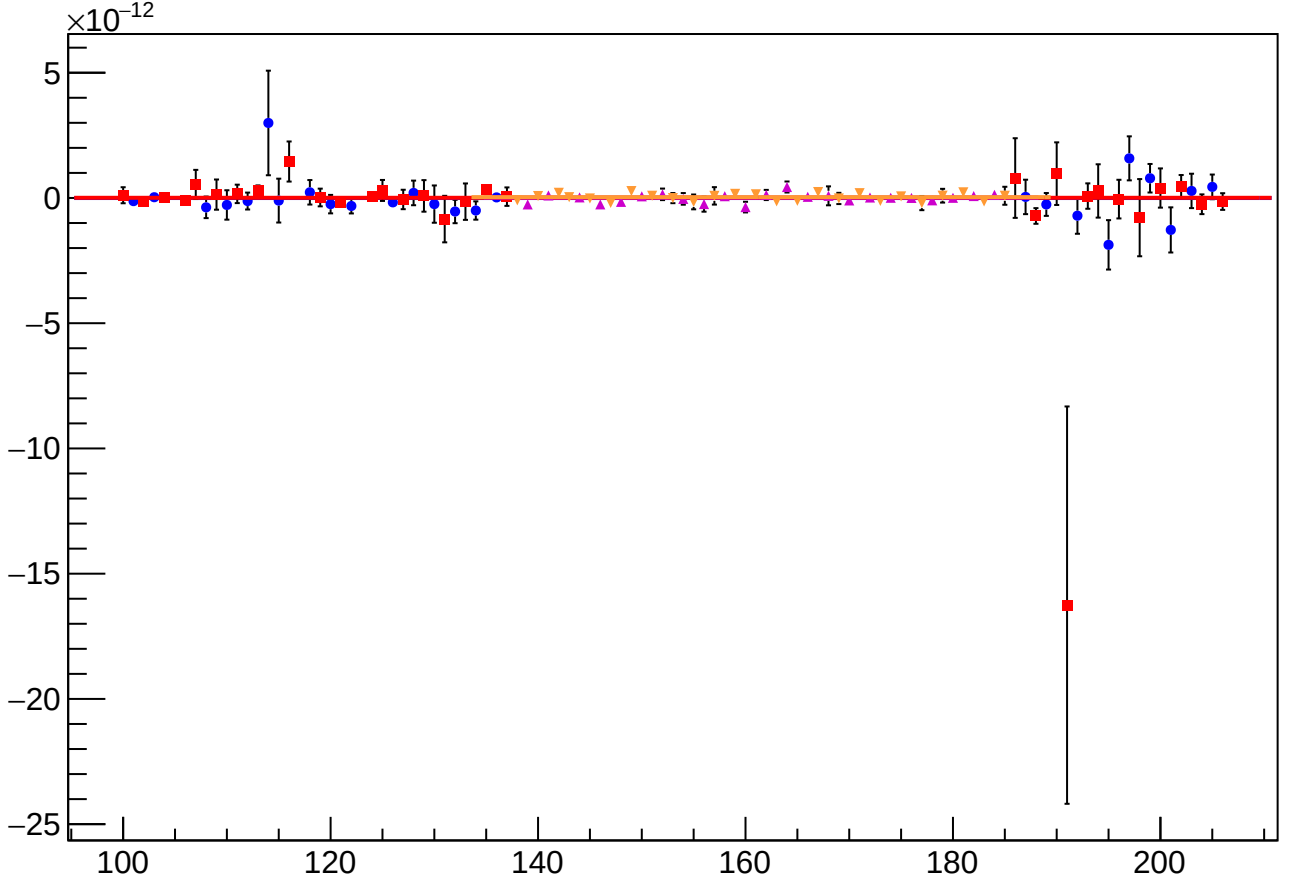
Right Out: 3704.591+/-0.696 χ^2/NDF: 3914331.5/30

Left In: 5213.625+/-0.878 χ^2/NDF:1223192.9/22

+ sign 4292.700+/-0.554 χ^2/NDF: 6403543.1/49

All: 4289.475+/-0.389 χ^2/NDF: 13355242.6/1

- sign 4286.357+/-0.545 χ^2/NDF: 6951632.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 23.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.0/24

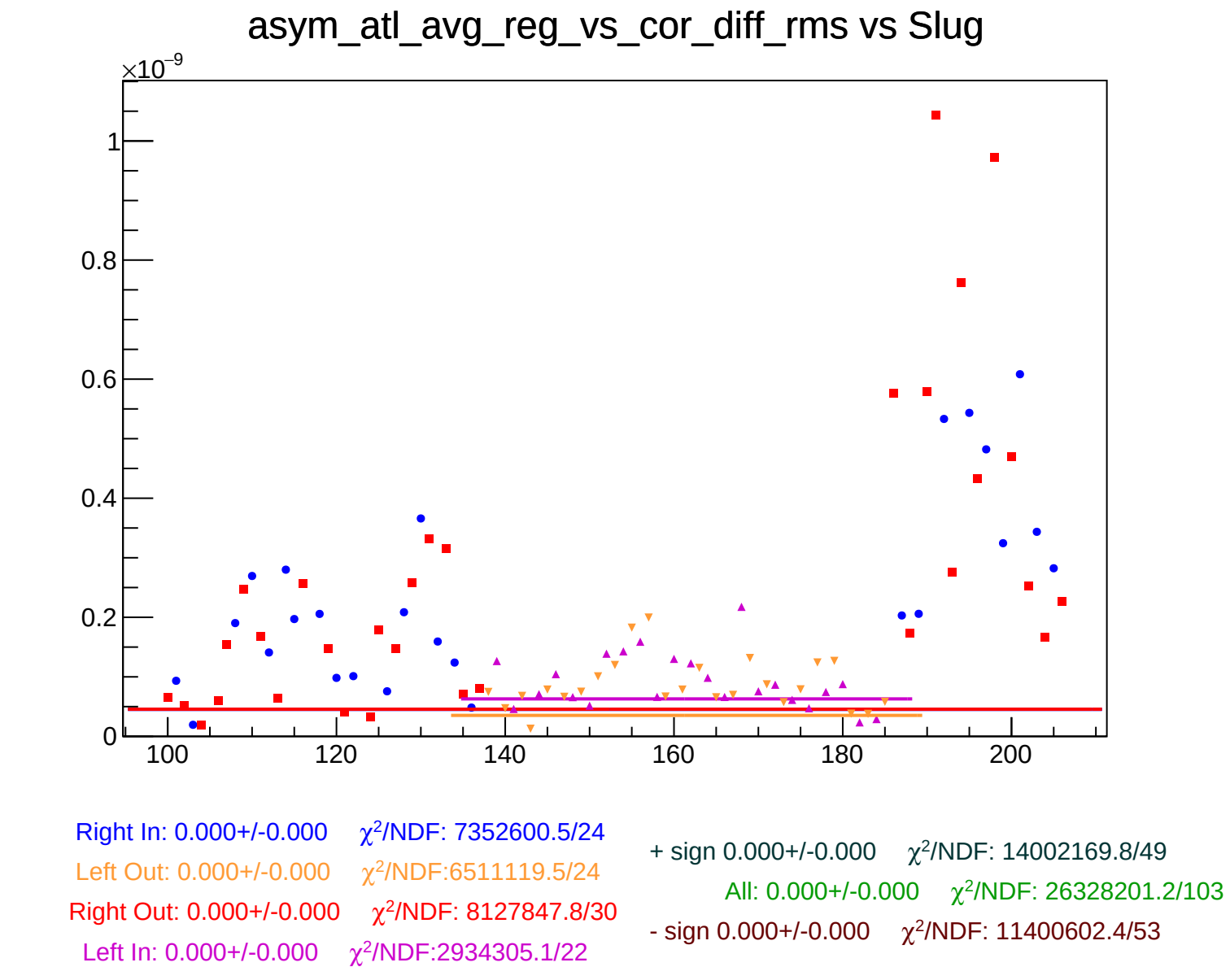
Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/30

Left In: 0.000+/-0.000 χ^2/NDF:19.1/22

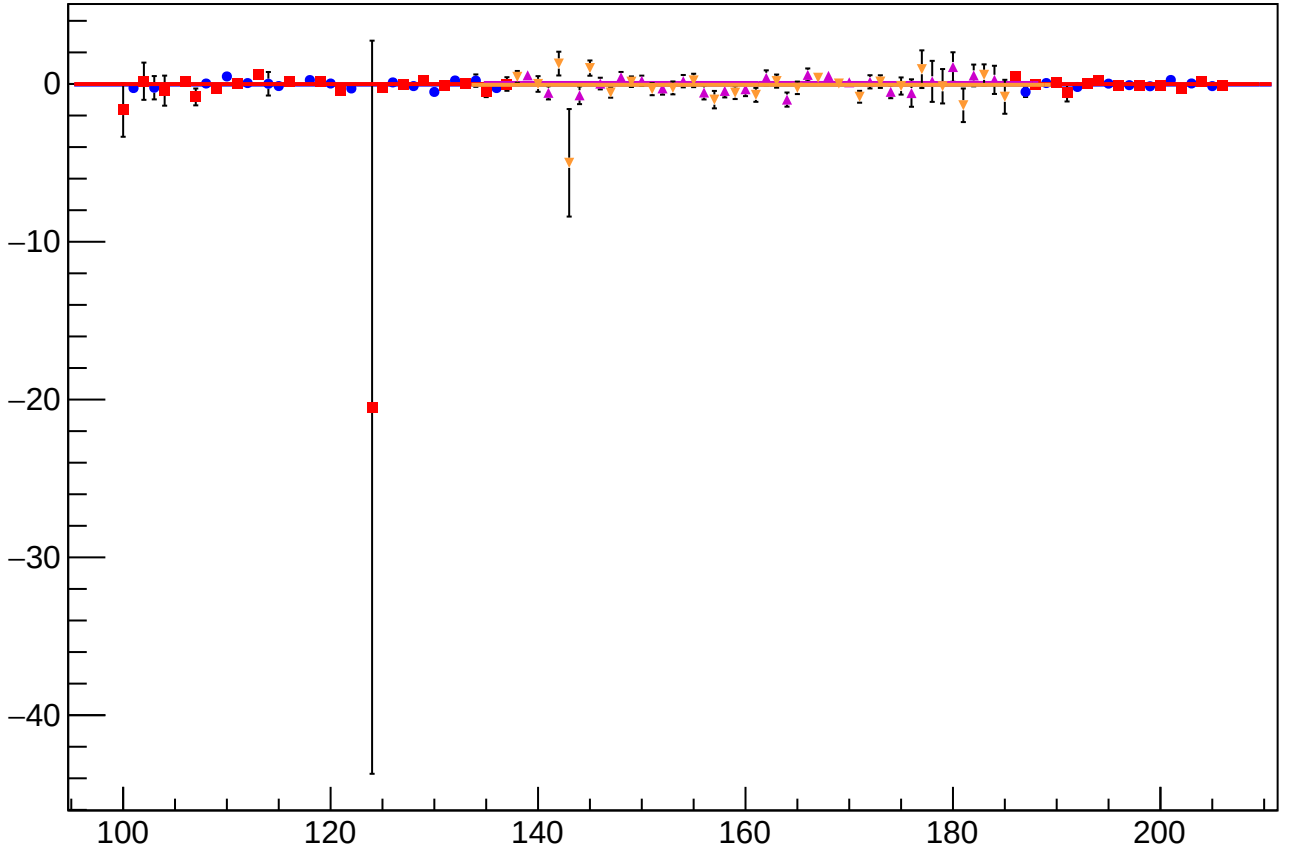
+ sign 0.000+/-0.000 χ^2/NDF: 49.5/49

All: 0.000+/-0.000 χ^2/NDF: 96.5/103

- sign 0.000+/-0.000 χ^2/NDF: 46.8/53


asym_atl_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
Right In: 0.000+/-0.000 χ²/NDF: 7352600.5/24
Left Out: 0.000+/-0.000 χ²/NDF:6511119.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 8127847.8/30
Left In: 0.000+/-0.000 χ²/NDF:2934305.1/22
+ sign 0.000+/-0.000 χ²/NDF: 14002169.8/49
All: 0.000+/-0.000 χ²/NDF: 26328201.2/103
- sign 0.000+/-0.000 χ²/NDF: 11400602.4/53

asym_atl_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.006+/-0.036 χ^2/NDF: 32.4/30

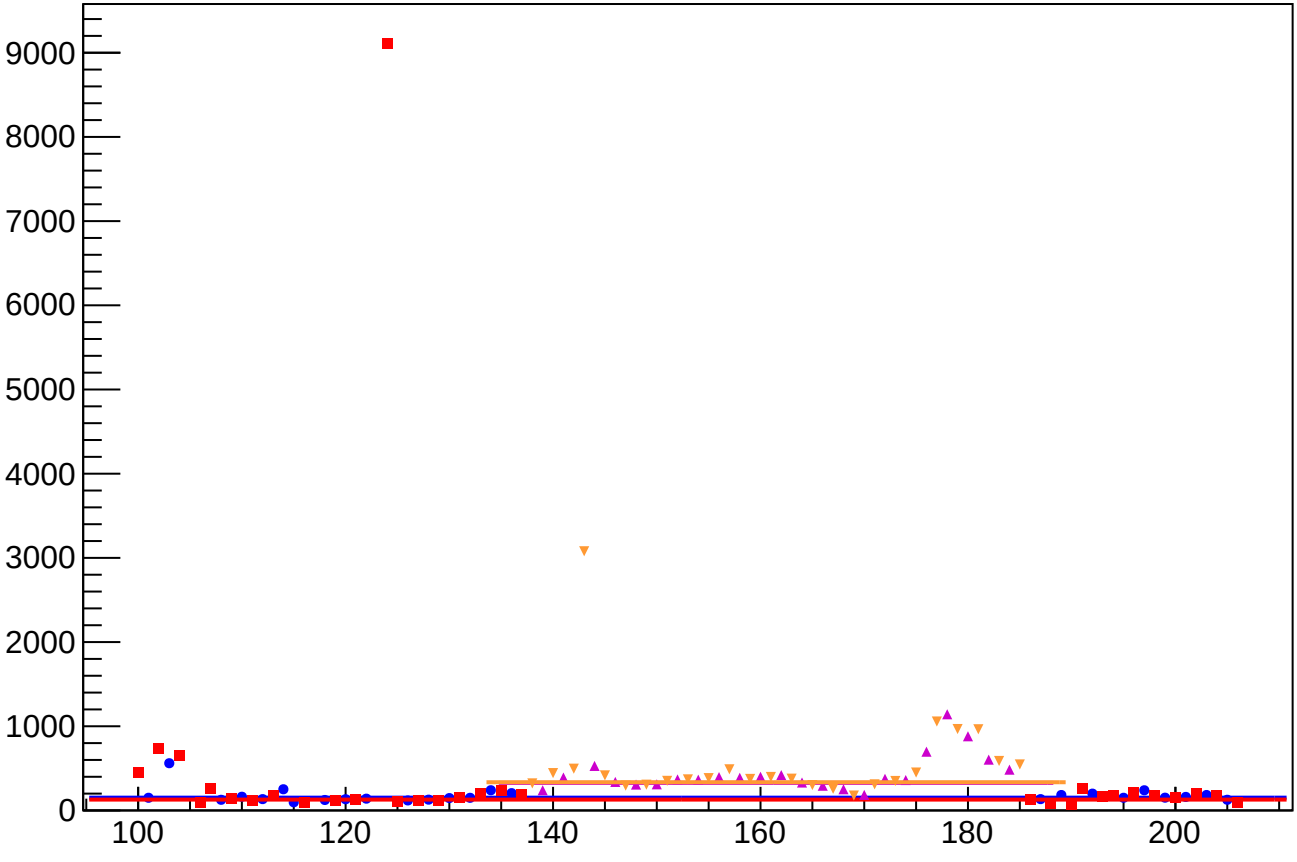
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.042+/-0.039 χ^2/NDF: 56.8/49

All: -0.015+/-0.025 χ^2/NDF: 118.6/103

- sign 0.005+/-0.033 χ^2/NDF: 61.0/53

asym_atl_avg_dit_vs_cor_diff_rms vs Slug



Right In: 152.014+/-0.031 χ^2/NDF: 1598275.5/24

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

Right Out: 129.095+/-0.026 χ^2/NDF: 4196747.6/30

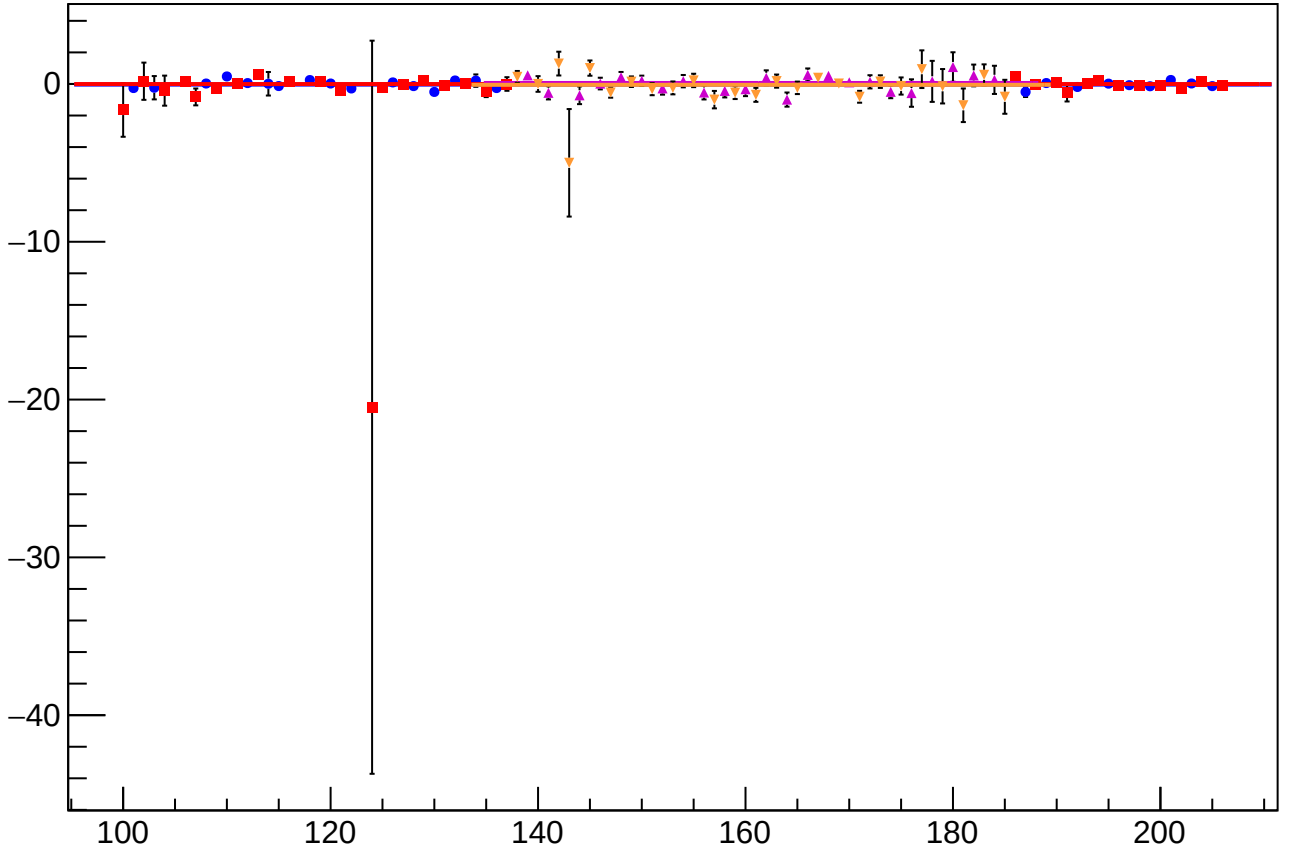
Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 190.422+/-0.027 χ^2/NDF: 14856630.2/49

All: 173.774+/-0.018 χ^2/NDF: 33484605.4/10

- sign 161.413+/-0.024 χ^2/NDF: 17984599.6/53

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.006+/-0.036 χ^2/NDF: 32.4/30

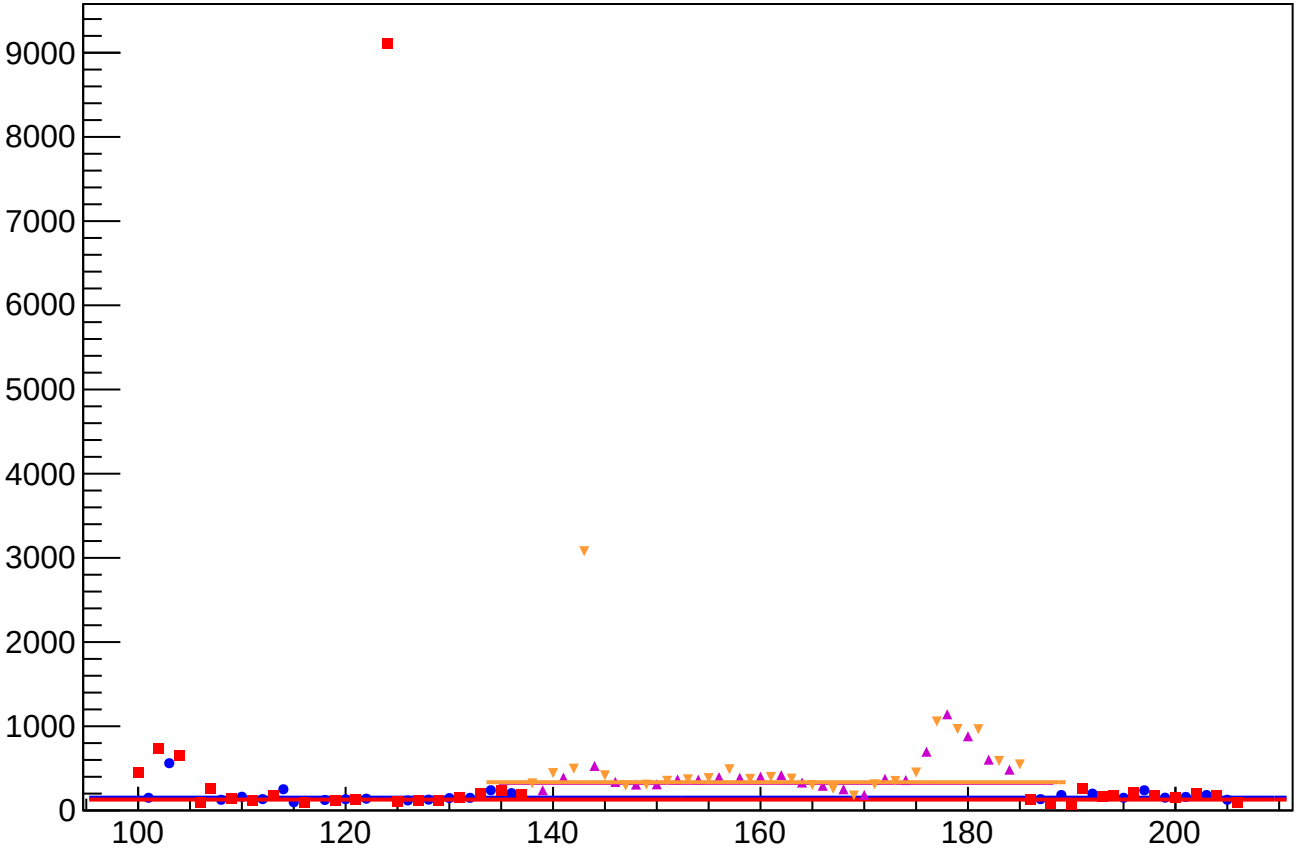
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.042+/-0.039 χ^2/NDF: 56.8/49

All: -0.015+/-0.025 χ^2/NDF: 118.6/103

- sign 0.005+/-0.033 χ^2/NDF: 61.0/53

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 152.014+/-0.031 χ^2/NDF: 1598275.5/24

Left Out: 335.166+/-0.060 χ^2/NDF:5852083.8/24

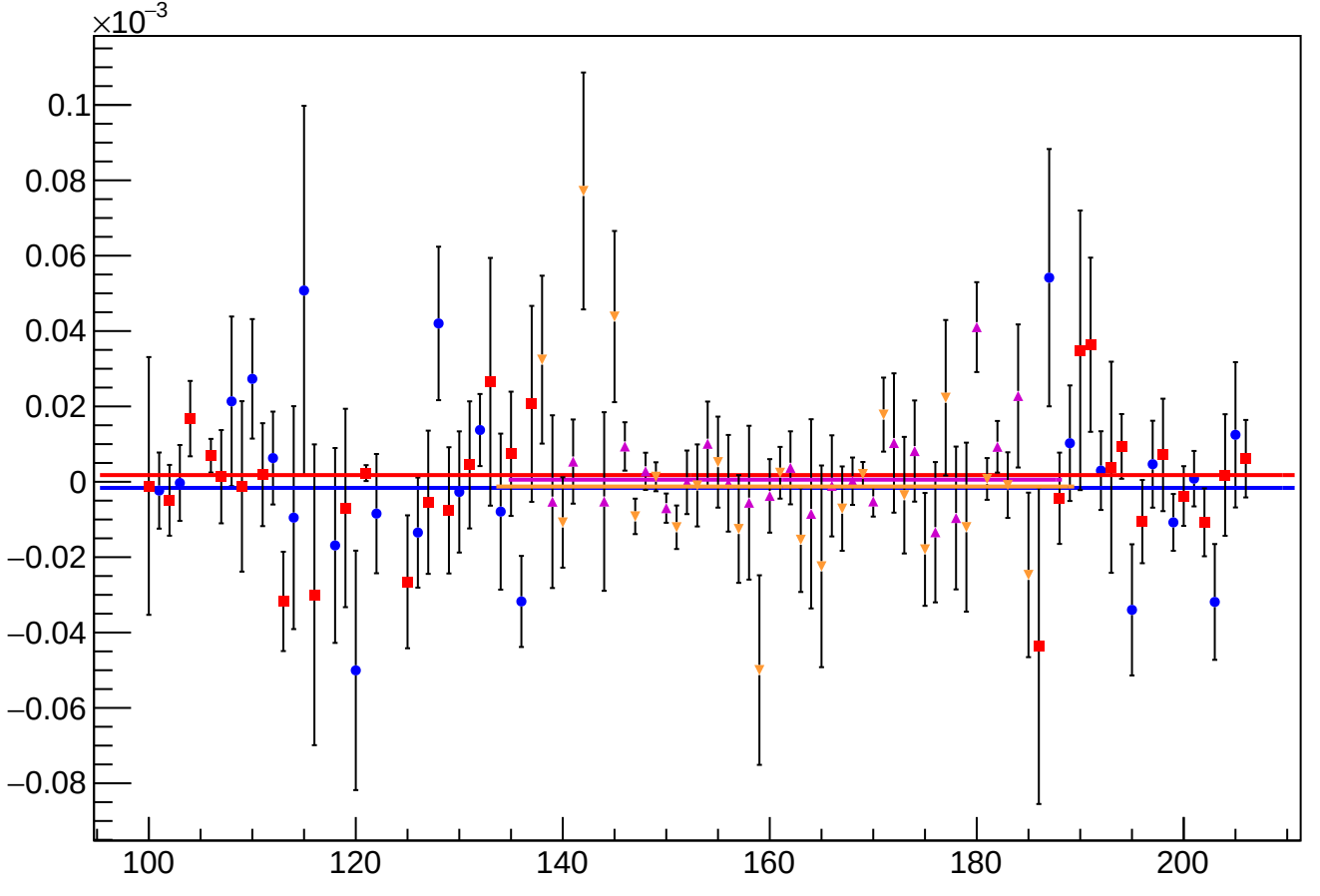
Right Out: 129.095+/-0.026 χ^2/NDF: 4196747.6/30

Left In: 327.572+/-0.059 χ^2/NDF:4153081.9/22

+ sign 190.422+/-0.027 χ^2/NDF: 14856630.2/49

All: 173.774+/-0.018 χ^2/NDF: 33484605.4/10

- sign 161.413+/-0.024 χ^2/NDF: 17984599.6/53



Right In: -0.000+/-0.000 χ^2/NDF: 36.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:35.7/23

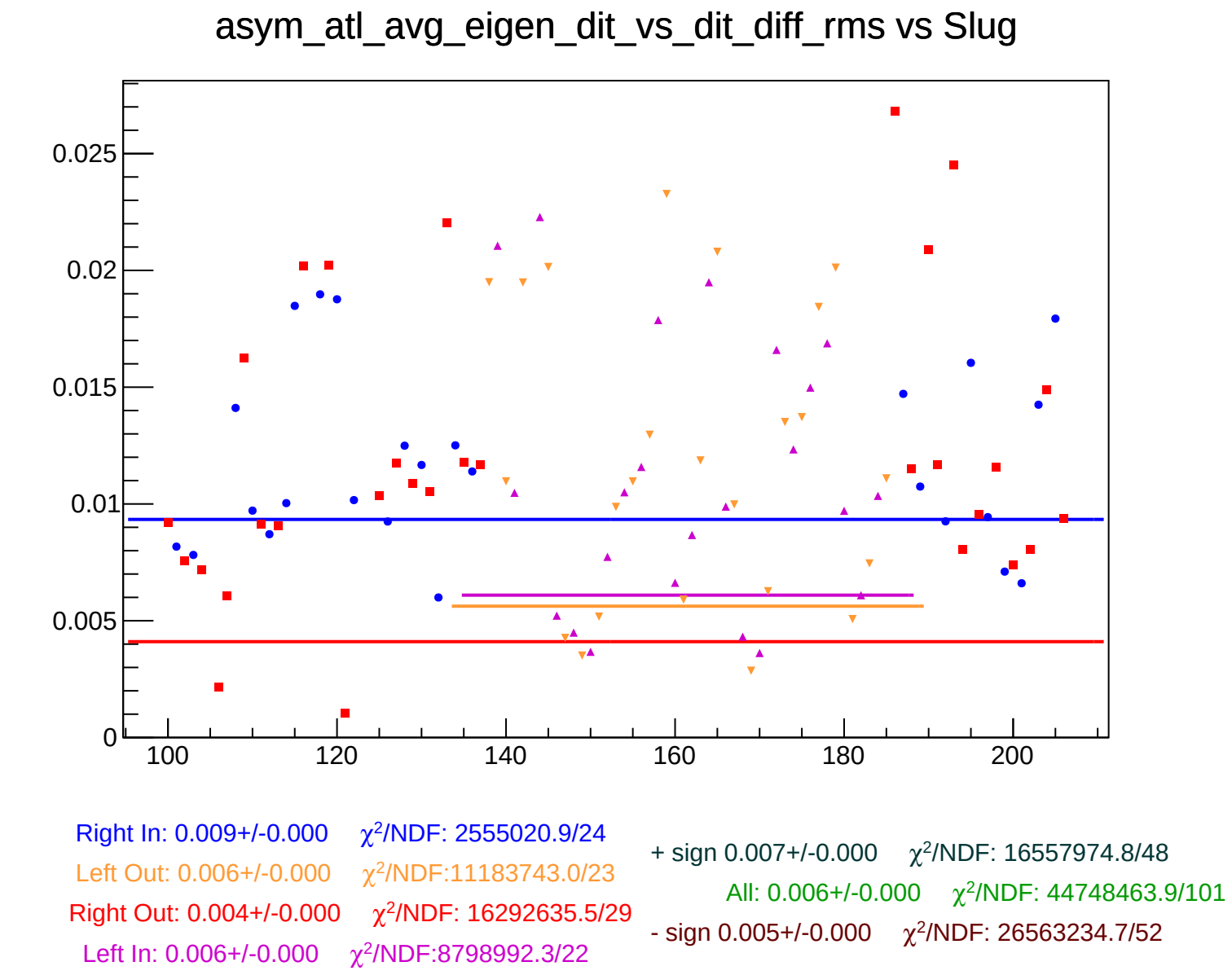
Right Out: 0.000+/-0.000 χ^2/NDF: 24.9/29

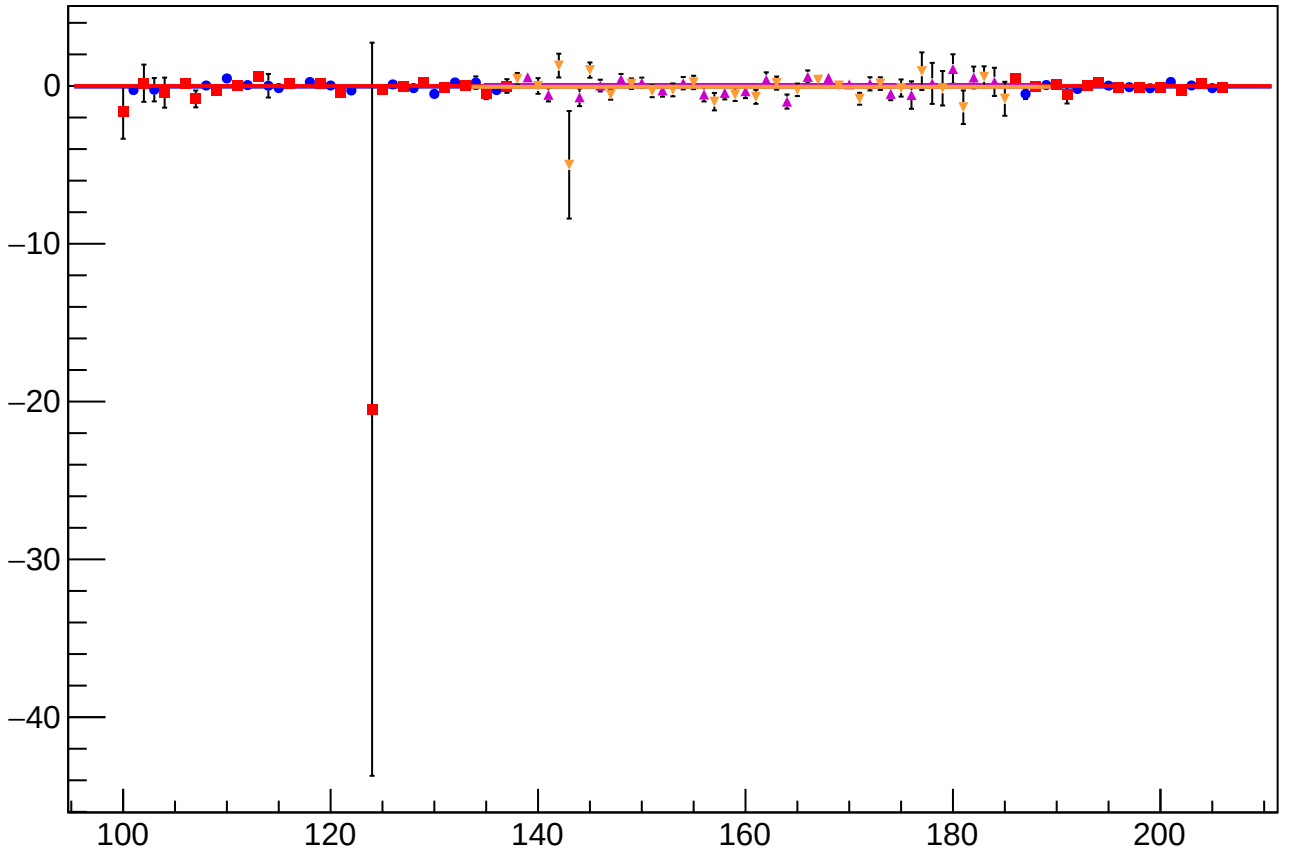
Left In: 0.000+/-0.000 χ^2/NDF:25.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.0/48

All: 0.000+/-0.000 χ^2/NDF: 124.7/101

- sign 0.000+/-0.000 χ^2/NDF: 50.7/52


asym_atl_avg_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.009+/-0.000 χ²/NDF: 2555020.9/24
Left Out: 0.006+/-0.000 χ²/NDF:11183743.0/23
Right Out: 0.004+/-0.000 χ²/NDF: 16292635.5/29
Left In: 0.006+/-0.000 χ²/NDF:8798992.3/22
+ sign 0.007+/-0.000 χ²/NDF: 16557974.8/48
All: 0.006+/-0.000 χ²/NDF: 44748463.9/101
- sign 0.005+/-0.000 χ²/NDF: 26563234.7/52



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.006+/-0.036 χ^2/NDF: 32.4/30

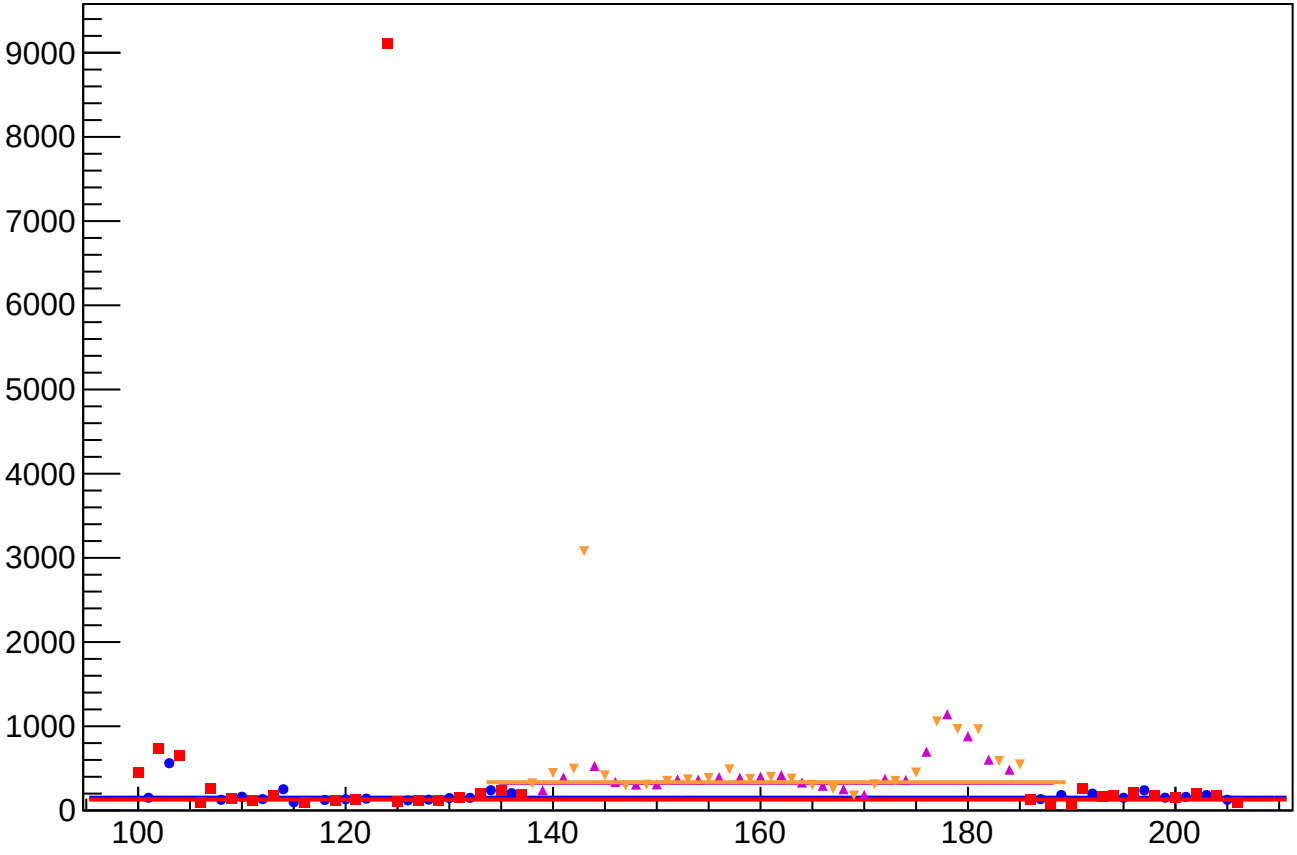
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.042+/-0.039 χ^2/NDF: 56.8/49

All: -0.015+/-0.025 χ^2/NDF: 118.6/103

- sign 0.005+/-0.033 χ^2/NDF: 61.0/53

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 152.012+/-0.031 χ^2/NDF: 1598374.5/24

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

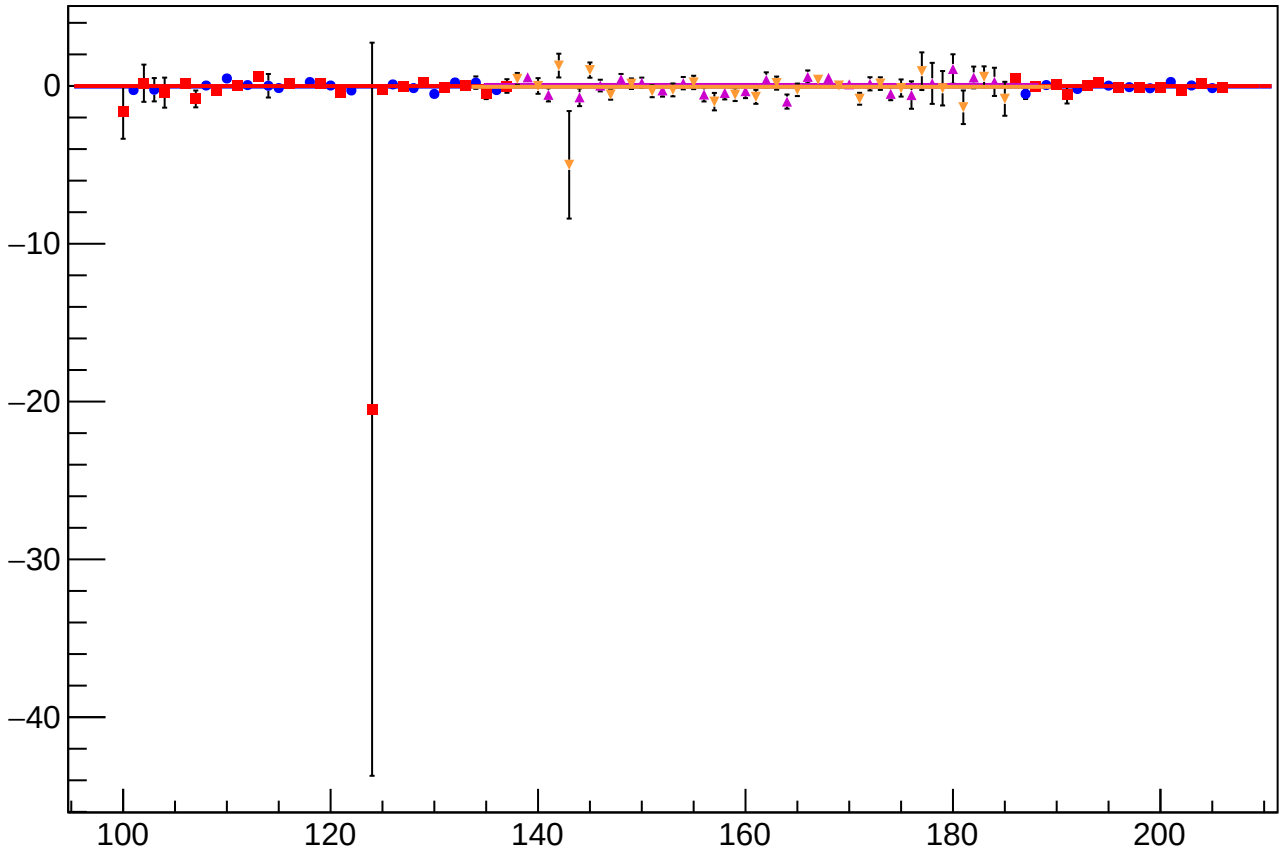
Right Out: 129.093+/-0.026 χ^2/NDF: 4196880.0/30

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 190.420+/-0.027 χ^2/NDF: 14857062.5/49

All: 173.772+/-0.018 χ^2/NDF: 33485600.2/10

- sign 161.411+/-0.024 χ^2/NDF: 17985128.6/53



Right In: -0.039+/-0.044 χ^2/NDF: 23.7/24

Left Out: -0.054+/-0.085 χ^2/NDF:33.1/24

Right Out: -0.006+/-0.036 χ^2/NDF: 32.4/30

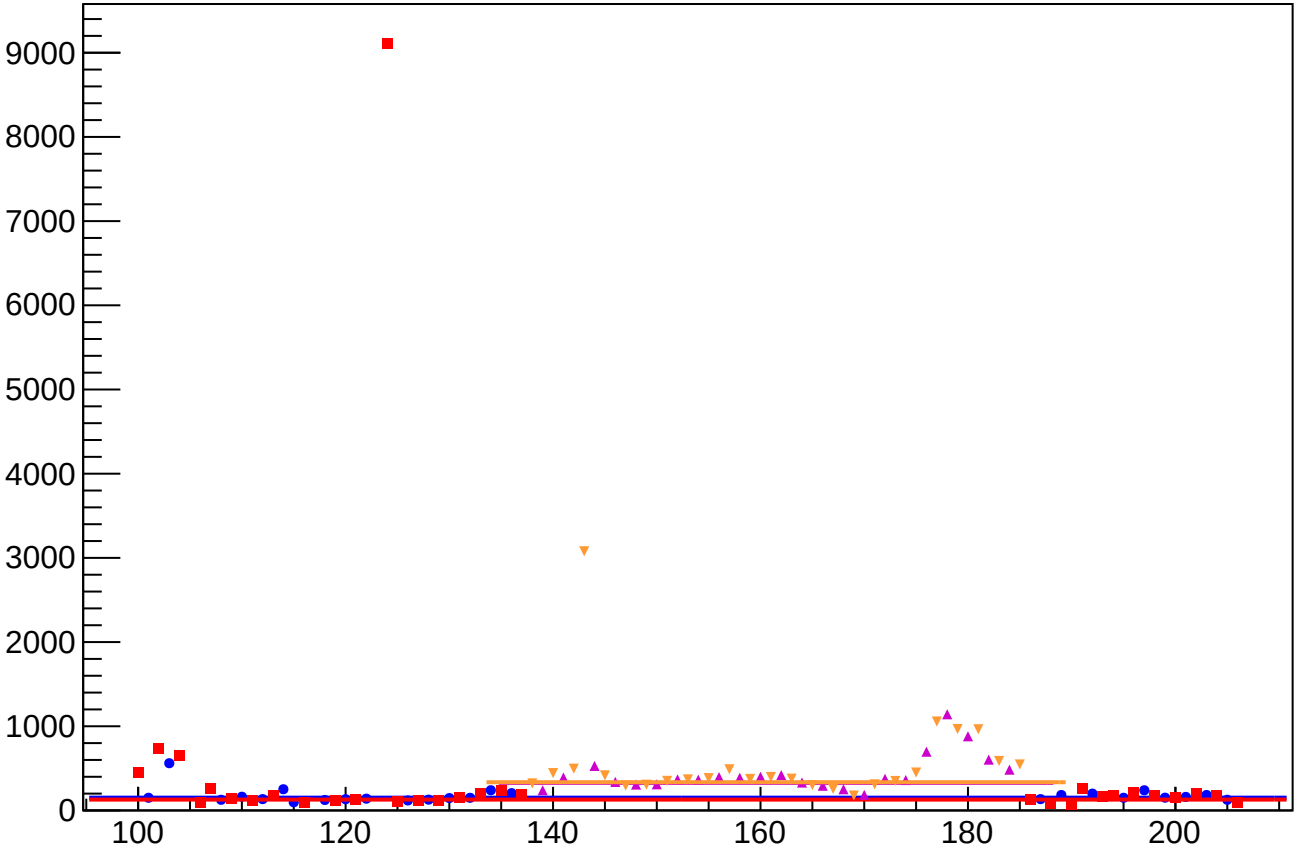
Left In: 0.063+/-0.083 χ^2/NDF:28.0/22

+ sign -0.042+/-0.039 χ^2/NDF: 56.8/49

All: -0.015+/-0.025 χ^2/NDF: 118.6/103

- sign 0.005+/-0.033 χ^2/NDF: 61.0/53

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 152.012+/-0.031 χ^2/NDF: 1598374.5/24

Left Out: 335.168+/-0.060 χ^2/NDF:5852151.8/24

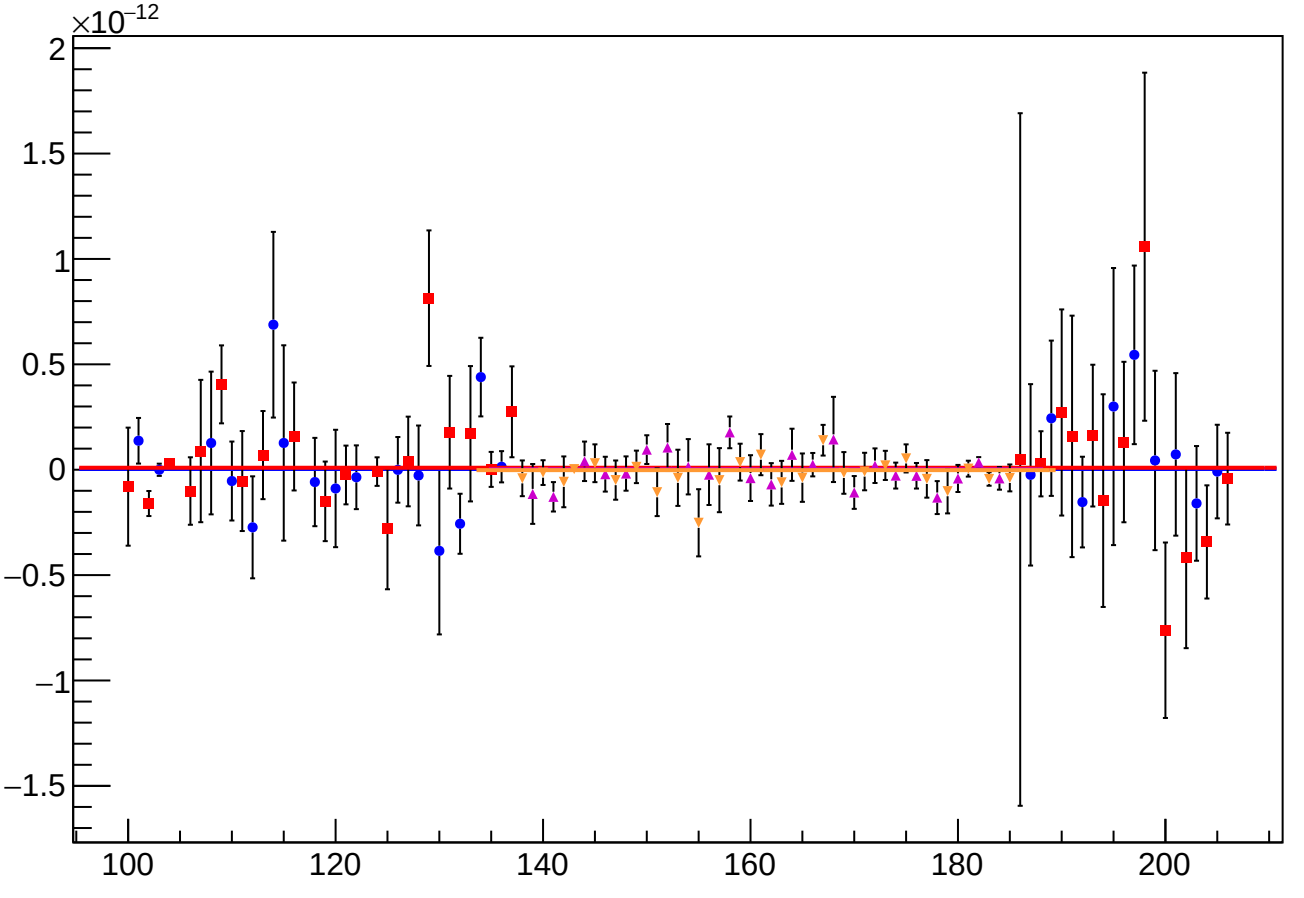
Right Out: 129.093+/-0.026 χ^2/NDF: 4196880.0/30

Left In: 327.575+/-0.059 χ^2/NDF:4153087.6/22

+ sign 190.420+/-0.027 χ^2/NDF: 14857062.5/49

All: 173.772+/-0.018 χ^2/NDF: 33485600.2/10

- sign 161.411+/-0.024 χ^2/NDF: 17985128.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 18.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:13.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 33.7/30

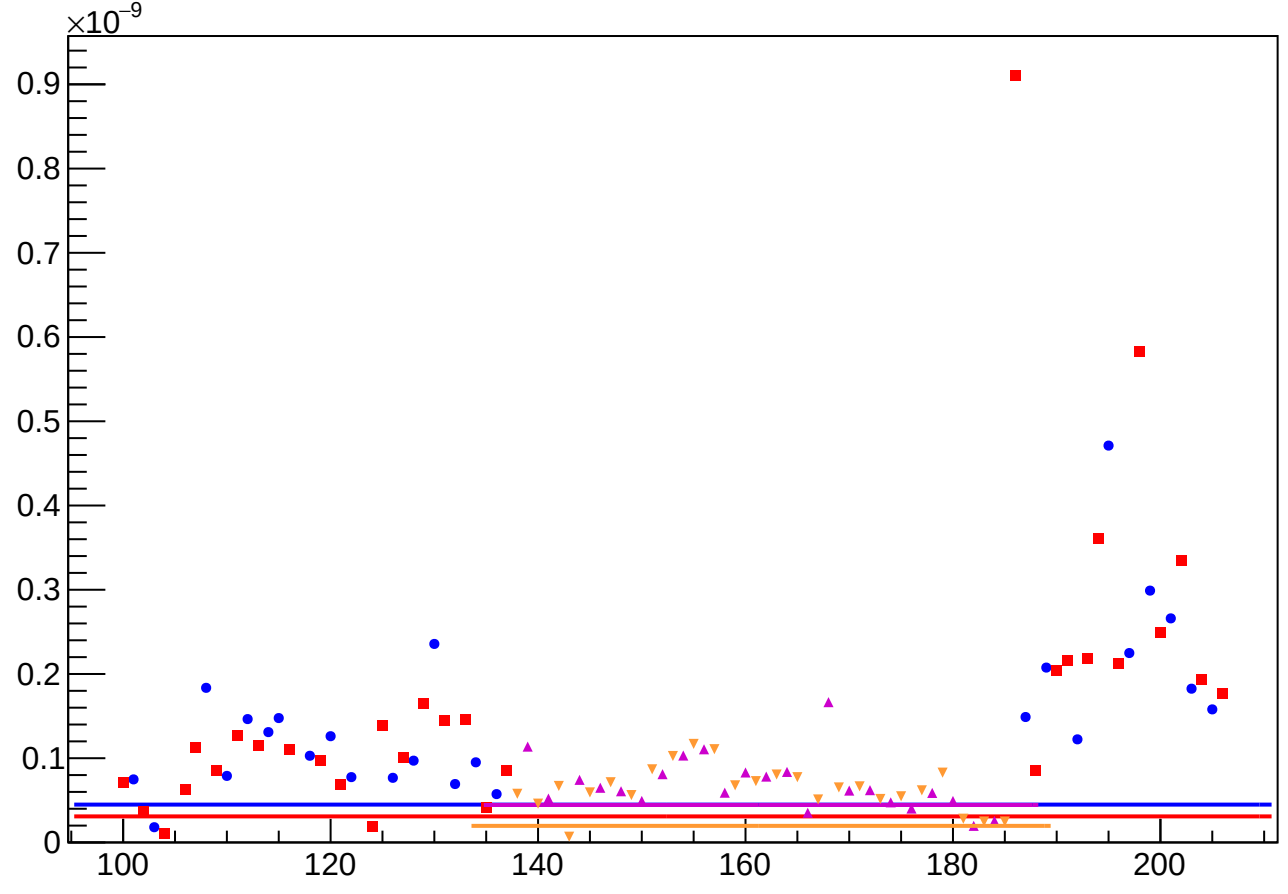
Left In: 0.000+/-0.000 χ^2/NDF:22.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 32.5/49

All: 0.000+/-0.000 χ^2/NDF: 89.0/103

- sign 0.000+/-0.000 χ^2/NDF: 56.3/53

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 8488847.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:14888228.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12191228.4/30

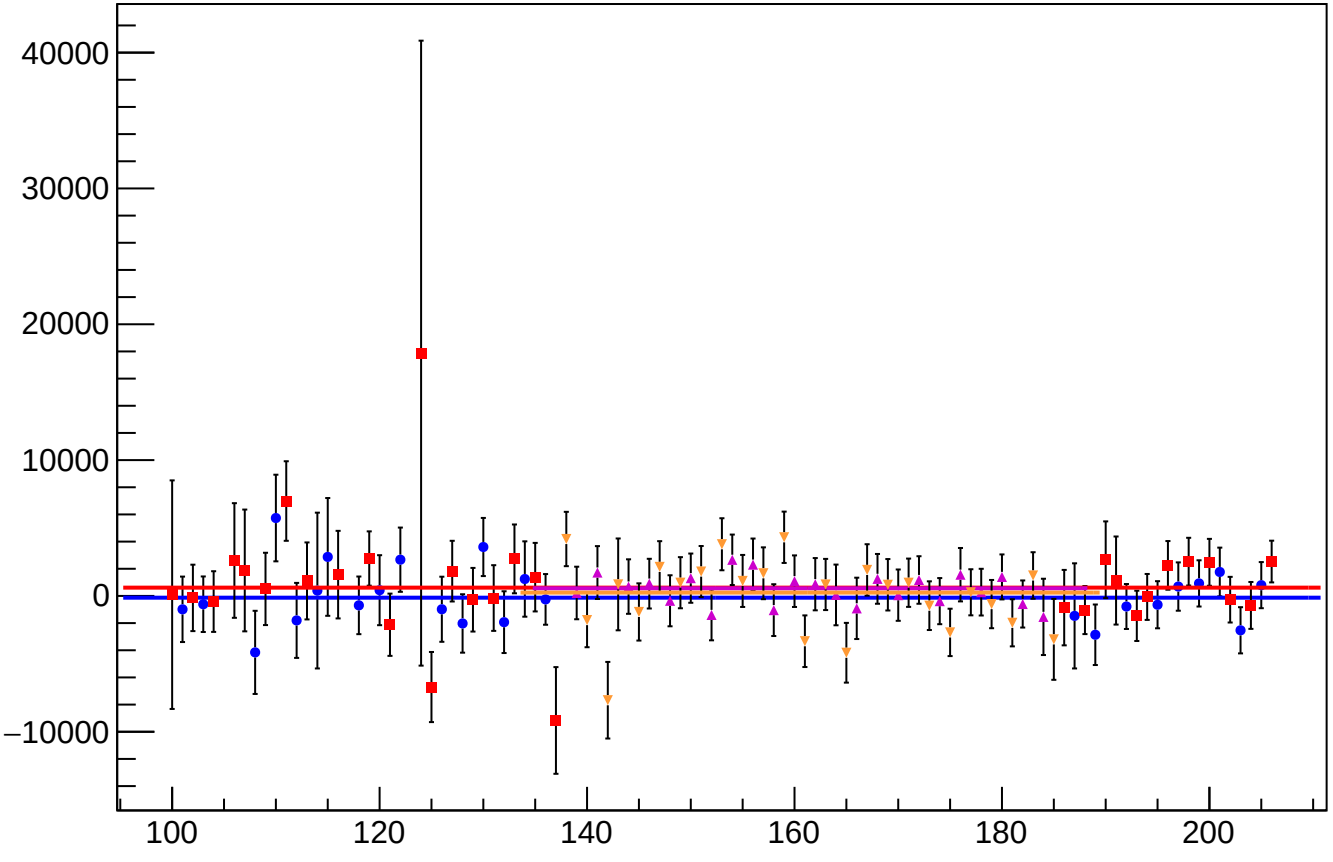
Left In: 0.000+/-0.000 χ^2/NDF:5919814.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 25452463.8/49

All: 0.000+/-0.000 χ^2/NDF: 47293101.5/103

- sign 0.000+/-0.000 χ^2/NDF: 18800815.6/53

reg_asym_atl_dd_mean vs Slug



Right In: -129.234+/-437.133 χ^2/NDF: 18.3/24

Left Out: 248.233+/-388.827 χ^2/NDF:39.6/24

Right Out: 610.329+/-412.154 χ^2/NDF: 32.9/30

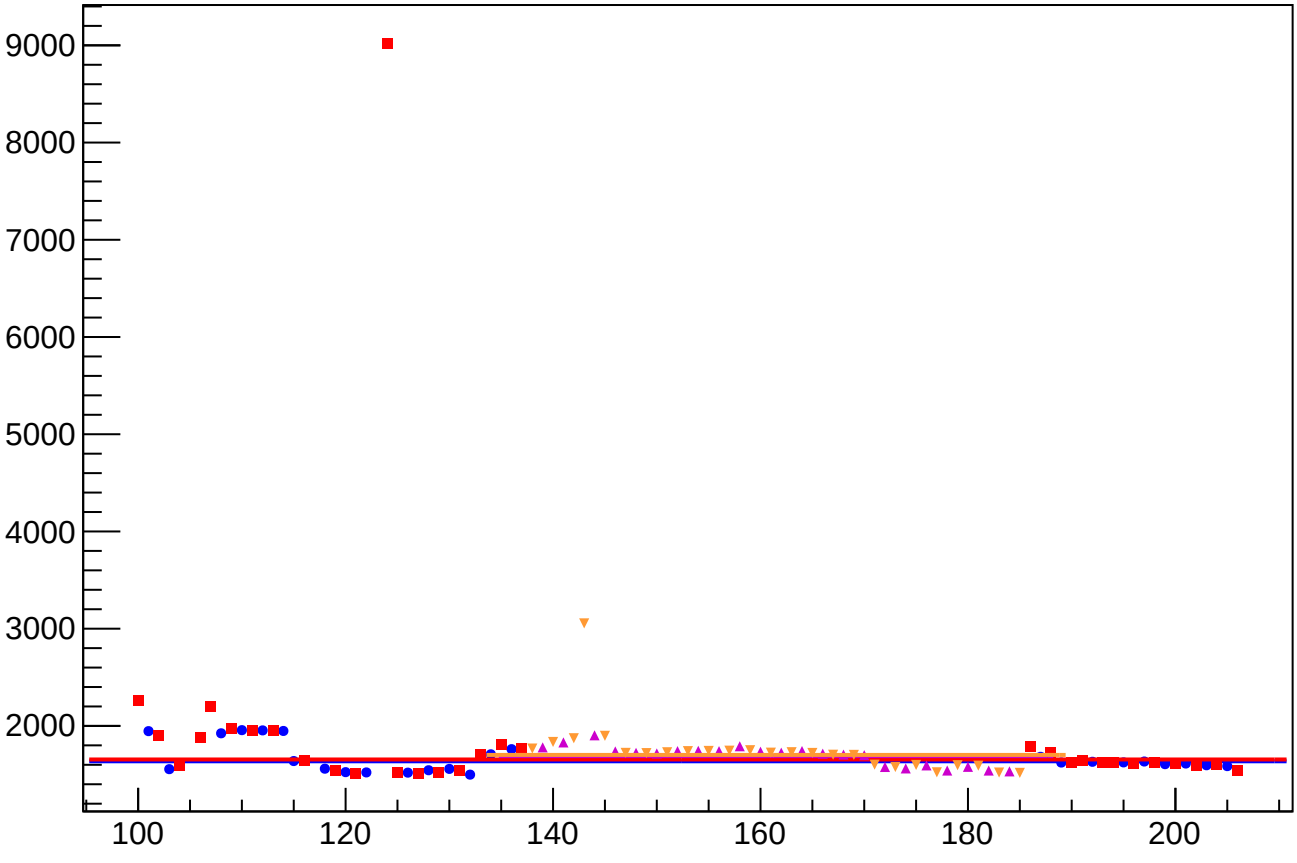
Left In: 559.995+/-395.112 χ^2/NDF:7.5/22

+ sign 81.500+/-290.526 χ^2/NDF: 58.4/49

All: 337.430+/-203.531 χ^2/NDF: 100.3/103

- sign 584.100+/-285.221 χ^2/NDF: 40.4/53

reg_asym_atl_dd_rms vs Slug



Right In: 1636.115+/-0.309 χ^2/NDF: 150527.2/24

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.1/24

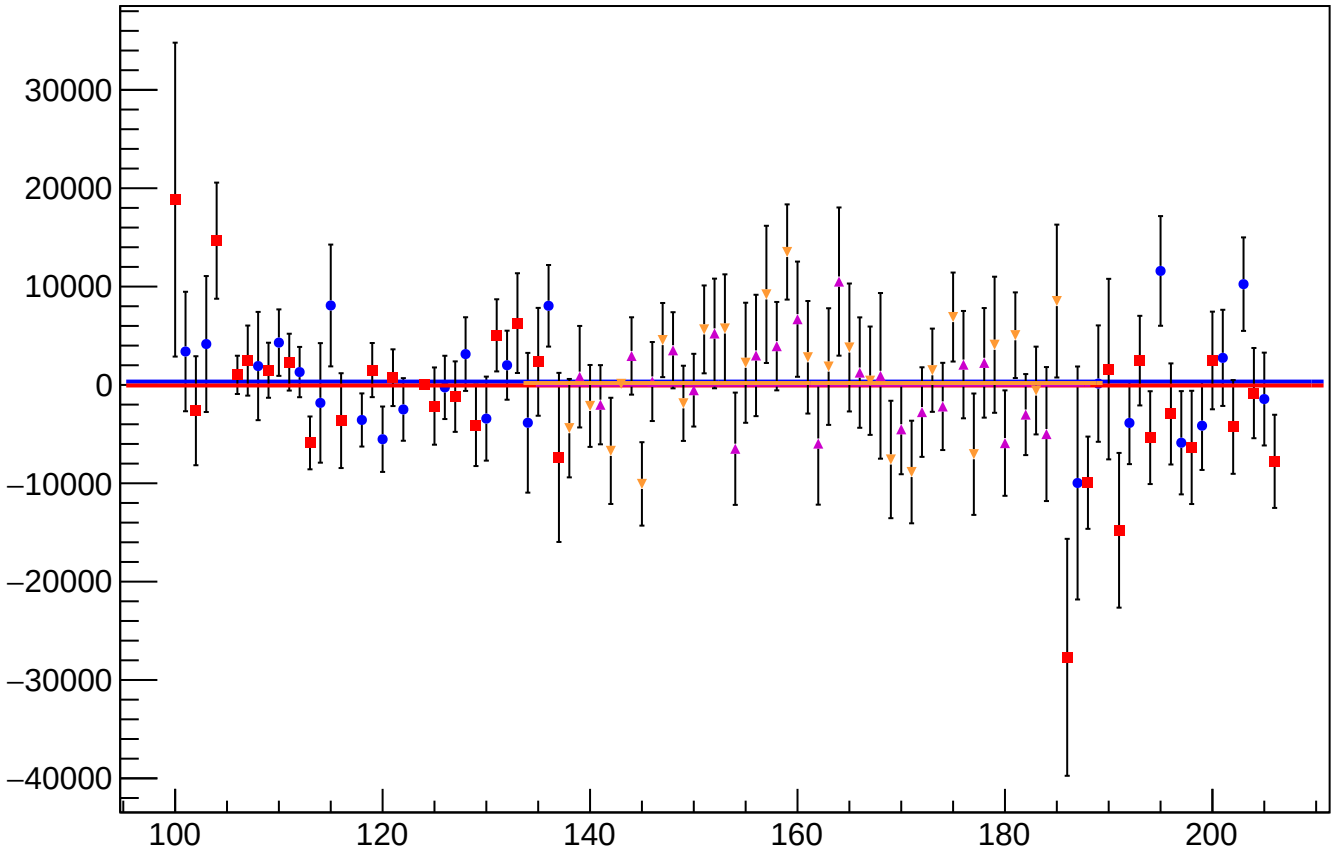
Right Out: 1654.755+/-0.291 χ^2/NDF: 421663.0/30

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1672.665+/-0.205 χ^2/NDF: 627950.7/49

All: 1672.683+/-0.144 χ^2/NDF: 1179250.6/10

- sign 1672.701+/-0.201 χ^2/NDF: 551299.9/53



Right In: 340.367+/-837.951 χ^2/NDF: 28.2/24

Left Out: 193.503+/-343.131 χ^2/NDF:33.9/24

Right Out: -56.438+/-316.846 χ^2/NDF: 41.2/30

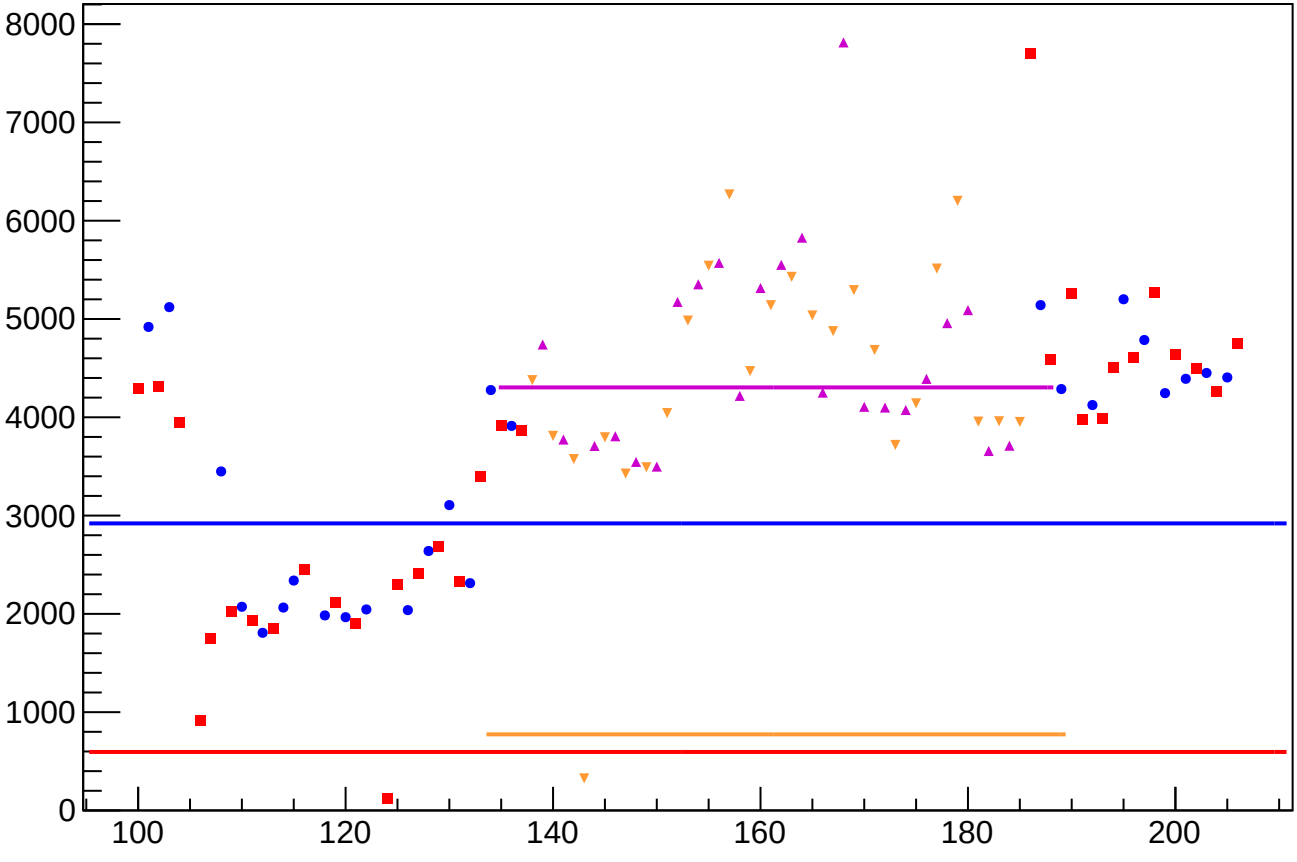
Left In: 28.728+/-1025.481 χ^2/NDF:13.3/22

+ sign 214.593+/-317.540 χ^2/NDF: 62.1/49

All: 76.496+/-219.109 χ^2/NDF: 117.0/103

- sign -49.017+/-302.725 χ^2/NDF: 54.5/53

asym_atl_dd_reg_correction_rms vs Slug



Right In: 2920.397+/-0.593 χ^2/NDF: 3658107.2/24

Left Out: 774.232+/-0.243 χ^2/NDF:28085586.8/24

Right Out: 595.145+/-0.224 χ^2/NDF: 25194610.8/30

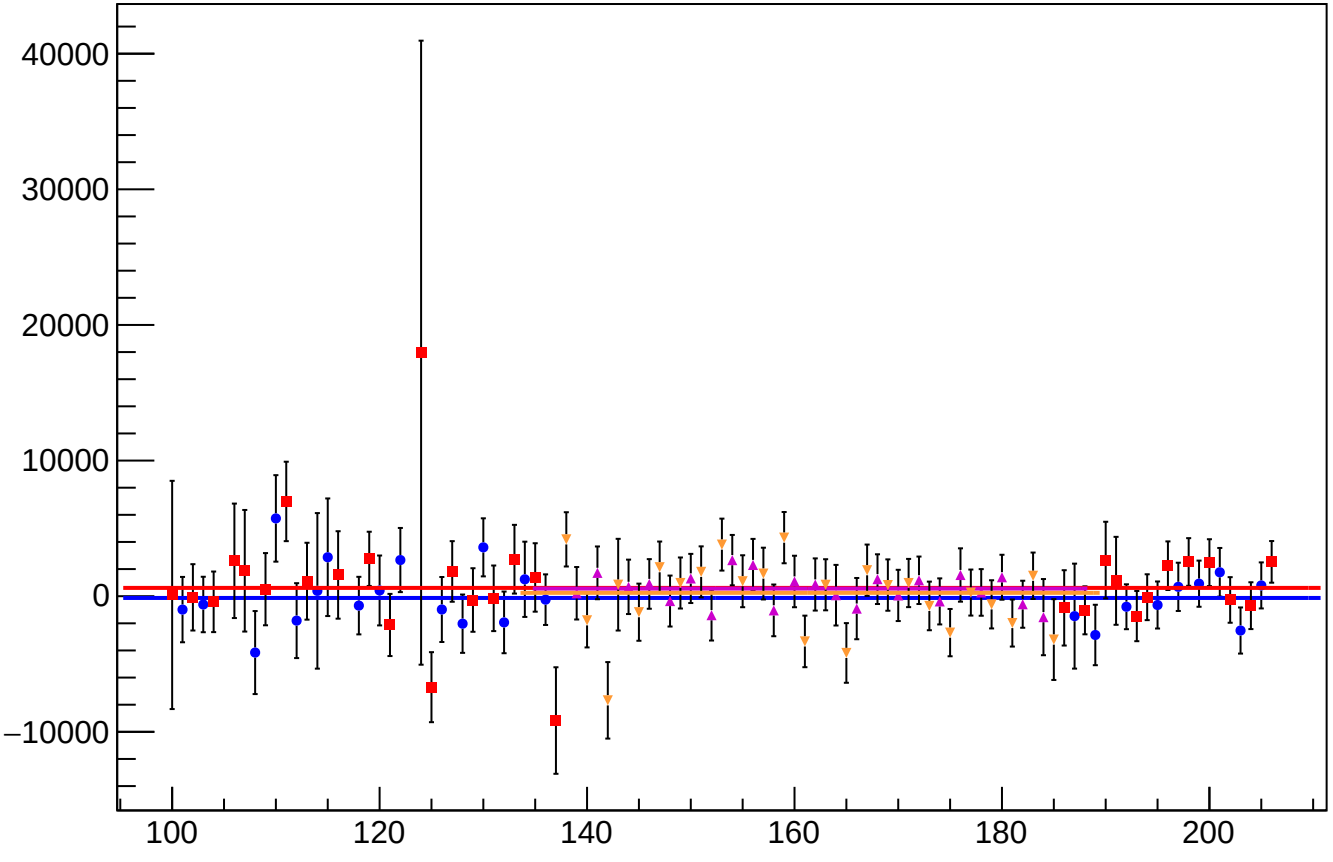
Left In: 4304.007+/-0.725 χ^2/NDF:1216578.1/22

+ sign 1082.425+/-0.225 χ^2/NDF: 42979248.4/49

All: 996.473+/-0.155 χ^2/NDF: 93551439.2/10

- sign 918.354+/-0.214 χ^2/NDF: 50292473.6/53

cor_asym_atl_dd_mean vs Slug



Right In: -129.166+/-437.133 χ^2/NDF: 18.4/24

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 612.135+/-412.156 χ^2/NDF: 32.9/30

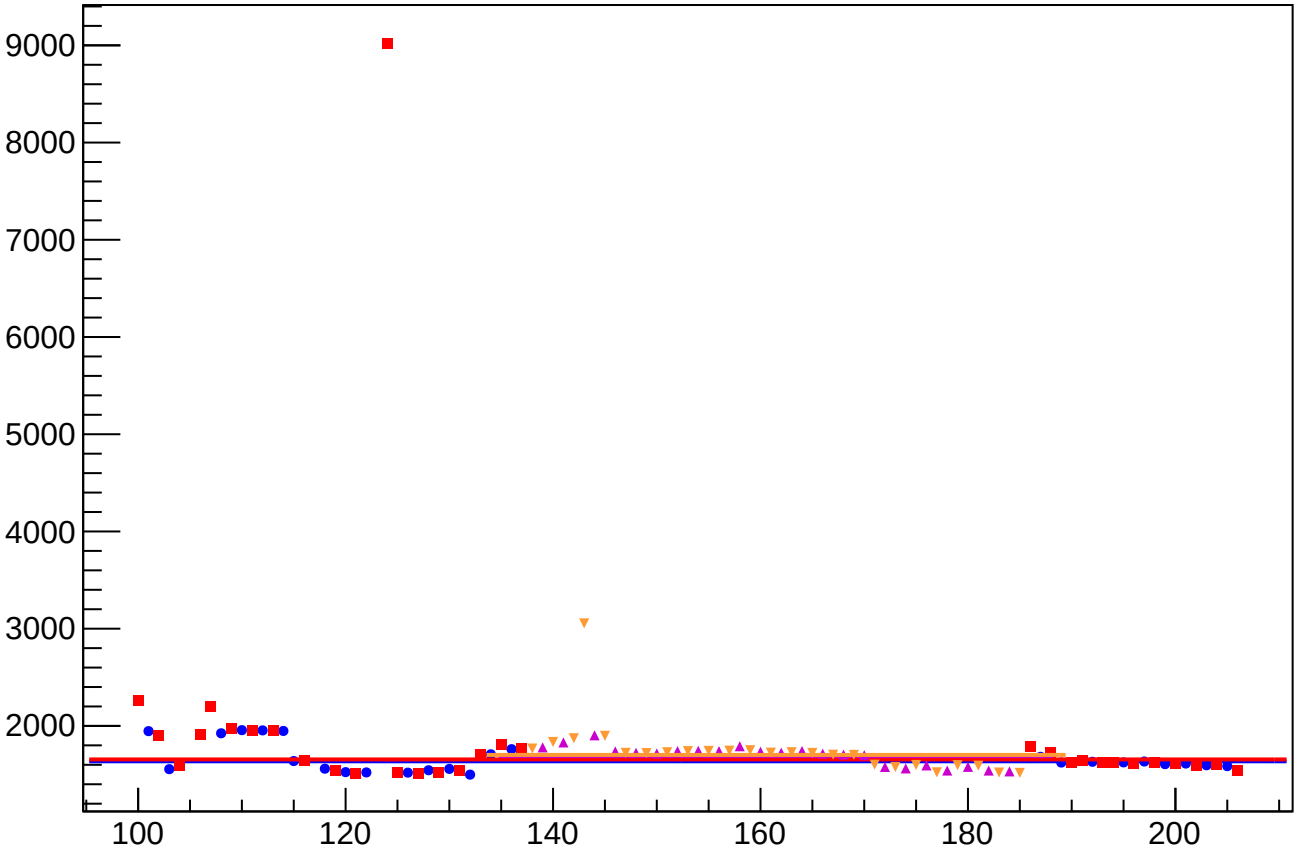
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 81.521+/-290.526 χ^2/NDF: 58.4/49

All: 337.871+/-203.531 χ^2/NDF: 100.3/103

- sign 584.946+/-285.221 χ^2/NDF: 40.4/53

cor_asym_atl_dd_rms vs Slug



Right In: 1636.115+/-0.309 χ^2/NDF: 150527.2/24

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

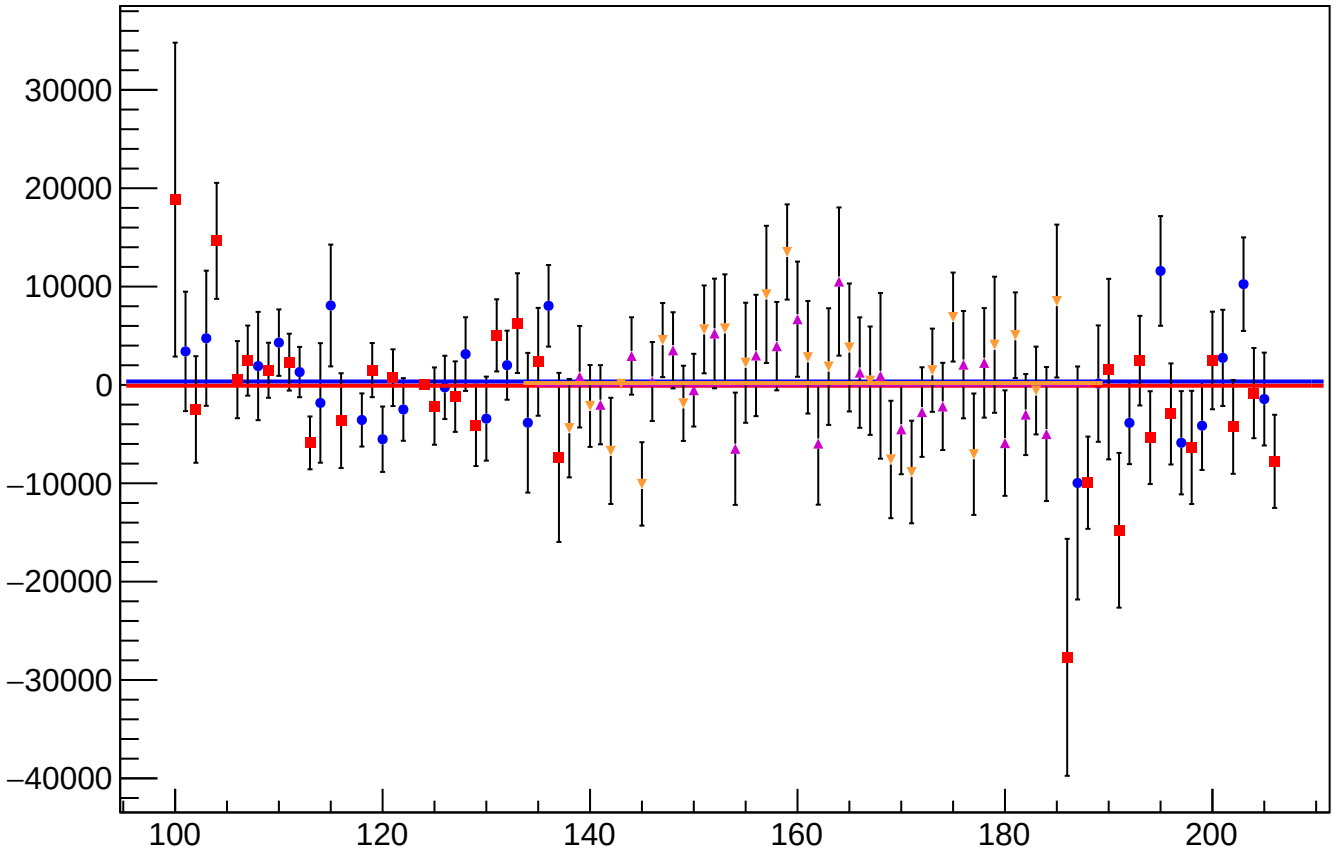
Right Out: 1655.075+/-0.291 χ^2/NDF: 423740.9/30

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1672.665+/-0.205 χ^2/NDF: 627950.7/49

All: 1672.763+/-0.144 χ^2/NDF: 1181192.2/10

- sign 1672.859+/-0.202 χ^2/NDF: 553241.0/53



Right In: 349.959+/-837.873 χ^2/NDF: 28.3/24

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -79.962+/-309.373 χ^2/NDF: 40.9/30

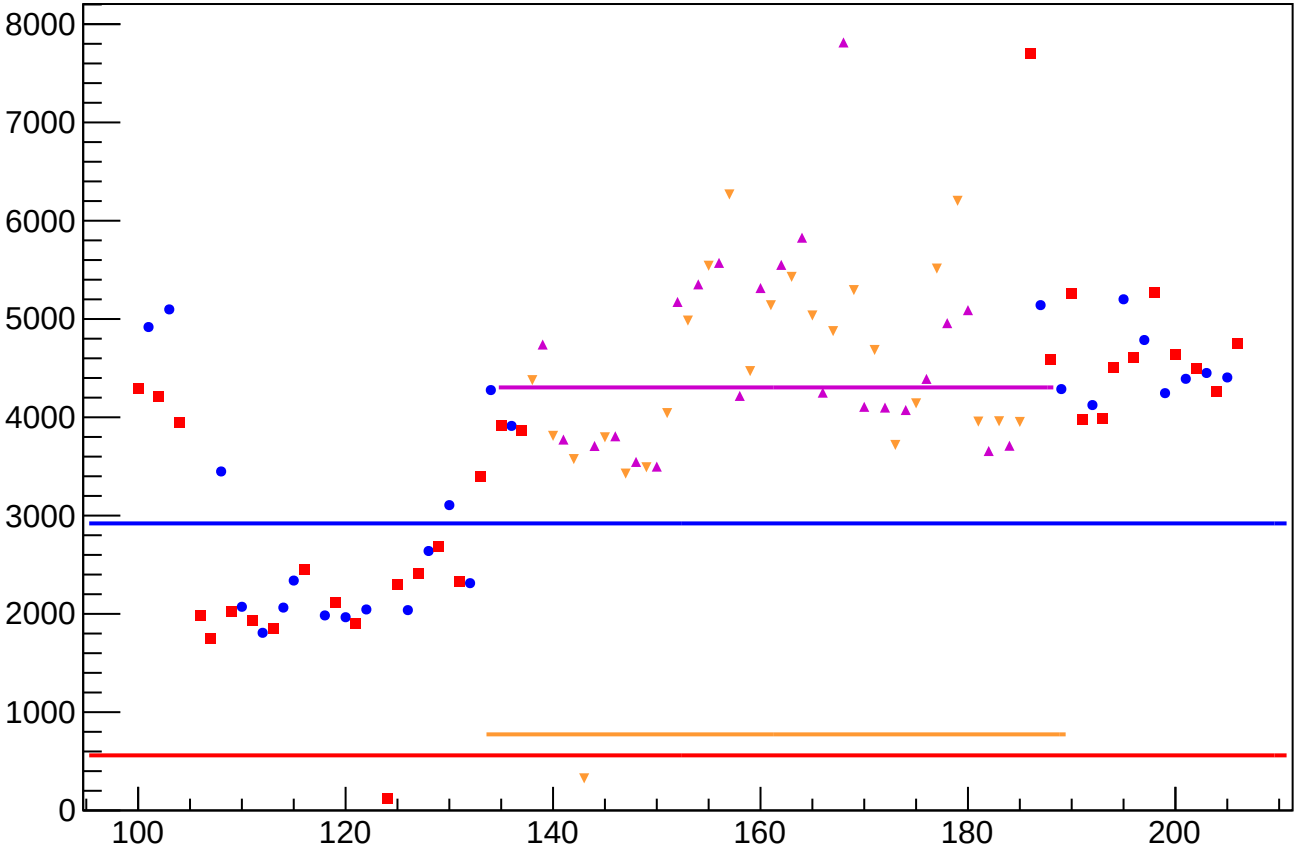
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 216.325+/-317.517 χ^2/NDF: 62.2/49

All: 62.746+/-216.584 χ^2/NDF: 116.8/103

- sign -70.892+/-296.188 χ^2/NDF: 54.2/53

asym_atl_dd_cor_correction_rms vs Slug



Right In: 2920.431+/-0.592 χ^2/NDF: 3656191.6/24

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 560.474+/-0.219 χ^2/NDF: 25752415.6/30

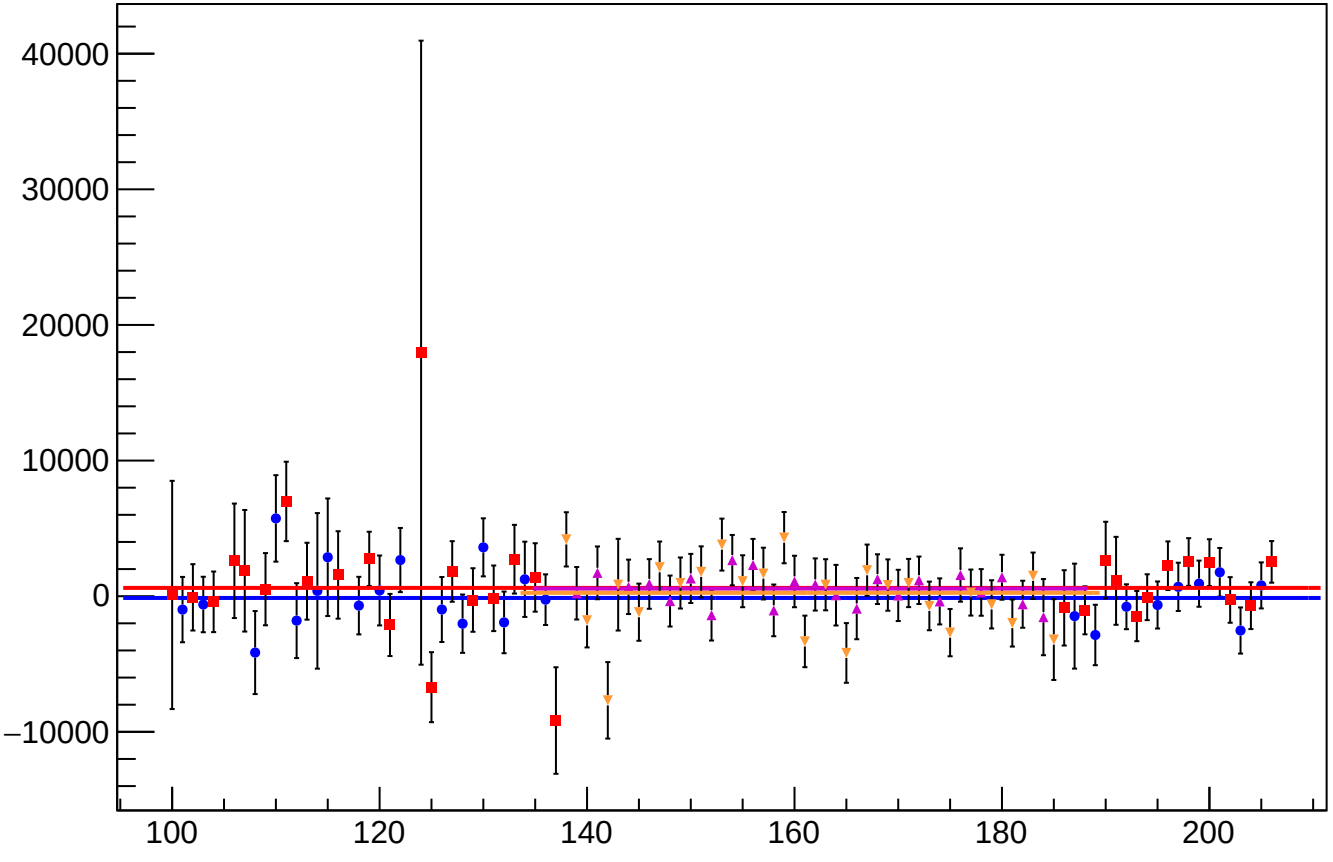
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1082.366+/-0.225 χ^2/NDF: 42981524.3/49

All: 970.290+/-0.153 χ^2/NDF: 94845622.4/10

- sign 872.766+/-0.209 χ^2/NDF: 51398081.9/53

eigen_cor_asym_atl_dd_mean vs Slug



Right In: -129.166+/-437.133 χ^2/NDF: 18.4/24

Left Out: 248.216+/-388.827 χ^2/NDF:39.6/24

Right Out: 612.135+/-412.156 χ^2/NDF: 32.9/30

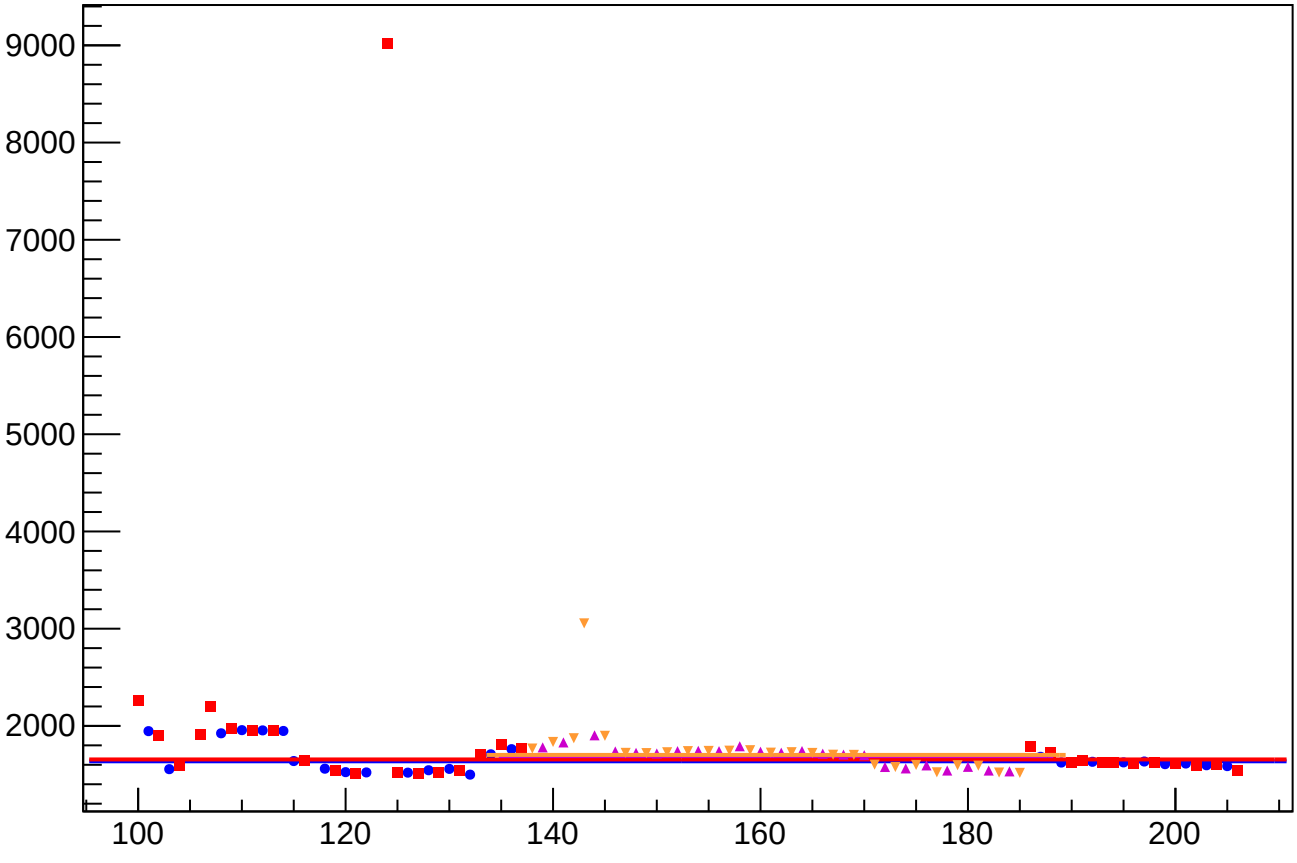
Left In: 559.960+/-395.112 χ^2/NDF:7.5/22

+ sign 81.521+/-290.526 χ^2/NDF: 58.4/49

All: 337.871+/-203.531 χ^2/NDF: 100.3/103

- sign 584.946+/-285.221 χ^2/NDF: 40.4/53

eigen_cor_asym_atl_dd_rms vs Slug



Right In: 1636.115+/-0.309 χ^2/NDF: 150527.2/24

Left Out: 1701.583+/-0.275 χ^2/NDF:452379.0/24

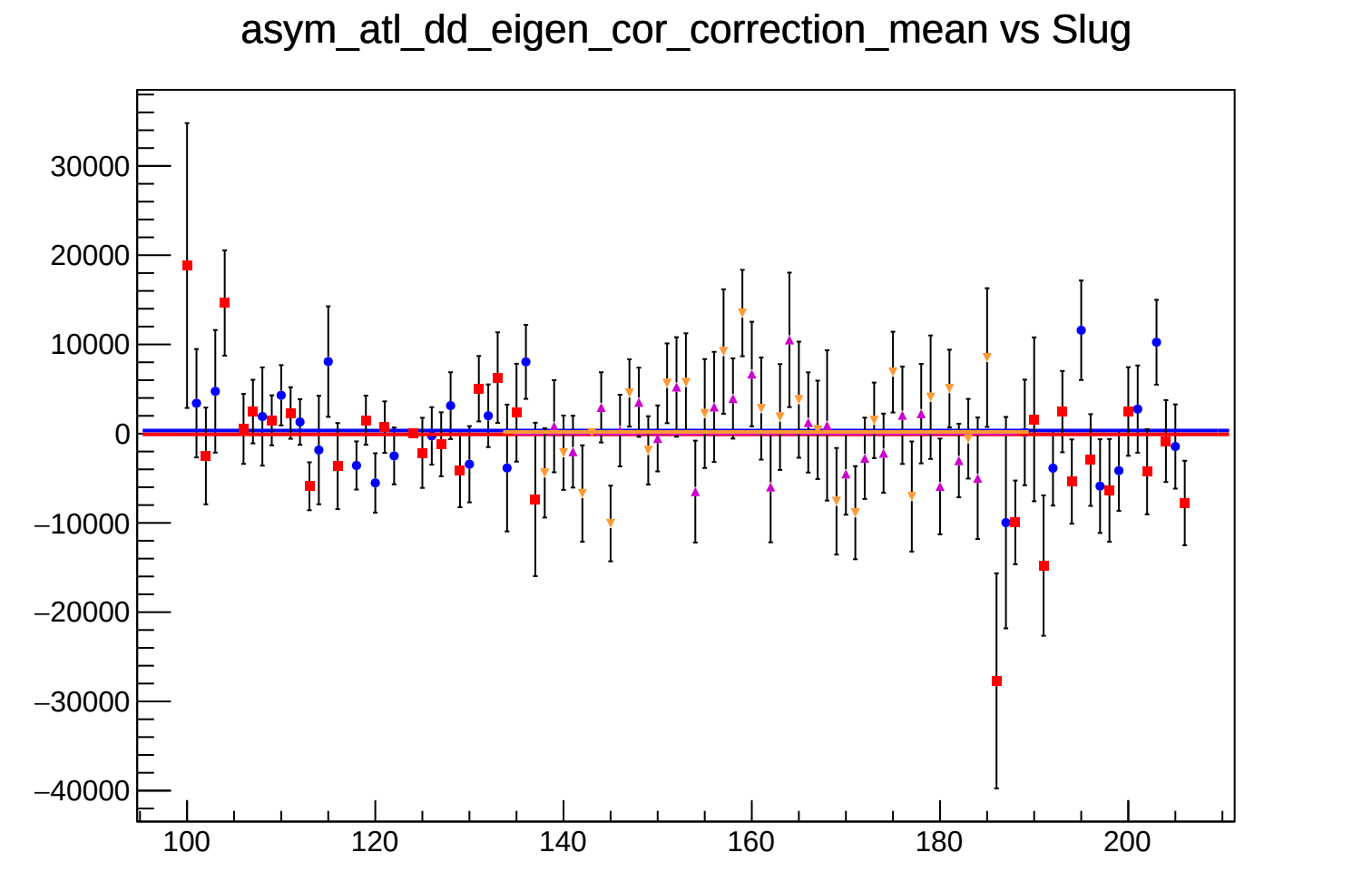
Right Out: 1655.075+/-0.291 χ^2/NDF: 423740.9/30

Left In: 1689.259+/-0.279 χ^2/NDF:122317.9/22

+ sign 1672.665+/-0.205 χ^2/NDF: 627950.7/49

All: 1672.763+/-0.144 χ^2/NDF: 1181192.2/10

- sign 1672.859+/-0.202 χ^2/NDF: 553241.0/53



Right In: 349.959+/-837.873 χ^2/NDF: 28.3/24

Left Out: 193.916+/-343.107 χ^2/NDF:33.9/24

Right Out: -79.962+/-309.373 χ^2/NDF: 40.9/30

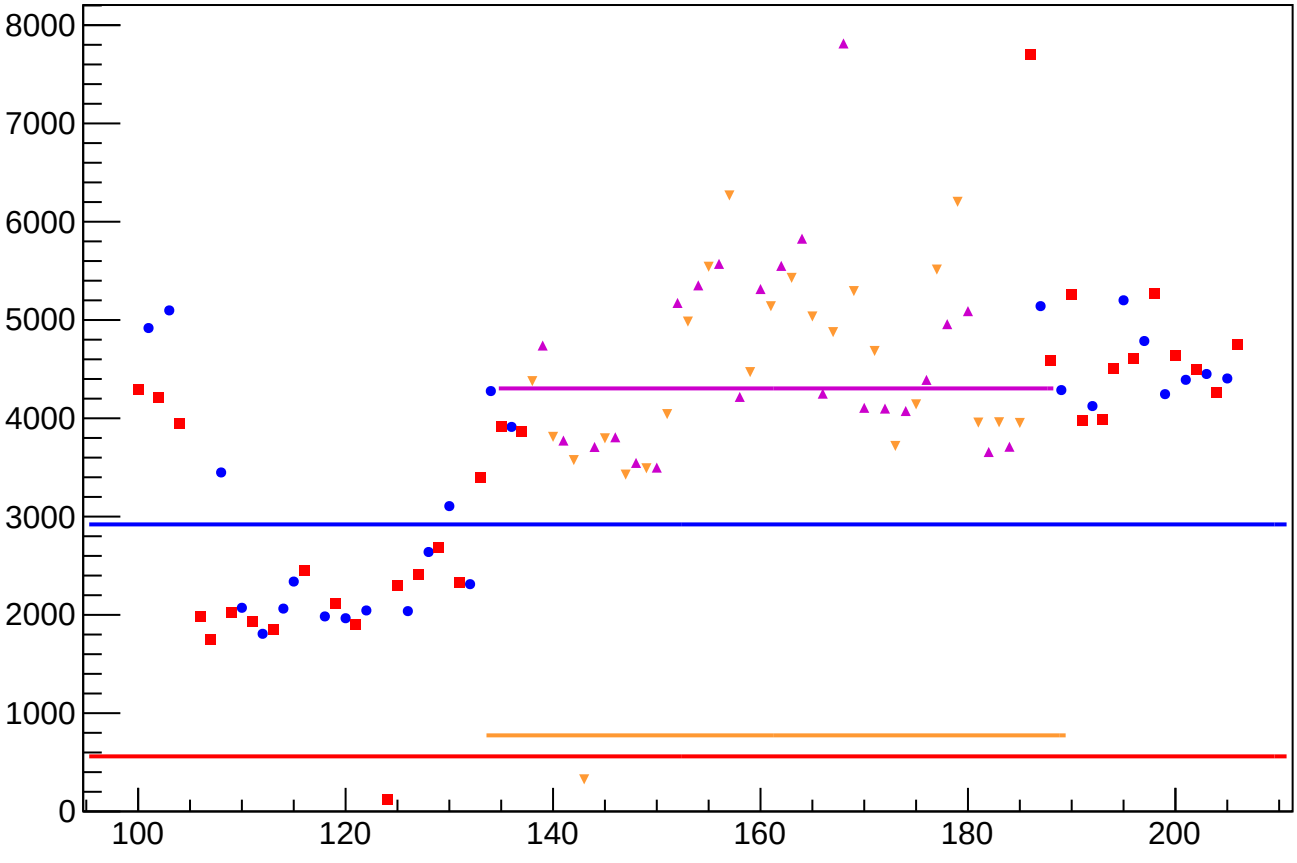
Left In: 28.766+/-1025.480 χ^2/NDF:13.3/22

+ sign 216.325+/-317.517 χ^2/NDF: 62.2/49

All: 62.746+/-216.584 χ^2/NDF: 116.8/103

- sign -70.892+/-296.188 χ^2/NDF: 54.2/53

asym_atl_dd_eigen_cor_correction_rms vs Slug



Right In: 2920.431+/-0.592 χ^2/NDF: 3656191.6/24

Left Out: 774.143+/-0.243 χ^2/NDF:28086455.1/24

Right Out: 560.474+/-0.219 χ^2/NDF: 25752415.6/30

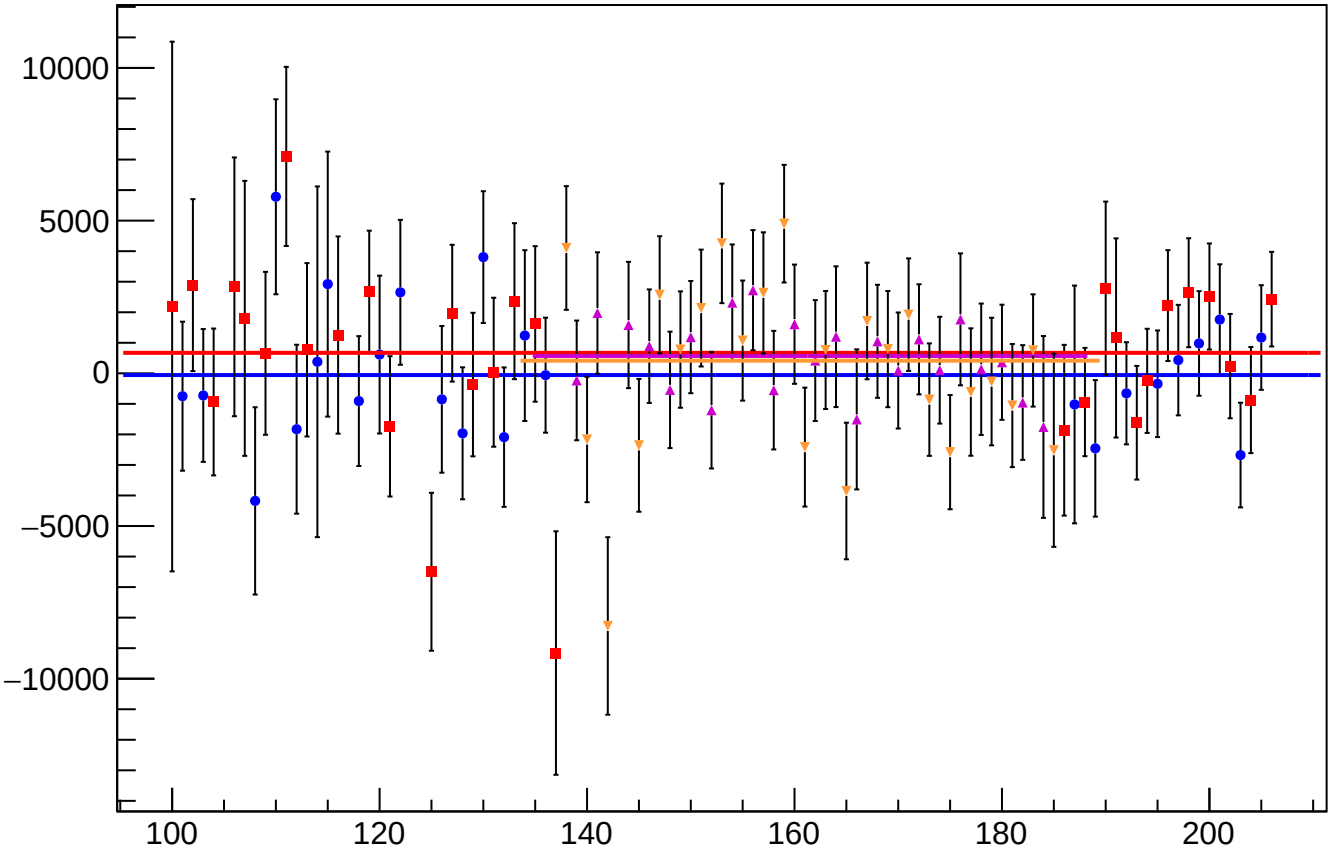
Left In: 4304.001+/-0.725 χ^2/NDF:1216572.3/22

+ sign 1082.366+/-0.225 χ^2/NDF: 42981524.3/49

All: 970.290+/-0.153 χ^2/NDF: 94845622.4/10

- sign 872.766+/-0.209 χ^2/NDF: 51398081.9/53

dit_asym_atl_dd_mean vs Slug



Right In: -56.565+/-441.274 χ^2/NDF: 18.5/24

Left Out: 413.309+/-410.536 χ^2/NDF:40.0/23

Right Out: 671.149+/-417.440 χ^2/NDF: 32.5/29

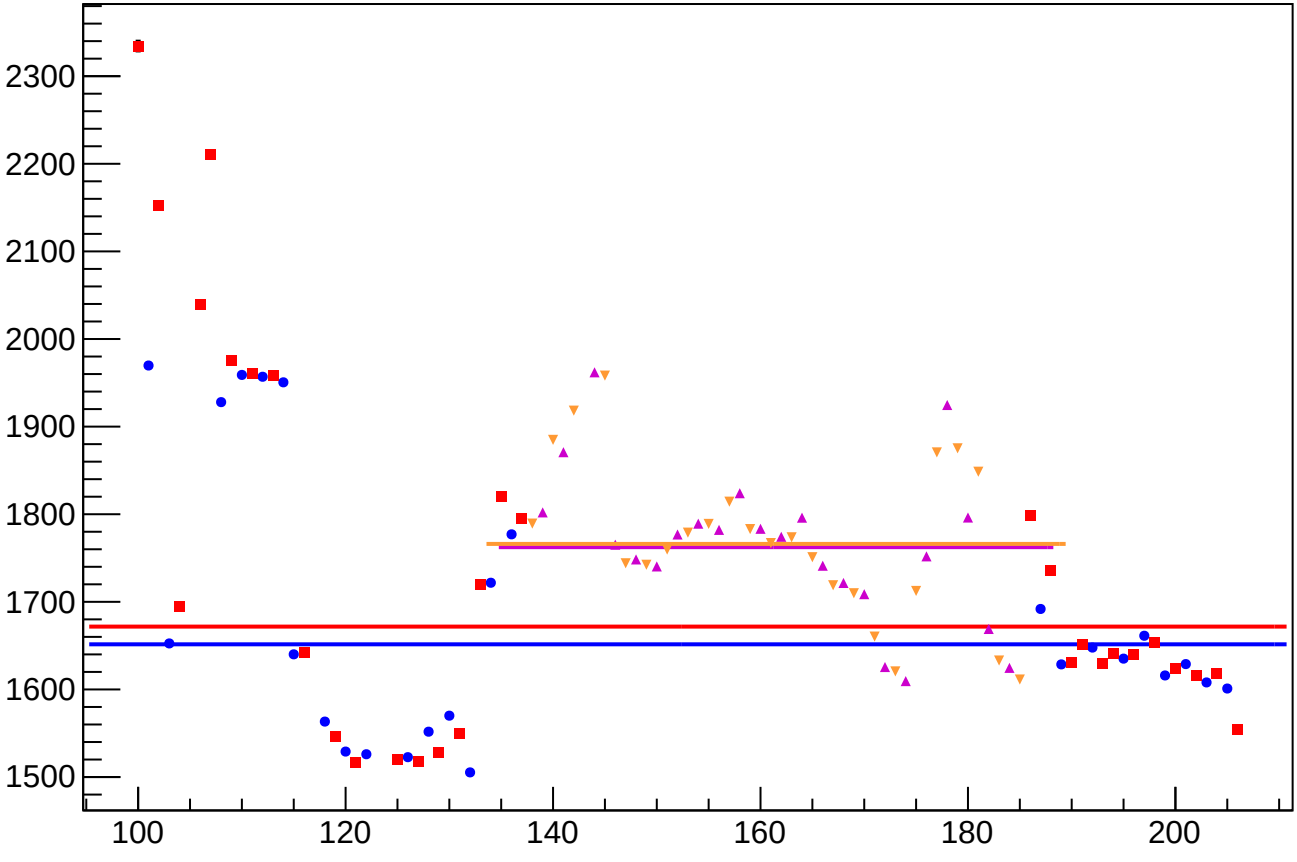
Left In: 568.823+/-412.052 χ^2/NDF:7.7/22

+ sign 195.306+/-300.572 χ^2/NDF: 59.1/48

All: 412.540+/-209.900 χ^2/NDF: 100.4/101

- sign 619.321+/-293.251 χ^2/NDF: 40.3/52

dit_asym_atl_dd_rms vs Slug



Right In: 1651.518+/-0.312 χ^2/NDF: 148255.0/24

Left Out: 1766.115+/-0.290 χ^2/NDF:83252.4/23

Right Out: 1671.736+/-0.295 χ^2/NDF: 264663.3/29

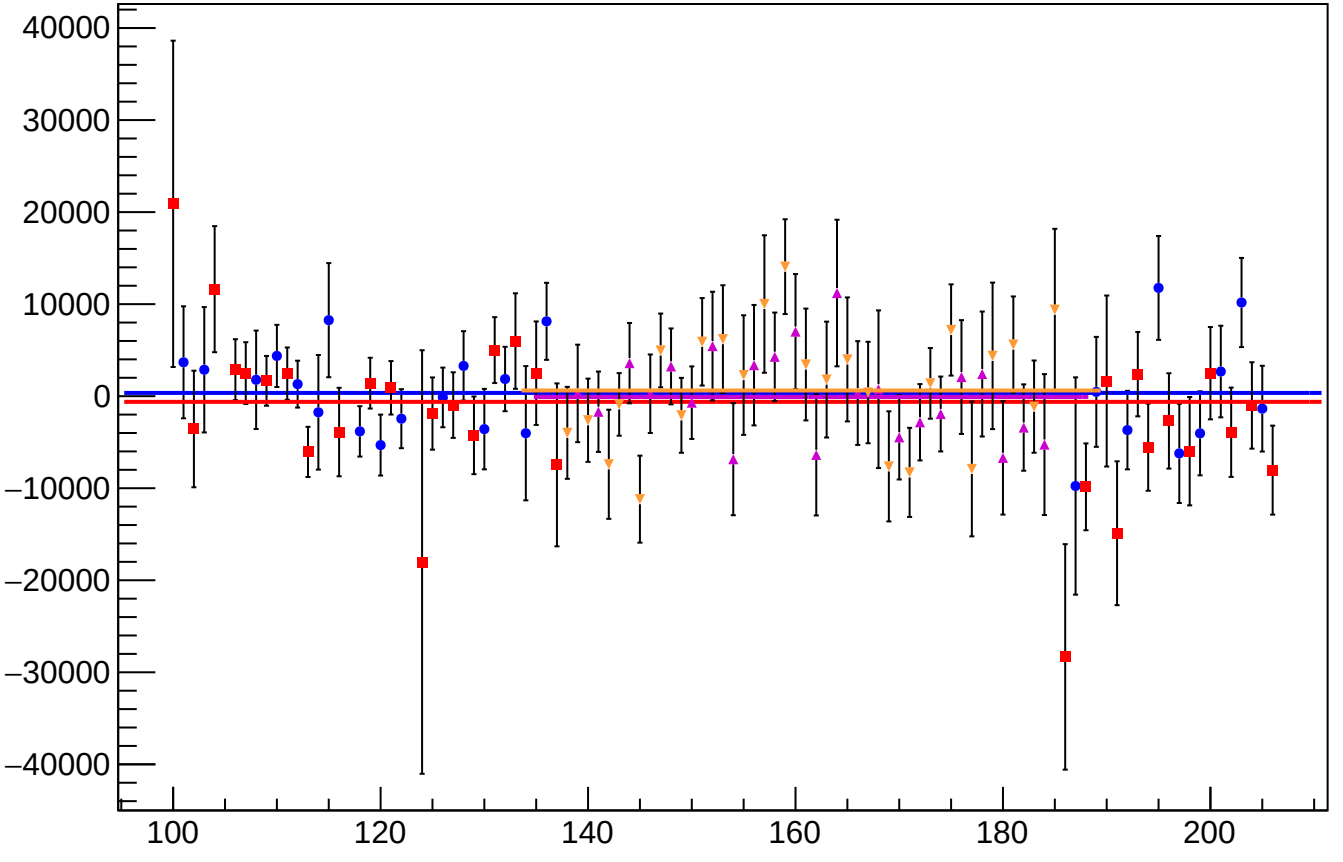
Left In: 1762.405+/-0.291 χ^2/NDF:80090.6/22

+ sign 1712.946+/-0.213 χ^2/NDF: 303810.4/48

All: 1715.340+/-0.148 χ^2/NDF: 696648.3/101

- sign 1717.616+/-0.207 χ^2/NDF: 392590.6/52

asym_atl_dd_dit_correction_mean vs Slug



Right In: 355.536+/-842.895 χ^2/NDF: 27.9/24

Left Out: 619.658+/-1034.658 χ^2/NDF:33.1/24

Right Out: -615.261+/-769.684 χ^2/NDF: 38.5/30

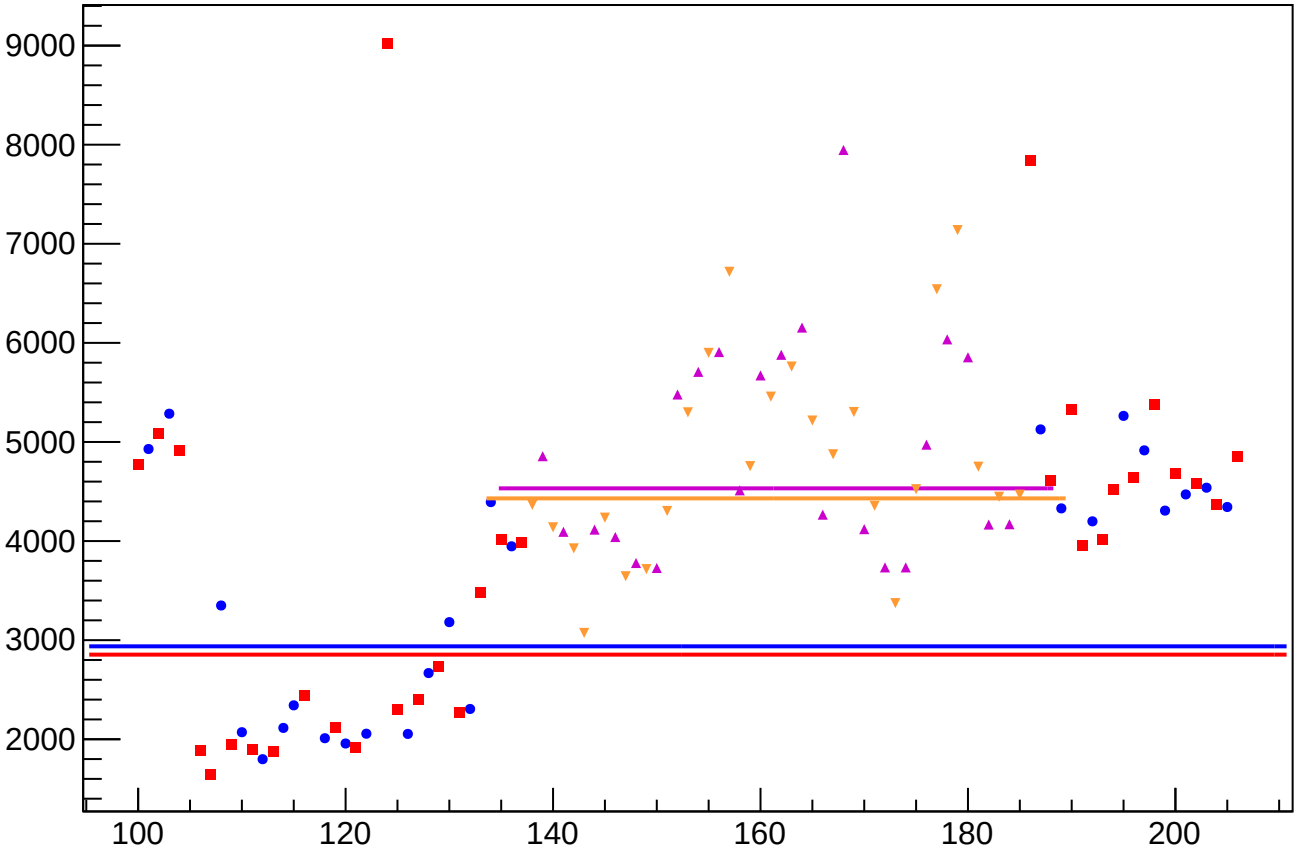
Left In: -85.511+/-1082.508 χ^2/NDF:12.9/22

+ sign 460.899+/-653.491 χ^2/NDF: 60.9/49

All: -6.610+/-452.538 χ^2/NDF: 113.5/103

- sign -437.376+/-627.285 χ^2/NDF: 51.6/53

asym_atl_dd_dit_correction_rms vs Slug



Right In: 2937.711+/-0.596 χ^2/NDF: 3762615.2/24

Left Out: 4430.796+/-0.732 χ^2/NDF:1613272.4/24

Right Out: 2853.912+/-0.544 χ^2/NDF: 5216667.5/30

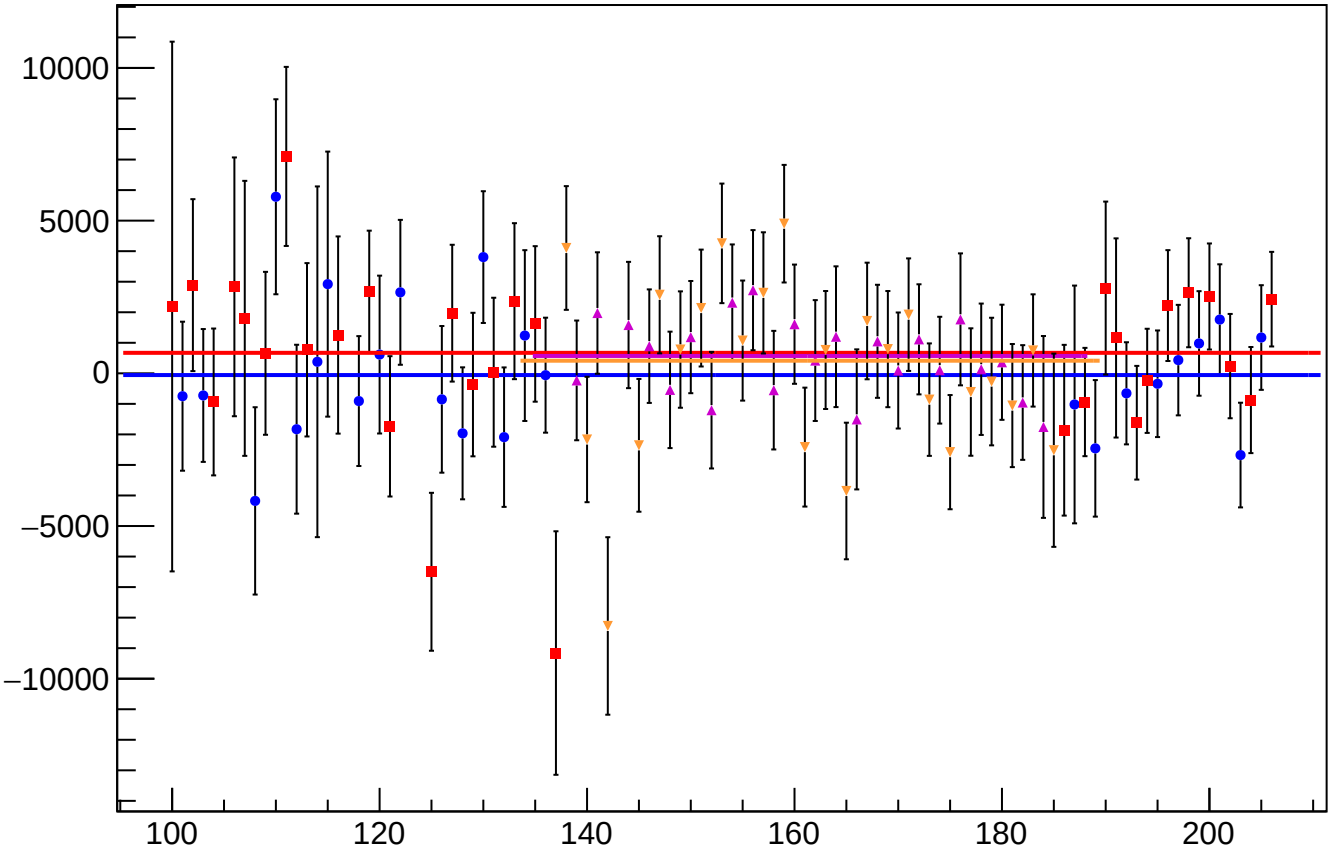
Left In: 4531.944+/-0.765 χ^2/NDF:1376472.2/22

+ sign 3533.333+/-0.462 χ^2/NDF: 7879331.0/49

All: 3472.984+/-0.320 χ^2/NDF: 17697320.8/1

- sign 3417.379+/-0.444 χ^2/NDF: 9785217.5/53

eigen_dit_asym_atl_dd_mean vs Slug



Right In: -56.563+/-441.274 χ^2/NDF: 18.5/24

Left Out: 413.311+/-410.536 χ^2/NDF:40.0/23

Right Out: 671.147+/-417.440 χ^2/NDF: 32.5/29

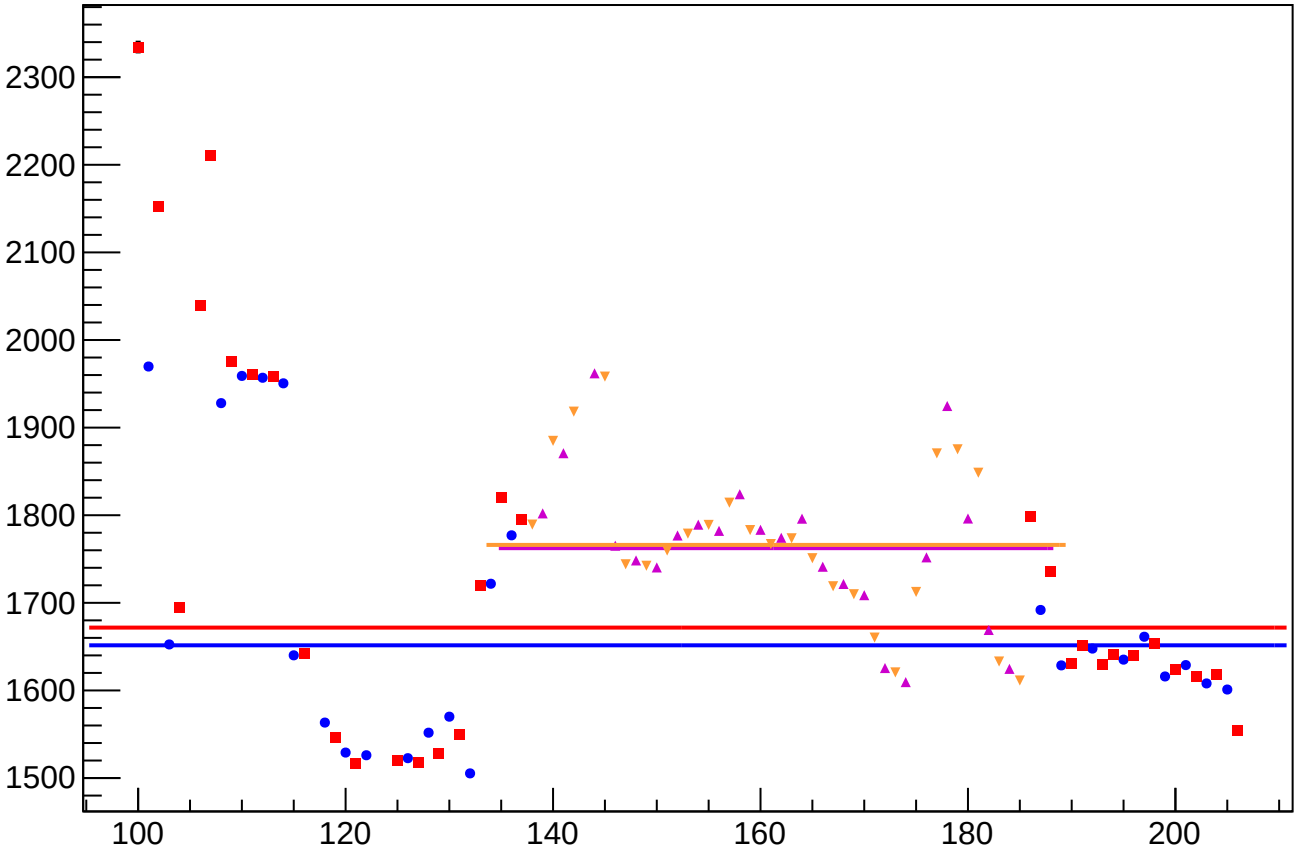
Left In: 568.821+/-412.052 χ^2/NDF:7.7/22

+ sign 195.307+/-300.572 χ^2/NDF: 59.1/48

All: 412.540+/-209.900 χ^2/NDF: 100.4/101

- sign 619.320+/-293.251 χ^2/NDF: 40.3/52

eigen_dit_asym_atl_dd_rms vs Slug



Right In: 1651.518+/-0.312 χ^2/NDF: 148255.0/24

Left Out: 1766.116+/-0.290 χ^2/NDF:83255.3/23

Right Out: 1671.737+/-0.295 χ^2/NDF: 264662.0/29

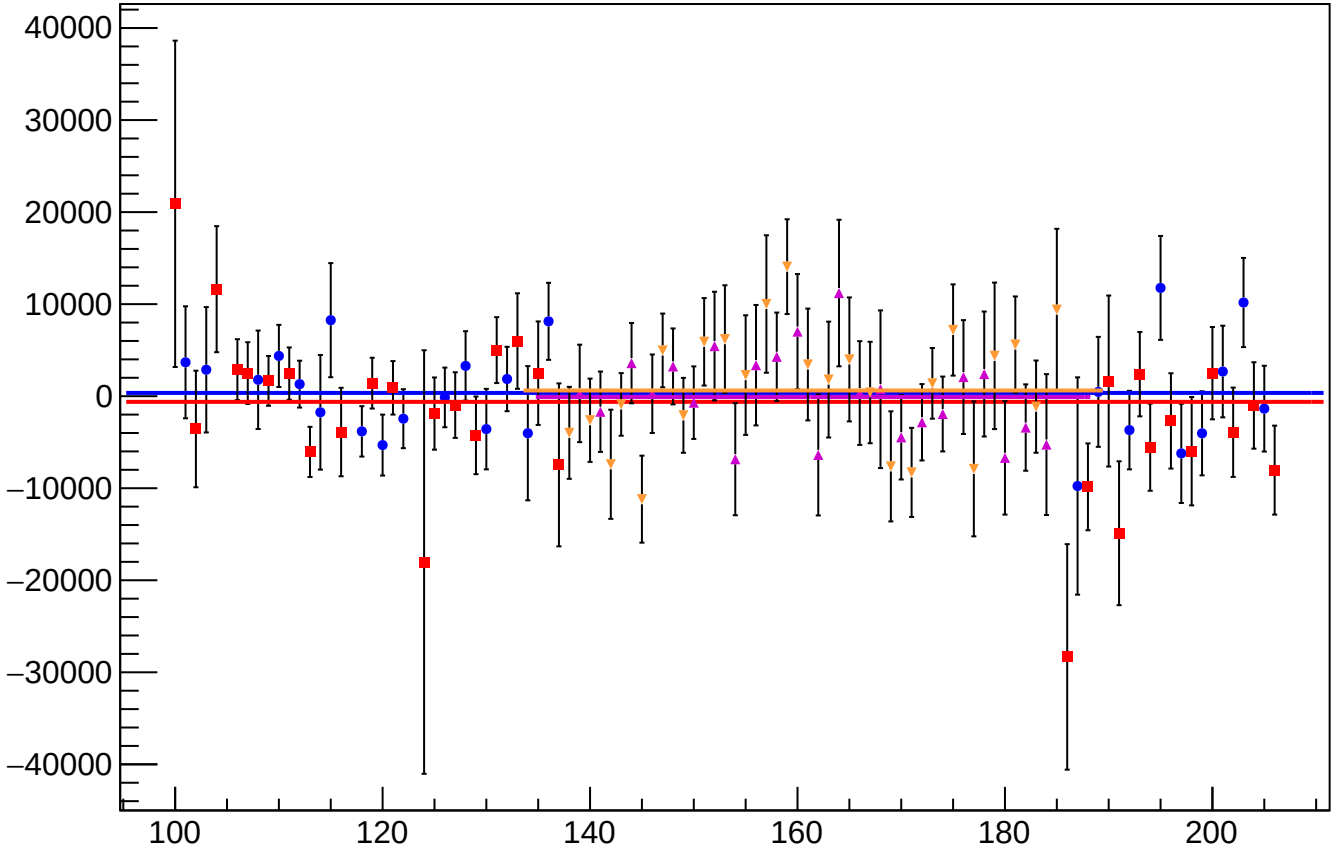
Left In: 1762.406+/-0.291 χ^2/NDF:80093.2/22

+ sign 1712.947+/-0.213 χ^2/NDF: 303814.6/48

All: 1715.340+/-0.148 χ^2/NDF: 696654.8/101

- sign 1717.616+/-0.207 χ^2/NDF: 392592.8/52

asym_atl_dd_eigen_dit_correction_mean vs Slug



Right In: 355.529+/-842.893 χ^2/NDF: 27.9/24

Left Out: 619.663+/-1034.659 χ^2/NDF:33.1/24

Right Out: -615.253+/-769.682 χ^2/NDF: 38.5/30

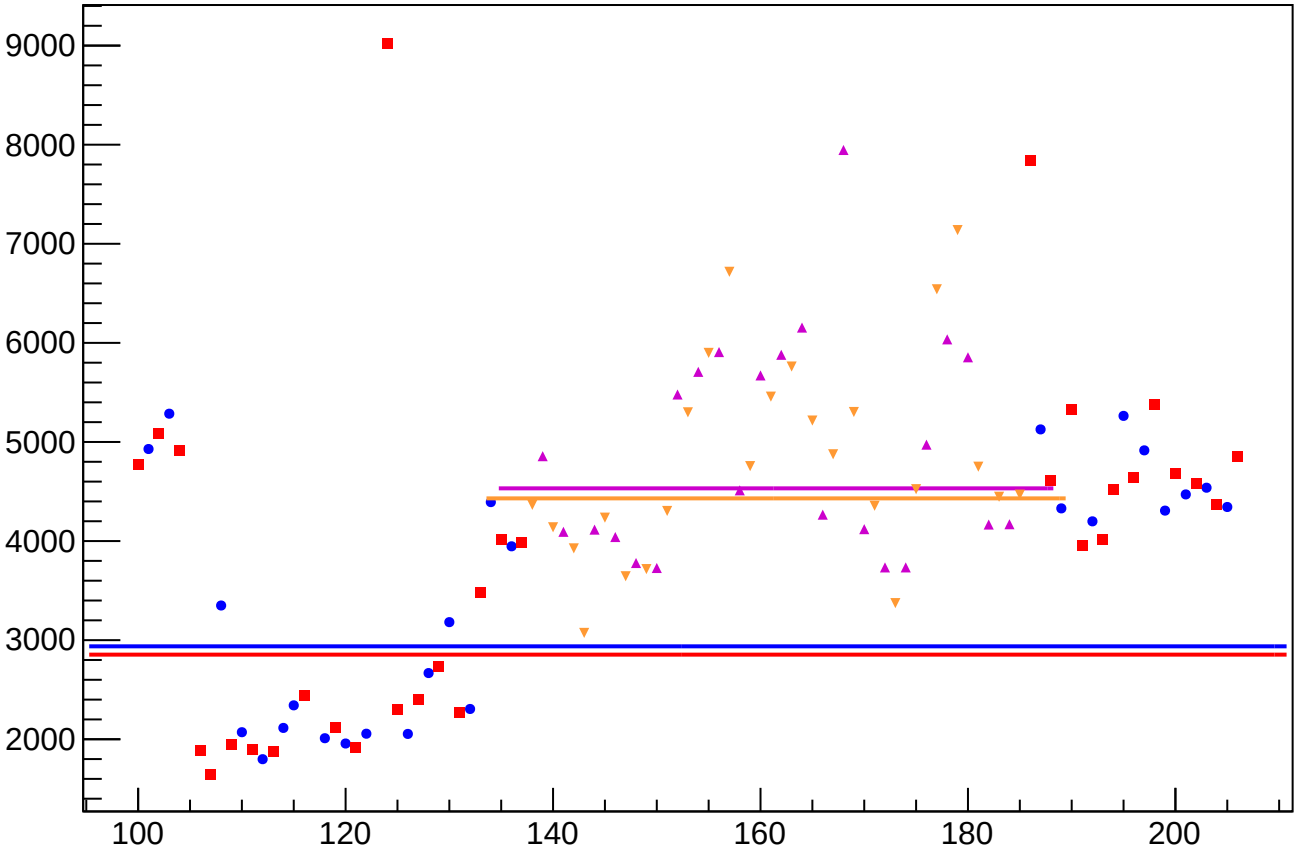
Left In: -85.511+/-1082.509 χ^2/NDF:12.9/22

+ sign 460.897+/-653.490 χ^2/NDF: 60.9/49

All: -6.610+/-452.538 χ^2/NDF: 113.5/103

- sign -437.372+/-627.284 χ^2/NDF: 51.6/53

asym_atl_dd_eigen_dit_correction_rms vs Slug



Right In: 2937.701+/-0.596 χ^2/NDF: 3762667.0/24

Left Out: 4430.803+/-0.732 χ^2/NDF:1613274.9/24

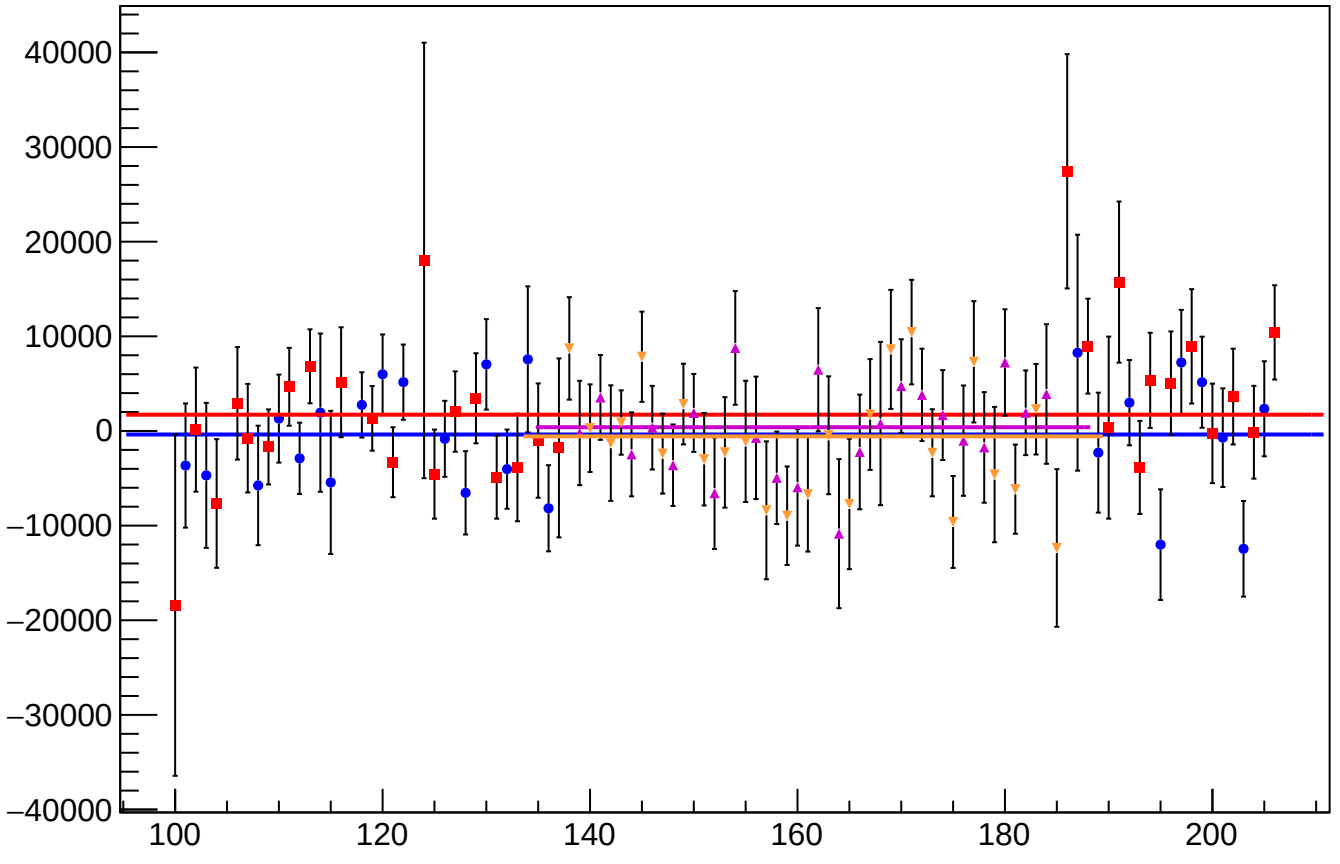
Right Out: 2853.903+/-0.544 χ^2/NDF: 5216720.2/30

Left In: 4531.951+/-0.765 χ^2/NDF:1376473.4/22

\+ sign 3533.326+/-0.462 χ^2/NDF: 7879444.0/49

All: 3472.978+/-0.320 χ^2/NDF: 17697546.9/1

\- sign 3417.372+/-0.444 χ^2/NDF: 9785330.6/53



Right In: -372.650+/-1000.710 χ^2/NDF: 30.9/24

Left Out: -573.122+/-1054.836 χ^2/NDF:28.8/24

Right Out: 1719.642+/-944.411 χ^2/NDF: 30.8/30

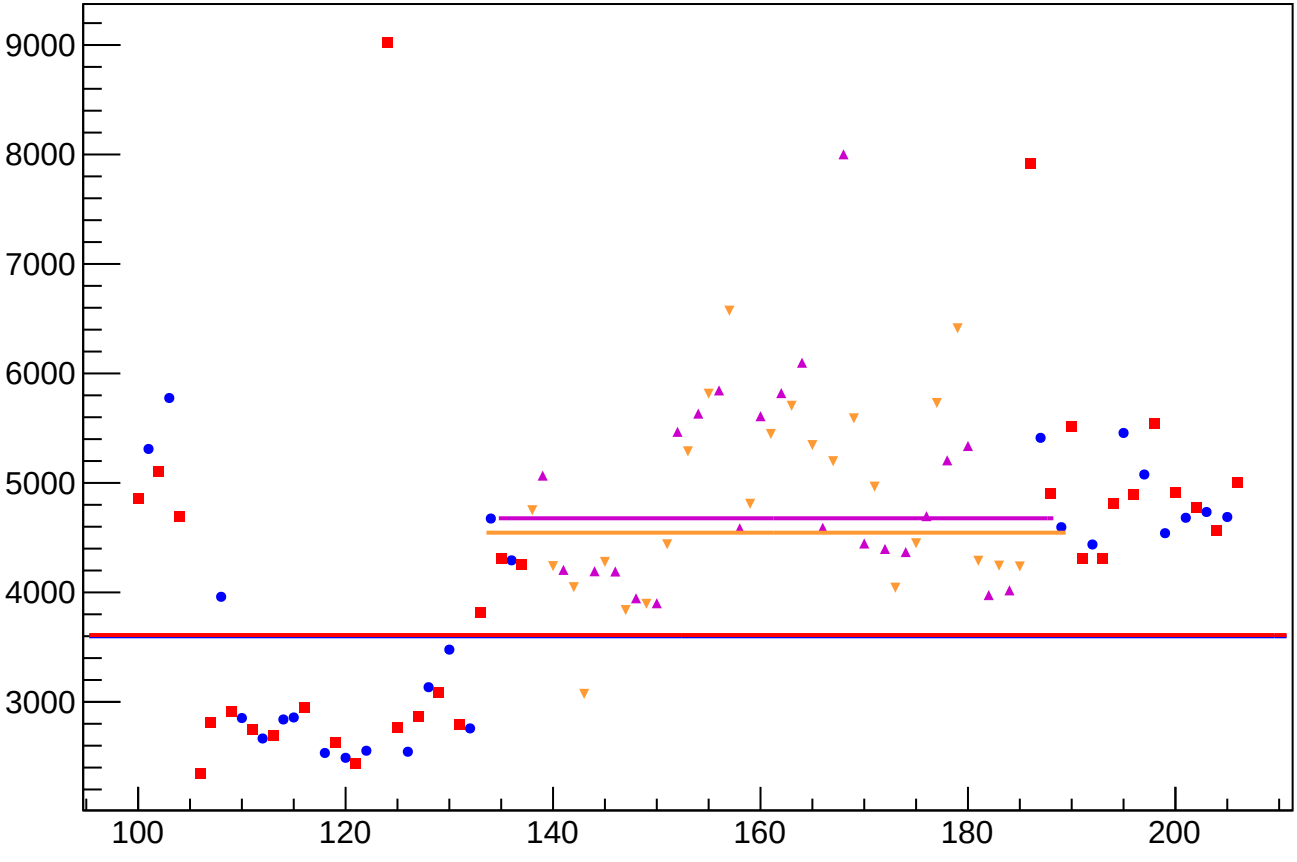
Left In: 398.404+/-1109.490 χ^2/NDF:14.0/22

+ sign -467.611+/-725.990 χ^2/NDF: 59.7/49

All: 356.182+/-510.918 χ^2/NDF: 107.8/103

- sign 1164.534+/-719.154 χ^2/NDF: 45.6/53

asym_atl_dd_rms vs Slug



Right In: 3599.224+/-0.708 χ^2/NDF: 2173296.3/24

Left Out: 4545.493+/-0.746 χ^2/NDF:1258528.5/24

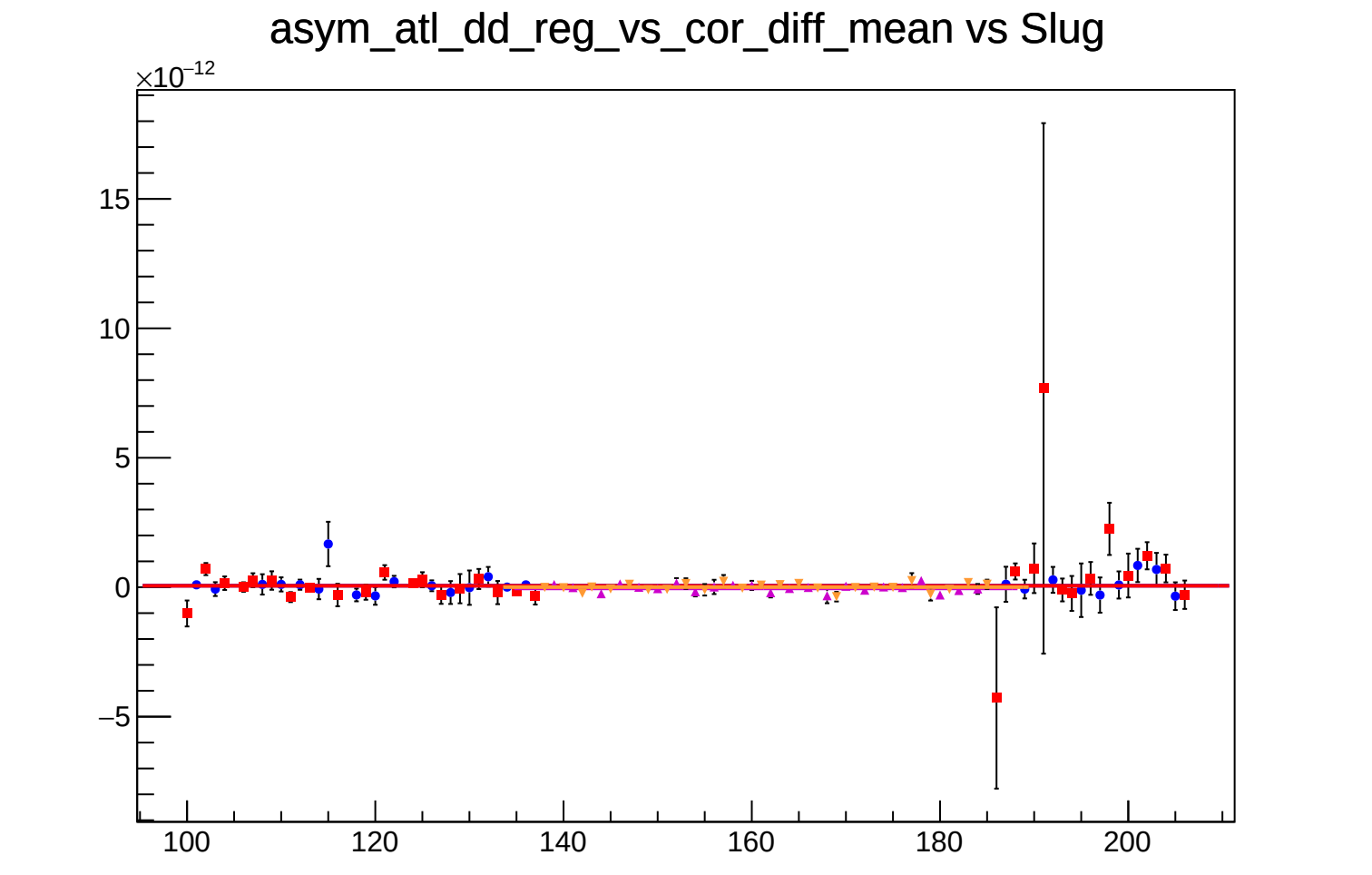
Right Out: 3610.424+/-0.662 χ^2/NDF: 2778712.7/30

Left In: 4677.049+/-0.785 χ^2/NDF:959885.7/22

+ sign 4047.458+/-0.513 χ^2/NDF: 4278923.4/49

All: 4050.682+/-0.360 χ^2/NDF: 9097661.6/10

- sign 4053.812+/-0.506 χ^2/NDF: 4818660.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 13.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.2/24

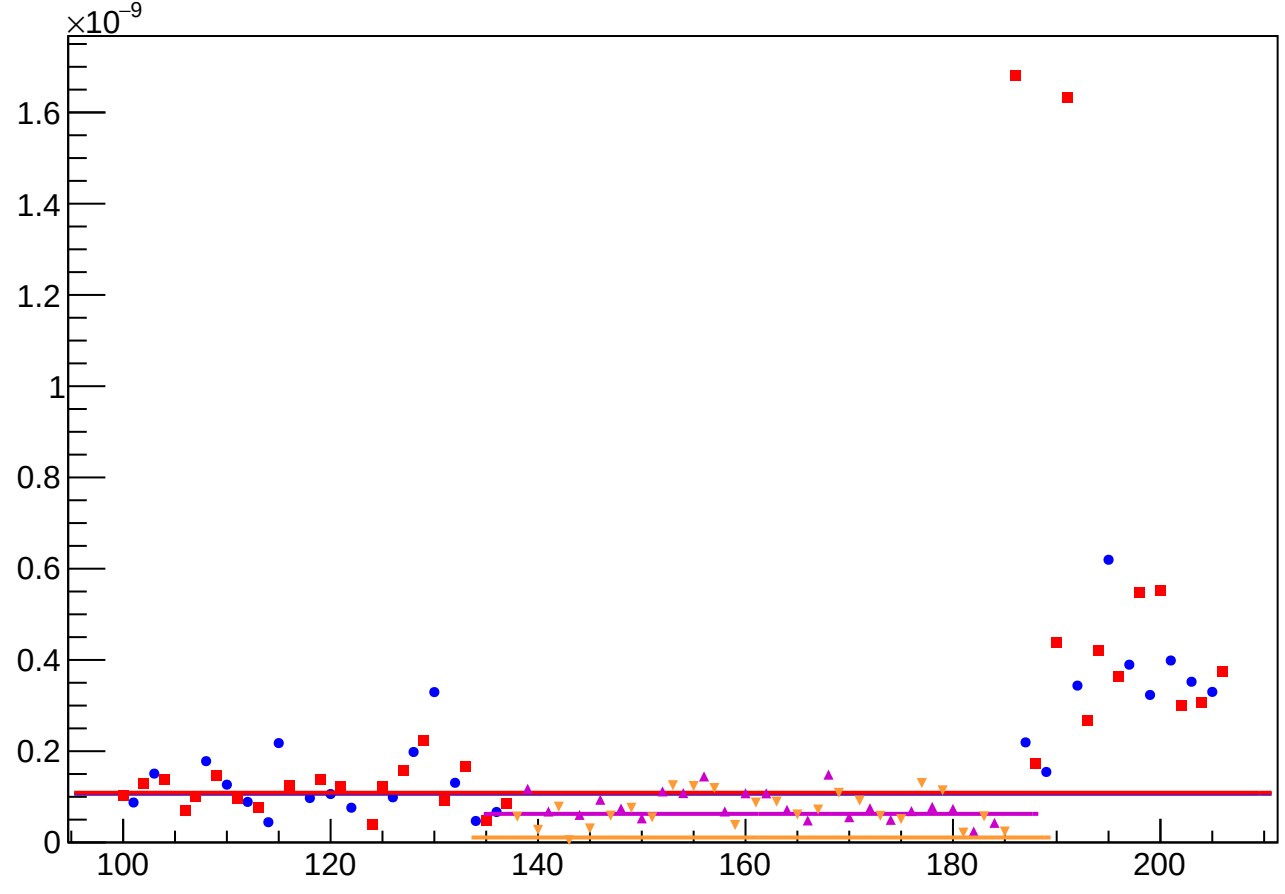
Right Out: 0.000+/-0.000 χ^2/NDF: 48.7/30

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 32.2/49

All: 0.000+/-0.000 χ^2/NDF: 105.8/103

- sign -0.000+/-0.000 χ^2/NDF: 72.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 3911653.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:9705530.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5001566.7/30

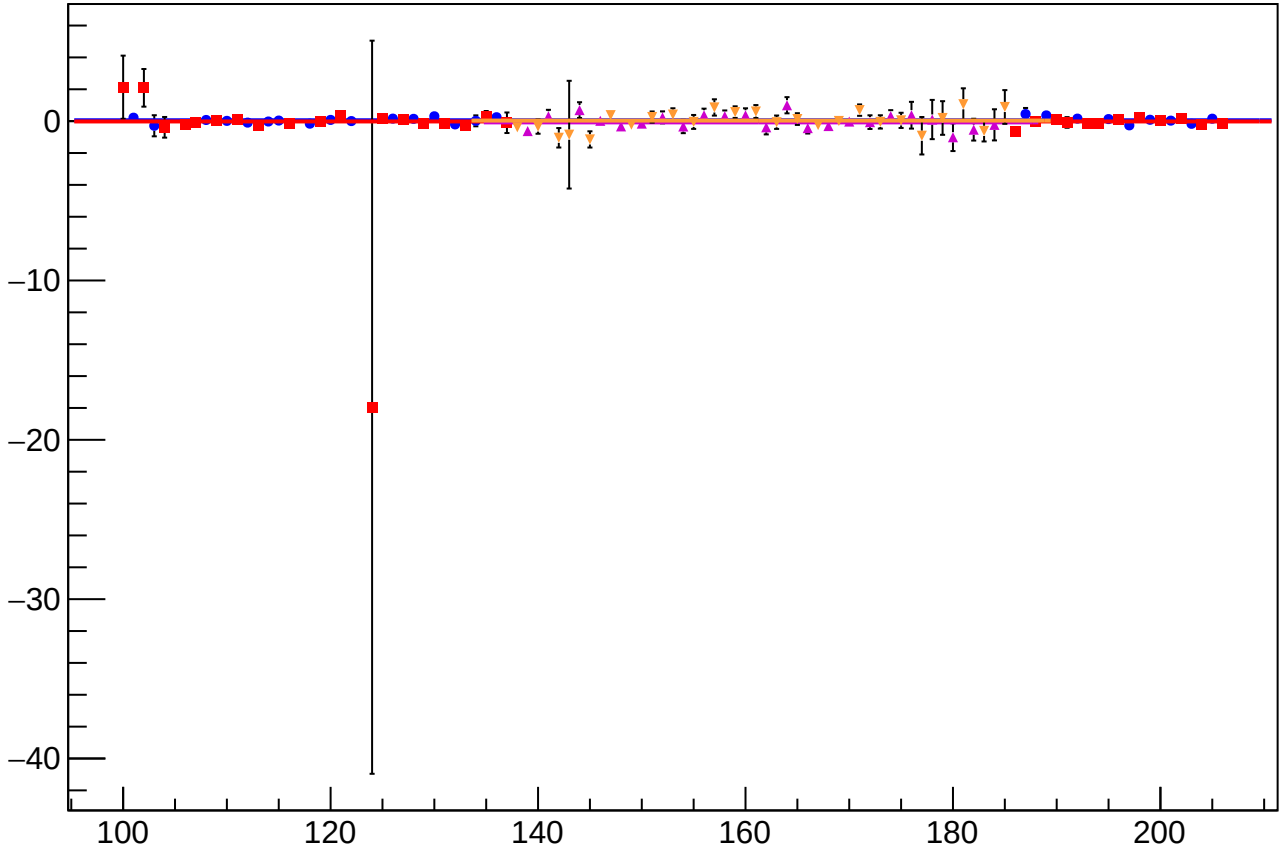
Left In: 0.000+/-0.000 χ^2/NDF:2092071.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 19777917.6/49

All: 0.000+/-0.000 χ^2/NDF: 39254826.2/103

- sign 0.000+/-0.000 χ^2/NDF: 8321509.8/53

asym_atl_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.033 χ^2/NDF: 32.8/30

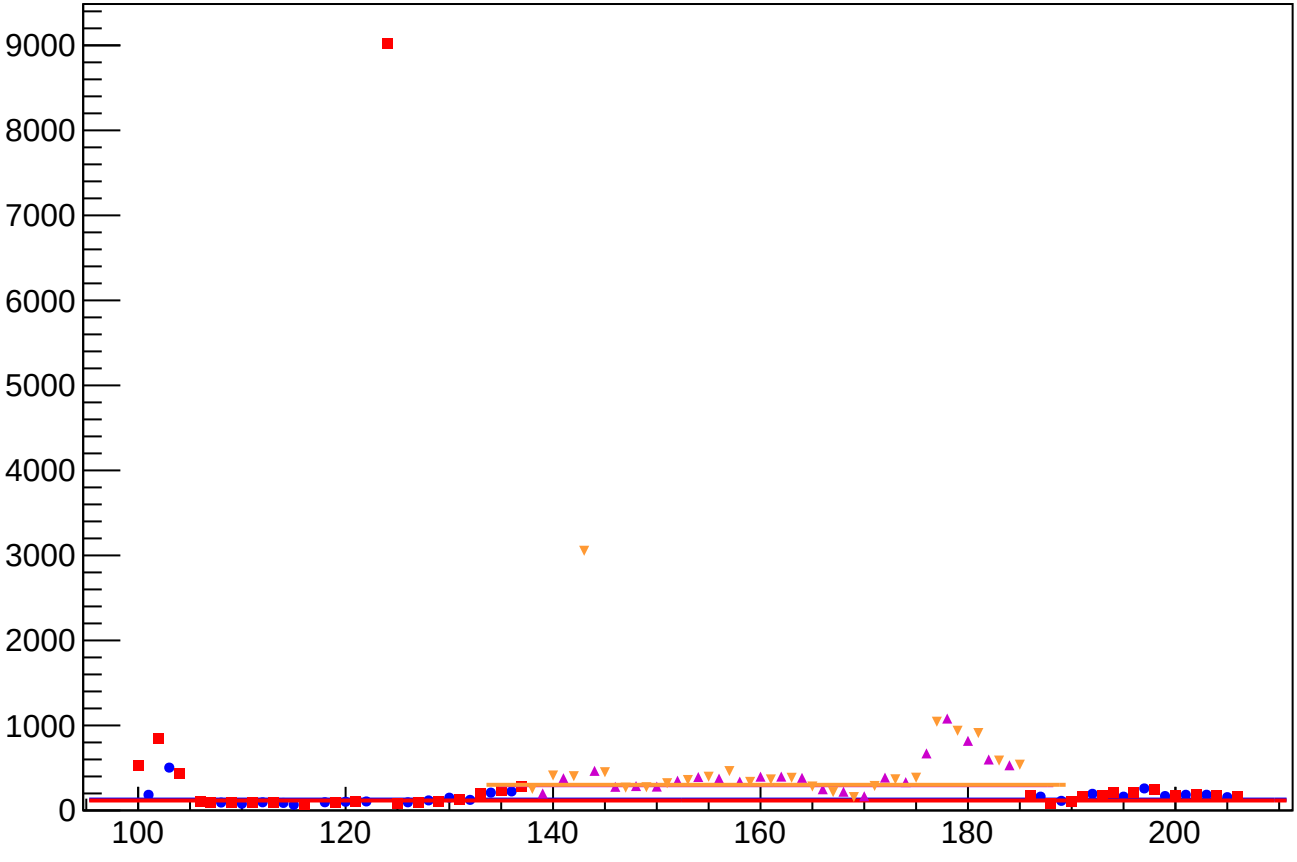
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.052+/-0.034 χ^2/NDF: 46.9/49

All: 0.008+/-0.023 χ^2/NDF: 107.4/103

- sign -0.028+/-0.030 χ^2/NDF: 57.4/53

asym_atl_dd_dit_vs_cor_diff_rms vs Slug



Right In: 127.991+/-0.027 χ^2/NDF: 3438289.6/24

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

Right Out: 117.104+/-0.023 χ^2/NDF: 5408144.3/30

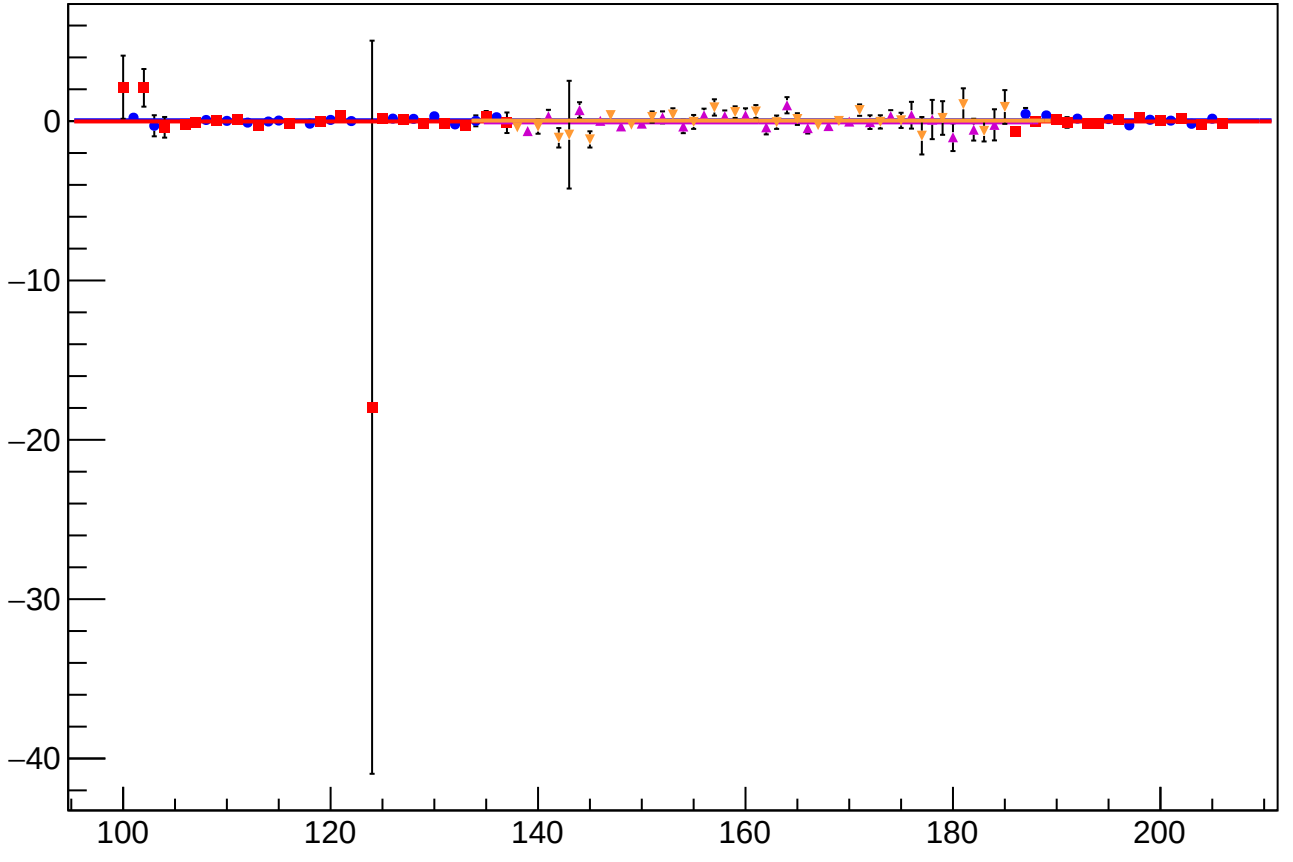
Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 161.357+/-0.024 χ^2/NDF: 18373566.6/49

All: 152.710+/-0.016 χ^2/NDF: 38408935.1/10

- sign 145.756+/-0.021 χ^2/NDF: 19797999.2/53

asym_atl_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

Right Out: -0.019+/-0.033 χ^2/NDF: 32.8/30

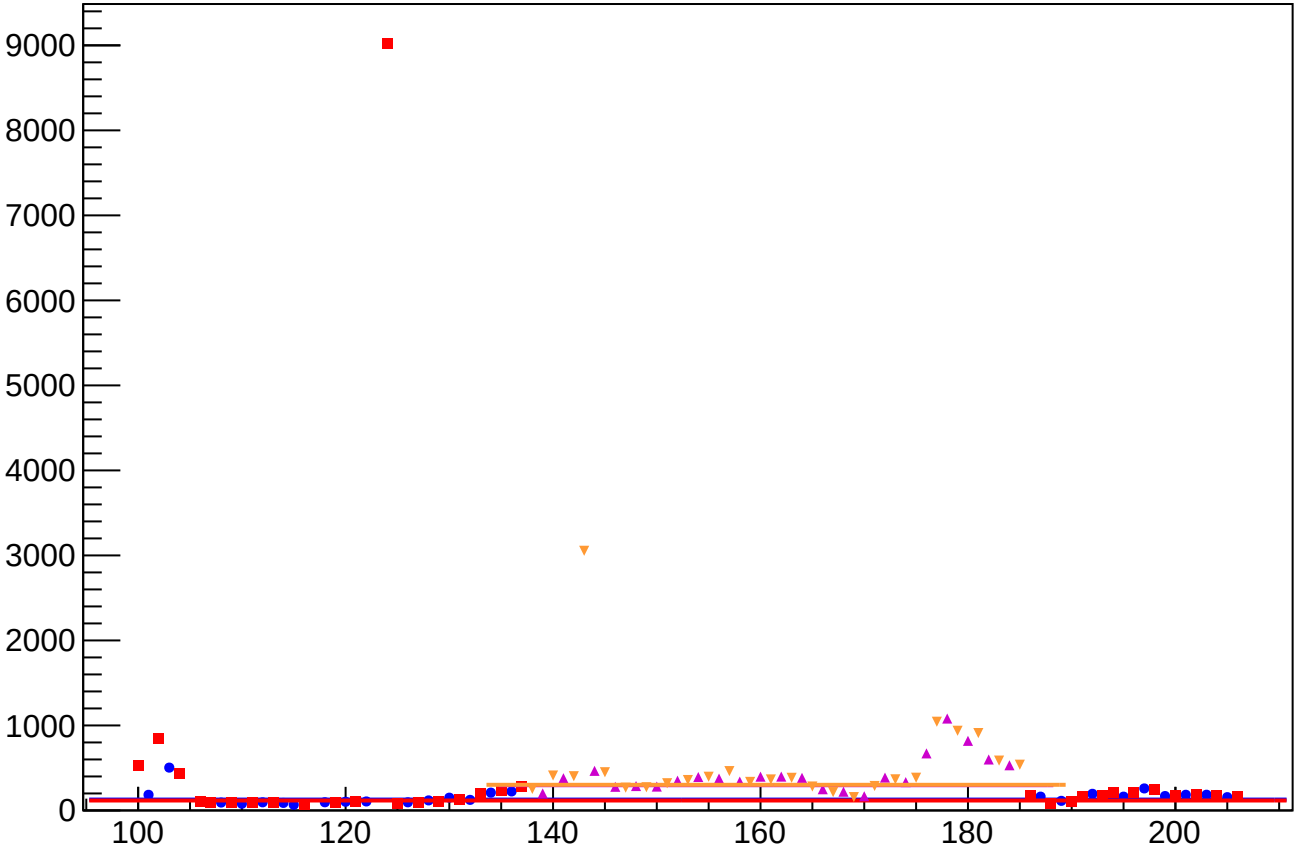
Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.052+/-0.034 χ^2/NDF: 46.9/49

All: 0.008+/-0.023 χ^2/NDF: 107.4/103

- sign -0.028+/-0.030 χ^2/NDF: 57.4/53

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 127.991+/-0.027 χ^2/NDF: 3438289.6/24

Left Out: 301.735+/-0.054 χ^2/NDF:6693517.2/24

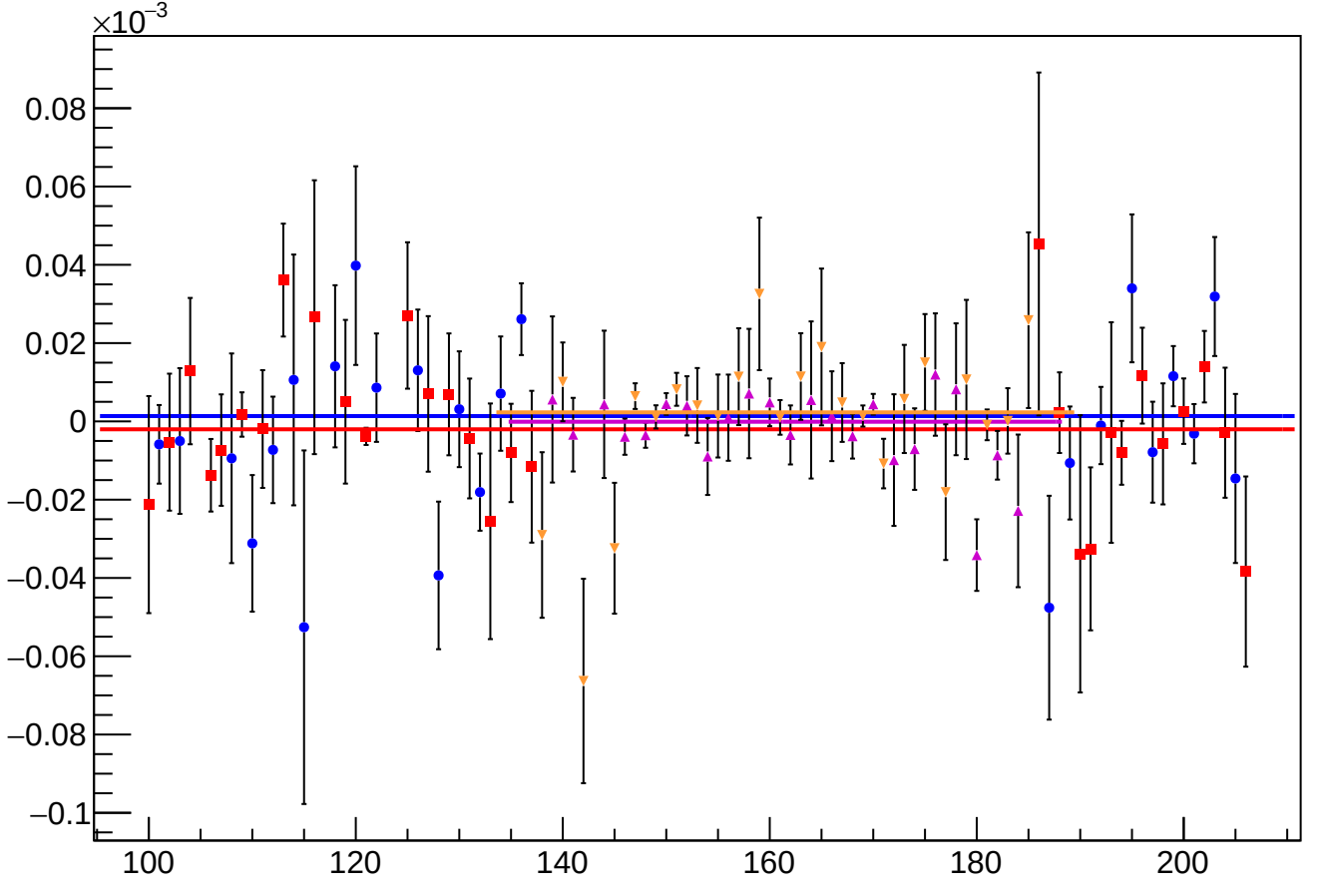
Right Out: 117.104+/-0.023 χ^2/NDF: 5408144.3/30

Left In: 296.875+/-0.054 χ^2/NDF:4917907.0/22

+ sign 161.357+/-0.024 χ^2/NDF: 18373566.6/49

All: 152.710+/-0.016 χ^2/NDF: 38408935.1/10

- sign 145.756+/-0.021 χ^2/NDF: 19797999.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 39.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:31.2/23

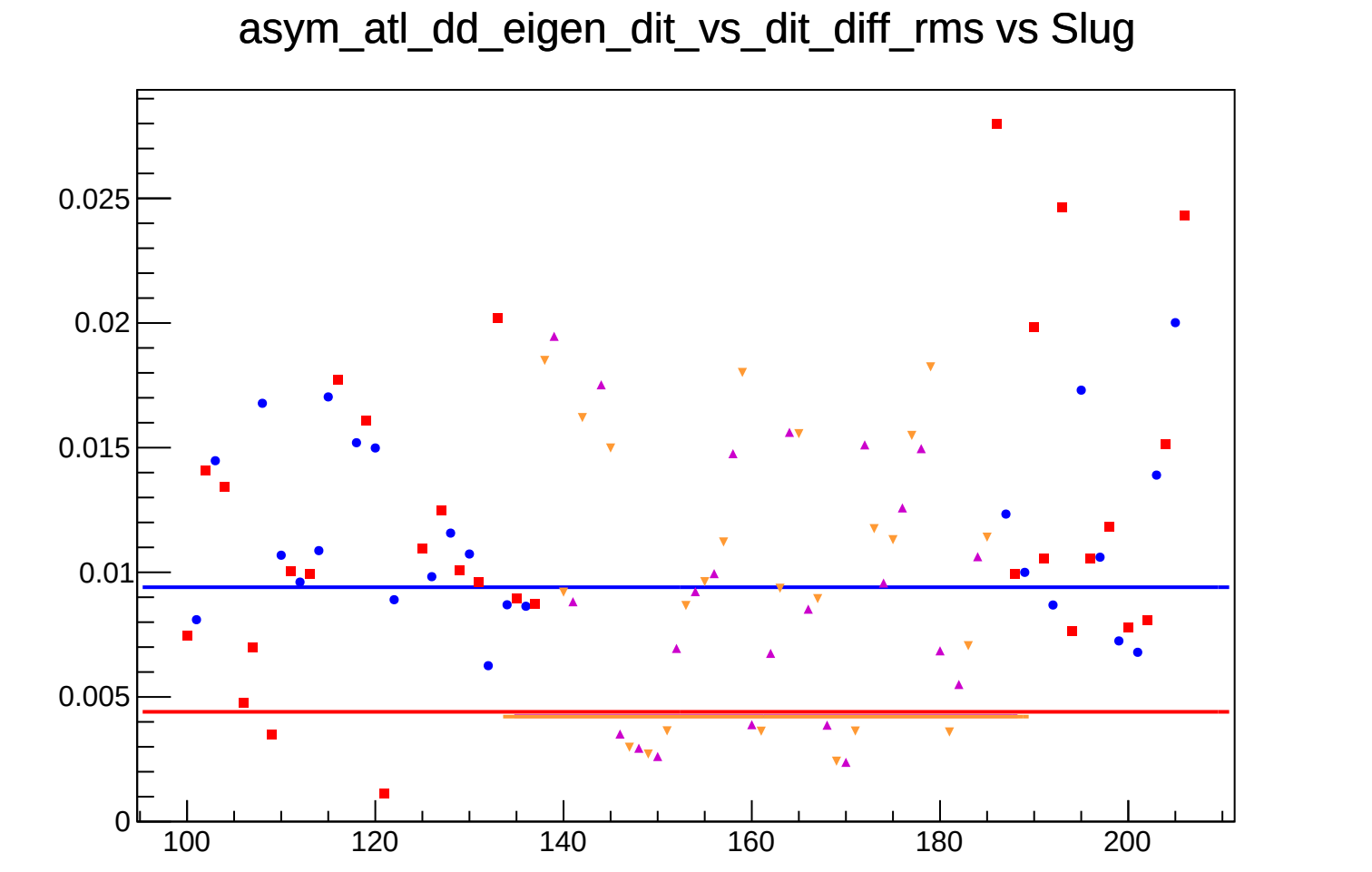
Right Out: -0.000+/-0.000 χ^2/NDF: 27.6/29

Left In: -0.000+/-0.000 χ^2/NDF:29.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.8/48

All: 0.000+/-0.000 χ^2/NDF: 132.2/101

- sign -0.000+/-0.000 χ^2/NDF: 57.6/52



Right In: 0.009+/-0.000 χ^2/NDF: 2385453.9/24

Left Out: 0.004+/-0.000 χ^2/NDF:12078055.5/23

Right Out: 0.004+/-0.000 χ^2/NDF: 16055829.9/29

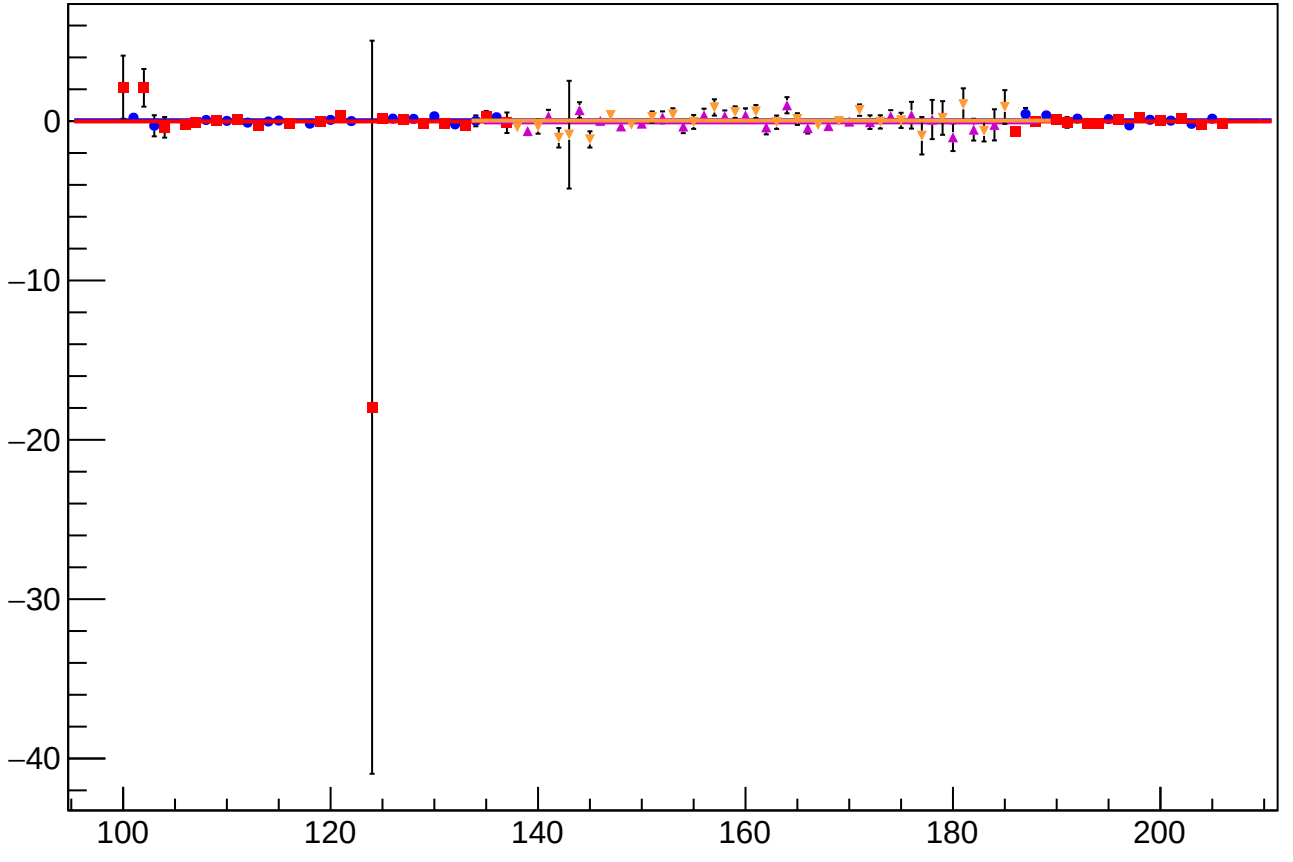
Left In: 0.004+/-0.000 χ^2/NDF:11034220.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 20579901.2/48

All: 0.005+/-0.000 χ^2/NDF: 48290293.5/101

- sign 0.004+/-0.000 χ^2/NDF: 27104093.3/52

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

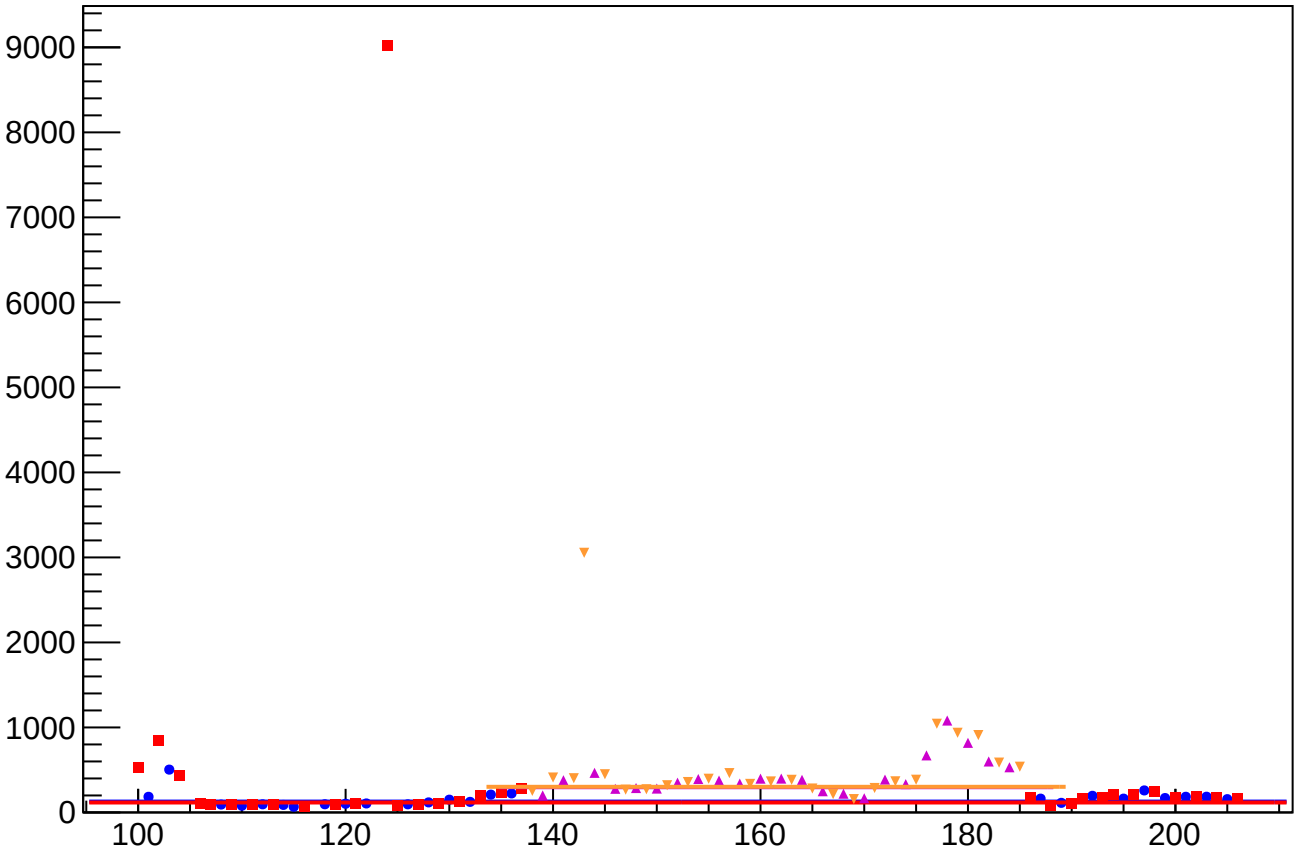
Right Out: -0.019+/-0.033 χ^2/NDF: 32.8/30

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.052+/-0.034 χ^2/NDF: 46.9/49

All: 0.008+/-0.023 χ^2/NDF: 107.4/103

- sign -0.028+/-0.030 χ^2/NDF: 57.4/53



Right In: 127.991+/-0.027 χ^2/NDF: 3438257.1/24

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

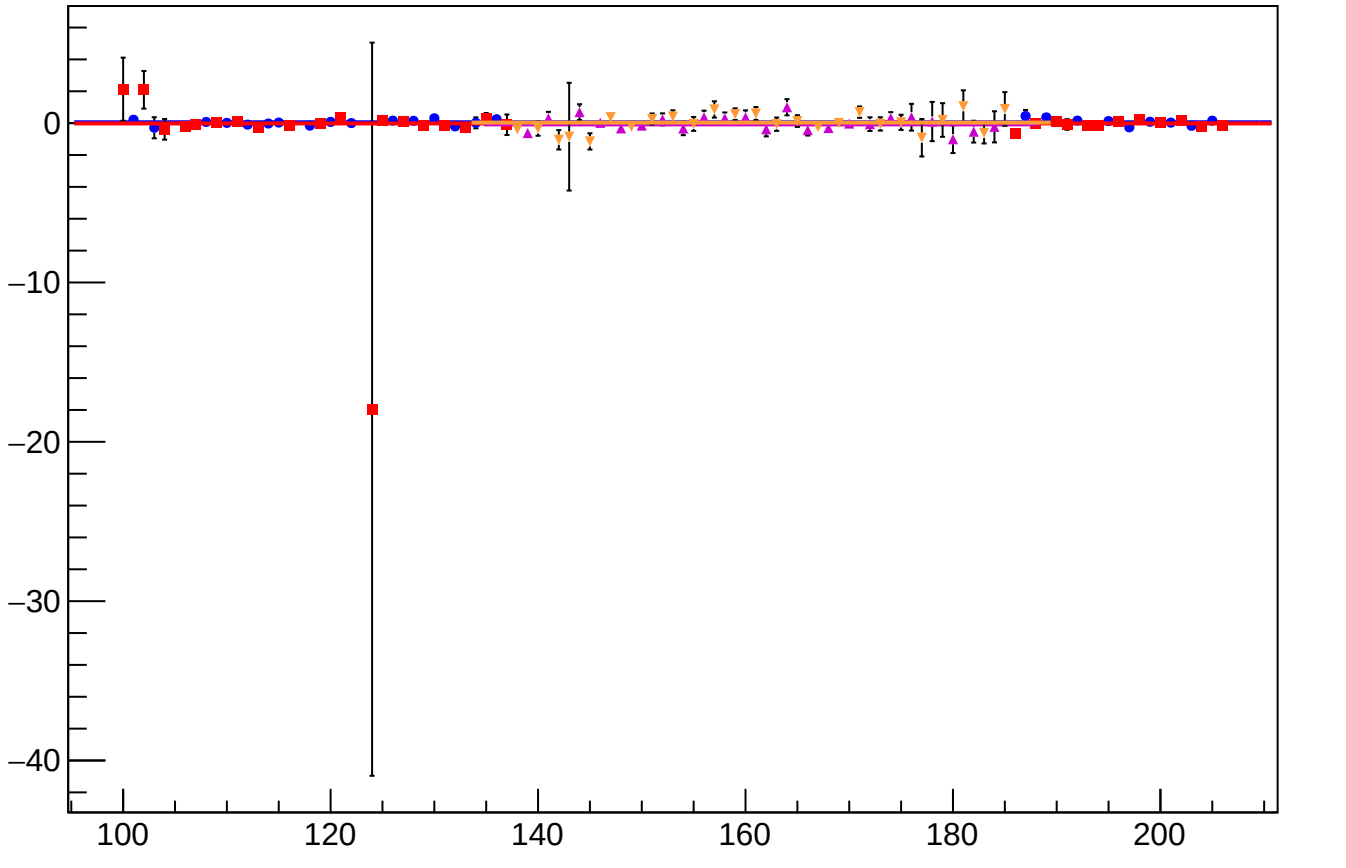
Right Out: 117.105+/-0.023 χ^2/NDF: 5408069.3/30

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 161.357+/-0.024 χ^2/NDF: 18373631.4/49

All: 152.711+/-0.016 χ^2/NDF: 38408928.7/10

- sign 145.757+/-0.021 χ^2/NDF: 19797950.5/53



Right In: 0.056+/-0.038 χ^2/NDF: 17.1/24

Left Out: 0.036+/-0.077 χ^2/NDF:29.7/24

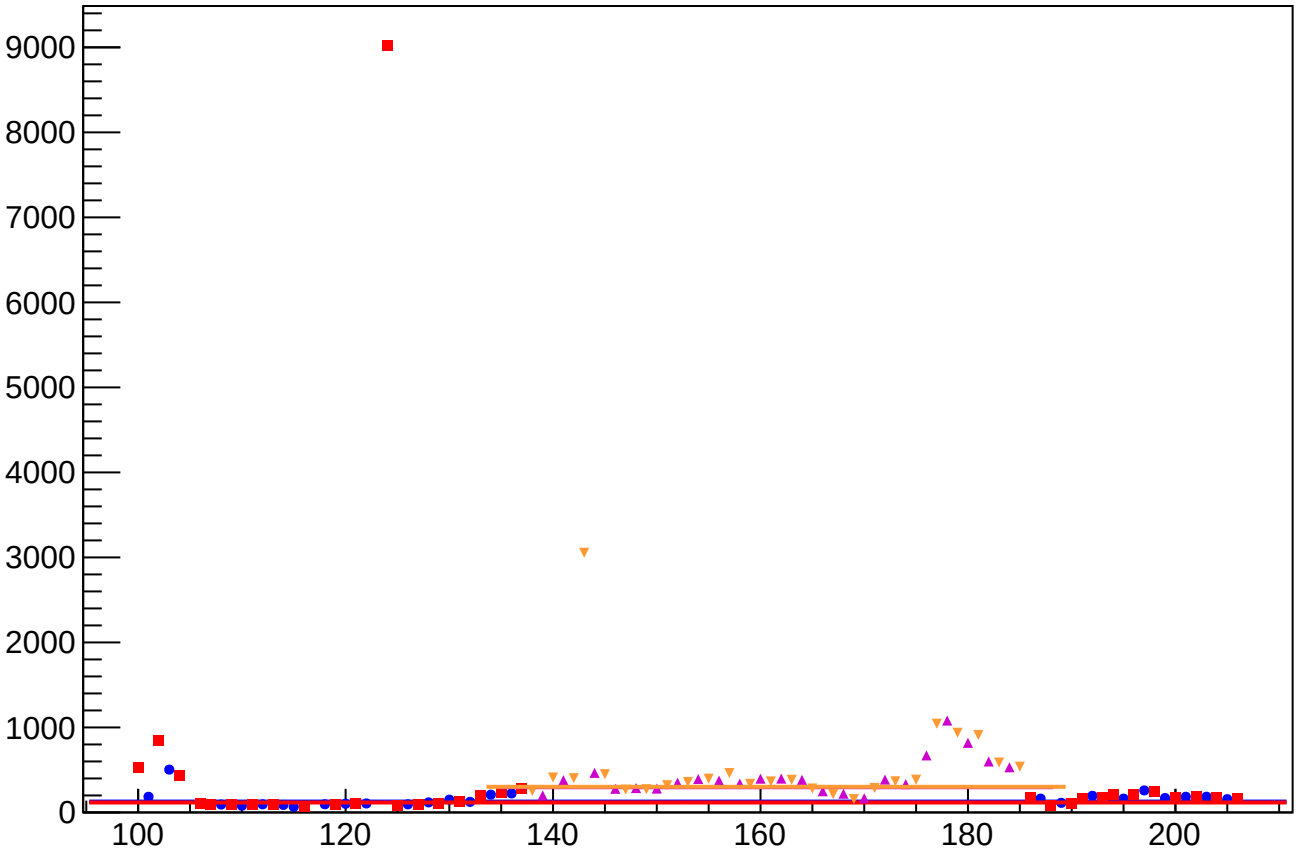
Right Out: -0.019+/-0.033 χ^2/NDF: 32.8/30

Left In: -0.078+/-0.076 χ^2/NDF:24.1/22

+ sign 0.052+/-0.034 χ^2/NDF: 46.9/49

All: 0.008+/-0.023 χ^2/NDF: 107.4/103

- sign -0.028+/-0.030 χ^2/NDF: 57.4/53



Right In: 127.991+/-0.027 χ^2/NDF: 3438257.1/24

Left Out: 301.737+/-0.054 χ^2/NDF:6693577.7/24

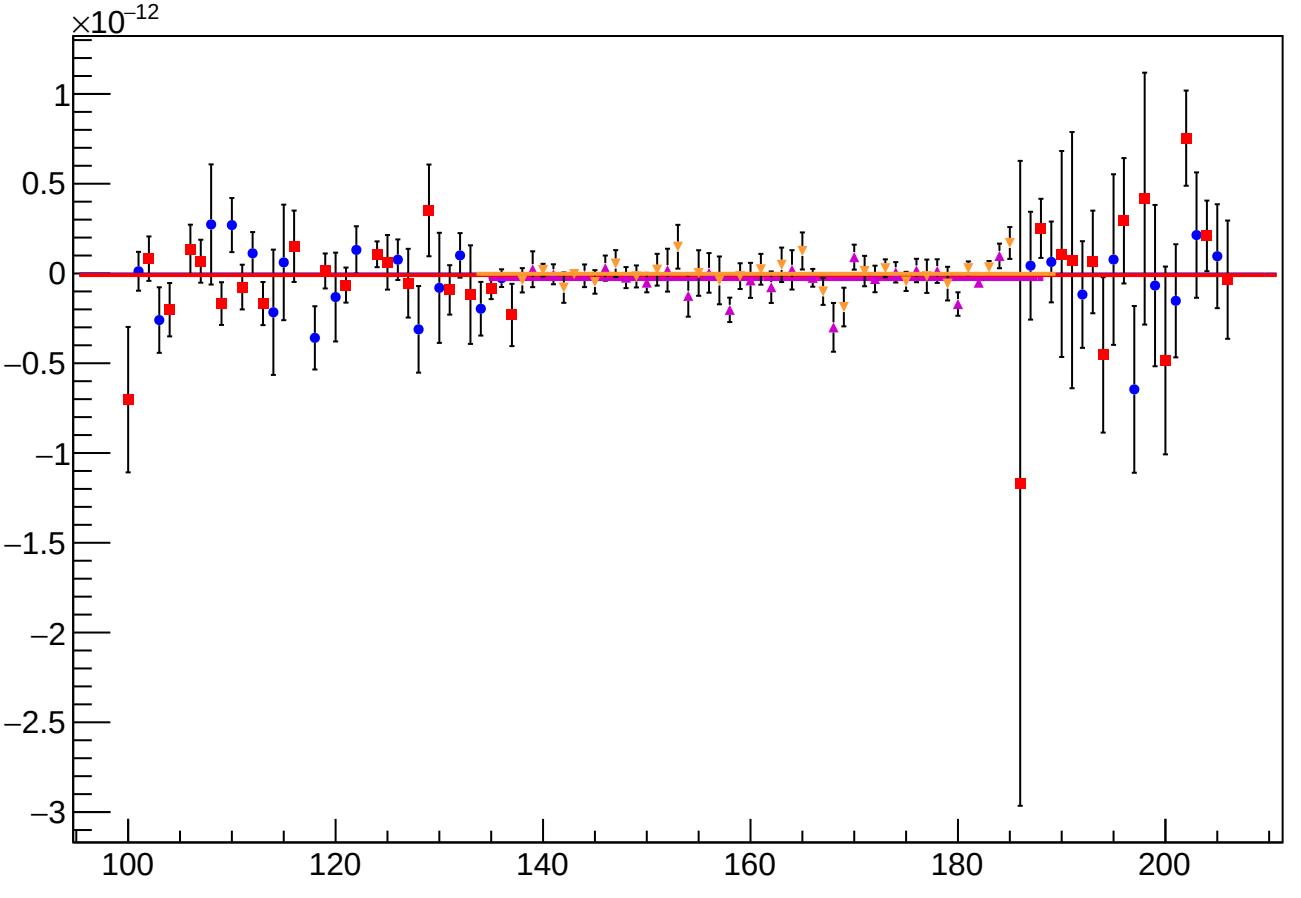
Right Out: 117.105+/-0.023 χ^2/NDF: 5408069.3/30

Left In: 296.878+/-0.054 χ^2/NDF:4917864.1/22

+ sign 161.357+/-0.024 χ^2/NDF: 18373631.4/49

All: 152.711+/-0.016 χ^2/NDF: 38408928.7/10

- sign 145.757+/-0.021 χ^2/NDF: 19797950.5/53



Right In: -0.000+/-0.000 χ^2/NDF: 20.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:17.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/30

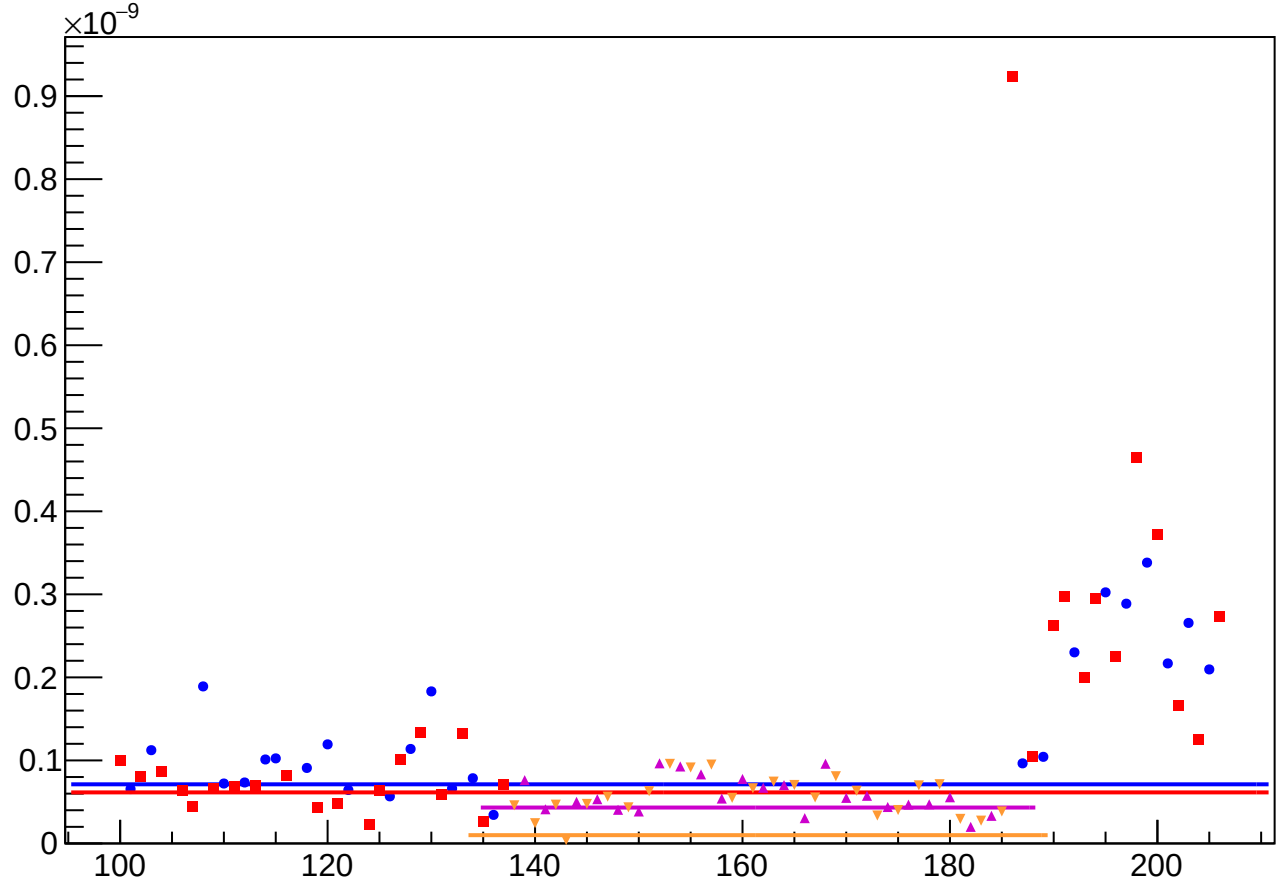
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.2/49

All: -0.000+/-0.000 χ^2/NDF: 104.5/103

- sign -0.000+/-0.000 χ^2/NDF: 62.6/53

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5732714.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:18523402.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7238383.6/30

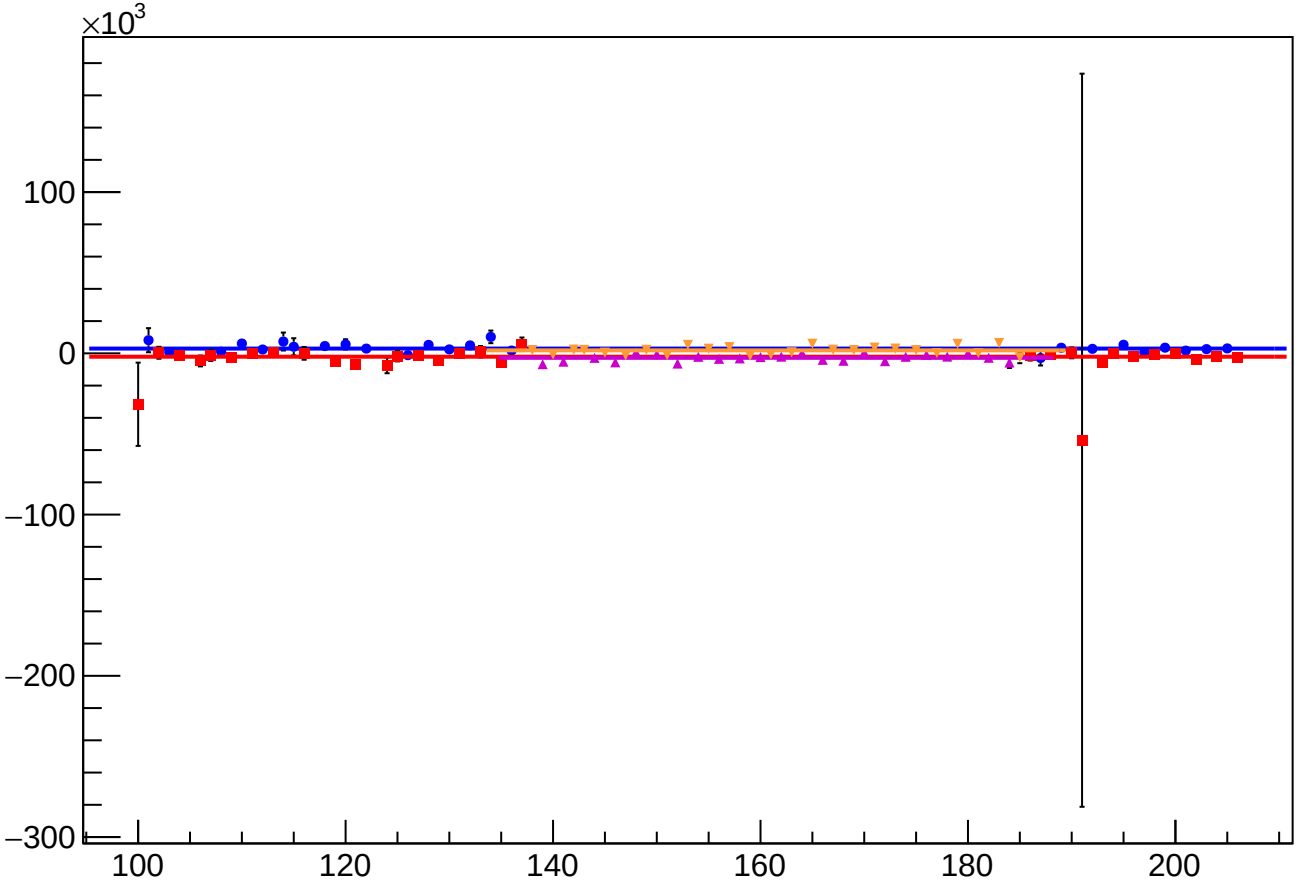
Left In: 0.000+/-0.000 χ^2/NDF:4049081.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 32114746.8/49

All: 0.000+/-0.000 χ^2/NDF: 59238096.5/103

- sign 0.000+/-0.000 χ^2/NDF: 12066486.5/53

reg_asym_atr_avg_mean vs Slug



Right In: 2958.877+/-525.231 χ^2/NDF: 16.3/24

Left Out: 1851.999+/-420.006 χ^2/NDF:31.5/24

Right Out: -2087.840+/-487.090 χ^2/NDF: 22.6/30

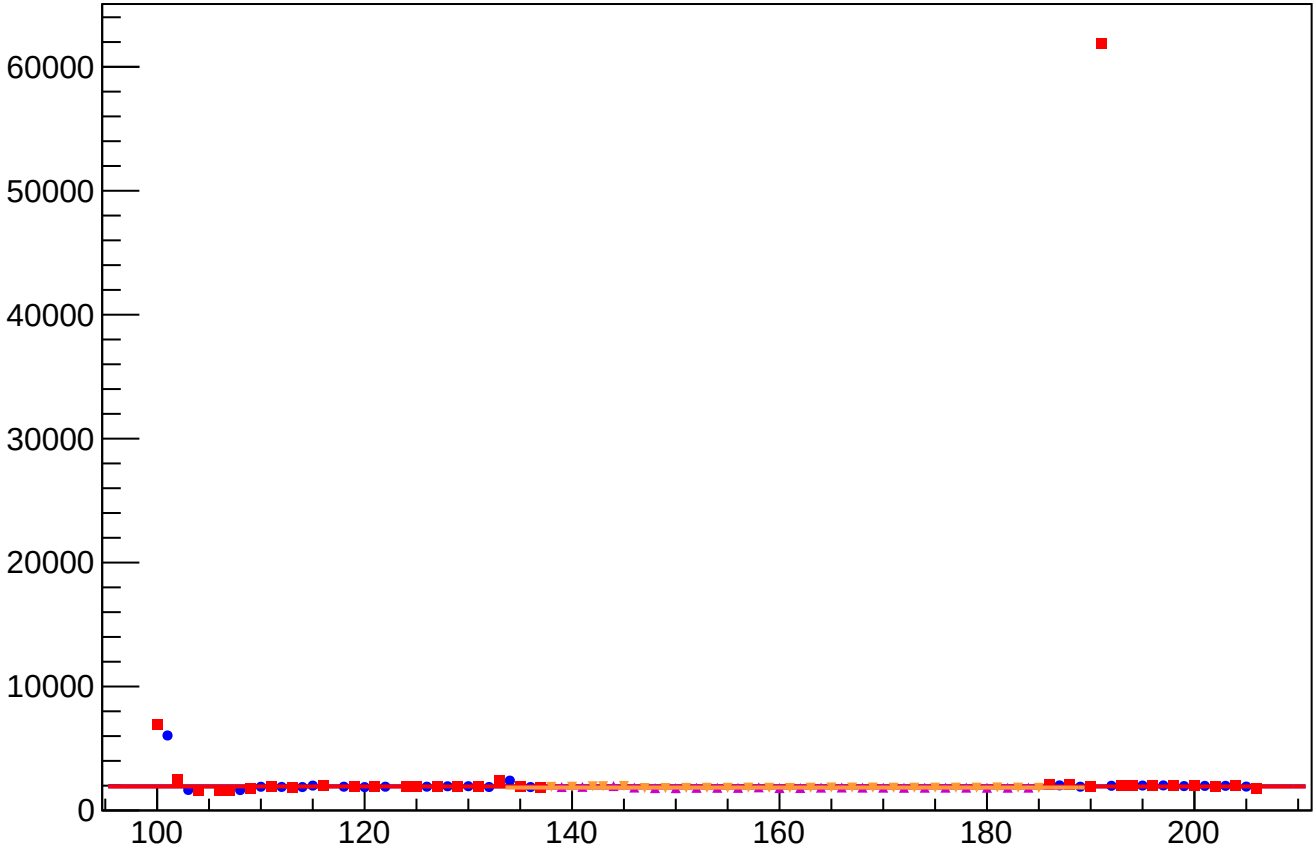
Left In: -2775.769+/-430.870 χ^2/NDF:25.4/22

+ sign 2283.728+/-328.024 χ^2/NDF: 50.5/49

All: -133.759+/-230.052 χ^2/NDF: 206.6/103

- sign -2473.779+/-322.726 χ^2/NDF: 49.2/53

reg_asym_atr_avg_rms vs Slug



Right In: 1947.789+/-0.371 χ^2/NDF: 707182.7/24

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1936.537+/-0.344 χ^2/NDF: 415990.6/30

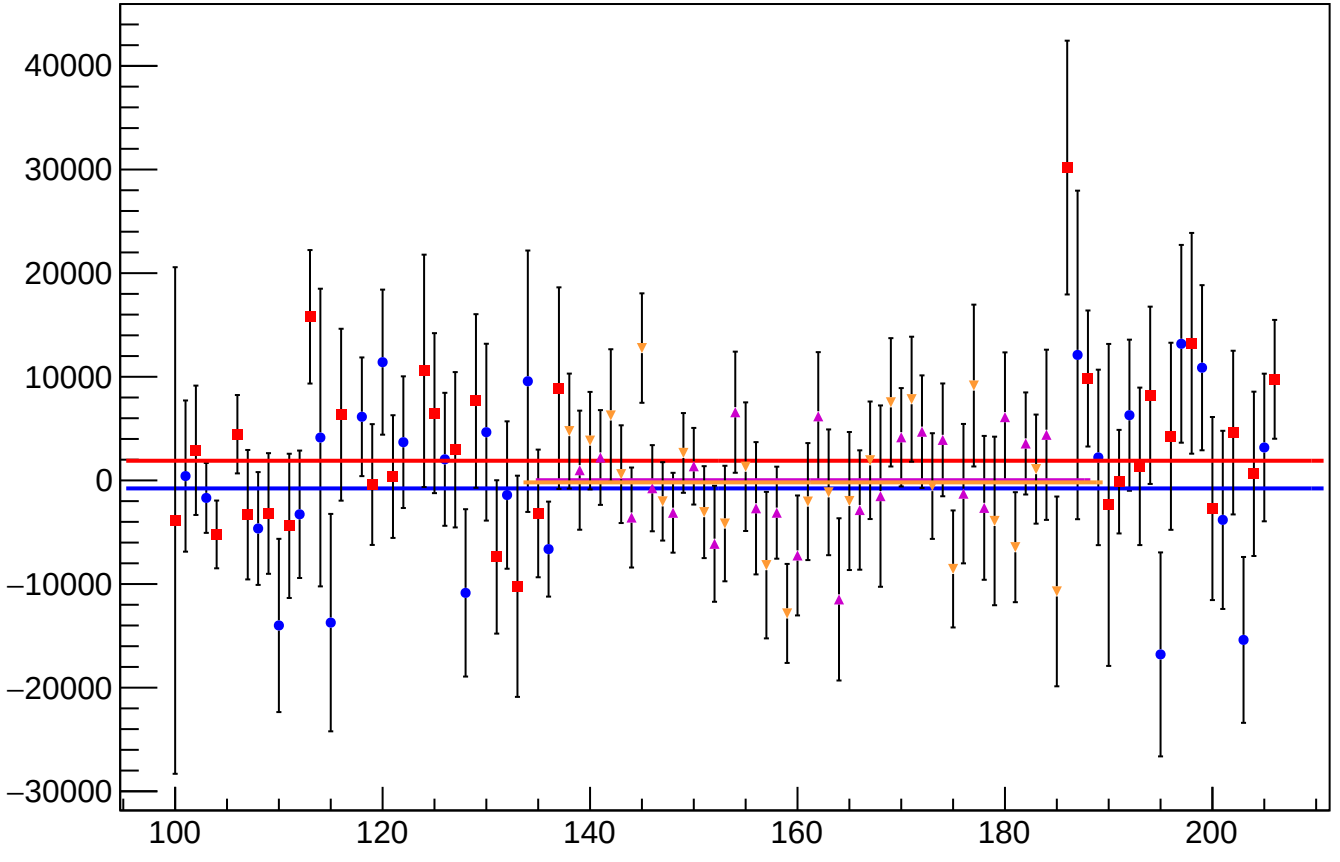
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1887.240+/-0.232 χ^2/NDF: 771645.0/49

All: 1886.249+/-0.163 χ^2/NDF: 1241343.1/10

- sign 1885.291+/-0.228 χ^2/NDF: 469662.1/53

asym_atr_avg_reg_correction_mean vs Slug



Right In: -772.953+/-1386.096 χ^2/NDF: 26.8/24

Left Out: -189.458+/-1088.618 χ^2/NDF:28.9/24

Right Out: 1897.545+/-1208.008 χ^2/NDF: 29.3/30

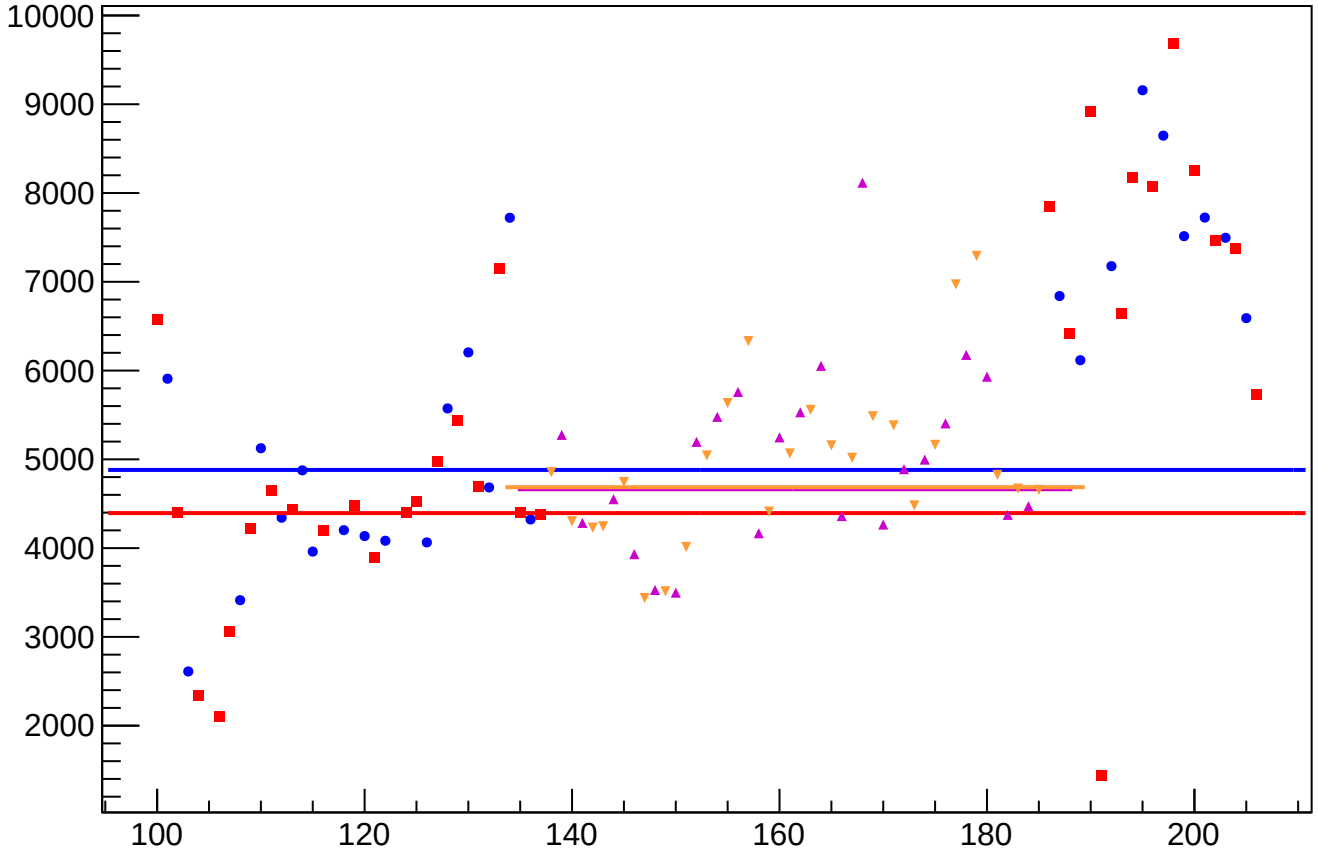
Left In: 19.391+/-1112.574 χ^2/NDF:13.7/22

+ sign -412.065+/-856.138 χ^2/NDF: 55.8/49

All: 263.805+/-591.576 χ^2/NDF: 101.4/103

- sign 881.359+/-818.370 χ^2/NDF: 44.3/53

asym_atr_avg_reg_correction_rms vs Slug



Right In: 4880.813+/-0.980 χ^2/NDF: 3159994.7/24

Left Out: 4686.353+/-0.770 χ^2/NDF:1185063.7/24

Right Out: 4394.564+/-0.854 χ^2/NDF: 5517108.2/30

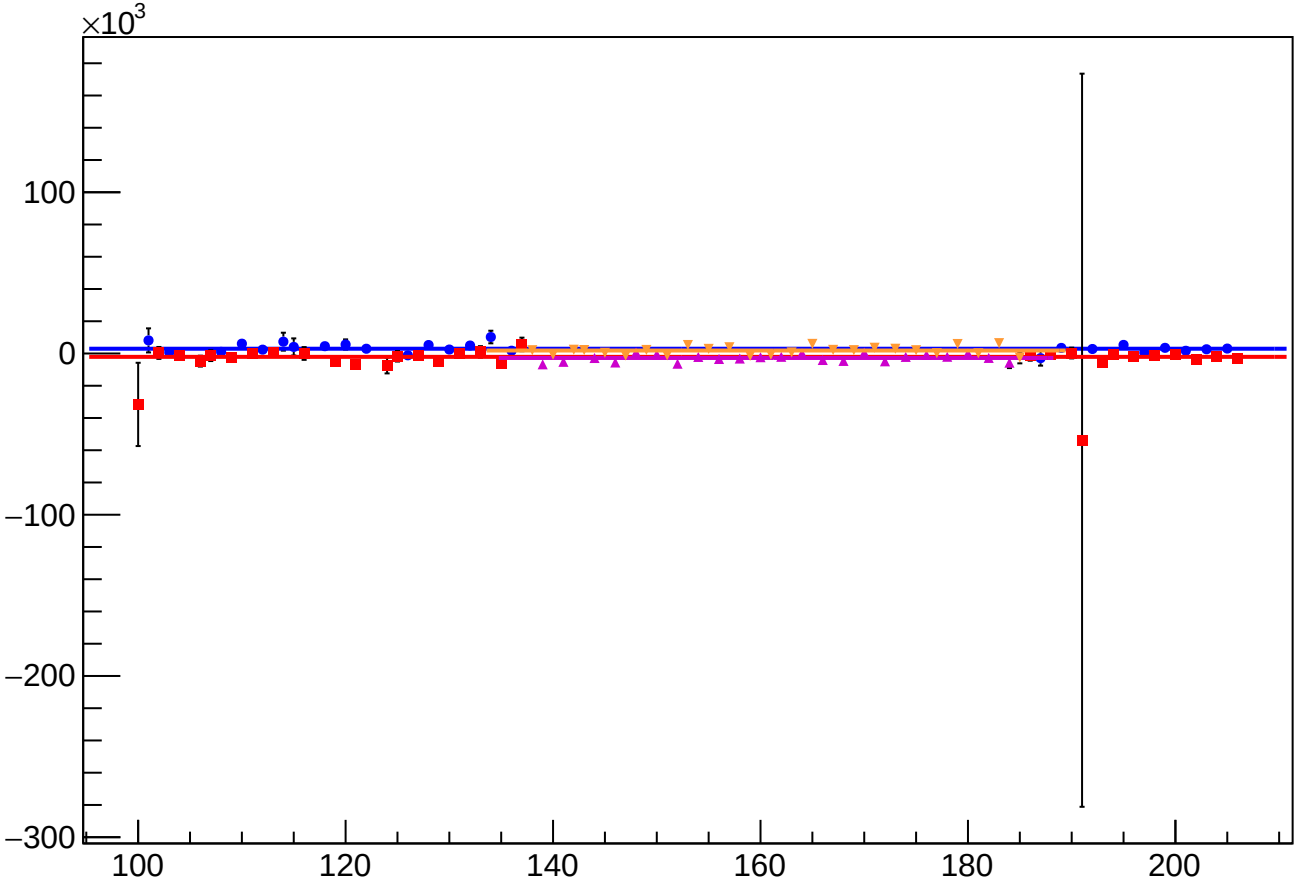
Left In: 4663.272+/-0.787 χ^2/NDF:1286726.4/22

+ sign 4760.541+/-0.605 χ^2/NDF: 4369404.9/49

All: 4645.272+/-0.418 χ^2/NDF: 11296162.8/1

- sign 4539.949+/-0.579 χ^2/NDF: 6857376.7/53

cor_asym_atr_avg_mean vs Slug



Right In: 2958.581+/-525.231 χ^2/NDF: 16.3/24

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2088.350+/-487.091 χ^2/NDF: 22.6/30

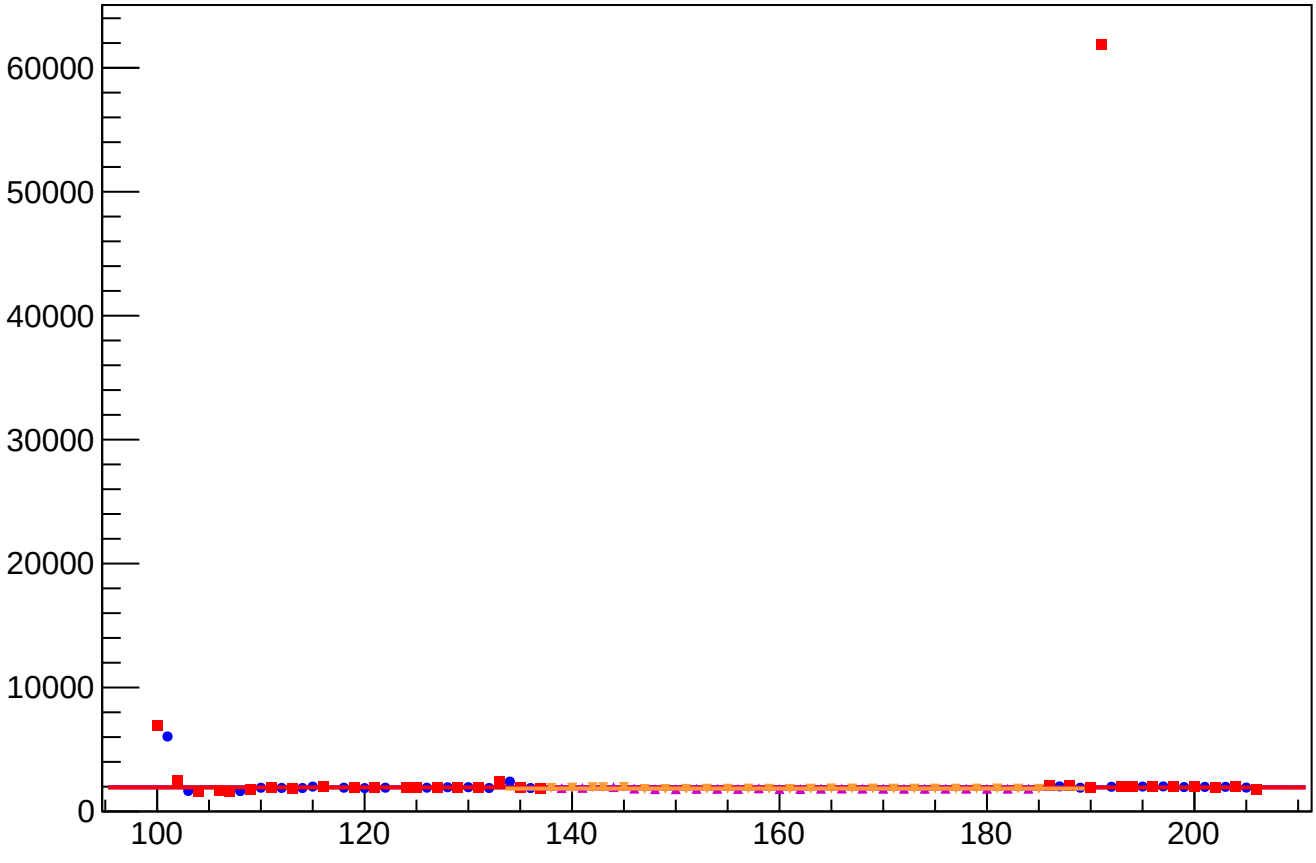
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2283.545+/-328.024 χ^2/NDF: 50.5/49

All: -133.954+/-230.052 χ^2/NDF: 206.6/103

- sign -2473.990+/-322.726 χ^2/NDF: 49.2/53

cor_asym_atr_avg_rms vs Slug



Right In: 1947.790+/-0.371 χ^2/NDF: 707181.7/24

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

Right Out: 1938.492+/-0.344 χ^2/NDF: 408068.1/30

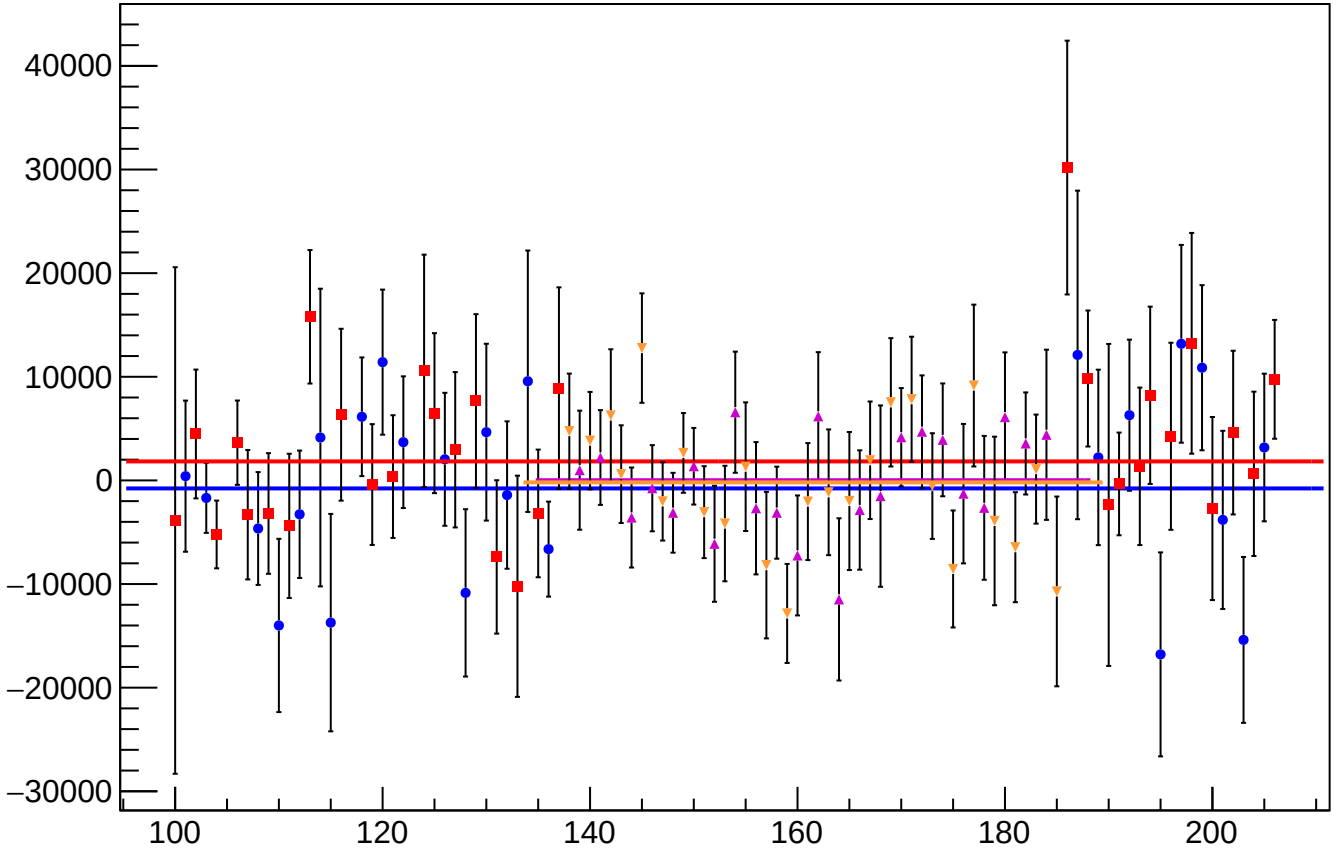
Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1887.240+/-0.232 χ^2/NDF: 771644.2/49

All: 1886.666+/-0.163 χ^2/NDF: 1235067.8/10

- sign 1886.110+/-0.228 χ^2/NDF: 463411.5/53

asym_atr_avg_cor_correction_mean vs Slug



Right In: -773.191+/-1386.098 χ^2/NDF: 26.8/24

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1833.465+/-1215.721 χ^2/NDF: 29.2/30

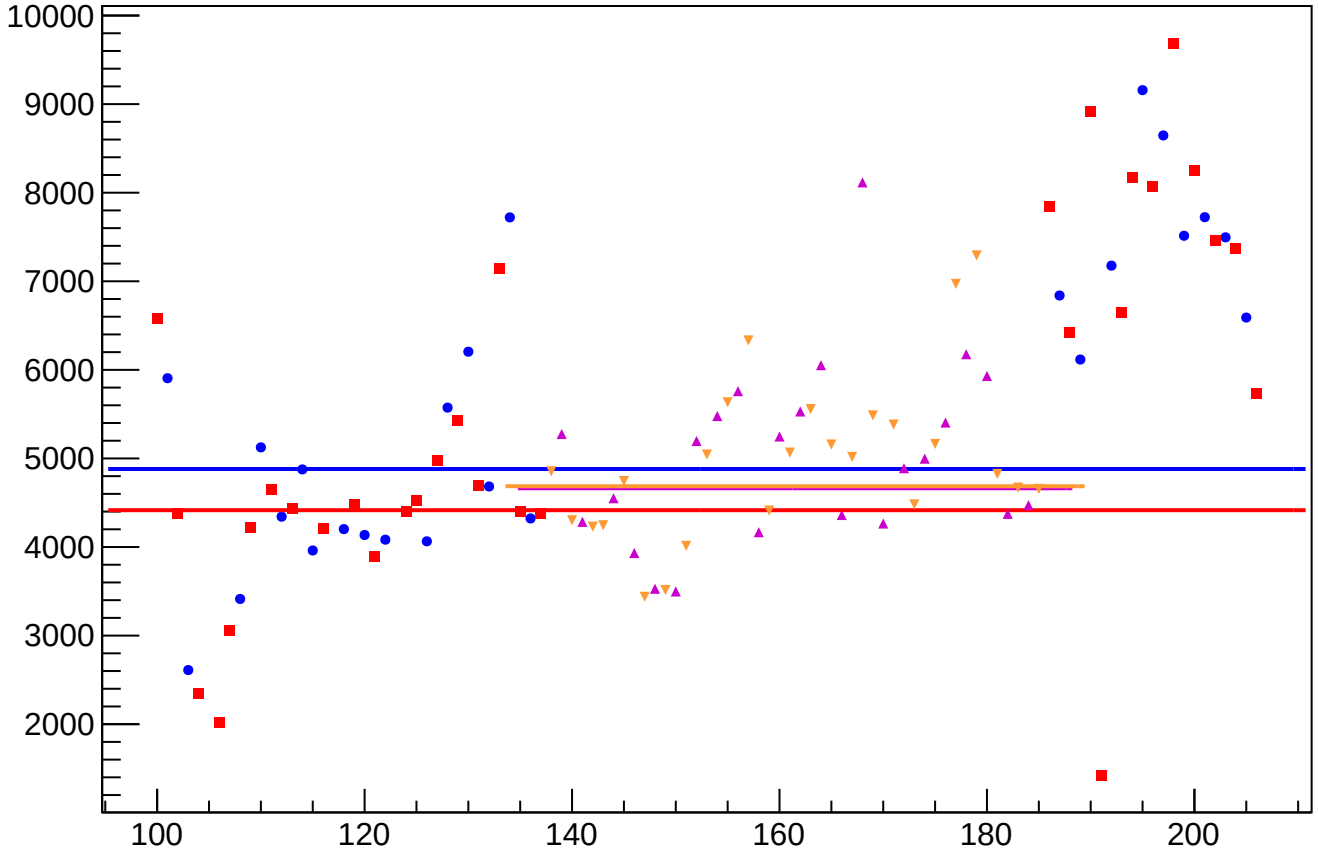
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -412.173+/-856.138 χ^2/NDF: 55.8/49

All: 243.574+/-592.476 χ^2/NDF: 101.1/103

- sign 846.241+/-820.756 χ^2/NDF: 44.2/53

asym_atr_avg_cor_correction_rms vs Slug



Right In: 4880.885+/-0.980 χ^2/NDF: 3159382.3/24

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

Right Out: 4415.638+/-0.860 χ^2/NDF: 5477333.2/30

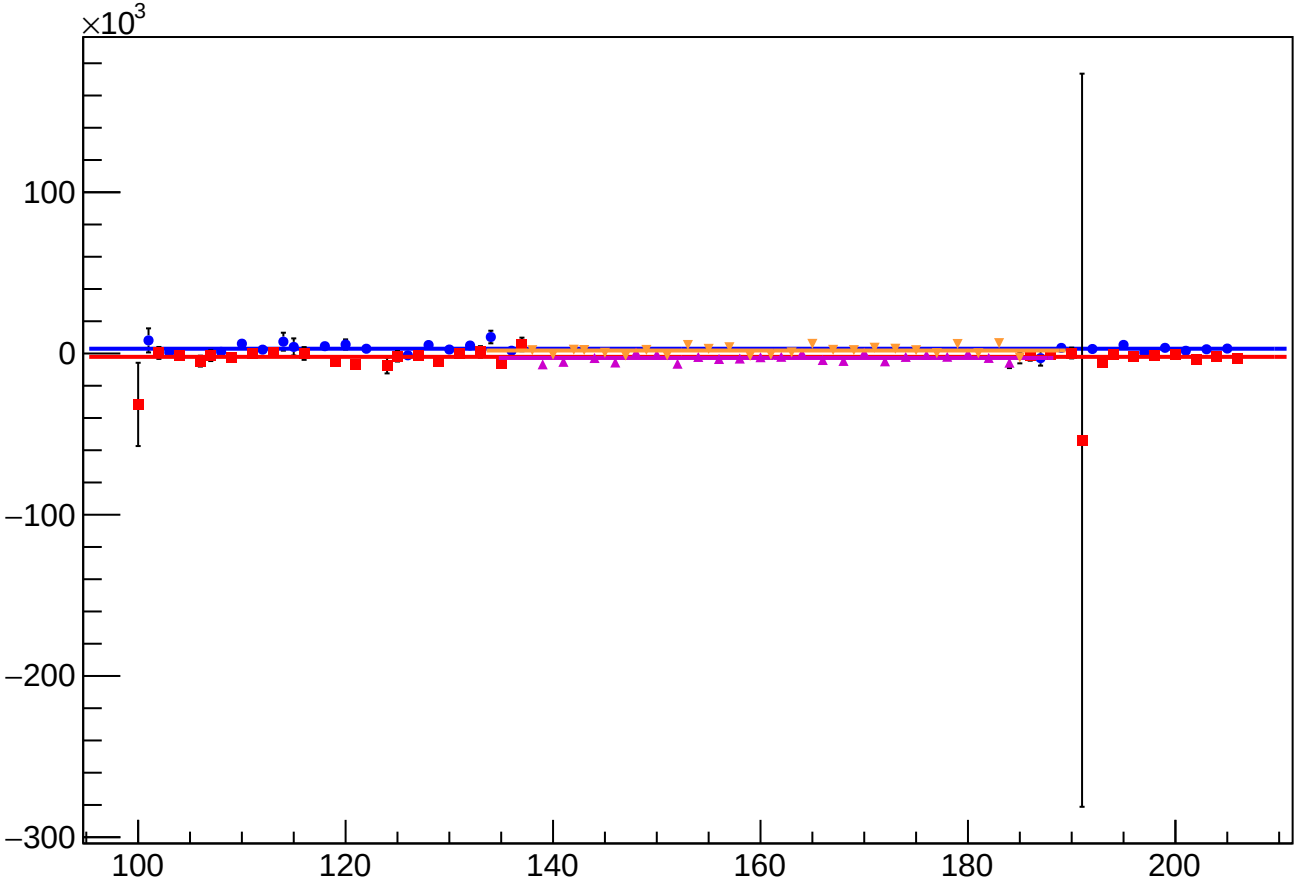
Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4760.564+/-0.605 χ^2/NDF: 4368837.9/49

All: 4651.052+/-0.419 χ^2/NDF: 11240853.5/1

- sign 4550.404+/-0.580 χ^2/NDF: 6809216.6/53

eigen_cor_asym_atr_avg_mean vs Slug



Right In: 2958.581+/-525.231 χ^2/NDF: 16.3/24

Left Out: 1851.888+/-420.006 χ^2/NDF:31.5/24

Right Out: -2088.350+/-487.091 χ^2/NDF: 22.6/30

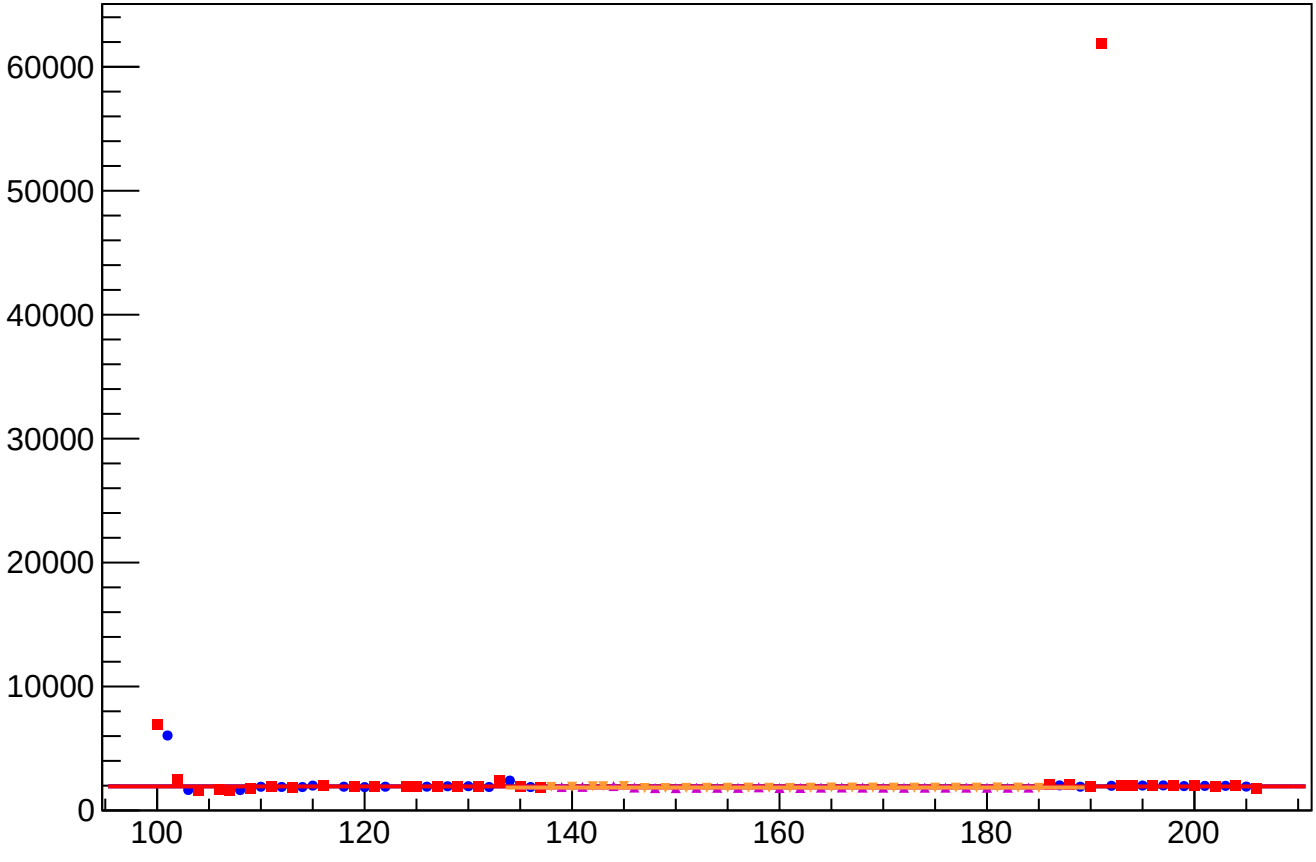
Left In: -2775.745+/-430.870 χ^2/NDF:25.4/22

+ sign 2283.545+/-328.024 χ^2/NDF: 50.5/49

All: -133.954+/-230.052 χ^2/NDF: 206.6/103

- sign -2473.990+/-322.726 χ^2/NDF: 49.2/53

eigen_cor_asym_atr_avg_rms vs Slug



Right In: 1947.790+/-0.371 χ^2/NDF: 707181.7/24

Left Out: 1848.522+/-0.297 χ^2/NDF:20886.6/24

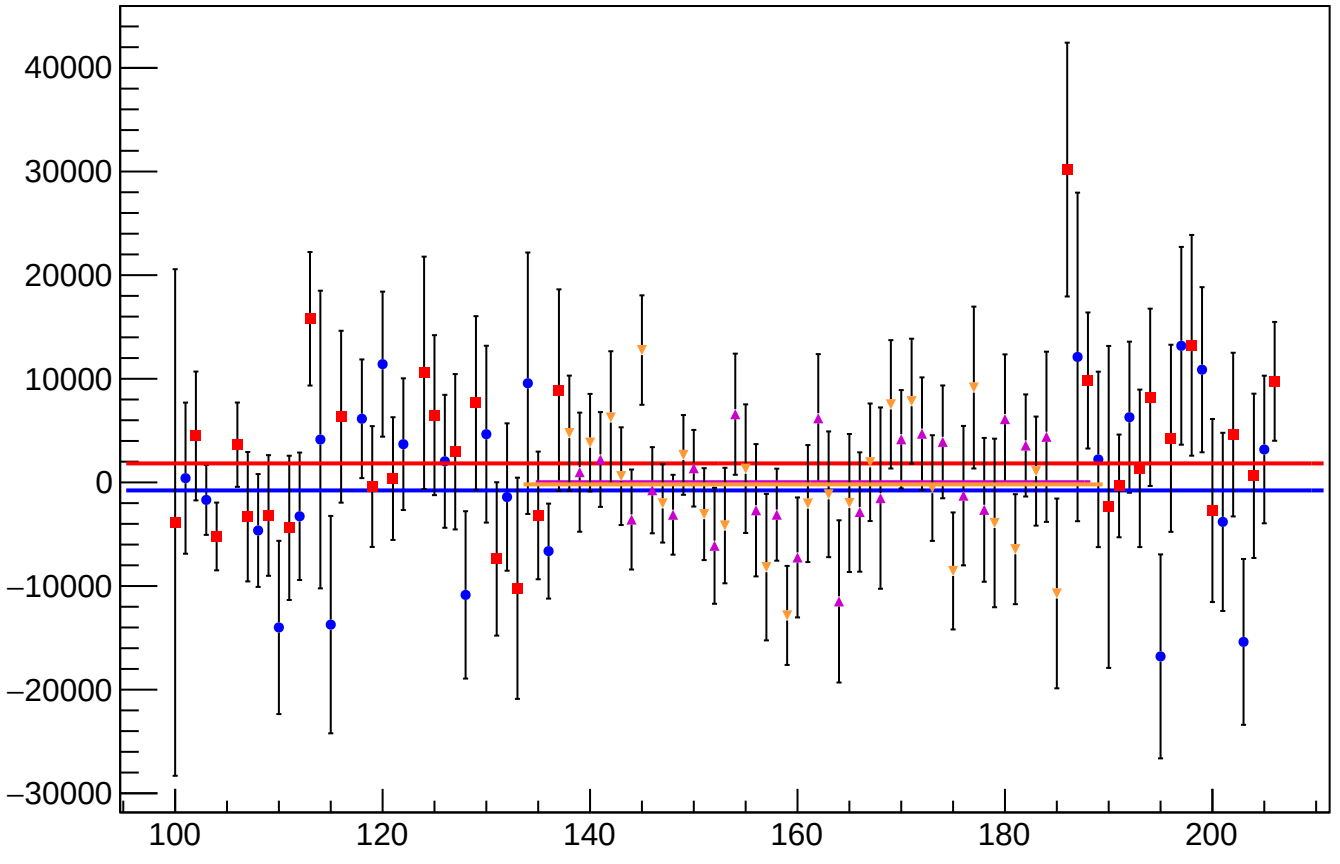
Right Out: 1938.492+/-0.344 χ^2/NDF: 408068.1/30

Left In: 1845.061+/-0.305 χ^2/NDF:14026.0/22

+ sign 1887.240+/-0.232 χ^2/NDF: 771644.2/49

All: 1886.666+/-0.163 χ^2/NDF: 1235067.8/10

- sign 1886.110+/-0.228 χ^2/NDF: 463411.5/53



Right In: -773.191+/-1386.098 χ^2/NDF: 26.8/24

Left Out: -189.487+/-1088.617 χ^2/NDF:28.9/24

Right Out: 1833.465+/-1215.721 χ^2/NDF: 29.2/30

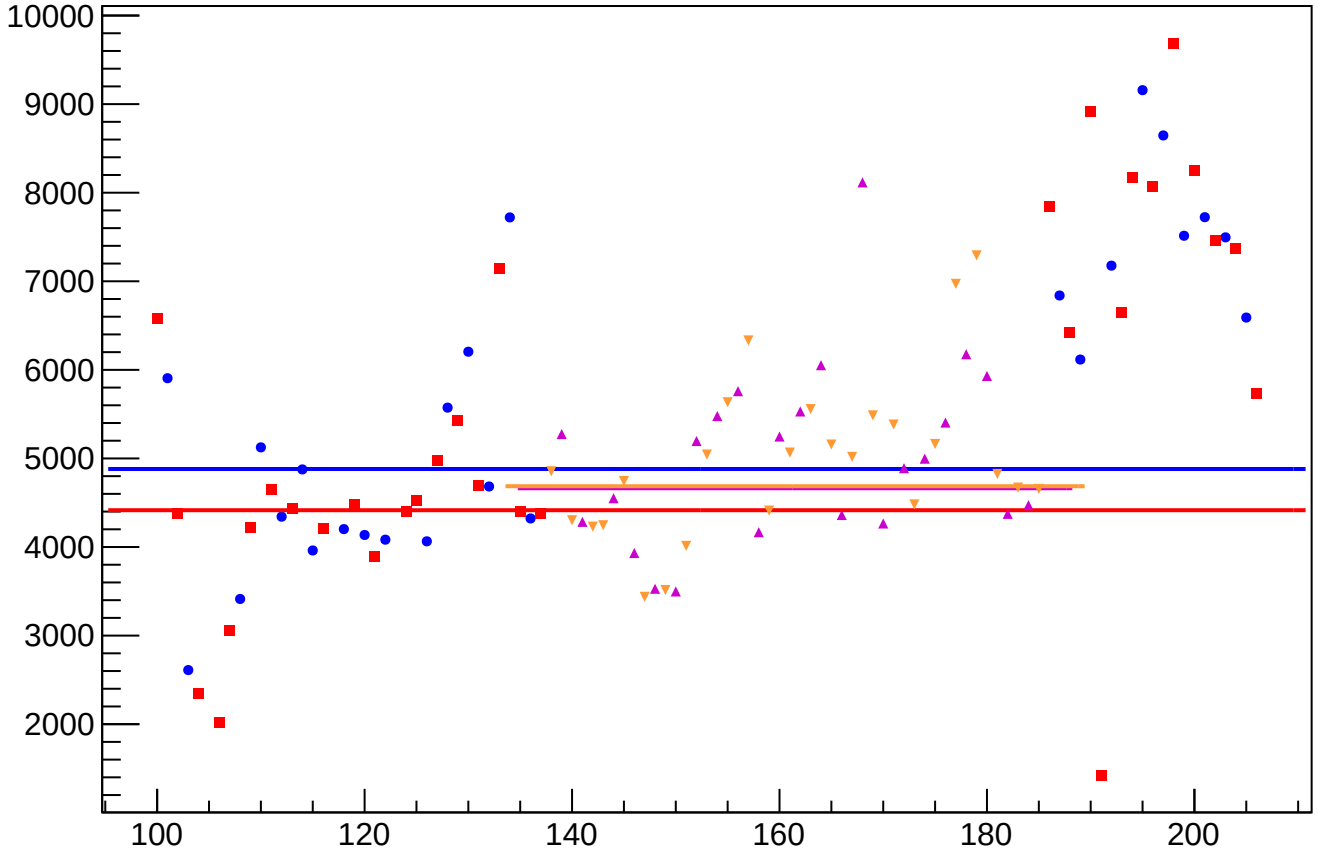
Left In: 19.431+/-1112.574 χ^2/NDF:13.7/22

+ sign -412.173+/-856.138 χ^2/NDF: 55.8/49

All: 243.574+/-592.476 χ^2/NDF: 101.1/103

- sign 846.241+/-820.756 χ^2/NDF: 44.2/53

asym_atr_avg_eigen_cor_correction_rms vs Slug



Right In: 4880.885+/-0.980 χ^2/NDF: 3159382.3/24

Left Out: 4686.346+/-0.770 χ^2/NDF:1185089.0/24

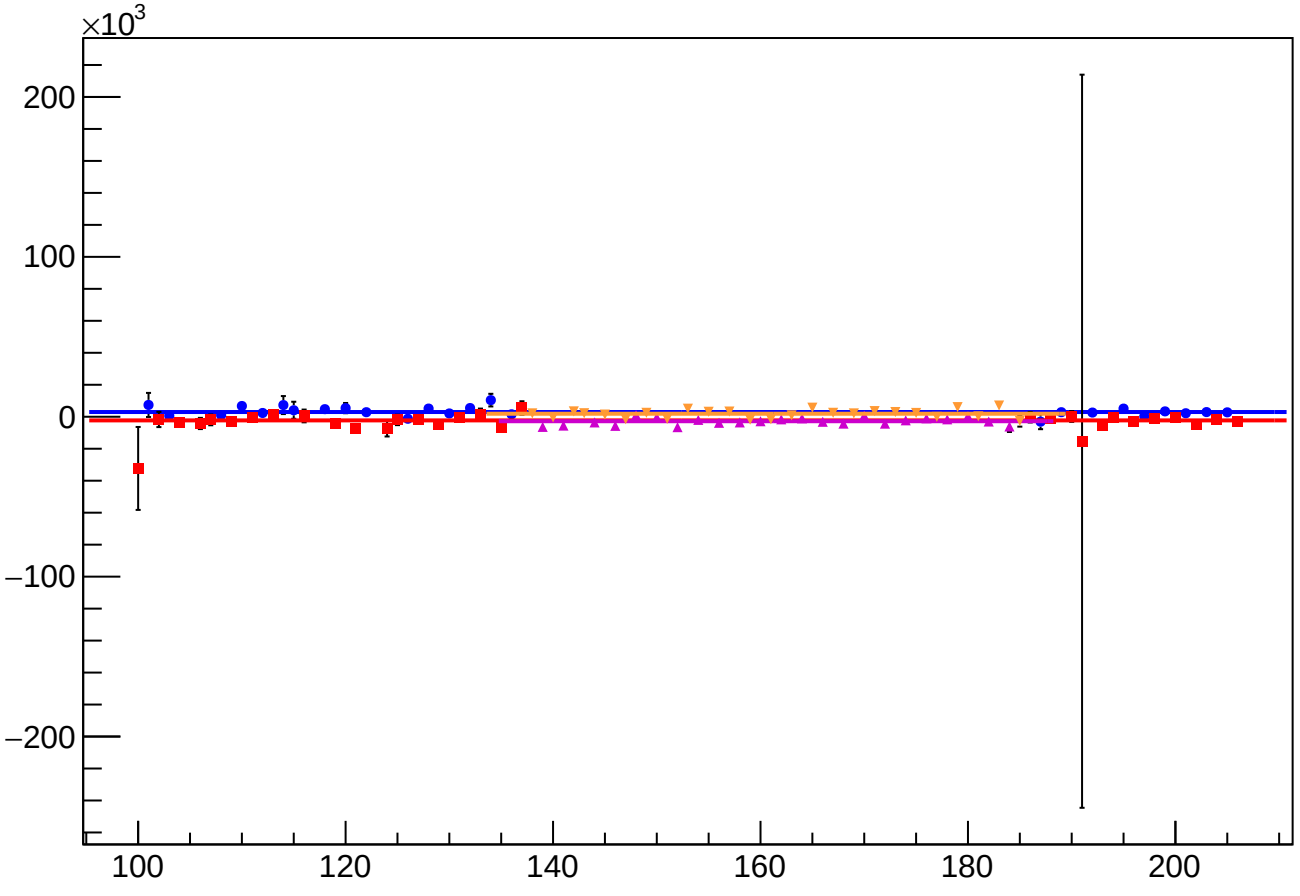
Right Out: 4415.638+/-0.860 χ^2/NDF: 5477333.2/30

Left In: 4663.273+/-0.787 χ^2/NDF:1286722.8/22

+ sign 4760.564+/-0.605 χ^2/NDF: 4368837.9/49

All: 4651.052+/-0.419 χ^2/NDF: 11240853.5/1

- sign 4550.404+/-0.580 χ^2/NDF: 6809216.6/53



Right In: 2955.438+/-537.143 χ^2/NDF: 16.5/24

Left Out: 1880.927+/-428.980 χ^2/NDF:32.9/24

Right Out: -2278.225+/-498.552 χ^2/NDF: 23.4/30

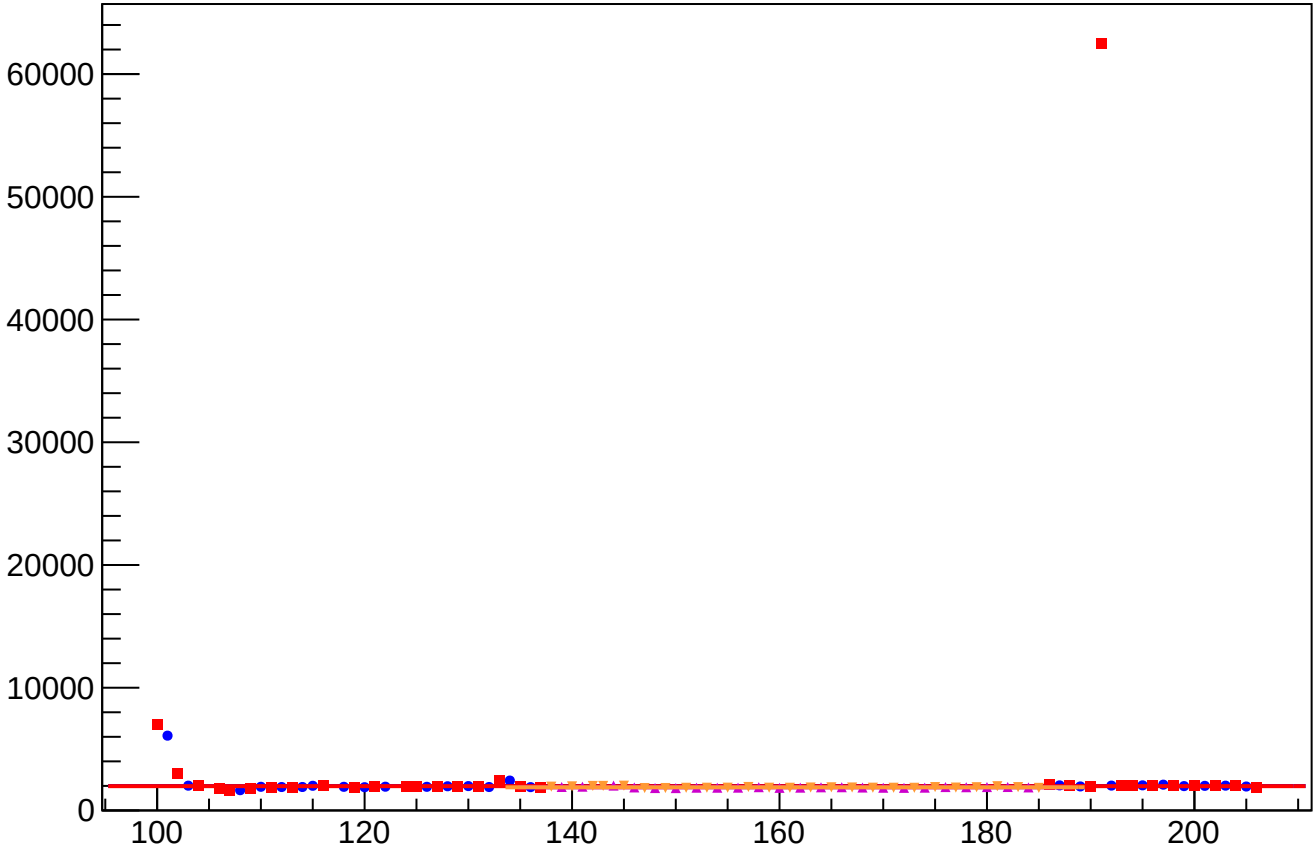
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2299.374+/-335.201 χ^2/NDF: 51.9/49

All: -177.098+/-235.008 χ^2/NDF: 208.8/103

- sign -2571.104+/-329.572 χ^2/NDF: 49.5/53

dit_asym_atr_avg_rms vs Slug



Right In: 1992.835+/-0.380 χ^2/NDF: 674407.3/24

Left Out: 1887.545+/-0.303 χ^2/NDF:31955.7/24

Right Out: 1979.824+/-0.352 χ^2/NDF: 431860.9/30

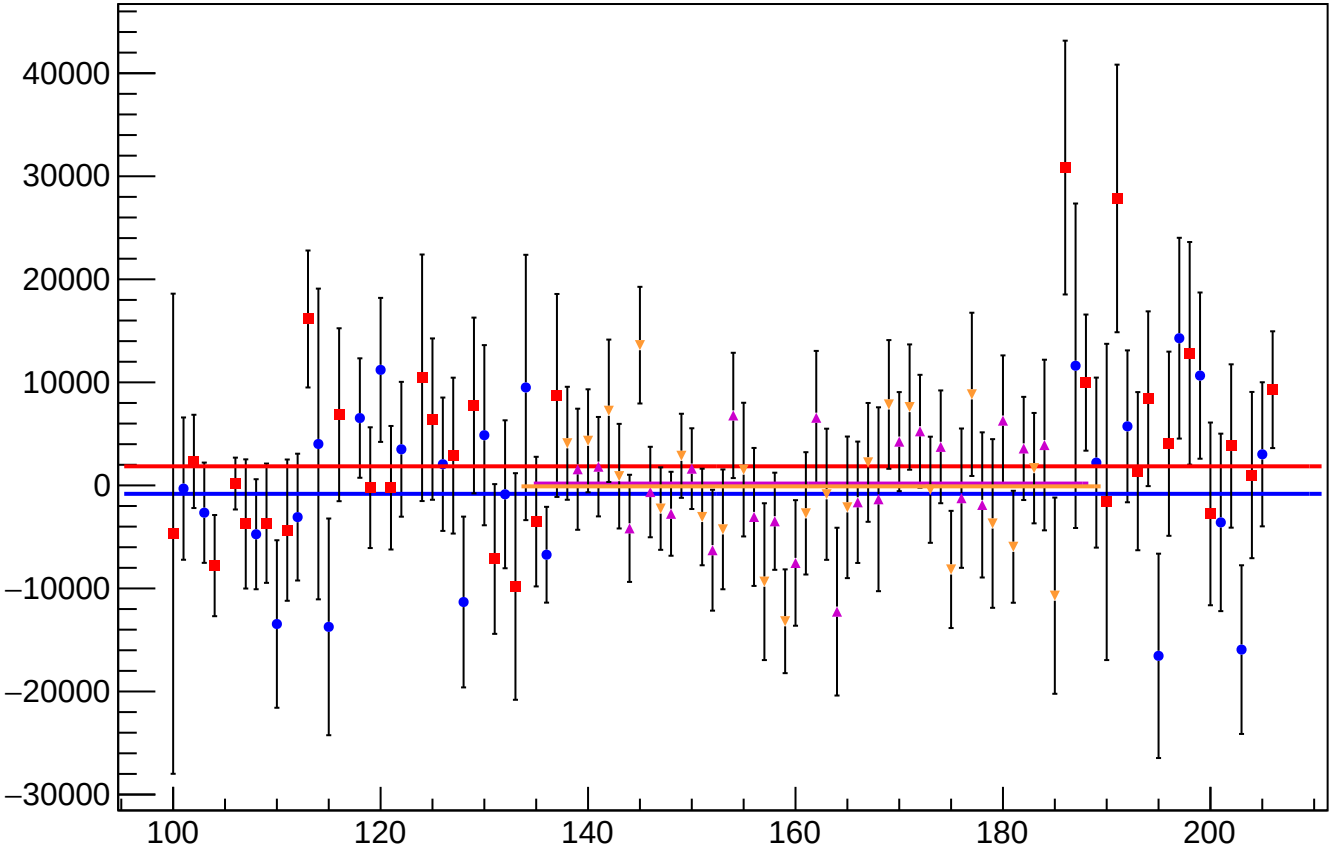
Left In: 1880.575+/-0.311 χ^2/NDF:19037.6/22

+ sign 1928.548+/-0.237 χ^2/NDF: 753282.7/49

All: 1926.218+/-0.166 χ^2/NDF: 1249015.7/10

- sign 1923.966+/-0.233 χ^2/NDF: 495543.0/53

asym_atr_avg_dit_correction_mean vs Slug



Right In: -818.391+/-1455.243 χ^2/NDF: 26.6/24

Left Out: -91.889+/-1133.233 χ^2/NDF:28.1/24

Right Out: 1852.152+/-1191.344 χ^2/NDF: 32.2/30

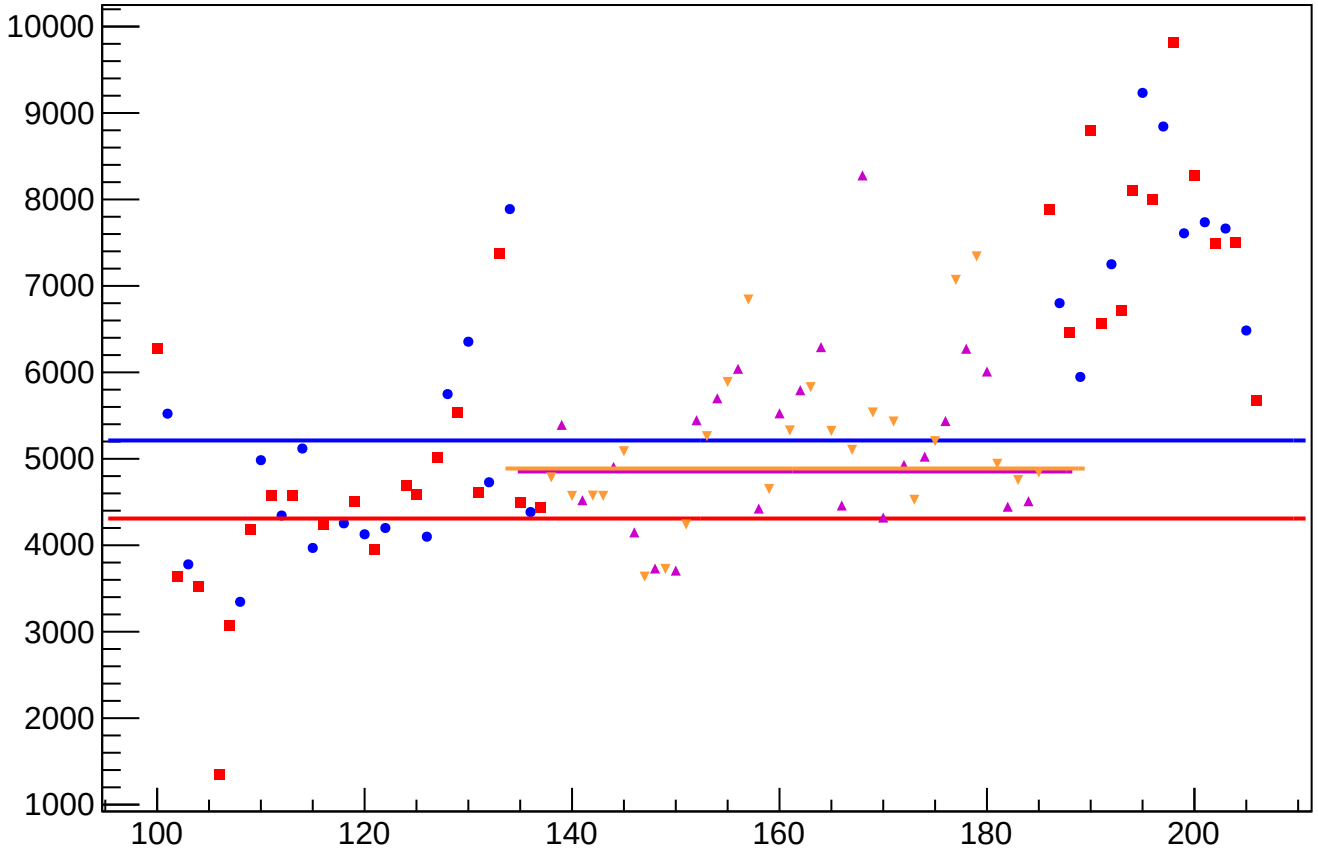
Left In: 177.137+/-1156.061 χ^2/NDF:13.5/22

+ sign -366.140+/-894.110 χ^2/NDF: 54.9/49

All: 362.288+/-608.164 χ^2/NDF: 102.9/103

- sign 989.474+/-829.651 χ^2/NDF: 46.8/53

asym_atr_avg_dit_correction_rms vs Slug



Right In: 5212.246+/-1.029 χ^2/NDF: 2292587.1/24

Left Out: 4887.823+/-0.801 χ^2/NDF:1063298.6/24

Right Out: 4309.400+/-0.842 χ^2/NDF: 6425774.1/30

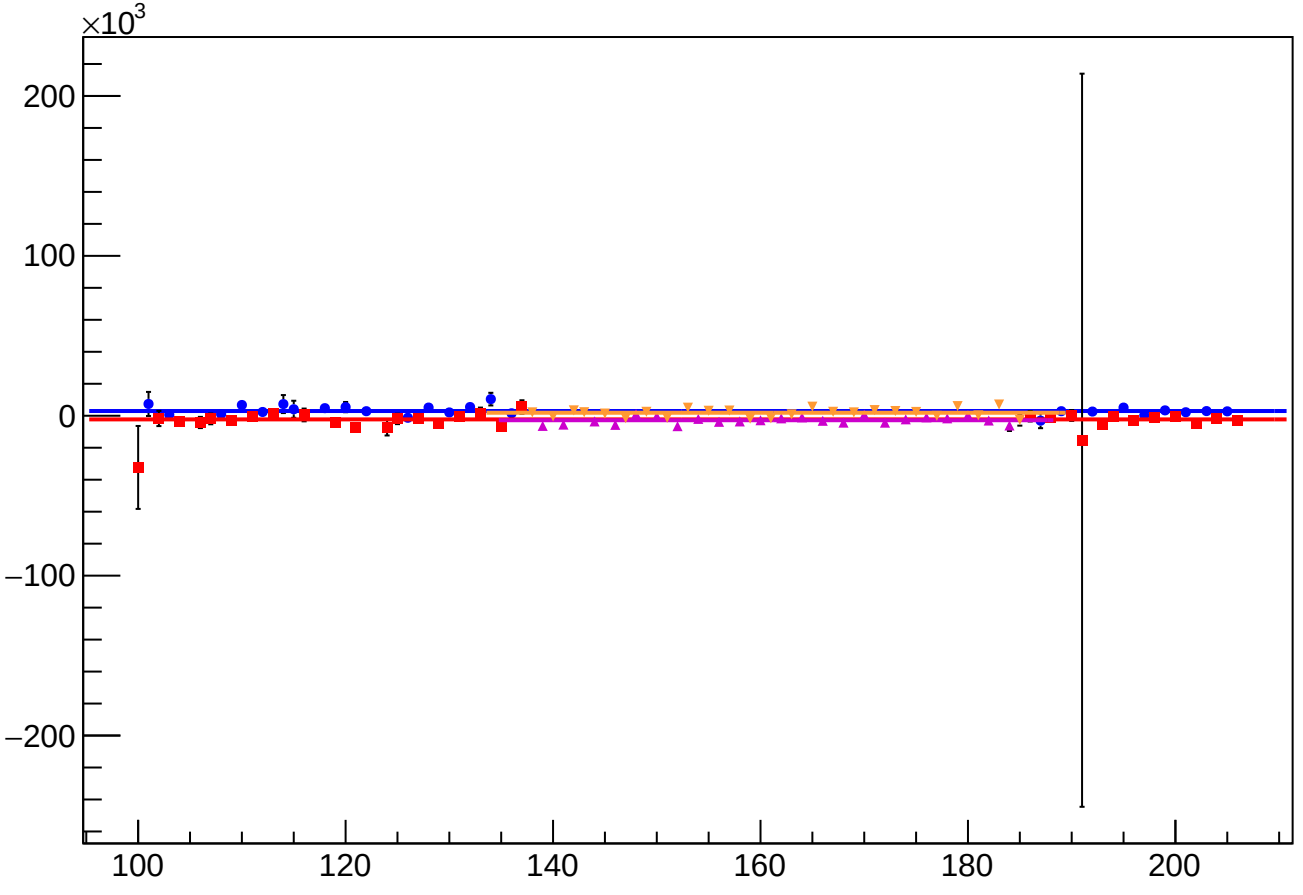
Left In: 4853.363+/-0.817 χ^2/NDF:1178636.9/22

+ sign 5010.291+/-0.632 χ^2/NDF: 3417762.0/49

All: 4784.212+/-0.430 χ^2/NDF: 11474885.6/1

- sign 4589.556+/-0.587 χ^2/NDF: 7819157.1/53

eigen_dit_asym_atr_avg_mean vs Slug



Right In: 2955.438+/-537.143 χ^2/NDF: 16.5/24

Left Out: 1880.922+/-428.981 χ^2/NDF:32.9/24

Right Out: -2278.224+/-498.552 χ^2/NDF: 23.4/30

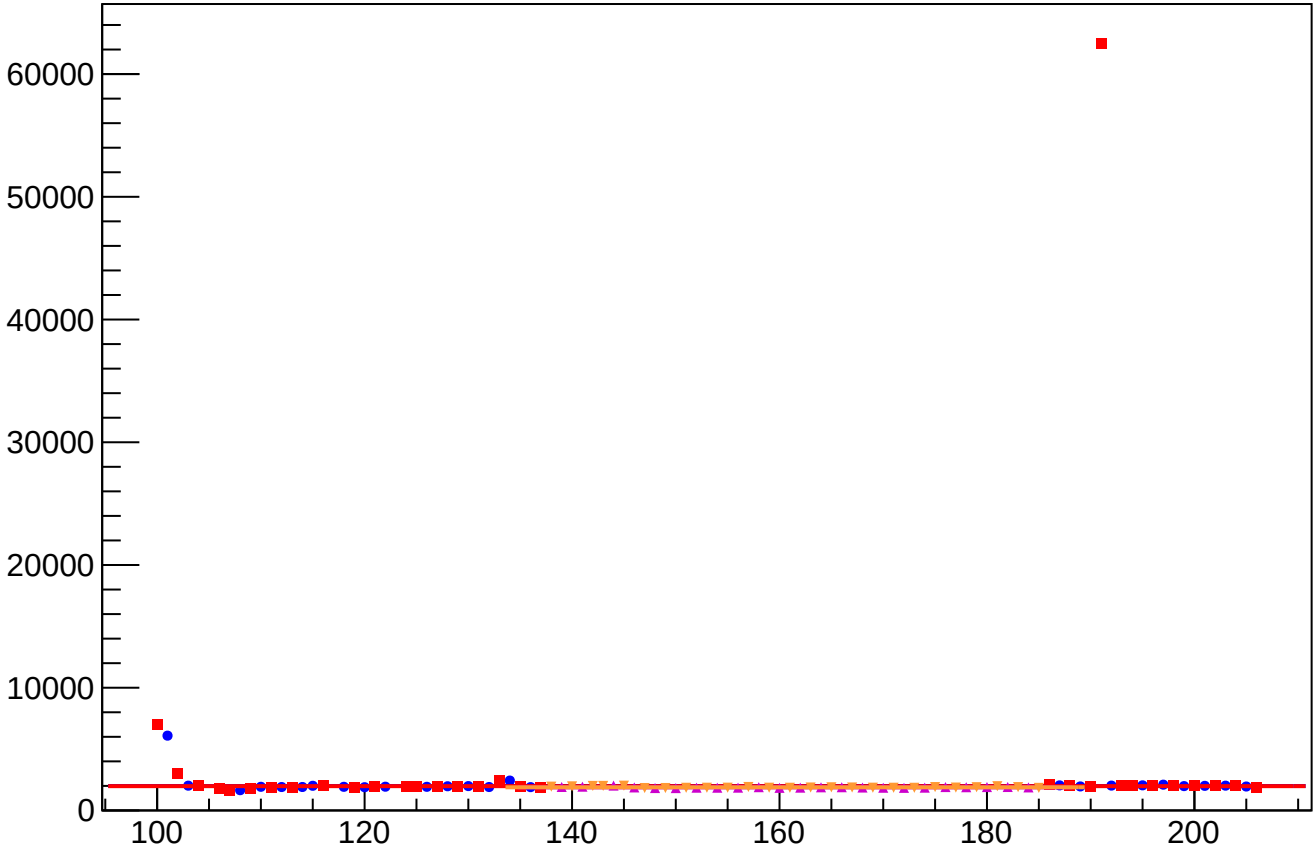
Left In: -2798.435+/-439.234 χ^2/NDF:25.4/22

+ sign 2299.371+/-335.201 χ^2/NDF: 51.9/49

All: -177.099+/-235.008 χ^2/NDF: 208.8/103

- sign -2571.103+/-329.573 χ^2/NDF: 49.5/53

eigen_dit_asym_atr_avg_rms vs Slug



Right In: 1992.834+/-0.380 χ^2/NDF: 674407.4/24

Left Out: 1887.546+/-0.303 χ^2/NDF:31955.8/24

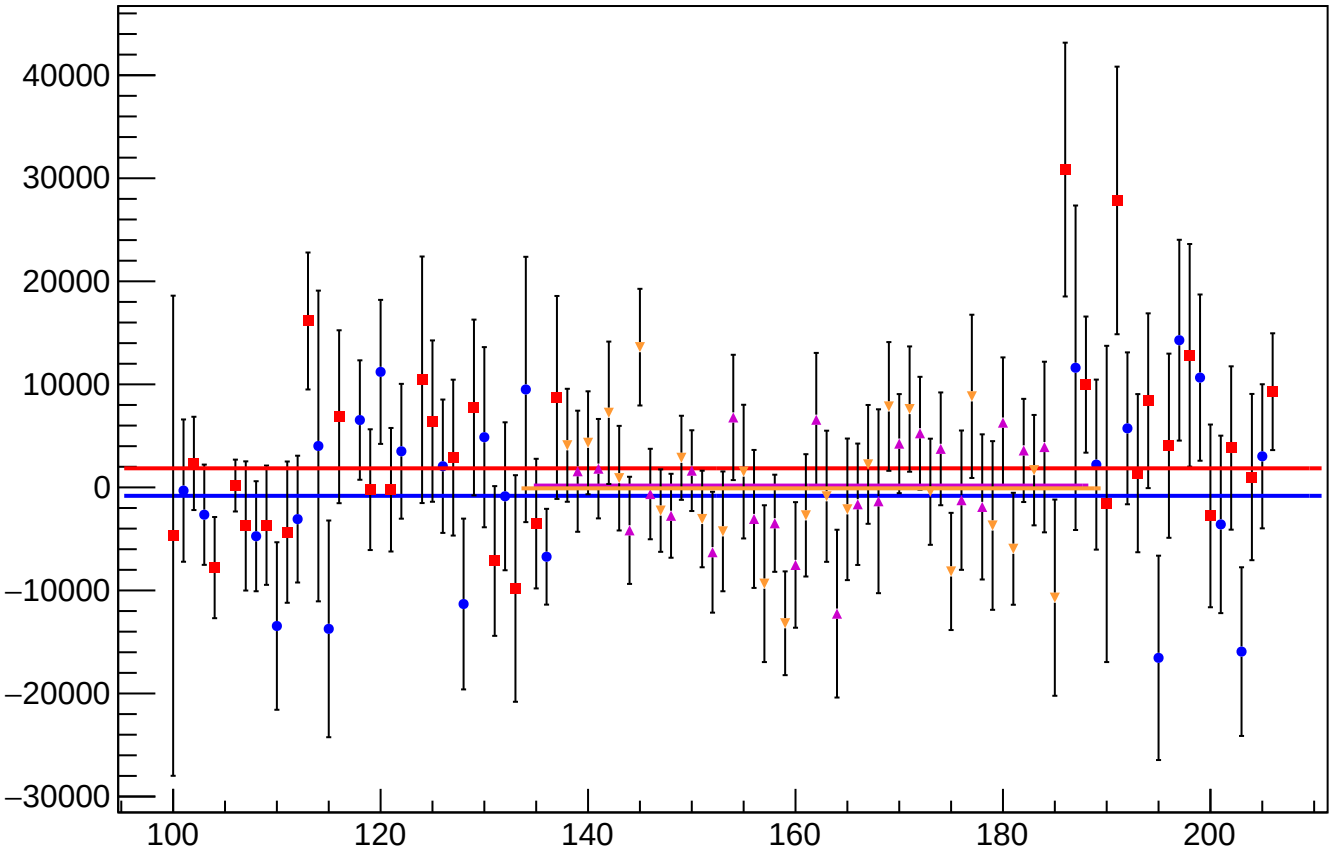
Right Out: 1979.824+/-0.352 χ^2/NDF: 431860.5/30

Left In: 1880.576+/-0.311 χ^2/NDF:19037.6/22

+ sign 1928.548+/-0.237 χ^2/NDF: 753282.1/49

All: 1926.218+/-0.166 χ^2/NDF: 1249014.0/10

- sign 1923.967+/-0.233 χ^2/NDF: 495541.9/53



Right In: -818.380+/-1455.242 χ^2/NDF: 26.6/24

Left Out: -91.892+/-1133.235 χ^2/NDF:28.1/24

Right Out: 1852.147+/-1191.342 χ^2/NDF: 32.2/30

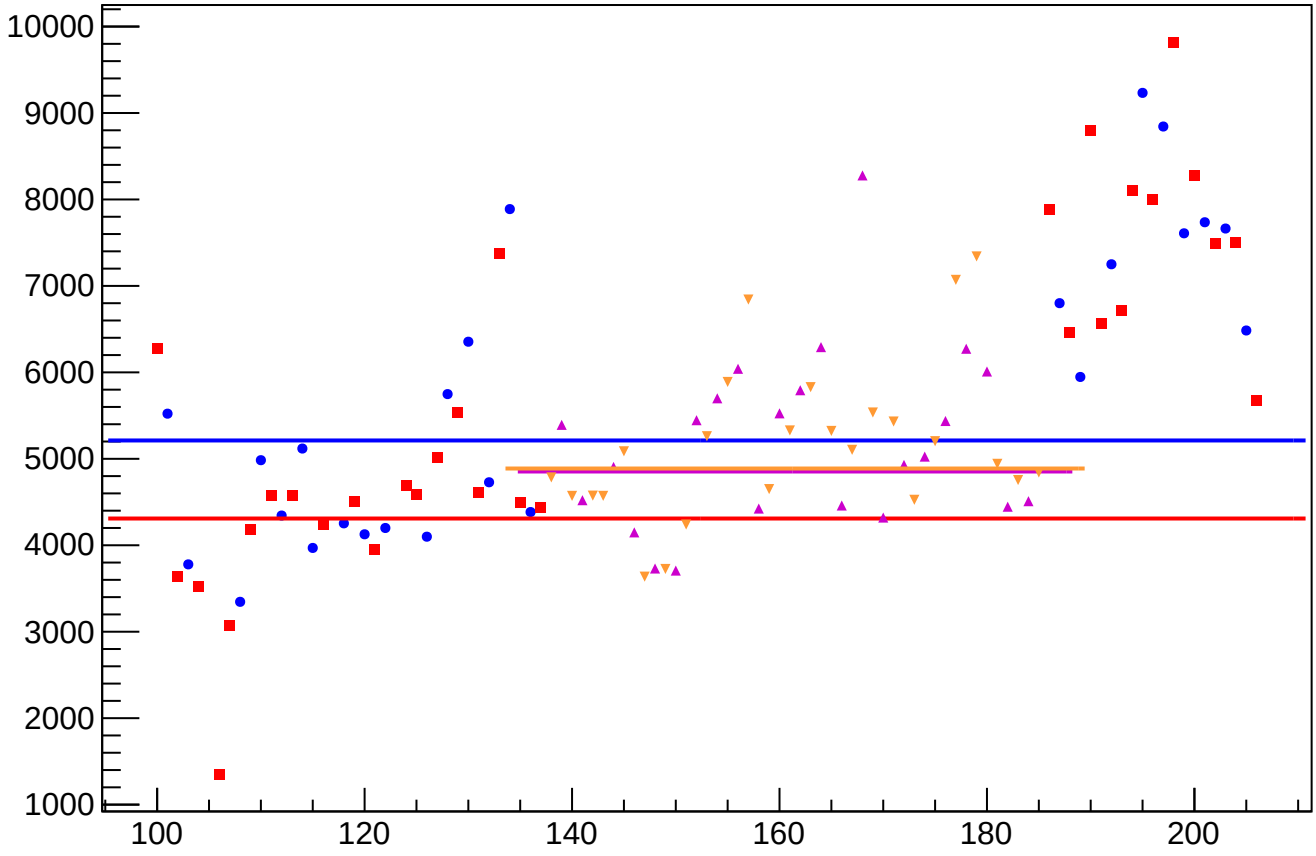
Left In: 177.140+/-1156.062 χ^2/NDF:13.5/22

+ sign -366.138+/-894.111 χ^2/NDF: 54.9/49

All: 362.290+/-608.165 χ^2/NDF: 102.9/103

- sign 989.475+/-829.652 χ^2/NDF: 46.8/53

asym_atr_avg_eigen_dit_correction_rms vs Slug



Right In: 5212.240+/-1.029 χ^2/NDF: 2292603.1/24

Left Out: 4887.830+/-0.801 χ^2/NDF:1063300.0/24

Right Out: 4309.391+/-0.842 χ^2/NDF: 6425807.3/30

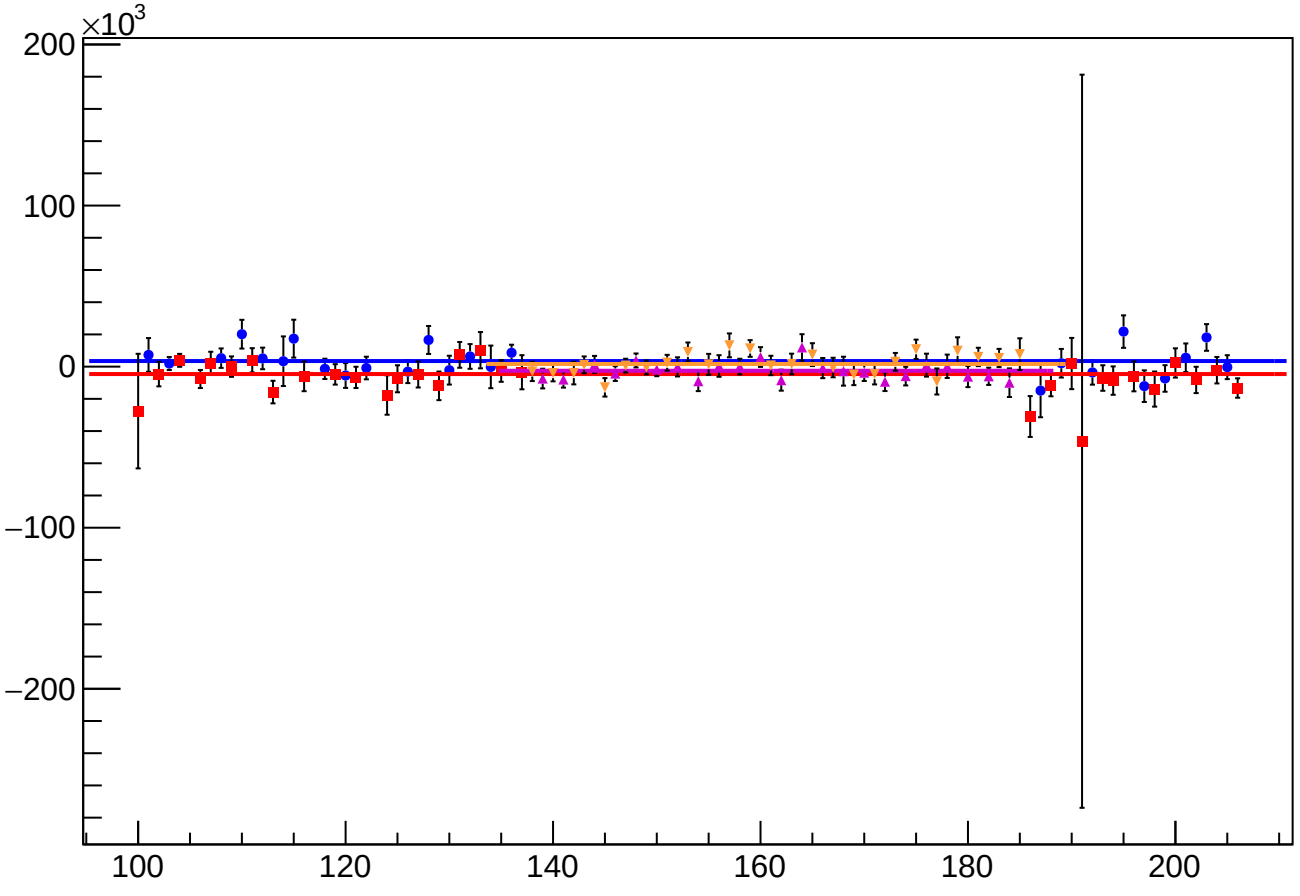
Left In: 4853.371+/-0.817 χ^2/NDF:1178639.4/22

+ sign 5010.294+/-0.632 χ^2/NDF: 3417774.3/49

All: 4784.213+/-0.430 χ^2/NDF: 11474951.1/1

- sign 4589.554+/-0.587 χ^2/NDF: 7819205.7/53

asym_atr_avg_mean vs Slug



Right In: 3468.720+/-1526.695 χ^2/NDF: 25.6/24

Left Out: 1654.615+/-1178.652 χ^2/NDF:26.0/24

Right Out: -4603.560+/-1404.137 χ^2/NDF: 26.1/30

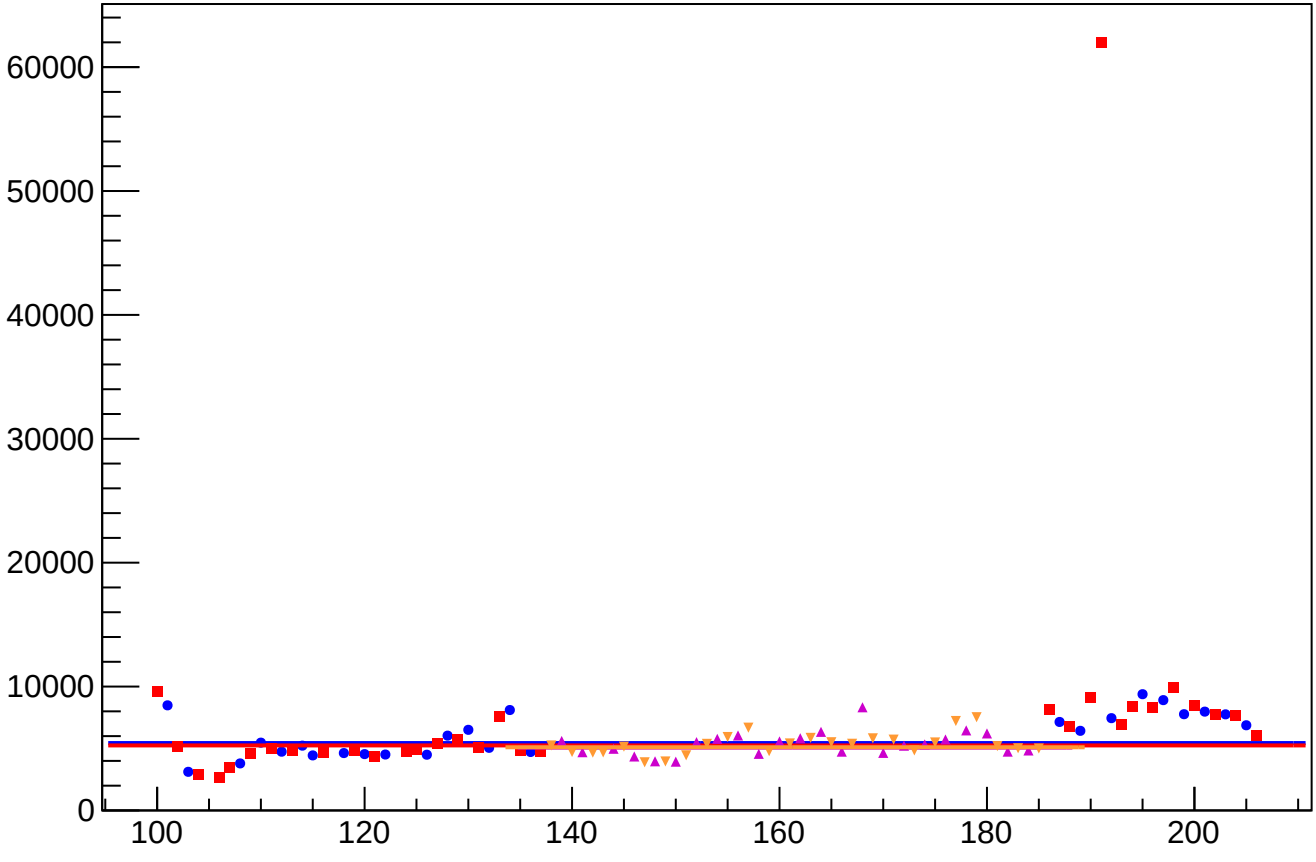
Left In: -2563.603+/-1204.450 χ^2/NDF:16.0/22

+ sign 2332.083+/-932.965 χ^2/NDF: 52.4/49

All: -606.651+/-652.969 χ^2/NDF: 115.1/103

- sign -3428.333+/-914.196 χ^2/NDF: 43.3/53

asym_atr_avg_rms vs Slug



Right In: 5439.752+/-1.080 χ^2/NDF: 2610700.1/24

Left Out: 5100.641+/-0.833 χ^2/NDF:909330.5/24

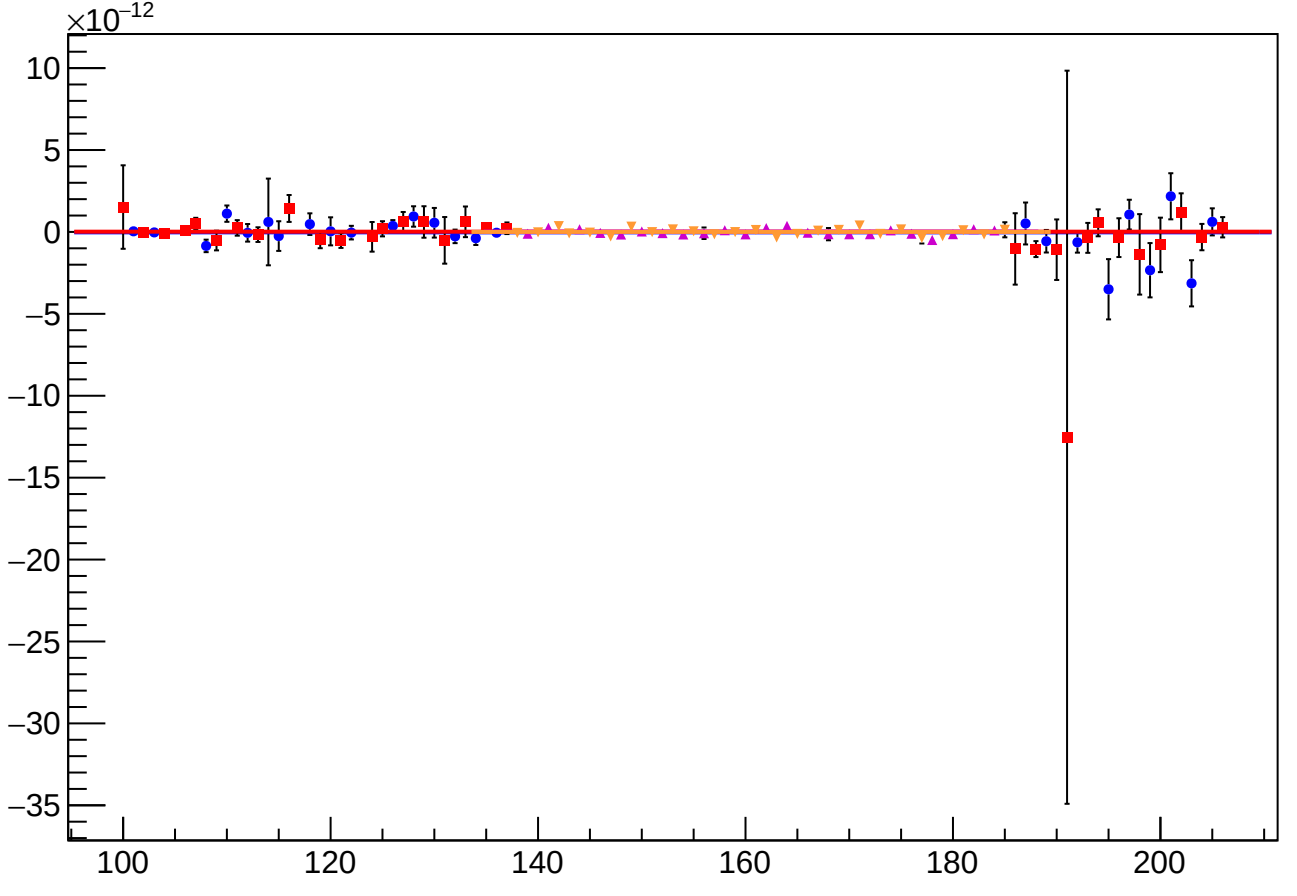
Right Out: 5249.680+/-0.987 χ^2/NDF: 3579976.7/30

Left In: 5073.543+/-0.852 χ^2/NDF:991915.5/22

+ sign 5227.280+/-0.660 χ^2/NDF: 3581856.2/49

All: 5187.107+/-0.461 χ^2/NDF: 8179257.7/10

- sign 5148.736+/-0.645 χ^2/NDF: 4590151.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 32.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:33.3/24

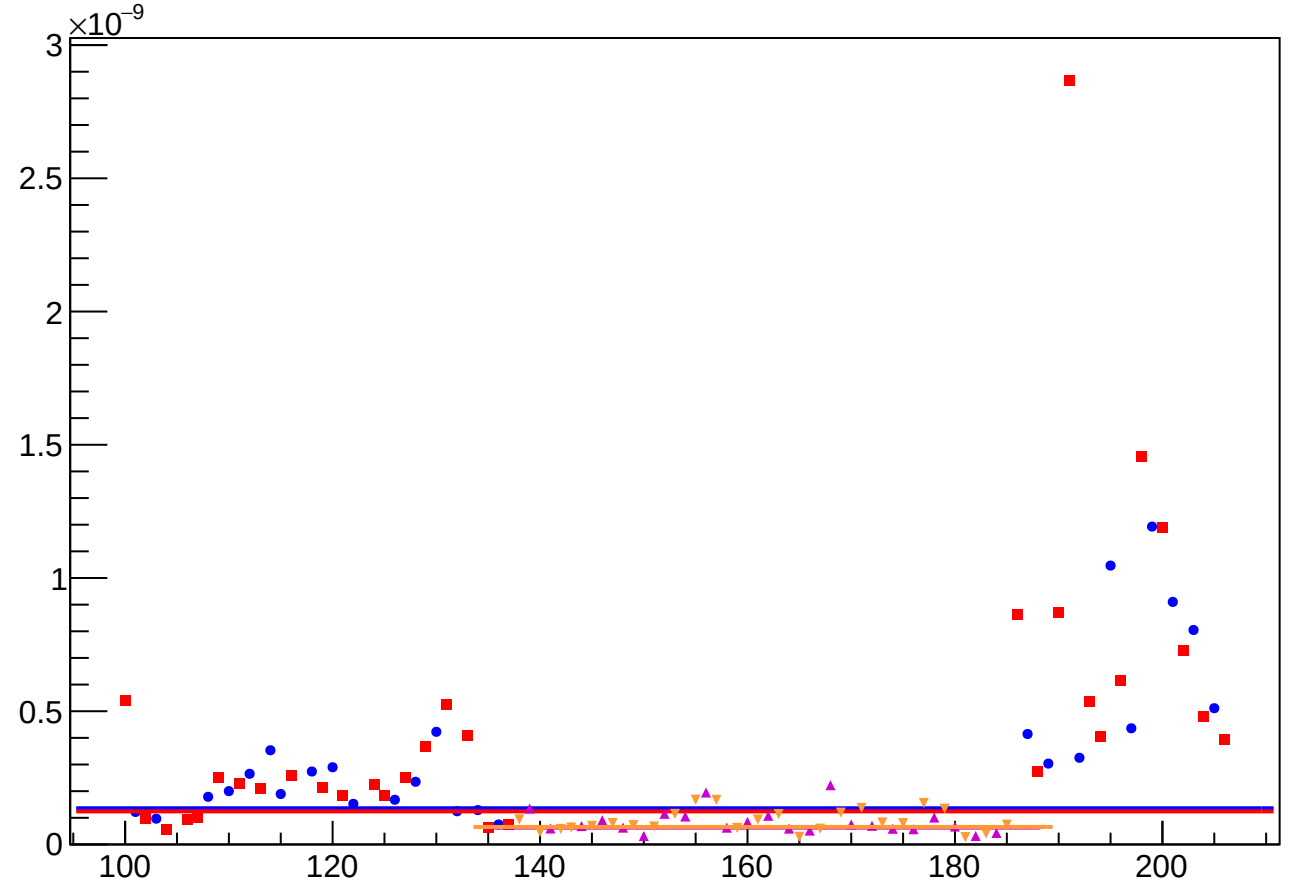
Right Out: 0.000+/-0.000 χ^2/NDF: 23.4/30

Left In: 0.000+/-0.000 χ^2/NDF:32.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.9/49

All: 0.000+/-0.000 χ^2/NDF: 122.1/103

- sign 0.000+/-0.000 χ^2/NDF: 55.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 4609504.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2472657.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6546628.8/30

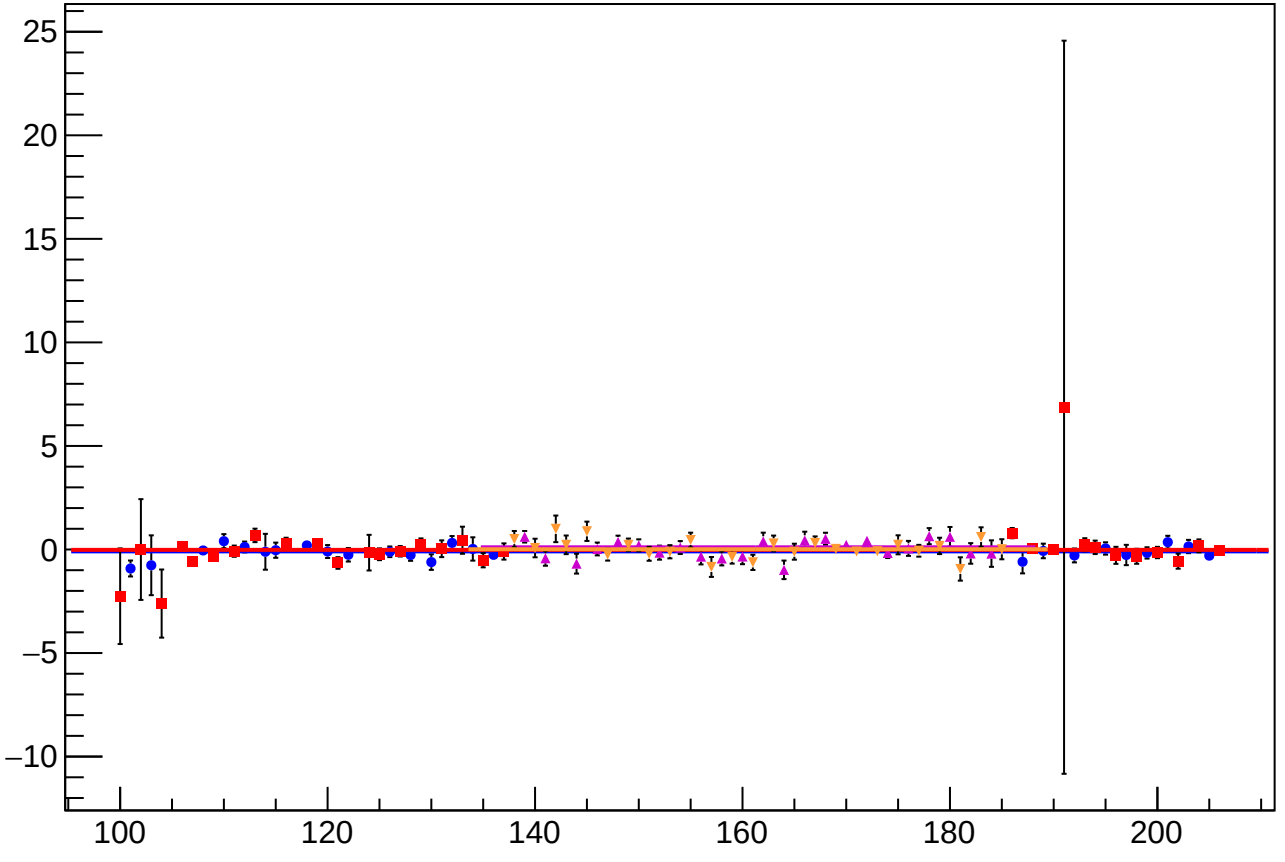
Left In: 0.000+/-0.000 χ^2/NDF:2196878.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8677994.9/49

All: 0.000+/-0.000 χ^2/NDF: 18742139.4/103

- sign 0.000+/-0.000 χ^2/NDF: 10049829.0/53

asym_atr_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.018+/-0.050 χ^2/NDF: 45.0/30

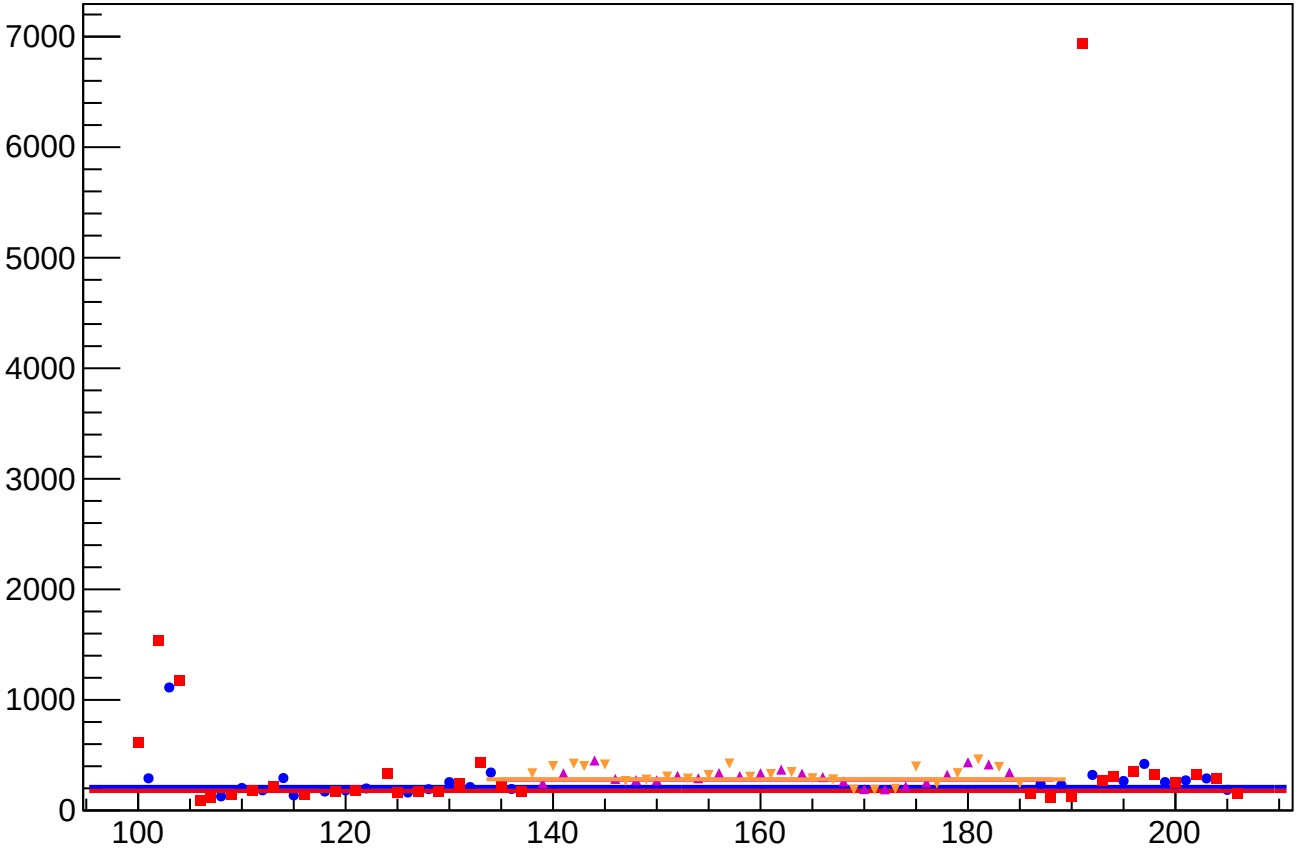
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.044+/-0.046 χ^2/NDF: 45.4/49

All: -0.006+/-0.030 χ^2/NDF: 125.2/103

- sign 0.025+/-0.041 χ^2/NDF: 78.6/53

asym_atr_avg_dit_vs_cor_diff_rms vs Slug



Right In: 213.358+/-0.044 χ^2/NDF: 2559086.6/24

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

Right Out: 175.856+/-0.036 χ^2/NDF: 5470688.8/30

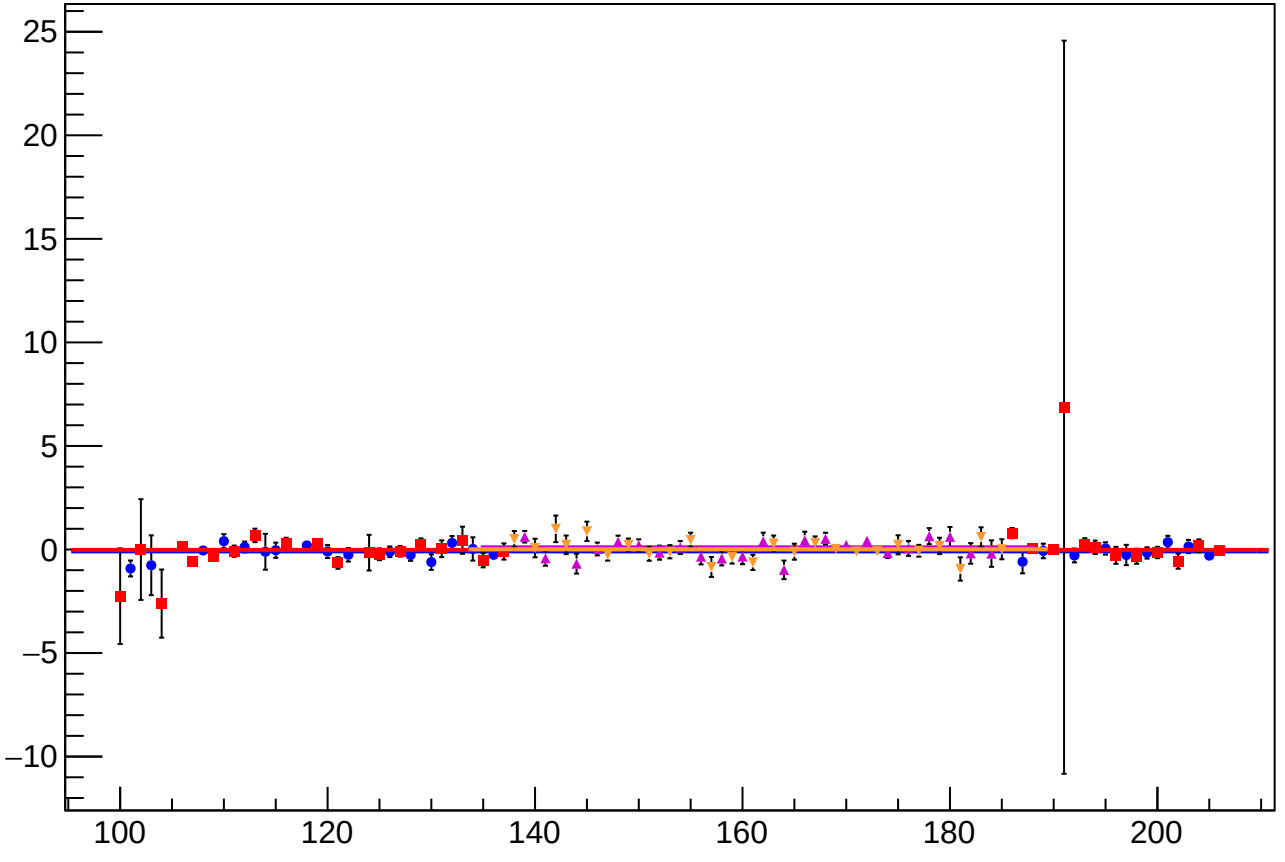
Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 244.491+/-0.032 χ^2/NDF: 6183650.8/49

All: 226.024+/-0.021 χ^2/NDF: 16941290.8/10

- sign 211.629+/-0.029 χ^2/NDF: 10181218.8/53

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.018+/-0.050 χ^2/NDF: 45.0/30

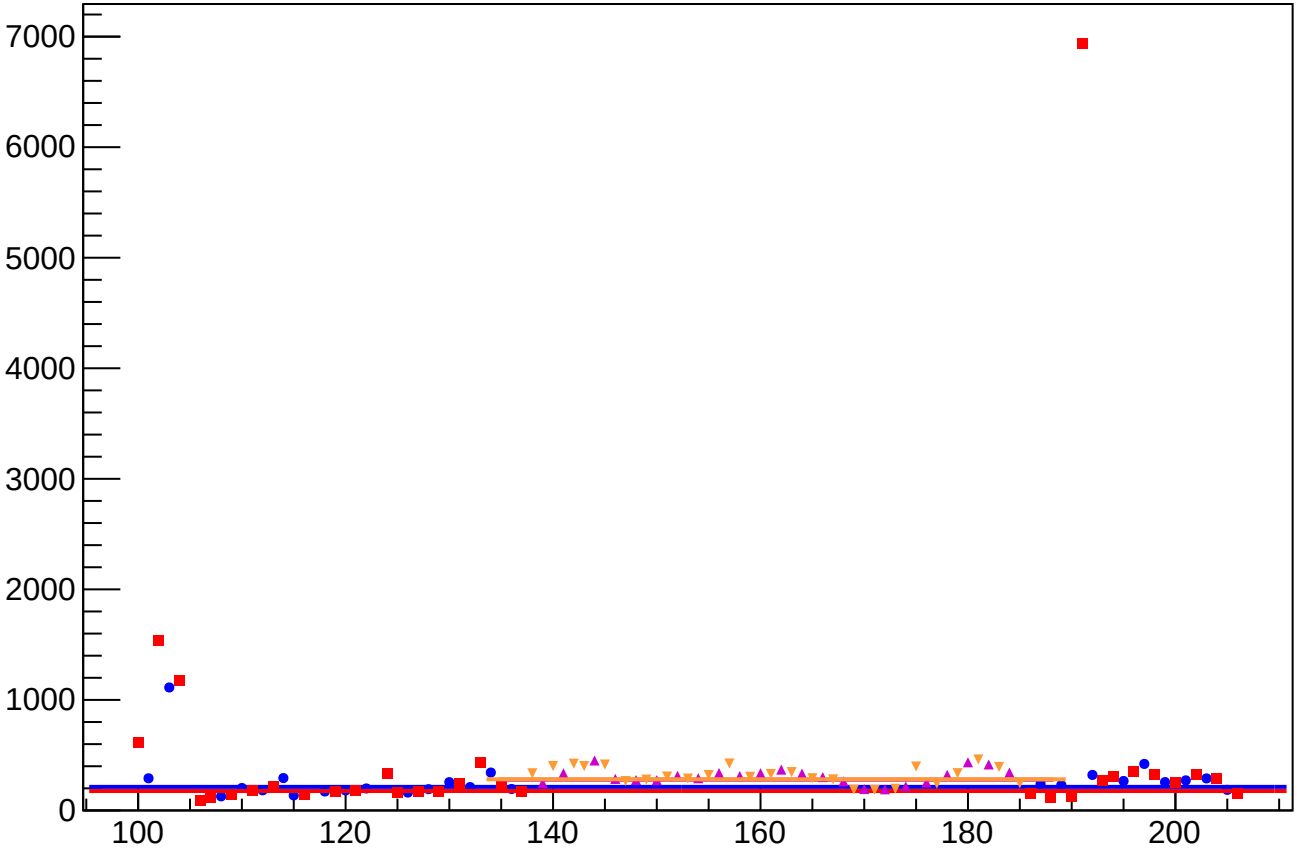
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

+ sign -0.044+/-0.046 χ^2/NDF: 45.4/49

All: -0.006+/-0.030 χ^2/NDF: 125.2/103

- sign 0.025+/-0.041 χ^2/NDF: 78.6/53

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 213.358+/-0.044 χ^2/NDF: 2559086.6/24

Left Out: 281.818+/-0.048 χ^2/NDF:2520824.2/24

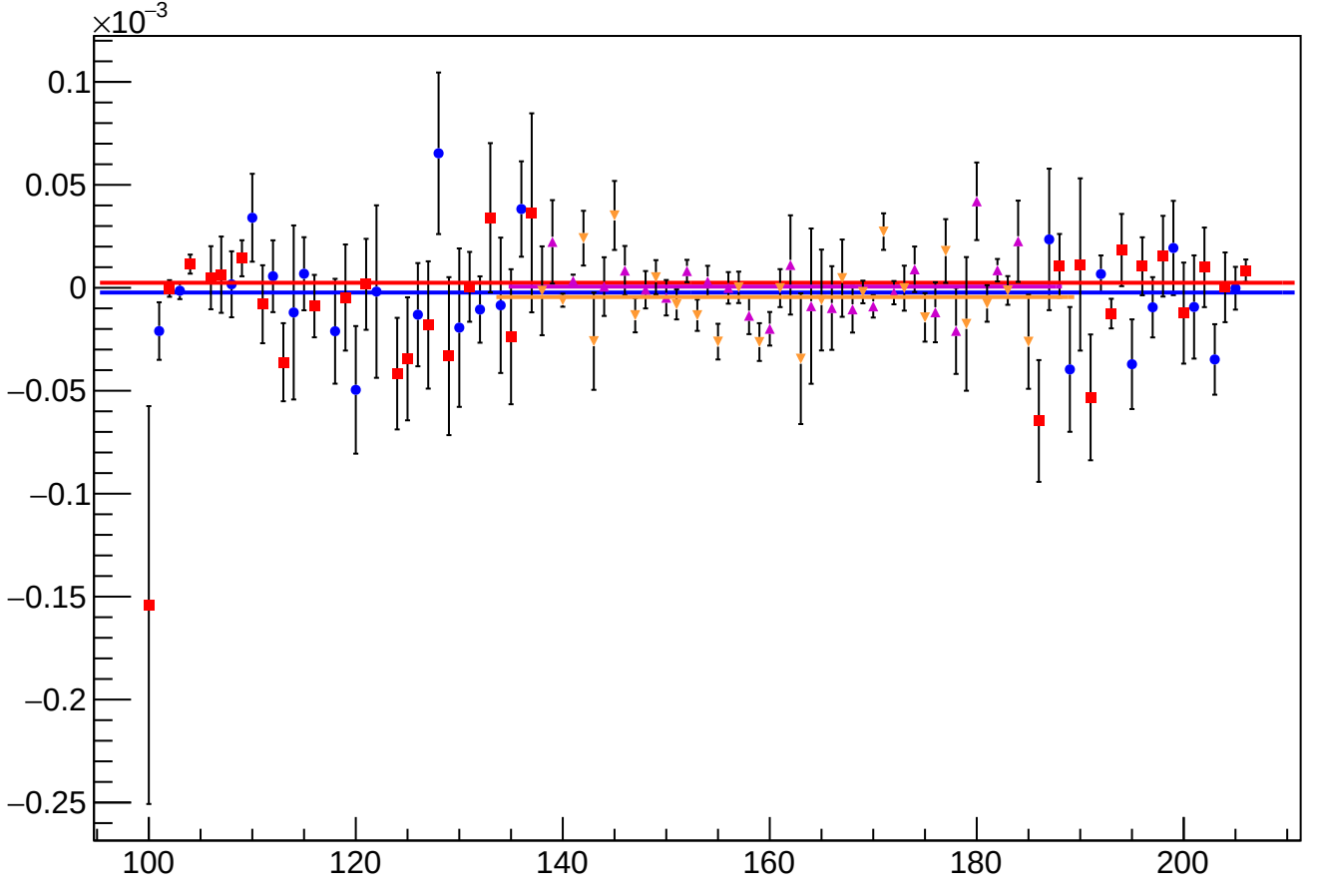
Right Out: 175.856+/-0.036 χ^2/NDF: 5470688.8/30

Left In: 278.409+/-0.049 χ^2/NDF:1799690.4/22

+ sign 244.491+/-0.032 χ^2/NDF: 6183650.8/49

All: 226.024+/-0.021 χ^2/NDF: 16941290.8/10

- sign 211.629+/-0.029 χ^2/NDF: 10181218.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 25.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:46.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 37.7/30

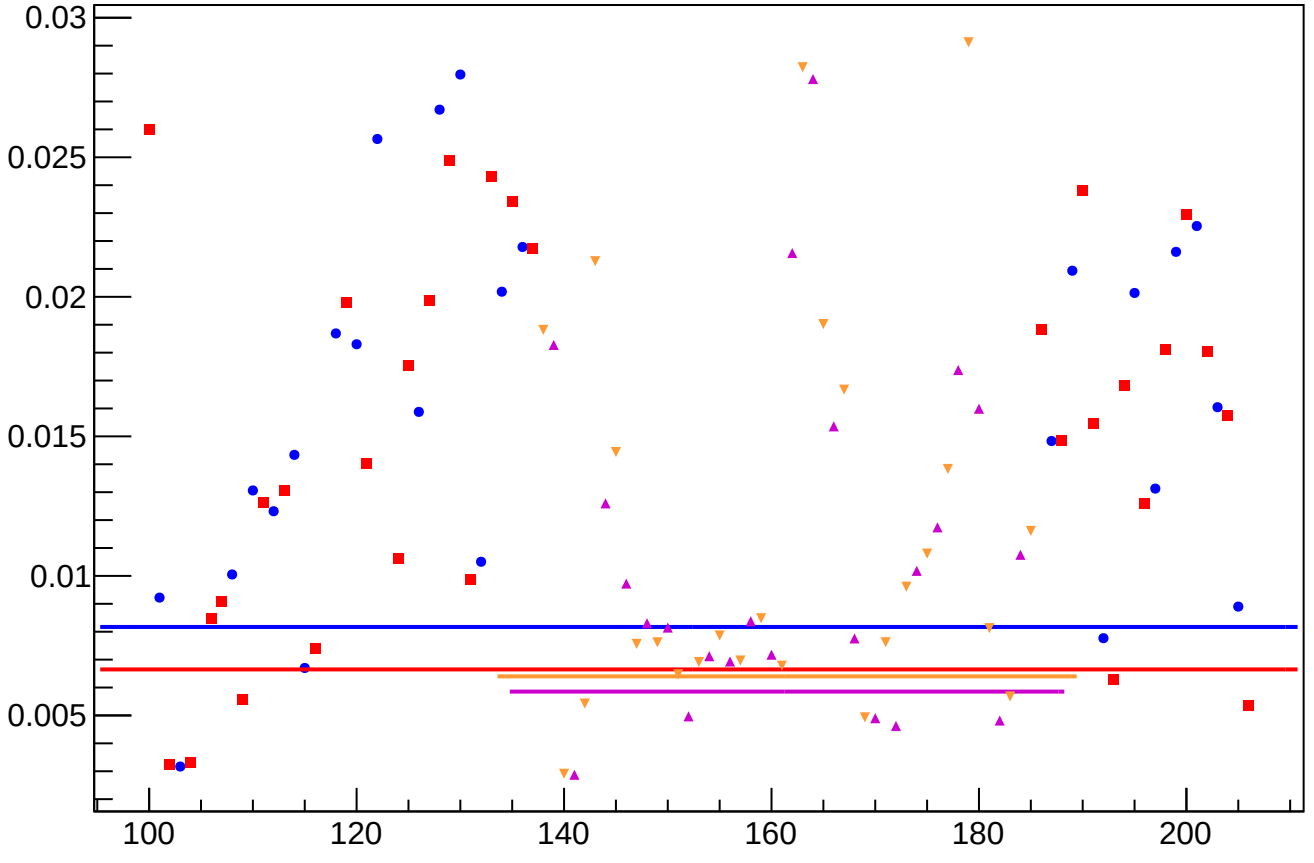
Left In: 0.000+/-0.000 χ^2/NDF:29.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.2/49

All: -0.000+/-0.000 χ^2/NDF: 146.6/103

- sign 0.000+/-0.000 χ^2/NDF: 67.3/53

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 9436824.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8964265.3/24

Right Out: 0.007+/-0.000 χ^2/NDF: 11600229.3/30

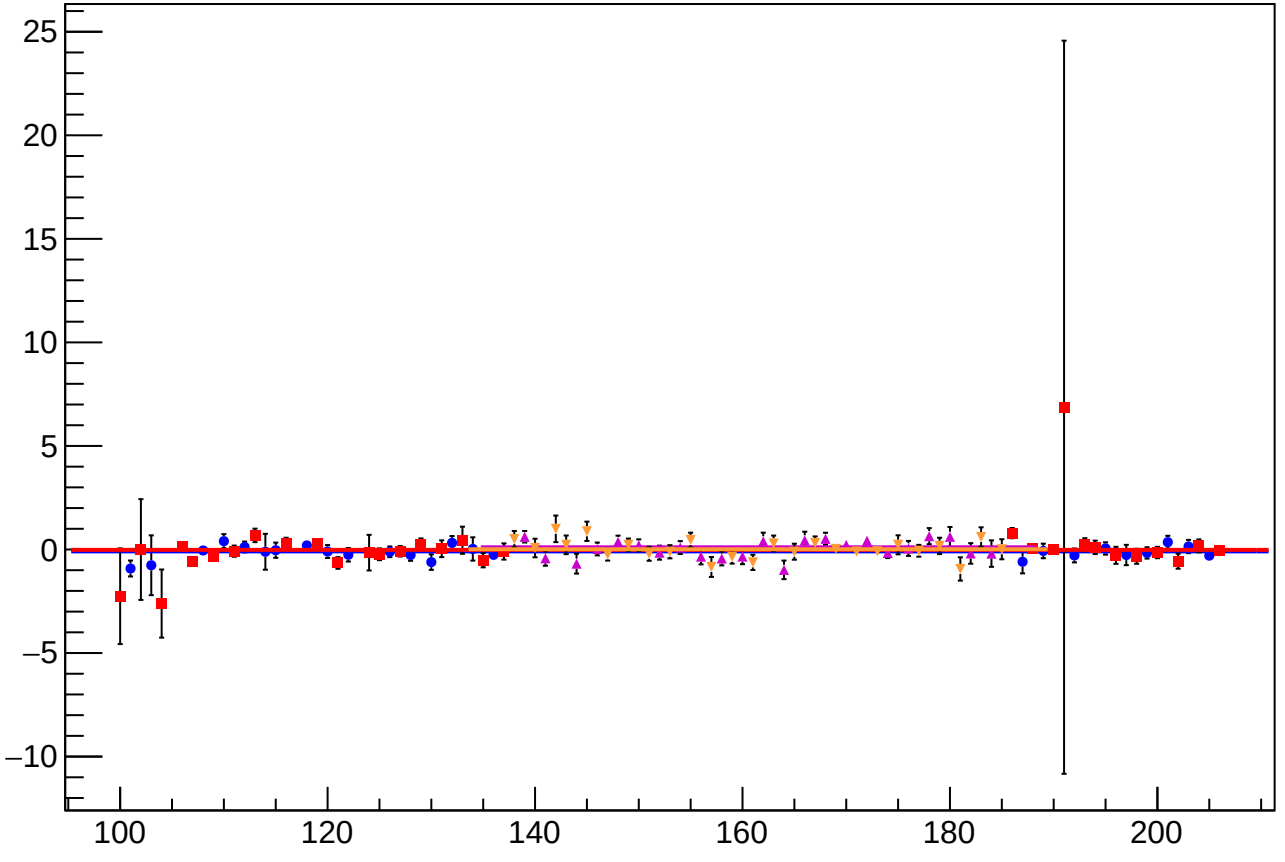
Left In: 0.006+/-0.000 χ^2/NDF:8144305.6/22

\+ sign 0.007+/-0.000 χ^2/NDF: 18984259.4/49

All: 0.006+/-0.000 χ^2/NDF: 39189125.6/103

\- sign 0.006+/-0.000 χ^2/NDF: 19924823.6/53

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.018+/-0.050 χ^2/NDF: 45.0/30

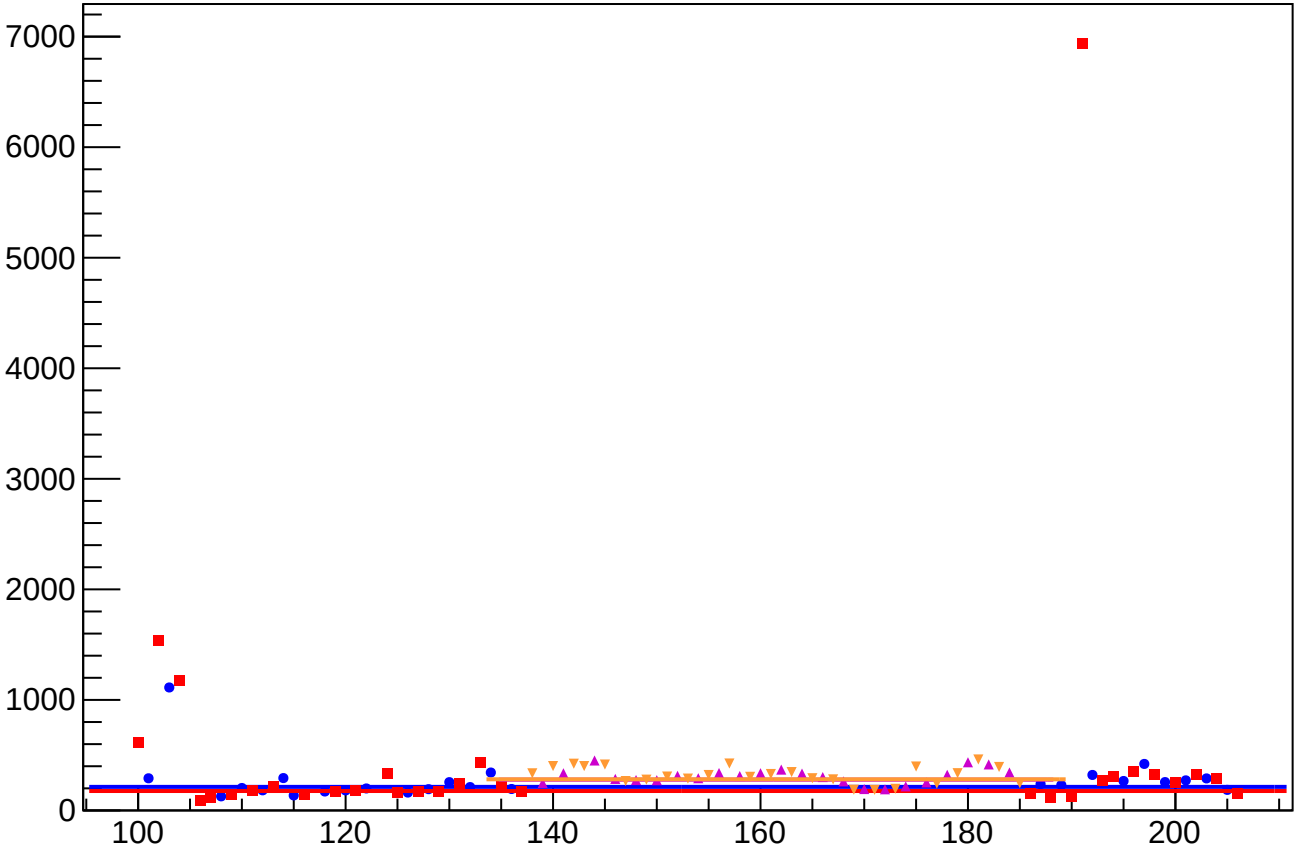
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.044+/-0.046 χ^2/NDF: 45.4/49

All: -0.006+/-0.030 χ^2/NDF: 125.2/103

\- sign 0.025+/-0.041 χ^2/NDF: 78.6/53

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 213.358+/-0.044 χ^2/NDF: 2559098.4/24

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

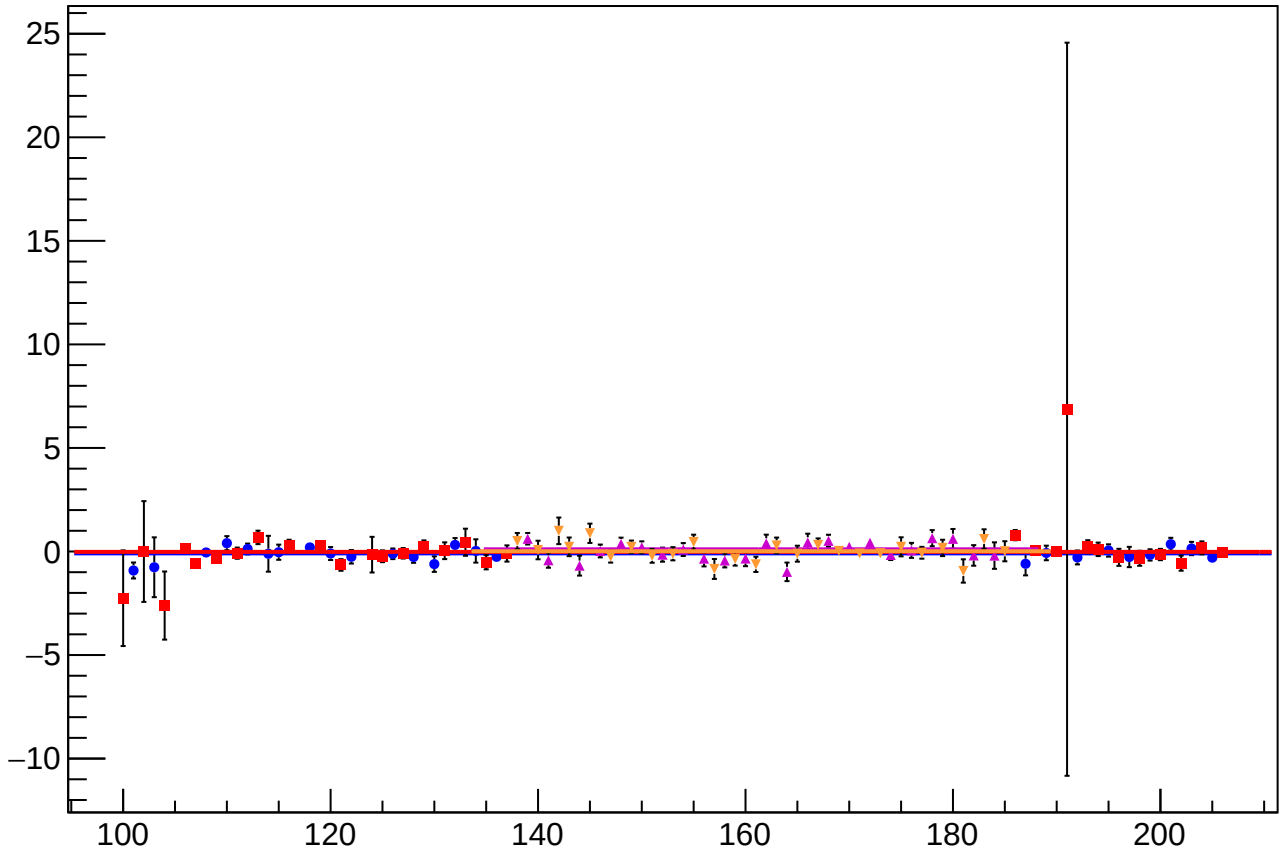
Right Out: 175.853+/-0.036 χ^2/NDF: 5470844.2/30

Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 244.492+/-0.032 χ^2/NDF: 6183811.6/49

All: 226.023+/-0.021 χ^2/NDF: 16942035.3/10

- sign 211.627+/-0.029 χ^2/NDF: 10181710.1/53



Right In: -0.091+/-0.062 χ^2/NDF: 18.9/24

Left Out: 0.012+/-0.068 χ^2/NDF:25.2/24

Right Out: -0.018+/-0.050 χ^2/NDF: 45.0/30

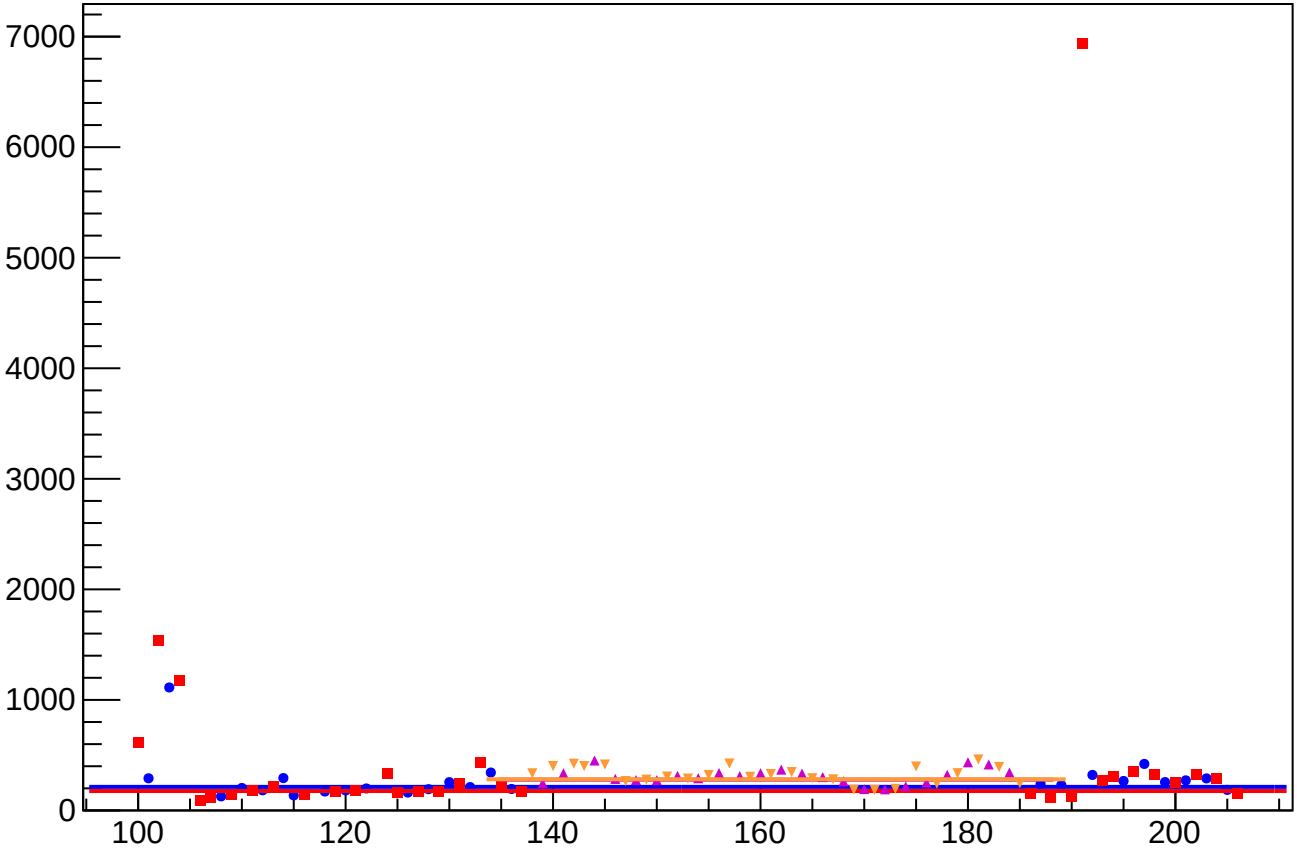
Left In: 0.105+/-0.069 χ^2/NDF:31.4/22

\+ sign -0.044+/-0.046 χ^2/NDF: 45.4/49

All: -0.006+/-0.030 χ^2/NDF: 125.2/103

\- sign 0.025+/-0.041 χ^2/NDF: 78.6/53

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 213.358+/-0.044 χ^2/NDF: 2559098.4/24

Left Out: 281.820+/-0.048 χ^2/NDF:2520889.0/24

Right Out: 175.853+/-0.036 χ^2/NDF: 5470844.2/30

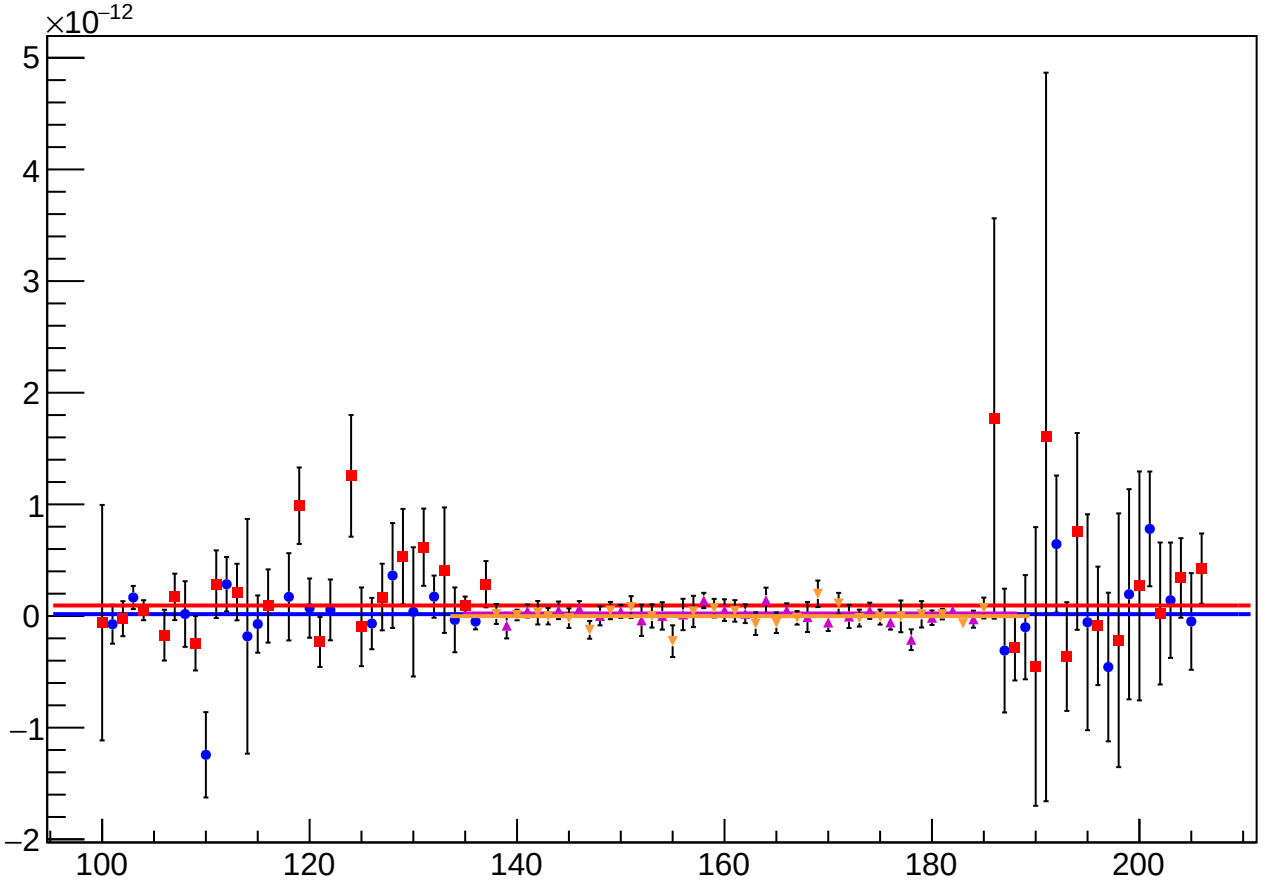
Left In: 278.412+/-0.049 χ^2/NDF:1799730.1/22

+ sign 244.492+/-0.032 χ^2/NDF: 6183811.6/49

All: 226.023+/-0.021 χ^2/NDF: 16942035.3/10

- sign 211.627+/-0.029 χ^2/NDF: 10181710.1/53

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:15.4/24

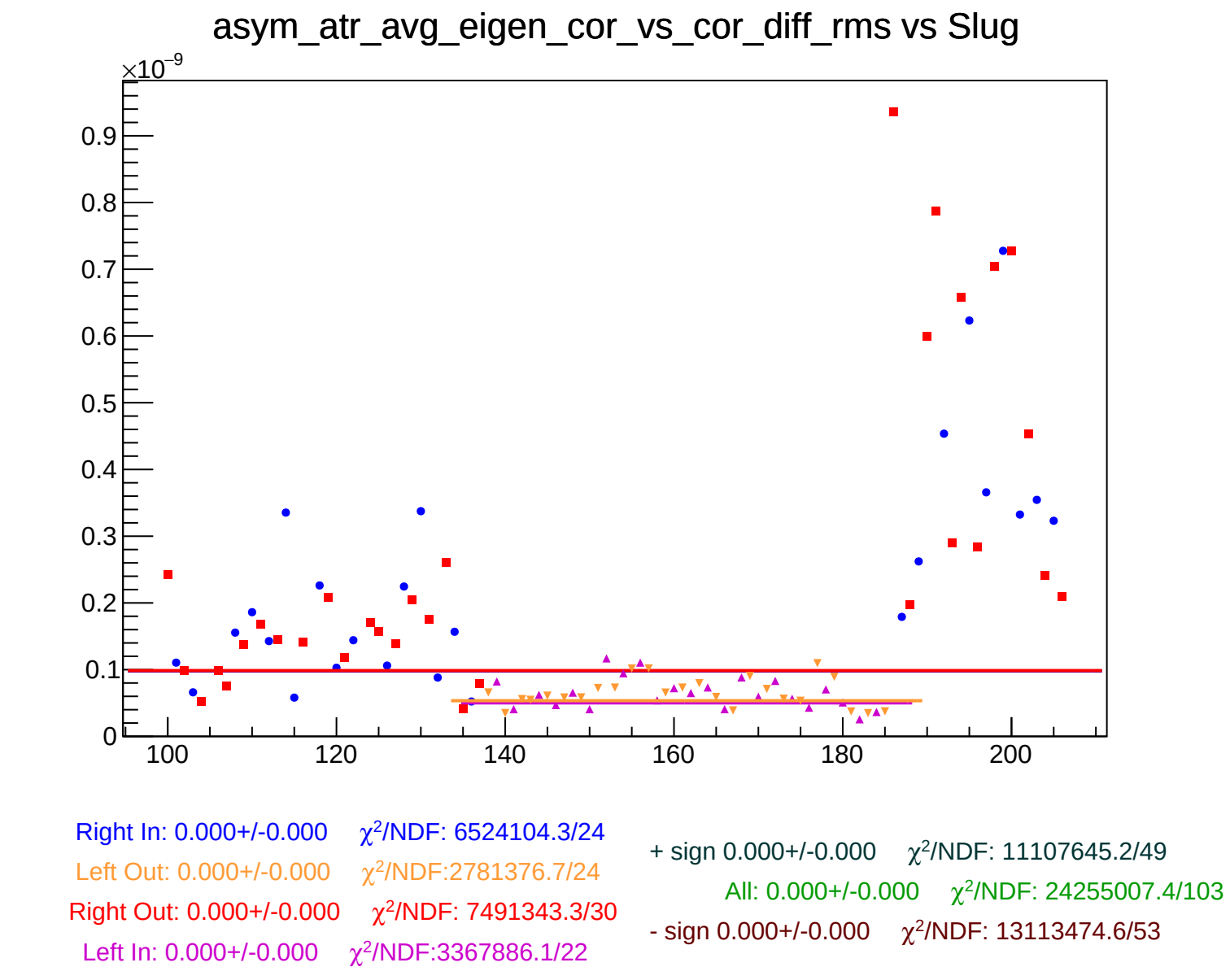
Right Out: 0.000+/-0.000 χ^2/NDF: 29.4/30

Left In: 0.000+/-0.000 χ^2/NDF:16.8/22

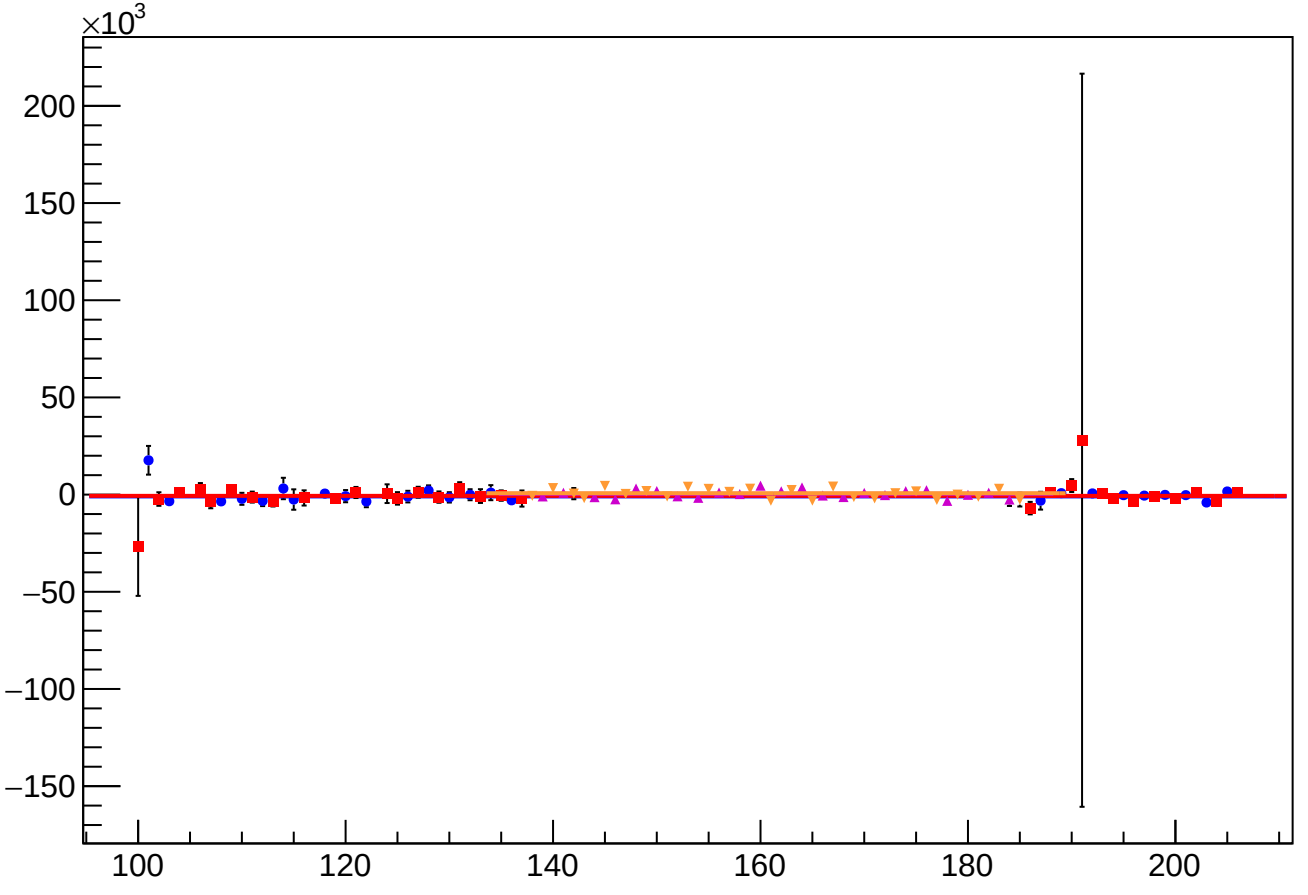
+ sign 0.000+/-0.000 χ^2/NDF: 36.9/49

All: 0.000+/-0.000 χ^2/NDF: 87.7/103

- sign 0.000+/-0.000 χ^2/NDF: 48.7/53


asym_atr_avg_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6524104.3/24
Left Out: 0.000+/-0.000 χ²/NDF:2781376.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 7491343.3/30
Left In: 0.000+/-0.000 χ²/NDF:3367886.1/22
+ sign 0.000+/-0.000 χ²/NDF: 11107645.2/49
All: 0.000+/-0.000 χ²/NDF: 24255007.4/103
- sign 0.000+/-0.000 χ²/NDF: 13113474.6/53

reg_asym_atr_dd_mean vs Slug



Right In: -934.674+/-518.933 χ^2/NDF: 19.5/24

Left Out: 705.742+/-415.383 χ^2/NDF:31.9/24

Right Out: -648.361+/-481.363 χ^2/NDF: 23.3/30

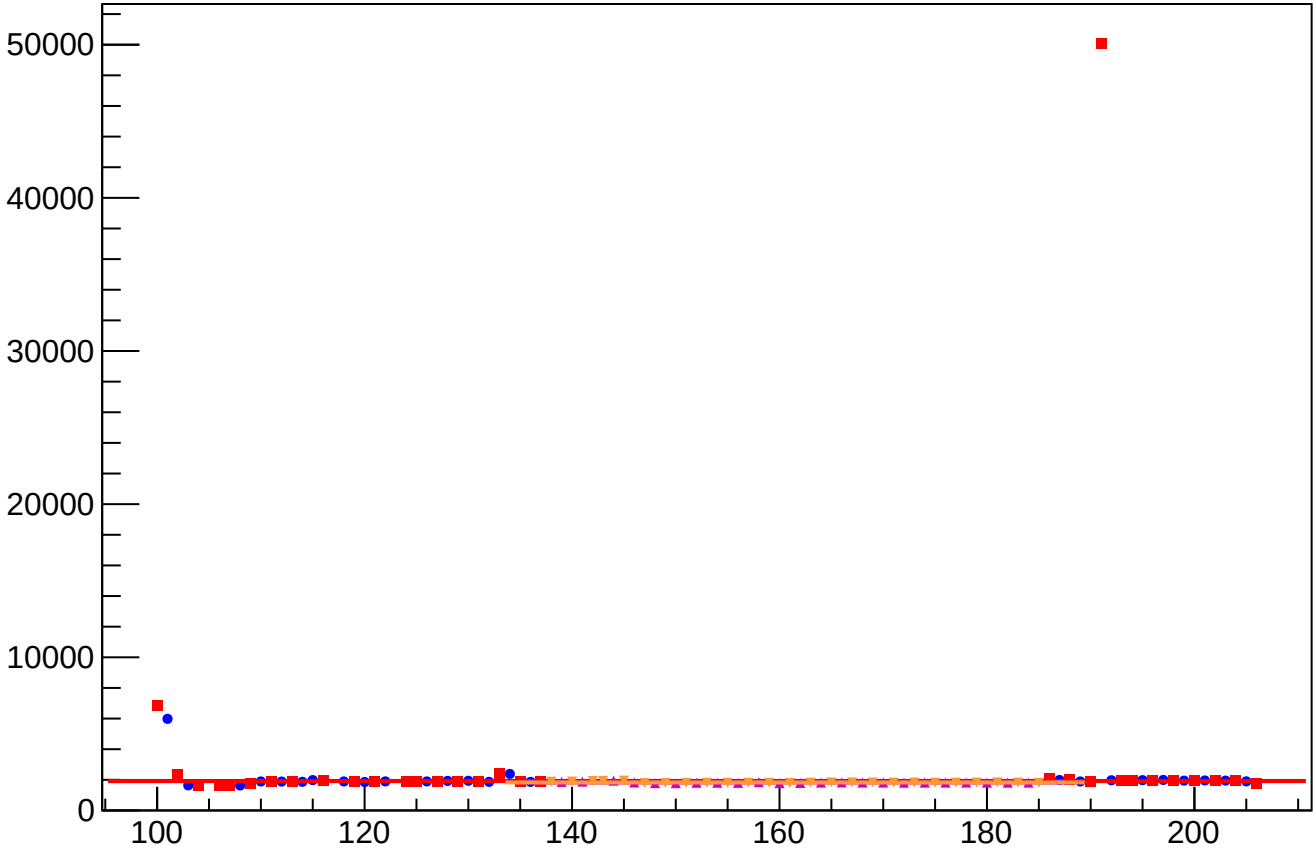
Left In: 403.144+/-426.215 χ^2/NDF:20.7/22

+ sign 65.134+/-324.288 χ^2/NDF: 57.5/49

All: 2.093+/-227.451 χ^2/NDF: 104.3/103

- sign -58.950+/-319.104 χ^2/NDF: 46.7/53

reg_asym_atr_dd_rms vs Slug



Right In: 1924.549+/-0.367 χ^2/NDF: 706468.3/24

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

Right Out: 1914.345+/-0.340 χ^2/NDF: 385868.5/30

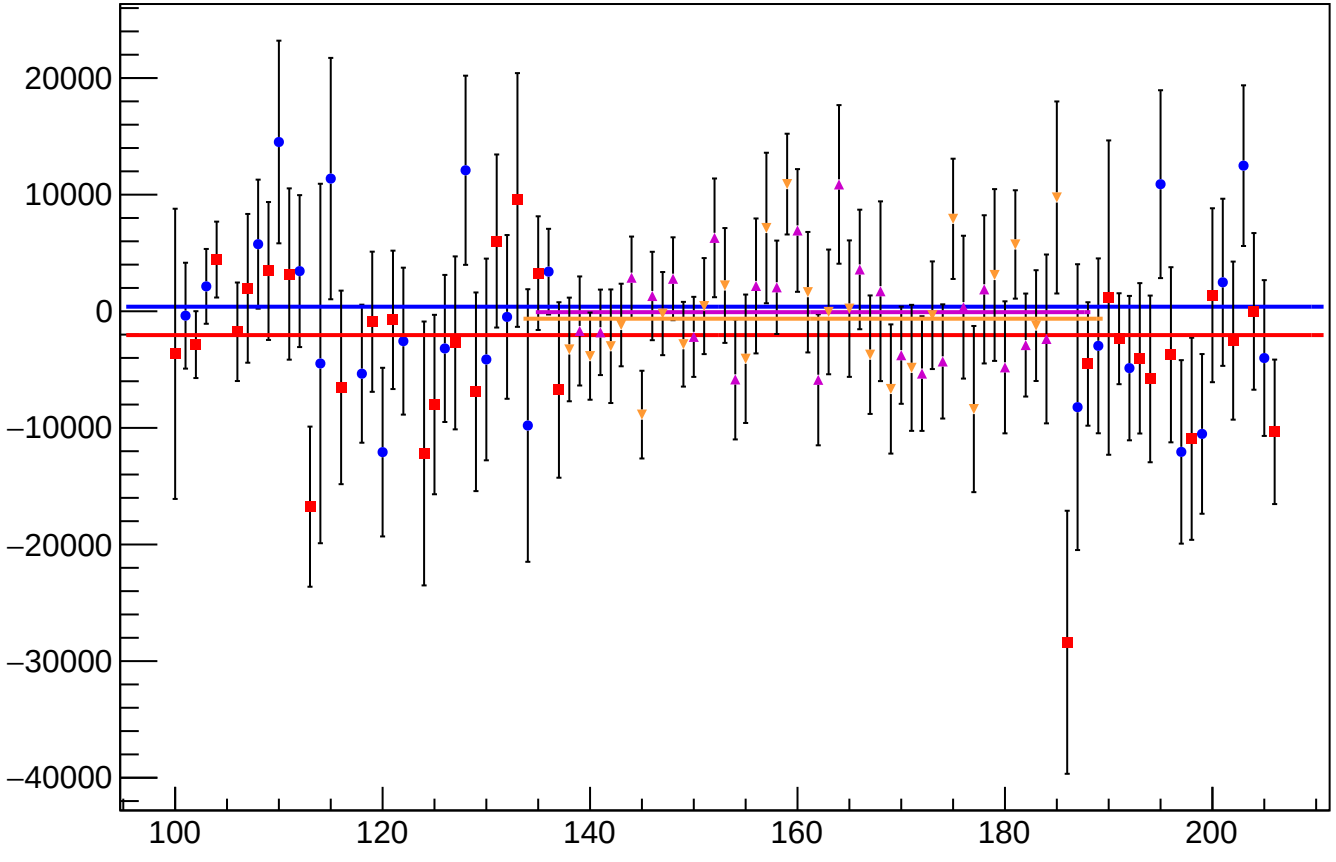
Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1865.852+/-0.229 χ^2/NDF: 767780.7/49

All: 1865.127+/-0.161 χ^2/NDF: 1205577.6/10

- sign 1864.426+/-0.225 χ^2/NDF: 437777.2/53

asym_atr_dd_reg_correction_mean vs Slug



Right In: 392.163+/-1266.565 χ^2/NDF: 25.4/24

Left Out: -637.703+/-946.866 χ^2/NDF:26.0/24

Right Out: -2042.548+/-1076.646 χ^2/NDF: 25.7/30

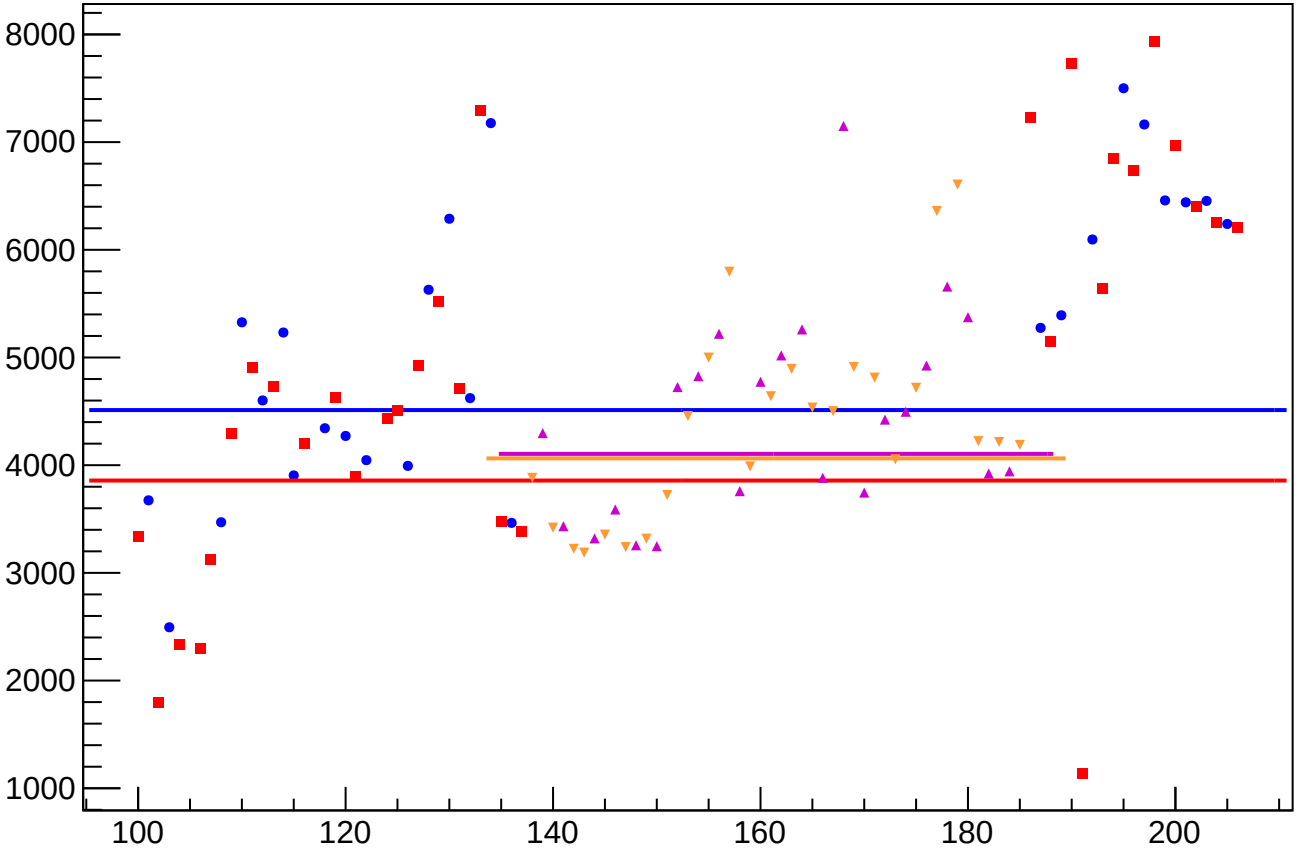
Left In: -75.764+/-980.243 χ^2/NDF:15.4/22

+ sign -268.480+/-758.371 χ^2/NDF: 51.8/49

All: -633.623+/-523.987 χ^2/NDF: 95.2/103

- sign -967.178+/-724.827 χ^2/NDF: 43.0/53

asym_atr_dd_reg_correction_rms vs Slug



Right In: 4511.831+/-0.896 χ^2/NDF: 2644612.8/24

Left Out: 4063.108+/-0.670 χ^2/NDF:1405036.2/24

Right Out: 3857.499+/-0.761 χ^2/NDF: 6123712.3/30

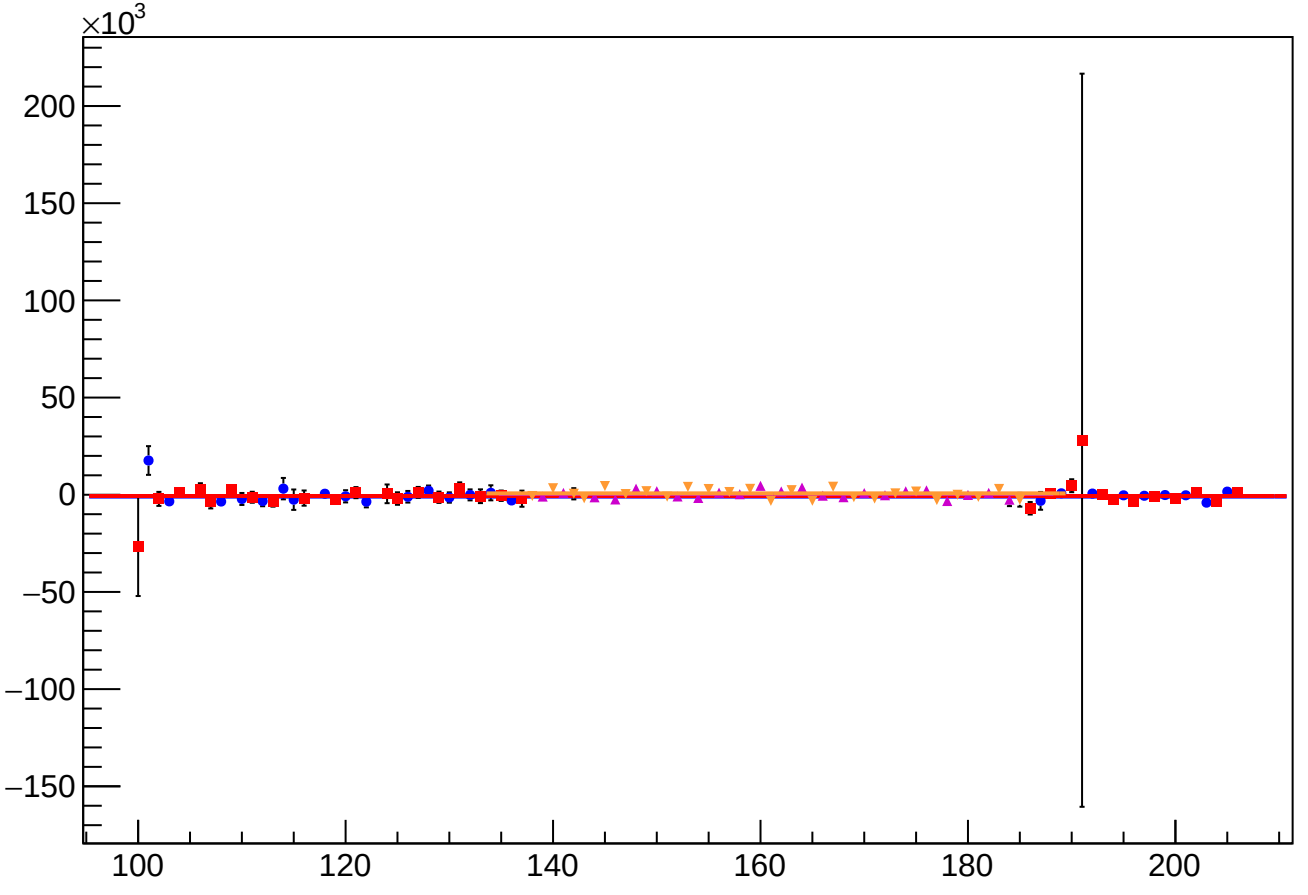
Left In: 4105.057+/-0.693 χ^2/NDF:1359493.1/22

+ sign 4223.983+/-0.536 χ^2/NDF: 4210683.0/49

All: 4103.194+/-0.371 χ^2/NDF: 11848786.4/1

- sign 3992.855+/-0.513 χ^2/NDF: 7541020.6/53

cor_asym_atr_dd_mean vs Slug



Right In: -934.886+/-518.933 χ^2/NDF: 19.4/24

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -643.821+/-481.667 χ^2/NDF: 23.3/30

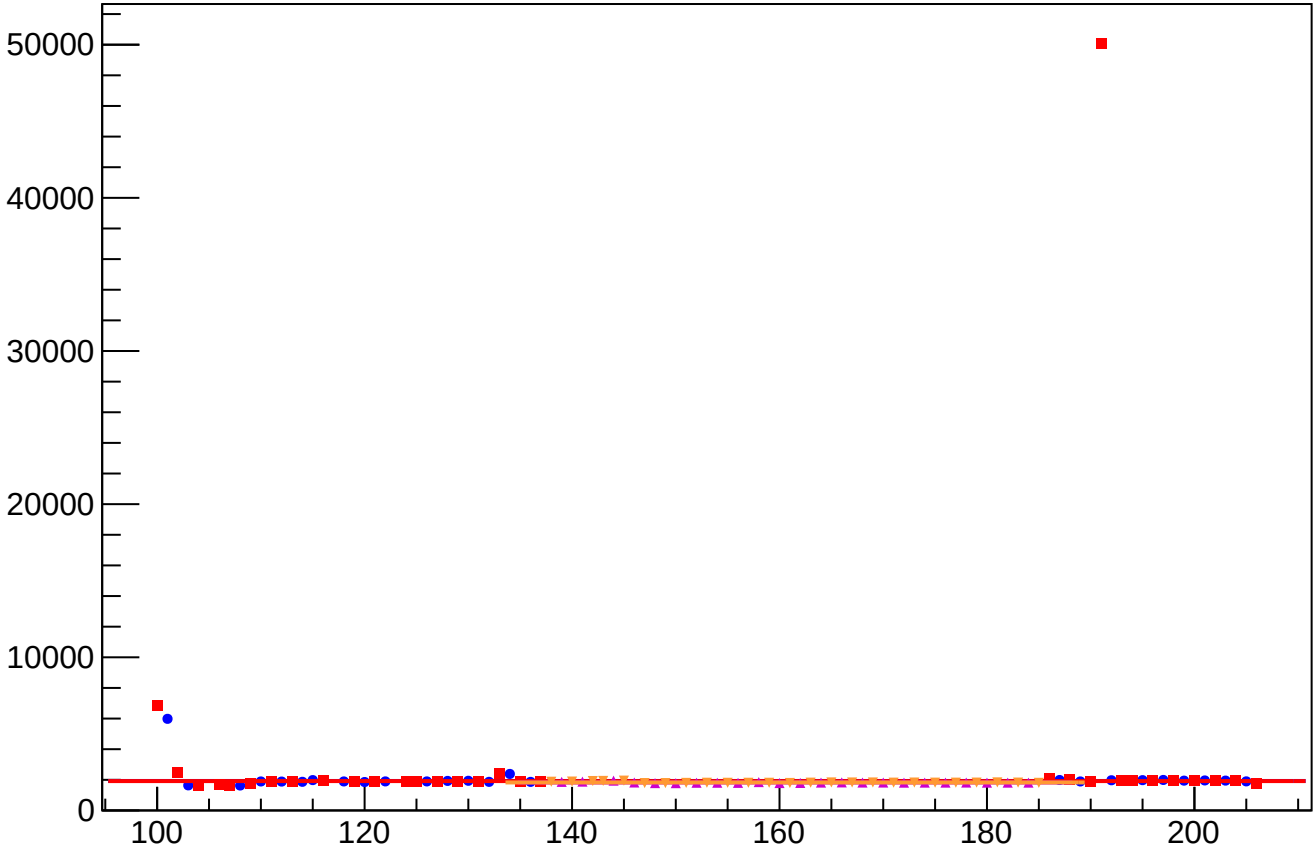
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 65.087+/-324.288 χ^2/NDF: 57.5/49

All: 3.219+/-227.483 χ^2/NDF: 104.2/103

- sign -56.721+/-319.192 χ^2/NDF: 46.7/53

cor_asym_atr_dd_rms vs Slug



Right In: 1924.549+/-0.367 χ^2/NDF: 706468.4/24

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

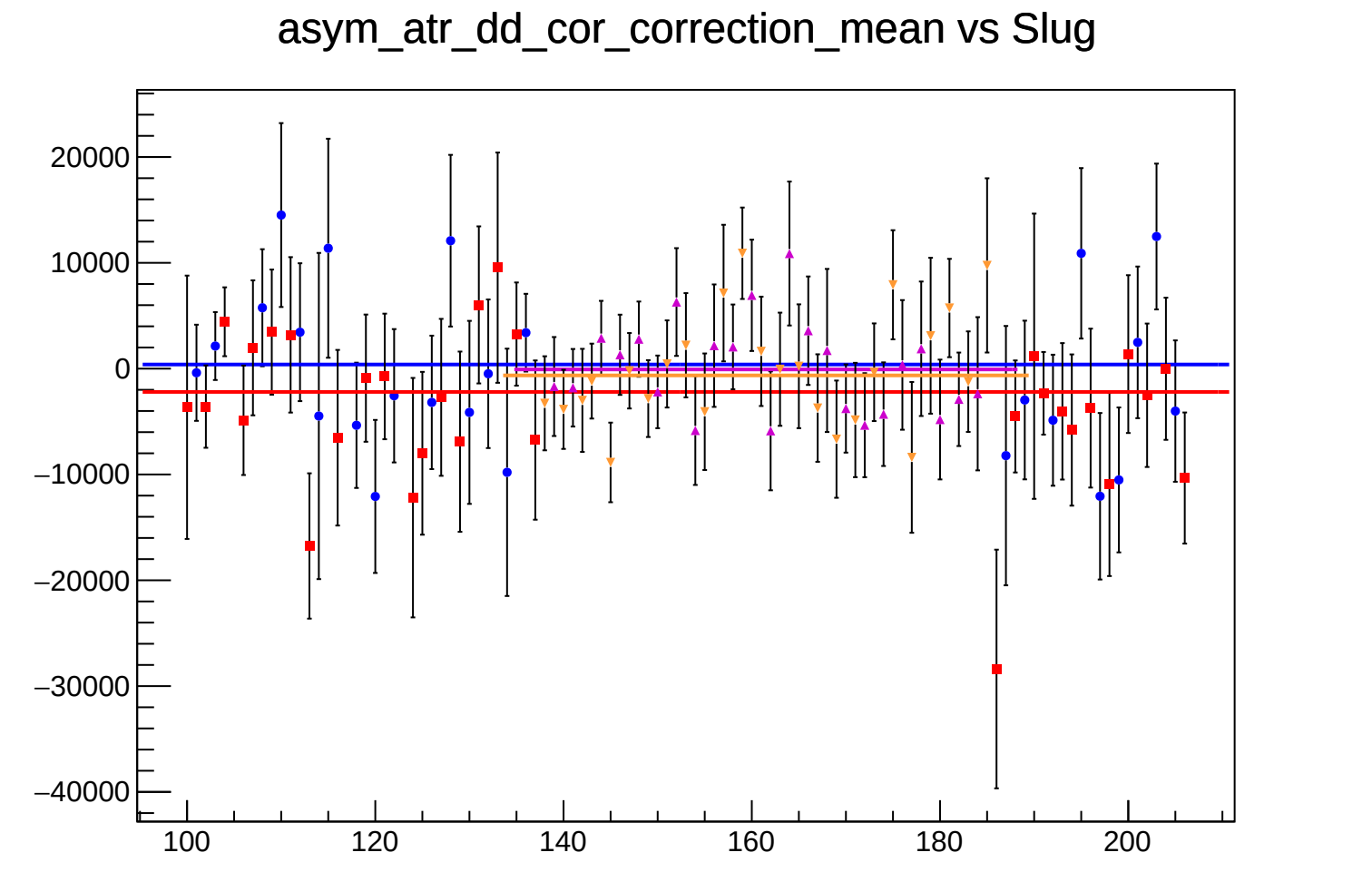
Right Out: 1917.637+/-0.340 χ^2/NDF: 392629.5/30

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1865.852+/-0.229 χ^2/NDF: 767780.8/49

All: 1865.829+/-0.161 χ^2/NDF: 1215147.6/10

- sign 1865.807+/-0.226 χ^2/NDF: 447366.8/53



Right In: 391.138+/-1266.673 χ^2/NDF: 25.4/24

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -2198.983+/-1126.355 χ^2/NDF: 26.1/30

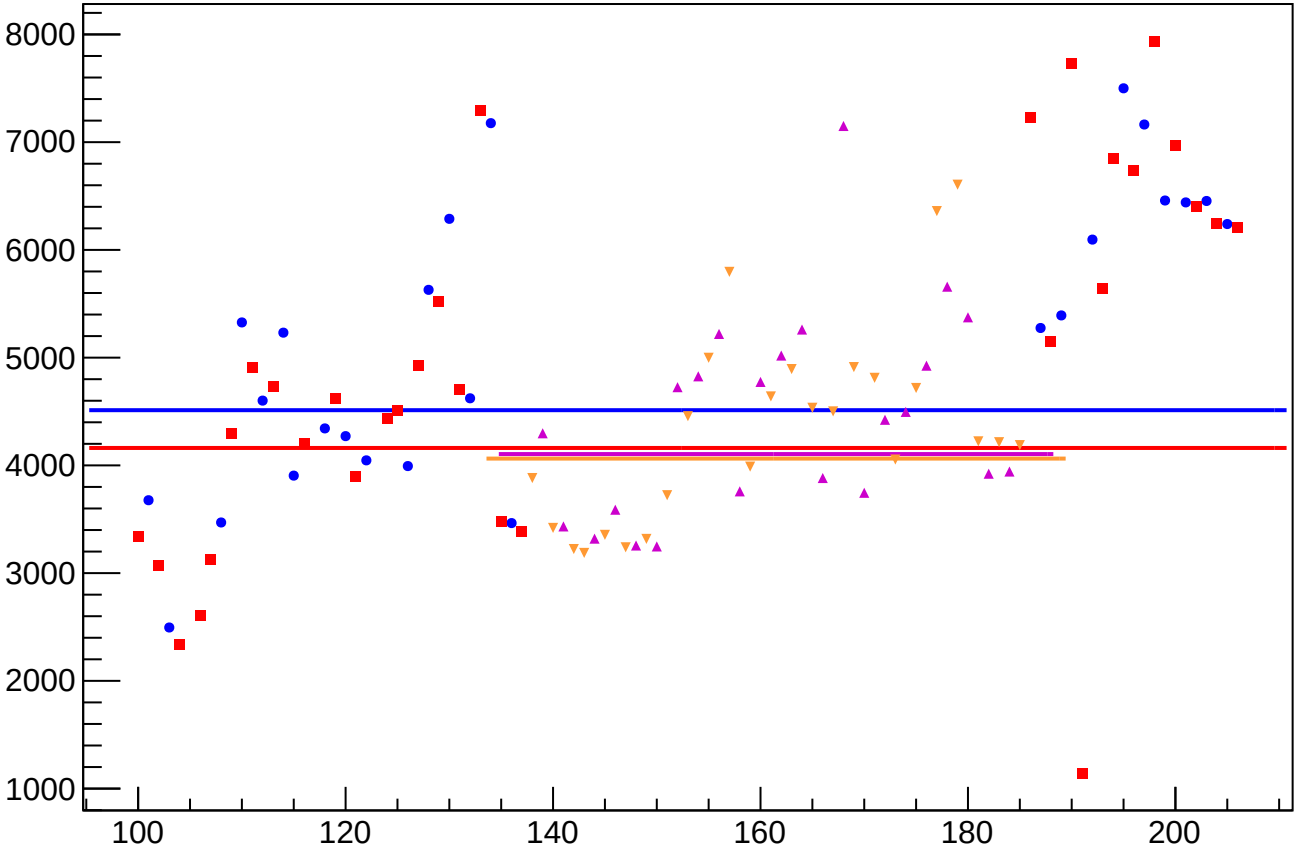
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -268.899+/-758.394 χ^2/NDF: 51.8/49

All: -638.999+/-529.435 χ^2/NDF: 95.8/103

- sign -990.826+/-739.435 χ^2/NDF: 43.6/53

asym_atr_dd_cor_correction_rms vs Slug



Right In: 4512.333+/-0.896 χ^2/NDF: 2643397.5/24

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

Right Out: 4161.727+/-0.796 χ^2/NDF: 4866972.3/30

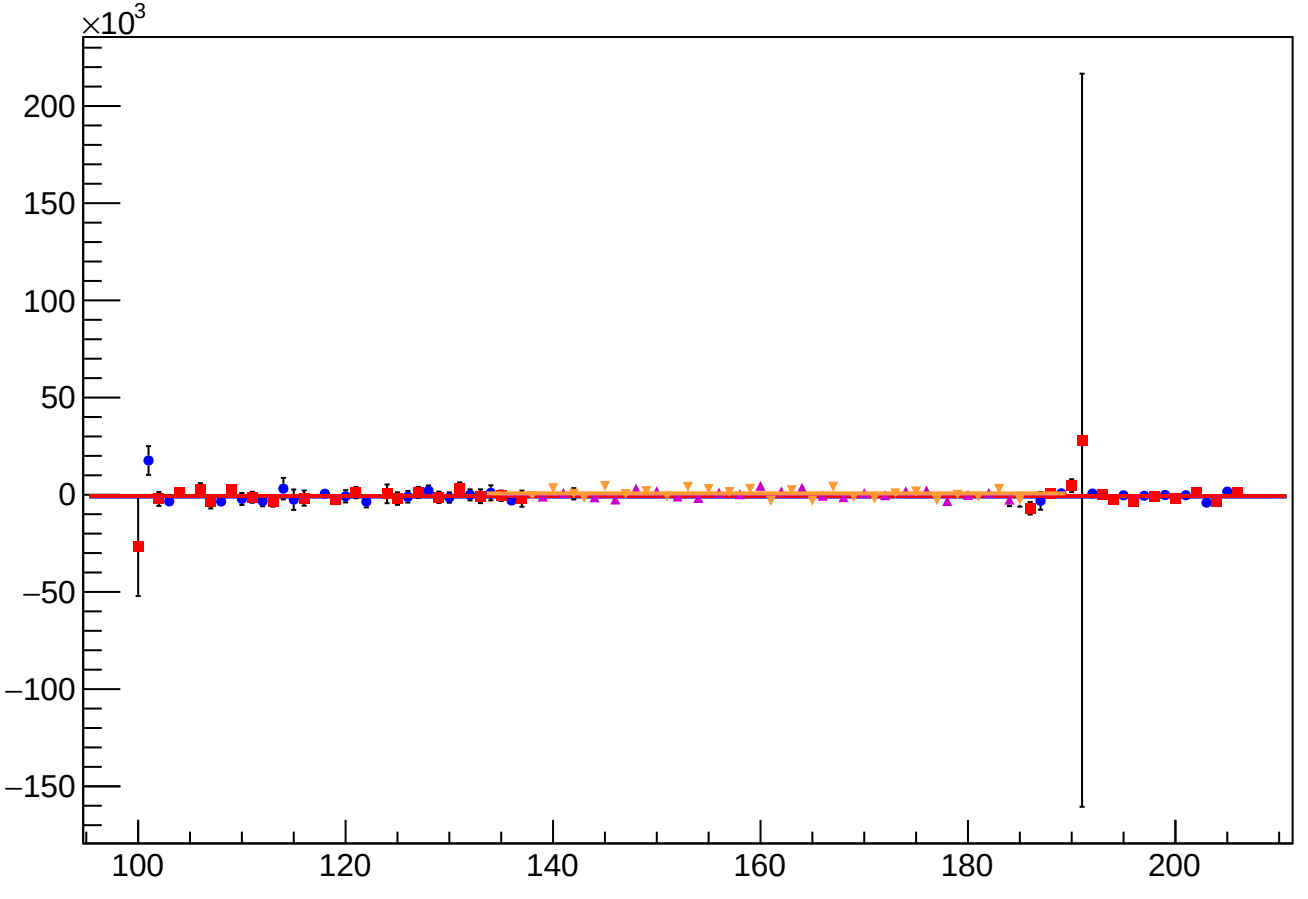
Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4224.143+/-0.536 χ^2/NDF: 4209806.6/49

All: 4175.611+/-0.374 χ^2/NDF: 10455138.2/1

- sign 4129.476+/-0.523 χ^2/NDF: 6229355.7/53

eigen_cor_asym_atr_dd_mean vs Slug



Right In: -934.886+/-518.933 χ^2/NDF: 19.4/24

Left Out: 705.801+/-415.383 χ^2/NDF:31.9/24

Right Out: -643.821+/-481.667 χ^2/NDF: 23.3/30

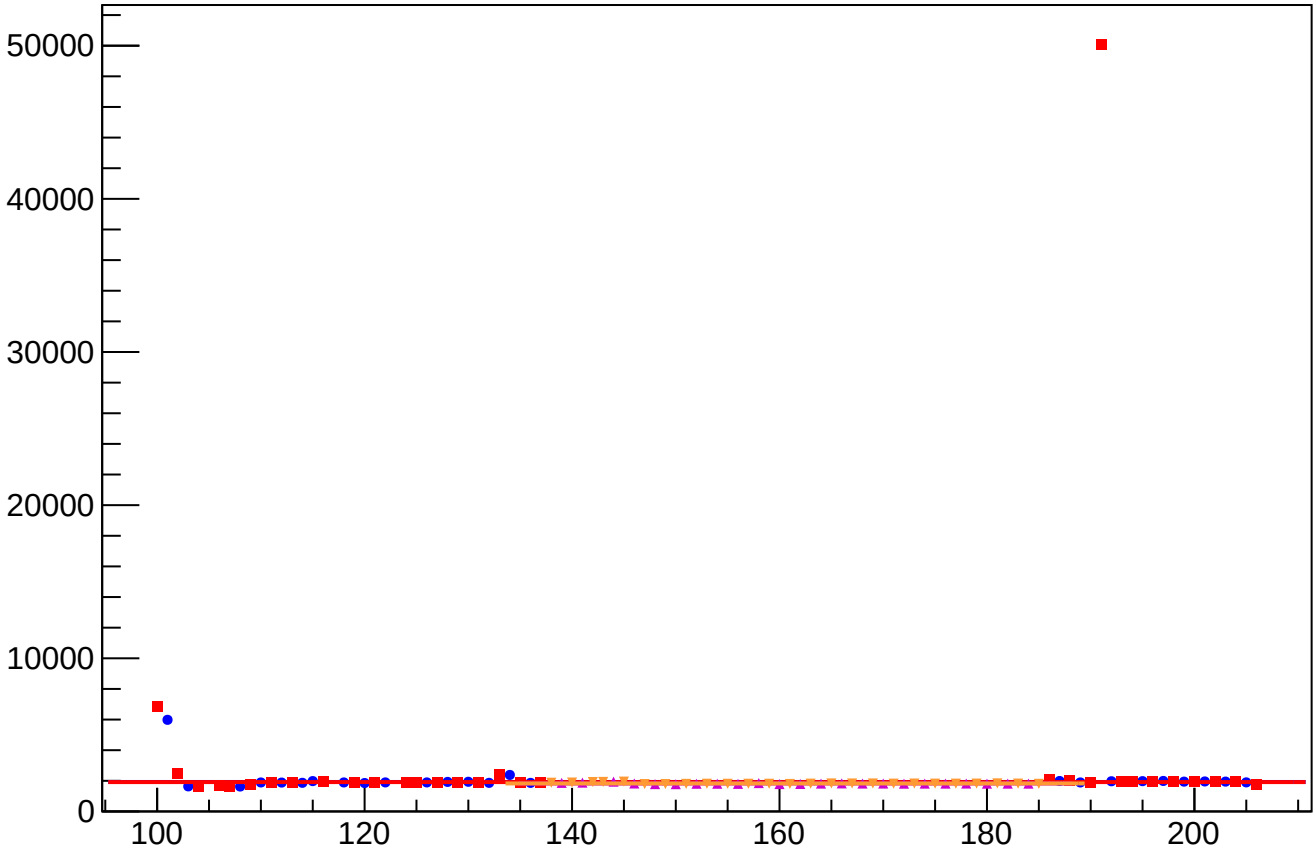
Left In: 402.981+/-426.215 χ^2/NDF:20.8/22

+ sign 65.087+/-324.288 χ^2/NDF: 57.5/49

All: 3.219+/-227.483 χ^2/NDF: 104.2/103

- sign -56.721+/-319.192 χ^2/NDF: 46.7/53

eigen_cor_asym_atr_dd_rms vs Slug



Right In: 1924.549+/-0.367 χ^2/NDF: 706468.4/24

Left Out: 1828.243+/-0.294 χ^2/NDF:19329.0/24

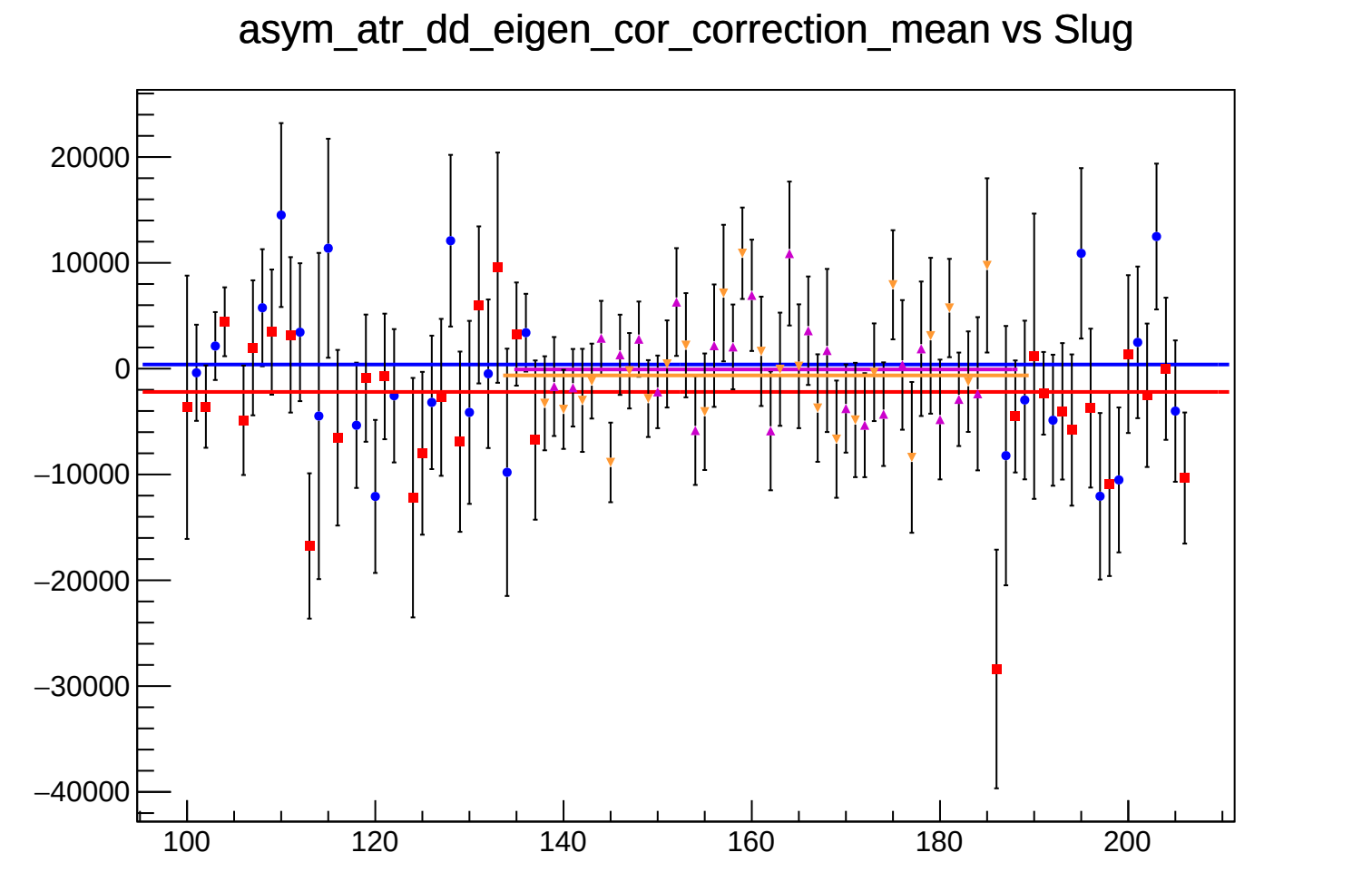
Right Out: 1917.637+/-0.340 χ^2/NDF: 392629.5/30

Left In: 1825.165+/-0.301 χ^2/NDF:13360.2/22

+ sign 1865.852+/-0.229 χ^2/NDF: 767780.8/49

All: 1865.829+/-0.161 χ^2/NDF: 1215147.6/10

- sign 1865.807+/-0.226 χ^2/NDF: 447366.8/53



Right In: 391.138+/-1266.673 χ^2/NDF: 25.4/24

Left Out: -637.720+/-946.866 χ^2/NDF:26.0/24

Right Out: -2198.983+/-1126.355 χ^2/NDF: 26.1/30

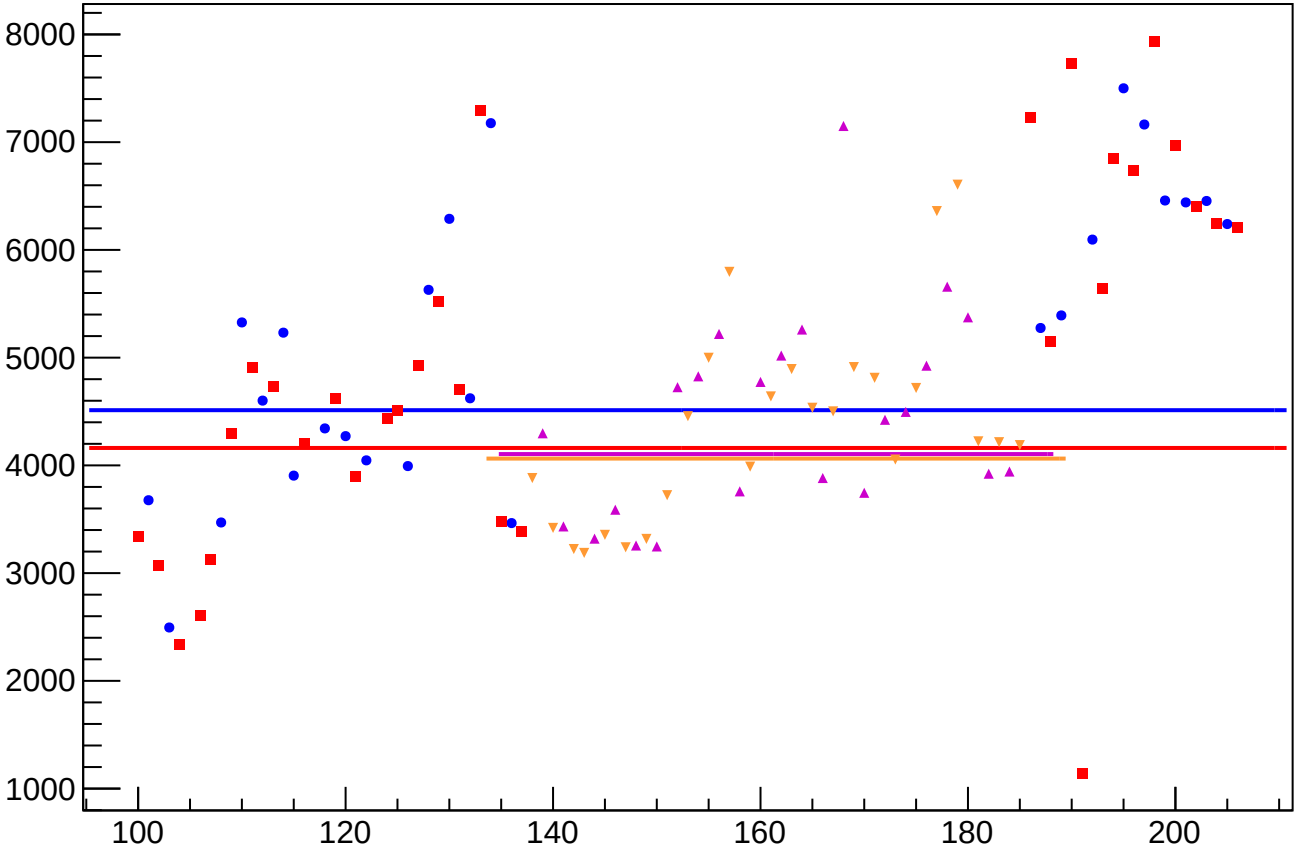
Left In: -75.789+/-980.241 χ^2/NDF:15.4/22

+ sign -268.899+/-758.394 χ^2/NDF: 51.8/49

All: -638.999+/-529.435 χ^2/NDF: 95.8/103

- sign -990.826+/-739.435 χ^2/NDF: 43.6/53

asym_atr_dd_eigen_cor_correction_rms vs Slug



Right In: 4512.333+/-0.896 χ^2/NDF: 2643397.5/24

Left Out: 4063.106+/-0.670 χ^2/NDF:1405030.5/24

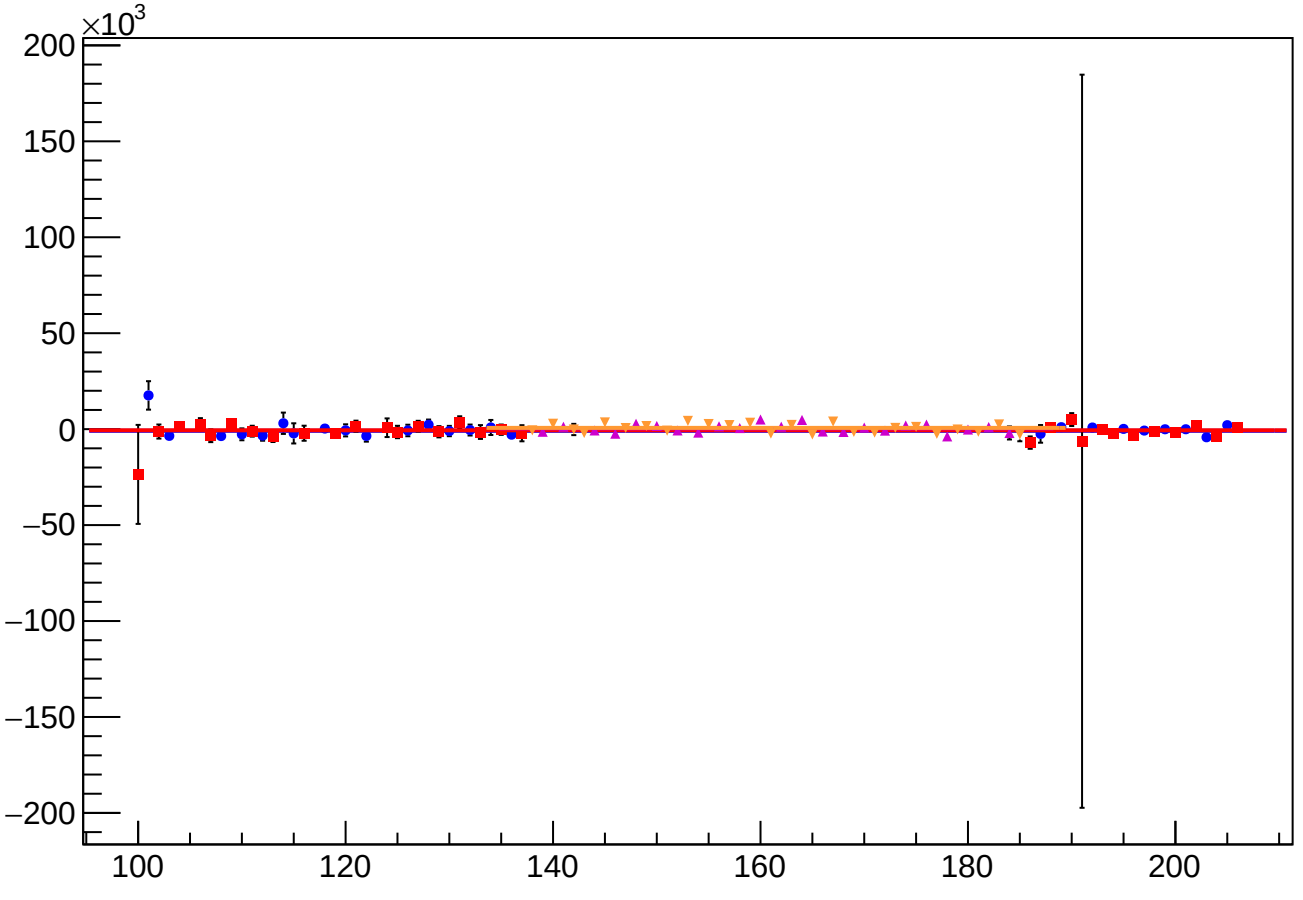
Right Out: 4161.727+/-0.796 χ^2/NDF: 4866972.3/30

Left In: 4105.050+/-0.693 χ^2/NDF:1359501.9/22

+ sign 4224.143+/-0.536 χ^2/NDF: 4209806.6/49

All: 4175.611+/-0.374 χ^2/NDF: 10455138.2/1

- sign 4129.476+/-0.523 χ^2/NDF: 6229355.7/53



Right In: -858.270+/-523.614 χ^2/NDF: 20.8/24

Left Out: 657.616+/-423.063 χ^2/NDF:27.0/24

Right Out: -594.058+/-486.348 χ^2/NDF: 25.0/30

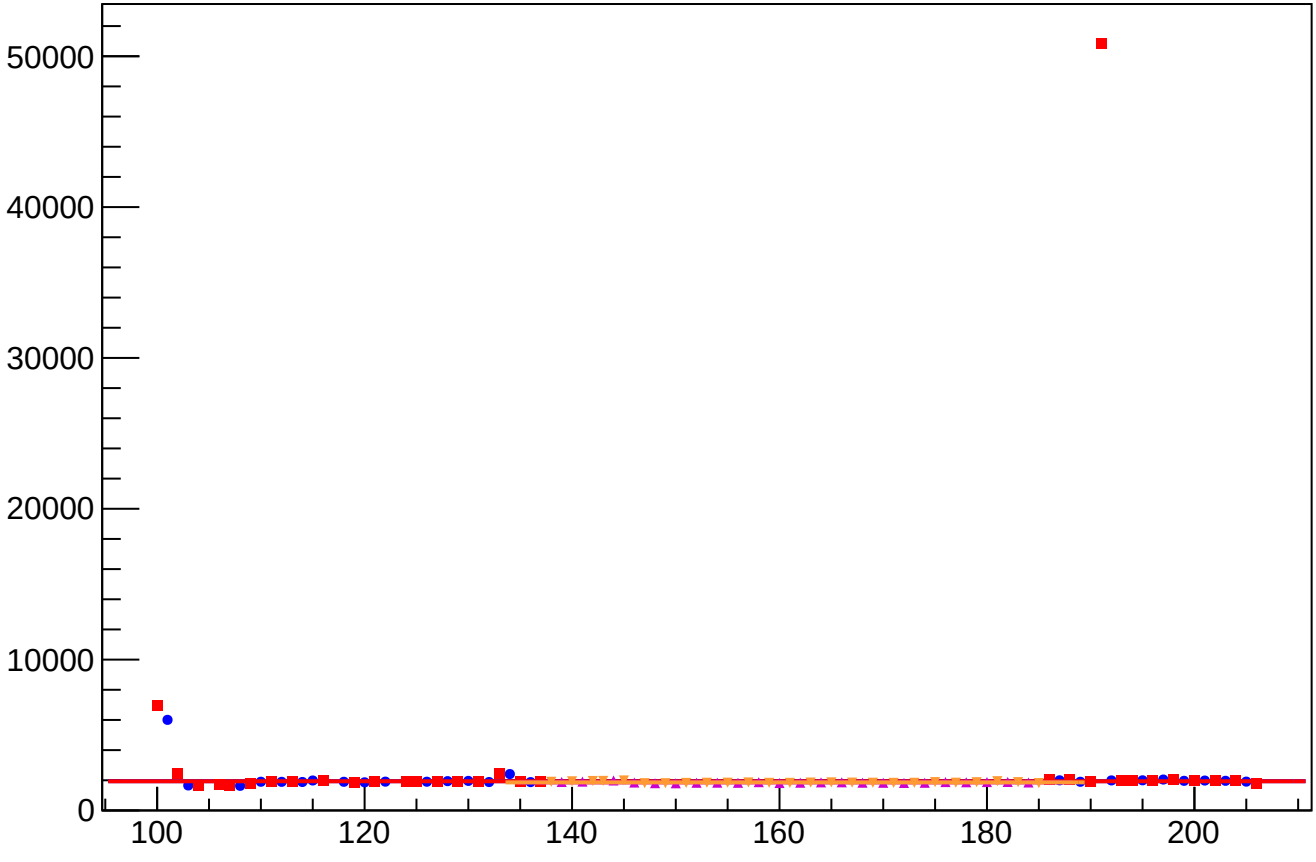
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 58.886+/-329.074 χ^2/NDF: 52.9/49

All: 11.455+/-230.787 χ^2/NDF: 103.9/103

- sign -34.455+/-323.756 χ^2/NDF: 51.0/53

dit_asym_atr_dd_rms vs Slug



Right In: 1941.728+/-0.370 χ^2/NDF: 709180.5/24

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

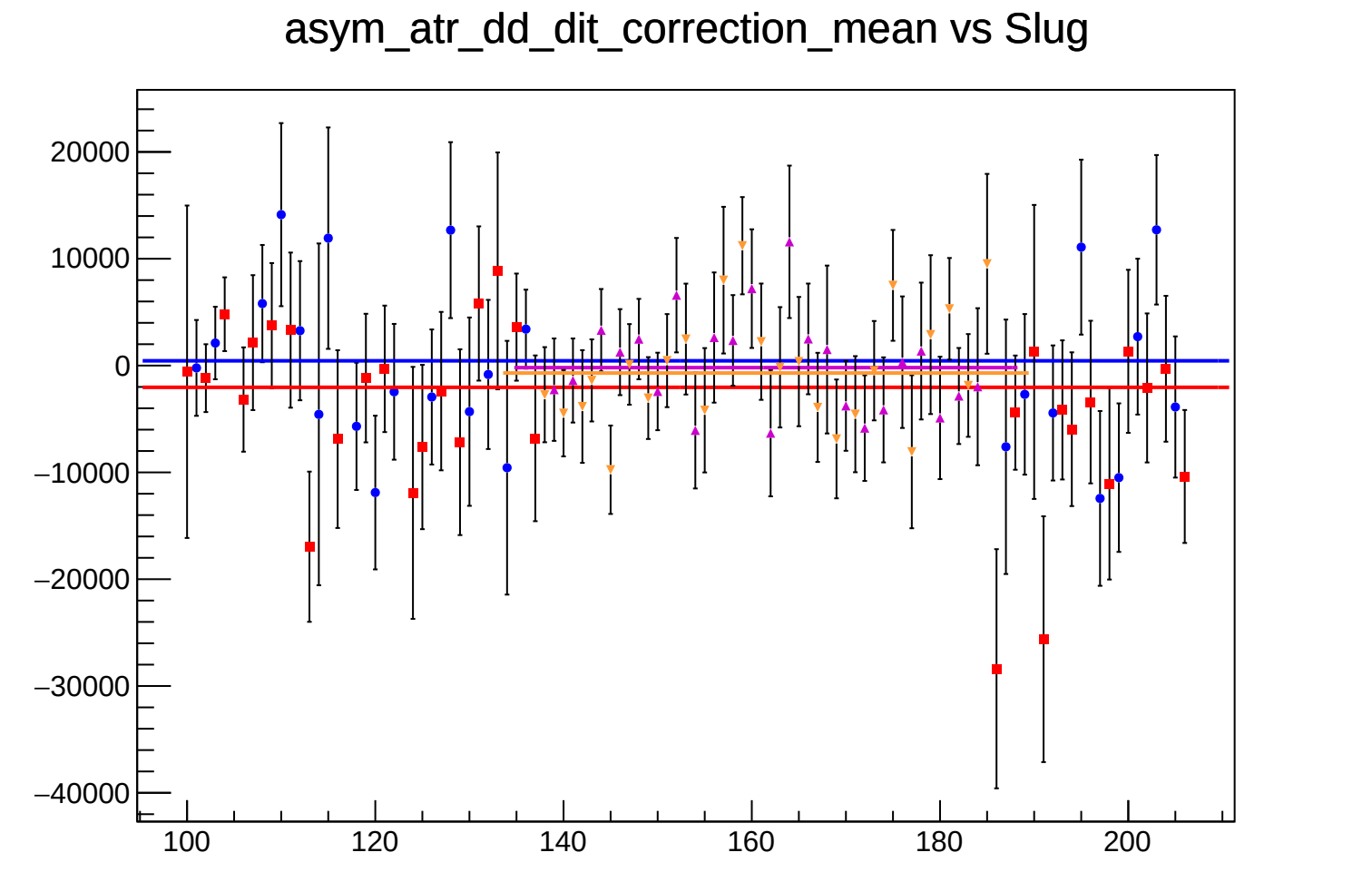
Right Out: 1935.632+/-0.344 χ^2/NDF: 402730.9/30

Left In: 1857.661+/-0.307 χ^2/NDF:16381.0/22

+ sign 1893.327+/-0.233 χ^2/NDF: 763440.1/49

All: 1892.771+/-0.163 χ^2/NDF: 1211204.3/10

- sign 1892.232+/-0.229 χ^2/NDF: 447752.9/53



Right In: 445.806+/-1282.249 χ^2/NDF: 25.1/24

Left Out: -698.287+/-990.035 χ^2/NDF:25.3/24

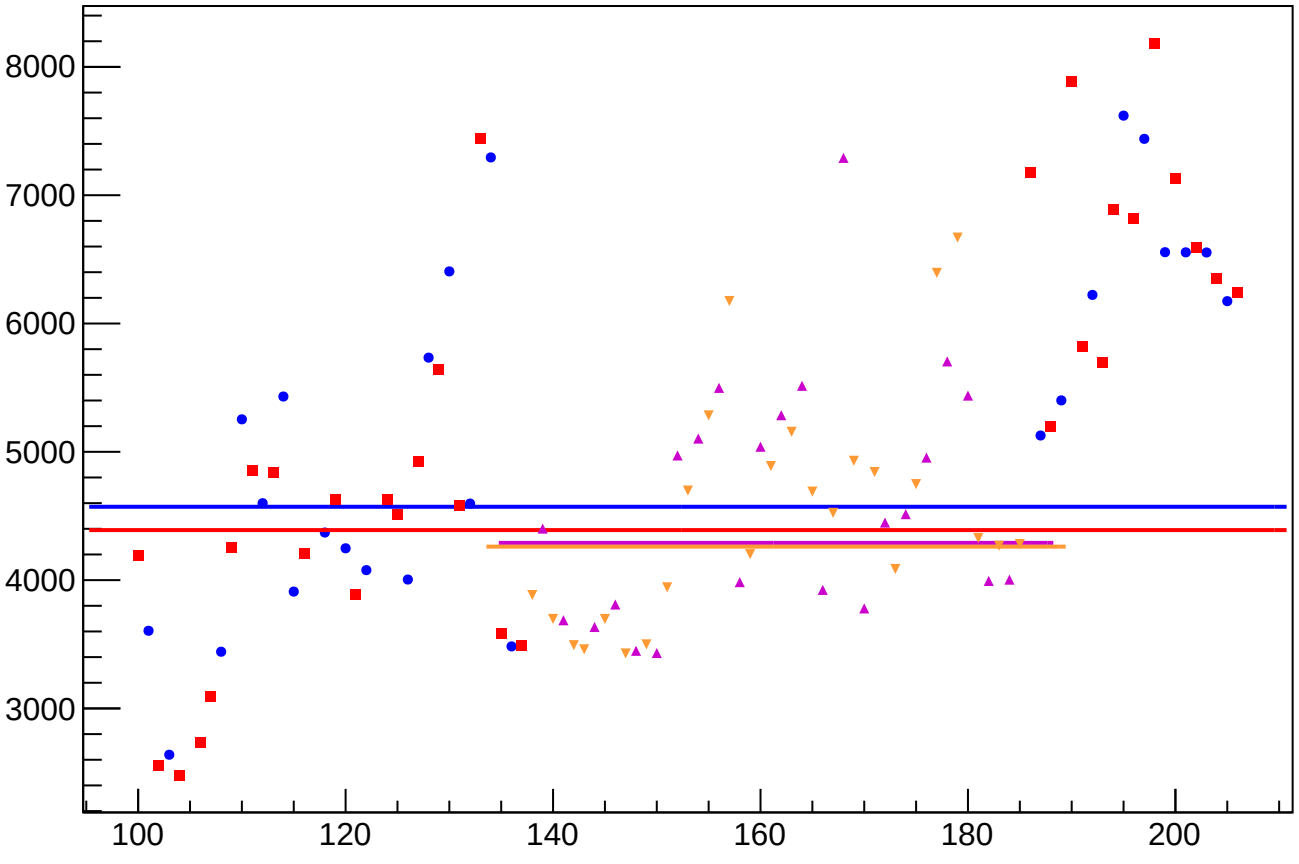
Right Out: -2036.970+/-1158.190 χ^2/NDF: 29.8/30

Left In: -192.486+/-1022.469 χ^2/NDF:15.2/22

+ sign -270.976+/-783.634 χ^2/NDF: 50.9/49

All: -643.731+/-547.958 χ^2/NDF: 97.8/103

- sign -1000.373+/-766.510 χ^2/NDF: 46.4/53



Right In: 4571.747+/-0.907 χ^2/NDF: 2568452.8/24

Left Out: 4261.124+/-0.700 χ^2/NDF:1190561.4/24

Right Out: 4389.988+/-0.819 χ^2/NDF: 3928900.7/30

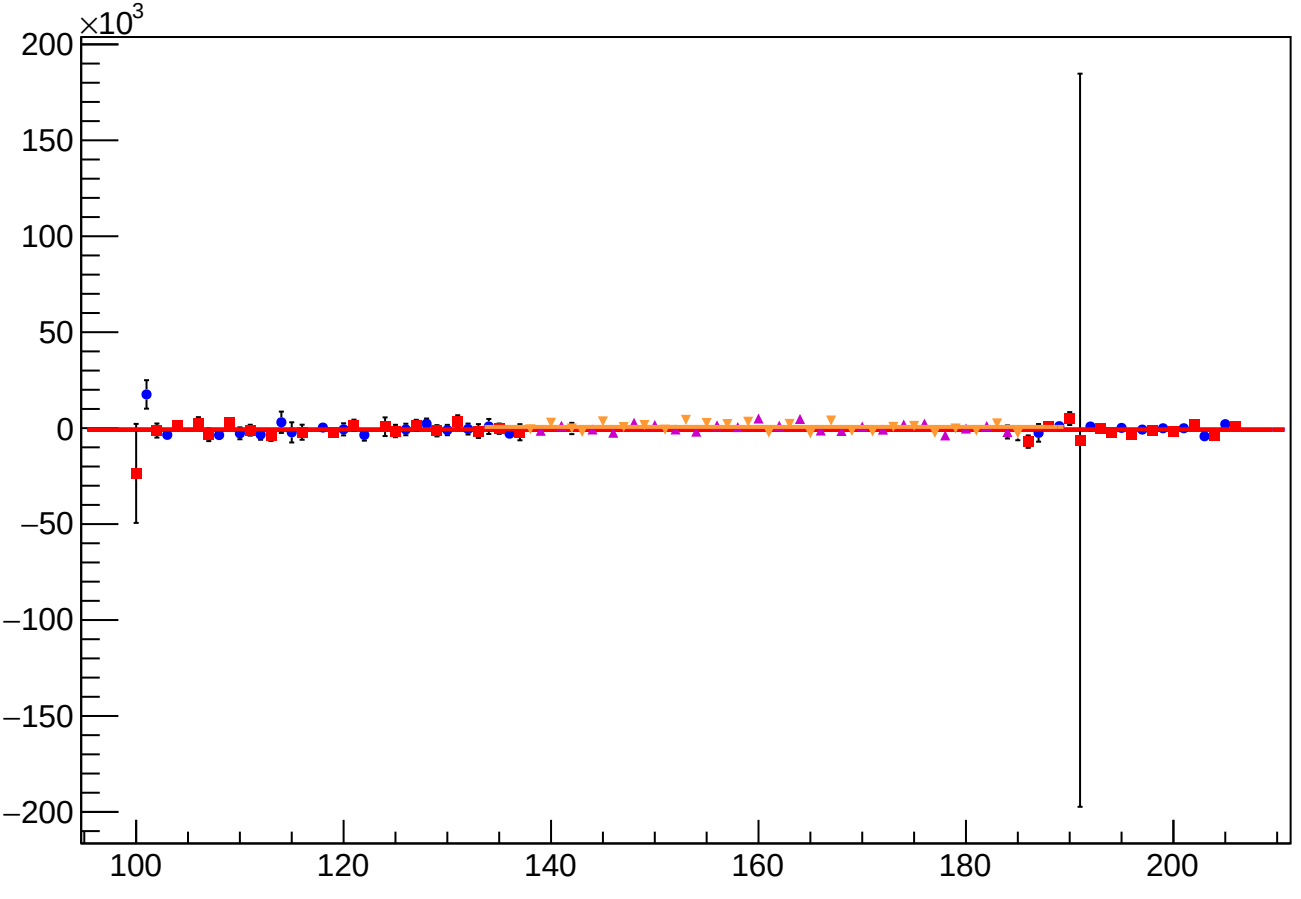
Left In: 4290.398+/-0.723 χ^2/NDF:1213964.7/22

+ sign 4377.140+/-0.554 χ^2/NDF: 3832546.8/49

All: 4355.103+/-0.387 χ^2/NDF: 8986817.7/10

- sign 4334.018+/-0.542 χ^2/NDF: 5151176.0/53

eigen_dit_asym_atr_dd_mean vs Slug



Right In: -858.271+/-523.614 χ^2/NDF: 20.8/24

Left Out: 657.622+/-423.063 χ^2/NDF:27.0/24

Right Out: -594.056+/-486.348 χ^2/NDF: 25.0/30

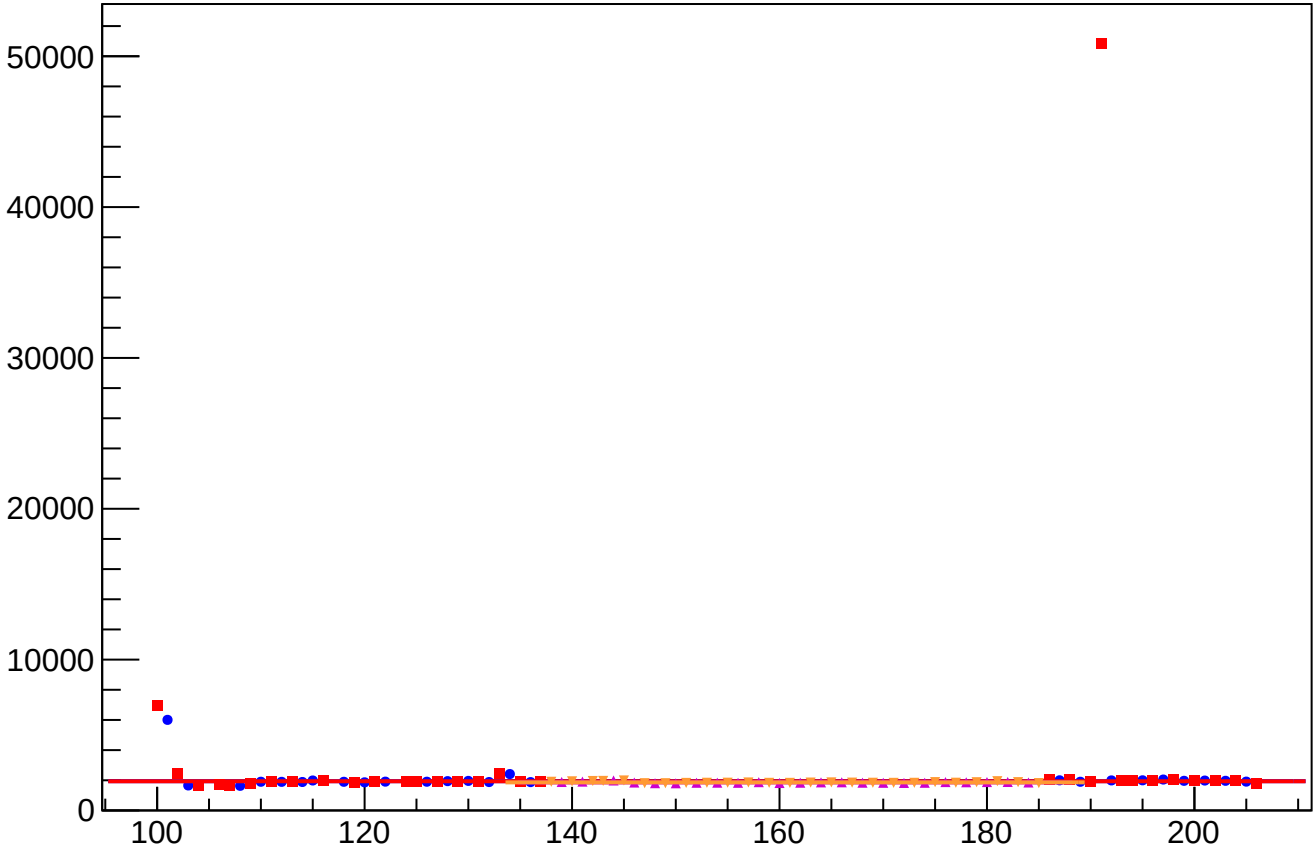
Left In: 410.869+/-433.856 χ^2/NDF:23.6/22

+ sign 58.889+/-329.074 χ^2/NDF: 52.9/49

All: 11.457+/-230.787 χ^2/NDF: 103.9/103

- sign -34.455+/-323.756 χ^2/NDF: 51.0/53

eigen_dit_asym_atr_dd_rms vs Slug



Right In: 1941.728+/-0.370 χ^2/NDF: 709180.4/24

Left Out: 1861.731+/-0.299 χ^2/NDF:26014.9/24

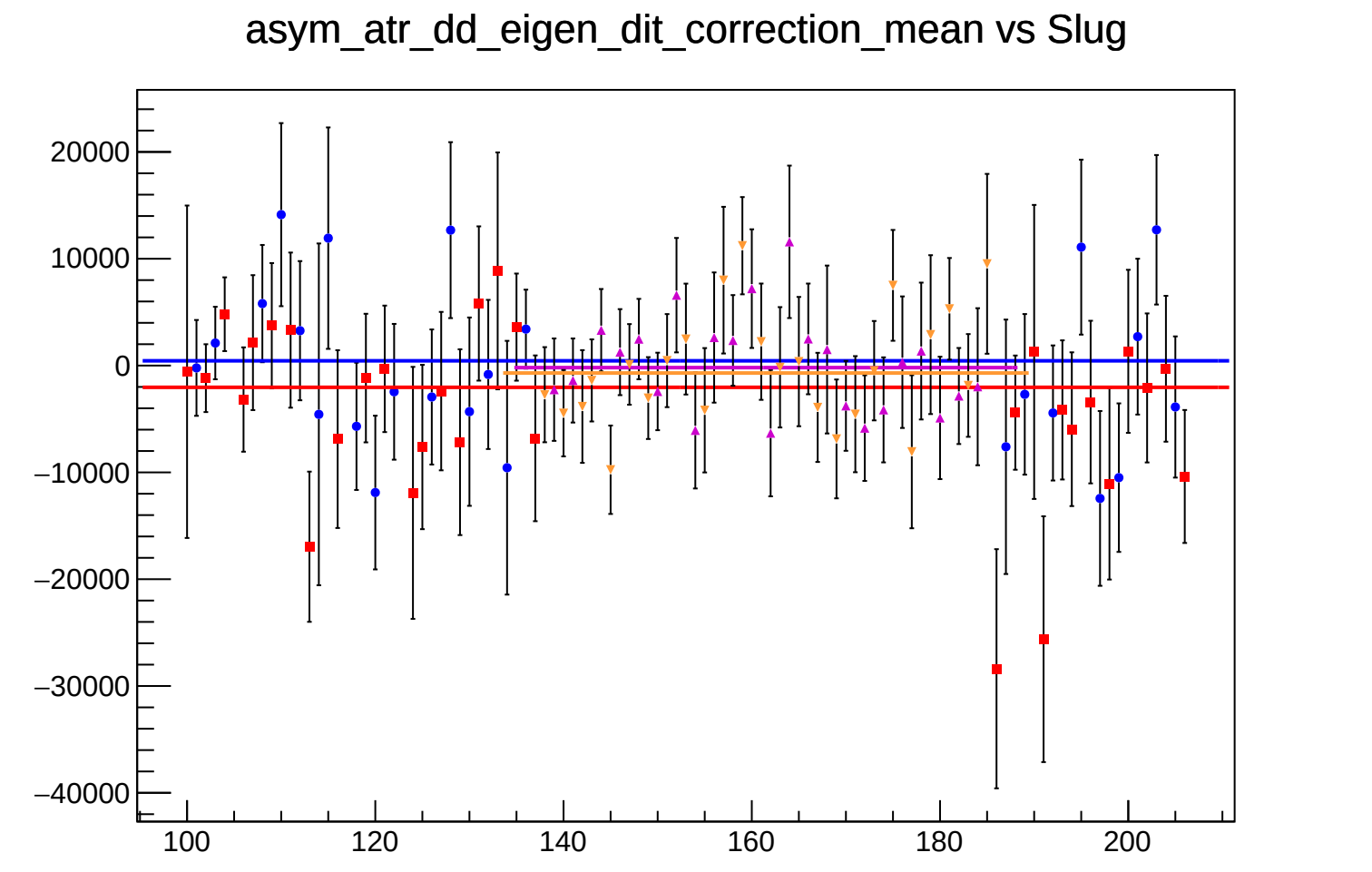
Right Out: 1935.632+/-0.344 χ^2/NDF: 402731.1/30

Left In: 1857.661+/-0.307 χ^2/NDF:16380.9/22

+ sign 1893.328+/-0.233 χ^2/NDF: 763439.6/49

All: 1892.771+/-0.163 χ^2/NDF: 1211203.5/10

- sign 1892.233+/-0.229 χ^2/NDF: 447752.6/53



Right In: 445.796+/-1282.248 χ^2/NDF: 25.1/24

Left Out: -698.285+/-990.036 χ^2/NDF:25.3/24

Right Out: -2036.968+/-1158.190 χ^2/NDF: 29.8/30

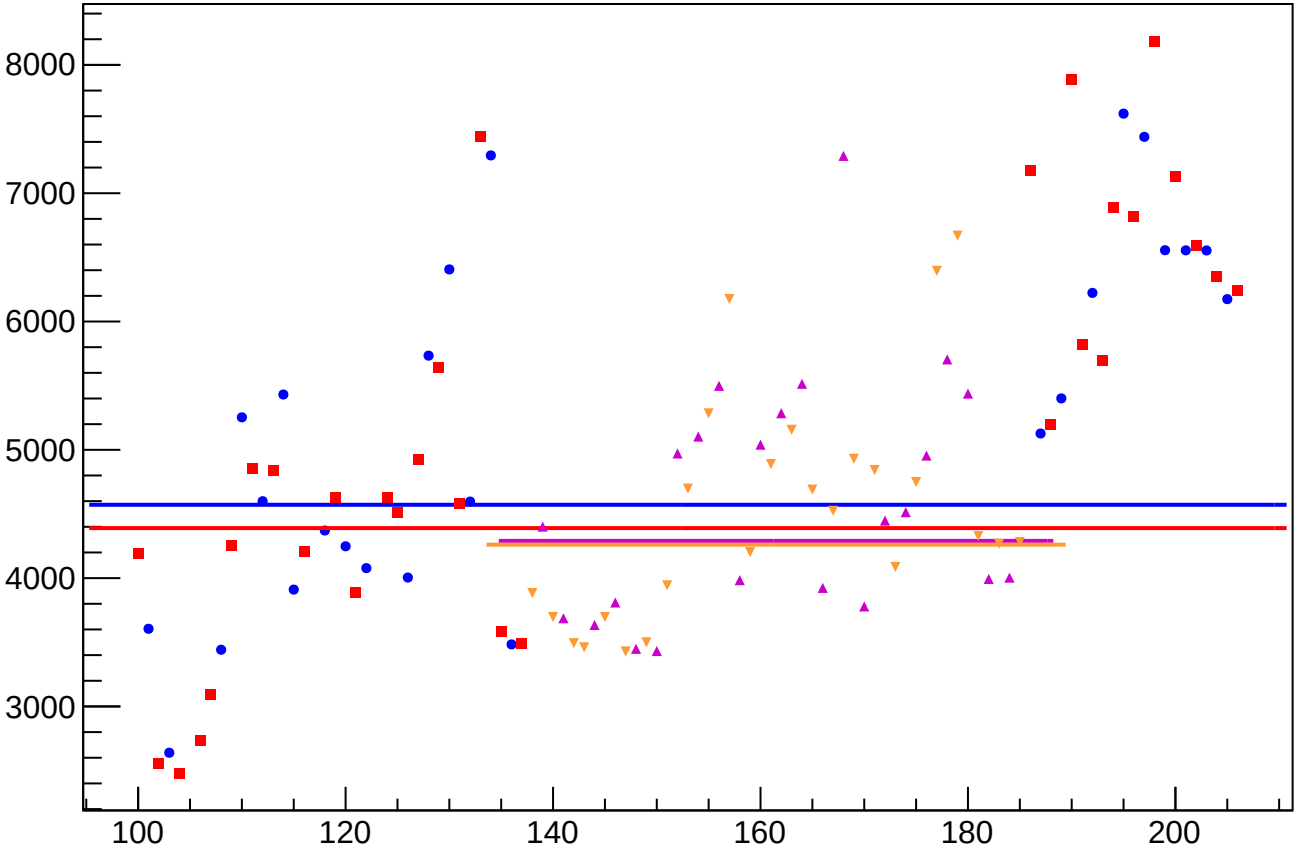
Left In: -192.488+/-1022.471 χ^2/NDF:15.2/22

+ sign -270.978+/-783.635 χ^2/NDF: 50.9/49

All: -643.733+/-547.959 χ^2/NDF: 97.8/103

- sign -1000.375+/-766.511 χ^2/NDF: 46.4/53

asym_atr_dd_eigen_dit_correction_rms vs Slug



Right In: 4571.745+/-0.907 χ^2/NDF: 2568456.3/24

Left Out: 4261.131+/-0.700 χ^2/NDF:1190564.2/24

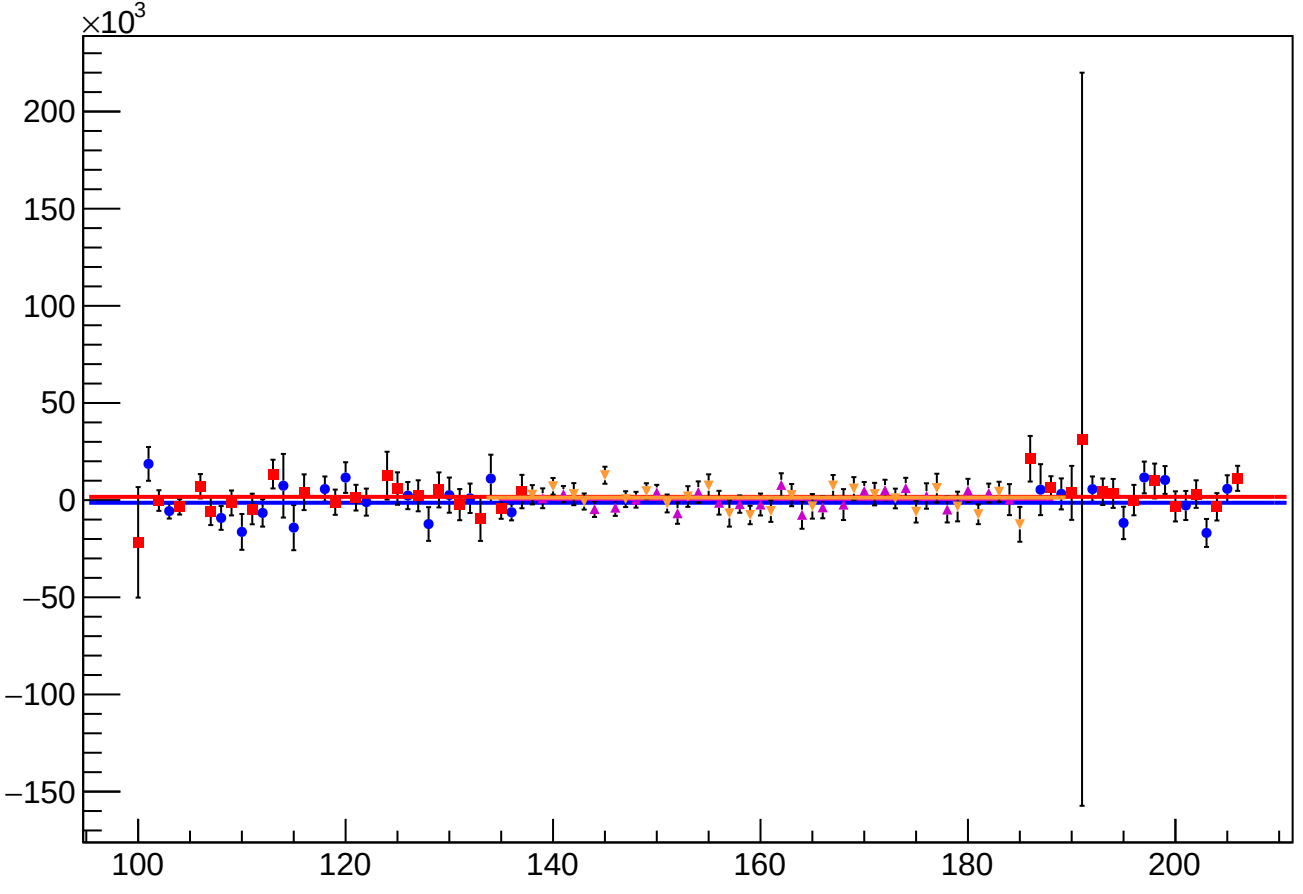
Right Out: 4389.985+/-0.819 χ^2/NDF: 3928904.9/30

Left In: 4290.404+/-0.723 χ^2/NDF:1213970.5/22

+ sign 4377.143+/-0.554 χ^2/NDF: 3832548.9/49

All: 4355.106+/-0.387 χ^2/NDF: 8986828.5/10

- sign 4334.021+/-0.542 χ^2/NDF: 5151184.6/53



Right In: -1346.650+/-1428.980 χ^2/NDF: 35.5/24

Left Out: 1298.373+/-1049.555 χ^2/NDF:28.5/24

Right Out: 1685.997+/-1322.386 χ^2/NDF: 19.3/30

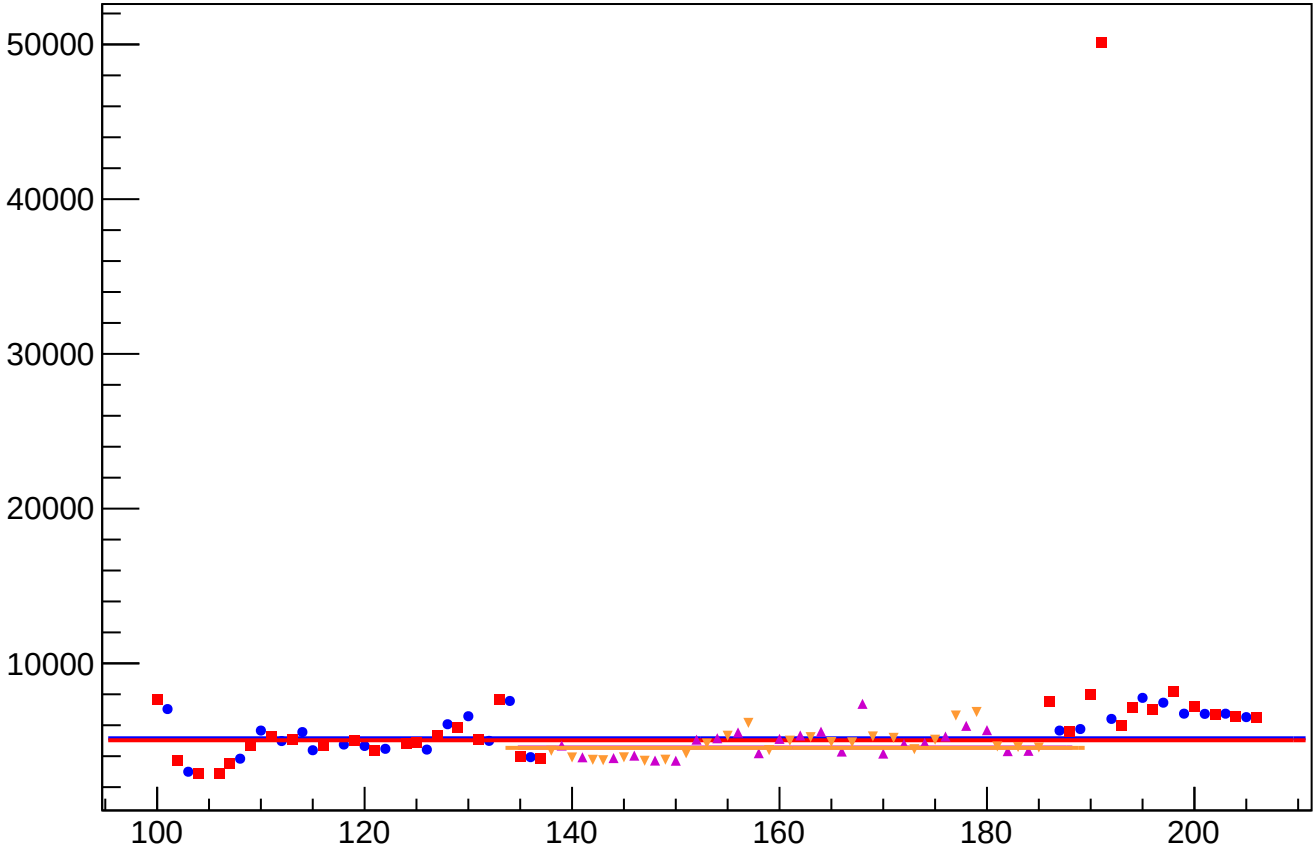
Left In: 576.442+/-1082.127 χ^2/NDF:14.4/22

+ sign 371.501+/-845.904 χ^2/NDF: 66.2/49

All: 699.733+/-595.139 χ^2/NDF: 100.6/103

- sign 1021.449+/-837.466 χ^2/NDF: 34.1/53

asym_atr_dd_rms vs Slug



Right In: 5157.097+/-1.010 χ^2/NDF: 2013739.2/24

Left Out: 4537.934+/-0.742 χ^2/NDF:992905.4/24

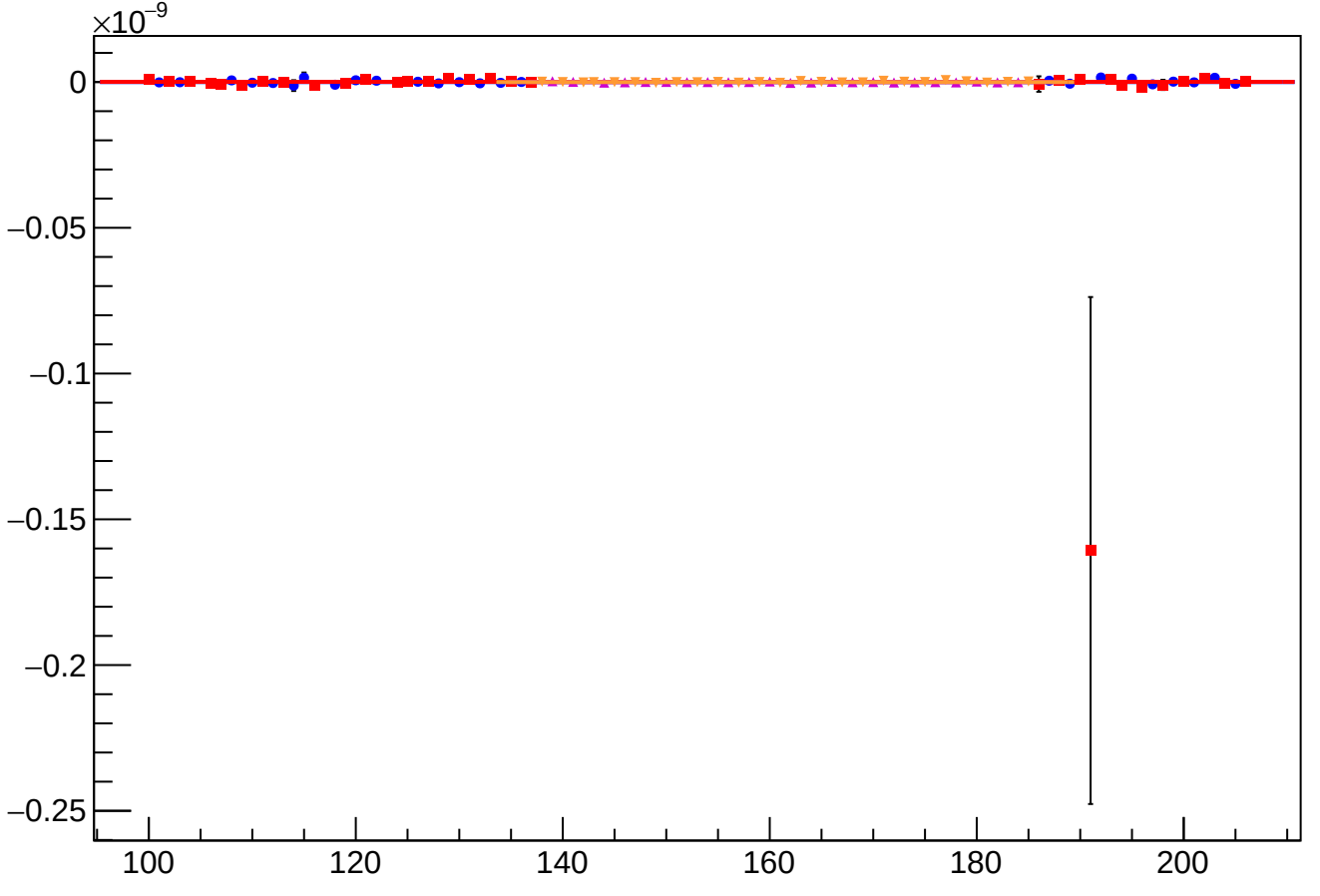
Right Out: 5029.219+/-0.930 χ^2/NDF: 2739015.8/30

Left In: 4560.506+/-0.765 χ^2/NDF:980201.3/22

+ sign 4754.902+/-0.598 χ^2/NDF: 3250549.1/49

All: 4752.280+/-0.420 χ^2/NDF: 7121278.0/10

- sign 4749.722+/-0.591 χ^2/NDF: 3870690.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 21.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/24

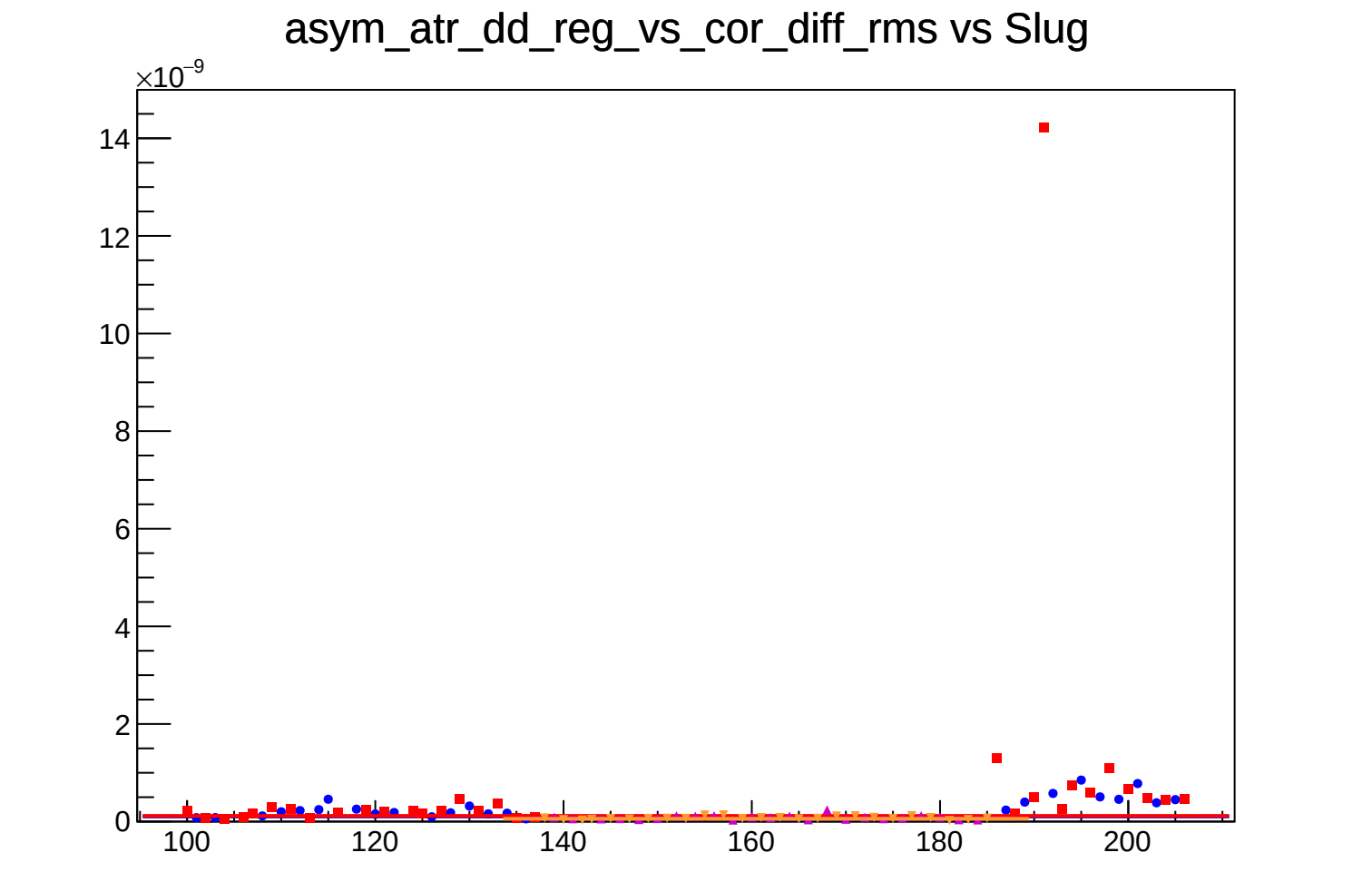
Right Out: 0.000+/-0.000 χ^2/NDF: 36.2/30

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.9/49

All: -0.000+/-0.000 χ^2/NDF: 118.7/103

- sign -0.000+/-0.000 χ^2/NDF: 58.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 4822342.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:1934390.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6112471.9/30

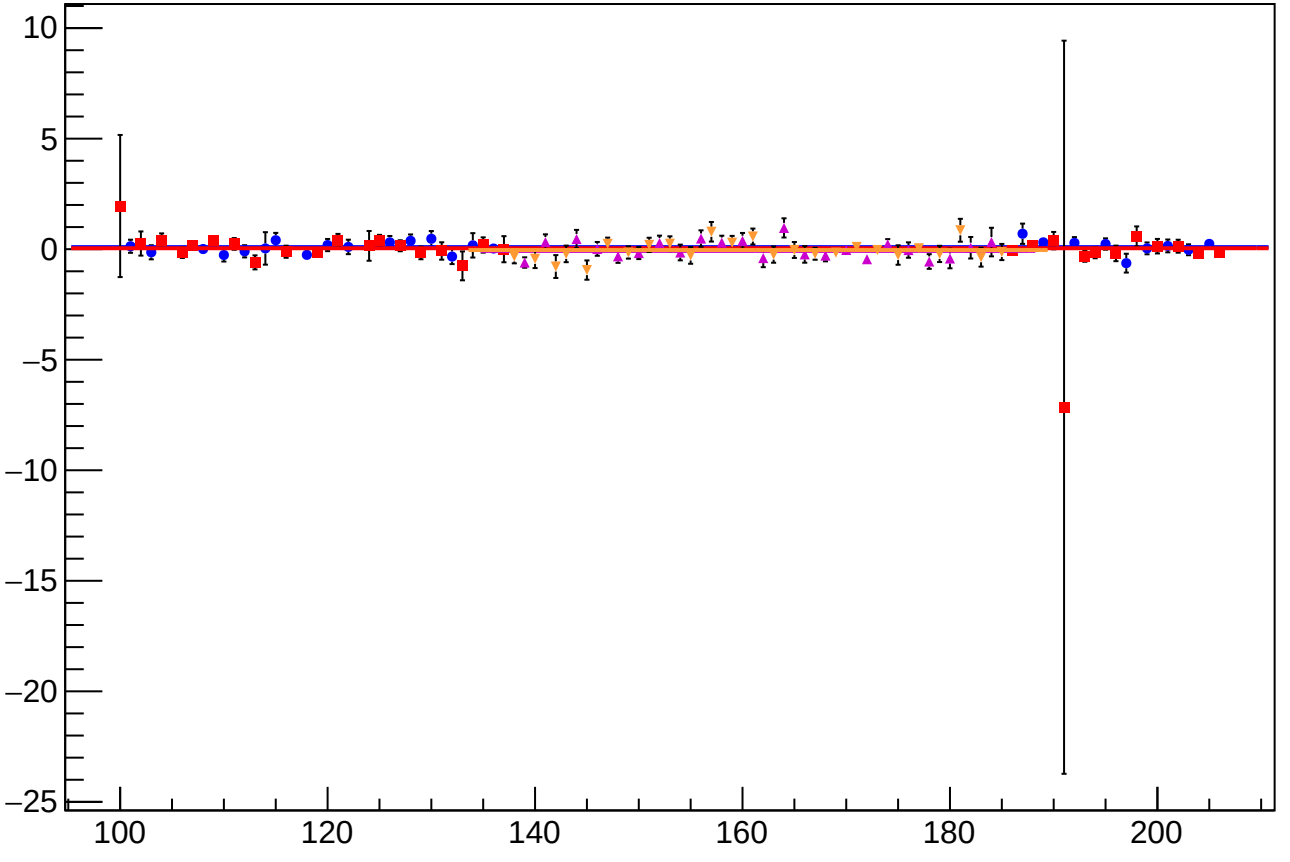
Left In: 0.000+/-0.000 χ^2/NDF:2104577.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7767445.7/49

All: 0.000+/-0.000 χ^2/NDF: 17375658.9/103

- sign 0.000+/-0.000 χ^2/NDF: 9600563.4/53

asym_atr_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.043+/-0.048 χ^2/NDF: 27.9/30

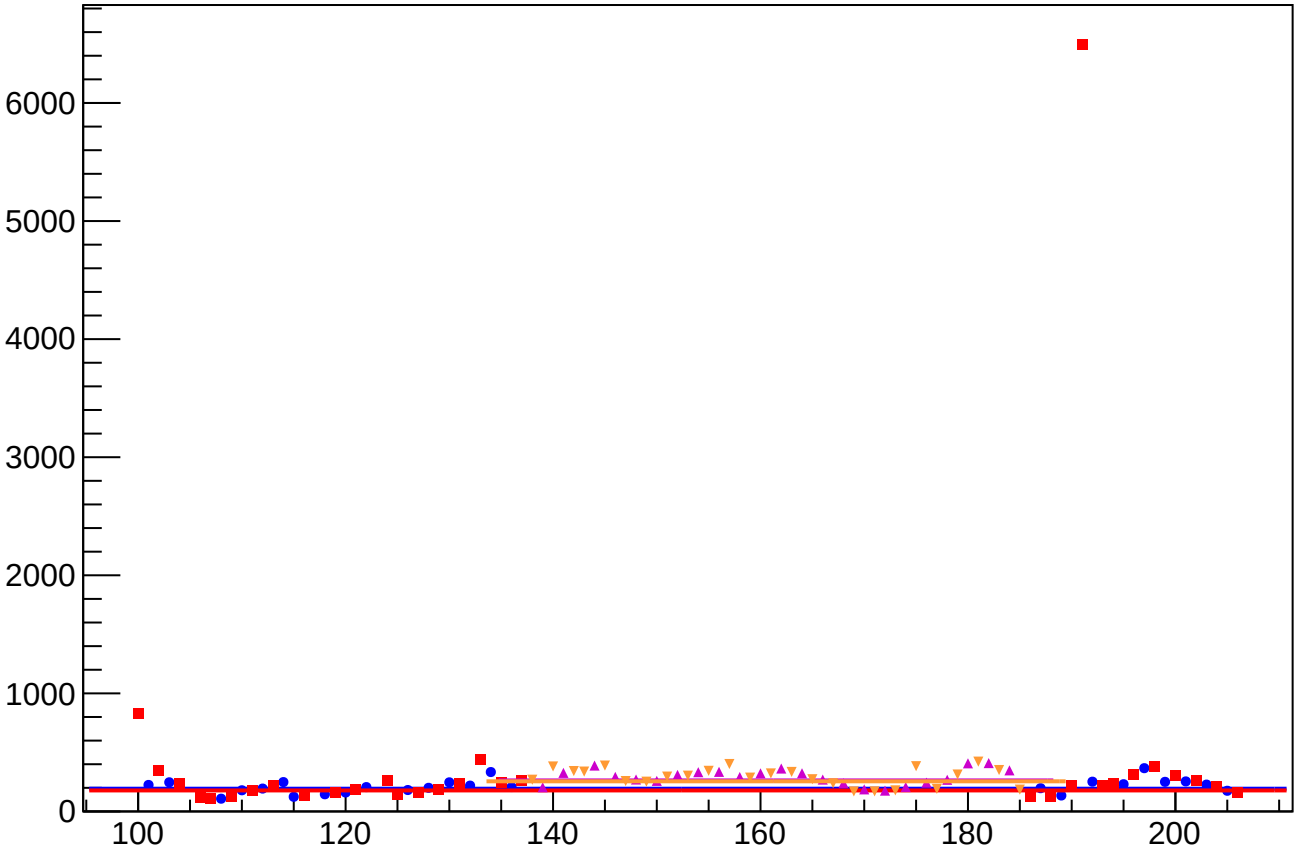
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.035+/-0.041 χ^2/NDF: 45.7/49

All: 0.016+/-0.028 χ^2/NDF: 107.3/103

- sign -0.001+/-0.039 χ^2/NDF: 61.2/53

asym_atr_dd_dit_vs_cor_diff_rms vs Slug



Right In: 192.612+/-0.039 χ^2/NDF: 1879961.5/24

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

Right Out: 178.059+/-0.034 χ^2/NDF: 3552023.6/30

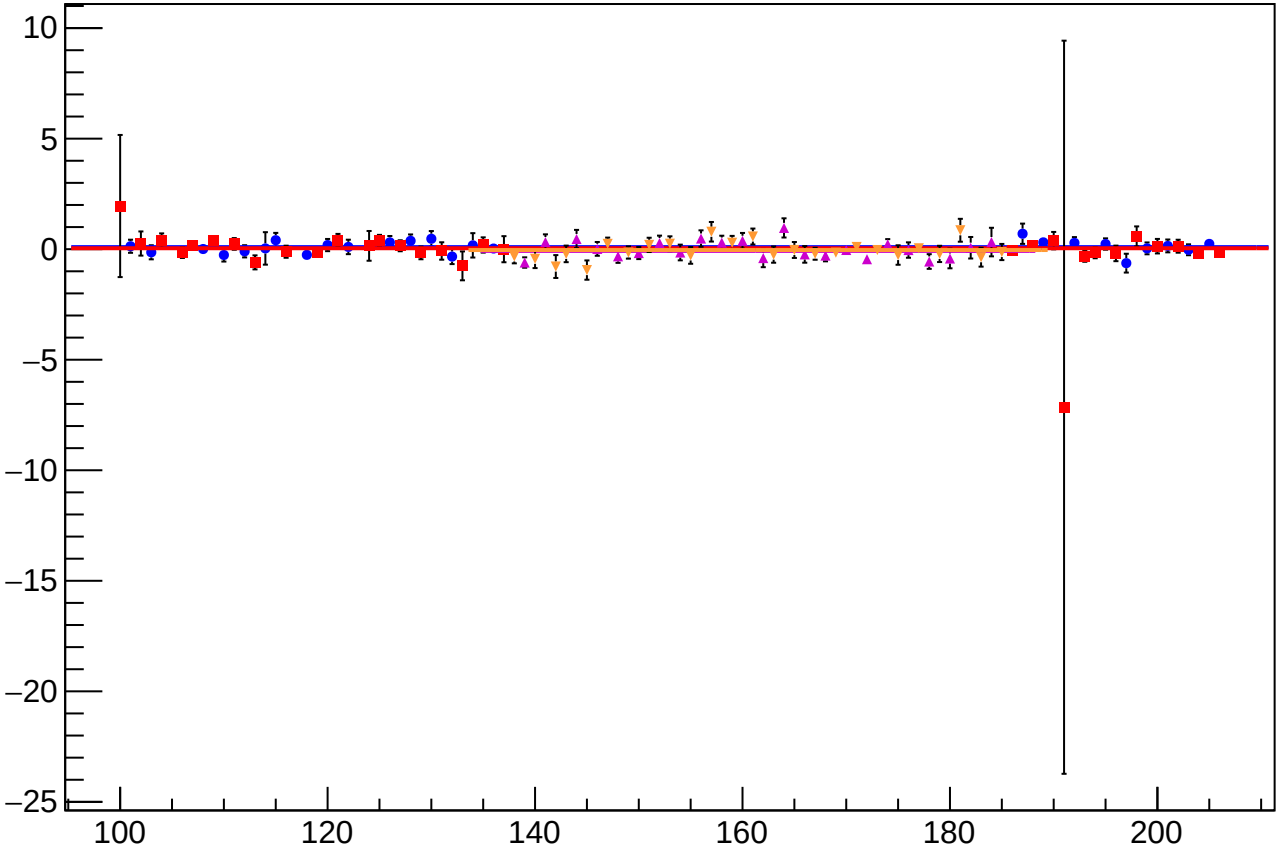
Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 220.049+/-0.029 χ^2/NDF: 5970729.8/49

All: 213.933+/-0.020 χ^2/NDF: 13820837.1/10

- sign 208.429+/-0.027 χ^2/NDF: 7765340.4/53

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.043+/-0.048 χ^2/NDF: 27.9/30

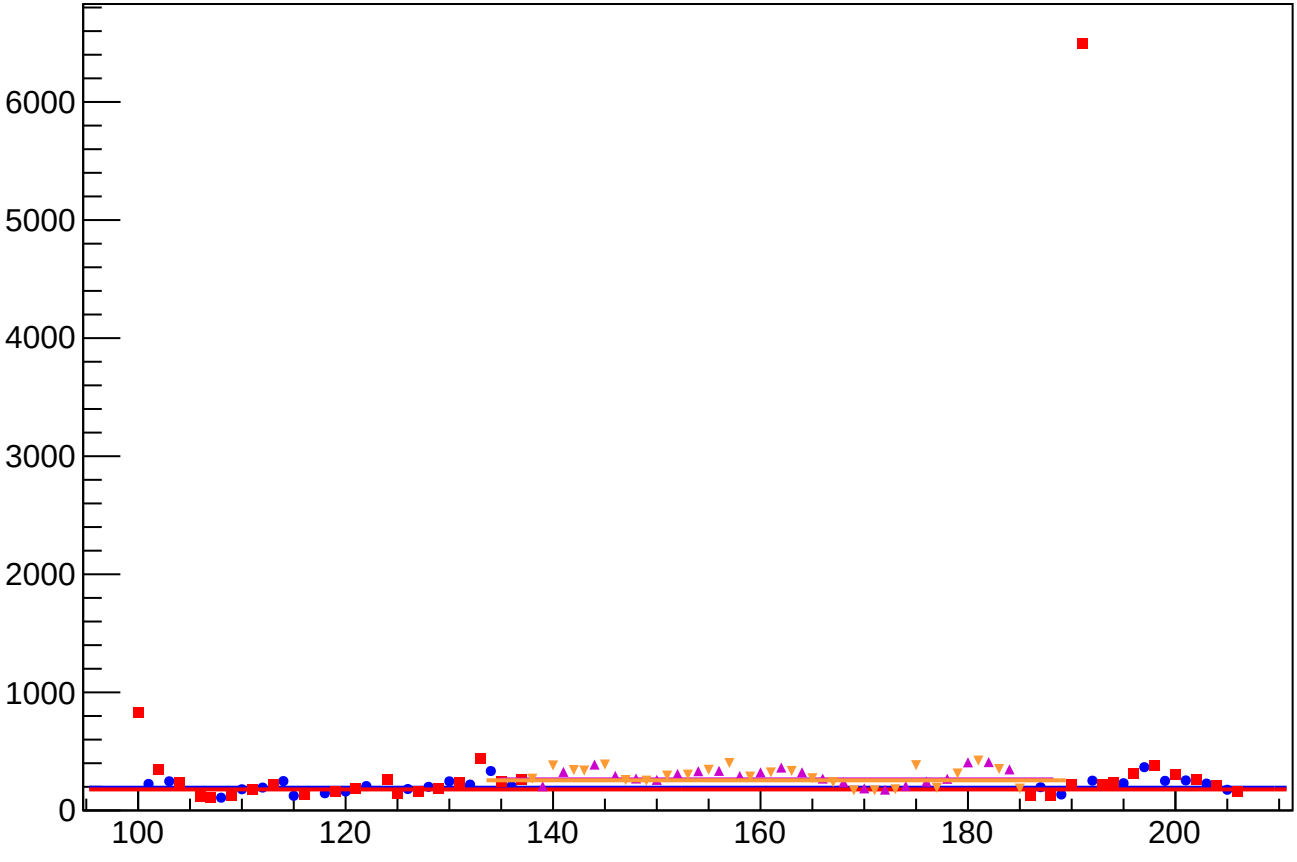
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.035+/-0.041 χ^2/NDF: 45.7/49

All: 0.016+/-0.028 χ^2/NDF: 107.3/103

- sign -0.001+/-0.039 χ^2/NDF: 61.2/53

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 192.612+/-0.039 χ^2/NDF: 1879961.5/24

Left Out: 255.355+/-0.044 χ^2/NDF:2935324.6/24

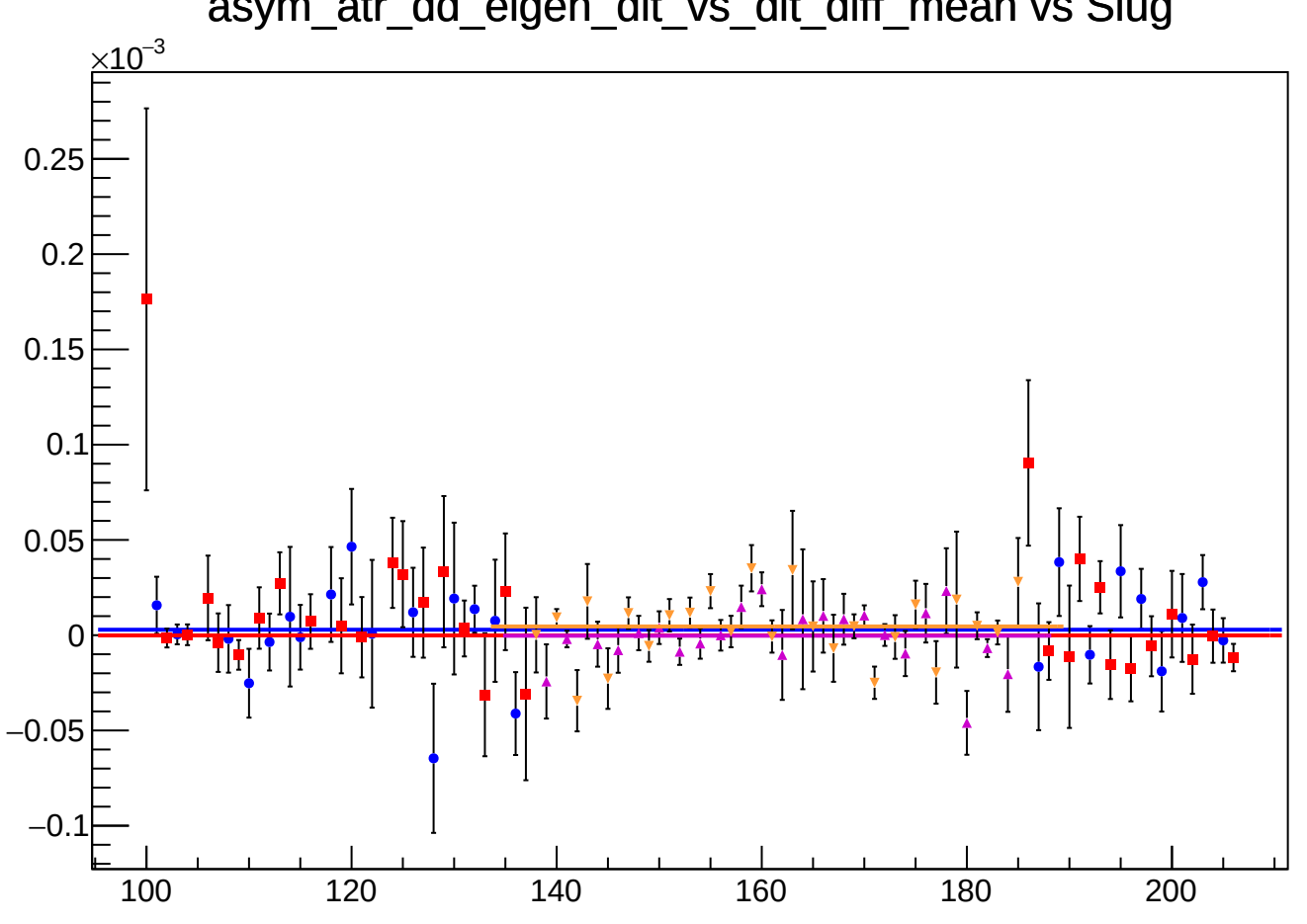
Right Out: 178.059+/-0.034 χ^2/NDF: 3552023.6/30

Left In: 262.788+/-0.046 χ^2/NDF:2025363.4/22

+ sign 220.049+/-0.029 χ^2/NDF: 5970729.8/49

All: 213.933+/-0.020 χ^2/NDF: 13820837.1/10

- sign 208.429+/-0.027 χ^2/NDF: 7765340.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

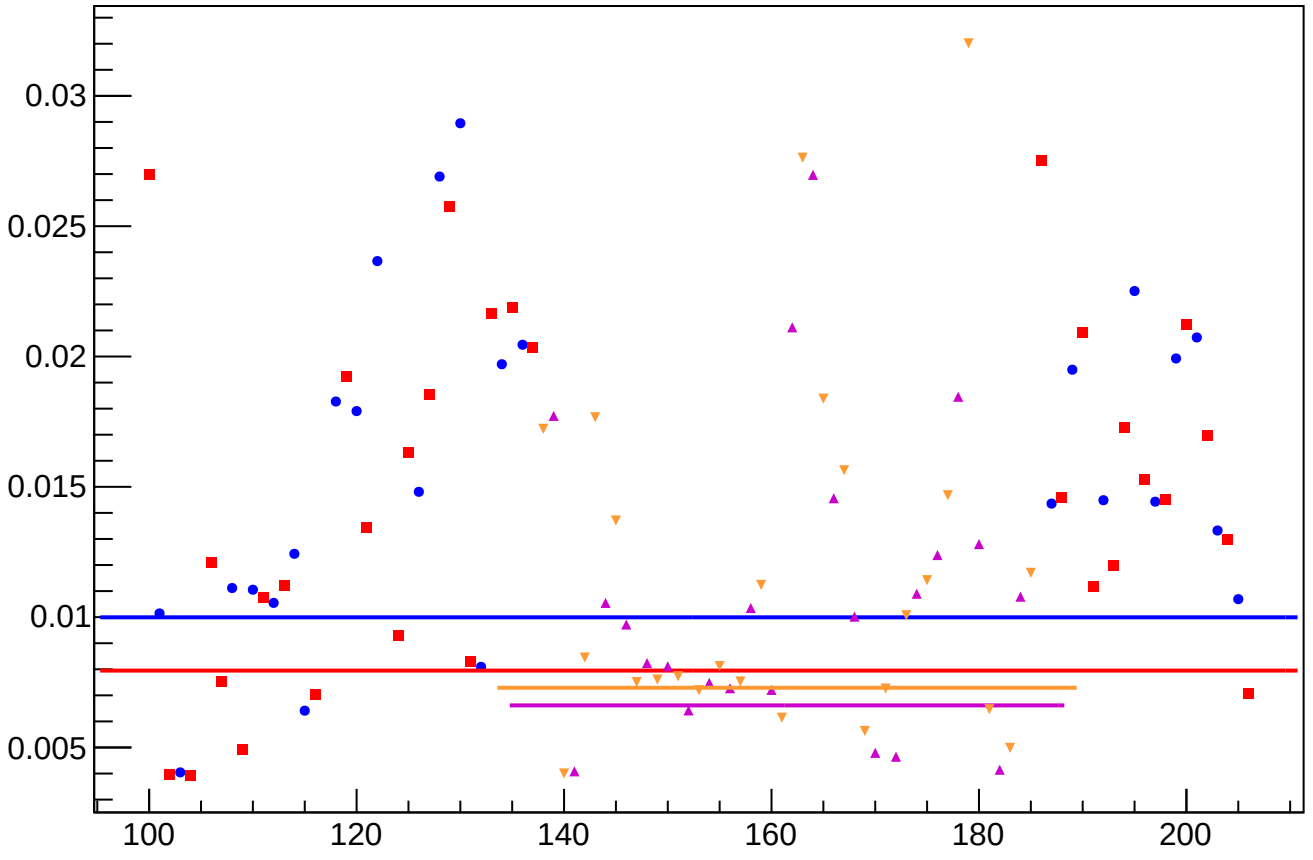
Right Out: -0.000+/-0.000 χ^2/NDF: 32.9/30

Left In: -0.000+/-0.000 χ^2/NDF:31.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.9/49

All: 0.000+/-0.000 χ^2/NDF: 136.1/103

- sign -0.000+/-0.000 χ^2/NDF: 64.1/53



Right In: 0.010+/-0.000 χ^2/NDF: 7067684.2/24

Left Out: 0.007+/-0.000 χ^2/NDF:6772003.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 9291243.9/30

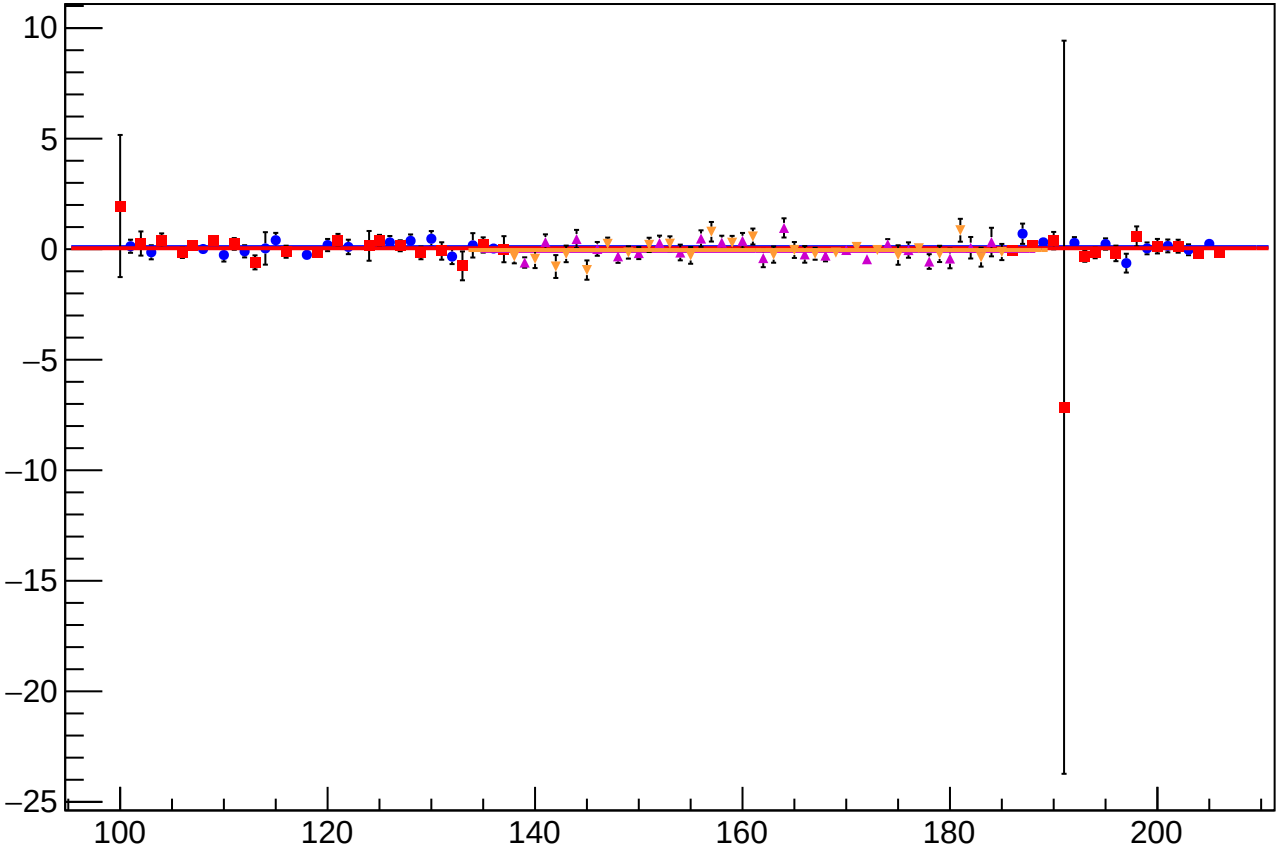
Left In: 0.007+/-0.000 χ^2/NDF:6410135.0/22

+ sign 0.008+/-0.000 χ^2/NDF: 14929348.0/49

All: 0.007+/-0.000 χ^2/NDF: 31383435.0/103

- sign 0.007+/-0.000 χ^2/NDF: 16106310.1/53

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

Right Out: 0.043+/-0.048 χ^2/NDF: 27.9/30

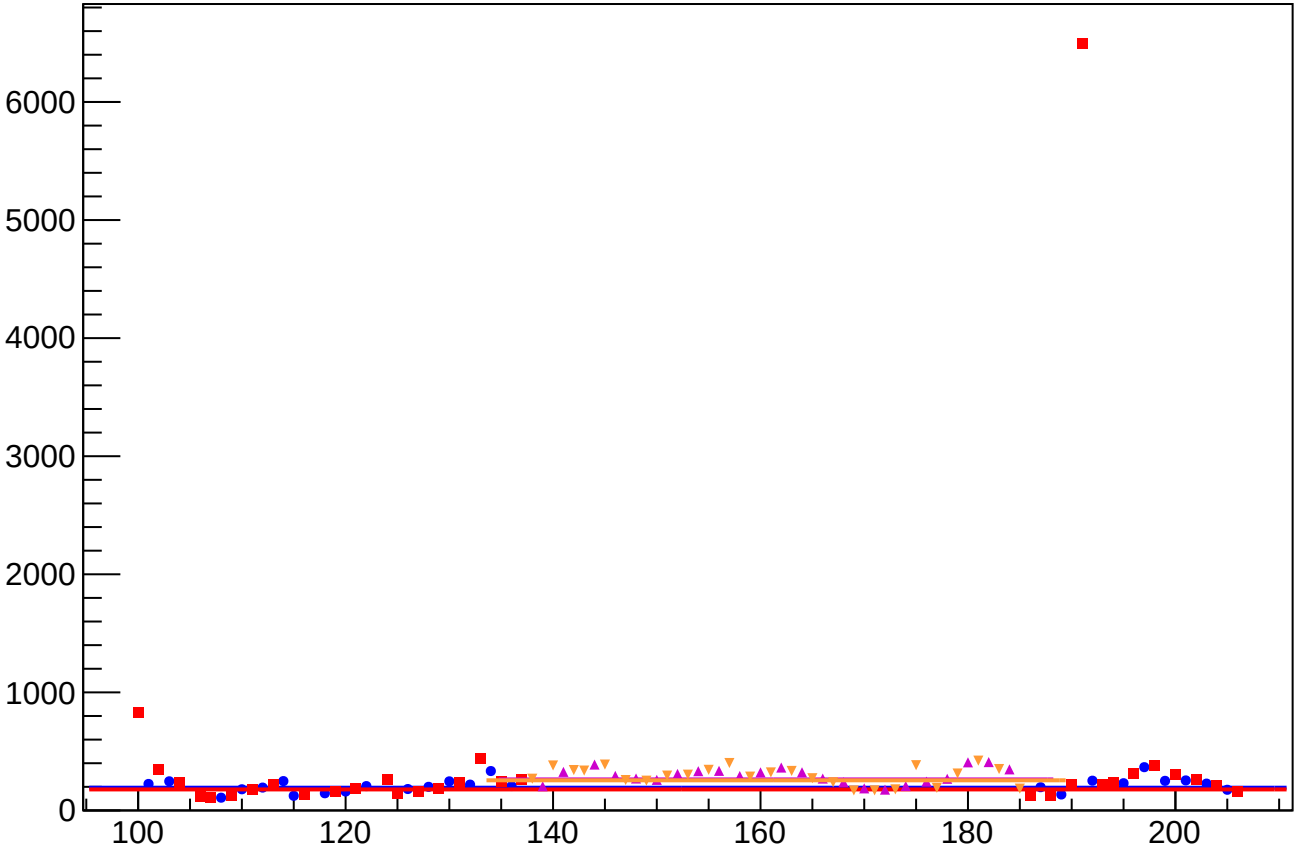
Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.035+/-0.041 χ^2/NDF: 45.7/49

All: 0.016+/-0.028 χ^2/NDF: 107.3/103

- sign -0.001+/-0.039 χ^2/NDF: 61.2/53

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 192.612+/-0.039 χ^2/NDF: 1879973.8/24

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

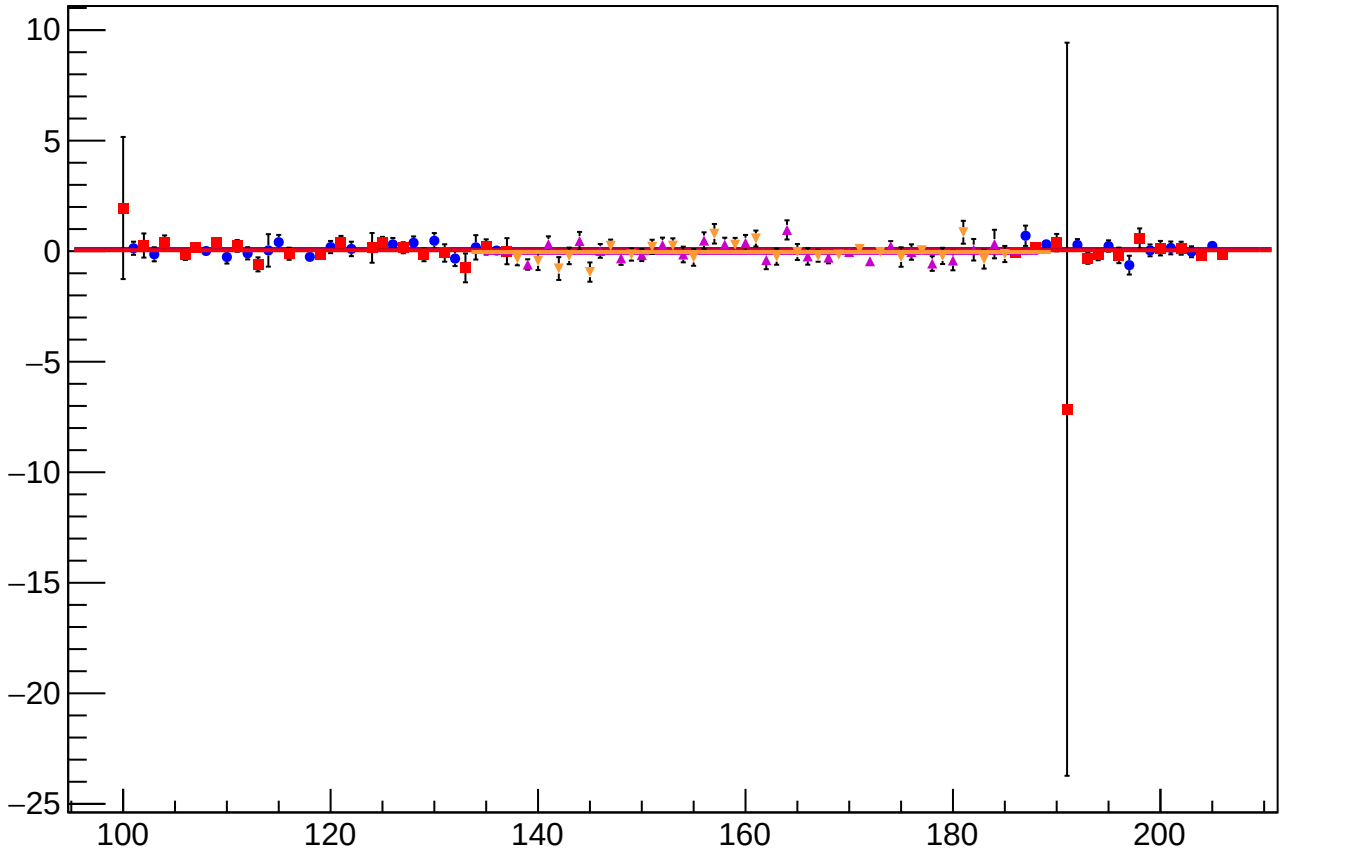
Right Out: 178.060+/-0.034 χ^2/NDF: 3551984.4/30

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 220.049+/-0.029 χ^2/NDF: 5970916.0/49

All: 213.934+/-0.020 χ^2/NDF: 13821017.1/10

- sign 208.430+/-0.027 χ^2/NDF: 7765354.7/53



Right In: 0.092+/-0.055 χ^2/NDF: 18.8/24

Left Out: -0.038+/-0.062 χ^2/NDF:24.4/24

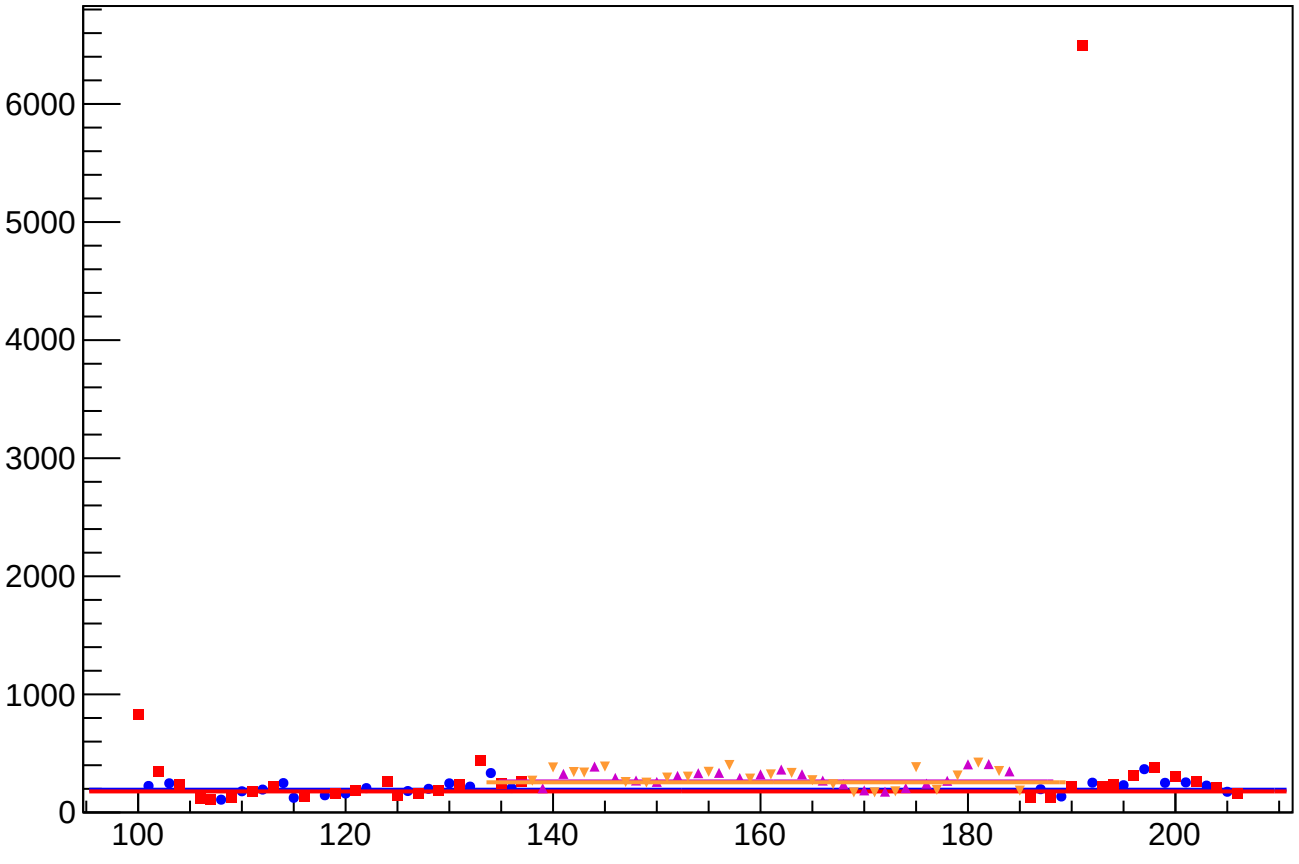
Right Out: 0.043+/-0.048 χ^2/NDF: 27.9/30

Left In: -0.078+/-0.065 χ^2/NDF:31.1/22

+ sign 0.035+/-0.041 χ^2/NDF: 45.7/49

All: 0.016+/-0.028 χ^2/NDF: 107.3/103

- sign -0.001+/-0.039 χ^2/NDF: 61.2/53



Right In: 192.612+/-0.039 χ^2/NDF: 1879973.8/24

Left Out: 255.357+/-0.044 χ^2/NDF:2935428.4/24

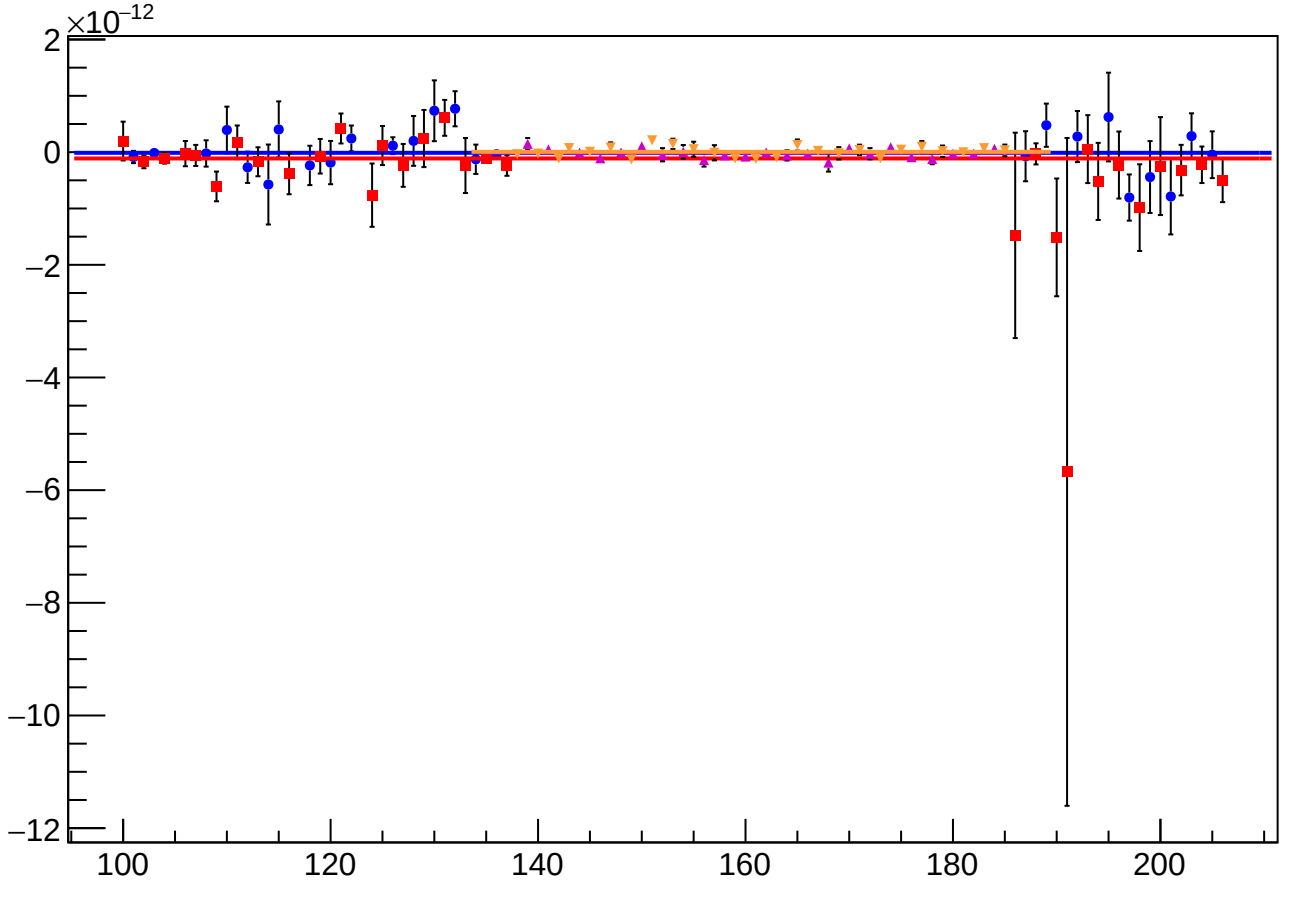
Right Out: 178.060+/-0.034 χ^2/NDF: 3551984.4/30

Left In: 262.790+/-0.046 χ^2/NDF:2025402.0/22

+ sign 220.049+/-0.029 χ^2/NDF: 5970916.0/49

All: 213.934+/-0.020 χ^2/NDF: 13821017.1/10

- sign 208.430+/-0.027 χ^2/NDF: 7765354.7/53



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:30.5/24

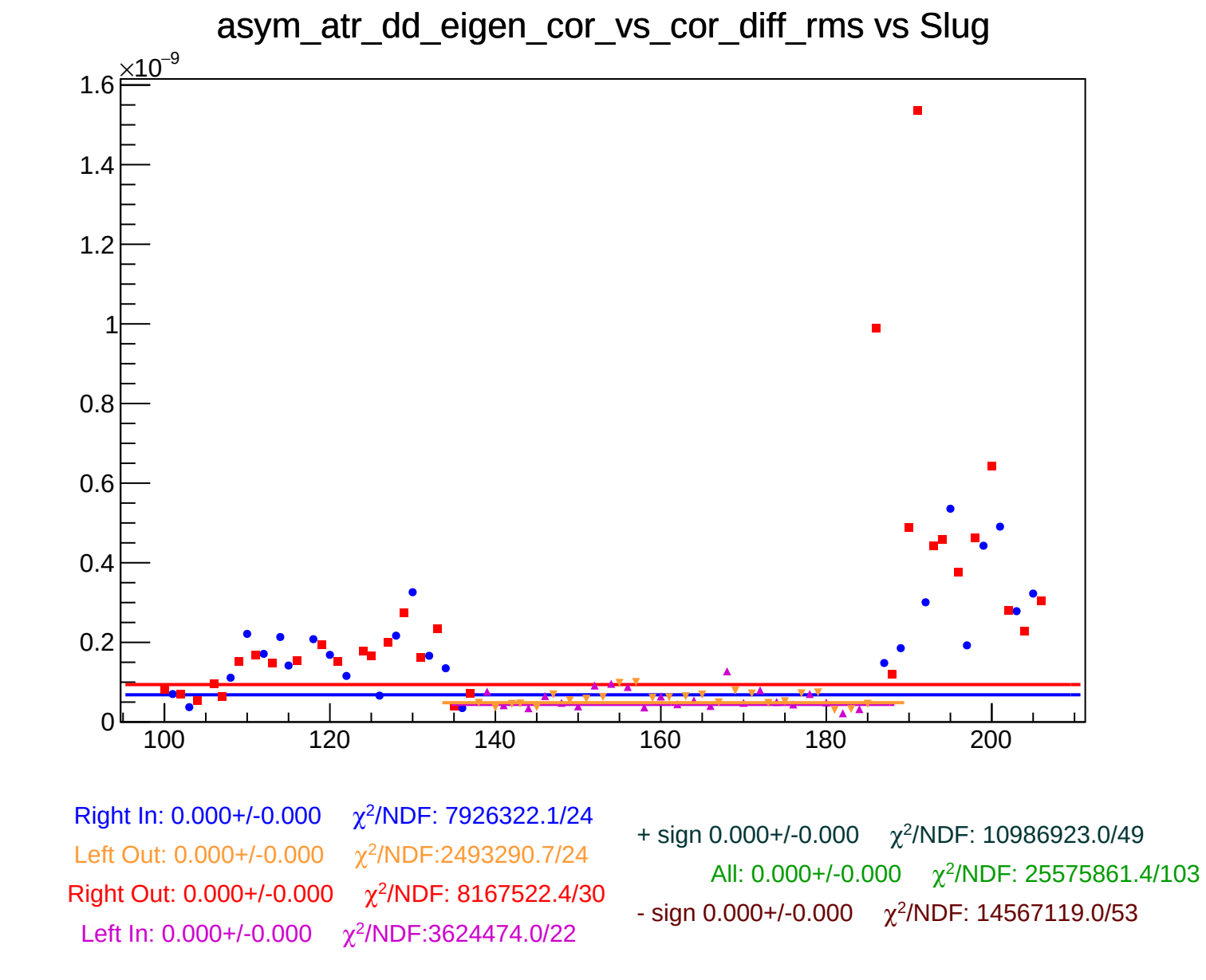
Right Out: -0.000+/-0.000 χ^2/NDF: 25.1/30

Left In: -0.000+/-0.000 χ^2/NDF:21.2/22

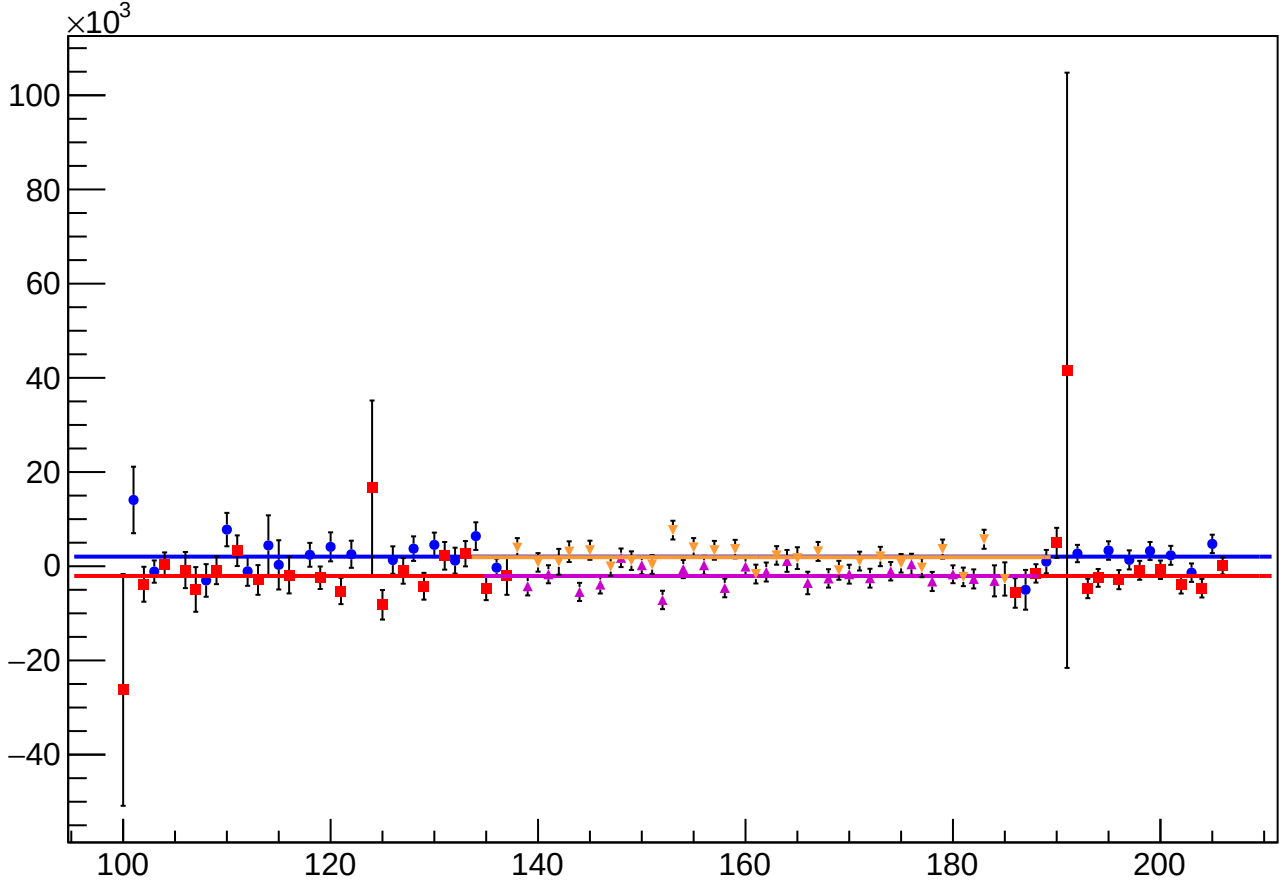
+ sign 0.000+/-0.000 χ^2/NDF: 54.5/49

All: -0.000+/-0.000 χ^2/NDF: 108.4/103

- sign -0.000+/-0.000 χ^2/NDF: 52.2/53


asym_atr_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 7926322.1/24
Left Out: 0.000+/-0.000 χ²/NDF:2493290.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 8167522.4/30
Left In: 0.000+/-0.000 χ²/NDF:3624474.0/22
+ sign 0.000+/-0.000 χ²/NDF: 10986923.0/49
All: 0.000+/-0.000 χ²/NDF: 25575861.4/103
- sign 0.000+/-0.000 χ²/NDF: 14567119.0/53

reg_asym_at1_avg_mean vs Slug



Right In: 2038.931+/-506.303 χ^2/NDF: 25.4/24

Left Out: 1920.623+/-412.915 χ^2/NDF:32.5/24

Right Out: -2064.035+/-476.323 χ^2/NDF: 32.0/30

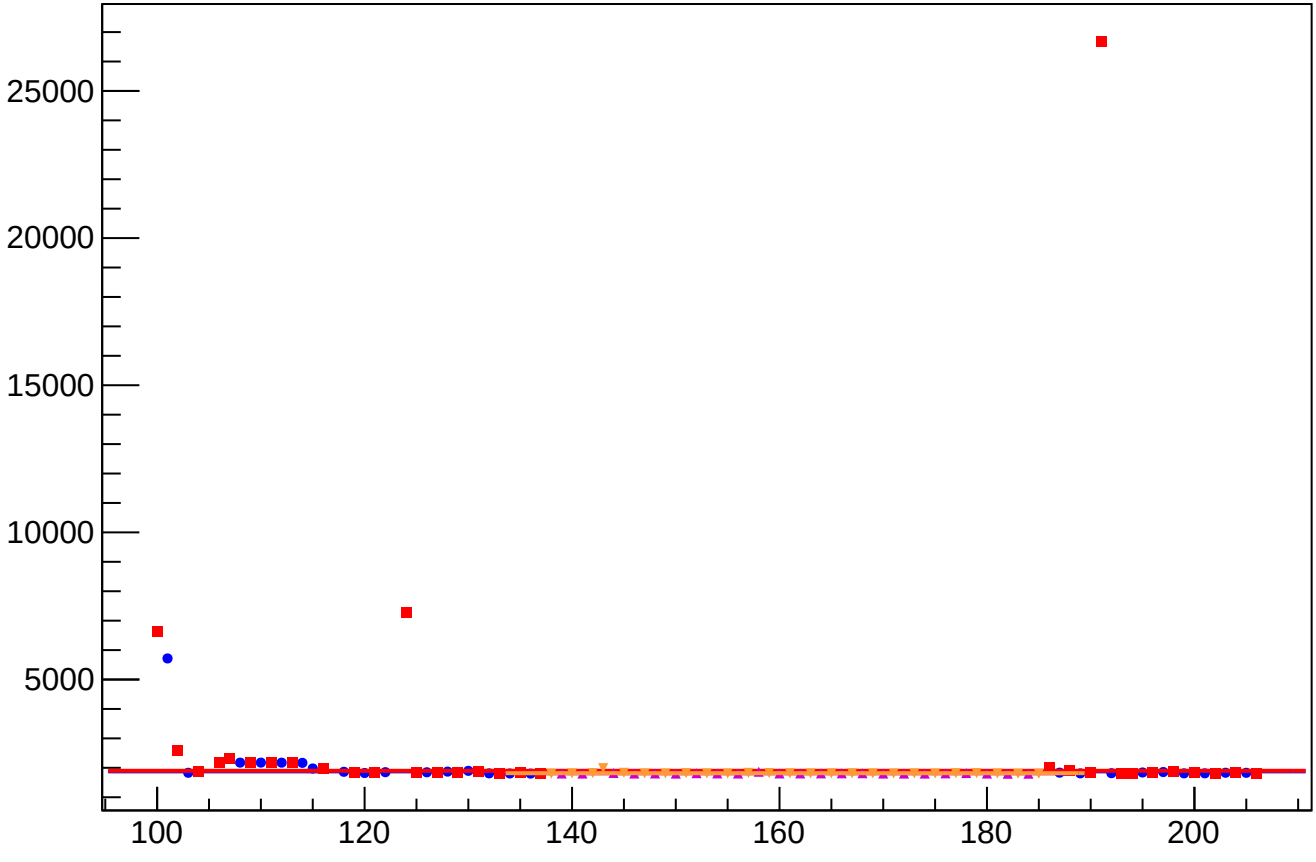
Left In: -2074.205+/-423.203 χ^2/NDF:26.5/22

+ sign 1967.880+/-319.991 χ^2/NDF: 58.0/49

All: -73.892+/-224.977 χ^2/NDF: 197.0/103

- sign -2069.718+/-316.370 χ^2/NDF: 58.5/53

reg_asym_at1_avg_rms vs Slug



Right In: 1879.358+/-0.358 χ^2/NDF: 662484.4/24

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

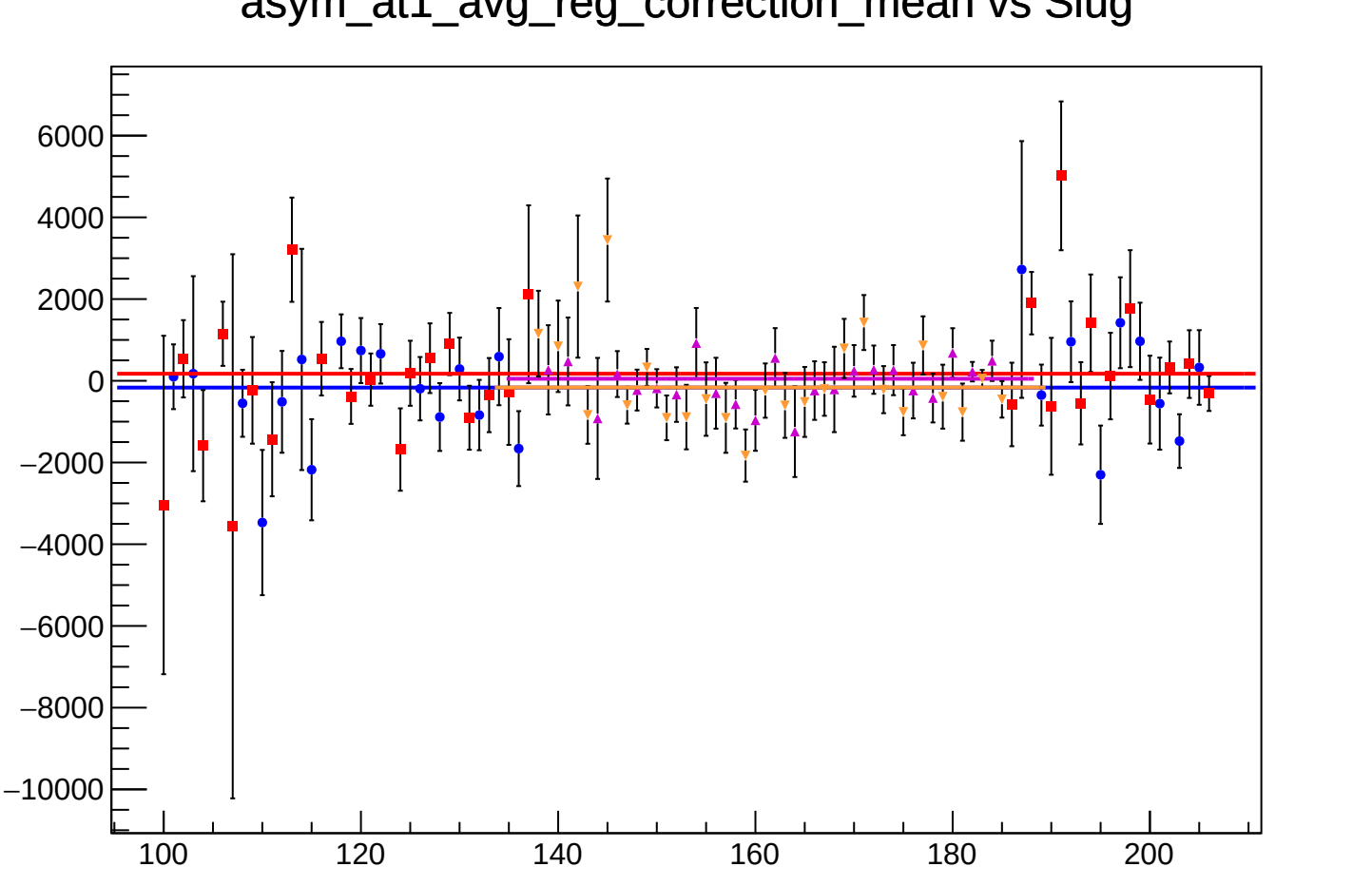
Right Out: 1898.698+/-0.337 χ^2/NDF: 734405.9/30

Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1842.223+/-0.226 χ^2/NDF: 693354.8/49

All: 1846.435+/-0.159 χ^2/NDF: 1467023.6/10

- sign 1850.552+/-0.224 χ^2/NDF: 772983.8/53



Right In: -166.388+/-186.746 χ^2/NDF: 30.1/24

Left Out: -162.996+/-115.295 χ^2/NDF:36.8/24

Right Out: 172.884+/-164.514 χ^2/NDF: 37.5/30

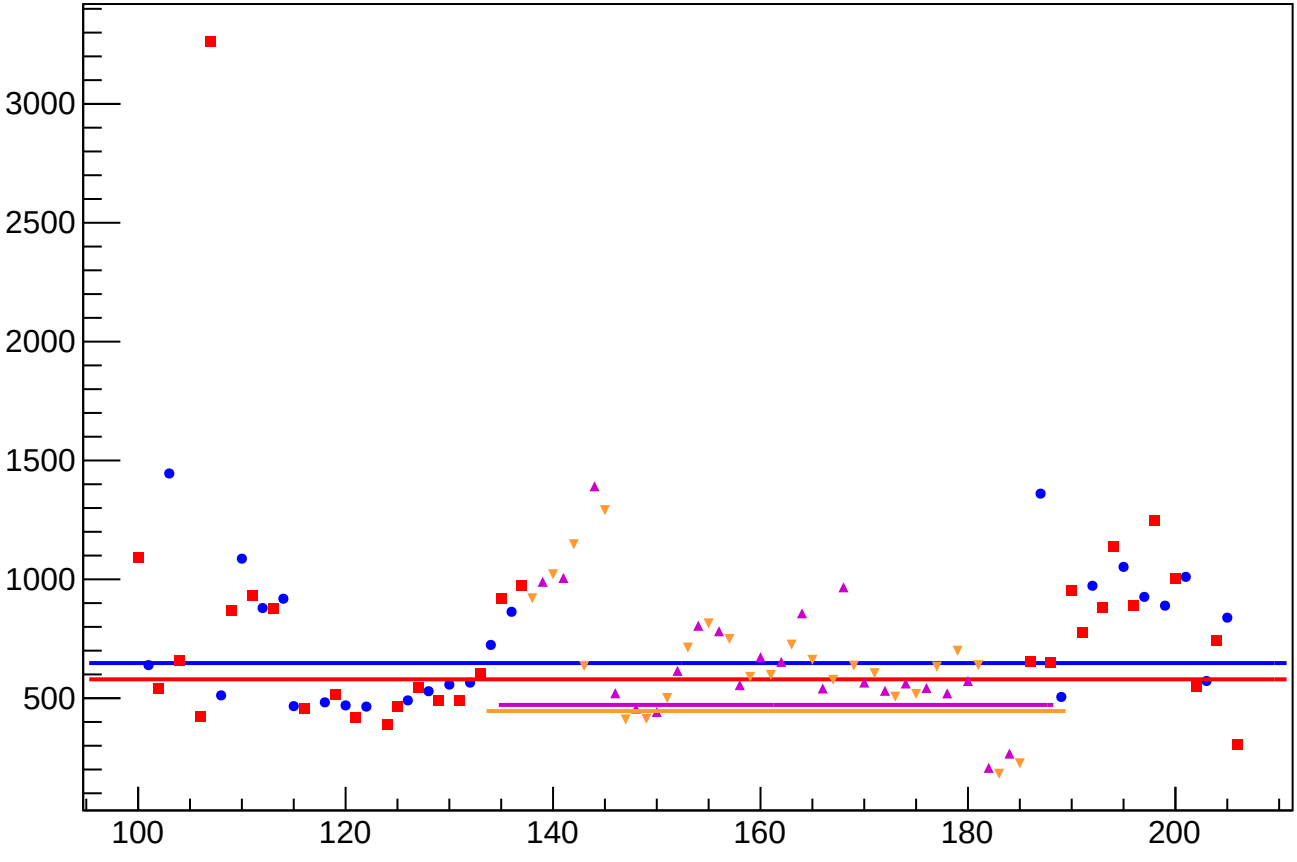
Left In: 49.290+/-122.691 χ^2/NDF:11.3/22

+ sign -163.932+/-98.104 χ^2/NDF: 66.9/49

All: -35.559+/-69.458 χ^2/NDF: 119.5/103

- sign 93.463+/-98.352 χ^2/NDF: 49.2/53

asym_at1_avg_reg_correction_rms vs Slug



Right In: 647.758+/-0.132 χ^2/NDF: 2368712.2/24

Left Out: 445.893+/-0.082 χ^2/NDF:7982455.6/24

Right Out: 579.396+/-0.116 χ^2/NDF: 3910394.3/30

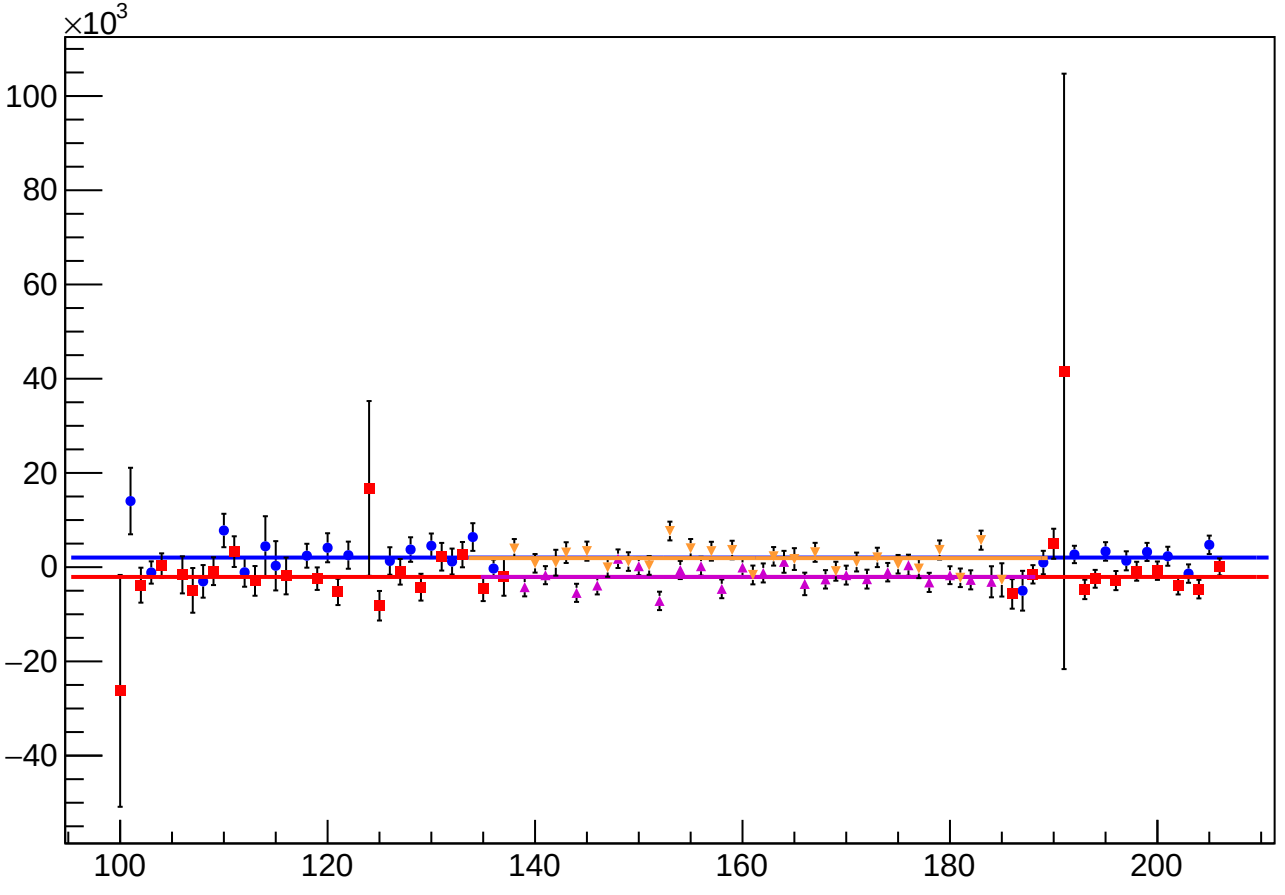
Left In: 471.746+/-0.087 χ^2/NDF:6413905.5/22

+ sign 501.603+/-0.069 χ^2/NDF: 12043168.7/49

All: 505.901+/-0.049 χ^2/NDF: 22925454.0/10

- sign 510.220+/-0.070 χ^2/NDF: 10874589.5/53

cor_asym_at1_avg_mean vs Slug



Right In: 2038.856+/-506.303 χ^2/NDF: 25.4/24

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2077.097+/-476.498 χ^2/NDF: 31.9/30

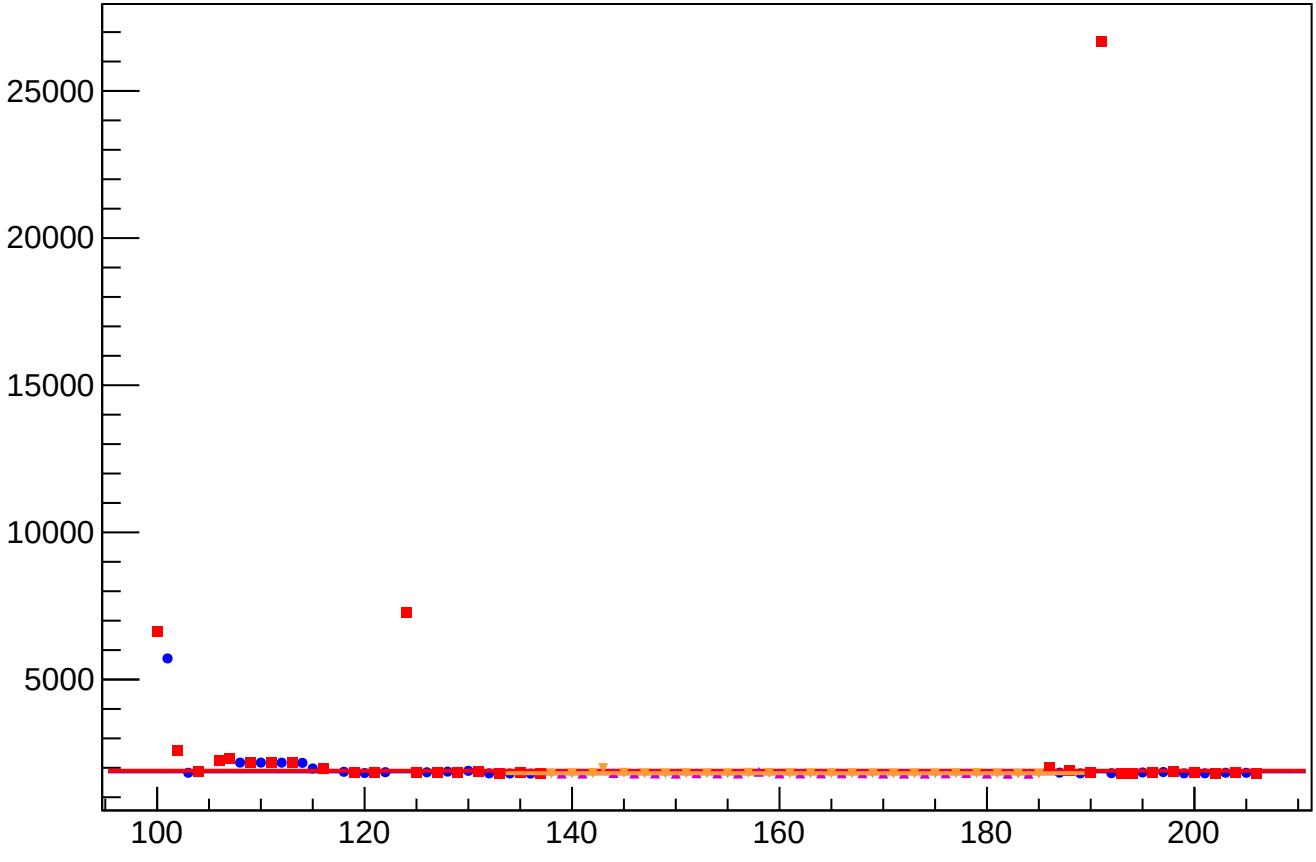
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1967.829+/-319.991 χ^2/NDF: 58.0/49

All: -76.532+/-224.995 χ^2/NDF: 197.1/103

- sign -2075.537+/-316.421 χ^2/NDF: 58.4/53

cor_asym_at1_avg_rms vs Slug



Right In: 1879.358+/-0.358 χ^2/NDF: 662484.4/24

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1899.226+/-0.337 χ^2/NDF: 738028.5/30

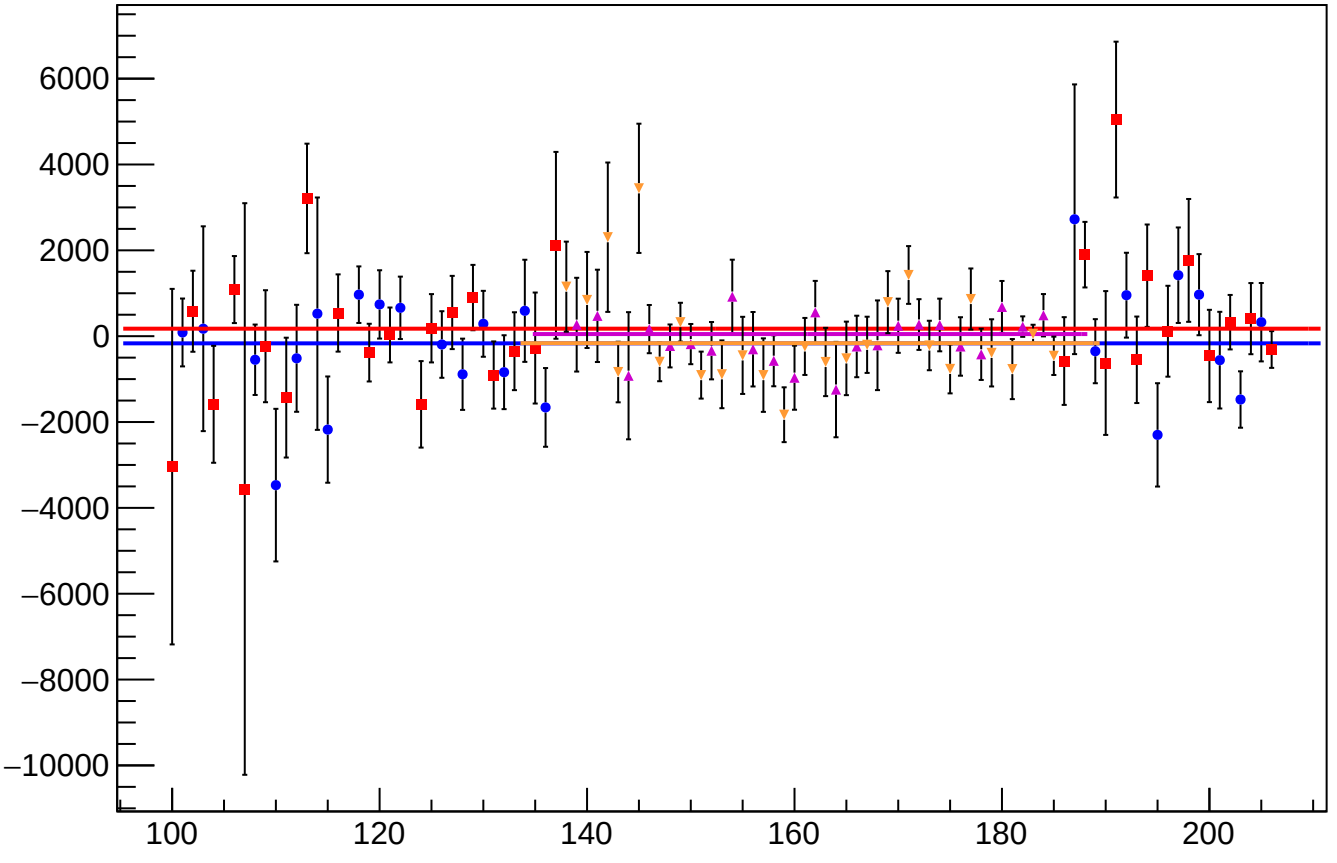
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1842.223+/-0.226 χ^2/NDF: 693354.7/49

All: 1846.544+/-0.159 χ^2/NDF: 1471116.4/10

- sign 1850.769+/-0.224 χ^2/NDF: 777040.5/53

asym_at1_avg_cor_correction_mean vs Slug



Right In: -166.891+/-186.720 χ^2/NDF: 30.1/24

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 174.717+/-164.451 χ^2/NDF: 37.1/30

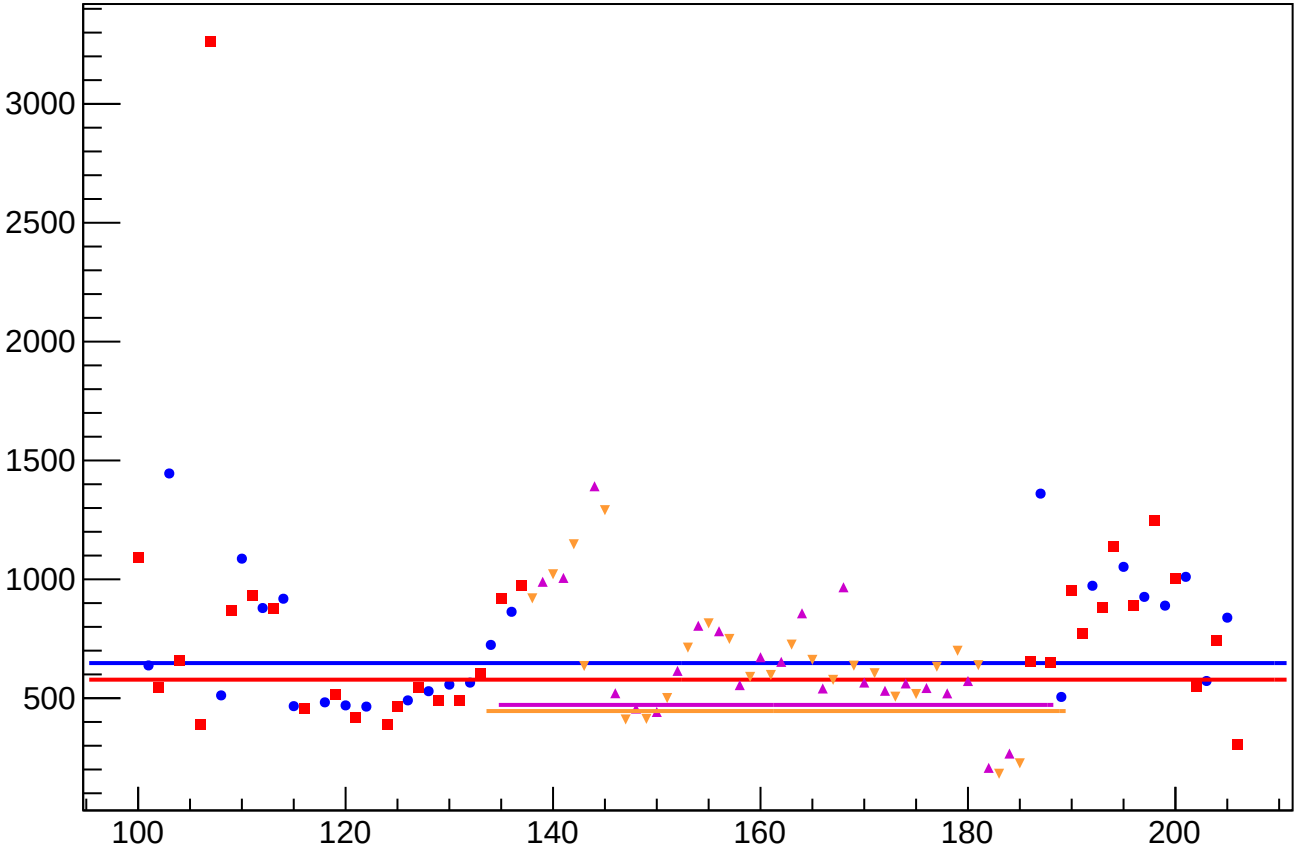
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -164.010+/-98.098 χ^2/NDF: 66.9/49

All: -35.245+/-69.451 χ^2/NDF: 119.2/103

- sign 94.154+/-98.340 χ^2/NDF: 48.8/53

asym_at1_avg_cor_correction_rms vs Slug



Right In: 647.680+/-0.132 χ^2/NDF: 2368848.8/24

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 577.922+/-0.116 χ^2/NDF: 3949059.4/30

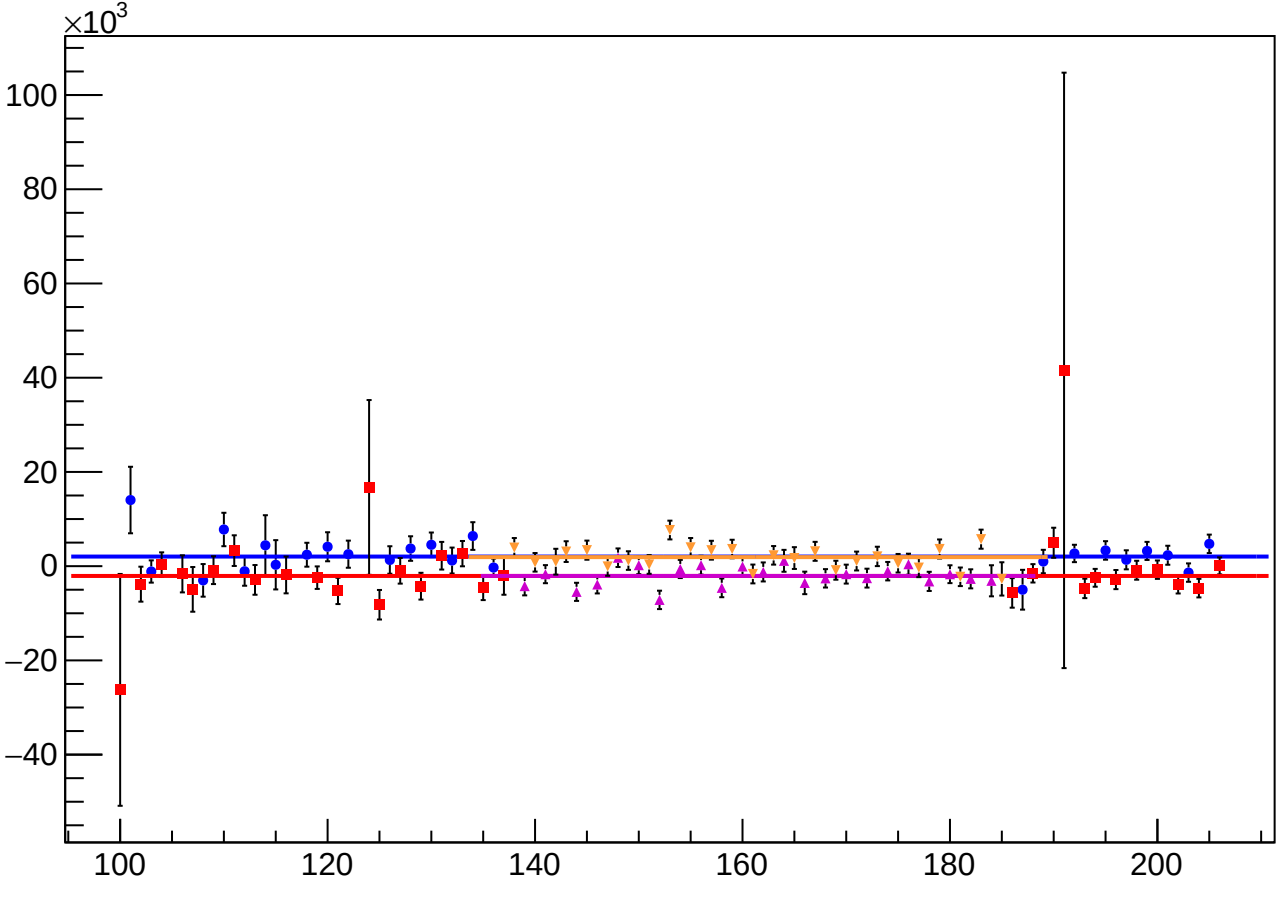
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 501.571+/-0.069 χ^2/NDF: 12044221.3/49

All: 505.636+/-0.049 χ^2/NDF: 22949318.0/10

- sign 509.721+/-0.070 χ^2/NDF: 10898212.3/53

eigen_cor_asym_at1_avg_mean vs Slug



Right In: 2038.856+/-506.303 χ^2/NDF: 25.4/24

Left Out: 1920.588+/-412.915 χ^2/NDF:32.5/24

Right Out: -2077.097+/-476.498 χ^2/NDF: 31.9/30

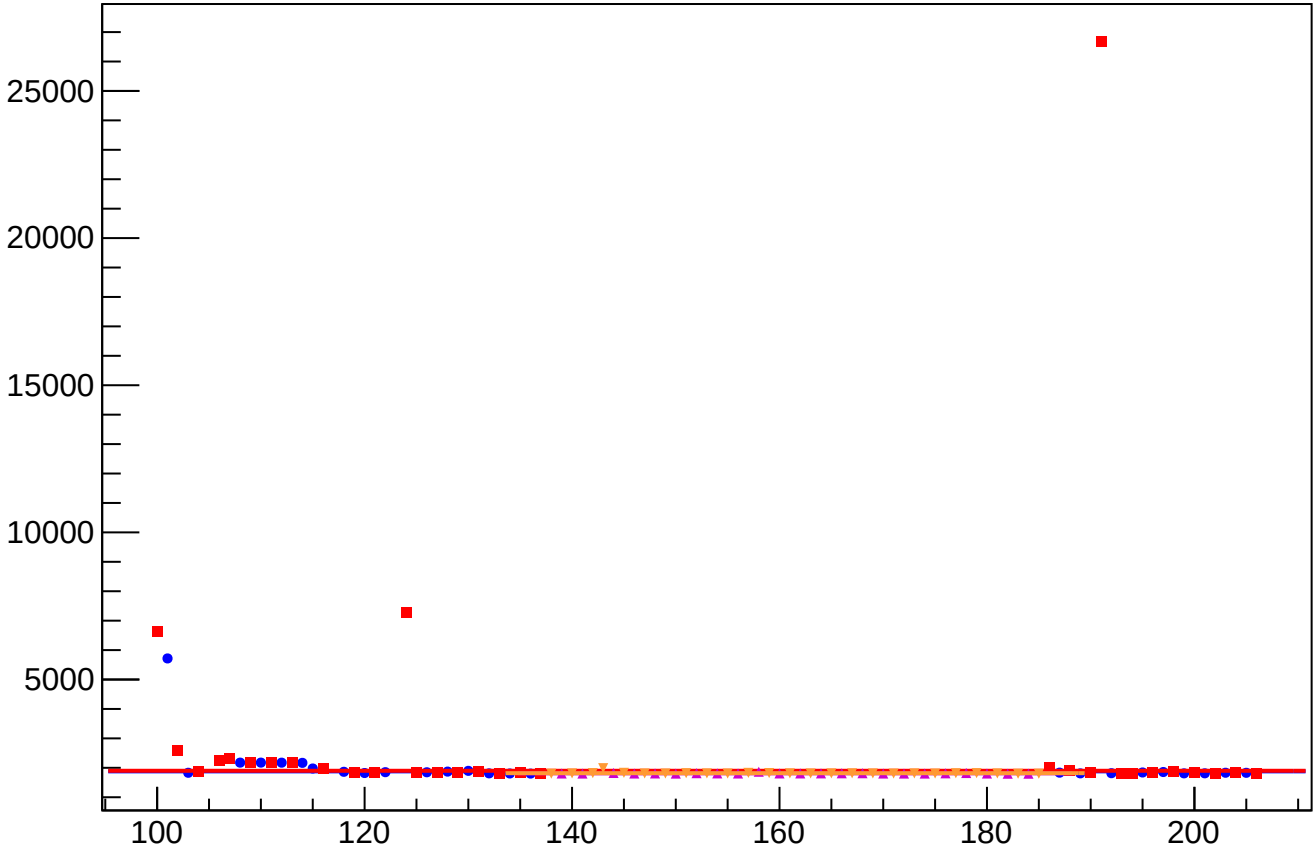
Left In: -2074.306+/-423.203 χ^2/NDF:26.5/22

+ sign 1967.829+/-319.991 χ^2/NDF: 58.0/49

All: -76.532+/-224.995 χ^2/NDF: 197.1/103

- sign -2075.537+/-316.421 χ^2/NDF: 58.4/53

eigen_cor_asym_at1_avg_rms vs Slug



Right In: 1879.358+/-0.358 χ^2/NDF: 662484.4/24

Left Out: 1817.524+/-0.292 χ^2/NDF:12955.2/24

Right Out: 1899.226+/-0.337 χ^2/NDF: 738028.5/30

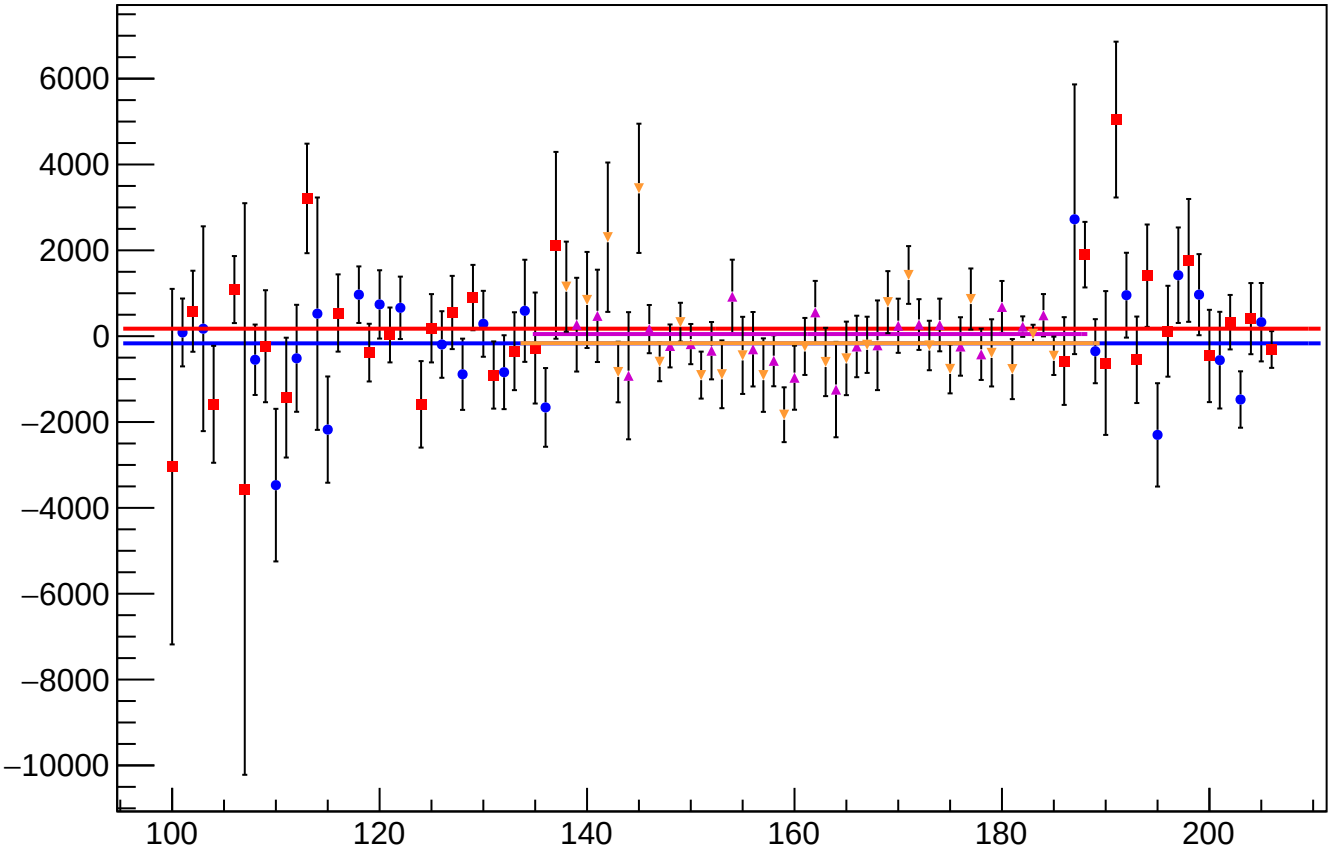
Left In: 1812.545+/-0.299 χ^2/NDF:2013.0/22

+ sign 1842.223+/-0.226 χ^2/NDF: 693354.7/49

All: 1846.544+/-0.159 χ^2/NDF: 1471116.4/10

- sign 1850.769+/-0.224 χ^2/NDF: 777040.5/53

asym_at1_avg_eigen_cor_correction_mean vs Slug



Right In: -166.891+/-186.720 χ^2/NDF: 30.1/24

Left Out: -162.911+/-115.291 χ^2/NDF:36.9/24

Right Out: 174.717+/-164.451 χ^2/NDF: 37.1/30

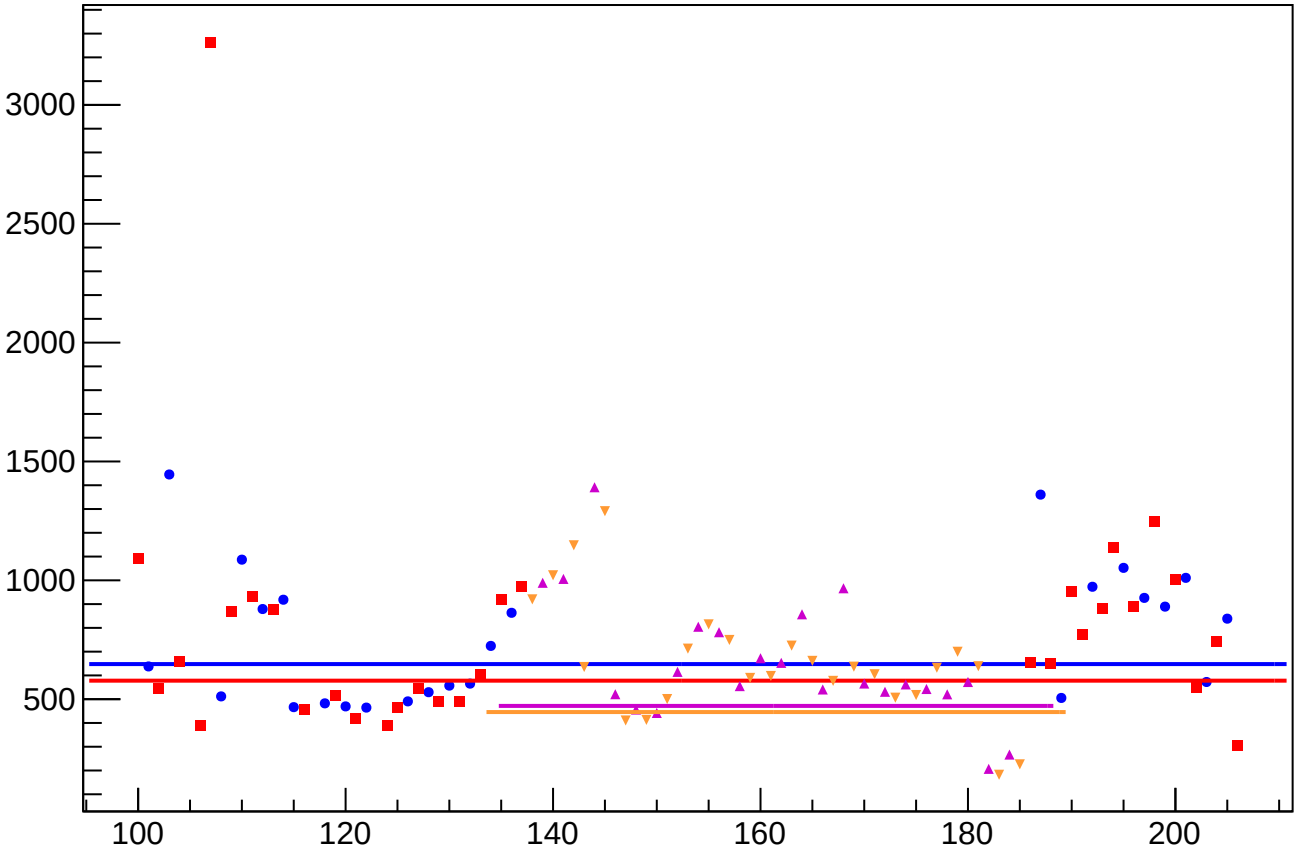
Left In: 49.310+/-122.694 χ^2/NDF:11.3/22

+ sign -164.010+/-98.098 χ^2/NDF: 66.9/49

All: -35.245+/-69.451 χ^2/NDF: 119.2/103

- sign 94.154+/-98.340 χ^2/NDF: 48.8/53

asym_at1_avg_eigen_cor_correction_rms vs Slug



Right In: 647.680+/-0.132 χ^2/NDF: 2368848.8/24

Left Out: 445.867+/-0.082 χ^2/NDF:7983869.6/24

Right Out: 577.922+/-0.116 χ^2/NDF: 3949059.4/30

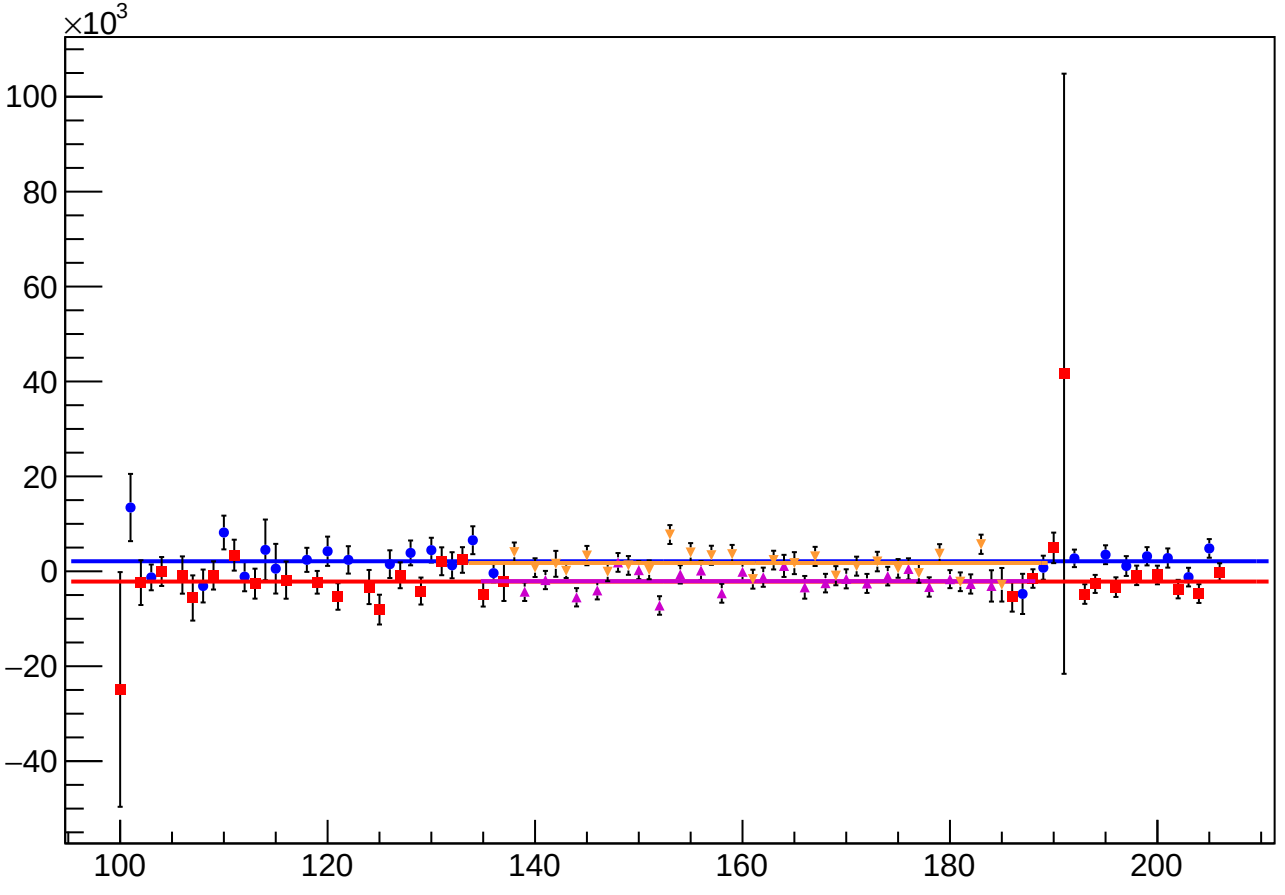
Left In: 471.757+/-0.087 χ^2/NDF:6413685.0/22

+ sign 501.571+/-0.069 χ^2/NDF: 12044221.3/49

All: 505.636+/-0.049 χ^2/NDF: 22949318.0/10

- sign 509.721+/-0.070 χ^2/NDF: 10898212.3/53

dit_asym_at1_avg_mean vs Slug



Right In: 2118.738+/-511.846 χ^2/NDF: 25.5/24

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2160.635+/-479.052 χ^2/NDF: 29.7/30

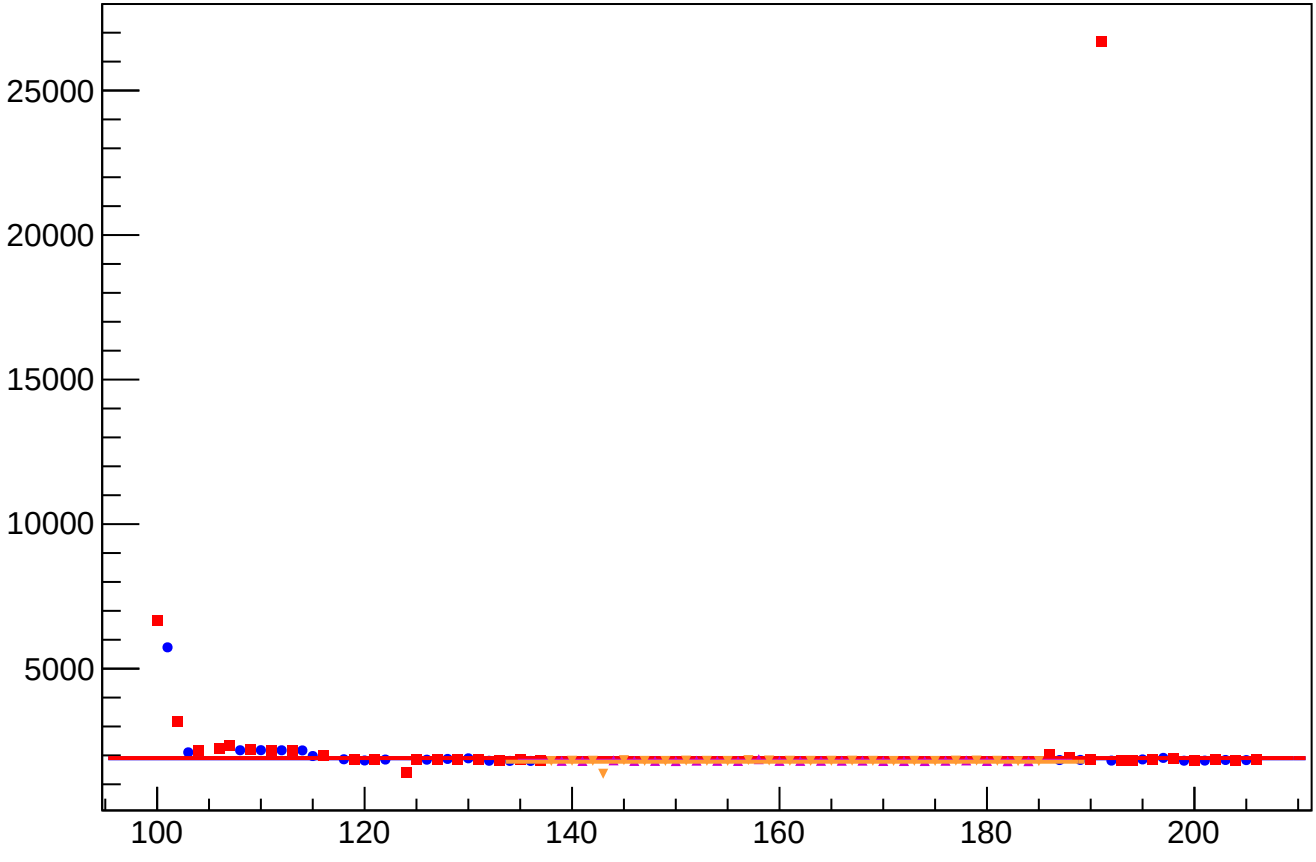
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1895.522+/-317.796 χ^2/NDF: 59.6/49

All: -110.886+/-224.559 χ^2/NDF: 195.9/103

- sign -2111.706+/-317.353 χ^2/NDF: 56.7/53

dit_asym_at1_avg_rms vs Slug



Right In: 1899.348+/-0.362 χ^2/NDF: 671490.6/24

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

Right Out: 1907.899+/-0.339 χ^2/NDF: 691342.0/30

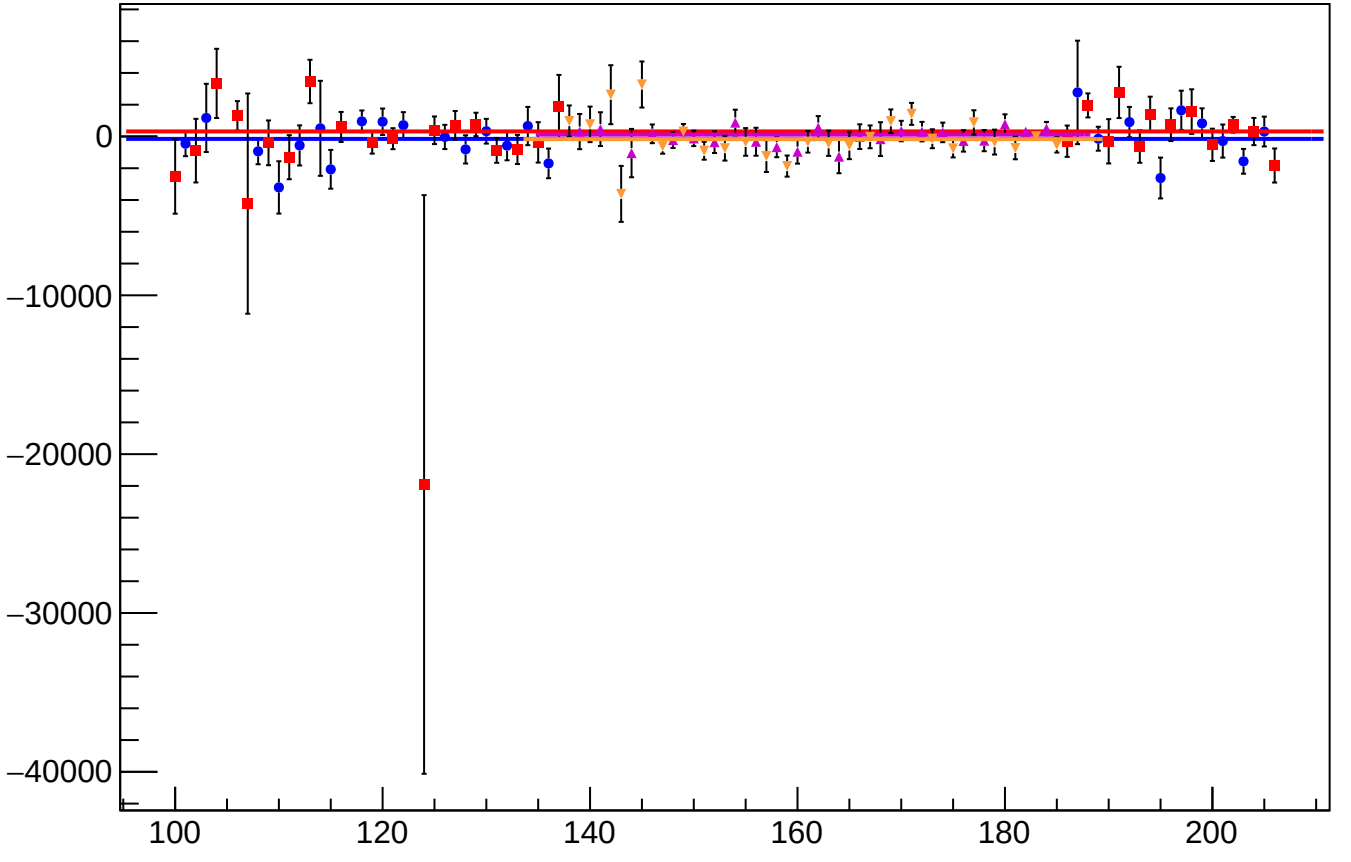
Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.569+/-0.225 χ^2/NDF: 902228.5/49

All: 1841.030+/-0.159 χ^2/NDF: 1646656.9/10

- sign 1855.452+/-0.224 χ^2/NDF: 736156.9/53

asym_at1_avg_dit_correction_mean vs Slug



Right In: -153.083+/-193.024 χ^2/NDF: 29.6/24

Left Out: -167.909+/-121.628 χ^2/NDF:38.3/24

Right Out: 317.446+/-179.178 χ^2/NDF: 36.4/30

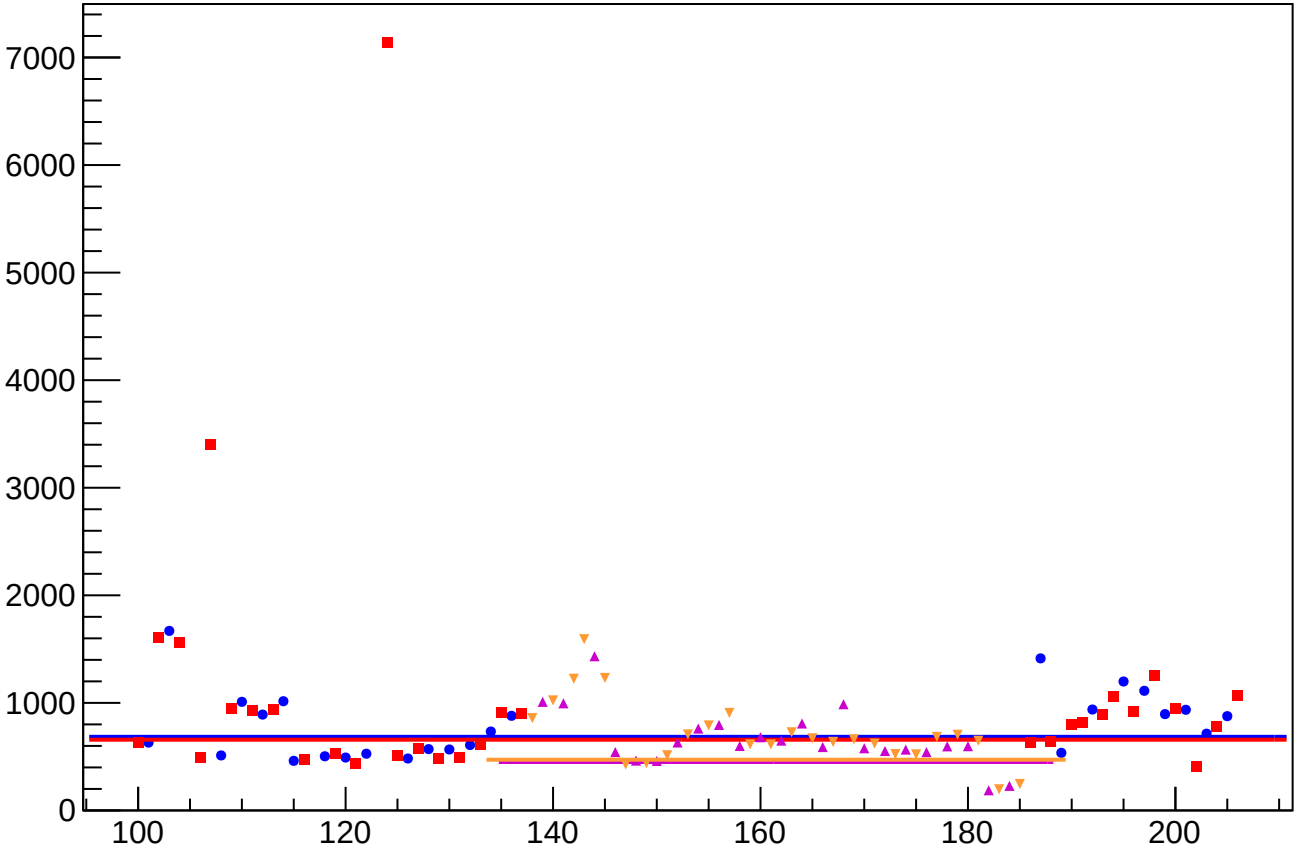
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -163.695+/-102.903 χ^2/NDF: 68.0/49

All: 13.311+/-71.557 χ^2/NDF: 123.3/103

- sign 179.050+/-99.574 χ^2/NDF: 49.5/53

asym_at1_avg_dit_correction_rms vs Slug



Right In: 684.480+/-0.136 χ^2/NDF: 2566684.4/24

Left Out: 471.777+/-0.086 χ^2/NDF:8112666.9/24

Right Out: 657.899+/-0.127 χ^2/NDF: 4347373.6/30

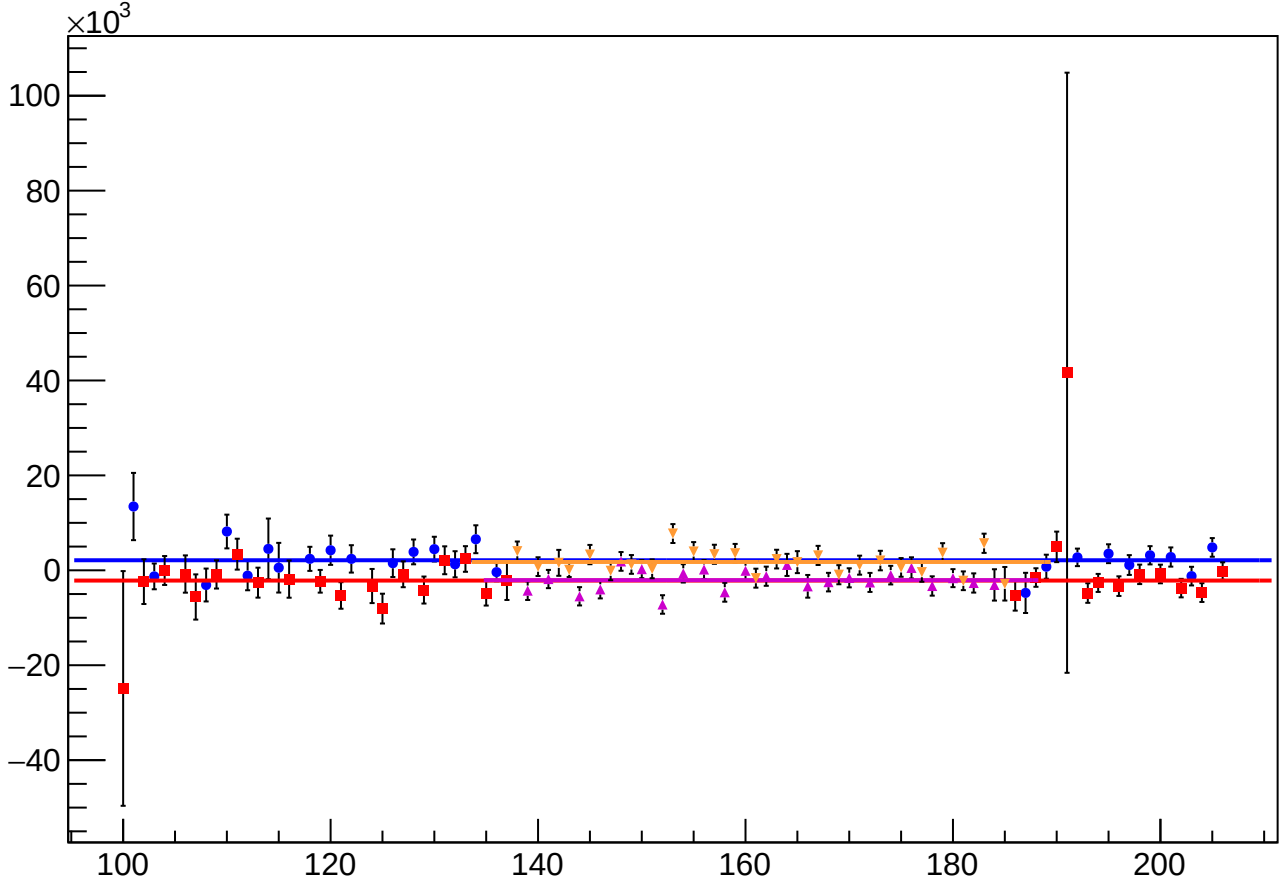
Left In: 450.652+/-0.085 χ^2/NDF:7928332.5/22

+ sign 532.229+/-0.073 χ^2/NDF: 12417721.4/49

All: 523.154+/-0.051 χ^2/NDF: 26572906.7/10

- sign 514.657+/-0.070 χ^2/NDF: 14125066.4/53

eigen_dit_asym_at1_avg_mean vs Slug



Right In: 2118.737+/-511.846 χ^2/NDF: 25.5/24

Left Out: 1755.493+/-405.401 χ^2/NDF:33.8/24

Right Out: -2160.634+/-479.051 χ^2/NDF: 29.7/30

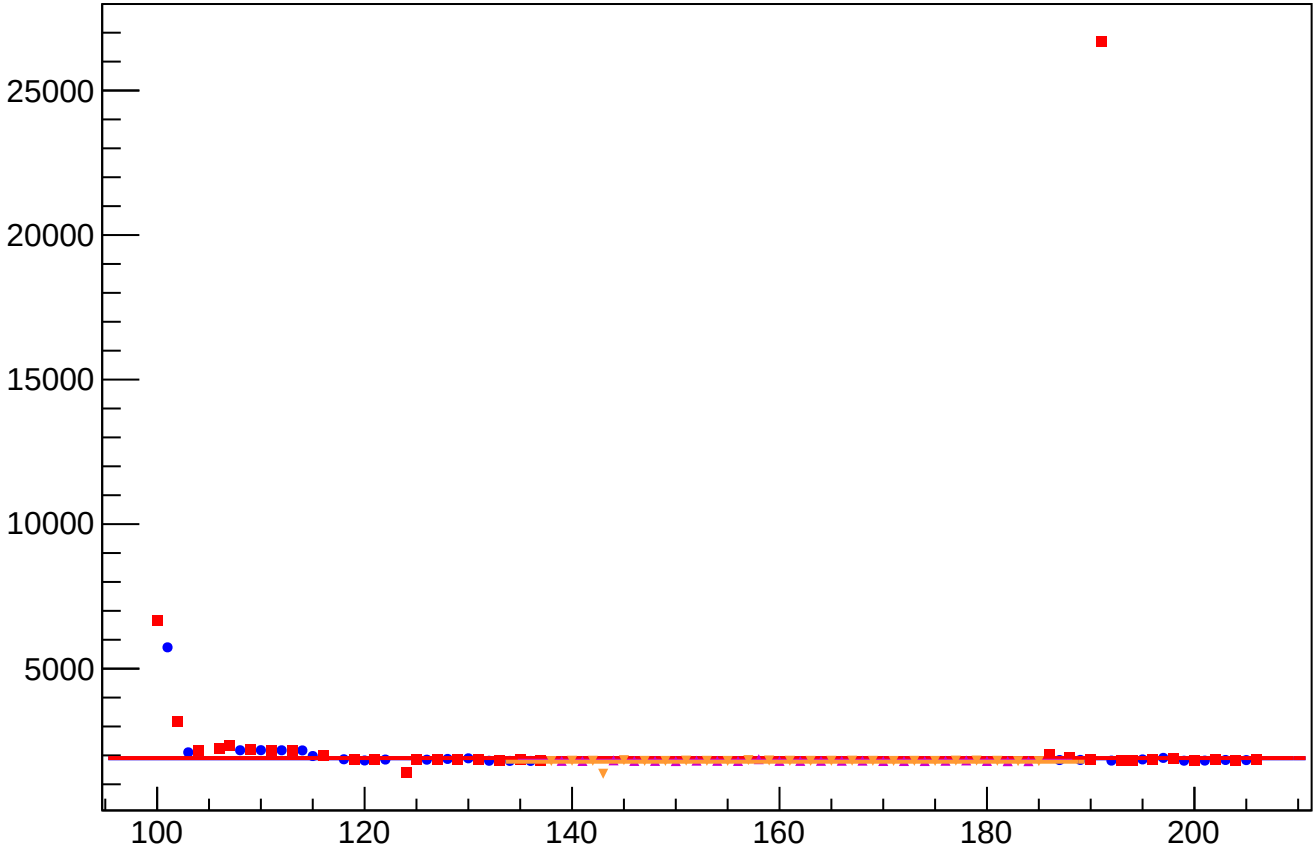
Left In: -2073.441+/-423.648 χ^2/NDF:27.0/22

+ sign 1895.522+/-317.796 χ^2/NDF: 59.6/49

All: -110.886+/-224.559 χ^2/NDF: 195.9/103

- sign -2111.706+/-317.353 χ^2/NDF: 56.7/53

eigen_dit_asym_at1_avg_rms vs Slug



Right In: 1899.347+/-0.362 χ^2/NDF: 671490.2/24

Left Out: 1780.913+/-0.287 χ^2/NDF:164936.9/24

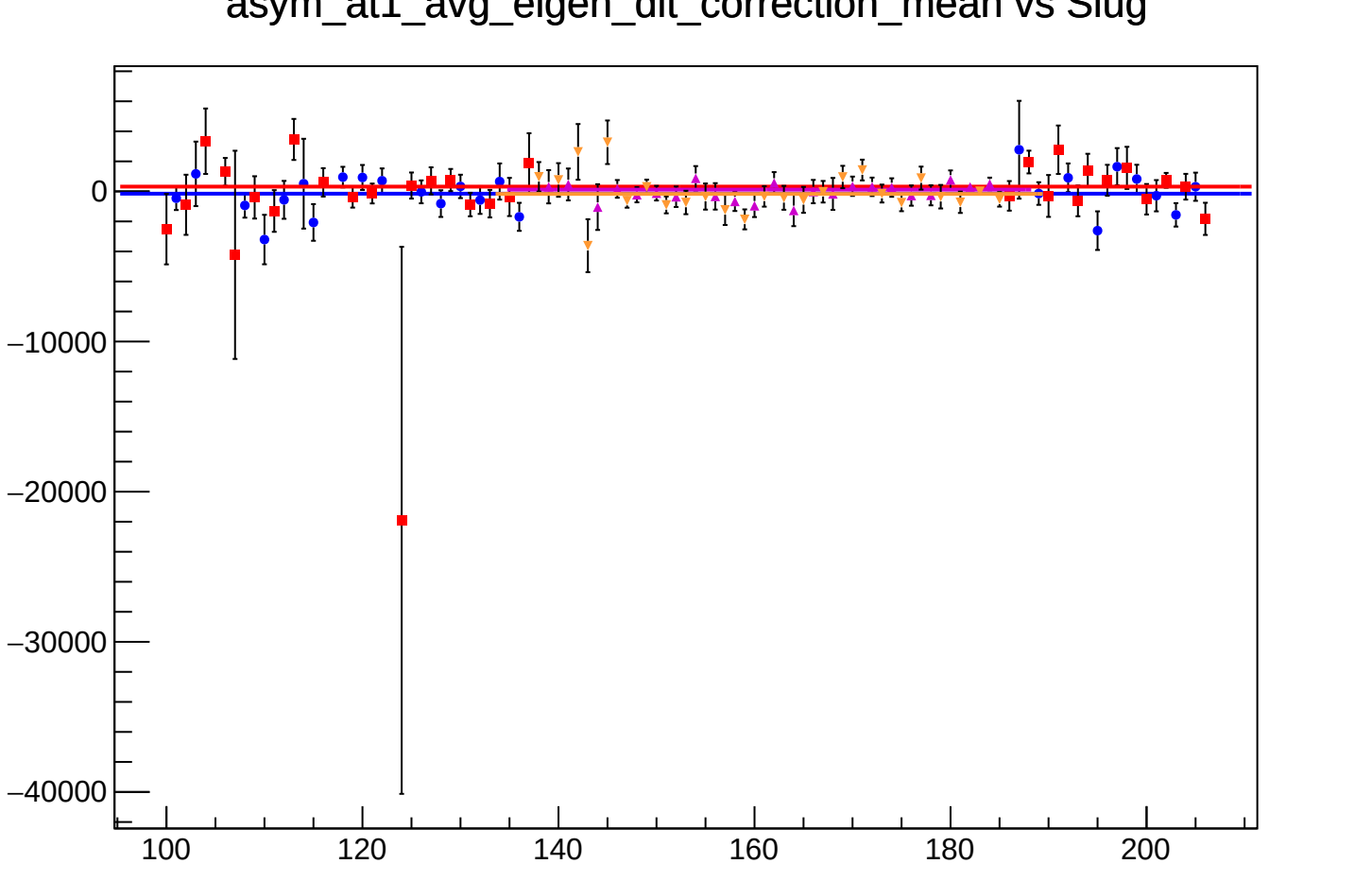
Right Out: 1907.899+/-0.339 χ^2/NDF: 691340.6/30

Left In: 1814.434+/-0.300 χ^2/NDF:2094.6/22

+ sign 1826.569+/-0.225 χ^2/NDF: 902228.0/49

All: 1841.030+/-0.159 χ^2/NDF: 1646654.9/10

- sign 1855.452+/-0.224 χ^2/NDF: 736155.4/53



Right In: -153.083+/-193.024 χ^2/NDF: 29.6/24

Left Out: -167.909+/-121.629 χ^2/NDF:38.3/24

Right Out: 317.446+/-179.178 χ^2/NDF: 36.4/30

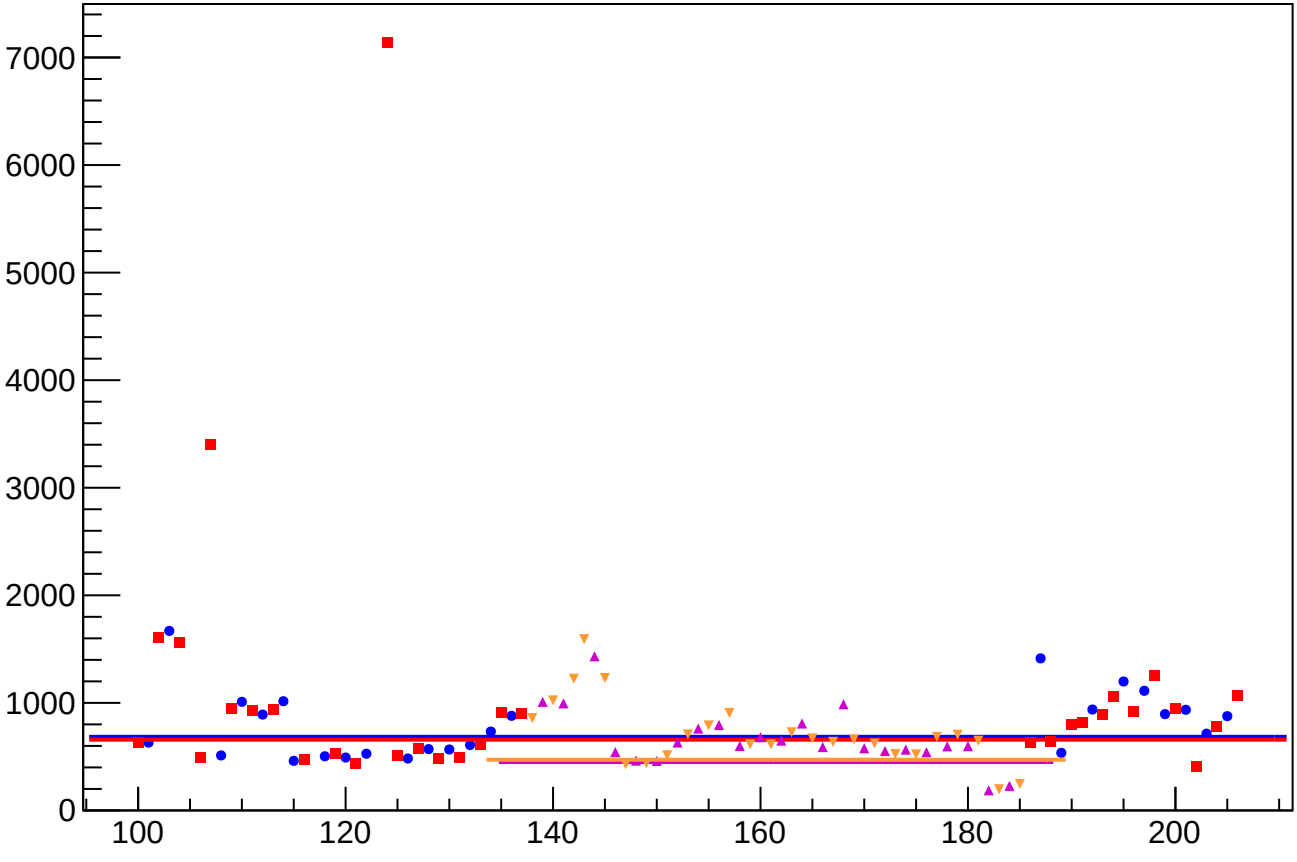
Left In: 117.211+/-119.772 χ^2/NDF:12.3/22

+ sign -163.695+/-102.903 χ^2/NDF: 68.0/49

All: 13.311+/-71.558 χ^2/NDF: 123.3/103

- sign 179.051+/-99.574 χ^2/NDF: 49.5/53

asym_at1_avg_eigen_dit_correction_rms vs Slug



Right In: 684.479+/-0.136 χ^2/NDF: 2566703.9/24

Left Out: 471.778+/-0.086 χ^2/NDF:8112665.9/24

Right Out: 657.899+/-0.127 χ^2/NDF: 4347384.6/30

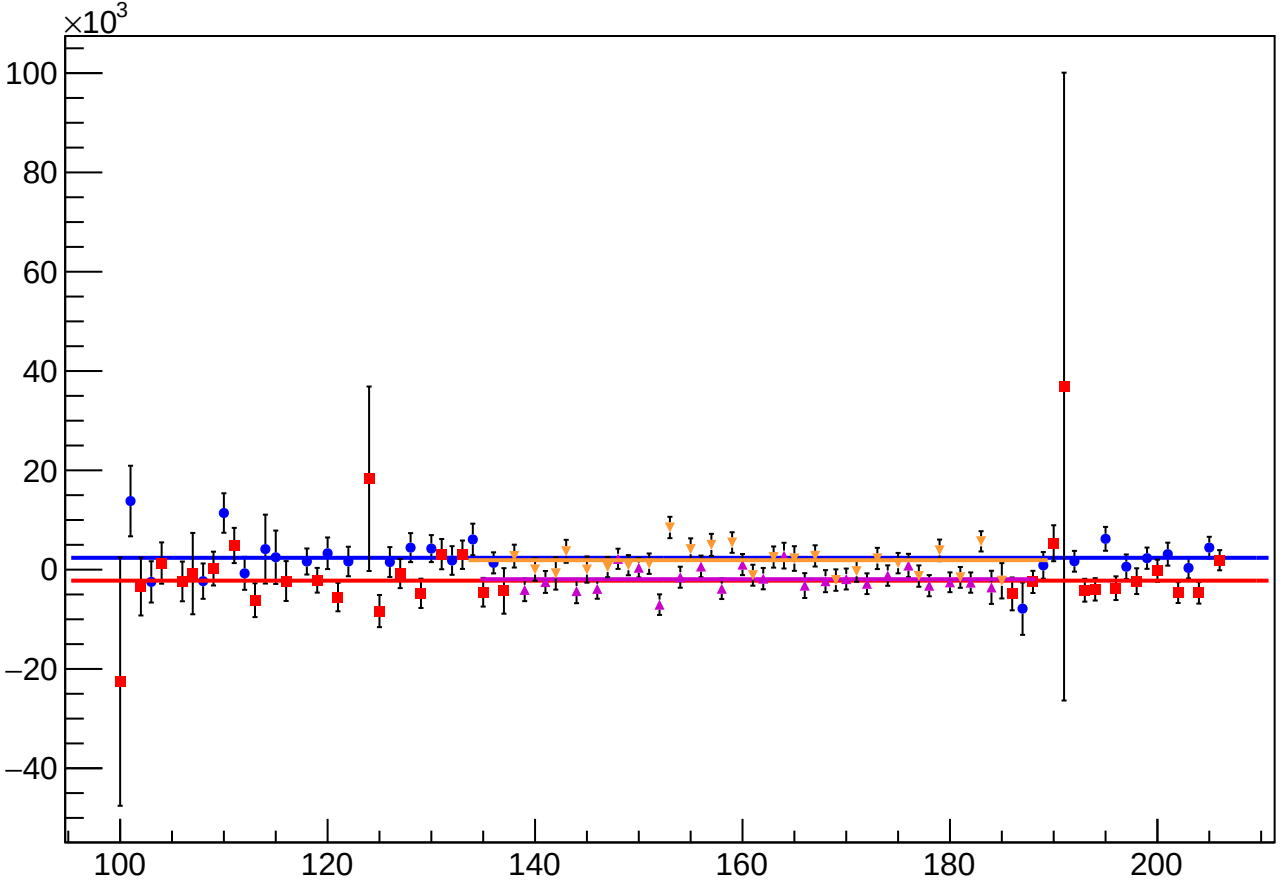
Left In: 450.653+/-0.085 χ^2/NDF:7928317.5/22

\+ sign 532.229+/-0.073 χ^2/NDF: 12417719.9/49

All: 523.154+/-0.051 χ^2/NDF: 26572882.7/10

\- sign 514.657+/-0.070 χ^2/NDF: 14125045.1/53

asym_at1_avg_mean vs Slug



Right In: 2382.552+/-567.631 χ^2/NDF: 23.8/24

Left Out: 1907.369+/-443.523 χ^2/NDF:36.3/24

Right Out: -2217.896+/-538.111 χ^2/NDF: 36.3/30

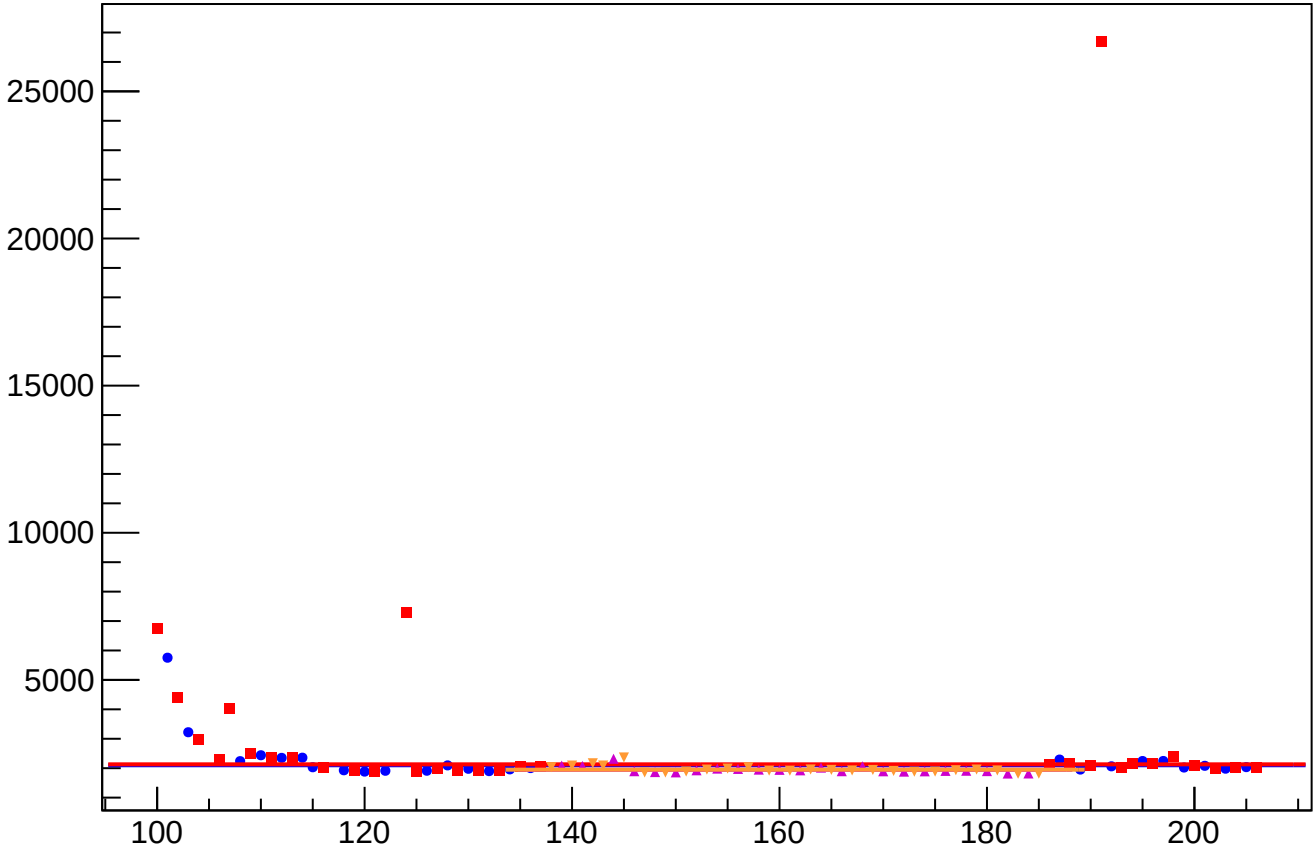
Left In: -1926.570+/-454.880 χ^2/NDF:24.8/22

+ sign 2087.502+/-349.489 χ^2/NDF: 60.5/49

All: 7.308+/-246.381 χ^2/NDF: 192.1/103

- sign -2047.985+/-347.391 χ^2/NDF: 61.2/53

asym_at1_avg_rms vs Slug



Right In: 2099.562+/-0.401 χ^2/NDF: 795039.2/24

Left Out: 1949.001+/-0.314 χ^2/NDF:108523.9/24

Right Out: 2131.192+/-0.381 χ^2/NDF: 1178809.6/30

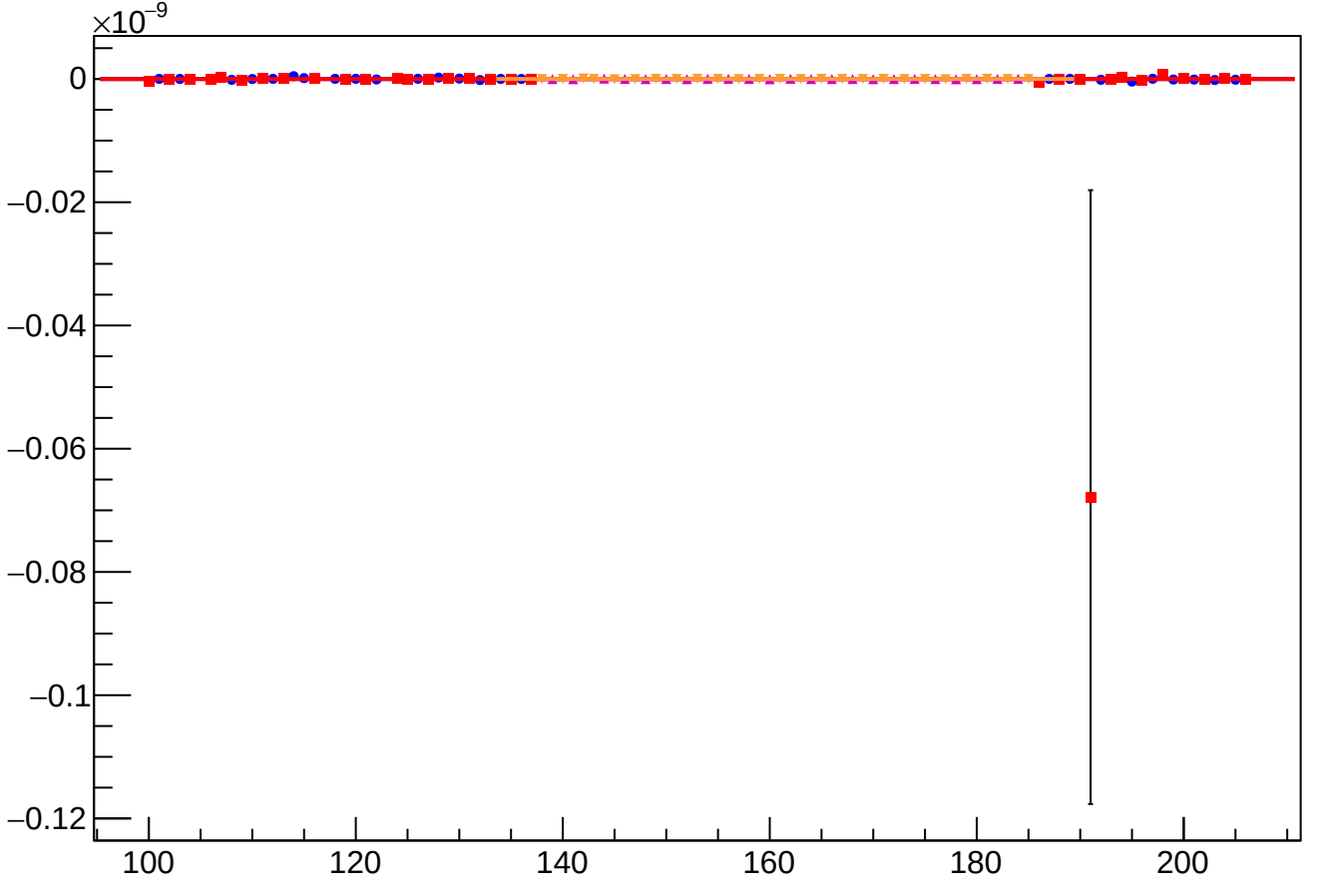
Left In: 1945.132+/-0.322 χ^2/NDF:95954.5/22

+ sign 2006.076+/-0.247 χ^2/NDF: 990932.1/49

All: 2014.426+/-0.174 χ^2/NDF: 2407421.6/10

- sign 2022.676+/-0.246 χ^2/NDF: 1414220.0/53

asym_at1_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/30

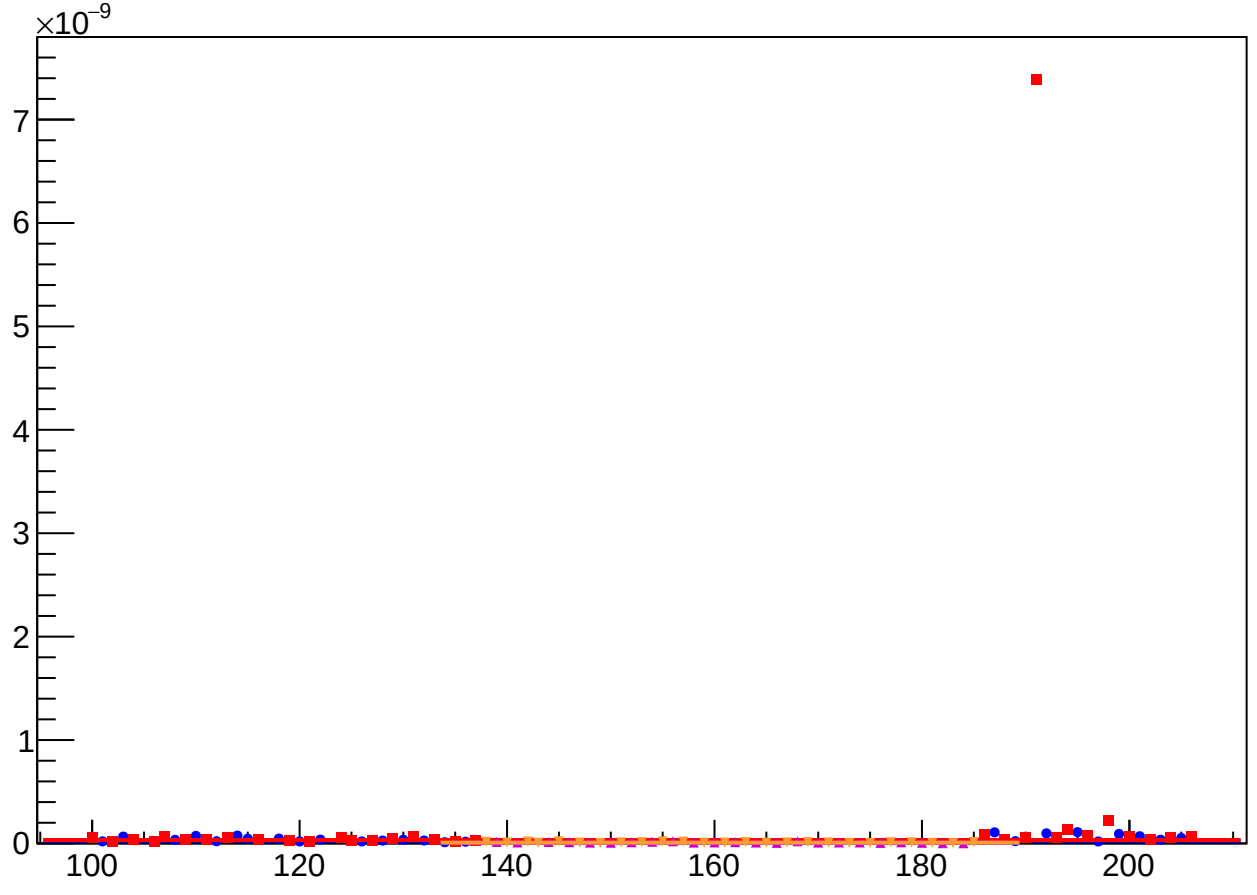
Left In: 0.000+/-0.000 χ^2/NDF:31.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.8/49

All: 0.000+/-0.000 χ^2/NDF: 121.5/103

- sign 0.000+/-0.000 χ^2/NDF: 62.4/53

asym_at1_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2965245.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2160933.2/24

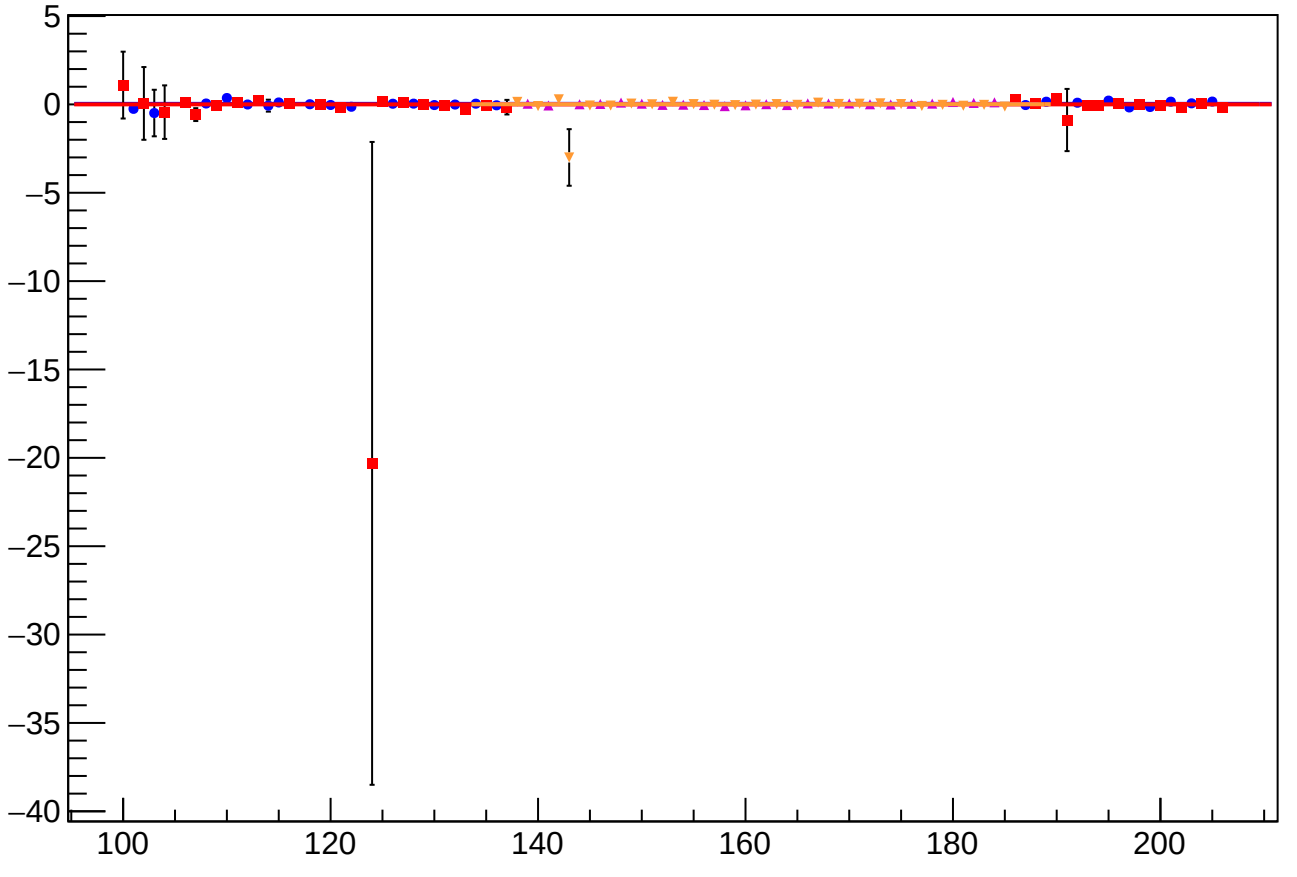
Right Out: 0.000+/-0.000 χ^2/NDF: 3033468.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2613869.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8351632.3/49

All: 0.000+/-0.000 χ^2/NDF: 18826248.8/103

- sign 0.000+/-0.000 χ^2/NDF: 10470898.4/53



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.002+/-0.020 χ^2/NDF: 29.9/30

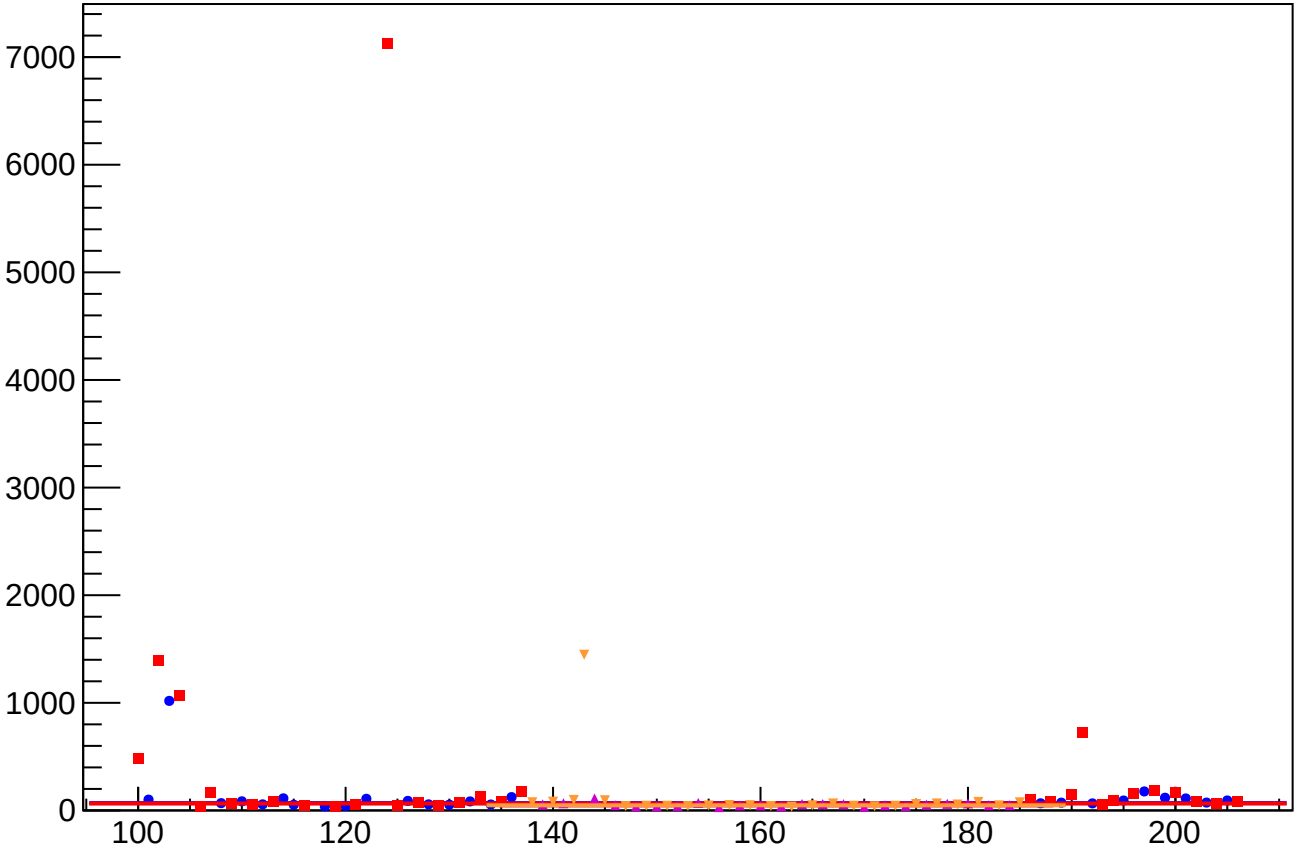
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 51.6/49

All: 0.015+/-0.008 χ^2/NDF: 102.3/103

- sign 0.014+/-0.011 χ^2/NDF: 50.7/53

asym_at1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 68.087+/-0.015 χ^2/NDF: 3876237.4/24

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

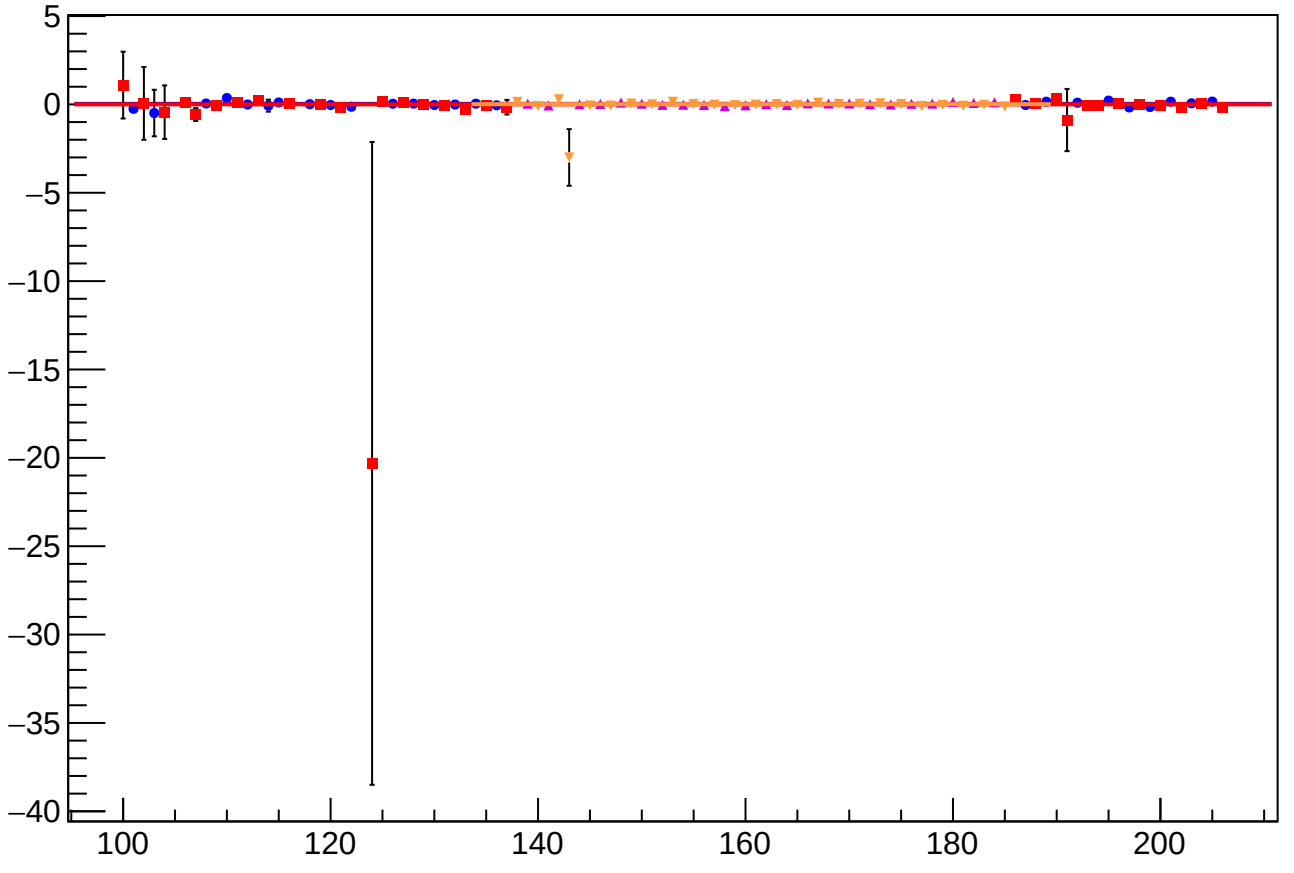
Right Out: 64.794+/-0.014 χ^2/NDF: 6223538.7/30

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 52.843+/-0.008 χ^2/NDF: 8661661.9/49

All: 52.173+/-0.005 χ^2/NDF: 17989793.7/103

- sign 51.540+/-0.007 χ^2/NDF: 9313186.6/53



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.002+/-0.020 χ^2/NDF: 29.9/30

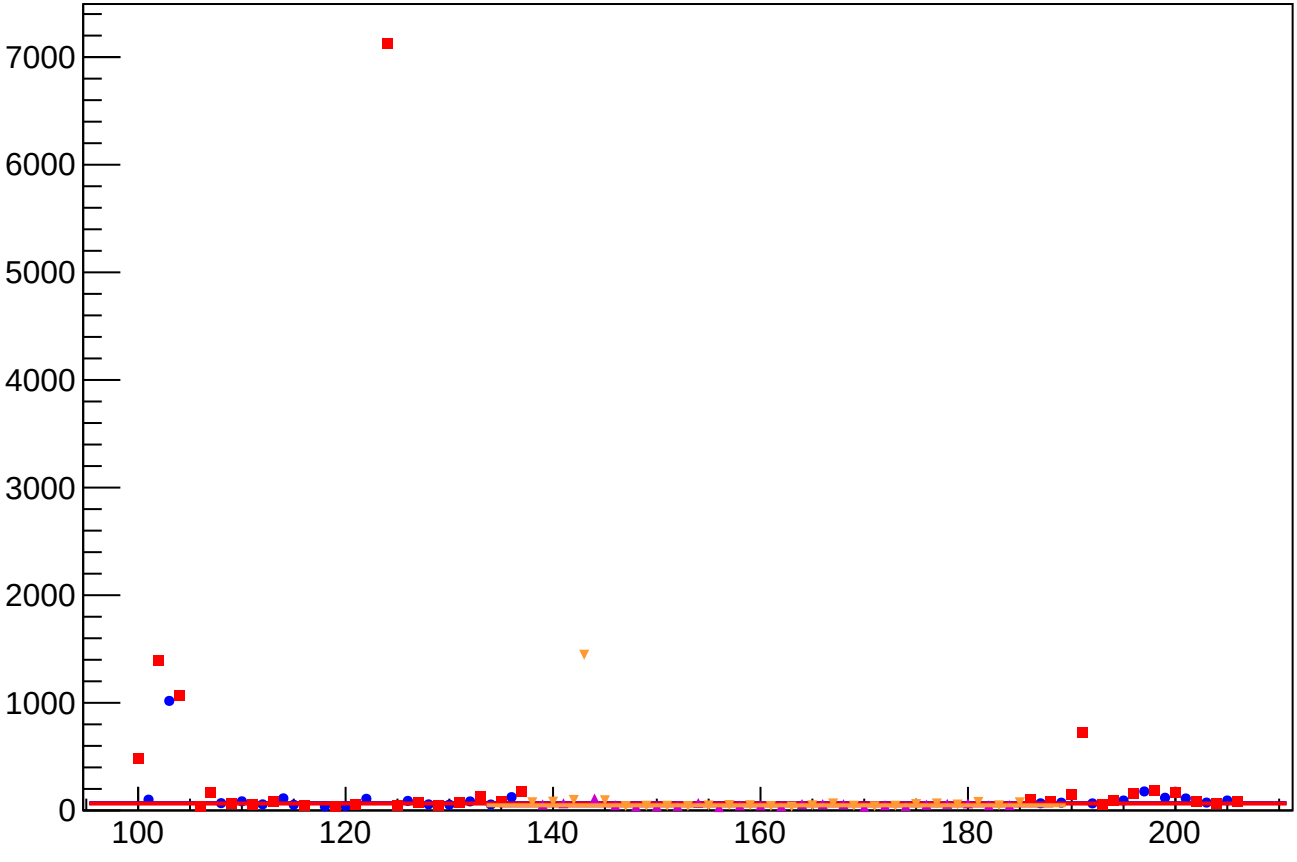
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 51.6/49

All: 0.015+/-0.008 χ^2/NDF: 102.3/103

- sign 0.014+/-0.011 χ^2/NDF: 50.7/53

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.087+/-0.015 χ^2/NDF: 3876237.4/24

Left Out: 47.901+/-0.009 χ^2/NDF:3496596.6/24

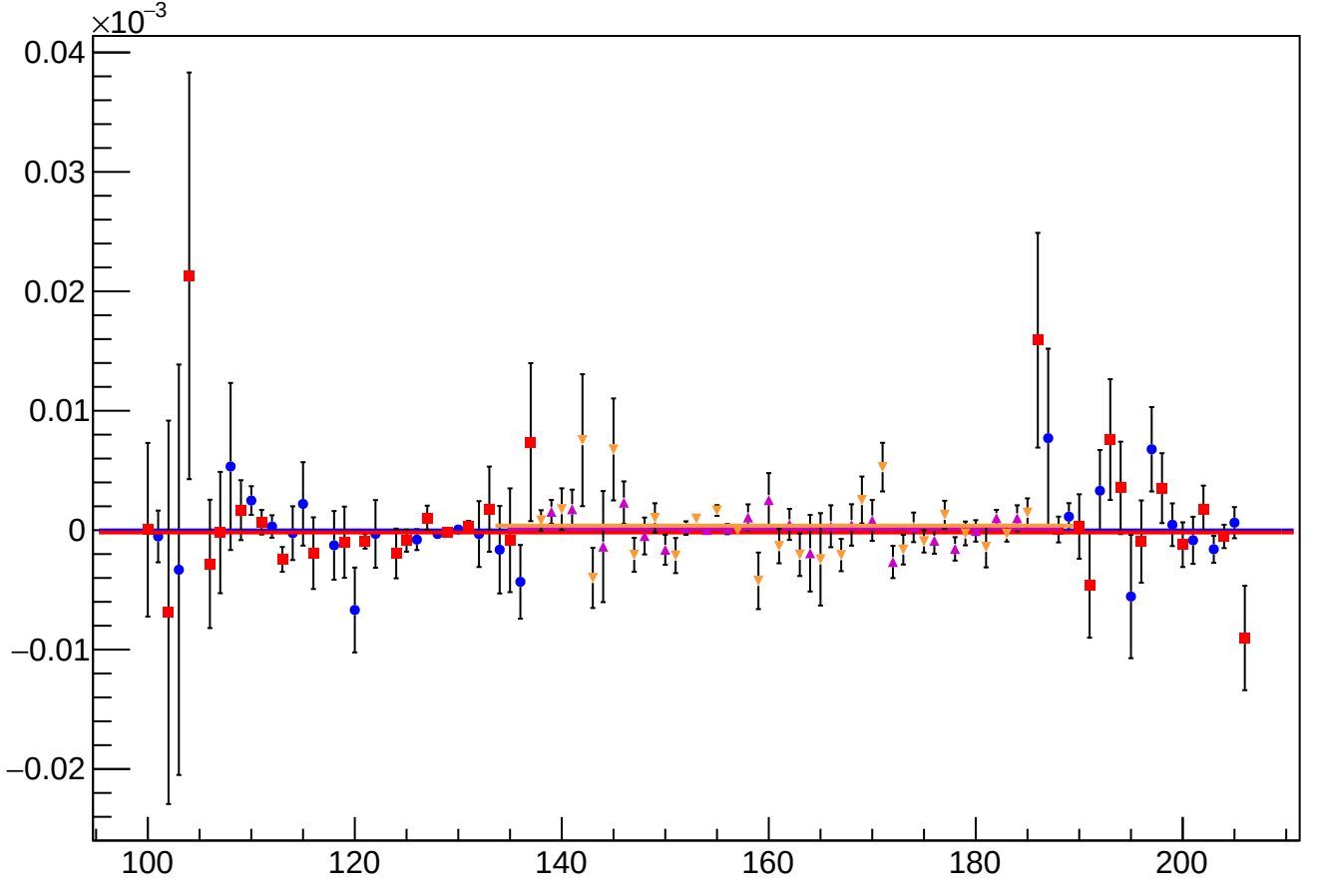
Right Out: 64.794+/-0.014 χ^2/NDF: 6223538.7/30

Left In: 46.786+/-0.009 χ^2/NDF:1949486.1/22

+ sign 52.843+/-0.008 χ^2/NDF: 8661661.9/49

All: 52.173+/-0.005 χ^2/NDF: 17989793.7/103

- sign 51.540+/-0.007 χ^2/NDF: 9313186.6/53



Right In: -0.000+/-0.000 χ^2/NDF: 23.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:51.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.4/30

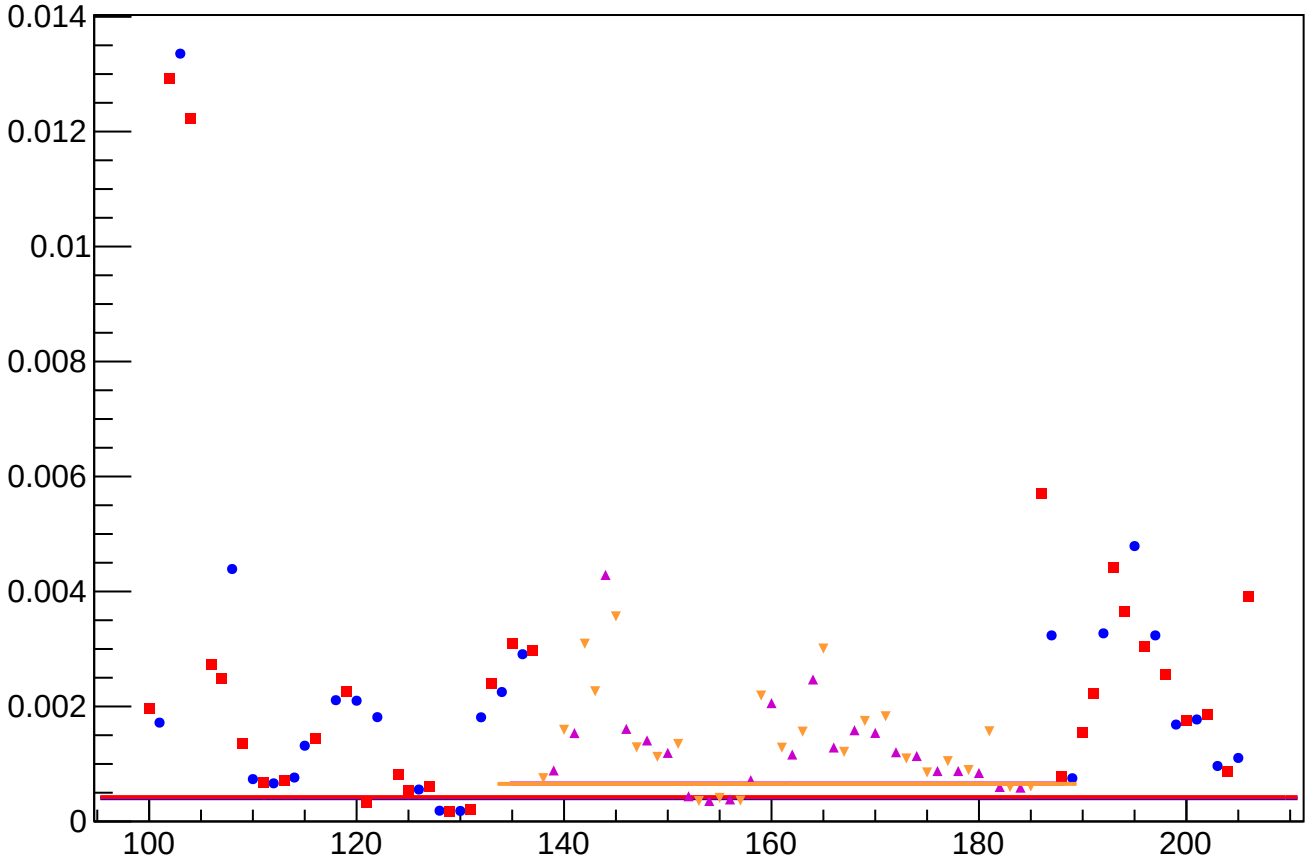
Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 77.3/49

All: 0.000+/-0.000 χ^2/NDF: 130.4/103

- sign -0.000+/-0.000 χ^2/NDF: 51.8/53

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16921722.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:12083891.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 18808502.3/30

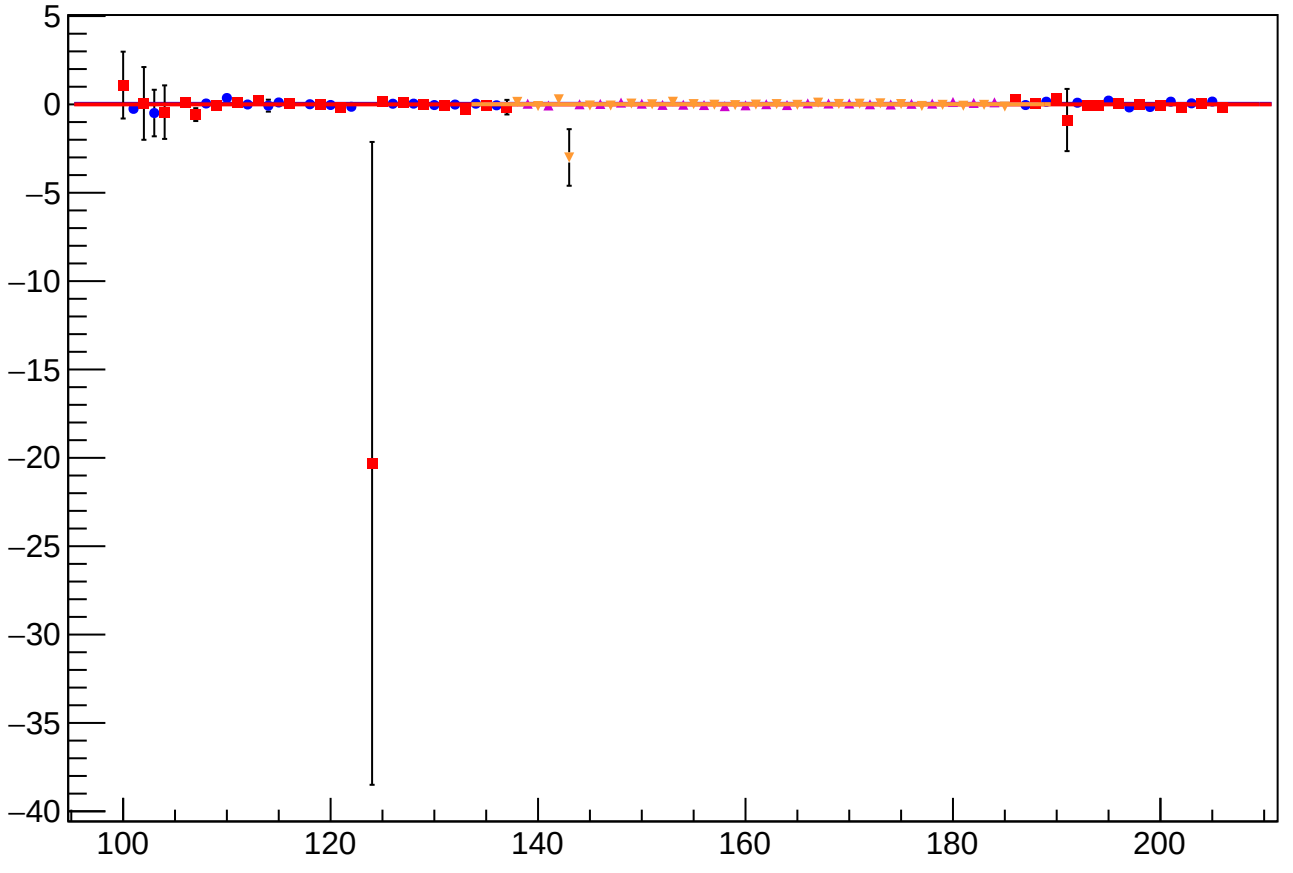
Left In: 0.001+/-0.000 χ^2/NDF:9695095.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 30859989.1/49

All: 0.001+/-0.000 χ^2/NDF: 61008409.9/103

- sign 0.001+/-0.000 χ^2/NDF: 30143694.9/53

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.002+/-0.020 χ^2/NDF: 29.9/30

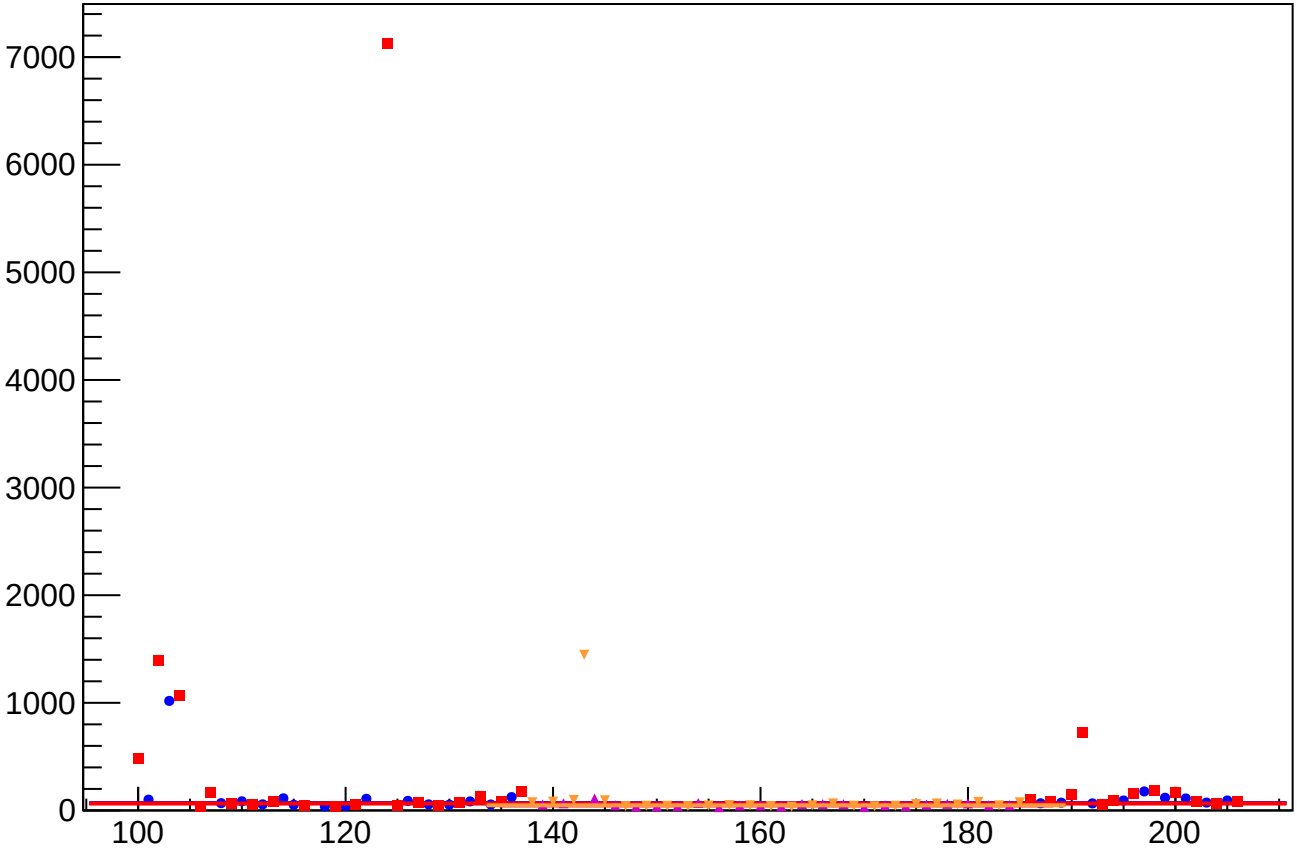
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 51.6/49

All: 0.015+/-0.008 χ^2/NDF: 102.3/103

- sign 0.014+/-0.011 χ^2/NDF: 50.7/53

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.087+/-0.015 χ^2/NDF: 3876288.5/24

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

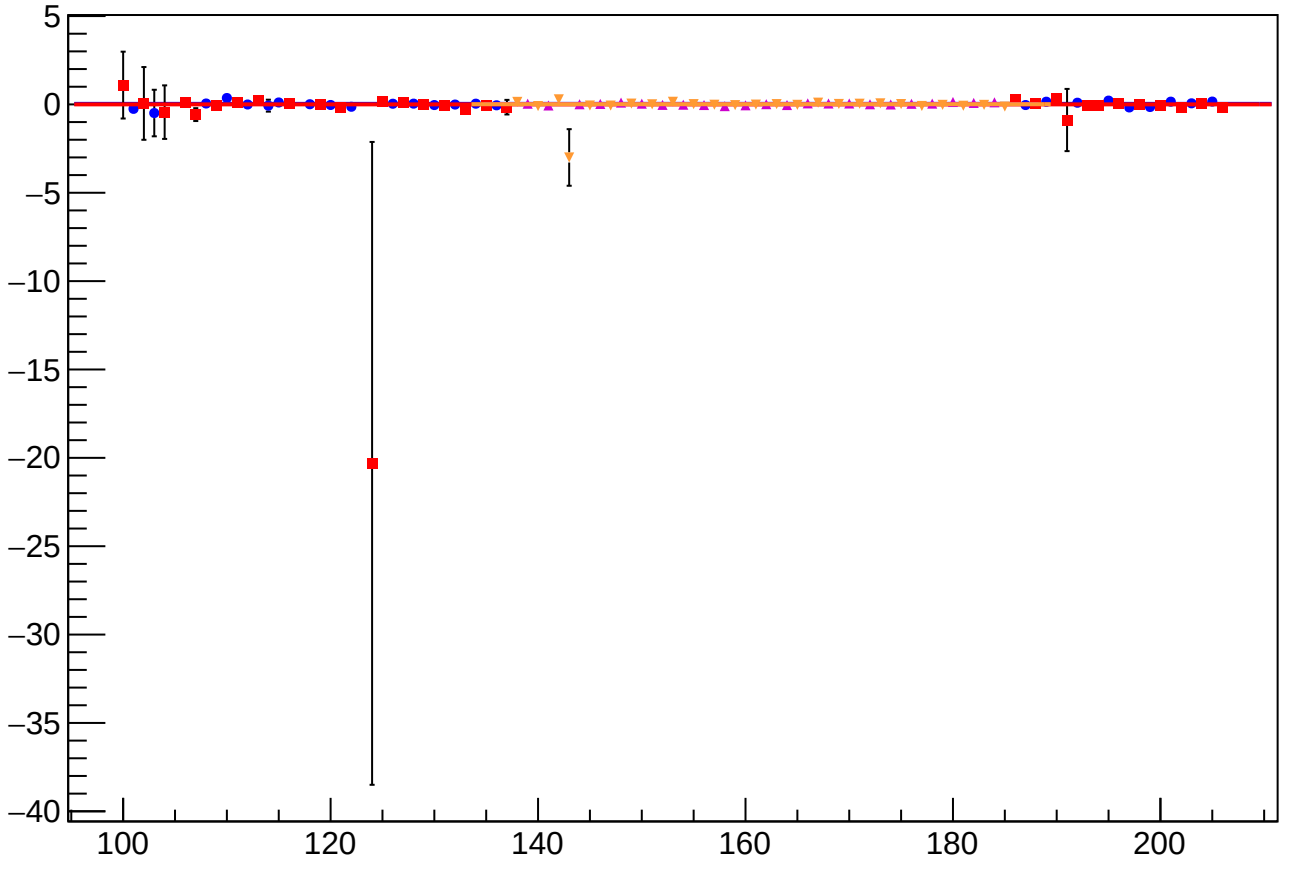
Right Out: 64.794+/-0.014 χ^2/NDF: 6223733.5/30

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 52.843+/-0.008 χ^2/NDF: 8661658.5/49

All: 52.173+/-0.005 χ^2/NDF: 17989900.9/103

- sign 51.539+/-0.007 χ^2/NDF: 9313288.9/53



Right In: 0.030+/-0.022 χ^2/NDF: 21.5/24

Left Out: 0.011+/-0.012 χ^2/NDF:29.6/24

Right Out: 0.002+/-0.020 χ^2/NDF: 29.9/30

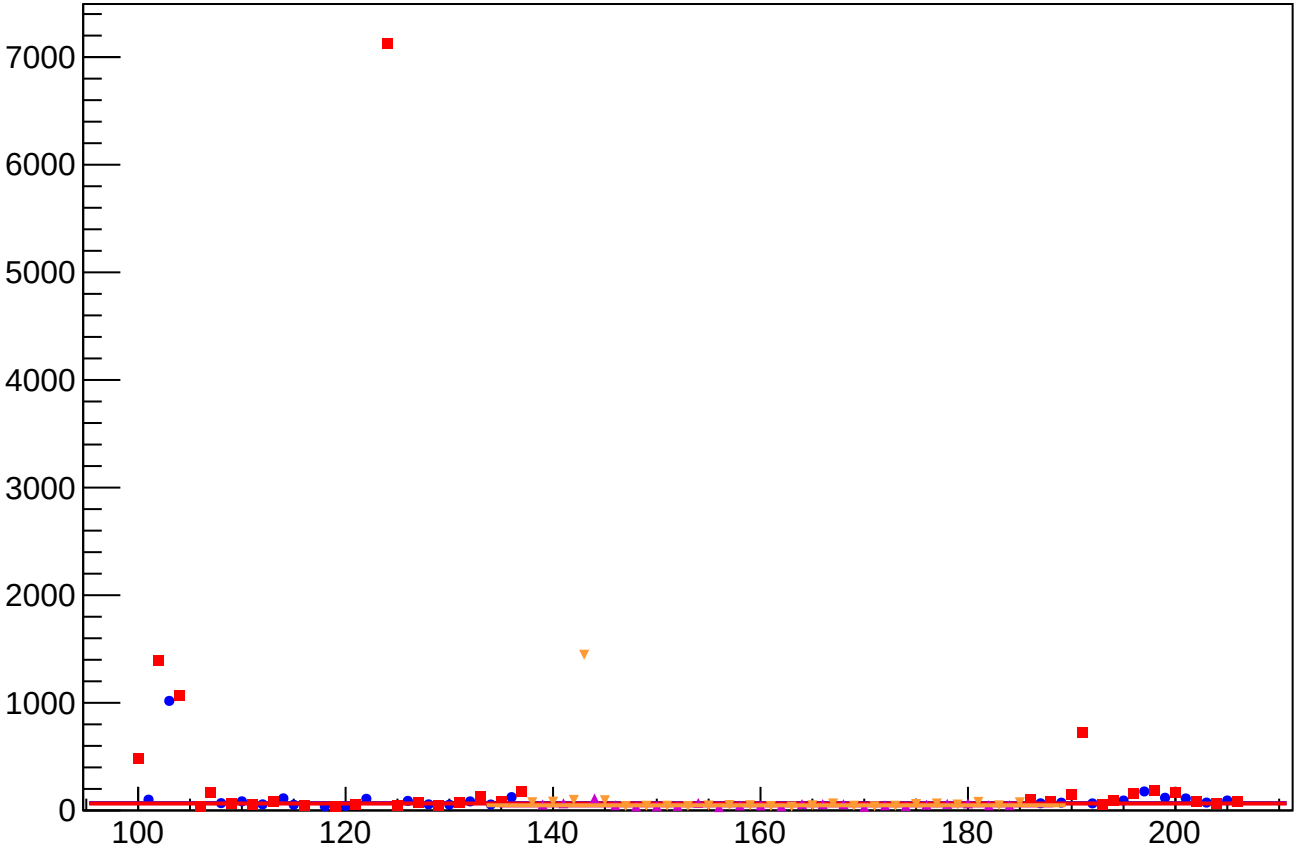
Left In: 0.018+/-0.012 χ^2/NDF:20.3/22

+ sign 0.016+/-0.011 χ^2/NDF: 51.6/49

All: 0.015+/-0.008 χ^2/NDF: 102.3/103

- sign 0.014+/-0.011 χ^2/NDF: 50.7/53

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.087+/-0.015 χ^2/NDF: 3876288.5/24

Left Out: 47.902+/-0.009 χ^2/NDF:3496571.8/24

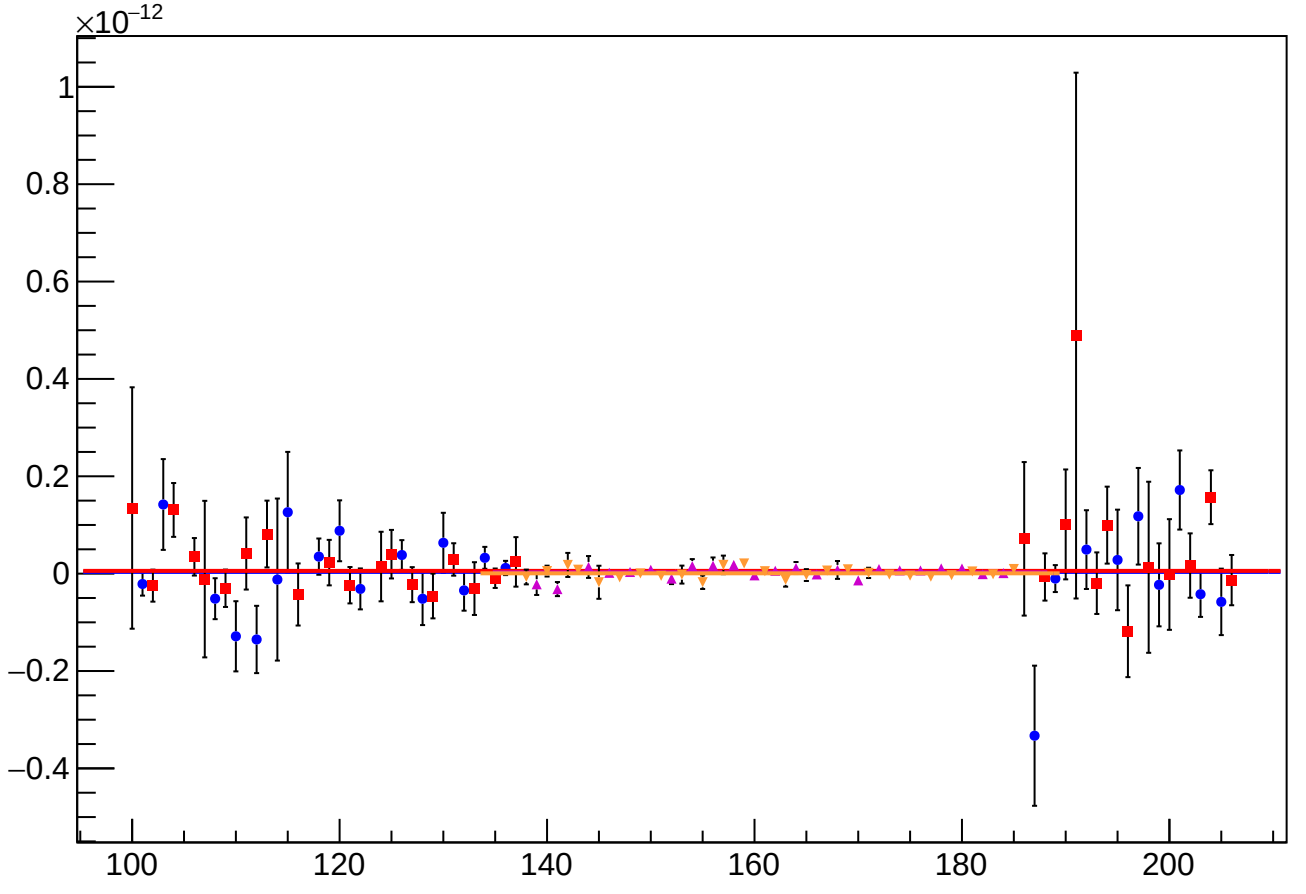
Right Out: 64.794+/-0.014 χ^2/NDF: 6223733.5/30

Left In: 46.786+/-0.009 χ^2/NDF:1949480.3/22

+ sign 52.843+/-0.008 χ^2/NDF: 8661658.5/49

All: 52.173+/-0.005 χ^2/NDF: 17989900.9/103

- sign 51.539+/-0.007 χ^2/NDF: 9313288.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 36.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.1/24

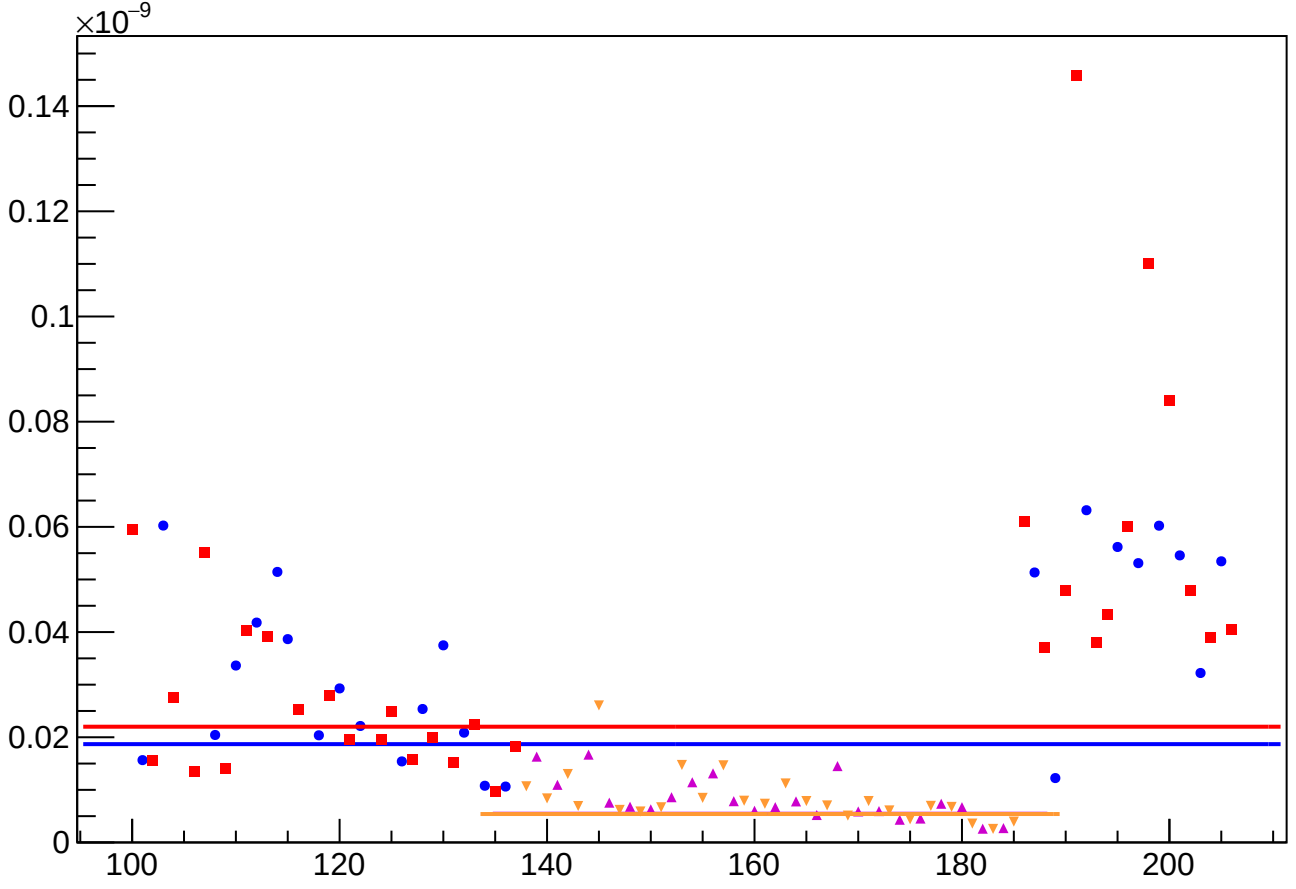
Right Out: 0.000+/-0.000 χ^2/NDF: 27.2/30

Left In: 0.000+/-0.000 χ^2/NDF:21.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.5/49

All: 0.000+/-0.000 χ^2/NDF: 101.2/103

- sign 0.000+/-0.000 χ^2/NDF: 49.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 4917815.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:5134602.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4610117.0/30

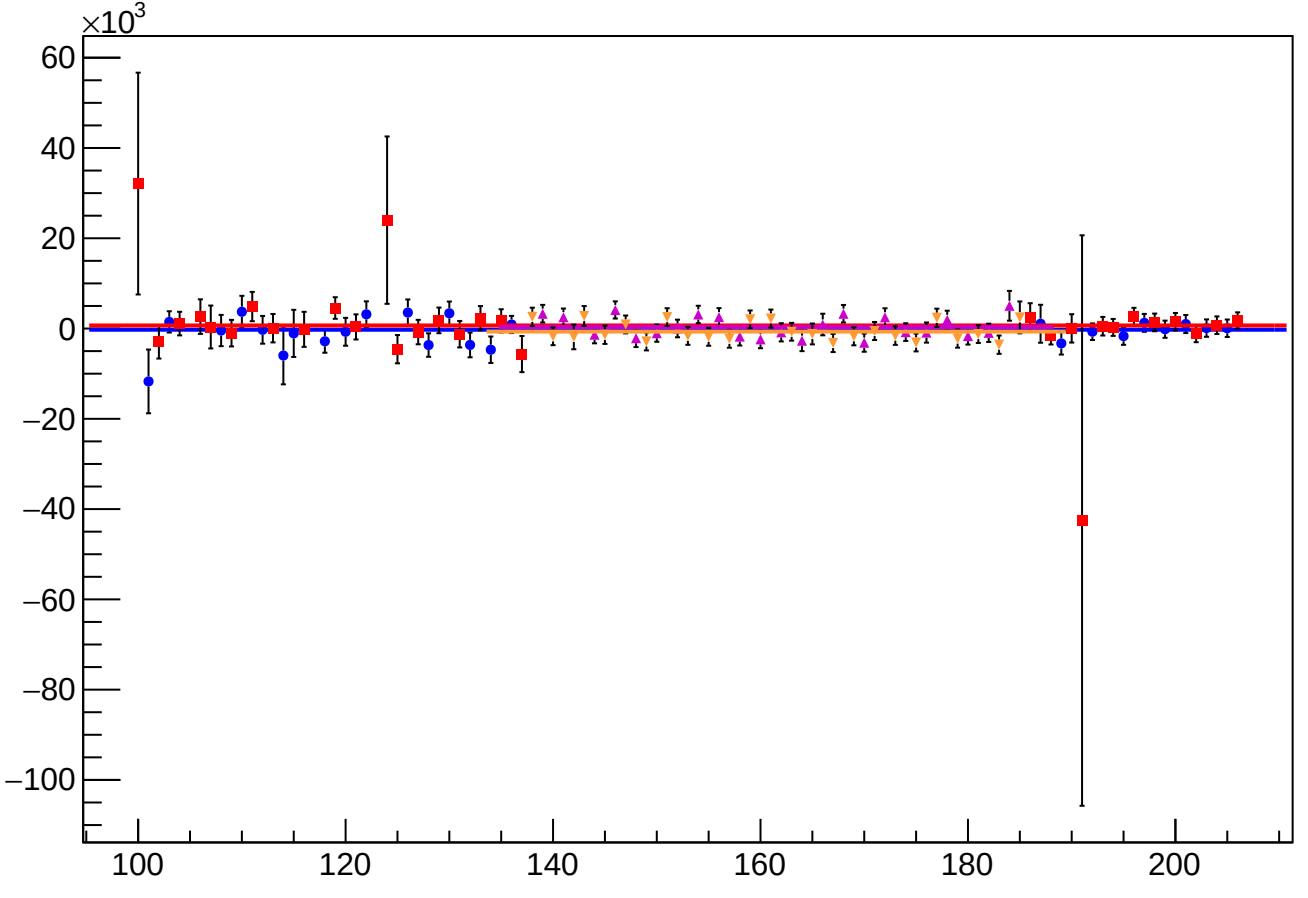
Left In: 0.000+/-0.000 χ^2/NDF:4905821.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 15463808.4/49

All: 0.000+/-0.000 χ^2/NDF: 31605560.3/103

- sign 0.000+/-0.000 χ^2/NDF: 16138891.7/53

reg_asym_at1_dd_mean vs Slug



Right In: -260.375+/-503.142 χ^2/NDF: 20.5/24

Left Out: -670.041+/-412.206 χ^2/NDF:24.7/24

Right Out: 684.748+/-472.967 χ^2/NDF: 20.7/30

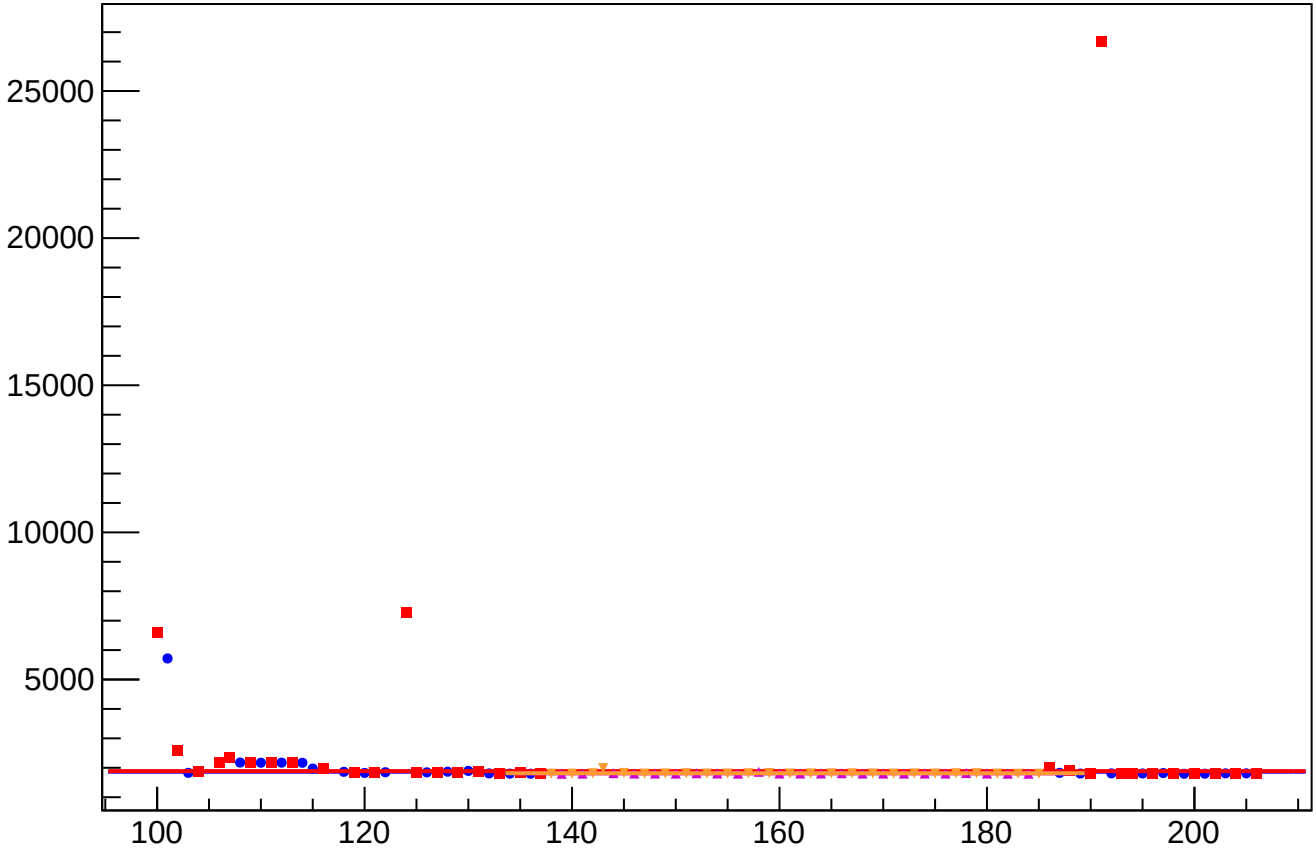
Left In: 342.945+/-422.712 χ^2/NDF:30.1/22

+ sign -505.509+/-318.861 χ^2/NDF: 45.6/49

All: 0.420+/-224.155 χ^2/NDF: 101.7/103

- sign 494.729+/-315.178 χ^2/NDF: 51.1/53

reg_asym_at1_dd_rms vs Slug



Right In: 1867.368+/-0.356 χ^2/NDF: 671284.5/24

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1884.988+/-0.334 χ^2/NDF: 746973.0/30

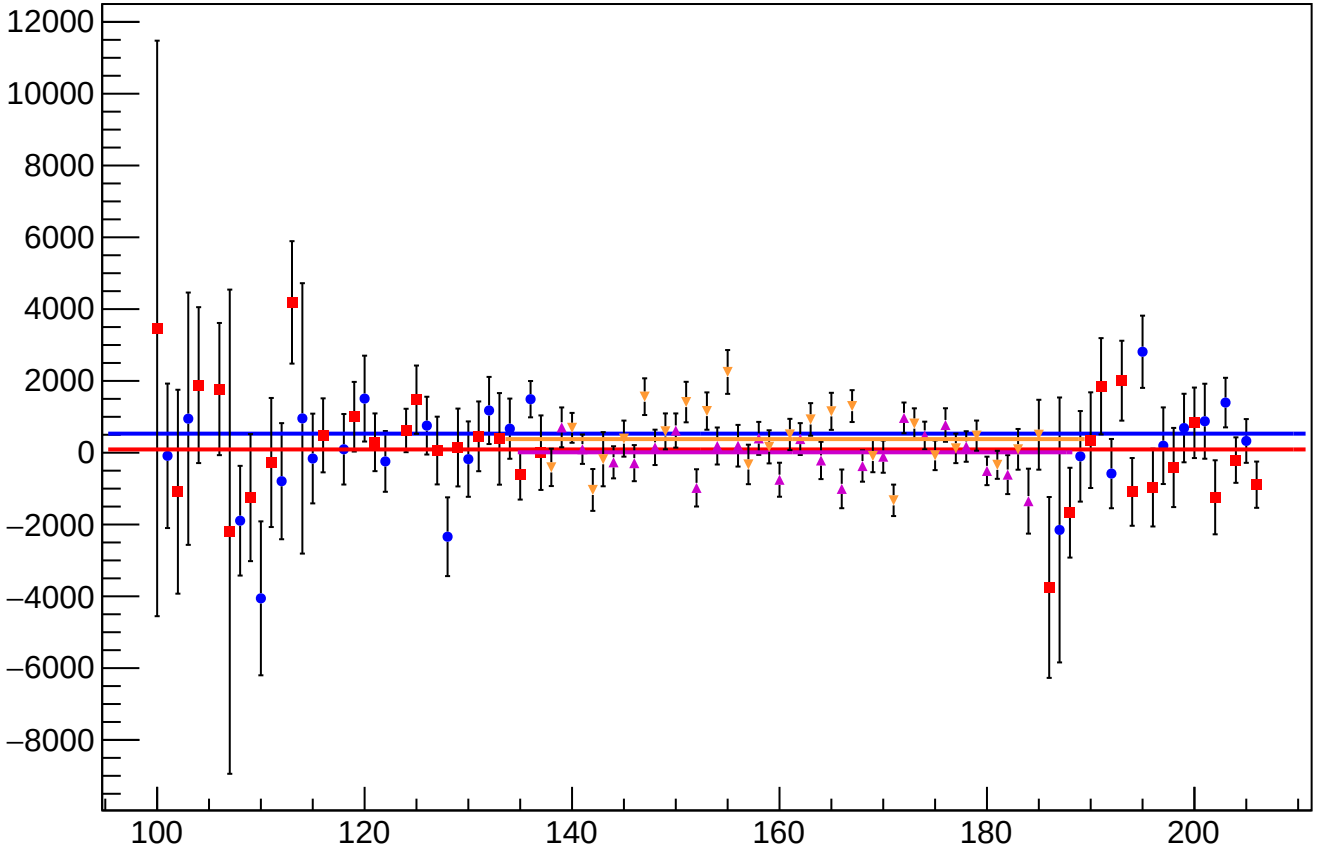
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1835.694+/-0.225 χ^2/NDF: 697632.7/49

All: 1839.670+/-0.159 χ^2/NDF: 1474797.1/10

- sign 1843.554+/-0.223 χ^2/NDF: 776549.7/53

asym_at1_dd_reg_correction_mean vs Slug



Right In: 531.212+/-198.407 χ^2/NDF: 30.5/24

Left Out: 379.353+/-97.013 χ^2/NDF:62.3/24

Right Out: 91.432+/-188.836 χ^2/NDF: 30.1/30

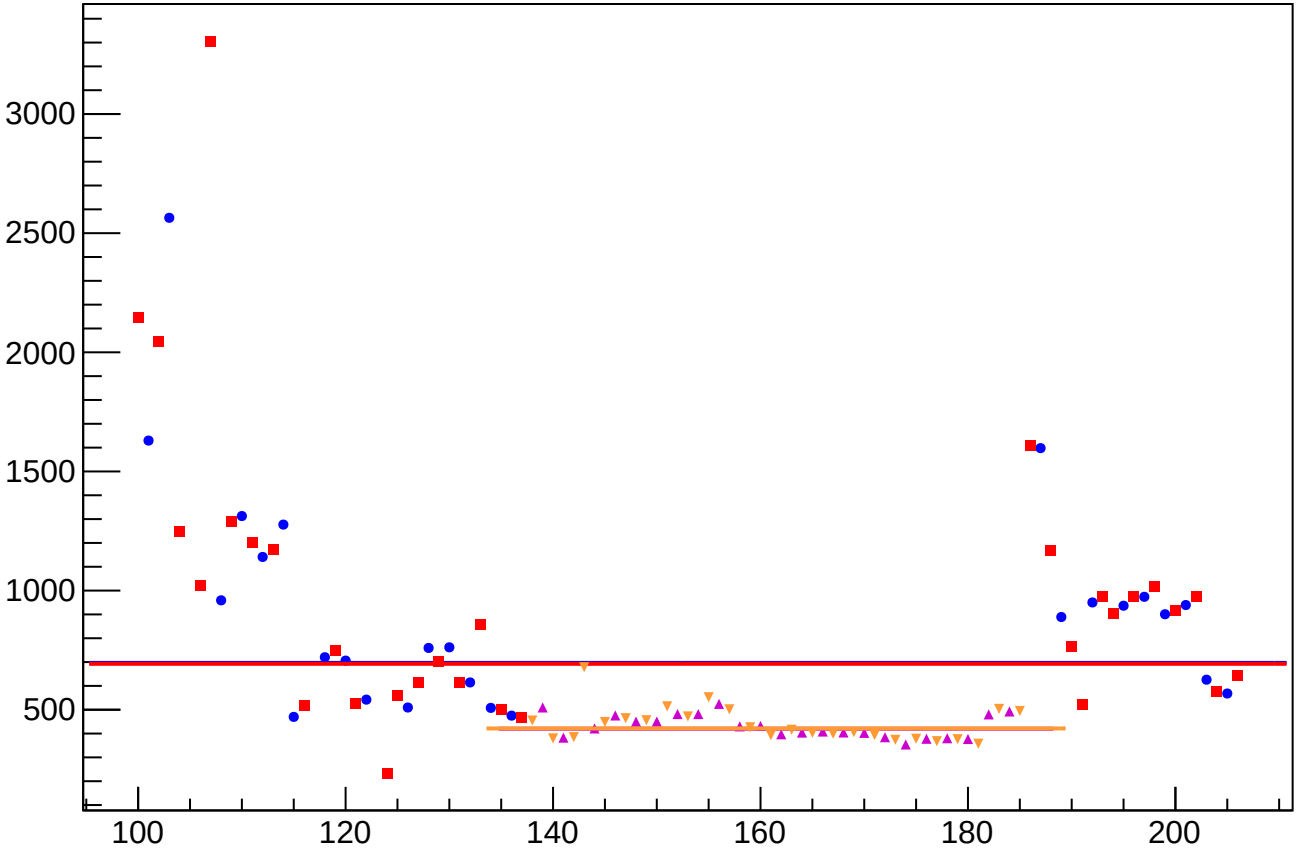
Left In: 11.527+/-98.976 χ^2/NDF:31.1/22

+ sign 408.654+/-87.153 χ^2/NDF: 93.3/49

All: 219.813+/-61.806 χ^2/NDF: 164.1/103

- sign 28.748+/-87.664 χ^2/NDF: 61.3/53

asym_at1_dd_reg_correction_rms vs Slug



Right In: 696.465+/-0.140 χ^2/NDF: 3036412.2/24

Left Out: 421.417+/-0.069 χ^2/NDF:743048.1/24

Right Out: 692.712+/-0.134 χ^2/NDF: 4674859.5/30

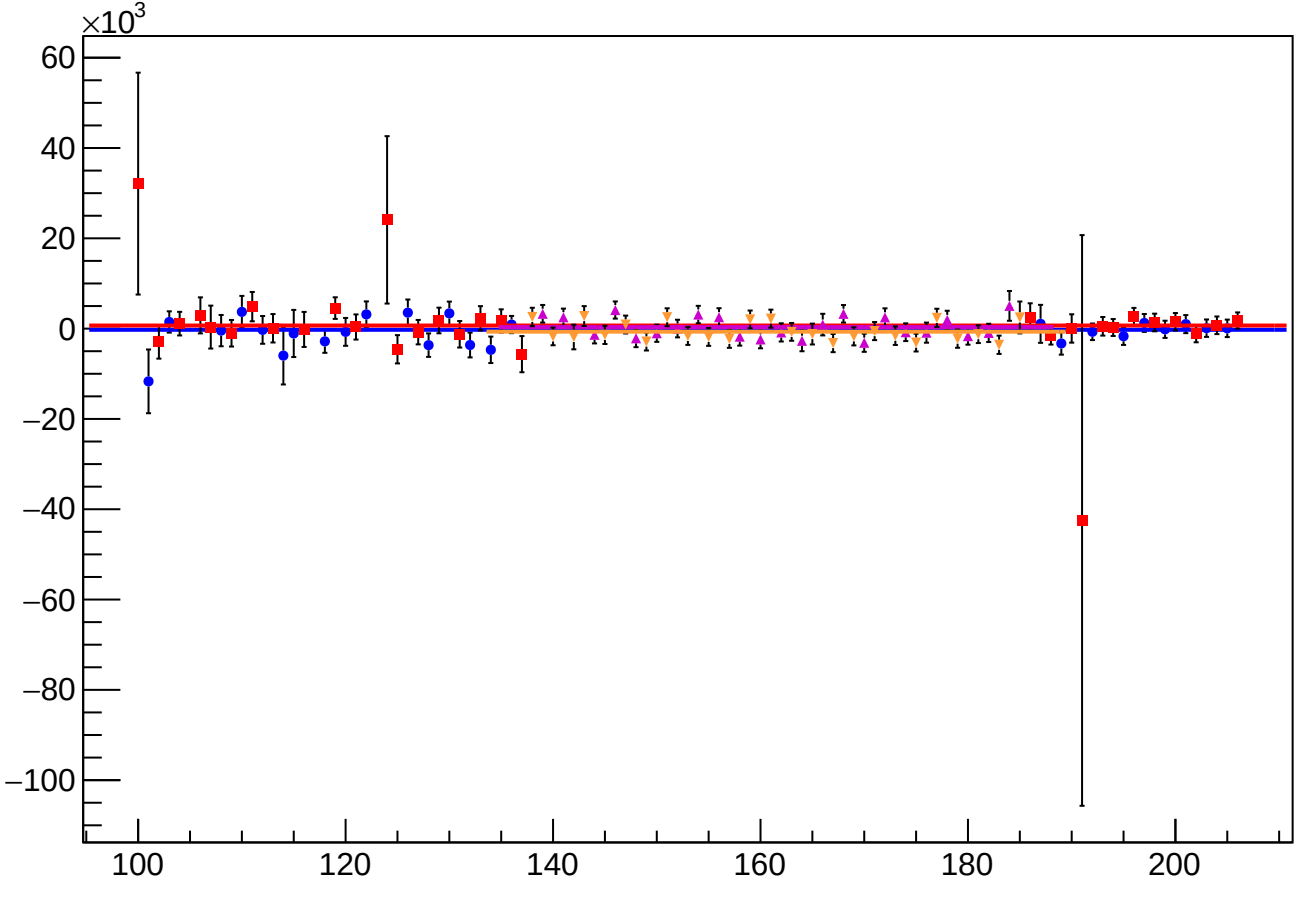
Left In: 420.222+/-0.070 χ^2/NDF:413129.7/22

+ sign 474.487+/-0.062 χ^2/NDF: 6881391.1/49

All: 476.705+/-0.044 χ^2/NDF: 15238982.3/10

- sign 478.948+/-0.062 χ^2/NDF: 8354986.8/53

cor_asym_at1_dd_mean vs Slug



Right In: -259.976+/-503.143 χ^2/NDF: 20.5/24

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 686.715+/-473.252 χ^2/NDF: 20.8/30

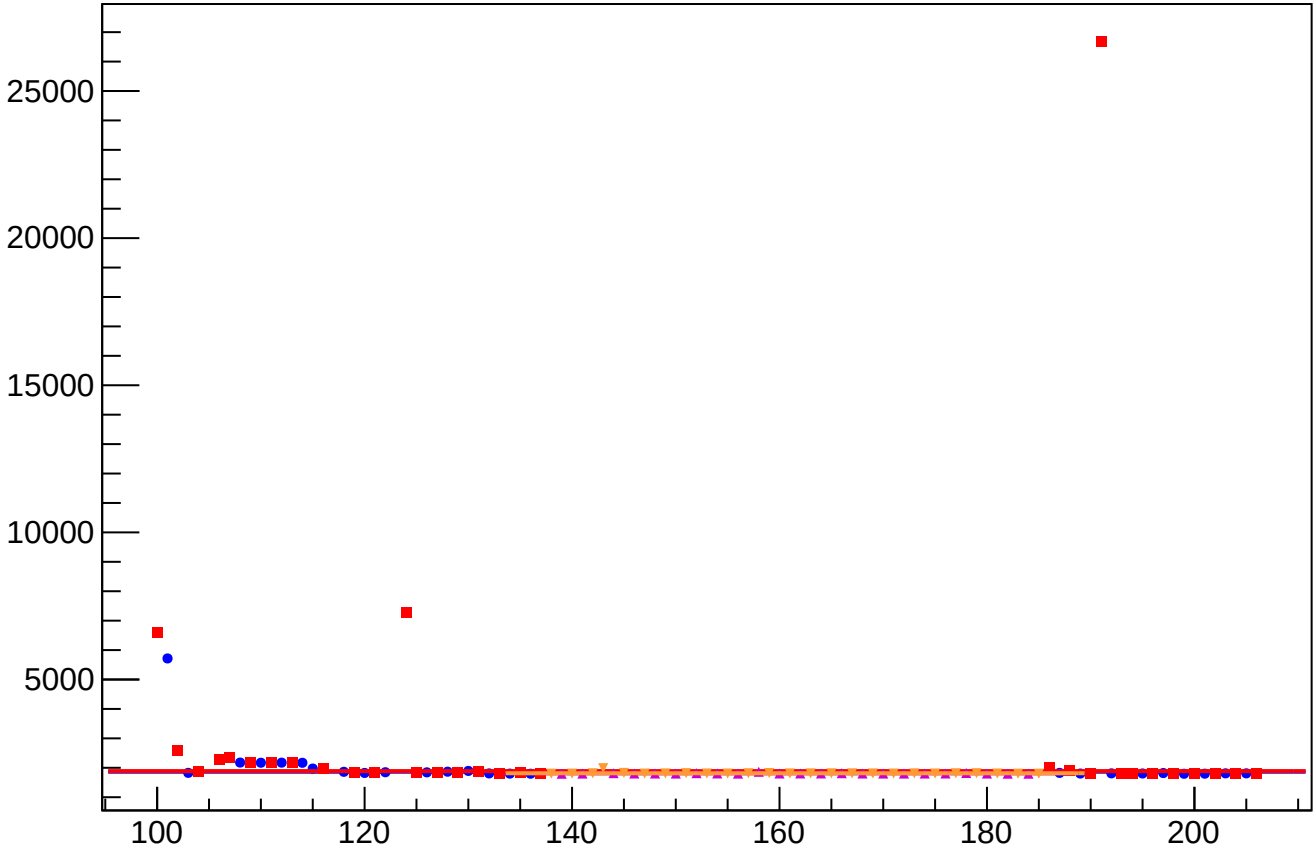
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -505.343+/-318.861 χ^2/NDF: 45.6/49

All: 0.771+/-224.185 χ^2/NDF: 101.7/103

- sign 495.525+/-315.262 χ^2/NDF: 51.1/53

cor_asym_at1_dd_rms vs Slug



Right In: 1867.368+/-0.356 χ^2/NDF: 671284.4/24

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1885.775+/-0.335 χ^2/NDF: 753042.8/30

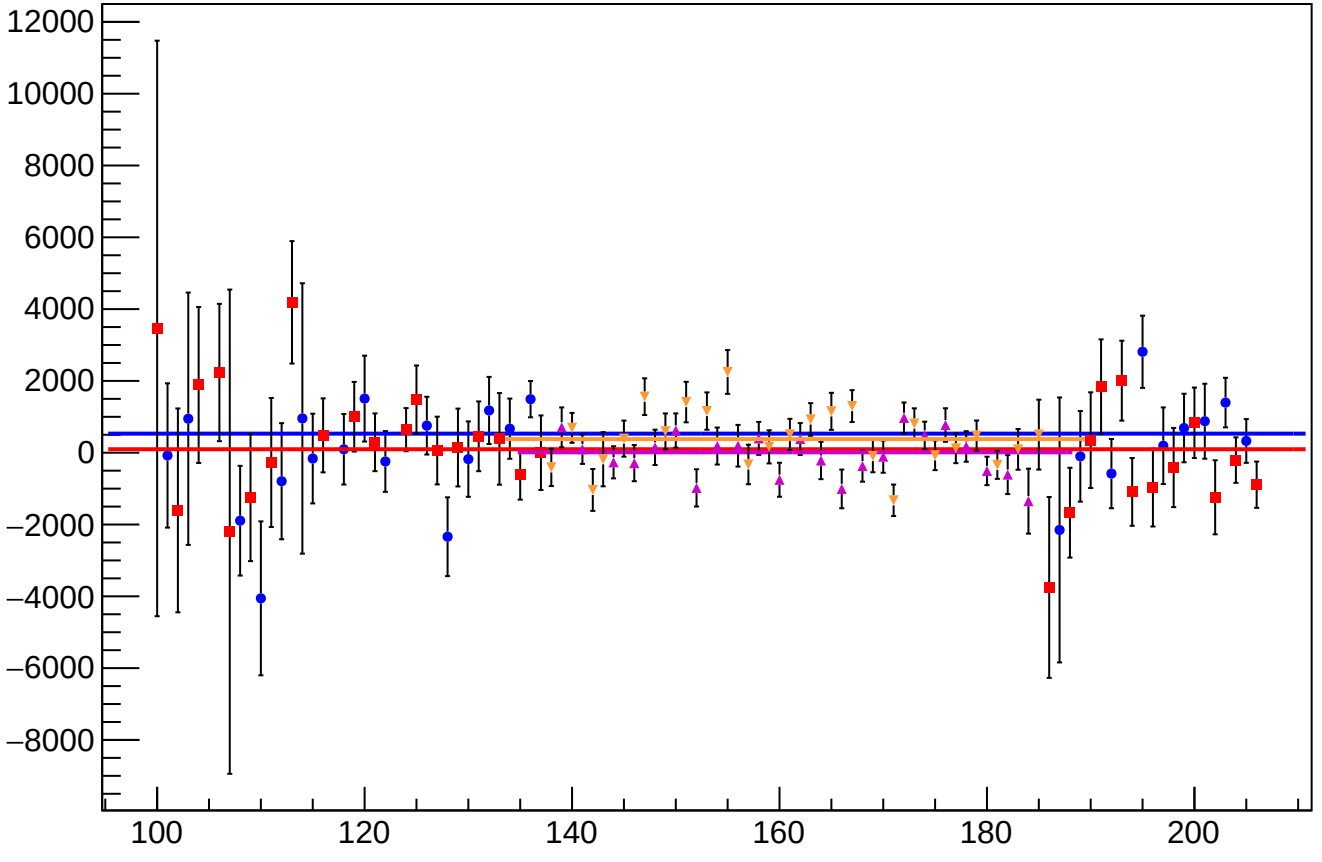
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1835.694+/-0.225 χ^2/NDF: 697632.6/49

All: 1839.834+/-0.159 χ^2/NDF: 1481486.4/10

- sign 1843.881+/-0.223 χ^2/NDF: 783187.0/53

asym_at1_dd_cor_correction_mean vs Slug



Right In: 531.253+/-198.403 χ^2/NDF: 30.5/24

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

Right Out: 96.699+/-188.693 χ^2/NDF: 30.8/30

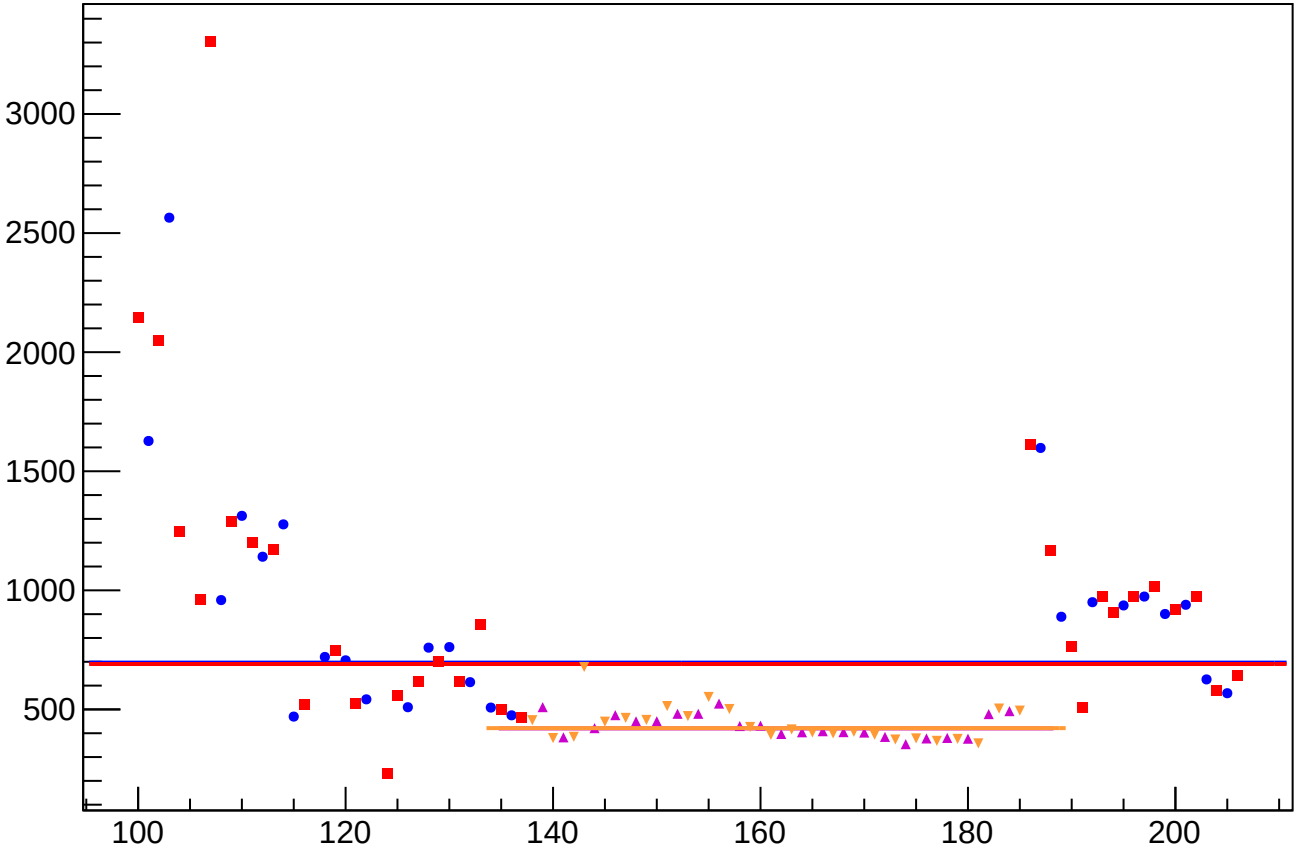
Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 408.656+/-87.153 χ^2/NDF: 93.3/49

All: 220.361+/-61.801 χ^2/NDF: 164.8/103

- sign 29.914+/-87.649 χ^2/NDF: 62.1/53

asym_at1_dd_cor_correction_rms vs Slug



Right In: 696.463+/-0.140 χ^2/NDF: 3035582.6/24

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 690.657+/-0.133 χ^2/NDF: 4685218.0/30

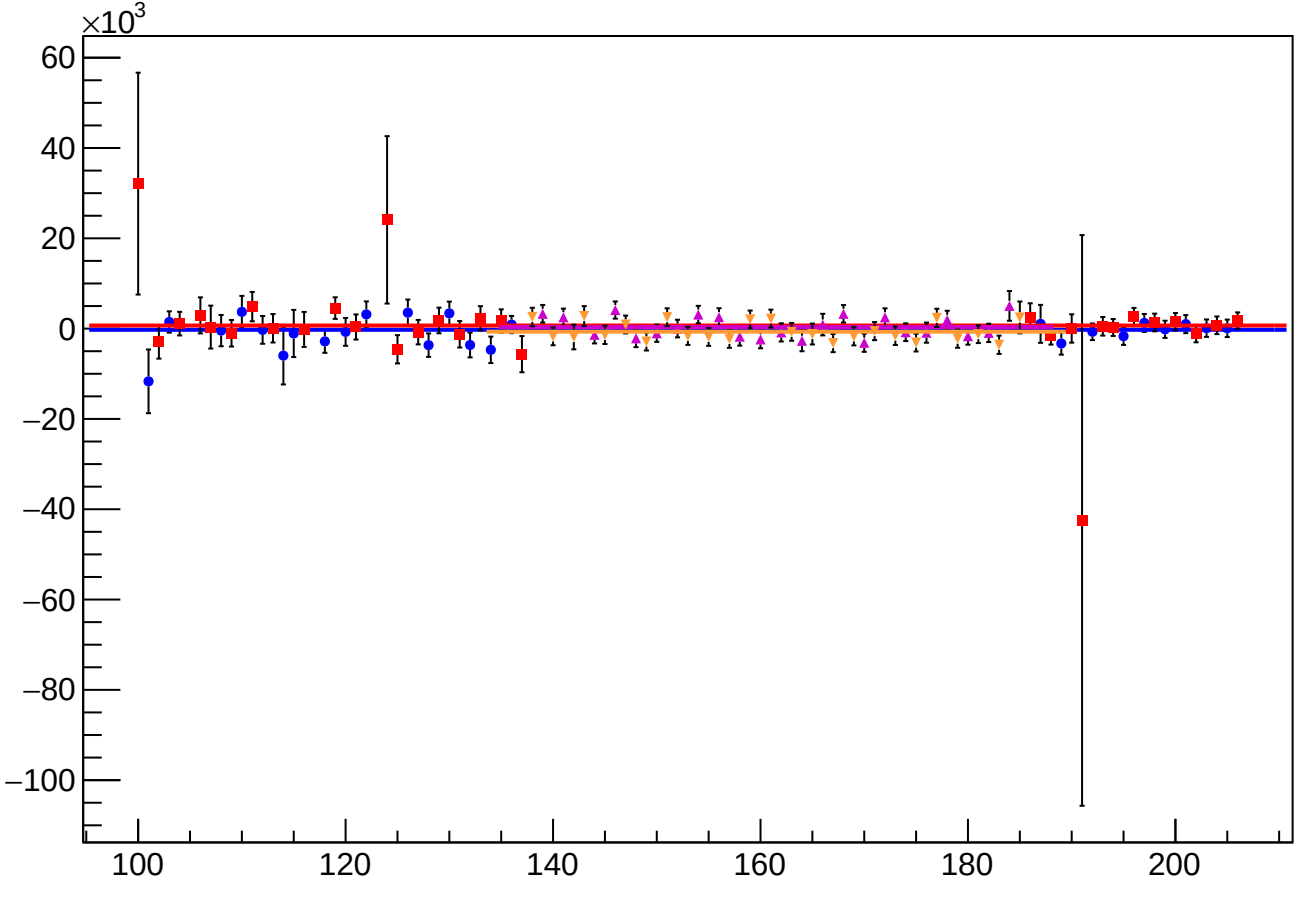
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 474.492+/-0.062 χ^2/NDF: 6880479.7/49

All: 476.519+/-0.044 χ^2/NDF: 15202845.5/10

- sign 478.570+/-0.062 χ^2/NDF: 8320188.6/53

eigen_cor_asym_at1_dd_mean vs Slug



Right In: -259.976+/-503.143 χ^2/NDF: 20.5/24

Left Out: -670.031+/-412.206 χ^2/NDF:24.7/24

Right Out: 686.715+/-473.252 χ^2/NDF: 20.8/30

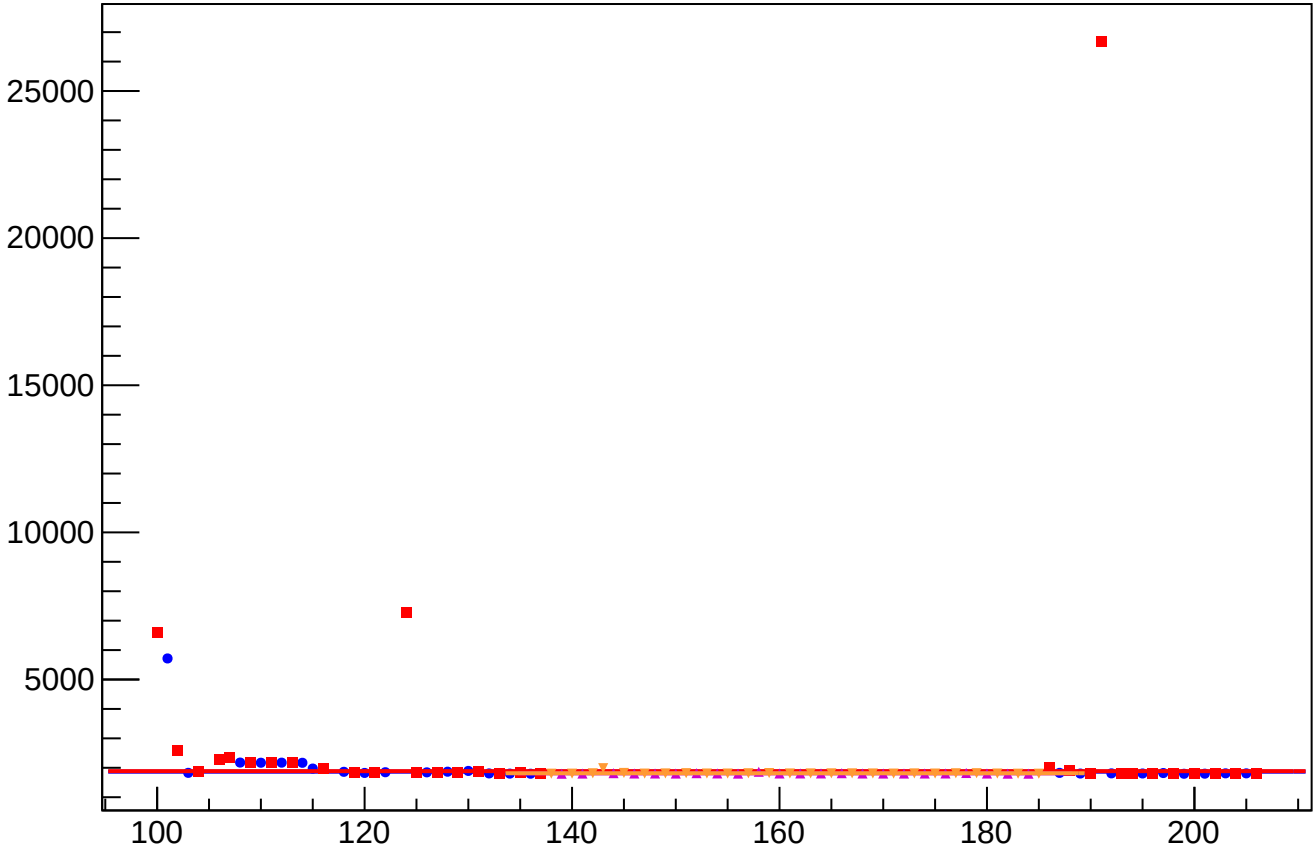
Left In: 342.989+/-422.712 χ^2/NDF:30.1/22

+ sign -505.343+/-318.861 χ^2/NDF: 45.6/49

All: 0.771+/-224.185 χ^2/NDF: 101.7/103

- sign 495.525+/-315.262 χ^2/NDF: 51.1/53

eigen_cor_asym_at1_dd_rms vs Slug



Right In: 1867.368+/-0.356 χ^2/NDF: 671284.4/24

Left Out: 1814.435+/-0.291 χ^2/NDF:13102.1/24

Right Out: 1885.775+/-0.335 χ^2/NDF: 753042.8/30

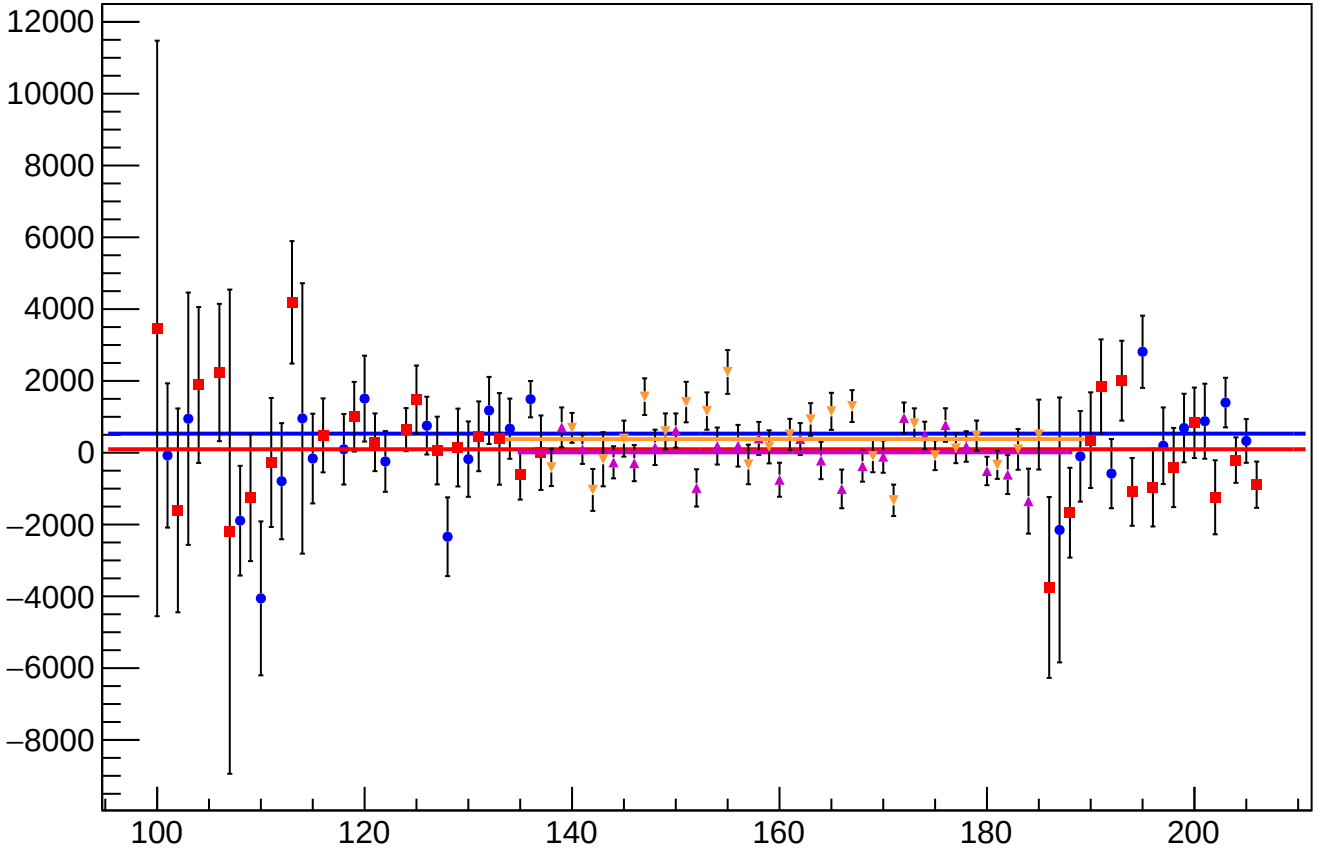
Left In: 1810.457+/-0.299 χ^2/NDF:1967.2/22

+ sign 1835.694+/-0.225 χ^2/NDF: 697632.6/49

All: 1839.834+/-0.159 χ^2/NDF: 1481486.4/10

- sign 1843.881+/-0.223 χ^2/NDF: 783187.0/53

asym_at1_dd_eigen_cor_correction_mean vs Slug



Right In: 531.253+/-198.403 χ^2/NDF: 30.5/24

Left Out: 379.343+/-97.014 χ^2/NDF:62.3/24

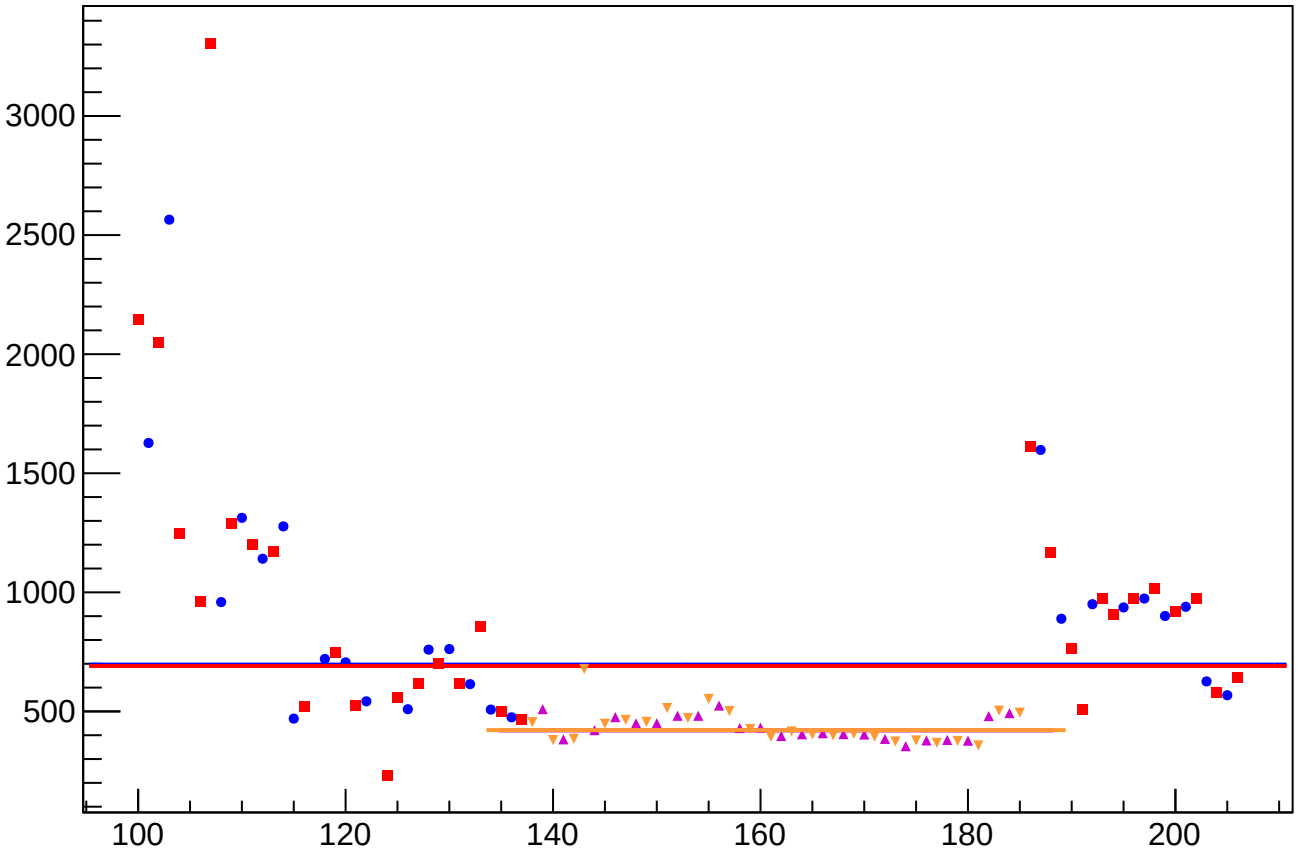
Right Out: 96.699+/-188.693 χ^2/NDF: 30.8/30

Left In: 11.539+/-98.975 χ^2/NDF:31.1/22

+ sign 408.656+/-87.153 χ^2/NDF: 93.3/49

All: 220.361+/-61.801 χ^2/NDF: 164.8/103

- sign 29.914+/-87.649 χ^2/NDF: 62.1/53



Right In: 696.463+/-0.140 χ^2/NDF: 3035582.6/24

Left Out: 421.420+/-0.069 χ^2/NDF:742987.6/24

Right Out: 690.657+/-0.133 χ^2/NDF: 4685218.0/30

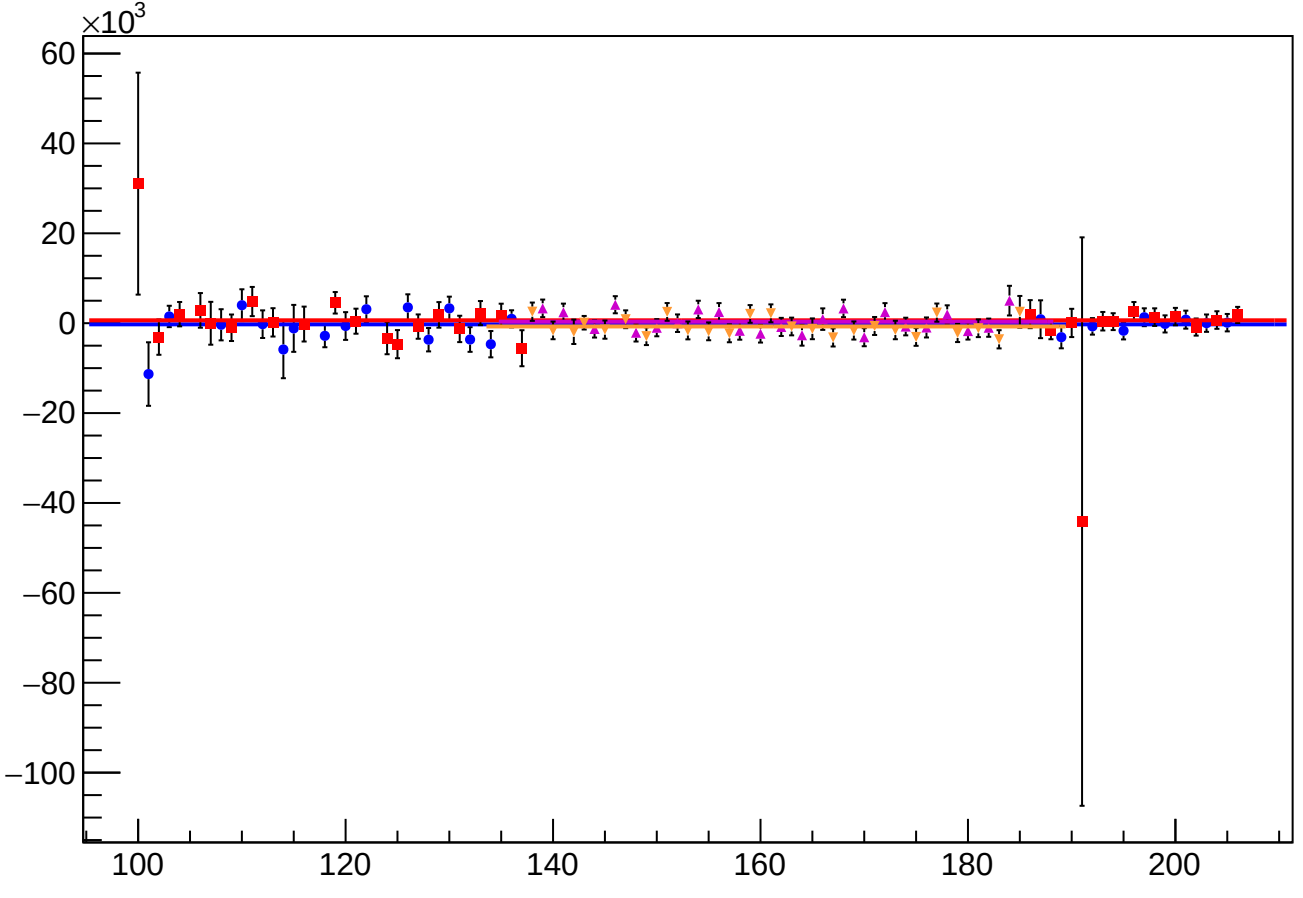
Left In: 420.218+/-0.070 χ^2/NDF:413172.4/22

+ sign 474.492+/-0.062 χ^2/NDF: 6880479.7/49

All: 476.519+/-0.044 χ^2/NDF: 15202845.5/10

- sign 478.570+/-0.062 χ^2/NDF: 8320188.6/53

dit_asym_at1_dd_mean vs Slug



Right In: -254.140+/-503.704 χ^2/NDF: 20.1/24

Left Out: -724.527+/-404.417 χ^2/NDF:22.2/24

Right Out: 642.976+/-470.567 χ^2/NDF: 20.2/30

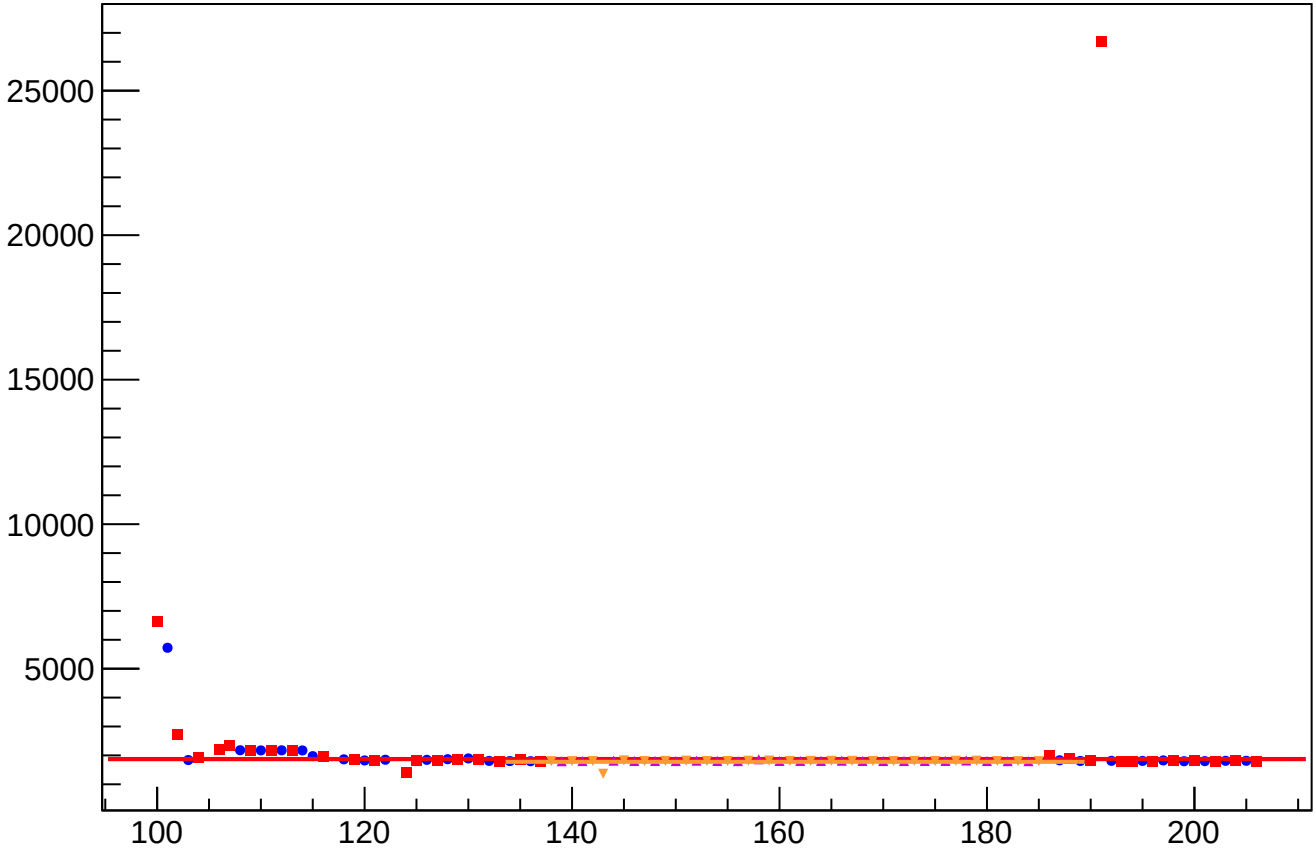
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -540.155+/-315.352 χ^2/NDF: 42.8/49

All: -30.726+/-222.695 χ^2/NDF: 98.1/103

- sign 476.032+/-314.525 χ^2/NDF: 50.0/53

dit_asym_at1_dd_rms vs Slug



Right In: 1869.318+/-0.356 χ^2/NDF: 670981.1/24

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

Right Out: 1877.082+/-0.333 χ^2/NDF: 630047.0/30

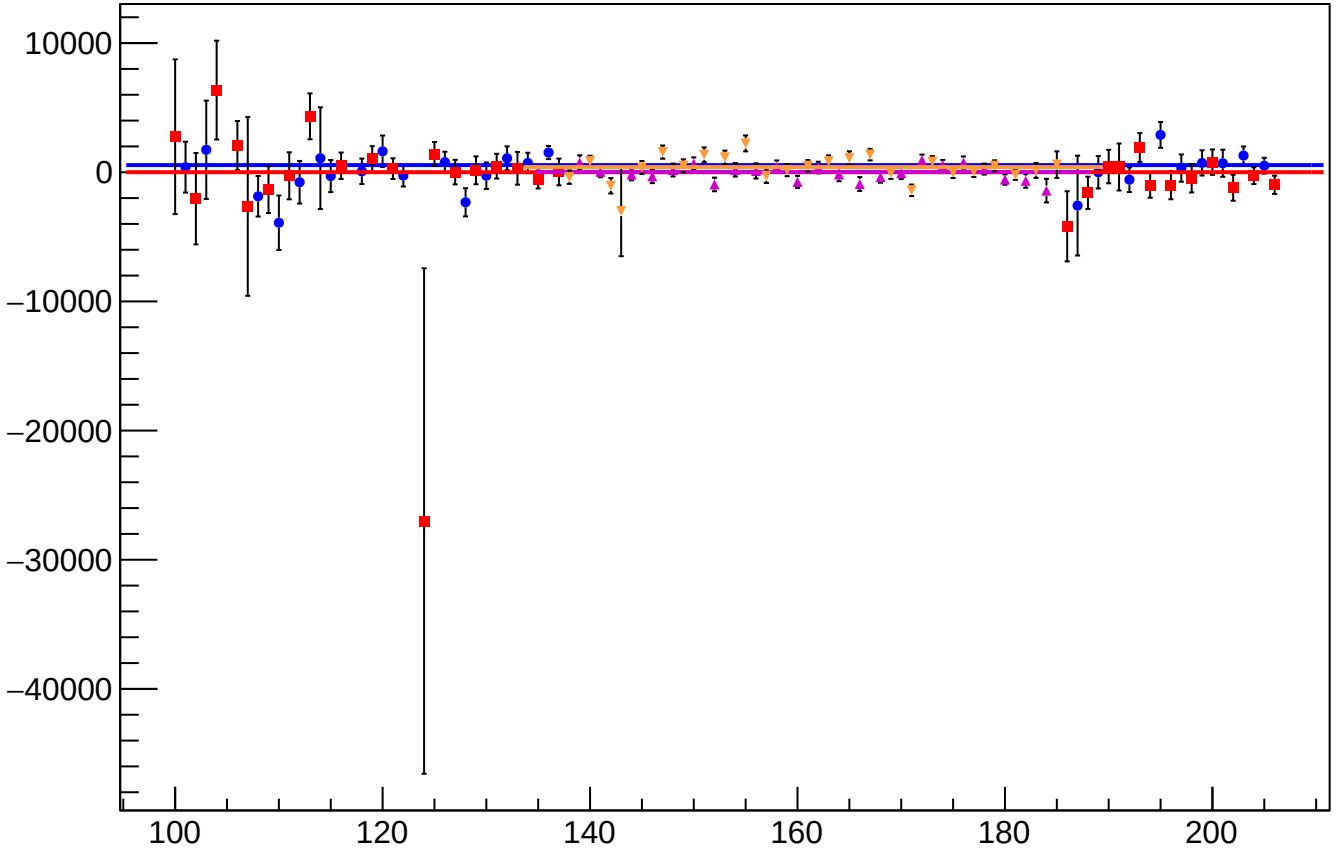
Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

+ sign 1813.015+/-0.223 χ^2/NDF: 873371.9/49

All: 1826.828+/-0.157 χ^2/NDF: 1534804.1/10

- sign 1840.569+/-0.222 χ^2/NDF: 653778.0/53

asym_at1_dd_dit_correction_mean vs Slug



Right In: 554.002+/-197.991 χ^2/NDF: 30.7/24

Left Out: 398.269+/-99.165 χ^2/NDF:60.5/24

Right Out: 4.421+/-202.258 χ^2/NDF: 31.2/30

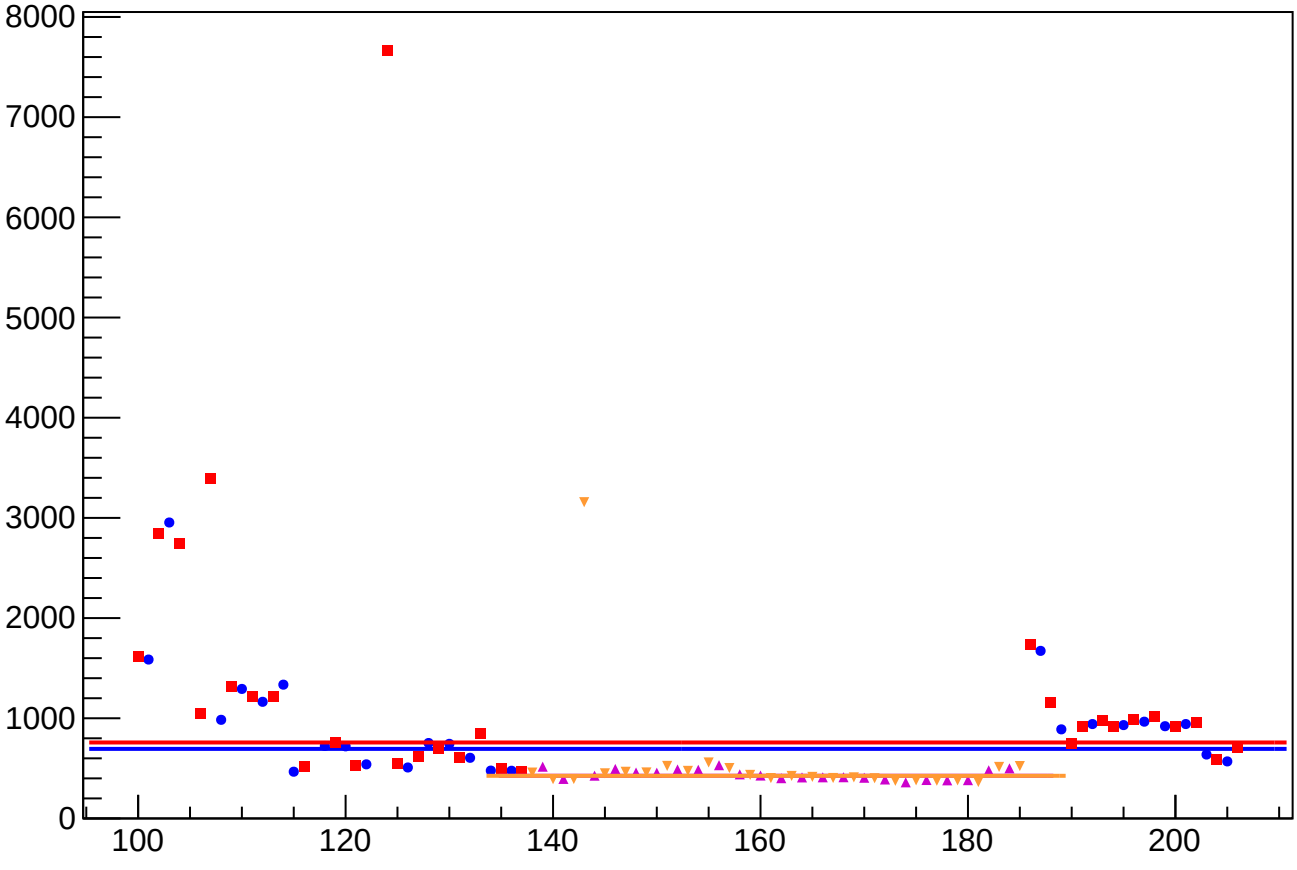
Left In: 21.453+/-100.264 χ^2/NDF:30.8/22

+ sign 429.501+/-88.665 χ^2/NDF: 91.7/49

All: 226.486+/-63.104 χ^2/NDF: 164.3/103

- sign 18.093+/-89.832 χ^2/NDF: 62.1/53

asym_at1_dd_dit_correction_rms vs Slug



Right In: 694.352+/-0.140 χ^2/NDF: 3227435.1/24

Left Out: 425.697+/-0.070 χ^2/NDF:1718145.2/24

Right Out: 758.358+/-0.143 χ^2/NDF: 4326552.7/30

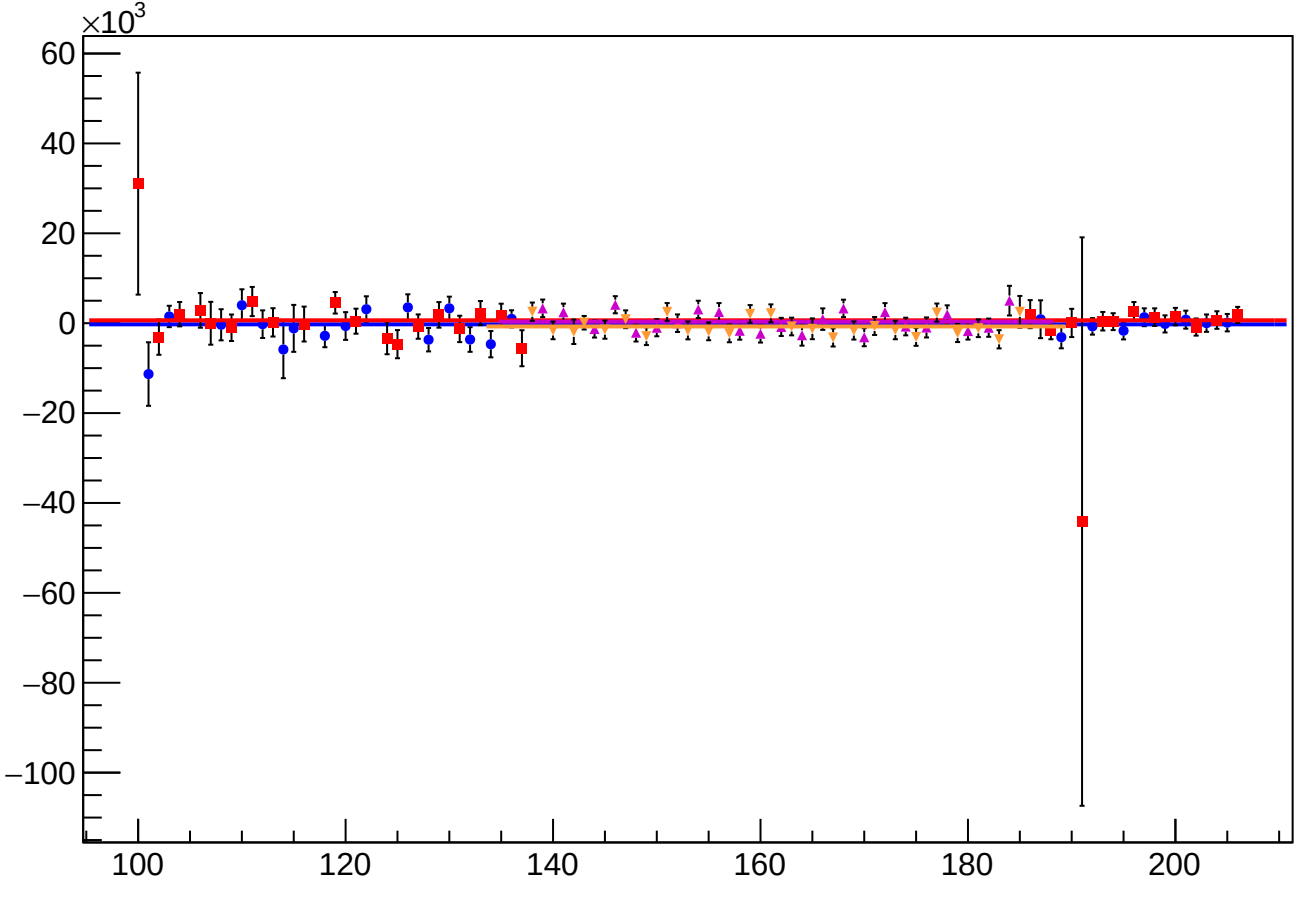
Left In: 426.144+/-0.071 χ^2/NDF:415411.7/22

+ sign 479.575+/-0.063 χ^2/NDF: 7889468.7/49

All: 485.548+/-0.045 χ^2/NDF: 16981195.6/10

- sign 491.679+/-0.064 χ^2/NDF: 9073334.6/53

eigen_dit_asym_at1_dd_mean vs Slug



Right In: -254.141+/-503.704 χ^2/NDF: 20.1/24

Left Out: -724.528+/-404.417 χ^2/NDF:22.2/24

Right Out: 642.975+/-470.567 χ^2/NDF: 20.2/30

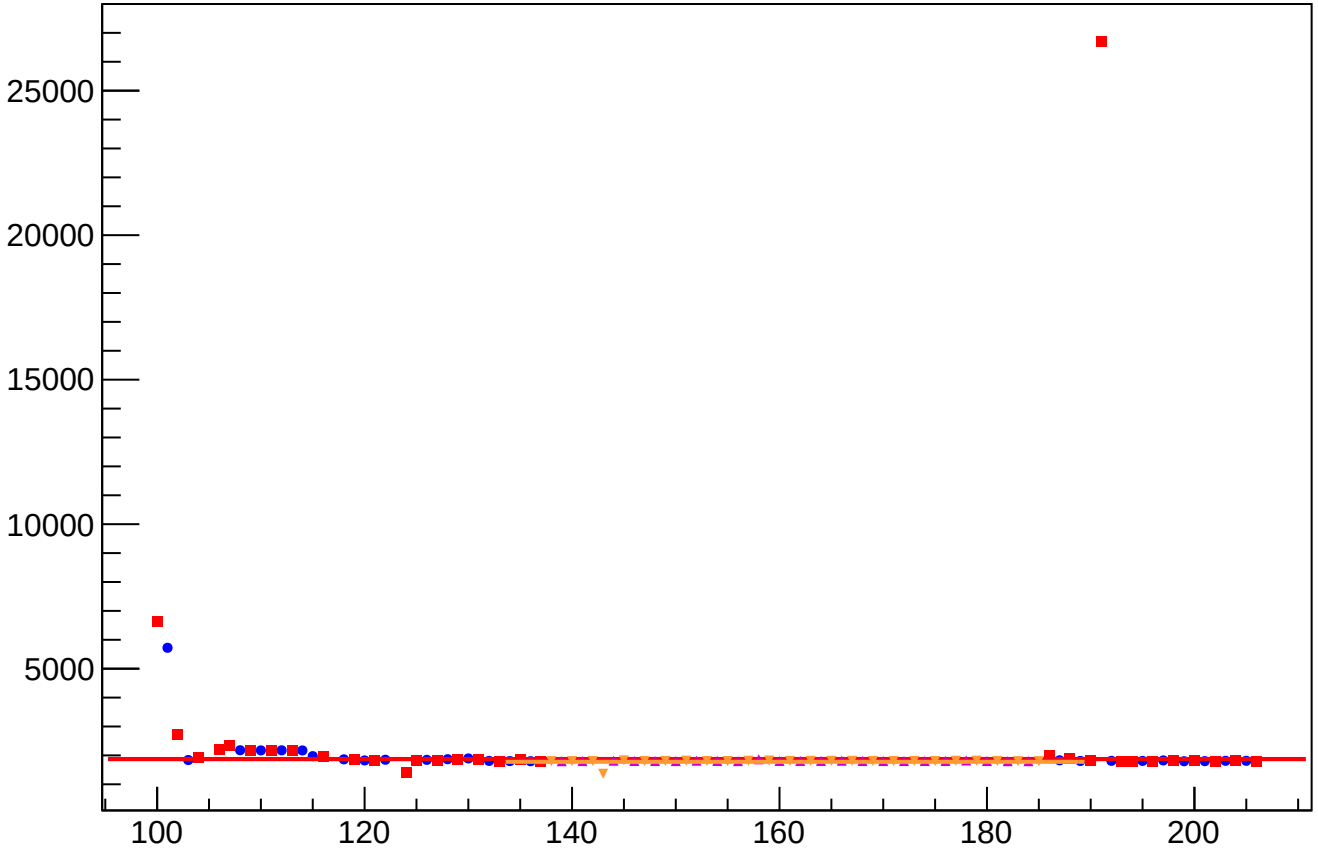
Left In: 341.223+/-422.858 χ^2/NDF:29.6/22

+ sign -540.155+/-315.352 χ^2/NDF: 42.8/49

All: -30.727+/-222.695 χ^2/NDF: 98.1/103

- sign 476.031+/-314.525 χ^2/NDF: 50.0/53

eigen_dit_asym_at1_dd_rms vs Slug



Right In: 1869.317+/-0.356 χ^2/NDF: 670981.1/24

Left Out: 1776.721+/-0.286 χ^2/NDF:161294.8/24

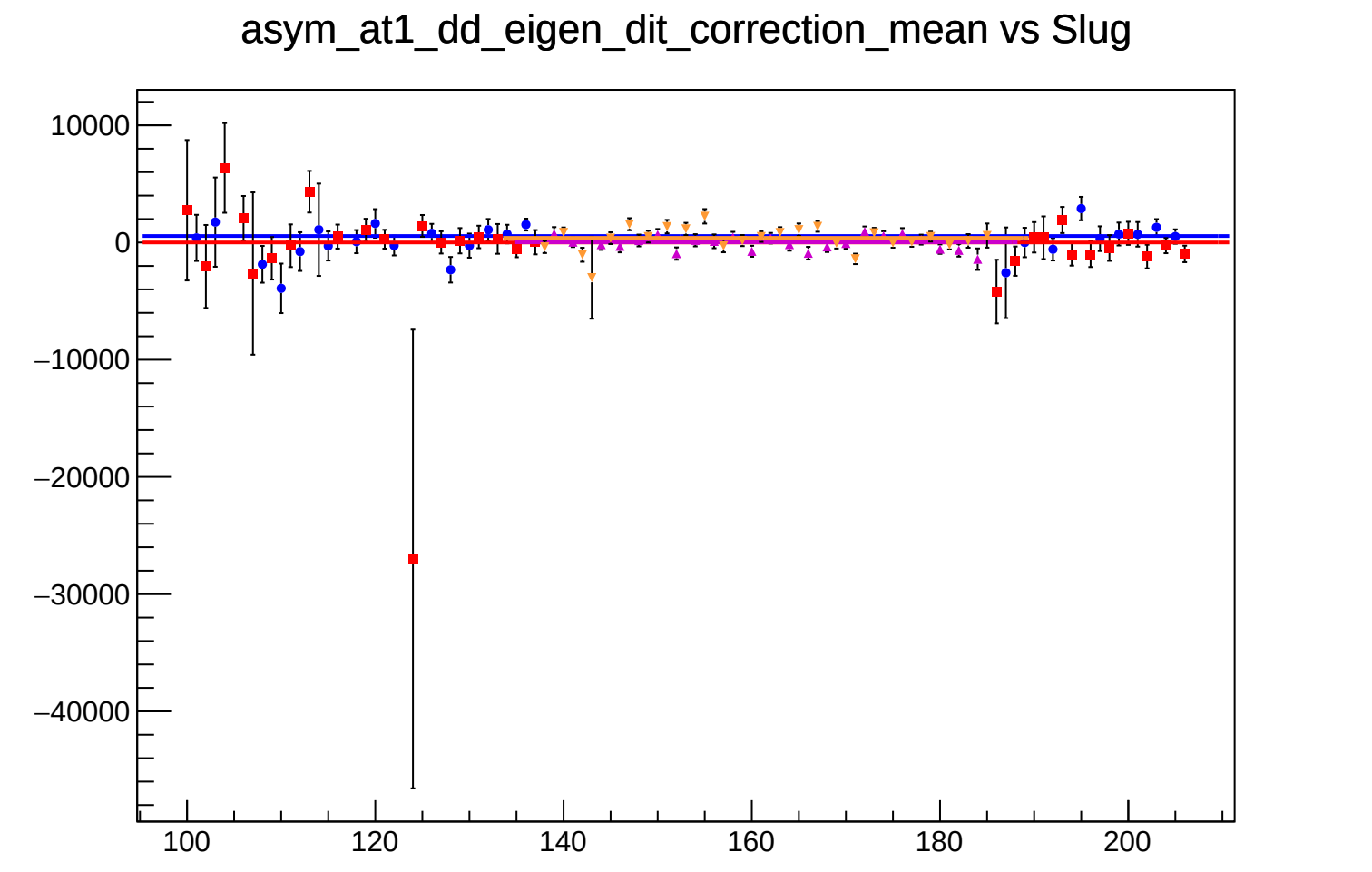
Right Out: 1877.082+/-0.333 χ^2/NDF: 630046.8/30

Left In: 1811.084+/-0.299 χ^2/NDF:1965.1/22

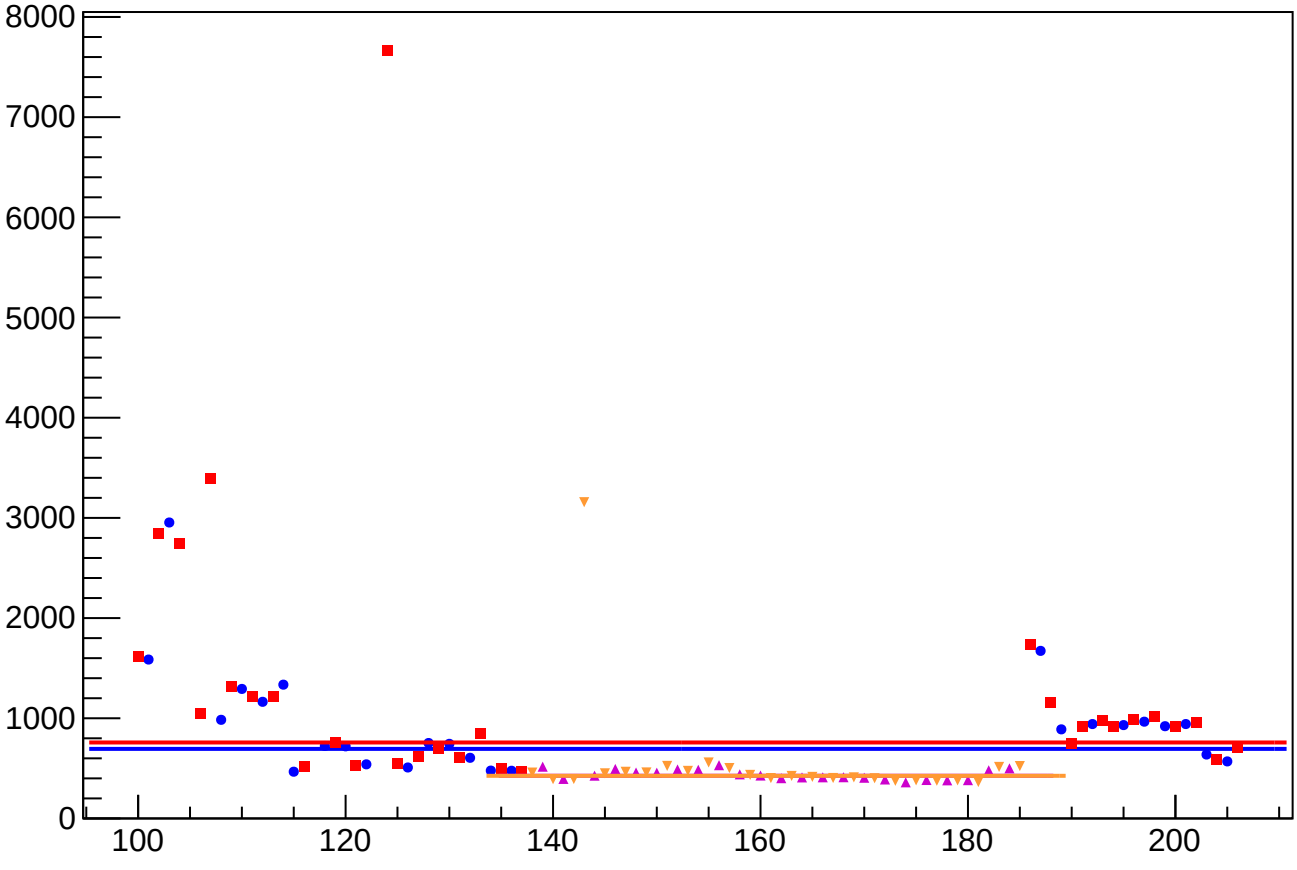
+ sign 1813.015+/-0.223 χ^2/NDF: 873371.9/49

All: 1826.828+/-0.157 χ^2/NDF: 1534803.9/10

- sign 1840.569+/-0.222 χ^2/NDF: 653777.8/53


asym_at1_dd_eigen_dit_correction_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 554.001+/-197.991 χ²/NDF: 30.7/24
Left Out: 398.268+/-99.165 χ²/NDF:60.5/24
Right Out: 4.421+/-202.258 χ²/NDF: 31.2/30
Left In: 21.452+/-100.264 χ²/NDF:30.8/22
+ sign 429.500+/-88.665 χ²/NDF: 91.7/49
All: 226.485+/-63.104 χ²/NDF: 164.3/103
- sign 18.093+/-89.832 χ²/NDF: 62.1/53

asym_at1_dd_eigen_dit_correction_rms vs Slug



Right In: 694.352+/-0.140 χ^2/NDF: 3227435.0/24

Left Out: 425.696+/-0.070 χ^2/NDF:1718147.9/24

Right Out: 758.358+/-0.143 χ^2/NDF: 4326553.5/30

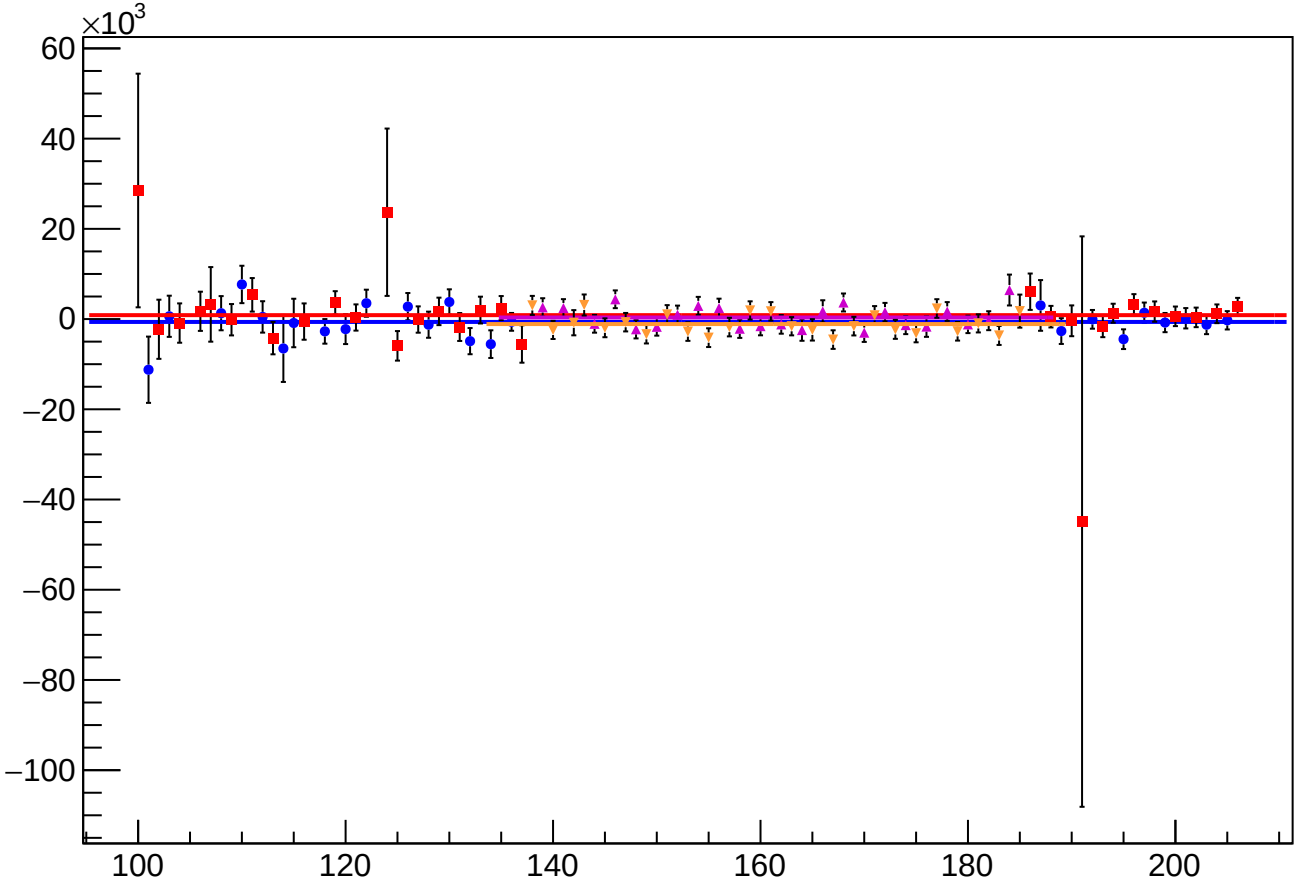
Left In: 426.144+/-0.071 χ^2/NDF:415415.2/22

+ sign 479.574+/-0.063 χ^2/NDF: 7889478.6/49

All: 485.547+/-0.045 χ^2/NDF: 16981219.5/10

- sign 491.678+/-0.064 χ^2/NDF: 9073348.2/53

asym_at1_dd_mean vs Slug



Right In: -635.652+/-560.485 χ^2/NDF: 23.5/24

Left Out: -1105.791+/-424.648 χ^2/NDF:28.0/24

Right Out: 869.151+/-534.483 χ^2/NDF: 22.0/30

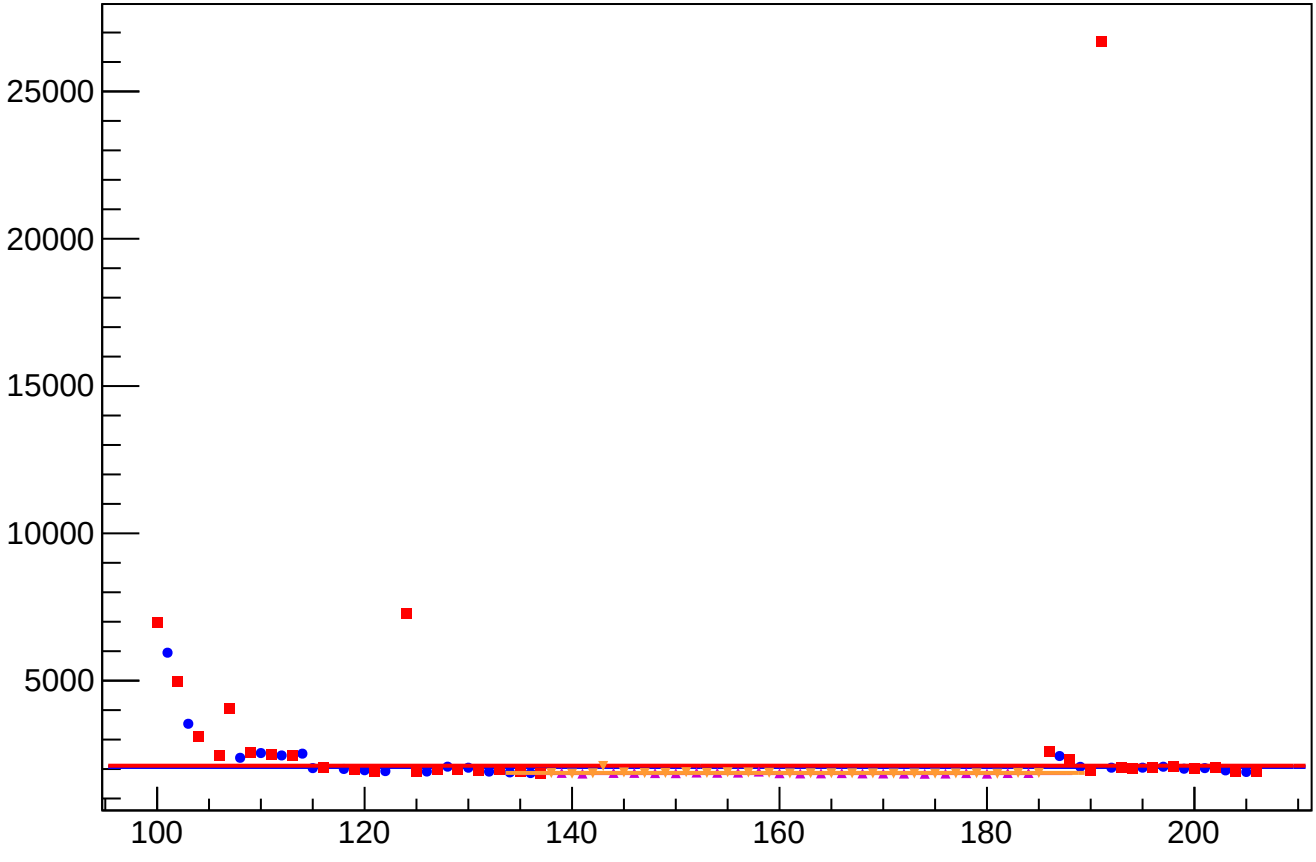
Left In: 346.936+/-434.947 χ^2/NDF:28.8/22

+ sign -934.338+/-338.472 χ^2/NDF: 52.0/49

All: -187.221+/-238.941 χ^2/NDF: 113.0/103

- sign 554.985+/-337.358 χ^2/NDF: 51.3/53

asym_at1_dd_rms vs Slug



Right In: 2070.290+/-0.396 χ^2/NDF: 916336.7/24

Left Out: 1868.941+/-0.300 χ^2/NDF:23314.7/24

Right Out: 2113.245+/-0.378 χ^2/NDF: 1362629.9/30

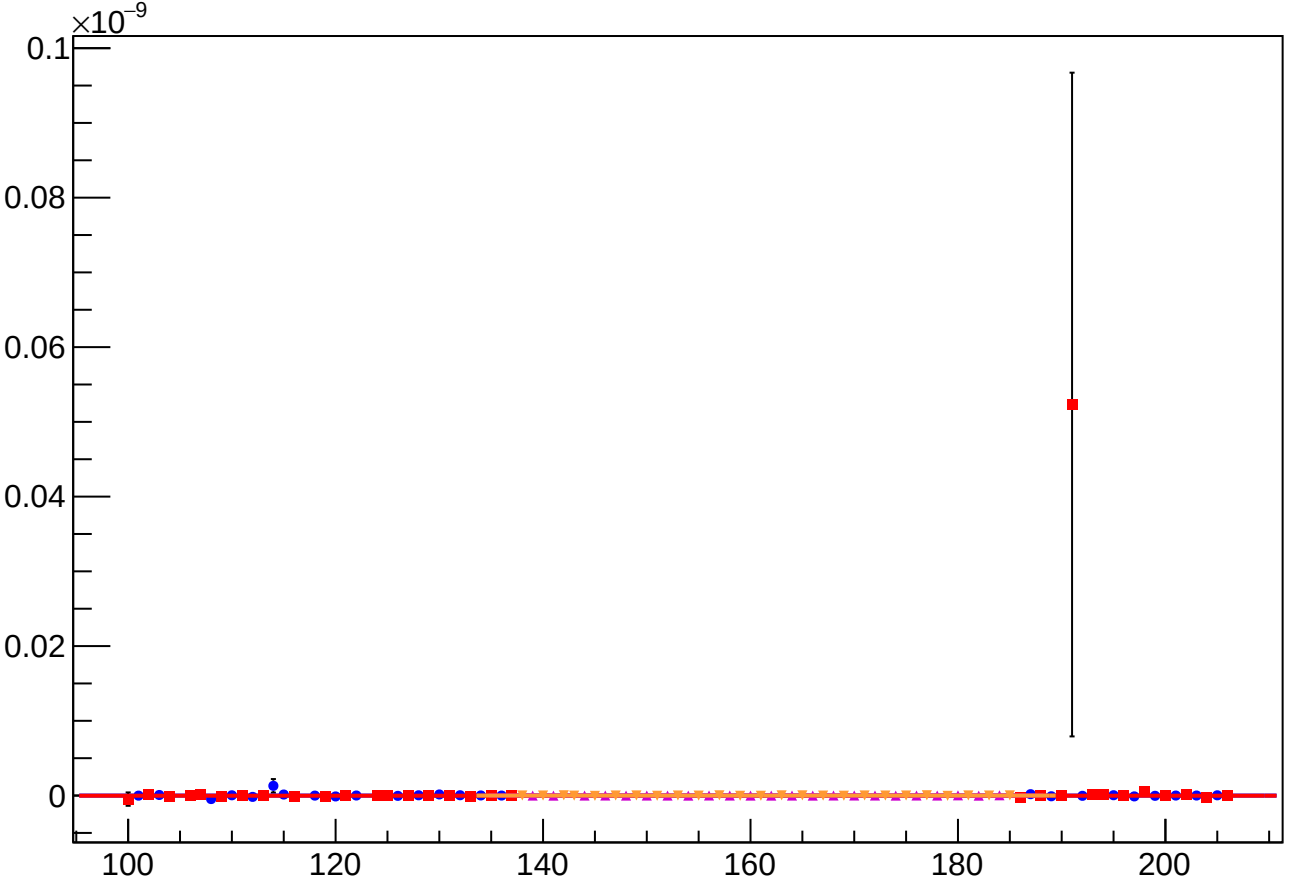
Left In: 1862.828+/-0.308 χ^2/NDF:2714.5/22

+ sign 1942.370+/-0.239 χ^2/NDF: 1103631.0/49

All: 1952.515+/-0.169 χ^2/NDF: 2736677.1/10

- sign 1962.594+/-0.239 χ^2/NDF: 1629464.3/53

asym_at1_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:42.1/24

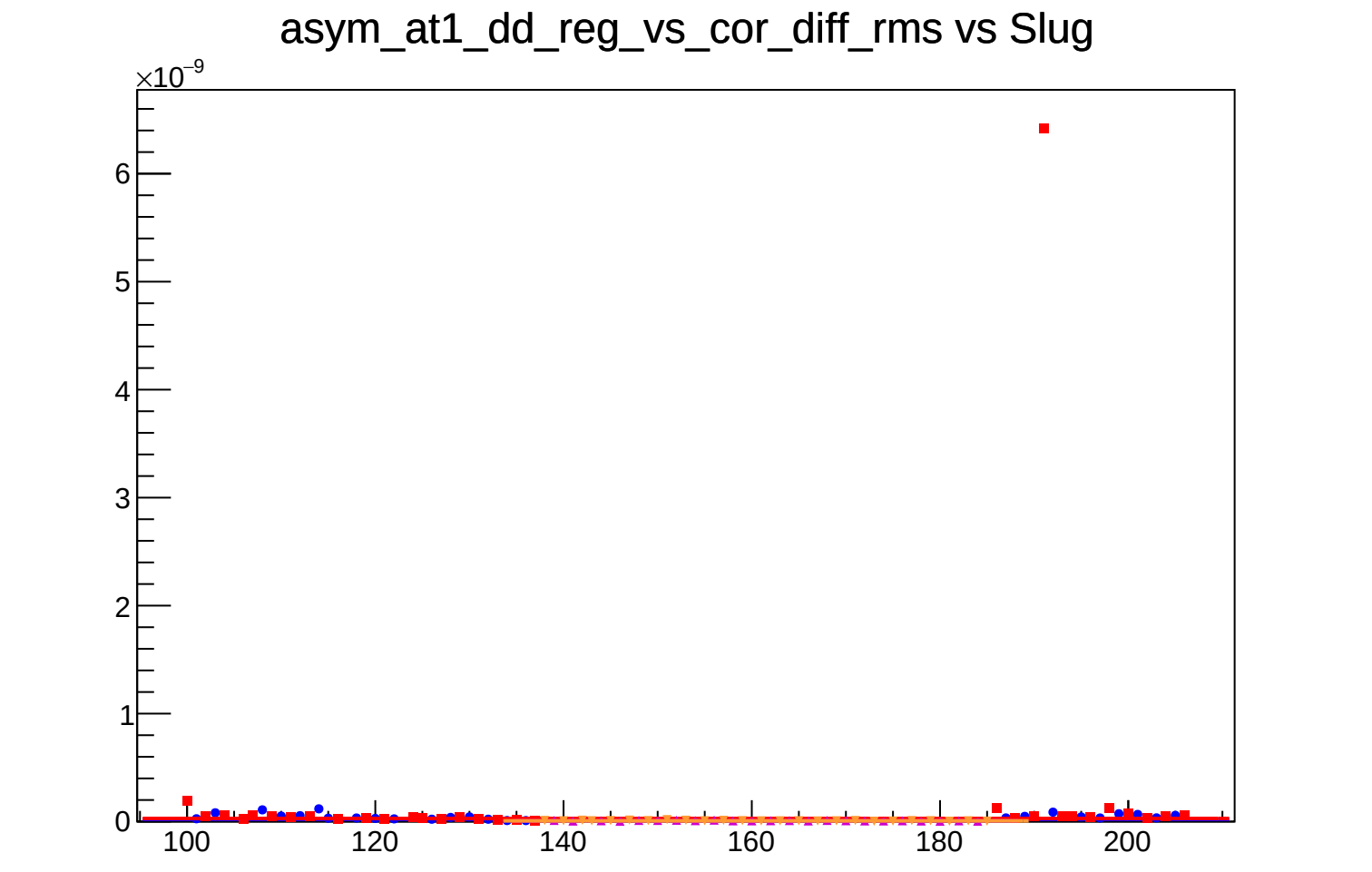
Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/30

Left In: 0.000+/-0.000 χ^2/NDF:17.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.4/49

All: 0.000+/-0.000 χ^2/NDF: 117.8/103

- sign 0.000+/-0.000 χ^2/NDF: 52.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 4503290.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:1843010.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3312418.8/30

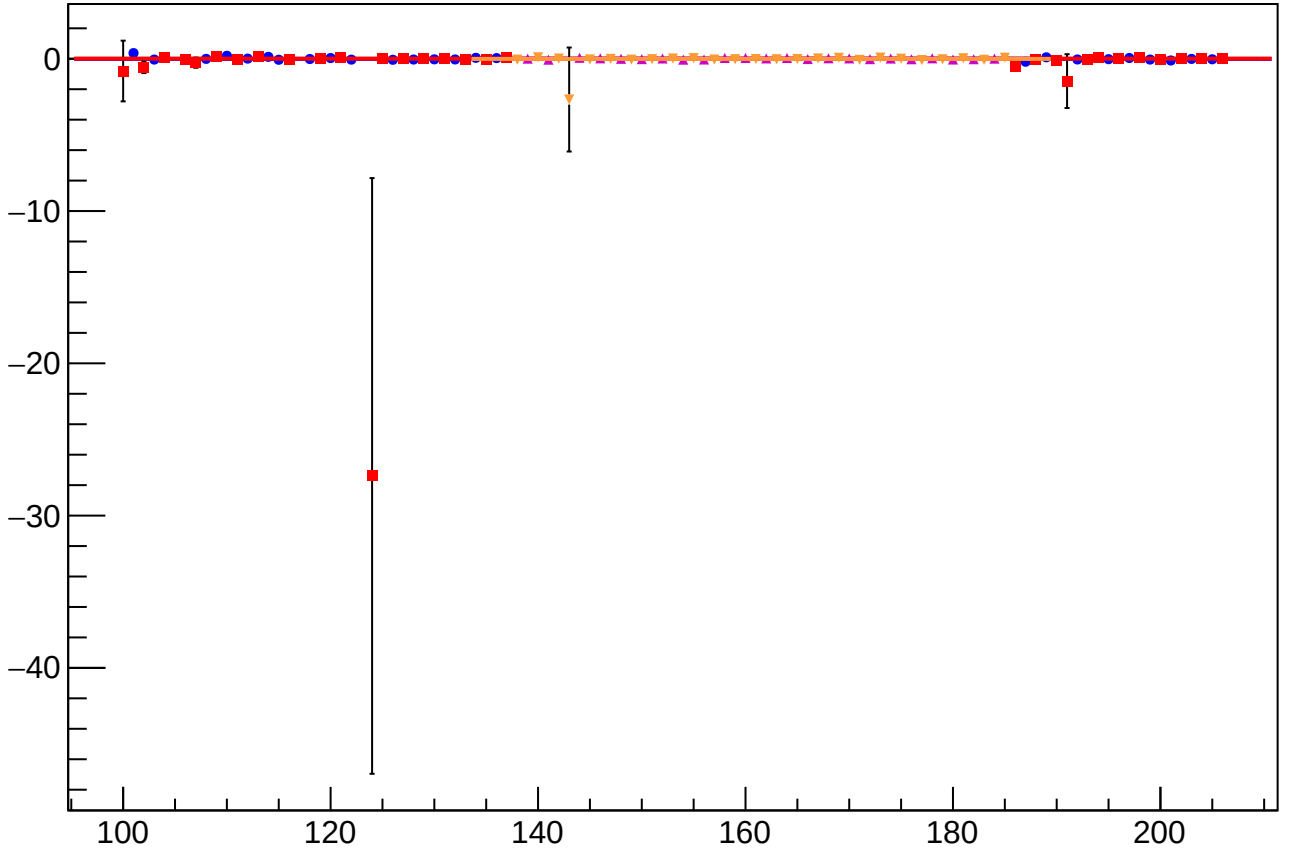
Left In: 0.000+/-0.000 χ^2/NDF:1477997.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8927955.8/49

All: 0.000+/-0.000 χ^2/NDF: 18540537.4/103

- sign 0.000+/-0.000 χ^2/NDF: 9607112.4/53

asym_at1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.008+/-0.012 χ^2/NDF: 27.9/24

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.007+/-0.012 χ^2/NDF: 26.1/30

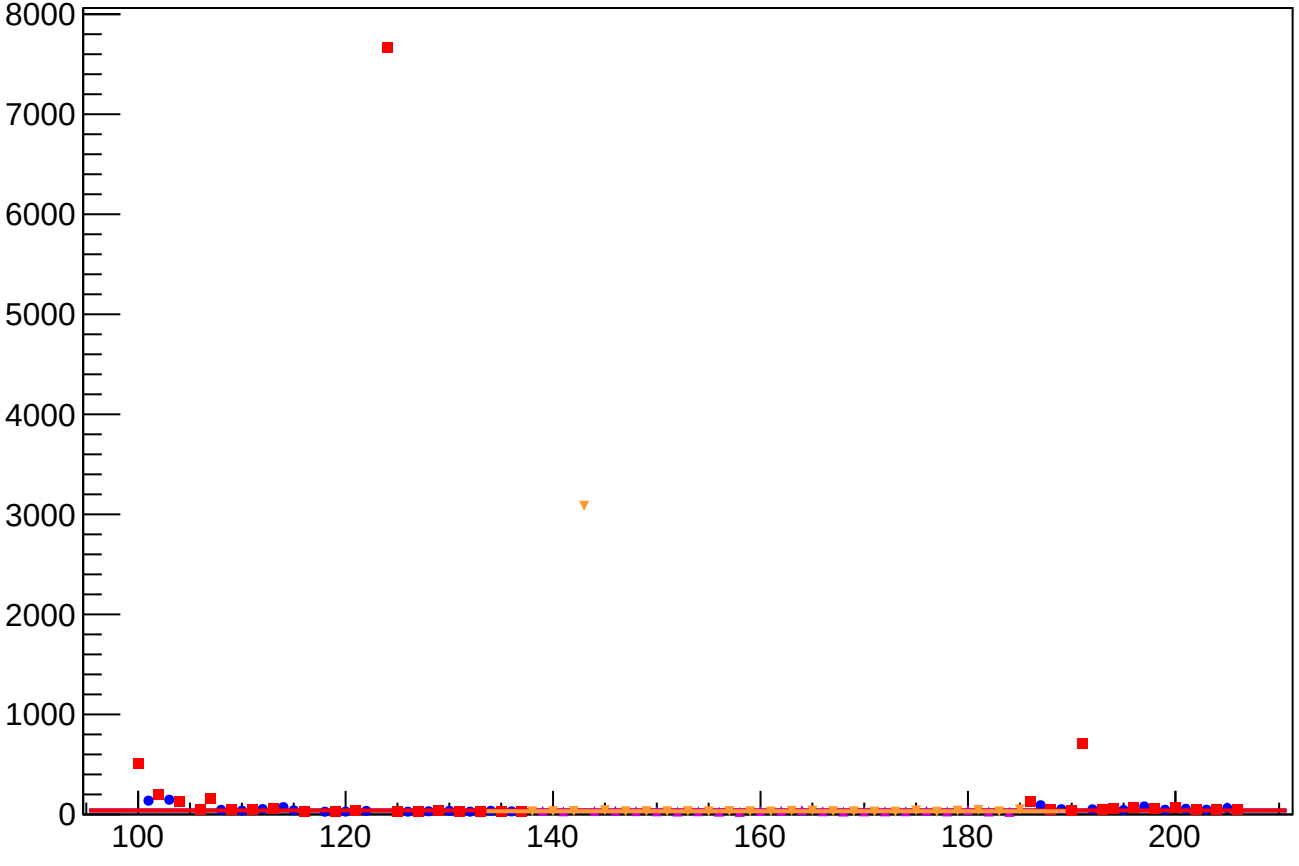
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.4/49

All: -0.002+/-0.005 χ^2/NDF: 116.5/103

- sign 0.005+/-0.007 χ^2/NDF: 47.0/53

asym_at1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 39.786+/-0.009 χ^2/NDF: 3071715.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

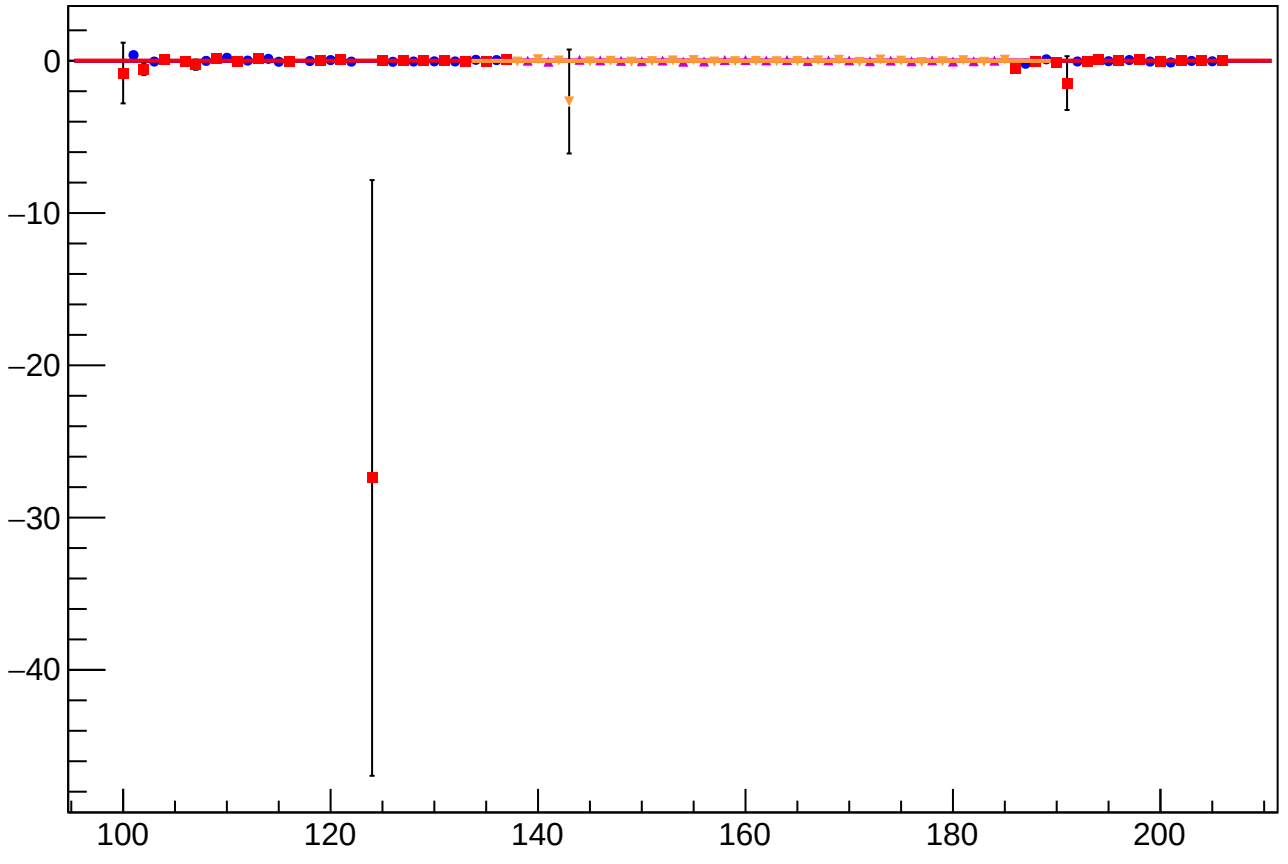
Right Out: 40.237+/-0.008 χ^2/NDF: 4276161.5/30

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 34.602+/-0.005 χ^2/NDF: 5707837.6/49

All: 34.786+/-0.003 χ^2/NDF: 10992558.5/103

- sign 34.968+/-0.005 χ^2/NDF: 5281841.8/53



Right In: -0.008+/-0.012 χ^2/NDF: 27.9/24

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.007+/-0.012 χ^2/NDF: 26.1/30

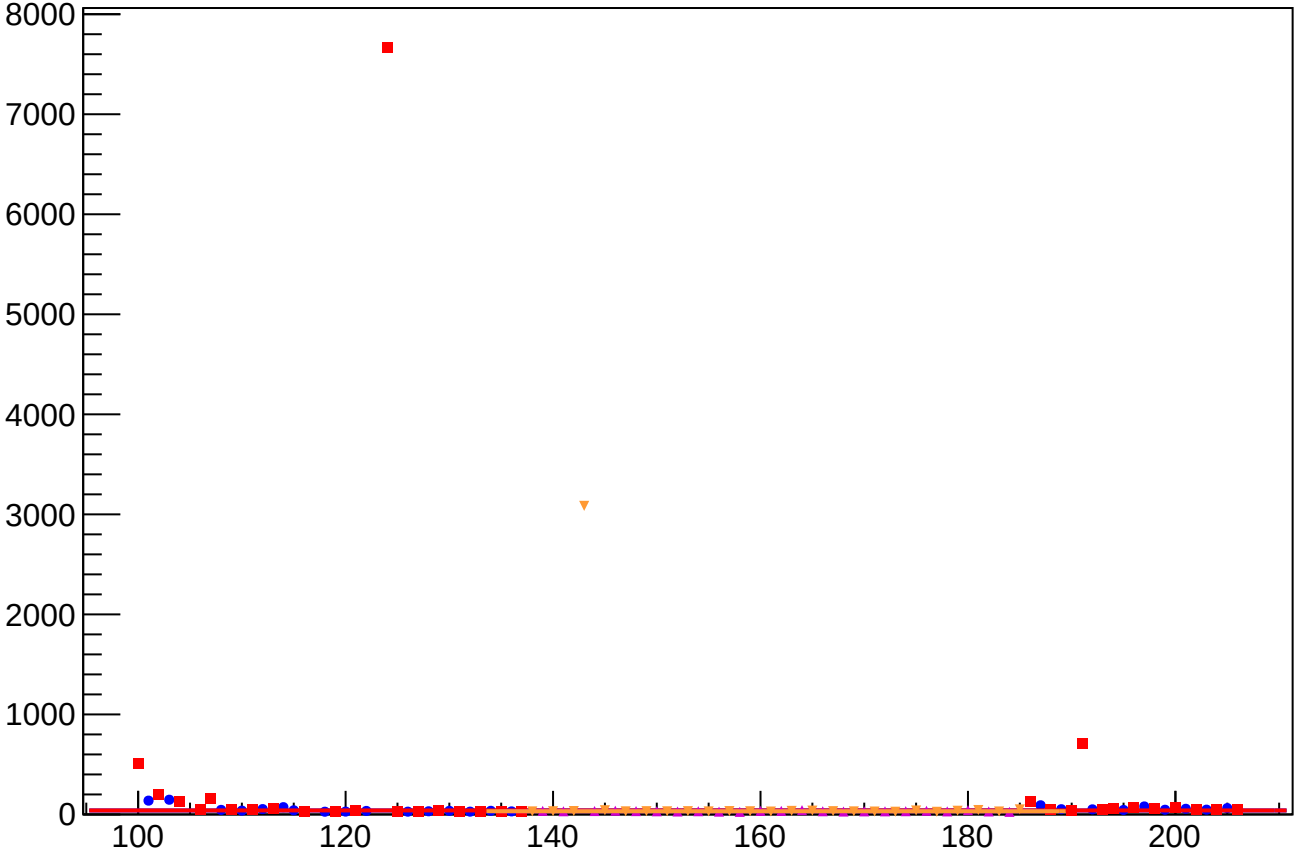
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.4/49

All: -0.002+/-0.005 χ^2/NDF: 116.5/103

- sign 0.005+/-0.007 χ^2/NDF: 47.0/53

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.786+/-0.009 χ^2/NDF: 3071715.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120929.6/24

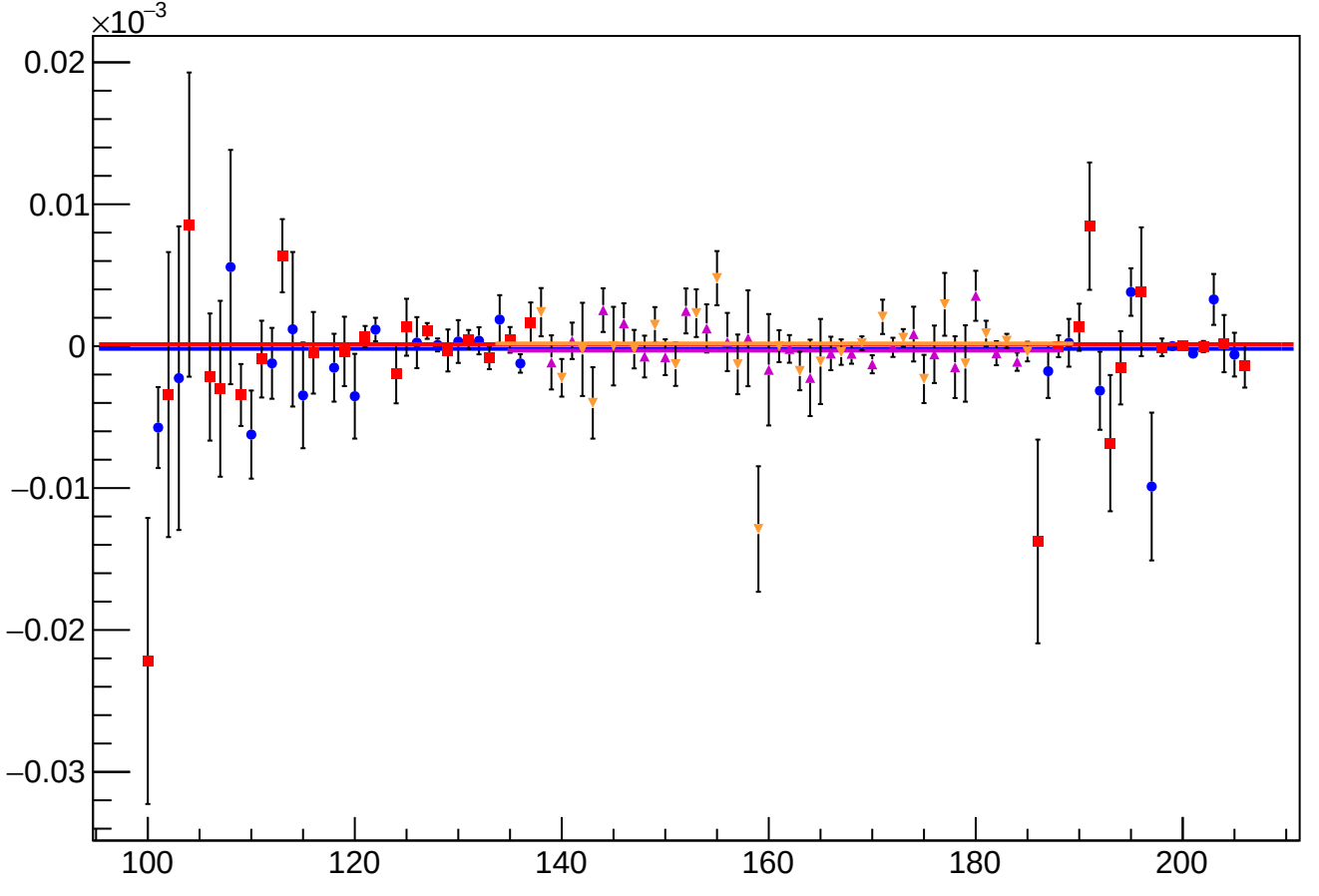
Right Out: 40.237+/-0.008 χ^2/NDF: 4276161.5/30

Left In: 32.421+/-0.006 χ^2/NDF:426084.8/22

+ sign 34.602+/-0.005 χ^2/NDF: 5707837.6/49

All: 34.786+/-0.003 χ^2/NDF: 10992558.5/103

- sign 34.968+/-0.005 χ^2/NDF: 5281841.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 34.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:37.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/30

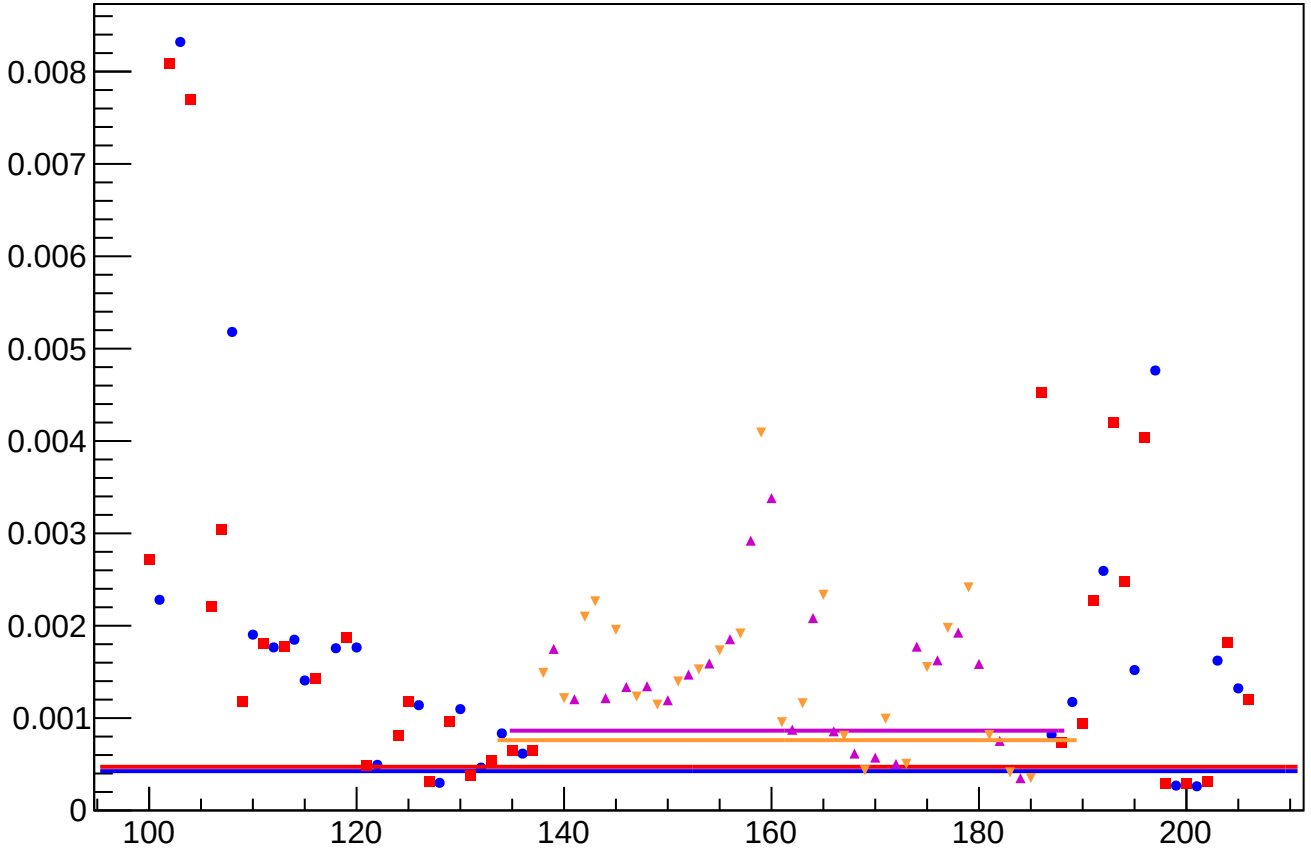
Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.3/49

All: -0.000+/-0.000 χ^2/NDF: 131.8/103

- sign -0.000+/-0.000 χ^2/NDF: 57.5/53

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 12845854.5/24

Left Out: 0.001+/-0.000 χ^2/NDF:11085699.1/24

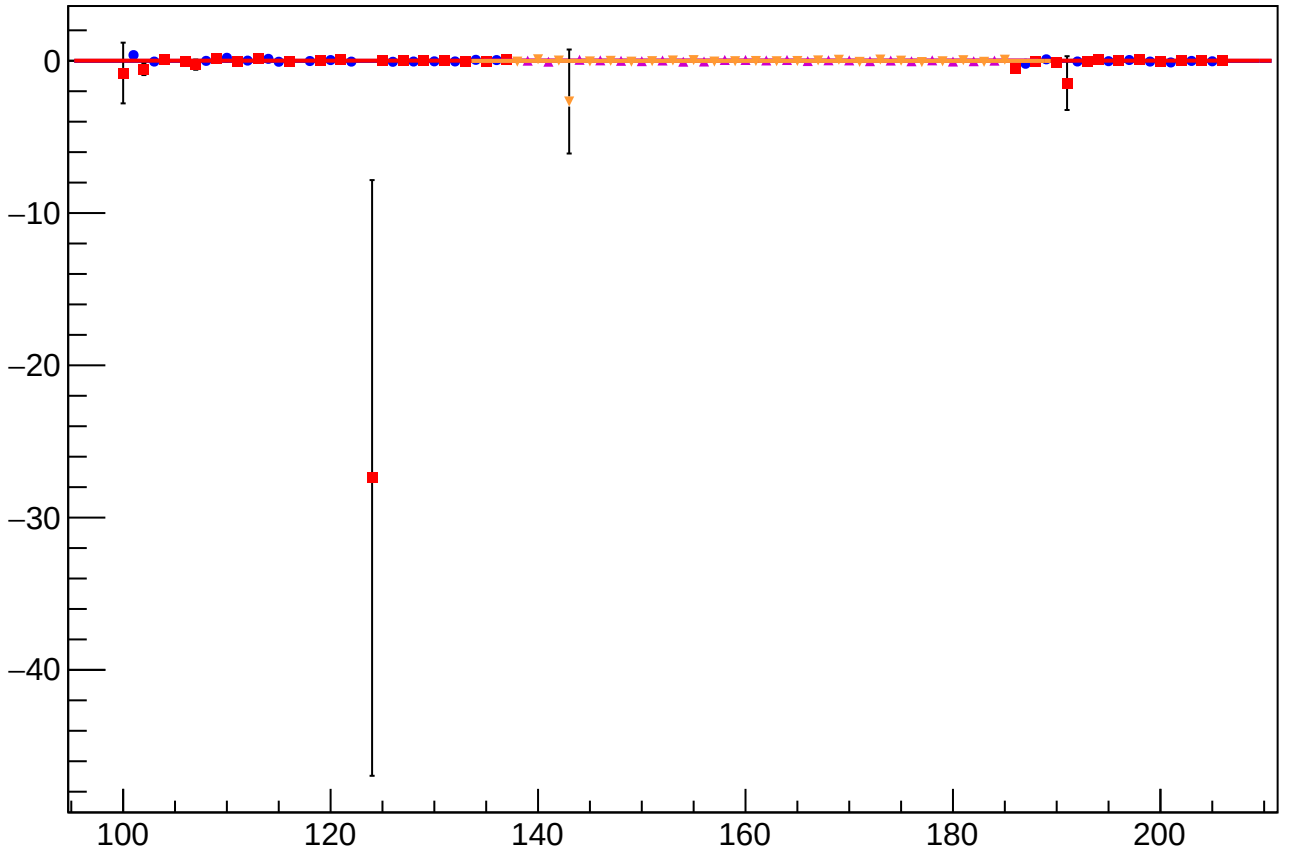
Right Out: 0.000+/-0.000 χ^2/NDF: 13297521.7/30

Left In: 0.001+/-0.000 χ^2/NDF:8440059.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 27066681.8/49

All: 0.001+/-0.000 χ^2/NDF: 52518371.2/103

- sign 0.001+/-0.000 χ^2/NDF: 25294429.3/53



Right In: -0.008+/-0.012 χ^2/NDF: 27.9/24

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.007+/-0.012 χ^2/NDF: 26.1/30

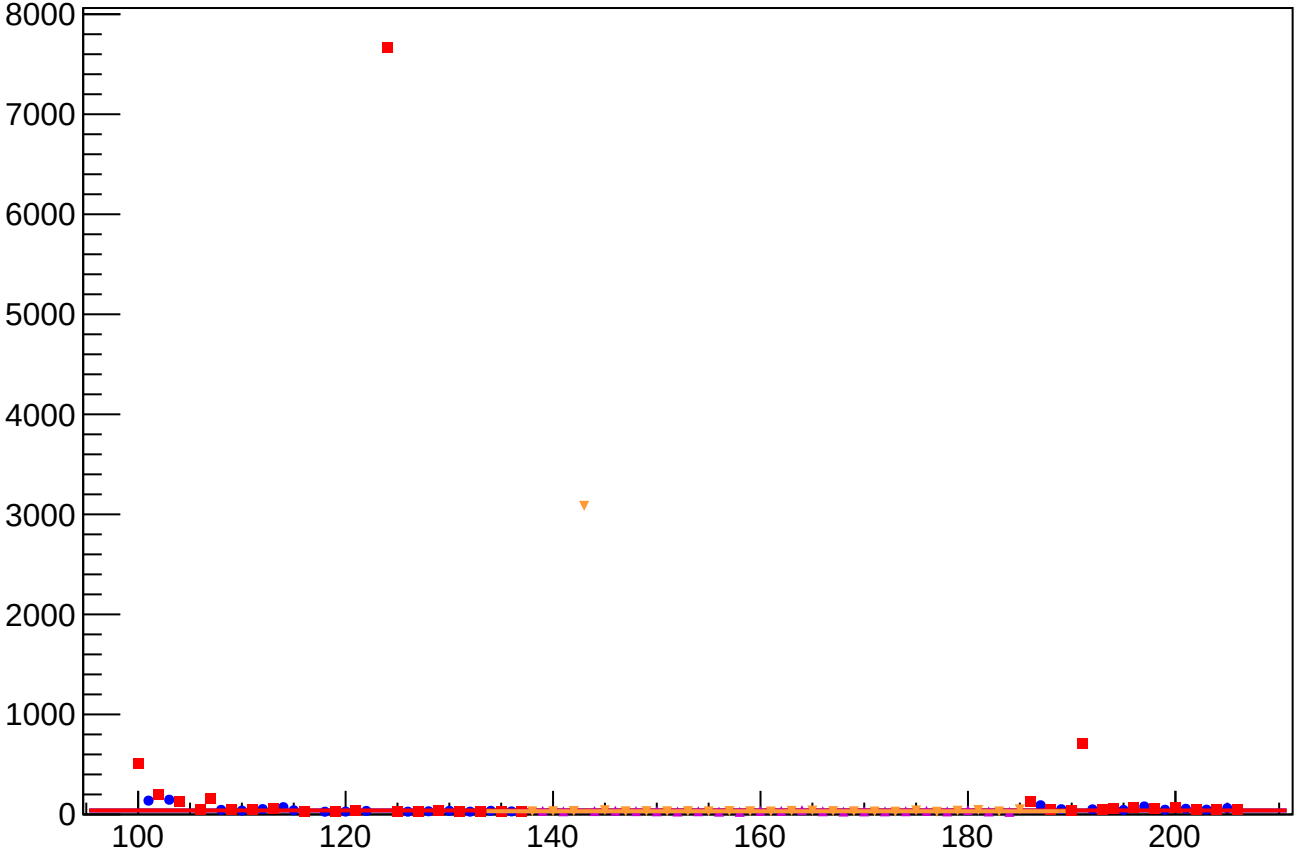
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.4/49

All: -0.002+/-0.005 χ^2/NDF: 116.5/103

- sign 0.005+/-0.007 χ^2/NDF: 47.0/53

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 39.786+/-0.009 χ^2/NDF: 3071691.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

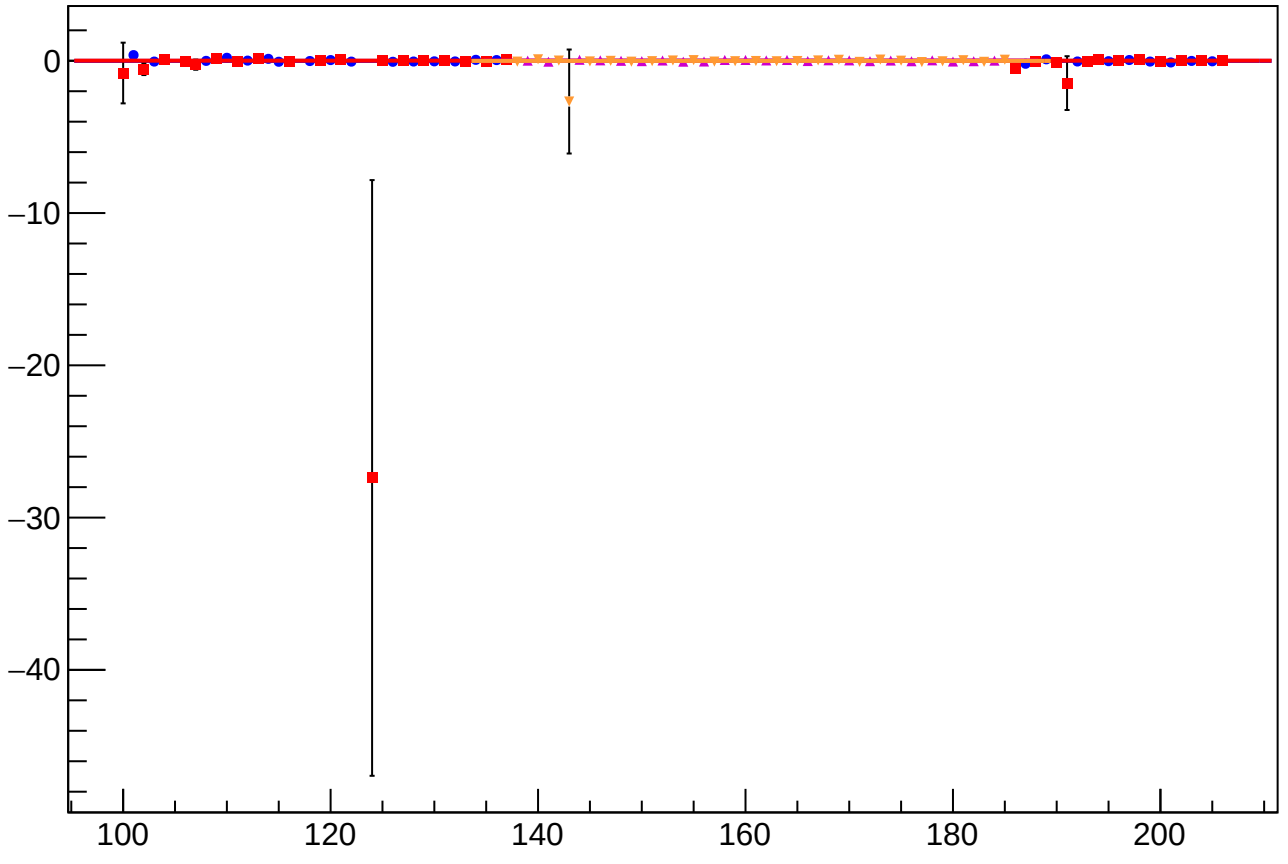
Right Out: 40.237+/-0.008 χ^2/NDF: 4276179.4/30

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 34.602+/-0.005 χ^2/NDF: 5707861.7/49

All: 34.786+/-0.003 χ^2/NDF: 10992485.1/103

- sign 34.968+/-0.005 χ^2/NDF: 5281740.4/53



Right In: -0.008+/-0.012 χ^2/NDF: 27.9/24

Left Out: -0.010+/-0.008 χ^2/NDF:39.5/24

Right Out: 0.007+/-0.012 χ^2/NDF: 26.1/30

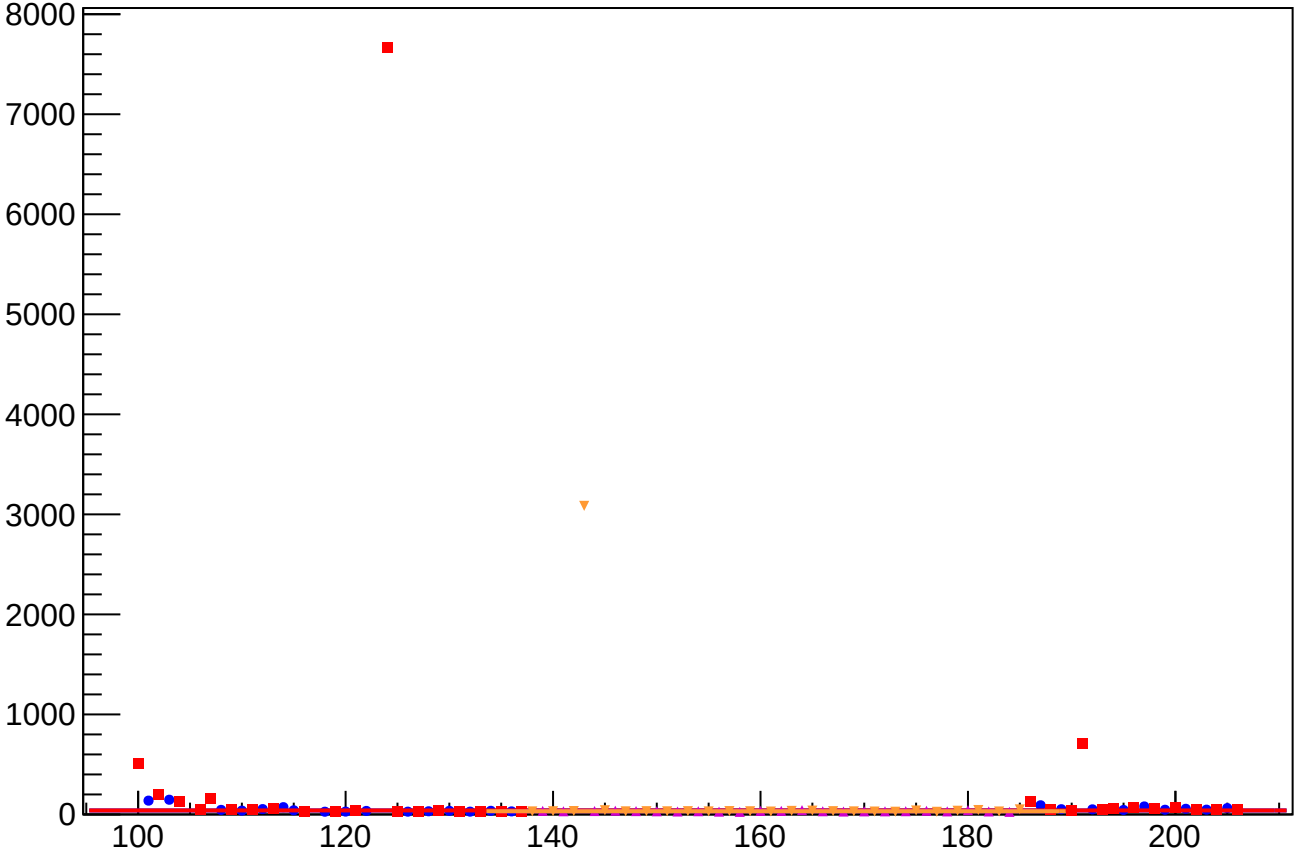
Left In: 0.004+/-0.008 χ^2/NDF:20.8/22

+ sign -0.009+/-0.007 χ^2/NDF: 67.4/49

All: -0.002+/-0.005 χ^2/NDF: 116.5/103

- sign 0.005+/-0.007 χ^2/NDF: 47.0/53

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 39.786+/-0.009 χ^2/NDF: 3071691.1/24

Left Out: 32.277+/-0.006 χ^2/NDF:2120971.9/24

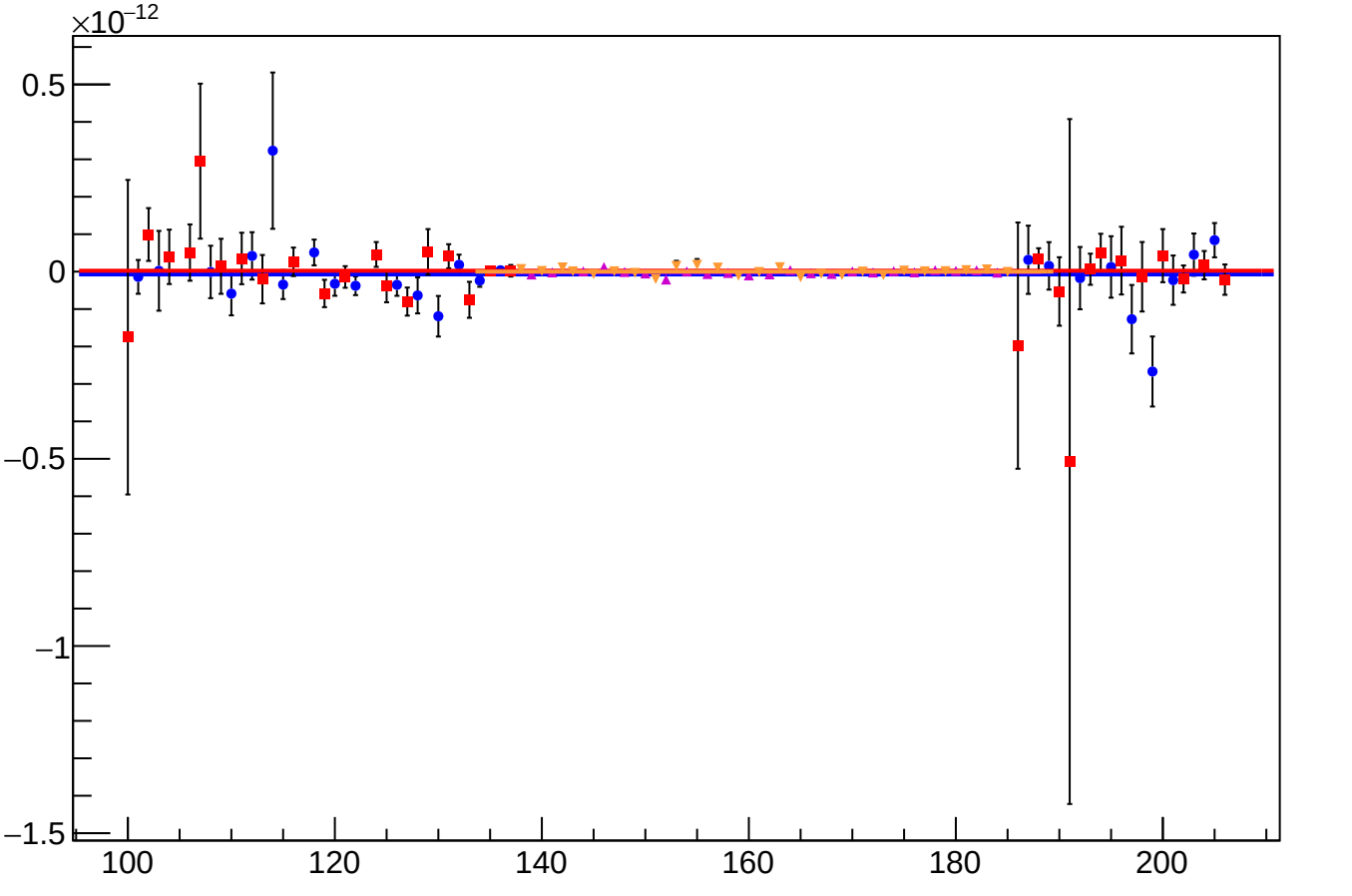
Right Out: 40.237+/-0.008 χ^2/NDF: 4276179.4/30

Left In: 32.422+/-0.006 χ^2/NDF:426001.5/22

+ sign 34.602+/-0.005 χ^2/NDF: 5707861.7/49

All: 34.786+/-0.003 χ^2/NDF: 10992485.1/103

- sign 34.968+/-0.005 χ^2/NDF: 5281740.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 34.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.1/24

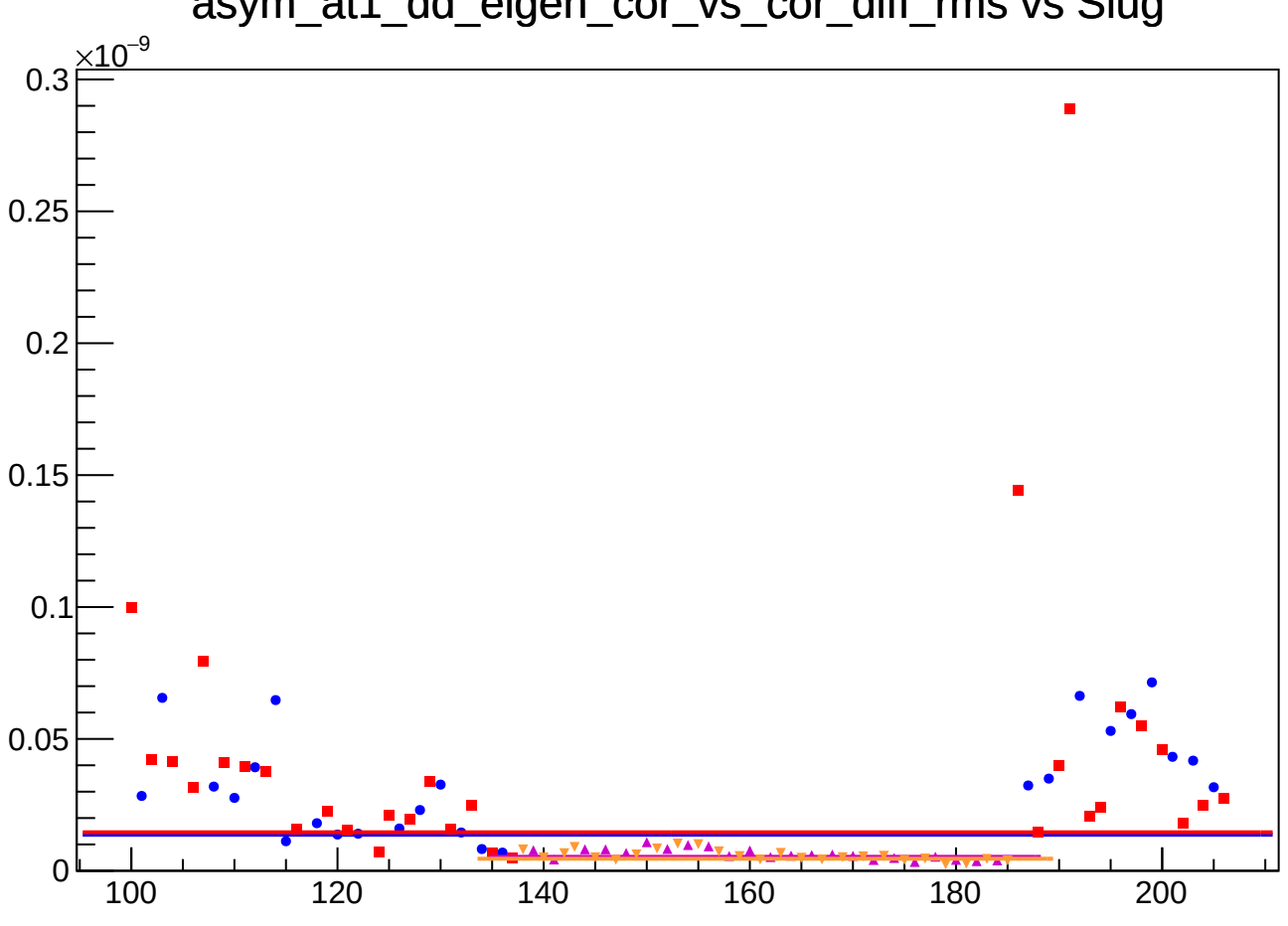
Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/30

Left In: -0.000+/-0.000 χ^2/NDF:9.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.5/49

All: -0.000+/-0.000 χ^2/NDF: 91.2/103

- sign -0.000+/-0.000 χ^2/NDF: 34.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 7118922.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2796753.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6426769.3/30

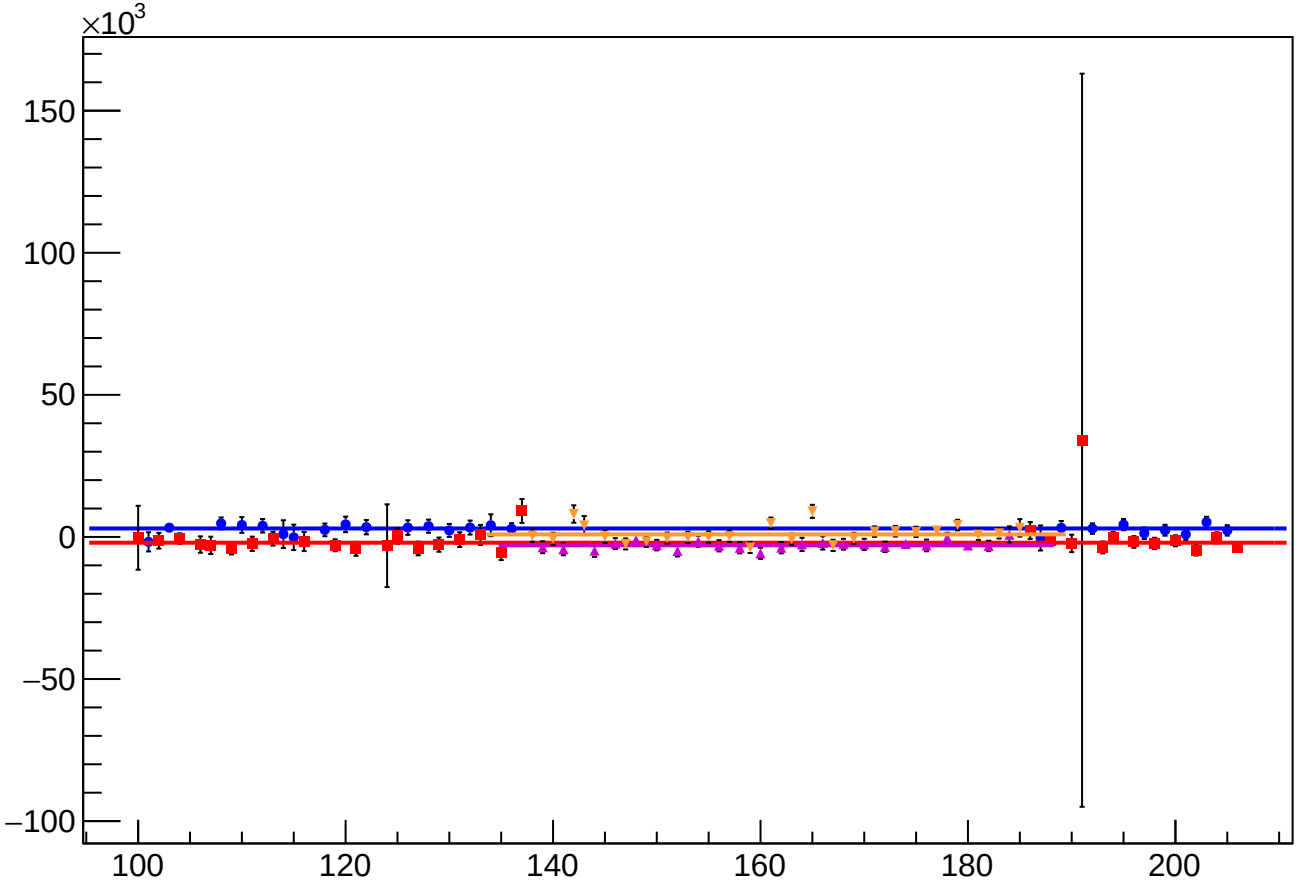
Left In: 0.000+/-0.000 χ^2/NDF:2230717.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 14051879.1/49

All: 0.000+/-0.000 χ^2/NDF: 26853408.2/103

- sign 0.000+/-0.000 χ^2/NDF: 12525998.0/53

reg_asym_at2_avg_mean vs Slug



Right In: 2980.330+/-464.682 χ^2/NDF: 8.8/24

Left Out: 898.921+/-405.540 χ^2/NDF:45.3/24

Right Out: -2030.756+/-434.860 χ^2/NDF: 21.9/30

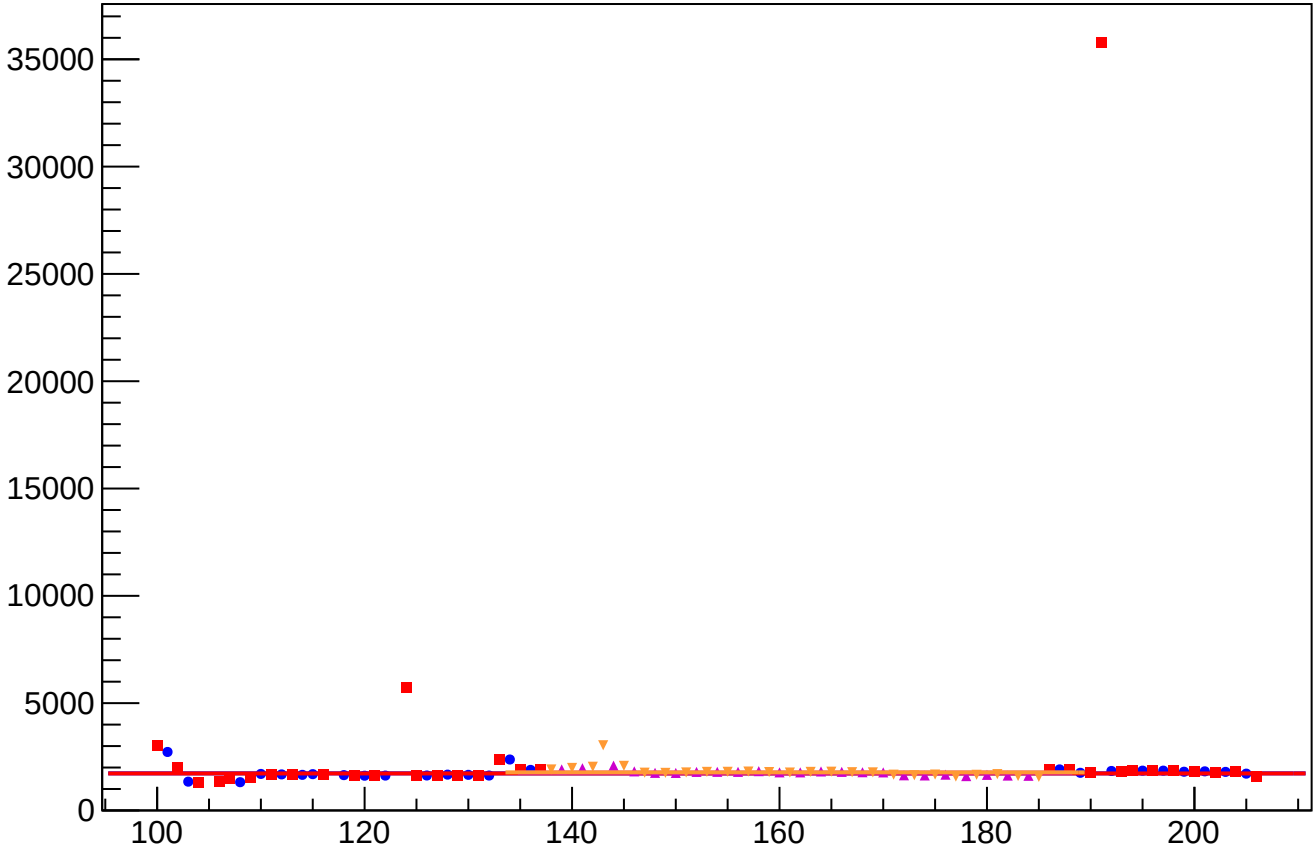
Left In: -2943.285+/-412.069 χ^2/NDF:10.6/22

+ sign 1798.821+/-305.544 χ^2/NDF: 65.4/49

All: -402.234+/-213.741 χ^2/NDF: 201.9/103

- sign -2511.560+/-299.110 χ^2/NDF: 34.8/53

reg_asym_at2_avg_rms vs Slug



Right In: 1728.712+/-0.329 χ^2/NDF: 474345.7/24

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.8/24

Right Out: 1724.138+/-0.307 χ^2/NDF: 692577.8/30

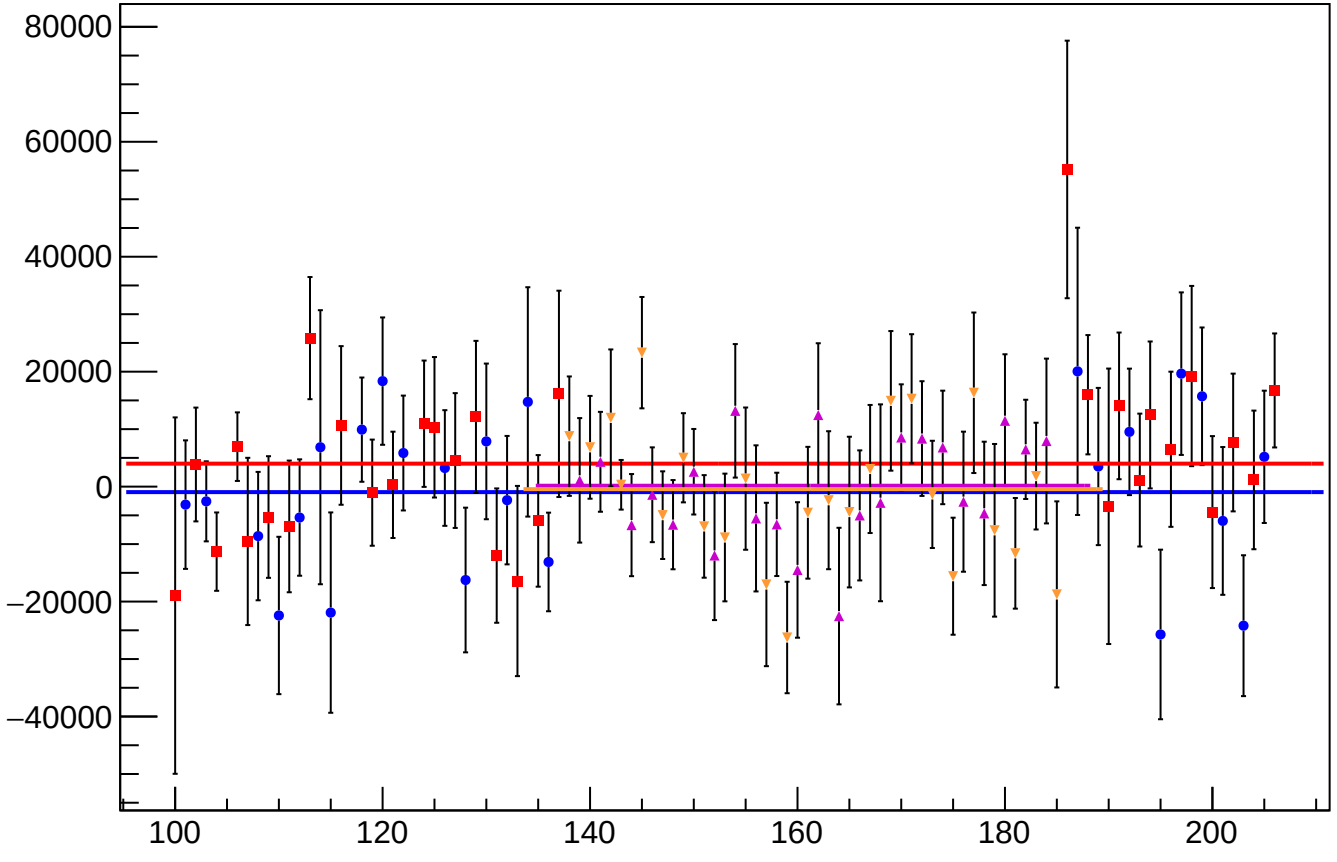
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1754.834+/-0.216 χ^2/NDF: 932375.9/49

All: 1749.101+/-0.151 χ^2/NDF: 1780207.7/10

- sign 1743.607+/-0.212 χ^2/NDF: 846452.8/53

asym_at2_avg_reg_correction_mean vs Slug



Right In: -956.125+/-2325.684 χ^2/NDF: 27.1/24

Left Out: -443.346+/-1925.604 χ^2/NDF:29.5/24

Right Out: 3997.540+/-2035.358 χ^2/NDF: 29.9/30

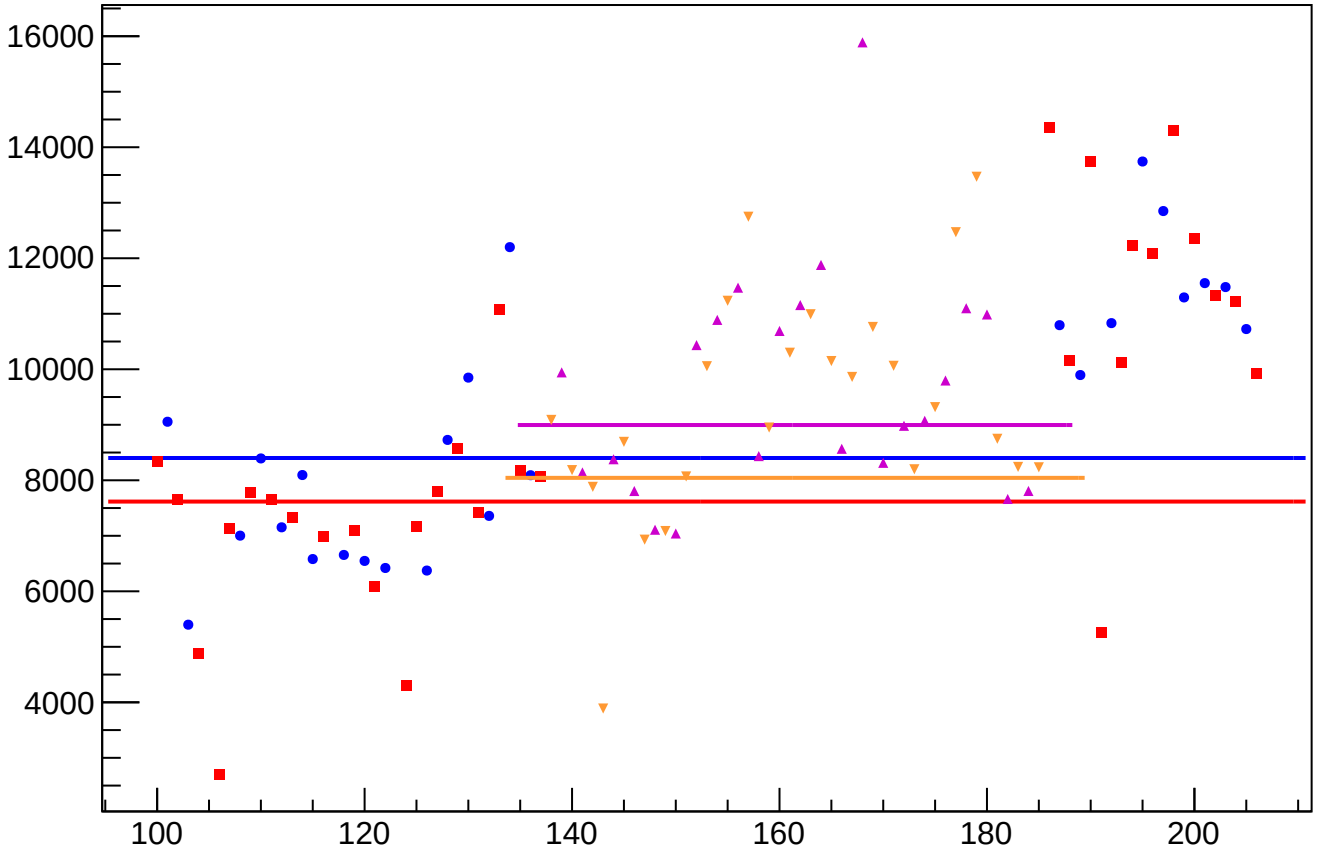
Left In: 155.268+/-2143.489 χ^2/NDF:13.8/22

+ sign -651.903+/-1483.193 χ^2/NDF: 56.6/49

All: 768.837+/-1046.210 χ^2/NDF: 103.8/103

- sign 2175.759+/-1475.962 χ^2/NDF: 45.4/53

asym_at2_avg_reg_correction_rms vs Slug



Right In: 8401.563+/-1.645 χ^2/NDF: 1913885.5/24

Left Out: 8043.834+/-1.362 χ^2/NDF:3362838.6/24

Right Out: 7616.548+/-1.439 χ^2/NDF: 4210515.4/30

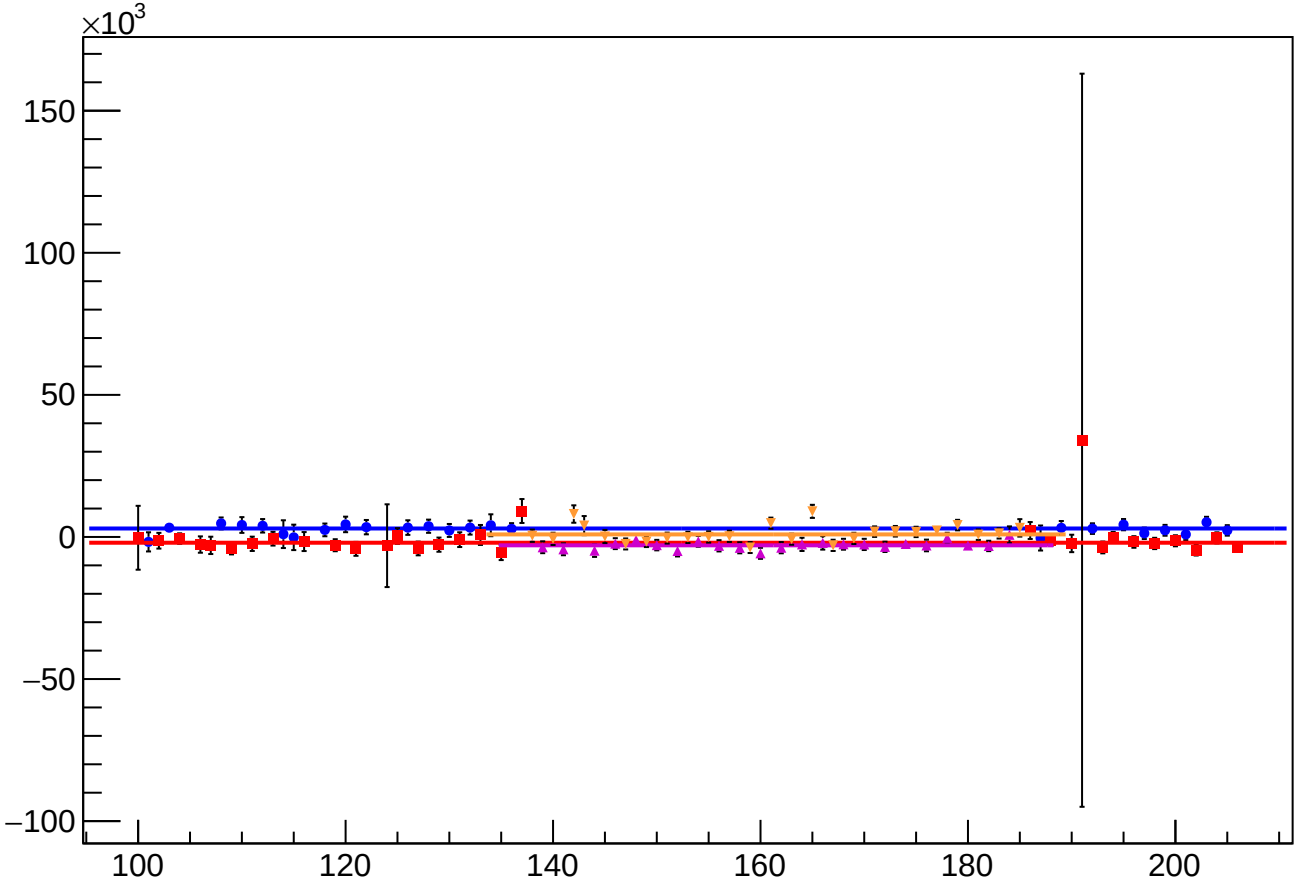
Left In: 8995.626+/-1.516 χ^2/NDF:1207133.5/22

+ sign 8189.329+/-1.049 χ^2/NDF: 5304797.7/49

All: 8230.075+/-0.740 χ^2/NDF: 11160796.9/1

- sign 8270.425+/-1.044 χ^2/NDF: 5852995.0/53

cor_asym_at2_avg_mean vs Slug



Right In: 2980.378+/-464.682 χ^2/NDF: 8.8/24

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -2030.674+/-434.860 χ^2/NDF: 21.9/30

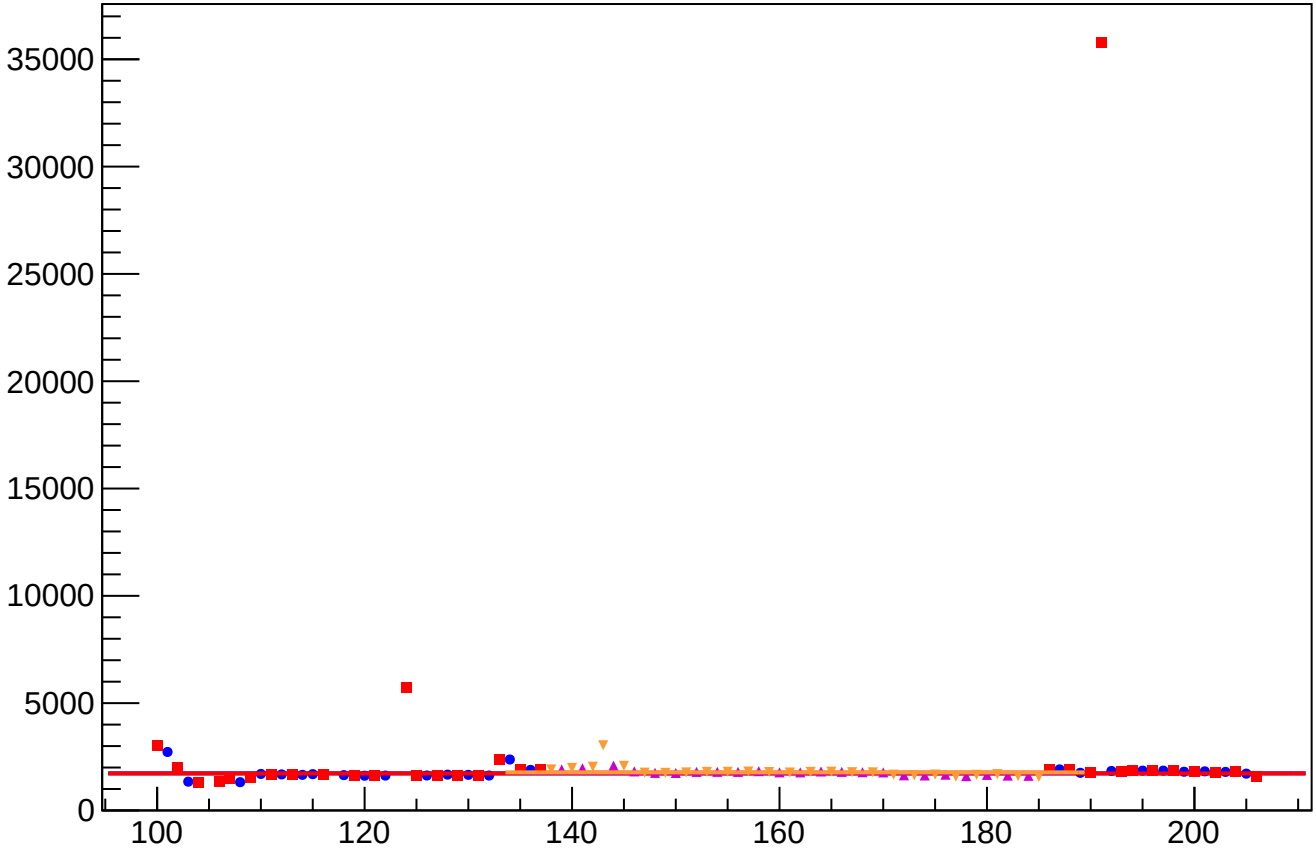
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1798.796+/-305.544 χ^2/NDF: 65.4/49

All: -402.196+/-213.741 χ^2/NDF: 201.9/103

- sign -2511.461+/-299.110 χ^2/NDF: 34.8/53

cor_asym_at2_avg_rms vs Slug



Right In: 1728.712+/-0.329 χ^2/NDF: 474346.1/24

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1724.138+/-0.307 χ^2/NDF: 692578.0/30

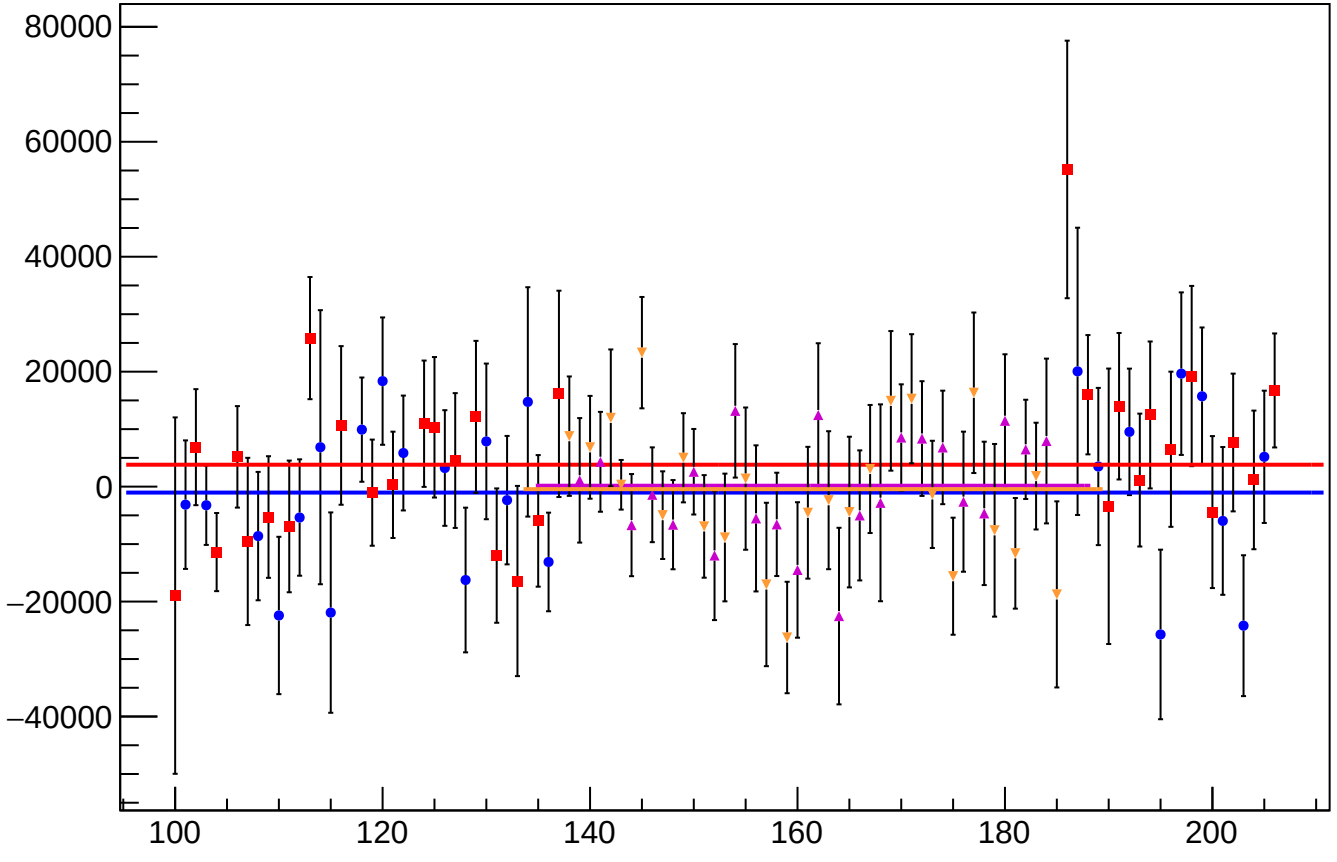
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1754.834+/-0.216 χ^2/NDF: 932376.4/49

All: 1749.101+/-0.151 χ^2/NDF: 1780208.4/10

- sign 1743.607+/-0.212 χ^2/NDF: 846453.0/53

asym_at2_avg_cor_correction_mean vs Slug



Right In: -1036.144+/-2323.451 χ^2/NDF: 27.1/24

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3811.600+/-2104.180 χ^2/NDF: 29.8/30

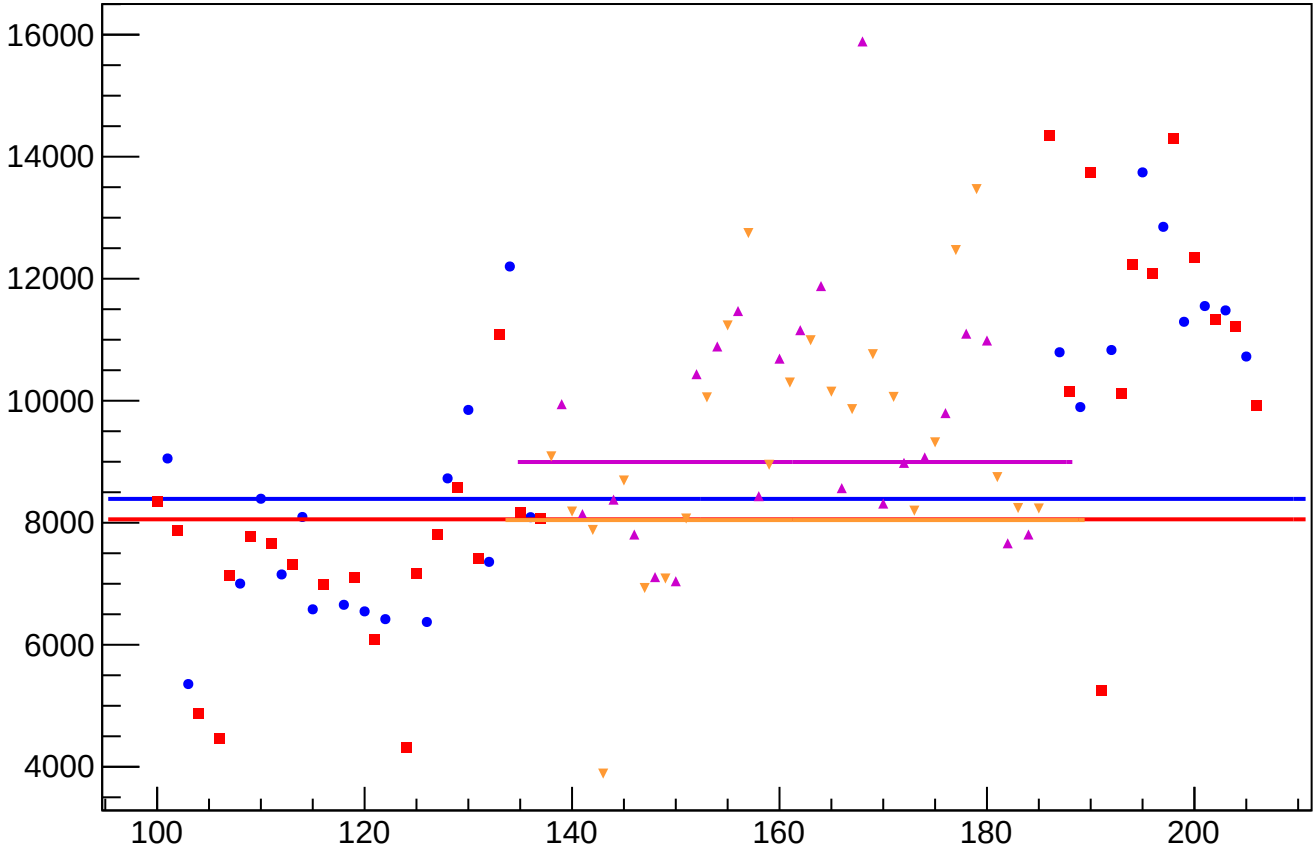
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -684.747+/-1482.611 χ^2/NDF: 56.6/49

All: 649.074+/-1055.008 χ^2/NDF: 103.4/103

- sign 2017.251+/-1501.584 χ^2/NDF: 45.1/53

asym_at2_avg_cor_correction_rms vs Slug



Right In: 8390.996+/-1.643 χ^2/NDF: 1930956.0/24

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8056.210+/-1.488 χ^2/NDF: 3024553.6/30

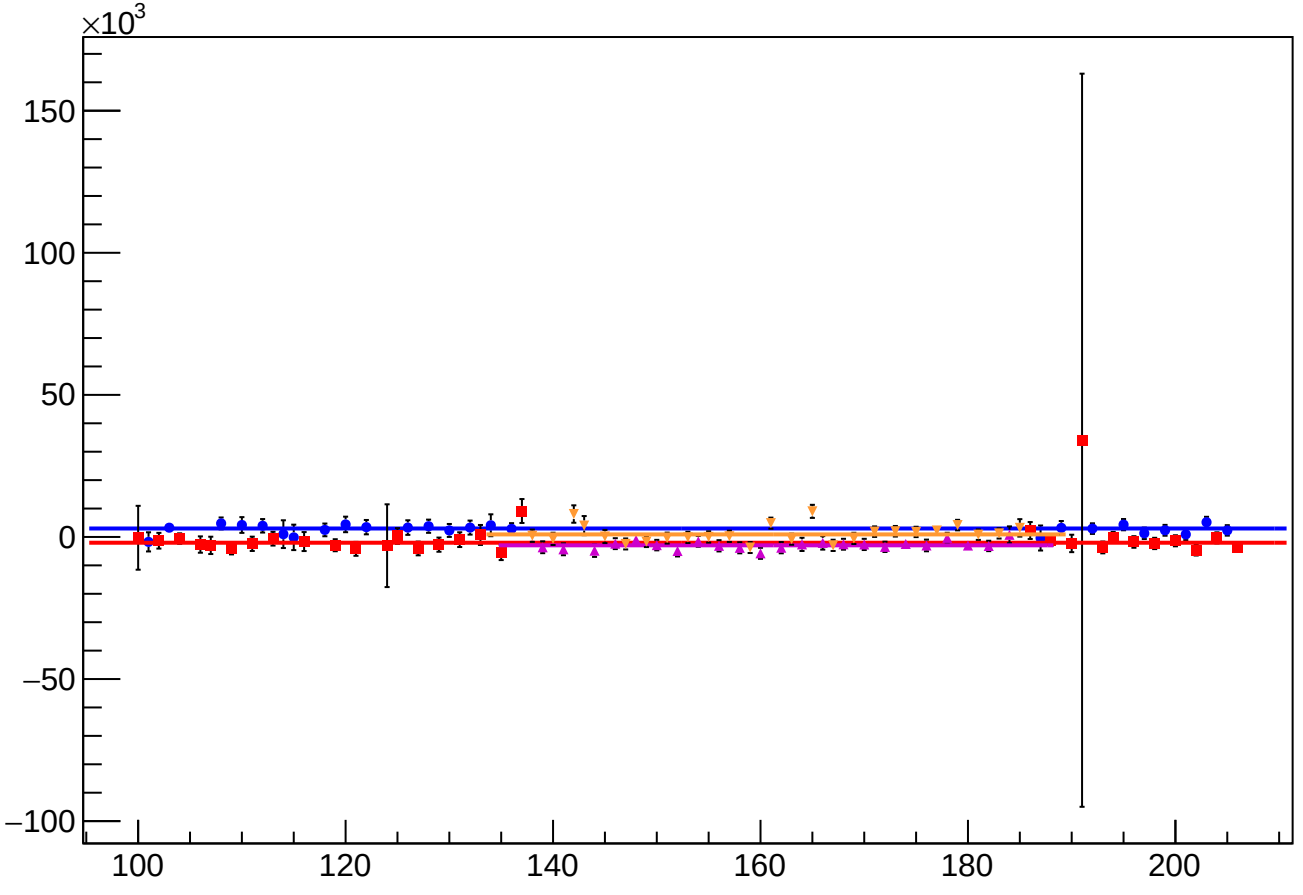
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8185.177+/-1.048 χ^2/NDF: 5320345.4/49

All: 8349.088+/-0.746 χ^2/NDF: 9797185.1/10

- sign 8517.220+/-1.062 χ^2/NDF: 4427319.9/53

eigen_cor_asym_at2_avg_mean vs Slug



Right In: 2980.378+/-464.682 χ^2/NDF: 8.8/24

Left Out: 898.842+/-405.540 χ^2/NDF:45.3/24

Right Out: -2030.674+/-434.860 χ^2/NDF: 21.9/30

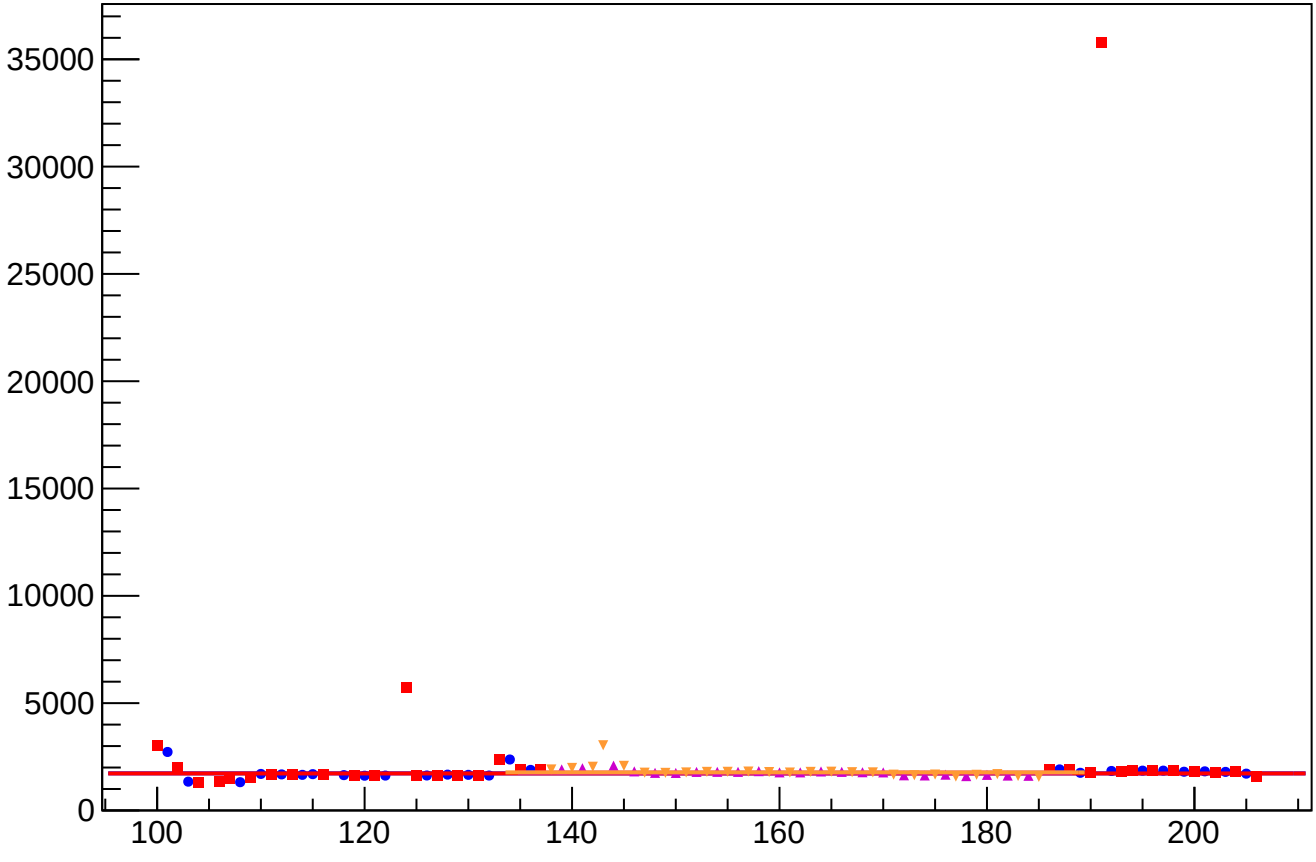
Left In: -2943.173+/-412.069 χ^2/NDF:10.6/22

+ sign 1798.796+/-305.544 χ^2/NDF: 65.4/49

All: -402.196+/-213.741 χ^2/NDF: 201.9/103

- sign -2511.461+/-299.110 χ^2/NDF: 34.8/53

eigen_cor_asym_at2_avg_rms vs Slug



Right In: 1728.712+/-0.329 χ^2/NDF: 474346.1/24

Left Out: 1774.731+/-0.287 χ^2/NDF:446895.7/24

Right Out: 1724.138+/-0.307 χ^2/NDF: 692578.0/30

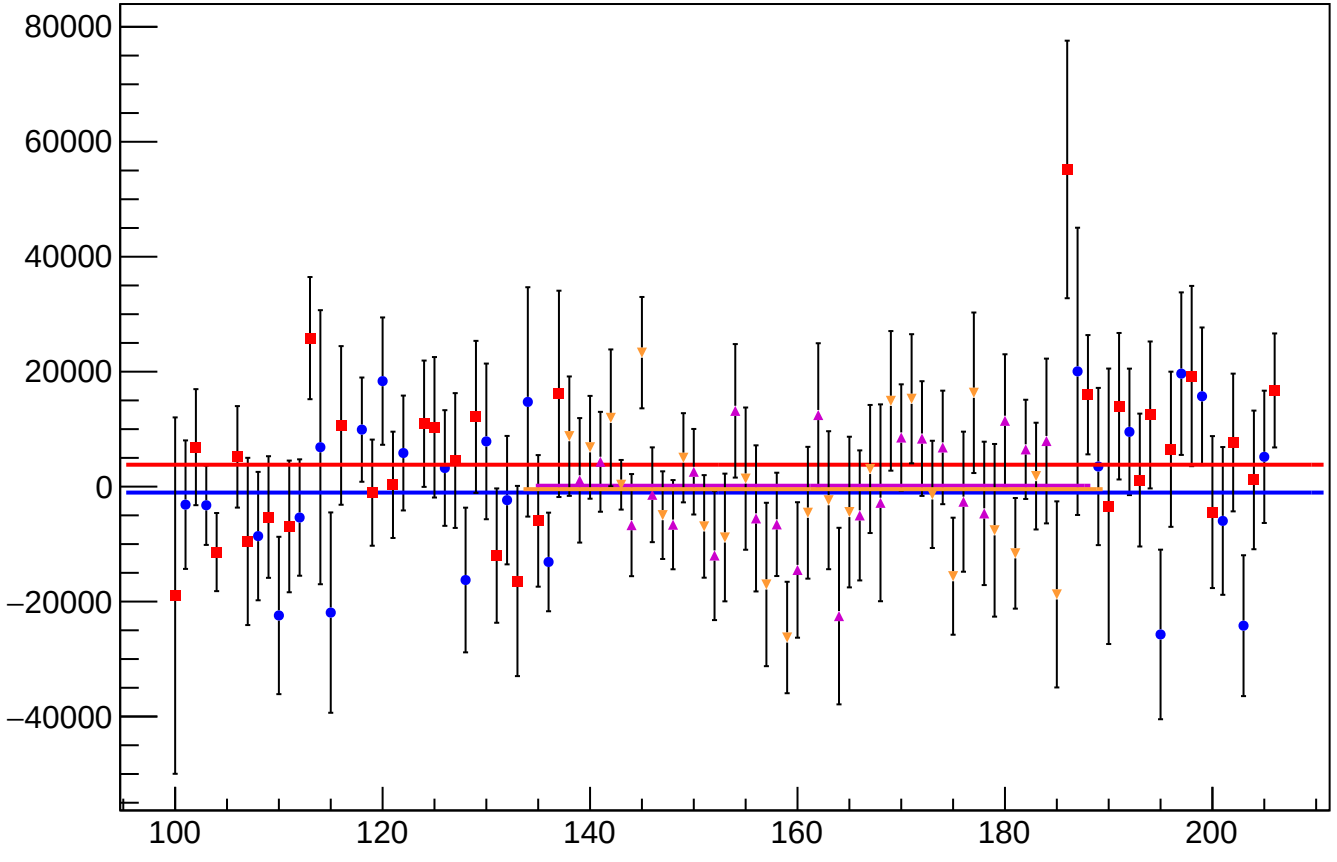
Left In: 1761.089+/-0.291 χ^2/NDF:146266.6/22

+ sign 1754.834+/-0.216 χ^2/NDF: 932376.4/49

All: 1749.101+/-0.151 χ^2/NDF: 1780208.4/10

- sign 1743.607+/-0.212 χ^2/NDF: 846453.0/53

asym_at2_avg_eigen_cor_correction_mean vs Slug



Right In: -1036.144+/-2323.451 χ^2/NDF: 27.1/24

Left Out: -443.387+/-1925.600 χ^2/NDF:29.5/24

Right Out: 3811.600+/-2104.180 χ^2/NDF: 29.8/30

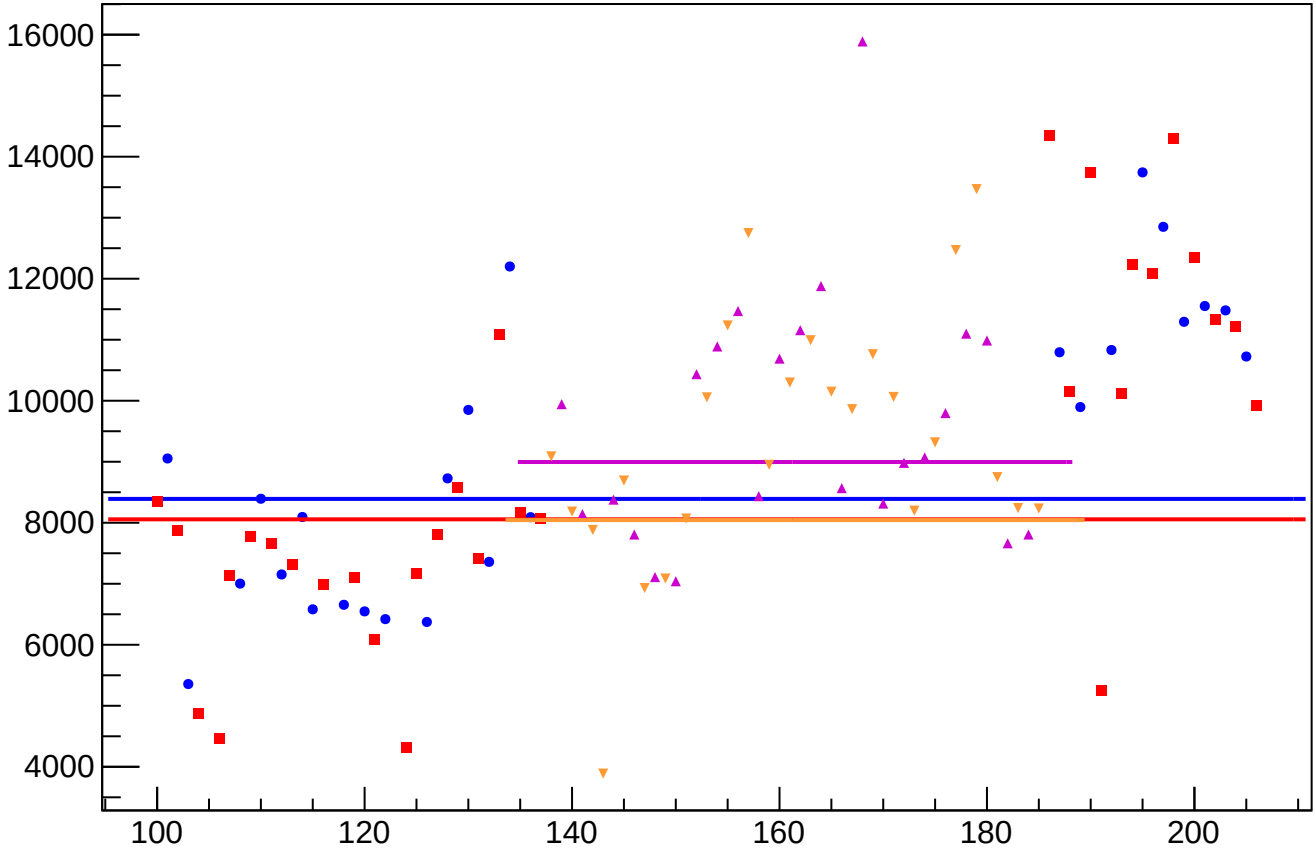
Left In: 155.239+/-2143.487 χ^2/NDF:13.8/22

+ sign -684.747+/-1482.611 χ^2/NDF: 56.6/49

All: 649.074+/-1055.008 χ^2/NDF: 103.4/103

- sign 2017.251+/-1501.584 χ^2/NDF: 45.1/53

asym_at2_avg_eigen_cor_correction_rms vs Slug



Right In: 8390.996+/-1.643 χ^2/NDF: 1930956.0/24

Left Out: 8043.808+/-1.362 χ^2/NDF:3362915.7/24

Right Out: 8056.210+/-1.488 χ^2/NDF: 3024553.6/30

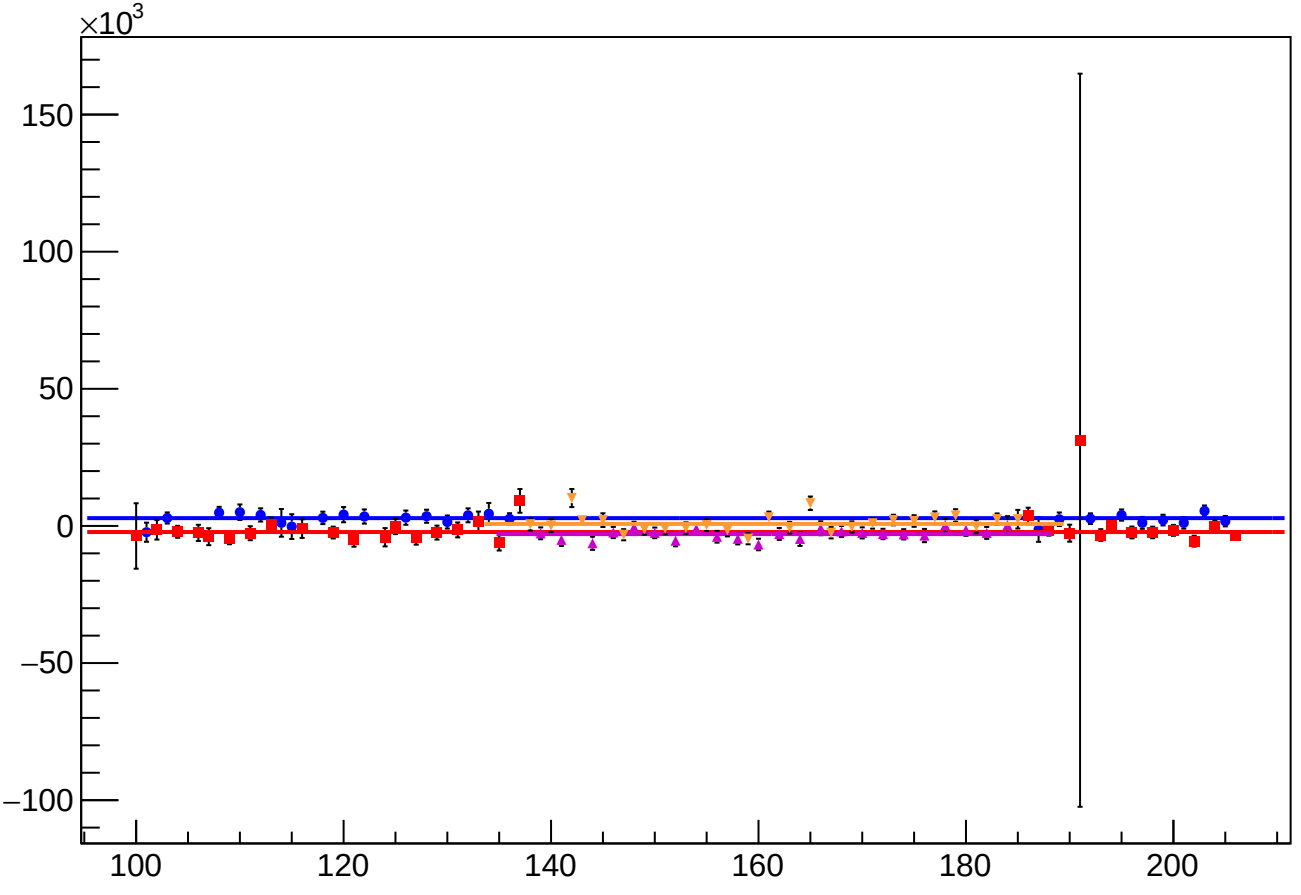
Left In: 8995.616+/-1.516 χ^2/NDF:1207139.1/22

+ sign 8185.177+/-1.048 χ^2/NDF: 5320345.4/49

All: 8349.088+/-0.746 χ^2/NDF: 9797185.1/10

- sign 8517.220+/-1.062 χ^2/NDF: 4427319.9/53

dit_asym_at2_avg_mean vs Slug



Right In: 2842.452+/-481.825 χ^2/NDF: 10.2/24

Left Out: 739.029+/-432.878 χ^2/NDF:41.6/24

Right Out: -2224.222+/-448.148 χ^2/NDF: 26.3/30

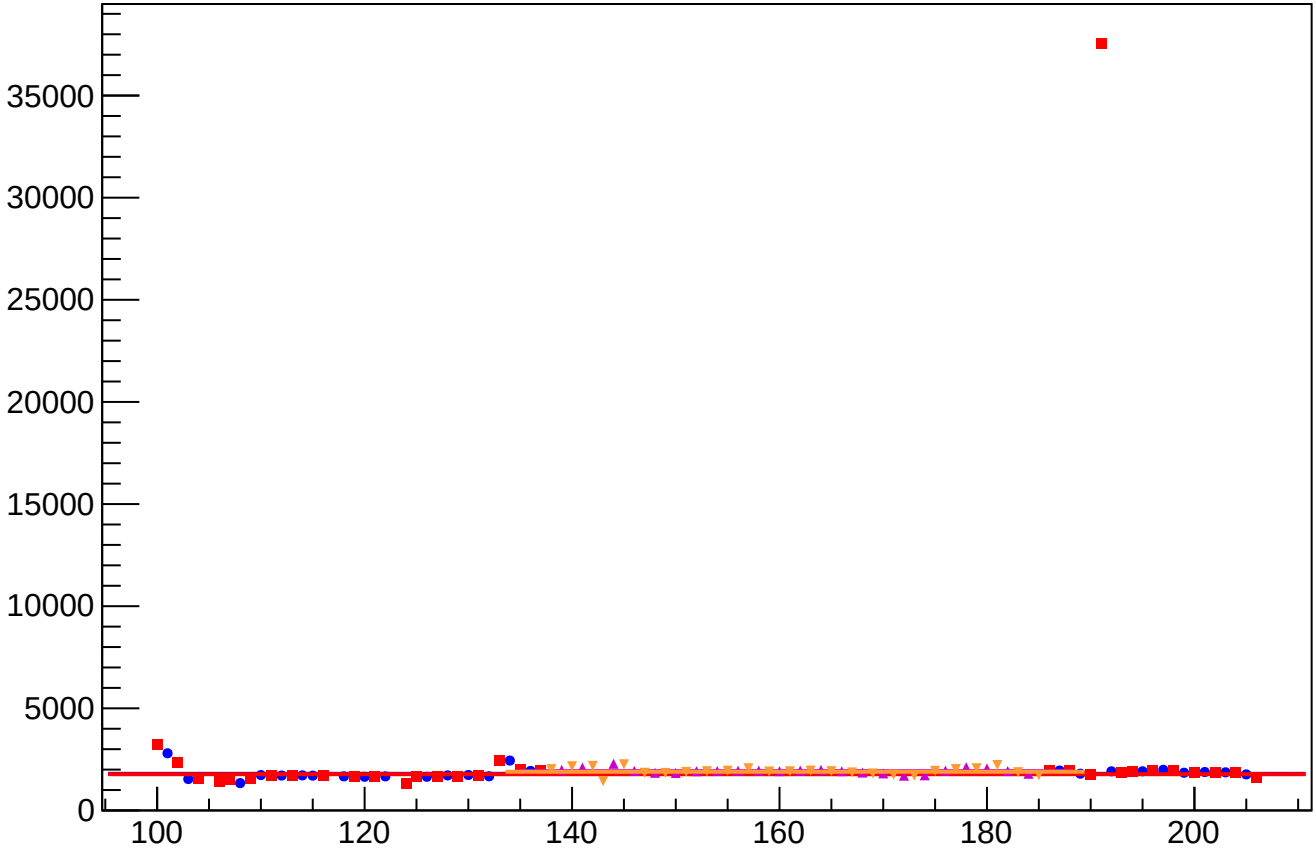
Left In: -2979.225+/-450.334 χ^2/NDF:15.6/22

+ sign 1678.505+/-322.010 χ^2/NDF: 62.4/49

All: -489.790+/-226.141 χ^2/NDF: 195.2/103

- sign -2599.886+/-317.659 χ^2/NDF: 43.3/53

dit_asym_at2_avg_rms vs Slug



Right In: 1792.963+/-0.341 χ^2/NDF: 429425.2/24

Left Out: 1894.684+/-0.306 χ^2/NDF:368587.1/24

Right Out: 1774.795+/-0.317 χ^2/NDF: 562376.9/30

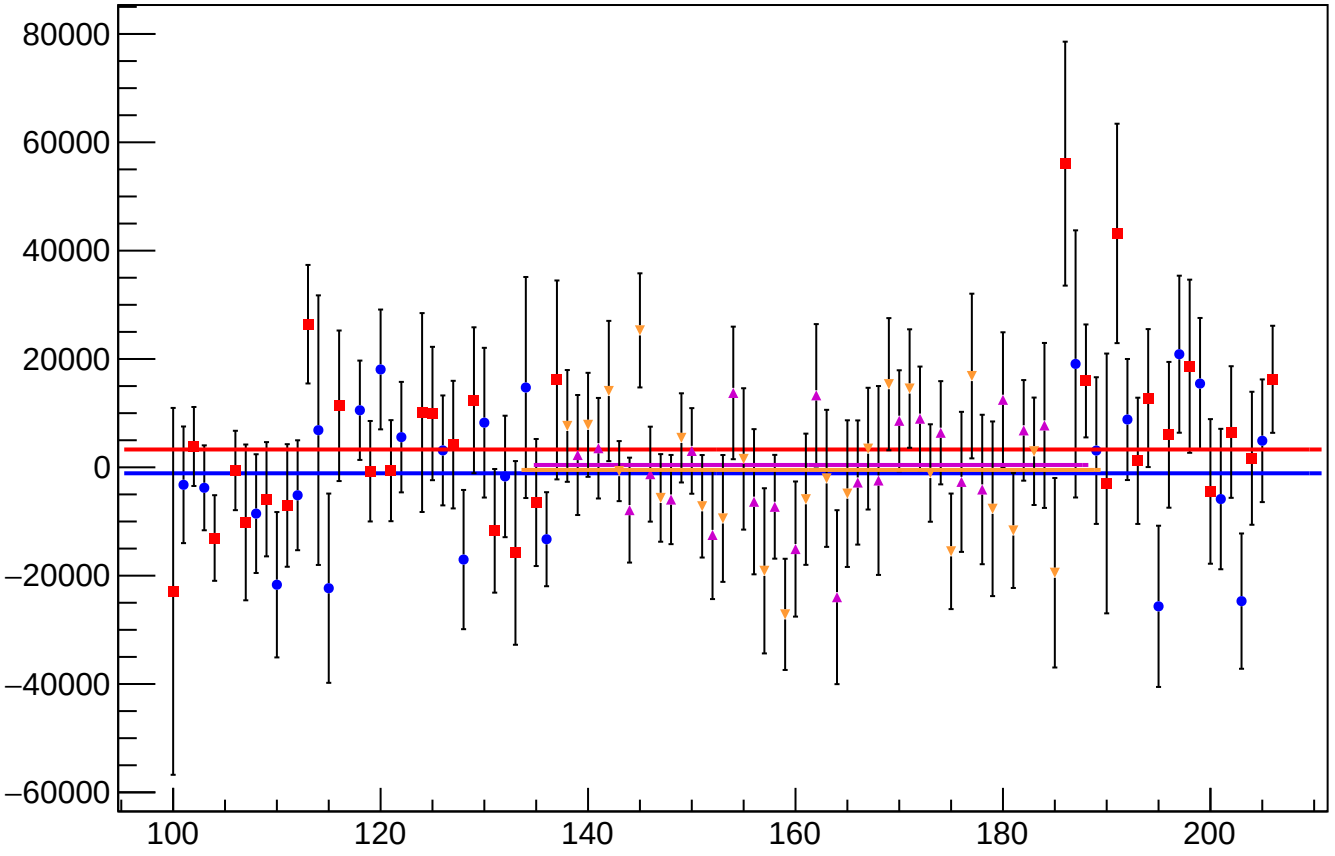
Left In: 1923.038+/-0.318 χ^2/NDF:150977.3/22

+ sign 1849.251+/-0.228 χ^2/NDF: 847339.2/49

All: 1848.892+/-0.160 χ^2/NDF: 1669608.2/10

- sign 1848.542+/-0.225 χ^2/NDF: 822264.1/53

asym_at2_avg_dit_correction_mean vs Slug



Right In: -1101.701+/-2363.200 χ^2/NDF: 26.9/24

Left Out: -479.338+/-2089.235 χ^2/NDF:28.8/24

Right Out: 3293.662+/-2113.514 χ^2/NDF: 32.5/30

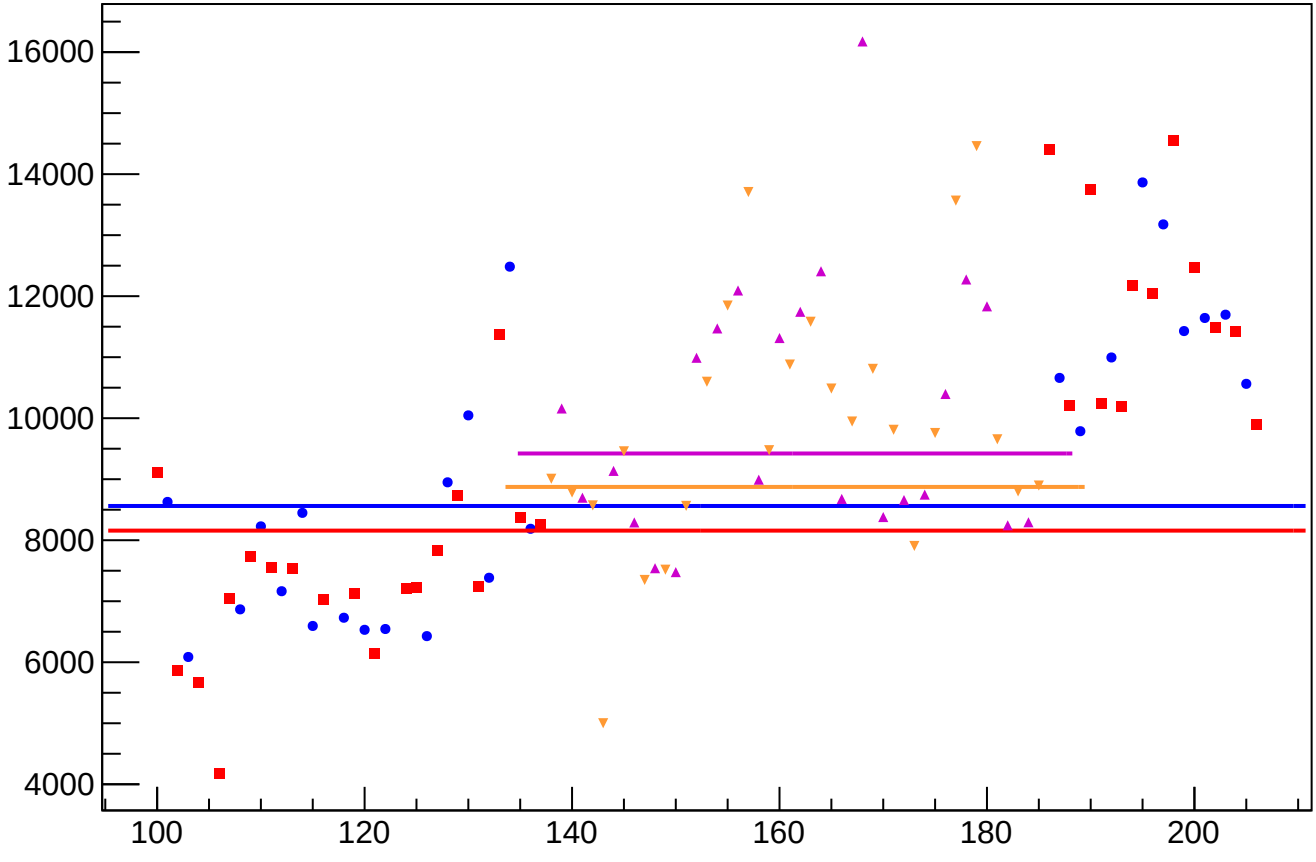
Left In: 436.717+/-2245.180 χ^2/NDF:13.6/22

\+ sign -752.369+/-1565.253 χ^2/NDF: 55.8/49

All: 622.454+/-1097.374 χ^2/NDF: 104.2/103

\- sign 1951.412+/-1538.923 χ^2/NDF: 46.9/53

asym_at2_avg_dit_correction_rms vs Slug



Right In: 8561.331+/-1.671 χ^2/NDF: 1746131.3/24

Left Out: 8873.592+/-1.477 χ^2/NDF:2203249.6/24

Right Out: 8157.543+/-1.494 χ^2/NDF: 2925484.2/30

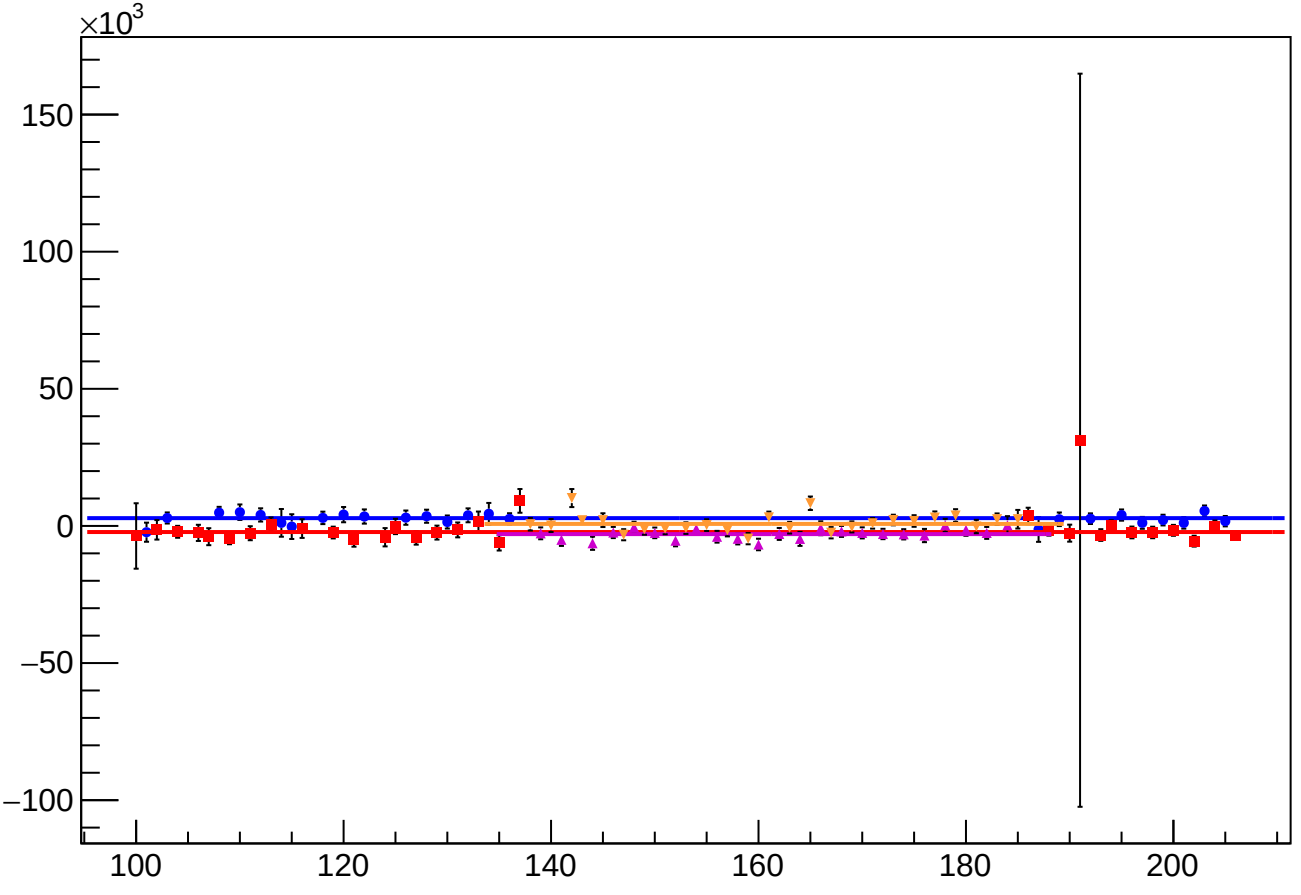
Left In: 9421.708+/-1.588 χ^2/NDF:1204848.0/22

+ sign 8736.603+/-1.107 χ^2/NDF: 3968981.2/49

All: 8744.164+/-0.776 χ^2/NDF: 8435574.8/10

- sign 8751.473+/-1.088 χ^2/NDF: 4466501.8/53

eigen_dit_asym_at2_avg_mean vs Slug



Right In: 2842.448+/-481.825 χ^2/NDF: 10.2/24

Left Out: 739.018+/-432.879 χ^2/NDF:41.6/24

Right Out: -2224.220+/-448.148 χ^2/NDF: 26.3/30

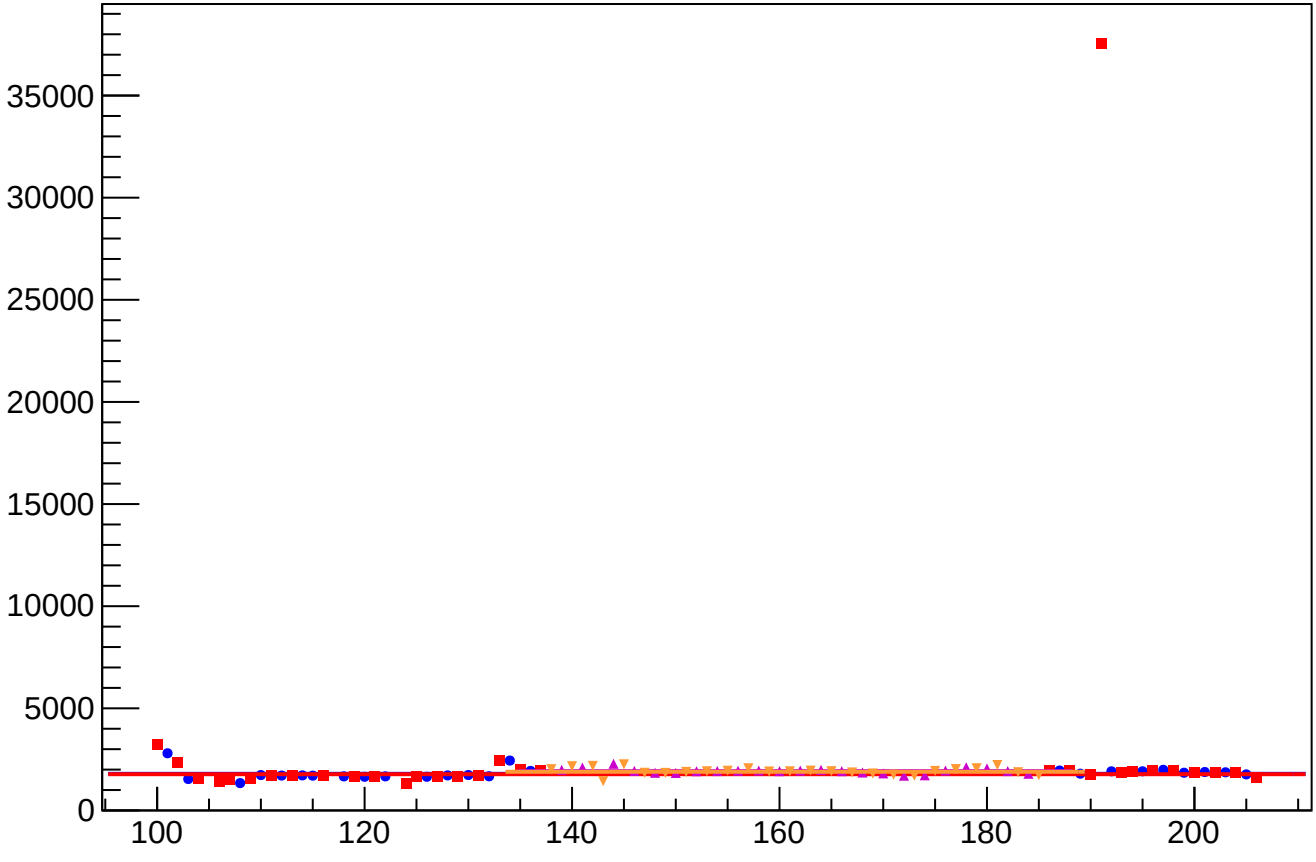
Left In: -2979.226+/-450.335 χ^2/NDF:15.6/22

+ sign 1678.499+/-322.010 χ^2/NDF: 62.4/49

All: -489.792+/-226.141 χ^2/NDF: 195.2/103

- sign -2599.885+/-317.659 χ^2/NDF: 43.3/53

eigen_dit_asym_at2_avg_rms vs Slug



Right In: 1792.962+/-0.341 χ^2/NDF: 429426.0/24

Left Out: 1894.687+/-0.306 χ^2/NDF:368594.6/24

Right Out: 1774.795+/-0.317 χ^2/NDF: 562378.7/30

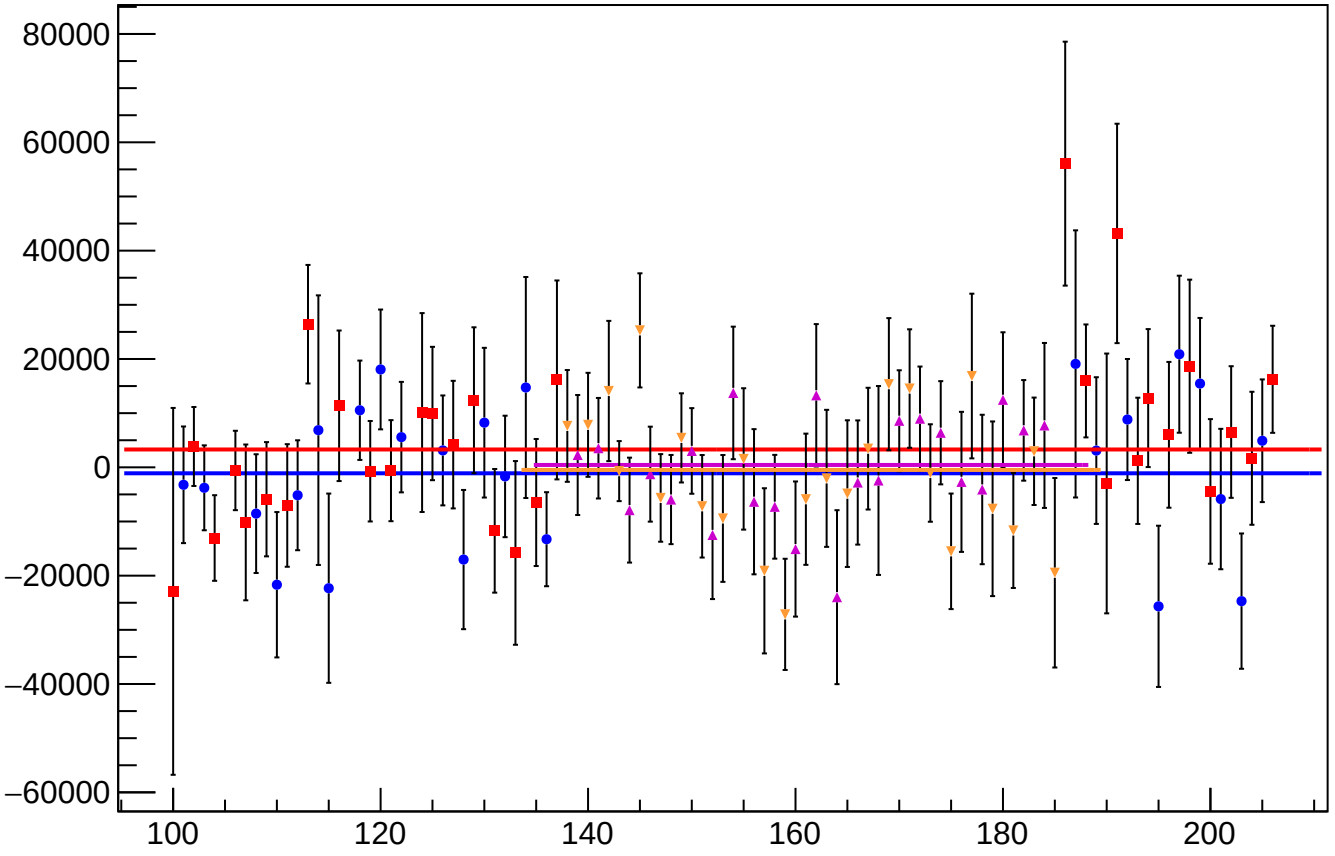
Left In: 1923.042+/-0.318 χ^2/NDF:150984.8/22

+ sign 1849.253+/-0.228 χ^2/NDF: 847350.9/49

All: 1848.893+/-0.160 χ^2/NDF: 1669633.7/10

- sign 1848.544+/-0.225 χ^2/NDF: 822277.9/53

asym_at2_avg_eigen_dit_correction_mean vs Slug



Right In: -1101.688+/-2363.197 χ^2/NDF: 26.9/24

Left Out: -479.345+/-2089.238 χ^2/NDF:28.8/24

Right Out: 3293.647+/-2113.512 χ^2/NDF: 32.5/30

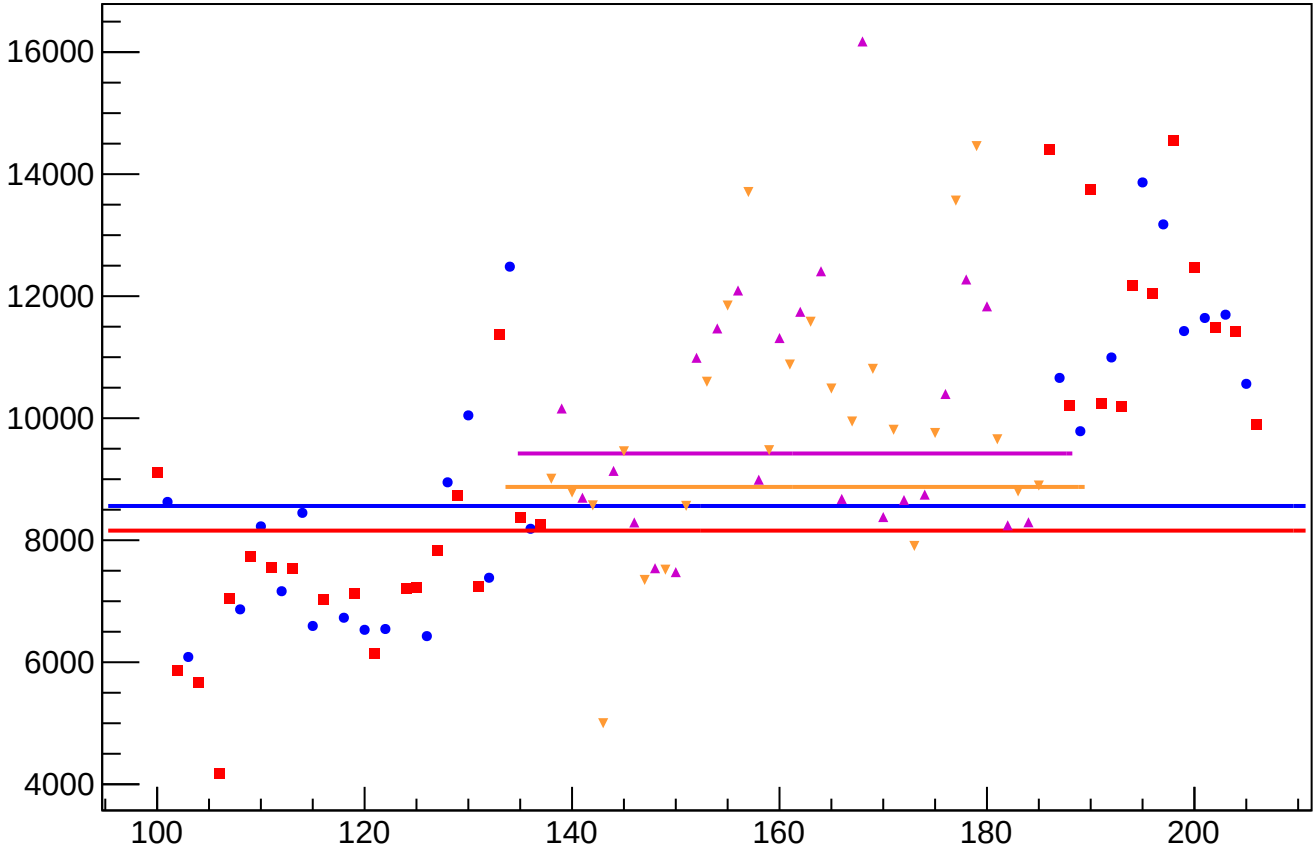
Left In: 436.720+/-2245.183 χ^2/NDF:13.6/22

+ sign -752.368+/-1565.254 χ^2/NDF: 55.8/49

All: 622.453+/-1097.374 χ^2/NDF: 104.2/103

- sign 1951.409+/-1538.923 χ^2/NDF: 46.9/53

asym_at2_avg_eigen_dit_correction_rms vs Slug



Right In: 8561.317+/-1.671 χ^2/NDF: 1746154.9/24

Left Out: 8873.607+/-1.477 χ^2/NDF:2203251.2/24

Right Out: 8157.531+/-1.494 χ^2/NDF: 2925506.7/30

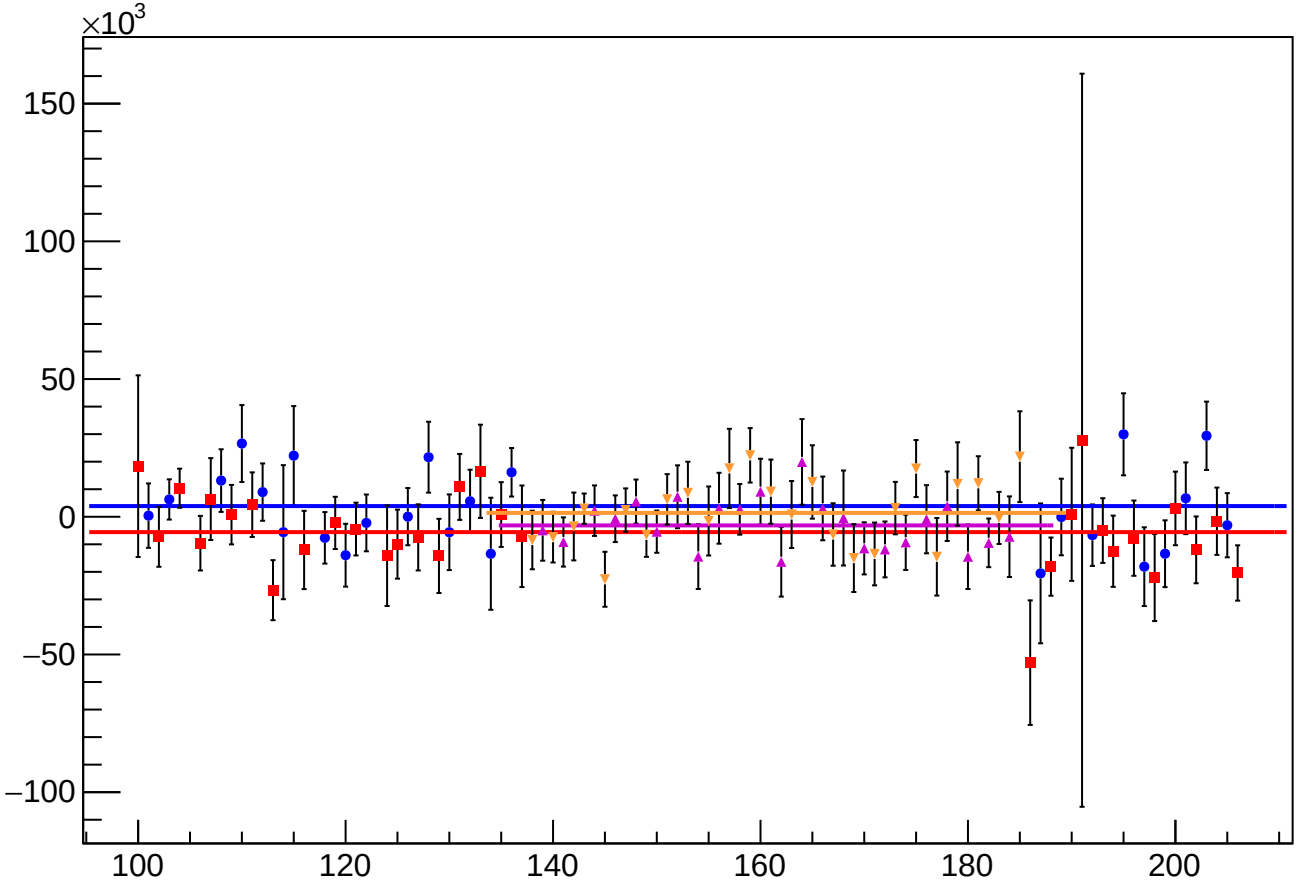
Left In: 9421.722+/-1.588 χ^2/NDF:1204851.9/22

+ sign 8736.605+/-1.107 χ^2/NDF: 3969009.8/49

All: 8744.164+/-0.776 χ^2/NDF: 8435643.4/10

- sign 8751.471+/-1.088 χ^2/NDF: 4466541.9/53

asym_at2_avg_mean vs Slug



Right In: 3881.101+/-2385.850 χ^2/NDF: 28.4/24

Left Out: 1408.316+/-2039.907 χ^2/NDF:27.4/24

Right Out: -5571.199+/-2225.521 χ^2/NDF: 26.5/30

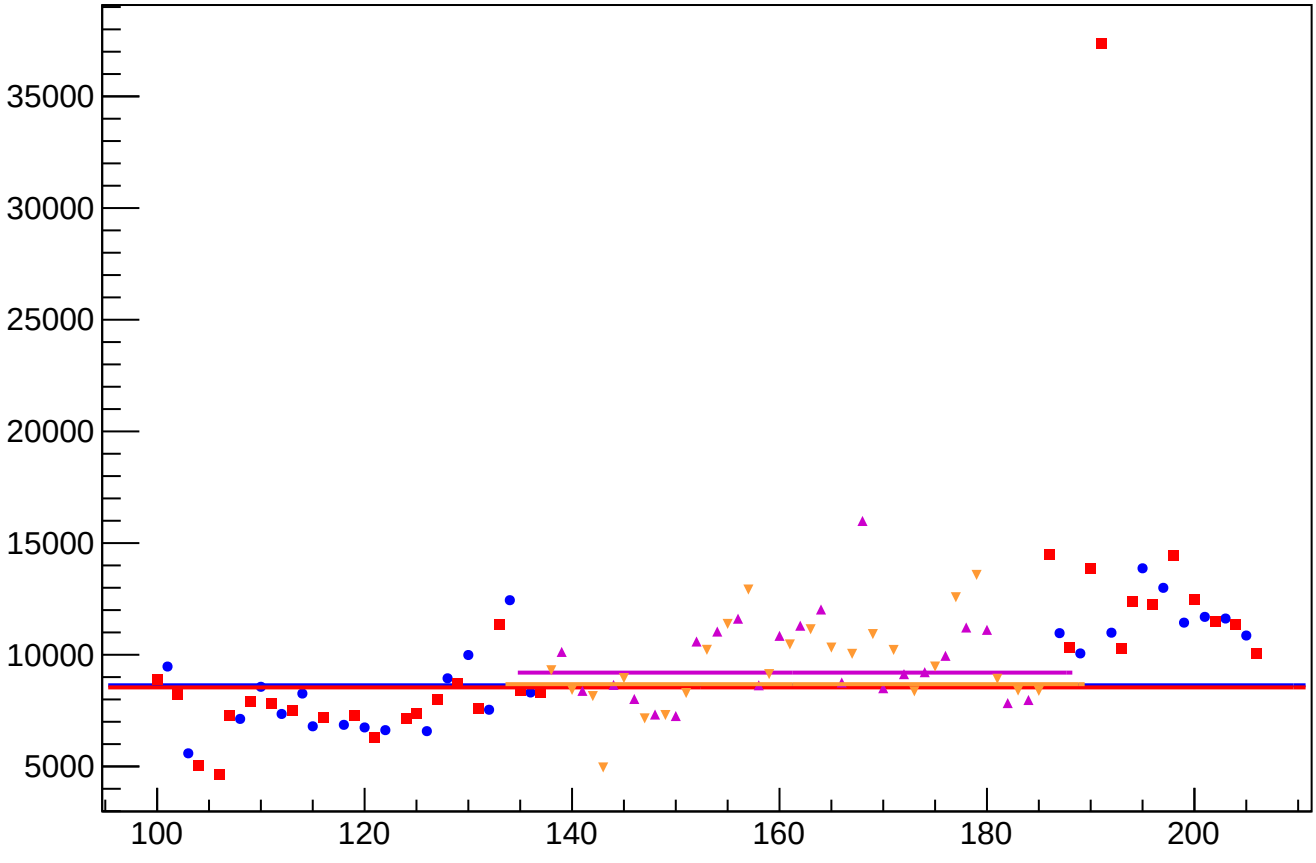
Left In: -3139.264+/-2189.465 χ^2/NDF:13.0/22

+ sign 2452.595+/-1550.452 χ^2/NDF: 56.5/49

All: -918.861+/-1099.967 χ^2/NDF: 106.1/103

- sign -4335.372+/-1560.777 χ^2/NDF: 40.1/53

asym_at2_avg_rms vs Slug



Right In: 8633.347+/-1.687 χ^2/NDF: 1804297.0/24

Left Out: 8684.549+/-1.442 χ^2/NDF:2051622.3/24

Right Out: 8538.675+/-1.574 χ^2/NDF: 2581740.0/30

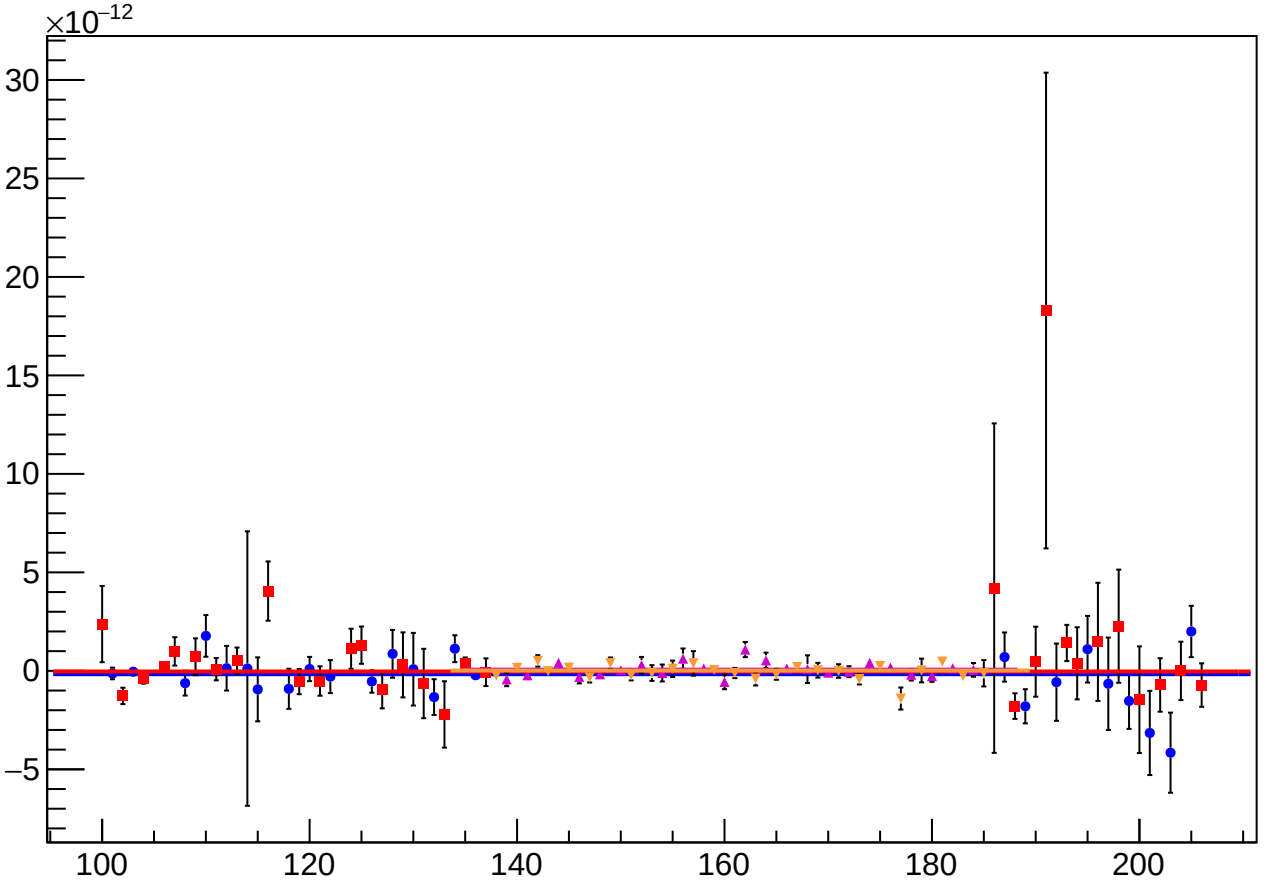
Left In: 9200.796+/-1.548 χ^2/NDF:1129421.3/22

+ sign 8662.926+/-1.096 χ^2/NDF: 3856451.4/49

All: 8768.323+/-0.778 χ^2/NDF: 7676184.9/10

- sign 8875.124+/-1.104 χ^2/NDF: 3801126.1/53

asym_at2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/24

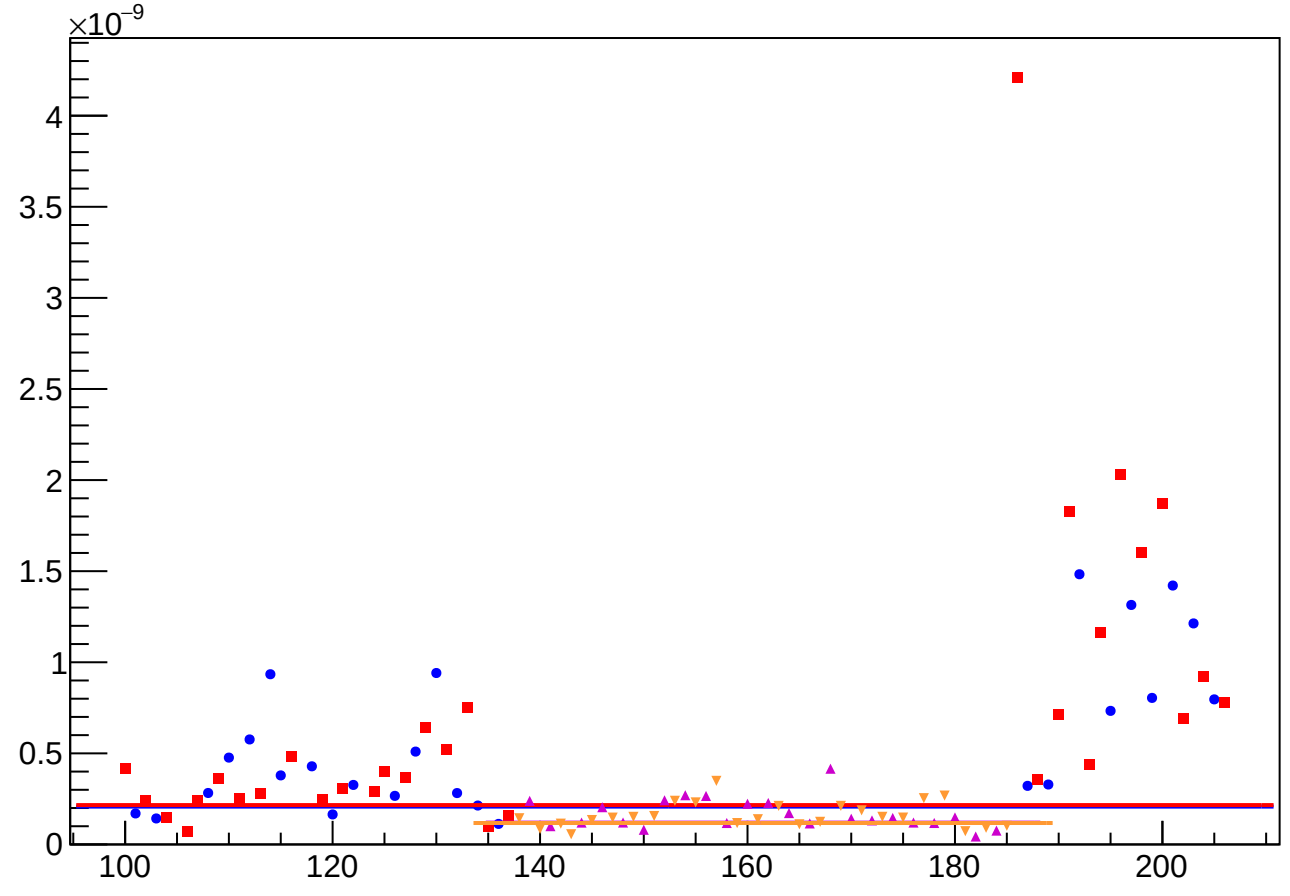
Right Out: -0.000+/-0.000 χ^2/NDF: 47.2/30

Left In: 0.000+/-0.000 χ^2/NDF:27.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 56.8/49

All: 0.000+/-0.000 χ^2/NDF: 133.1/103

- sign 0.000+/-0.000 χ^2/NDF: 75.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 5089388.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2335885.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6436165.6/30

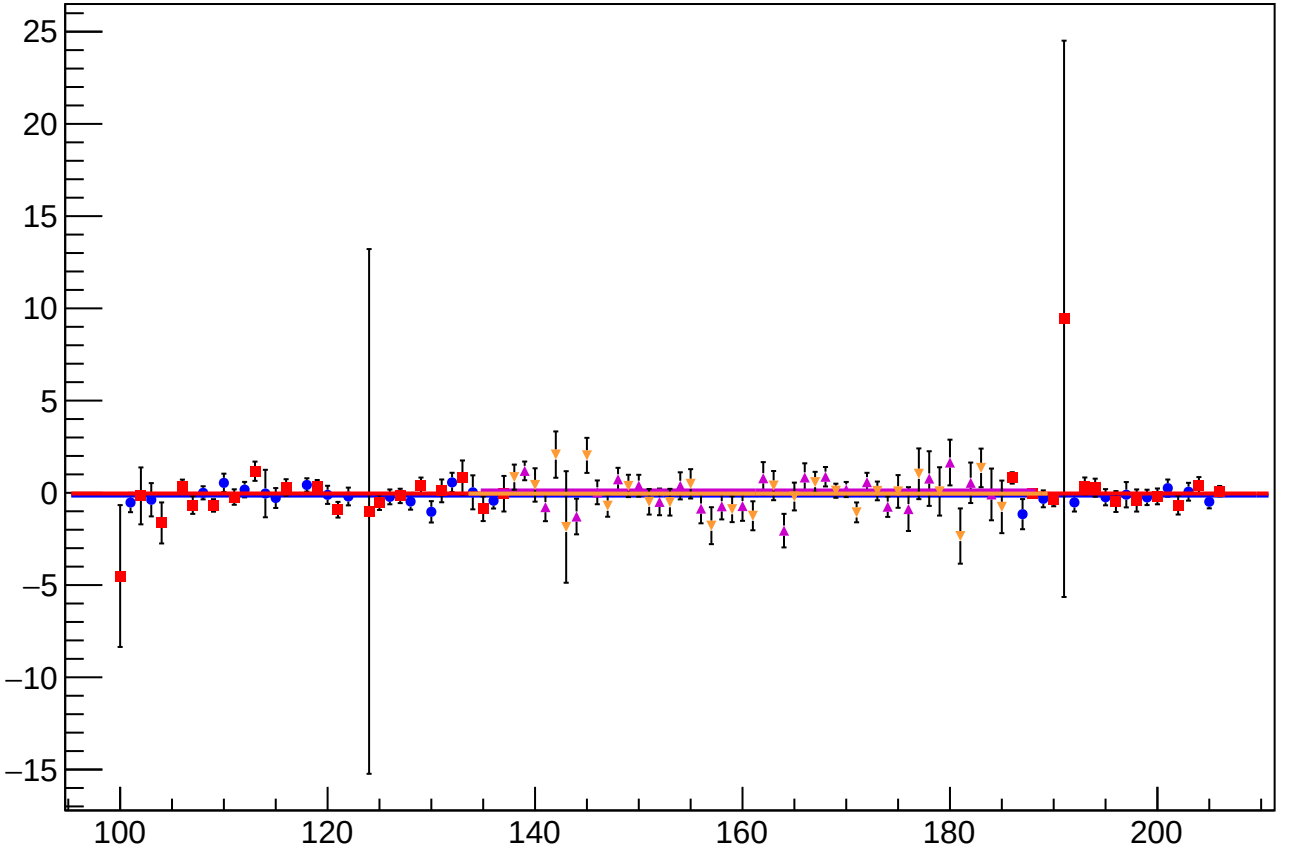
Left In: 0.000+/-0.000 χ^2/NDF:2660632.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8444946.5/49

All: 0.000+/-0.000 χ^2/NDF: 18671871.4/103

- sign 0.000+/-0.000 χ^2/NDF: 10218055.7/53

asym_at2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.035+/-0.078 χ^2/NDF: 39.7/30

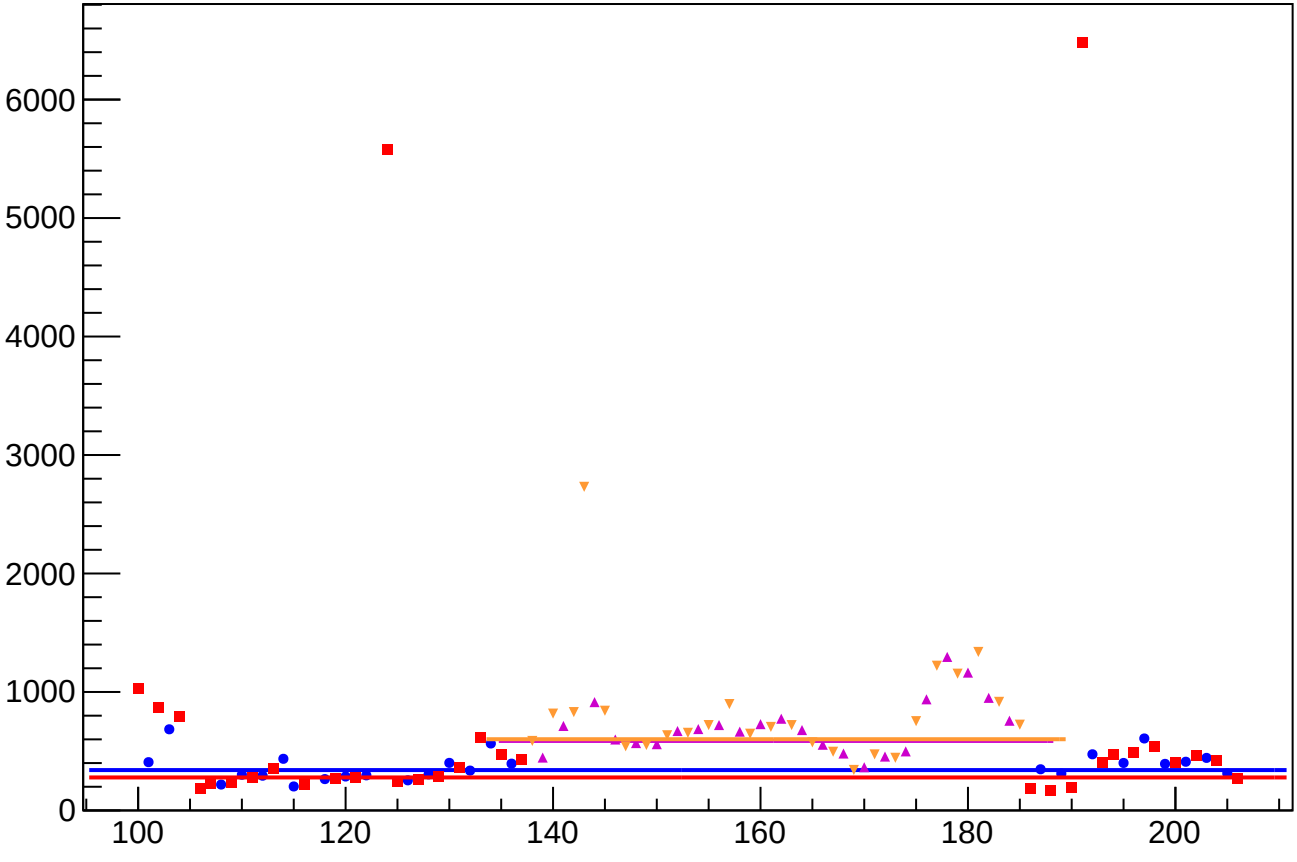
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.117+/-0.081 χ^2/NDF: 45.7/49

All: -0.048+/-0.052 χ^2/NDF: 116.7/103

- sign 0.001+/-0.069 χ^2/NDF: 69.7/53

asym_at2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 340.825+/-0.068 χ^2/NDF: 1824509.6/24

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

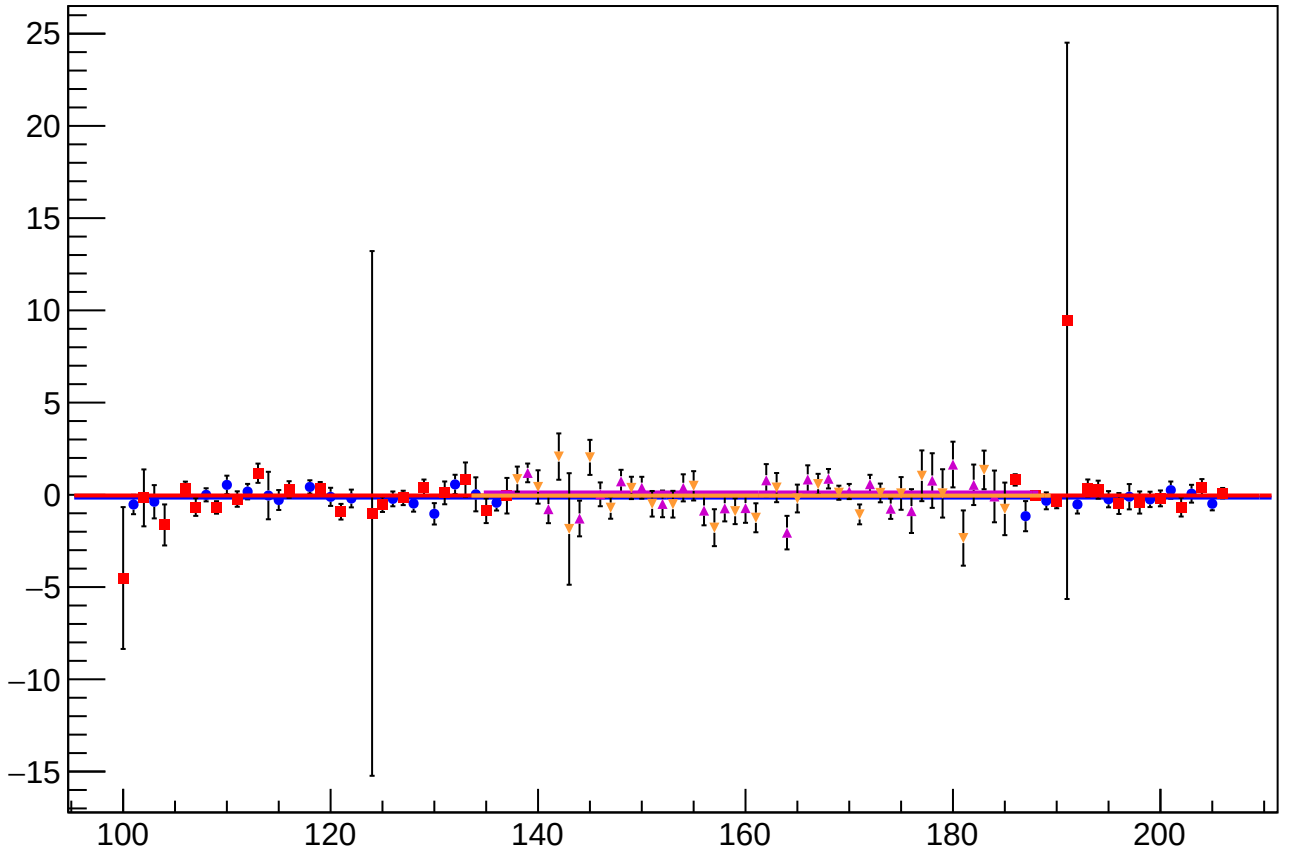
Right Out: 278.605+/-0.055 χ^2/NDF: 4982287.6/30

Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 418.833+/-0.057 χ^2/NDF: 10649628.3/49

All: 377.712+/-0.037 χ^2/NDF: 26449343.3/10

- sign 347.840+/-0.049 χ^2/NDF: 14904110.8/53



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.035+/-0.078 χ^2/NDF: 39.7/30

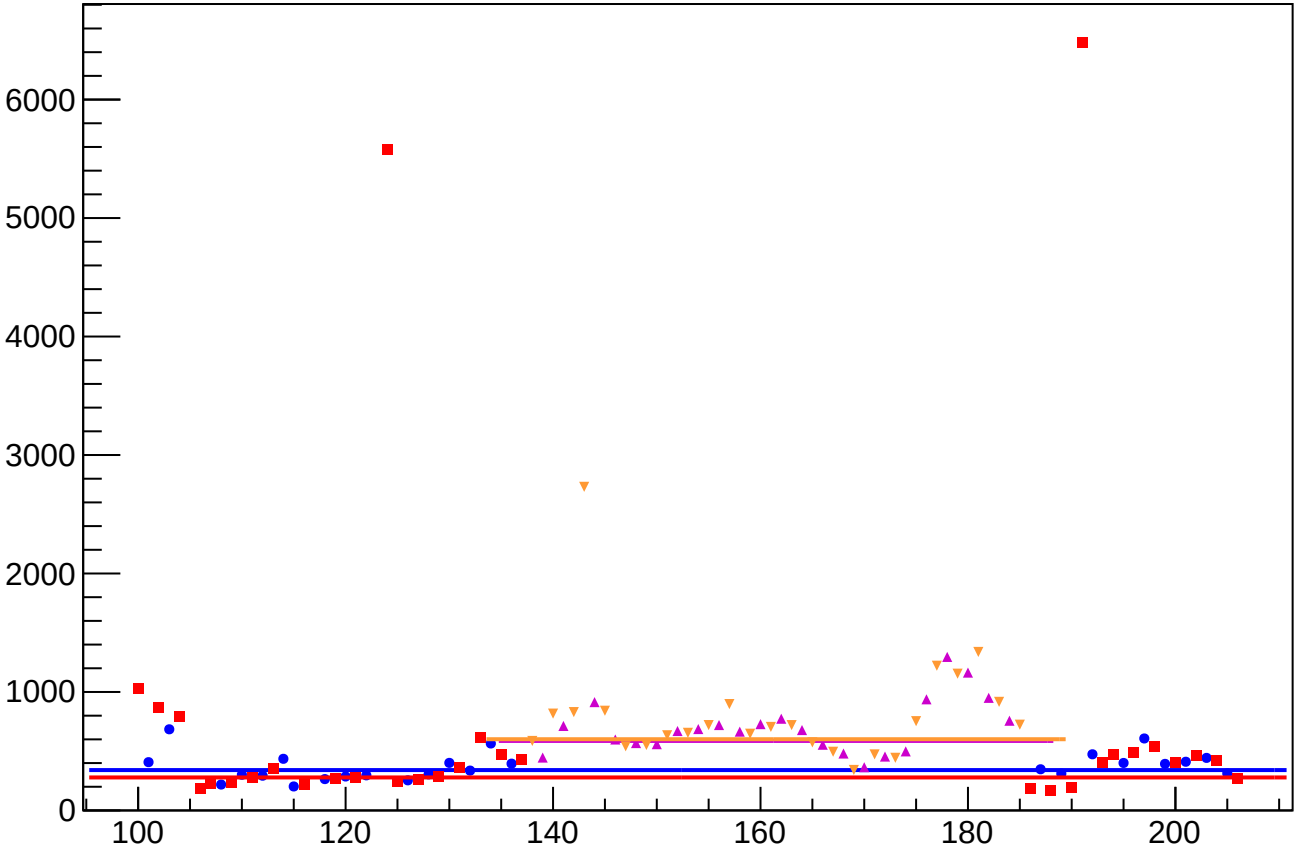
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.117+/-0.081 χ^2/NDF: 45.7/49

All: -0.048+/-0.052 χ^2/NDF: 116.7/103

- sign 0.001+/-0.069 χ^2/NDF: 69.7/53

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 340.825+/-0.068 χ^2/NDF: 1824509.6/24

Left Out: 601.214+/-0.104 χ^2/NDF:4460456.7/24

Right Out: 278.605+/-0.055 χ^2/NDF: 4982287.6/30

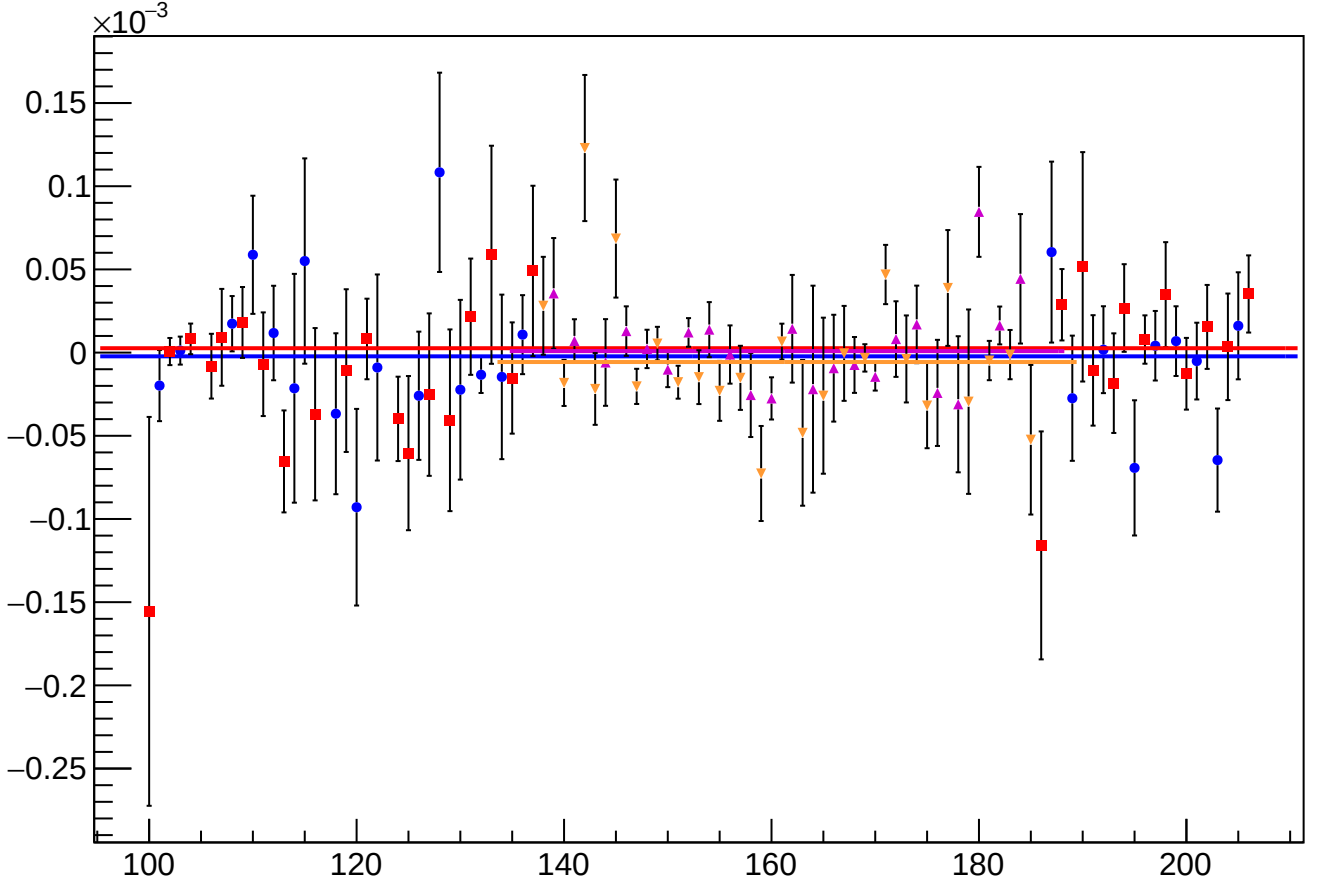
Left In: 586.817+/-0.103 χ^2/NDF:2934488.2/22

+ sign 418.833+/-0.057 χ^2/NDF: 10649628.3/49

All: 377.712+/-0.037 χ^2/NDF: 26449343.3/10

- sign 347.840+/-0.049 χ^2/NDF: 14904110.8/53

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 23.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 27.0/30

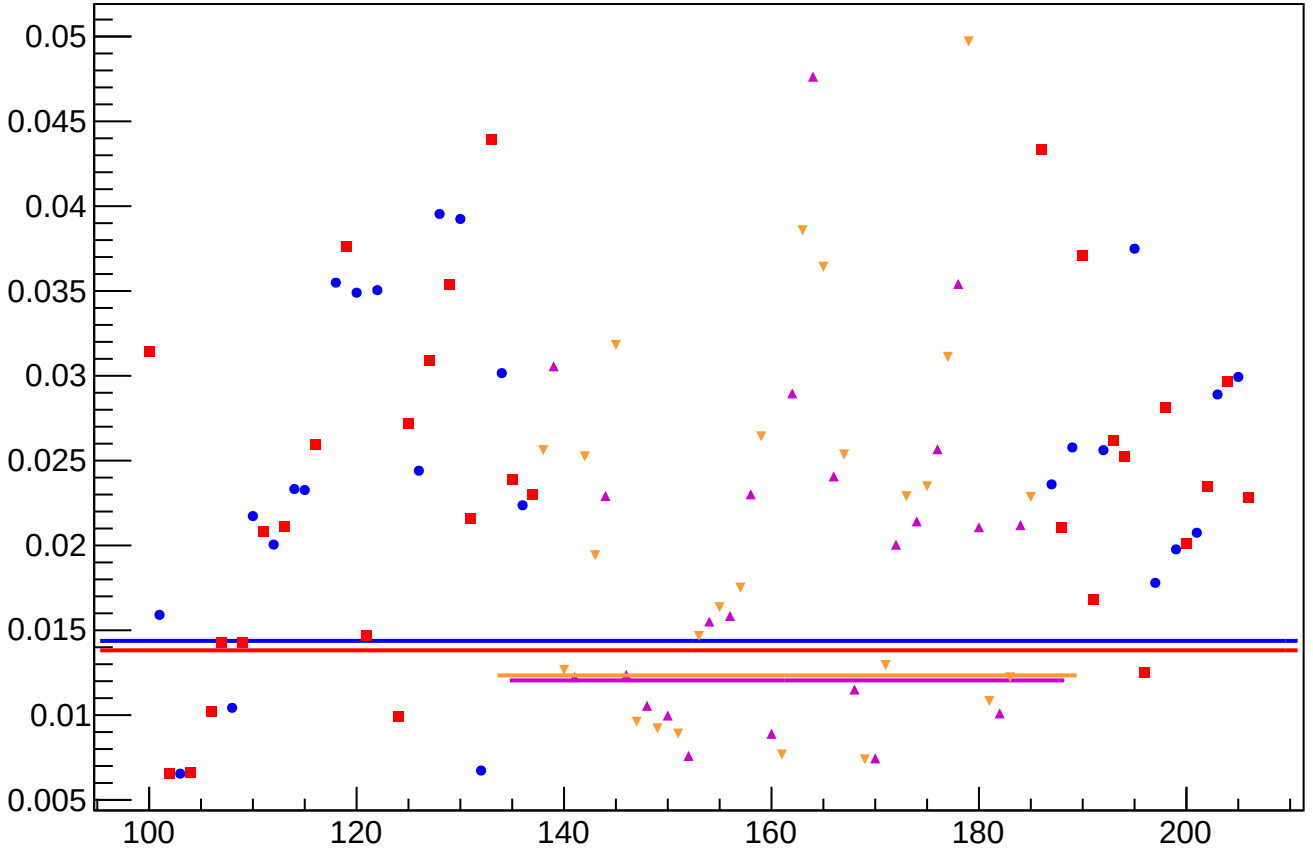
Left In: 0.000+/-0.000 χ^2/NDF:30.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.7/49

All: -0.000+/-0.000 χ^2/NDF: 126.8/103

- sign 0.000+/-0.000 χ^2/NDF: 57.3/53

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 7815674.3/24

Left Out: 0.012+/-0.000 χ^2/NDF:7839123.8/24

Right Out: 0.014+/-0.000 χ^2/NDF: 8507051.0/30

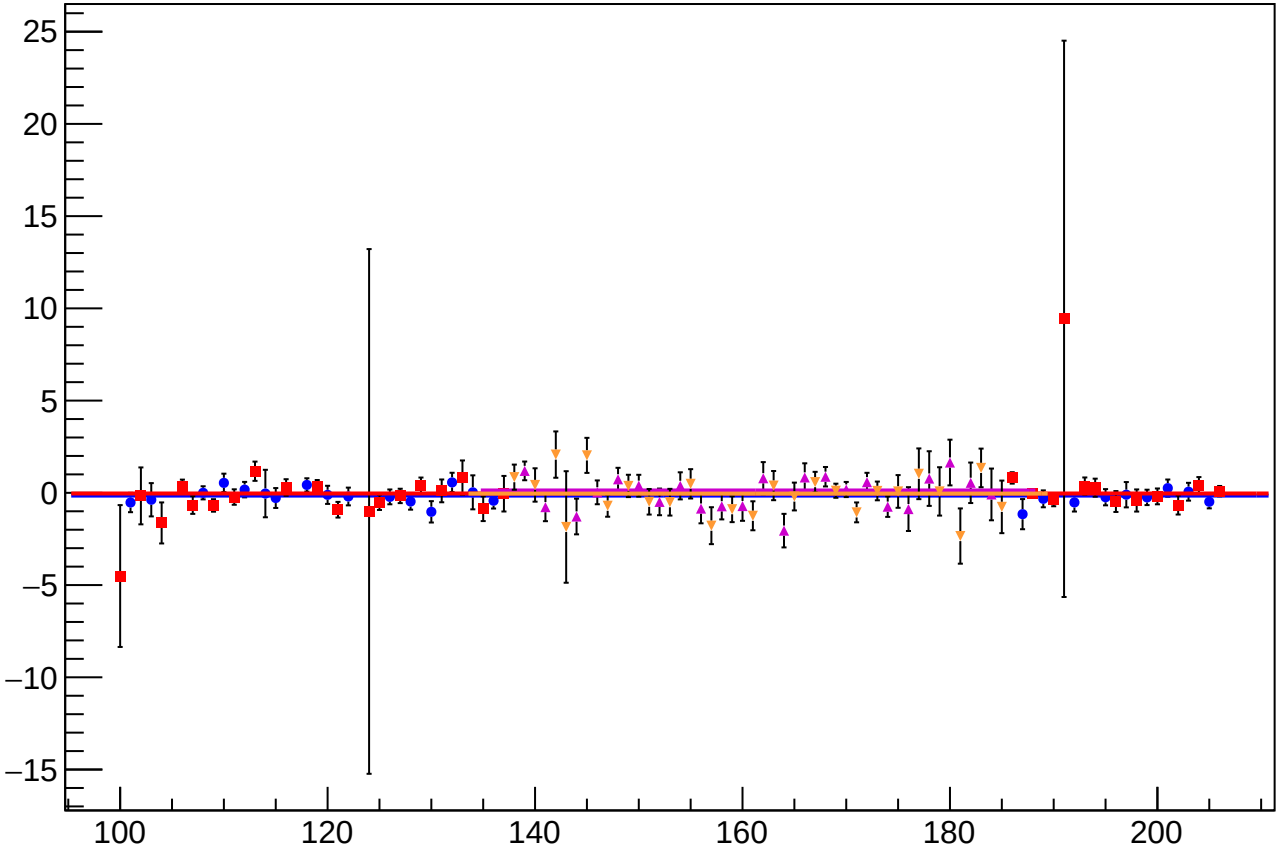
Left In: 0.012+/-0.000 χ^2/NDF:6379401.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 15915002.9/49

All: 0.013+/-0.000 χ^2/NDF: 31043339.2/103

- sign 0.013+/-0.000 χ^2/NDF: 15117884.4/53

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

Right Out: -0.035+/-0.078 χ^2/NDF: 39.7/30

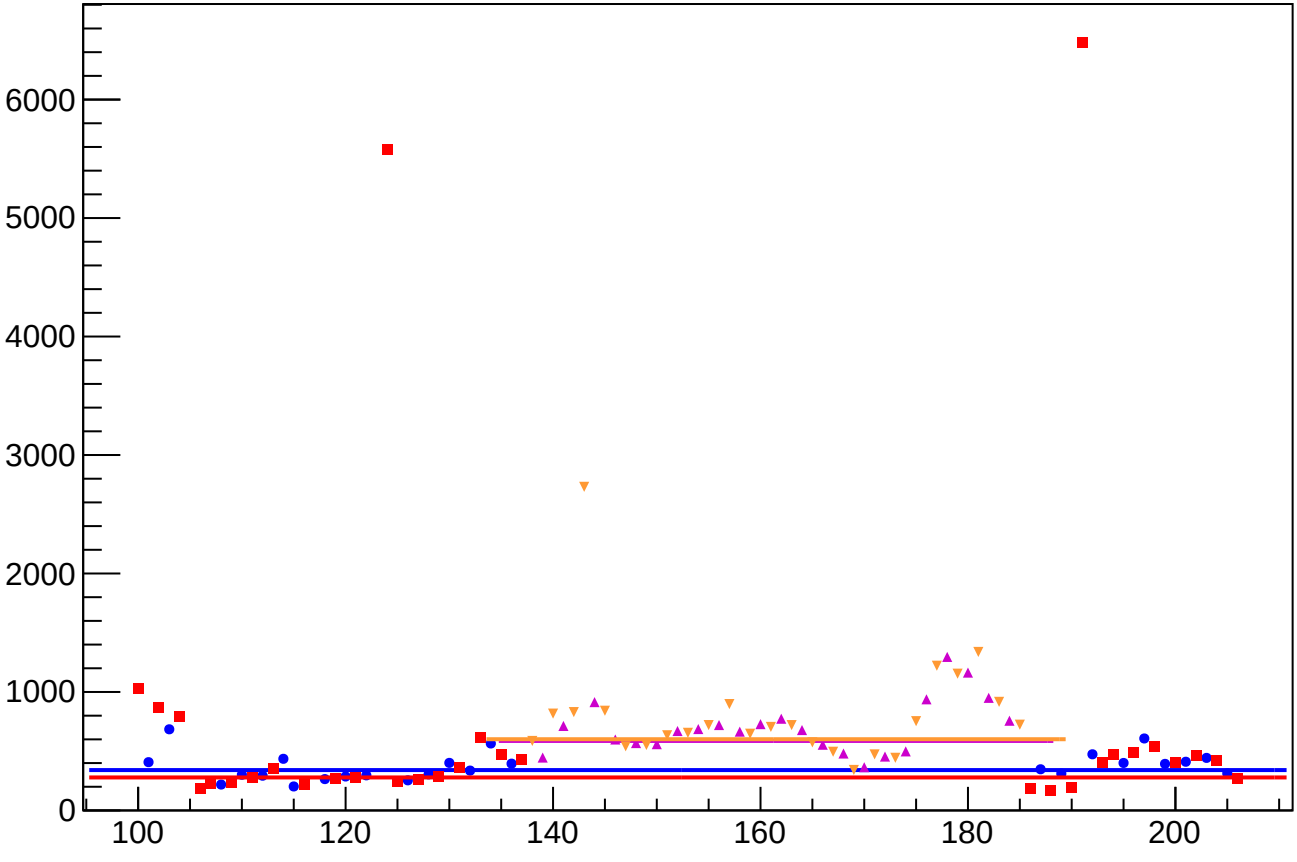
Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.117+/-0.081 χ^2/NDF: 45.7/49

All: -0.048+/-0.052 χ^2/NDF: 116.7/103

- sign 0.001+/-0.069 χ^2/NDF: 69.7/53

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 340.824+/-0.068 χ^2/NDF: 1824507.7/24

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

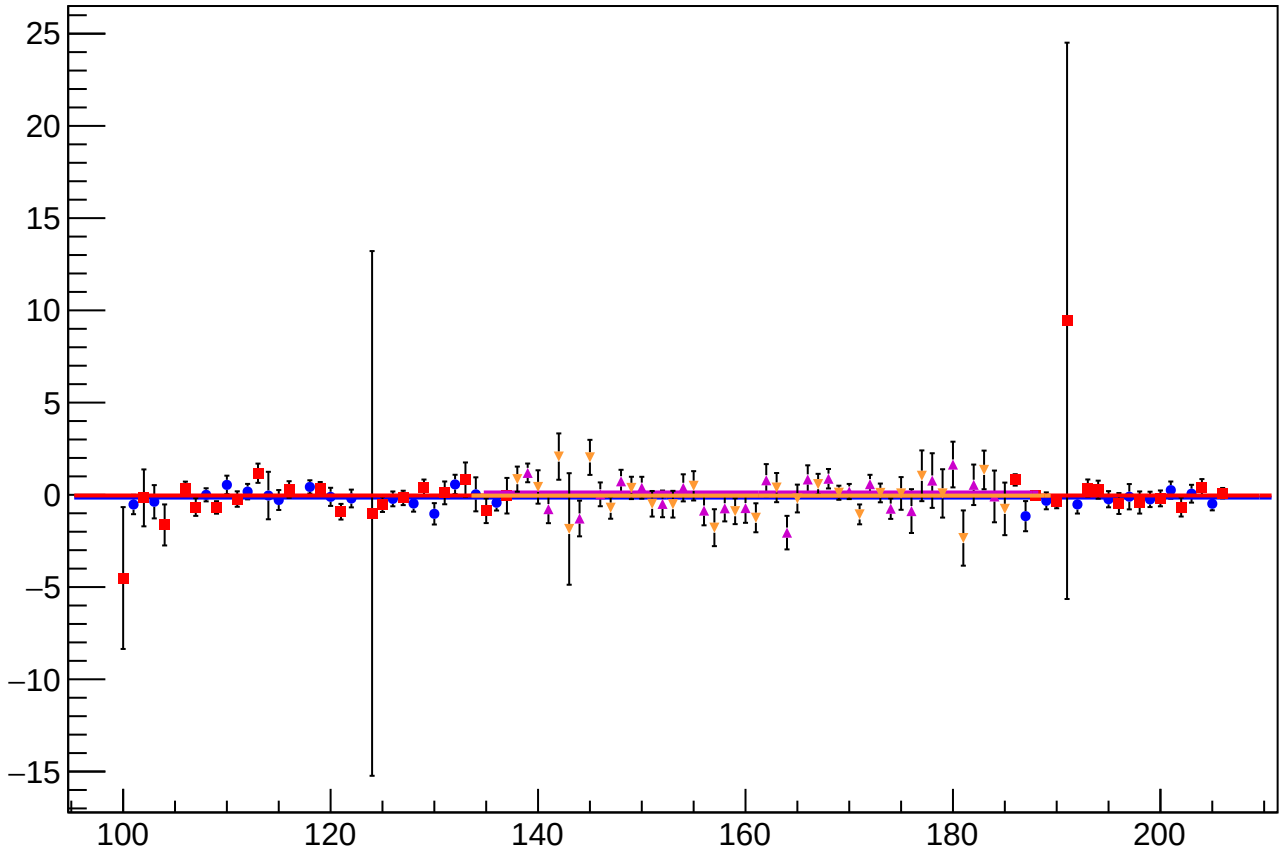
Right Out: 278.599+/-0.055 χ^2/NDF: 4982614.0/30

Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 418.831+/-0.057 χ^2/NDF: 10649872.5/49

All: 377.707+/-0.037 χ^2/NDF: 26450545.4/10

- sign 347.833+/-0.049 χ^2/NDF: 14904938.9/53



Right In: -0.149+/-0.096 χ^2/NDF: 15.2/24

Left Out: -0.041+/-0.148 χ^2/NDF:30.1/24

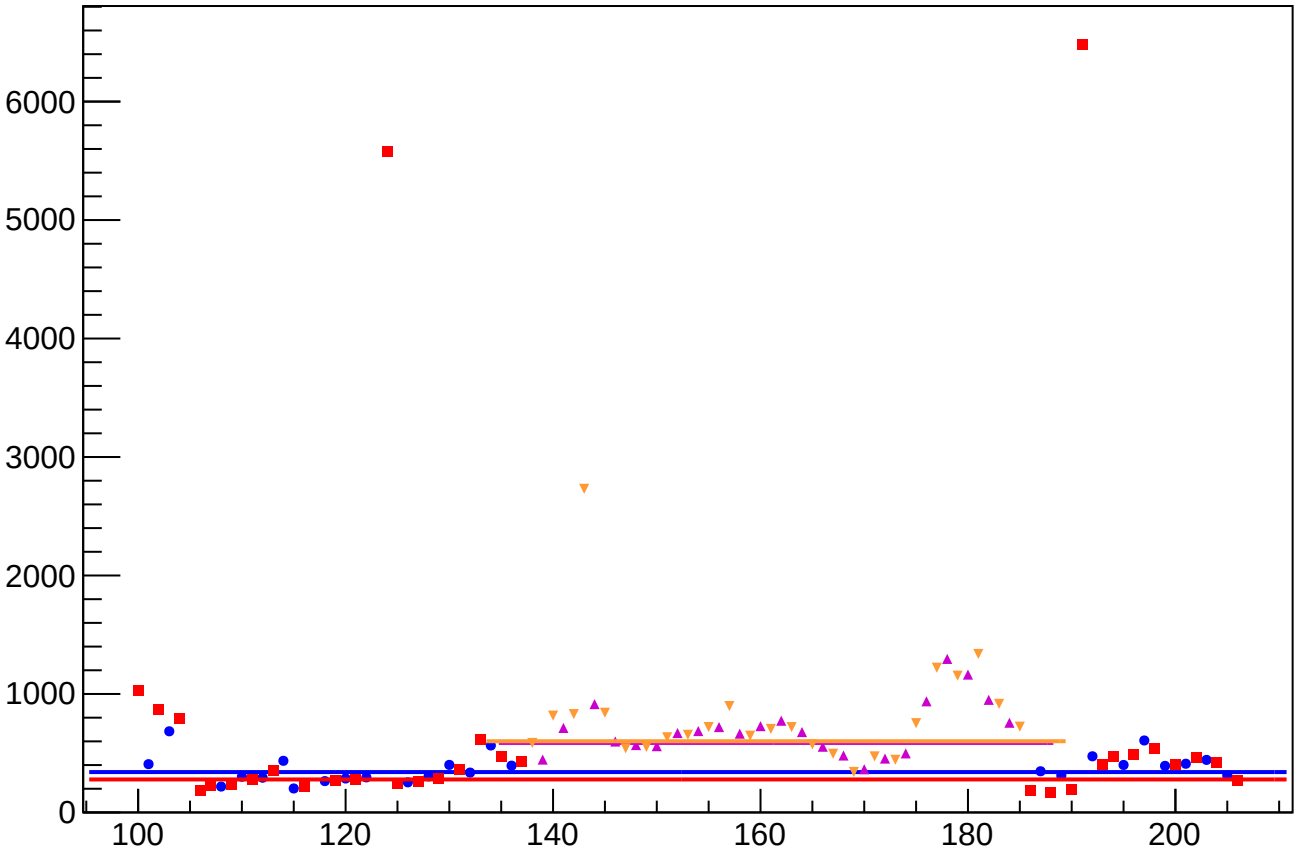
Right Out: -0.035+/-0.078 χ^2/NDF: 39.7/30

Left In: 0.128+/-0.145 χ^2/NDF:29.0/22

+ sign -0.117+/-0.081 χ^2/NDF: 45.7/49

All: -0.048+/-0.052 χ^2/NDF: 116.7/103

- sign 0.001+/-0.069 χ^2/NDF: 69.7/53



Right In: 340.824+/-0.068 χ^2/NDF: 1824507.7/24

Left Out: 601.214+/-0.104 χ^2/NDF:4460662.1/24

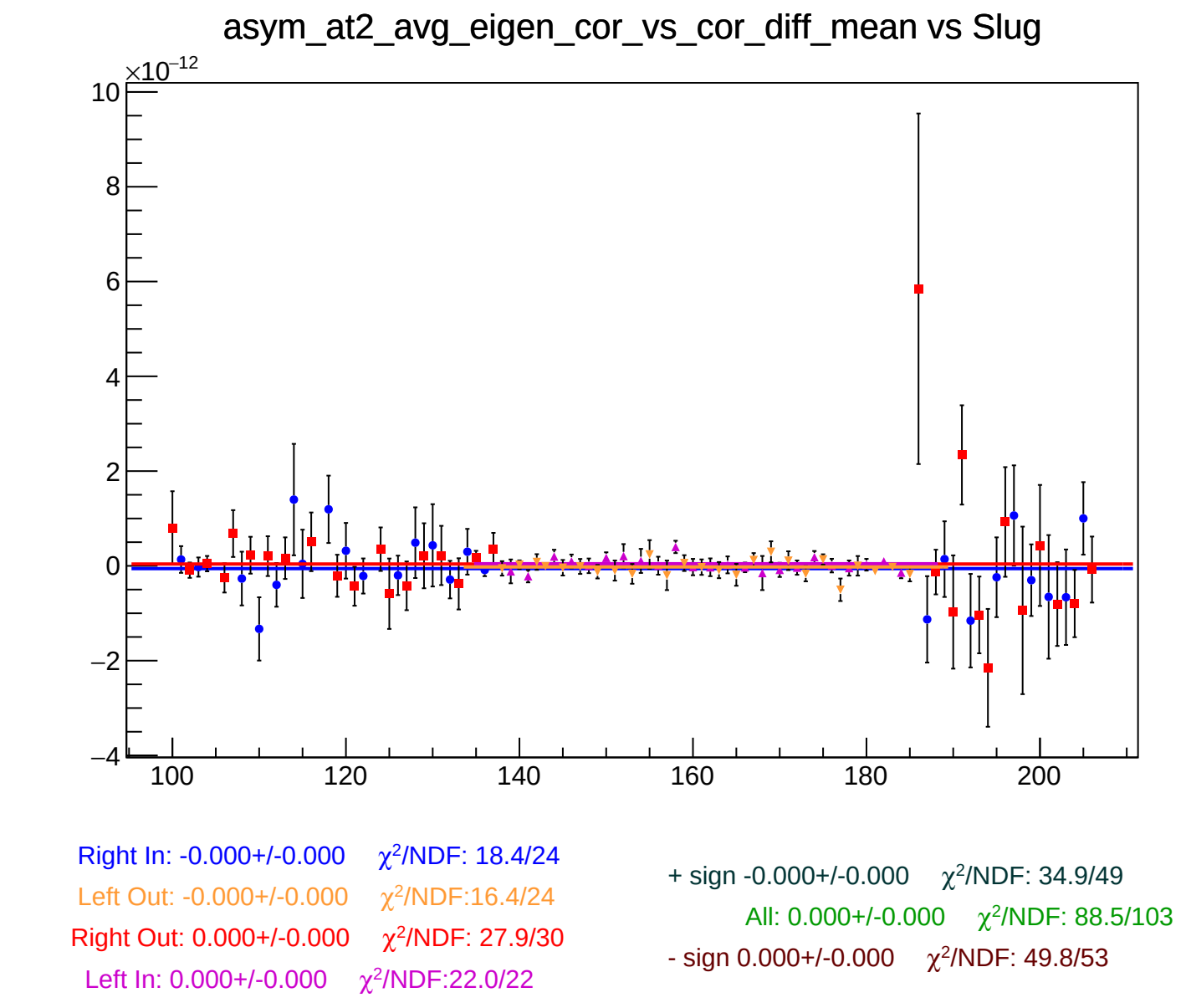
Right Out: 278.599+/-0.055 χ^2/NDF: 4982614.0/30

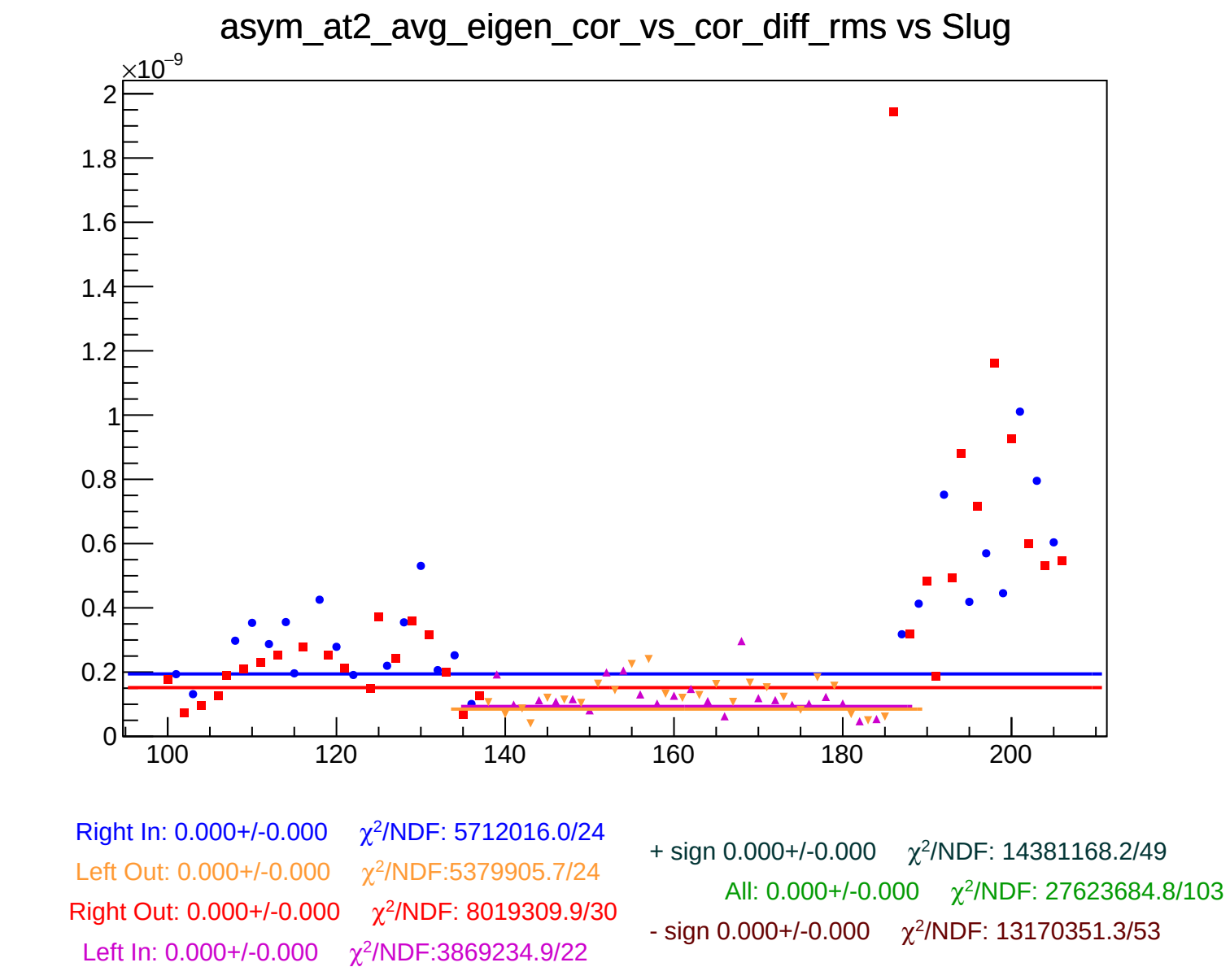
Left In: 586.820+/-0.103 χ^2/NDF:2934613.3/22

+ sign 418.831+/-0.057 χ^2/NDF: 10649872.5/49

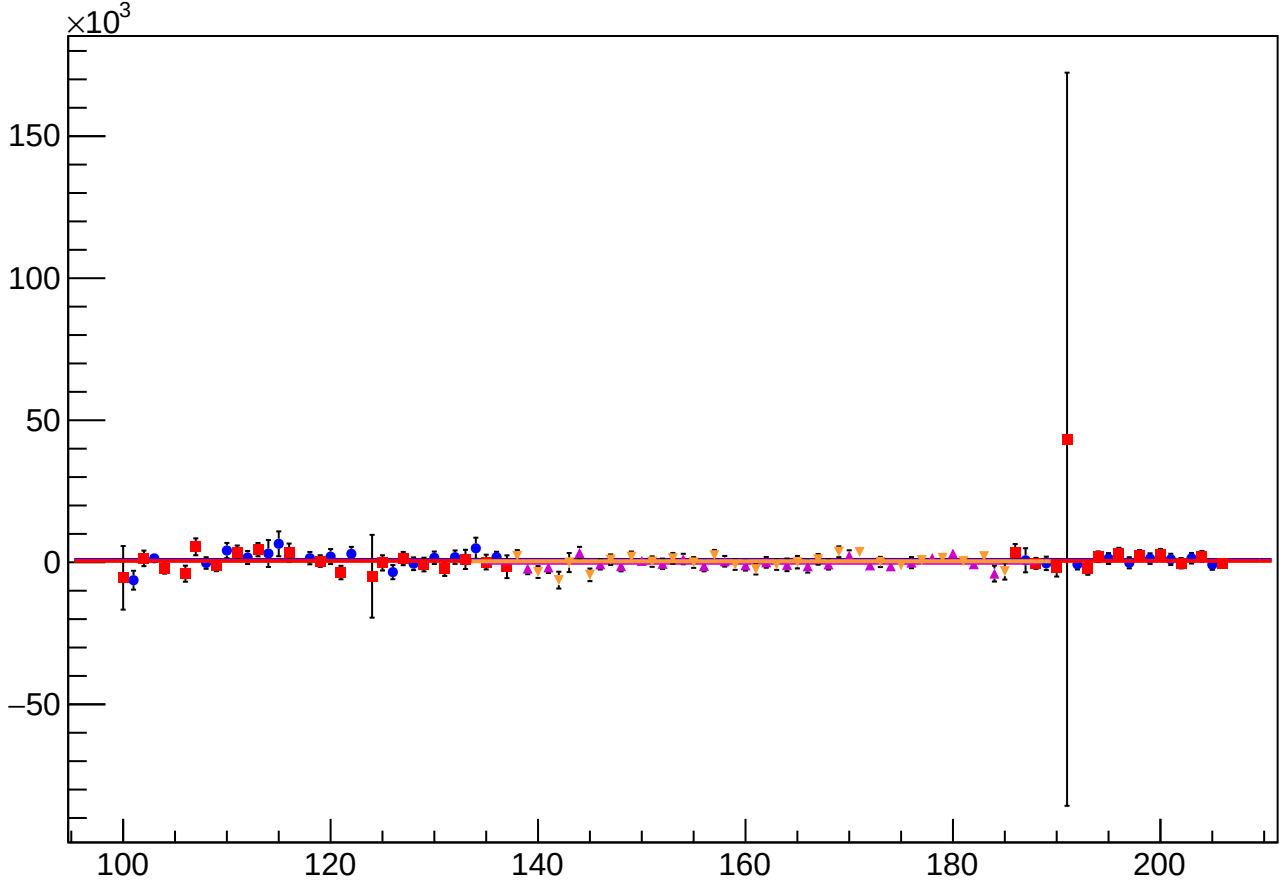
All: 377.707+/-0.037 χ^2/NDF: 26450545.4/10

- sign 347.833+/-0.049 χ^2/NDF: 14904938.9/53


asym_at2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
10
8
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 18.4/24
Left Out: -0.000+/-0.000 χ²/NDF:16.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 27.9/30
Left In: 0.000+/-0.000 χ²/NDF:22.0/22
+ sign -0.000+/-0.000 χ²/NDF: 34.9/49
All: 0.000+/-0.000 χ²/NDF: 88.5/103
- sign 0.000+/-0.000 χ²/NDF: 49.8/53


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
Right In: 0.000+/-0.000 χ²/NDF: 5712016.0/24
Left Out: 0.000+/-0.000 χ²/NDF:5379905.7/24
Right Out: 0.000+/-0.000 χ²/NDF: 8019309.9/30
Left In: 0.000+/-0.000 χ²/NDF:3869234.9/22
+ sign 0.000+/-0.000 χ²/NDF: 14381168.2/49
All: 0.000+/-0.000 χ²/NDF: 27623684.8/103
- sign 0.000+/-0.000 χ²/NDF: 13170351.3/53

reg_asym_at2_dd_mean vs Slug



Right In: 817.687+/-451.837 χ^2/NDF: 17.1/24

Left Out: 361.645+/-388.131 χ^2/NDF:29.6/24

Right Out: 511.673+/-423.157 χ^2/NDF: 28.9/30

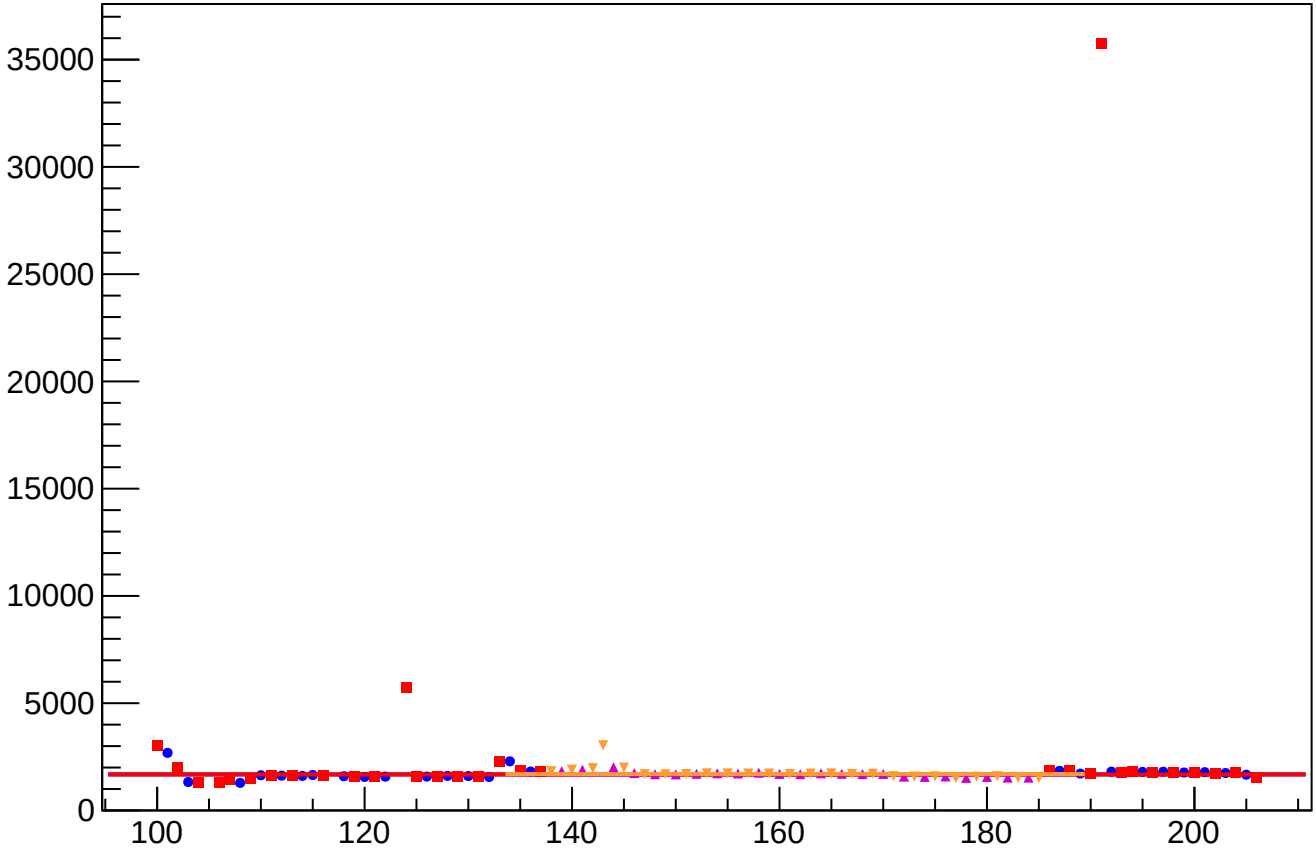
Left In: -157.028+/-394.257 χ^2/NDF:16.0/22

+ sign 555.276+/-294.420 χ^2/NDF: 47.2/49

All: 350.387+/-206.046 χ^2/NDF: 94.5/103

- sign 153.711+/-288.458 χ^2/NDF: 46.3/53

reg_asym_at2_dd_rms vs Slug



Right In: 1681.164+/-0.319 χ^2/NDF: 469832.6/24

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

Right Out: 1677.814+/-0.299 χ^2/NDF: 694077.2/30

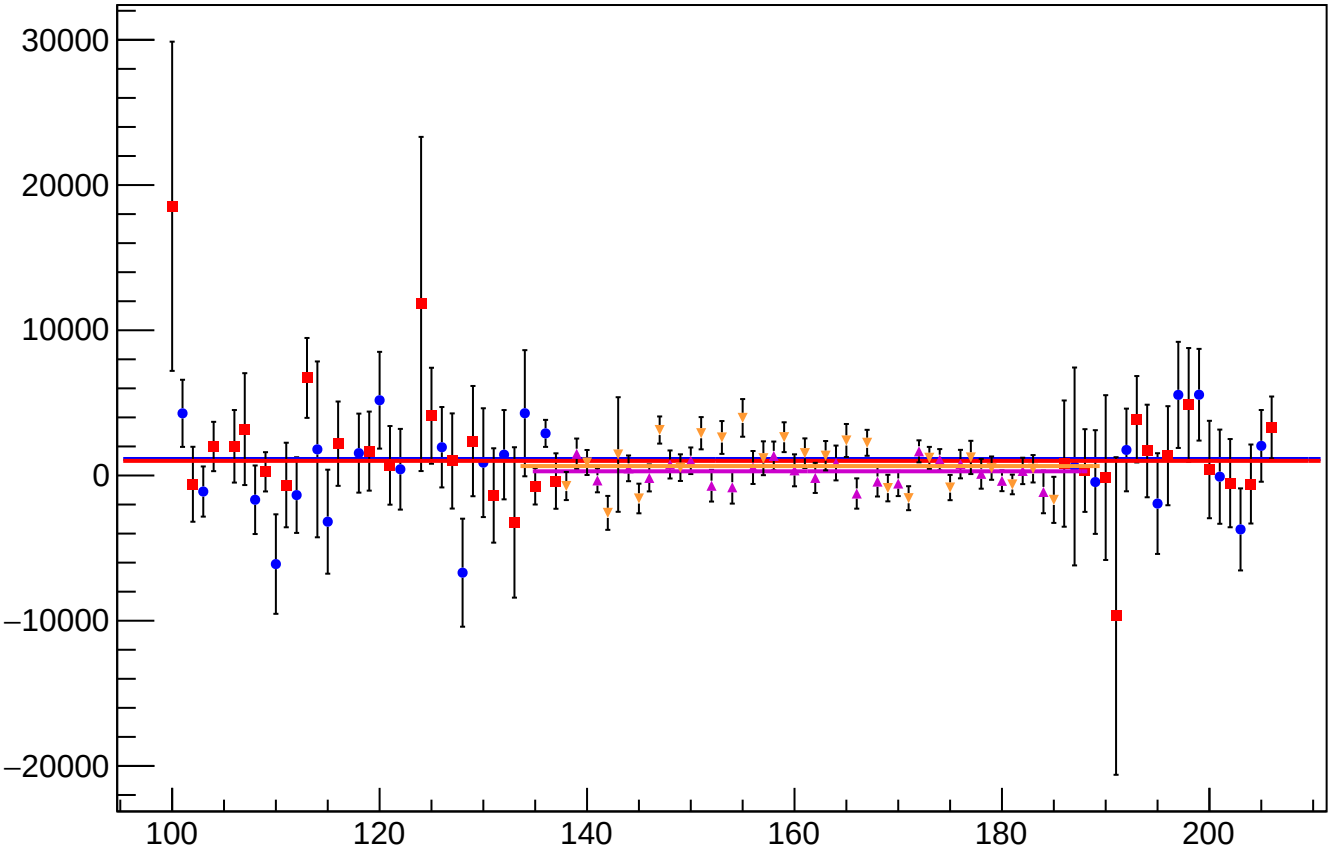
Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1690.561+/-0.208 χ^2/NDF: 966733.9/49

All: 1685.904+/-0.146 χ^2/NDF: 1827421.1/10

- sign 1681.434+/-0.204 χ^2/NDF: 859706.4/53

asym_at2_dd_reg_correction_mean vs Slug



Right In: 1136.812+/-509.758 χ^2/NDF: 29.7/24

Left Out: 649.165+/-195.671 χ^2/NDF:65.5/24

Right Out: 1007.192+/-479.557 χ^2/NDF: 19.1/30

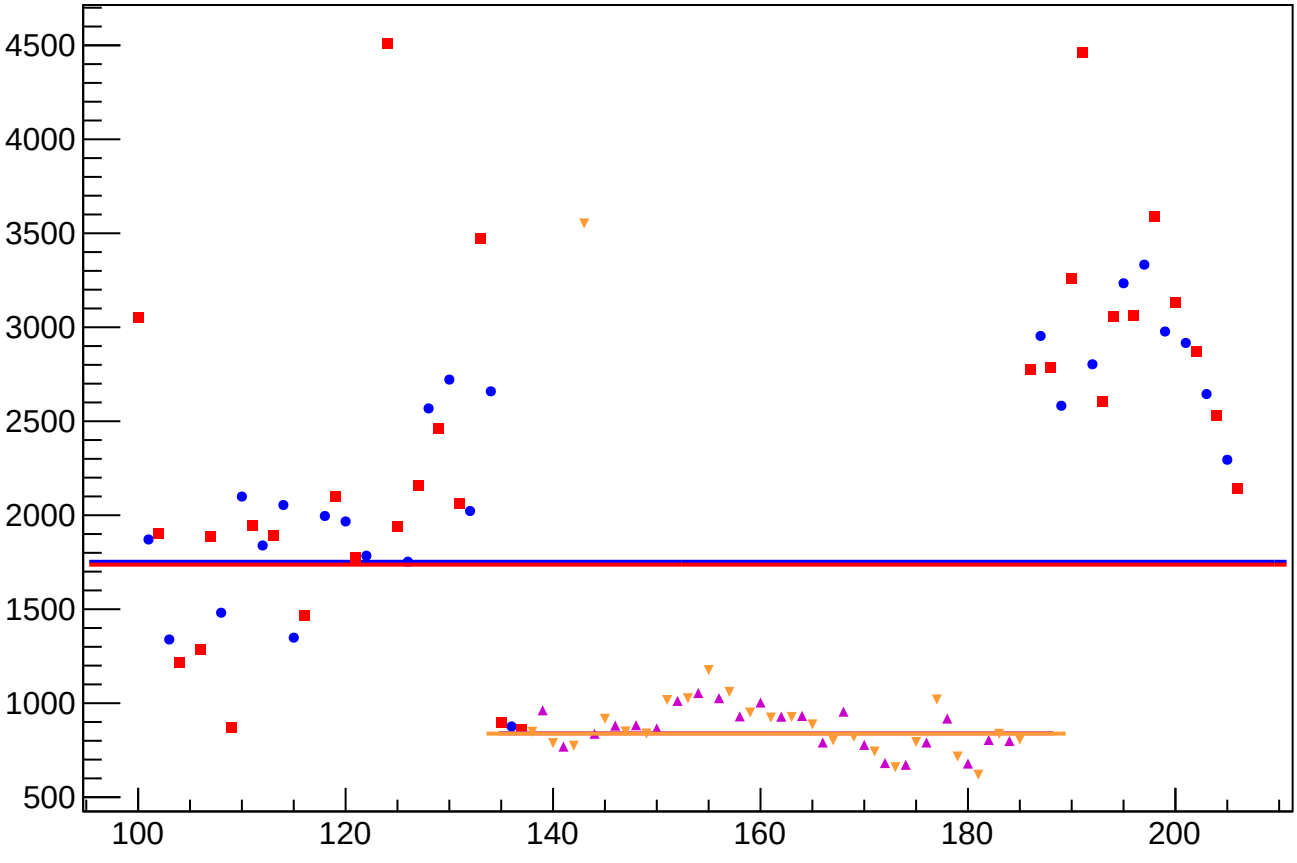
Left In: 288.616+/-198.494 χ^2/NDF:16.6/22

+ sign 711.788+/-182.675 χ^2/NDF: 96.0/49

All: 553.387+/-129.428 χ^2/NDF: 135.1/103

- sign 393.718+/-183.404 χ^2/NDF: 37.6/53

asym_at2_dd_reg_correction_rms vs Slug



Right In: 1752.300+/-0.360 χ^2/NDF: 4367482.4/24

Left Out: 838.243+/-0.138 χ^2/NDF:1800245.5/24

Right Out: 1737.085+/-0.339 χ^2/NDF: 5755206.8/30

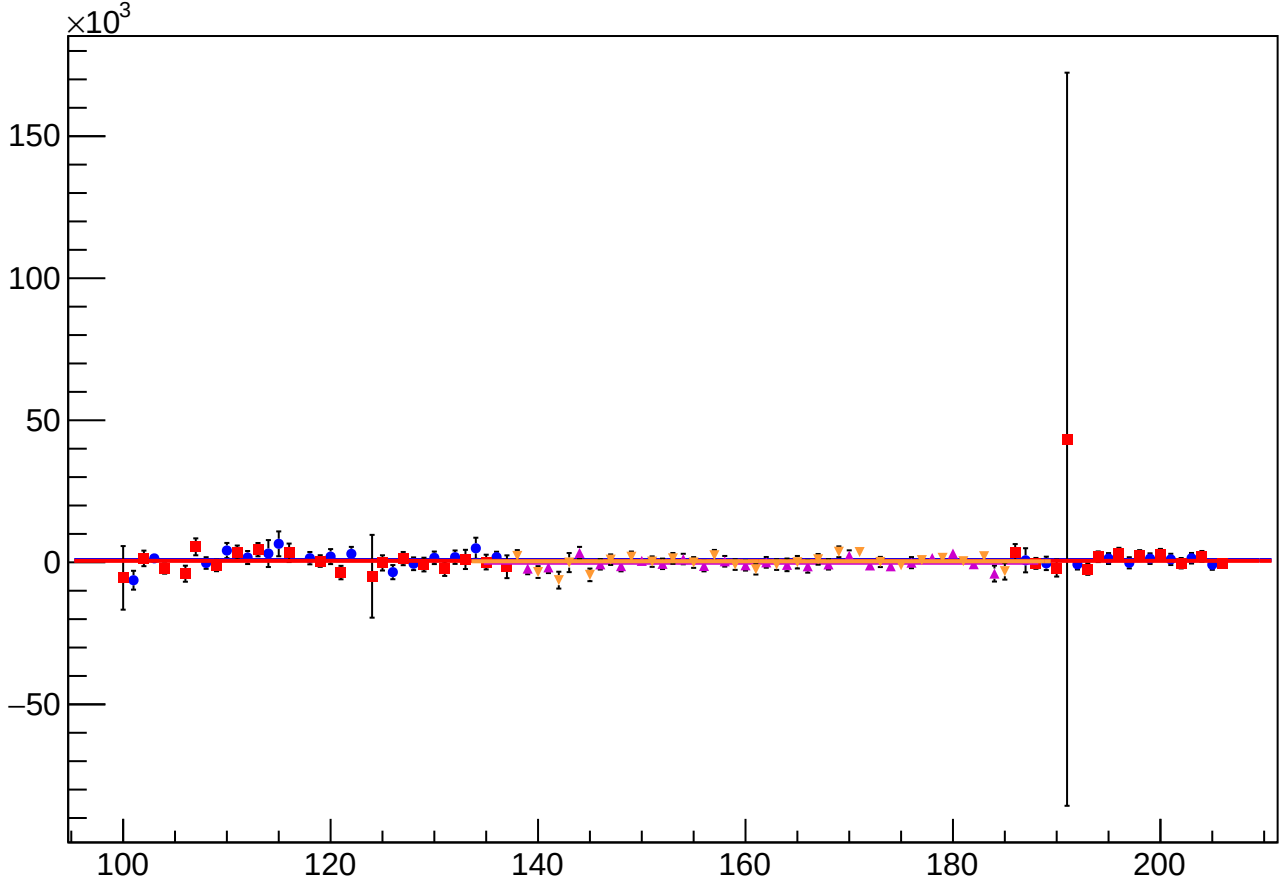
Left In: 839.976+/-0.140 χ^2/NDF:669341.7/22

+ sign 955.625+/-0.129 χ^2/NDF: 11772485.7/49

All: 963.377+/-0.092 χ^2/NDF: 24179616.2/10

- sign 971.191+/-0.130 χ^2/NDF: 12399898.9/53

cor_asym_at2_dd_mean vs Slug



Right In: 817.724+/-451.837 χ^2/NDF: 17.1/24

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 511.813+/-423.157 χ^2/NDF: 28.9/30

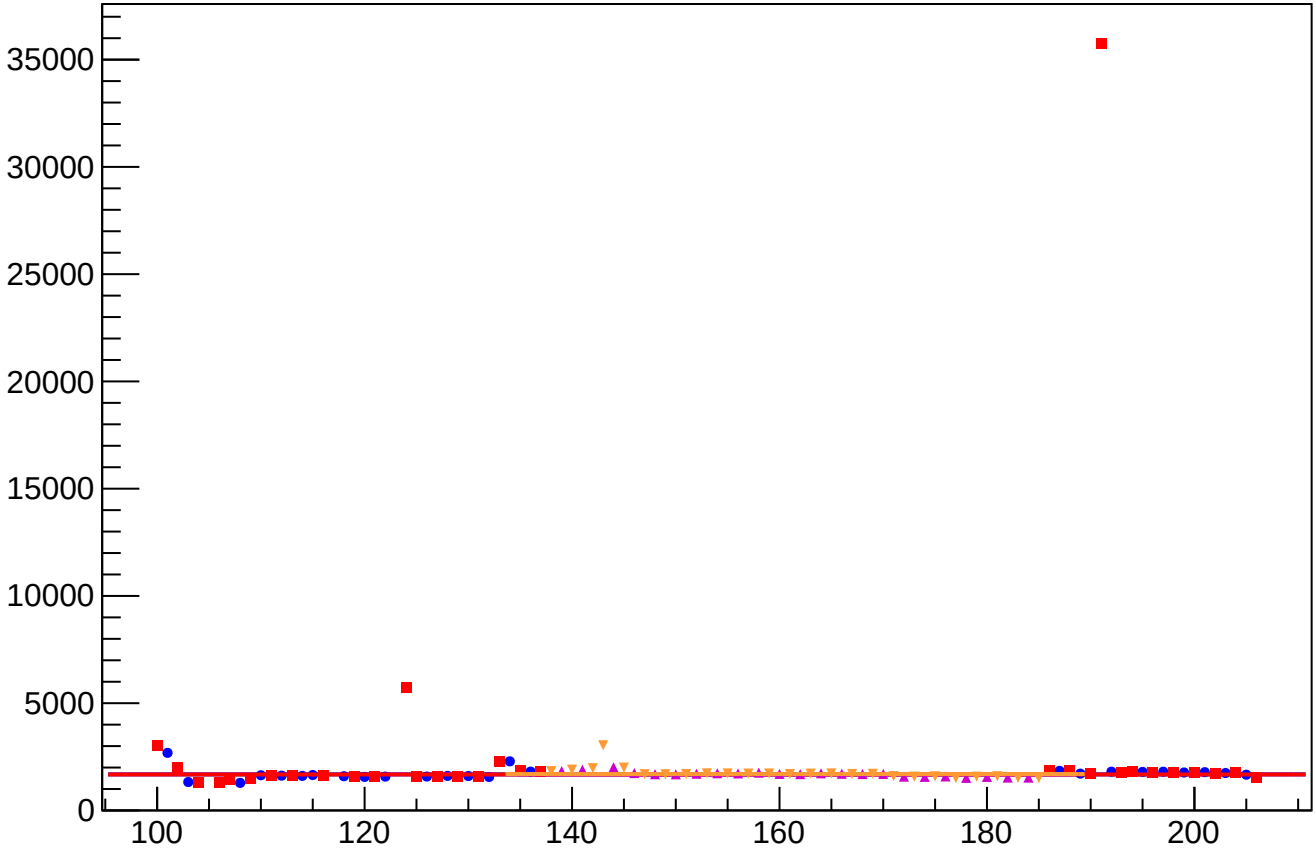
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 555.243+/-294.420 χ^2/NDF: 47.3/49

All: 350.429+/-206.046 χ^2/NDF: 94.5/103

- sign 153.826+/-288.458 χ^2/NDF: 46.3/53

cor_asym_at2_dd_rms vs Slug



Right In: 1681.164+/-0.319 χ^2/NDF: 469833.0/24

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

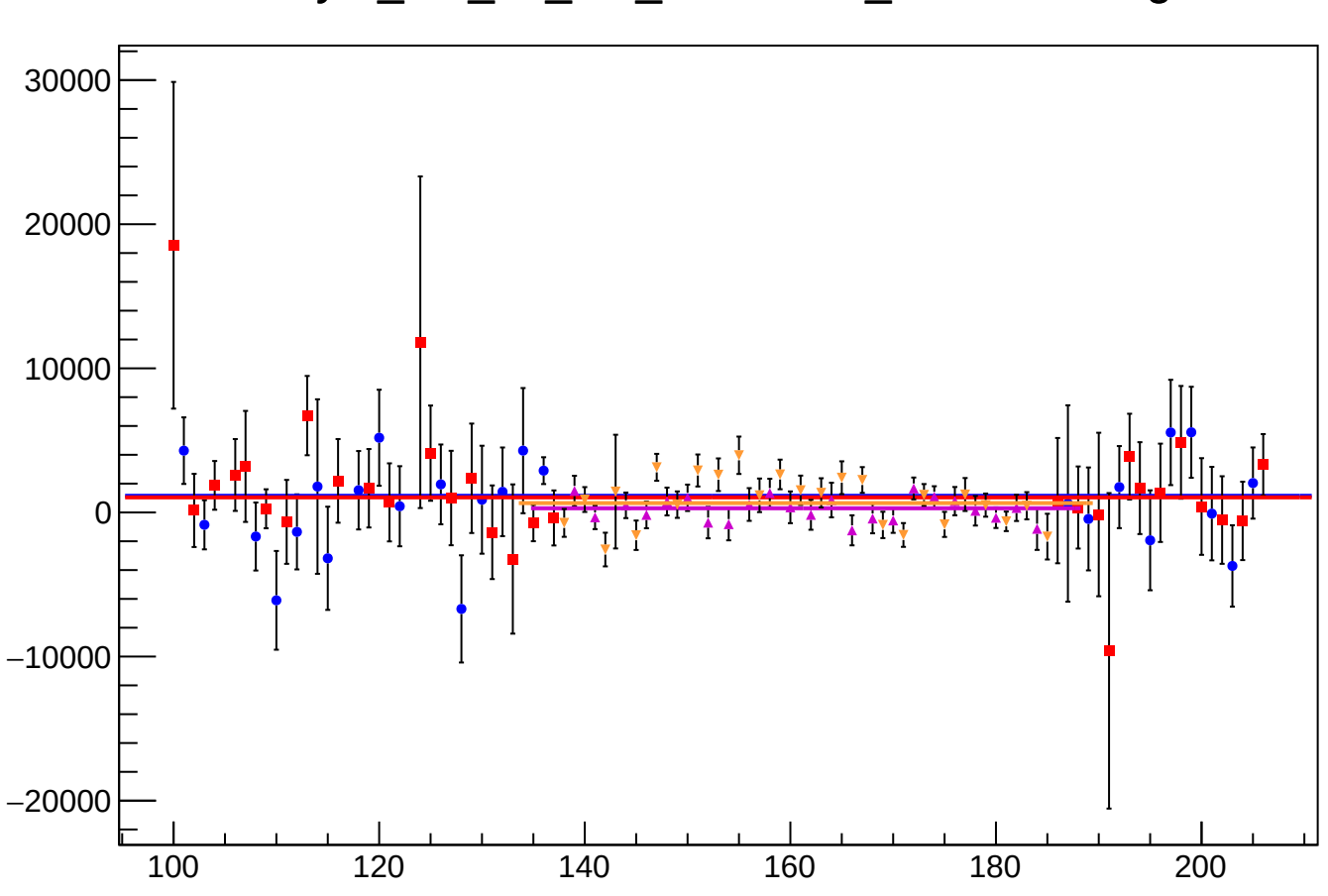
Right Out: 1677.814+/-0.299 χ^2/NDF: 694077.4/30

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1690.561+/-0.208 χ^2/NDF: 966734.3/49

All: 1685.904+/-0.146 χ^2/NDF: 1827421.5/10

- sign 1681.434+/-0.204 χ^2/NDF: 859706.5/53



Right In: 1154.657+/-509.197 χ^2/NDF: 29.4/24

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1045.244+/-479.066 χ^2/NDF: 19.0/30

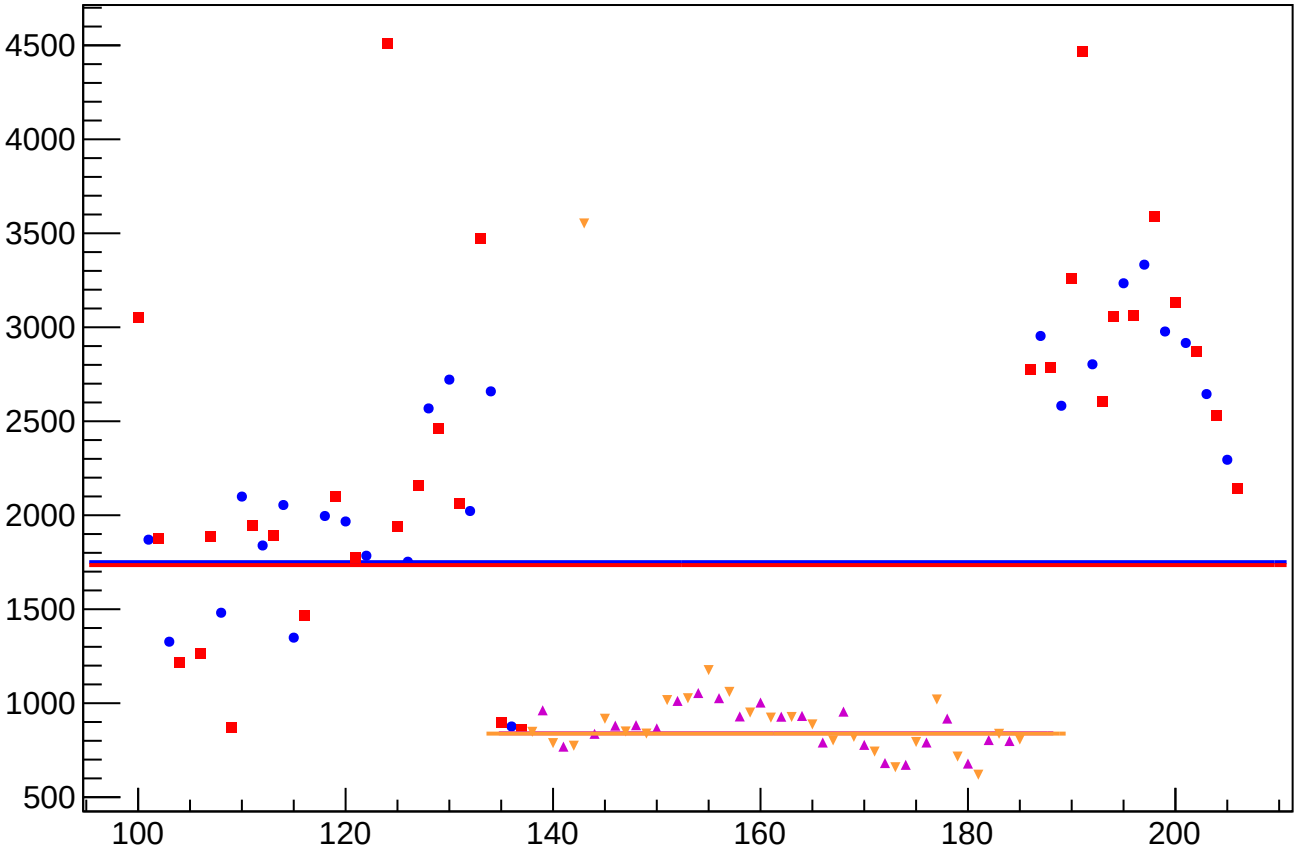
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

\+ sign 714.206+/-182.651 χ^2/NDF: 95.7/49

All: 557.460+/-129.410 χ^2/NDF: 134.9/103

\- sign 399.466+/-183.377 χ^2/NDF: 37.7/53

asym_at2_dd_cor_correction_rms vs Slug



Right In: 1750.326+/-0.360 χ^2/NDF: 4376920.2/24

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1734.839+/-0.339 χ^2/NDF: 5762853.0/30

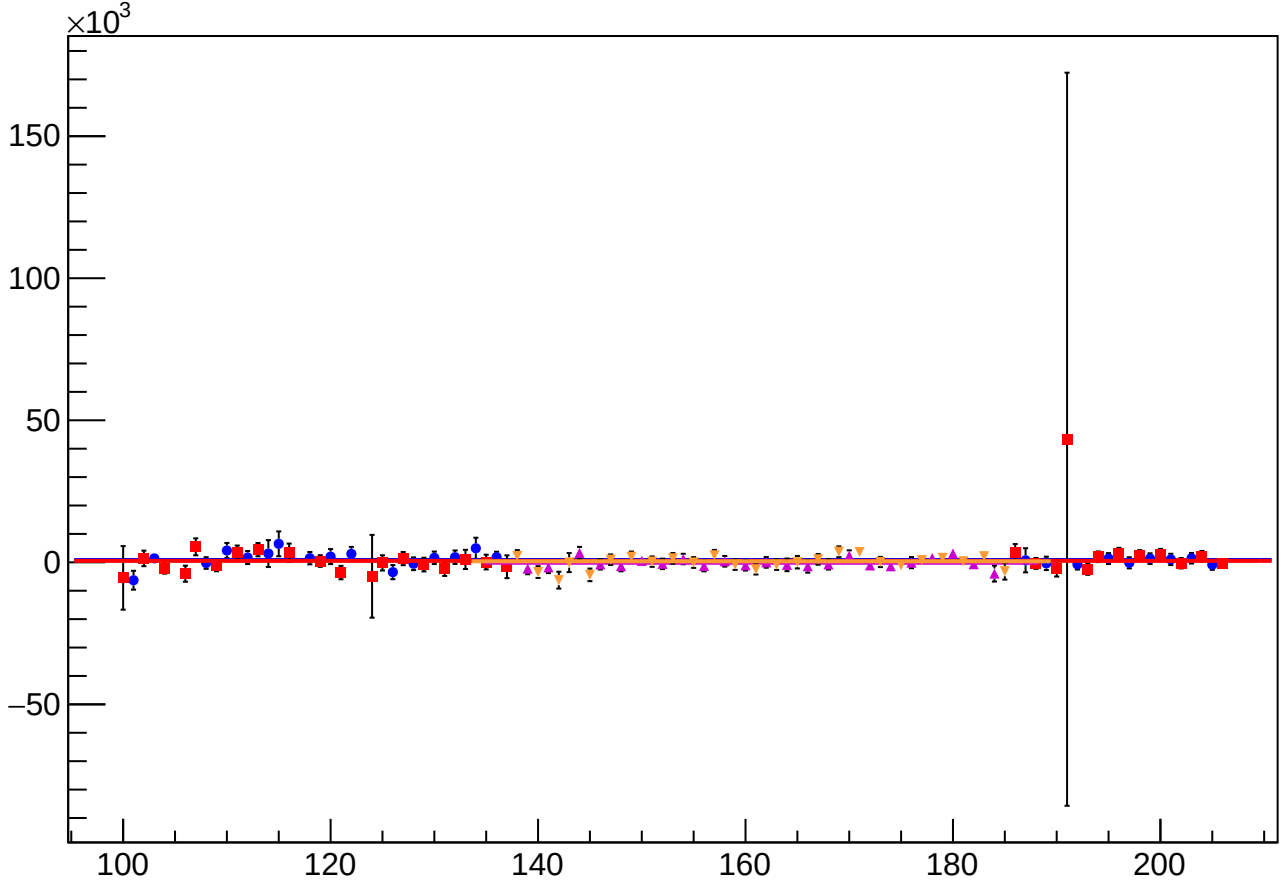
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 955.609+/-0.129 χ^2/NDF: 11768196.6/49

All: 963.321+/-0.092 χ^2/NDF: 24163398.2/10

- sign 971.094+/-0.130 χ^2/NDF: 12388042.7/53

eigen_cor_asym_at2_dd_mean vs Slug



Right In: 817.724+/-451.837 χ^2/NDF: 17.1/24

Left Out: 361.560+/-388.131 χ^2/NDF:29.6/24

Right Out: 511.813+/-423.157 χ^2/NDF: 28.9/30

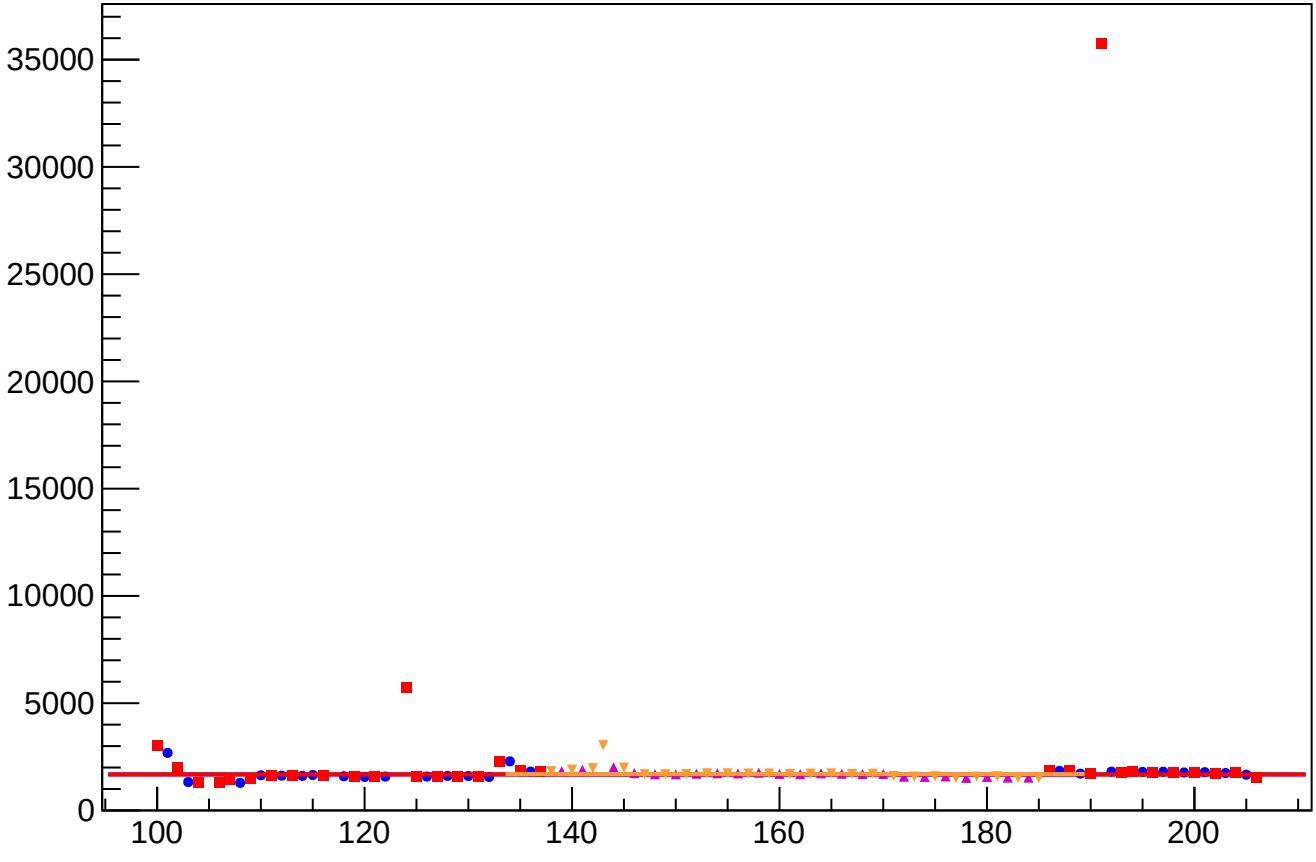
Left In: -156.934+/-394.258 χ^2/NDF:16.0/22

+ sign 555.243+/-294.420 χ^2/NDF: 47.3/49

All: 350.429+/-206.046 χ^2/NDF: 94.5/103

- sign 153.826+/-288.458 χ^2/NDF: 46.3/53

eigen_cor_asym_at2_dd_rms vs Slug



Right In: 1681.164+/-0.319 χ^2/NDF: 469833.0/24

Left Out: 1697.496+/-0.274 χ^2/NDF:495397.9/24

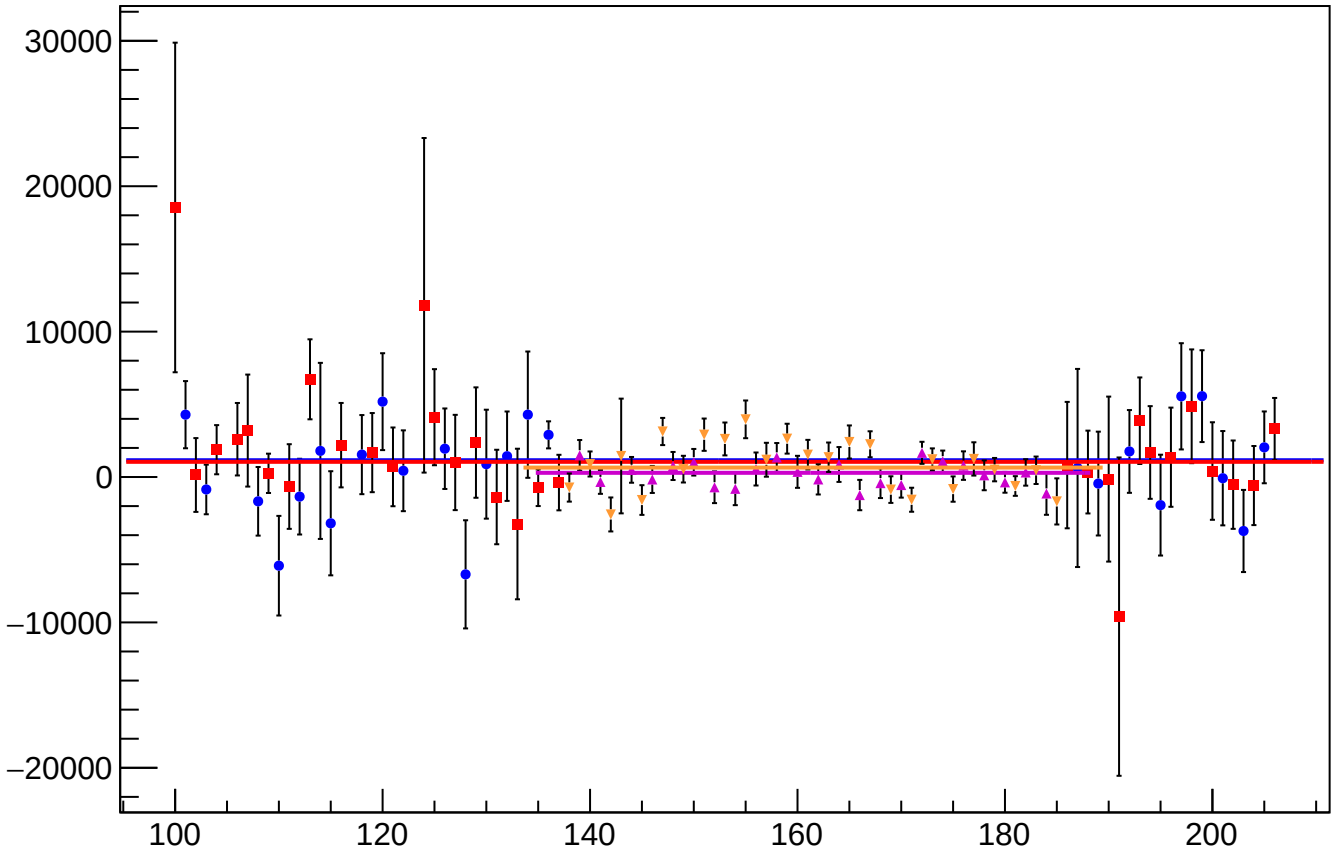
Right Out: 1677.814+/-0.299 χ^2/NDF: 694077.4/30

Left In: 1684.577+/-0.279 χ^2/NDF:165355.7/22

+ sign 1690.561+/-0.208 χ^2/NDF: 966734.3/49

All: 1685.904+/-0.146 χ^2/NDF: 1827421.5/10

- sign 1681.434+/-0.204 χ^2/NDF: 859706.5/53



Right In: 1154.657+/-509.197 χ^2/NDF: 29.4/24

Left Out: 649.165+/-195.673 χ^2/NDF:65.5/24

Right Out: 1045.244+/-479.066 χ^2/NDF: 19.0/30

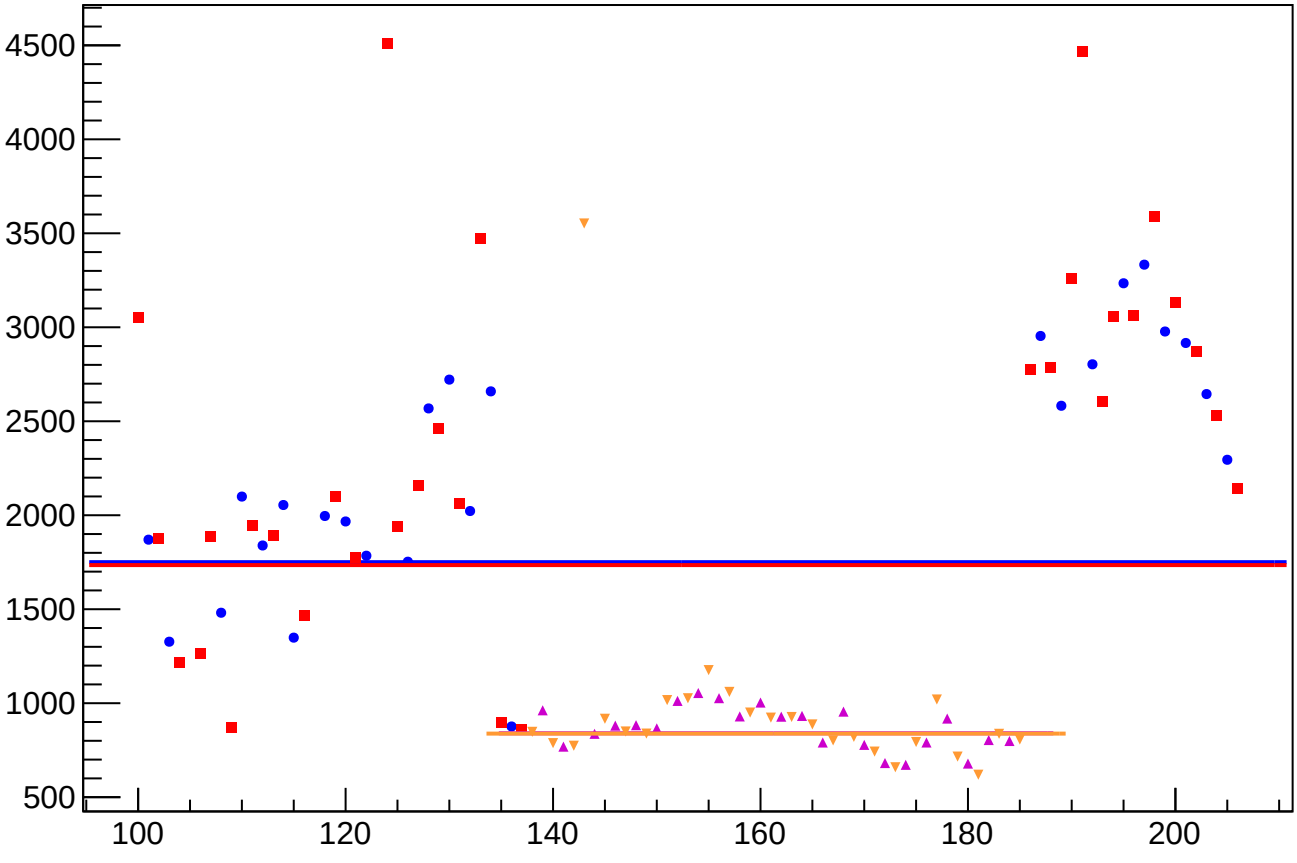
Left In: 288.602+/-198.495 χ^2/NDF:16.6/22

+ sign 714.206+/-182.651 χ^2/NDF: 95.7/49

All: 557.460+/-129.410 χ^2/NDF: 134.9/103

- sign 399.466+/-183.377 χ^2/NDF: 37.7/53

asym_at2_dd_eigen_cor_correction_rms vs Slug



Right In: 1750.326+/-0.360 χ^2/NDF: 4376920.2/24

Left Out: 838.254+/-0.138 χ^2/NDF:1800138.0/24

Right Out: 1734.839+/-0.339 χ^2/NDF: 5762853.0/30

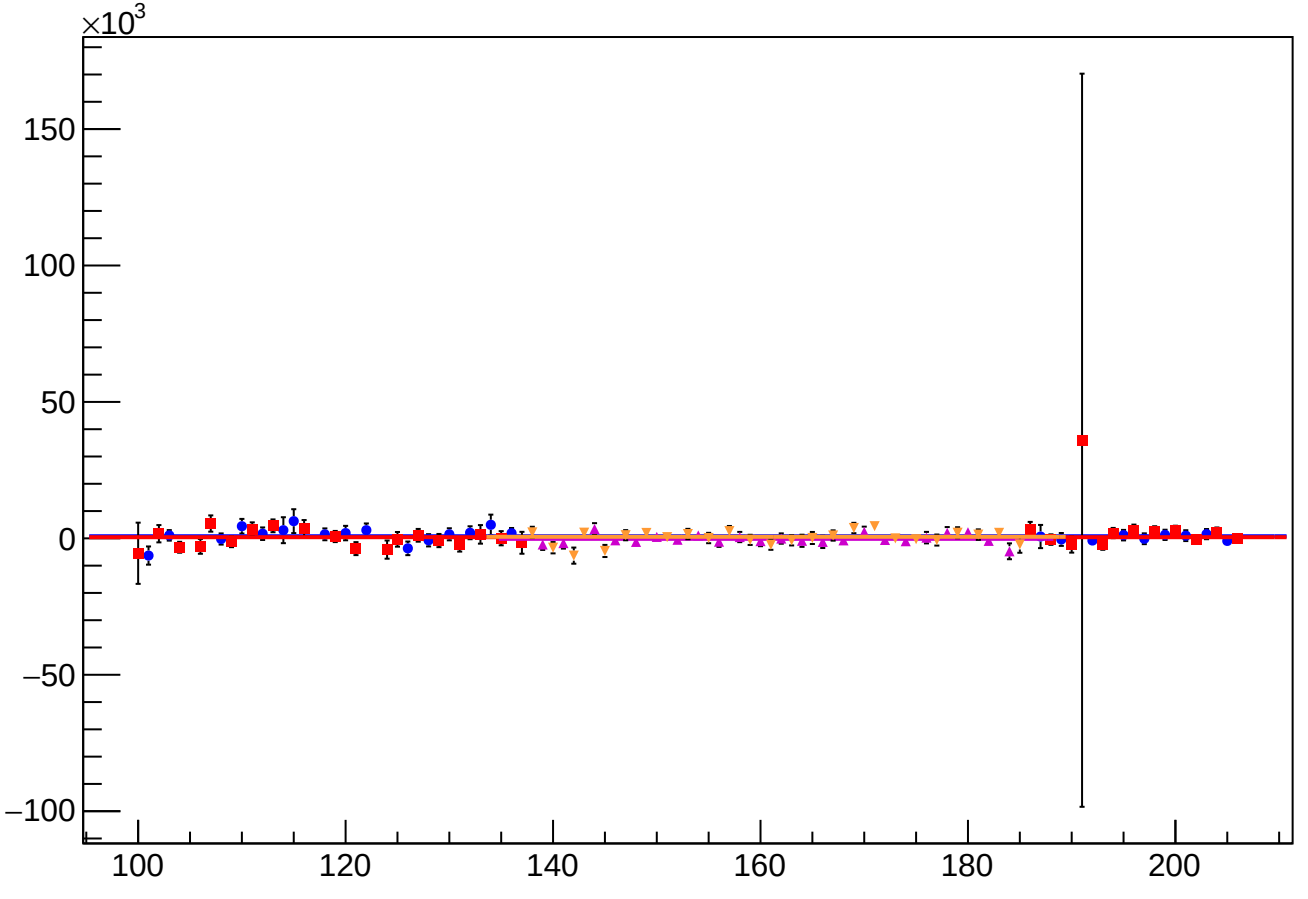
Left In: 839.978+/-0.140 χ^2/NDF:669338.3/22

+ sign 955.609+/-0.129 χ^2/NDF: 11768196.6/49

All: 963.321+/-0.092 χ^2/NDF: 24163398.2/10

- sign 971.094+/-0.130 χ^2/NDF: 12388042.7/53

dit_asym_at2_dd_mean vs Slug



Right In: 777.879+/-455.642 χ^2/NDF: 17.7/24

Left Out: 580.299+/-389.769 χ^2/NDF:31.9/24

Right Out: 420.727+/-423.713 χ^2/NDF: 31.1/30

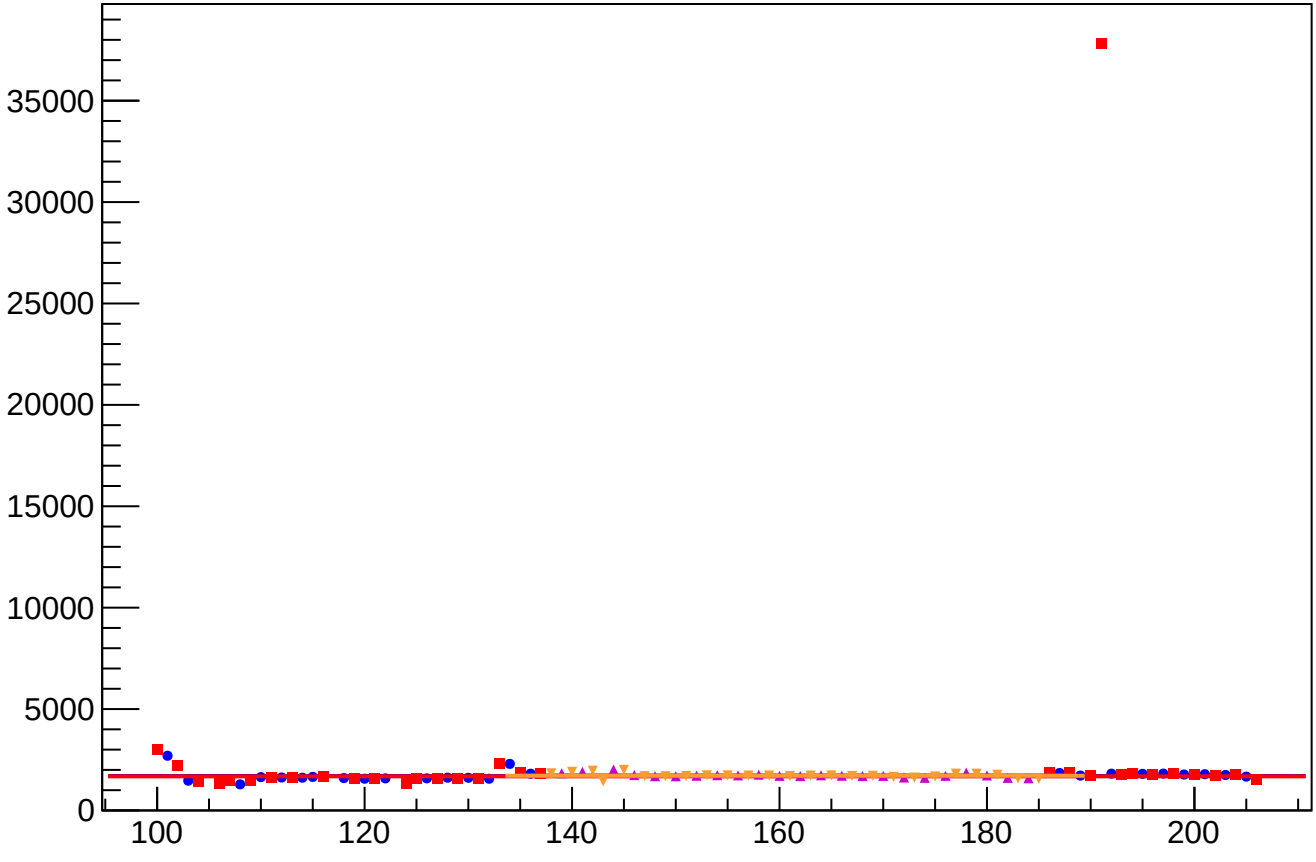
Left In: -185.836+/-404.094 χ^2/NDF:14.4/22

+ sign 663.787+/-296.186 χ^2/NDF: 49.8/49

All: 379.853+/-208.093 χ^2/NDF: 98.2/103

- sign 103.078+/-292.428 χ^2/NDF: 46.6/53

dit_asym_at2_dd_rms vs Slug



Right In: 1697.063+/-0.322 χ^2/NDF: 413596.1/24

Left Out: 1711.712+/-0.276 χ^2/NDF:168006.4/24

Right Out: 1683.254+/-0.300 χ^2/NDF: 555062.2/30

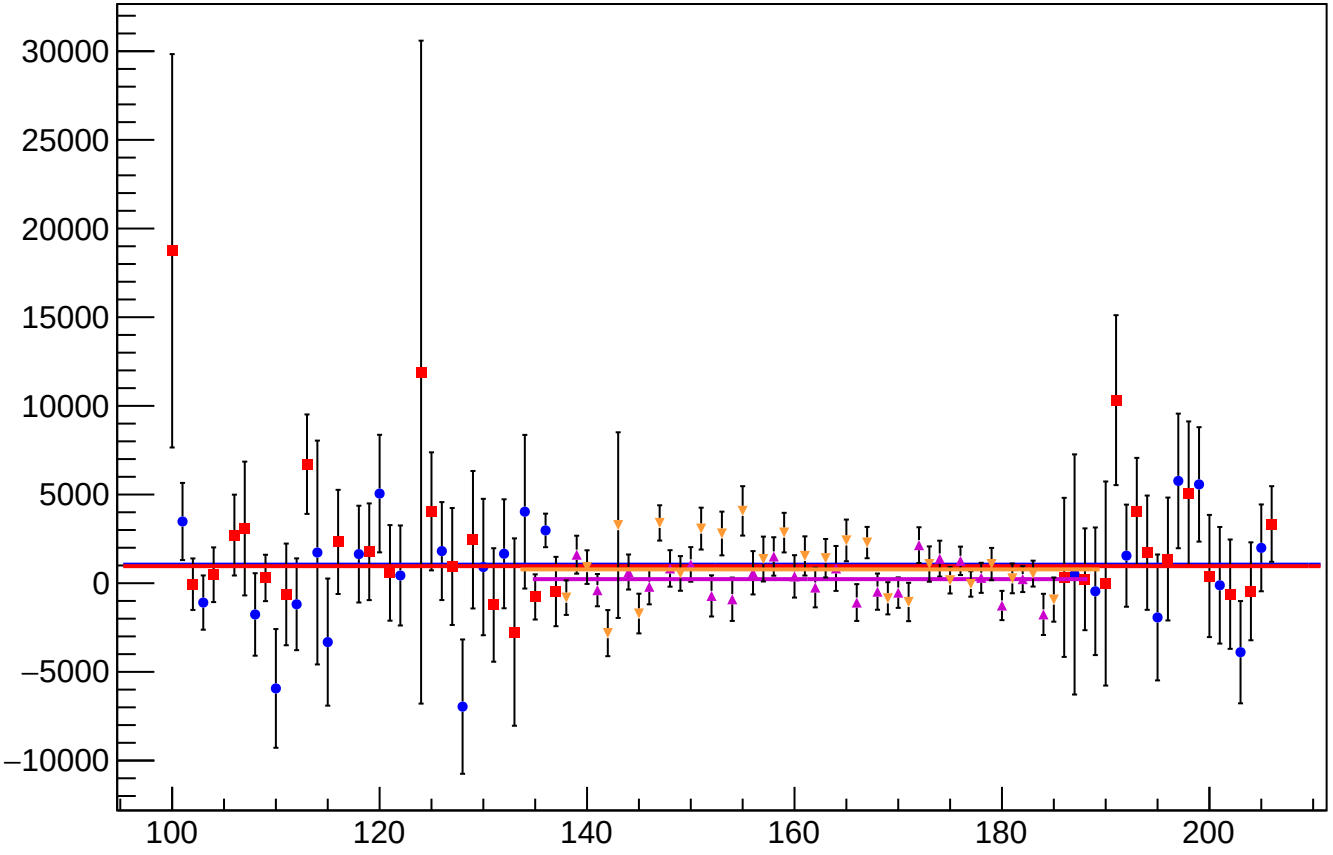
Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

+ sign 1705.522+/-0.209 χ^2/NDF: 582796.1/49

All: 1706.088+/-0.147 χ^2/NDF: 1249734.6/10

- sign 1706.641+/-0.207 χ^2/NDF: 666924.0/53

asym_at2_dd_dit_correction_mean vs Slug



Right In: 1046.163+/-506.067 χ^2/NDF: 29.7/24

Left Out: 778.974+/-201.641 χ^2/NDF:54.5/24

Right Out: 961.329+/-457.210 χ^2/NDF: 21.7/30

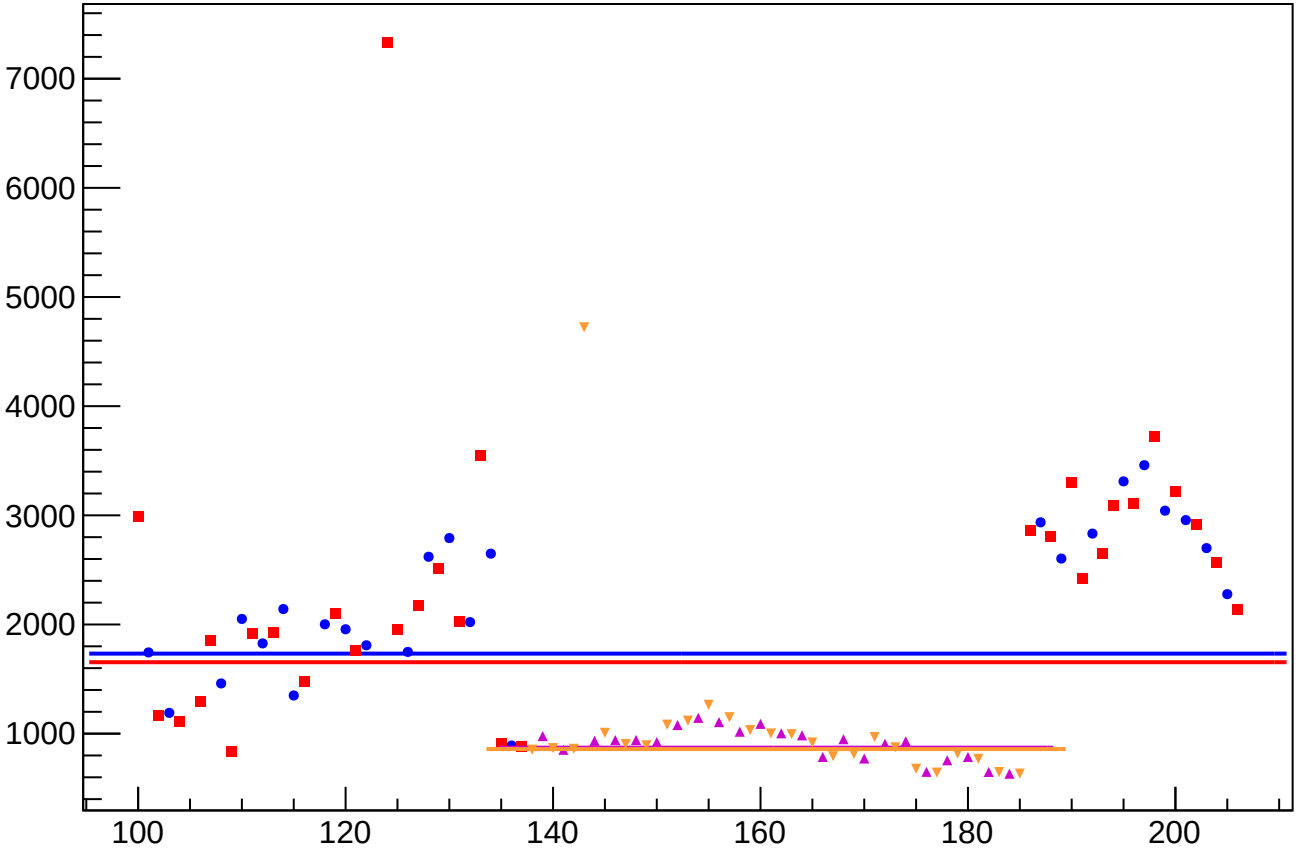
Left In: 228.879+/-206.703 χ^2/NDF:22.6/22

+ sign 815.581+/-187.319 χ^2/NDF: 84.4/49

All: 585.648+/-132.817 χ^2/NDF: 133.9/103

- sign 353.179+/-188.349 χ^2/NDF: 46.5/53

asym_at2_dd_dit_correction_rms vs Slug



Right In: 1733.142+/-0.358 χ^2/NDF: 4523589.7/24

Left Out: 858.593+/-0.143 χ^2/NDF:2279775.0/24

Right Out: 1654.345+/-0.323 χ^2/NDF: 6303531.2/30

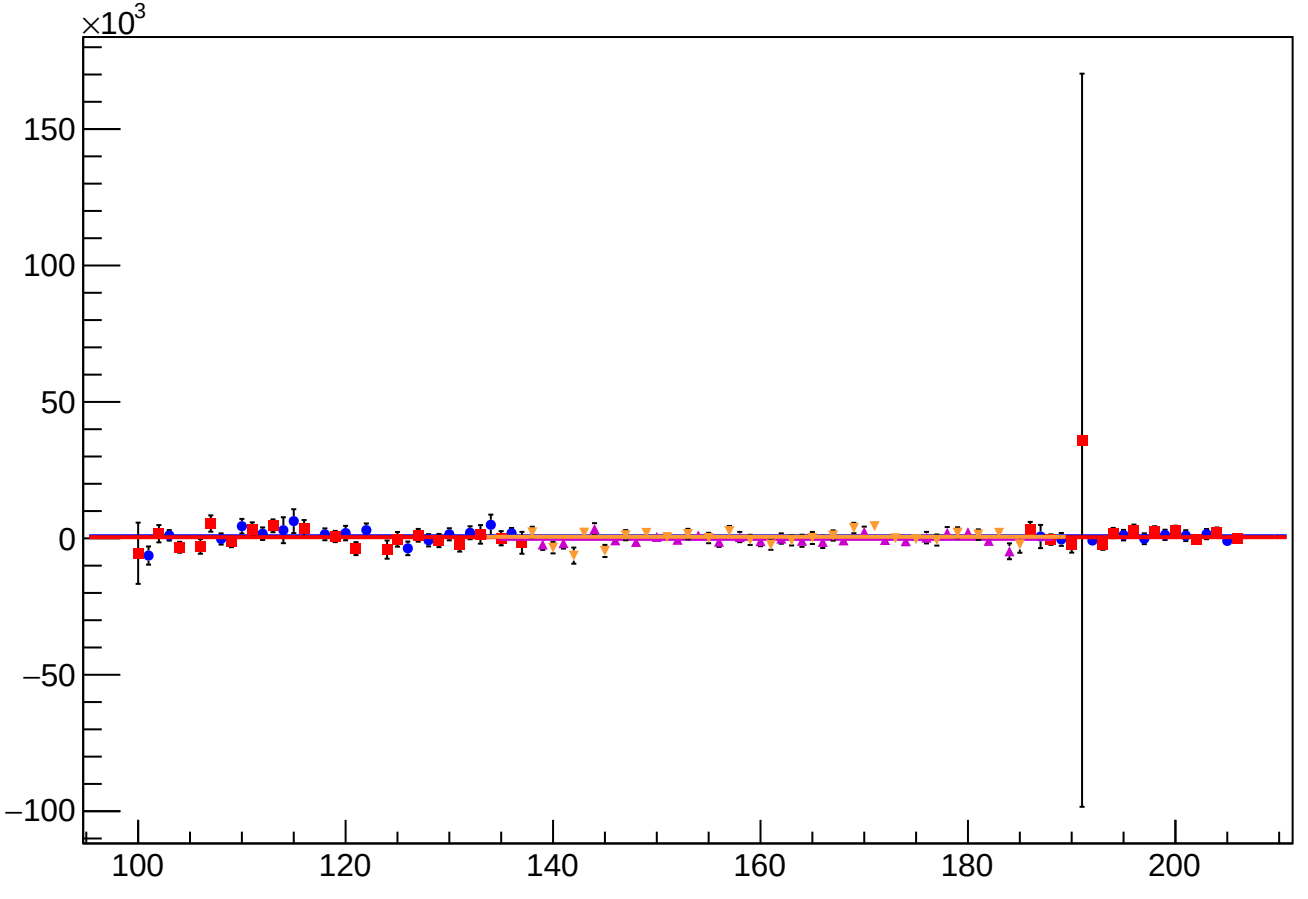
Left In: 871.527+/-0.146 χ^2/NDF:979356.2/22

+ sign 978.413+/-0.132 χ^2/NDF: 11957885.6/49

All: 991.323+/-0.094 χ^2/NDF: 24127900.6/10

- sign 1004.375+/-0.133 χ^2/NDF: 12150911.5/53

eigen_dit_asym_at2_dd_mean vs Slug



Right In: 777.880+/-455.642 χ^2/NDF: 17.7/24

Left Out: 580.295+/-389.769 χ^2/NDF:31.9/24

Right Out: 420.725+/-423.713 χ^2/NDF: 31.1/30

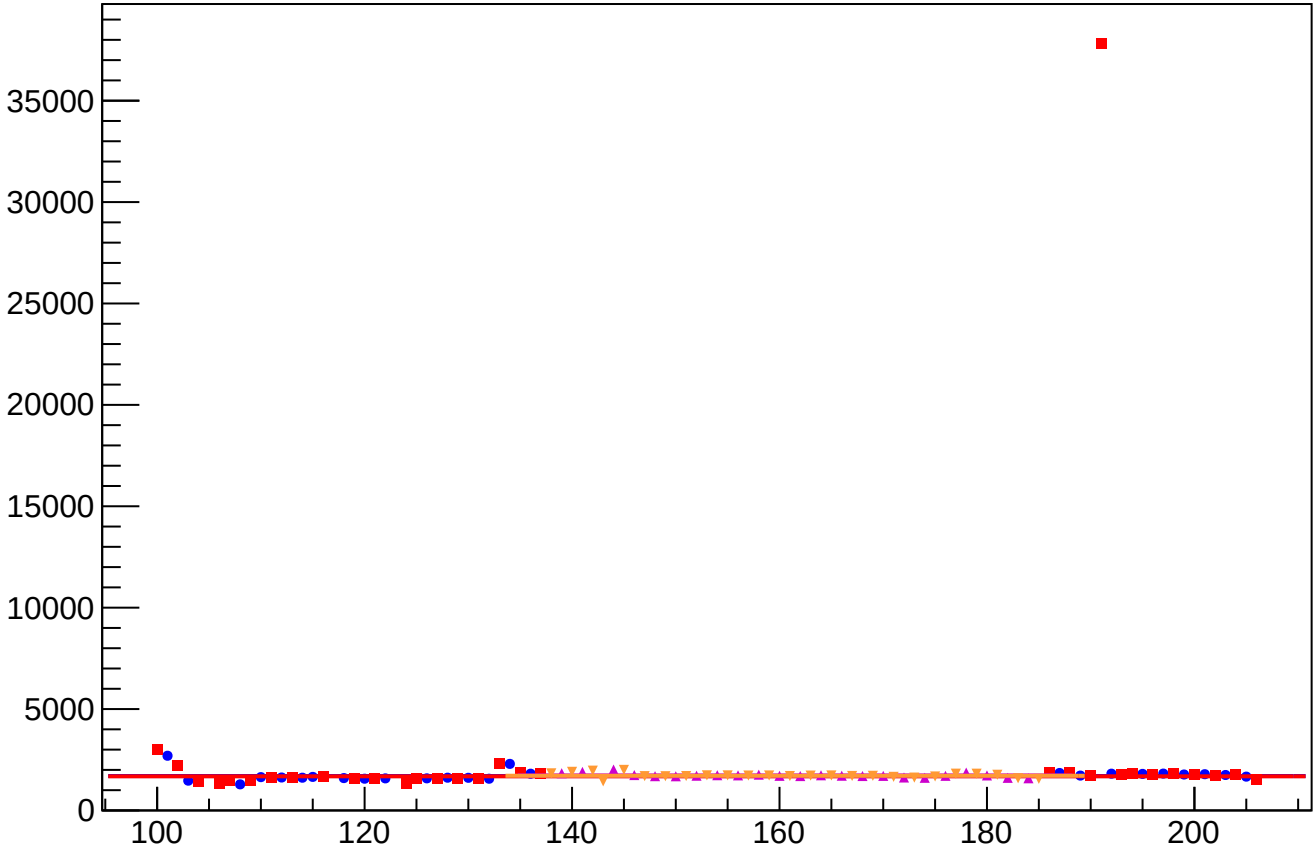
Left In: -185.837+/-404.094 χ^2/NDF:14.4/22

+ sign 663.785+/-296.186 χ^2/NDF: 49.8/49

All: 379.851+/-208.093 χ^2/NDF: 98.2/103

- sign 103.077+/-292.427 χ^2/NDF: 46.6/53

eigen_dit_asym_at2_dd_rms vs Slug



Right In: 1697.063+/-0.322 χ^2/NDF: 413595.8/24

Left Out: 1711.711+/-0.276 χ^2/NDF:168005.1/24

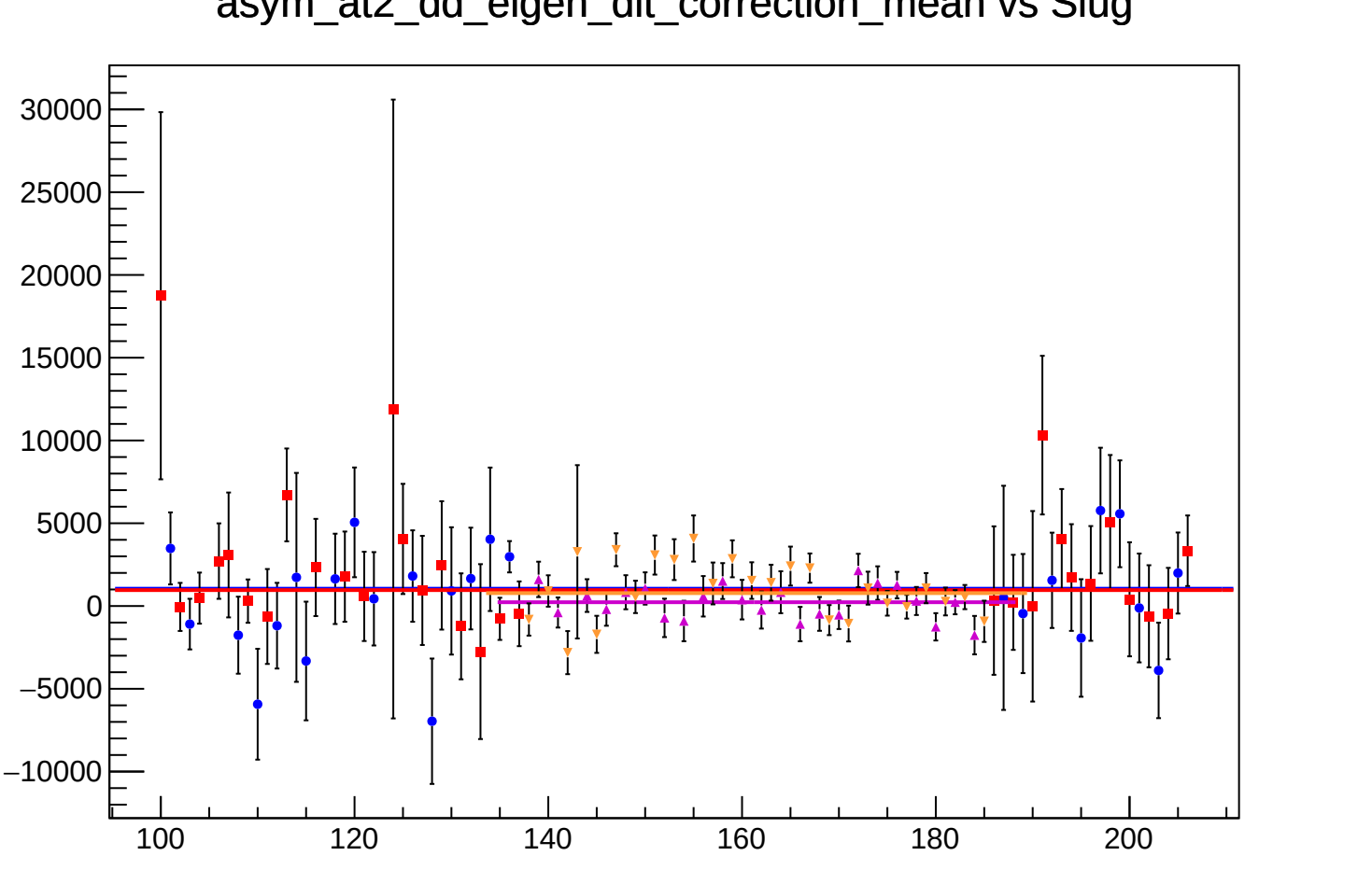
Right Out: 1683.254+/-0.300 χ^2/NDF: 555062.3/30

Left In: 1727.912+/-0.286 χ^2/NDF:100226.8/22

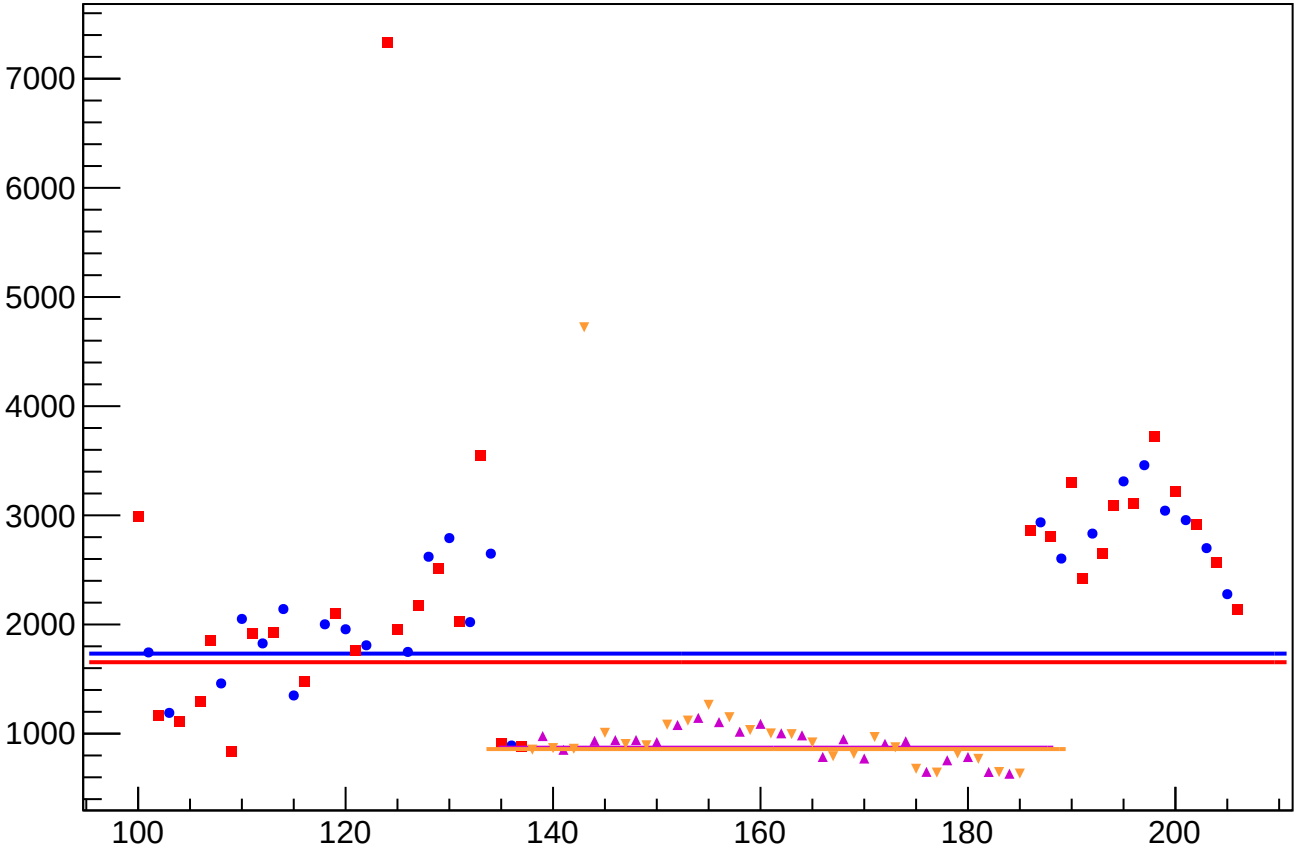
+ sign 1705.522+/-0.209 χ^2/NDF: 582794.7/49

All: 1706.088+/-0.147 χ^2/NDF: 1249733.0/10

- sign 1706.641+/-0.207 χ^2/NDF: 666923.9/53


asym_at2_dd_eigen_dit_correction_mean vs Slug
30000
25000
20000
15000
10000
5000
0
−5000
−10000
100
120
140
160
180
200
Right In: 1046.154+/-506.070 χ²/NDF: 29.7/24
Left Out: 778.977+/-201.641 χ²/NDF:54.5/24
Right Out: 961.344+/-457.213 χ²/NDF: 21.7/30
Left In: 228.876+/-206.703 χ²/NDF:22.6/22
+ sign 815.582+/-187.319 χ²/NDF: 84.4/49
All: 585.648+/-132.817 χ²/NDF: 133.9/103
- sign 353.179+/-188.349 χ²/NDF: 46.5/53

asym_at2_dd_eigen_dit_correction_rms vs Slug



Right In: 1733.157+/-0.358 χ^2/NDF: 4523433.8/24

Left Out: 858.593+/-0.143 χ^2/NDF:2279765.6/24

Right Out: 1654.359+/-0.323 χ^2/NDF: 6303382.2/30

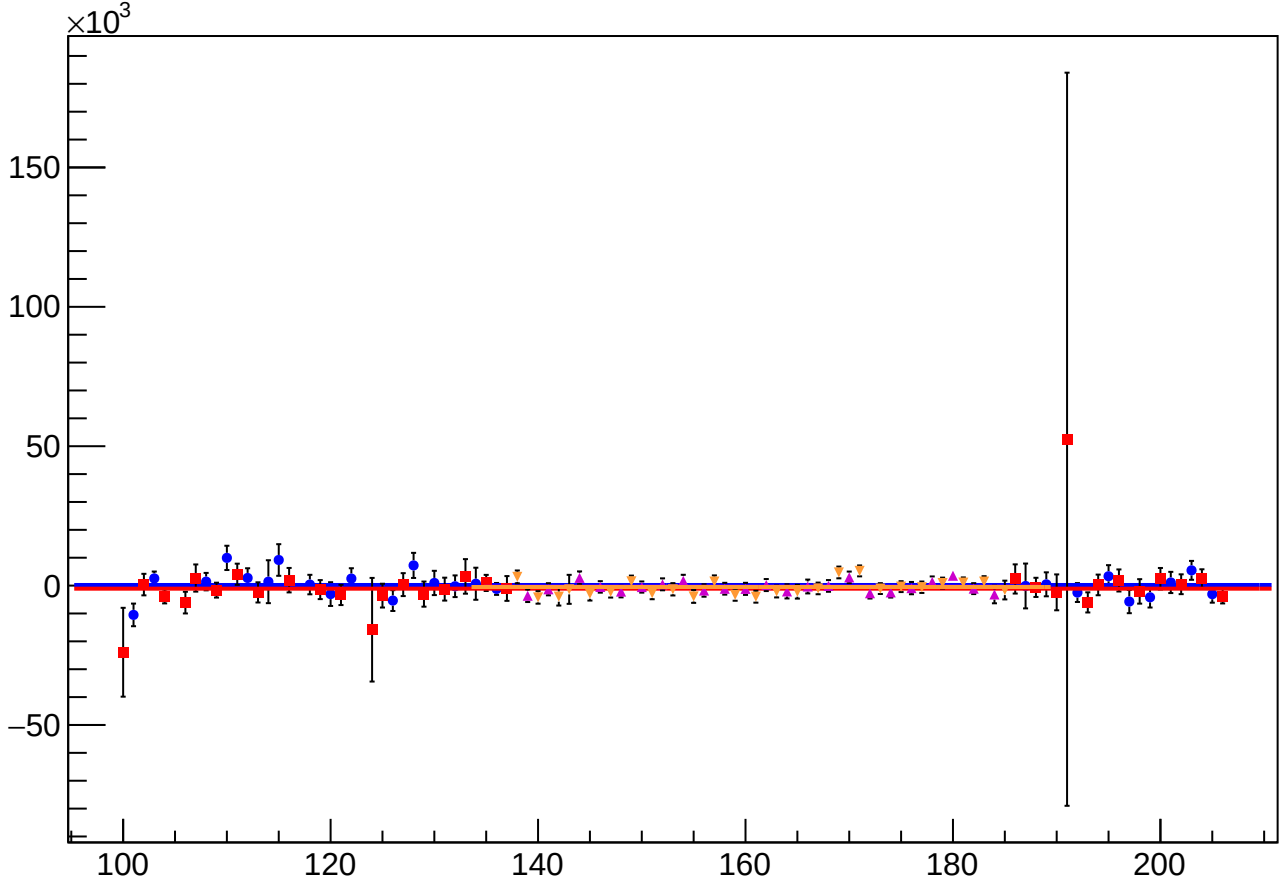
Left In: 871.525+/-0.146 χ^2/NDF:979360.3/22

+ sign 978.414+/-0.132 χ^2/NDF: 11957848.7/49

All: 991.324+/-0.094 χ^2/NDF: 24127857.5/10

- sign 1004.375+/-0.133 χ^2/NDF: 12150907.0/53

asym_at2_dd_mean vs Slug



Right In: 218.853+/-740.506 χ^2/NDF: 30.6/24

Left Out: -501.517+/-439.916 χ^2/NDF:35.9/24

Right Out: -1103.620+/-697.748 χ^2/NDF: 17.5/30

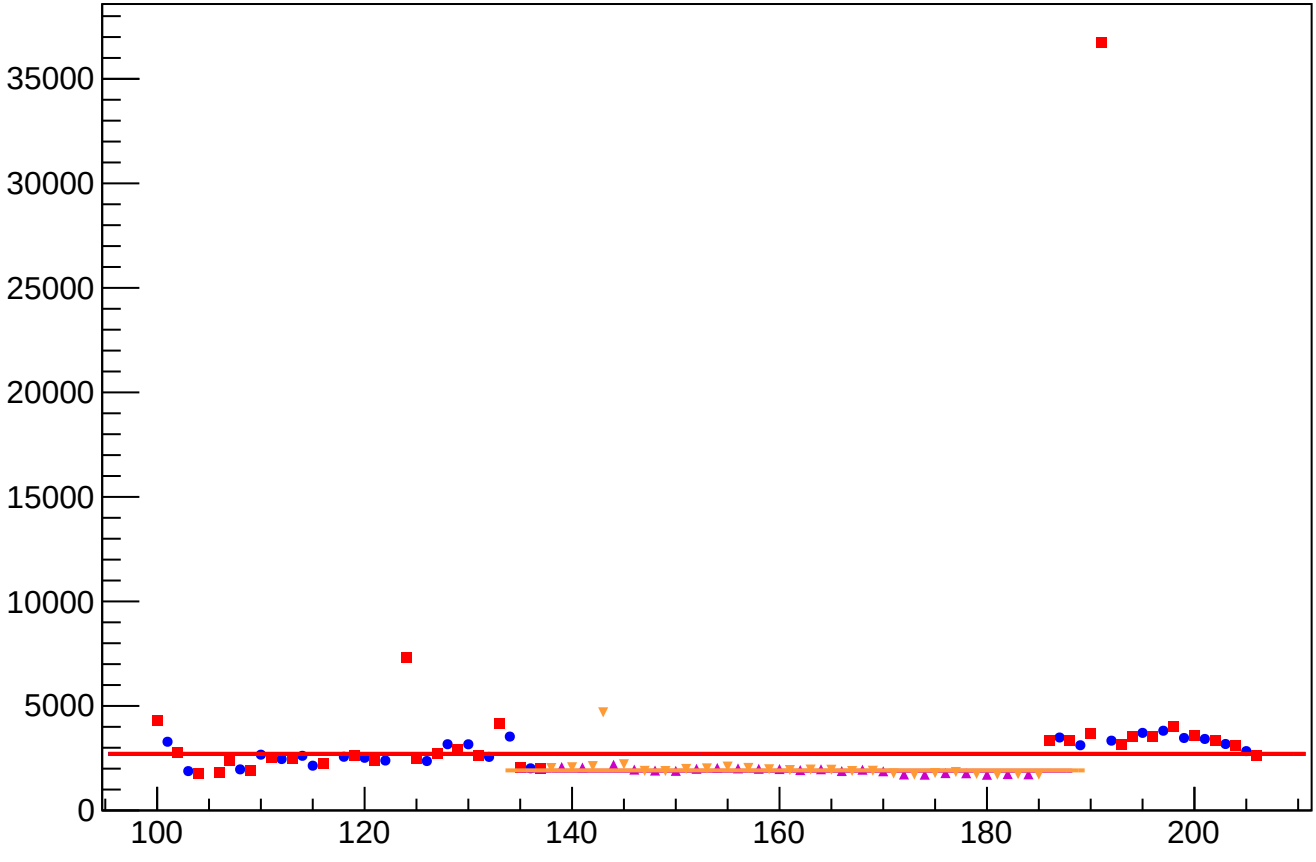
Left In: -411.323+/-444.573 χ^2/NDF:18.9/22

+ sign -313.600+/-378.210 χ^2/NDF: 67.2/49

All: -463.705+/-266.269 χ^2/NDF: 104.5/103

- sign -611.220+/-374.935 χ^2/NDF: 37.0/53

asym_at2_dd_rms vs Slug



Right In: 2708.096+/-0.524 χ^2/NDF: 1315607.2/24

Left Out: 1917.157+/-0.311 χ^2/NDF:756385.6/24

Right Out: 2703.276+/-0.493 χ^2/NDF: 1945060.0/30

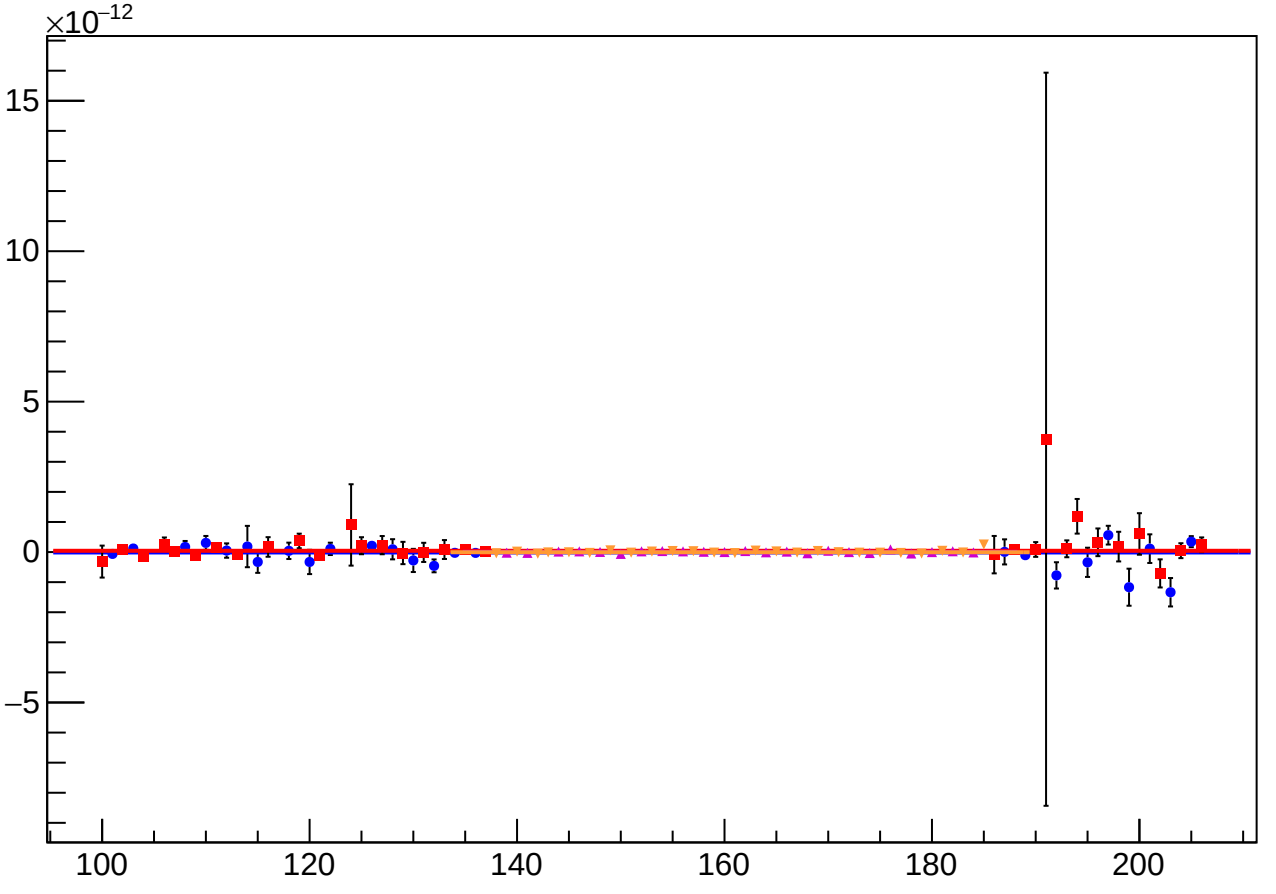
Left In: 1899.245+/-0.314 χ^2/NDF:173376.4/22

+ sign 2123.483+/-0.267 χ^2/NDF: 3758488.8/49

All: 2127.479+/-0.188 χ^2/NDF: 7766258.0/10

- sign 2131.407+/-0.265 χ^2/NDF: 4007326.4/53

asym_at2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 37.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.5/24

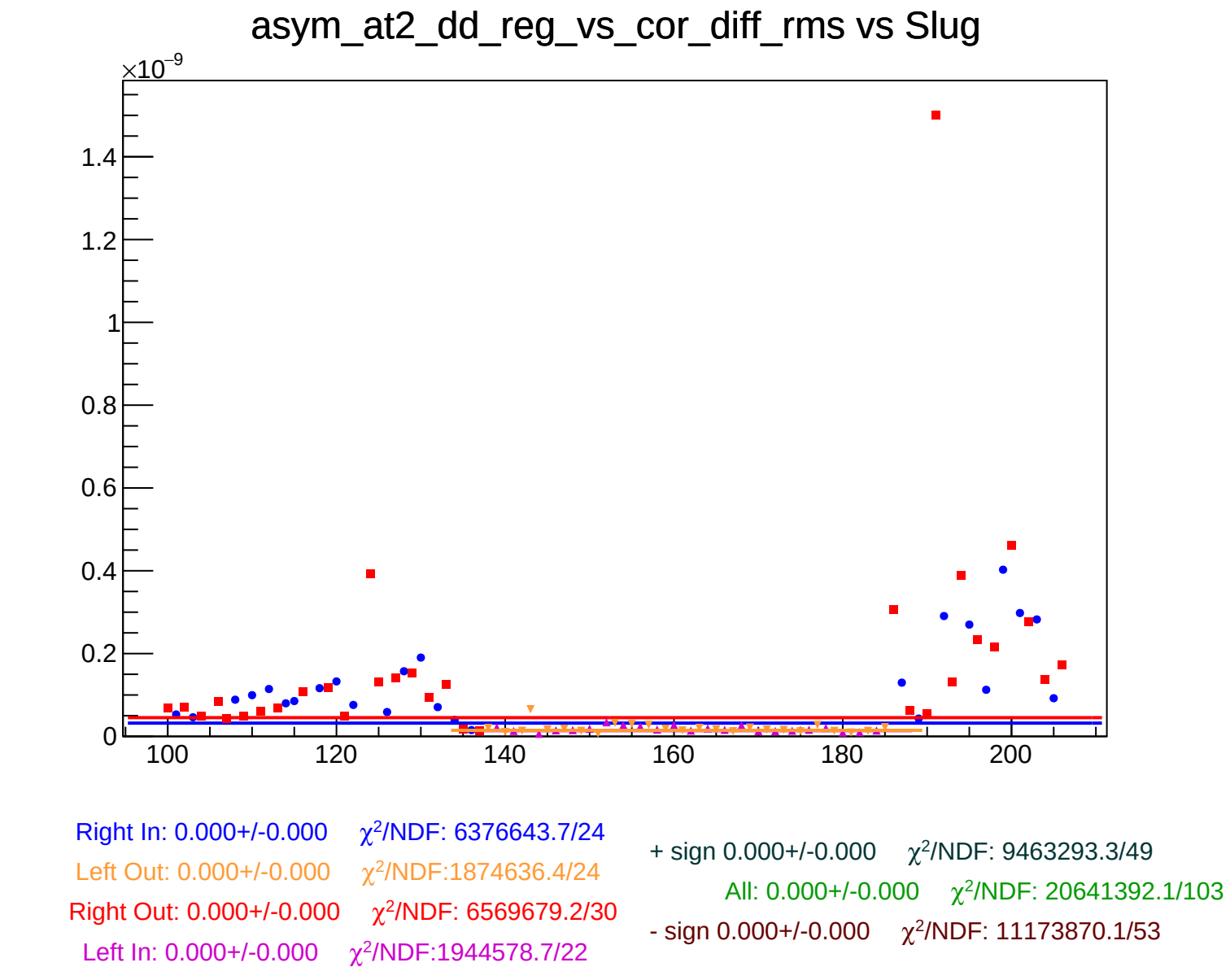
Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/30

Left In: 0.000+/-0.000 χ^2/NDF:25.0/22

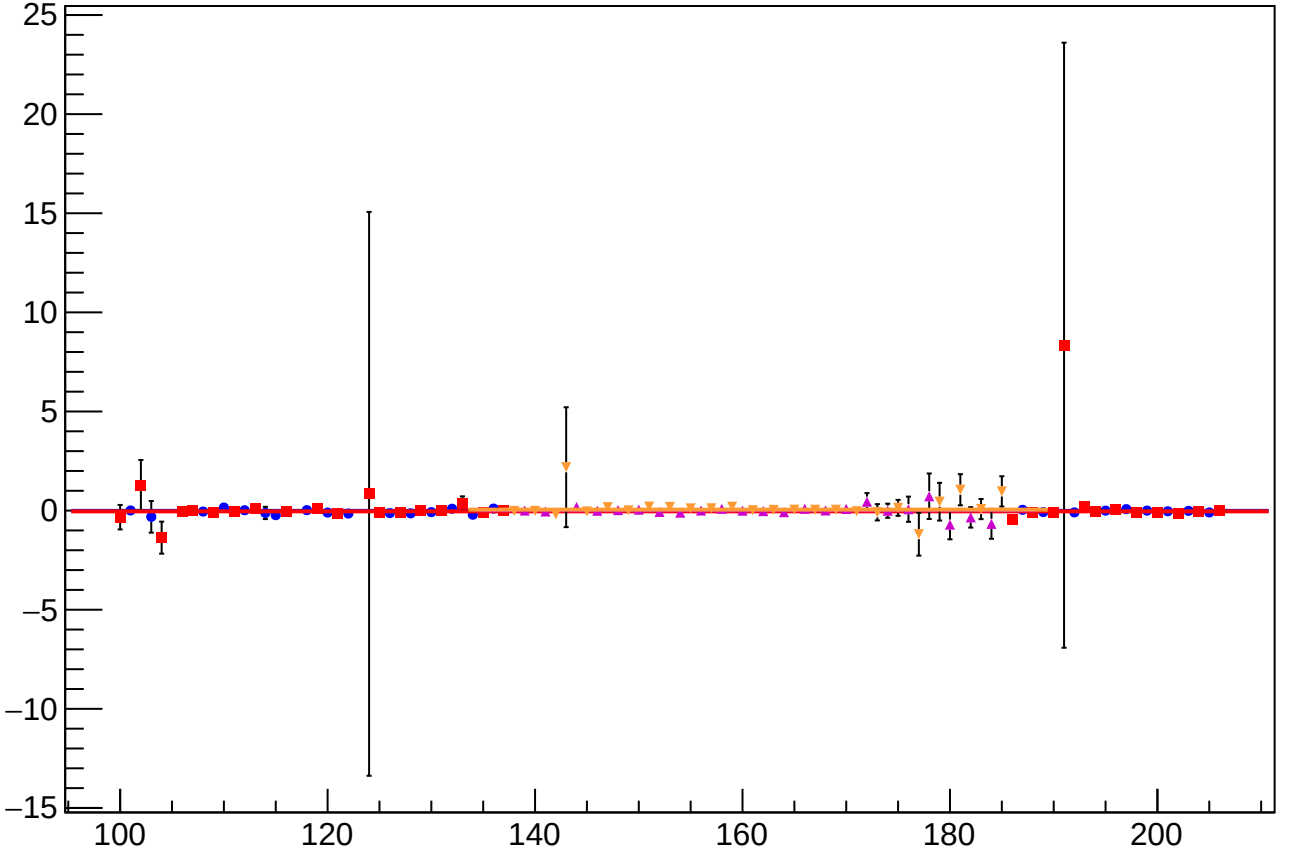
+ sign -0.000+/-0.000 χ^2/NDF: 66.0/49

All: 0.000+/-0.000 χ^2/NDF: 120.4/103

- sign 0.000+/-0.000 χ^2/NDF: 50.8/53


asym_at2_dd_reg_vs_cor_diff_rms vs Slug
×10⁻⁹
1.4
1.2
1
0.8
0.6
0.4
0.2
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 6376643.7/24
Left Out: 0.000+/-0.000 χ²/NDF:1874636.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 6569679.2/30
Left In: 0.000+/-0.000 χ²/NDF:1944578.7/22
+ sign 0.000+/-0.000 χ²/NDF: 9463293.3/49
All: 0.000+/-0.000 χ²/NDF: 20641392.1/103
- sign 0.000+/-0.000 χ²/NDF: 11173870.1/53

asym_at2_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.037+/-0.019 χ^2/NDF: 25.1/30

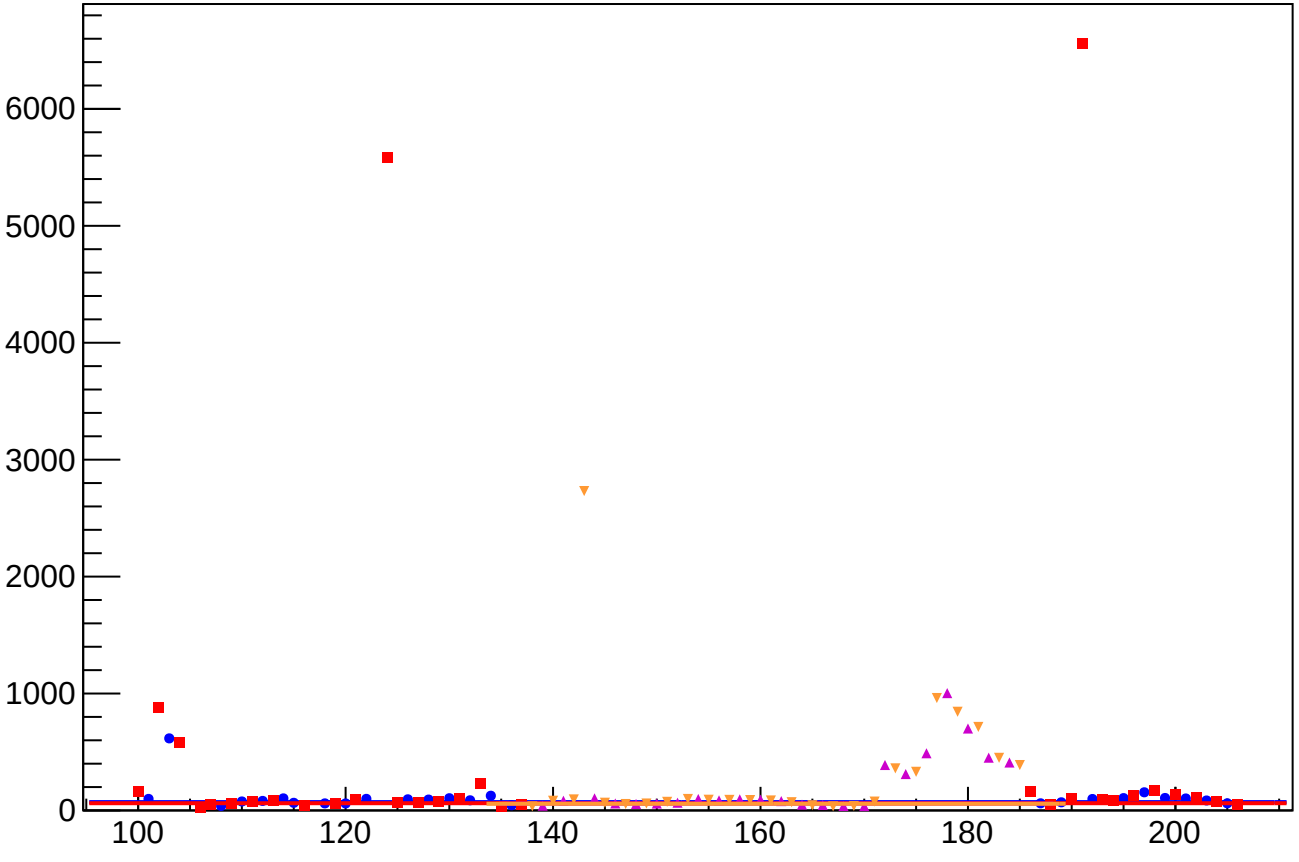
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.025+/-0.013 χ^2/NDF: 46.1/49

All: 0.008+/-0.009 χ^2/NDF: 94.5/103

- sign -0.007+/-0.013 χ^2/NDF: 45.4/53

asym_at2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 71.555+/-0.015 χ^2/NDF: 3764023.3/24

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

Right Out: 61.915+/-0.013 χ^2/NDF: 7271773.5/30

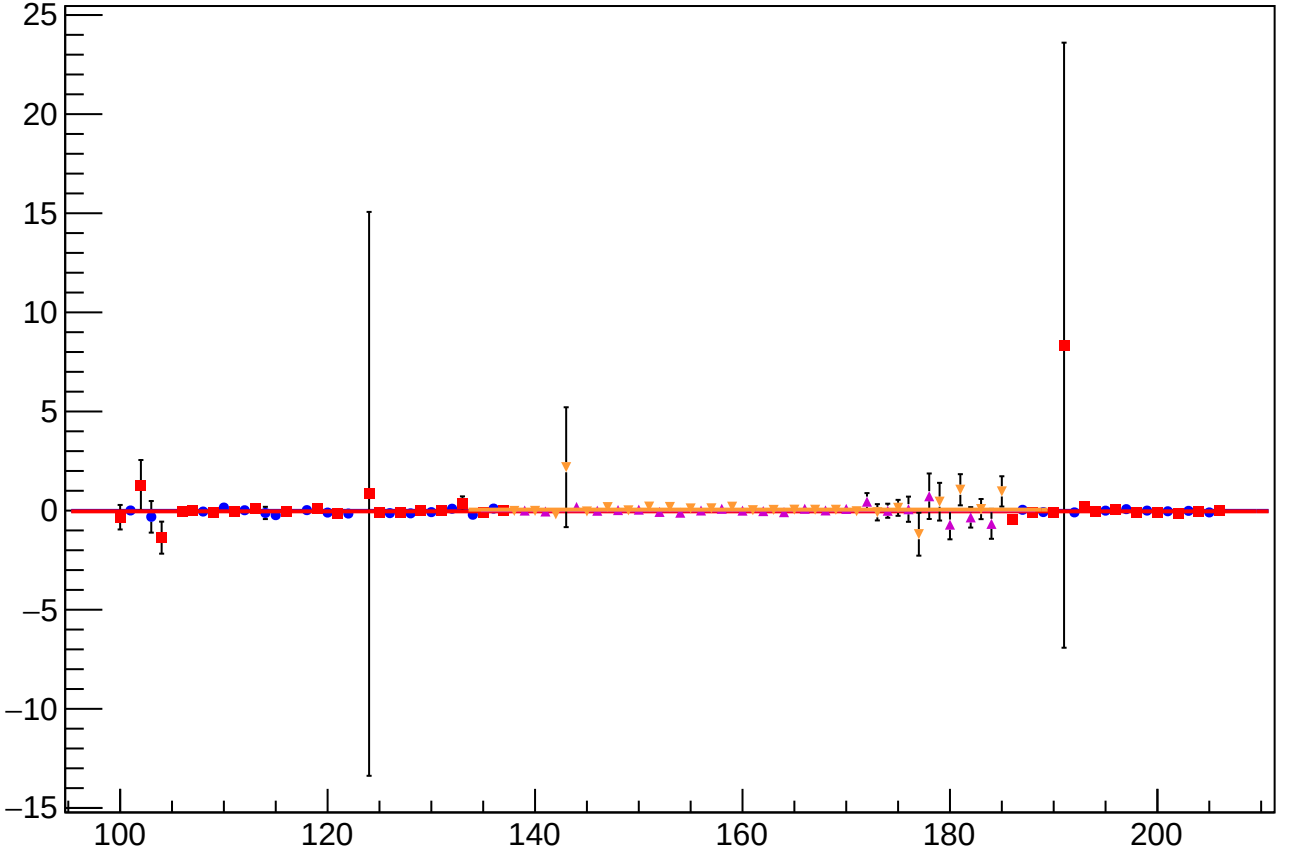
Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

+ sign 62.757+/-0.009 χ^2/NDF: 16628155.2/49

All: 61.356+/-0.006 χ^2/NDF: 34223904.8/103

- sign 60.108+/-0.009 χ^2/NDF: 17554161.2/53

asym_at2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.037+/-0.019 χ^2/NDF: 25.1/30

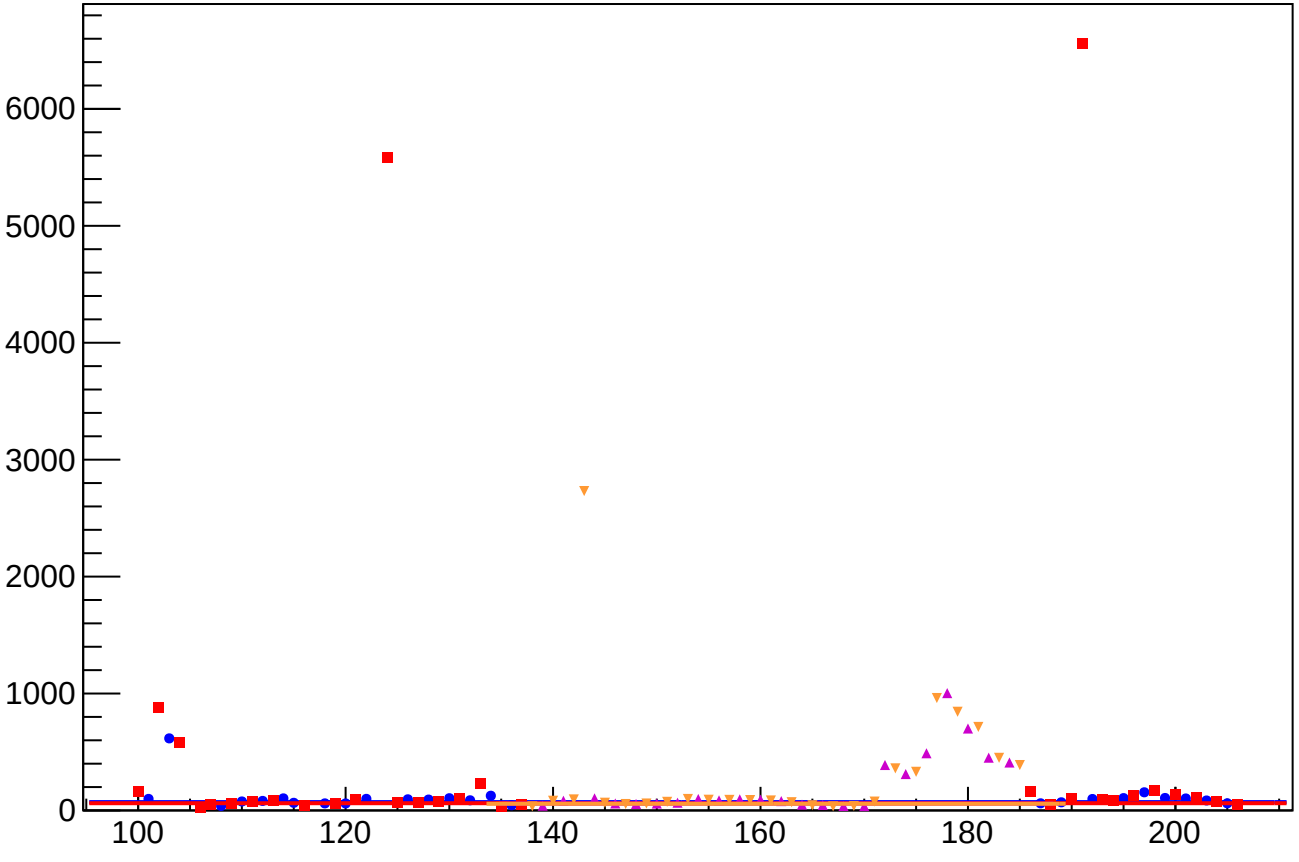
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.025+/-0.013 χ^2/NDF: 46.1/49

All: 0.008+/-0.009 χ^2/NDF: 94.5/103

- sign -0.007+/-0.013 χ^2/NDF: 45.4/53

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 71.555+/-0.015 χ^2/NDF: 3764023.3/24

Left Out: 57.259+/-0.012 χ^2/NDF:12322019.7/24

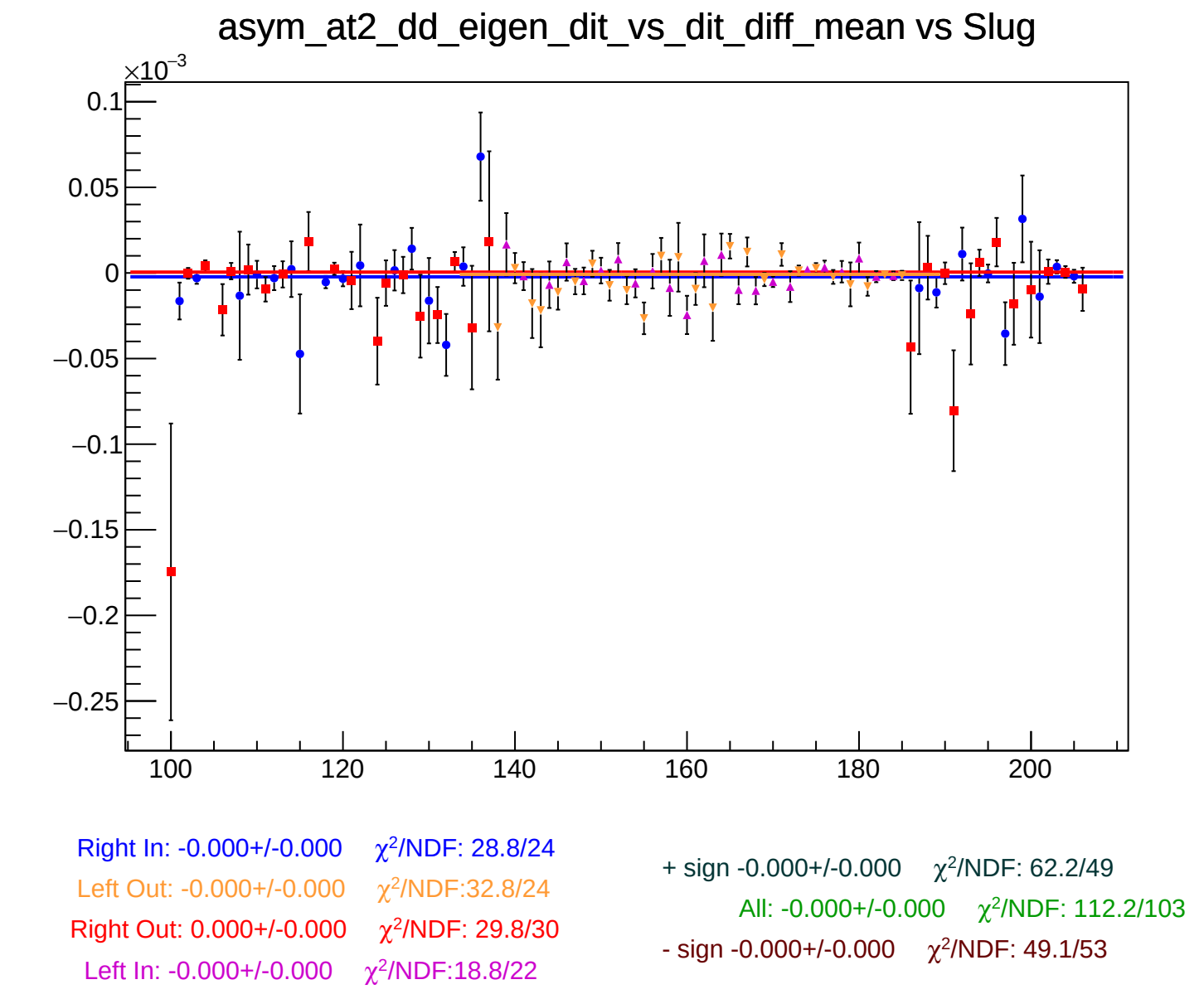
Right Out: 61.915+/-0.013 χ^2/NDF: 7271773.5/30

Left In: 58.580+/-0.012 χ^2/NDF:10247660.0/22

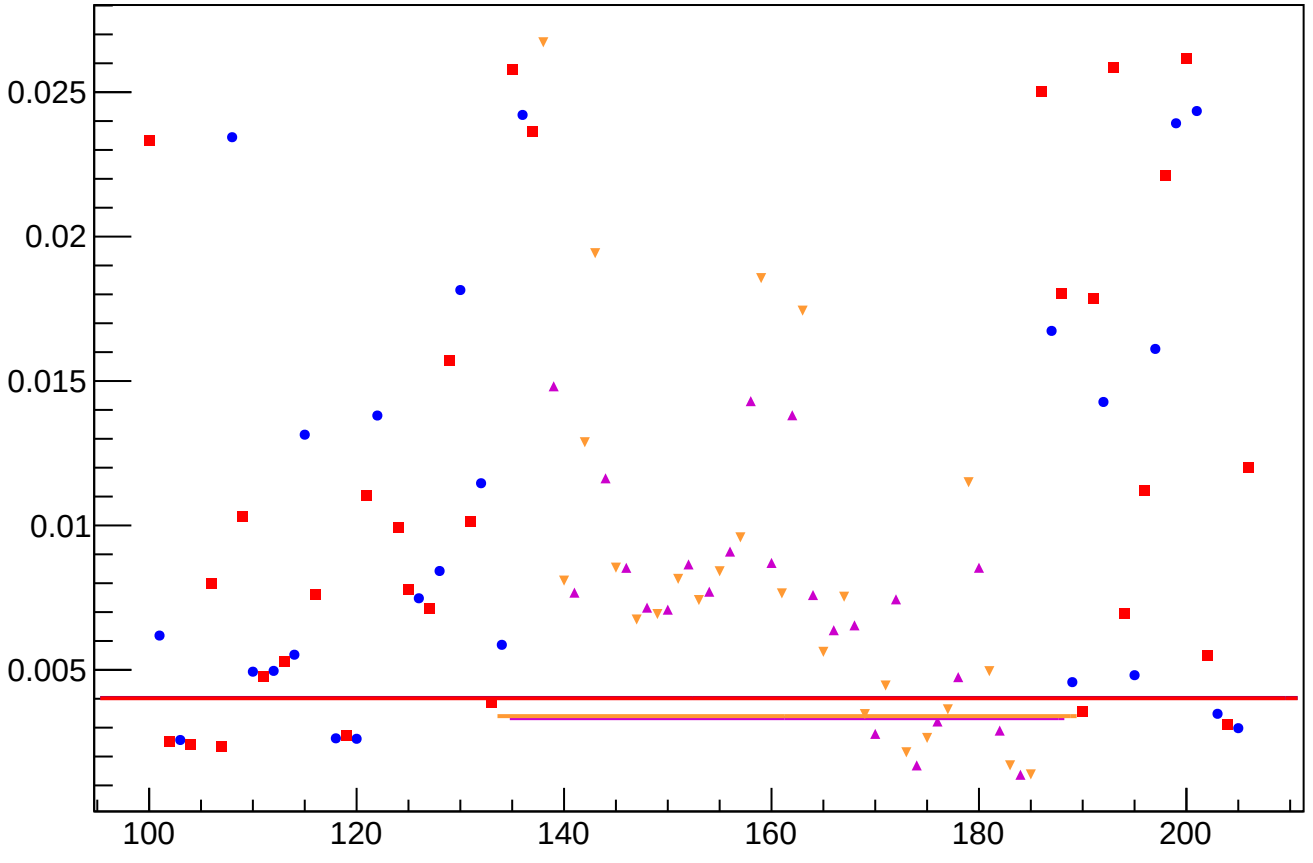
+ sign 62.757+/-0.009 χ^2/NDF: 16628155.2/49

All: 61.356+/-0.006 χ^2/NDF: 34223904.8/103

- sign 60.108+/-0.009 χ^2/NDF: 17554161.2/53


asym_at2_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10^−3
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
−0.25
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.8/24
Left Out: -0.000+/-0.000 χ²/NDF:32.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 29.8/30
Left In: -0.000+/-0.000 χ²/NDF:18.8/22
+ sign -0.000+/-0.000 χ²/NDF: 62.2/49
All: -0.000+/-0.000 χ²/NDF: 112.2/103
- sign -0.000+/-0.000 χ²/NDF: 49.1/53

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 9320396.4/24

Left Out: 0.003+/-0.000 χ^2/NDF:14248948.0/24

Right Out: 0.004+/-0.000 χ^2/NDF: 12103322.3/30

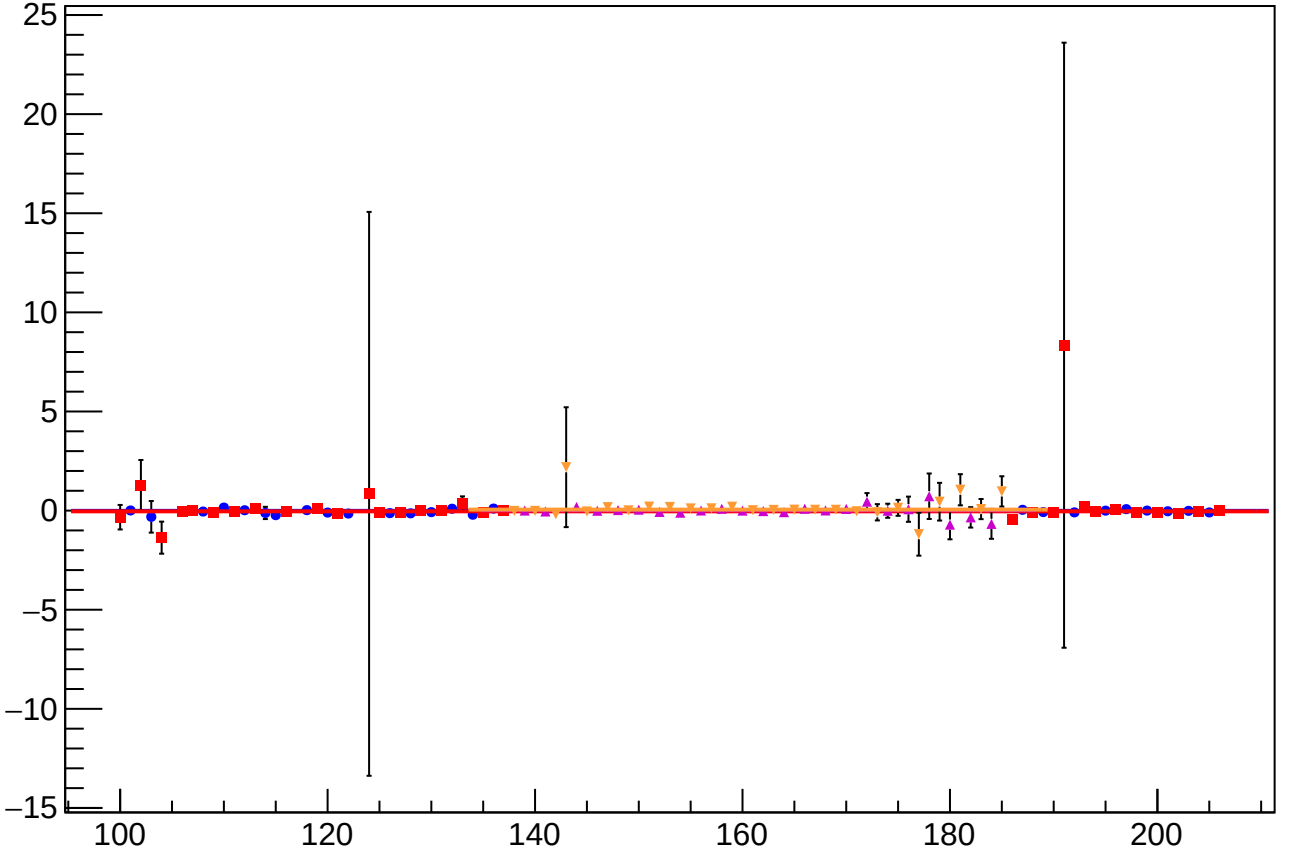
Left In: 0.003+/-0.000 χ^2/NDF:12566501.1/22

+ sign 0.004+/-0.000 χ^2/NDF: 23827345.8/49

All: 0.004+/-0.000 χ^2/NDF: 48838011.7/103

- sign 0.004+/-0.000 χ^2/NDF: 25010299.0/53

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

Right Out: -0.037+/-0.019 χ^2/NDF: 25.1/30

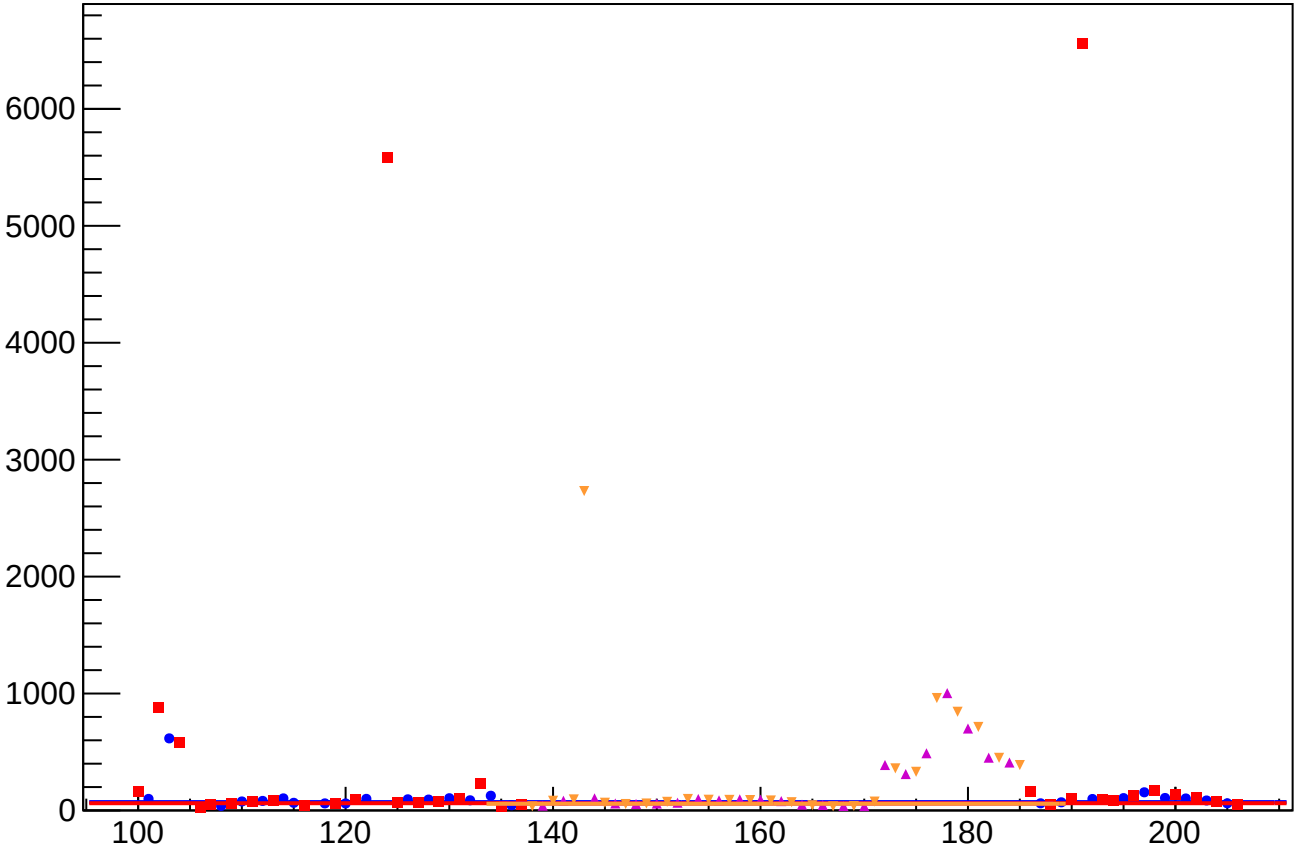
Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.025+/-0.013 χ^2/NDF: 46.1/49

All: 0.008+/-0.009 χ^2/NDF: 94.6/103

- sign -0.007+/-0.013 χ^2/NDF: 45.4/53

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 71.561+/-0.015 χ^2/NDF: 3762710.6/24

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

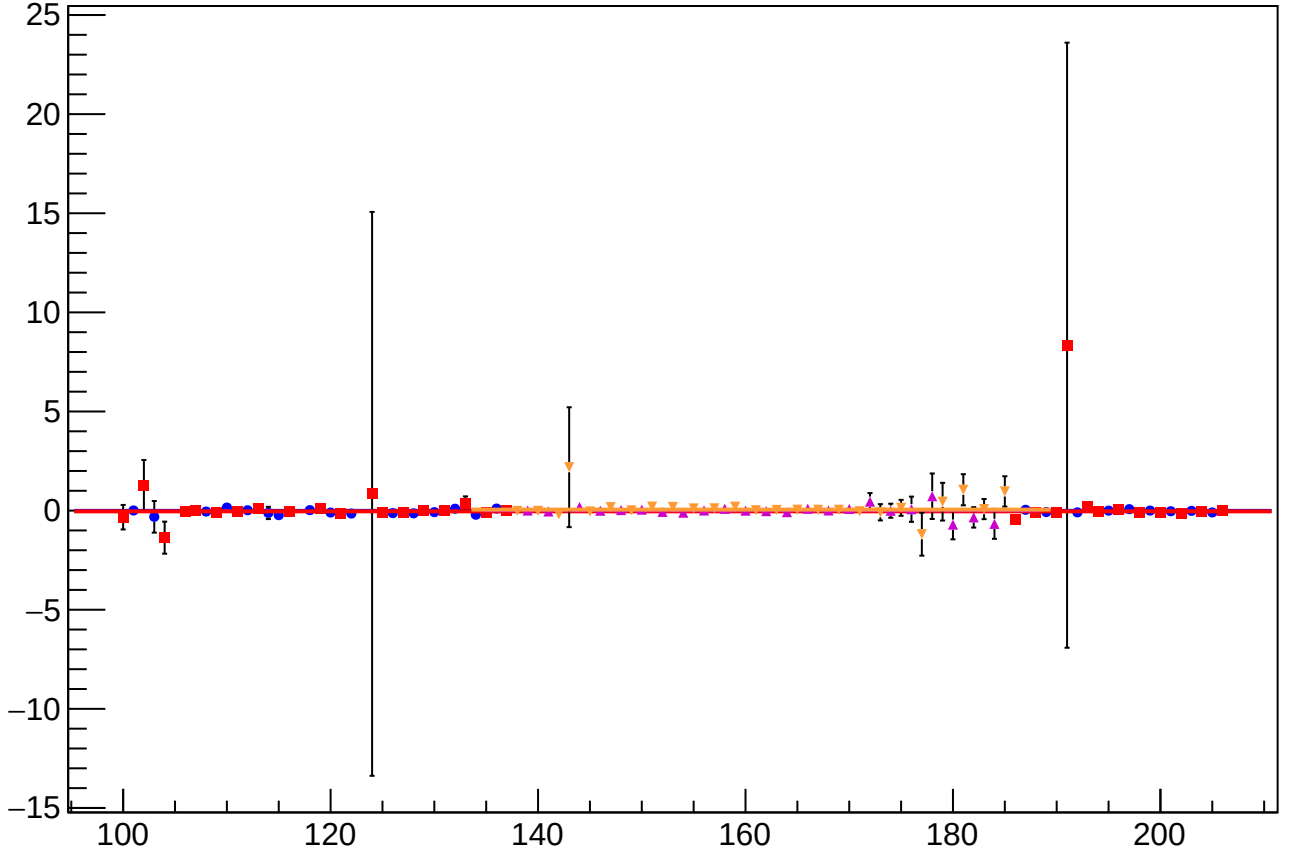
Right Out: 61.911+/-0.013 χ^2/NDF: 7272718.8/30

Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 62.758+/-0.009 χ^2/NDF: 16627100.8/49

All: 61.356+/-0.006 χ^2/NDF: 34223209.1/103

- sign 60.107+/-0.009 χ^2/NDF: 17554472.6/53



Right In: -0.014+/-0.022 χ^2/NDF: 16.2/24

Left Out: 0.050+/-0.017 χ^2/NDF:24.5/24

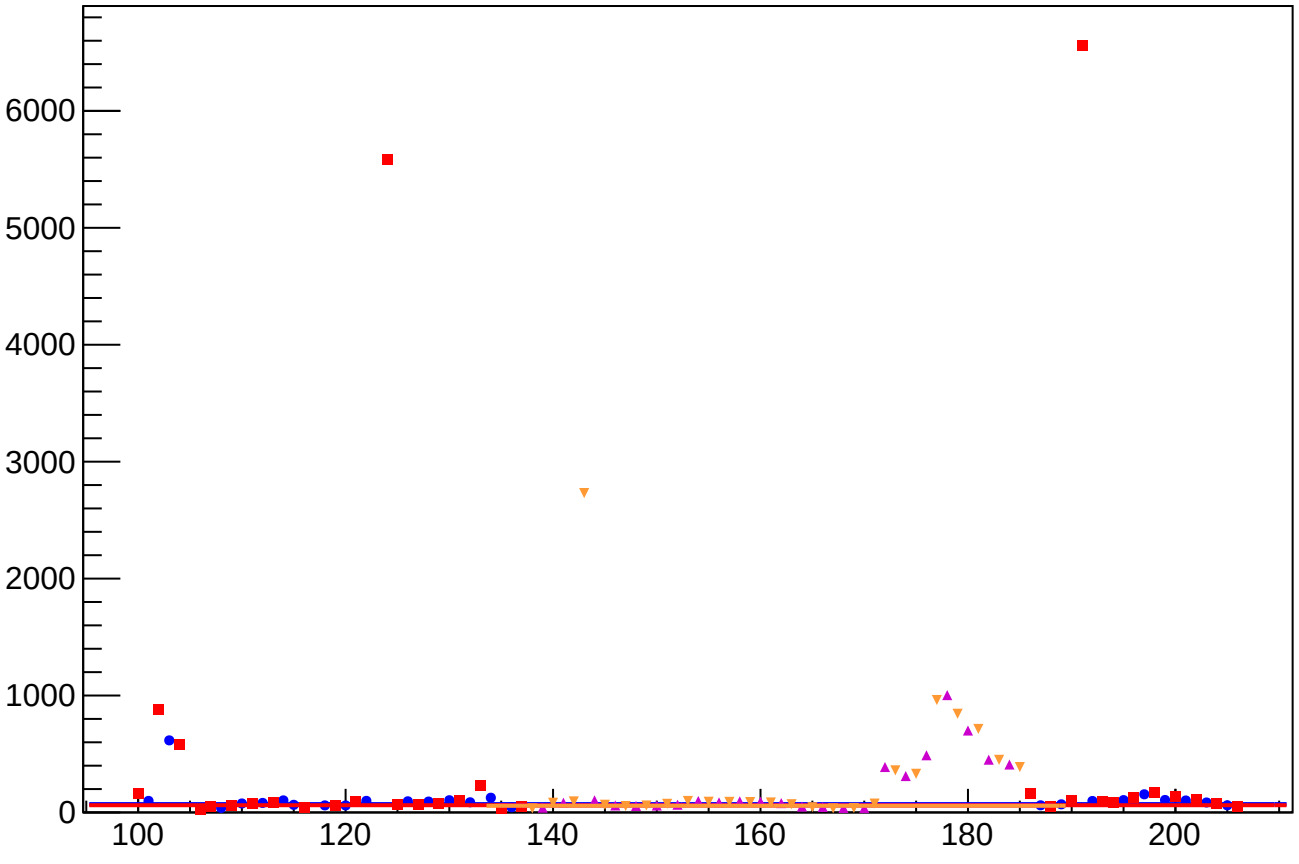
Right Out: -0.037+/-0.019 χ^2/NDF: 25.1/30

Left In: 0.019+/-0.017 χ^2/NDF:15.4/22

+ sign 0.025+/-0.013 χ^2/NDF: 46.1/49

All: 0.008+/-0.009 χ^2/NDF: 94.6/103

- sign -0.007+/-0.013 χ^2/NDF: 45.4/53



Right In: 71.561+/-0.015 χ^2/NDF: 3762710.6/24

Left Out: 57.258+/-0.012 χ^2/NDF:12321763.3/24

Right Out: 61.911+/-0.013 χ^2/NDF: 7272718.8/30

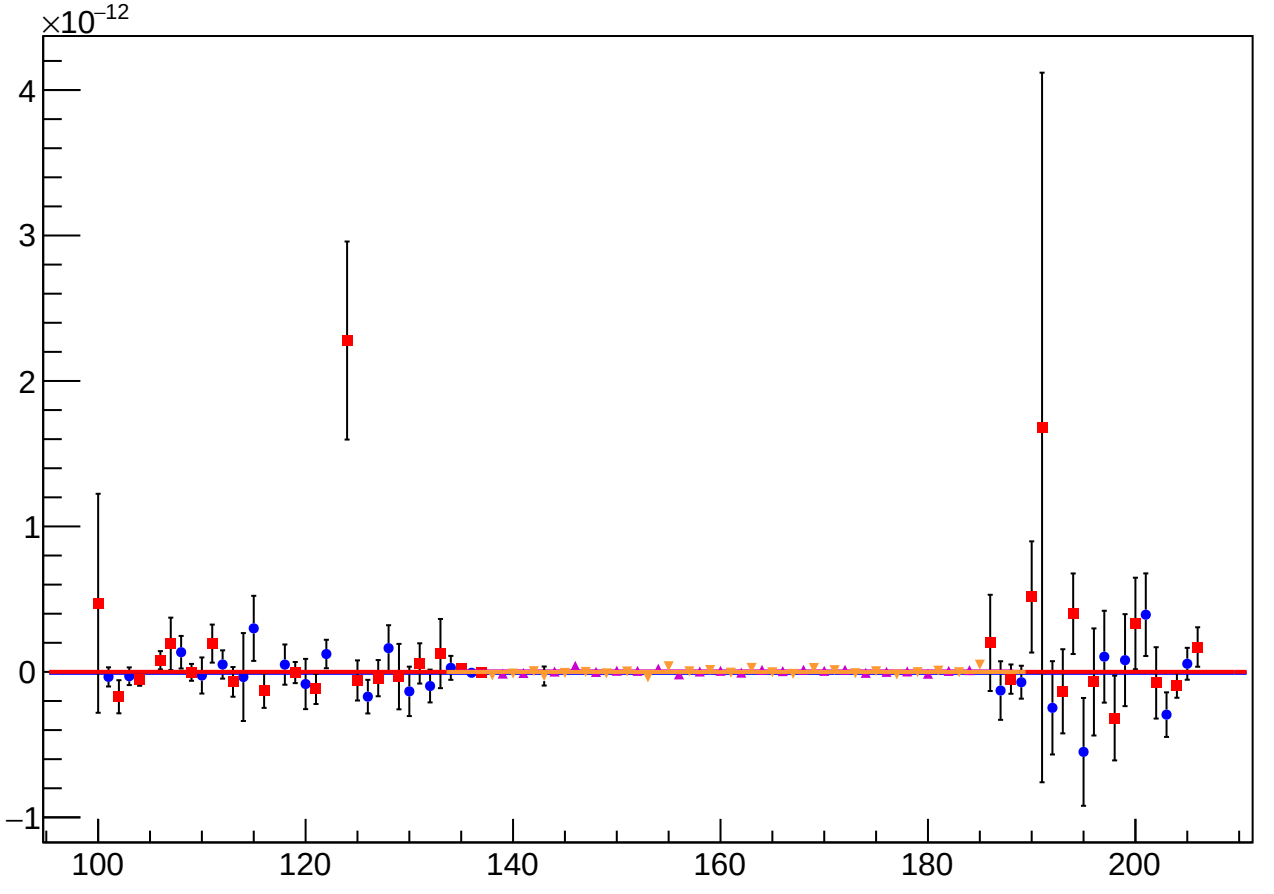
Left In: 58.582+/-0.012 χ^2/NDF:10247153.8/22

+ sign 62.758+/-0.009 χ^2/NDF: 16627100.8/49

All: 61.356+/-0.006 χ^2/NDF: 34223209.1/103

- sign 60.107+/-0.009 χ^2/NDF: 17554472.6/53

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 20.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:18.8/24

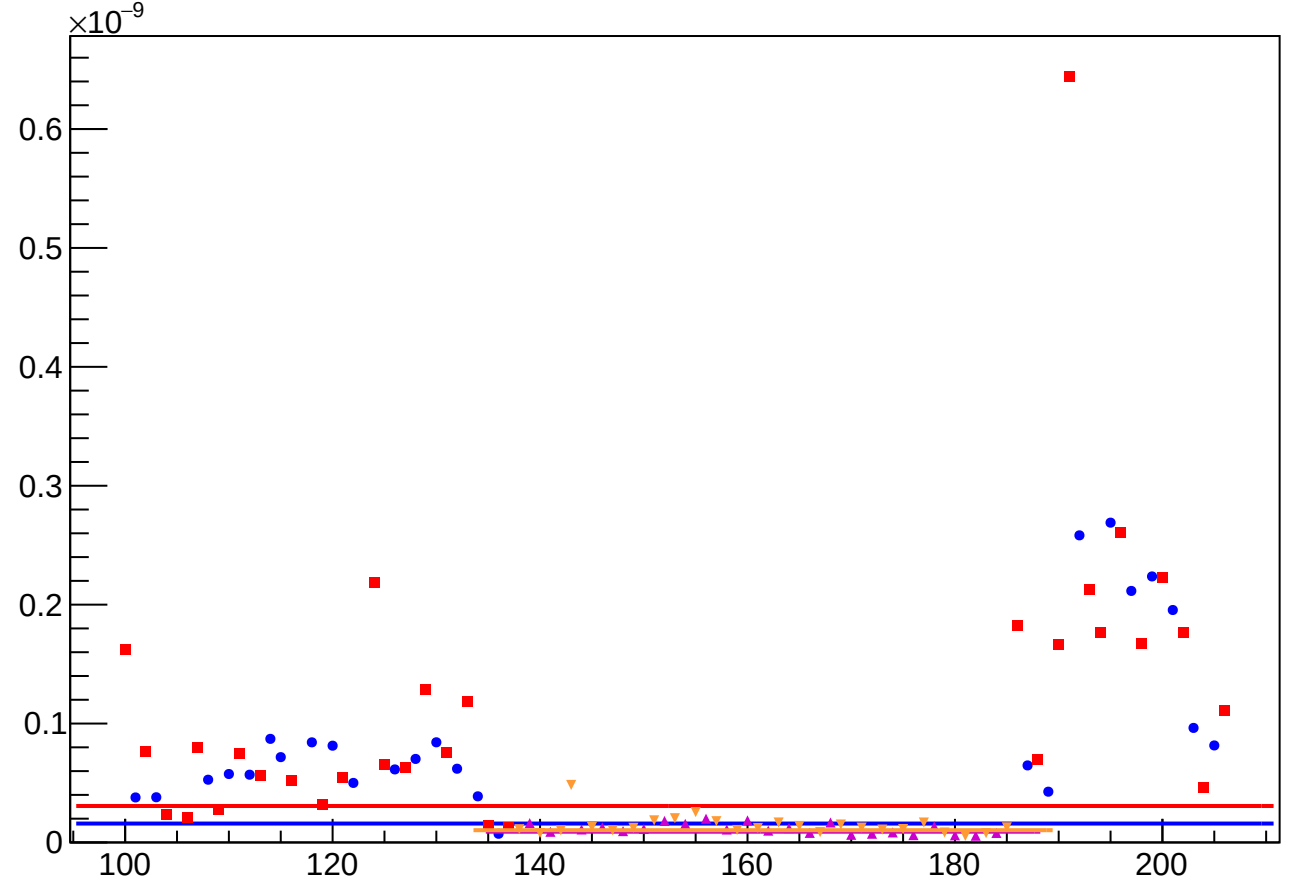
Right Out: 0.000+/-0.000 χ^2/NDF: 35.4/30

Left In: 0.000+/-0.000 χ^2/NDF:15.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.4/49

All: 0.000+/-0.000 χ^2/NDF: 91.2/103

- sign 0.000+/-0.000 χ^2/NDF: 50.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 11107693.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:3643428.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9748024.2/30

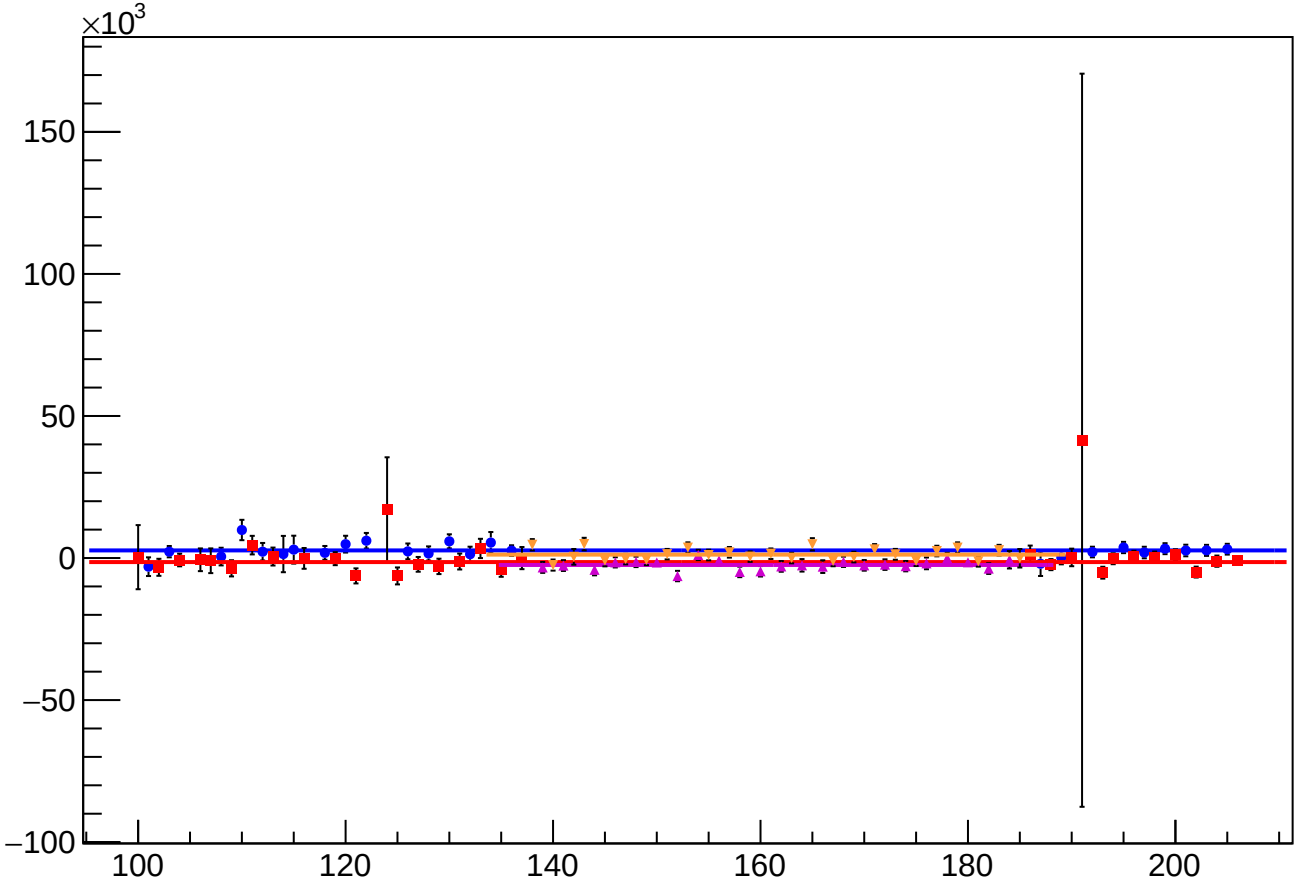
Left In: 0.000+/-0.000 χ^2/NDF:3047861.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 15310622.2/49

All: 0.000+/-0.000 χ^2/NDF: 32530697.8/103

- sign 0.000+/-0.000 χ^2/NDF: 17112581.5/53

reg_asym_atl1r2_avg_mean vs Slug



Right In: 2682.205+/-492.517 χ^2/NDF: 15.4/24

Left Out: 1202.401+/-389.137 χ^2/NDF:26.3/24

Right Out: -1423.780+/-465.741 χ^2/NDF: 27.8/30

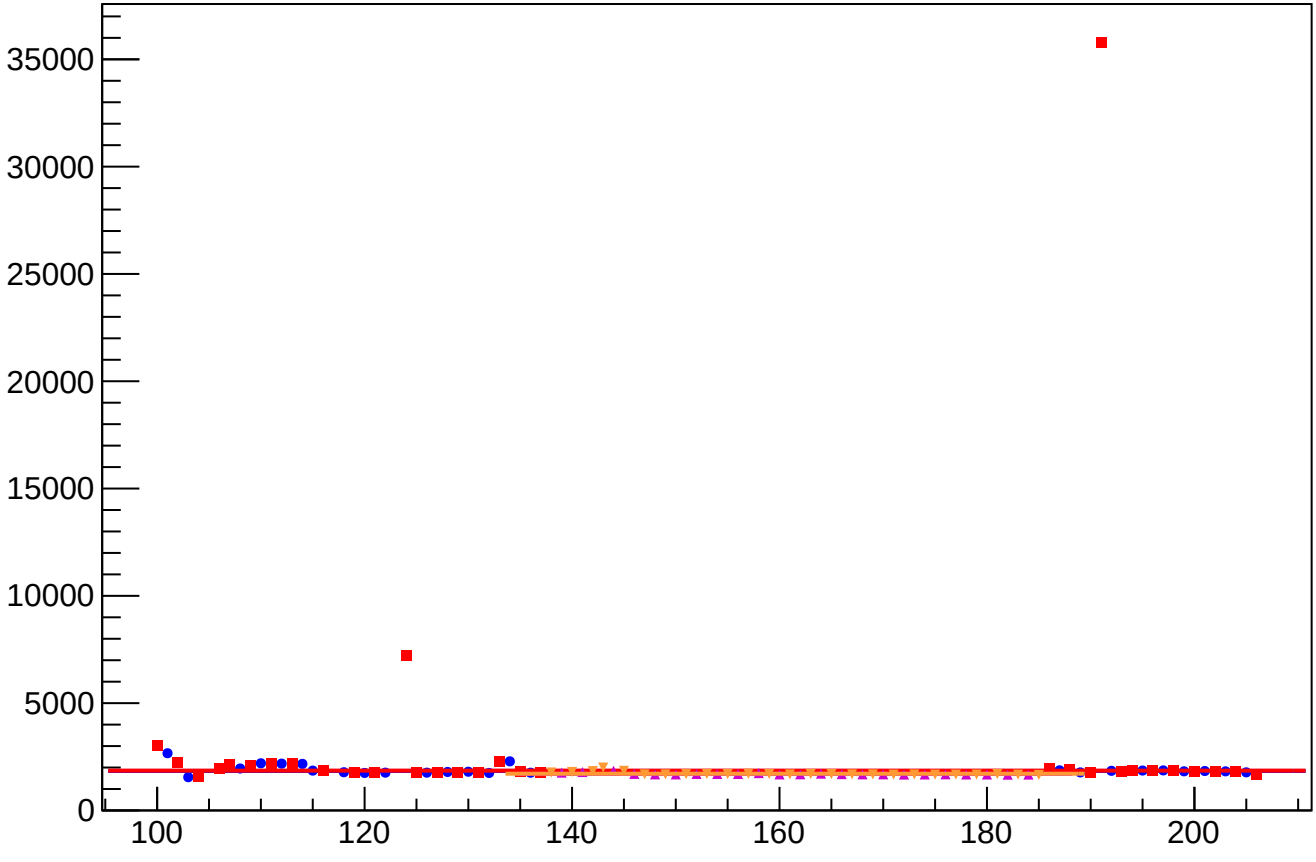
Left In: -2439.008+/-397.969 χ^2/NDF:17.5/22

+ sign 1771.139+/-305.334 χ^2/NDF: 47.3/49

All: -136.987+/-214.915 χ^2/NDF: 172.7/103

- sign -2010.568+/-302.557 χ^2/NDF: 48.0/53

reg_asym_atl1r2_avg_rms vs Slug



Right In: 1841.377+/-0.348 χ^2/NDF: 268959.3/24

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1855.293+/-0.329 χ^2/NDF: 542736.0/30

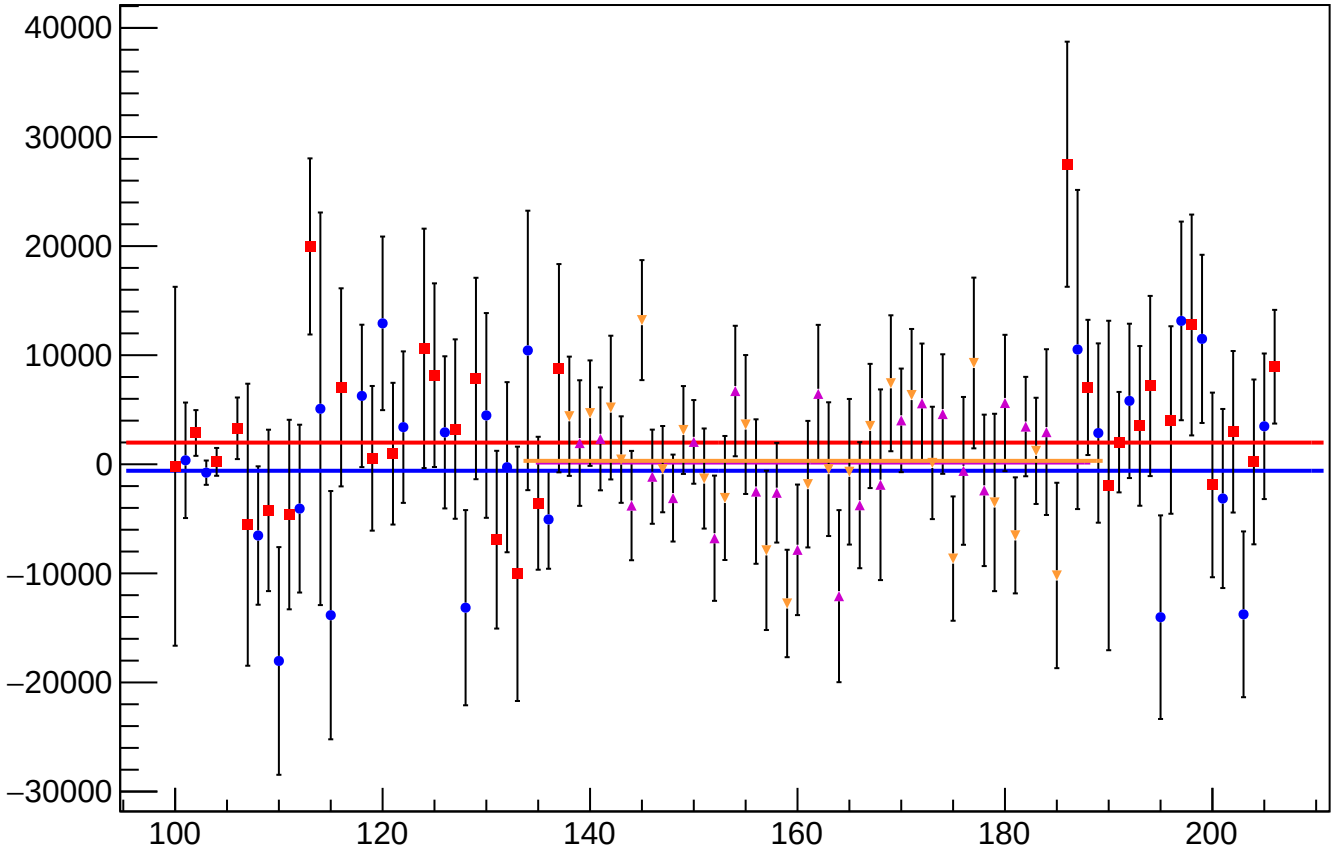
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

\+ sign 1761.586+/-0.216 χ^2/NDF: 414288.0/49

All: 1764.776+/-0.152 χ^2/NDF: 1102200.4/10

\- sign 1767.905+/-0.214 χ^2/NDF: 687480.1/53

asym_atl1r2_avg_reg_correction_mean vs Slug



Right In: -595.522+/-907.985 χ^2/NDF: 25.8/24

Left Out: 314.051+/-1091.976 χ^2/NDF:27.0/24

Right Out: 1986.902+/-838.969 χ^2/NDF: 24.1/30

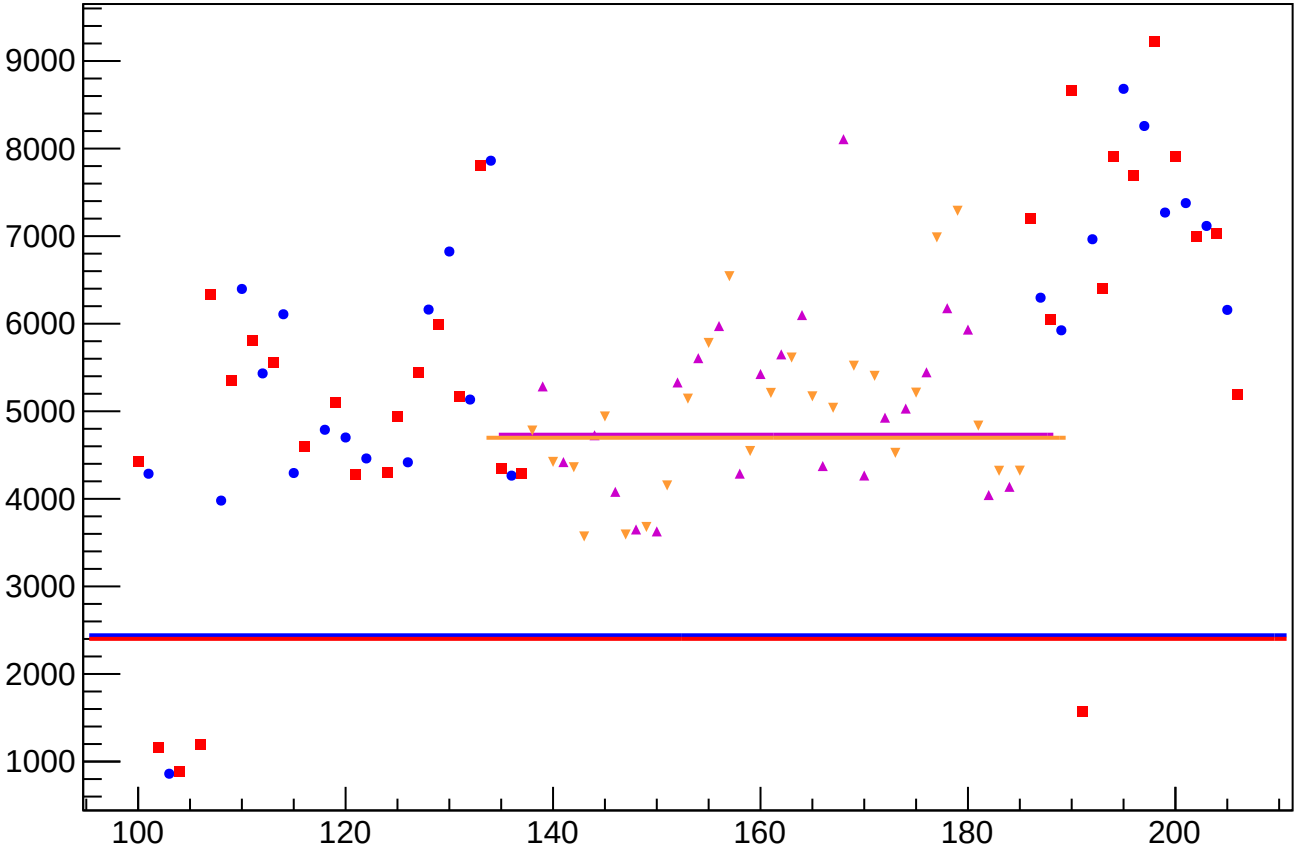
Left In: 157.968+/-1128.443 χ^2/NDF:14.7/22

+ sign -223.711+/-698.160 χ^2/NDF: 53.2/49

All: 584.346+/-484.637 χ^2/NDF: 96.3/103

- sign 1335.832+/-673.278 χ^2/NDF: 40.5/53

asym_atl1r2_avg_reg_correction_rms vs Slug



Right In: 2441.873+/-0.642 χ^2/NDF: 13474136.4/24

Left Out: 4697.622+/-0.772 χ^2/NDF:1239373.0/24

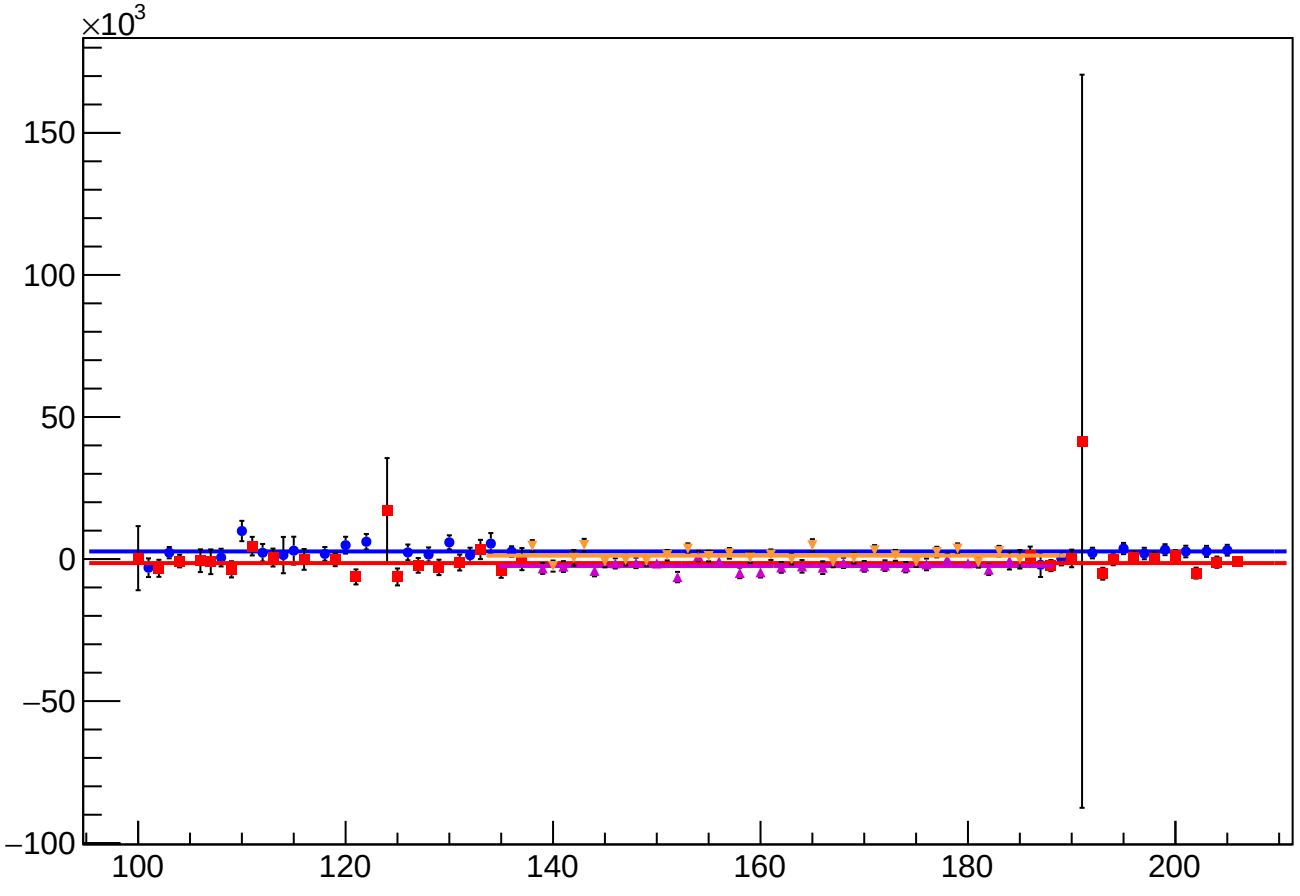
Right Out: 2401.136+/-0.593 χ^2/NDF: 14960774.7/30

Left In: 4732.424+/-0.798 χ^2/NDF:1242793.9/22

+ sign 3363.967+/-0.494 χ^2/NDF: 19759402.1/49

All: 3295.090+/-0.343 χ^2/NDF: 41497965.6/1

- sign 3231.036+/-0.476 χ^2/NDF: 21700995.3/53



Right In: 2682.366+/-492.517 χ^2/NDF: 15.4/24

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1423.221+/-465.741 χ^2/NDF: 27.8/30

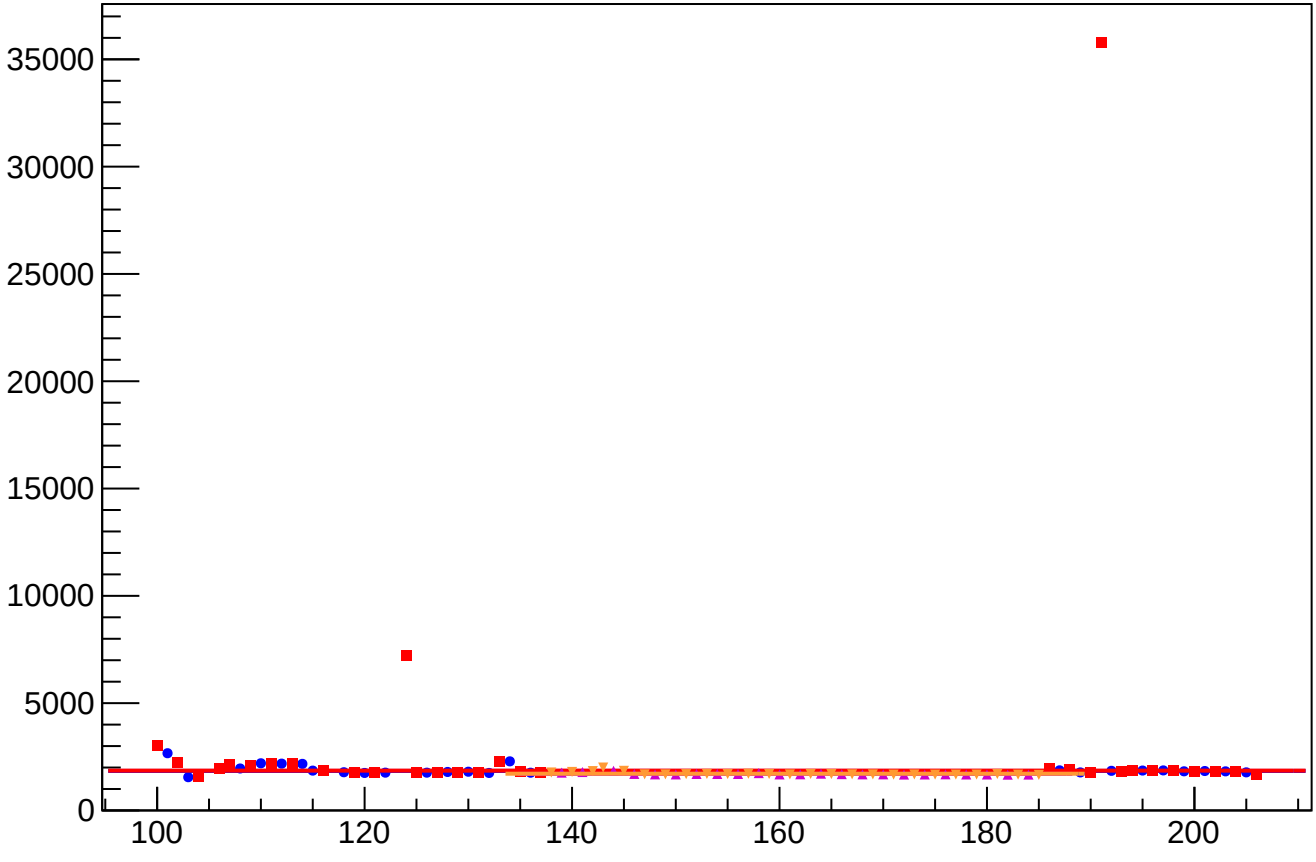
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1771.141+/-305.334 χ^2/NDF: 47.3/49

All: -136.846+/-214.915 χ^2/NDF: 172.7/103

- sign -2010.292+/-302.558 χ^2/NDF: 48.0/53

cor_asym_atl1r2_avg_rms vs Slug



Right In: 1841.377+/-0.348 χ^2/NDF: 268959.2/24

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

Right Out: 1855.486+/-0.329 χ^2/NDF: 543109.0/30

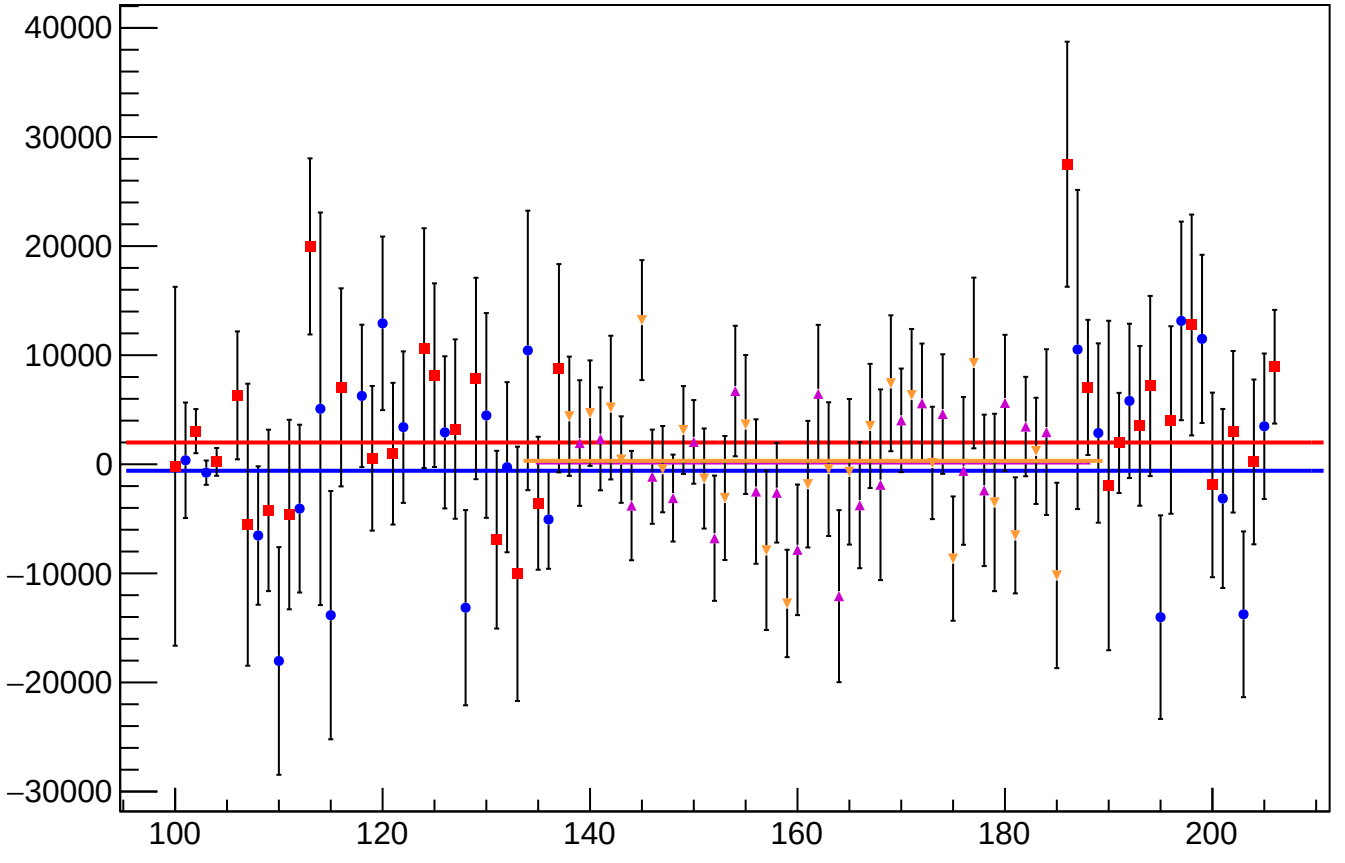
Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1761.586+/-0.216 χ^2/NDF: 414287.9/49

All: 1764.813+/-0.152 χ^2/NDF: 1102880.1/10

- sign 1767.979+/-0.214 χ^2/NDF: 688149.8/53

asym_atl1r2_avg_cor_correction_mean vs Slug



Right In: -595.101+/-907.941 χ^2/NDF: 25.8/24

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1996.393+/-863.455 χ^2/NDF: 24.5/30

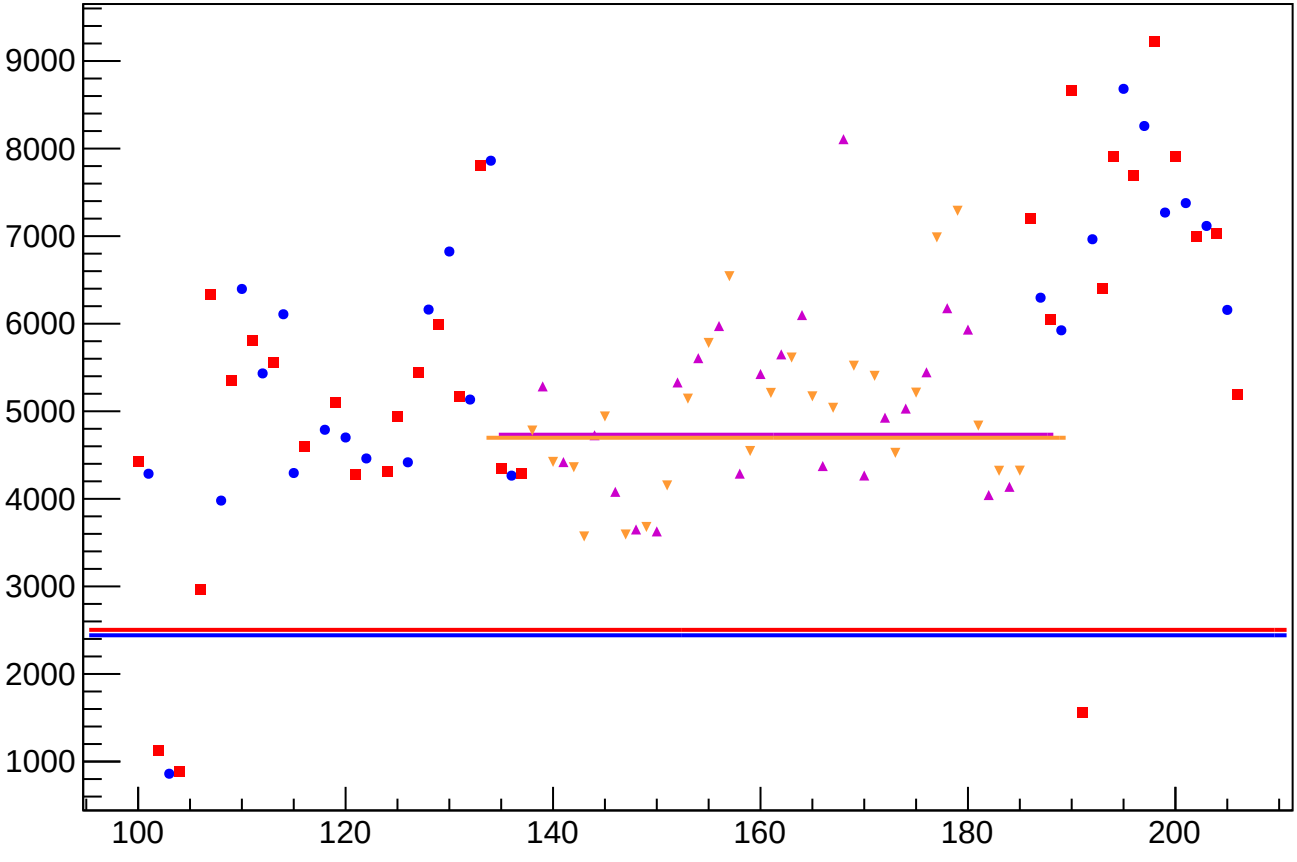
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

+ sign -223.470+/-698.140 χ^2/NDF: 53.2/49

All: 560.825+/-489.216 χ^2/NDF: 96.6/103

- sign 1317.501+/-685.738 χ^2/NDF: 40.9/53

asym_atl1r2_avg_cor_correction_rms vs Slug



Right In: 2441.680+/-0.642 χ^2/NDF: 13475018.4/24

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2503.814+/-0.611 χ^2/NDF: 14683715.9/30

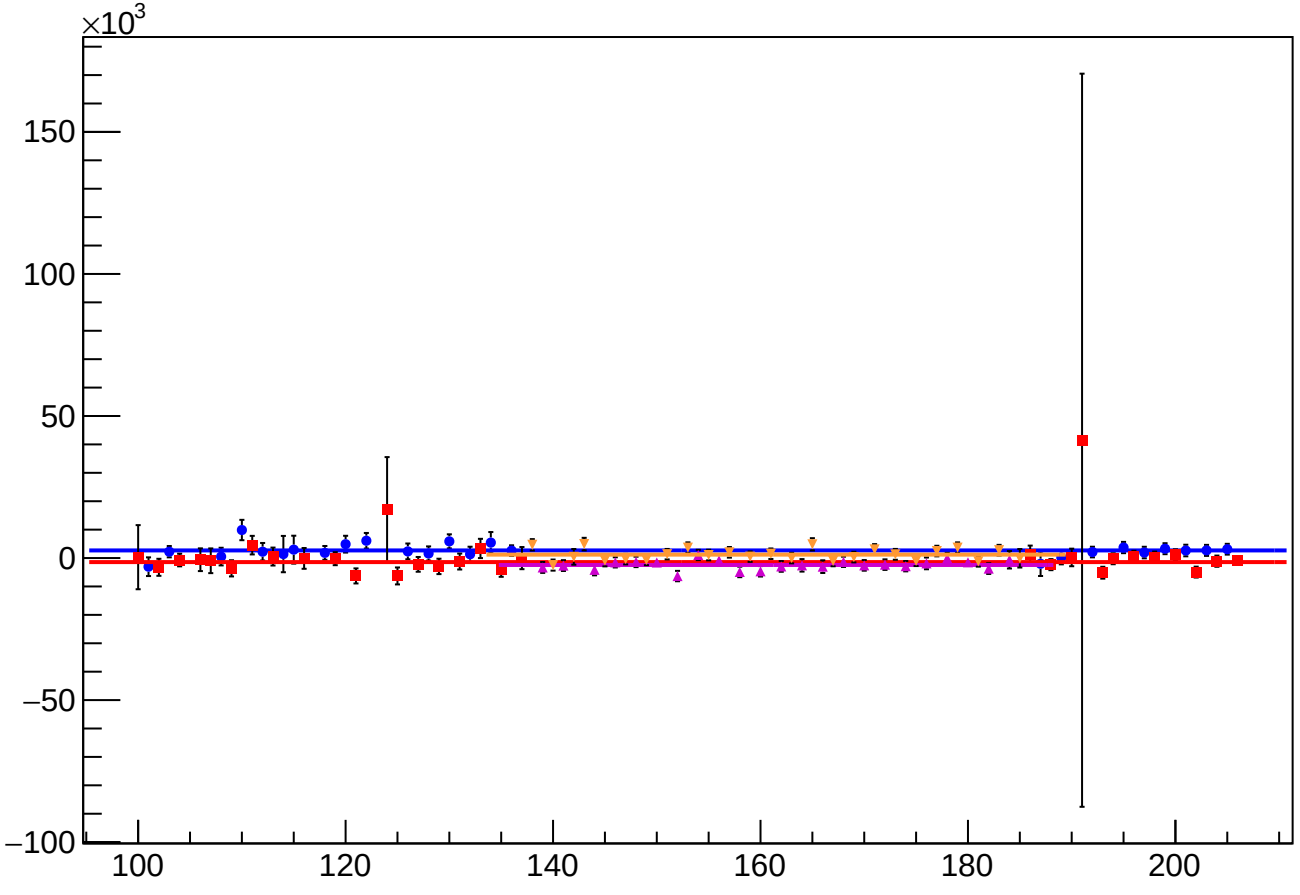
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3363.798+/-0.494 χ^2/NDF: 19761351.6/49

All: 3344.965+/-0.346 χ^2/NDF: 40610834.8/1

- sign 3326.796+/-0.485 χ^2/NDF: 20846623.6/53

eigen_cor_asym_atl1r2_avg_mean vs Slug



Right In: 2682.366+/-492.517 χ^2/NDF: 15.4/24

Left Out: 1202.304+/-389.137 χ^2/NDF:26.3/24

Right Out: -1423.221+/-465.741 χ^2/NDF: 27.8/30

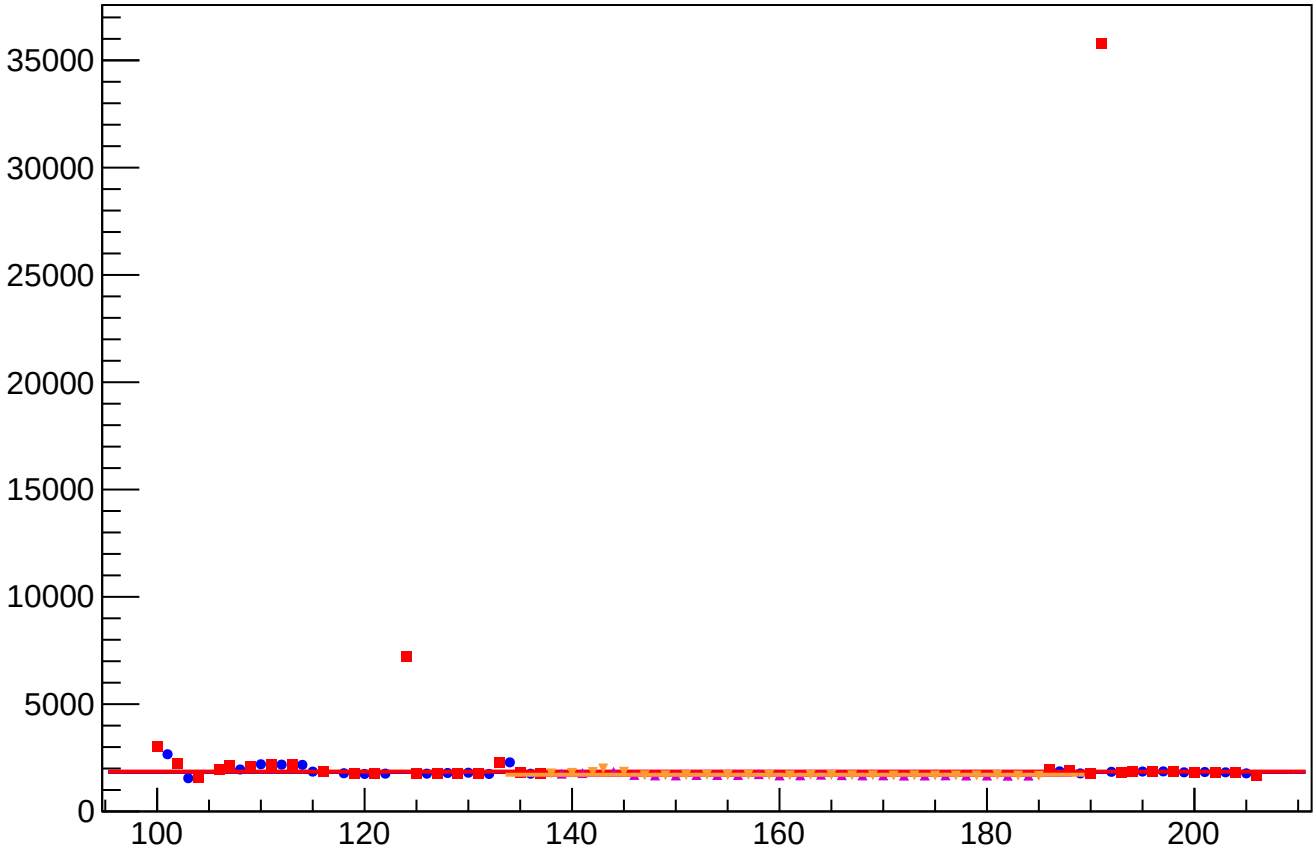
Left In: -2438.940+/-397.969 χ^2/NDF:17.5/22

+ sign 1771.141+/-305.334 χ^2/NDF: 47.3/49

All: -136.846+/-214.915 χ^2/NDF: 172.7/103

- sign -2010.292+/-302.558 χ^2/NDF: 48.0/53

eigen_cor_asym_atl1r2_avg_rms vs Slug



Right In: 1841.377+/-0.348 χ^2/NDF: 268959.2/24

Left Out: 1711.777+/-0.275 χ^2/NDF:60068.7/24

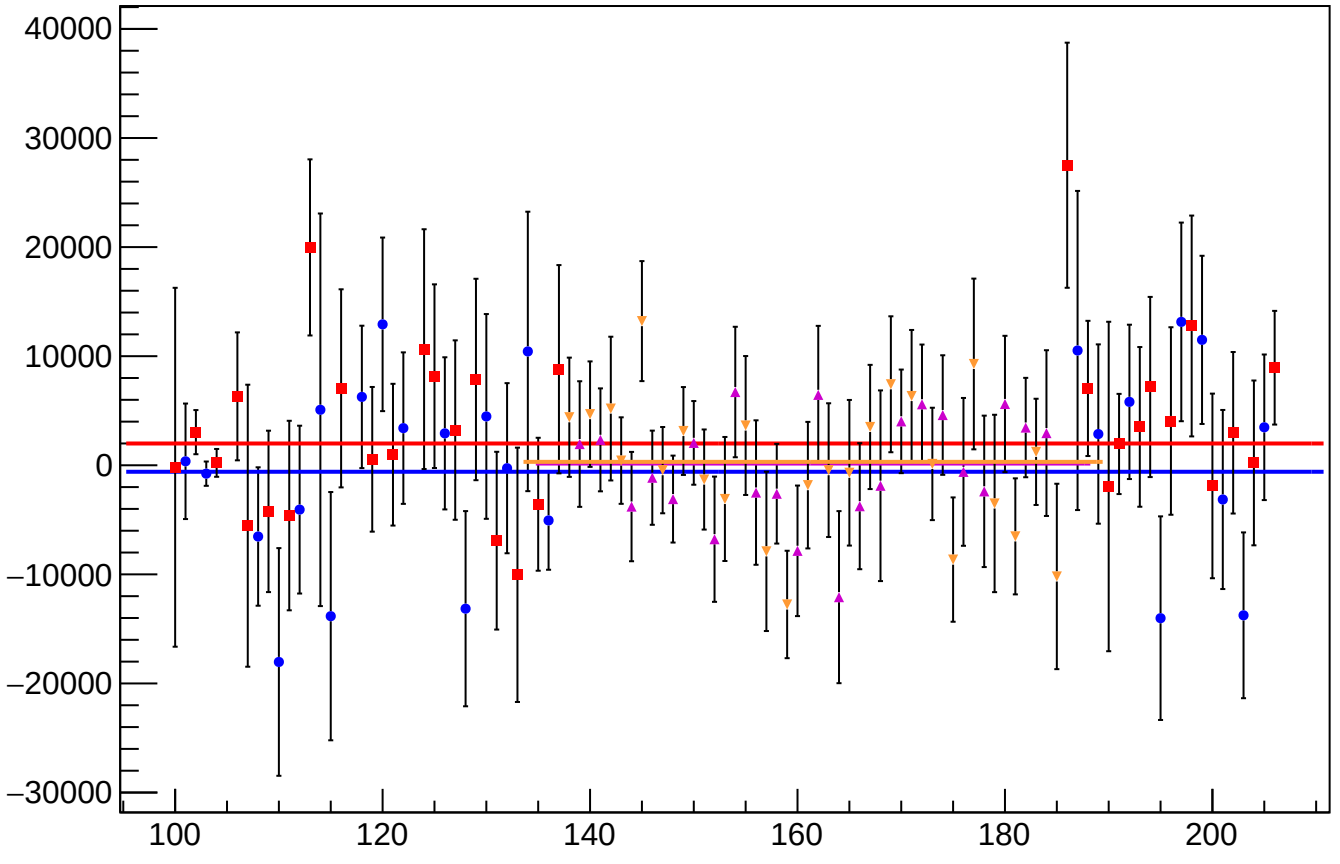
Right Out: 1855.486+/-0.329 χ^2/NDF: 543109.0/30

Left In: 1703.969+/-0.281 χ^2/NDF:22568.8/22

+ sign 1761.586+/-0.216 χ^2/NDF: 414287.9/49

All: 1764.813+/-0.152 χ^2/NDF: 1102880.1/10

- sign 1767.979+/-0.214 χ^2/NDF: 688149.8/53



Right In: -595.101+/-907.941 χ^2/NDF: 25.8/24

Left Out: 314.084+/-1091.975 χ^2/NDF:27.0/24

Right Out: 1996.393+/-863.455 χ^2/NDF: 24.5/30

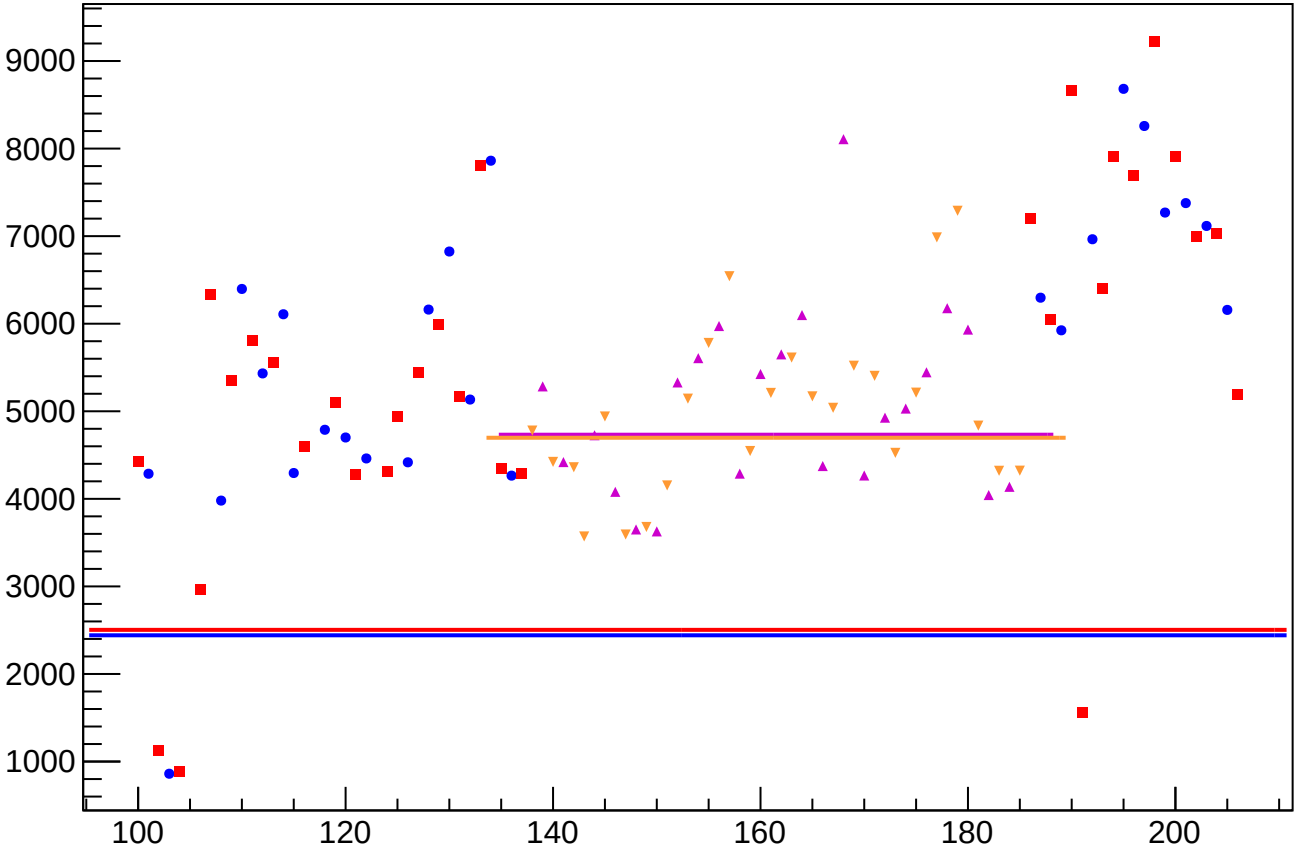
Left In: 157.977+/-1128.443 χ^2/NDF:14.7/22

\+ sign -223.470+/-698.140 χ^2/NDF: 53.2/49

All: 560.825+/-489.216 χ^2/NDF: 96.6/103

\- sign 1317.501+/-685.738 χ^2/NDF: 40.9/53

asym_atl1r2_avg_eigen_cor_correction_rms vs Slug



Right In: 2441.680+/-0.642 χ^2/NDF: 13475018.4/24

Left Out: 4697.618+/-0.772 χ^2/NDF:1239387.1/24

Right Out: 2503.814+/-0.611 χ^2/NDF: 14683715.9/30

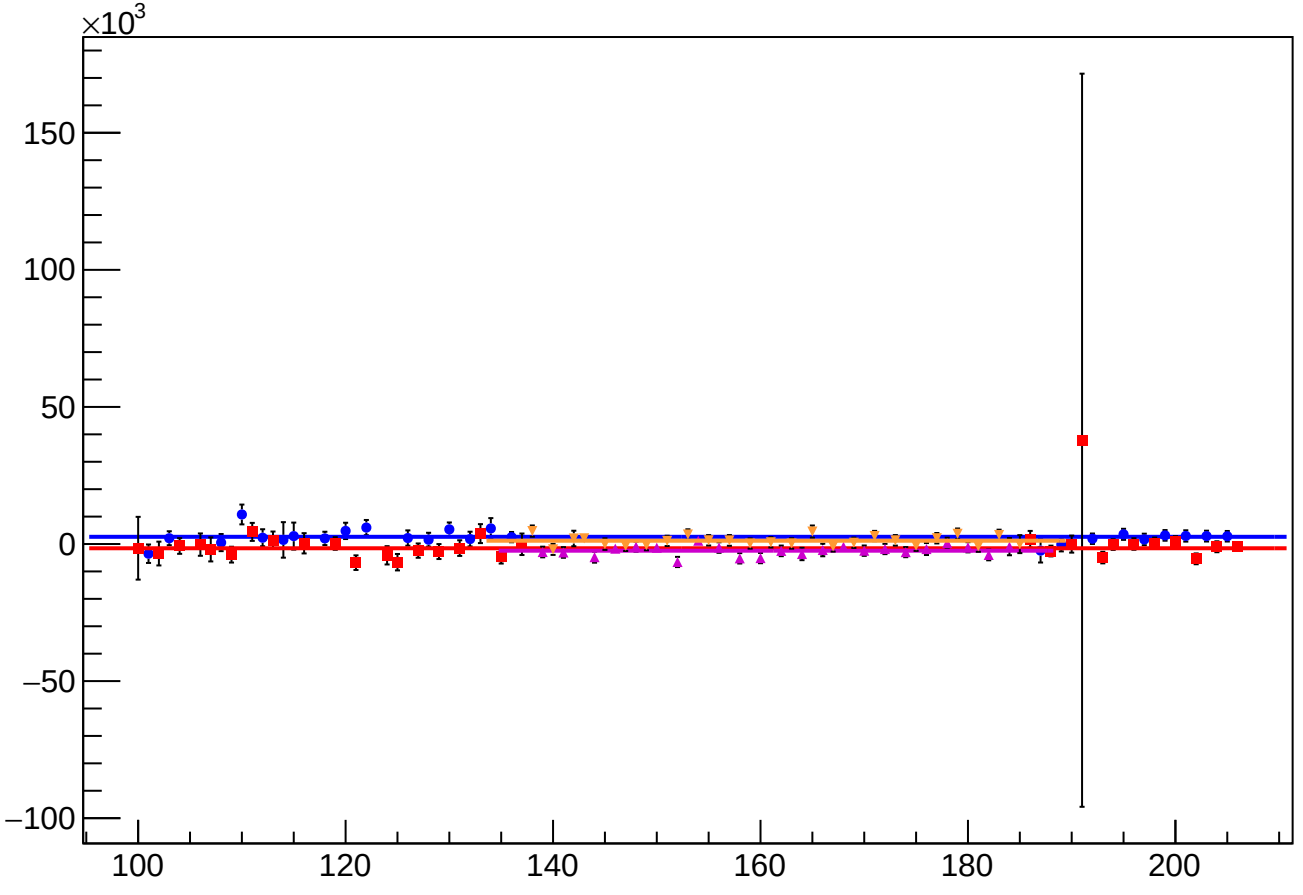
Left In: 4732.421+/-0.798 χ^2/NDF:1242809.3/22

+ sign 3363.798+/-0.494 χ^2/NDF: 19761351.6/49

All: 3344.965+/-0.346 χ^2/NDF: 40610834.8/1

- sign 3326.796+/-0.485 χ^2/NDF: 20846623.6/53

dit_asym_atl1r2_avg_mean vs Slug



Right In: 2628.005+/-504.644 χ^2/NDF: 16.5/24

Left Out: 1197.362+/-392.981 χ^2/NDF:19.5/24

Right Out: -1551.605+/-474.145 χ^2/NDF: 29.4/30

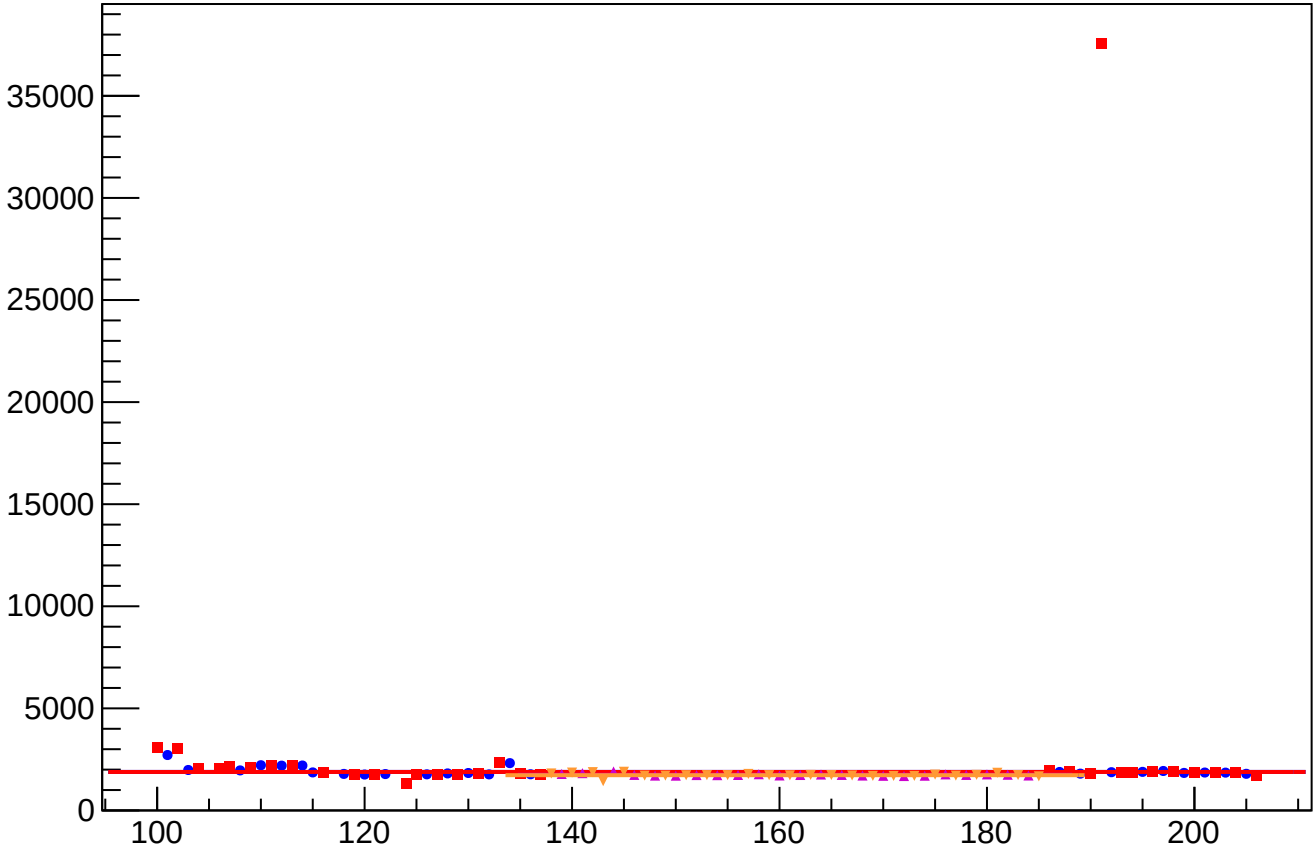
Left In: -2438.062+/-407.551 χ^2/NDF:20.6/22

+ sign 1737.426+/-310.058 χ^2/NDF: 41.0/49

All: -168.062+/-218.893 χ^2/NDF: 168.3/103

- sign -2061.406+/-309.068 χ^2/NDF: 52.0/53

dit_asym_atl1r2_avg_rms vs Slug



Right In: 1887.321+/-0.357 χ^2/NDF: 229587.8/24

Left Out: 1727.235+/-0.278 χ^2/NDF:110270.9/24

Right Out: 1885.339+/-0.335 χ^2/NDF: 520747.3/30

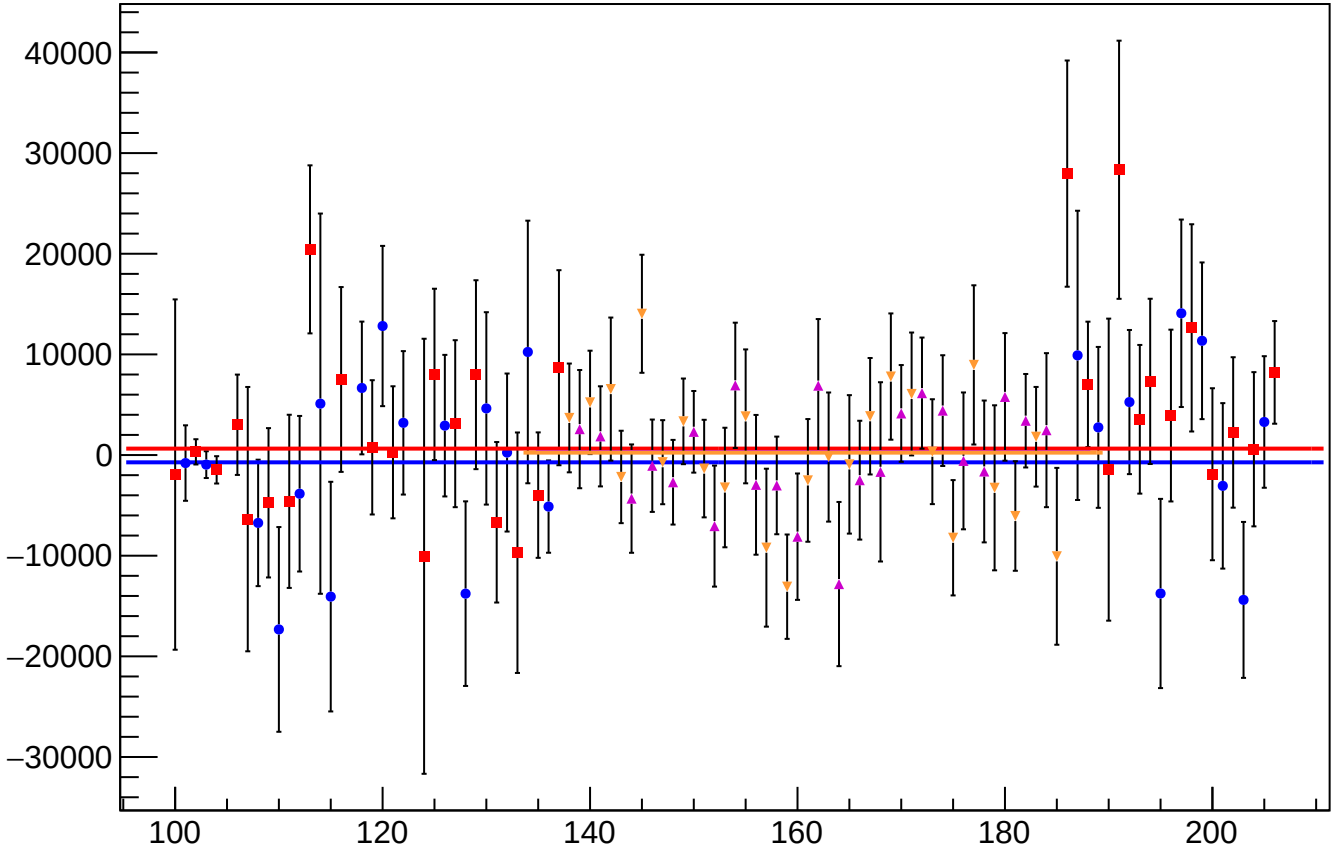
Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1787.667+/-0.219 χ^2/NDF: 465146.3/49

All: 1796.083+/-0.155 χ^2/NDF: 1116962.3/10

- sign 1804.443+/-0.219 χ^2/NDF: 648878.8/53

asym_atl1r2_avg_dit_correction_mean vs Slug



Right In: -723.759+/-998.138 χ^2/NDF: 25.8/24

Left Out: 241.131+/-1140.961 χ^2/NDF:26.7/24

Right Out: 638.888+/-785.760 χ^2/NDF: 30.9/30

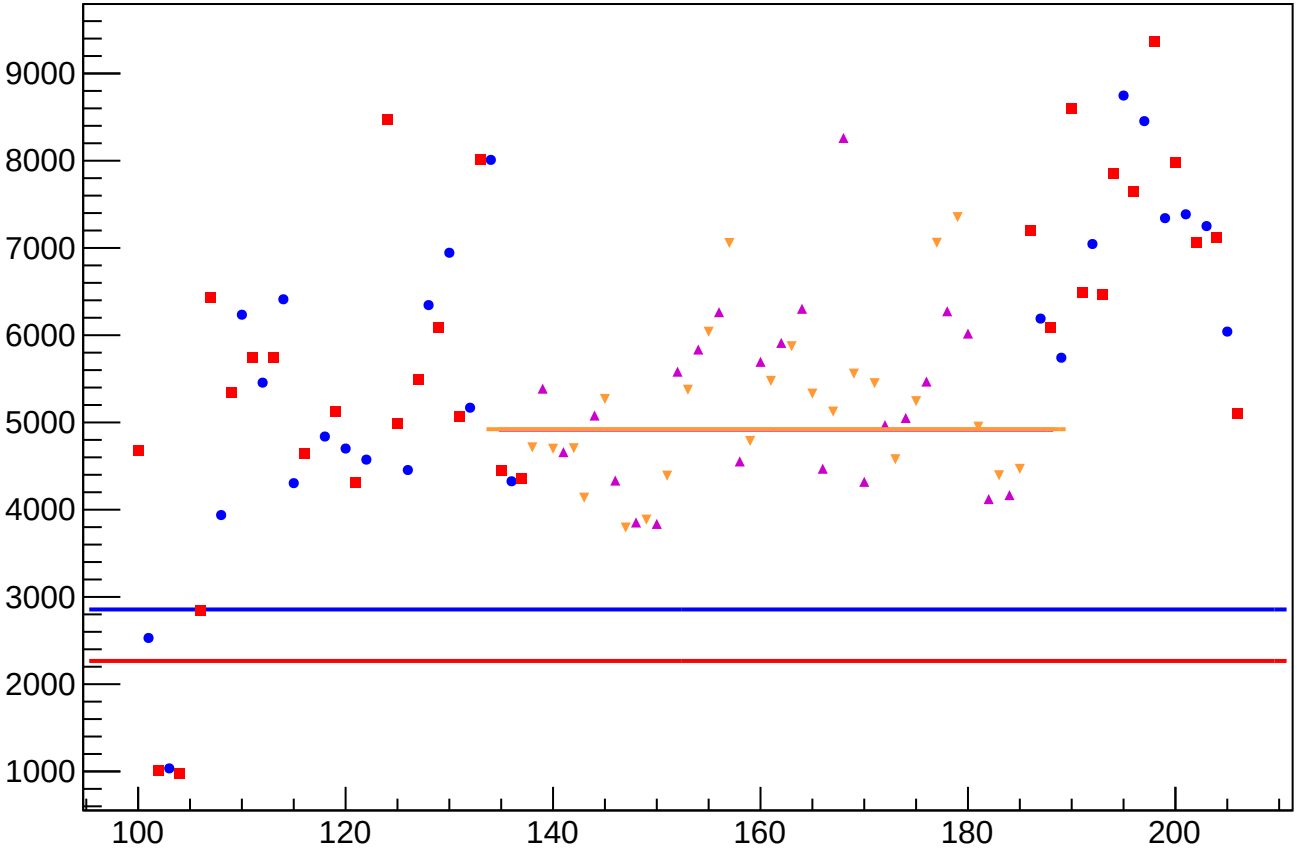
Left In: 306.106+/-1171.019 χ^2/NDF:14.5/22

+ sign -305.451+/-751.241 χ^2/NDF: 52.9/49

All: 173.939+/-492.617 χ^2/NDF: 99.1/103

- sign 535.572+/-652.482 χ^2/NDF: 45.5/53

asym_atl1r2_avg_dit_correction_rms vs Slug



Right In: 2856.406+/-0.706 χ^2/NDF: 11178184.8/24

Left Out: 4922.380+/-0.807 χ^2/NDF:1050408.0/24

Right Out: 2266.232+/-0.556 χ^2/NDF: 16025181.6/30

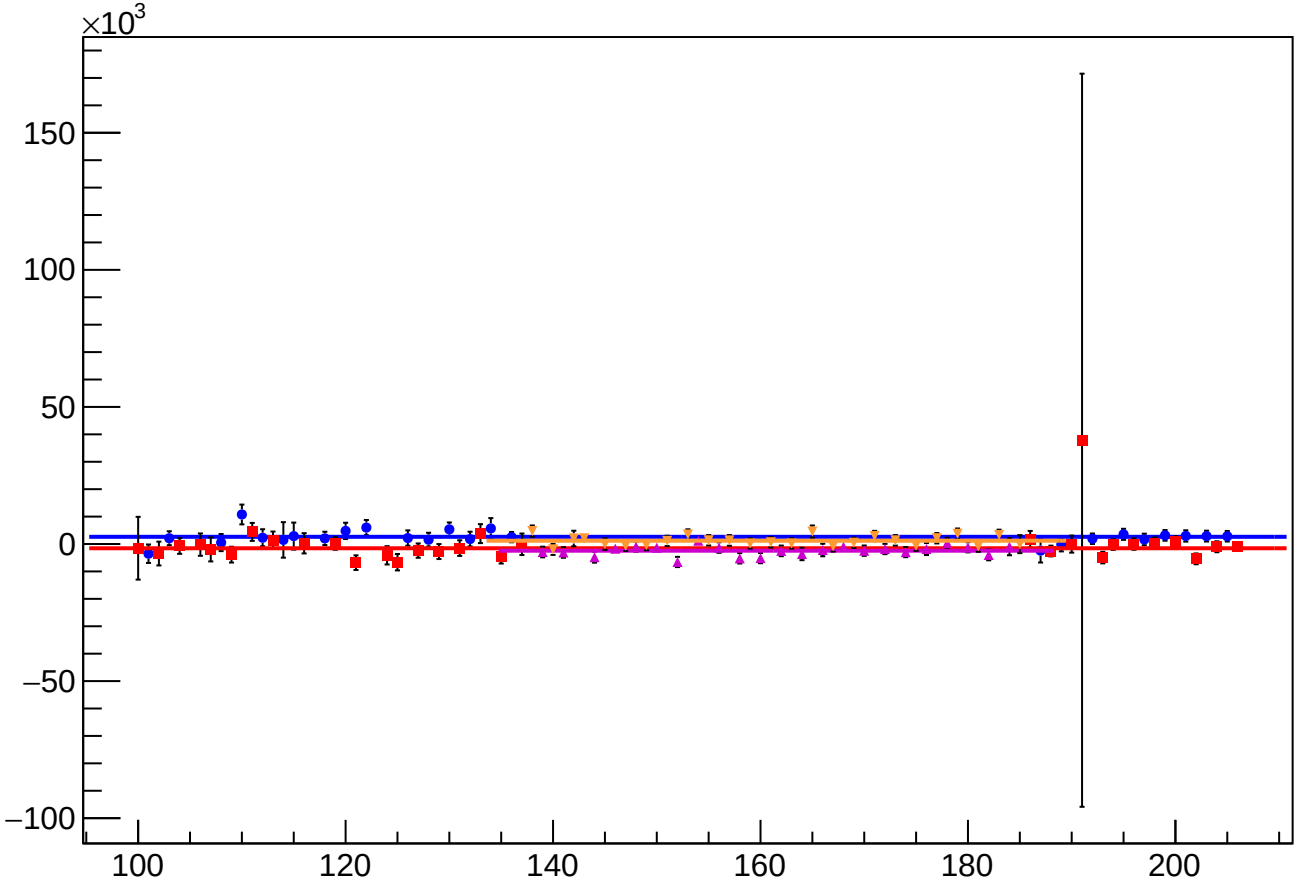
Left In: 4916.964+/-0.828 χ^2/NDF:1161642.5/22

+ sign 3752.065+/-0.531 χ^2/NDF: 15943229.8/49

All: 3374.218+/-0.348 χ^2/NDF: 41083957.4/1

- sign 3089.185+/-0.461 χ^2/NDF: 24253119.3/53

eigen_dit_asym_atl1r2_avg_mean vs Slug



Right In: 2628.003+/-504.644 χ^2/NDF: 16.5/24

Left Out: 1197.356+/-392.981 χ^2/NDF:19.5/24

Right Out: -1551.605+/-474.145 χ^2/NDF: 29.4/30

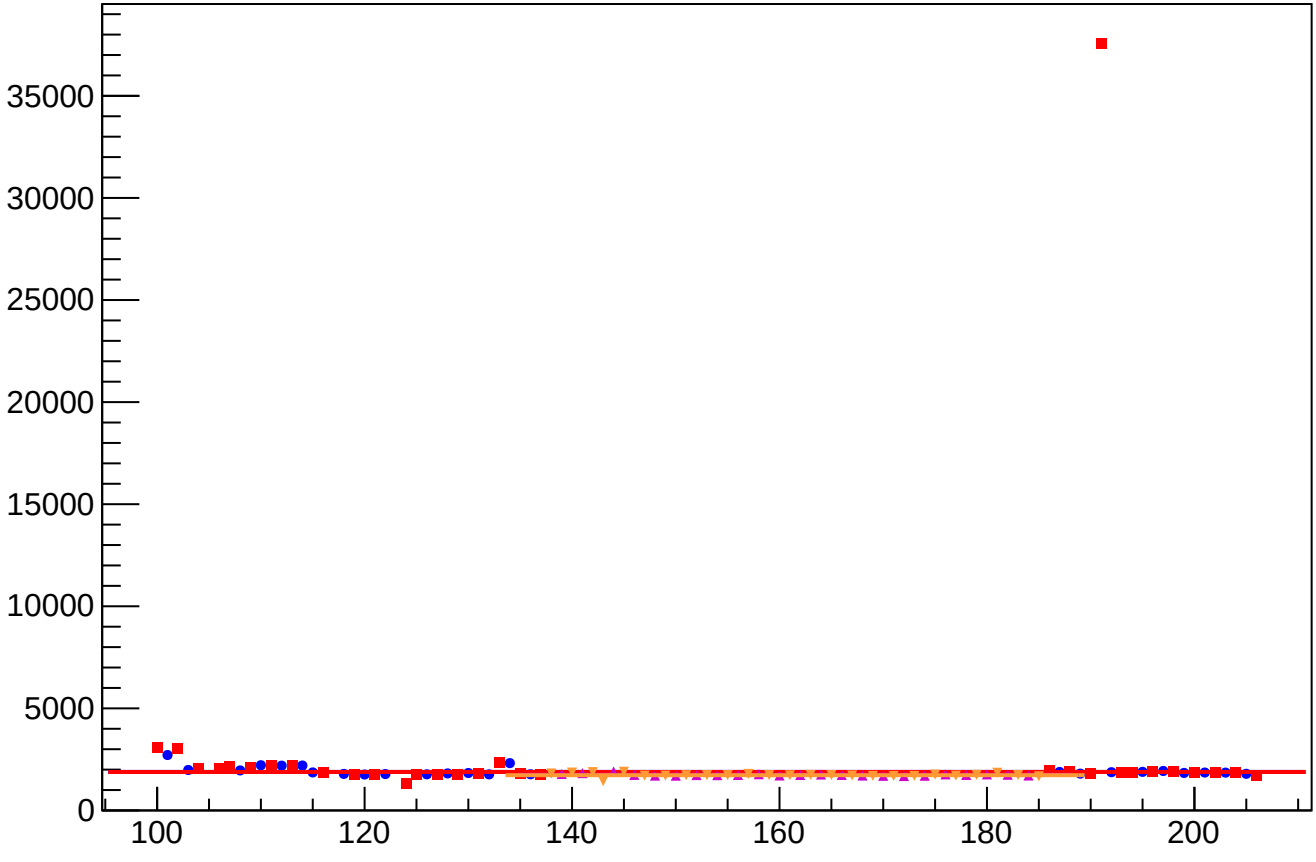
Left In: -2438.062+/-407.552 χ^2/NDF:20.6/22

+ sign 1737.422+/-310.058 χ^2/NDF: 41.0/49

All: -168.064+/-218.893 χ^2/NDF: 168.3/103

- sign -2061.406+/-309.068 χ^2/NDF: 52.0/53

eigen_dit_asym_atl1r2_avg_rms vs Slug



Right In: 1887.321+/-0.357 χ^2/NDF: 229587.9/24

Left Out: 1727.236+/-0.278 χ^2/NDF:110269.9/24

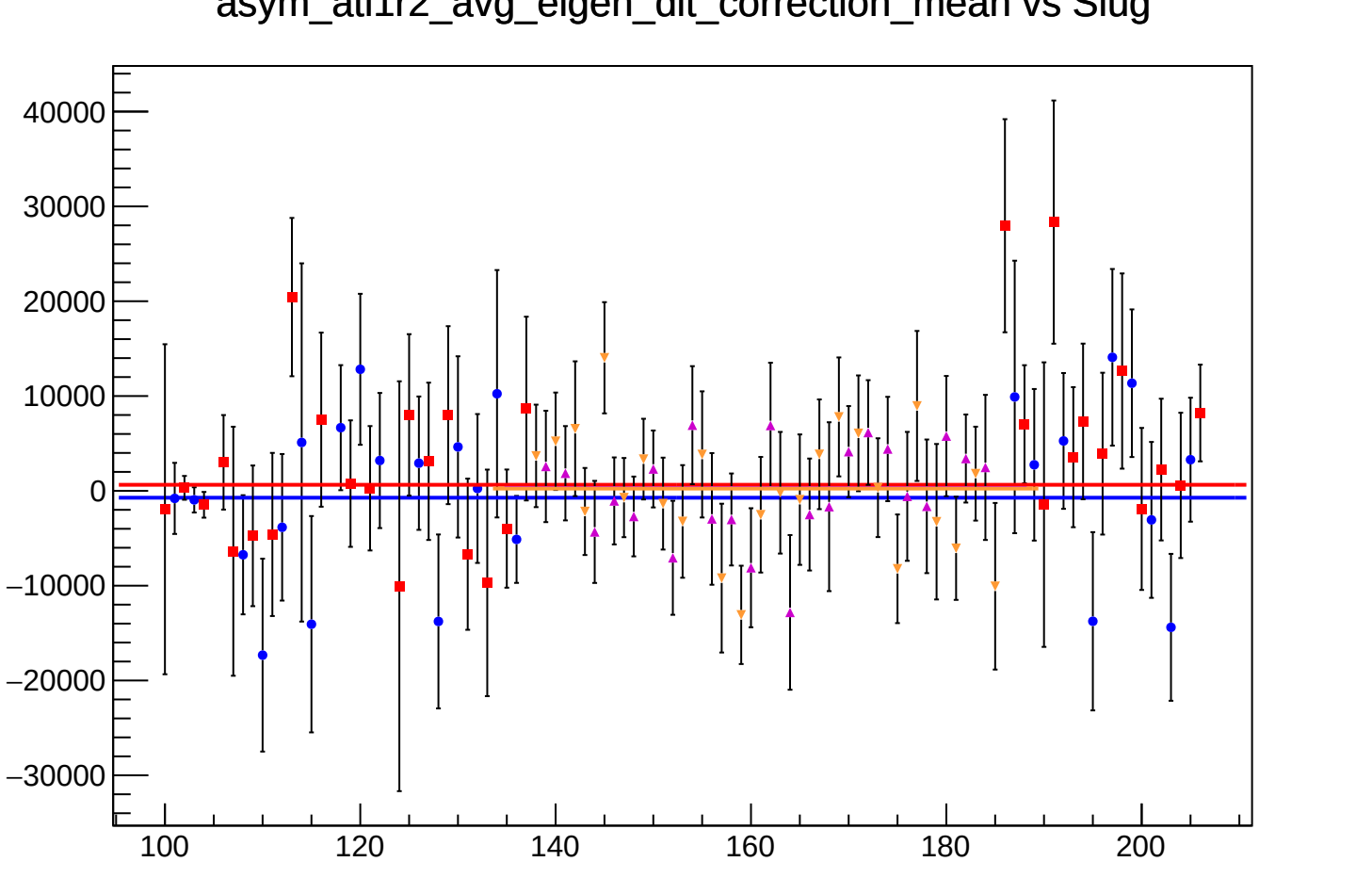
Right Out: 1885.338+/-0.335 χ^2/NDF: 520746.1/30

Left In: 1744.633+/-0.288 χ^2/NDF:26798.0/22

+ sign 1787.667+/-0.219 χ^2/NDF: 465143.4/49

All: 1796.083+/-0.155 χ^2/NDF: 1116957.0/10

- sign 1804.443+/-0.219 χ^2/NDF: 648876.3/53



Right In: -723.757+/-998.137 χ^2/NDF: 25.8/24

Left Out: 241.128+/-1140.962 χ^2/NDF:26.7/24

Right Out: 638.892+/-785.759 χ^2/NDF: 30.9/30

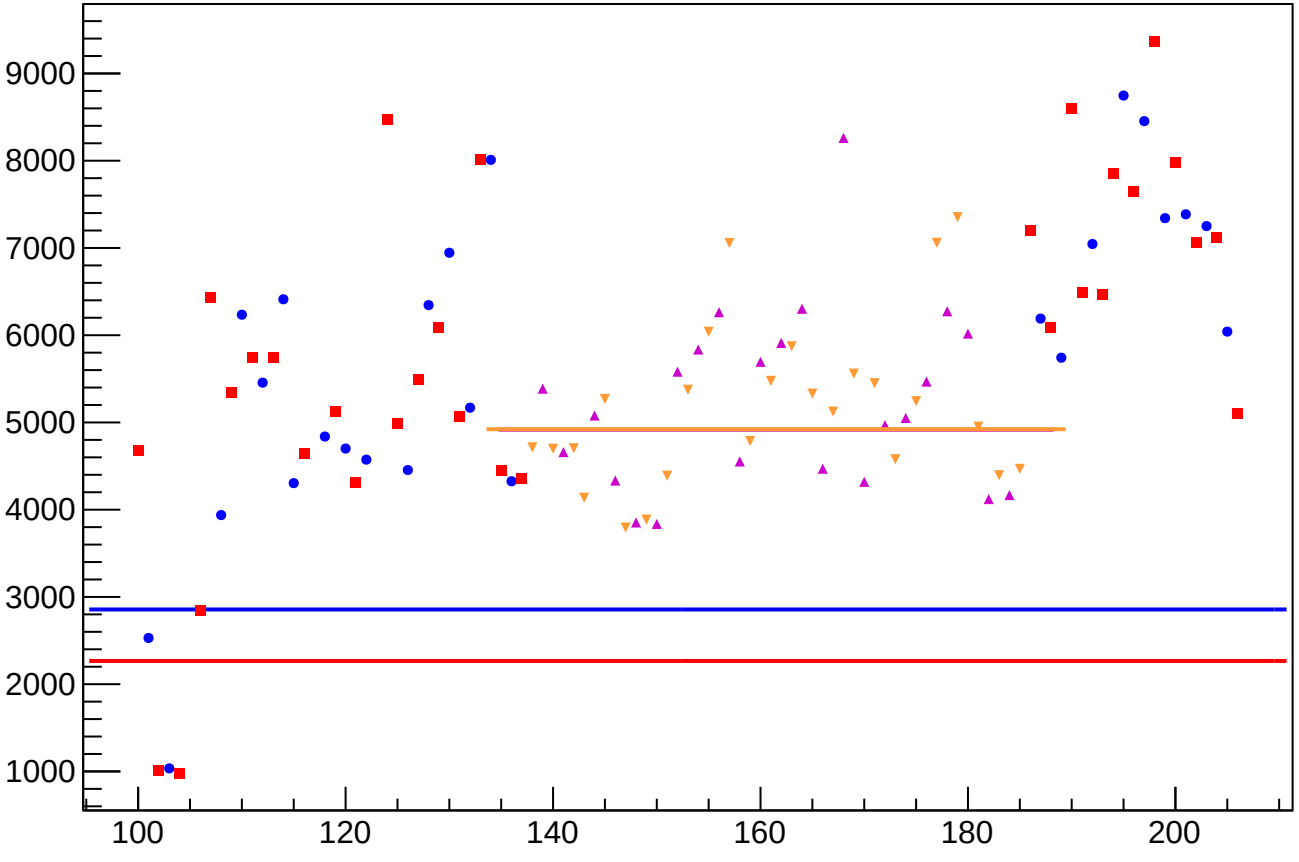
Left In: 306.109+/-1171.021 χ^2/NDF:14.5/22

+ sign -305.453+/-751.242 χ^2/NDF: 52.9/49

All: 173.941+/-492.617 χ^2/NDF: 99.1/103

- sign 535.576+/-652.482 χ^2/NDF: 45.5/53

asym_atl1r2_avg_eigen_dit_correction_rms vs Slug



Right In: 2856.404+/-0.706 χ^2/NDF: 11178190.0/24

Left Out: 4922.388+/-0.807 χ^2/NDF:1050409.4/24

Right Out: 2266.231+/-0.556 χ^2/NDF: 16025181.7/30

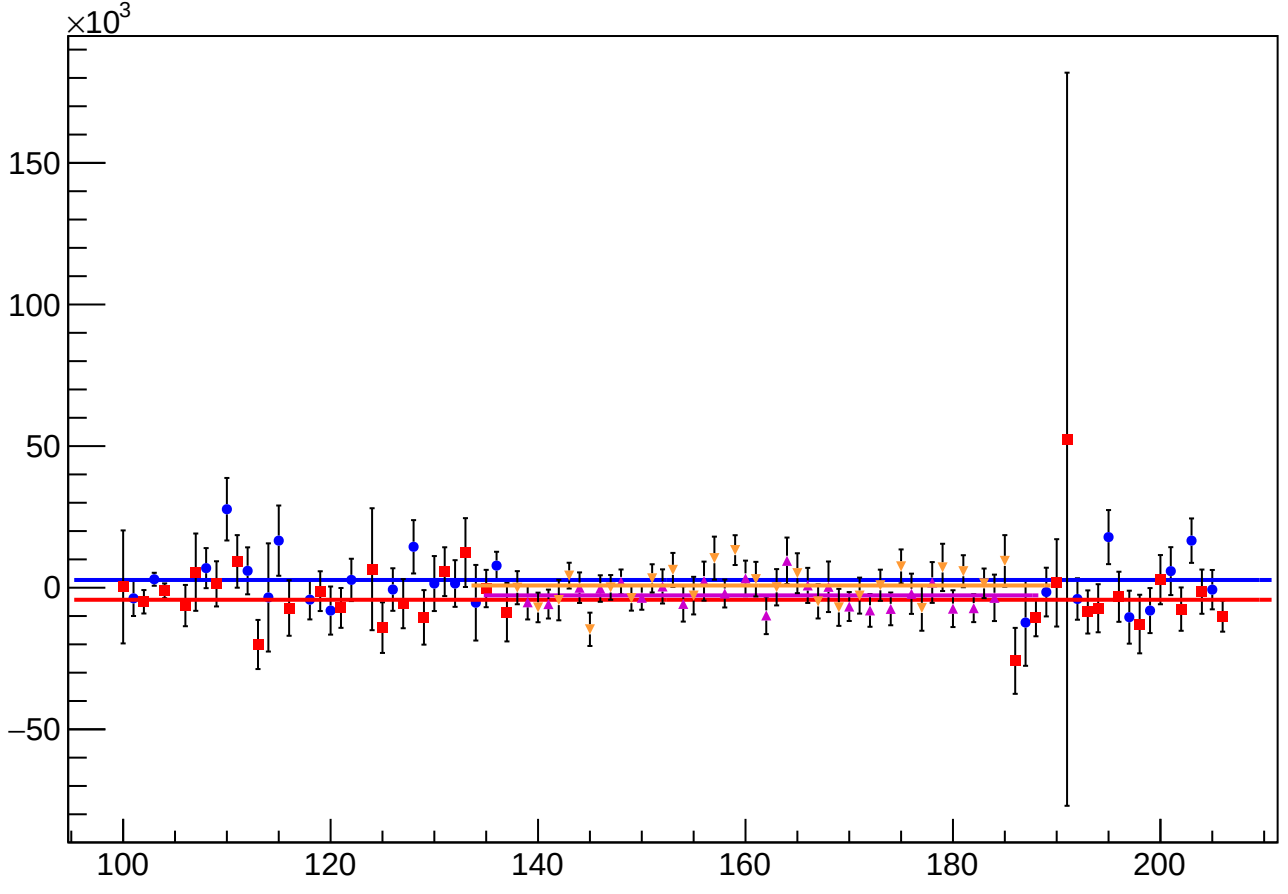
Left In: 4916.972+/-0.828 χ^2/NDF:1161645.9/22

+ sign 3752.065+/-0.531 χ^2/NDF: 15943266.7/49

All: 3374.217+/-0.348 χ^2/NDF: 41084033.1/1

- sign 3089.185+/-0.461 χ^2/NDF: 24253155.9/53

asym_atl1r2_avg_mean vs Slug



Right In: 2731.593+/-1351.259 χ^2/NDF: 25.8/24

Left Out: 787.965+/-1171.964 χ^2/NDF:27.6/24

Right Out: -4257.631+/-1309.123 χ^2/NDF: 22.1/30

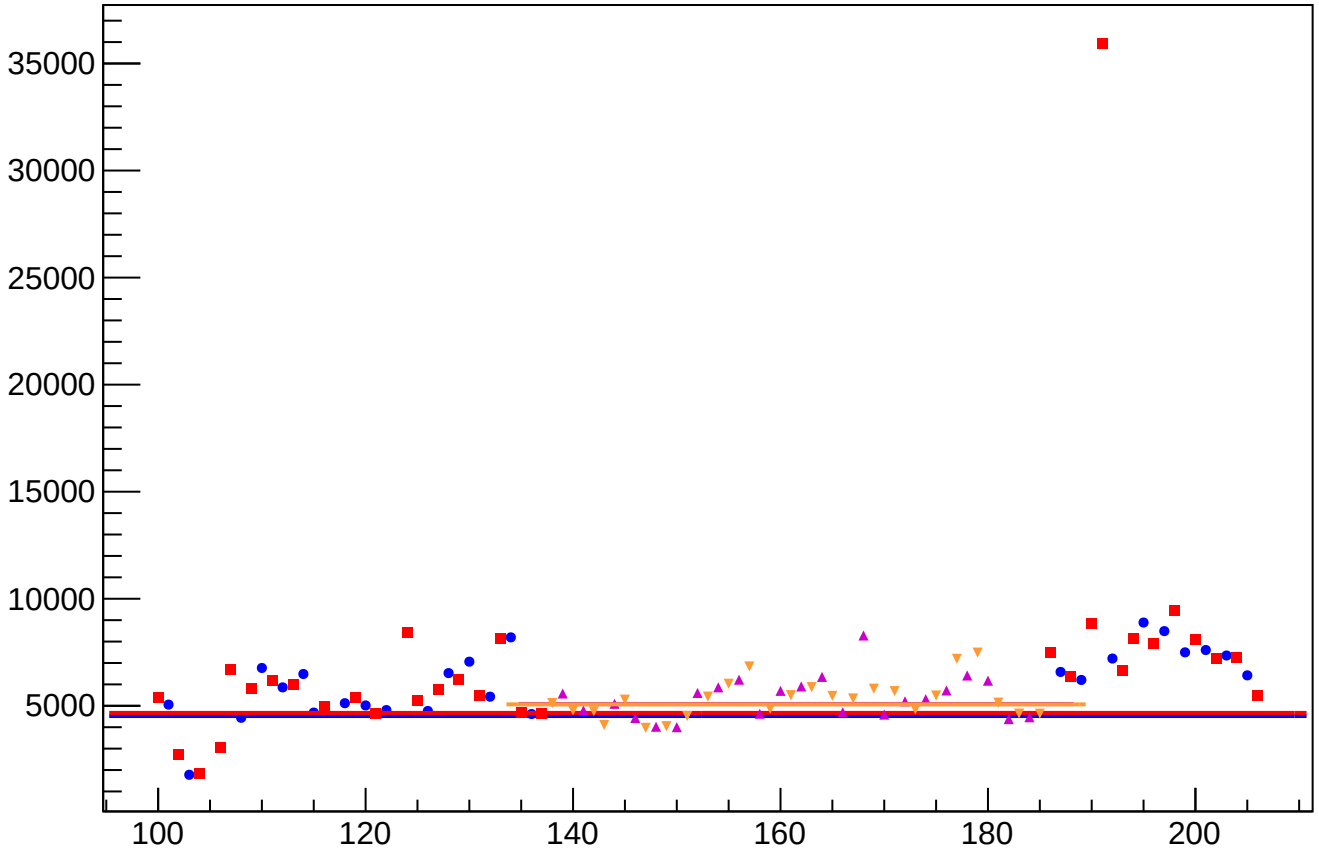
Left In: -2705.532+/-1206.281 χ^2/NDF:11.9/22

+ sign 1622.363+/-885.357 χ^2/NDF: 54.6/49

All: -892.972+/-626.658 χ^2/NDF: 105.6/103

- sign -3418.230+/-887.102 χ^2/NDF: 34.8/53

asym_atl1r2_avg_rms vs Slug



Right In: 4522.821+/-0.955 χ^2/NDF: 5581523.9/24

Left Out: 5067.898+/-0.829 χ^2/NDF:954253.8/24

Right Out: 4668.277+/-0.919 χ^2/NDF: 5959287.4/30

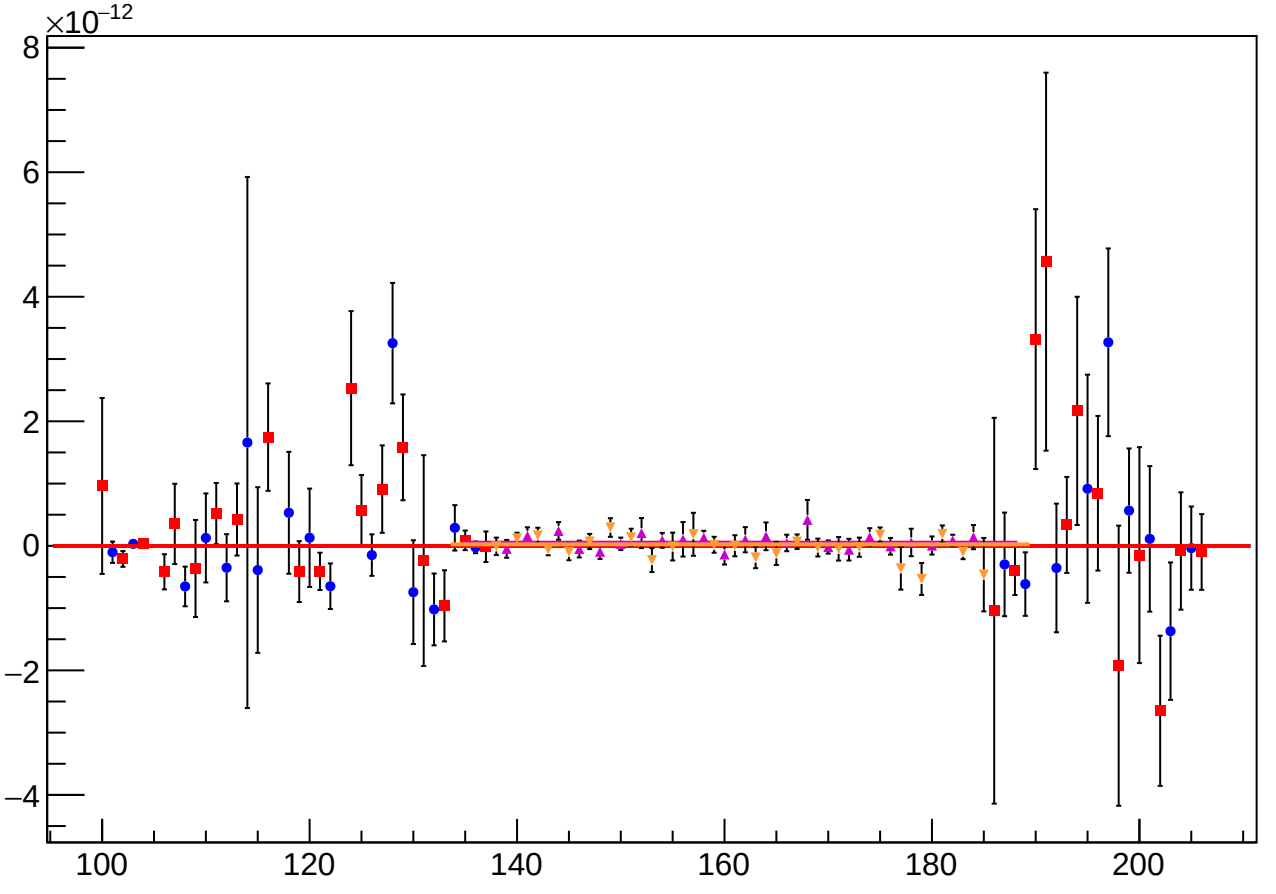
Left In: 5079.715+/-0.853 χ^2/NDF:1001241.5/22

+ sign 4833.897+/-0.626 χ^2/NDF: 6721505.3/49

All: 4861.648+/-0.442 χ^2/NDF: 13793624.9/1

- sign 4889.326+/-0.625 χ^2/NDF: 7068194.9/53

asym_atl1r2_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:23.6/24

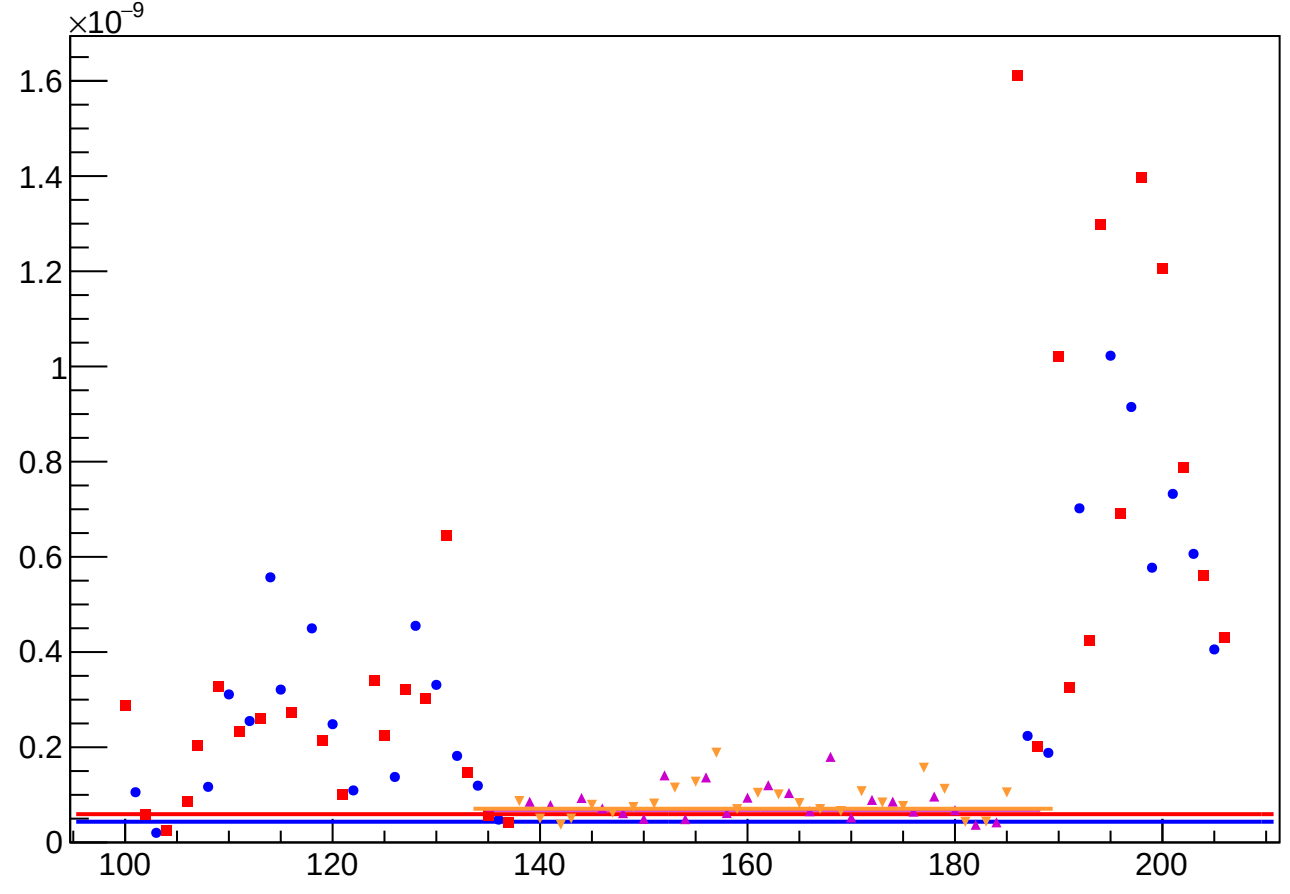
Right Out: -0.000+/-0.000 χ^2/NDF: 41.8/30

Left In: 0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.9/49

All: 0.000+/-0.000 χ^2/NDF: 112.1/103

- sign 0.000+/-0.000 χ^2/NDF: 53.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 7871975.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:1489228.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9716193.7/30

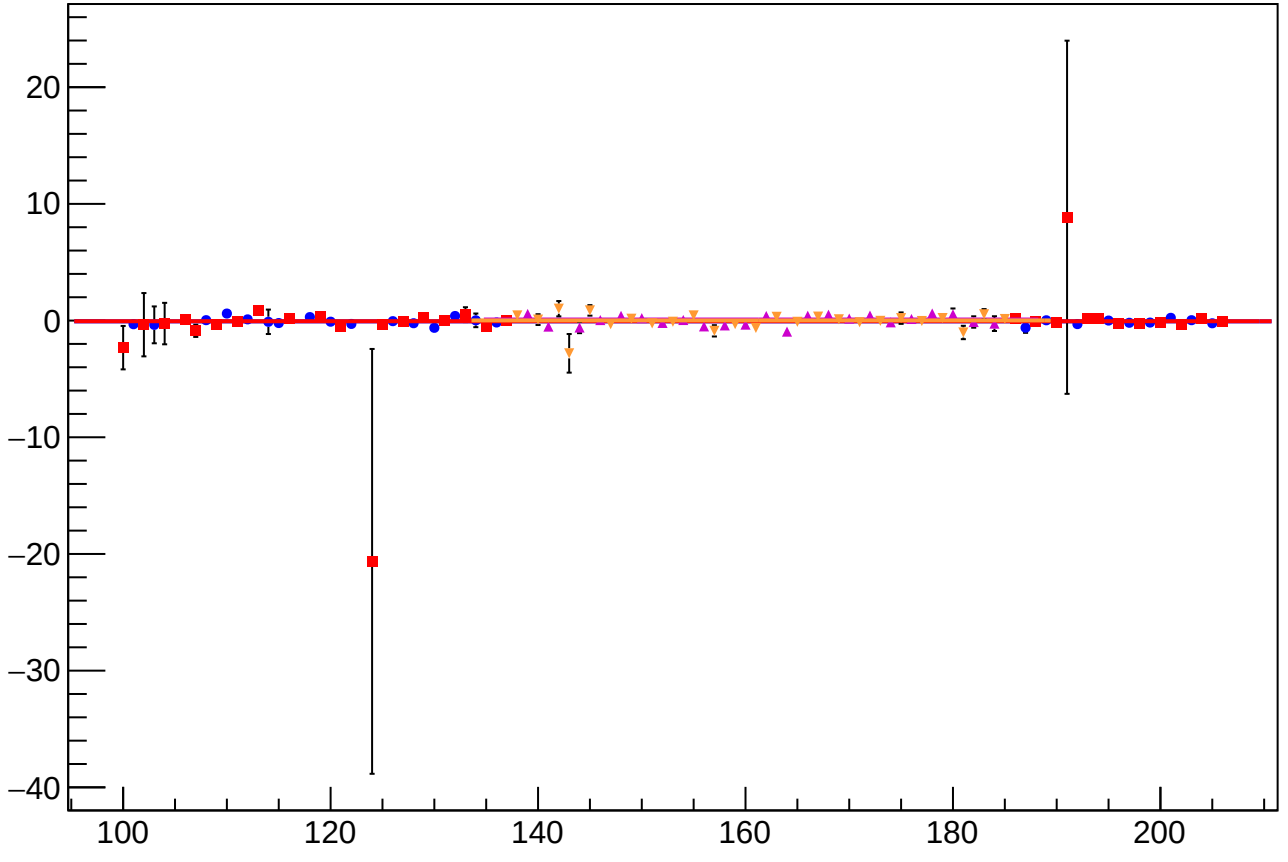
Left In: 0.000+/-0.000 χ^2/NDF:1432116.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10059658.1/49

All: 0.000+/-0.000 χ^2/NDF: 21332209.4/103

- sign 0.000+/-0.000 χ^2/NDF: 11211472.8/53

asym_atl1r2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.068+/-0.060 χ^2/NDF: 16.4/24

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.055+/-0.050 χ^2/NDF: 29.7/30

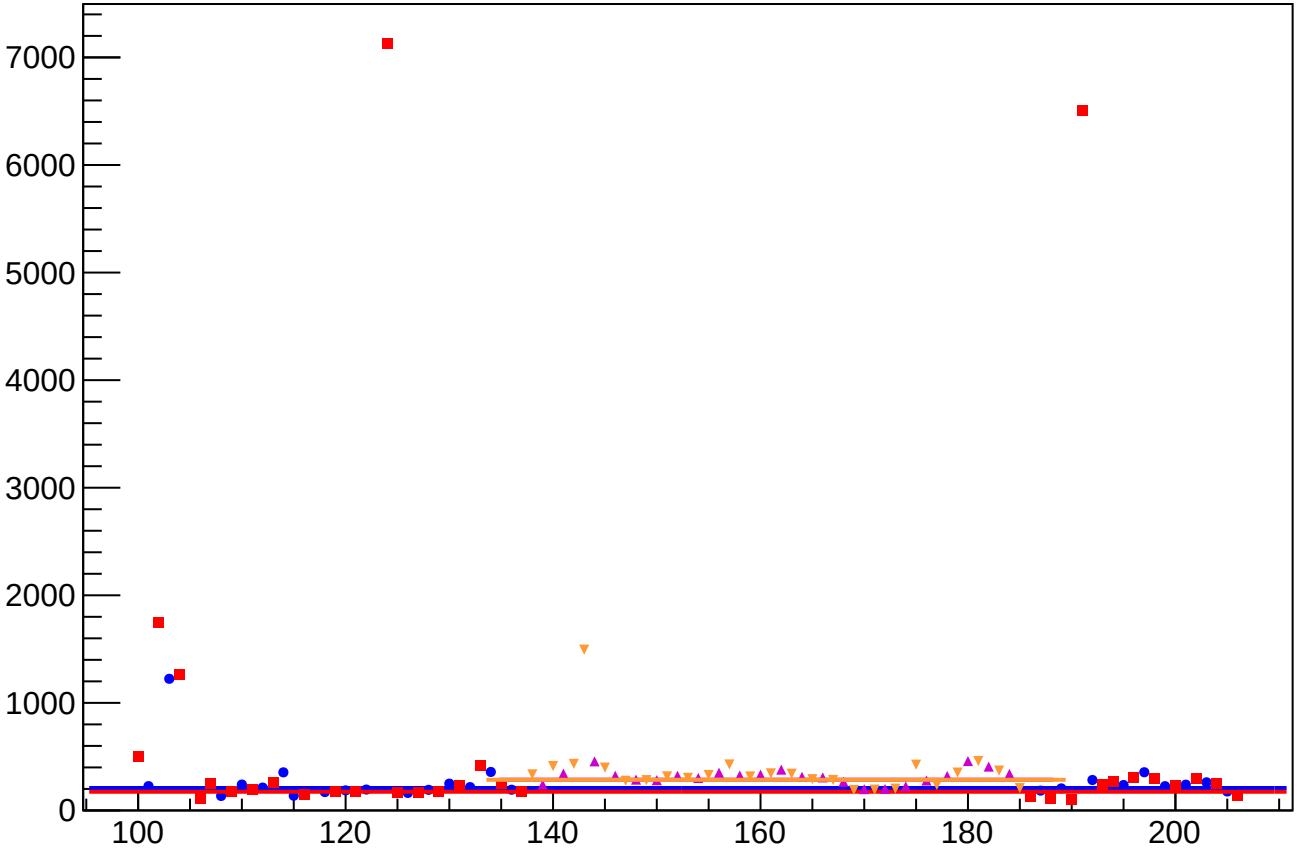
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.045 χ^2/NDF: 45.5/49

All: -0.019+/-0.030 χ^2/NDF: 109.1/103

- sign -0.007+/-0.041 χ^2/NDF: 63.5/53

asym_atl1r2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 208.646+/-0.042 χ^2/NDF: 2042939.5/24

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

Right Out: 173.924+/-0.035 χ^2/NDF: 5365480.2/30

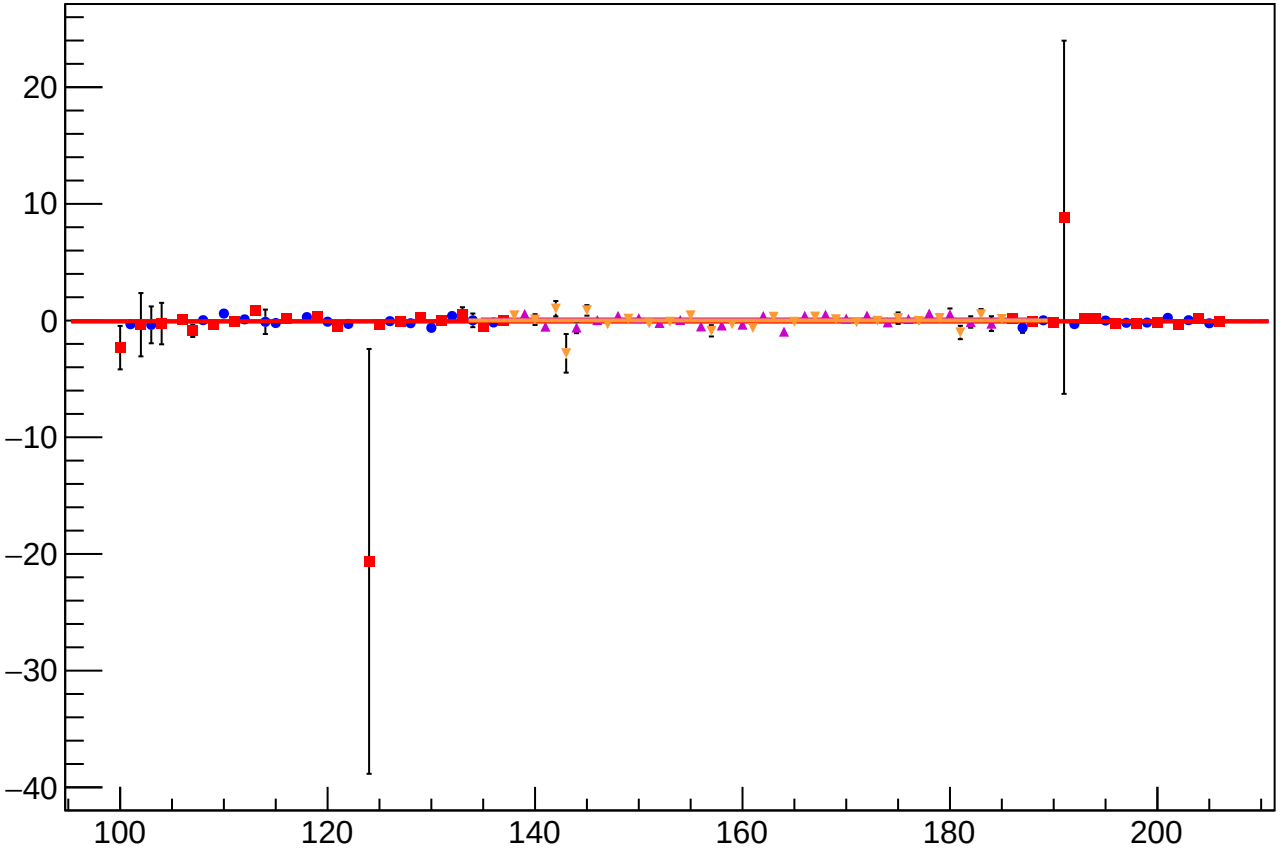
Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 241.020+/-0.032 χ^2/NDF: 6829398.3/49

All: 224.306+/-0.021 χ^2/NDF: 17804944.3/10

- sign 211.014+/-0.029 χ^2/NDF: 10490012.3/53

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.068+/-0.060 χ^2/NDF: 16.4/24

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.055+/-0.050 χ^2/NDF: 29.7/30

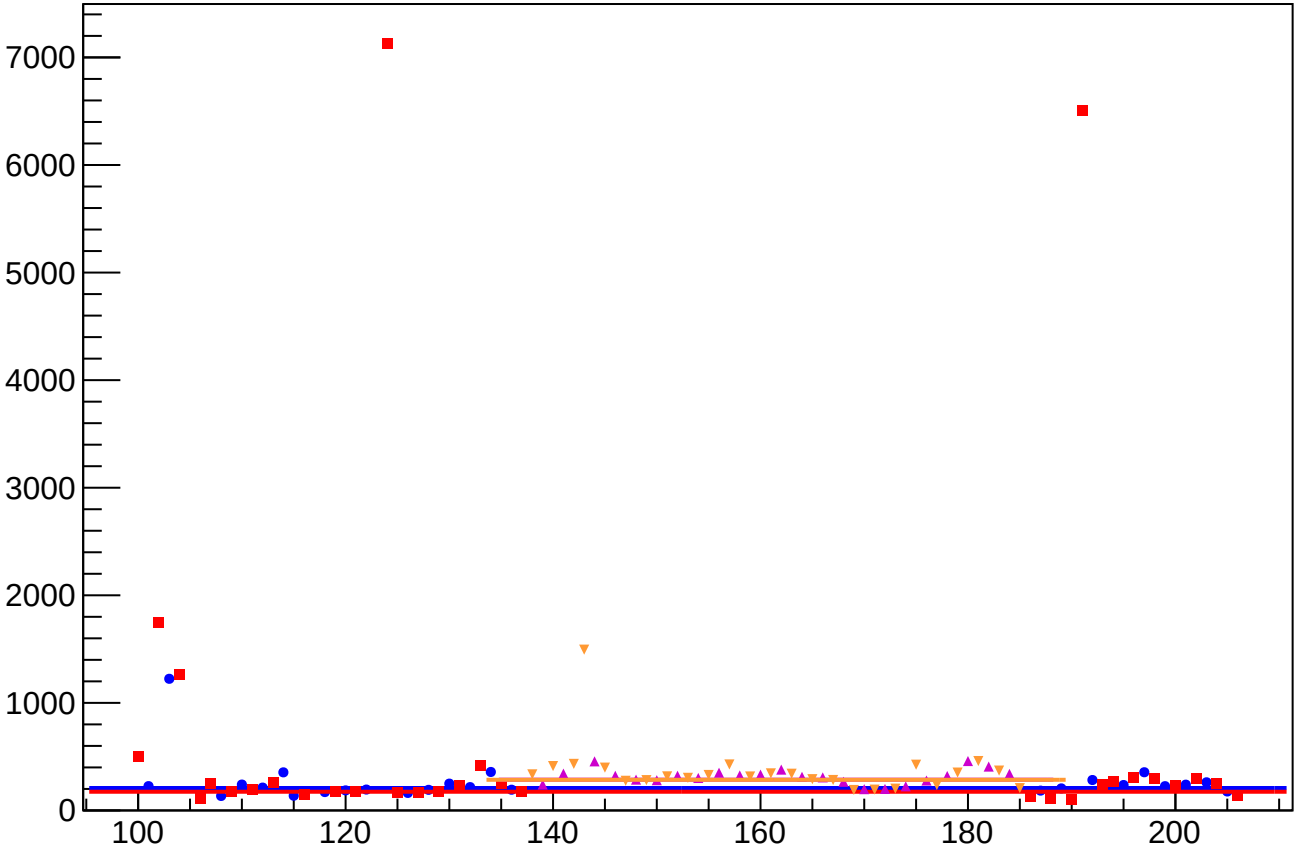
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.045 χ^2/NDF: 45.5/49

All: -0.019+/-0.030 χ^2/NDF: 109.1/103

- sign -0.007+/-0.041 χ^2/NDF: 63.5/53

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 208.646+/-0.042 χ^2/NDF: 2042939.5/24

Left Out: 285.036+/-0.049 χ^2/NDF:3407001.6/24

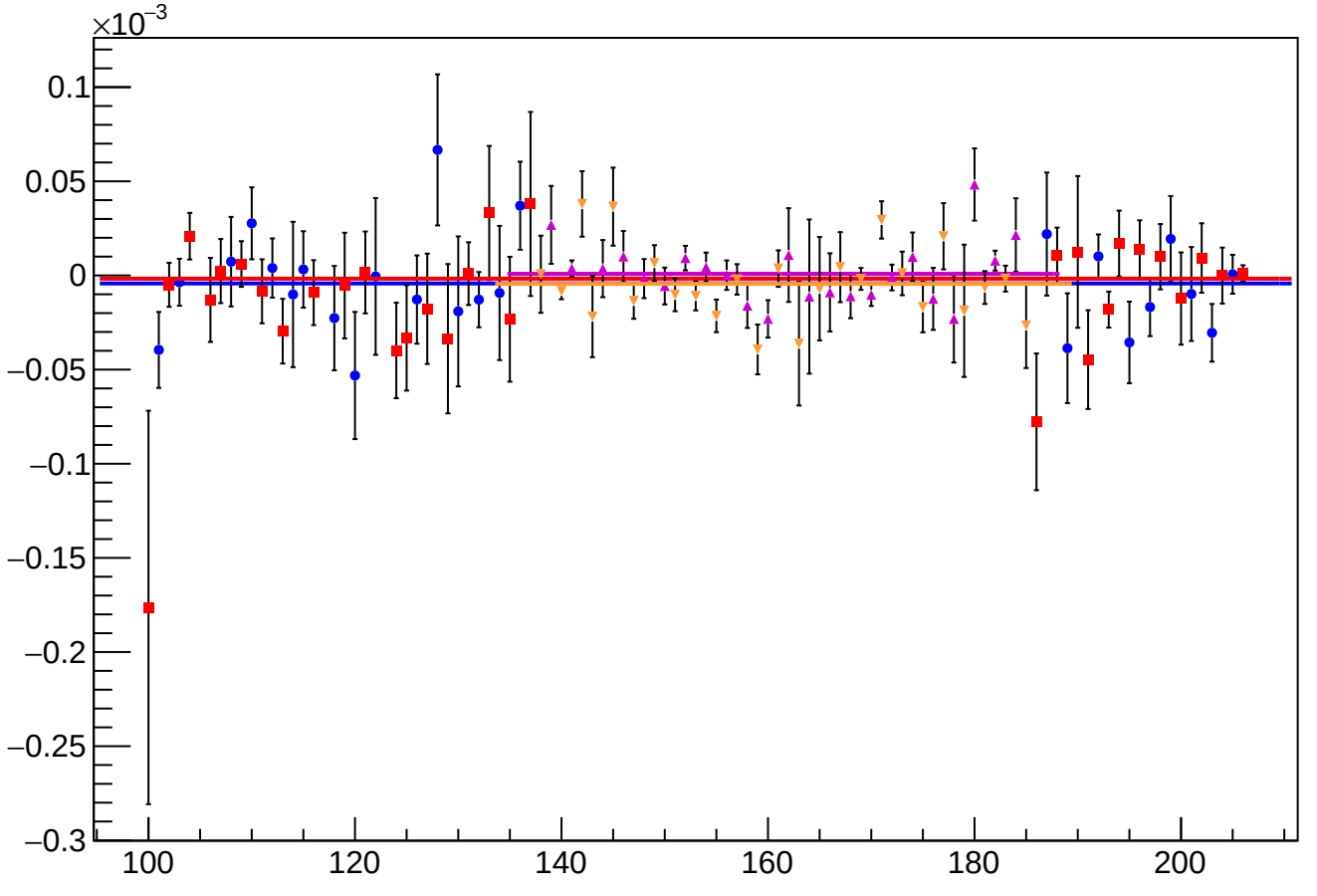
Right Out: 173.924+/-0.035 χ^2/NDF: 5365480.2/30

Left In: 285.869+/-0.050 χ^2/NDF:1744706.1/22

+ sign 241.020+/-0.032 χ^2/NDF: 6829398.3/49

All: 224.306+/-0.021 χ^2/NDF: 17804944.3/10

- sign 211.014+/-0.029 χ^2/NDF: 10490012.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:43.9/24

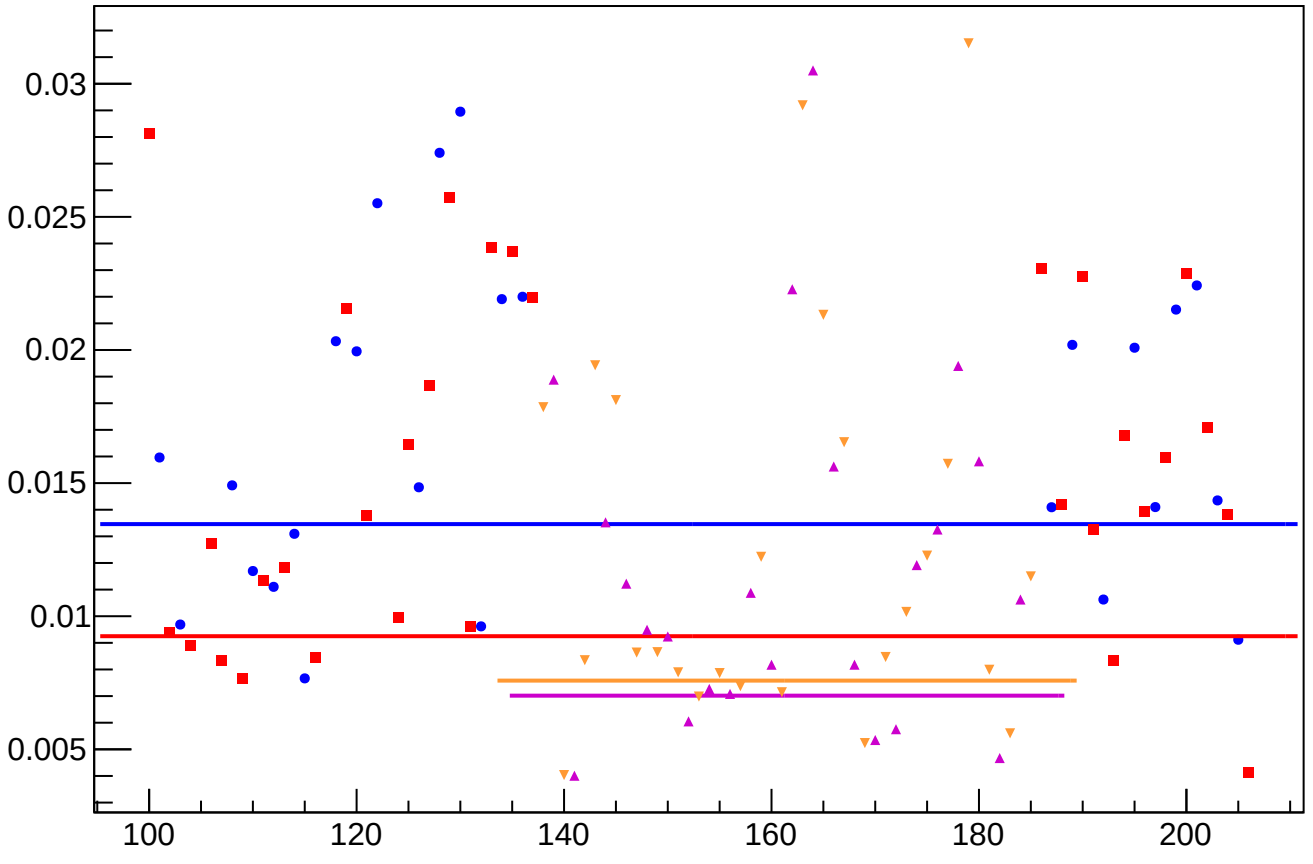
Right Out: -0.000+/-0.000 χ^2/NDF: 30.9/30

Left In: 0.000+/-0.000 χ^2/NDF:29.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.4/49

All: -0.000+/-0.000 χ^2/NDF: 134.4/103

- sign -0.000+/-0.000 χ^2/NDF: 60.5/53



Right In: 0.013+/-0.000 χ^2/NDF: 3163820.5/24

Left Out: 0.008+/-0.000 χ^2/NDF:7351454.7/24

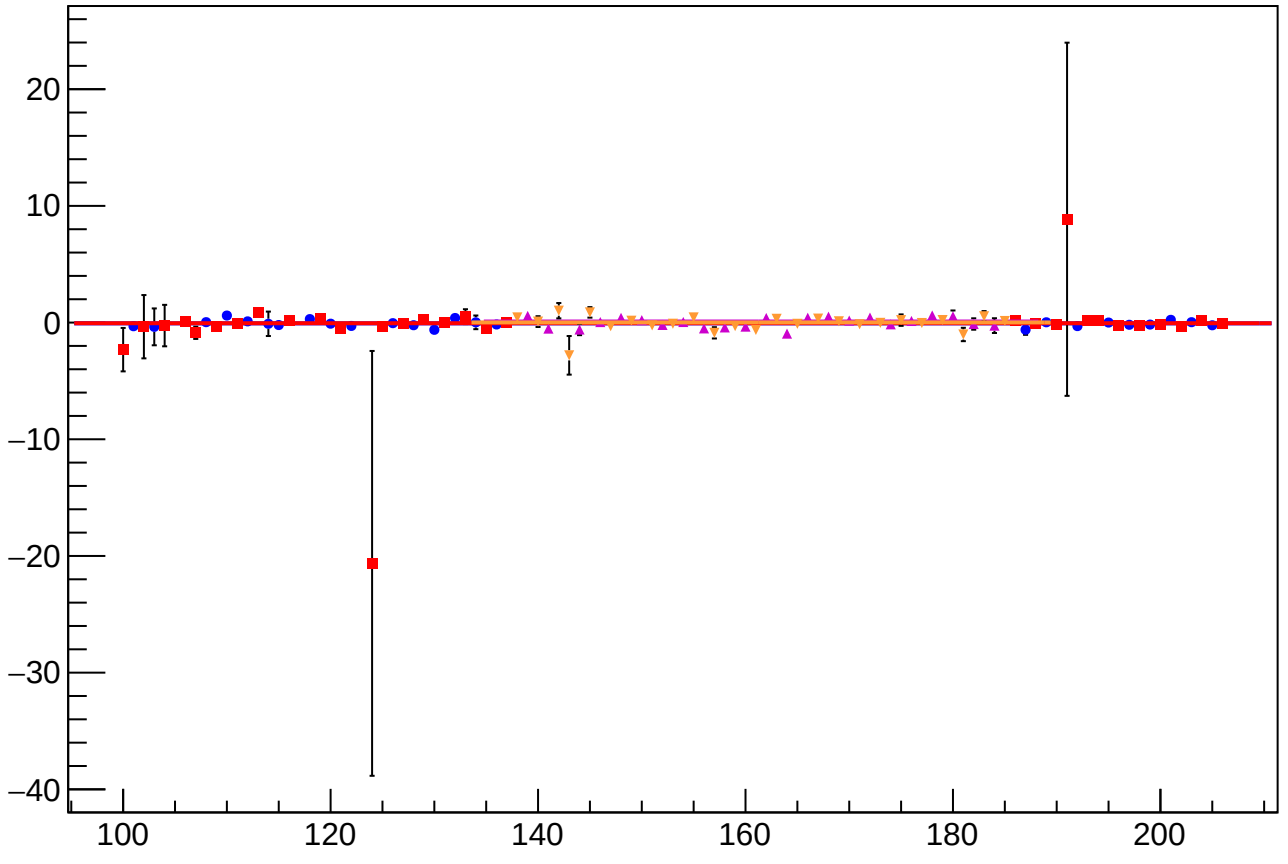
Right Out: 0.009+/-0.000 χ^2/NDF: 7780844.0/30

Left In: 0.007+/-0.000 χ^2/NDF:6740679.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 14172640.3/49

All: 0.008+/-0.000 χ^2/NDF: 29999430.0/103

- sign 0.008+/-0.000 χ^2/NDF: 15448695.5/53



Right In: -0.068+/-0.060 χ^2/NDF: 16.4/24

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

Right Out: -0.055+/-0.050 χ^2/NDF: 29.7/30

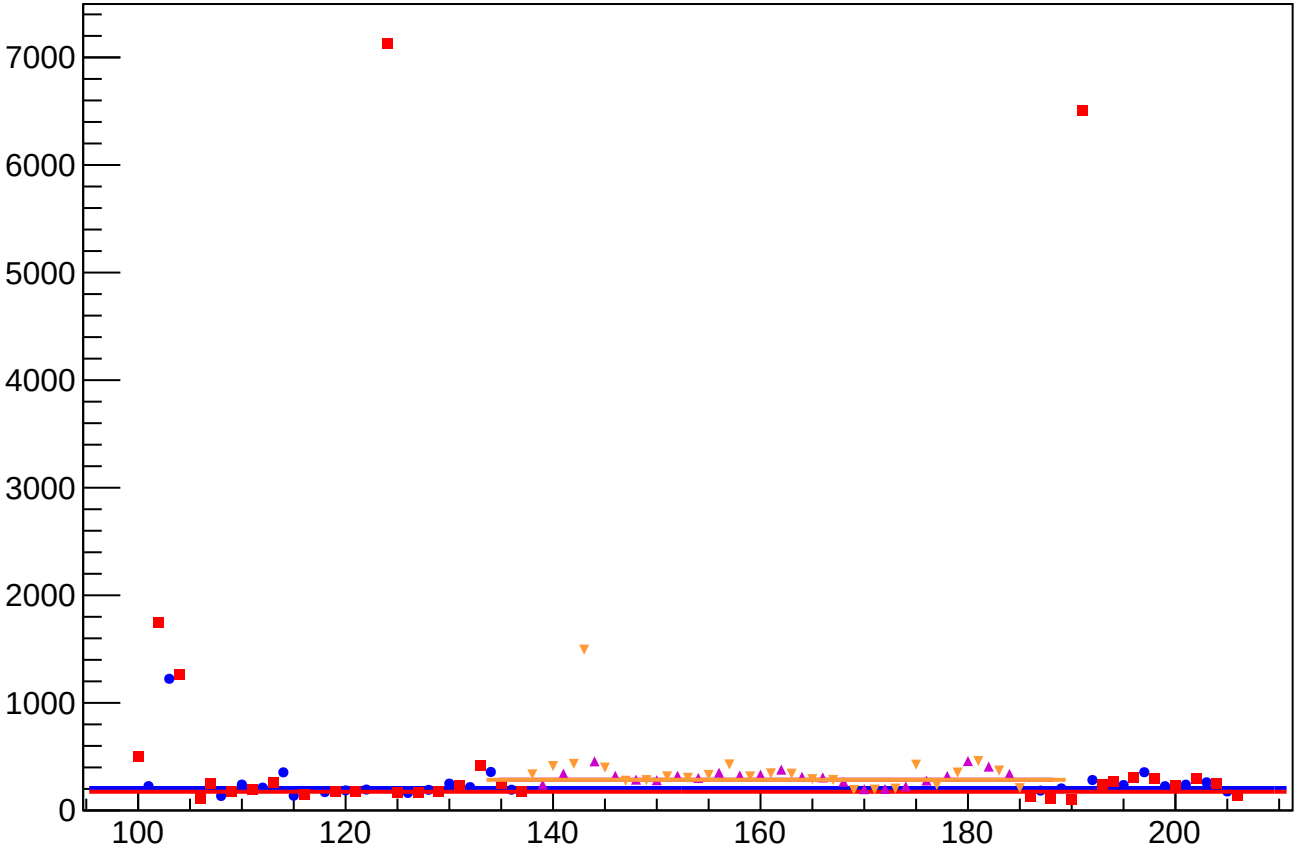
Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.045 χ^2/NDF: 45.5/49

All: -0.019+/-0.030 χ^2/NDF: 109.1/103

- sign -0.007+/-0.041 χ^2/NDF: 63.5/53

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 208.645+/-0.042 χ^2/NDF: 2042952.9/24

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

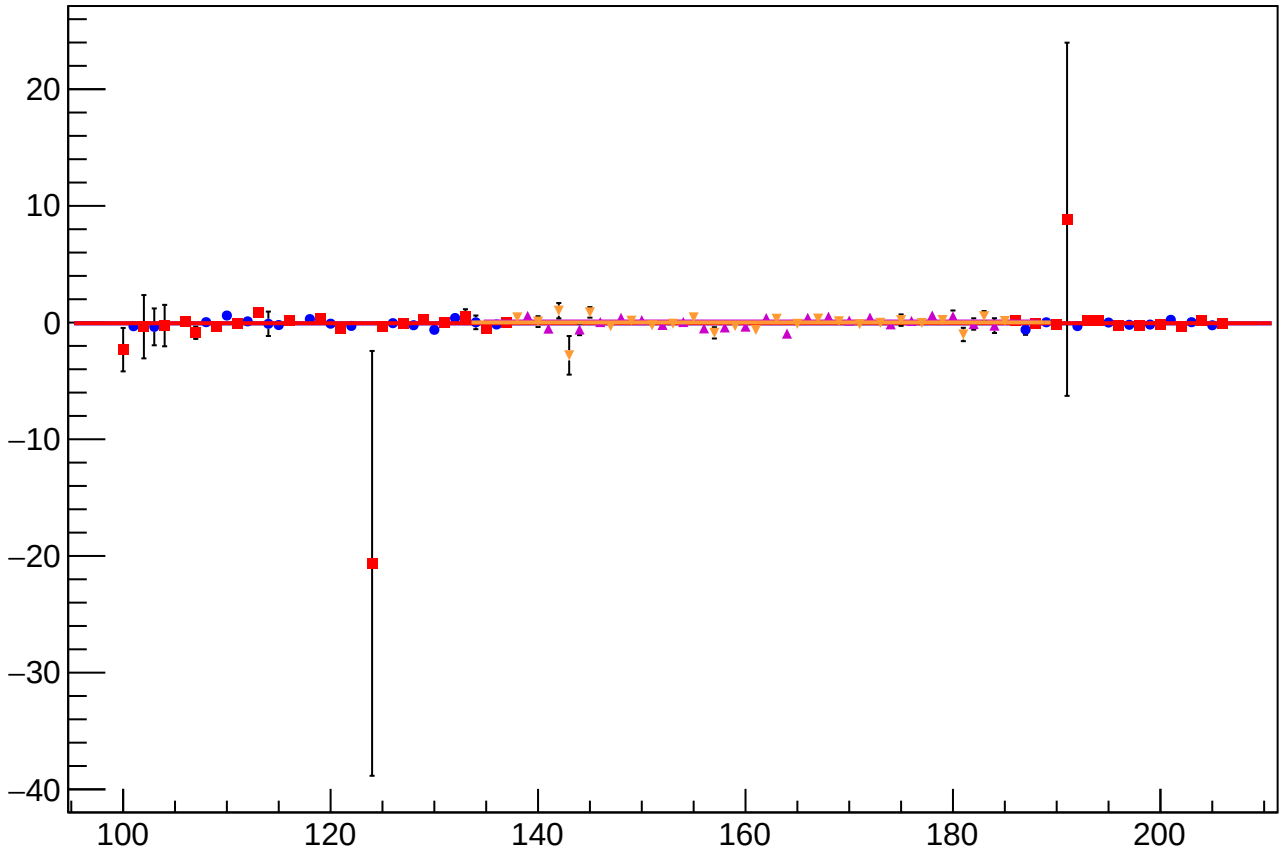
Right Out: 173.922+/-0.035 χ^2/NDF: 5365638.7/30

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 241.020+/-0.032 χ^2/NDF: 6829579.5/49

All: 224.305+/-0.021 χ^2/NDF: 17805643.4/10

- sign 211.012+/-0.029 χ^2/NDF: 10490480.0/53



Right In: -0.068+/-0.060 χ^2/NDF: 16.4/24

Left Out: 0.014+/-0.070 χ^2/NDF:28.3/24

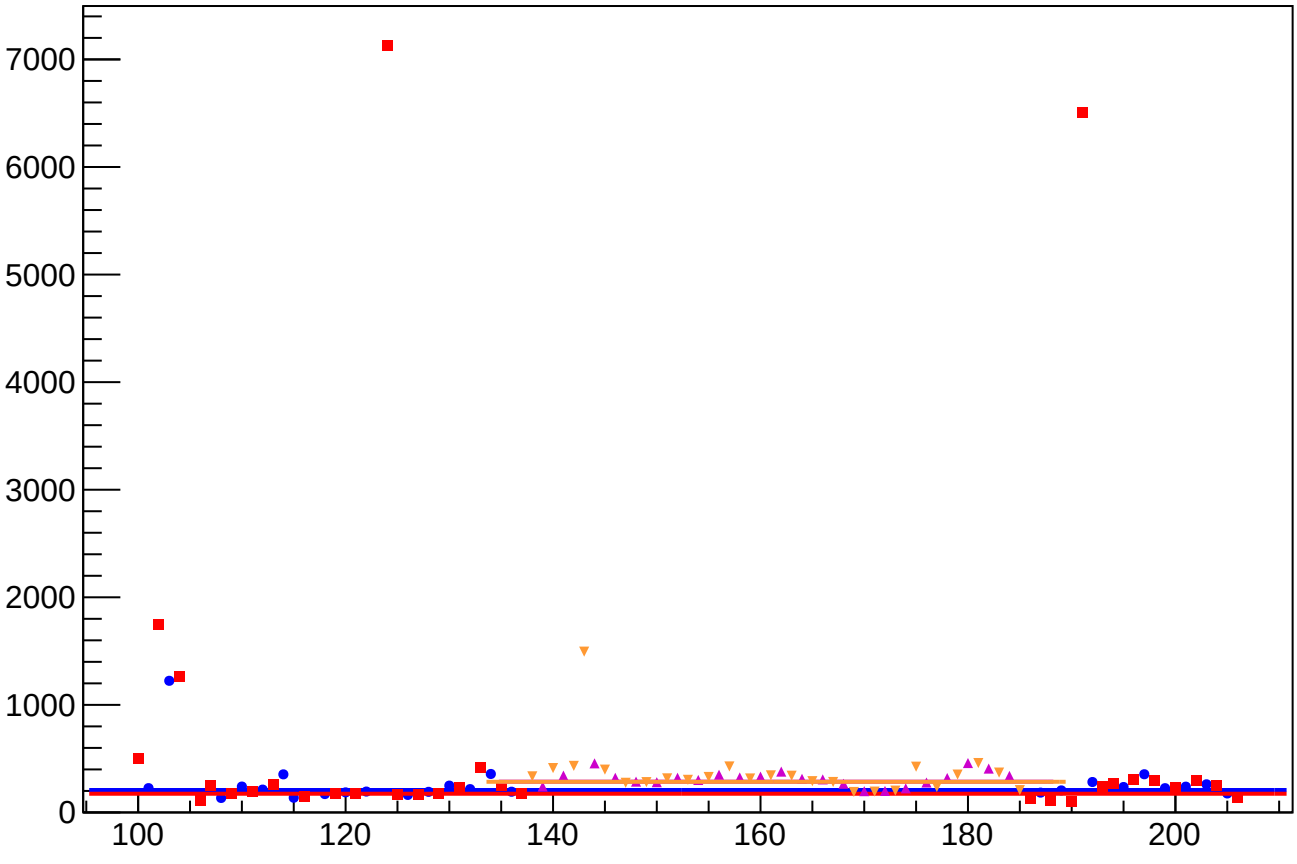
Right Out: -0.055+/-0.050 χ^2/NDF: 29.7/30

Left In: 0.091+/-0.070 χ^2/NDF:30.9/22

+ sign -0.033+/-0.045 χ^2/NDF: 45.5/49

All: -0.019+/-0.030 χ^2/NDF: 109.1/103

- sign -0.007+/-0.041 χ^2/NDF: 63.5/53



Right In: 208.645+/-0.042 χ^2/NDF: 2042952.9/24

Left Out: 285.039+/-0.049 χ^2/NDF:3407037.3/24

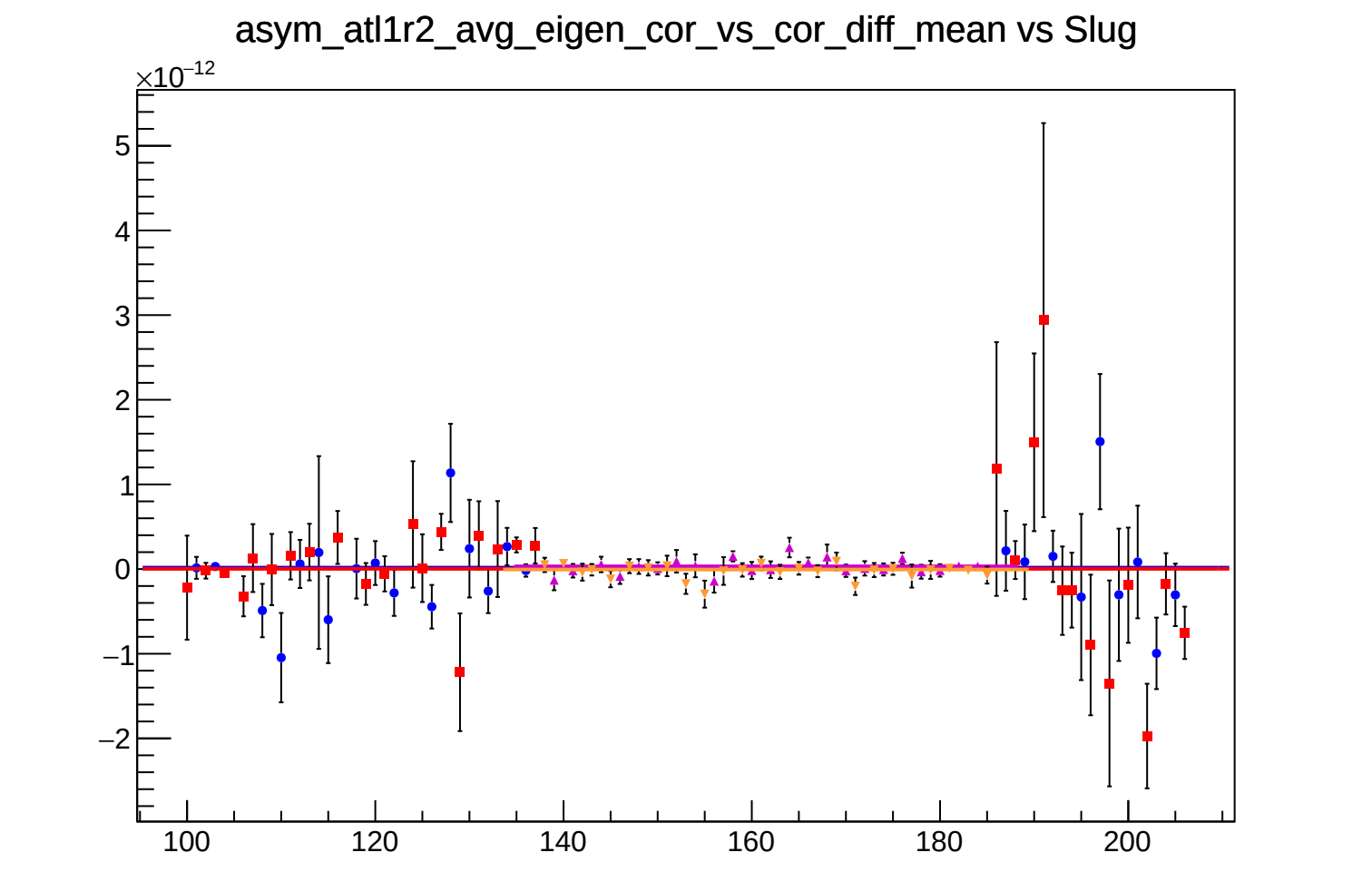
Right Out: 173.922+/-0.035 χ^2/NDF: 5365638.7/30

Left In: 285.871+/-0.050 χ^2/NDF:1744743.9/22

+ sign 241.020+/-0.032 χ^2/NDF: 6829579.5/49

All: 224.305+/-0.021 χ^2/NDF: 17805643.4/10

- sign 211.012+/-0.029 χ^2/NDF: 10490480.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 30.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 51.3/30

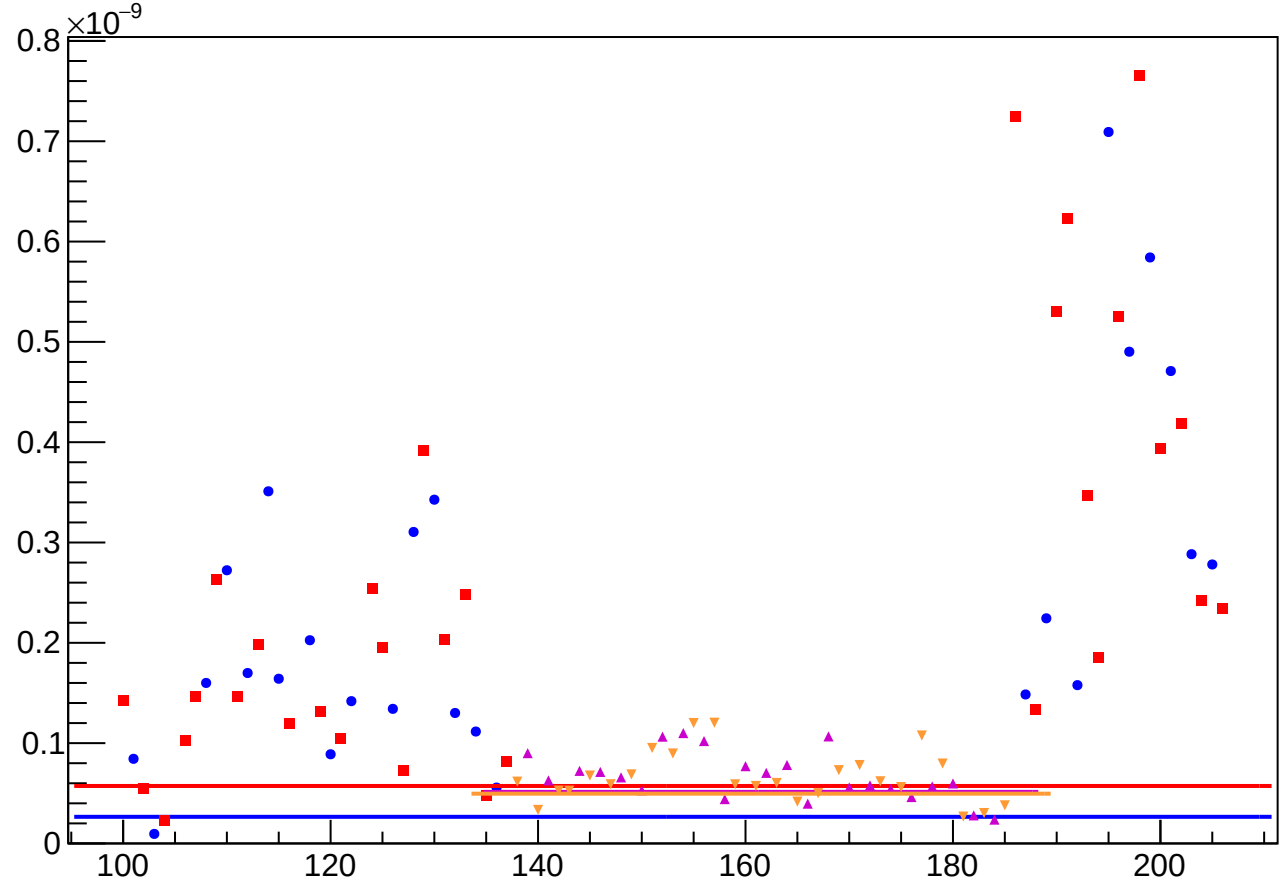
Left In: 0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.4/49

All: 0.000+/-0.000 χ^2/NDF: 119.8/103

- sign 0.000+/-0.000 χ^2/NDF: 70.8/53

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 12653506.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:3882649.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10037901.8/30

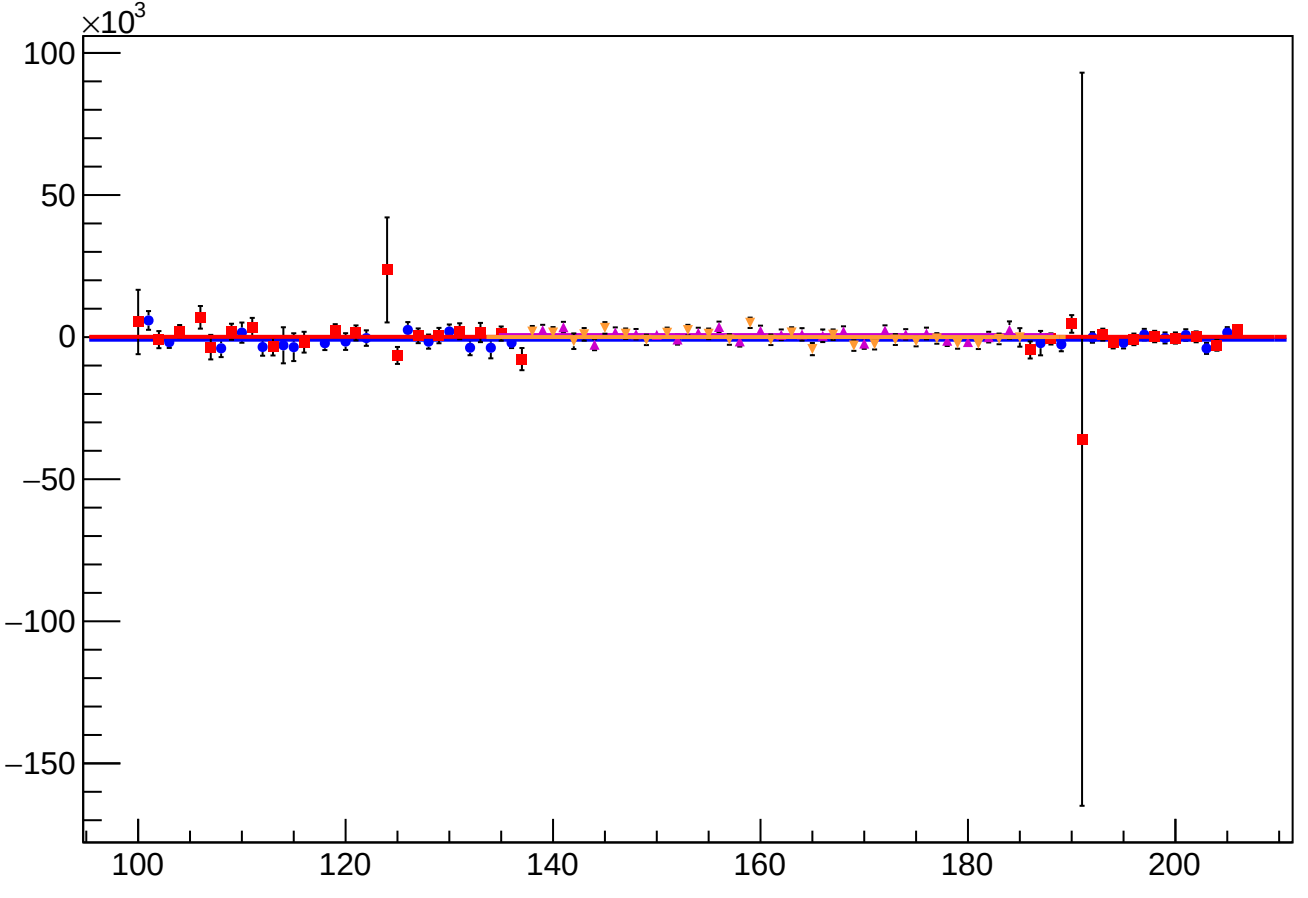
Left In: 0.000+/-0.000 χ^2/NDF:3659712.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 18189282.7/49

All: 0.000+/-0.000 χ^2/NDF: 32672835.6/103

- sign 0.000+/-0.000 χ^2/NDF: 13756676.6/53

reg_asym_atl1r2_dd_mean vs Slug



Right In: -907.277+/-492.176 χ^2/NDF: 19.1/24

Left Out: 23.114+/-387.732 χ^2/NDF:29.5/24

Right Out: 103.605+/-465.643 χ^2/NDF: 31.5/30

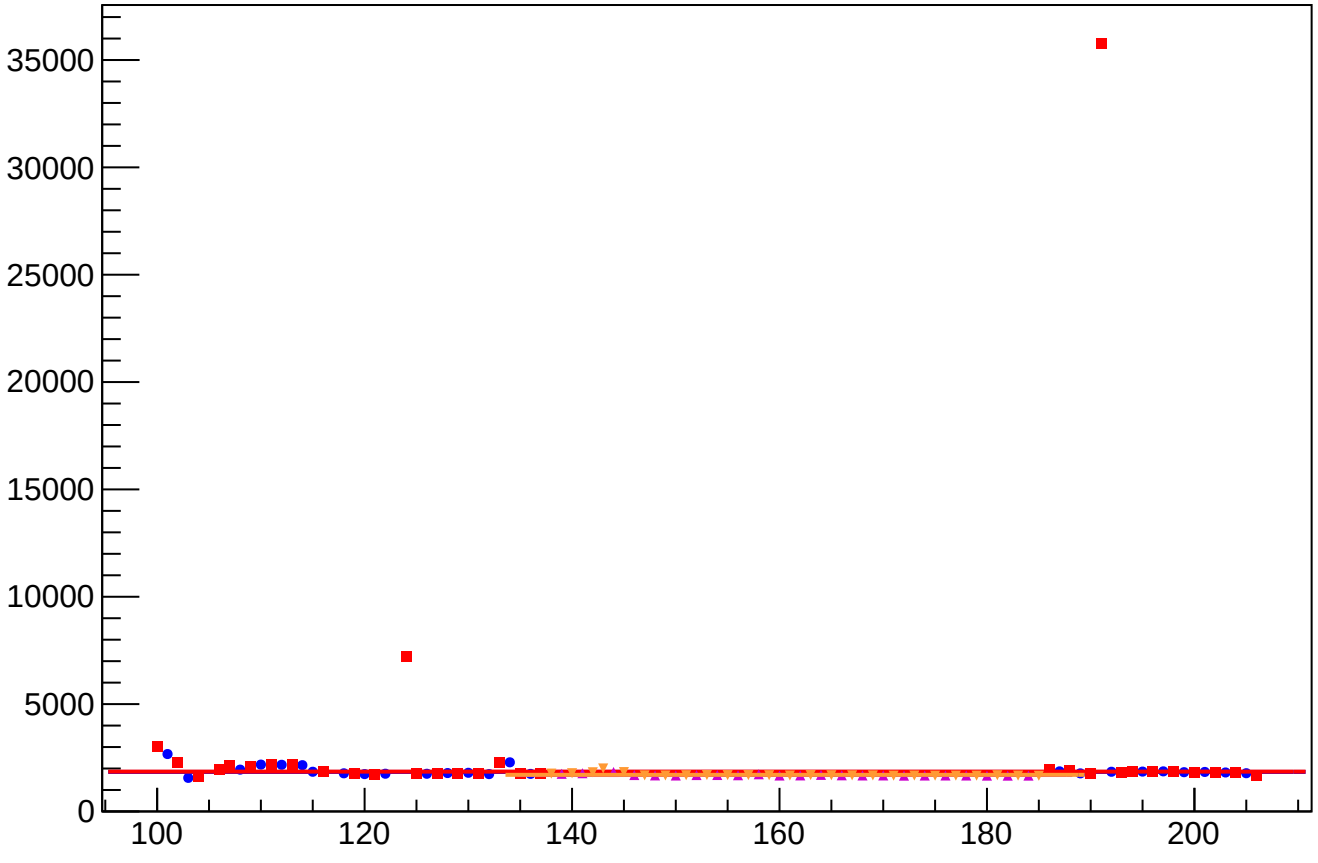
Left In: 719.504+/-396.449 χ^2/NDF:19.1/22

+ sign -333.180+/-304.573 χ^2/NDF: 50.8/49

All: 67.296+/-214.401 χ^2/NDF: 105.8/103

- sign 460.672+/-301.861 χ^2/NDF: 51.6/53

reg_asym_atl1r2_dd_rms vs Slug



Right In: 1840.320+/-0.348 χ^2/NDF: 264876.7/24

Left Out: 1705.634+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1855.277+/-0.329 χ^2/NDF: 535452.2/30

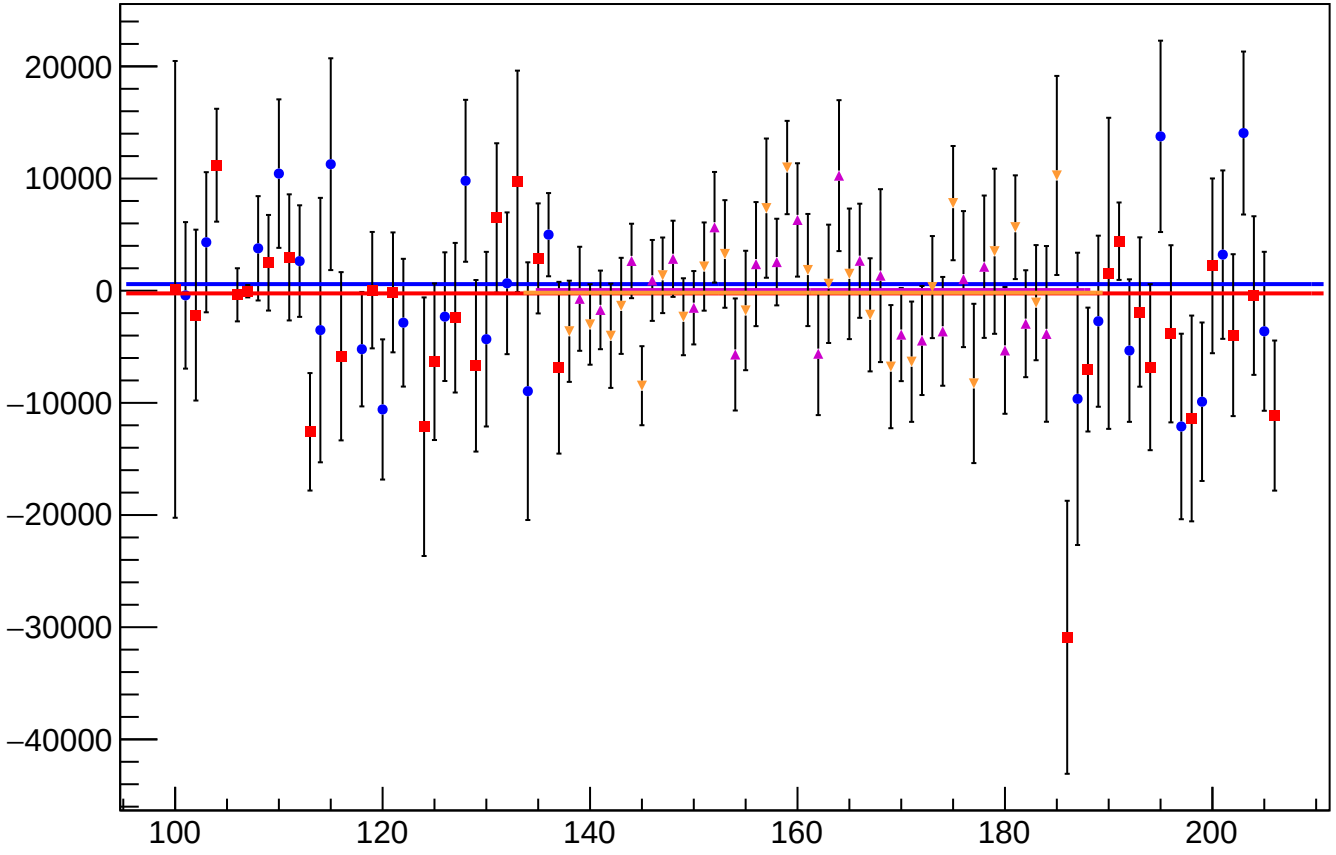
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1757.212+/-0.215 χ^2/NDF: 417221.4/49

All: 1760.583+/-0.152 χ^2/NDF: 1107559.7/10

- sign 1763.892+/-0.213 χ^2/NDF: 689852.8/53

asym_atl1r2_dd_reg_correction_mean vs Slug



Right In: 587.472+/-1295.268 χ^2/NDF: 26.4/24

Left Out: -175.777+/-935.141 χ^2/NDF:27.9/24

Right Out: -240.286+/-488.773 χ^2/NDF: 33.3/30

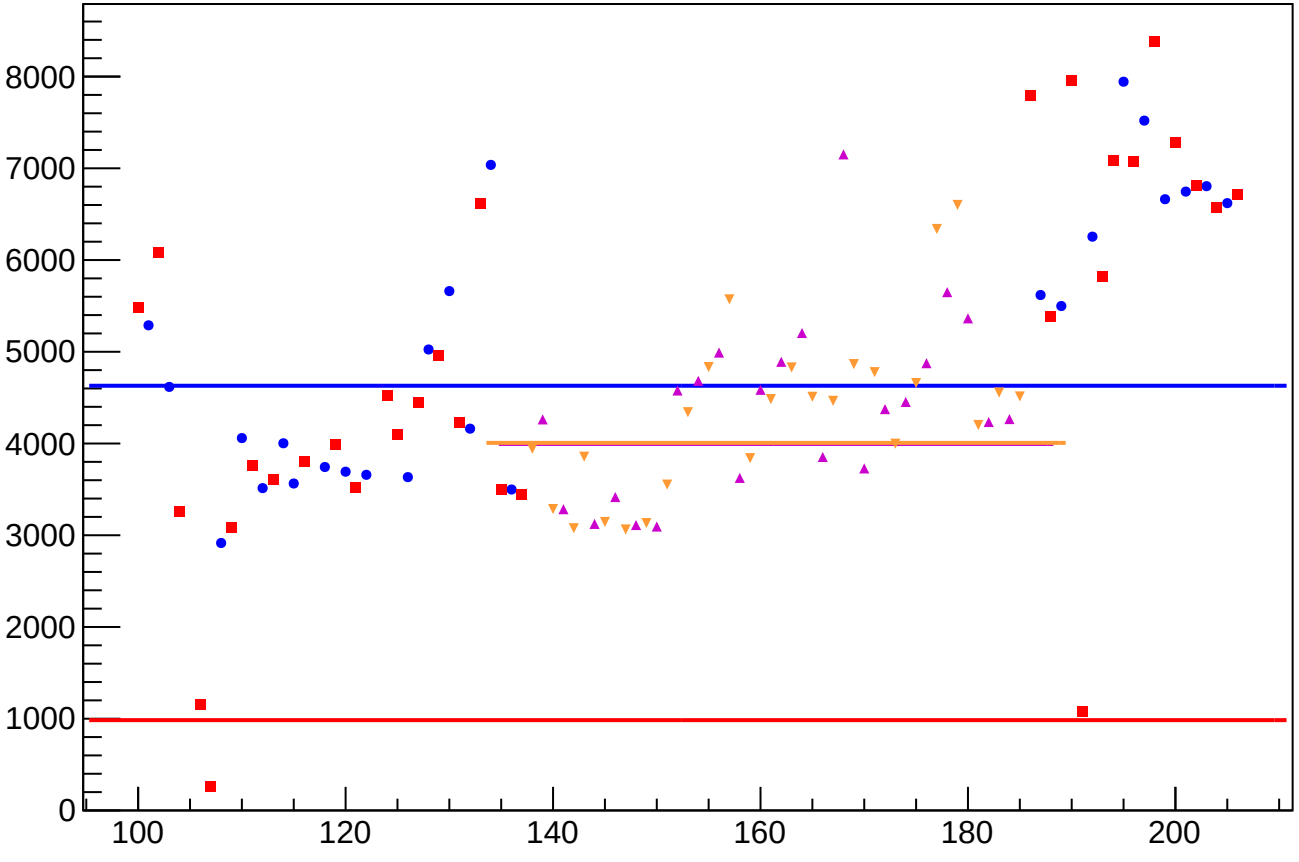
Left In: 56.448+/-956.389 χ^2/NDF:14.3/22

+ sign 85.742+/-758.191 χ^2/NDF: 54.6/49

All: -113.260+/-377.460 χ^2/NDF: 102.3/103

- sign -178.834+/-435.229 χ^2/NDF: 47.7/53

asym_atl1r2_dd_reg_correction_rms vs Slug



Right In: 4629.680+/-0.916 χ^2/NDF: 2364640.6/24

Left Out: 4006.998+/-0.661 χ^2/NDF:1503677.6/24

Right Out: 984.555+/-0.346 χ^2/NDF: 23867516.9/30

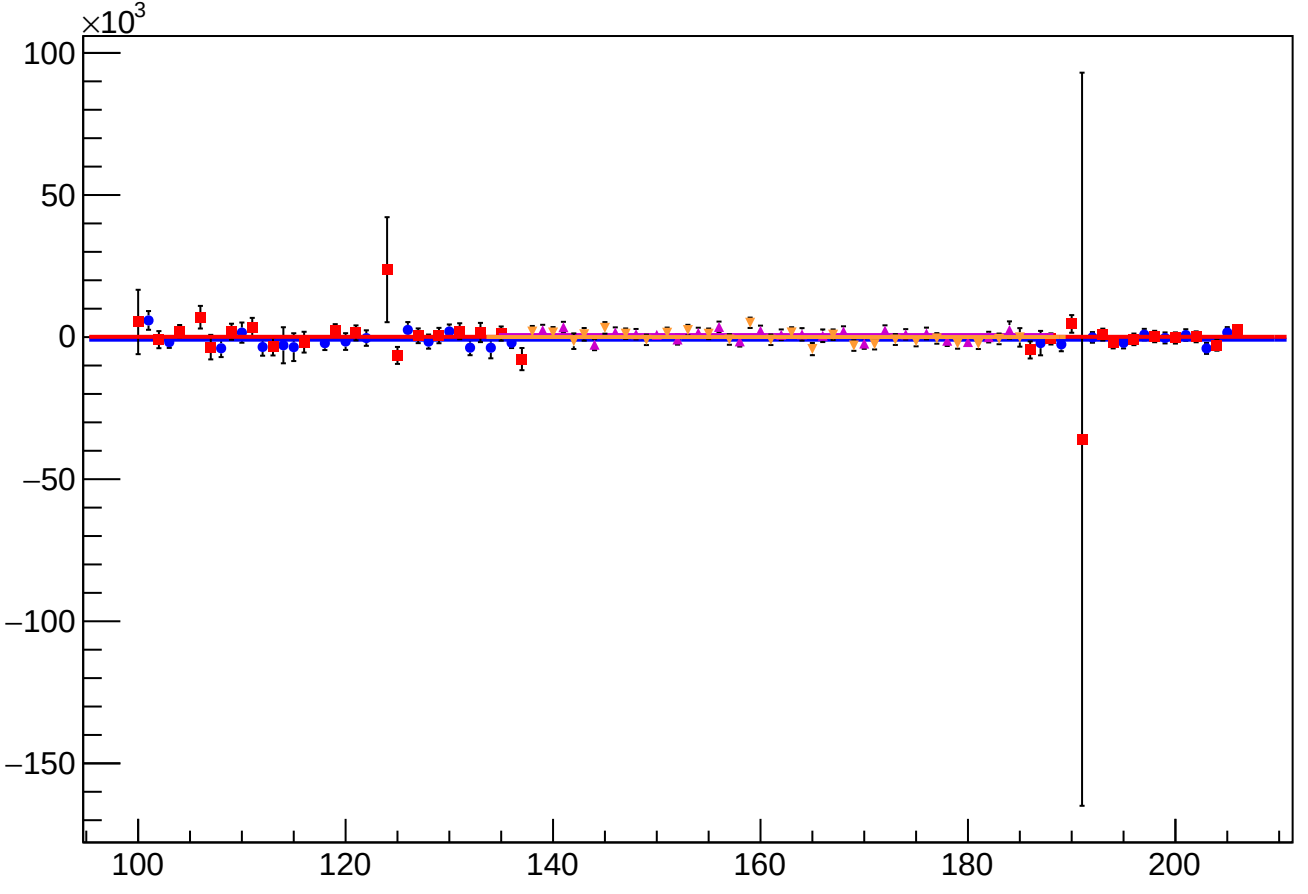
Left In: 3994.974+/-0.676 χ^2/NDF:1538115.4/22

+ sign 4220.354+/-0.536 χ^2/NDF: 4172159.2/49

All: 2255.460+/-0.267 χ^2/NDF: 63148469.7/1

- sign 1607.994+/-0.308 χ^2/NDF: 41117829.7/53

cor_asym_atl1r2_dd_mean vs Slug



Right In: -907.051+/-492.176 χ^2/NDF: 19.1/24

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 103.760+/-465.644 χ^2/NDF: 31.5/30

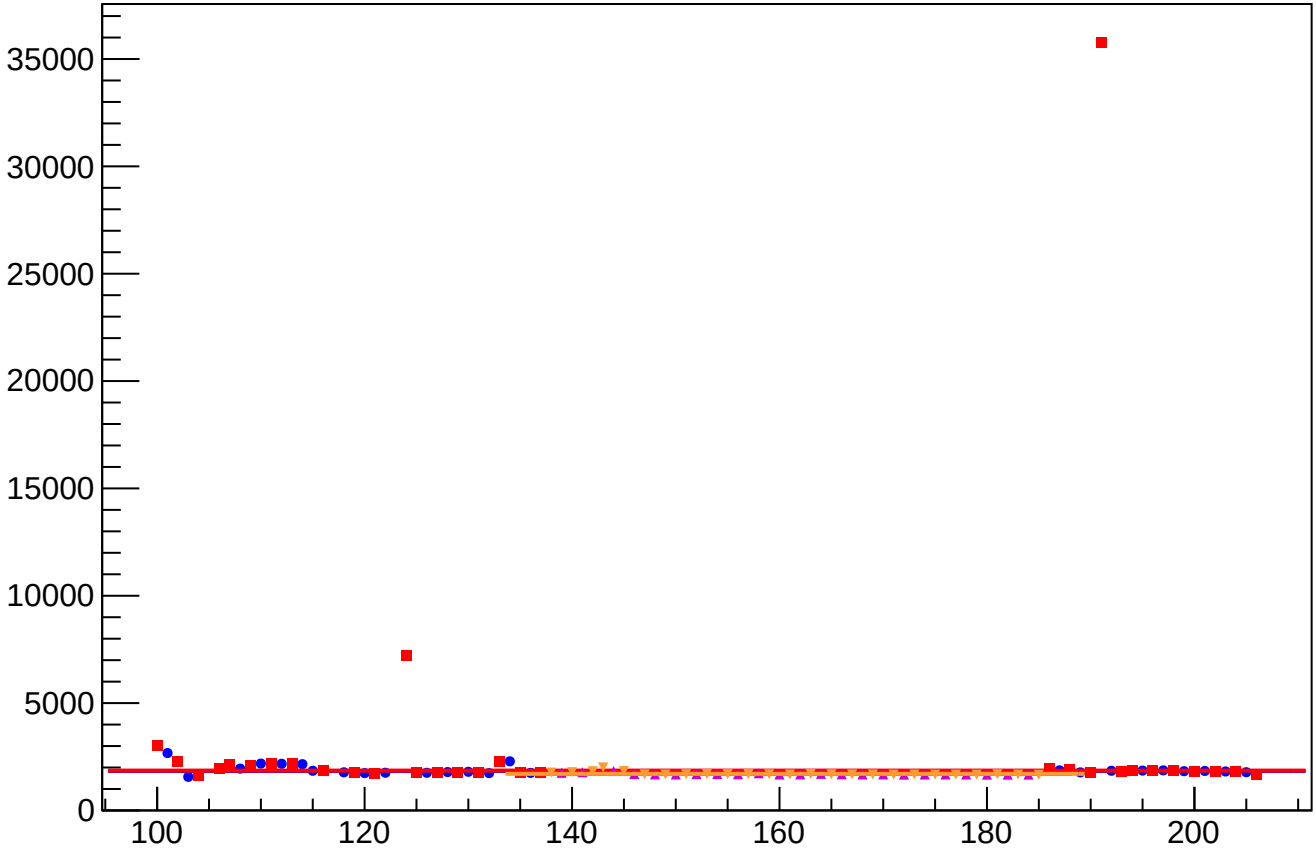
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -333.049+/-304.573 χ^2/NDF: 50.8/49

All: 67.358+/-214.401 χ^2/NDF: 105.9/103

- sign 460.666+/-301.862 χ^2/NDF: 51.6/53

cor_asym_atl1r2_dd_rms vs Slug



Right In: 1840.320+/-0.348 χ^2/NDF: 264875.9/24

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

Right Out: 1855.470+/-0.329 χ^2/NDF: 535796.7/30

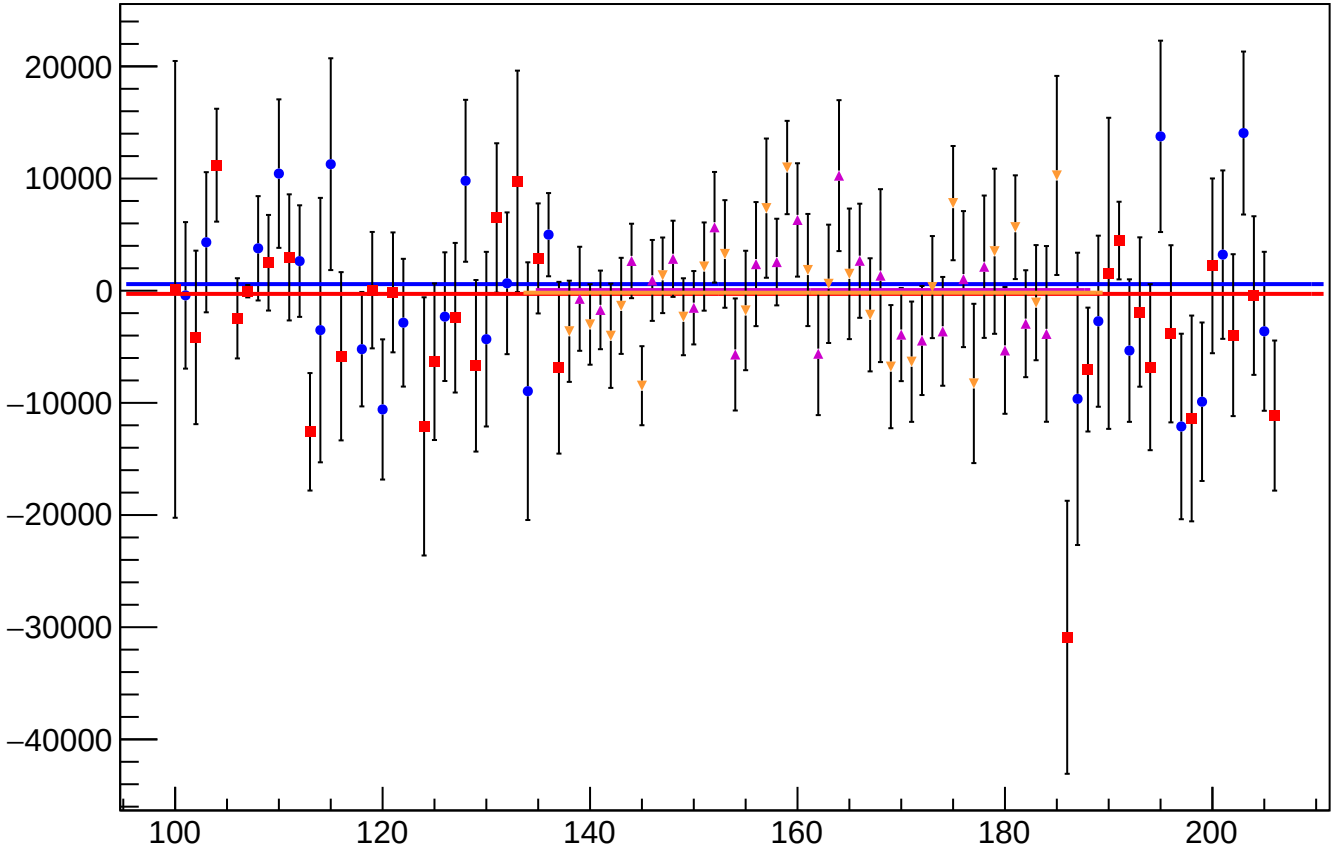
Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1757.212+/-0.215 χ^2/NDF: 417220.9/49

All: 1760.620+/-0.152 χ^2/NDF: 1108225.5/10

- sign 1763.965+/-0.213 χ^2/NDF: 690508.5/53

asym_atl1r2_dd_cor_correction_mean vs Slug



Right In: 587.424+/-1295.272 χ^2/NDF: 26.4/24

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -284.148+/-494.751 χ^2/NDF: 33.9/30

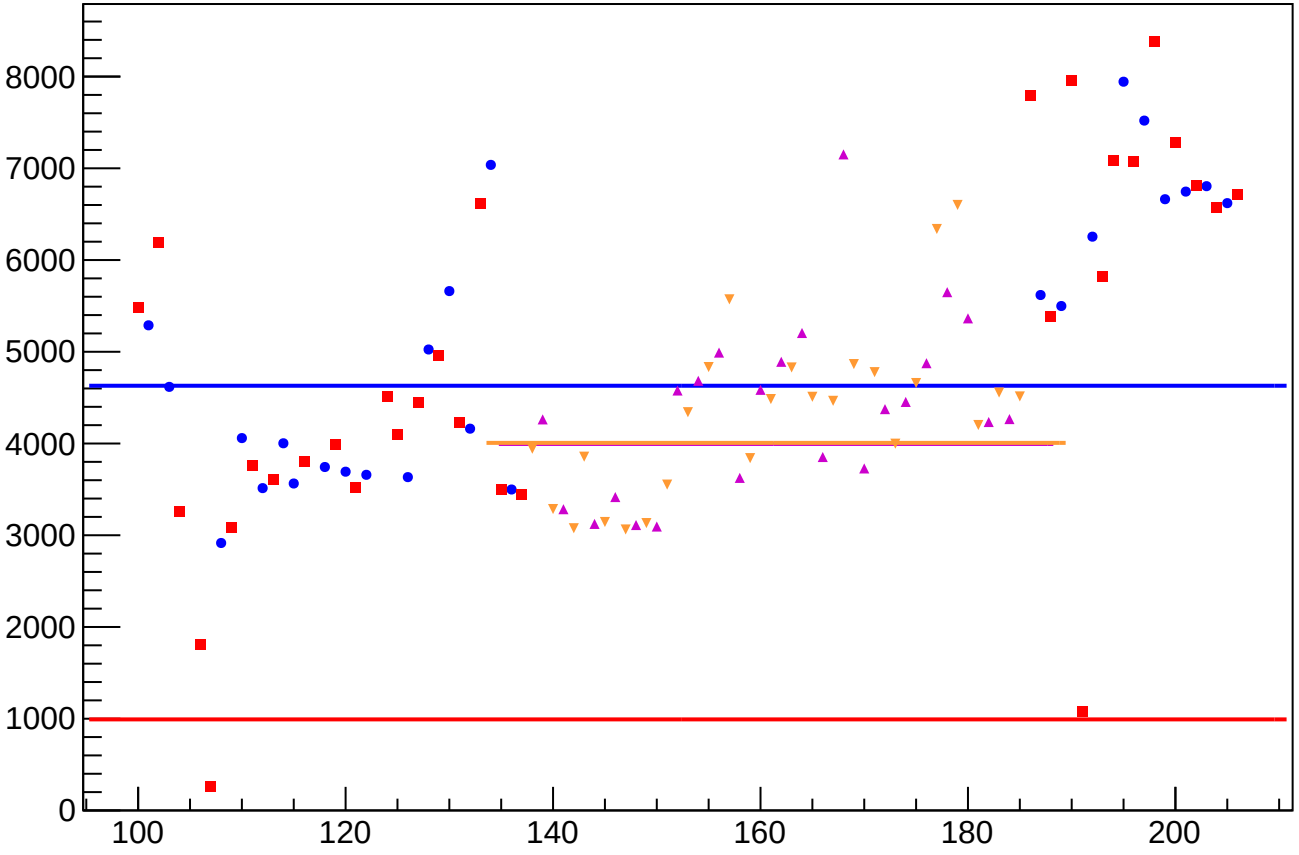
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 85.739+/-758.191 χ^2/NDF: 54.6/49

All: -137.326+/-380.193 χ^2/NDF: 103.0/103

- sign -212.258+/-439.434 χ^2/NDF: 48.3/53

asym_atl1r2_dd_cor_correction_rms vs Slug



Right In: 4629.691+/-0.916 χ^2/NDF: 2364651.6/24

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 992.646+/-0.350 χ^2/NDF: 23974700.7/30

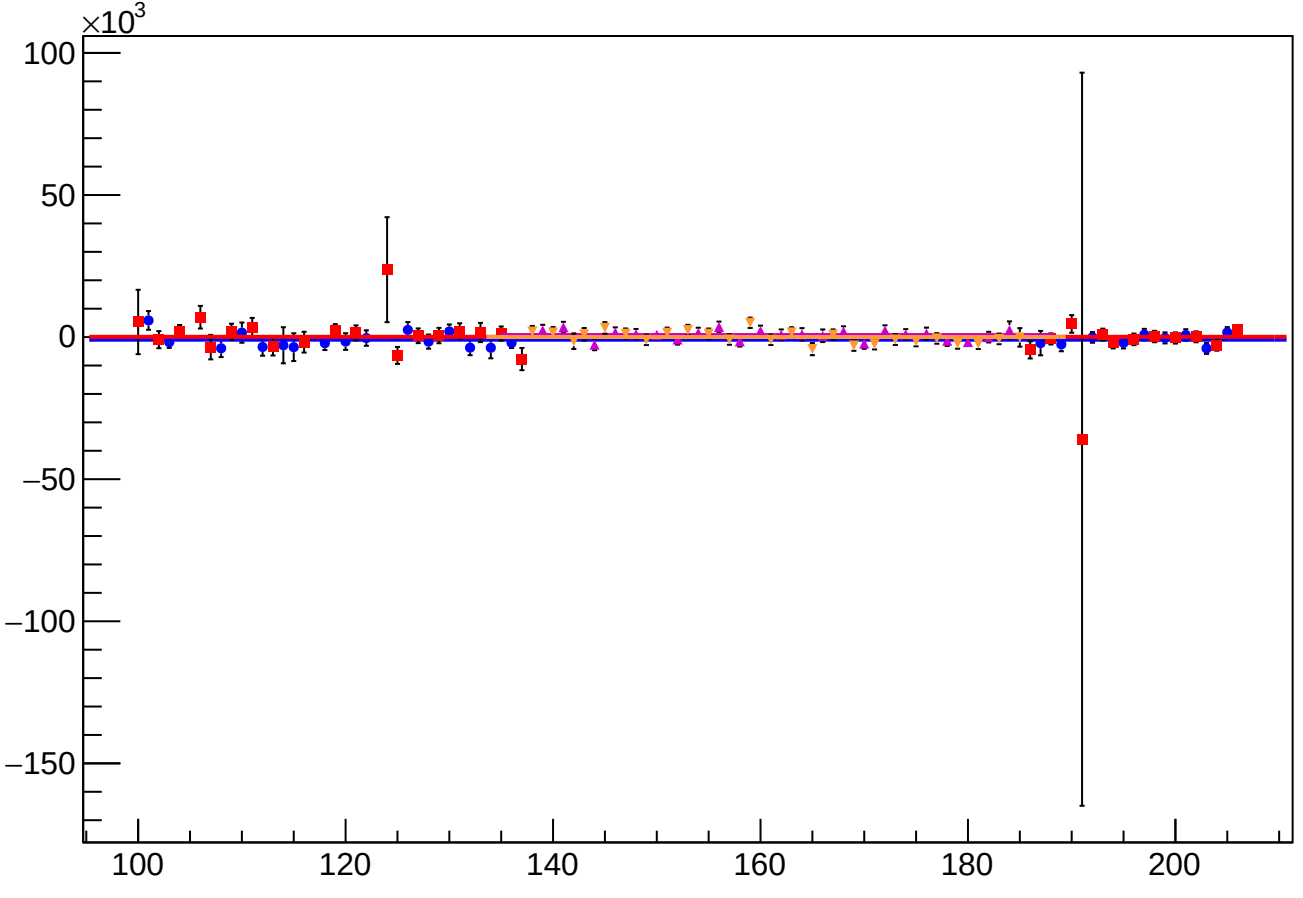
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4220.351+/-0.536 χ^2/NDF: 4172208.1/49

All: 2278.710+/-0.269 χ^2/NDF: 62755844.0/1

- sign 1626.482+/-0.311 χ^2/NDF: 41061400.5/53

eigen_cor_asym_atl1r2_dd_mean vs Slug



Right In: -907.051+/-492.176 χ^2/NDF: 19.1/24

Left Out: 23.186+/-387.732 χ^2/NDF:29.5/24

Right Out: 103.760+/-465.644 χ^2/NDF: 31.5/30

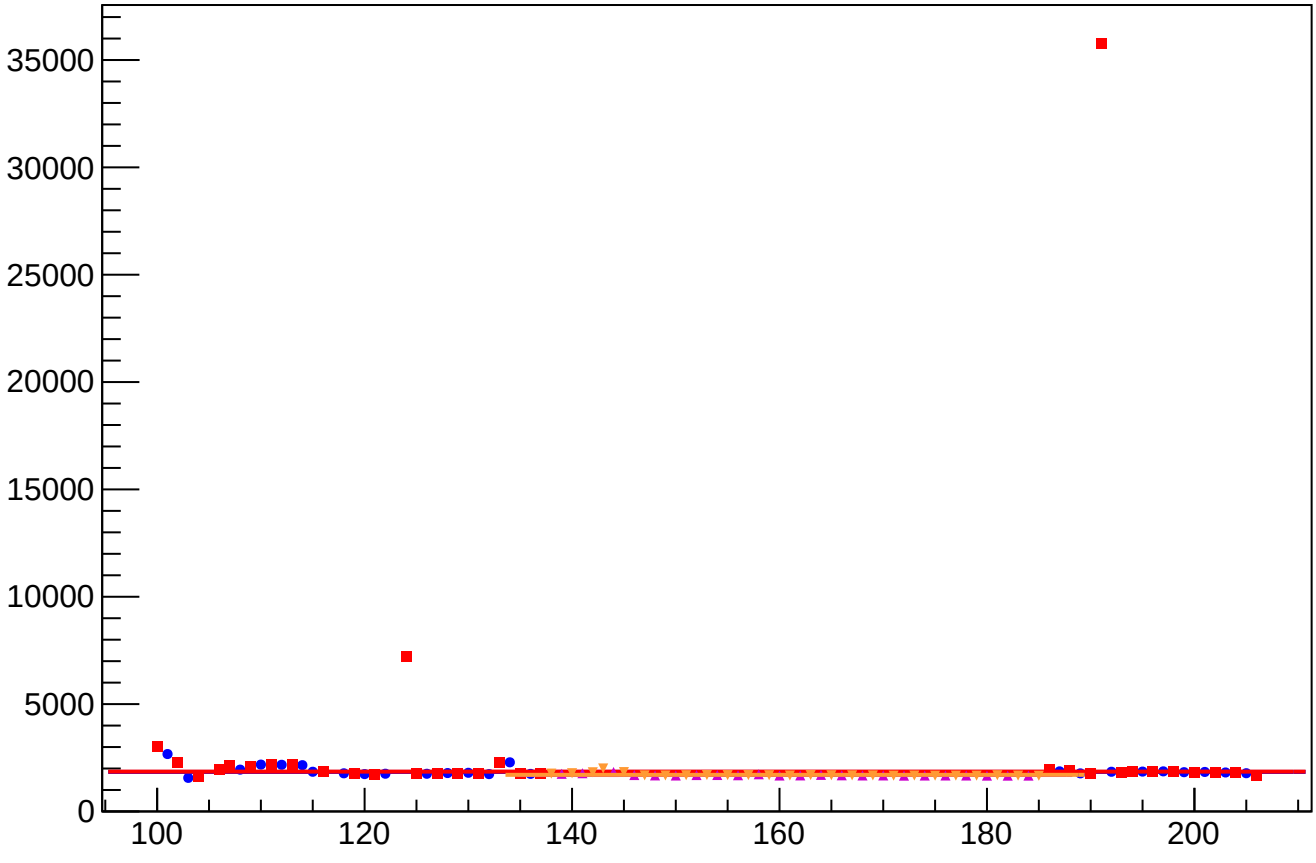
Left In: 719.380+/-396.449 χ^2/NDF:19.1/22

+ sign -333.049+/-304.573 χ^2/NDF: 50.8/49

All: 67.358+/-214.401 χ^2/NDF: 105.9/103

- sign 460.666+/-301.862 χ^2/NDF: 51.6/53

eigen_cor_asym_atl1r2_dd_rms vs Slug



Right In: 1840.320+/-0.348 χ^2/NDF: 264875.9/24

Left Out: 1705.635+/-0.274 χ^2/NDF:59928.6/24

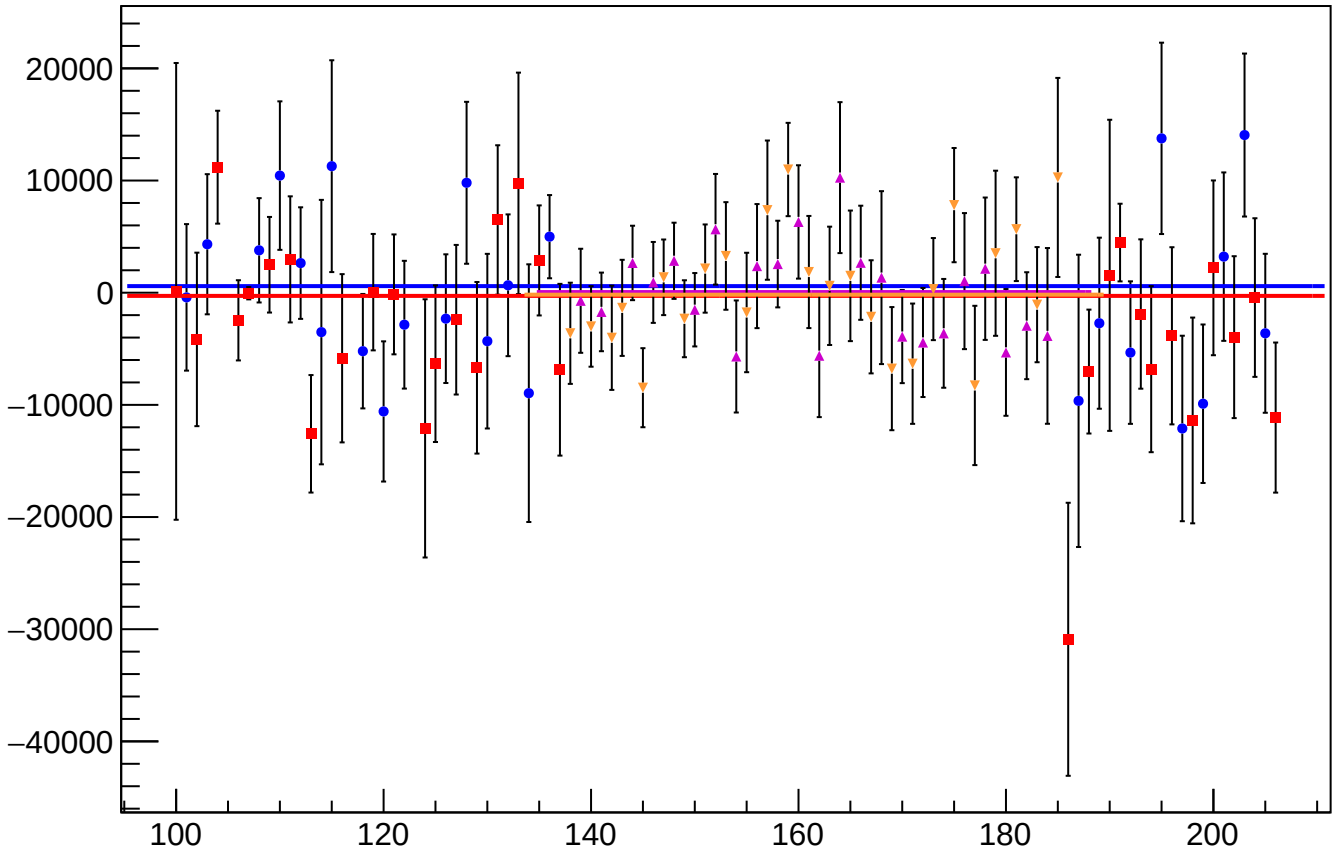
Right Out: 1855.470+/-0.329 χ^2/NDF: 535796.7/30

Left In: 1697.514+/-0.280 χ^2/NDF:21146.9/22

+ sign 1757.212+/-0.215 χ^2/NDF: 417220.9/49

All: 1760.620+/-0.152 χ^2/NDF: 1108225.5/10

- sign 1763.965+/-0.213 χ^2/NDF: 690508.5/53



Right In: 587.424+/-1295.272 χ^2/NDF: 26.4/24

Left Out: -175.755+/-935.140 χ^2/NDF:27.9/24

Right Out: -284.148+/-494.751 χ^2/NDF: 33.9/30

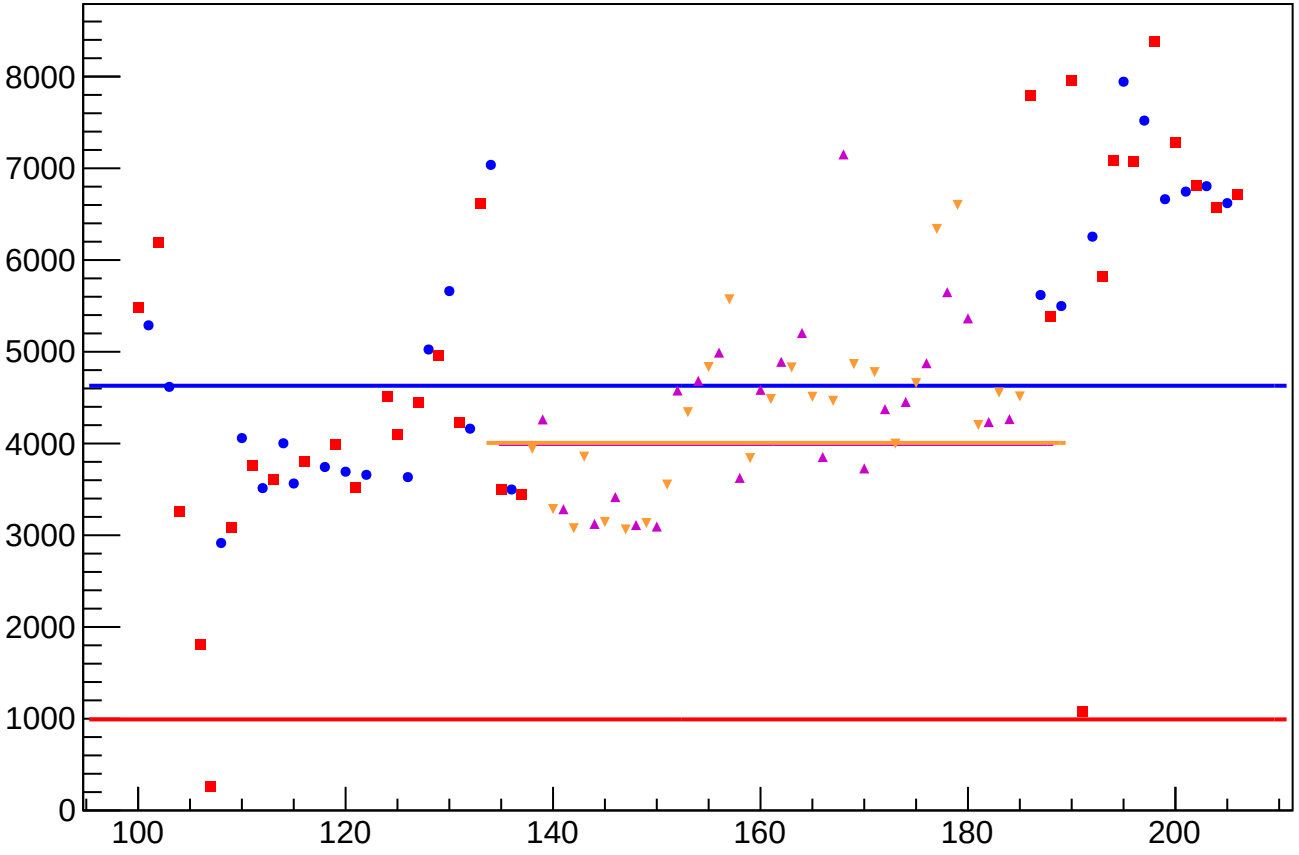
Left In: 56.377+/-956.388 χ^2/NDF:14.3/22

+ sign 85.739+/-758.191 χ^2/NDF: 54.6/49

All: -137.326+/-380.193 χ^2/NDF: 103.0/103

- sign -212.258+/-439.434 χ^2/NDF: 48.3/53

asym_atl1r2_dd_eigen_cor_correction_rms vs Slug



Right In: 4629.691+/-0.916 χ^2/NDF: 2364651.6/24

Left Out: 4006.990+/-0.661 χ^2/NDF:1503698.2/24

Right Out: 992.646+/-0.350 χ^2/NDF: 23974700.7/30

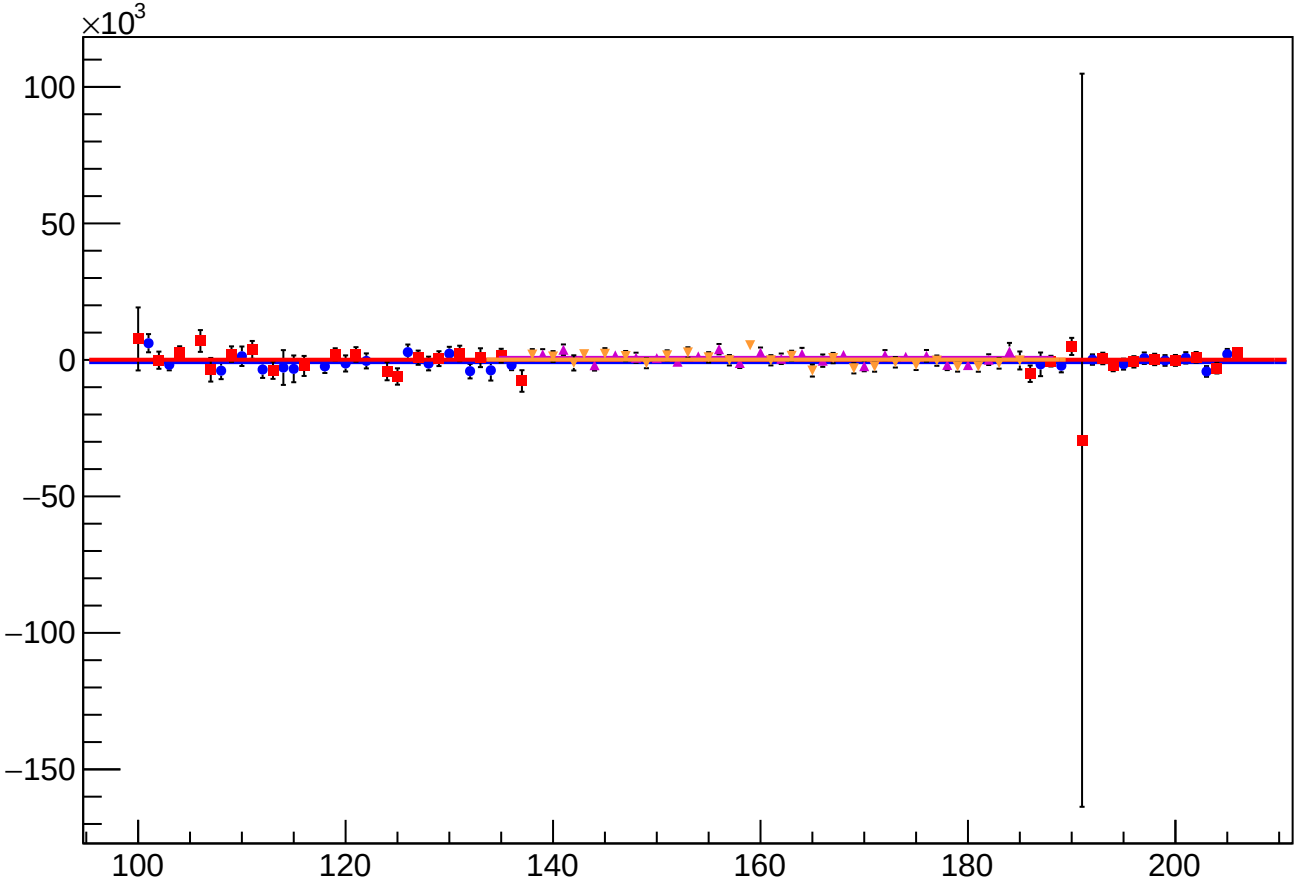
Left In: 3994.972+/-0.676 χ^2/NDF:1538098.4/22

+ sign 4220.351+/-0.536 χ^2/NDF: 4172208.1/49

All: 2278.710+/-0.269 χ^2/NDF: 62755844.0/1

- sign 1626.482+/-0.311 χ^2/NDF: 41061400.5/53

dit_asym_atl1r2_dd_mean vs Slug



Right In: -816.254+/-497.793 χ^2/NDF: 20.5/24

Left Out: 119.959+/-389.458 χ^2/NDF:29.7/24

Right Out: 65.673+/-467.431 χ^2/NDF: 32.7/30

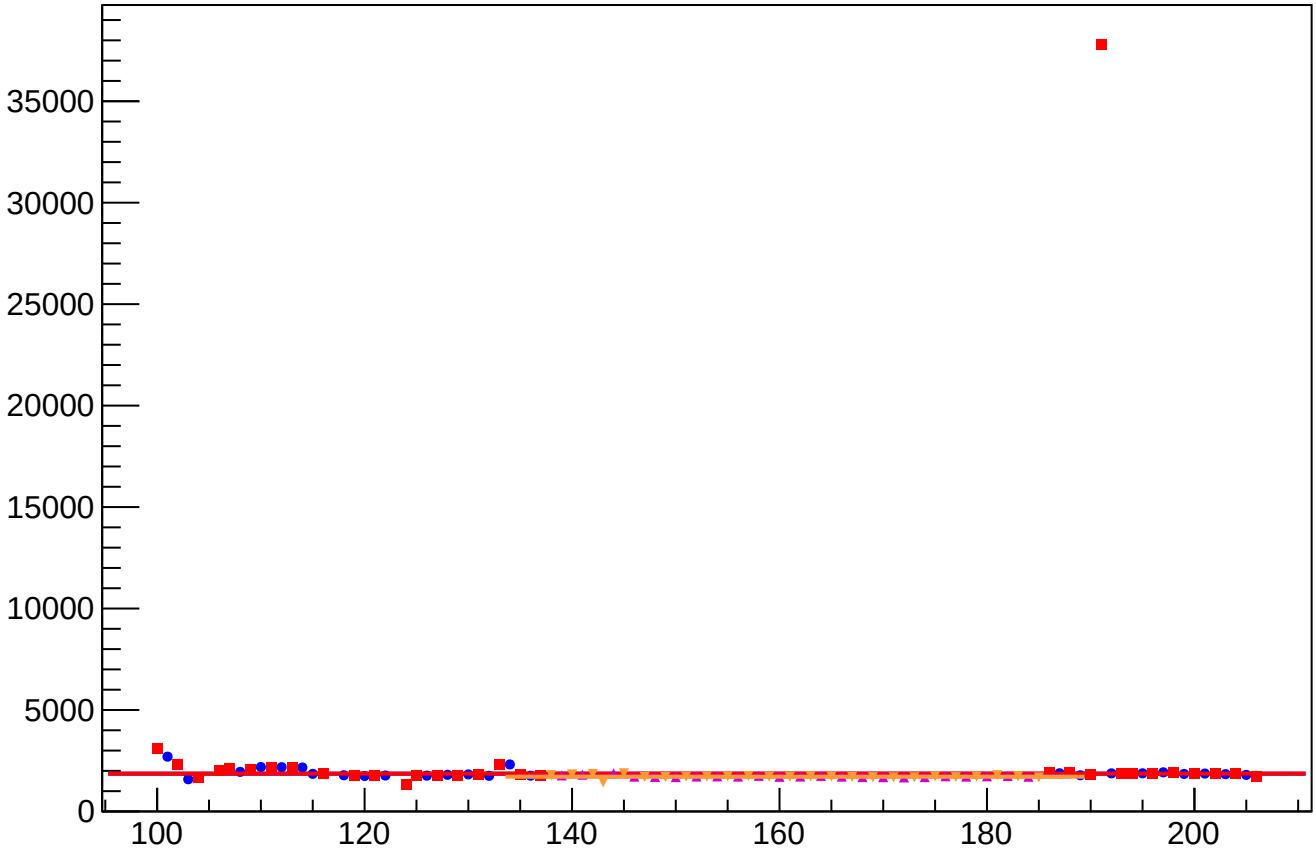
Left In: 741.191+/-404.161 χ^2/NDF:19.0/22

+ sign -235.514+/-306.736 χ^2/NDF: 52.3/49

All: 109.483+/-216.537 χ^2/NDF: 107.8/103

- sign 452.211+/-305.726 χ^2/NDF: 52.9/53

dit_asym_atl1r2_dd_rms vs Slug



Right In: 1861.125+/-0.352 χ^2/NDF: 263068.9/24

Left Out: 1712.310+/-0.275 χ^2/NDF:94399.0/24

Right Out: 1864.353+/-0.330 χ^2/NDF: 430128.9/30

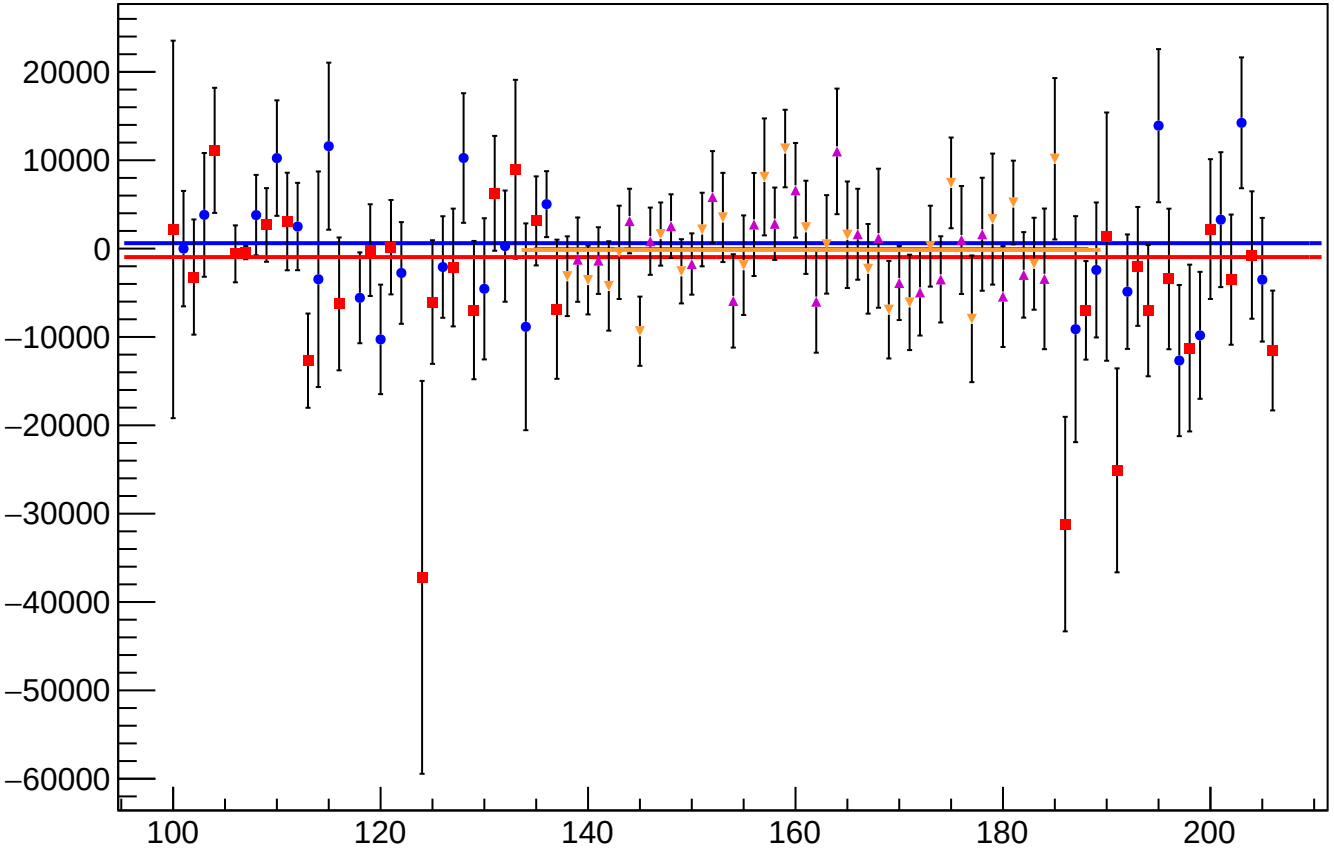
Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1768.813+/-0.217 χ^2/NDF: 468342.8/49

All: 1778.287+/-0.153 χ^2/NDF: 1019455.3/10

- sign 1787.695+/-0.216 χ^2/NDF: 547310.4/53

asym_atl1r2_dd_dit_correction_mean vs Slug



Right In: 614.641+/-1305.756 χ^2/NDF: 26.0/24

Left Out: -150.169+/-984.984 χ^2/NDF:26.9/24

Right Out: -960.380+/-632.429 χ^2/NDF: 33.9/30

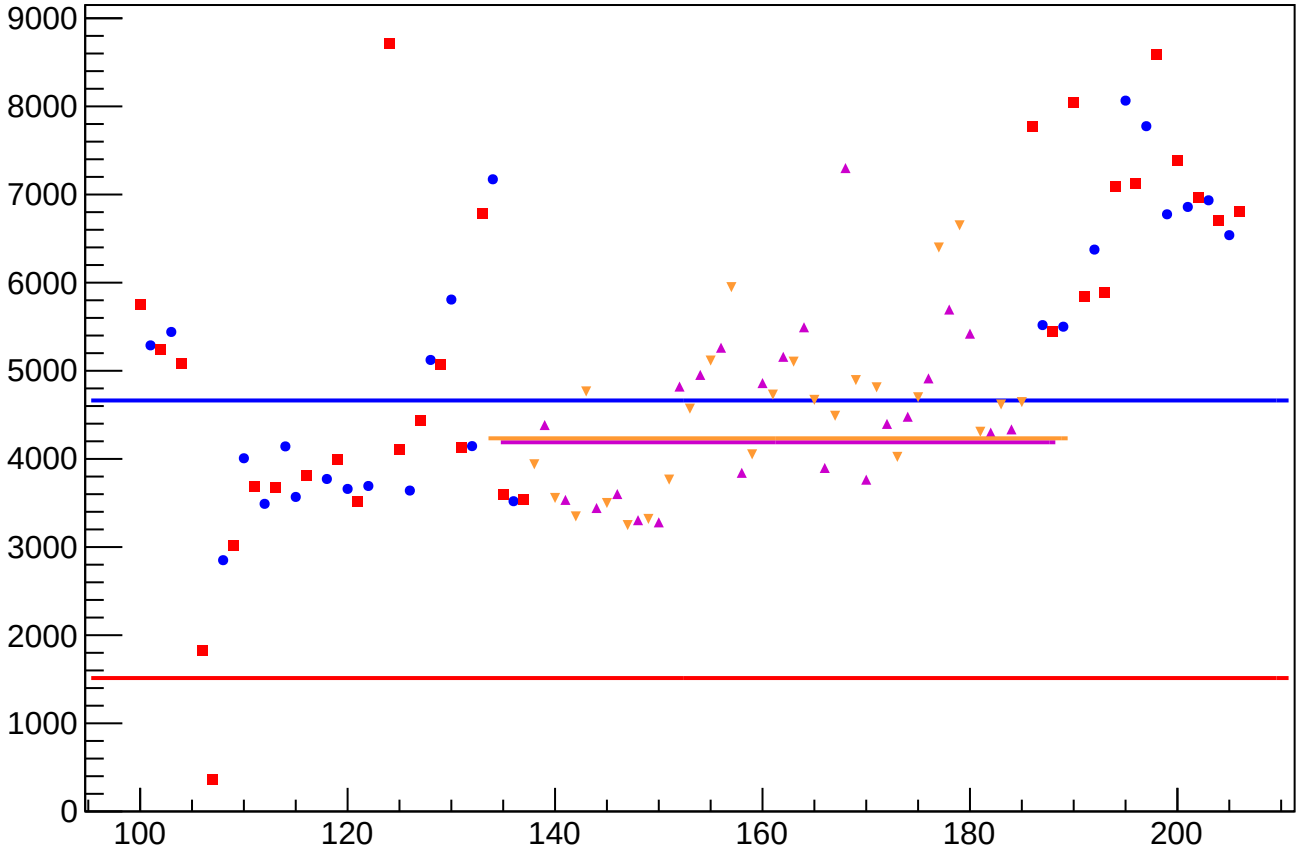
Left In: -65.169+/-1000.106 χ^2/NDF:14.0/22

+ sign 127.200+/-786.346 χ^2/NDF: 53.0/49

All: -441.762+/-442.061 χ^2/NDF: 102.3/103

- sign -704.660+/-534.523 χ^2/NDF: 48.5/53

asym_atl1r2_dd_dit_correction_rms vs Slug



Right In: 4663.232+/-0.923 χ^2/NDF: 2513597.8/24

Left Out: 4233.905+/-0.696 χ^2/NDF:1284783.2/24

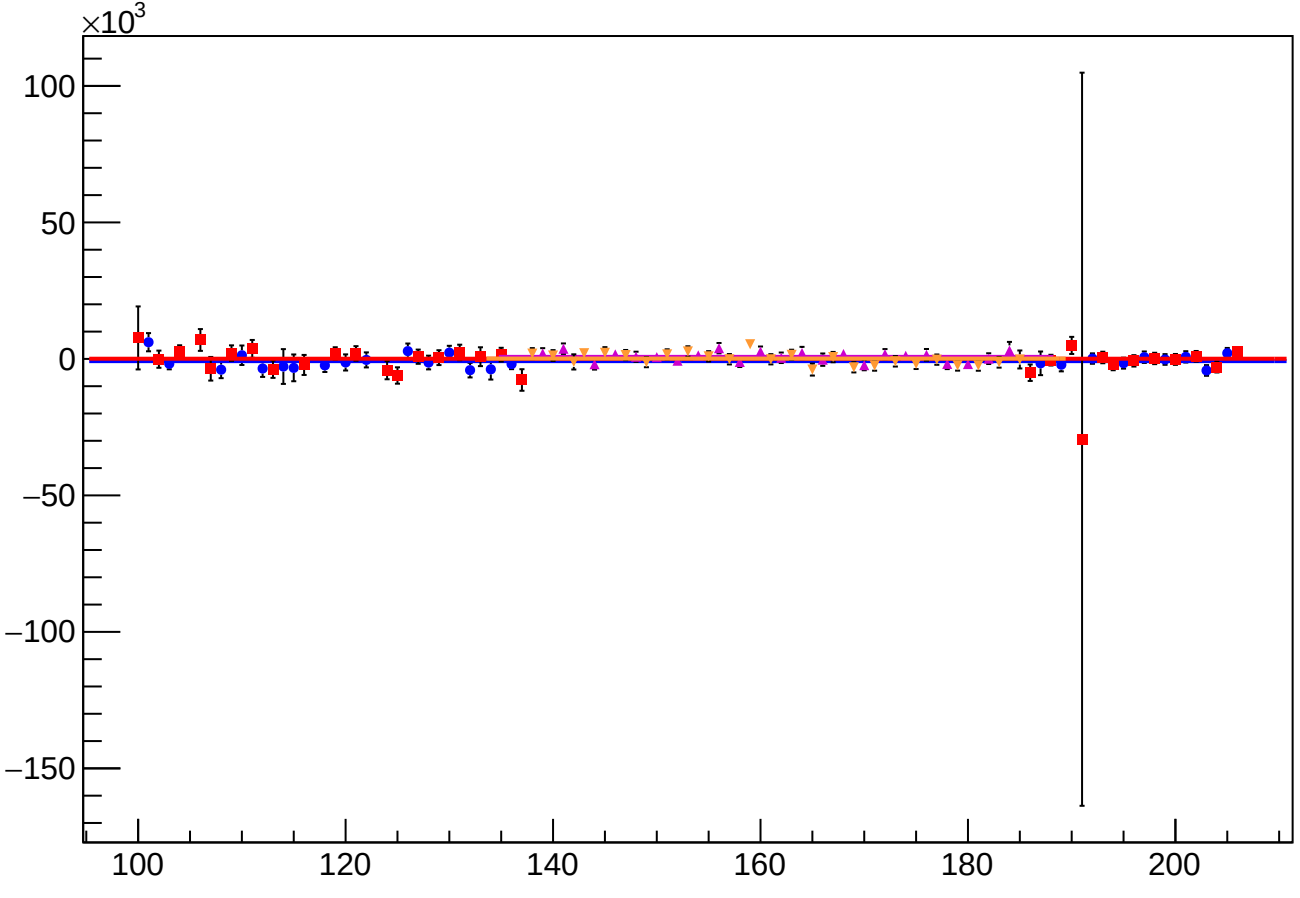
Right Out: 1513.665+/-0.447 χ^2/NDF: 21224213.4/30

Left In: 4188.874+/-0.707 χ^2/NDF:1344602.0/22

+ sign 4389.606+/-0.556 χ^2/NDF: 3936181.8/49

All: 2945.242+/-0.313 χ^2/NDF: 46593199.7/1

- sign 2277.849+/-0.378 χ^2/NDF: 32791421.2/53



Right In: -816.254+/-497.793 χ^2/NDF: 20.5/24

Left Out: 119.962+/-389.458 χ^2/NDF:29.7/24

Right Out: 65.673+/-467.431 χ^2/NDF: 32.7/30

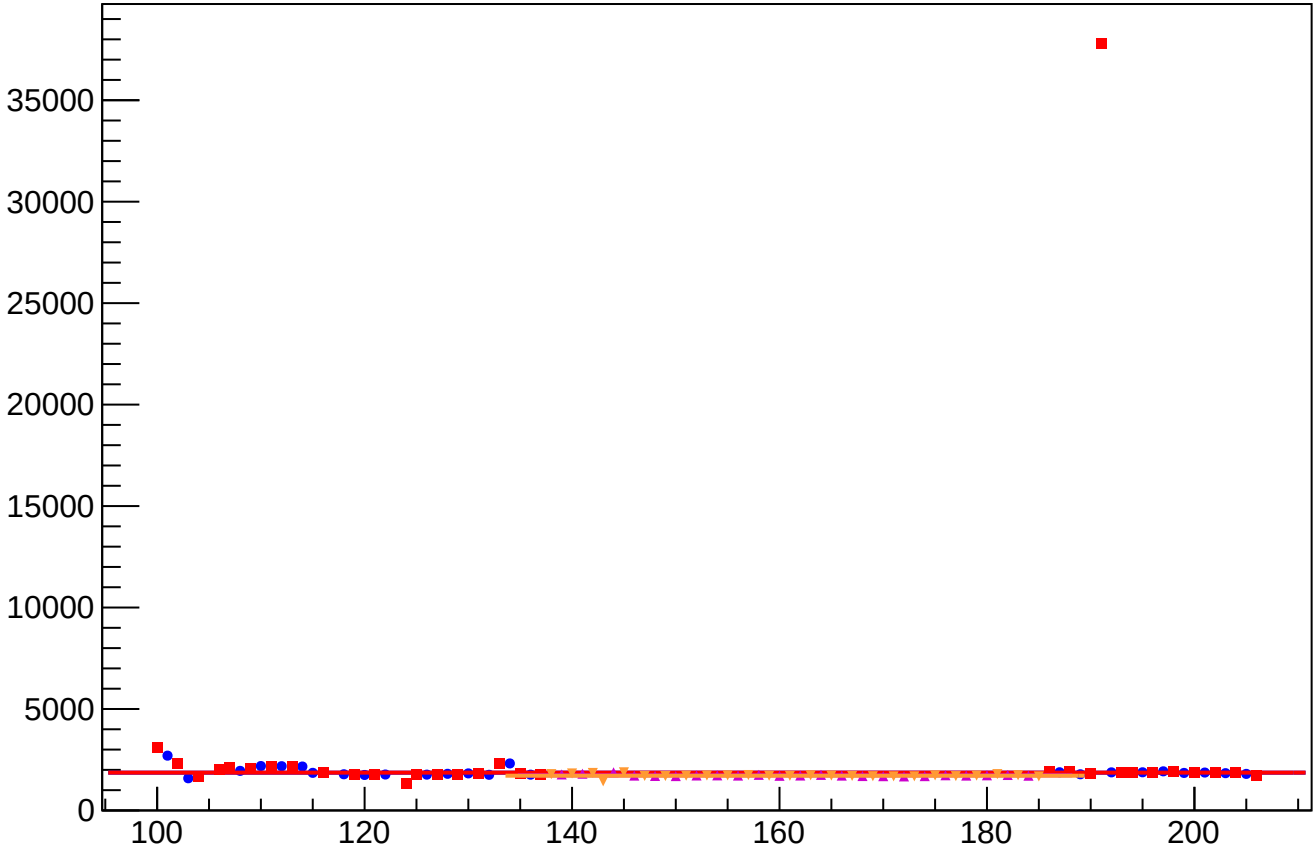
Left In: 741.189+/-404.161 χ^2/NDF:19.0/22

+ sign -235.512+/-306.736 χ^2/NDF: 52.3/49

All: 109.483+/-216.537 χ^2/NDF: 107.8/103

- sign 452.211+/-305.726 χ^2/NDF: 52.9/53

eigen_dit_asym_atl1r2_dd_rms vs Slug



Right In: 1861.125+/-0.352 χ^2/NDF: 263068.9/24

Left Out: 1712.310+/-0.275 χ^2/NDF:94398.1/24

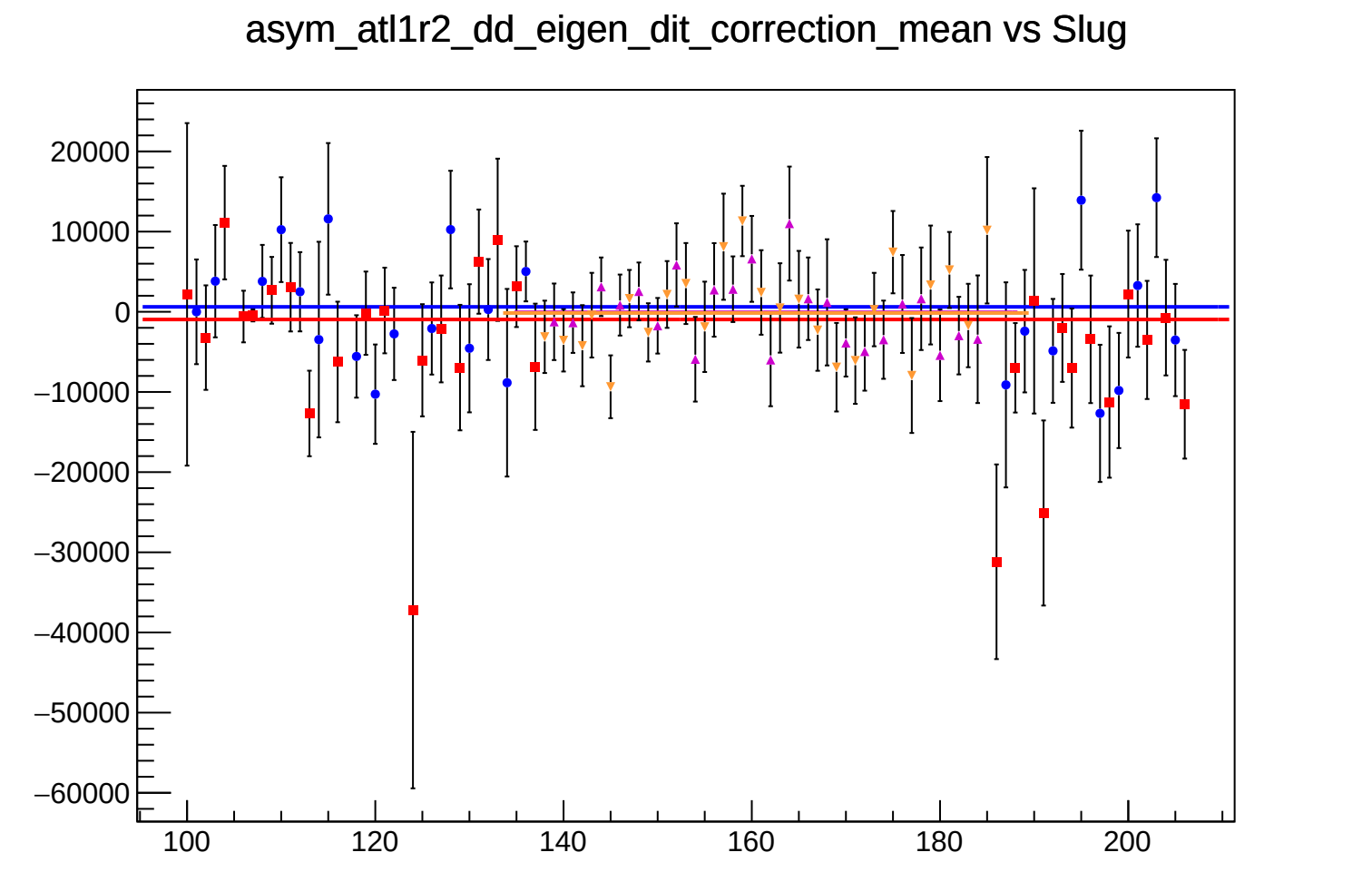
Right Out: 1864.353+/-0.330 χ^2/NDF: 430129.2/30

Left In: 1730.342+/-0.286 χ^2/NDF:23075.7/22

+ sign 1768.814+/-0.217 χ^2/NDF: 468340.8/49

All: 1778.287+/-0.153 χ^2/NDF: 1019453.0/10

- sign 1787.695+/-0.216 χ^2/NDF: 547310.1/53



Right In: 614.628+/-1305.755 χ^2/NDF: 26.0/24

Left Out: -150.169+/-984.986 χ^2/NDF:26.9/24

Right Out: -960.401+/-632.439 χ^2/NDF: 33.9/30

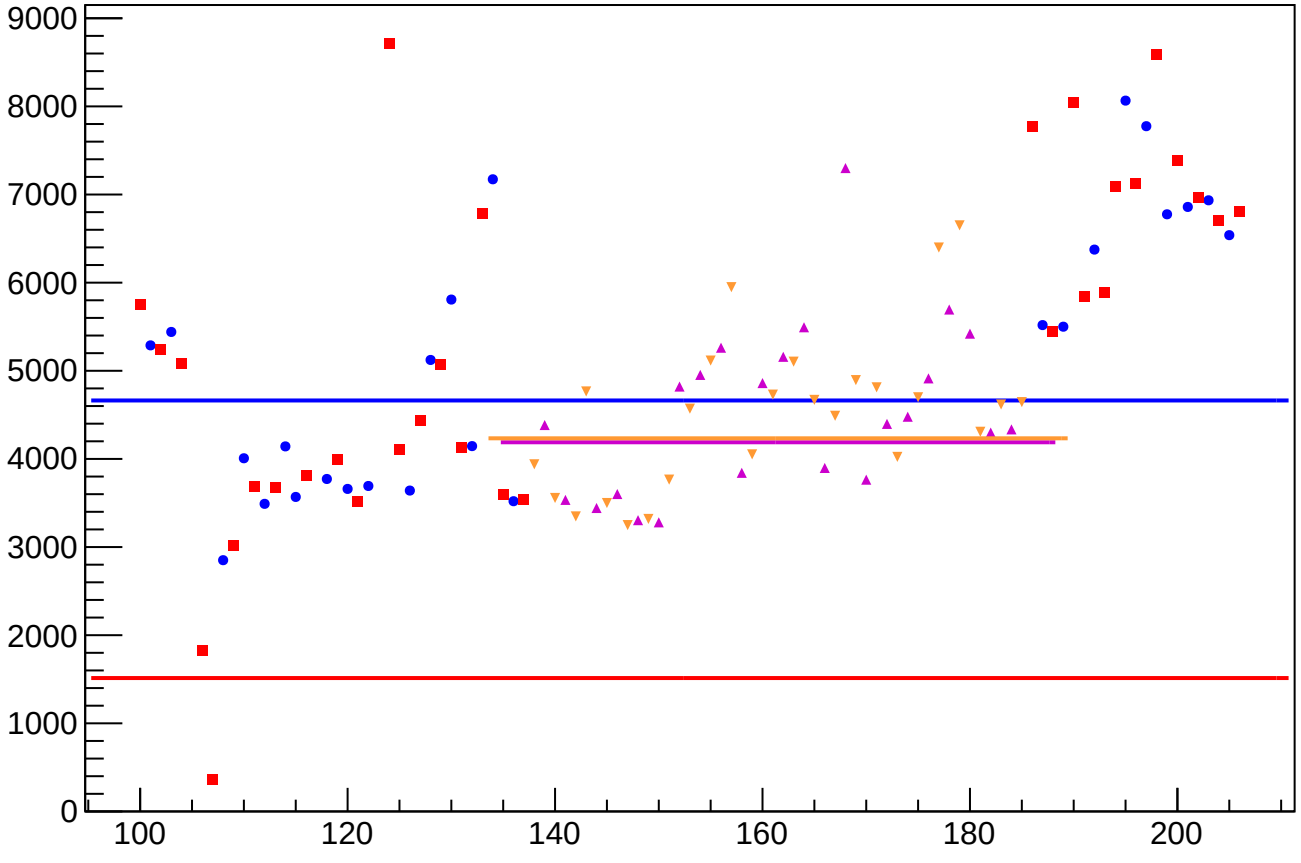
Left In: -65.171+/-1000.108 χ^2/NDF:14.0/22

+ sign 127.196+/-786.347 χ^2/NDF: 53.0/49

All: -441.766+/-442.065 χ^2/NDF: 102.3/103

- sign -704.670+/-534.529 χ^2/NDF: 48.5/53

asym_atl1r2_dd_eigen_dit_correction_rms vs Slug



Right In: 4663.227+/-0.923 χ^2/NDF: 2513613.9/24

Left Out: 4233.911+/-0.696 χ^2/NDF:1284785.6/24

Right Out: 1513.707+/-0.447 χ^2/NDF: 21223938.0/30

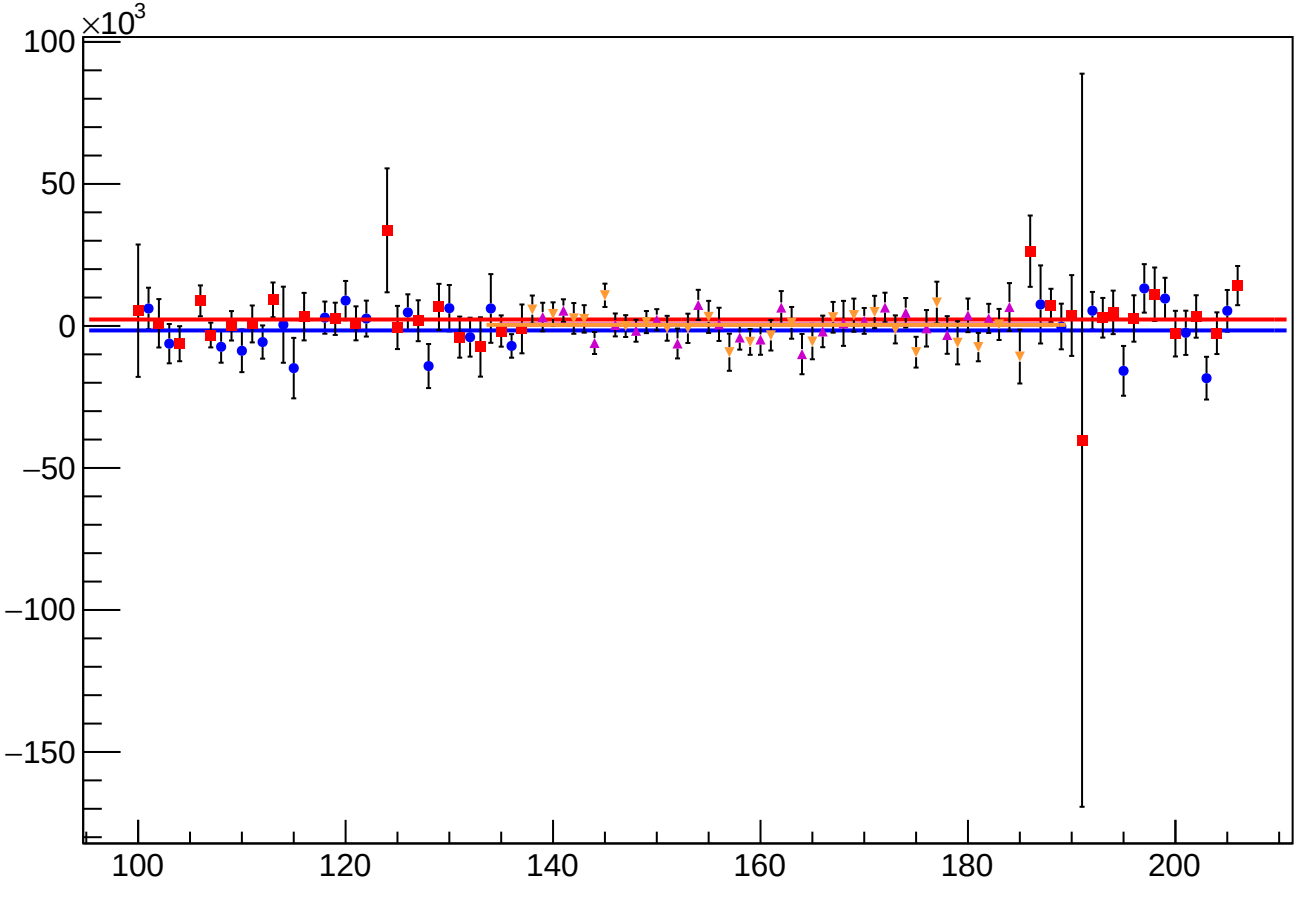
Left In: 4188.880+/-0.707 χ^2/NDF:1344607.0/22

+ sign 4389.608+/-0.556 χ^2/NDF: 3936193.1/49

All: 2945.284+/-0.313 χ^2/NDF: 46592070.8/1

- sign 2277.895+/-0.378 χ^2/NDF: 32790770.2/53

asym_atl1r2_dd_mean vs Slug



Right In: -1580.885+/-1422.841 χ^2/NDF: 31.2/24

Left Out: 398.336+/-1028.431 χ^2/NDF:24.7/24

Right Out: 2273.181+/-1296.461 χ^2/NDF: 20.7/30

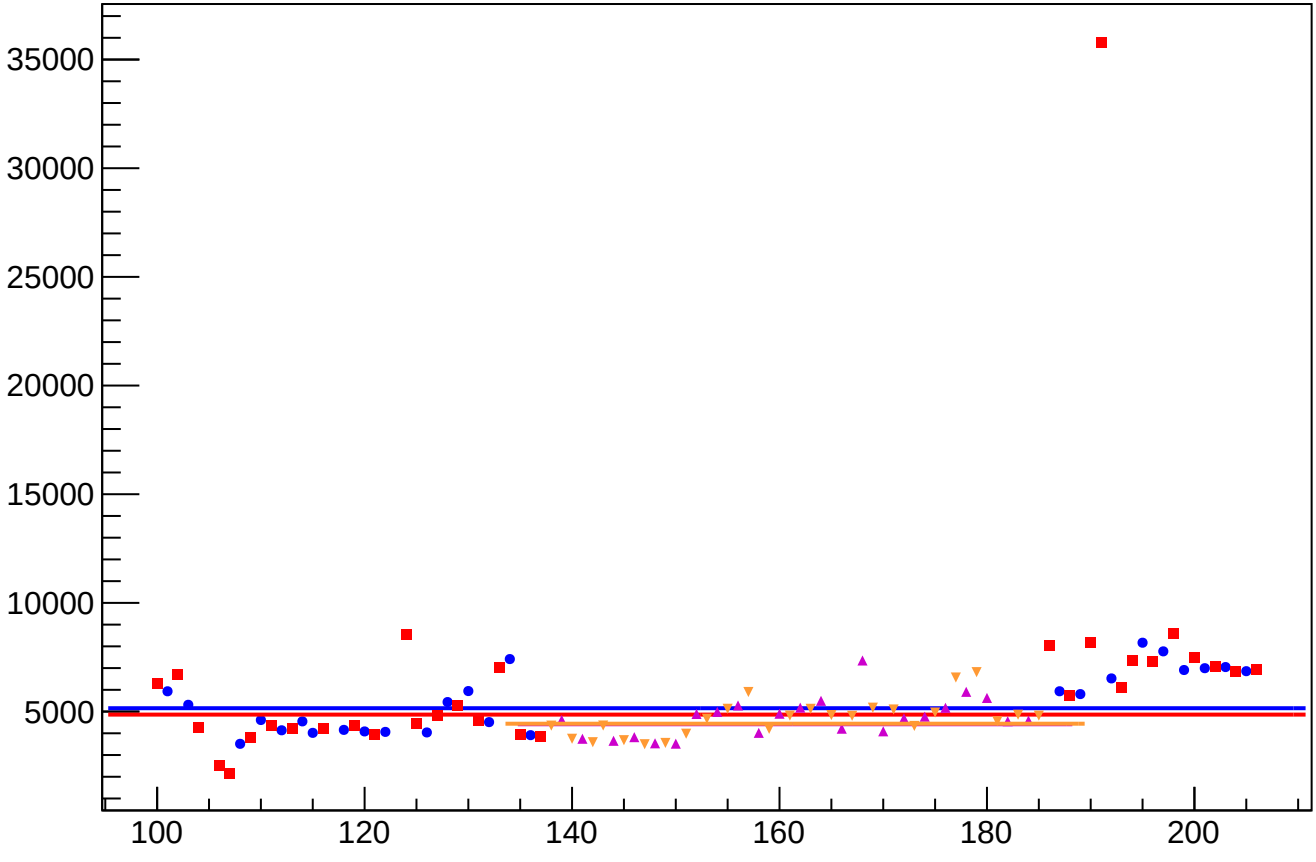
Left In: 502.999+/-1049.682 χ^2/NDF:17.3/22

+ sign -280.854+/-833.499 χ^2/NDF: 57.2/49

All: 477.462+/-583.018 χ^2/NDF: 98.0/103

- sign 1203.931+/-815.809 χ^2/NDF: 39.2/53

asym_atl1r2_dd_rms vs Slug



Right In: 5153.656+/-1.006 χ^2/NDF: 1800902.9/24

Left Out: 4440.810+/-0.727 χ^2/NDF:1073119.1/24

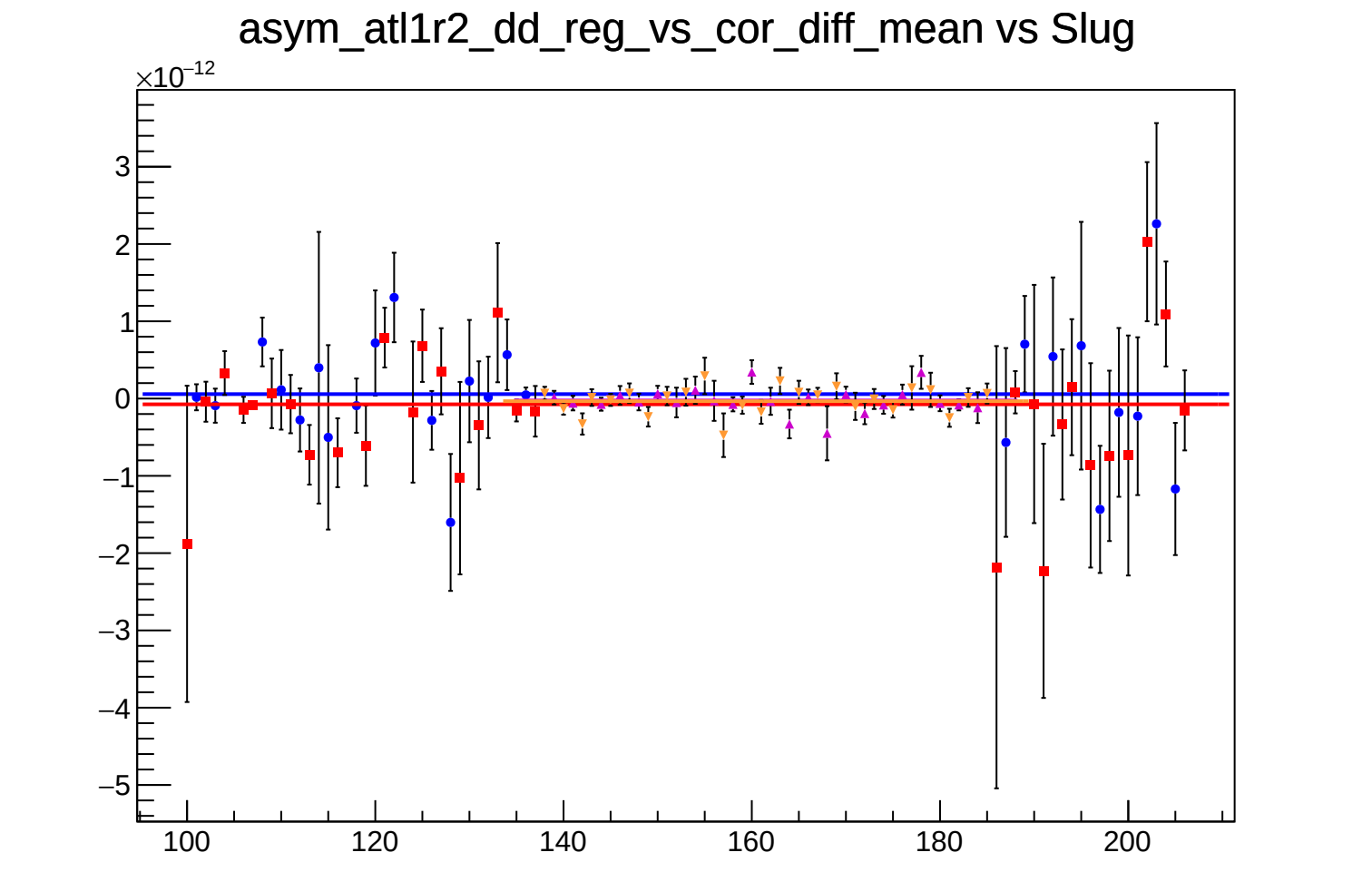
Right Out: 4859.581+/-0.910 χ^2/NDF: 3680248.6/30

Left In: 4415.366+/-0.742 χ^2/NDF:1111411.1/22

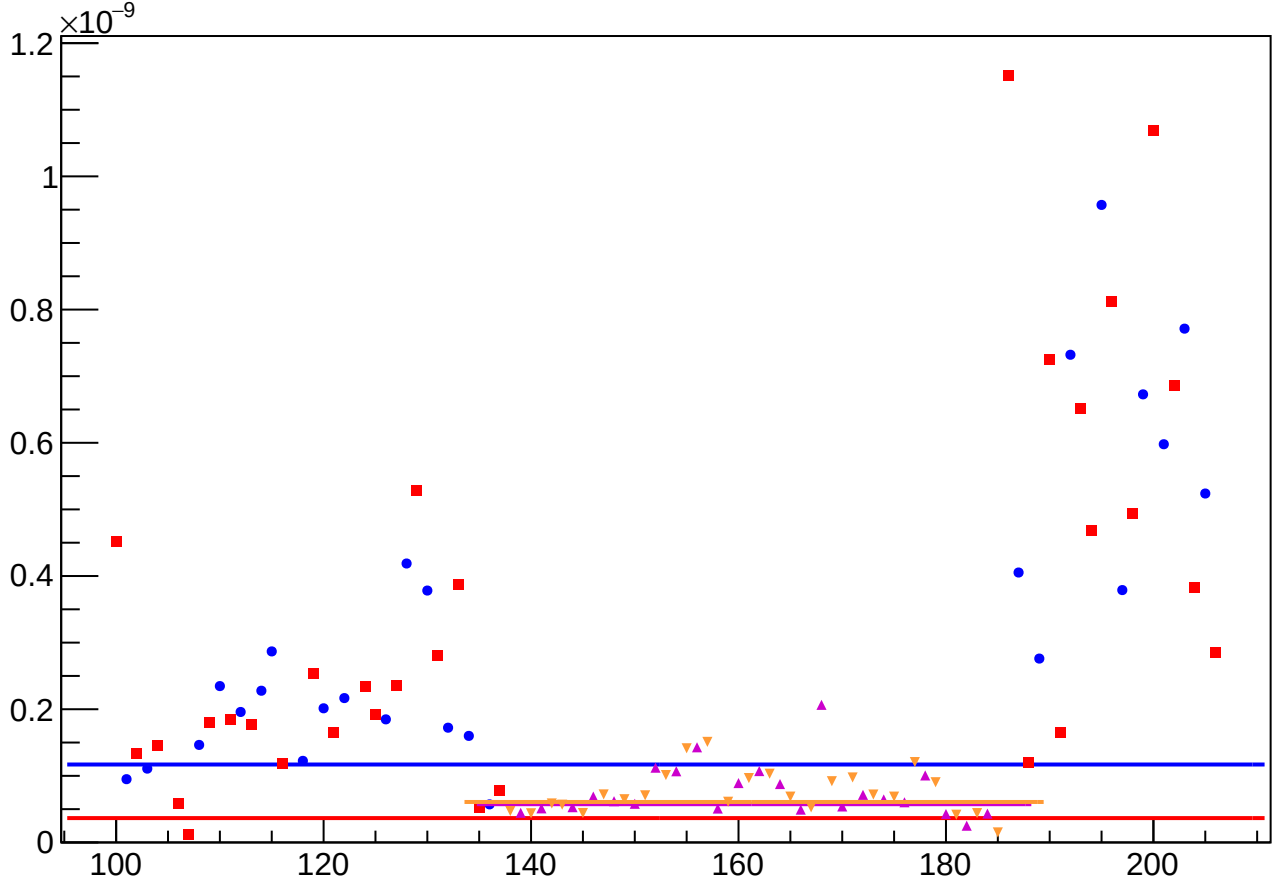
+ sign 4685.430+/-0.589 χ^2/NDF: 3203759.3/49

All: 4637.969+/-0.412 χ^2/NDF: 8151113.3/10

- sign 4592.755+/-0.575 χ^2/NDF: 4934691.5/53


asym_atl1r2_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
−5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 27.5/24
Left Out: -0.000+/-0.000 χ²/NDF:28.5/24
Right Out: -0.000+/-0.000 χ²/NDF: 30.9/30
Left In: -0.000+/-0.000 χ²/NDF:19.3/22
+ sign -0.000+/-0.000 χ²/NDF: 57.6/49
All: -0.000+/-0.000 χ²/NDF: 109.6/103
- sign -0.000+/-0.000 χ²/NDF: 51.6/53

asym_atl1r2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5328888.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1723737.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10328673.7/30

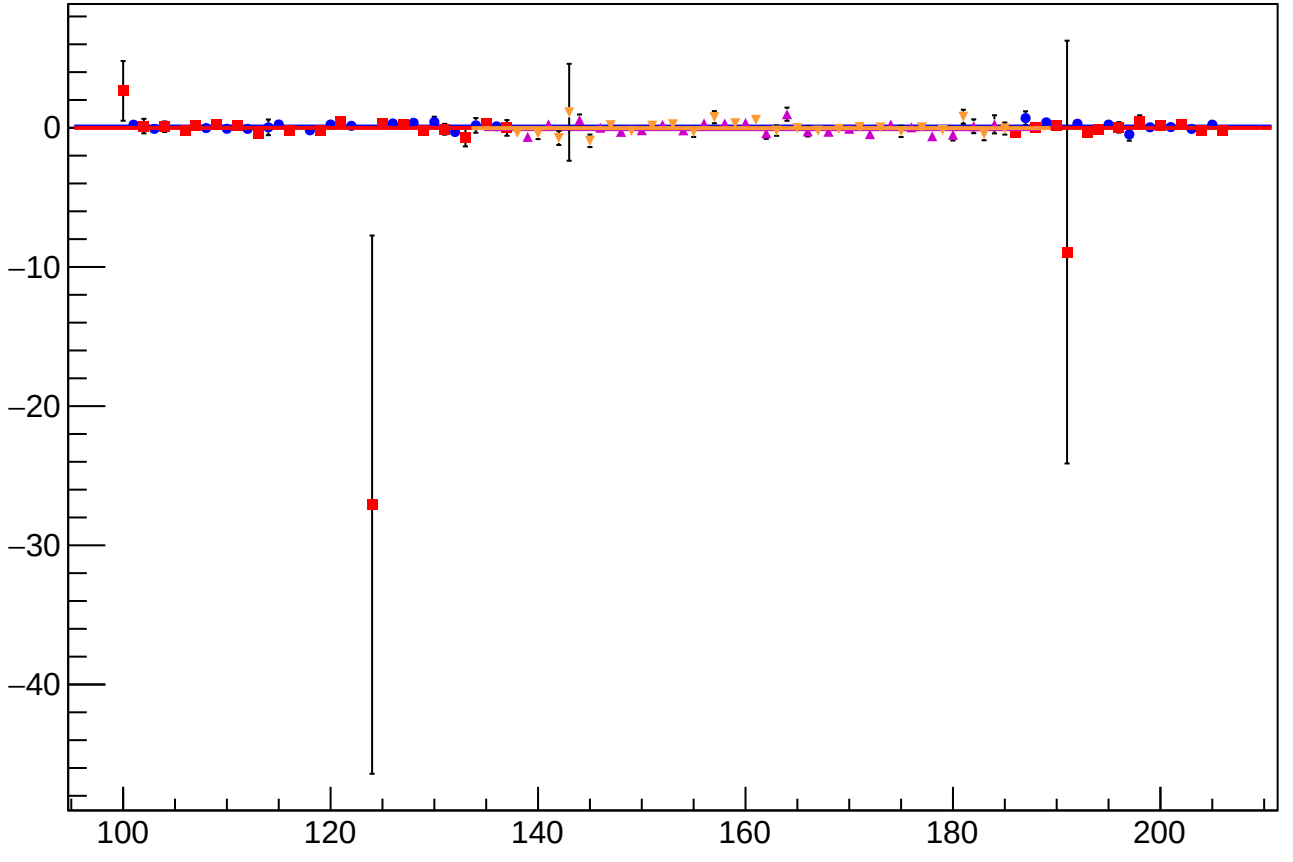
Left In: 0.000+/-0.000 χ^2/NDF:1878360.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8307313.7/49

All: 0.000+/-0.000 χ^2/NDF: 21705562.7/103

- sign 0.000+/-0.000 χ^2/NDF: 12726171.5/53

asym_atl1r2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.008+/-0.047 χ^2/NDF: 29.5/30

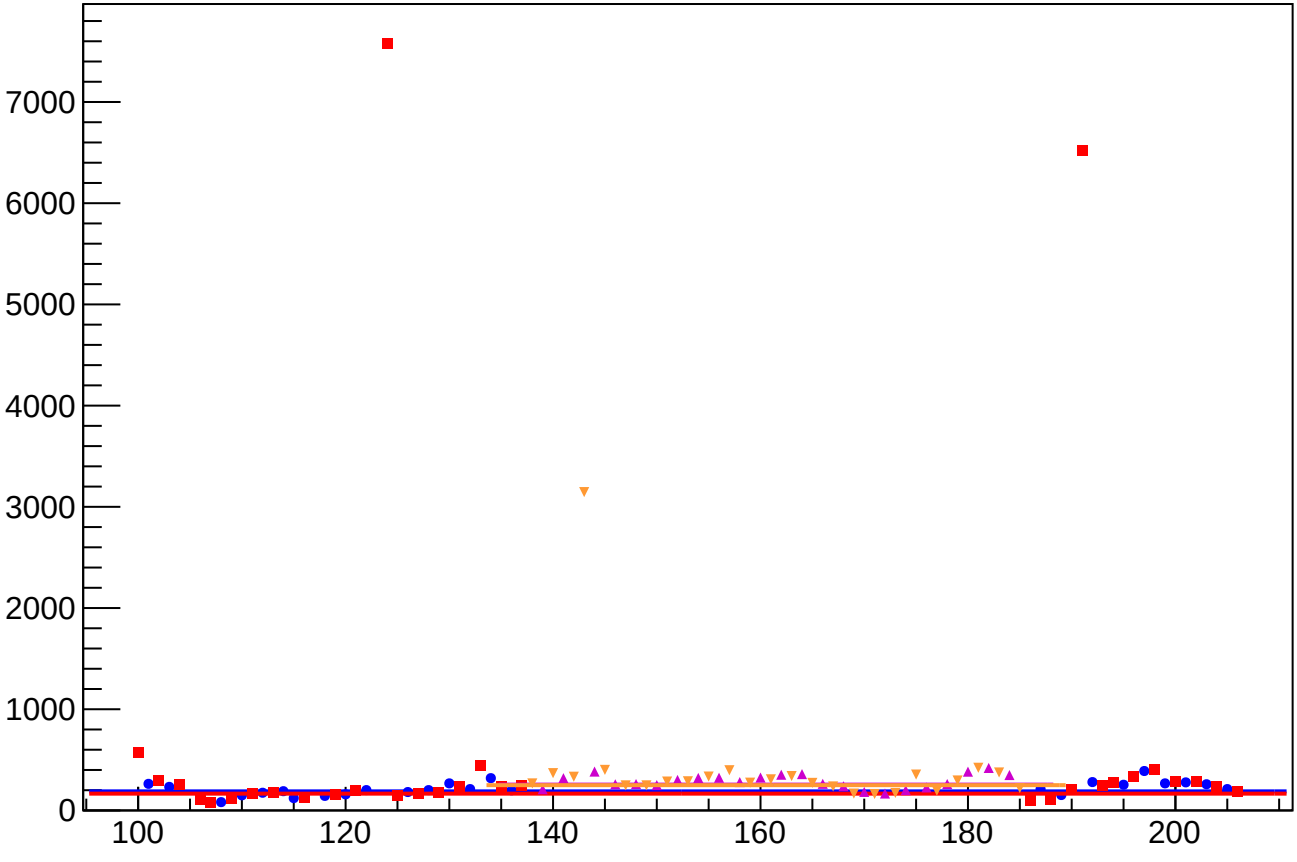
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.040+/-0.041 χ^2/NDF: 40.0/49

All: -0.003+/-0.028 χ^2/NDF: 104.2/103

- sign -0.039+/-0.038 χ^2/NDF: 62.2/53

asym_atl1r2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 188.622+/-0.039 χ^2/NDF: 2955779.8/24

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

Right Out: 166.084+/-0.033 χ^2/NDF: 5300289.1/30

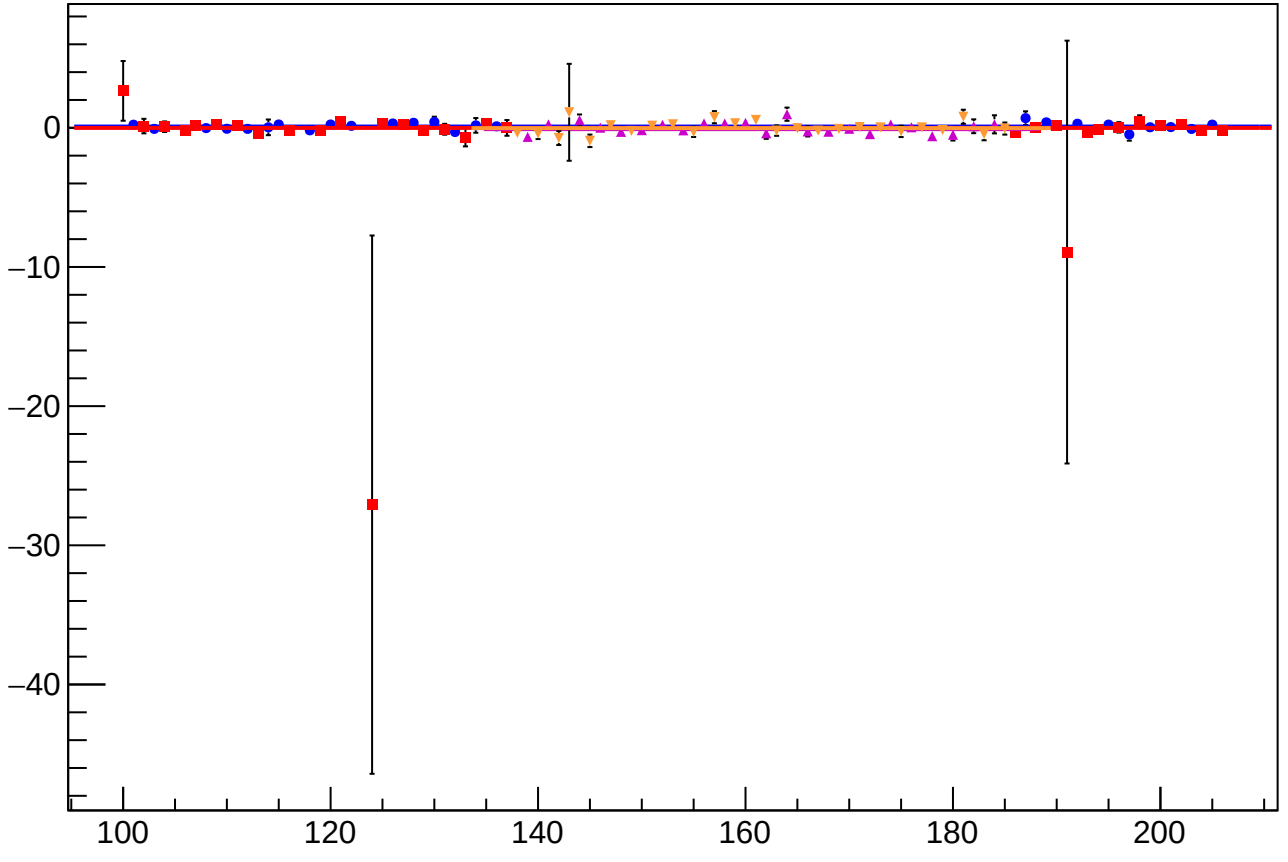
Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 215.589+/-0.029 χ^2/NDF: 8295175.2/49

All: 206.044+/-0.020 χ^2/NDF: 18486310.9/10

- sign 197.953+/-0.027 χ^2/NDF: 9989825.1/53

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.008+/-0.047 χ^2/NDF: 29.5/30

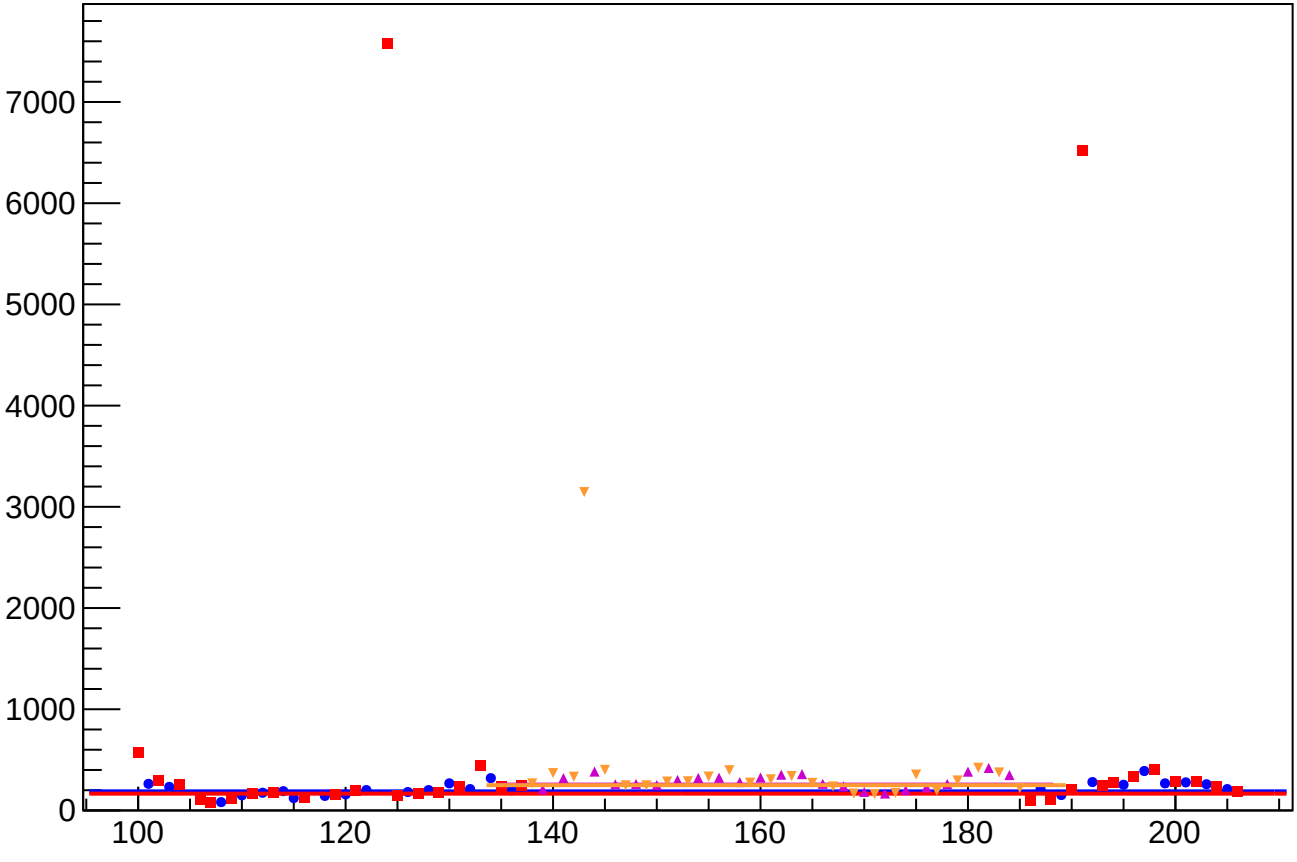
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.040+/-0.041 χ^2/NDF: 40.0/49

All: -0.003+/-0.028 χ^2/NDF: 104.2/103

- sign -0.039+/-0.038 χ^2/NDF: 62.2/53

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 188.622+/-0.039 χ^2/NDF: 2955779.8/24

Left Out: 249.848+/-0.044 χ^2/NDF:4234507.4/24

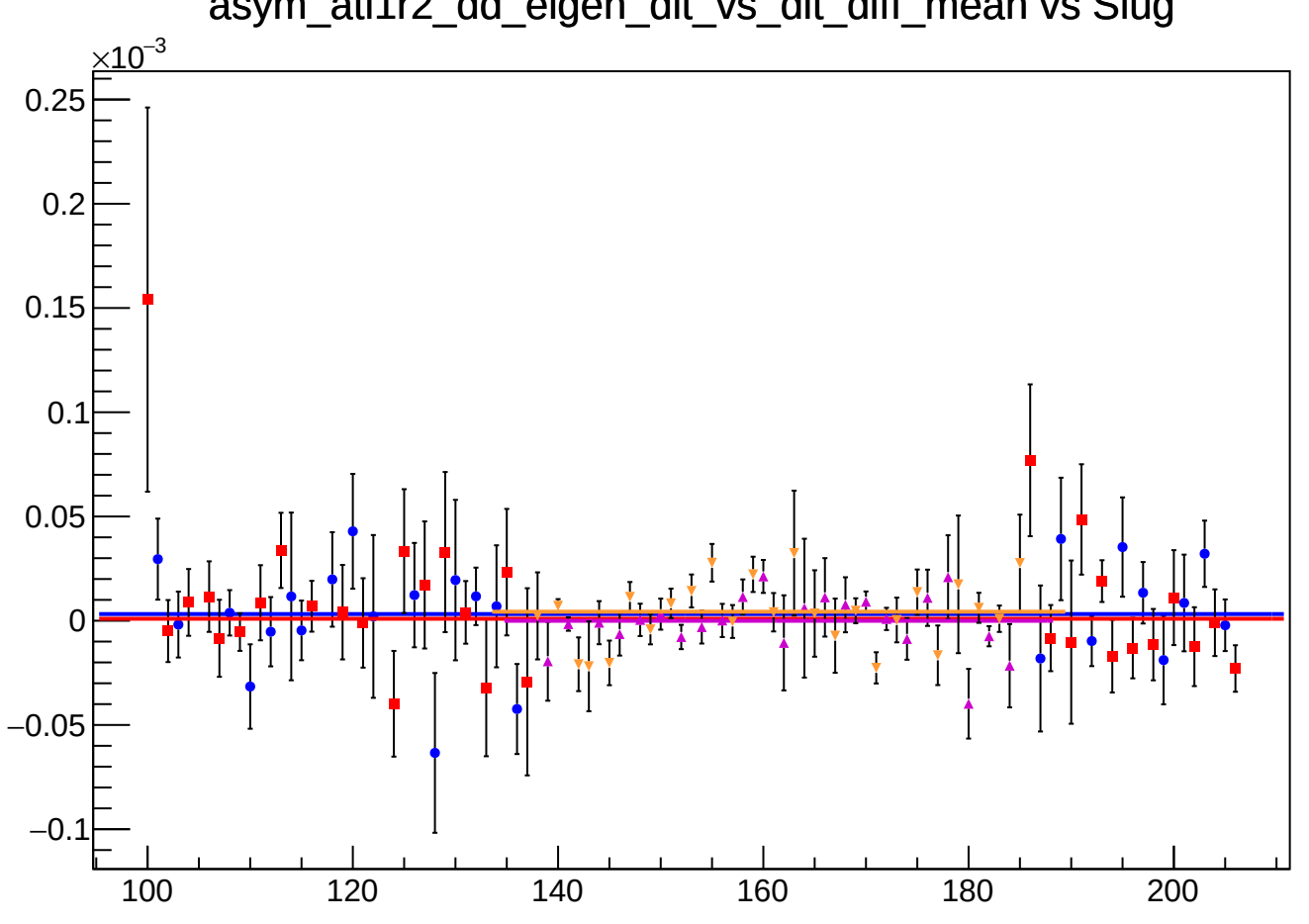
Right Out: 166.084+/-0.033 χ^2/NDF: 5300289.1/30

Left In: 255.299+/-0.045 χ^2/NDF:2111552.0/22

+ sign 215.589+/-0.029 χ^2/NDF: 8295175.2/49

All: 206.044+/-0.020 χ^2/NDF: 18486310.9/10

- sign 197.953+/-0.027 χ^2/NDF: 9989825.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 26.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:46.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 34.0/30

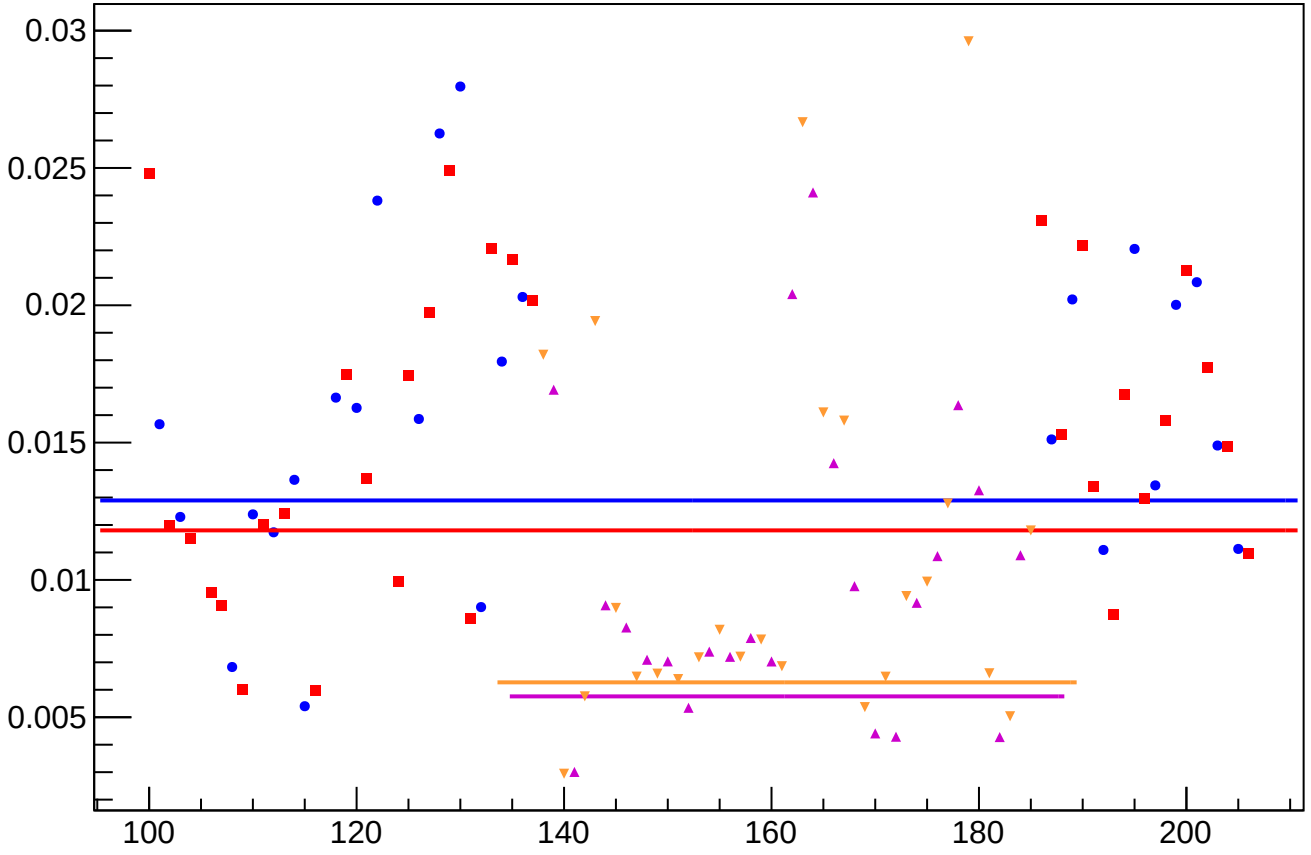
Left In: -0.000+/-0.000 χ^2/NDF:29.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.4/49

All: 0.000+/-0.000 χ^2/NDF: 139.1/103

- sign 0.000+/-0.000 χ^2/NDF: 63.1/53

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 3505401.9/24

Left Out: 0.006+/-0.000 χ^2/NDF:7909965.6/24

Right Out: 0.012+/-0.000 χ^2/NDF: 4097935.9/30

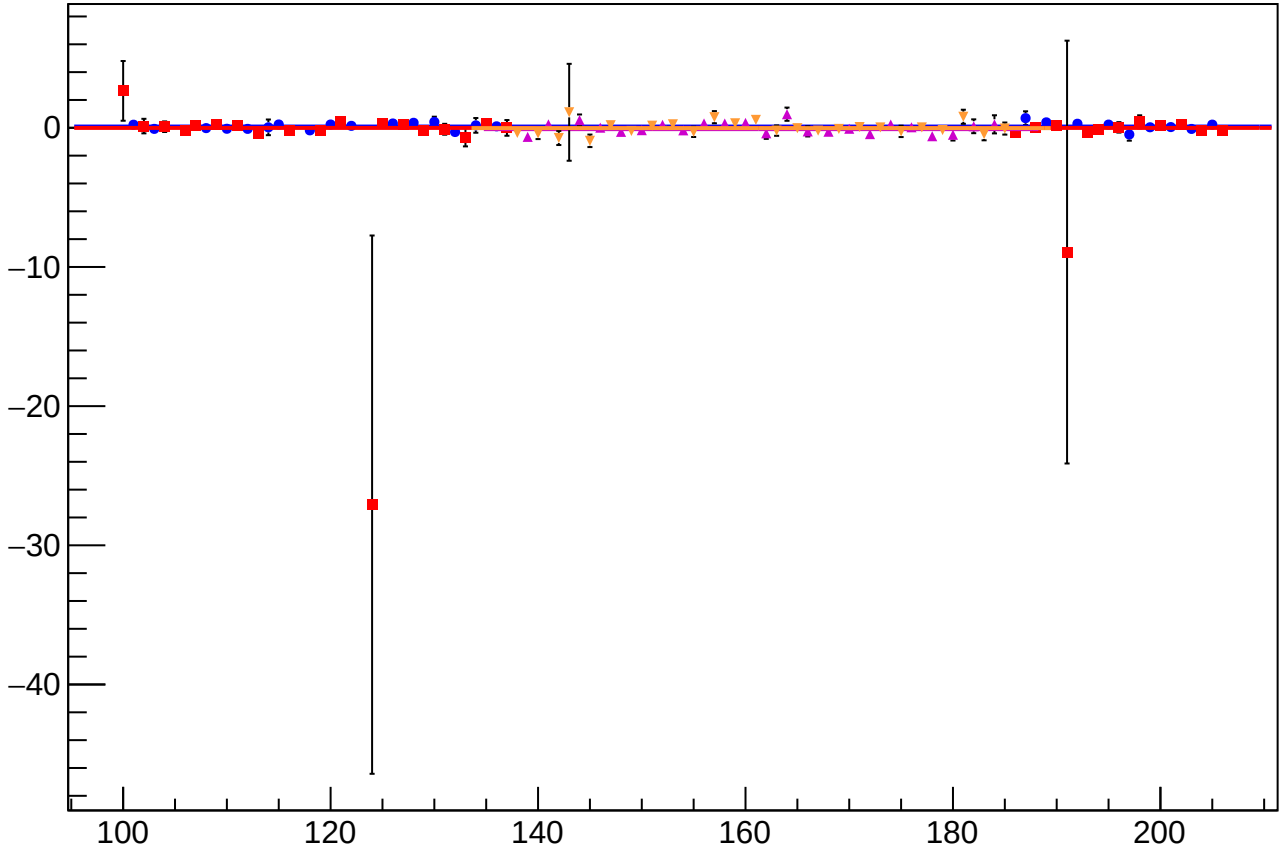
Left In: 0.006+/-0.000 χ^2/NDF:7081814.9/22

+ sign 0.007+/-0.000 χ^2/NDF: 16689580.4/49

All: 0.007+/-0.000 χ^2/NDF: 33810525.7/103

- sign 0.007+/-0.000 χ^2/NDF: 17052722.9/53

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

Right Out: -0.008+/-0.047 χ^2/NDF: 29.5/30

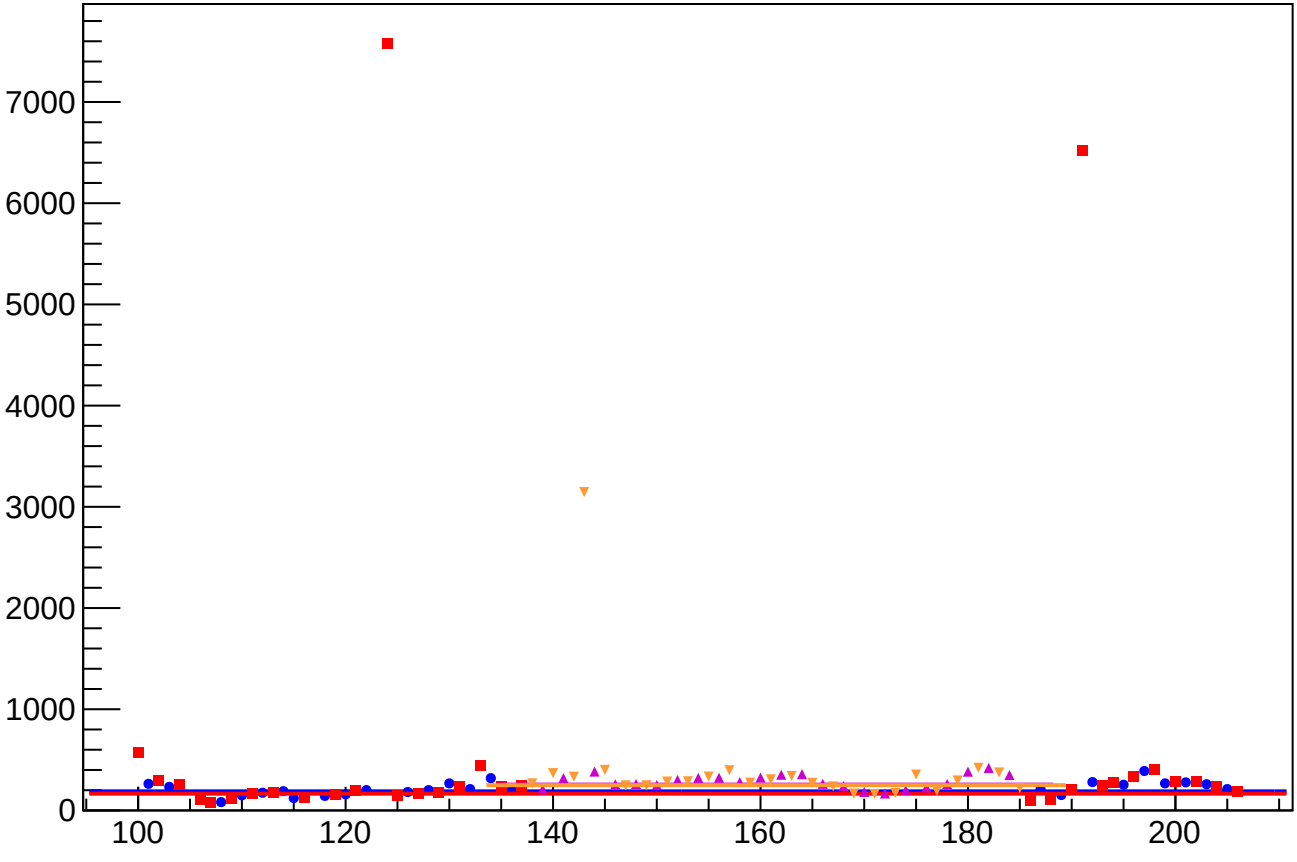
Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.040+/-0.041 χ^2/NDF: 40.0/49

All: -0.003+/-0.028 χ^2/NDF: 104.2/103

- sign -0.039+/-0.038 χ^2/NDF: 62.2/53

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 188.621+/-0.039 χ^2/NDF: 2955857.5/24

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

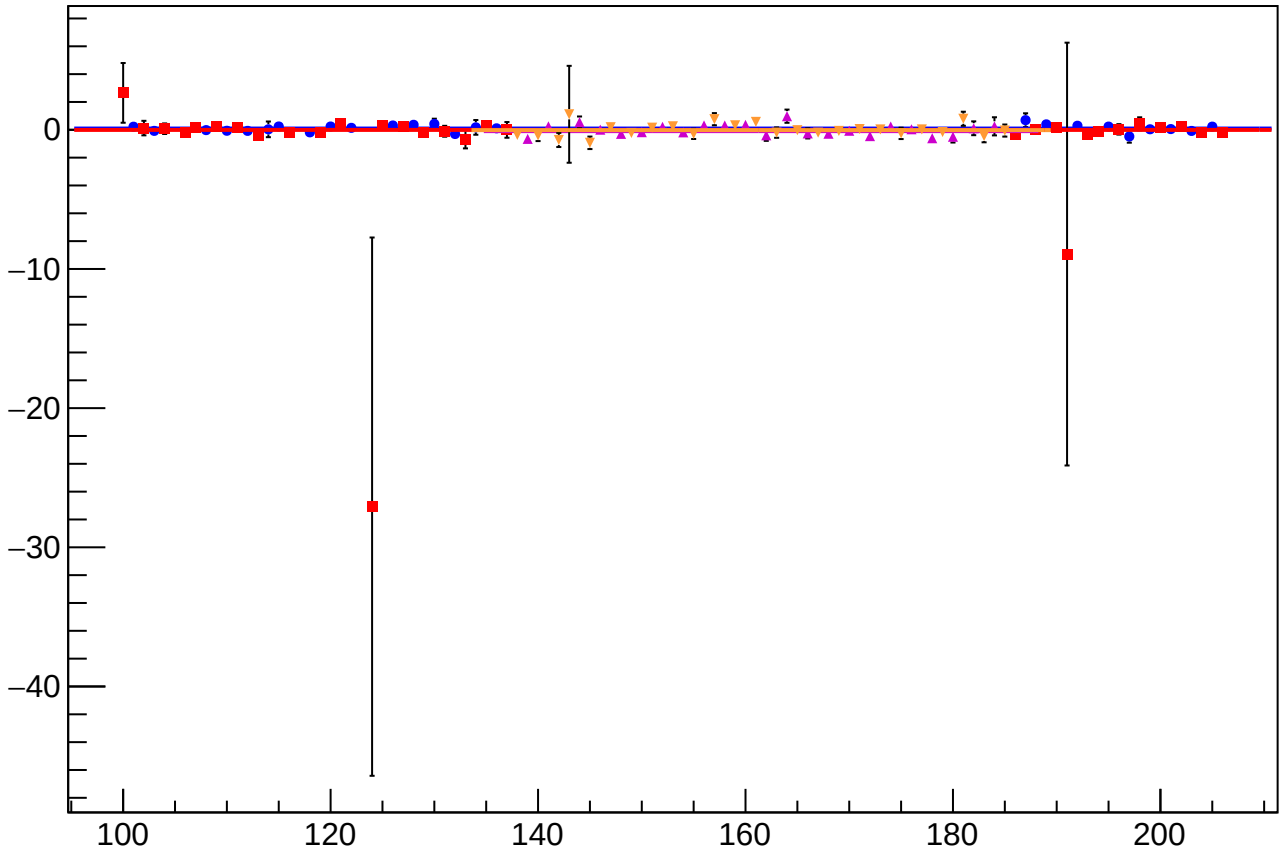
Right Out: 166.087+/-0.033 χ^2/NDF: 5300170.7/30

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 215.588+/-0.029 χ^2/NDF: 8295469.7/49

All: 206.046+/-0.020 χ^2/NDF: 18486389.1/10

- sign 197.955+/-0.027 χ^2/NDF: 9989684.4/53



Right In: 0.090+/-0.055 χ^2/NDF: 14.6/24

Left Out: -0.024+/-0.062 χ^2/NDF:23.5/24

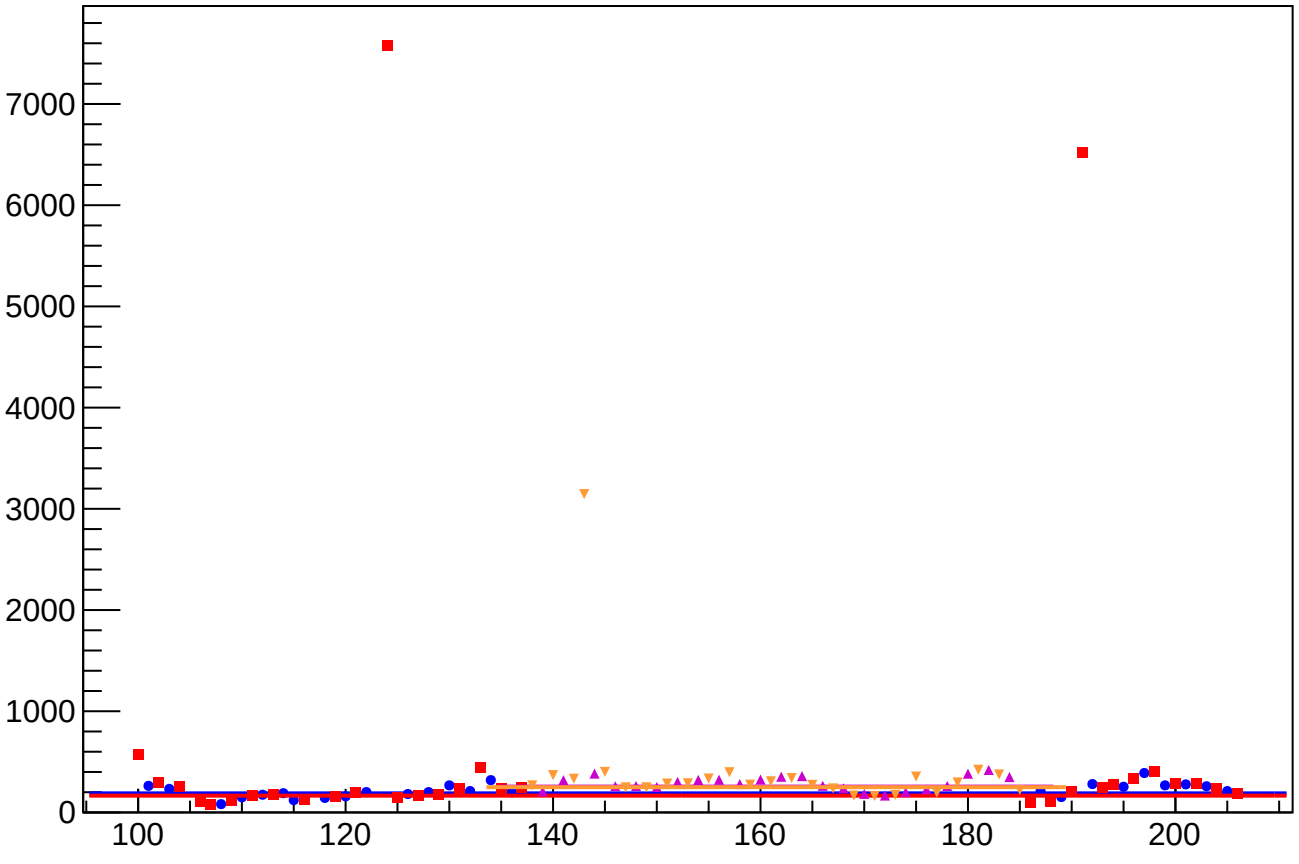
Right Out: -0.008+/-0.047 χ^2/NDF: 29.5/30

Left In: -0.095+/-0.063 χ^2/NDF:31.5/22

+ sign 0.040+/-0.041 χ^2/NDF: 40.0/49

All: -0.003+/-0.028 χ^2/NDF: 104.2/103

- sign -0.039+/-0.038 χ^2/NDF: 62.2/53



Right In: 188.621+/-0.039 χ^2/NDF: 2955857.5/24

Left Out: 249.850+/-0.044 χ^2/NDF:4234600.7/24

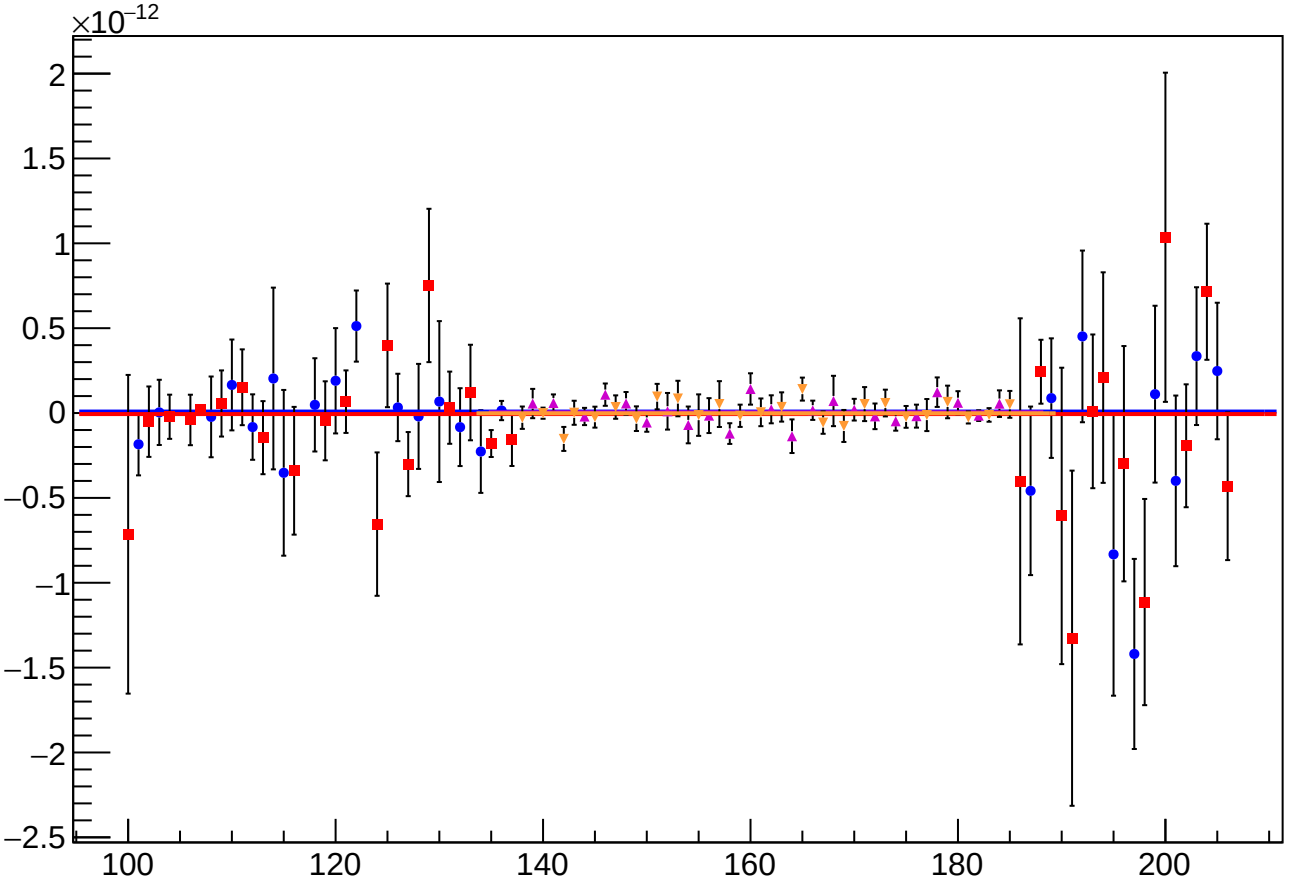
Right Out: 166.087+/-0.033 χ^2/NDF: 5300170.7/30

Left In: 255.302+/-0.045 χ^2/NDF:2111585.0/22

+ sign 215.588+/-0.029 χ^2/NDF: 8295469.7/49

All: 206.046+/-0.020 χ^2/NDF: 18486389.1/10

- sign 197.955+/-0.027 χ^2/NDF: 9989684.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 20.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.4/24

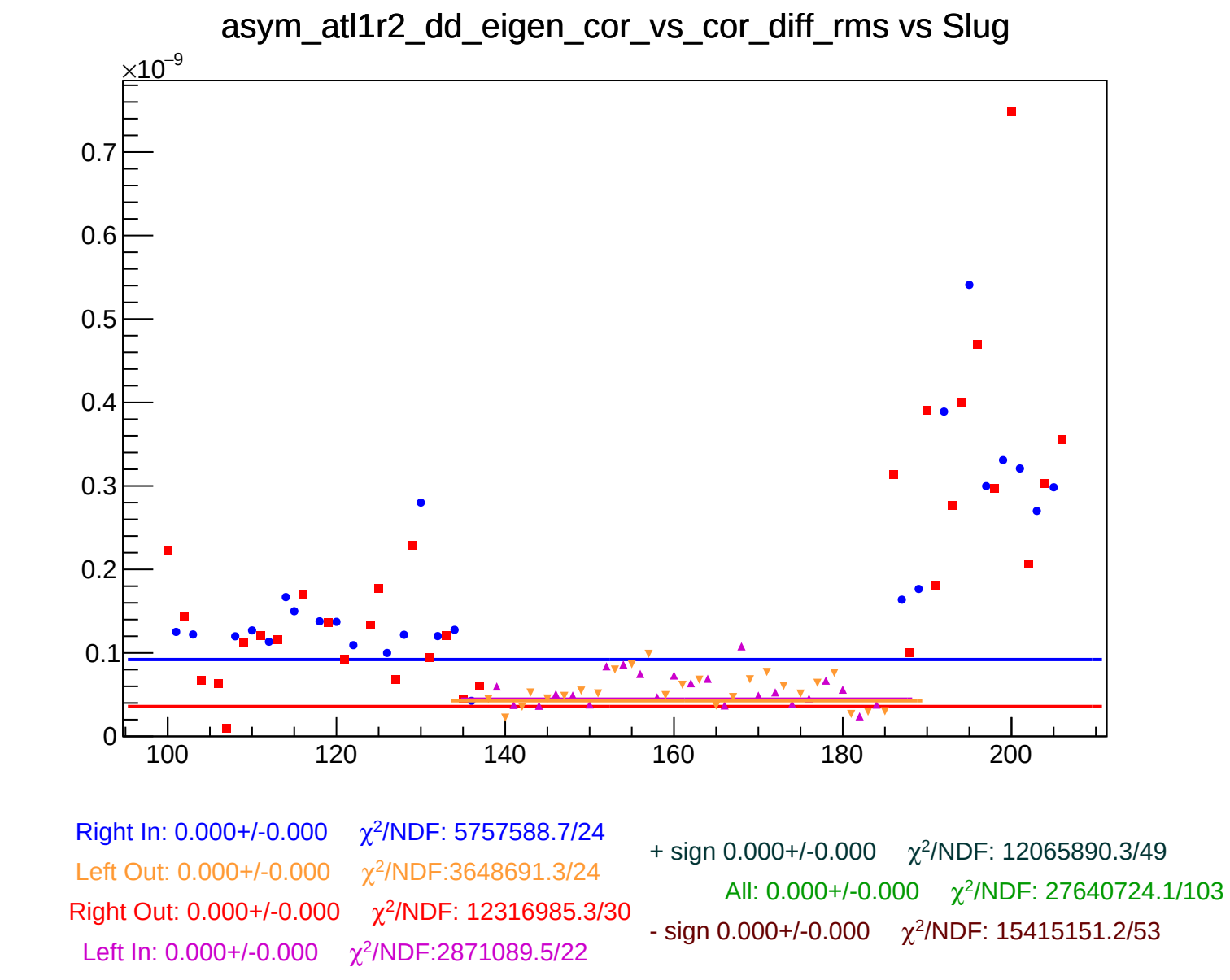
Right Out: -0.000+/-0.000 χ^2/NDF: 31.8/30

Left In: 0.000+/-0.000 χ^2/NDF:19.9/22

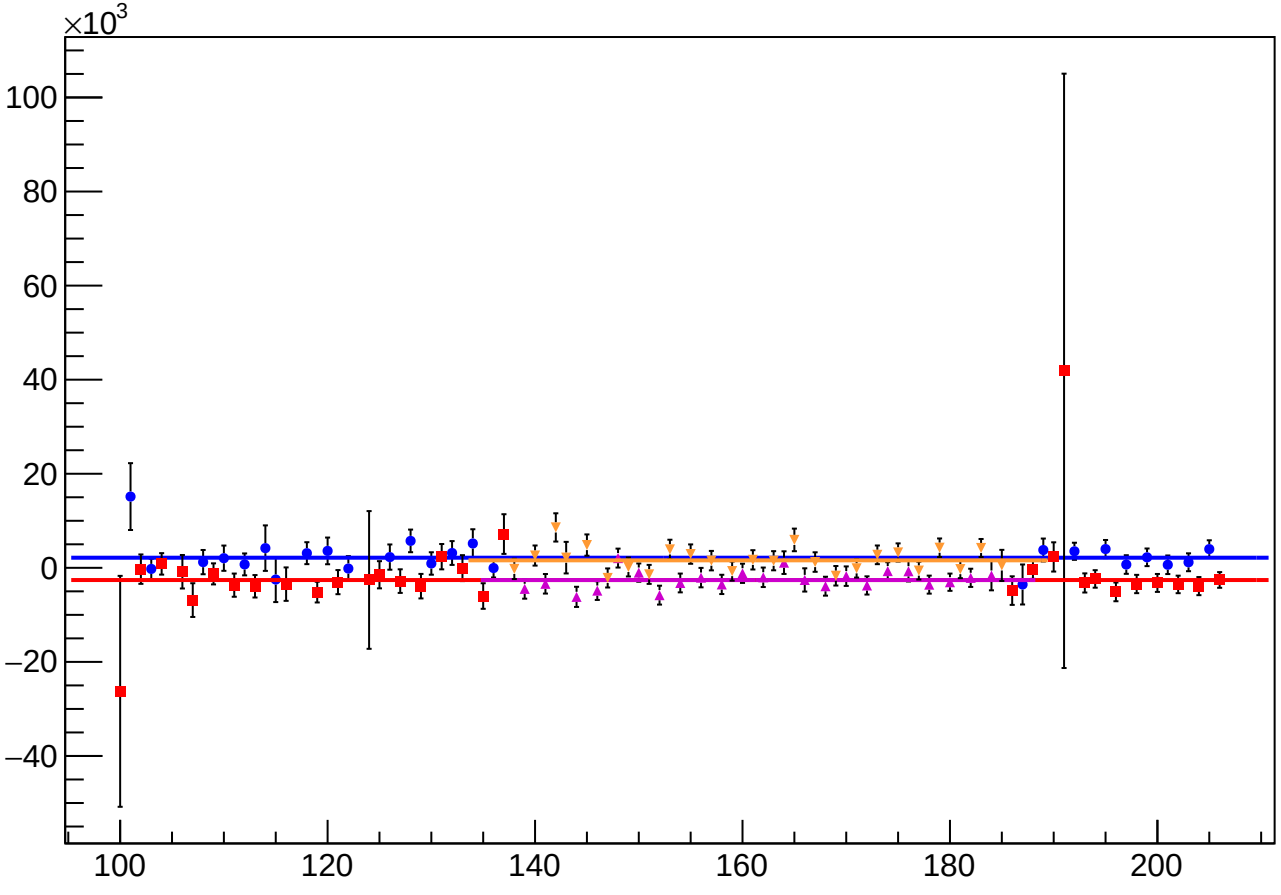
+ sign -0.000+/-0.000 χ^2/NDF: 37.0/49

All: 0.000+/-0.000 χ^2/NDF: 88.8/103

- sign 0.000+/-0.000 χ^2/NDF: 51.8/53


asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs Slug
×10⁻⁹
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 5757588.7/24
Left Out: 0.000+/-0.000 χ²/NDF:3648691.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 12316985.3/30
Left In: 0.000+/-0.000 χ²/NDF:2871089.5/22
+ sign 0.000+/-0.000 χ²/NDF: 12065890.3/49
All: 0.000+/-0.000 χ²/NDF: 27640724.1/103
- sign 0.000+/-0.000 χ²/NDF: 15415151.2/53

reg_asym_atr1l2_avg_mean vs Slug



Right In: 2150.260+/-476.853 χ^2/NDF: 18.2/24

Left Out: 1592.464+/-423.298 χ^2/NDF:31.3/24

Right Out: -2596.825+/-445.460 χ^2/NDF: 26.8/30

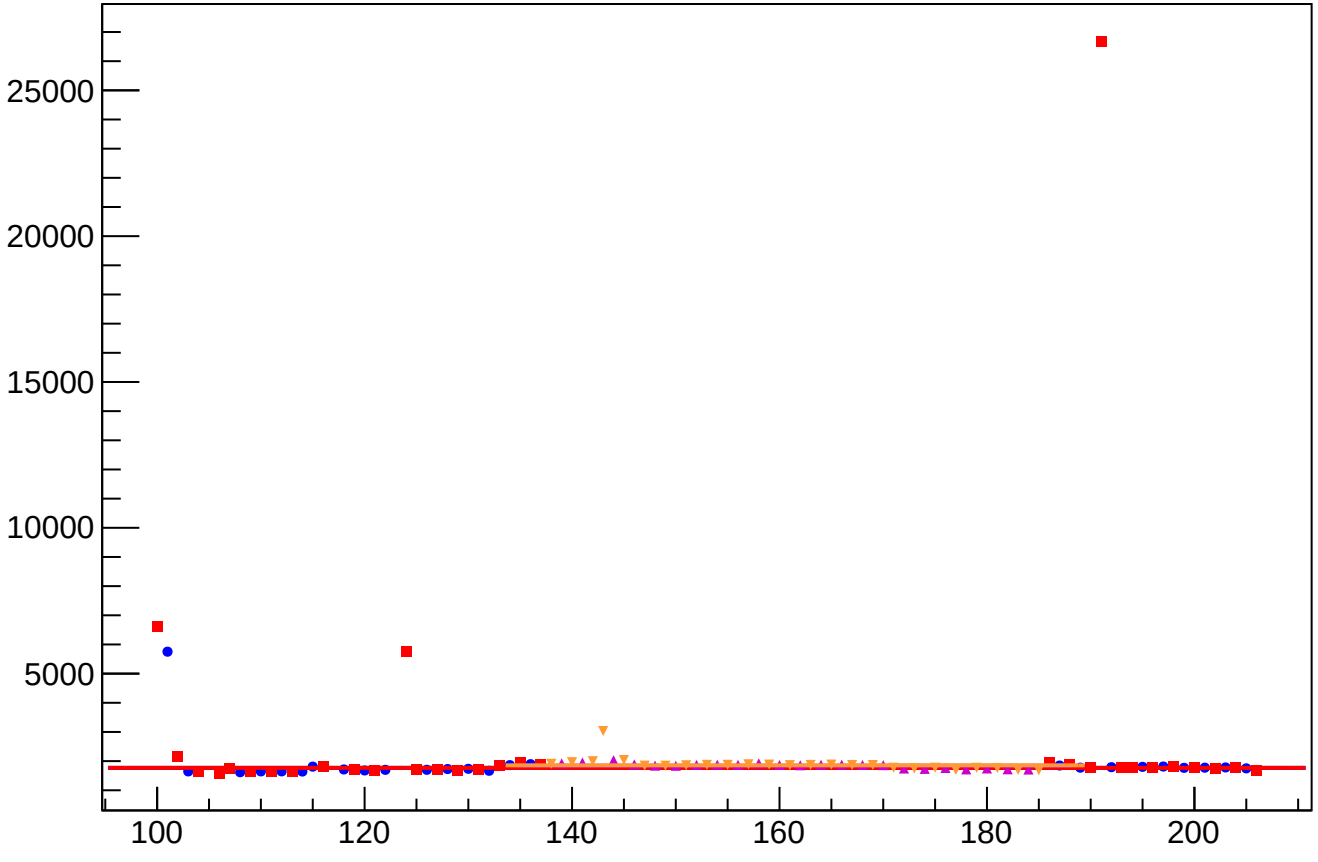
Left In: -2597.740+/-430.293 χ^2/NDF:20.1/22

+ sign 1838.293+/-316.565 χ^2/NDF: 50.3/49

All: -429.652+/-221.300 χ^2/NDF: 197.5/103

- sign -2597.299+/-309.486 χ^2/NDF: 46.9/53

reg_asym_atr1l2_avg_rms vs Slug



Right In: 1767.840+/-0.337 χ^2/NDF: 674996.9/24

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1768.411+/-0.314 χ^2/NDF: 646084.6/30

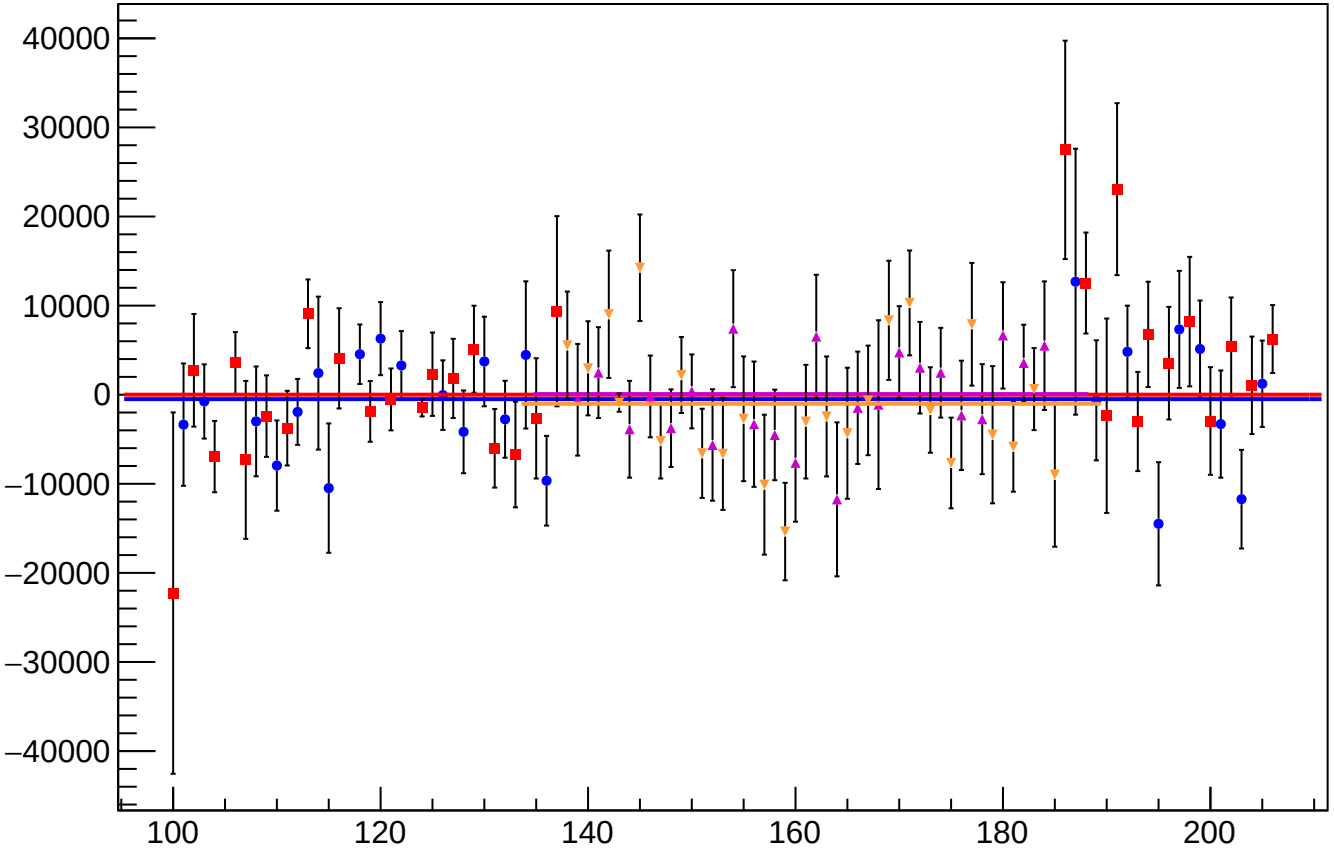
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1816.900+/-0.224 χ^2/NDF: 1037116.6/49

All: 1811.230+/-0.156 χ^2/NDF: 1782995.7/10

- sign 1805.829+/-0.218 χ^2/NDF: 744626.2/53

asym_atr1l2_avg_reg_correction_mean vs Slug



Right In: -496.002+/-1015.615 χ^2/NDF: 28.8/24

Left Out: -1018.861+/-771.816 χ^2/NDF:33.7/24

Right Out: 5.186+/-670.670 χ^2/NDF: 44.4/30

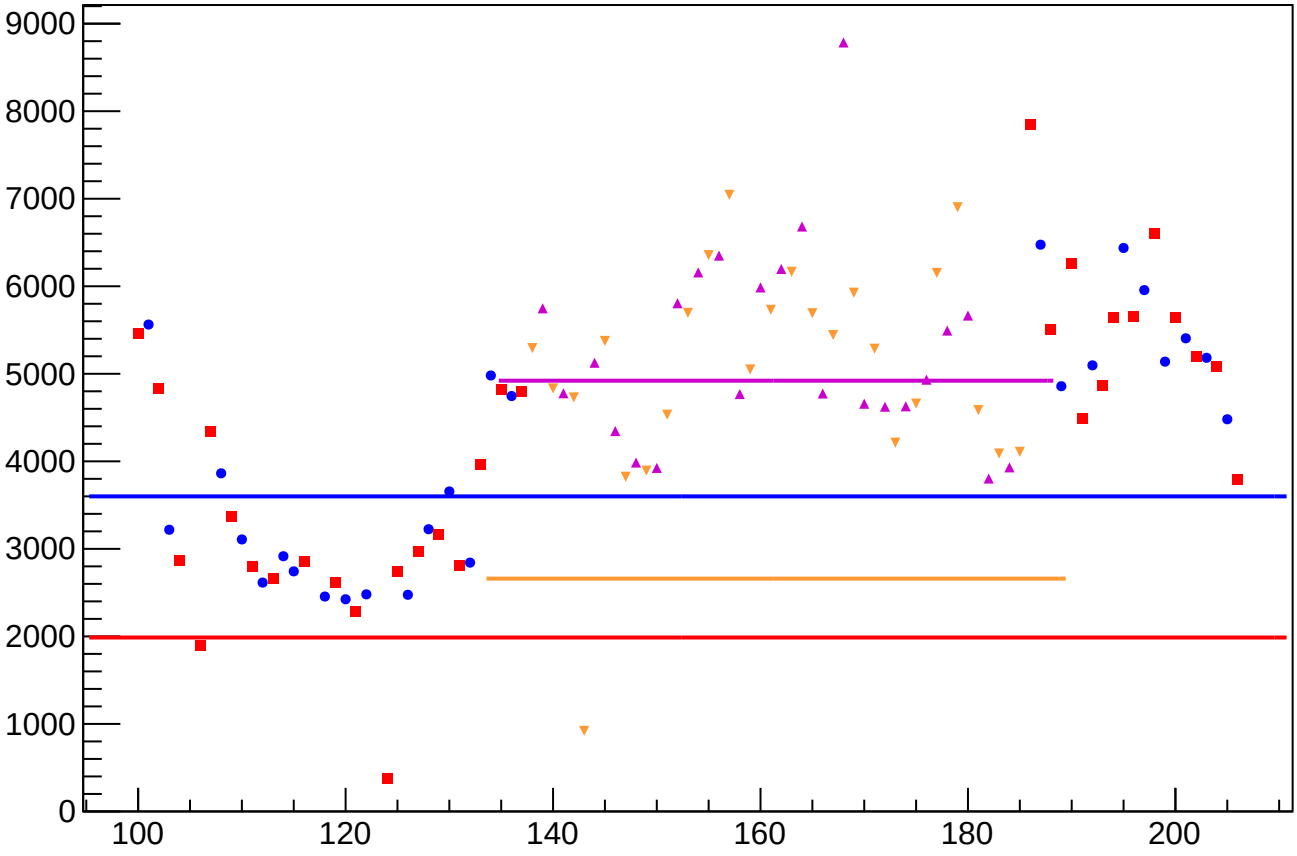
Left In: 62.369+/-1173.429 χ^2/NDF:13.0/22

+ sign -827.445+/-614.506 χ^2/NDF: 62.7/49

All: -381.303+/-422.666 χ^2/NDF: 121.2/103

- sign 19.266+/-582.275 χ^2/NDF: 57.4/53

asym_atr1l2_avg_reg_correction_rms vs Slug



Right In: 3599.638+/-0.718 χ^2/NDF: 2827164.3/24

Left Out: 2660.009+/-0.546 χ^2/NDF:14536074.6/24

Right Out: 1987.256+/-0.474 χ^2/NDF: 14848791.0/30

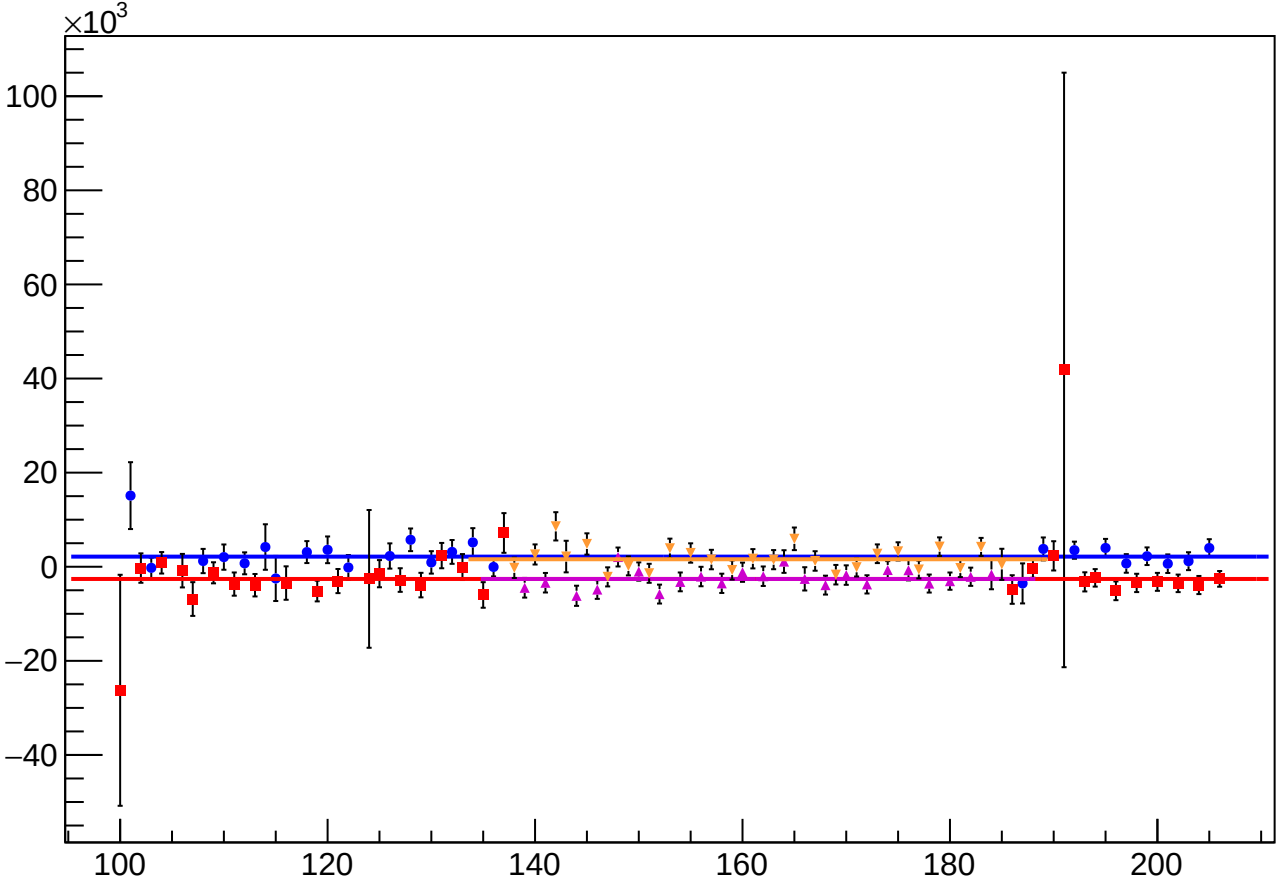
Left In: 4921.319+/-0.830 χ^2/NDF:1251123.1/22

+ sign 3004.003+/-0.435 χ^2/NDF: 18448437.1/49

All: 2848.938+/-0.299 χ^2/NDF: 44215303.3/1

- sign 2709.713+/-0.412 χ^2/NDF: 25525171.3/53

cor_asym_atr1l2_avg_mean vs Slug



Right In: 2150.067+/-476.853 χ^2/NDF: 18.2/24

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2596.833+/-445.460 χ^2/NDF: 26.8/30

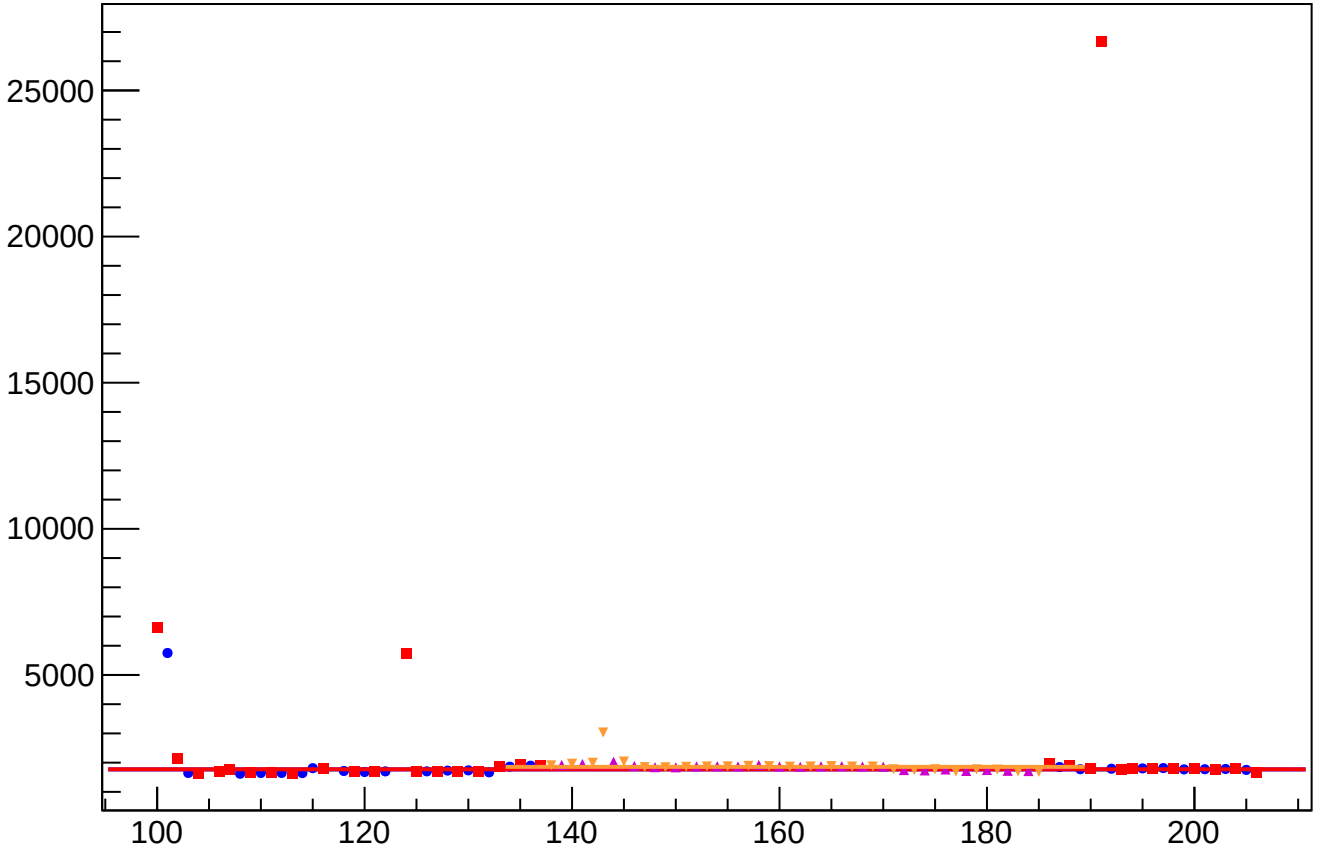
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1838.189+/-316.565 χ^2/NDF: 50.3/49

All: -429.723+/-221.300 χ^2/NDF: 197.5/103

- sign -2597.339+/-309.486 χ^2/NDF: 46.9/53

cor_asym_atr1l2_avg_rms vs Slug



Right In: 1767.840+/-0.337 χ^2/NDF: 674997.2/24

Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1771.618+/-0.314 χ^2/NDF: 637705.8/30

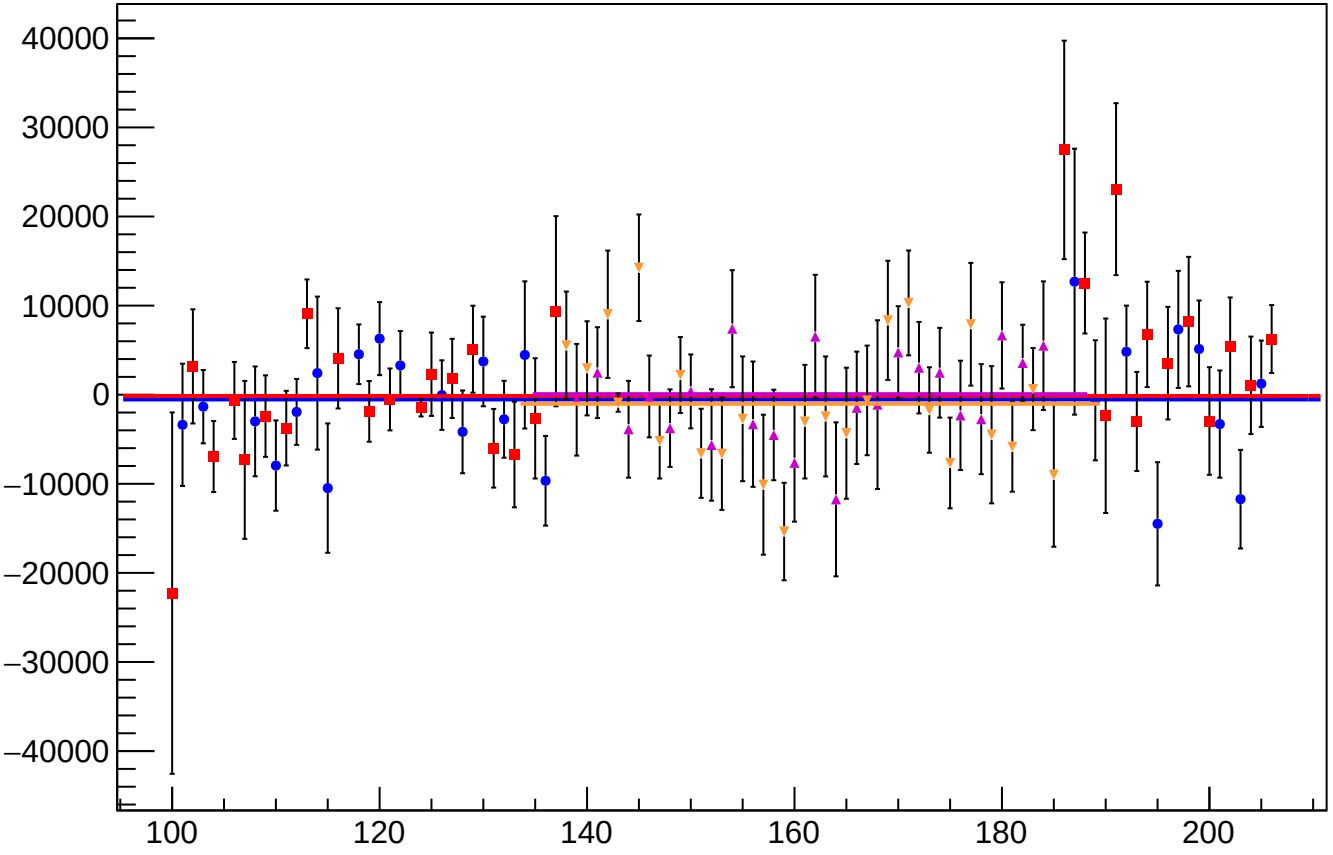
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1816.900+/-0.224 χ^2/NDF: 1037117.0/49

All: 1812.059+/-0.156 χ^2/NDF: 1771852.8/10

- sign 1807.441+/-0.219 χ^2/NDF: 733821.9/53

asym_atr1l2_avg_cor_correction_mean vs Slug



Right In: -532.335+/-1014.833 χ^2/NDF: 28.8/24

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -143.452+/-675.177 χ^2/NDF: 43.4/30

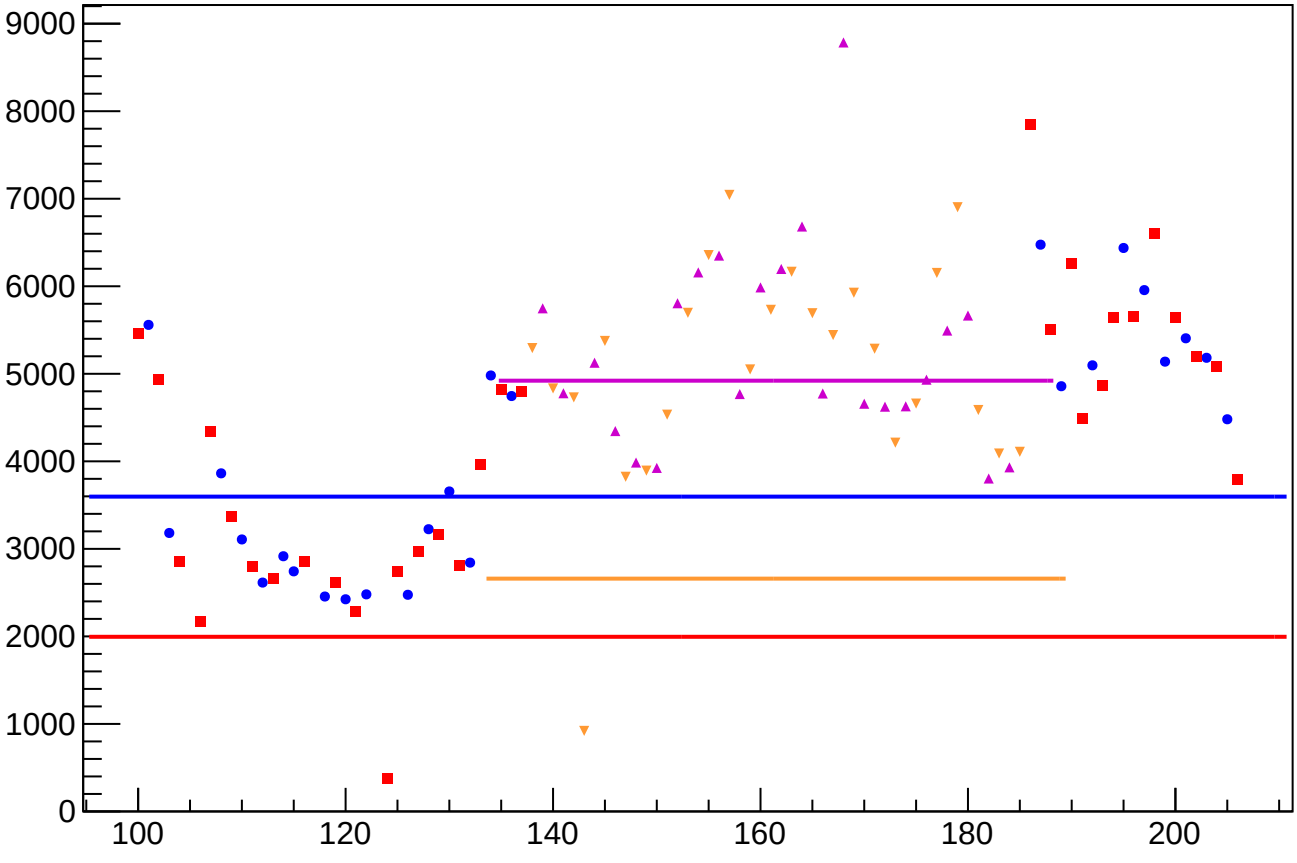
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -840.483+/-614.323 χ^2/NDF: 62.7/49

All: -448.237+/-423.727 χ^2/NDF: 120.0/103

- sign -92.280+/-585.217 χ^2/NDF: 56.5/53

asym_atr1l2_avg_cor_correction_rms vs Slug



Right In: 3596.805+/-0.718 χ^2/NDF: 2830613.6/24

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

Right Out: 1995.373+/-0.477 χ^2/NDF: 14866148.6/30

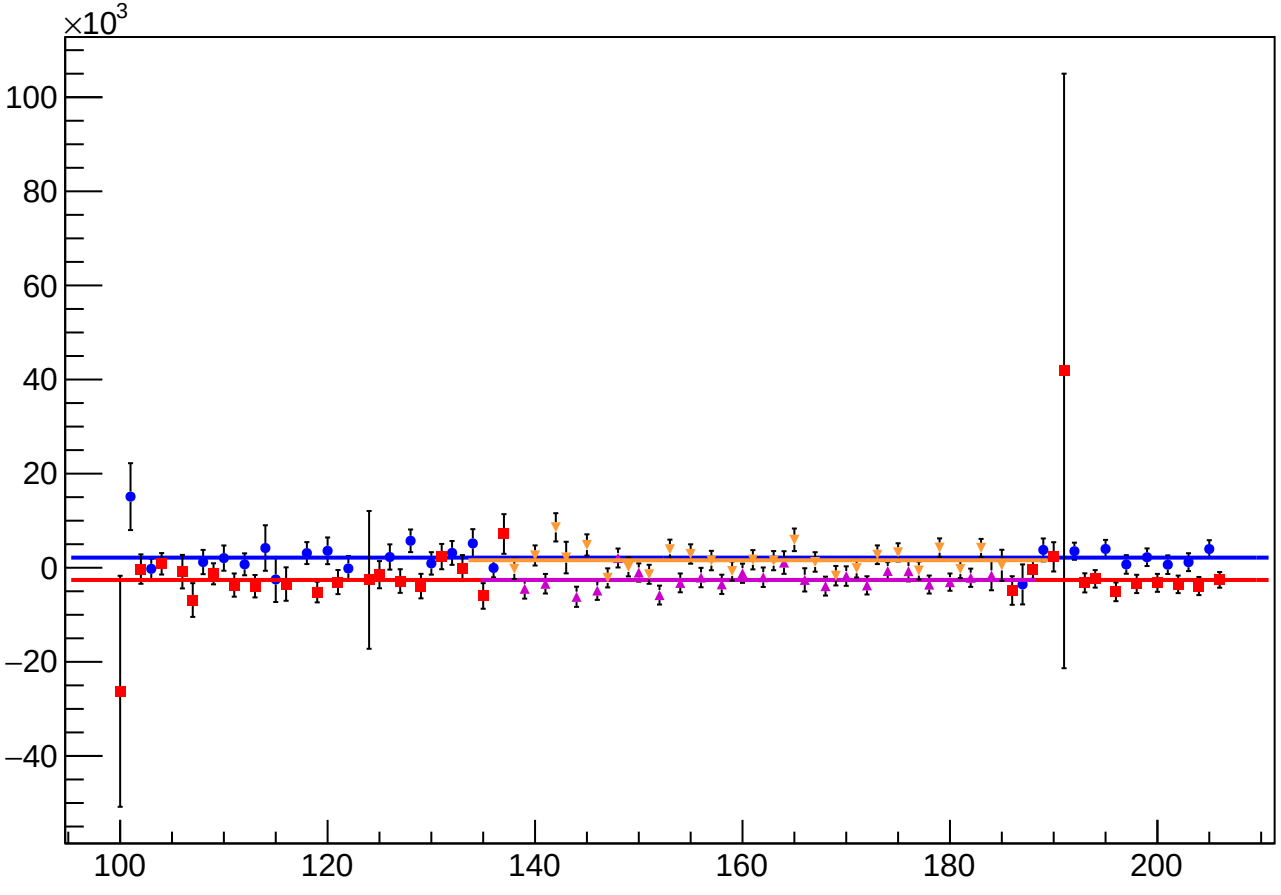
Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3003.226+/-0.434 χ^2/NDF: 18447398.7/49

All: 2856.386+/-0.300 χ^2/NDF: 44124788.2/1

- sign 2723.130+/-0.414 χ^2/NDF: 25459424.7/53

eigen_cor_asym_atr1l2_avg_mean vs Slug



Right In: 2150.067+/-476.853 χ^2/NDF: 18.2/24

Left Out: 1592.431+/-423.298 χ^2/NDF:31.3/24

Right Out: -2596.833+/-445.460 χ^2/NDF: 26.8/30

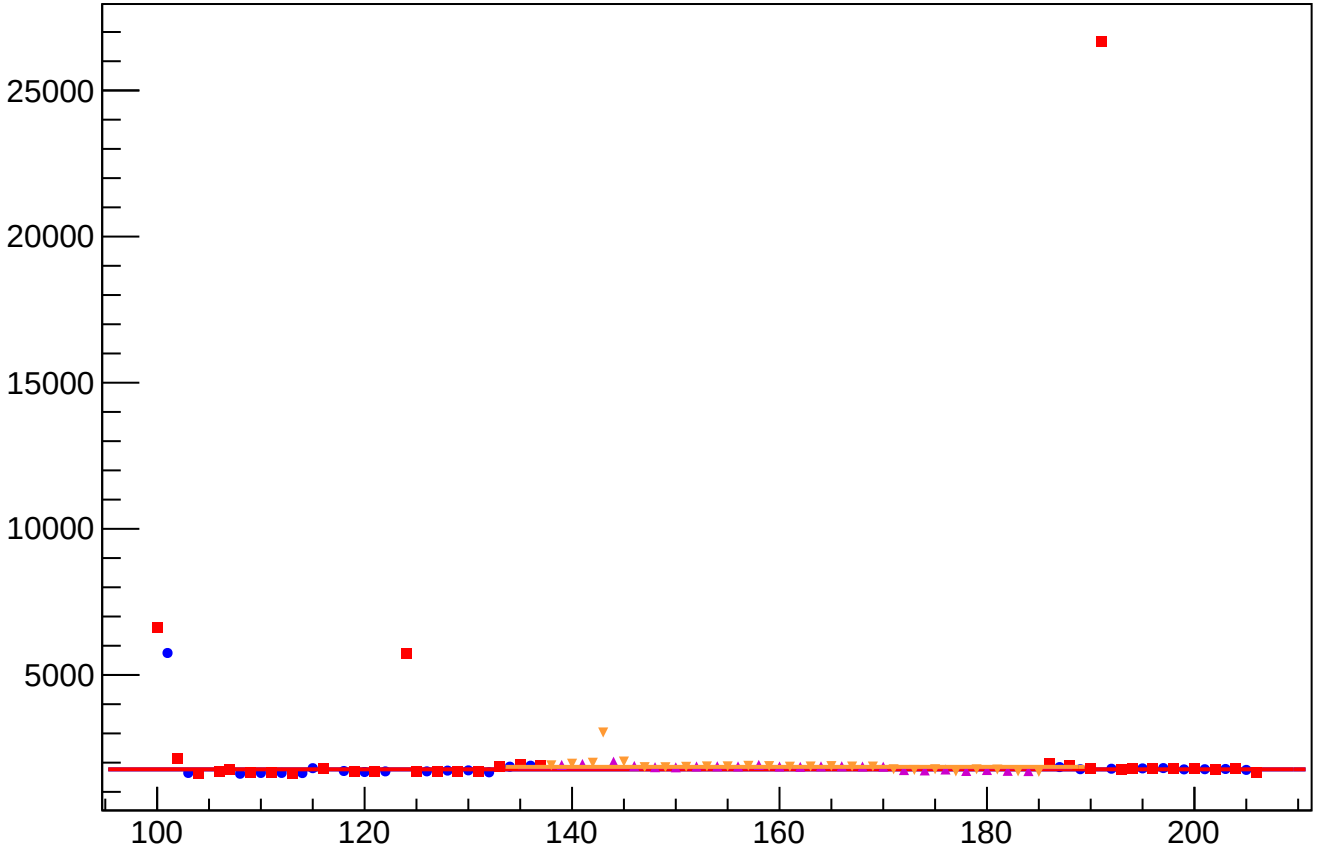
Left In: -2597.812+/-430.293 χ^2/NDF:20.1/22

+ sign 1838.189+/-316.565 χ^2/NDF: 50.3/49

All: -429.723+/-221.300 χ^2/NDF: 197.5/103

- sign -2597.339+/-309.486 χ^2/NDF: 46.9/53

eigen_cor_asym_atr1l2_avg_rms vs Slug



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Left Out: 1855.560+/-0.299 χ^2/NDF:324267.7/24

Right Out: 1771.618+/-0.314 χ^2/NDF: 637705.8/30

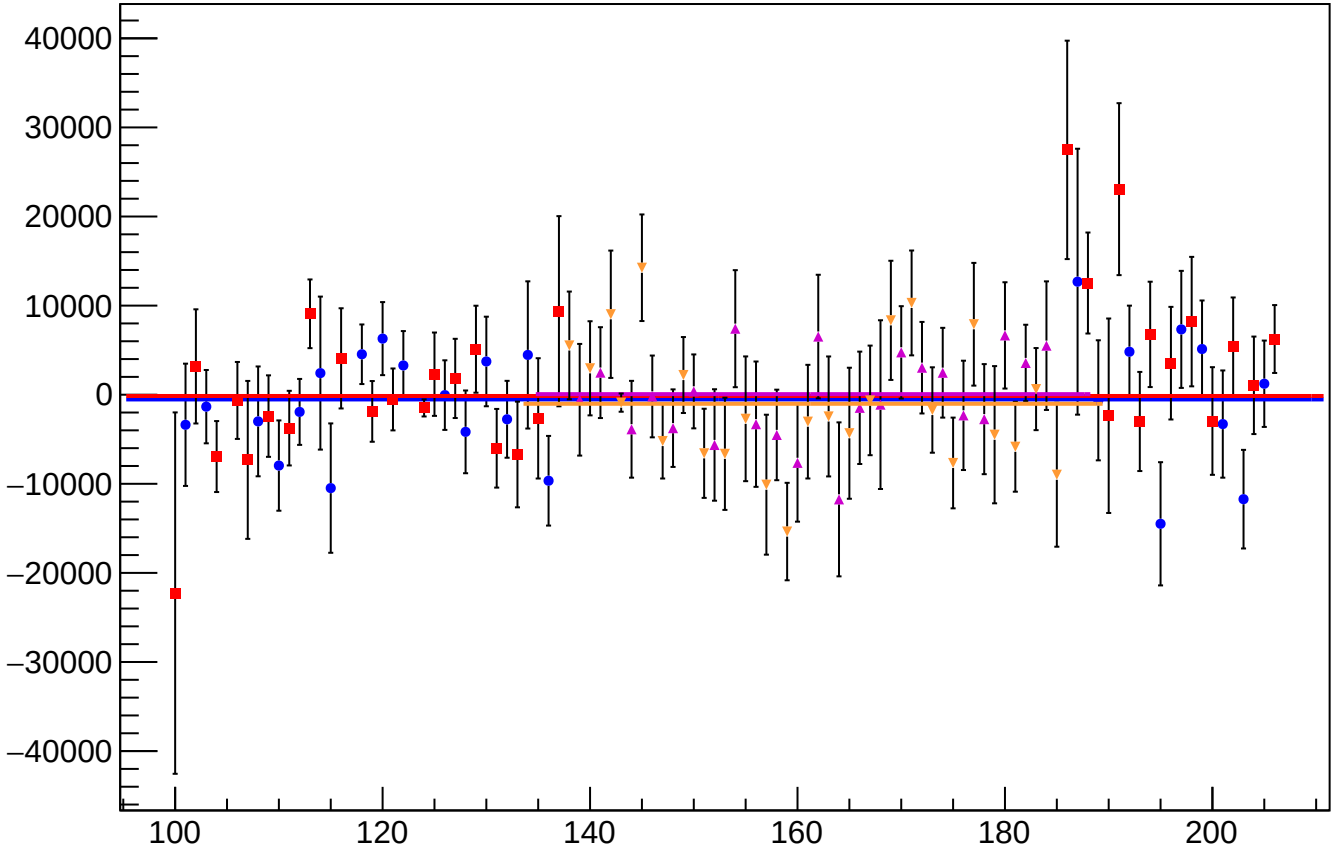
Left In: 1840.981+/-0.304 χ^2/NDF:70985.8/22

+ sign 1816.900+/-0.224 χ^2/NDF: 1037117.0/49

All: 1812.059+/-0.156 χ^2/NDF: 1771852.8/10

- sign 1807.441+/-0.219 χ^2/NDF: 733821.9/53

asym_atr1l2_avg_eigen_cor_correction_mean vs Slug



Right In: -532.335+/-1014.833 χ^2/NDF: 28.8/24

Left Out: -1018.712+/-771.798 χ^2/NDF:33.7/24

Right Out: -143.452+/-675.177 χ^2/NDF: 43.4/30

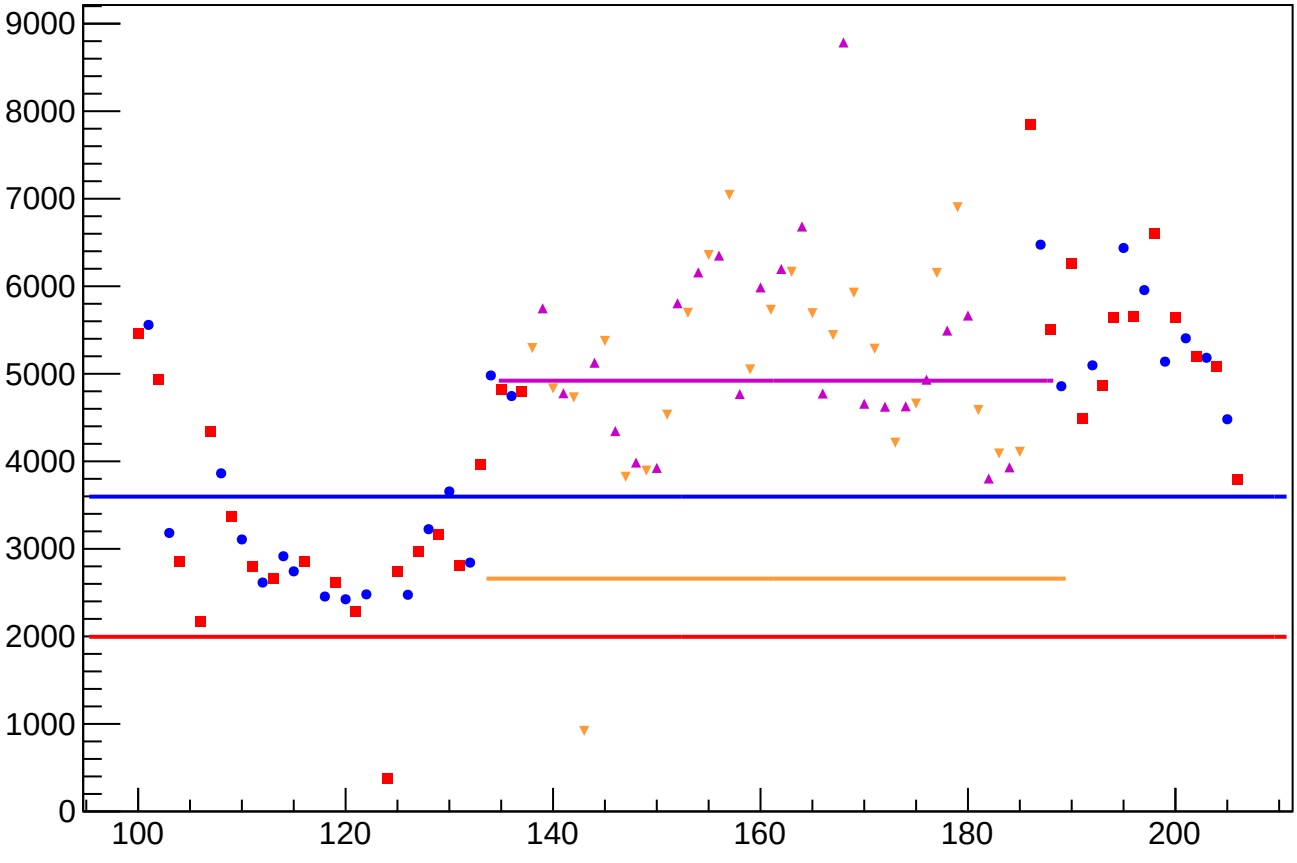
Left In: 62.286+/-1173.429 χ^2/NDF:13.0/22

+ sign -840.483+/-614.323 χ^2/NDF: 62.7/49

All: -448.237+/-423.727 χ^2/NDF: 120.0/103

- sign -92.280+/-585.217 χ^2/NDF: 56.5/53

asym_atr1l2_avg_eigen_cor_correction_rms vs Slug



Right In: 3596.805+/-0.718 χ^2/NDF: 2830613.6/24

Left Out: 2659.907+/-0.546 χ^2/NDF:14536813.3/24

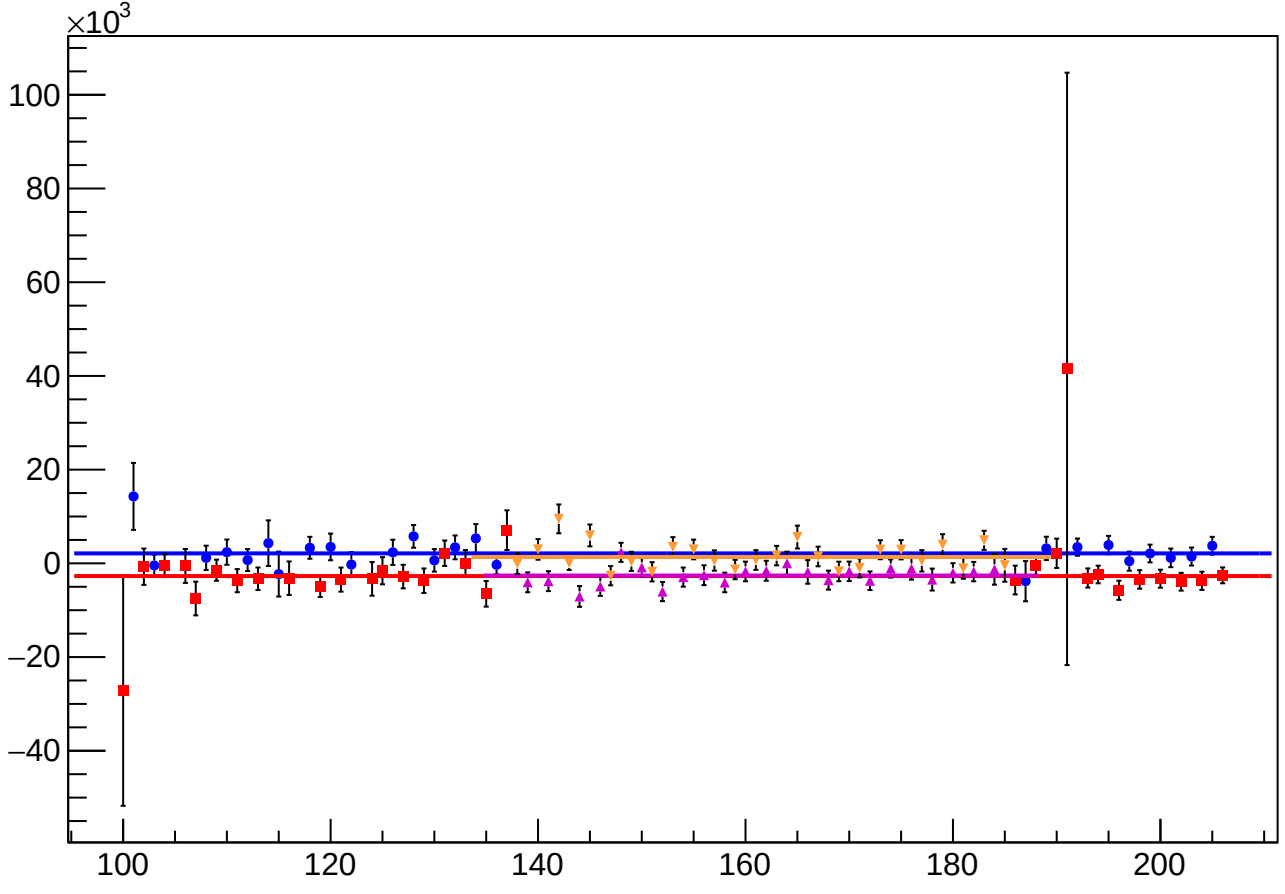
Right Out: 1995.373+/-0.477 χ^2/NDF: 14866148.6/30

Left In: 4921.316+/-0.830 χ^2/NDF:1251131.6/22

+ sign 3003.226+/-0.434 χ^2/NDF: 18447398.7/49

All: 2856.386+/-0.300 χ^2/NDF: 44124788.2/1

- sign 2723.130+/-0.414 χ^2/NDF: 25459424.7/53



Right In: 2127.705+/-482.464 χ^2/NDF: 17.7/24

Left Out: 1363.887+/-427.332 χ^2/NDF:36.1/24

Right Out: -2713.395+/-448.808 χ^2/NDF: 25.1/30

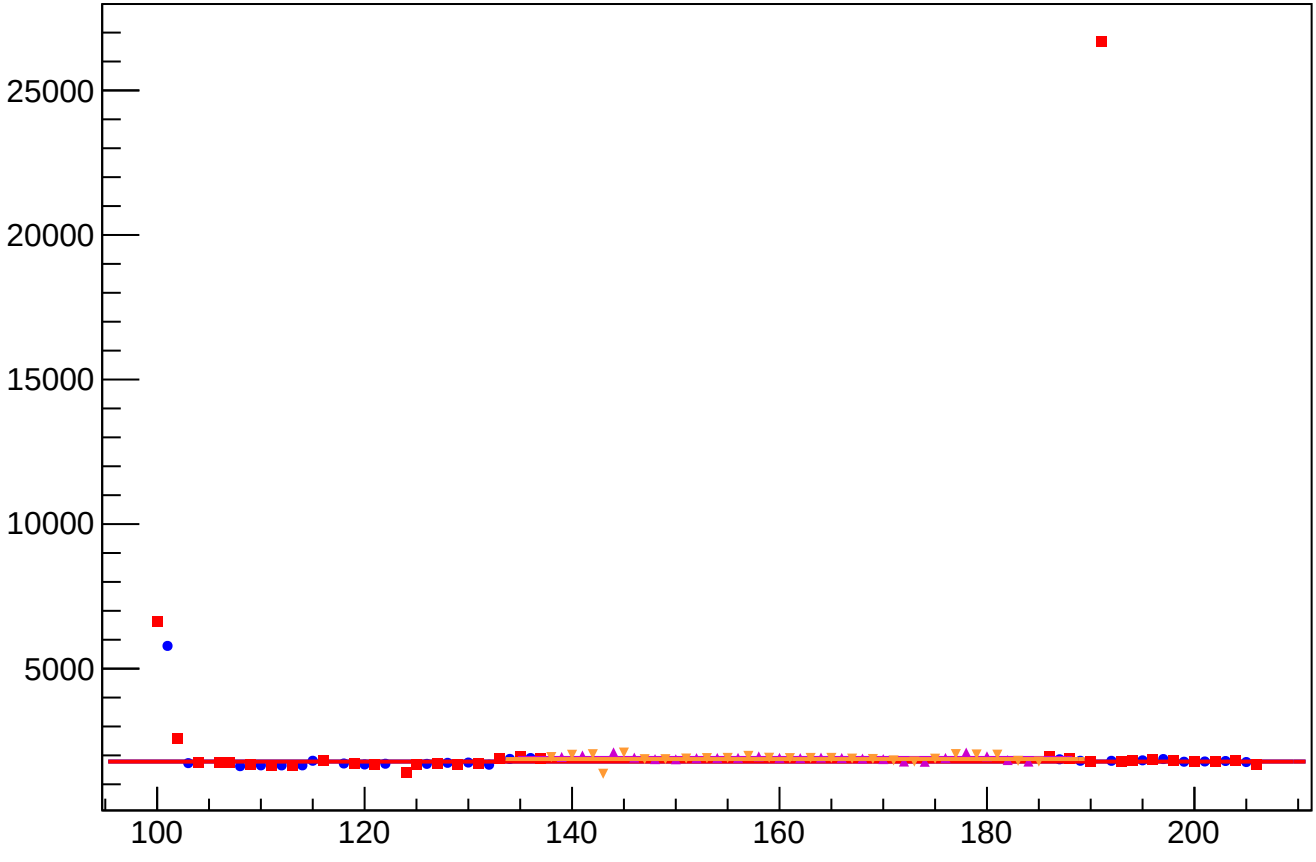
Left In: -2602.835+/-446.741 χ^2/NDF:20.0/22

+ sign 1699.679+/-319.894 χ^2/NDF: 55.2/49

All: -501.488+/-225.033 χ^2/NDF: 194.1/103

- sign -2657.860+/-316.622 χ^2/NDF: 45.2/53

dit_asym_atr1l2_avg_rms vs Slug



Right In: 1788.412+/-0.341 χ^2/NDF: 675004.8/24

Left Out: 1873.177+/-0.302 χ^2/NDF:309733.7/24

Right Out: 1785.362+/-0.317 χ^2/NDF: 561156.8/30

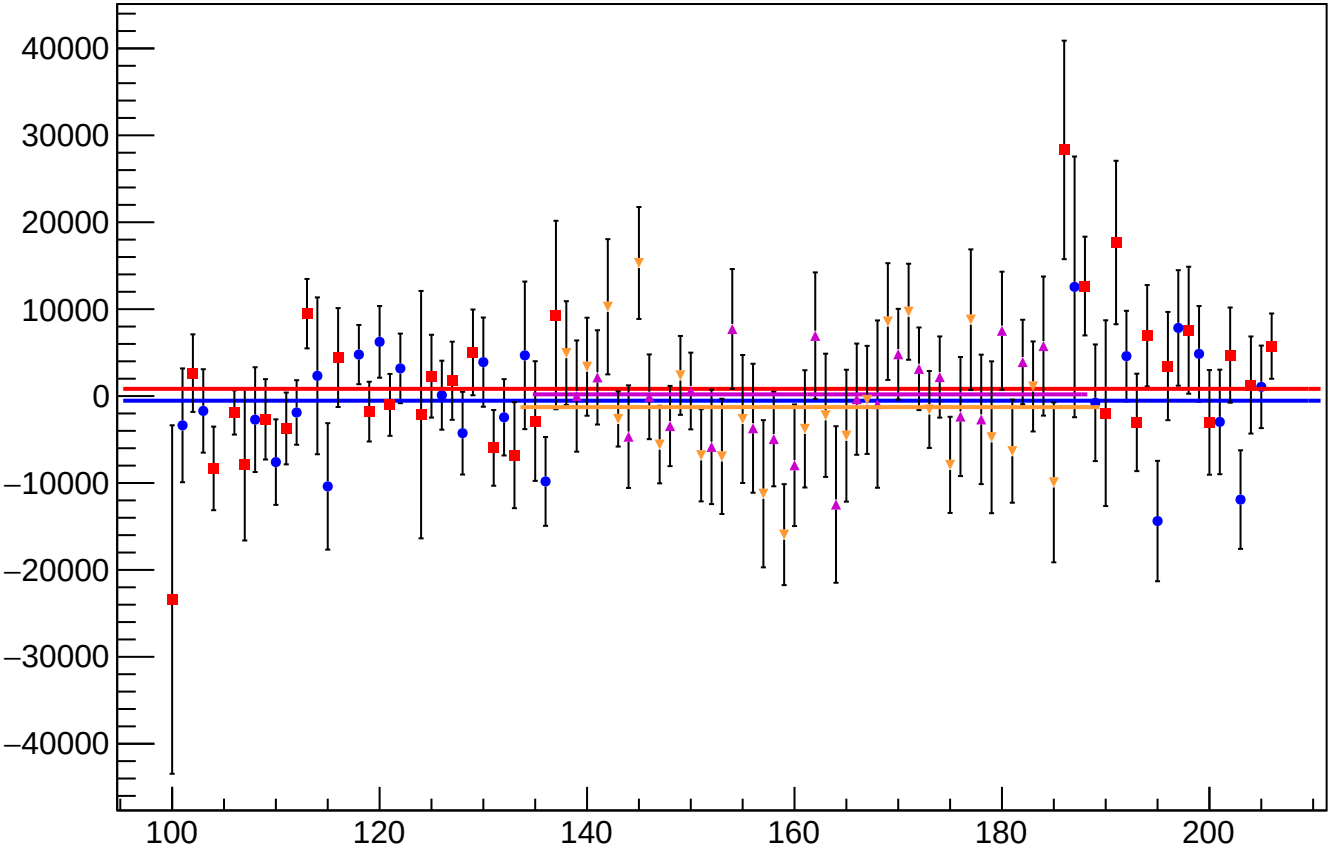
Left In: 1911.423+/-0.316 χ^2/NDF:59139.8/22

+ sign 1835.912+/-0.226 χ^2/NDF: 1019334.0/49

All: 1842.328+/-0.159 χ^2/NDF: 1720578.9/10

- sign 1848.605+/-0.224 χ^2/NDF: 699653.4/53

asym_atr1l2_avg_dit_correction_mean vs Slug



Right In: -531.472+/-1031.889 χ^2/NDF: 28.3/24

Left Out: -1269.760+/-1156.132 χ^2/NDF:33.4/24

Right Out: 832.108+/-912.378 χ^2/NDF: 38.5/30

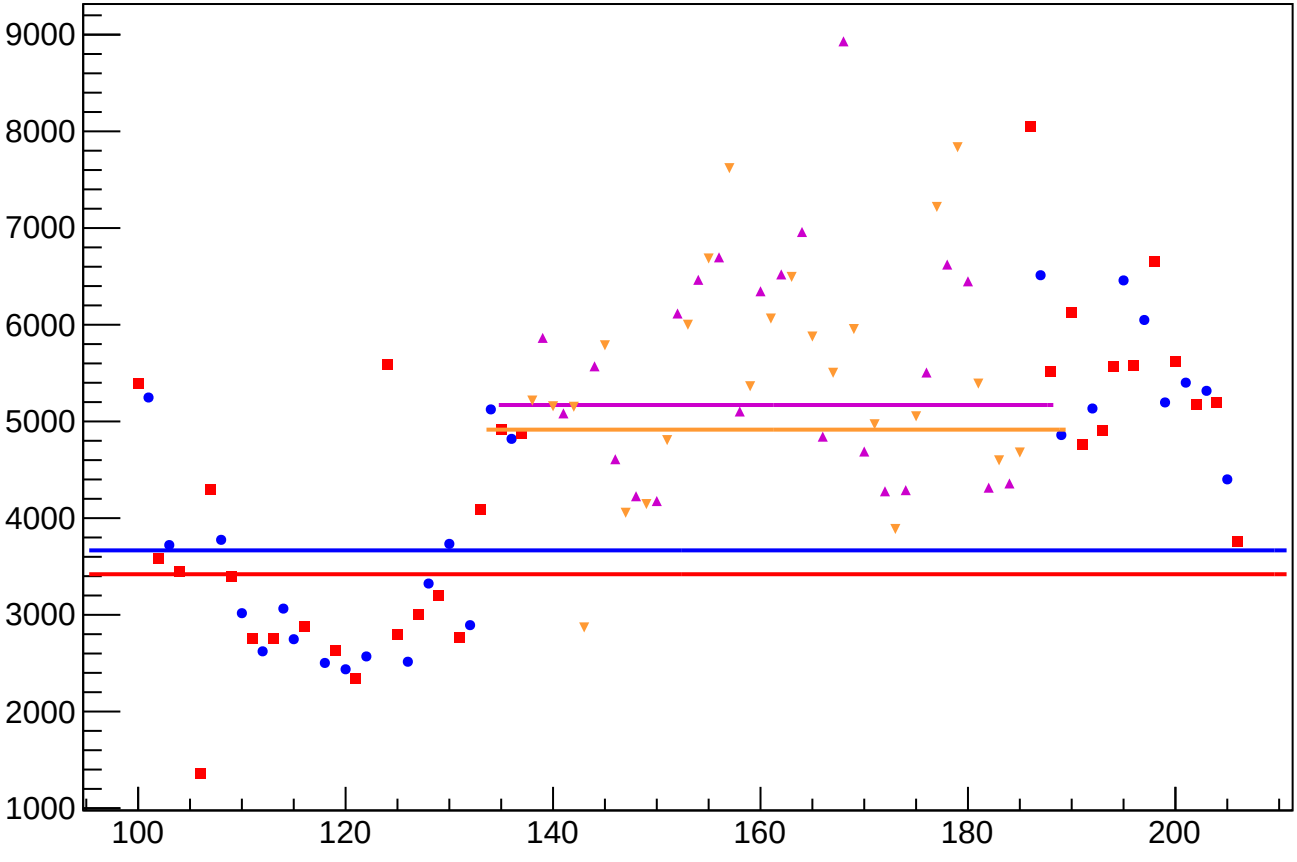
Left In: 196.917+/-1234.538 χ^2/NDF:12.7/22

+ sign -858.828+/-769.848 χ^2/NDF: 62.0/49

All: -90.355+/-531.140 χ^2/NDF: 115.3/103

- sign 607.728+/-733.743 χ^2/NDF: 51.4/53

asym_atr1l2_avg_dit_correction_rms vs Slug



Right In: 3666.680+/-0.730 χ^2/NDF: 2727651.2/24

Left Out: 4915.244+/-0.818 χ^2/NDF:2166229.1/24

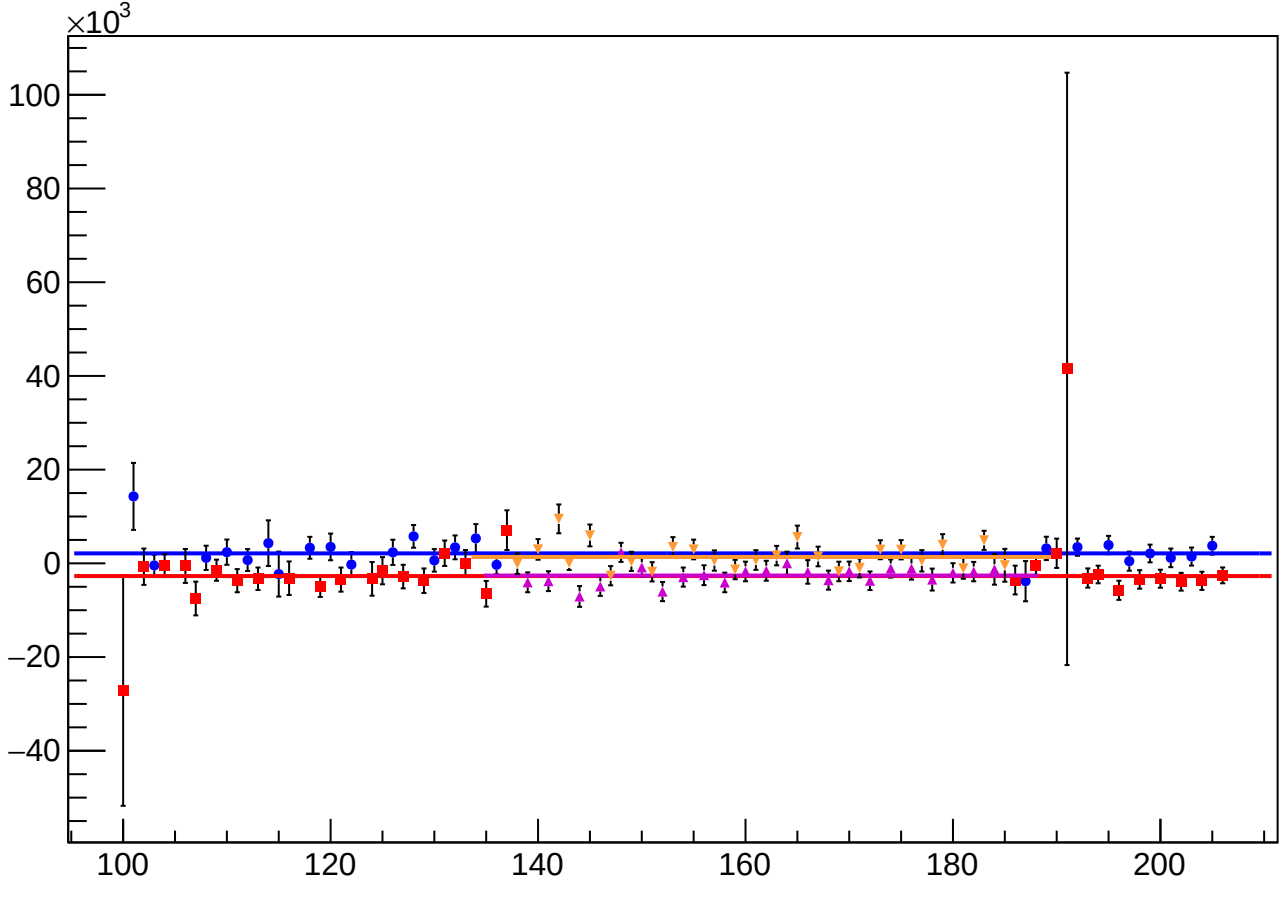
Right Out: 3419.985+/-0.645 χ^2/NDF: 4512970.6/30

Left In: 5170.028+/-0.873 χ^2/NDF:1348711.3/22

+ sign 4220.292+/-0.544 χ^2/NDF: 6192197.7/49

All: 4124.867+/-0.376 χ^2/NDF: 14711823.4/1

- sign 4038.183+/-0.519 χ^2/NDF: 8460982.7/53



Right In: 2127.703+/-482.464 χ^2/NDF: 17.7/24

Left Out: 1363.884+/-427.333 χ^2/NDF:36.1/24

Right Out: -2713.392+/-448.808 χ^2/NDF: 25.1/30

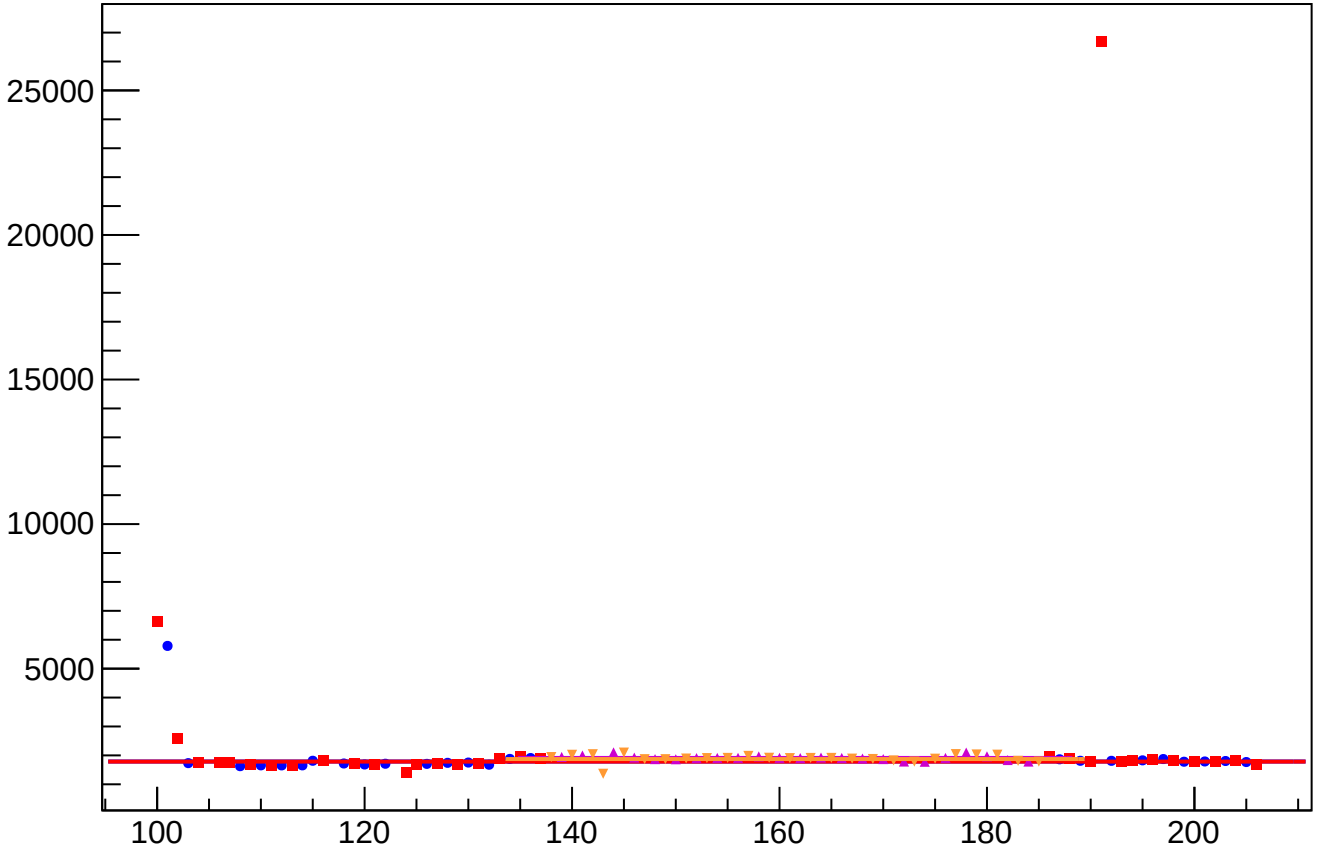
Left In: -2602.834+/-446.742 χ^2/NDF:20.0/22

+ sign 1699.677+/-319.894 χ^2/NDF: 55.2/49

All: -501.488+/-225.033 χ^2/NDF: 194.1/103

- sign -2657.858+/-316.622 χ^2/NDF: 45.2/53

eigen_dit_asym_atr1l2_avg_rms vs Slug



Right In: 1788.412+/-0.341 χ^2/NDF: 675004.9/24

Left Out: 1873.178+/-0.302 χ^2/NDF:309737.2/24

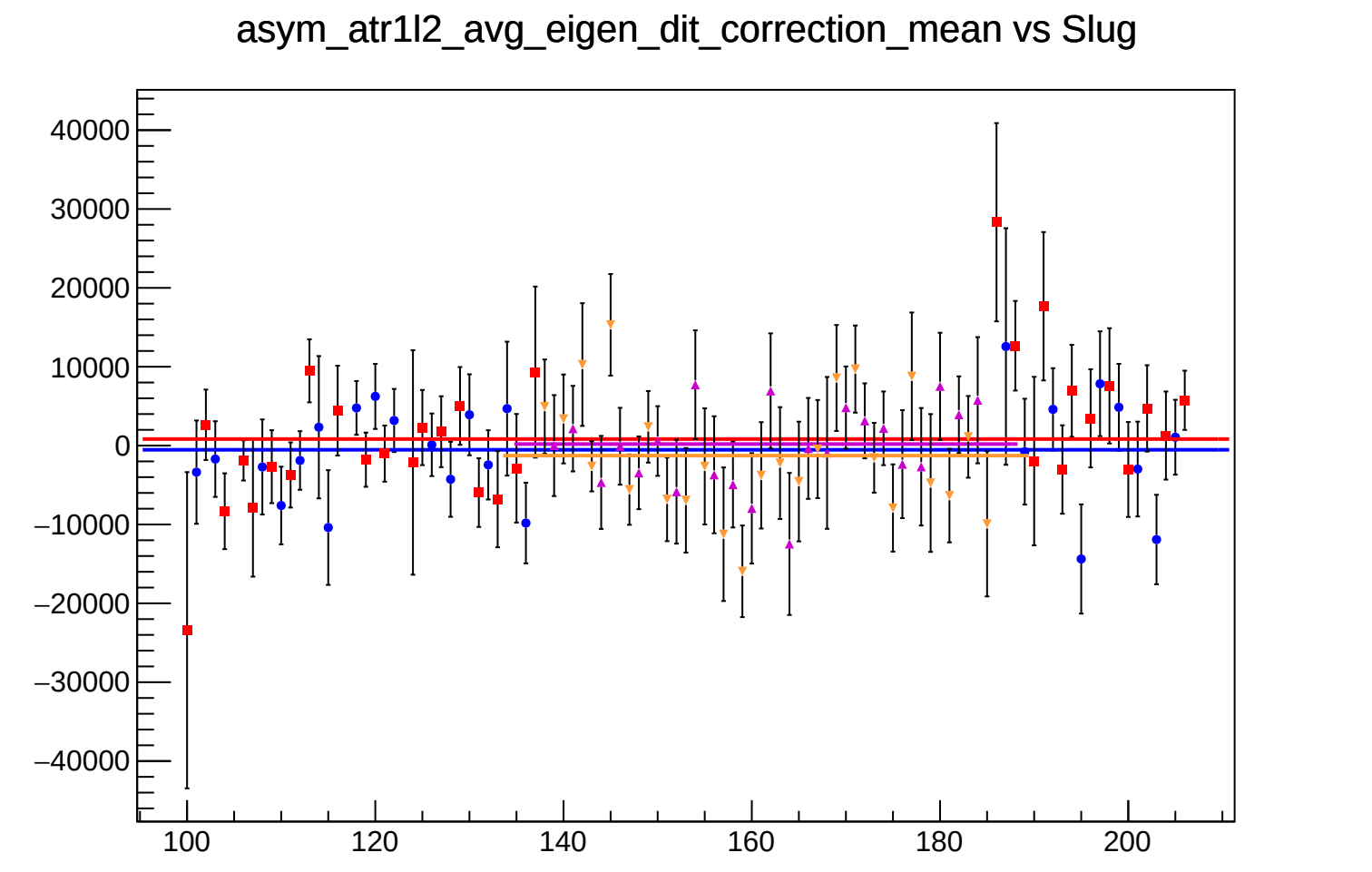
Right Out: 1785.362+/-0.317 χ^2/NDF: 561157.0/30

Left In: 1911.425+/-0.316 χ^2/NDF:59142.0/22

+ sign 1835.913+/-0.226 χ^2/NDF: 1019338.4/49

All: 1842.329+/-0.159 χ^2/NDF: 1720587.1/10

- sign 1848.606+/-0.224 χ^2/NDF: 699657.1/53



Right In: -531.466+/-1031.887 χ^2/NDF: 28.3/24

Left Out: -1269.765+/-1156.133 χ^2/NDF:33.4/24

Right Out: 832.097+/-912.376 χ^2/NDF: 38.5/30

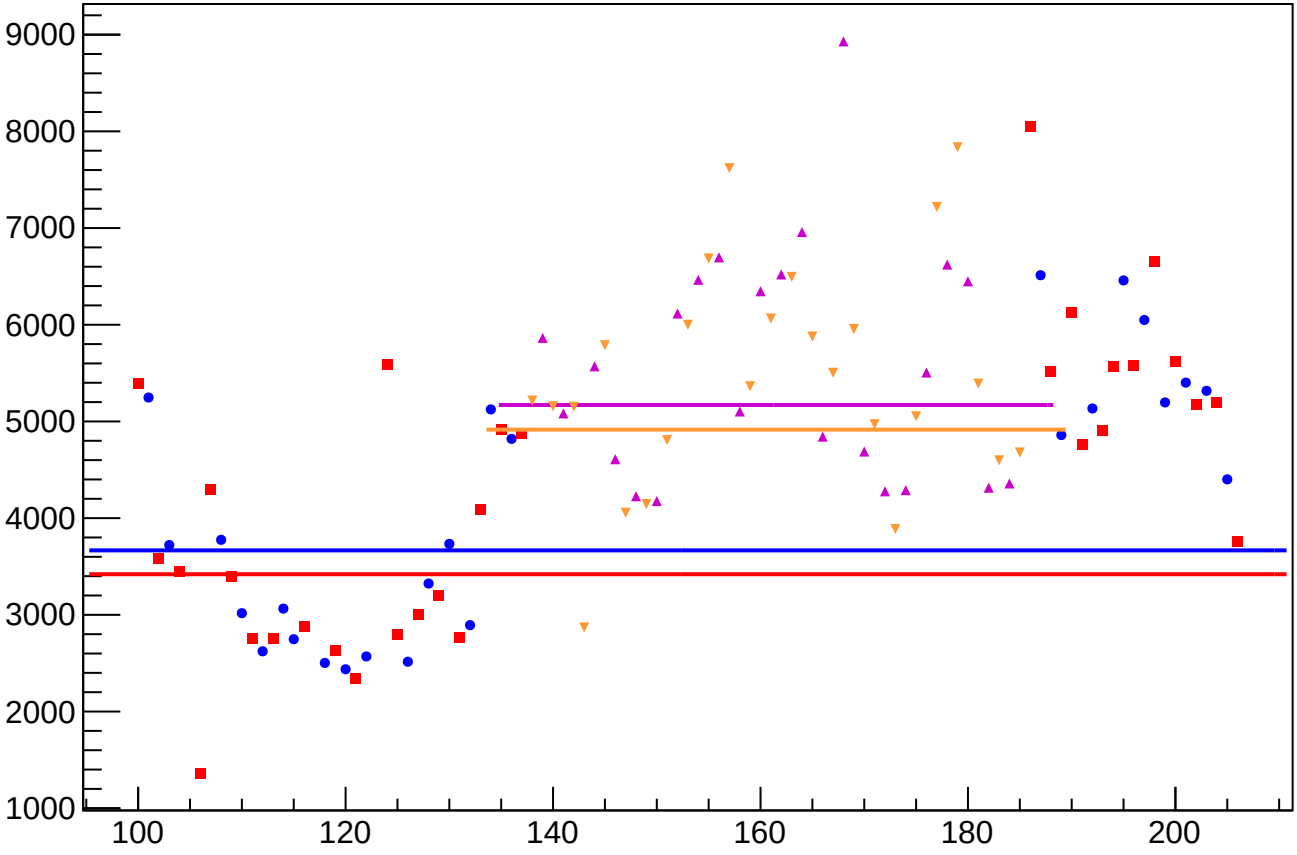
Left In: 196.918+/-1234.540 χ^2/NDF:12.7/22

\+ sign -858.826+/-769.847 χ^2/NDF: 62.0/49

All: -90.356+/-531.140 χ^2/NDF: 115.3/103

\- sign 607.723+/-733.742 χ^2/NDF: 51.4/53

asym_atr1l2_avg_eigen_dit_correction_rms vs Slug



Right In: 3666.670+/-0.730 χ^2/NDF: 2727691.6/24

Left Out: 4915.251+/-0.818 χ^2/NDF:2166236.2/24

Right Out: 3419.973+/-0.645 χ^2/NDF: 4513034.6/30

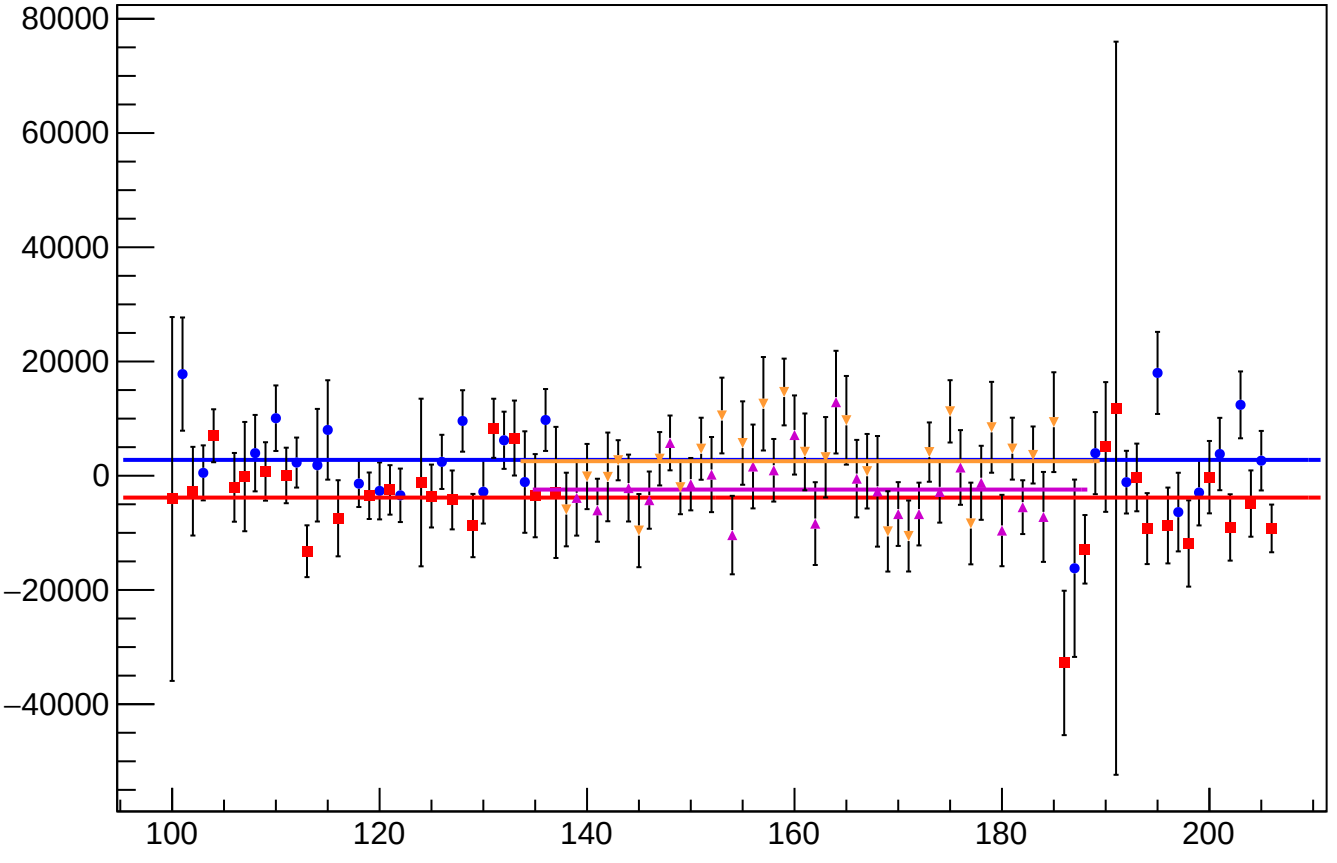
Left In: 5170.035+/-0.873 χ^2/NDF:1348713.2/22

+ sign 4220.288+/-0.544 χ^2/NDF: 6192279.2/49

All: 4124.861+/-0.376 χ^2/NDF: 14712029.5/1

- sign 4038.175+/-0.519 χ^2/NDF: 8461105.2/53

asym_atr1l2_avg_mean vs Slug



Right In: 2773.368+/-1159.833 χ^2/NDF: 25.5/24

Left Out: 2547.072+/-1187.668 χ^2/NDF:29.1/24

Right Out: -3826.723+/-1090.419 χ^2/NDF: 34.5/30

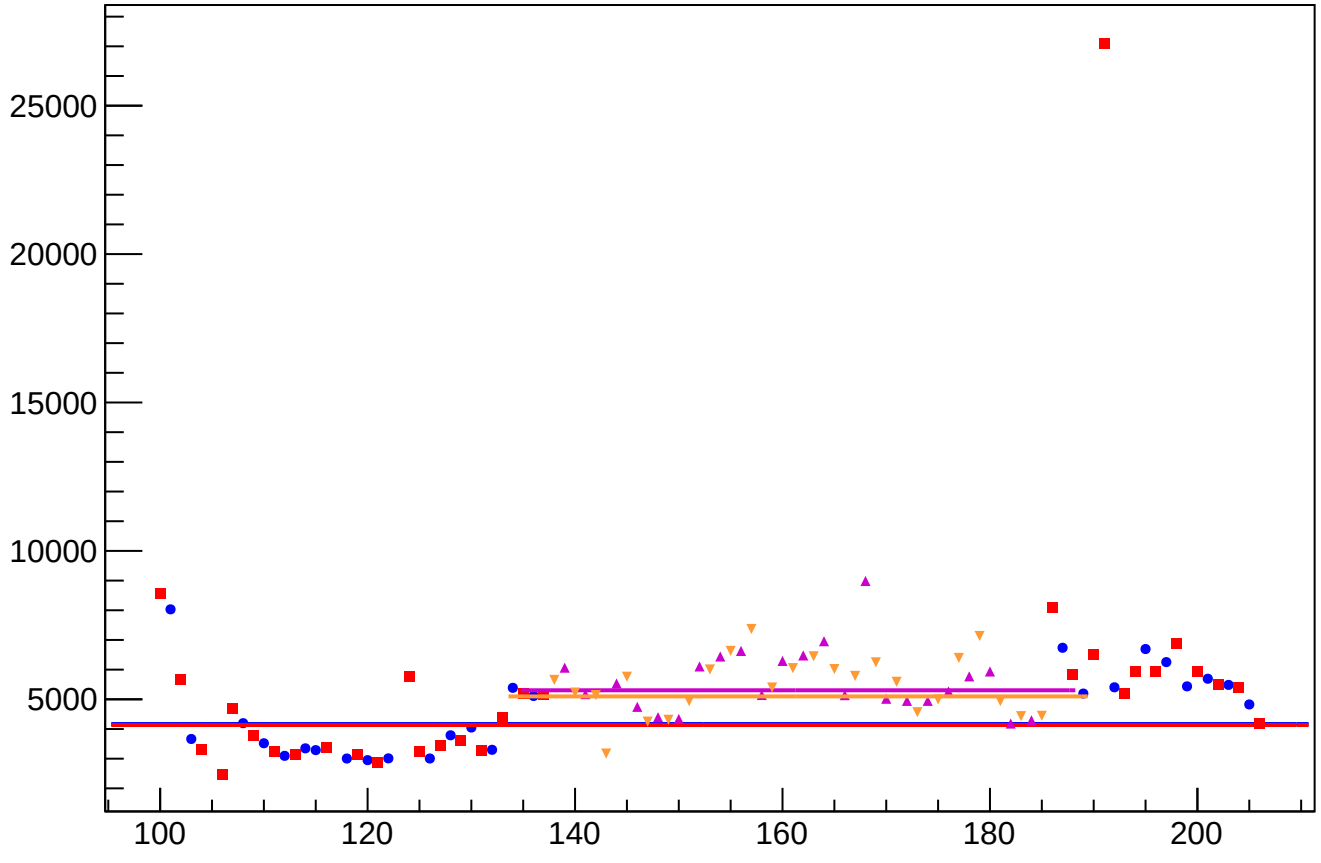
Left In: -2423.016+/-1259.653 χ^2/NDF:15.0/22

+ sign 2662.903+/-829.792 χ^2/NDF: 54.6/49

All: -300.344+/-584.847 χ^2/NDF: 130.1/103

- sign -3225.433+/-824.432 χ^2/NDF: 50.2/53

asym_atr1l2_avg_rms vs Slug



Right In: 4166.712+/-0.820 χ^2/NDF: 2171952.7/24

Left Out: 5097.995+/-0.840 χ^2/NDF:1544385.5/24

Right Out: 4134.482+/-0.763 χ^2/NDF: 2894589.9/30

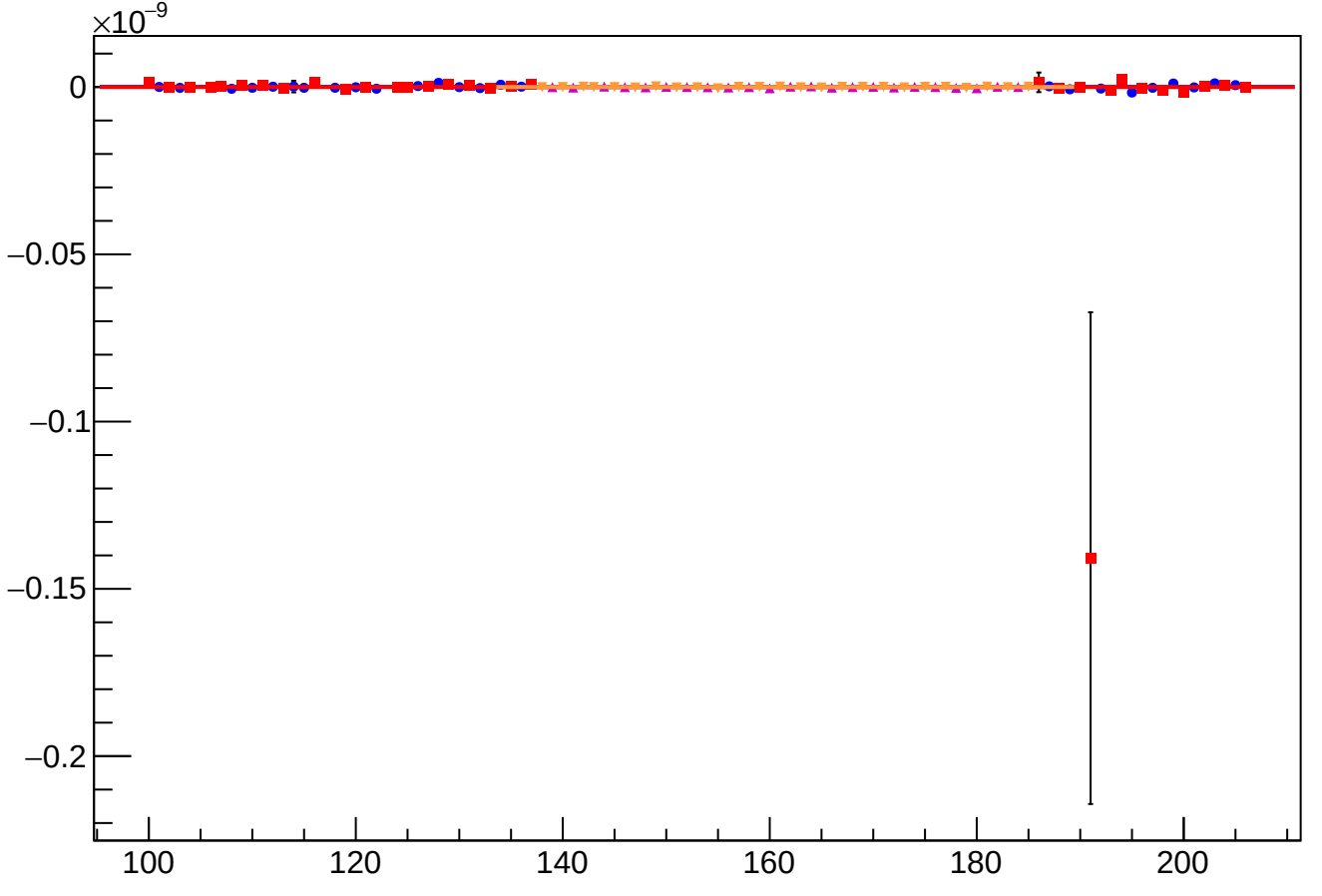
Left In: 5304.171+/-0.891 χ^2/NDF:1017974.6/22

+ sign 4621.312+/-0.587 χ^2/NDF: 4345773.9/49

All: 4625.529+/-0.412 χ^2/NDF: 9252927.4/10

- sign 4629.642+/-0.580 χ^2/NDF: 4907051.4/53

asym_atr1l2_avg_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

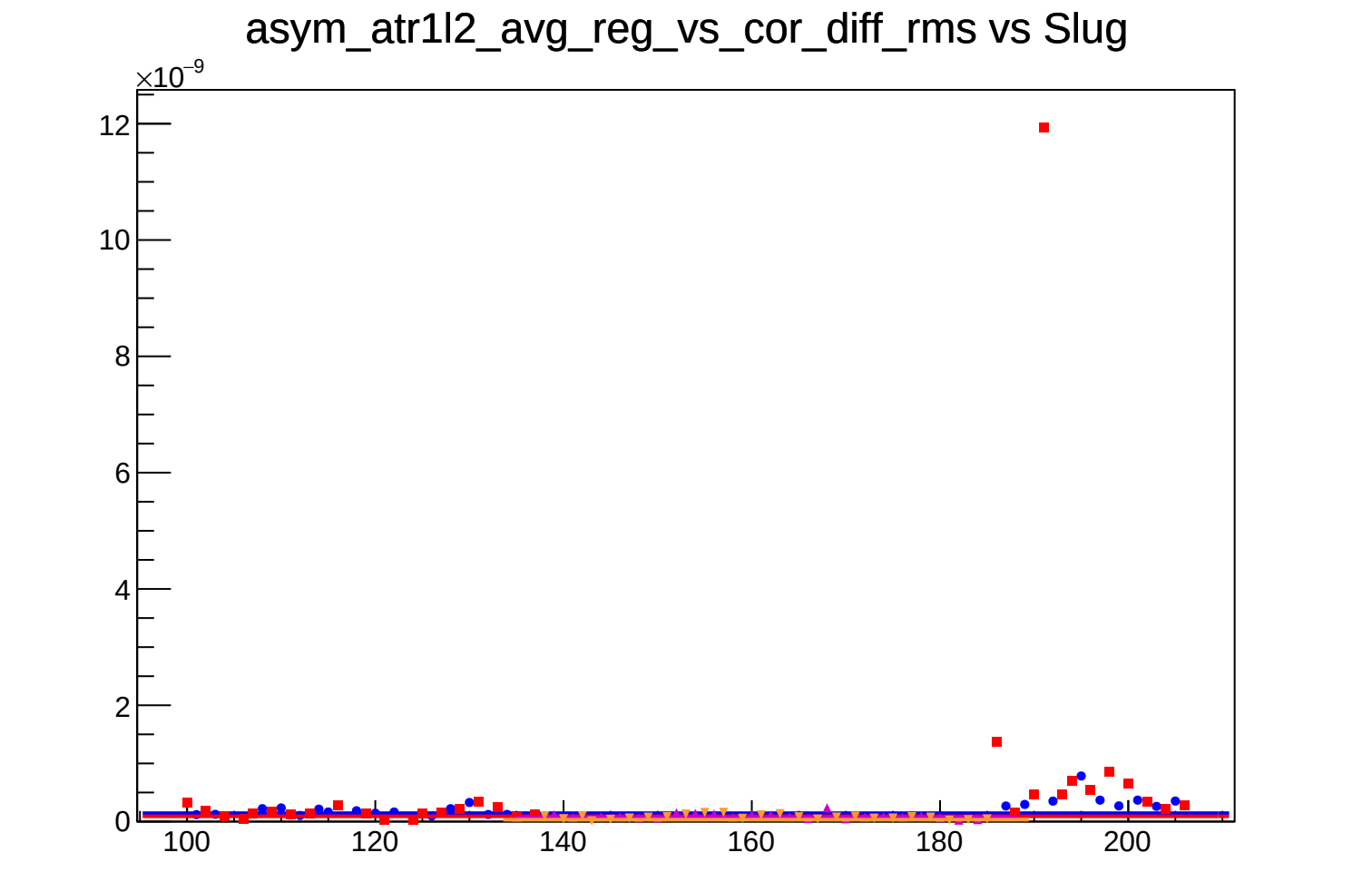
Right Out: 0.000+/-0.000 χ^2/NDF: 39.4/30

Left In: 0.000+/-0.000 χ^2/NDF:22.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.2/49

All: 0.000+/-0.000 χ^2/NDF: 107.6/103

- sign 0.000+/-0.000 χ^2/NDF: 62.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 2623368.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:6126369.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7014949.5/30

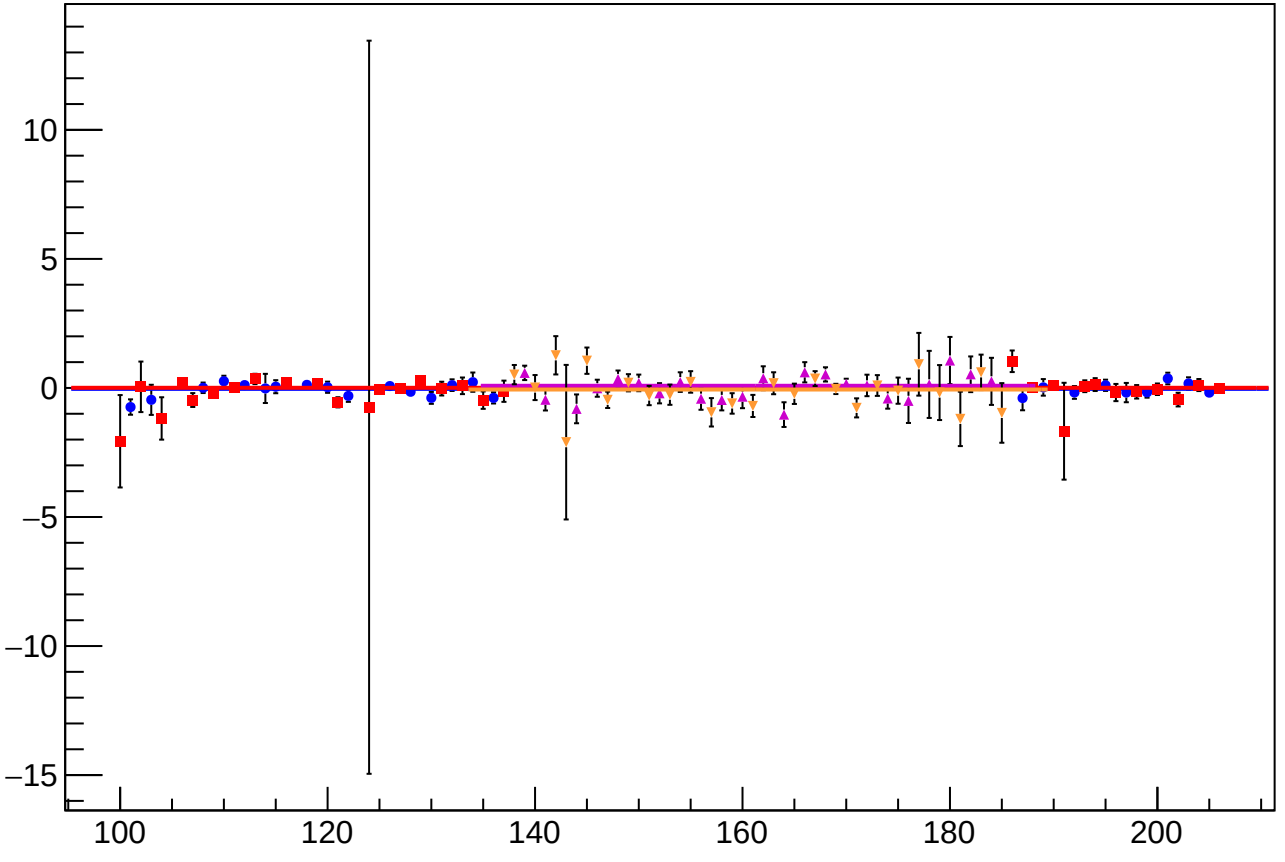
Left In: 0.000+/-0.000 χ^2/NDF:2448729.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13680084.9/49

All: 0.000+/-0.000 χ^2/NDF: 26041187.5/103

- sign 0.000+/-0.000 χ^2/NDF: 9788622.9/53

asym_atr1l2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.006+/-0.039 χ^2/NDF: 40.1/30

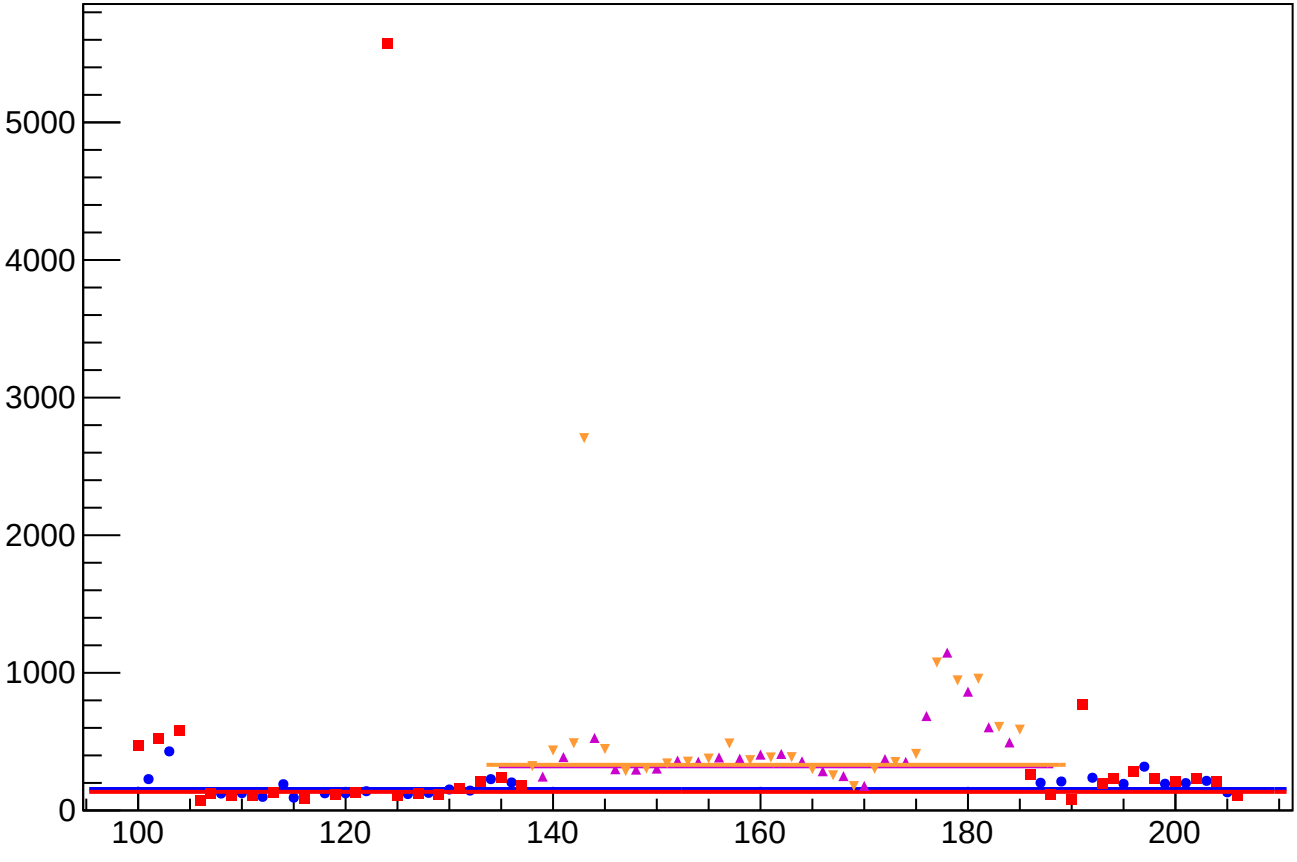
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.041+/-0.040 χ^2/NDF: 55.4/49

All: -0.006+/-0.026 χ^2/NDF: 124.6/103

- sign 0.020+/-0.035 χ^2/NDF: 67.8/53

asym_atr1l2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 155.721+/-0.032 χ^2/NDF: 2524136.0/24

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

Right Out: 135.158+/-0.027 χ^2/NDF: 4909545.6/30

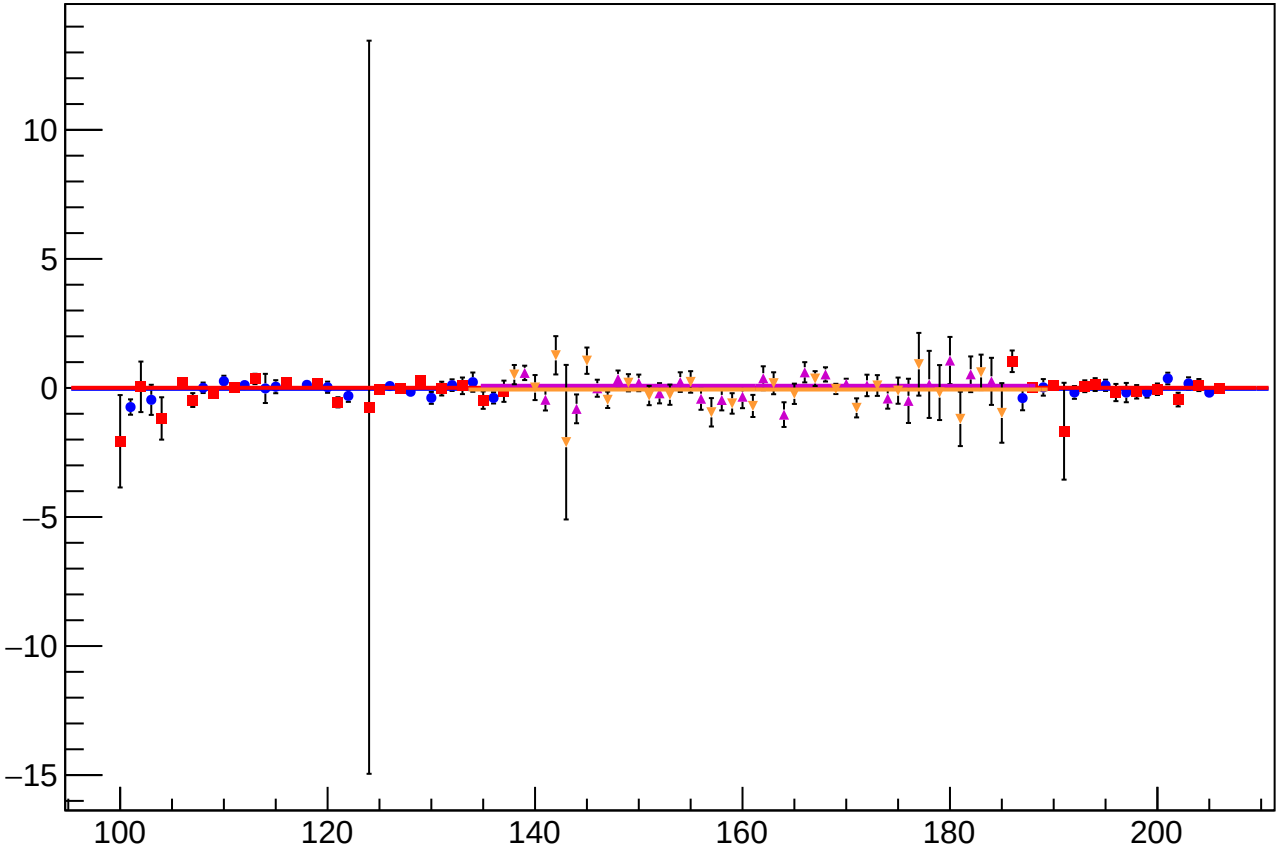
Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 196.177+/-0.028 χ^2/NDF: 15167683.8/49

All: 180.971+/-0.019 χ^2/NDF: 33356541.2/10

- sign 169.476+/-0.025 χ^2/NDF: 17684718.7/53

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.006+/-0.039 χ^2/NDF: 40.1/30

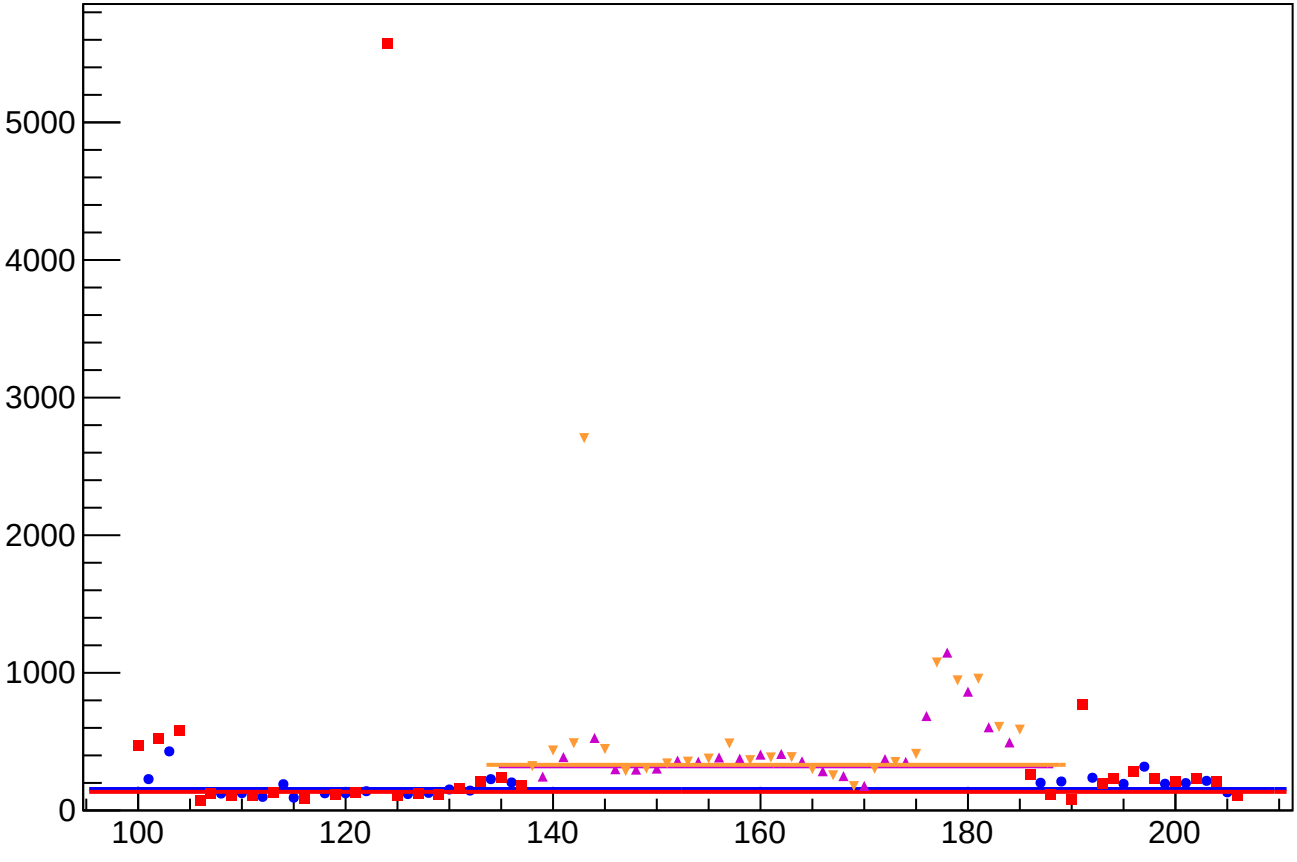
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.041+/-0.040 χ^2/NDF: 55.4/49

All: -0.006+/-0.026 χ^2/NDF: 124.6/103

\- sign 0.020+/-0.035 χ^2/NDF: 67.8/53

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 155.721+/-0.032 χ^2/NDF: 2524136.0/24

Left Out: 331.651+/-0.059 χ^2/NDF:5838206.4/24

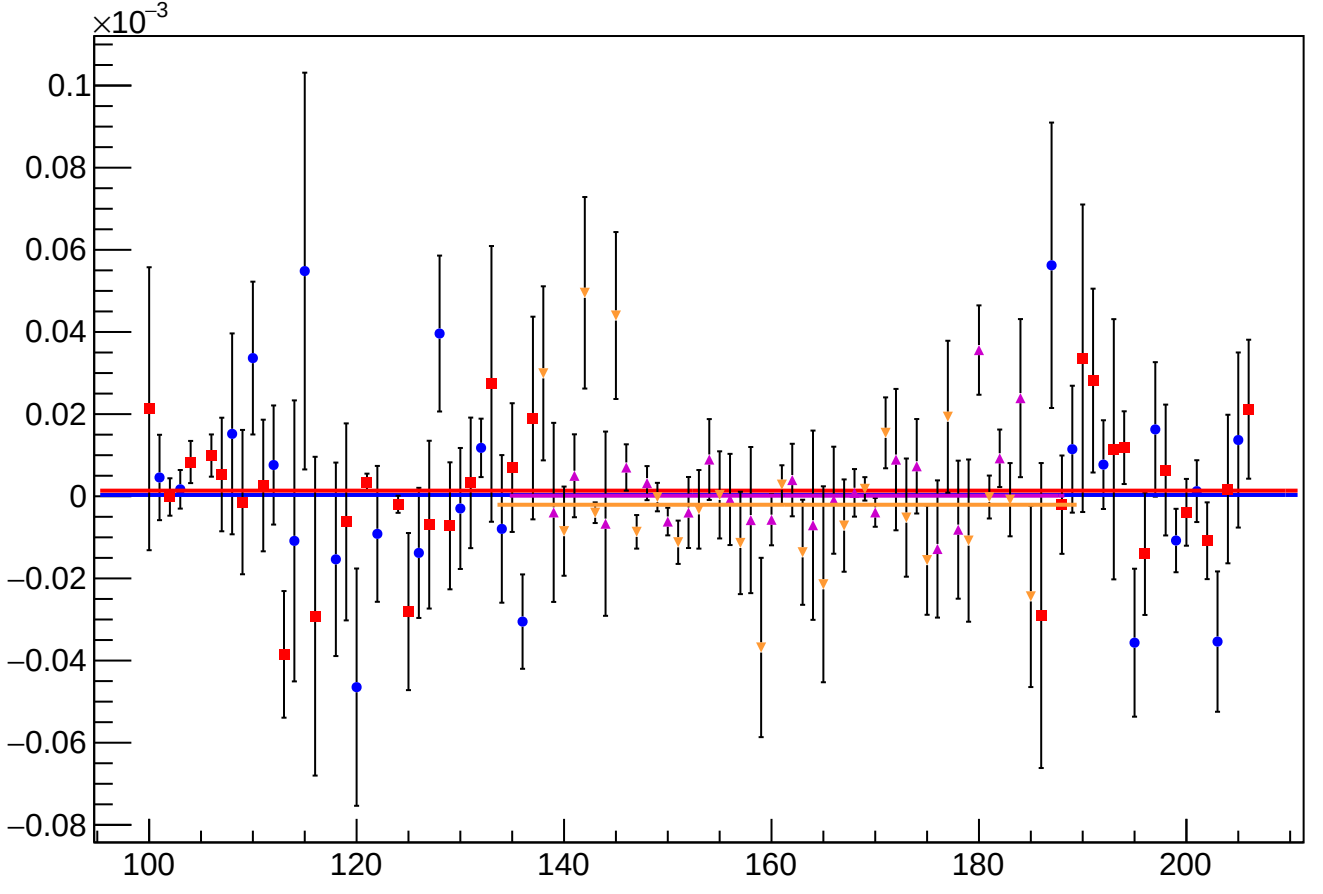
Right Out: 135.158+/-0.027 χ^2/NDF: 4909545.6/30

Left In: 320.746+/-0.057 χ^2/NDF:4248172.2/22

+ sign 196.177+/-0.028 χ^2/NDF: 15167683.8/49

All: 180.971+/-0.019 χ^2/NDF: 33356541.2/10

- sign 169.476+/-0.025 χ^2/NDF: 17684718.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 39.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:34.8/24

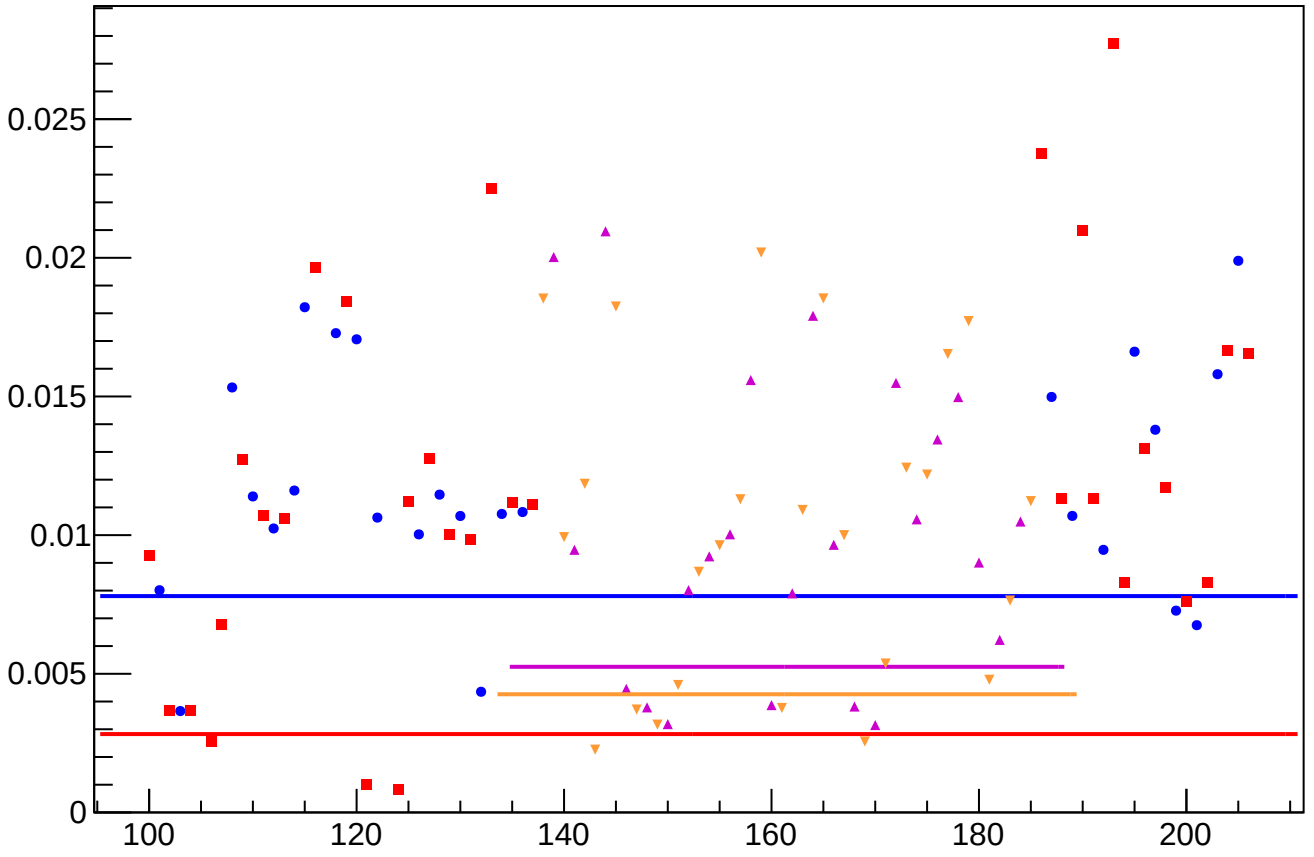
Right Out: 0.000+/-0.000 χ^2/NDF: 29.3/30

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 74.9/49

All: -0.000+/-0.000 χ^2/NDF: 132.4/103

- sign 0.000+/-0.000 χ^2/NDF: 54.6/53



Right In: 0.008+/-0.000 χ^2/NDF: 5518507.5/24

Left Out: 0.004+/-0.000 χ^2/NDF:12968514.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 19645072.4/30

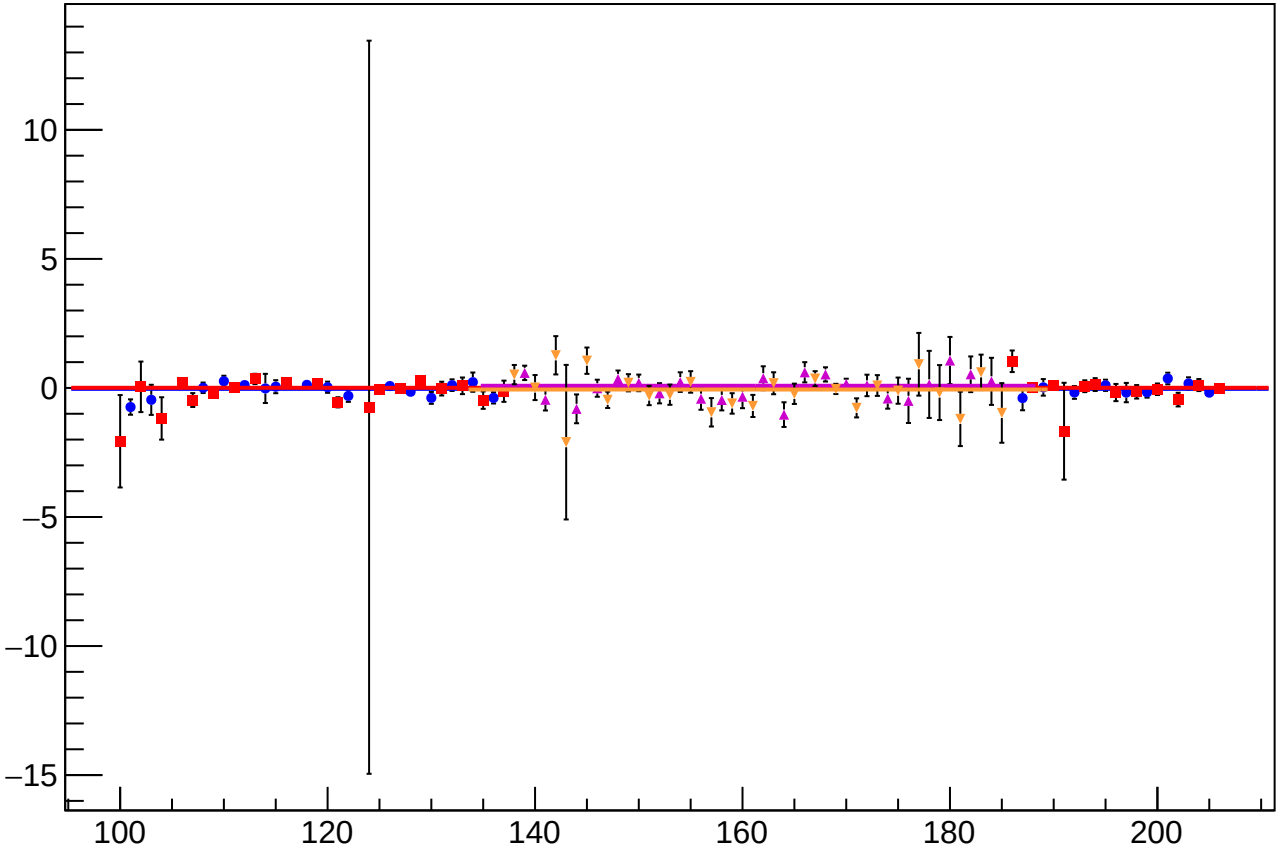
Left In: 0.005+/-0.000 χ^2/NDF:9531217.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 21922160.5/49

All: 0.004+/-0.000 χ^2/NDF: 55755837.3/103

- sign 0.004+/-0.000 χ^2/NDF: 32325690.1/53

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

Right Out: 0.006+/-0.039 χ^2/NDF: 40.1/30

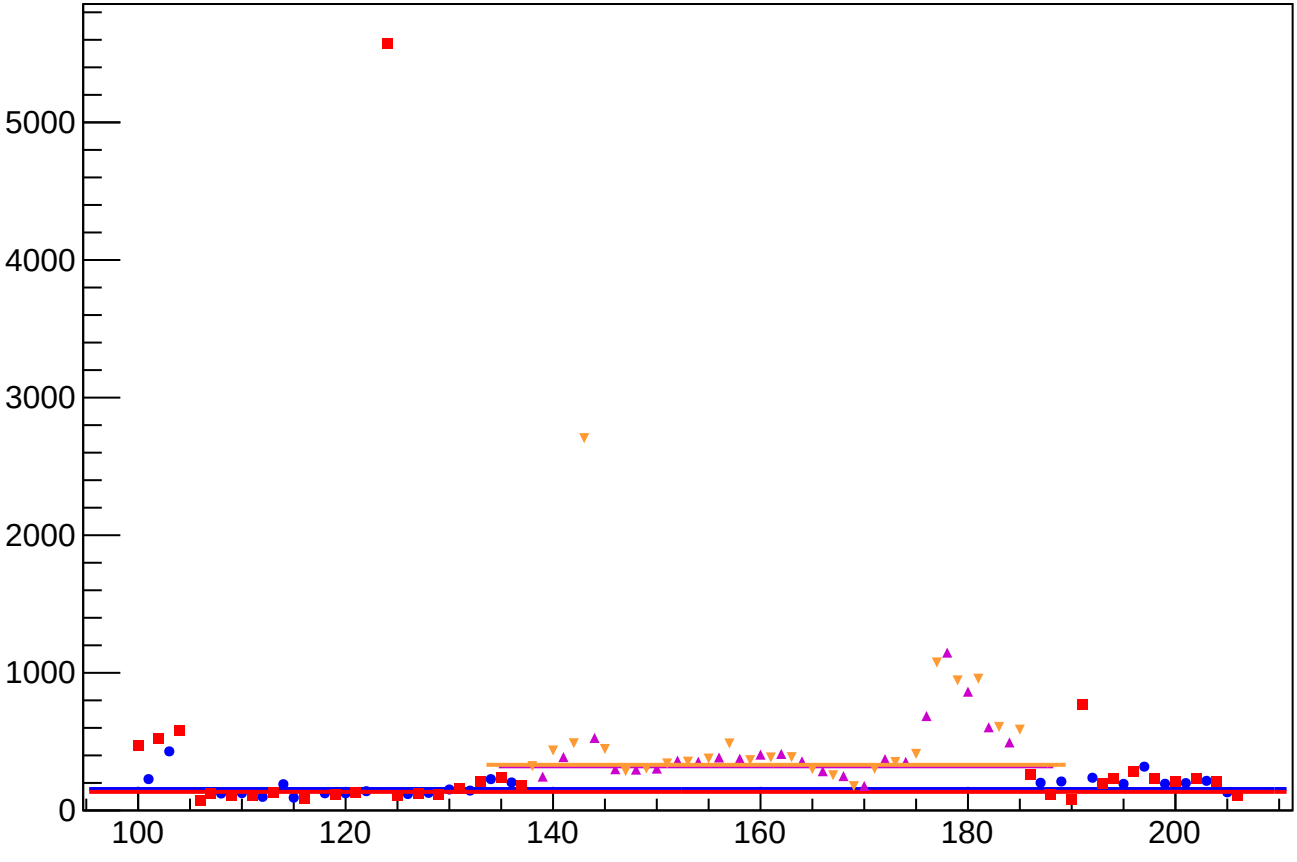
Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

+ sign -0.041+/-0.040 χ^2/NDF: 55.4/49

All: -0.006+/-0.026 χ^2/NDF: 124.6/103

- sign 0.020+/-0.035 χ^2/NDF: 67.8/53

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 155.722+/-0.032 χ^2/NDF: 2524086.5/24

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

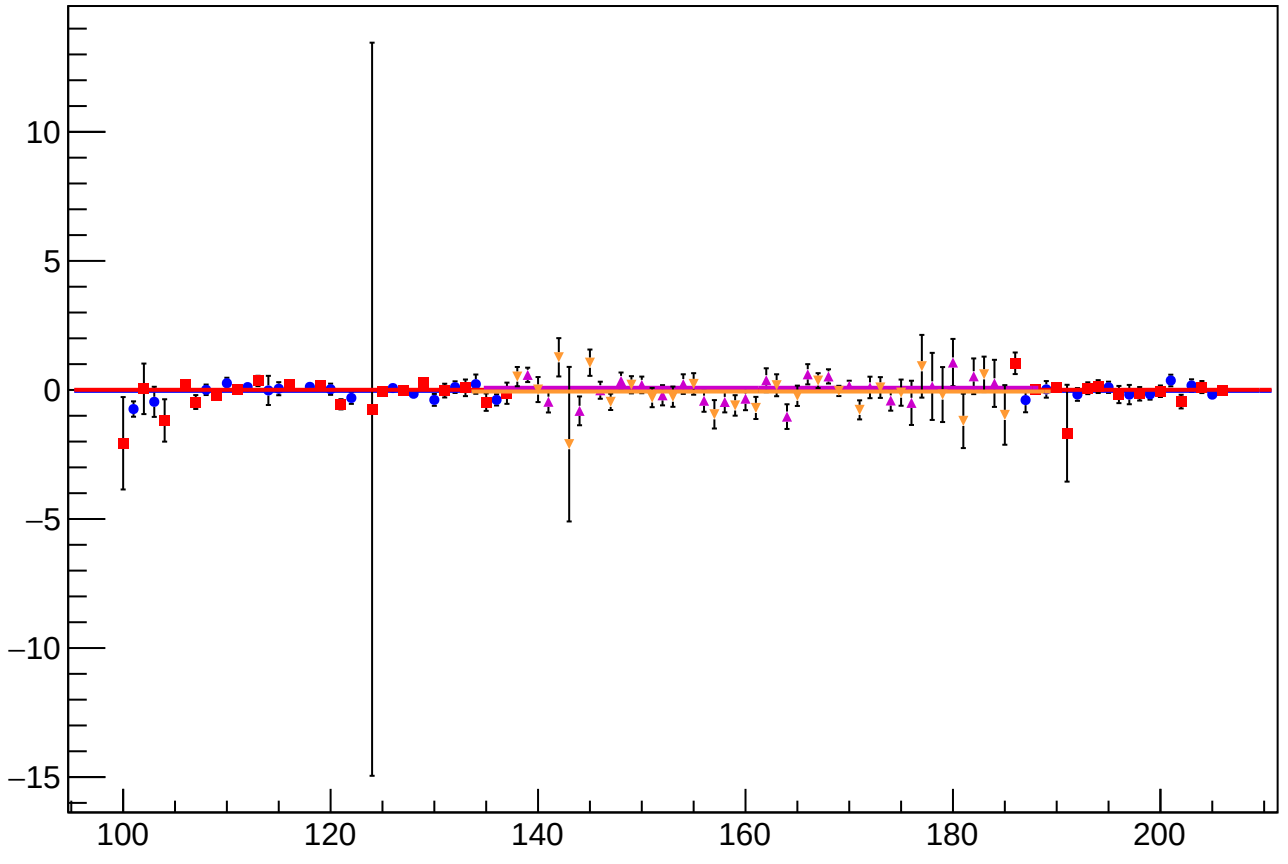
Right Out: 135.157+/-0.027 χ^2/NDF: 4909590.2/30

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

+ sign 196.177+/-0.028 χ^2/NDF: 15167725.6/49

All: 180.971+/-0.019 χ^2/NDF: 33356889.9/10

- sign 169.475+/-0.025 χ^2/NDF: 17684977.1/53



Right In: -0.035+/-0.046 χ^2/NDF: 24.6/24

Left Out: -0.061+/-0.084 χ^2/NDF:30.8/24

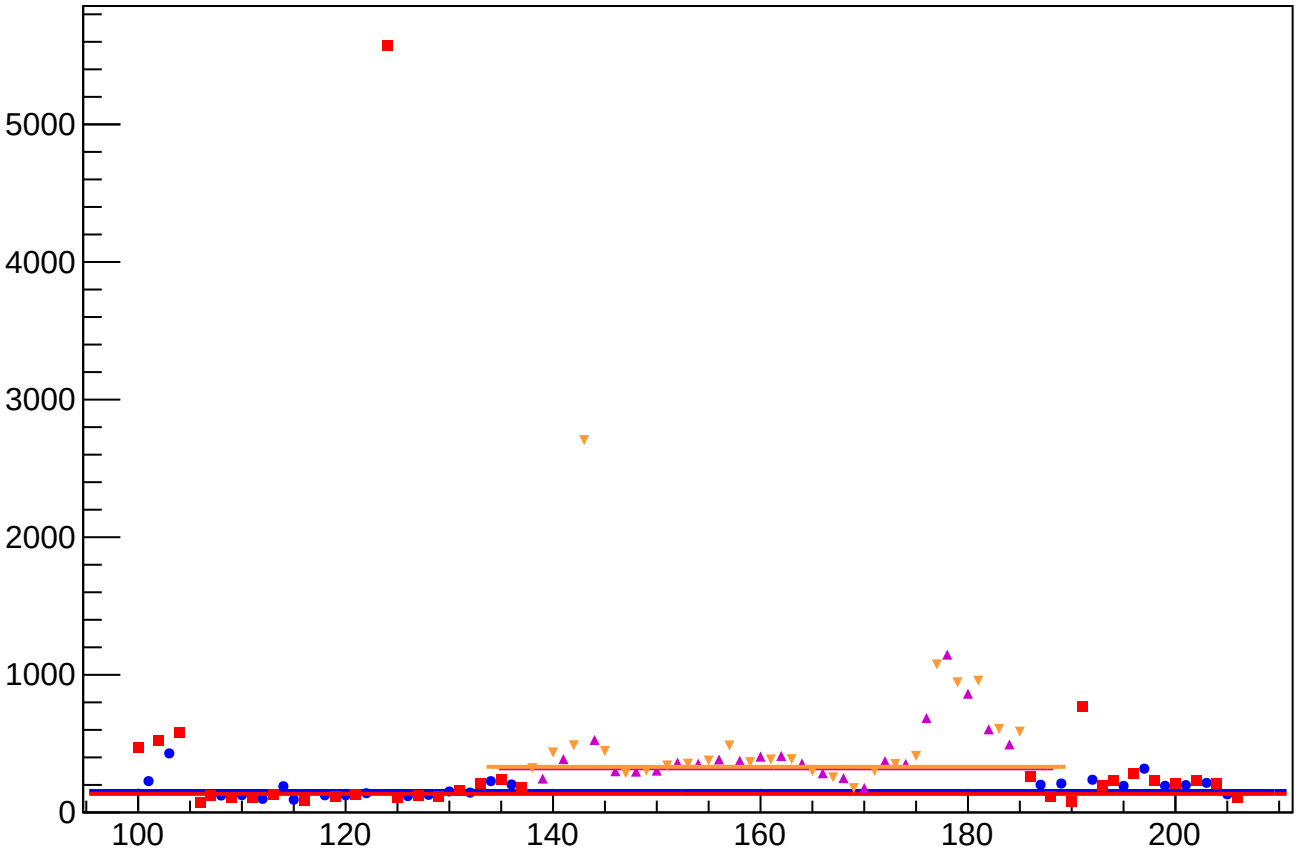
Right Out: 0.006+/-0.039 χ^2/NDF: 40.1/30

Left In: 0.084+/-0.081 χ^2/NDF:27.0/22

\+ sign -0.041+/-0.040 χ^2/NDF: 55.4/49

All: -0.006+/-0.026 χ^2/NDF: 124.6/103

\- sign 0.020+/-0.035 χ^2/NDF: 67.8/53



Right In: 155.722+/-0.032 χ^2/NDF: 2524086.5/24

Left Out: 331.653+/-0.059 χ^2/NDF:5838264.0/24

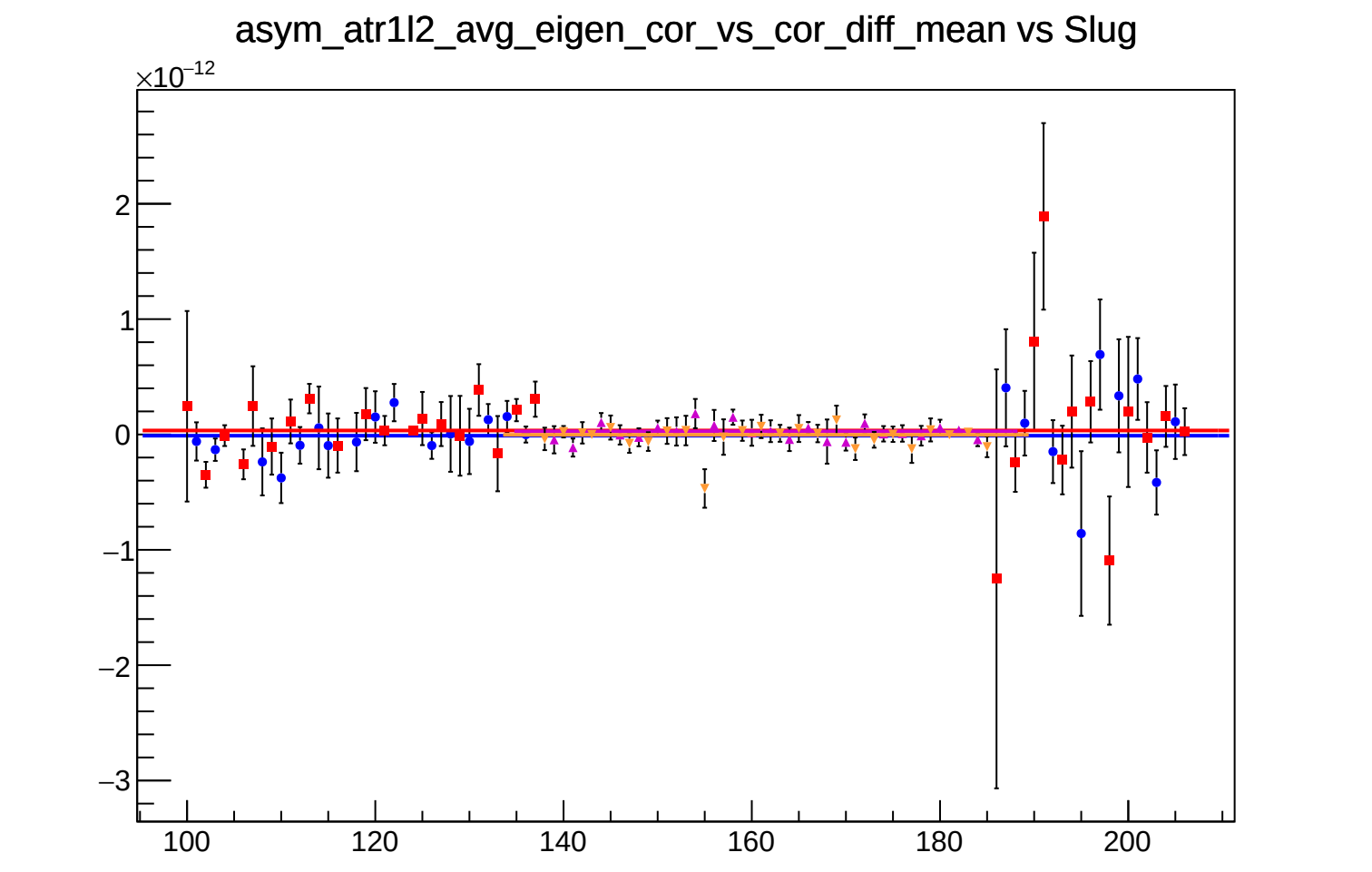
Right Out: 135.157+/-0.027 χ^2/NDF: 4909590.2/30

Left In: 320.749+/-0.057 χ^2/NDF:4248171.3/22

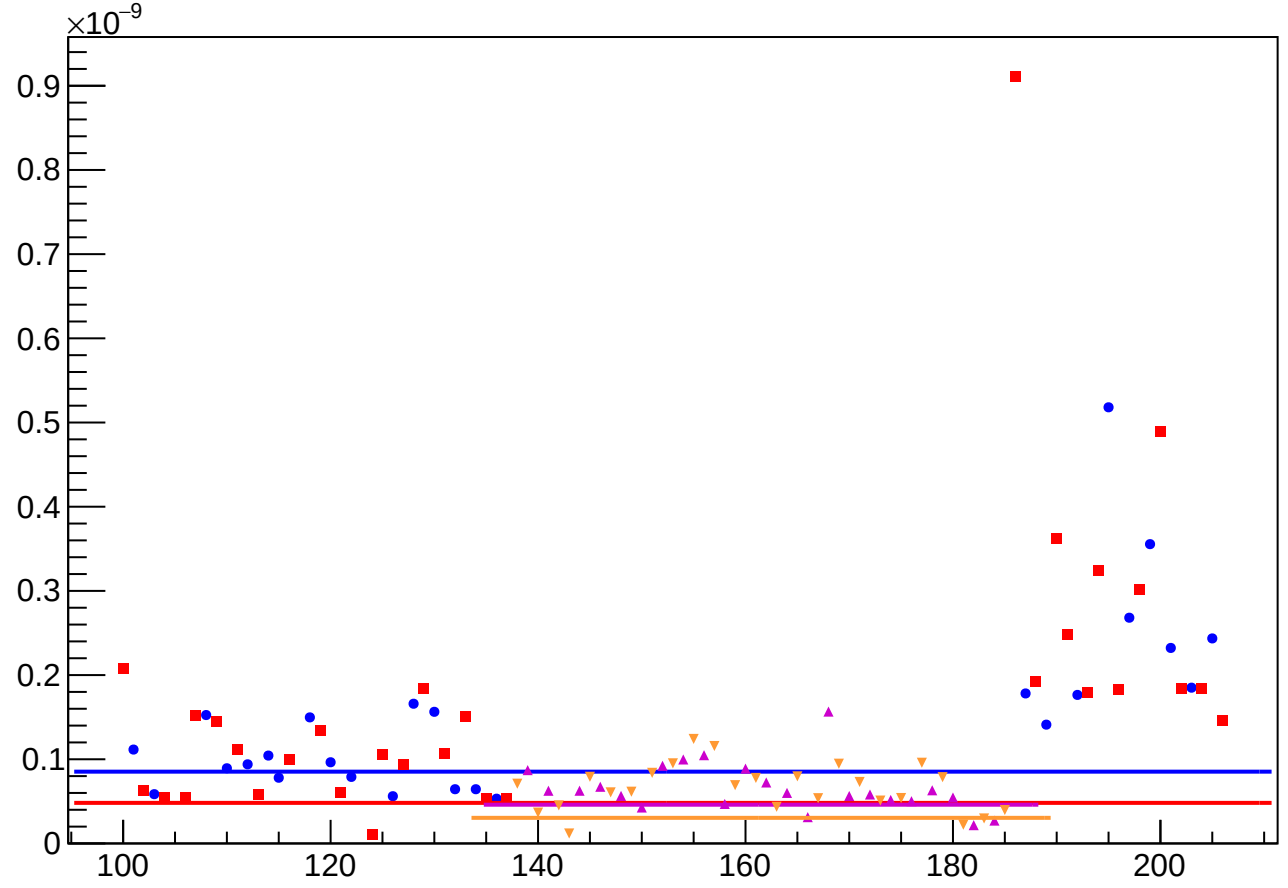
+ sign 196.177+/-0.028 χ^2/NDF: 15167725.6/49

All: 180.971+/-0.019 χ^2/NDF: 33356889.9/10

- sign 169.475+/-0.025 χ^2/NDF: 17684977.1/53


asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 21.7/24
Left Out: -0.000+/-0.000 χ²/NDF:17.0/24
Right Out: 0.000+/-0.000 χ²/NDF: 46.8/30
Left In: 0.000+/-0.000 χ²/NDF:16.1/22
+ sign -0.000+/-0.000 χ²/NDF: 38.7/49
All: 0.000+/-0.000 χ²/NDF: 105.7/103
- sign 0.000+/-0.000 χ²/NDF: 63.0/53

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4442149.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:10517831.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10133807.3/30

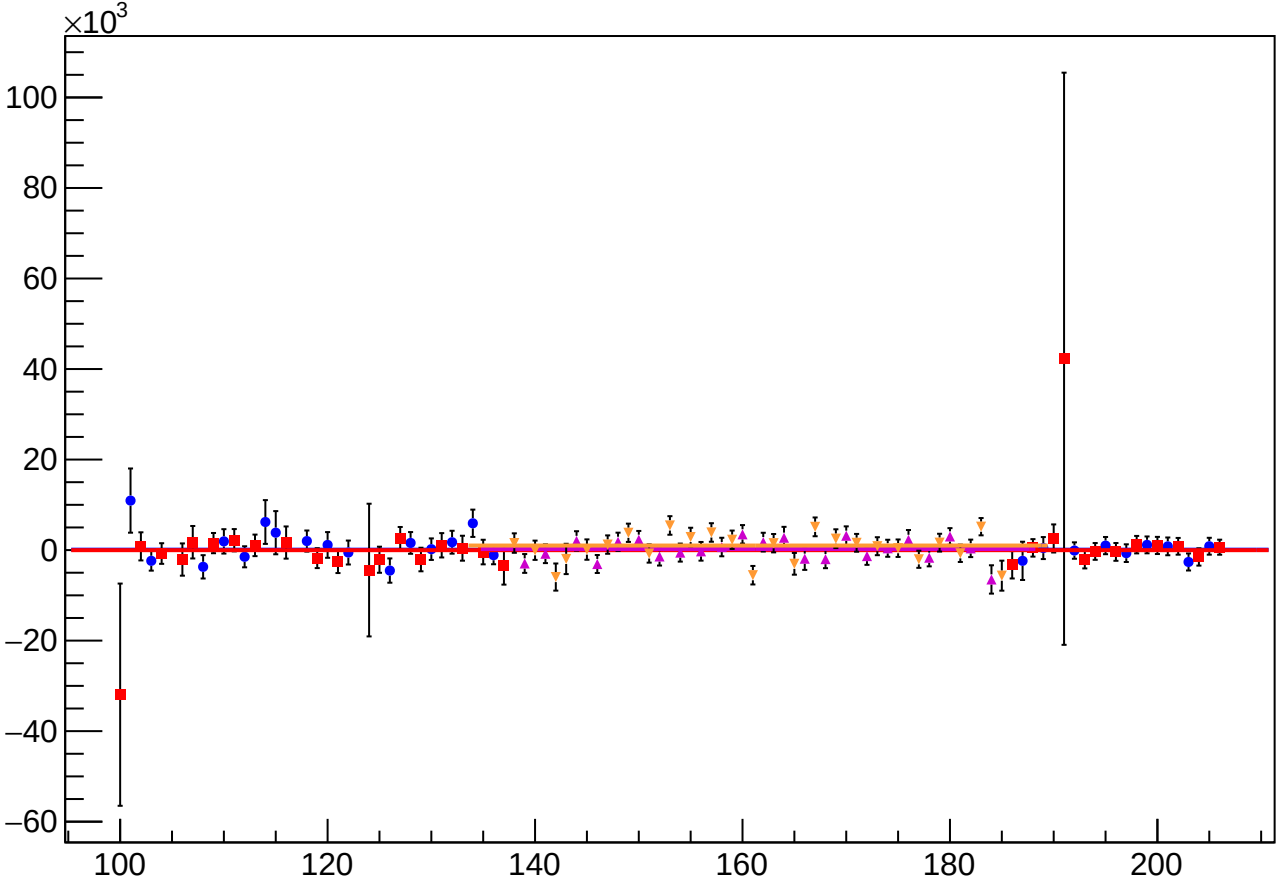
Left In: 0.000+/-0.000 χ^2/NDF:4899715.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 19327301.8/49

All: 0.000+/-0.000 χ^2/NDF: 35387927.2/103

- sign 0.000+/-0.000 χ^2/NDF: 15045197.5/53

reg_asym_atr1l2_dd_mean vs Slug



Right In: 89.564+/-474.984 χ^2/NDF: 21.1/24

Left Out: 1004.165+/-422.582 χ^2/NDF:47.4/24

Right Out: -17.279+/-443.737 χ^2/NDF: 14.0/30

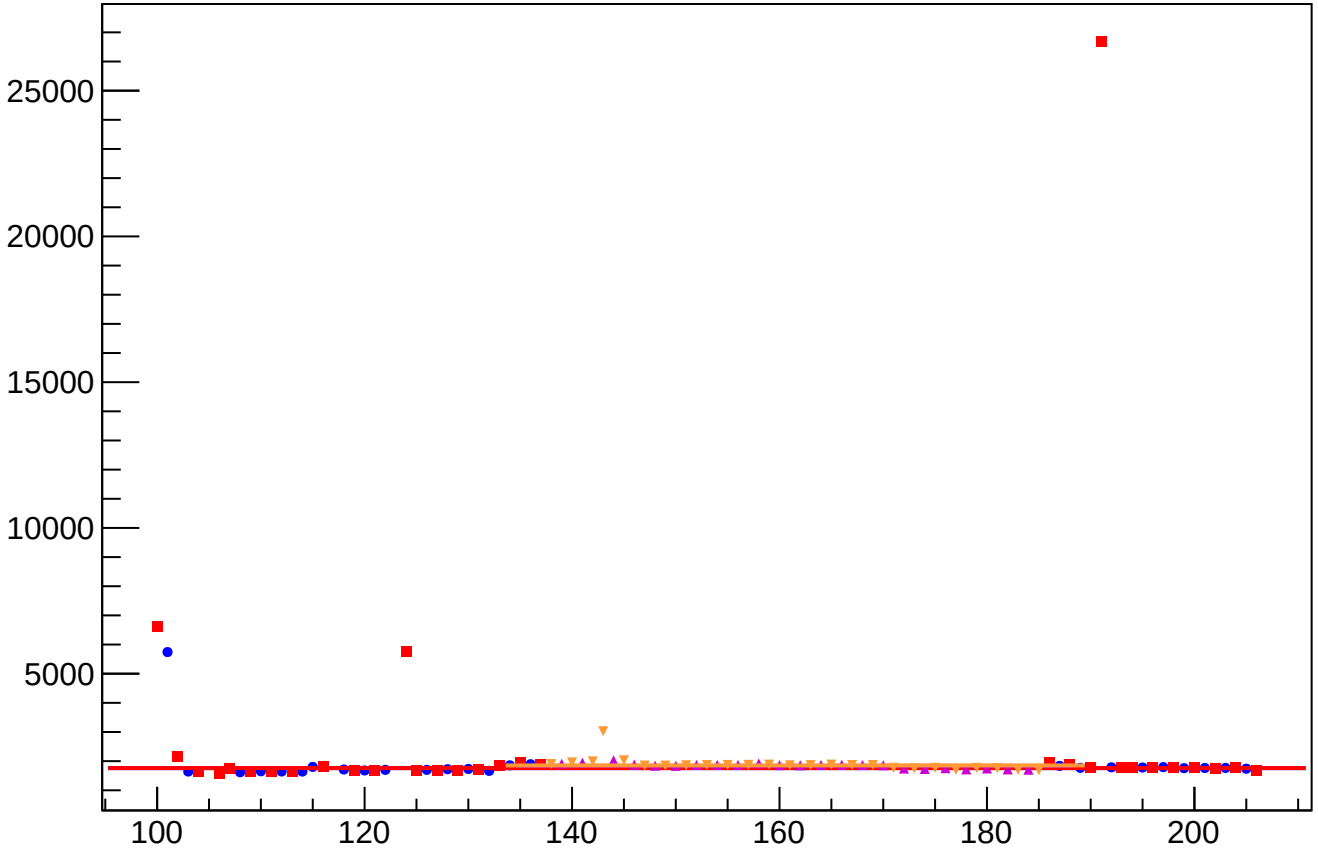
Left In: 229.321+/-429.699 χ^2/NDF:26.4/22

+ sign 600.079+/-315.718 χ^2/NDF: 70.6/49

All: 349.513+/-220.718 χ^2/NDF: 112.4/103

- sign 109.984+/-308.687 χ^2/NDF: 40.6/53

reg_asym_atr1l2_dd_rms vs Slug



Right In: 1761.042+/-0.336 χ^2/NDF: 672330.2/24

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1761.751+/-0.313 χ^2/NDF: 644693.7/30

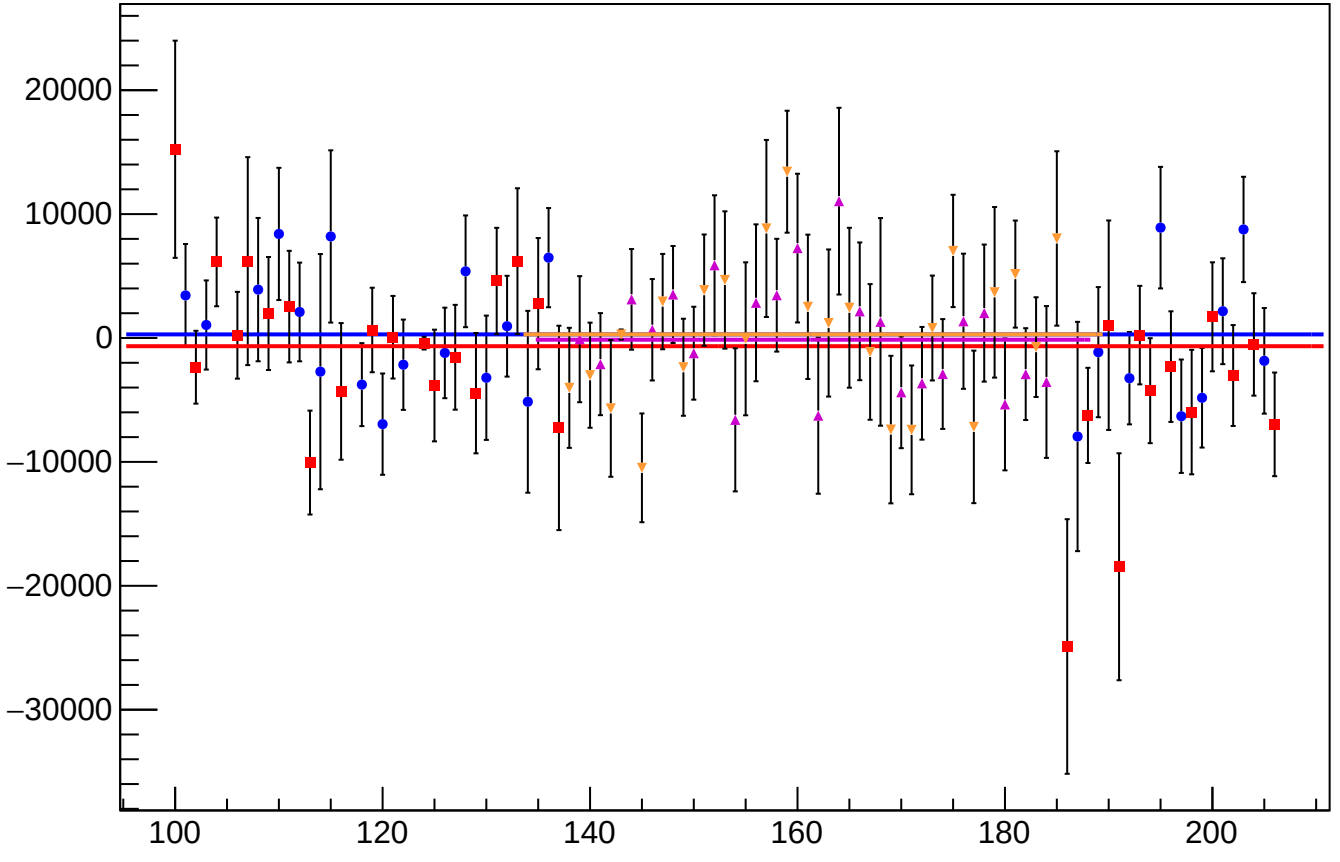
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1812.111+/-0.223 χ^2/NDF: 1034789.8/49

All: 1806.546+/-0.156 χ^2/NDF: 1780182.8/10

- sign 1801.243+/-0.218 χ^2/NDF: 744179.4/53

asym_atr1l2_dd_reg_correction_mean vs Slug



Right In: 291.126+/-890.461 χ^2/NDF: 27.8/24

Left Out: 294.407+/-379.922 χ^2/NDF:30.0/24

Right Out: -662.290+/-434.043 χ^2/NDF: 36.2/30

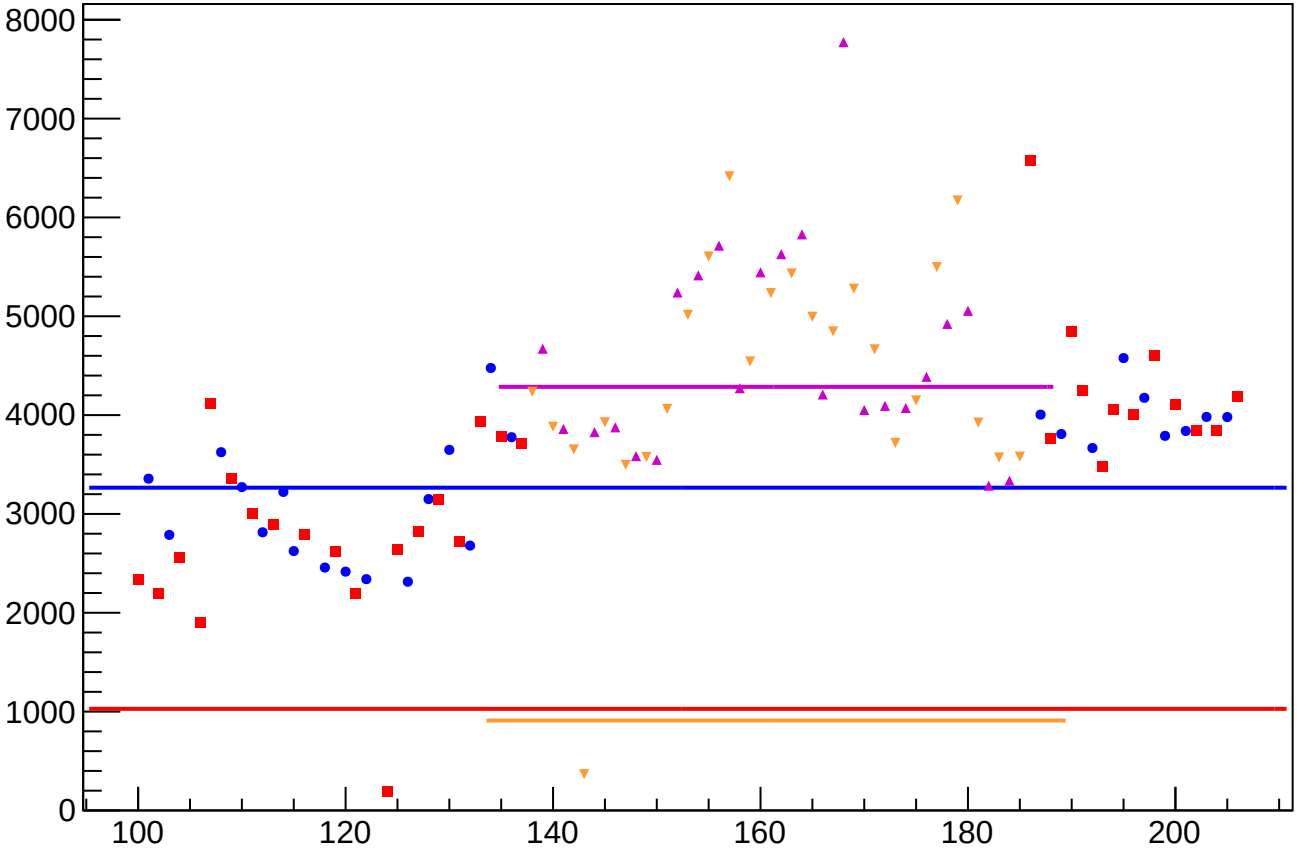
Left In: -138.350+/-1022.943 χ^2/NDF:13.9/22

+ sign 293.902+/-349.445 χ^2/NDF: 57.9/49

All: -85.854+/-263.040 χ^2/NDF: 110.9/103

- sign -582.352+/-399.563 χ^2/NDF: 50.3/53

asym_atr1l2_dd_reg_correction_rms vs Slug



Right In: 3265.524+/-0.630 χ^2/NDF: 1157771.1/24

Left Out: 910.135+/-0.269 χ^2/NDF:26774123.9/24

Right Out: 1027.941+/-0.307 χ^2/NDF: 21196240.1/30

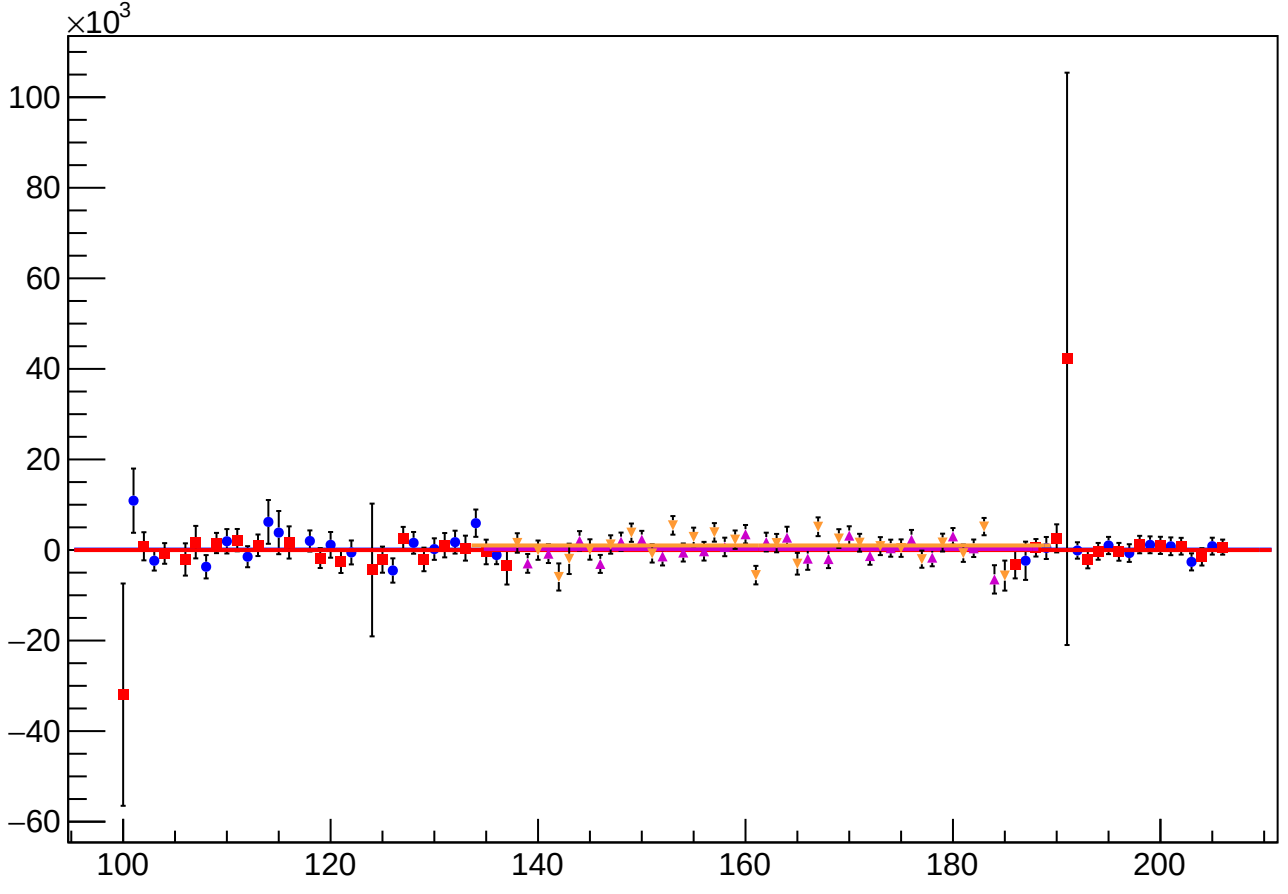
Left In: 4285.839+/-0.723 χ^2/NDF:1327947.9/22

+ sign 1272.871+/-0.247 χ^2/NDF: 39770329.2/49

All: 1382.139+/-0.186 χ^2/NDF: 79936931.3/1

- sign 1524.997+/-0.283 χ^2/NDF: 39715387.2/53

cor_asym_atr1l2_dd_mean vs Slug



Right In: 89.412+/-474.984 χ^2/NDF: 21.1/24

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -17.268+/-443.737 χ^2/NDF: 14.0/30

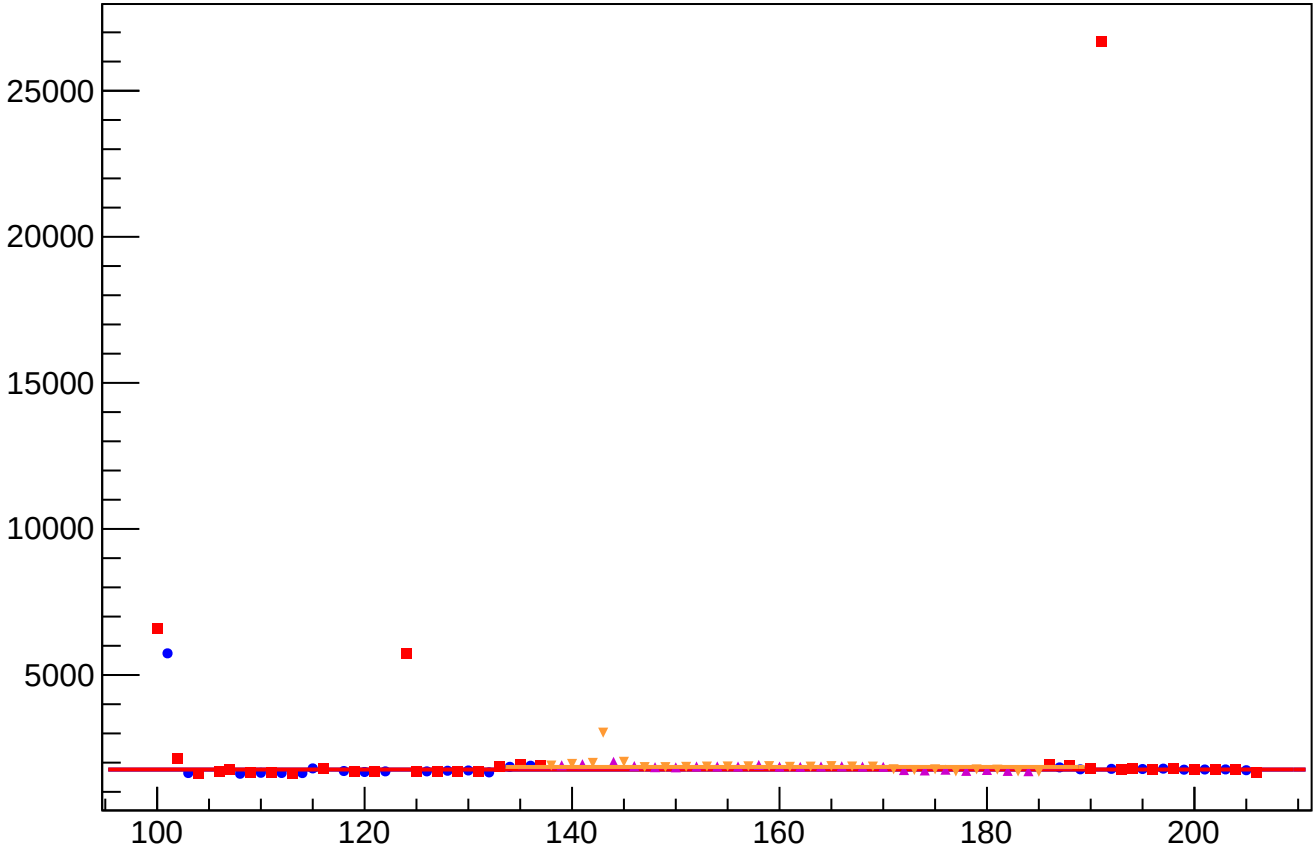
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 599.989+/-315.718 χ^2/NDF: 70.5/49

All: 349.449+/-220.718 χ^2/NDF: 112.3/103

- sign 109.945+/-308.687 χ^2/NDF: 40.6/53

cor_asym_atr1l2_dd_rms vs Slug



Right In: 1761.041+/-0.336 χ^2/NDF: 672330.4/24

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1764.911+/-0.313 χ^2/NDF: 636808.0/30

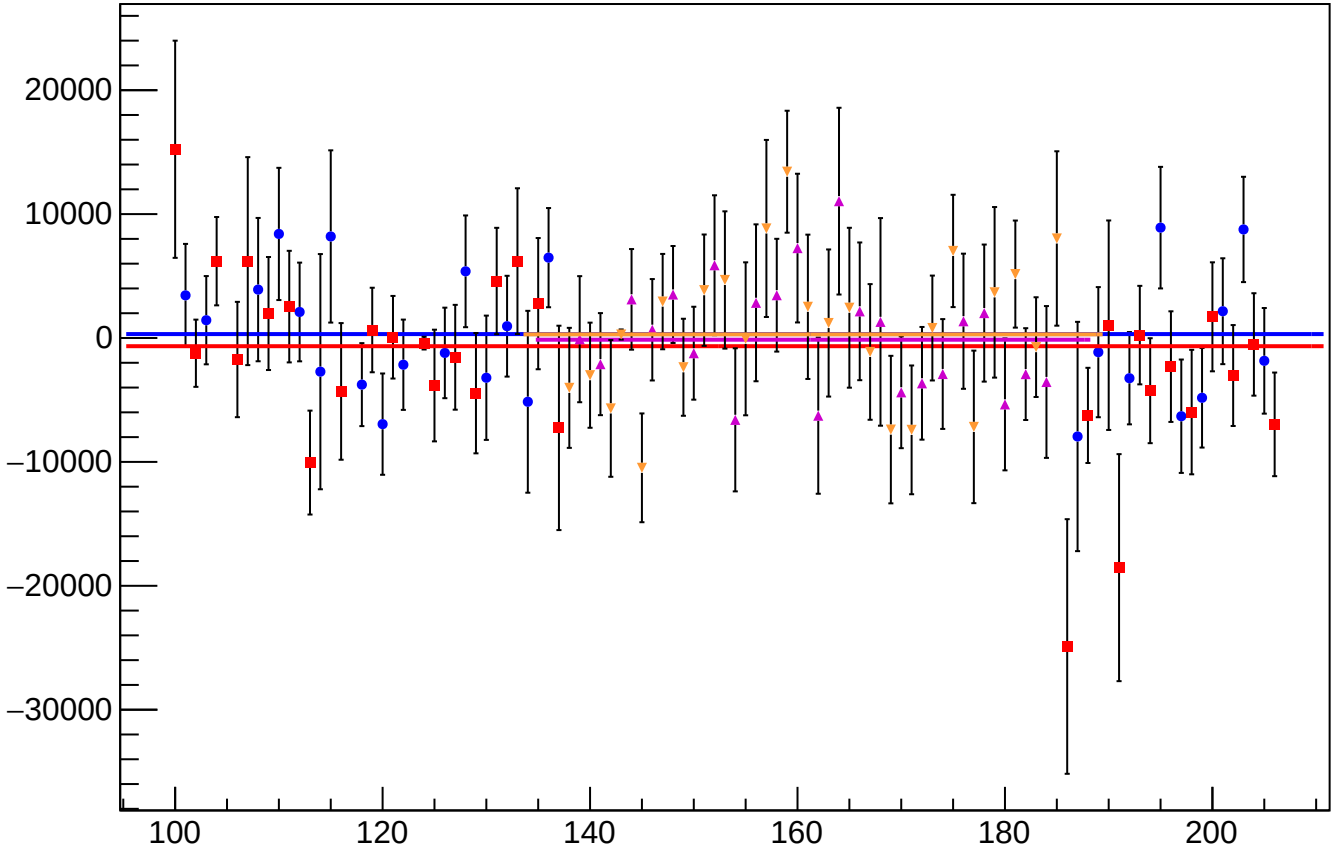
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1812.111+/-0.223 χ^2/NDF: 1034790.2/49

All: 1807.367+/-0.156 χ^2/NDF: 1769417.4/10

- sign 1802.839+/-0.218 χ^2/NDF: 733744.6/53

asym_atr1l2_dd_cor_correction_mean vs Slug



Right In: 316.262+/-889.912 χ^2/NDF: 27.9/24

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -661.480+/-434.822 χ^2/NDF: 36.0/30

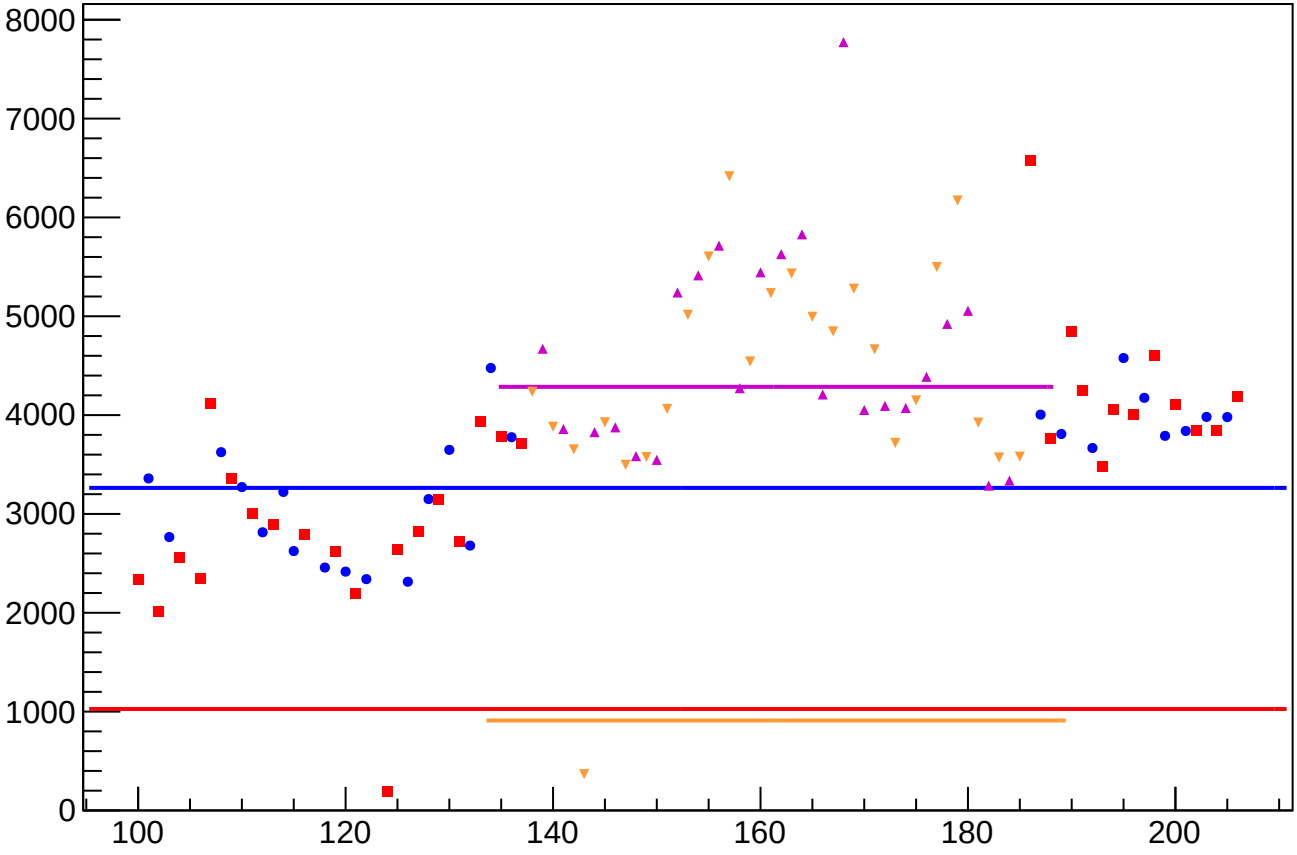
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 298.539+/-349.434 χ^2/NDF: 57.9/49

All: -82.150+/-263.209 χ^2/NDF: 110.8/103

- sign -581.412+/-400.170 χ^2/NDF: 50.1/53

asym_atr1l2_dd_cor_correction_rms vs Slug



Right In: 3263.639+/-0.629 χ^2/NDF: 1161960.0/24

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1026.409+/-0.307 χ^2/NDF: 21168601.4/30

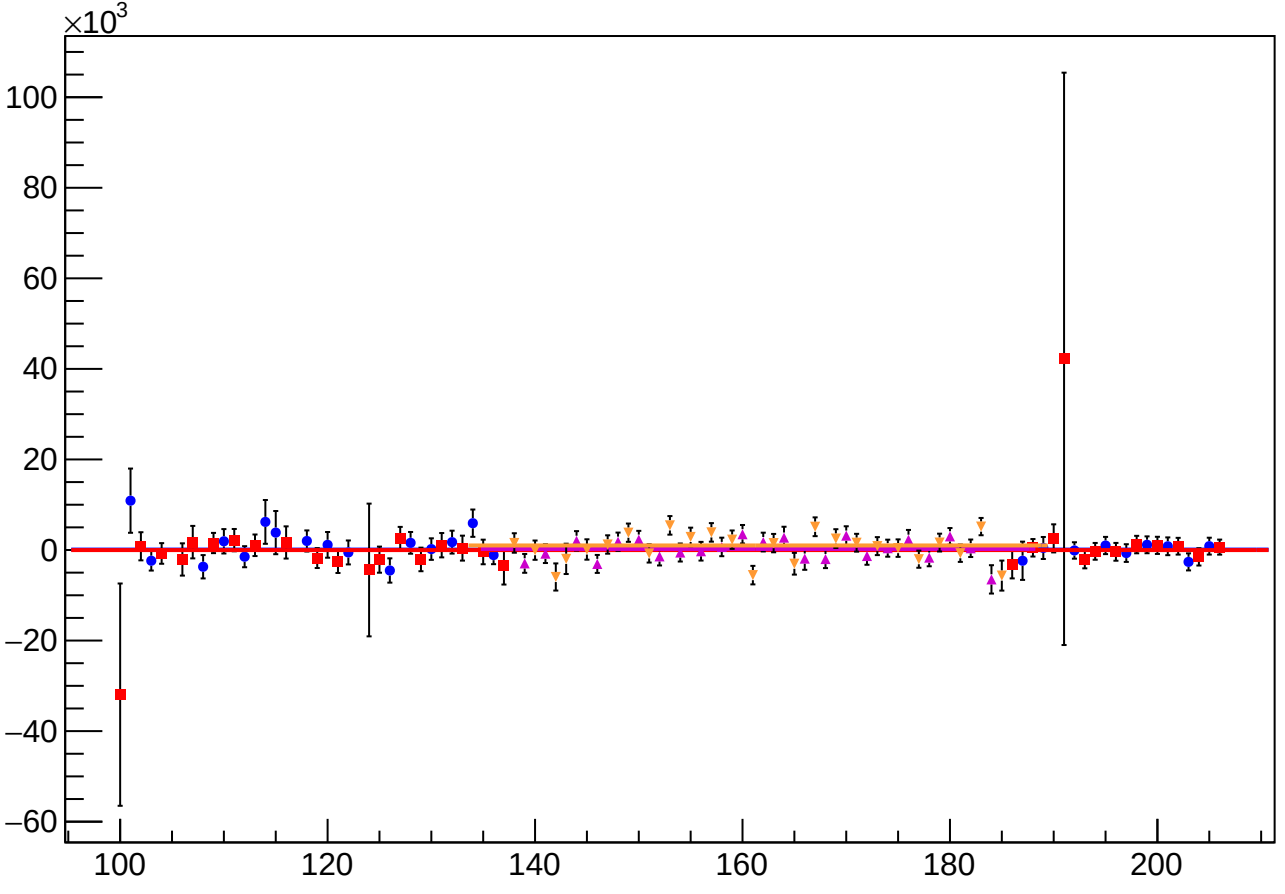
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1273.106+/-0.247 χ^2/NDF: 39765296.6/49

All: 1382.173+/-0.186 χ^2/NDF: 79910139.4/1

- sign 1525.211+/-0.283 χ^2/NDF: 39694468.2/53

eigen_cor_asym_atr1l2_dd_mean vs Slug



Right In: 89.412+/-474.984 χ^2/NDF: 21.1/24

Left Out: 1004.123+/-422.582 χ^2/NDF:47.4/24

Right Out: -17.268+/-443.737 χ^2/NDF: 14.0/30

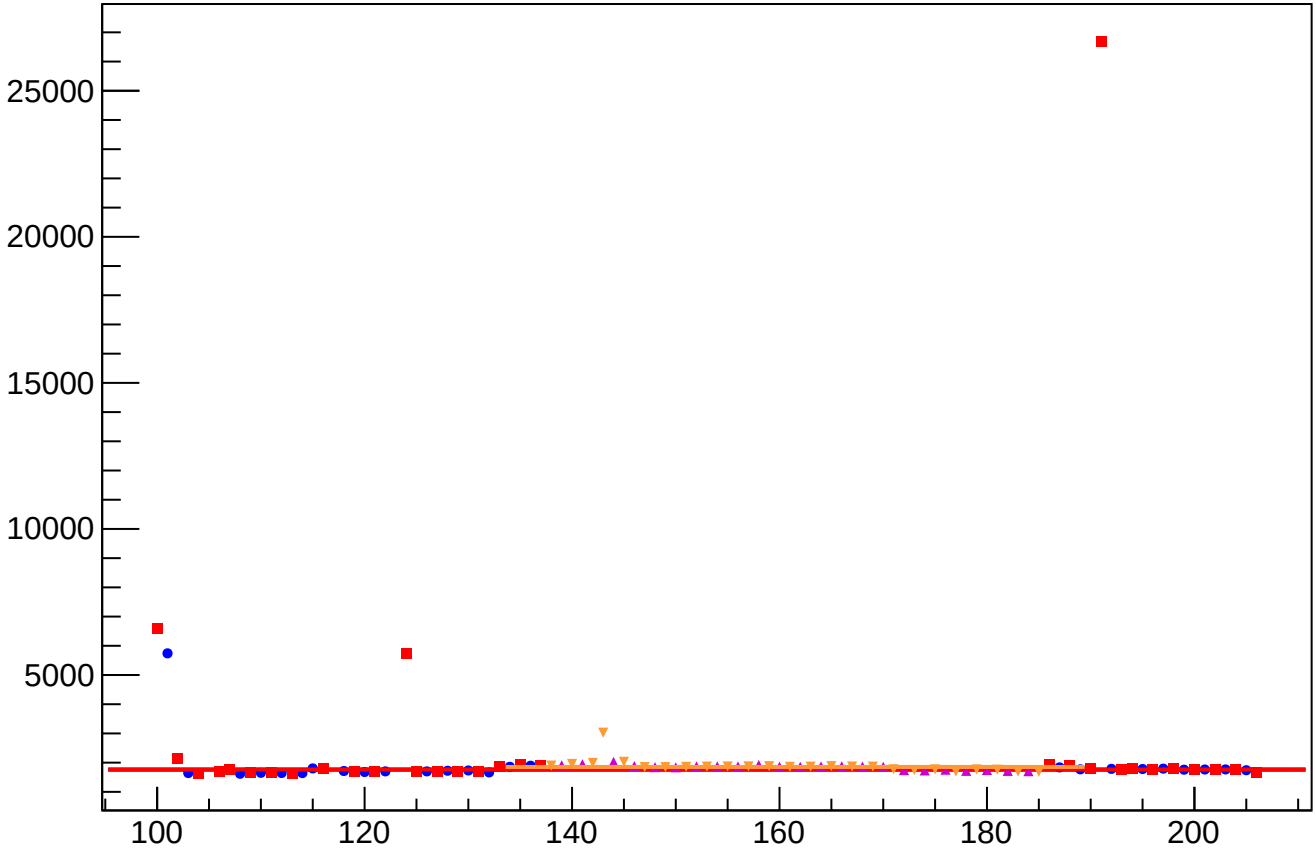
Left In: 229.236+/-429.699 χ^2/NDF:26.4/22

+ sign 599.989+/-315.718 χ^2/NDF: 70.5/49

All: 349.449+/-220.718 χ^2/NDF: 112.3/103

- sign 109.945+/-308.687 χ^2/NDF: 40.6/53

eigen_cor_asym_atr1l2_dd_rms vs Slug



Right In: 1761.041+/-0.336 χ^2/NDF: 672330.4/24

Left Out: 1852.534+/-0.299 χ^2/NDF:321038.9/24

Right Out: 1764.911+/-0.313 χ^2/NDF: 636808.0/30

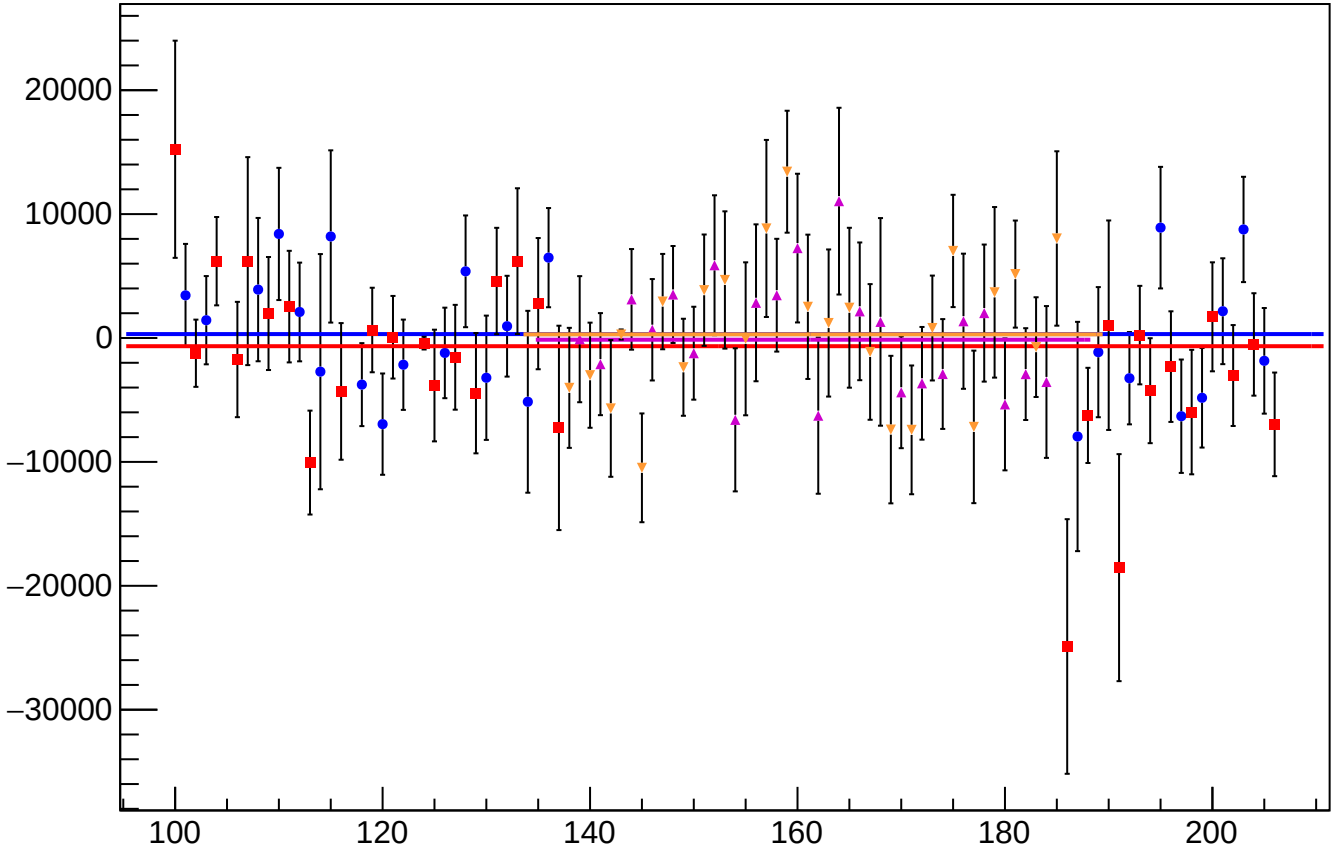
Left In: 1838.528+/-0.304 χ^2/NDF:68478.0/22

+ sign 1812.111+/-0.223 χ^2/NDF: 1034790.2/49

All: 1807.367+/-0.156 χ^2/NDF: 1769417.4/10

- sign 1802.839+/-0.218 χ^2/NDF: 733744.6/53

asym_atr1l2_dd_eigen_cor_correction_mean vs Slug



Right In: 316.262+/-889.912 χ^2/NDF: 27.9/24

Left Out: 295.308+/-379.951 χ^2/NDF:30.0/24

Right Out: -661.480+/-434.822 χ^2/NDF: 36.0/30

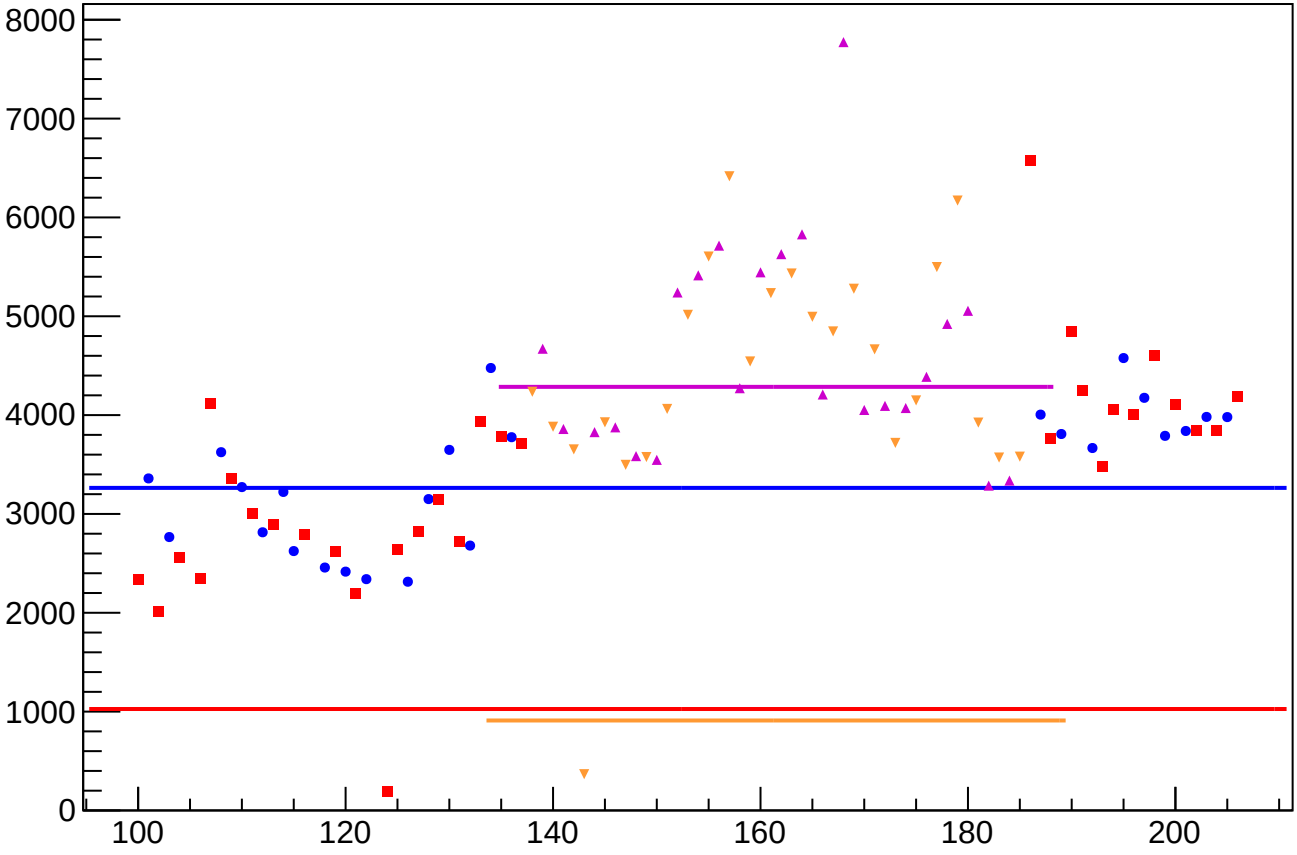
Left In: -138.272+/-1022.940 χ^2/NDF:13.9/22

+ sign 298.539+/-349.434 χ^2/NDF: 57.9/49

All: -82.150+/-263.209 χ^2/NDF: 110.8/103

- sign -581.412+/-400.170 χ^2/NDF: 50.1/53

asym_atr1l2_dd_eigen_cor_correction_rms vs Slug



Right In: 3263.639+/-0.629 χ^2/NDF: 1161960.0/24

Left Out: 910.253+/-0.269 χ^2/NDF:26772969.1/24

Right Out: 1026.409+/-0.307 χ^2/NDF: 21168601.4/30

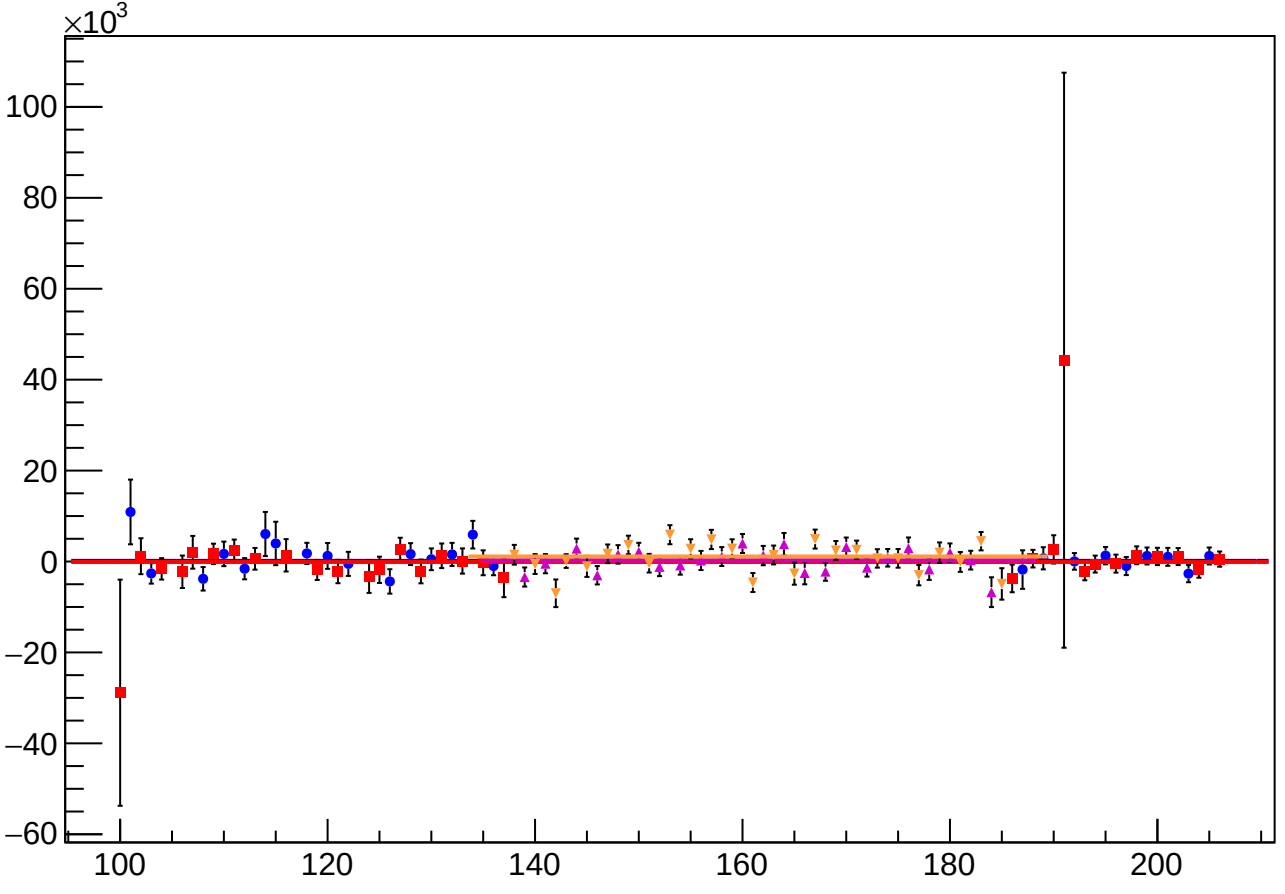
Left In: 4285.828+/-0.723 χ^2/NDF:1327963.4/22

+ sign 1273.106+/-0.247 χ^2/NDF: 39765296.6/49

All: 1382.173+/-0.186 χ^2/NDF: 79910139.4/1

- sign 1525.211+/-0.283 χ^2/NDF: 39694468.2/53

dit_asym_atr1l2_dd_mean vs Slug



Right In: 144.722+/-478.093 χ^2/NDF: 21.3/24

Left Out: 1103.308+/-425.320 χ^2/NDF:44.8/24

Right Out: -99.798+/-445.014 χ^2/NDF: 15.8/30

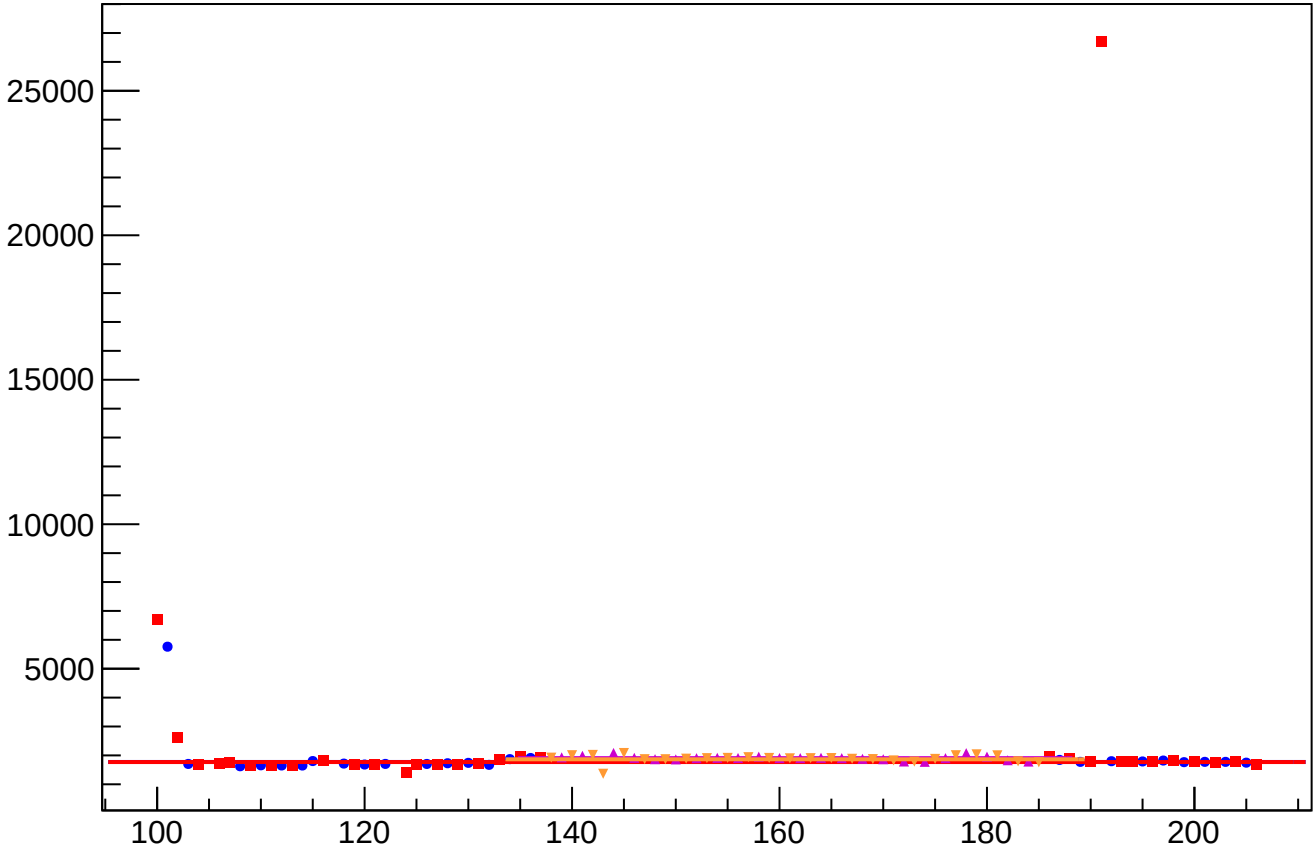
Left In: 264.609+/-445.353 χ^2/NDF:27.7/22

+ sign 679.821+/-317.773 χ^2/NDF: 68.3/49

All: 378.228+/-223.638 χ^2/NDF: 113.9/103

- sign 82.267+/-314.792 χ^2/NDF: 43.8/53

dit_asym_atr1l2_dd_rms vs Slug



Right In: 1772.581+/-0.338 χ^2/NDF: 670933.0/24

Left Out: 1864.841+/-0.301 χ^2/NDF:294712.1/24

Right Out: 1769.988+/-0.314 χ^2/NDF: 568628.0/30

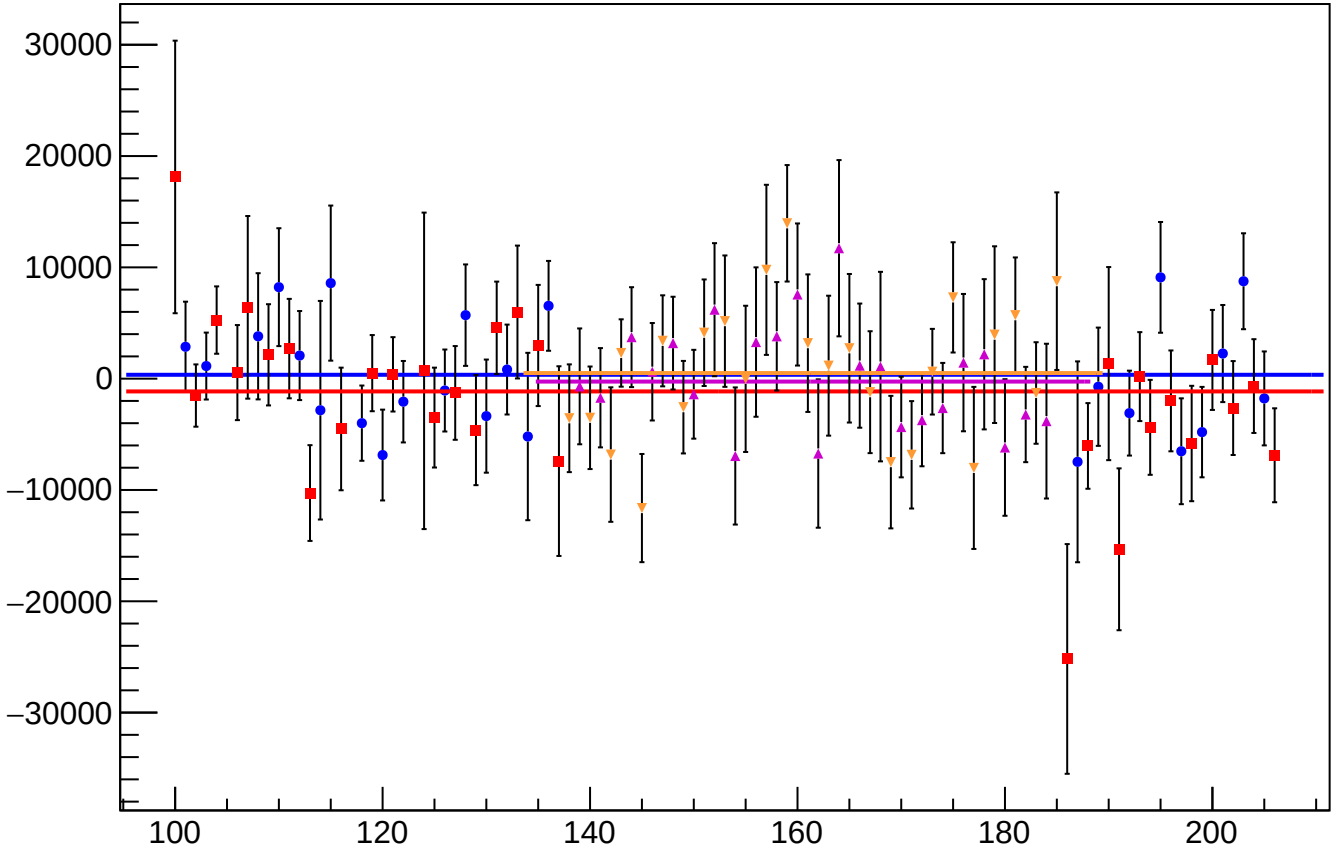
Left In: 1905.628+/-0.315 χ^2/NDF:52781.7/22

+ sign 1824.082+/-0.225 χ^2/NDF: 1007220.1/49

All: 1830.942+/-0.158 χ^2/NDF: 1723430.4/10

- sign 1837.666+/-0.222 χ^2/NDF: 714364.6/53

asym_atr1l2_dd_dit_correction_mean vs Slug



Right In: 348.866+/-884.157 χ^2/NDF: 27.6/24

Left Out: 504.261+/-1021.684 χ^2/NDF:30.1/24

Right Out: -1146.343+/-819.187 χ^2/NDF: 34.6/30

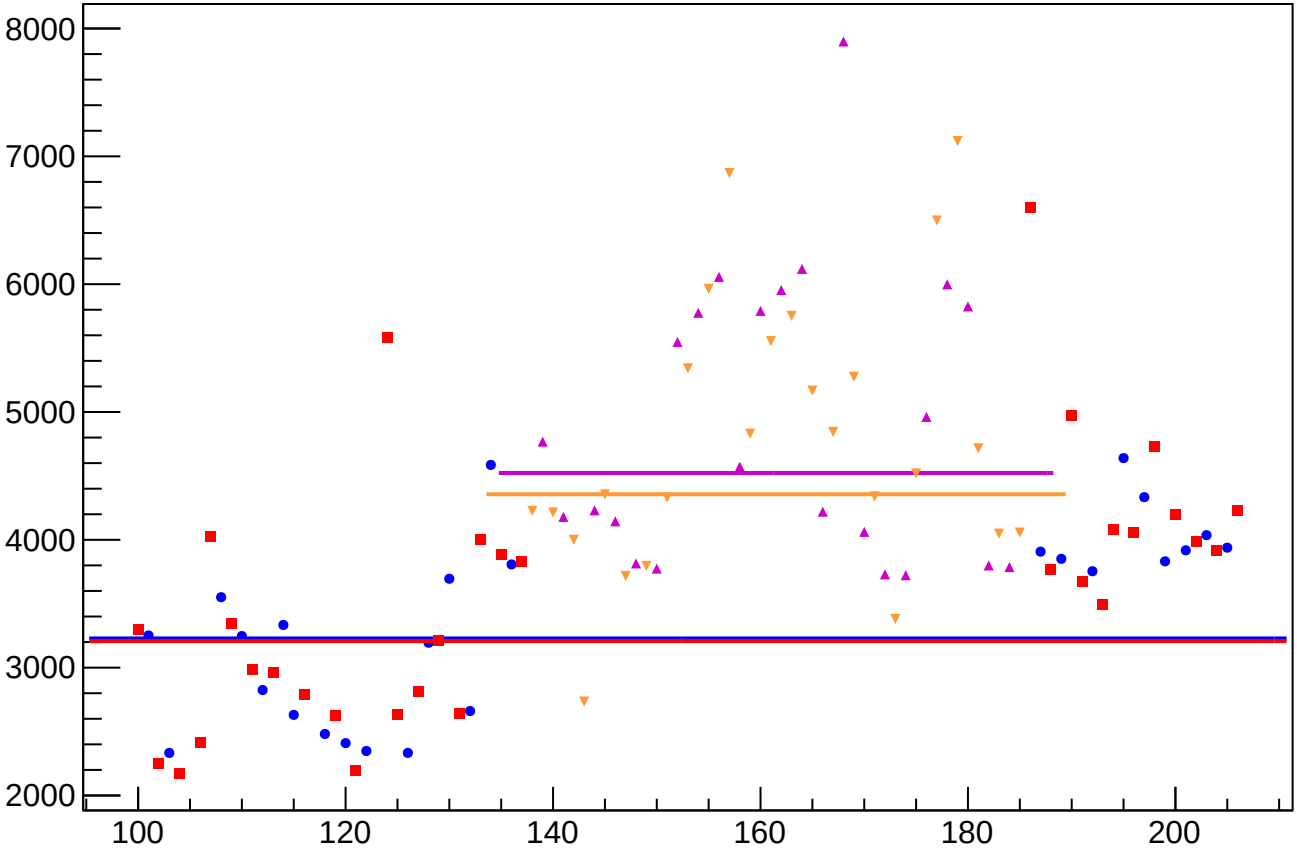
Left In: -261.050+/-1081.402 χ^2/NDF:13.6/22

+ sign 415.409+/-668.569 χ^2/NDF: 57.6/49

All: -218.683+/-467.142 χ^2/NDF: 108.1/103

- sign -823.555+/-652.984 χ^2/NDF: 48.7/53

asym_atr1l2_dd_dit_correction_rms vs Slug



Right In: 3228.452+/-0.625 χ^2/NDF: 1361204.6/24

Left Out: 4356.643+/-0.722 χ^2/NDF:1912322.9/24

Right Out: 3207.735+/-0.579 χ^2/NDF: 2071805.0/30

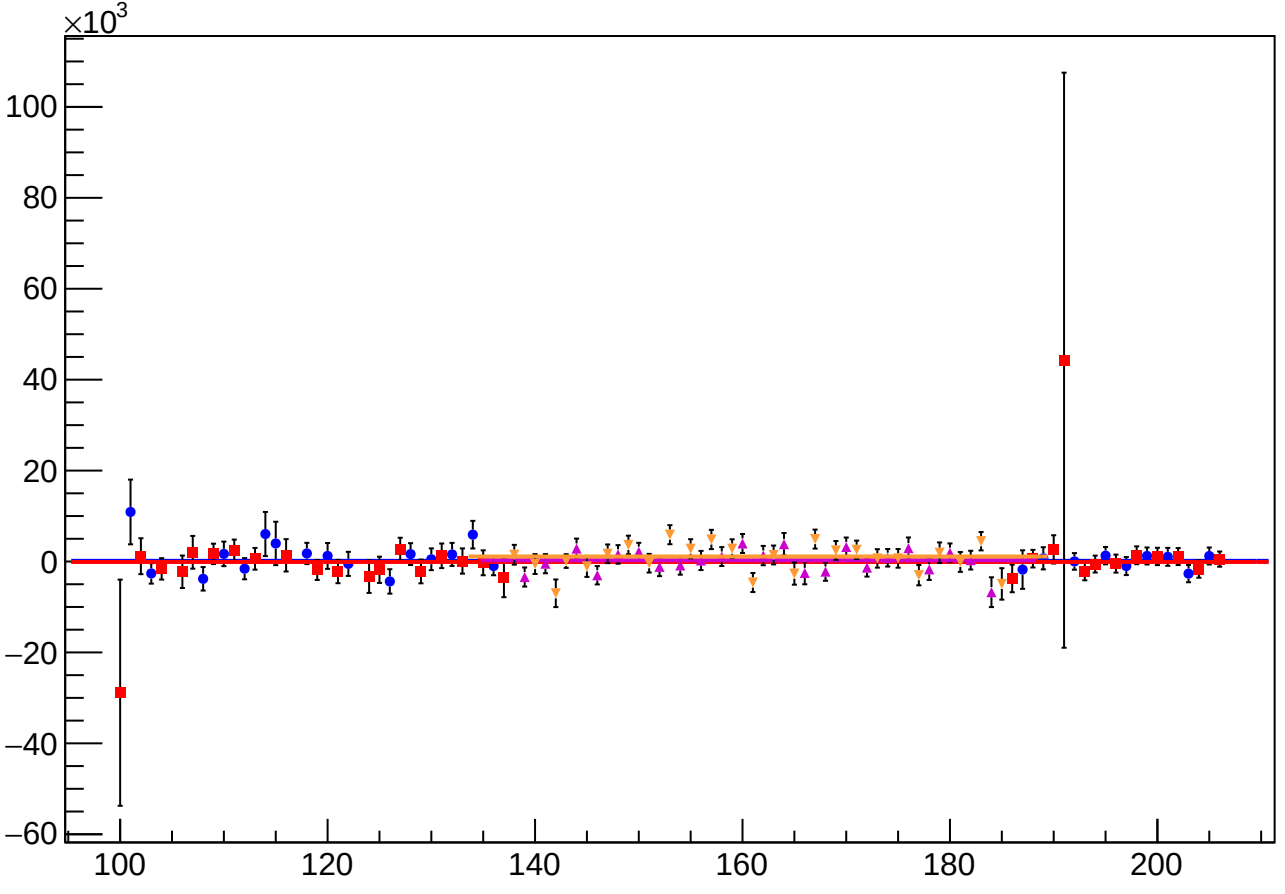
Left In: 4522.787+/-0.765 χ^2/NDF:1434008.9/22

+ sign 3711.559+/-0.473 χ^2/NDF: 4667956.0/49

All: 3699.101+/-0.330 χ^2/NDF: 10054360.3/1

- sign 3687.218+/-0.462 χ^2/NDF: 5385047.6/53

eigen_dit_asym_atr1l2_dd_mean vs Slug



Right In: 144.723+/-478.093 χ^2/NDF: 21.3/24

Left Out: 1103.310+/-425.321 χ^2/NDF:44.8/24

Right Out: -99.797+/-445.014 χ^2/NDF: 15.8/30

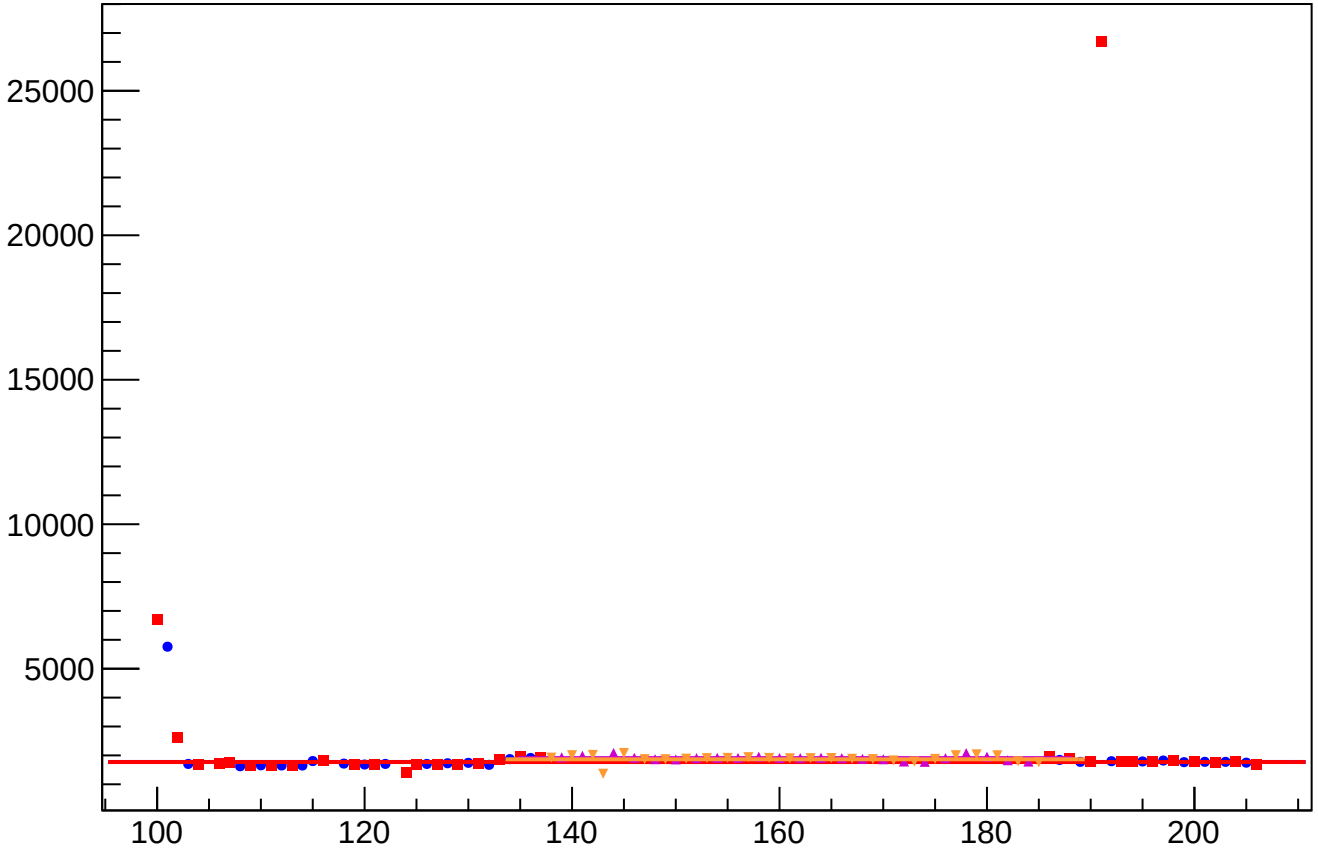
Left In: 264.609+/-445.354 χ^2/NDF:27.7/22

+ sign 679.822+/-317.773 χ^2/NDF: 68.3/49

All: 378.229+/-223.638 χ^2/NDF: 113.9/103

- sign 82.267+/-314.793 χ^2/NDF: 43.8/53

eigen_dit_asym_atr1l2_dd_rms vs Slug



Right In: 1772.581+/-0.338 χ^2/NDF: 670933.0/24

Left Out: 1864.842+/-0.301 χ^2/NDF:294715.4/24

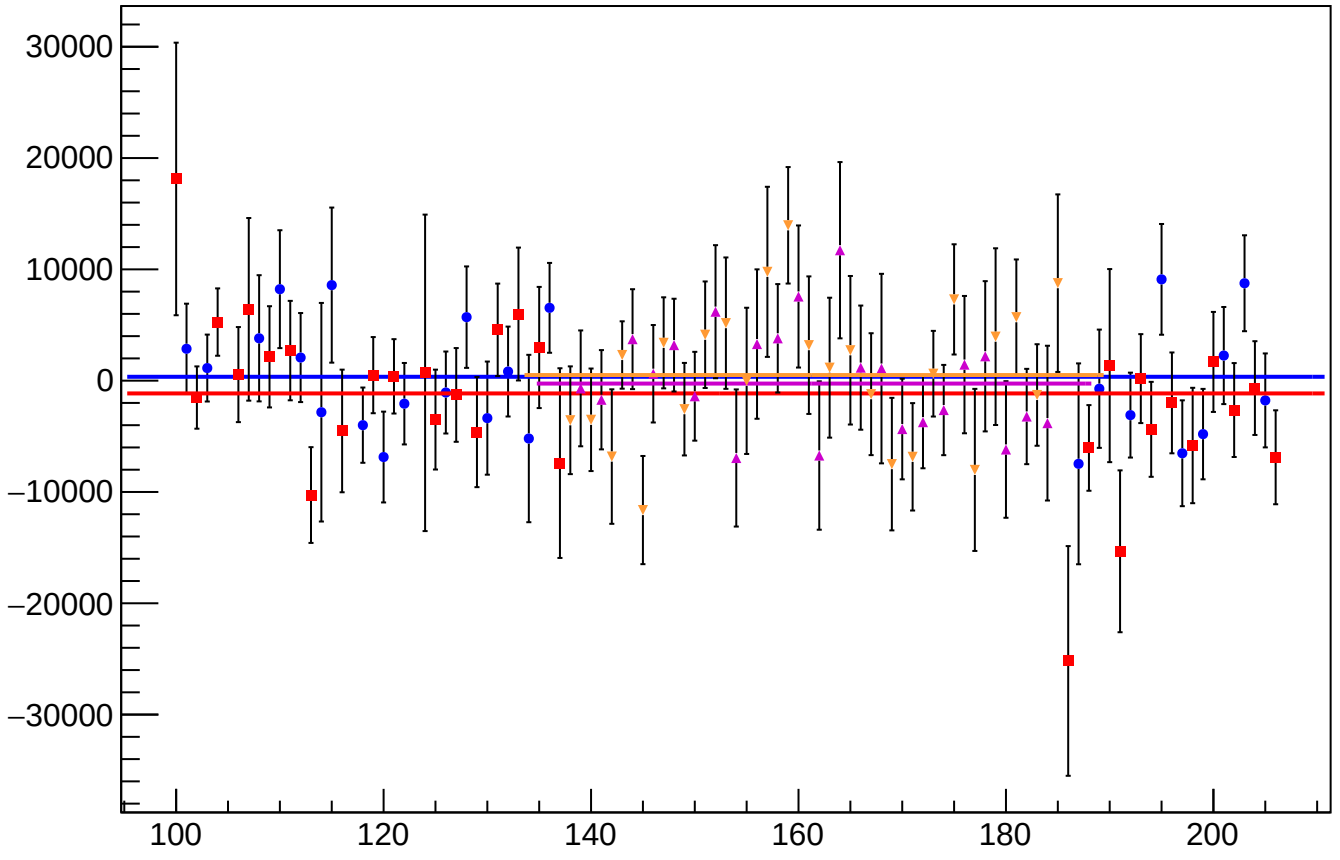
Right Out: 1769.988+/-0.314 χ^2/NDF: 568628.0/30

Left In: 1905.629+/-0.315 χ^2/NDF:52783.9/22

+ sign 1824.082+/-0.225 χ^2/NDF: 1007224.3/49

All: 1830.943+/-0.158 χ^2/NDF: 1723438.2/10

- sign 1837.666+/-0.222 χ^2/NDF: 714368.2/53



Right In: 348.862+/-884.156 χ^2/NDF: 27.6/24

Left Out: 504.265+/-1021.686 χ^2/NDF:30.1/24

Right Out: -1146.338+/-819.186 χ^2/NDF: 34.6/30

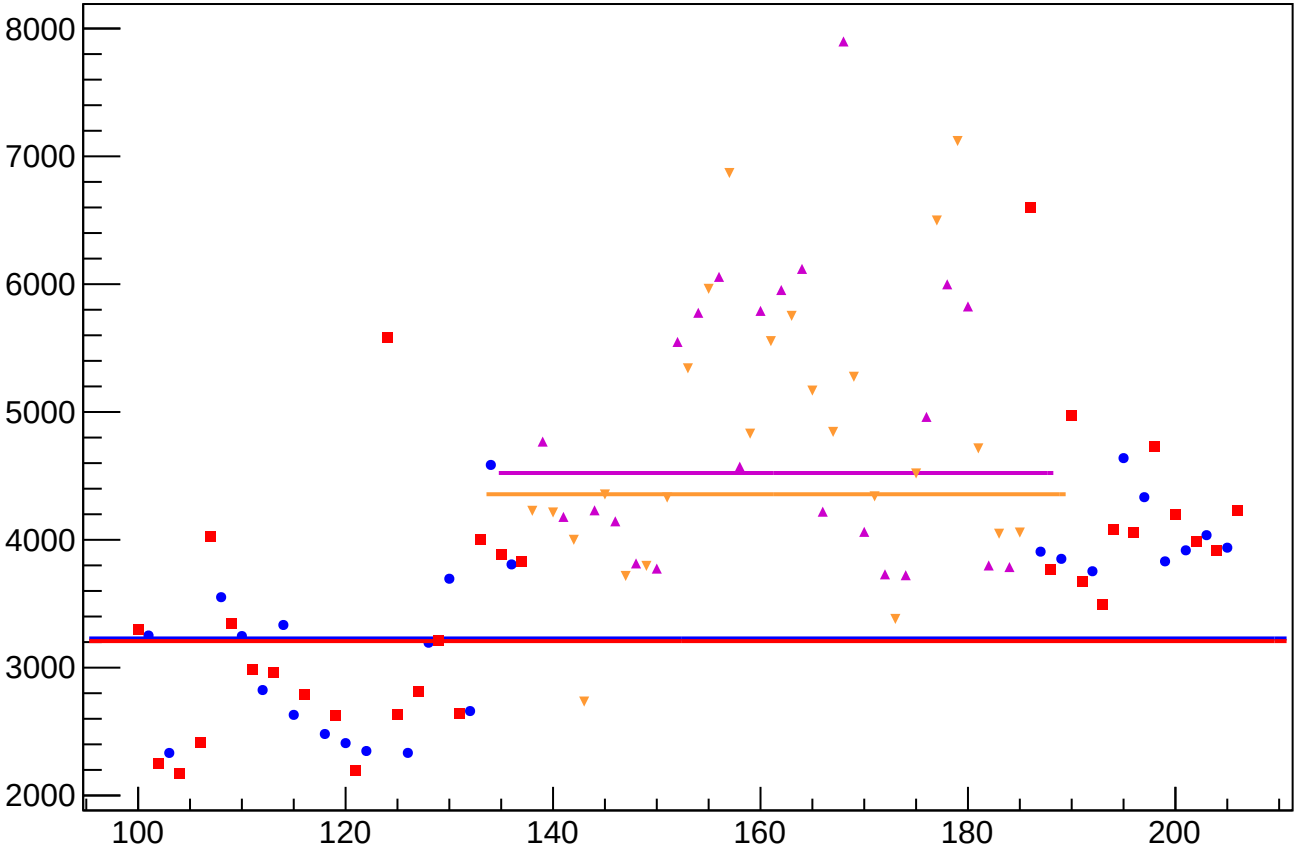
Left In: -261.051+/-1081.404 χ^2/NDF:13.6/22

+ sign 415.407+/-668.569 χ^2/NDF: 57.6/49

All: -218.682+/-467.142 χ^2/NDF: 108.1/103

- sign -823.553+/-652.984 χ^2/NDF: 48.7/53

asym_atr1l2_dd_eigen_dit_correction_rms vs Slug



Right In: 3228.447+/-0.625 χ^2/NDF: 1361227.9/24

Left Out: 4356.650+/-0.722 χ^2/NDF:1912327.4/24

Right Out: 3207.732+/-0.579 χ^2/NDF: 2071821.5/30

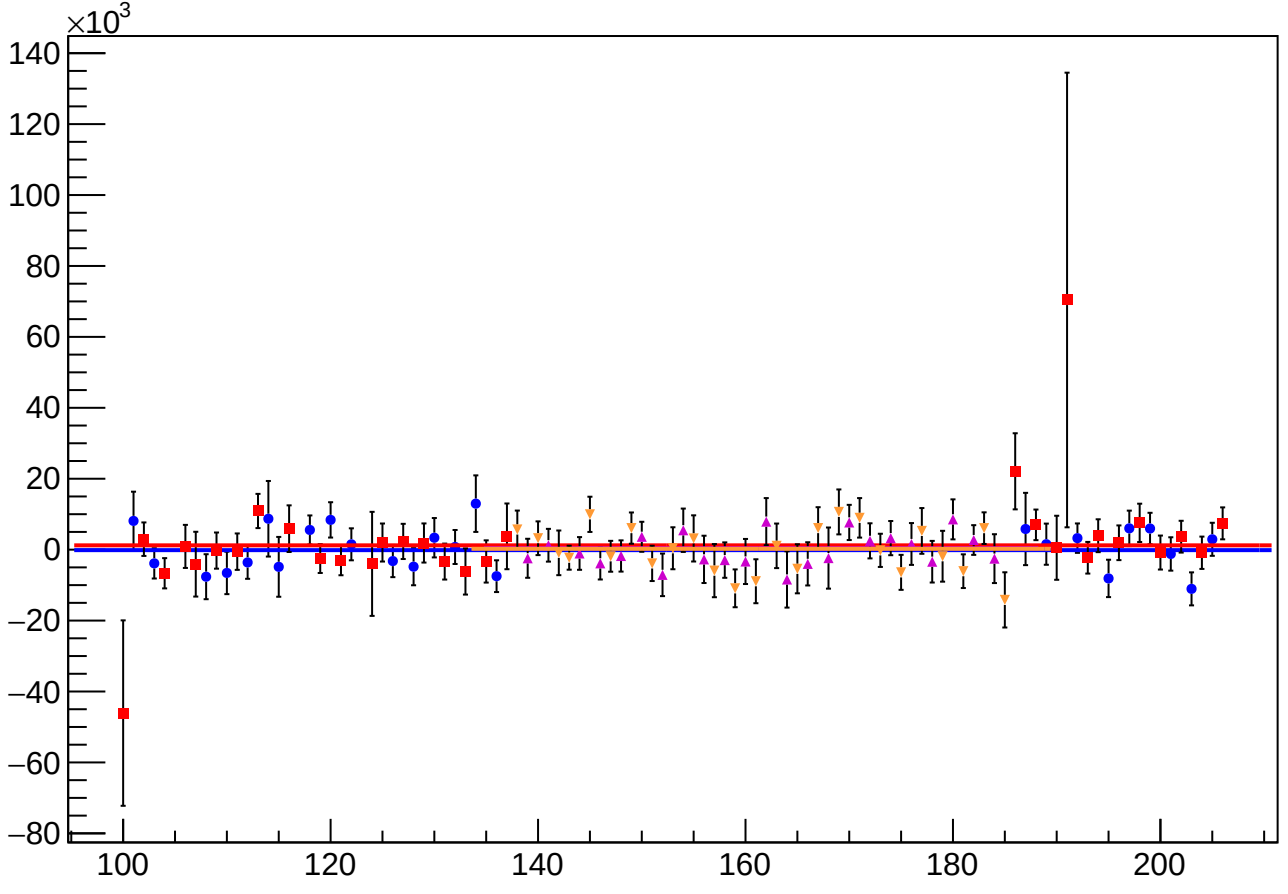
Left In: 4522.795+/-0.765 χ^2/NDF:1434009.9/22

+ sign 3711.557+/-0.473 χ^2/NDF: 4668012.3/49

All: 3699.100+/-0.330 χ^2/NDF: 10054462.4/1

- sign 3687.218+/-0.462 χ^2/NDF: 5385093.5/53

asym_atr1l2_dd_mean vs Slug



Right In: -137.244+/-1037.184 χ^2/NDF: 30.7/24

Left Out: 239.929+/-1064.647 χ^2/NDF:32.2/24

Right Out: 1215.486+/-974.581 χ^2/NDF: 28.4/30

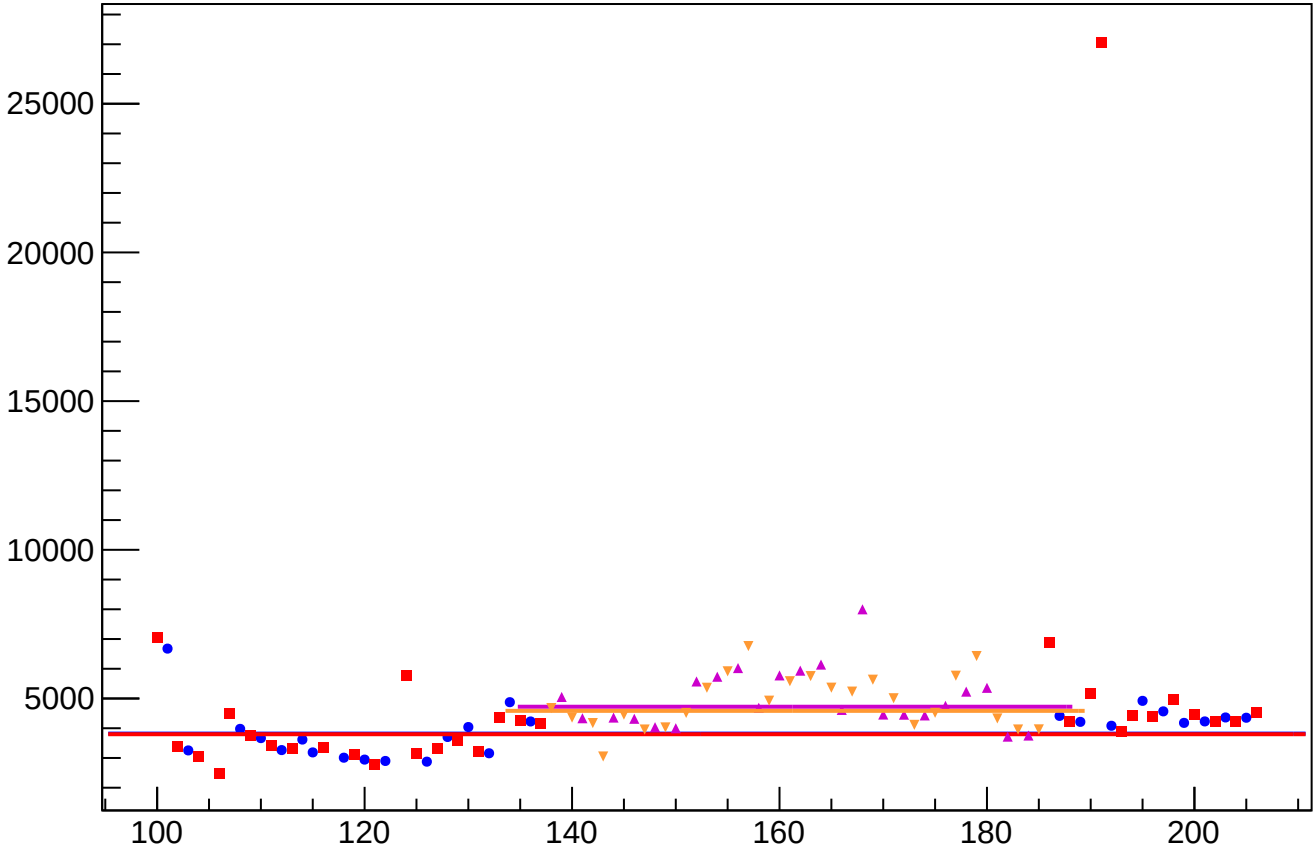
Left In: 397.881+/-1121.323 χ^2/NDF:14.2/22

+ sign 46.415+/-742.919 χ^2/NDF: 63.0/49

All: 459.088+/-522.709 χ^2/NDF: 106.5/103

- sign 863.648+/-735.581 χ^2/NDF: 42.9/53

asym_atr1l2_dd_rms vs Slug



Right In: 3819.197+/-0.733 χ^2/NDF: 960152.7/24

Left Out: 4584.664+/-0.753 χ^2/NDF:1311720.7/24

Right Out: 3798.835+/-0.683 χ^2/NDF: 1415241.8/30

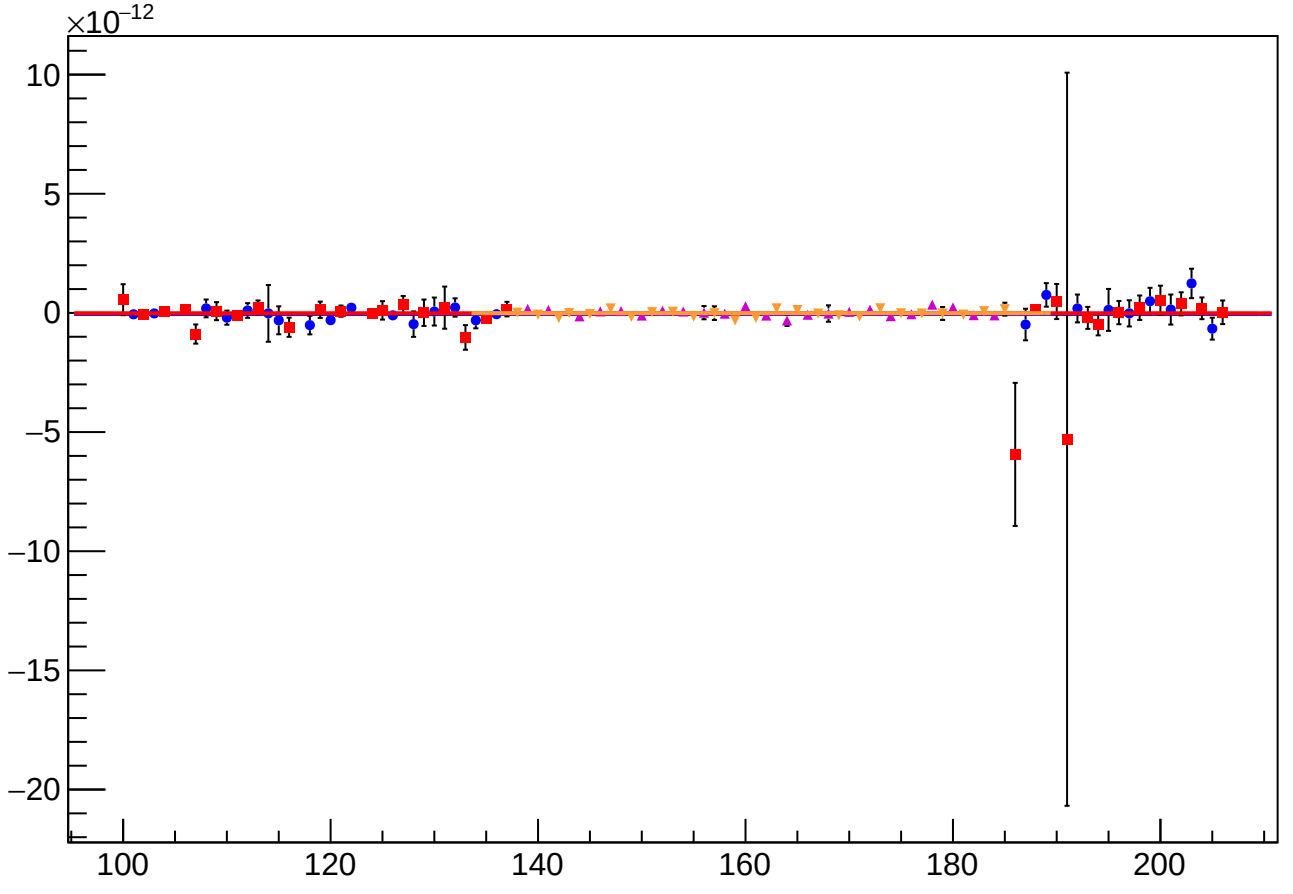
Left In: 4723.014+/-0.793 χ^2/NDF:1016613.0/22

+ sign 4191.930+/-0.525 χ^2/NDF: 2802322.3/49

All: 4192.374+/-0.369 χ^2/NDF: 6013600.4/10

- sign 4192.805+/-0.518 χ^2/NDF: 3211276.7/53

asym_atr1l2_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 19.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.8/24

Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/30

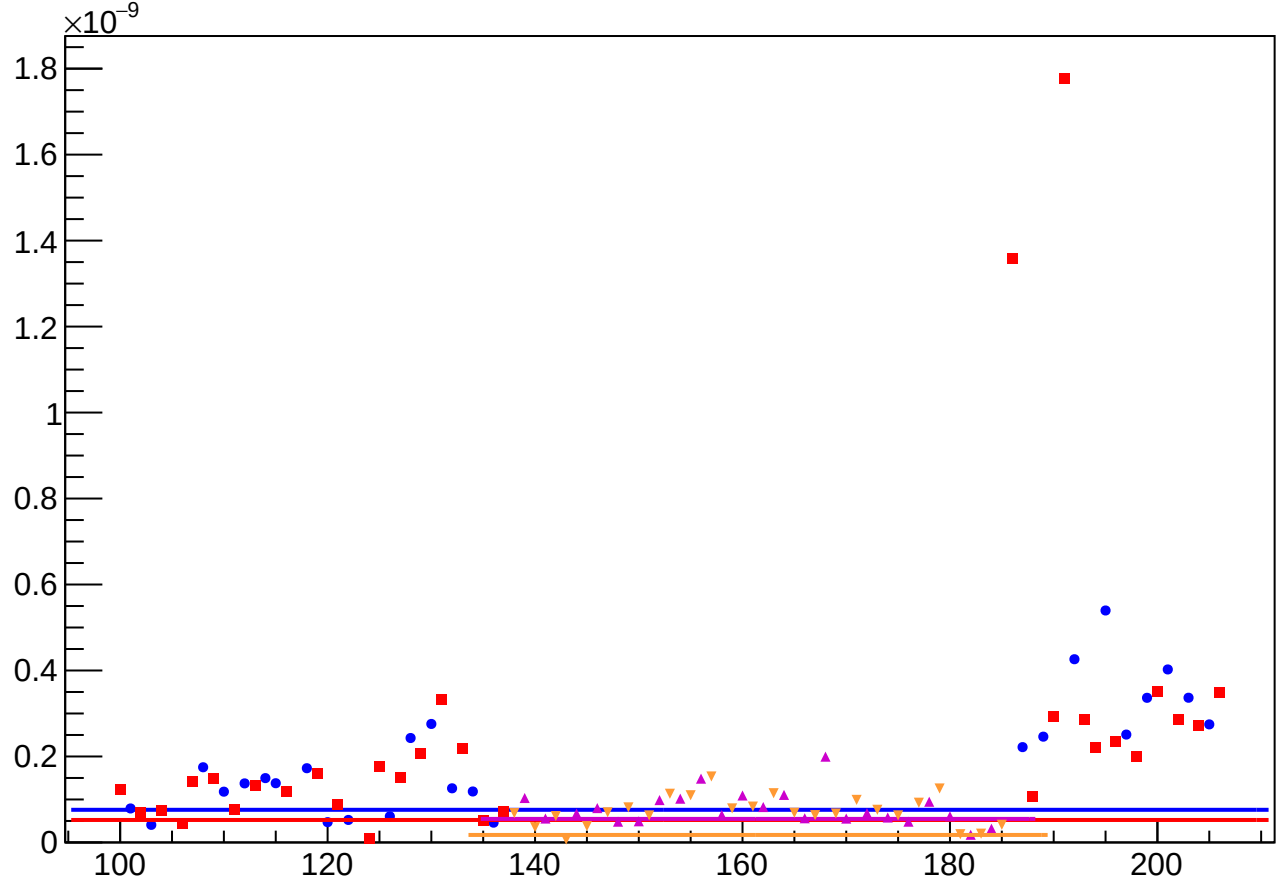
Left In: -0.000+/-0.000 χ^2/NDF:26.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.3/49

All: -0.000+/-0.000 χ^2/NDF: 95.1/103

- sign -0.000+/-0.000 χ^2/NDF: 52.8/53

asym_atr1l2_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5104507.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:8870606.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7495093.8/30

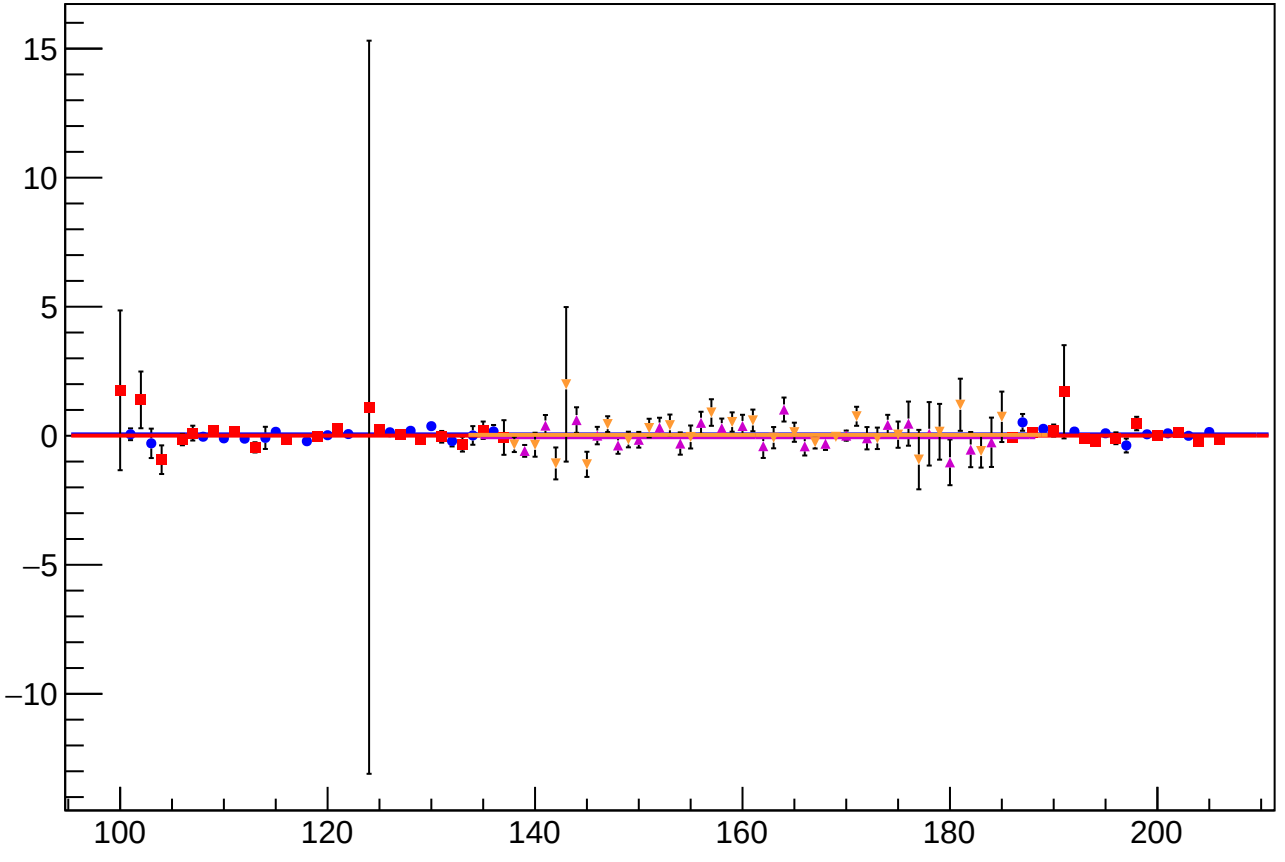
Left In: 0.000+/-0.000 χ^2/NDF:2798764.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 17385980.5/49

All: 0.000+/-0.000 χ^2/NDF: 31935892.7/103

- sign 0.000+/-0.000 χ^2/NDF: 10300908.3/53

asym_atr1l2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.006+/-0.032 χ^2/NDF: 35.7/30

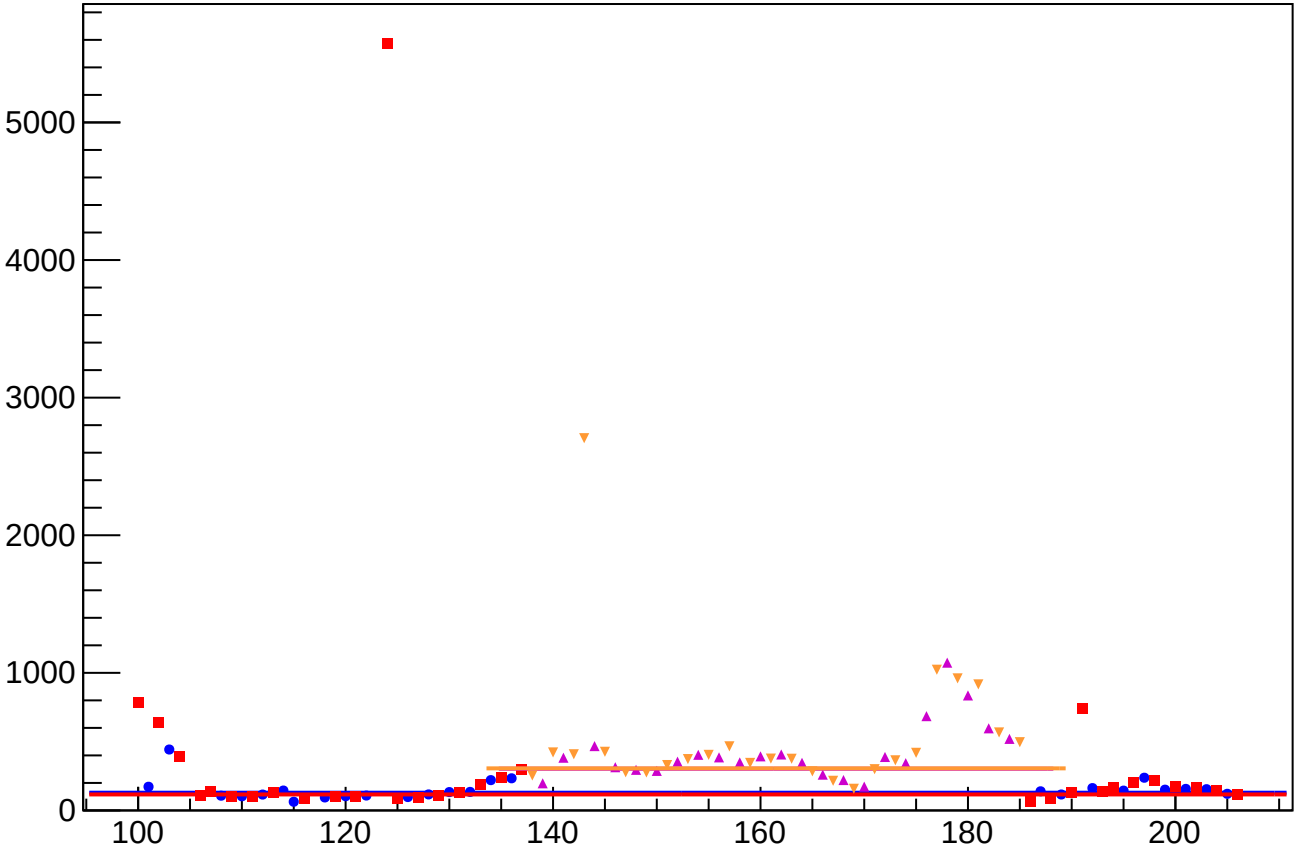
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.050+/-0.033 χ^2/NDF: 50.3/49

All: 0.020+/-0.022 χ^2/NDF: 113.9/103

- sign -0.003+/-0.030 χ^2/NDF: 62.3/53

asym_atr1l2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 129.010+/-0.026 χ^2/NDF: 2398584.1/24

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

Right Out: 116.424+/-0.023 χ^2/NDF: 4364449.0/30

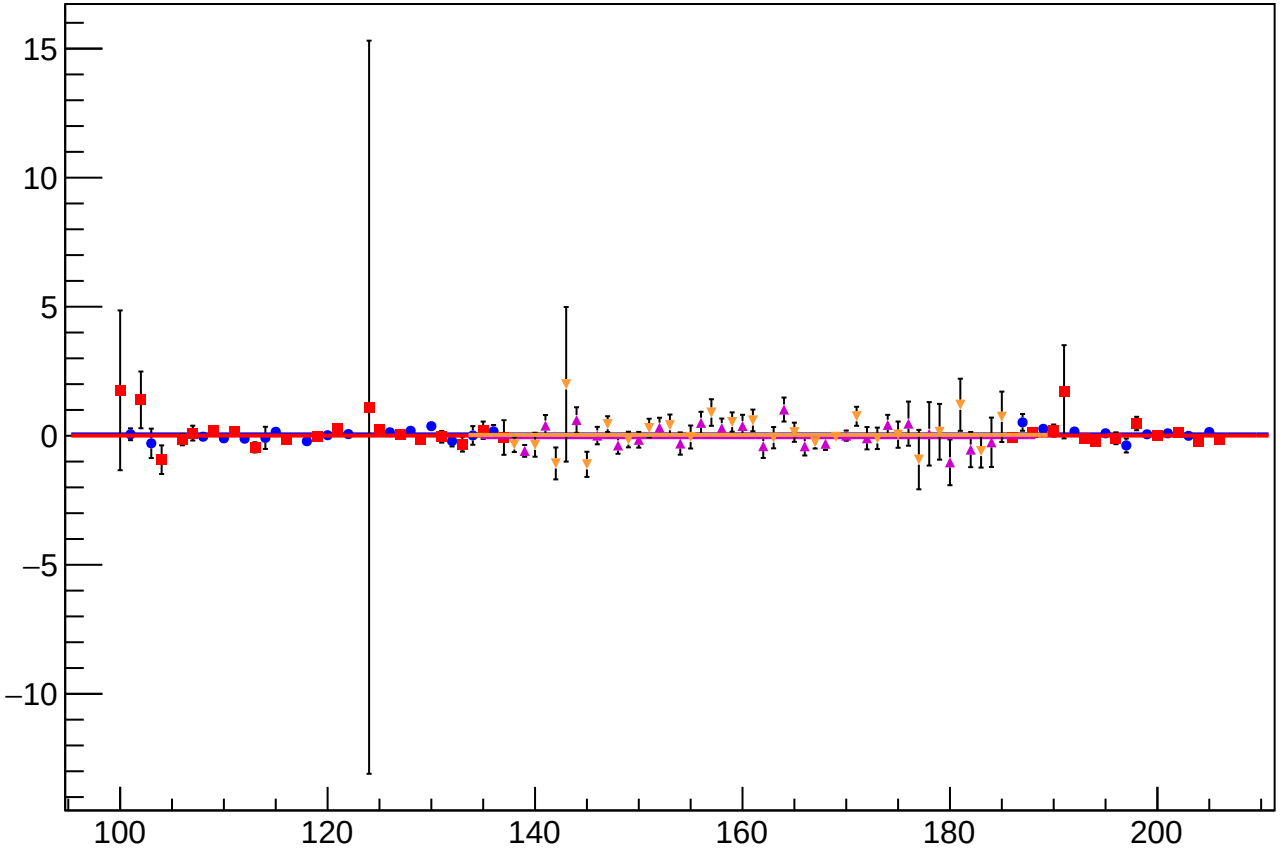
Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 161.645+/-0.024 χ^2/NDF: 17440681.6/49

All: 152.097+/-0.016 χ^2/NDF: 36843179.9/10

- sign 144.456+/-0.021 χ^2/NDF: 19109490.7/53

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.006+/-0.032 χ^2/NDF: 35.7/30

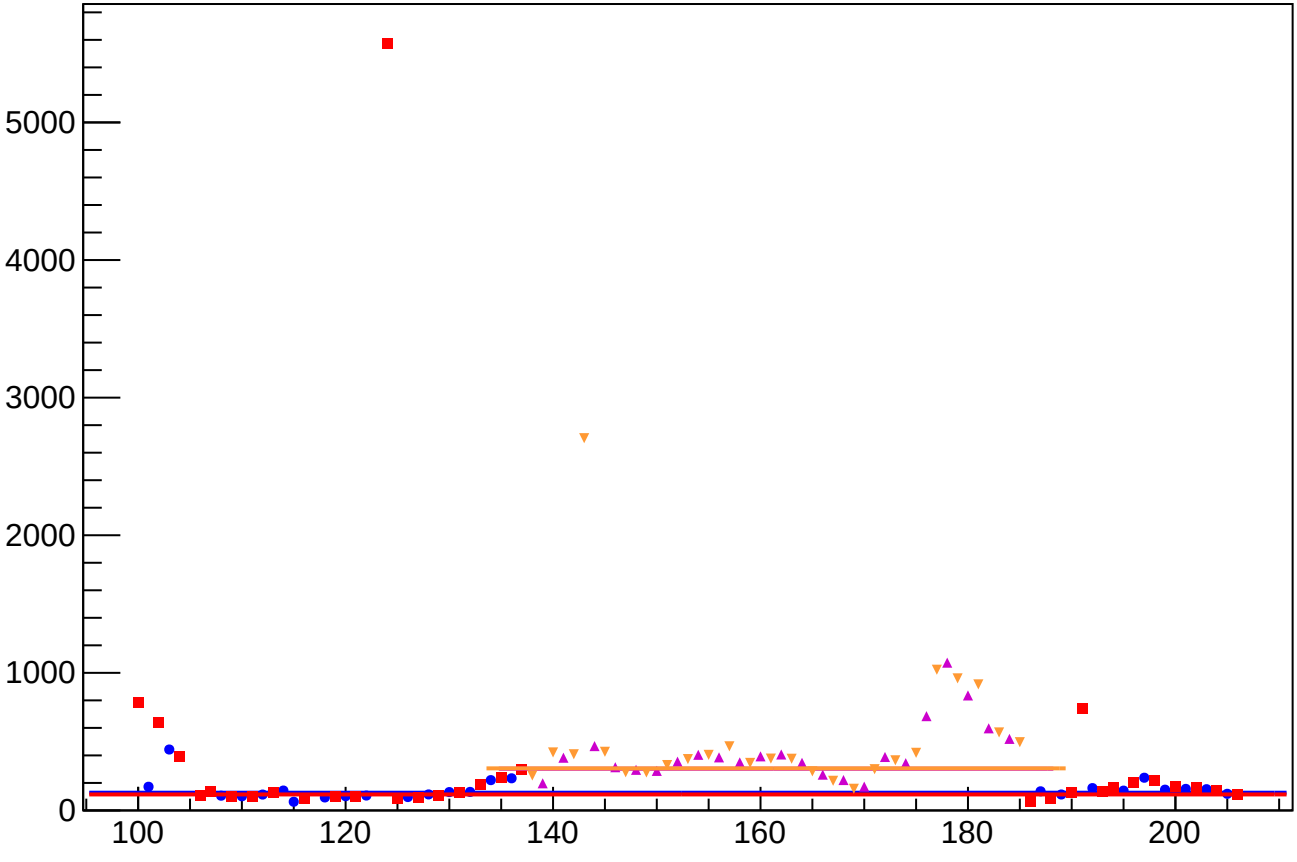
Left In: -0.056+/-0.077 χ^2/NDF:26.1/22

+ sign 0.050+/-0.033 χ^2/NDF: 50.3/49

All: 0.020+/-0.022 χ^2/NDF: 113.9/103

- sign -0.003+/-0.030 χ^2/NDF: 62.3/53

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 129.010+/-0.026 χ^2/NDF: 2398584.1/24

Left Out: 305.950+/-0.055 χ^2/NDF:6634928.0/24

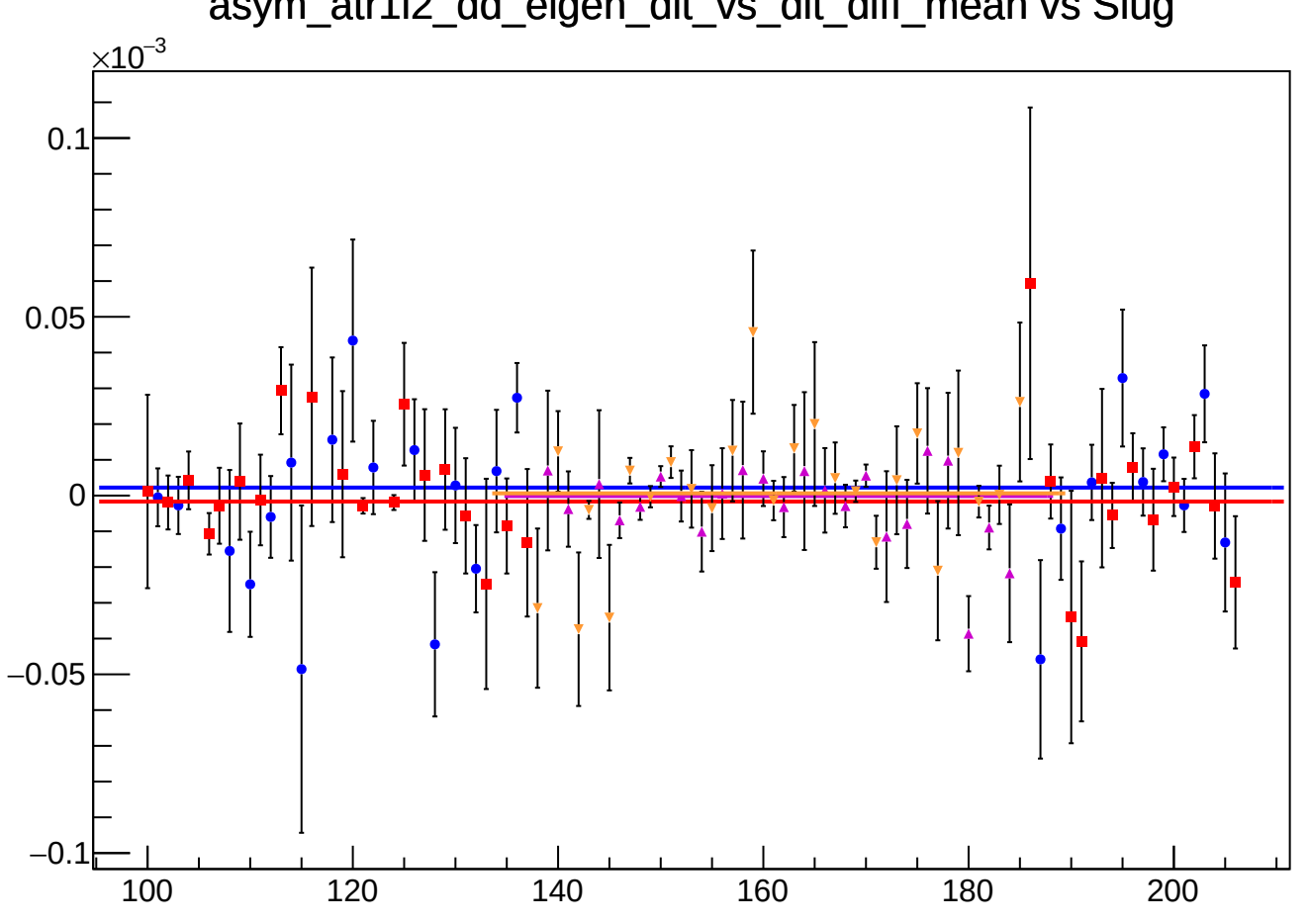
Right Out: 116.424+/-0.023 χ^2/NDF: 4364449.0/30

Left In: 303.278+/-0.055 χ^2/NDF:4813442.3/22

+ sign 161.645+/-0.024 χ^2/NDF: 17440681.6/49

All: 152.097+/-0.016 χ^2/NDF: 36843179.9/10

- sign 144.456+/-0.021 χ^2/NDF: 19109490.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 37.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.6/24

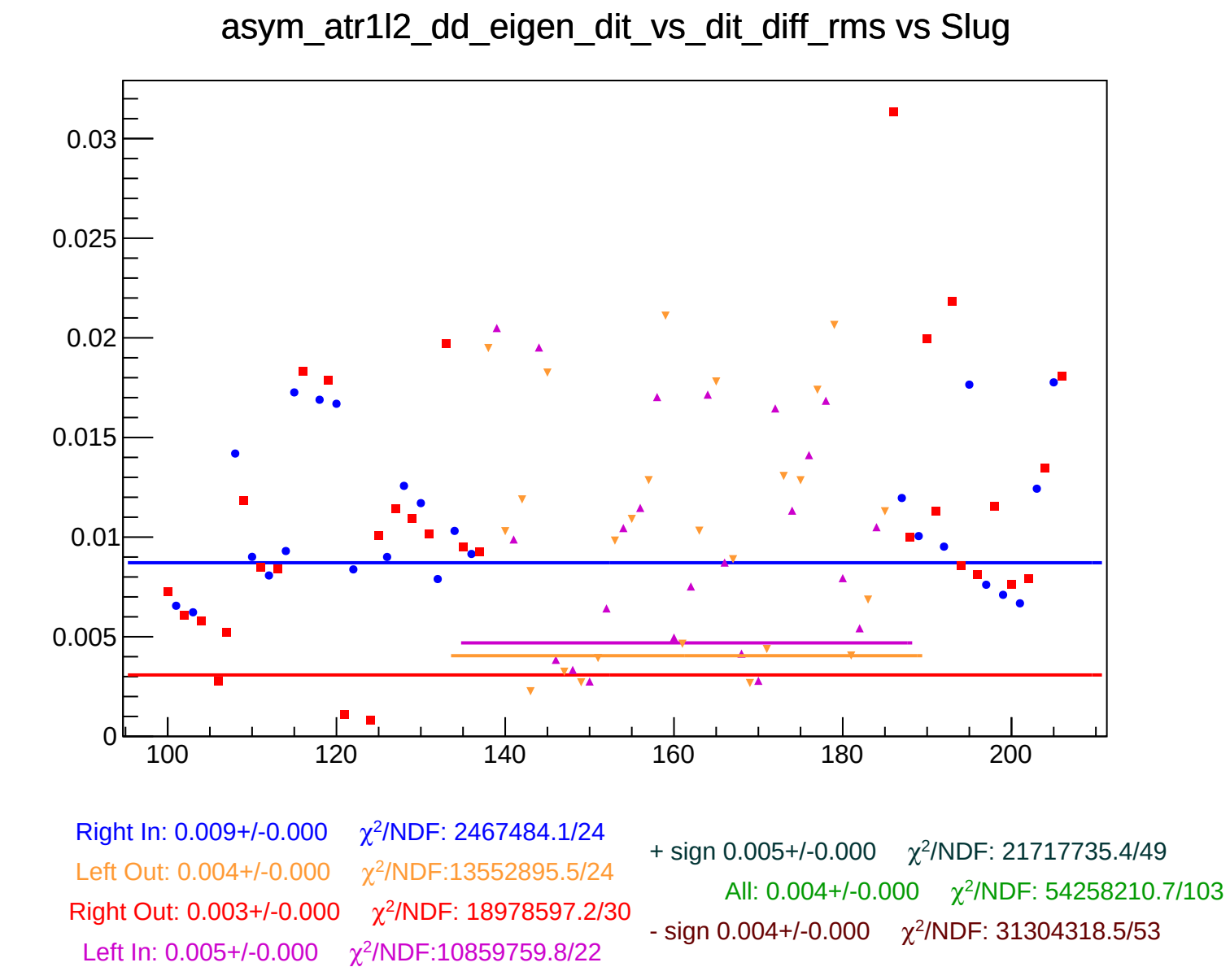
Right Out: -0.000+/-0.000 χ^2/NDF: 26.8/30

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

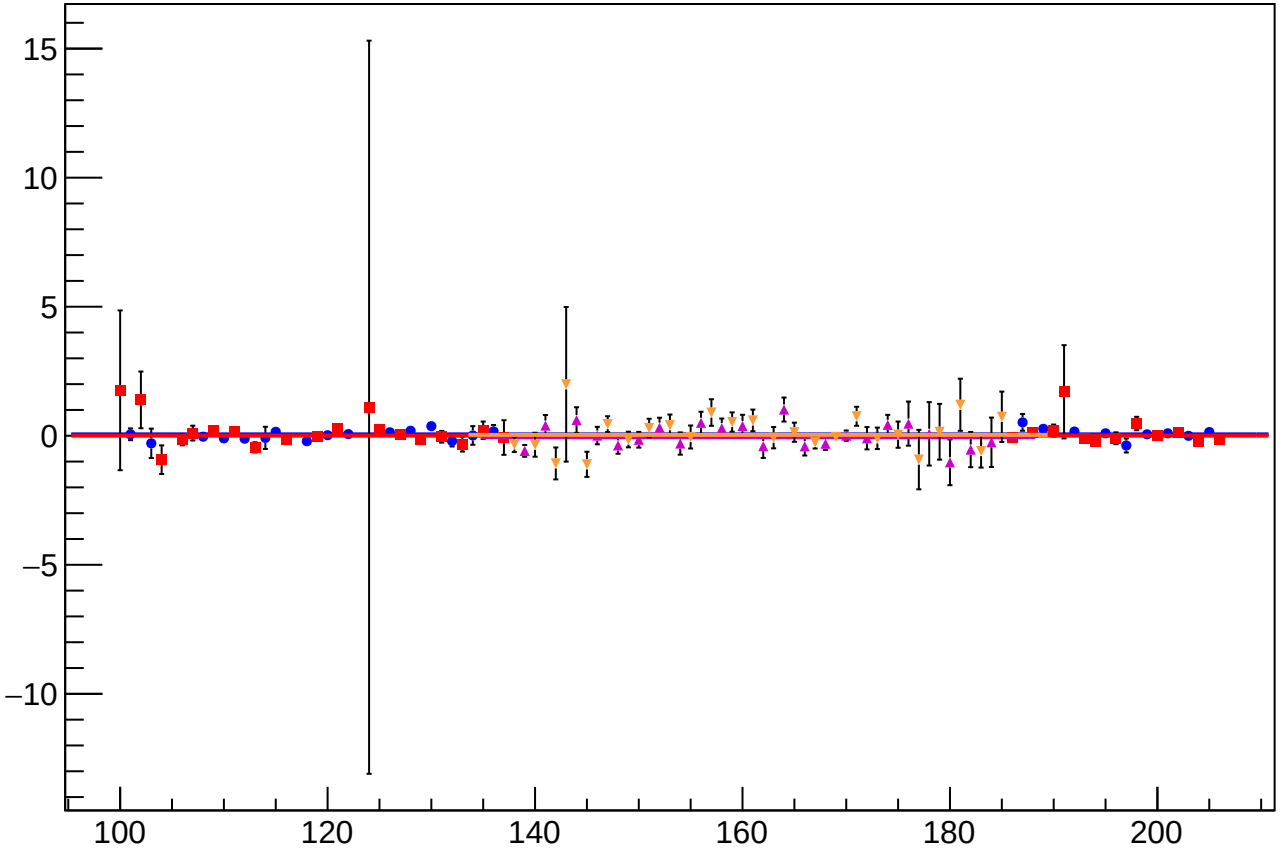
+ sign 0.000+/-0.000 χ^2/NDF: 72.0/49

All: -0.000+/-0.000 χ^2/NDF: 131.0/103

- sign -0.000+/-0.000 χ^2/NDF: 57.2/53


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
Right In: 0.009+/-0.000 χ²/NDF: 2467484.1/24
Left Out: 0.004+/-0.000 χ²/NDF:13552895.5/24
Right Out: 0.003+/-0.000 χ²/NDF: 18978597.2/30
Left In: 0.005+/-0.000 χ²/NDF:10859759.8/22
+ sign 0.005+/-0.000 χ²/NDF: 21717735.4/49
All: 0.004+/-0.000 χ²/NDF: 54258210.7/103
- sign 0.004+/-0.000 χ²/NDF: 31304318.5/53

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.006+/-0.032 χ^2/NDF: 35.7/30

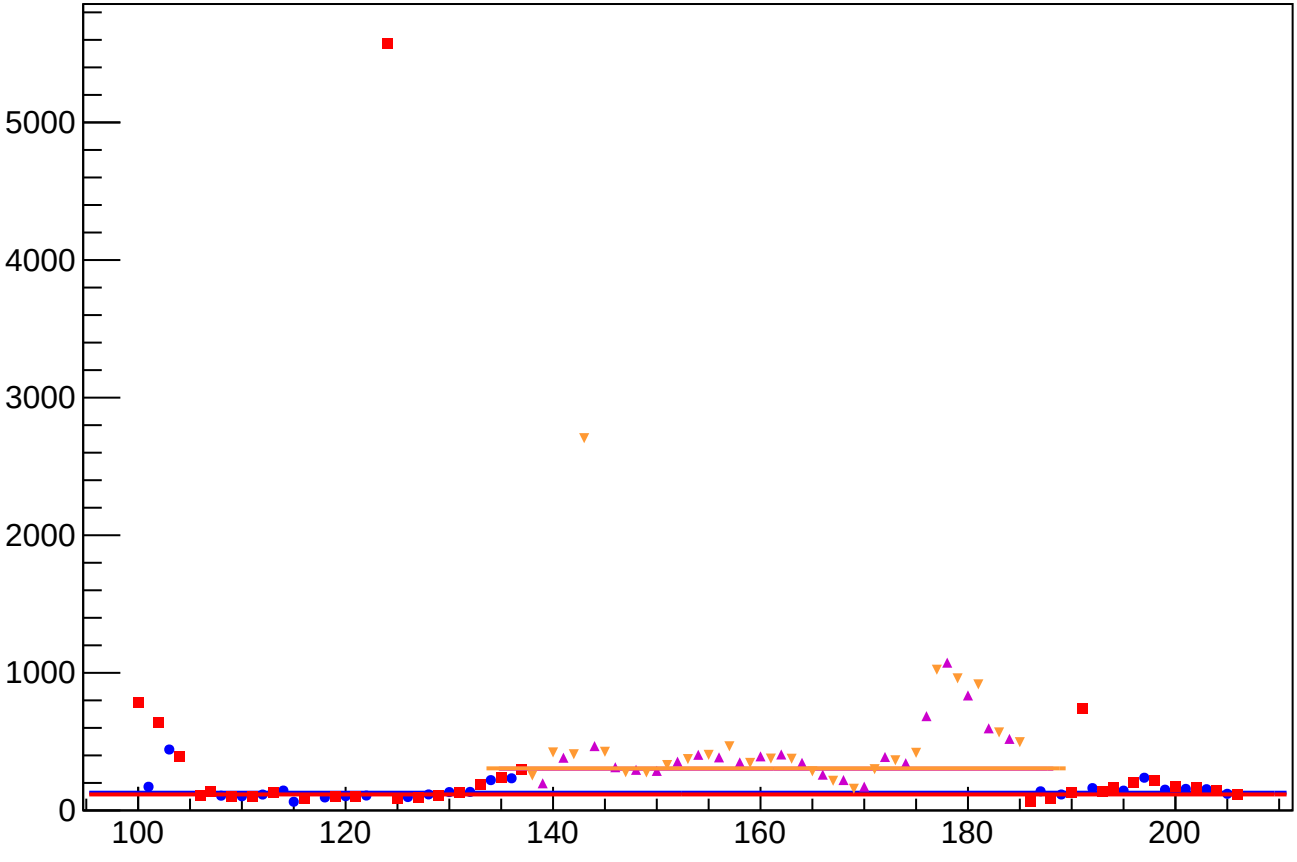
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.050+/-0.033 χ^2/NDF: 50.3/49

All: 0.020+/-0.022 χ^2/NDF: 113.9/103

- sign -0.003+/-0.030 χ^2/NDF: 62.3/53

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 129.010+/-0.026 χ^2/NDF: 2398568.3/24

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

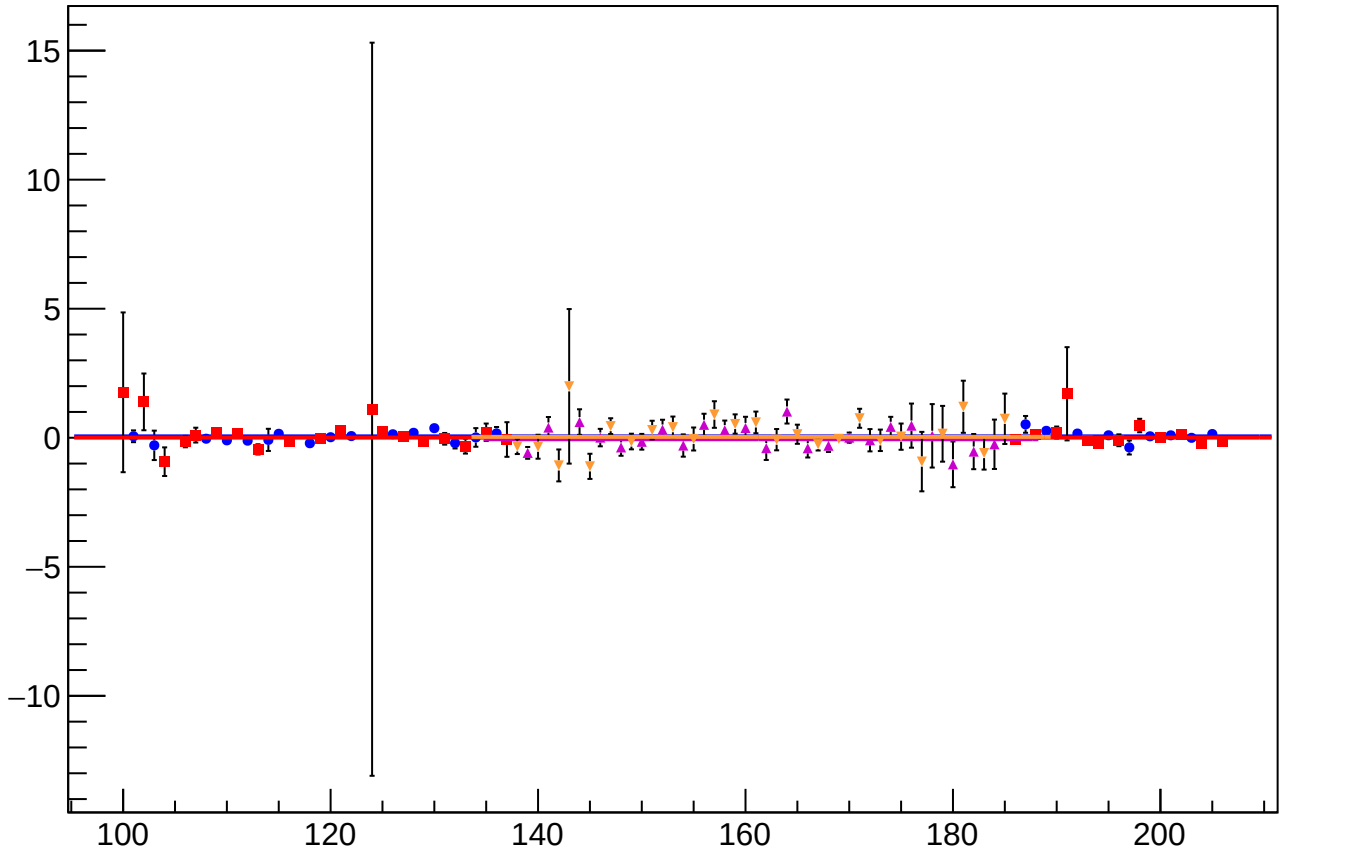
Right Out: 116.425+/-0.023 χ^2/NDF: 4364264.6/30

Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 161.646+/-0.024 χ^2/NDF: 17440754.1/49

All: 152.098+/-0.016 χ^2/NDF: 36843031.7/10

- sign 144.457+/-0.021 χ^2/NDF: 19109297.4/53



Right In: 0.053+/-0.037 χ^2/NDF: 19.8/24

Left Out: 0.034+/-0.078 χ^2/NDF:30.5/24

Right Out: 0.006+/-0.032 χ^2/NDF: 35.7/30

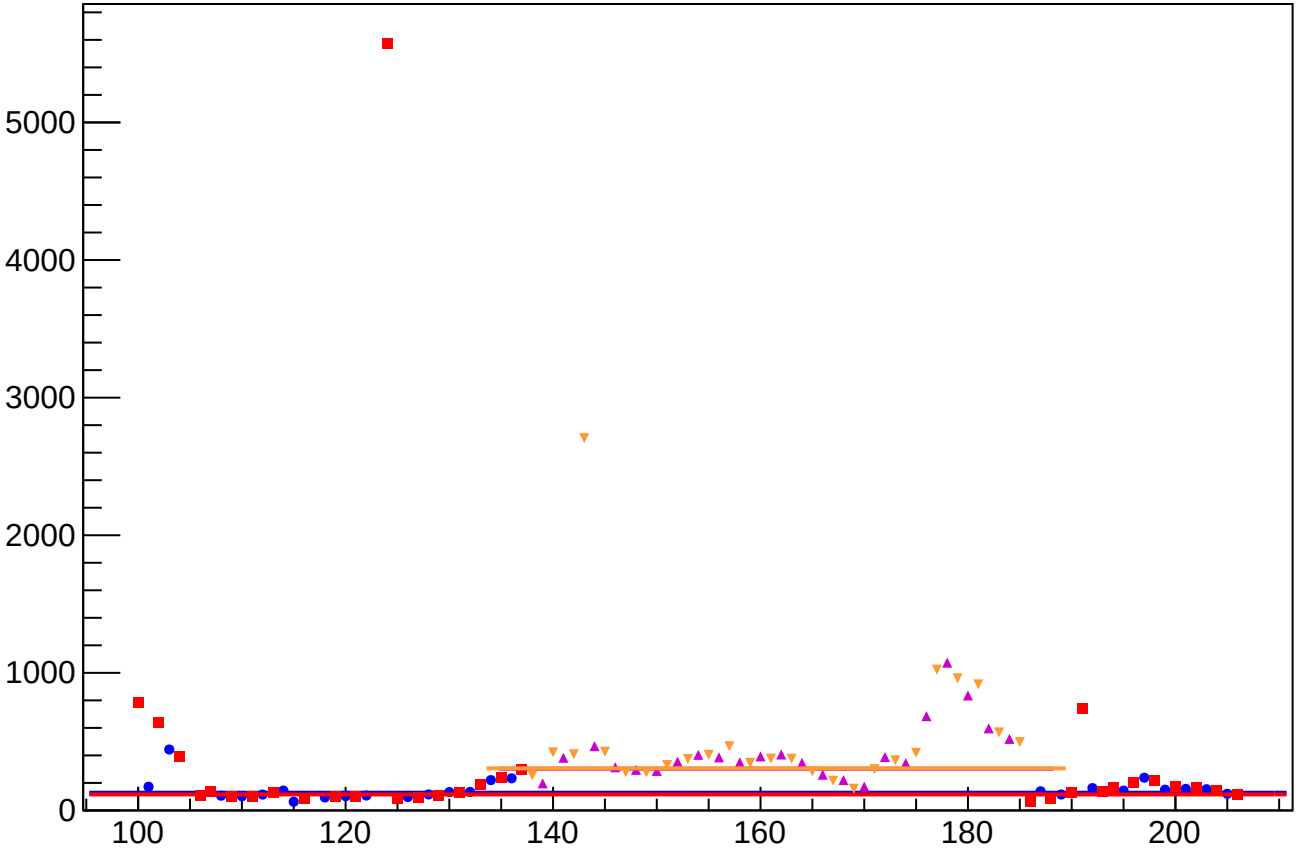
Left In: -0.056+/-0.077 χ^2/NDF:26.0/22

+ sign 0.050+/-0.033 χ^2/NDF: 50.3/49

All: 0.020+/-0.022 χ^2/NDF: 113.9/103

- sign -0.003+/-0.030 χ^2/NDF: 62.3/53

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 129.010+/-0.026 χ^2/NDF: 2398568.3/24

Left Out: 305.951+/-0.055 χ^2/NDF:6634999.6/24

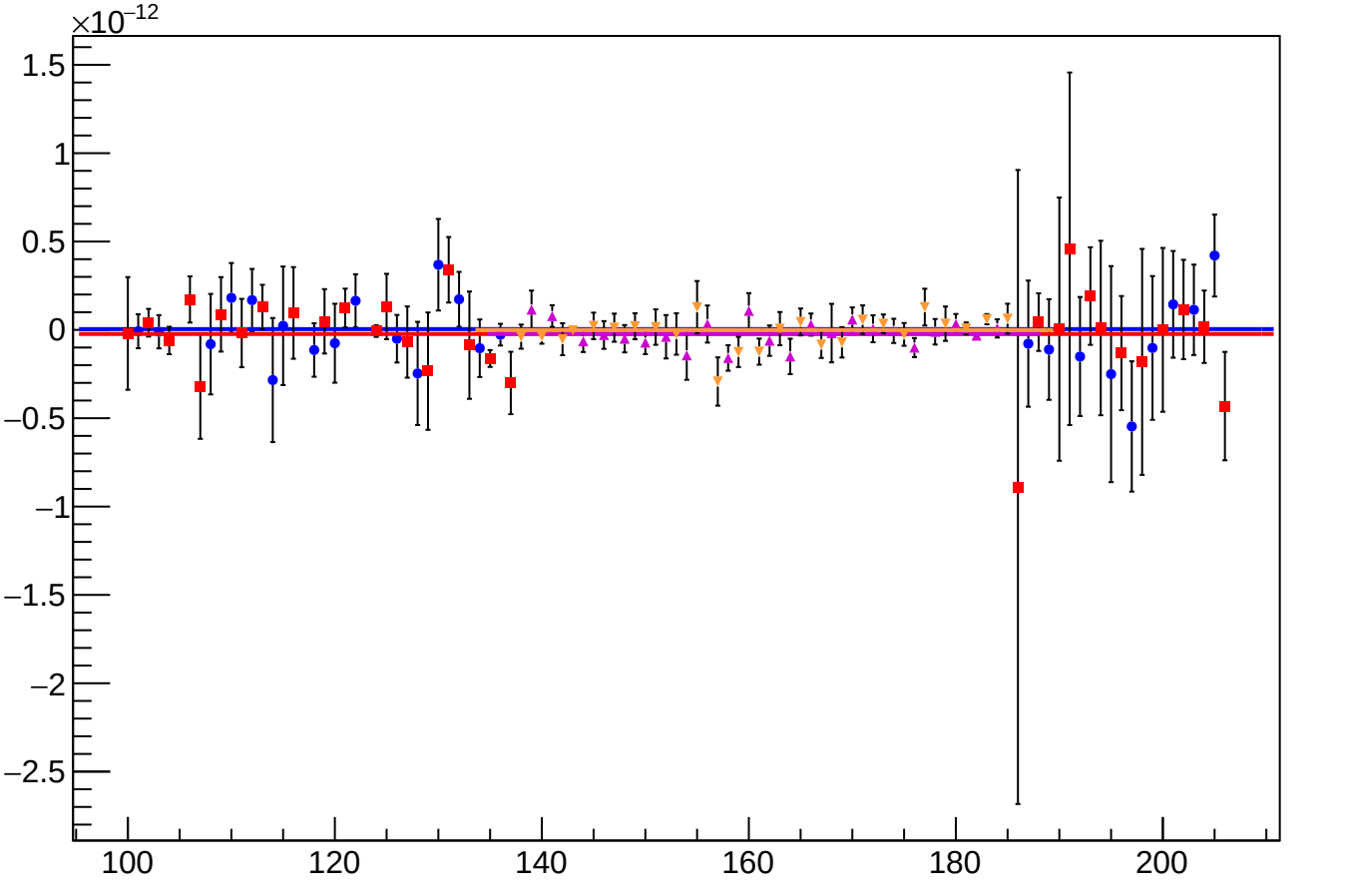
Right Out: 116.425+/-0.023 χ^2/NDF: 4364264.6/30

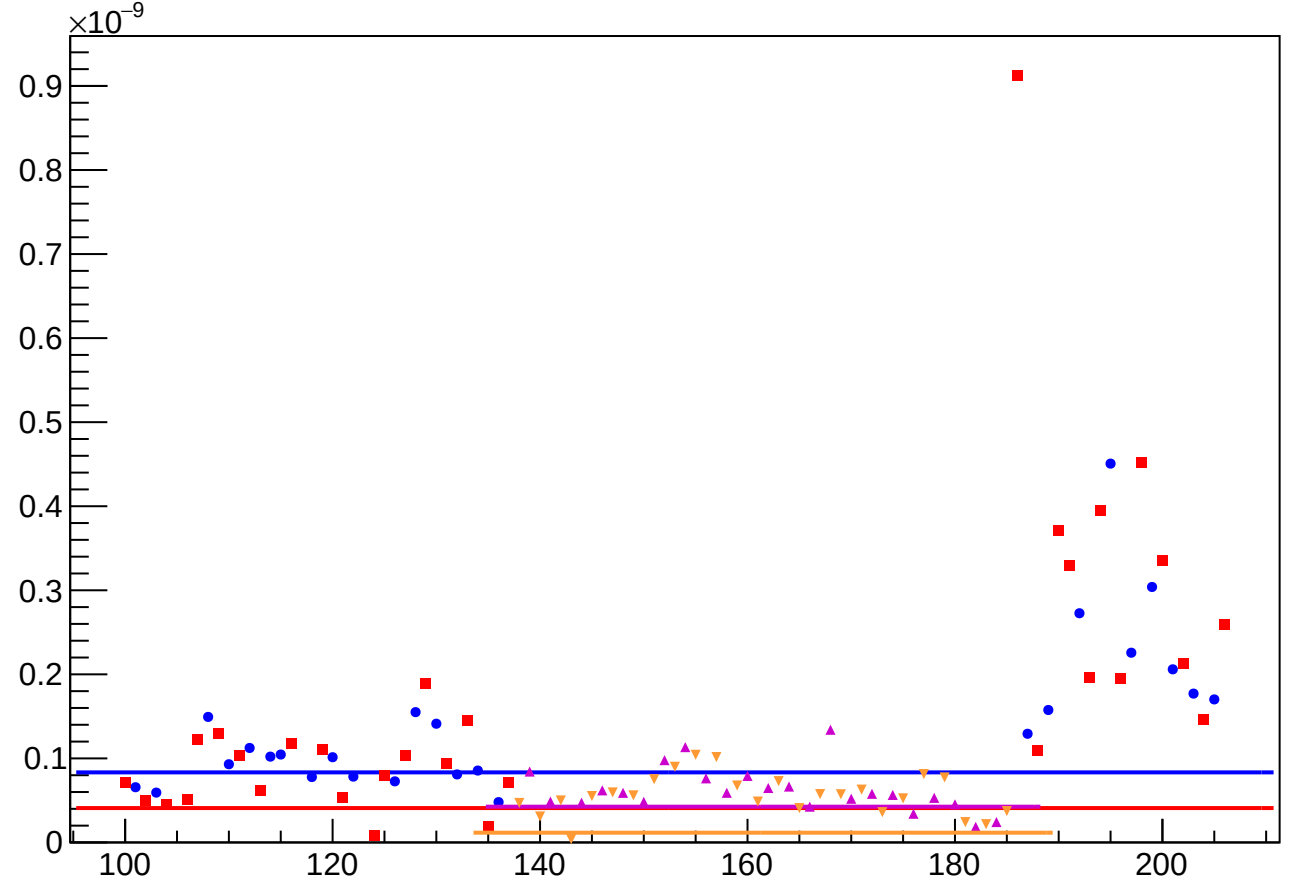
Left In: 303.281+/-0.055 χ^2/NDF:4813426.5/22

+ sign 161.646+/-0.024 χ^2/NDF: 17440754.1/49

All: 152.098+/-0.016 χ^2/NDF: 36843031.7/10

- sign 144.457+/-0.021 χ^2/NDF: 19109297.4/53


asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 15.6/24
Left Out: -0.000+/-0.000 χ²/NDF:22.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 27.7/30
Left In: -0.000+/-0.000 χ²/NDF:19.5/22
+ sign -0.000+/-0.000 χ²/NDF: 37.7/49
All: -0.000+/-0.000 χ²/NDF: 87.9/103
- sign -0.000+/-0.000 χ²/NDF: 47.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 4581375.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:17863822.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12190593.2/30

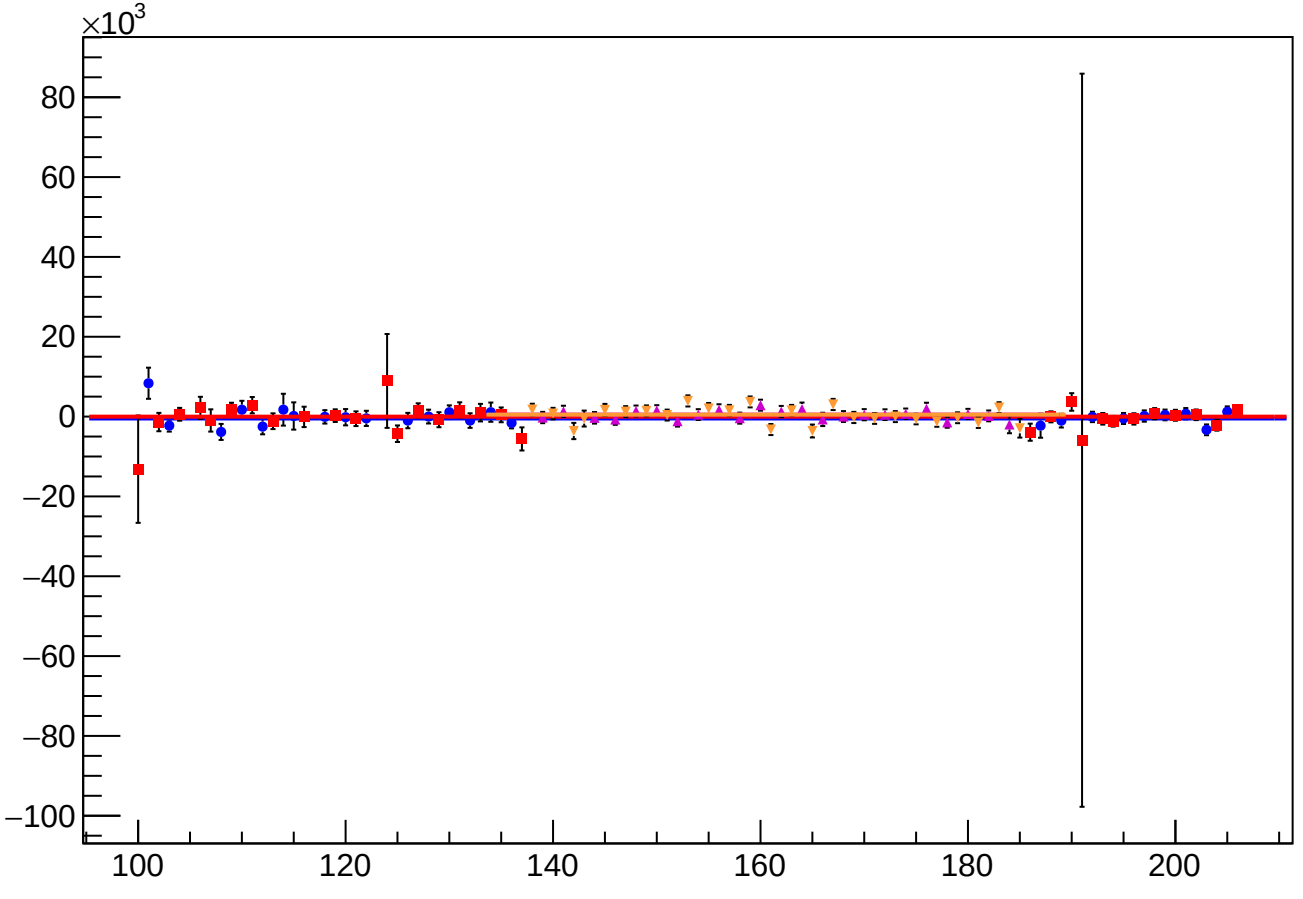
Left In: 0.000+/-0.000 χ^2/NDF:5419961.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 31747182.4/49

All: 0.000+/-0.000 χ^2/NDF: 59365957.2/103

- sign 0.000+/-0.000 χ^2/NDF: 17619231.7/53

reg_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -477.378+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -18.212+/-323.963 χ^2/NDF: 28.0/30

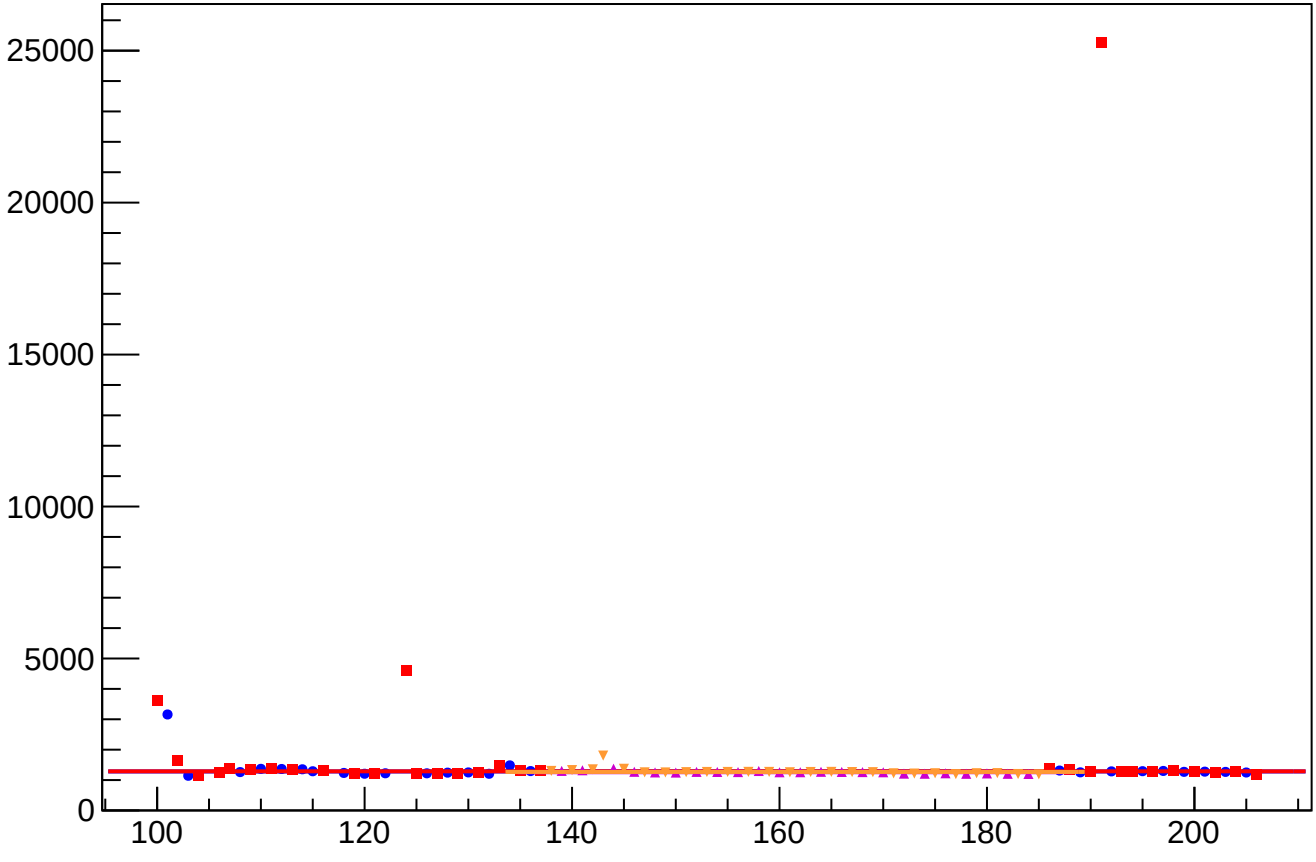
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 93.145+/-221.317 χ^2/NDF: 73.4/49

All: 177.435+/-155.171 χ^2/NDF: 117.5/103

- sign 258.932+/-217.620 χ^2/NDF: 43.8/53

reg_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517899.3/24

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

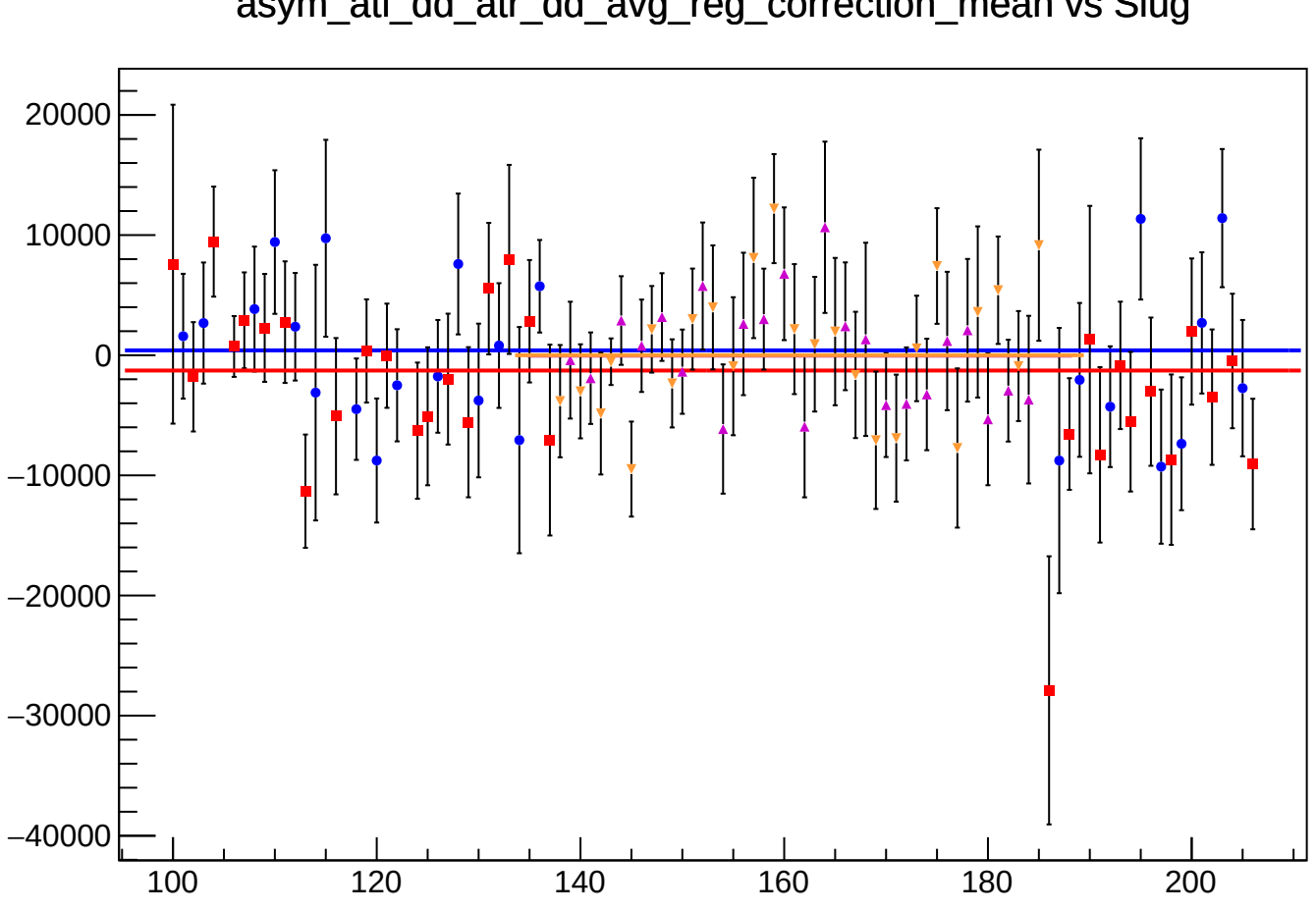
Right Out: 1287.807+/-0.229 χ^2/NDF: 482231.5/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707950.6/49

All: 1272.350+/-0.110 χ^2/NDF: 1236692.9/10

- sign 1271.221+/-0.154 χ^2/NDF: 528632.7/53



Right In: 403.406+/-1110.466 χ^2/NDF: 26.9/24

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

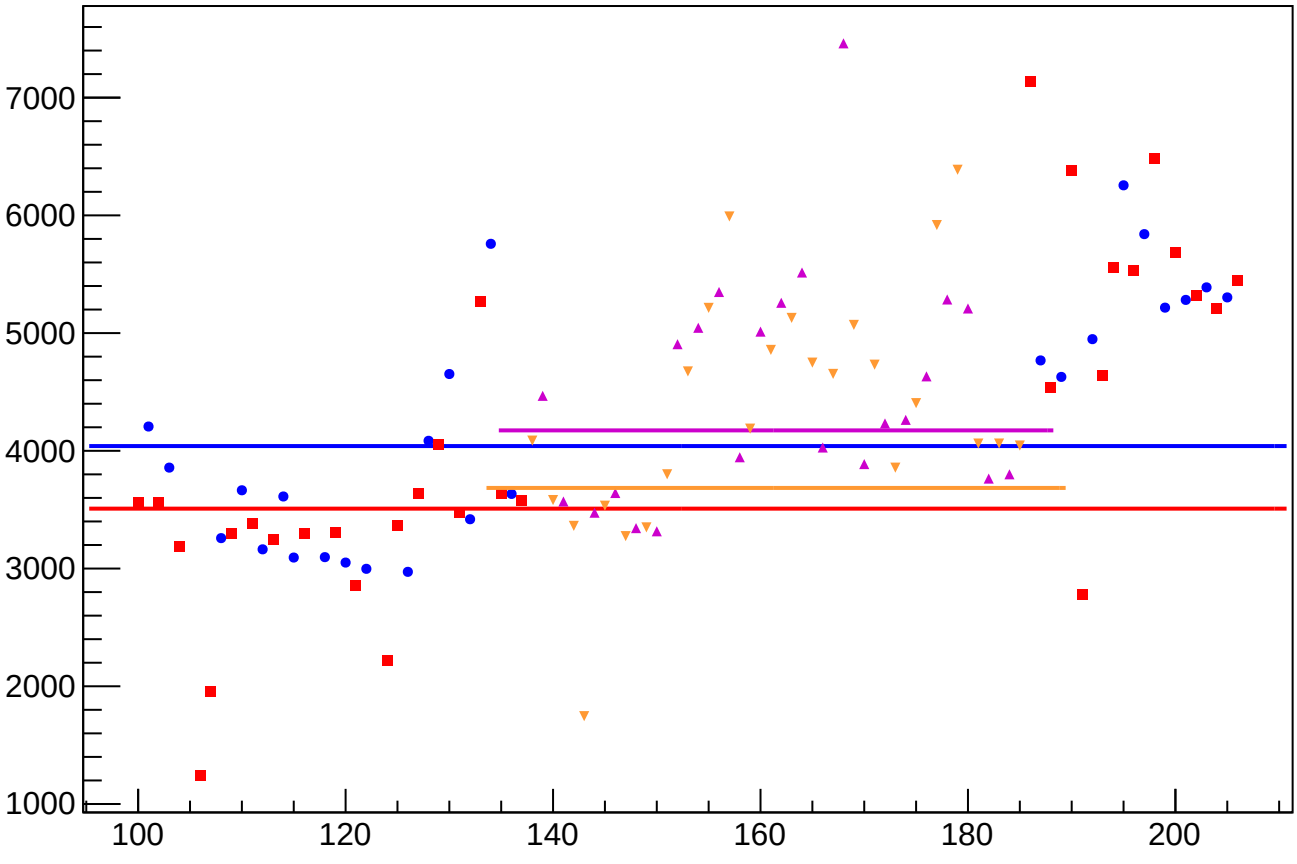
Right Out: -1274.218+/-941.994 χ^2/NDF: 32.1/30

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 156.650+/-692.804 χ^2/NDF: 56.0/49

All: -270.513+/-486.807 χ^2/NDF: 103.7/103

- sign -687.101+/-684.175 χ^2/NDF: 46.9/53



Right In: 4040.423+/-0.785 χ^2/NDF: 1532120.6/24

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3508.883+/-0.666 χ^2/NDF: 4479226.0/30

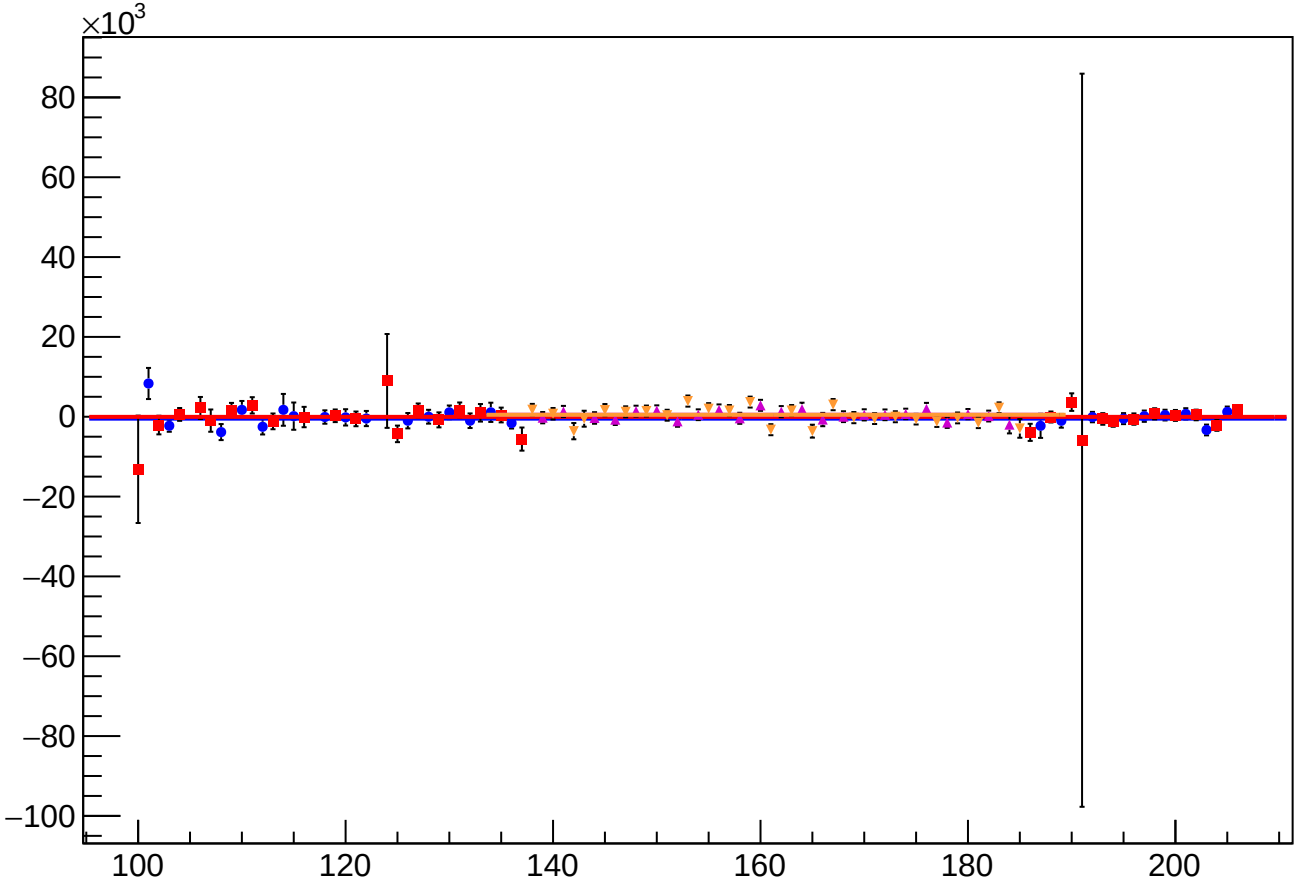
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

\+ sign 3823.201+/-0.490 χ^2/NDF: 5351067.3/49

All: 3823.063+/-0.344 χ^2/NDF: 11575734.8/1

\- sign 3822.928+/-0.484 χ^2/NDF: 6224667.3/53

cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -31.039+/-324.058 χ^2/NDF: 28.5/30

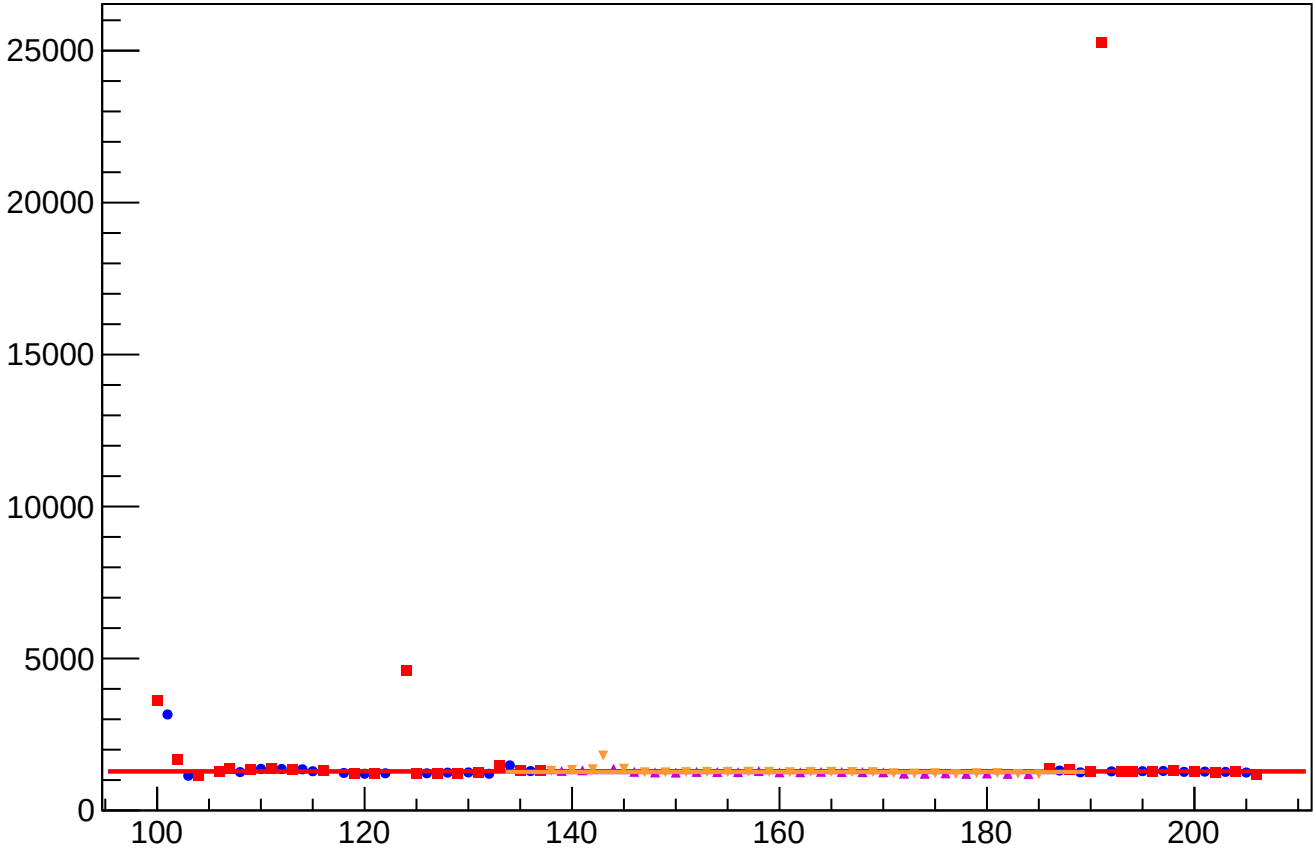
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 93.095+/-221.317 χ^2/NDF: 73.4/49

All: 174.467+/-155.181 χ^2/NDF: 118.0/103

- sign 253.163+/-217.648 χ^2/NDF: 44.3/53

cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

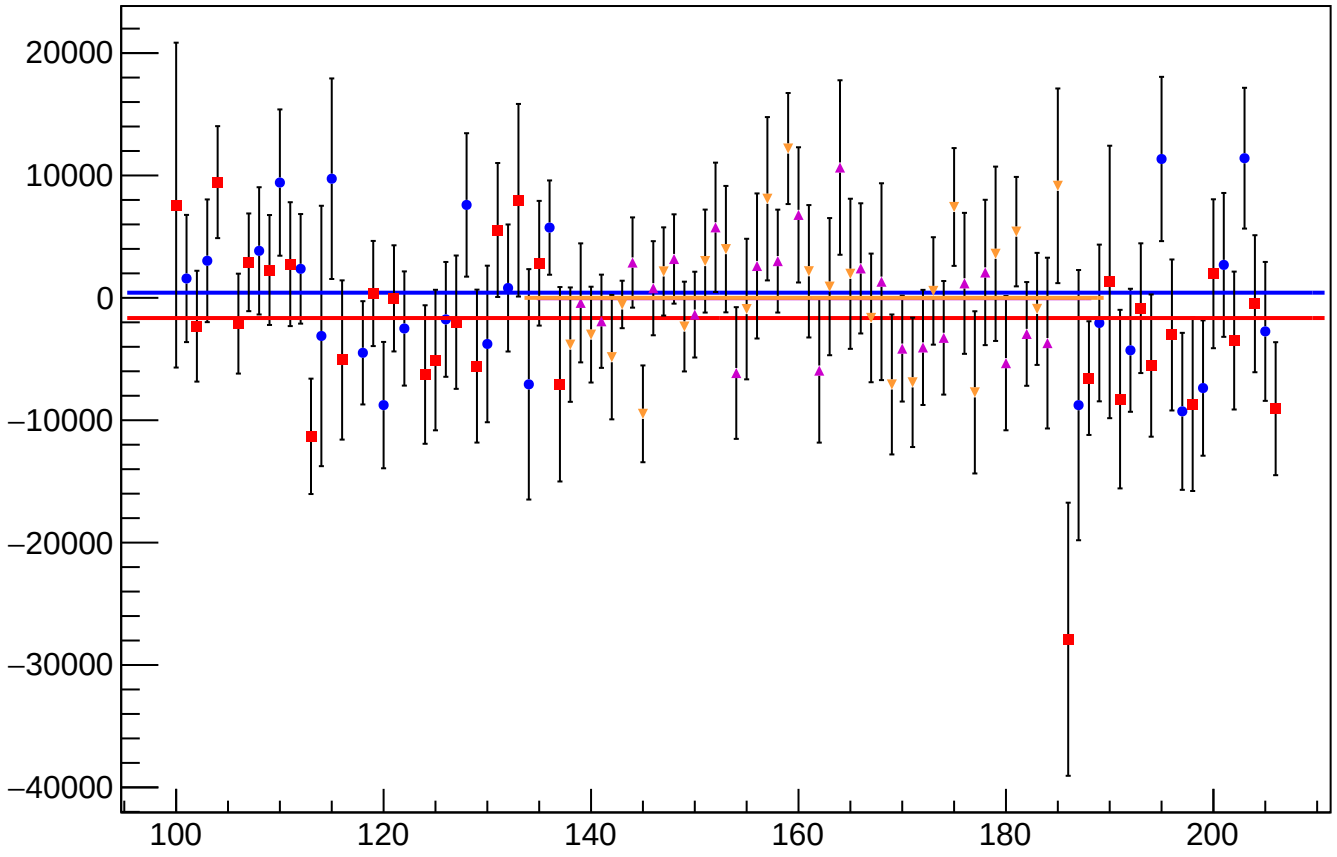
Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707952.0/49

All: 1272.548+/-0.110 χ^2/NDF: 1244141.1/10

- sign 1271.610+/-0.154 χ^2/NDF: 536113.4/53



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

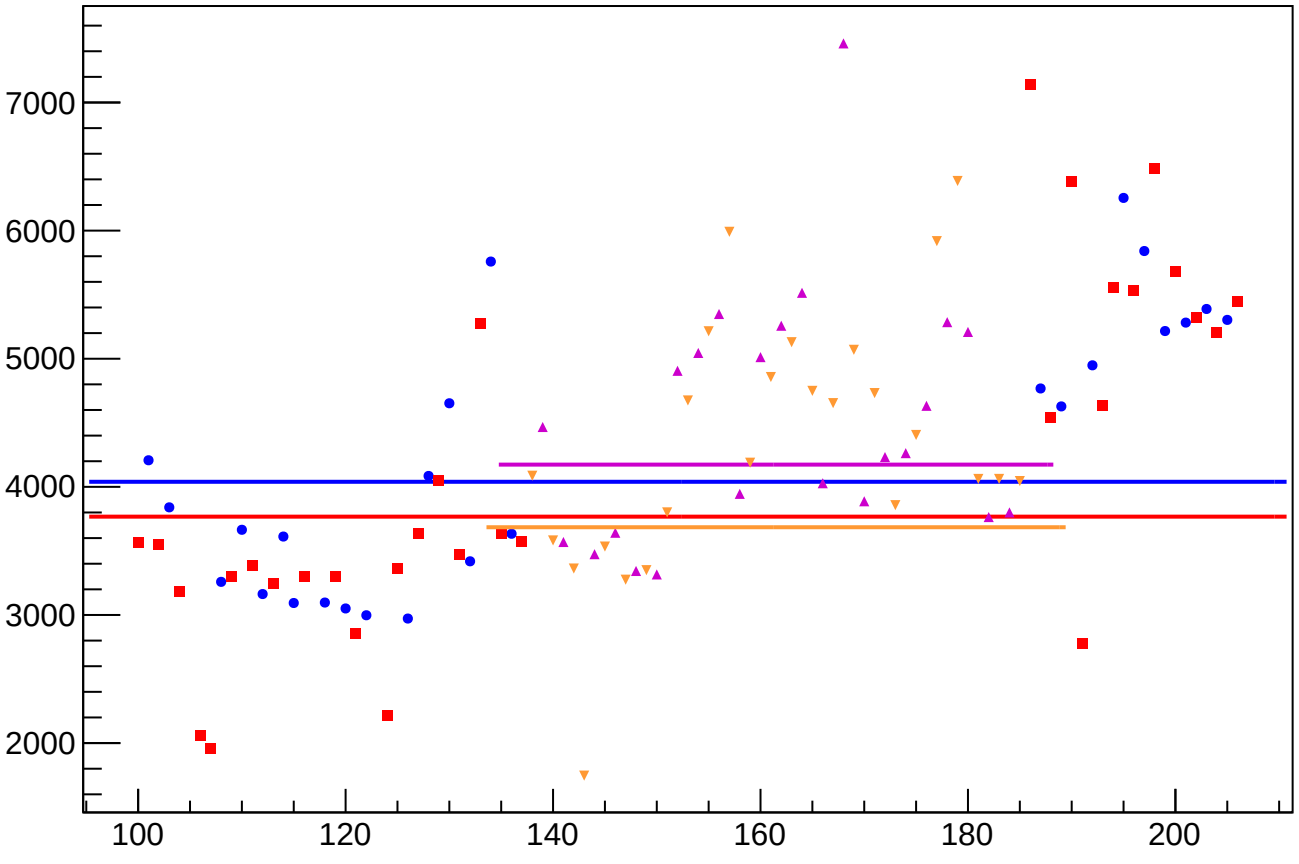
Right Out: -1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 163.853+/-692.739 χ^2/NDF: 56.1/49

All: -337.432+/-492.399 χ^2/NDF: 103.9/103

- sign -849.330+/-700.033 χ^2/NDF: 46.7/53



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

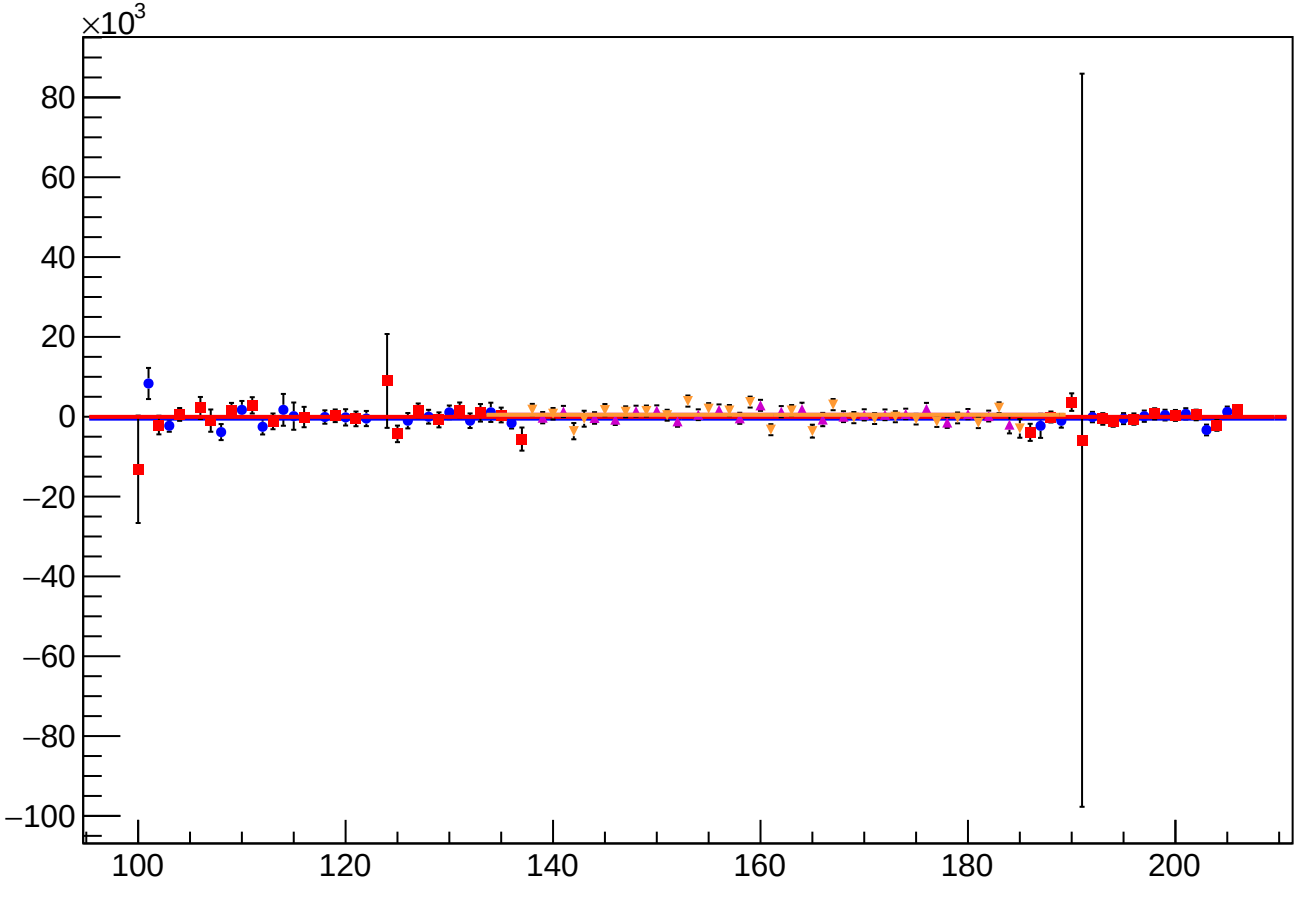
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

\+ sign 3822.888+/-0.490 χ^2/NDF: 5351105.7/49

All: 3894.840+/-0.348 χ^2/NDF: 9823998.8/10

\- sign 3968.315+/-0.495 χ^2/NDF: 4429284.0/53

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -31.039+/-324.058 χ^2/NDF: 28.5/30

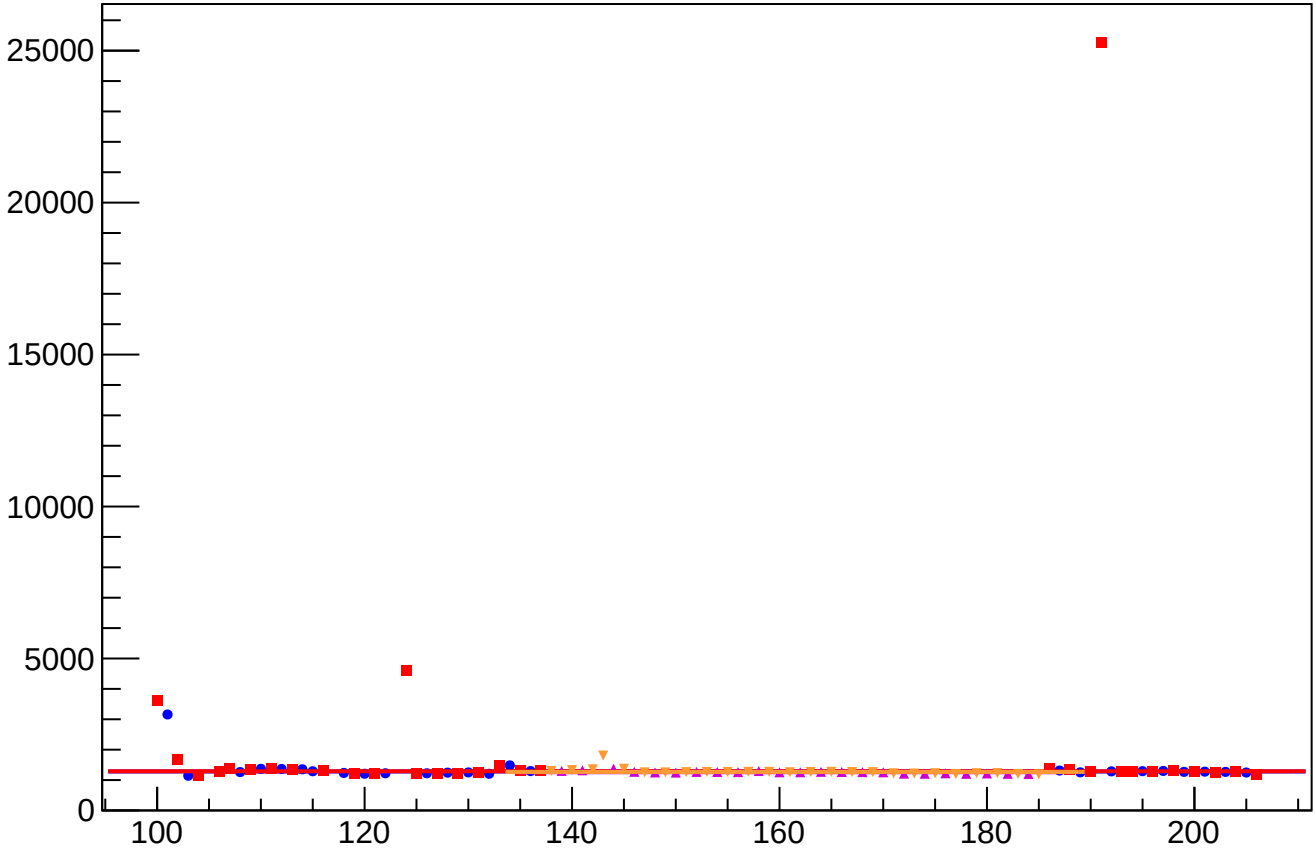
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 93.095+/-221.317 χ^2/NDF: 73.4/49

All: 174.467+/-155.181 χ^2/NDF: 118.0/103

- sign 253.163+/-217.648 χ^2/NDF: 44.3/53

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

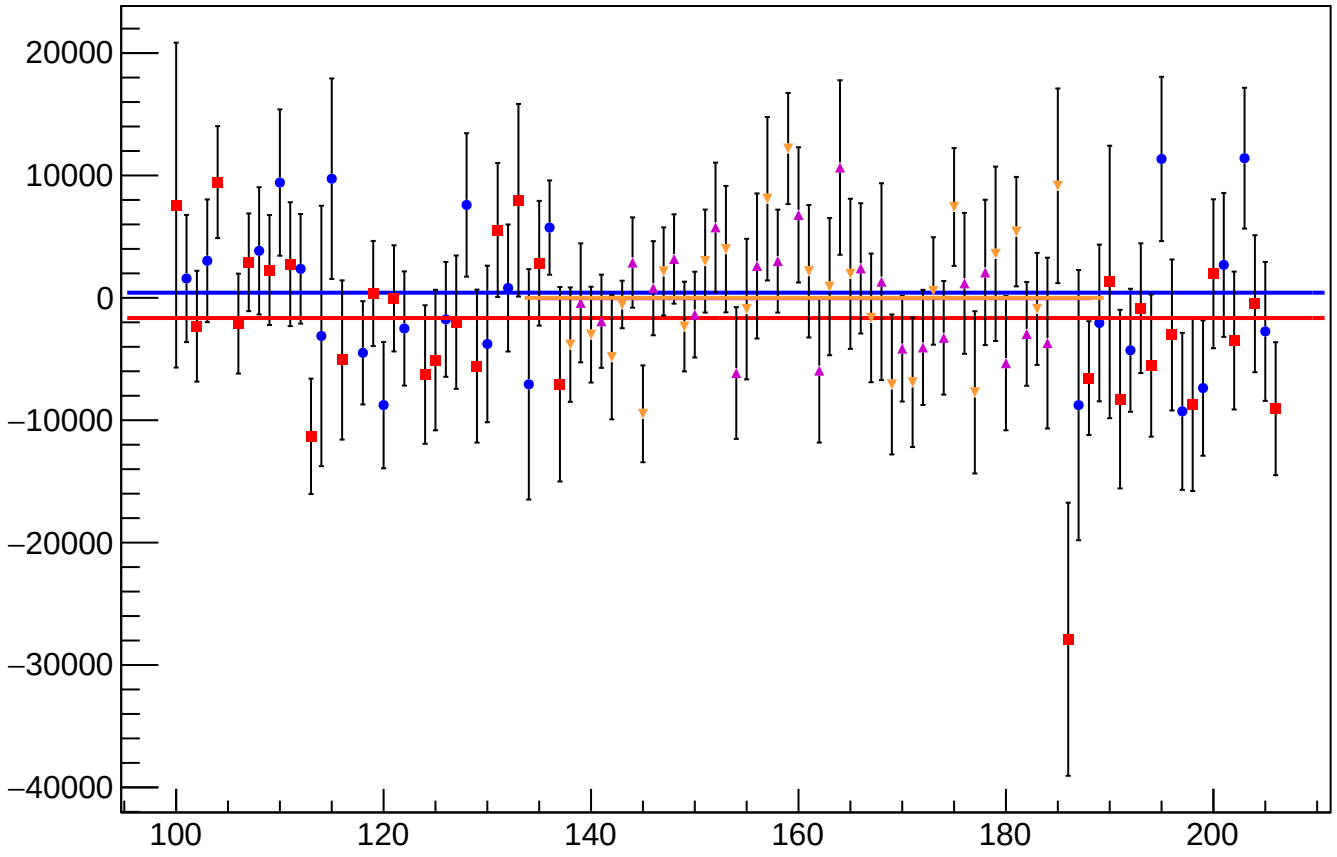
Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707952.0/49

All: 1272.548+/-0.110 χ^2/NDF: 1244141.1/10

- sign 1271.610+/-0.154 χ^2/NDF: 536113.4/53



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

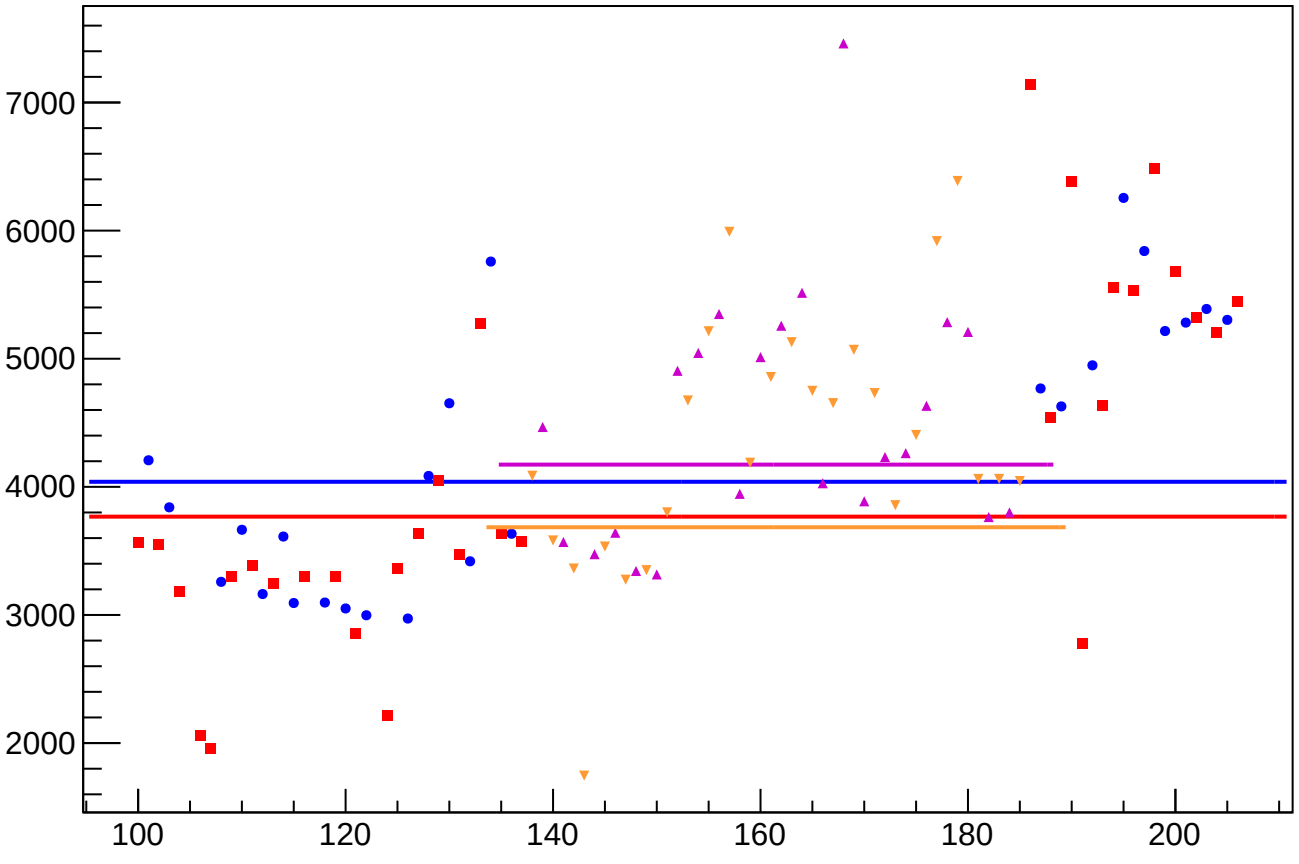
Right Out: -1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 163.853+/-692.739 χ^2/NDF: 56.1/49

All: -337.432+/-492.399 χ^2/NDF: 103.9/103

- sign -849.330+/-700.033 χ^2/NDF: 46.7/53



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

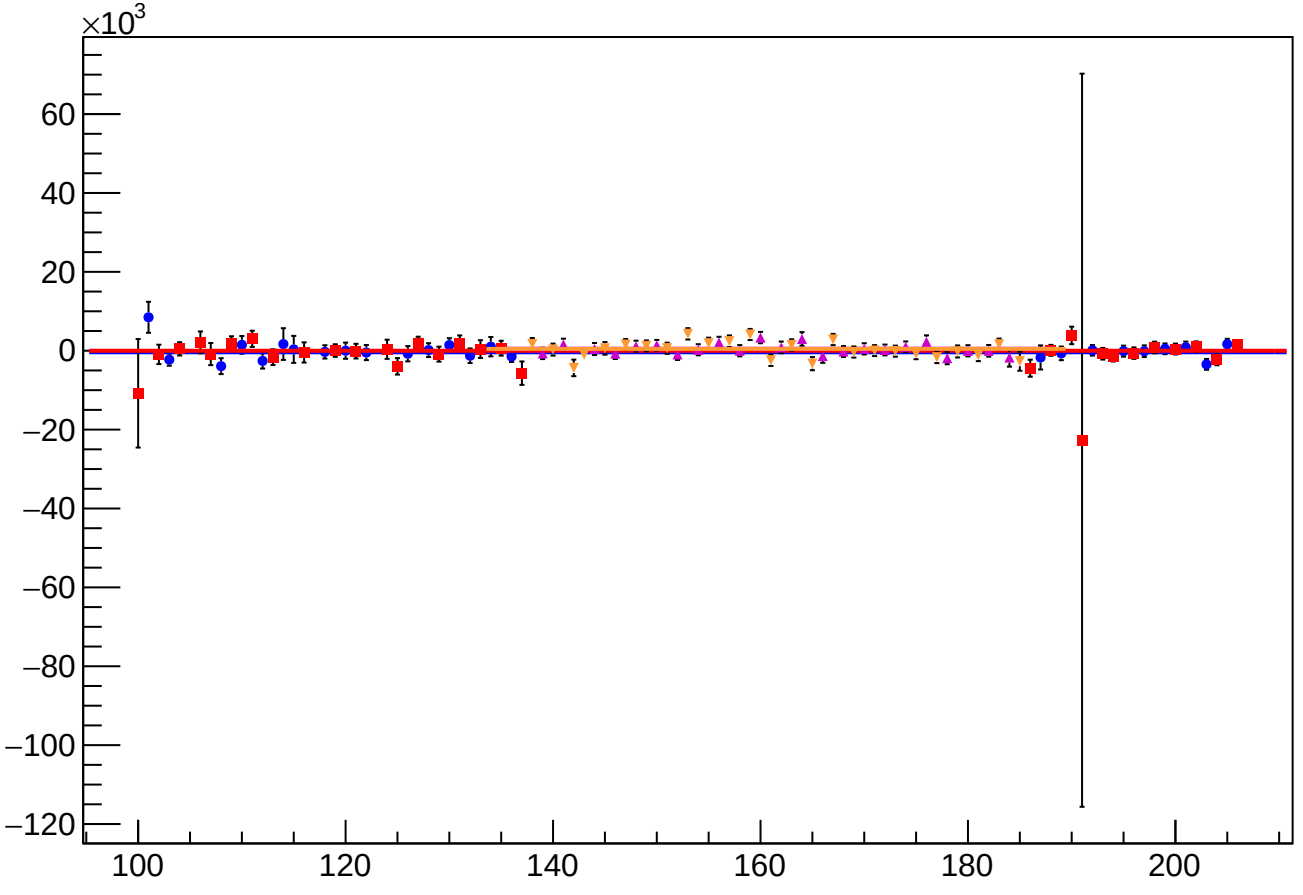
Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3822.888+/-0.490 χ^2/NDF: 5351105.7/49

All: 3894.840+/-0.348 χ^2/NDF: 9823998.8/10

- sign 3968.315+/-0.495 χ^2/NDF: 4429284.0/53

dit_asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -393.186+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -5.003+/-326.544 χ^2/NDF: 29.0/30

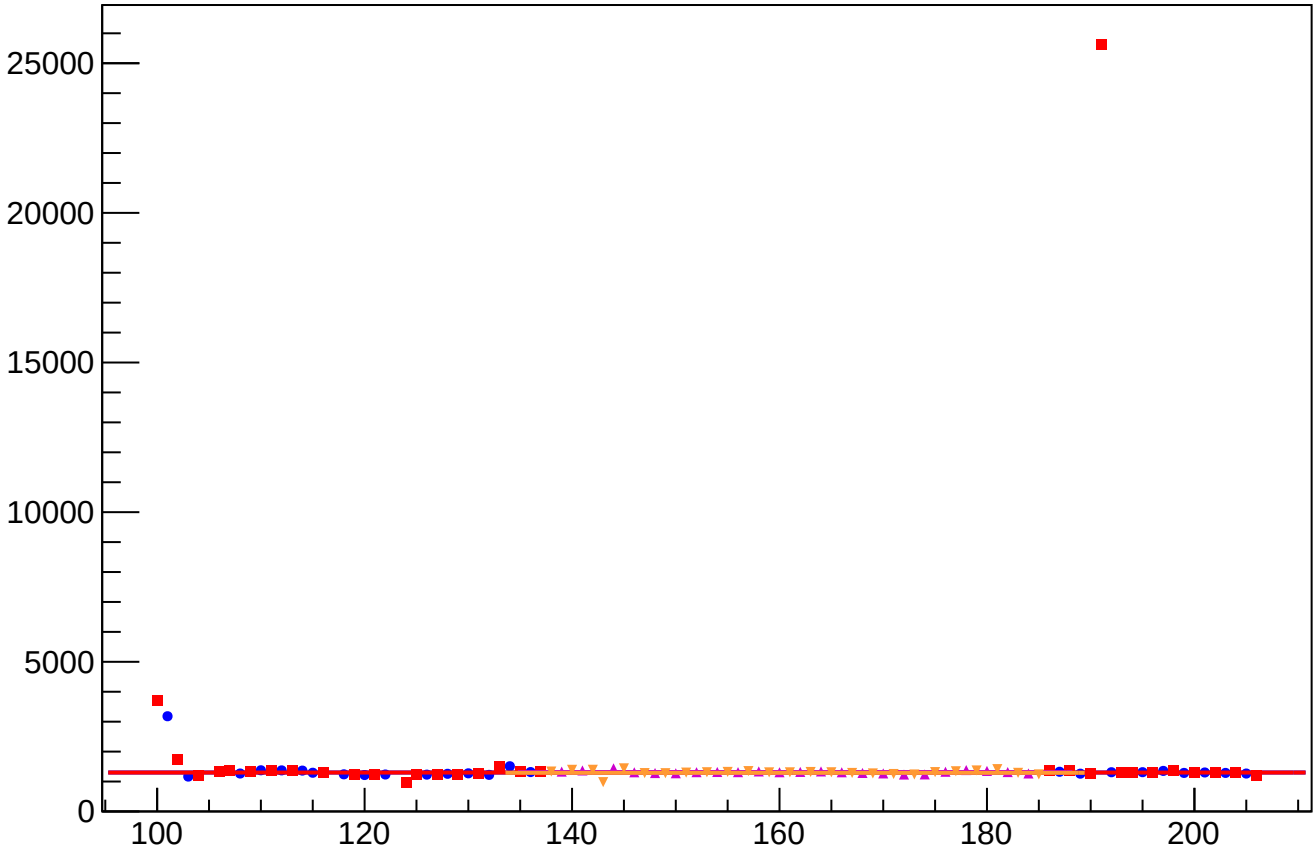
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 111.489+/-225.270 χ^2/NDF: 70.8/49

All: 188.736+/-158.729 χ^2/NDF: 118.7/103

- sign 264.905+/-223.693 χ^2/NDF: 47.7/53

dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1301.840+/-0.248 χ^2/NDF: 516314.9/24

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

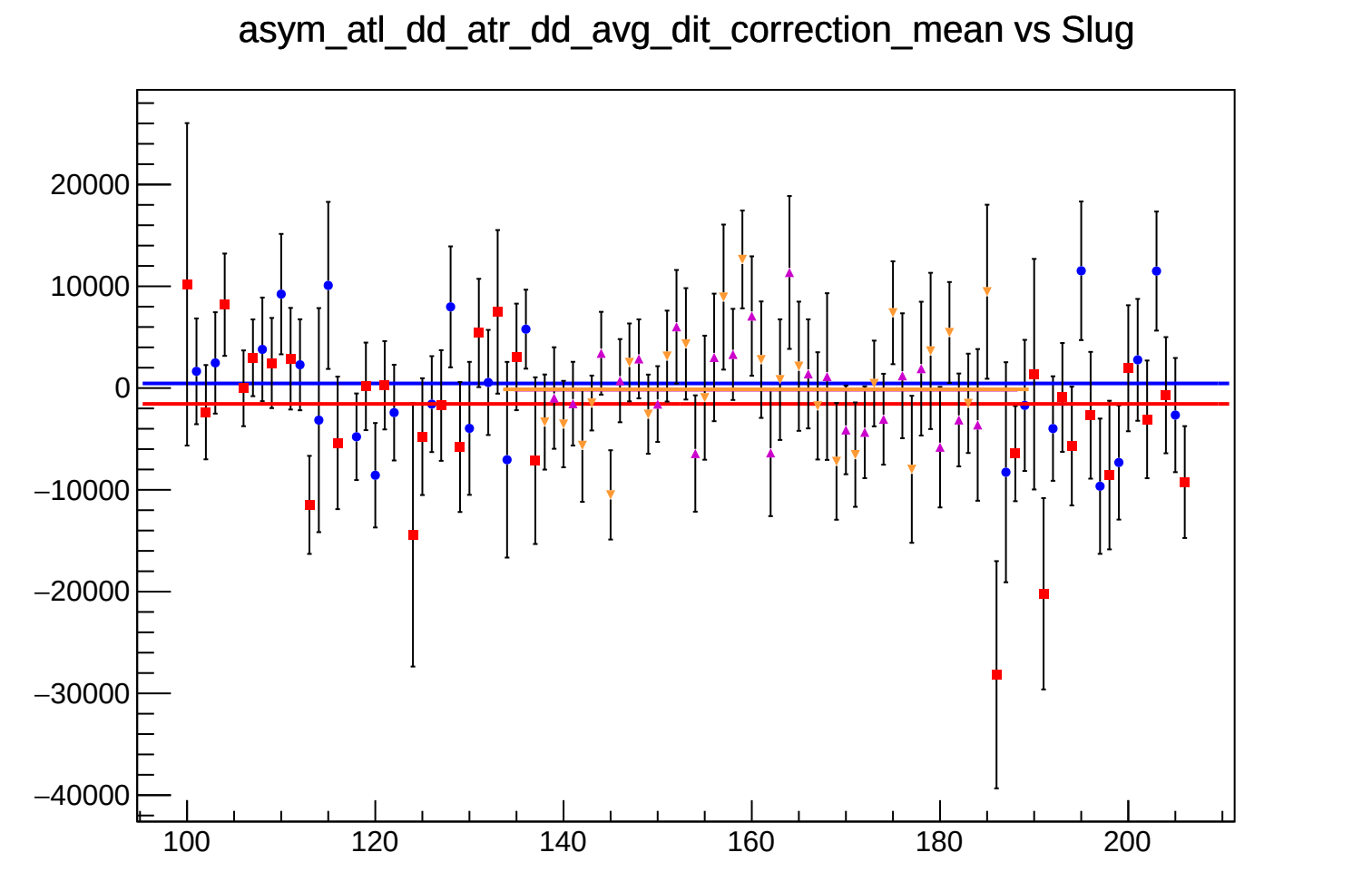
Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.0/30

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1295.610+/-0.159 χ^2/NDF: 748130.2/49

All: 1301.569+/-0.112 χ^2/NDF: 1173870.0/10

- sign 1307.442+/-0.158 χ^2/NDF: 422961.4/53



Right In: 455.466+/-1115.970 χ^2/NDF: 26.6/24

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

Right Out: -1556.741+/-1002.016 χ^2/NDF: 33.1/30

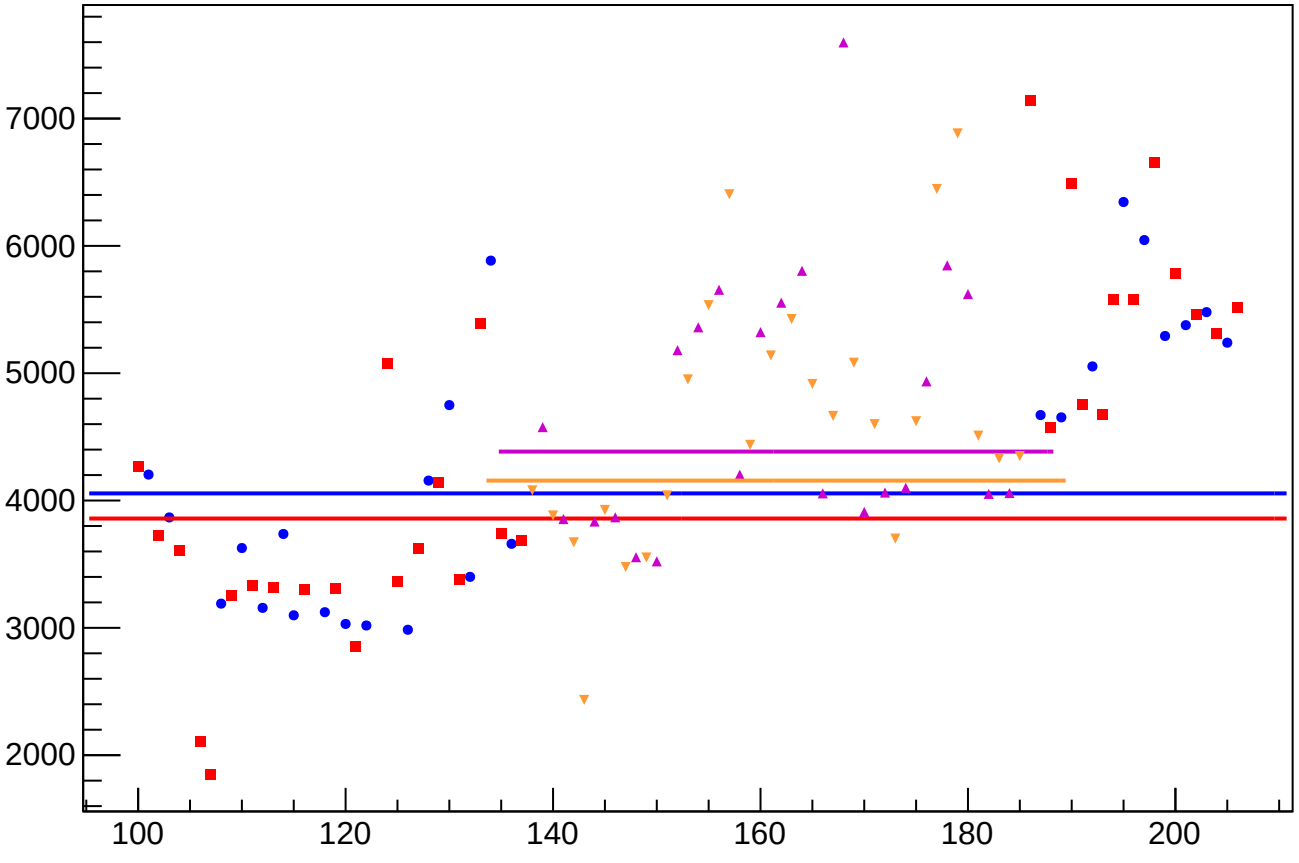
Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 125.641+/-735.194 χ^2/NDF: 55.3/49

All: -389.242+/-515.647 χ^2/NDF: 104.1/103

- sign -887.765+/-723.420 χ^2/NDF: 47.8/53

asym_atl_dd_atr_dd_avg_dit_correction_rms vs Slug



Right In: 4056.015+/-0.789 χ^2/NDF: 1613781.3/24

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

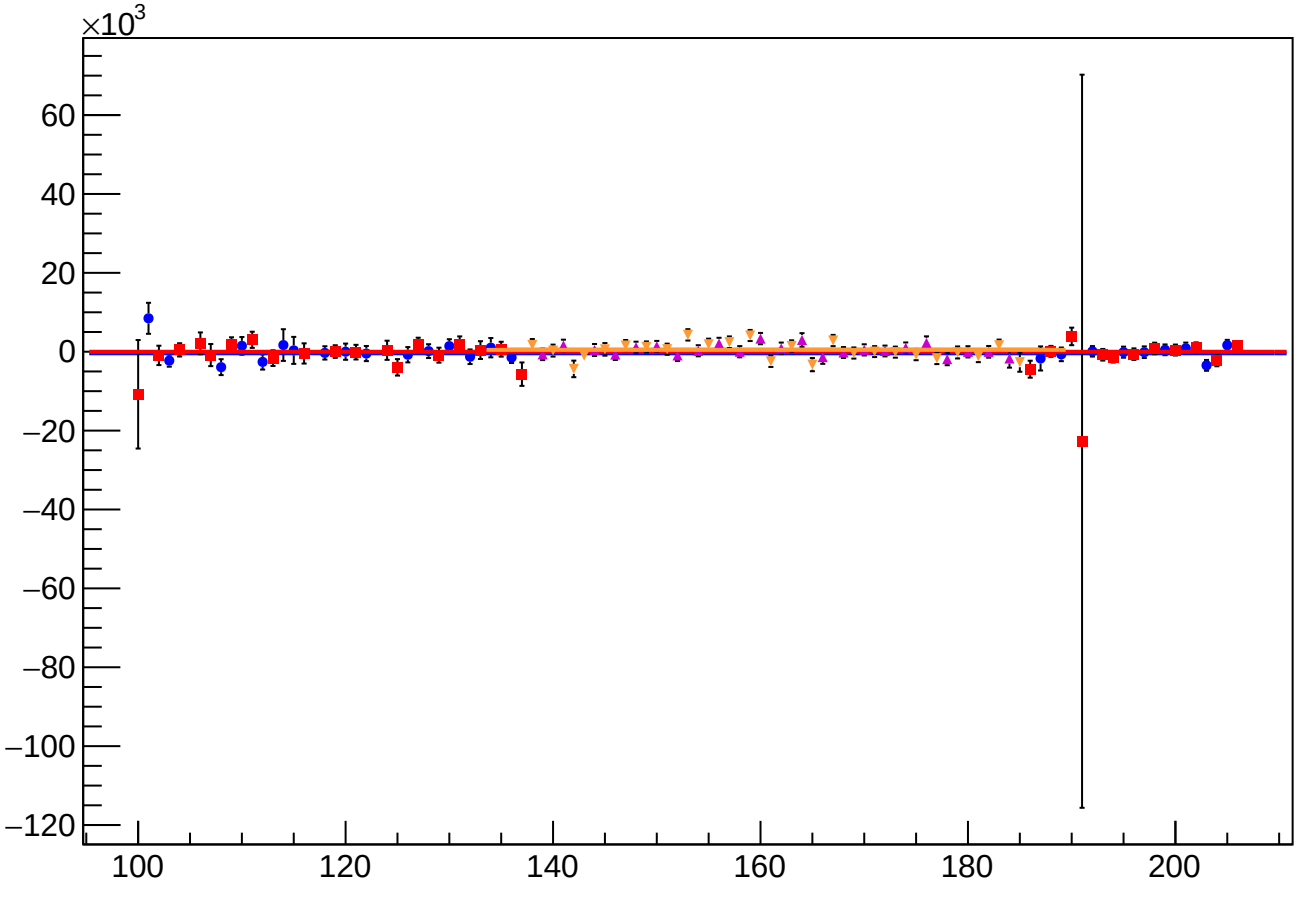
Right Out: 3858.672+/-0.709 χ^2/NDF: 3057818.8/30

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4112.935+/-0.520 χ^2/NDF: 3703740.2/49

All: 4111.615+/-0.365 χ^2/NDF: 8280554.0/10

- sign 4110.336+/-0.512 χ^2/NDF: 4576801.2/53



Right In: -393.185+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -5.002+/-326.544 χ^2/NDF: 29.0/30

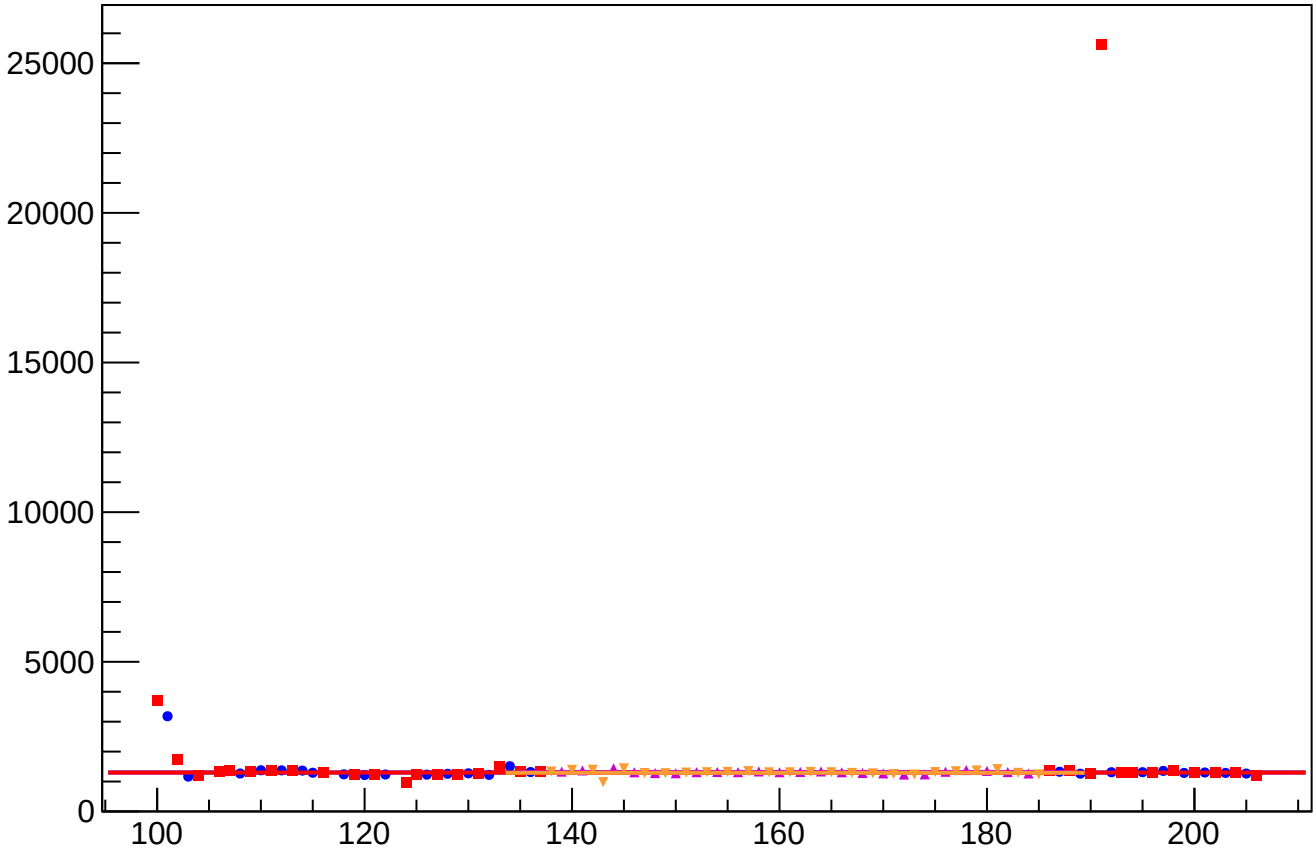
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 111.492+/-225.270 χ^2/NDF: 70.8/49

All: 188.737+/-158.730 χ^2/NDF: 118.7/103

- sign 264.905+/-223.694 χ^2/NDF: 47.7/53

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 1301.840+/-0.248 χ^2/NDF: 516315.1/24

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

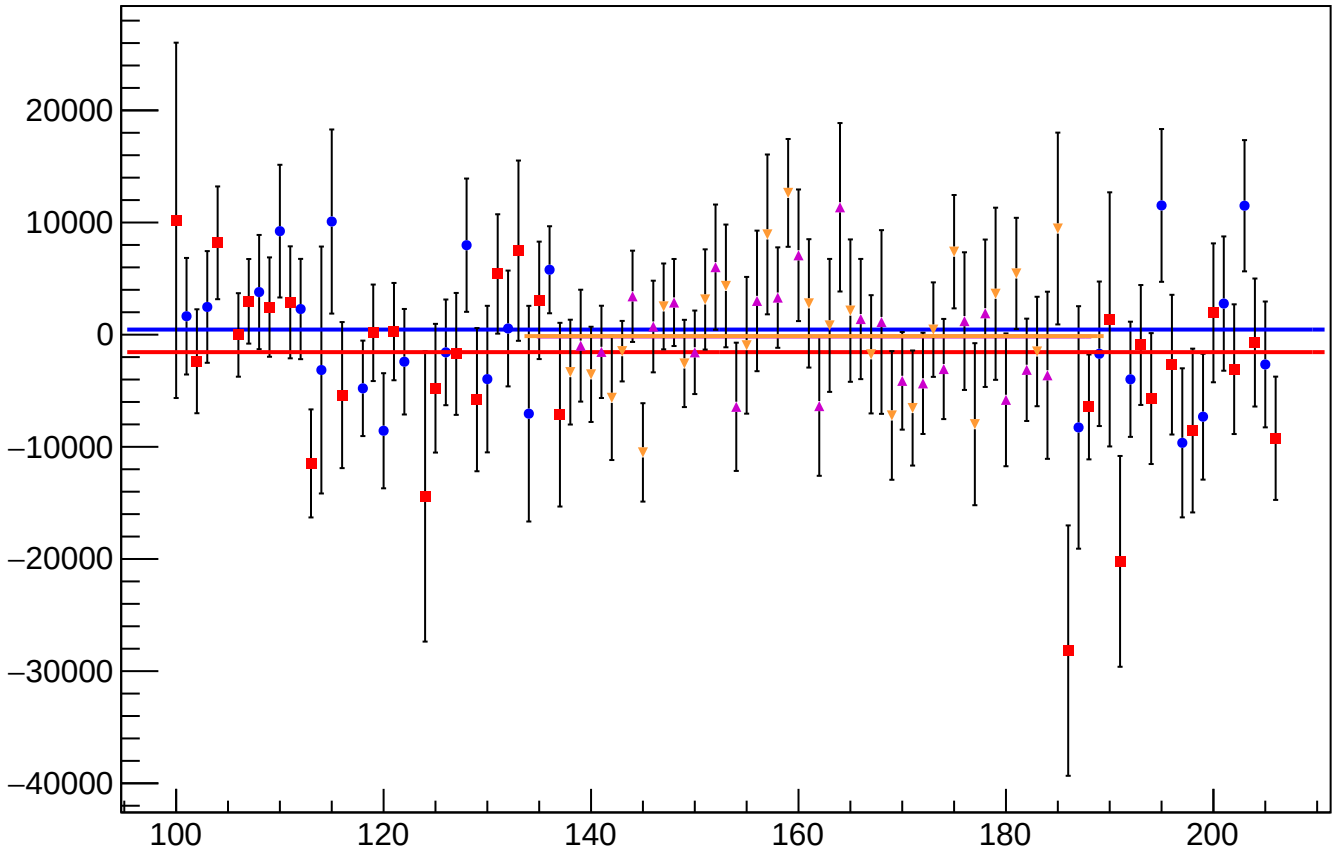
Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.1/30

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1295.611+/-0.159 χ^2/NDF: 748132.7/49

All: 1301.569+/-0.112 χ^2/NDF: 1173875.1/10

- sign 1307.443+/-0.158 χ^2/NDF: 422964.0/53



Right In: 455.459+/-1115.969 χ^2/NDF: 26.6/24

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

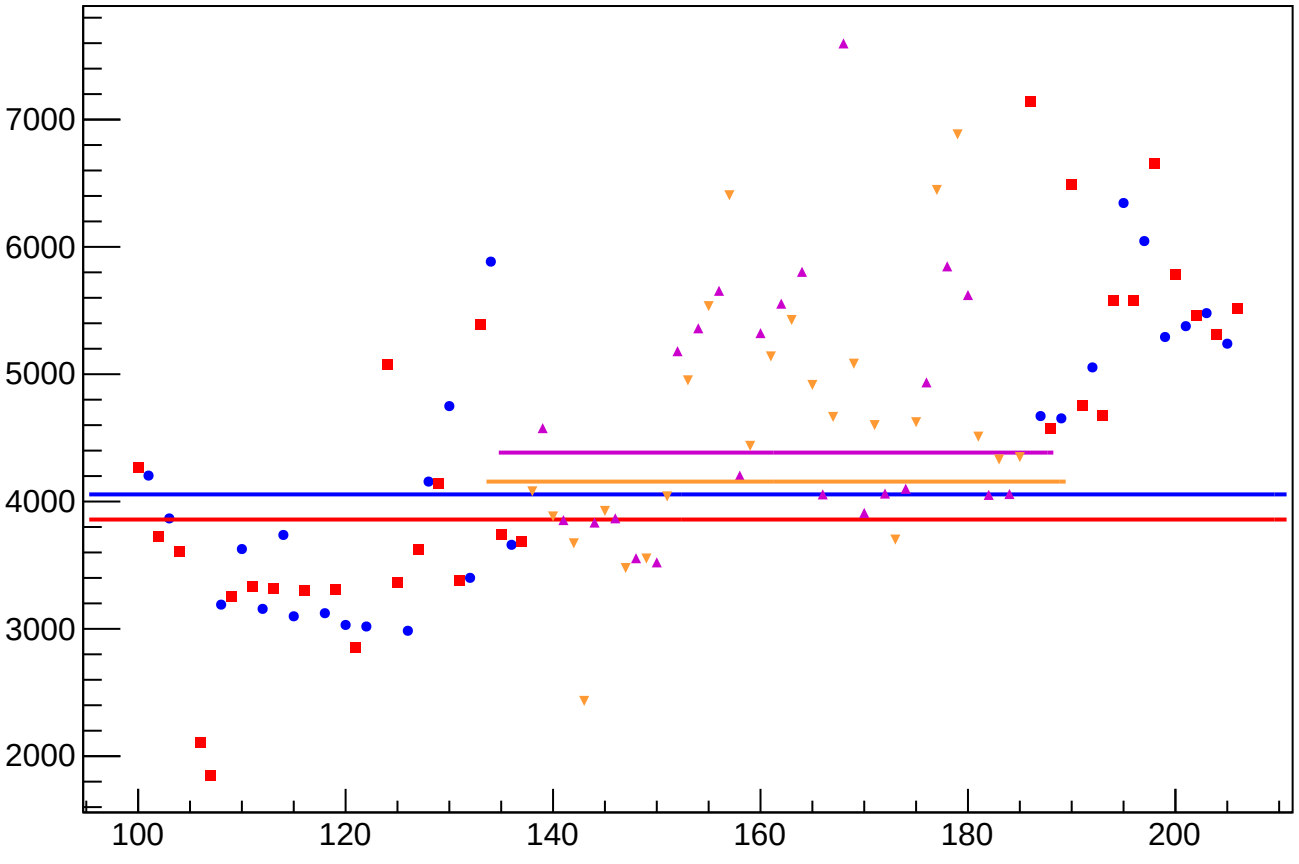
Right Out: -1556.733+/-1002.014 χ^2/NDF: 33.1/30

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 125.640+/-735.194 χ^2/NDF: 55.3/49

All: -389.242+/-515.647 χ^2/NDF: 104.1/103

- sign -887.763+/-723.420 χ^2/NDF: 47.8/53



Right In: 4056.008+/-0.789 χ^2/NDF: 1613807.7/24

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3858.666+/-0.709 χ^2/NDF: 3057847.1/30

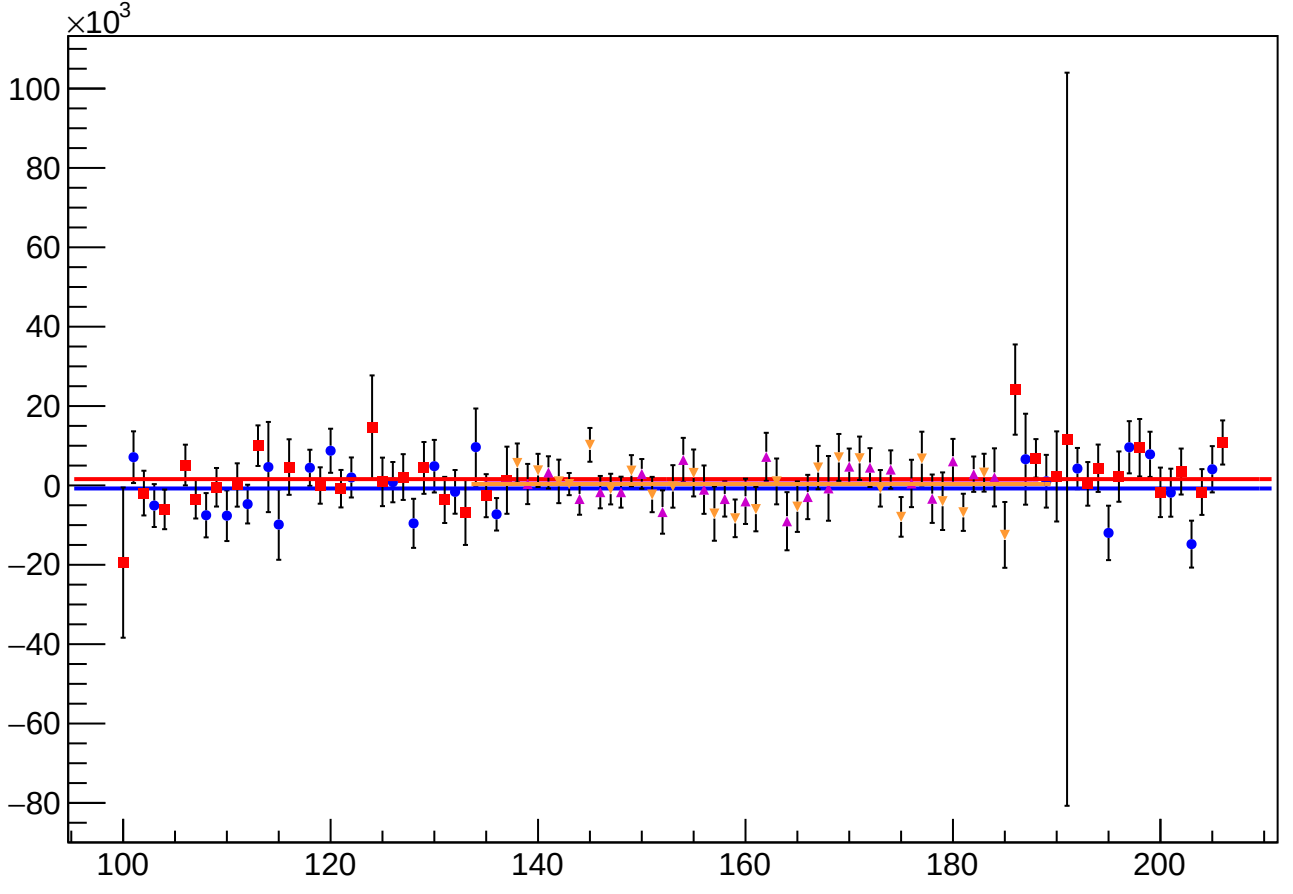
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4112.935+/-0.520 χ^2/NDF: 3703771.8/49

All: 4111.614+/-0.365 χ^2/NDF: 8280631.4/10

- sign 4110.336+/-0.512 χ^2/NDF: 4576846.9/53

asym_atl_dd_atr_dd_avg_mean vs Slug



Right In: -770.346+/-1181.948 χ^2/NDF: 32.9/24

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1590.008+/-1090.282 χ^2/NDF: 22.8/30

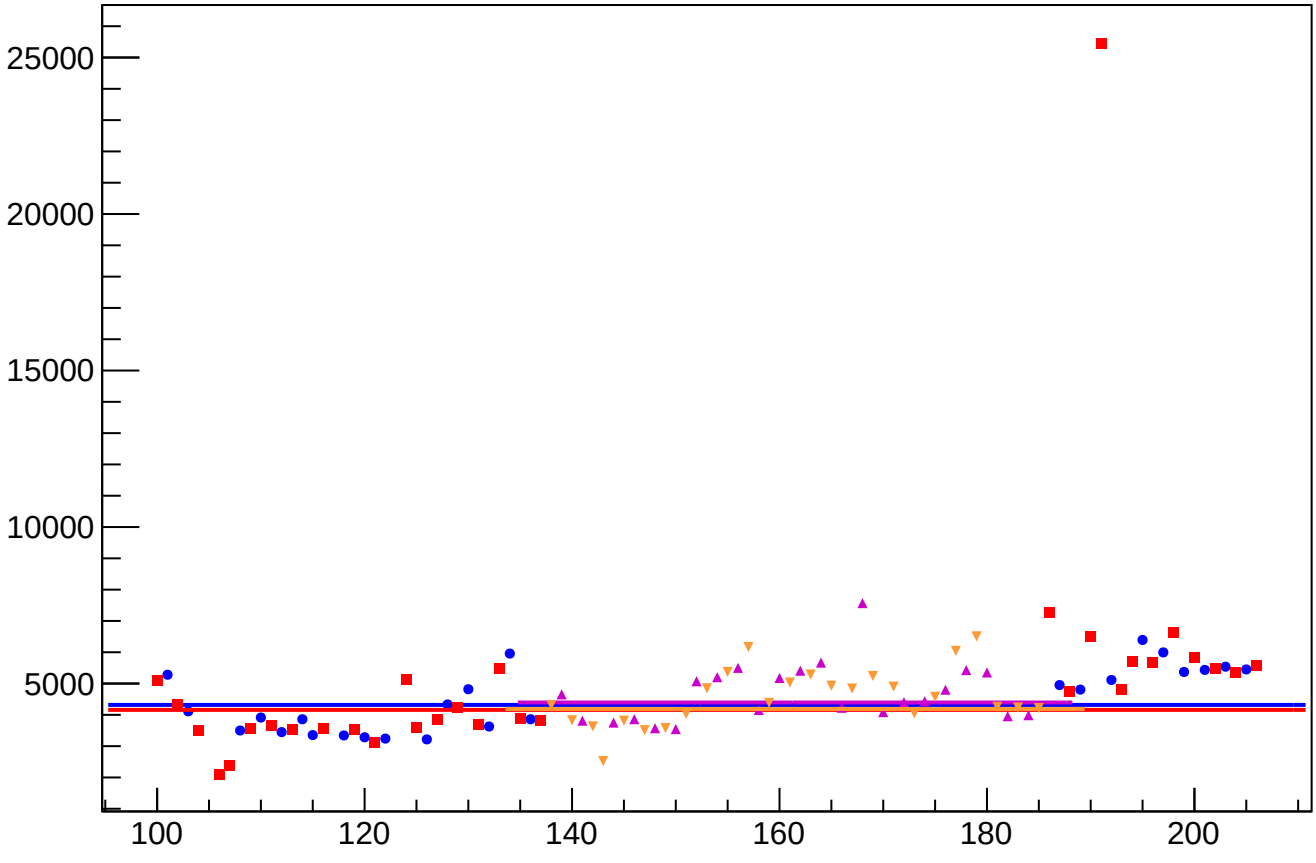
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -98.924+/-754.347 χ^2/NDF: 61.1/49

All: 460.787+/-533.393 χ^2/NDF: 99.4/103

- sign 1020.455+/-754.317 χ^2/NDF: 37.2/53

asym_atl_dd_atr_dd_avg_rms vs Slug



Right In: 4317.758+/-0.836 χ^2/NDF: 1333620.2/24

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

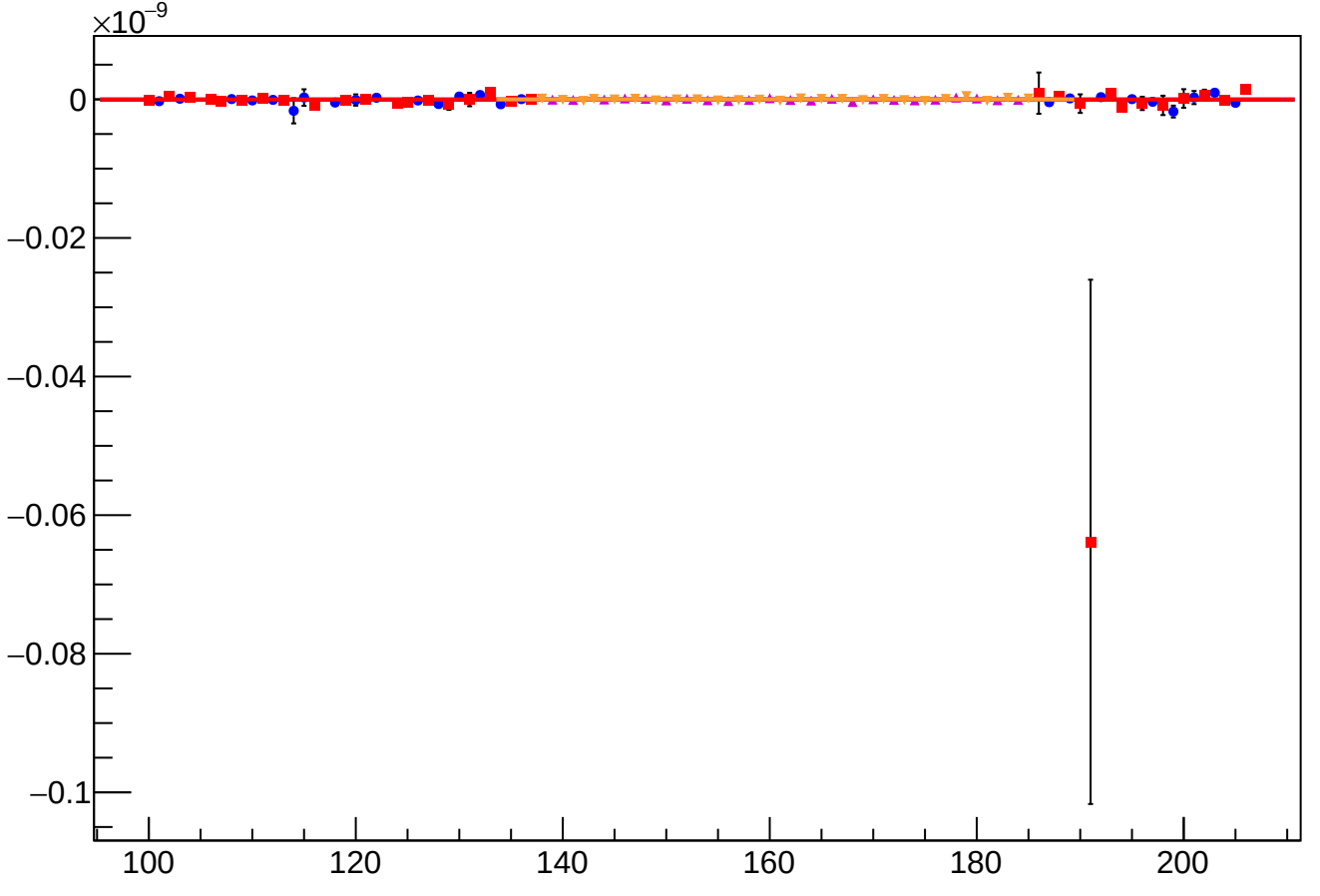
Right Out: 4158.534+/-0.764 χ^2/NDF: 2452358.5/30

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4240.765+/-0.533 χ^2/NDF: 3144285.8/49

All: 4260.660+/-0.376 χ^2/NDF: 6737043.2/10

- sign 4280.379+/-0.531 χ^2/NDF: 3589987.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

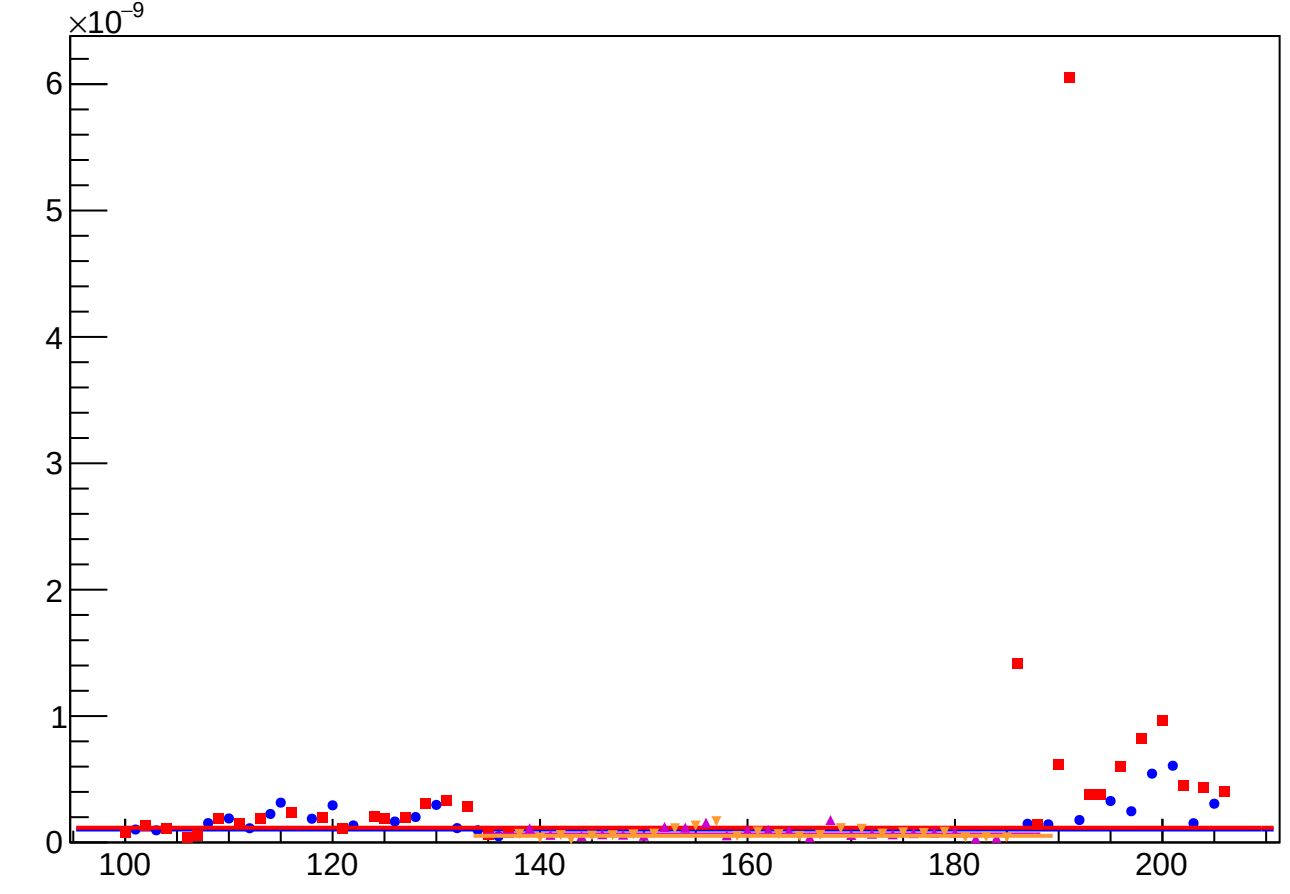
Right Out: -0.000+/-0.000 χ^2/NDF: 33.0/30

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/49

All: -0.000+/-0.000 χ^2/NDF: 109.4/103

- sign -0.000+/-0.000 χ^2/NDF: 50.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 3407071.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

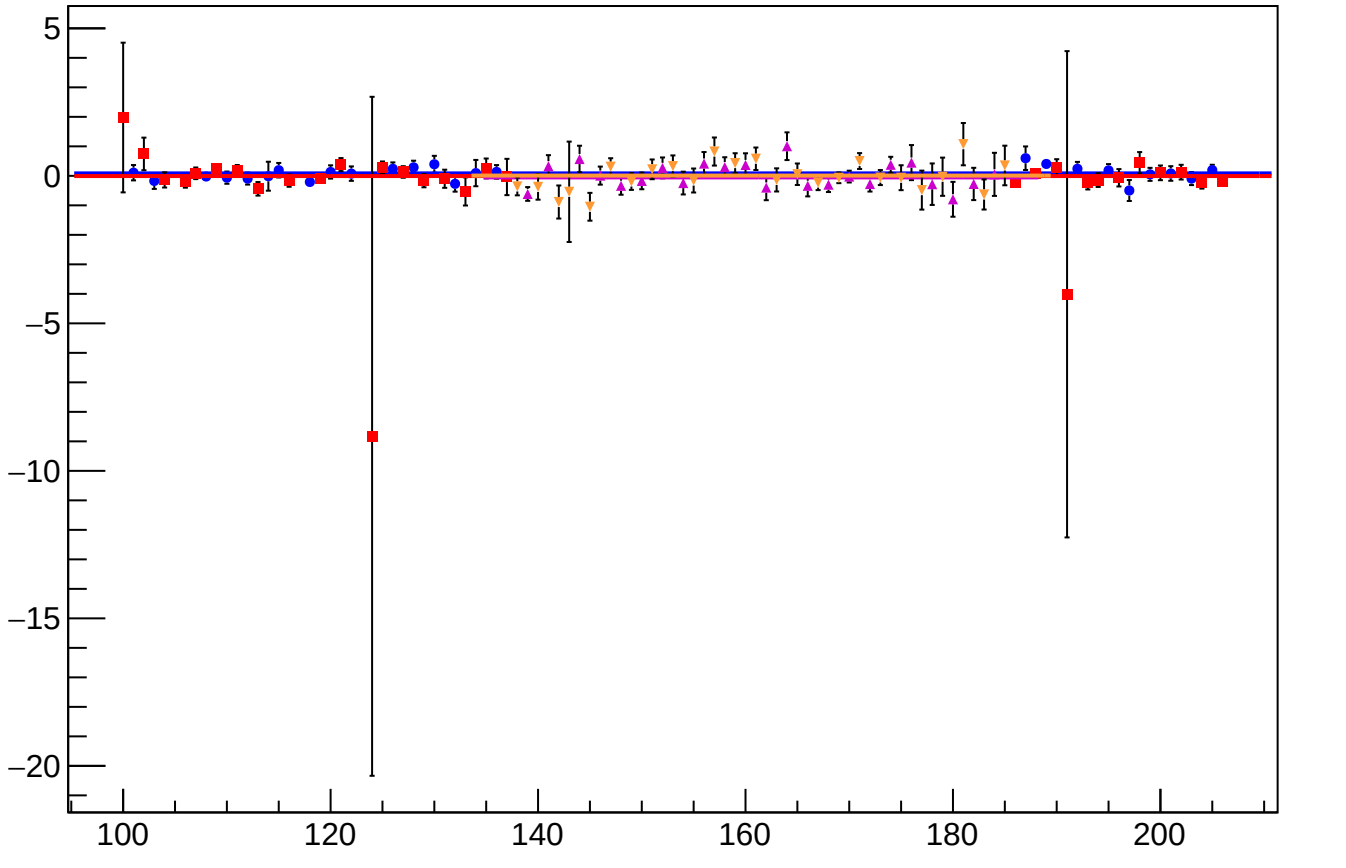
Right Out: 0.000+/-0.000 χ^2/NDF: 6378887.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7413879.7/49

All: 0.000+/-0.000 χ^2/NDF: 17177429.1/103

- sign 0.000+/-0.000 χ^2/NDF: 9458054.7/53



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

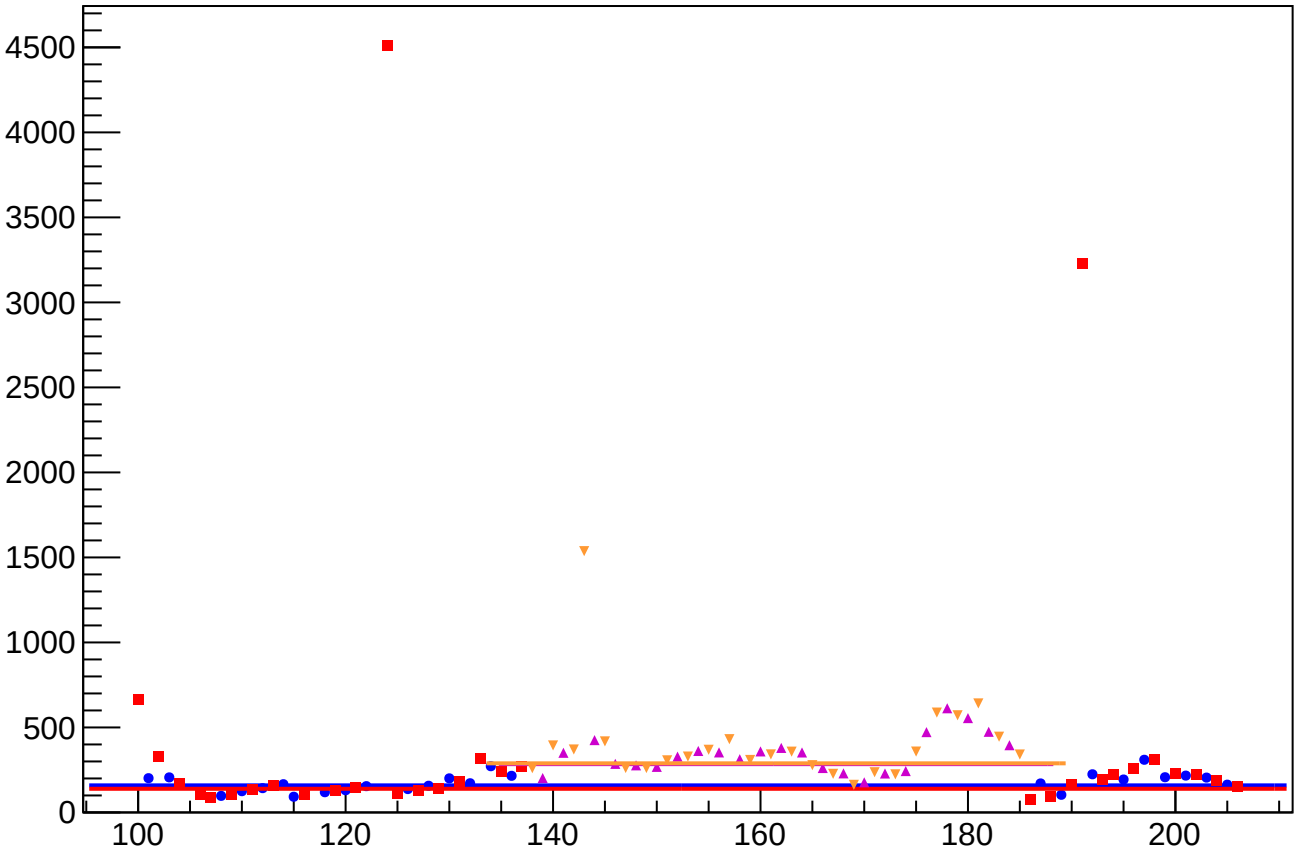
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

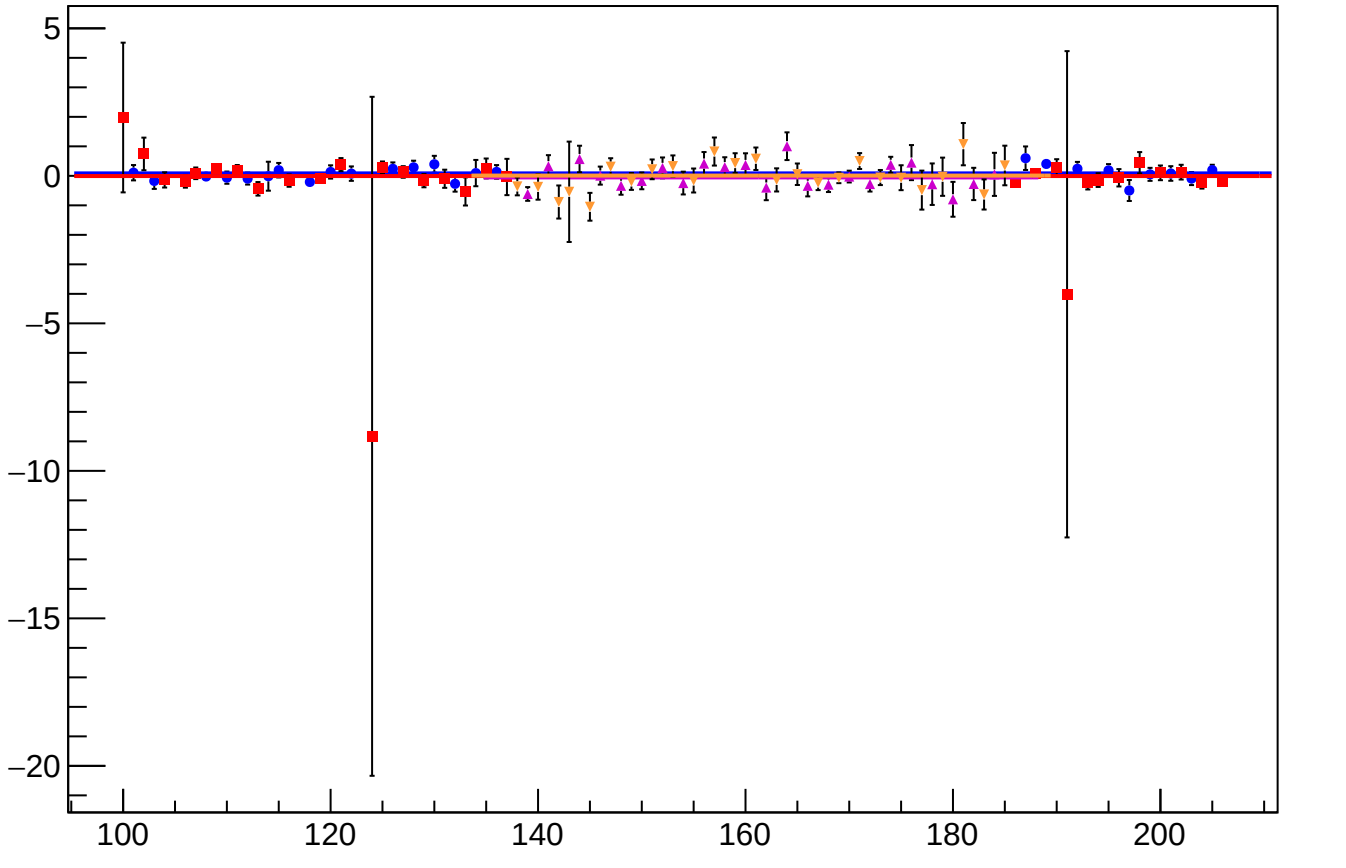
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.017+/-0.025 χ^2/NDF: 113.0/103

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53


asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 159.373+/-0.032 χ²/NDF: 2215908.4/24
Left Out: 288.922+/-0.050 χ²/NDF:4648197.0/24
Right Out: 139.244+/-0.027 χ²/NDF: 4674613.0/30
Left In: 284.168+/-0.050 χ²/NDF:3077521.1/22
+ sign 196.931+/-0.027 χ²/NDF: 11589845.3/49
All: 183.519+/-0.018 χ²/NDF: 26285586.4/10
- sign 172.947+/-0.024 χ²/NDF: 14255780.1/53



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

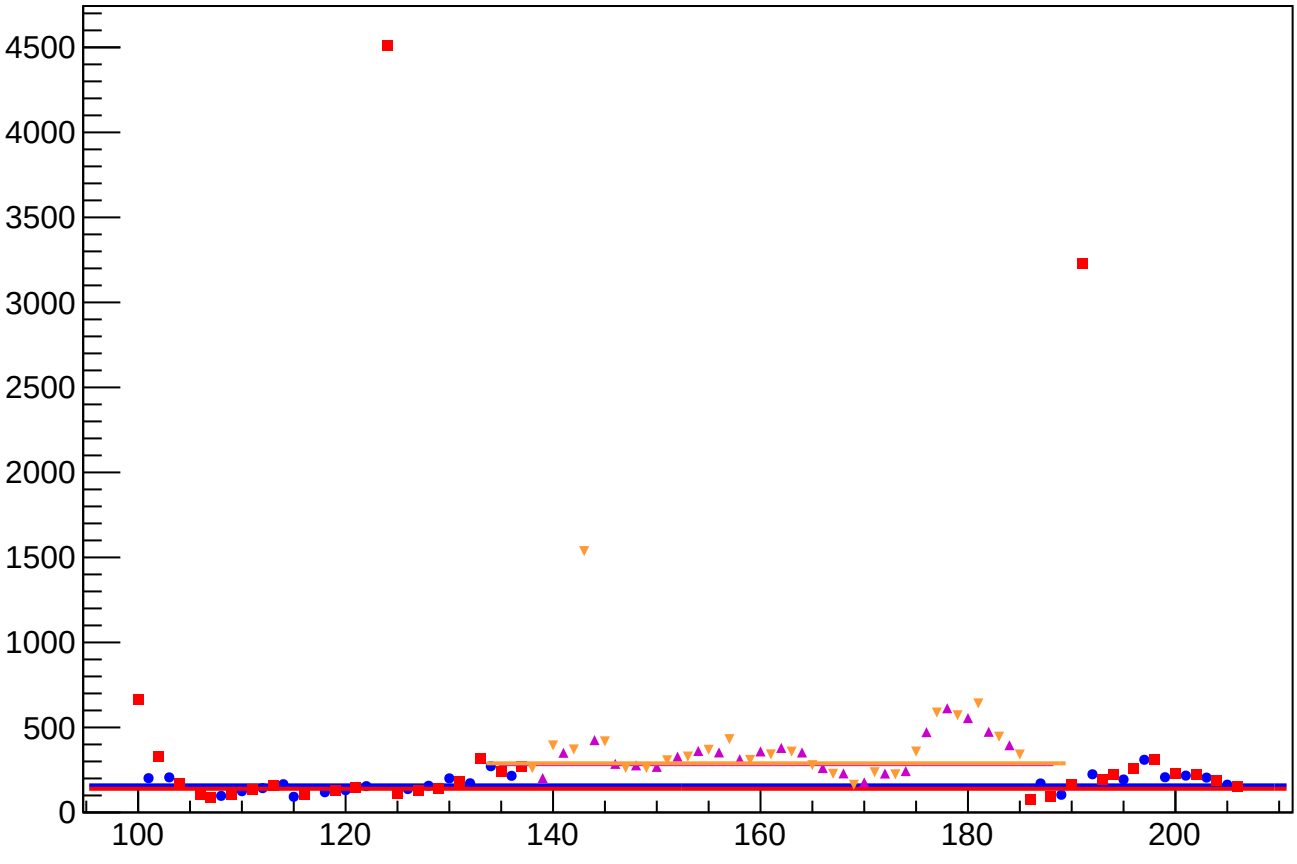
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.017+/-0.025 χ^2/NDF: 113.0/103

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

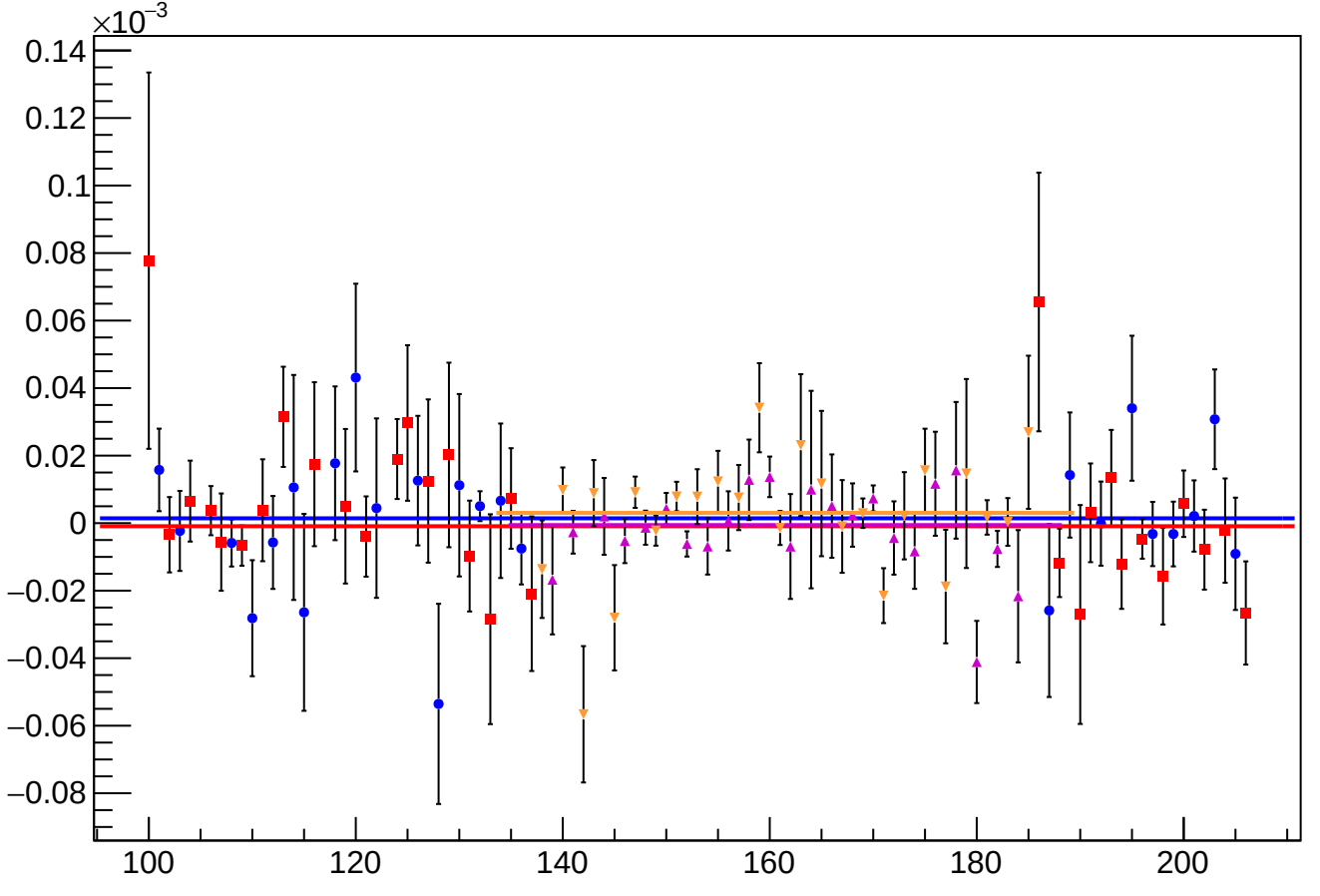
Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.931+/-0.027 χ^2/NDF: 11589845.3/49

All: 183.519+/-0.018 χ^2/NDF: 26285586.4/10

- sign 172.947+/-0.024 χ^2/NDF: 14255780.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

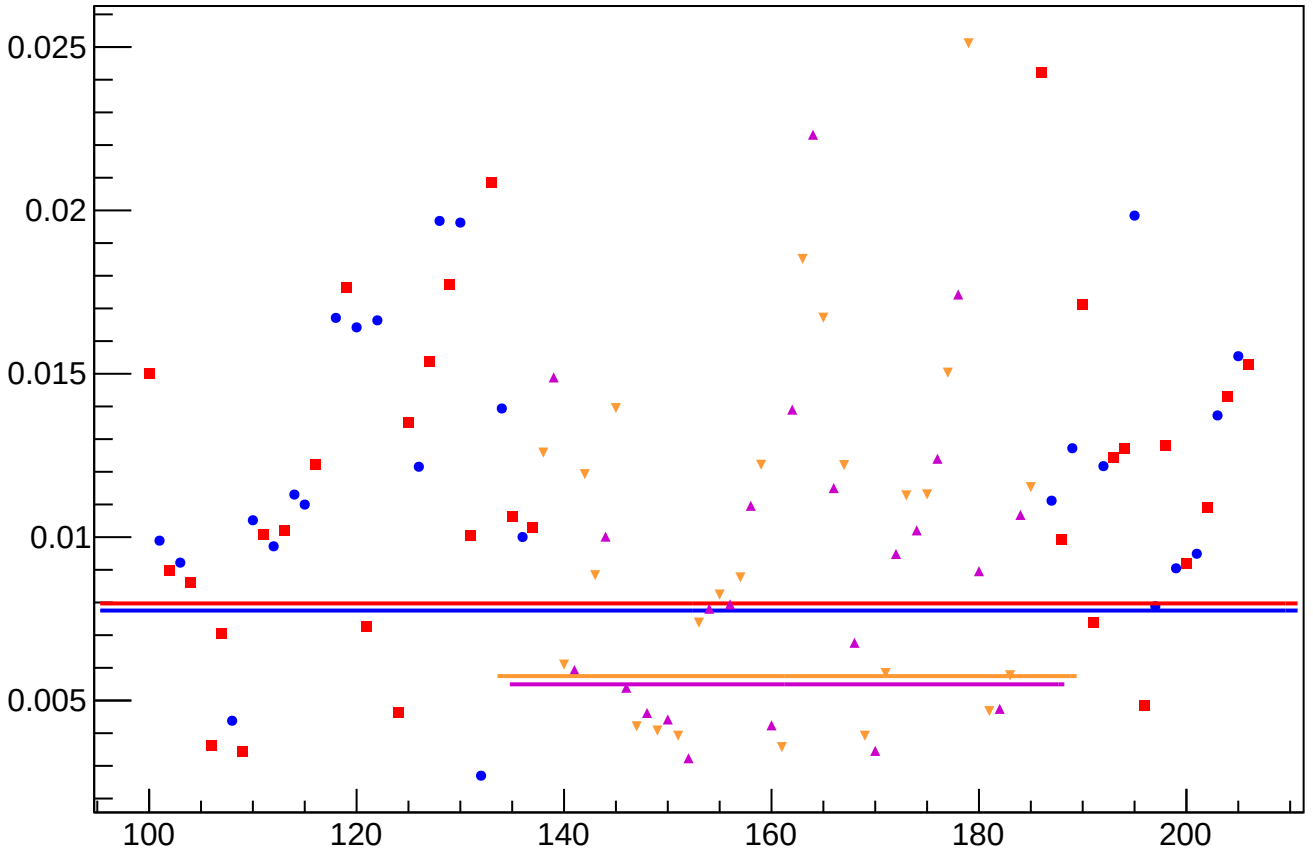
Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/30

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.2/49

All: 0.000+/-0.000 χ^2/NDF: 131.5/103

- sign -0.000+/-0.000 χ^2/NDF: 62.0/53



Right In: 0.008+/-0.000 χ^2/NDF: 7003675.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

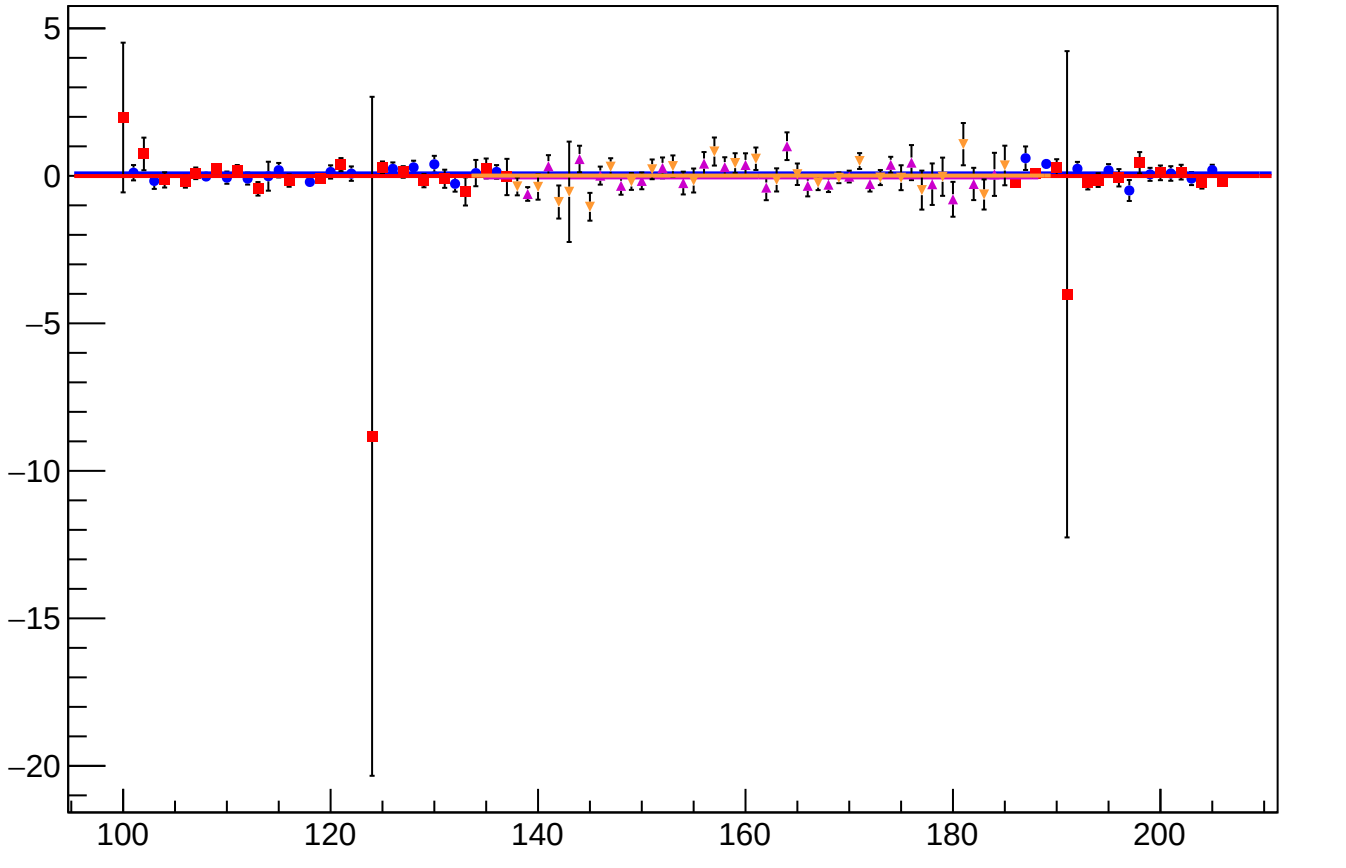
Right Out: 0.008+/-0.000 χ^2/NDF: 6422510.5/30

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 16109152.1/49

All: 0.006+/-0.000 χ^2/NDF: 31129032.0/103

- sign 0.006+/-0.000 χ^2/NDF: 15018604.9/53



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

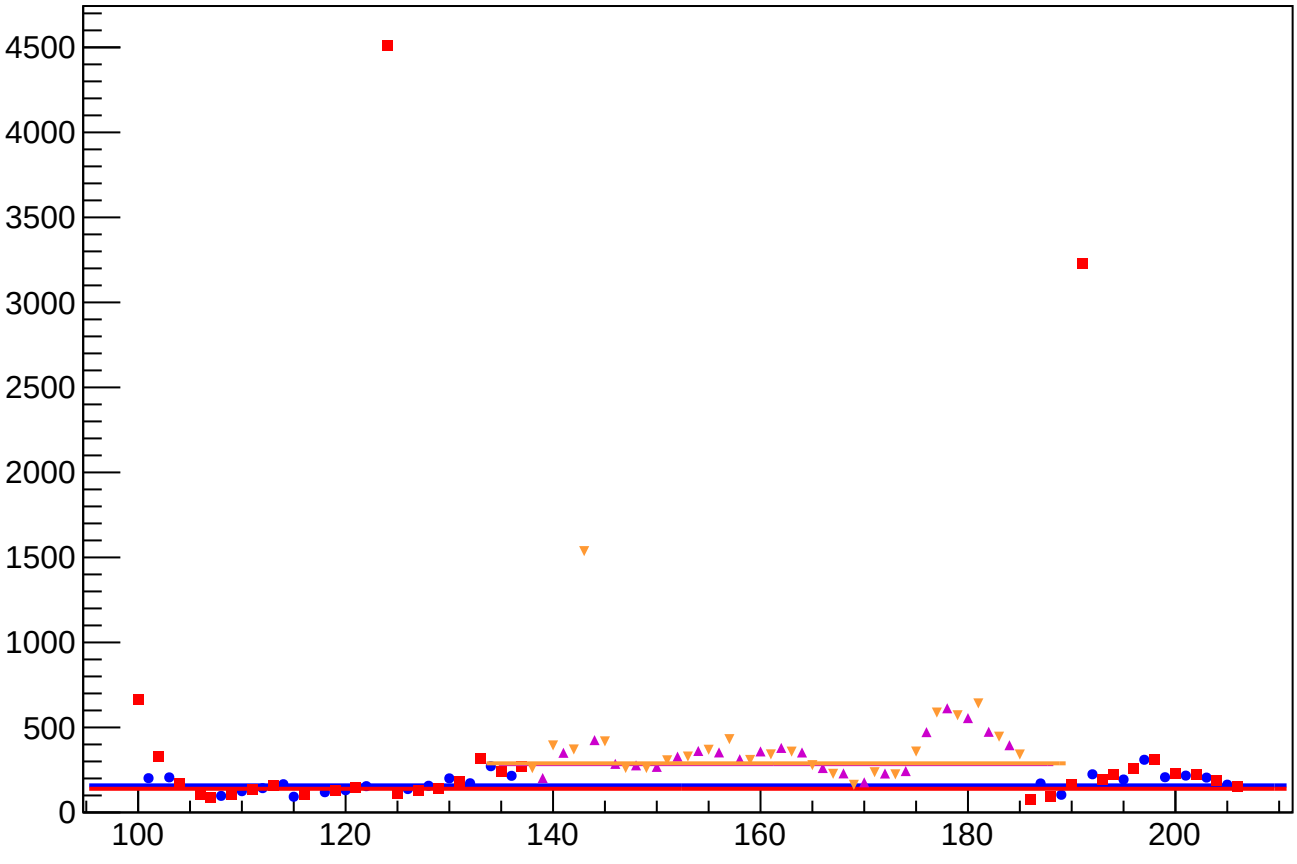
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.017+/-0.025 χ^2/NDF: 113.0/103

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

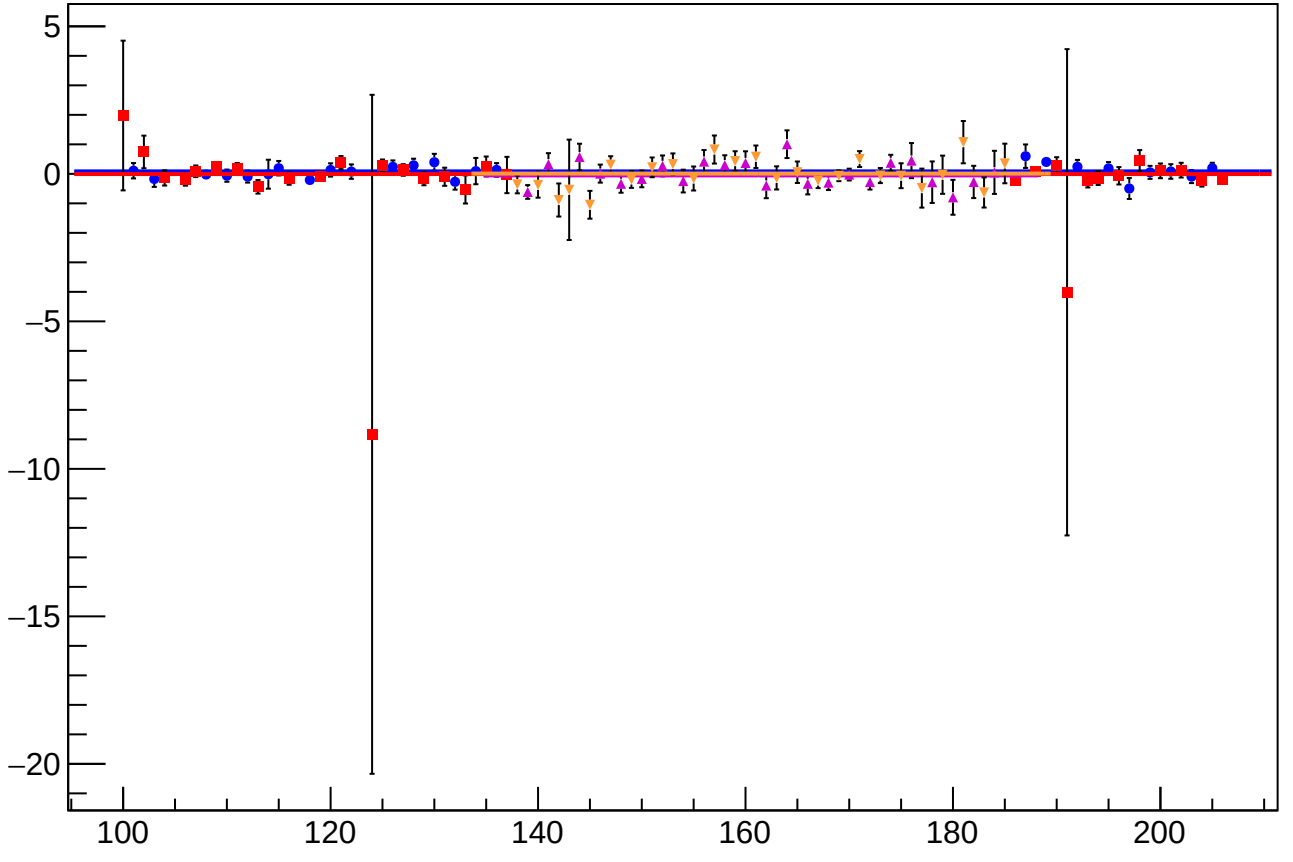
Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.930+/-0.027 χ^2/NDF: 11590069.0/49

All: 183.520+/-0.018 χ^2/NDF: 26285510.5/10

- sign 172.949+/-0.024 χ^2/NDF: 14255580.6/53

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

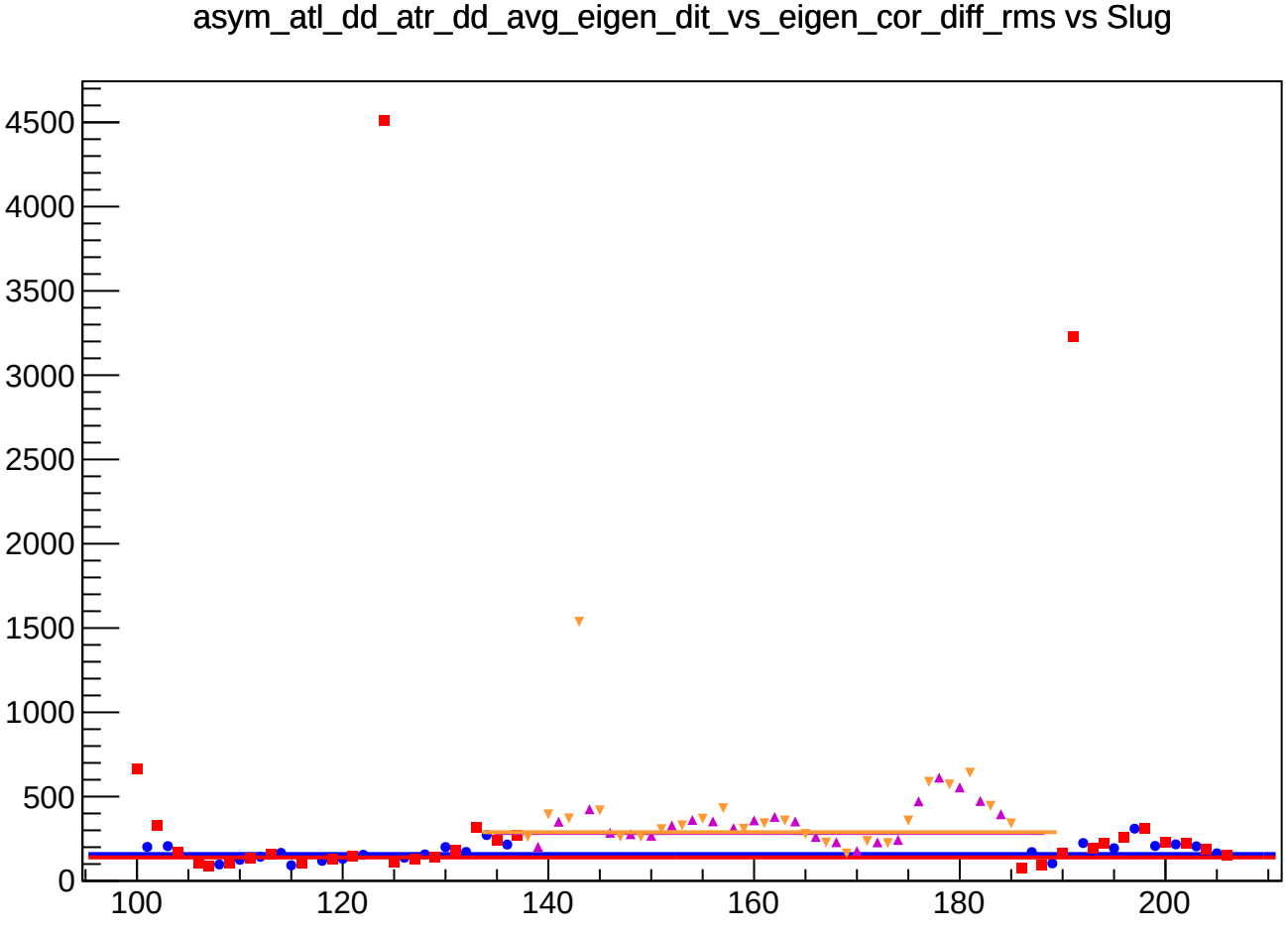
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

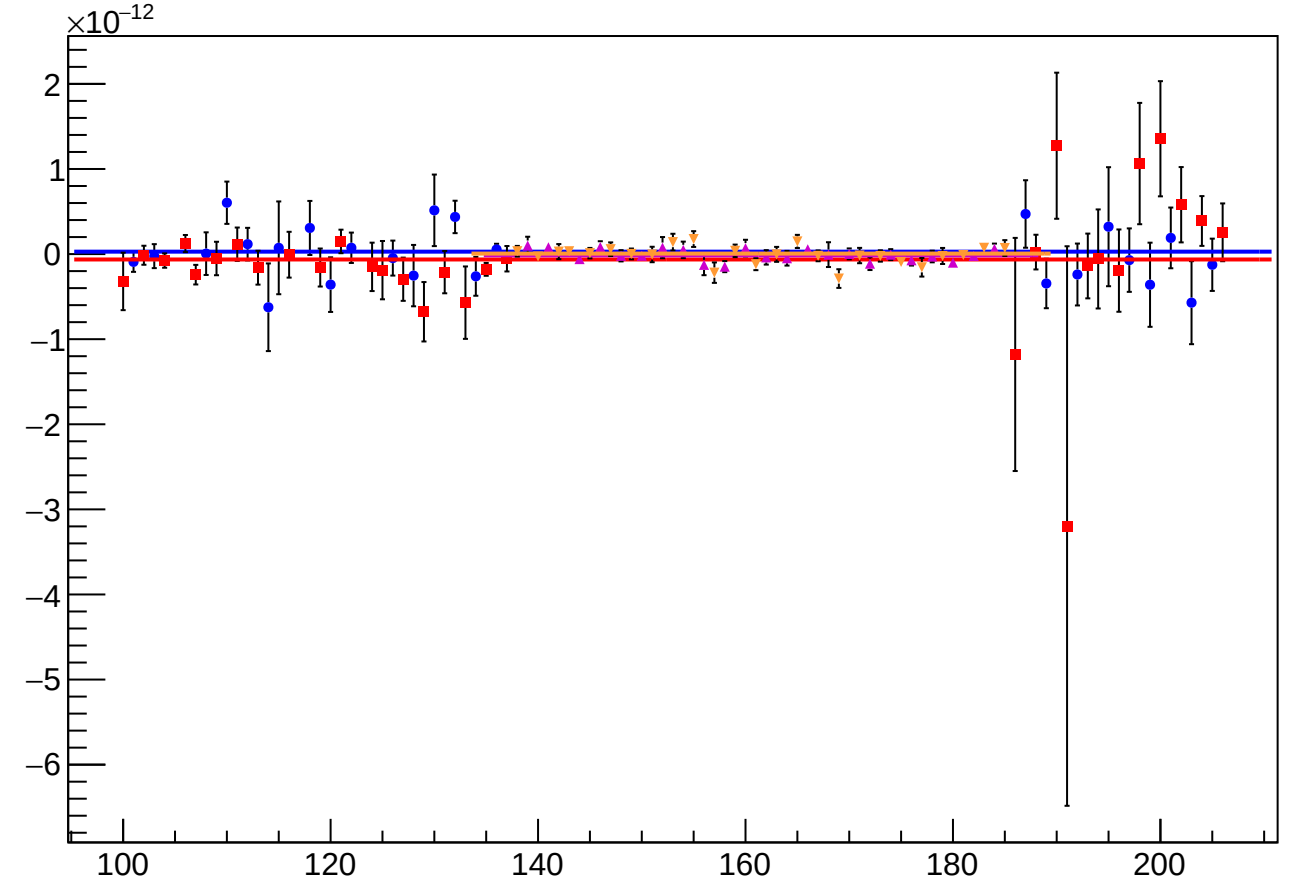
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.017+/-0.025 χ^2/NDF: 113.0/103

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug
4500
4000
3500
3000
2500
2000
1500
1000
500
0
100
120
140
160
180
200
Right In: 159.372+/-0.032 χ²/NDF: 2215913.7/24
Left Out: 288.922+/-0.050 χ²/NDF:4648388.8/24
Right Out: 139.246+/-0.027 χ²/NDF: 4674452.9/30
Left In: 284.170+/-0.050 χ²/NDF:3077626.7/22
+ sign 196.930+/-0.027 χ²/NDF: 11590069.0/49
All: 183.520+/-0.018 χ²/NDF: 26285510.5/10
- sign 172.949+/-0.024 χ²/NDF: 14255580.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

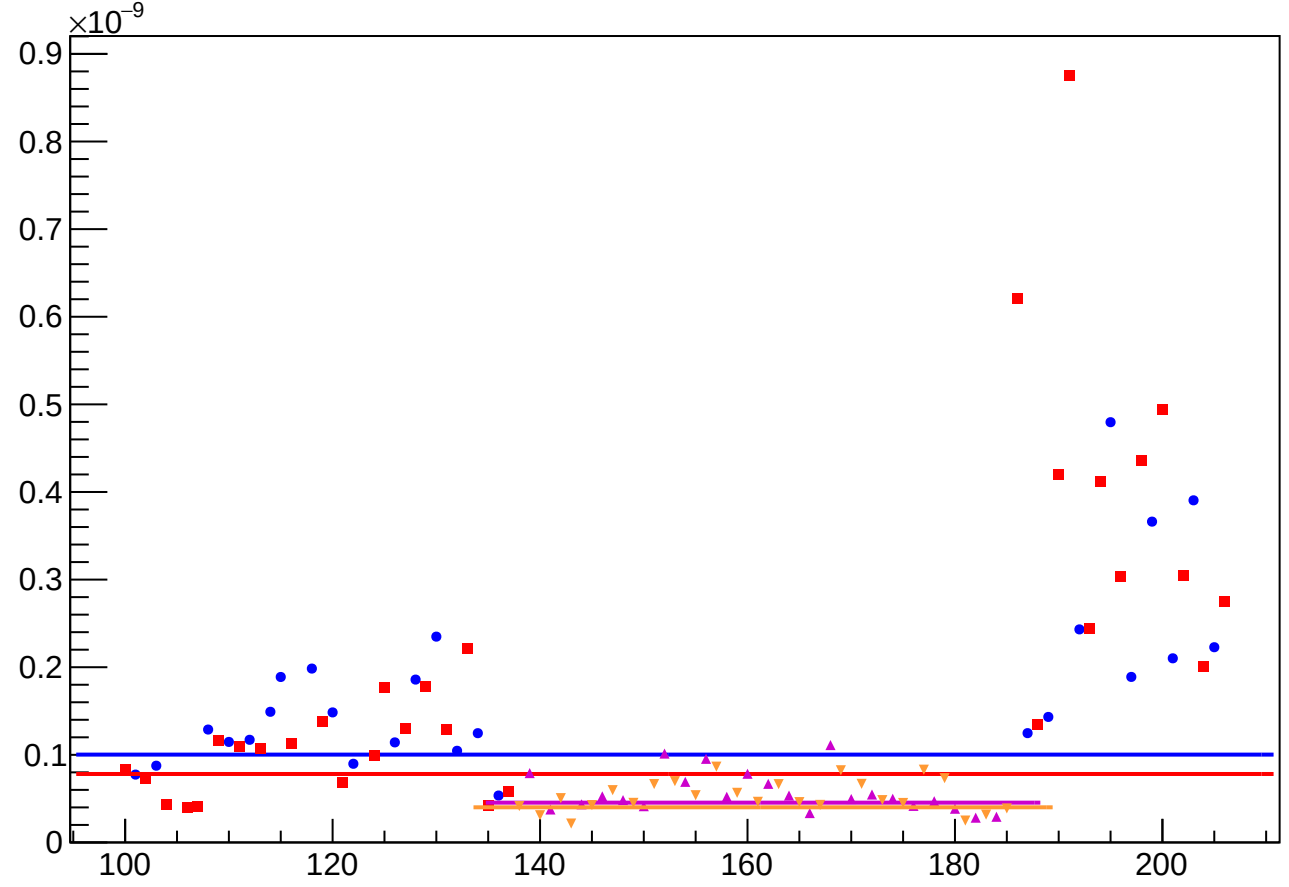
Right Out: -0.000+/-0.000 χ^2/NDF: 35.2/30

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.8/49

All: -0.000+/-0.000 χ^2/NDF: 123.0/103

- sign -0.000+/-0.000 χ^2/NDF: 60.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 4634871.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

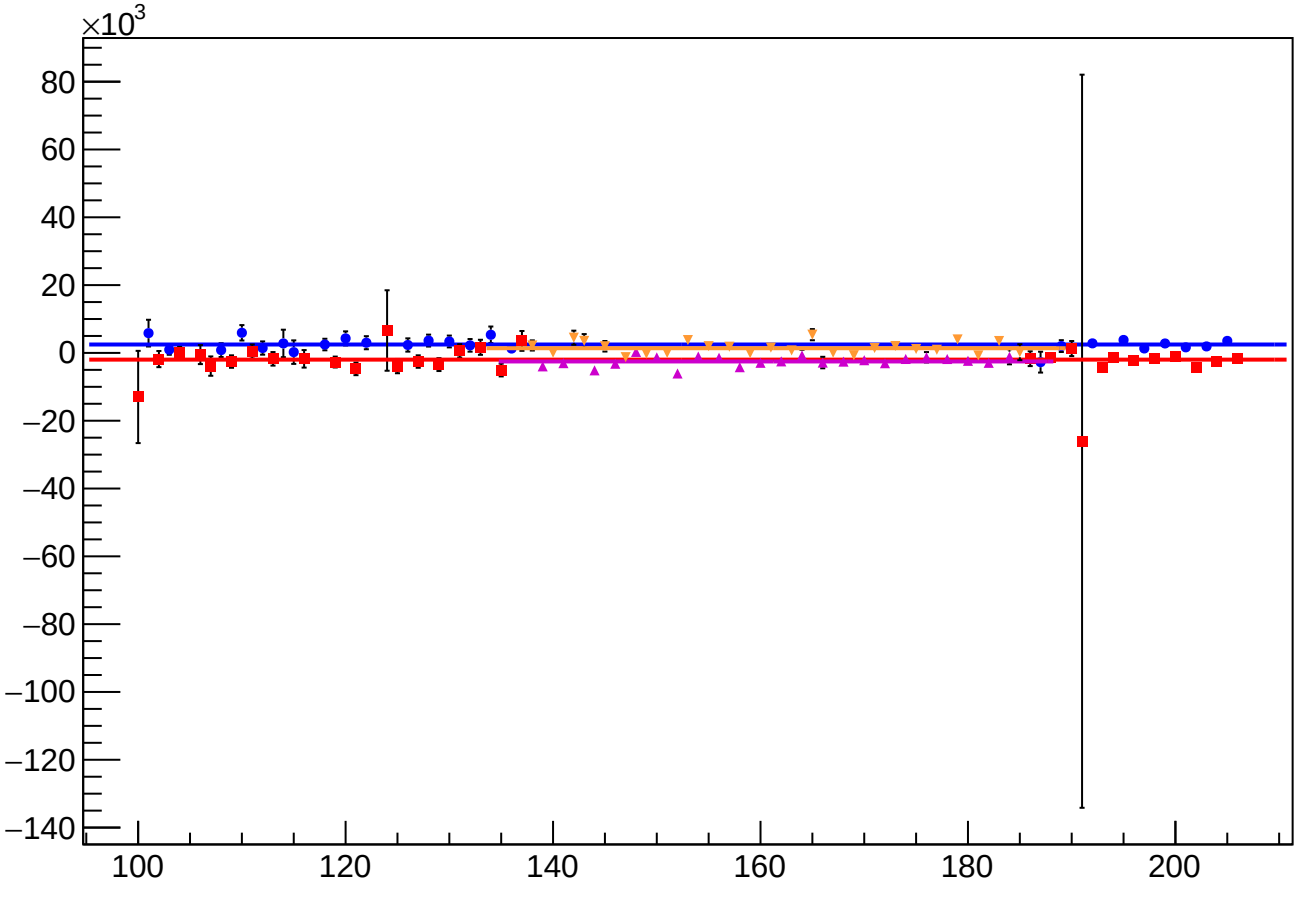
Right Out: 0.000+/-0.000 χ^2/NDF: 7622623.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12283706.2/49

All: 0.000+/-0.000 χ^2/NDF: 24546487.9/103

- sign 0.000+/-0.000 χ^2/NDF: 12090467.6/53



Right In: 2480.791+/-350.196 χ^2/NDF: 14.8/24

Left Out: 1383.252+/-292.777 χ^2/NDF:32.9/24

Right Out: -1979.540+/-328.736 χ^2/NDF: 28.1/30

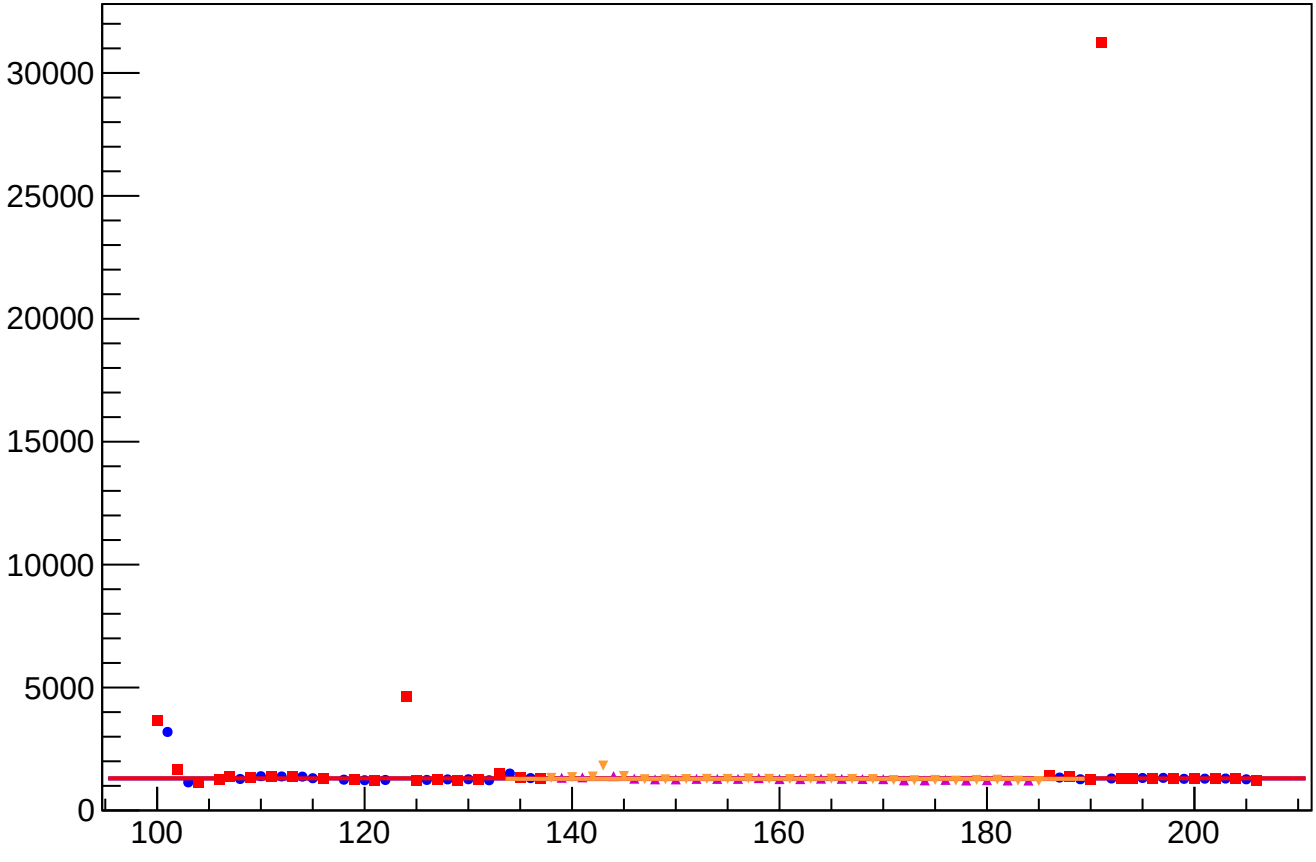
Left In: -2519.365+/-298.095 χ^2/NDF:22.5/22

+ sign 1834.784+/-224.618 χ^2/NDF: 53.5/49

All: -255.498+/-157.471 χ^2/NDF: 275.9/103

- sign -2275.777+/-220.825 χ^2/NDF: 52.1/53

reg_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1301.994+/-0.248 χ^2/NDF: 519973.8/24

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

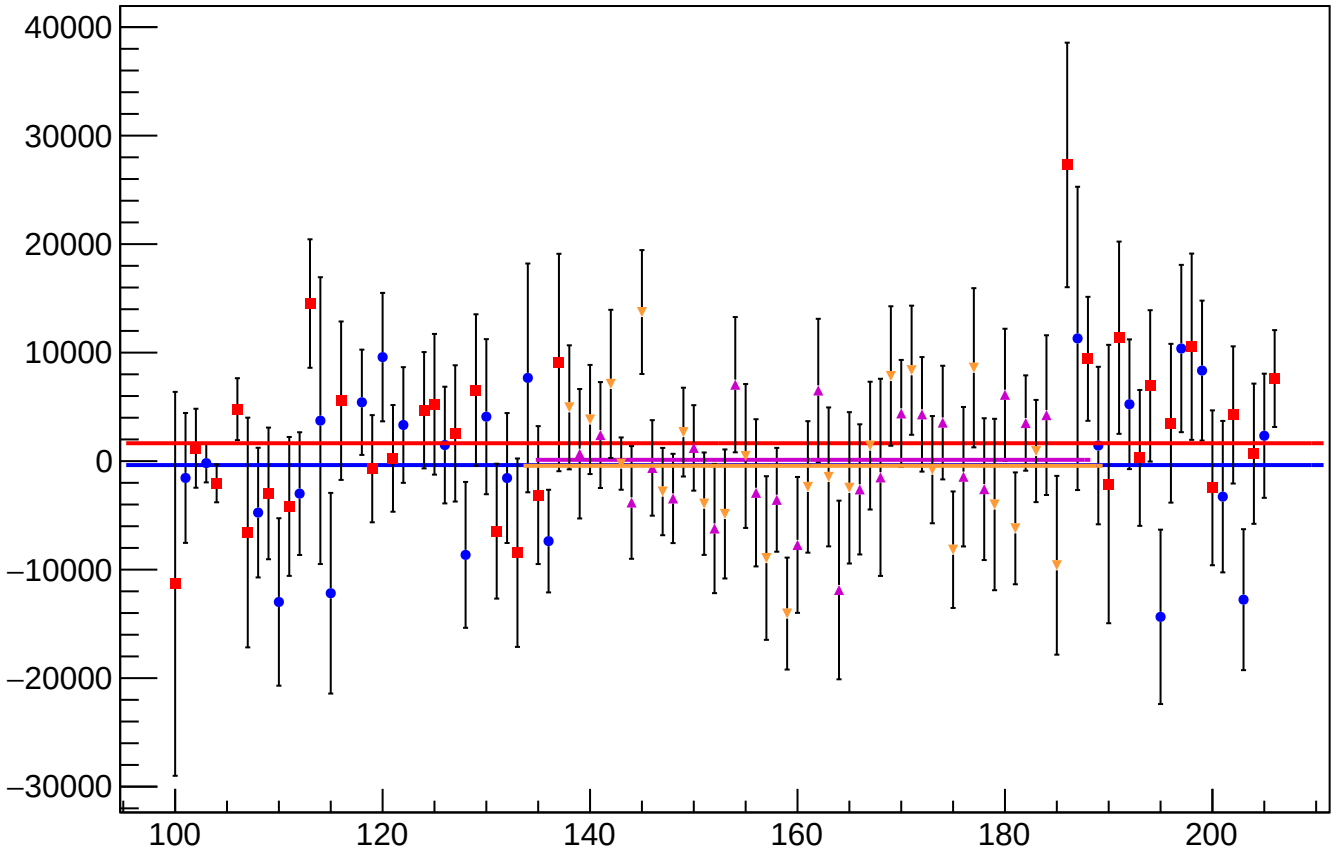
Right Out: 1306.088+/-0.232 χ^2/NDF: 505157.5/30

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.374+/-0.159 χ^2/NDF: 713565.7/49

All: 1290.943+/-0.111 χ^2/NDF: 1269523.9/10

- sign 1289.562+/-0.156 χ^2/NDF: 555798.8/53



Right In: -363.759+/-1062.378 χ^2/NDF: 27.3/24

Left Out: -428.530+/-1038.038 χ^2/NDF:29.8/24

Right Out: 1648.800+/-931.650 χ^2/NDF: 31.3/30

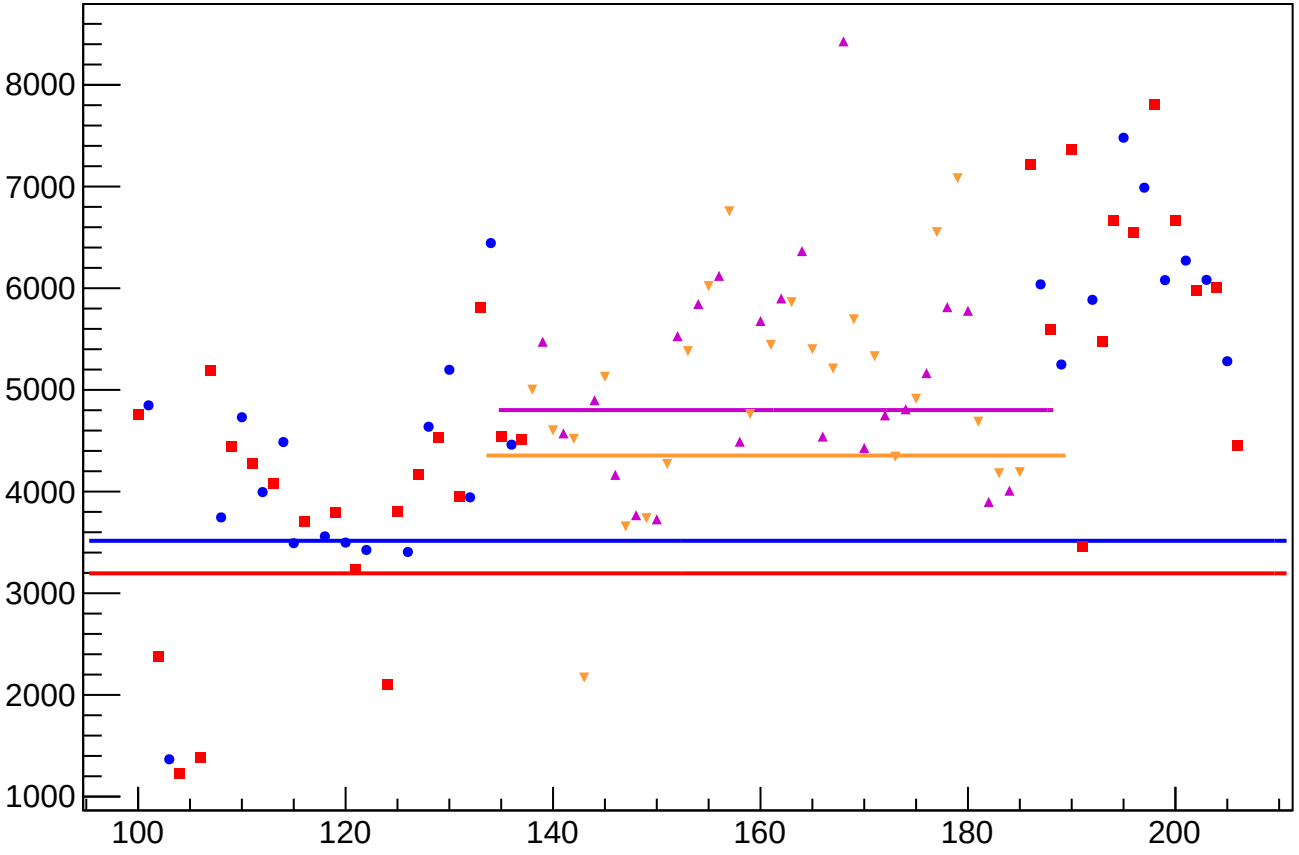
Left In: 119.335+/-1144.695 χ^2/NDF:13.6/22

+ sign -396.895+/-742.460 χ^2/NDF: 57.1/49

All: 340.724+/-517.825 χ^2/NDF: 105.0/103

- sign 1039.365+/-722.577 χ^2/NDF: 46.0/53

asym_atl_avg_atr_avg_avg_reg_correction_rms vs Slug



Right In: 3515.962+/-0.751 χ^2/NDF: 6037240.1/24

Left Out: 4354.526+/-0.734 χ^2/NDF:3071436.3/24

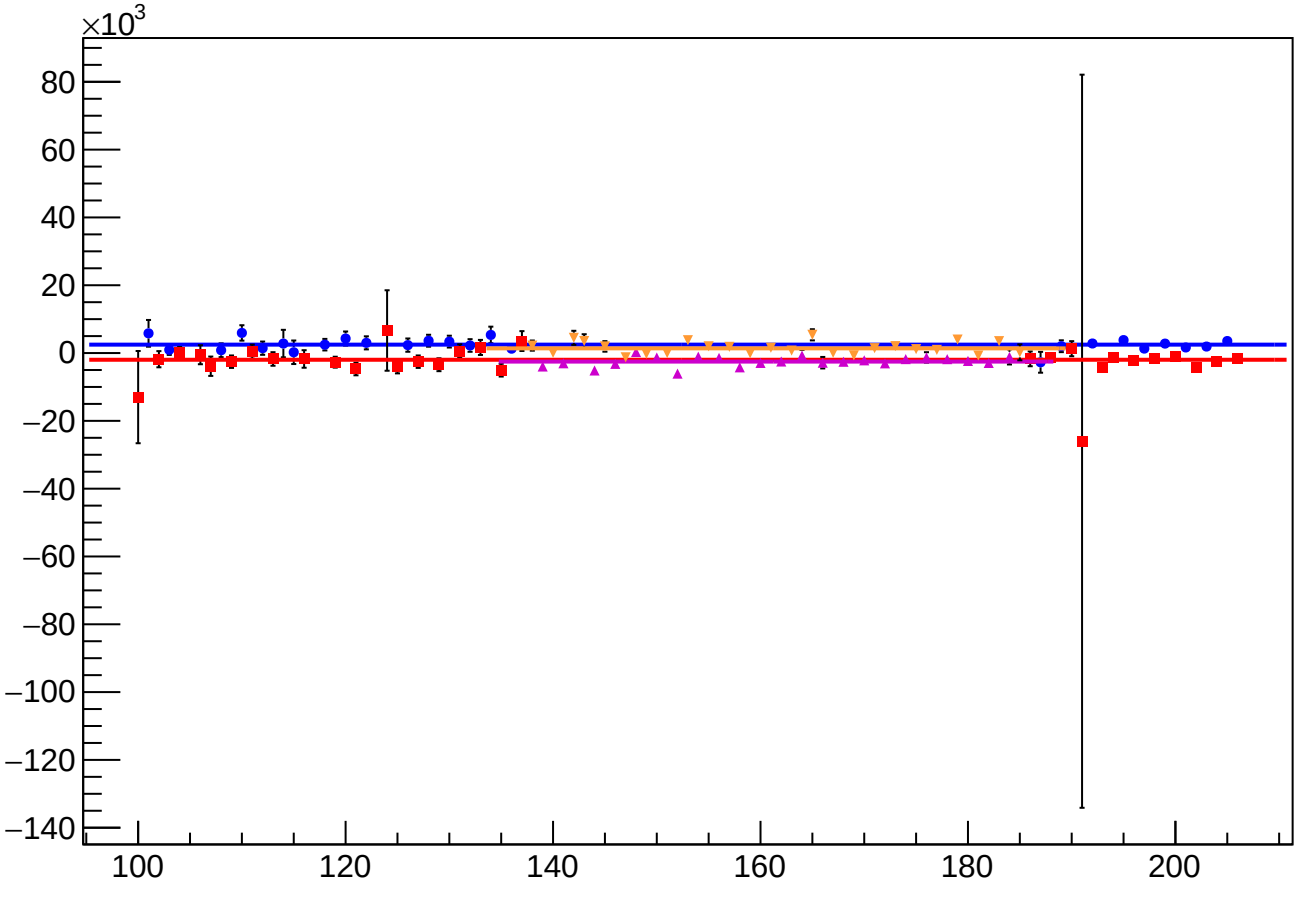
Right Out: 3195.705+/-0.659 χ^2/NDF: 8288001.1/30

Left In: 4801.573+/-0.809 χ^2/NDF:1231883.2/22

+ sign 3944.960+/-0.525 χ^2/NDF: 9746152.7/49

All: 3888.788+/-0.366 χ^2/NDF: 21656060.1/1

- sign 3835.583+/-0.511 χ^2/NDF: 11887616.2/53



Right In: 2480.700+/-350.196 χ^2/NDF: 14.8/24

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1979.426+/-328.736 χ^2/NDF: 28.1/30

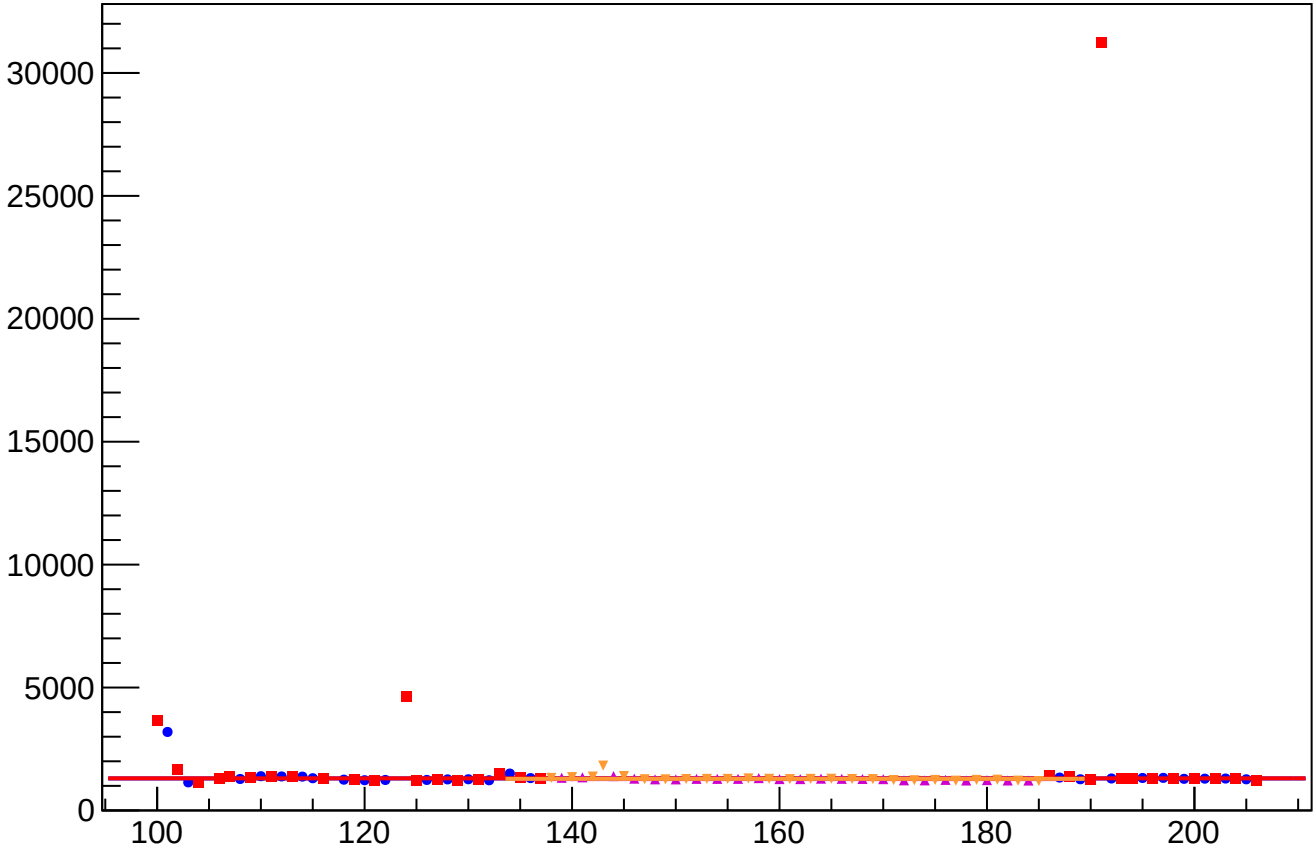
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1834.708+/-224.618 χ^2/NDF: 53.5/49

All: -255.509+/-157.471 χ^2/NDF: 275.9/103

- sign -2275.726+/-220.825 χ^2/NDF: 52.1/53

cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1301.994+/-0.248 χ^2/NDF: 519975.3/24

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

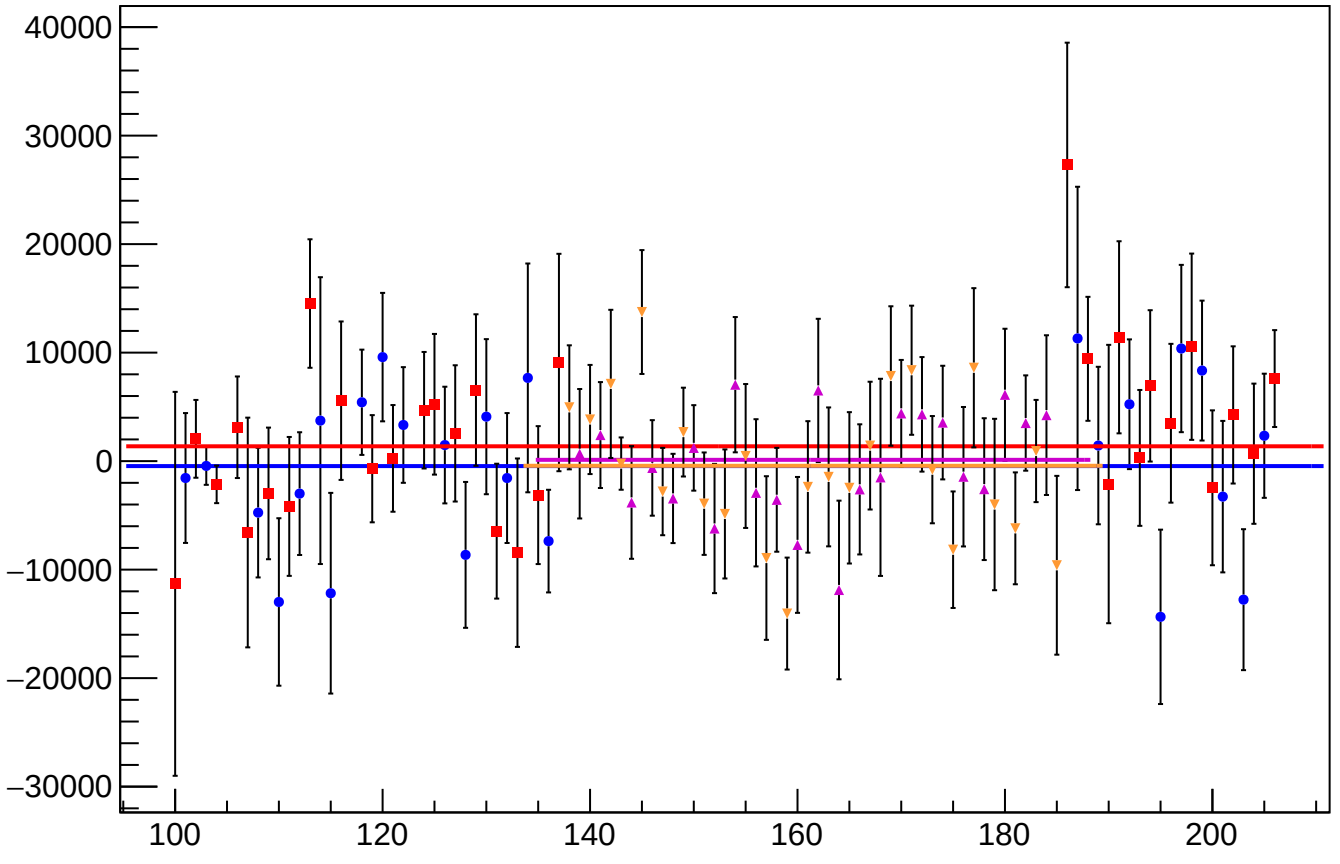
Right Out: 1306.580+/-0.232 χ^2/NDF: 504852.5/30

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.374+/-0.159 χ^2/NDF: 713567.1/49

All: 1291.054+/-0.111 χ^2/NDF: 1269497.6/10

- sign 1289.779+/-0.156 χ^2/NDF: 555794.7/53



Right In: -457.077+/-1054.990 χ^2/NDF: 27.2/24

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

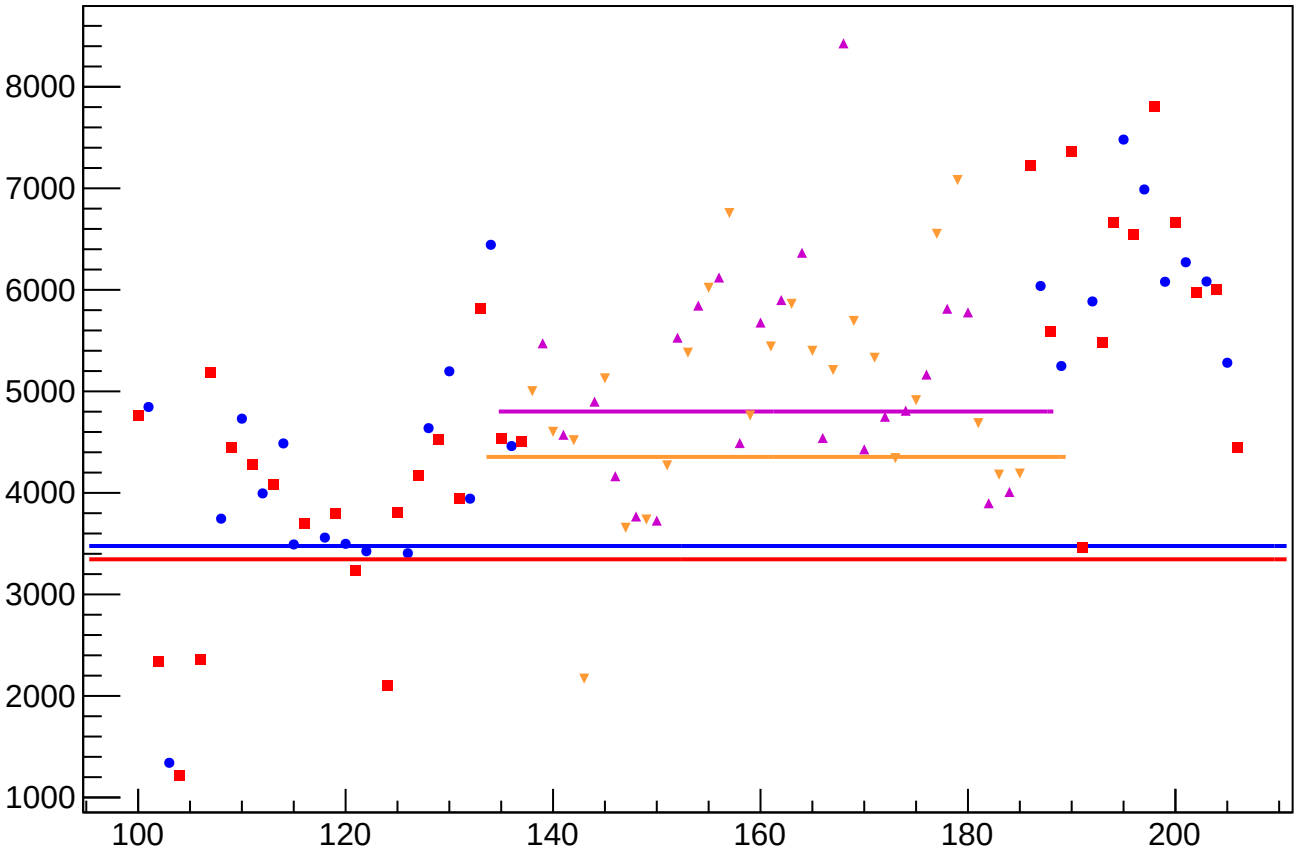
Right Out: 1367.074+/-960.666 χ^2/NDF: 30.4/30

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -442.570+/-739.924 χ^2/NDF: 57.1/49

All: 207.990+/-521.764 χ^2/NDF: 103.3/103

- sign 851.430+/-735.864 χ^2/NDF: 44.7/53



Right In: 3476.927+/-0.746 χ^2/NDF: 6221183.9/24

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

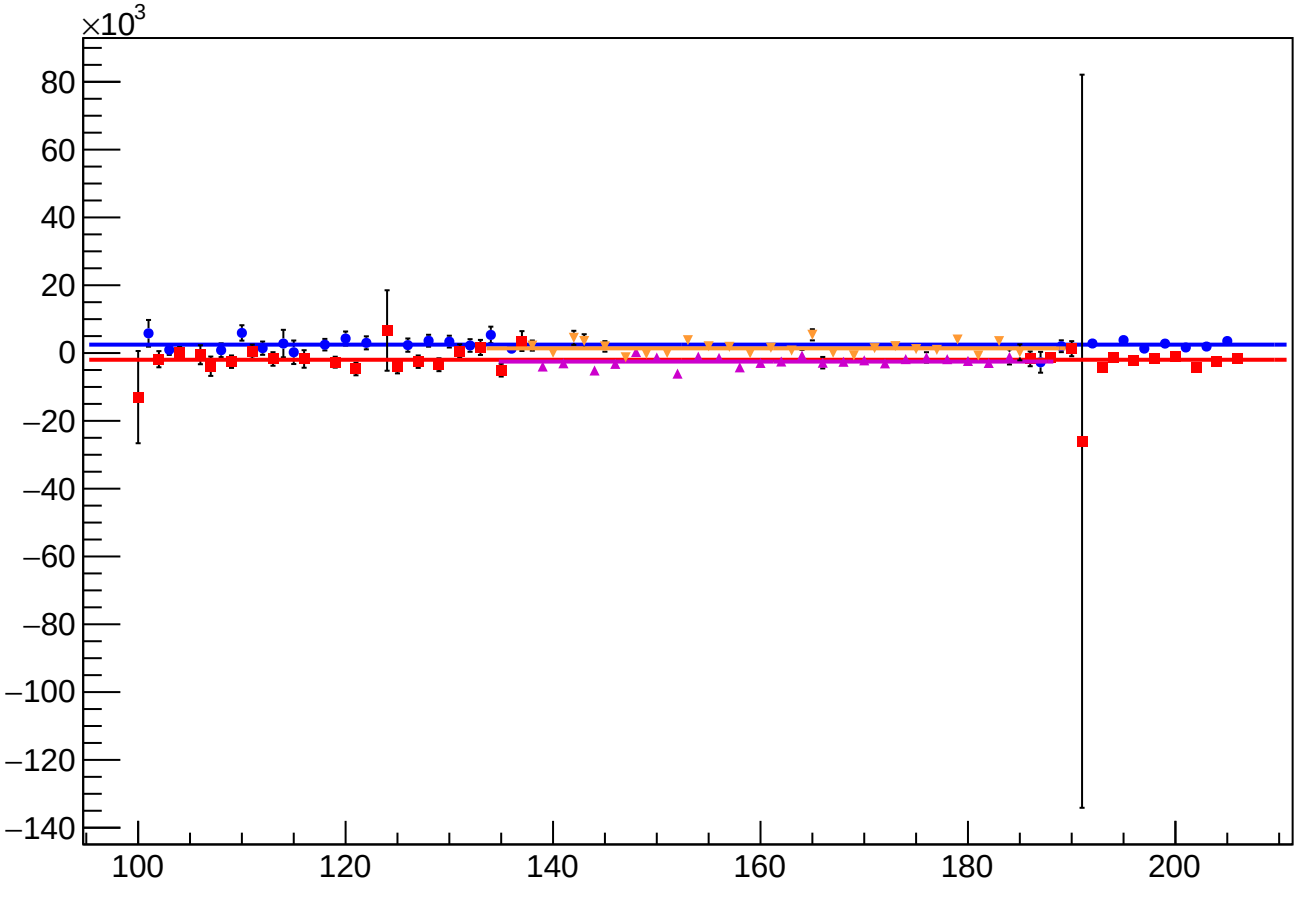
Right Out: 3345.946+/-0.679 χ^2/NDF: 7591603.4/30

Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

\+ sign 3922.827+/-0.523 χ^2/NDF: 9995881.0/49

All: 3935.225+/-0.369 χ^2/NDF: 20718076.2/1

\- sign 3947.487+/-0.520 χ^2/NDF: 10721078.5/53



Right In: 2480.700+/-350.196 χ^2/NDF: 14.8/24

Left Out: 1383.188+/-292.777 χ^2/NDF:32.9/24

Right Out: -1979.426+/-328.736 χ^2/NDF: 28.1/30

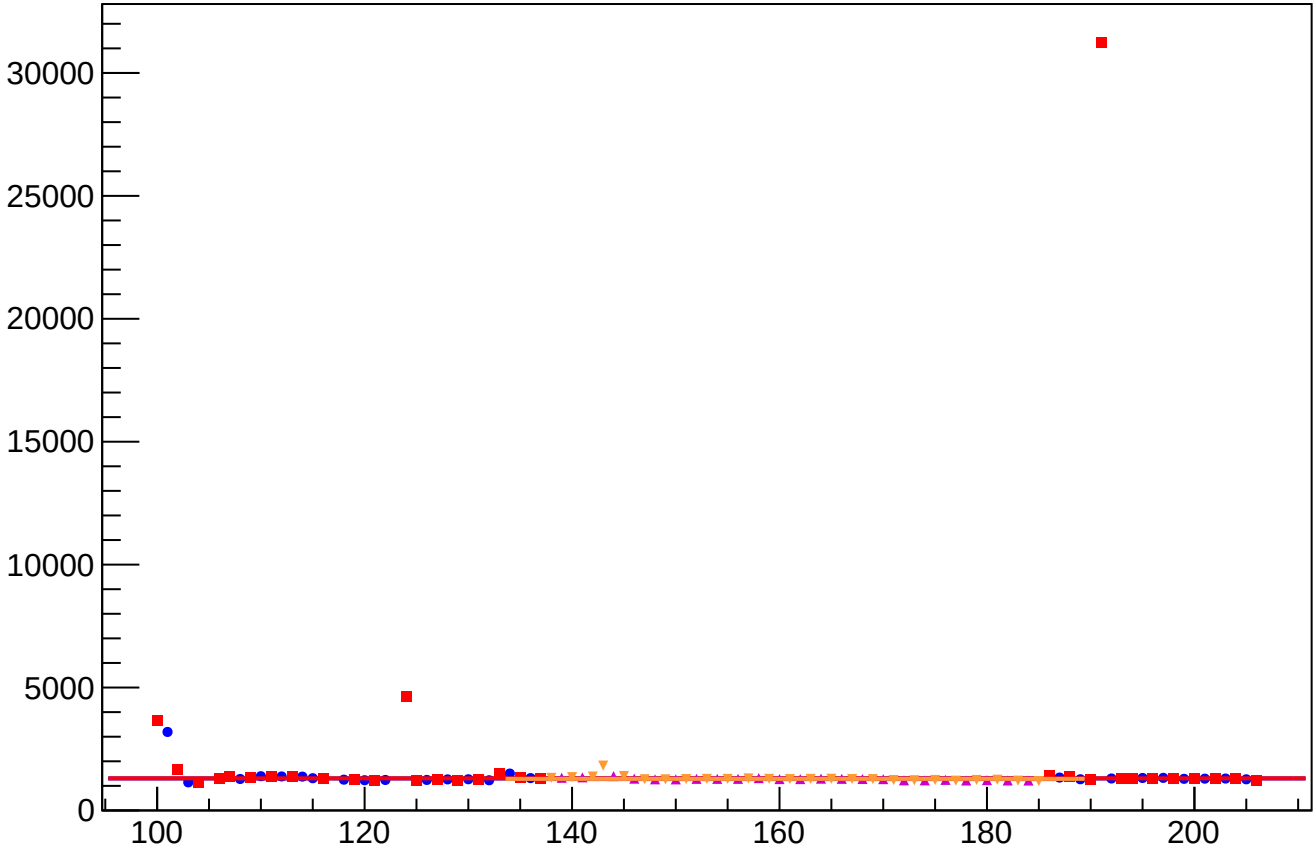
Left In: -2519.366+/-298.095 χ^2/NDF:22.5/22

+ sign 1834.708+/-224.618 χ^2/NDF: 53.5/49

All: -255.509+/-157.471 χ^2/NDF: 275.9/103

- sign -2275.726+/-220.825 χ^2/NDF: 52.1/53

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1301.994+/-0.248 χ^2/NDF: 519975.3/24

Left Out: 1285.649+/-0.207 χ^2/NDF:191027.3/24

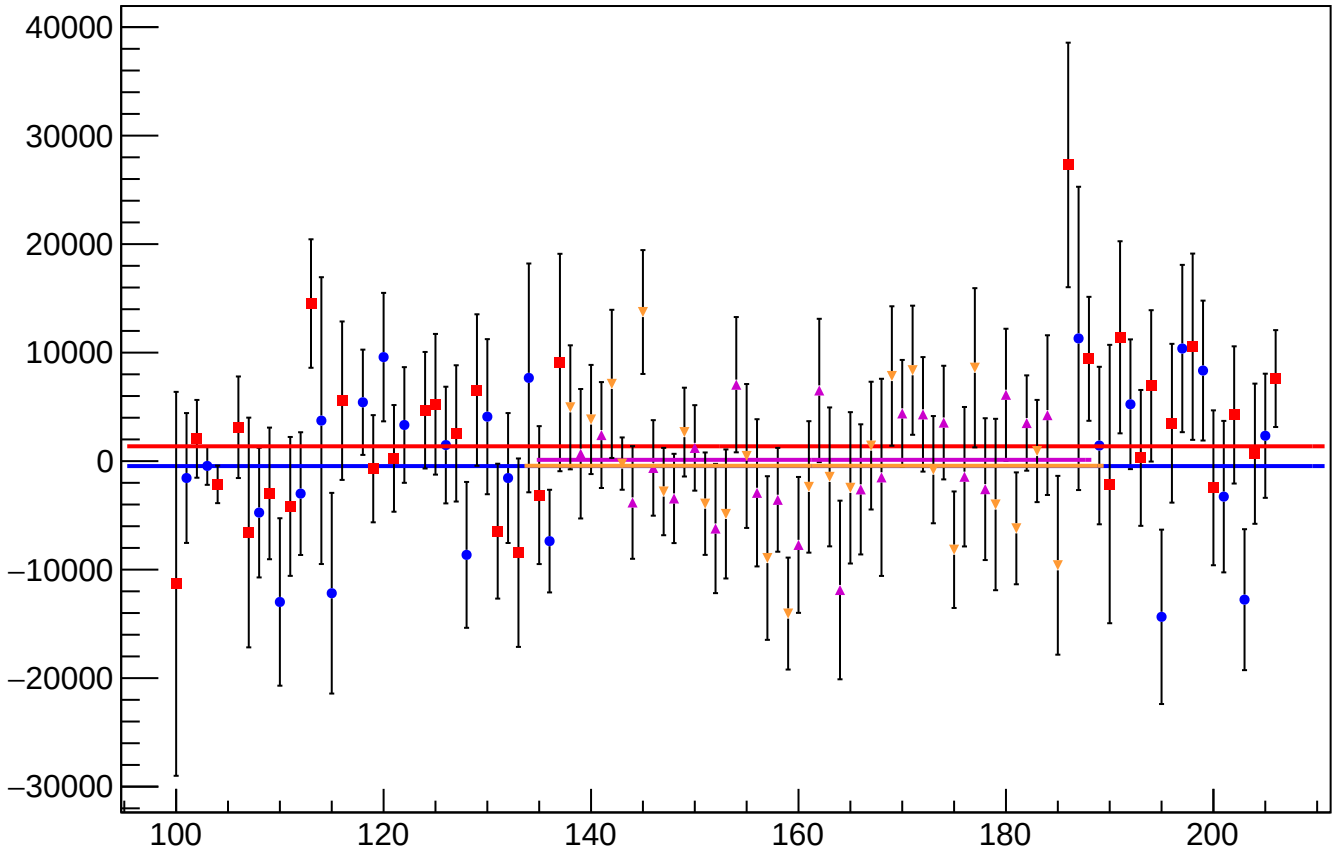
Right Out: 1306.580+/-0.232 χ^2/NDF: 504852.5/30

Left In: 1275.941+/-0.211 χ^2/NDF:41399.0/22

+ sign 1292.374+/-0.159 χ^2/NDF: 713567.1/49

All: 1291.054+/-0.111 χ^2/NDF: 1269497.6/10

- sign 1289.779+/-0.156 χ^2/NDF: 555794.7/53



Right In: -457.077+/-1054.990 χ^2/NDF: 27.2/24

Left Out: -428.525+/-1038.036 χ^2/NDF:29.8/24

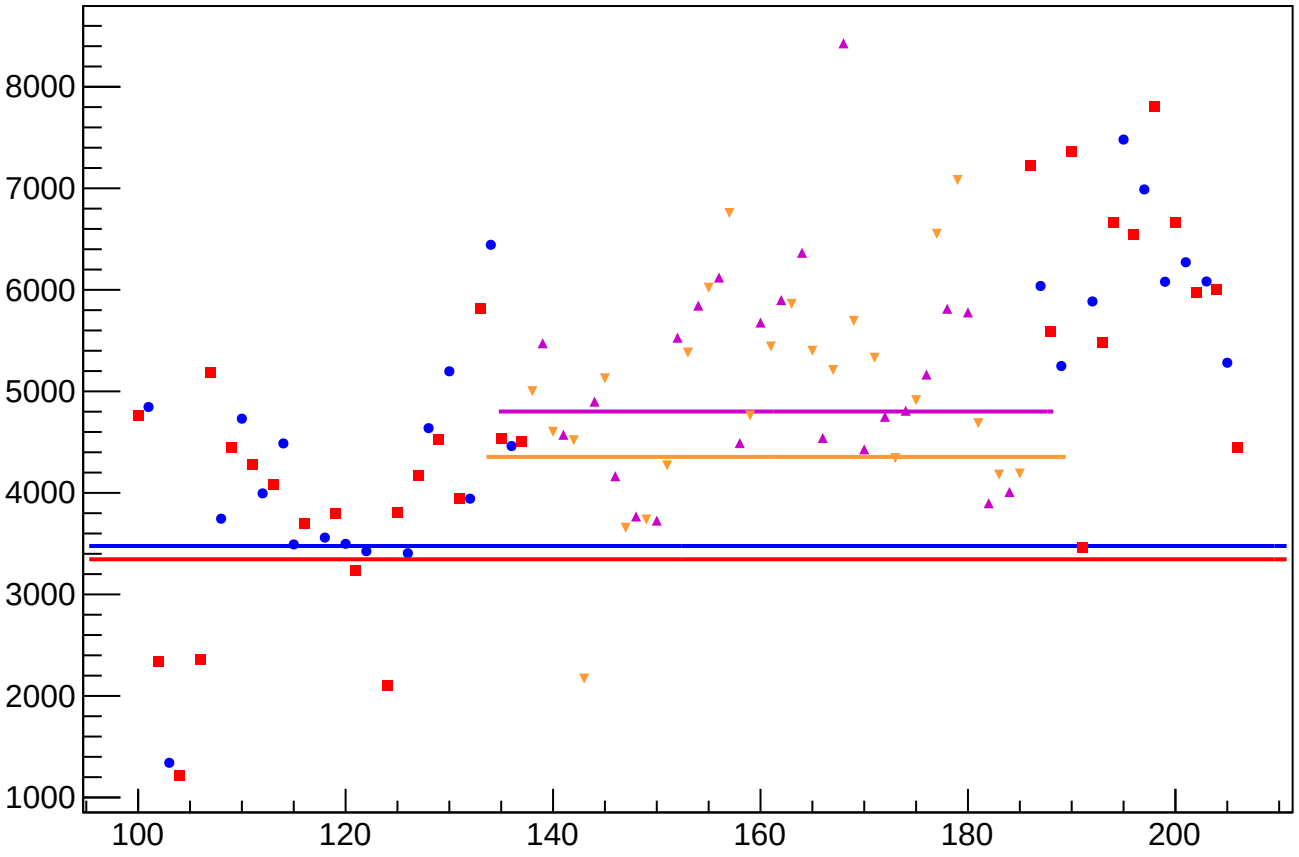
Right Out: 1367.074+/-960.666 χ^2/NDF: 30.4/30

Left In: 119.307+/-1144.695 χ^2/NDF:13.6/22

+ sign -442.570+/-739.924 χ^2/NDF: 57.1/49

All: 207.990+/-521.764 χ^2/NDF: 103.3/103

- sign 851.430+/-735.864 χ^2/NDF: 44.7/53



Right In: 3476.927+/-0.746 χ^2/NDF: 6221183.9/24

Left Out: 4354.511+/-0.734 χ^2/NDF:3071528.5/24

Right Out: 3345.946+/-0.679 χ^2/NDF: 7591603.4/30

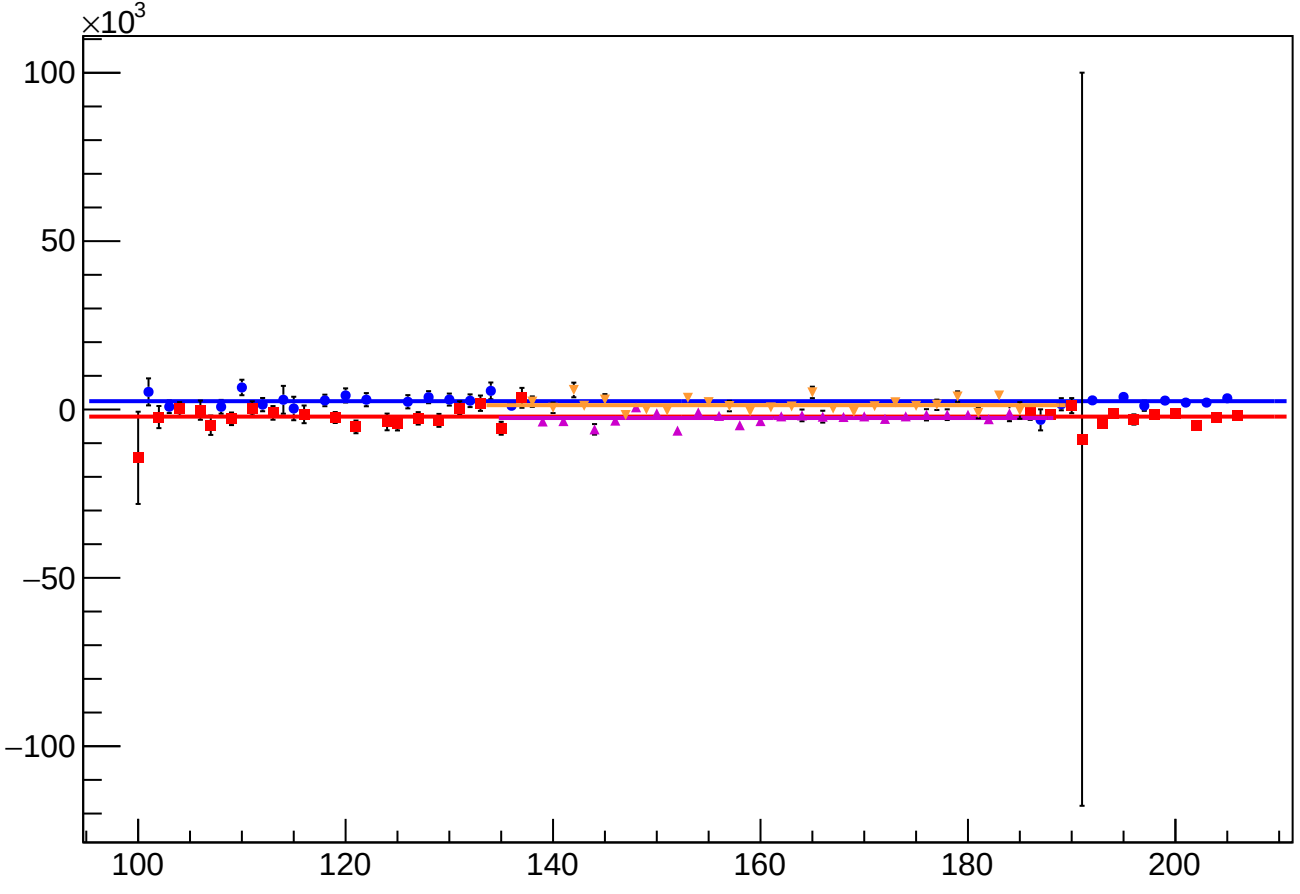
Left In: 4801.570+/-0.809 χ^2/NDF:1231894.6/22

\+ sign 3922.827+/-0.523 χ^2/NDF: 9995881.0/49

All: 3935.225+/-0.369 χ^2/NDF: 20718076.2/1

\- sign 3947.487+/-0.520 χ^2/NDF: 10721078.5/53

dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2473.234+/-360.595 χ^2/NDF: 14.9/24

Left Out: 1284.422+/-300.530 χ^2/NDF:33.4/24

Right Out: -2109.419+/-336.048 χ^2/NDF: 29.8/30

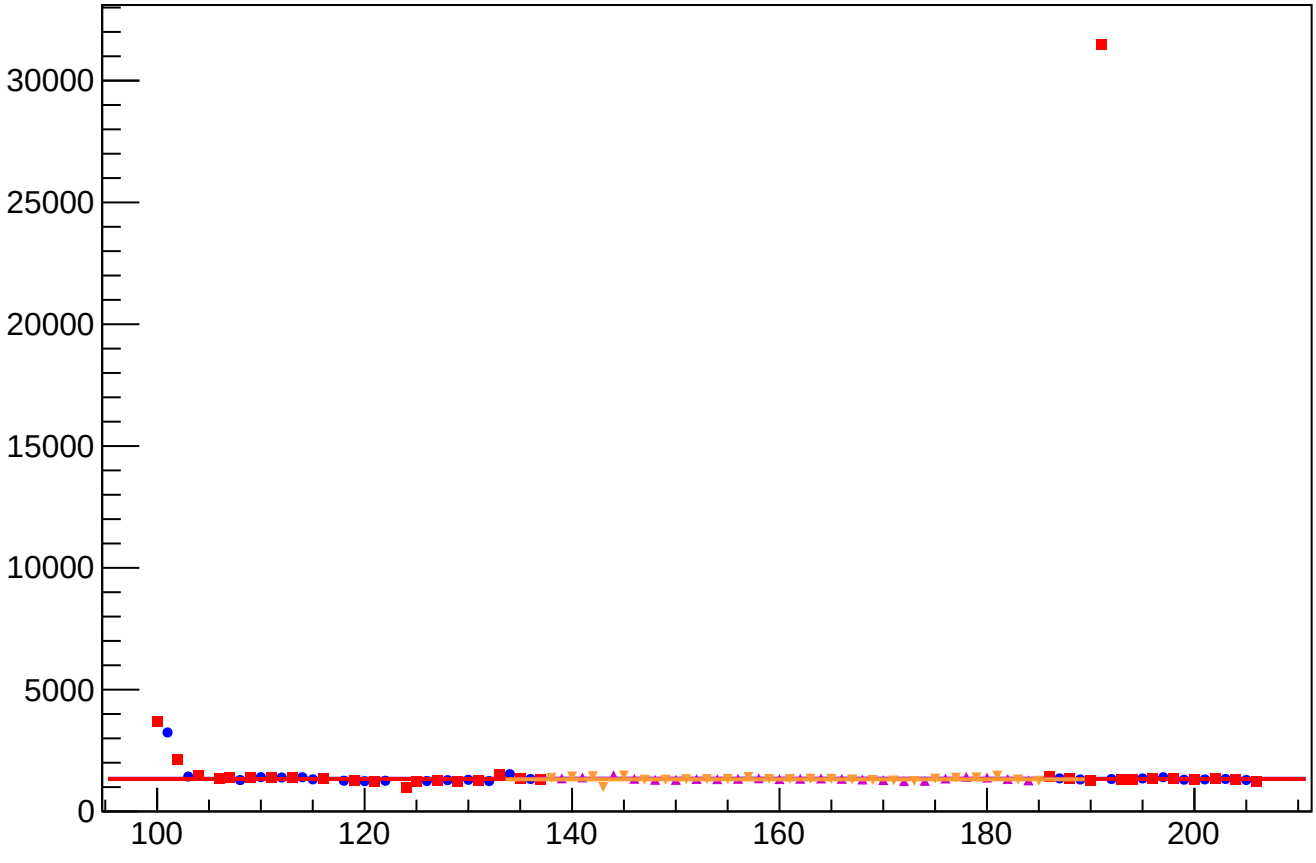
Left In: -2531.791+/-312.886 χ^2/NDF:25.0/22

+ sign 1771.704+/-230.863 χ^2/NDF: 54.7/49

All: -298.662+/-162.580 χ^2/NDF: 269.9/103

- sign -2335.661+/-228.995 χ^2/NDF: 55.6/53

dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1340.559+/-0.255 χ^2/NDF: 503690.2/24

Left Out: 1318.174+/-0.213 χ^2/NDF:248547.7/24

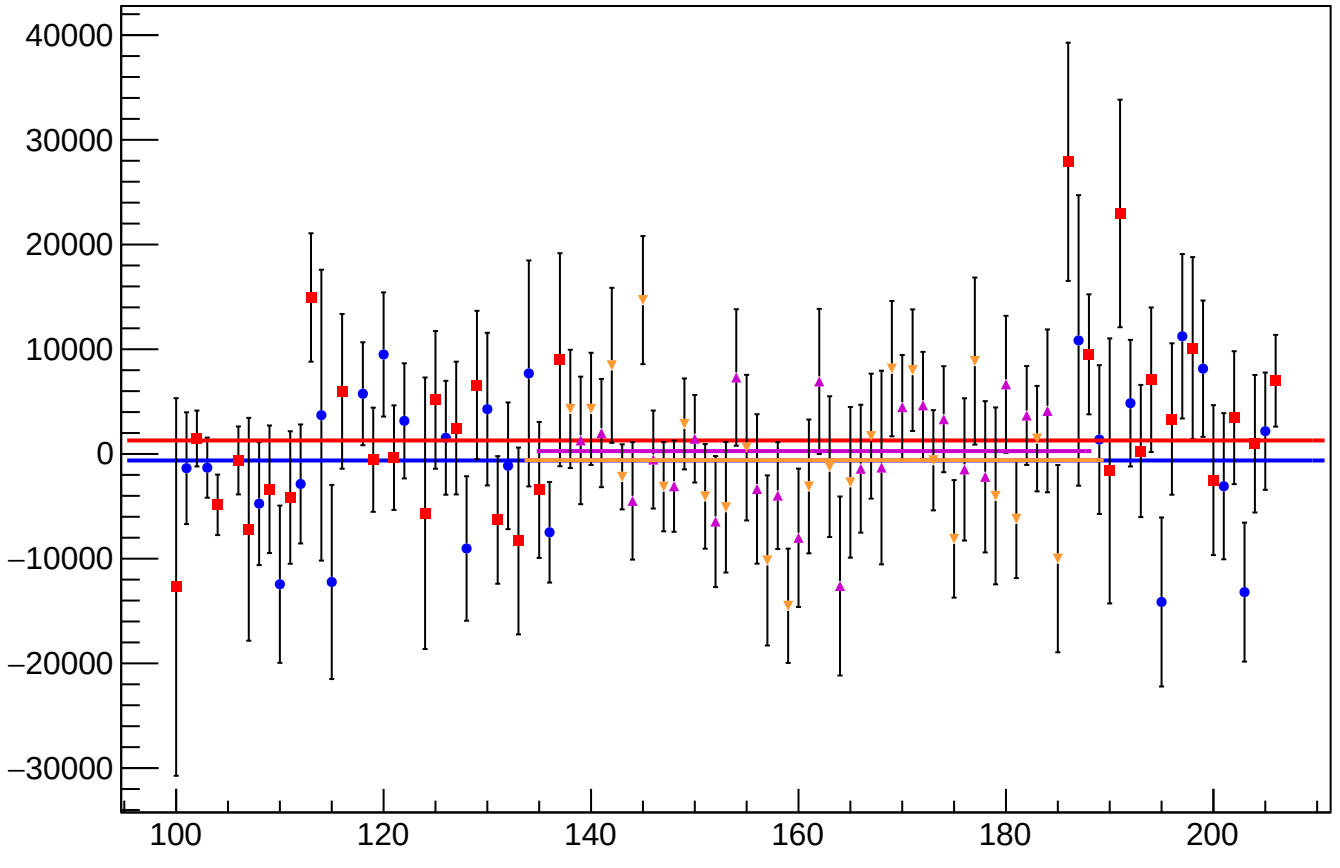
Right Out: 1333.528+/-0.238 χ^2/NDF: 447623.1/30

Left In: 1338.602+/-0.221 χ^2/NDF:54248.5/22

+ sign 1327.349+/-0.163 χ^2/NDF: 756785.8/49

All: 1331.834+/-0.115 χ^2/NDF: 1260398.8/10

- sign 1336.246+/-0.162 χ^2/NDF: 502115.9/53



Right In: -623.125+/-1204.179 χ^2/NDF: 27.1/24

Left Out: -594.916+/-1122.287 χ^2/NDF:29.5/24

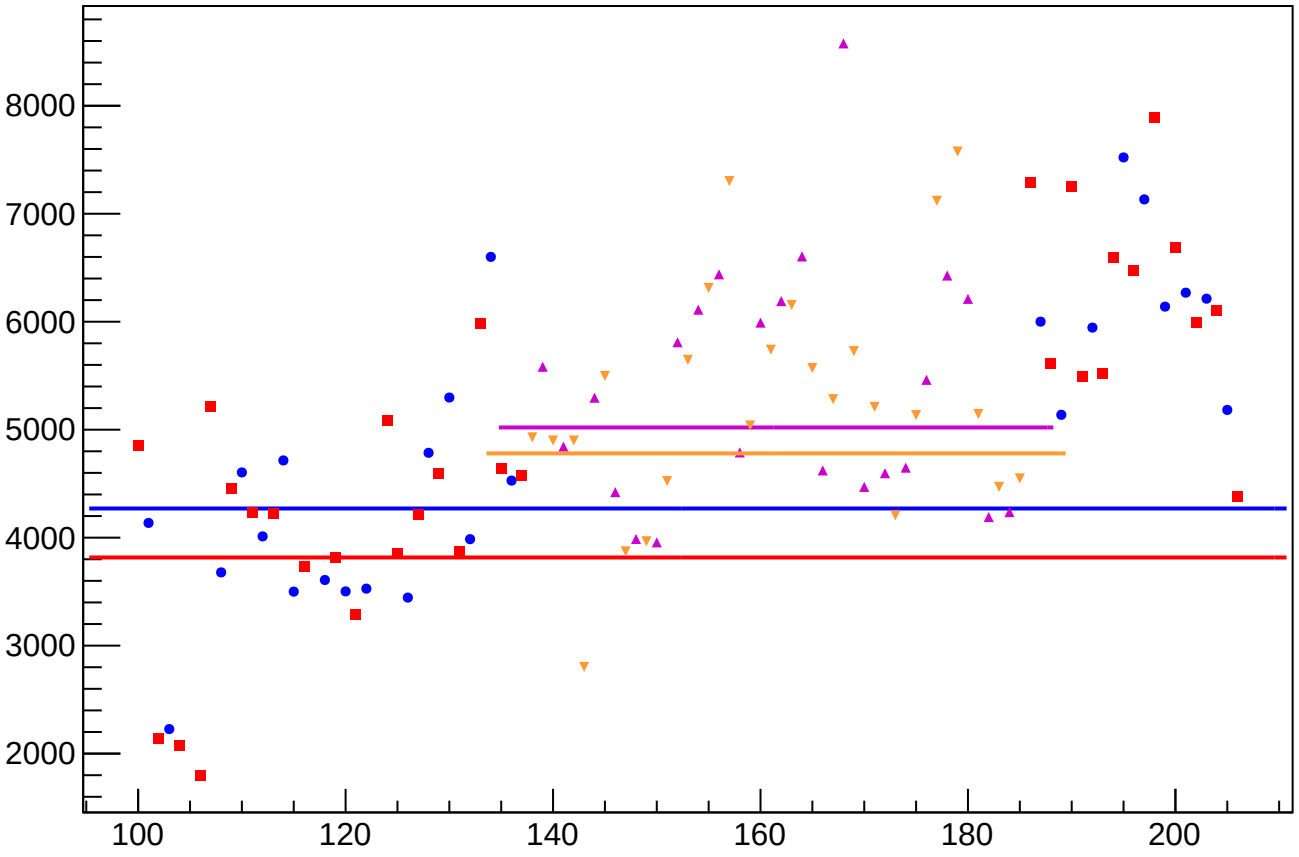
Right Out: 1289.807+/-1030.028 χ^2/NDF: 33.6/30

Left In: 272.915+/-1196.804 χ^2/NDF:13.4/22

+ sign -608.029+/-821.002 χ^2/NDF: 56.6/49

All: 161.374+/-565.750 χ^2/NDF: 105.7/103

- sign 857.095+/-780.702 χ^2/NDF: 47.4/53



Right In: 4270.097+/-0.851 χ^2/NDF: 2724938.8/24

Left Out: 4780.396+/-0.794 χ^2/NDF:2006245.3/24

Right Out: 3816.517+/-0.728 χ^2/NDF: 5201996.6/30

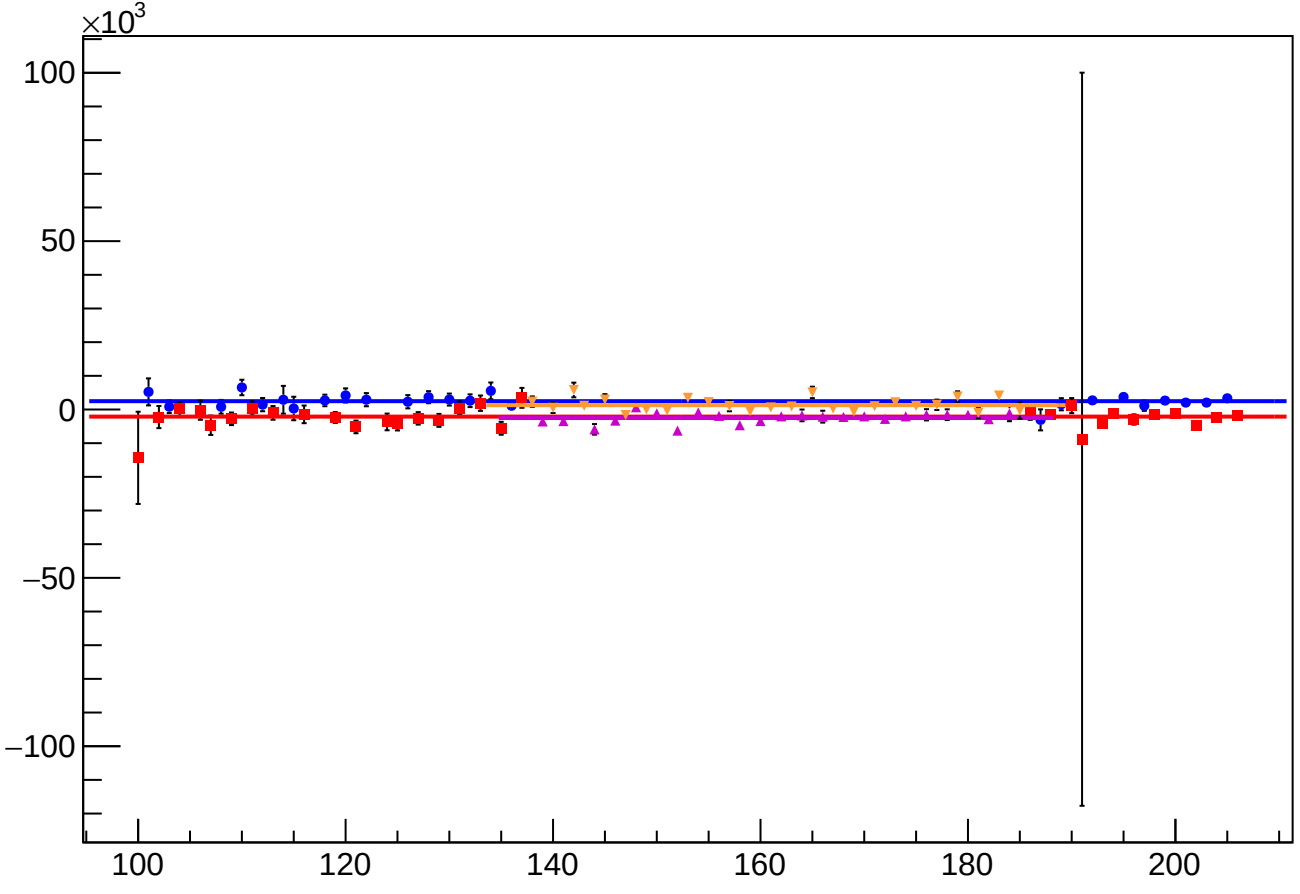
Left In: 5020.560+/-0.846 χ^2/NDF:1225091.9/22

+ sign 4543.187+/-0.581 χ^2/NDF: 4923395.1/49

All: 4430.637+/-0.400 χ^2/NDF: 12584949.9/1

- sign 4328.866+/-0.552 χ^2/NDF: 7589981.6/53

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2473.231+/-360.595 χ^2/NDF: 14.9/24

Left Out: 1284.416+/-300.530 χ^2/NDF:33.4/24

Right Out: -2109.417+/-336.047 χ^2/NDF: 29.8/30

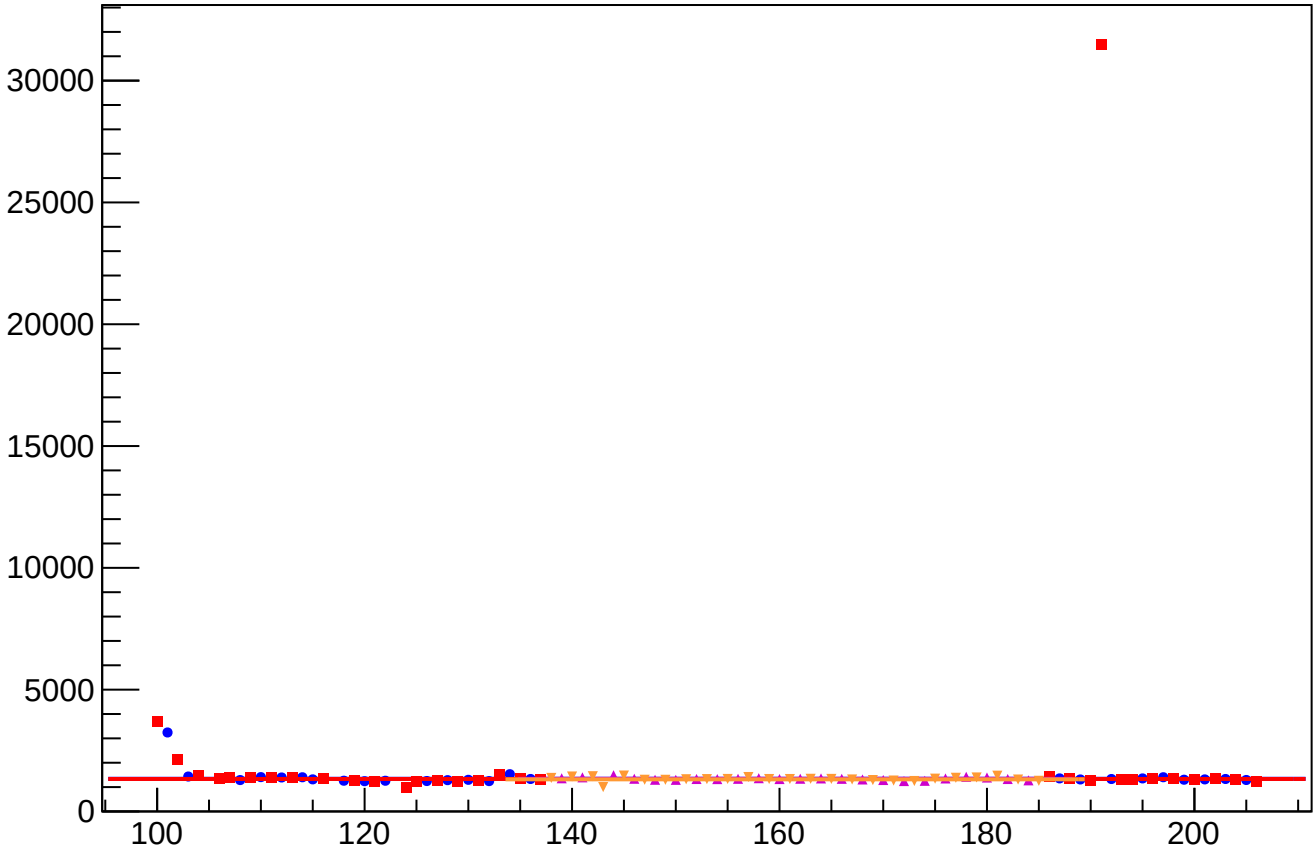
Left In: -2531.791+/-312.887 χ^2/NDF:25.0/22

+ sign 1771.700+/-230.863 χ^2/NDF: 54.7/49

All: -298.663+/-162.580 χ^2/NDF: 269.9/103

- sign -2335.660+/-228.995 χ^2/NDF: 55.6/53

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 1340.558+/-0.255 χ^2/NDF: 503690.5/24

Left Out: 1318.176+/-0.213 χ^2/NDF:248550.2/24

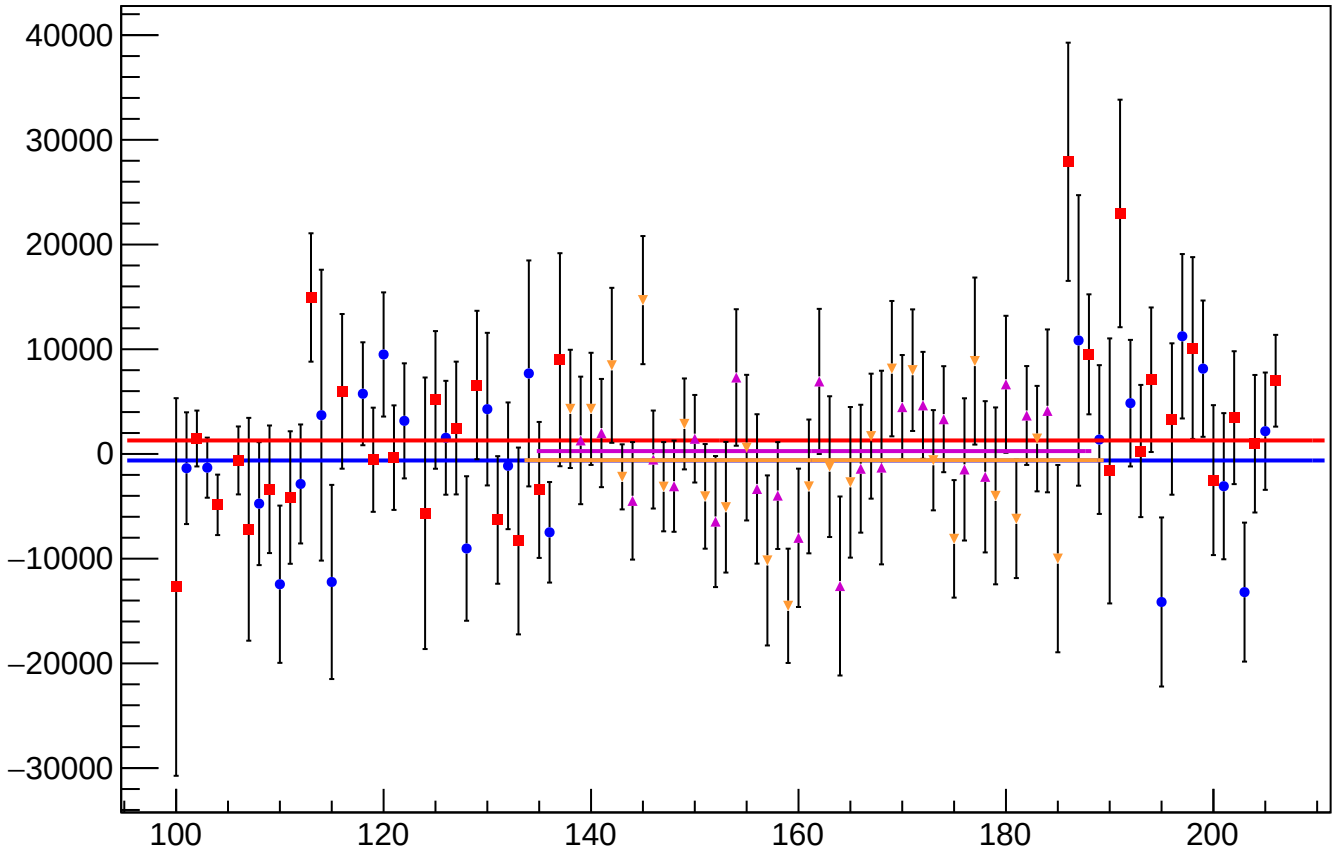
Right Out: 1333.528+/-0.238 χ^2/NDF: 447622.1/30

Left In: 1338.604+/-0.221 χ^2/NDF:54251.0/22

+ sign 1327.350+/-0.163 χ^2/NDF: 756788.0/49

All: 1331.835+/-0.115 χ^2/NDF: 1260402.7/10

- sign 1336.246+/-0.162 χ^2/NDF: 502117.6/53



Right In: -623.119+/-1204.177 χ^2/NDF: 27.1/24

Left Out: -594.920+/-1122.288 χ^2/NDF:29.5/24

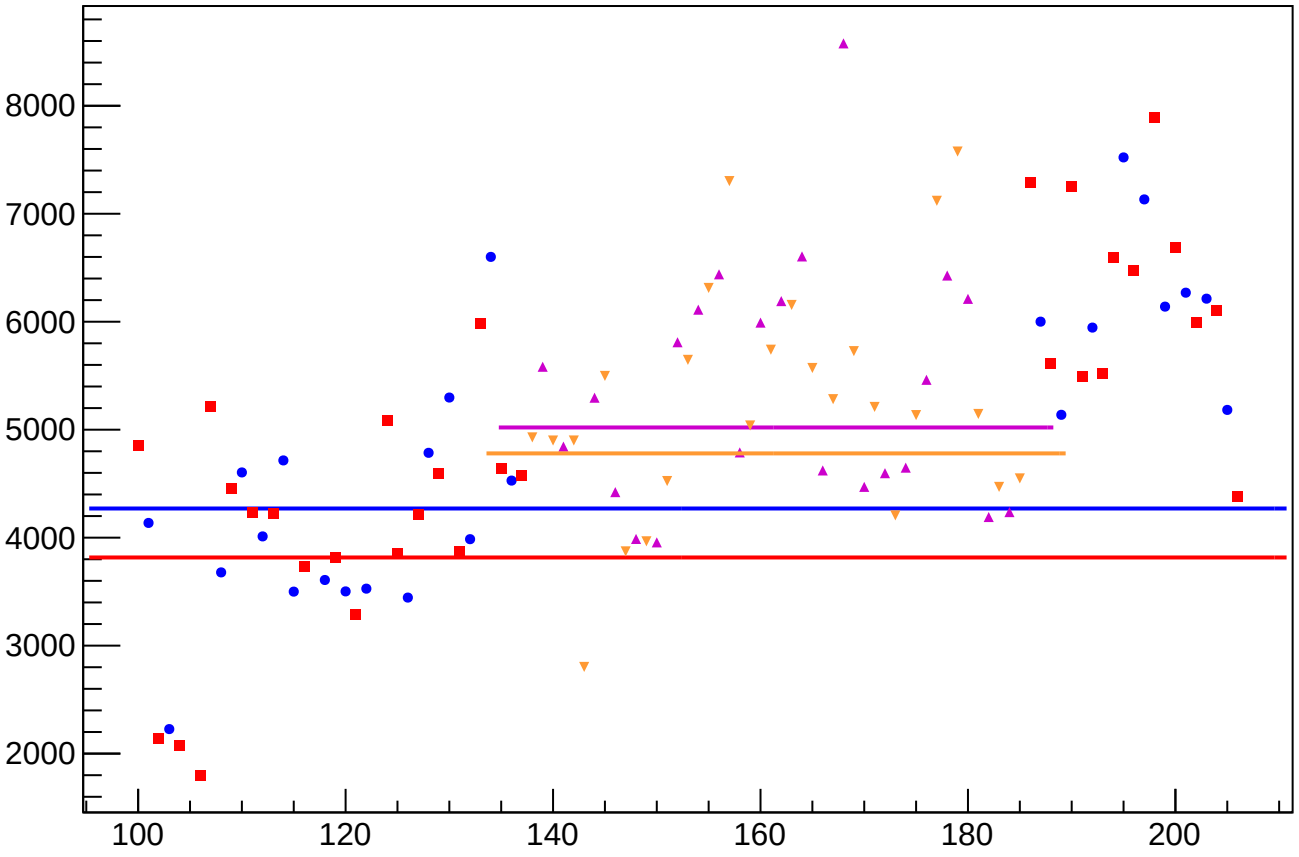
Right Out: 1289.799+/-1030.026 χ^2/NDF: 33.6/30

Left In: 272.917+/-1196.806 χ^2/NDF:13.4/22

+ sign -608.028+/-821.002 χ^2/NDF: 56.6/49

All: 161.373+/-565.750 χ^2/NDF: 105.7/103

- sign 857.093+/-780.701 χ^2/NDF: 47.4/53



Right In: 4270.089+/-0.851 χ^2/NDF: 2724964.7/24

Left Out: 4780.404+/-0.794 χ^2/NDF:2006246.8/24

Right Out: 3816.508+/-0.728 χ^2/NDF: 5202030.9/30

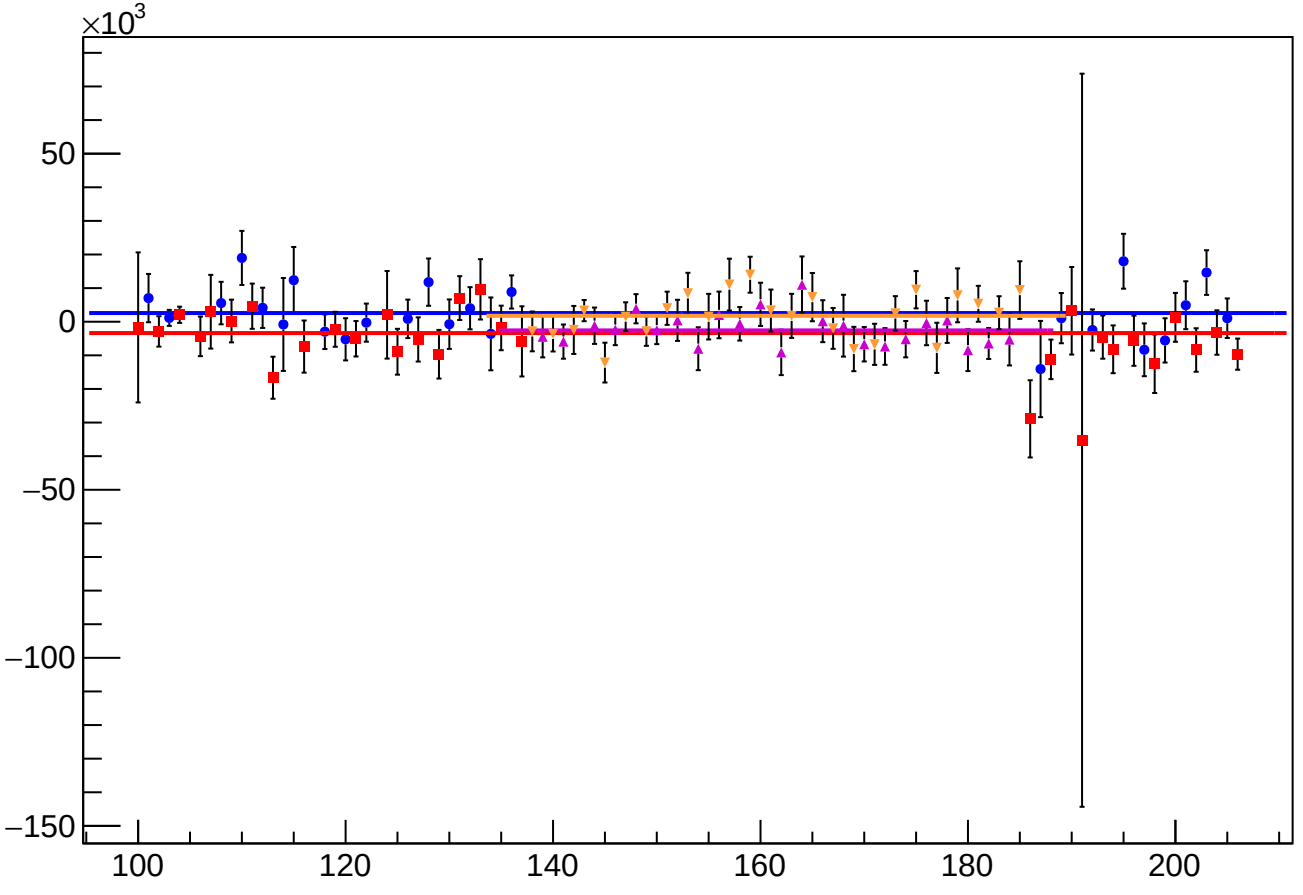
Left In: 5020.567+/-0.846 χ^2/NDF:1225095.5/22

+ sign 4543.187+/-0.581 χ^2/NDF: 4923434.0/49

All: 4430.635+/-0.400 χ^2/NDF: 12585059.2/1

- sign 4328.862+/-0.552 χ^2/NDF: 7590049.7/53

asym_atl_avg_atr_avg_avg_mean vs Slug



Right In: 2583.628+/-1201.356 χ^2/NDF: 25.8/24

Left Out: 1761.683+/-1116.232 χ^2/NDF:27.7/24

Right Out: -3371.740+/-1125.658 χ^2/NDF: 30.1/30

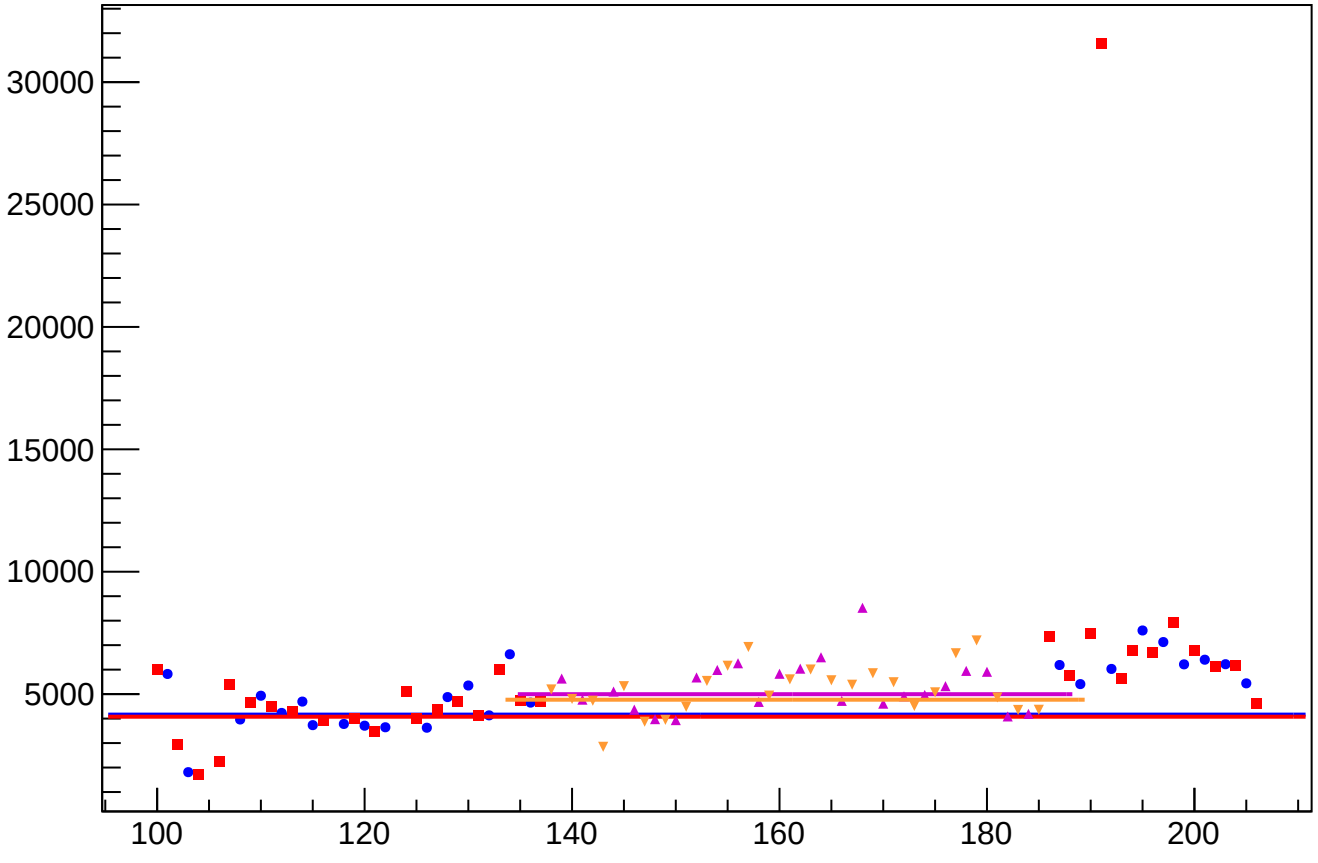
Left In: -2579.960+/-1188.448 χ^2/NDF:13.3/22

+ sign 2142.506+/-817.734 χ^2/NDF: 53.7/49

All: -428.906+/-578.057 χ^2/NDF: 117.1/103

- sign -2997.318+/-817.257 χ^2/NDF: 43.6/53

asym_atl_avg_atr_avg_avg_rms vs Slug



Right In: 4162.300+/-0.849 χ^2/NDF: 3934672.0/24

Left Out: 4771.181+/-0.789 χ^2/NDF:1787082.6/24

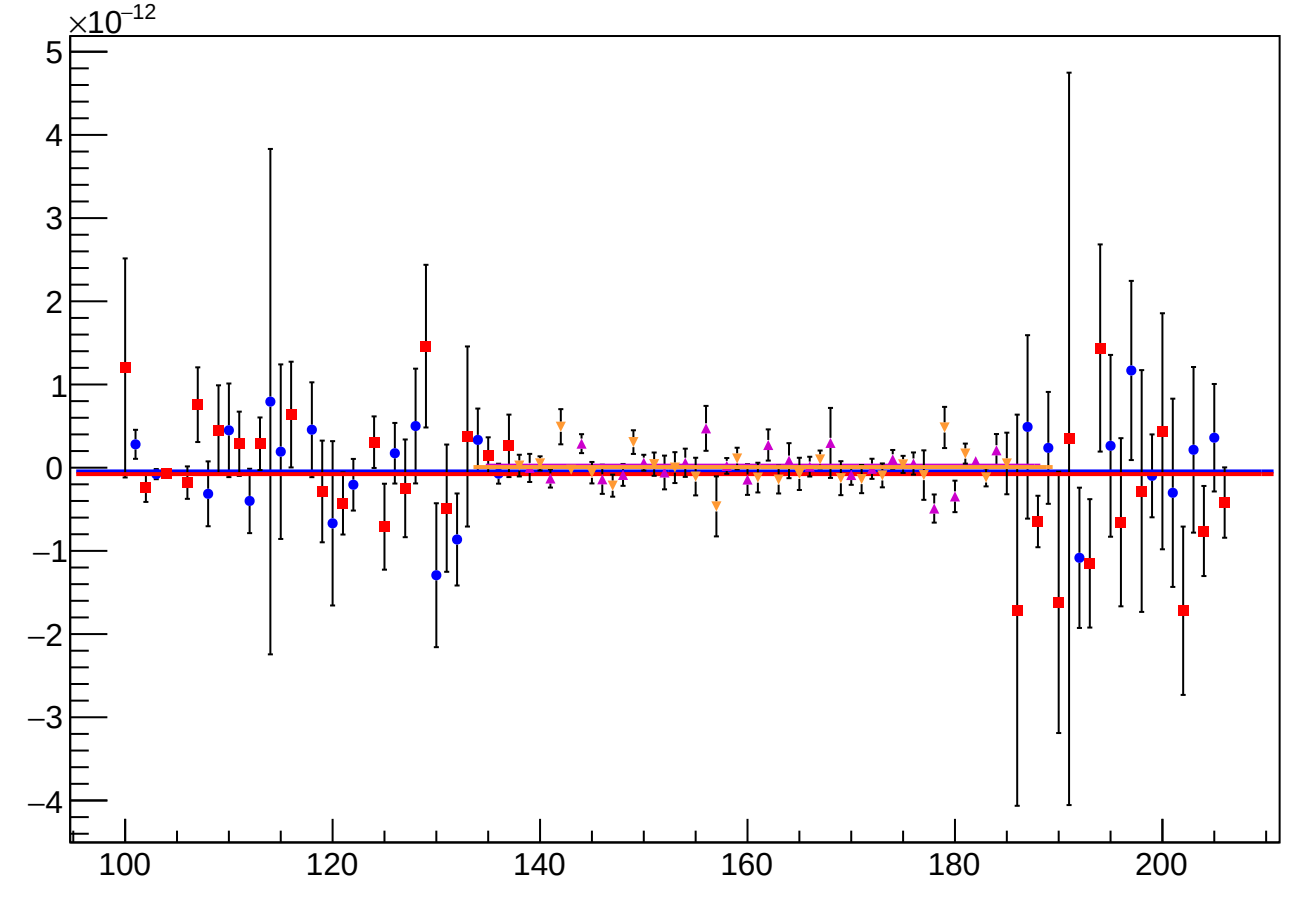
Right Out: 4076.898+/-0.788 χ^2/NDF: 4941226.0/30

Left In: 4996.720+/-0.840 χ^2/NDF:1095876.8/22

+ sign 4489.072+/-0.578 χ^2/NDF: 5997475.6/49

All: 4498.279+/-0.408 χ^2/NDF: 12672439.8/1

- sign 4507.381+/-0.575 χ^2/NDF: 6674459.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 17.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/24

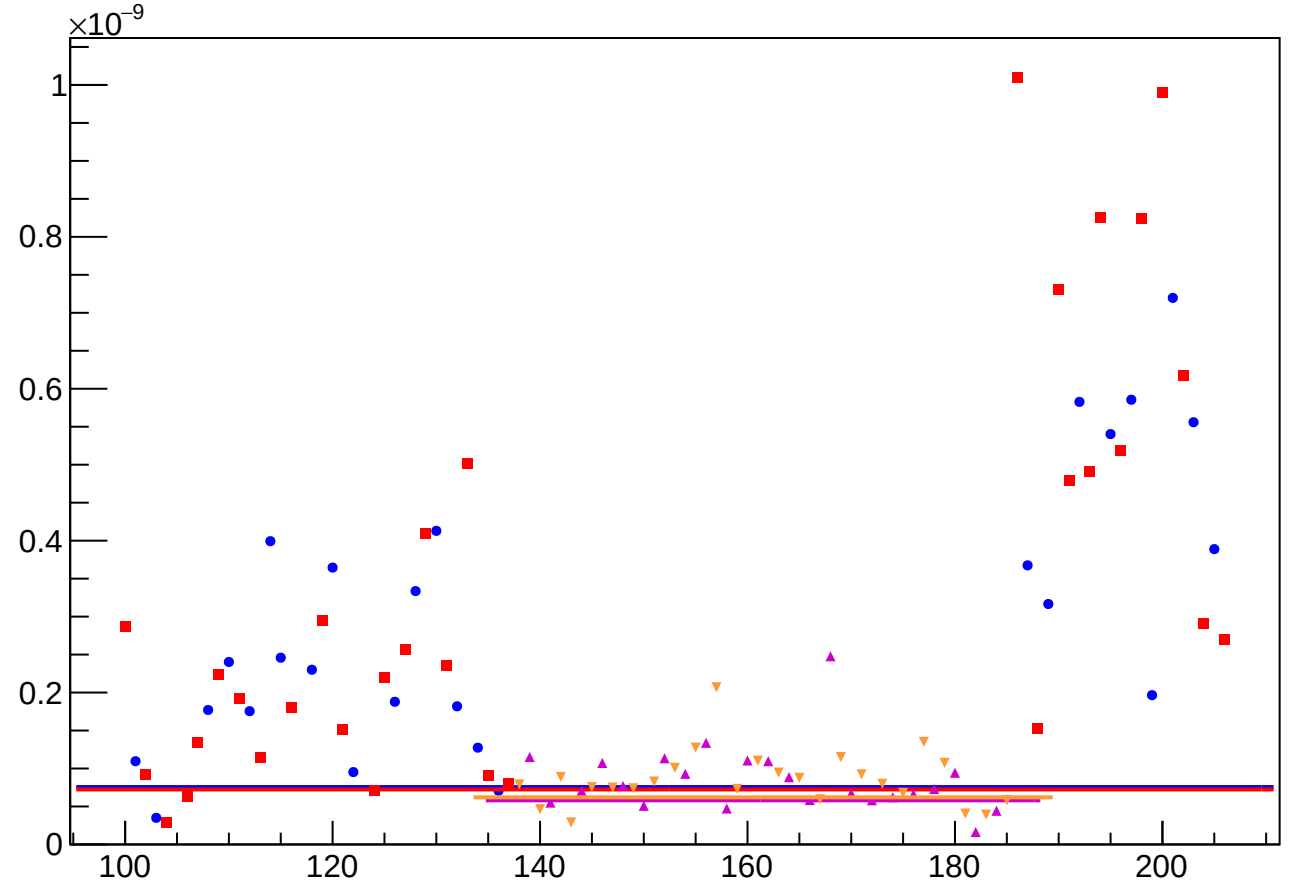
Right Out: -0.000+/-0.000 χ^2/NDF: 32.6/30

Left In: 0.000+/-0.000 χ^2/NDF:31.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.6/49

All: -0.000+/-0.000 χ^2/NDF: 113.5/103

- sign -0.000+/-0.000 χ^2/NDF: 67.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 6323132.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:2443383.4/24

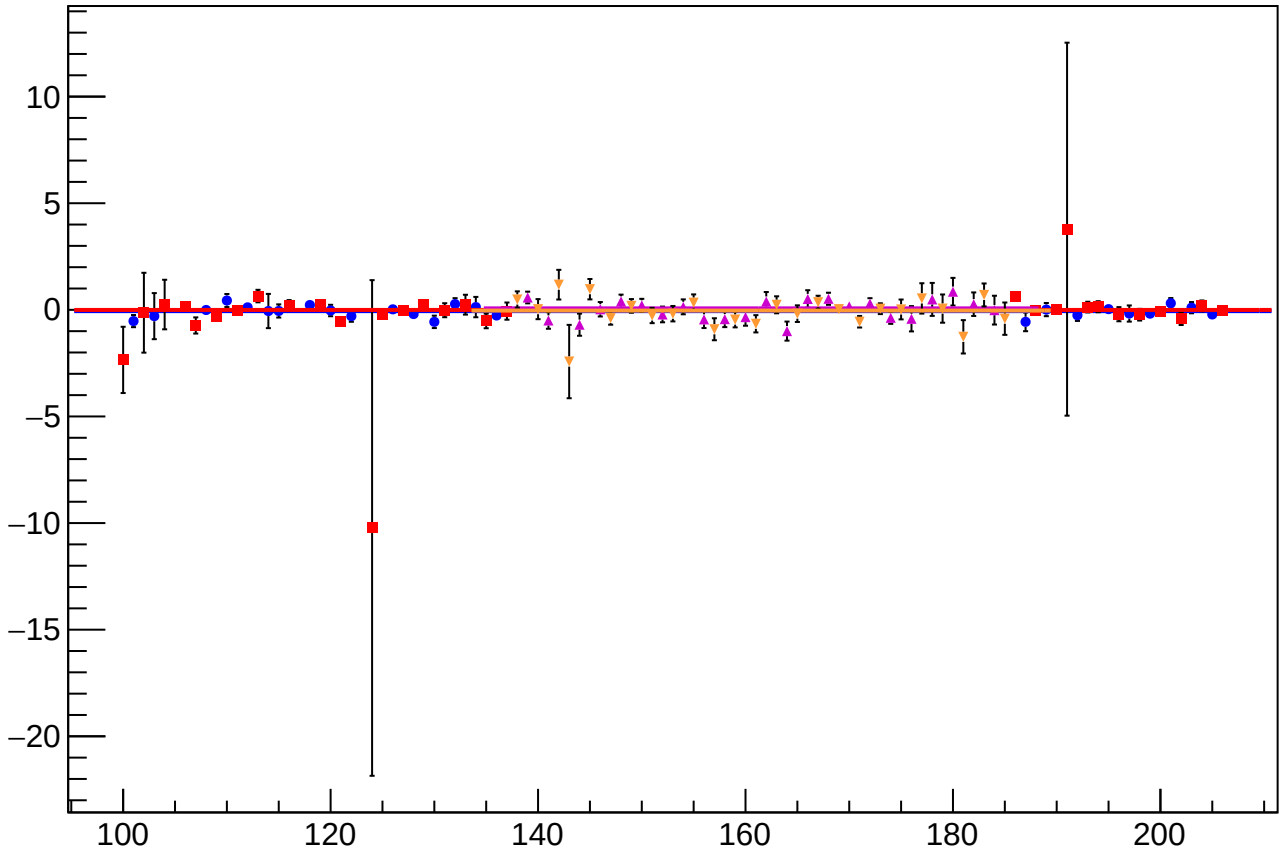
Right Out: 0.000+/-0.000 χ^2/NDF: 8275014.2/30

Left In: 0.000+/-0.000 χ^2/NDF:2966562.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8891004.5/49

All: 0.000+/-0.000 χ^2/NDF: 20301399.4/103

- sign 0.000+/-0.000 χ^2/NDF: 11386481.4/53



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

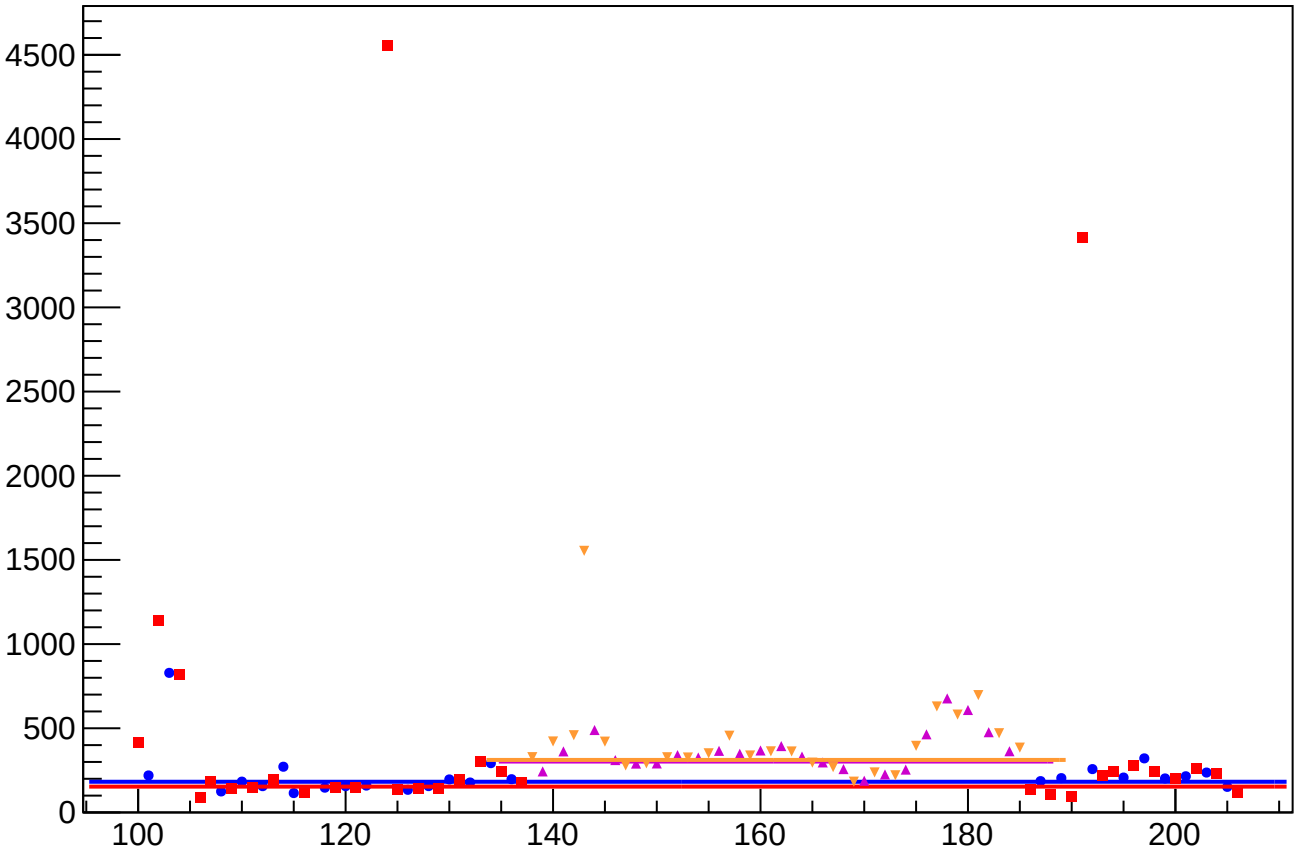
Right Out: -0.005+/-0.043 χ^2/NDF: 40.0/30

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.052+/-0.043 χ^2/NDF: 53.4/49

All: -0.015+/-0.028 χ^2/NDF: 125.3/103

- sign 0.014+/-0.038 χ^2/NDF: 70.6/53



Right In: 182.325+/-0.037 χ^2/NDF: 2051350.2/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

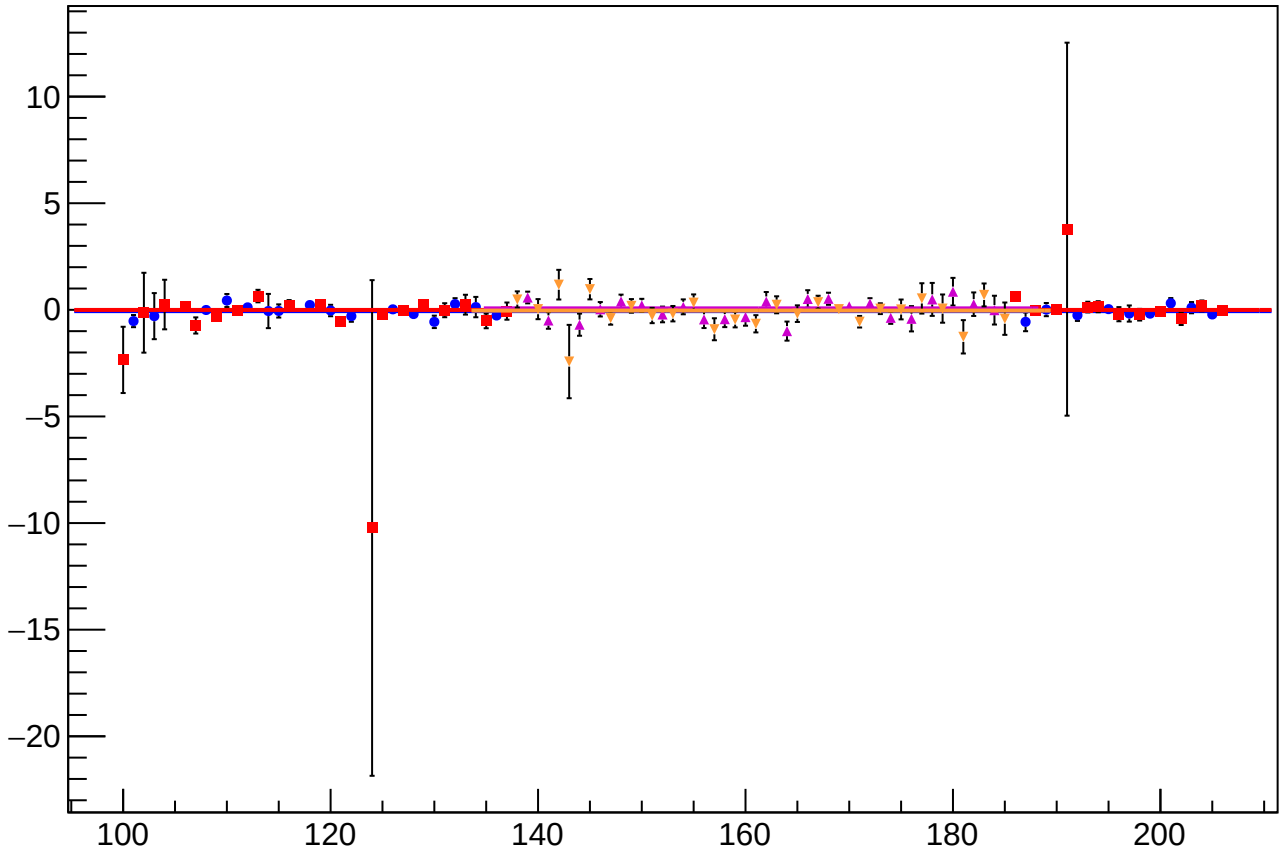
Right Out: 153.481+/-0.031 χ^2/NDF: 4769527.3/30

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 223.704+/-0.031 χ^2/NDF: 10293815.3/49

All: 204.993+/-0.020 χ^2/NDF: 24442299.3/10

- sign 190.927+/-0.027 χ^2/NDF: 13494829.3/53



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

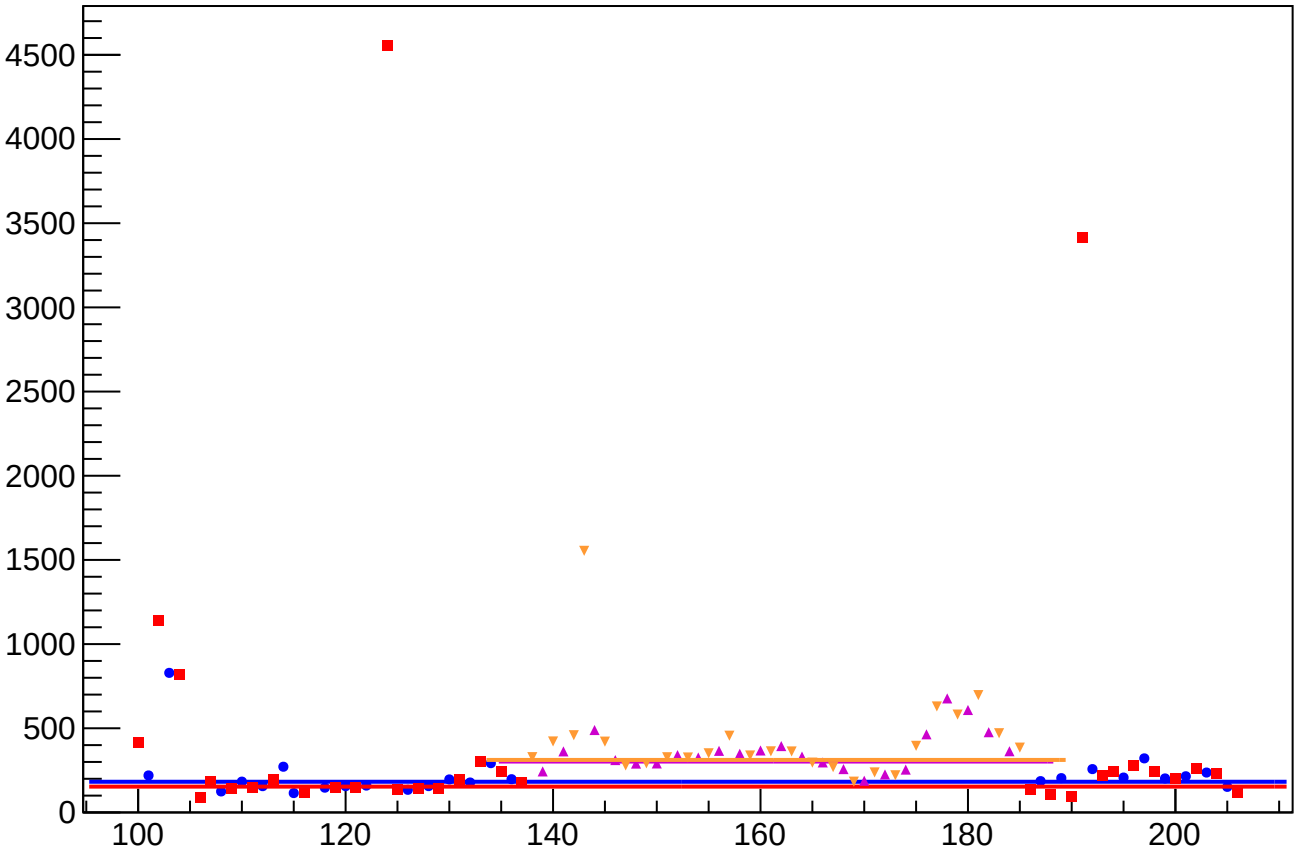
Right Out: -0.005+/-0.043 χ^2/NDF: 40.0/30

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.052+/-0.043 χ^2/NDF: 53.4/49

All: -0.015+/-0.028 χ^2/NDF: 125.3/103

- sign 0.014+/-0.038 χ^2/NDF: 70.6/53



Right In: 182.325+/-0.037 χ^2/NDF: 2051350.2/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350162.2/24

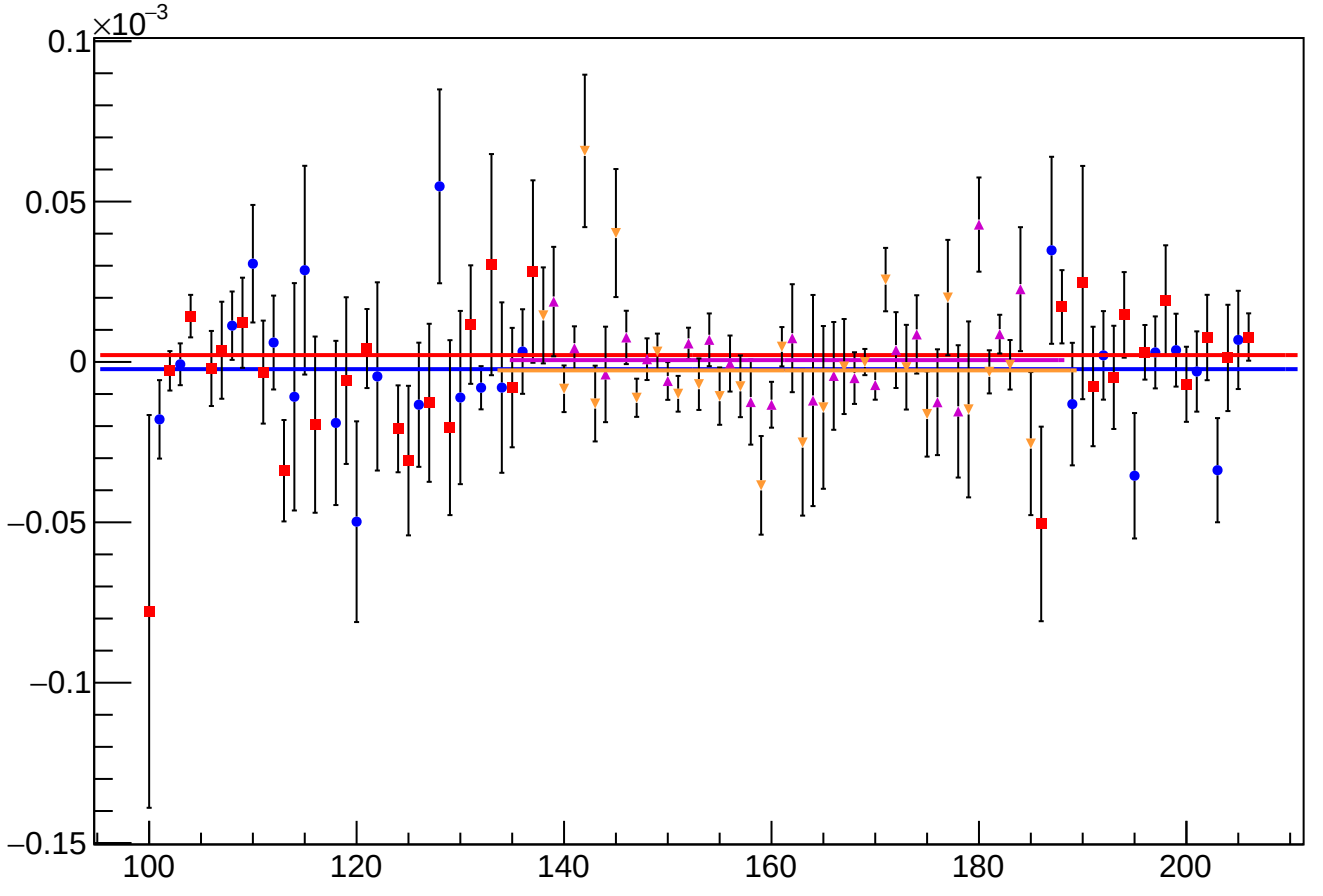
Right Out: 153.481+/-0.031 χ^2/NDF: 4769527.3/30

Left In: 302.375+/-0.053 χ^2/NDF:2808730.8/22

+ sign 223.704+/-0.031 χ^2/NDF: 10293815.3/49

All: 204.993+/-0.020 χ^2/NDF: 24442299.3/10

- sign 190.927+/-0.027 χ^2/NDF: 13494829.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 25.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:42.4/24

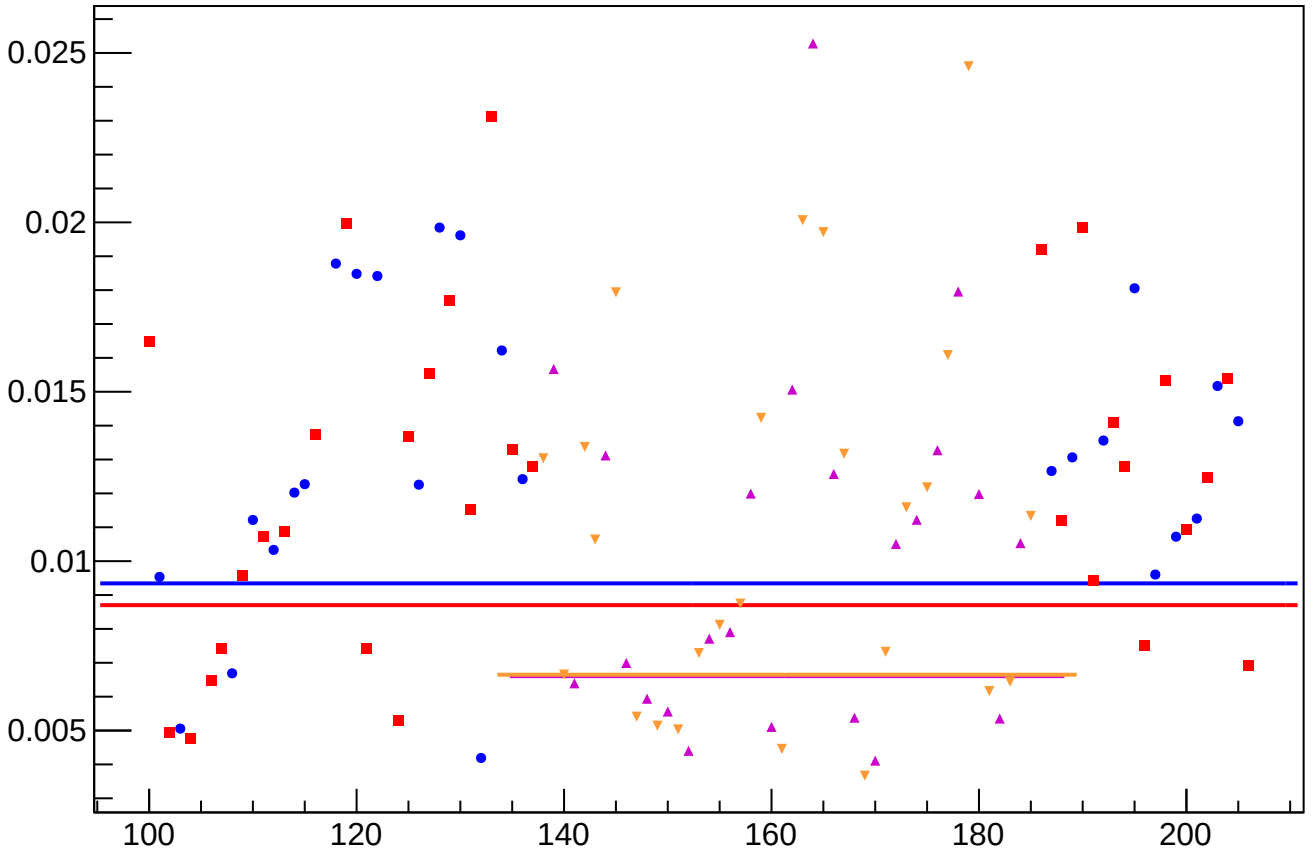
Right Out: 0.000+/-0.000 χ^2/NDF: 29.2/30

Left In: 0.000+/-0.000 χ^2/NDF:26.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.5/49

All: -0.000+/-0.000 χ^2/NDF: 127.0/103

- sign 0.000+/-0.000 χ^2/NDF: 56.4/53



Right In: 0.009+/-0.000 χ^2/NDF: 4887055.2/24

Left Out: 0.007+/-0.000 χ^2/NDF:7513935.6/24

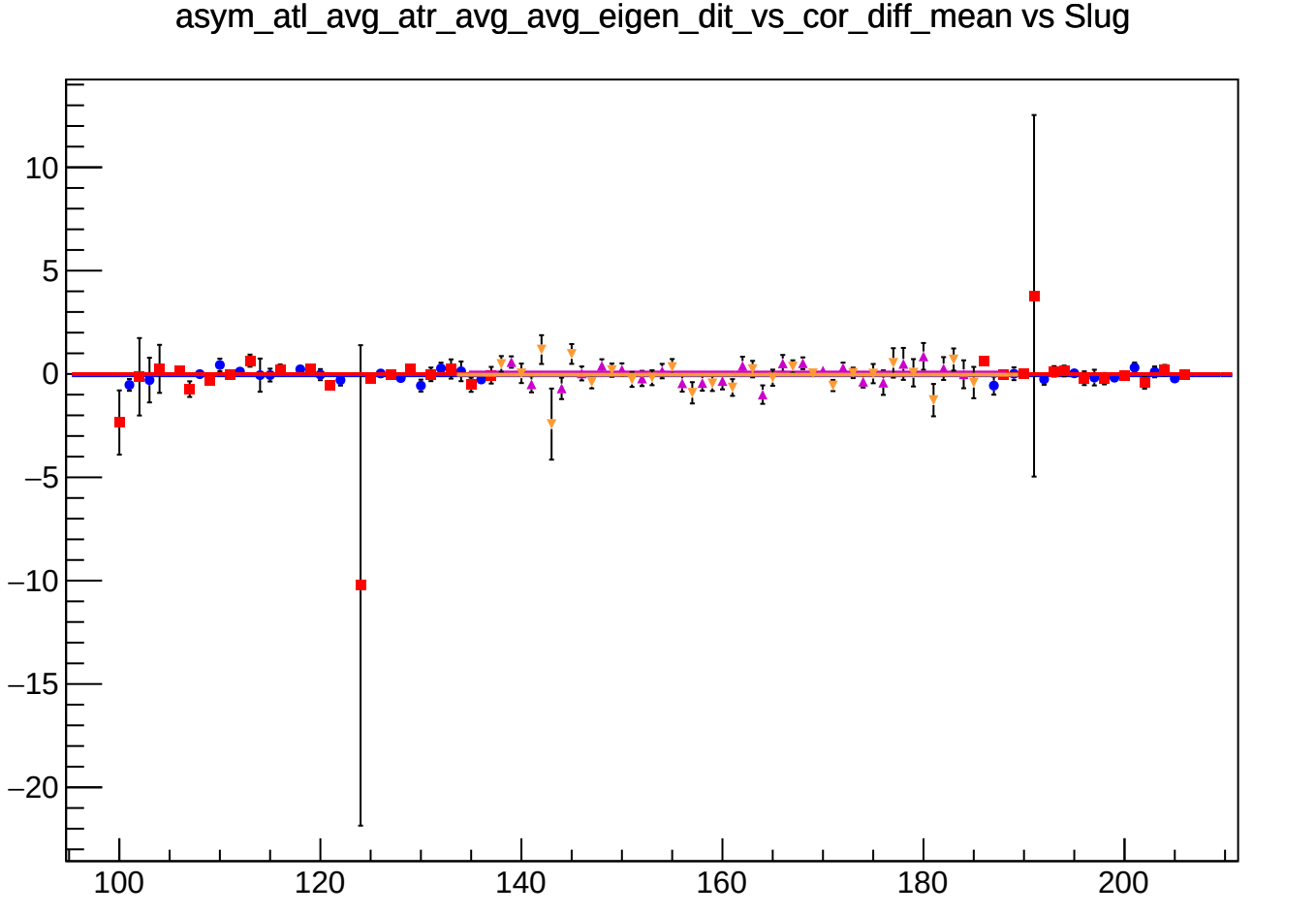
Right Out: 0.009+/-0.000 χ^2/NDF: 5209744.5/30

Left In: 0.007+/-0.000 χ^2/NDF:5855747.2/22

+ sign 0.007+/-0.000 χ^2/NDF: 13746558.2/49

All: 0.007+/-0.000 χ^2/NDF: 25806016.9/103

- sign 0.007+/-0.000 χ^2/NDF: 12058381.8/53



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

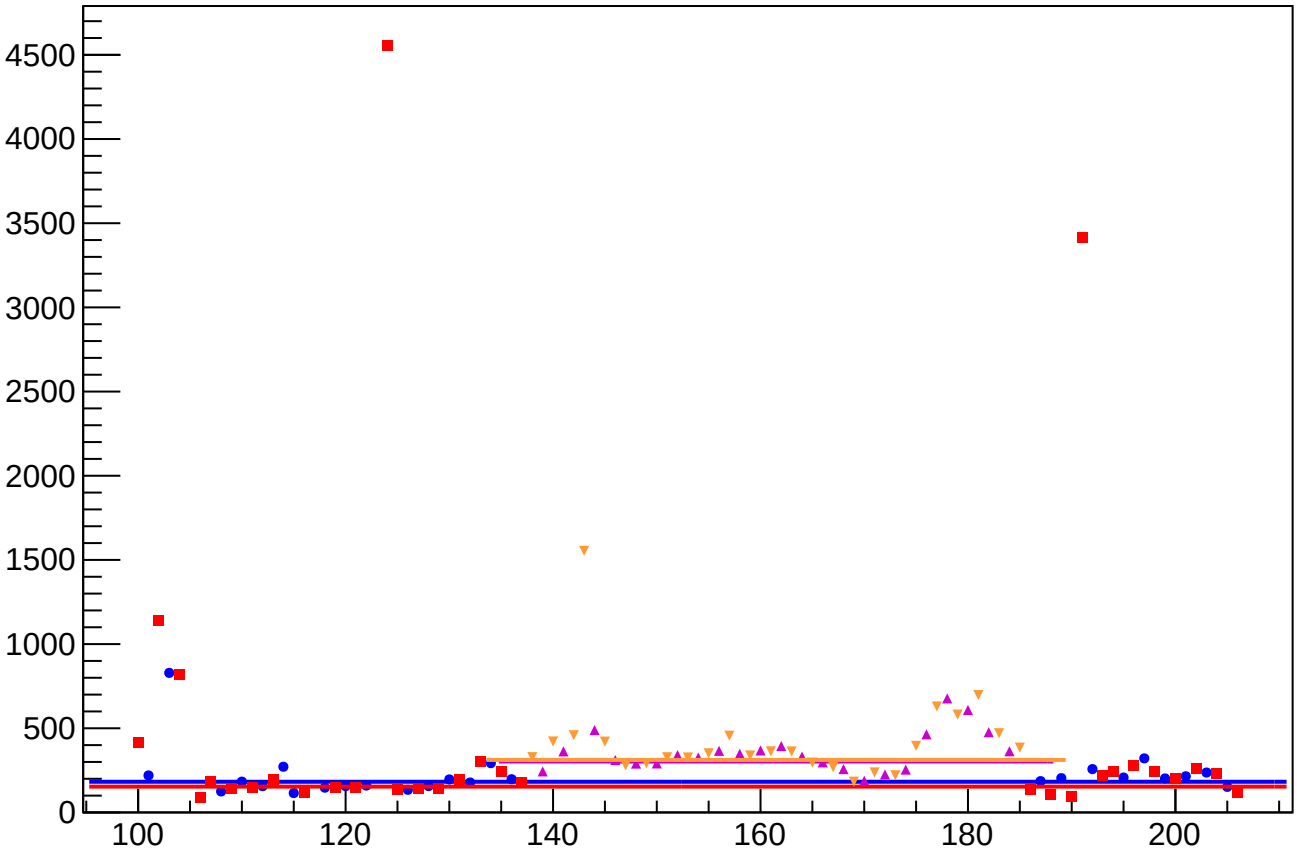
Right Out: -0.005+/-0.043 χ^2/NDF: 40.0/30

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.052+/-0.043 χ^2/NDF: 53.4/49

All: -0.015+/-0.028 χ^2/NDF: 125.3/103

- sign 0.014+/-0.038 χ^2/NDF: 70.6/53



Right In: 182.325+/-0.037 χ^2/NDF: 2051379.3/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

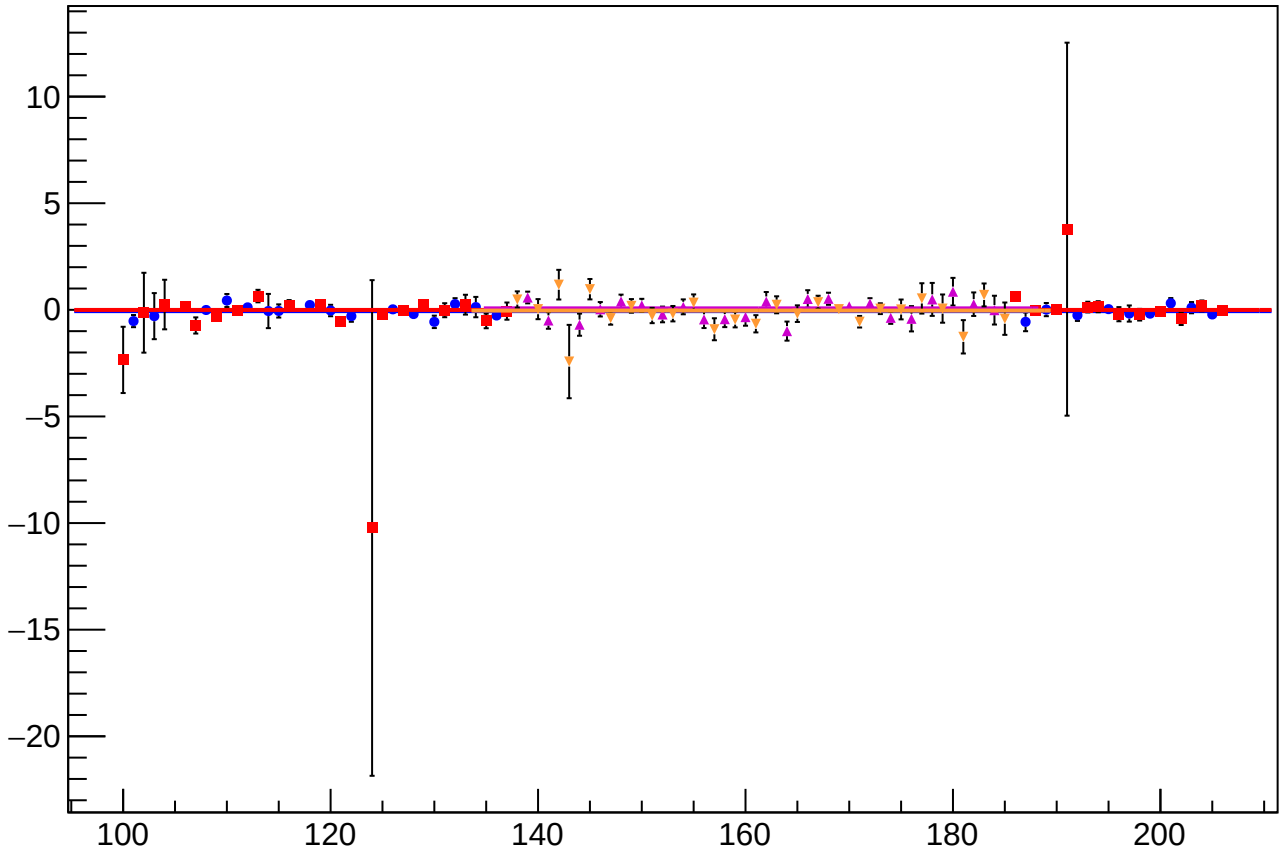
Right Out: 153.478+/-0.031 χ^2/NDF: 4769753.7/30

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 223.703+/-0.031 χ^2/NDF: 10294098.5/49

All: 204.991+/-0.020 χ^2/NDF: 24443392.0/10

- sign 190.924+/-0.027 χ^2/NDF: 13495537.8/53



Right In: -0.061+/-0.053 χ^2/NDF: 20.7/24

Left Out: -0.035+/-0.077 χ^2/NDF:32.5/24

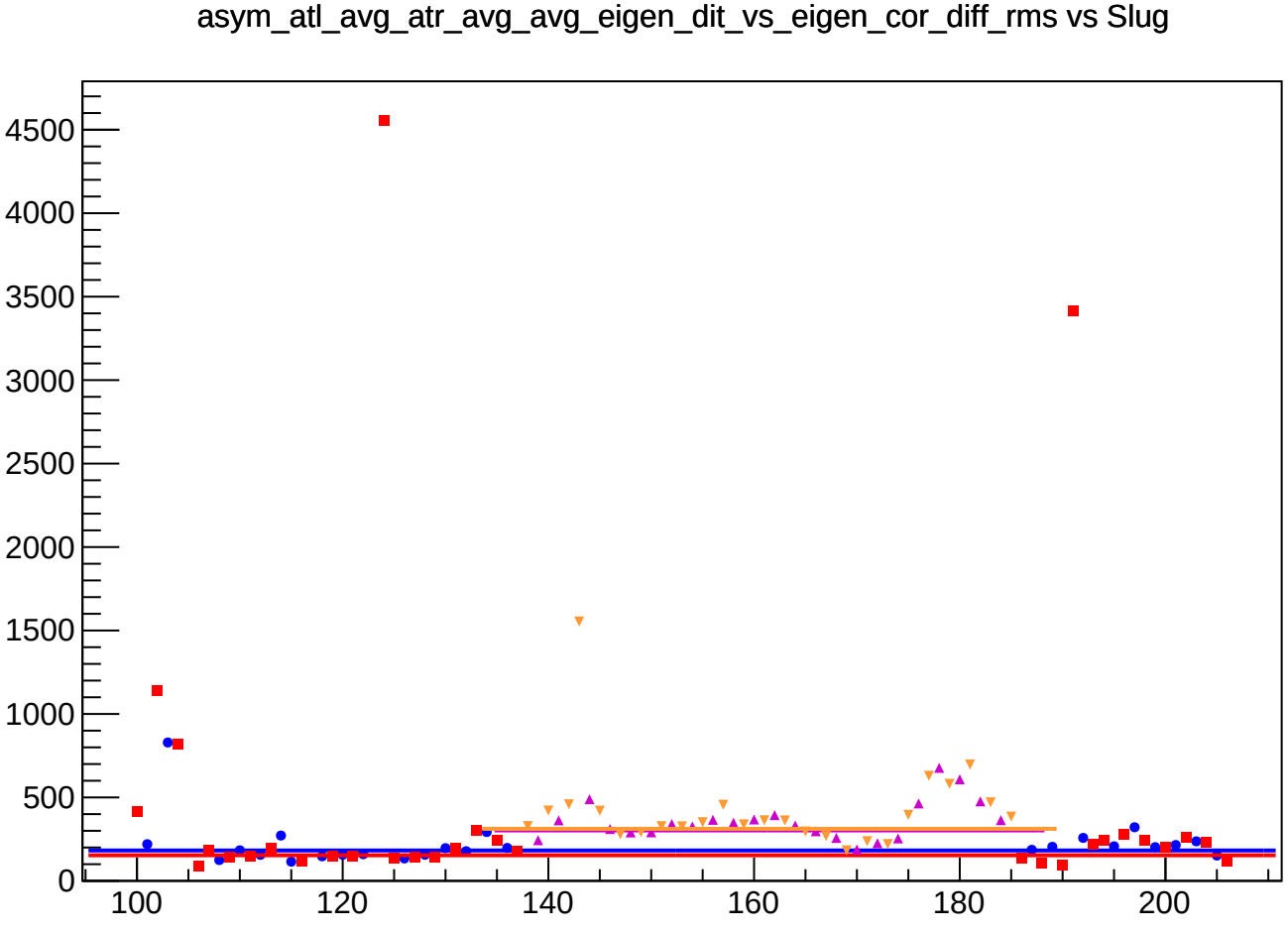
Right Out: -0.005+/-0.043 χ^2/NDF: 40.0/30

Left In: 0.069+/-0.075 χ^2/NDF:29.9/22

+ sign -0.052+/-0.043 χ^2/NDF: 53.4/49

All: -0.015+/-0.028 χ^2/NDF: 125.3/103

- sign 0.014+/-0.038 χ^2/NDF: 70.6/53



Right In: 182.325+/-0.037 χ^2/NDF: 2051379.3/24

Left Out: 311.961+/-0.054 χ^2/NDF:4350376.6/24

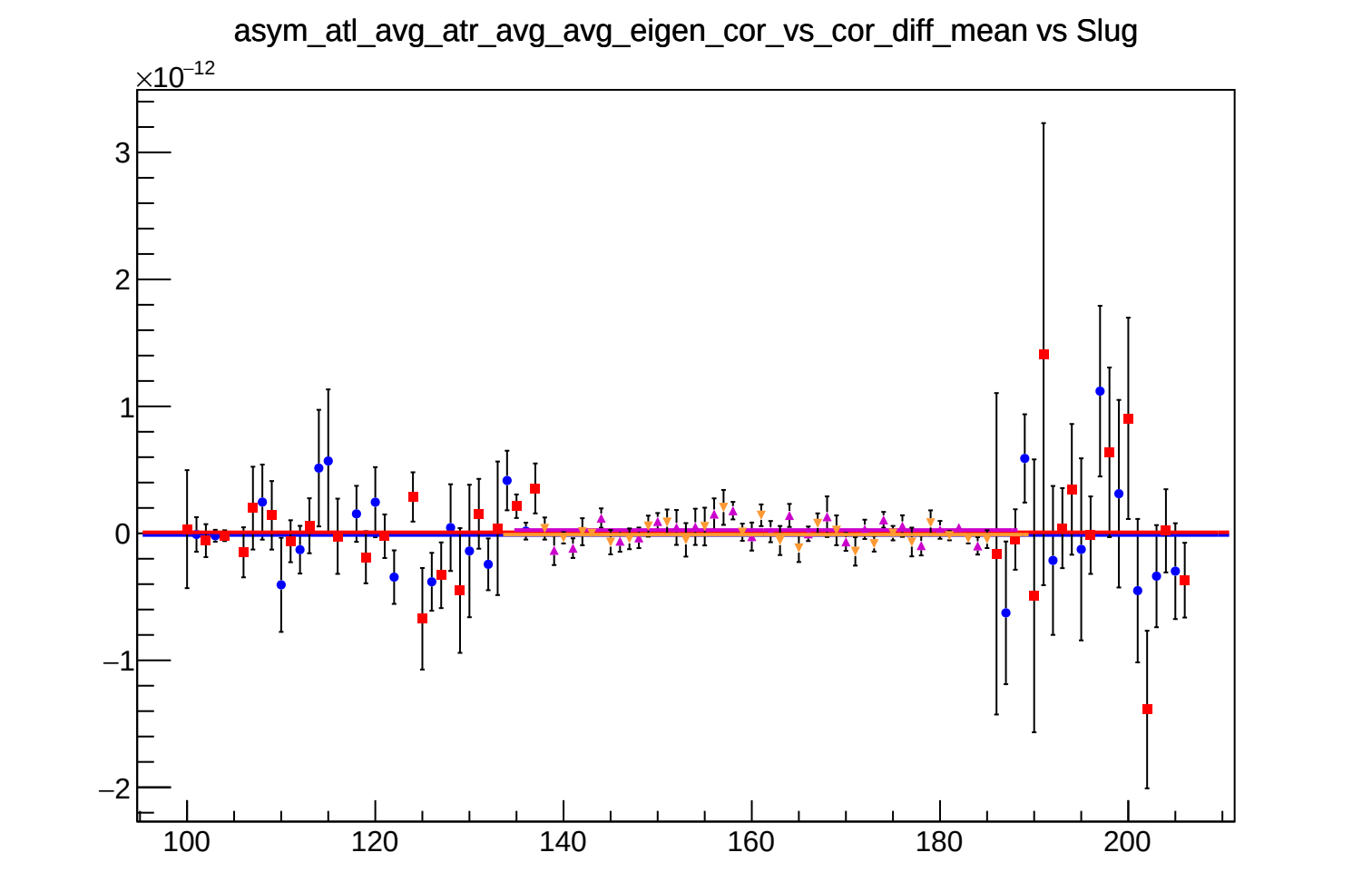
Right Out: 153.478+/-0.031 χ^2/NDF: 4769753.7/30

Left In: 302.377+/-0.053 χ^2/NDF:2808874.8/22

+ sign 223.703+/-0.031 χ^2/NDF: 10294098.5/49

All: 204.991+/-0.020 χ^2/NDF: 24443392.0/10

- sign 190.924+/-0.027 χ^2/NDF: 13495537.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 25.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.2/24

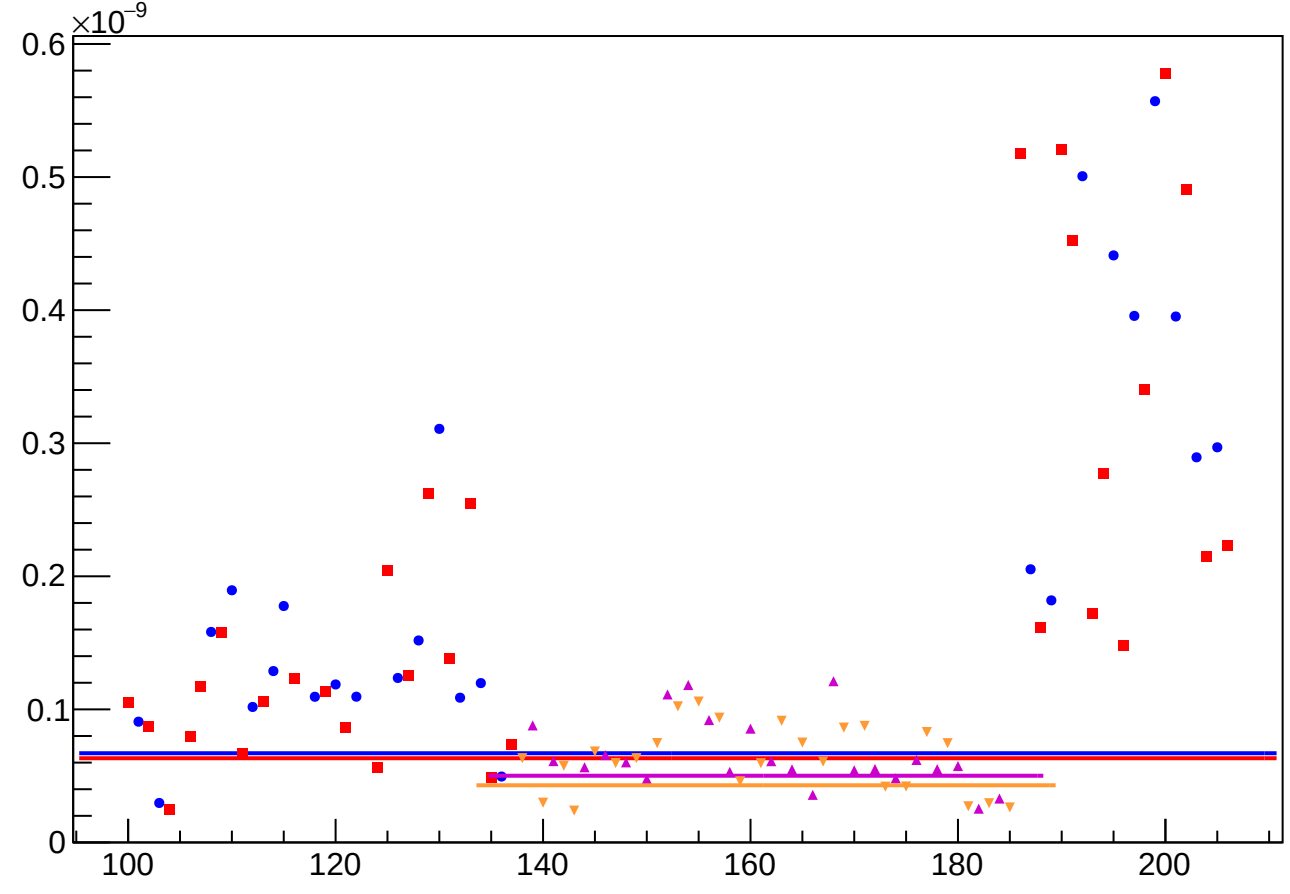
Right Out: 0.000+/-0.000 χ^2/NDF: 29.1/30

Left In: 0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.5/49

All: 0.000+/-0.000 χ^2/NDF: 101.7/103

- sign 0.000+/-0.000 χ^2/NDF: 57.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 8525368.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:5074676.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8480241.6/30

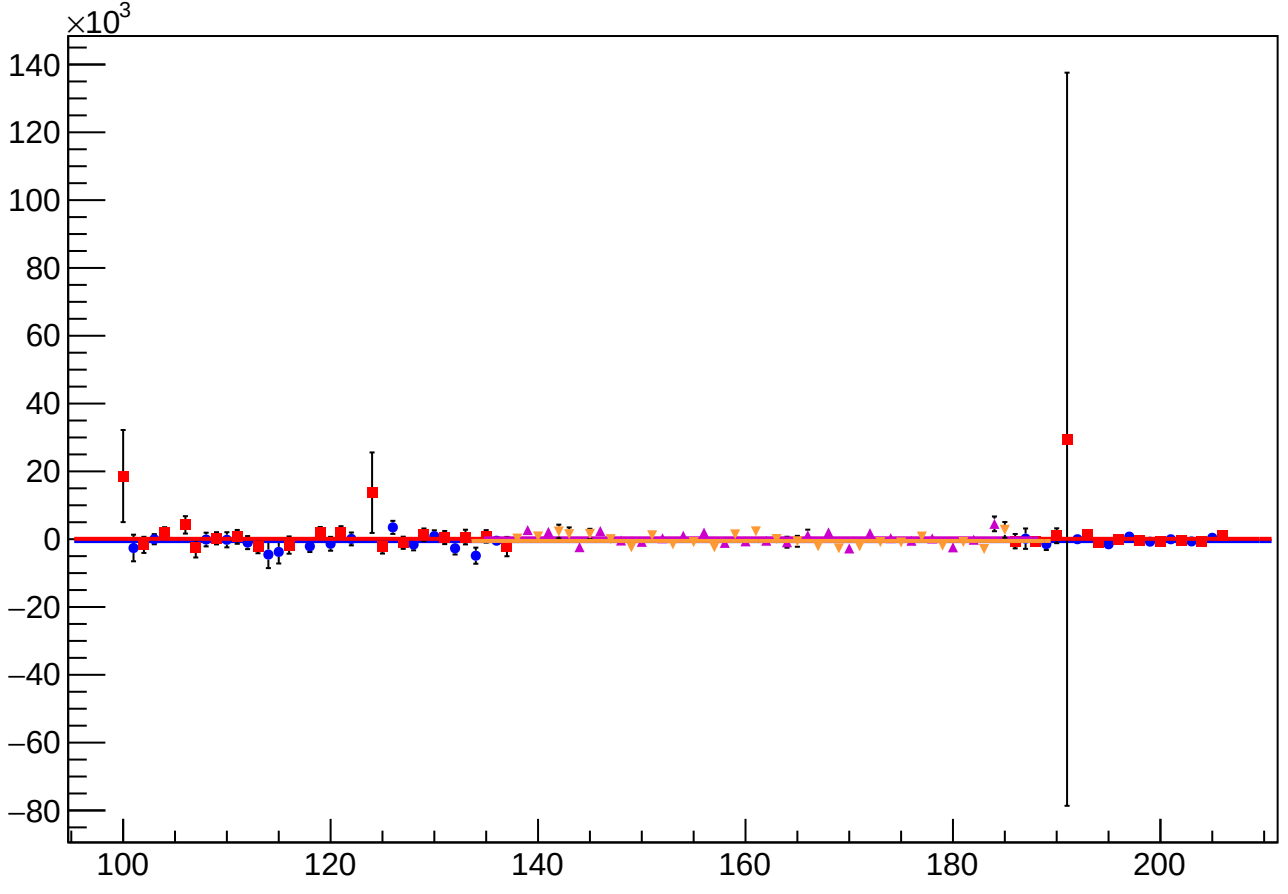
Left In: 0.000+/-0.000 χ^2/NDF:3611362.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 14548344.1/49

All: 0.000+/-0.000 χ^2/NDF: 27168522.8/103

- sign 0.000+/-0.000 χ^2/NDF: 12390153.0/53

reg_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -567.728+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 106.976+/-322.543 χ^2/NDF: 19.6/30

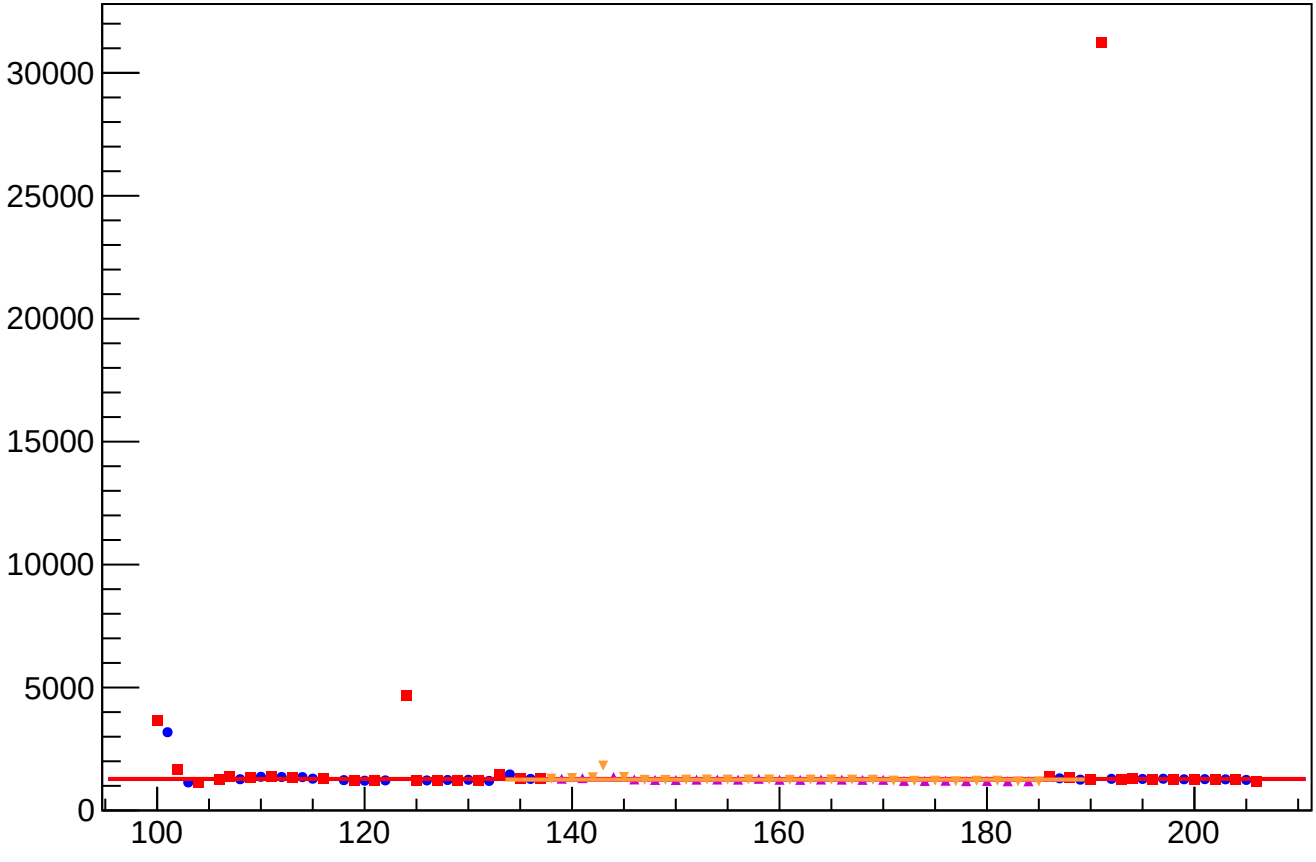
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -536.250+/-219.862 χ^2/NDF: 47.1/49

All: -171.103+/-154.129 χ^2/NDF: 104.3/103

- sign 181.751+/-216.130 χ^2/NDF: 51.8/53

reg_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1278.563+/-0.243 χ^2/NDF: 521314.4/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

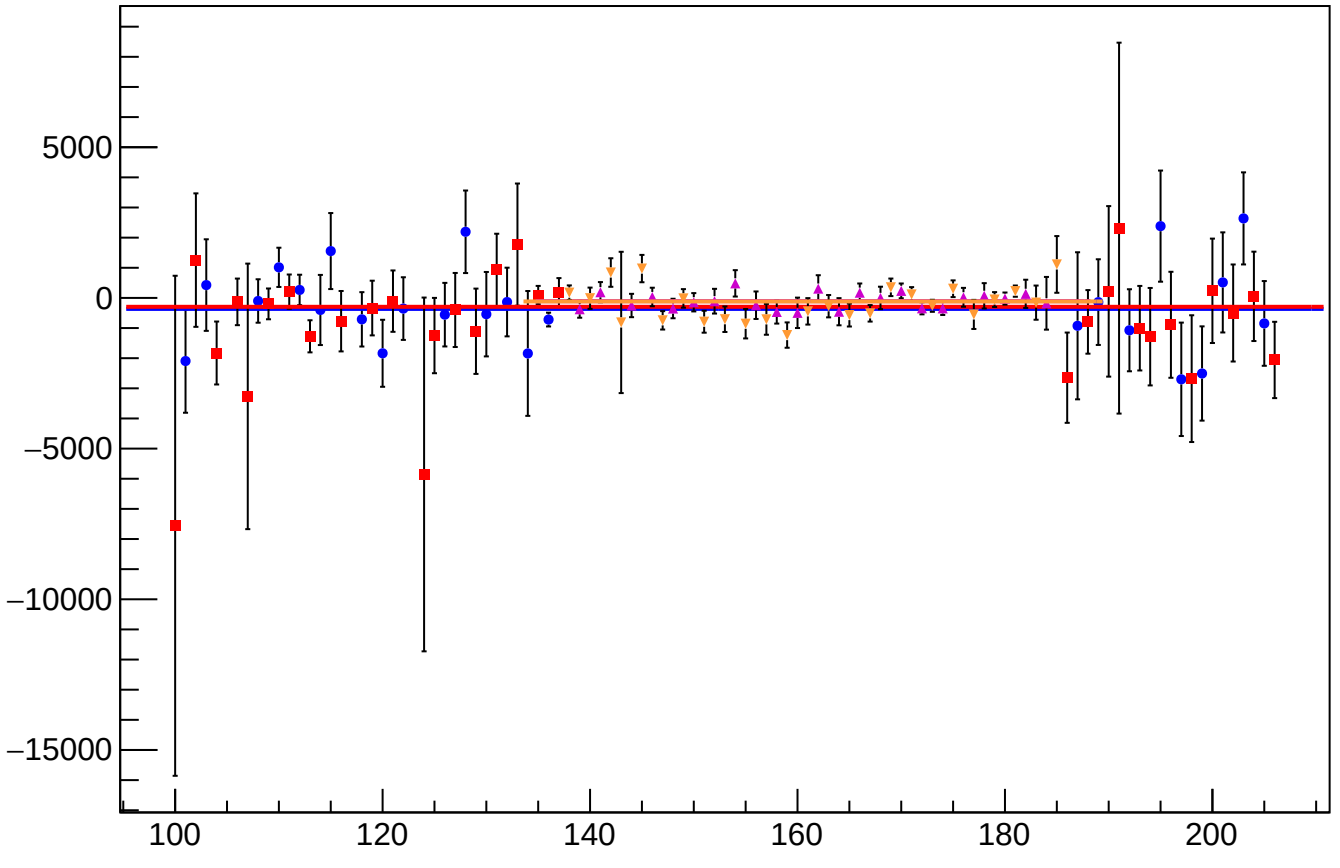
Right Out: 1283.190+/-0.228 χ^2/NDF: 507237.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.936+/-0.155 χ^2/NDF: 729750.9/49

All: 1263.898+/-0.109 χ^2/NDF: 1291305.9/10

- sign 1262.894+/-0.153 χ^2/NDF: 561467.2/53



Right In: -364.720+/-160.478 χ^2/NDF: 28.4/24

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

Right Out: -294.835+/-159.092 χ^2/NDF: 22.1/30

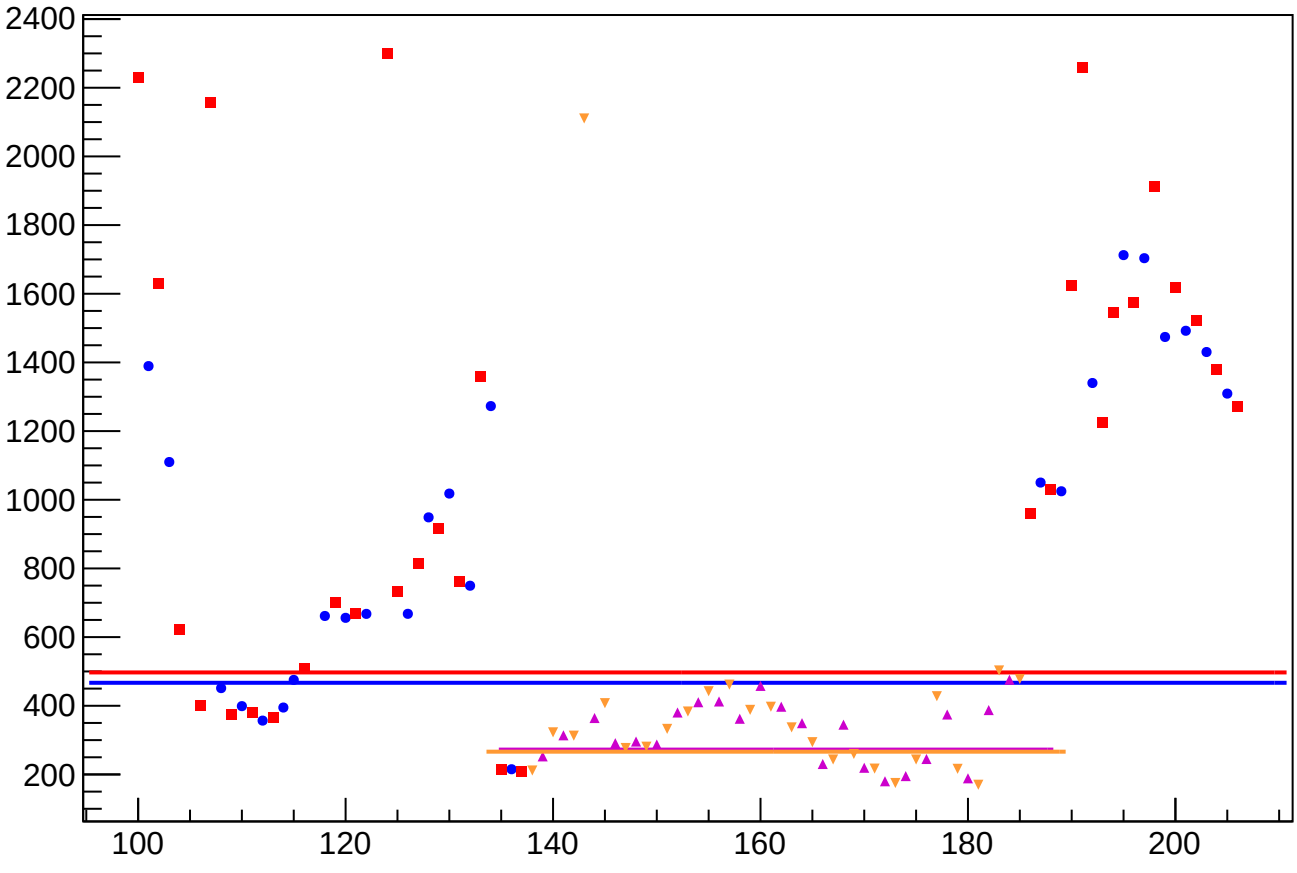
Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -151.991+/-60.293 χ^2/NDF: 78.9/49

All: -143.984+/-43.139 χ^2/NDF: 115.9/103

- sign -135.586+/-61.748 χ^2/NDF: 37.0/53

asym_atl_avg_atr_avg_dd_reg_correction_rms vs Slug



Right In: 466.957+/-0.113 χ^2/NDF: 10890119.7/24

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

Right Out: 497.098+/-0.112 χ^2/NDF: 12280216.6/30

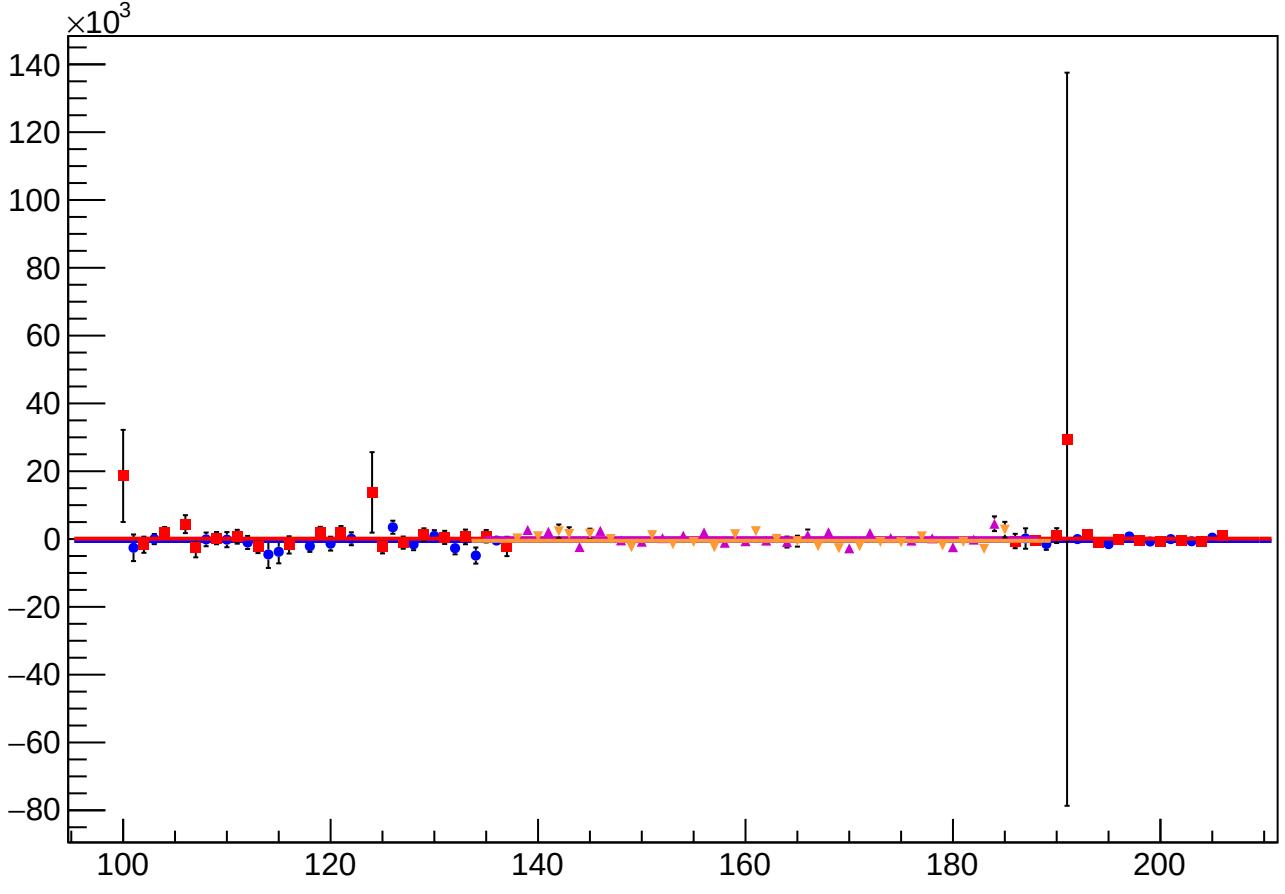
Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 294.642+/-0.043 χ^2/NDF: 18205185.9/49

All: 300.294+/-0.031 χ^2/NDF: 36798819.6/10

- sign 306.222+/-0.044 χ^2/NDF: 18557621.8/53

cor_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 105.587+/-322.696 χ^2/NDF: 19.7/30

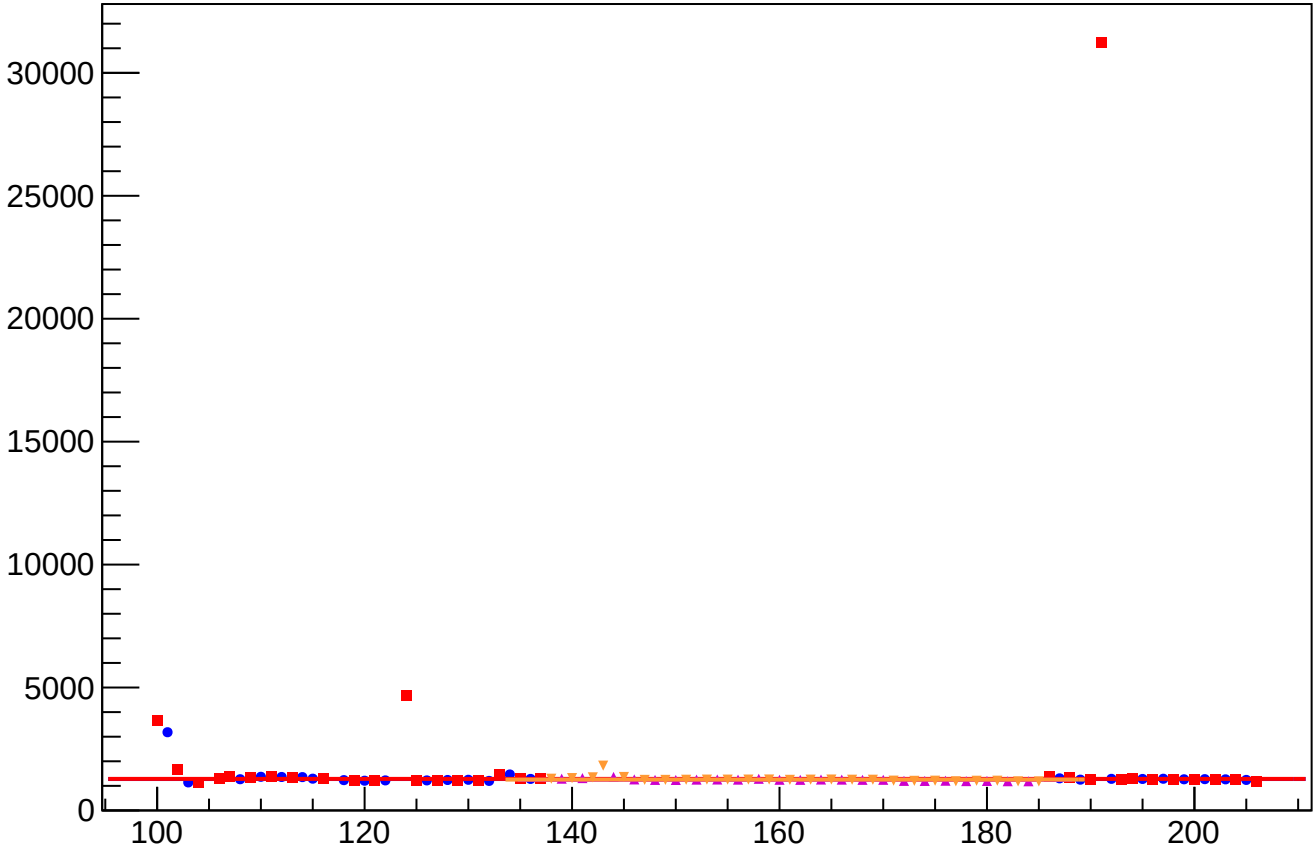
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -536.151+/-219.862 χ^2/NDF: 47.1/49

All: -171.438+/-154.146 χ^2/NDF: 104.4/103

- sign 181.147+/-216.176 χ^2/NDF: 51.8/53

cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

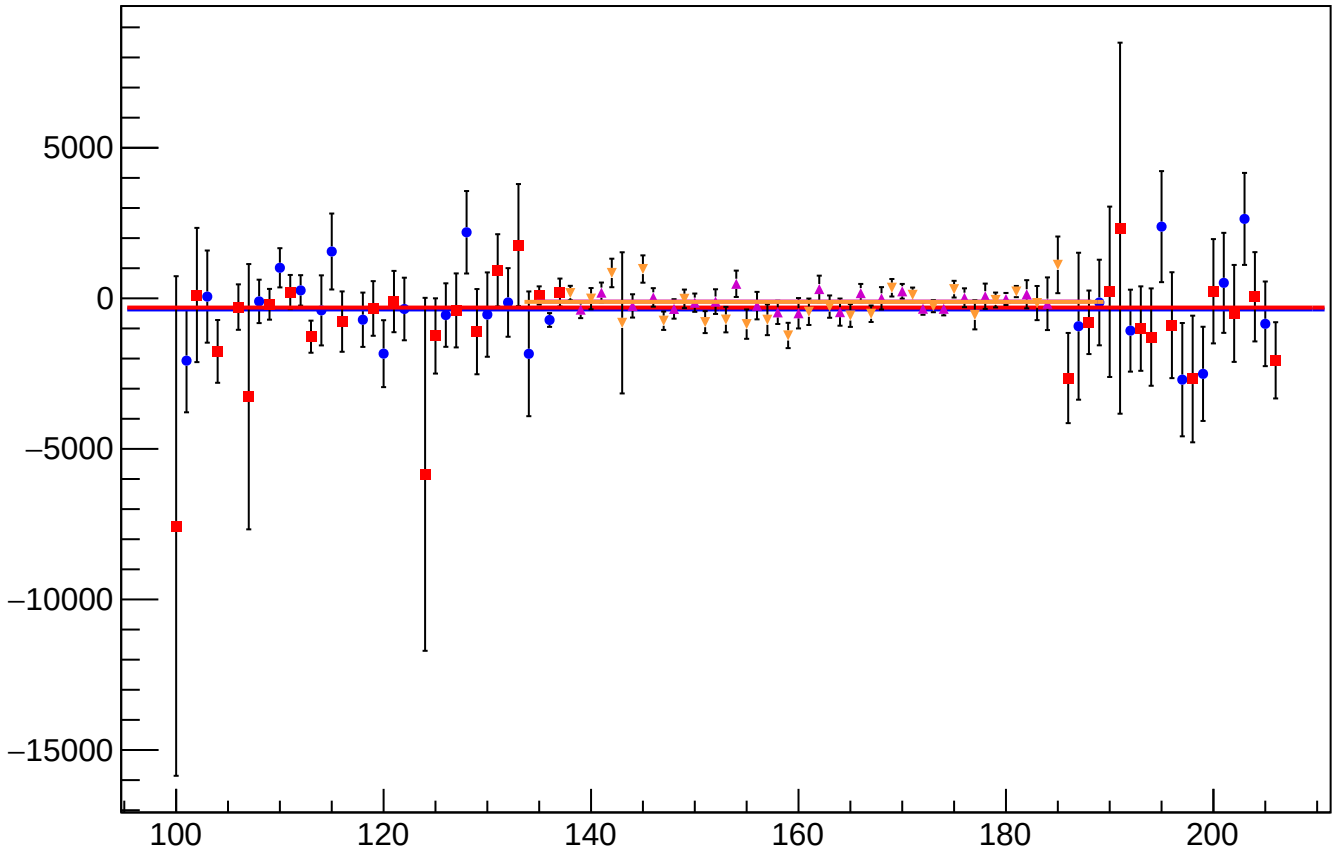
Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.936+/-0.155 χ^2/NDF: 729752.2/49

All: 1264.037+/-0.109 χ^2/NDF: 1291762.9/10

- sign 1263.166+/-0.153 χ^2/NDF: 561944.7/53



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

Right Out: -306.237+/-158.929 χ^2/NDF: 21.4/30

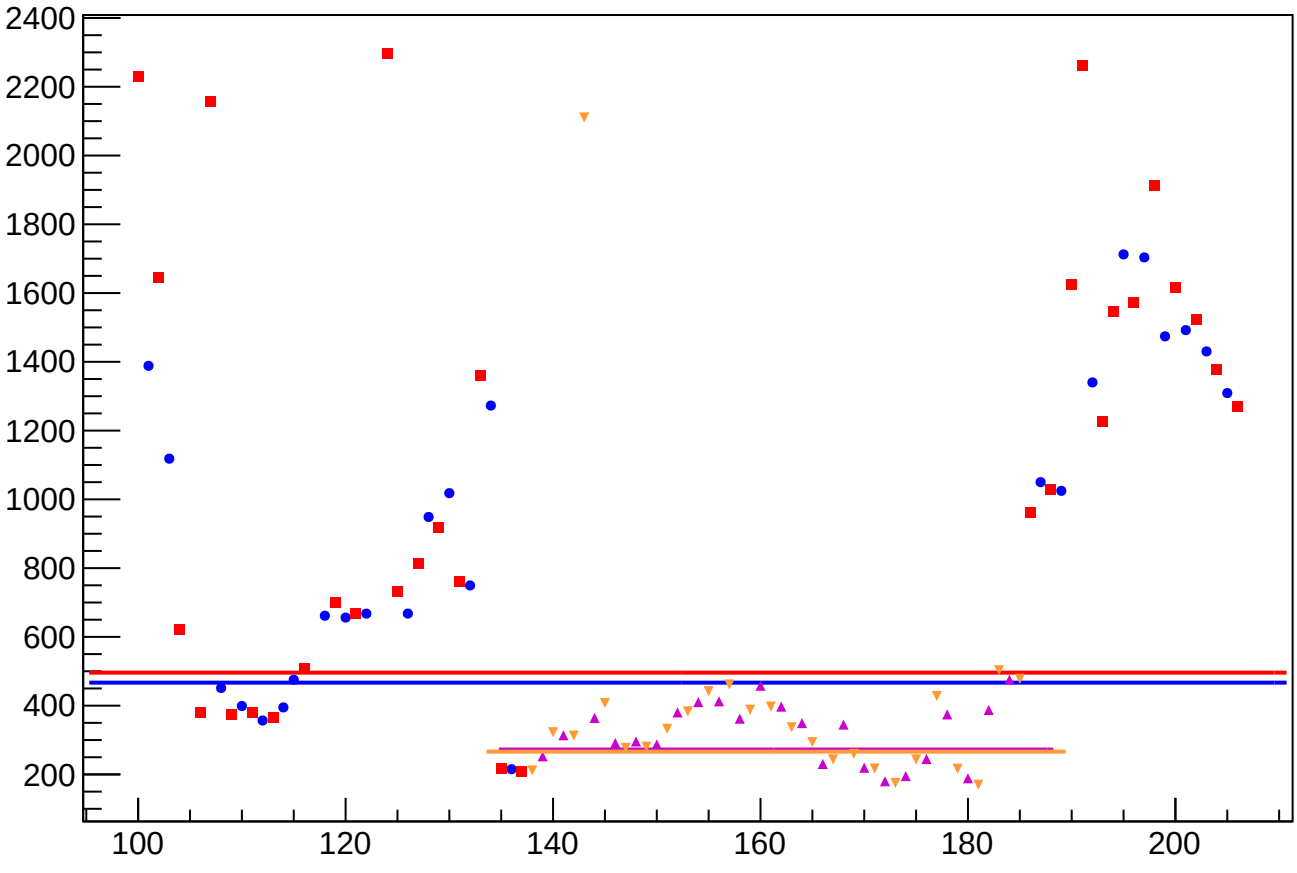
Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -152.536+/-60.295 χ^2/NDF: 78.7/49

All: -145.175+/-43.137 χ^2/NDF: 115.2/103

- sign -137.458+/-61.740 χ^2/NDF: 36.4/53

asym_atl_avg_atr_avg_dd_cor_correction_rms vs Slug



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

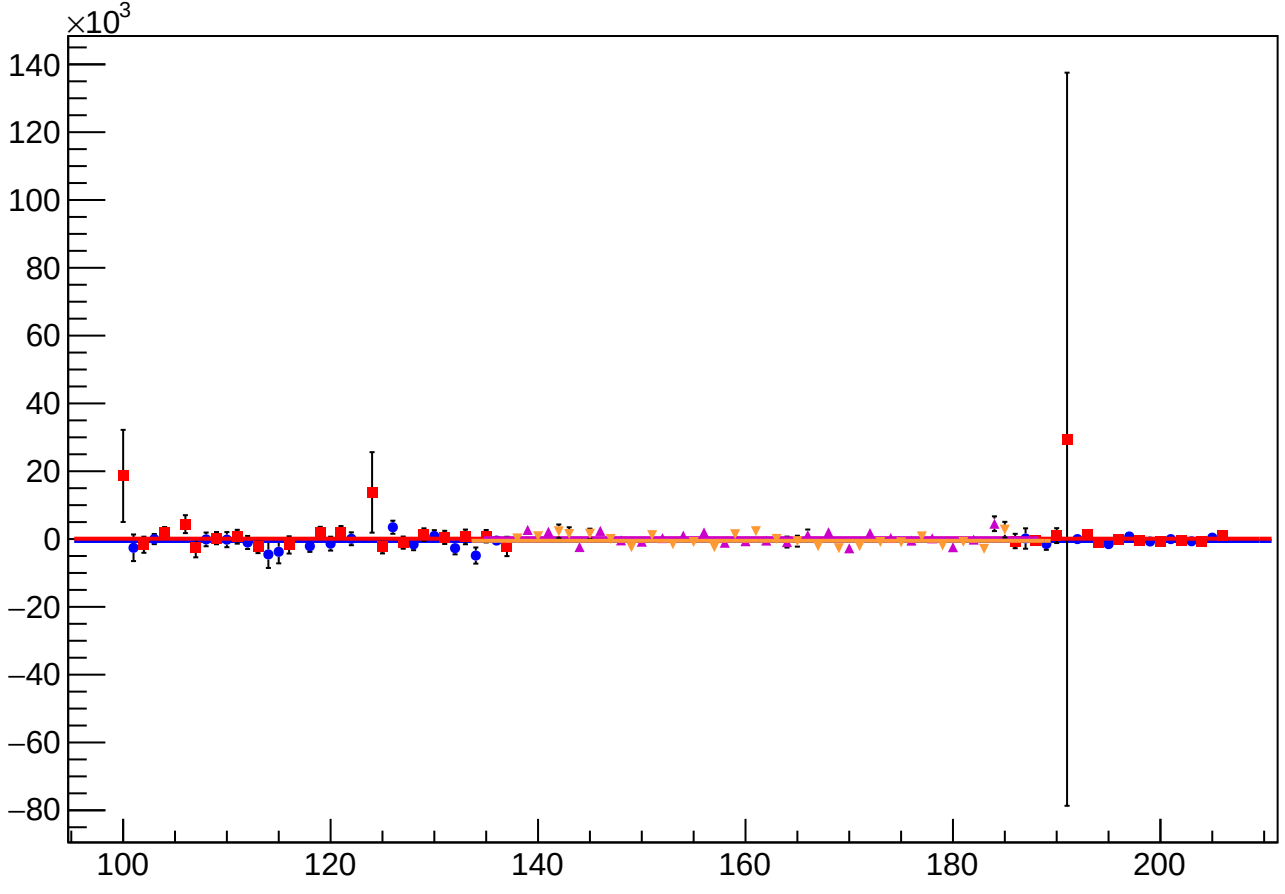
Right Out: 496.037+/-0.112 χ^2/NDF: 12302824.5/30

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 294.644+/-0.043 χ^2/NDF: 18207987.3/49

All: 300.251+/-0.031 χ^2/NDF: 36797046.9/10

- sign 306.131+/-0.044 χ^2/NDF: 18553622.3/53



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 105.587+/-322.696 χ^2/NDF: 19.7/30

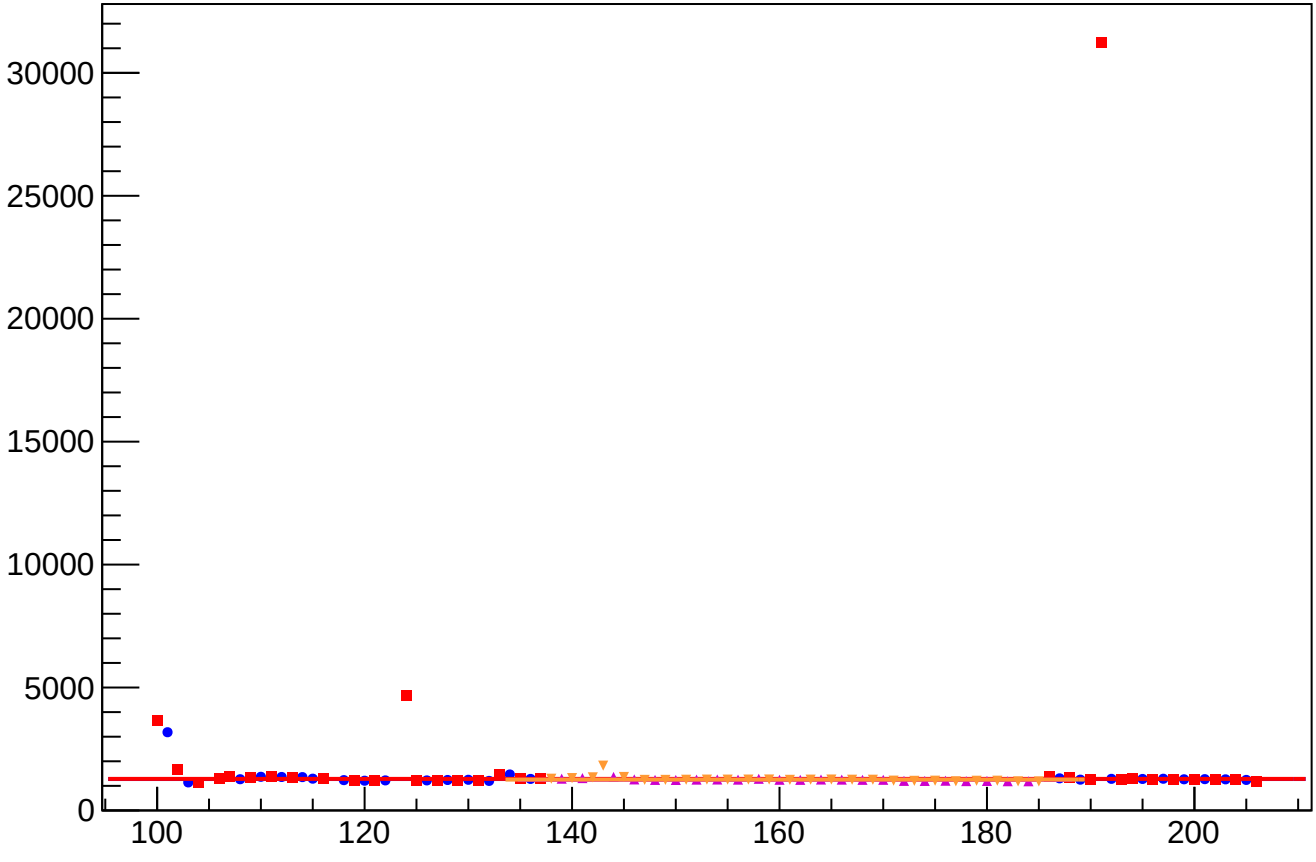
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -536.151+/-219.862 χ^2/NDF: 47.1/49

All: -171.438+/-154.146 χ^2/NDF: 104.4/103

- sign 181.147+/-216.176 χ^2/NDF: 51.8/53

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

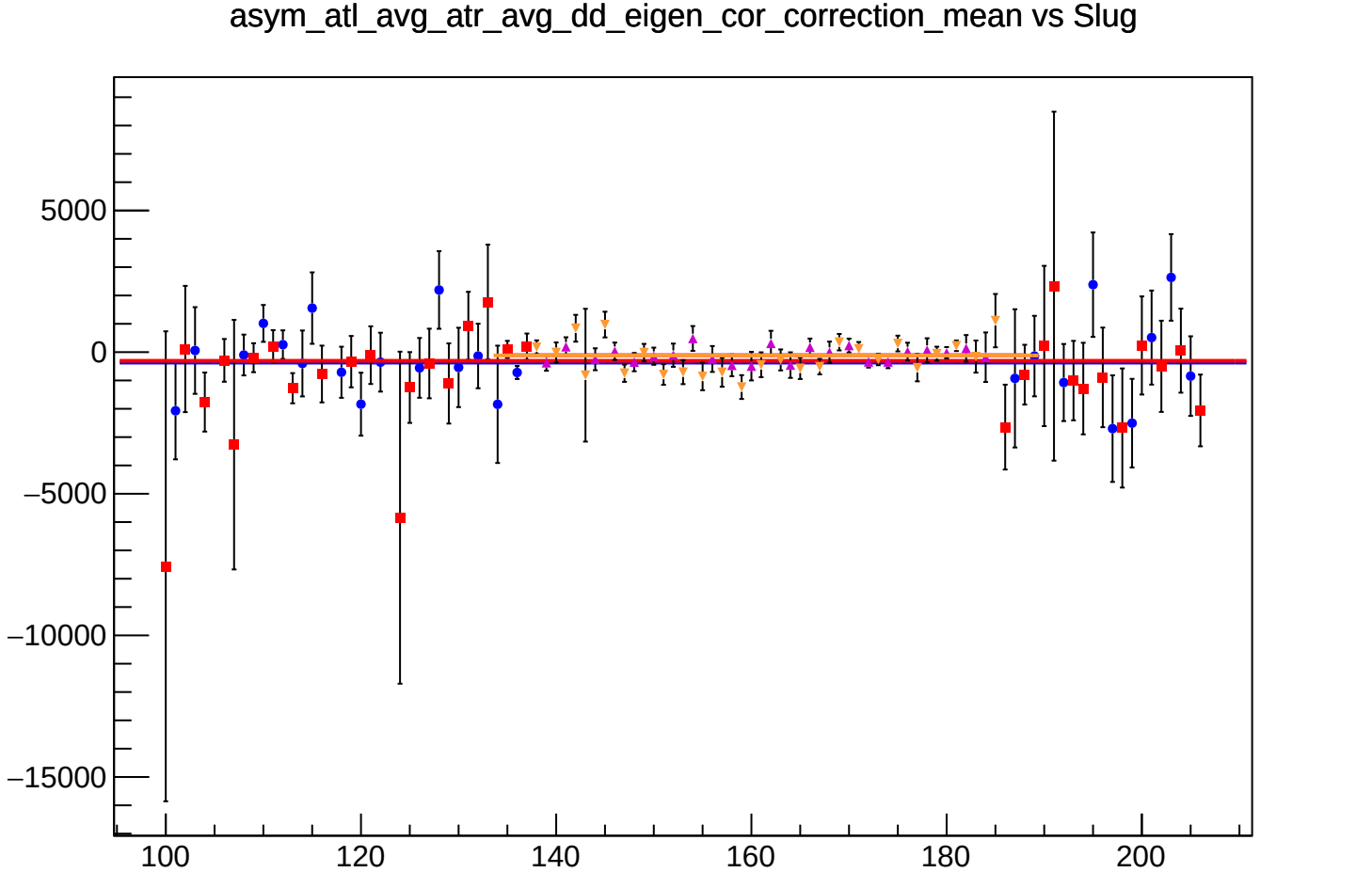
Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.936+/-0.155 χ^2/NDF: 729752.2/49

All: 1264.037+/-0.109 χ^2/NDF: 1291762.9/10

- sign 1263.166+/-0.153 χ^2/NDF: 561944.7/53



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

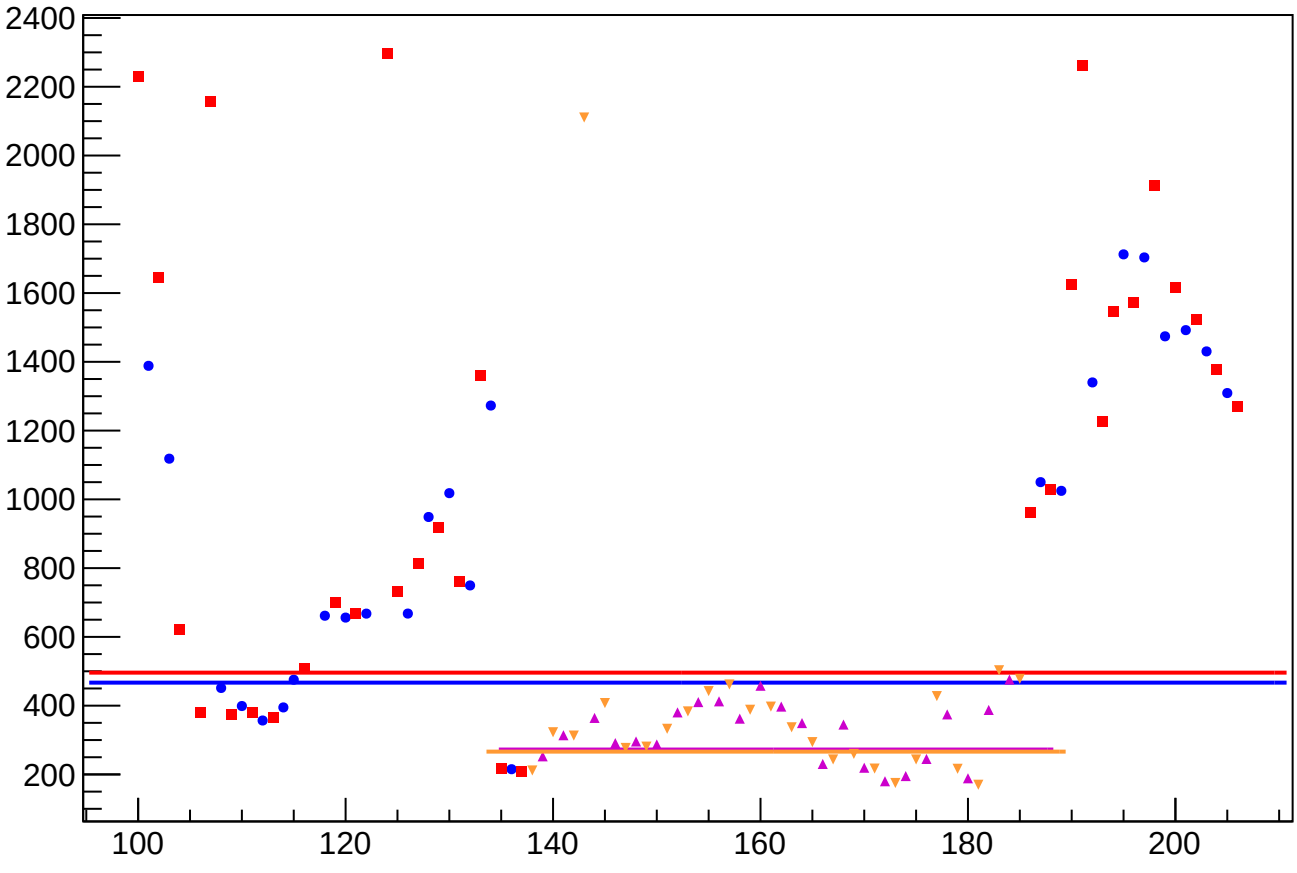
Right Out: -306.237+/-158.929 χ^2/NDF: 21.4/30

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -152.536+/-60.295 χ^2/NDF: 78.7/49

All: -145.175+/-43.137 χ^2/NDF: 115.2/103

- sign -137.458+/-61.740 χ^2/NDF: 36.4/53



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

Right Out: 496.037+/-0.112 χ^2/NDF: 12302824.5/30

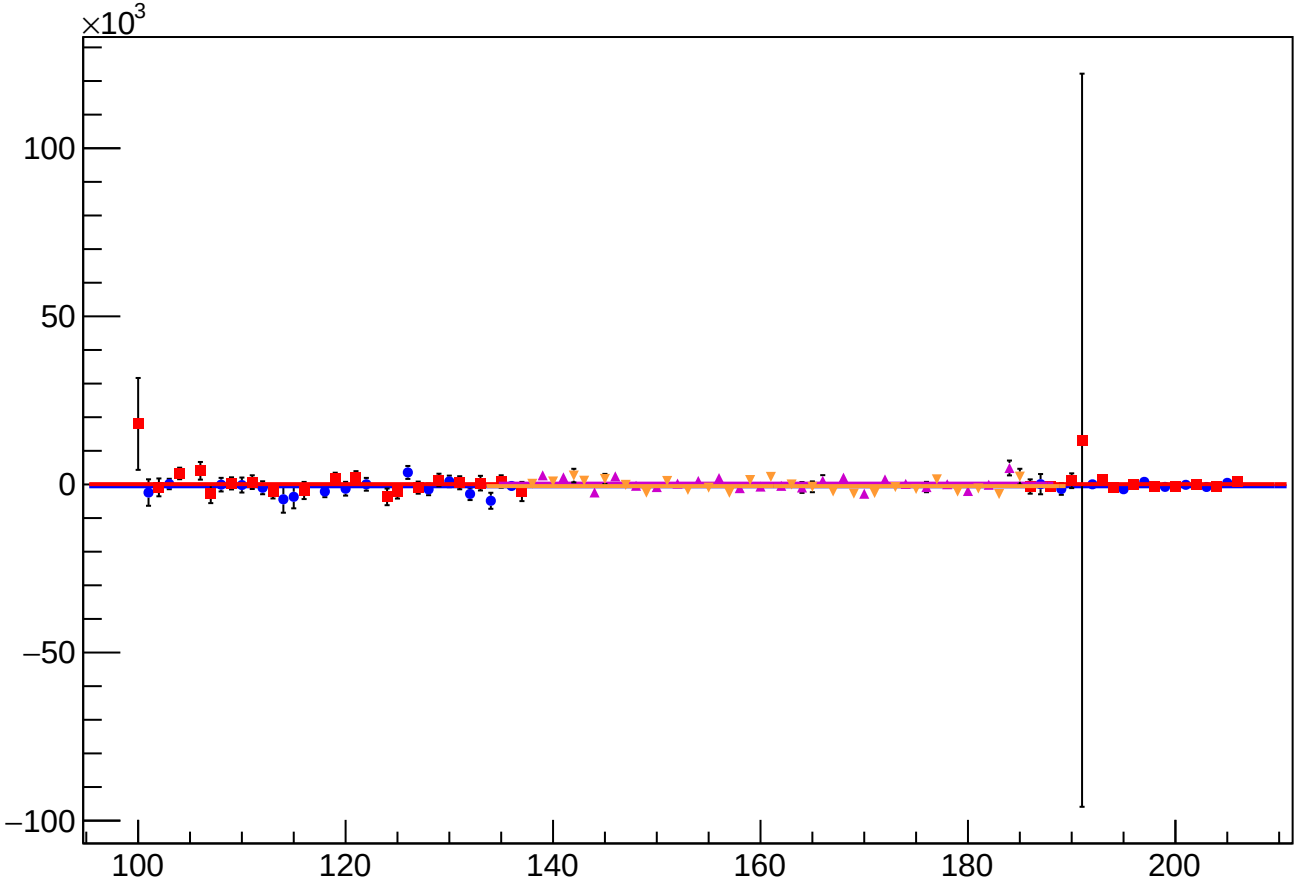
Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 294.644+/-0.043 χ^2/NDF: 18207987.3/49

All: 300.251+/-0.031 χ^2/NDF: 36797046.9/10

- sign 306.131+/-0.044 χ^2/NDF: 18553622.3/53

dit_asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -549.440+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 91.096+/-321.978 χ^2/NDF: 21.3/30

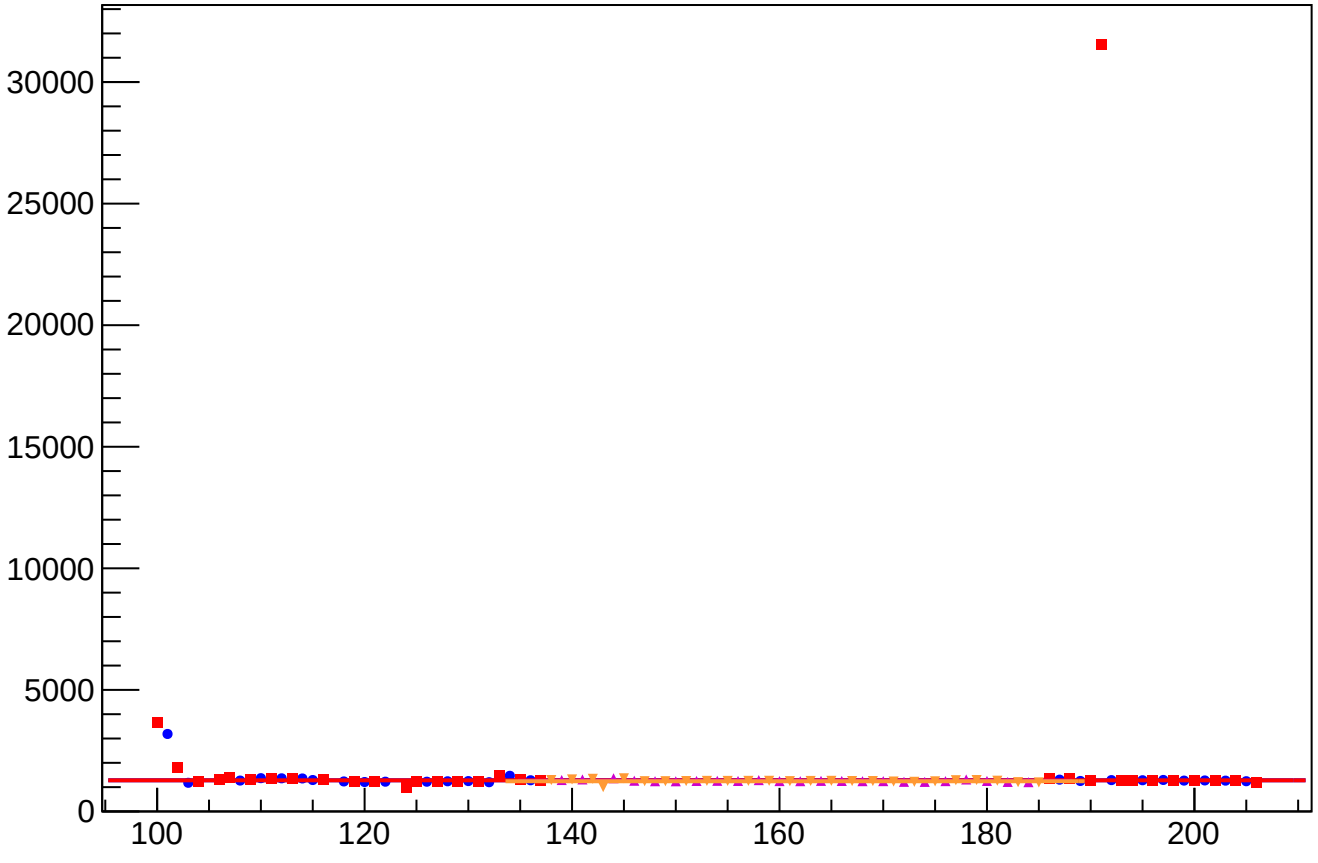
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -515.935+/-218.686 χ^2/NDF: 50.5/49

All: -169.036+/-154.122 χ^2/NDF: 107.7/103

- sign 173.304+/-217.244 χ^2/NDF: 52.1/53

dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1282.958+/-0.244 χ^2/NDF: 513246.0/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

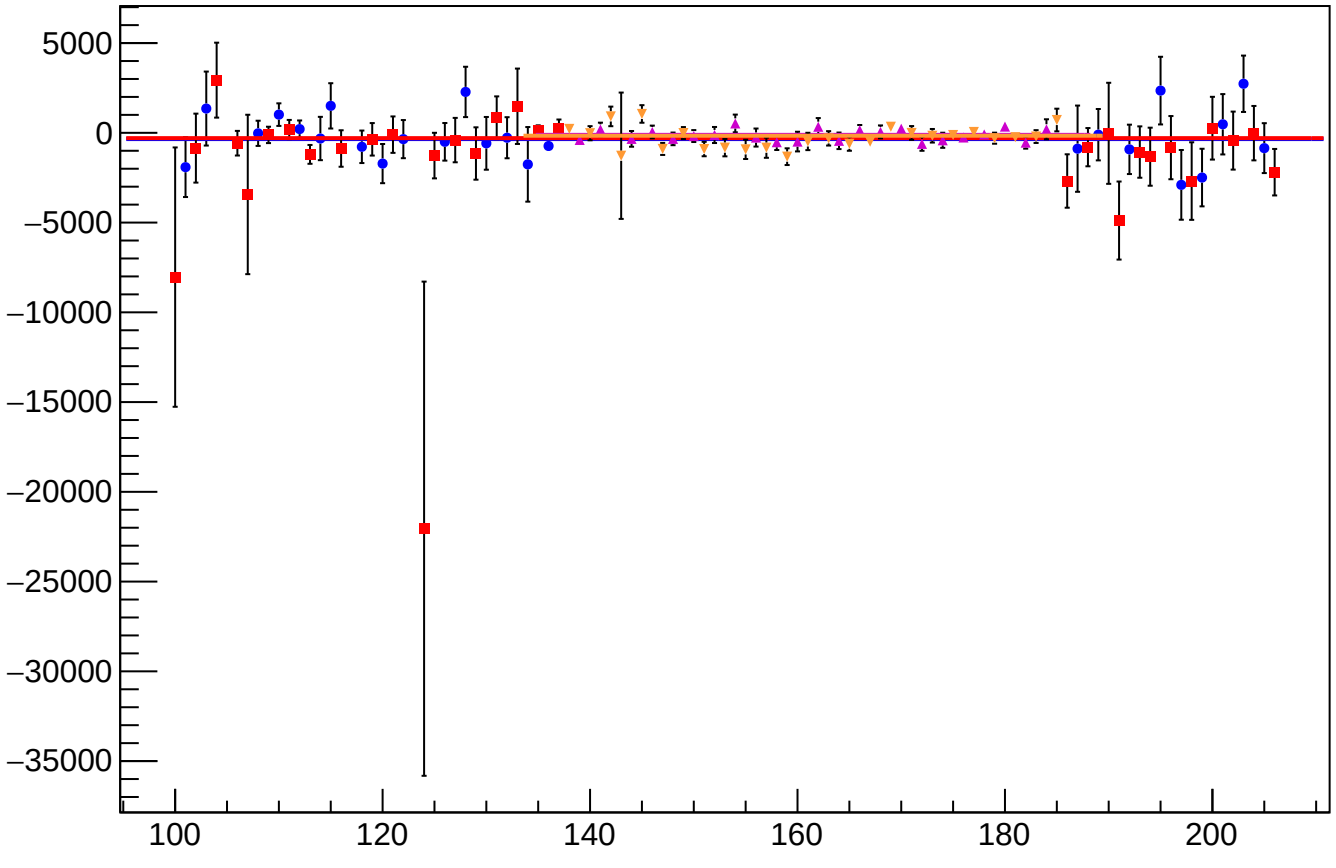
Right Out: 1281.036+/-0.228 χ^2/NDF: 387538.7/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.777+/-0.155 χ^2/NDF: 659689.9/49

All: 1264.238+/-0.109 χ^2/NDF: 1082247.6/10

- sign 1269.627+/-0.154 χ^2/NDF: 420079.8/53



Right In: -347.914+/-162.186 χ^2/NDF: 28.5/24

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

Right Out: -296.054+/-158.992 χ^2/NDF: 28.1/30

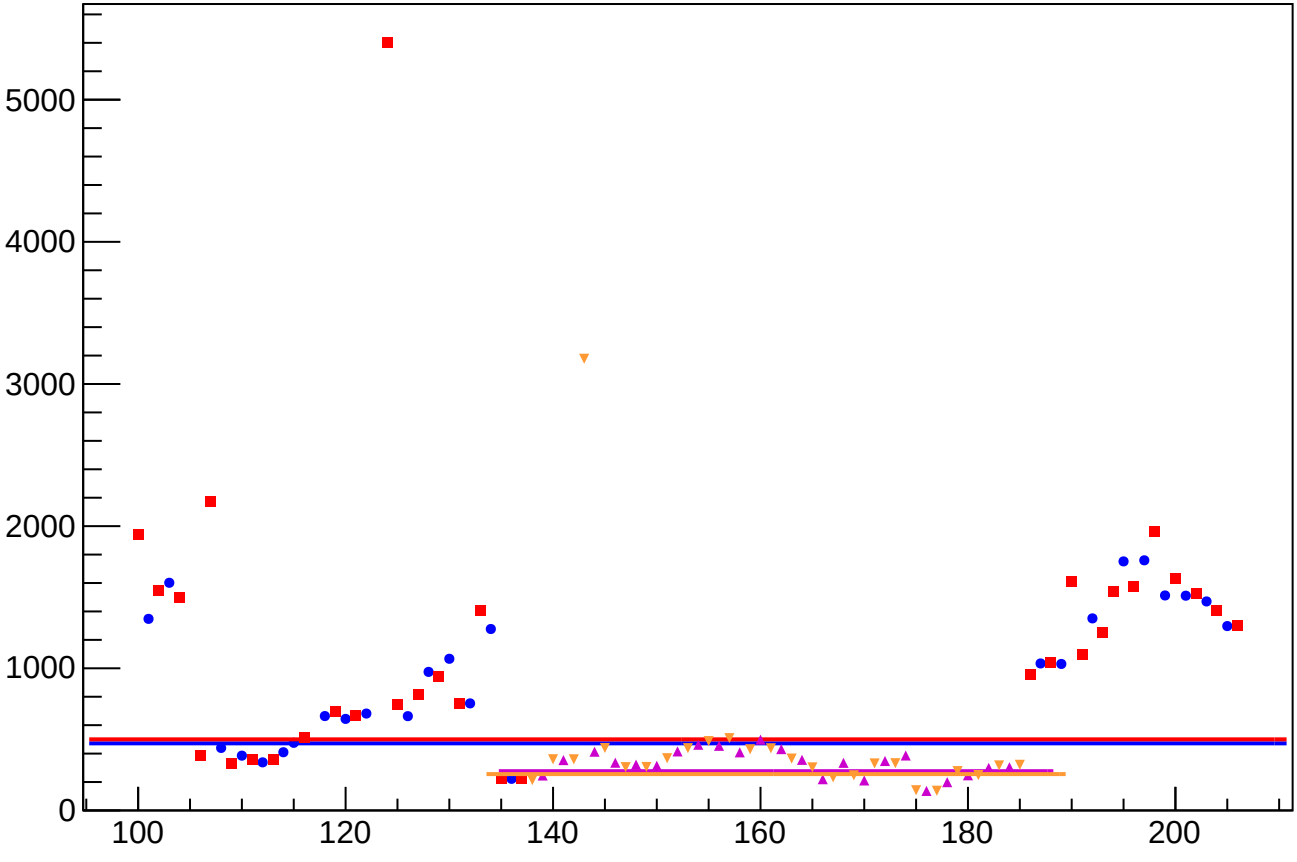
Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -186.213+/-59.639 χ^2/NDF: 73.4/49

All: -165.617+/-43.367 χ^2/NDF: 121.0/103

- sign -142.507+/-63.173 χ^2/NDF: 47.4/53

asym_atl_avg_atr_avg_dd_dit_correction_rms vs Slug



Right In: 472.069+/-0.115 χ^2/NDF: 11037924.1/24

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

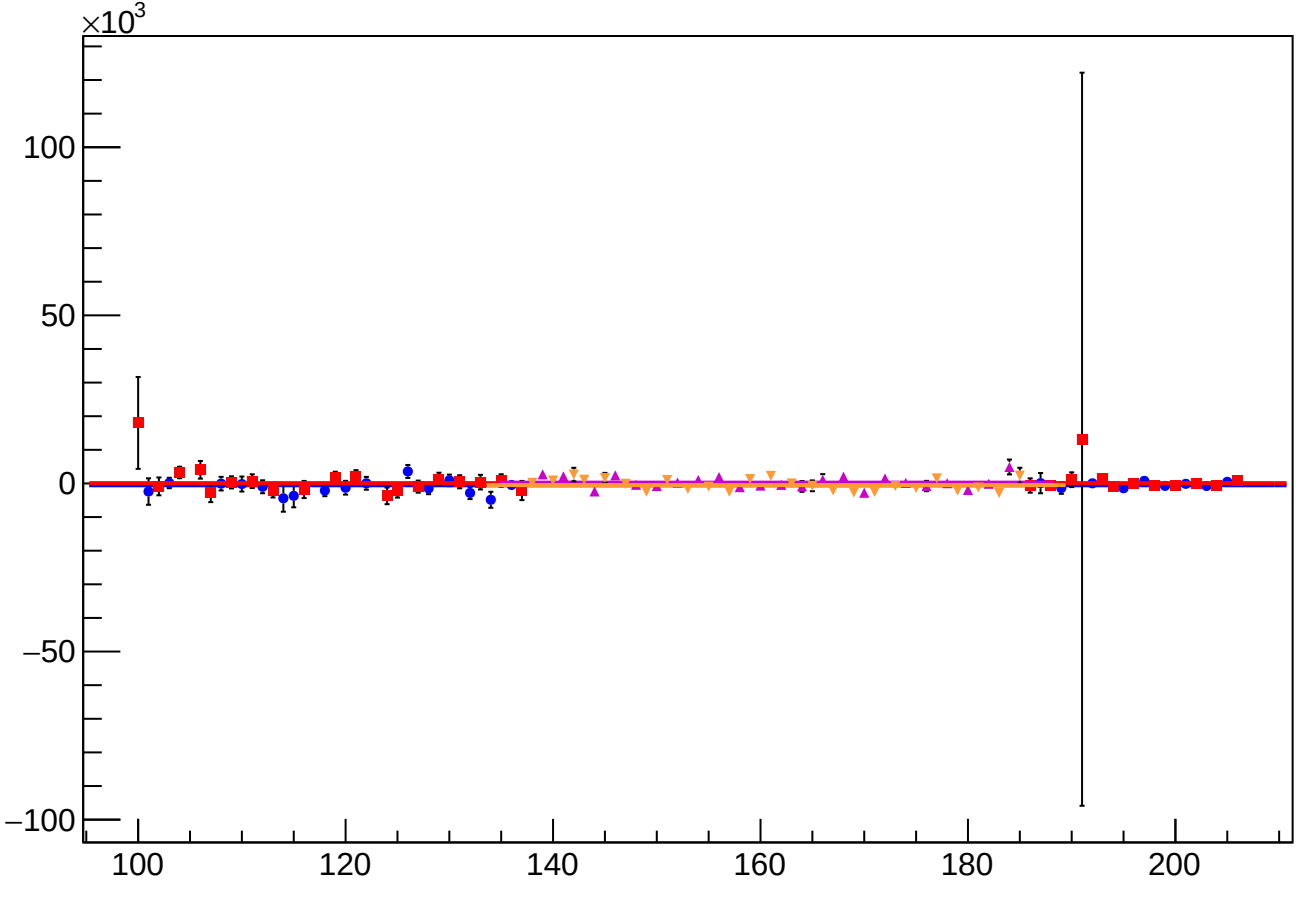
Right Out: 500.158+/-0.112 χ^2/NDF: 12831318.7/30

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 285.016+/-0.042 χ^2/NDF: 20488115.0/49

All: 297.563+/-0.031 χ^2/NDF: 40873617.1/10

- sign 311.640+/-0.045 χ^2/NDF: 20197667.3/53



Right In: -549.442+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 91.096+/-321.977 χ^2/NDF: 21.3/30

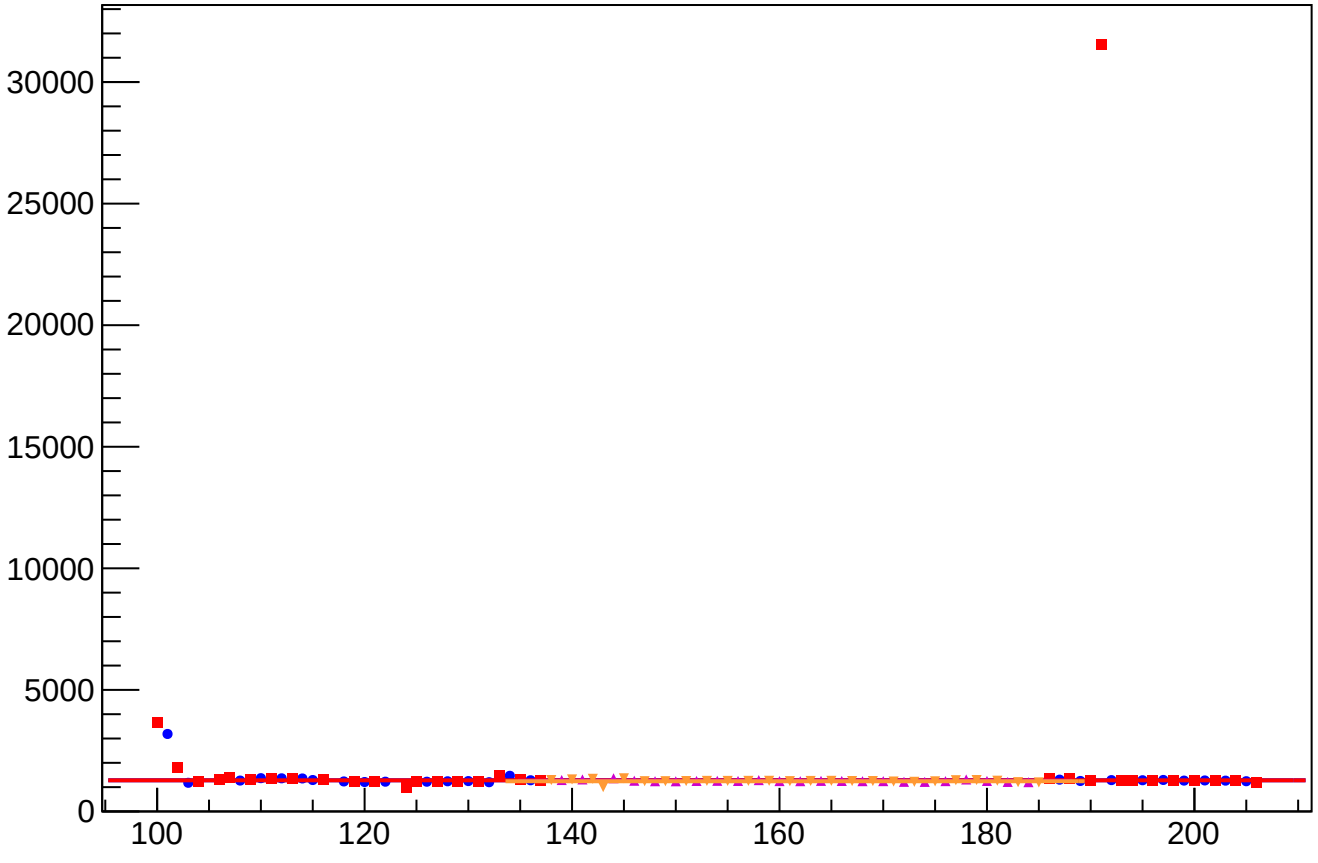
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -515.936+/-218.686 χ^2/NDF: 50.5/49

All: -169.036+/-154.122 χ^2/NDF: 107.7/103

- sign 173.303+/-217.244 χ^2/NDF: 52.1/53

eigen_dit_asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1282.958+/-0.244 χ^2/NDF: 513245.9/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

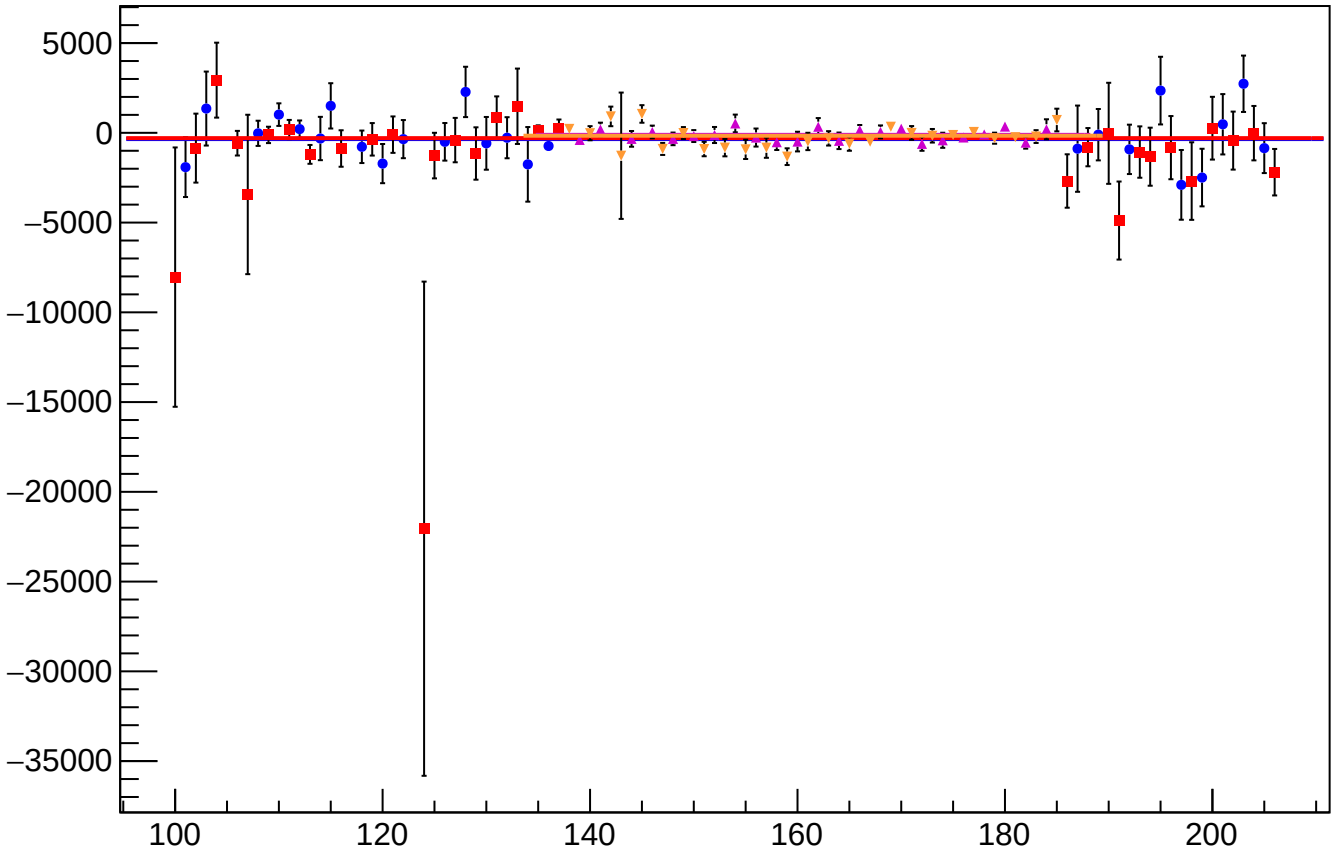
Right Out: 1281.036+/-0.228 χ^2/NDF: 387539.0/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.777+/-0.155 χ^2/NDF: 659689.0/49

All: 1264.238+/-0.109 χ^2/NDF: 1082247.1/10

- sign 1269.627+/-0.154 χ^2/NDF: 420080.2/53



Right In: -347.914+/-162.189 χ^2/NDF: 28.5/24

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

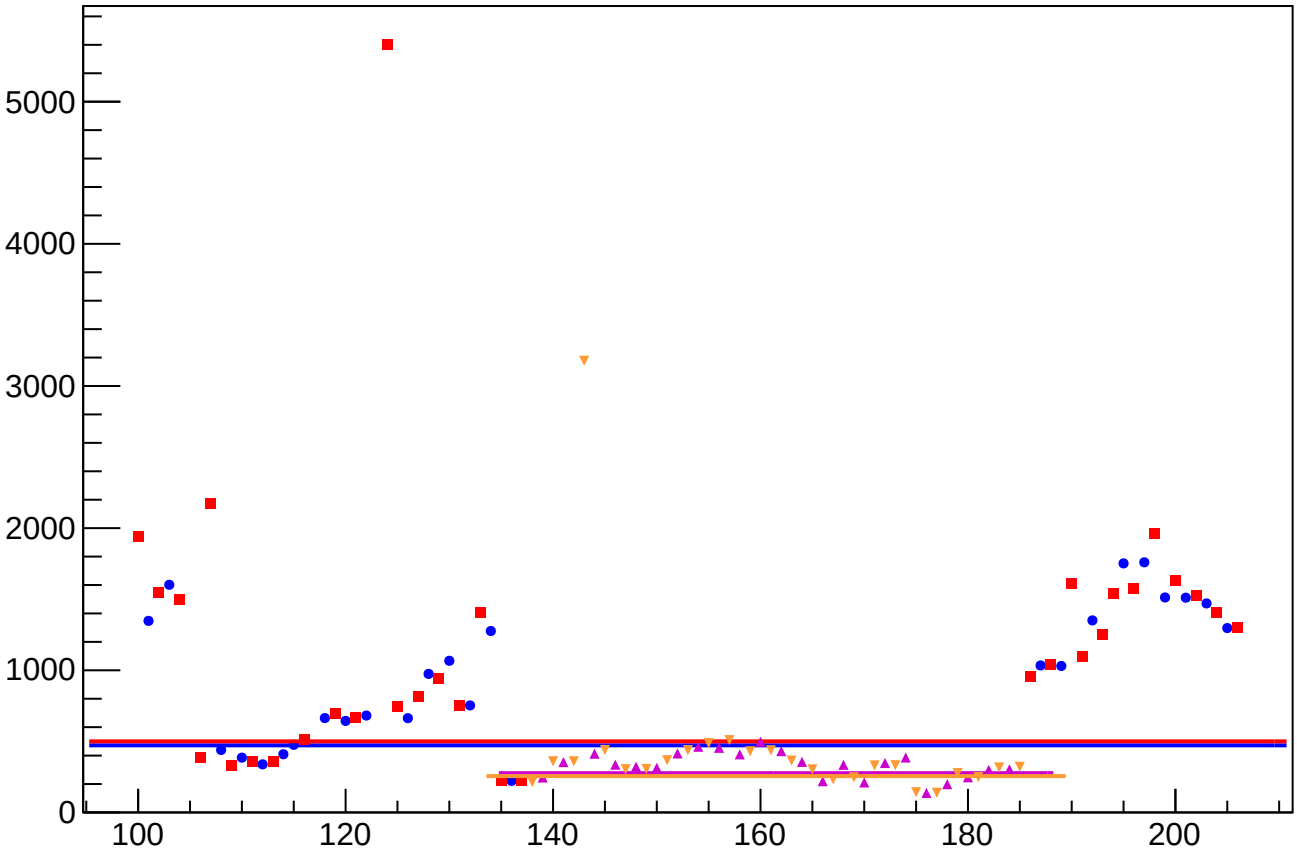
Right Out: -296.062+/-158.993 χ^2/NDF: 28.1/30

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -186.216+/-59.640 χ^2/NDF: 73.4/49

All: -165.618+/-43.367 χ^2/NDF: 121.0/103

- sign -142.507+/-63.173 χ^2/NDF: 47.4/53



Right In: 472.081+/-0.115 χ^2/NDF: 11037600.4/24

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 500.167+/-0.112 χ^2/NDF: 12831032.7/30

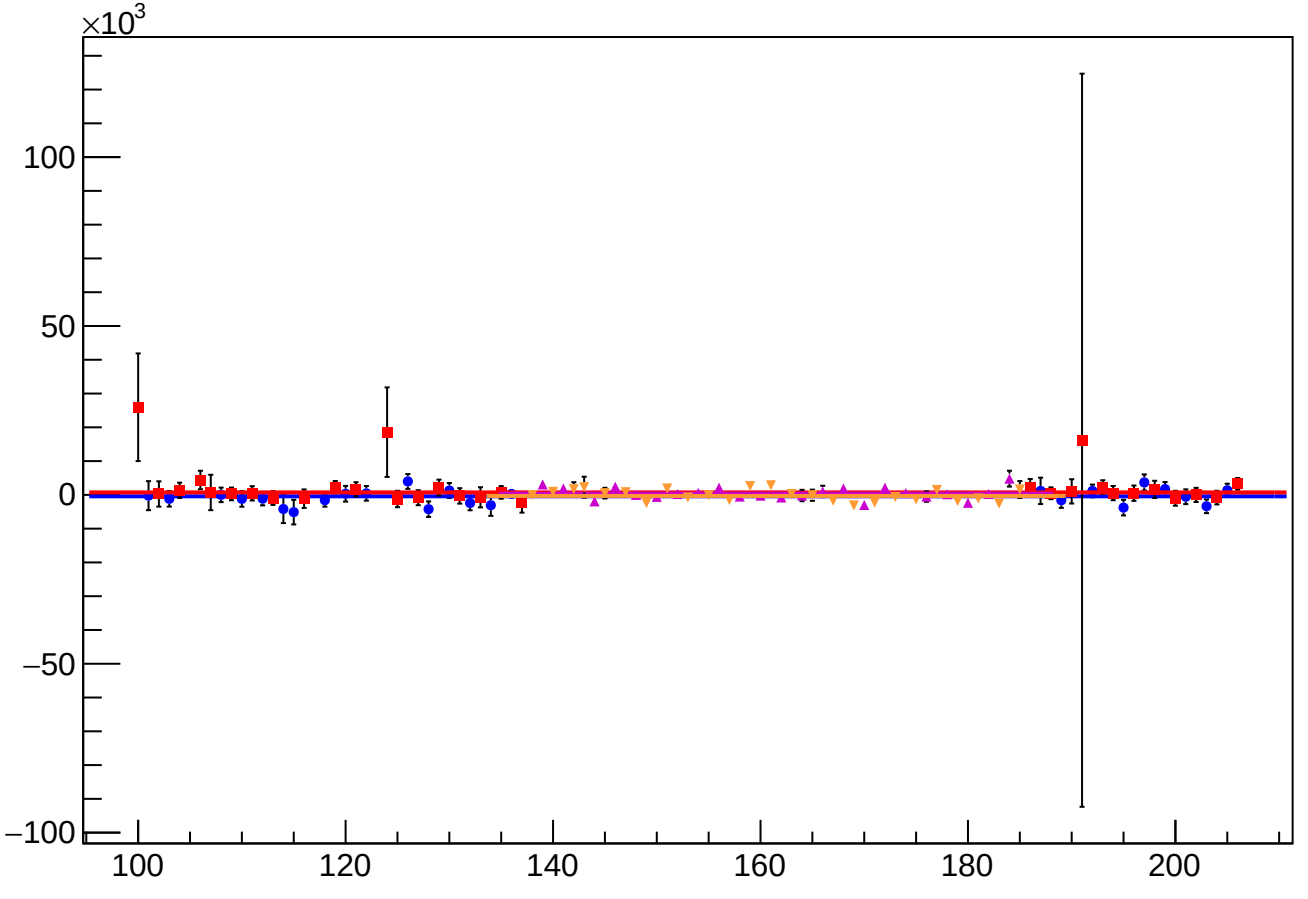
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 285.018+/-0.042 χ^2/NDF: 20487907.6/49

All: 297.565+/-0.031 χ^2/NDF: 40873275.7/10

- sign 311.642+/-0.045 χ^2/NDF: 20197546.6/53

asym_atl_avg_atr_avg_dd_mean vs Slug



Right In: -425.909+/-447.382 χ^2/NDF: 22.9/24

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 731.385+/-426.611 χ^2/NDF: 15.9/30

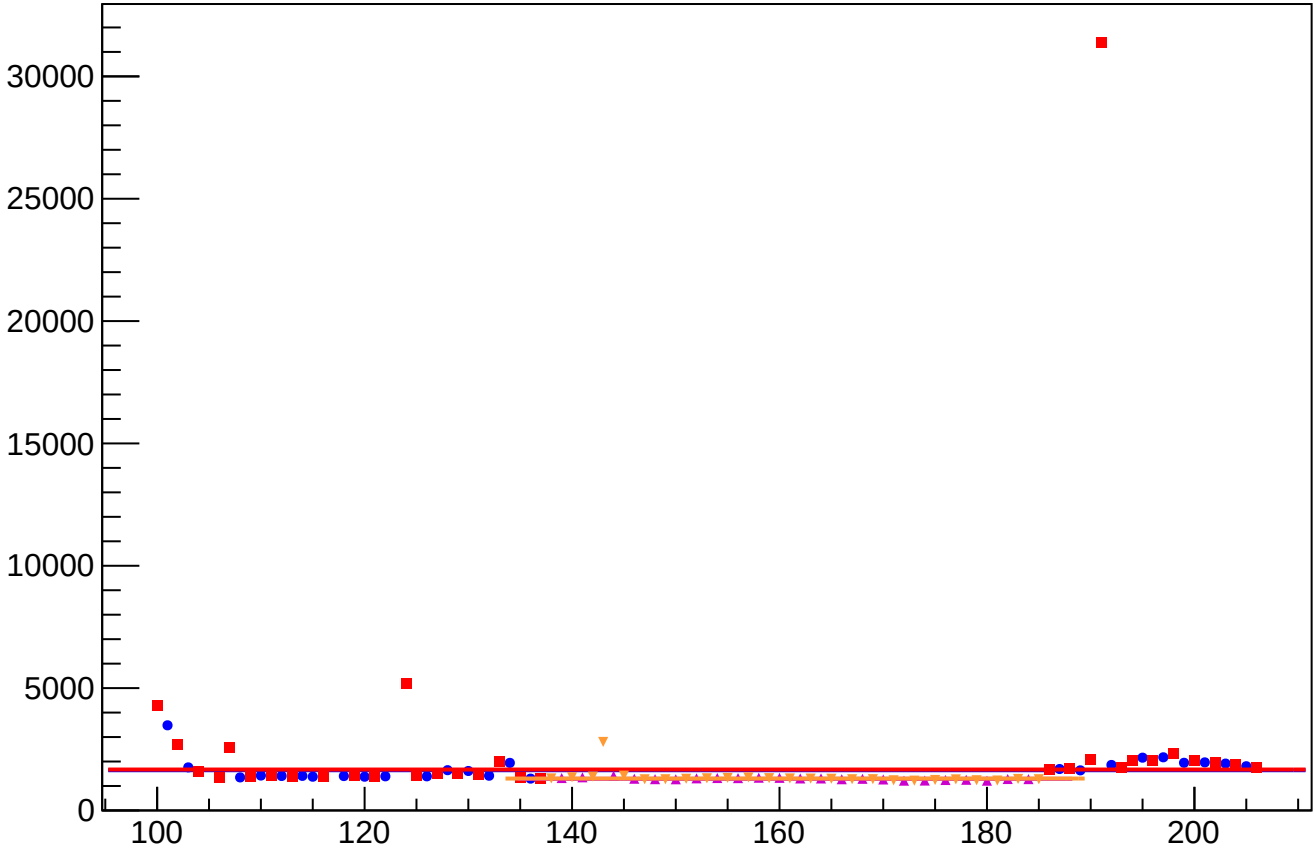
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -352.412+/-248.172 χ^2/NDF: 54.4/49

All: 67.481+/-174.867 χ^2/NDF: 106.3/103

- sign 481.520+/-246.436 χ^2/NDF: 46.1/53

asym_atl_avg_atr_avg_dd_rms vs Slug



Right In: 1644.206+/-0.316 χ^2/NDF: 1101873.5/24

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

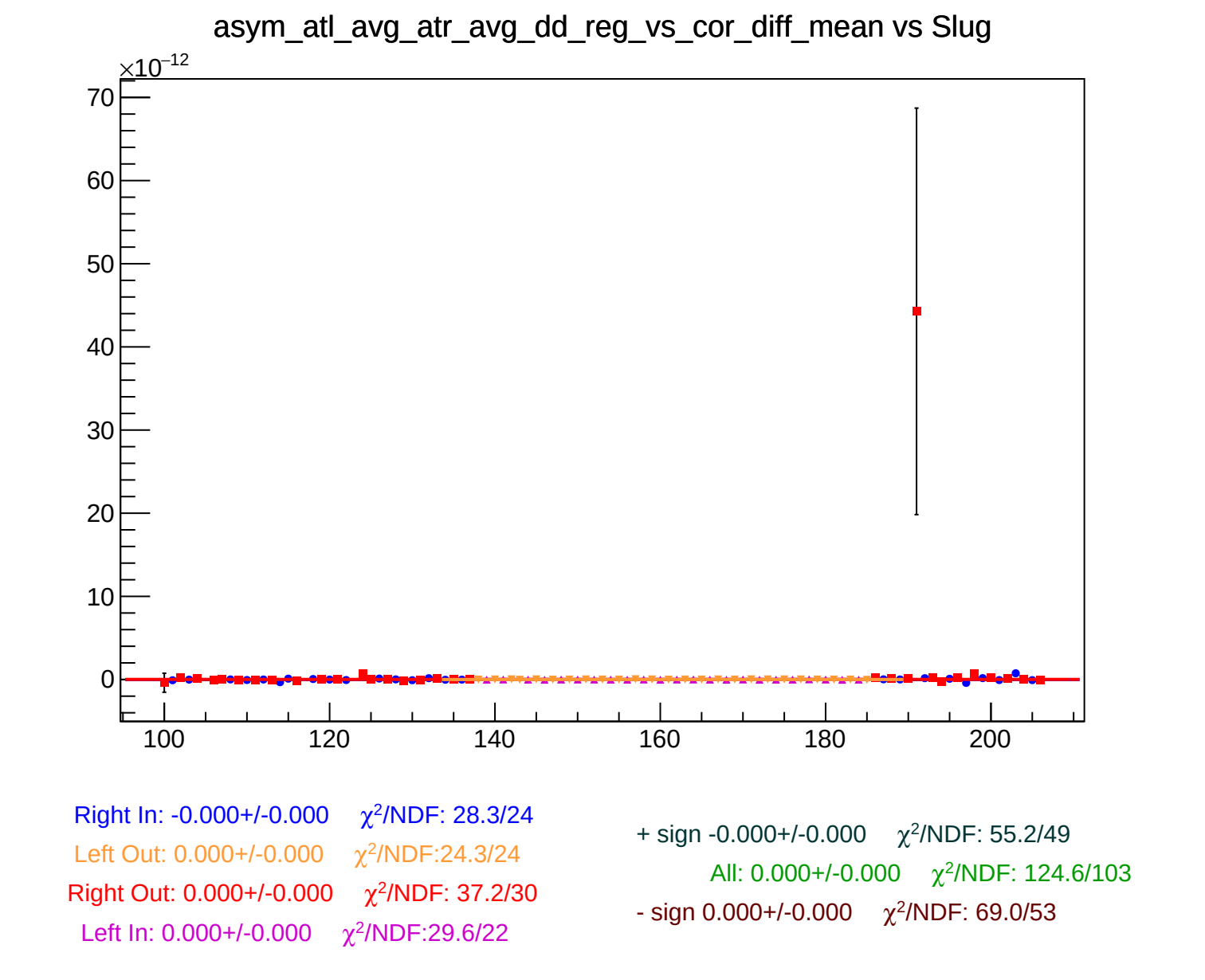
Right Out: 1672.588+/-0.302 χ^2/NDF: 1374227.9/30

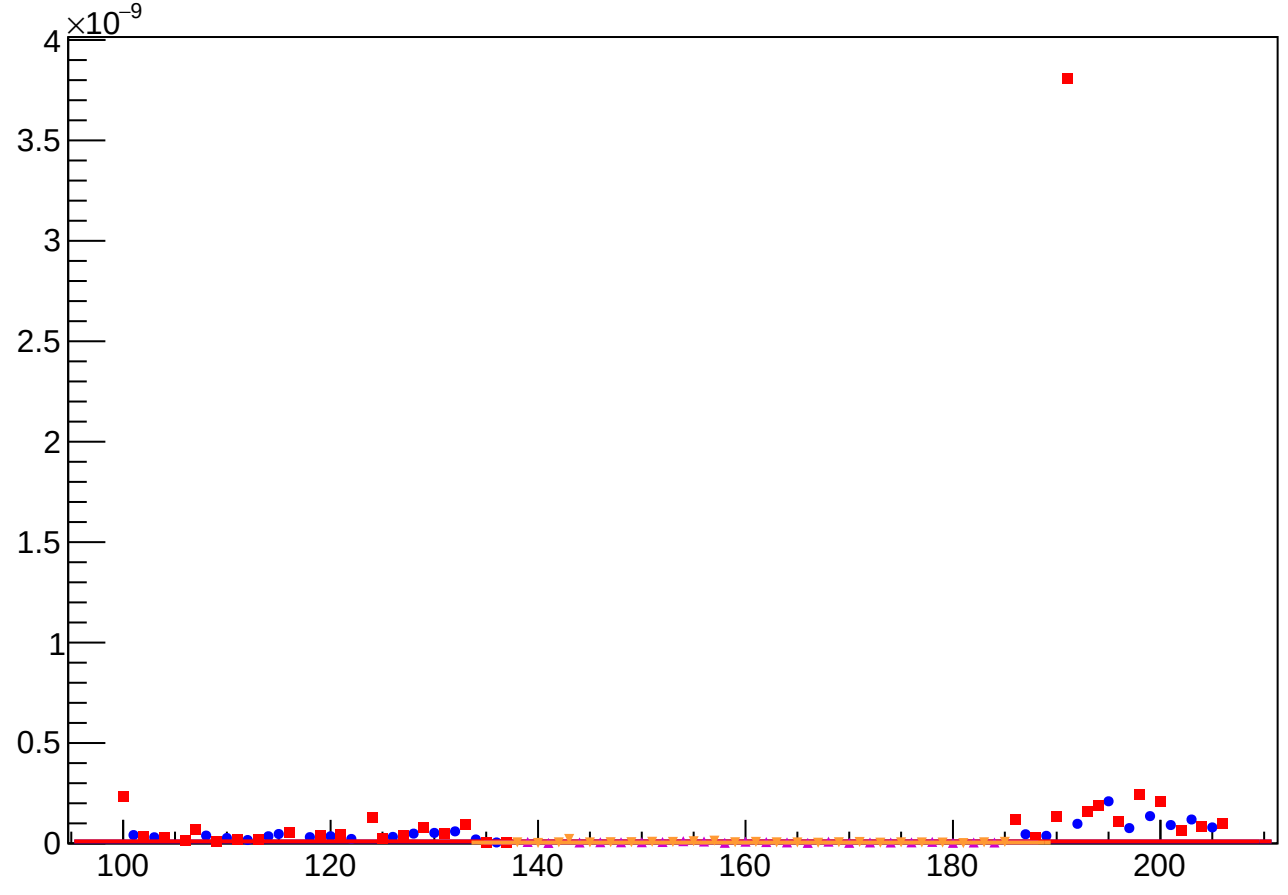
Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1408.795+/-0.175 χ^2/NDF: 2421396.4/49

All: 1413.974+/-0.124 χ^2/NDF: 4905615.2/10

- sign 1419.081+/-0.174 χ^2/NDF: 2482488.7/53


asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
70
60
50
40
30
20
10
0
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.3/24
Left Out: 0.000+/-0.000 χ²/NDF:24.3/24
Right Out: 0.000+/-0.000 χ²/NDF: 37.2/30
Left In: 0.000+/-0.000 χ²/NDF:29.6/22
+ sign -0.000+/-0.000 χ²/NDF: 55.2/49
All: 0.000+/-0.000 χ²/NDF: 124.6/103
- sign 0.000+/-0.000 χ²/NDF: 69.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 6718649.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

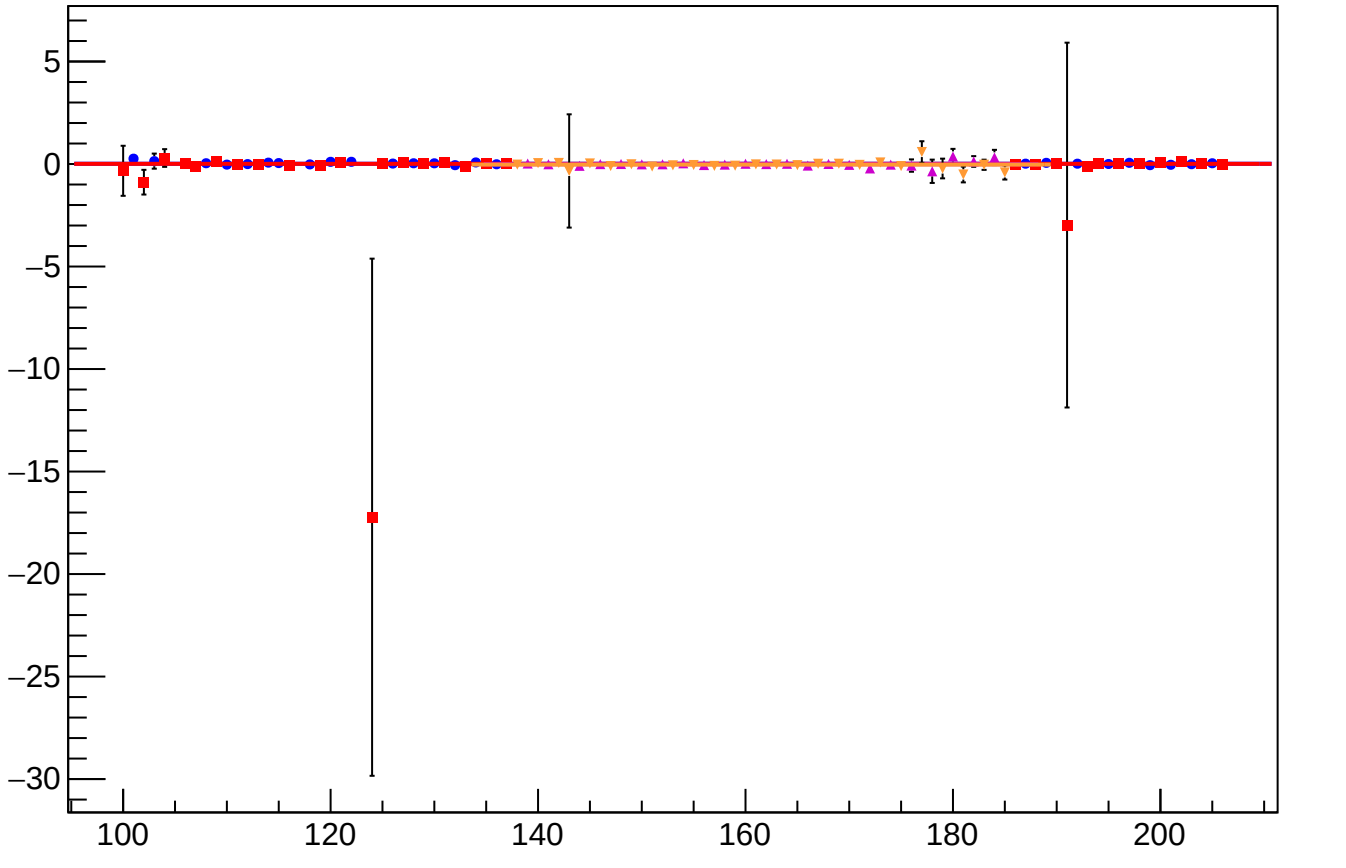
Right Out: 0.000+/-0.000 χ^2/NDF: 9284599.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10307278.9/49

All: 0.000+/-0.000 χ^2/NDF: 22436883.0/103

- sign 0.000+/-0.000 χ^2/NDF: 12102161.2/53



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

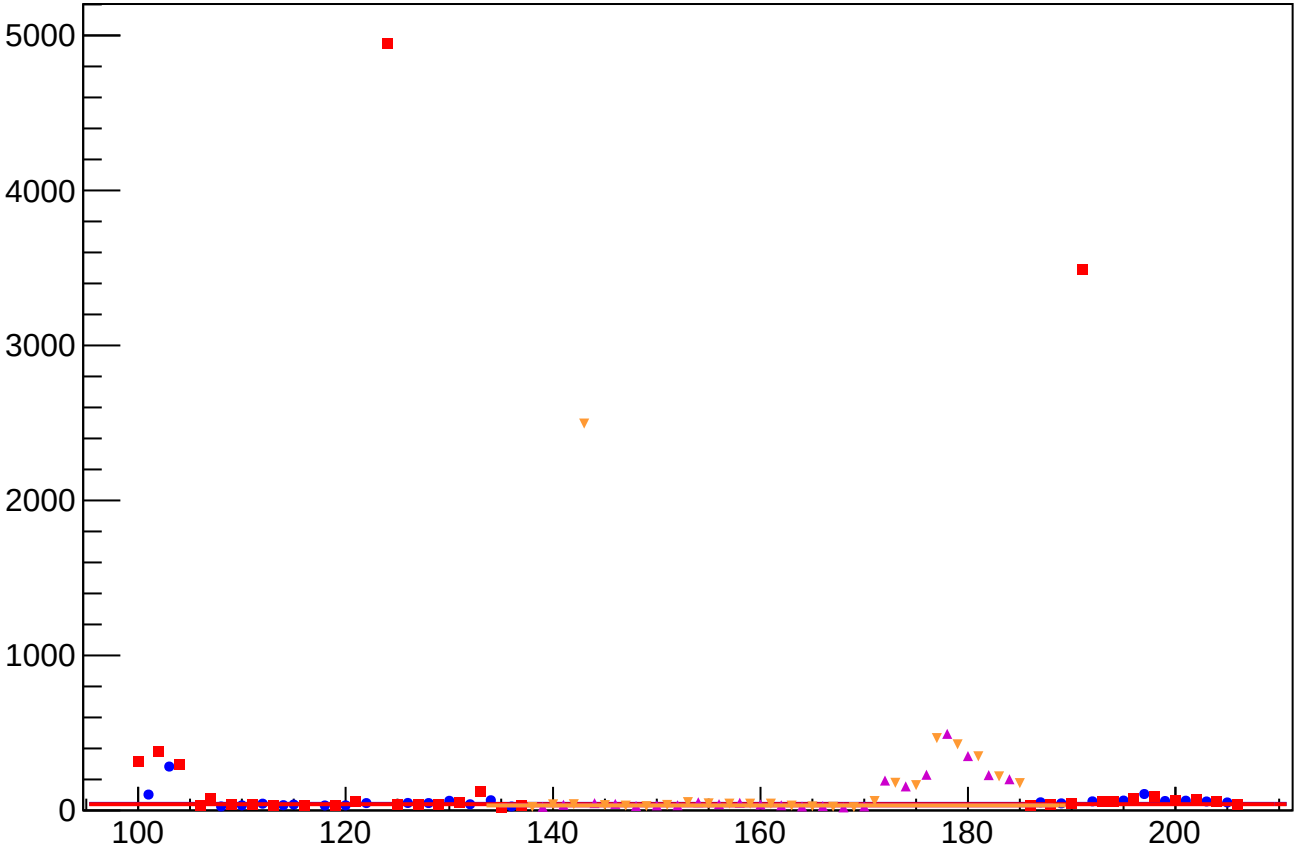
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/103

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

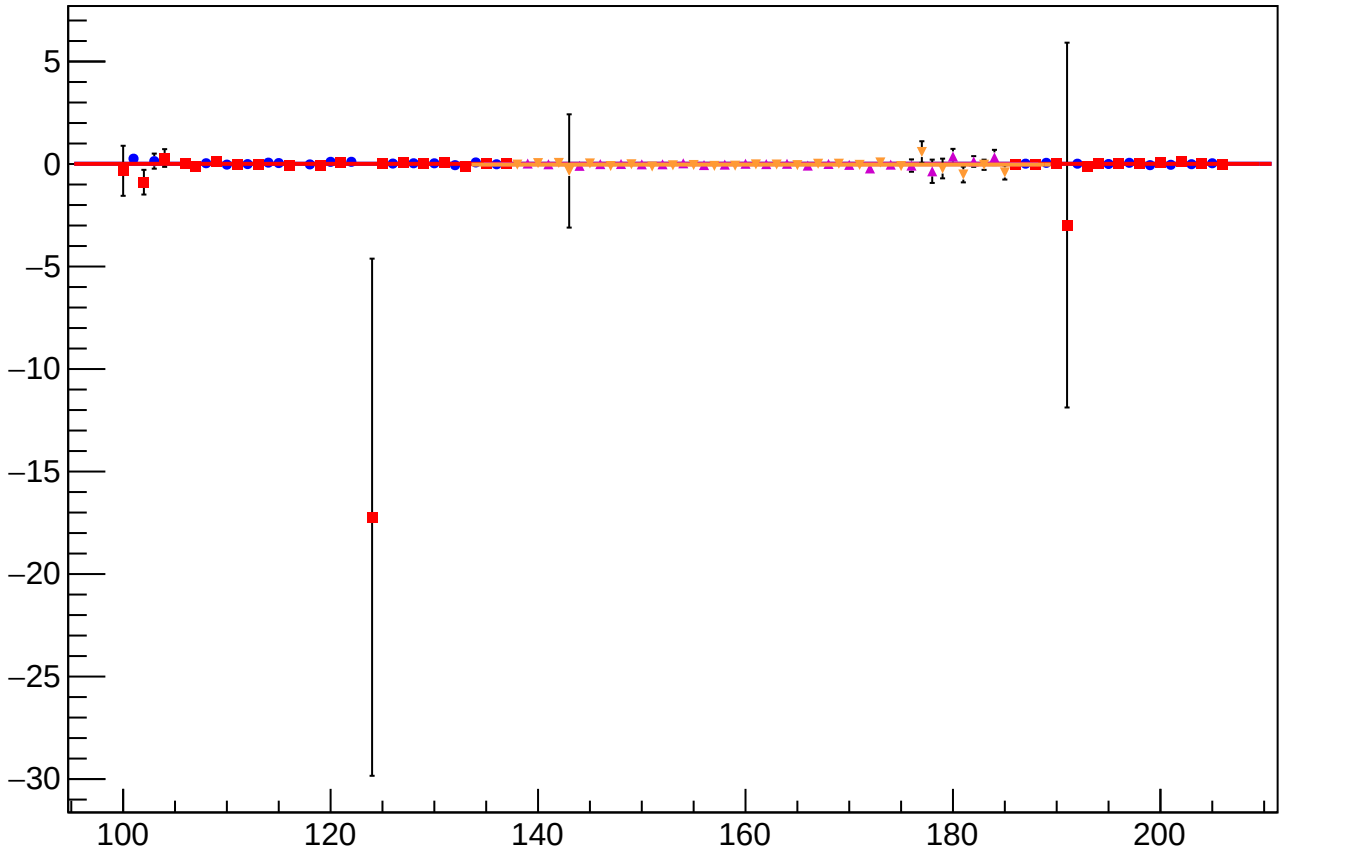
Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618302.2/49

All: 35.854+/-0.004 χ^2/NDF: 30506095.8/103

- sign 35.738+/-0.005 χ^2/NDF: 14886780.8/53



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

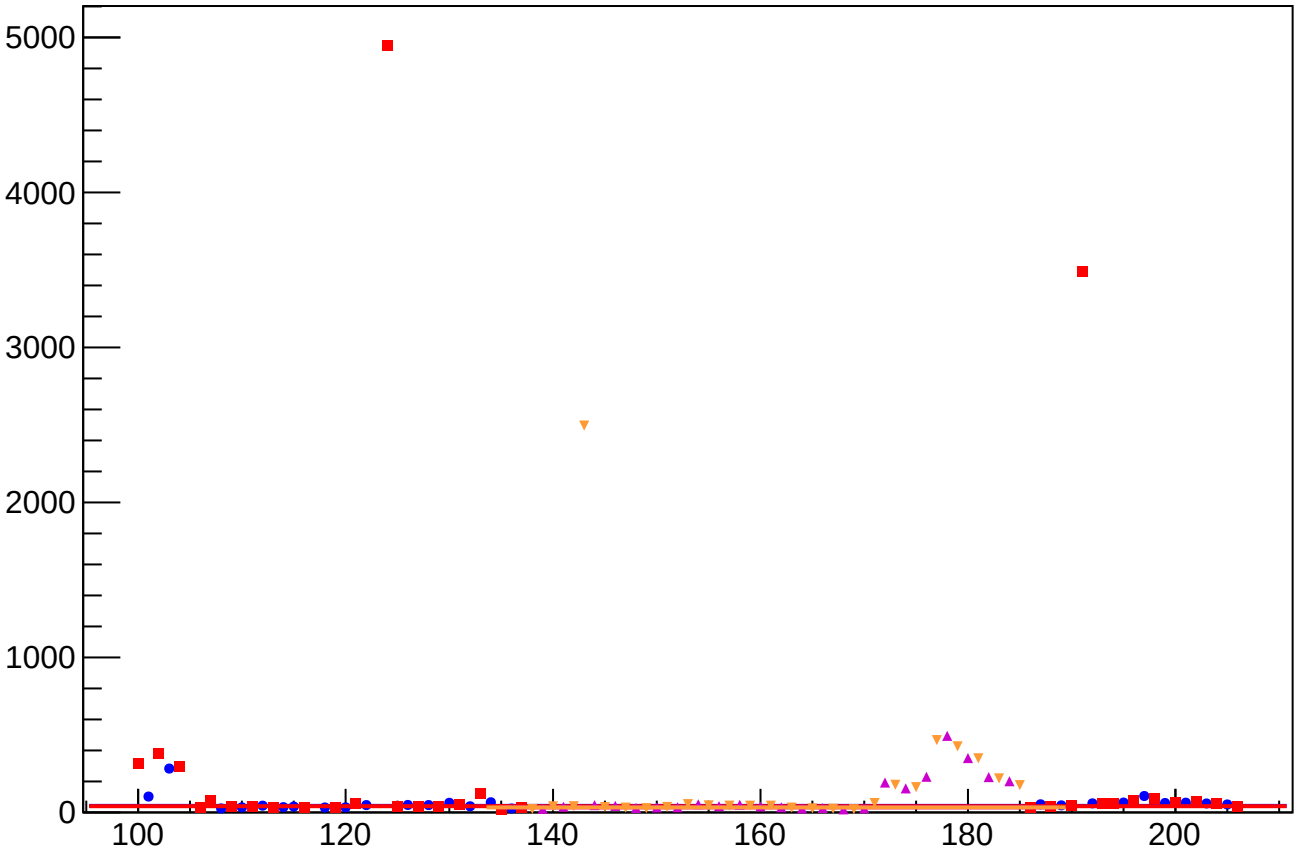
Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/103

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

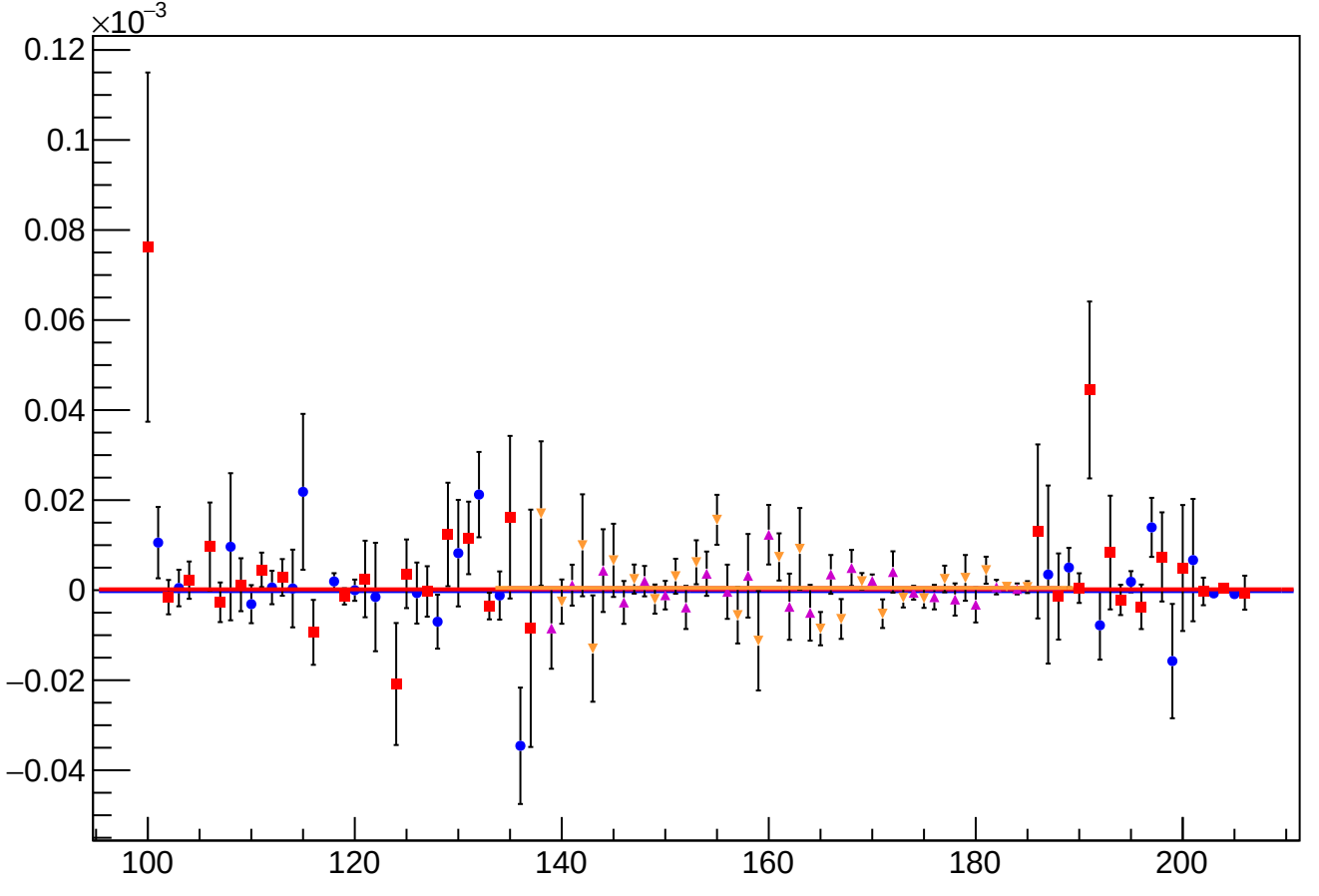
Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618302.2/49

All: 35.854+/-0.004 χ^2/NDF: 30506095.8/103

- sign 35.738+/-0.005 χ^2/NDF: 14886780.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

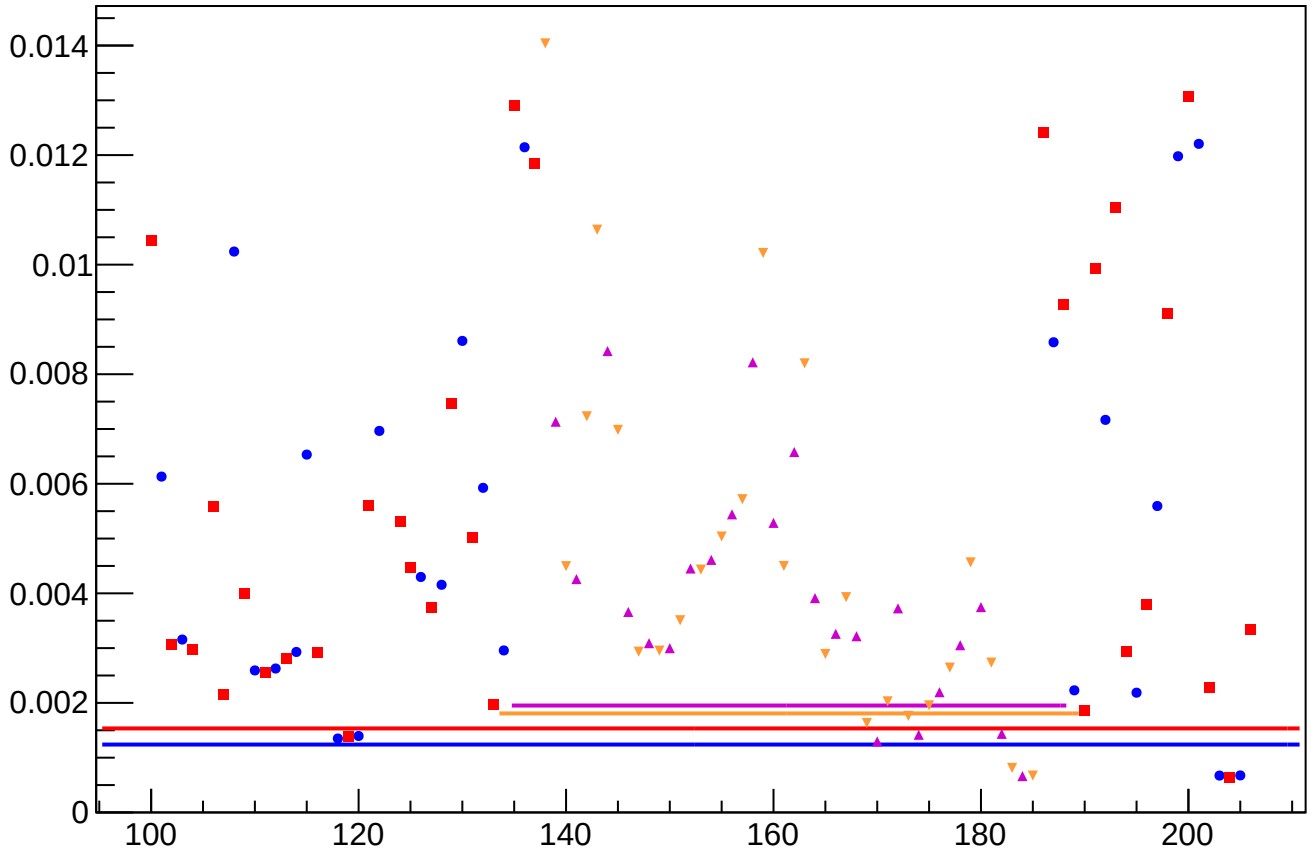
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/30

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.0/49

All: 0.000+/-0.000 χ^2/NDF: 107.0/103

- sign 0.000+/-0.000 χ^2/NDF: 39.9/53



Right In: 0.001+/-0.000 χ^2/NDF: 14011297.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

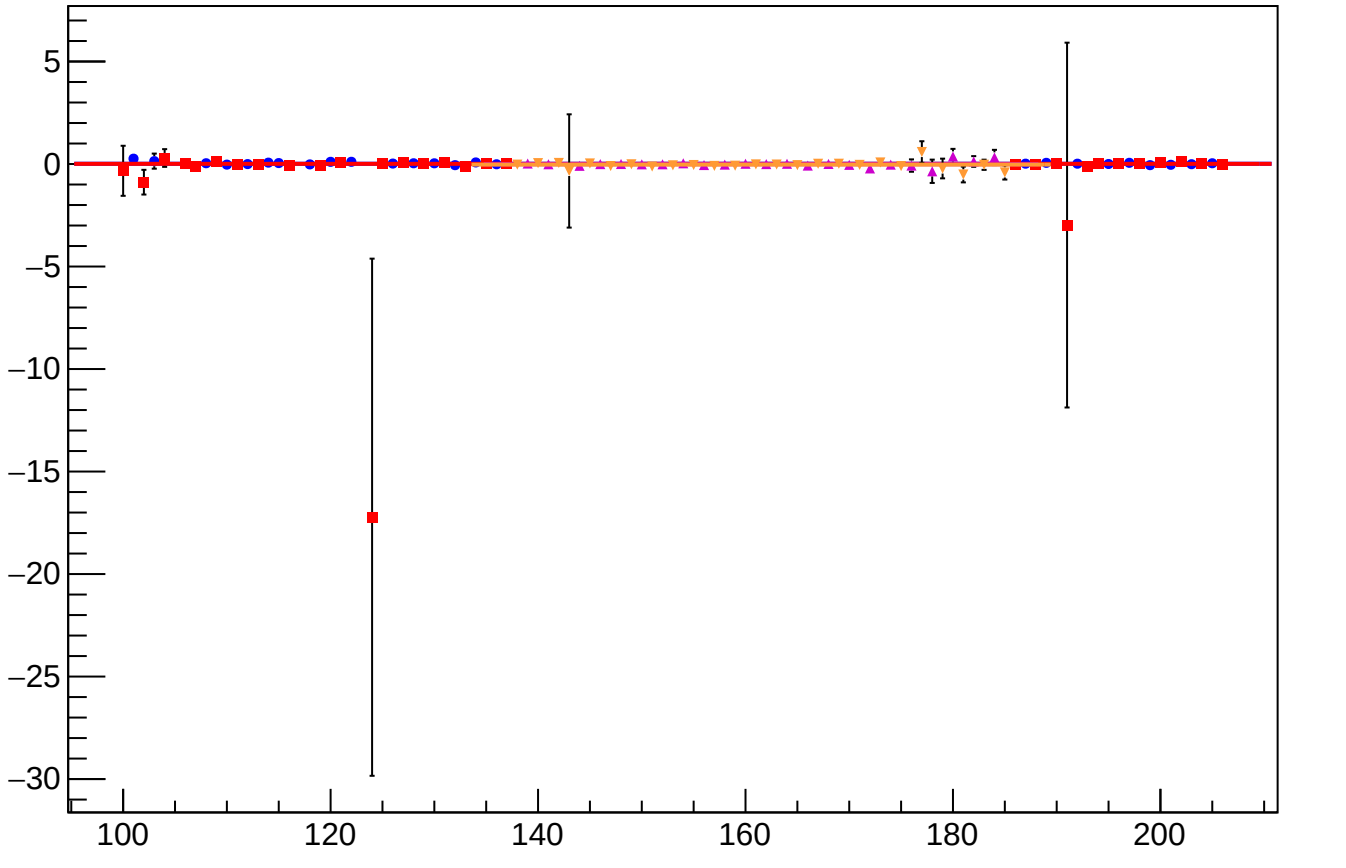
Right Out: 0.002+/-0.000 χ^2/NDF: 15411552.5/30

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 30091789.6/49

All: 0.002+/-0.000 χ^2/NDF: 57842135.8/103

- sign 0.002+/-0.000 χ^2/NDF: 27417185.8/53



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

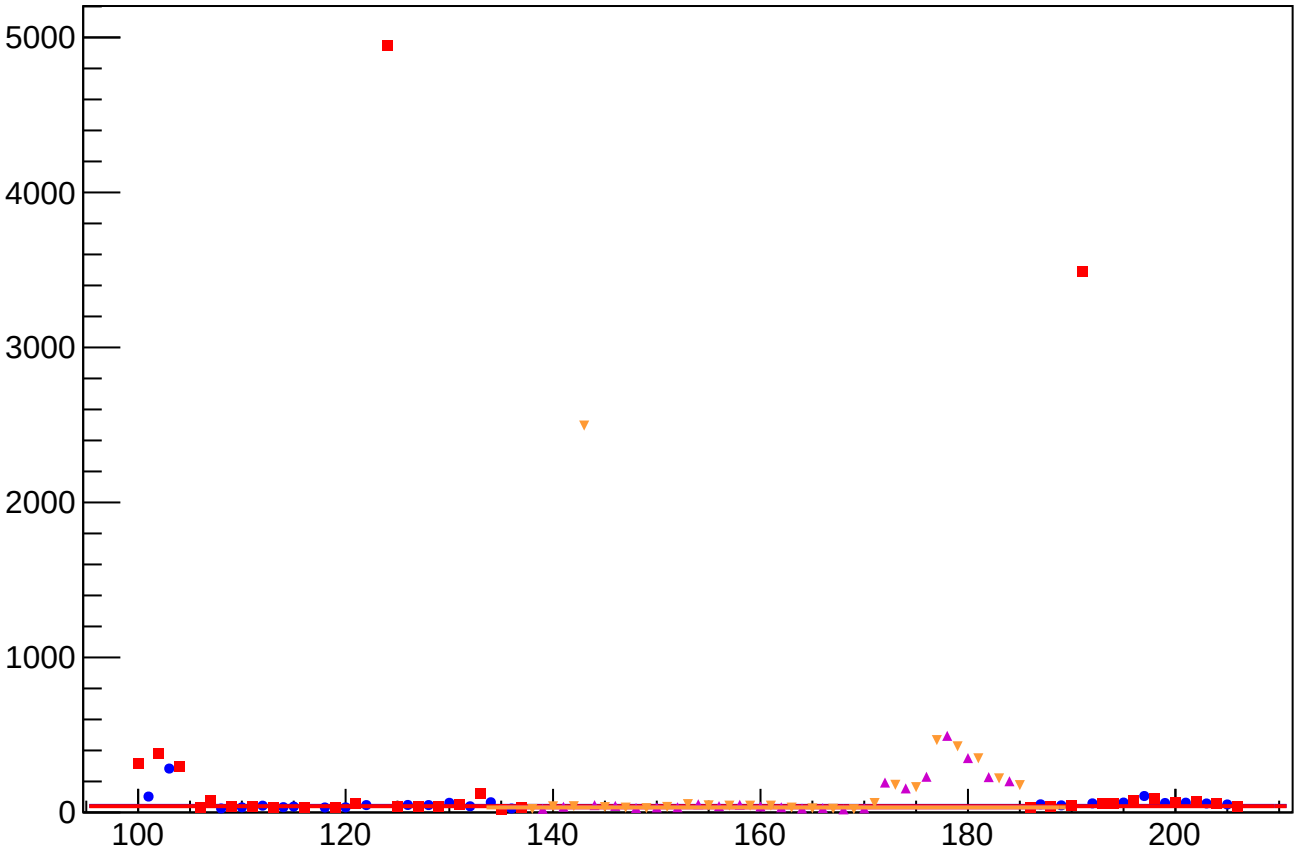
Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/103

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

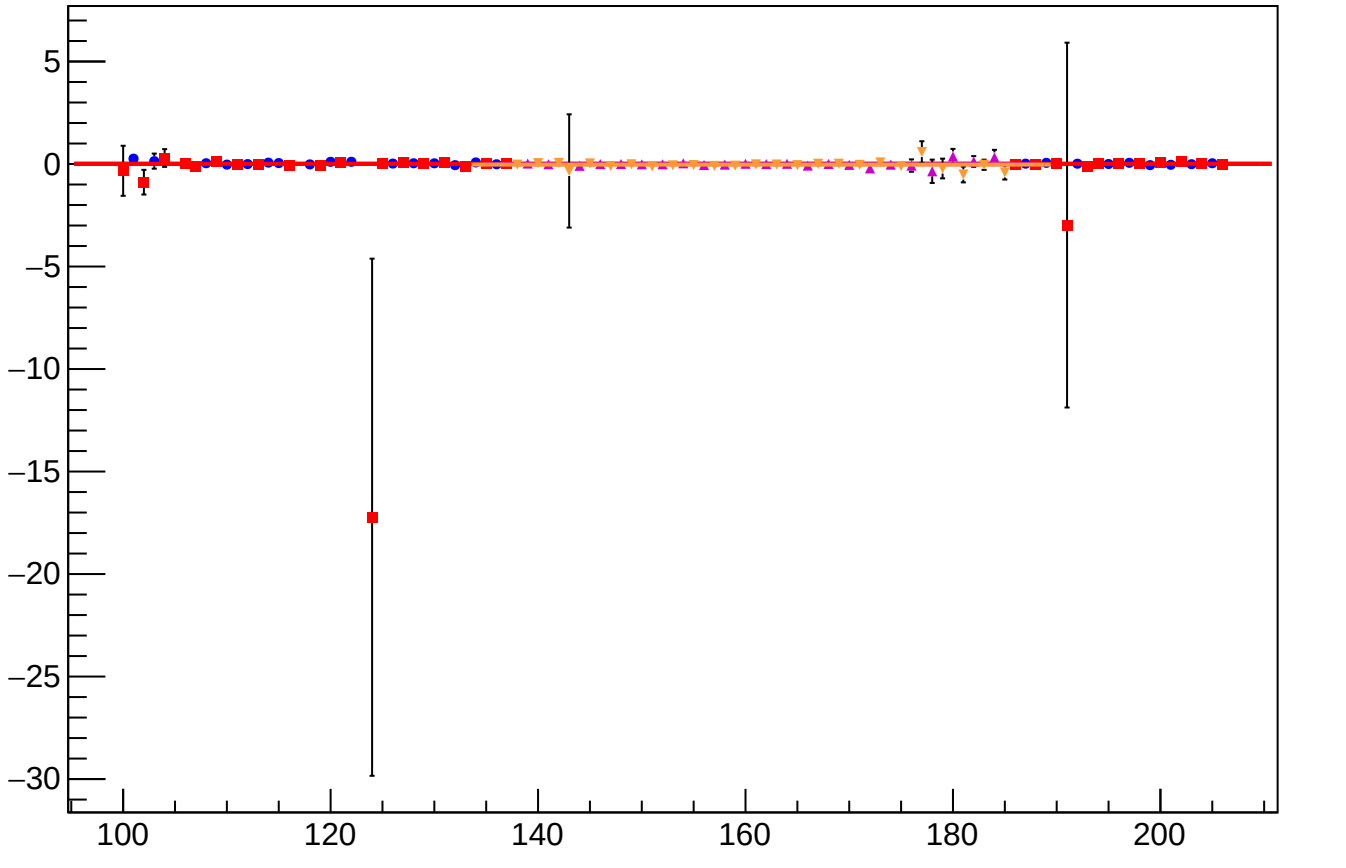
Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618222.0/49

All: 35.853+/-0.004 χ^2/NDF: 30506642.9/103

- sign 35.737+/-0.005 χ^2/NDF: 14887399.3/53



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

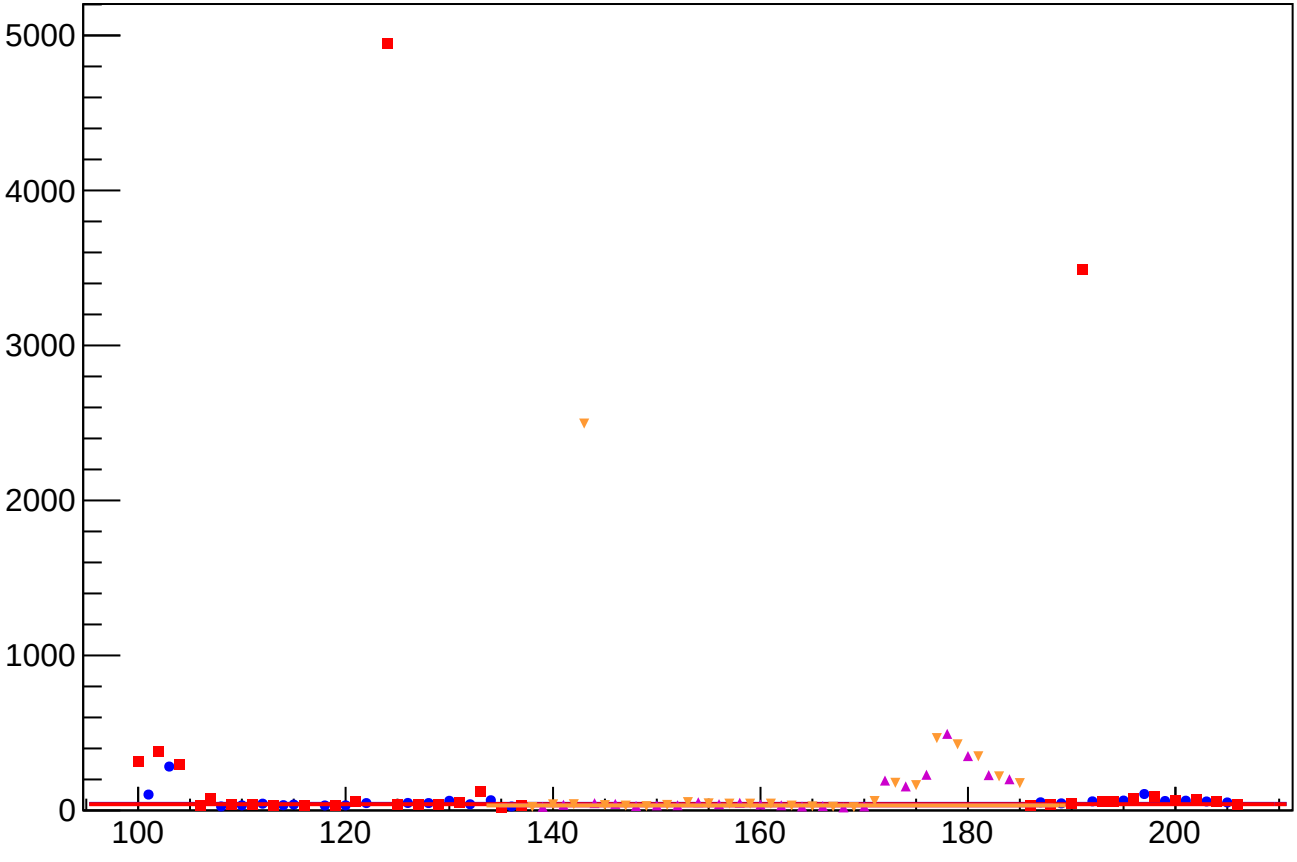
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/103

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

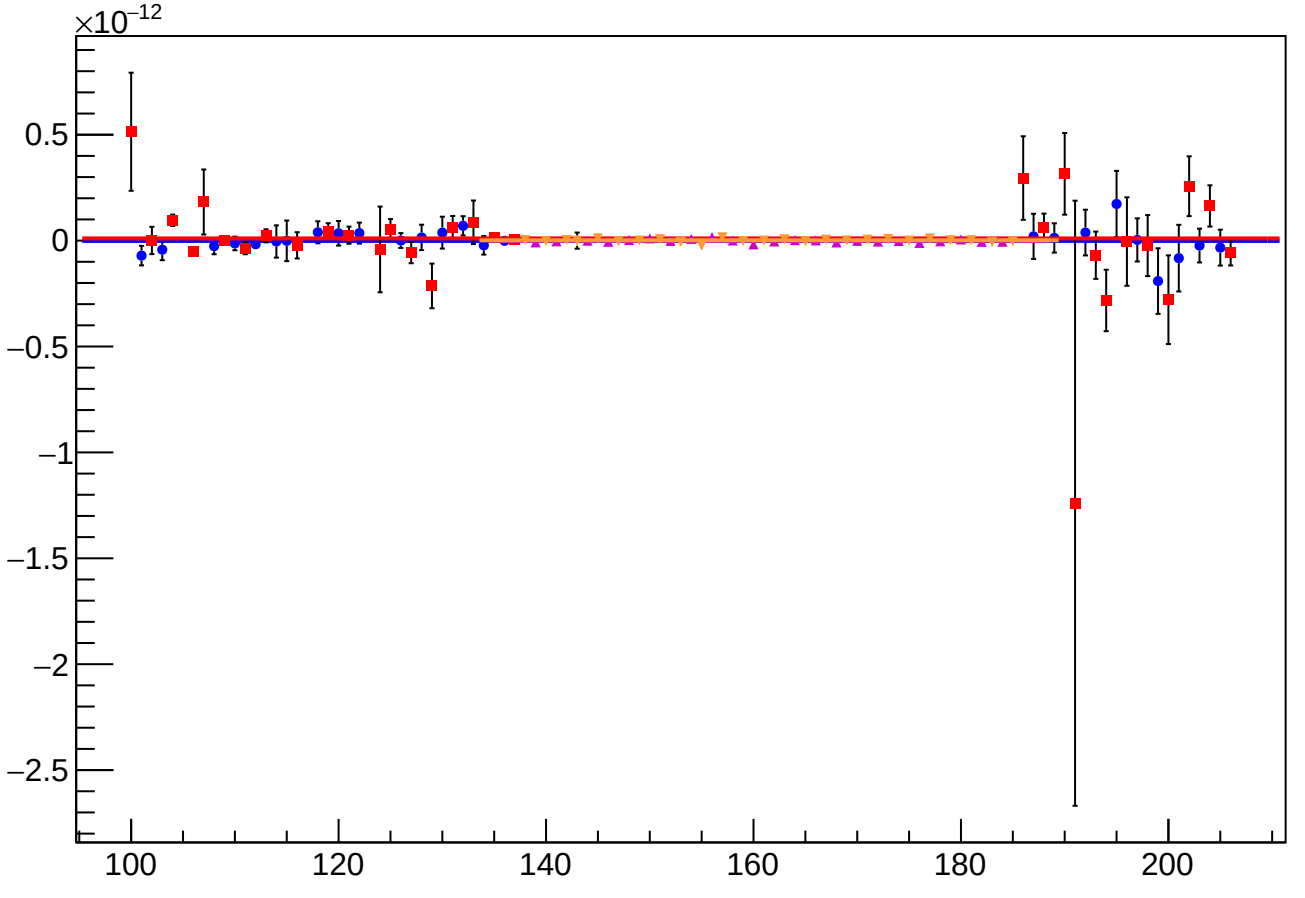
Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618222.0/49

All: 35.853+/-0.004 χ^2/NDF: 30506642.9/103

- sign 35.737+/-0.005 χ^2/NDF: 14887399.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

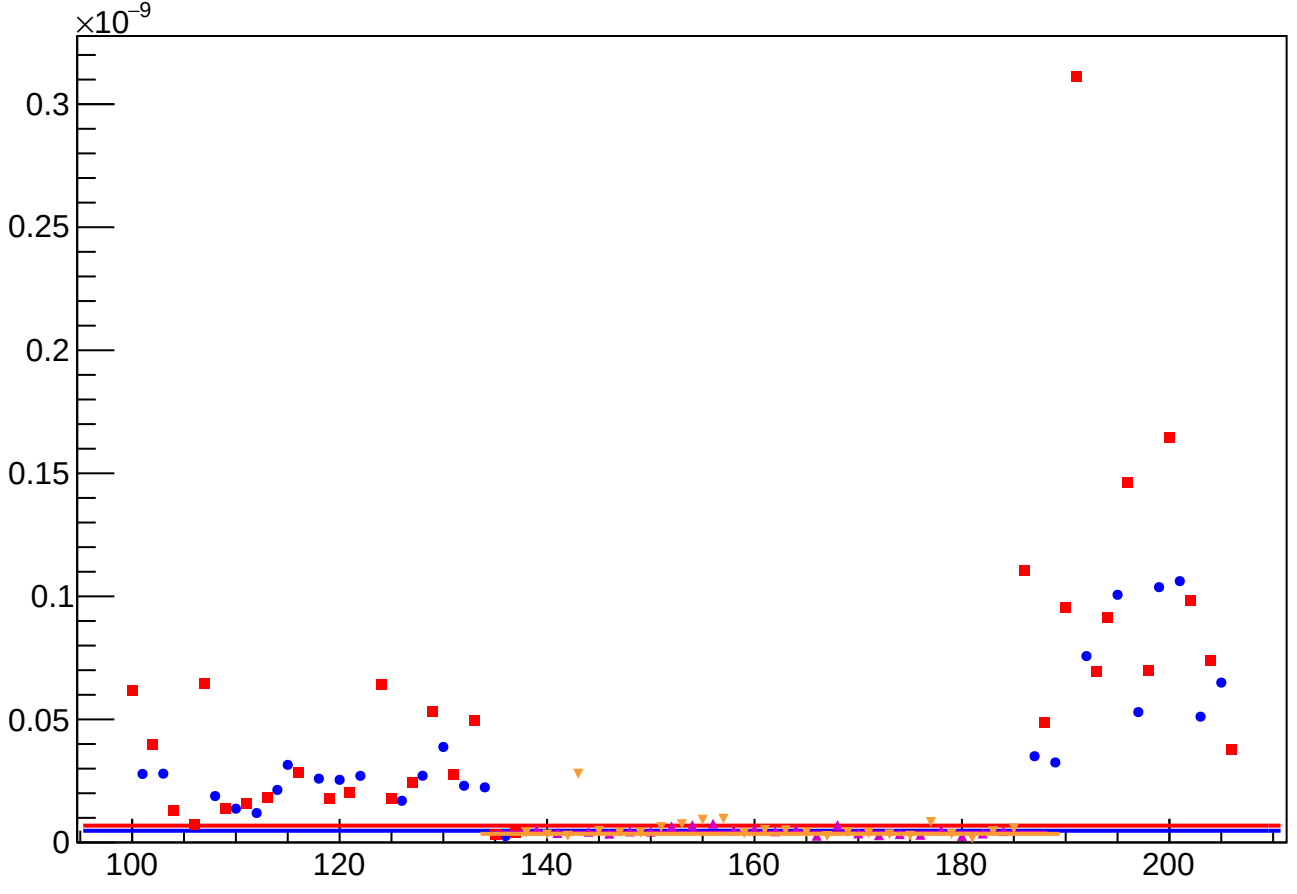
Right Out: 0.000+/-0.000 χ^2/NDF: 59.2/30

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.8/49

All: 0.000+/-0.000 χ^2/NDF: 127.2/103

- sign -0.000+/-0.000 χ^2/NDF: 95.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 11013269.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 12896666.9/30

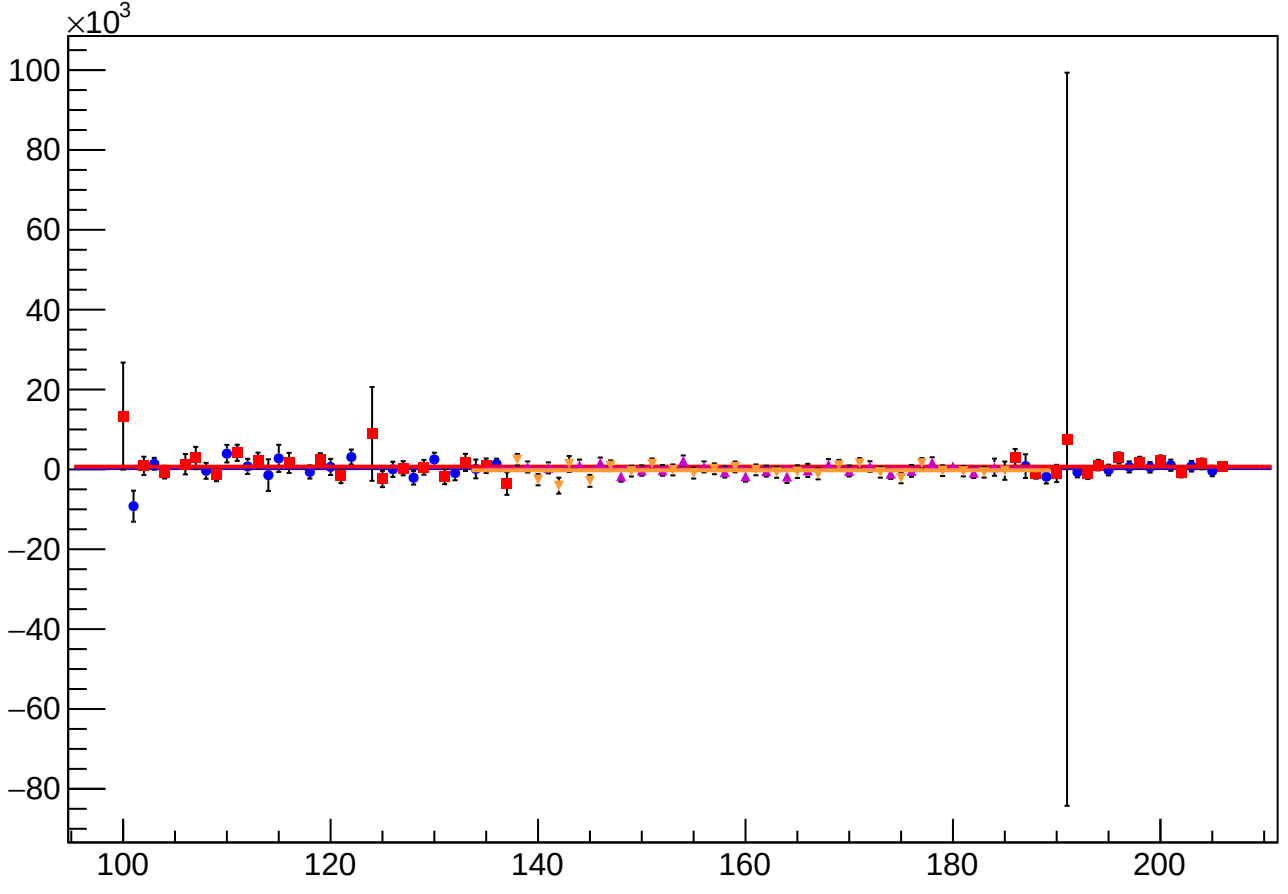
Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15950624.7/49

All: 0.000+/-0.000 χ^2/NDF: 32099097.7/103

- sign 0.000+/-0.000 χ^2/NDF: 15855975.0/53

reg_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 328.549+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 681.848+/-319.078 χ^2/NDF: 27.3/30

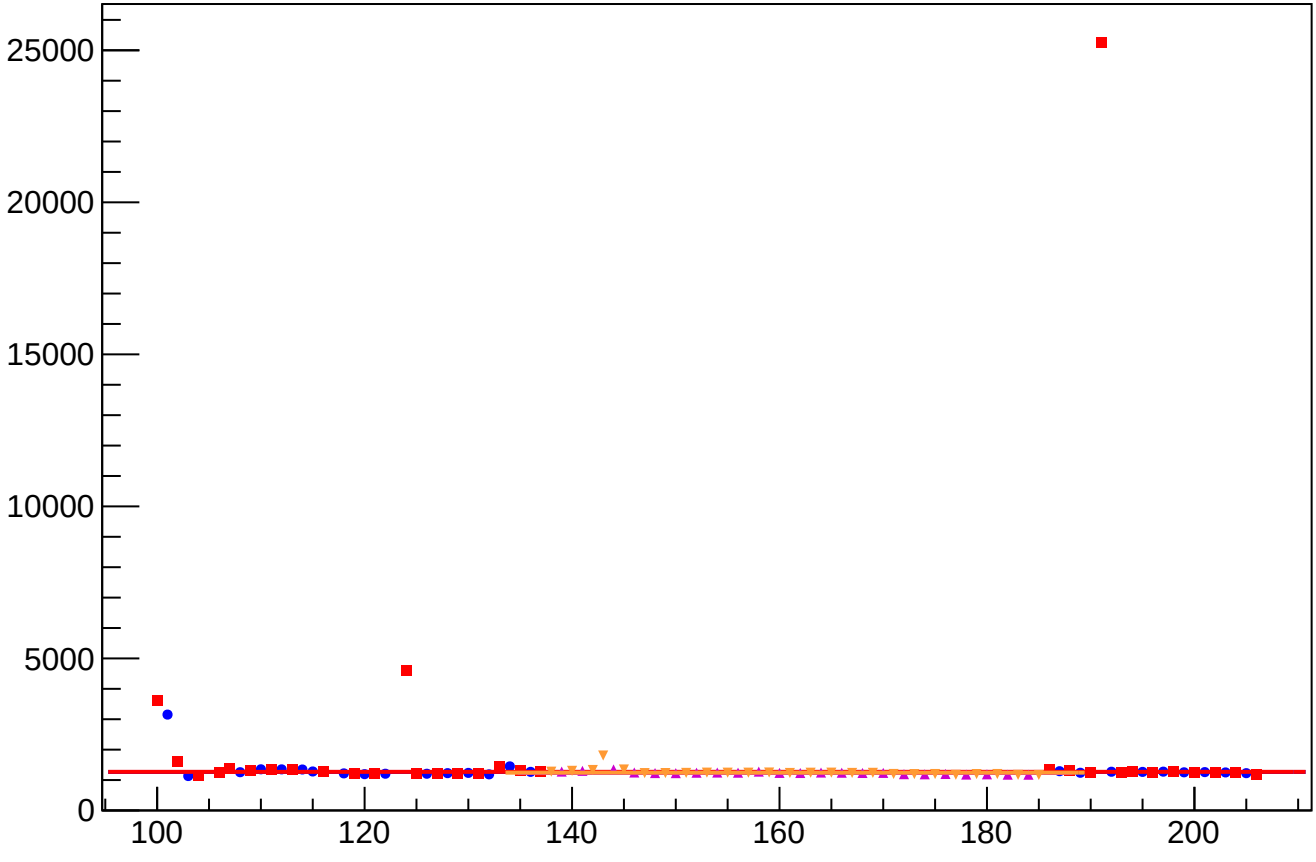
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 3.915+/-217.608 χ^2/NDF: 46.0/49

All: 183.634+/-152.537 χ^2/NDF: 91.2/103

- sign 357.248+/-213.881 χ^2/NDF: 43.9/53

reg_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1265.152+/-0.241 χ^2/NDF: 522750.2/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

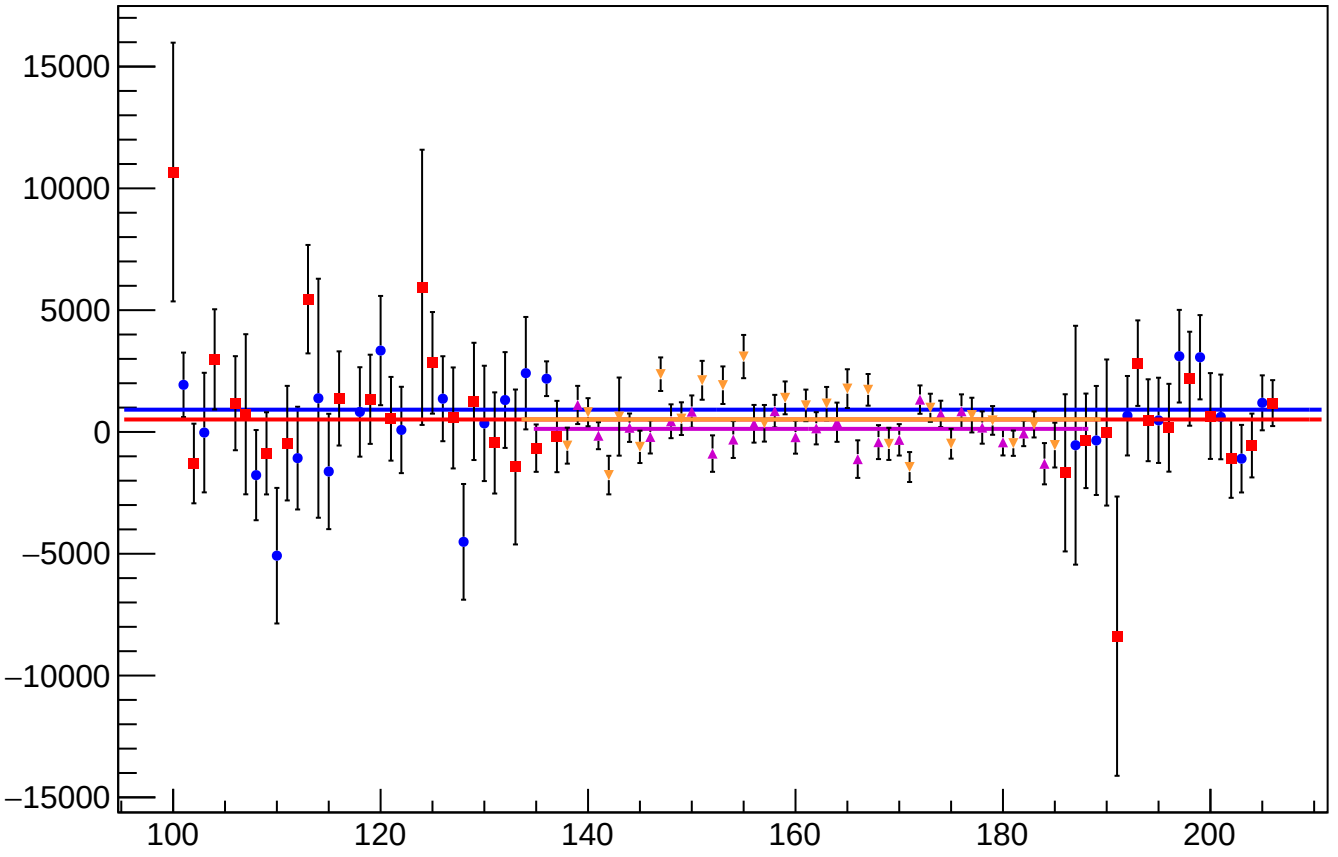
Right Out: 1269.681+/-0.226 χ^2/NDF: 486242.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.956+/-0.154 χ^2/NDF: 731138.6/49

All: 1250.908+/-0.108 χ^2/NDF: 1270718.8/10

- sign 1249.896+/-0.151 χ^2/NDF: 539489.0/53



Right In: 915.116+/-338.927 χ^2/NDF: 25.5/24

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

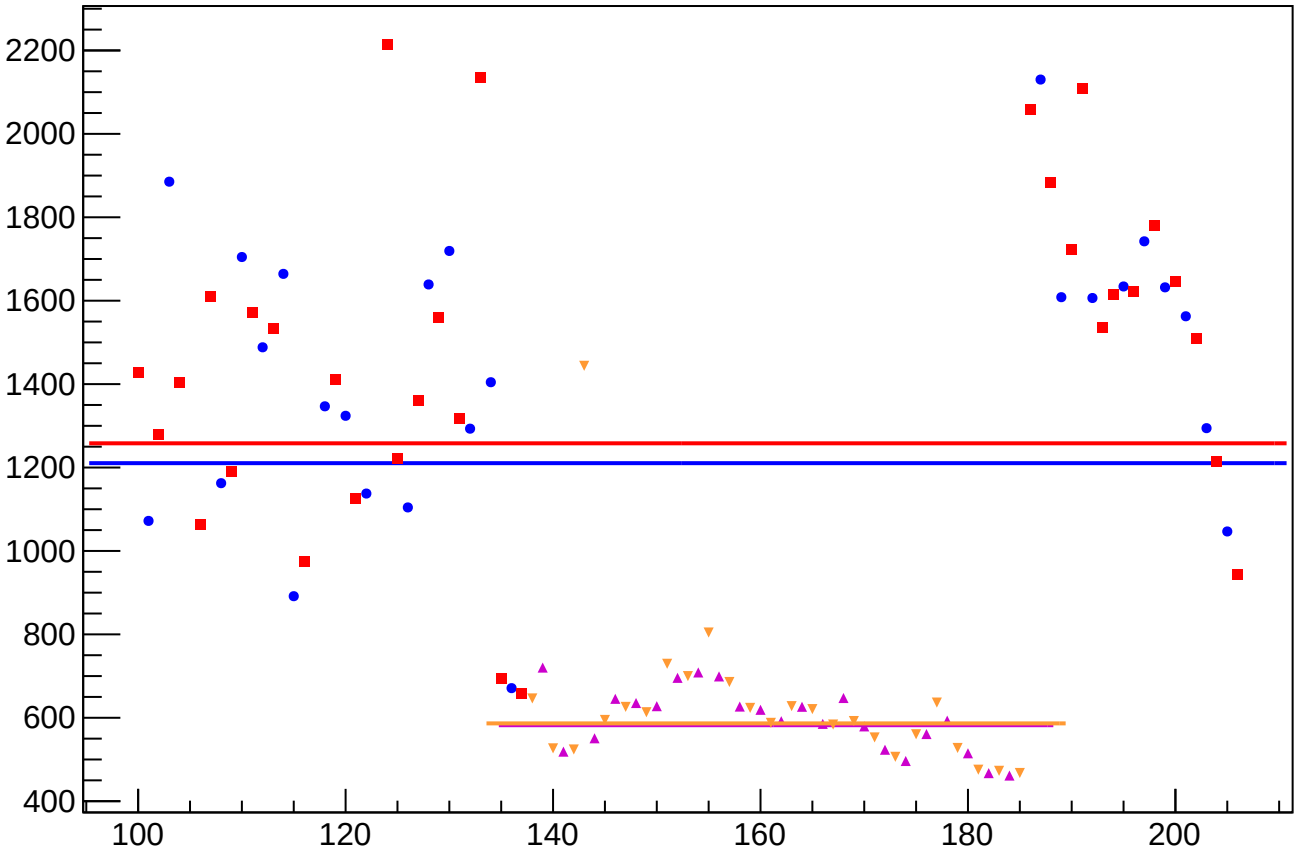
Right Out: 512.242+/-327.067 χ^2/NDF: 25.0/30

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

\+ sign 571.856+/-126.015 χ^2/NDF: 93.7/49

All: 378.946+/-89.302 χ^2/NDF: 146.1/103

\- sign 184.328+/-126.571 χ^2/NDF: 47.7/53



Right In: 1210.477+/-0.240 χ^2/NDF: 2448024.7/24

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

Right Out: 1258.079+/-0.231 χ^2/NDF: 2611021.4/30

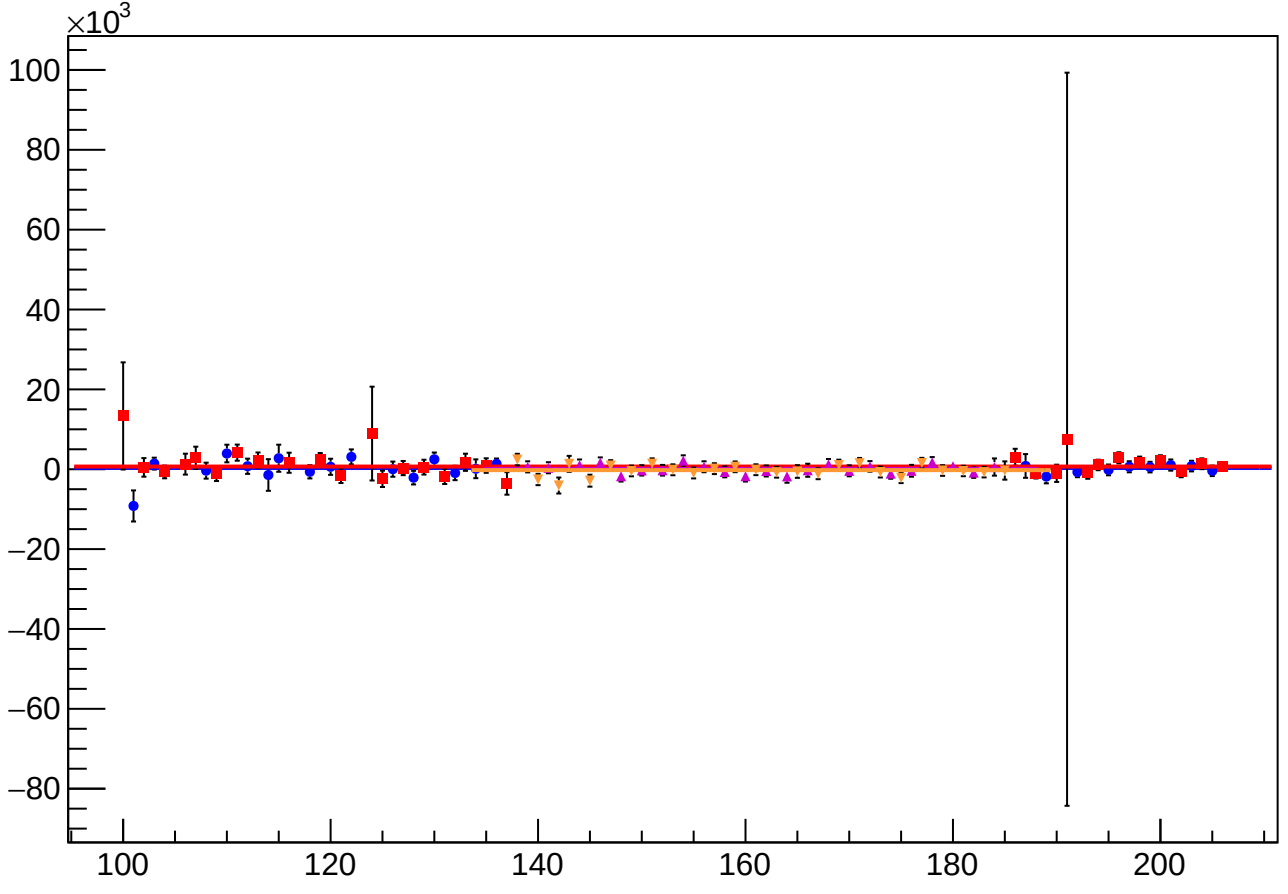
Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 672.807+/-0.089 χ^2/NDF: 9491604.9/49

All: 678.086+/-0.063 χ^2/NDF: 19930807.5/10

- sign 683.411+/-0.089 χ^2/NDF: 10432152.4/53

cor_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 673.061+/-319.317 χ^2/NDF: 27.3/30

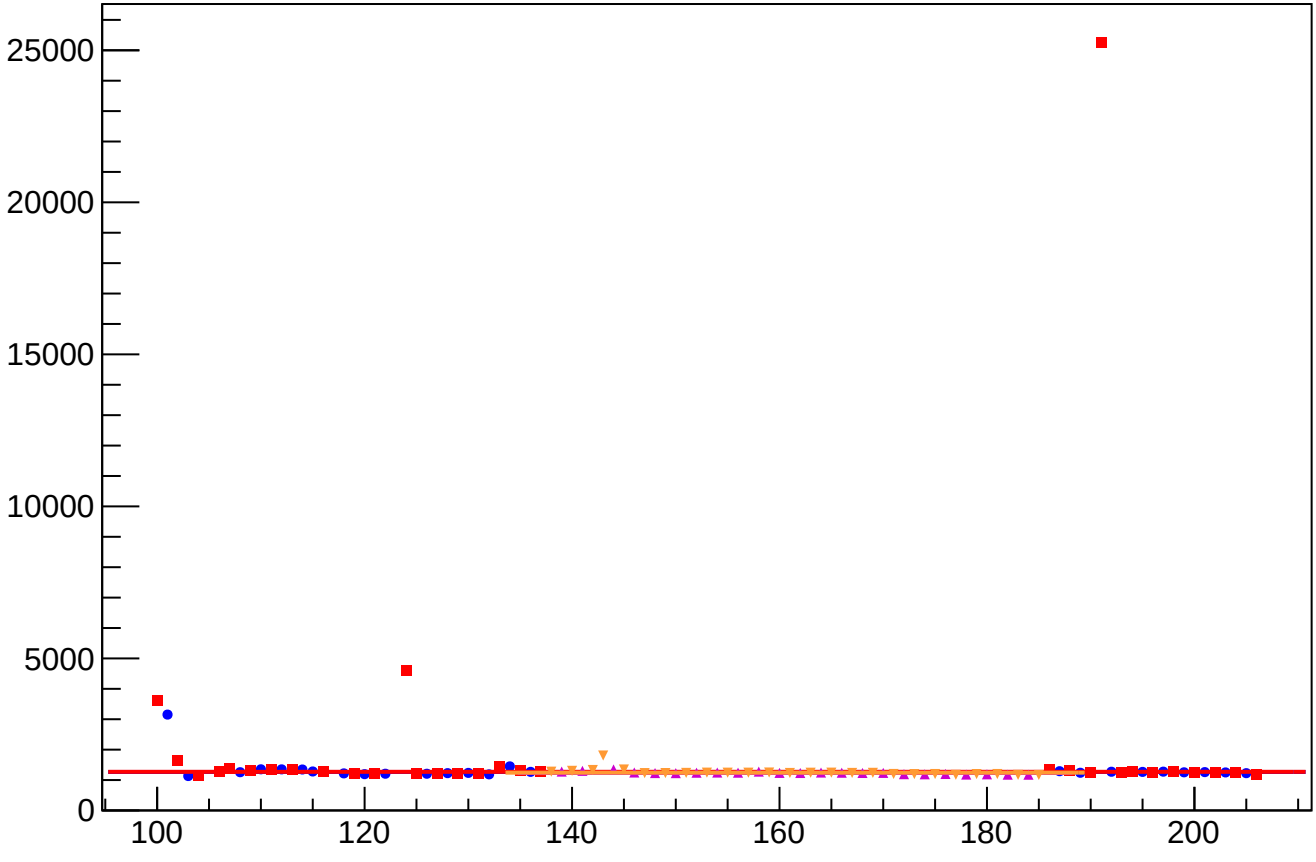
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 3.985+/-217.608 χ^2/NDF: 46.0/49

All: 181.511+/-152.563 χ^2/NDF: 91.1/103

- sign 353.123+/-213.953 χ^2/NDF: 43.8/53

cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

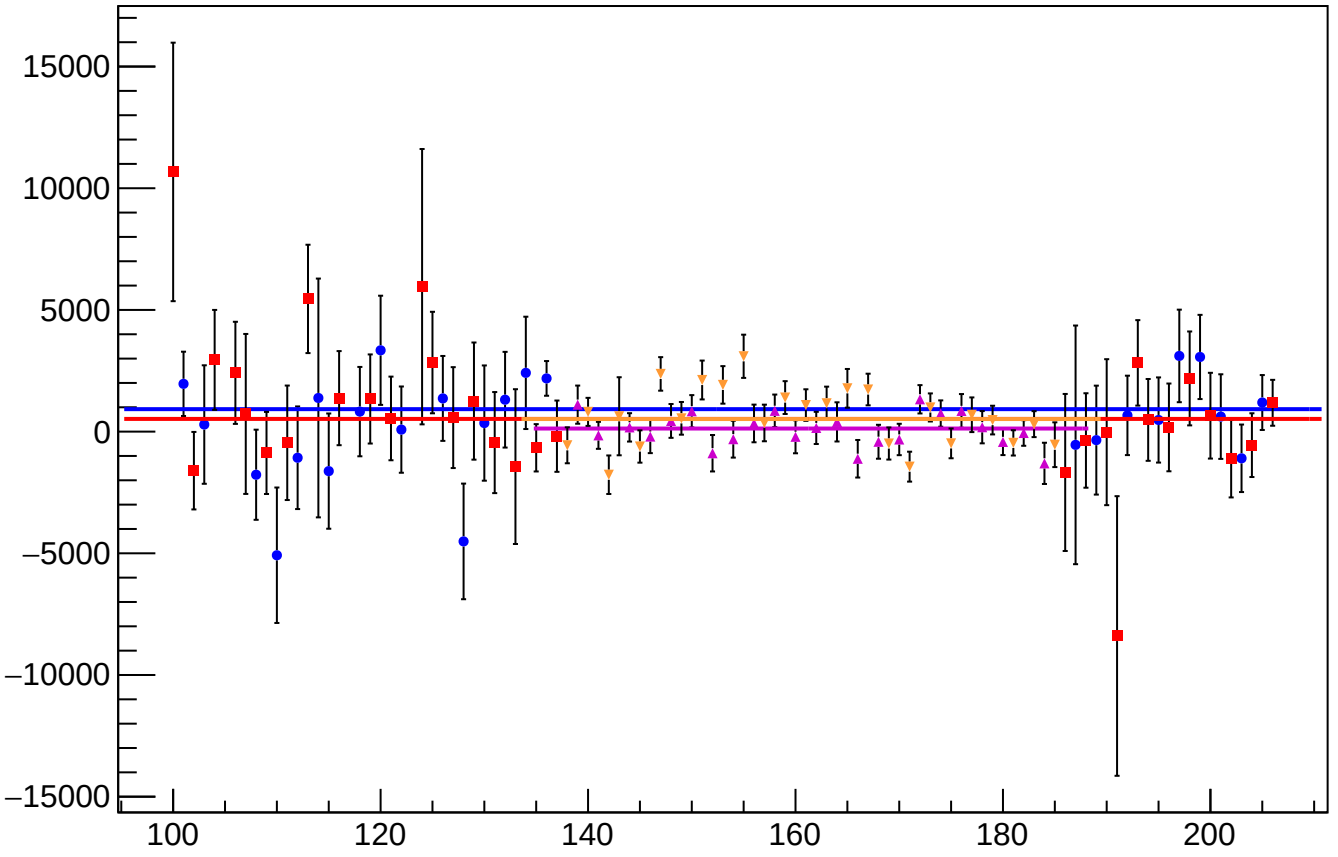
Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.956+/-0.154 χ^2/NDF: 731139.9/49

All: 1251.127+/-0.108 χ^2/NDF: 1278631.8/10

- sign 1250.326+/-0.151 χ^2/NDF: 547434.9/53



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

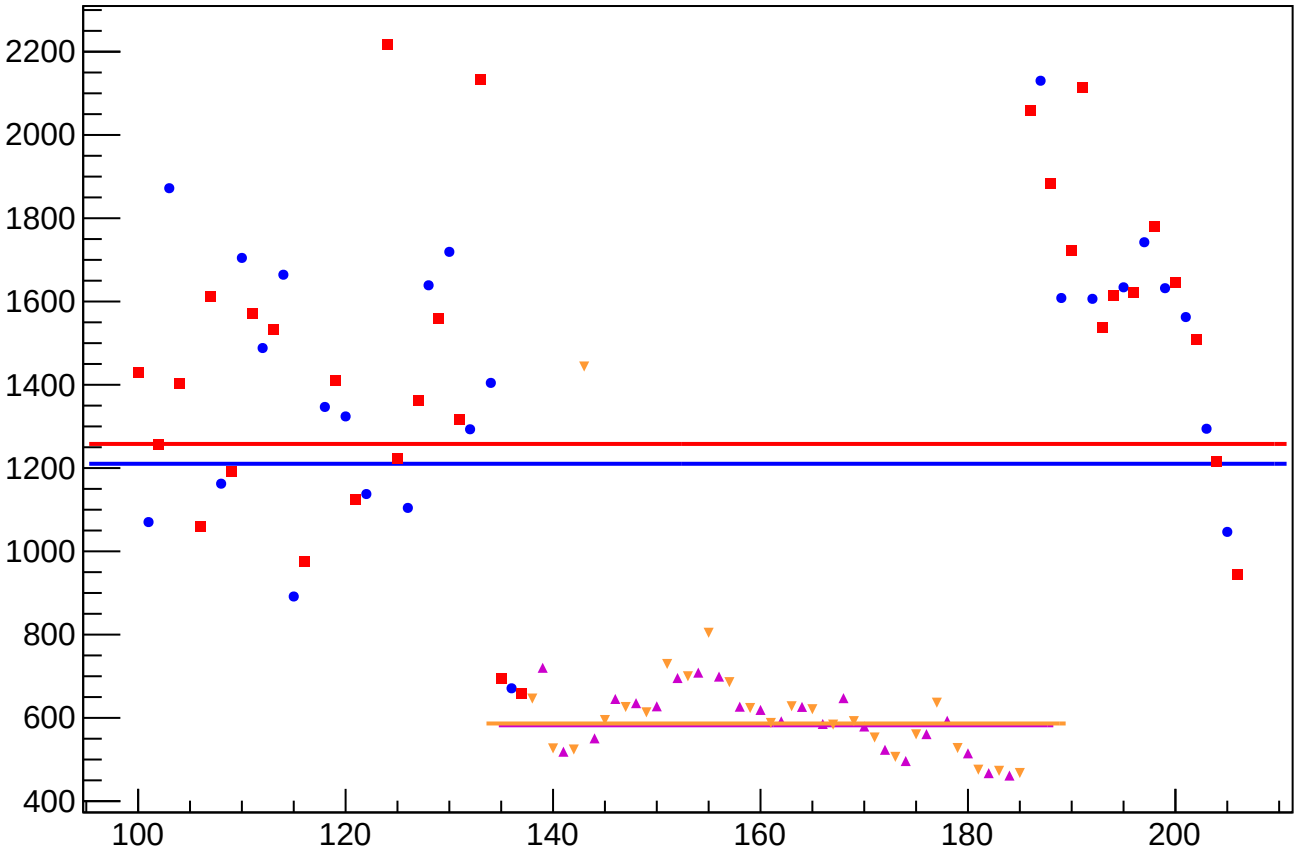
Right Out: 521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 572.987+/-126.011 χ^2/NDF: 93.7/49

All: 380.199+/-89.308 χ^2/NDF: 147.4/103

\- sign 185.631+/-126.591 χ^2/NDF: 49.0/53



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

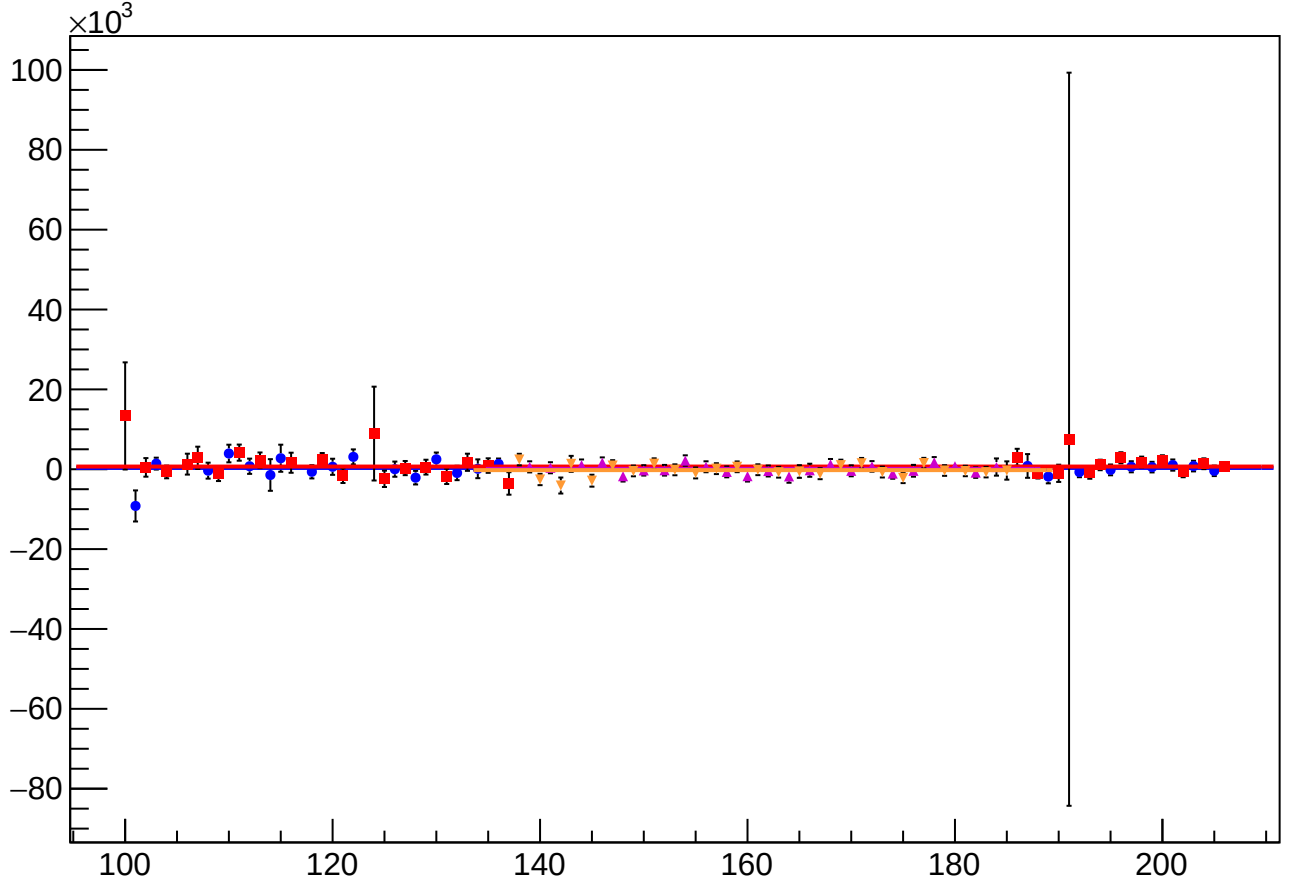
Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 672.825+/-0.089 χ^2/NDF: 9487723.4/49

All: 677.991+/-0.063 χ^2/NDF: 19907995.1/10

- sign 683.204+/-0.090 χ^2/NDF: 10413518.6/53



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 673.061+/-319.317 χ^2/NDF: 27.3/30

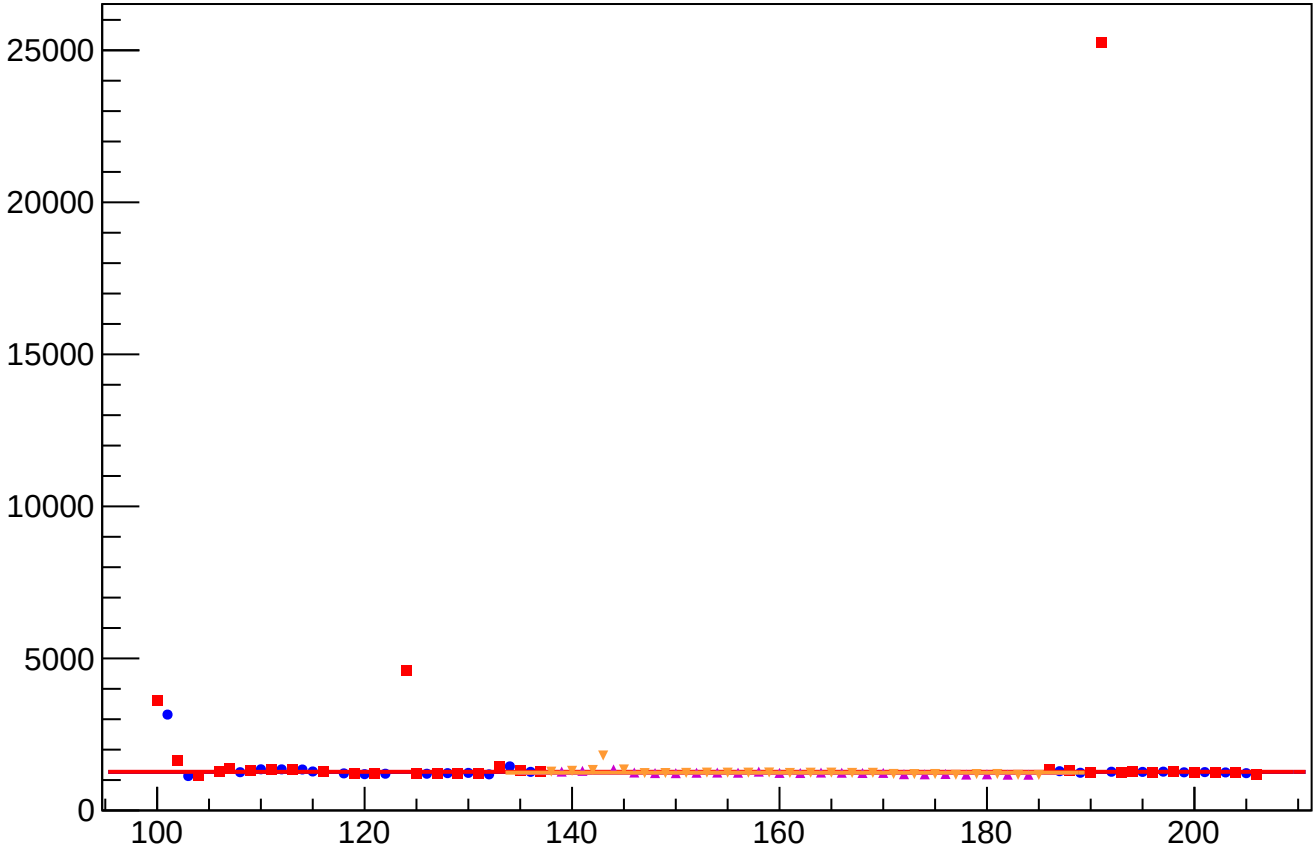
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 3.985+/-217.608 χ^2/NDF: 46.0/49

All: 181.511+/-152.563 χ^2/NDF: 91.1/103

- sign 353.123+/-213.953 χ^2/NDF: 43.8/53

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

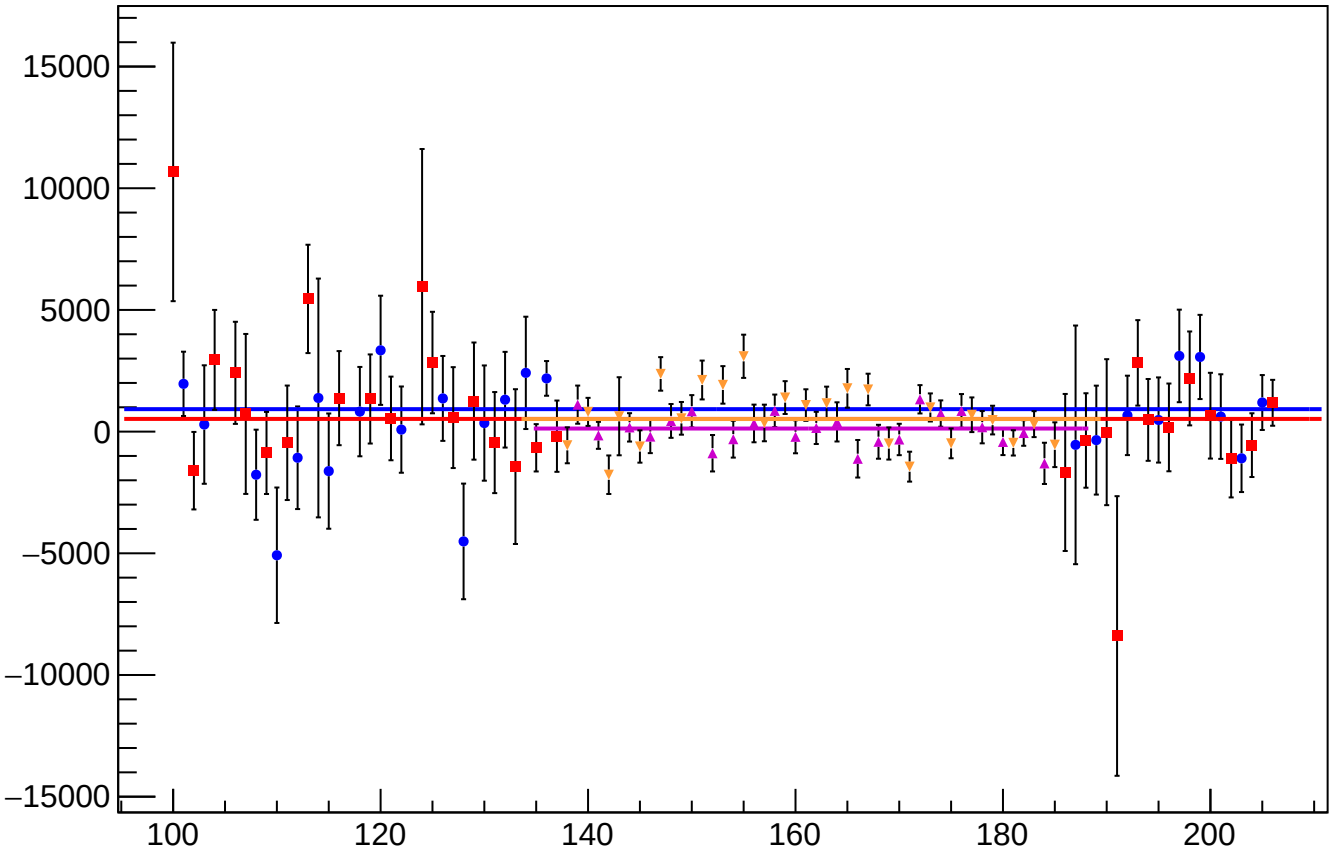
Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.956+/-0.154 χ^2/NDF: 731139.9/49

All: 1251.127+/-0.108 χ^2/NDF: 1278631.8/10

- sign 1250.326+/-0.151 χ^2/NDF: 547434.9/53



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

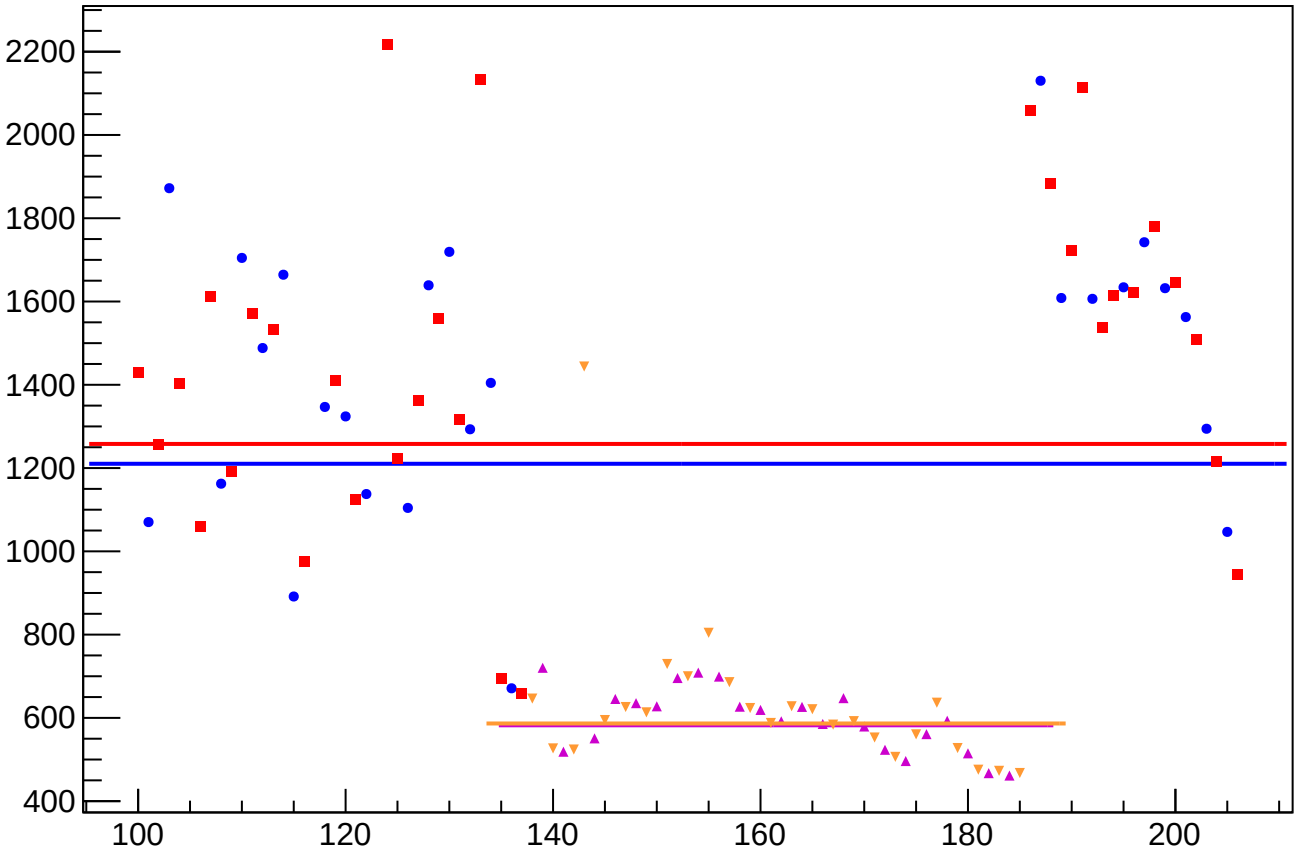
Right Out: 521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 572.987+/-126.011 χ^2/NDF: 93.7/49

All: 380.199+/-89.308 χ^2/NDF: 147.4/103

\- sign 185.631+/-126.591 χ^2/NDF: 49.0/53



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

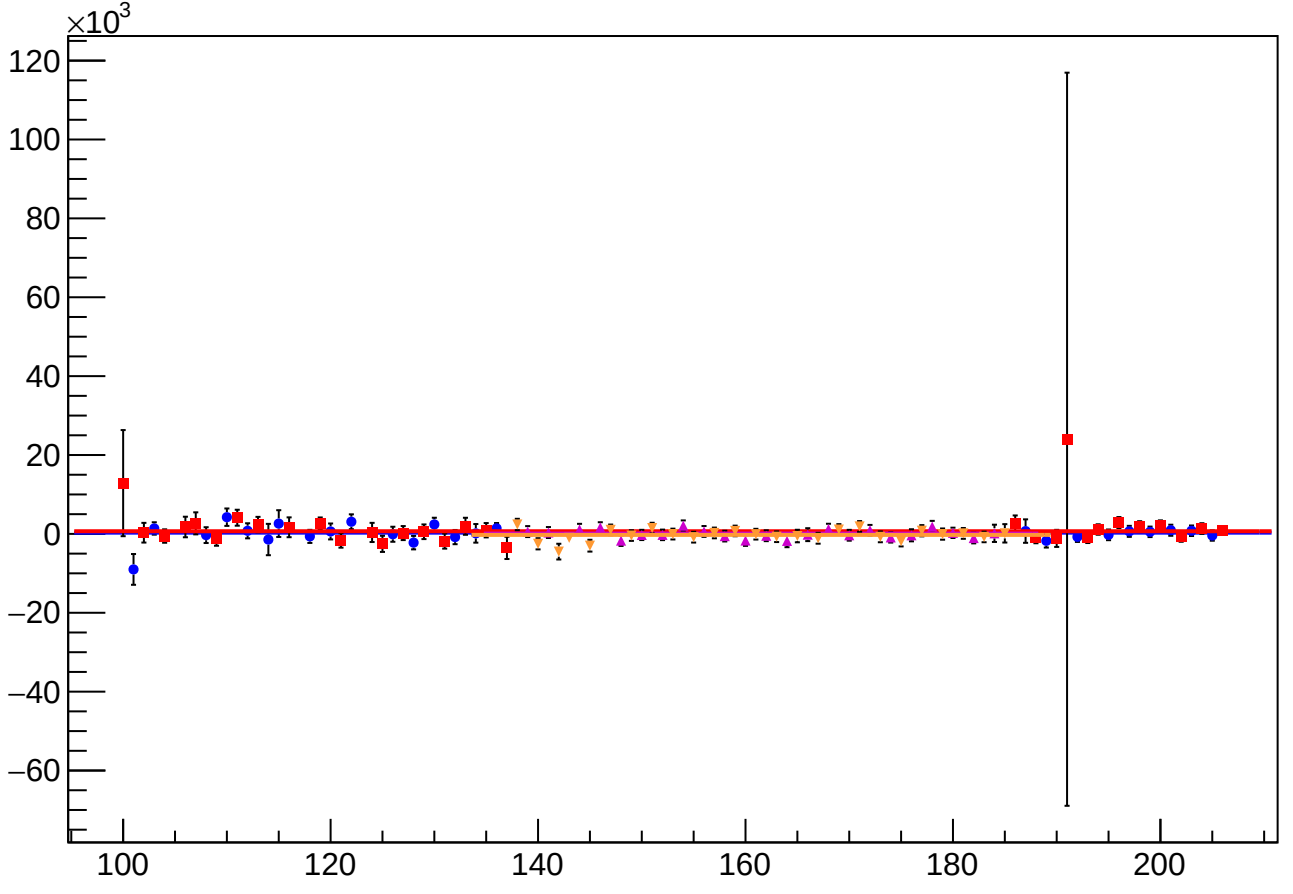
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 672.825+/-0.089 χ^2/NDF: 9487723.4/49

All: 677.991+/-0.063 χ^2/NDF: 19907995.1/10

- sign 683.204+/-0.090 χ^2/NDF: 10413518.6/53

dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 315.623+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 672.726+/-318.435 χ^2/NDF: 26.8/30

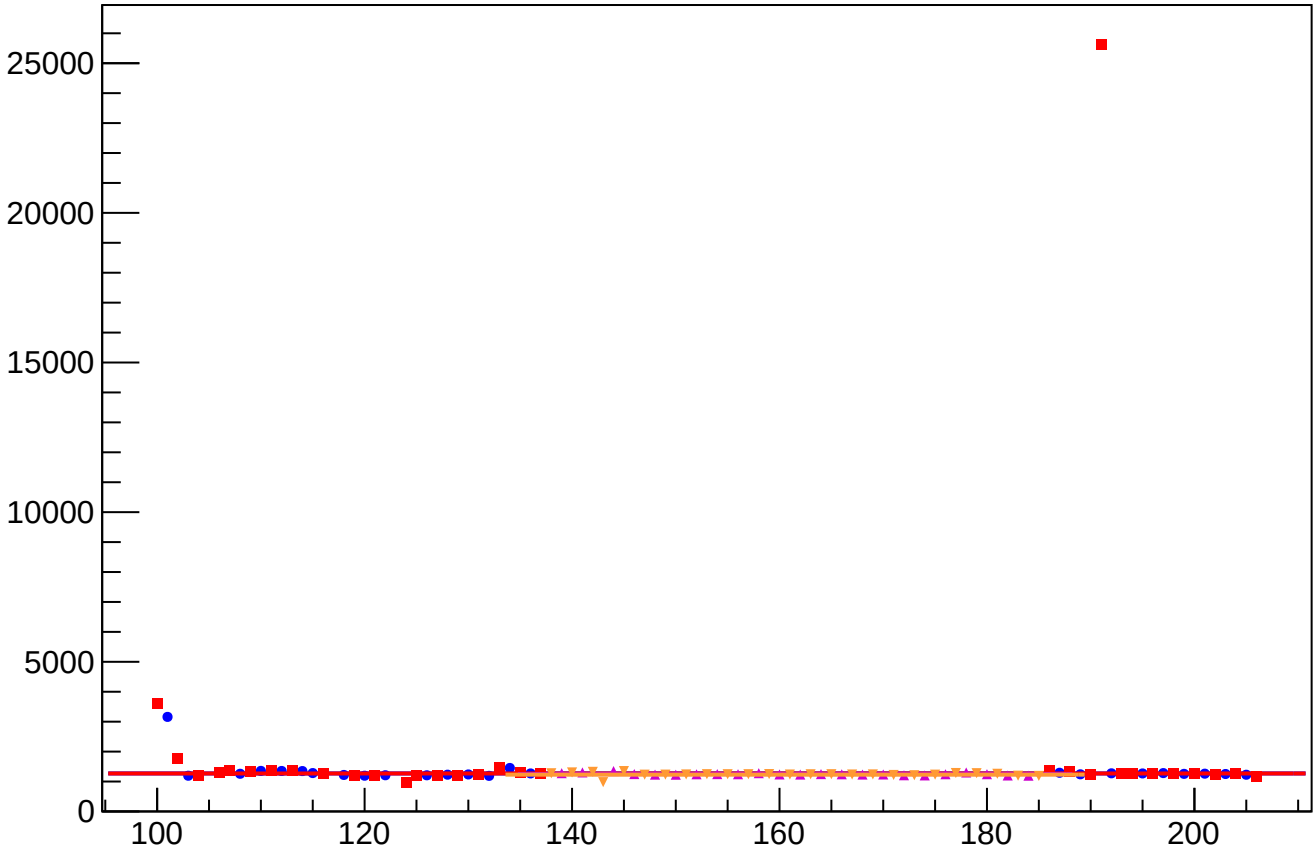
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -23.271+/-216.511 χ^2/NDF: 46.2/49

All: 163.371+/-152.559 χ^2/NDF: 90.4/103

- sign 347.411+/-214.998 χ^2/NDF: 42.8/53

dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.0/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

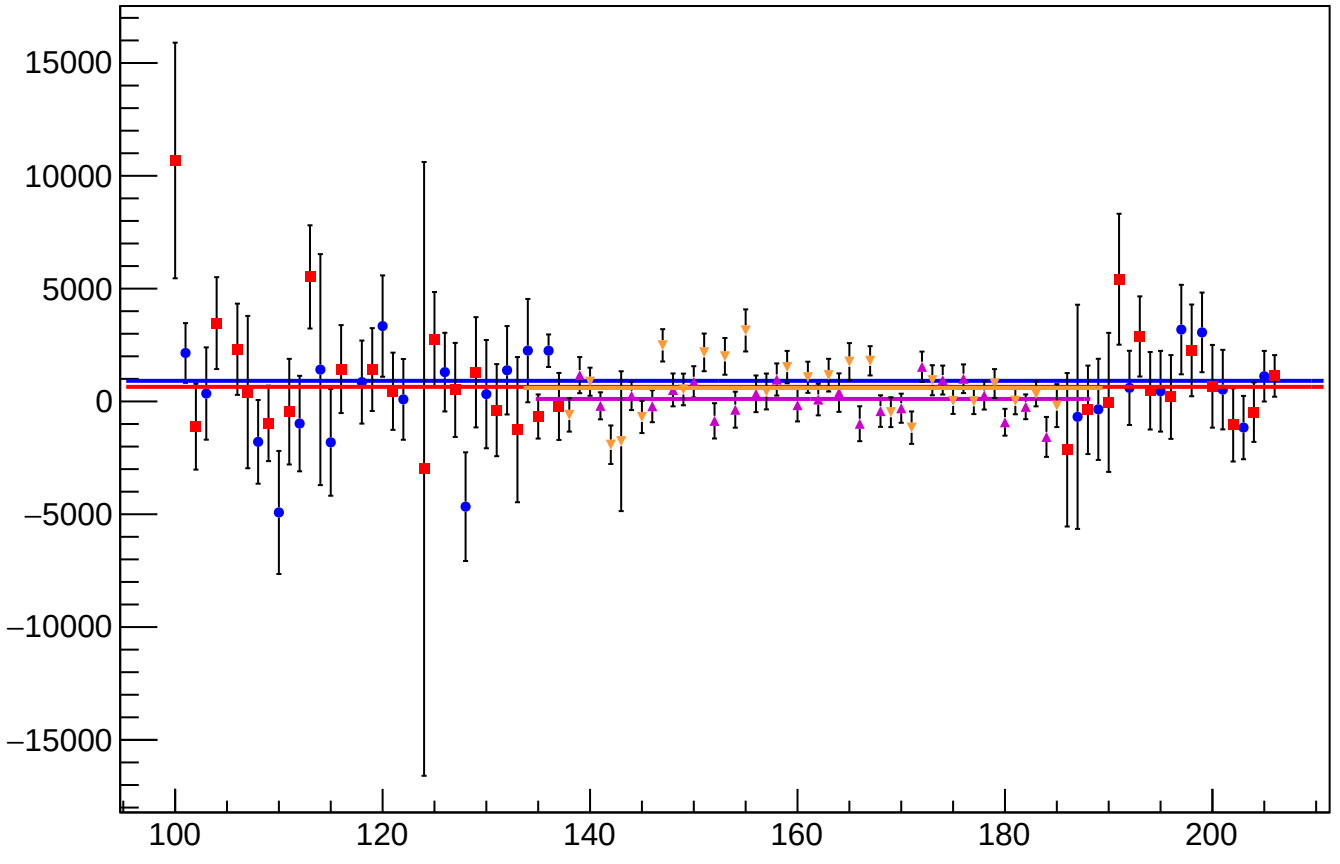
Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.8/30

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.172+/-0.153 χ^2/NDF: 670087.7/49

All: 1251.842+/-0.108 χ^2/NDF: 1089583.8/10

- sign 1257.432+/-0.152 χ^2/NDF: 416772.2/53



Right In: 913.813+/-339.981 χ^2/NDF: 26.0/24

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

Right Out: 646.367+/-330.082 χ^2/NDF: 25.2/30

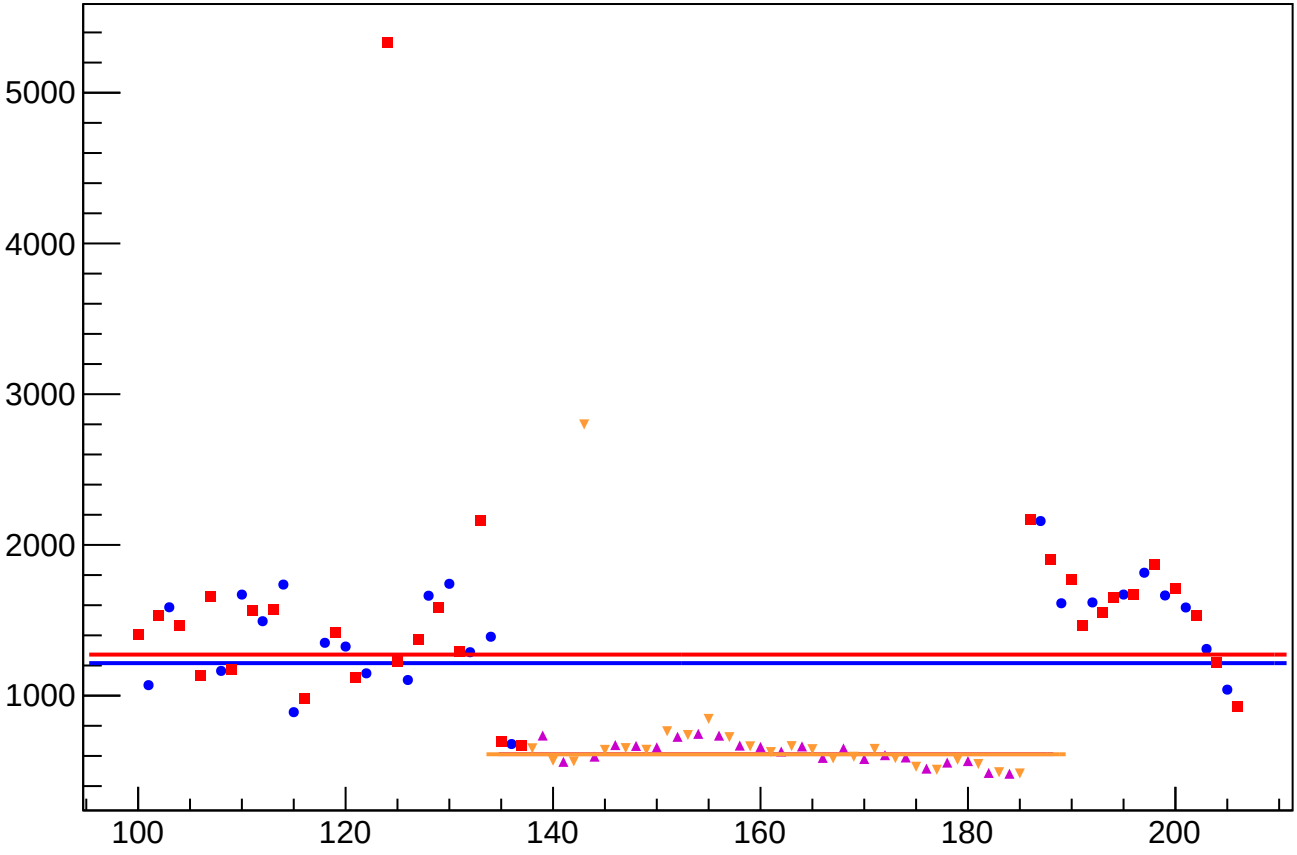
Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 642.429+/-131.133 χ^2/NDF: 84.1/49

All: 421.067+/-93.088 χ^2/NDF: 143.0/103

- sign 196.203+/-132.166 χ^2/NDF: 53.1/53

asym_atl_dd_atr_dd_dd_dit_correction_rms vs Slug



Right In: 1215.679+/-0.240 χ^2/NDF: 2396296.4/24

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1272.435+/-0.233 χ^2/NDF: 2900084.3/30

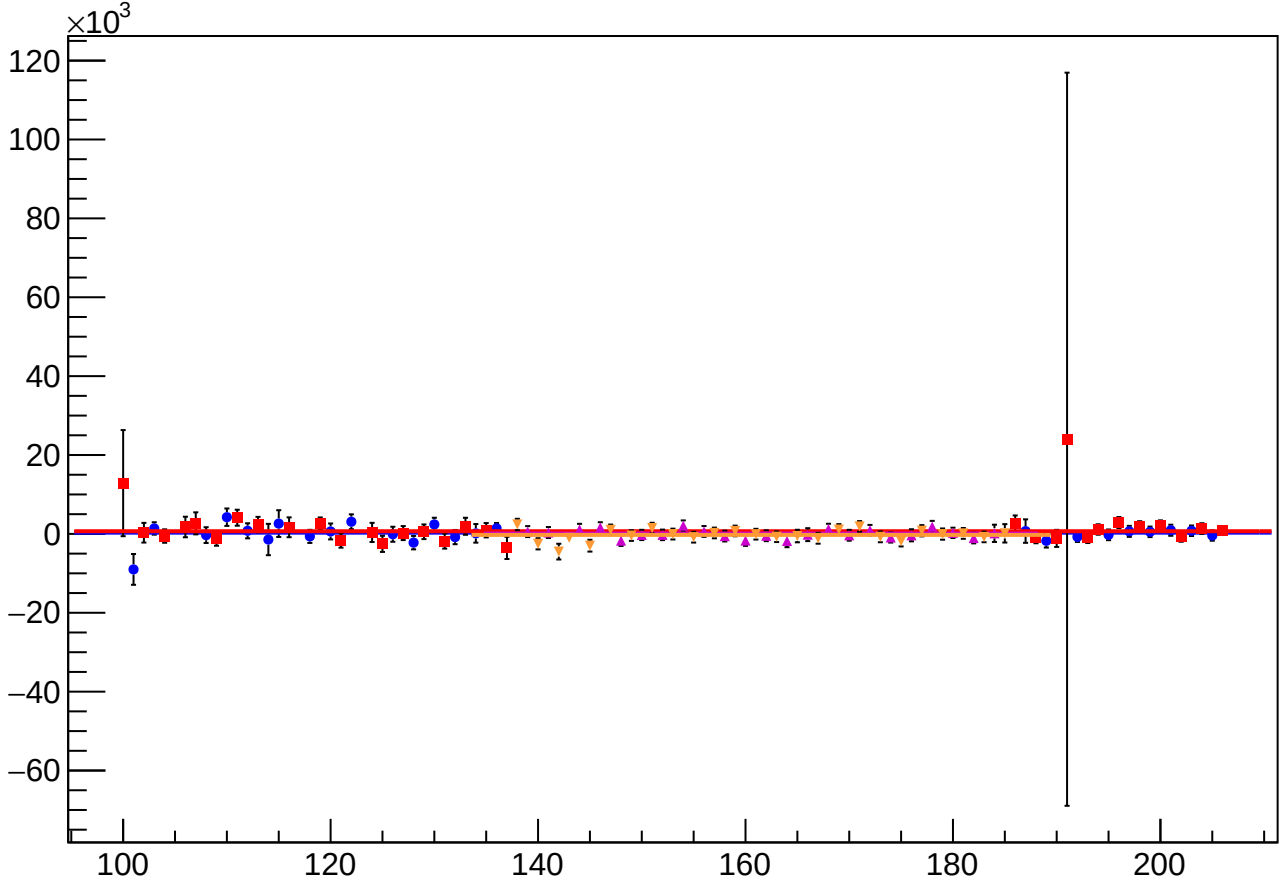
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 701.031+/-0.093 χ^2/NDF: 9399485.1/49

All: 709.557+/-0.066 χ^2/NDF: 19540016.5/10

- sign 718.217+/-0.093 χ^2/NDF: 10123490.1/53

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: 315.624+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

Right Out: 672.725+/-318.435 χ^2/NDF: 26.8/30

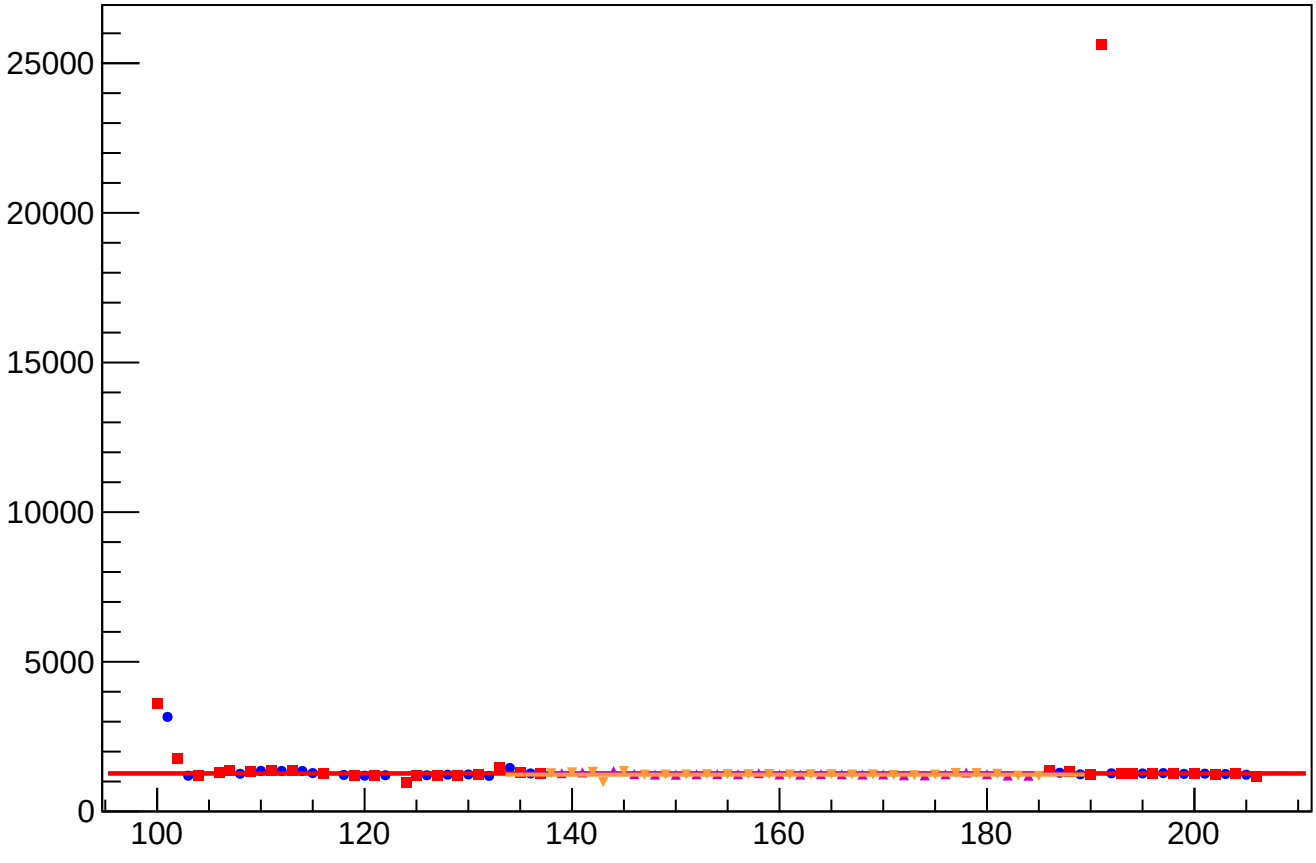
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -23.271+/-216.511 χ^2/NDF: 46.2/49

All: 163.370+/-152.559 χ^2/NDF: 90.4/103

- sign 347.411+/-214.998 χ^2/NDF: 42.8/53

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.1/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

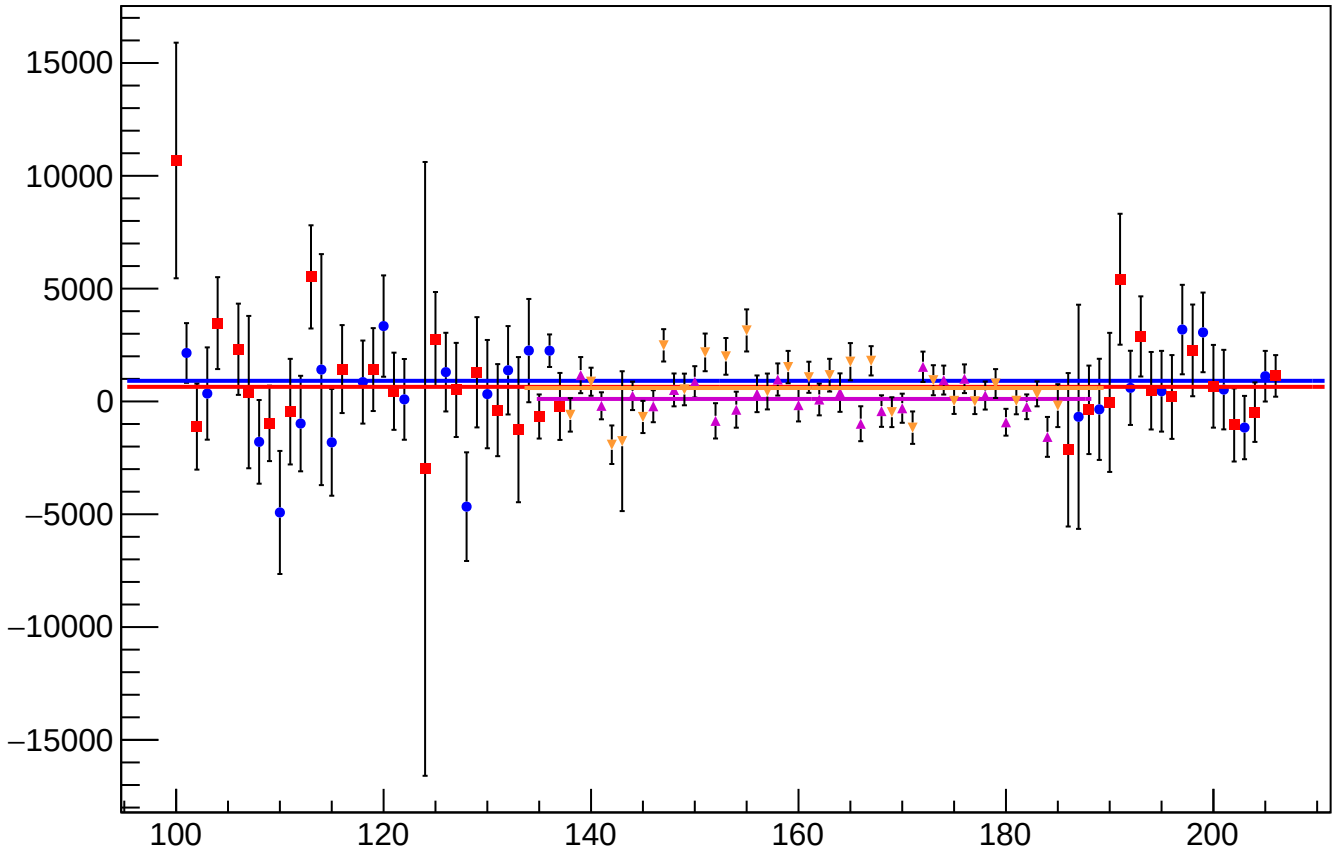
Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.6/30

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.172+/-0.153 χ^2/NDF: 670086.9/49

All: 1251.841+/-0.108 χ^2/NDF: 1089582.7/10

- sign 1257.432+/-0.152 χ^2/NDF: 416772.0/53



Right In: 913.809+/-339.982 χ^2/NDF: 26.0/24

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

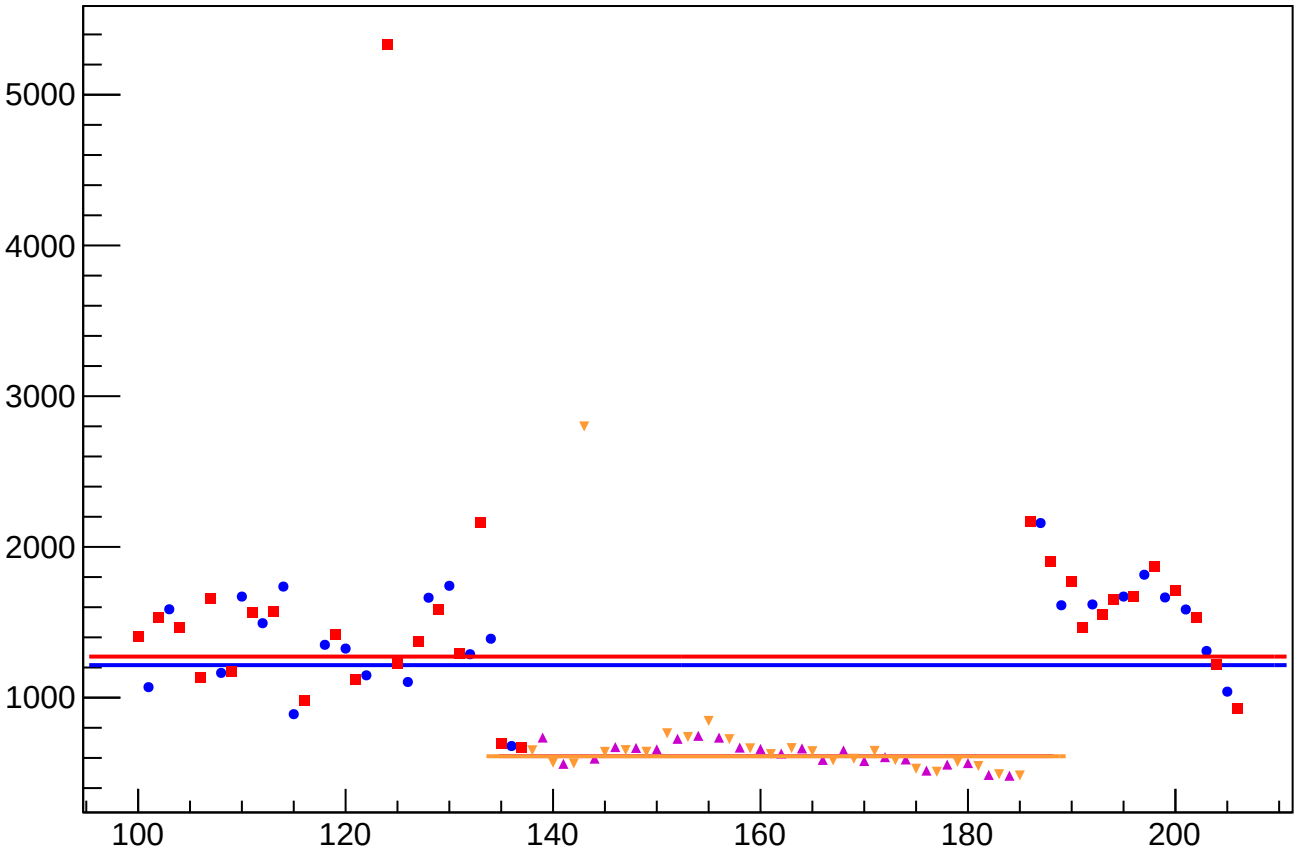
Right Out: 646.374+/-330.083 χ^2/NDF: 25.2/30

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 642.429+/-131.133 χ^2/NDF: 84.1/49

All: 421.067+/-93.088 χ^2/NDF: 143.0/103

- sign 196.203+/-132.166 χ^2/NDF: 53.1/53



Right In: 1215.683+/-0.240 χ^2/NDF: 2396224.4/24

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1272.438+/-0.233 χ^2/NDF: 2900033.6/30

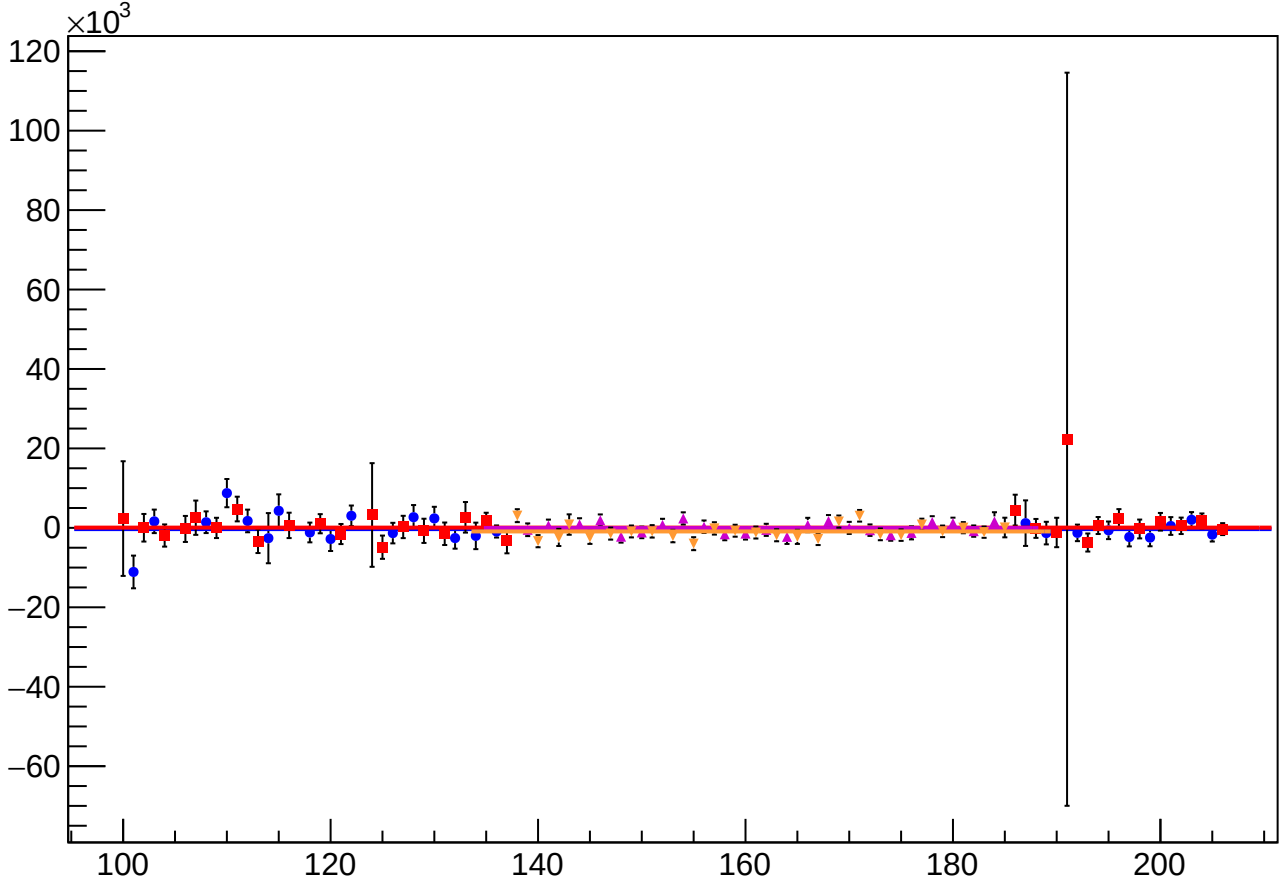
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 701.031+/-0.093 χ^2/NDF: 9399466.7/49

All: 709.557+/-0.066 χ^2/NDF: 19540003.3/10

- sign 718.217+/-0.093 χ^2/NDF: 10123496.4/53

asym_atl_dd_atr_dd_dd_mean vs Slug



Right In: -312.564+/-511.490 χ^2/NDF: 26.0/24

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 60.104+/-482.403 χ^2/NDF: 17.2/30

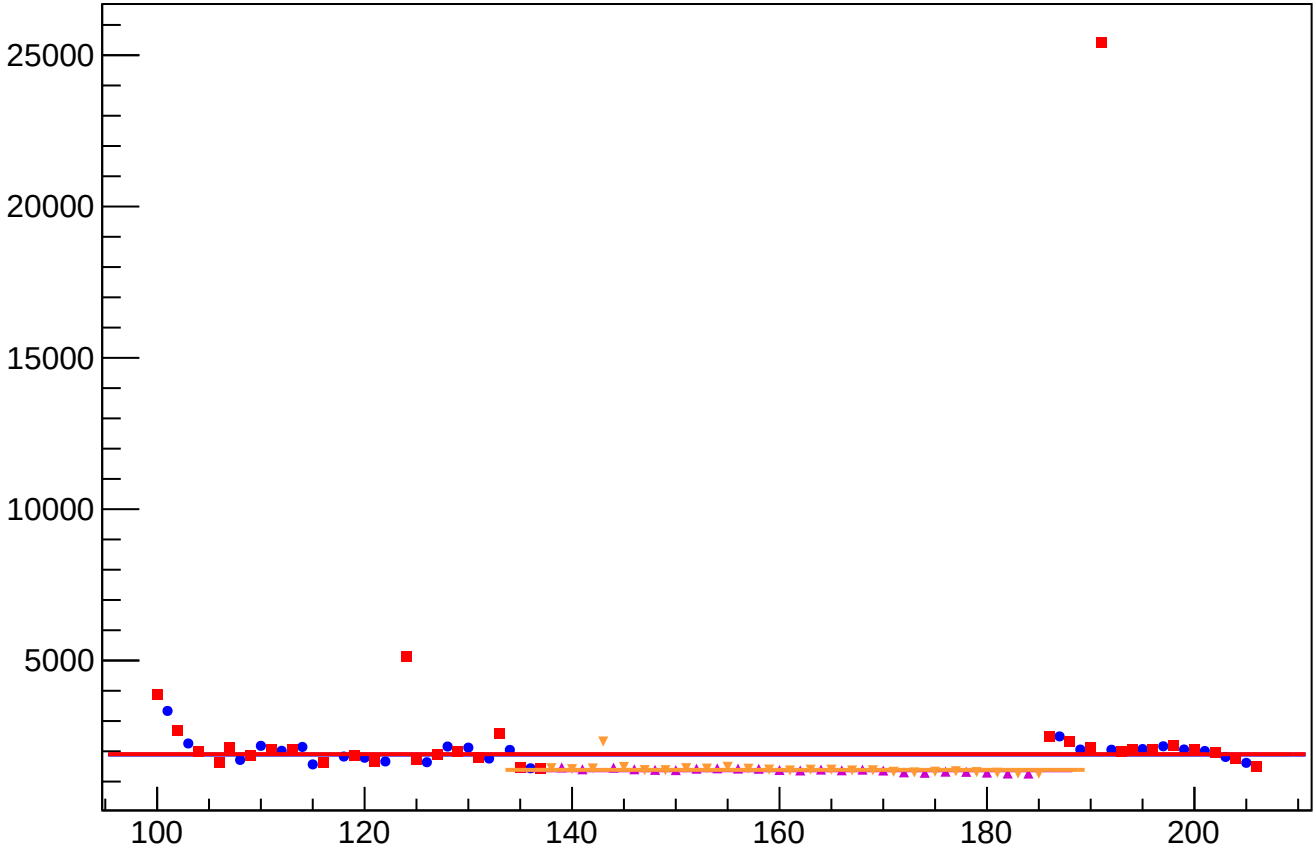
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -737.315+/-269.110 χ^2/NDF: 56.7/49

All: -373.565+/-189.611 χ^2/NDF: 95.5/103

- sign -14.957+/-267.201 χ^2/NDF: 35.1/53

asym_atl_dd_atr_dd_dd_rms vs Slug



Right In: 1892.440+/-0.362 χ^2/NDF: 719414.2/24

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

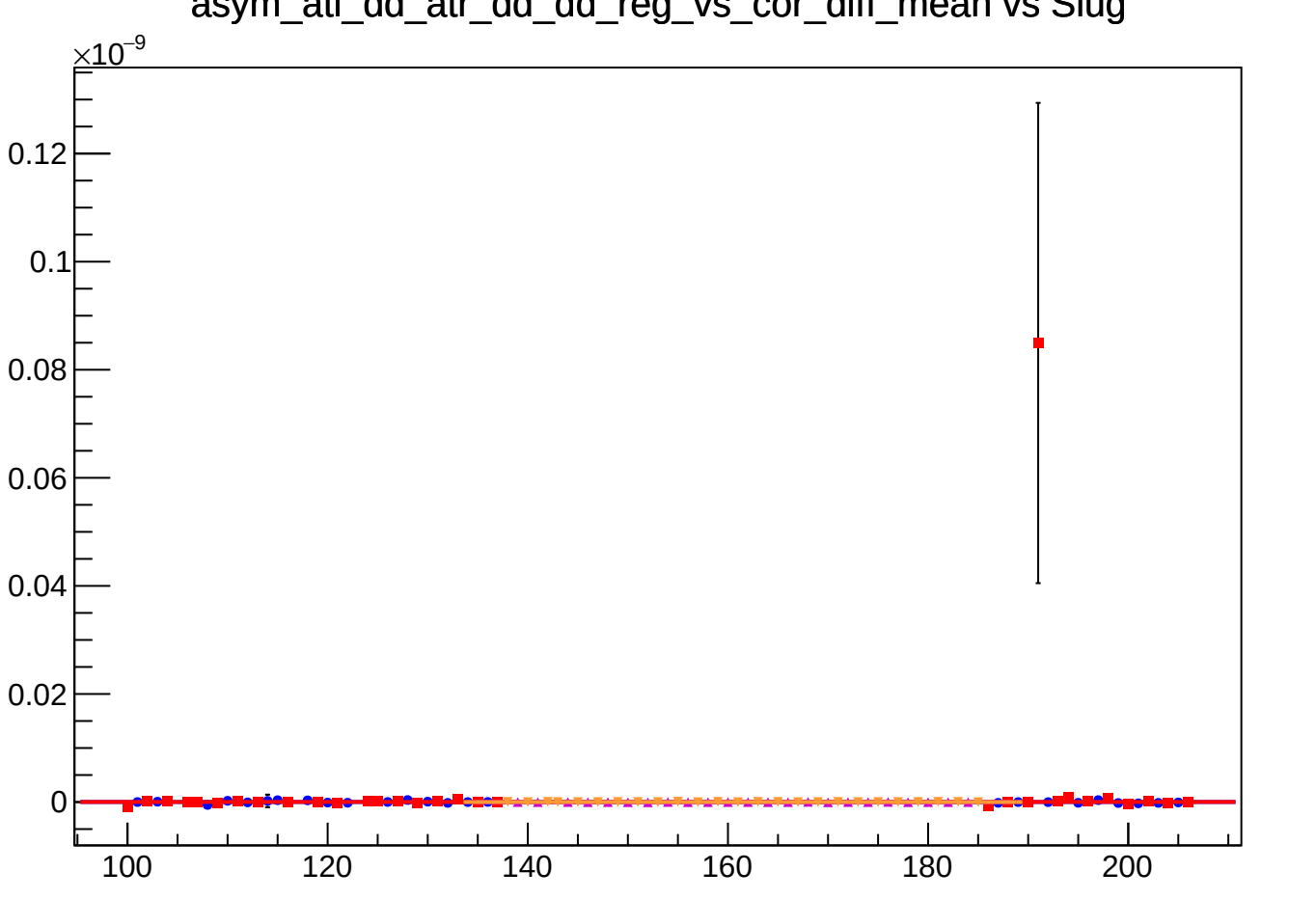
Right Out: 1905.838+/-0.341 χ^2/NDF: 991223.5/30

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1526.800+/-0.190 χ^2/NDF: 2472442.6/49

All: 1531.748+/-0.134 χ^2/NDF: 5219561.3/10

- sign 1536.626+/-0.189 χ^2/NDF: 2745775.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

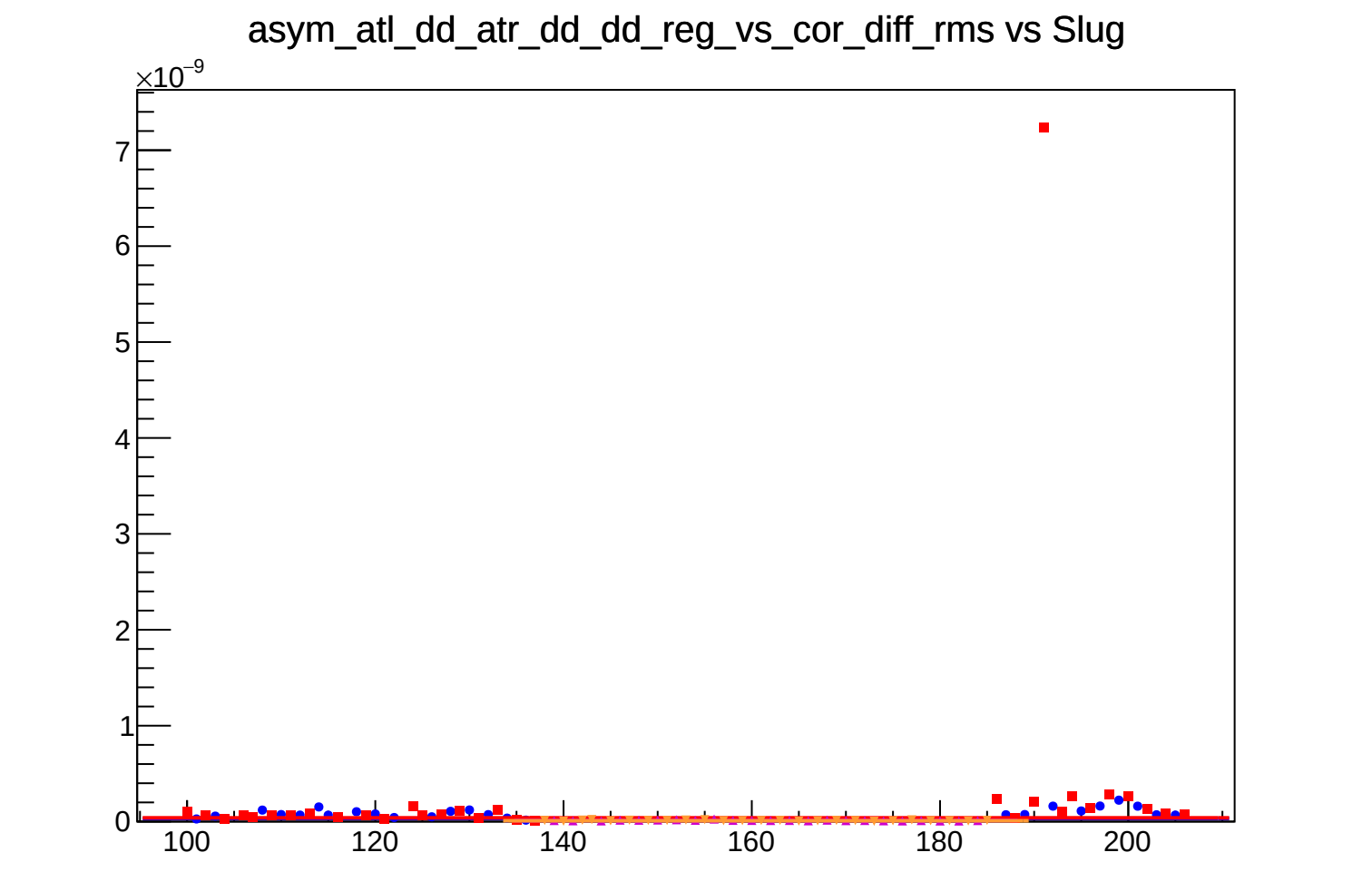
Right Out: 0.000+/-0.000 χ^2/NDF: 46.1/30

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/49

All: 0.000+/-0.000 χ^2/NDF: 108.5/103

- sign -0.000+/-0.000 χ^2/NDF: 60.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 5589797.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6427018.8/30

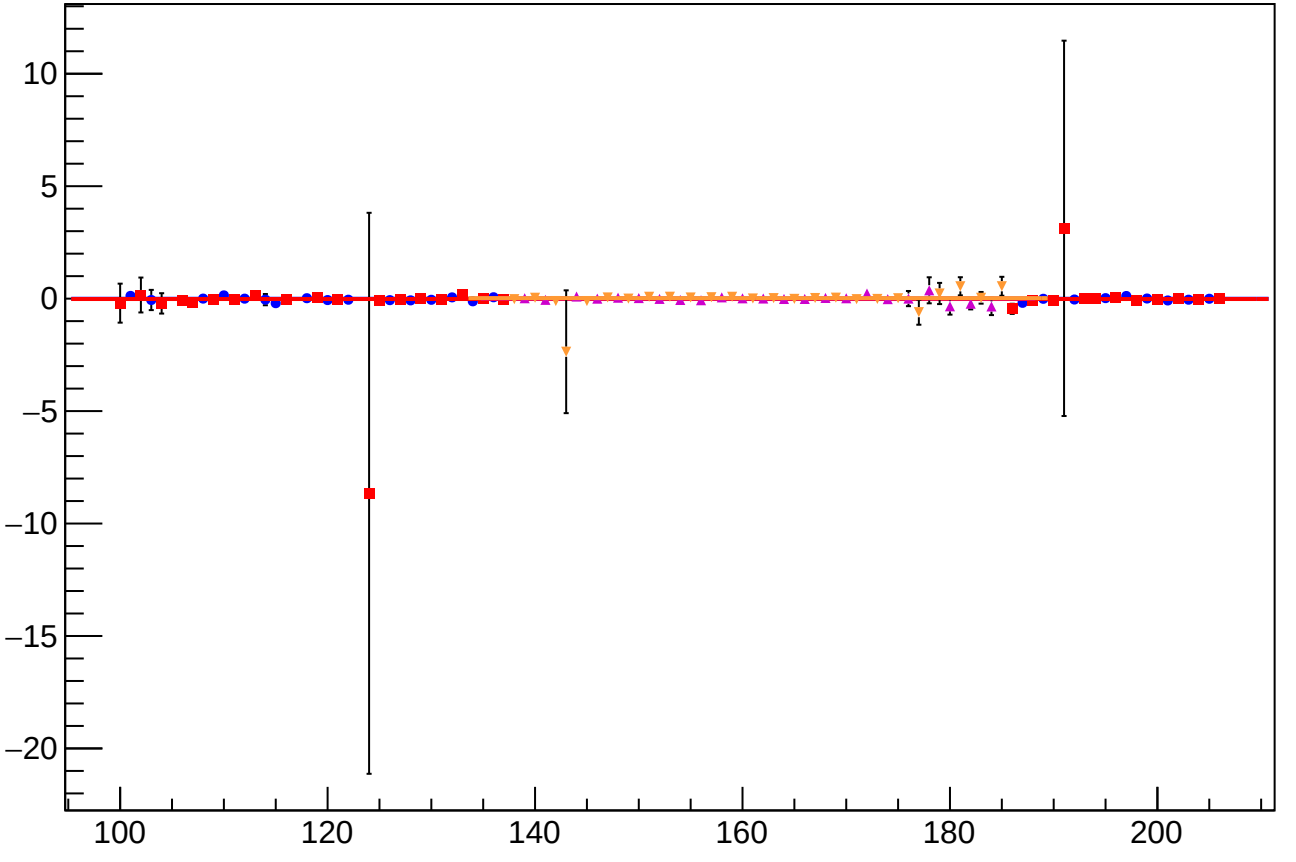
Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11016416.2/49

All: 0.000+/-0.000 χ^2/NDF: 22819019.6/103

- sign 0.000+/-0.000 χ^2/NDF: 11504039.2/53

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

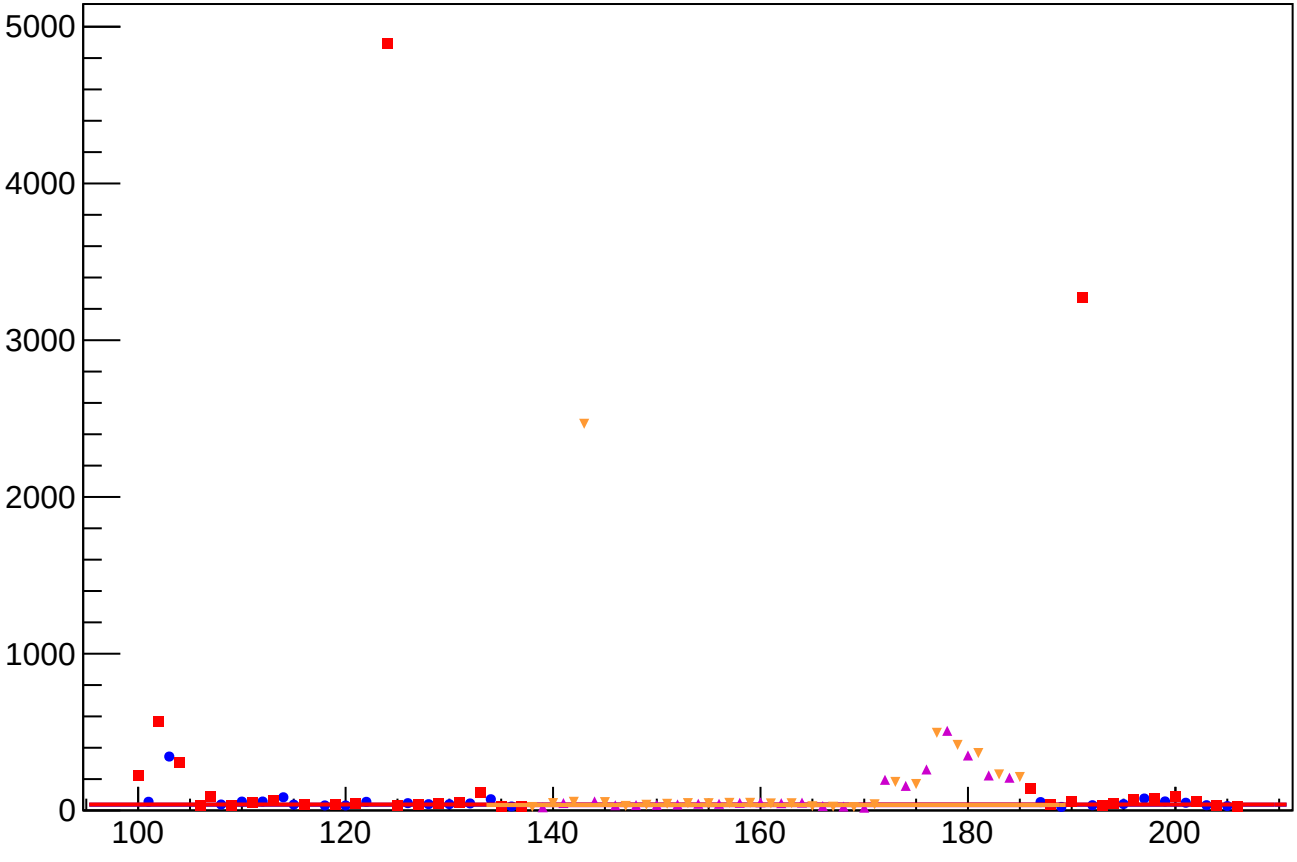
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/103

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

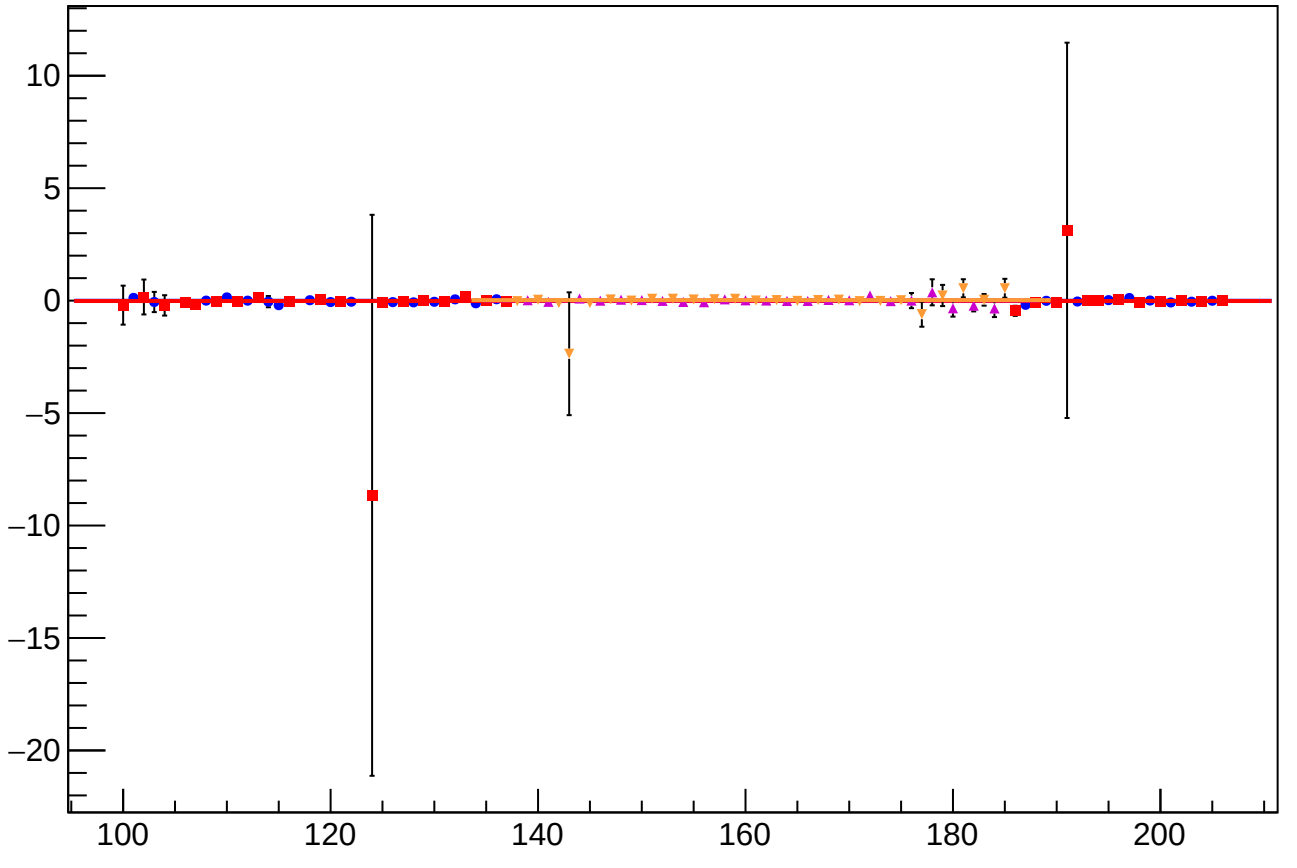
Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

\+ sign 35.481+/-0.005 χ^2/NDF: 14582342.7/49

All: 35.508+/-0.004 χ^2/NDF: 30670901.7/103

\- sign 35.534+/-0.005 χ^2/NDF: 16088509.5/53



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

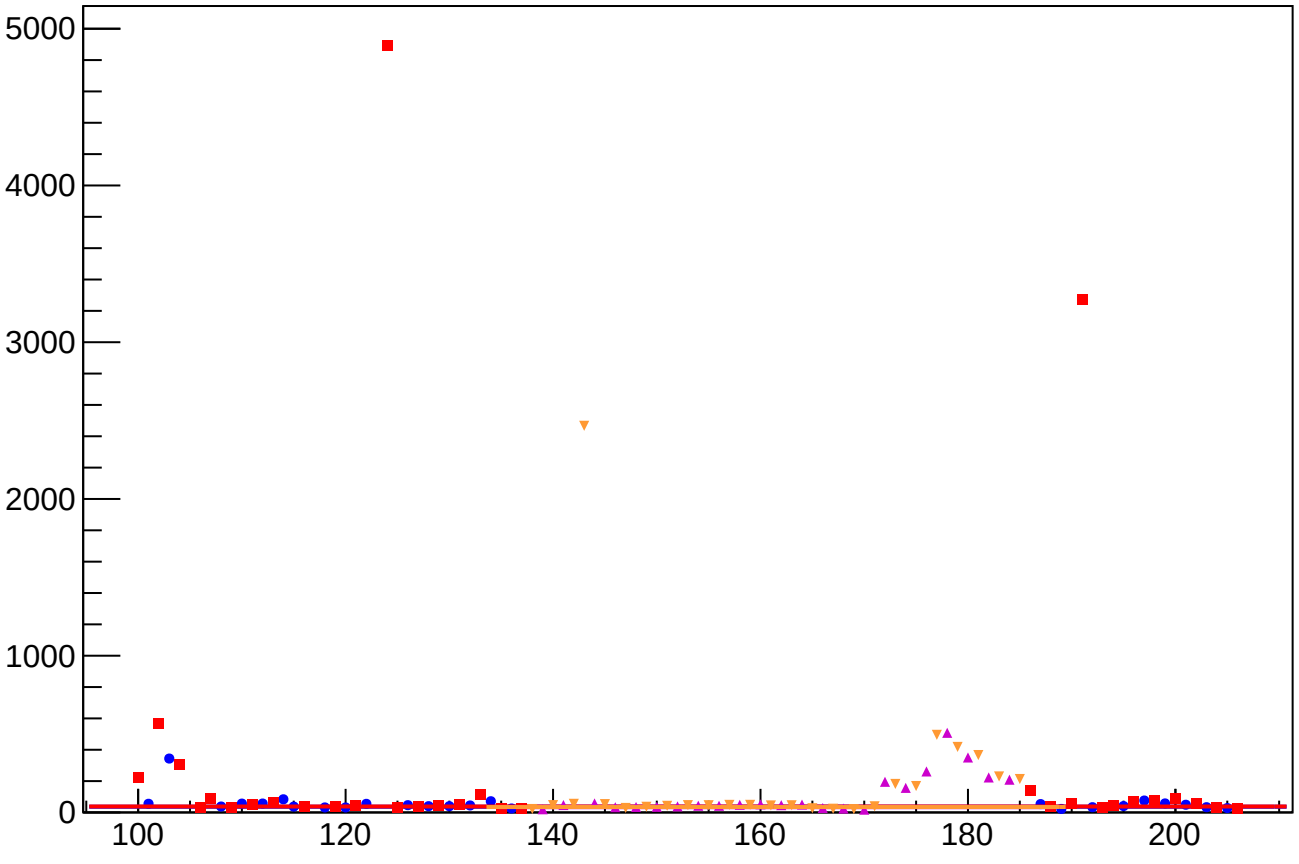
Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/103

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

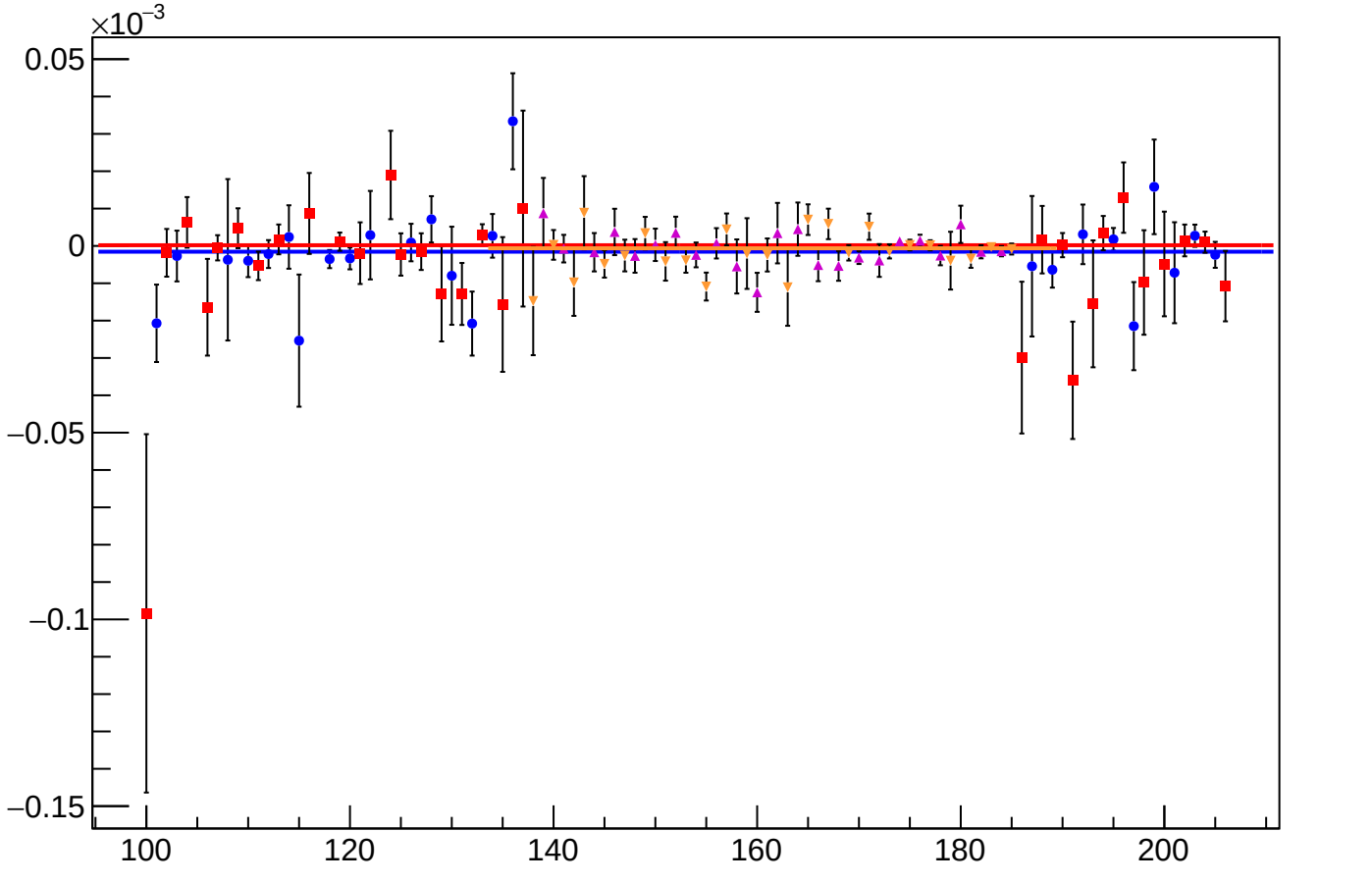
Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.481+/-0.005 χ^2/NDF: 14582342.7/49

All: 35.508+/-0.004 χ^2/NDF: 30670901.7/103

- sign 35.534+/-0.005 χ^2/NDF: 16088509.5/53



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

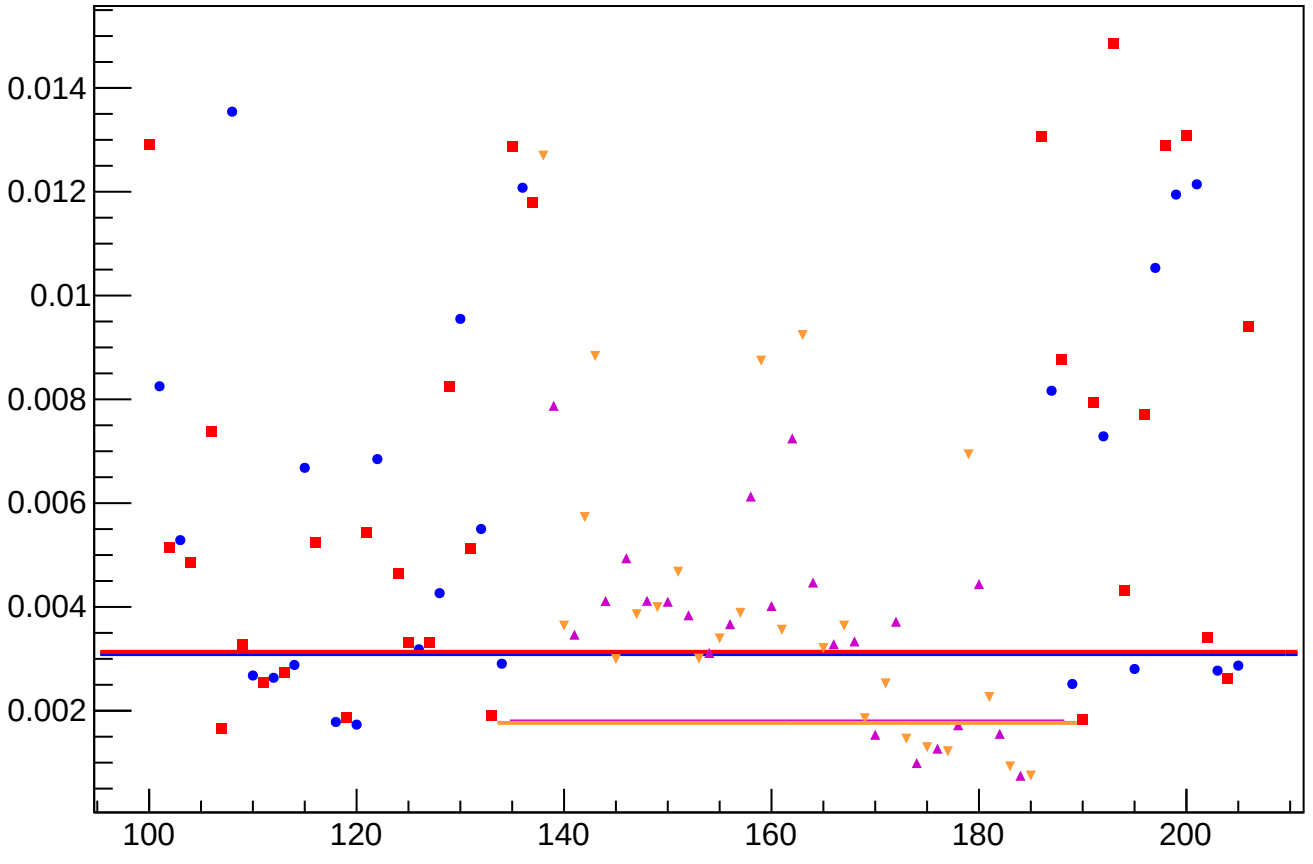
Right Out: 0.000+/-0.000 χ^2/NDF: 31.7/30

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.1/49

All: -0.000+/-0.000 χ^2/NDF: 115.6/103

- sign -0.000+/-0.000 χ^2/NDF: 54.2/53



Right In: 0.003+/-0.000 χ^2/NDF: 7654486.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

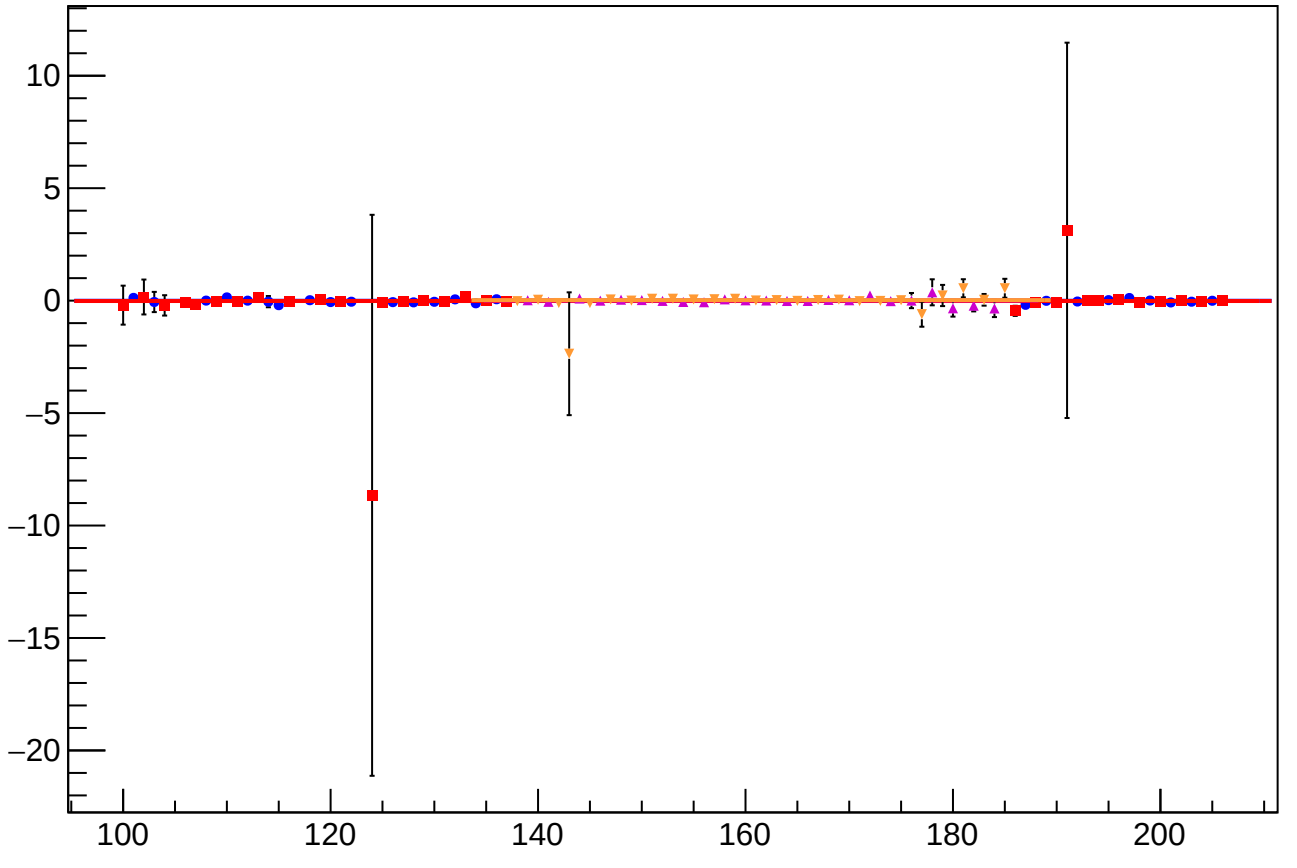
Right Out: 0.003+/-0.000 χ^2/NDF: 9758566.1/30

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 23301889.6/49

All: 0.002+/-0.000 χ^2/NDF: 46856737.2/103

- sign 0.002+/-0.000 χ^2/NDF: 23518585.6/53



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

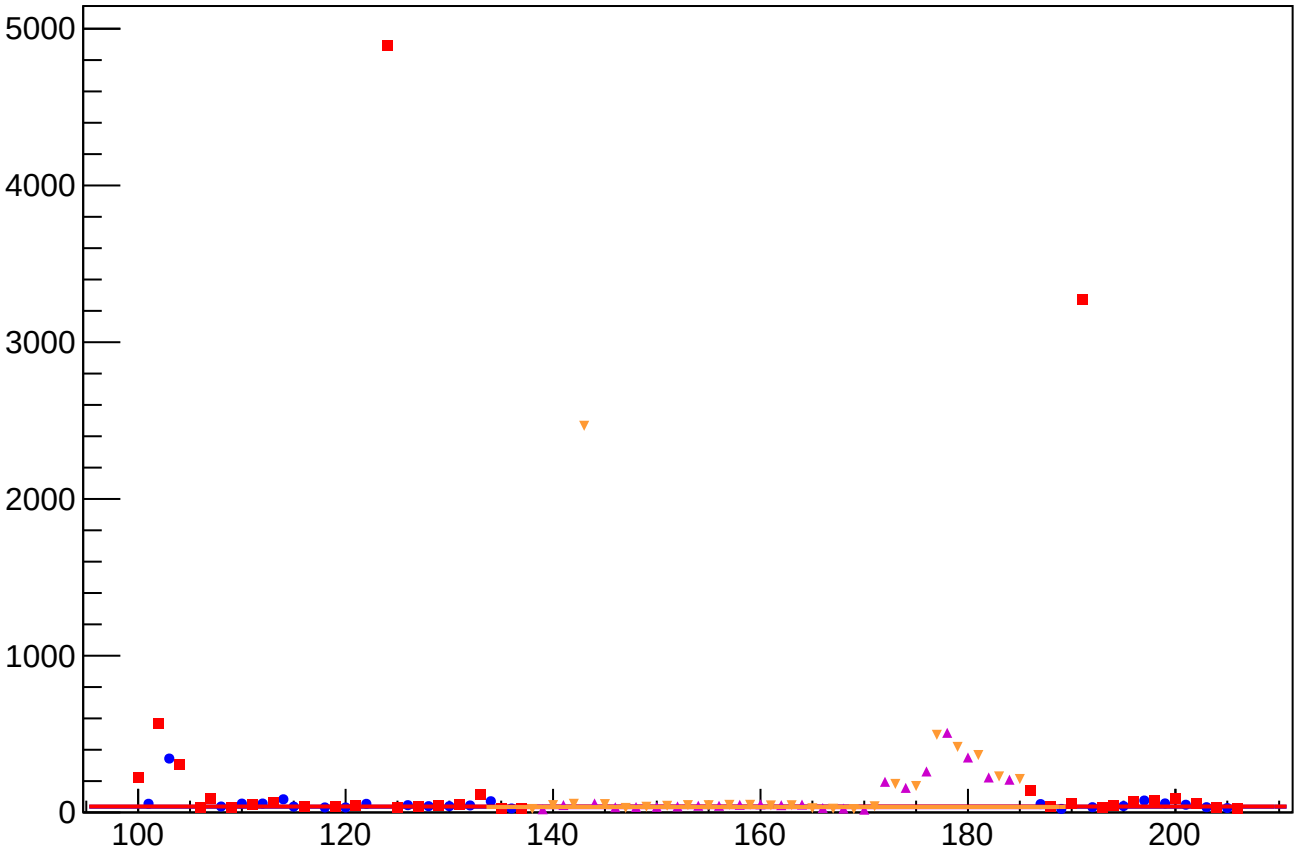
Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/103

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

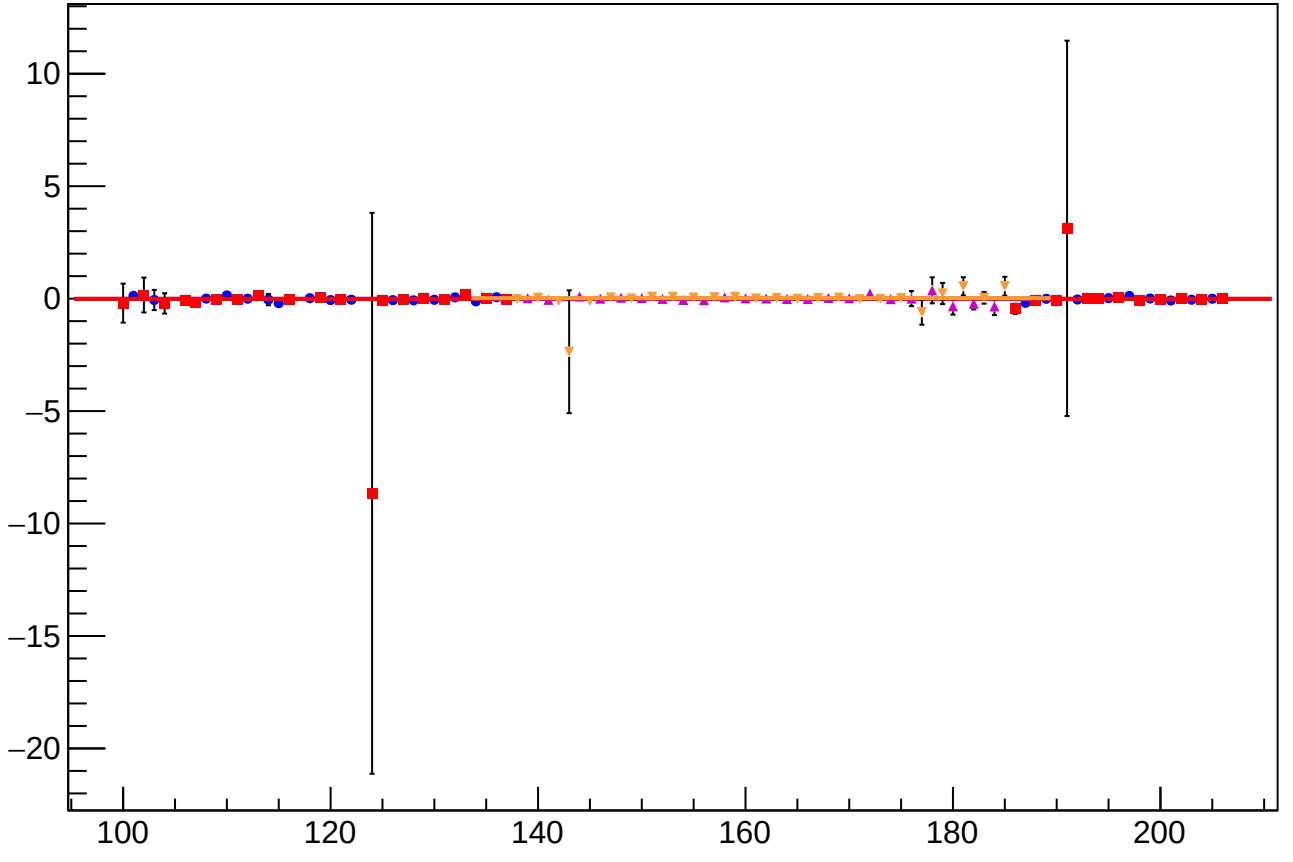
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.481+/-0.005 χ^2/NDF: 14581788.3/49

All: 35.509+/-0.004 χ^2/NDF: 30668647.4/103

- sign 35.536+/-0.005 χ^2/NDF: 16086806.4/53

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

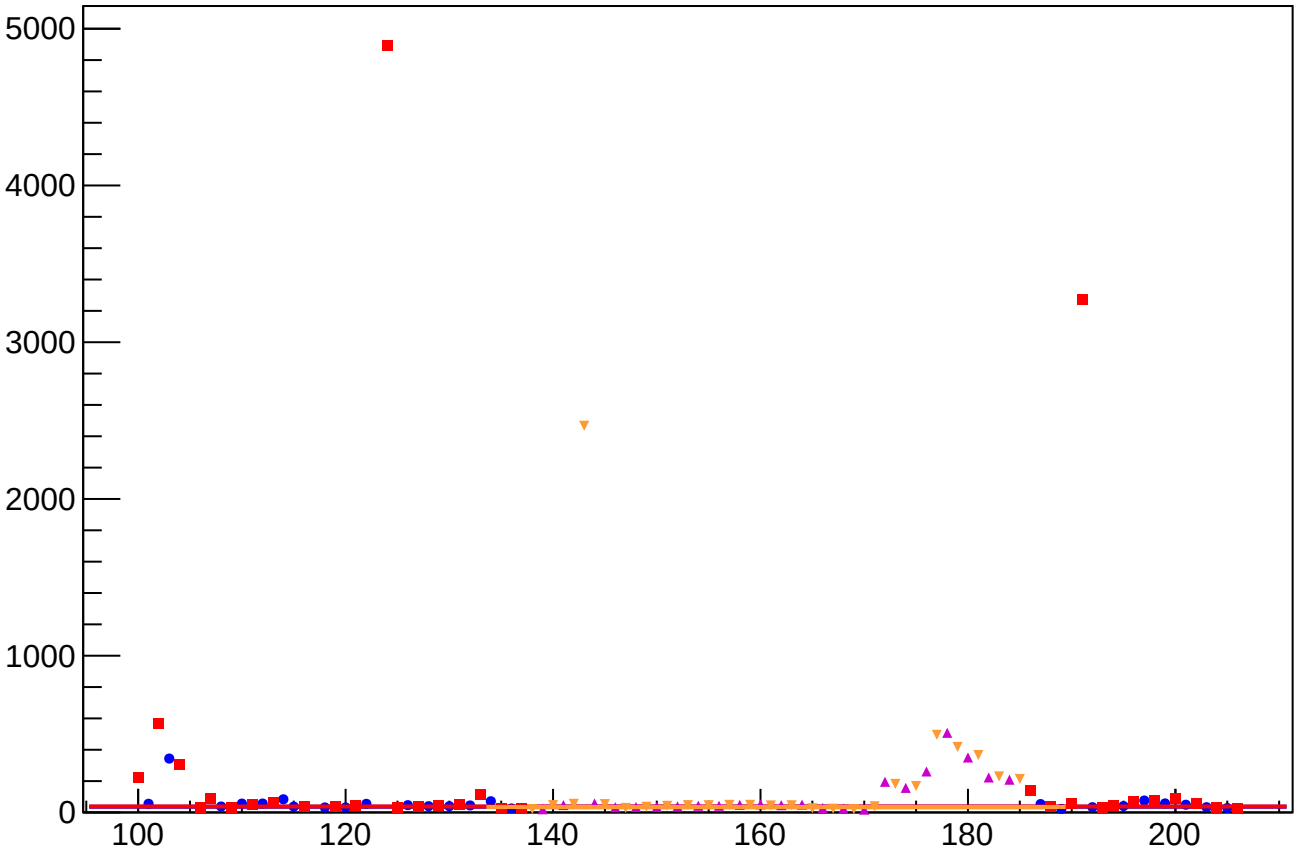
Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/103

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

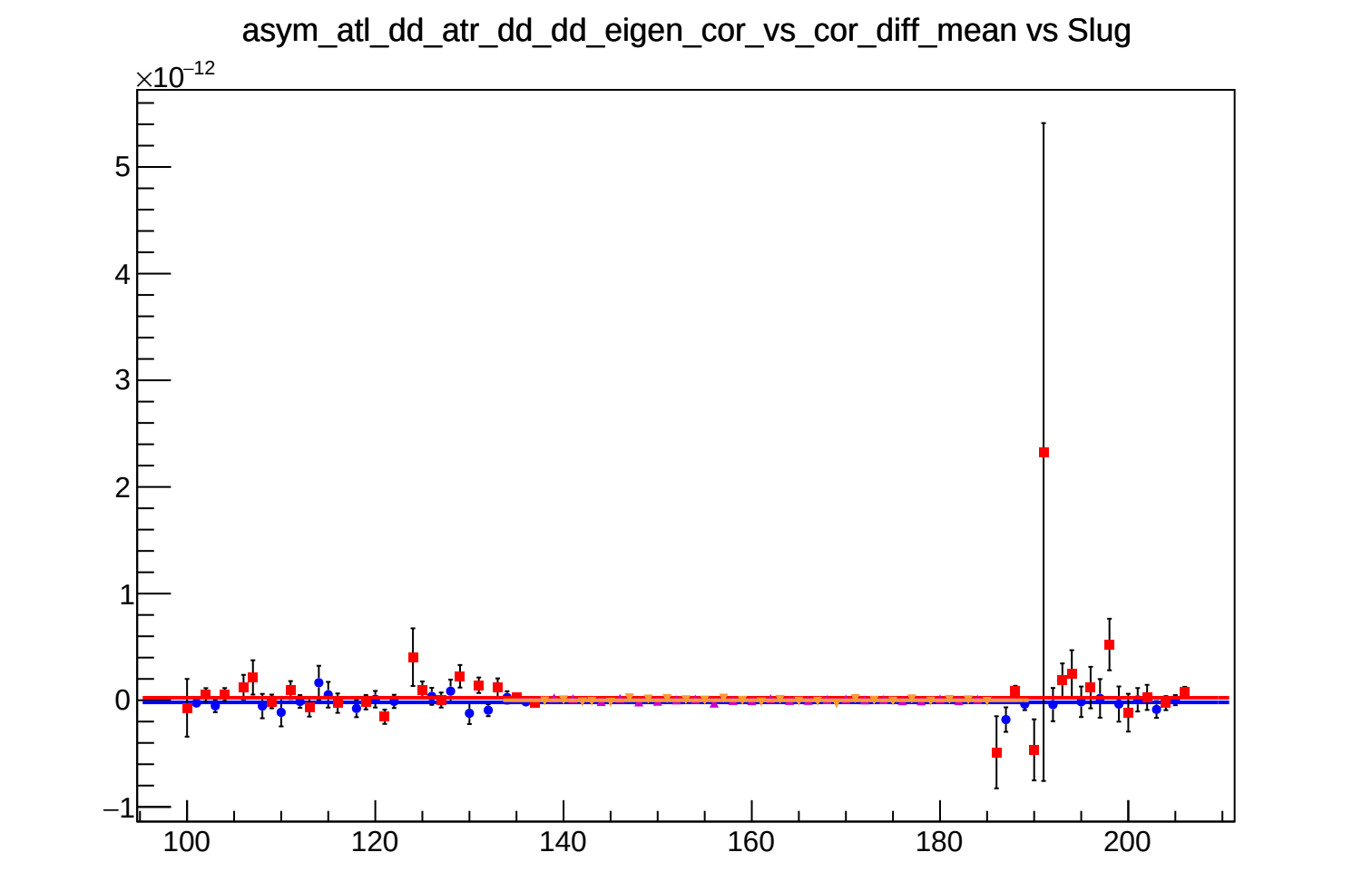
Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.481+/-0.005 χ^2/NDF: 14581788.3/49

All: 35.509+/-0.004 χ^2/NDF: 30668647.4/103

- sign 35.536+/-0.005 χ^2/NDF: 16086806.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

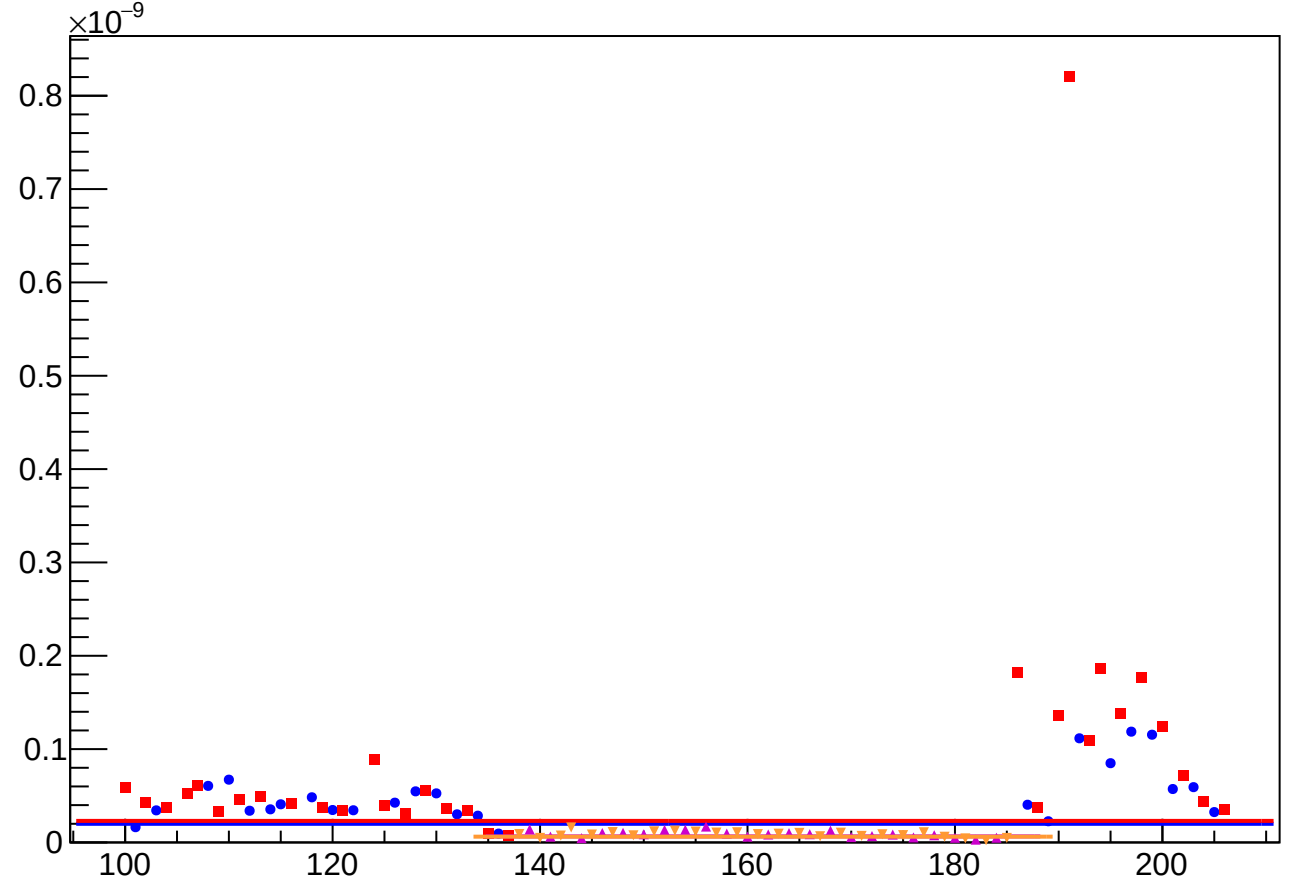
Right Out: 0.000+/-0.000 χ^2/NDF: 44.2/30

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.7/49

All: 0.000+/-0.000 χ^2/NDF: 112.1/103

- sign 0.000+/-0.000 χ^2/NDF: 68.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 6698069.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9604991.0/30

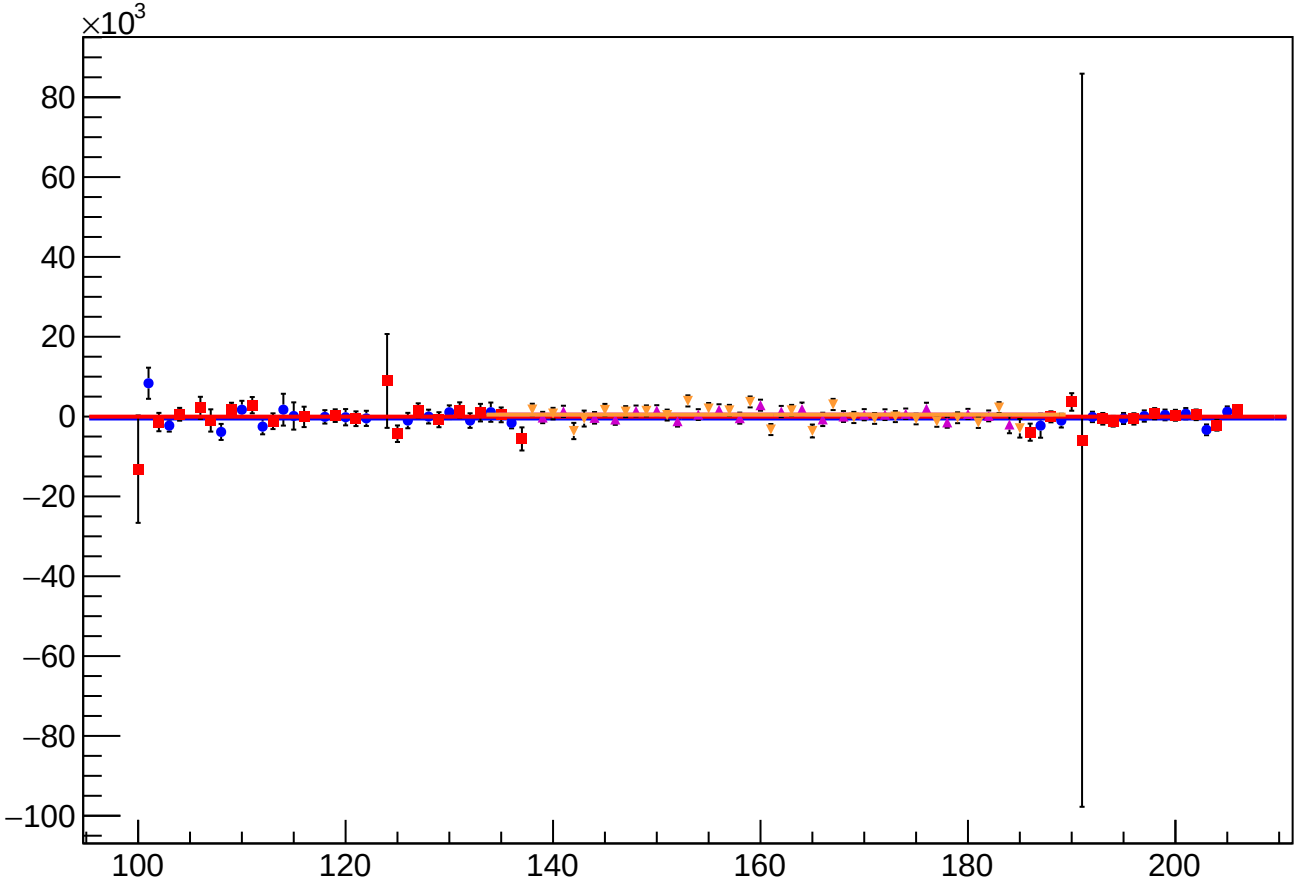
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 15920436.4/49

All: 0.000+/-0.000 χ^2/NDF: 34603213.1/103

- sign 0.000+/-0.000 χ^2/NDF: 18651746.8/53

reg_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -477.378+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -18.212+/-323.963 χ^2/NDF: 28.0/30

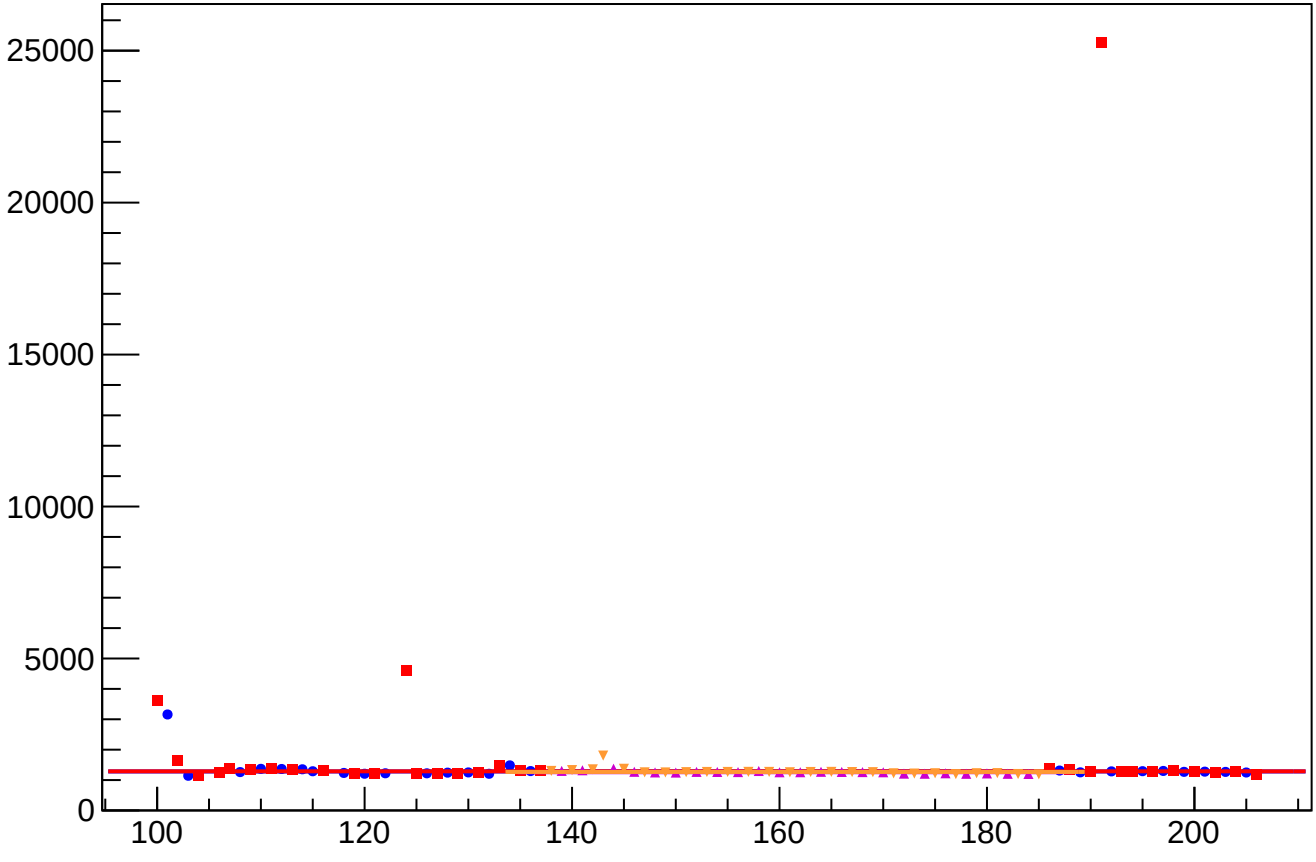
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 93.145+/-221.317 χ^2/NDF: 73.4/49

All: 177.435+/-155.171 χ^2/NDF: 117.5/103

- sign 258.932+/-217.620 χ^2/NDF: 43.8/53

reg_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517899.3/24

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

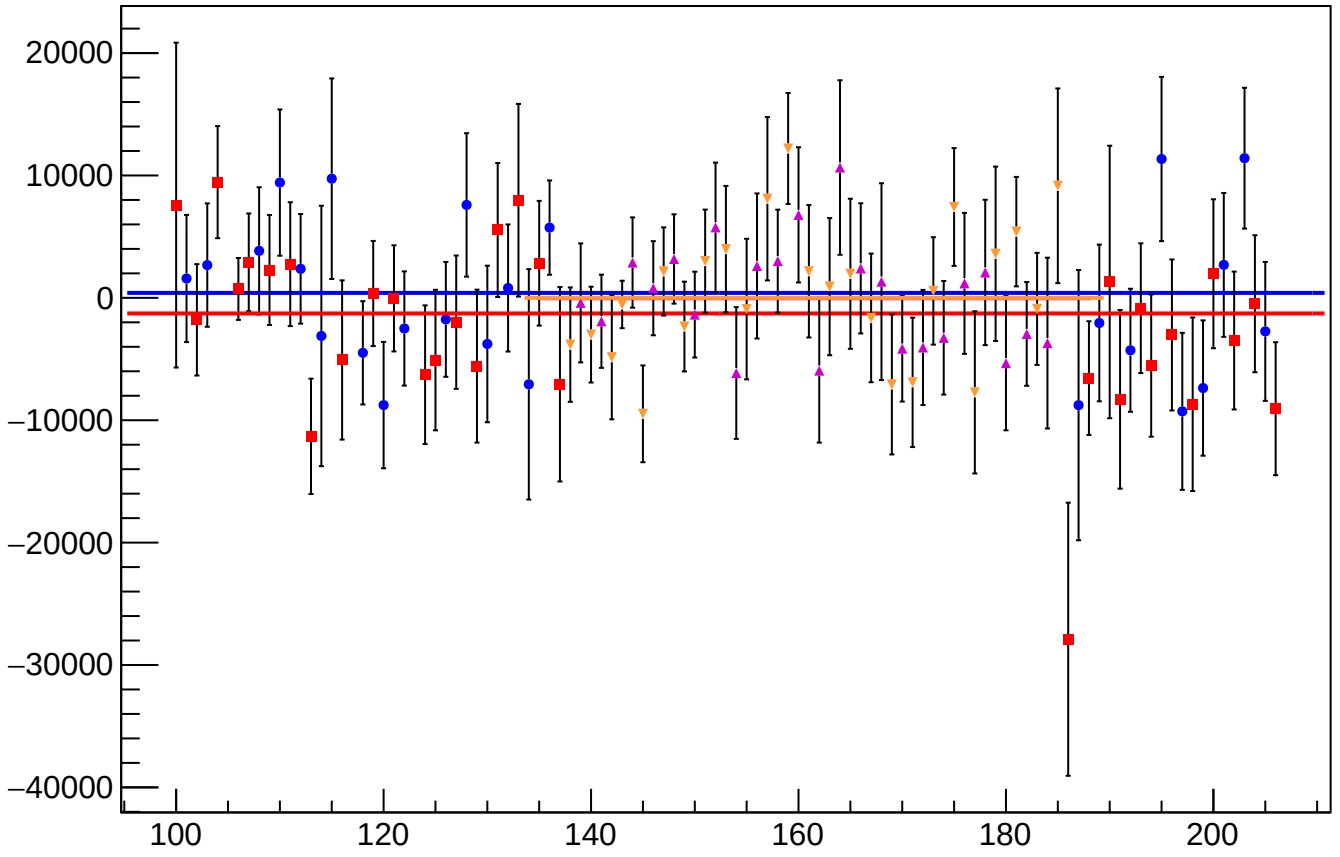
Right Out: 1287.807+/-0.229 χ^2/NDF: 482231.5/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707950.6/49

All: 1272.350+/-0.110 χ^2/NDF: 1236692.9/10

- sign 1271.221+/-0.154 χ^2/NDF: 528632.7/53



Right In: 403.406+/-1110.466 χ^2/NDF: 26.9/24

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

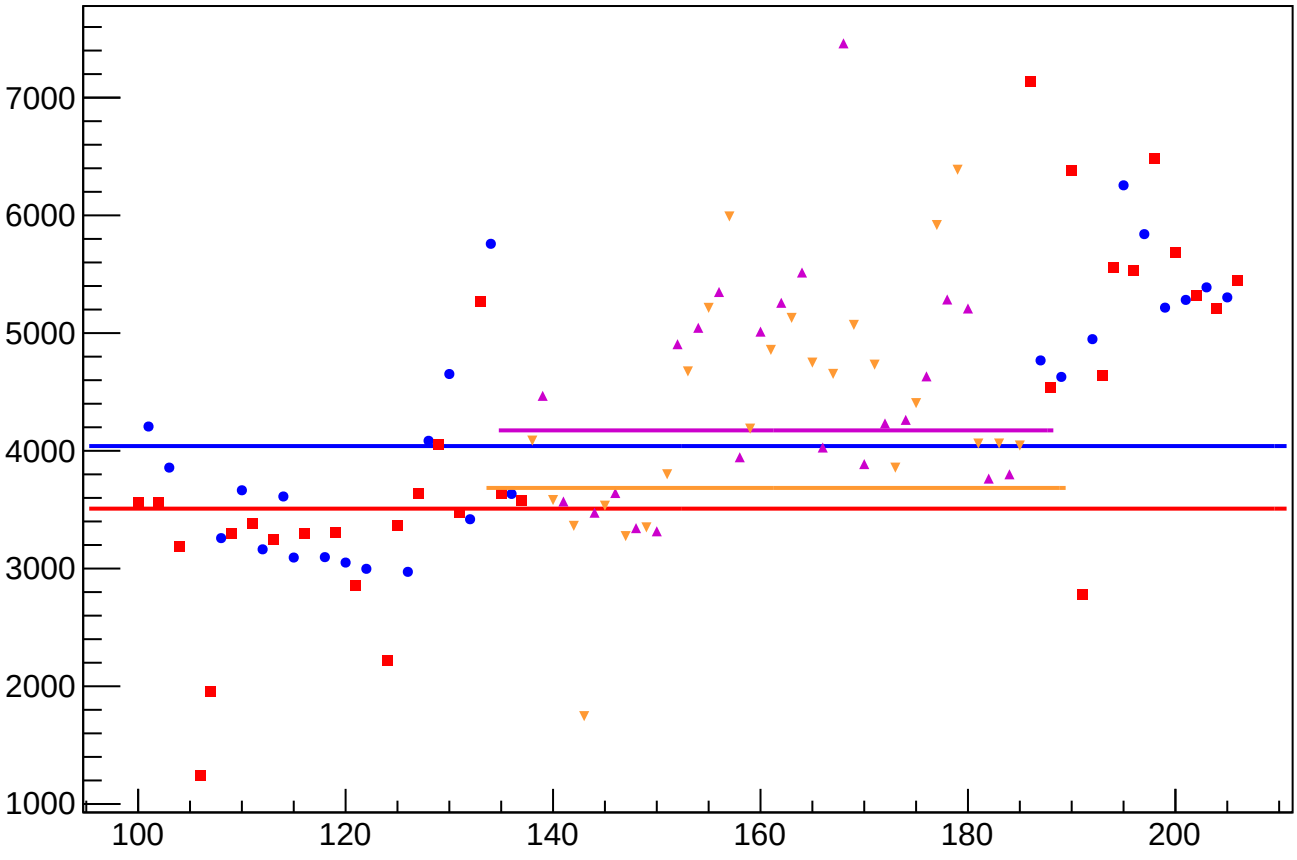
Right Out: -1274.218+/-941.994 χ^2/NDF: 32.1/30

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 156.650+/-692.804 χ^2/NDF: 56.0/49

All: -270.513+/-486.807 χ^2/NDF: 103.7/103

- sign -687.101+/-684.175 χ^2/NDF: 46.9/53



Right In: 4040.423+/-0.785 χ^2/NDF: 1532120.6/24

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3508.883+/-0.666 χ^2/NDF: 4479226.0/30

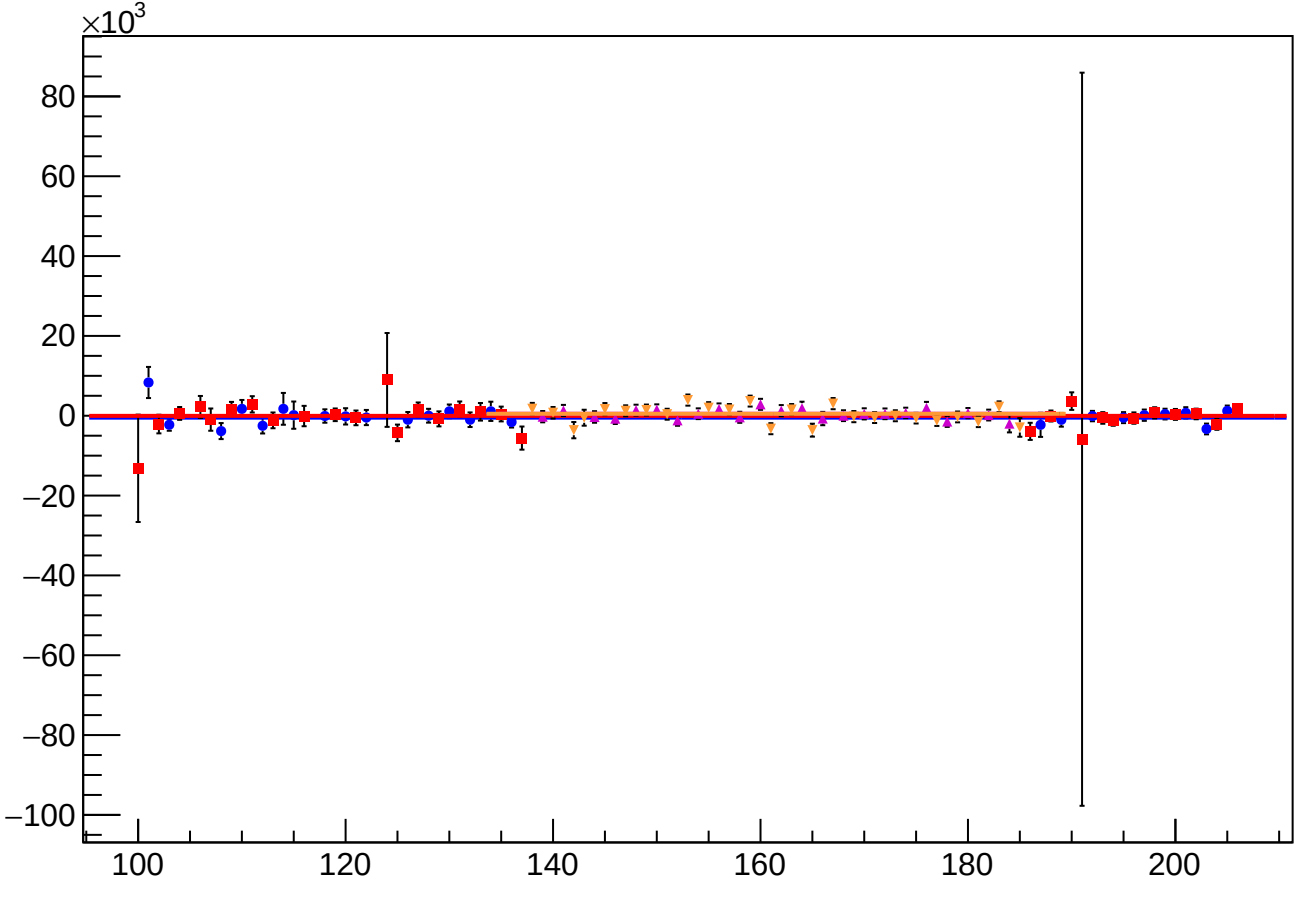
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3823.201+/-0.490 χ^2/NDF: 5351067.3/49

All: 3823.063+/-0.344 χ^2/NDF: 11575734.8/1

- sign 3822.928+/-0.484 χ^2/NDF: 6224667.3/53

cor_asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -31.039+/-324.058 χ^2/NDF: 28.5/30

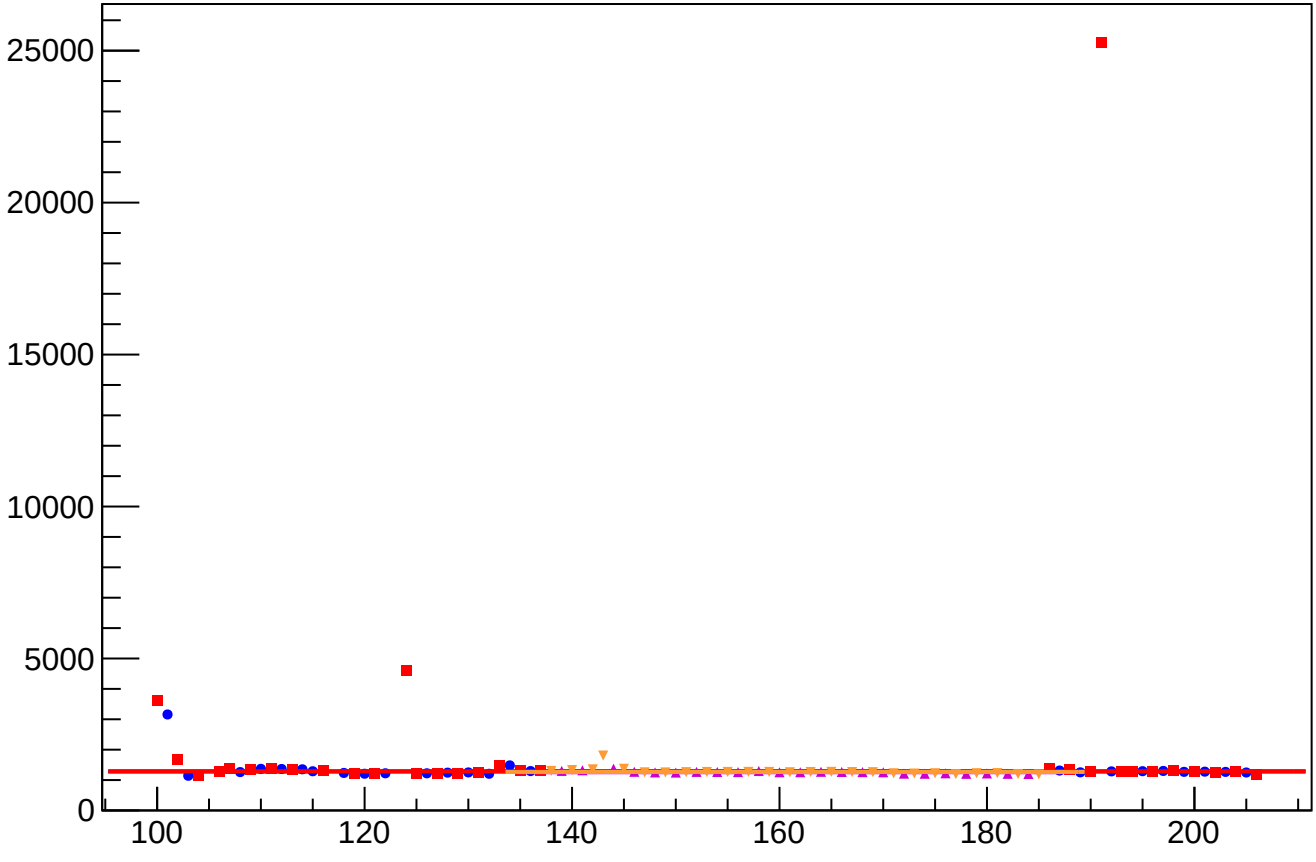
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 93.095+/-221.317 χ^2/NDF: 73.4/49

All: 174.467+/-155.181 χ^2/NDF: 118.0/103

- sign 253.163+/-217.648 χ^2/NDF: 44.3/53

cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

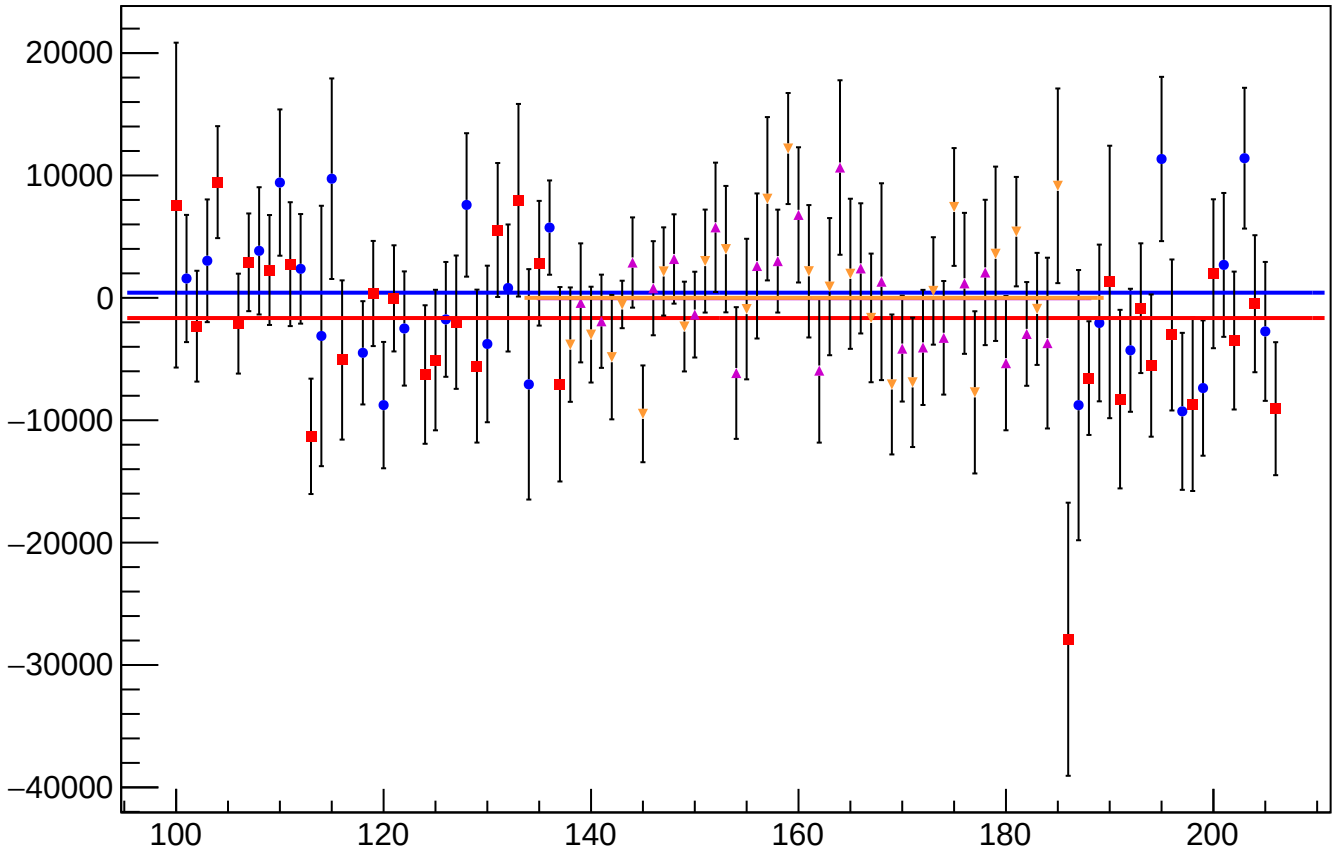
Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707952.0/49

All: 1272.548+/-0.110 χ^2/NDF: 1244141.1/10

- sign 1271.610+/-0.154 χ^2/NDF: 536113.4/53



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

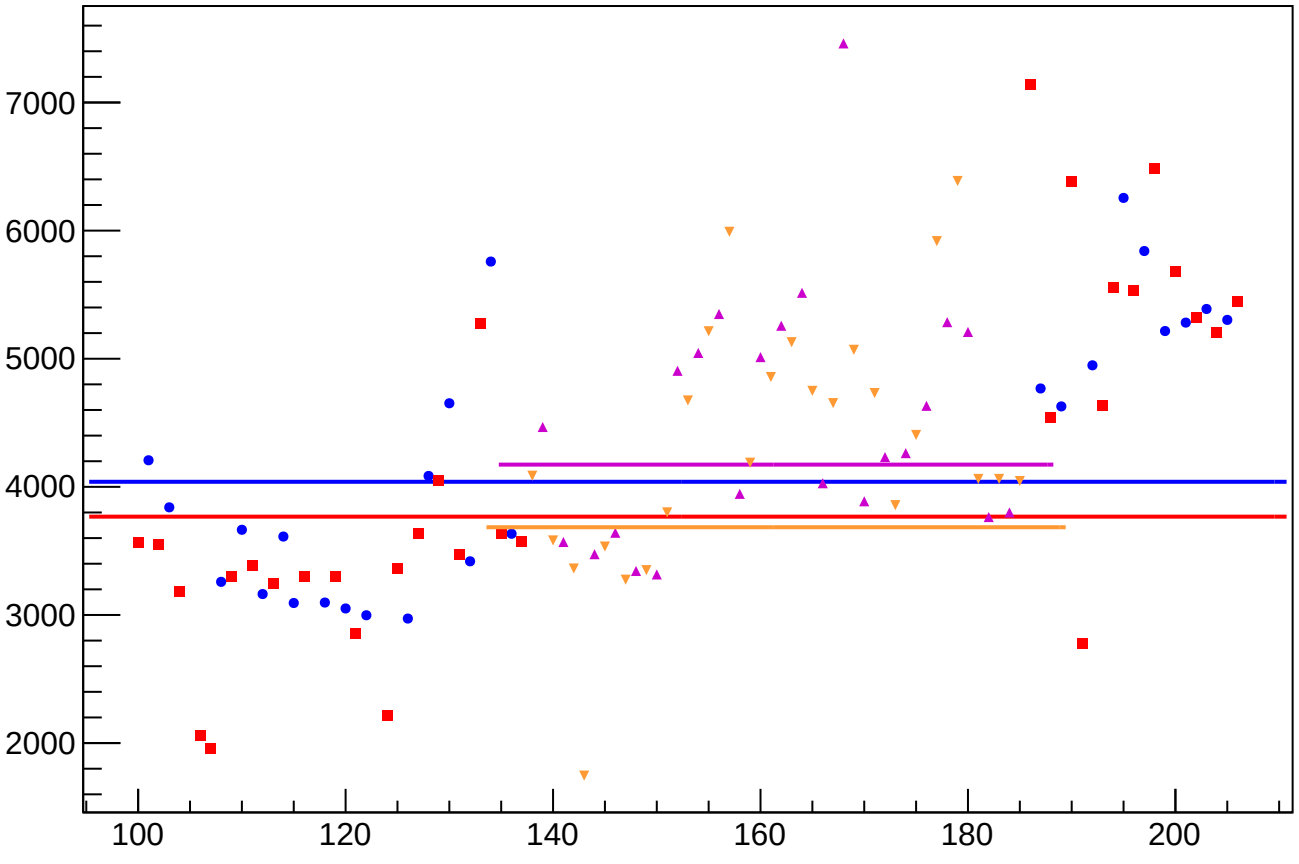
Right Out: -1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 163.853+/-692.739 χ^2/NDF: 56.1/49

All: -337.432+/-492.399 χ^2/NDF: 103.9/103

- sign -849.330+/-700.033 χ^2/NDF: 46.7/53



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

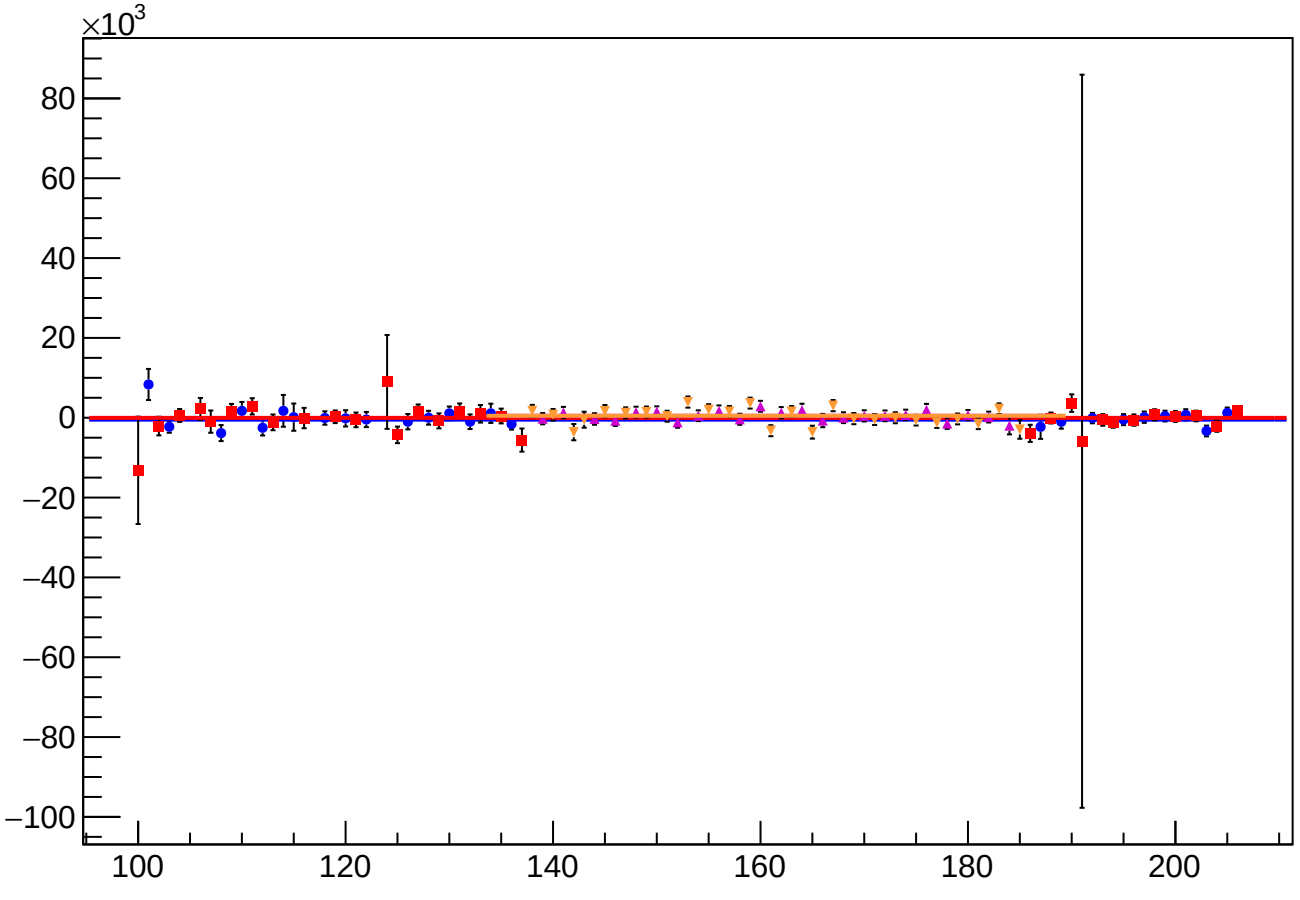
Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3822.888+/-0.490 χ^2/NDF: 5351105.7/49

All: 3894.840+/-0.348 χ^2/NDF: 9823998.8/10

- sign 3968.315+/-0.495 χ^2/NDF: 4429284.0/53



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -31.039+/-324.058 χ^2/NDF: 28.5/30

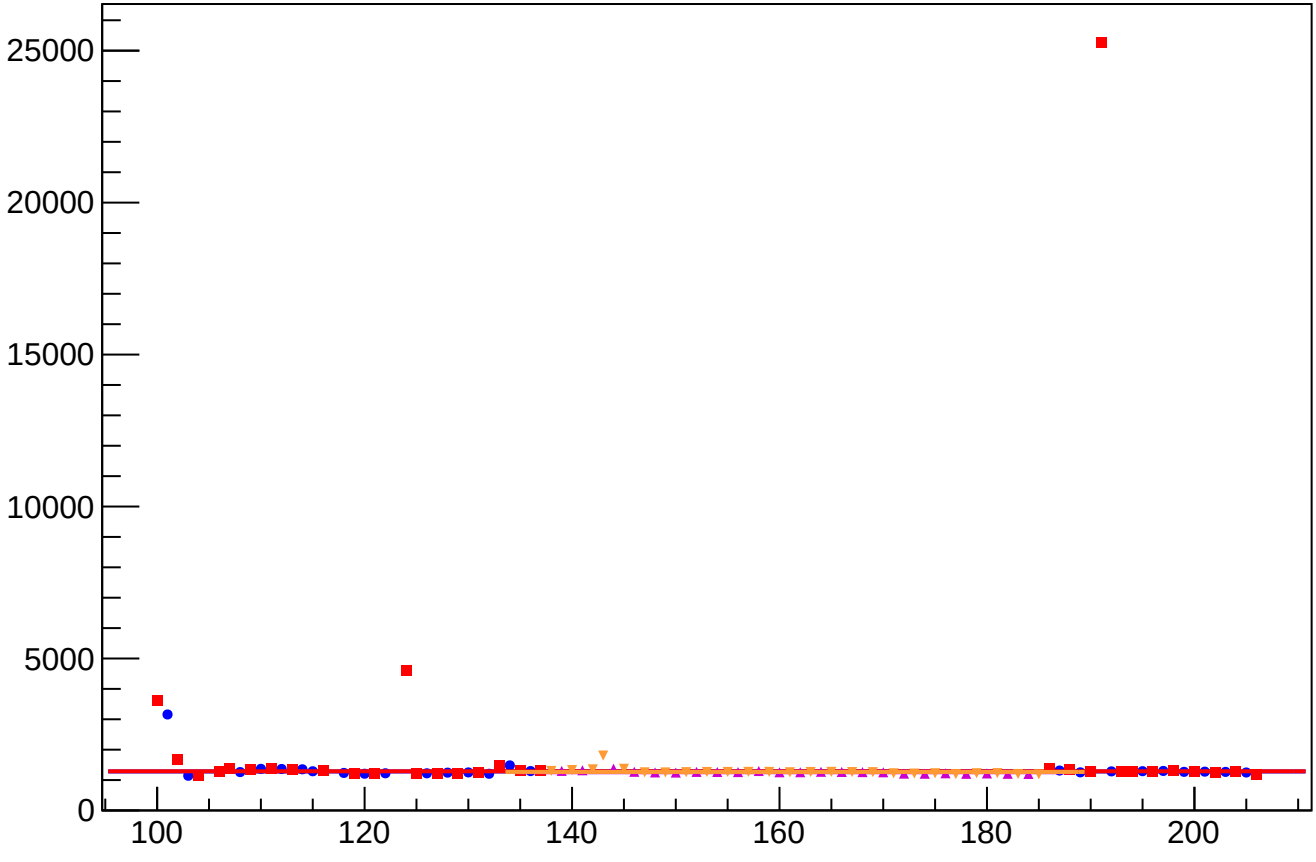
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 93.095+/-221.317 χ^2/NDF: 73.4/49

All: 174.467+/-155.181 χ^2/NDF: 118.0/103

- sign 253.163+/-217.648 χ^2/NDF: 44.3/53

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

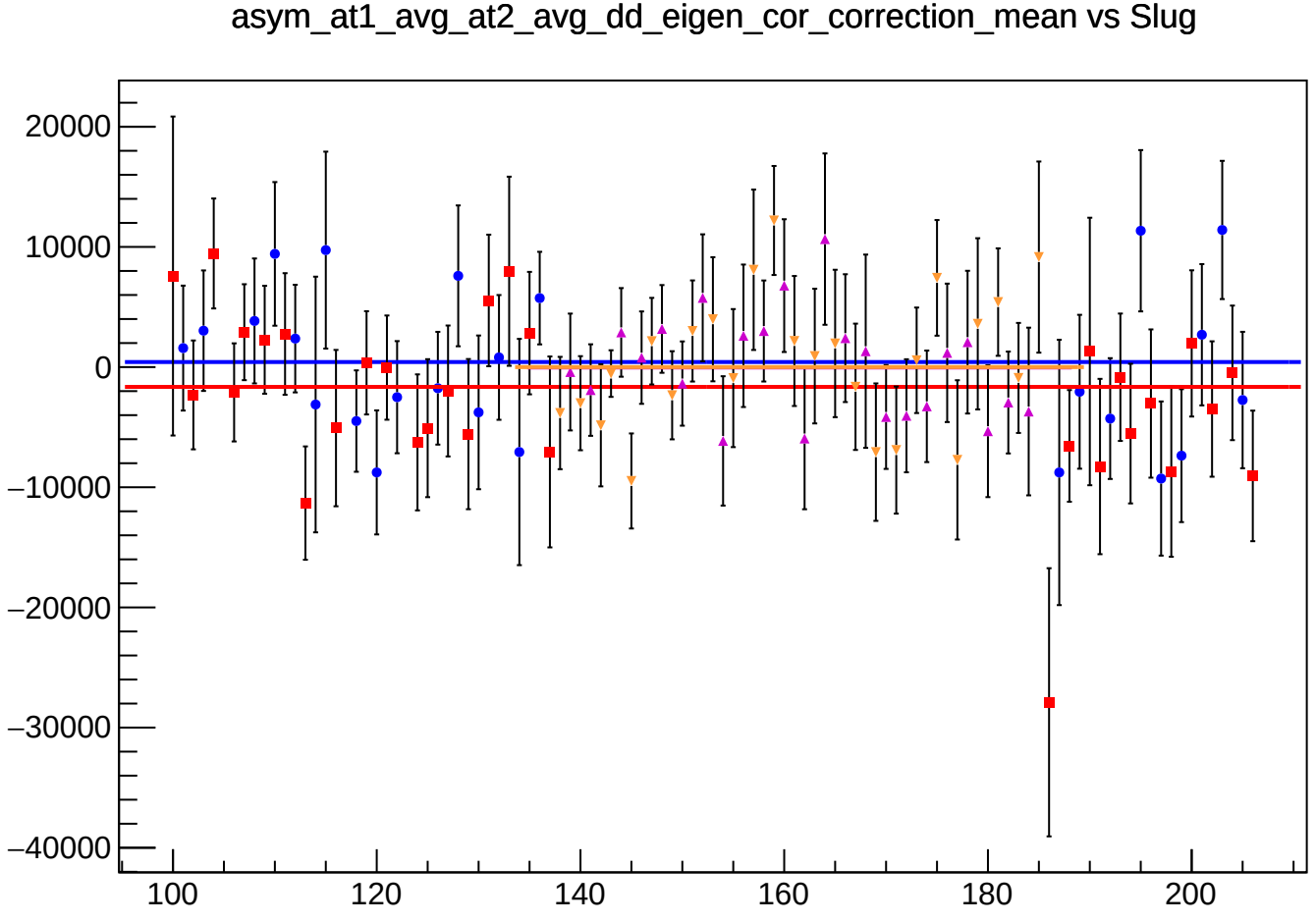
Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707952.0/49

All: 1272.548+/-0.110 χ^2/NDF: 1244141.1/10

- sign 1271.610+/-0.154 χ^2/NDF: 536113.4/53



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

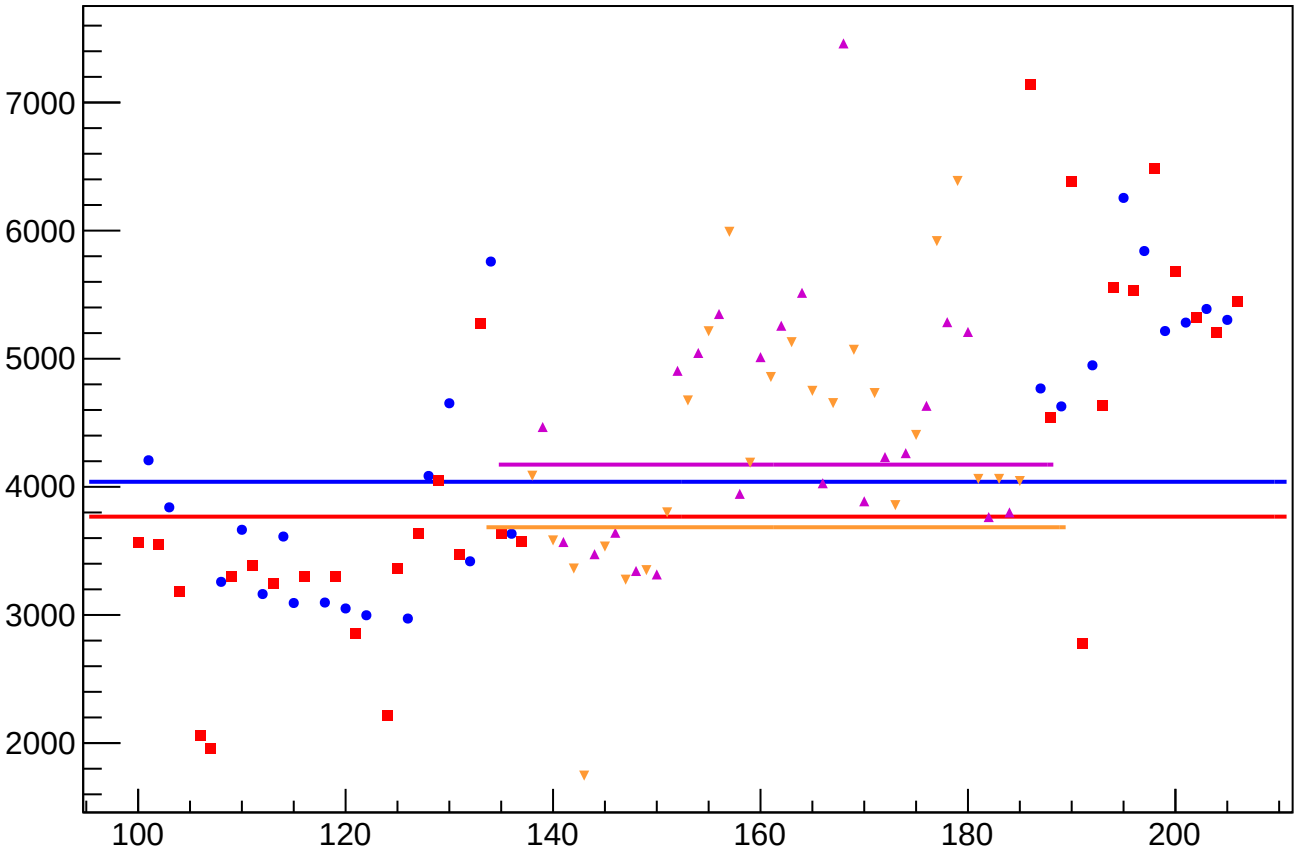
Right Out: -1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 163.853+/-692.739 χ^2/NDF: 56.1/49

All: -337.432+/-492.399 χ^2/NDF: 103.9/103

- sign -849.330+/-700.033 χ^2/NDF: 46.7/53



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

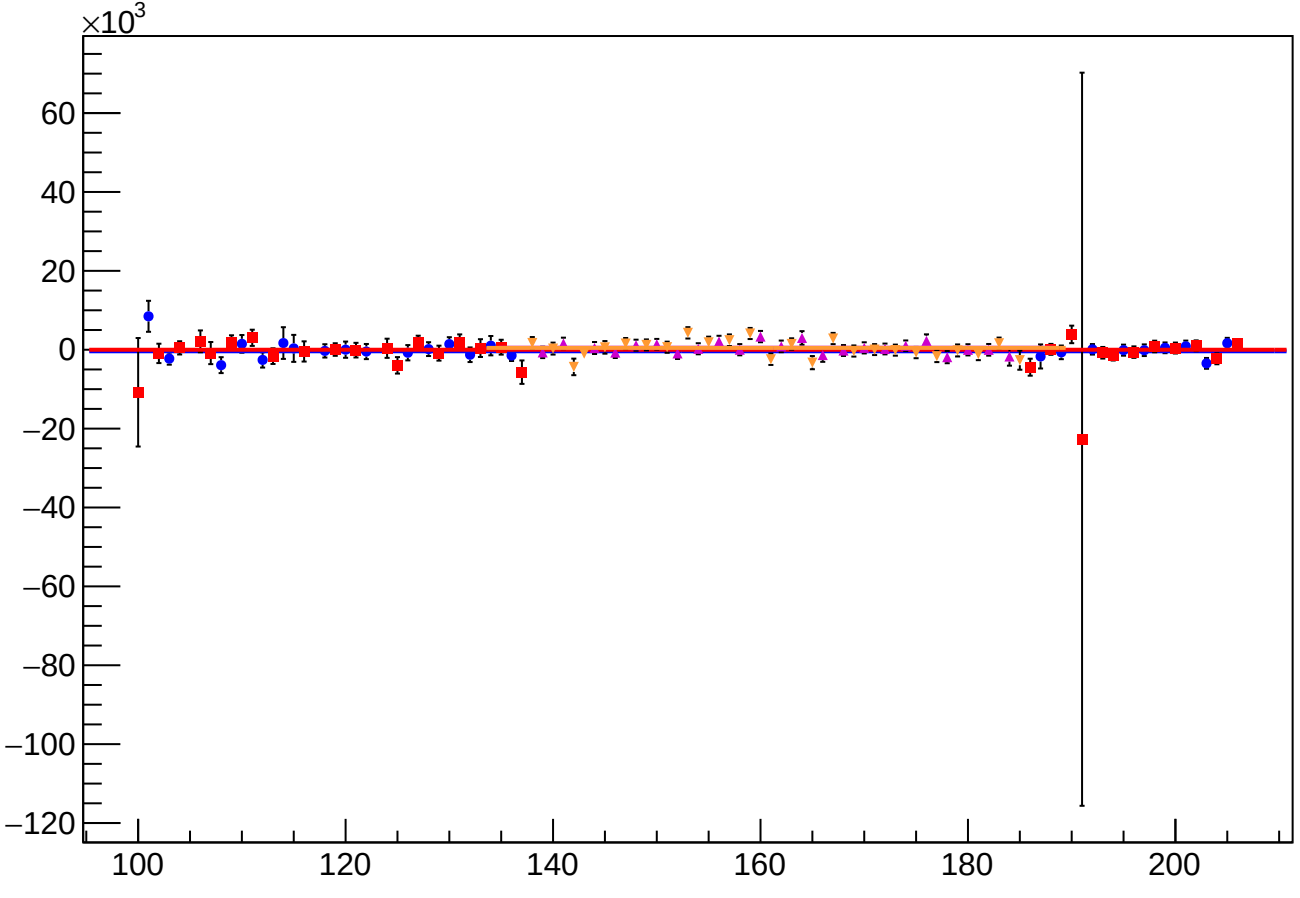
Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3822.888+/-0.490 χ^2/NDF: 5351105.7/49

All: 3894.840+/-0.348 χ^2/NDF: 9823998.8/10

- sign 3968.315+/-0.495 χ^2/NDF: 4429284.0/53



Right In: -393.186+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -5.003+/-326.544 χ^2/NDF: 29.0/30

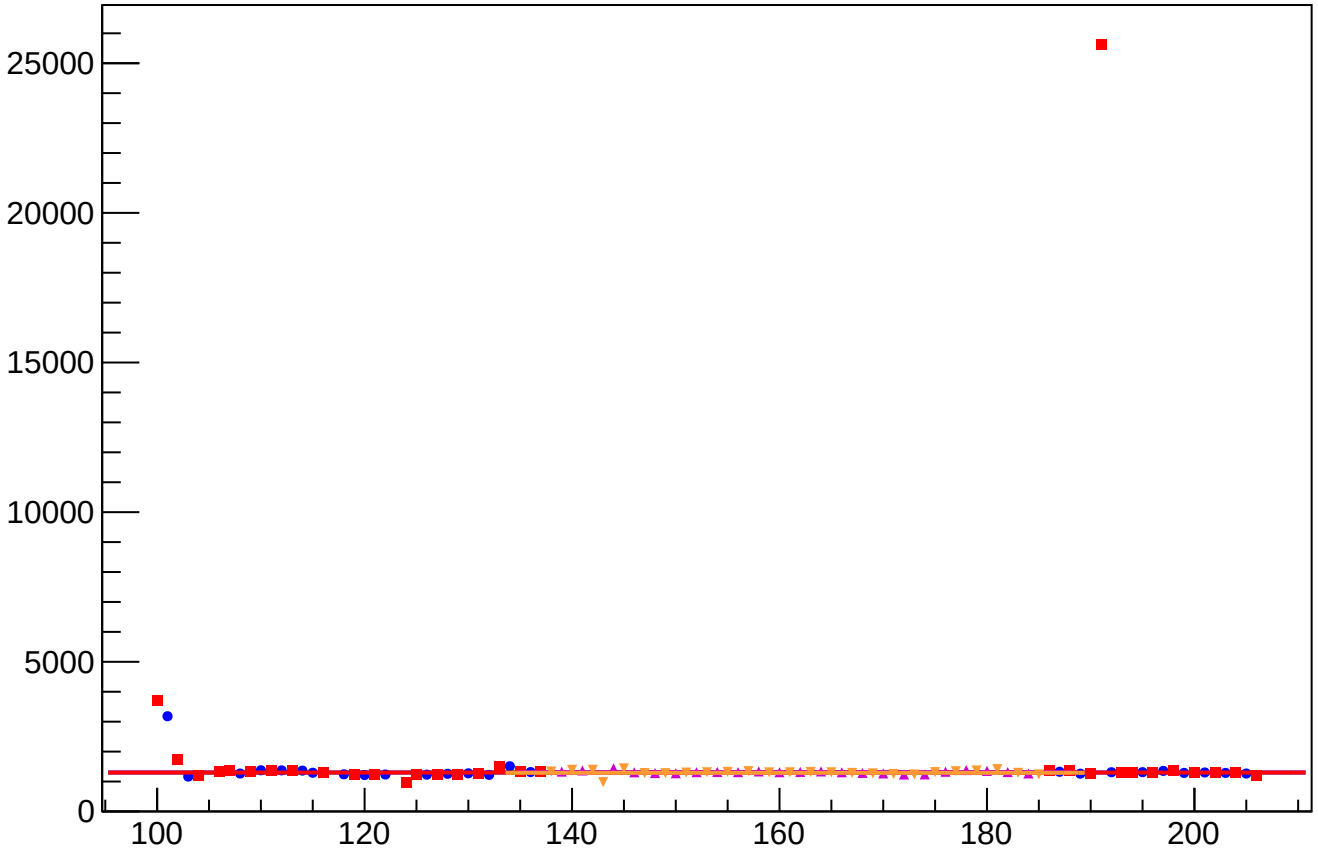
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 111.489+/-225.270 χ^2/NDF: 70.8/49

All: 188.736+/-158.729 χ^2/NDF: 118.7/103

- sign 264.905+/-223.693 χ^2/NDF: 47.7/53

dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1301.840+/-0.248 χ^2/NDF: 516314.9/24

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

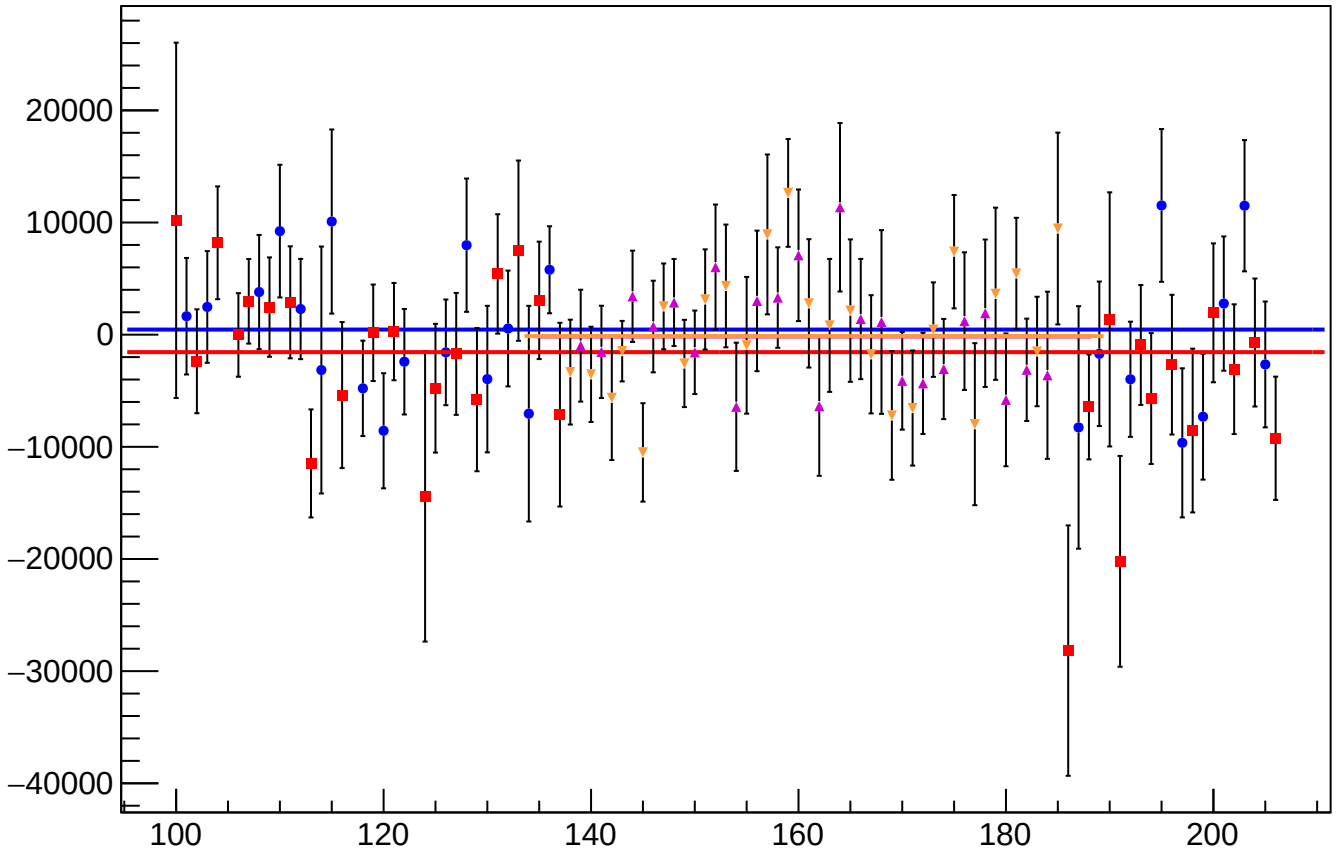
Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.0/30

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1295.610+/-0.159 χ^2/NDF: 748130.2/49

All: 1301.569+/-0.112 χ^2/NDF: 1173870.0/10

- sign 1307.442+/-0.158 χ^2/NDF: 422961.4/53



Right In: 455.466+/-1115.970 χ^2/NDF: 26.6/24

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

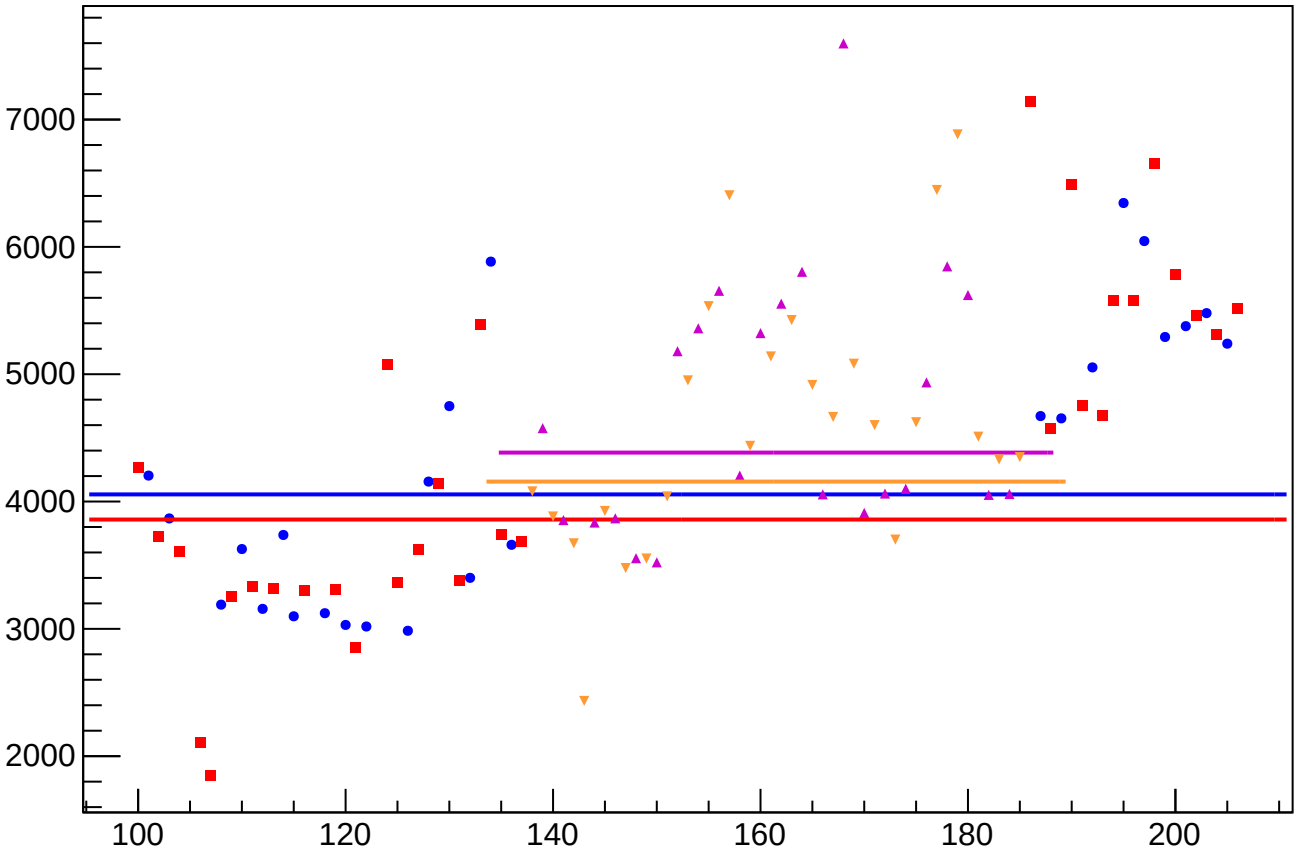
Right Out: -1556.741+/-1002.016 χ^2/NDF: 33.1/30

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 125.641+/-735.194 χ^2/NDF: 55.3/49

All: -389.242+/-515.647 χ^2/NDF: 104.1/103

- sign -887.765+/-723.420 χ^2/NDF: 47.8/53



Right In: 4056.015+/-0.789 χ^2/NDF: 1613781.3/24

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

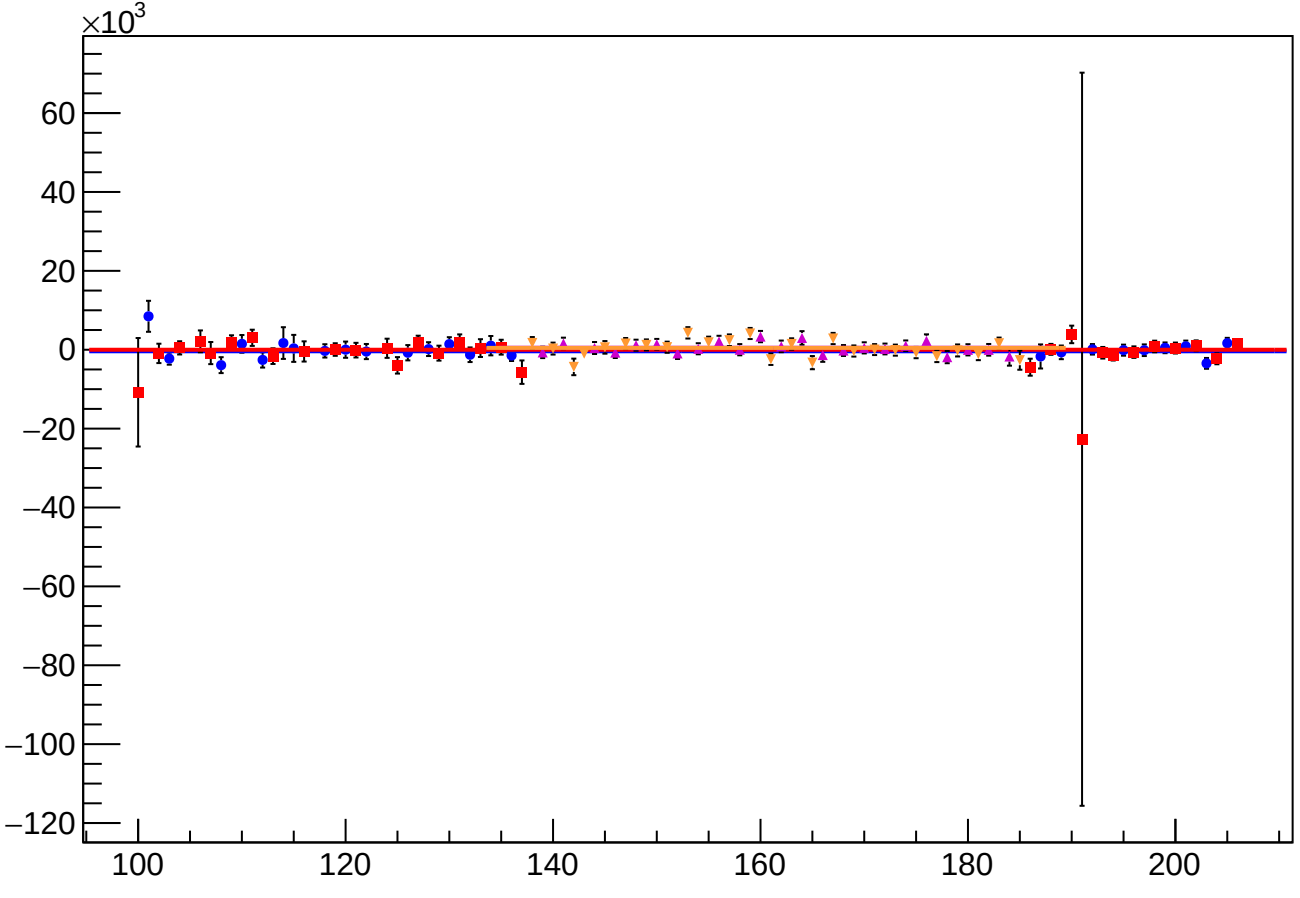
Right Out: 3858.672+/-0.709 χ^2/NDF: 3057818.8/30

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4112.935+/-0.520 χ^2/NDF: 3703740.2/49

All: 4111.615+/-0.365 χ^2/NDF: 8280554.0/10

- sign 4110.336+/-0.512 χ^2/NDF: 4576801.2/53



Right In: -393.185+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -5.002+/-326.544 χ^2/NDF: 29.0/30

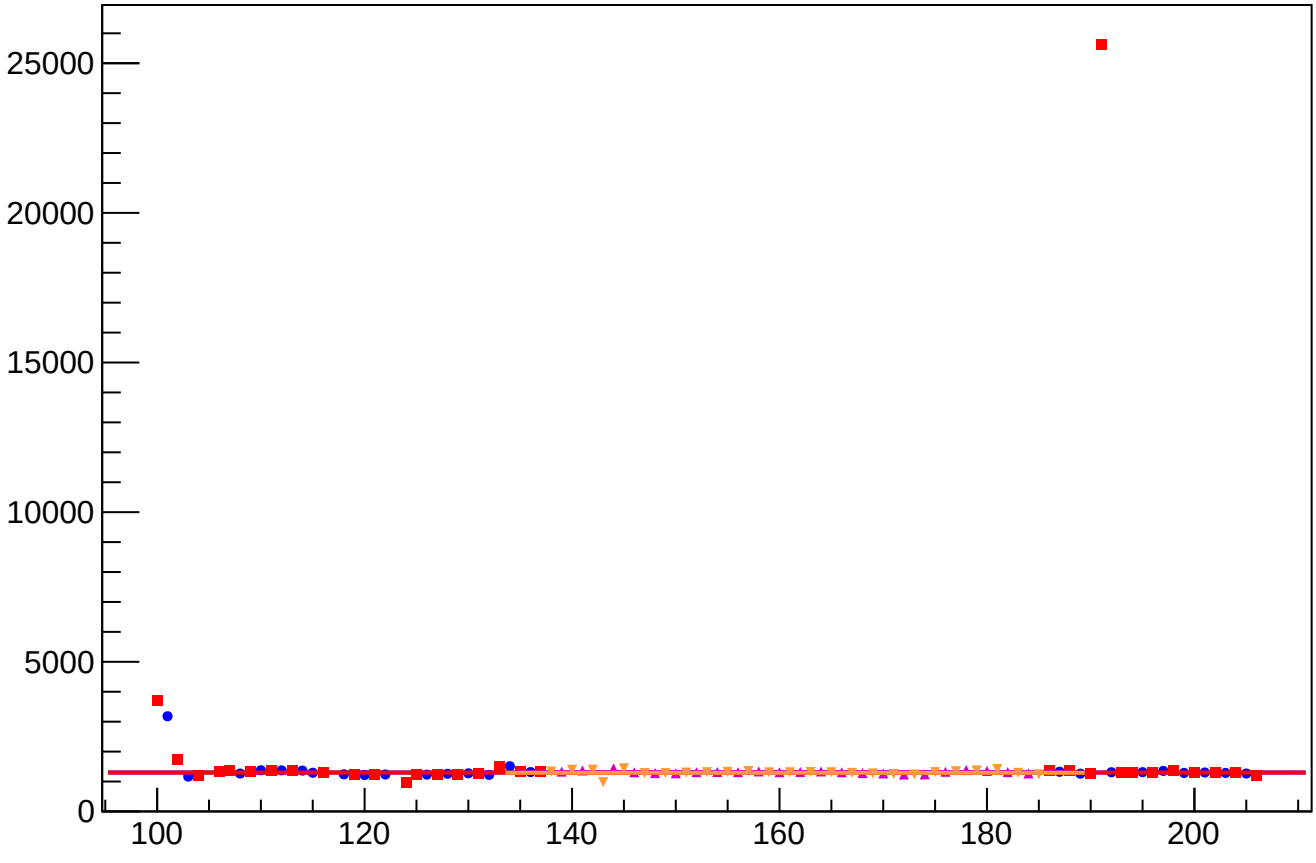
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 111.492+/-225.270 χ^2/NDF: 70.8/49

All: 188.737+/-158.730 χ^2/NDF: 118.7/103

- sign 264.905+/-223.694 χ^2/NDF: 47.7/53

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 1301.840+/-0.248 χ^2/NDF: 516315.1/24

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

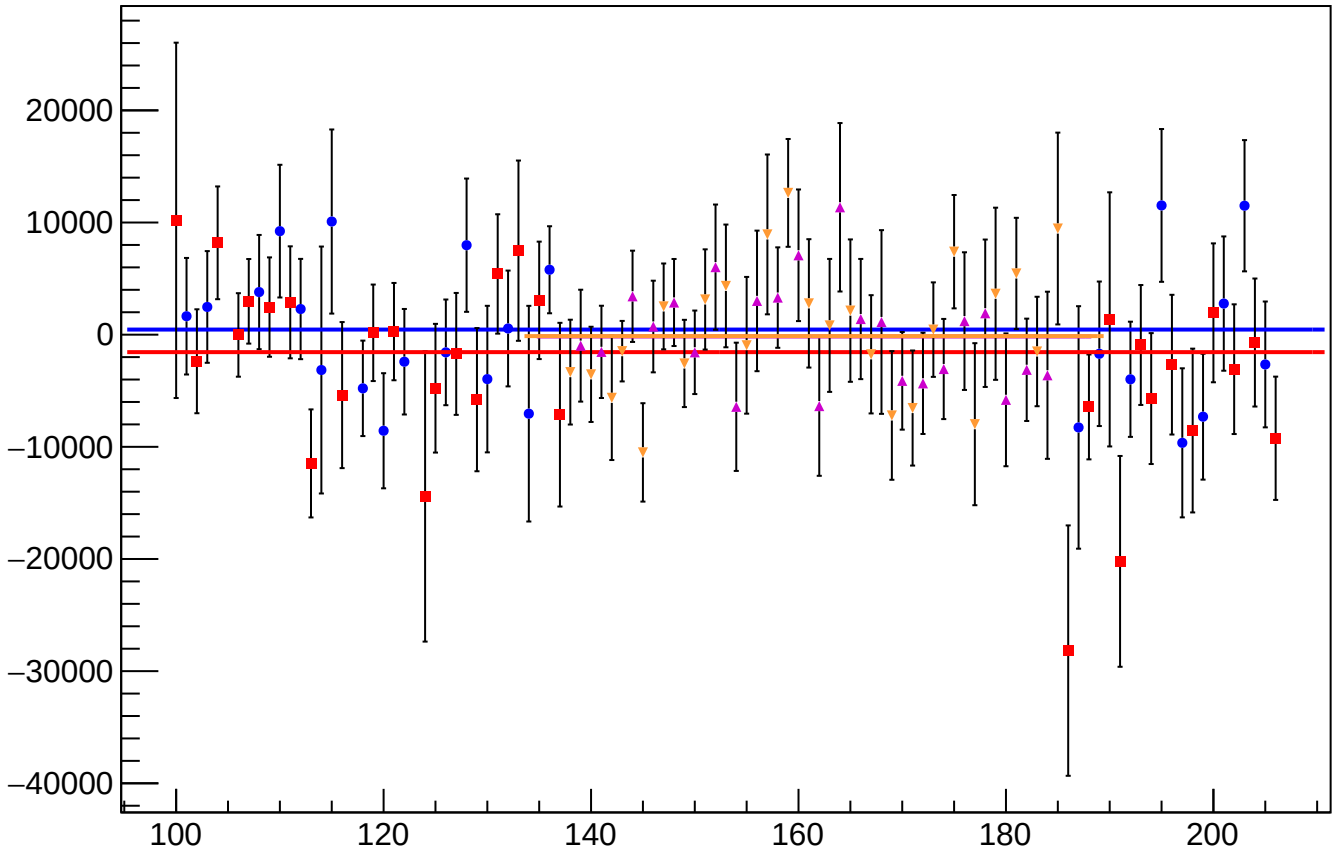
Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.1/30

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1295.611+/-0.159 χ^2/NDF: 748132.7/49

All: 1301.569+/-0.112 χ^2/NDF: 1173875.1/10

- sign 1307.443+/-0.158 χ^2/NDF: 422964.0/53



Right In: 455.459+/-1115.969 χ^2/NDF: 26.6/24

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

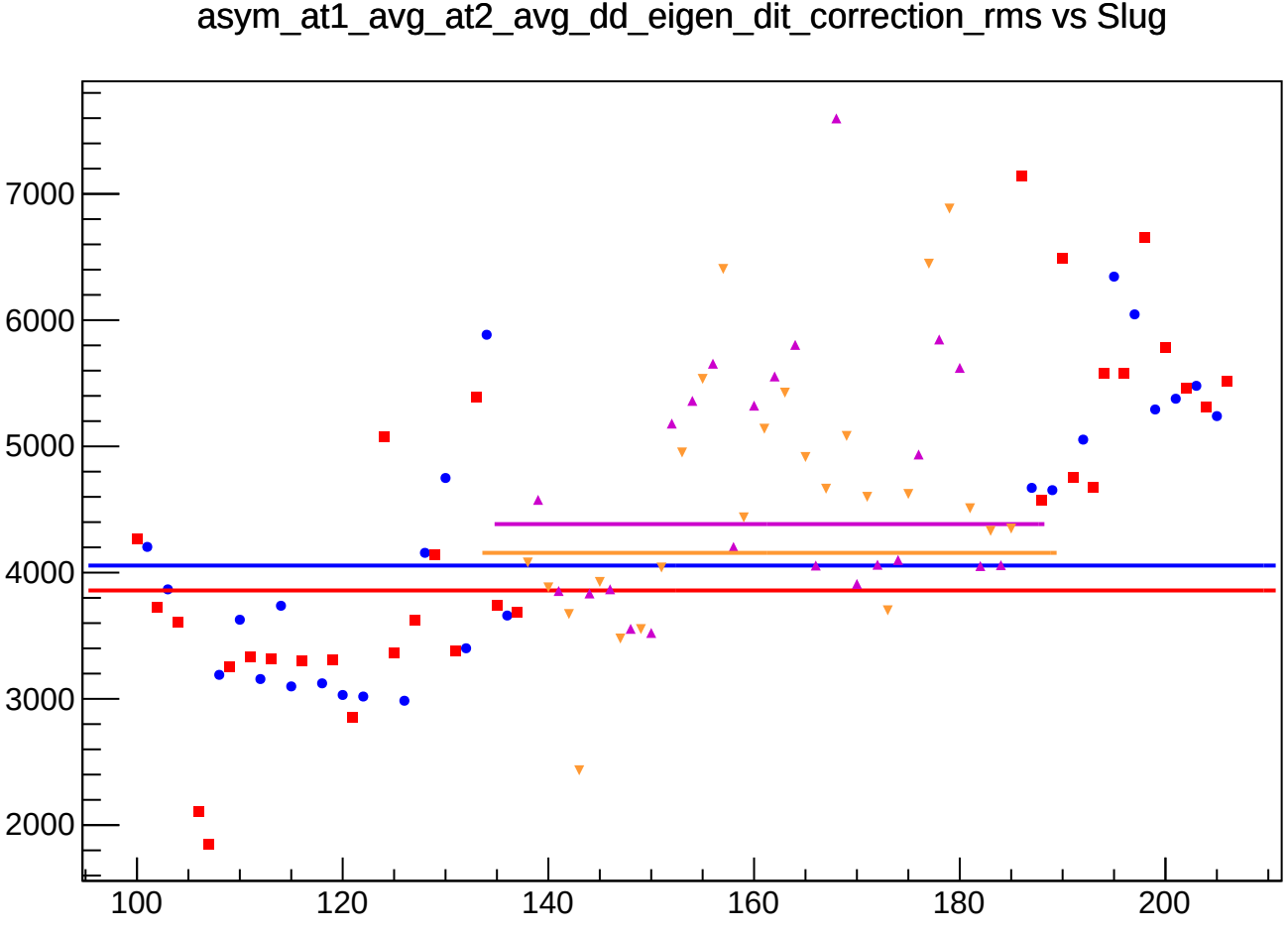
Right Out: -1556.733+/-1002.014 χ^2/NDF: 33.1/30

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 125.640+/-735.194 χ^2/NDF: 55.3/49

All: -389.242+/-515.647 χ^2/NDF: 104.1/103

- sign -887.763+/-723.420 χ^2/NDF: 47.8/53



Right In: 4056.008+/-0.789 χ^2/NDF: 1613807.7/24

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3858.666+/-0.709 χ^2/NDF: 3057847.1/30

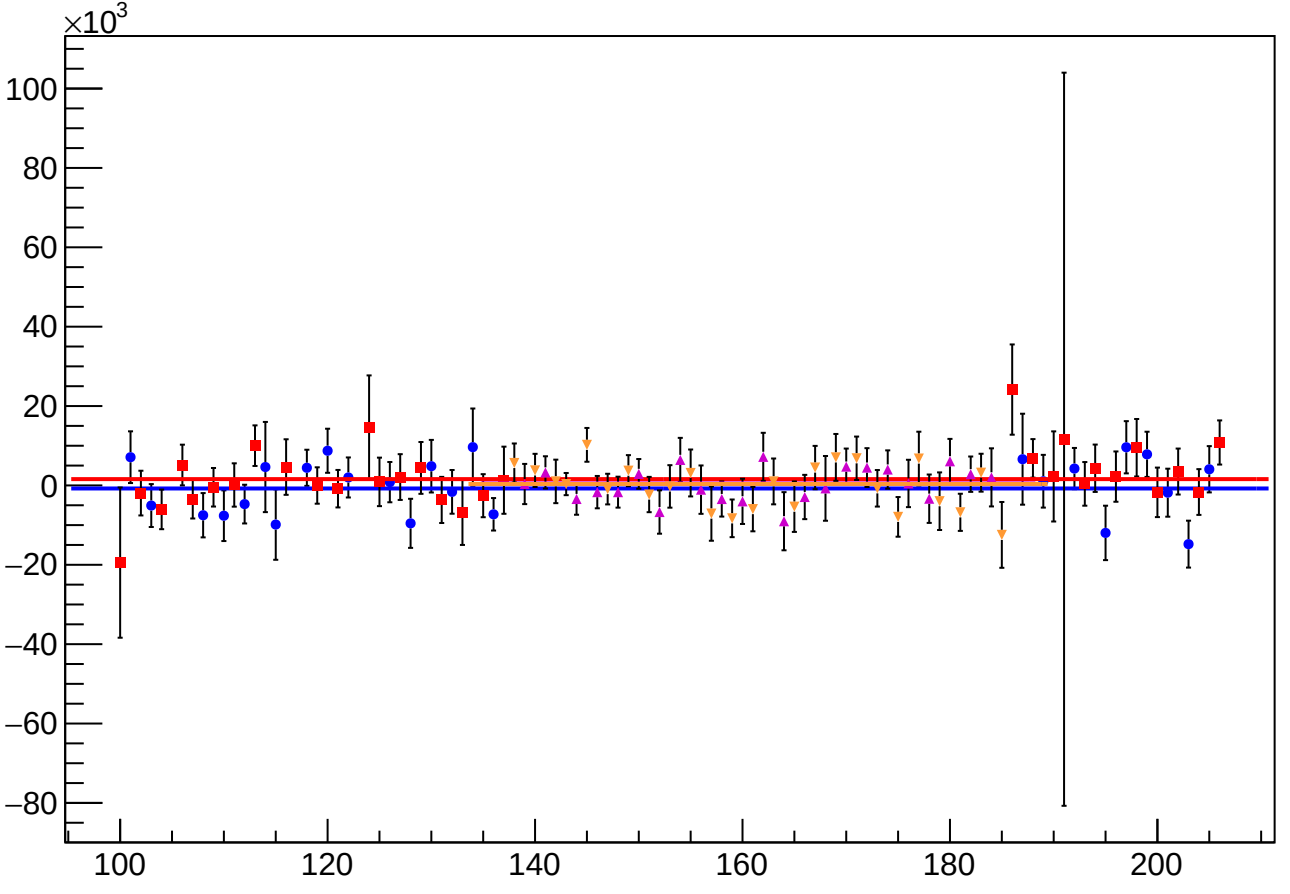
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4112.935+/-0.520 χ^2/NDF: 3703771.8/49

All: 4111.614+/-0.365 χ^2/NDF: 8280631.4/10

- sign 4110.336+/-0.512 χ^2/NDF: 4576846.9/53

asym_at1_avg_at2_avg_dd_mean vs Slug



Right In: -770.346+/-1181.948 χ^2/NDF: 32.9/24

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1590.008+/-1090.282 χ^2/NDF: 22.8/30

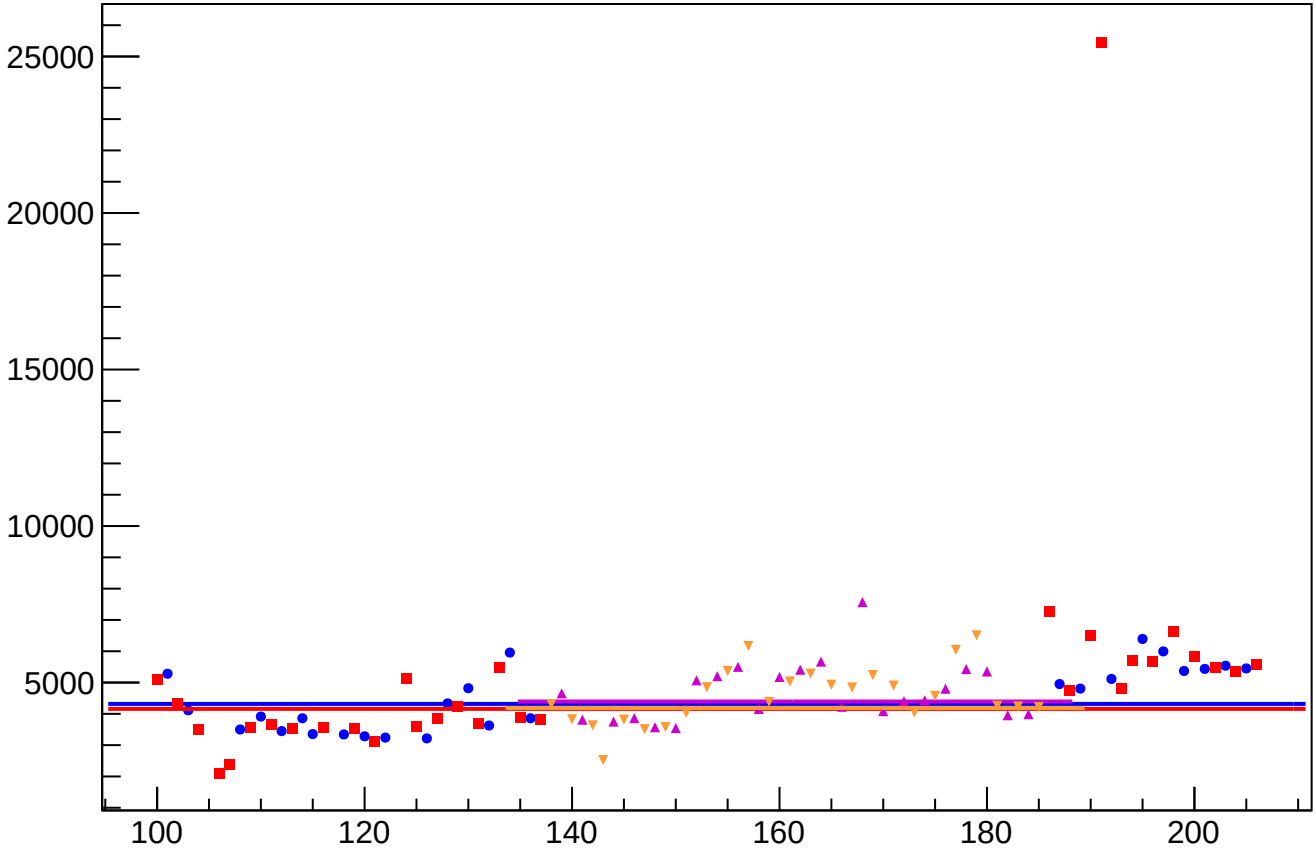
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -98.924+/-754.347 χ^2/NDF: 61.1/49

All: 460.787+/-533.393 χ^2/NDF: 99.4/103

- sign 1020.455+/-754.317 χ^2/NDF: 37.2/53

asym_at1_avg_at2_avg_dd_rms vs Slug



Right In: 4317.758+/-0.836 χ^2/NDF: 1333620.2/24

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

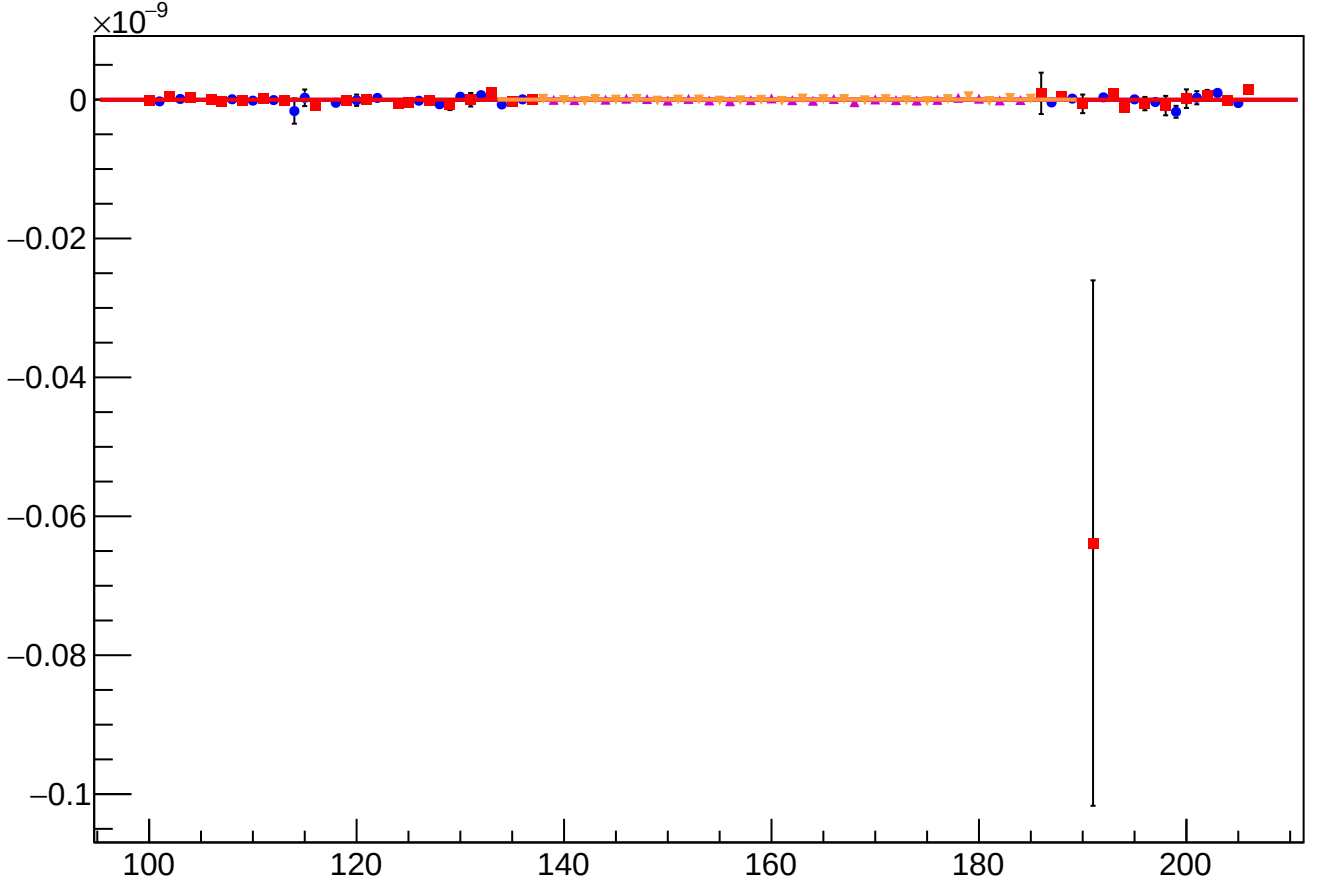
Right Out: 4158.534+/-0.764 χ^2/NDF: 2452358.5/30

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4240.765+/-0.533 χ^2/NDF: 3144285.8/49

All: 4260.660+/-0.376 χ^2/NDF: 6737043.2/10

- sign 4280.379+/-0.531 χ^2/NDF: 3589987.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

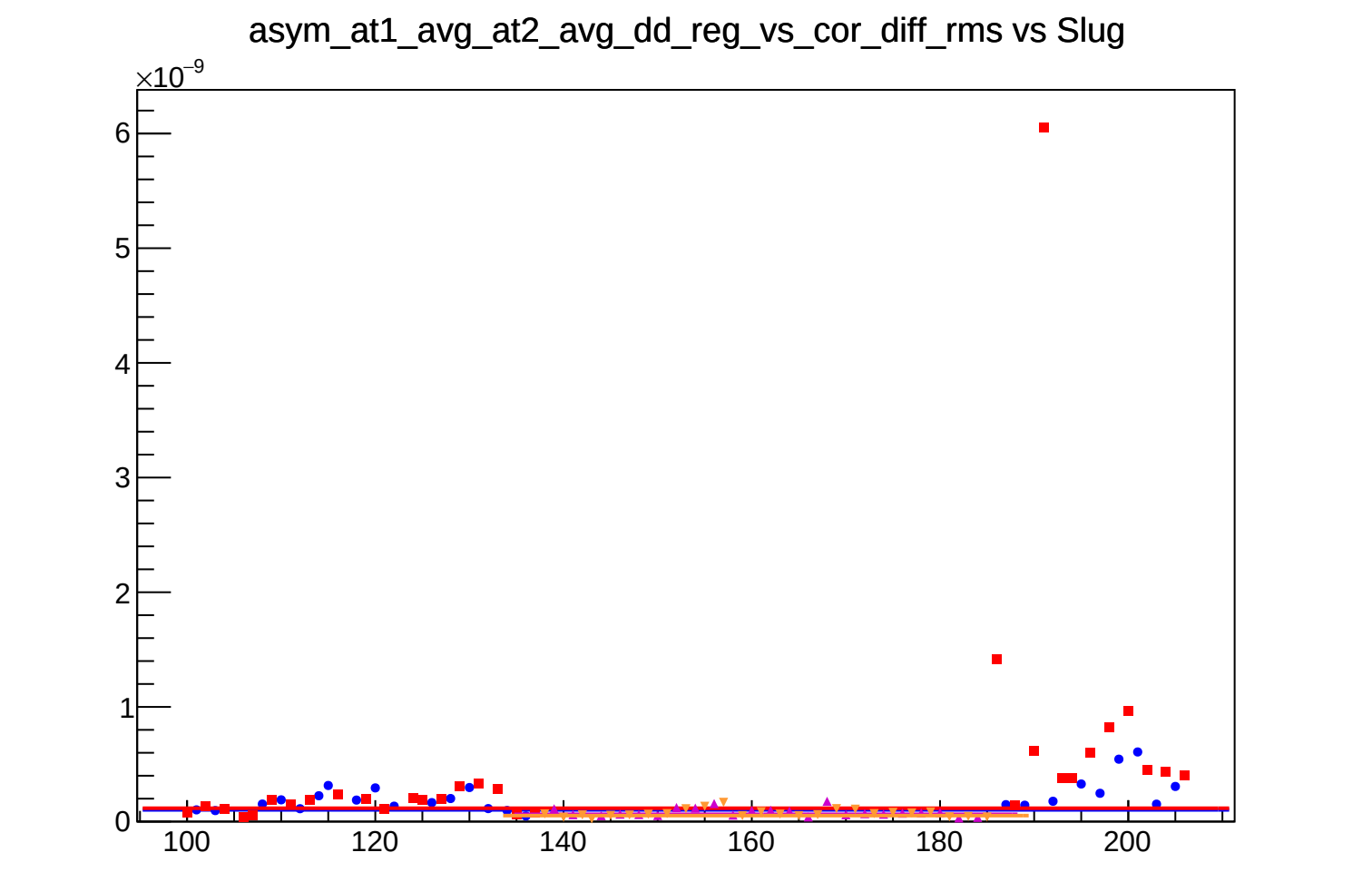
Right Out: -0.000+/-0.000 χ^2/NDF: 33.0/30

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/49

All: -0.000+/-0.000 χ^2/NDF: 109.4/103

- sign -0.000+/-0.000 χ^2/NDF: 50.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 3407071.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

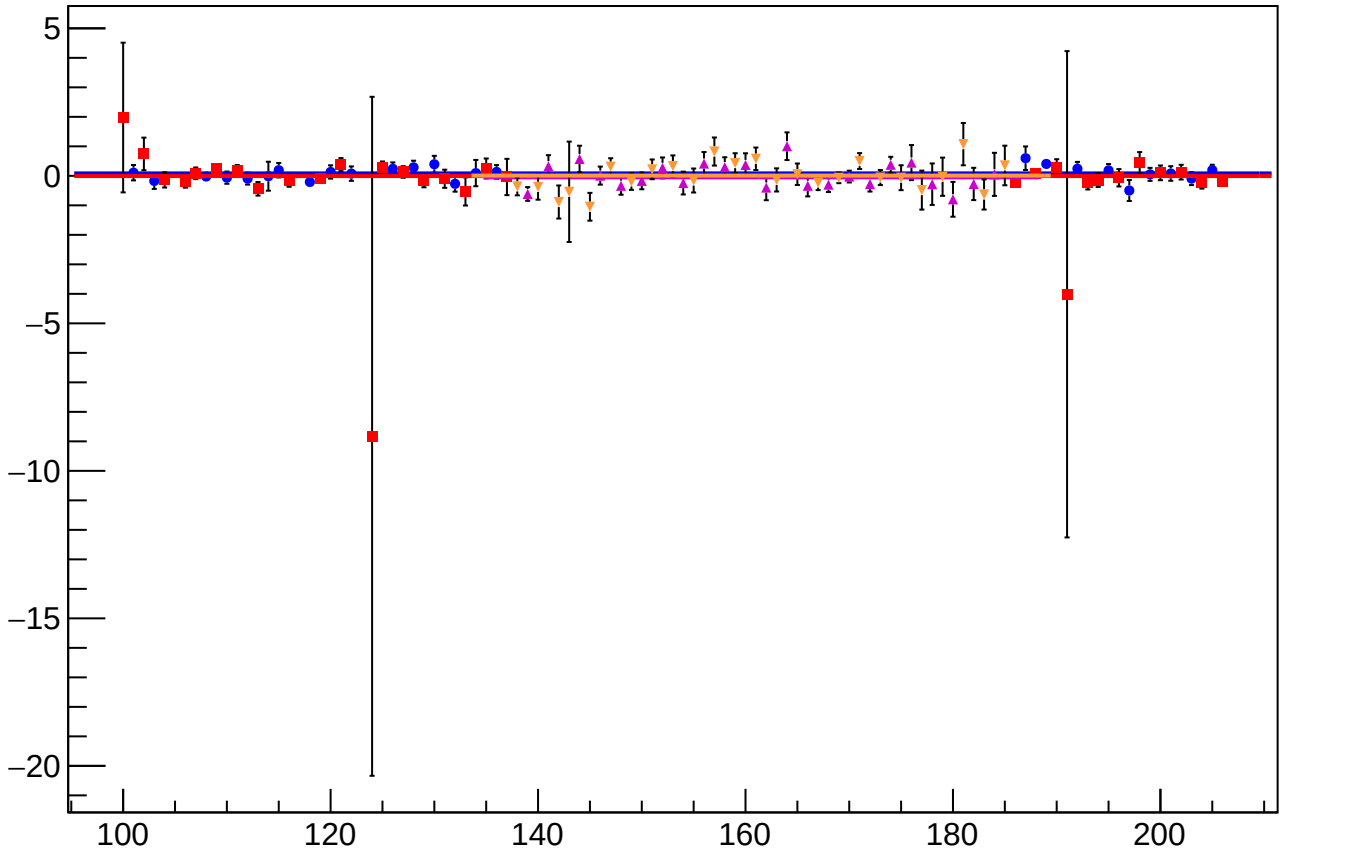
Right Out: 0.000+/-0.000 χ^2/NDF: 6378887.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7413879.7/49

All: 0.000+/-0.000 χ^2/NDF: 17177429.1/103

- sign 0.000+/-0.000 χ^2/NDF: 9458054.7/53



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

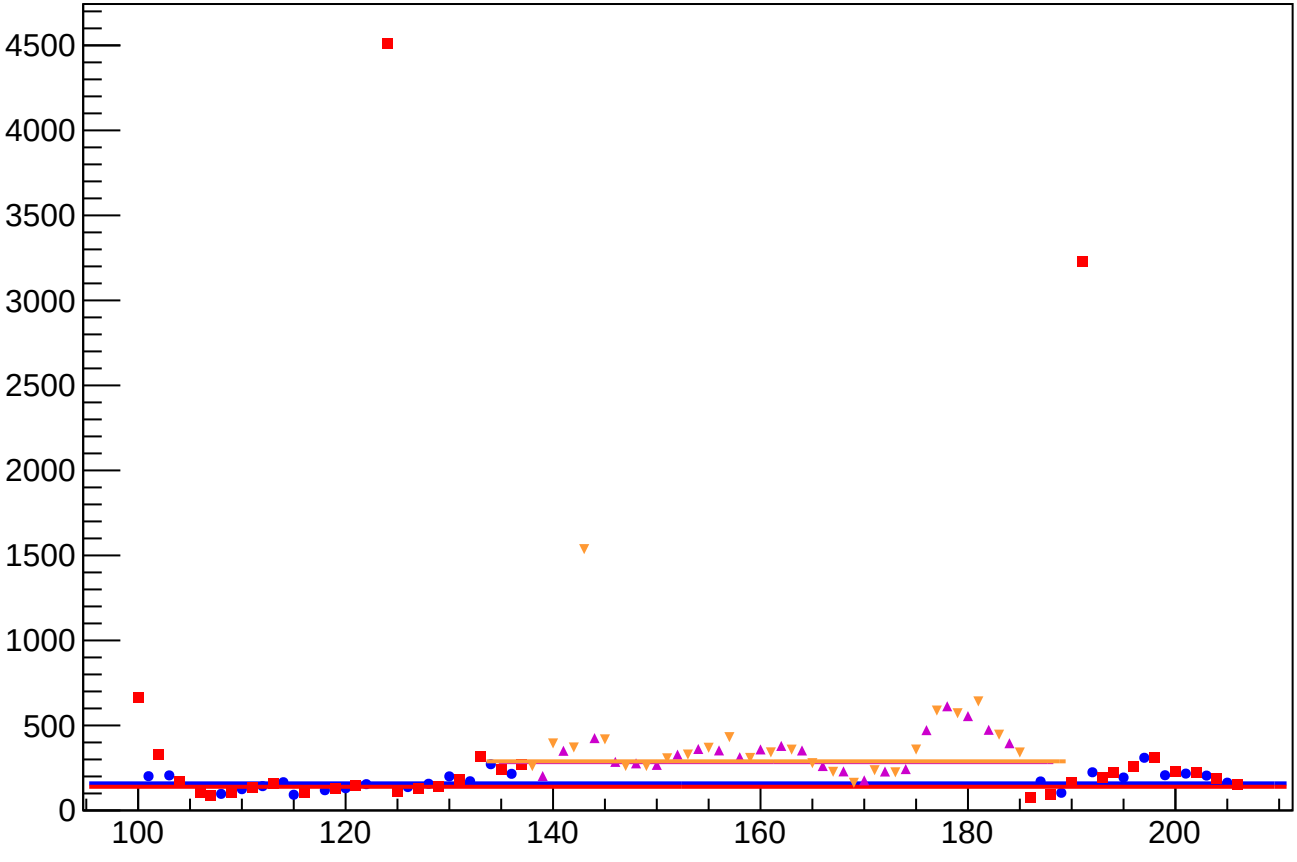
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.017+/-0.025 χ^2/NDF: 113.0/103

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs Slug



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

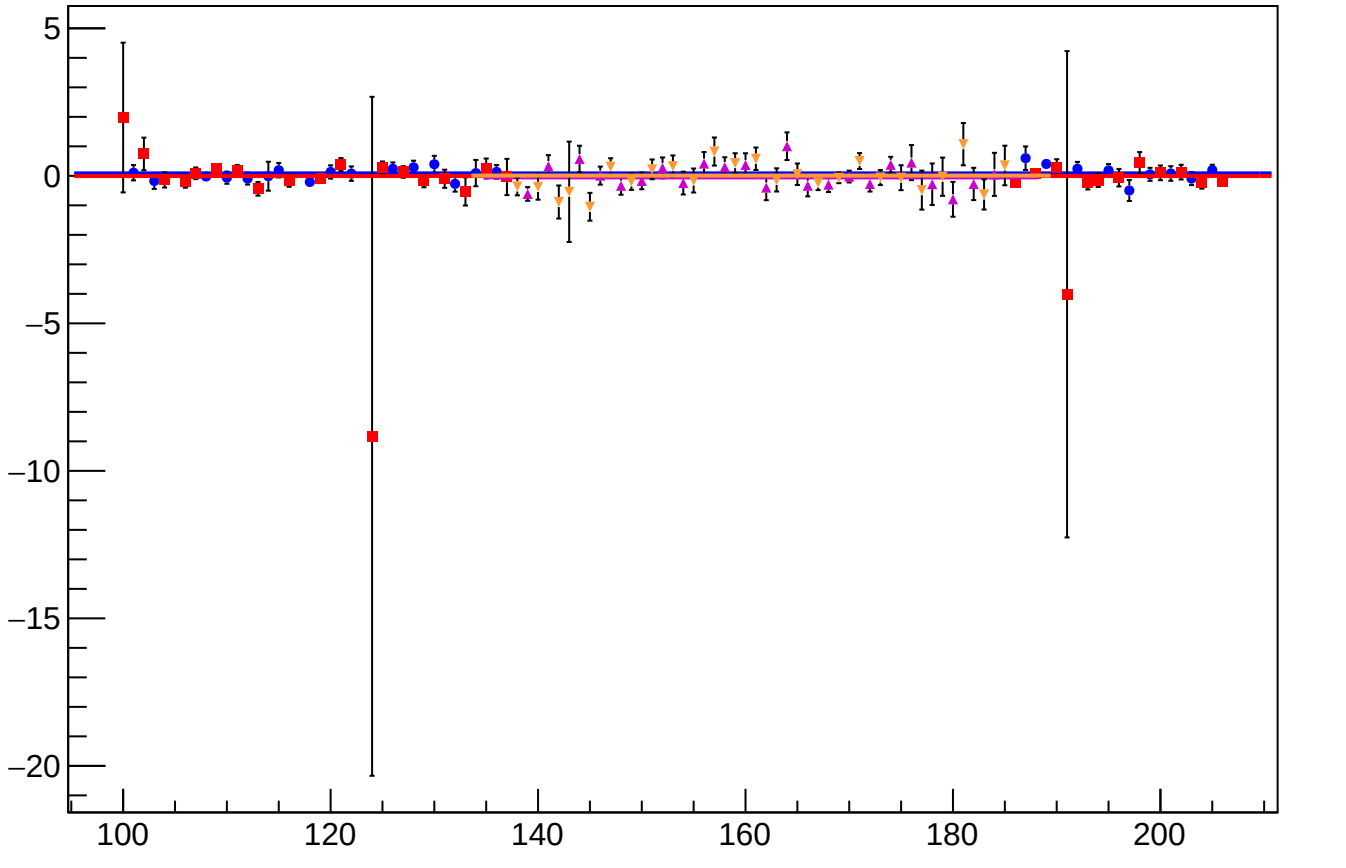
Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.931+/-0.027 χ^2/NDF: 11589845.3/49

All: 183.519+/-0.018 χ^2/NDF: 26285586.4/10

- sign 172.947+/-0.024 χ^2/NDF: 14255780.1/53



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

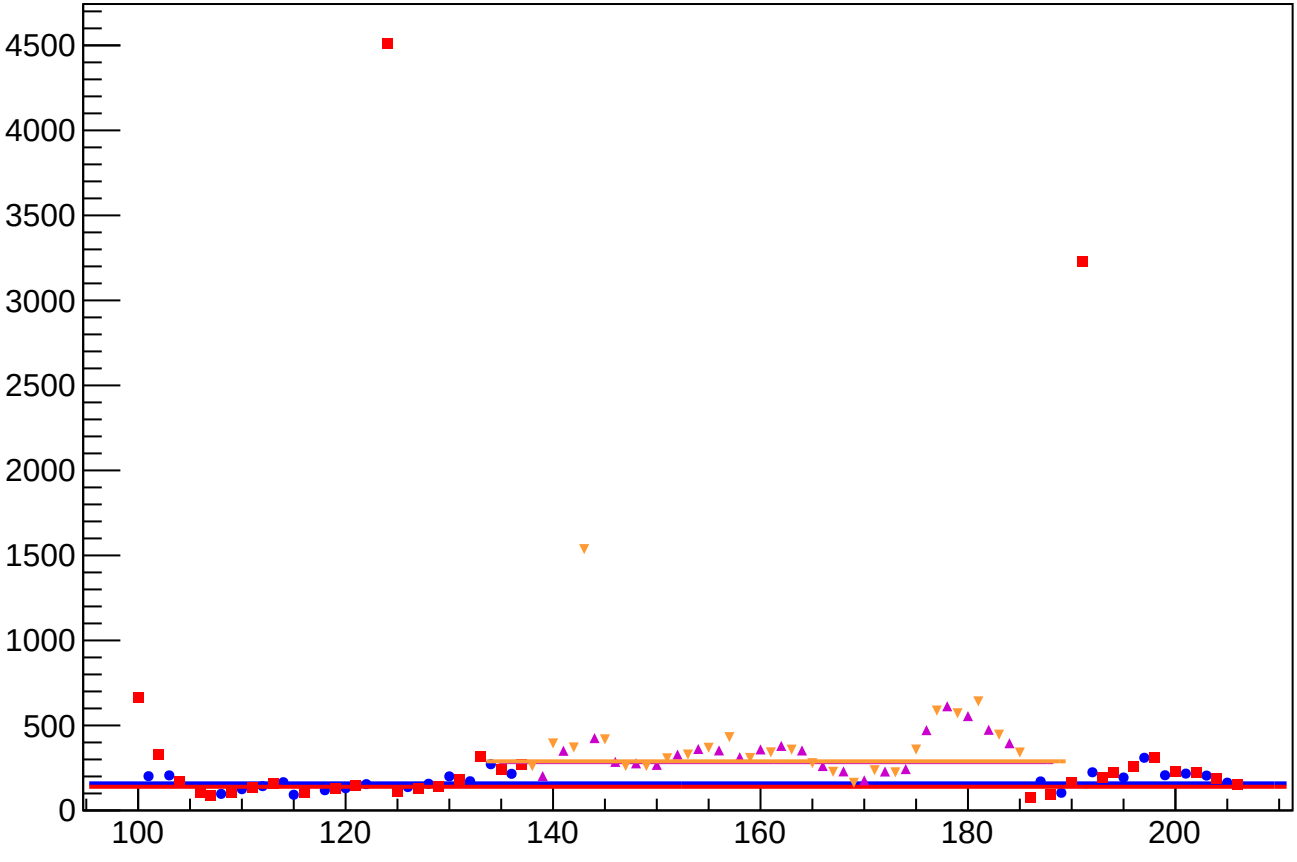
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.017+/-0.025 χ^2/NDF: 113.0/103

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

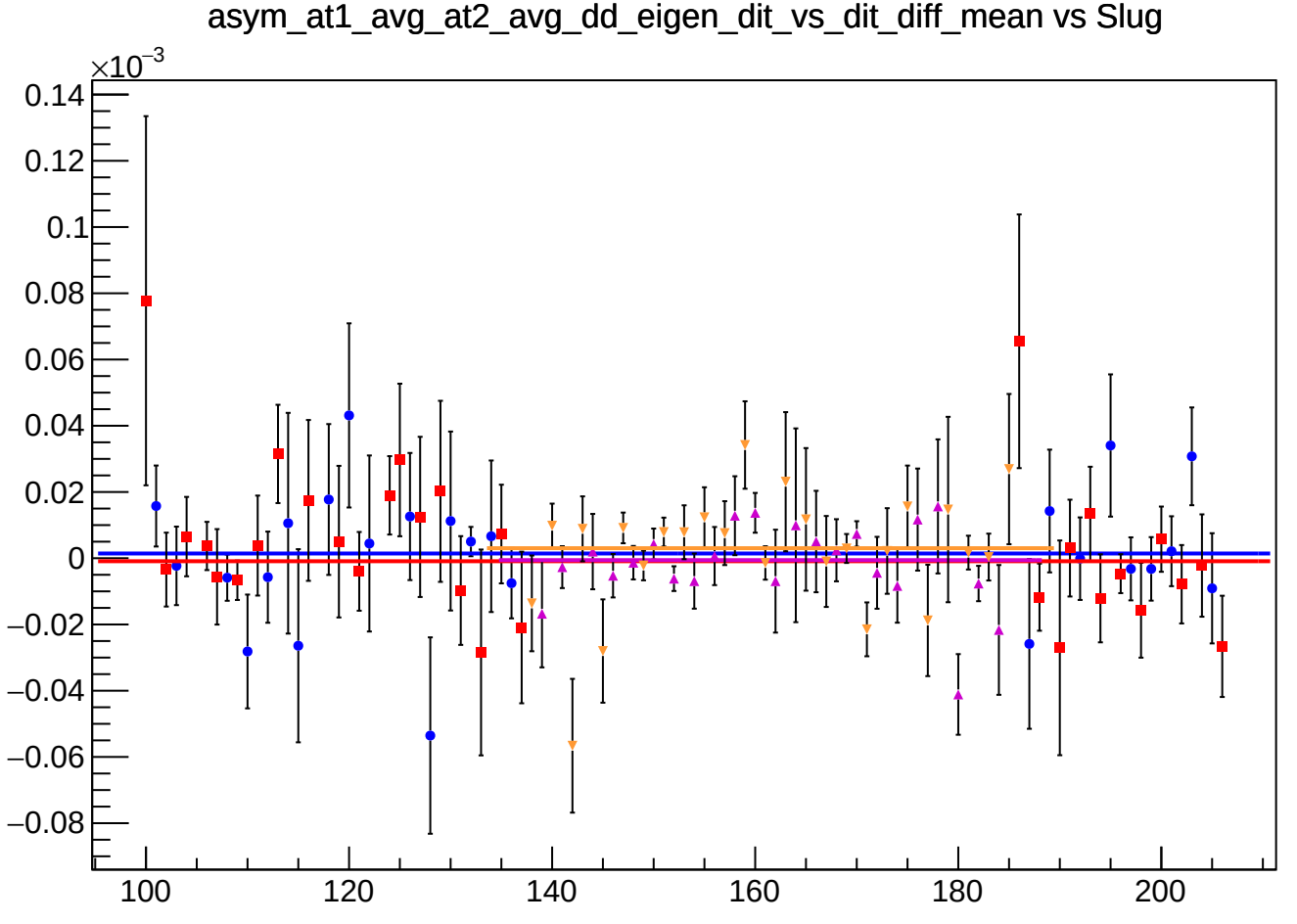
Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.931+/-0.027 χ^2/NDF: 11589845.3/49

All: 183.519+/-0.018 χ^2/NDF: 26285586.4/10

- sign 172.947+/-0.024 χ^2/NDF: 14255780.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

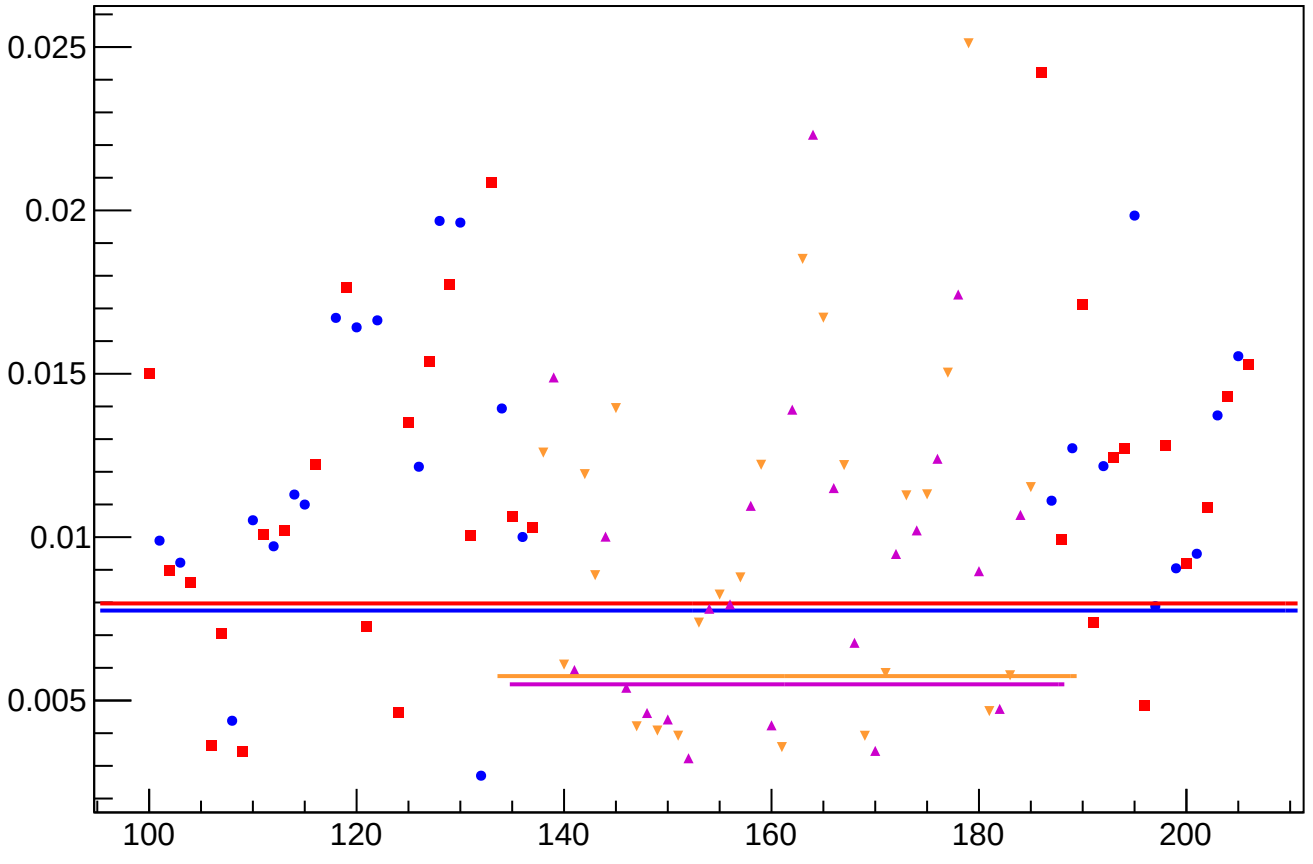
Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/30

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.2/49

All: 0.000+/-0.000 χ^2/NDF: 131.5/103

- sign -0.000+/-0.000 χ^2/NDF: 62.0/53



Right In: 0.008+/-0.000 χ^2/NDF: 7003675.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

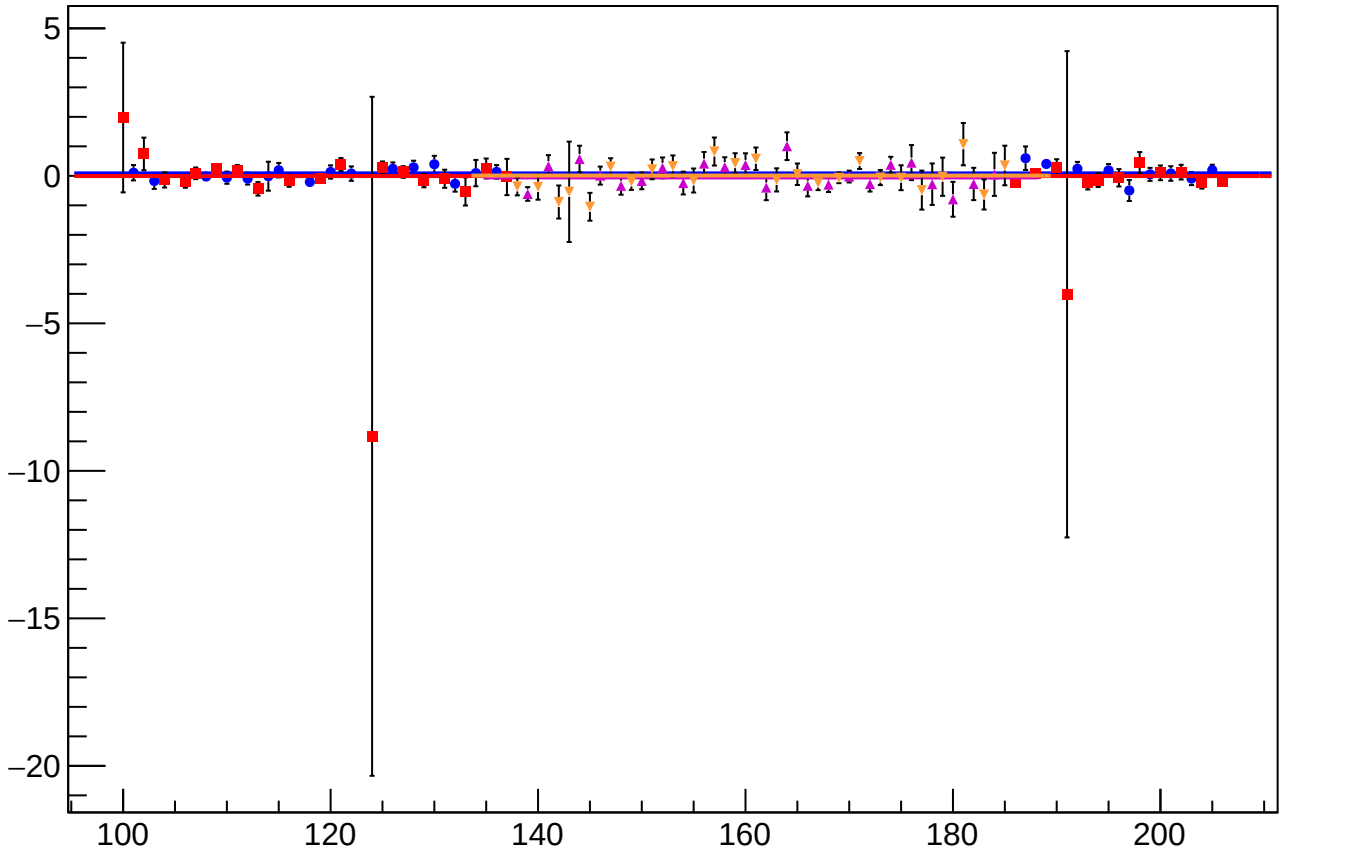
Right Out: 0.008+/-0.000 χ^2/NDF: 6422510.5/30

Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

\+ sign 0.006+/-0.000 χ^2/NDF: 16109152.1/49

All: 0.006+/-0.000 χ^2/NDF: 31129032.0/103

\- sign 0.006+/-0.000 χ^2/NDF: 15018604.9/53



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

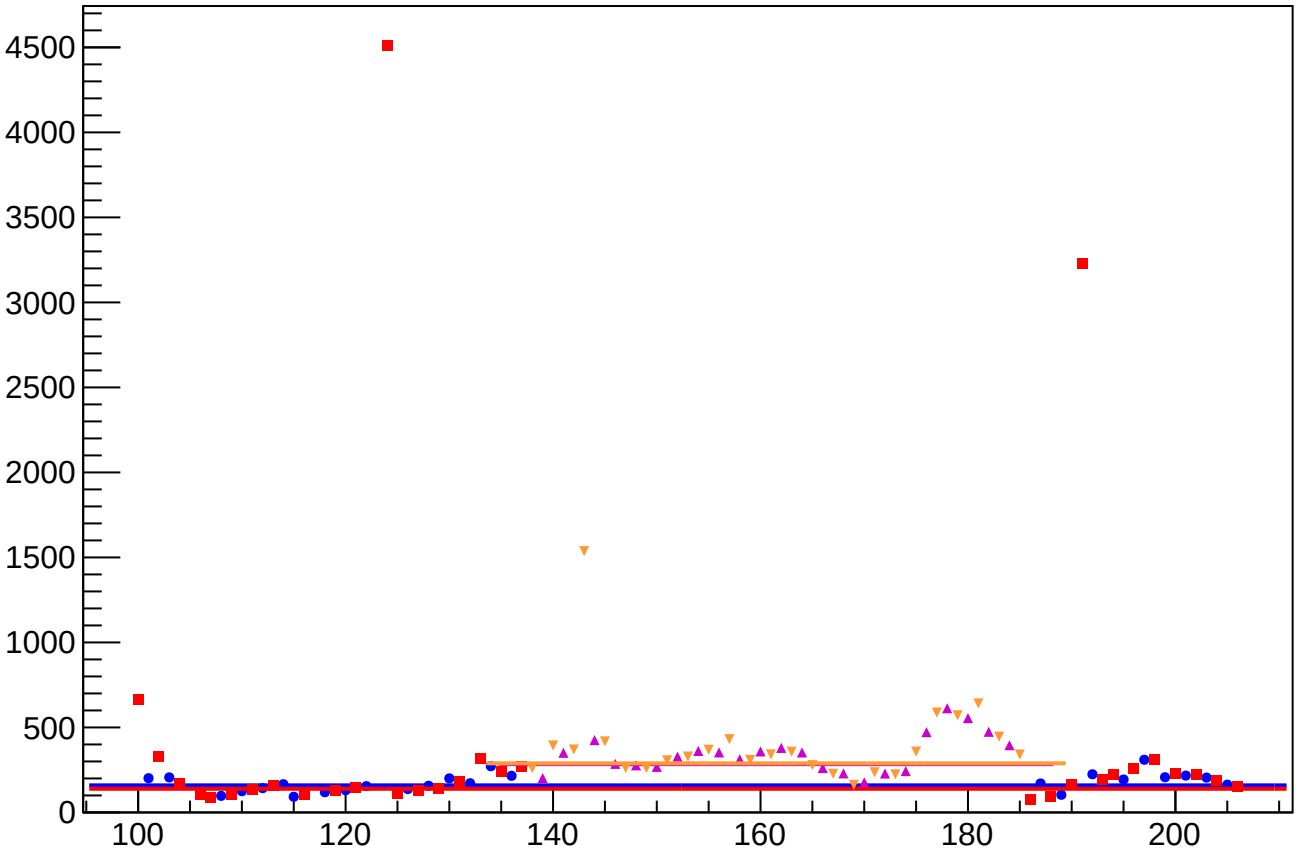
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.017+/-0.025 χ^2/NDF: 113.0/103

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

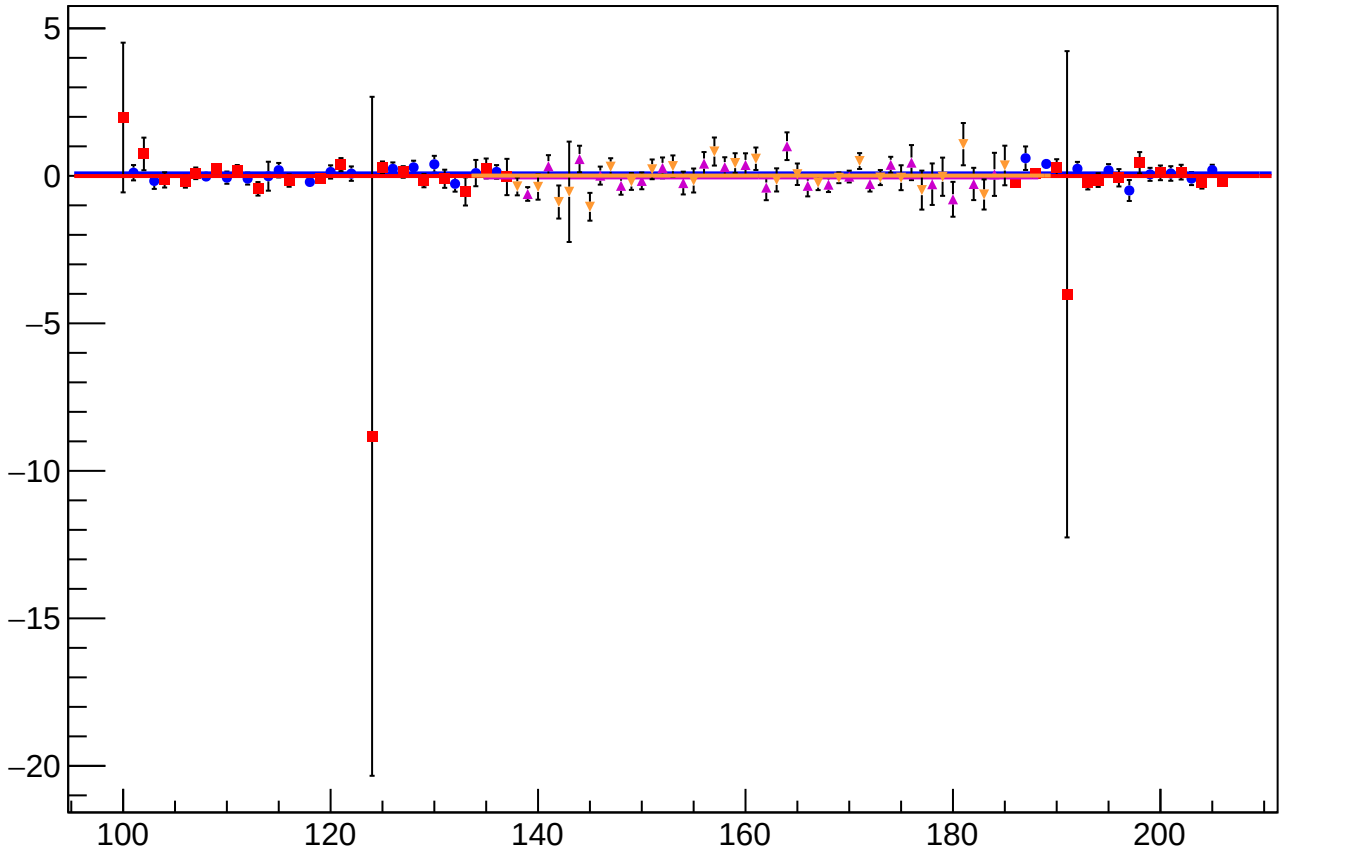
Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.930+/-0.027 χ^2/NDF: 11590069.0/49

All: 183.520+/-0.018 χ^2/NDF: 26285510.5/10

- sign 172.949+/-0.024 χ^2/NDF: 14255580.6/53



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

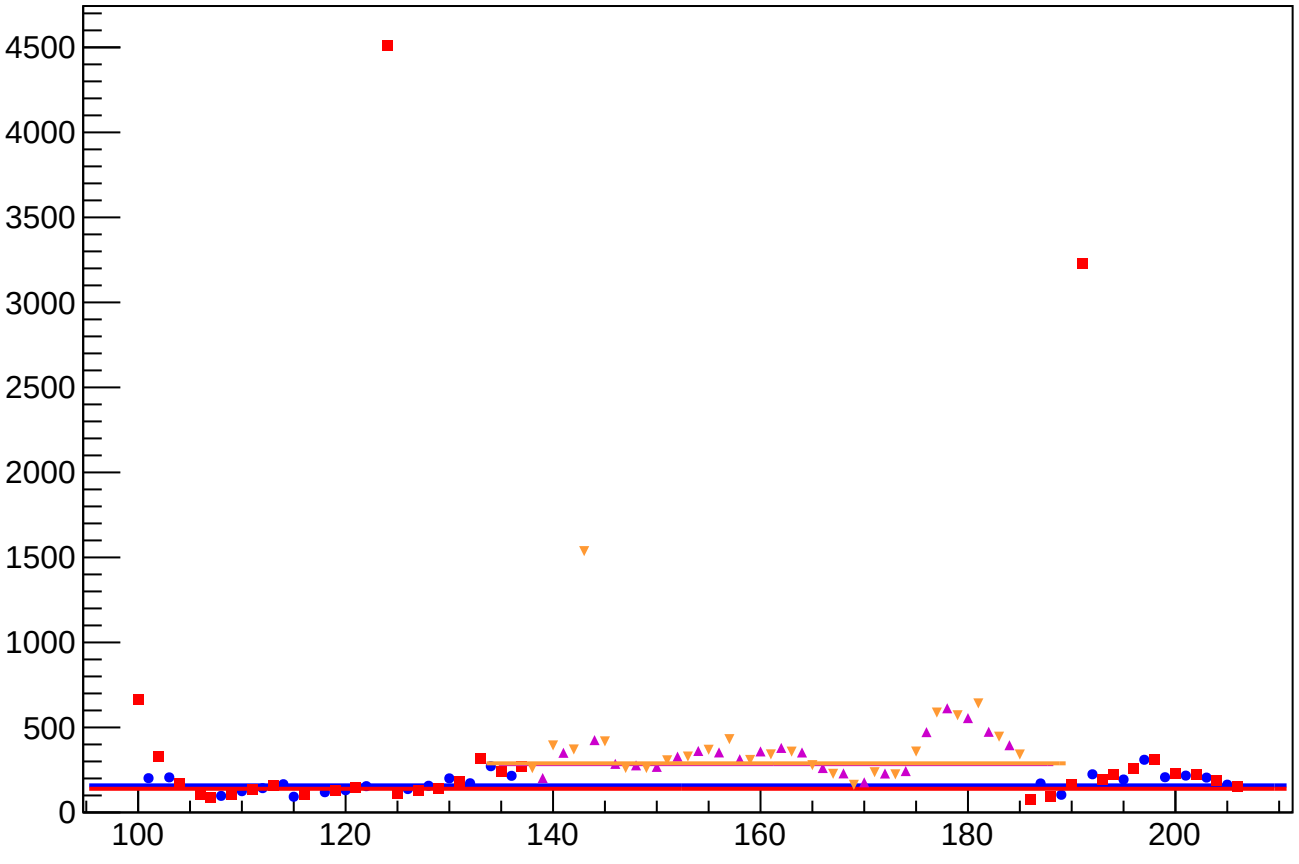
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.017+/-0.025 χ^2/NDF: 113.0/103

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

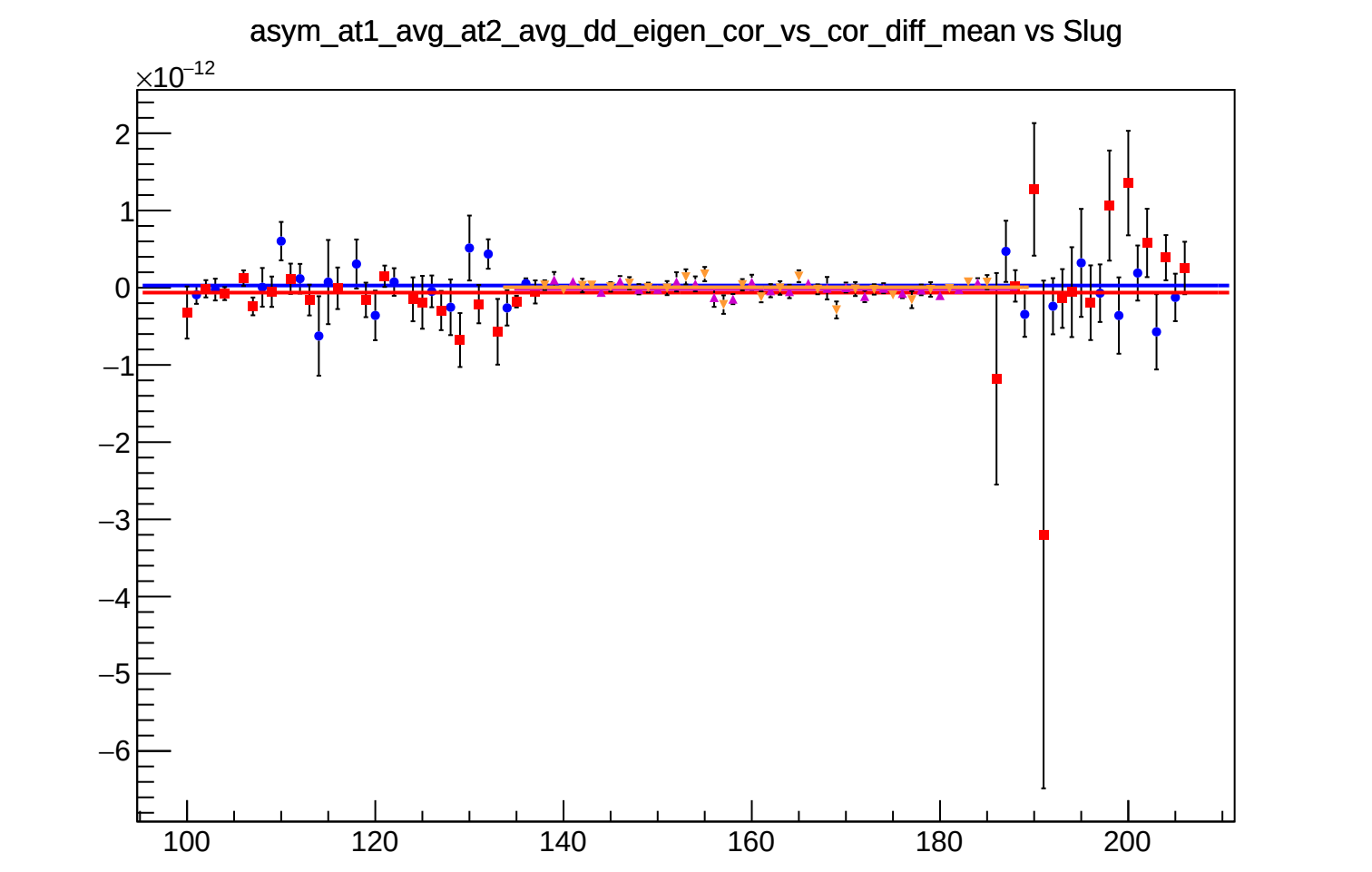
Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.930+/-0.027 χ^2/NDF: 11590069.0/49

All: 183.520+/-0.018 χ^2/NDF: 26285510.5/10

- sign 172.949+/-0.024 χ^2/NDF: 14255580.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

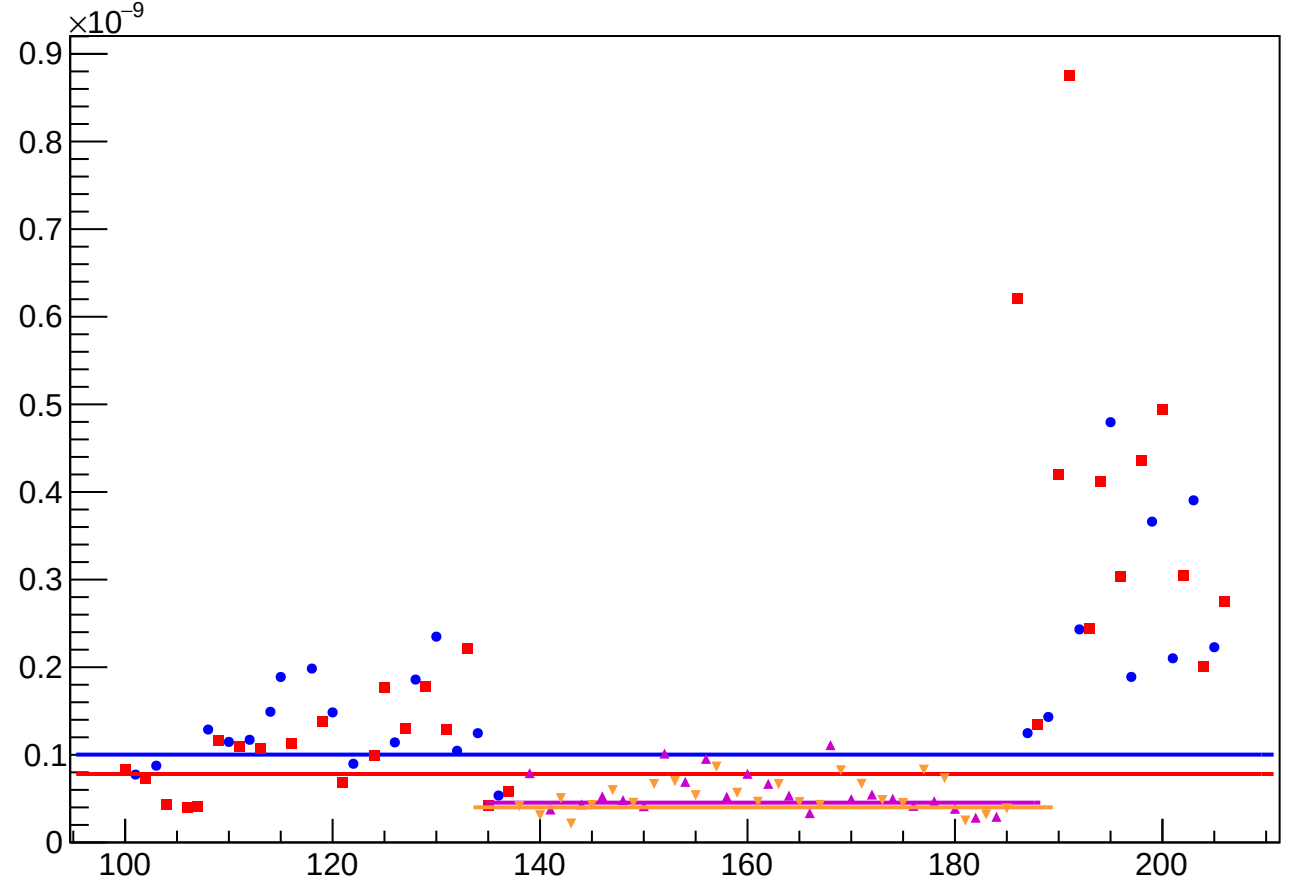
Right Out: -0.000+/-0.000 χ^2/NDF: 35.2/30

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.8/49

All: -0.000+/-0.000 χ^2/NDF: 123.0/103

- sign -0.000+/-0.000 χ^2/NDF: 60.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 4634871.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7622623.9/30

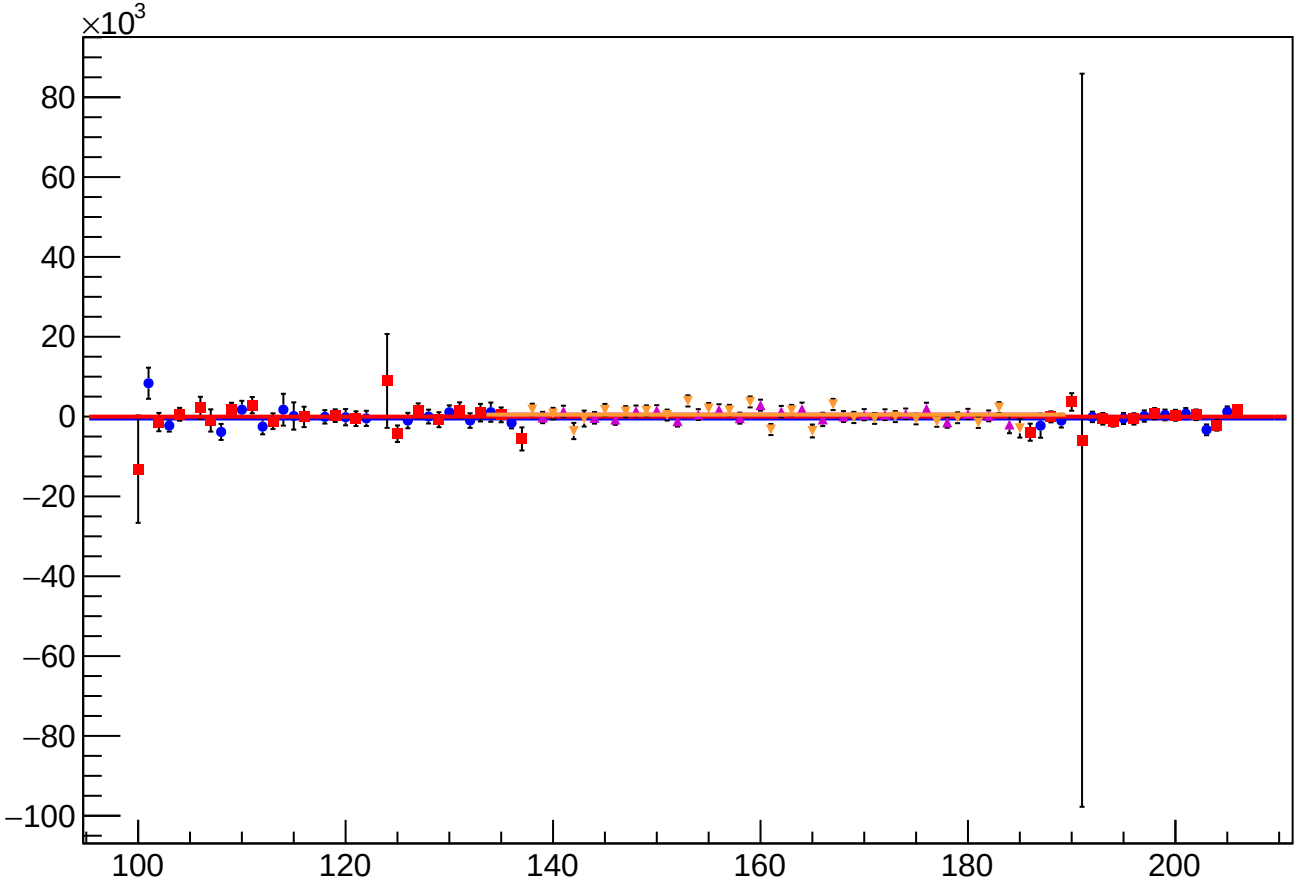
Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12283706.2/49

All: 0.000+/-0.000 χ^2/NDF: 24546487.9/103

- sign 0.000+/-0.000 χ^2/NDF: 12090467.6/53

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -477.378+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.062+/-288.495 χ^2/NDF:46.9/24

Right Out: -18.212+/-323.963 χ^2/NDF: 28.0/30

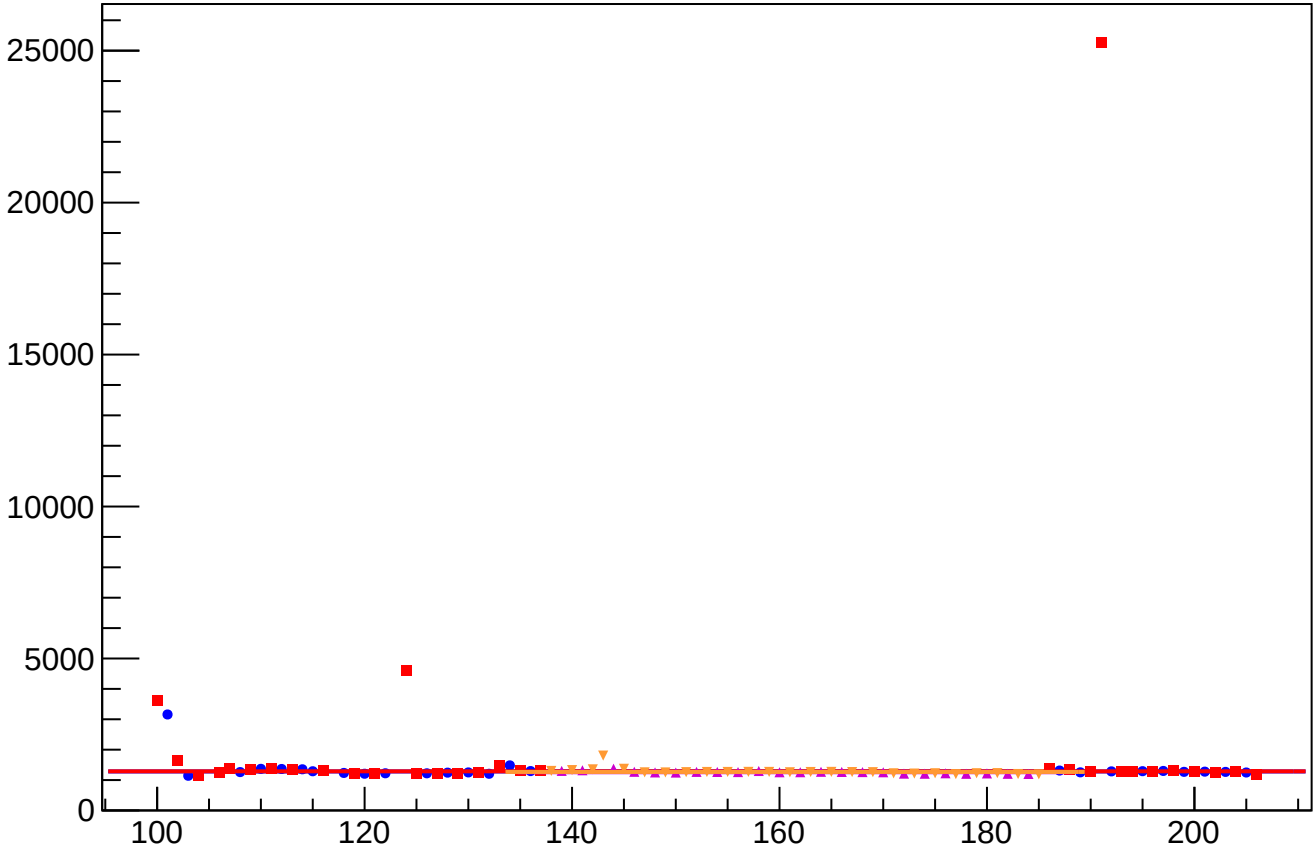
Left In: 486.821+/-293.769 χ^2/NDF:14.4/22

+ sign 93.145+/-221.317 χ^2/NDF: 73.4/49

All: 177.435+/-155.171 χ^2/NDF: 117.5/103

- sign 258.932+/-217.620 χ^2/NDF: 43.8/53

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517899.3/24

Left Out: 1266.967+/-0.204 χ^2/NDF:187545.6/24

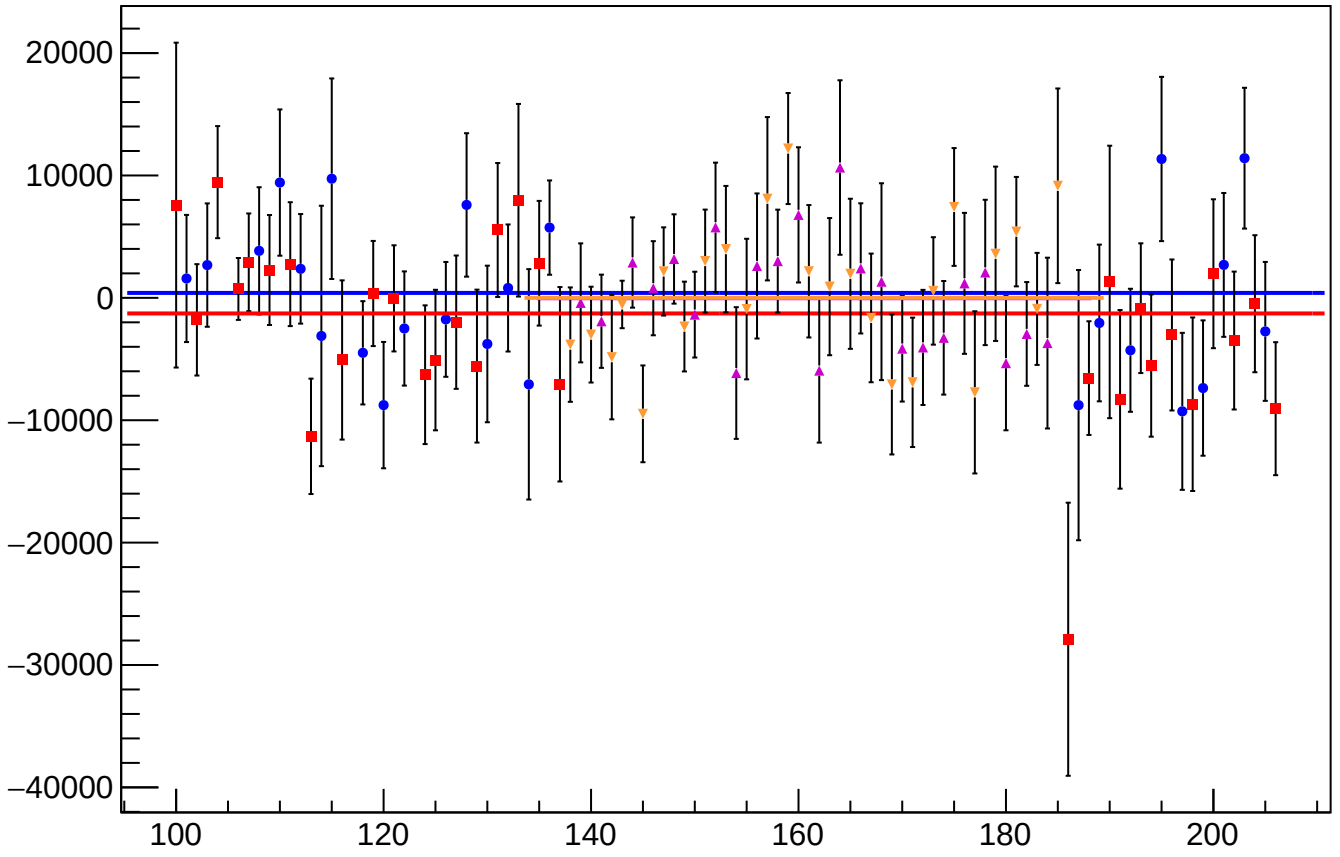
Right Out: 1287.807+/-0.229 χ^2/NDF: 482231.5/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.4/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707950.6/49

All: 1272.350+/-0.110 χ^2/NDF: 1236692.9/10

- sign 1271.221+/-0.154 χ^2/NDF: 528632.7/53



Right In: 403.406+/-1110.466 χ^2/NDF: 26.9/24

Left Out: -0.604+/-886.488 χ^2/NDF:29.1/24

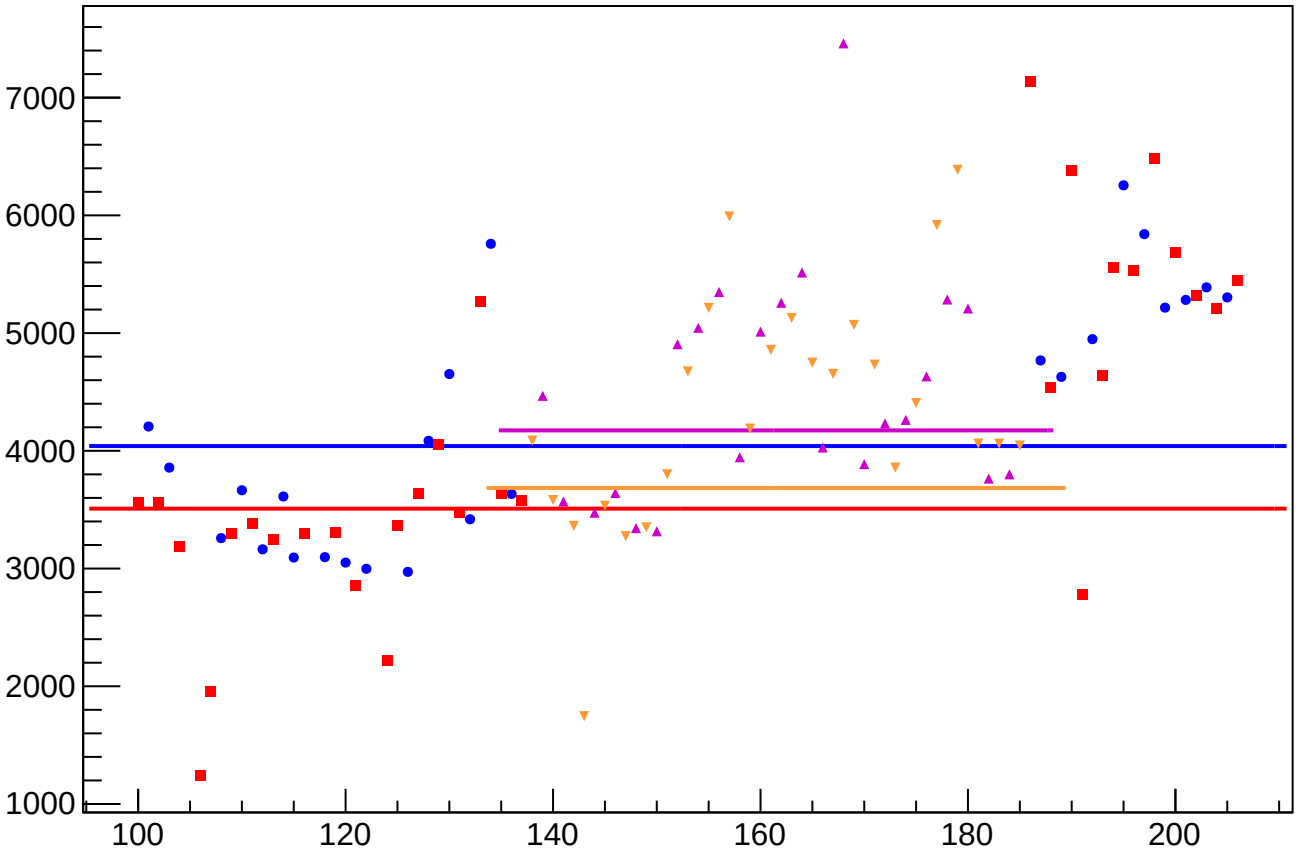
Right Out: -1274.218+/-941.994 χ^2/NDF: 32.1/30

Left In: -31.593+/-995.348 χ^2/NDF:14.0/22

+ sign 156.650+/-692.804 χ^2/NDF: 56.0/49

All: -270.513+/-486.807 χ^2/NDF: 103.7/103

- sign -687.101+/-684.175 χ^2/NDF: 46.9/53



Right In: 4040.423+/-0.785 χ^2/NDF: 1532120.6/24

Left Out: 3684.769+/-0.627 χ^2/NDF:3693646.6/24

Right Out: 3508.883+/-0.666 χ^2/NDF: 4479226.0/30

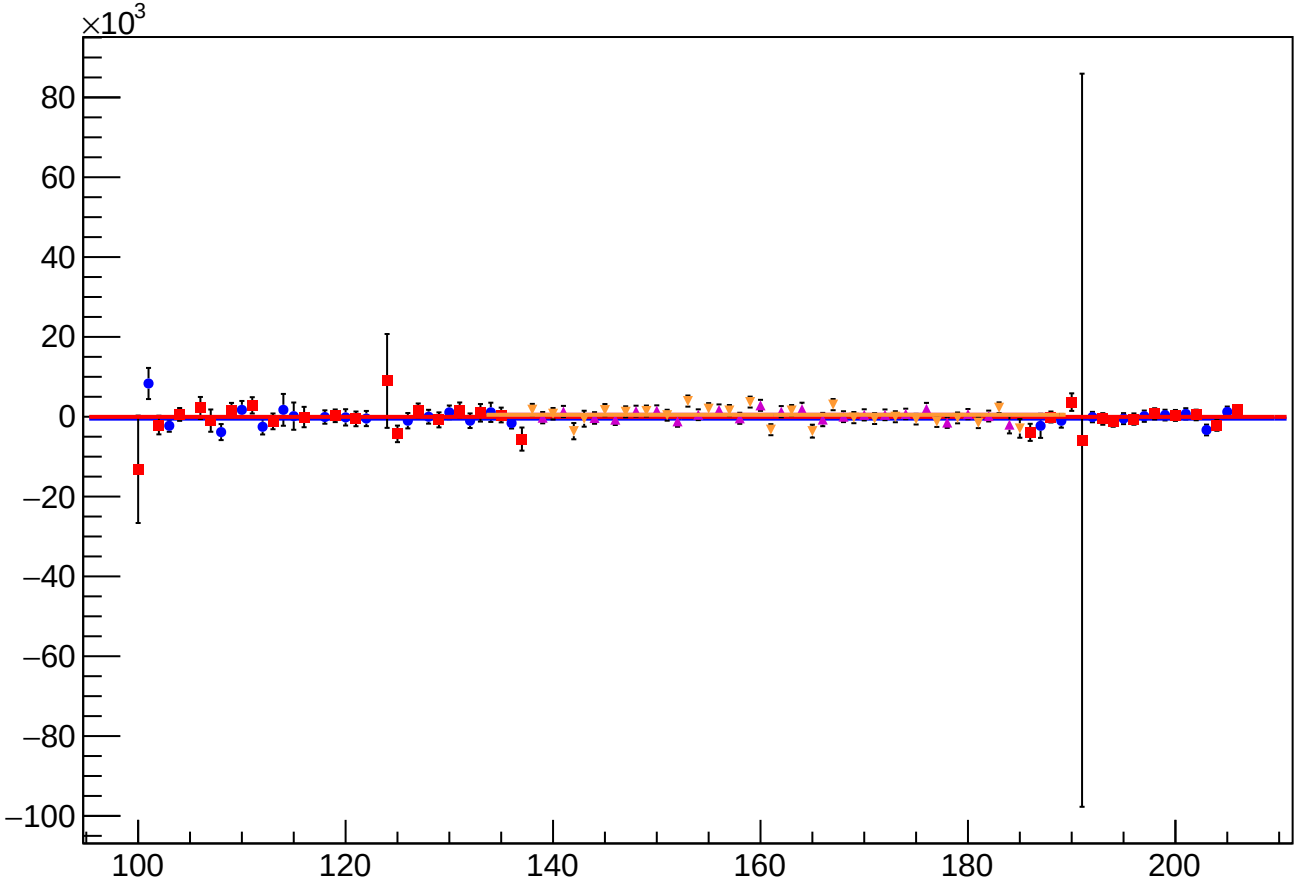
Left In: 4173.556+/-0.704 χ^2/NDF:1274968.4/22

+ sign 3823.201+/-0.490 χ^2/NDF: 5351067.3/49

All: 3823.063+/-0.344 χ^2/NDF: 11575734.8/1

- sign 3822.928+/-0.484 χ^2/NDF: 6224667.3/53

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

Right Out: -31.039+/-324.058 χ^2/NDF: 28.5/30

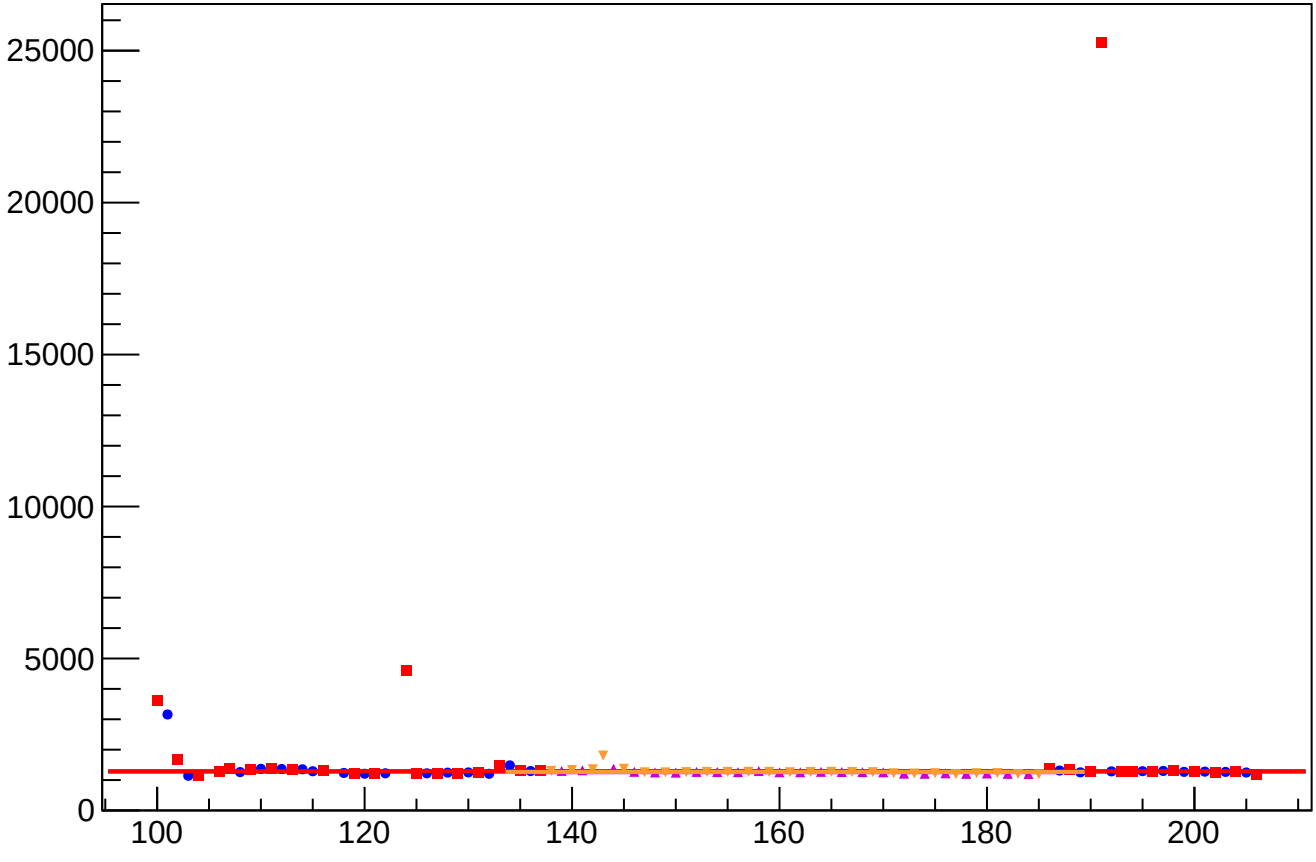
Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 93.095+/-221.317 χ^2/NDF: 73.4/49

All: 174.467+/-155.181 χ^2/NDF: 118.0/103

- sign 253.163+/-217.648 χ^2/NDF: 44.3/53

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

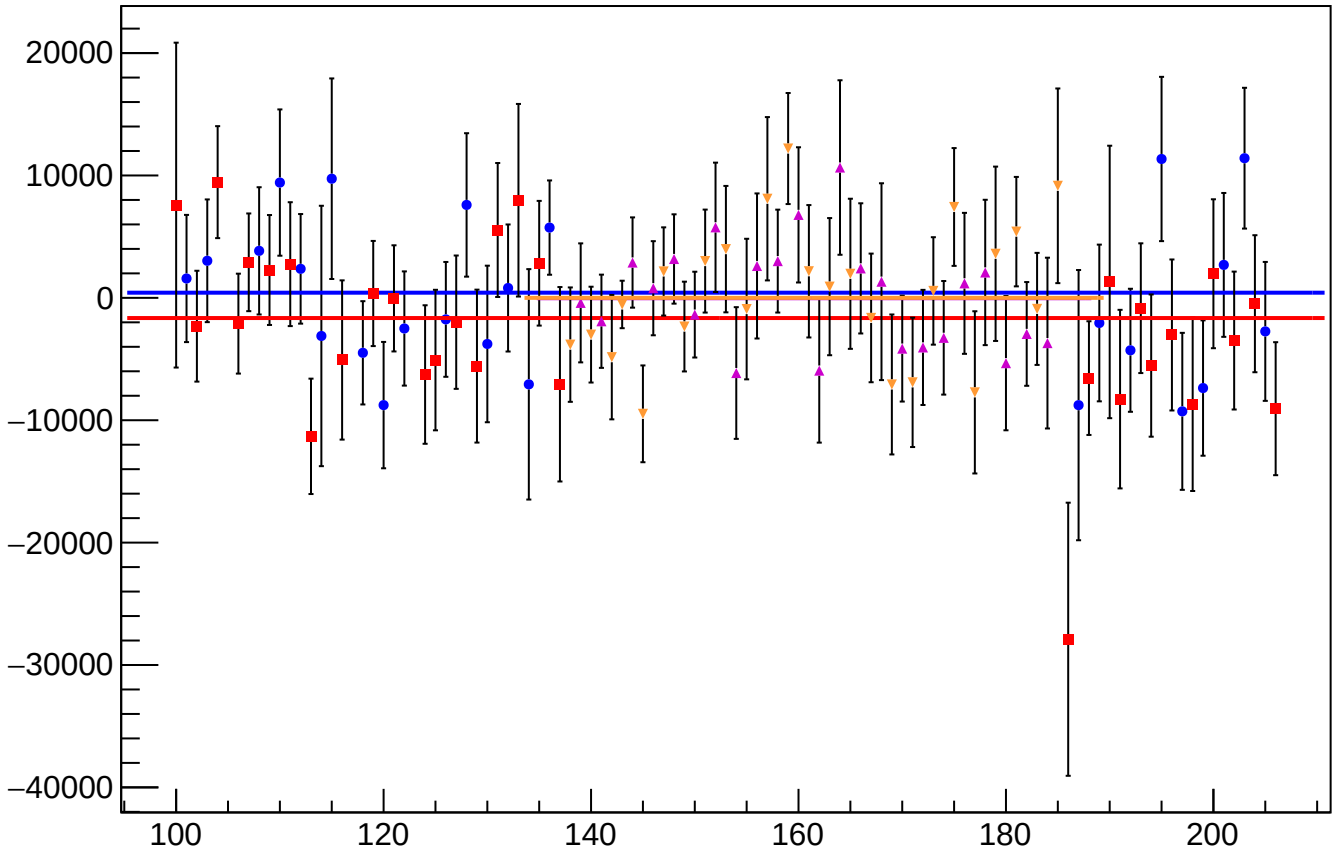
Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707952.0/49

All: 1272.548+/-0.110 χ^2/NDF: 1244141.1/10

- sign 1271.610+/-0.154 χ^2/NDF: 536113.4/53



Right In: 421.690+/-1110.198 χ^2/NDF: 27.0/24

Left Out: -0.541+/-886.487 χ^2/NDF:29.1/24

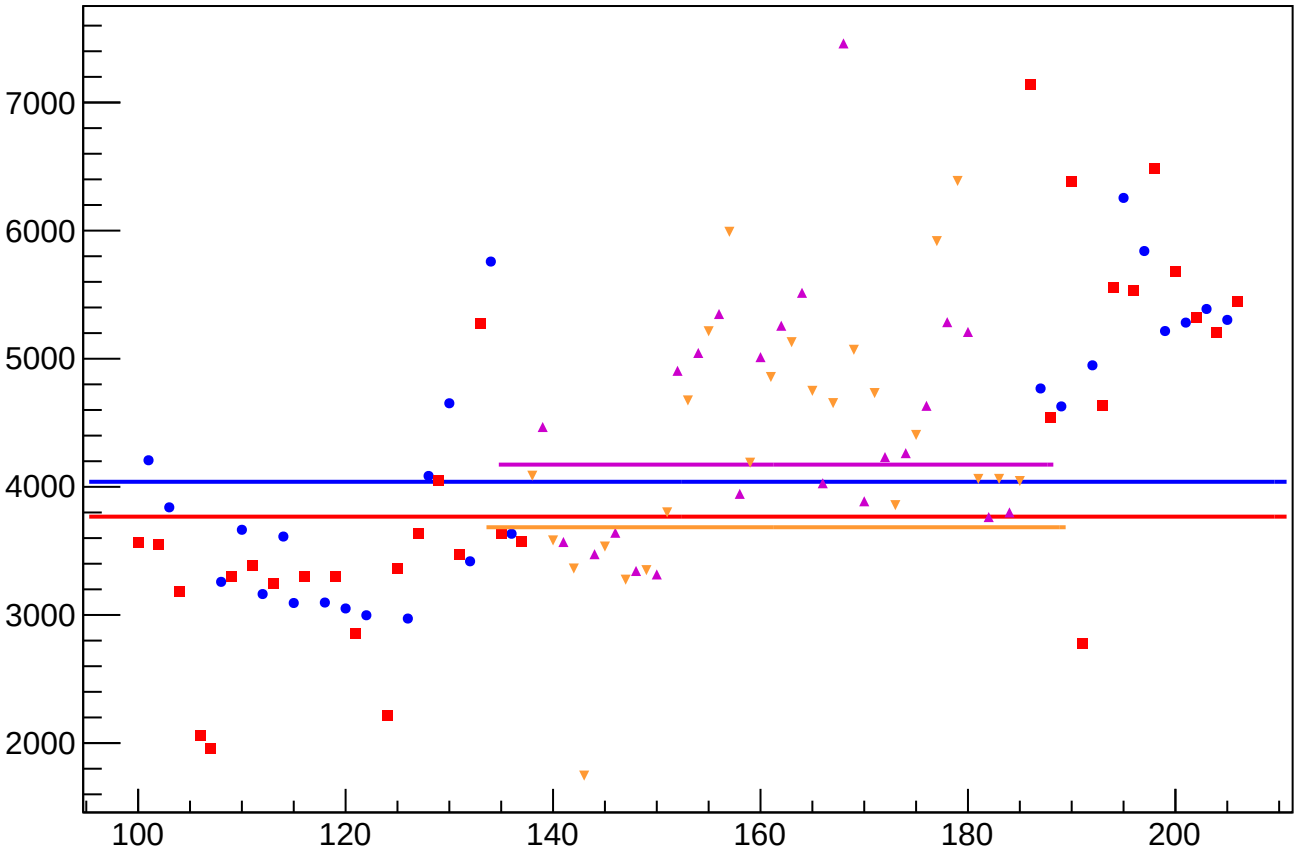
Right Out: -1649.714+/-984.732 χ^2/NDF: 31.4/30

Left In: -31.597+/-995.347 χ^2/NDF:14.0/22

+ sign 163.853+/-692.739 χ^2/NDF: 56.1/49

All: -337.432+/-492.399 χ^2/NDF: 103.9/103

- sign -849.330+/-700.033 χ^2/NDF: 46.7/53



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

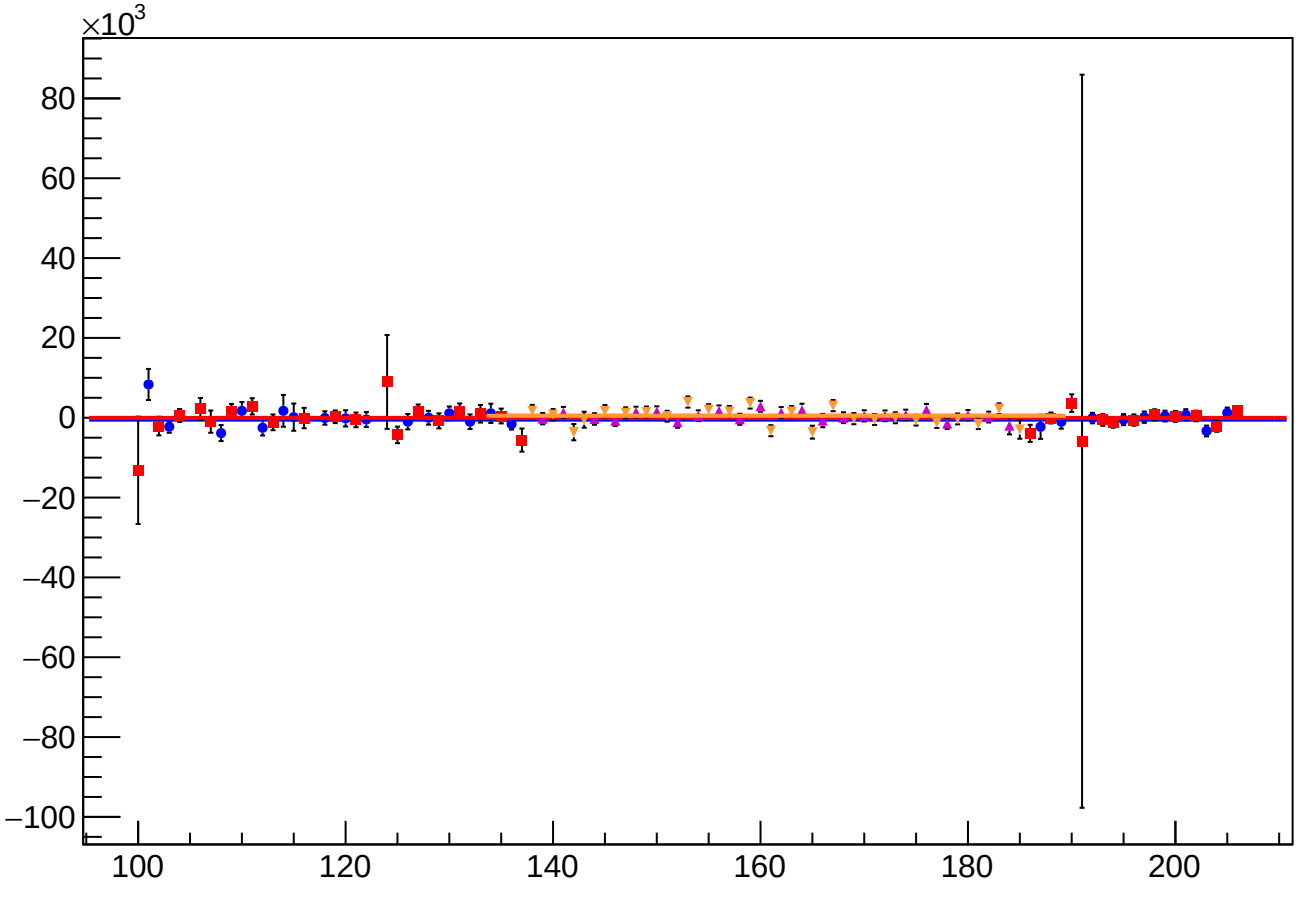
Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3822.888+/-0.490 χ^2/NDF: 5351105.7/49

All: 3894.840+/-0.348 χ^2/NDF: 9823998.8/10

- sign 3968.315+/-0.495 χ^2/NDF: 4429284.0/53



Right In: -477.523+/-345.012 χ^2/NDF: 21.9/24

Left Out: 492.079+/-288.495 χ^2/NDF:46.9/24

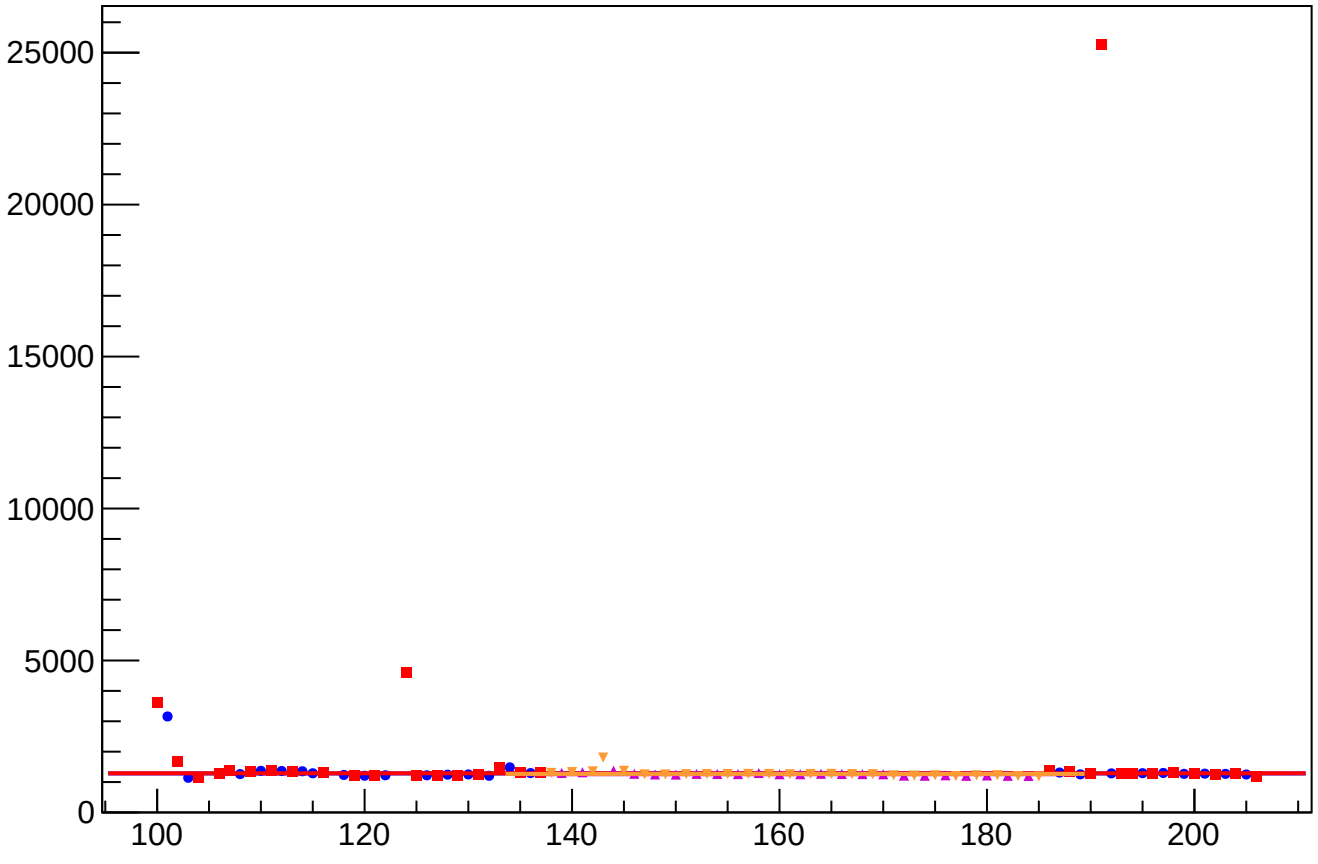
Right Out: -31.039+/-324.058 χ^2/NDF: 28.5/30

Left In: 486.720+/-293.769 χ^2/NDF:14.4/22

+ sign 93.095+/-221.317 χ^2/NDF: 73.4/49

All: 174.467+/-155.181 χ^2/NDF: 118.0/103

- sign 253.163+/-217.648 χ^2/NDF: 44.3/53



Right In: 1282.886+/-0.244 χ^2/NDF: 517900.8/24

Left Out: 1266.968+/-0.204 χ^2/NDF:187545.6/24

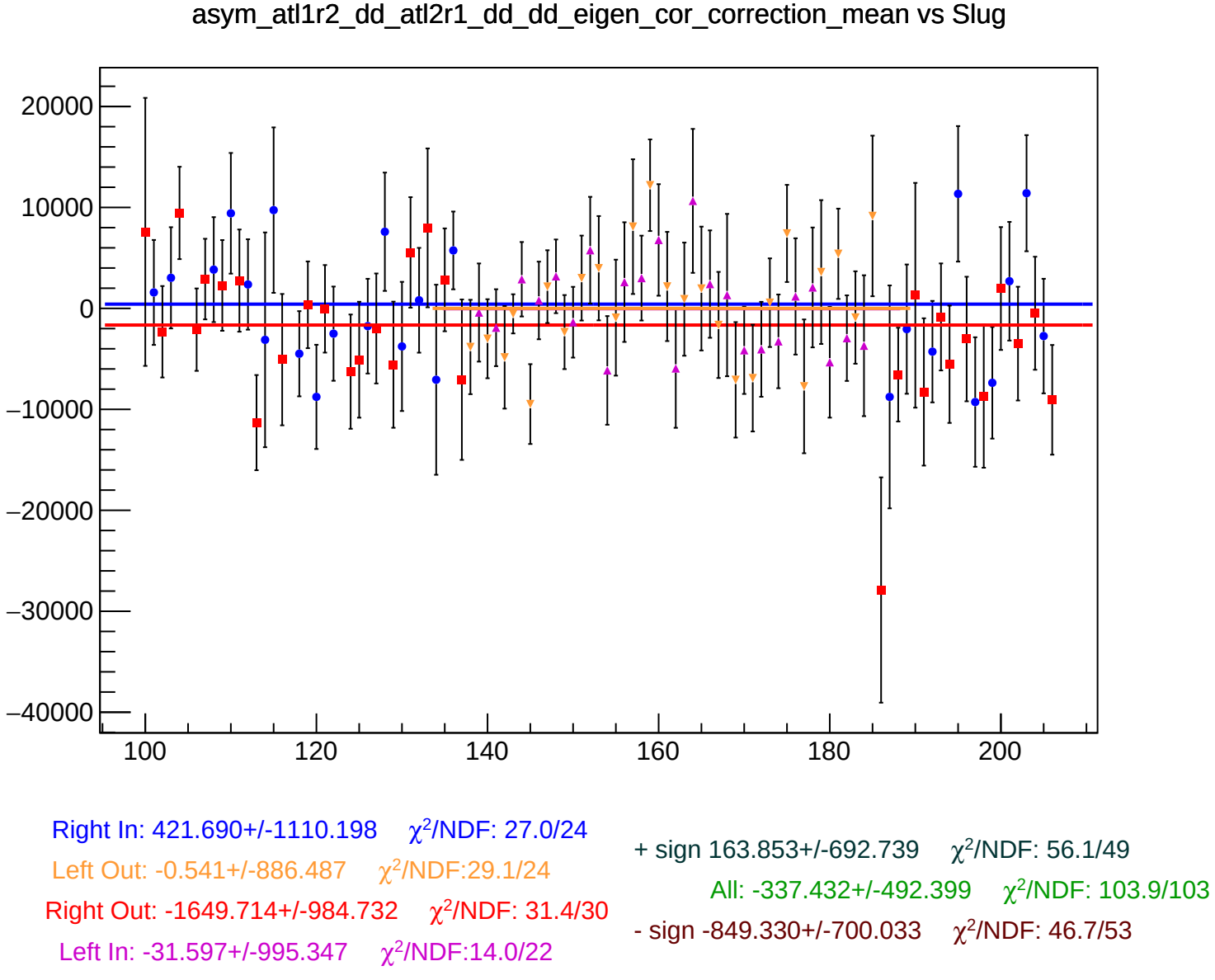
Right Out: 1288.689+/-0.229 χ^2/NDF: 489152.2/30

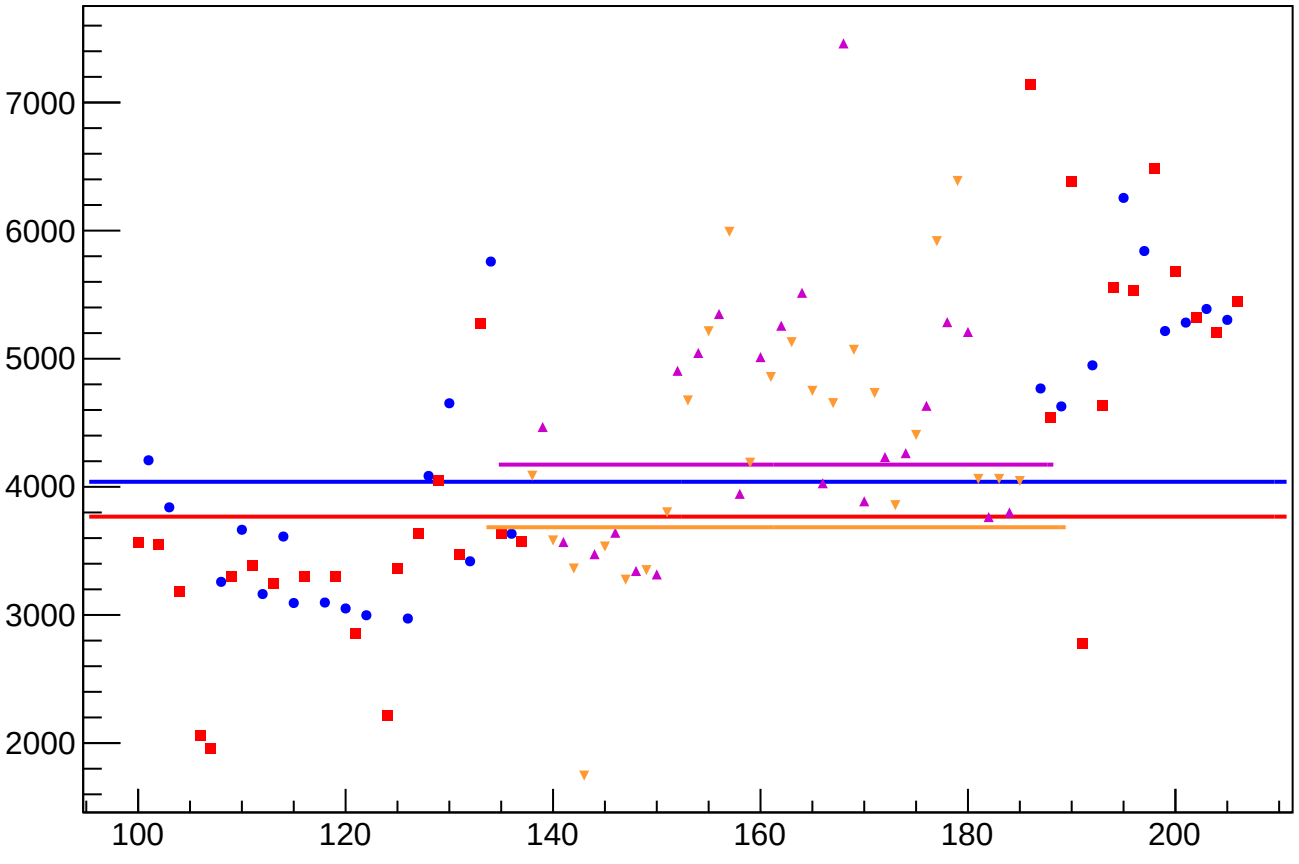
Left In: 1257.551+/-0.208 χ^2/NDF:36816.3/22

+ sign 1273.518+/-0.156 χ^2/NDF: 707952.0/49

All: 1272.548+/-0.110 χ^2/NDF: 1244141.1/10

- sign 1271.610+/-0.154 χ^2/NDF: 536113.4/53


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs Slug
20000
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 421.690+/-1110.198 χ²/NDF: 27.0/24
Left Out: -0.541+/-886.487 χ²/NDF:29.1/24
Right Out: -1649.714+/-984.732 χ²/NDF: 31.4/30
Left In: -31.597+/-995.347 χ²/NDF:14.0/22
+ sign 163.853+/-692.739 χ²/NDF: 56.1/49
All: -337.432+/-492.399 χ²/NDF: 103.9/103
- sign -849.330+/-700.033 χ²/NDF: 46.7/53



Right In: 4039.525+/-0.785 χ^2/NDF: 1532708.9/24

Left Out: 3684.762+/-0.627 χ^2/NDF:3693687.2/24

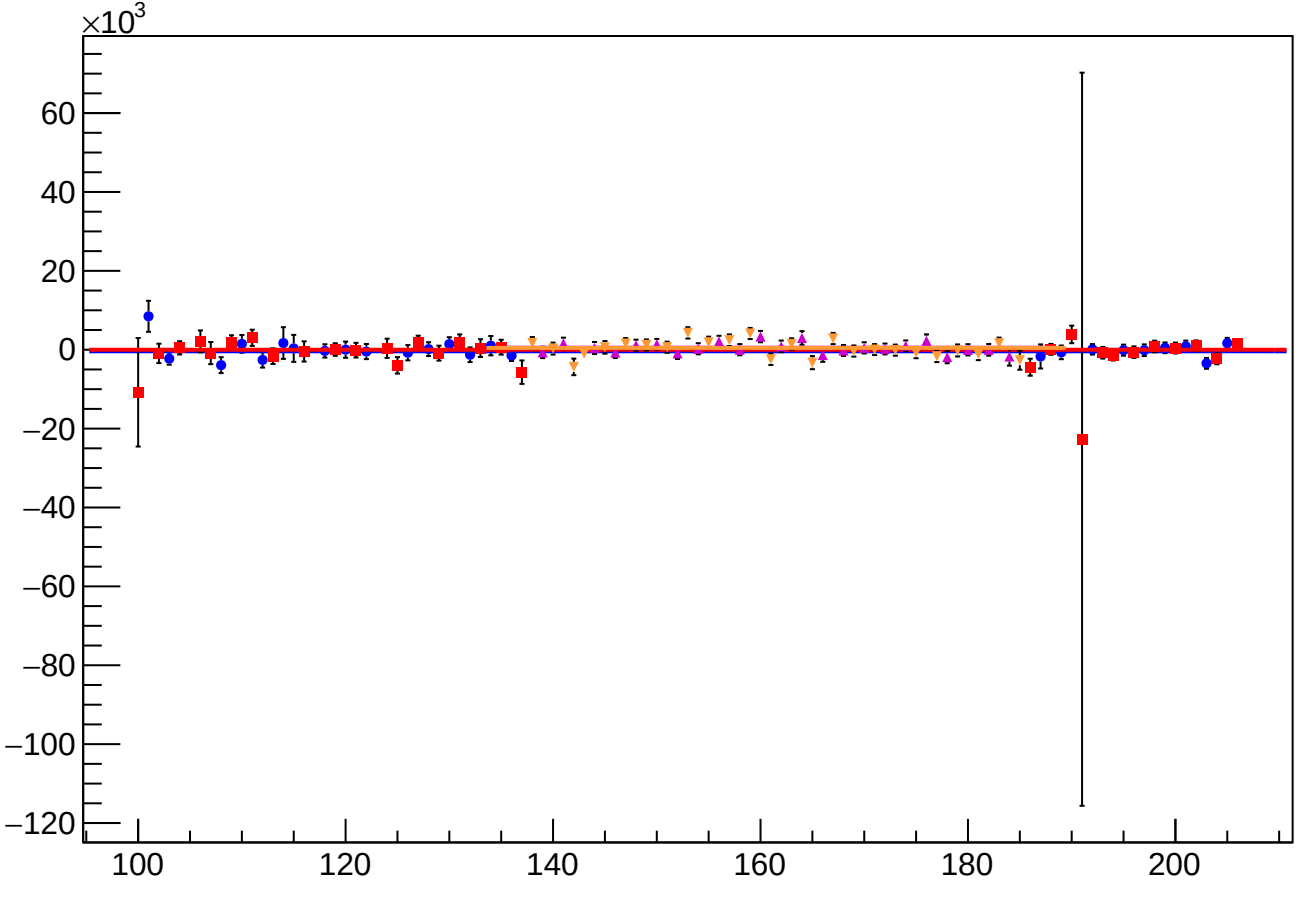
Right Out: 3767.434+/-0.696 χ^2/NDF: 2986055.6/30

Left In: 4173.550+/-0.704 χ^2/NDF:1274967.5/22

+ sign 3822.888+/-0.490 χ^2/NDF: 5351105.7/49

All: 3894.840+/-0.348 χ^2/NDF: 9823998.8/10

- sign 3968.315+/-0.495 χ^2/NDF: 4429284.0/53



Right In: -393.186+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.929+/-294.257 χ^2/NDF:44.1/24

Right Out: -5.003+/-326.544 χ^2/NDF: 29.0/30

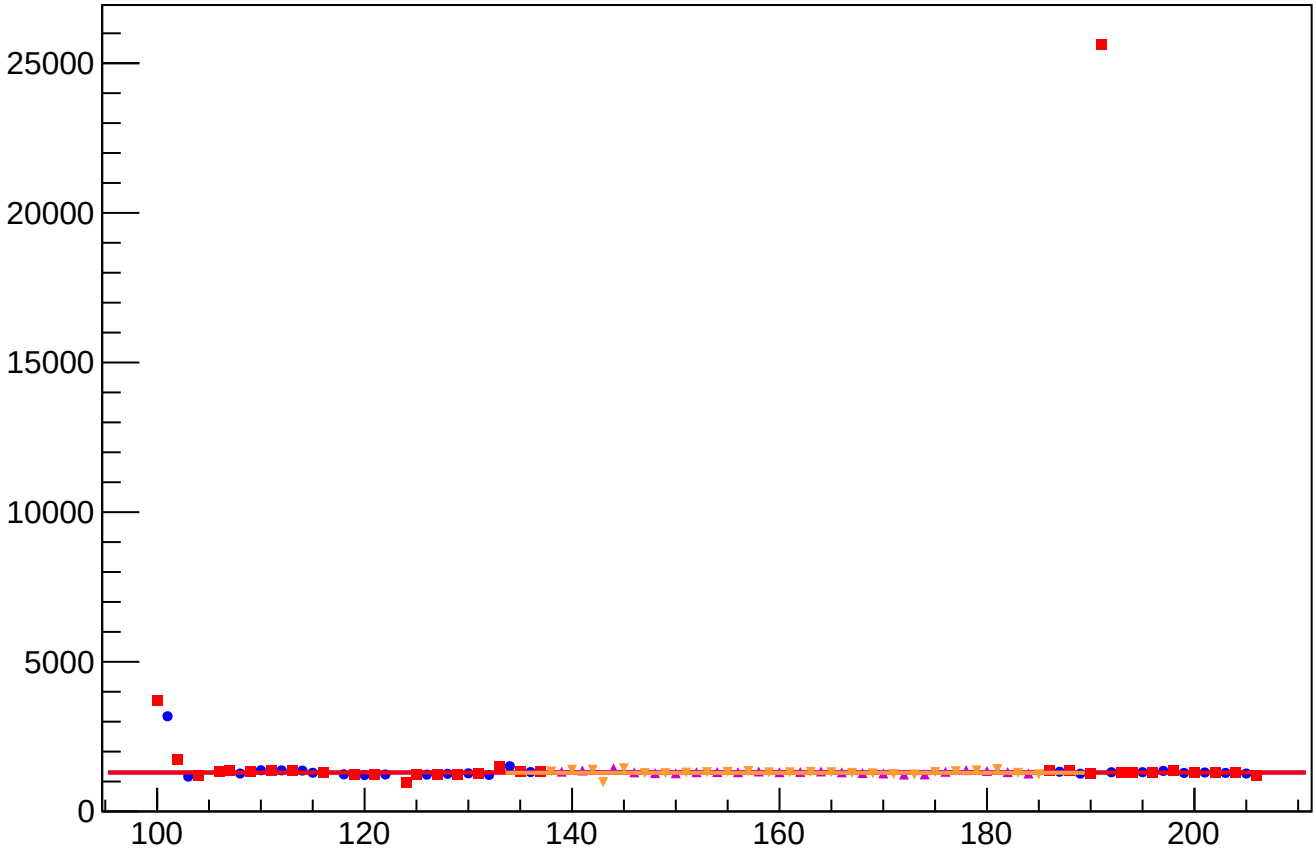
Left In: 503.558+/-307.055 χ^2/NDF:17.4/22

+ sign 111.489+/-225.270 χ^2/NDF: 70.8/49

All: 188.736+/-158.729 χ^2/NDF: 118.7/103

- sign 264.905+/-223.693 χ^2/NDF: 47.7/53

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1301.840+/-0.248 χ^2/NDF: 516314.9/24

Left Out: 1291.211+/-0.208 χ^2/NDF:230735.1/24

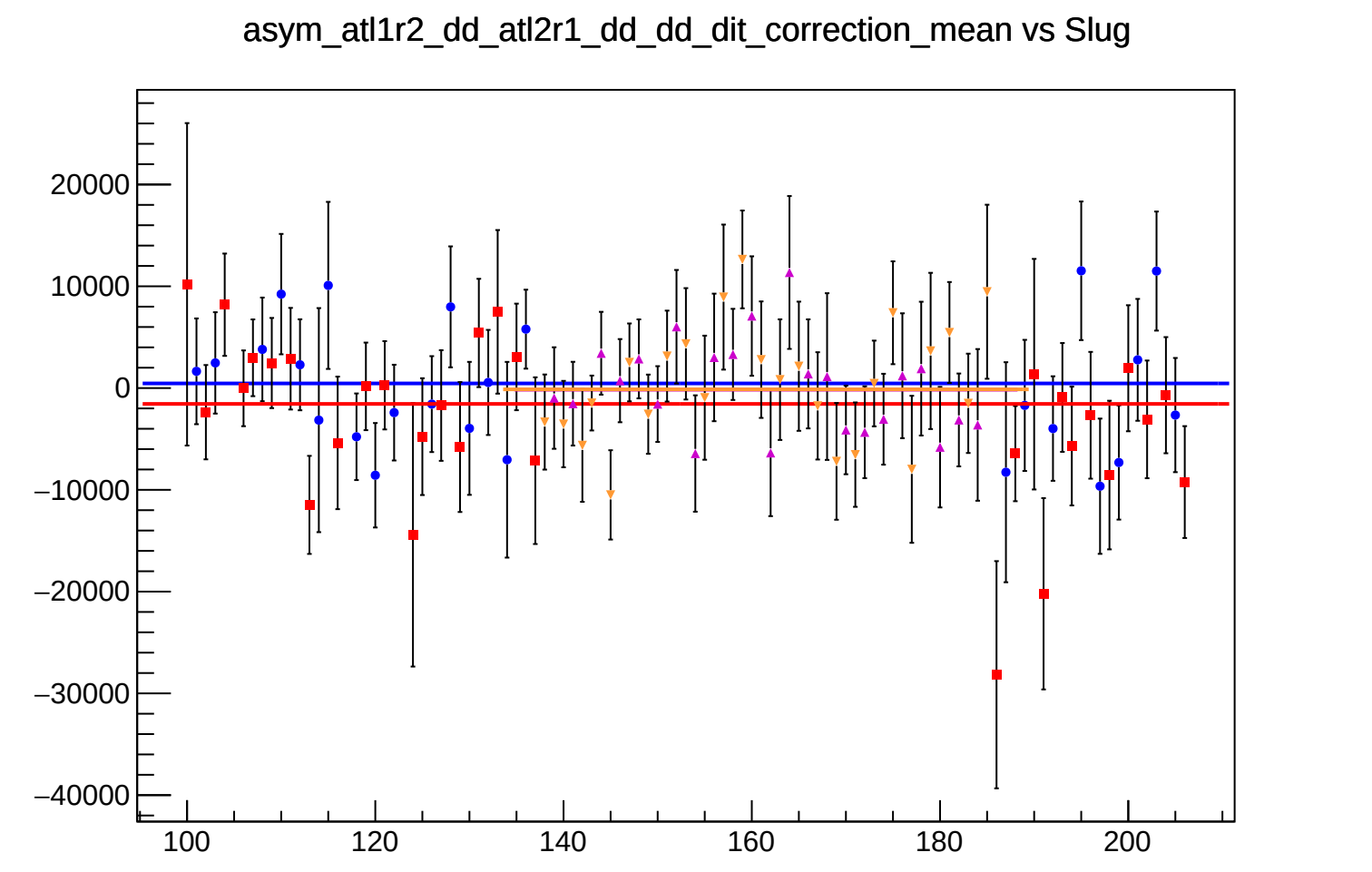
Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.0/30

Left In: 1314.006+/-0.217 χ^2/NDF:43044.7/22

+ sign 1295.610+/-0.159 χ^2/NDF: 748130.2/49

All: 1301.569+/-0.112 χ^2/NDF: 1173870.0/10

- sign 1307.442+/-0.158 χ^2/NDF: 422961.4/53



Right In: 455.466+/-1115.970 χ^2/NDF: 26.6/24

Left Out: -127.273+/-977.231 χ^2/NDF:28.6/24

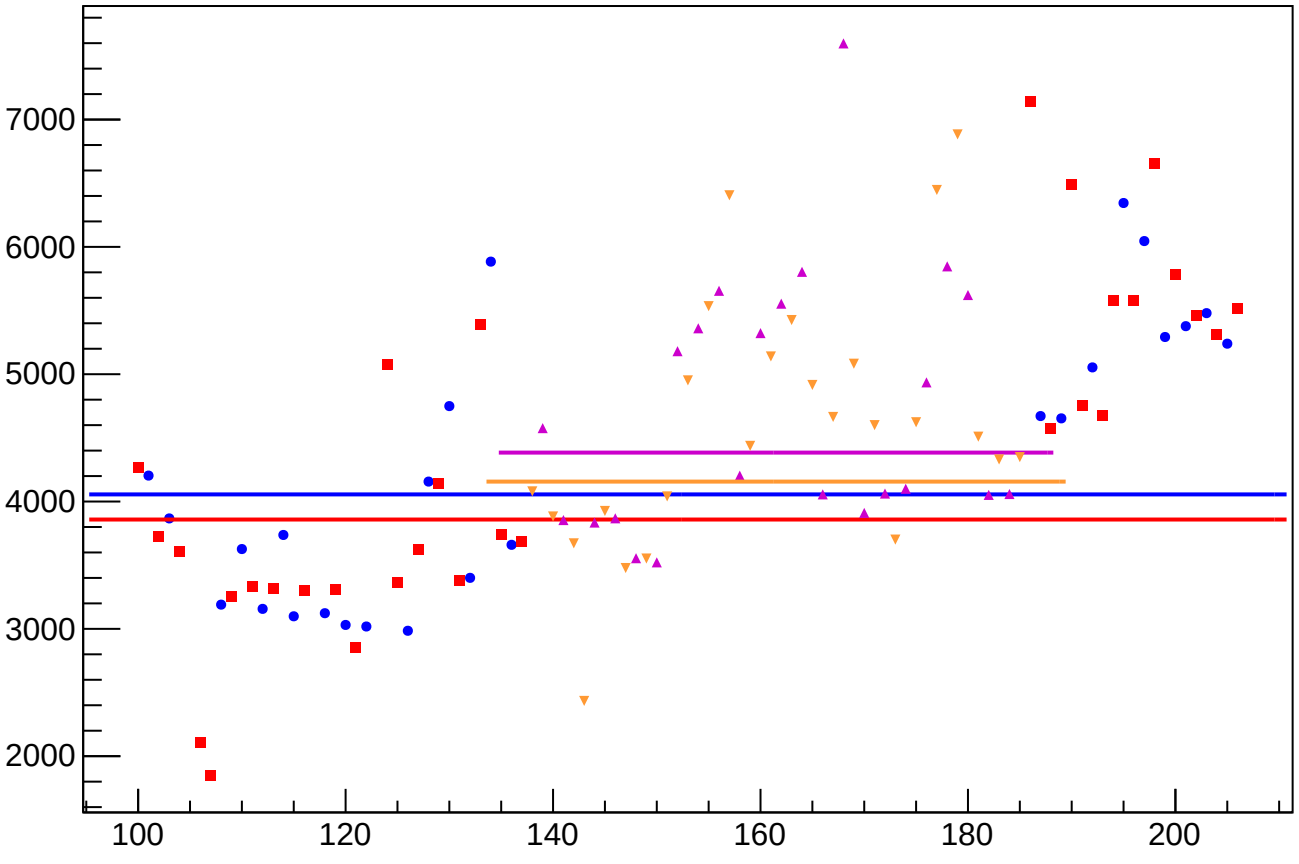
Right Out: -1556.741+/-1002.016 χ^2/NDF: 33.1/30

Left In: -159.452+/-1045.510 χ^2/NDF:13.8/22

+ sign 125.641+/-735.194 χ^2/NDF: 55.3/49

All: -389.242+/-515.647 χ^2/NDF: 104.1/103

- sign -887.765+/-723.420 χ^2/NDF: 47.8/53



Right In: 4056.015+/-0.789 χ^2/NDF: 1613781.3/24

Left Out: 4156.582+/-0.691 χ^2/NDF:2080766.1/24

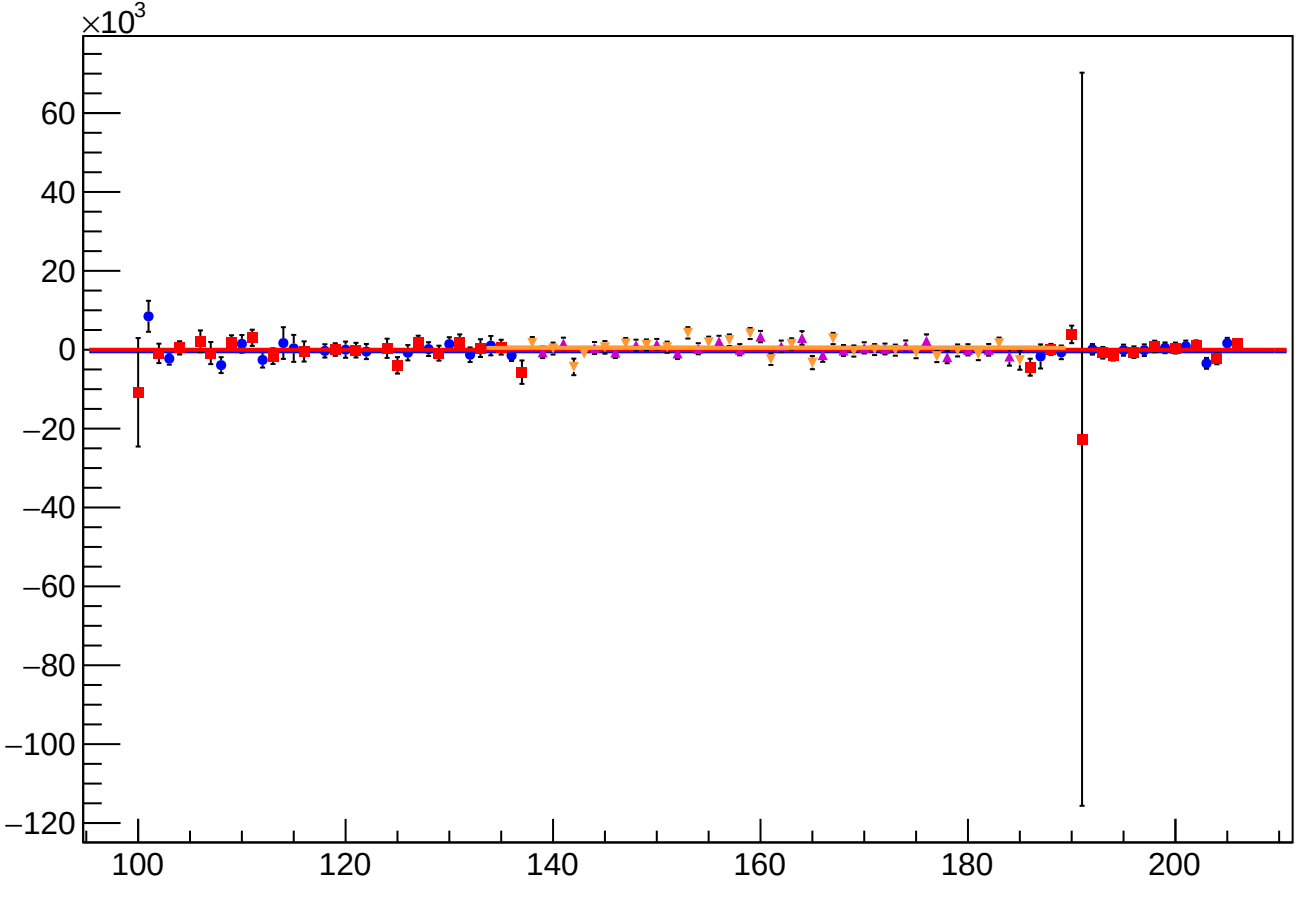
Right Out: 3858.672+/-0.709 χ^2/NDF: 3057818.8/30

Left In: 4384.323+/-0.739 χ^2/NDF:1255470.8/22

+ sign 4112.935+/-0.520 χ^2/NDF: 3703740.2/49

All: 4111.615+/-0.365 χ^2/NDF: 8280554.0/10

- sign 4110.336+/-0.512 χ^2/NDF: 4576801.2/53



Right In: -393.185+/-350.139 χ^2/NDF: 23.2/24

Left Out: 467.933+/-294.257 χ^2/NDF:44.1/24

Right Out: -5.002+/-326.544 χ^2/NDF: 29.0/30

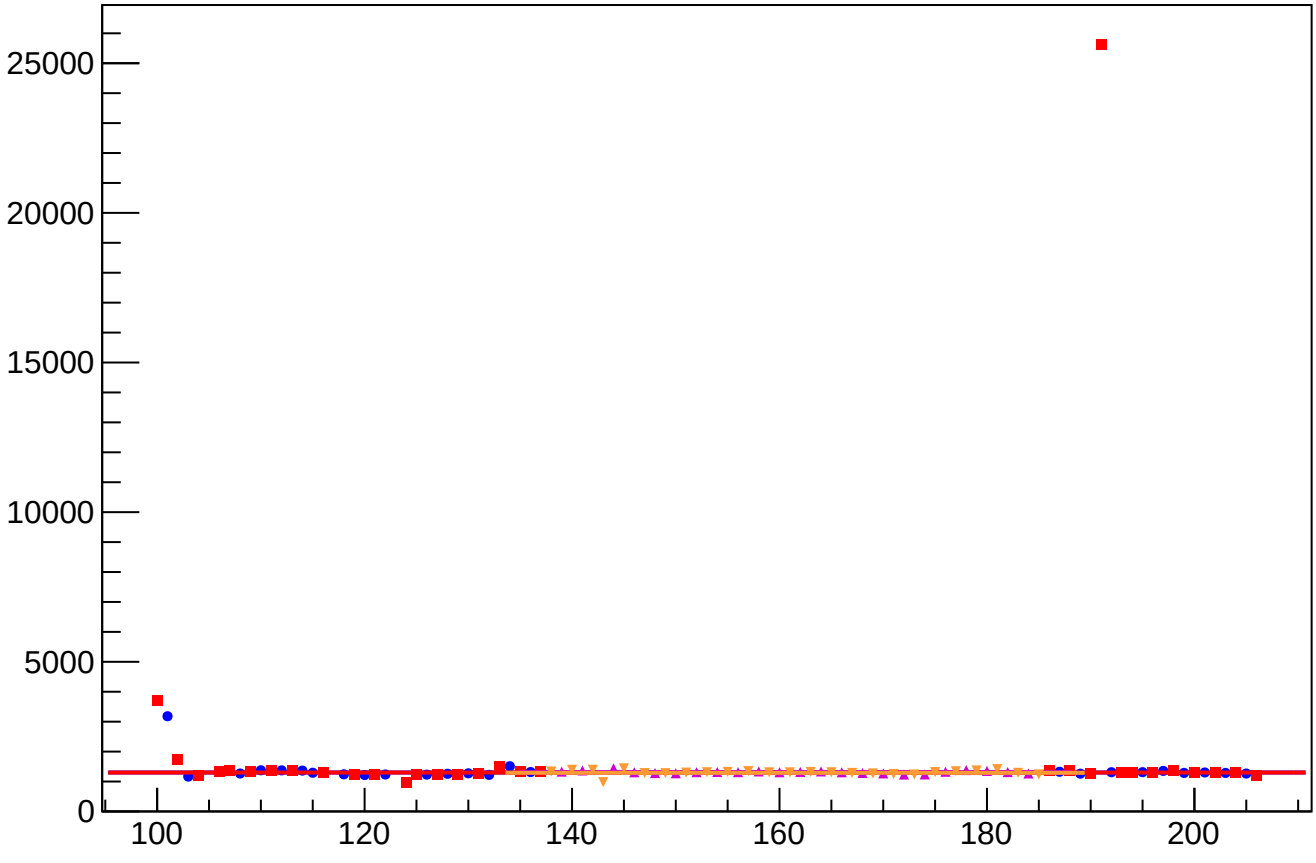
Left In: 503.558+/-307.056 χ^2/NDF:17.4/22

+ sign 111.492+/-225.270 χ^2/NDF: 70.8/49

All: 188.737+/-158.730 χ^2/NDF: 118.7/103

- sign 264.905+/-223.694 χ^2/NDF: 47.7/53

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 1301.840+/-0.248 χ^2/NDF: 516315.1/24

Left Out: 1291.212+/-0.208 χ^2/NDF:230737.6/24

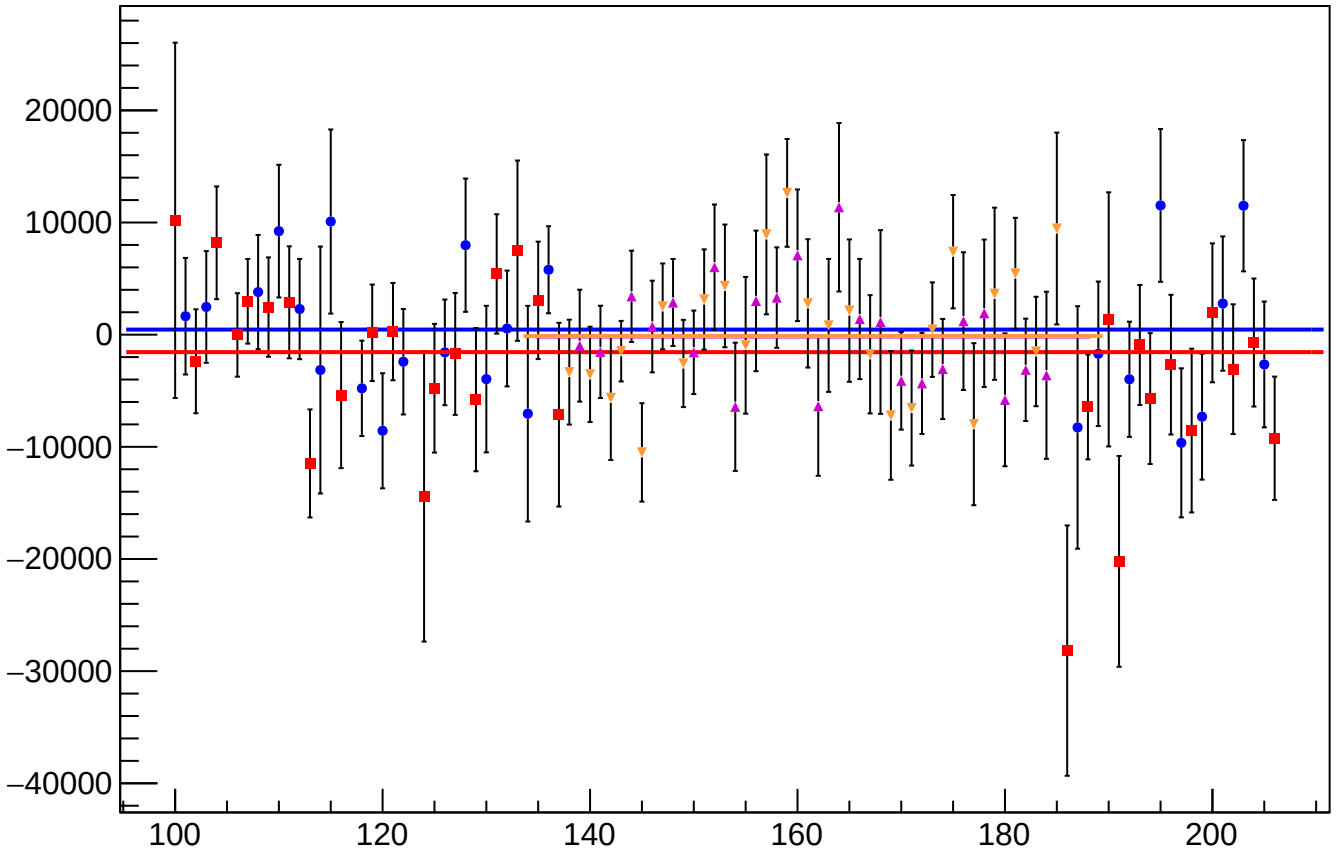
Right Out: 1300.024+/-0.231 χ^2/NDF: 377970.1/30

Left In: 1314.007+/-0.217 χ^2/NDF:43046.8/22

+ sign 1295.611+/-0.159 χ^2/NDF: 748132.7/49

All: 1301.569+/-0.112 χ^2/NDF: 1173875.1/10

- sign 1307.443+/-0.158 χ^2/NDF: 422964.0/53



Right In: 455.459+/-1115.969 χ^2/NDF: 26.6/24

Left Out: -127.271+/-977.232 χ^2/NDF:28.6/24

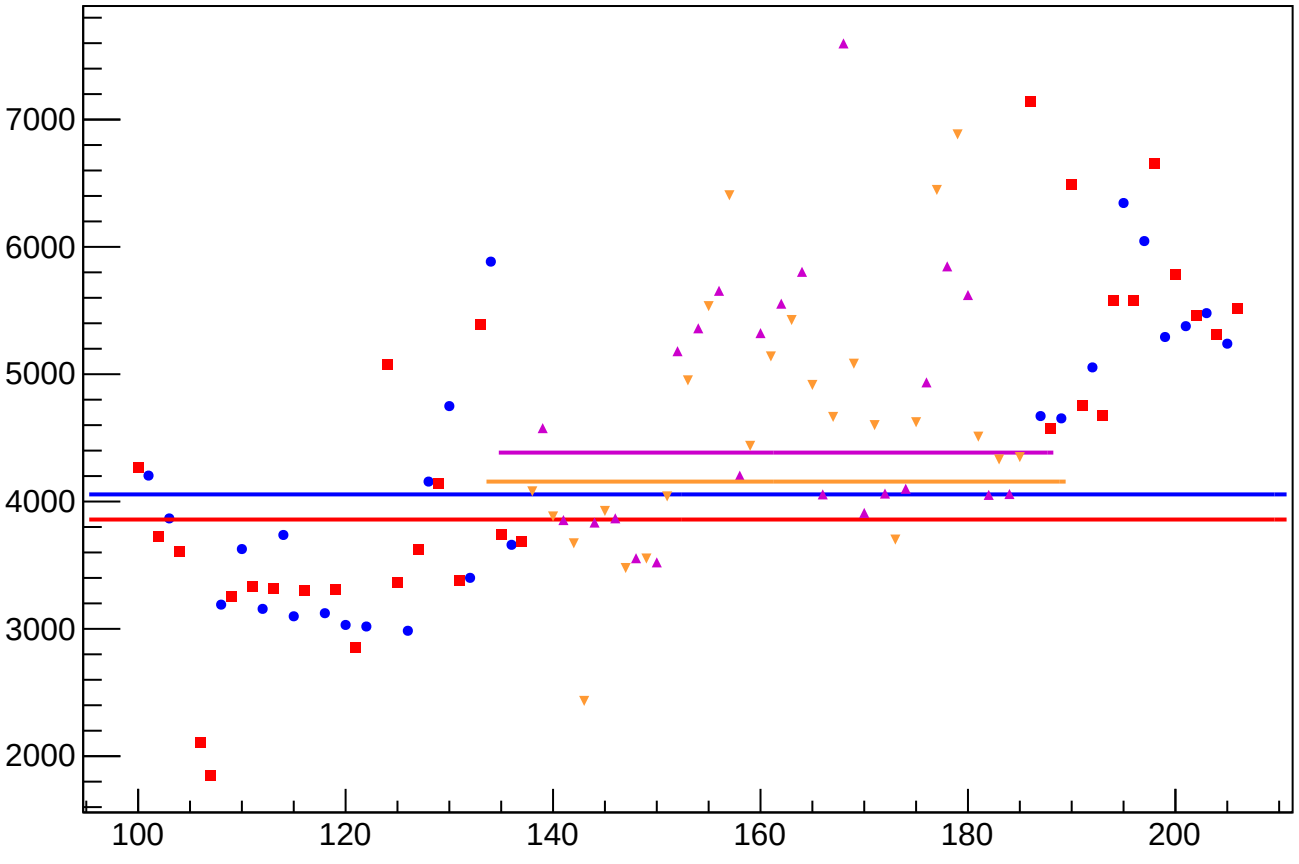
Right Out: -1556.733+/-1002.014 χ^2/NDF: 33.1/30

Left In: -159.454+/-1045.511 χ^2/NDF:13.8/22

+ sign 125.640+/-735.194 χ^2/NDF: 55.3/49

All: -389.242+/-515.647 χ^2/NDF: 104.1/103

- sign -887.763+/-723.420 χ^2/NDF: 47.8/53



Right In: 4056.008+/-0.789 χ^2/NDF: 1613807.7/24

Left Out: 4156.588+/-0.691 χ^2/NDF:2080769.0/24

Right Out: 3858.666+/-0.709 χ^2/NDF: 3057847.1/30

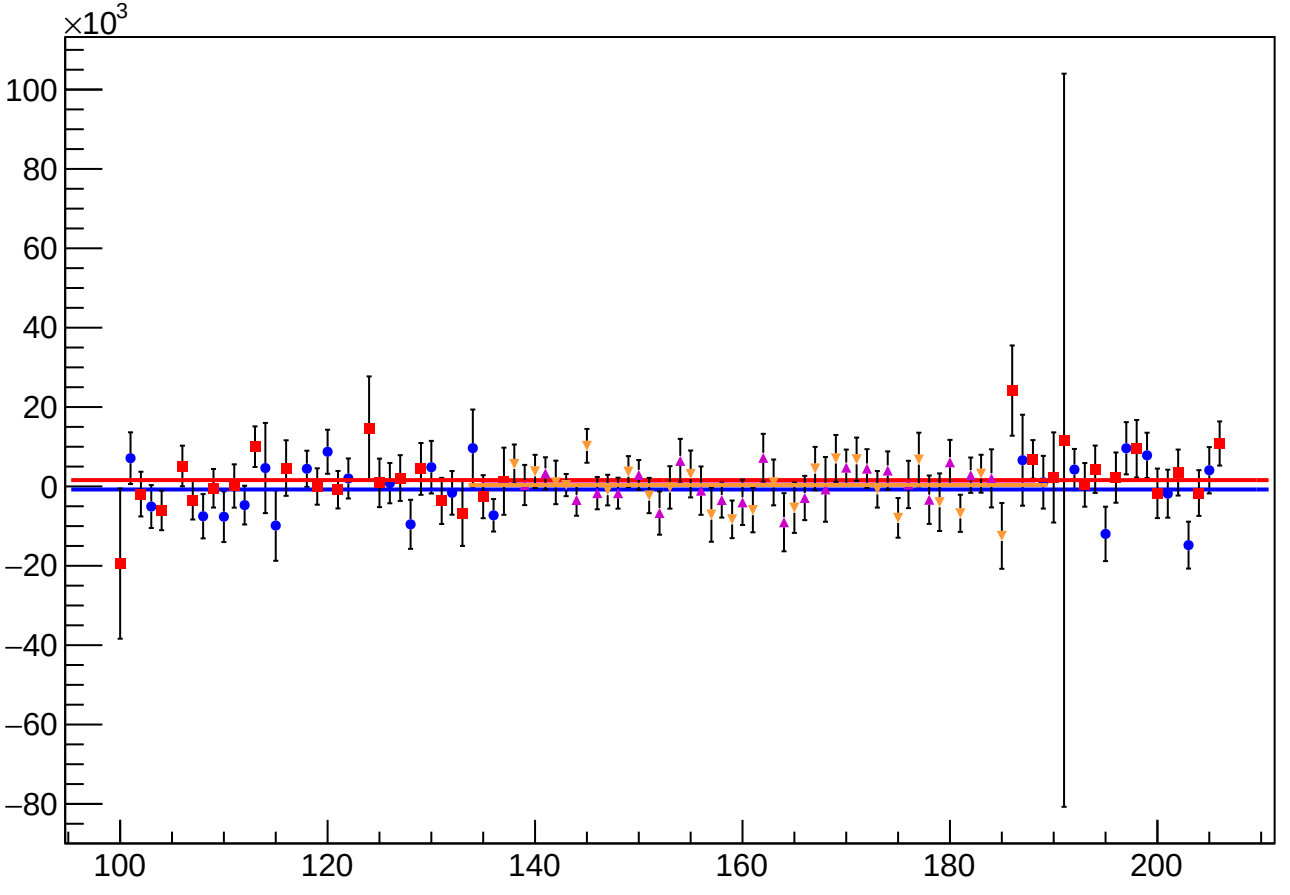
Left In: 4384.329+/-0.739 χ^2/NDF:1255475.0/22

+ sign 4112.935+/-0.520 χ^2/NDF: 3703771.8/49

All: 4111.614+/-0.365 χ^2/NDF: 8280631.4/10

- sign 4110.336+/-0.512 χ^2/NDF: 4576846.9/53

asym_atl1r2_dd_atl2r1_dd_dd_mean vs Slug



Right In: -770.346+/-1181.948 χ^2/NDF: 32.9/24

Left Out: 362.528+/-979.860 χ^2/NDF:27.7/24

Right Out: 1590.008+/-1090.282 χ^2/NDF: 22.8/30

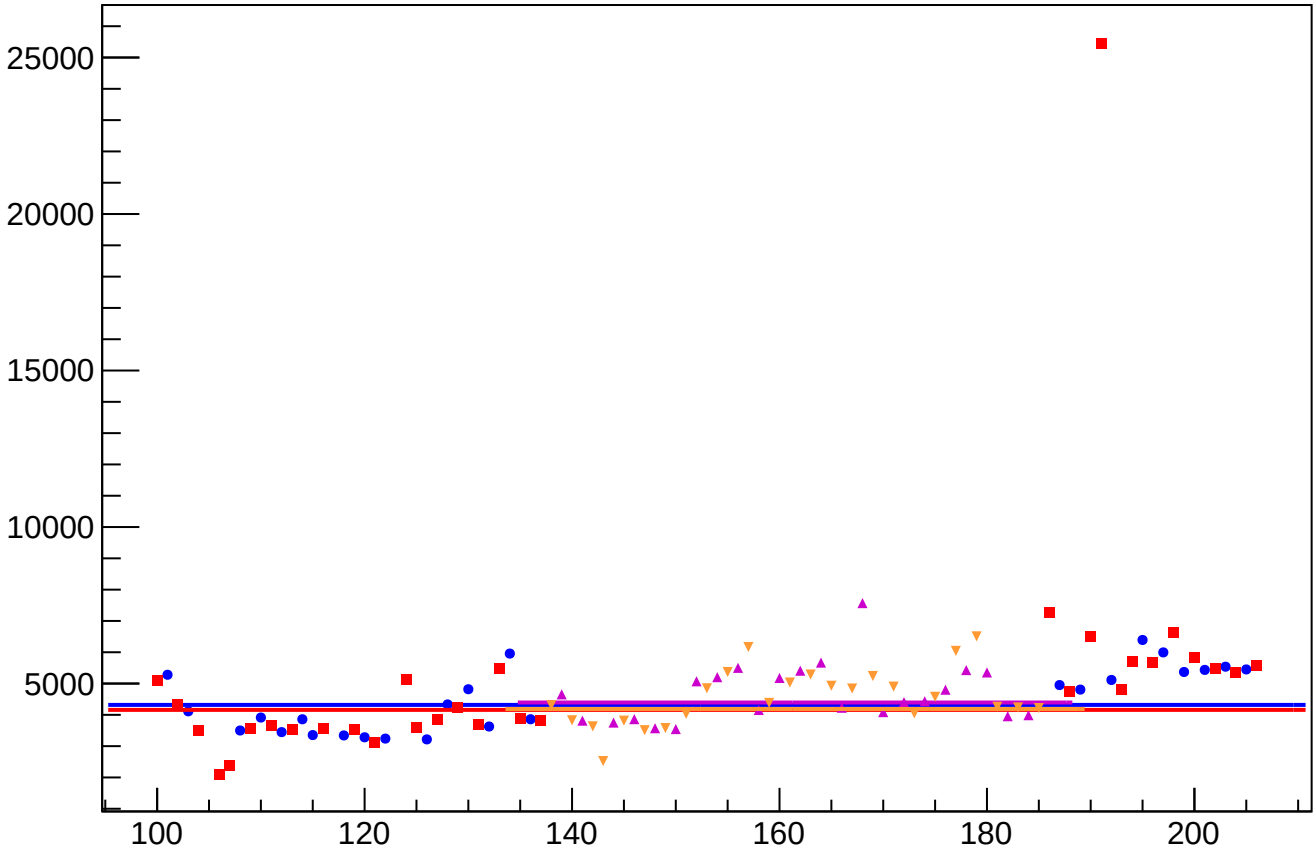
Left In: 497.522+/-1044.707 χ^2/NDF:13.9/22

+ sign -98.924+/-754.347 χ^2/NDF: 61.1/49

All: 460.787+/-533.393 χ^2/NDF: 99.4/103

- sign 1020.455+/-754.317 χ^2/NDF: 37.2/53

asym_atl1r2_dd_atl2r1_dd_dd_rms vs Slug



Right In: 4317.758+/-0.836 χ^2/NDF: 1333620.2/24

Left Out: 4187.848+/-0.693 χ^2/NDF:1796345.9/24

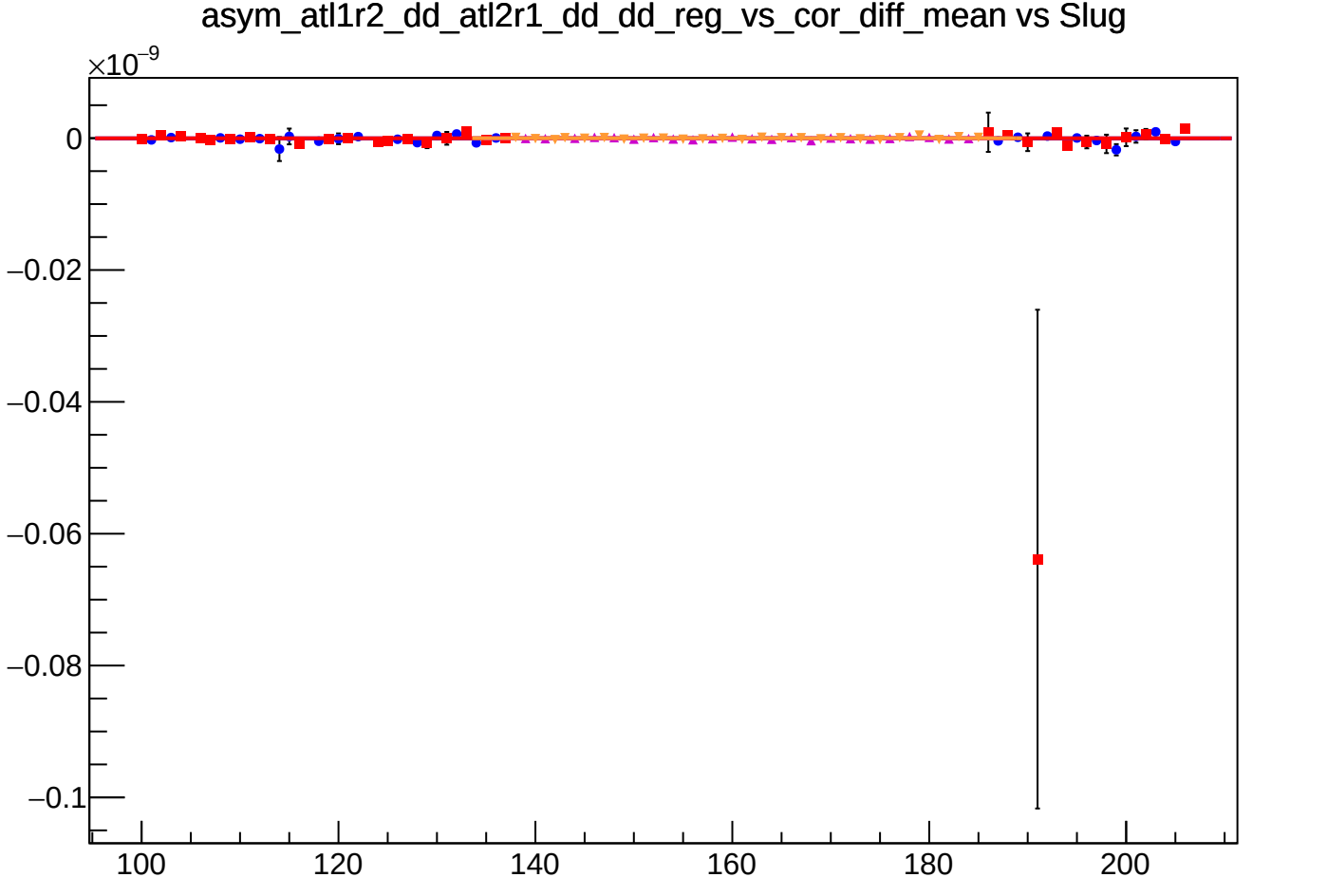
Right Out: 4158.534+/-0.764 χ^2/NDF: 2452358.5/30

Left In: 4394.324+/-0.739 χ^2/NDF:1088394.9/22

+ sign 4240.765+/-0.533 χ^2/NDF: 3144285.8/49

All: 4260.660+/-0.376 χ^2/NDF: 6737043.2/10

- sign 4280.379+/-0.531 χ^2/NDF: 3589987.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:30.5/24

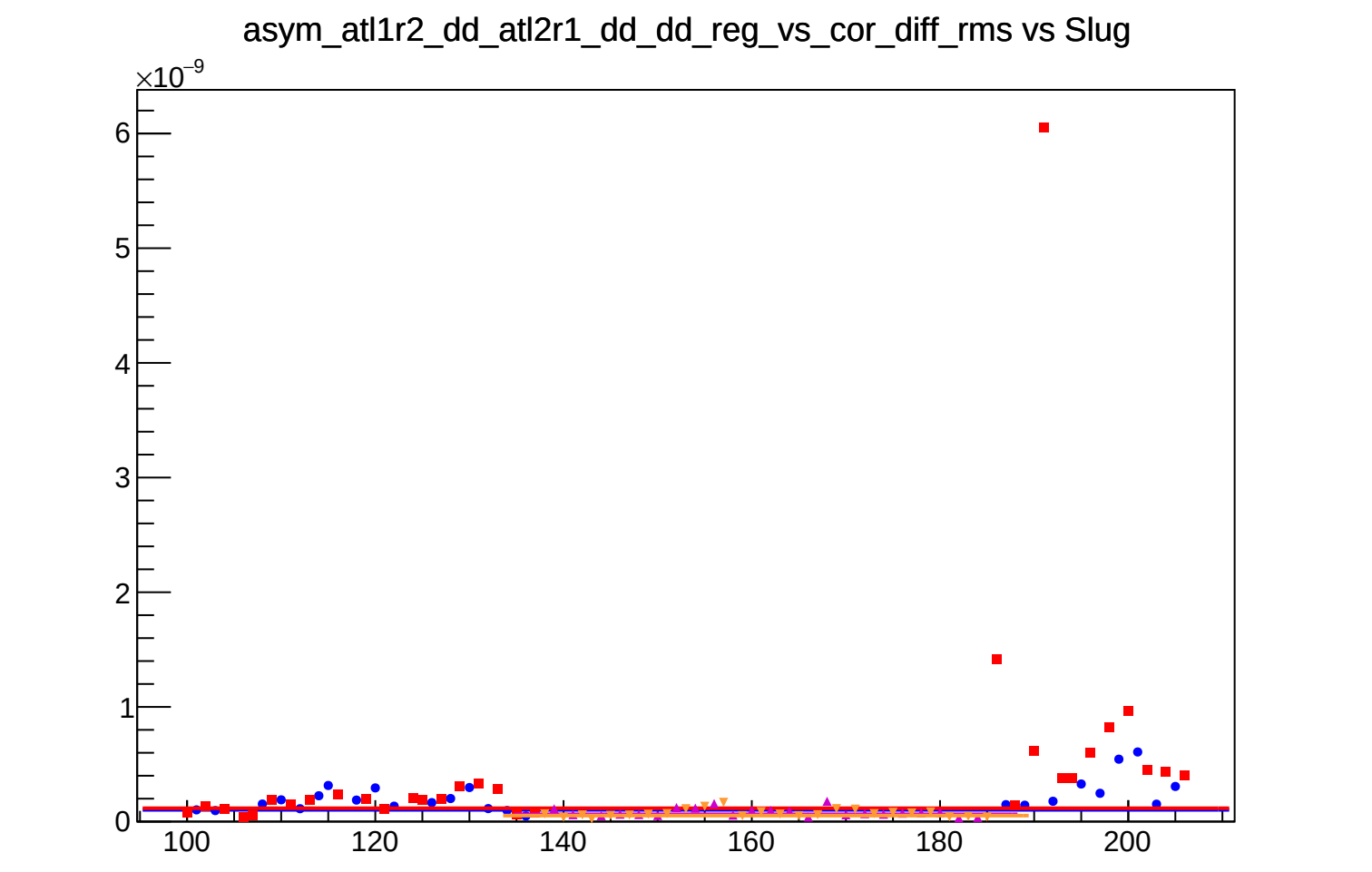
Right Out: -0.000+/-0.000 χ^2/NDF: 33.0/30

Left In: -0.000+/-0.000 χ^2/NDF:17.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/49

All: -0.000+/-0.000 χ^2/NDF: 109.4/103

- sign -0.000+/-0.000 χ^2/NDF: 50.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 3407071.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2628519.8/24

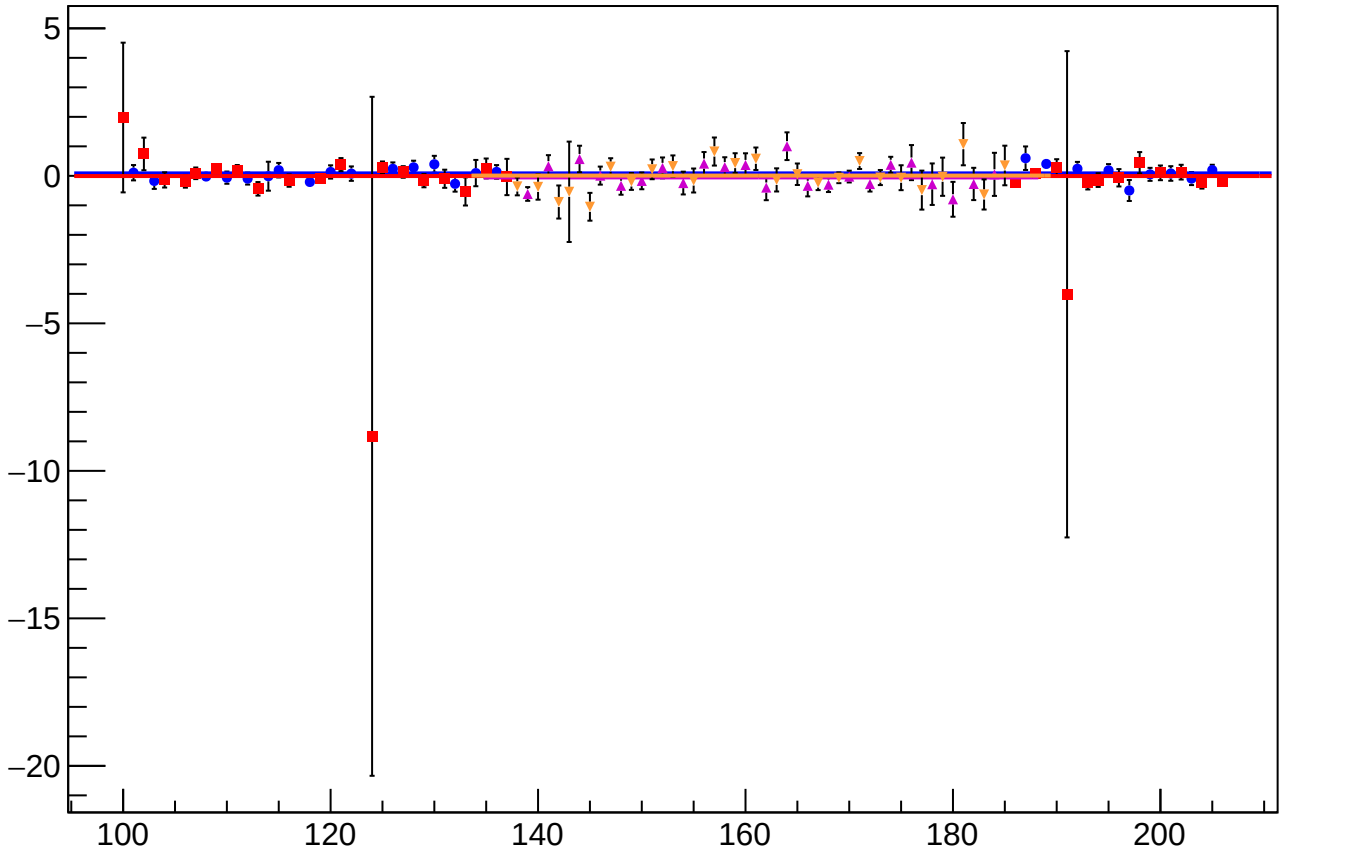
Right Out: 0.000+/-0.000 χ^2/NDF: 6378887.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1788279.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7413879.7/49

All: 0.000+/-0.000 χ^2/NDF: 17177429.1/103

- sign 0.000+/-0.000 χ^2/NDF: 9458054.7/53



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

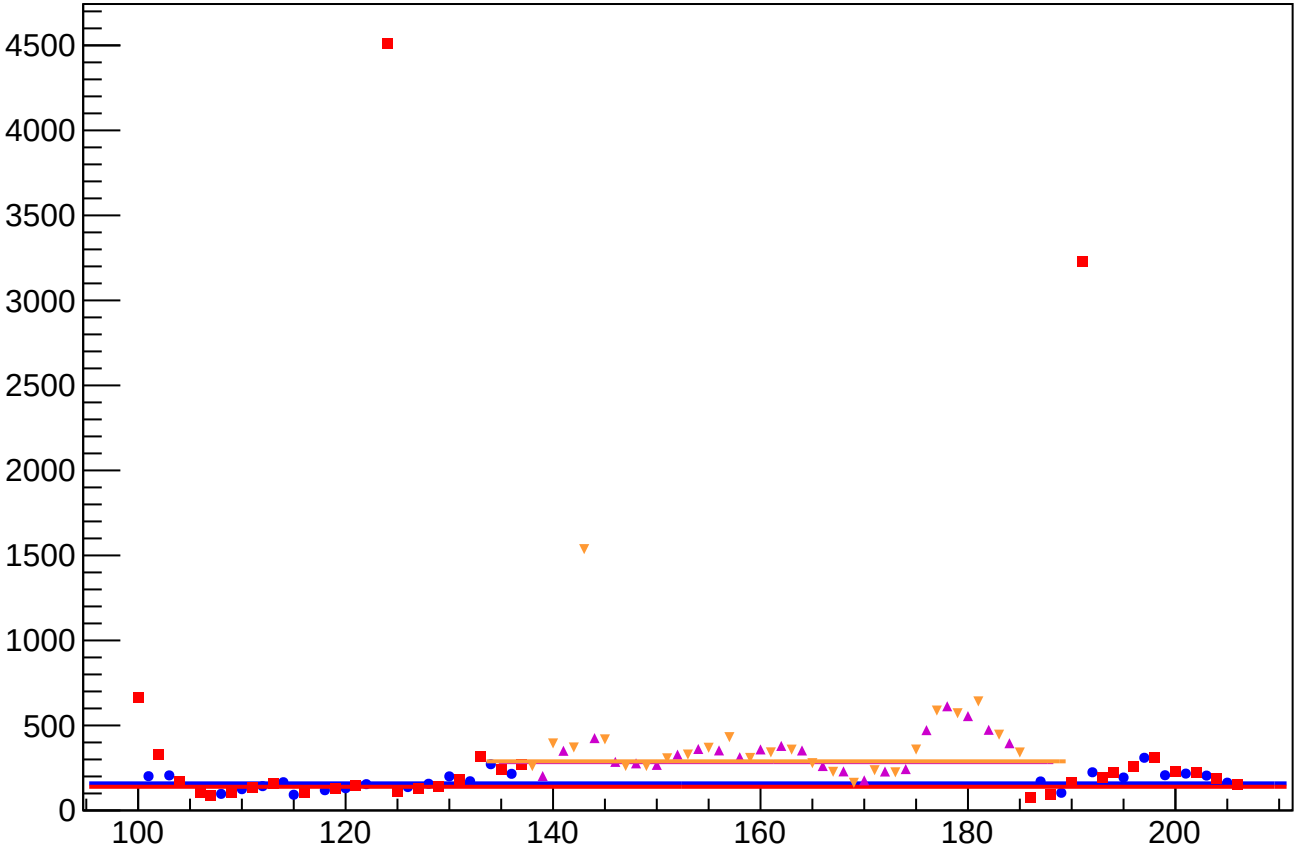
Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.017+/-0.025 χ^2/NDF: 113.0/103

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

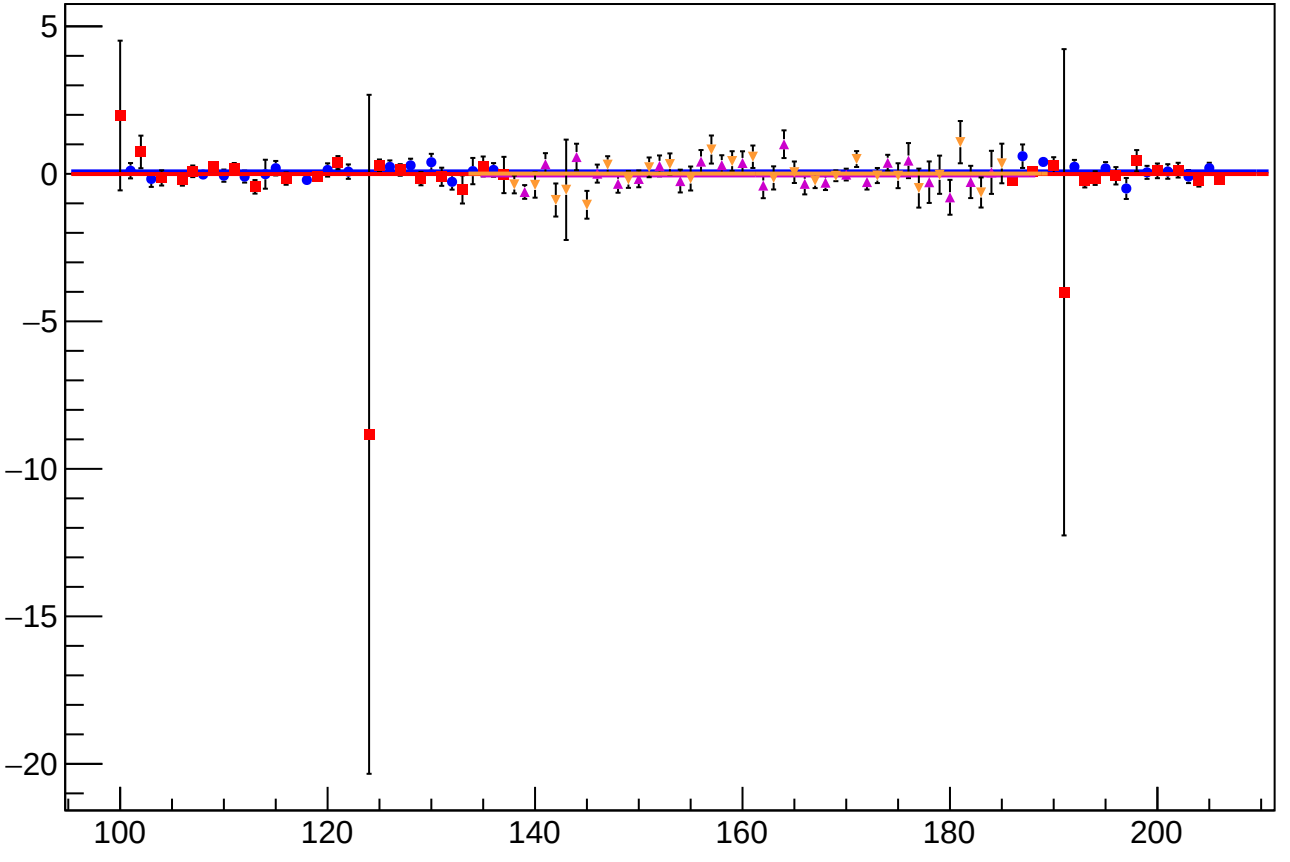
Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.931+/-0.027 χ^2/NDF: 11589845.3/49

All: 183.519+/-0.018 χ^2/NDF: 26285586.4/10

- sign 172.947+/-0.024 χ^2/NDF: 14255780.1/53

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

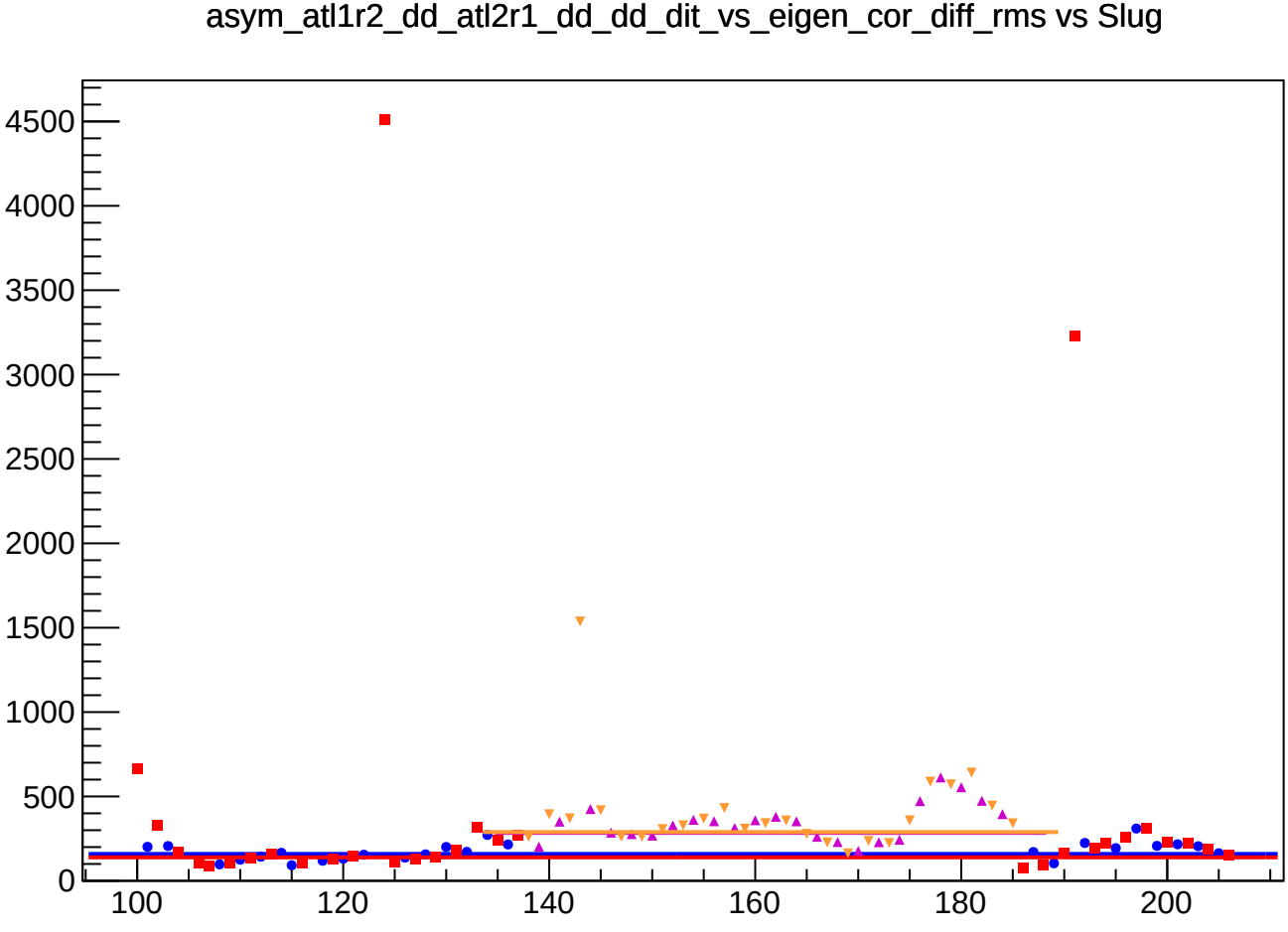
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.017+/-0.025 χ^2/NDF: 113.0/103

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53



Right In: 159.373+/-0.032 χ^2/NDF: 2215908.4/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648197.0/24

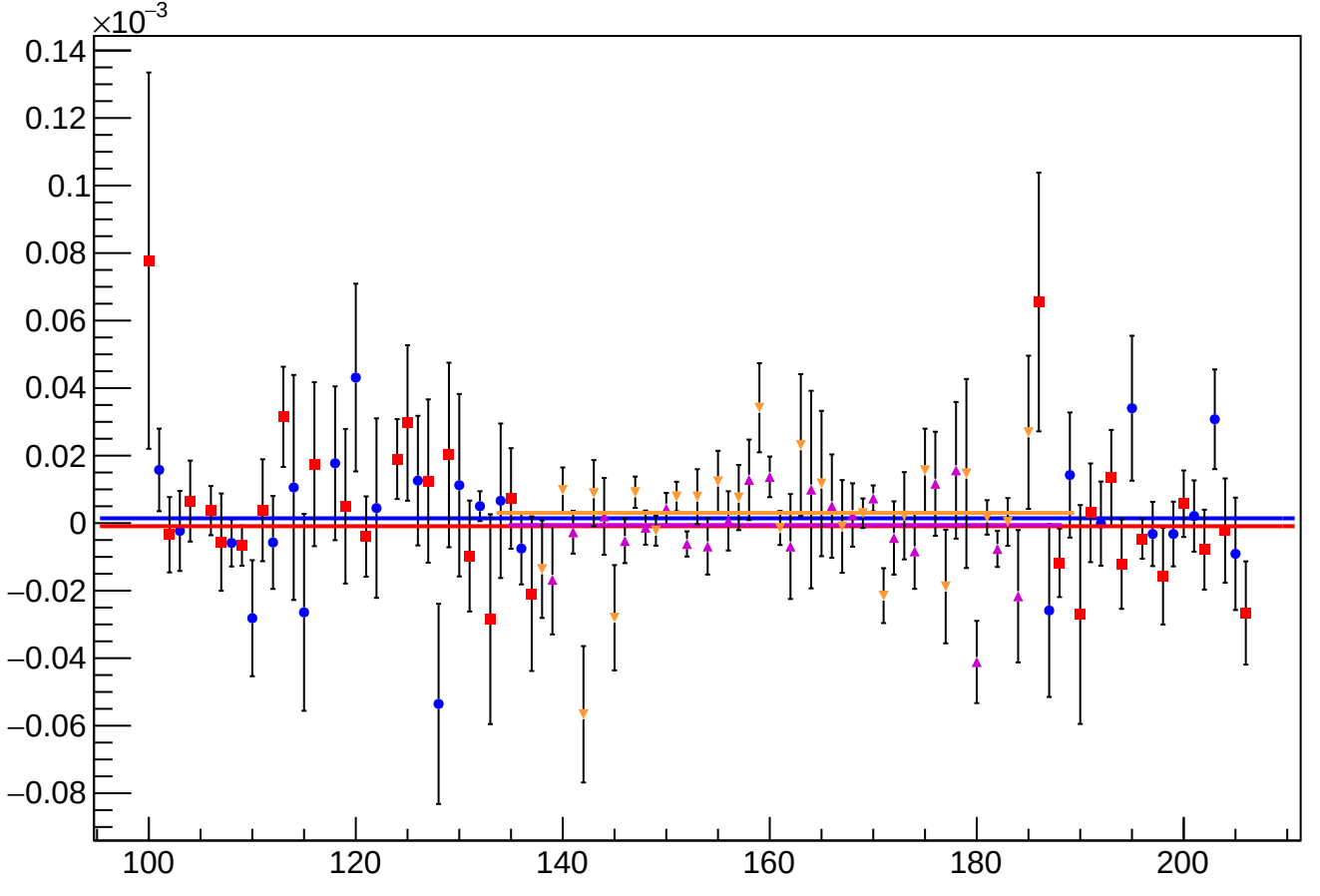
Right Out: 139.244+/-0.027 χ^2/NDF: 4674613.0/30

Left In: 284.168+/-0.050 χ^2/NDF:3077521.1/22

+ sign 196.931+/-0.027 χ^2/NDF: 11589845.3/49

All: 183.519+/-0.018 χ^2/NDF: 26285586.4/10

- sign 172.947+/-0.024 χ^2/NDF: 14255780.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 23.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:42.2/24

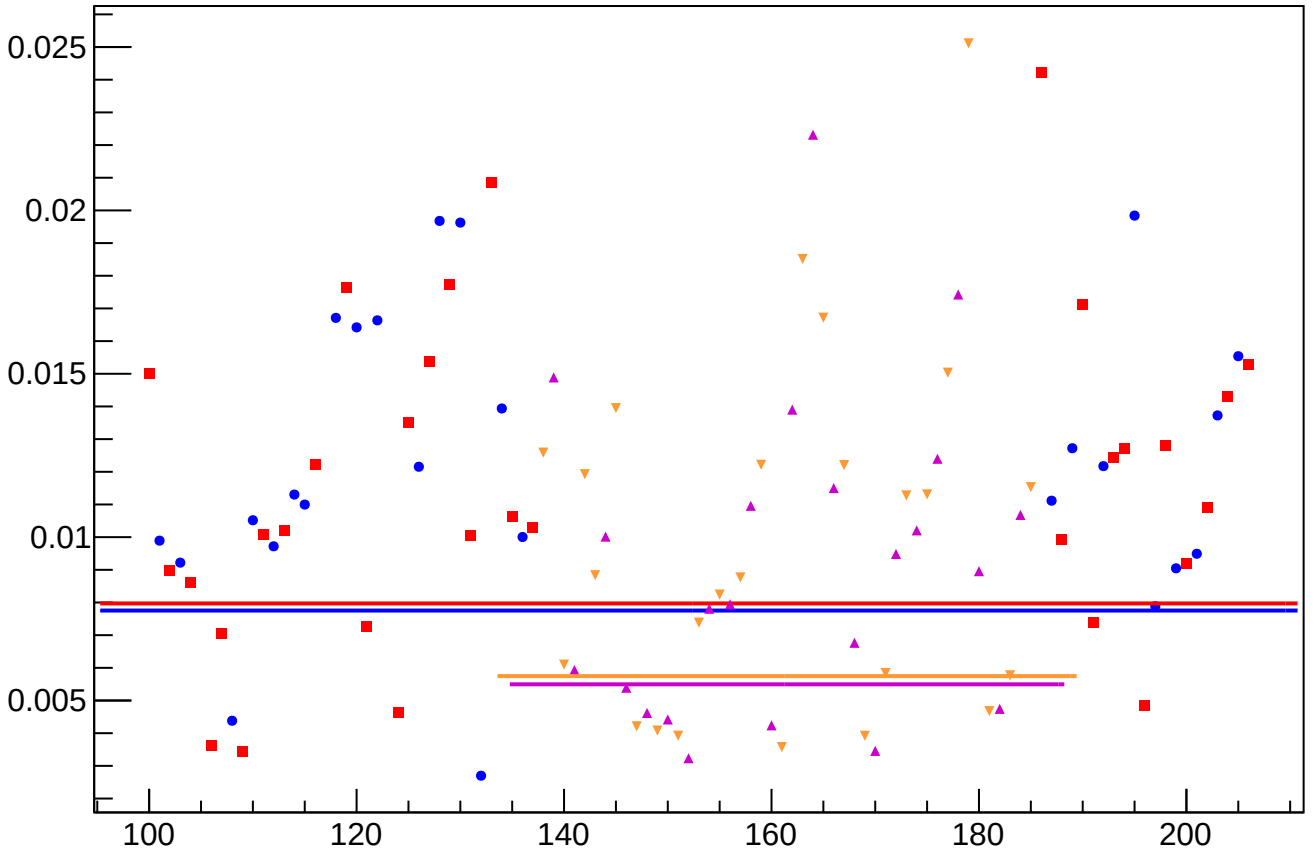
Right Out: -0.000+/-0.000 χ^2/NDF: 28.8/30

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.2/49

All: 0.000+/-0.000 χ^2/NDF: 131.5/103

- sign -0.000+/-0.000 χ^2/NDF: 62.0/53



Right In: 0.008+/-0.000 χ^2/NDF: 7003675.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:8128513.8/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6422510.5/30

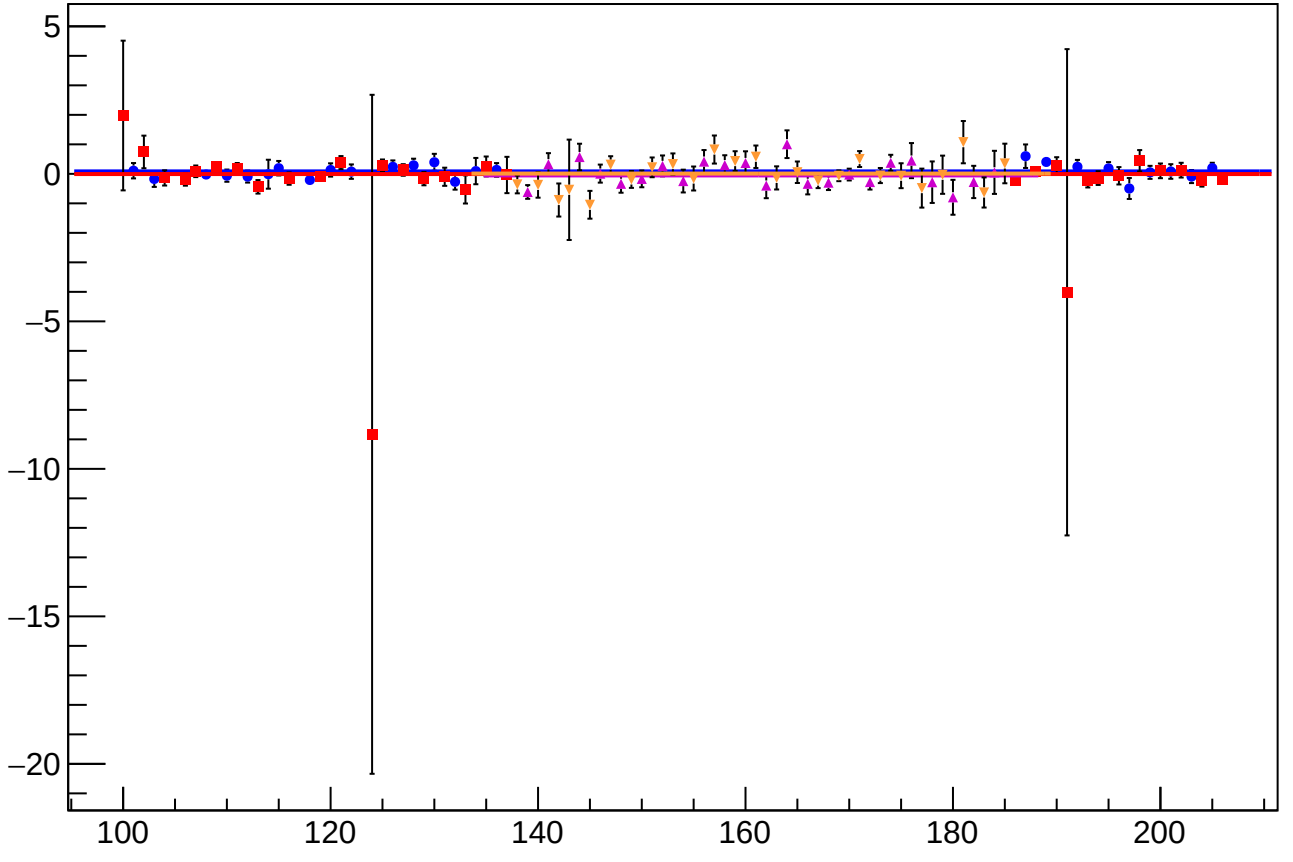
Left In: 0.005+/-0.000 χ^2/NDF:6937299.0/22

+ sign 0.006+/-0.000 χ^2/NDF: 16109152.1/49

All: 0.006+/-0.000 χ^2/NDF: 31129032.0/103

- sign 0.006+/-0.000 χ^2/NDF: 15018604.9/53

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

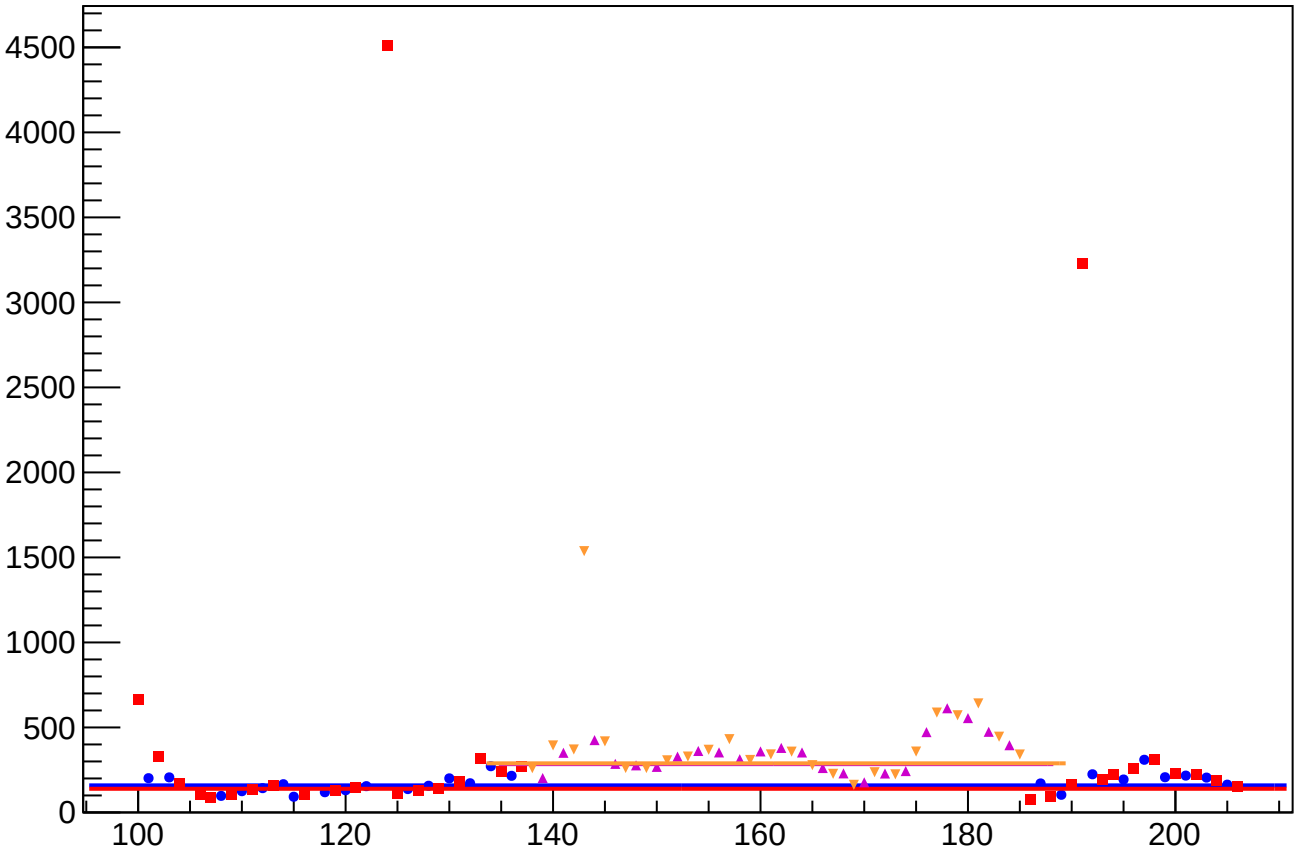
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.017+/-0.025 χ^2/NDF: 113.0/103

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

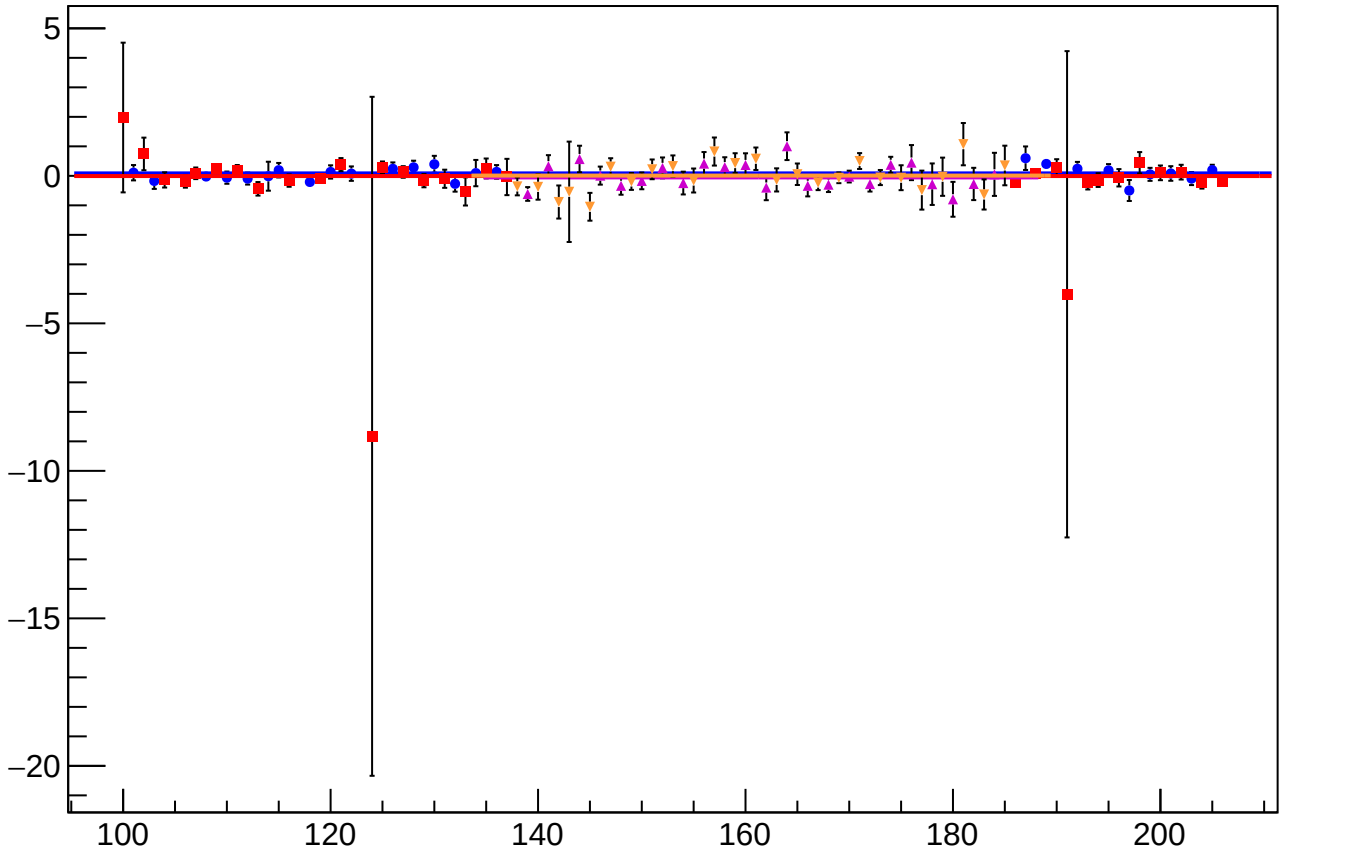
Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.930+/-0.027 χ^2/NDF: 11590069.0/49

All: 183.520+/-0.018 χ^2/NDF: 26285510.5/10

- sign 172.949+/-0.024 χ^2/NDF: 14255580.6/53



Right In: 0.083+/-0.045 χ^2/NDF: 20.8/24

Left Out: 0.009+/-0.071 χ^2/NDF:28.9/24

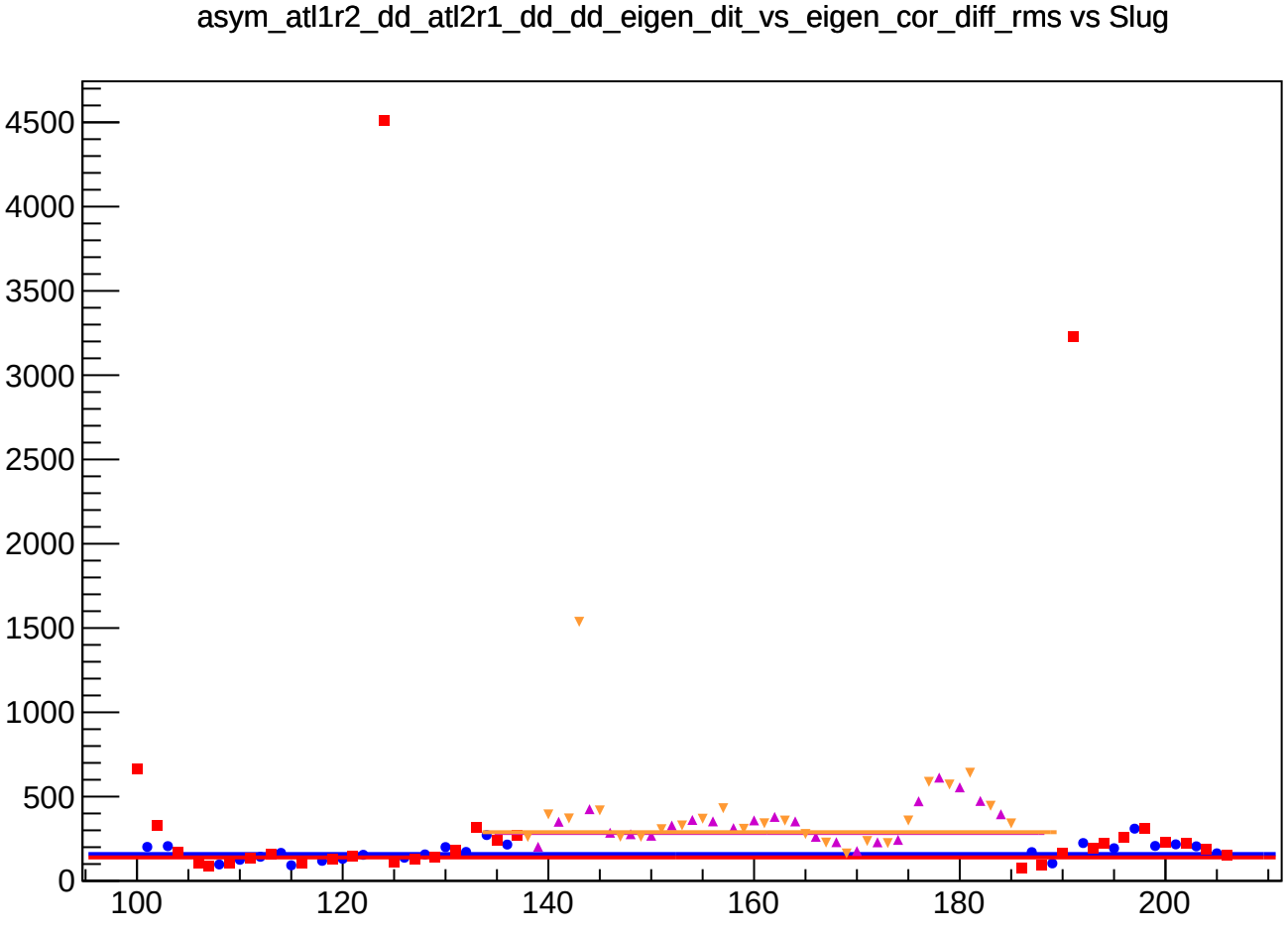
Right Out: -0.007+/-0.039 χ^2/NDF: 31.9/30

Left In: -0.053+/-0.070 χ^2/NDF:27.8/22

+ sign 0.062+/-0.038 χ^2/NDF: 50.5/49

All: 0.017+/-0.025 χ^2/NDF: 113.0/103

- sign -0.018+/-0.034 χ^2/NDF: 60.0/53



Right In: 159.372+/-0.032 χ^2/NDF: 2215913.7/24

Left Out: 288.922+/-0.050 χ^2/NDF:4648388.8/24

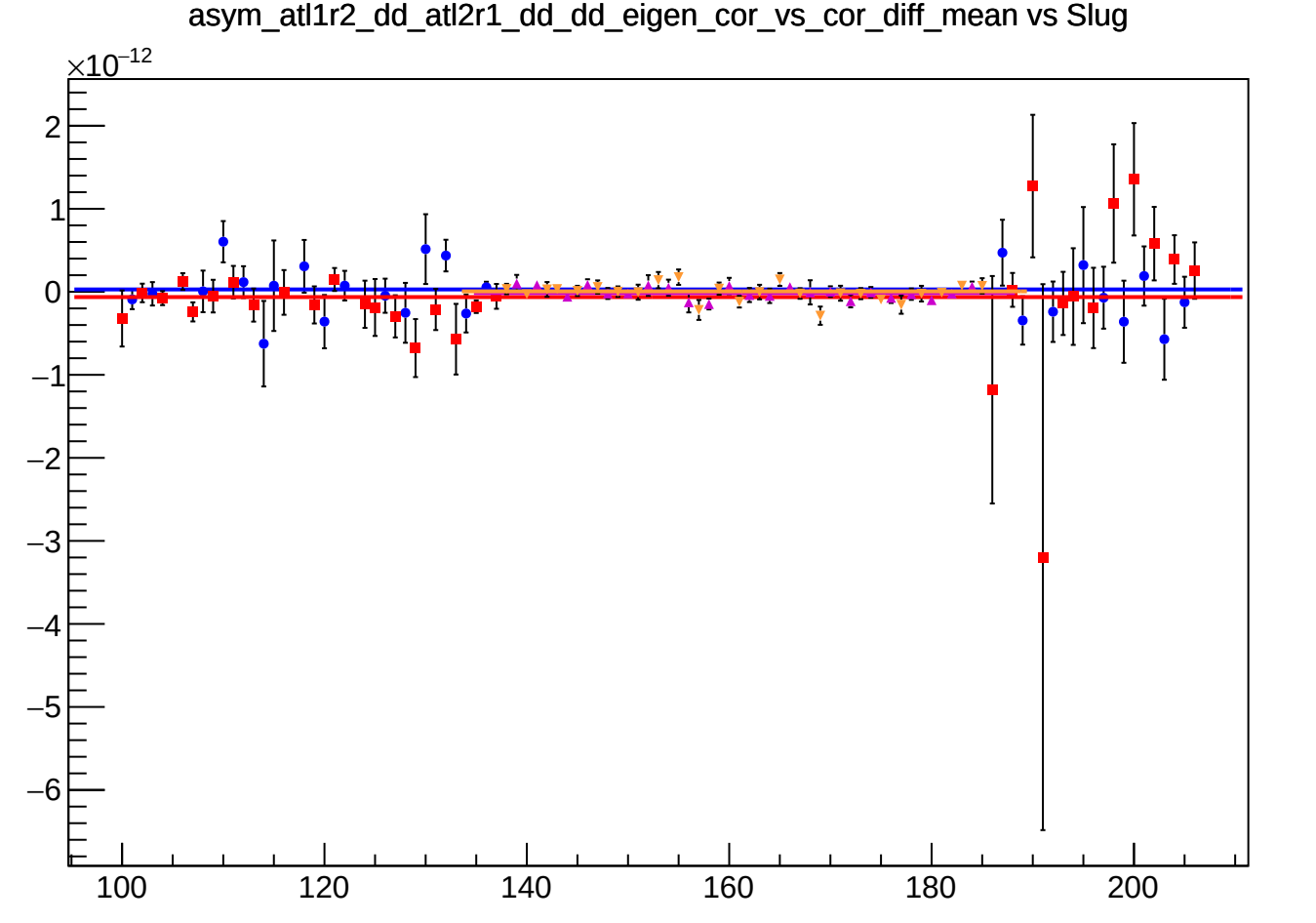
Right Out: 139.246+/-0.027 χ^2/NDF: 4674452.9/30

Left In: 284.170+/-0.050 χ^2/NDF:3077626.7/22

+ sign 196.930+/-0.027 χ^2/NDF: 11590069.0/49

All: 183.520+/-0.018 χ^2/NDF: 26285510.5/10

- sign 172.949+/-0.024 χ^2/NDF: 14255580.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 25.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.1/24

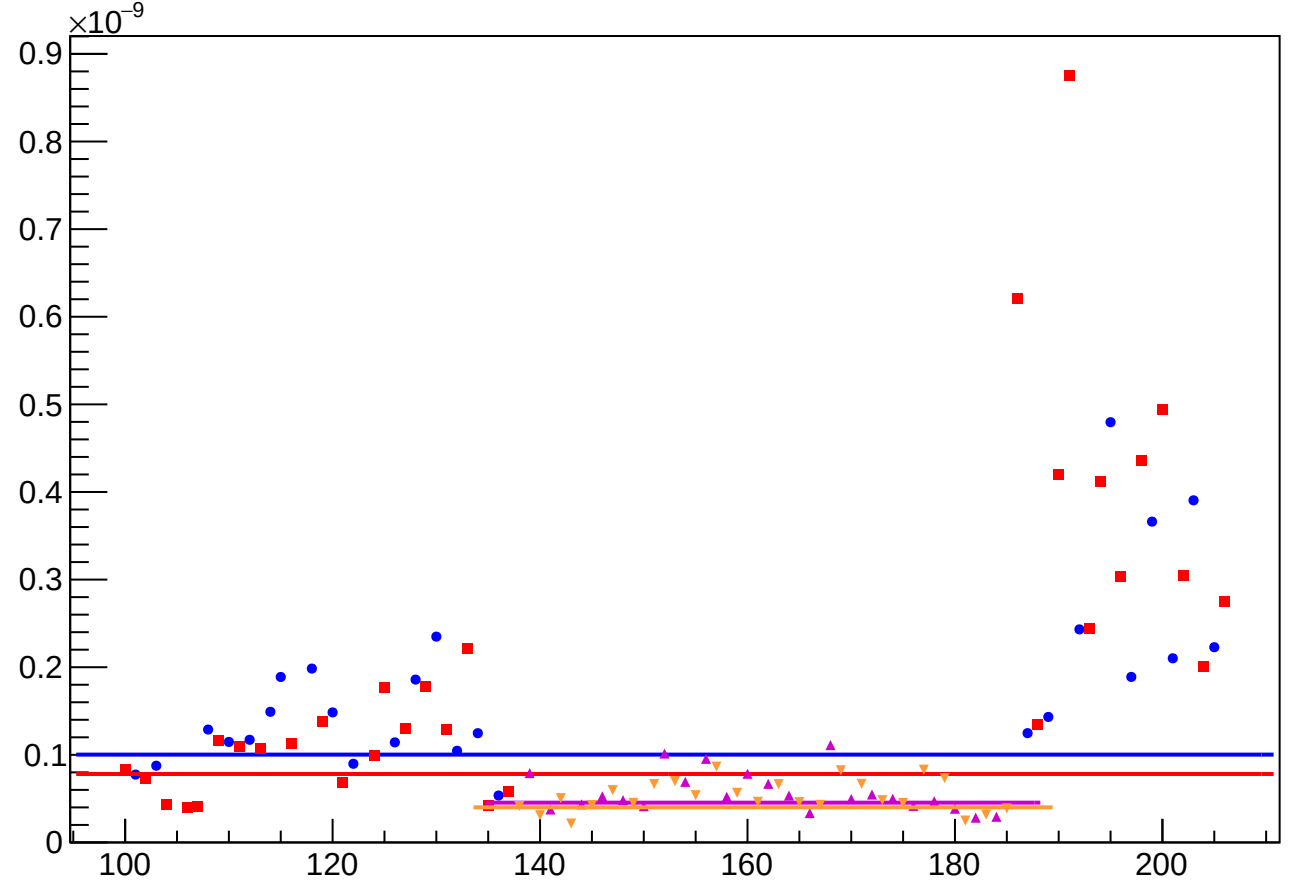
Right Out: -0.000+/-0.000 χ^2/NDF: 35.2/30

Left In: -0.000+/-0.000 χ^2/NDF:23.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 59.8/49

All: -0.000+/-0.000 χ^2/NDF: 123.0/103

- sign -0.000+/-0.000 χ^2/NDF: 60.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 4634871.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3609934.1/24

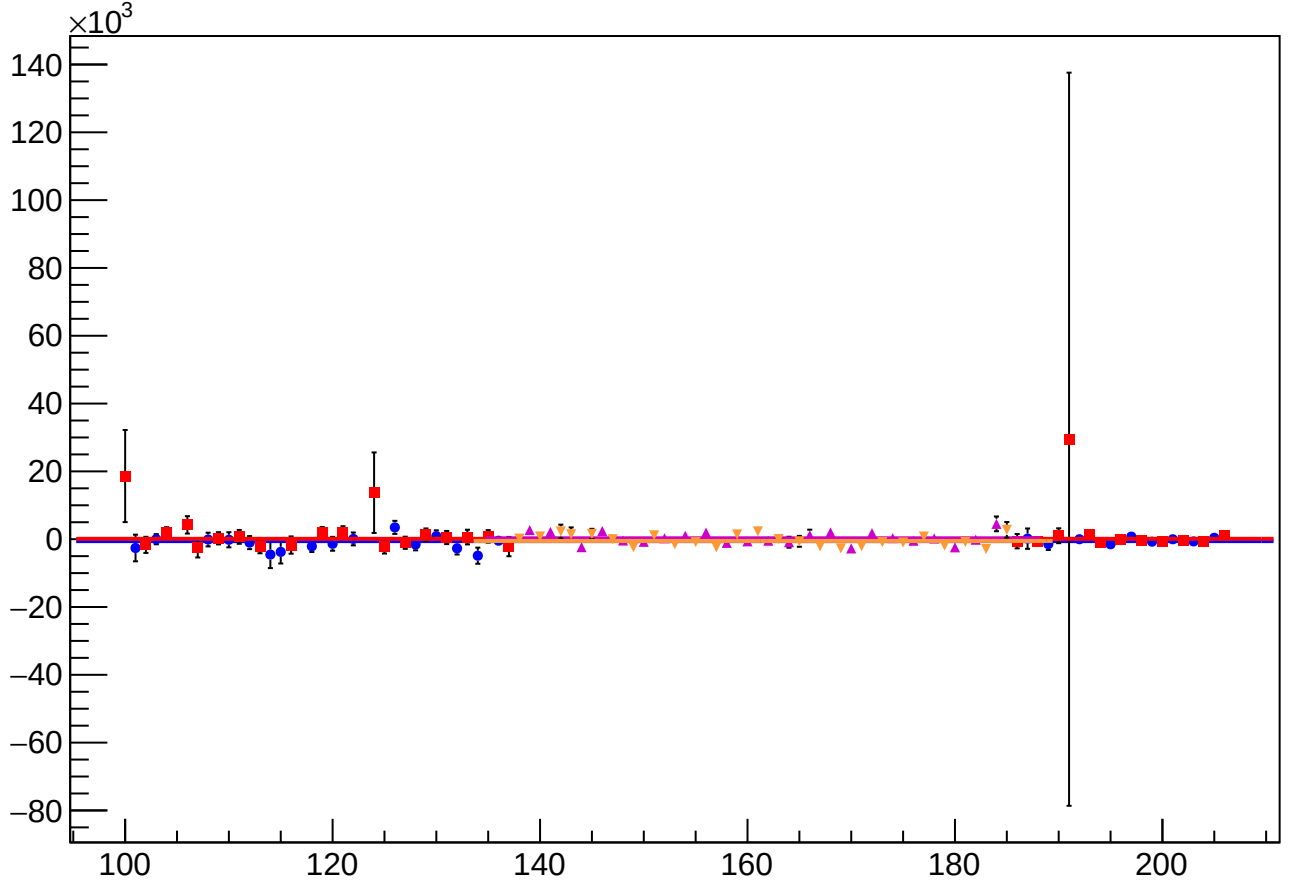
Right Out: 0.000+/-0.000 χ^2/NDF: 7622623.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2780344.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 12283706.2/49

All: 0.000+/-0.000 χ^2/NDF: 24546487.9/103

- sign 0.000+/-0.000 χ^2/NDF: 12090467.6/53



Right In: -567.728+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.484+/-285.945 χ^2/NDF:30.9/24

Right Out: 106.976+/-322.543 χ^2/NDF: 19.6/30

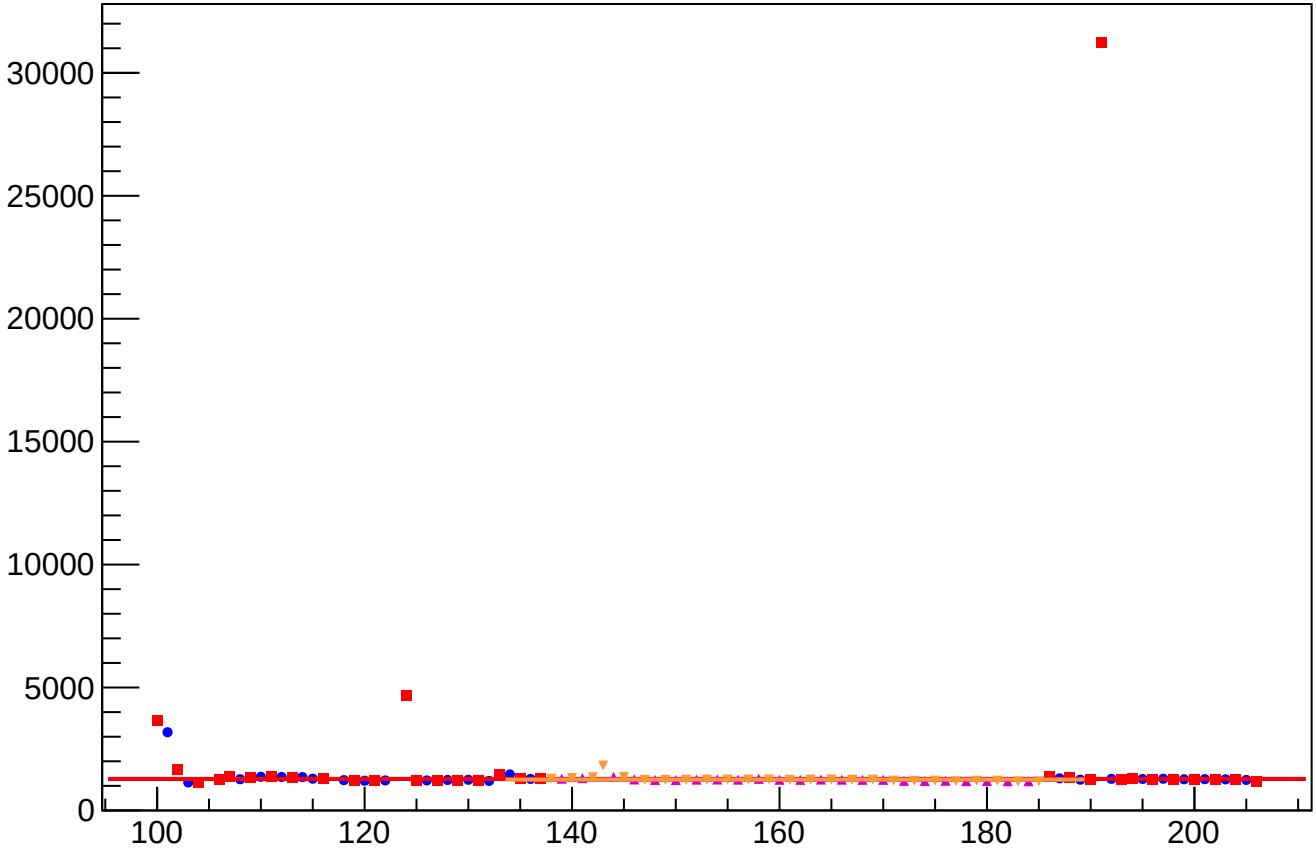
Left In: 242.686+/-291.166 χ^2/NDF:32.0/22

+ sign -536.250+/-219.862 χ^2/NDF: 47.1/49

All: -171.103+/-154.129 χ^2/NDF: 104.3/103

- sign 181.751+/-216.130 χ^2/NDF: 51.8/53

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1278.563+/-0.243 χ^2/NDF: 521314.4/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.1/24

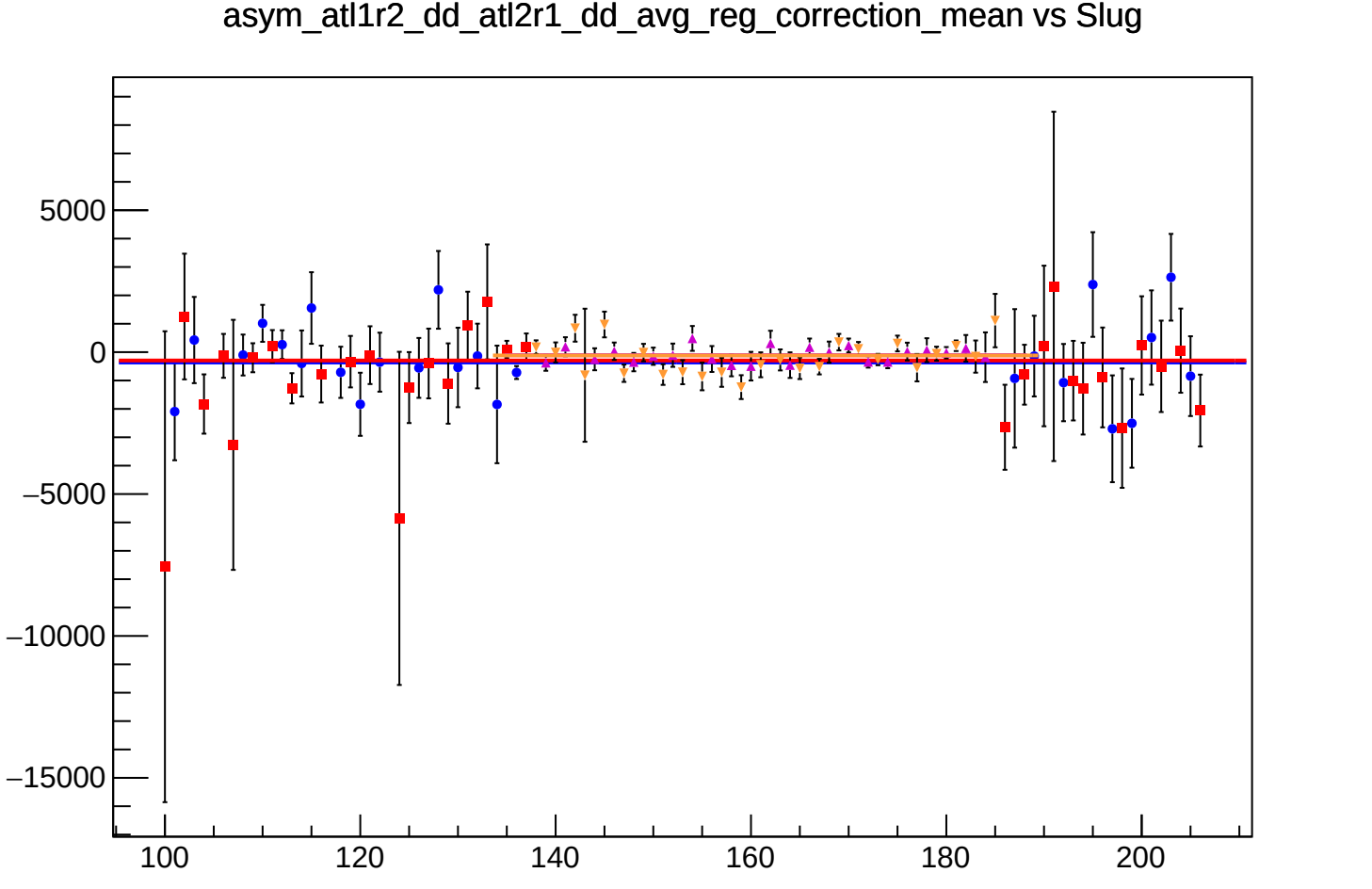
Right Out: 1283.190+/-0.228 χ^2/NDF: 507237.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.936+/-0.155 χ^2/NDF: 729750.9/49

All: 1263.898+/-0.109 χ^2/NDF: 1291305.9/10

- sign 1262.894+/-0.153 χ^2/NDF: 561467.2/53



Right In: -364.720+/-160.478 χ^2/NDF: 28.4/24

Left Out: -117.028+/-65.059 χ^2/NDF:48.4/24

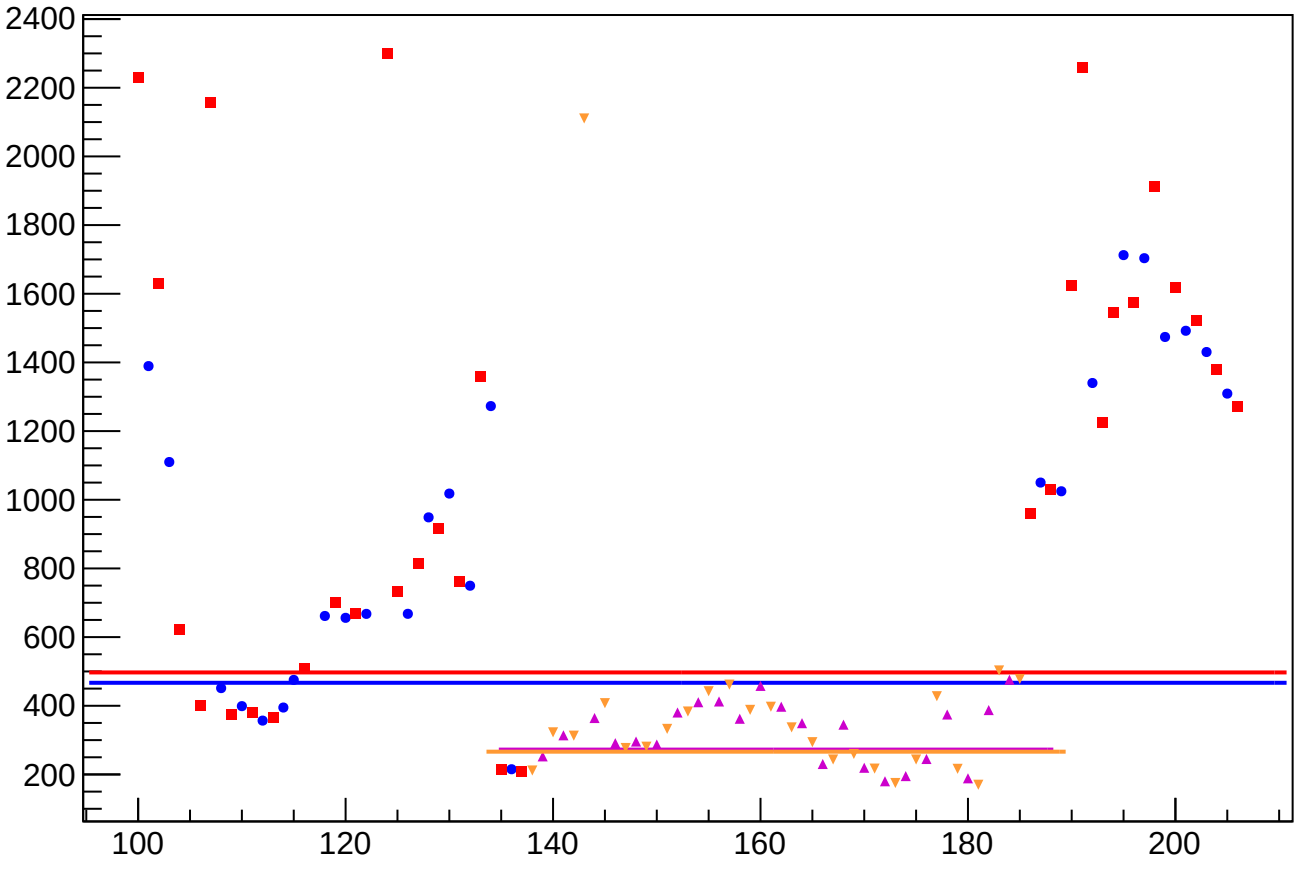
Right Out: -294.835+/-159.092 χ^2/NDF: 22.1/30

Left In: -107.341+/-67.001 χ^2/NDF:13.7/22

+ sign -151.991+/-60.293 χ^2/NDF: 78.9/49

All: -143.984+/-43.139 χ^2/NDF: 115.9/103

- sign -135.586+/-61.748 χ^2/NDF: 37.0/53



Right In: 466.957+/-0.113 χ^2/NDF: 10890119.7/24

Left Out: 266.321+/-0.046 χ^2/NDF:4630130.4/24

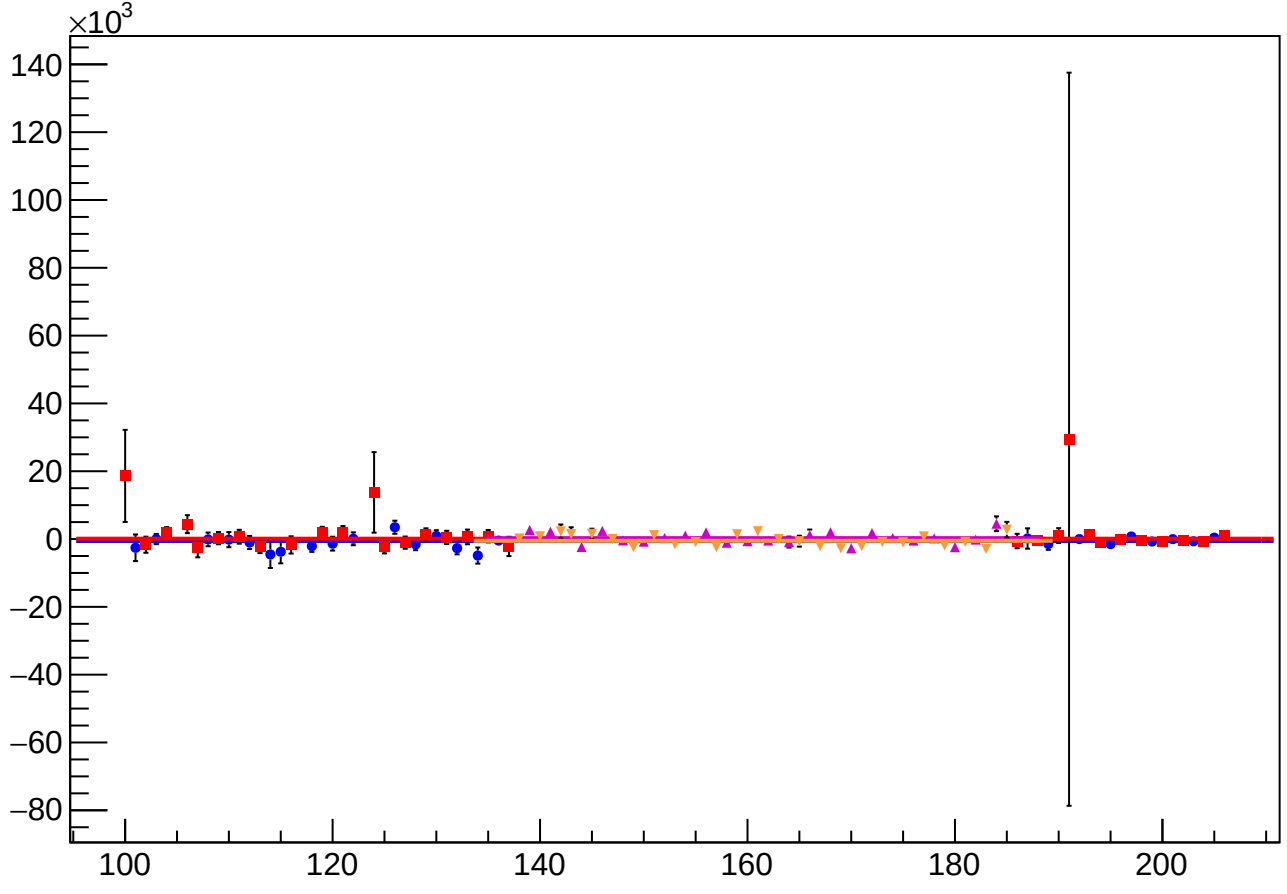
Right Out: 497.098+/-0.112 χ^2/NDF: 12280216.6/30

Left In: 272.368+/-0.047 χ^2/NDF:2887823.5/22

+ sign 294.642+/-0.043 χ^2/NDF: 18205185.9/49

All: 300.294+/-0.031 χ^2/NDF: 36798819.6/10

- sign 306.222+/-0.044 χ^2/NDF: 18557621.8/53



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 105.587+/-322.696 χ^2/NDF: 19.7/30

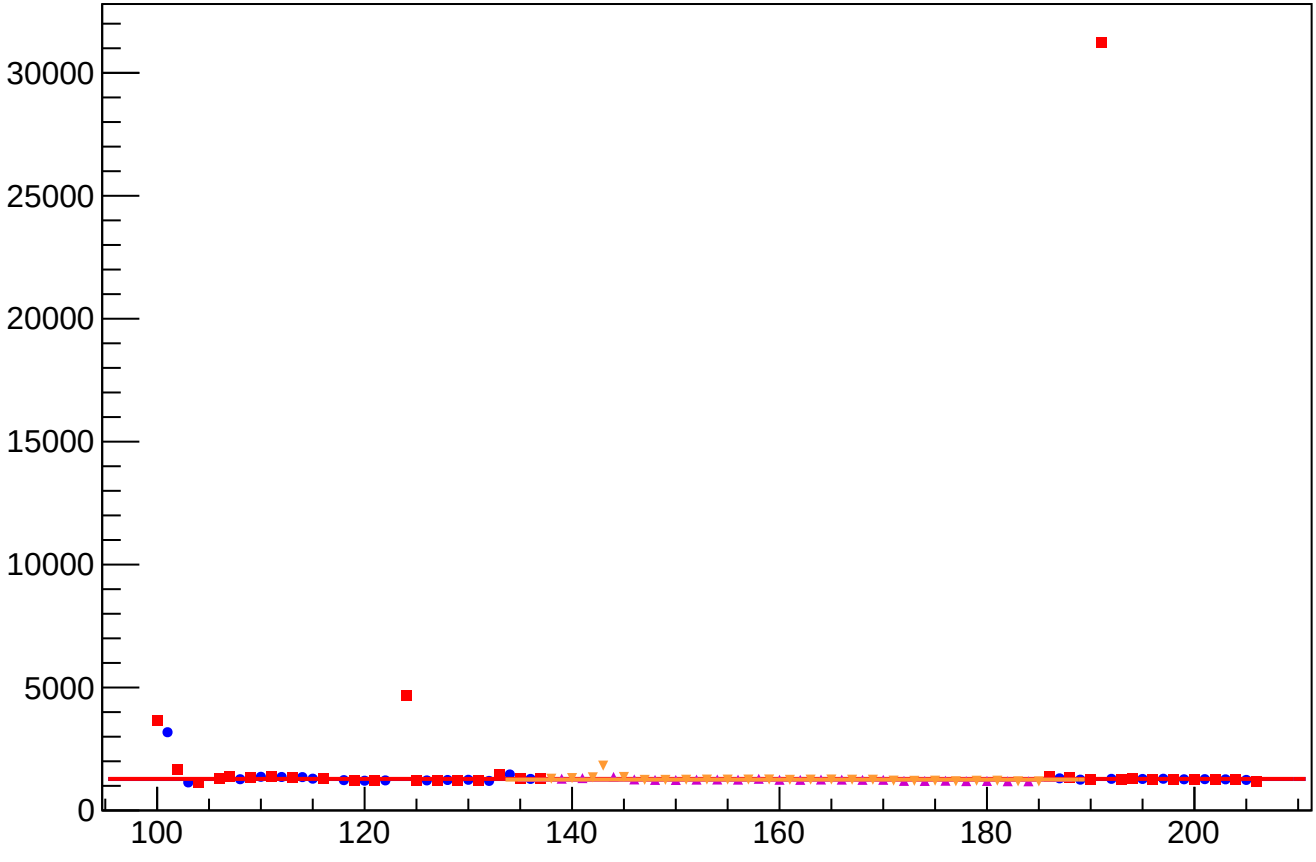
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -536.151+/-219.862 χ^2/NDF: 47.1/49

All: -171.438+/-154.146 χ^2/NDF: 104.4/103

- sign 181.147+/-216.176 χ^2/NDF: 51.8/53

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

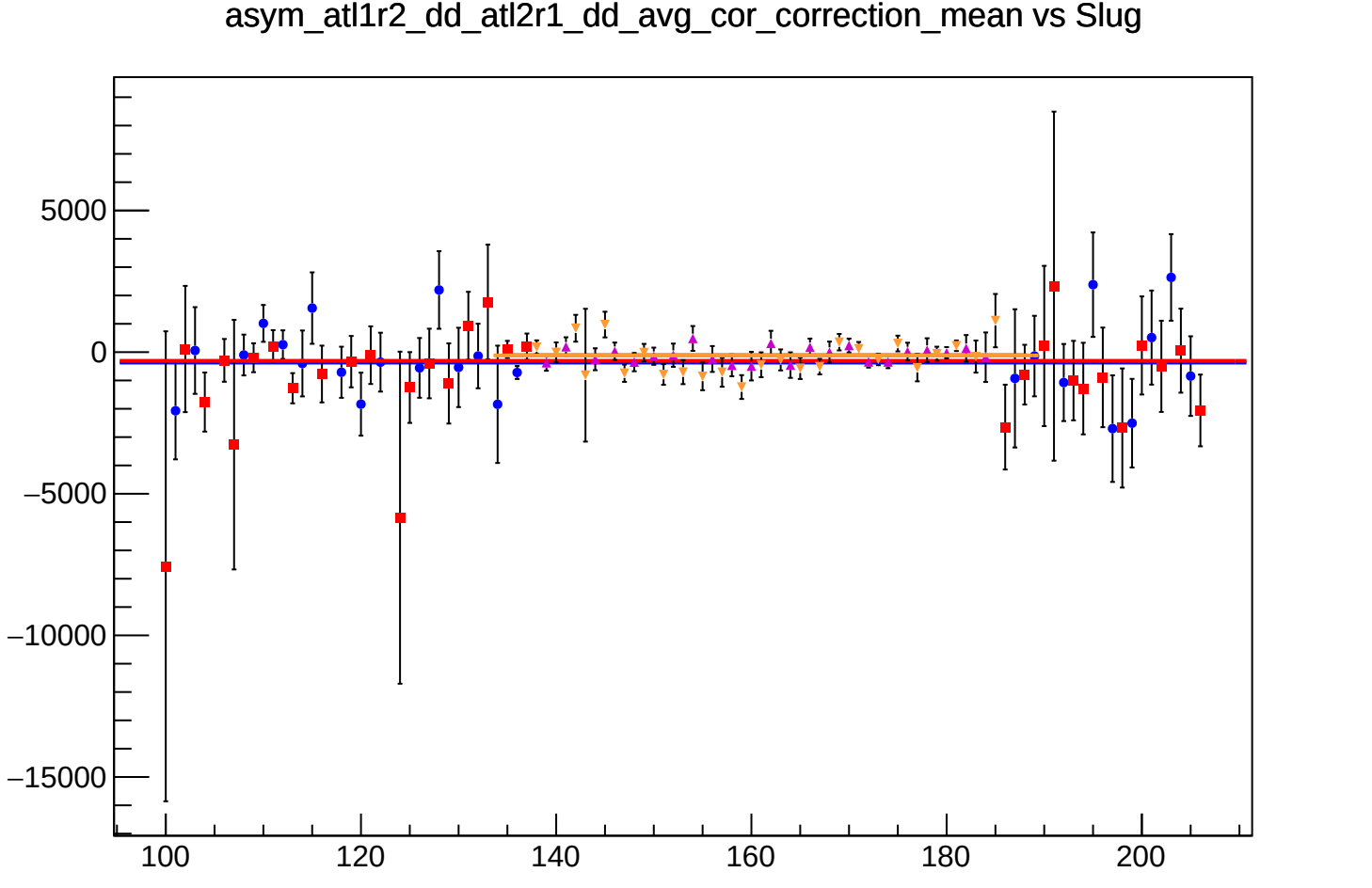
Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.936+/-0.155 χ^2/NDF: 729752.2/49

All: 1264.037+/-0.109 χ^2/NDF: 1291762.9/10

- sign 1263.166+/-0.153 χ^2/NDF: 561944.7/53



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

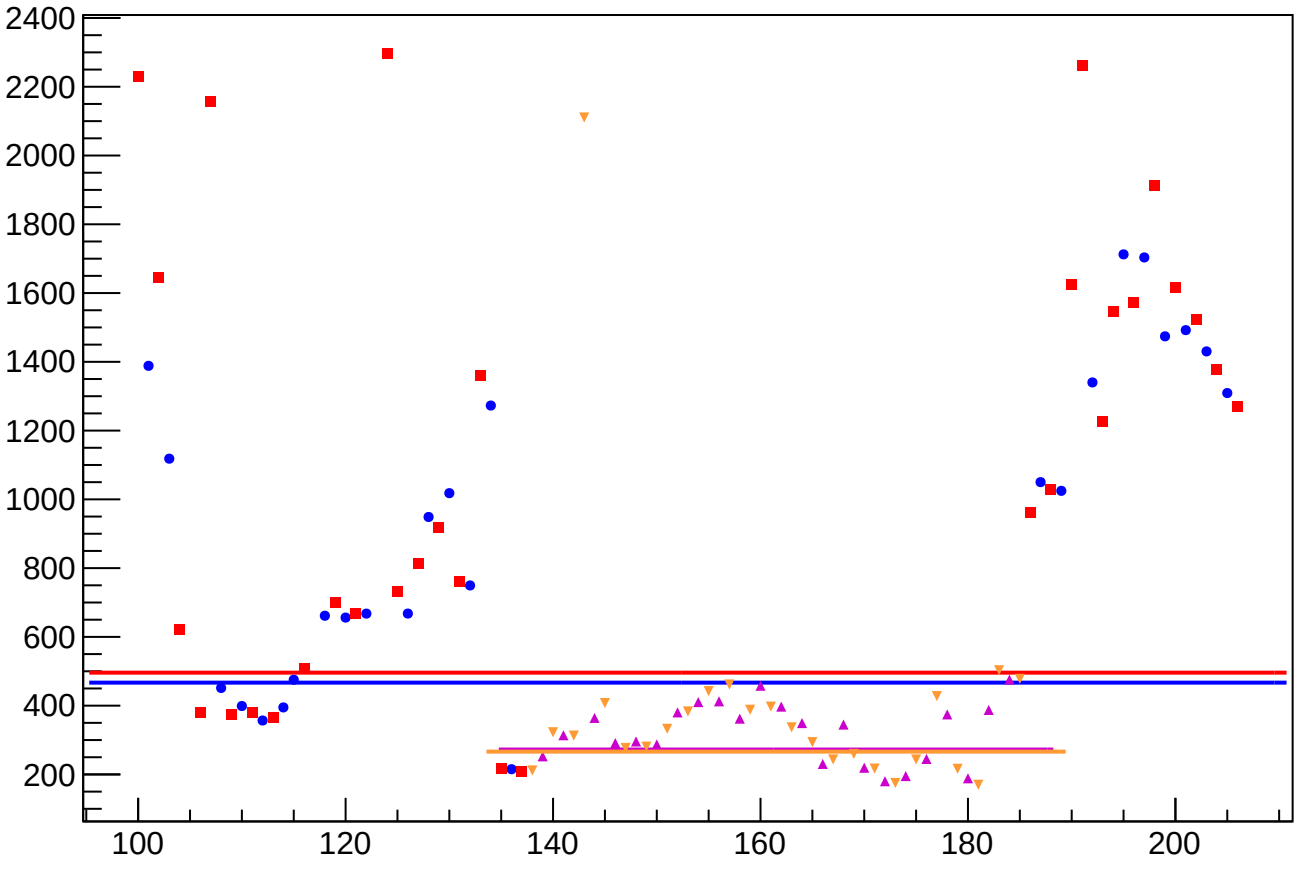
Right Out: -306.237+/-158.929 χ^2/NDF: 21.4/30

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

+ sign -152.536+/-60.295 χ^2/NDF: 78.7/49

All: -145.175+/-43.137 χ^2/NDF: 115.2/103

- sign -137.458+/-61.740 χ^2/NDF: 36.4/53



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

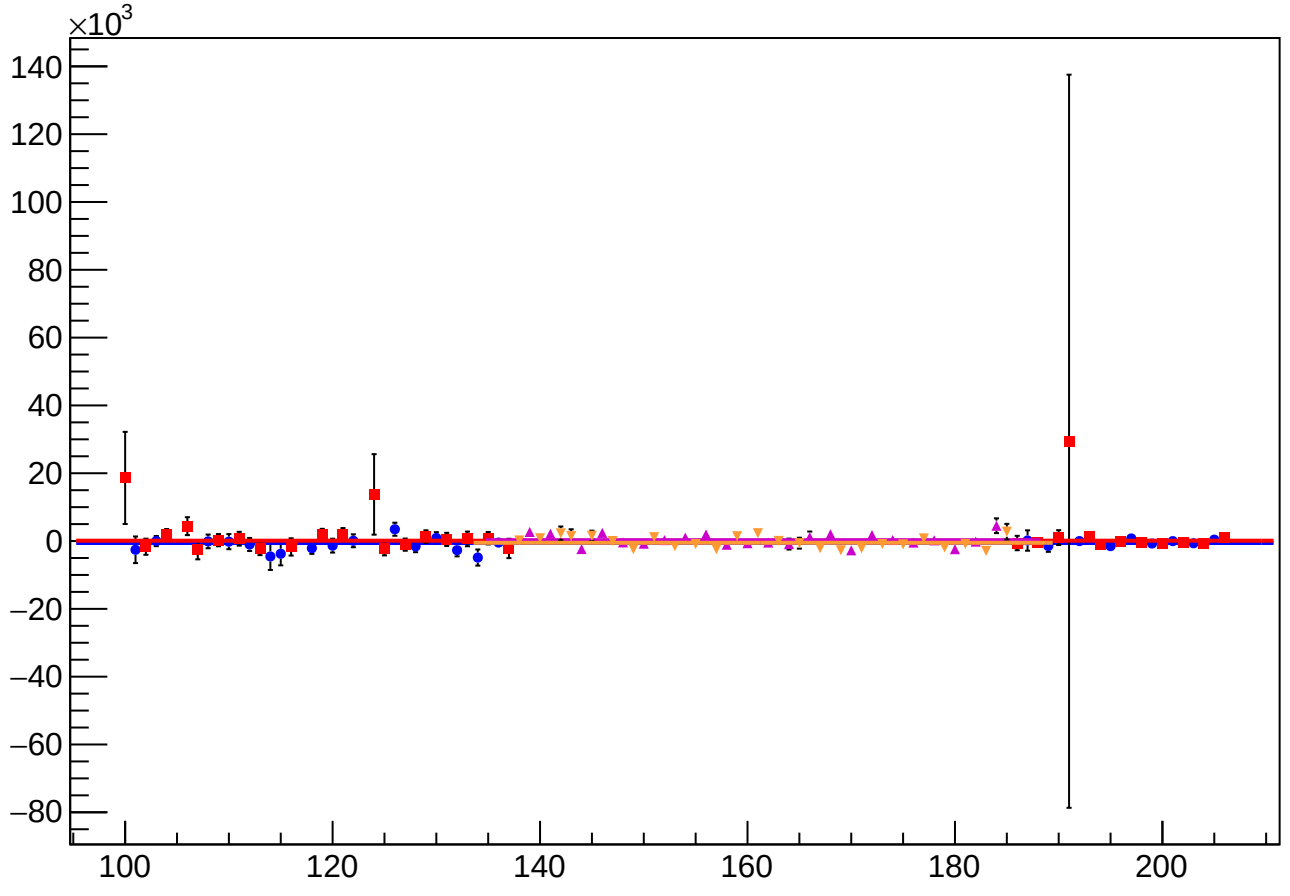
Right Out: 496.037+/-0.112 χ^2/NDF: 12302824.5/30

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 294.644+/-0.043 χ^2/NDF: 18207987.3/49

All: 300.251+/-0.031 χ^2/NDF: 36797046.9/10

- sign 306.131+/-0.044 χ^2/NDF: 18553622.3/53



Right In: -567.565+/-343.871 χ^2/NDF: 16.2/24

Left Out: -514.430+/-285.945 χ^2/NDF:30.9/24

Right Out: 105.587+/-322.696 χ^2/NDF: 19.7/30

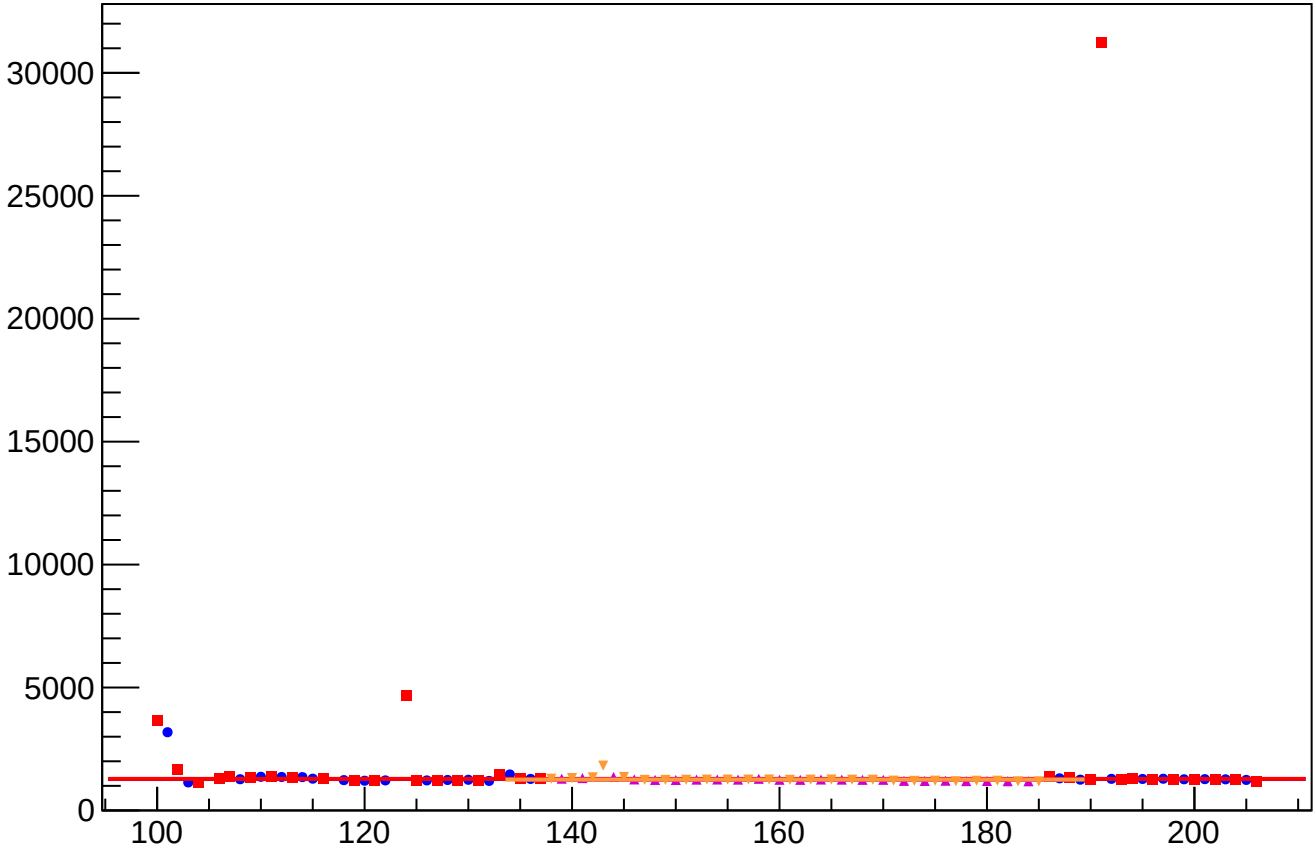
Left In: 242.663+/-291.166 χ^2/NDF:32.0/22

+ sign -536.151+/-219.862 χ^2/NDF: 47.1/49

All: -171.438+/-154.146 χ^2/NDF: 104.4/103

- sign 181.147+/-216.176 χ^2/NDF: 51.8/53

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1278.563+/-0.243 χ^2/NDF: 521315.8/24

Left Out: 1255.514+/-0.202 χ^2/NDF:203124.0/24

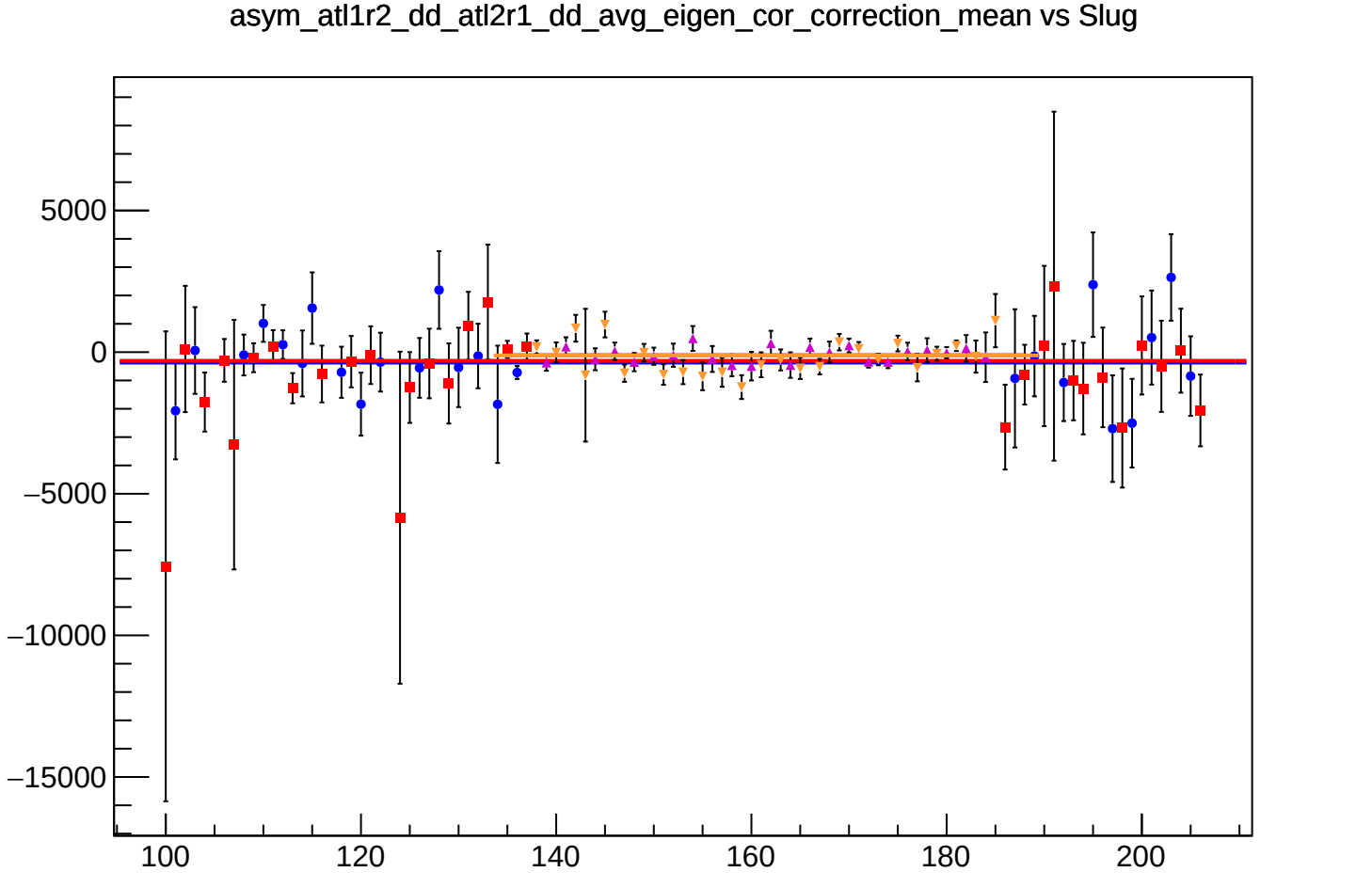
Right Out: 1283.817+/-0.228 χ^2/NDF: 507229.7/30

Left In: 1246.355+/-0.206 χ^2/NDF:39857.0/22

+ sign 1264.936+/-0.155 χ^2/NDF: 729752.2/49

All: 1264.037+/-0.109 χ^2/NDF: 1291762.9/10

- sign 1263.166+/-0.153 χ^2/NDF: 561944.7/53



Right In: -368.773+/-160.495 χ^2/NDF: 28.2/24

Left Out: -117.002+/-65.060 χ^2/NDF:48.4/24

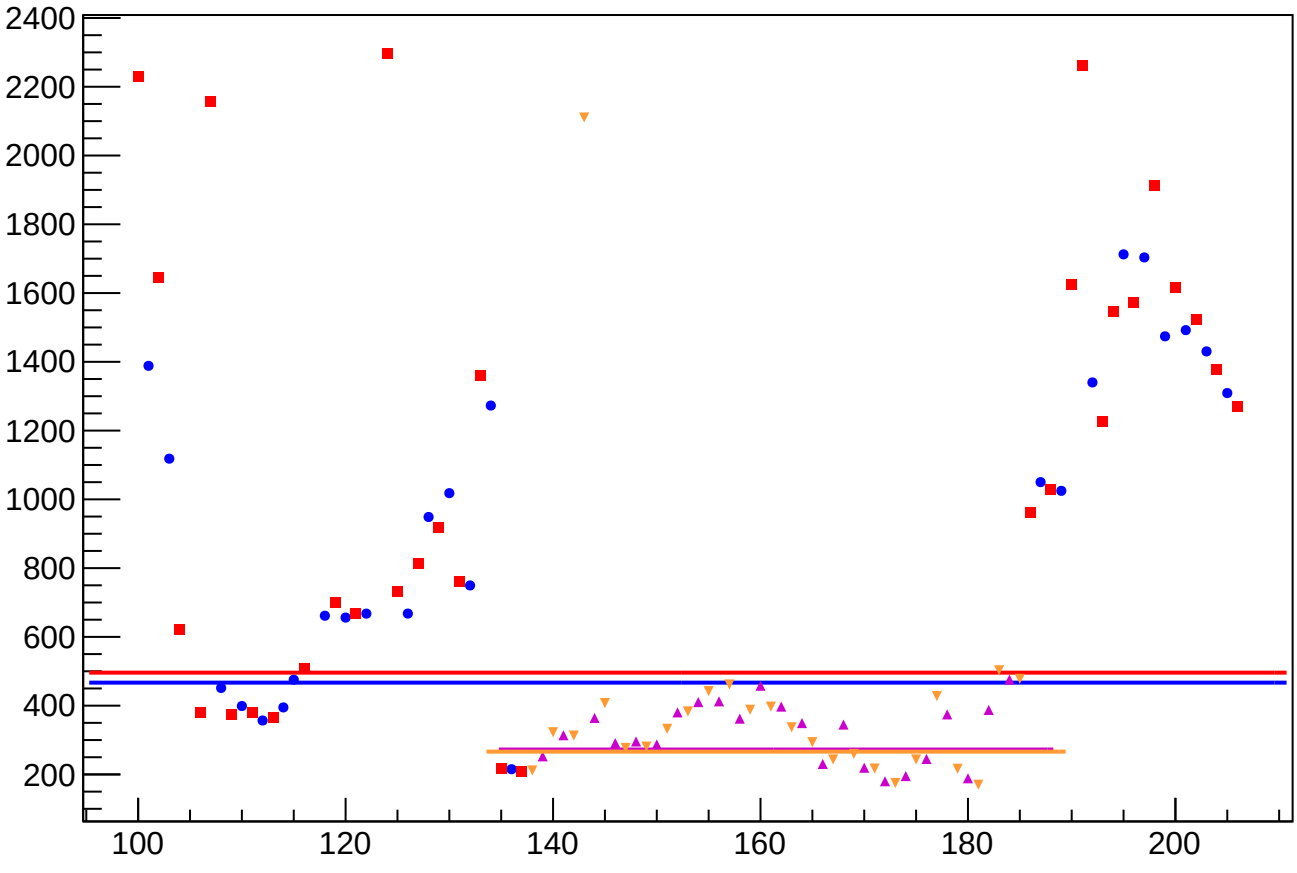
Right Out: -306.237+/-158.929 χ^2/NDF: 21.4/30

Left In: -107.459+/-67.003 χ^2/NDF:13.7/22

\+ sign -152.536+/-60.295 χ^2/NDF: 78.7/49

All: -145.175+/-43.137 χ^2/NDF: 115.2/103

\- sign -137.458+/-61.740 χ^2/NDF: 36.4/53



Right In: 466.969+/-0.113 χ^2/NDF: 10893239.8/24

Left Out: 266.326+/-0.046 χ^2/NDF:4630167.4/24

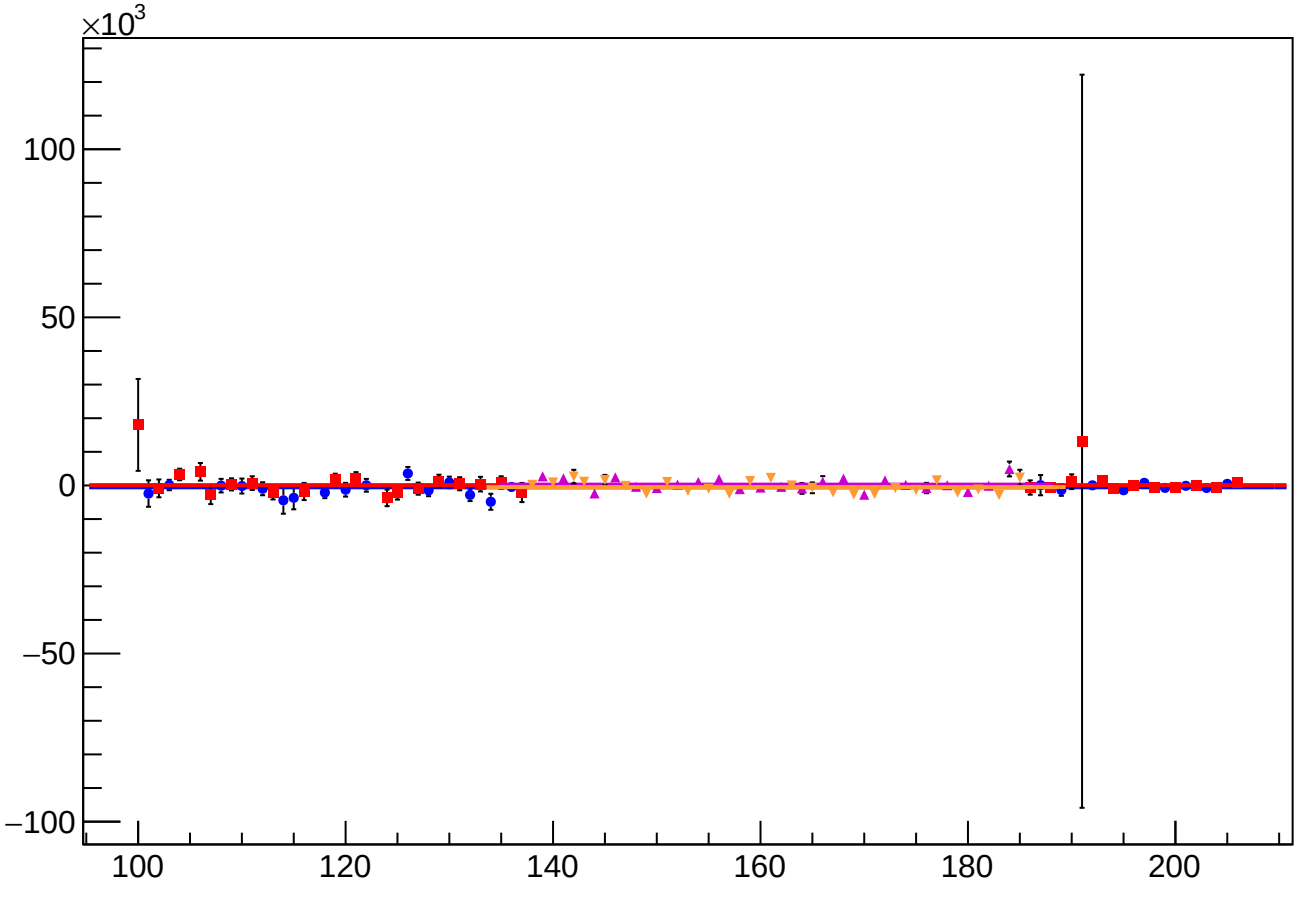
Right Out: 496.037+/-0.112 χ^2/NDF: 12302824.5/30

Left In: 272.378+/-0.047 χ^2/NDF:2887597.1/22

+ sign 294.644+/-0.043 χ^2/NDF: 18207987.3/49

All: 300.251+/-0.031 χ^2/NDF: 36797046.9/10

- sign 306.131+/-0.044 χ^2/NDF: 18553622.3/53



Right In: -549.440+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.436+/-282.734 χ^2/NDF:34.2/24

Right Out: 91.096+/-321.978 χ^2/NDF: 21.3/30

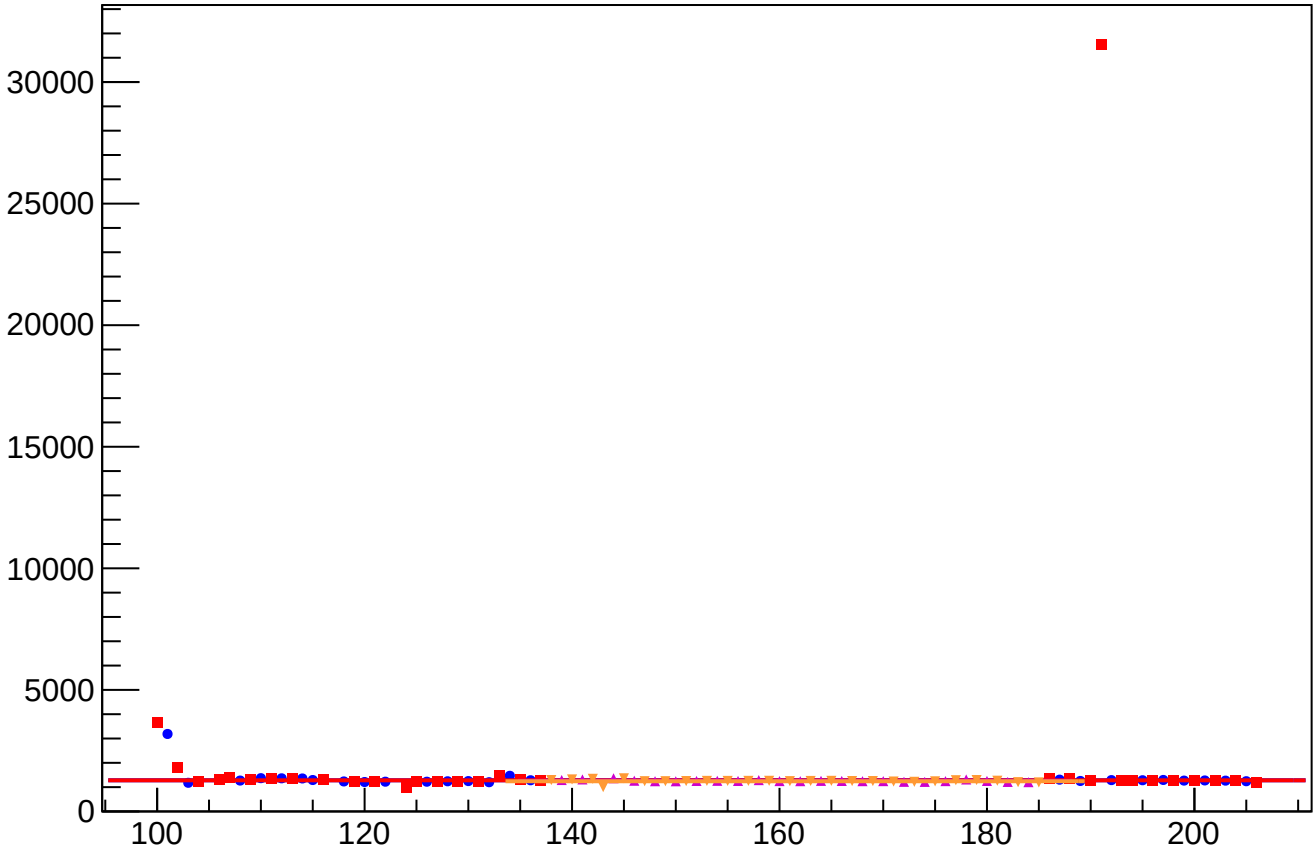
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -515.935+/-218.686 χ^2/NDF: 50.5/49

All: -169.036+/-154.122 χ^2/NDF: 107.7/103

- sign 173.304+/-217.244 χ^2/NDF: 52.1/53

dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1282.958+/-0.244 χ^2/NDF: 513246.0/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130023.1/24

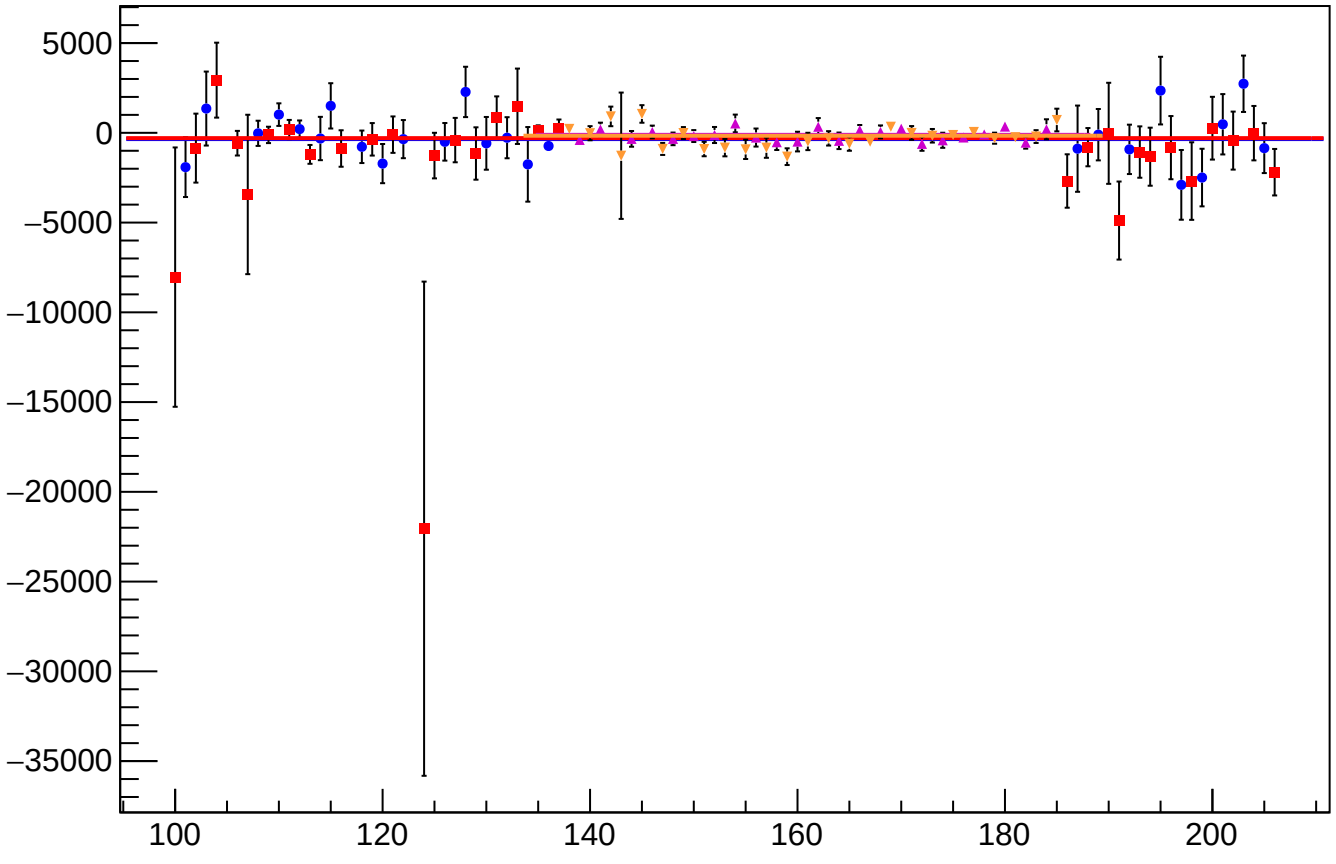
Right Out: 1281.036+/-0.228 χ^2/NDF: 387538.7/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.1/22

+ sign 1258.777+/-0.155 χ^2/NDF: 659689.9/49

All: 1264.238+/-0.109 χ^2/NDF: 1082247.6/10

- sign 1269.627+/-0.154 χ^2/NDF: 420079.8/53



Right In: -347.914+/-162.186 χ^2/NDF: 28.5/24

Left Out: -160.930+/-64.133 χ^2/NDF:43.8/24

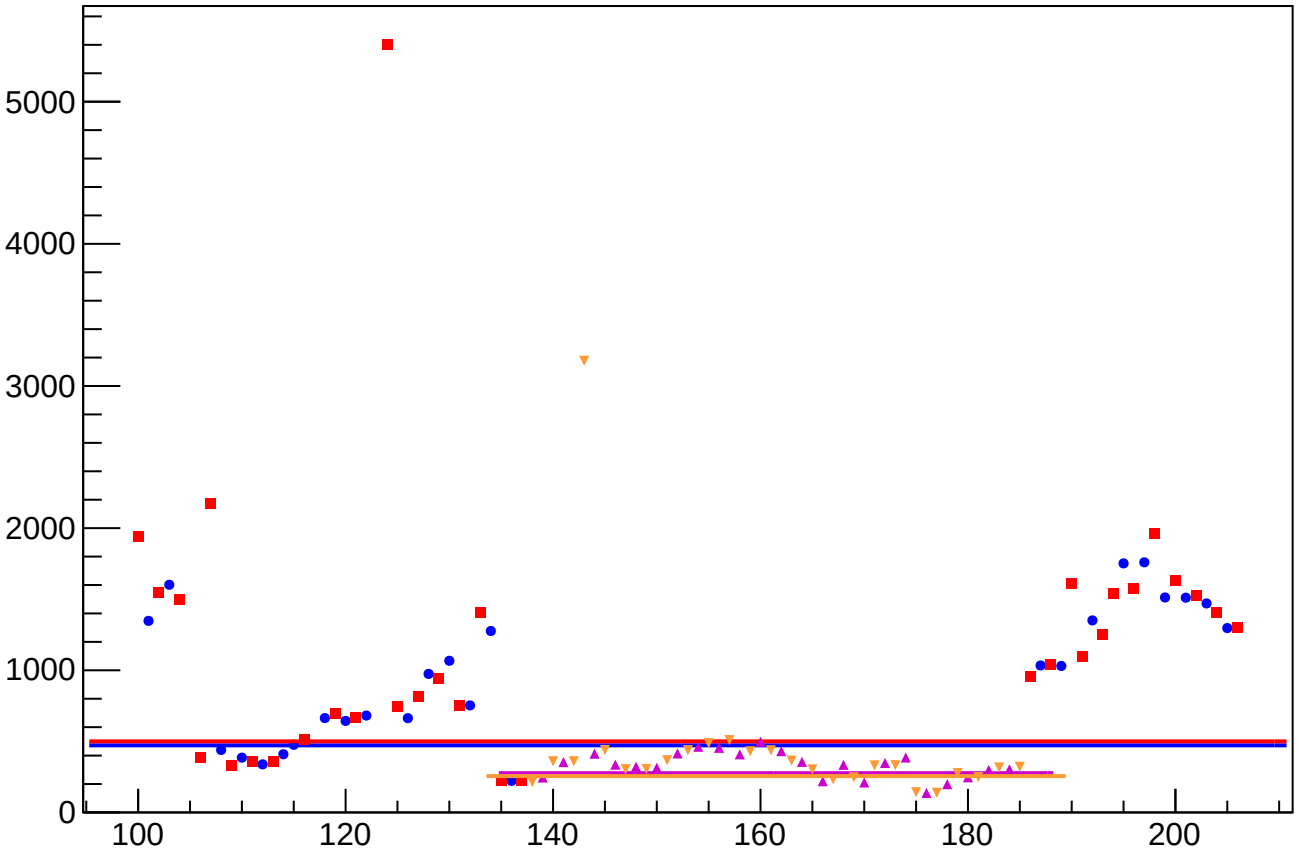
Right Out: -296.054+/-158.992 χ^2/NDF: 28.1/30

Left In: -113.722+/-68.841 χ^2/NDF:18.2/22

+ sign -186.213+/-59.639 χ^2/NDF: 73.4/49

All: -165.617+/-43.367 χ^2/NDF: 121.0/103

- sign -142.507+/-63.173 χ^2/NDF: 47.4/53



Right In: 472.069+/-0.115 χ^2/NDF: 11037924.1/24

Left Out: 255.768+/-0.045 χ^2/NDF:6373929.4/24

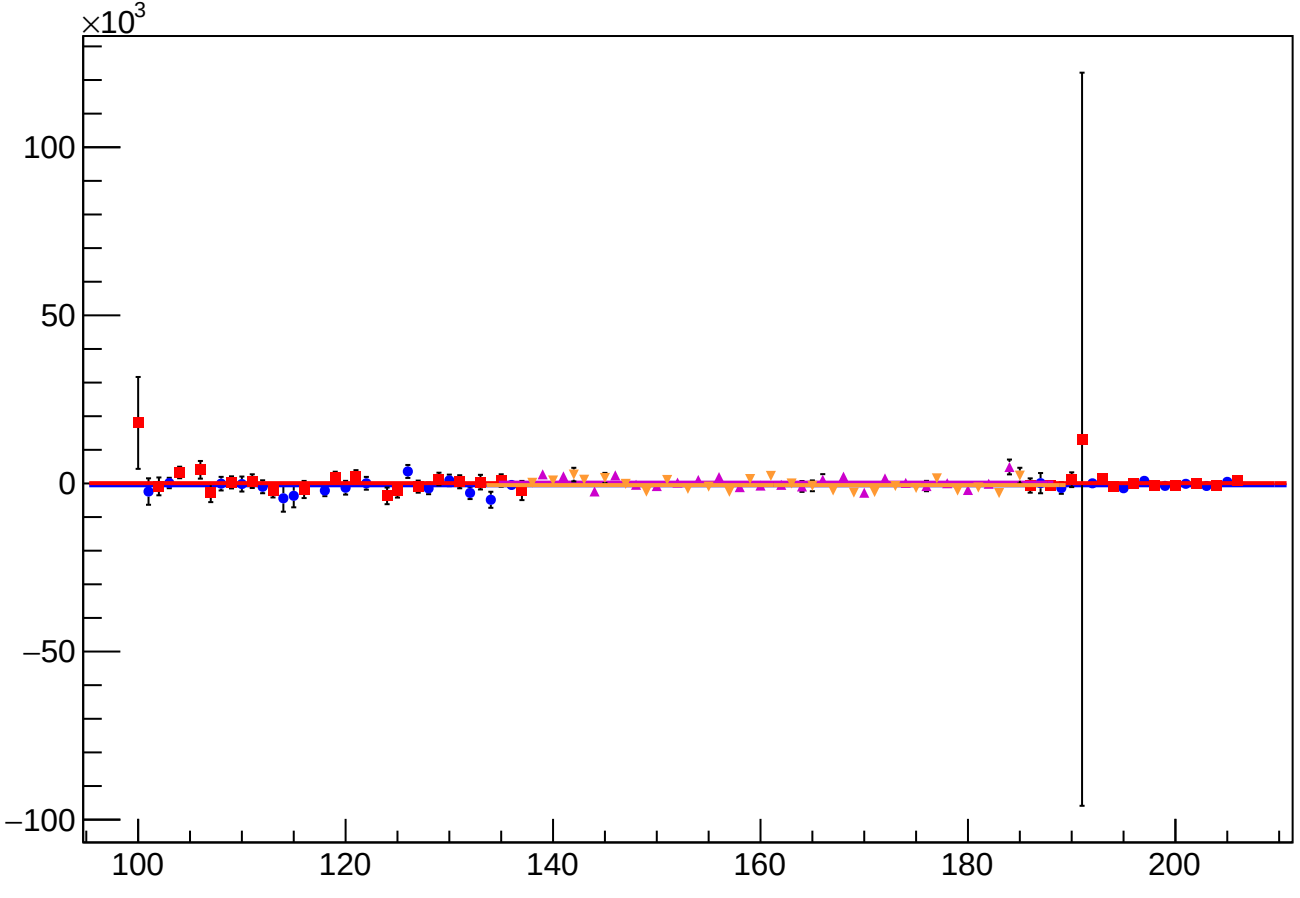
Right Out: 500.158+/-0.112 χ^2/NDF: 12831318.7/30

Left In: 276.298+/-0.049 χ^2/NDF:4027410.5/22

+ sign 285.016+/-0.042 χ^2/NDF: 20488115.0/49

All: 297.563+/-0.031 χ^2/NDF: 40873617.1/10

- sign 311.640+/-0.045 χ^2/NDF: 20197667.3/53



Right In: -549.442+/-345.022 χ^2/NDF: 16.3/24

Left Out: -493.435+/-282.734 χ^2/NDF:34.2/24

Right Out: 91.096+/-321.977 χ^2/NDF: 21.3/30

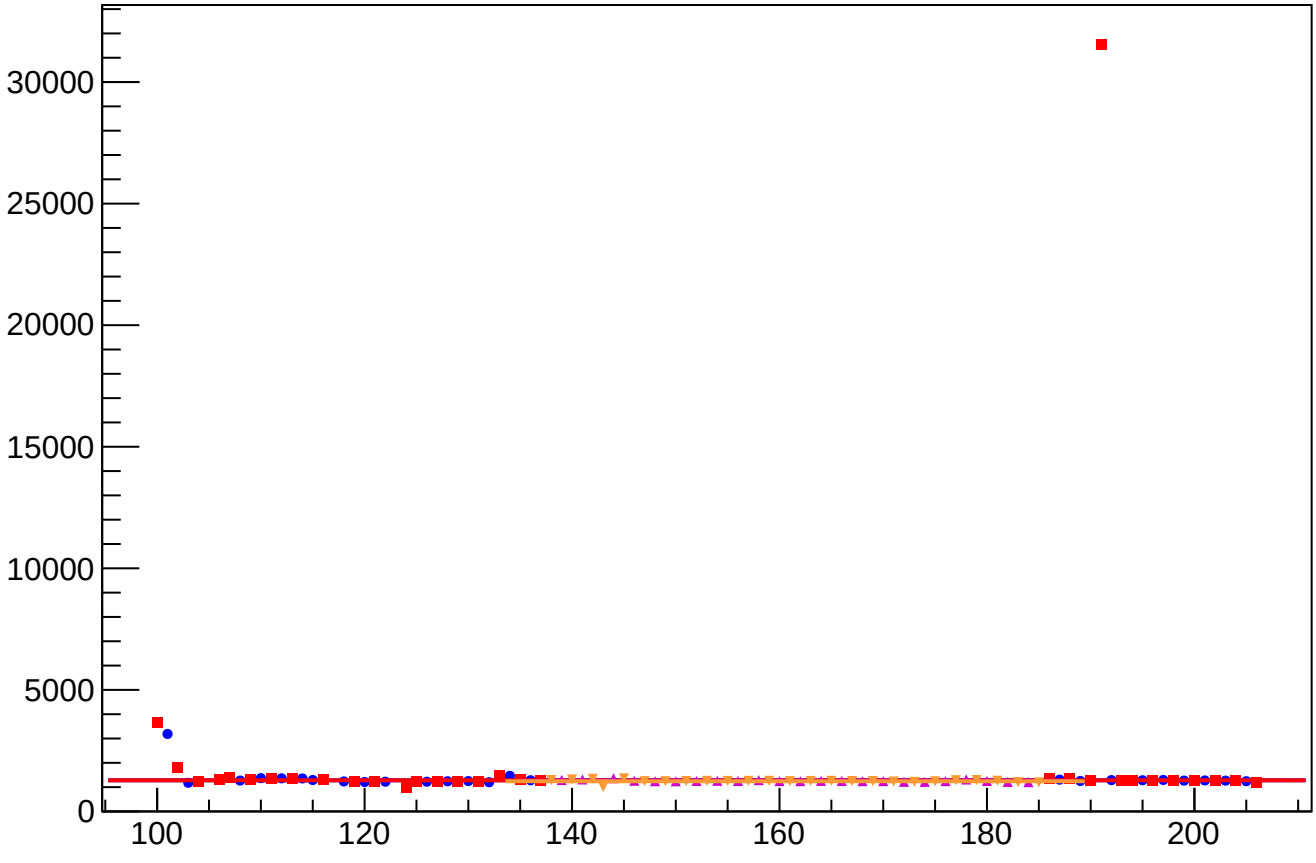
Left In: 242.004+/-294.339 χ^2/NDF:30.7/22

+ sign -515.936+/-218.686 χ^2/NDF: 50.5/49

All: -169.036+/-154.122 χ^2/NDF: 107.7/103

- sign 173.303+/-217.244 χ^2/NDF: 52.1/53

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1282.958+/-0.244 χ^2/NDF: 513245.9/24

Left Out: 1242.539+/-0.200 χ^2/NDF:130022.2/24

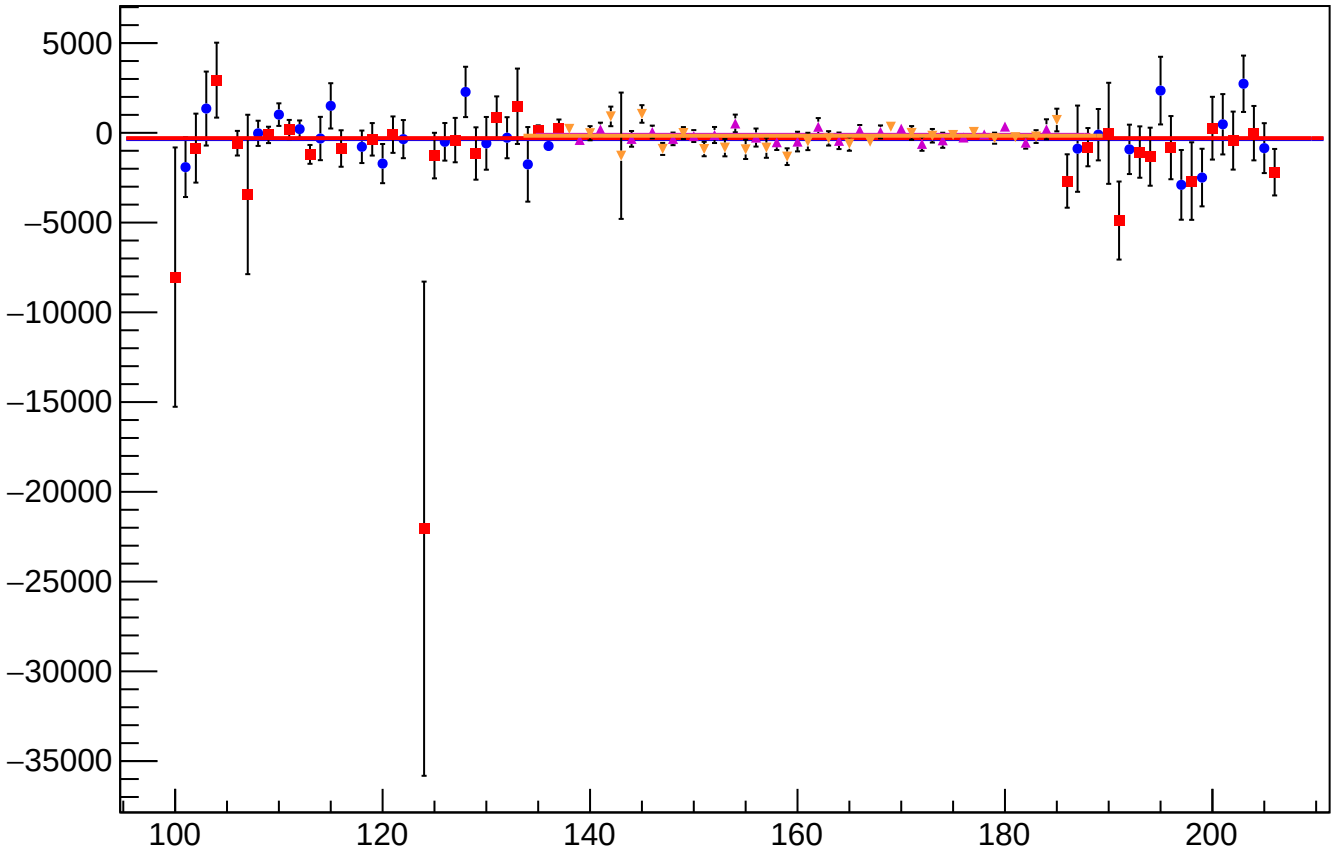
Right Out: 1281.036+/-0.228 χ^2/NDF: 387539.0/30

Left In: 1260.094+/-0.208 χ^2/NDF:27932.2/22

+ sign 1258.777+/-0.155 χ^2/NDF: 659689.0/49

All: 1264.238+/-0.109 χ^2/NDF: 1082247.1/10

- sign 1269.627+/-0.154 χ^2/NDF: 420080.2/53



Right In: -347.914+/-162.189 χ^2/NDF: 28.5/24

Left Out: -160.933+/-64.133 χ^2/NDF:43.8/24

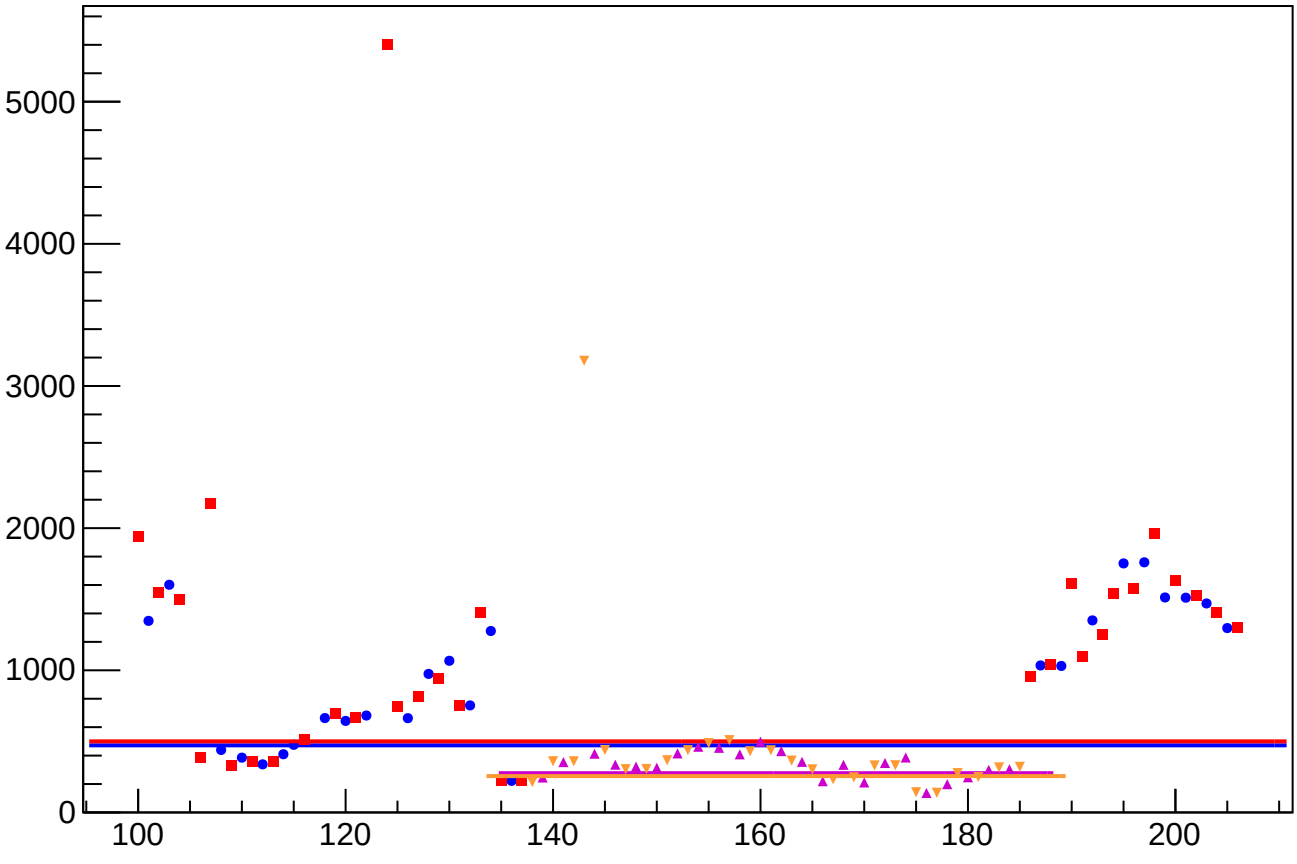
Right Out: -296.062+/-158.993 χ^2/NDF: 28.1/30

Left In: -113.720+/-68.841 χ^2/NDF:18.2/22

+ sign -186.216+/-59.640 χ^2/NDF: 73.4/49

All: -165.618+/-43.367 χ^2/NDF: 121.0/103

- sign -142.507+/-63.173 χ^2/NDF: 47.4/53



Right In: 472.081+/-0.115 χ^2/NDF: 11037600.4/24

Left Out: 255.770+/-0.045 χ^2/NDF:6373829.7/24

Right Out: 500.167+/-0.112 χ^2/NDF: 12831032.7/30

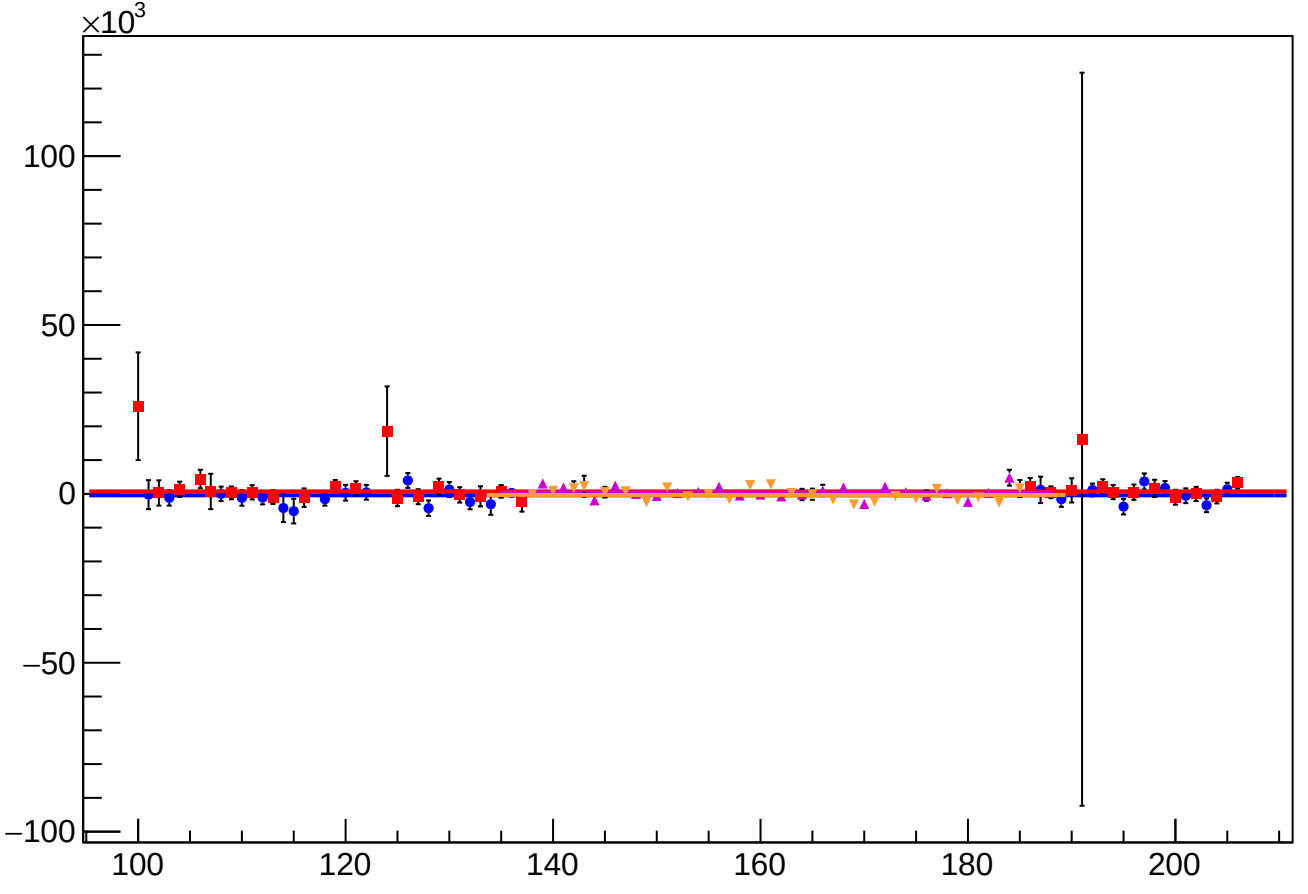
Left In: 276.299+/-0.049 χ^2/NDF:4027371.0/22

+ sign 285.018+/-0.042 χ^2/NDF: 20487907.6/49

All: 297.565+/-0.031 χ^2/NDF: 40873275.7/10

- sign 311.642+/-0.045 χ^2/NDF: 20197546.6/53

asym_atl1r2_dd_atl2r1_dd_avg_mean vs Slug



Right In: -425.909+/-447.382 χ^2/NDF: 22.9/24

Left Out: -319.744+/-298.271 χ^2/NDF:31.6/24

Right Out: 731.385+/-426.611 χ^2/NDF: 15.9/30

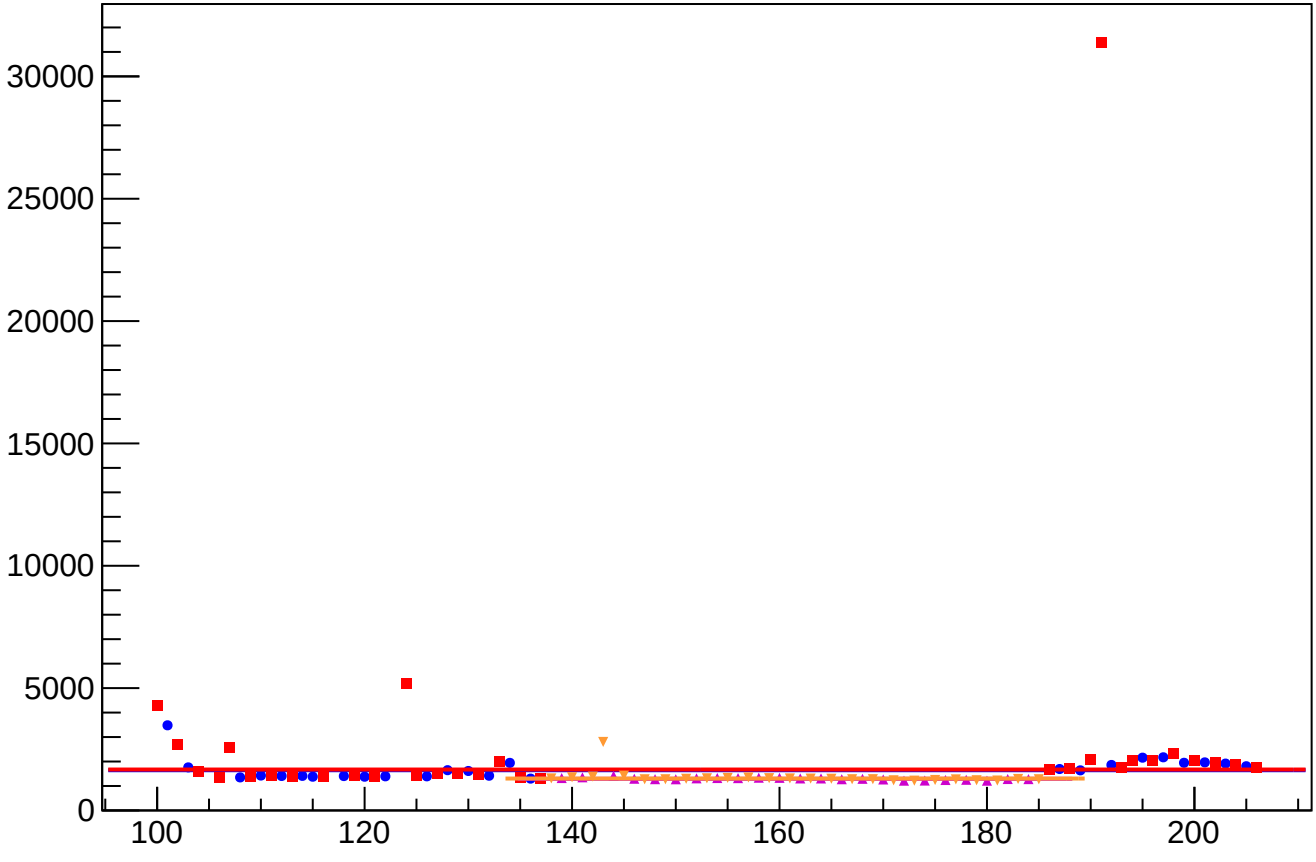
Left In: 356.387+/-301.902 χ^2/NDF:29.7/22

+ sign -352.412+/-248.172 χ^2/NDF: 54.4/49

All: 67.481+/-174.867 χ^2/NDF: 106.3/103

- sign 481.520+/-246.436 χ^2/NDF: 46.1/53

asym_atl1r2_dd_atl2r1_dd_avg_rms vs Slug



Right In: 1644.206+/-0.316 χ^2/NDF: 1101873.5/24

Left Out: 1304.156+/-0.211 χ^2/NDF:519609.1/24

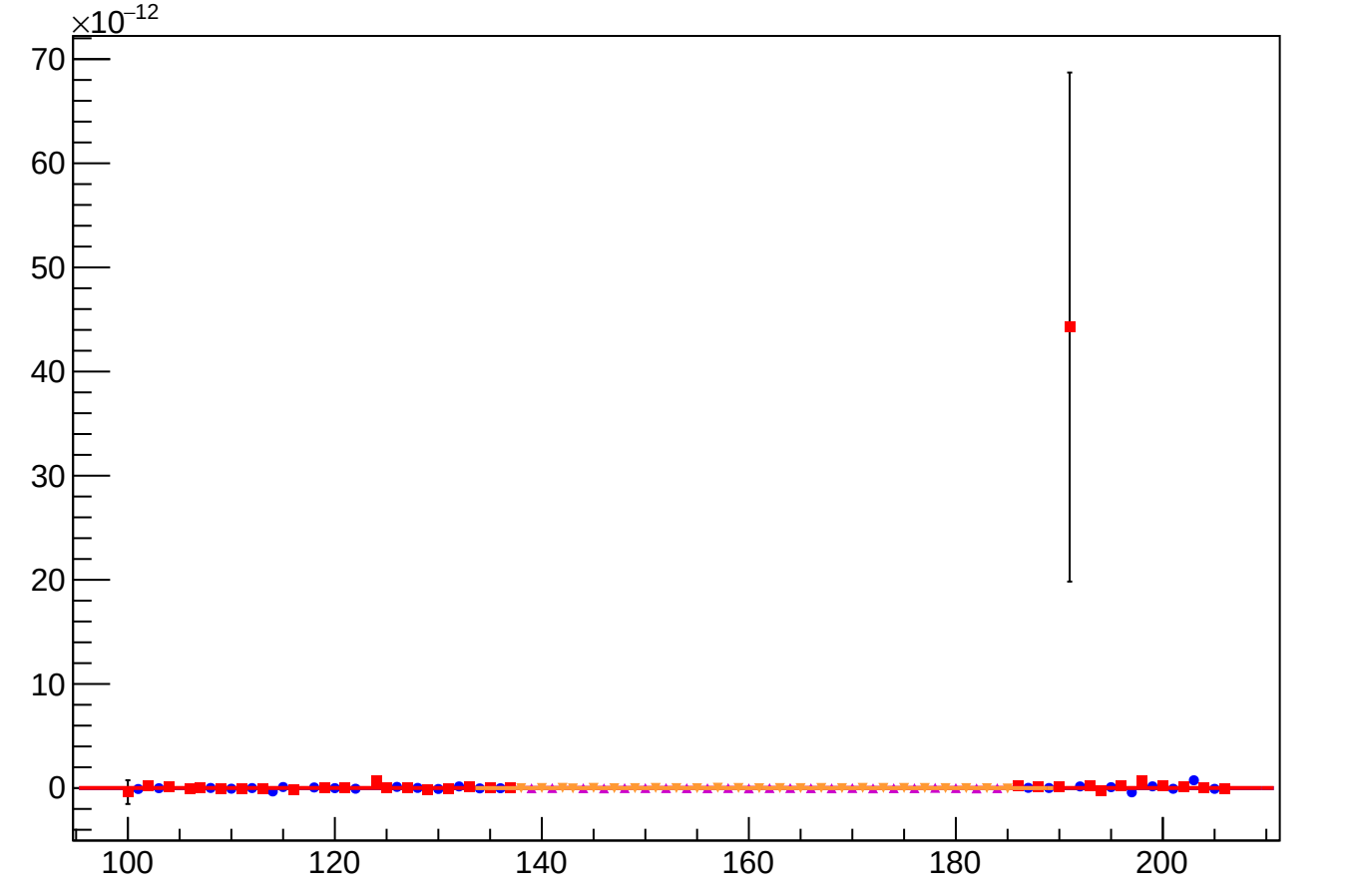
Right Out: 1672.588+/-0.302 χ^2/NDF: 1374227.9/30

Left In: 1292.123+/-0.213 χ^2/NDF:48343.1/22

+ sign 1408.795+/-0.175 χ^2/NDF: 2421396.4/49

All: 1413.974+/-0.124 χ^2/NDF: 4905615.2/10

- sign 1419.081+/-0.174 χ^2/NDF: 2482488.7/53



Right In: -0.000+/-0.000 χ^2/NDF: 28.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.3/24

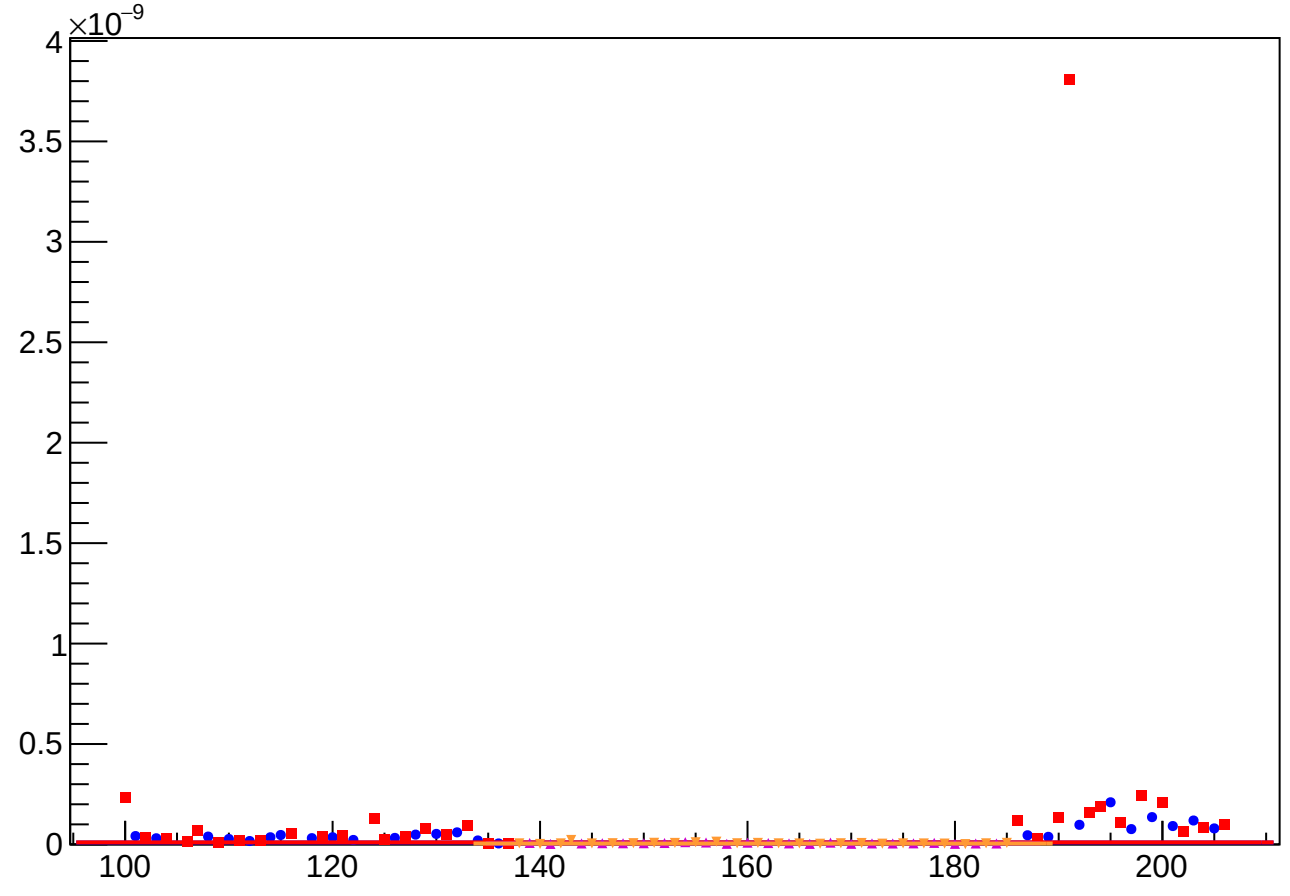
Right Out: 0.000+/-0.000 χ^2/NDF: 37.2/30

Left In: 0.000+/-0.000 χ^2/NDF:29.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.2/49

All: 0.000+/-0.000 χ^2/NDF: 124.6/103

- sign 0.000+/-0.000 χ^2/NDF: 69.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 6718649.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2715297.7/24

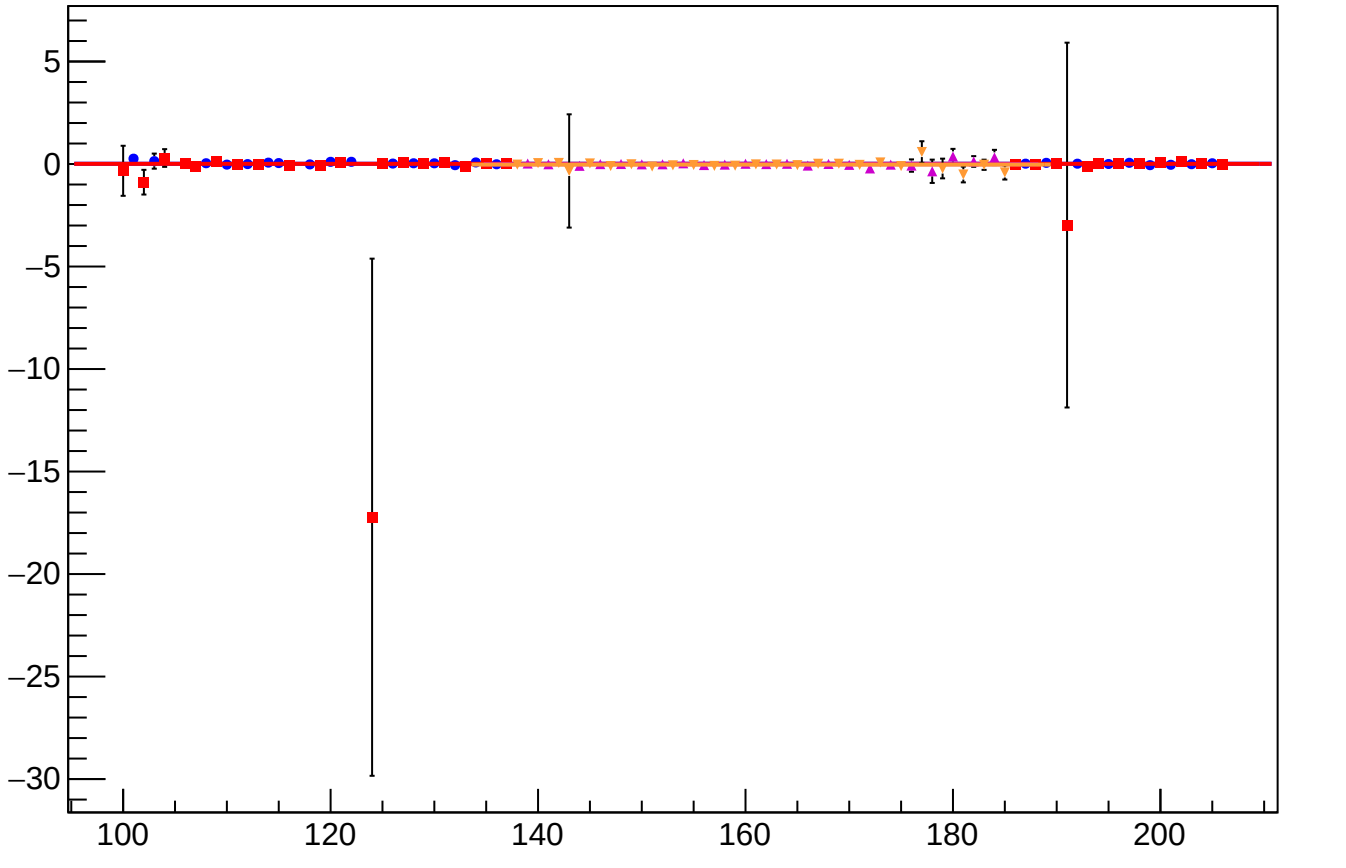
Right Out: 0.000+/-0.000 χ^2/NDF: 9284599.3/30

Left In: 0.000+/-0.000 χ^2/NDF:1884808.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10307278.9/49

All: 0.000+/-0.000 χ^2/NDF: 22436883.0/103

- sign 0.000+/-0.000 χ^2/NDF: 12102161.2/53



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

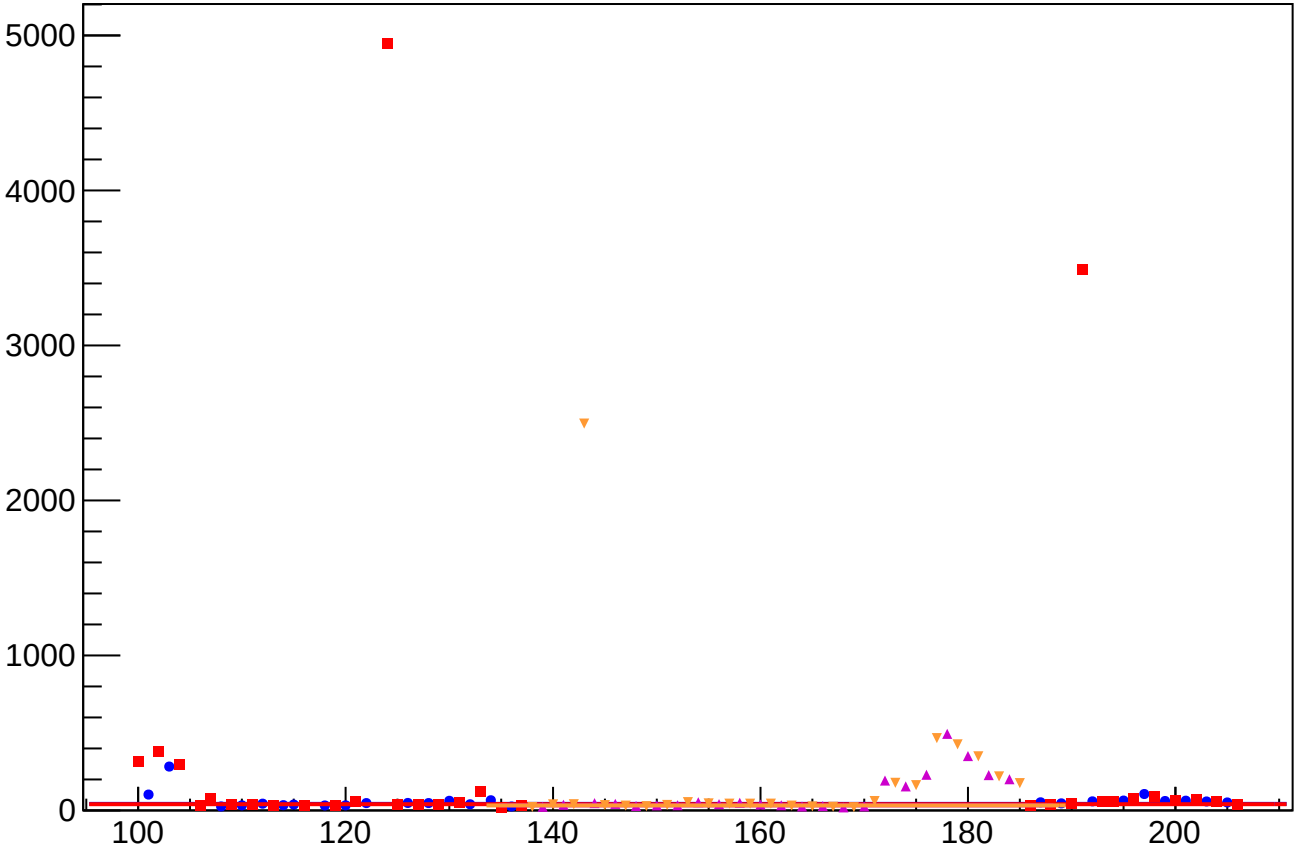
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/103

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

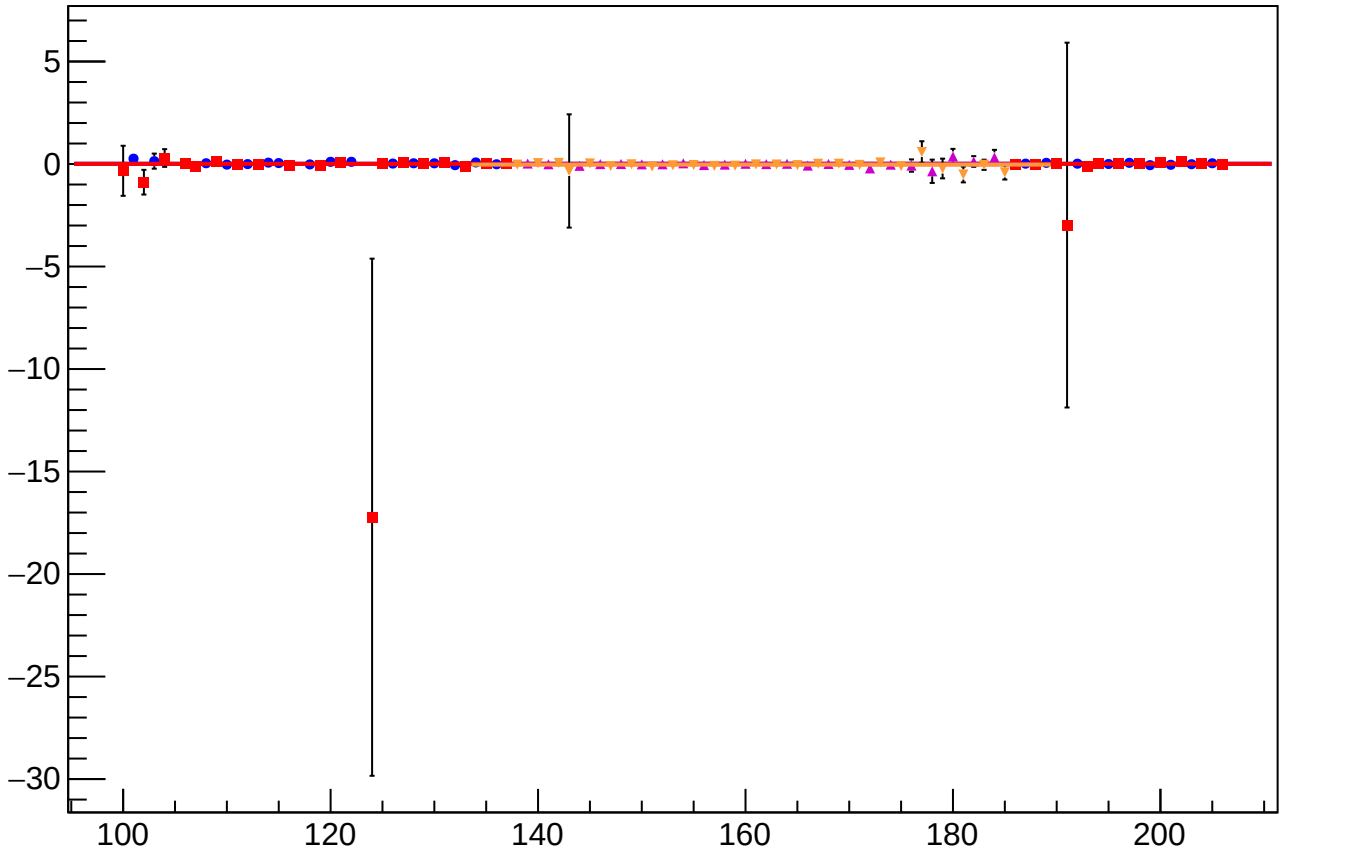
Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618302.2/49

All: 35.854+/-0.004 χ^2/NDF: 30506095.8/103

- sign 35.738+/-0.005 χ^2/NDF: 14886780.8/53



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

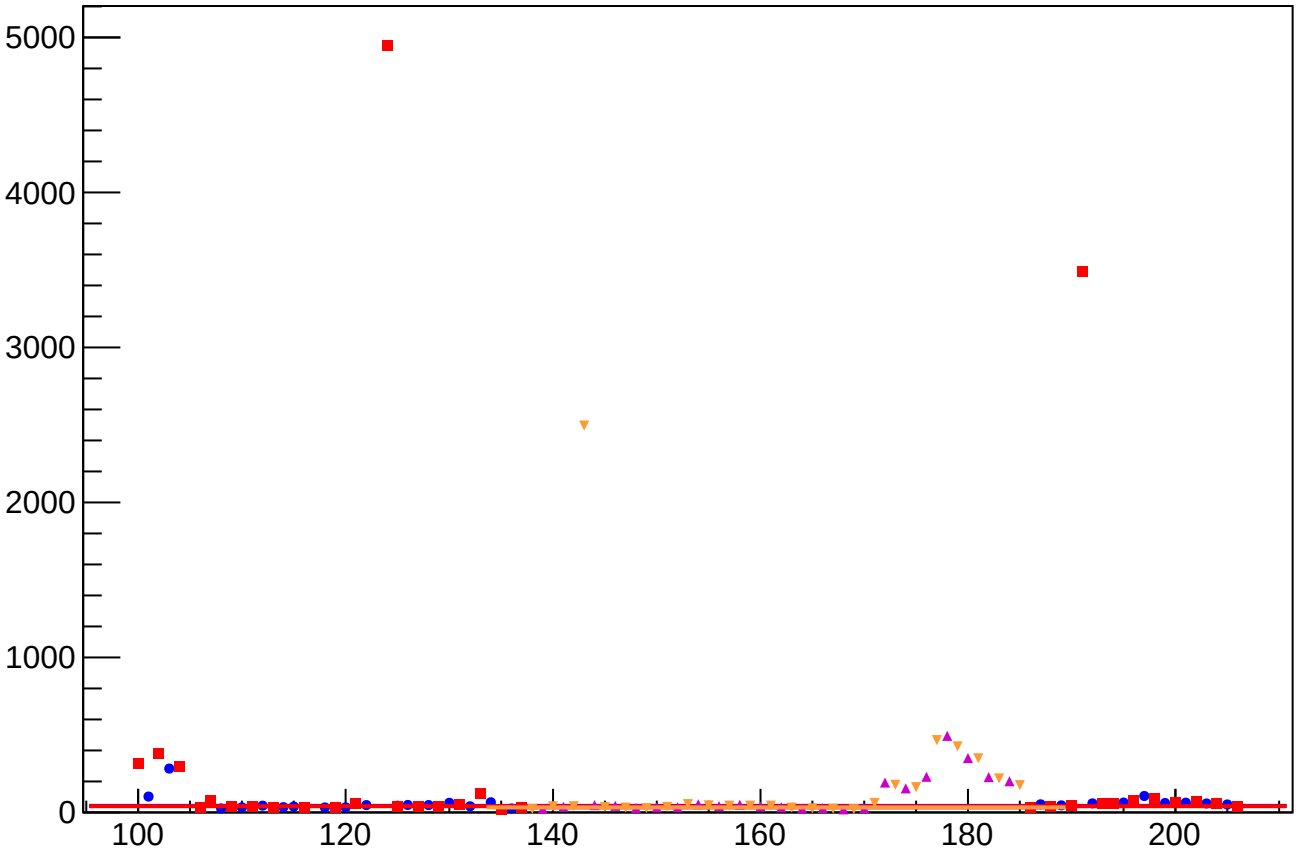
Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/103

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53



Right In: 42.411+/-0.009 χ^2/NDF: 4000235.9/24

Left Out: 32.551+/-0.007 χ^2/NDF:10871758.1/24

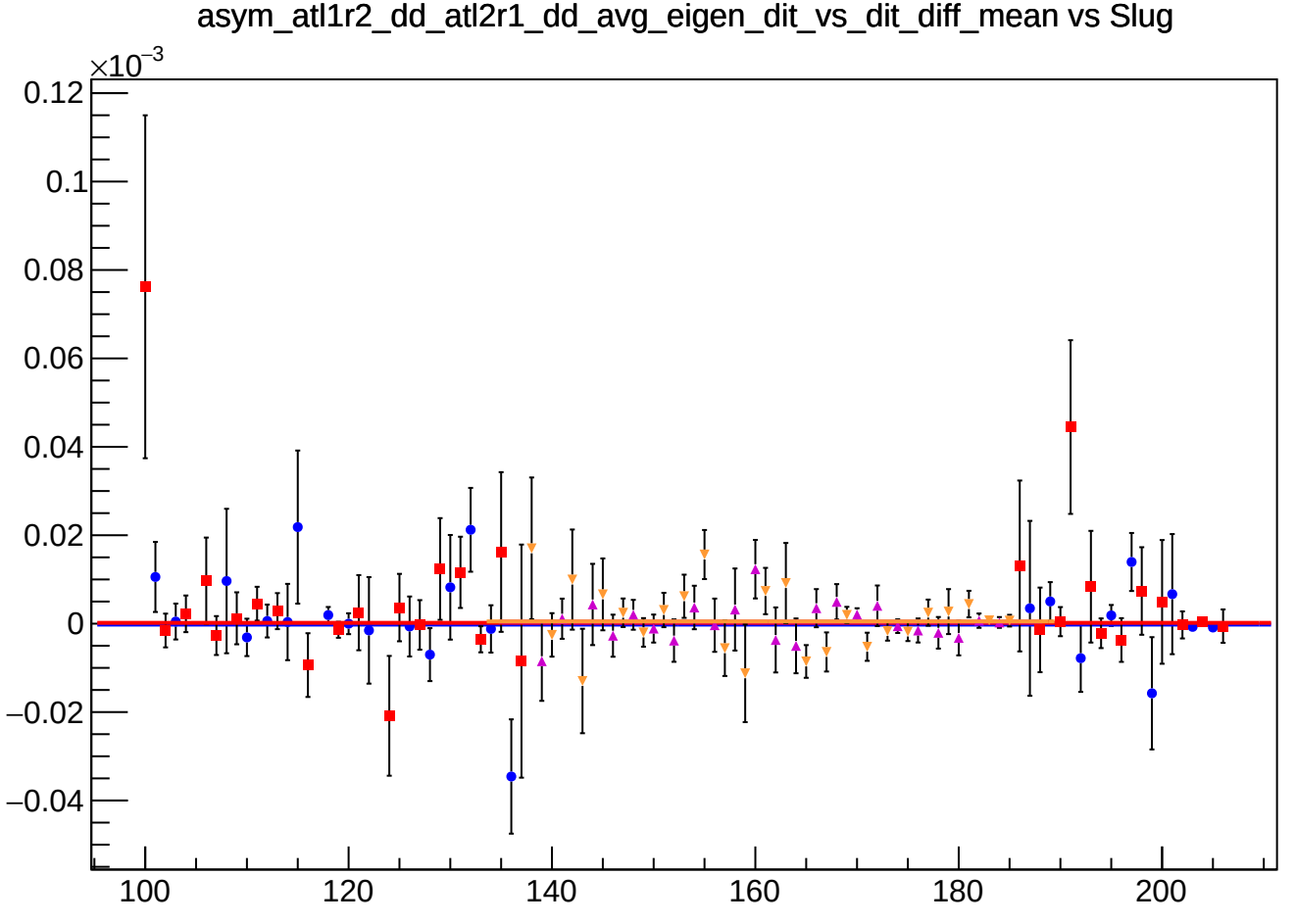
Right Out: 40.367+/-0.008 χ^2/NDF: 5416368.0/30

Left In: 32.738+/-0.007 χ^2/NDF:8963240.8/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618302.2/49

All: 35.854+/-0.004 χ^2/NDF: 30506095.8/103

- sign 35.738+/-0.005 χ^2/NDF: 14886780.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:35.7/24

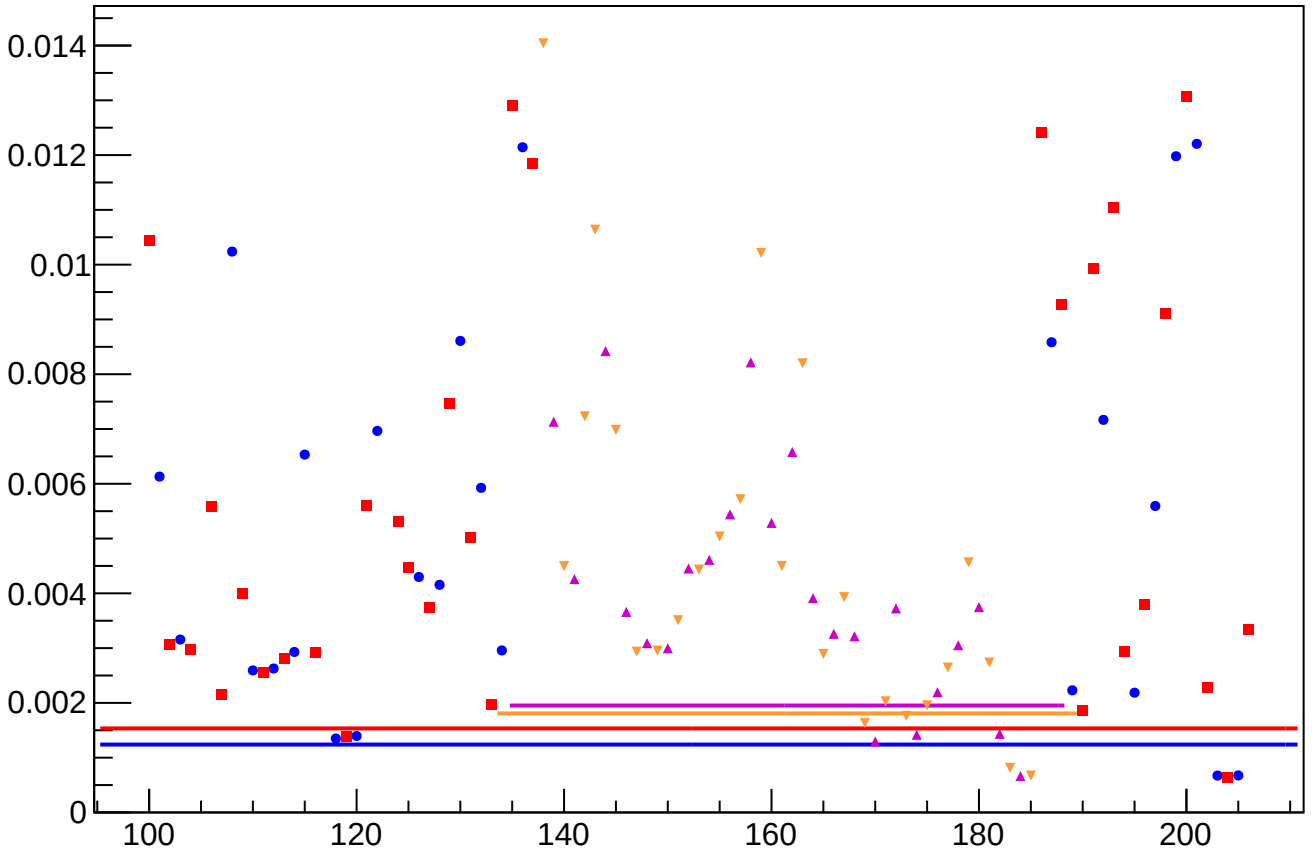
Right Out: 0.000+/-0.000 χ^2/NDF: 26.1/30

Left In: 0.000+/-0.000 χ^2/NDF:13.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 67.0/49

All: 0.000+/-0.000 χ^2/NDF: 107.0/103

- sign 0.000+/-0.000 χ^2/NDF: 39.9/53



Right In: 0.001+/-0.000 χ^2/NDF: 14011297.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:14941257.4/24

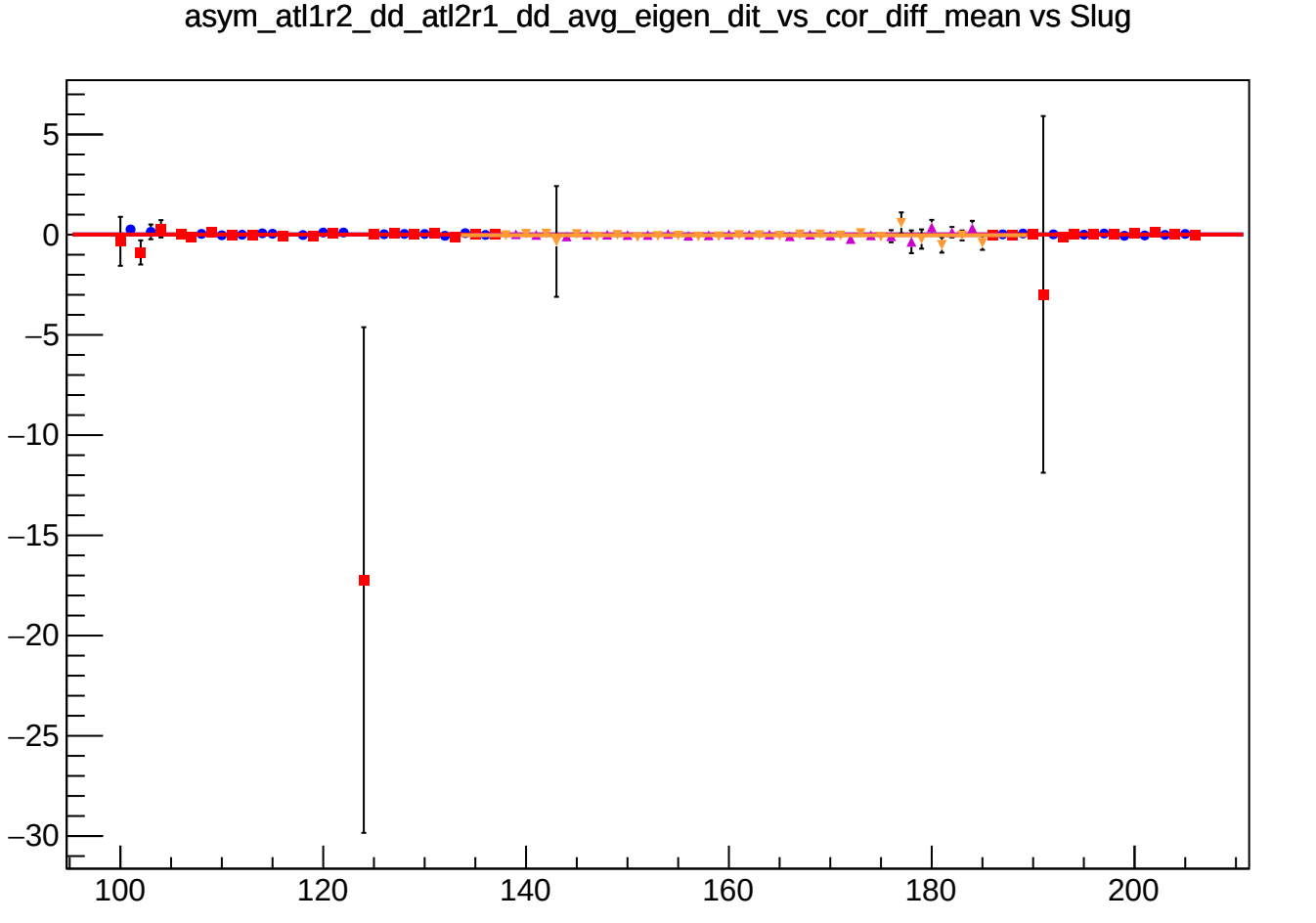
Right Out: 0.002+/-0.000 χ^2/NDF: 15411552.5/30

Left In: 0.002+/-0.000 χ^2/NDF:11478607.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 30091789.6/49

All: 0.002+/-0.000 χ^2/NDF: 57842135.8/103

- sign 0.002+/-0.000 χ^2/NDF: 27417185.8/53



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

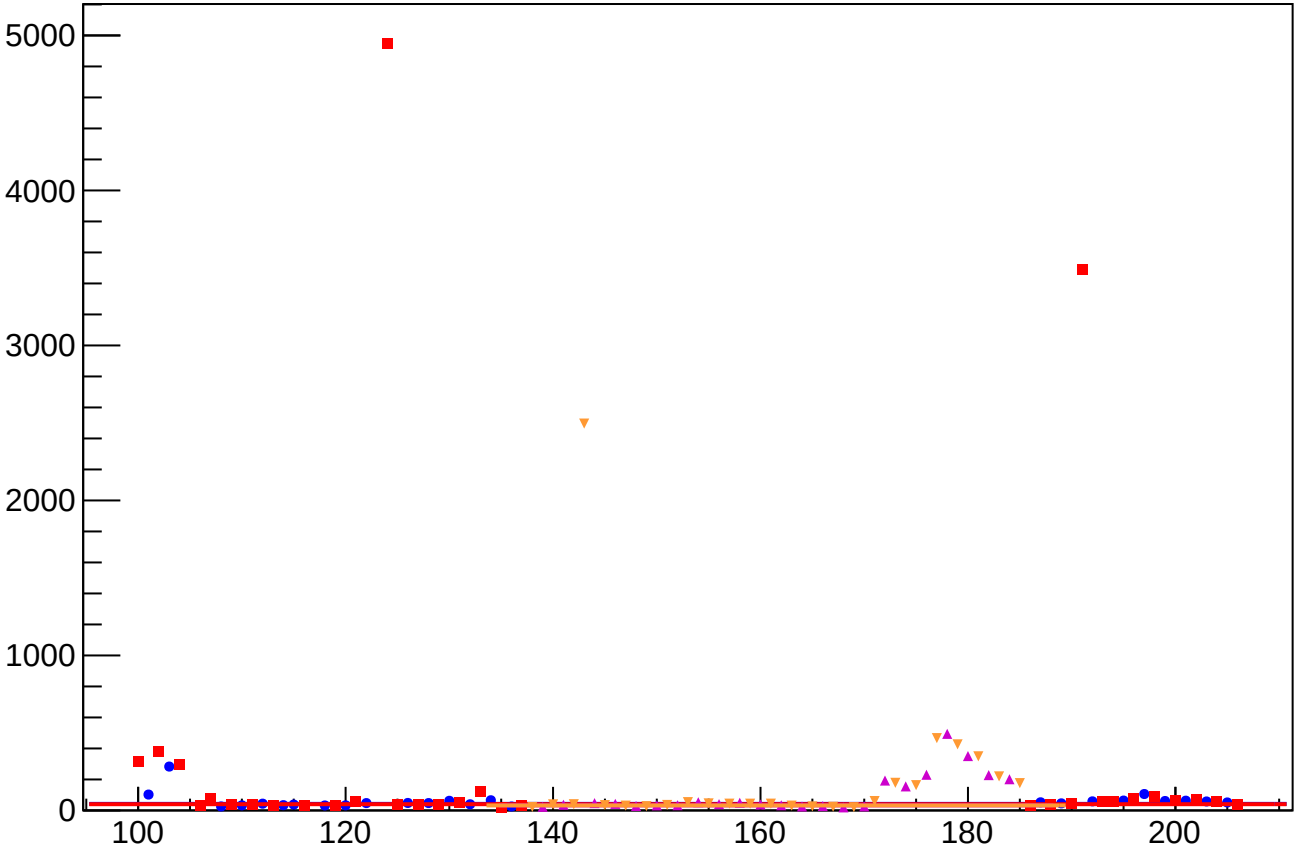
Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/103

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

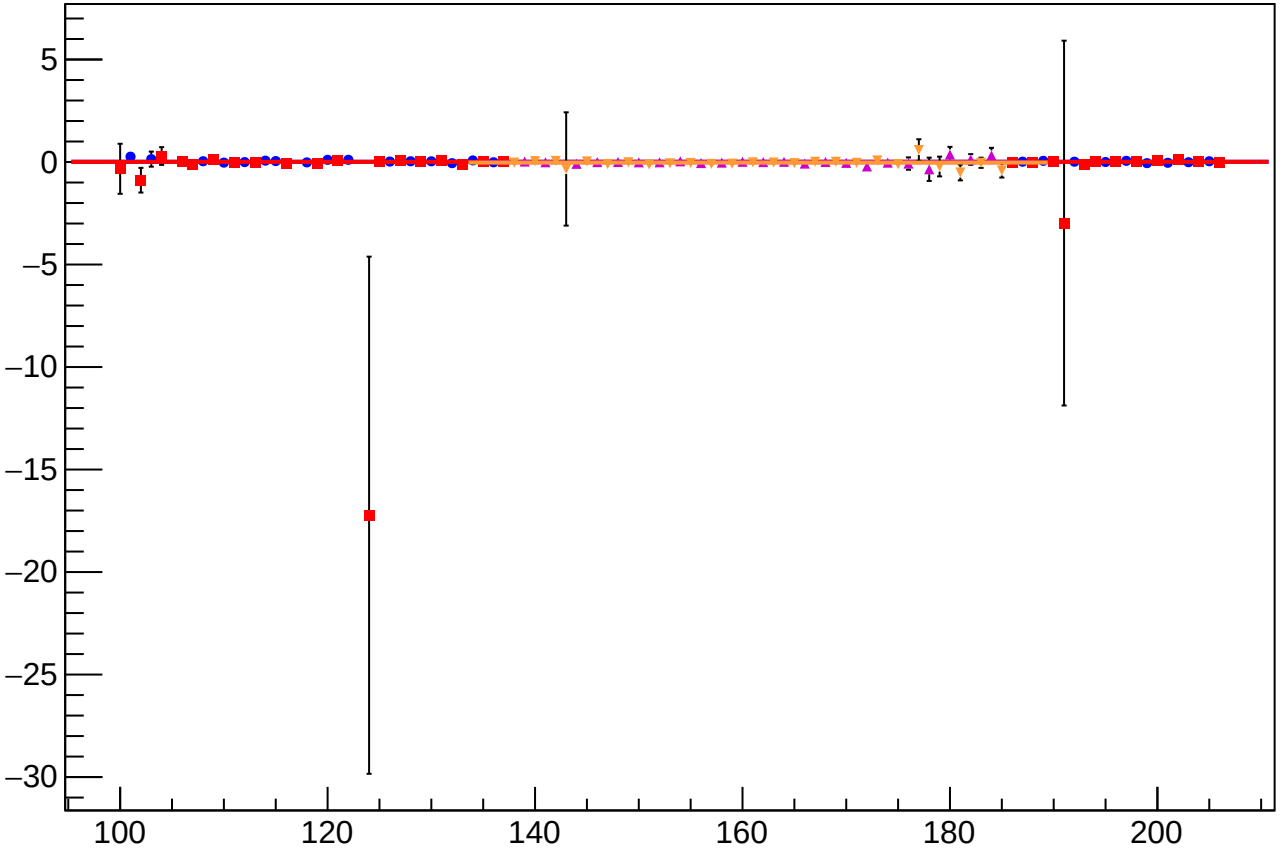
Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618222.0/49

All: 35.853+/-0.004 χ^2/NDF: 30506642.9/103

- sign 35.737+/-0.005 χ^2/NDF: 14887399.3/53

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.013+/-0.013 χ^2/NDF: 13.9/24

Left Out: -0.028+/-0.010 χ^2/NDF:28.1/24

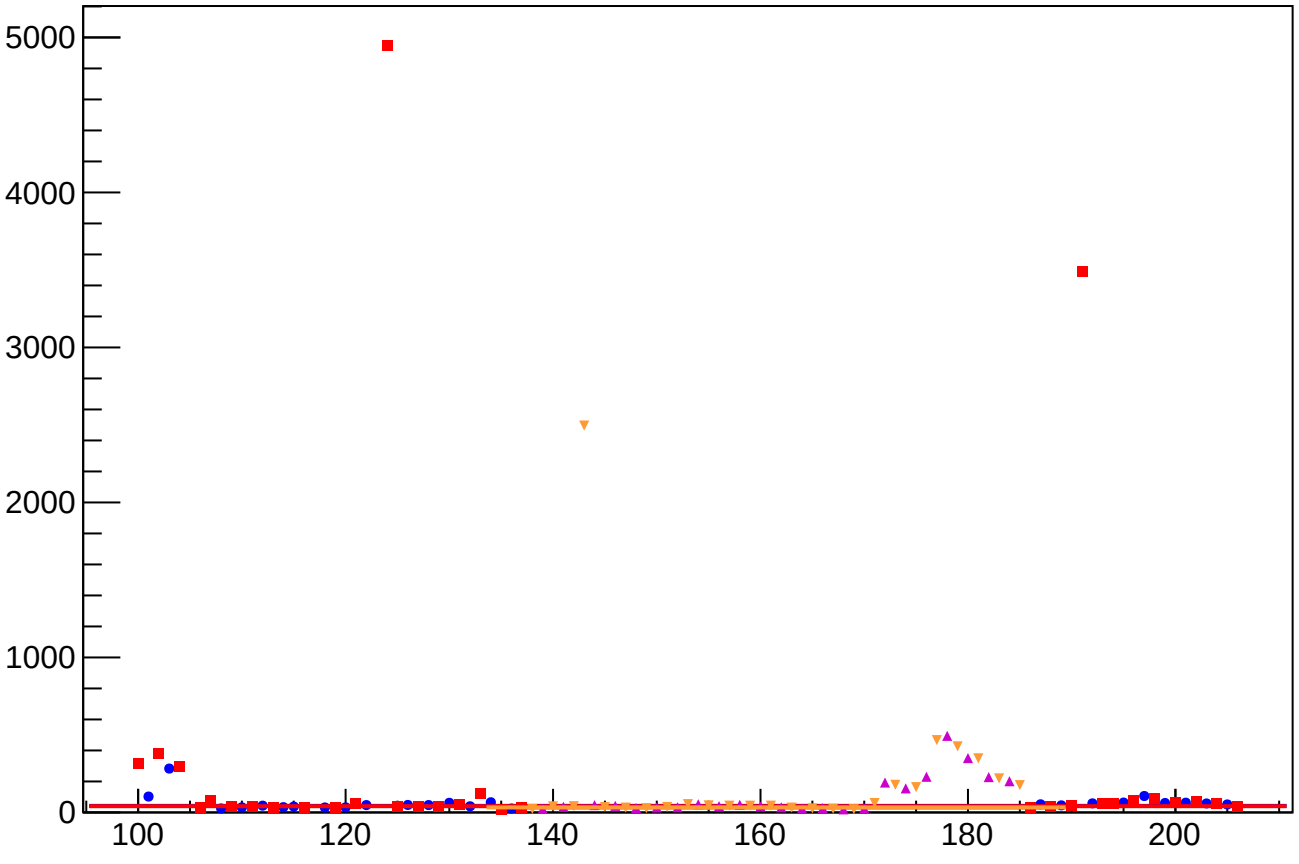
Right Out: 0.009+/-0.012 χ^2/NDF: 22.6/30

Left In: -0.011+/-0.009 χ^2/NDF:13.2/22

+ sign -0.014+/-0.008 χ^2/NDF: 48.6/49

All: -0.008+/-0.005 χ^2/NDF: 87.0/103

- sign -0.003+/-0.007 χ^2/NDF: 37.5/53



Right In: 42.412+/-0.009 χ^2/NDF: 3999704.2/24

Left Out: 32.551+/-0.007 χ^2/NDF:10872015.8/24

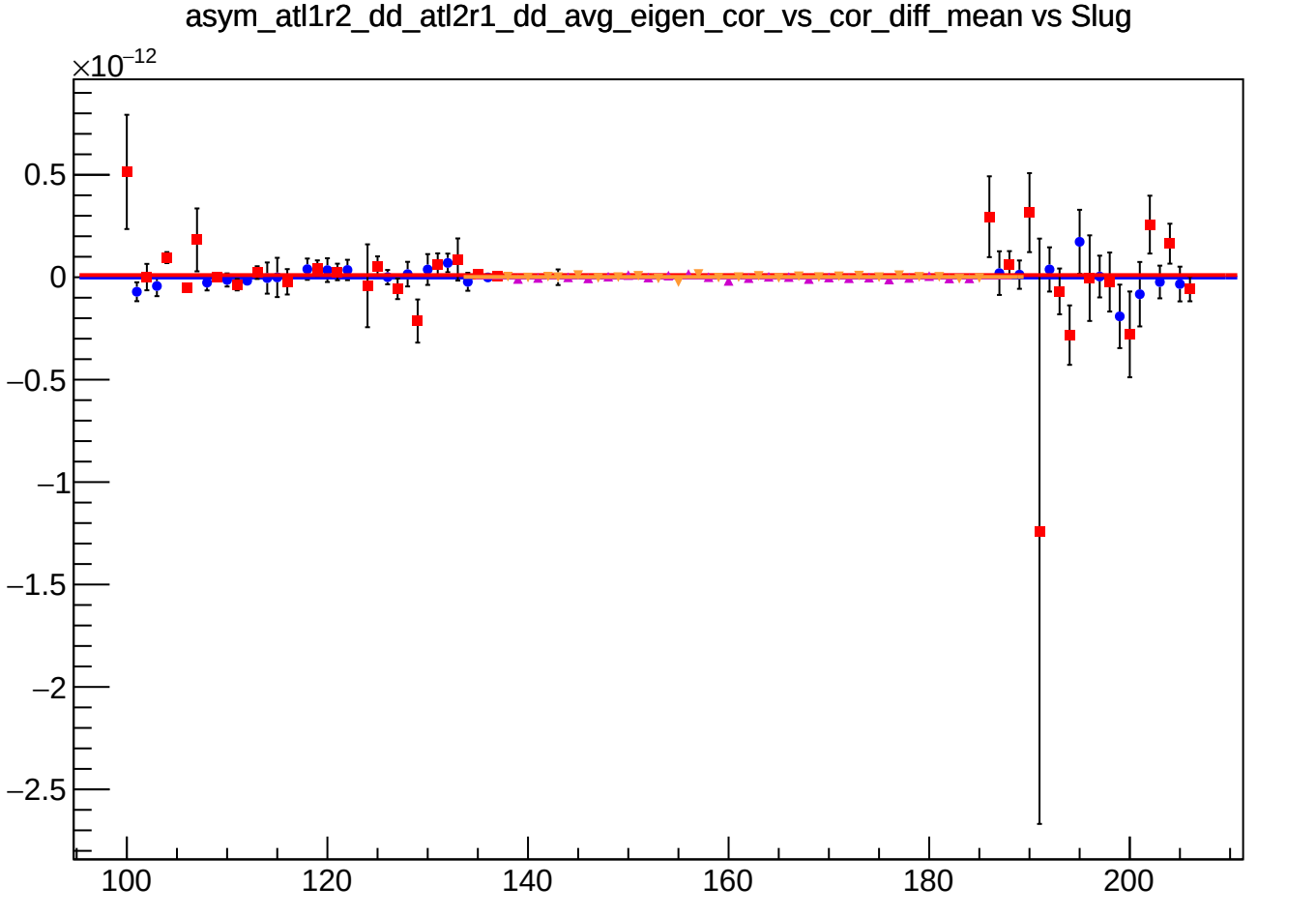
Right Out: 40.367+/-0.008 χ^2/NDF: 5416163.6/30

Left In: 32.737+/-0.007 χ^2/NDF:8963873.9/22

+ sign 35.978+/-0.005 χ^2/NDF: 15618222.0/49

All: 35.853+/-0.004 χ^2/NDF: 30506642.9/103

- sign 35.737+/-0.005 χ^2/NDF: 14887399.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 12.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.1/24

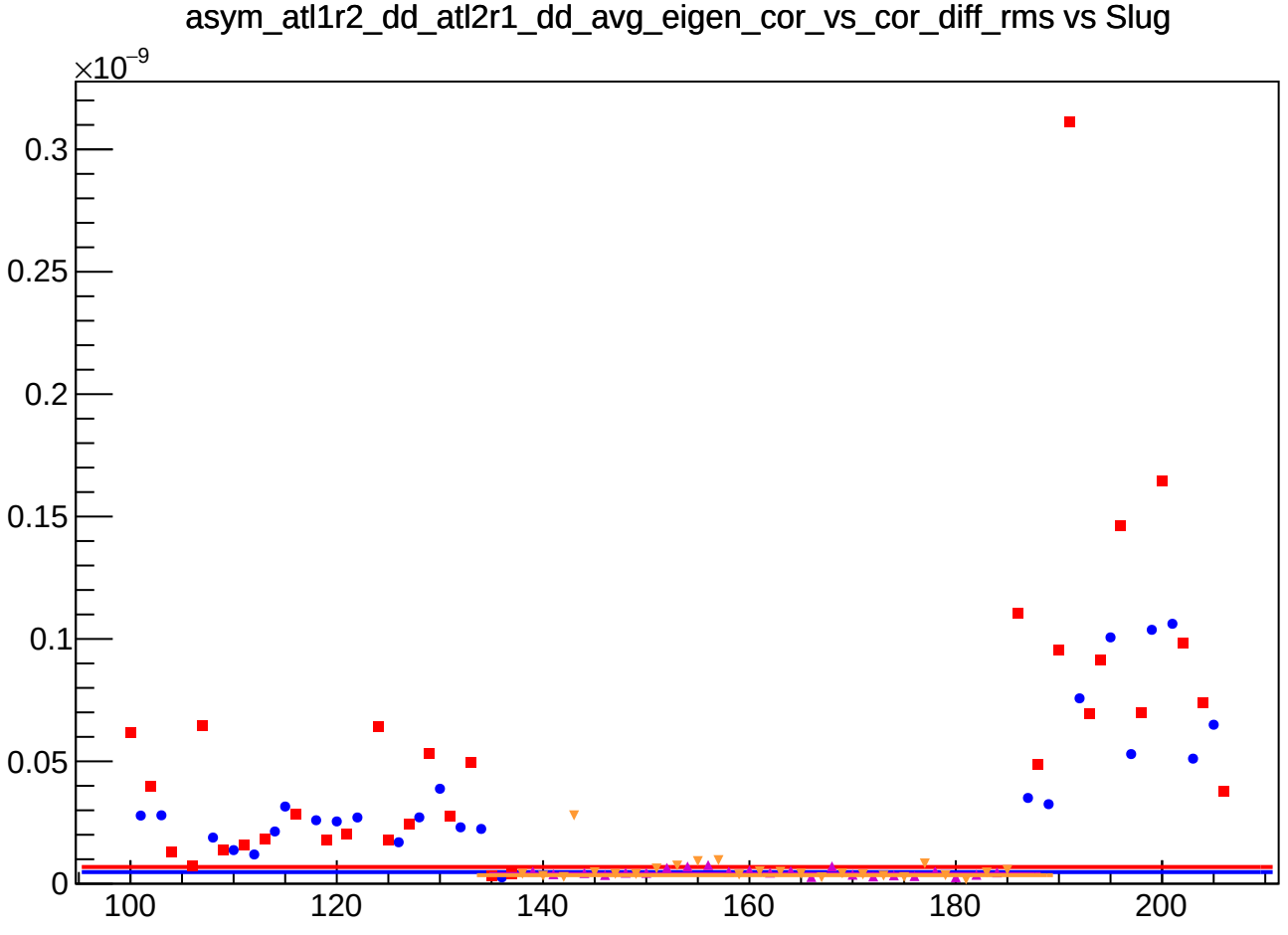
Right Out: 0.000+/-0.000 χ^2/NDF: 59.2/30

Left In: -0.000+/-0.000 χ^2/NDF:28.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.8/49

All: 0.000+/-0.000 χ^2/NDF: 127.2/103

- sign -0.000+/-0.000 χ^2/NDF: 95.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 11013269.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:4688121.0/24

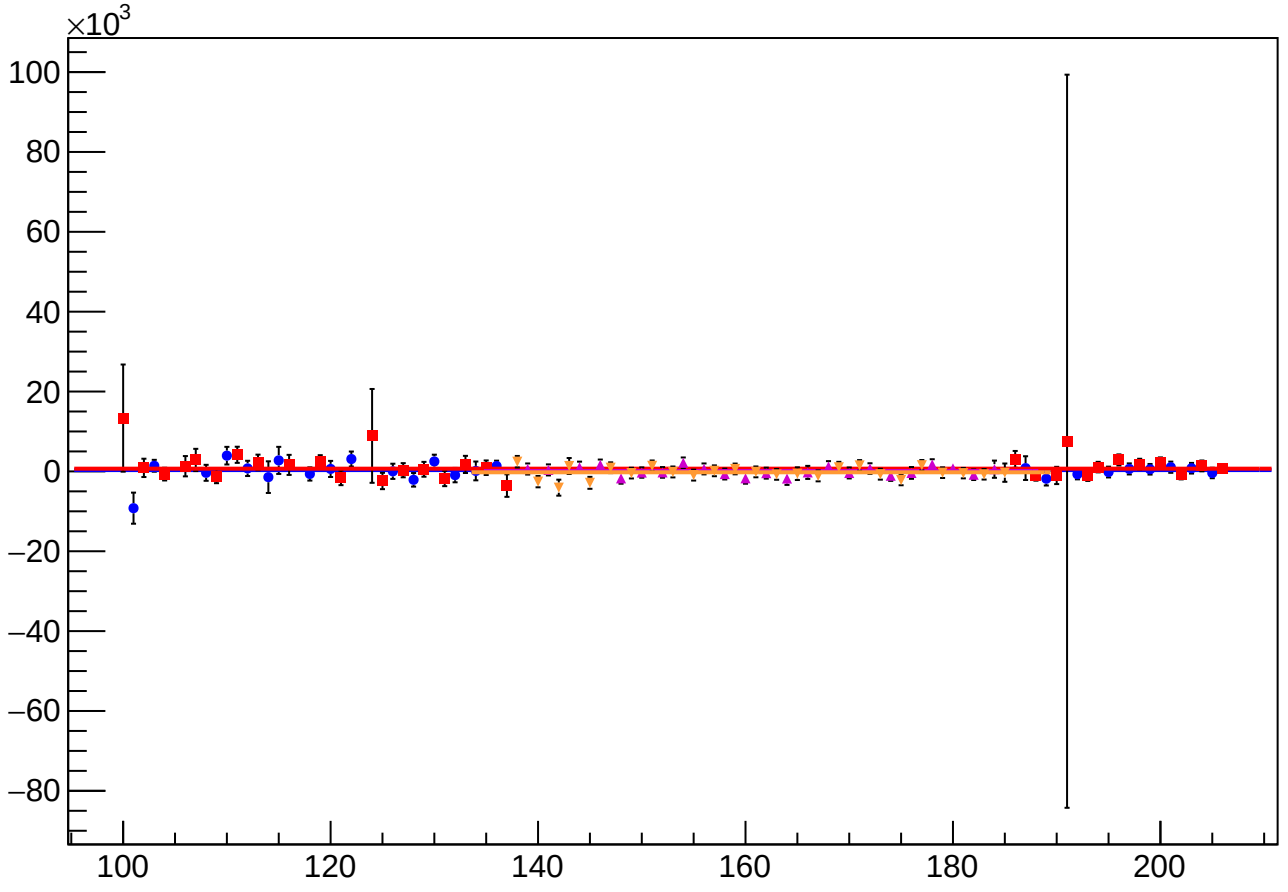
Right Out: 0.000+/-0.000 χ^2/NDF: 12896666.9/30

Left In: 0.000+/-0.000 χ^2/NDF:2073078.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 15950624.7/49

All: 0.000+/-0.000 χ^2/NDF: 32099097.7/103

- sign 0.000+/-0.000 χ^2/NDF: 15855975.0/53



Right In: 328.549+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.721+/-283.055 χ^2/NDF:23.9/24

Right Out: 681.848+/-319.078 χ^2/NDF: 27.3/30

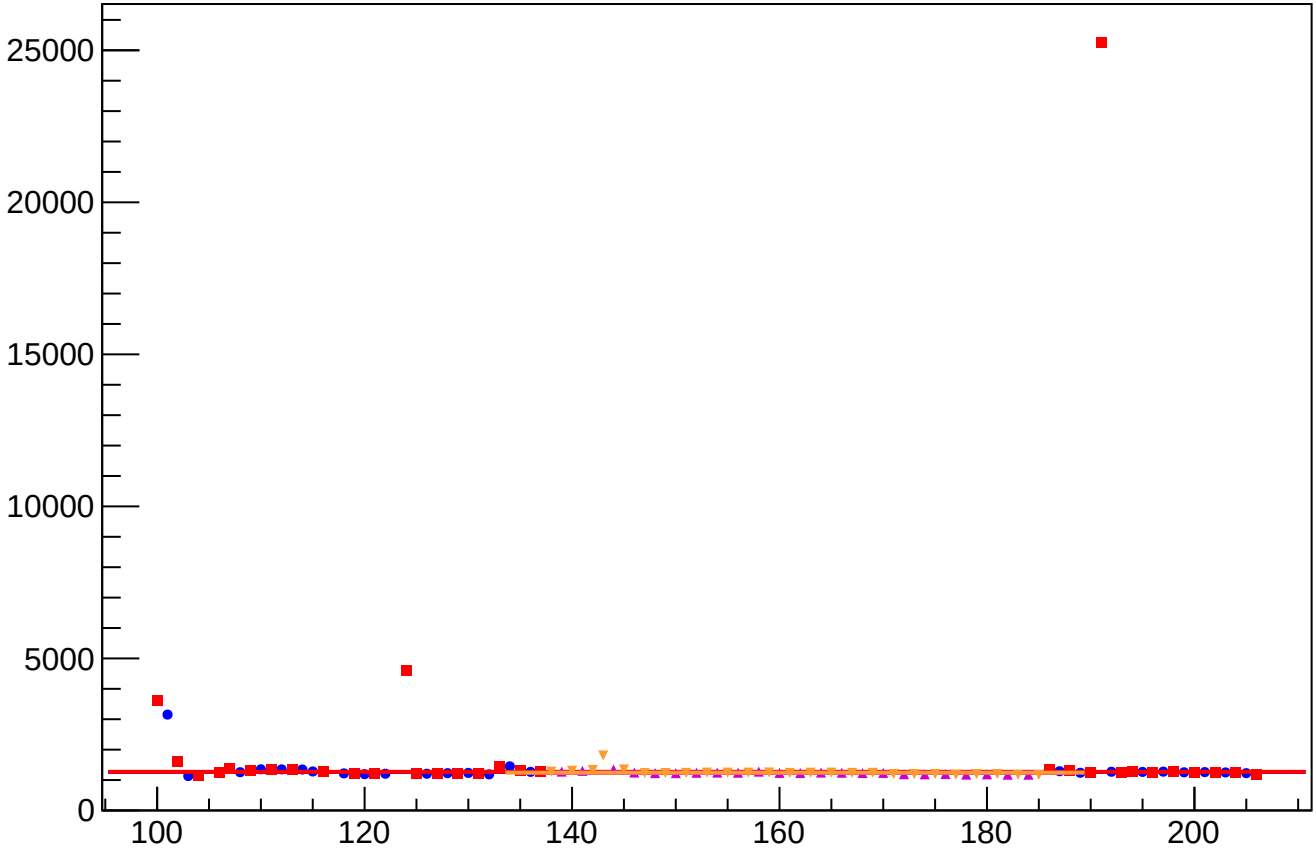
Left In: 92.402+/-288.217 χ^2/NDF:14.7/22

+ sign 3.915+/-217.608 χ^2/NDF: 46.0/49

All: 183.634+/-152.537 χ^2/NDF: 91.2/103

- sign 357.248+/-213.881 χ^2/NDF: 43.9/53

reg_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1265.152+/-0.241 χ^2/NDF: 522750.2/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

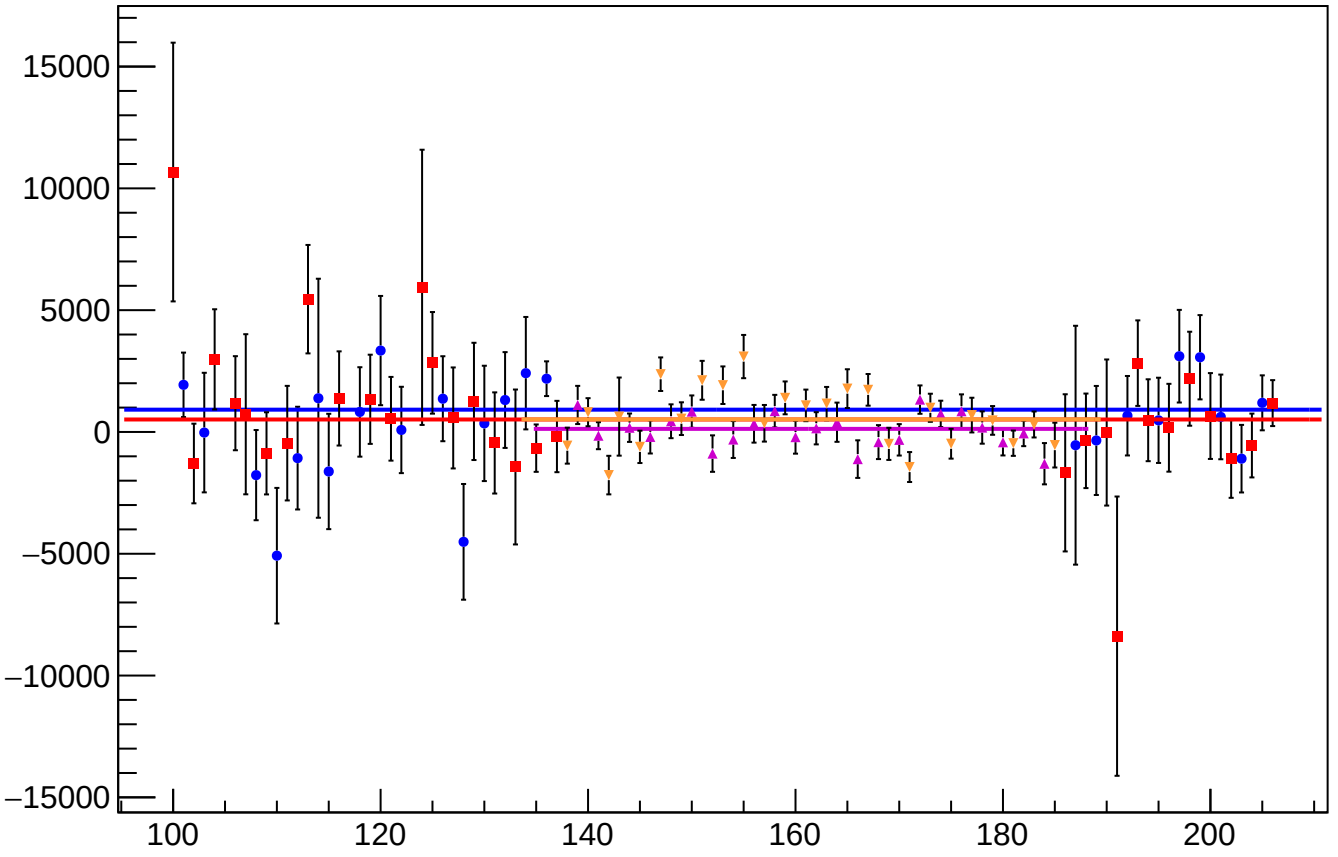
Right Out: 1269.681+/-0.226 χ^2/NDF: 486242.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.8/22

+ sign 1251.956+/-0.154 χ^2/NDF: 731138.6/49

All: 1250.908+/-0.108 χ^2/NDF: 1270718.8/10

- sign 1249.896+/-0.151 χ^2/NDF: 539489.0/53



Right In: 915.116+/-338.927 χ^2/NDF: 25.5/24

Left Out: 516.792+/-135.746 χ^2/NDF:67.0/24

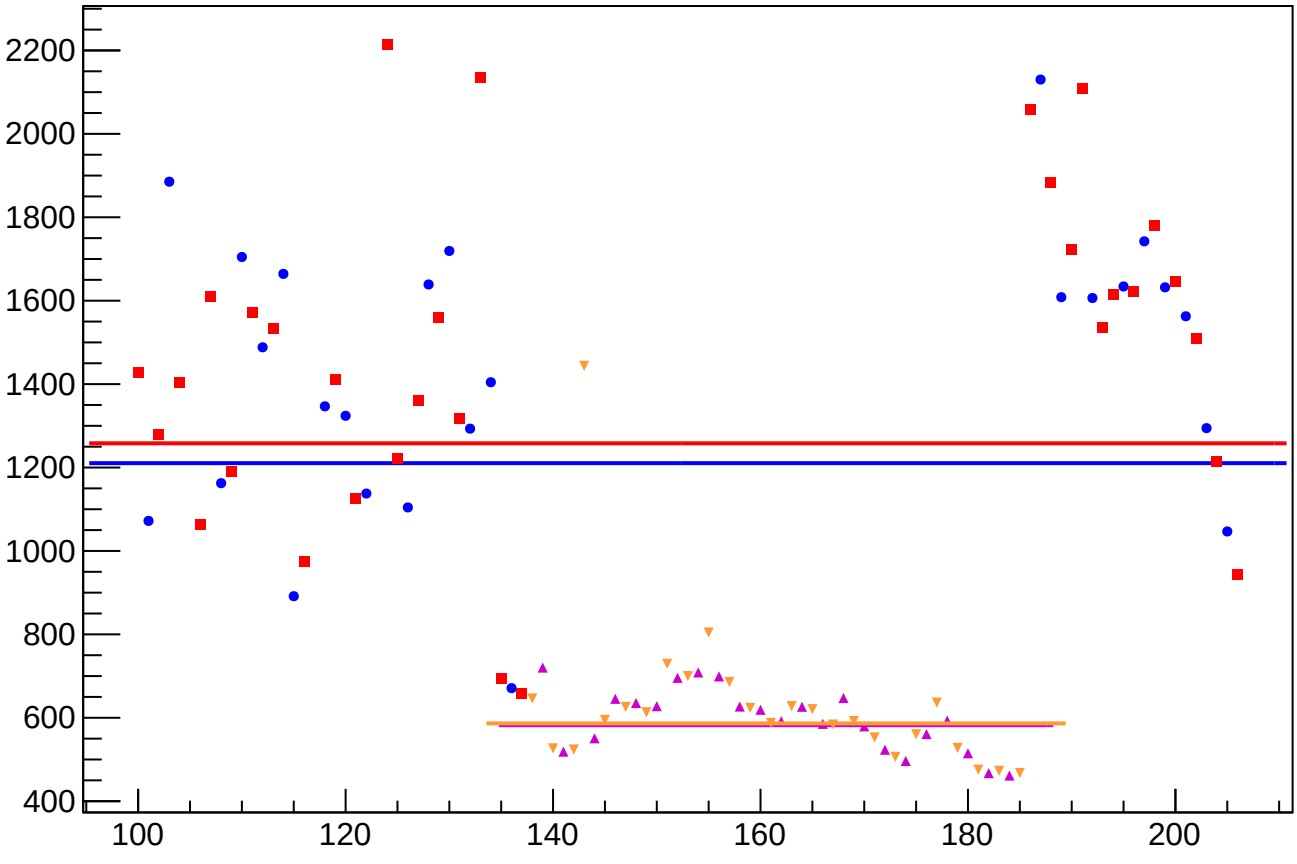
Right Out: 512.242+/-327.067 χ^2/NDF: 25.0/30

Left In: 126.569+/-137.266 χ^2/NDF:21.6/22

\+ sign 571.856+/-126.015 χ^2/NDF: 93.7/49

All: 378.946+/-89.302 χ^2/NDF: 146.1/103

\- sign 184.328+/-126.571 χ^2/NDF: 47.7/53



Right In: 1210.477+/-0.240 χ^2/NDF: 2448024.7/24

Left Out: 586.557+/-0.096 χ^2/NDF:1202915.7/24

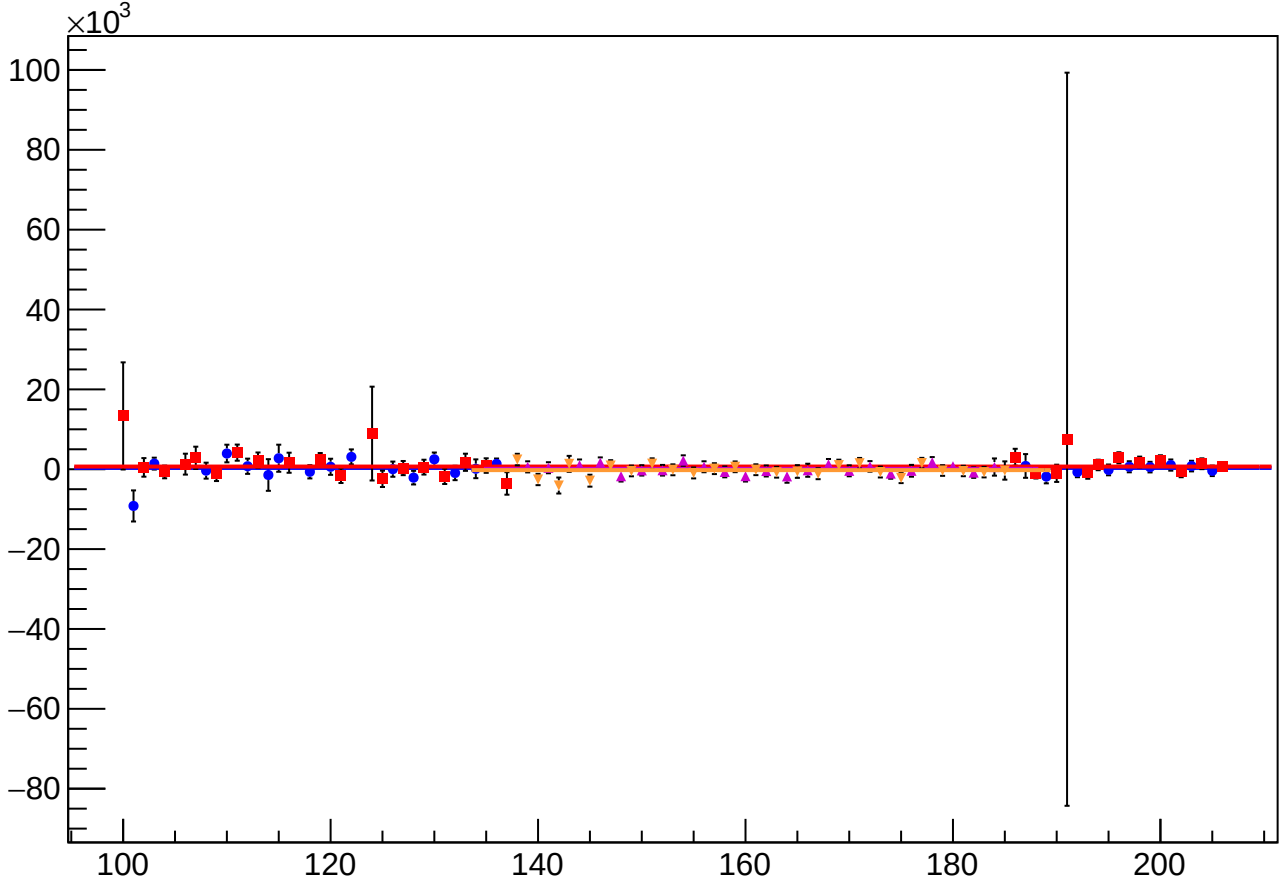
Right Out: 1258.079+/-0.231 χ^2/NDF: 2611021.4/30

Left In: 582.190+/-0.097 χ^2/NDF:559261.3/22

+ sign 672.807+/-0.089 χ^2/NDF: 9491604.9/49

All: 678.086+/-0.063 χ^2/NDF: 19930807.5/10

- sign 683.411+/-0.089 χ^2/NDF: 10432152.4/53



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 673.061+/-319.317 χ^2/NDF: 27.3/30

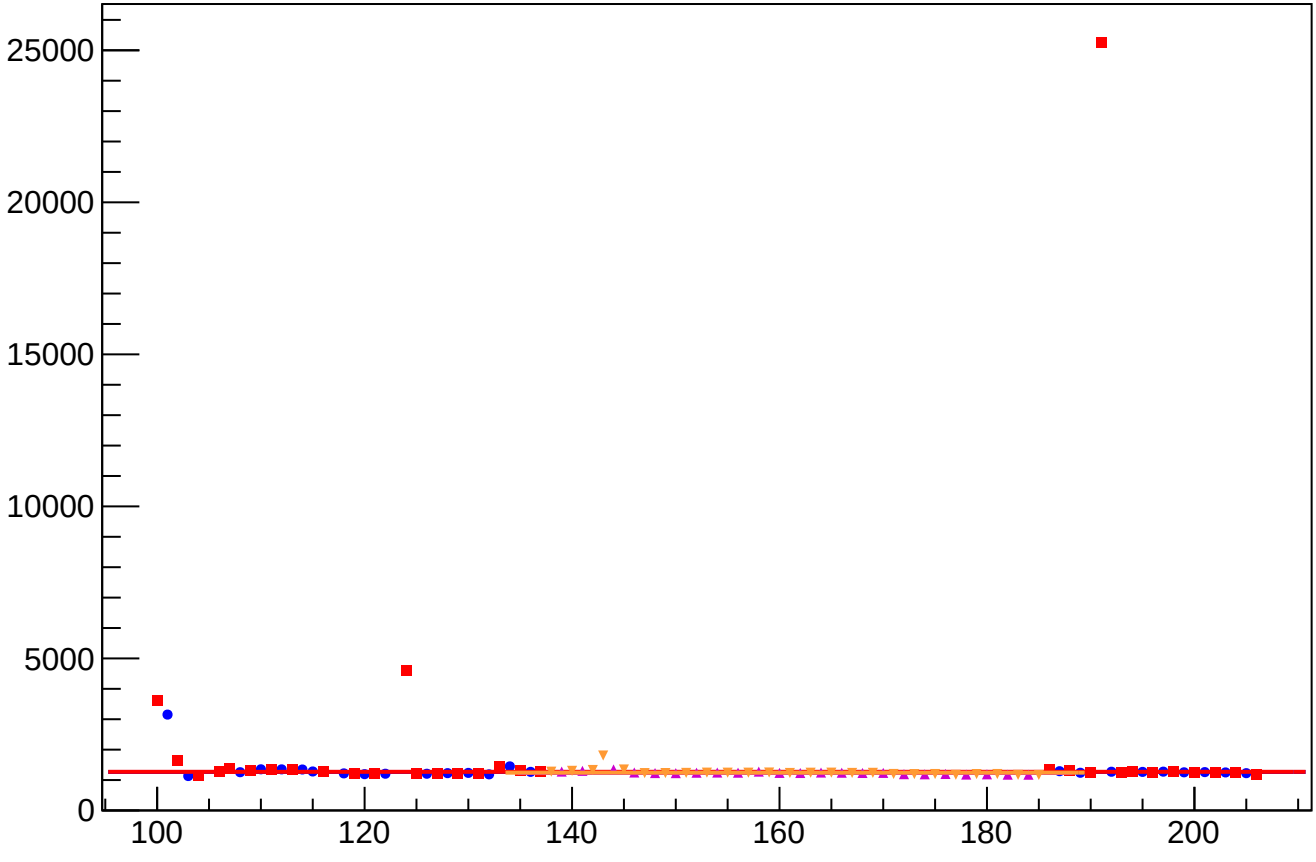
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 3.985+/-217.608 χ^2/NDF: 46.0/49

All: 181.511+/-152.563 χ^2/NDF: 91.1/103

- sign 353.123+/-213.953 χ^2/NDF: 43.8/53

cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

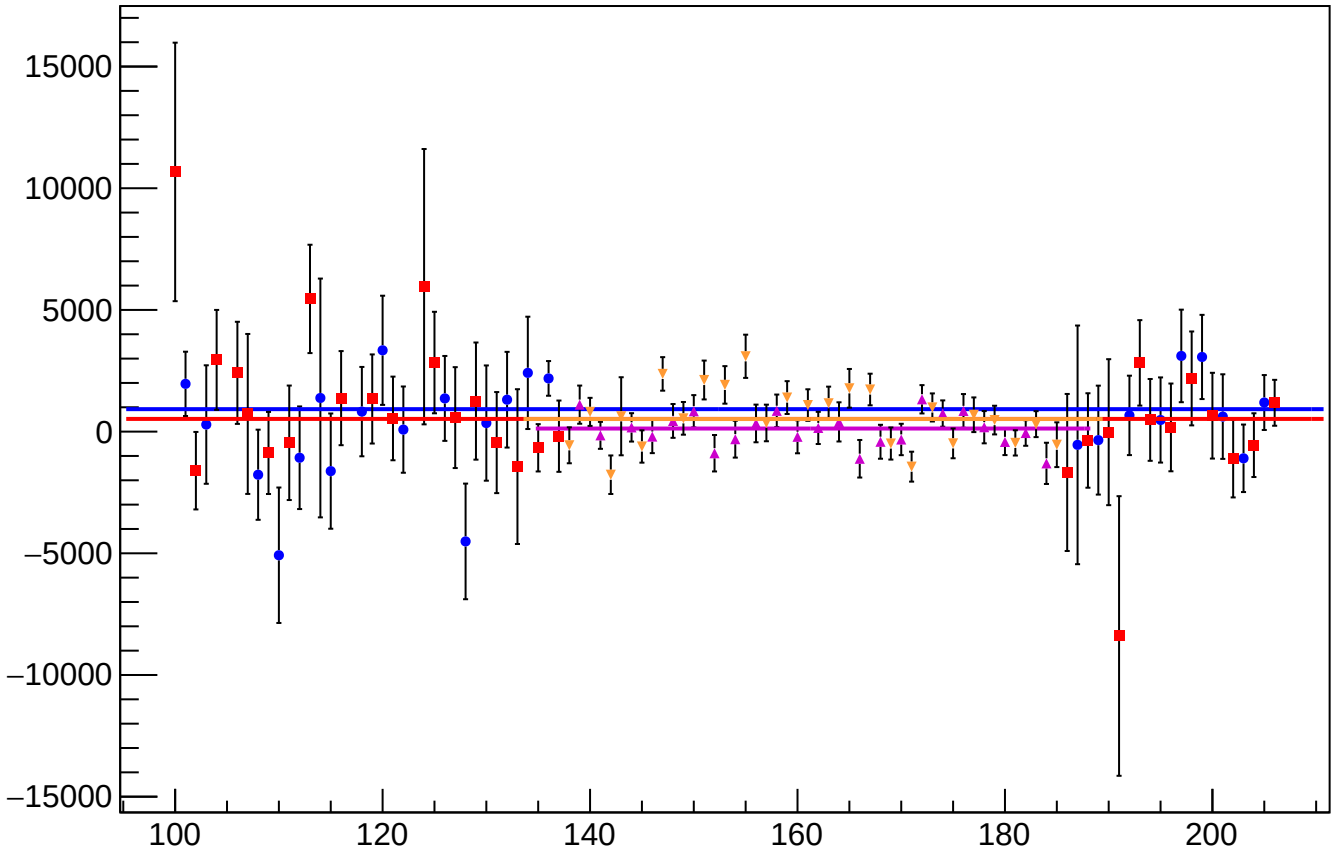
Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.956+/-0.154 χ^2/NDF: 731139.9/49

All: 1251.127+/-0.108 χ^2/NDF: 1278631.8/10

- sign 1250.326+/-0.151 χ^2/NDF: 547434.9/53



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

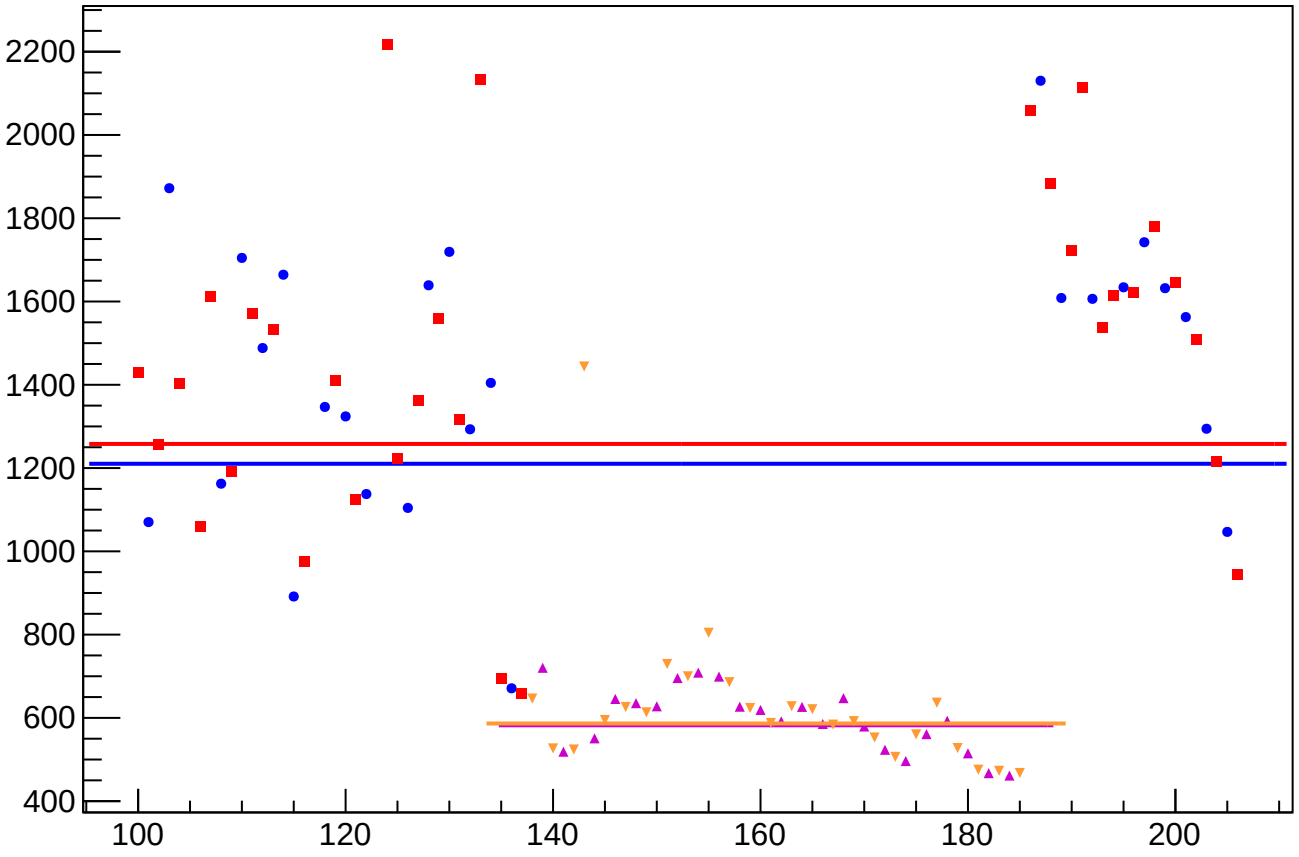
Right Out: 521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 572.987+/-126.011 χ^2/NDF: 93.7/49

All: 380.199+/-89.308 χ^2/NDF: 147.4/103

\- sign 185.631+/-126.591 χ^2/NDF: 49.0/53



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

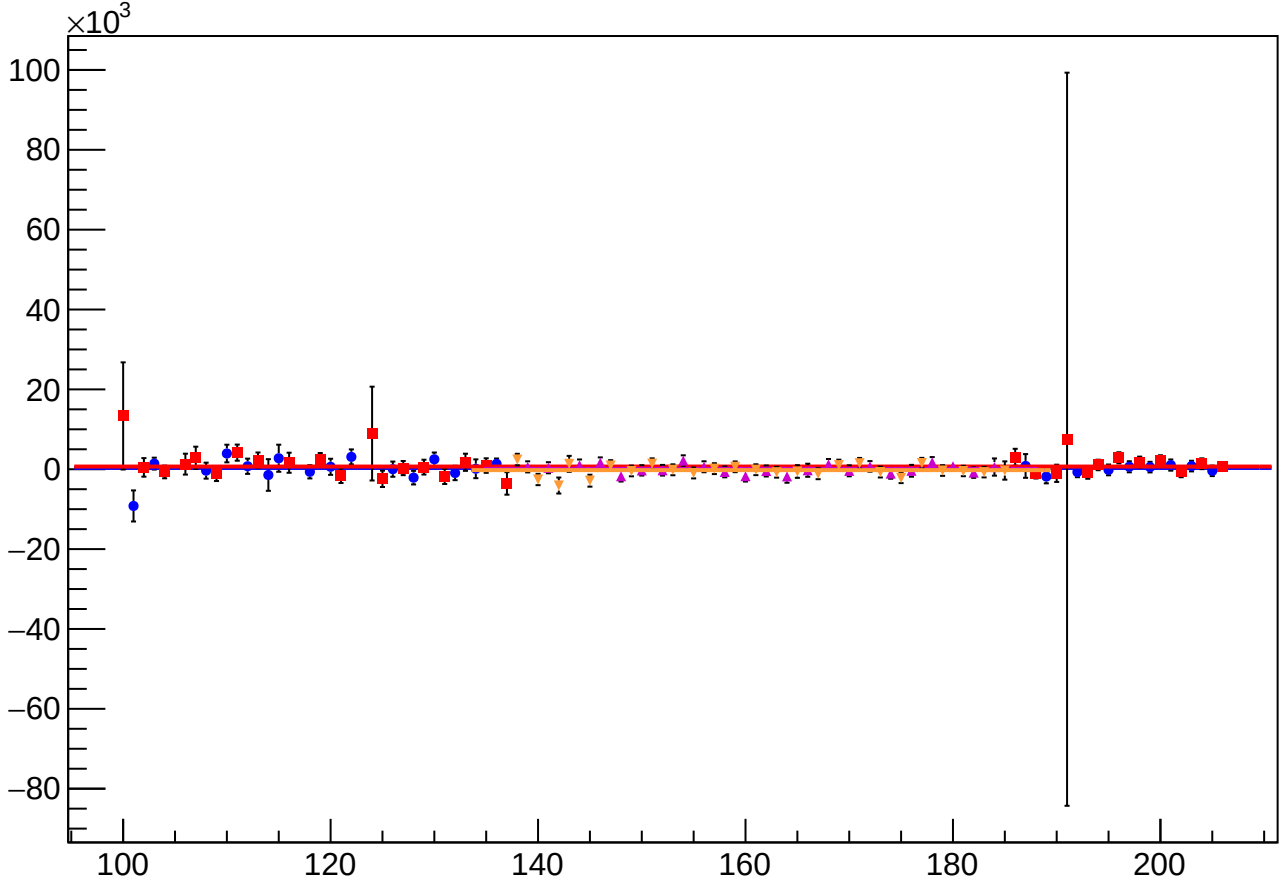
Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 672.825+/-0.089 χ^2/NDF: 9487723.4/49

All: 677.991+/-0.063 χ^2/NDF: 19907995.1/10

- sign 683.204+/-0.090 χ^2/NDF: 10413518.6/53



Right In: 328.770+/-340.273 χ^2/NDF: 20.5/24

Left Out: -220.755+/-283.055 χ^2/NDF:23.9/24

Right Out: 673.061+/-319.317 χ^2/NDF: 27.3/30

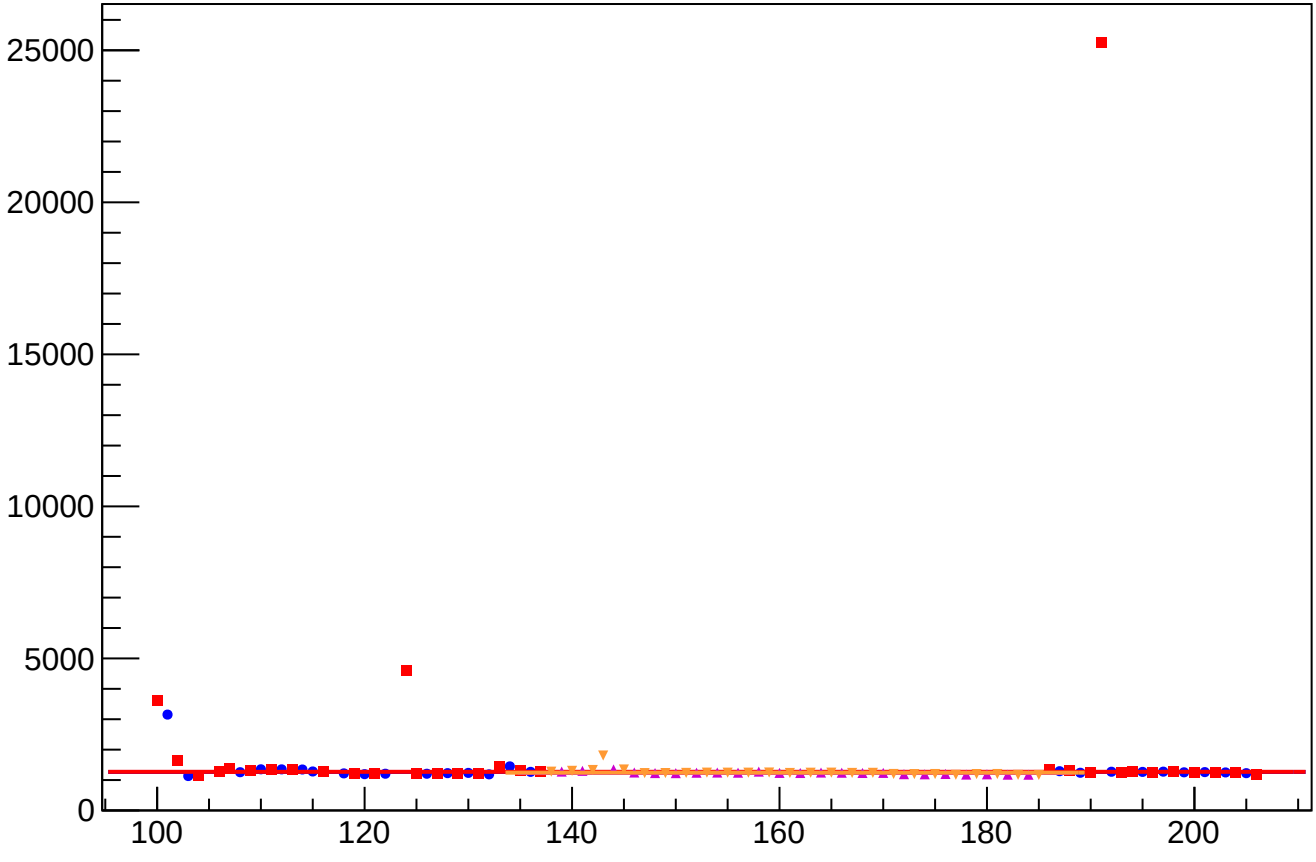
Left In: 92.472+/-288.217 χ^2/NDF:14.7/22

+ sign 3.985+/-217.608 χ^2/NDF: 46.0/49

All: 181.511+/-152.563 χ^2/NDF: 91.1/103

- sign 353.123+/-213.953 χ^2/NDF: 43.8/53

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1265.152+/-0.241 χ^2/NDF: 522751.6/24

Left Out: 1242.825+/-0.200 χ^2/NDF:203299.1/24

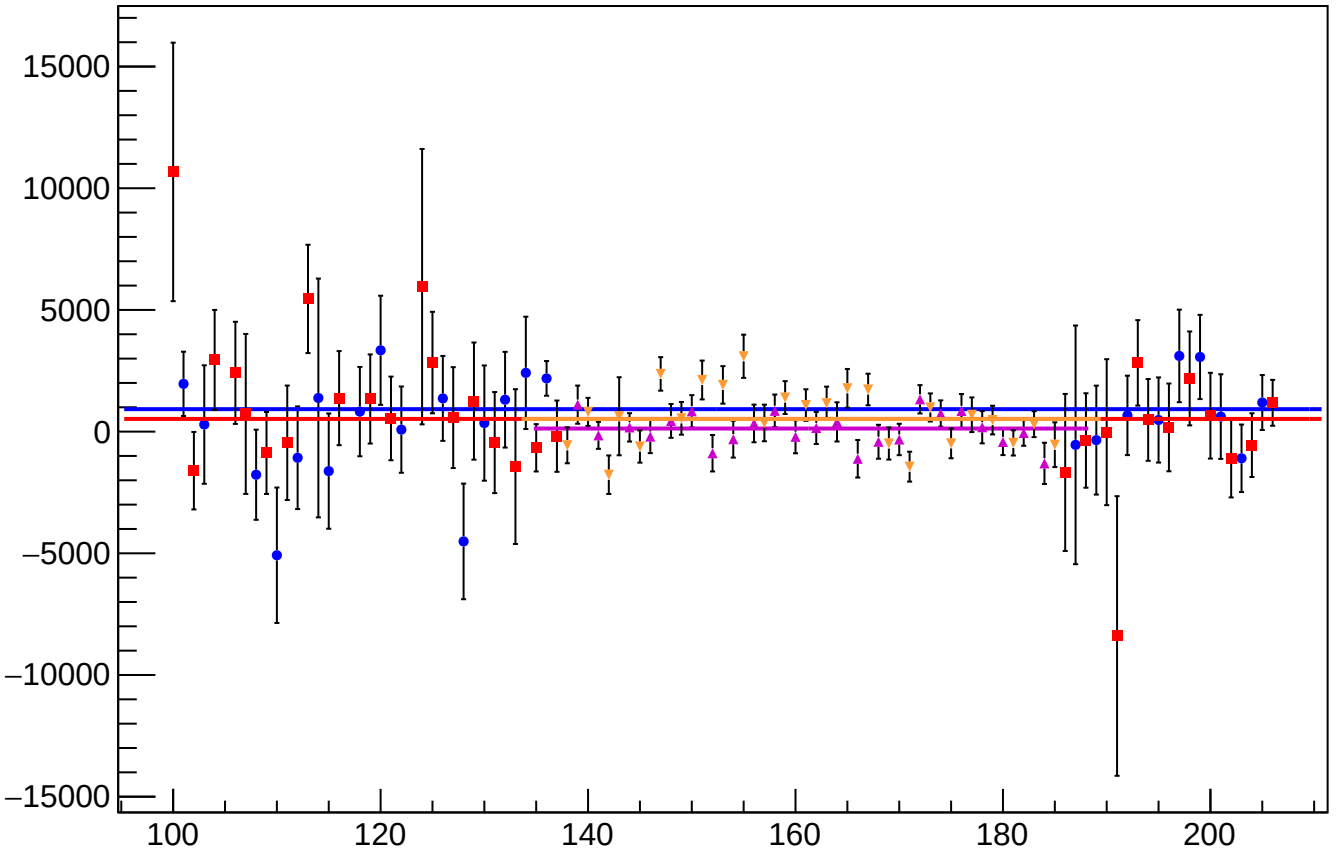
Right Out: 1270.669+/-0.226 χ^2/NDF: 493421.8/30

Left In: 1233.752+/-0.204 χ^2/NDF:39281.7/22

+ sign 1251.956+/-0.154 χ^2/NDF: 731139.9/49

All: 1251.127+/-0.108 χ^2/NDF: 1278631.8/10

- sign 1250.326+/-0.151 χ^2/NDF: 547434.9/53



Right In: 922.987+/-338.838 χ^2/NDF: 25.4/24

Left Out: 516.811+/-135.747 χ^2/NDF:67.0/24

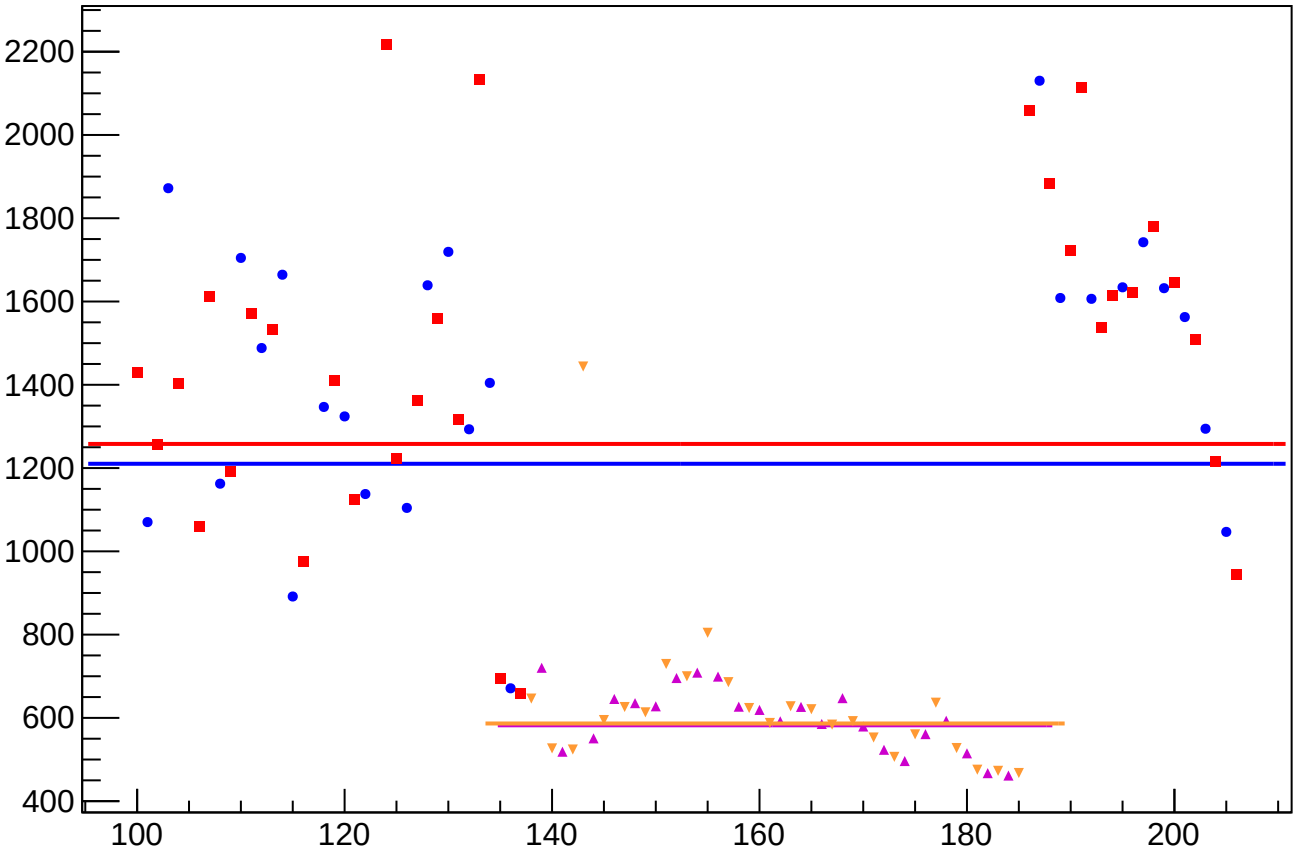
Right Out: 521.783+/-327.419 χ^2/NDF: 26.2/30

Left In: 126.549+/-137.266 χ^2/NDF:21.6/22

\+ sign 572.987+/-126.011 χ^2/NDF: 93.7/49

All: 380.199+/-89.308 χ^2/NDF: 147.4/103

\- sign 185.631+/-126.591 χ^2/NDF: 49.0/53



Right In: 1210.288+/-0.240 χ^2/NDF: 2445222.2/24

Left Out: 586.562+/-0.096 χ^2/NDF:1202822.0/24

Right Out: 1257.943+/-0.232 χ^2/NDF: 2608519.4/30

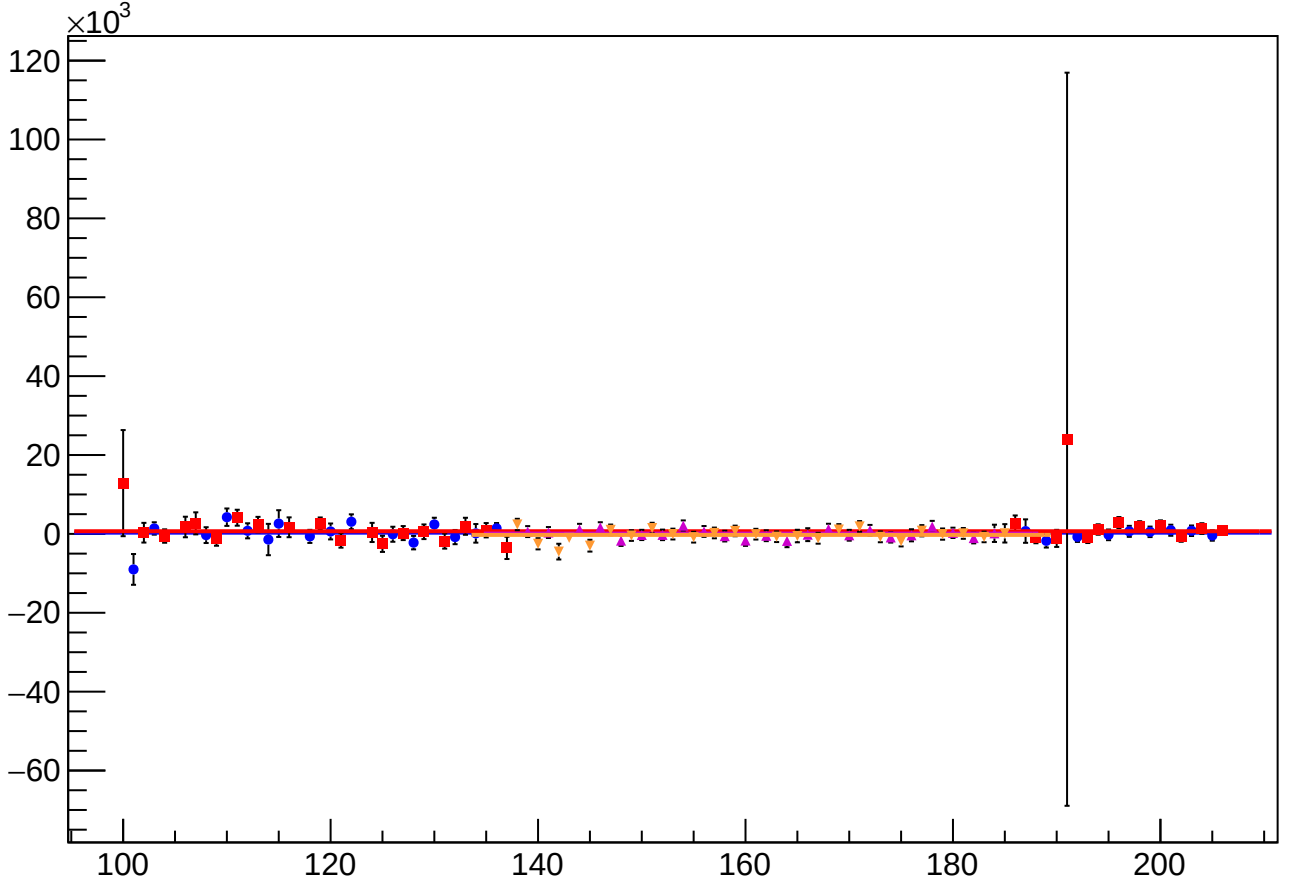
Left In: 582.189+/-0.097 χ^2/NDF:559258.0/22

+ sign 672.825+/-0.089 χ^2/NDF: 9487723.4/49

All: 677.991+/-0.063 χ^2/NDF: 19907995.1/10

- sign 683.204+/-0.090 χ^2/NDF: 10413518.6/53

dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 315.623+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.849+/-279.923 χ^2/NDF:24.0/24

Right Out: 672.726+/-318.435 χ^2/NDF: 26.8/30

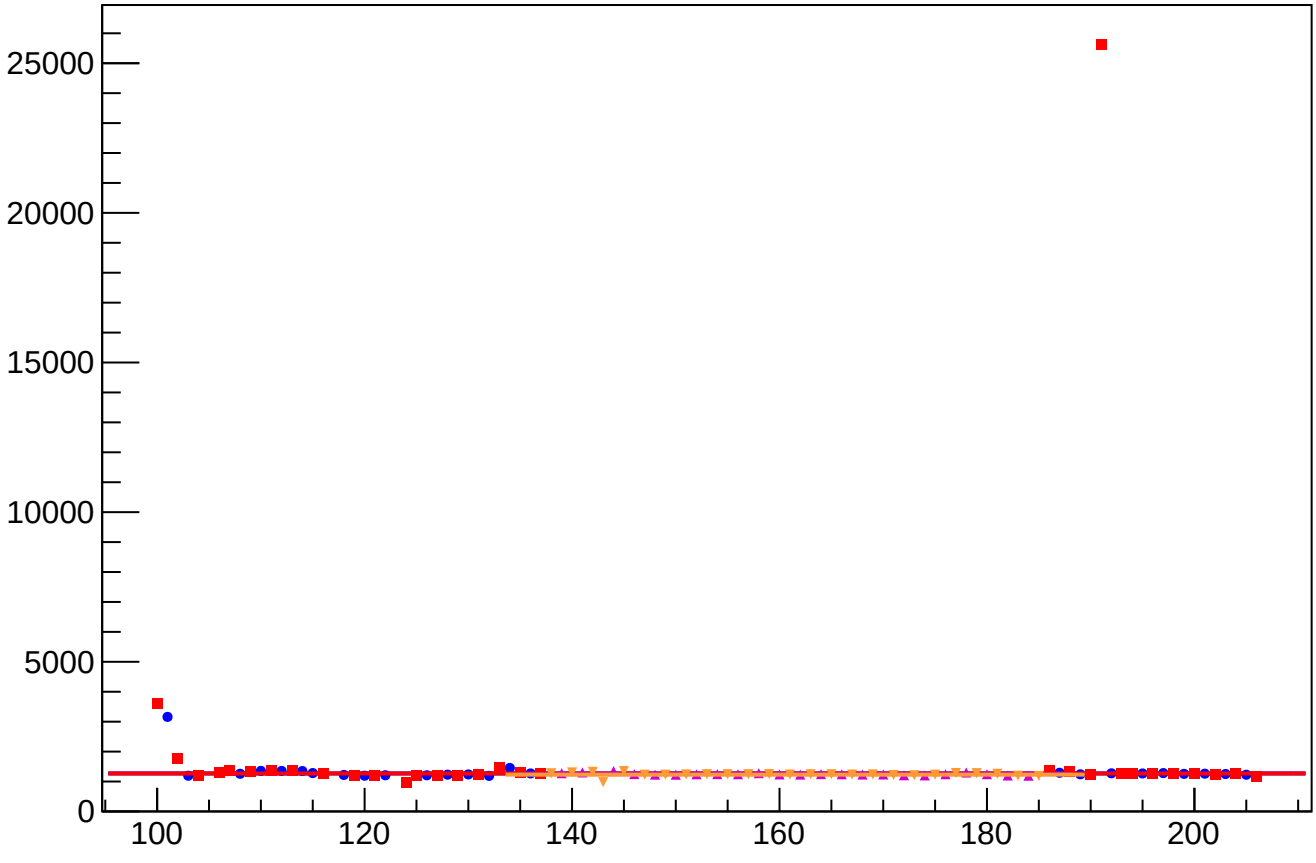
Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -23.271+/-216.511 χ^2/NDF: 46.2/49

All: 163.371+/-152.559 χ^2/NDF: 90.4/103

- sign 347.411+/-214.998 χ^2/NDF: 42.8/53

dit_asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.0/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141607.5/24

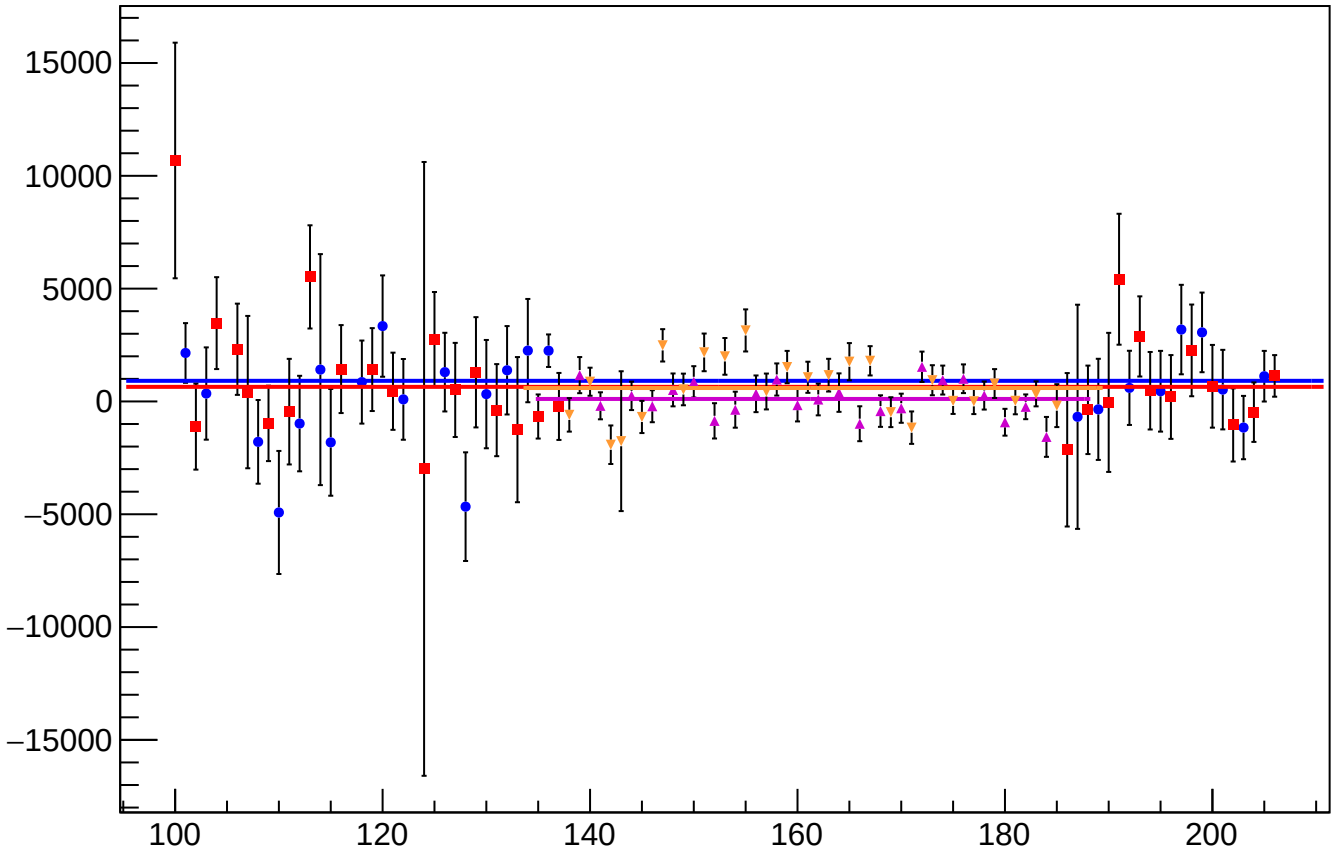
Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.8/30

Left In: 1247.785+/-0.206 χ^2/NDF:27340.8/22

+ sign 1246.172+/-0.153 χ^2/NDF: 670087.7/49

All: 1251.842+/-0.108 χ^2/NDF: 1089583.8/10

- sign 1257.432+/-0.152 χ^2/NDF: 416772.2/53



Right In: 913.813+/-339.981 χ^2/NDF: 26.0/24

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

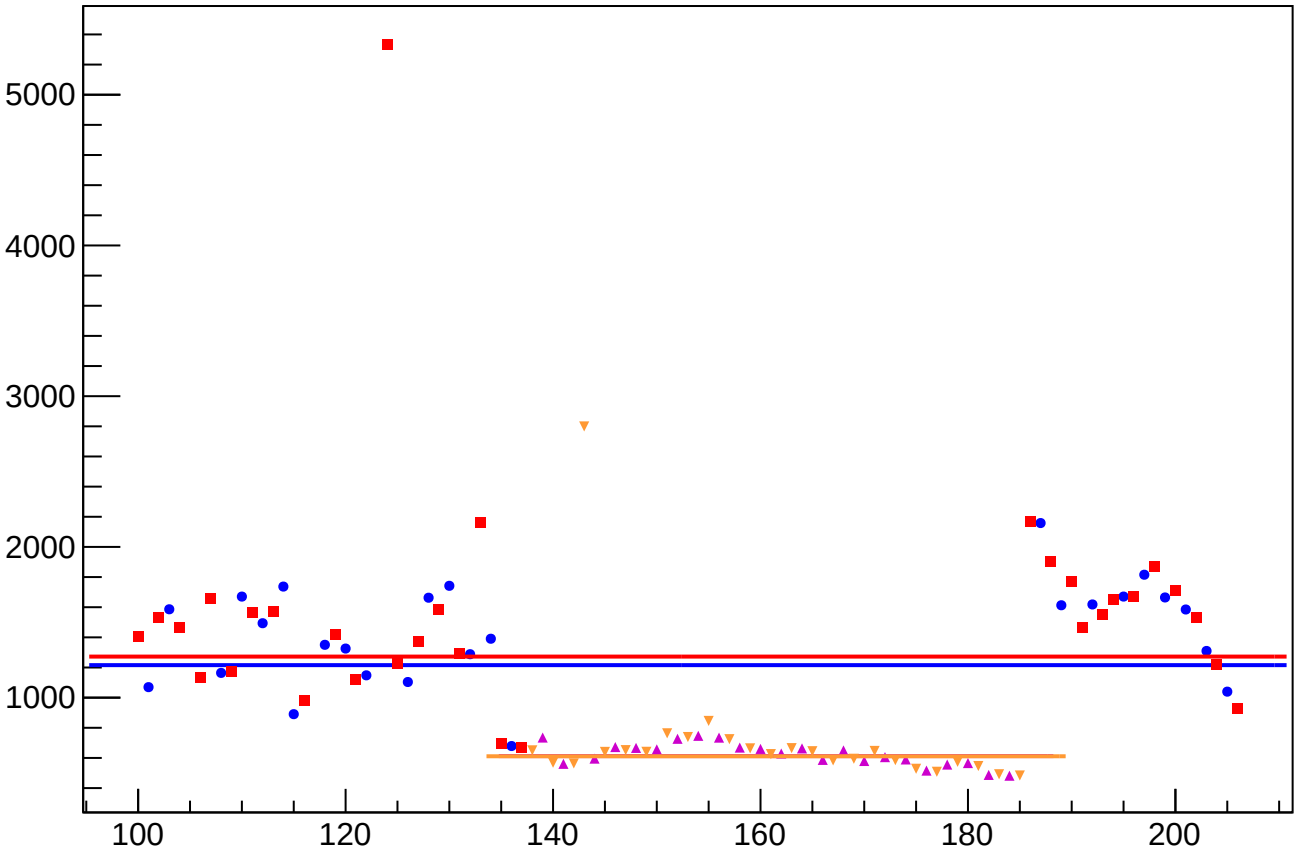
Right Out: 646.367+/-330.082 χ^2/NDF: 25.2/30

Left In: 110.252+/-144.232 χ^2/NDF:25.7/22

+ sign 642.429+/-131.133 χ^2/NDF: 84.1/49

All: 421.067+/-93.088 χ^2/NDF: 143.0/103

- sign 196.203+/-132.166 χ^2/NDF: 53.1/53



Right In: 1215.679+/-0.240 χ^2/NDF: 2396296.4/24

Left Out: 611.087+/-0.101 χ^2/NDF:1619322.3/24

Right Out: 1272.435+/-0.233 χ^2/NDF: 2900084.3/30

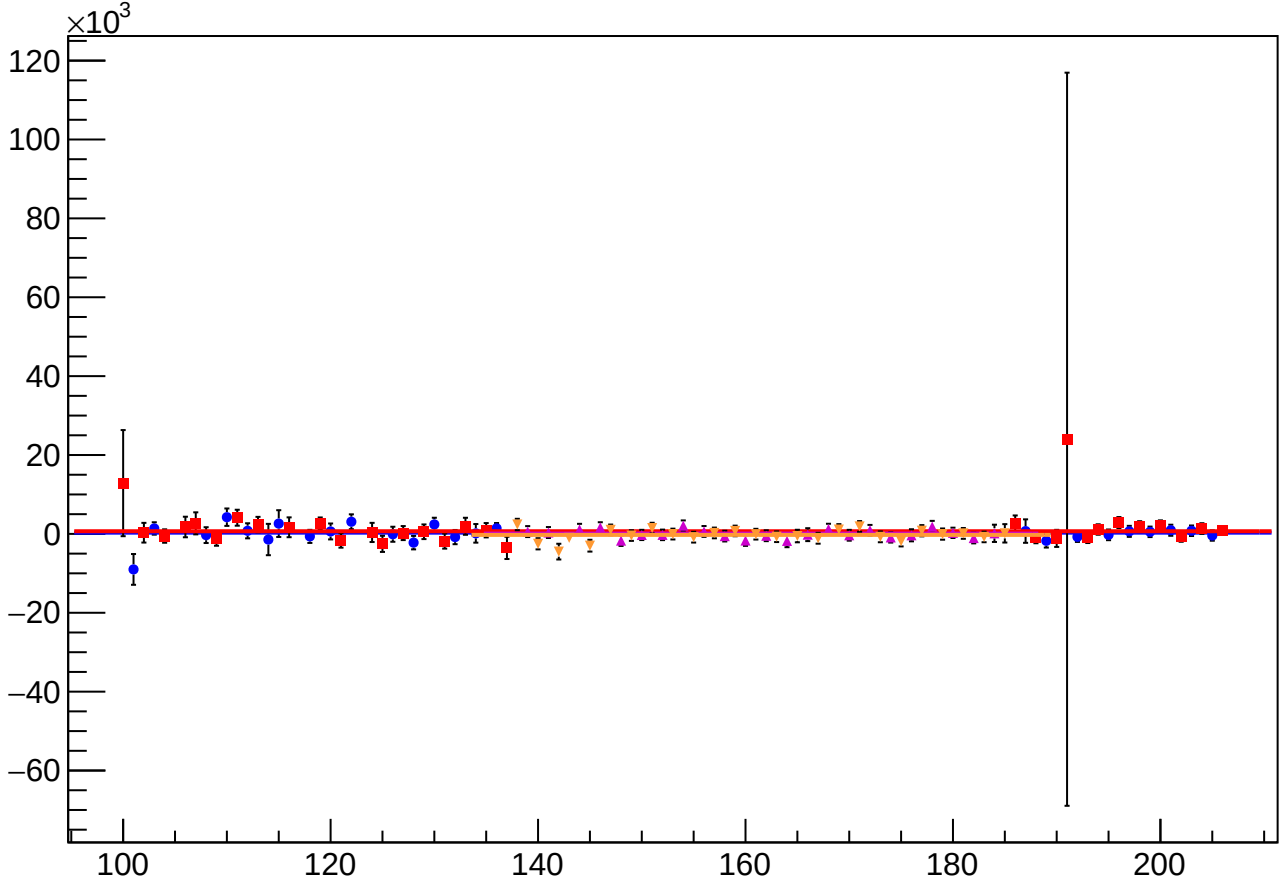
Left In: 612.399+/-0.102 χ^2/NDF:508595.4/22

+ sign 701.031+/-0.093 χ^2/NDF: 9399485.1/49

All: 709.557+/-0.066 χ^2/NDF: 19540016.5/10

- sign 718.217+/-0.093 χ^2/NDF: 10123490.1/53

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: 315.624+/-341.589 χ^2/NDF: 20.5/24

Left Out: -250.851+/-279.923 χ^2/NDF:24.0/24

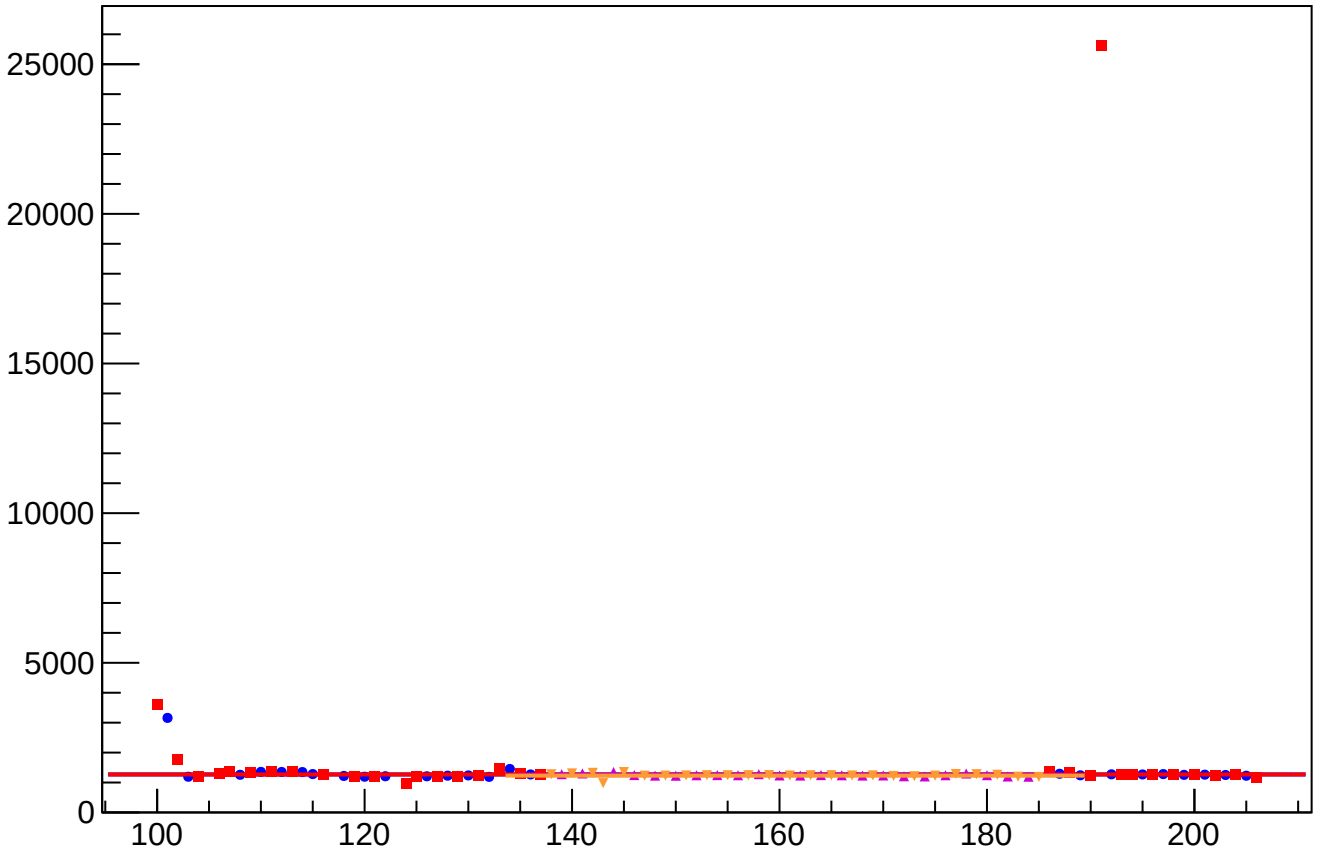
Right Out: 672.725+/-318.435 χ^2/NDF: 26.8/30

Left In: 74.881+/-291.458 χ^2/NDF:14.0/22

+ sign -23.271+/-216.511 χ^2/NDF: 46.2/49

All: 163.370+/-152.559 χ^2/NDF: 90.4/103

- sign 347.411+/-214.998 χ^2/NDF: 42.8/53



Right In: 1270.274+/-0.242 χ^2/NDF: 511836.1/24

Left Out: 1229.986+/-0.198 χ^2/NDF:141606.6/24

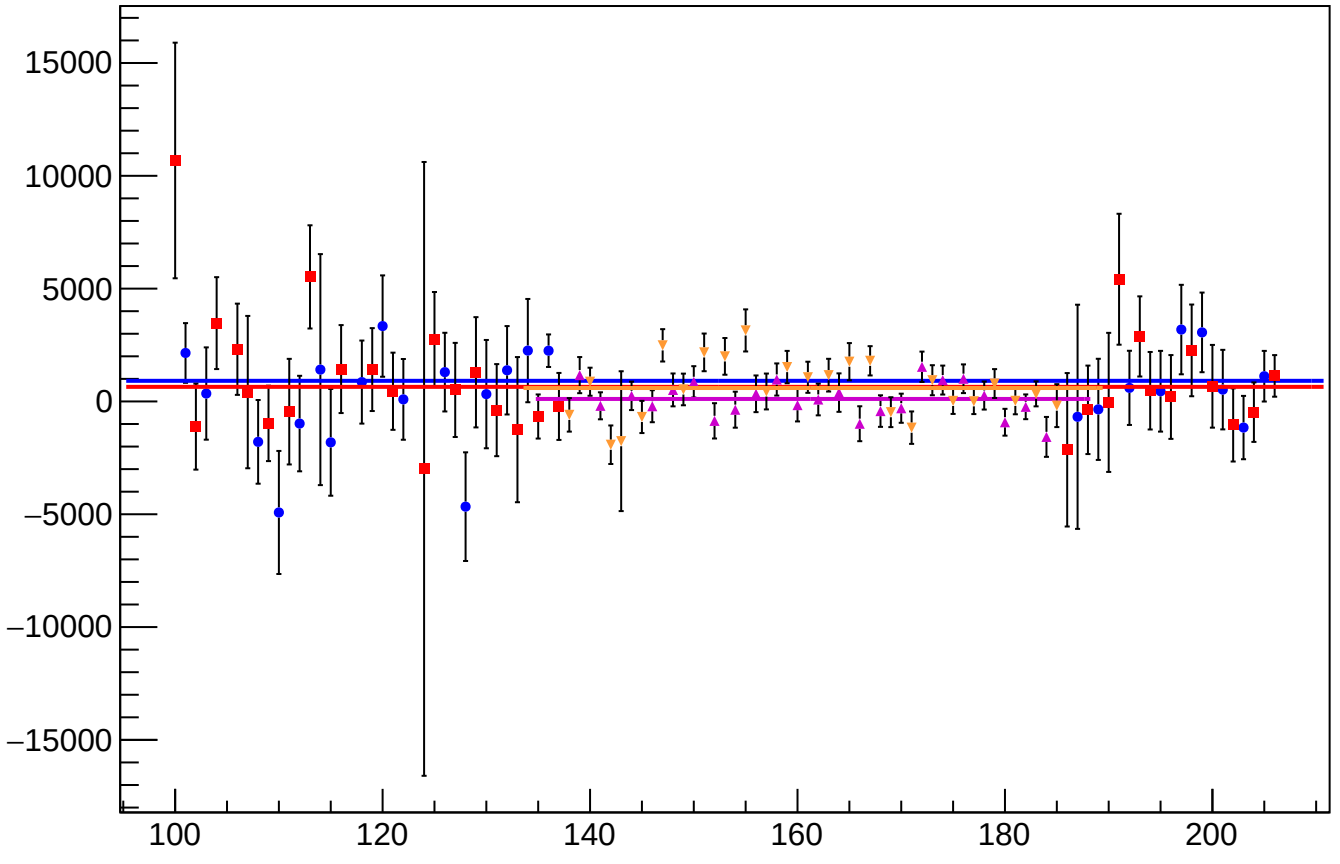
Right Out: 1268.948+/-0.225 χ^2/NDF: 384624.6/30

Left In: 1247.785+/-0.206 χ^2/NDF:27340.7/22

+ sign 1246.172+/-0.153 χ^2/NDF: 670086.9/49

All: 1251.841+/-0.108 χ^2/NDF: 1089582.7/10

- sign 1257.432+/-0.152 χ^2/NDF: 416772.0/53



Right In: 913.809+/-339.982 χ^2/NDF: 26.0/24

Left Out: 595.000+/-142.130 χ^2/NDF:57.3/24

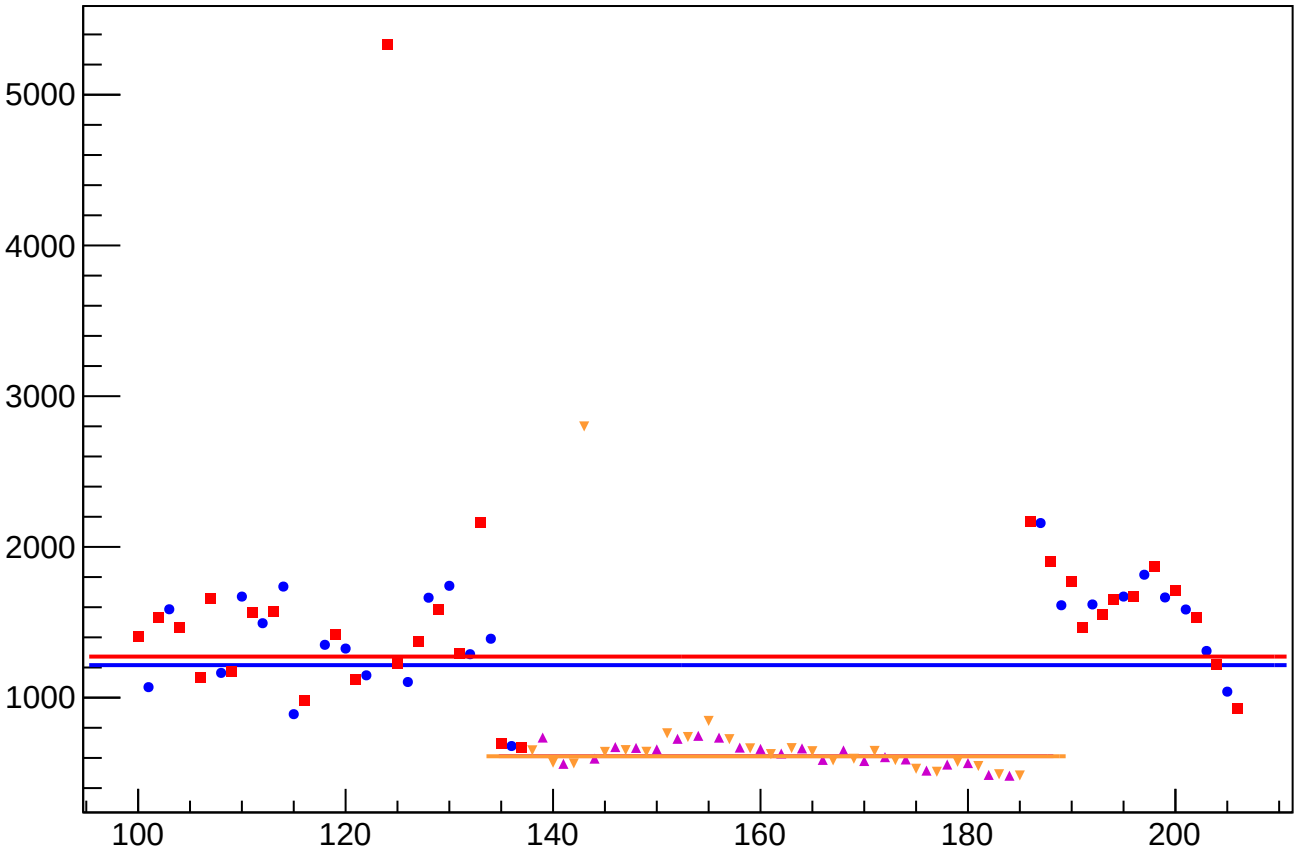
Right Out: 646.374+/-330.083 χ^2/NDF: 25.2/30

Left In: 110.251+/-144.232 χ^2/NDF:25.7/22

+ sign 642.429+/-131.133 χ^2/NDF: 84.1/49

All: 421.067+/-93.088 χ^2/NDF: 143.0/103

- sign 196.203+/-132.166 χ^2/NDF: 53.1/53



Right In: 1215.683+/-0.240 χ^2/NDF: 2396224.4/24

Left Out: 611.086+/-0.101 χ^2/NDF:1619319.5/24

Right Out: 1272.438+/-0.233 χ^2/NDF: 2900033.6/30

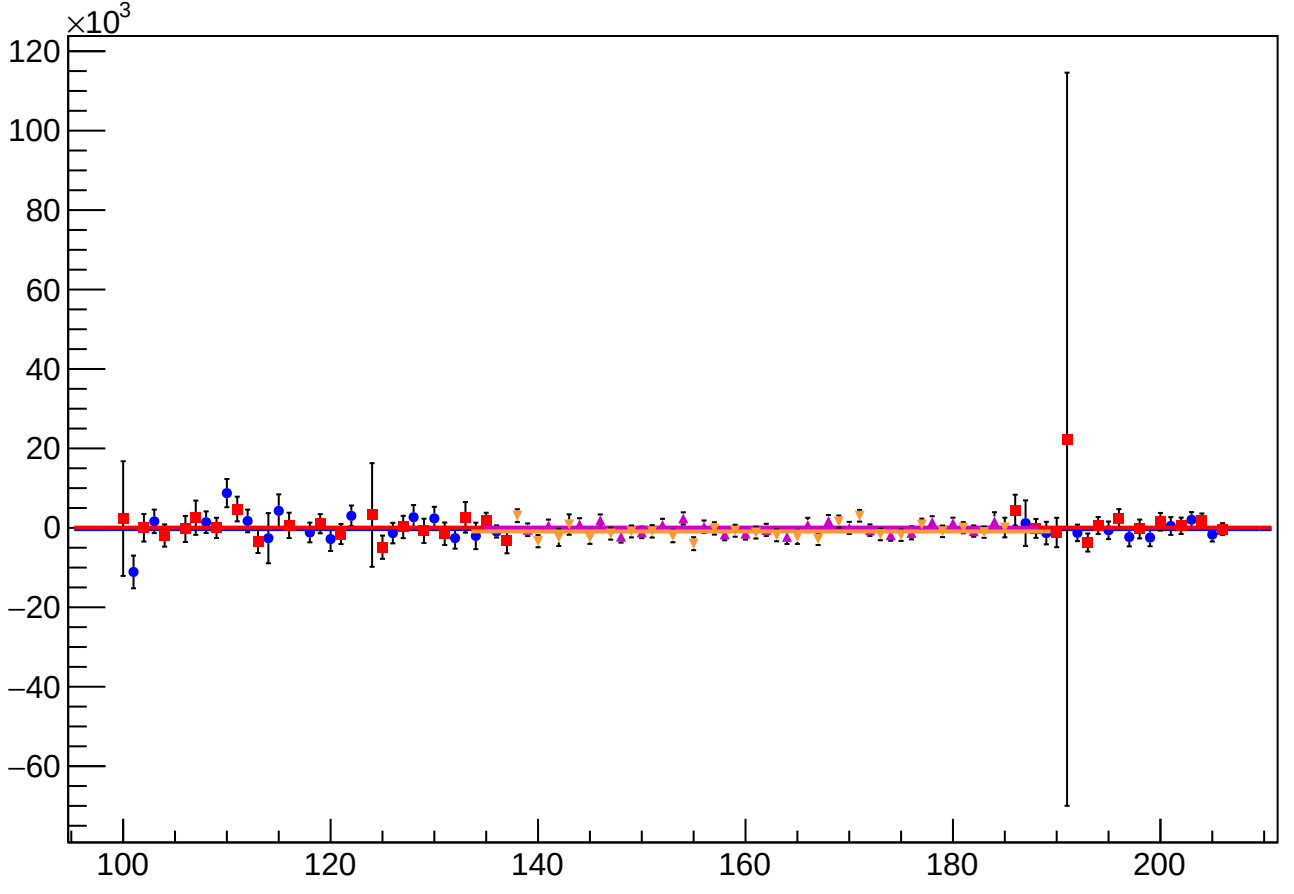
Left In: 612.398+/-0.102 χ^2/NDF:508597.7/22

+ sign 701.031+/-0.093 χ^2/NDF: 9399466.7/49

All: 709.557+/-0.066 χ^2/NDF: 19540003.3/10

- sign 718.217+/-0.093 χ^2/NDF: 10123496.4/53

asym_at1_dd_at2_dd_avg_mean vs Slug



Right In: -312.564+/-511.490 χ^2/NDF: 26.0/24

Left Out: -899.894+/-316.449 χ^2/NDF:29.8/24

Right Out: 60.104+/-482.403 χ^2/NDF: 17.2/30

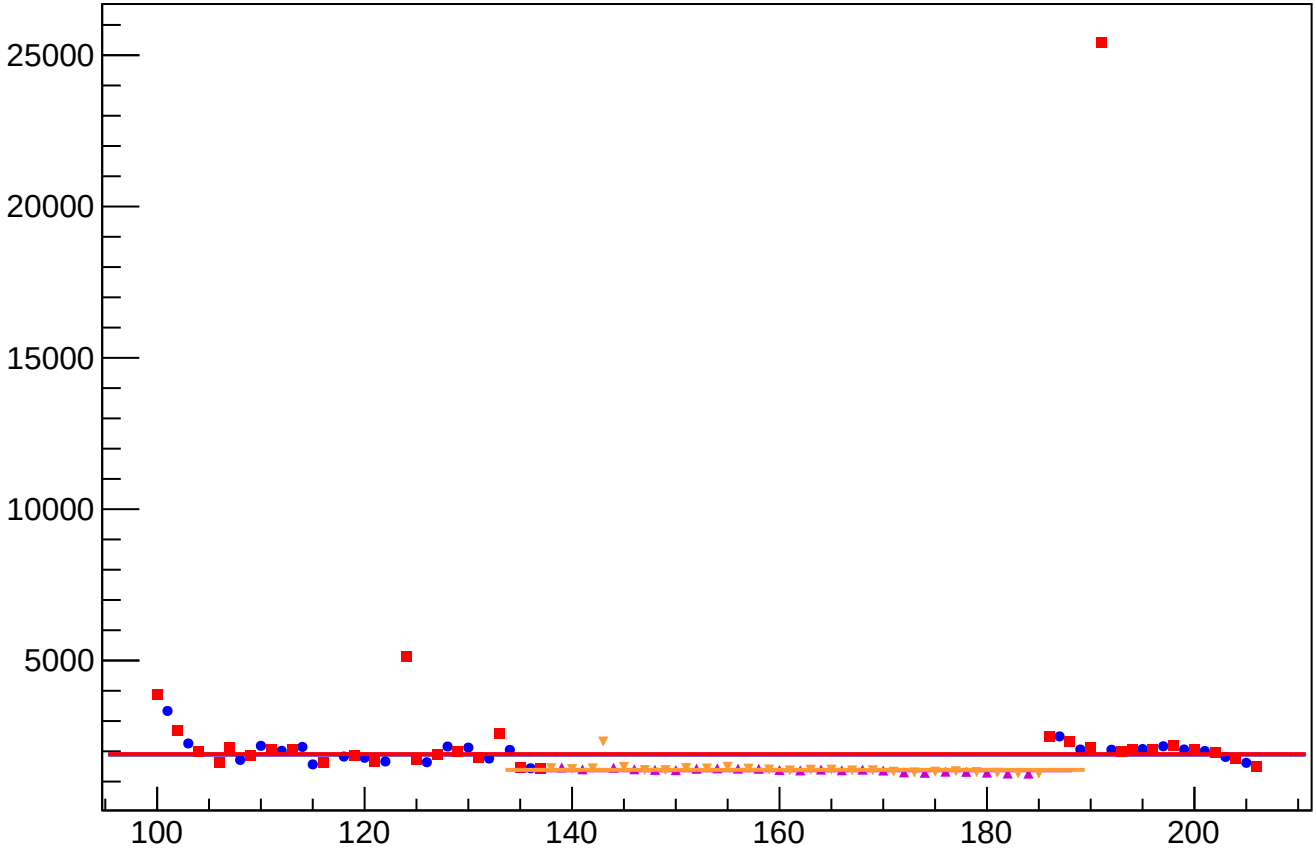
Left In: -48.178+/-320.929 χ^2/NDF:17.9/22

+ sign -737.315+/-269.110 χ^2/NDF: 56.7/49

All: -373.565+/-189.611 χ^2/NDF: 95.5/103

- sign -14.957+/-267.201 χ^2/NDF: 35.1/53

asym_at1_dd_at2_dd_avg_rms vs Slug



Right In: 1892.440+/-0.362 χ^2/NDF: 719414.2/24

Left Out: 1386.845+/-0.224 χ^2/NDF:339794.5/24

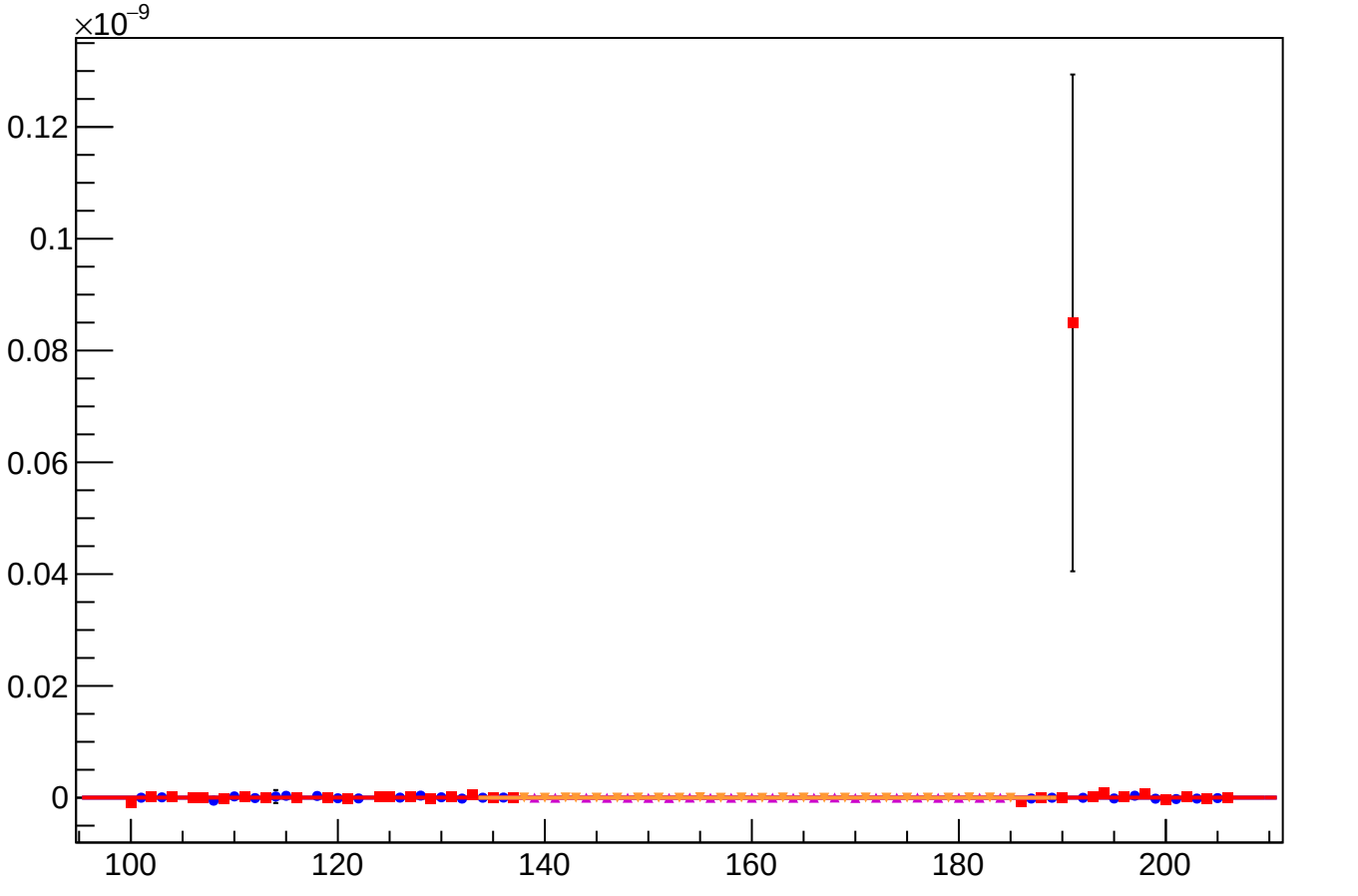
Right Out: 1905.838+/-0.341 χ^2/NDF: 991223.5/30

Left In: 1373.217+/-0.227 χ^2/NDF:64467.6/22

+ sign 1526.800+/-0.190 χ^2/NDF: 2472442.6/49

All: 1531.748+/-0.134 χ^2/NDF: 5219561.3/10

- sign 1536.626+/-0.189 χ^2/NDF: 2745775.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.8/24

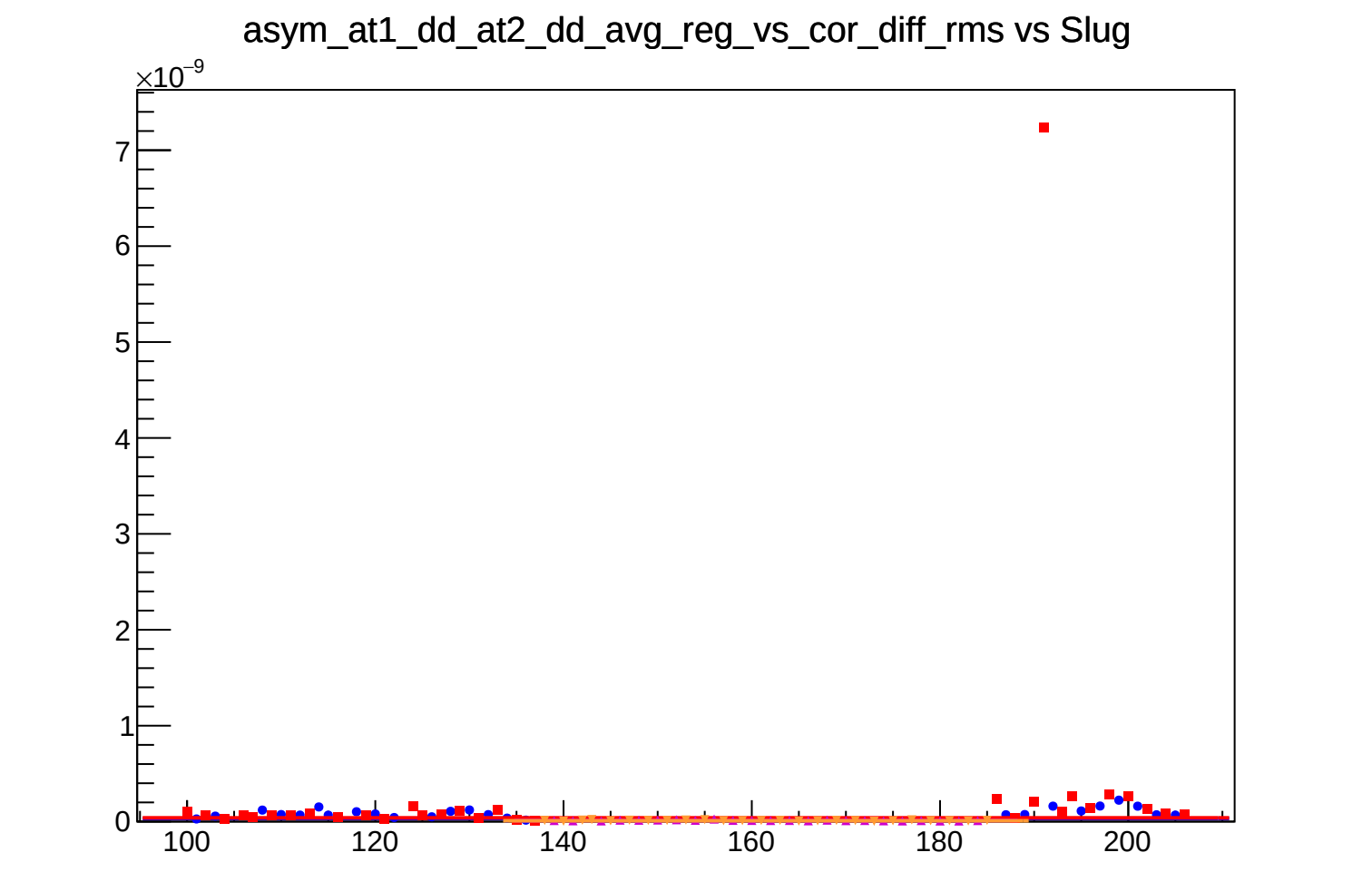
Right Out: 0.000+/-0.000 χ^2/NDF: 46.1/30

Left In: -0.000+/-0.000 χ^2/NDF:13.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 47.1/49

All: 0.000+/-0.000 χ^2/NDF: 108.5/103

- sign -0.000+/-0.000 χ^2/NDF: 60.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 5589797.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2148494.6/24

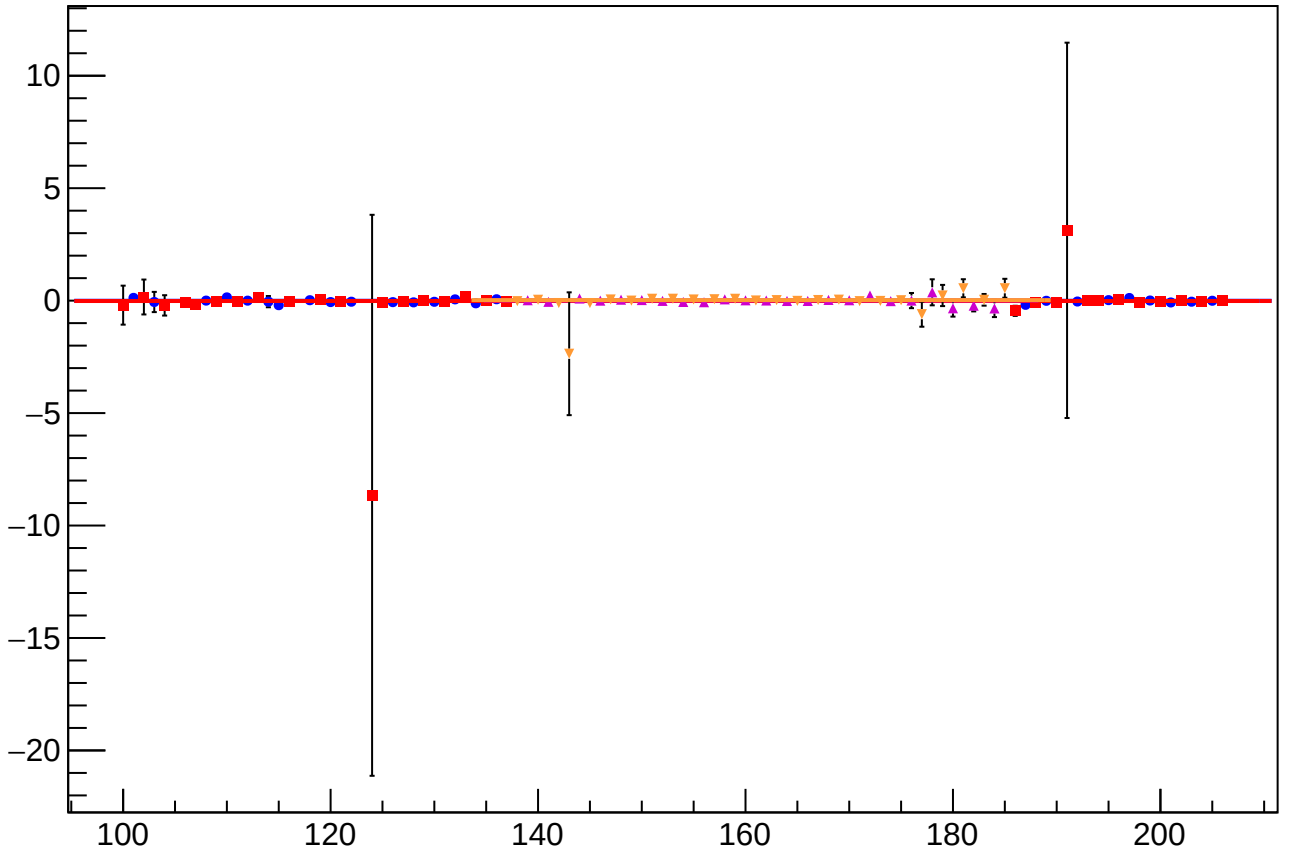
Right Out: 0.000+/-0.000 χ^2/NDF: 6427018.8/30

Left In: 0.000+/-0.000 χ^2/NDF:1232395.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11016416.2/49

All: 0.000+/-0.000 χ^2/NDF: 22819019.6/103

- sign 0.000+/-0.000 χ^2/NDF: 11504039.2/53



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

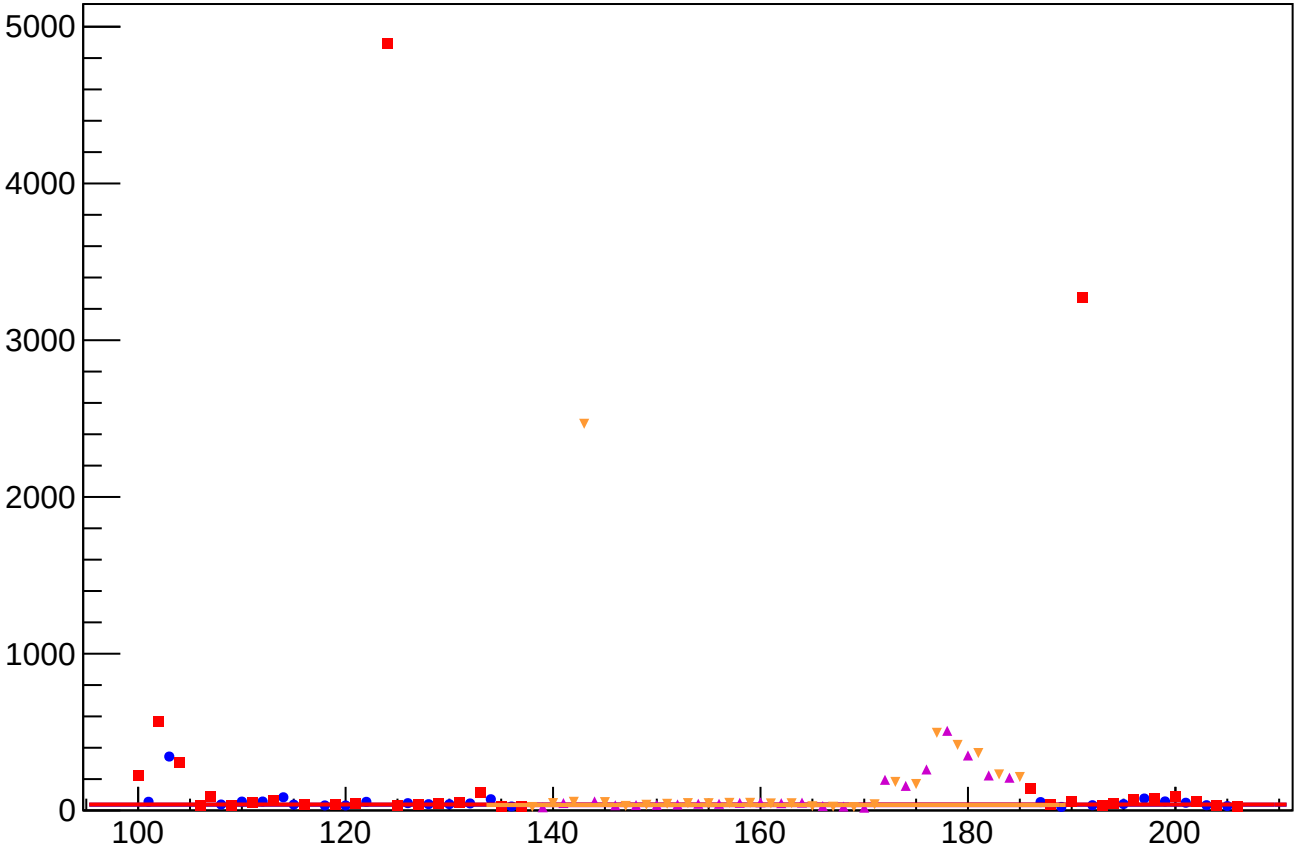
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/103

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

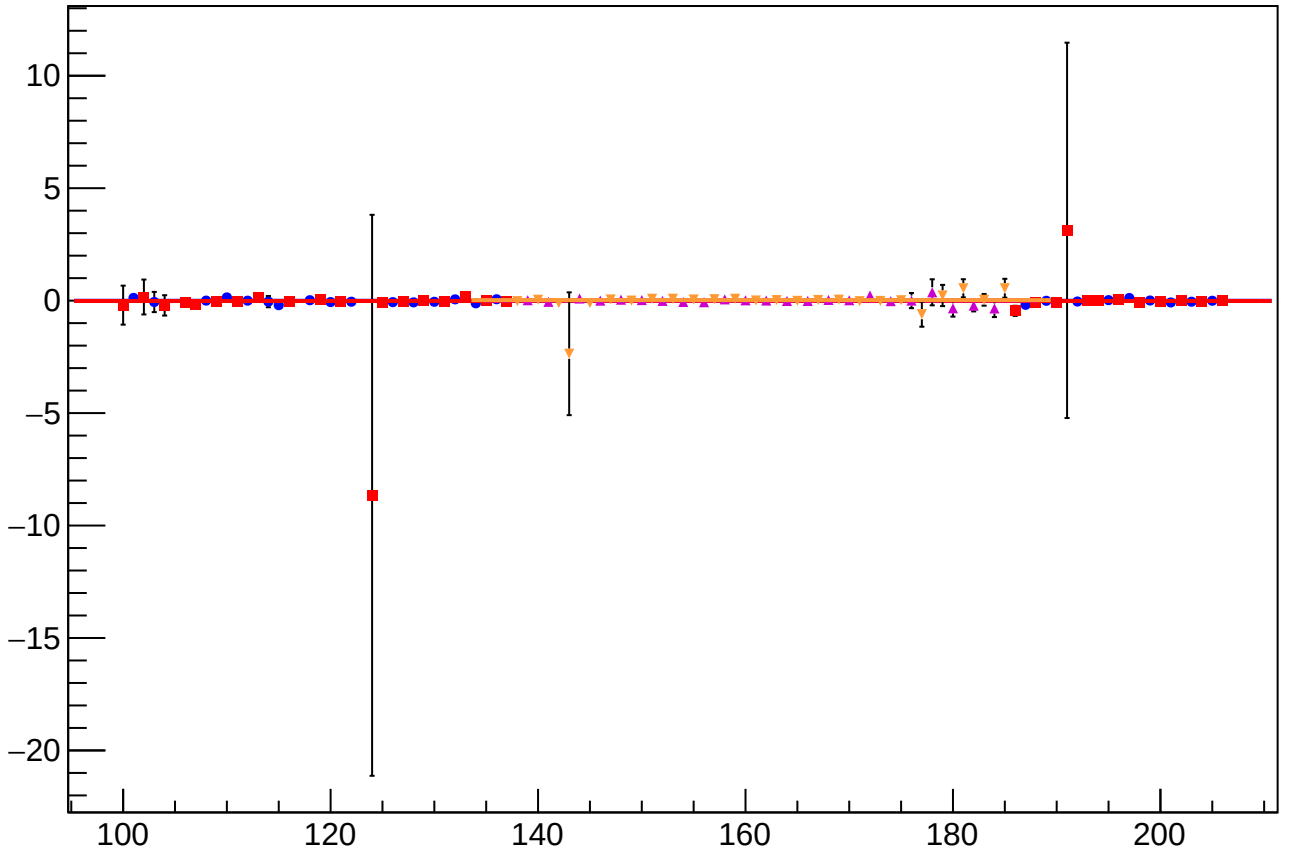
Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.481+/-0.005 χ^2/NDF: 14582342.7/49

All: 35.508+/-0.004 χ^2/NDF: 30670901.7/103

- sign 35.534+/-0.005 χ^2/NDF: 16088509.5/53



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

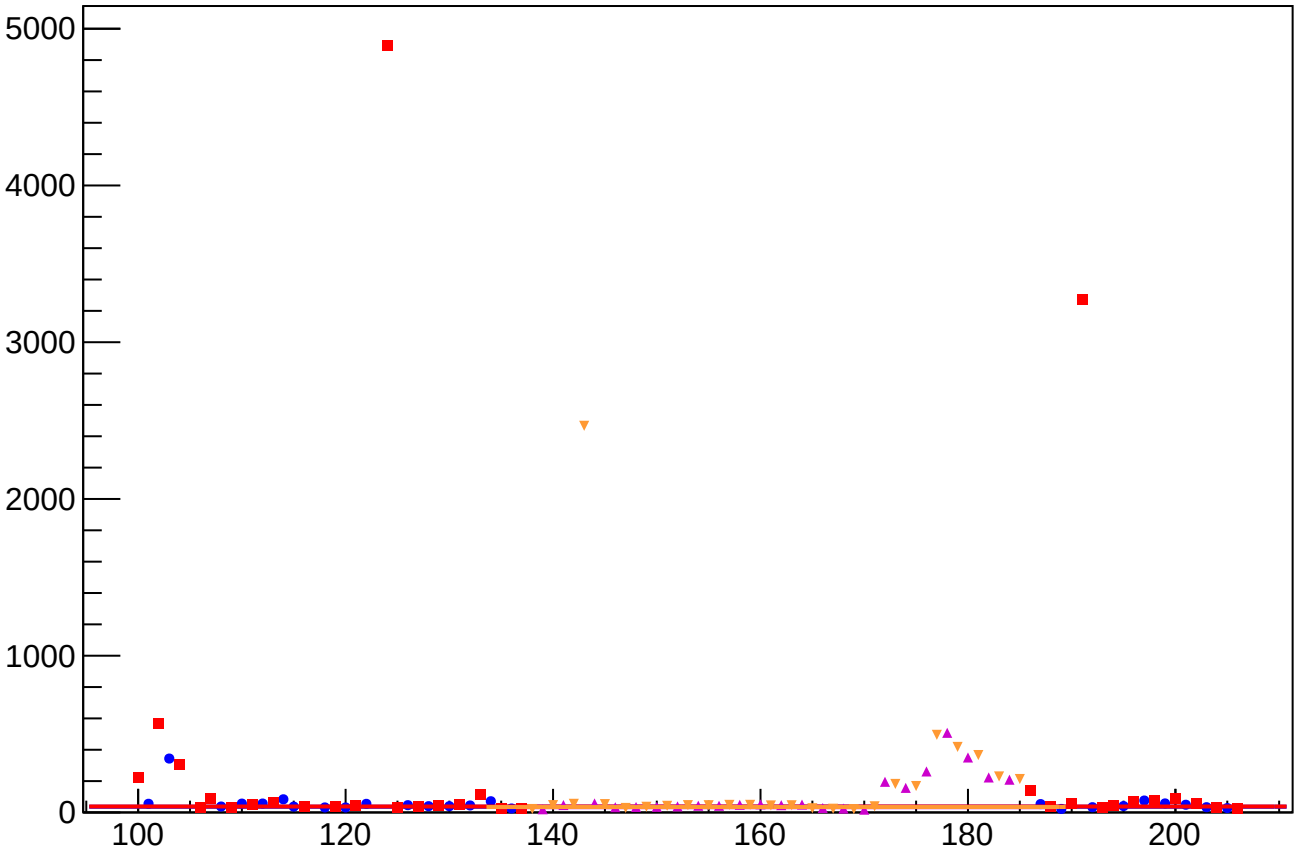
Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/103

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53



Right In: 36.516+/-0.008 χ^2/NDF: 3148722.6/24

Left Out: 34.624+/-0.007 χ^2/NDF:11402451.4/24

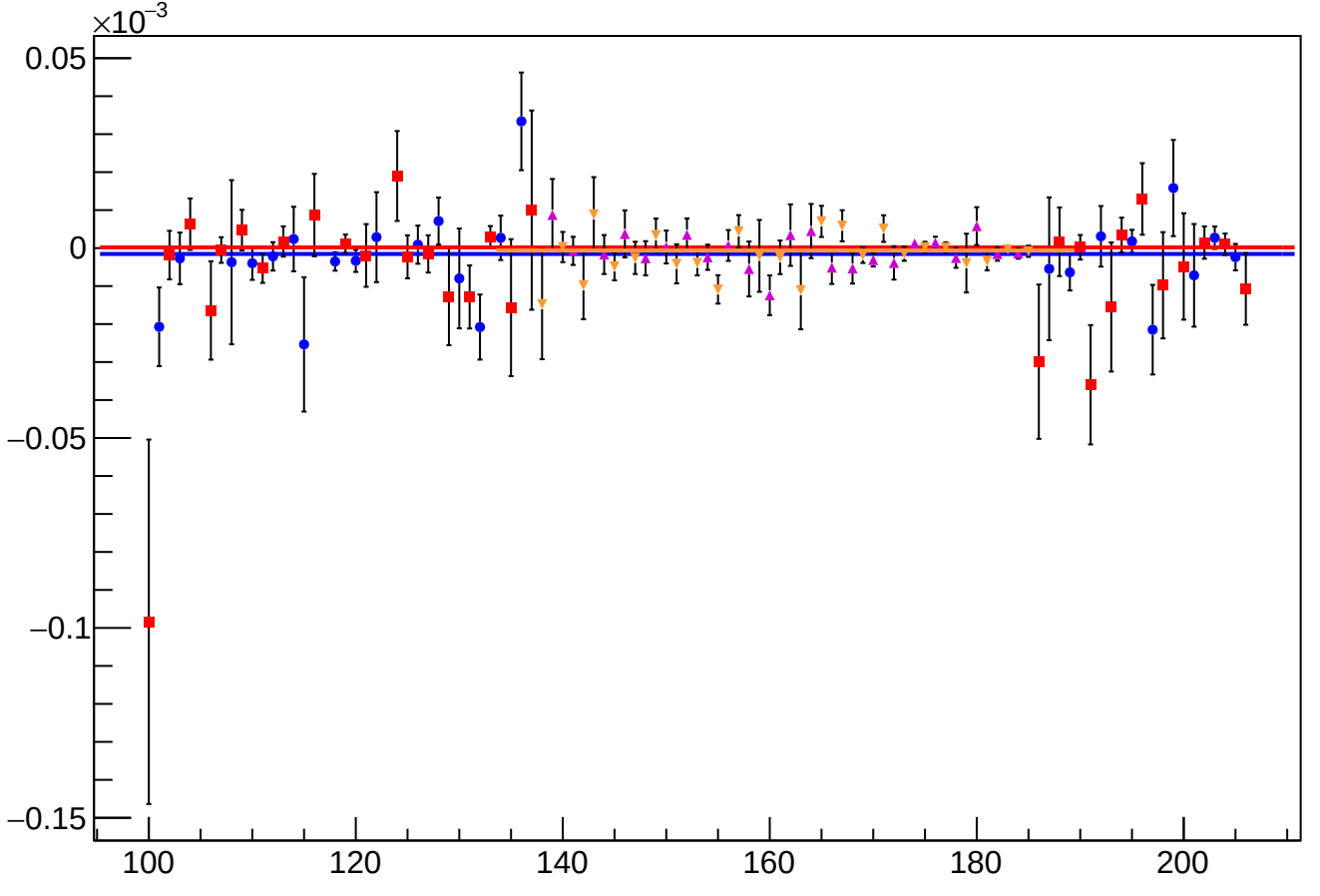
Right Out: 38.062+/-0.008 χ^2/NDF: 5845374.8/30

Left In: 33.592+/-0.007 χ^2/NDF:10067466.4/22

+ sign 35.481+/-0.005 χ^2/NDF: 14582342.7/49

All: 35.508+/-0.004 χ^2/NDF: 30670901.7/103

- sign 35.534+/-0.005 χ^2/NDF: 16088509.5/53



Right In: -0.000+/-0.000 χ^2/NDF: 32.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.4/24

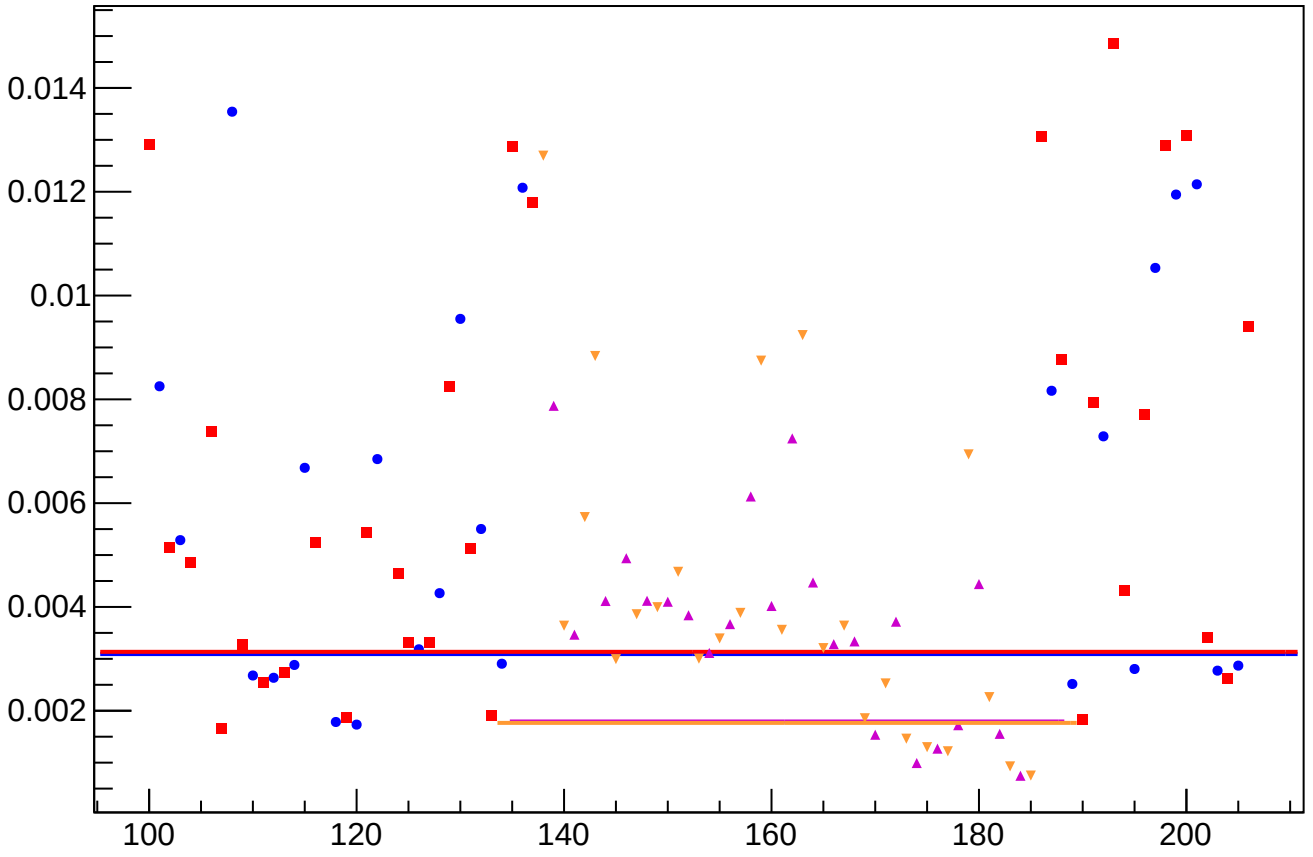
Right Out: 0.000+/-0.000 χ^2/NDF: 31.7/30

Left In: -0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 61.1/49

All: -0.000+/-0.000 χ^2/NDF: 115.6/103

- sign -0.000+/-0.000 χ^2/NDF: 54.2/53



Right In: 0.003+/-0.000 χ^2/NDF: 7654486.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:12926339.2/24

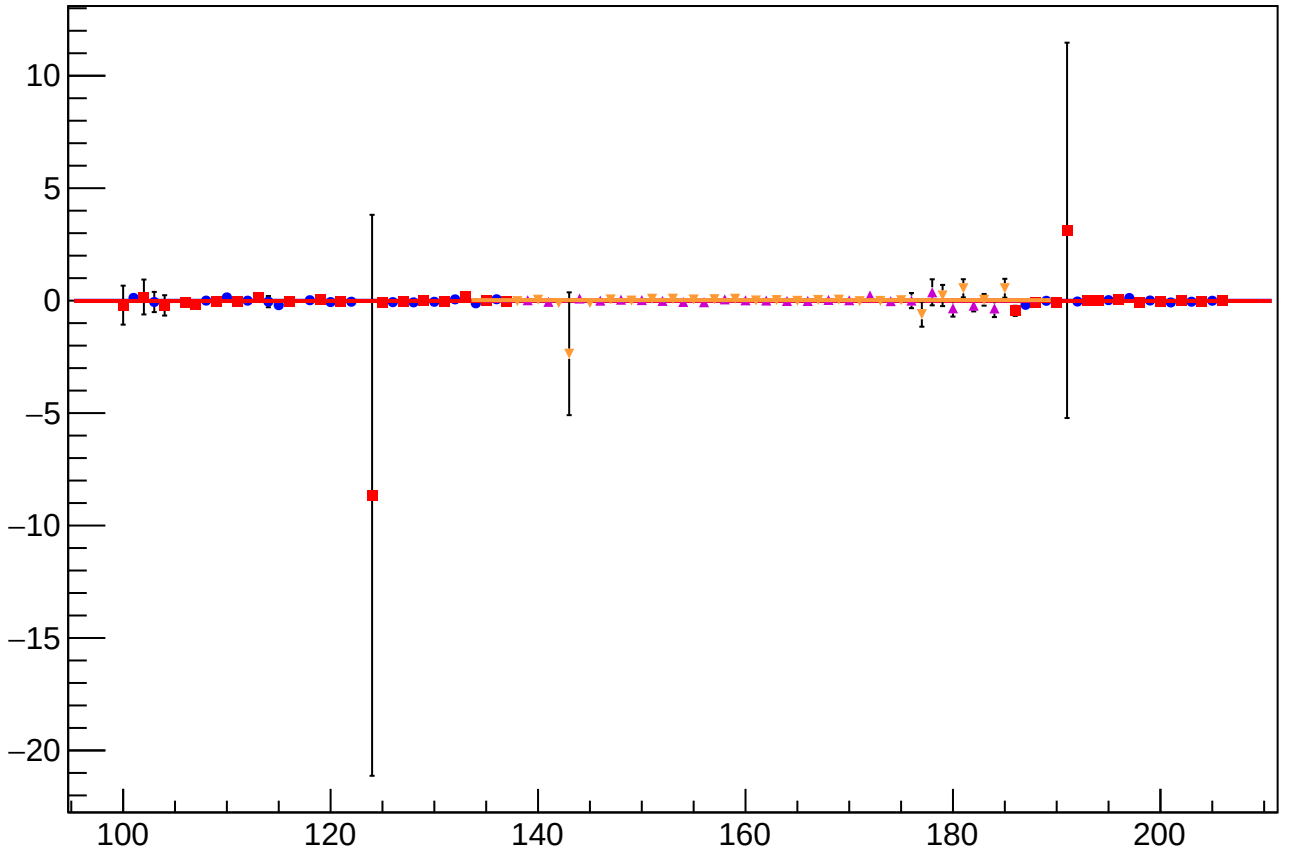
Right Out: 0.003+/-0.000 χ^2/NDF: 9758566.1/30

Left In: 0.002+/-0.000 χ^2/NDF:10766932.4/22

+ sign 0.002+/-0.000 χ^2/NDF: 23301889.6/49

All: 0.002+/-0.000 χ^2/NDF: 46856737.2/103

- sign 0.002+/-0.000 χ^2/NDF: 23518585.6/53



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

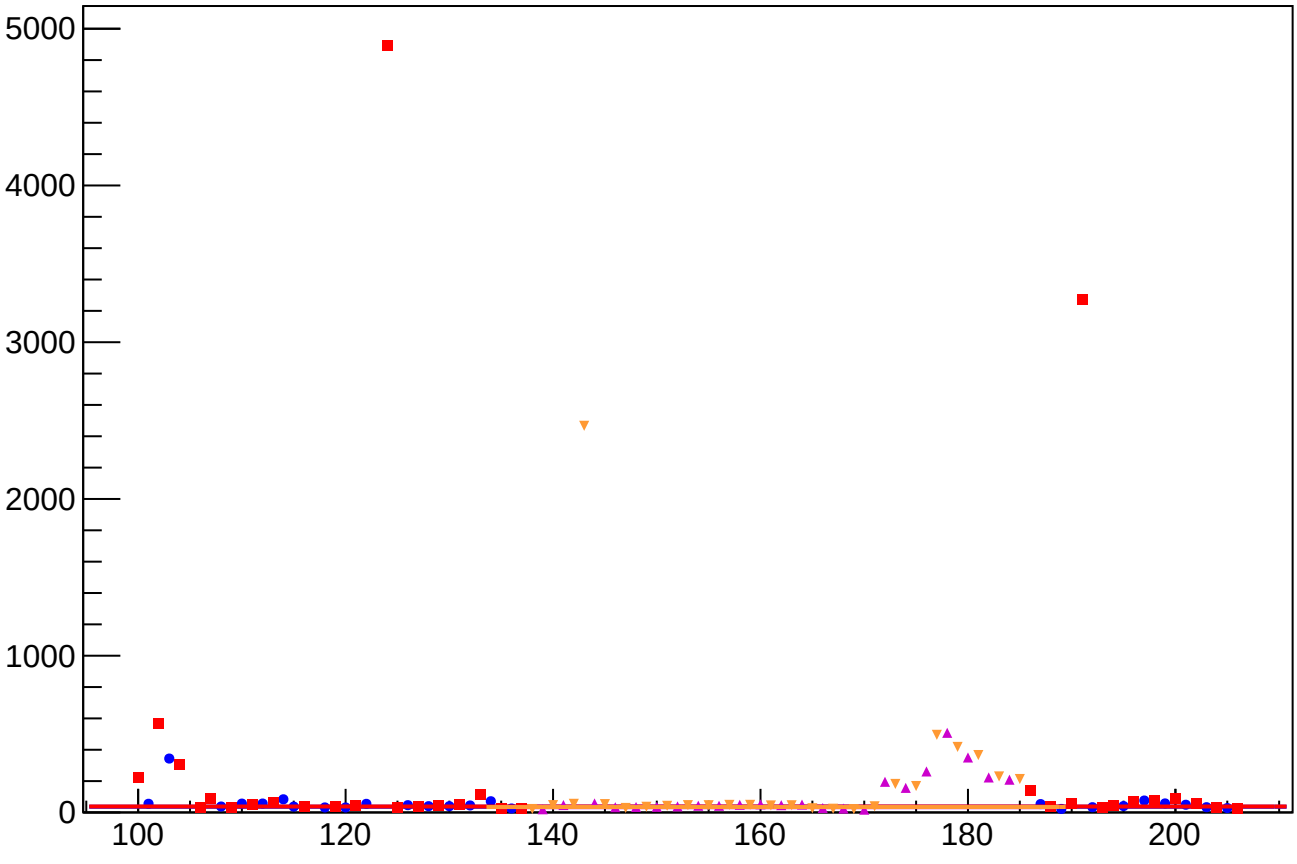
Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/103

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

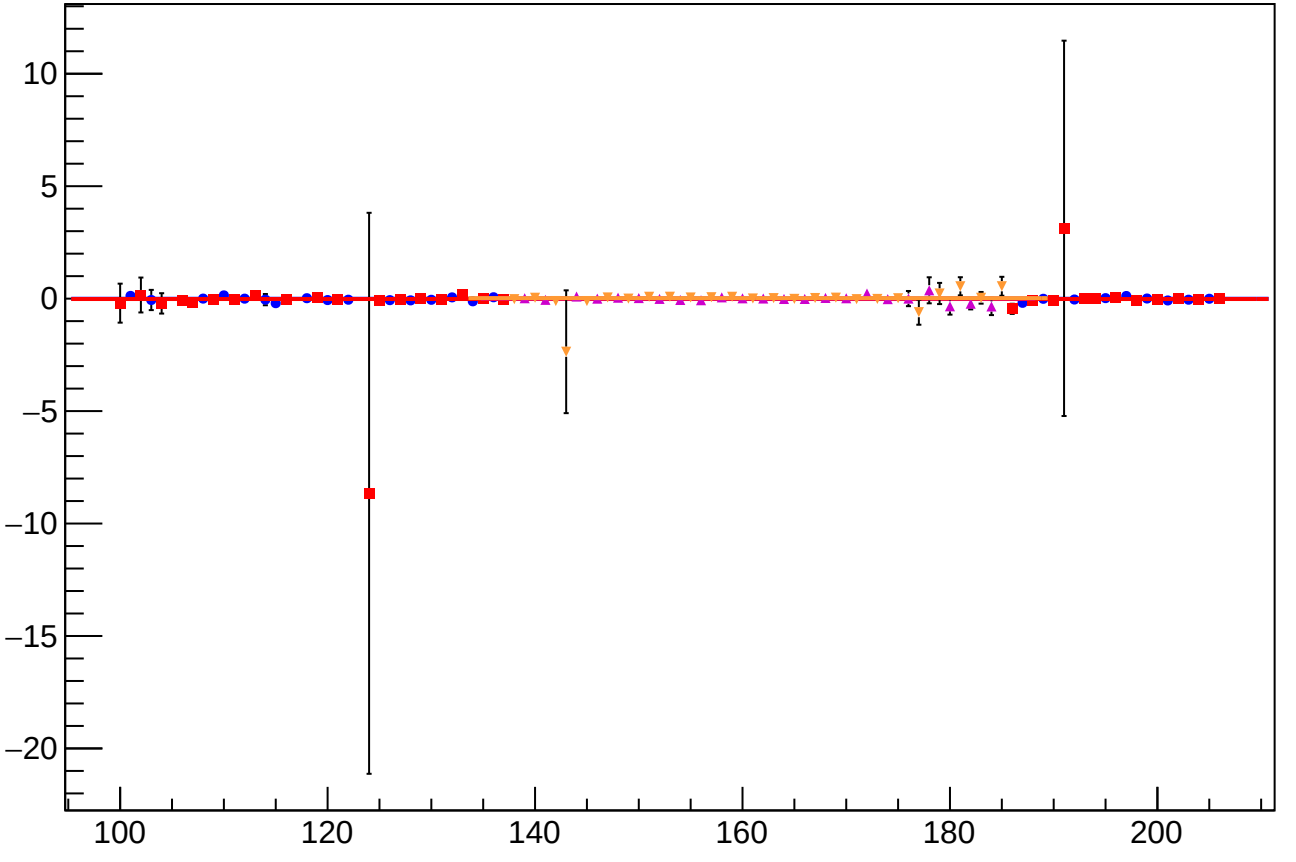
Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.481+/-0.005 χ^2/NDF: 14581788.3/49

All: 35.509+/-0.004 χ^2/NDF: 30668647.4/103

- sign 35.536+/-0.005 χ^2/NDF: 16086806.4/53

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.006+/-0.011 χ^2/NDF: 27.9/24

Left Out: 0.023+/-0.010 χ^2/NDF:22.8/24

Right Out: -0.017+/-0.011 χ^2/NDF: 22.5/30

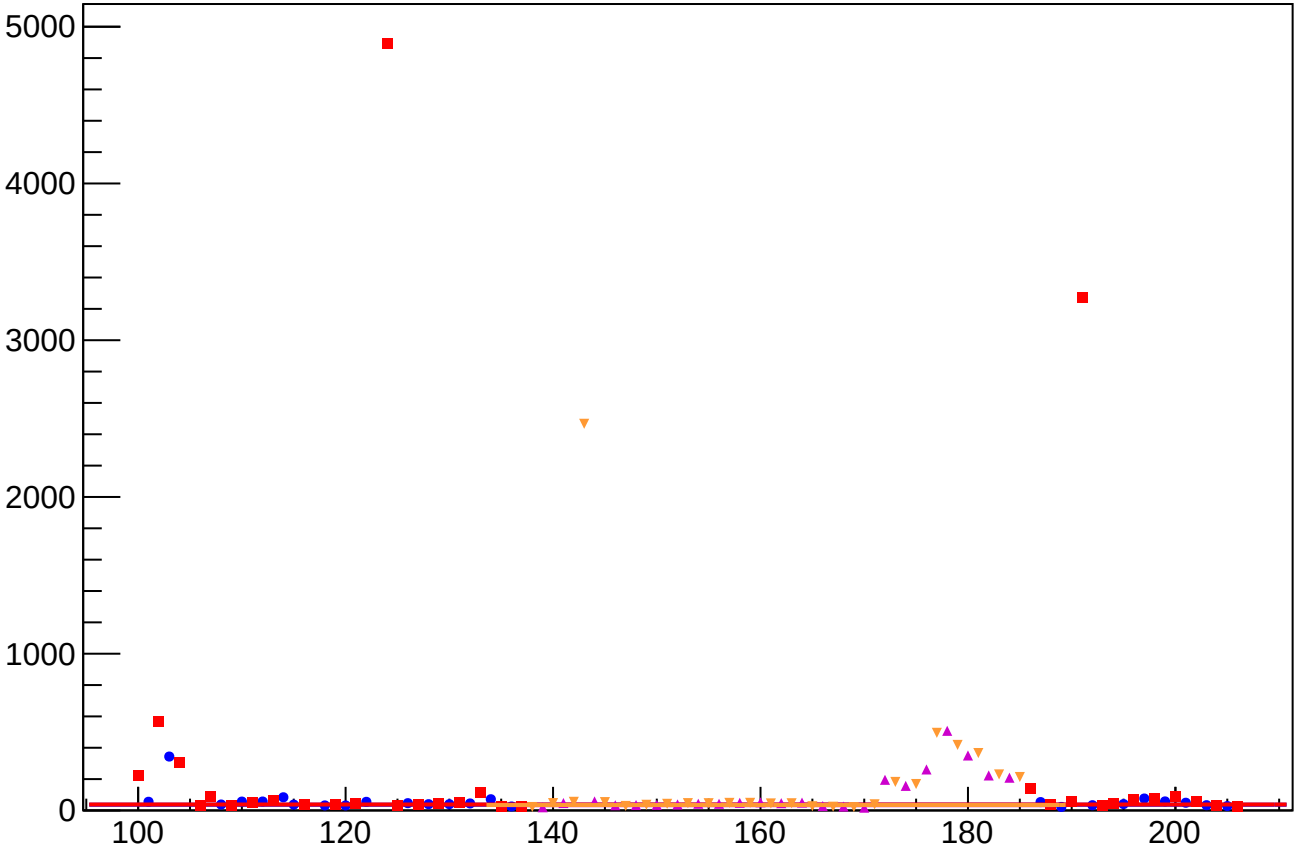
Left In: 0.010+/-0.010 χ^2/NDF:14.8/22

+ sign 0.010+/-0.008 χ^2/NDF: 54.4/49

All: 0.004+/-0.005 χ^2/NDF: 96.1/103

- sign -0.002+/-0.007 χ^2/NDF: 40.4/53

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 36.518+/-0.008 χ^2/NDF: 3147972.5/24

Left Out: 34.623+/-0.007 χ^2/NDF:11402566.2/24

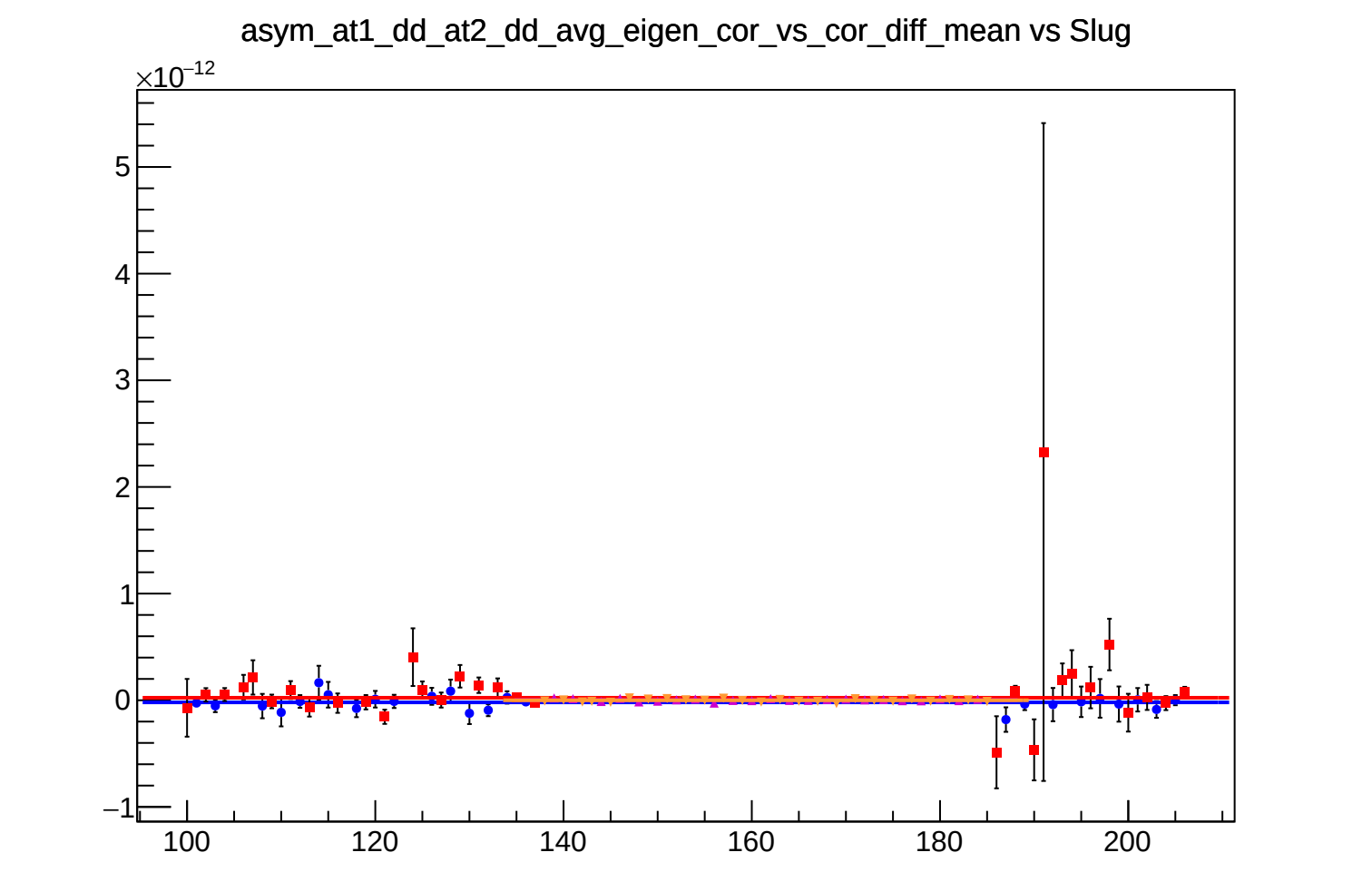
Right Out: 38.063+/-0.008 χ^2/NDF: 5845045.3/30

Left In: 33.595+/-0.007 χ^2/NDF:10066196.6/22

+ sign 35.481+/-0.005 χ^2/NDF: 14581788.3/49

All: 35.509+/-0.004 χ^2/NDF: 30668647.4/103

- sign 35.536+/-0.005 χ^2/NDF: 16086806.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 11.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

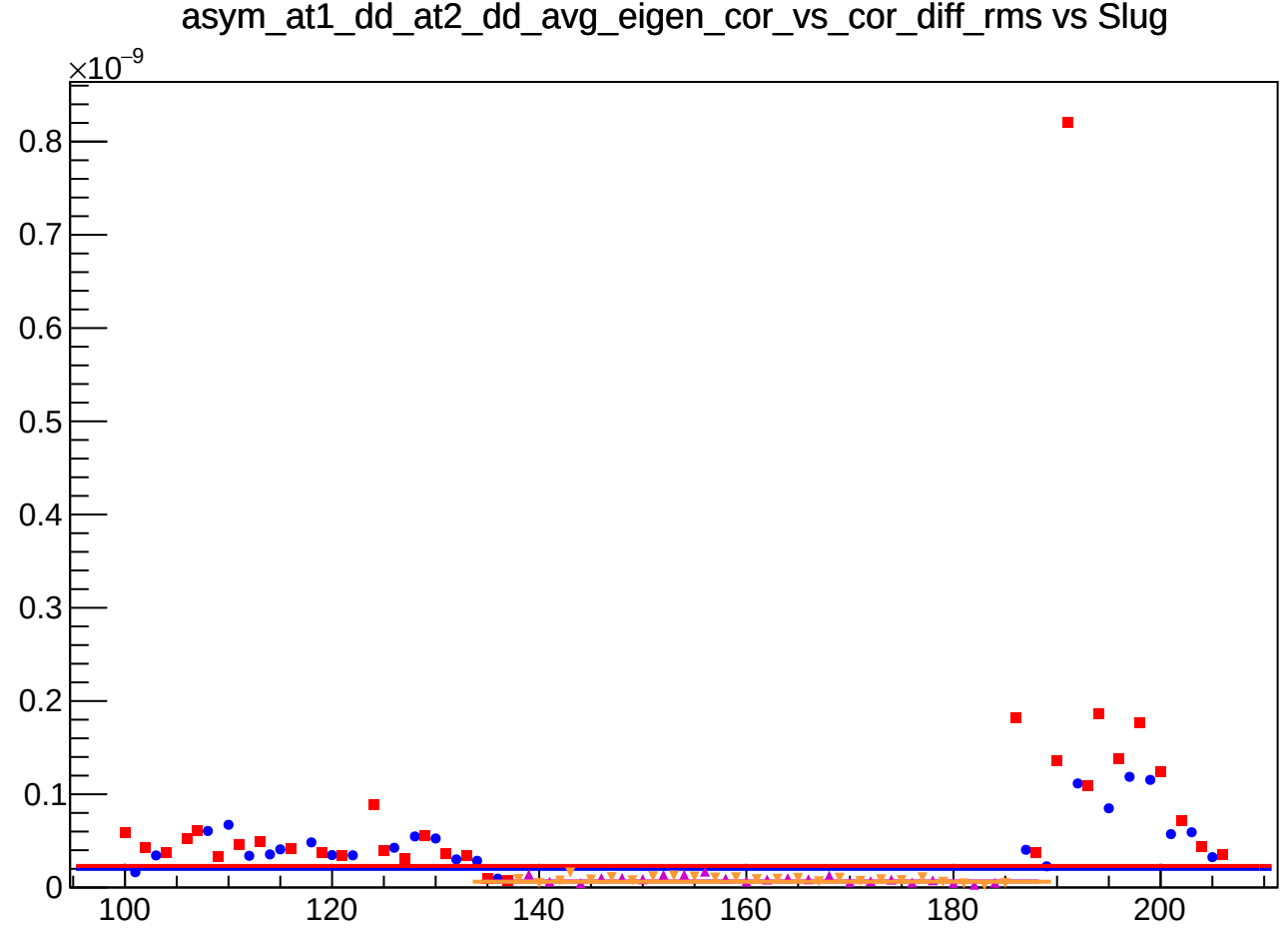
Right Out: 0.000+/-0.000 χ^2/NDF: 44.2/30

Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.7/49

All: 0.000+/-0.000 χ^2/NDF: 112.1/103

- sign 0.000+/-0.000 χ^2/NDF: 68.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 6698069.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:5077918.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9604991.0/30

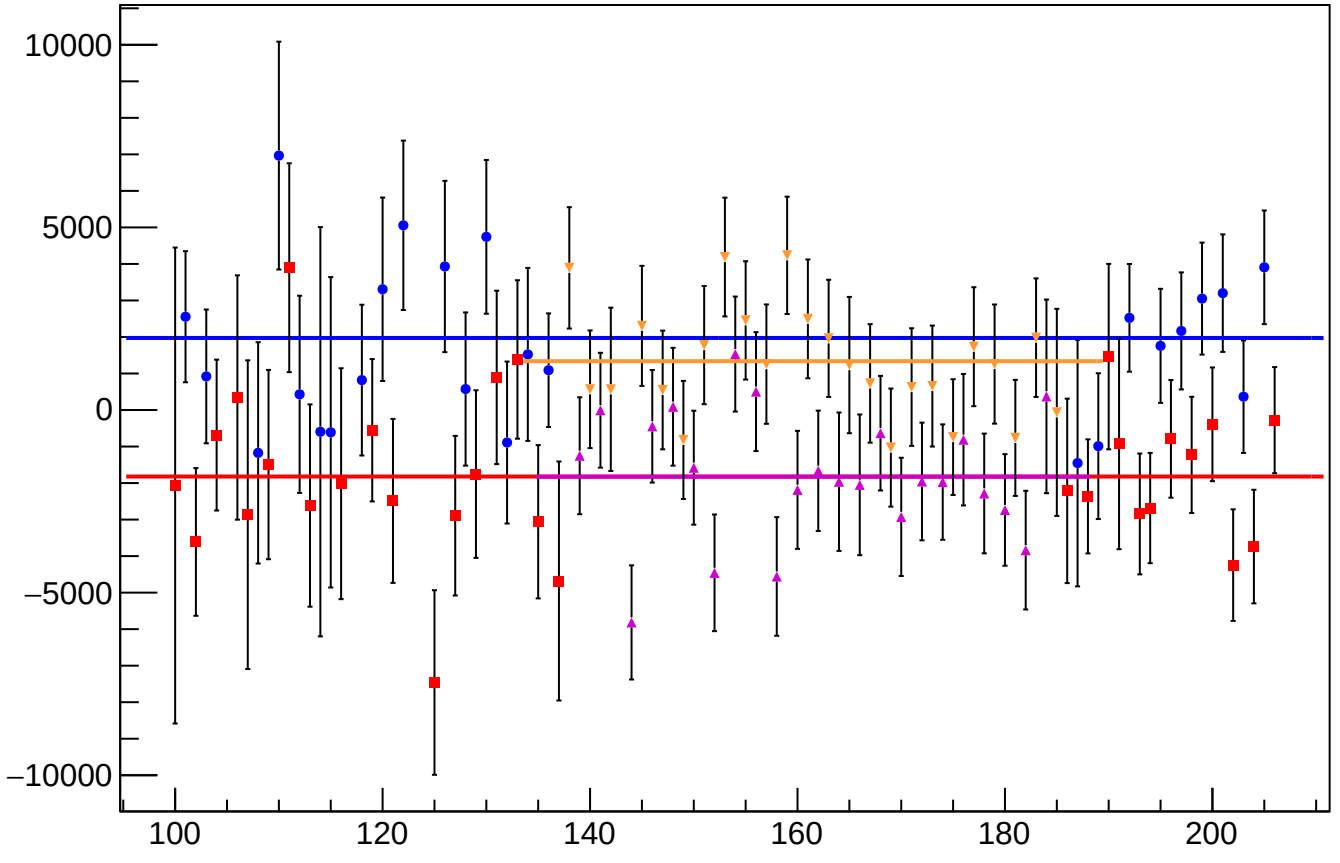
Left In: 0.000+/-0.000 χ^2/NDF:3998320.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 15920436.4/49

All: 0.000+/-0.000 χ^2/NDF: 34603213.1/103

- sign 0.000+/-0.000 χ^2/NDF: 18651746.8/53

reg_asym_usl_atl1_avg_mean vs Slug



Right In: 1973.286+/-398.477 χ^2/NDF: 19.4/24

Left Out: 1337.008+/-341.012 χ^2/NDF:19.2/23

Right Out: -1820.899+/-377.104 χ^2/NDF: 25.2/29

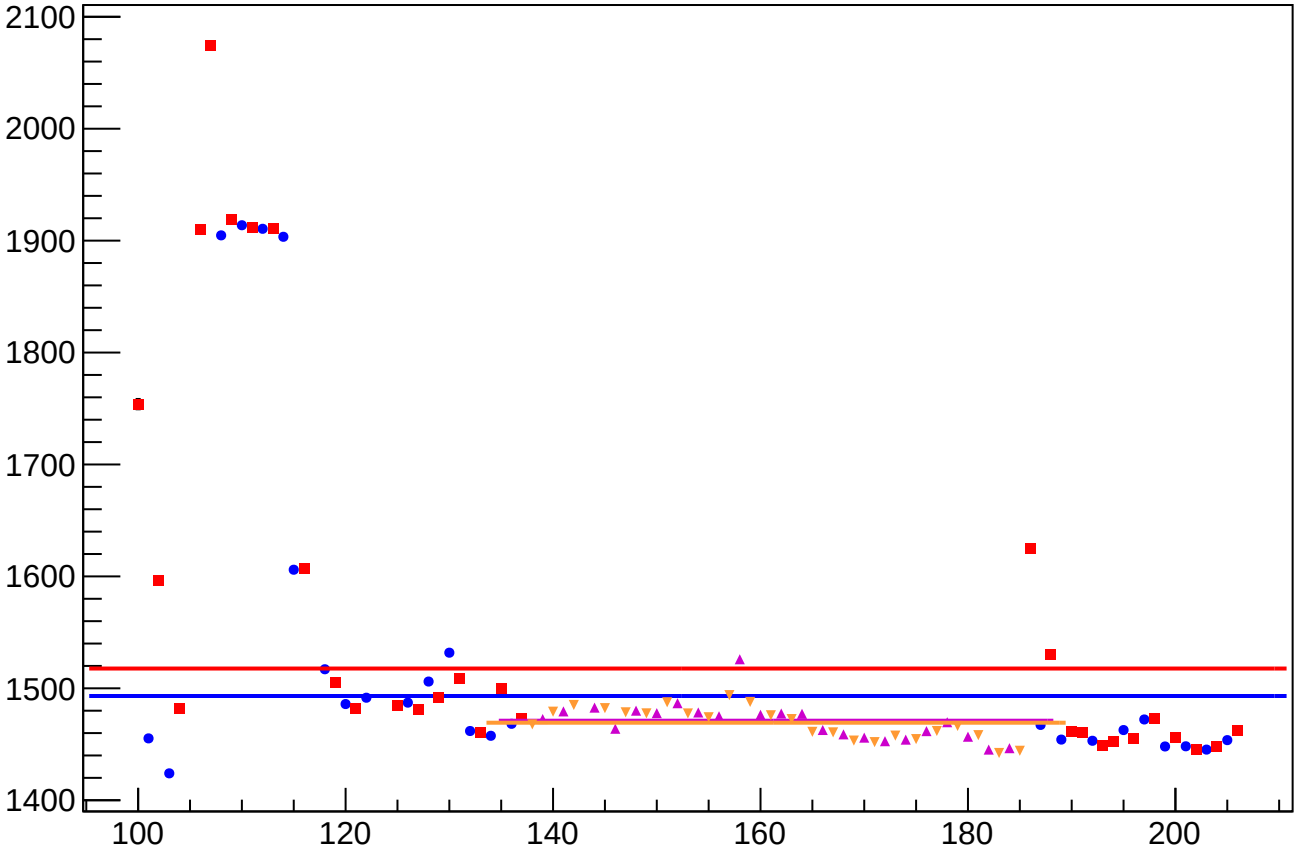
Left In: -1826.599+/-343.483 χ^2/NDF:26.5/22

+ sign 1605.999+/-259.089 χ^2/NDF: 40.0/48

All: -143.463+/-181.354 χ^2/NDF: 181.1/101

- sign -1824.014+/-253.935 χ^2/NDF: 51.7/52

reg_asym_usl_atl1_avg_rms vs Slug



Right In: 1493.137+/-0.282 χ^2/NDF: 149314.6/24

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

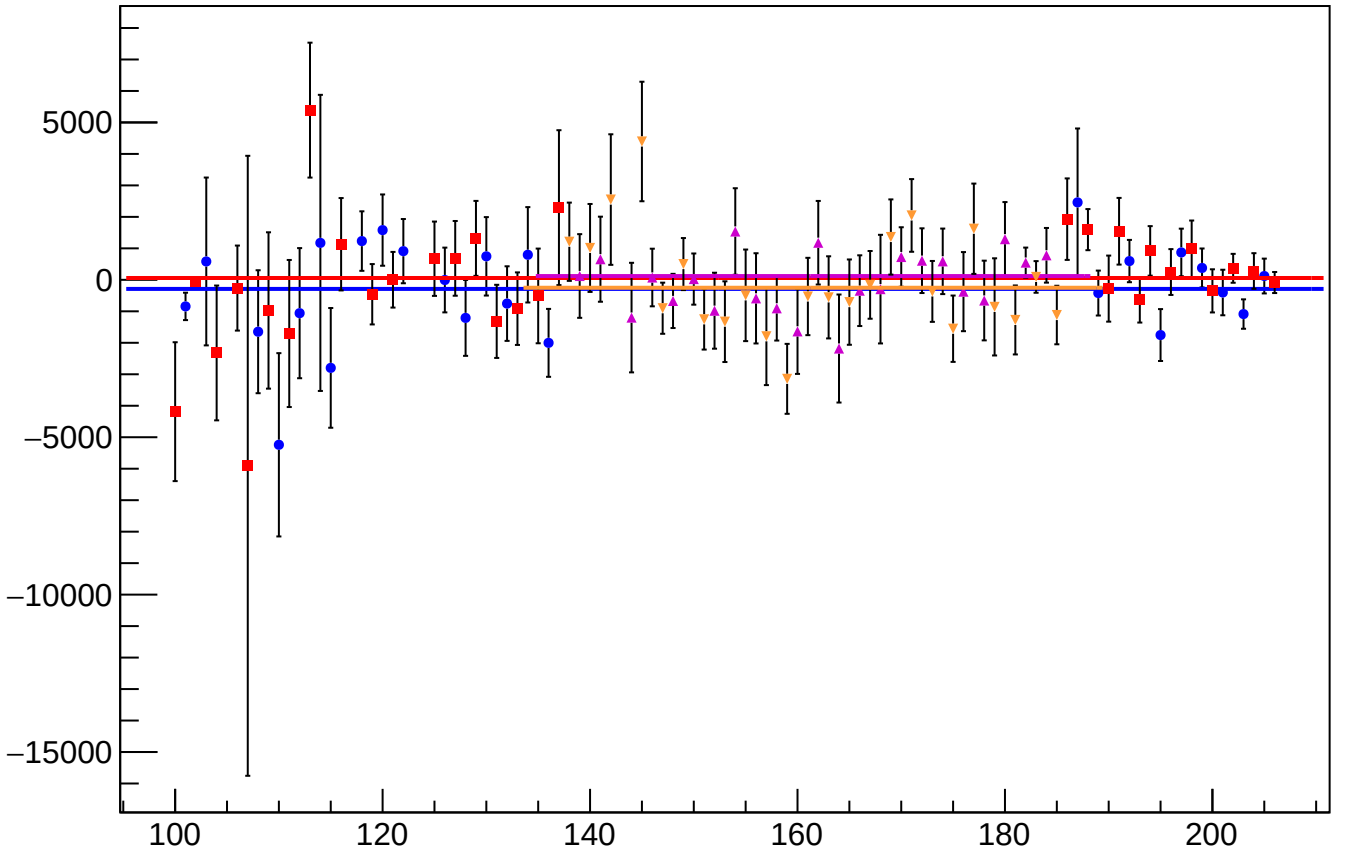
Right Out: 1517.676+/-0.267 χ^2/NDF: 231874.4/29

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1479.358+/-0.183 χ^2/NDF: 156612.9/48

All: 1485.905+/-0.128 χ^2/NDF: 412341.5/101

- sign 1492.194+/-0.180 χ^2/NDF: 253224.8/52



Right In: -288.391+/-172.872 χ^2/NDF: 31.6/24

Left Out: -251.610+/-218.369 χ^2/NDF:32.7/23

Right Out: 58.555+/-104.453 χ^2/NDF: 32.7/29

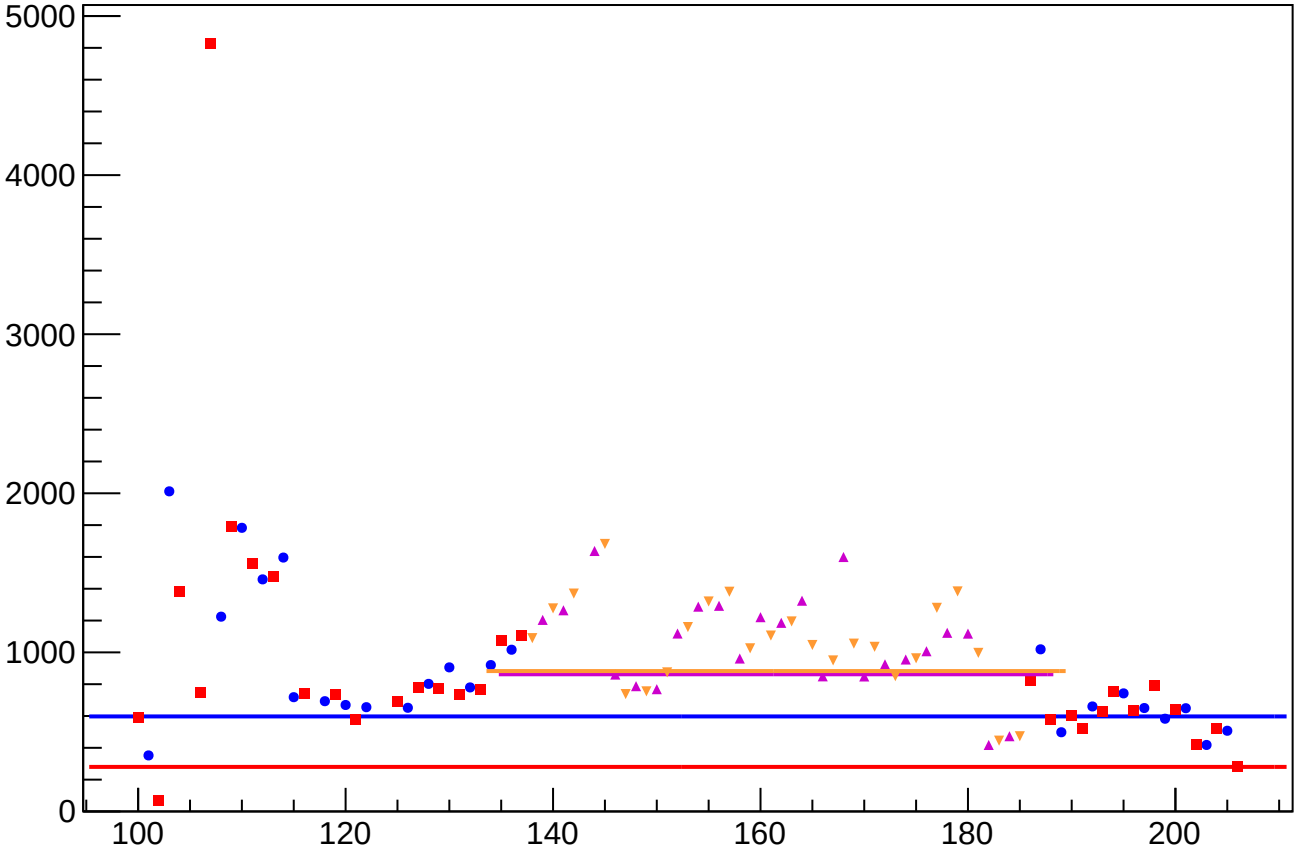
Left In: 119.802+/-215.975 χ^2/NDF:12.8/22

\+ sign -274.221+/-135.541 χ^2/NDF: 64.3/48

All: -41.733+/-77.261 χ^2/NDF: 114.3/101

\- sign 70.165+/-94.033 χ^2/NDF: 45.6/52

asym_usl_atl1_avg_reg_correction_rms vs Slug



Right In: 597.389+/-0.122 χ^2/NDF: 3393361.9/24

Left Out: 882.430+/-0.154 χ^2/NDF:3901279.8/23

Right Out: 280.048+/-0.074 χ^2/NDF: 15586444.9/29

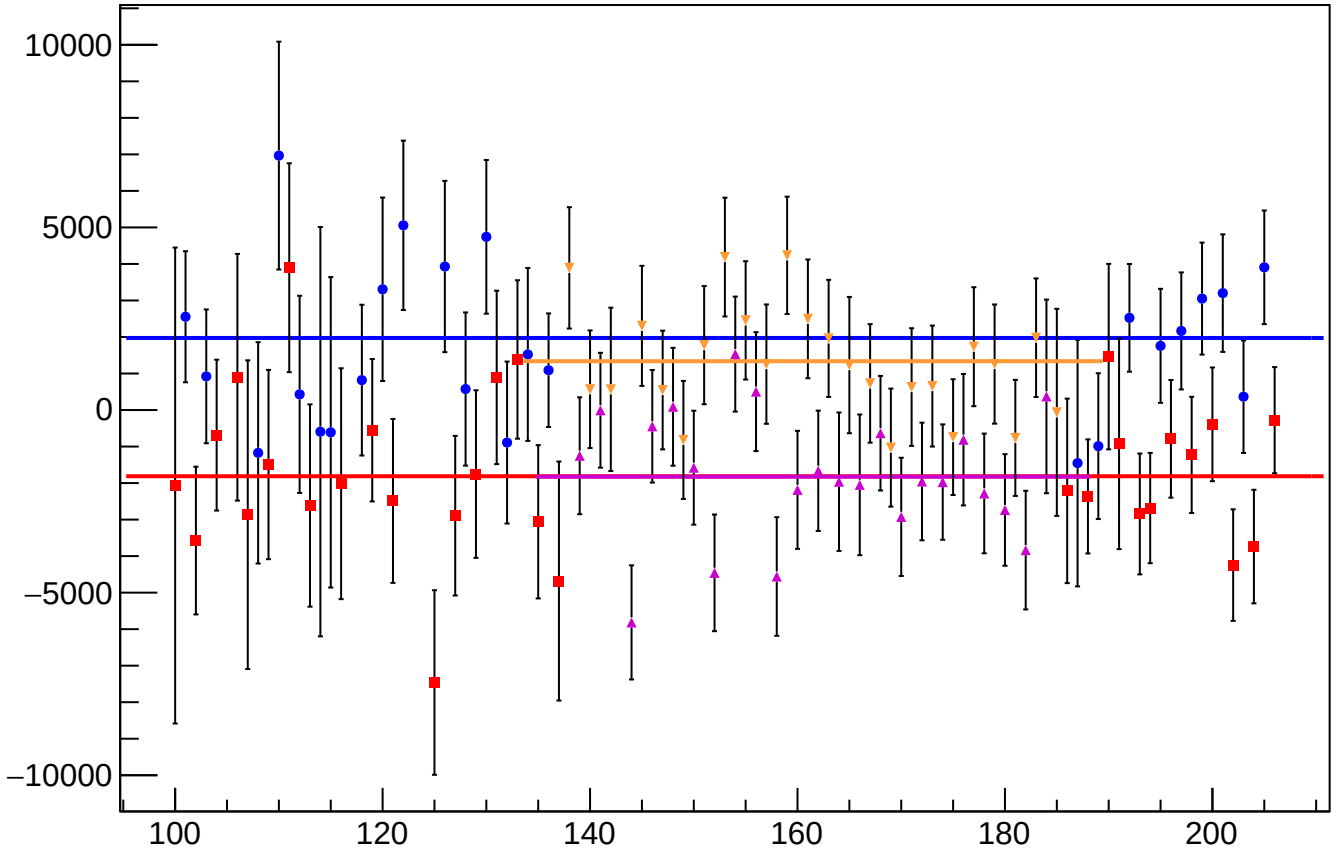
Left In: 862.298+/-0.153 χ^2/NDF:4369416.2/22

+ sign 707.204+/-0.096 χ^2/NDF: 9389490.0/48

All: 493.350+/-0.055 χ^2/NDF: 48500927.7/10

- sign 390.421+/-0.066 χ^2/NDF: 31736290.8/52

cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1973.397+/-398.477 χ^2/NDF: 19.4/24

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1813.168+/-377.152 χ^2/NDF: 25.4/29

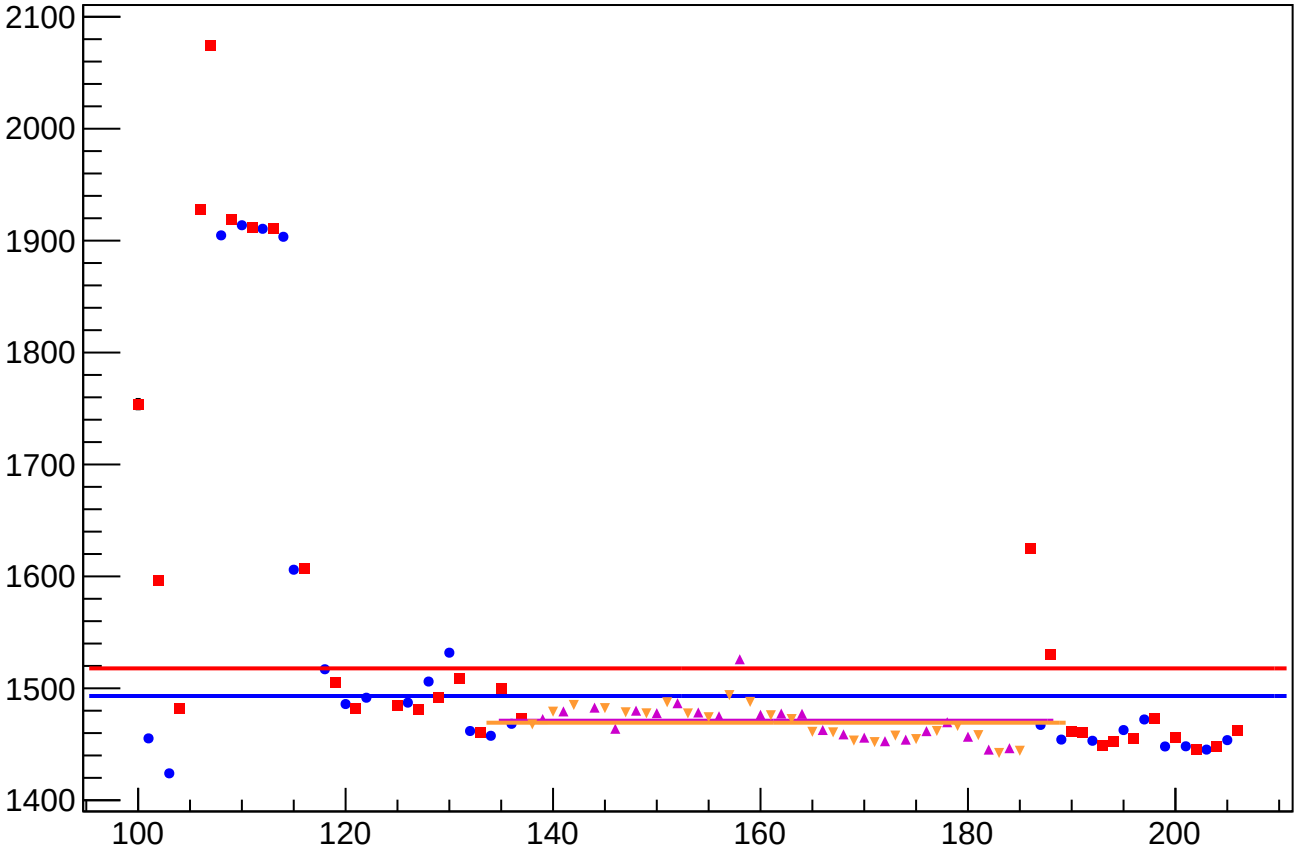
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1606.052+/-259.089 χ^2/NDF: 40.0/48

All: -141.565+/-181.359 χ^2/NDF: 181.1/101

- sign -1820.534+/-253.950 χ^2/NDF: 51.9/52

cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1493.137+/-0.282 χ^2/NDF: 149314.5/24

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

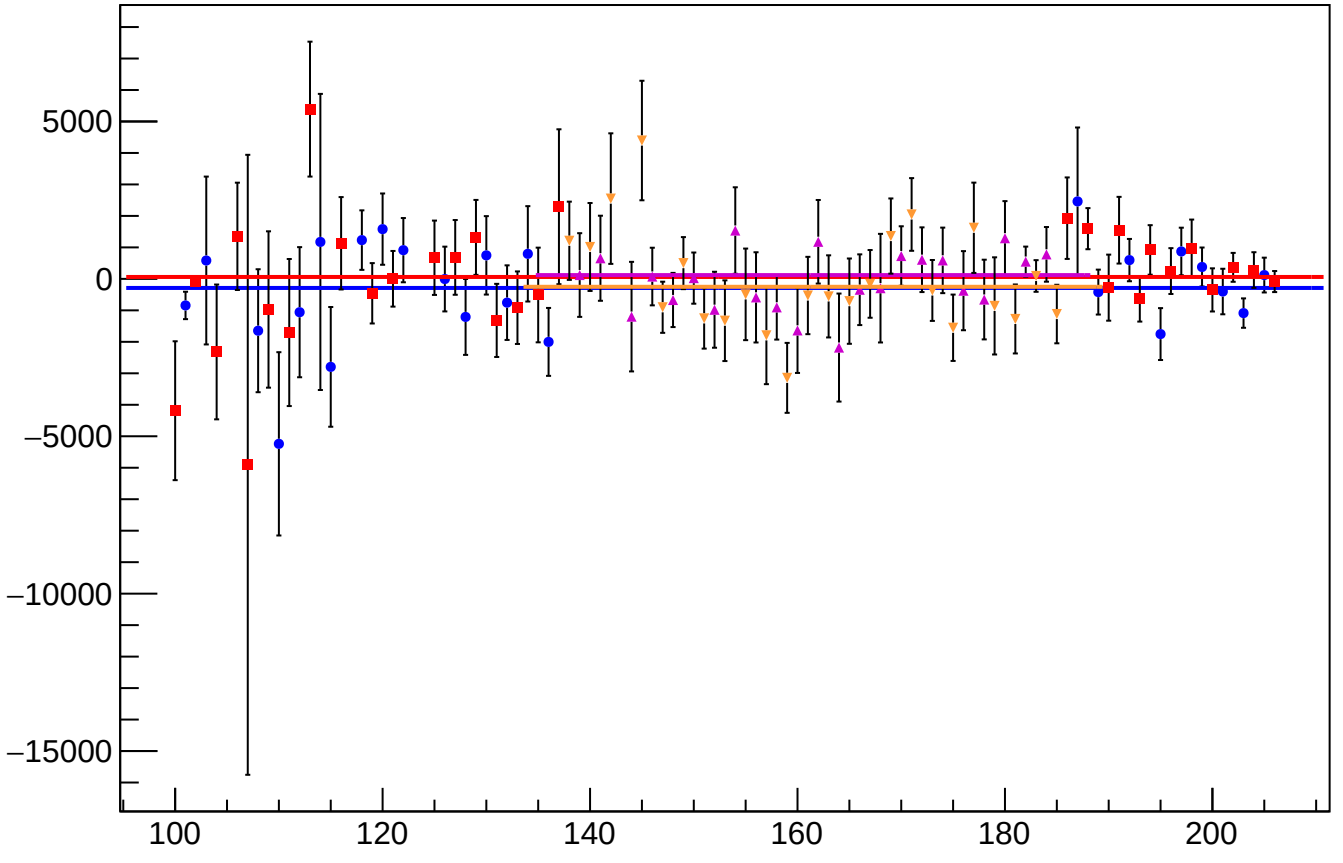
Right Out: 1517.816+/-0.267 χ^2/NDF: 233945.3/29

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1479.358+/-0.183 χ^2/NDF: 156612.9/48

All: 1485.936+/-0.128 χ^2/NDF: 414534.0/101

- sign 1492.255+/-0.180 χ^2/NDF: 255393.8/52



Right In: -288.301+/-172.870 χ^2/NDF: 31.6/24

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 60.719+/-109.938 χ^2/NDF: 33.5/29

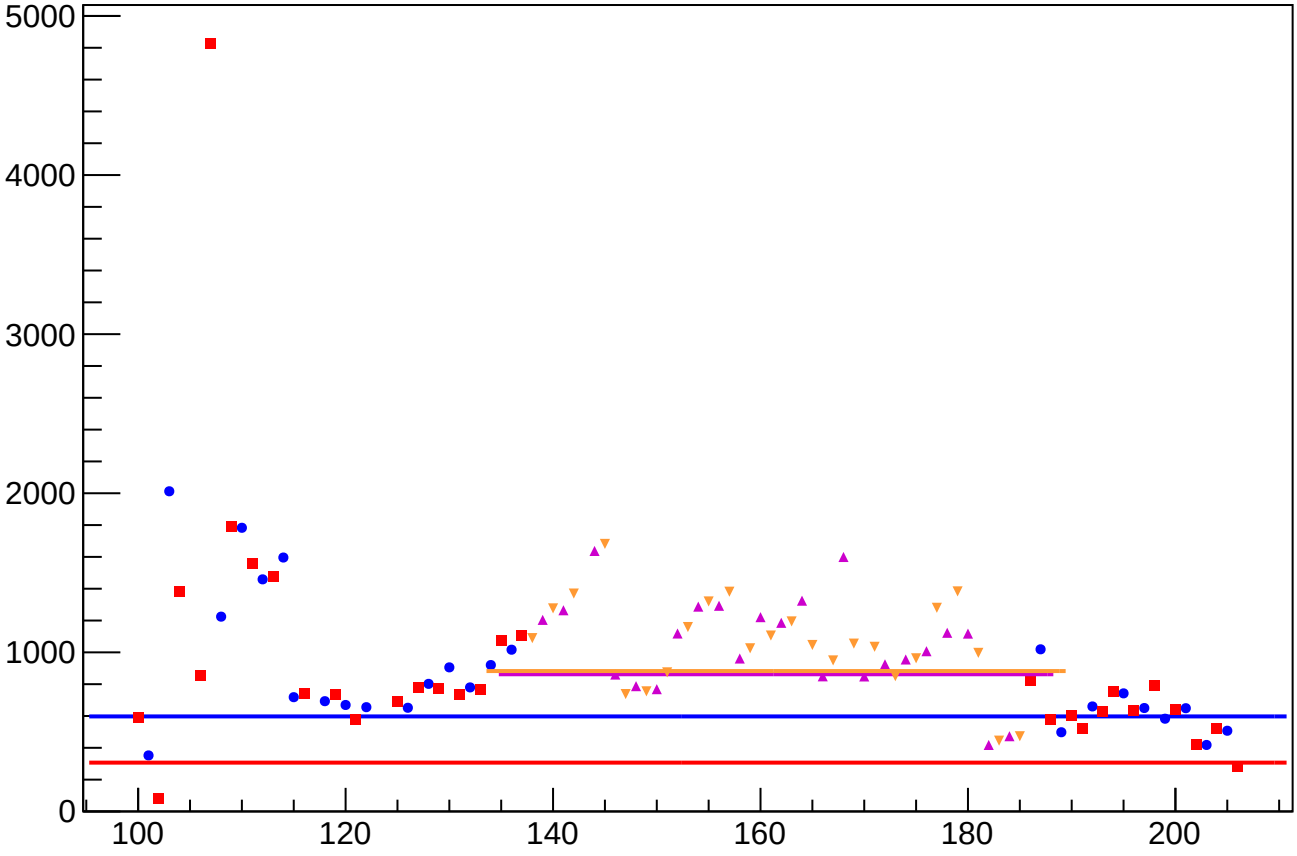
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

+ sign -274.157+/-135.539 χ^2/NDF: 64.3/48

All: -46.217+/-79.403 χ^2/NDF: 115.1/101

- sign 72.887+/-97.975 χ^2/NDF: 46.4/52

asym_usl_atl1_avg_cor_correction_rms vs Slug



Right In: 597.376+/-0.122 χ^2/NDF: 3393643.2/24

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 306.868+/-0.078 χ^2/NDF: 14317754.8/29

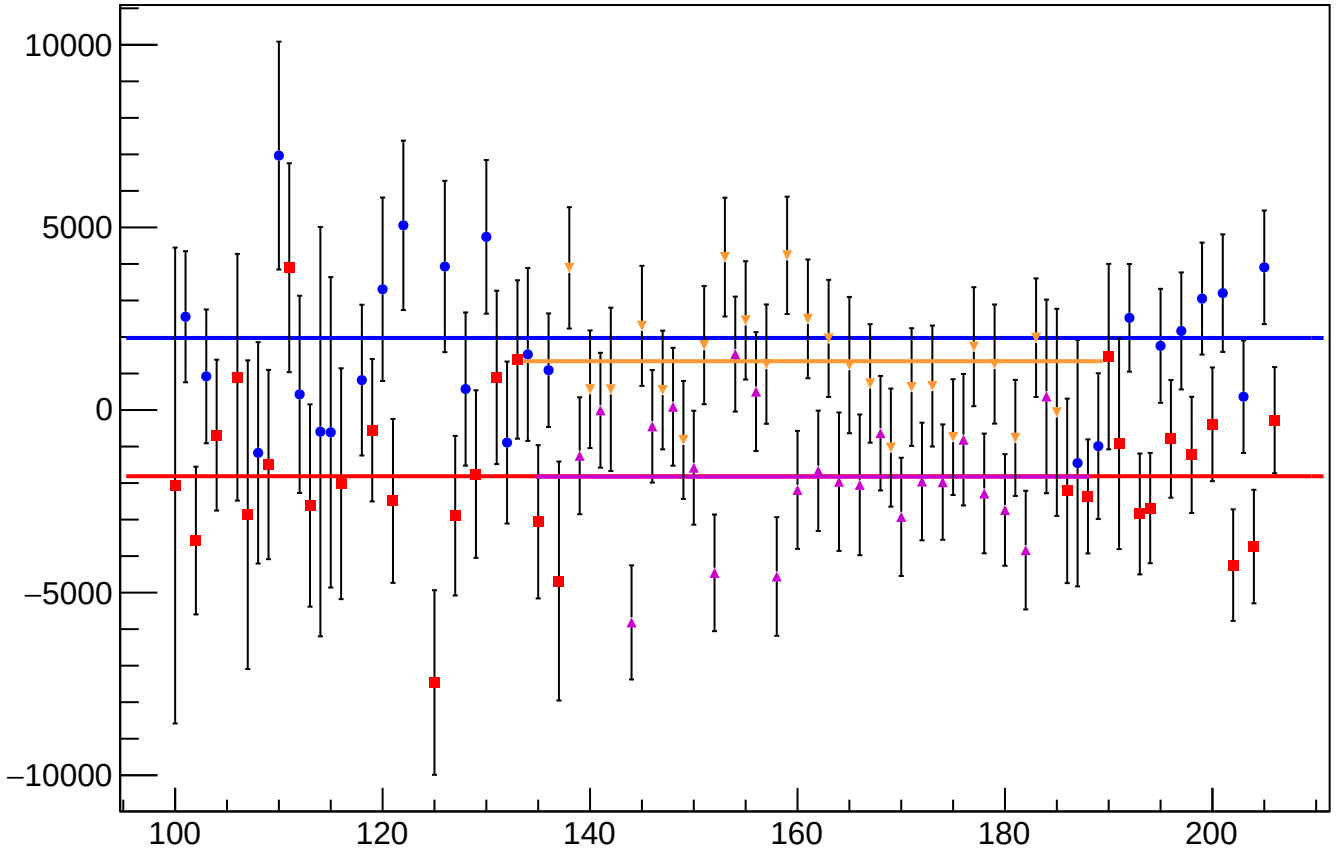
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 707.192+/-0.096 χ^2/NDF: 9390177.4/48

All: 519.332+/-0.056 χ^2/NDF: 44432582.3/10

- sign 421.170+/-0.069 χ^2/NDF: 29192716.6/52

eigen_cor_asym_usl_atl1_avg_mean vs Slug



Right In: 1973.397+/-398.477 χ^2/NDF: 19.4/24

Left Out: 1337.018+/-341.012 χ^2/NDF:19.2/23

Right Out: -1813.168+/-377.152 χ^2/NDF: 25.4/29

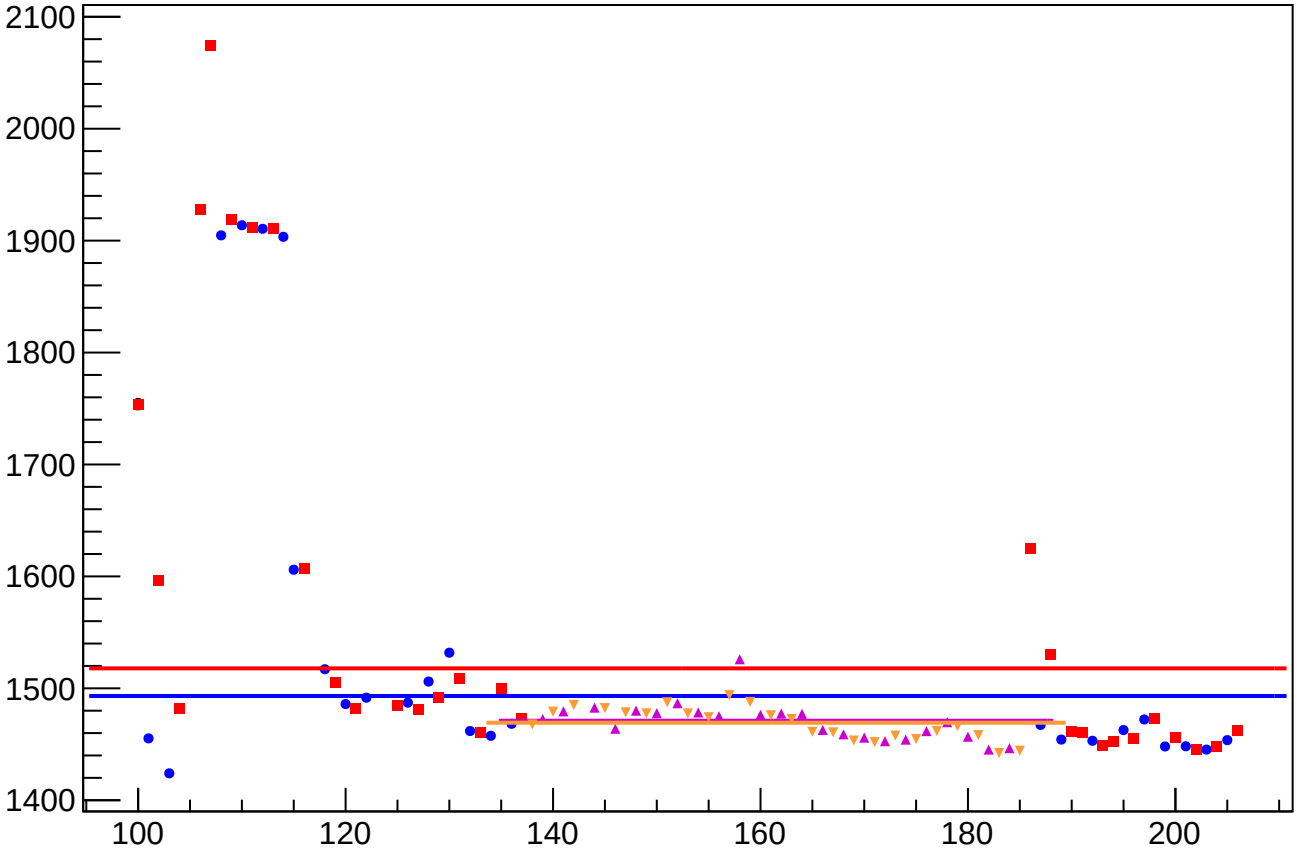
Left In: -1826.644+/-343.483 χ^2/NDF:26.5/22

+ sign 1606.052+/-259.089 χ^2/NDF: 40.0/48

All: -141.565+/-181.359 χ^2/NDF: 181.1/101

- sign -1820.534+/-253.950 χ^2/NDF: 51.9/52

eigen_cor_asym_usl_atl1_avg_rms vs Slug



Right In: 1493.137+/-0.282 χ^2/NDF: 149314.5/24

Left Out: 1469.267+/-0.241 χ^2/NDF:3155.3/23

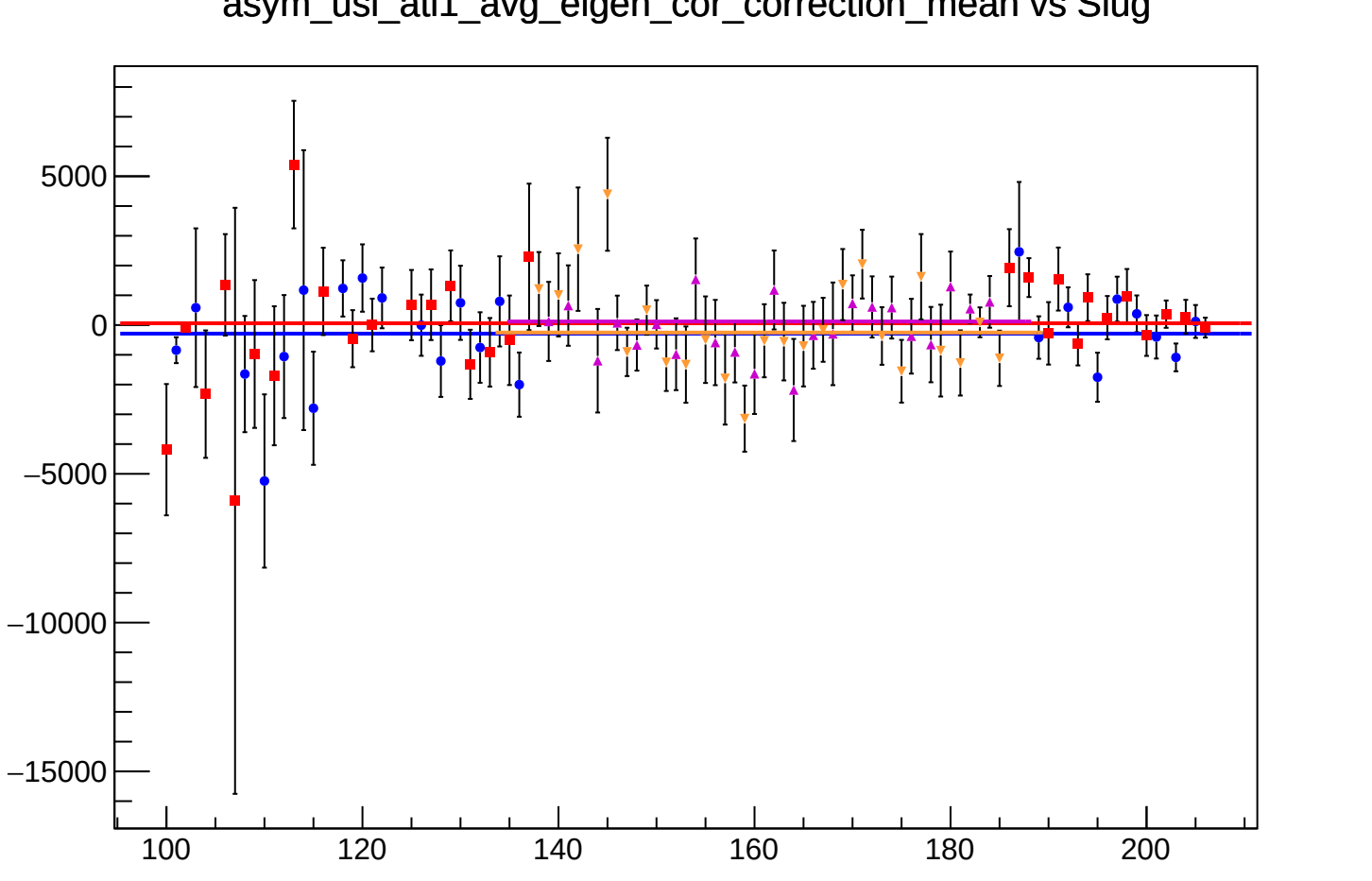
Right Out: 1517.816+/-0.267 χ^2/NDF: 233945.3/29

Left In: 1471.054+/-0.243 χ^2/NDF:4642.4/22

+ sign 1479.358+/-0.183 χ^2/NDF: 156612.9/48

All: 1485.936+/-0.128 χ^2/NDF: 414534.0/101

- sign 1492.255+/-0.180 χ^2/NDF: 255393.8/52



Right In: -288.301+/-172.870 χ^2/NDF: 31.6/24

Left Out: -251.589+/-218.368 χ^2/NDF:32.7/23

Right Out: 60.719+/-109.938 χ^2/NDF: 33.5/29

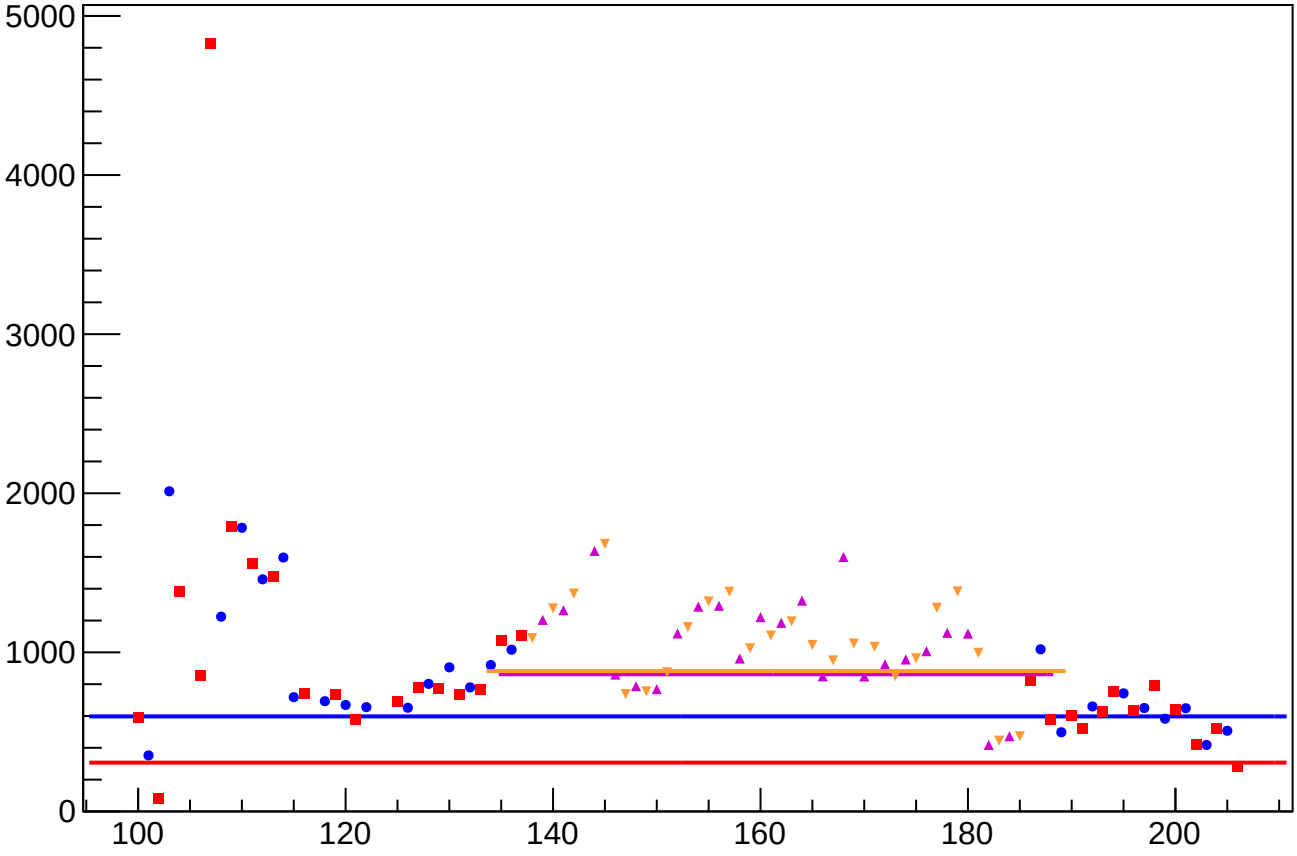
Left In: 119.845+/-215.975 χ^2/NDF:12.8/22

\+ sign -274.157+/-135.539 χ^2/NDF: 64.3/48

All: -46.217+/-79.403 χ^2/NDF: 115.1/101

\- sign 72.887+/-97.975 χ^2/NDF: 46.4/52

asym_usl_atl1_avg_eigen_cor_correction_rms vs Slug



Right In: 597.376+/-0.122 χ^2/NDF: 3393643.2/24

Left Out: 882.419+/-0.154 χ^2/NDF:3901620.8/23

Right Out: 306.868+/-0.078 χ^2/NDF: 14317754.8/29

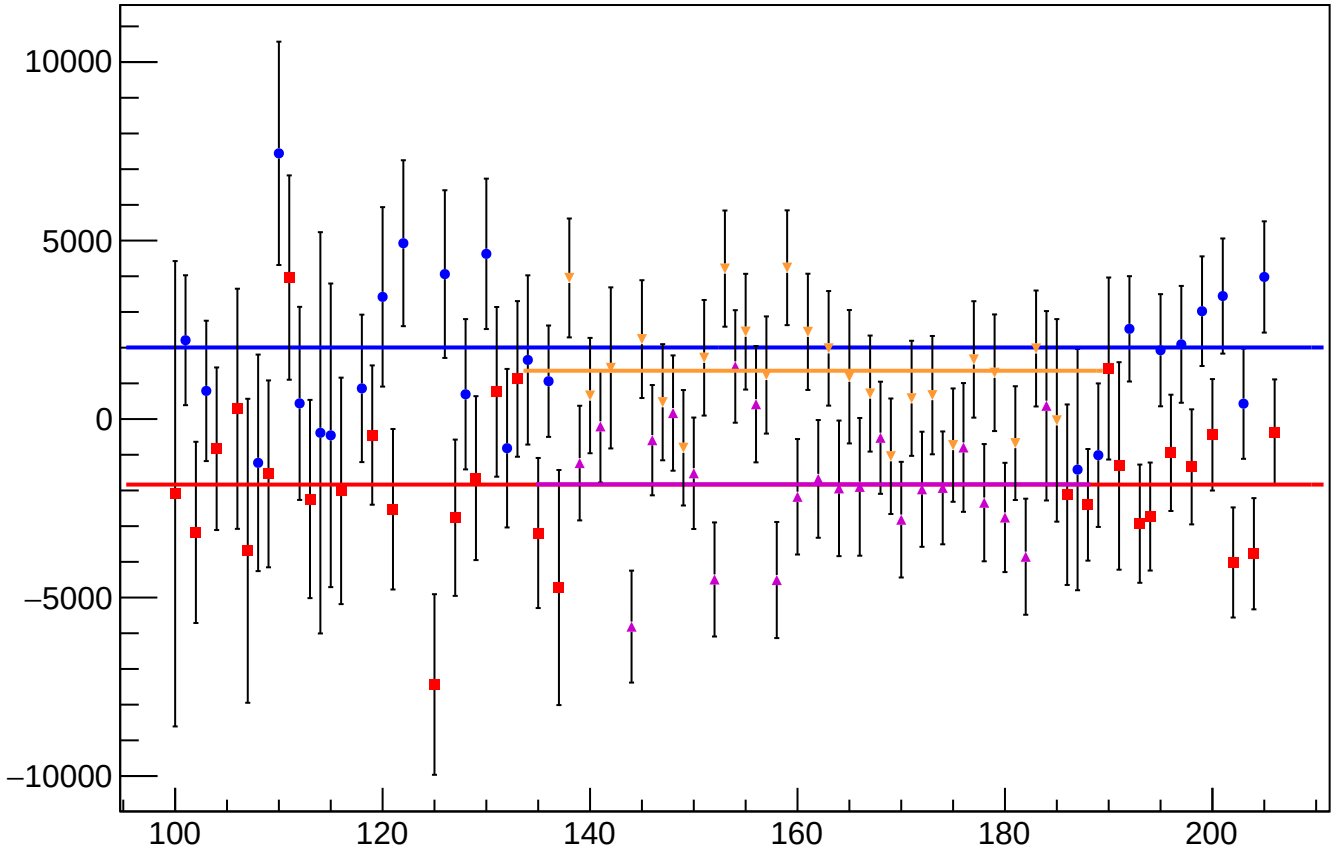
Left In: 862.300+/-0.153 χ^2/NDF:4369426.7/22

+ sign 707.192+/-0.096 χ^2/NDF: 9390177.4/48

All: 519.332+/-0.056 χ^2/NDF: 44432582.3/10

- sign 421.170+/-0.069 χ^2/NDF: 29192716.6/52

dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2005.446+/-401.319 χ^2/NDF: 19.6/24

Left Out: 1353.686+/-341.570 χ^2/NDF:18.9/23

Right Out: -1835.296+/-382.471 χ^2/NDF: 23.4/29

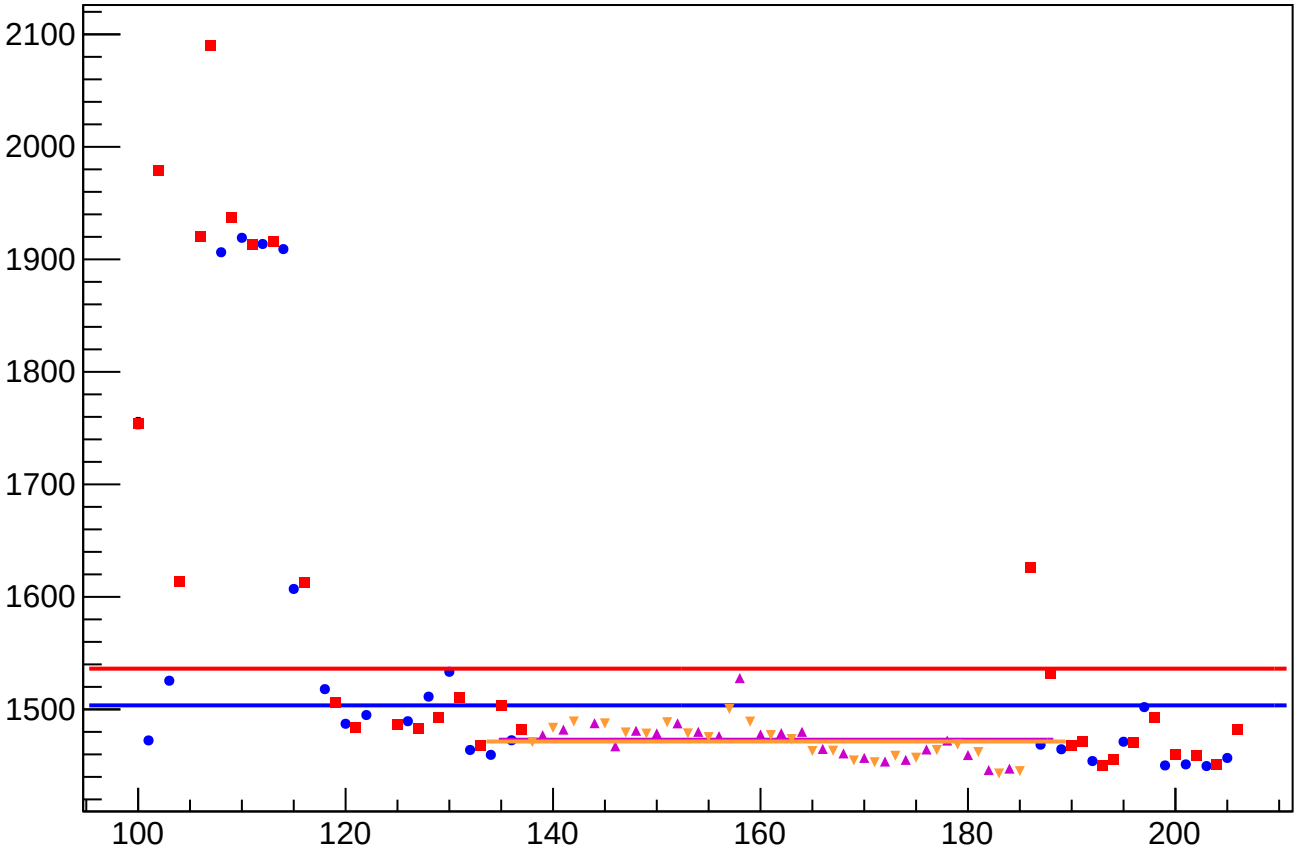
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1627.483+/-260.112 χ^2/NDF: 40.1/48

All: -131.215+/-182.364 χ^2/NDF: 179.2/101

- sign -1831.400+/-255.748 χ^2/NDF: 49.3/52

dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1503.562+/-0.284 χ^2/NDF: 144659.7/24

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1536.208+/-0.270 χ^2/NDF: 292382.9/29

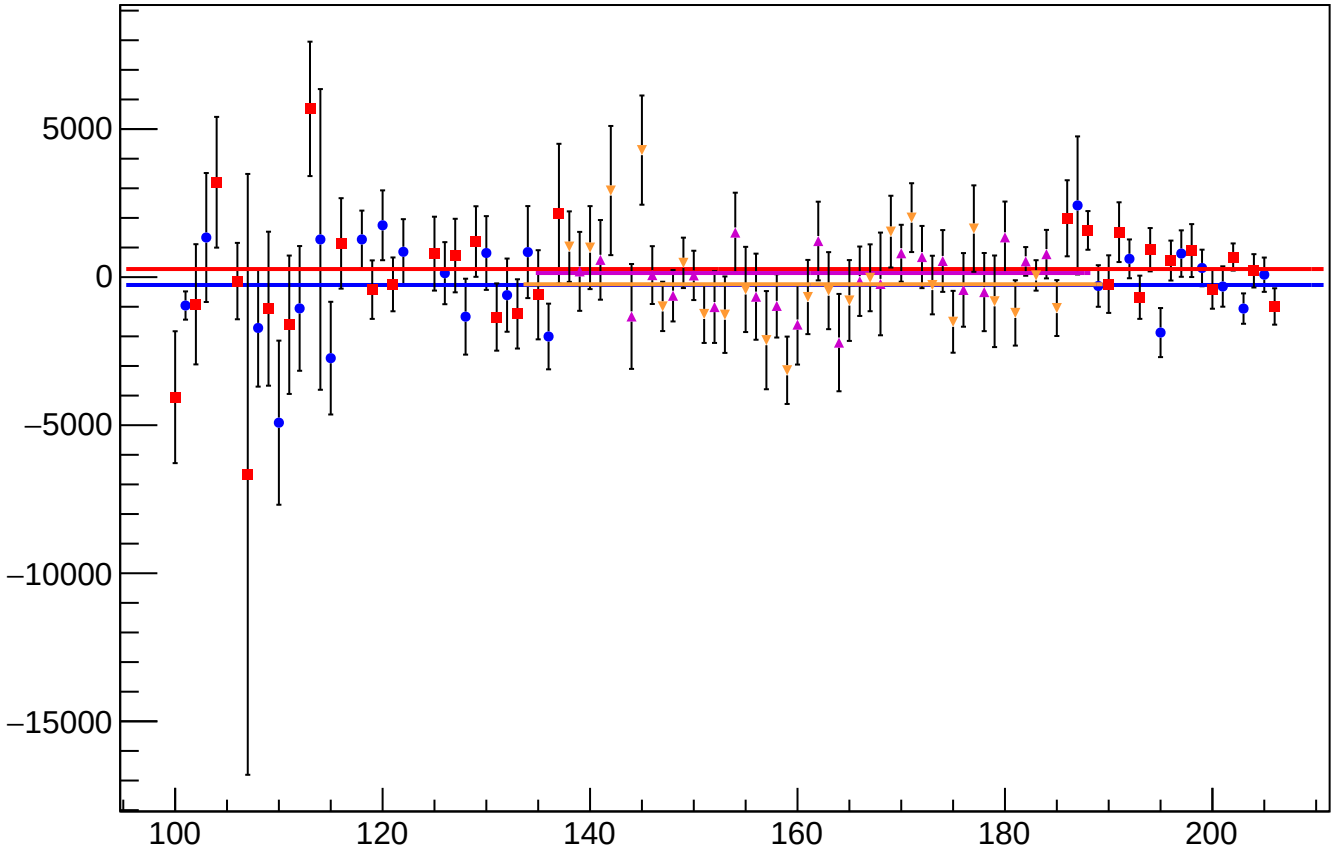
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1484.932+/-0.184 χ^2/NDF: 155528.6/48

All: 1493.249+/-0.129 χ^2/NDF: 486837.3/101

- sign 1501.289+/-0.181 χ^2/NDF: 327287.6/52

asym_usl_atl1_avg_dit_correction_mean vs Slug



Right In: -264.942+/-178.595 χ^2/NDF: 31.4/24

Left Out: -240.267+/-221.787 χ^2/NDF:32.4/23

Right Out: 273.483+/-172.474 χ^2/NDF: 36.6/29

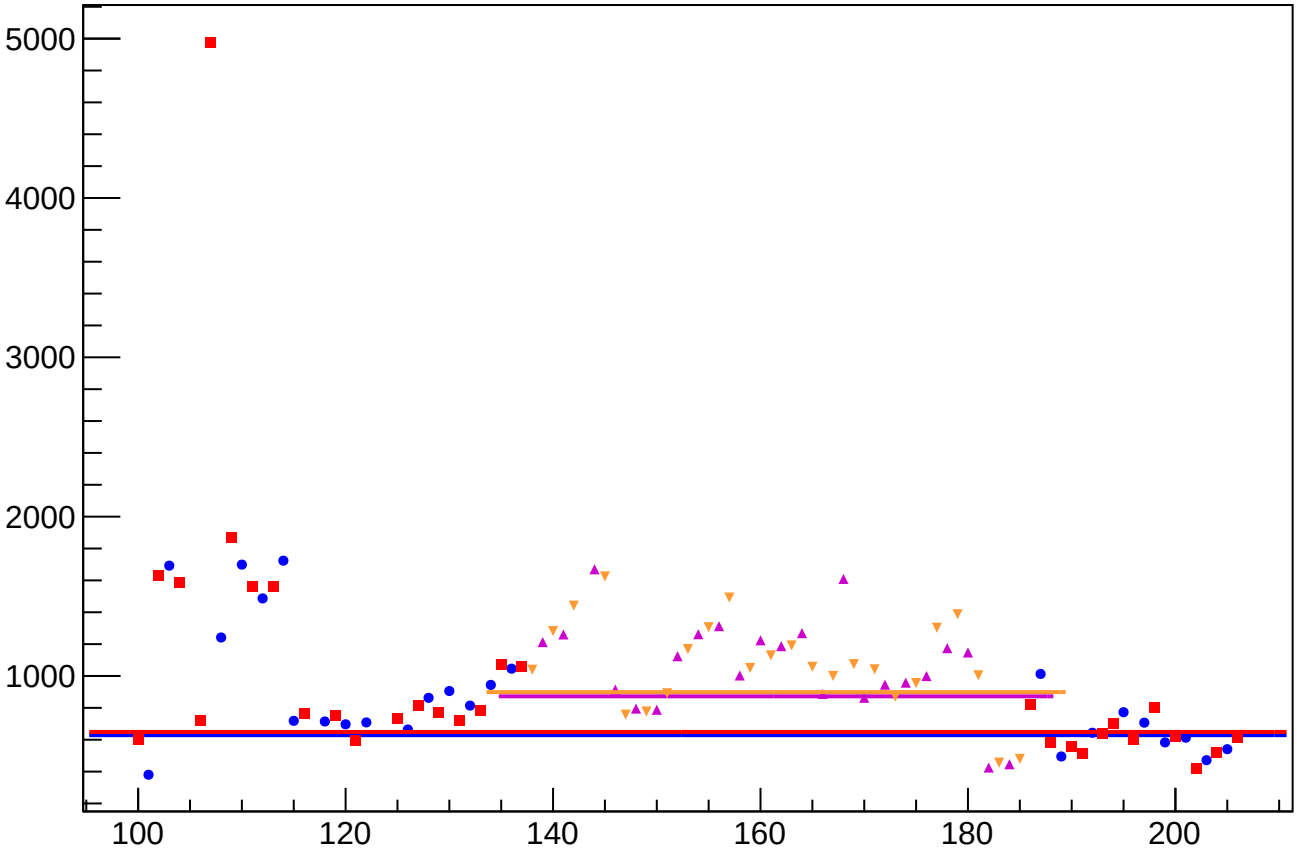
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -255.236+/-139.102 χ^2/NDF: 63.9/48

All: -10.329+/-97.015 χ^2/NDF: 119.7/101

- sign 221.628+/-135.375 χ^2/NDF: 49.8/52

asym_usl_atl1_avg_dit_correction_rms vs Slug



Right In: 628.568+/-0.126 χ^2/NDF: 3004974.4/24

Left Out: 898.849+/-0.157 χ^2/NDF:3791528.8/23

Right Out: 648.918+/-0.122 χ^2/NDF: 3455028.8/29

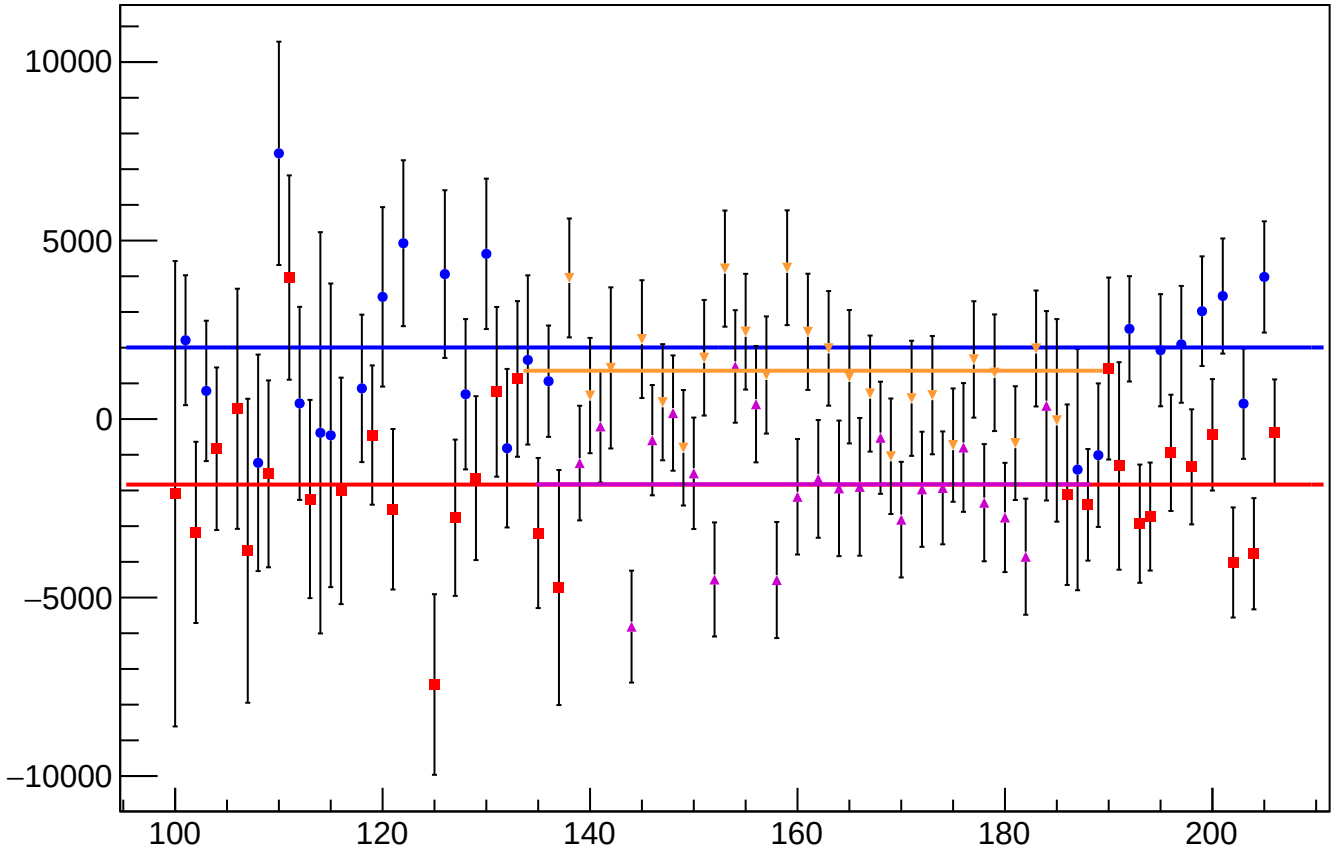
Left In: 872.472+/-0.154 χ^2/NDF:4435516.3/22

+ sign 734.887+/-0.098 χ^2/NDF: 8598340.7/48

All: 734.816+/-0.069 χ^2/NDF: 17778932.8/10

- sign 734.749+/-0.096 χ^2/NDF: 9180591.1/52

eigen_dit_asym_usl_atl1_avg_mean vs Slug



Right In: 2005.445+/-401.319 χ^2/NDF: 19.6/24

Left Out: 1353.684+/-341.570 χ^2/NDF:18.9/23

Right Out: -1835.295+/-382.471 χ^2/NDF: 23.4/29

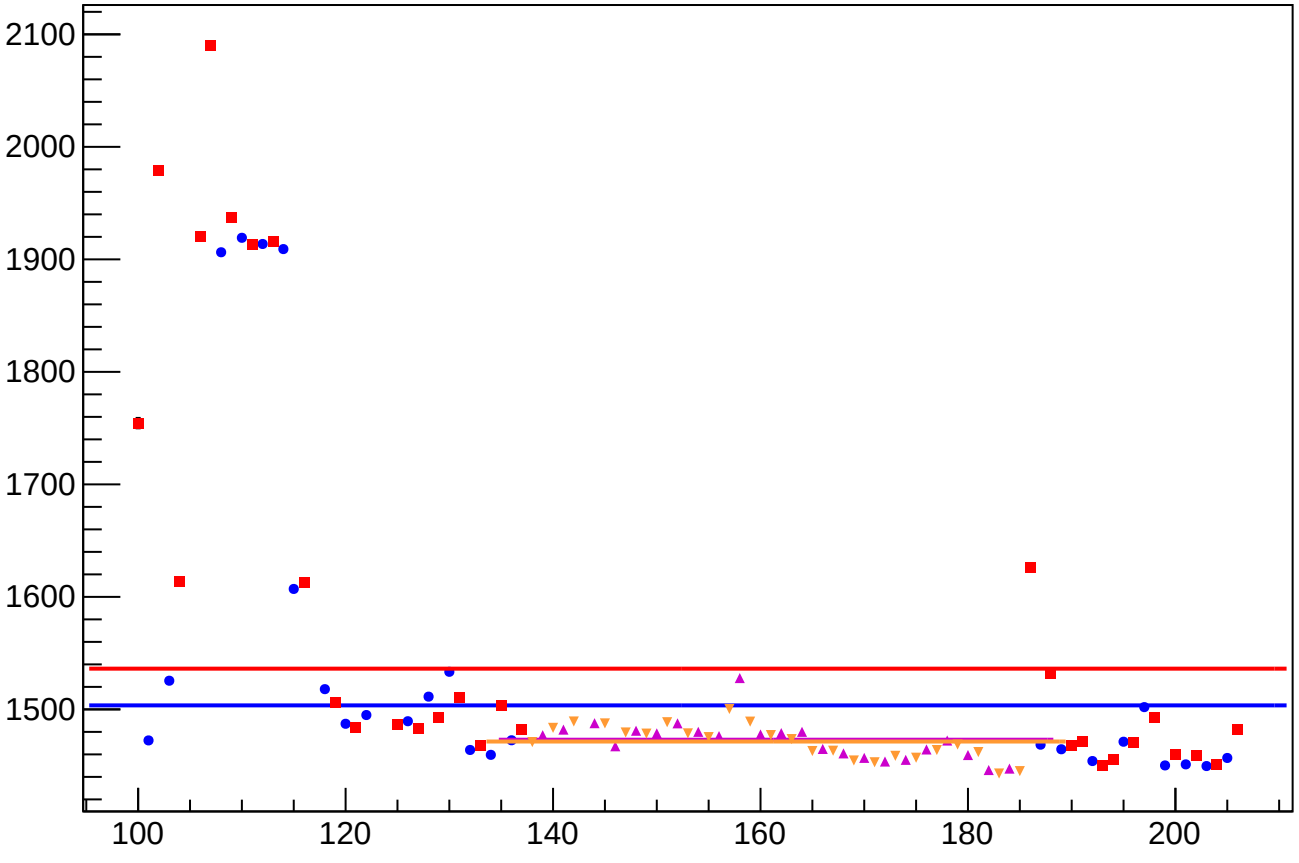
Left In: -1828.250+/-343.952 χ^2/NDF:25.8/22

+ sign 1627.482+/-260.112 χ^2/NDF: 40.1/48

All: -131.215+/-182.364 χ^2/NDF: 179.2/101

- sign -1831.400+/-255.748 χ^2/NDF: 49.3/52

eigen_dit_asym_usl_atl1_avg_rms vs Slug



Right In: 1503.562+/-0.284 χ^2/NDF: 144659.7/24

Left Out: 1471.437+/-0.242 χ^2/NDF:3436.8/23

Right Out: 1536.208+/-0.270 χ^2/NDF: 292382.4/29

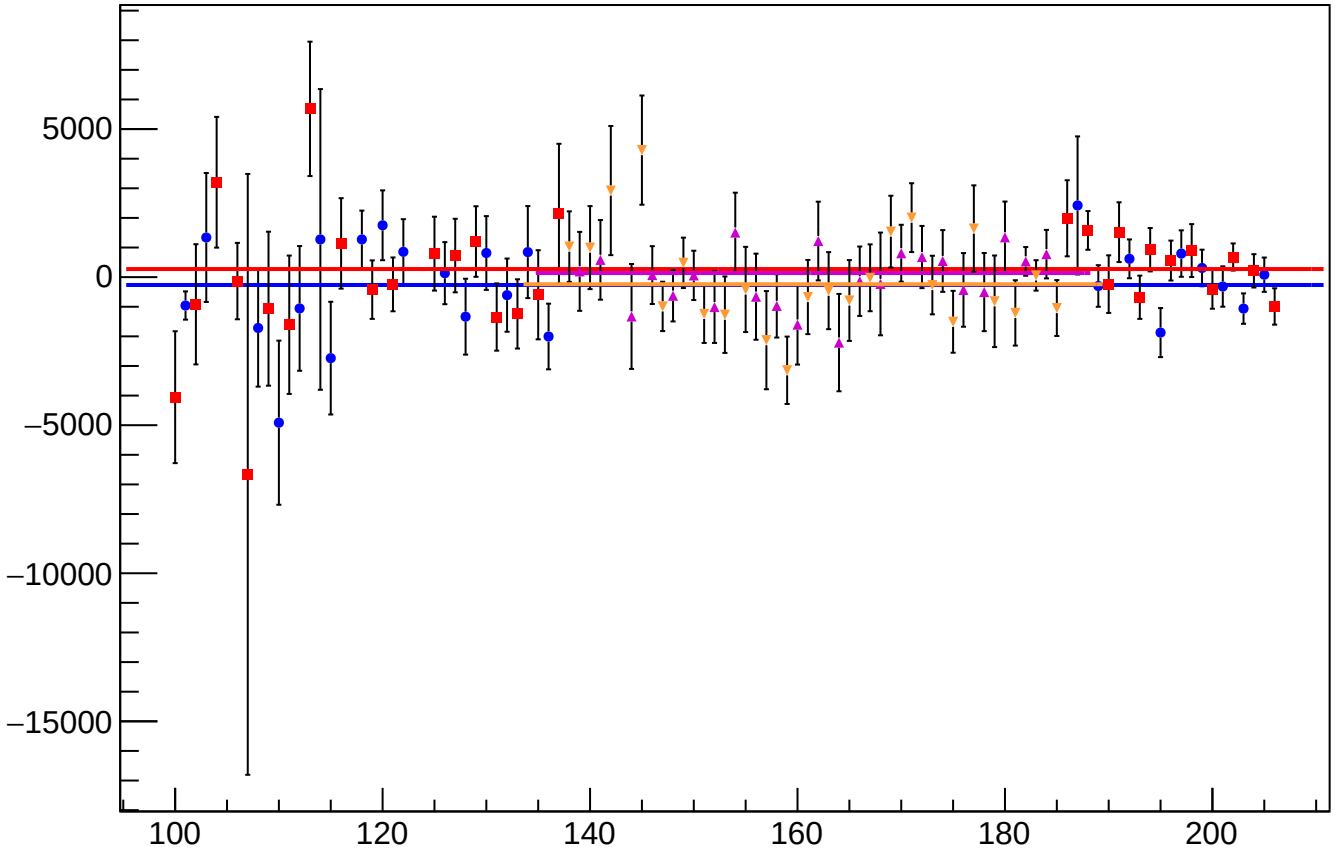
Left In: 1473.049+/-0.243 χ^2/NDF:4751.3/22

+ sign 1484.932+/-0.184 χ^2/NDF: 155528.5/48

All: 1493.249+/-0.129 χ^2/NDF: 486836.6/101

- sign 1501.289+/-0.181 χ^2/NDF: 327287.0/52

asym_usl_atl1_avg_eigen_dit_correction_mean vs Slug



Right In: -264.942+/-178.595 χ^2/NDF: 31.4/24

Left Out: -240.269+/-221.788 χ^2/NDF:32.4/23

Right Out: 273.483+/-172.474 χ^2/NDF: 36.6/29

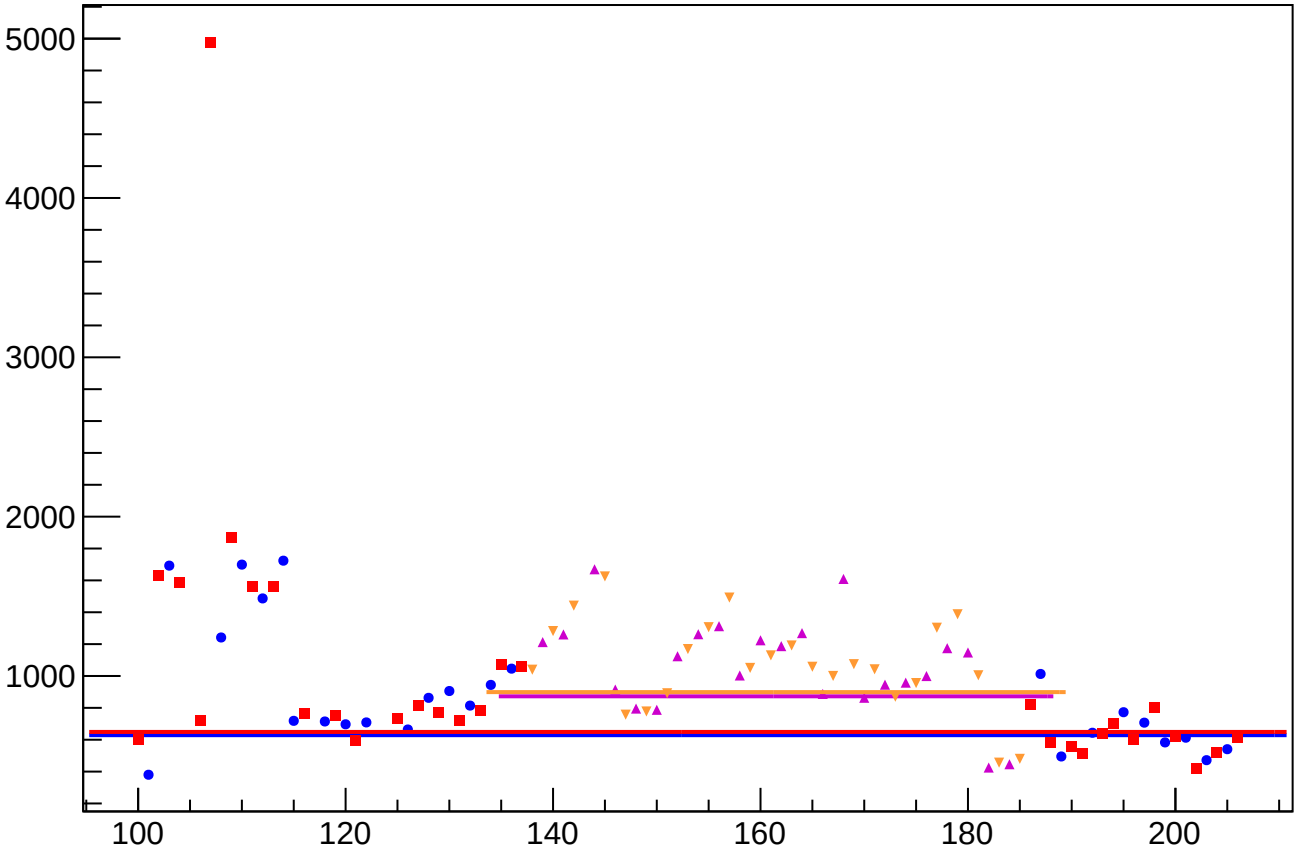
Left In: 138.421+/-218.478 χ^2/NDF:13.0/22

+ sign -255.237+/-139.102 χ^2/NDF: 63.9/48

All: -10.329+/-97.015 χ^2/NDF: 119.7/101

- sign 221.628+/-135.375 χ^2/NDF: 49.8/52

asym_usl_atl1_avg_eigen_dit_correction_rms vs Slug



Right In: 628.568+/-0.126 χ^2/NDF: 3004967.6/24

Left Out: 898.850+/-0.157 χ^2/NDF:3791537.4/23

Right Out: 648.919+/-0.122 χ^2/NDF: 3455024.9/29

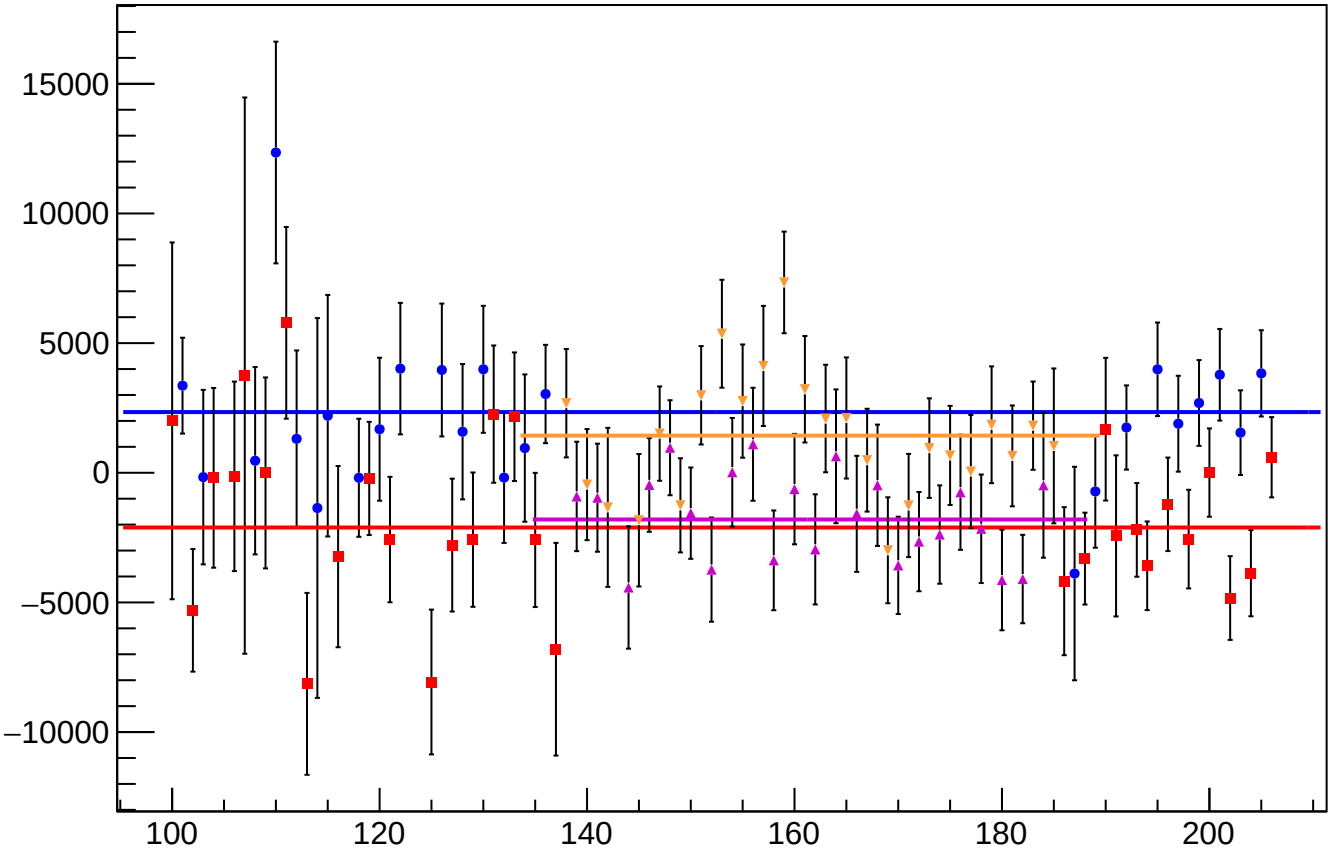
Left In: 872.473+/-0.154 χ^2/NDF:4435524.1/22

+ sign 734.887+/-0.098 χ^2/NDF: 8598349.4/48

All: 734.816+/-0.069 χ^2/NDF: 17778949.9/10

- sign 734.749+/-0.096 χ^2/NDF: 9180599.5/52

asym_usl_atl1_avg_mean vs Slug



Right In: 2340.325+/-454.464 χ^2/NDF: 18.1/24

Left Out: 1433.314+/-424.465 χ^2/NDF:29.4/23

Right Out: -2110.447+/-429.550 χ^2/NDF: 36.0/29

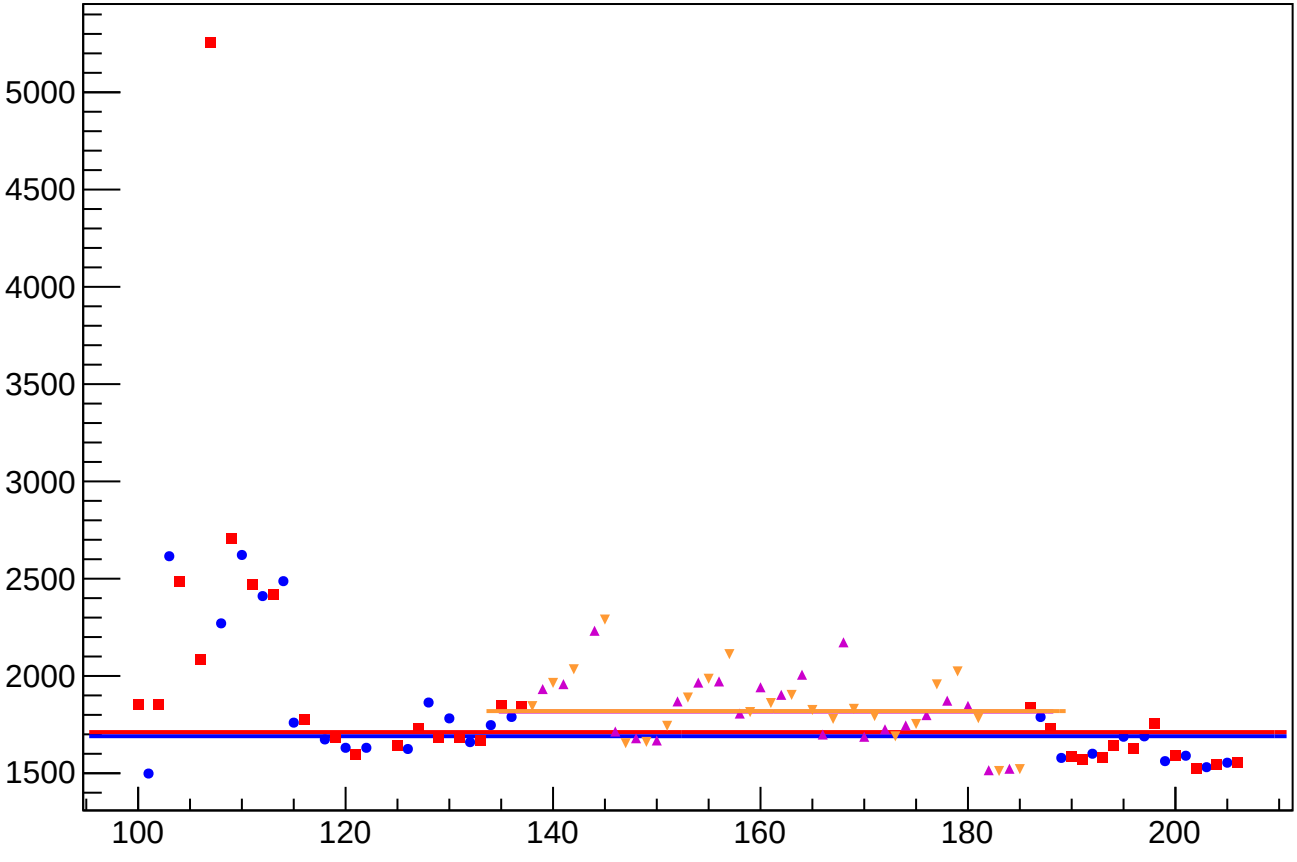
Left In: -1801.543+/-426.483 χ^2/NDF:15.3/22

+ sign 1855.898+/-310.206 χ^2/NDF: 49.6/48

All: -96.485+/-216.627 χ^2/NDF: 178.5/101

- sign -1954.888+/-302.647 χ^2/NDF: 51.6/52

asym_usl_atl1_avg_rms vs Slug



Right In: 1690.392+/-0.321 χ^2/NDF: 517792.9/24

Left Out: 1819.417+/-0.300 χ^2/NDF:295015.0/23

Right Out: 1711.567+/-0.304 χ^2/NDF: 782758.6/29

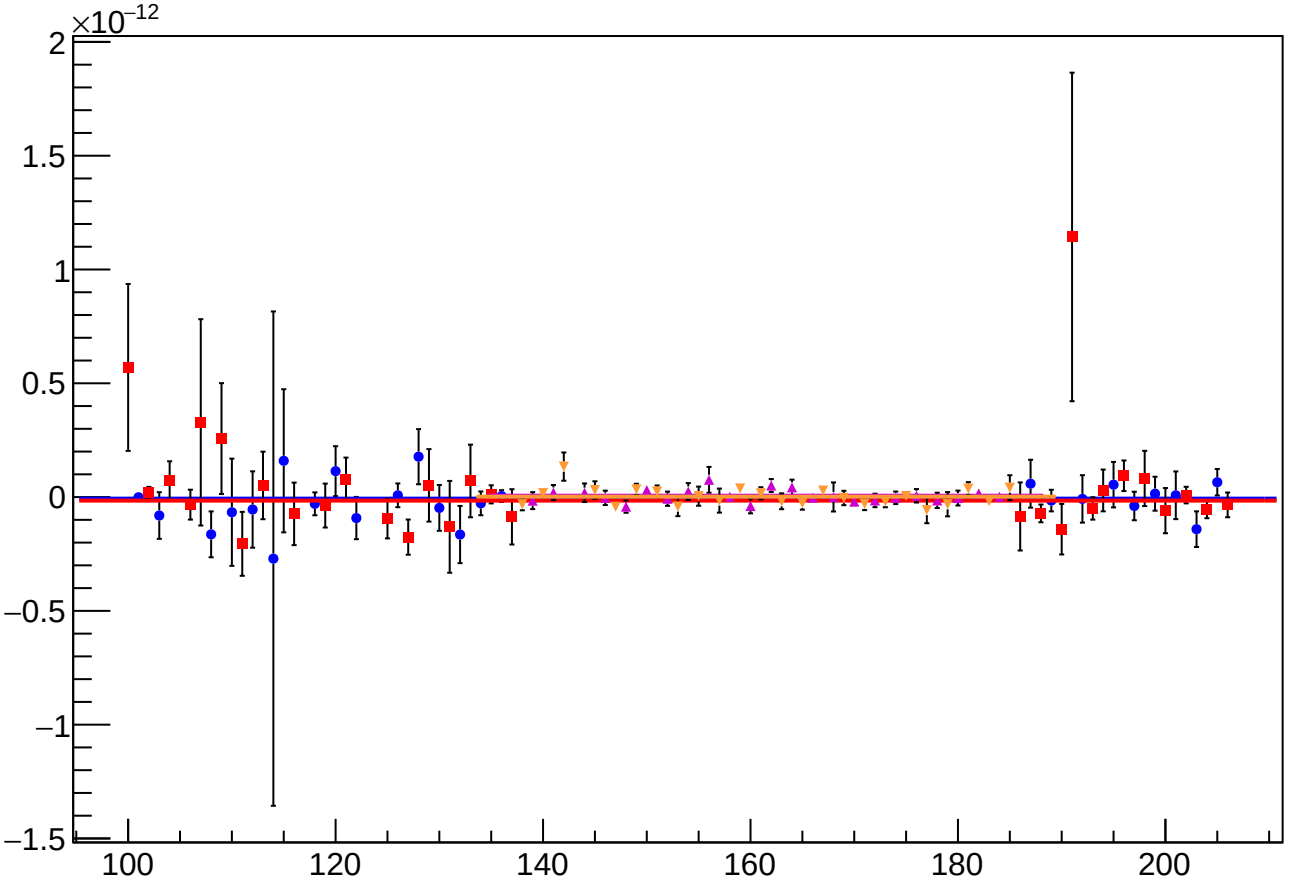
Left In: 1817.142+/-0.302 χ^2/NDF:307103.2/22

+ sign 1759.303+/-0.219 χ^2/NDF: 898906.9/48

All: 1762.085+/-0.153 χ^2/NDF: 2049922.8/10

- sign 1764.733+/-0.214 χ^2/NDF: 1150702.0/52

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 15.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:29.3/23

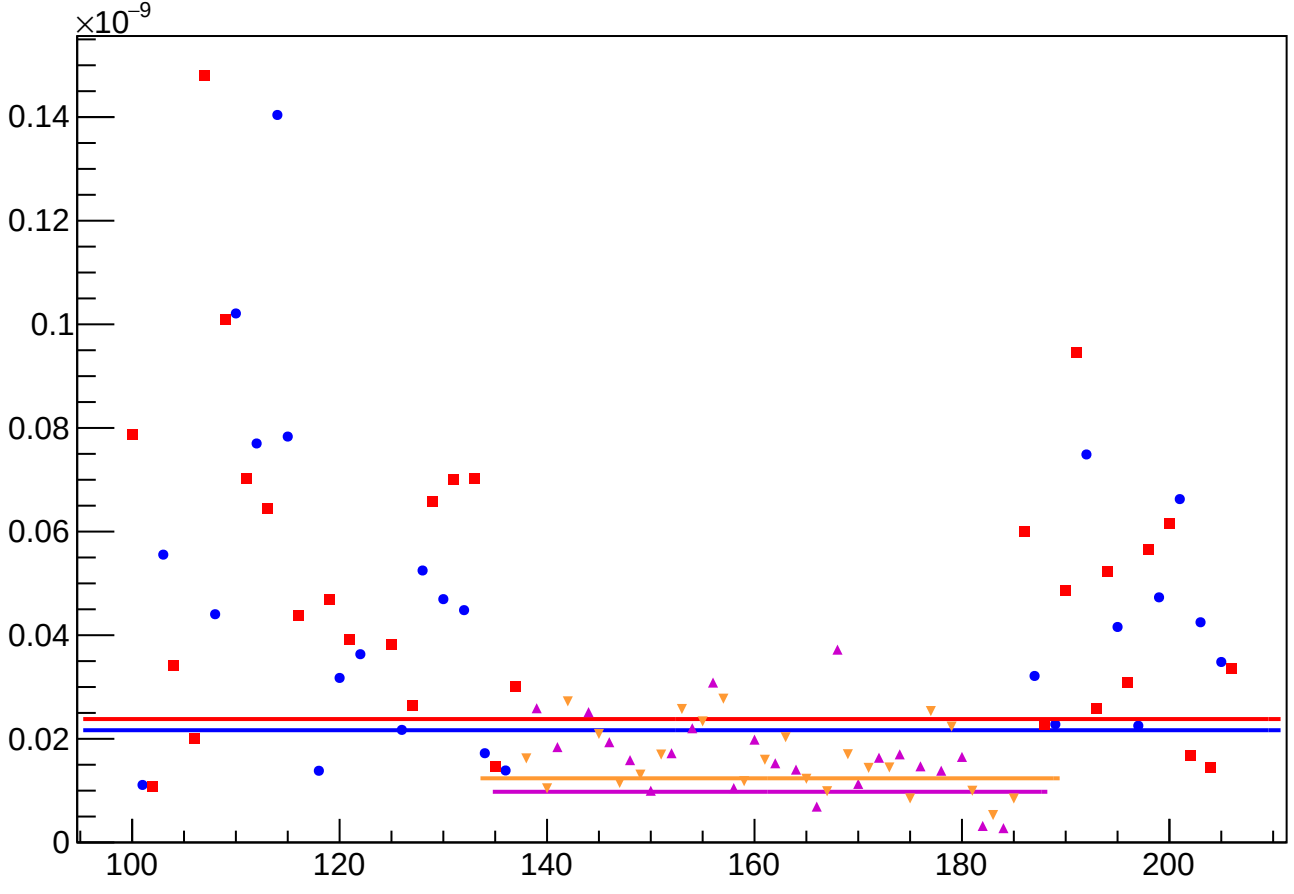
Right Out: -0.000+/-0.000 χ^2/NDF: 29.5/29

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.7/48

All: 0.000+/-0.000 χ^2/NDF: 96.1/101

- sign 0.000+/-0.000 χ^2/NDF: 50.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 3512038.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1898110.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3279109.1/29

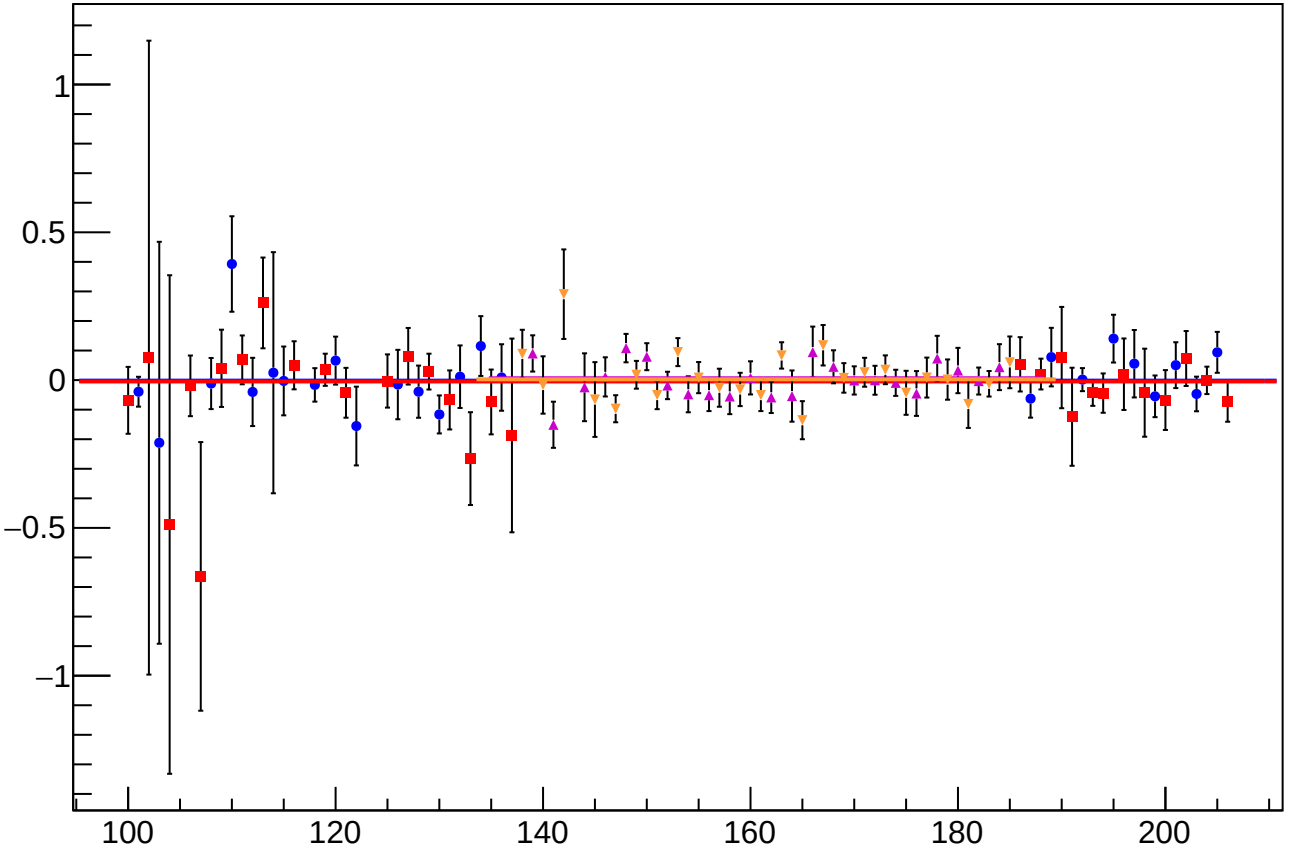
Left In: 0.000+/-0.000 χ^2/NDF:4499862.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6479341.2/48

All: 0.000+/-0.000 χ^2/NDF: 16910741.9/101

- sign 0.000+/-0.000 χ^2/NDF: 10157868.6/52

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.005+/-0.016 χ^2/NDF: 17.5/29

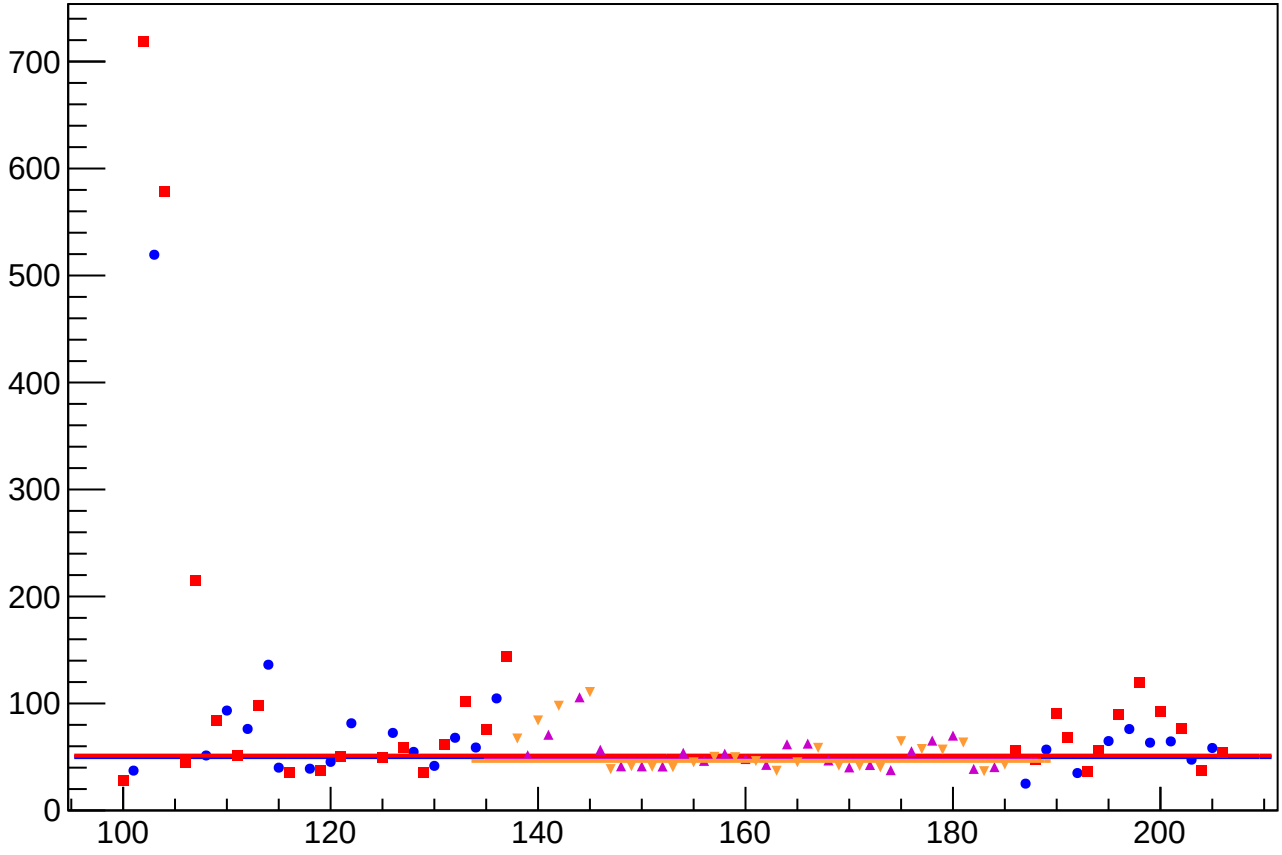
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.009 χ^2/NDF: 51.9/48

All: 0.002+/-0.007 χ^2/NDF: 91.4/101

- sign 0.002+/-0.010 χ^2/NDF: 39.4/52

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 49.866+/-0.011 χ^2/NDF: 3240322.2/24

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

Right Out: 51.258+/-0.011 χ^2/NDF: 4733371.7/29

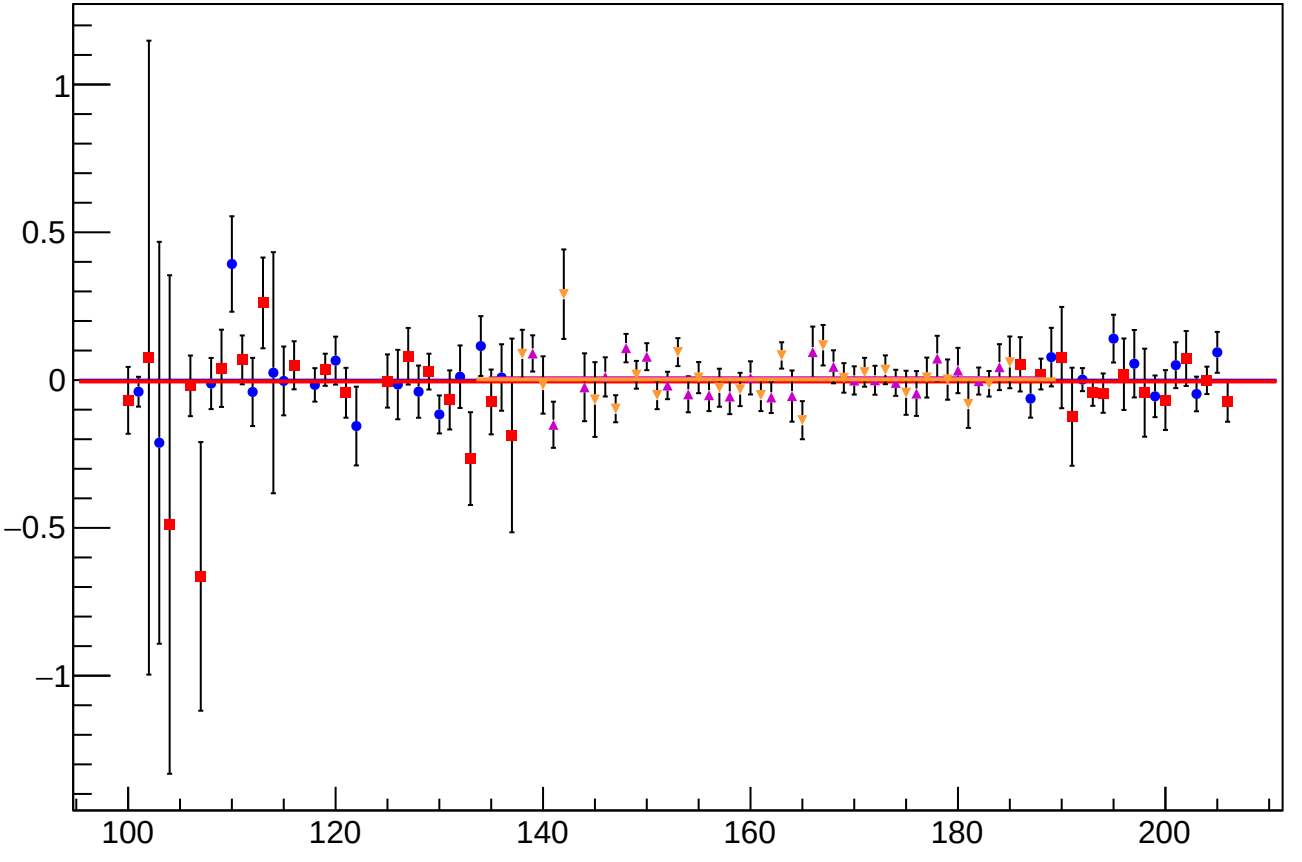
Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.633+/-0.007 χ^2/NDF: 5271601.4/48

All: 48.291+/-0.005 χ^2/NDF: 11670106.4/101

- sign 48.963+/-0.007 χ^2/NDF: 6379023.8/52

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.005+/-0.016 χ^2/NDF: 17.5/29

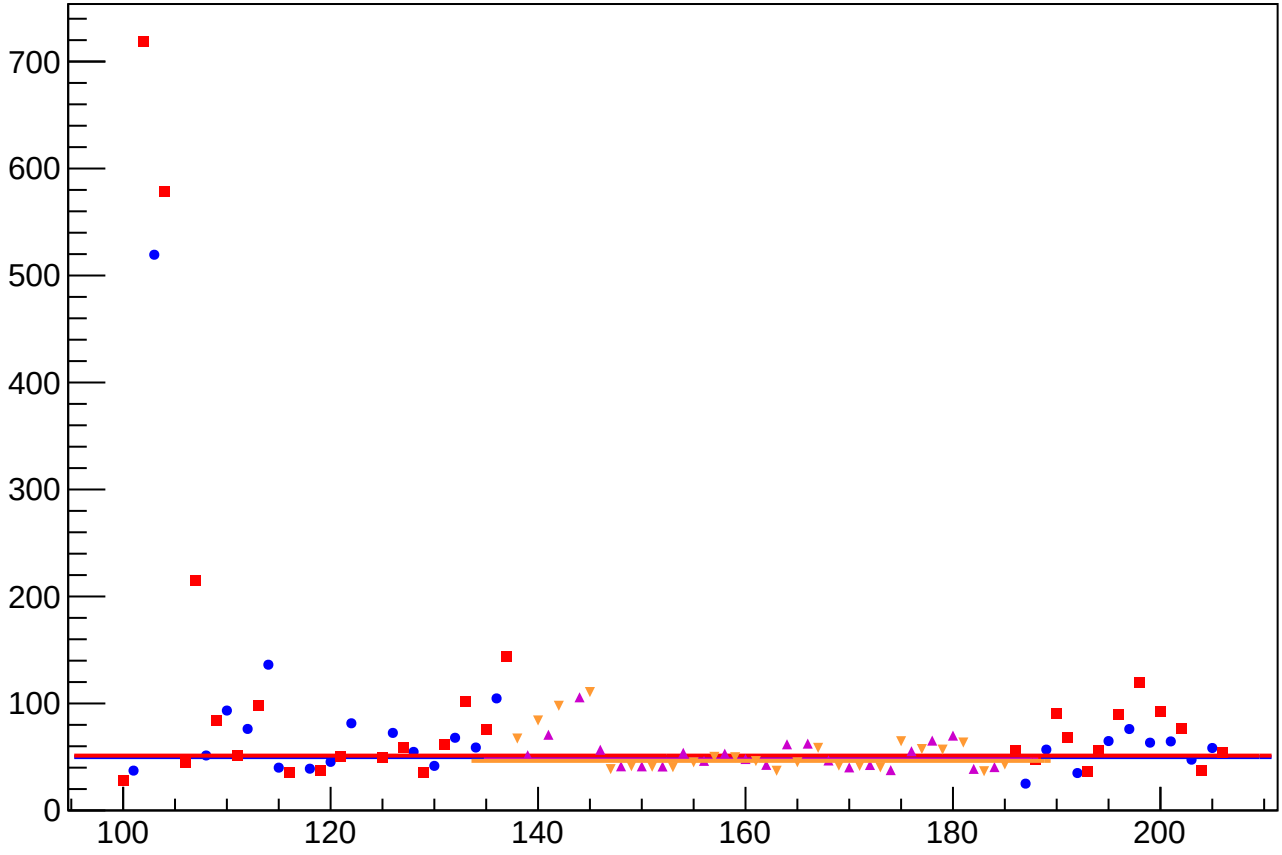
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.009 χ^2/NDF: 51.9/48

All: 0.002+/-0.007 χ^2/NDF: 91.4/101

- sign 0.002+/-0.010 χ^2/NDF: 39.4/52

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 49.866+/-0.011 χ^2/NDF: 3240322.2/24

Left Out: 46.353+/-0.008 χ^2/NDF:1967753.2/23

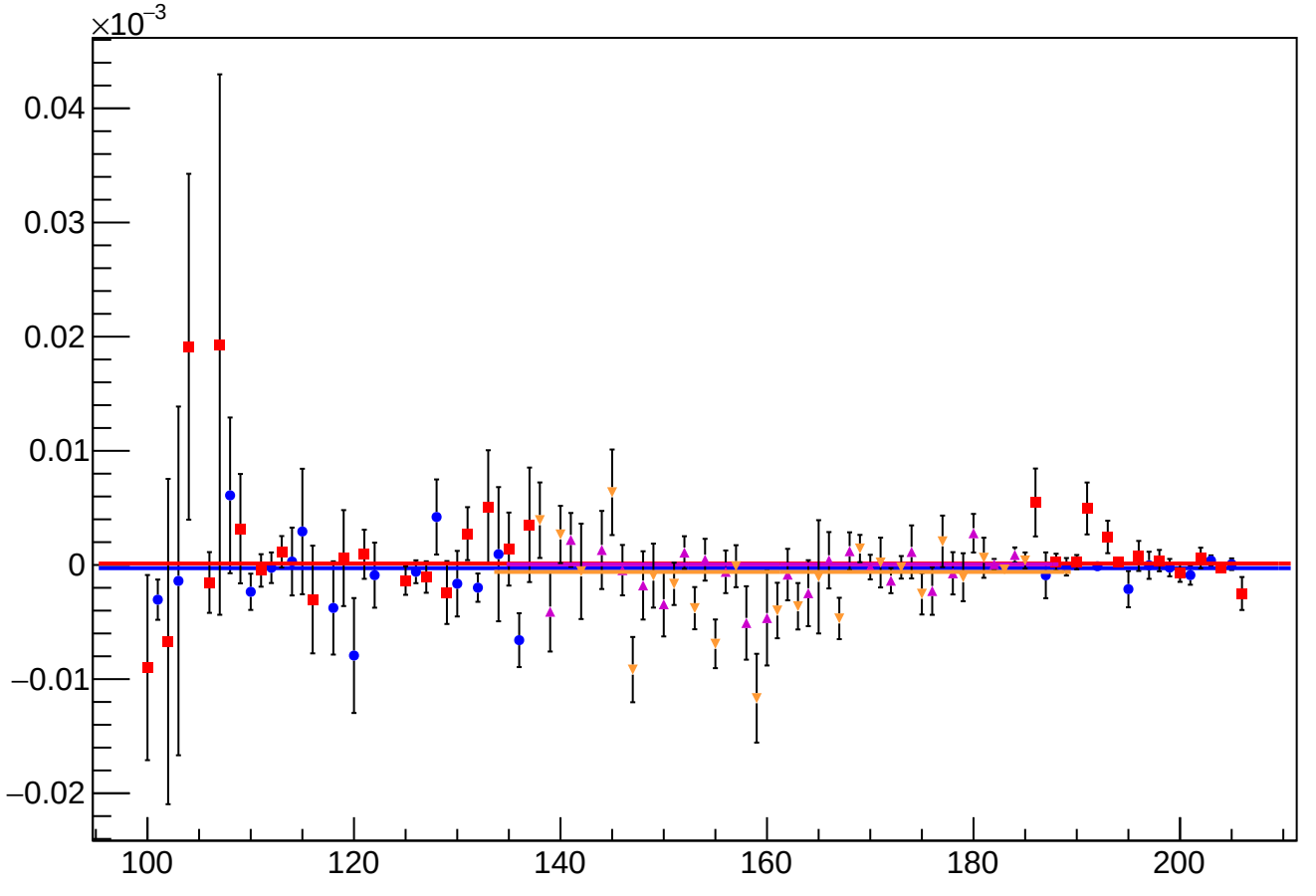
Right Out: 51.258+/-0.011 χ^2/NDF: 4733371.7/29

Left In: 47.575+/-0.009 χ^2/NDF:1576196.2/22

+ sign 47.633+/-0.007 χ^2/NDF: 5271601.4/48

All: 48.291+/-0.005 χ^2/NDF: 11670106.4/101

- sign 48.963+/-0.007 χ^2/NDF: 6379023.8/52



Right In: -0.000+/-0.000 χ^2/NDF: 24.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:54.0/23

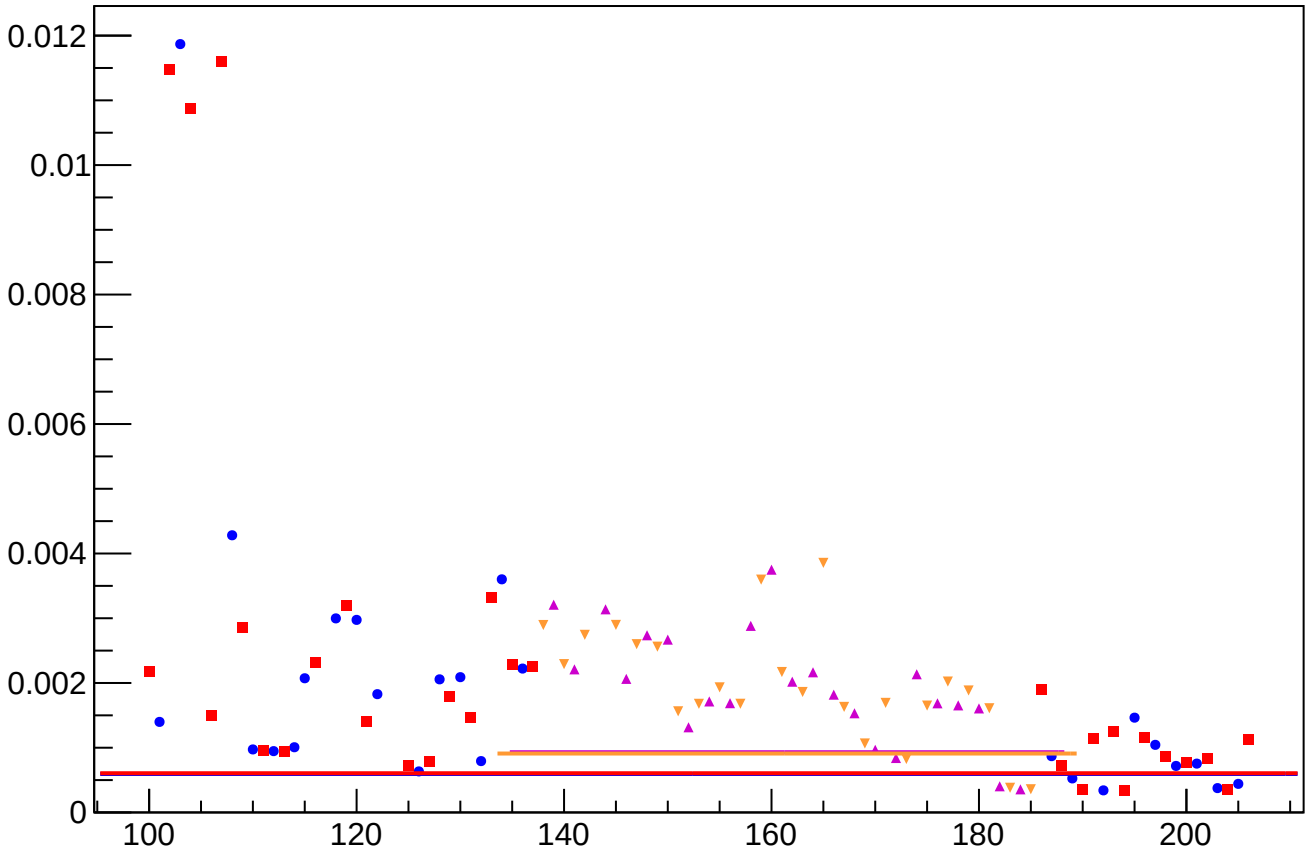
Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/29

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 79.4/48

All: -0.000+/-0.000 χ^2/NDF: 130.1/101

- sign 0.000+/-0.000 χ^2/NDF: 45.9/52



Right In: 0.001+/-0.000 χ^2/NDF: 8978186.9/24

Left Out: 0.001+/-0.000 χ^2/NDF:14137356.3/23

Right Out: 0.001+/-0.000 χ^2/NDF: 10917287.8/29

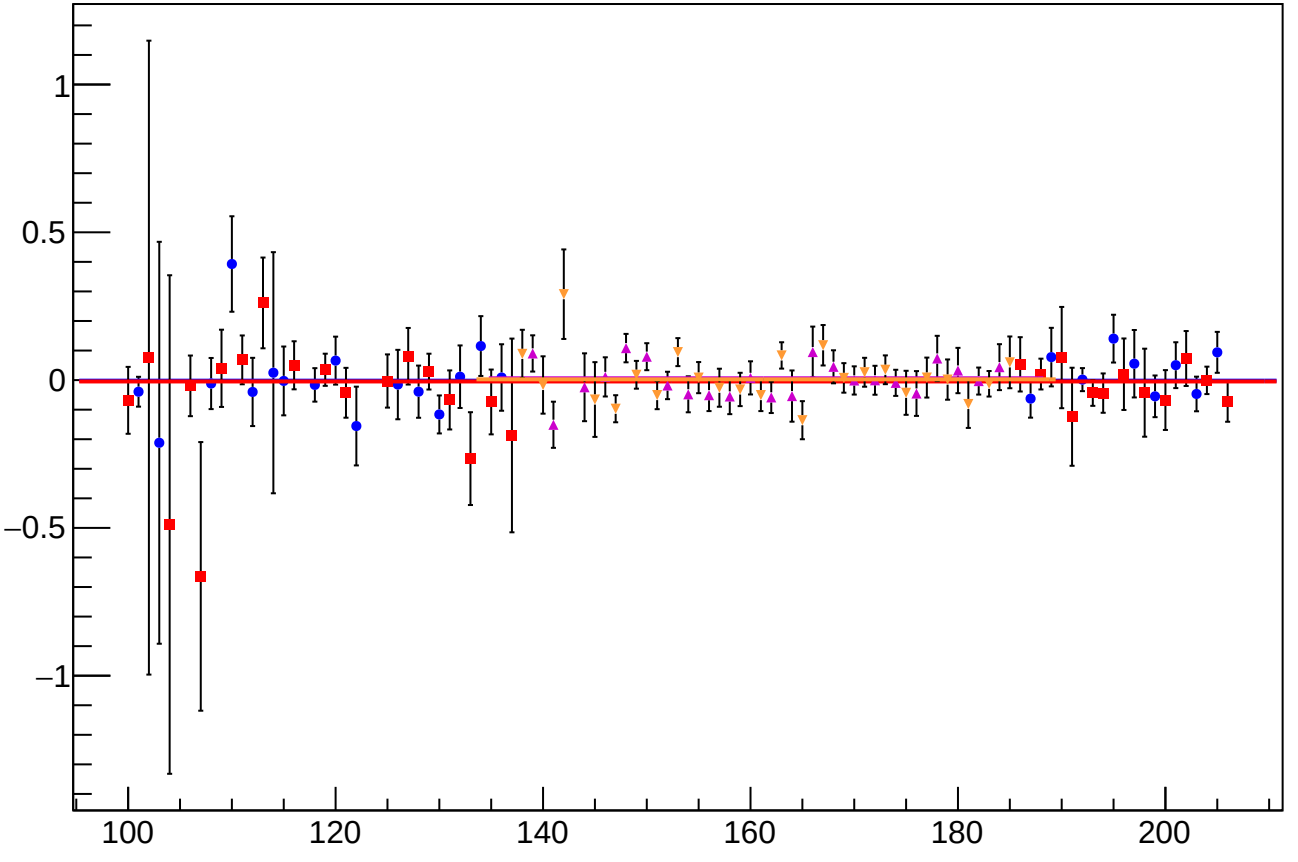
Left In: 0.001+/-0.000 χ^2/NDF:13690985.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 24809295.2/48

All: 0.001+/-0.000 χ^2/NDF: 51218916.6/101

- sign 0.001+/-0.000 χ^2/NDF: 26407514.3/52

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

Right Out: -0.005+/-0.016 χ^2/NDF: 17.5/29

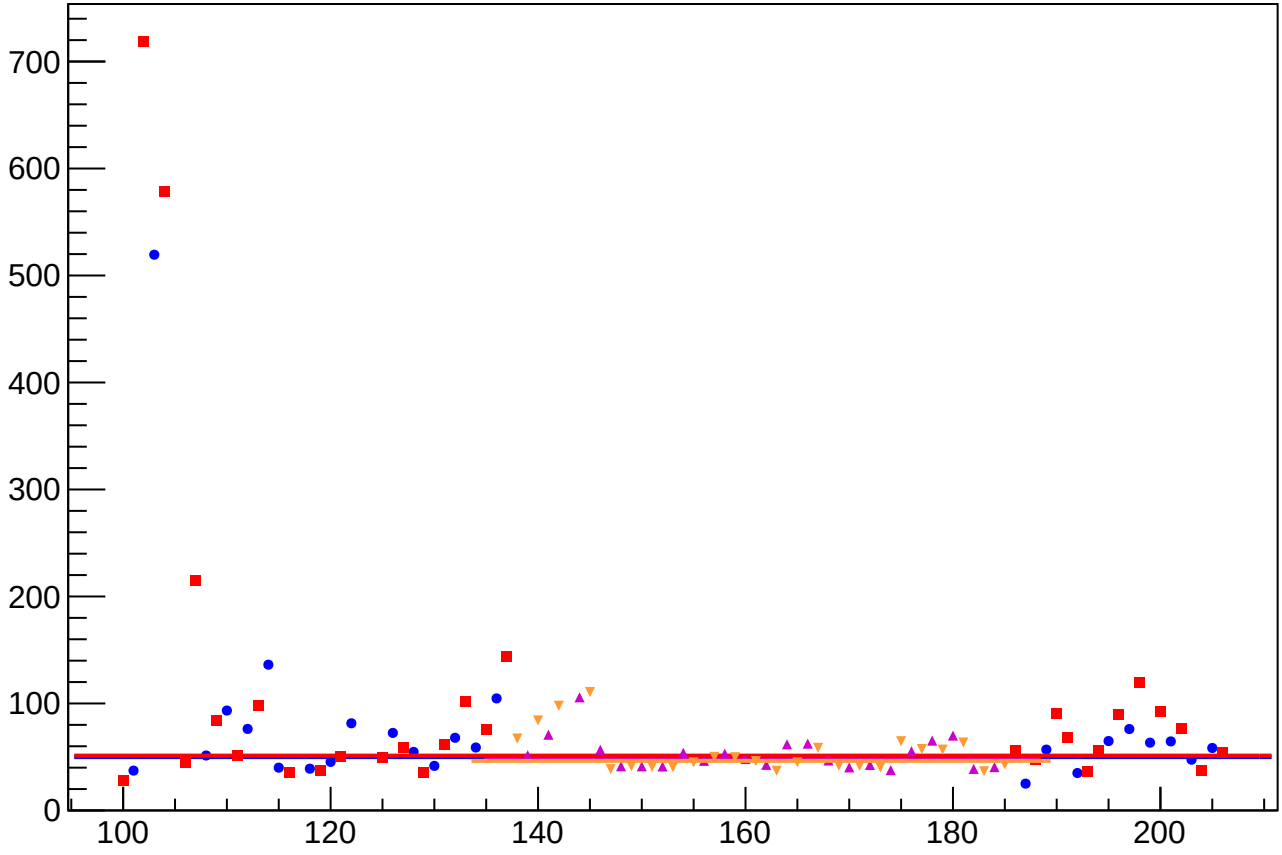
Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.009 χ^2/NDF: 51.9/48

All: 0.002+/-0.007 χ^2/NDF: 91.4/101

- sign 0.002+/-0.010 χ^2/NDF: 39.4/52

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.866+/-0.011 χ^2/NDF: 3240326.9/24

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

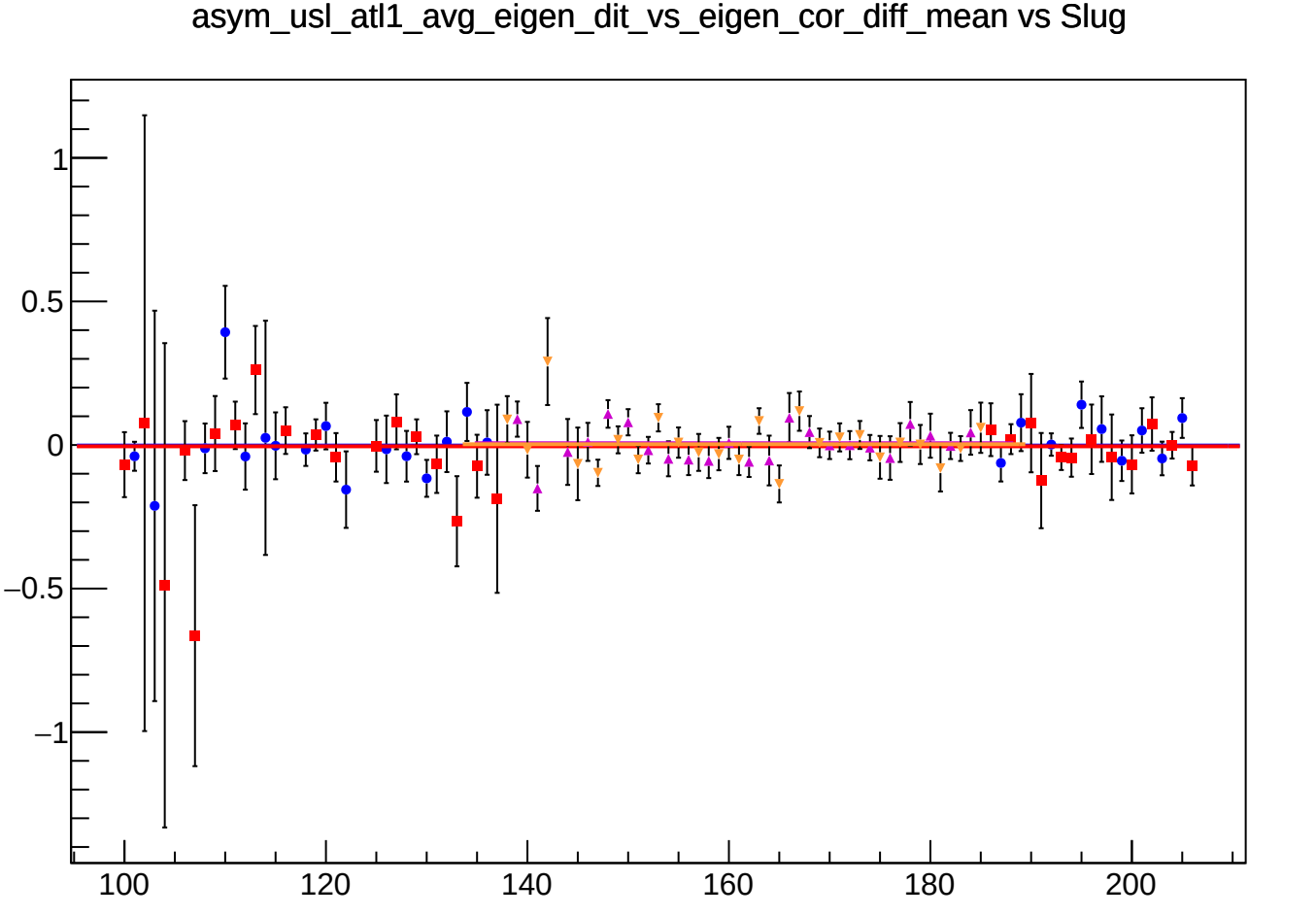
Right Out: 51.257+/-0.011 χ^2/NDF: 4733374.3/29

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.633+/-0.007 χ^2/NDF: 5271586.3/48

All: 48.291+/-0.005 χ^2/NDF: 11670086.2/101

- sign 48.963+/-0.007 χ^2/NDF: 6379022.7/52



Right In: -0.002+/-0.016 χ^2/NDF: 22.0/24

Left Out: 0.003+/-0.012 χ^2/NDF:29.9/23

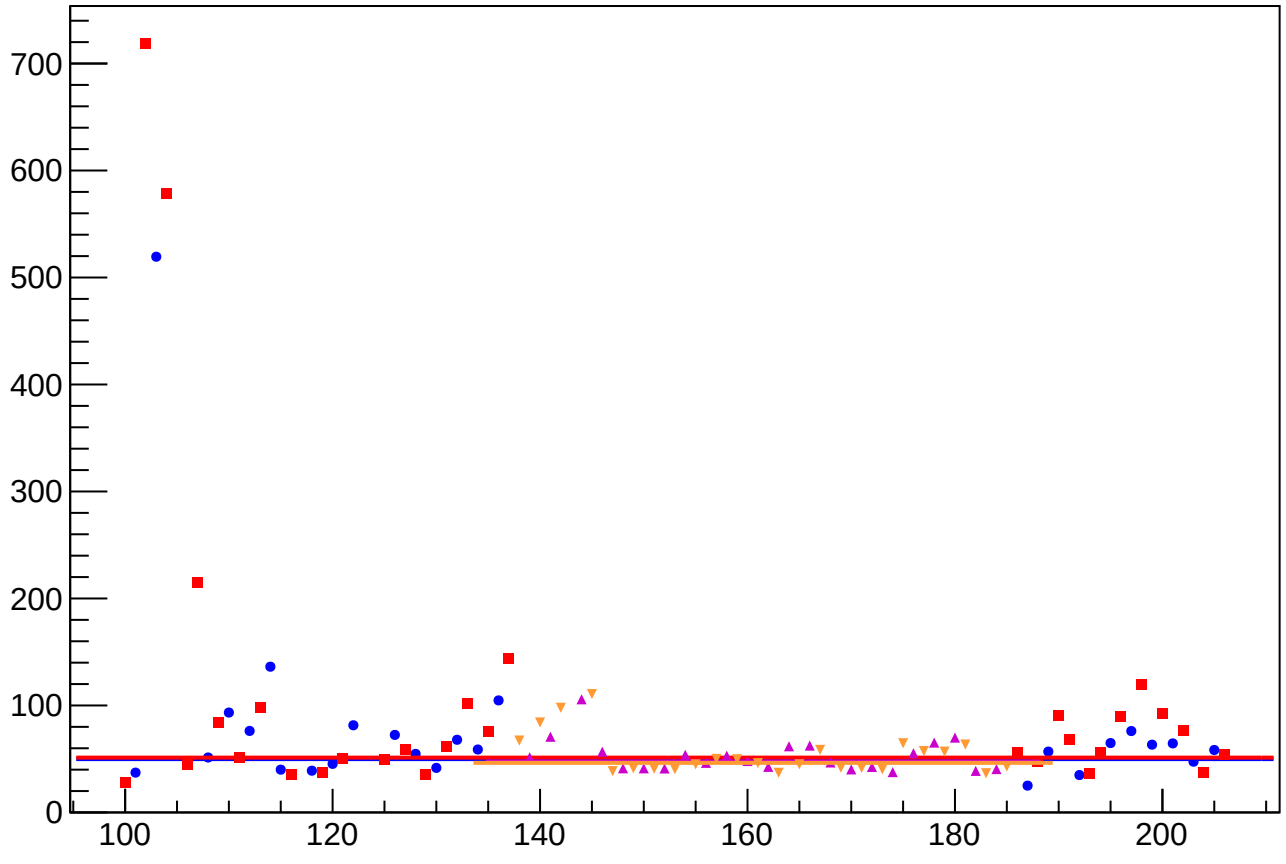
Right Out: -0.005+/-0.016 χ^2/NDF: 17.5/29

Left In: 0.006+/-0.012 χ^2/NDF:21.6/22

+ sign 0.001+/-0.009 χ^2/NDF: 51.9/48

All: 0.002+/-0.007 χ^2/NDF: 91.4/101

- sign 0.002+/-0.010 χ^2/NDF: 39.4/52



Right In: 49.866+/-0.011 χ^2/NDF: 3240326.9/24

Left Out: 46.354+/-0.008 χ^2/NDF:1967741.3/23

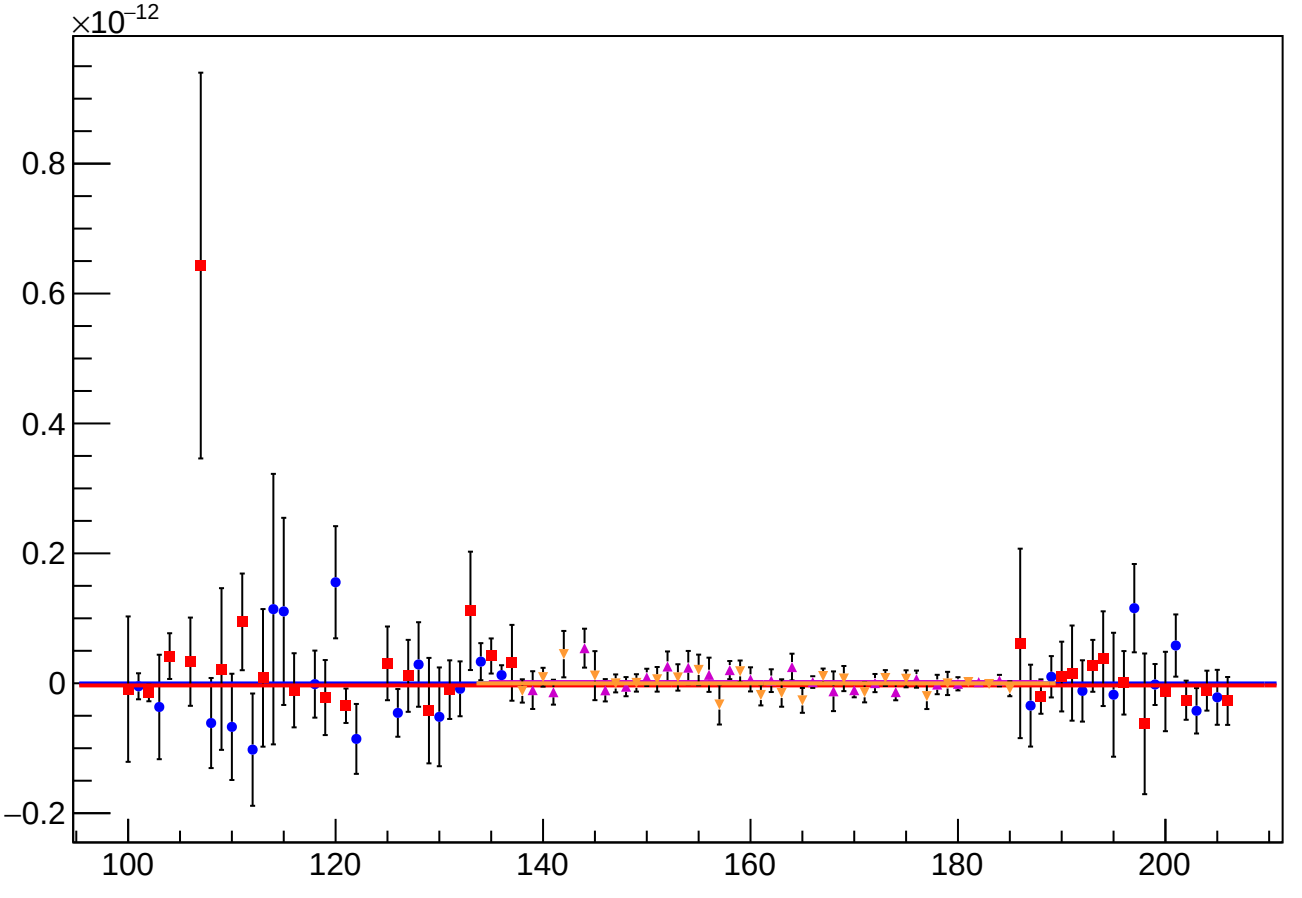
Right Out: 51.257+/-0.011 χ^2/NDF: 4733374.3/29

Left In: 47.575+/-0.009 χ^2/NDF:1576204.5/22

+ sign 47.633+/-0.007 χ^2/NDF: 5271586.3/48

All: 48.291+/-0.005 χ^2/NDF: 11670086.2/101

- sign 48.963+/-0.007 χ^2/NDF: 6379022.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:13.9/23

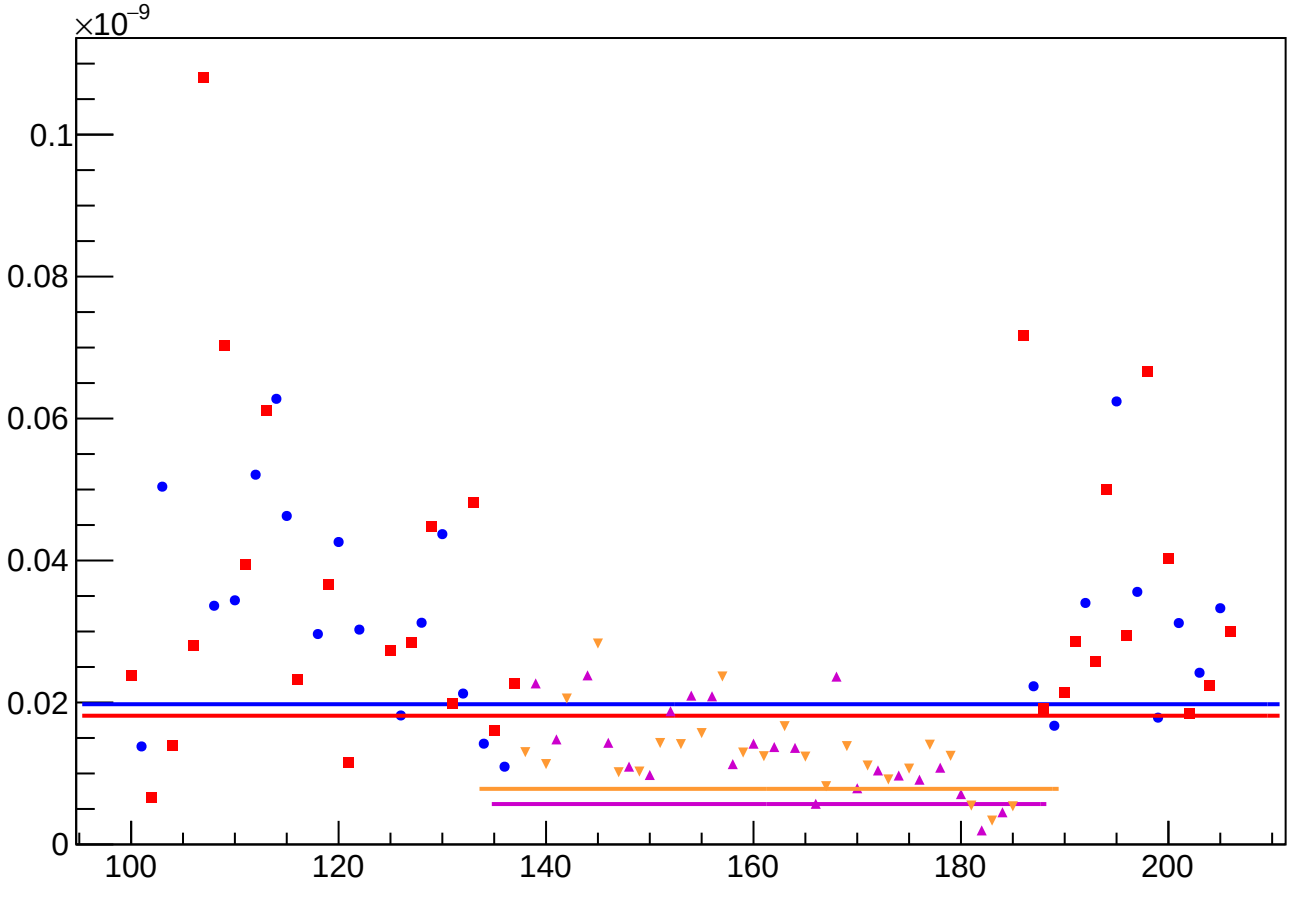
Right Out: -0.000+/-0.000 χ^2/NDF: 19.2/29

Left In: 0.000+/-0.000 χ^2/NDF:13.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.5/48

All: 0.000+/-0.000 χ^2/NDF: 67.8/101

- sign 0.000+/-0.000 χ^2/NDF: 33.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 3417975.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:6422392.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5392227.7/29

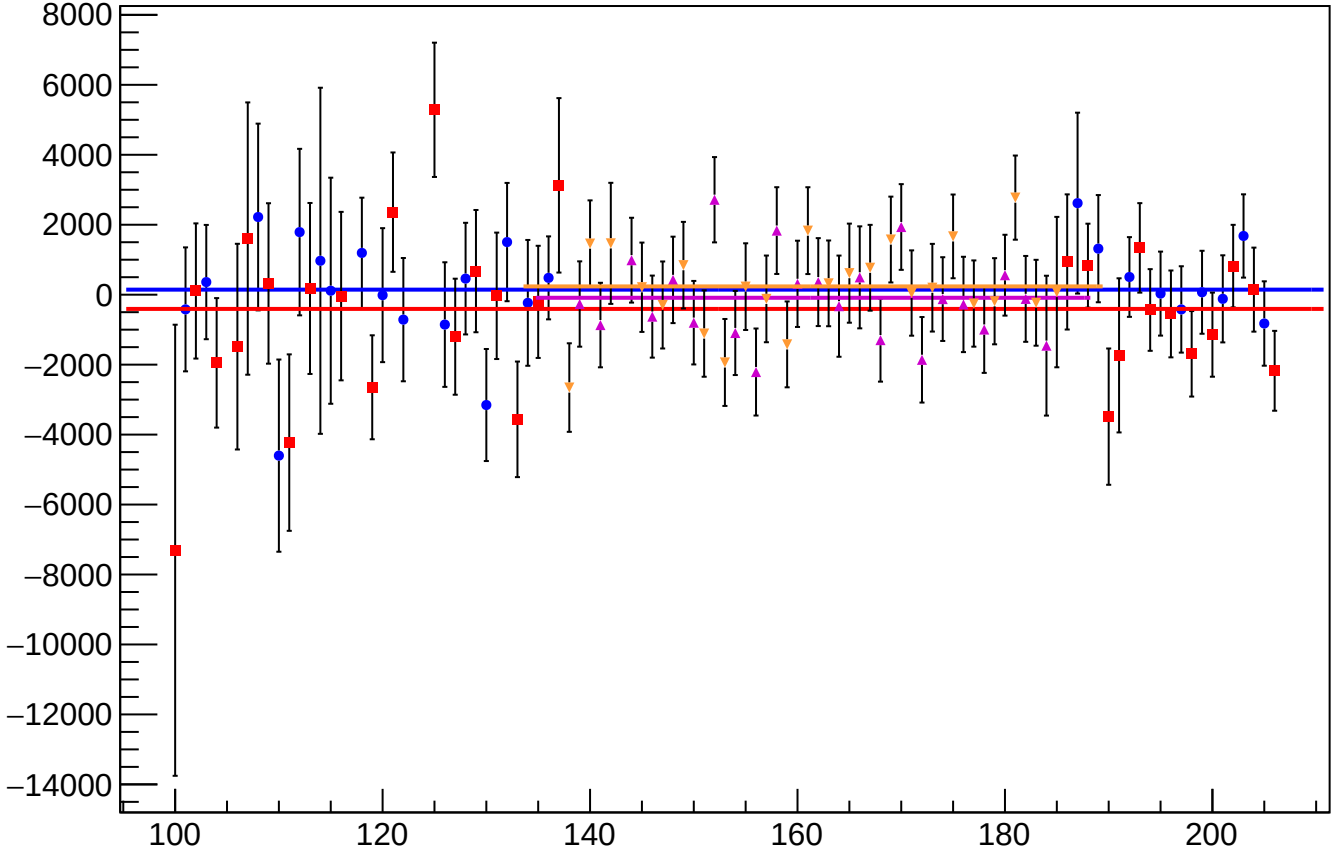
Left In: 0.000+/-0.000 χ^2/NDF:11199324.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 13998490.9/48

All: 0.000+/-0.000 χ^2/NDF: 37046903.0/101

- sign 0.000+/-0.000 χ^2/NDF: 22001274.0/52

reg_asym_usl_atl1_dd_mean vs Slug



Right In: 144.308+/-313.338 χ^2/NDF: 14.4/24

Left Out: 236.601+/-259.669 χ^2/NDF:22.7/23

Right Out: -406.737+/-296.186 χ^2/NDF: 36.3/29

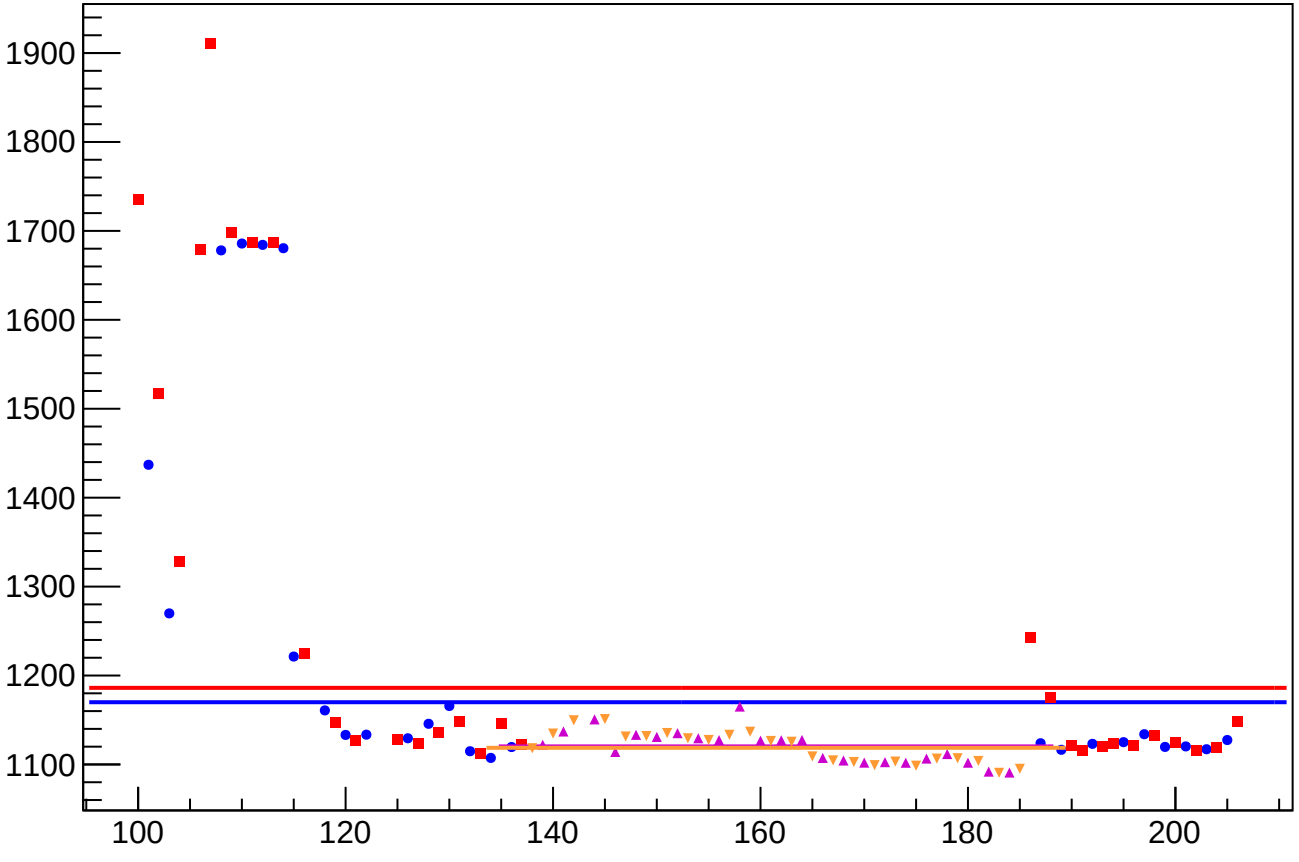
Left In: -88.380+/-261.602 χ^2/NDF:20.9/22

+ sign 199.024+/-199.936 χ^2/NDF: 37.2/48

All: -18.600+/-139.990 χ^2/NDF: 97.3/101

- sign -227.896+/-196.073 χ^2/NDF: 57.8/52

reg_asym_usl_atl1_dd_rms vs Slug



Right In: 1169.980+/-0.222 χ^2/NDF: 346488.3/24

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1186.144+/-0.209 χ^2/NDF: 537928.4/29

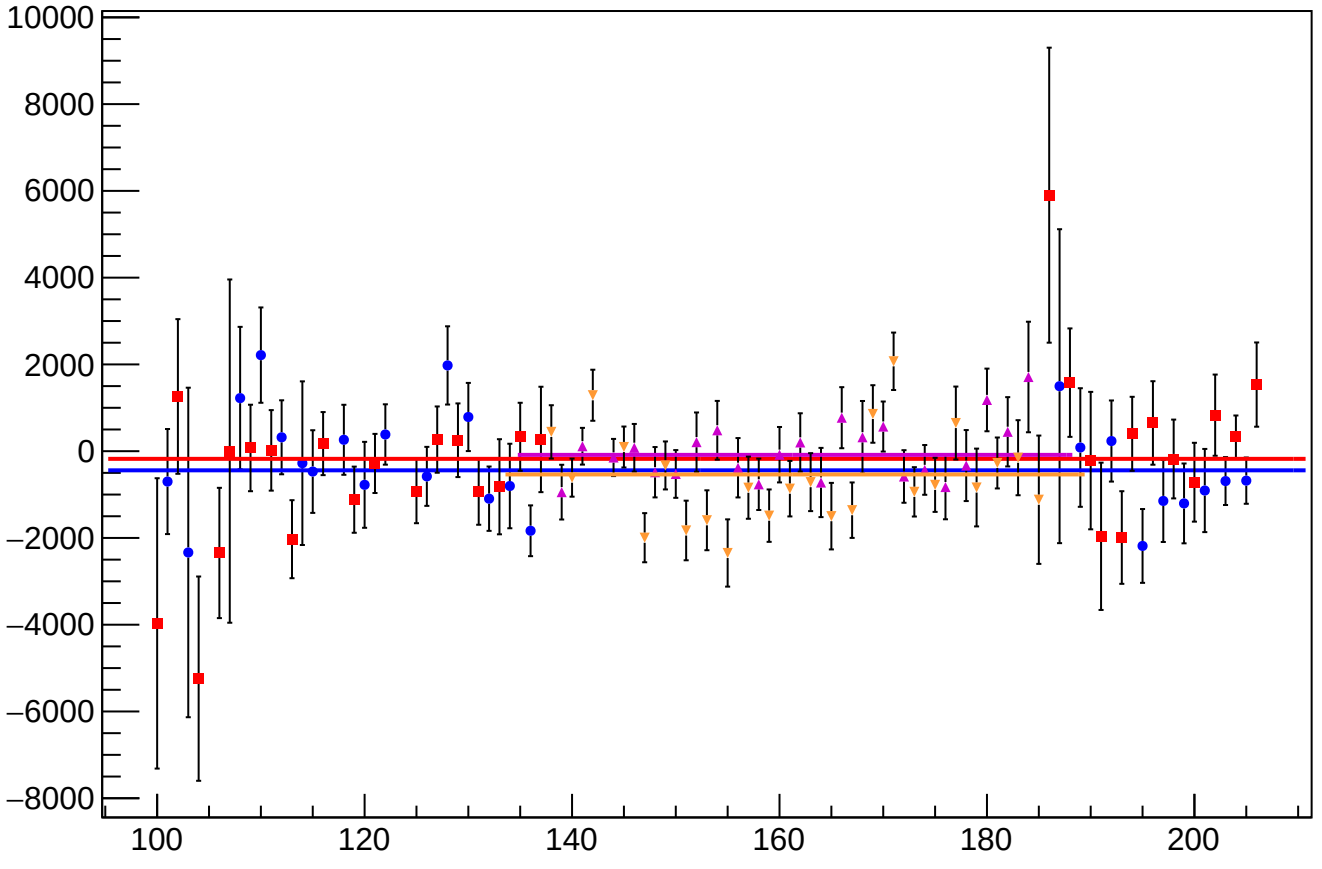
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1139.599+/-0.141 χ^2/NDF: 386409.6/48

All: 1144.472+/-0.099 χ^2/NDF: 991659.6/101

- sign 1149.160+/-0.139 χ^2/NDF: 602918.4/52

asym_usl_atl1_dd_reg_correction_mean vs Slug



Right In: -441.412+/-172.892 χ^2/NDF: 33.5/24

Left Out: -535.899+/-130.646 χ^2/NDF:61.6/23

Right Out: -176.796+/-172.544 χ^2/NDF: 34.3/29

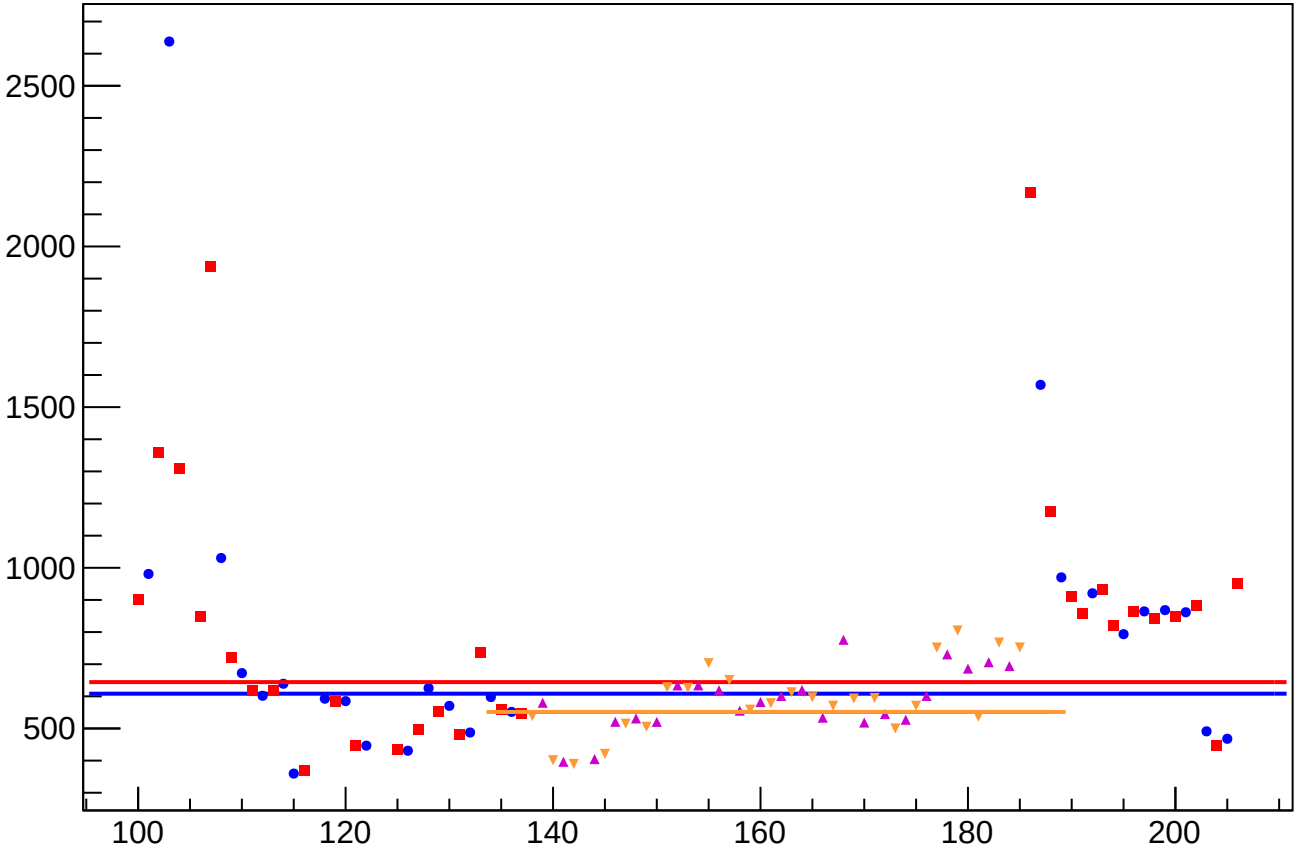
Left In: -85.254+/-130.966 χ^2/NDF:17.1/22

+ sign -501.556+/-104.233 χ^2/NDF: 95.3/48

All: -310.293+/-73.734 χ^2/NDF: 153.7/101

- sign -118.715+/-104.319 χ^2/NDF: 51.6/52

asym_usl_atl1_dd_reg_correction_rms vs Slug



Right In: 608.249+/-0.122 χ^2/NDF: 2634164.0/24

Left Out: 551.440+/-0.092 χ^2/NDF:1226616.4/23

Right Out: 644.251+/-0.122 χ^2/NDF: 3661027.5/29

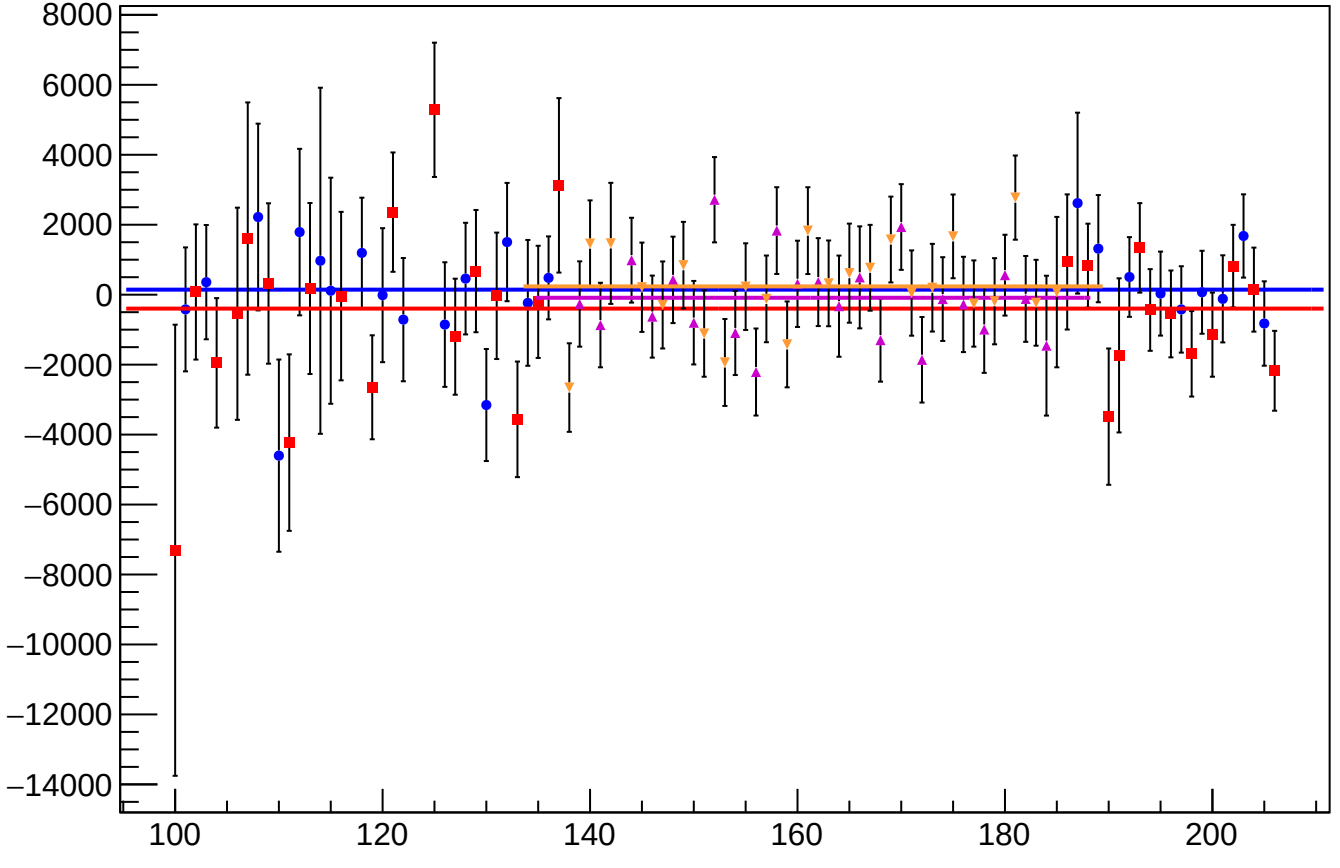
Left In: 551.336+/-0.093 χ^2/NDF:1061764.2/22

+ sign 572.088+/-0.074 χ^2/NDF: 3998226.4/48

All: 578.688+/-0.052 χ^2/NDF: 9105039.7/101

- sign 585.300+/-0.074 χ^2/NDF: 5090761.1/52

cor_asym_usl_atl1_dd_mean vs Slug



Right In: 144.138+/-313.338 χ^2/NDF: 14.4/24

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -397.802+/-296.277 χ^2/NDF: 36.1/29

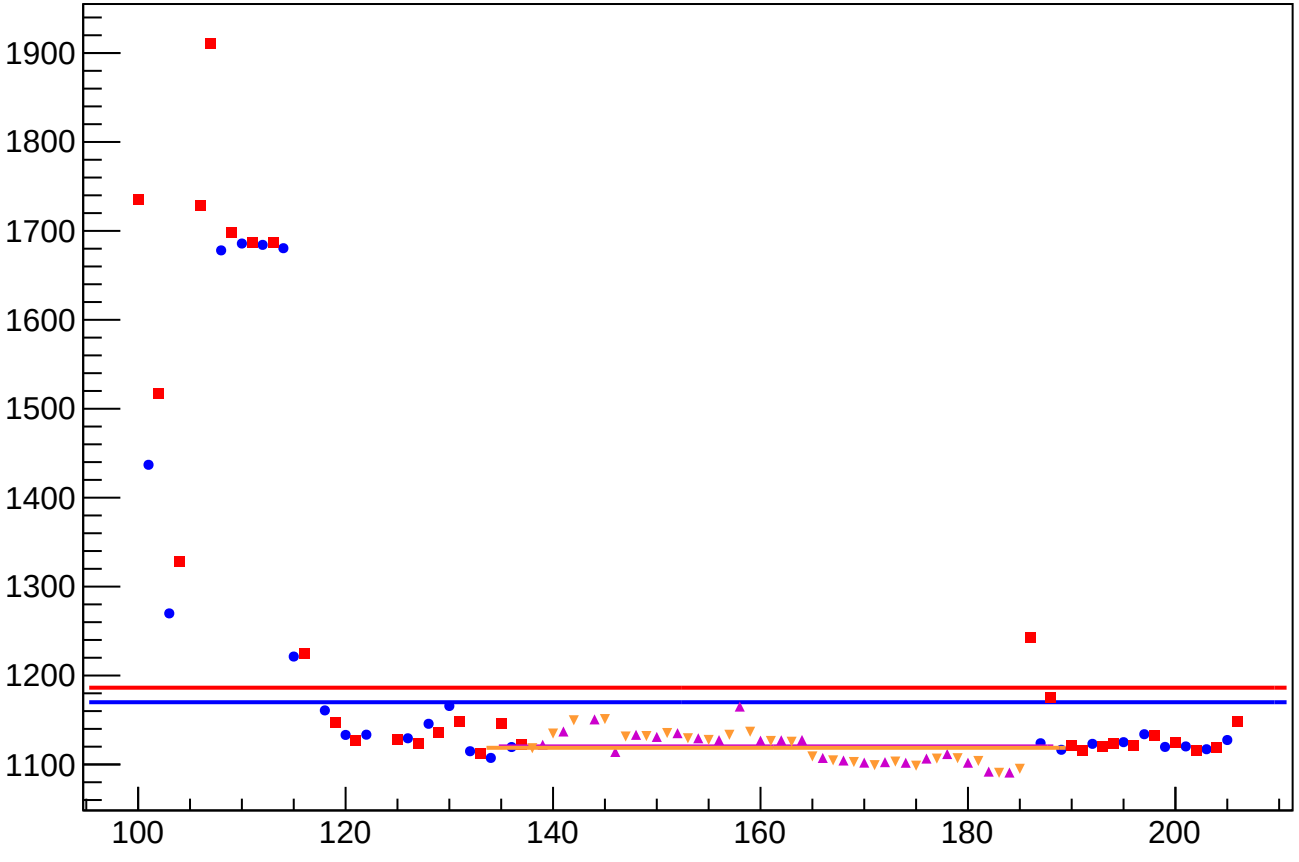
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 198.979+/-199.936 χ^2/NDF: 37.2/48

All: -16.570+/-140.000 χ^2/NDF: 97.1/101

- sign -223.927+/-196.100 χ^2/NDF: 57.6/52

cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1169.980+/-0.222 χ^2/NDF: 346488.4/24

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

Right Out: 1186.321+/-0.209 χ^2/NDF: 545809.5/29

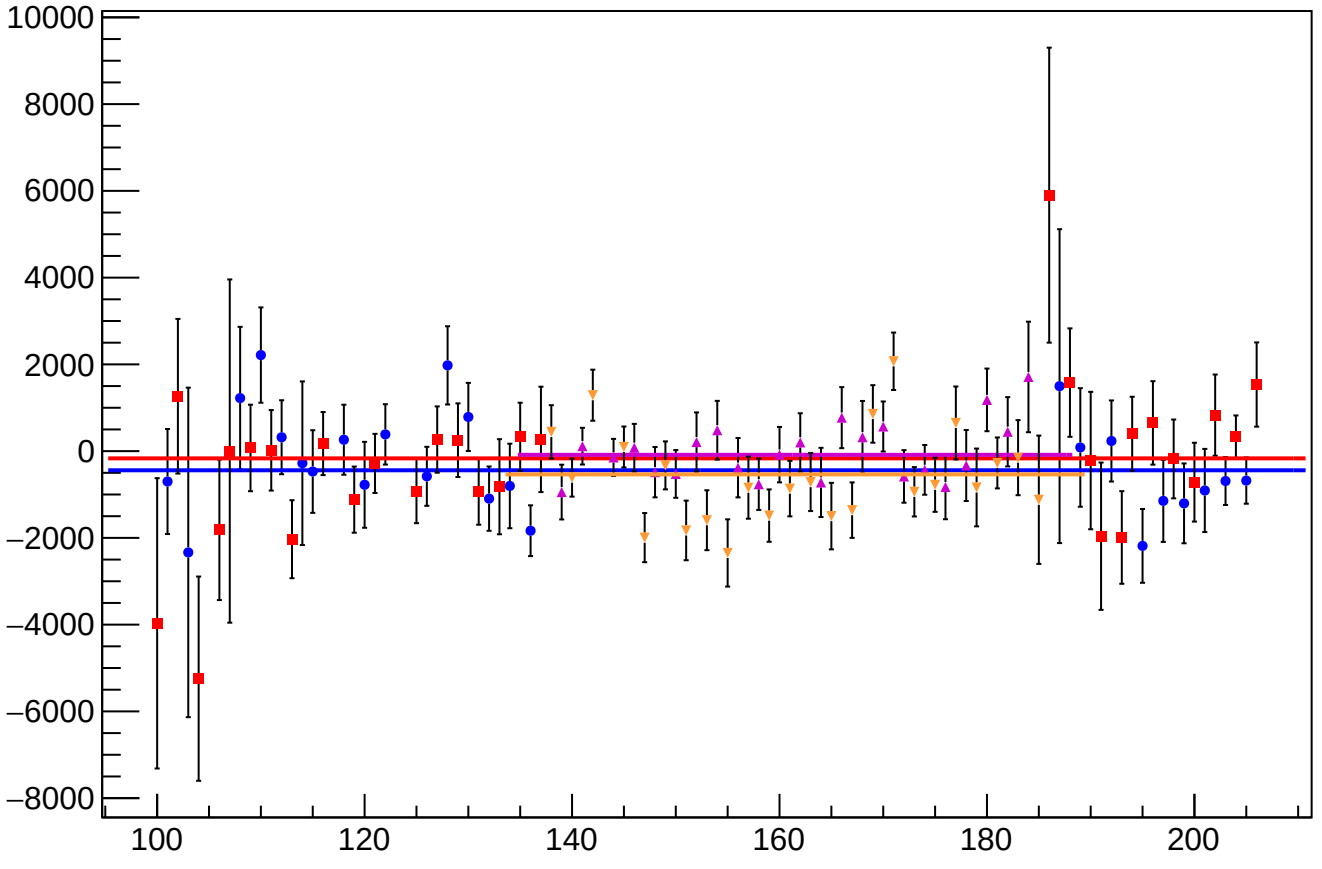
Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1139.599+/-0.141 χ^2/NDF: 386409.7/48

All: 1144.506+/-0.099 χ^2/NDF: 999853.4/101

- sign 1149.227+/-0.139 χ^2/NDF: 611079.4/52

asym_usl_atl1_dd_cor_correction_mean vs Slug



Right In: -441.382+/-172.891 χ^2/NDF: 33.6/24

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -166.703+/-172.703 χ^2/NDF: 33.3/29

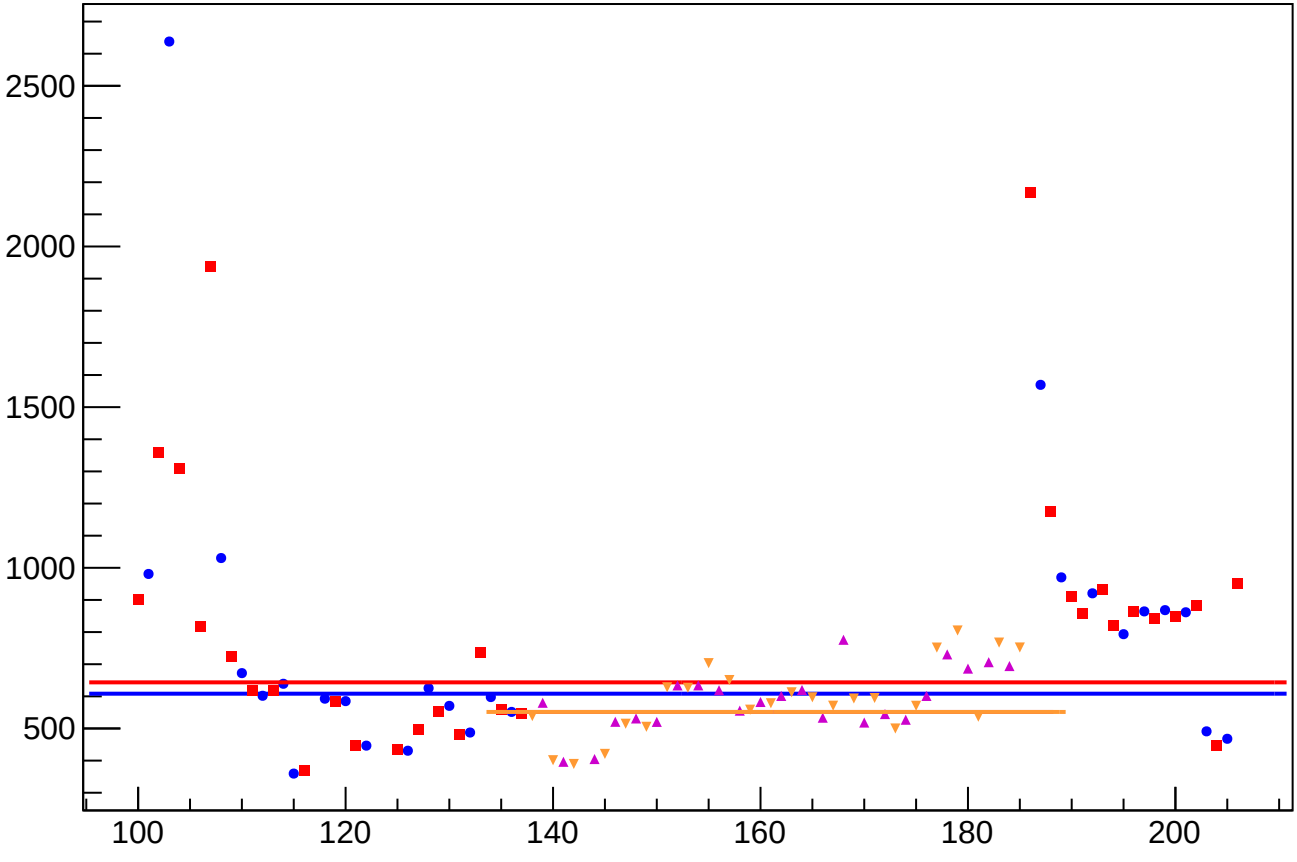
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -501.564+/-104.233 χ^2/NDF: 95.3/48

All: -308.498+/-73.747 χ^2/NDF: 152.7/101

- sign -114.984+/-104.354 χ^2/NDF: 50.6/52

asym_usl_atl1_dd_cor_correction_rms vs Slug



Right In: 608.246+/-0.122 χ^2/NDF: 2634148.0/24

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 643.515+/-0.122 χ^2/NDF: 3647338.4/29

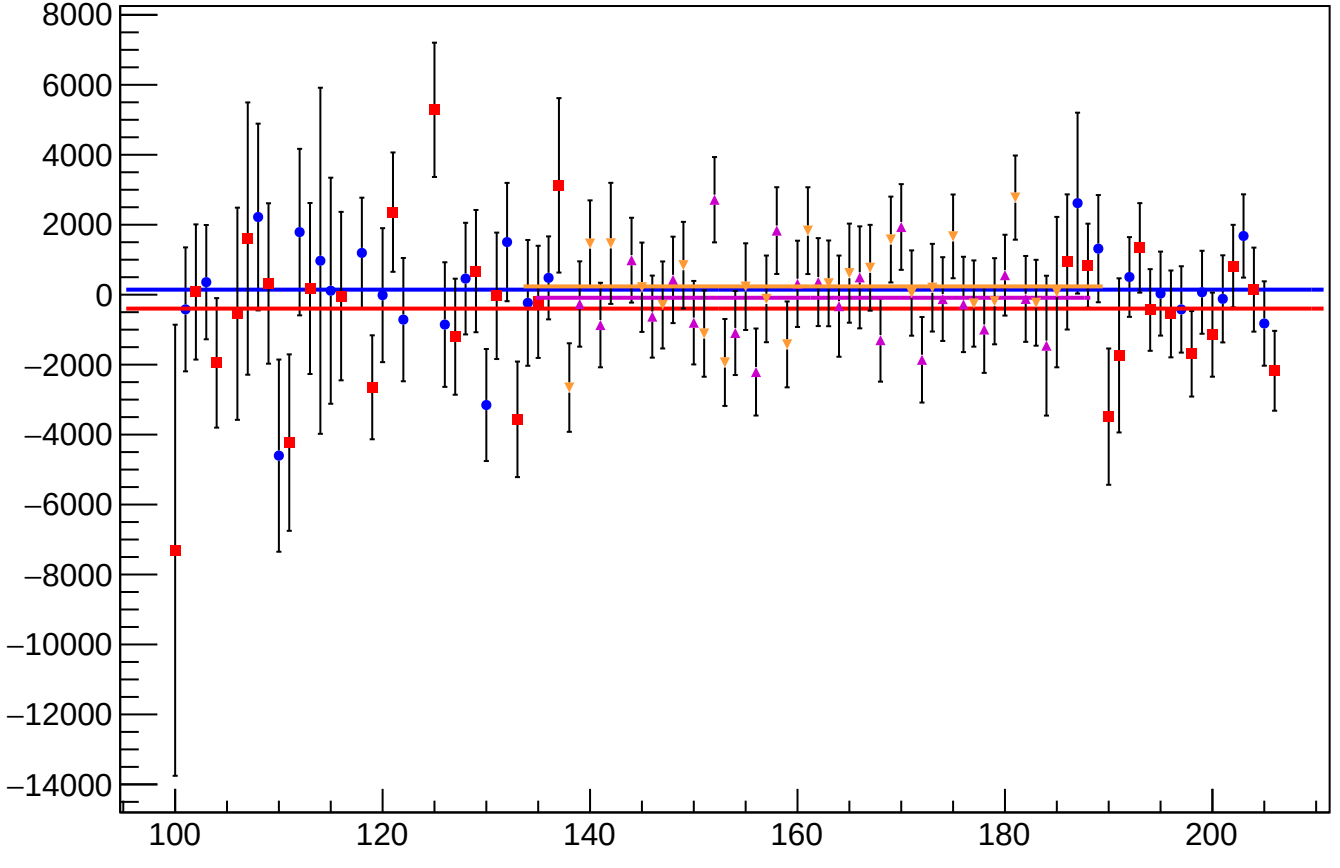
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 572.087+/-0.074 χ^2/NDF: 3998215.3/48

All: 578.531+/-0.052 χ^2/NDF: 9084338.7/101

- sign 584.991+/-0.074 χ^2/NDF: 5070815.0/52

eigen_cor_asym_usl_atl1_dd_mean vs Slug



Right In: 144.138+/-313.338 χ^2/NDF: 14.4/24

Left Out: 236.642+/-259.669 χ^2/NDF:22.7/23

Right Out: -397.802+/-296.277 χ^2/NDF: 36.1/29

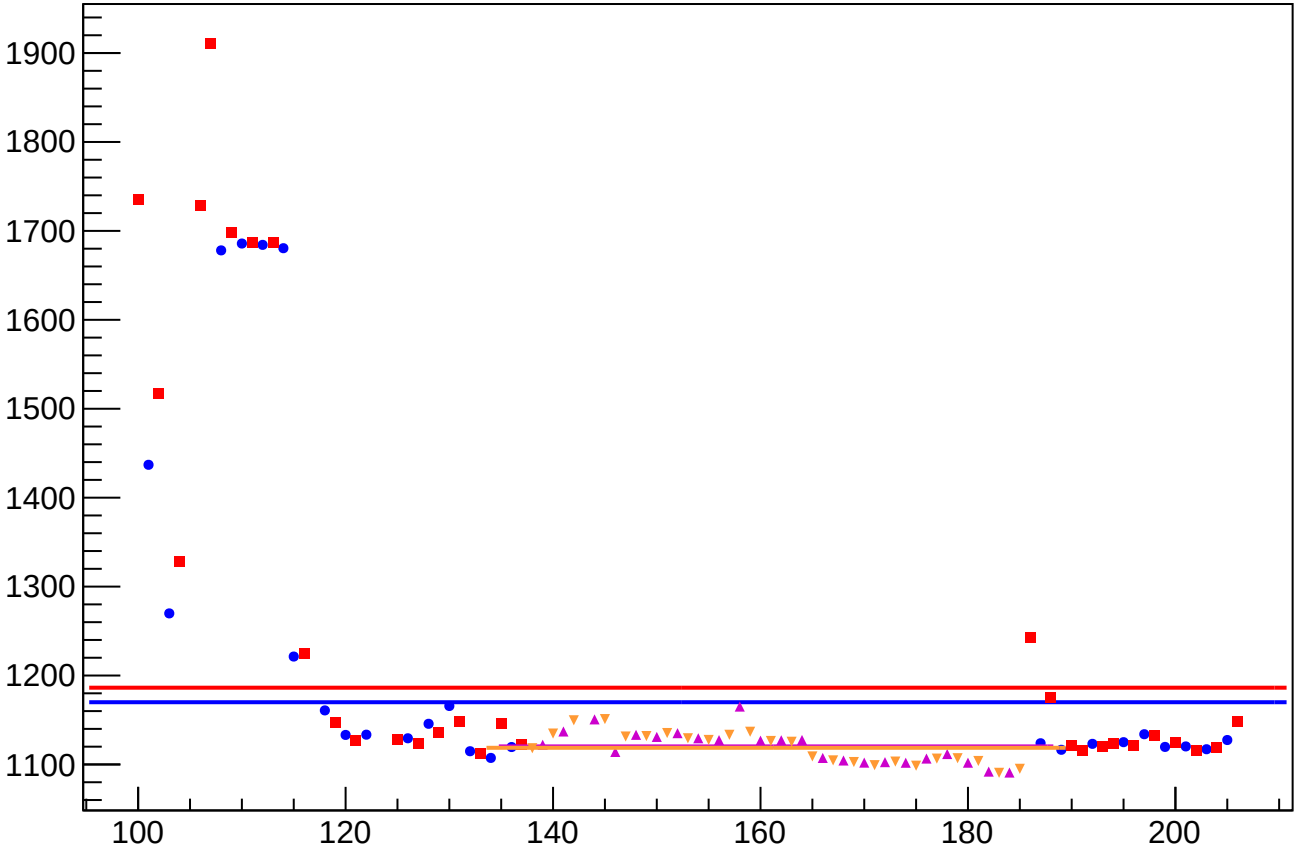
Left In: -88.370+/-261.602 χ^2/NDF:20.9/22

+ sign 198.979+/-199.936 χ^2/NDF: 37.2/48

All: -16.570+/-140.000 χ^2/NDF: 97.1/101

- sign -223.927+/-196.100 χ^2/NDF: 57.6/52

eigen_cor_asym_usl_atl1_dd_rms vs Slug



Right In: 1169.980+/-0.222 χ^2/NDF: 346488.4/24

Left Out: 1118.733+/-0.184 χ^2/NDF:8205.0/23

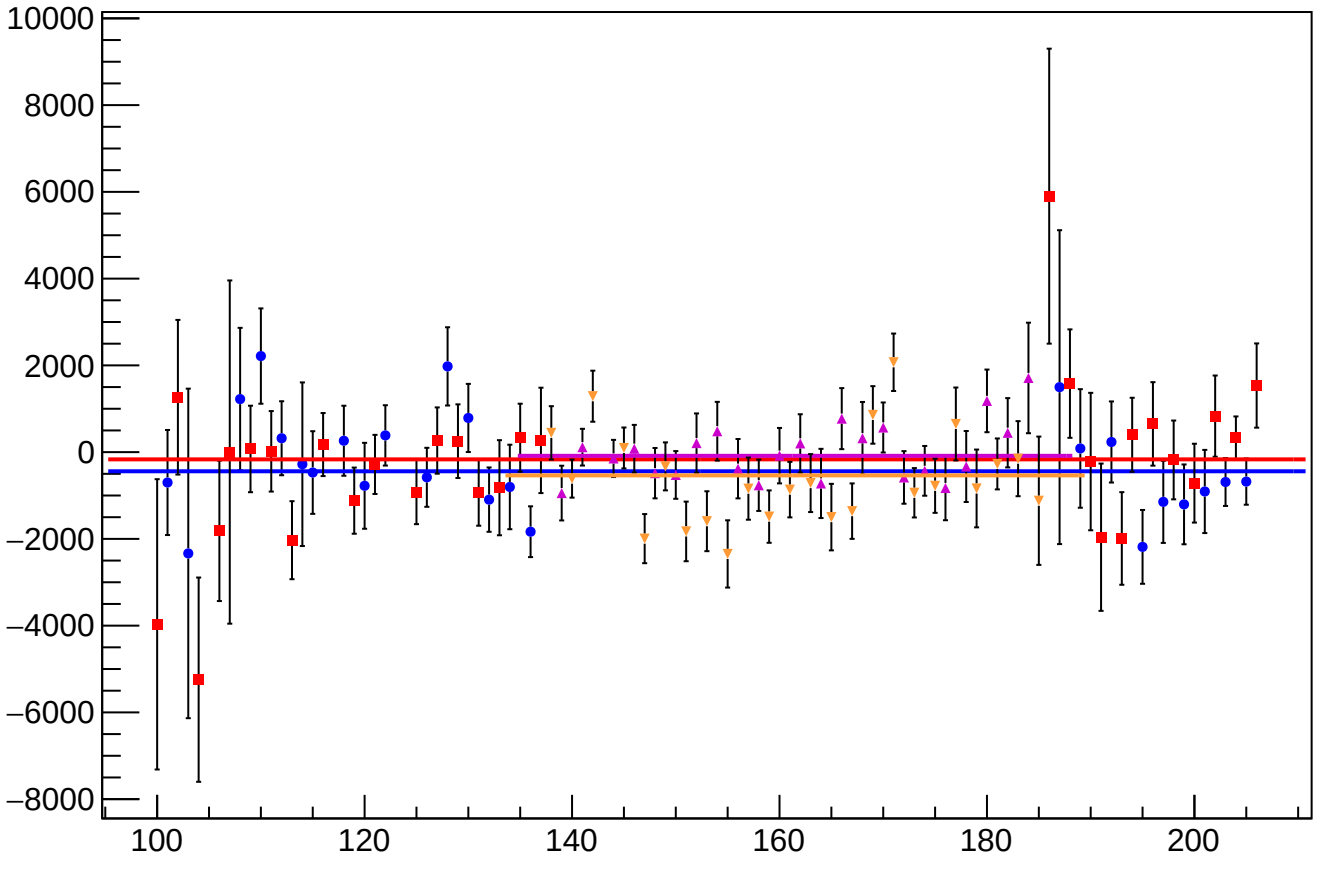
Right Out: 1186.321+/-0.209 χ^2/NDF: 545809.5/29

Left In: 1120.308+/-0.185 χ^2/NDF:9479.7/22

+ sign 1139.599+/-0.141 χ^2/NDF: 386409.7/48

All: 1144.506+/-0.099 χ^2/NDF: 999853.4/101

- sign 1149.227+/-0.139 χ^2/NDF: 611079.4/52



Right In: -441.382+/-172.891 χ^2/NDF: 33.6/24

Left Out: -535.930+/-130.646 χ^2/NDF:61.6/23

Right Out: -166.703+/-172.703 χ^2/NDF: 33.3/29

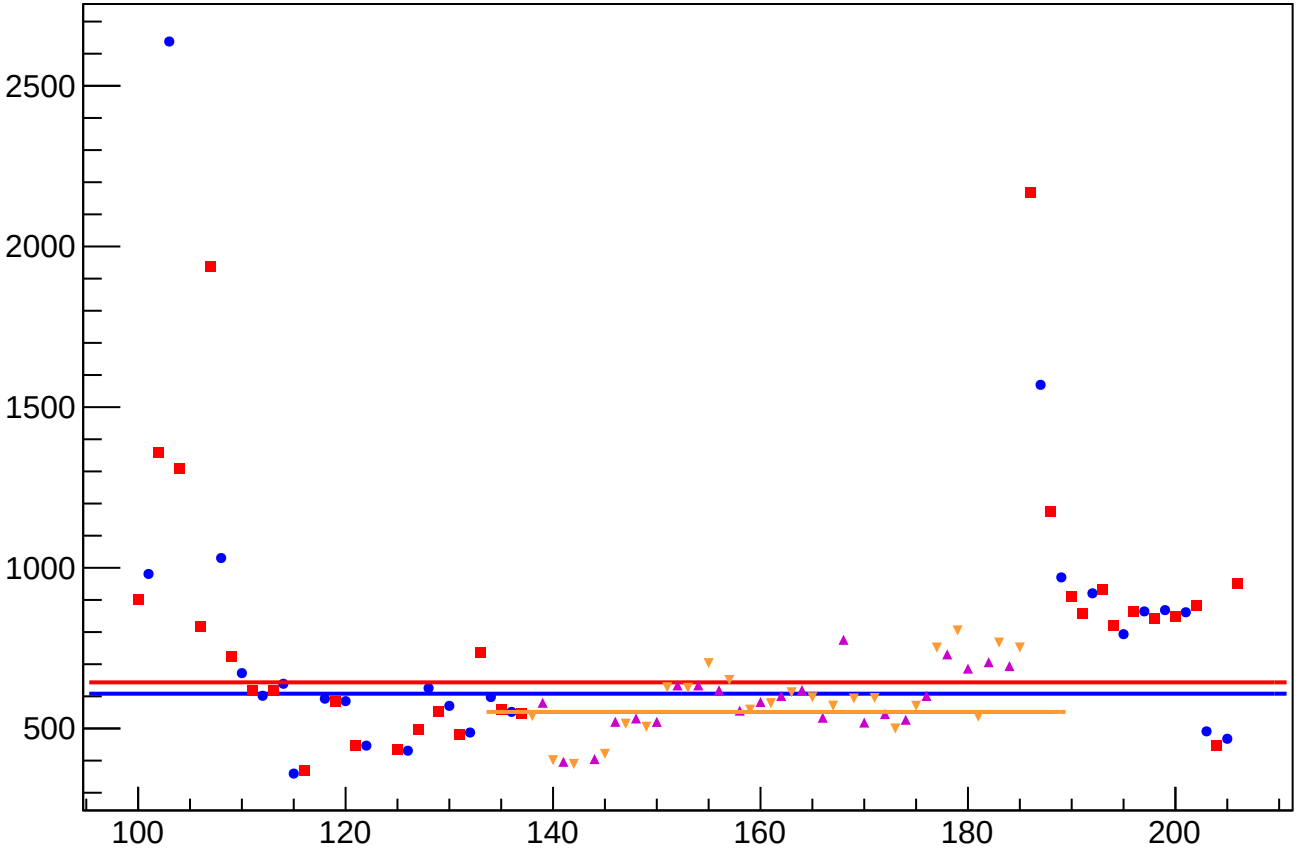
Left In: -85.243+/-130.966 χ^2/NDF:17.1/22

+ sign -501.564+/-104.233 χ^2/NDF: 95.3/48

All: -308.498+/-73.747 χ^2/NDF: 152.7/101

- sign -114.984+/-104.354 χ^2/NDF: 50.6/52

asym_usl_atl1_dd_eigen_cor_correction_rms vs Slug



Right In: 608.246+/-0.122 χ^2/NDF: 2634148.0/24

Left Out: 551.439+/-0.092 χ^2/NDF:1226632.2/23

Right Out: 643.515+/-0.122 χ^2/NDF: 3647338.4/29

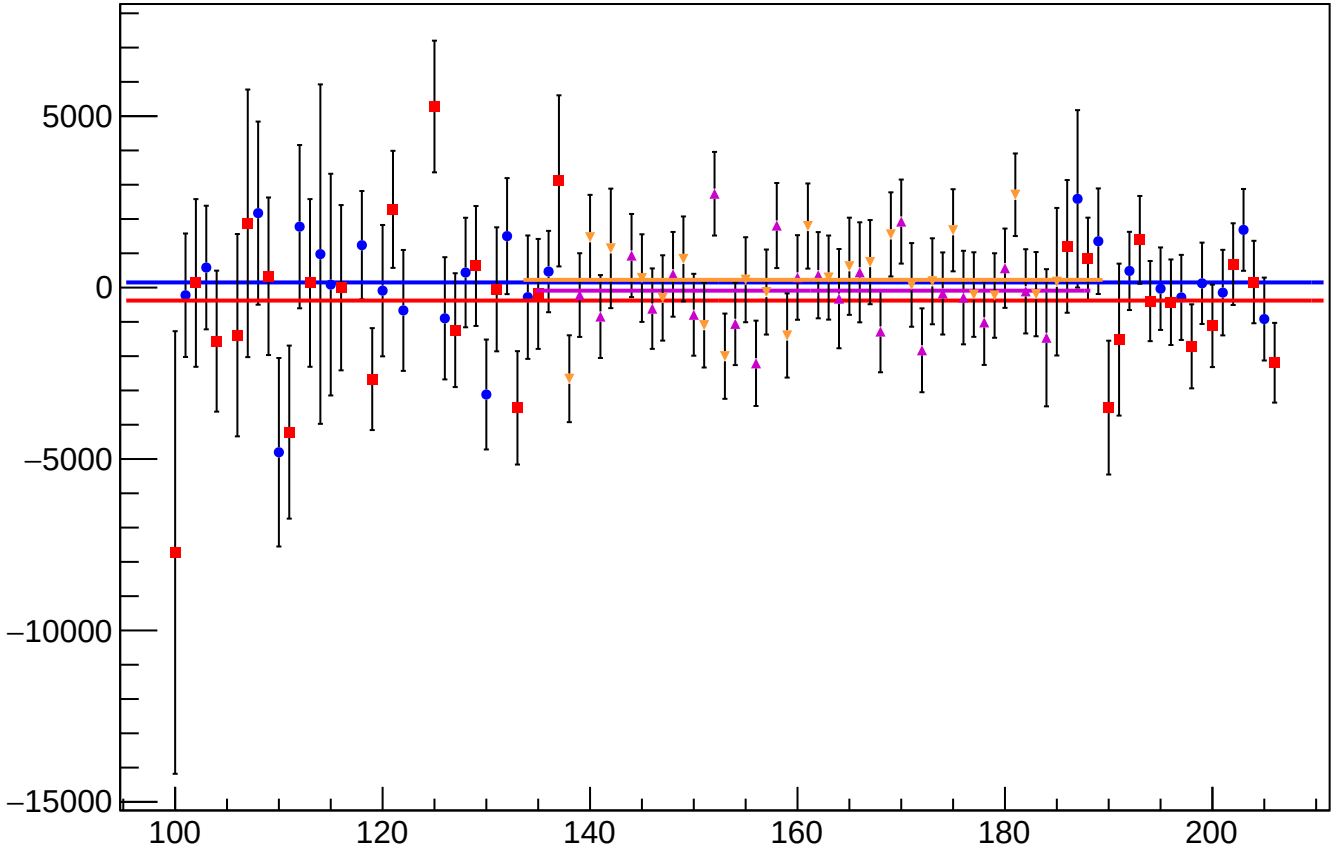
Left In: 551.335+/-0.093 χ^2/NDF:1061731.9/22

+ sign 572.087+/-0.074 χ^2/NDF: 3998215.3/48

All: 578.531+/-0.052 χ^2/NDF: 9084338.7/101

- sign 584.991+/-0.074 χ^2/NDF: 5070815.0/52

dit_asym_usl_atl1_dd_mean vs Slug



Right In: 150.421+/-314.983 χ^2/NDF: 14.6/24

Left Out: 225.663+/-259.829 χ^2/NDF:22.2/23

Right Out: -378.429+/-299.124 χ^2/NDF: 35.7/29

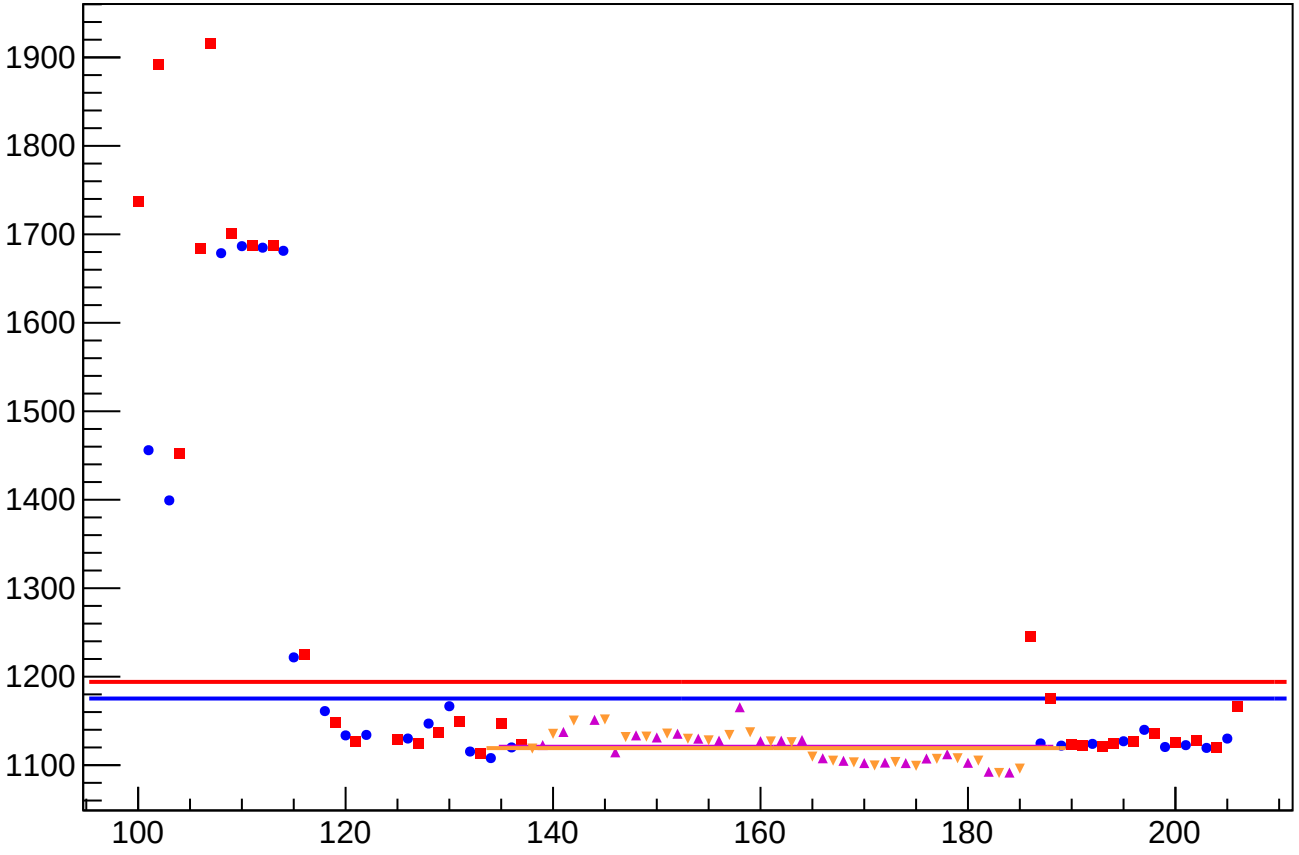
Left In: -89.078+/-261.717 χ^2/NDF:20.6/22

+ sign 195.196+/-200.435 χ^2/NDF: 36.9/48

All: -13.247+/-140.487 χ^2/NDF: 95.8/101

- sign -214.540+/-196.968 χ^2/NDF: 56.8/52

dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1175.308+/-0.223 χ^2/NDF: 373517.5/24

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1194.111+/-0.212 χ^2/NDF: 662381.1/29

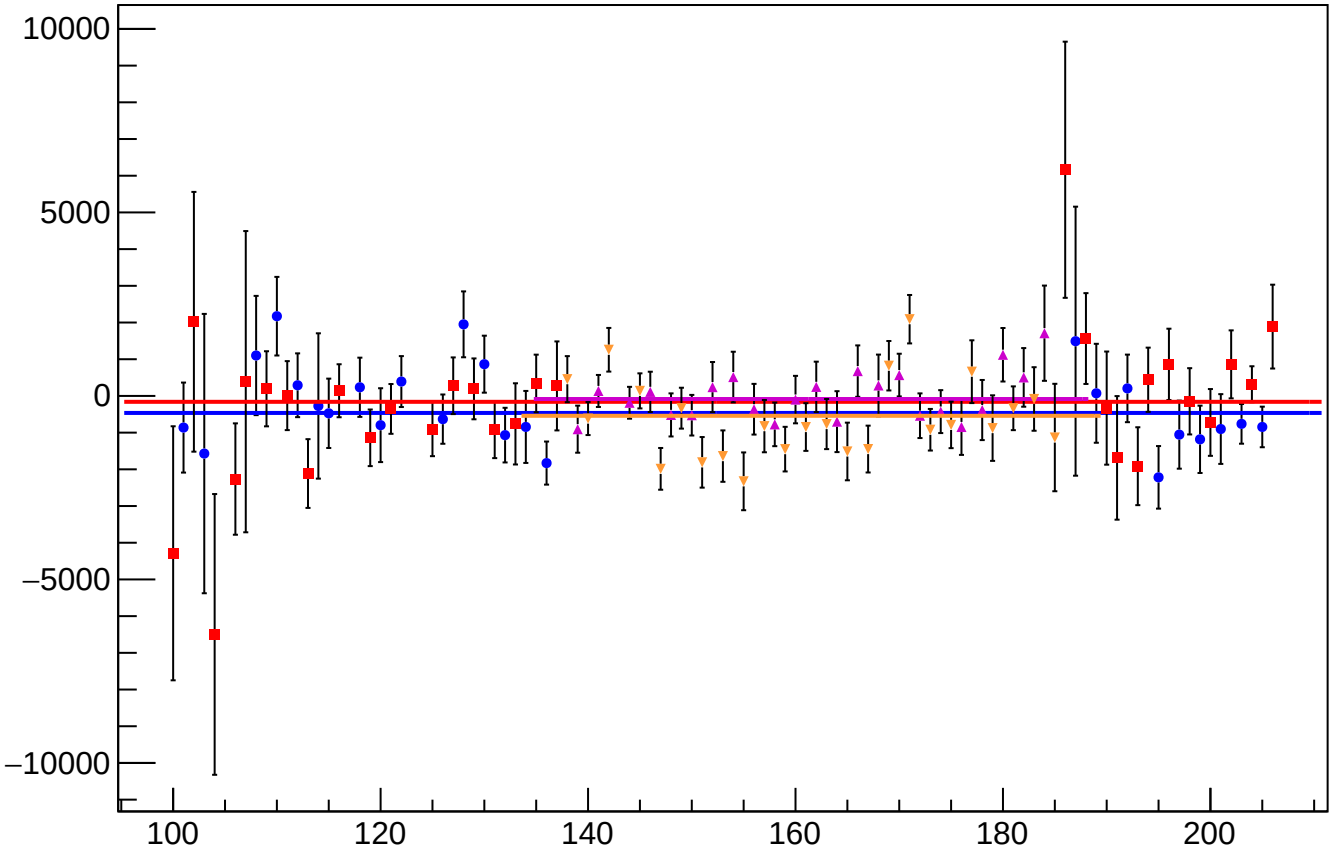
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1141.954+/-0.142 χ^2/NDF: 419347.0/48

All: 1147.364+/-0.099 χ^2/NDF: 1162062.5/10

- sign 1152.588+/-0.139 χ^2/NDF: 739851.8/52

asym_usl_atl1_dd_dit_correction_mean vs Slug



Right In: -463.512+/-172.814 χ^2/NDF: 34.0/24

Left Out: -541.592+/-132.012 χ^2/NDF:60.9/23

Right Out: -160.571+/-174.698 χ^2/NDF: 32.3/29

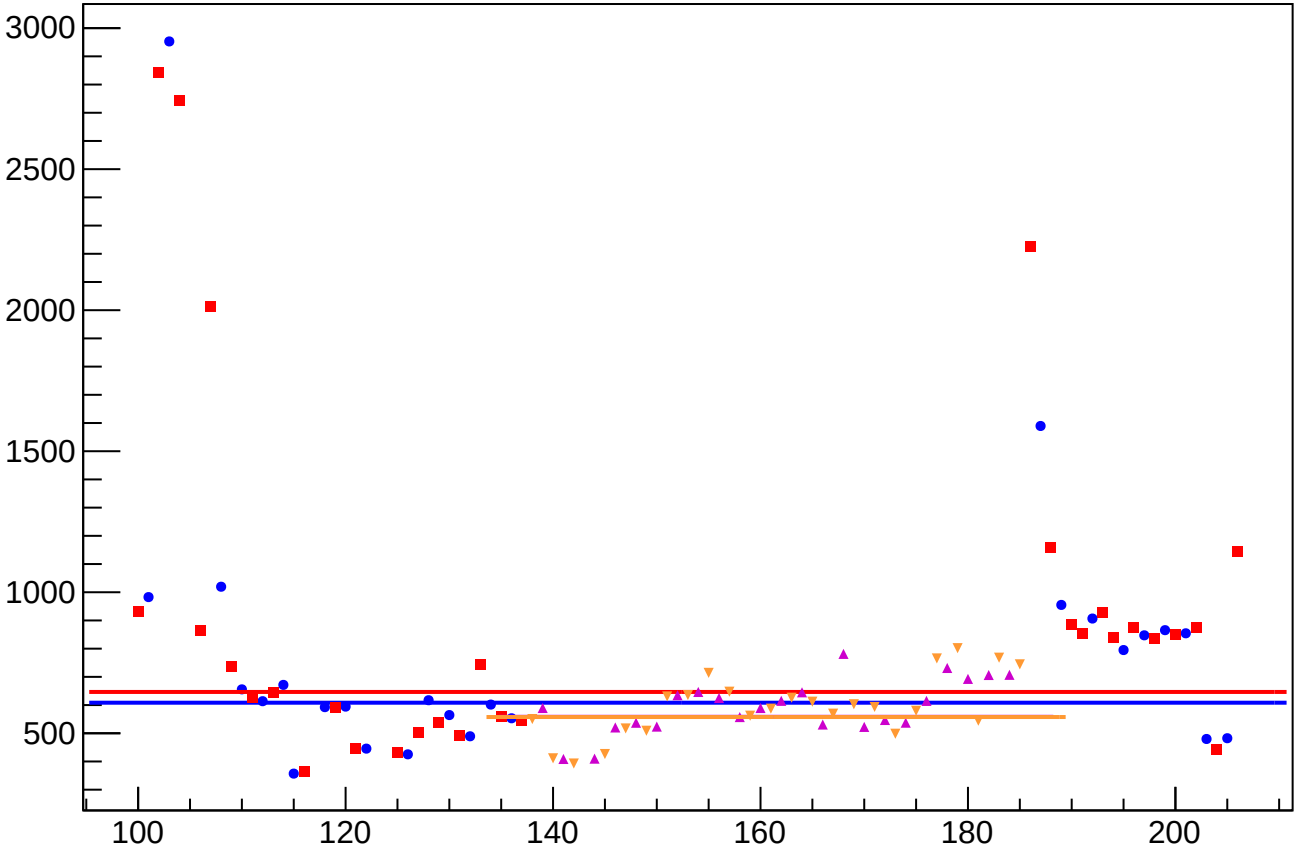
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -512.820+/-104.905 χ^2/NDF: 95.0/48

All: -313.748+/-74.422 χ^2/NDF: 151.1/101

- sign -112.052+/-105.595 χ^2/NDF: 48.8/52

asym_usl_atl1_dd_dit_correction_rms vs Slug



Right In: 608.368+/-0.122 χ^2/NDF: 2779250.1/24

Left Out: 557.592+/-0.093 χ^2/NDF:1193270.2/23

Right Out: 646.518+/-0.124 χ^2/NDF: 4772338.5/29

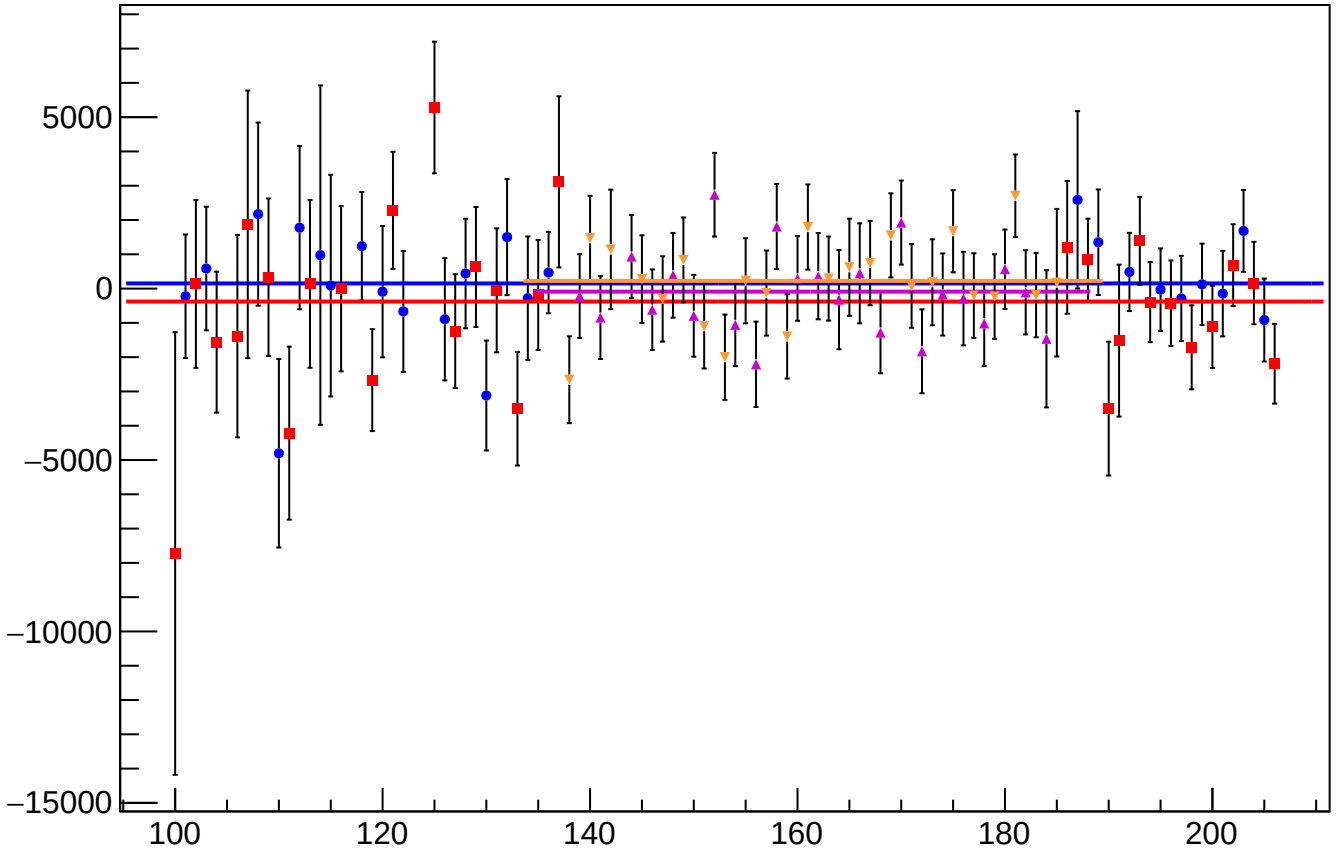
Left In: 558.393+/-0.094 χ^2/NDF:1027814.4/22

+ sign 576.303+/-0.074 χ^2/NDF: 4081554.1/48

All: 583.399+/-0.053 χ^2/NDF: 10223115.9/10

- sign 590.589+/-0.075 χ^2/NDF: 6123137.7/52

eigen_dit_asym_usl_atl1_dd_mean vs Slug



Right In: 150.421+/-314.983 χ^2/NDF: 14.6/24

Left Out: 225.661+/-259.829 χ^2/NDF:22.2/23

Right Out: -378.428+/-299.124 χ^2/NDF: 35.7/29

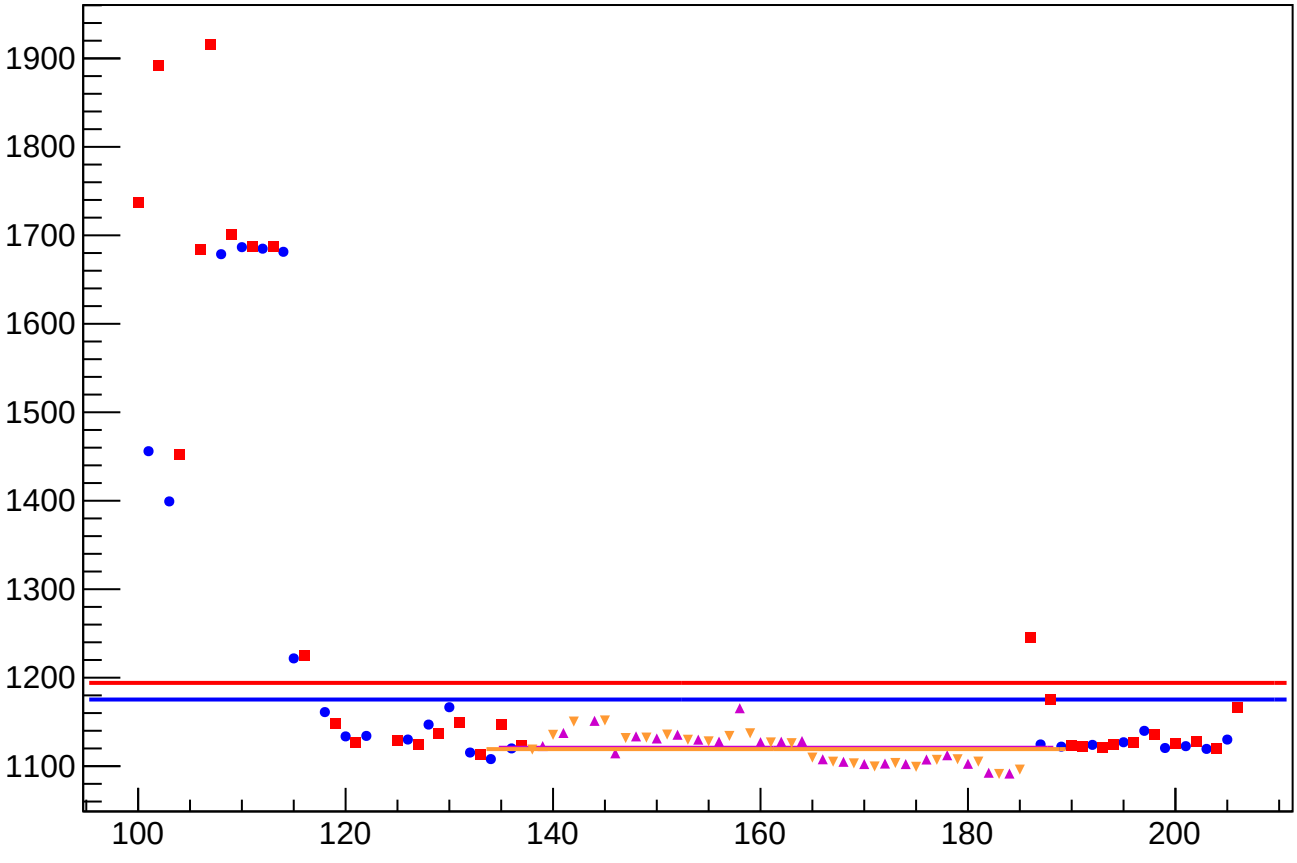
Left In: -89.079+/-261.717 χ^2/NDF:20.6/22

+ sign 195.195+/-200.435 χ^2/NDF: 36.9/48

All: -13.247+/-140.487 χ^2/NDF: 95.8/101

- sign -214.540+/-196.968 χ^2/NDF: 56.8/52

eigen_dit_asym_usl_atl1_dd_rms vs Slug



Right In: 1175.308+/-0.223 χ^2/NDF: 373517.1/24

Left Out: 1119.258+/-0.184 χ^2/NDF:8143.3/23

Right Out: 1194.111+/-0.212 χ^2/NDF: 662380.4/29

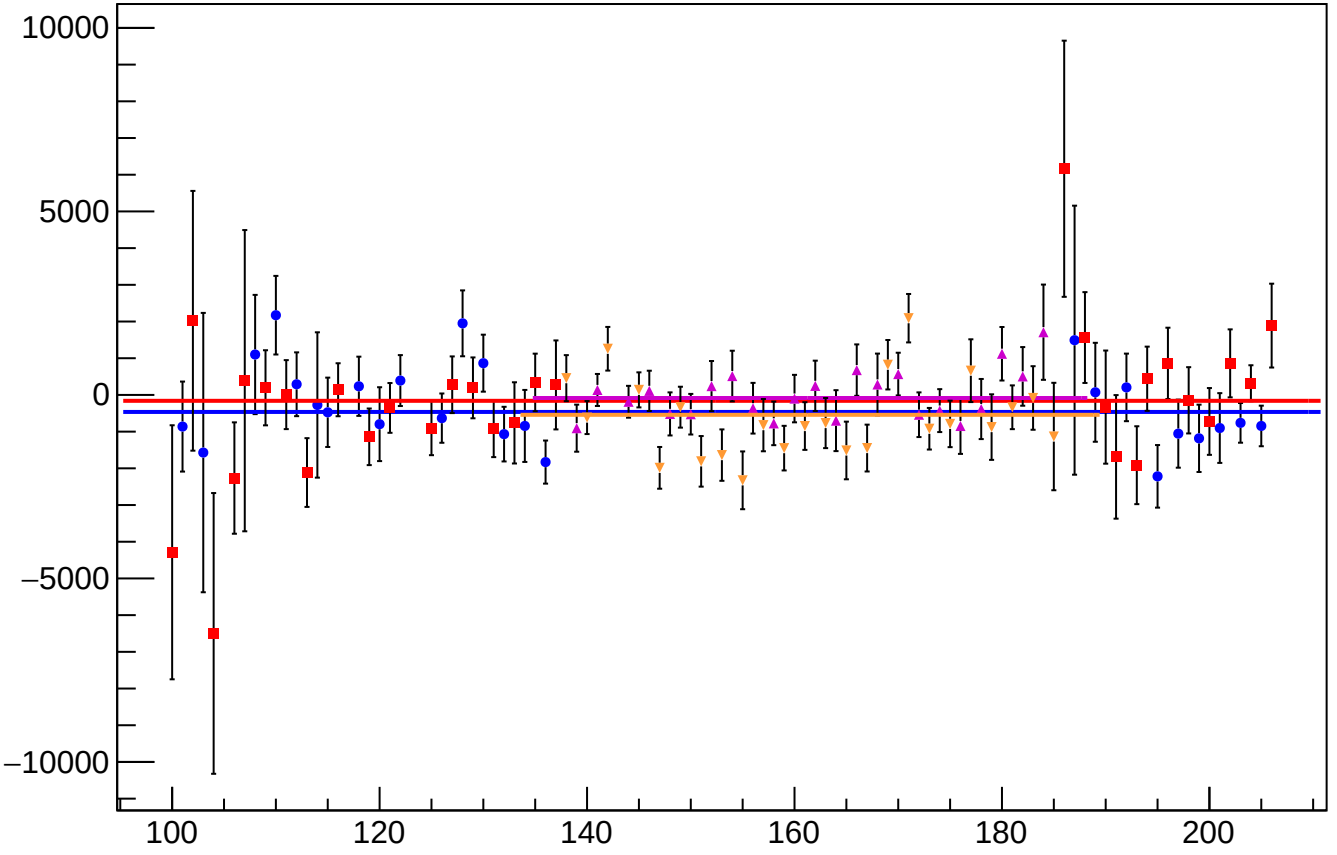
Left In: 1120.800+/-0.185 χ^2/NDF:9426.5/22

+ sign 1141.954+/-0.142 χ^2/NDF: 419346.5/48

All: 1147.364+/-0.099 χ^2/NDF: 1162061.2/10

- sign 1152.588+/-0.139 χ^2/NDF: 739851.1/52

asym_usl_atl1_dd_eigen_dit_correction_mean vs Slug



Right In: -463.512+/-172.813 χ^2/NDF: 34.0/24

Left Out: -541.591+/-132.012 χ^2/NDF:60.9/23

Right Out: -160.571+/-174.698 χ^2/NDF: 32.3/29

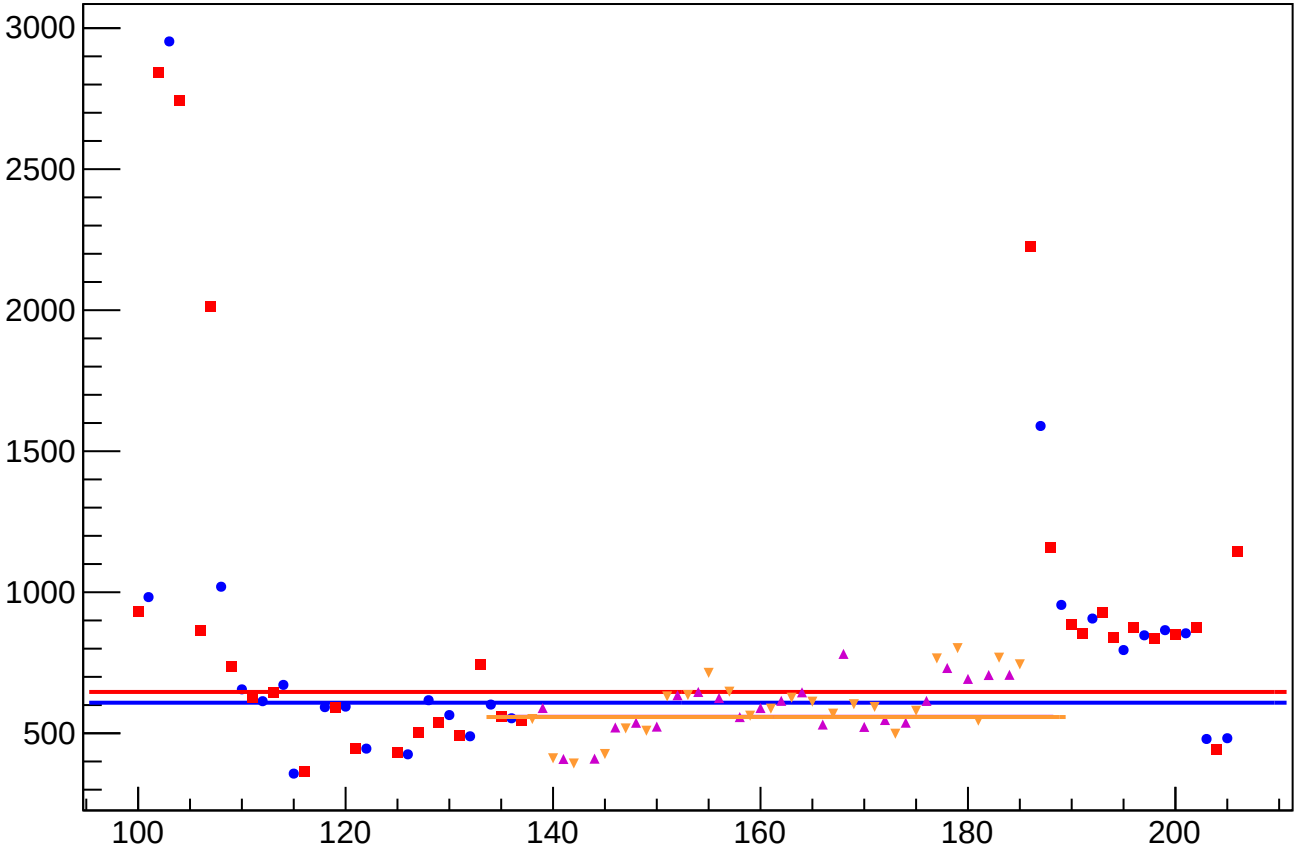
Left In: -84.122+/-132.548 χ^2/NDF:16.4/22

+ sign -512.819+/-104.905 χ^2/NDF: 95.0/48

All: -313.748+/-74.422 χ^2/NDF: 151.1/101

- sign -112.052+/-105.595 χ^2/NDF: 48.8/52

asym_usl_atl1_dd_eigen_dit_correction_rms vs Slug



Right In: 608.367+/-0.122 χ^2/NDF: 2779248.0/24

Left Out: 557.591+/-0.093 χ^2/NDF:1193291.2/23

Right Out: 646.517+/-0.124 χ^2/NDF: 4772344.5/29

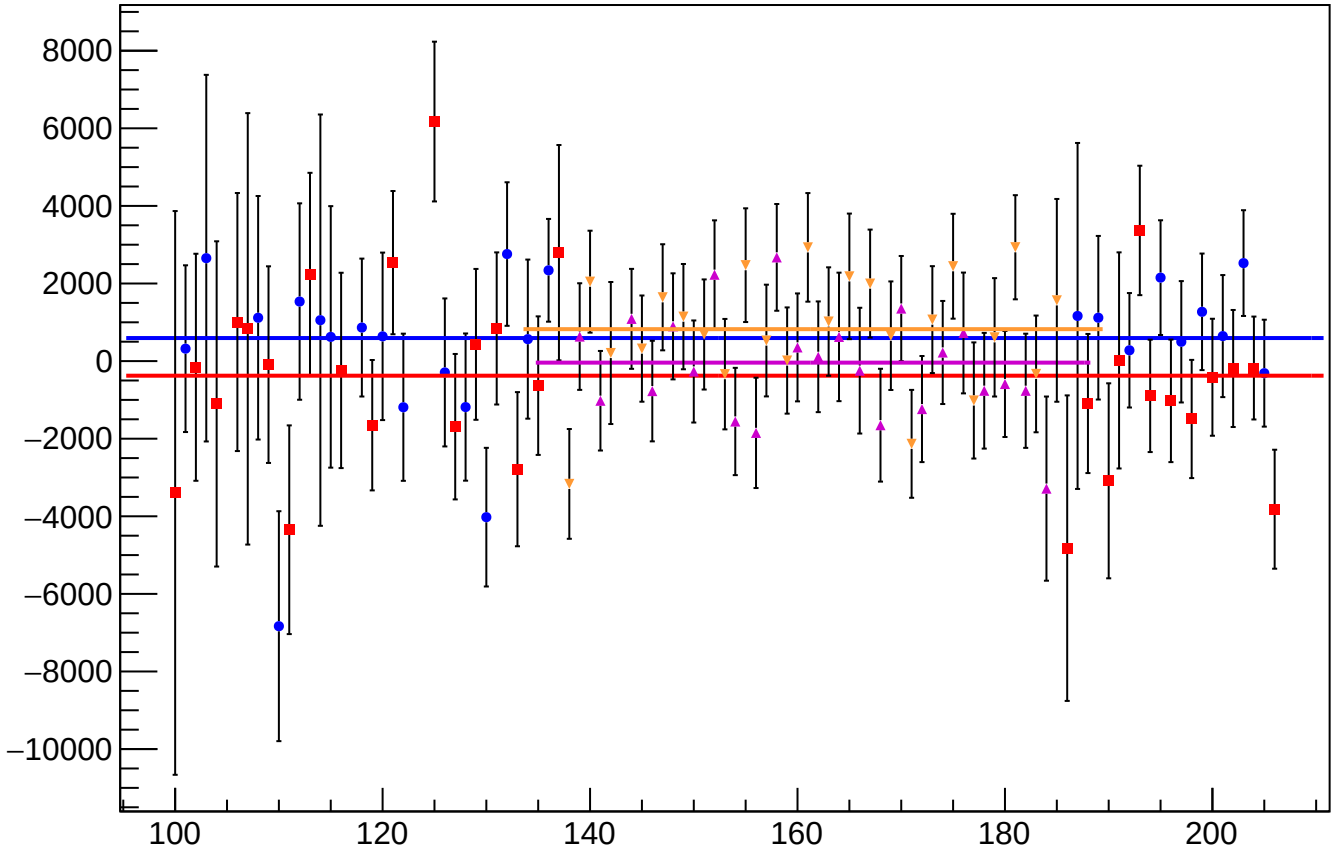
Left In: 558.392+/-0.094 χ^2/NDF:1027828.9/22

+ sign 576.302+/-0.074 χ^2/NDF: 4081574.7/48

All: 583.399+/-0.053 χ^2/NDF: 10223160.1/10

- sign 590.589+/-0.075 χ^2/NDF: 6123160.9/52

asym_usl_atl1_dd_mean vs Slug



Right In: 594.291+/-376.742 χ^2/NDF: 22.3/24

Left Out: 823.319+/-294.835 χ^2/NDF:26.2/23

Right Out: -376.144+/-364.941 χ^2/NDF: 34.2/29

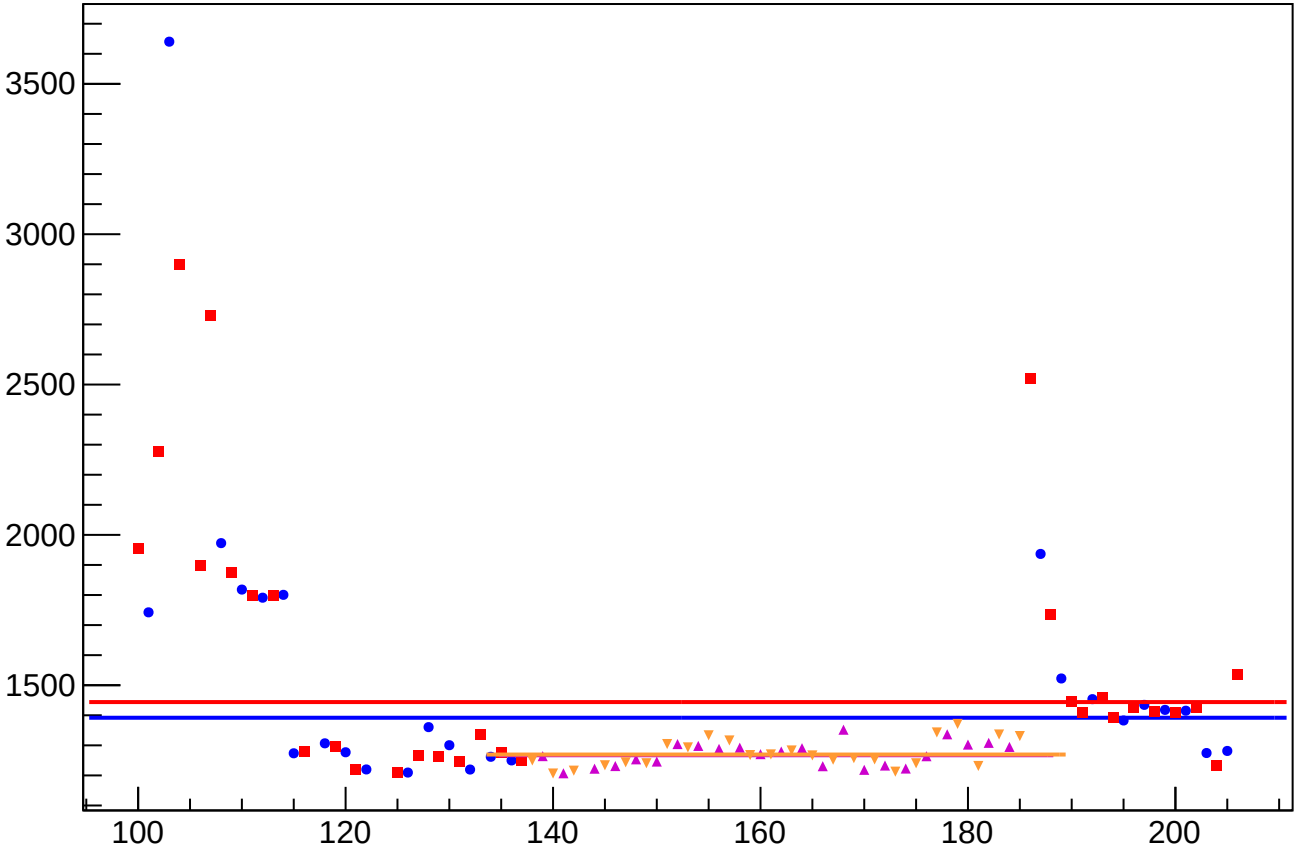
Left In: -39.696+/-296.006 χ^2/NDF:17.9/22

+ sign 736.329+/-232.186 χ^2/NDF: 48.7/48

All: 277.044+/-163.363 χ^2/NDF: 109.1/101

- sign -173.207+/-229.891 χ^2/NDF: 52.6/52

asym_usl_atl1_dd_rms vs Slug



Right In: 1391.822+/-0.266 χ^2/NDF: 850581.1/24

Left Out: 1269.441+/-0.208 χ^2/NDF:43040.3/23

Right Out: 1443.945+/-0.258 χ^2/NDF: 1121538.1/29

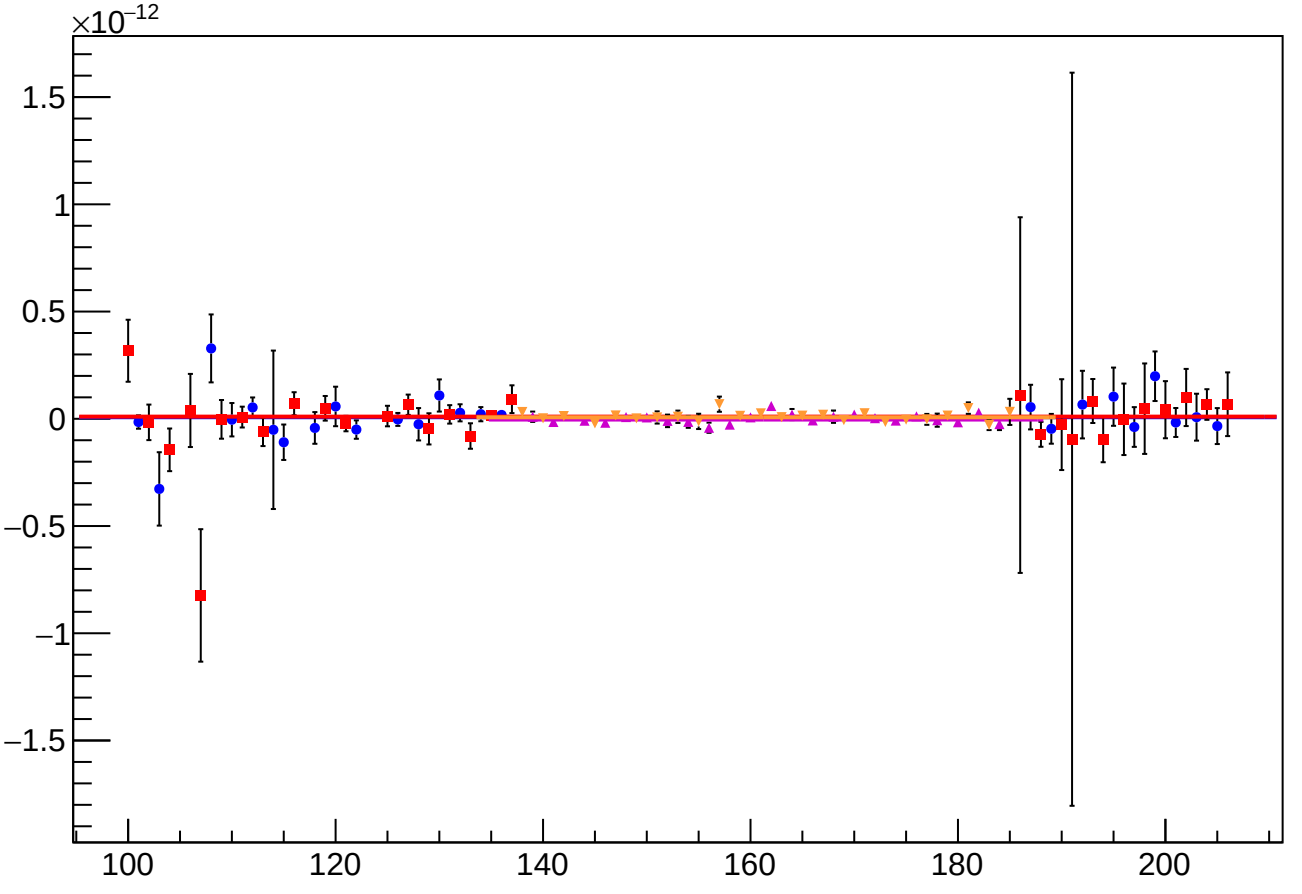
Left In: 1267.066+/-0.209 χ^2/NDF:34547.0/22

+ sign 1315.924+/-0.164 χ^2/NDF: 1024504.8/48

All: 1326.696+/-0.116 χ^2/NDF: 2472501.4/10

- sign 1337.256+/-0.163 χ^2/NDF: 1439472.1/52

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:19.8/23

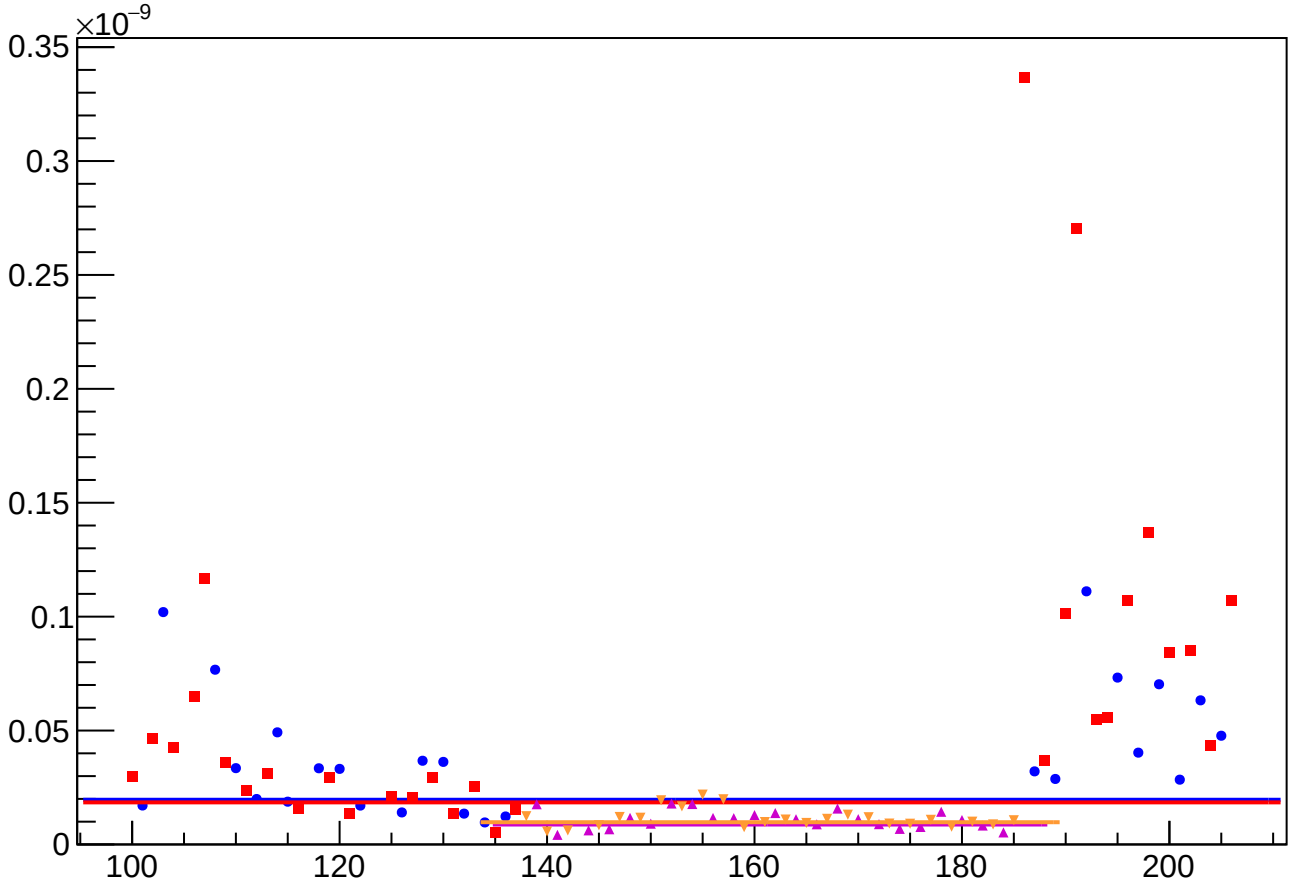
Right Out: 0.000+/-0.000 χ^2/NDF: 28.9/29

Left In: -0.000+/-0.000 χ^2/NDF:23.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.4/48

All: 0.000+/-0.000 χ^2/NDF: 98.1/101

- sign -0.000+/-0.000 χ^2/NDF: 53.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 3837610.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1373738.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7040184.1/29

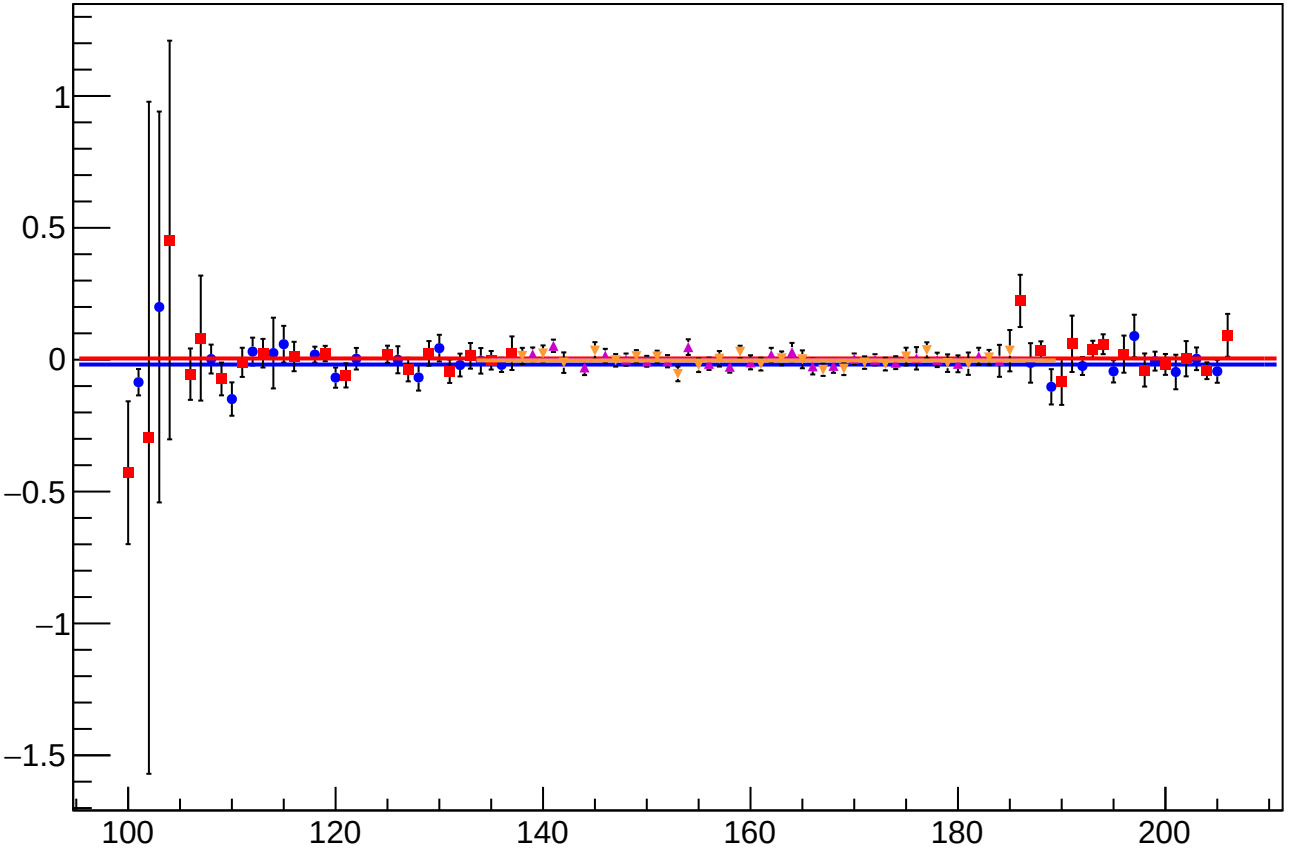
Left In: 0.000+/-0.000 χ^2/NDF:1928867.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6817922.2/48

All: 0.000+/-0.000 χ^2/NDF: 17521493.4/101

- sign 0.000+/-0.000 χ^2/NDF: 10603969.4/52

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.005+/-0.009 χ^2/NDF: 24.4/29

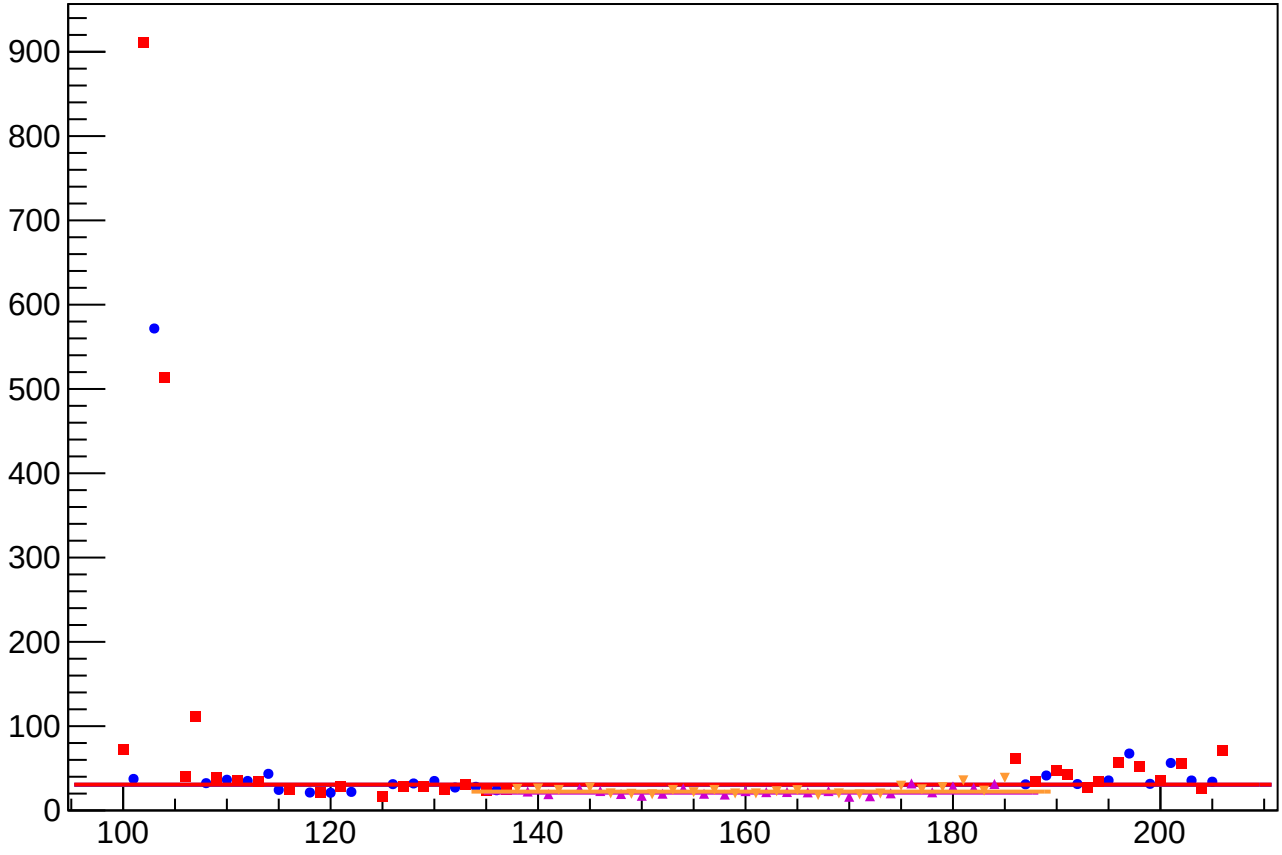
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 37.8/48

All: -0.002+/-0.003 χ^2/NDF: 78.9/101

- sign 0.002+/-0.005 χ^2/NDF: 39.4/52

asym_usl_atl1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 30.446+/-0.007 χ^2/NDF: 2579614.4/24

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

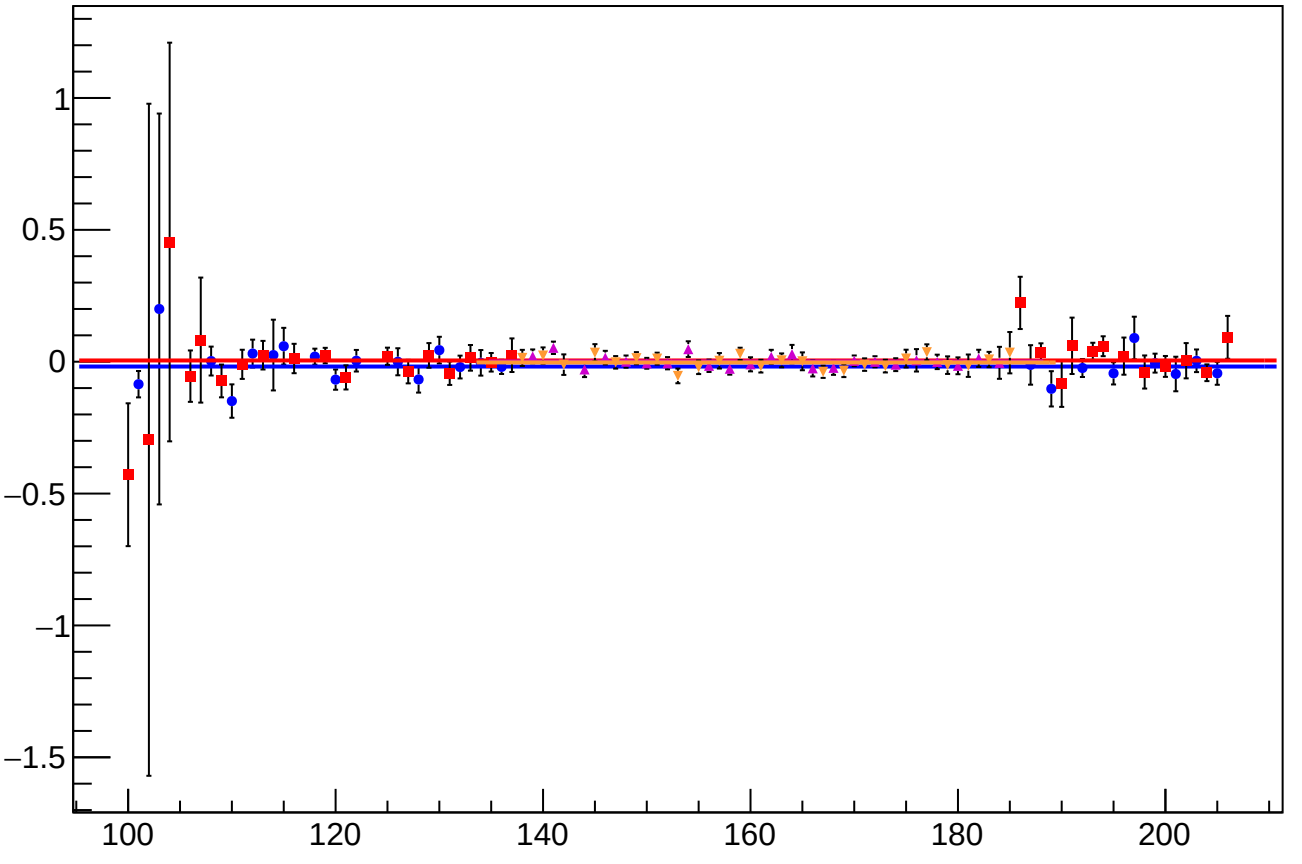
Right Out: 30.681+/-0.006 χ^2/NDF: 4592488.5/29

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

\+ sign 24.552+/-0.003 χ^2/NDF: 4496086.5/48

All: 24.082+/-0.002 χ^2/NDF: 11576767.3/101

\- sign 23.644+/-0.003 χ^2/NDF: 7044434.3/52



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.005+/-0.009 χ^2/NDF: 24.4/29

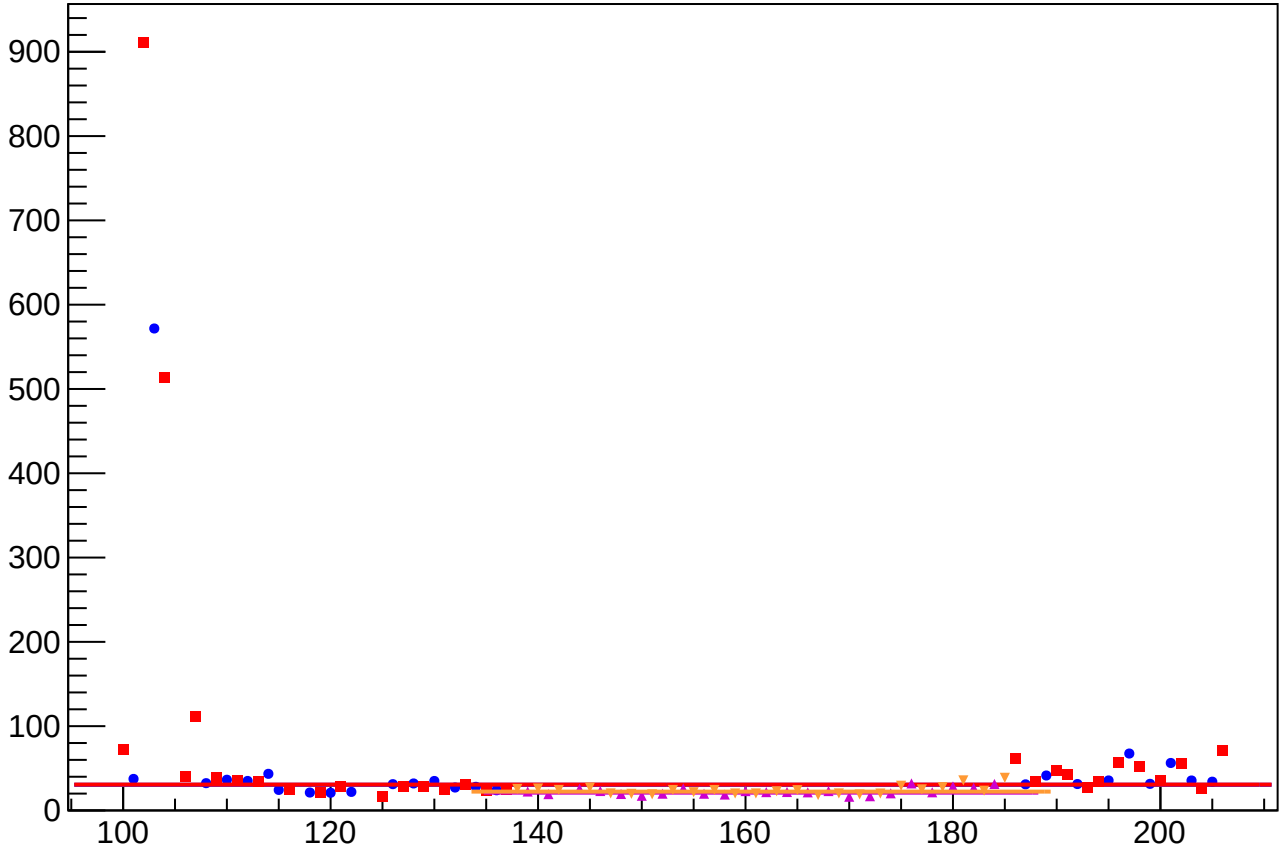
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.007+/-0.005 χ^2/NDF: 37.8/48

All: -0.002+/-0.003 χ^2/NDF: 78.9/101

\- sign 0.002+/-0.005 χ^2/NDF: 39.4/52

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.446+/-0.007 χ^2/NDF: 2579614.4/24

Left Out: 22.355+/-0.004 χ^2/NDF:816073.4/23

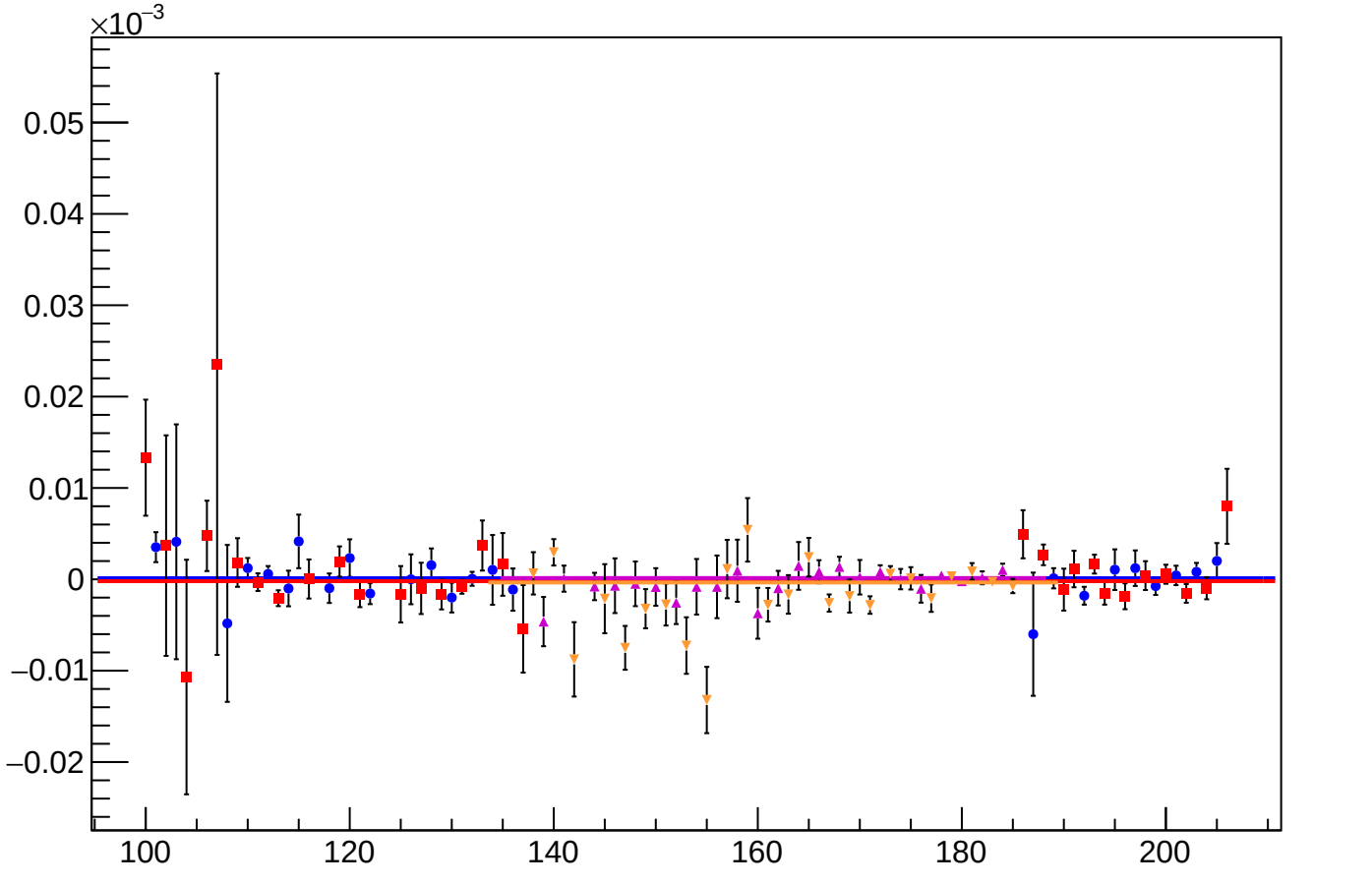
Right Out: 30.681+/-0.006 χ^2/NDF: 4592488.5/29

Left In: 21.099+/-0.004 χ^2/NDF:819255.8/22

\+ sign 24.552+/-0.003 χ^2/NDF: 4496086.5/48

All: 24.082+/-0.002 χ^2/NDF: 11576767.3/101

\- sign 23.644+/-0.003 χ^2/NDF: 7044434.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:68.1/23

Right Out: -0.000+/-0.000 χ^2/NDF: 44.0/29

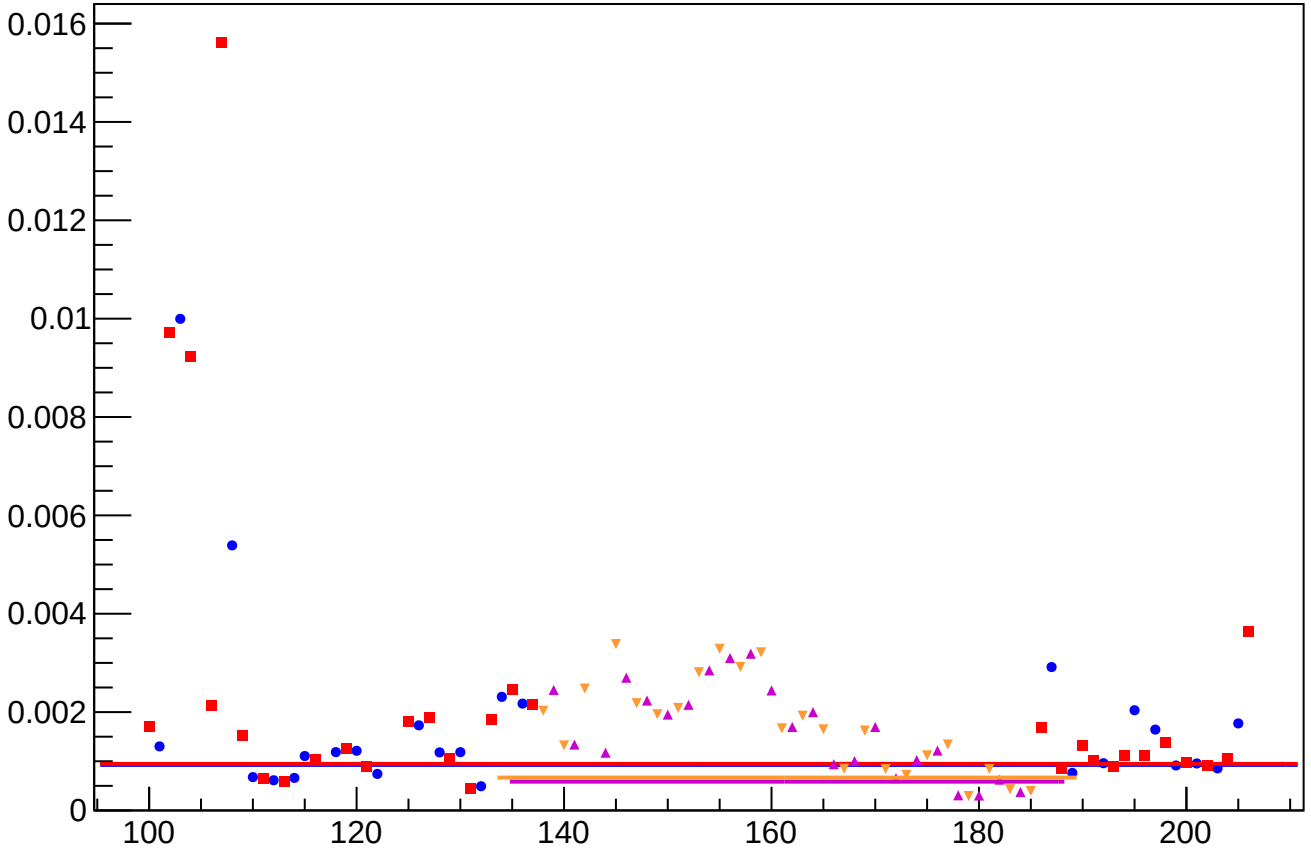
Left In: 0.000+/-0.000 χ^2/NDF:14.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 91.9/48

All: -0.000+/-0.000 χ^2/NDF: 152.1/101

- sign 0.000+/-0.000 χ^2/NDF: 59.3/52

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 5311394.2/24

Left Out: 0.001+/-0.000 χ^2/NDF:15375915.0/23

Right Out: 0.001+/-0.000 χ^2/NDF: 6505801.9/29

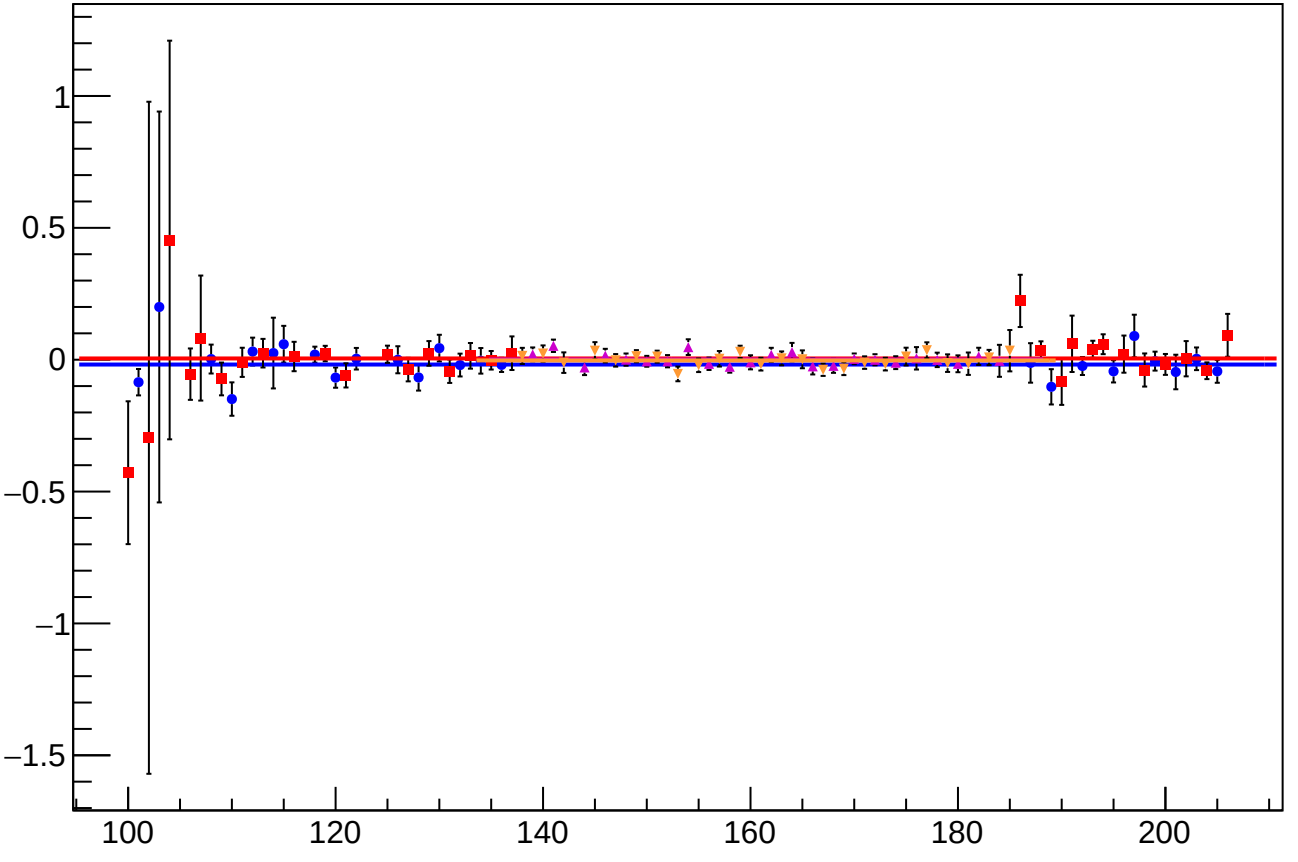
Left In: 0.001+/-0.000 χ^2/NDF:15658683.6/22

+ sign 0.001+/-0.000 χ^2/NDF: 21788660.9/48

All: 0.001+/-0.000 χ^2/NDF: 46393522.8/101

- sign 0.001+/-0.000 χ^2/NDF: 24462664.2/52

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

Right Out: 0.005+/-0.009 χ^2/NDF: 24.4/29

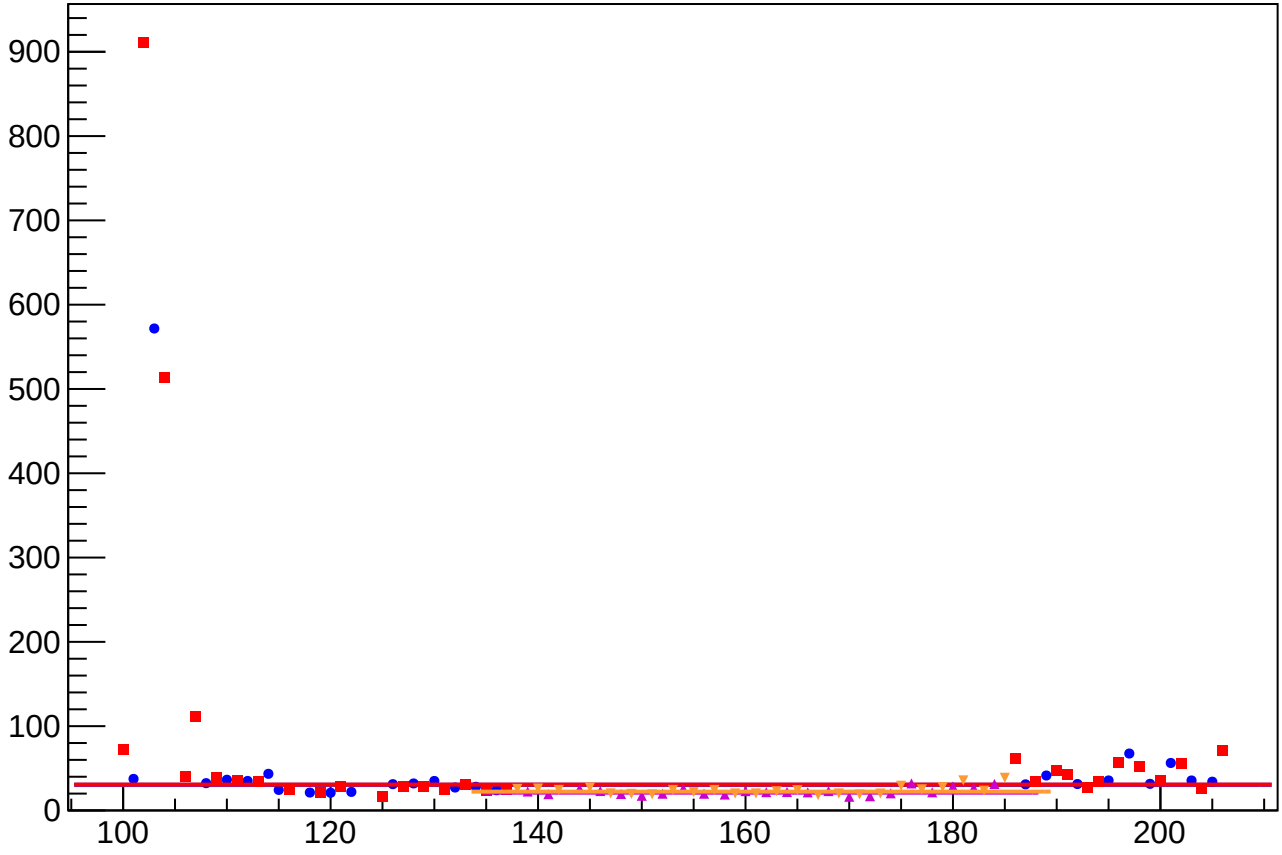
Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

+ sign -0.007+/-0.005 χ^2/NDF: 37.8/48

All: -0.002+/-0.003 χ^2/NDF: 78.9/101

- sign 0.002+/-0.005 χ^2/NDF: 39.4/52

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.446+/-0.007 χ^2/NDF: 2579635.0/24

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

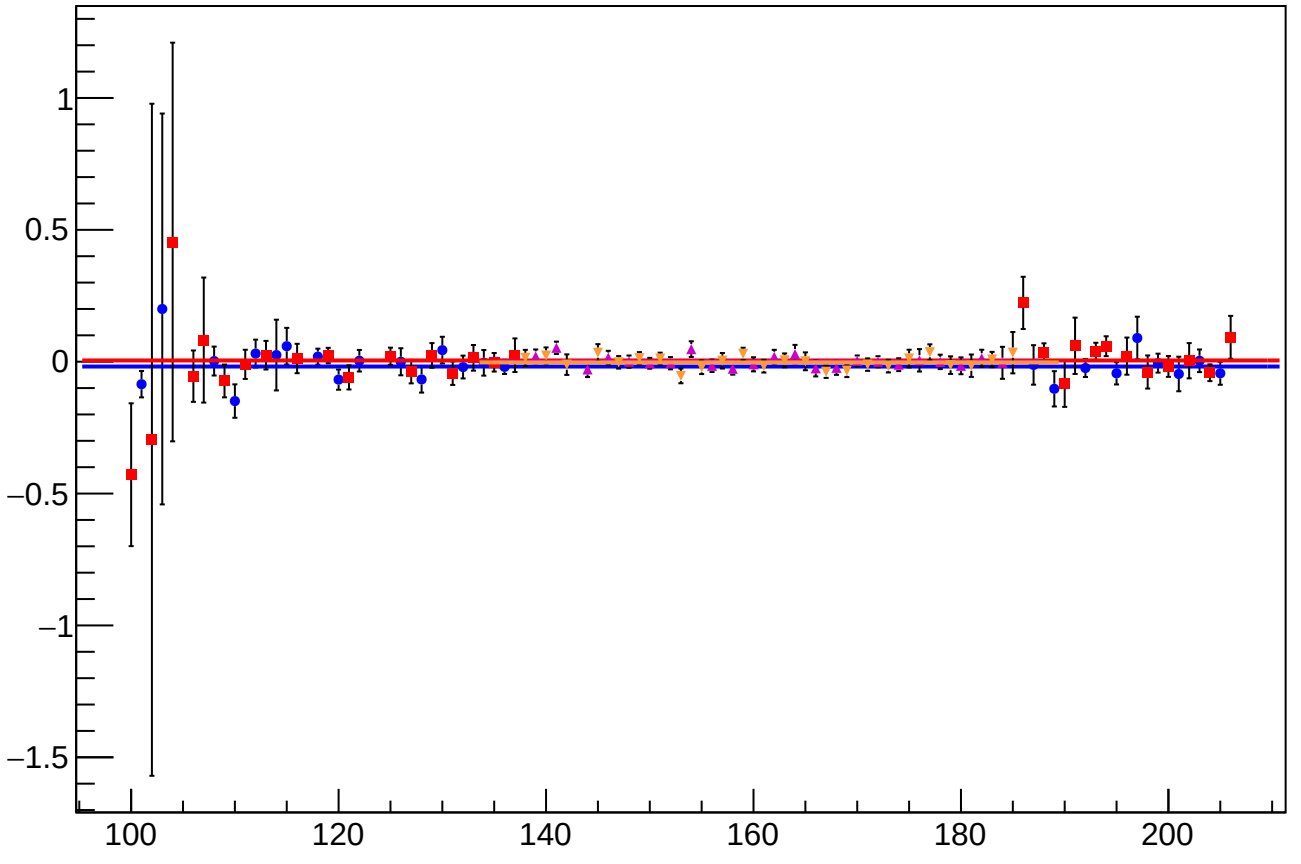
Right Out: 30.681+/-0.006 χ^2/NDF: 4592550.4/29

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.552+/-0.003 χ^2/NDF: 4496094.7/48

All: 24.082+/-0.002 χ^2/NDF: 11576864.7/101

- sign 23.644+/-0.003 χ^2/NDF: 7044525.1/52



Right In: -0.018+/-0.009 χ^2/NDF: 19.4/24

Left Out: -0.003+/-0.006 χ^2/NDF:16.3/23

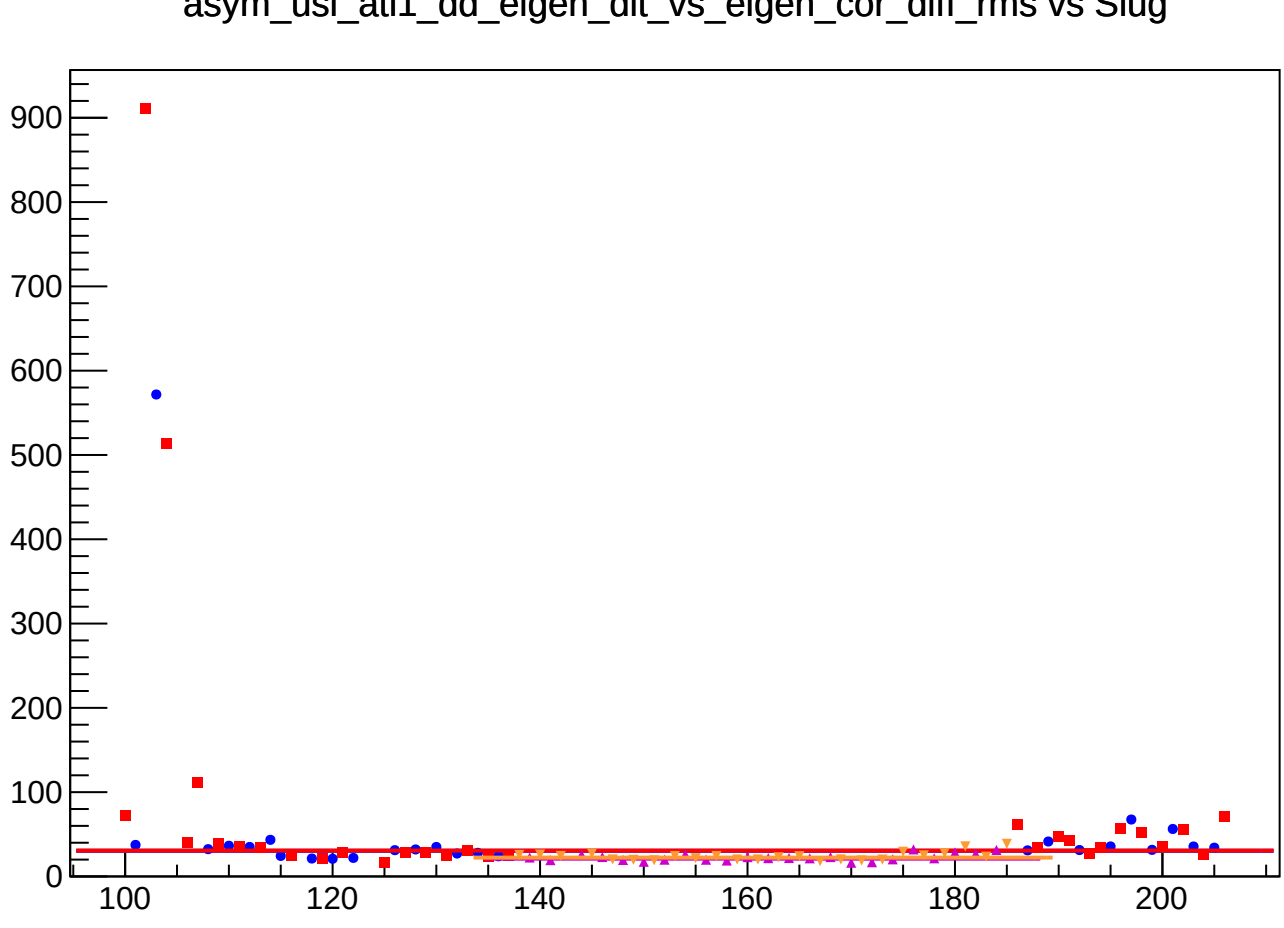
Right Out: 0.005+/-0.009 χ^2/NDF: 24.4/29

Left In: 0.001+/-0.005 χ^2/NDF:14.9/22

\+ sign -0.007+/-0.005 χ^2/NDF: 37.8/48

All: -0.002+/-0.003 χ^2/NDF: 78.9/101

\- sign 0.002+/-0.005 χ^2/NDF: 39.4/52



Right In: 30.446+/-0.007 χ^2/NDF: 2579635.0/24

Left Out: 22.355+/-0.004 χ^2/NDF:816044.6/23

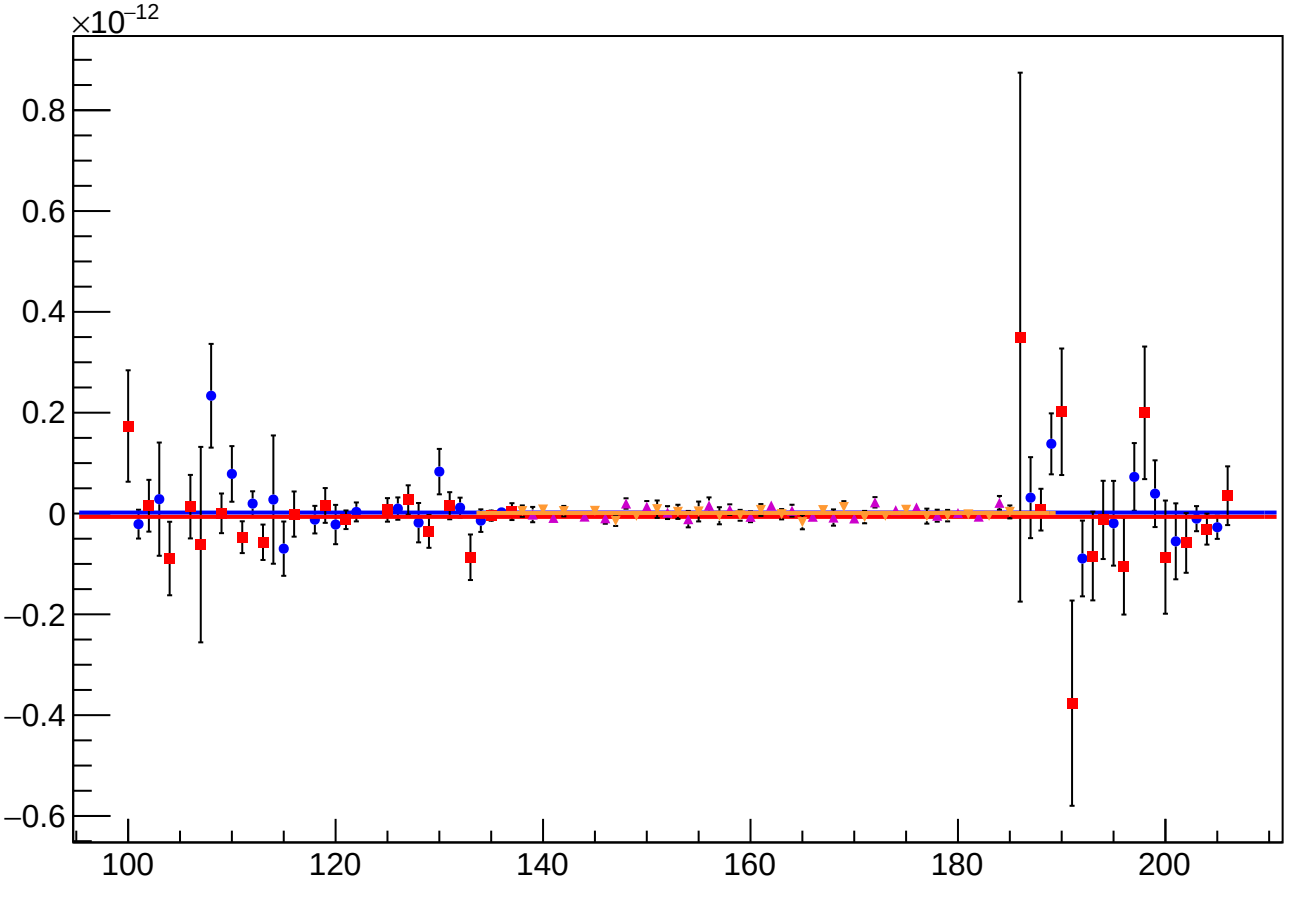
Right Out: 30.681+/-0.006 χ^2/NDF: 4592550.4/29

Left In: 21.099+/-0.004 χ^2/NDF:819268.9/22

+ sign 24.552+/-0.003 χ^2/NDF: 4496094.7/48

All: 24.082+/-0.002 χ^2/NDF: 11576864.7/101

- sign 23.644+/-0.003 χ^2/NDF: 7044525.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 25.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:11.6/23

Right Out: -0.000+/-0.000 χ^2/NDF: 28.6/29

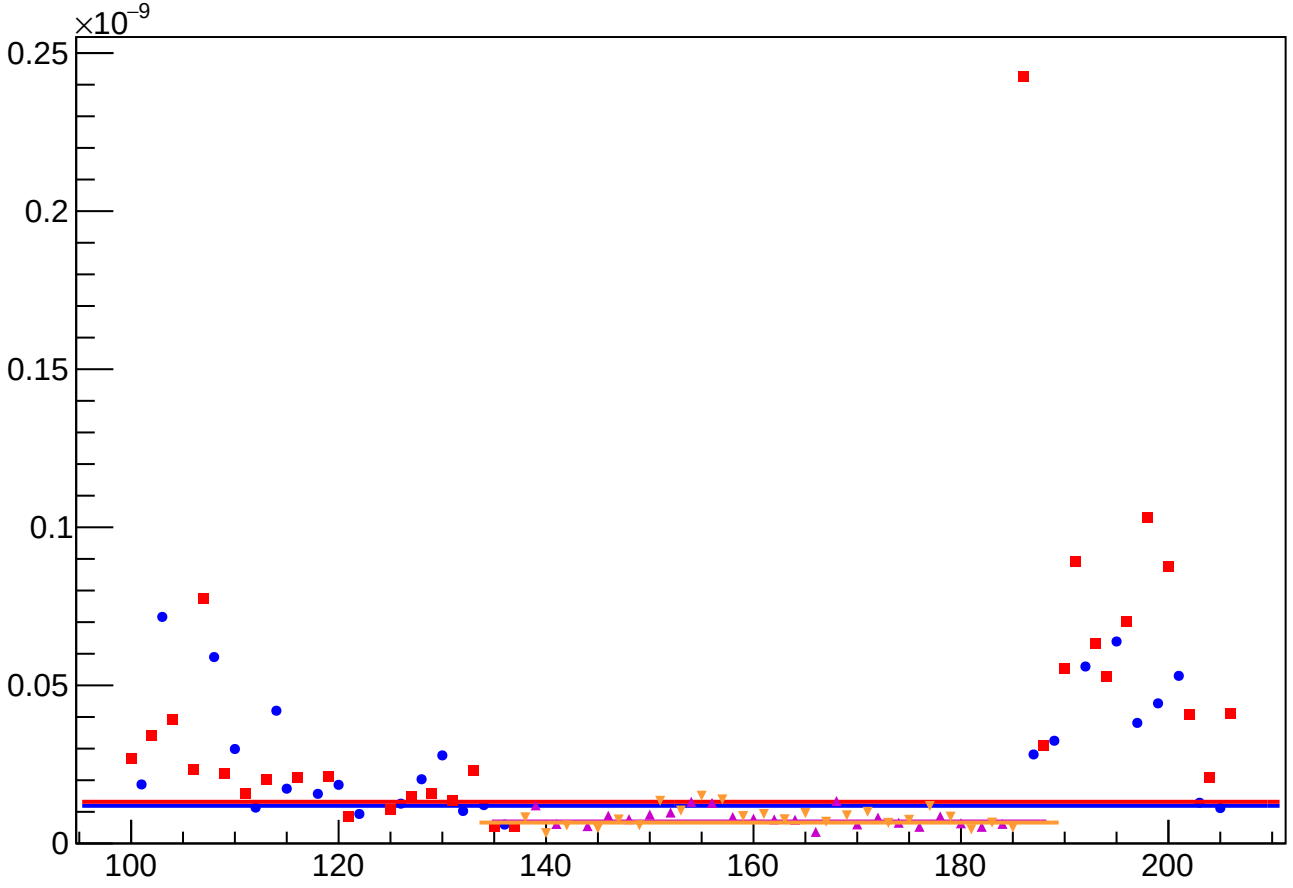
Left In: 0.000+/-0.000 χ^2/NDF:25.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.3/48

All: 0.000+/-0.000 χ^2/NDF: 93.4/101

- sign 0.000+/-0.000 χ^2/NDF: 56.1/52

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6071475.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:3457171.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 9101616.1/29

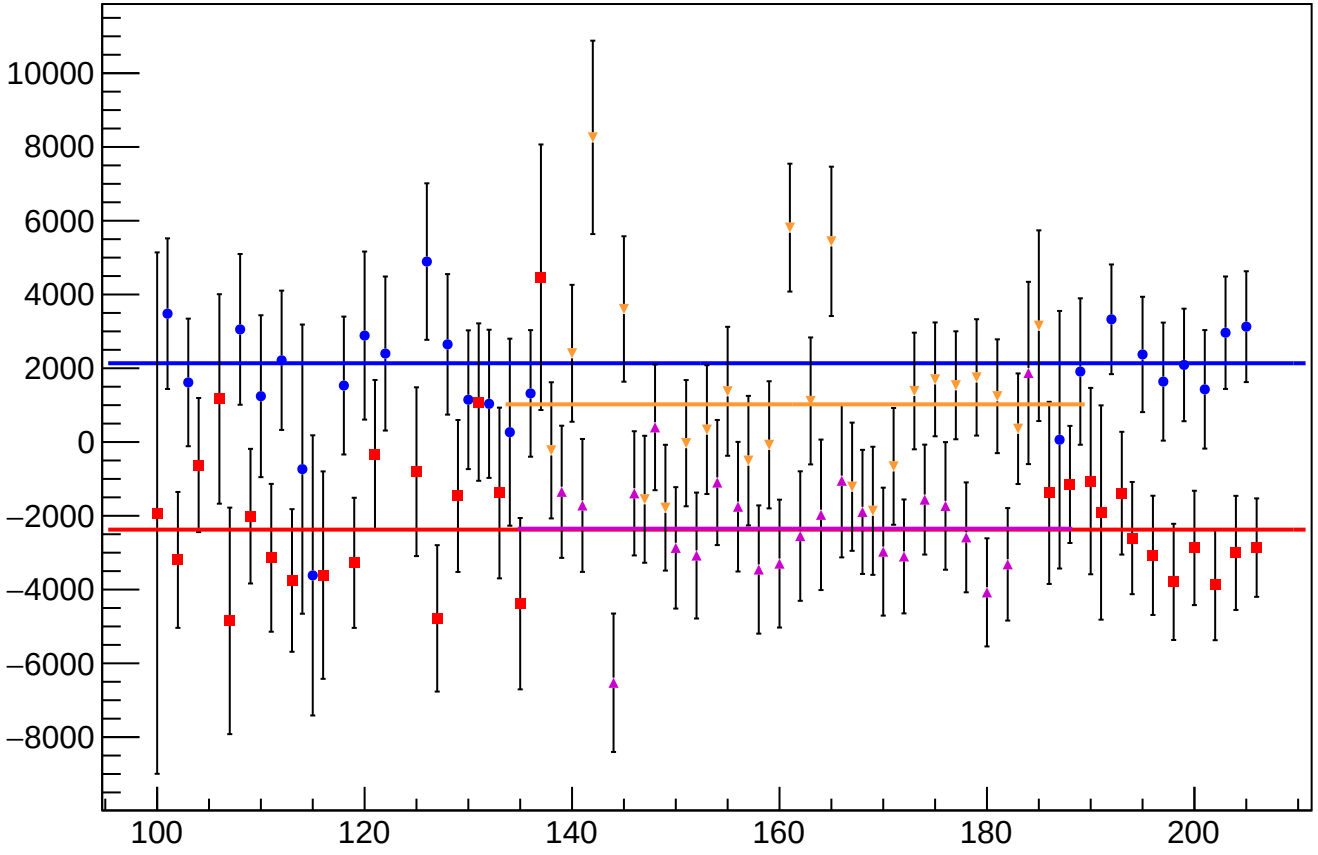
Left In: 0.000+/-0.000 χ^2/NDF:2315472.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 11266477.4/48

All: 0.000+/-0.000 χ^2/NDF: 24790545.4/101

- sign 0.000+/-0.000 χ^2/NDF: 13485639.4/52

reg_asym_usl_atl2_avg_mean vs Slug



Right In: 2136.220+/-379.447 χ^2/NDF: 9.1/24

Left Out: 1022.603+/-353.459 χ^2/NDF:36.4/23

Right Out: -2375.005+/-354.462 χ^2/NDF: 18.6/29

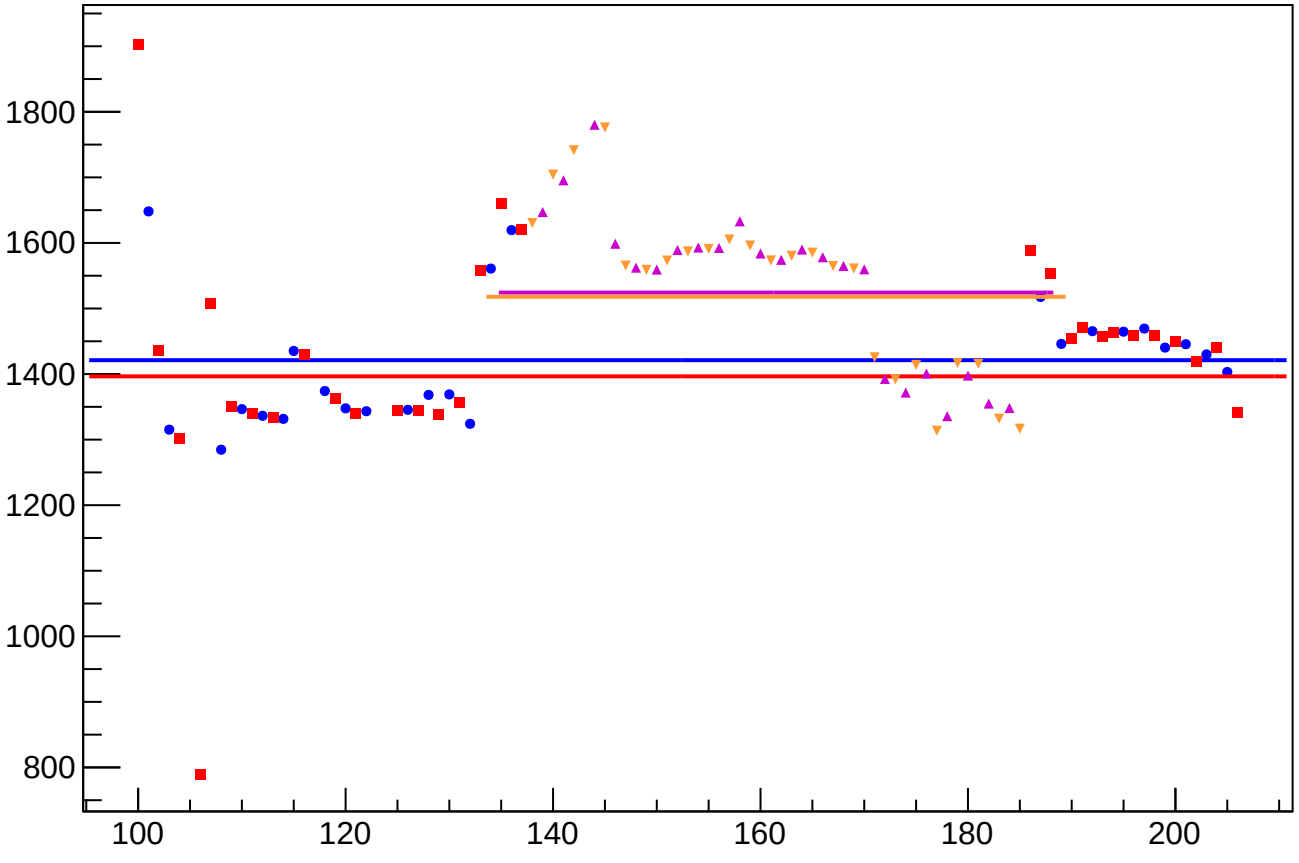
Left In: -2349.189+/-357.068 χ^2/NDF:16.0/22

+ sign 1539.974+/-258.633 χ^2/NDF: 50.2/48

All: -465.204+/-180.328 χ^2/NDF: 201.7/101

- sign -2362.191+/-251.559 χ^2/NDF: 34.6/52

reg_asym_usl_atl2_avg_rms vs Slug



Right In: 1421.164+/-0.268 χ^2/NDF: 105907.7/24

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

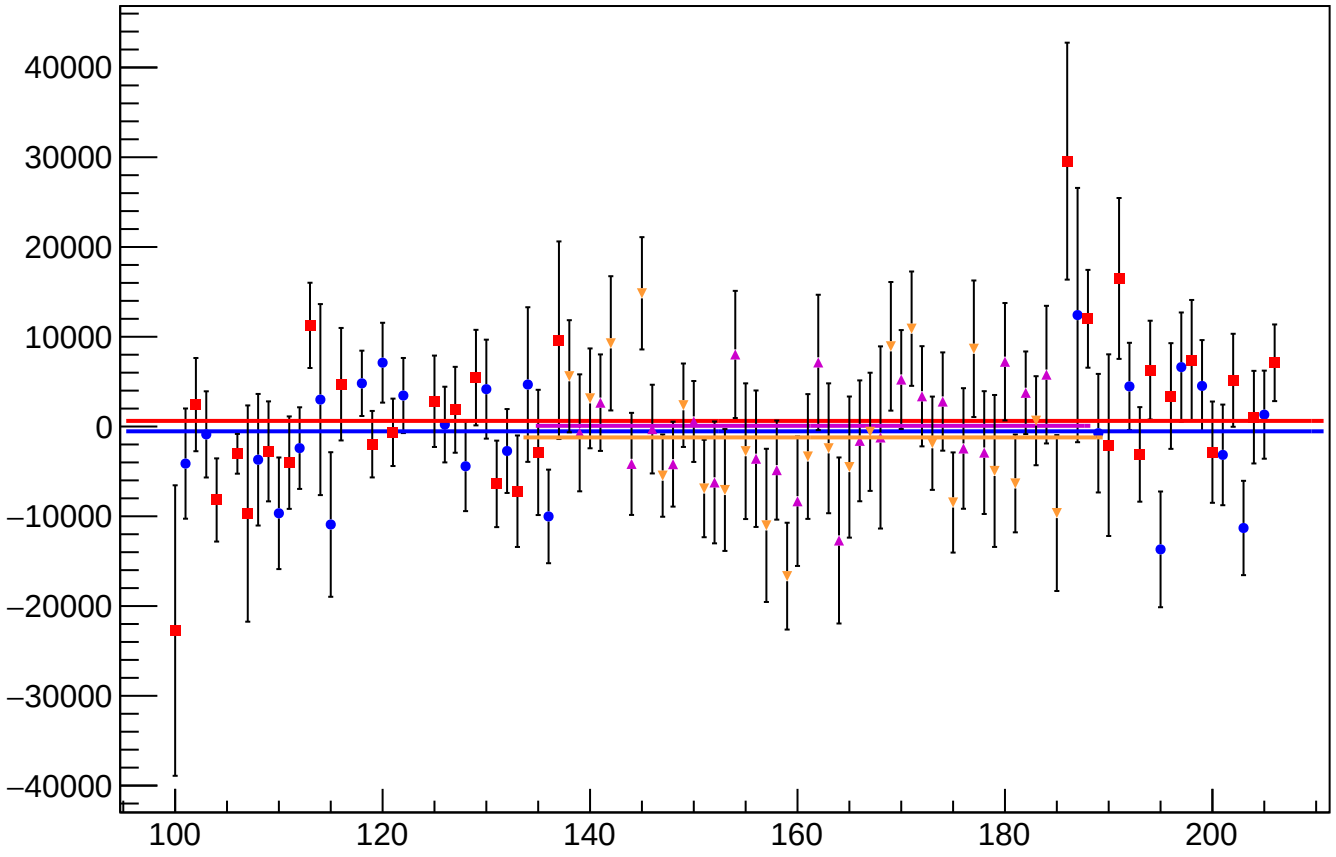
Right Out: 1396.488+/-0.247 χ^2/NDF: 399241.2/29

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1472.912+/-0.183 χ^2/NDF: 409341.9/48

All: 1465.695+/-0.127 χ^2/NDF: 1166934.4/10

- sign 1458.971+/-0.177 χ^2/NDF: 754584.3/52



Right In: -532.740+/-1075.367 χ^2/NDF: 28.9/24

Left Out: -1211.893+/-1268.315 χ^2/NDF:33.2/23

Right Out: 626.591+/-936.460 χ^2/NDF: 40.9/29

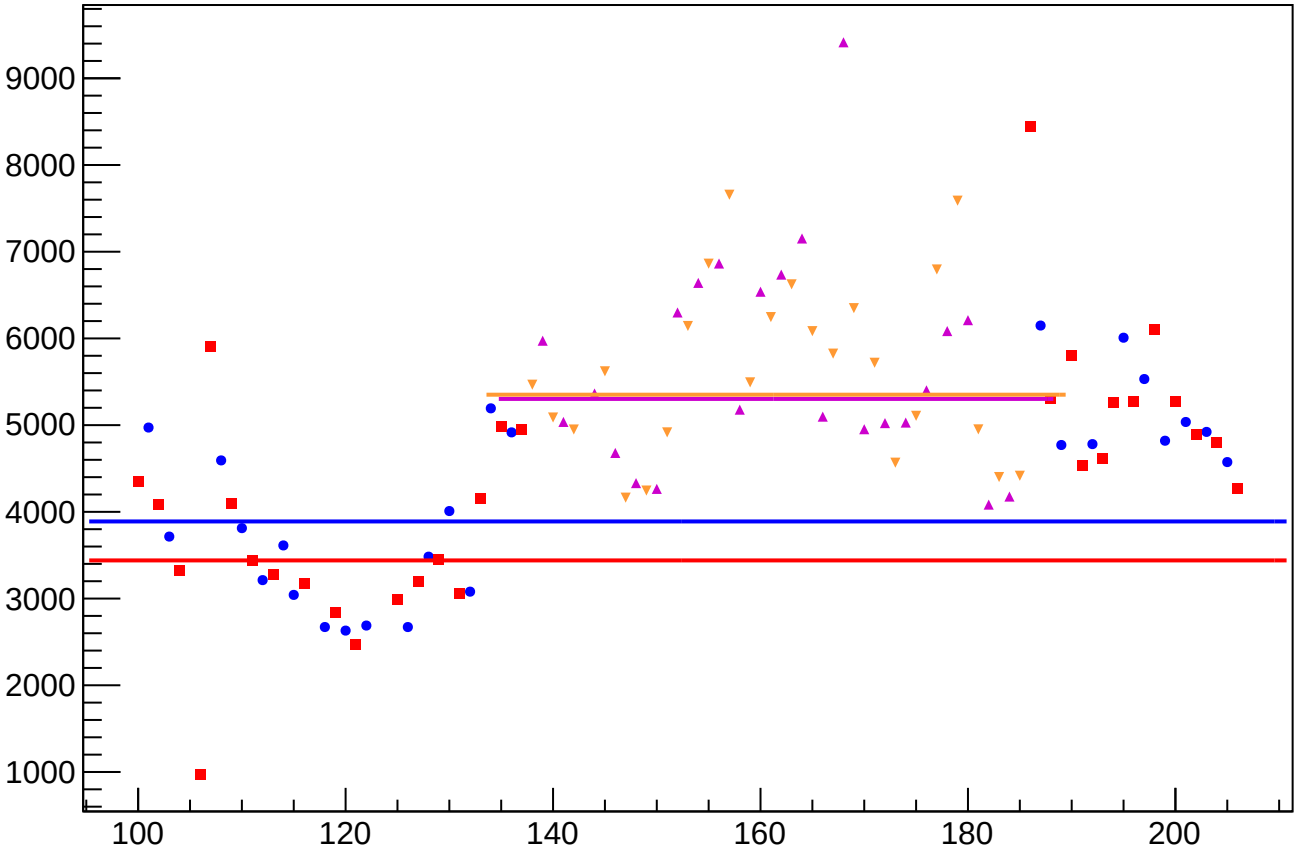
Left In: 80.780+/-1264.327 χ^2/NDF:13.2/22

+ sign -816.780+/-820.226 χ^2/NDF: 62.3/48

All: -138.062+/-554.506 χ^2/NDF: 117.8/101

- sign 433.233+/-752.522 χ^2/NDF: 54.2/52

asym_usl_atl2_avg_reg_correction_rms vs Slug



Right In: 3889.376+/-0.760 χ^2/NDF: 1846818.5/24

Left Out: 5351.126+/-0.897 χ^2/NDF:1066045.6/23

Right Out: 3439.912+/-0.662 χ^2/NDF: 5100178.3/29

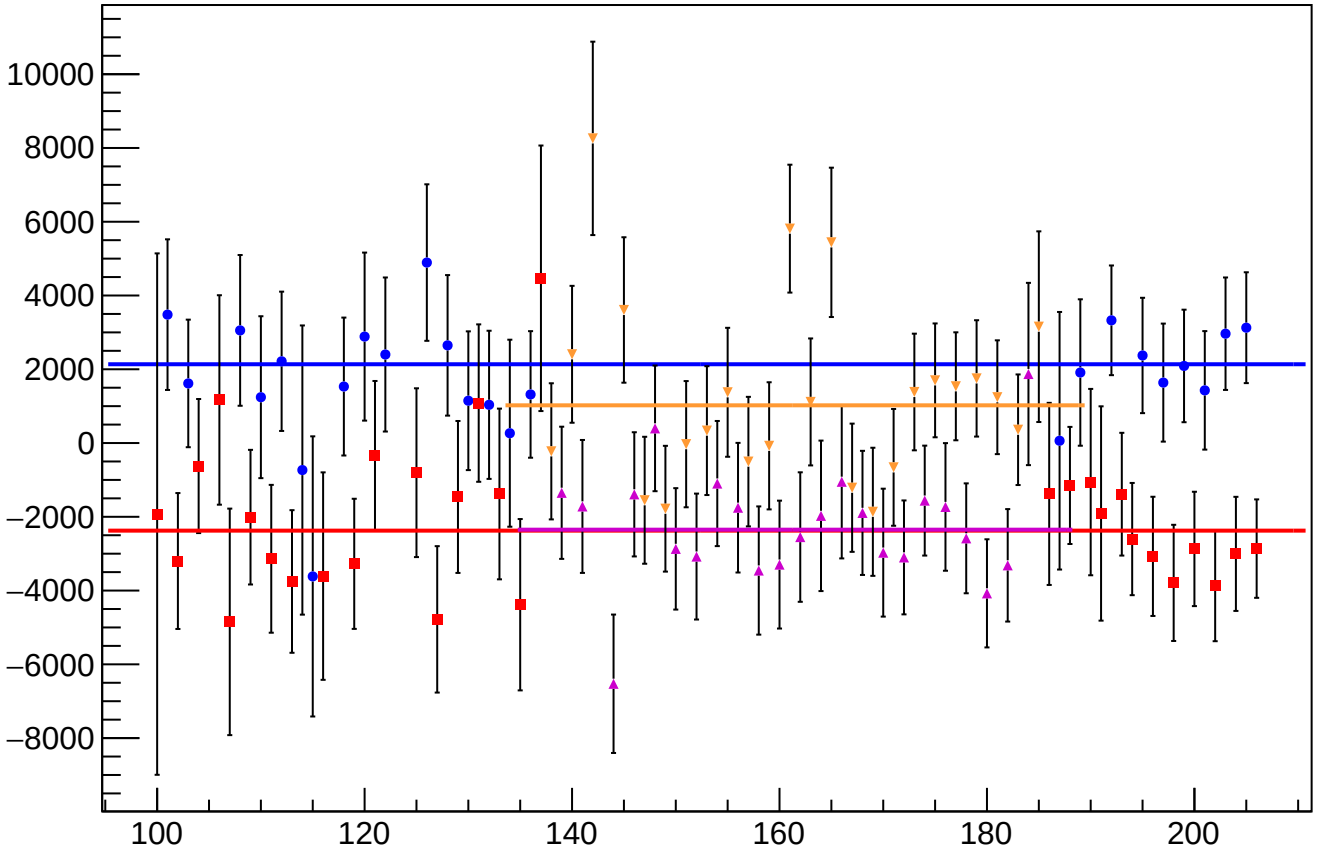
Left In: 5302.185+/-0.894 χ^2/NDF:1256309.3/22

+ sign 4500.720+/-0.580 χ^2/NDF: 4458386.8/48

All: 4282.944+/-0.392 χ^2/NDF: 13876463.6/1

- sign 4099.637+/-0.532 χ^2/NDF: 9158415.8/52

cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2136.205+/-379.447 χ^2/NDF: 9.1/24

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2375.077+/-354.463 χ^2/NDF: 18.6/29

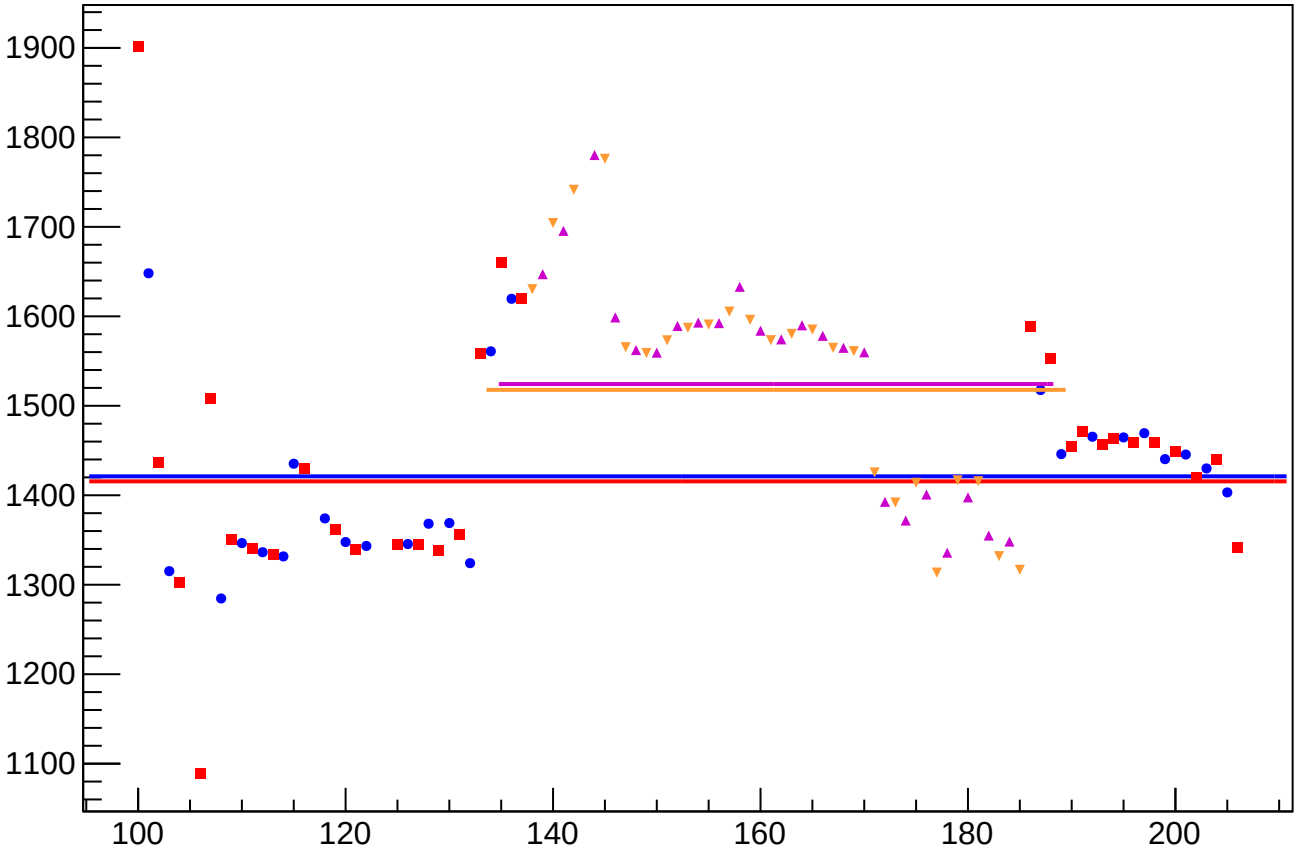
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1539.983+/-258.633 χ^2/NDF: 50.2/48

All: -465.215+/-180.328 χ^2/NDF: 201.7/101

- sign -2362.226+/-251.559 χ^2/NDF: 34.6/52

cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1421.164+/-0.268 χ^2/NDF: 105907.7/24

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

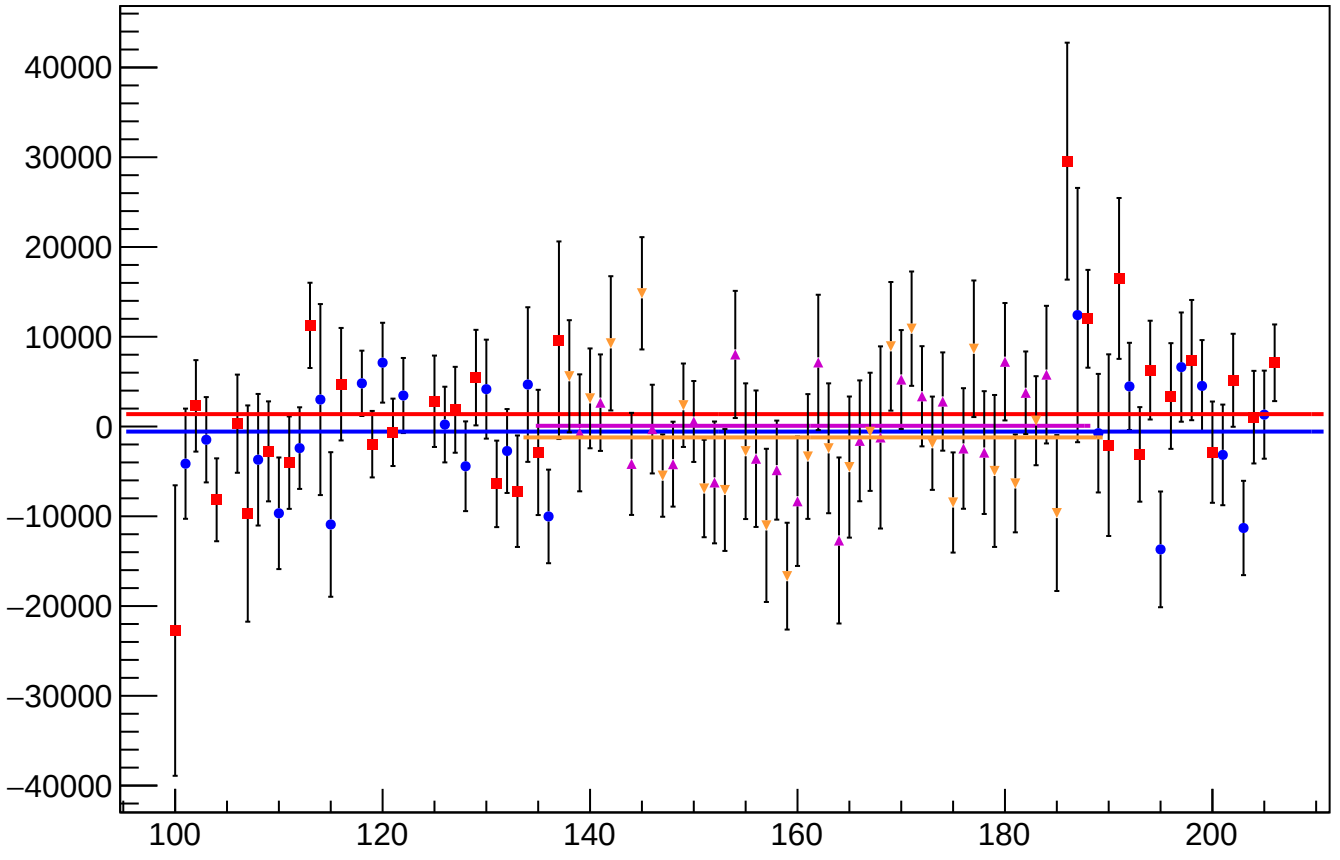
Right Out: 1415.560+/-0.249 χ^2/NDF: 165662.2/29

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1472.912+/-0.183 χ^2/NDF: 409342.0/48

All: 1470.998+/-0.127 χ^2/NDF: 893564.3/101

- sign 1469.198+/-0.177 χ^2/NDF: 484009.7/52



Right In: -563.945+/-1074.803 χ^2/NDF: 28.9/24

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

Right Out: 1380.885+/-1014.550 χ^2/NDF: 37.6/29

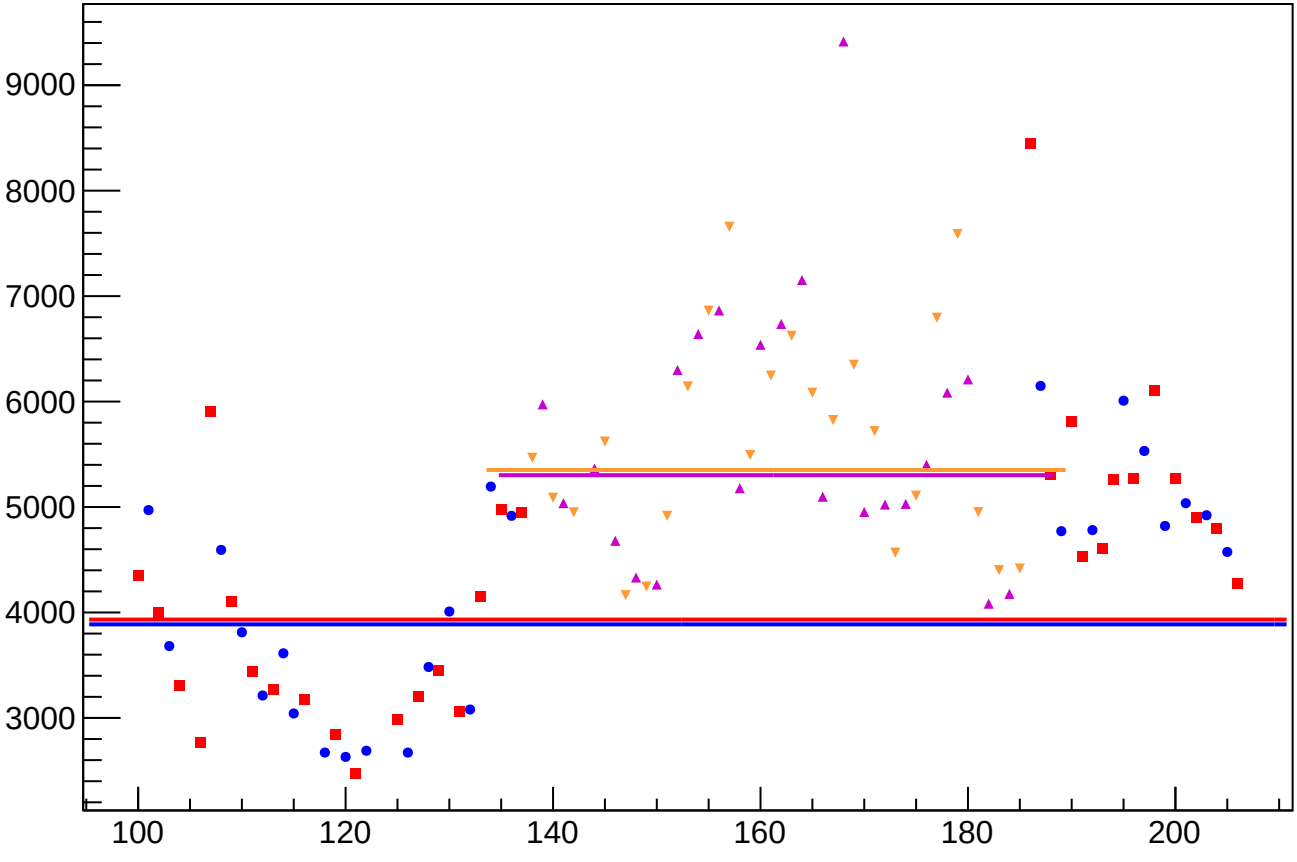
Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -834.767+/-819.976 χ^2/NDF: 62.3/48

All: 48.791+/-569.396 χ^2/NDF: 116.0/101

- sign 871.602+/-791.286 χ^2/NDF: 51.4/52

asym_usl_atl2_avg_cor_correction_rms vs Slug



Right In: 3887.460+/-0.760 χ^2/NDF: 1847910.2/24

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3932.772+/-0.717 χ^2/NDF: 2161579.6/29

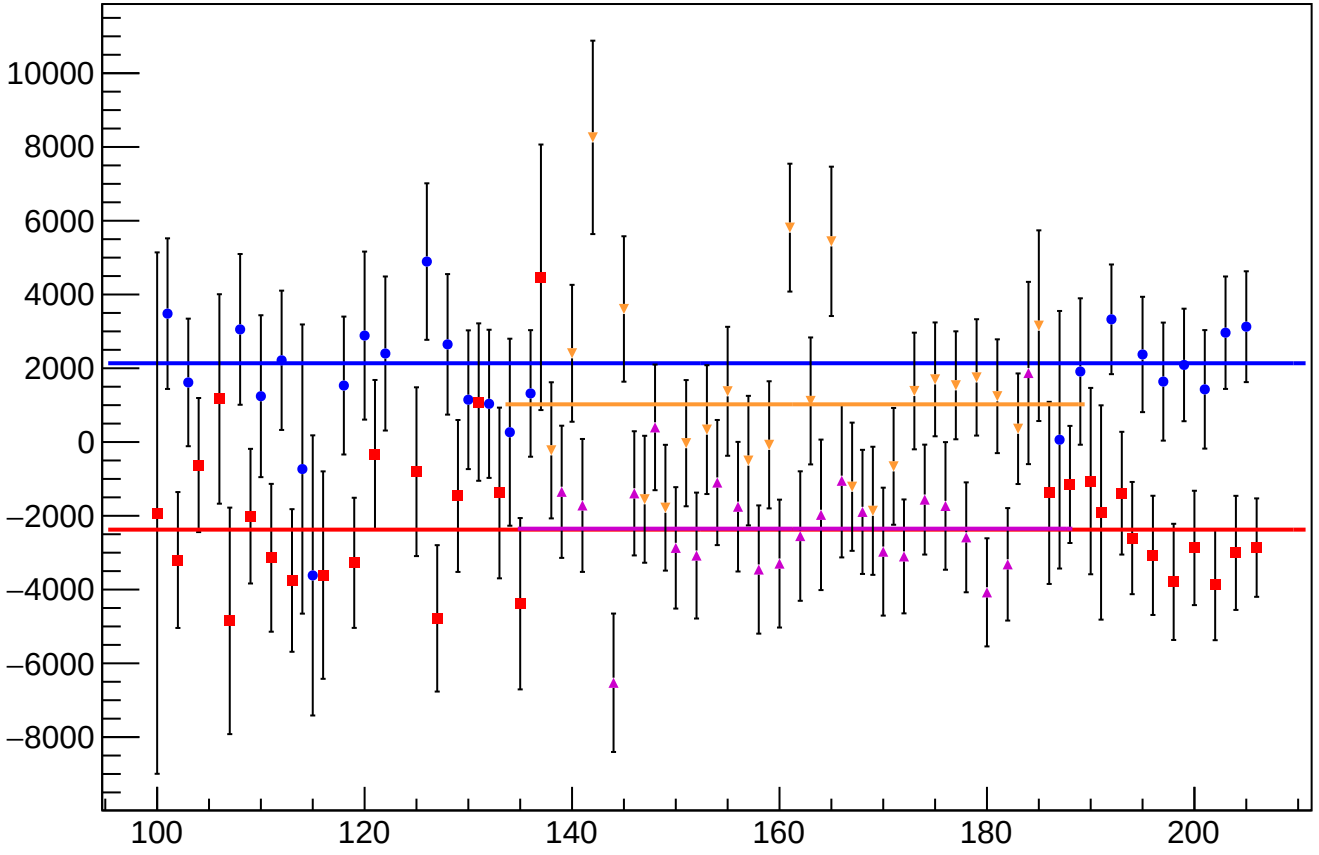
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

\+ sign 4499.233+/-0.580 χ^2/NDF: 4464216.1/48

All: 4483.663+/-0.403 χ^2/NDF: 9310750.0/10

\- sign 4469.163+/-0.560 χ^2/NDF: 4845141.2/52

eigen_cor_asym_usl_atl2_avg_mean vs Slug



Right In: 2136.205+/-379.447 χ^2/NDF: 9.1/24

Left Out: 1022.634+/-353.459 χ^2/NDF:36.4/23

Right Out: -2375.077+/-354.463 χ^2/NDF: 18.6/29

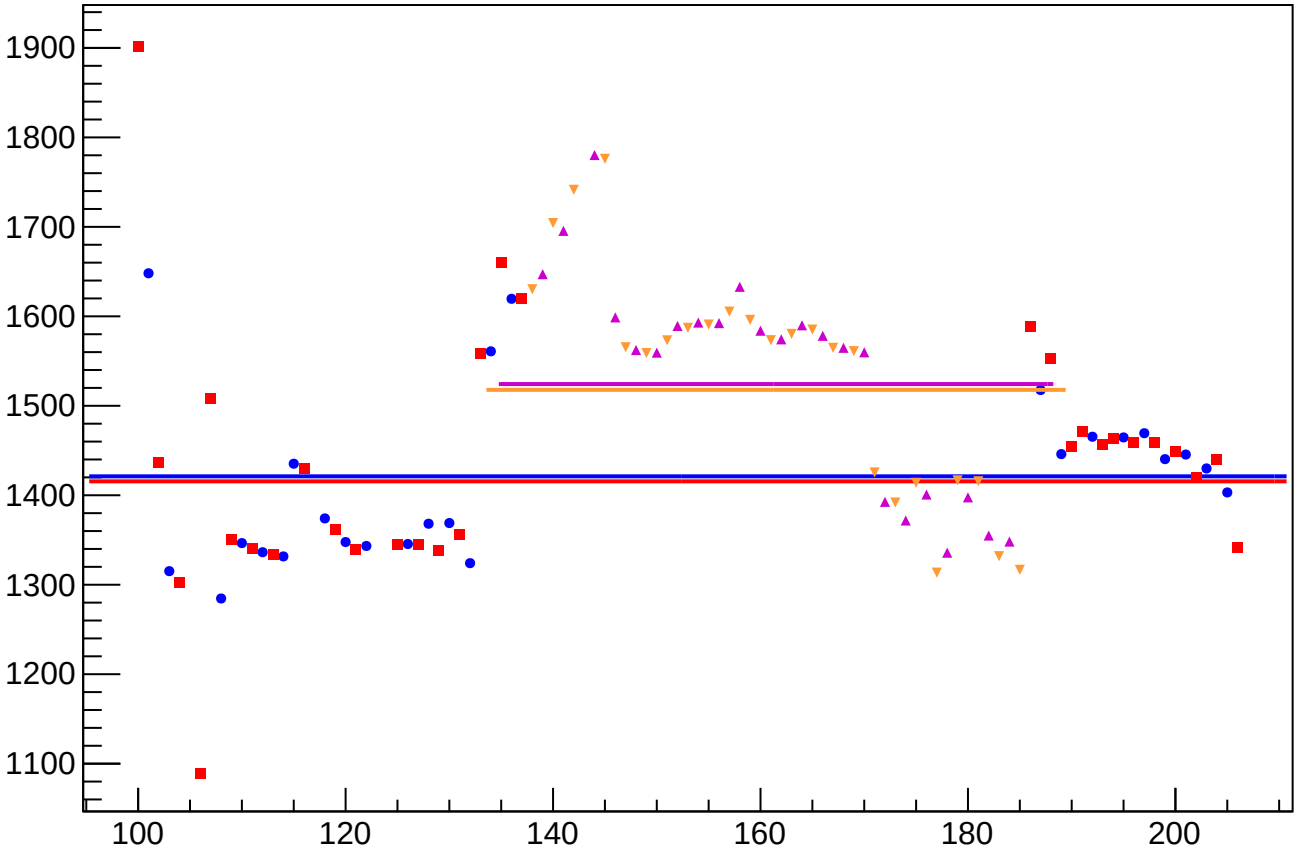
Left In: -2349.186+/-357.068 χ^2/NDF:16.0/22

+ sign 1539.983+/-258.633 χ^2/NDF: 50.2/48

All: -465.215+/-180.328 χ^2/NDF: 201.7/101

- sign -2362.226+/-251.559 χ^2/NDF: 34.6/52

eigen_cor_asym_usl_atl2_avg_rms vs Slug



Right In: 1421.164+/-0.268 χ^2/NDF: 105907.7/24

Left Out: 1517.815+/-0.250 χ^2/NDF:233957.9/23

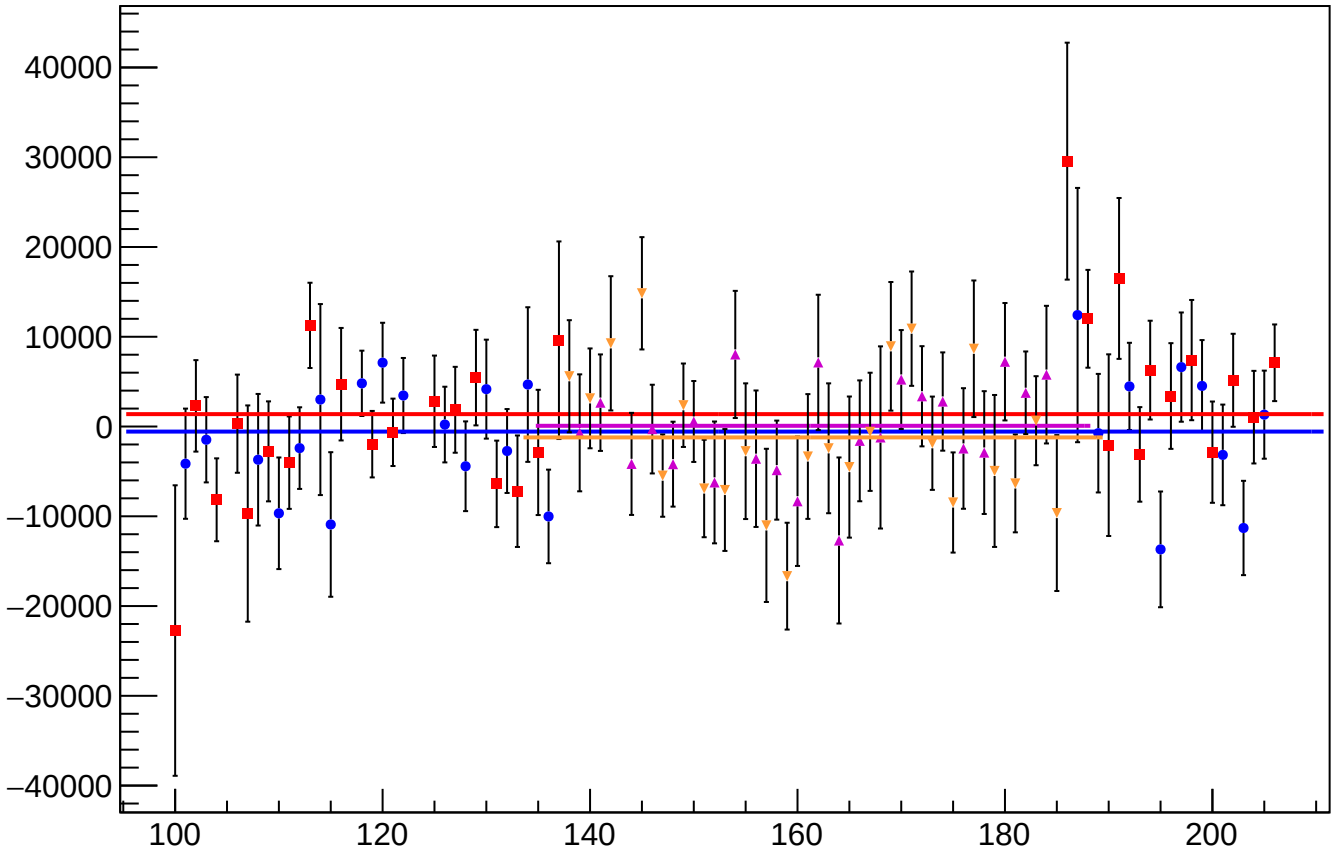
Right Out: 1415.560+/-0.249 χ^2/NDF: 165662.2/29

Left In: 1524.314+/-0.252 χ^2/NDF:224321.2/22

+ sign 1472.912+/-0.183 χ^2/NDF: 409342.0/48

All: 1470.998+/-0.127 χ^2/NDF: 893564.3/101

- sign 1469.198+/-0.177 χ^2/NDF: 484009.7/52



Right In: -563.945+/-1074.803 χ^2/NDF: 28.9/24

Left Out: -1211.889+/-1268.316 χ^2/NDF:33.2/23

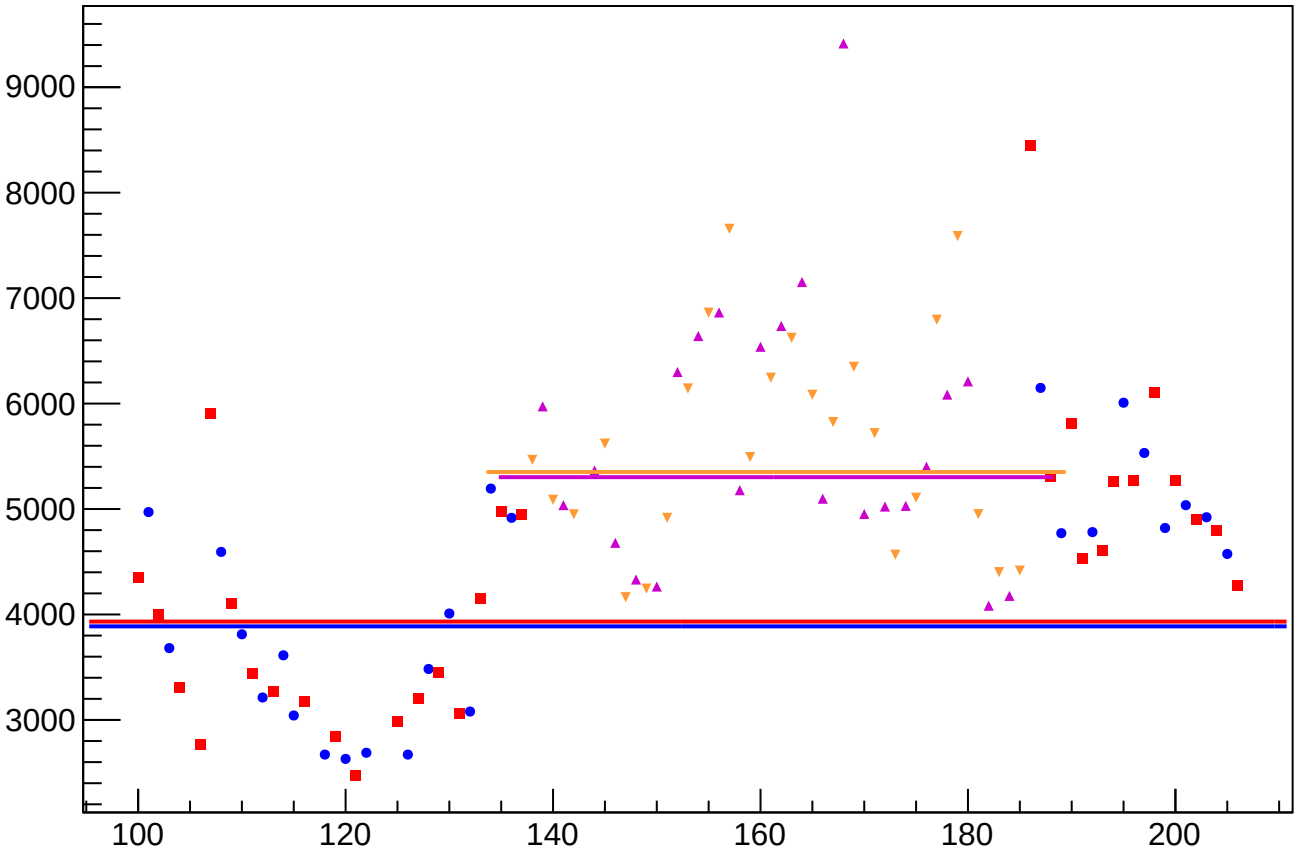
Right Out: 1380.885+/-1014.550 χ^2/NDF: 37.6/29

Left In: 80.689+/-1264.325 χ^2/NDF:13.2/22

+ sign -834.767+/-819.976 χ^2/NDF: 62.3/48

All: 48.791+/-569.396 χ^2/NDF: 116.0/101

- sign 871.602+/-791.286 χ^2/NDF: 51.4/52



Right In: 3887.460+/-0.760 χ^2/NDF: 1847910.2/24

Left Out: 5351.132+/-0.897 χ^2/NDF:1066039.6/23

Right Out: 3932.772+/-0.717 χ^2/NDF: 2161579.6/29

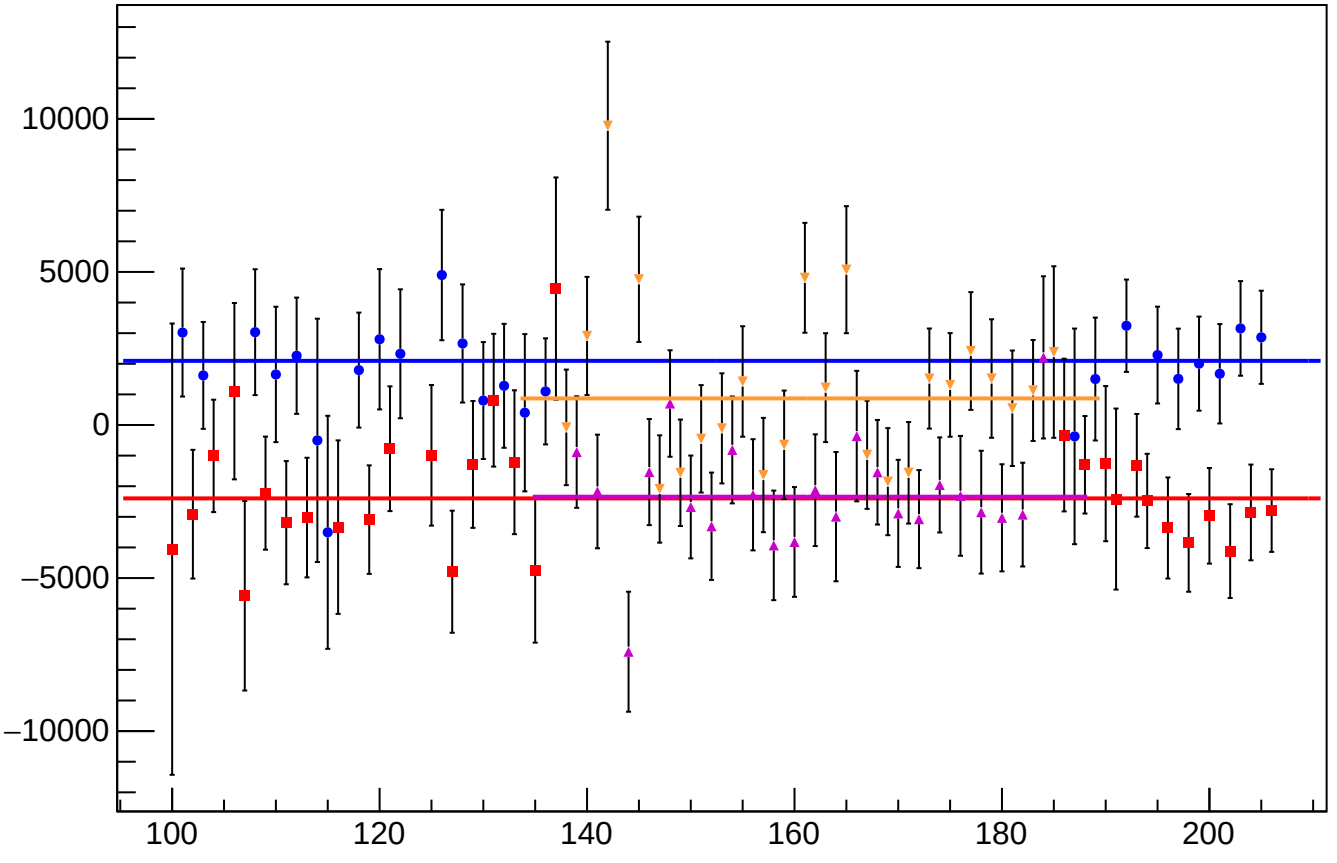
Left In: 5302.177+/-0.894 χ^2/NDF:1256324.3/22

+ sign 4499.233+/-0.580 χ^2/NDF: 4464216.1/48

All: 4483.663+/-0.403 χ^2/NDF: 9310750.0/10

- sign 4469.163+/-0.560 χ^2/NDF: 4845141.2/52

dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2095.925+/-383.722 χ^2/NDF: 8.6/24

Left Out: 868.415+/-377.179 χ^2/NDF:39.7/23

Right Out: -2397.448+/-359.644 χ^2/NDF: 18.0/29

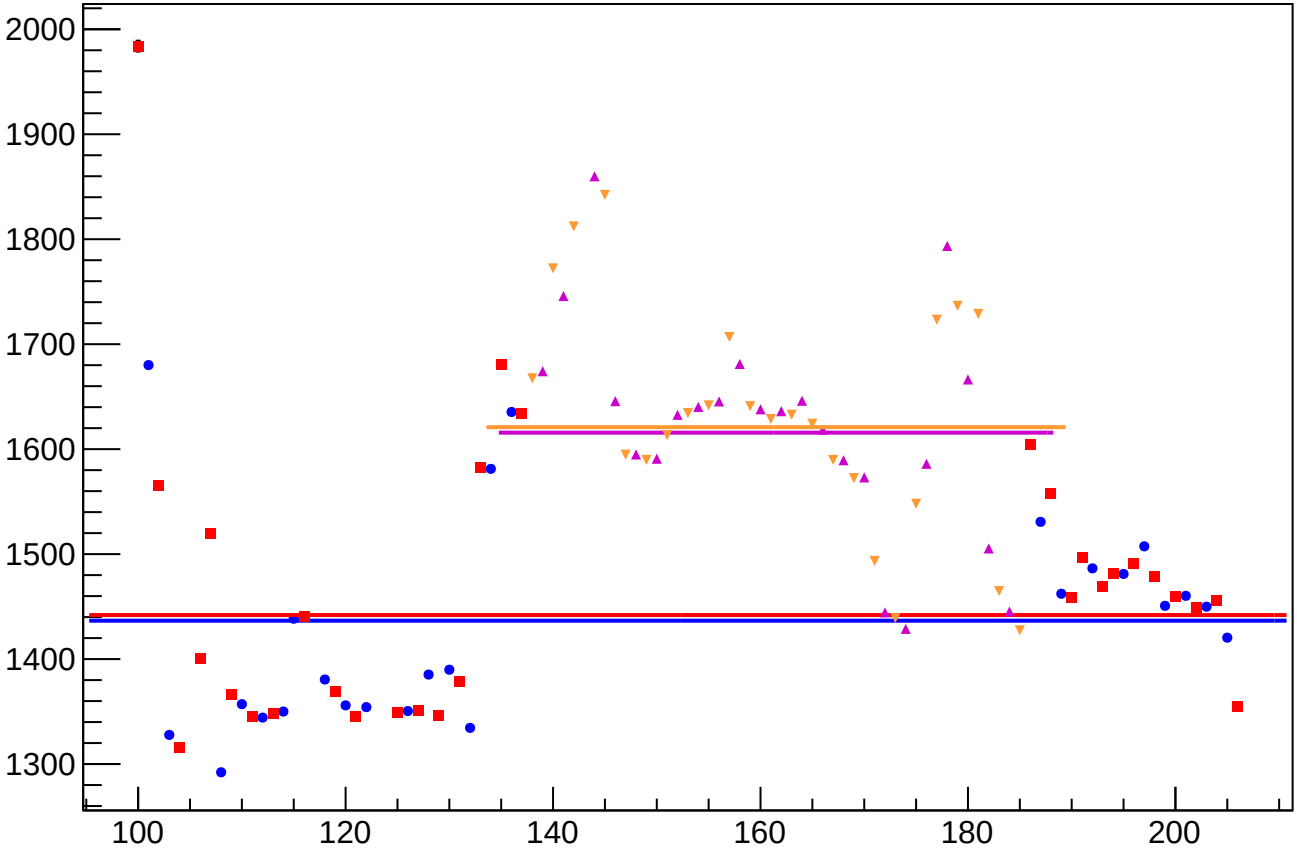
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1471.616+/-268.989 χ^2/NDF: 53.5/48

All: -510.745+/-187.164 χ^2/NDF: 194.9/101

- sign -2371.255+/-260.591 χ^2/NDF: 36.1/52

dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1436.583+/-0.271 χ^2/NDF: 114228.5/24

Left Out: 1620.945+/-0.267 χ^2/NDF:141985.5/23

Right Out: 1441.942+/-0.254 χ^2/NDF: 129448.4/29

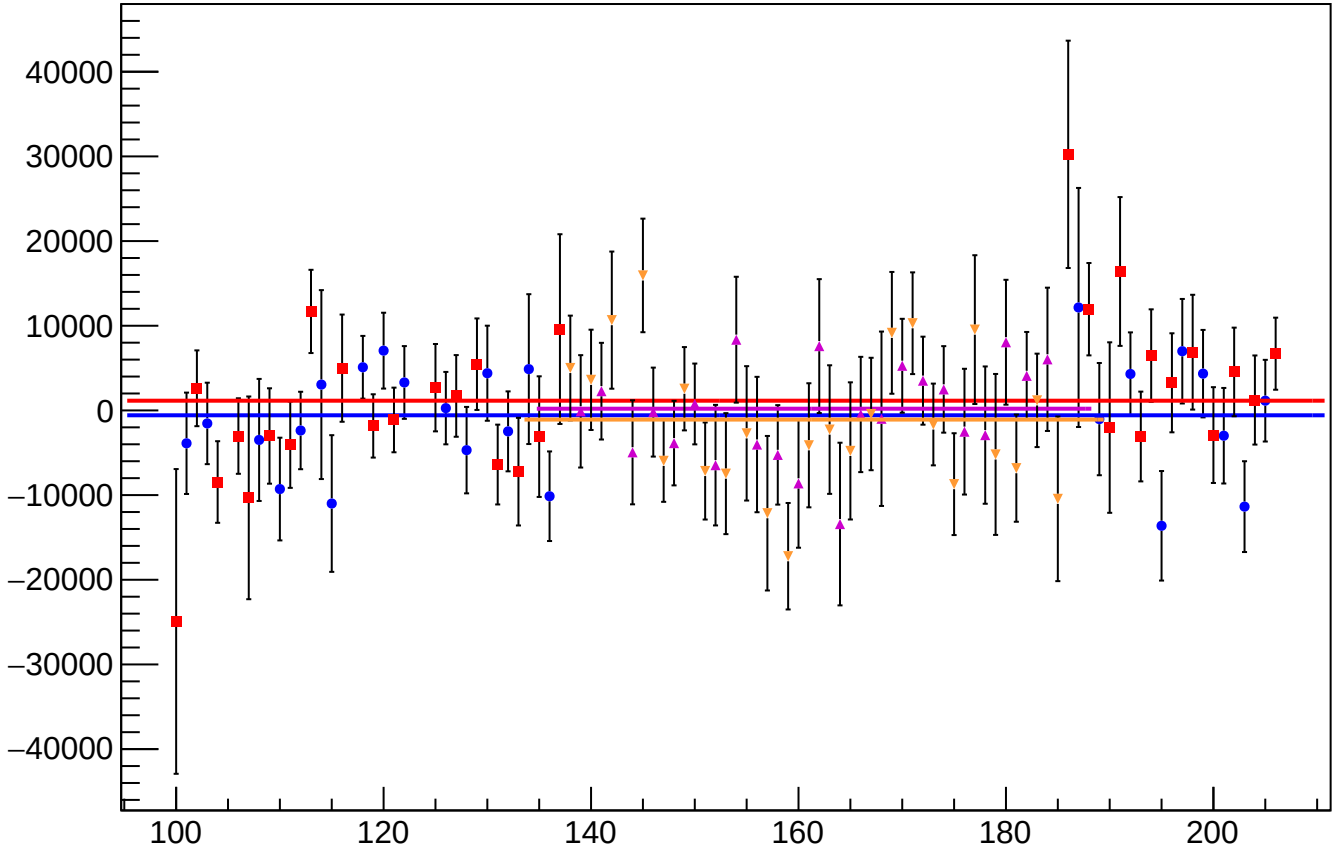
Left In: 1615.705+/-0.267 χ^2/NDF:137139.2/22

+ sign 1530.349+/-0.190 χ^2/NDF: 491021.8/48

All: 1527.262+/-0.132 χ^2/NDF: 980135.7/101

- sign 1524.369+/-0.184 χ^2/NDF: 488603.6/52

asym_usl_atl2_avg_dit_correction_mean vs Slug



Right In: -575.070+/-1084.701 χ^2/NDF: 28.5/24

Left Out: -1082.232+/-1332.403 χ^2/NDF:32.9/23

Right Out: 1147.575+/-1008.457 χ^2/NDF: 38.3/29

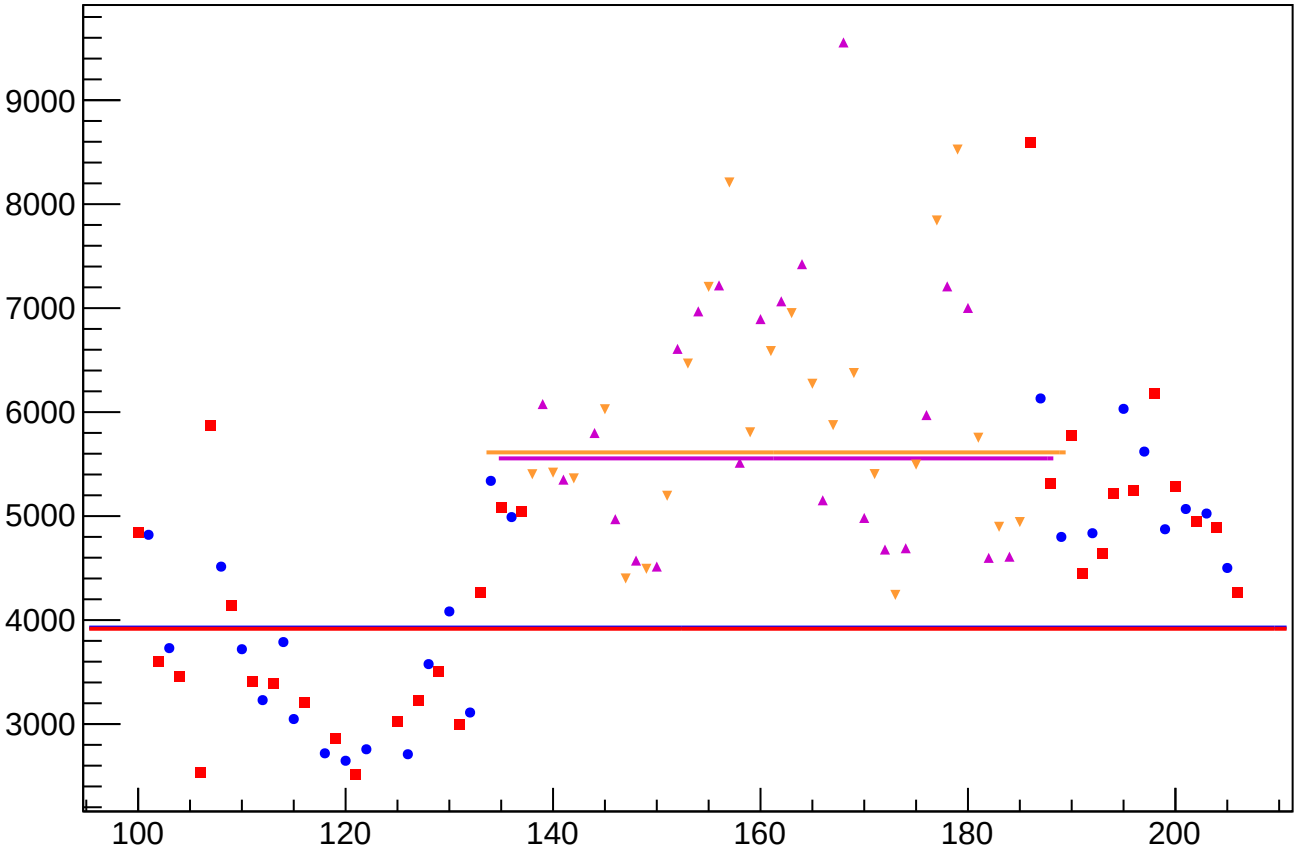
Left In: 201.662+/-1326.173 χ^2/NDF:12.9/22

+ sign -777.218+/-841.195 χ^2/NDF: 61.5/48

All: 48.801+/-580.738 χ^2/NDF: 114.9/101

- sign 801.005+/-802.731 χ^2/NDF: 51.5/52

asym_usl_atl2_avg_dit_correction_rms vs Slug



Right In: 3927.858+/-0.767 χ^2/NDF: 1798166.2/24

Left Out: 5612.730+/-0.942 χ^2/NDF:1188118.0/23

Right Out: 3916.749+/-0.713 χ^2/NDF: 2247825.8/29

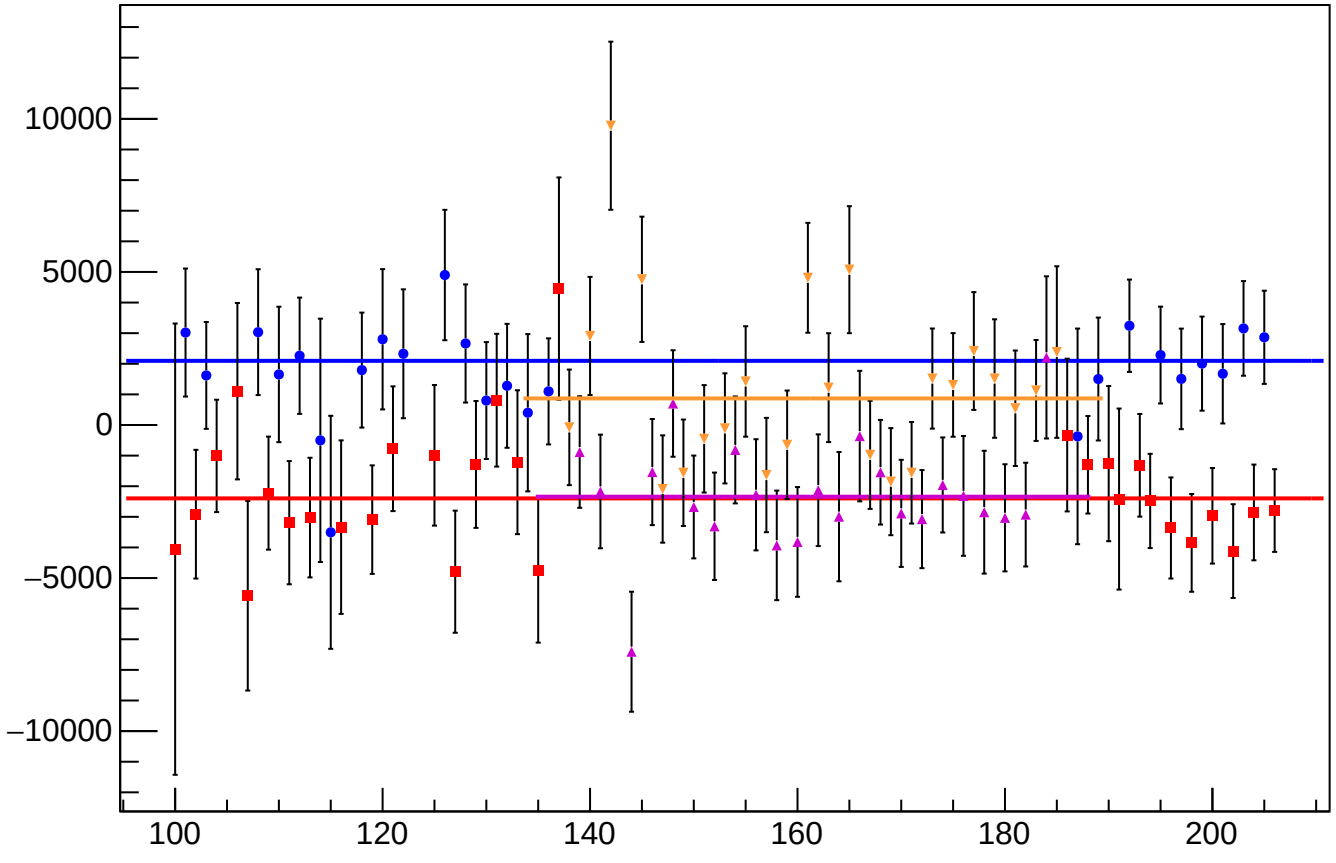
Left In: 5554.927+/-0.938 χ^2/NDF:1332970.4/22

+ sign 4599.425+/-0.595 χ^2/NDF: 4909668.7/48

All: 4556.261+/-0.411 χ^2/NDF: 10434167.6/1

- sign 4516.955+/-0.568 χ^2/NDF: 5514437.6/52

eigen_dit_asym_usl_atl2_avg_mean vs Slug



Right In: 2095.922+/-383.722 χ^2/NDF: 8.6/24

Left Out: 868.410+/-377.180 χ^2/NDF:39.7/23

Right Out: -2397.446+/-359.644 χ^2/NDF: 18.0/29

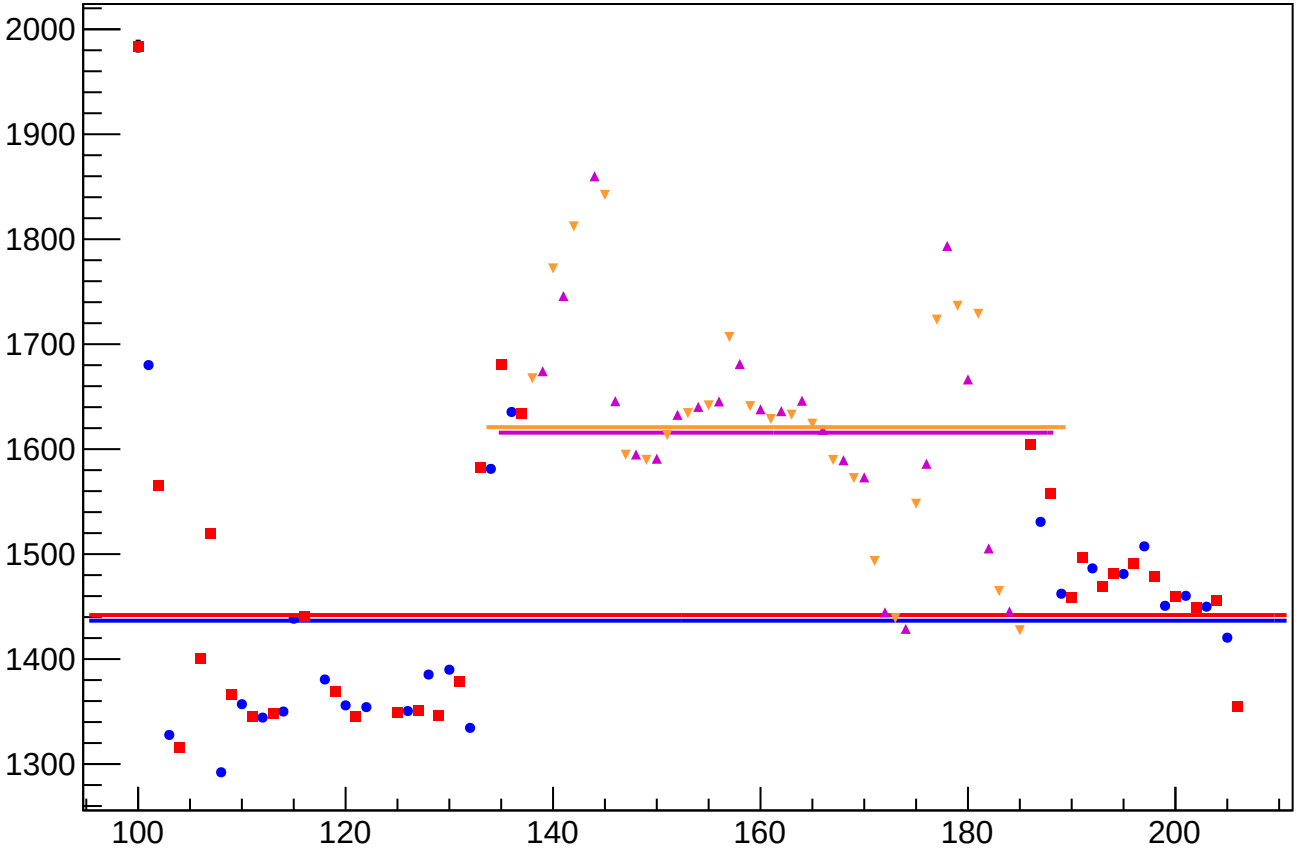
Left In: -2342.303+/-378.114 χ^2/NDF:18.0/22

+ sign 1471.612+/-268.990 χ^2/NDF: 53.5/48

All: -510.746+/-187.165 χ^2/NDF: 194.9/101

- sign -2371.254+/-260.591 χ^2/NDF: 36.1/52

eigen_dit_asym_usl_atl2_avg_rms vs Slug



Right In: 1436.583+/-0.271 χ^2/NDF: 114228.6/24

Left Out: 1620.946+/-0.267 χ^2/NDF:141990.3/23

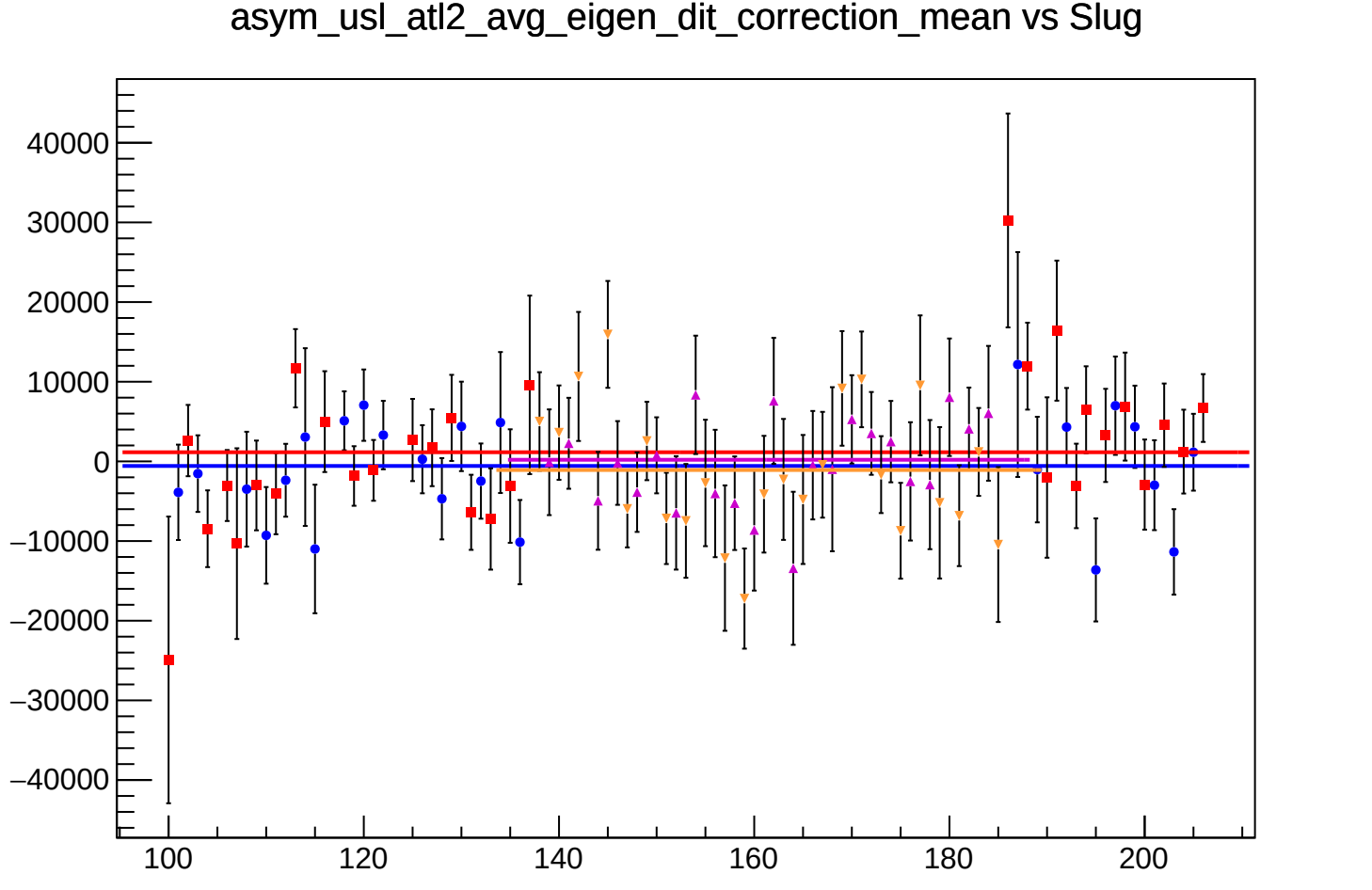
Right Out: 1441.942+/-0.254 χ^2/NDF: 129448.7/29

Left In: 1615.706+/-0.267 χ^2/NDF:137144.0/22

+ sign 1530.350+/-0.190 χ^2/NDF: 491029.7/48

All: 1527.263+/-0.132 χ^2/NDF: 980151.7/101

- sign 1524.369+/-0.184 χ^2/NDF: 488611.6/52



Right In: -575.063+/-1084.700 χ^2/NDF: 28.5/24

Left Out: -1082.239+/-1332.405 χ^2/NDF:32.9/23

Right Out: 1147.566+/-1008.456 χ^2/NDF: 38.3/29

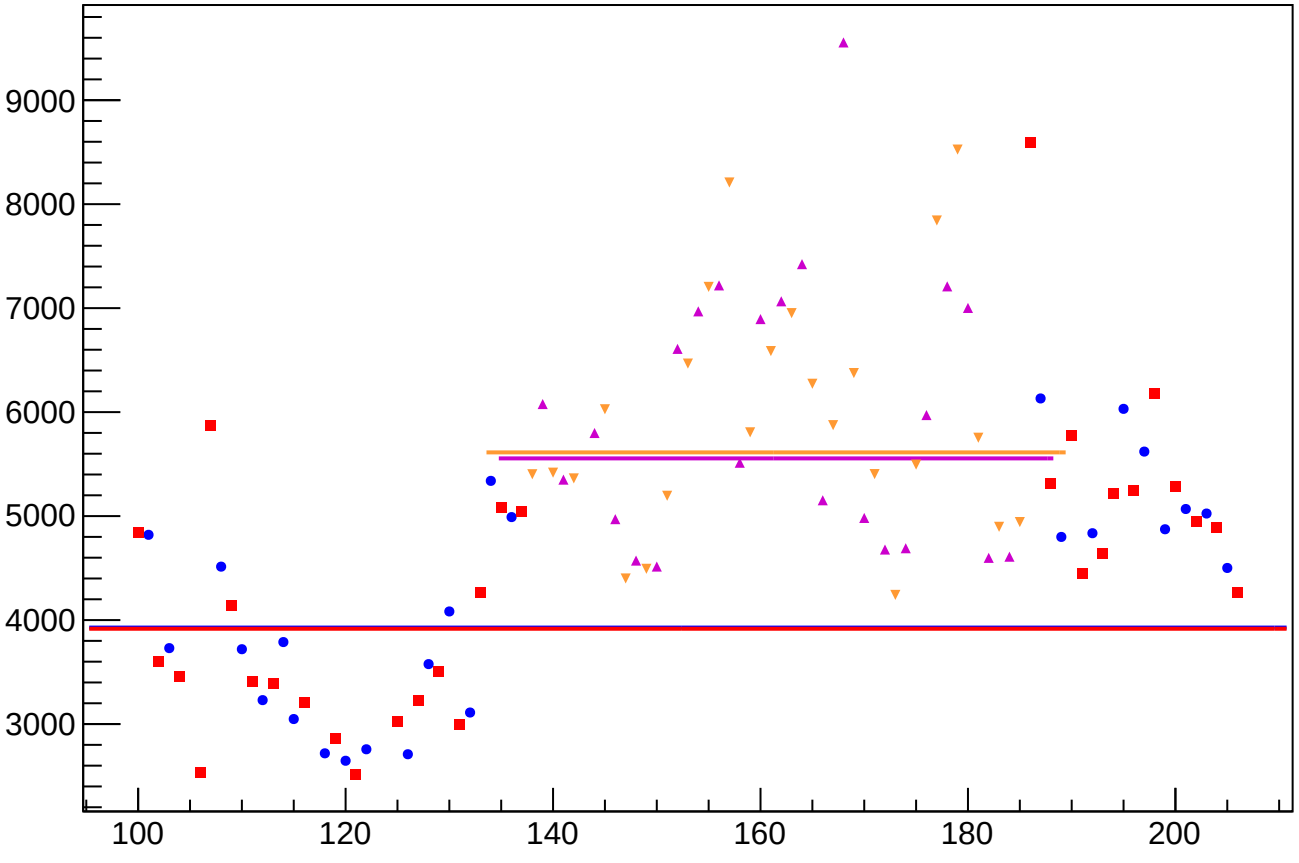
Left In: 201.663+/-1326.175 χ^2/NDF:12.9/22

+ sign -777.216+/-841.195 χ^2/NDF: 61.5/48

All: 48.800+/-580.738 χ^2/NDF: 114.9/101

- sign 801.001+/-802.730 χ^2/NDF: 51.5/52

asym_usl_atl2_avg_eigen_dit_correction_rms vs Slug



Right In: 3927.850+/-0.767 χ^2/NDF: 1798198.3/24

Left Out: 5612.739+/-0.942 χ^2/NDF:1188118.8/23

Right Out: 3916.742+/-0.713 χ^2/NDF: 2247855.1/29

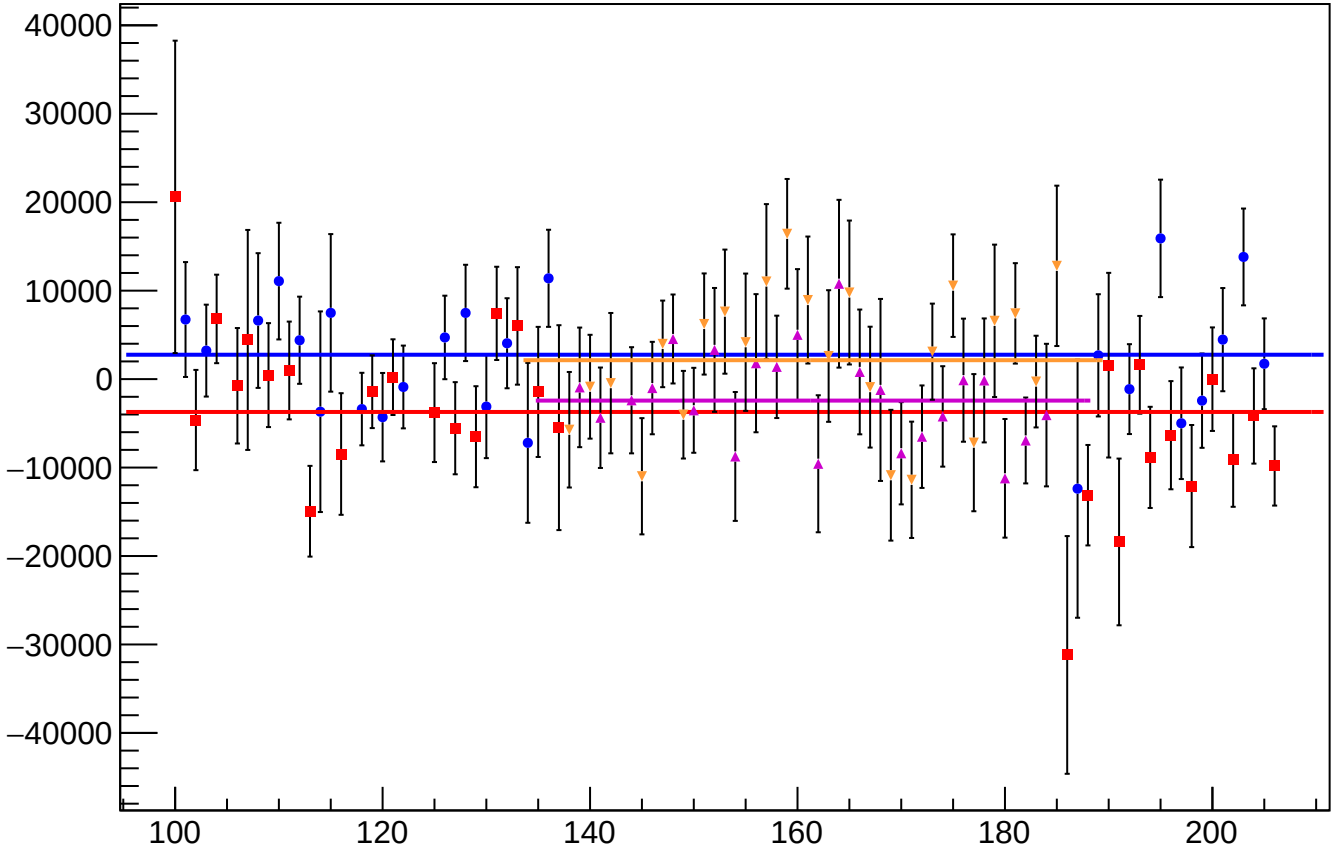
Left In: 5554.935+/-0.938 χ^2/NDF:1332972.0/22

+ sign 4599.421+/-0.595 χ^2/NDF: 4909739.1/48

All: 4556.258+/-0.411 χ^2/NDF: 10434302.3/1

- sign 4516.951+/-0.568 χ^2/NDF: 5514502.0/52

asym_usl_atl2_avg_mean vs Slug



Right In: 2756.337+/-1156.322 χ^2/NDF: 25.7/24

Left Out: 2138.140+/-1324.387 χ^2/NDF:30.7/23

Right Out: -3713.979+/-1091.832 χ^2/NDF: 38.0/29

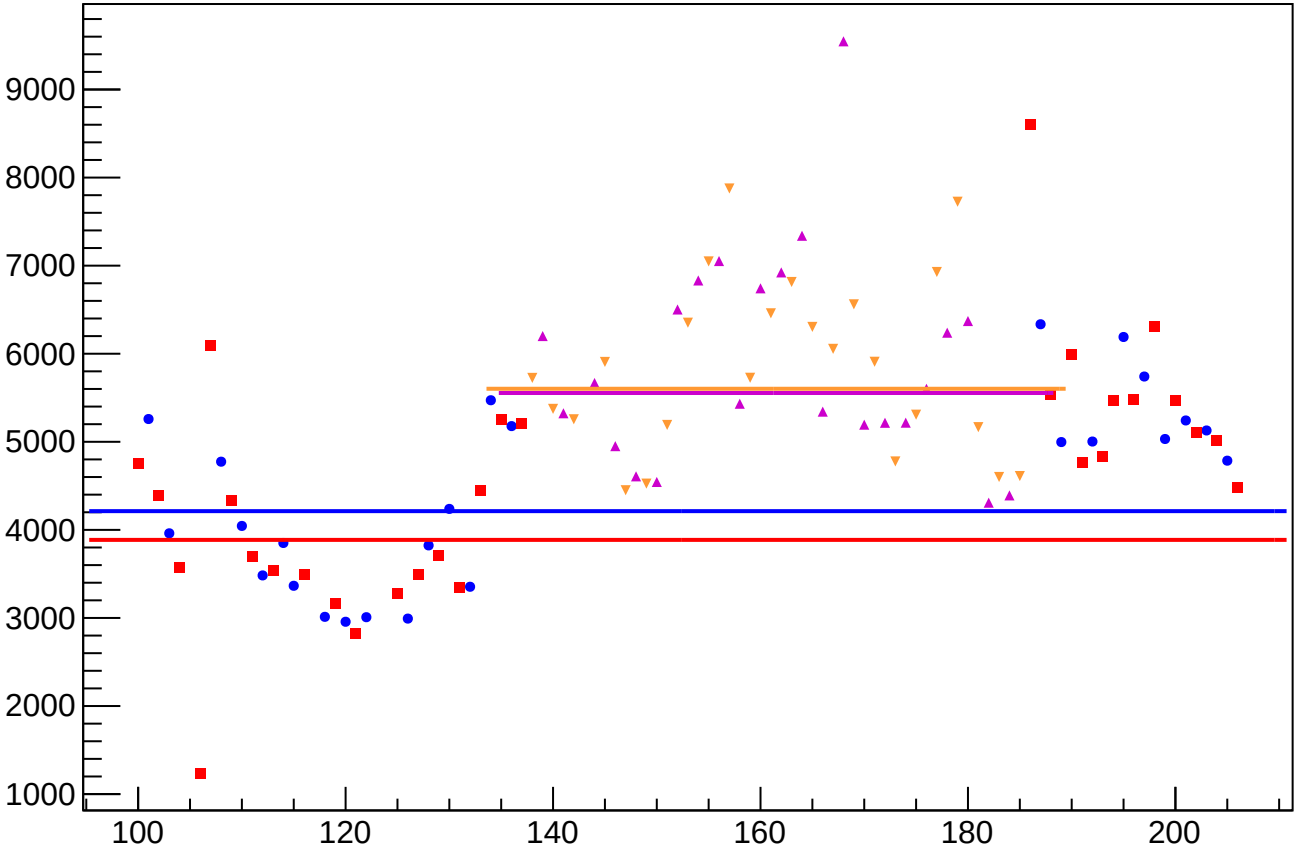
Left In: -2428.059+/-1321.080 χ^2/NDF:12.9/22

+ sign 2488.929+/-871.041 χ^2/NDF: 56.5/48

All: -449.206+/-605.243 χ^2/NDF: 129.9/101

- sign -3192.099+/-841.603 χ^2/NDF: 51.4/52

asym_usl_atl2_avg_rms vs Slug



Right In: 4212.707+/-0.818 χ^2/NDF: 1465818.7/24

Left Out: 5602.266+/-0.936 χ^2/NDF:940451.0/23

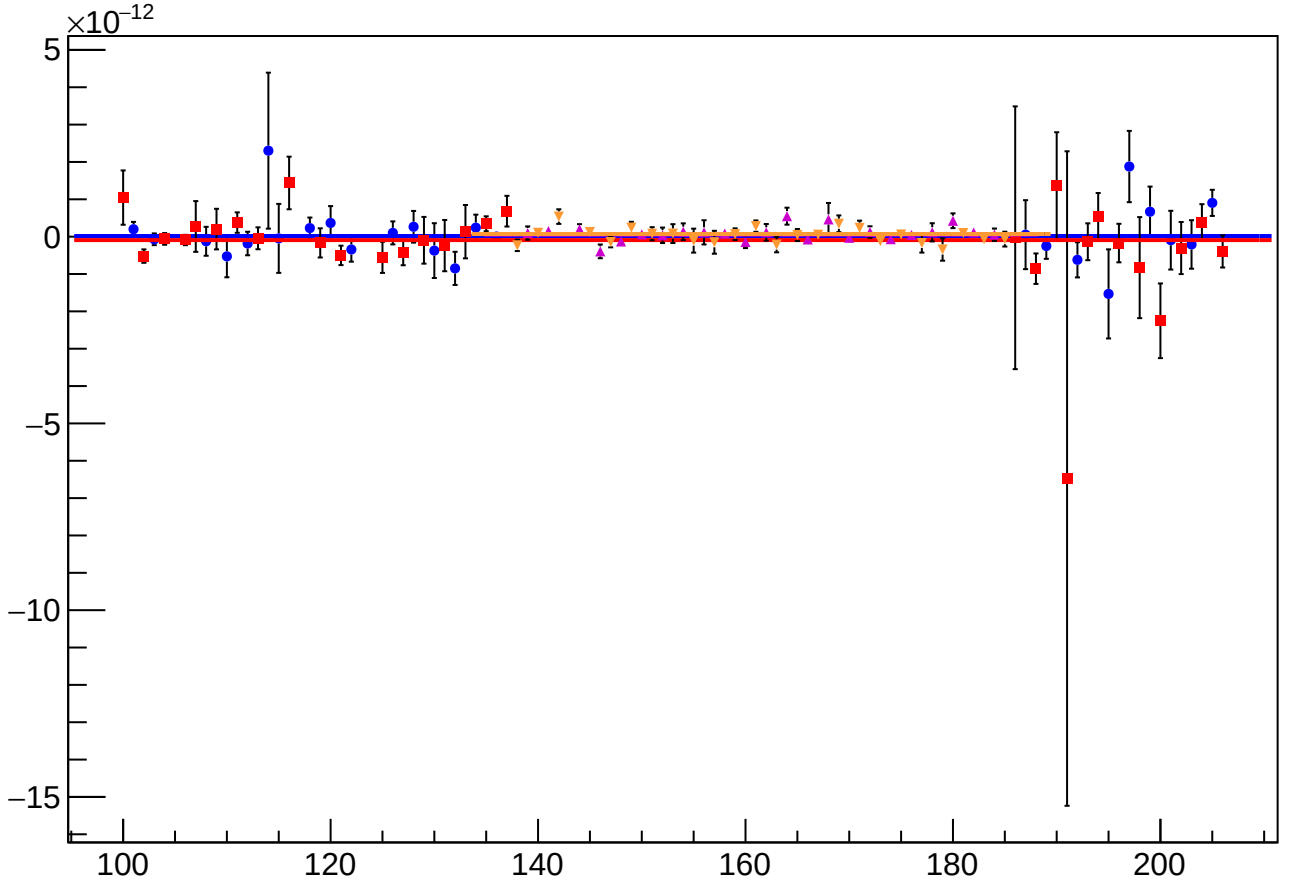
Right Out: 3886.375+/-0.730 χ^2/NDF: 3697951.2/29

Left In: 5554.054+/-0.934 χ^2/NDF:1112177.4/22

+ sign 4813.774+/-0.616 χ^2/NDF: 3655590.7/48

All: 4655.861+/-0.420 χ^2/NDF: 10568308.2/1

- sign 4518.232+/-0.575 χ^2/NDF: 6789692.8/52



Right In: 0.000+/-0.000 χ^2/NDF: 26.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.3/23

Right Out: -0.000+/-0.000 χ^2/NDF: 42.2/29

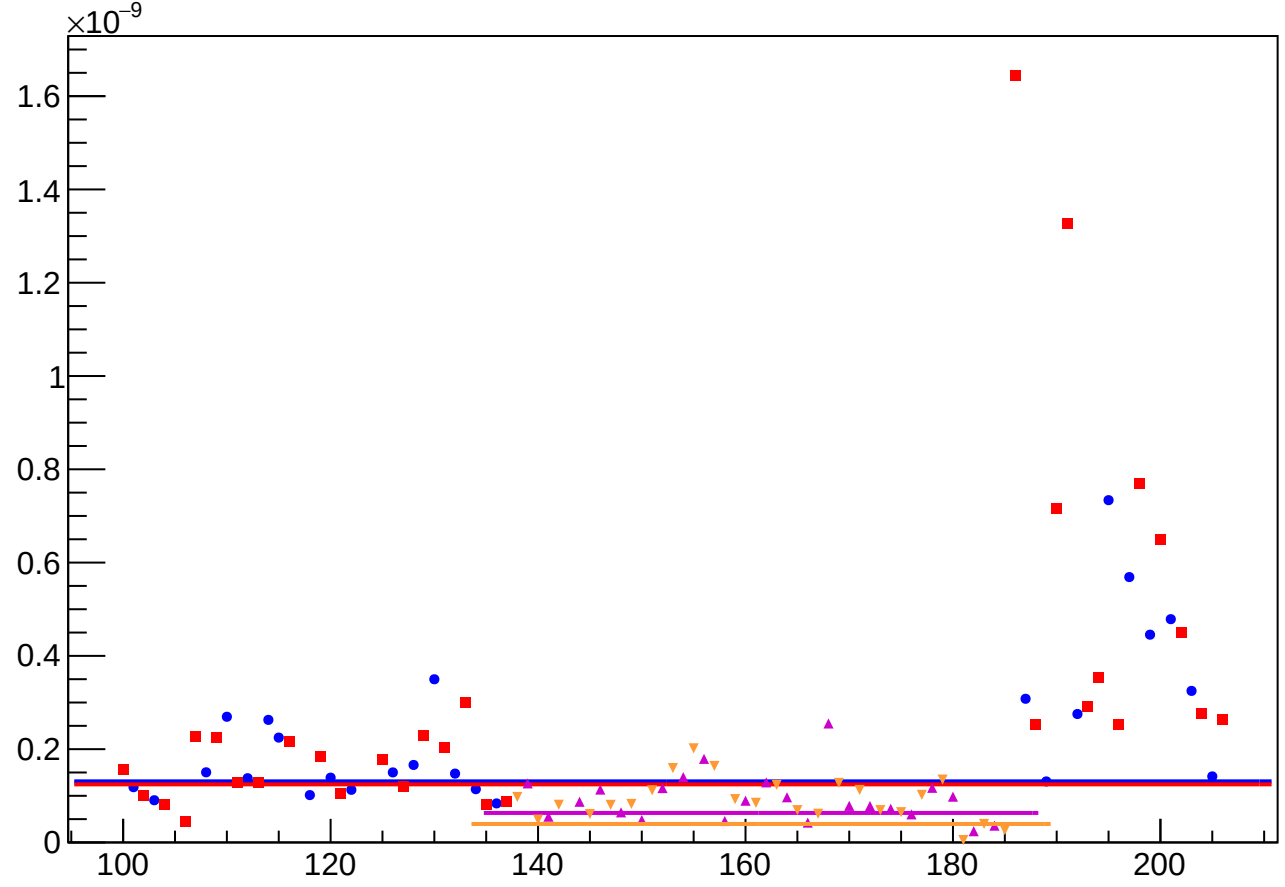
Left In: 0.000+/-0.000 χ^2/NDF:25.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.5/48

All: 0.000+/-0.000 χ^2/NDF: 128.9/101

- sign 0.000+/-0.000 χ^2/NDF: 72.2/52

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 2984177.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:6954816.0/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4809526.6/29

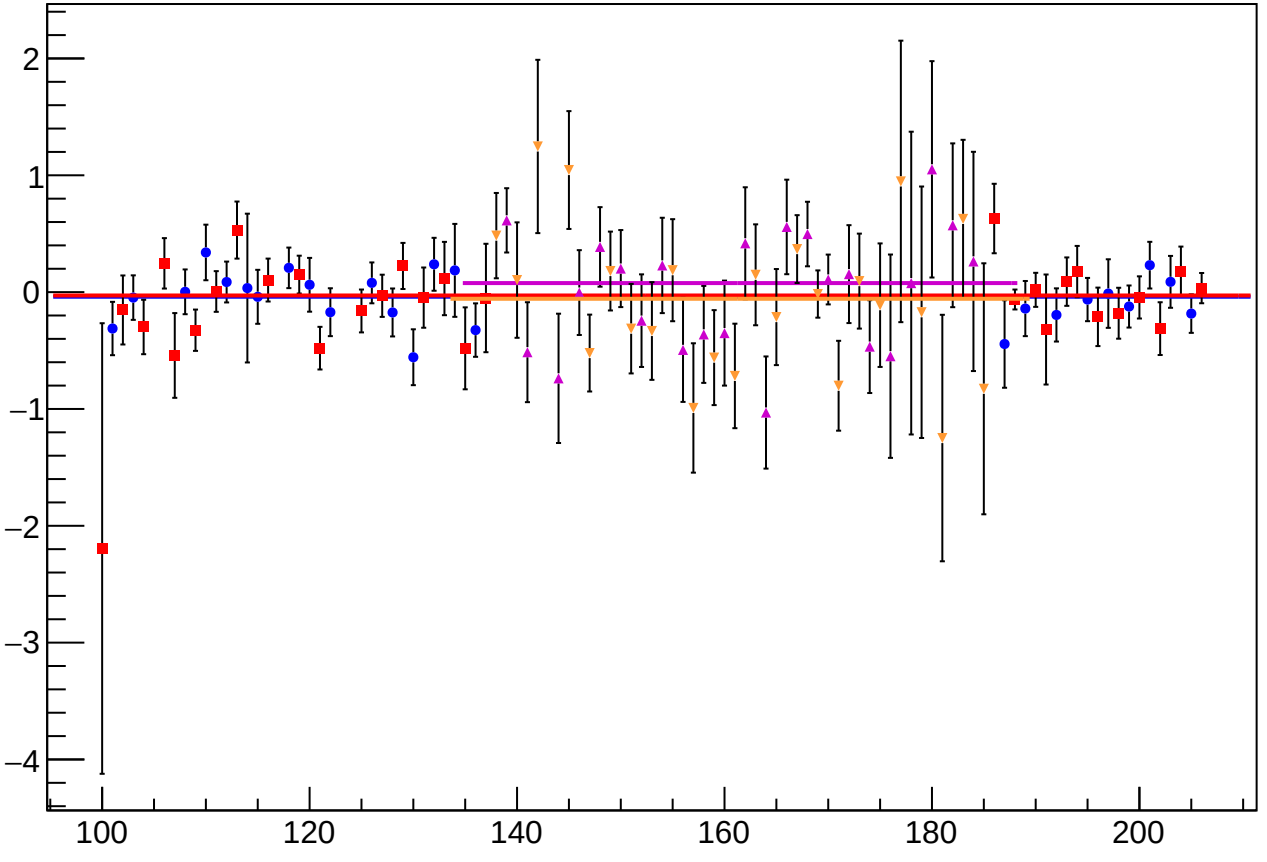
Left In: 0.000+/-0.000 χ^2/NDF:2922990.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 13417098.8/48

All: 0.000+/-0.000 χ^2/NDF: 23909679.2/101

- sign 0.000+/-0.000 χ^2/NDF: 9364968.7/52

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

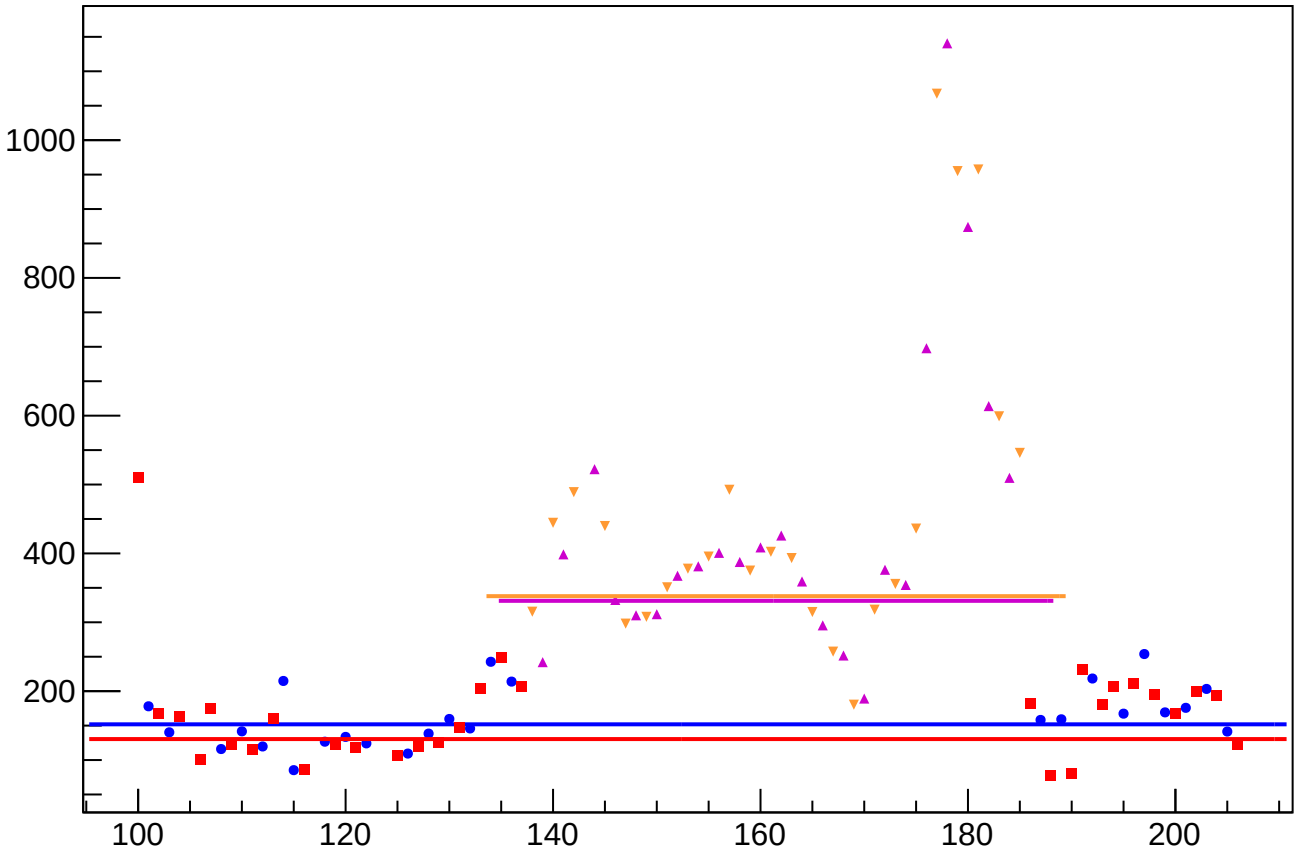
Right Out: -0.029+/-0.036 χ^2/NDF: 37.0/29

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.043+/-0.038 χ^2/NDF: 51.6/48

All: -0.025+/-0.025 χ^2/NDF: 117.3/101

- sign -0.012+/-0.033 χ^2/NDF: 65.4/52



Right In: 151.859+/-0.030 χ^2/NDF: 1425075.7/24

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

Right Out: 130.449+/-0.025 χ^2/NDF: 3206602.7/29

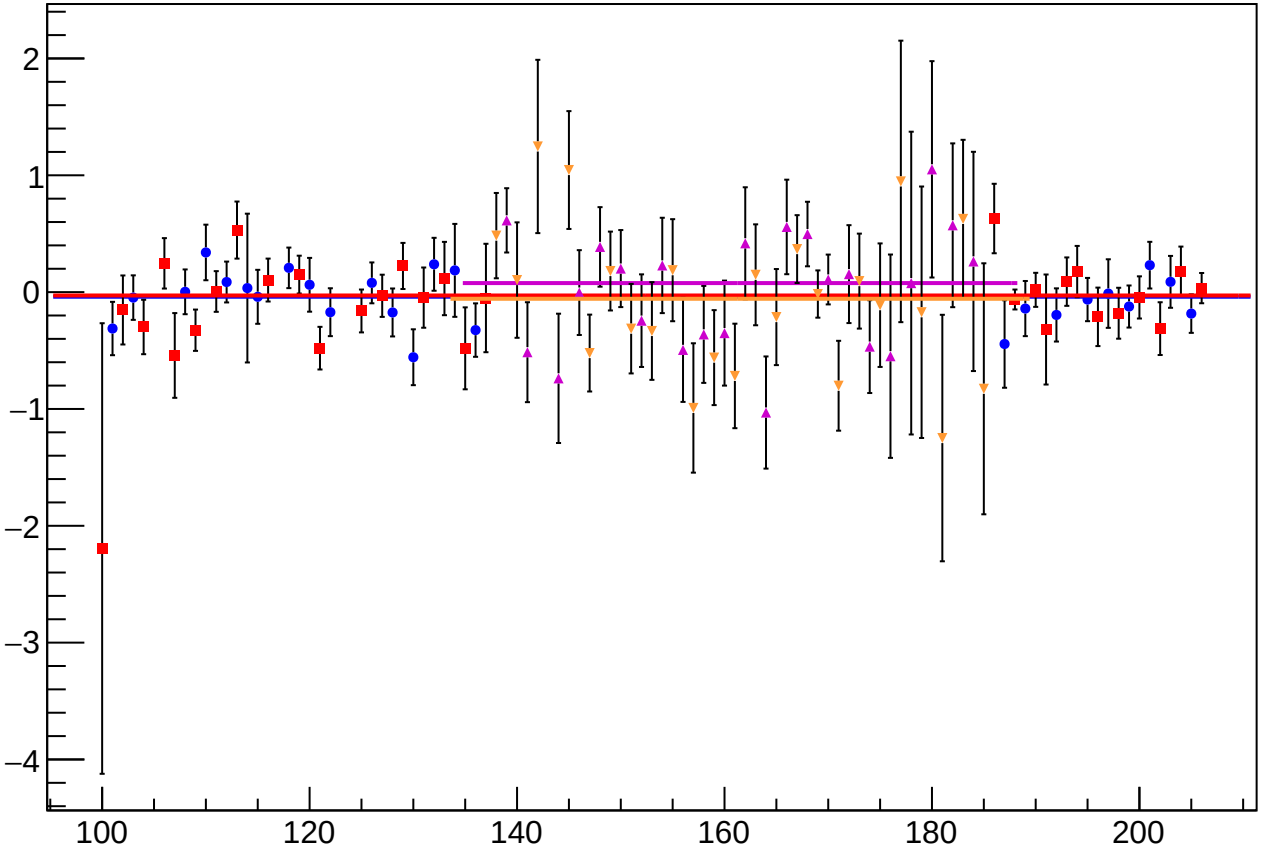
Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 189.582+/-0.027 χ^2/NDF: 13501829.8/48

All: 173.545+/-0.018 χ^2/NDF: 31189485.1/10

- sign 161.781+/-0.023 χ^2/NDF: 17085398.1/52

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

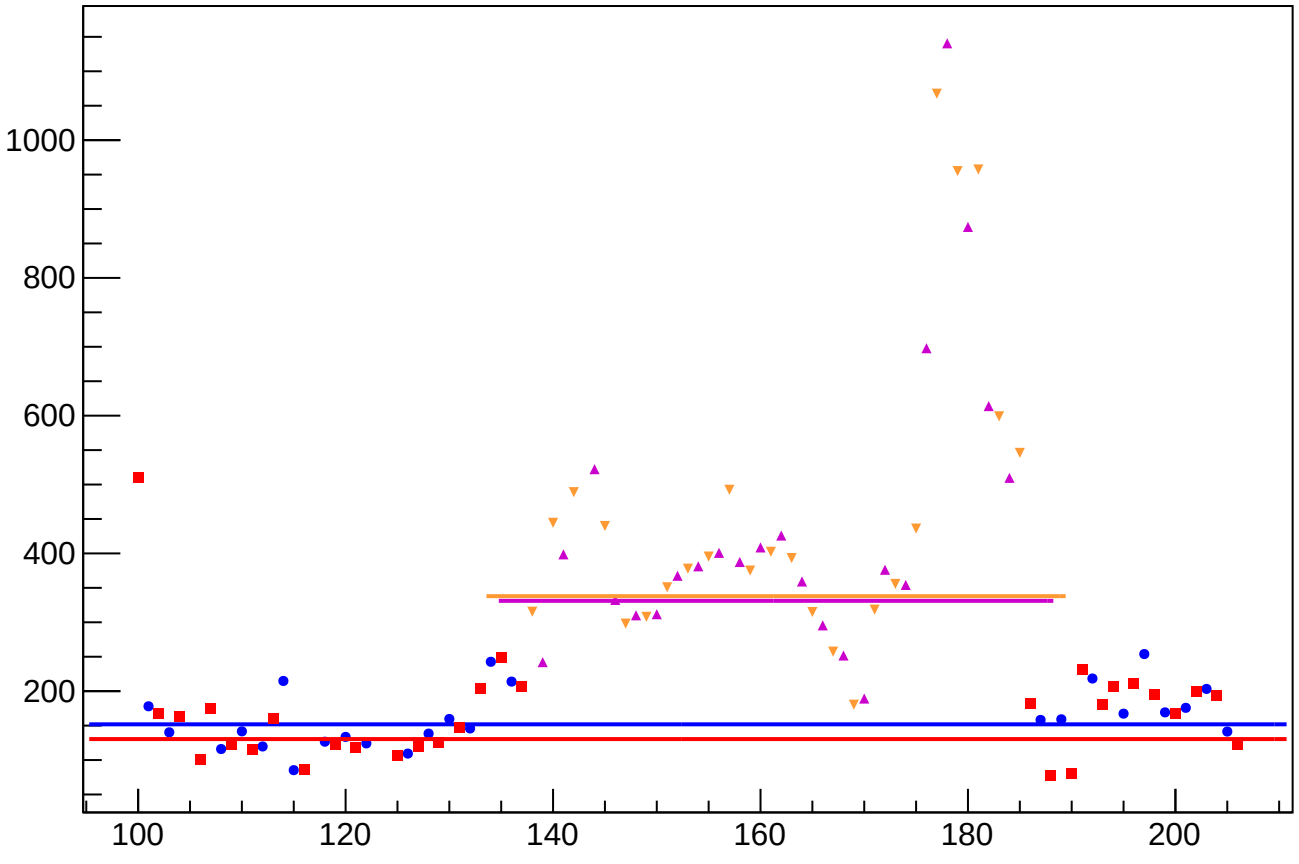
Right Out: -0.029+/-0.036 χ^2/NDF: 37.0/29

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.043+/-0.038 χ^2/NDF: 51.6/48

All: -0.025+/-0.025 χ^2/NDF: 117.3/101

- sign -0.012+/-0.033 χ^2/NDF: 65.4/52



Right In: 151.859+/-0.030 χ^2/NDF: 1425075.7/24

Left Out: 337.937+/-0.060 χ^2/NDF:4517129.8/23

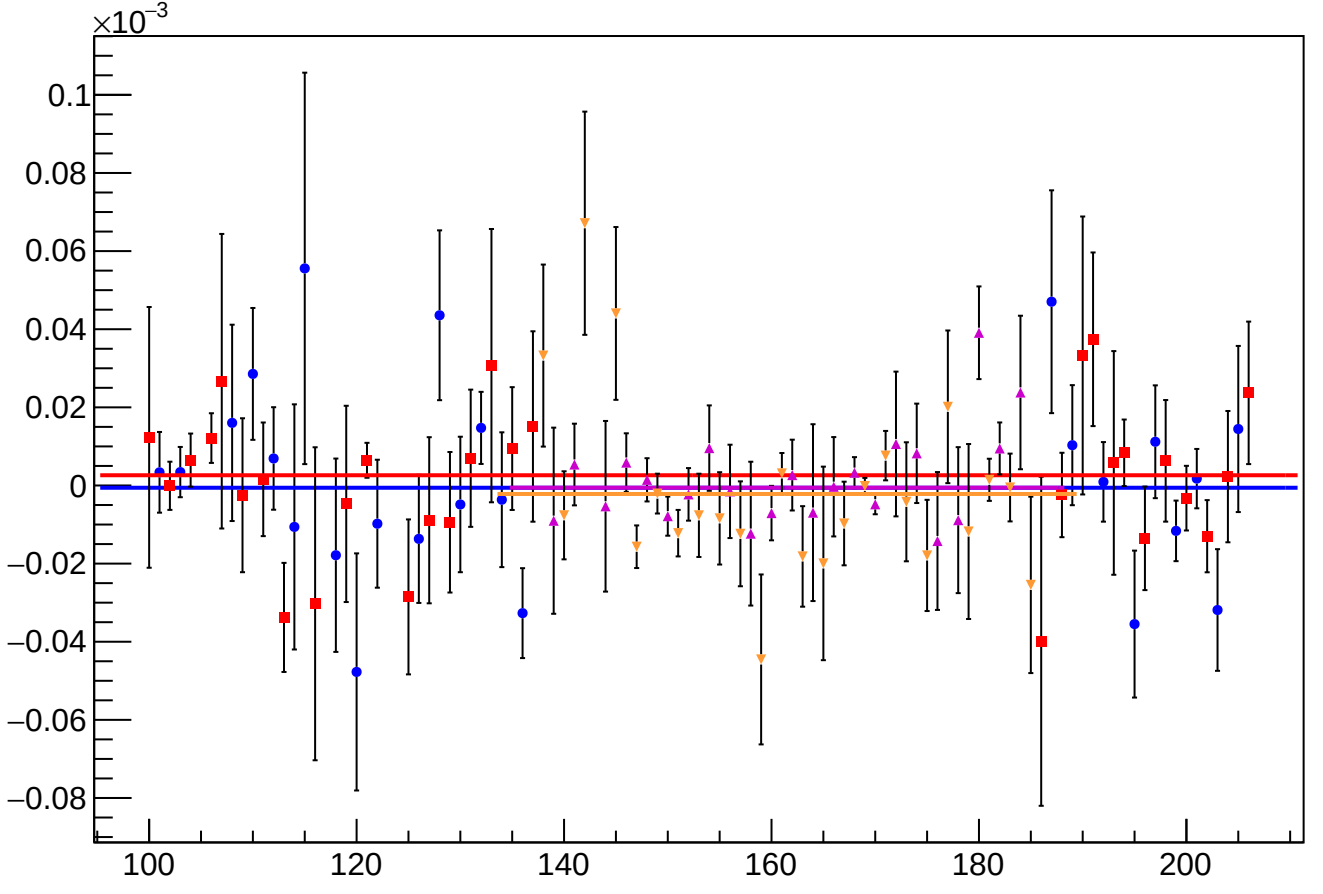
Right Out: 130.449+/-0.025 χ^2/NDF: 3206602.7/29

Left In: 331.158+/-0.059 χ^2/NDF:4106959.8/22

+ sign 189.582+/-0.027 χ^2/NDF: 13501829.8/48

All: 173.545+/-0.018 χ^2/NDF: 31189485.1/10

- sign 161.781+/-0.023 χ^2/NDF: 17085398.1/52



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:37.9/23

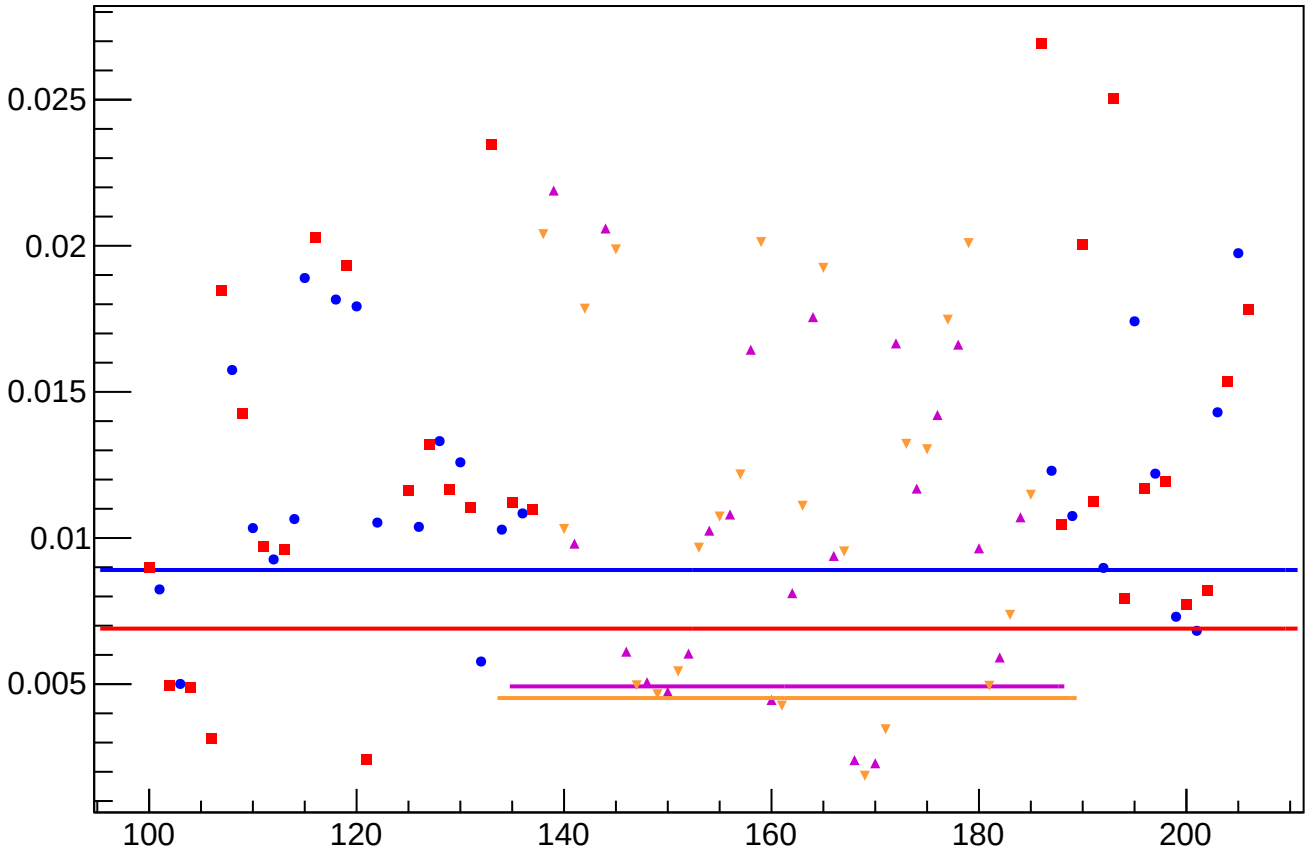
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/29

Left In: -0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 76.5/48

All: -0.000+/-0.000 χ^2/NDF: 133.2/101

- sign 0.000+/-0.000 χ^2/NDF: 54.9/52



Right In: 0.009+/-0.000 χ^2/NDF: 3523003.1/24

Left Out: 0.005+/-0.000 χ^2/NDF:14239550.6/23

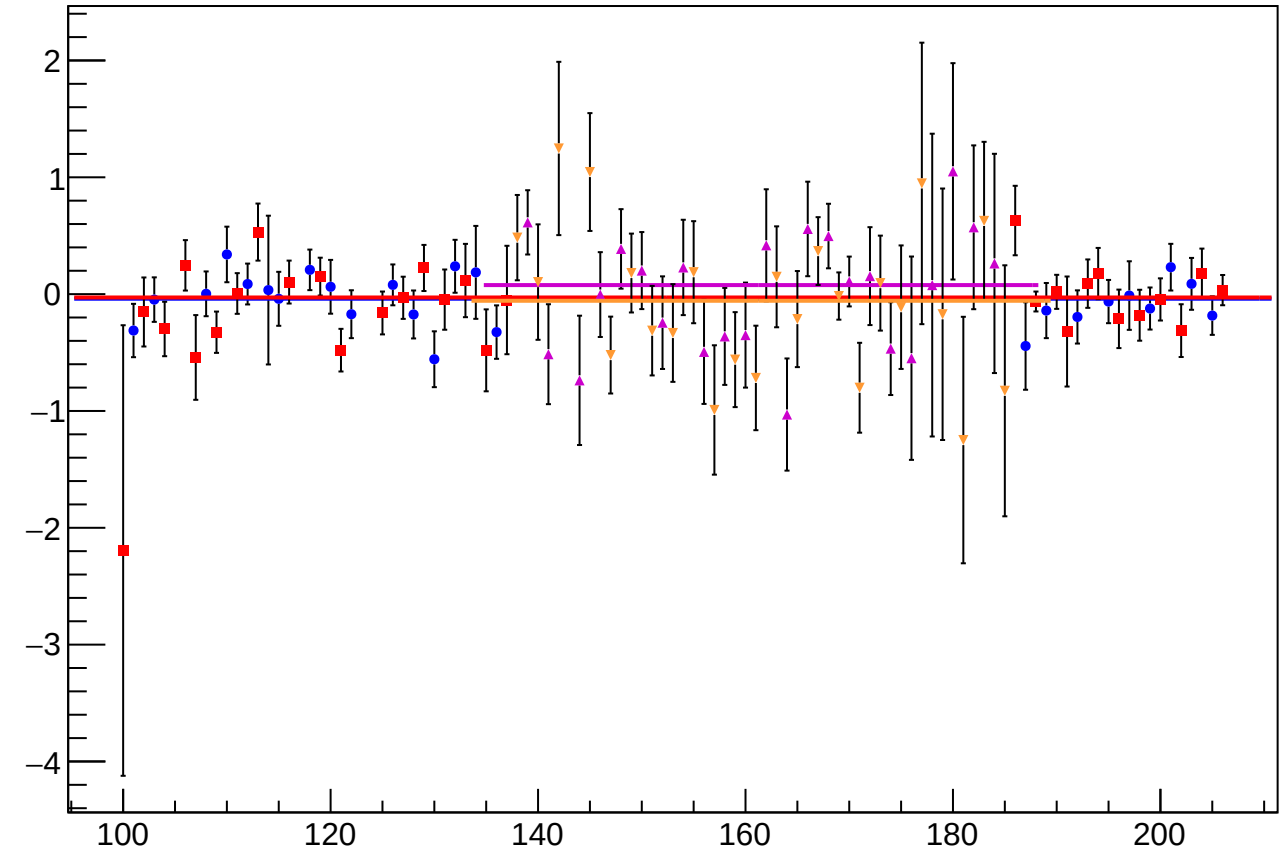
Right Out: 0.007+/-0.000 χ^2/NDF: 9221115.9/29

Left In: 0.005+/-0.000 χ^2/NDF:11626984.8/22

+ sign 0.006+/-0.000 χ^2/NDF: 22146343.2/48

All: 0.006+/-0.000 χ^2/NDF: 44174753.6/101

- sign 0.006+/-0.000 χ^2/NDF: 22024106.5/52



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

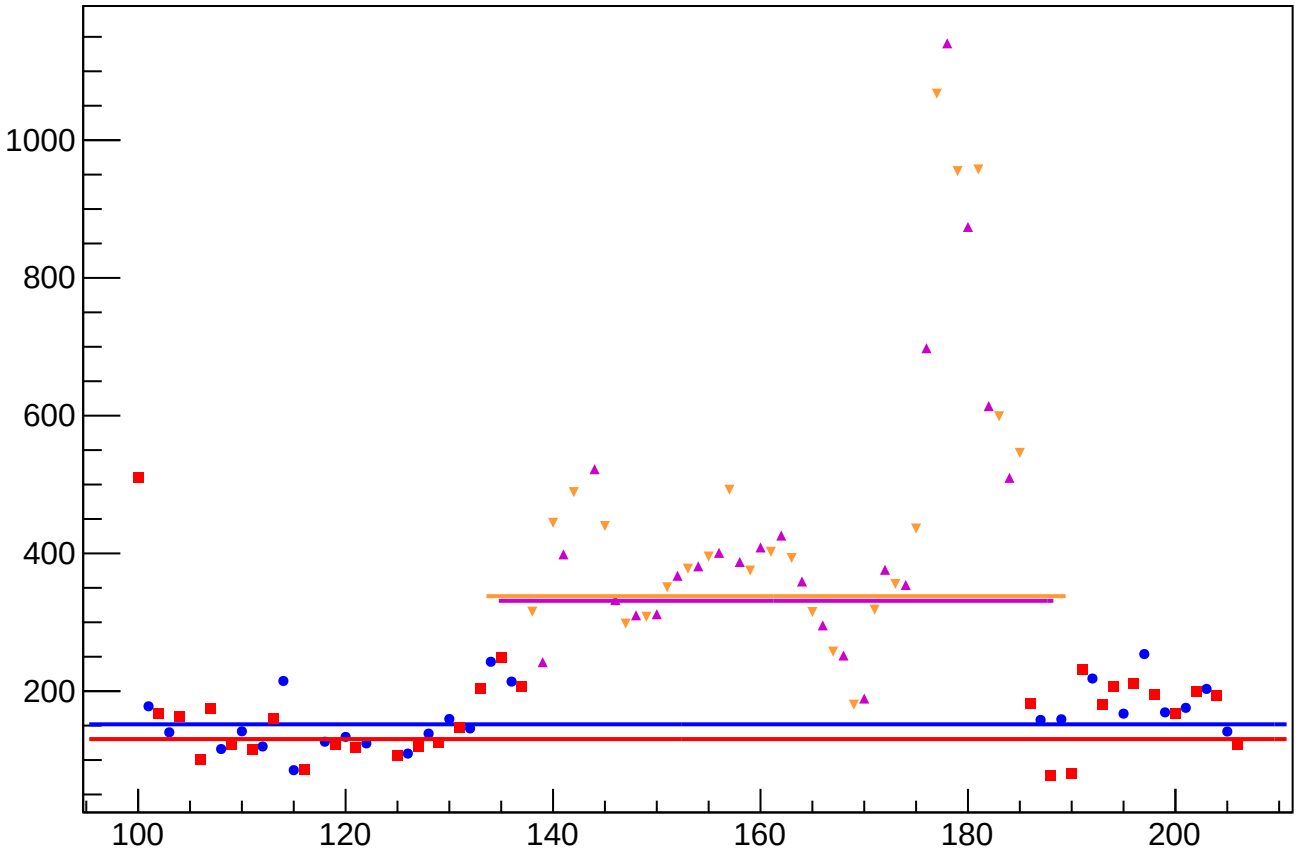
Right Out: -0.029+/-0.036 χ^2/NDF: 37.0/29

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.043+/-0.038 χ^2/NDF: 51.6/48

All: -0.025+/-0.025 χ^2/NDF: 117.3/101

- sign -0.012+/-0.033 χ^2/NDF: 65.4/52



Right In: 151.859+/-0.030 χ^2/NDF: 1425069.5/24

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

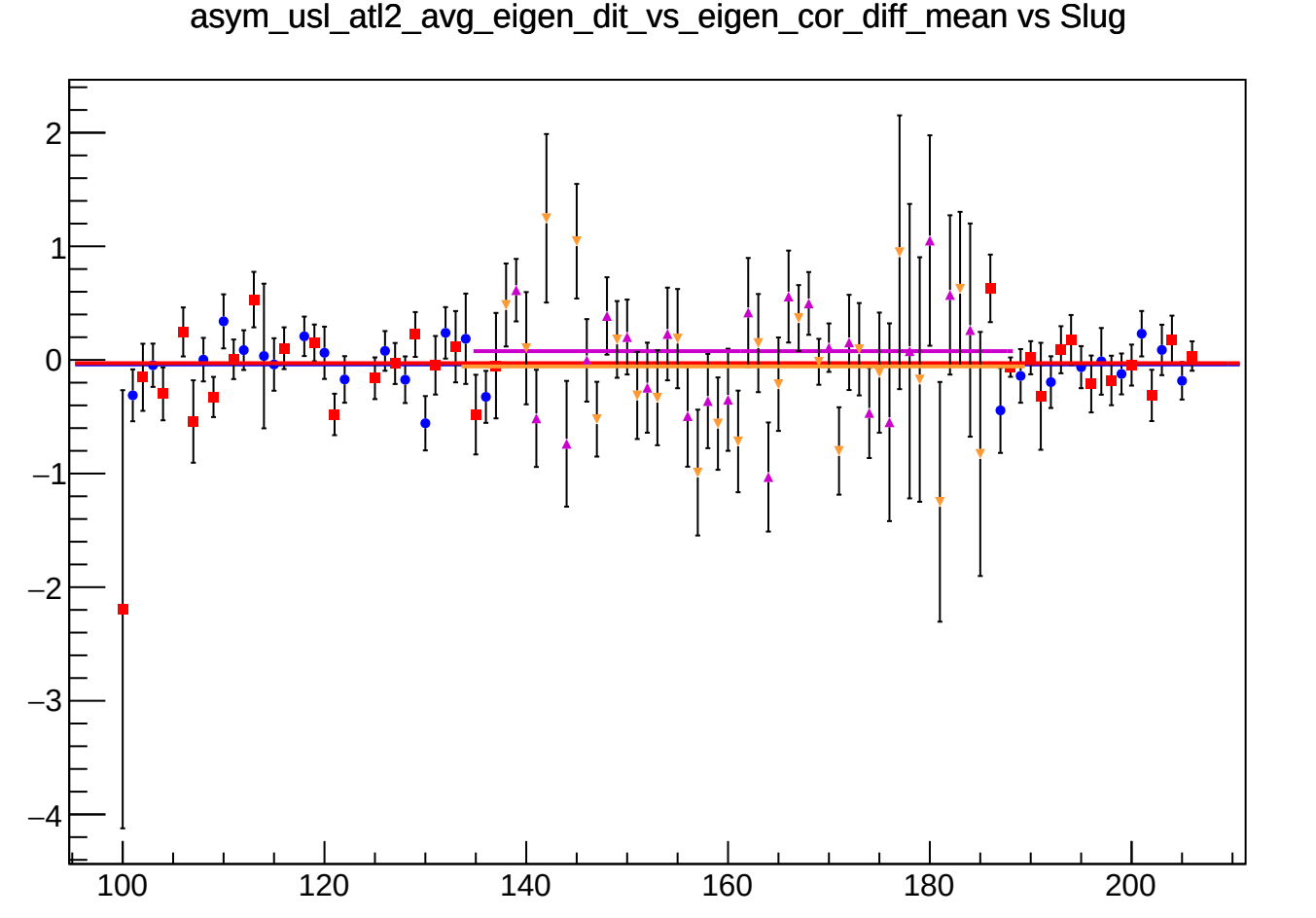
Right Out: 130.448+/-0.025 χ^2/NDF: 3206779.3/29

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 189.582+/-0.027 χ^2/NDF: 13501956.1/48

All: 173.544+/-0.018 χ^2/NDF: 31190135.9/10

- sign 161.779+/-0.023 χ^2/NDF: 17085854.2/52



Right In: -0.039+/-0.043 χ^2/NDF: 21.1/24

Left Out: -0.057+/-0.085 χ^2/NDF:30.4/23

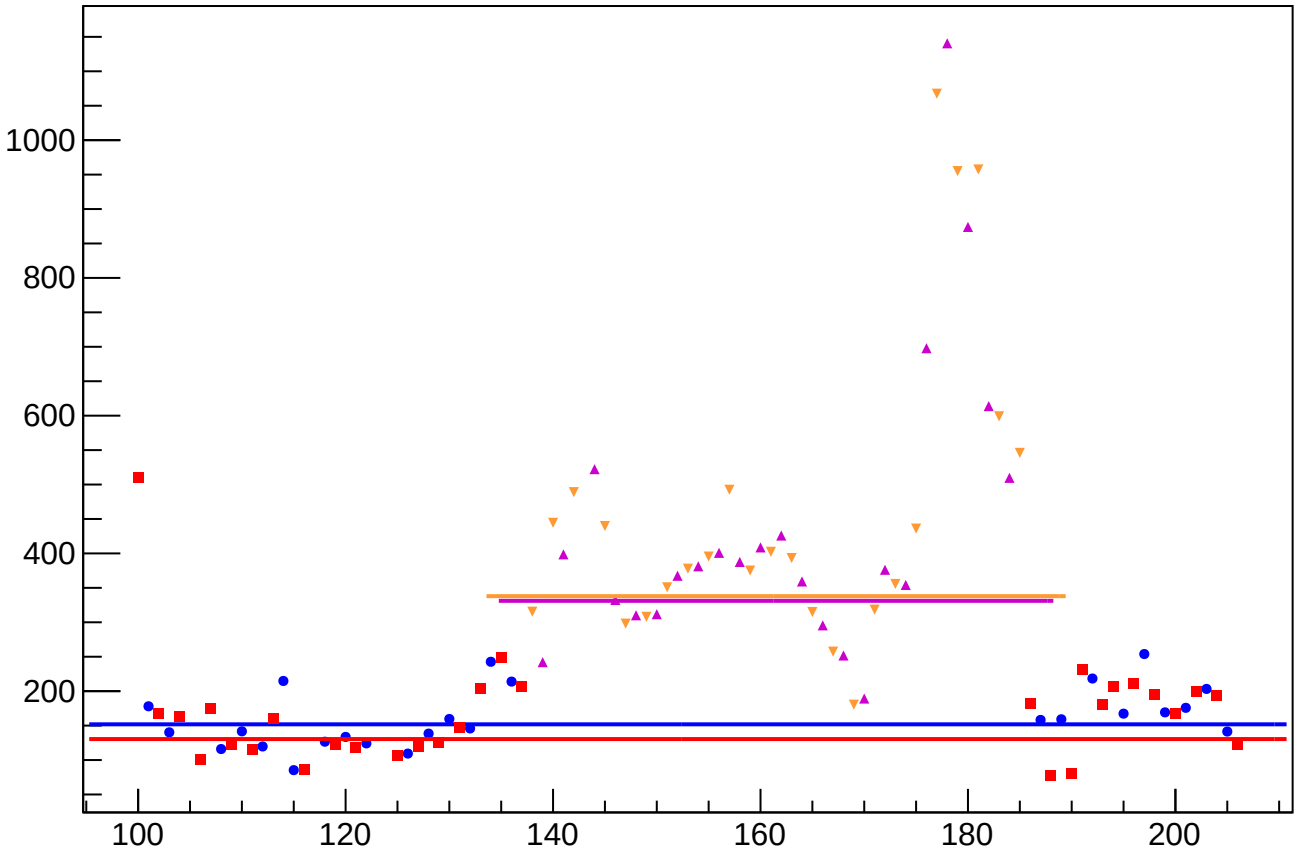
Right Out: -0.029+/-0.036 χ^2/NDF: 37.0/29

Left In: 0.077+/-0.083 χ^2/NDF:27.0/22

+ sign -0.043+/-0.038 χ^2/NDF: 51.6/48

All: -0.025+/-0.025 χ^2/NDF: 117.3/101

- sign -0.012+/-0.033 χ^2/NDF: 65.4/52



Right In: 151.859+/-0.030 χ^2/NDF: 1425069.5/24

Left Out: 337.939+/-0.060 χ^2/NDF:4517201.8/23

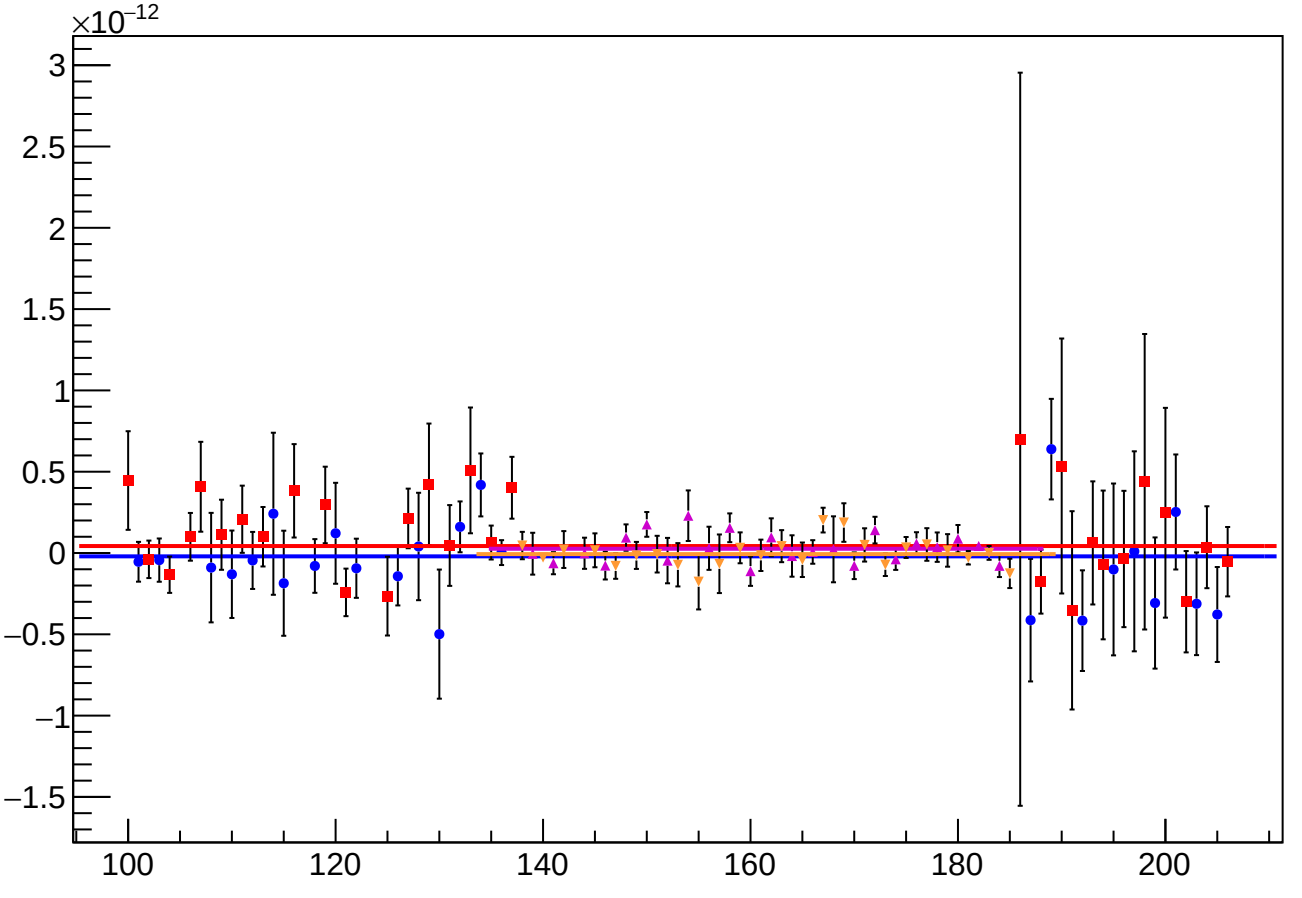
Right Out: 130.448+/-0.025 χ^2/NDF: 3206779.3/29

Left In: 331.161+/-0.059 χ^2/NDF:4106963.1/22

+ sign 189.582+/-0.027 χ^2/NDF: 13501956.1/48

All: 173.544+/-0.018 χ^2/NDF: 31190135.9/10

- sign 161.779+/-0.023 χ^2/NDF: 17085854.2/52



Right In: -0.000+/-0.000 χ^2/NDF: 20.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:18.1/23

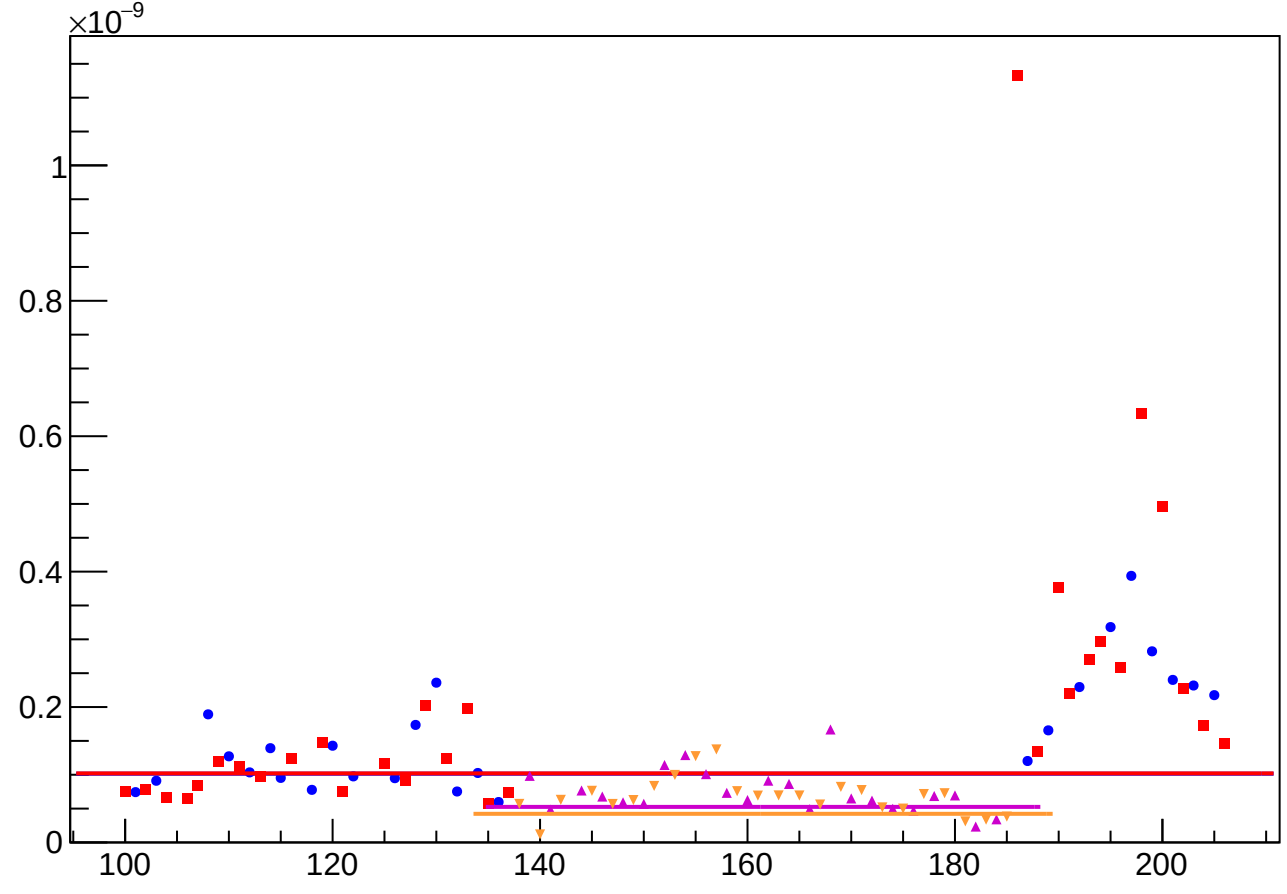
Right Out: 0.000+/-0.000 χ^2/NDF: 26.3/29

Left In: 0.000+/-0.000 χ^2/NDF:22.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.9/48

All: 0.000+/-0.000 χ^2/NDF: 91.6/101

- sign 0.000+/-0.000 χ^2/NDF: 49.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 3921856.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:6680117.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5133090.7/29

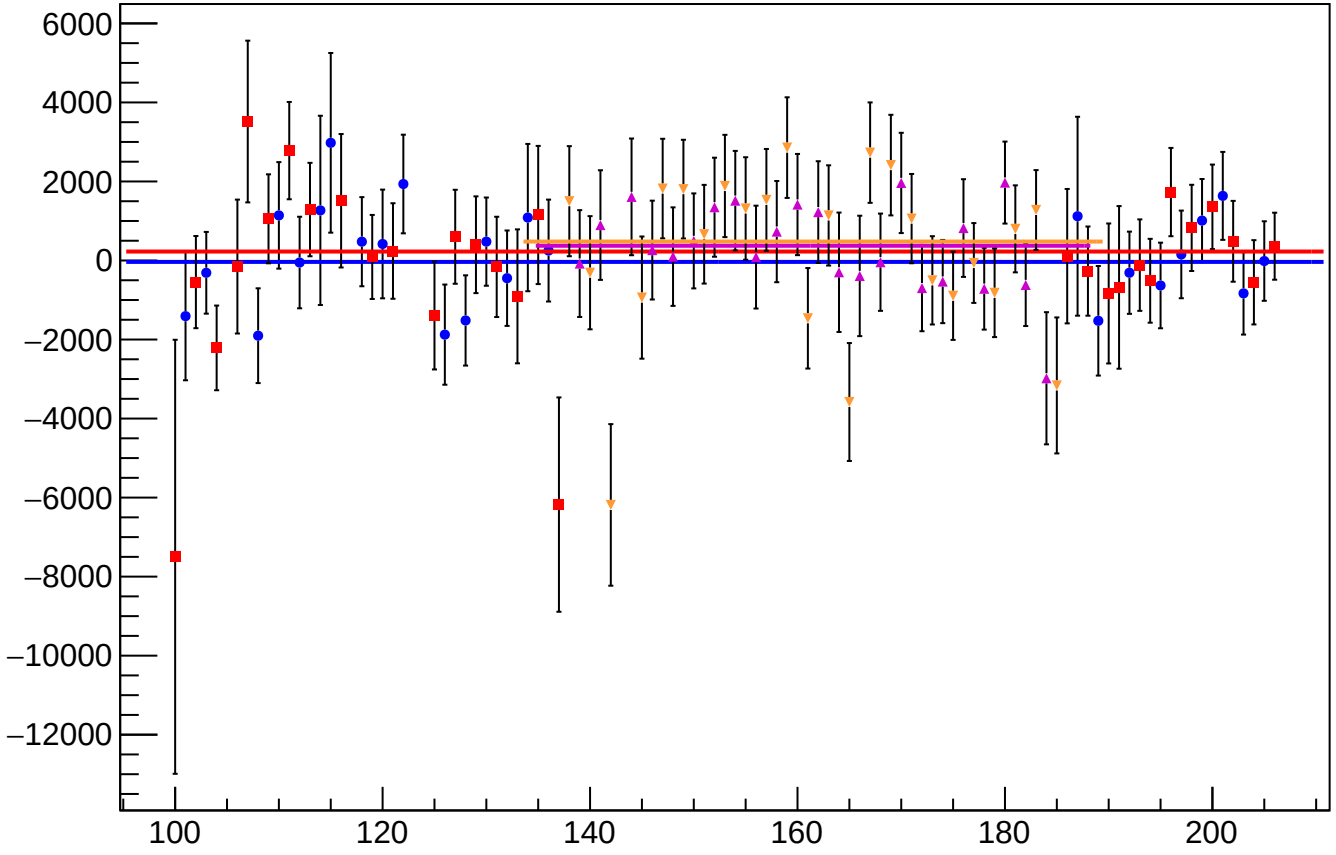
Left In: 0.000+/-0.000 χ^2/NDF:4897147.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 14487667.3/48

All: 0.000+/-0.000 χ^2/NDF: 27910379.7/101

- sign 0.000+/-0.000 χ^2/NDF: 12836183.0/52

reg_asym_usl_atl2_dd_mean vs Slug



Right In: -35.486+/-247.839 χ^2/NDF: 19.0/24

Left Out: 479.555+/-256.330 χ^2/NDF:45.2/23

Right Out: 226.652+/-231.139 χ^2/NDF: 29.6/29

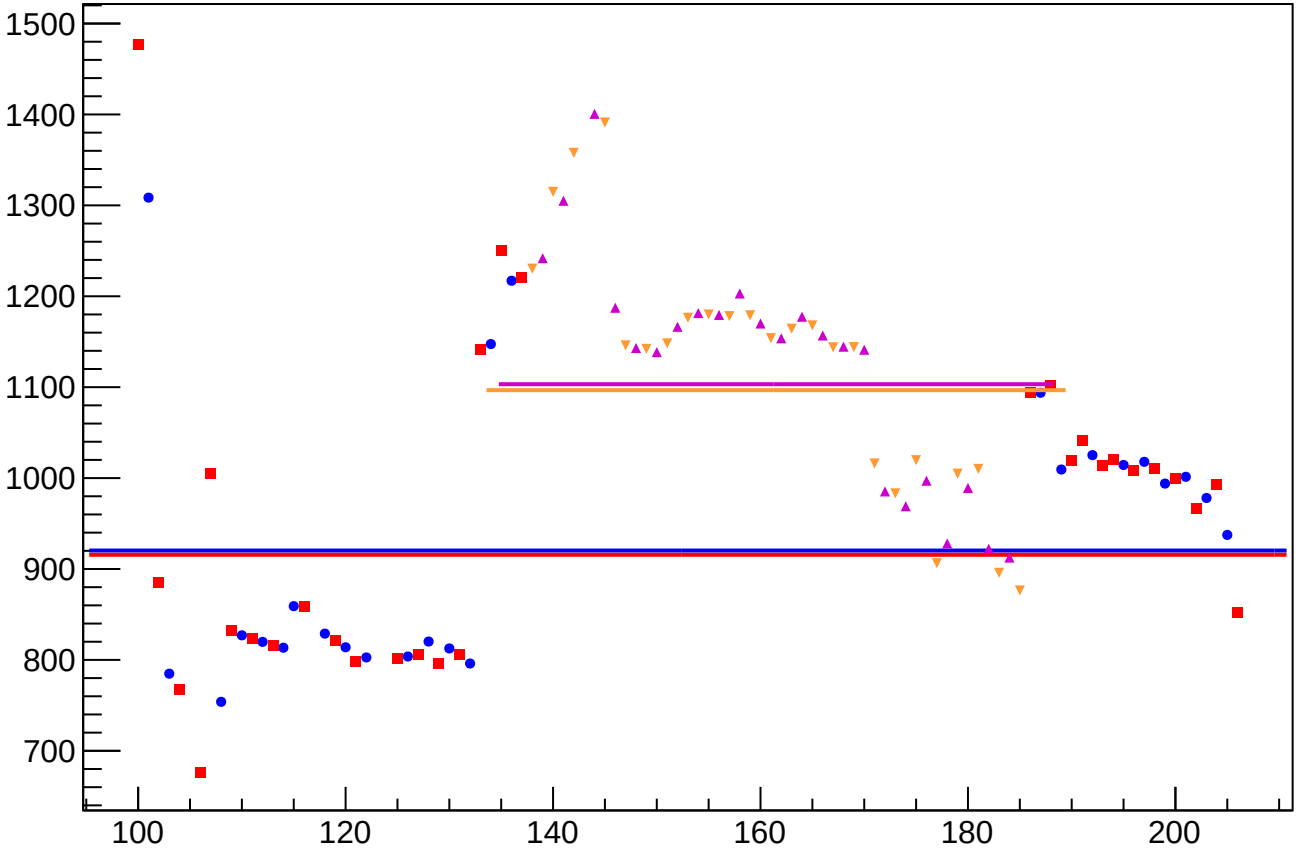
Left In: 372.926+/-259.314 χ^2/NDF:16.0/22

\+ sign 213.363+/-178.175 χ^2/NDF: 66.2/48

All: 253.641+/-123.950 χ^2/NDF: 112.1/101

\- sign 291.414+/-172.544 χ^2/NDF: 45.8/52

reg_asym_usl_atl2_dd_rms vs Slug



Right In: 920.315+/-0.175 χ^2/NDF: 563668.8/24

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 915.654+/-0.162 χ^2/NDF: 597819.9/29

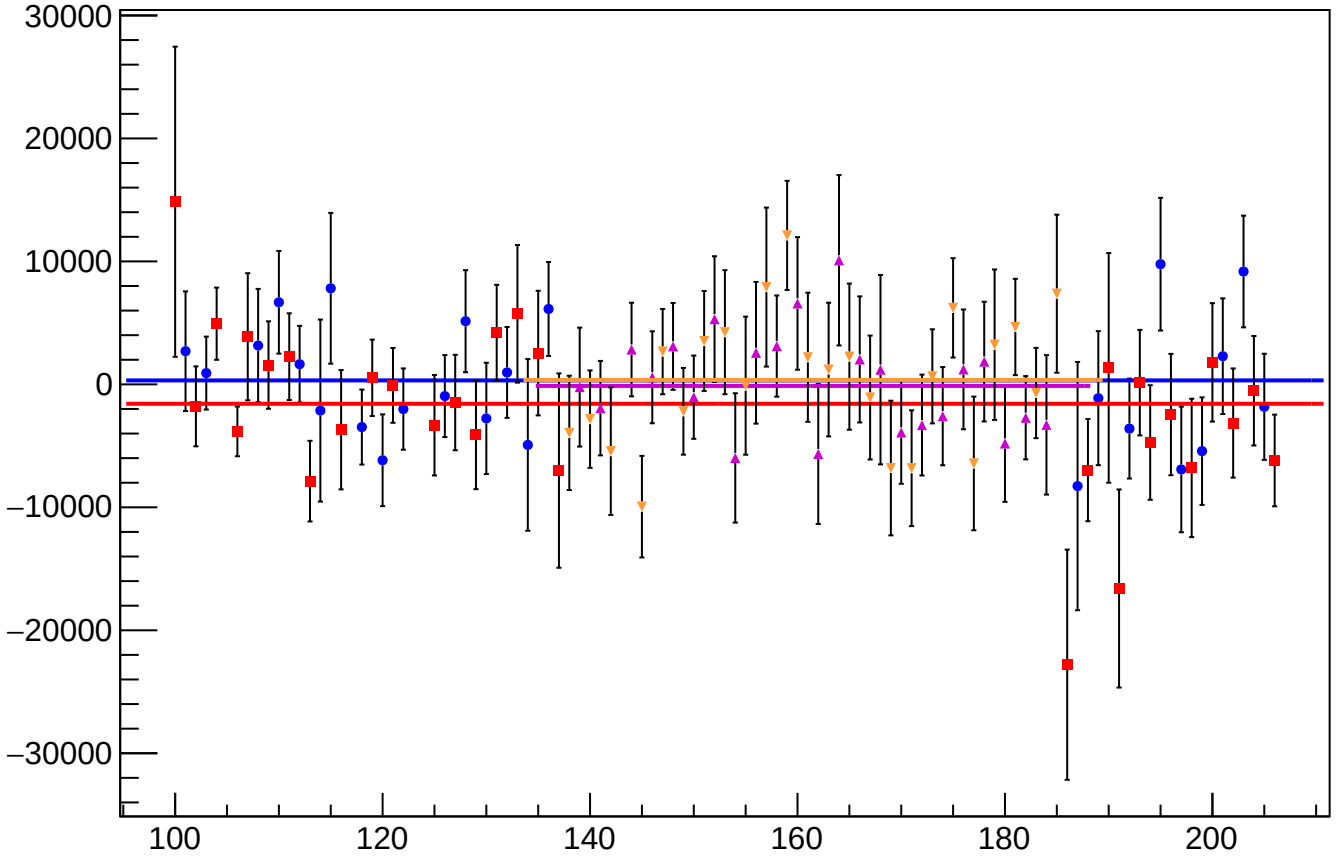
Left In: 1103.281+/-0.183 χ^2/NDF:447540.4/22

+ sign 1005.543+/-0.126 χ^2/NDF: 1533677.8/48

All: 1001.703+/-0.087 χ^2/NDF: 3167640.1/10

- sign 998.127+/-0.122 χ^2/NDF: 1632167.9/52

asym_usl_atl2_dd_reg_correction_mean vs Slug



Right In: 321.800+/-840.677 χ^2/NDF: 27.5/24

Left Out: 357.729+/-934.220 χ^2/NDF:30.3/23

Right Out: -1577.546+/-740.804 χ^2/NDF: 35.2/29

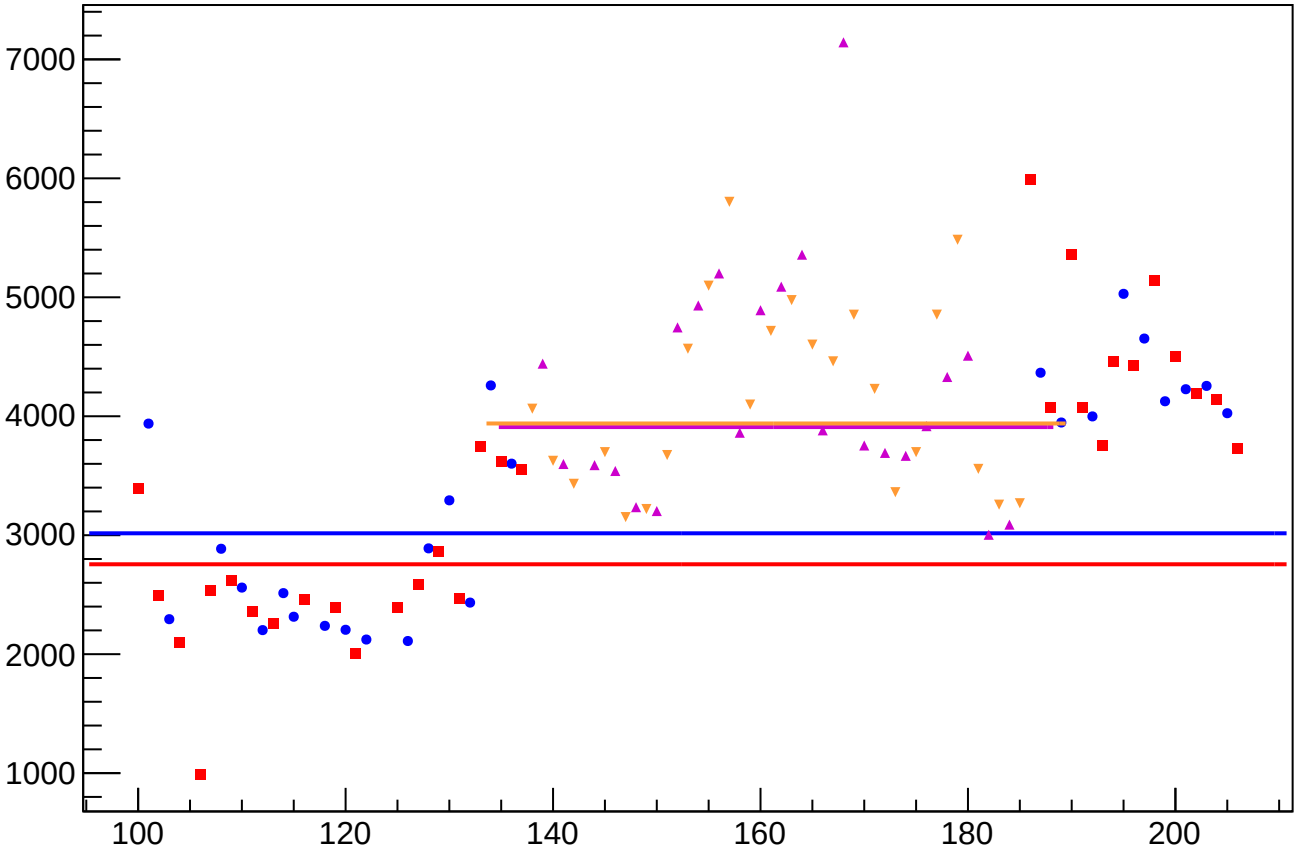
Left In: -126.696+/-932.645 χ^2/NDF:13.8/22

+ sign 337.876+/-624.911 χ^2/NDF: 57.7/48

All: -389.517+/-425.144 χ^2/NDF: 110.7/101

- sign -1016.287+/-580.079 χ^2/NDF: 50.4/52

asym_usl_atl2_dd_reg_correction_rms vs Slug



Right In: 3016.101+/-0.594 χ^2/NDF: 2290411.3/24

Left Out: 3939.261+/-0.661 χ^2/NDF:1092666.9/23

Right Out: 2755.701+/-0.524 χ^2/NDF: 4469058.7/29

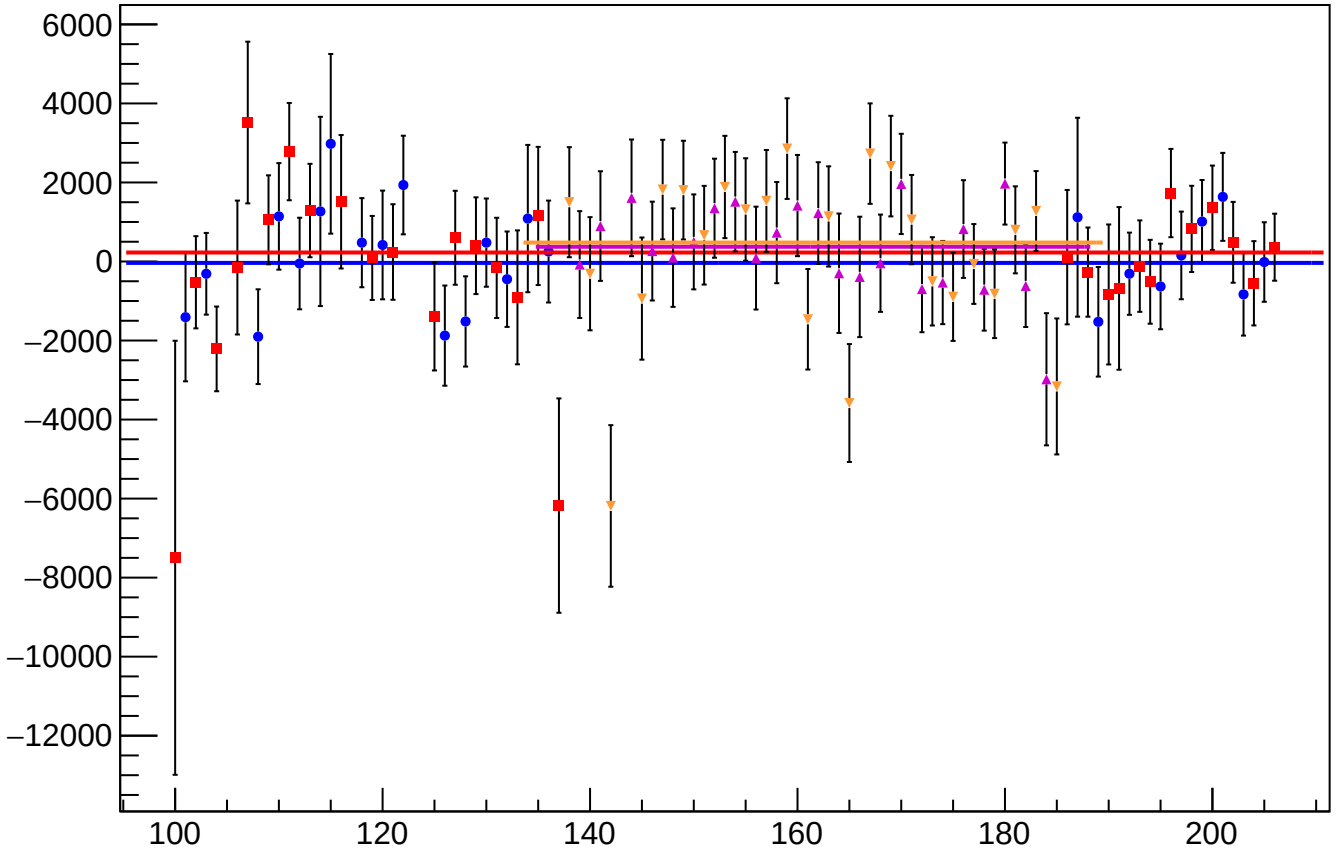
Left In: 3909.133+/-0.659 χ^2/NDF:1300774.2/22

+ sign 3429.162+/-0.442 χ^2/NDF: 4462182.4/48

All: 3307.090+/-0.301 χ^2/NDF: 12249730.4/1

- sign 3201.905+/-0.410 χ^2/NDF: 7645469.6/52

cor_asym_usl_atl2_dd_mean vs Slug



Right In: -35.486+/-247.839 χ^2/NDF: 19.0/24

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 227.507+/-231.141 χ^2/NDF: 29.6/29

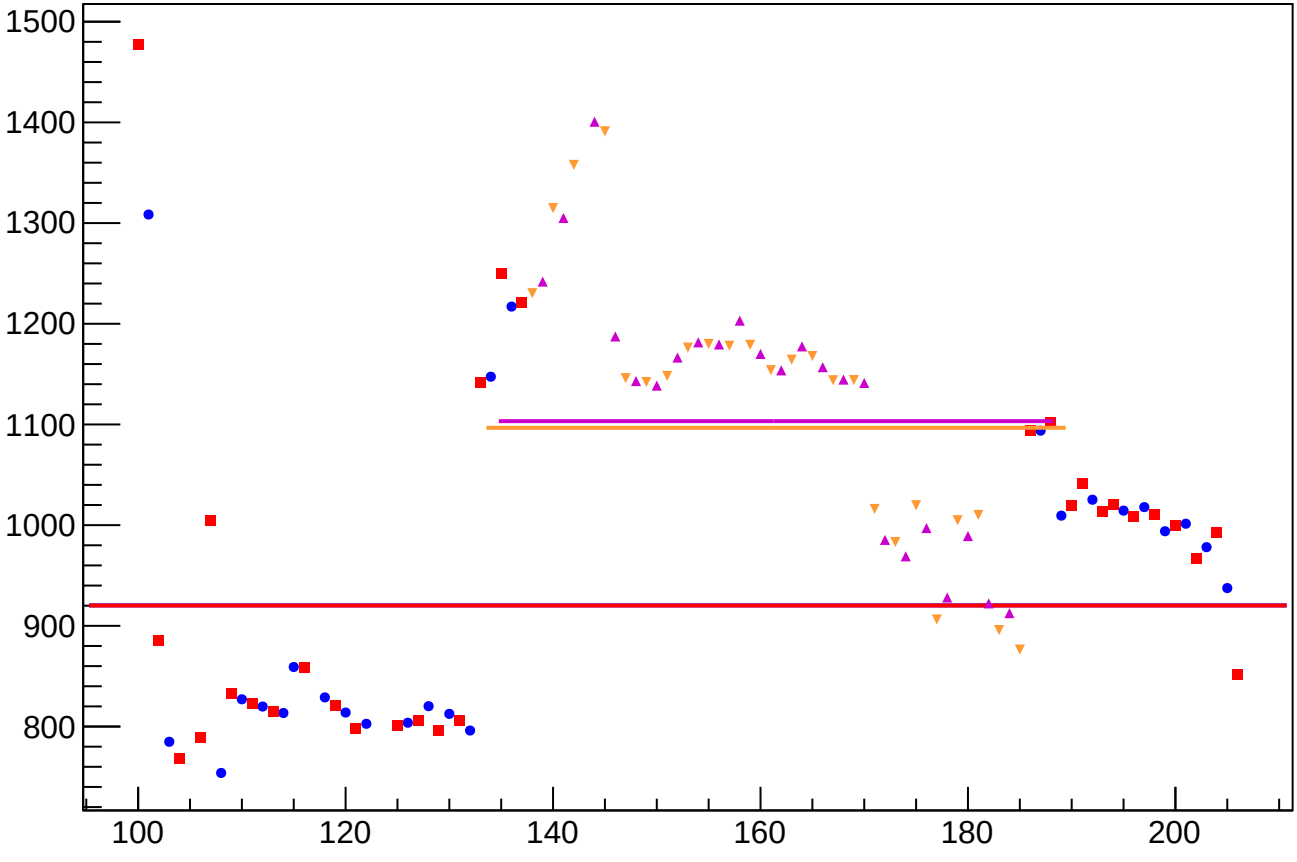
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 213.377+/-178.175 χ^2/NDF: 66.2/48

All: 253.888+/-123.950 χ^2/NDF: 112.1/101

- sign 291.880+/-172.545 χ^2/NDF: 45.8/52

cor_asym_usl_atl2_dd_rms vs Slug



Right In: 920.315+/-0.175 χ^2/NDF: 563668.6/24

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 920.184+/-0.163 χ^2/NDF: 543302.5/29

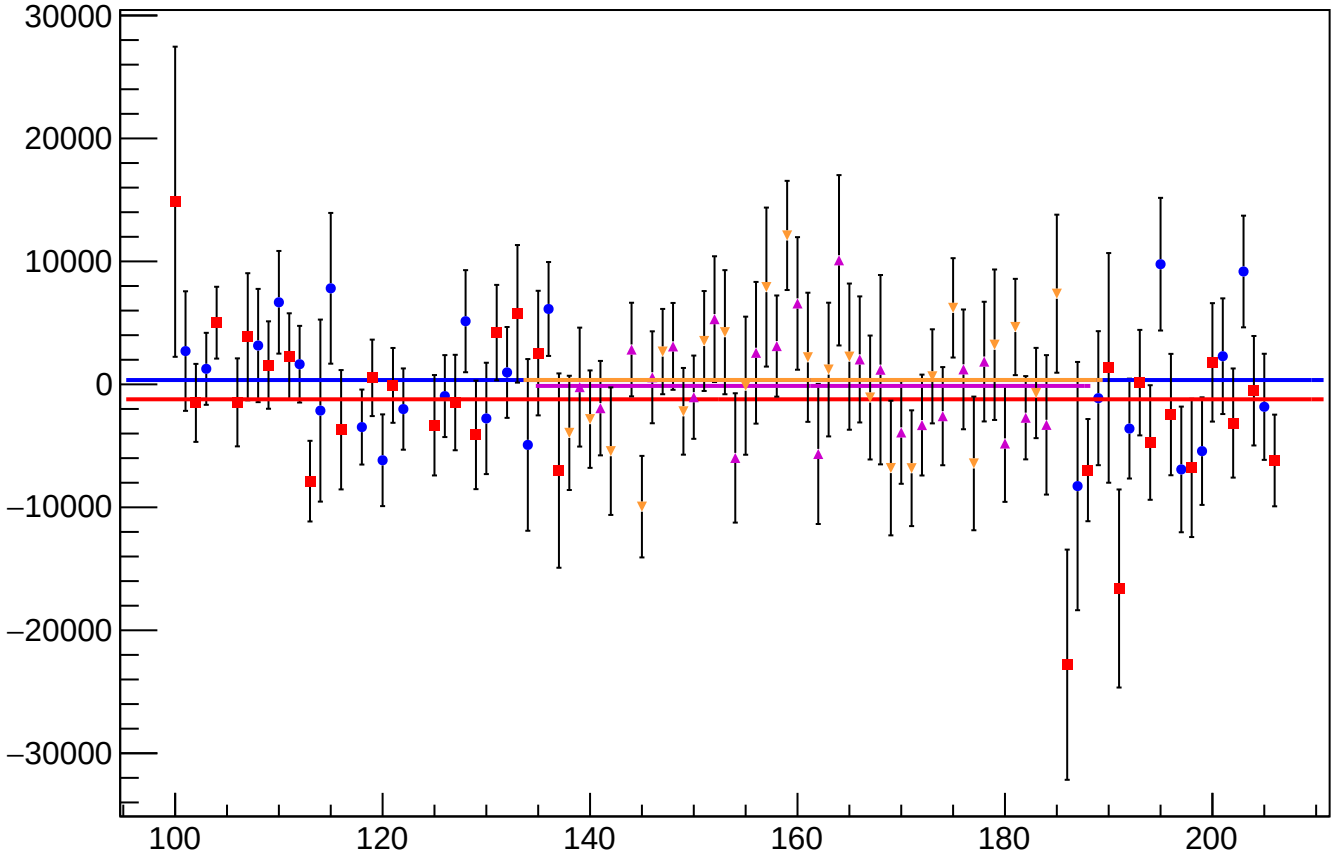
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1005.543+/-0.126 χ^2/NDF: 1533677.9/48

All: 1003.199+/-0.088 χ^2/NDF: 3082148.2/10

- sign 1001.007+/-0.122 χ^2/NDF: 1547800.3/52

asym_usl_atl2_dd_cor_correction_mean vs Slug



Right In: 352.000+/-839.775 χ^2/NDF: 27.5/24

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

Right Out: -1214.580+/-775.762 χ^2/NDF: 33.9/29

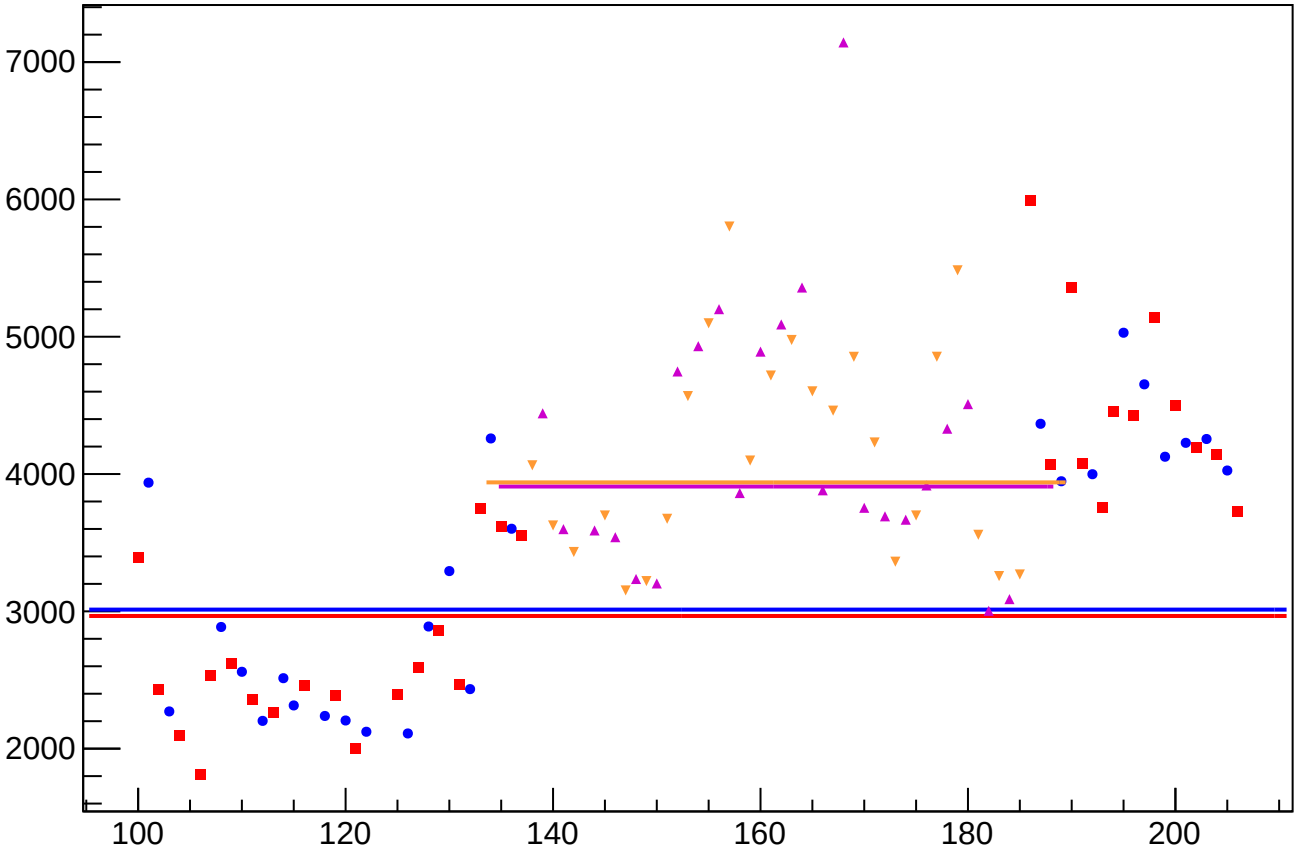
Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 354.560+/-624.540 χ^2/NDF: 57.8/48

All: -233.447+/-431.327 χ^2/NDF: 108.0/101

- sign -769.678+/-596.410 χ^2/NDF: 48.5/52

asym_usl_atl2_dd_cor_correction_rms vs Slug



Right In: 3012.645+/-0.594 χ^2/NDF: 2301328.3/24

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2966.242+/-0.549 χ^2/NDF: 2942165.2/29

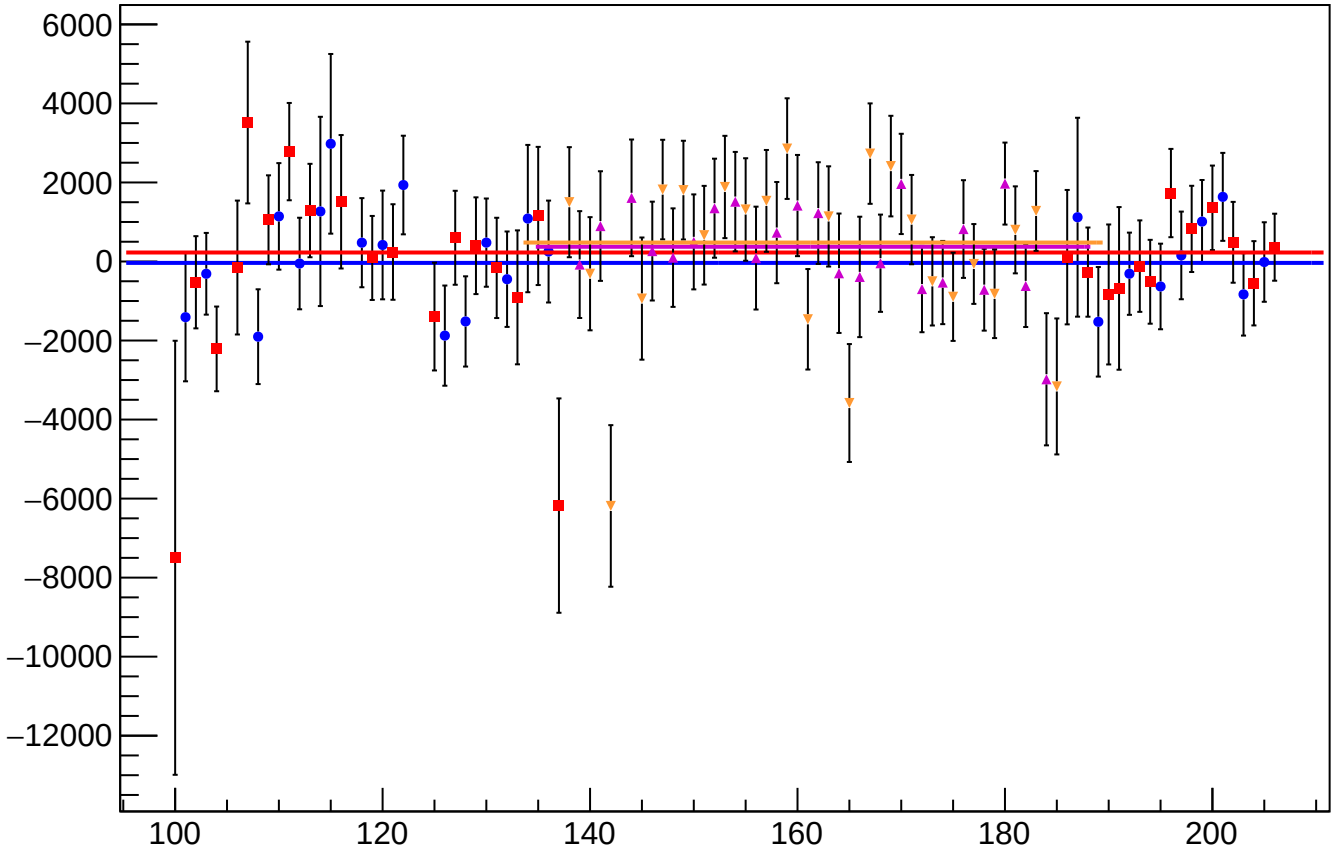
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3426.762+/-0.442 χ^2/NDF: 4482239.0/48

All: 3387.567+/-0.305 χ^2/NDF: 9948475.7/10

- sign 3351.824+/-0.422 χ^2/NDF: 5451176.3/52

eigen_cor_asym_usl_atl2_dd_mean vs Slug



Right In: -35.486+/-247.839 χ^2/NDF: 19.0/24

Left Out: 479.583+/-256.330 χ^2/NDF:45.2/23

Right Out: 227.507+/-231.141 χ^2/NDF: 29.6/29

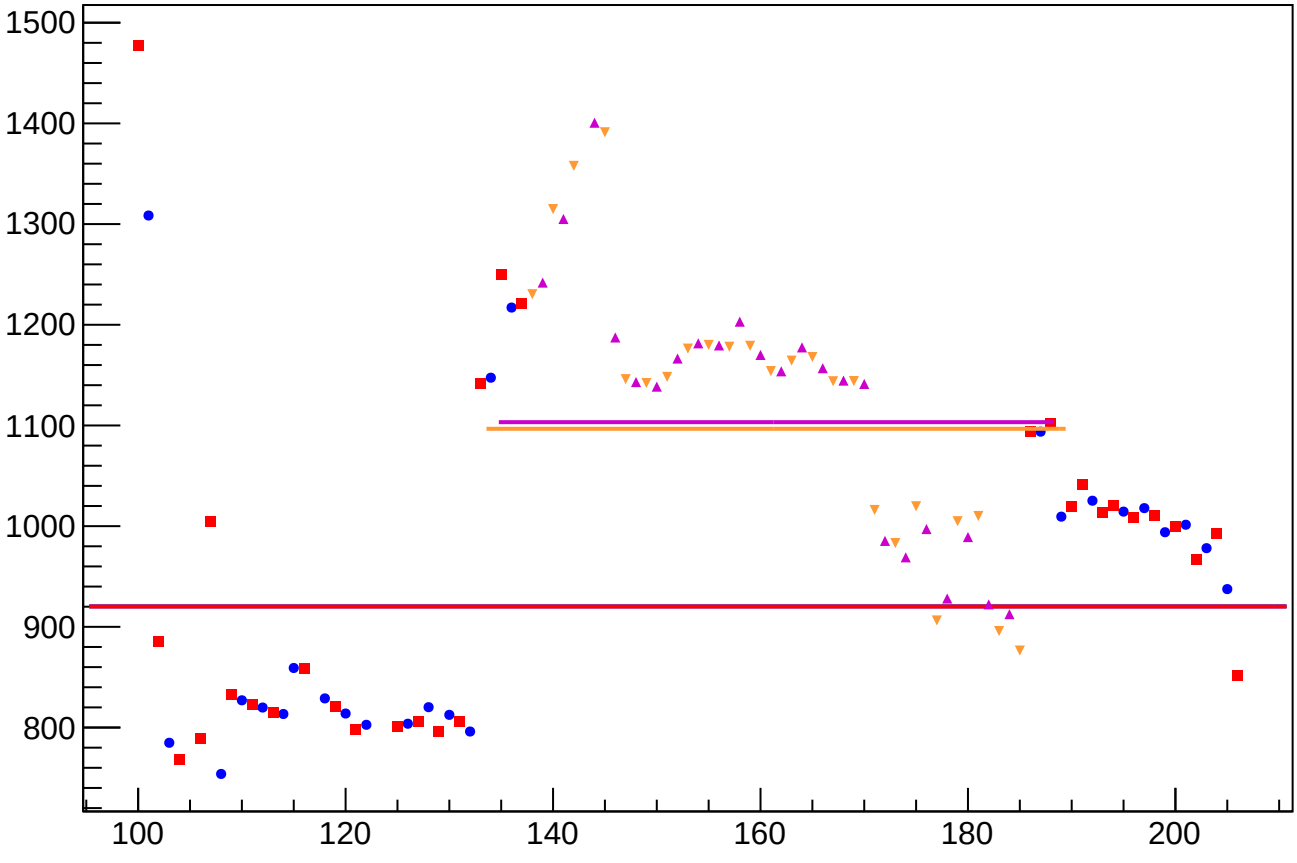
Left In: 372.901+/-259.314 χ^2/NDF:16.0/22

+ sign 213.377+/-178.175 χ^2/NDF: 66.2/48

All: 253.888+/-123.950 χ^2/NDF: 112.1/101

- sign 291.880+/-172.545 χ^2/NDF: 45.8/52

eigen_cor_asym_usl_atl2_dd_rms vs Slug



Right In: 920.315+/-0.175 χ^2/NDF: 563668.6/24

Left Out: 1096.711+/-0.181 χ^2/NDF:480498.6/23

Right Out: 920.184+/-0.163 χ^2/NDF: 543302.5/29

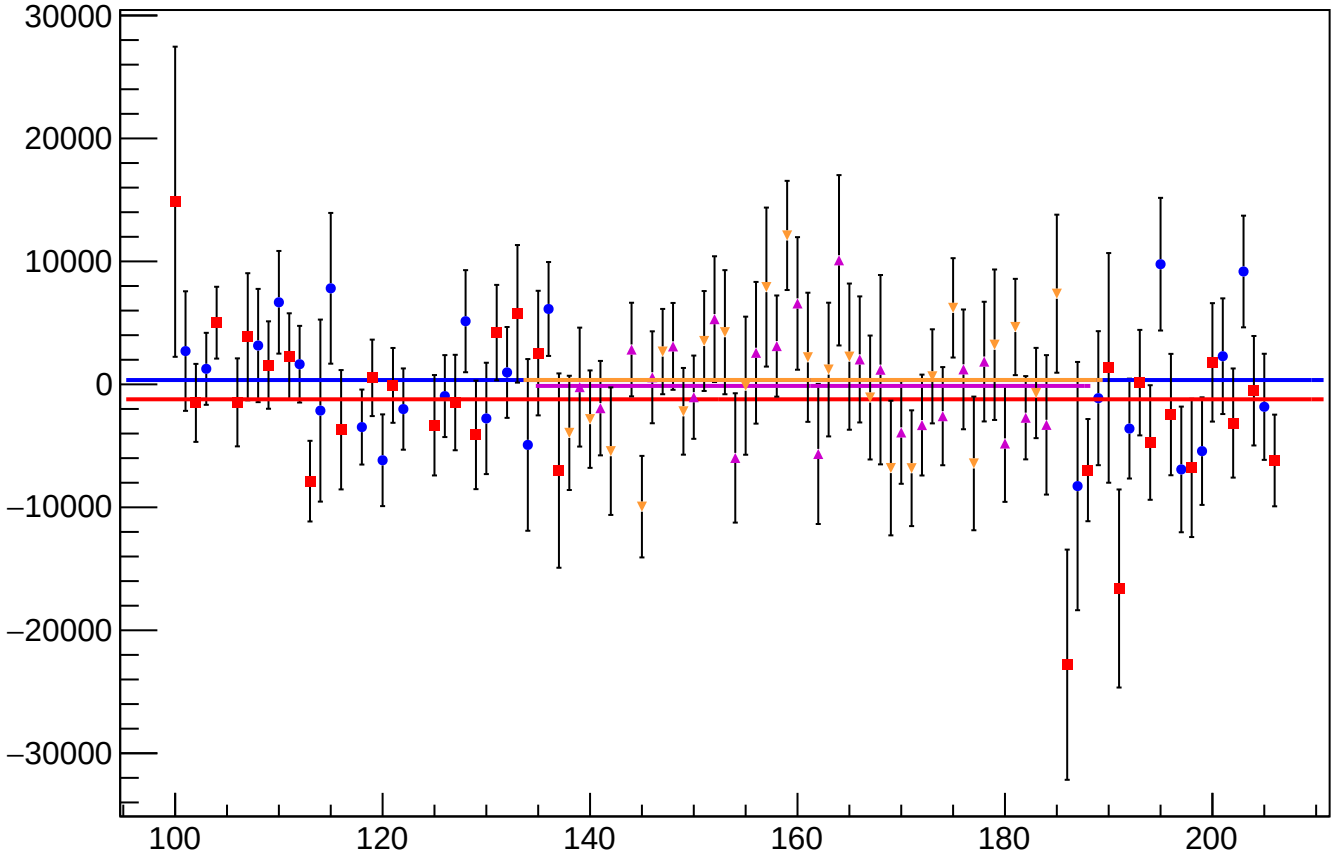
Left In: 1103.281+/-0.183 χ^2/NDF:447540.3/22

+ sign 1005.543+/-0.126 χ^2/NDF: 1533677.9/48

All: 1003.199+/-0.088 χ^2/NDF: 3082148.2/10

- sign 1001.007+/-0.122 χ^2/NDF: 1547800.3/52

asym_usl_atl2_dd_eigen_cor_correction_mean vs Slug



Right In: 352.000+/-839.775 χ^2/NDF: 27.5/24

Left Out: 357.728+/-934.221 χ^2/NDF:30.3/23

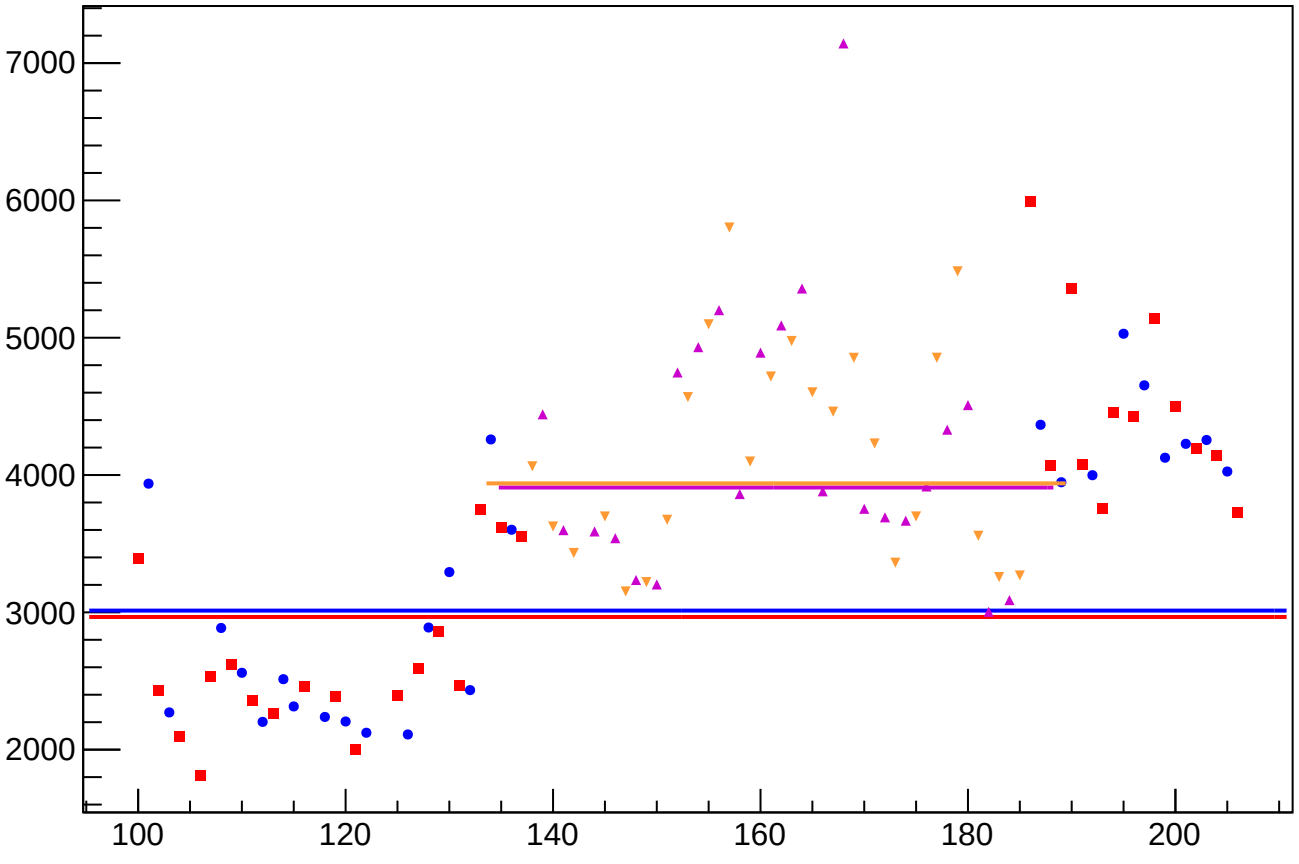
Right Out: -1214.580+/-775.762 χ^2/NDF: 33.9/29

Left In: -126.635+/-932.644 χ^2/NDF:13.8/22

+ sign 354.560+/-624.540 χ^2/NDF: 57.8/48

All: -233.447+/-431.327 χ^2/NDF: 108.0/101

- sign -769.678+/-596.410 χ^2/NDF: 48.5/52



Right In: 3012.645+/-0.594 χ^2/NDF: 2301328.3/24

Left Out: 3939.266+/-0.661 χ^2/NDF:1092657.5/23

Right Out: 2966.242+/-0.549 χ^2/NDF: 2942165.2/29

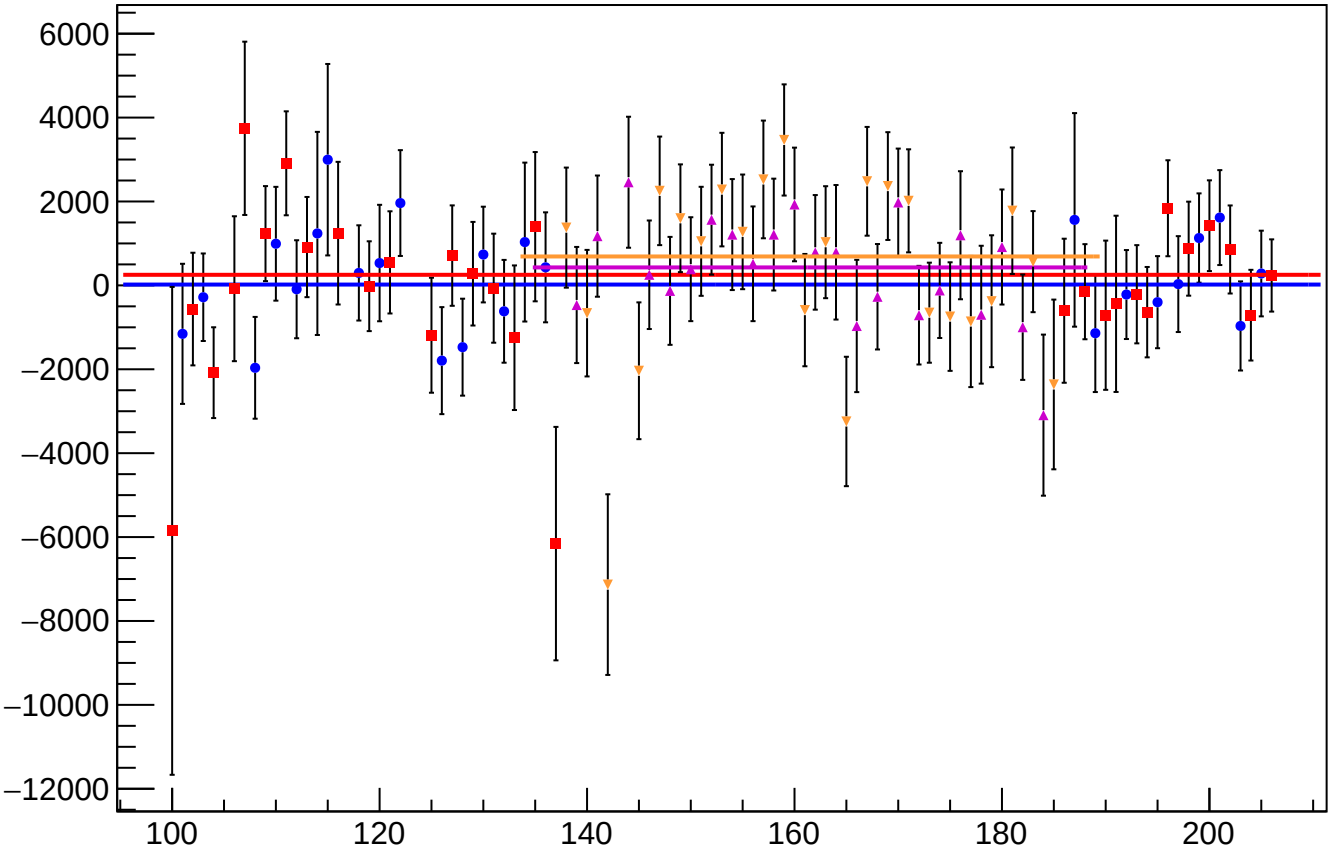
Left In: 3909.128+/-0.659 χ^2/NDF:1300782.7/22

+ sign 3426.762+/-0.442 χ^2/NDF: 4482239.0/48

All: 3387.567+/-0.305 χ^2/NDF: 9948475.7/10

- sign 3351.824+/-0.422 χ^2/NDF: 5451176.3/52

dit_asym_usl_atl2_dd_mean vs Slug



Right In: 19.405+/-251.303 χ^2/NDF: 18.3/24

Left Out: 689.087+/-284.388 χ^2/NDF:45.7/23

Right Out: 252.006+/-235.242 χ^2/NDF: 29.1/29

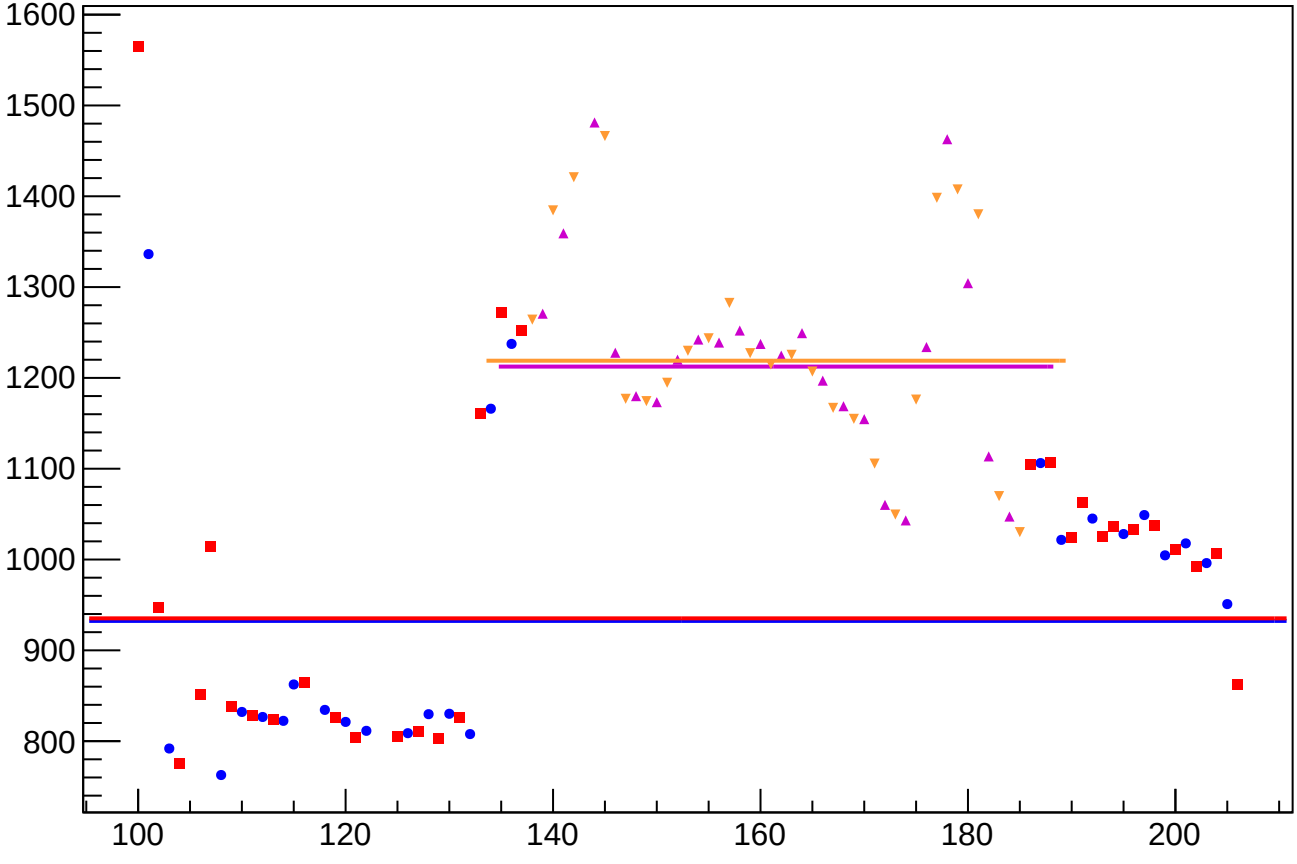
Left In: 428.052+/-284.383 χ^2/NDF:14.6/22

+ sign 313.043+/-188.314 χ^2/NDF: 67.2/48

All: 318.486+/-130.594 χ^2/NDF: 111.1/101

- sign 323.528+/-181.263 χ^2/NDF: 43.9/52

dit_asym_usl_atl2_dd_rms vs Slug



Right In: 932.417+/-0.178 χ^2/NDF: 586372.2/24

Left Out: 1218.928+/-0.201 χ^2/NDF:293874.9/23

Right Out: 935.223+/-0.166 χ^2/NDF: 554723.3/29

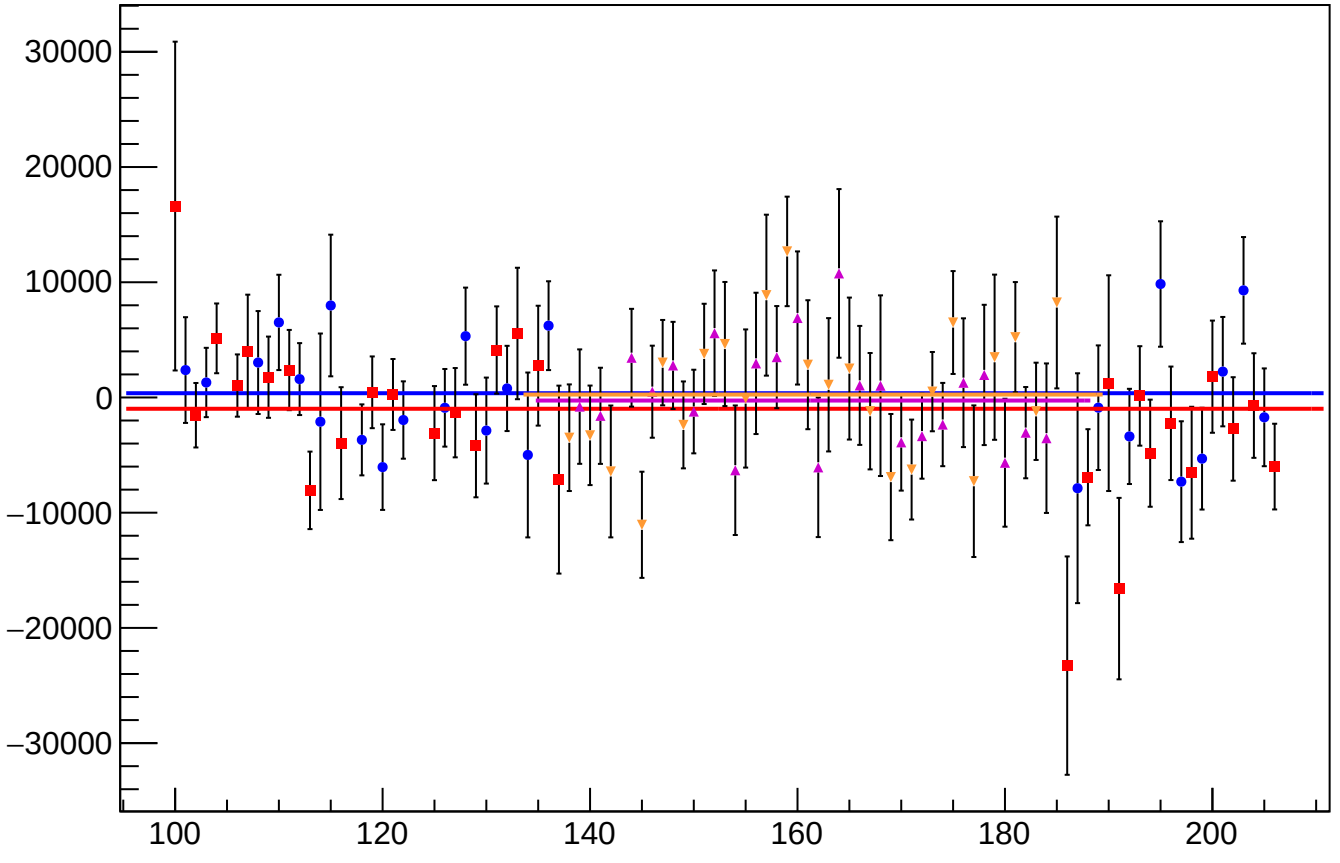
Left In: 1212.447+/-0.201 χ^2/NDF:260320.0/22

+ sign 1058.044+/-0.133 χ^2/NDF: 2020131.0/48

All: 1052.716+/-0.092 χ^2/NDF: 3967153.4/10

- sign 1047.783+/-0.128 χ^2/NDF: 1943938.7/52

asym_usl_atl2_dd_dit_correction_mean vs Slug



Right In: 369.526+/-844.632 χ^2/NDF: 27.2/24

Left Out: 252.803+/-995.149 χ^2/NDF:29.7/23

Right Out: -980.937+/-760.002 χ^2/NDF: 34.5/29

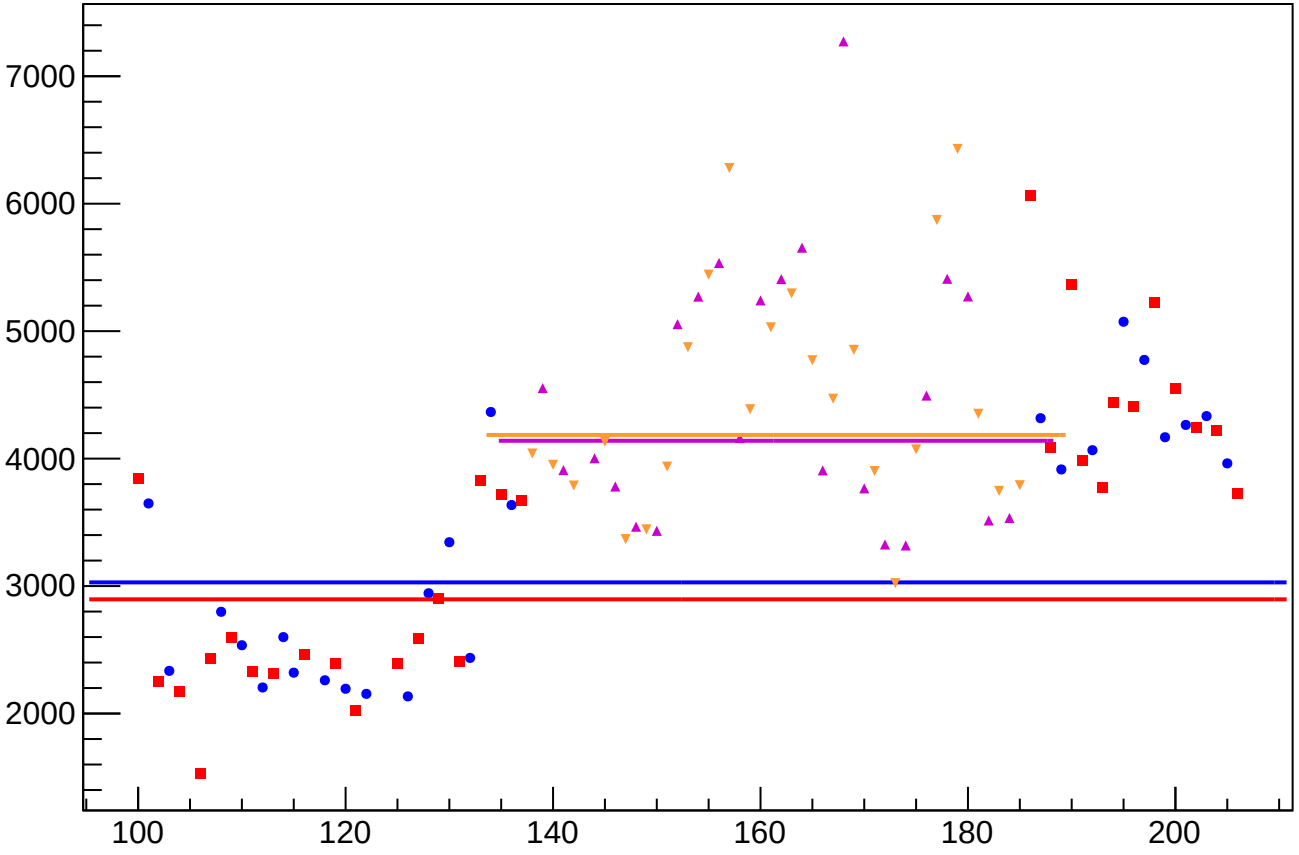
Left In: -266.235+/-990.083 χ^2/NDF:13.4/22

+ sign 320.650+/-643.956 χ^2/NDF: 56.9/48

All: -231.774+/-440.101 χ^2/NDF: 106.6/101

- sign -715.950+/-602.866 χ^2/NDF: 48.3/52

asym_usl_atl2_dd_dit_correction_rms vs Slug



Right In: 3028.972+/-0.597 χ^2/NDF: 2273200.3/24

Left Out: 4185.656+/-0.704 χ^2/NDF:1271248.5/23

Right Out: 2895.996+/-0.537 χ^2/NDF: 3381350.8/29

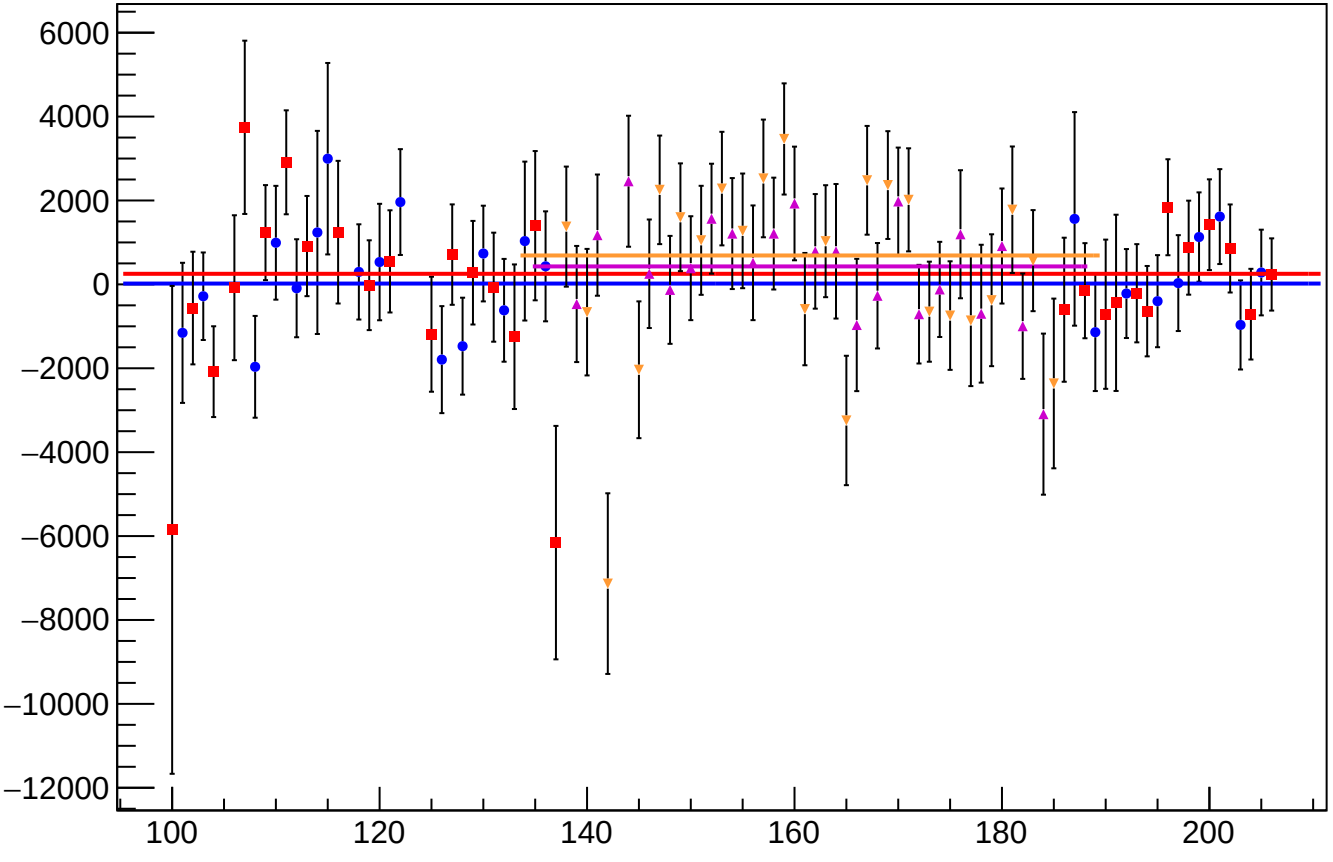
Left In: 4140.051+/-0.700 χ^2/NDF:1449924.0/22

+ sign 3513.312+/-0.455 χ^2/NDF: 5115027.4/48

All: 3430.143+/-0.311 χ^2/NDF: 11995815.6/1

- sign 3357.249+/-0.426 χ^2/NDF: 6818187.4/52

eigen_dit_asym_usl_atl2_dd_mean vs Slug



Right In: 19.406+/-251.303 χ^2/NDF: 18.3/24

Left Out: 689.089+/-284.388 χ^2/NDF:45.7/23

Right Out: 252.007+/-235.242 χ^2/NDF: 29.1/29

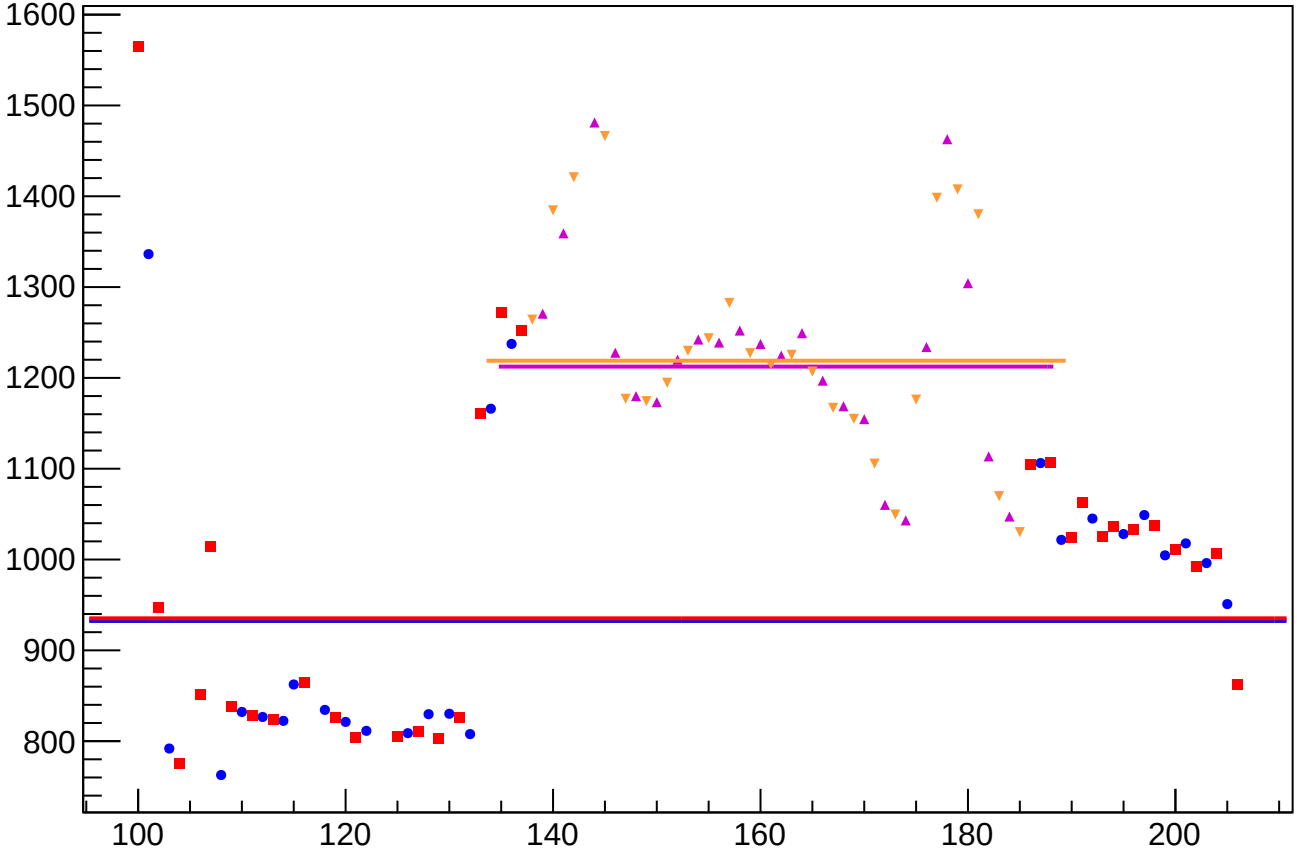
Left In: 428.050+/-284.383 χ^2/NDF:14.6/22

+ sign 313.044+/-188.314 χ^2/NDF: 67.2/48

All: 318.486+/-130.594 χ^2/NDF: 111.1/101

- sign 323.527+/-181.263 χ^2/NDF: 43.9/52

eigen_dit_asym_usl_atl2_dd_rms vs Slug



Right In: 932.417+/-0.178 χ^2/NDF: 586372.3/24

Left Out: 1218.929+/-0.201 χ^2/NDF:293885.7/23

Right Out: 935.223+/-0.166 χ^2/NDF: 554724.0/29

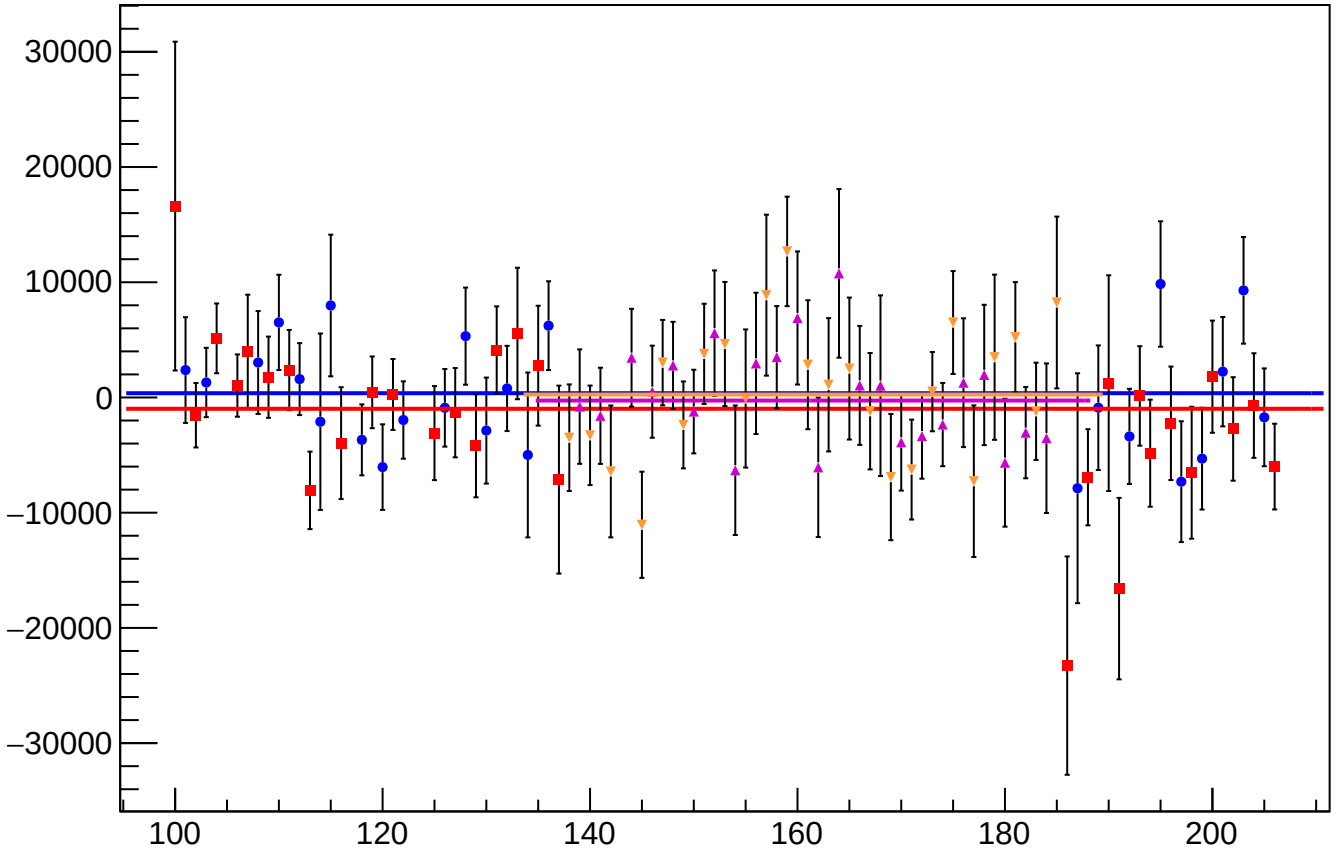
Left In: 1212.448+/-0.201 χ^2/NDF:260330.4/22

+ sign 1058.045+/-0.133 χ^2/NDF: 2020148.6/48

All: 1052.717+/-0.092 χ^2/NDF: 3967188.2/10

- sign 1047.783+/-0.128 χ^2/NDF: 1943956.0/52

asym_usl_atl2_dd_eigen_dit_correction_mean vs Slug



Right In: 369.522+/-844.631 χ^2/NDF: 27.2/24

Left Out: 252.805+/-995.151 χ^2/NDF:29.7/23

Right Out: -980.931+/-760.001 χ^2/NDF: 34.5/29

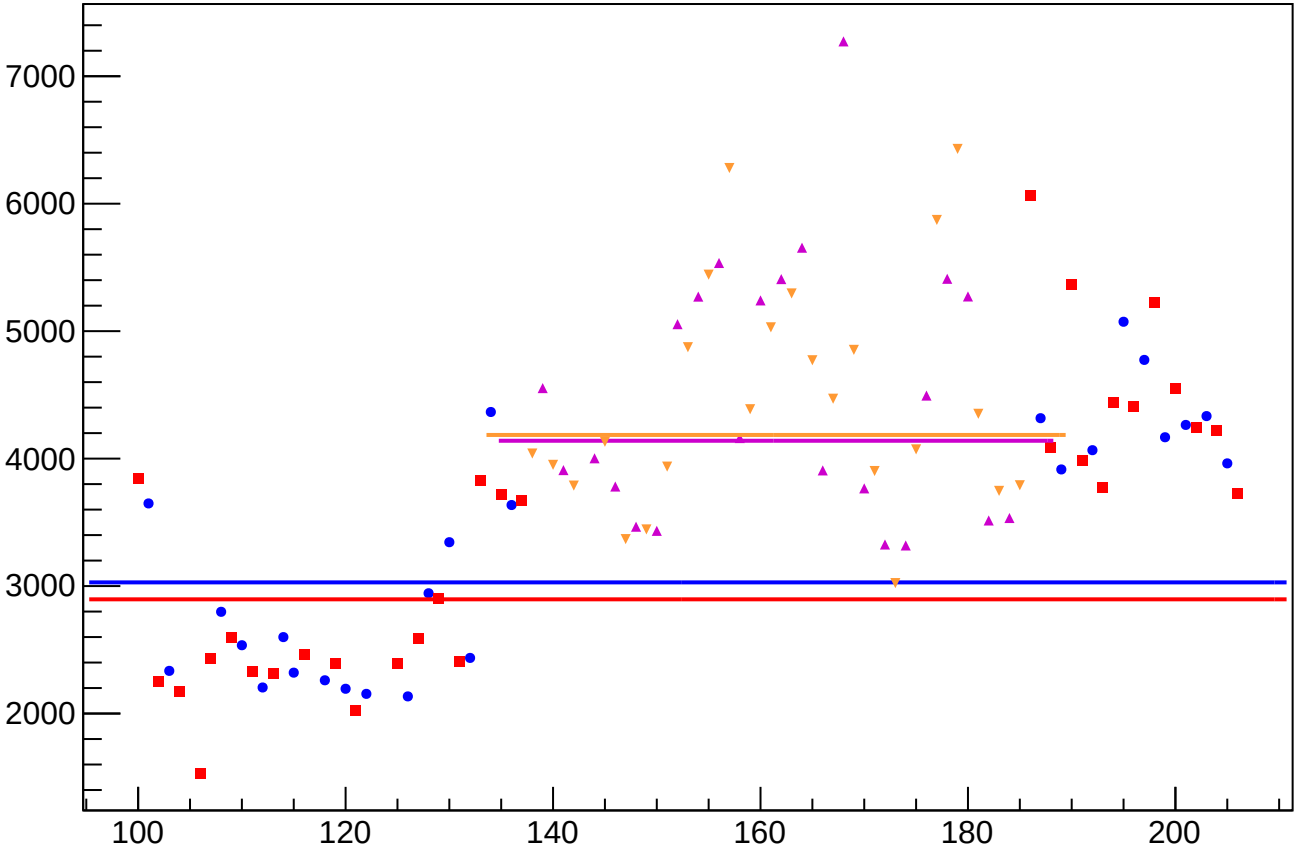
Left In: -266.236+/-990.085 χ^2/NDF:13.4/22

+ sign 320.649+/-643.956 χ^2/NDF: 56.9/48

All: -231.774+/-440.100 χ^2/NDF: 106.6/101

- sign -715.948+/-602.866 χ^2/NDF: 48.3/52

asym_usl_atl2_dd_eigen_dit_correction_rms vs Slug



Right In: 3028.964+/-0.597 χ^2/NDF: 2273236.3/24

Left Out: 4185.664+/-0.704 χ^2/NDF:1271247.4/23

Right Out: 2895.990+/-0.537 χ^2/NDF: 3381387.8/29

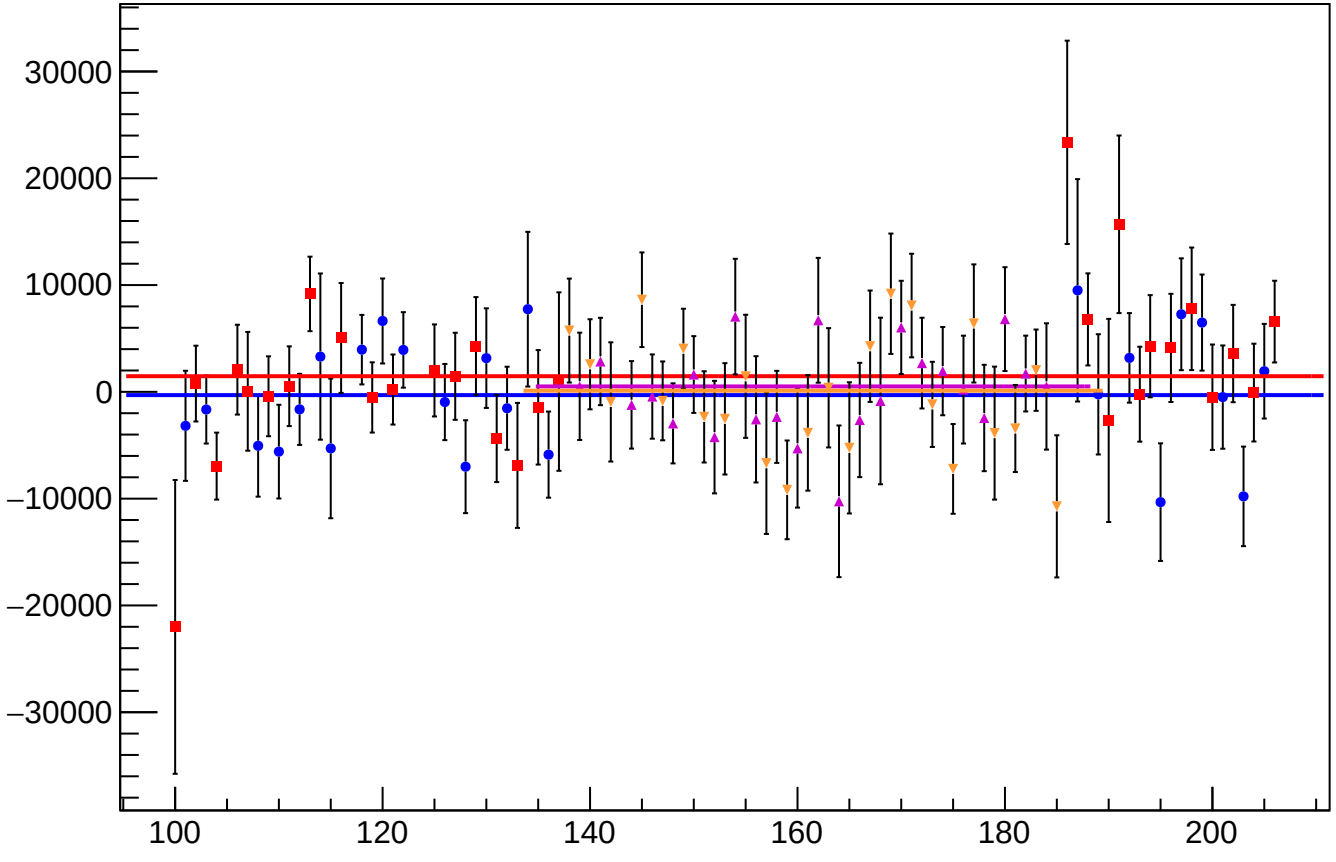
Left In: 4140.059+/-0.700 χ^2/NDF:1449925.1/22

+ sign 3513.309+/-0.455 χ^2/NDF: 5115102.9/48

All: 3430.140+/-0.311 χ^2/NDF: 11995969.1/1

- sign 3357.246+/-0.426 χ^2/NDF: 6818265.4/52

asym_usl_atl2_dd_mean vs Slug



Right In: -304.584+/-883.807 χ^2/NDF: 29.9/24

Left Out: 108.966+/-975.598 χ^2/NDF:28.0/23

Right Out: 1465.898+/-821.180 χ^2/NDF: 35.4/29

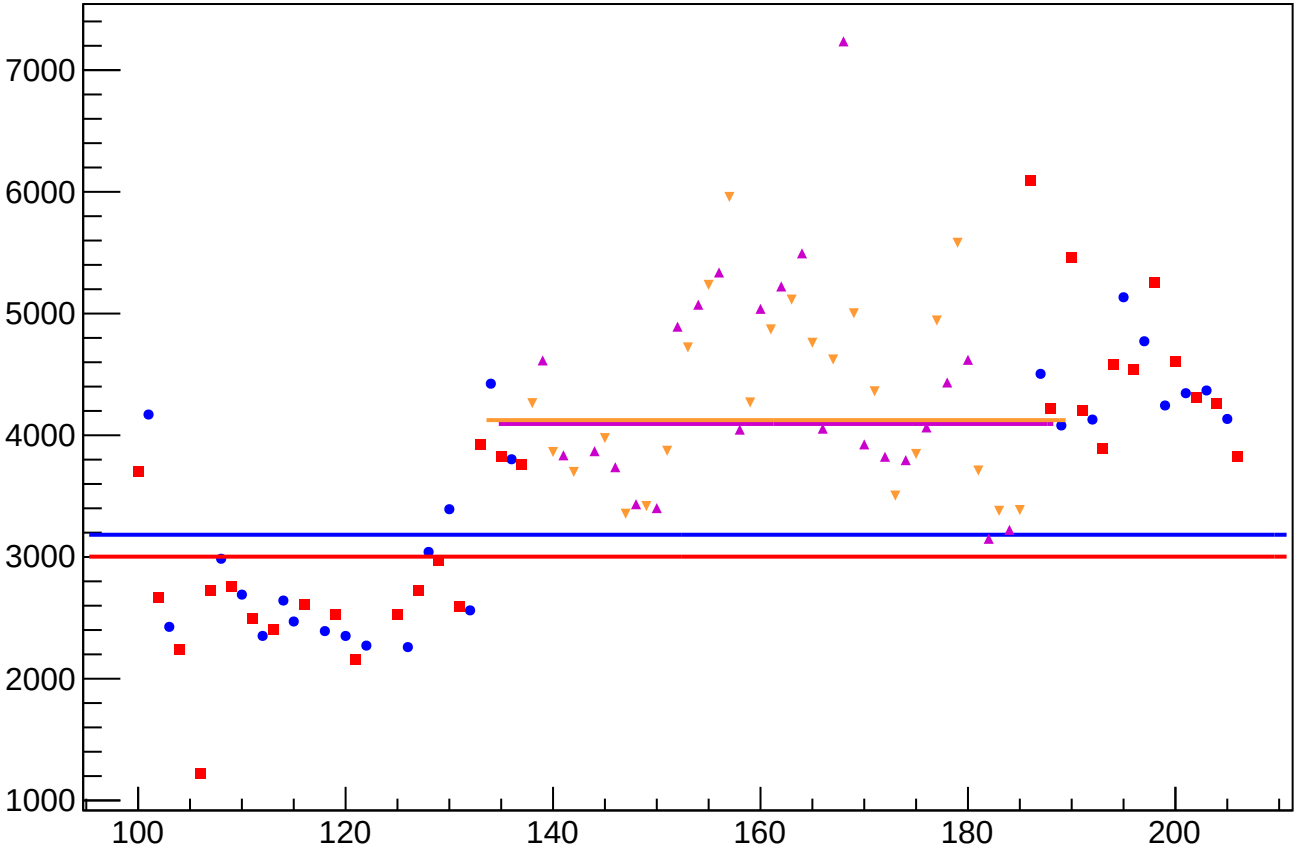
Left In: 509.024+/-974.173 χ^2/NDF:13.5/22

+ sign -118.175+/-654.999 χ^2/NDF: 58.1/48

All: 500.203+/-453.258 χ^2/NDF: 109.3/101

- sign 1068.414+/-627.868 χ^2/NDF: 49.5/52

asym_usl_atl2_dd_rms vs Slug



Right In: 3182.820+/-0.625 χ^2/NDF: 2077440.6/24

Left Out: 4124.485+/-0.690 χ^2/NDF:969929.3/23

Right Out: 3002.945+/-0.562 χ^2/NDF: 3553772.8/29

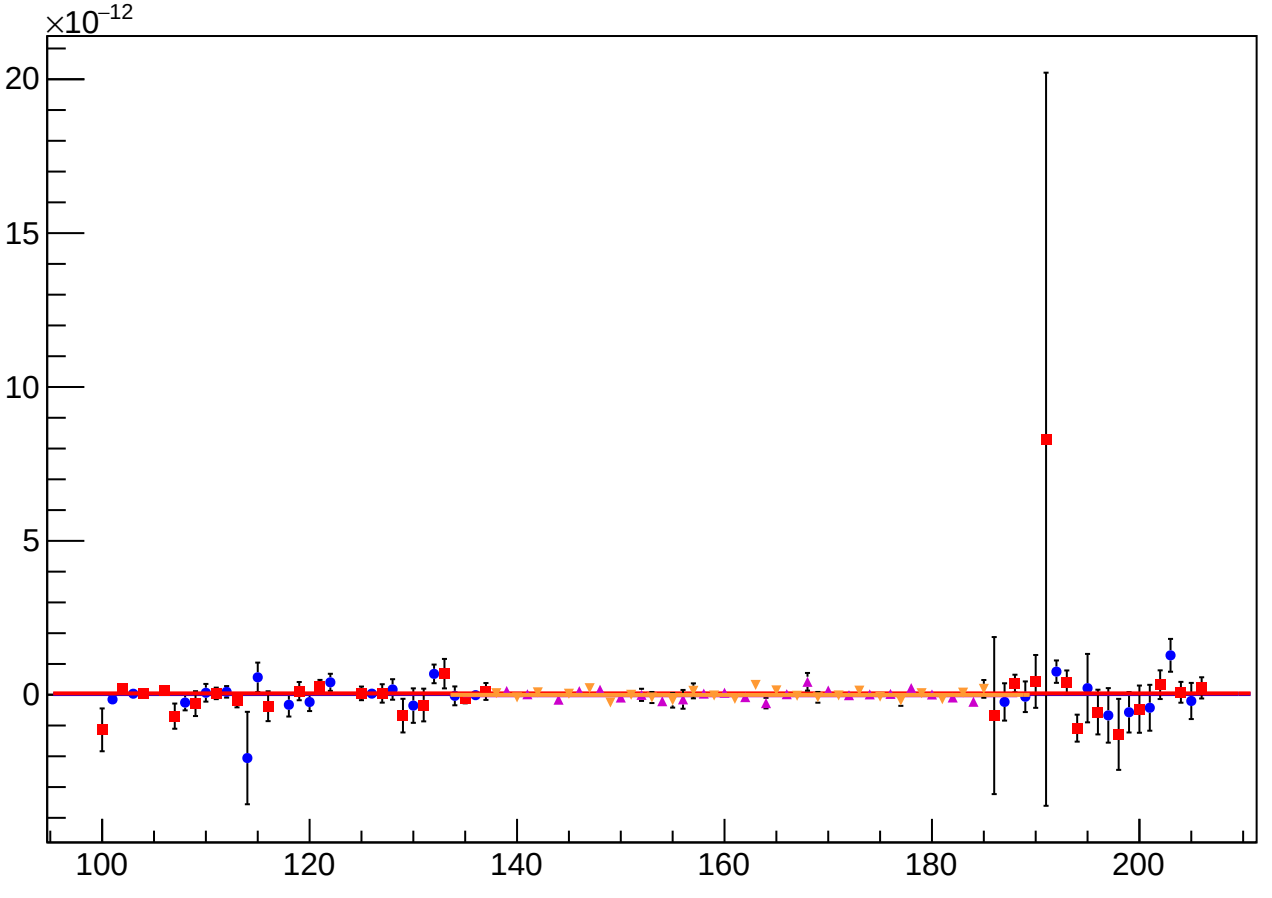
Left In: 4093.066+/-0.689 χ^2/NDF:1162851.8/22

+ sign 3607.278+/-0.463 χ^2/NDF: 4070775.7/48

All: 3517.704+/-0.317 χ^2/NDF: 10361582.7/1

- sign 3438.531+/-0.435 χ^2/NDF: 6220342.0/52

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 27.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

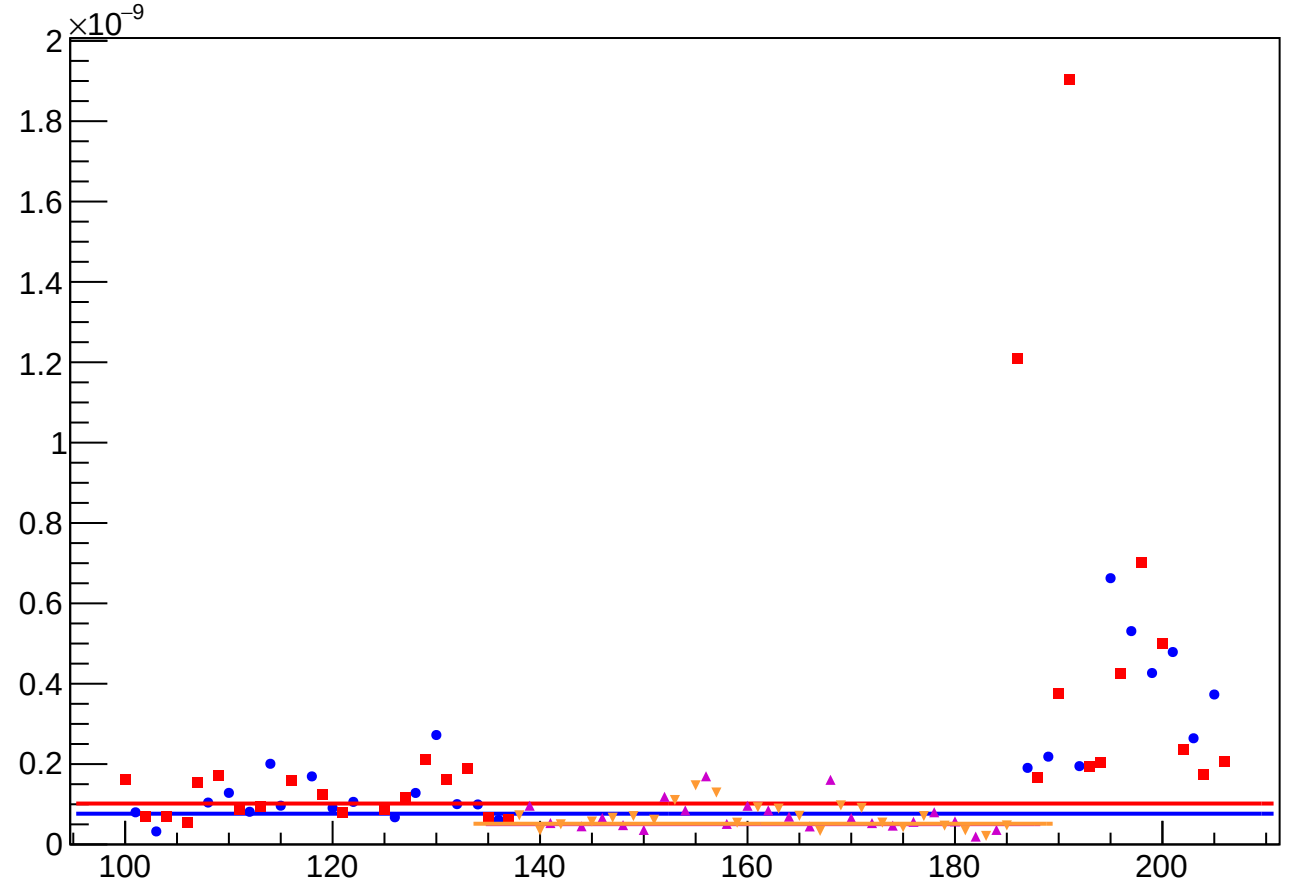
Right Out: 0.000+/-0.000 χ^2/NDF: 29.7/29

Left In: -0.000+/-0.000 χ^2/NDF:25.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.6/48

All: -0.000+/-0.000 χ^2/NDF: 108.4/101

- sign -0.000+/-0.000 χ^2/NDF: 56.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 4789939.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2269565.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 3802073.0/29

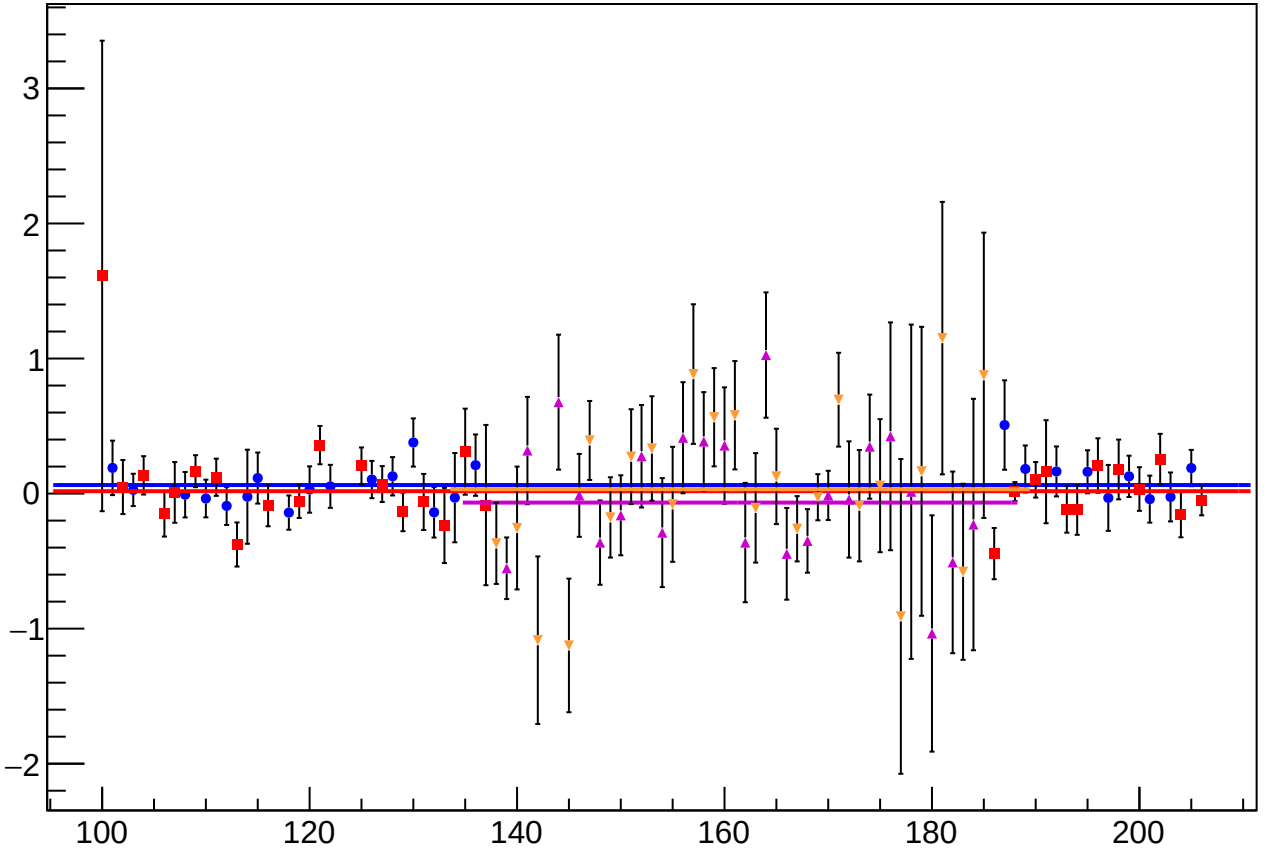
Left In: 0.000+/-0.000 χ^2/NDF:2433650.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 7591878.8/48

All: 0.000+/-0.000 χ^2/NDF: 15612582.1/101

- sign 0.000+/-0.000 χ^2/NDF: 8010175.9/52

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.063+/-0.034 χ^2/NDF: 15.0/24

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

Right Out: 0.018+/-0.028 χ^2/NDF: 34.4/29

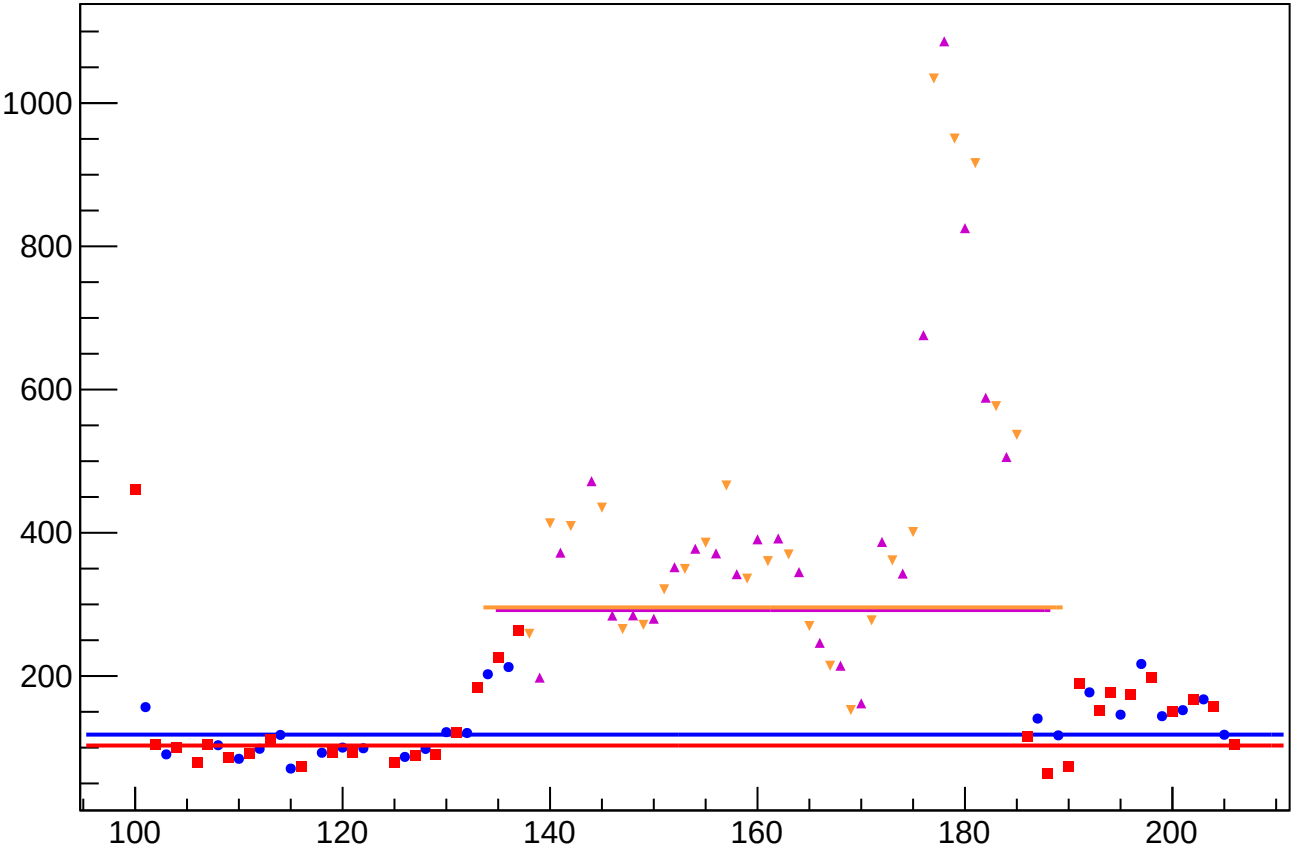
Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.058+/-0.031 χ^2/NDF: 44.8/48

All: 0.029+/-0.020 χ^2/NDF: 107.6/101

- sign 0.007+/-0.026 χ^2/NDF: 61.2/52

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 118.180+/-0.024 χ^2/NDF: 2107367.1/24

Left Out: 295.798+/-0.054 χ^2/NDF:5501077.8/23

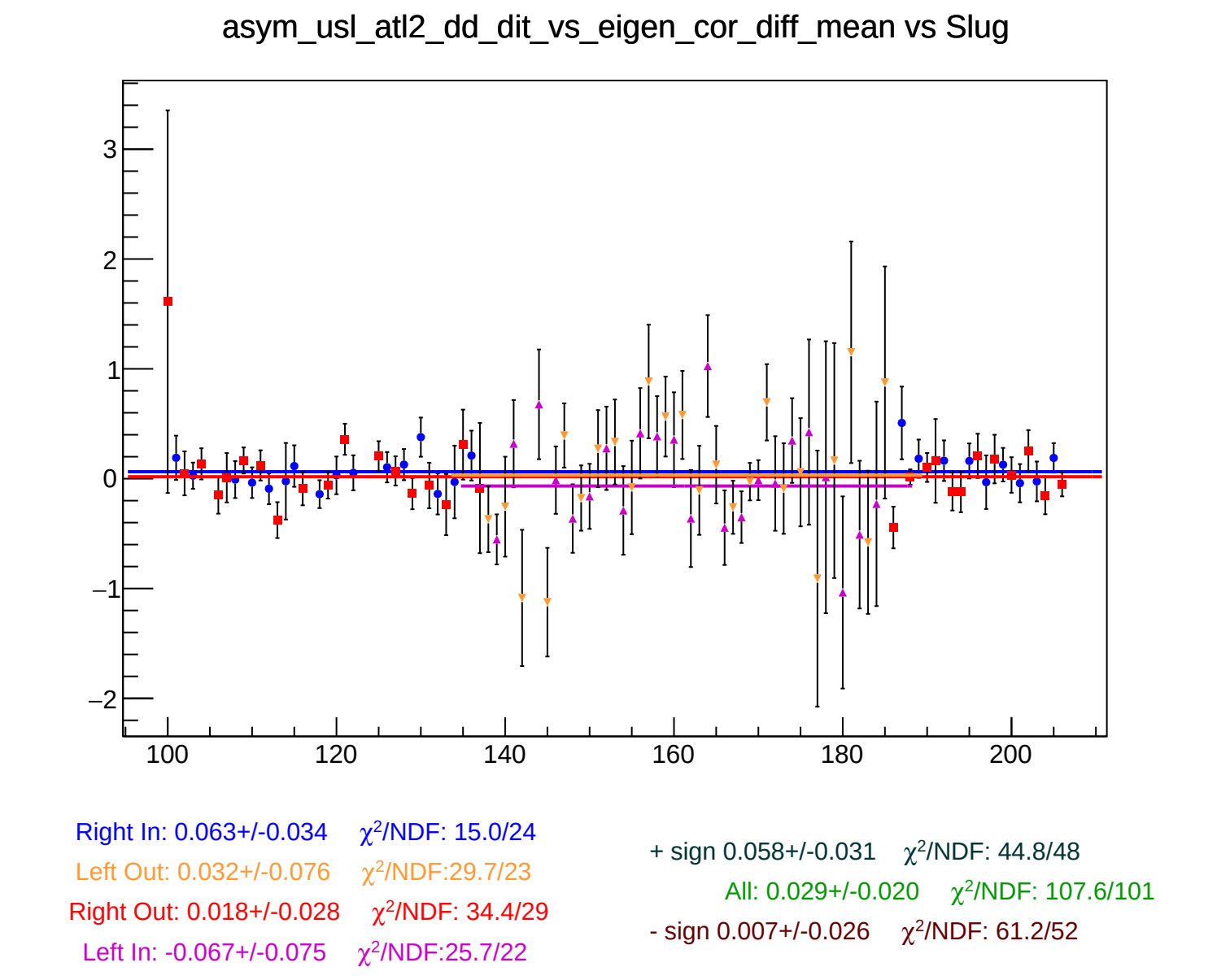
Right Out: 102.957+/-0.020 χ^2/NDF: 3570852.0/29

Left In: 292.100+/-0.053 χ^2/NDF:5055737.7/22

+ sign 147.288+/-0.022 χ^2/NDF: 16740938.8/48

All: 135.385+/-0.014 χ^2/NDF: 37100475.3/10

- sign 126.607+/-0.019 χ^2/NDF: 19839501.1/52


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs Slug
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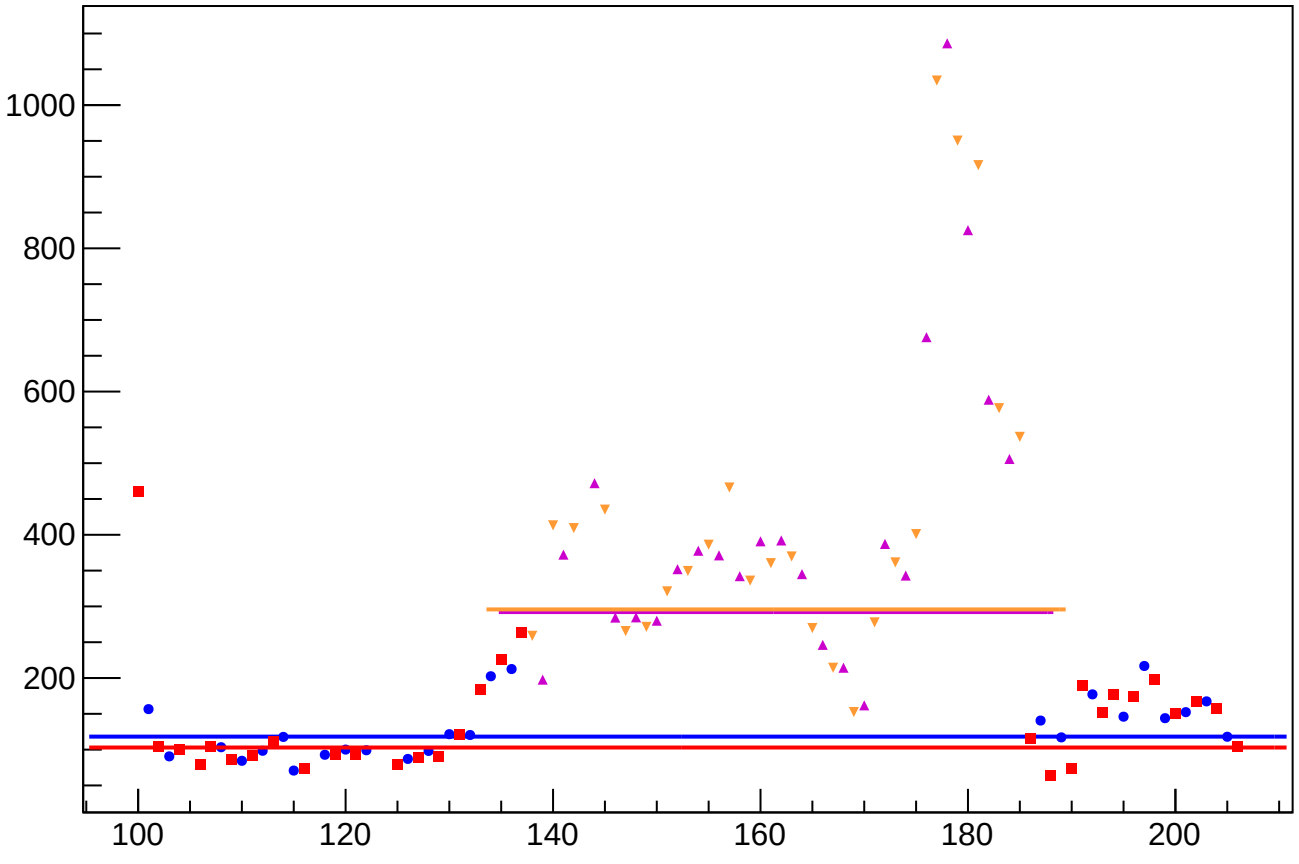
Right In: 0.063+/-0.034 χ²/NDF: 15.0/24
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.018+/-0.028 χ²/NDF: 34.4/29
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.058+/-0.031 χ²/NDF: 44.8/48
All: 0.029+/-0.020 χ²/NDF: 107.6/101
- sign 0.007+/-0.026 χ²/NDF: 61.2/52


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs Slug
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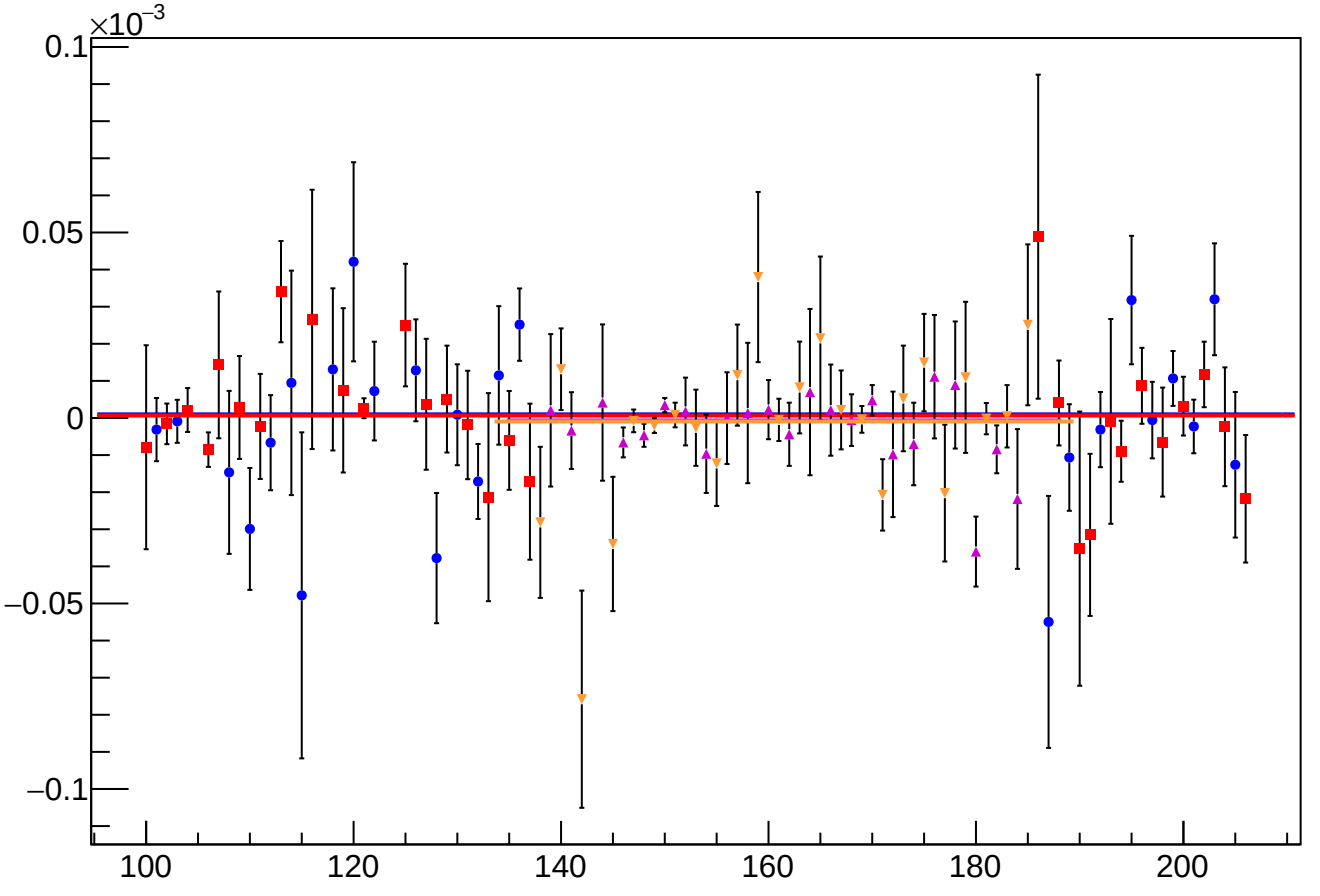
Right In: 118.180+/-0.024 χ²/NDF: 2107367.1/24
Left Out: 295.798+/-0.054 χ²/NDF:5501077.8/23
Right Out: 102.957+/-0.020 χ²/NDF: 3570852.0/29
Left In: 292.100+/-0.053 χ²/NDF:5055737.7/22
+ sign 147.288+/-0.022 χ²/NDF: 16740938.8/48
All: 135.385+/-0.014 χ²/NDF: 37100475.3/10
- sign 126.607+/-0.019 χ²/NDF: 19839501.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 37.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:29.1/23

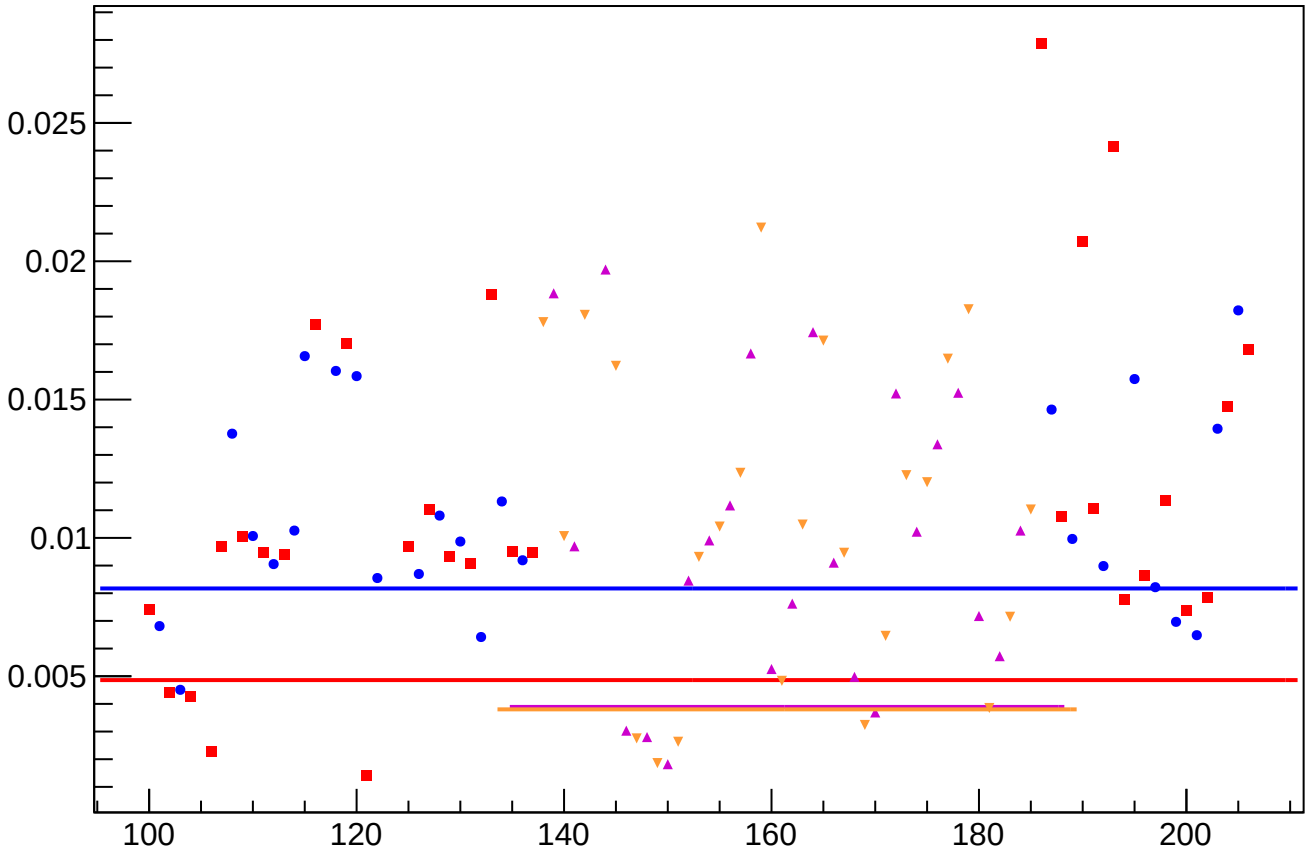
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/29

Left In: -0.000+/-0.000 χ^2/NDF:29.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.2/48

All: -0.000+/-0.000 χ^2/NDF: 123.4/101

- sign -0.000+/-0.000 χ^2/NDF: 56.2/52



Right In: 0.008+/-0.000 χ^2/NDF: 3219782.6/24

Left Out: 0.004+/-0.000 χ^2/NDF:14624926.4/23

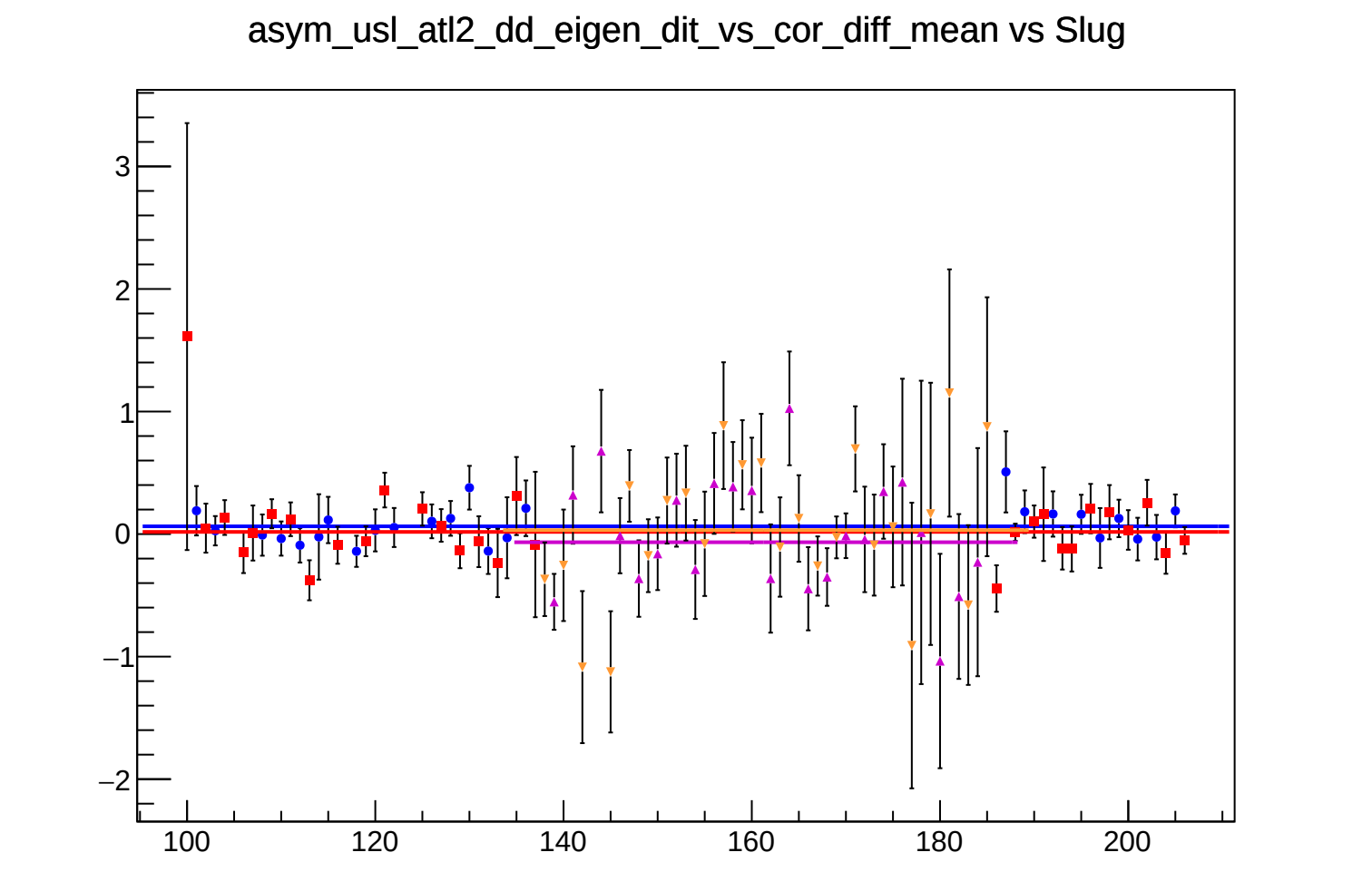
Right Out: 0.005+/-0.000 χ^2/NDF: 12980200.6/29

Left In: 0.004+/-0.000 χ^2/NDF:13523554.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 23219831.2/48

All: 0.004+/-0.000 χ^2/NDF: 50349311.1/101

- sign 0.004+/-0.000 χ^2/NDF: 26950203.4/52


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs Slug
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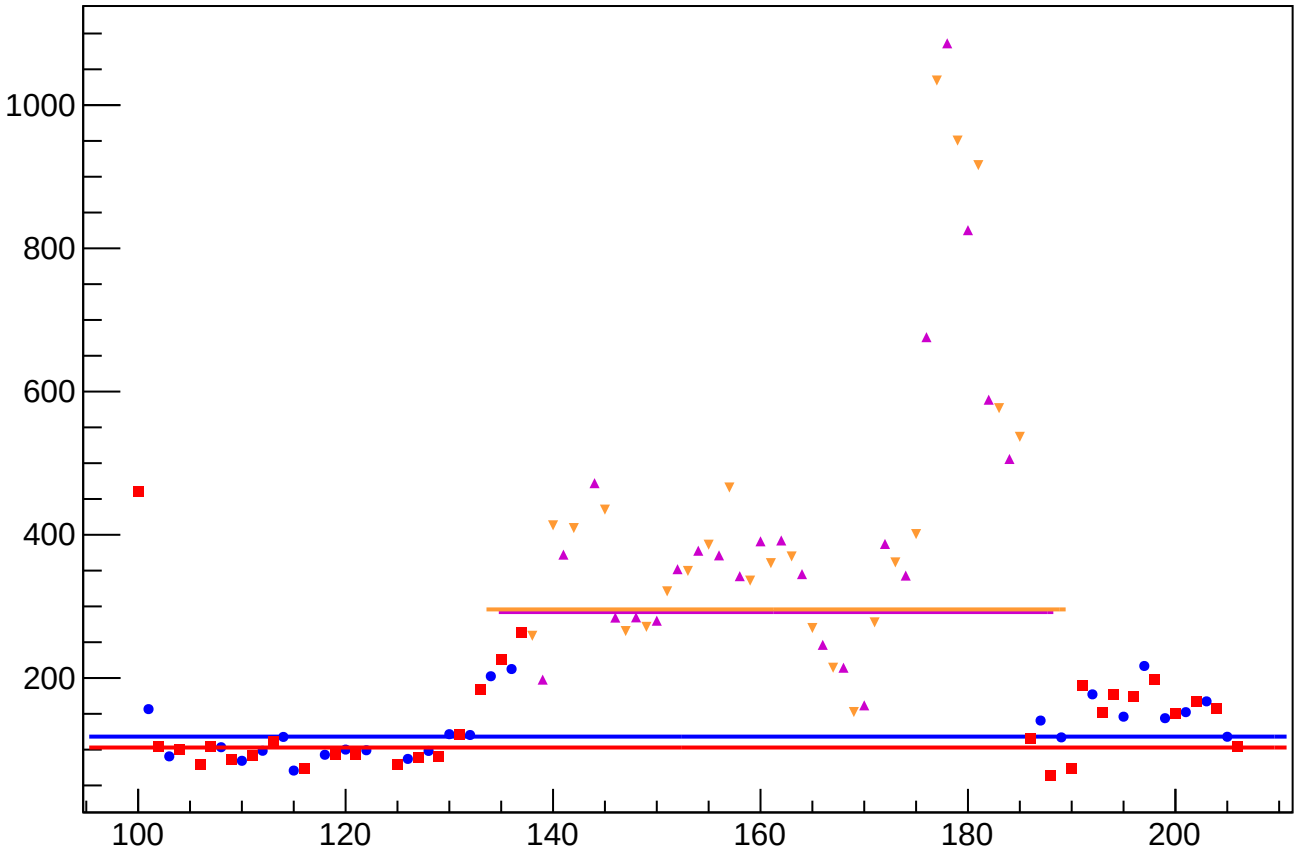
Right In: 0.063+/-0.034 χ²/NDF: 15.0/24
Left Out: 0.032+/-0.076 χ²/NDF:29.7/23
Right Out: 0.018+/-0.028 χ²/NDF: 34.4/29
Left In: -0.067+/-0.075 χ²/NDF:25.7/22
+ sign 0.058+/-0.031 χ²/NDF: 44.8/48
All: 0.029+/-0.020 χ²/NDF: 107.6/101
- sign 0.007+/-0.026 χ²/NDF: 61.2/52



Right In: 118.181+/-0.024 χ^2/NDF: 2107333.9/24

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

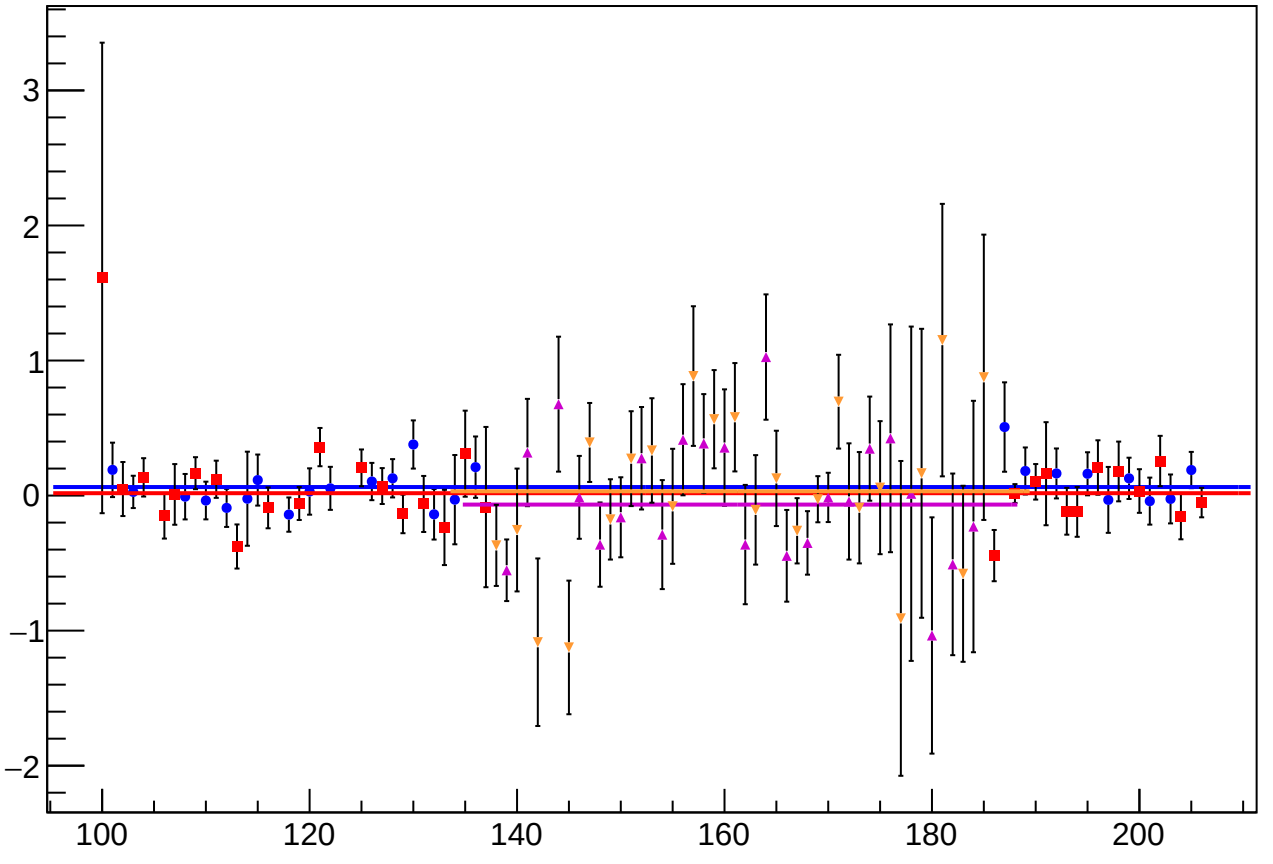
Right Out: 102.956+/-0.020 χ^2/NDF: 3571035.2/29

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.288+/-0.022 χ^2/NDF: 16741013.1/48

All: 135.384+/-0.014 χ^2/NDF: 37101126.0/10

- sign 126.606+/-0.019 χ^2/NDF: 19839991.7/52



Right In: 0.063+/-0.034 χ^2/NDF: 15.0/24

Left Out: 0.032+/-0.076 χ^2/NDF:29.7/23

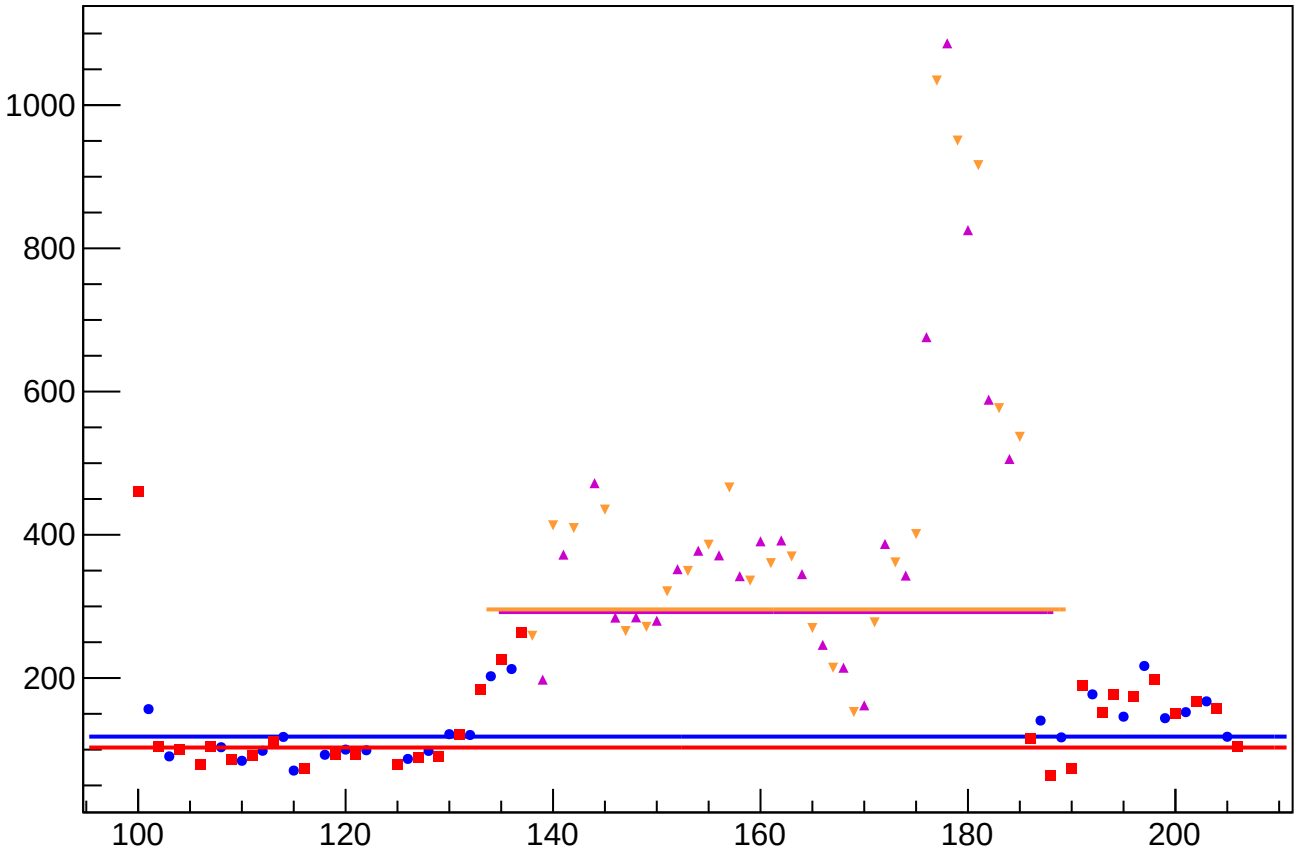
Right Out: 0.018+/-0.028 χ^2/NDF: 34.4/29

Left In: -0.067+/-0.075 χ^2/NDF:25.7/22

+ sign 0.058+/-0.031 χ^2/NDF: 44.8/48

All: 0.029+/-0.020 χ^2/NDF: 107.6/101

- sign 0.007+/-0.026 χ^2/NDF: 61.2/52



Right In: 118.181+/-0.024 χ^2/NDF: 2107333.9/24

Left Out: 295.800+/-0.054 χ^2/NDF:5501139.3/23

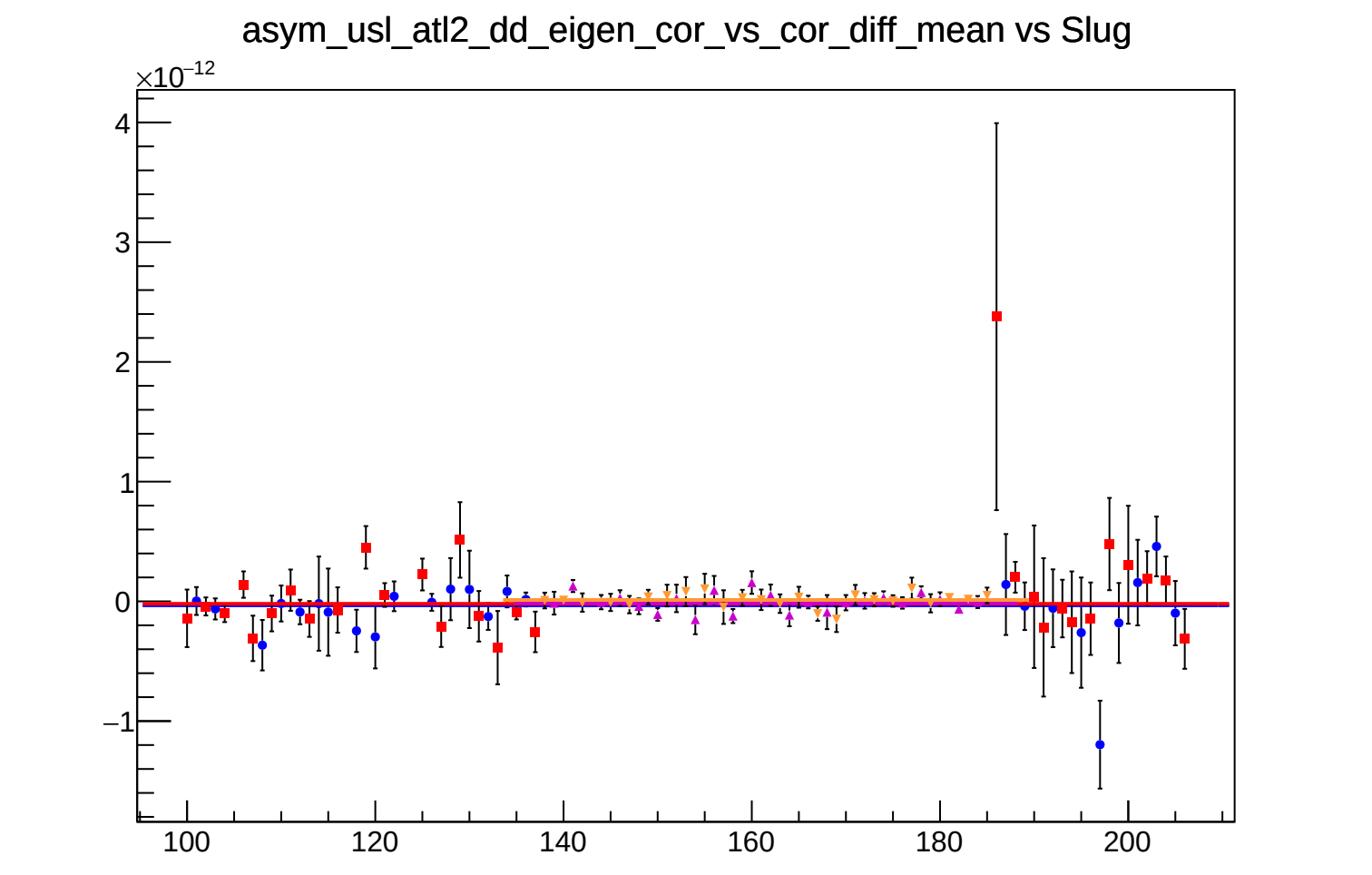
Right Out: 102.956+/-0.020 χ^2/NDF: 3571035.2/29

Left In: 292.103+/-0.053 χ^2/NDF:5055695.7/22

+ sign 147.288+/-0.022 χ^2/NDF: 16741013.1/48

All: 135.384+/-0.014 χ^2/NDF: 37101126.0/10

- sign 126.606+/-0.019 χ^2/NDF: 19839991.7/52


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
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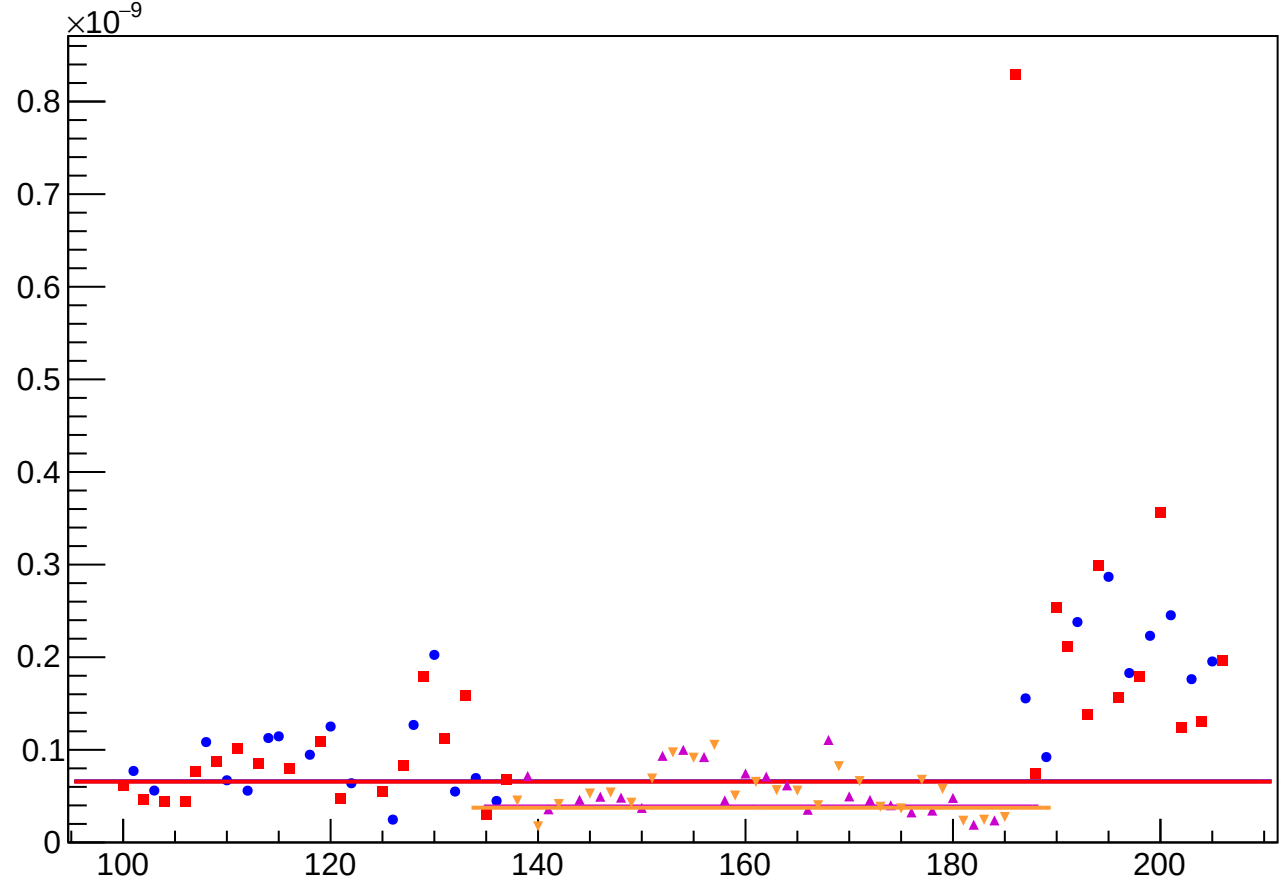
Right In: -0.000+/-0.000 χ²/NDF: 23.5/24
Left Out: 0.000+/-0.000 χ²/NDF:10.6/23
Right Out: -0.000+/-0.000 χ²/NDF: 38.4/29
Left In: -0.000+/-0.000 χ²/NDF:30.9/22
+ sign 0.000+/-0.000 χ²/NDF: 36.2/48
All: -0.000+/-0.000 χ²/NDF: 107.3/101
- sign -0.000+/-0.000 χ²/NDF: 69.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 4946372.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:4983727.4/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5522845.9/29

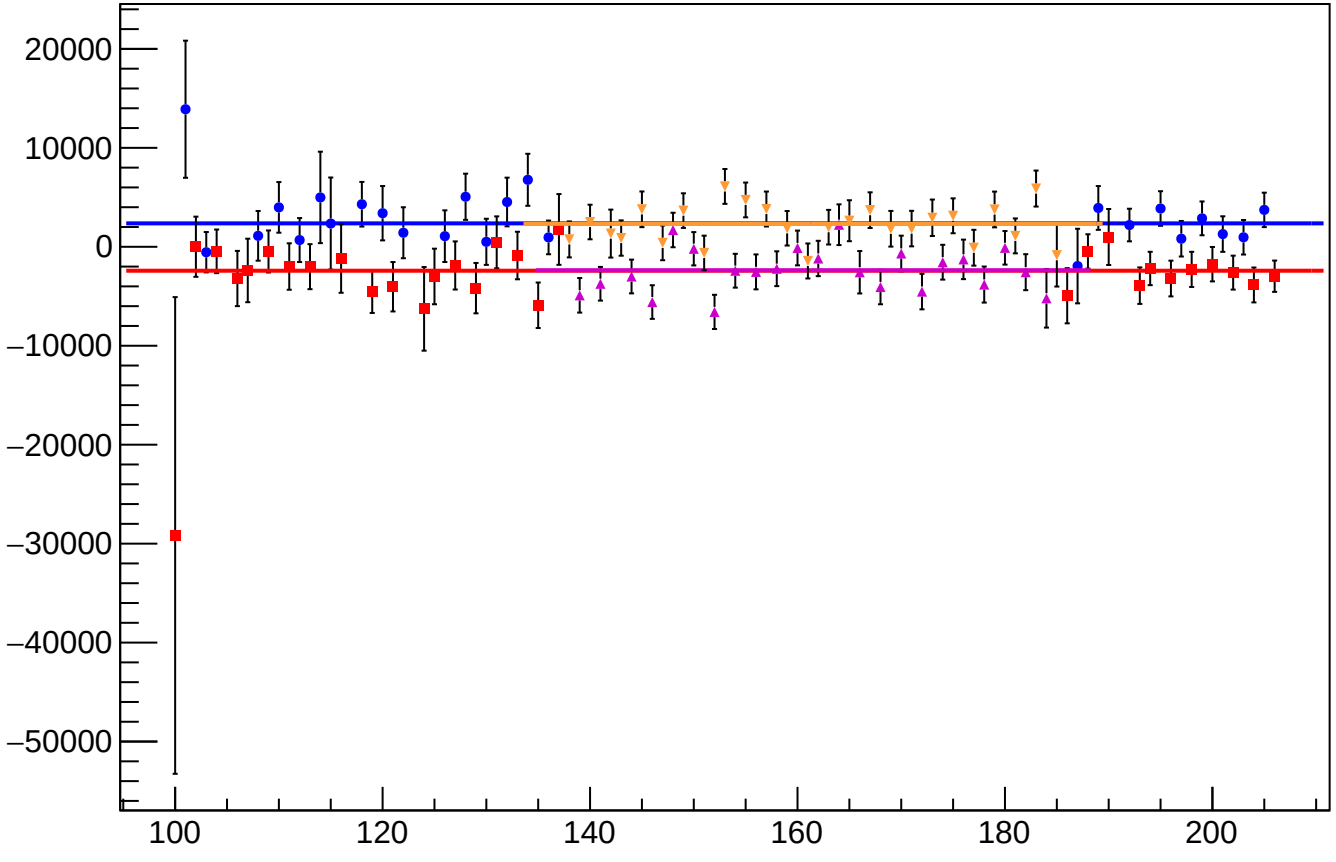
Left In: 0.000+/-0.000 χ^2/NDF:4577795.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 11647228.5/48

All: 0.000+/-0.000 χ^2/NDF: 23424350.5/101

- sign 0.000+/-0.000 χ^2/NDF: 11757127.3/52

reg_asym_usr_atr1_avg_mean vs Slug



Right In: 2367.141+/-442.391 χ^2/NDF: 18.9/24

Left Out: 2321.067+/-366.301 χ^2/NDF:27.5/24

Right Out: -2417.162+/-410.230 χ^2/NDF: 17.2/29

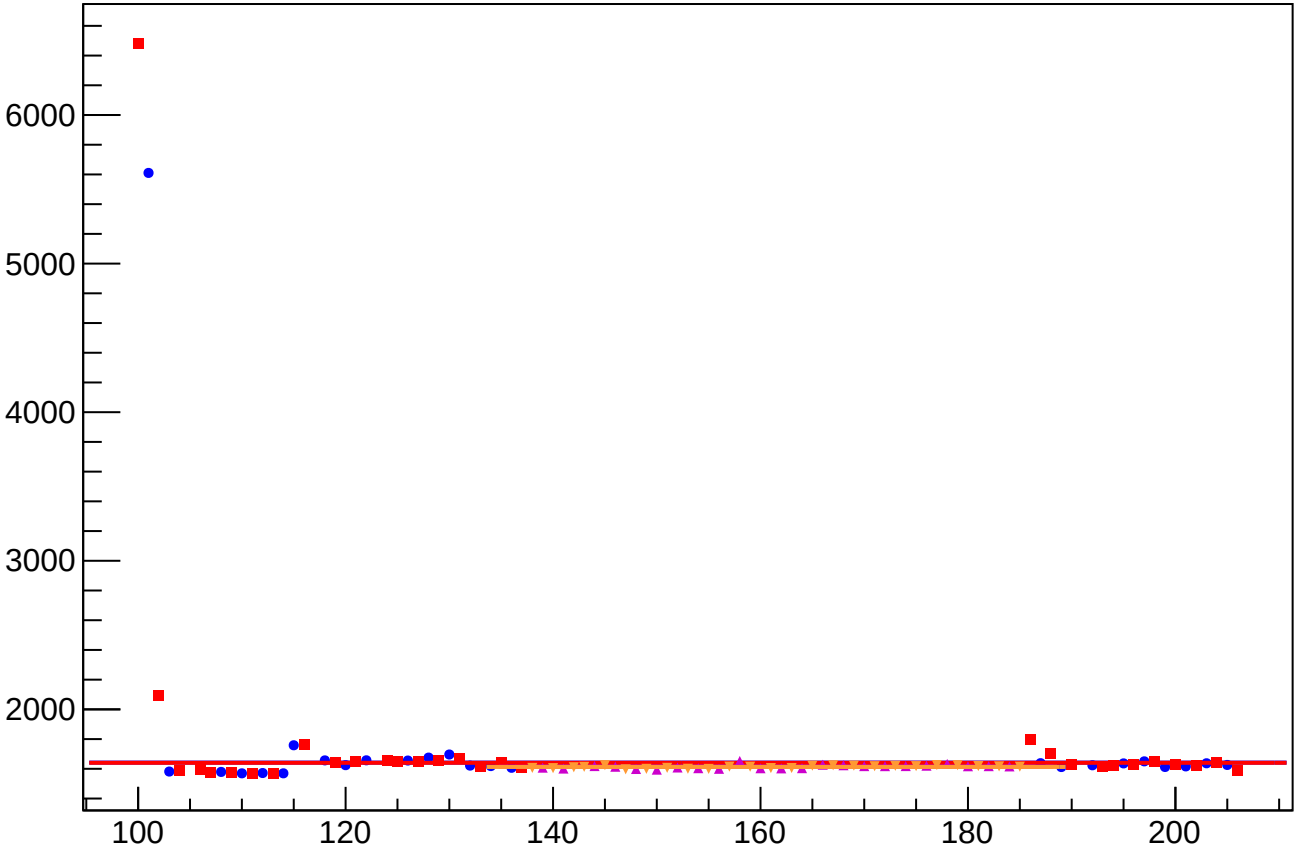
Left In: -2370.629+/-376.798 χ^2/NDF:33.7/22

+ sign 2339.807+/-282.139 χ^2/NDF: 46.4/49

All: -65.241+/-197.843 χ^2/NDF: 240.3/102

- sign -2391.922+/-277.504 χ^2/NDF: 51.0/52

reg_asym_usr_atr1_avg_rms vs Slug



Right In: 1641.914+/-0.313 χ^2/NDF: 669184.6/24

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1640.469+/-0.290 χ^2/NDF: 148609.9/29

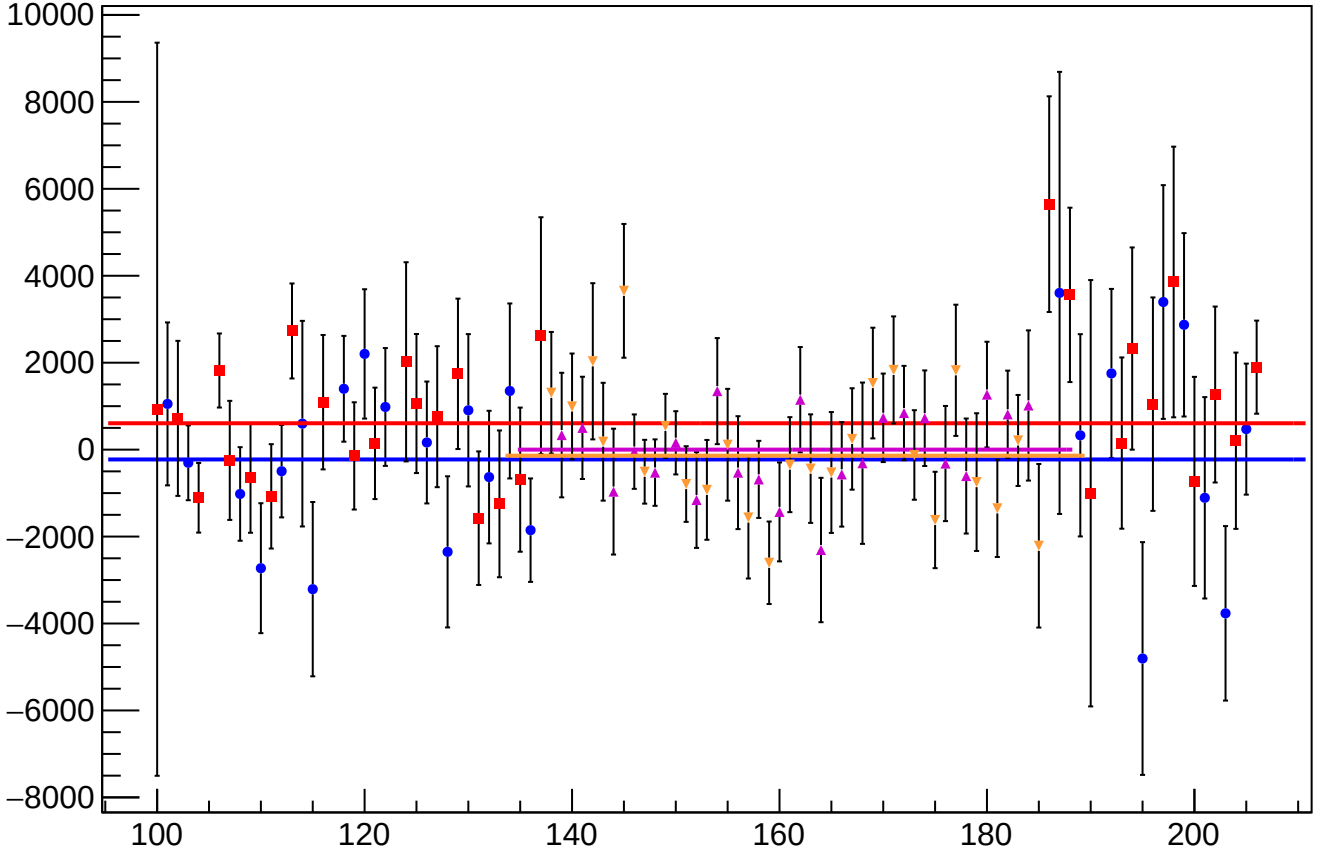
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.527+/-0.200 χ^2/NDF: 675564.3/49

All: 1625.276+/-0.140 χ^2/NDF: 831143.6/102

- sign 1626.000+/-0.196 χ^2/NDF: 155551.7/52

asym_usr_atr1_avg_reg_correction_mean vs Slug



Right In: -226.075+/-310.931 χ^2/NDF: 28.0/24

Left Out: -139.022+/-229.126 χ^2/NDF:30.2/24

Right Out: 606.692+/-278.362 χ^2/NDF: 29.7/29

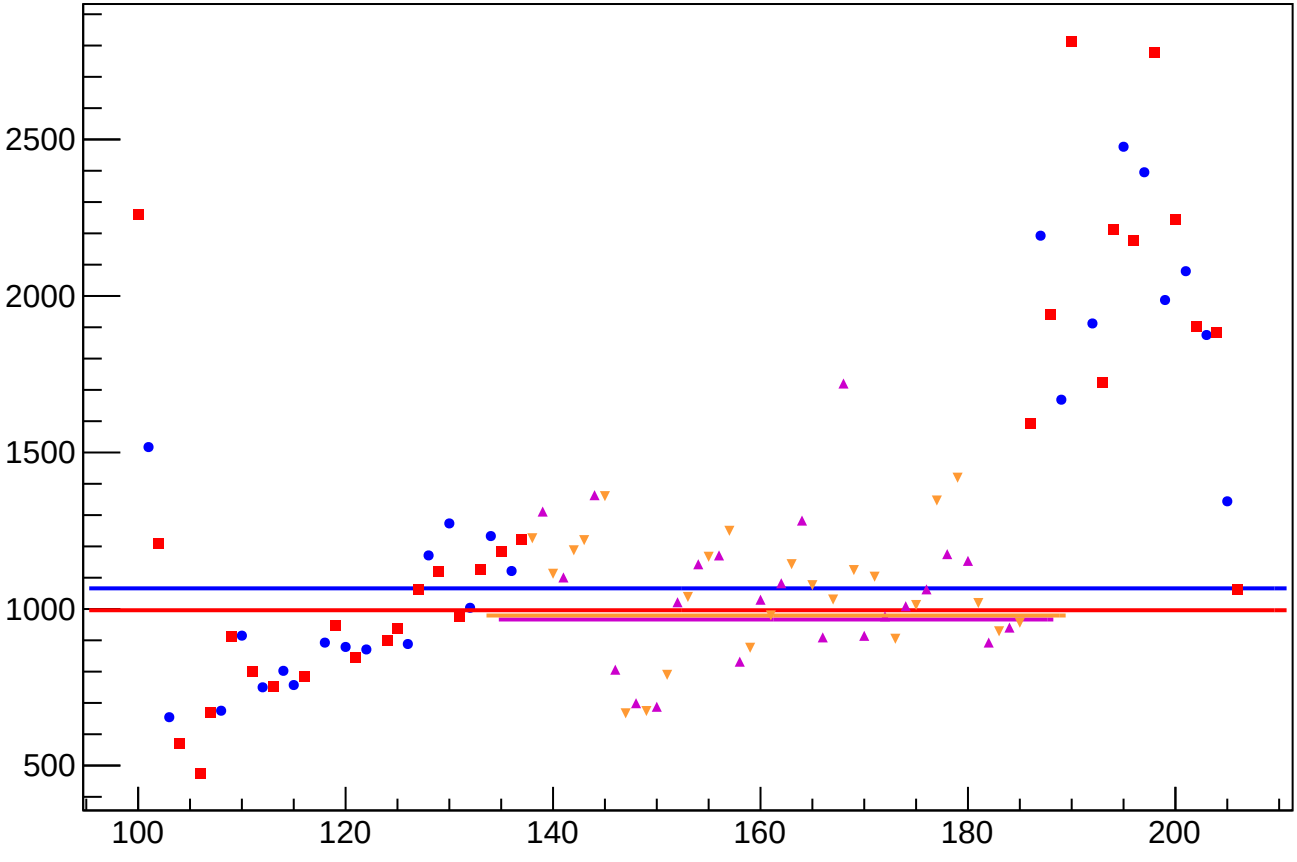
Left In: 0.092+/-231.903 χ^2/NDF:12.9/22

\+ sign -169.658+/-184.454 χ^2/NDF: 58.2/49

All: 46.722+/-128.150 χ^2/NDF: 106.2/102

\- sign 248.616+/-178.173 χ^2/NDF: 45.3/52

asym_usr_atr1_avg_reg_correction_rms vs Slug



Right In: 1066.025+/-0.220 χ^2/NDF: 4122022.1/24

Left Out: 979.294+/-0.162 χ^2/NDF:1630623.2/24

Right Out: 996.099+/-0.197 χ^2/NDF: 5905073.6/29

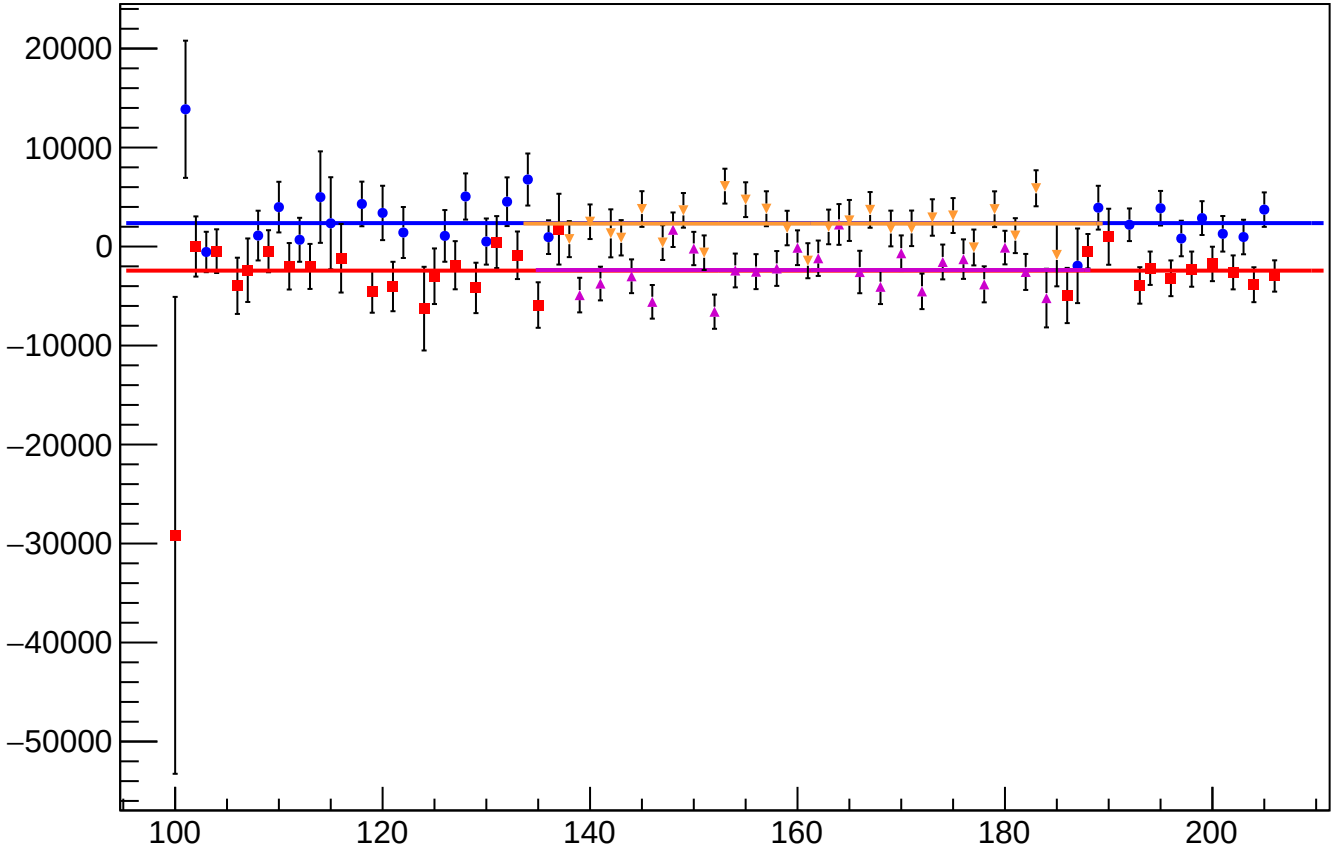
Left In: 966.526+/-0.164 χ^2/NDF:1602596.2/22

+ sign 1009.817+/-0.130 χ^2/NDF: 5853493.5/49

All: 993.690+/-0.091 χ^2/NDF: 13404042.3/10

- sign 978.642+/-0.126 χ^2/NDF: 7520995.5/52

cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2366.892+/-442.391 χ^2/NDF: 18.9/24

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2432.615+/-410.382 χ^2/NDF: 17.5/29

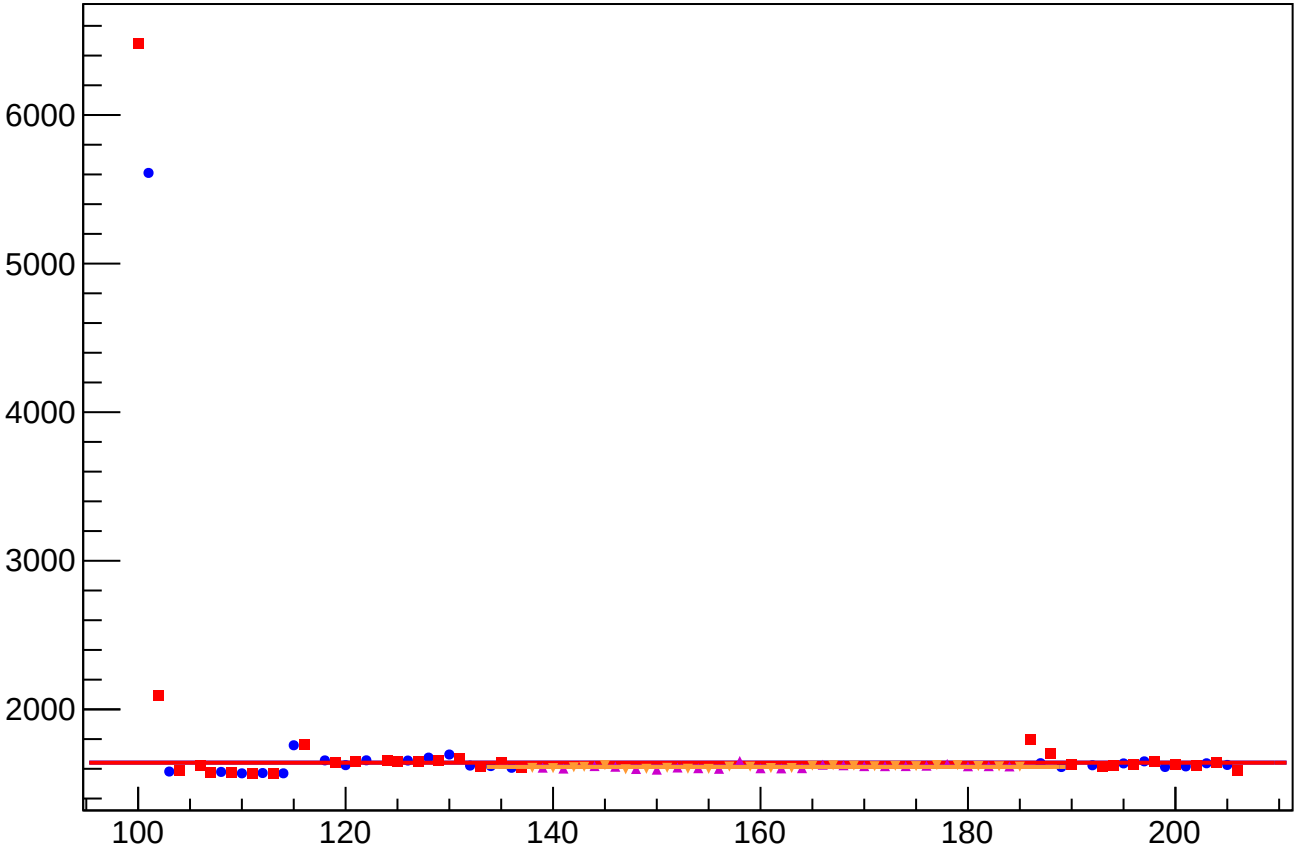
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2339.681+/-282.139 χ^2/NDF: 46.4/49

All: -68.508+/-197.860 χ^2/NDF: 240.9/102

- sign -2399.021+/-277.551 χ^2/NDF: 51.2/52

cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1641.914+/-0.313 χ^2/NDF: 669184.1/24

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

Right Out: 1641.057+/-0.290 χ^2/NDF: 148141.6/29

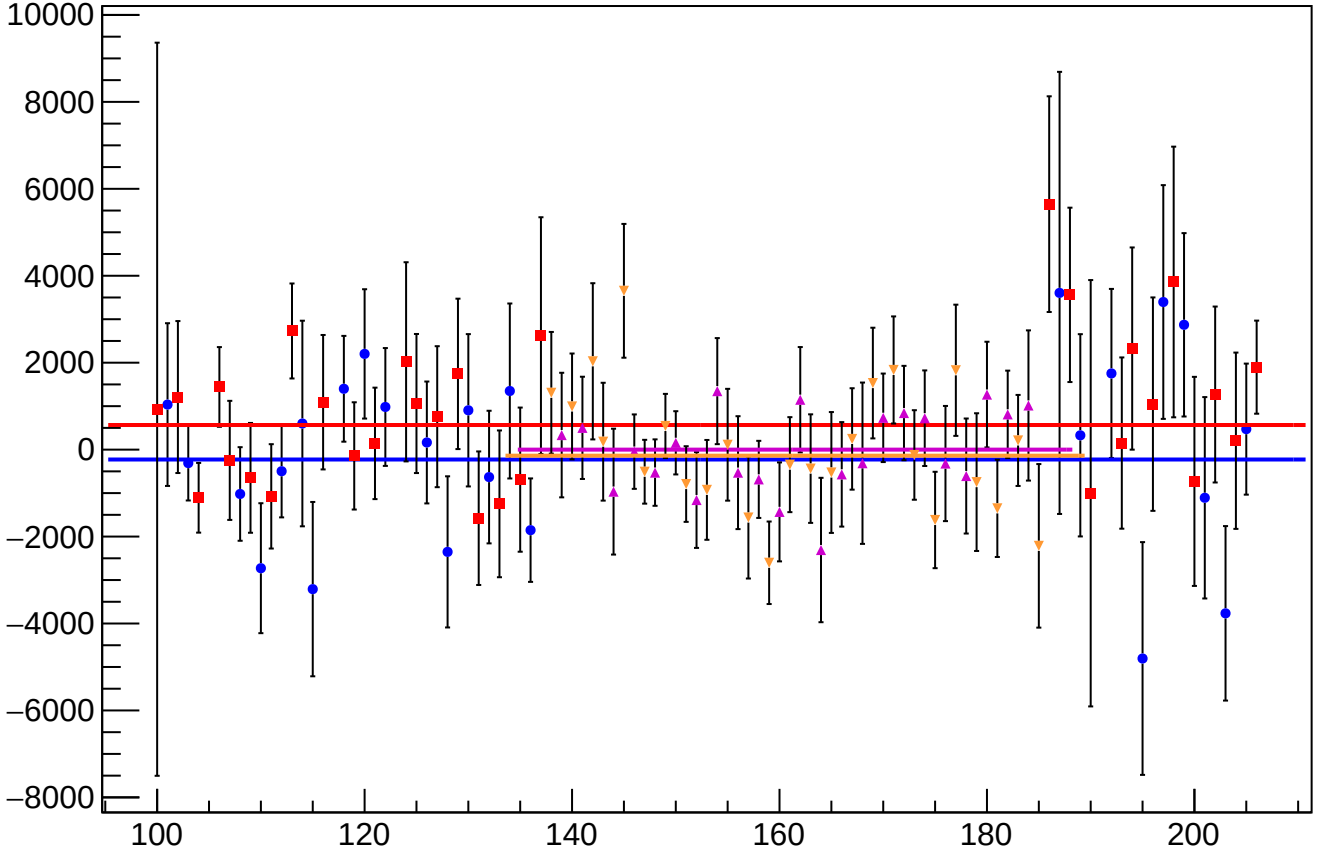
Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.527+/-0.200 χ^2/NDF: 675563.8/49

All: 1625.410+/-0.140 χ^2/NDF: 830888.2/102

- sign 1626.264+/-0.196 χ^2/NDF: 155285.9/52

asym_usr_atr1_avg_cor_correction_mean vs Slug



Right In: -227.184+/-310.898 χ^2/NDF: 28.0/24

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

Right Out: 566.424+/-280.307 χ^2/NDF: 28.5/29

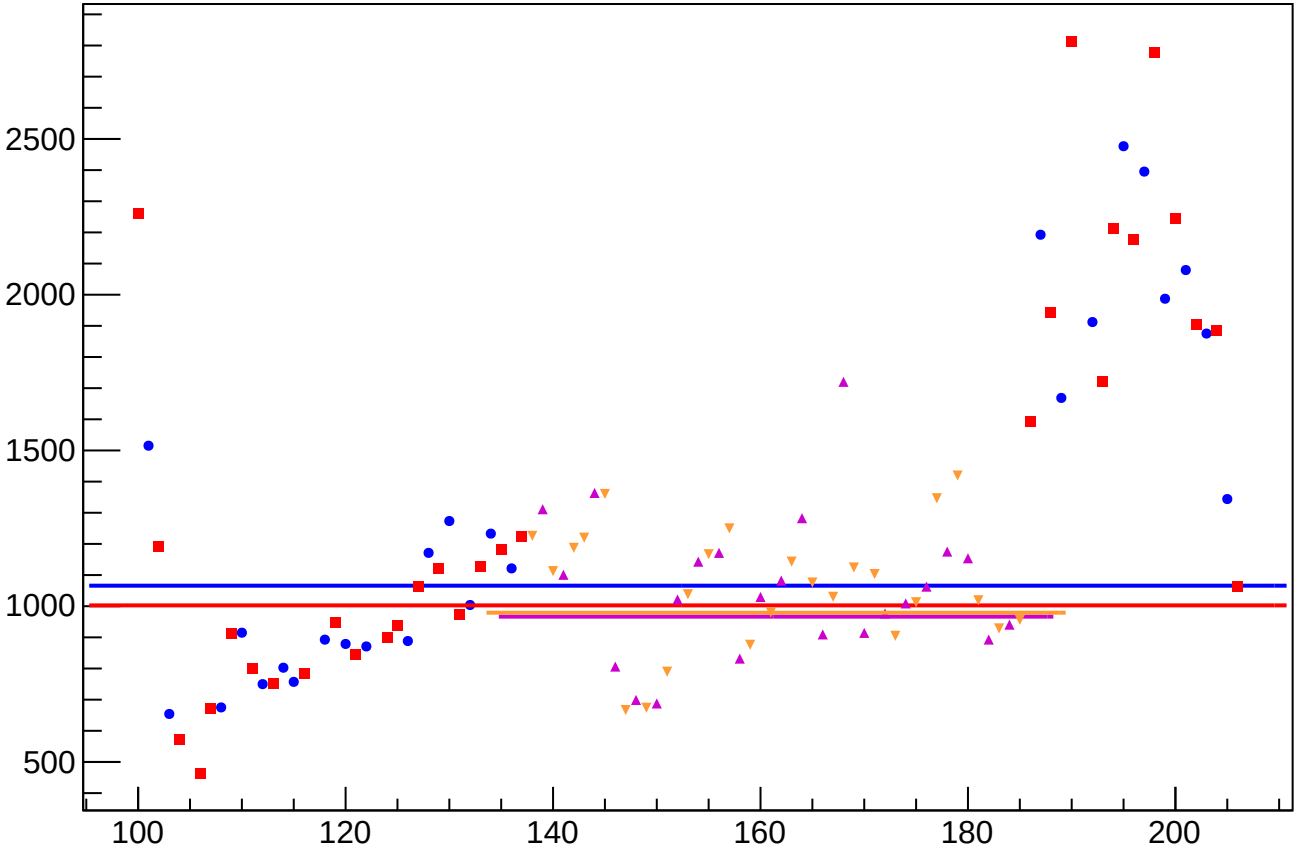
Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -170.086+/-184.447 χ^2/NDF: 58.2/49

All: 36.411+/-128.336 χ^2/NDF: 104.5/102

\- sign 230.200+/-178.681 χ^2/NDF: 43.8/52

asym_usr_atr1_avg_cor_correction_rms vs Slug



Right In: 1065.905+/-0.220 χ^2/NDF: 4122534.0/24

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1002.664+/-0.198 χ^2/NDF: 5823541.7/29

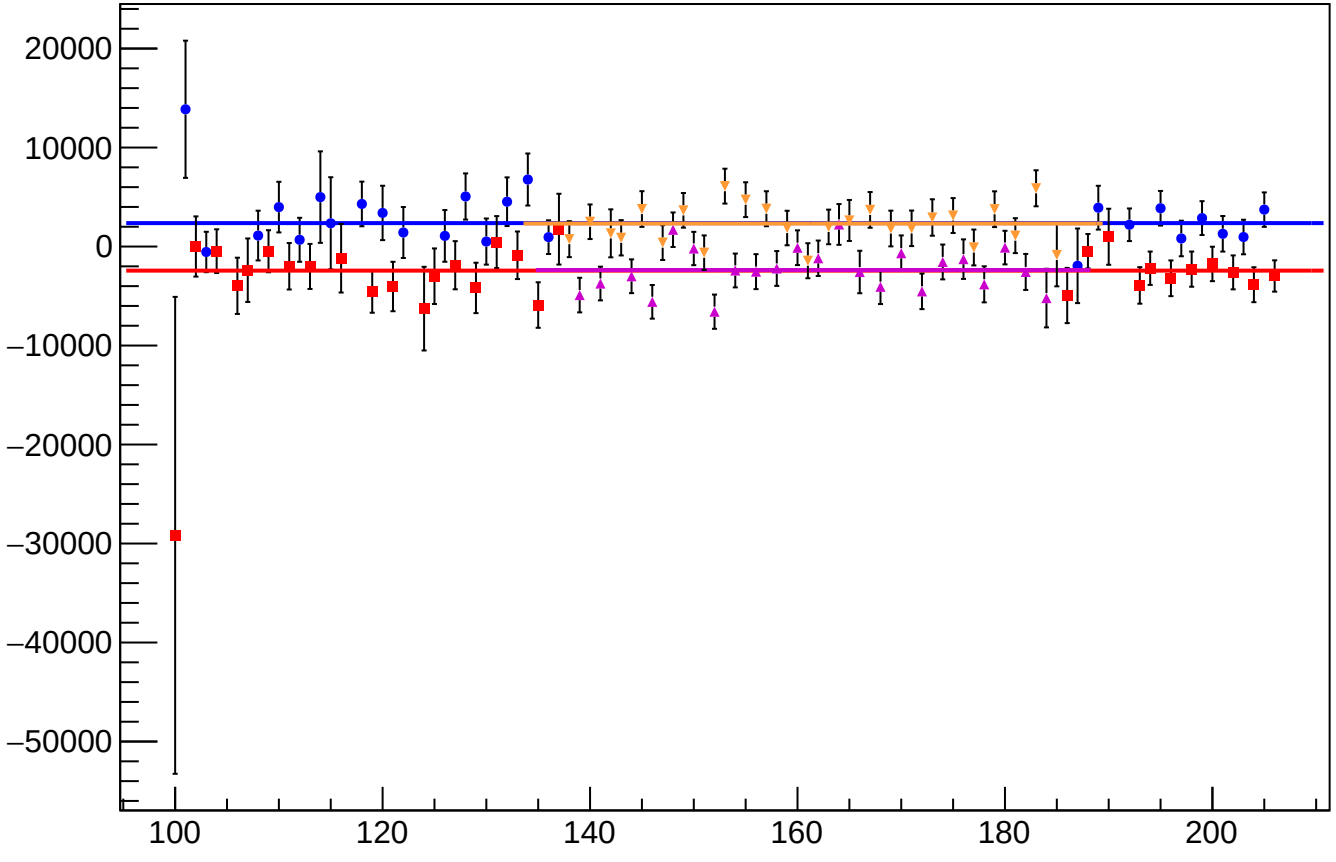
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1009.775+/-0.130 χ^2/NDF: 5853863.9/49

All: 995.041+/-0.091 χ^2/NDF: 13324436.0/10

- sign 981.214+/-0.126 χ^2/NDF: 7445833.2/52

eigen_cor_asym_usr_atr1_avg_mean vs Slug



Right In: 2366.892+/-442.391 χ^2/NDF: 18.9/24

Left Out: 2321.025+/-366.301 χ^2/NDF:27.5/24

Right Out: -2432.615+/-410.382 χ^2/NDF: 17.5/29

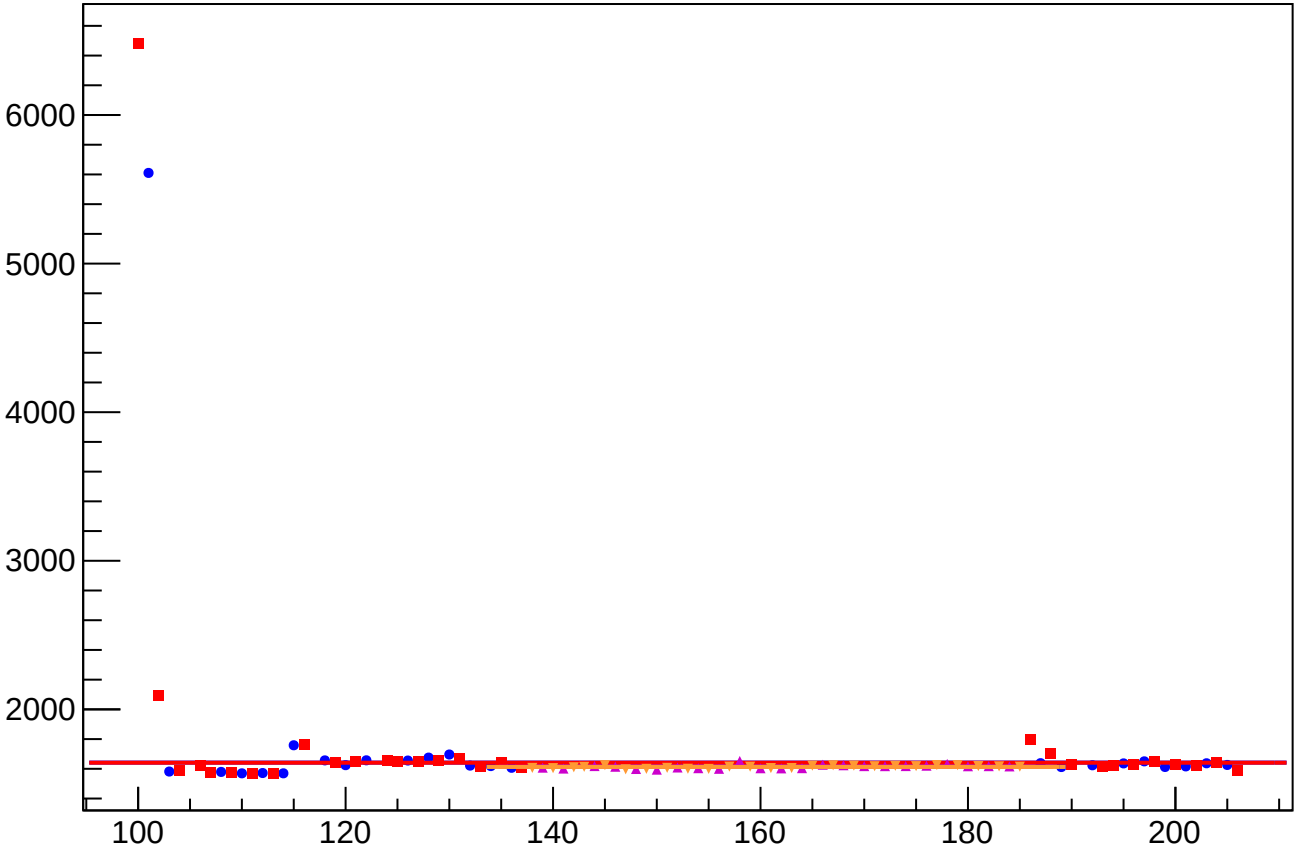
Left In: -2370.700+/-376.798 χ^2/NDF:33.7/22

+ sign 2339.681+/-282.139 χ^2/NDF: 46.4/49

All: -68.508+/-197.860 χ^2/NDF: 240.9/102

- sign -2399.021+/-277.551 χ^2/NDF: 51.2/52

eigen_cor_asym_usr_atr1_avg_rms vs Slug



Right In: 1641.914+/-0.313 χ^2/NDF: 669184.1/24

Left Out: 1612.607+/-0.259 χ^2/NDF:1172.5/24

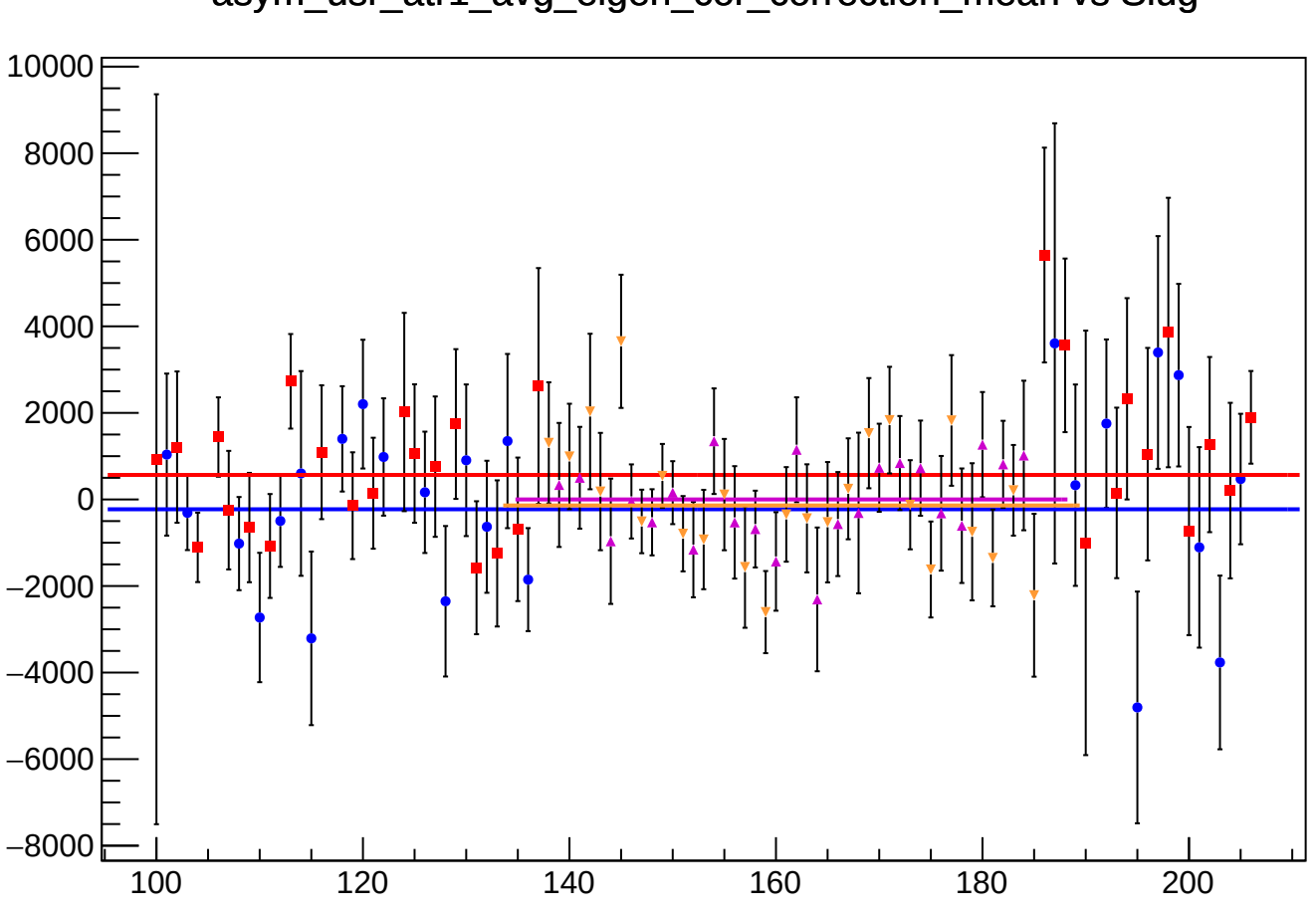
Right Out: 1641.057+/-0.290 χ^2/NDF: 148141.6/29

Left In: 1613.793+/-0.266 χ^2/NDF:2354.6/22

+ sign 1624.527+/-0.200 χ^2/NDF: 675563.8/49

All: 1625.410+/-0.140 χ^2/NDF: 830888.2/102

- sign 1626.264+/-0.196 χ^2/NDF: 155285.9/52



Right In: -227.184+/-310.898 χ^2/NDF: 28.0/24

Left Out: -139.074+/-229.125 χ^2/NDF:30.2/24

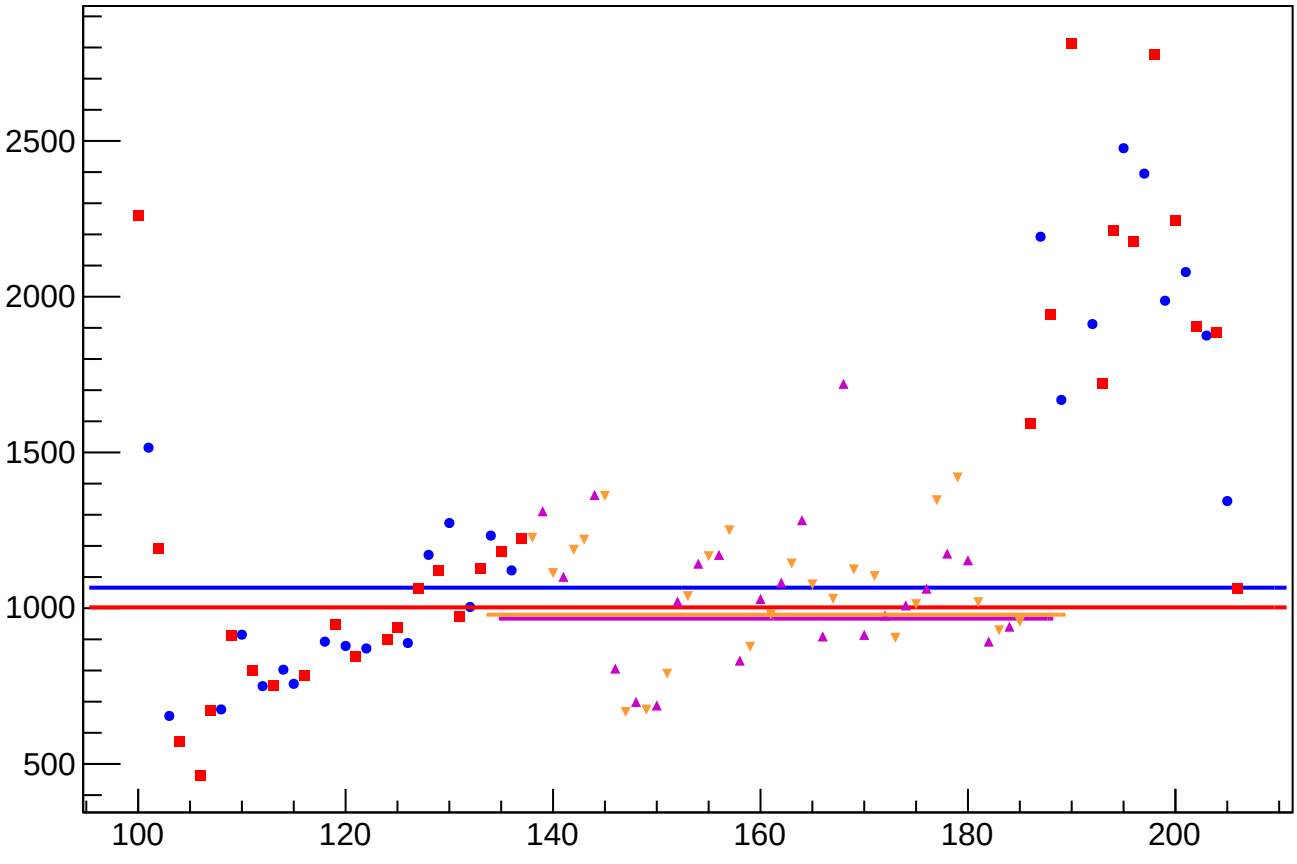
Right Out: 566.424+/-280.307 χ^2/NDF: 28.5/29

Left In: 0.068+/-231.904 χ^2/NDF:12.9/22

\+ sign -170.086+/-184.447 χ^2/NDF: 58.2/49

All: 36.411+/-128.336 χ^2/NDF: 104.5/102

\- sign 230.200+/-178.681 χ^2/NDF: 43.8/52



Right In: 1065.905+/-0.220 χ^2/NDF: 4122534.0/24

Left Out: 979.288+/-0.162 χ^2/NDF:1630731.2/24

Right Out: 1002.664+/-0.198 χ^2/NDF: 5823541.7/29

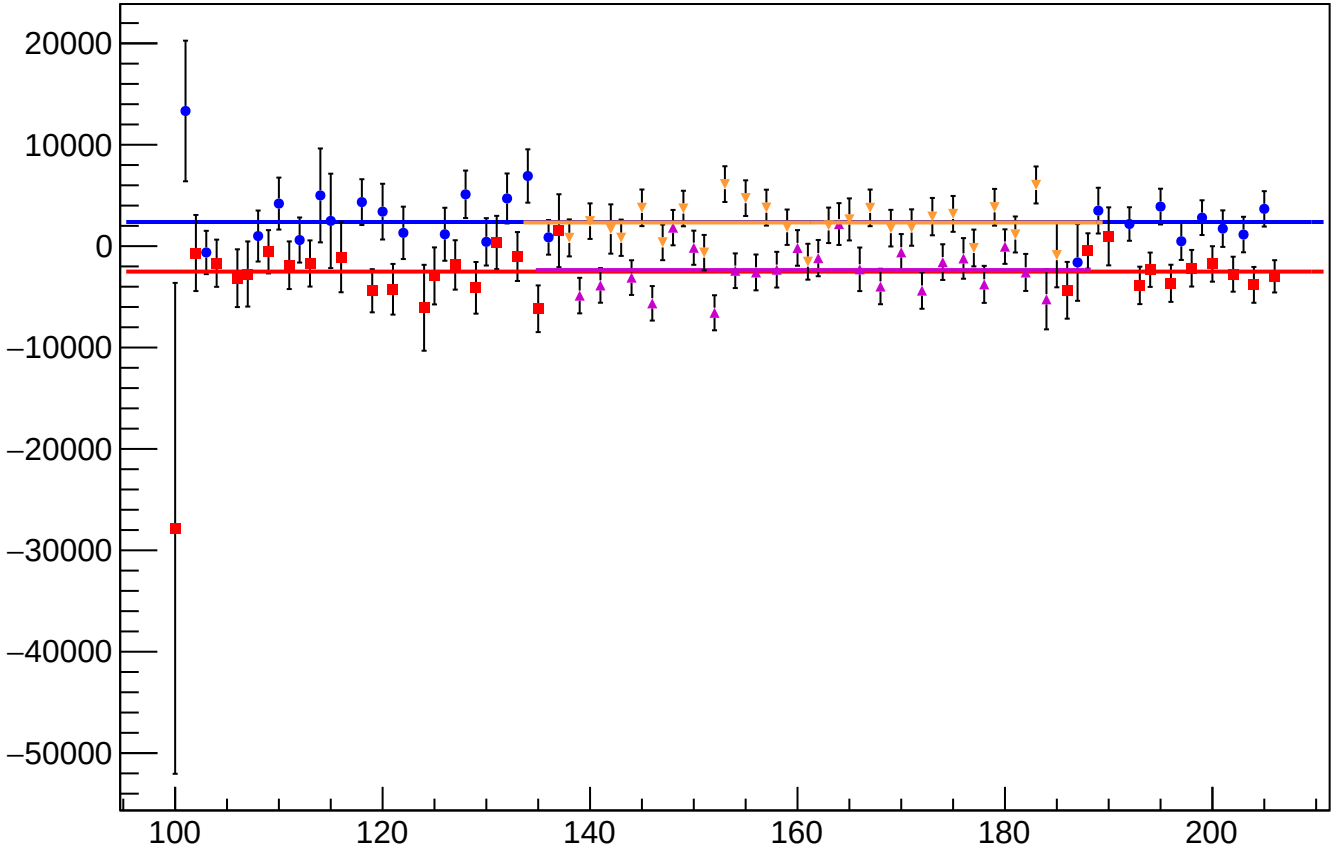
Left In: 966.531+/-0.164 χ^2/NDF:1602562.1/22

+ sign 1009.775+/-0.130 χ^2/NDF: 5853863.9/49

All: 995.041+/-0.091 χ^2/NDF: 13324436.0/10

- sign 981.214+/-0.126 χ^2/NDF: 7445833.2/52

dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2381.262+/-445.396 χ^2/NDF: 18.7/24

Left Out: 2334.840+/-366.991 χ^2/NDF:28.3/24

Right Out: -2510.120+/-414.247 χ^2/NDF: 15.7/29

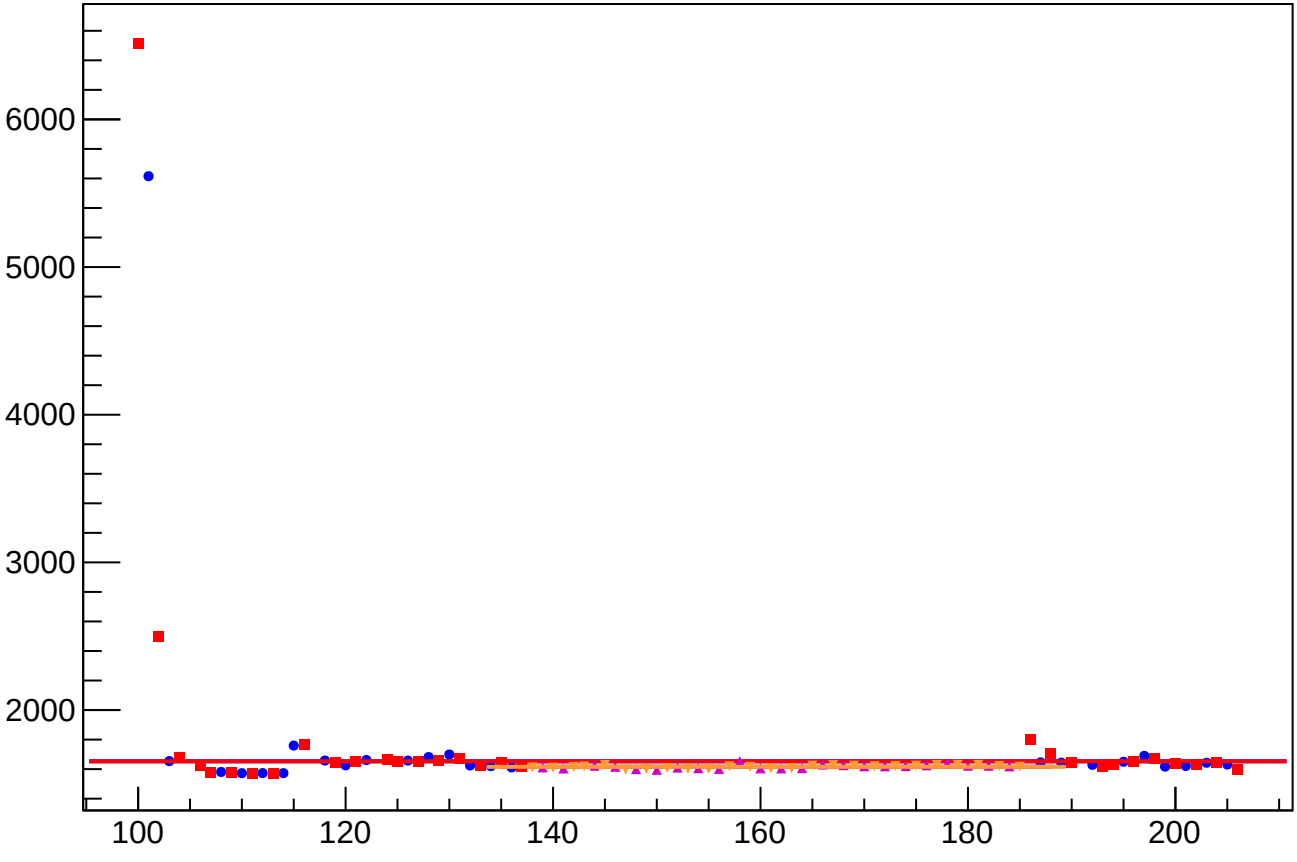
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2353.612+/-283.231 χ^2/NDF: 46.9/49

All: -73.459+/-198.755 χ^2/NDF: 241.3/102

- sign -2428.246+/-278.981 χ^2/NDF: 49.8/52

dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1652.965+/-0.315 χ^2/NDF: 666946.4/24

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

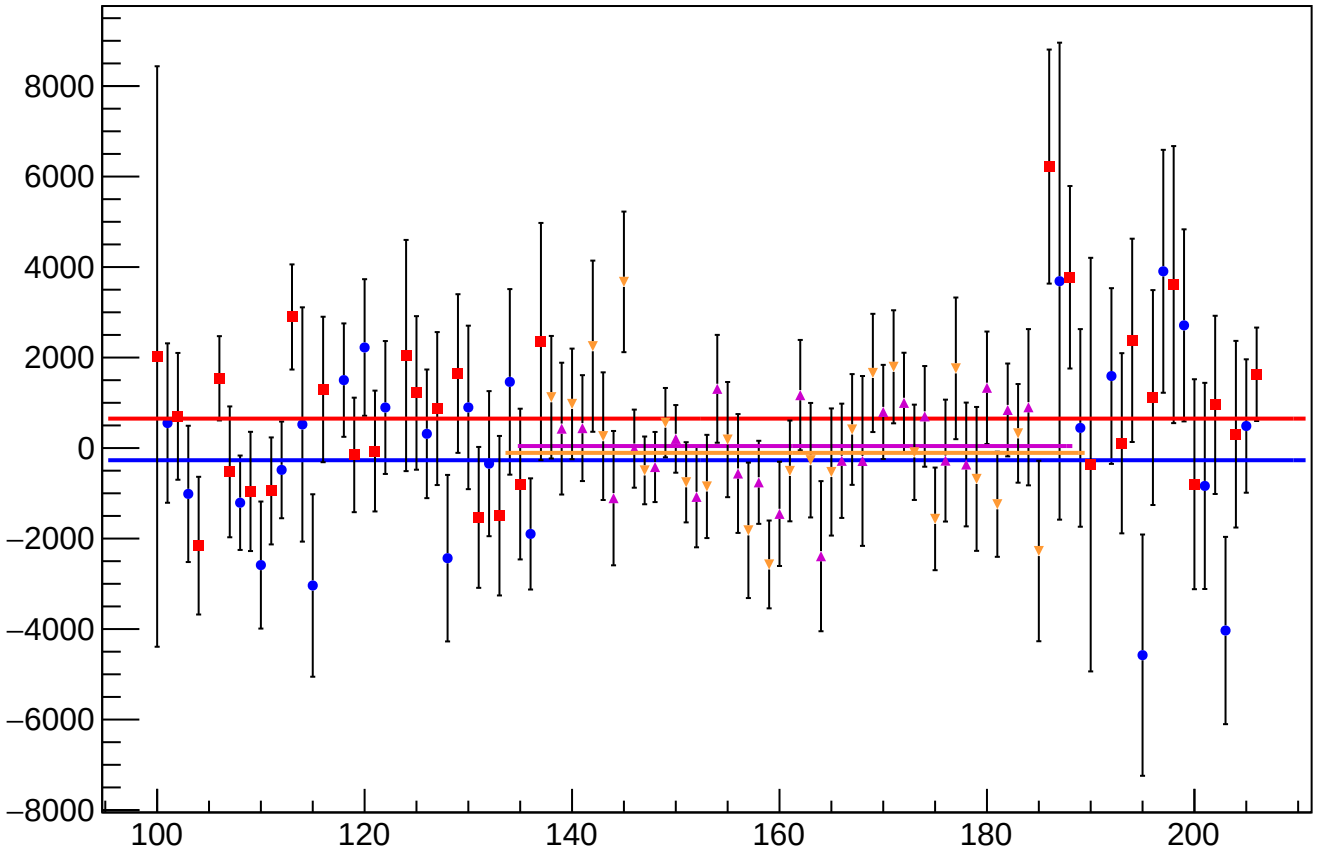
Right Out: 1653.053+/-0.293 χ^2/NDF: 205255.3/29

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.729+/-0.200 χ^2/NDF: 676762.5/49

All: 1631.883+/-0.141 χ^2/NDF: 893215.4/102

- sign 1633.003+/-0.197 χ^2/NDF: 216387.5/52



Right In: -268.893+/-328.172 χ^2/NDF: 28.0/24

Left Out: -106.338+/-234.306 χ^2/NDF:29.0/24

Right Out: 650.859+/-295.994 χ^2/NDF: 28.4/29

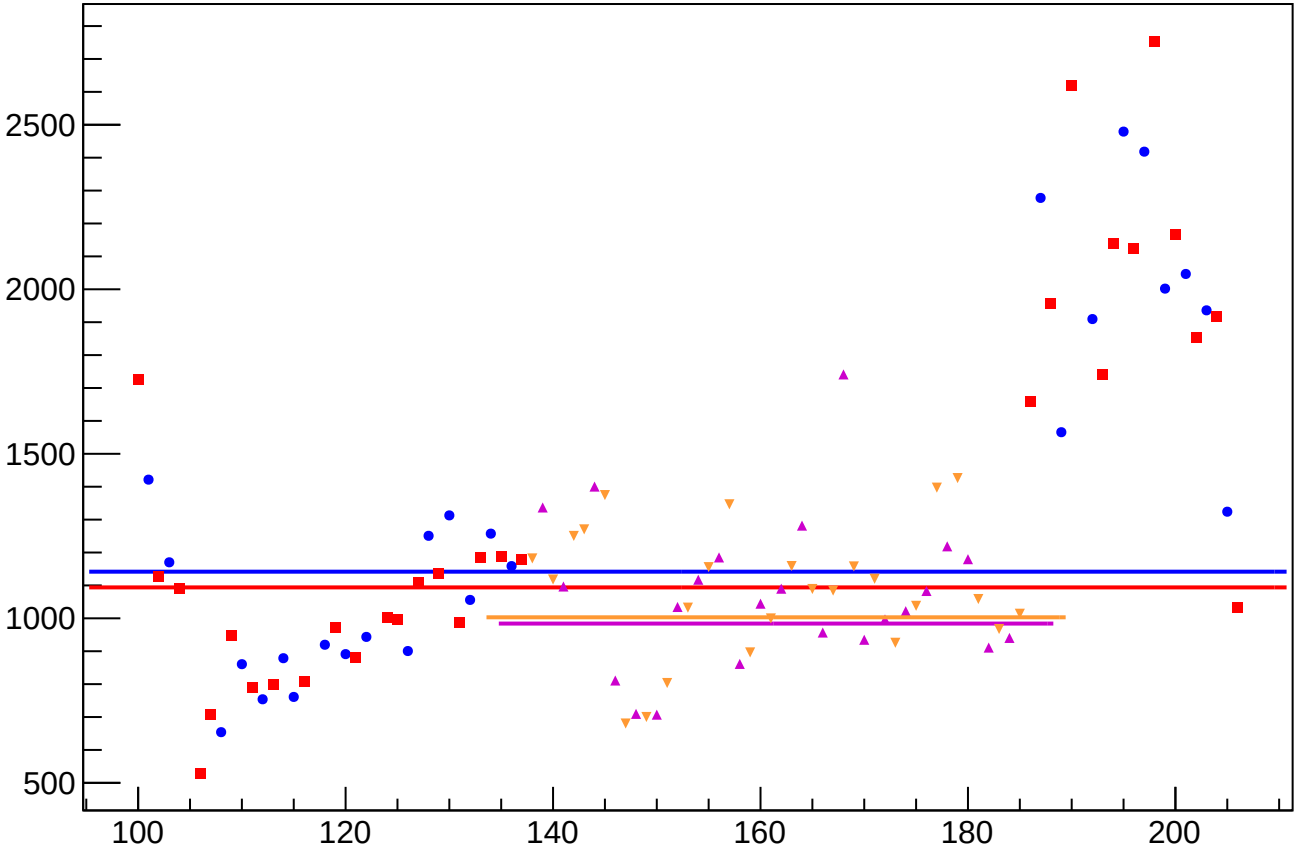
Left In: 44.469+/-235.733 χ^2/NDF:12.8/22

\+ sign -161.223+/-190.691 χ^2/NDF: 57.2/49

All: 66.691+/-132.558 χ^2/NDF: 103.7/102

\- sign 279.812+/-184.399 χ^2/NDF: 43.7/52

asym_usr_atr1_avg_dit_correction_rms vs Slug



Right In: 1141.778+/-0.232 χ^2/NDF: 3579419.4/24

Left Out: 1003.101+/-0.166 χ^2/NDF:1598415.6/24

Right Out: 1093.989+/-0.209 χ^2/NDF: 4698697.3/29

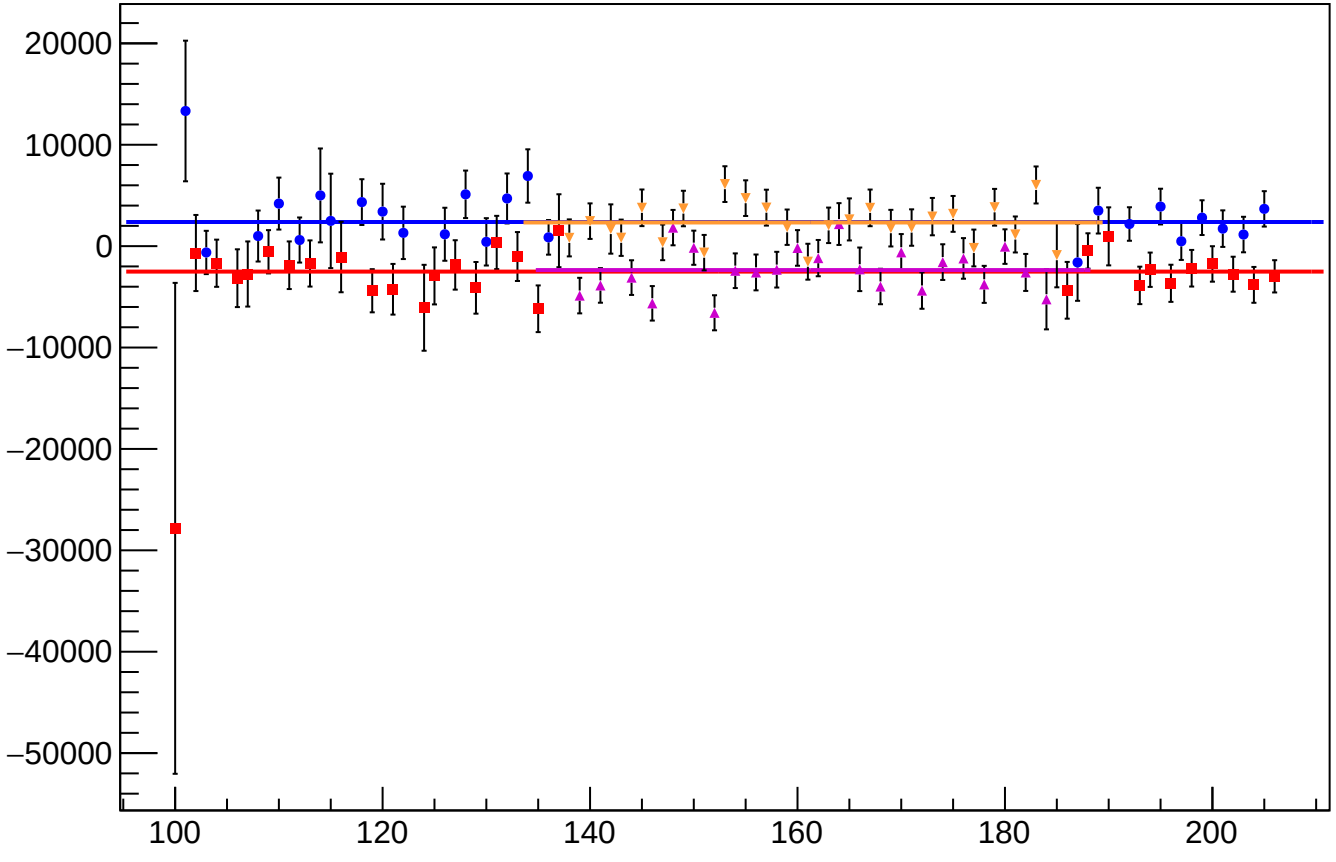
Left In: 984.053+/-0.167 χ^2/NDF:1559561.5/22

+ sign 1049.924+/-0.135 χ^2/NDF: 5414389.1/49

All: 1037.933+/-0.094 χ^2/NDF: 11856768.5/1

- sign 1026.720+/-0.130 χ^2/NDF: 6427075.5/52

eigen_dit_asym_usr_atr1_avg_mean vs Slug



Right In: 2381.262+/-445.396 χ^2/NDF: 18.7/24

Left Out: 2334.839+/-366.991 χ^2/NDF:28.3/24

Right Out: -2510.118+/-414.247 χ^2/NDF: 15.7/29

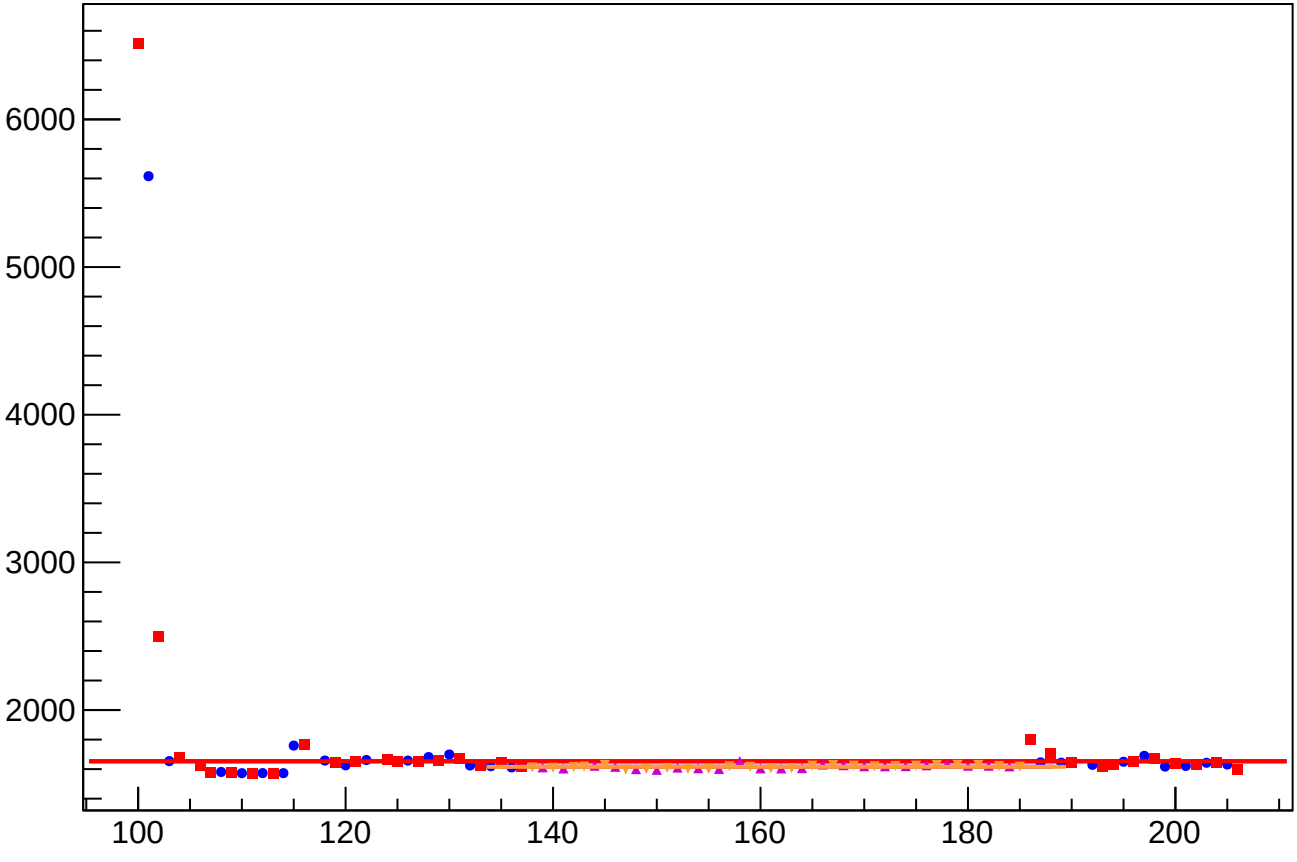
Left In: -2360.289+/-377.400 χ^2/NDF:34.0/22

+ sign 2353.612+/-283.231 χ^2/NDF: 46.9/49

All: -73.459+/-198.755 χ^2/NDF: 241.3/102

- sign -2428.245+/-278.981 χ^2/NDF: 49.8/52

eigen_dit_asym_usr_atr1_avg_rms vs Slug



Right In: 1652.965+/-0.315 χ^2/NDF: 666946.4/24

Left Out: 1615.633+/-0.260 χ^2/NDF:1447.2/24

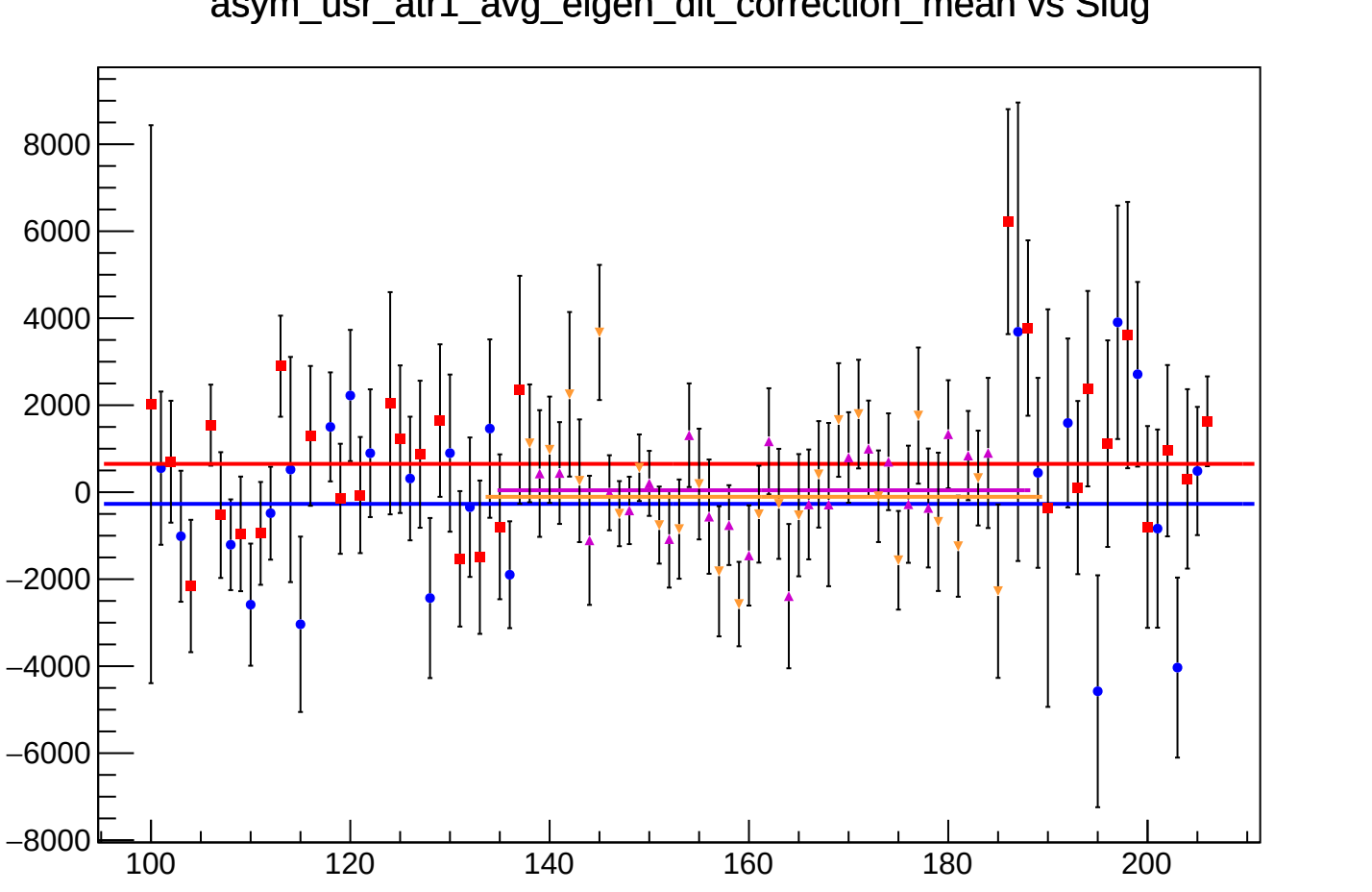
Right Out: 1653.053+/-0.293 χ^2/NDF: 205255.2/29

Left In: 1616.361+/-0.267 χ^2/NDF:2557.7/22

+ sign 1630.729+/-0.200 χ^2/NDF: 676762.5/49

All: 1631.883+/-0.141 χ^2/NDF: 893215.2/102

- sign 1633.003+/-0.197 χ^2/NDF: 216387.3/52



Right In: -268.893+/-328.171 χ^2/NDF: 28.0/24

Left Out: -106.340+/-234.307 χ^2/NDF:29.0/24

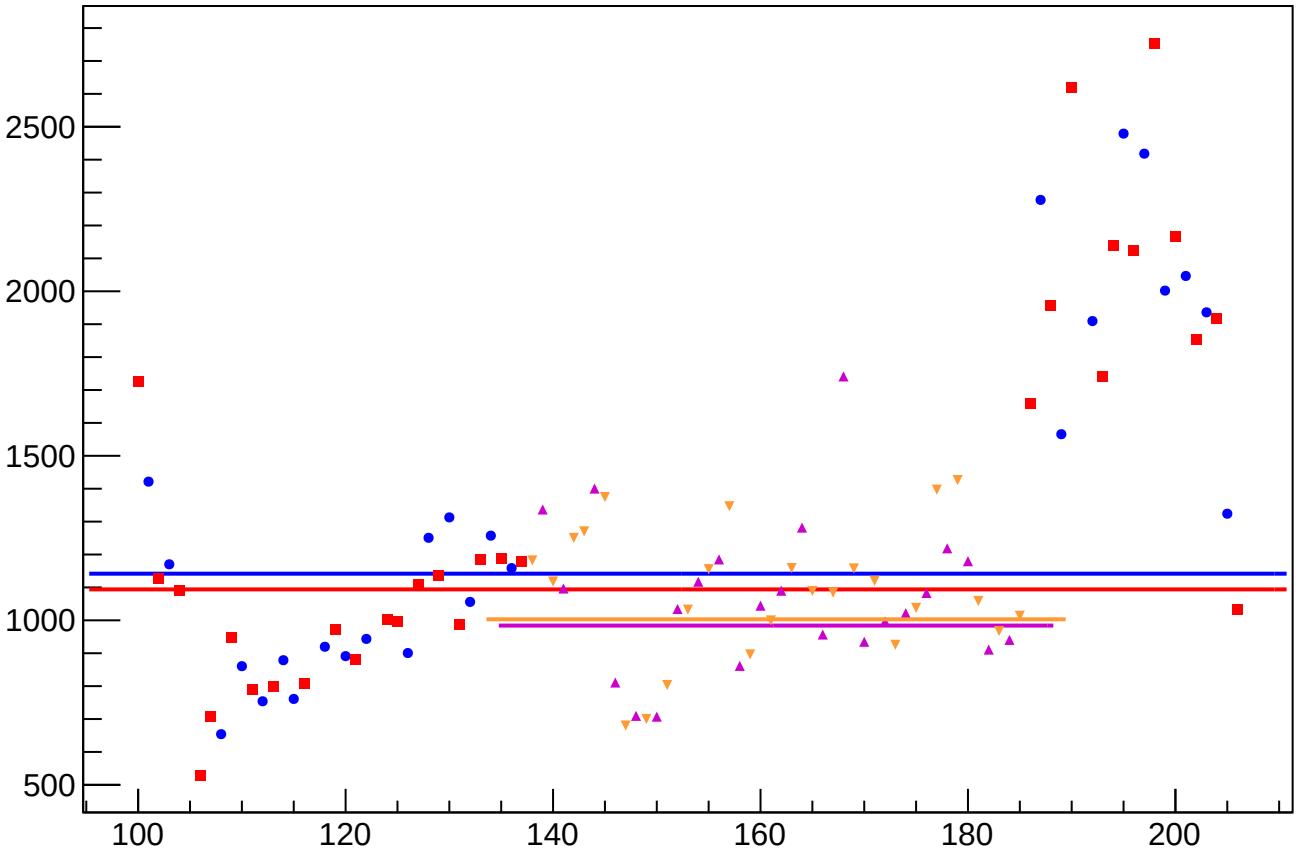
Right Out: 650.856+/-295.993 χ^2/NDF: 28.4/29

Left In: 44.468+/-235.733 χ^2/NDF:12.8/22

+ sign -161.225+/-190.691 χ^2/NDF: 57.2/49

All: 66.690+/-132.558 χ^2/NDF: 103.7/102

- sign 279.812+/-184.399 χ^2/NDF: 43.7/52



Right In: 1141.774+/-0.232 χ^2/NDF: 3579462.6/24

Left Out: 1003.103+/-0.166 χ^2/NDF:1598417.7/24

Right Out: 1093.986+/-0.209 χ^2/NDF: 4698726.1/29

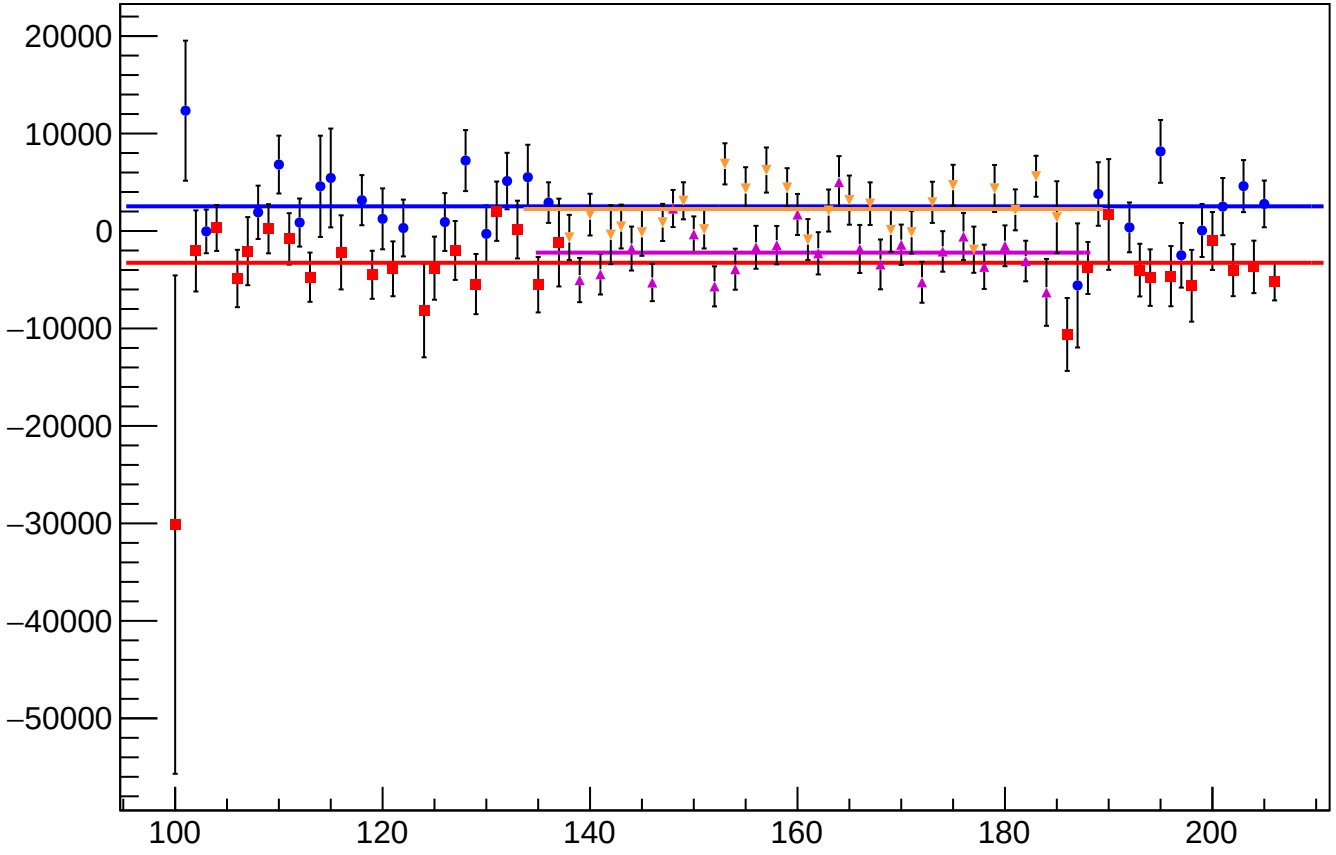
Left In: 984.055+/-0.167 χ^2/NDF:1559563.7/22

+ sign 1049.925+/-0.135 χ^2/NDF: 5414414.1/49

All: 1037.933+/-0.094 χ^2/NDF: 11856810.5/1

- sign 1026.720+/-0.130 χ^2/NDF: 6427092.6/52

asym_usr_atr1_avg_mean vs Slug



Right In: 2531.037+/-589.711 χ^2/NDF: 21.5/24

Left Out: 2252.380+/-442.213 χ^2/NDF:28.3/24

Right Out: -3262.533+/-547.049 χ^2/NDF: 21.6/29

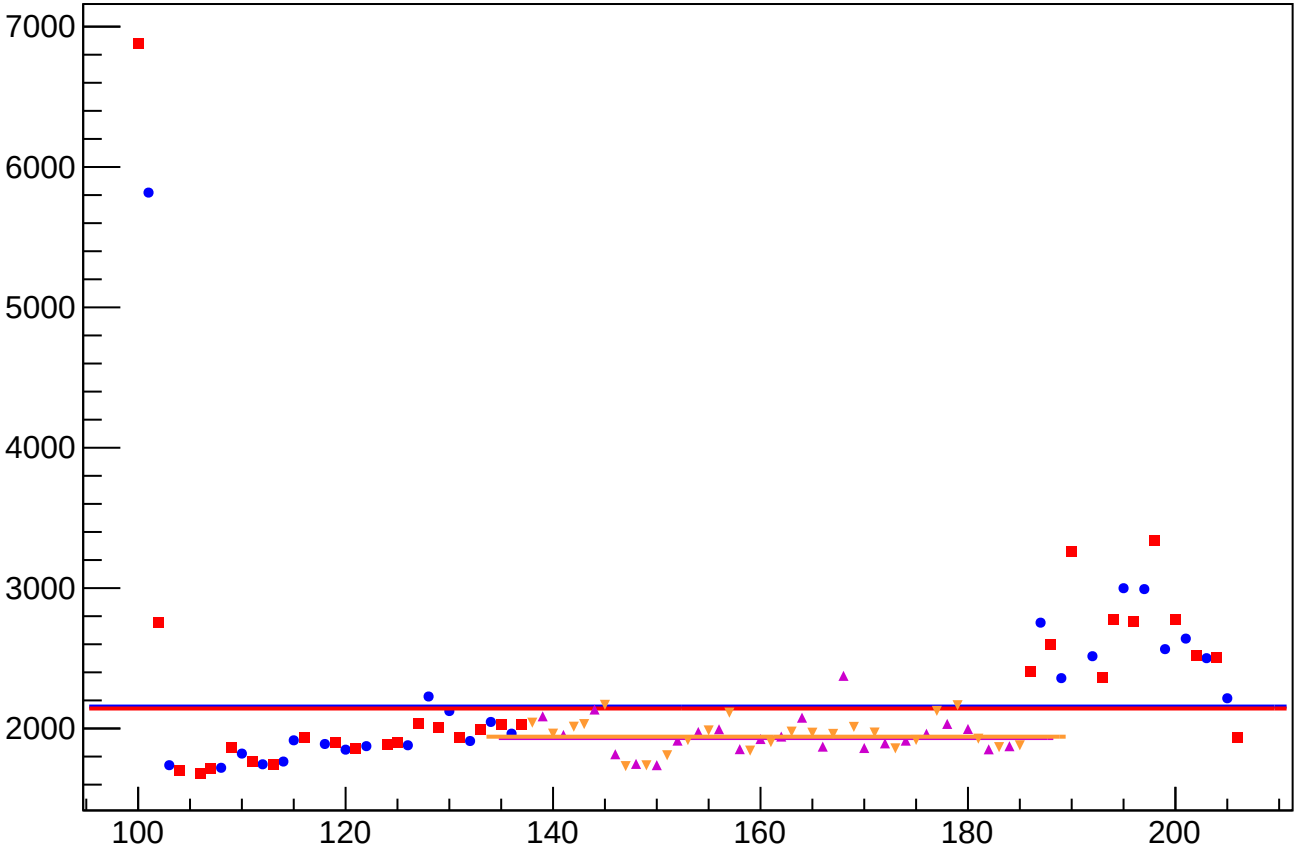
Left In: -2219.401+/-452.286 χ^2/NDF:31.5/22

+ sign 2352.676+/-353.790 χ^2/NDF: 49.9/49

All: -182.202+/-248.304 χ^2/NDF: 206.4/102

- sign -2642.933+/-348.578 χ^2/NDF: 55.3/52

asym_usr_atr1_avg_rms vs Slug



Right In: 2156.210+/-0.417 χ^2/NDF: 1311964.8/24

Left Out: 1941.583+/-0.313 χ^2/NDF:139011.4/24

Right Out: 2142.339+/-0.387 χ^2/NDF: 1205616.9/29

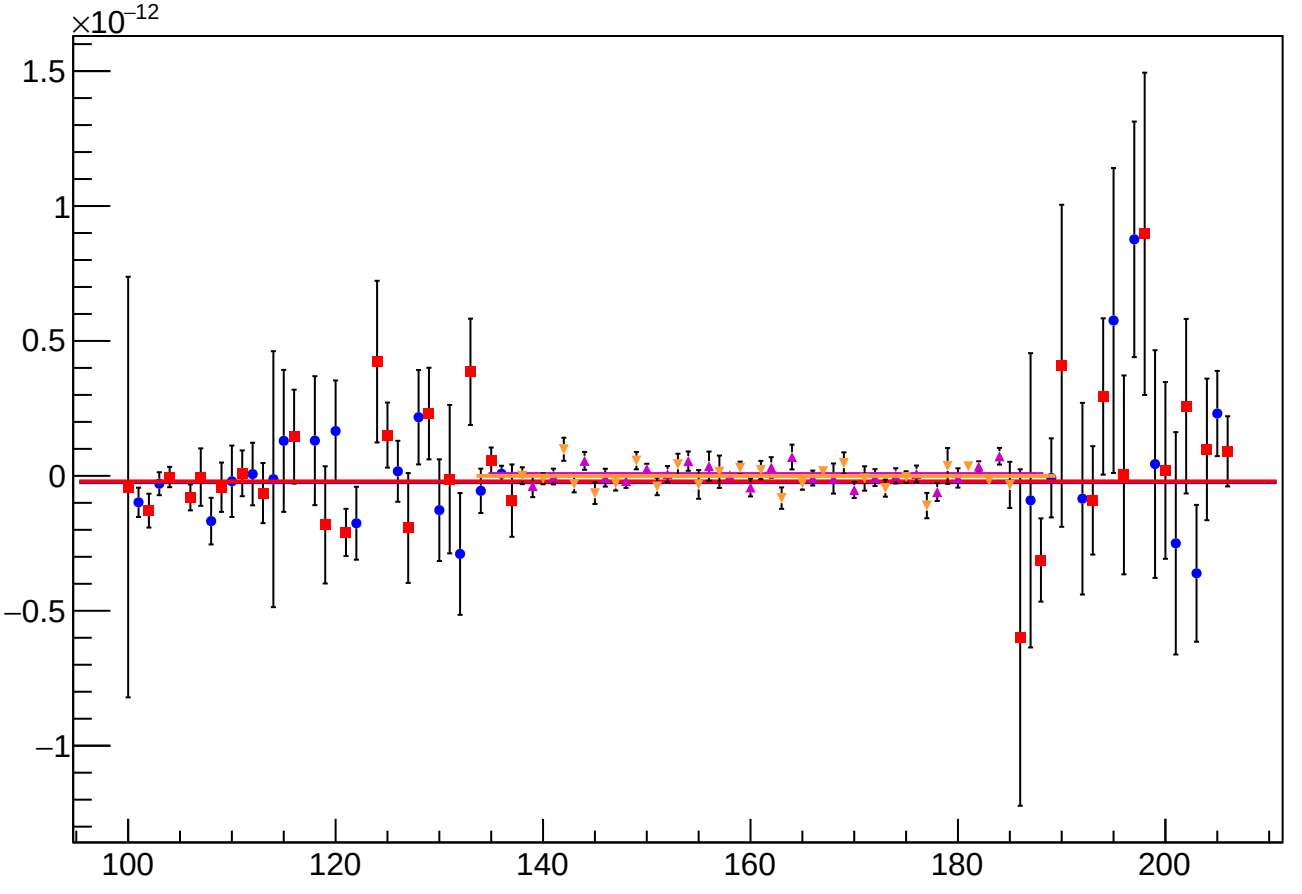
Left In: 1931.812+/-0.320 χ^2/NDF:159877.0/22

+ sign 2018.833+/-0.250 χ^2/NDF: 1620546.5/49

All: 2018.050+/-0.176 χ^2/NDF: 3161999.4/10

- sign 2017.290+/-0.246 χ^2/NDF: 1541433.6/52

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 22.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:40.3/24

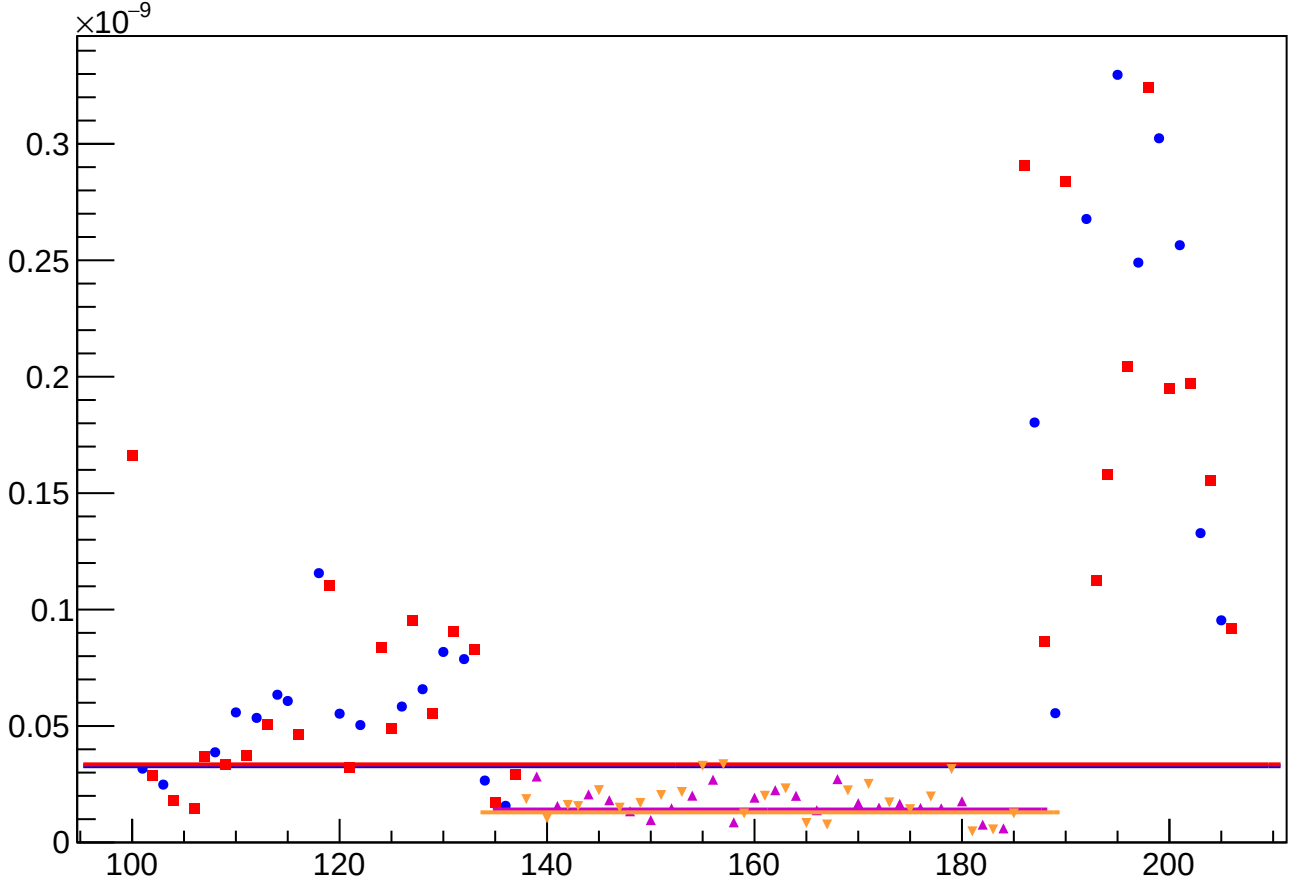
Right Out: -0.000+/-0.000 χ^2/NDF: 35.7/29

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 64.6/49

All: 0.000+/-0.000 χ^2/NDF: 130.3/102

- sign 0.000+/-0.000 χ^2/NDF: 65.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 5749579.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2826186.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6119986.2/29

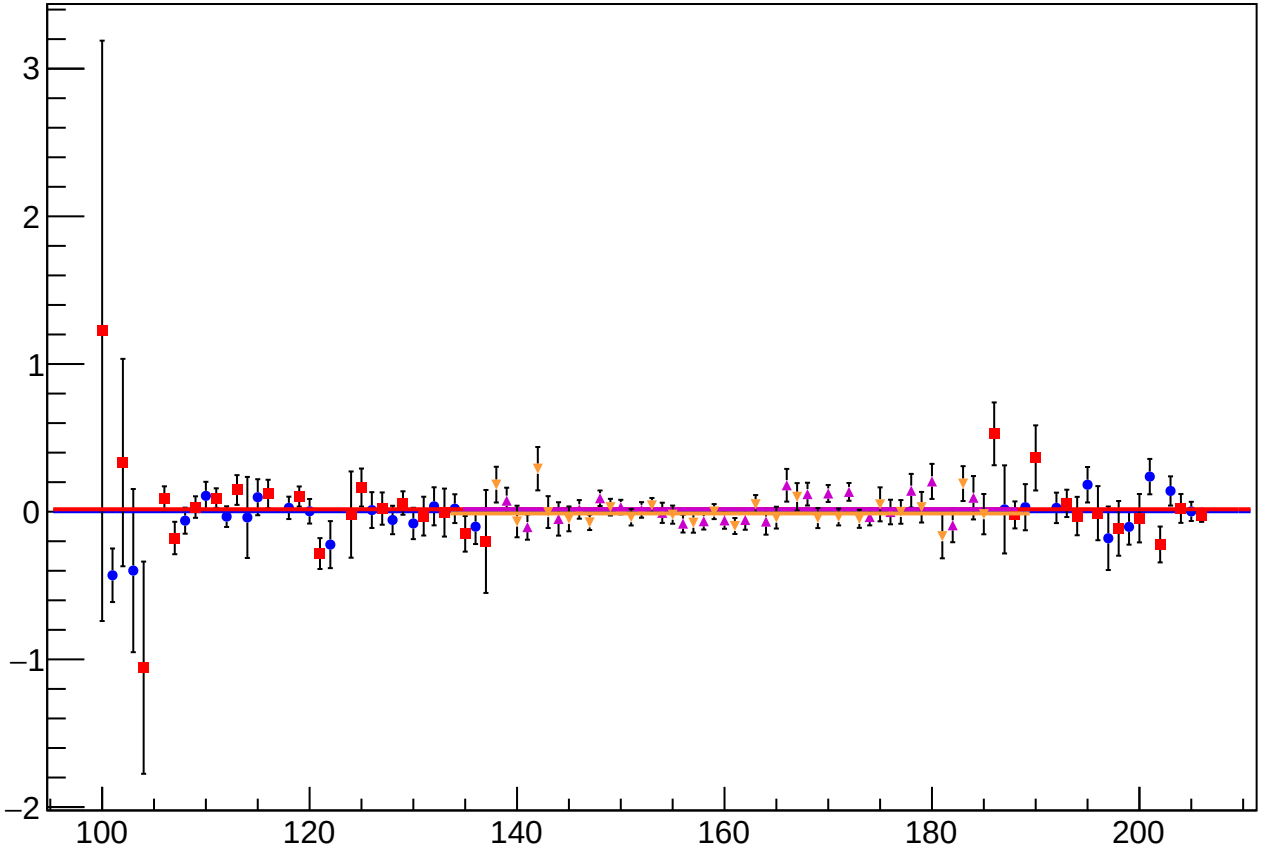
Left In: 0.000+/-0.000 χ^2/NDF:1522273.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10630390.7/49

All: 0.000+/-0.000 χ^2/NDF: 20273899.8/102

- sign 0.000+/-0.000 χ^2/NDF: 9581004.6/52

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.003+/-0.022 χ^2/NDF: 22.4/24

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.017+/-0.019 χ^2/NDF: 39.0/29

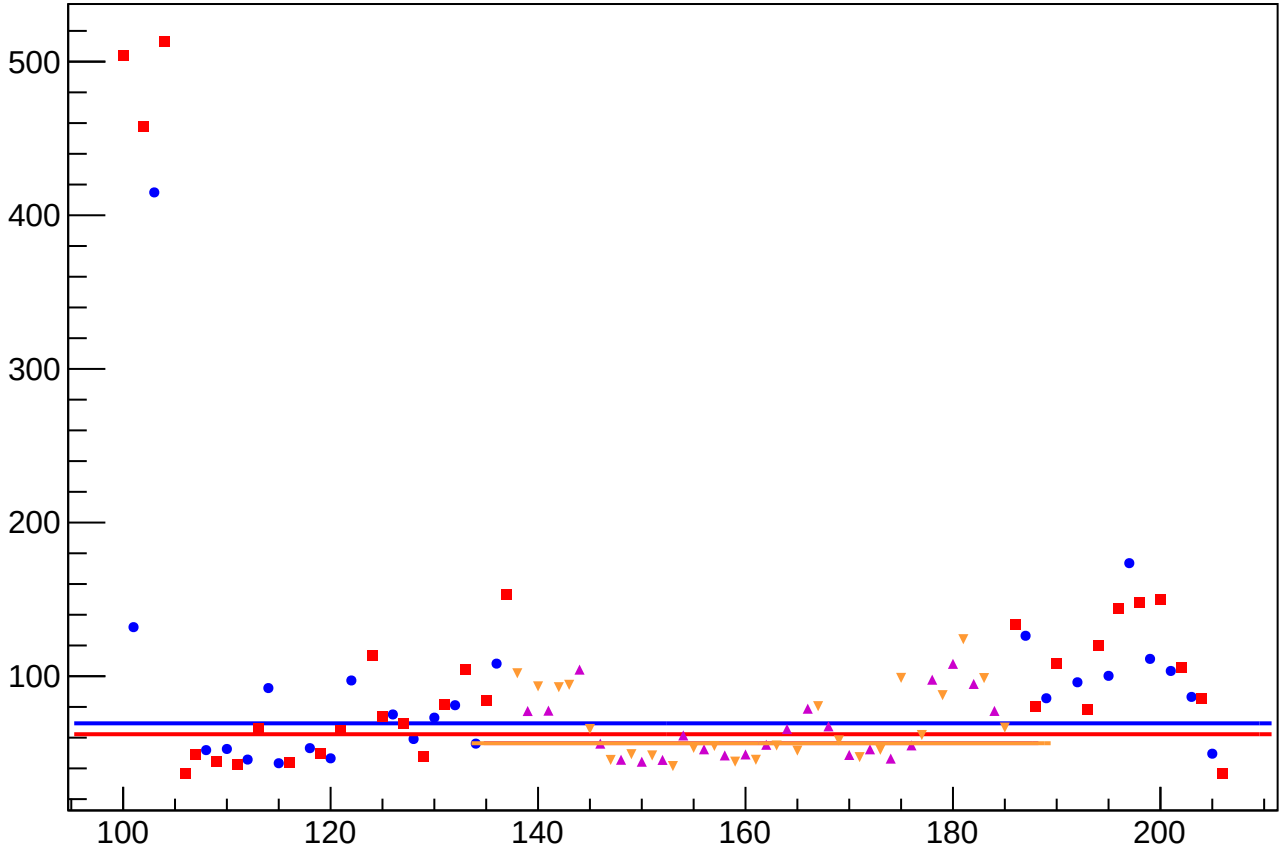
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.007+/-0.012 χ^2/NDF: 44.6/49

All: 0.005+/-0.008 χ^2/NDF: 116.3/102

- sign 0.017+/-0.012 χ^2/NDF: 69.6/52

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs Slug



Right In: 69.327+/-0.015 χ^2/NDF: 3577054.2/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

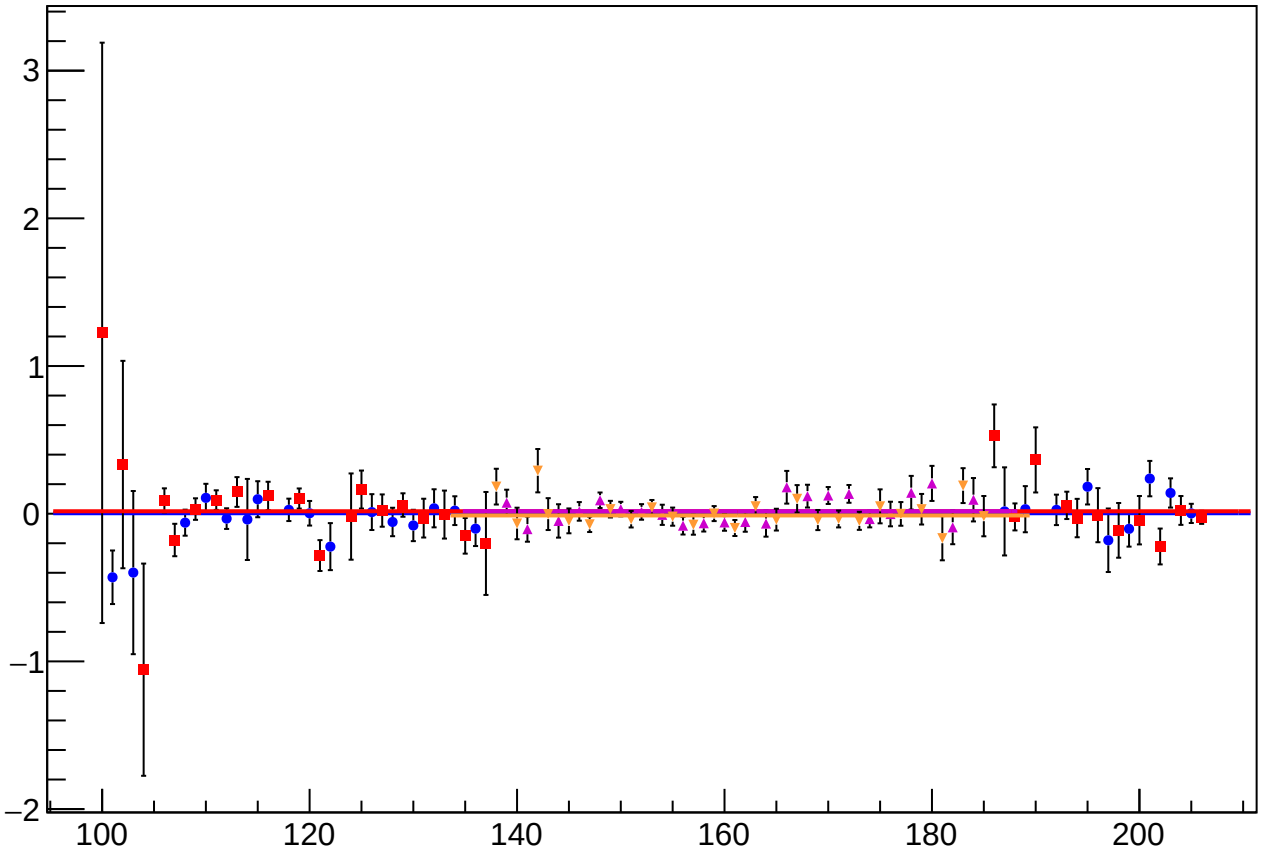
Right Out: 62.237+/-0.013 χ^2/NDF: 6009731.8/29

Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.314+/-0.008 χ^2/NDF: 6872386.7/49

All: 59.420+/-0.006 χ^2/NDF: 15160487.2/102

- sign 58.589+/-0.008 χ^2/NDF: 8266482.7/52



Right In: 0.003+/-0.022 χ^2/NDF: 22.4/24

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.017+/-0.019 χ^2/NDF: 39.0/29

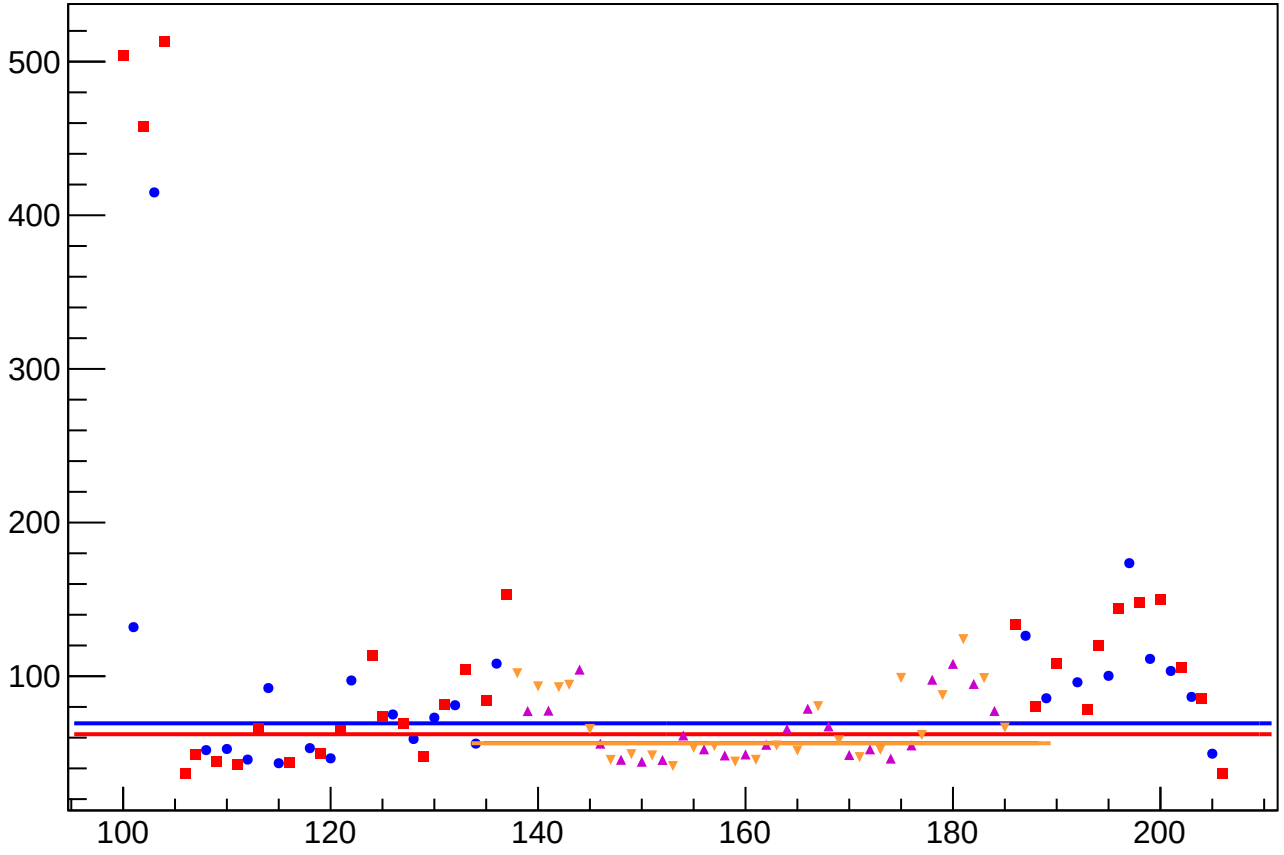
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.007+/-0.012 χ^2/NDF: 44.6/49

All: 0.005+/-0.008 χ^2/NDF: 116.3/102

- sign 0.017+/-0.012 χ^2/NDF: 69.6/52

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 69.327+/-0.015 χ^2/NDF: 3577054.2/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797305.0/24

Right Out: 62.237+/-0.013 χ^2/NDF: 6009731.8/29

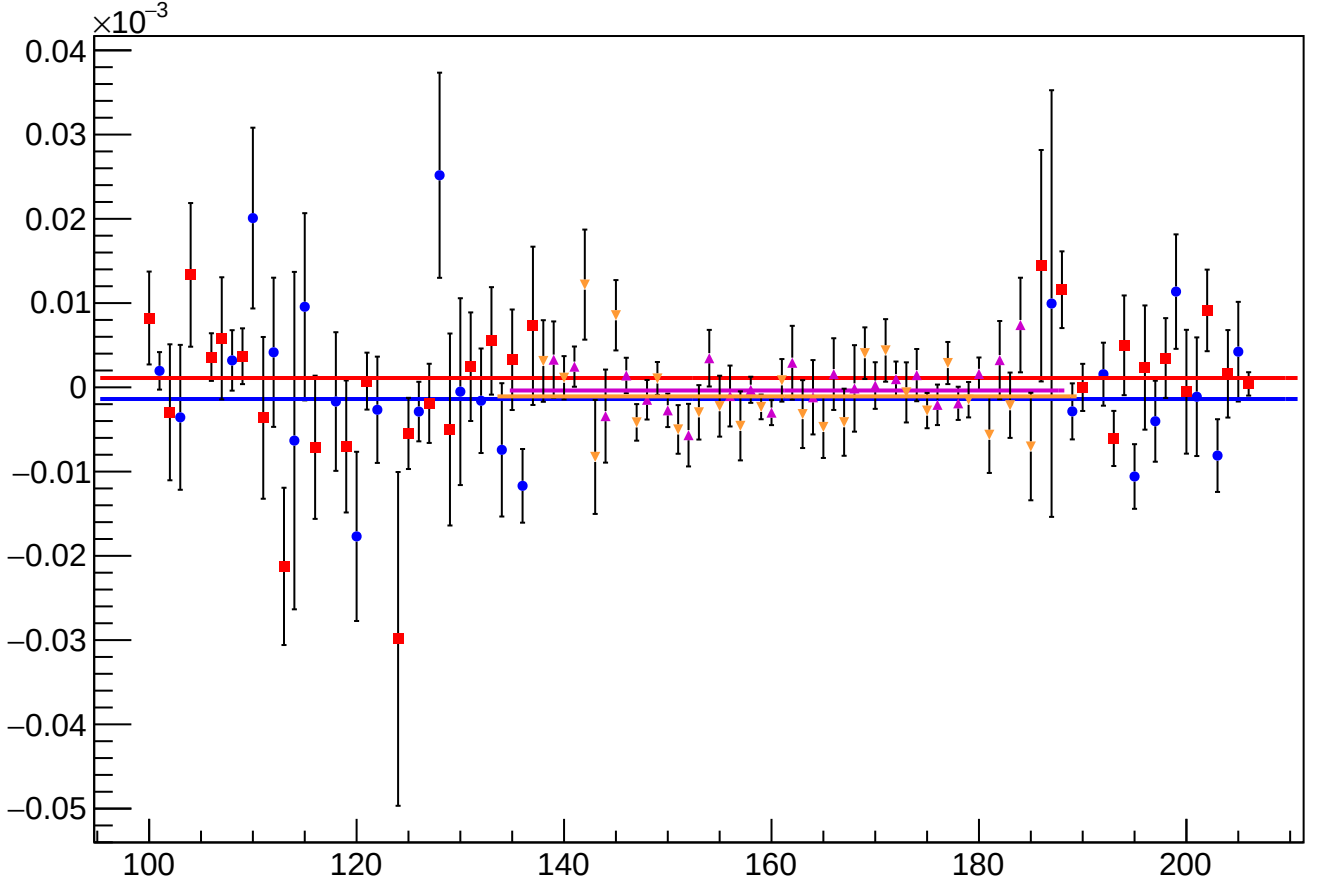
Left In: 56.467+/-0.010 χ^2/NDF:2140078.8/22

+ sign 60.314+/-0.008 χ^2/NDF: 6872386.7/49

All: 59.420+/-0.006 χ^2/NDF: 15160487.2/102

- sign 58.589+/-0.008 χ^2/NDF: 8266482.7/52

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 37.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.6/24

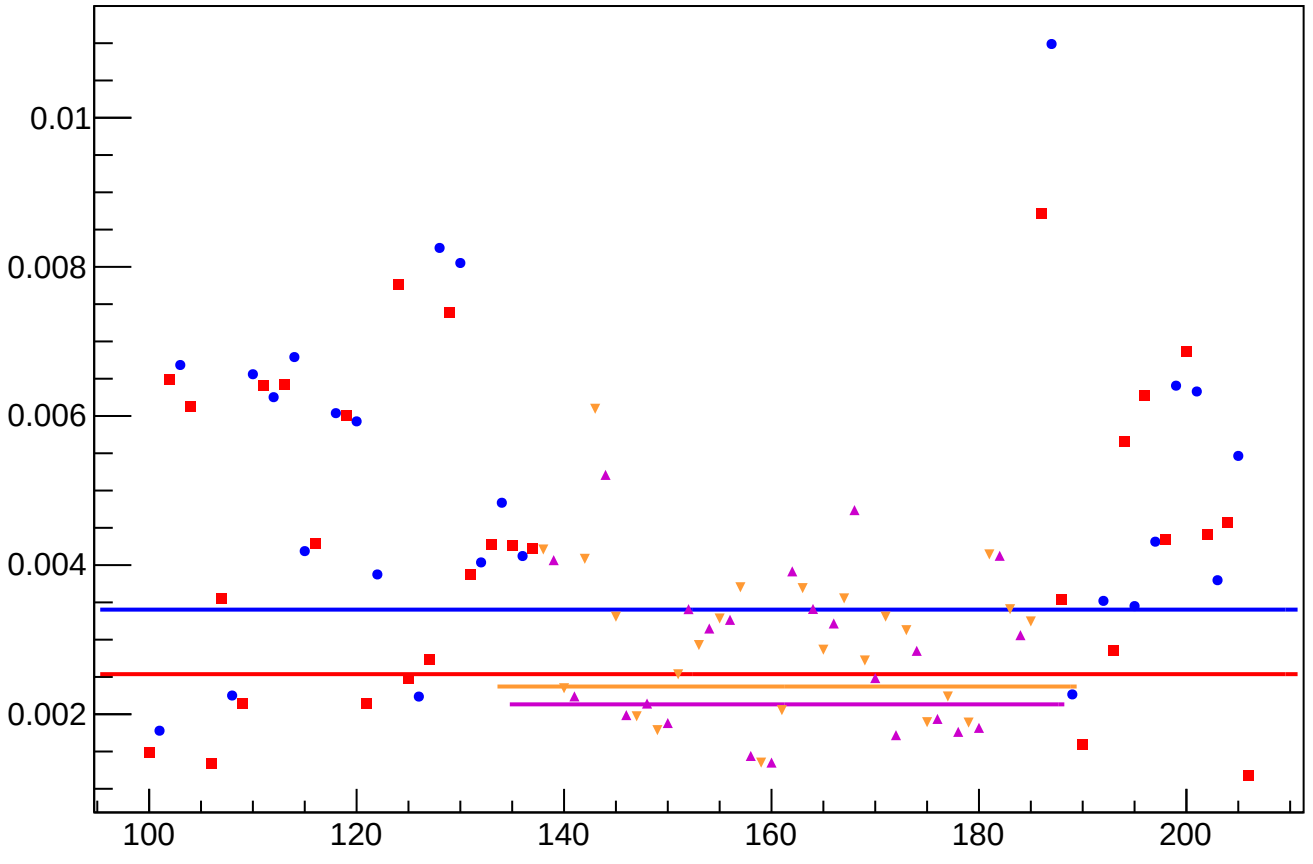
Right Out: 0.000+/-0.000 χ^2/NDF: 35.4/29

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 68.7/49

All: -0.000+/-0.000 χ^2/NDF: 127.5/102

- sign 0.000+/-0.000 χ^2/NDF: 55.3/52



Right In: 0.003+/-0.000 χ^2/NDF: 4863184.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:4161142.1/24

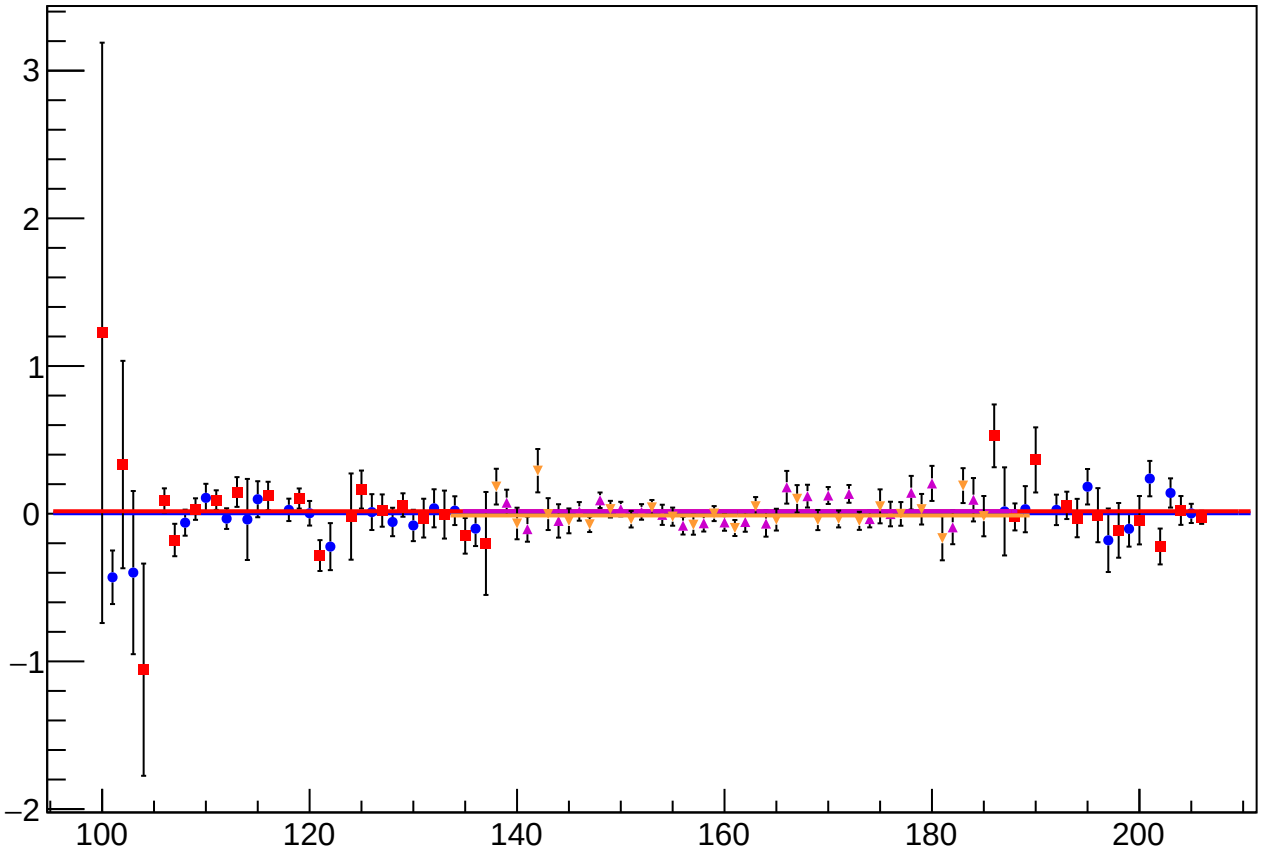
Right Out: 0.003+/-0.000 χ^2/NDF: 8817709.8/29

Left In: 0.002+/-0.000 χ^2/NDF:4521223.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 10569874.3/49

All: 0.002+/-0.000 χ^2/NDF: 24855216.8/102

- sign 0.002+/-0.000 χ^2/NDF: 13701238.8/52



Right In: 0.003+/-0.022 χ^2/NDF: 22.4/24

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

Right Out: 0.017+/-0.019 χ^2/NDF: 38.9/29

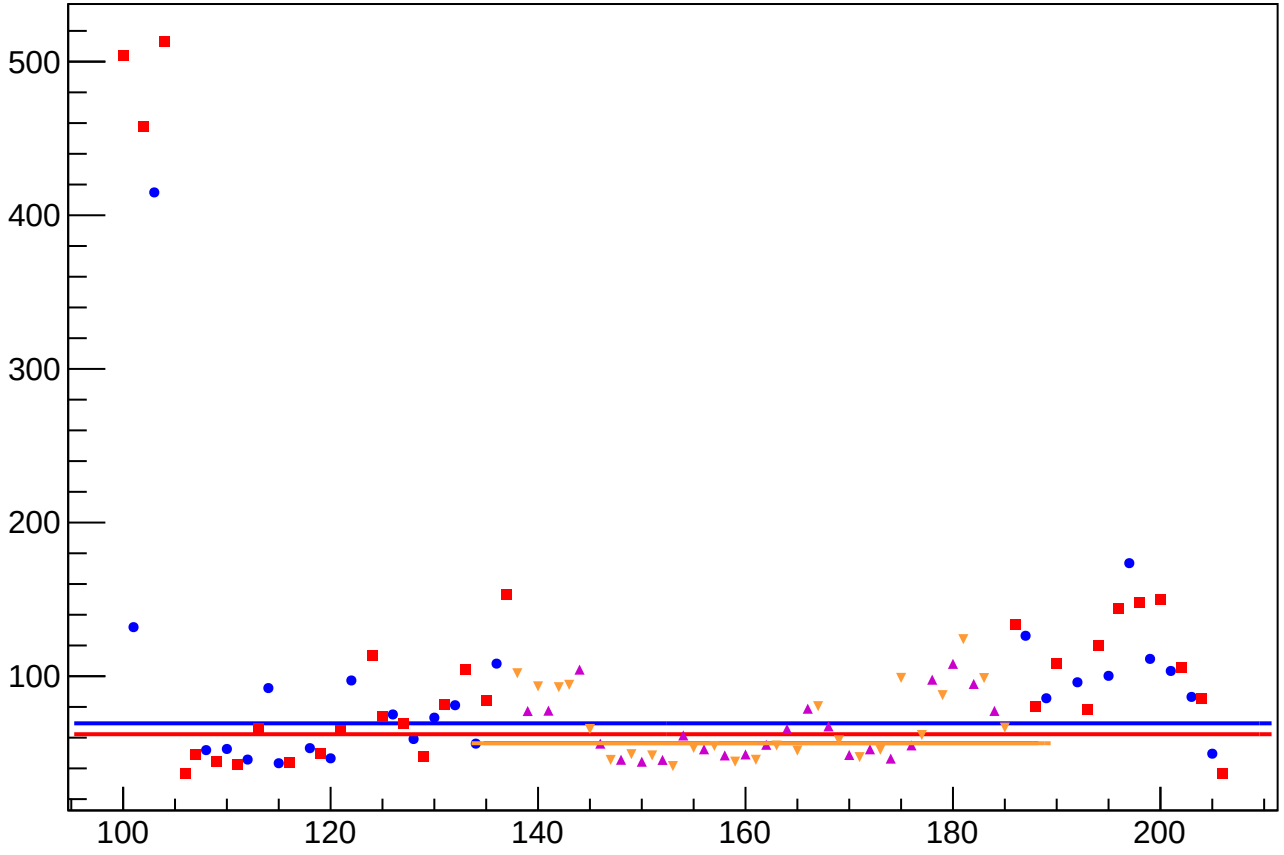
Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.007+/-0.012 χ^2/NDF: 44.6/49

All: 0.005+/-0.008 χ^2/NDF: 116.3/102

- sign 0.017+/-0.012 χ^2/NDF: 69.6/52

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 69.327+/-0.015 χ^2/NDF: 3577029.6/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

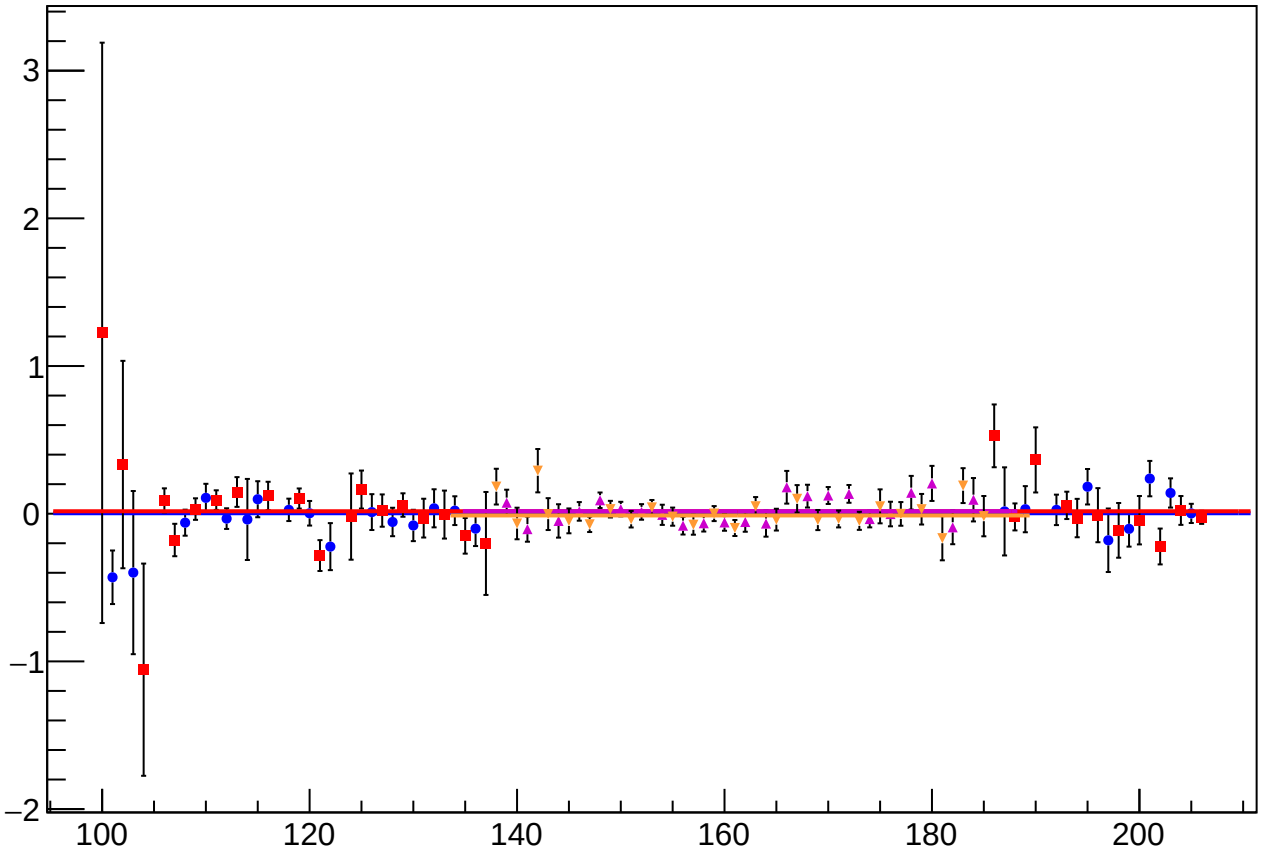
Right Out: 62.236+/-0.013 χ^2/NDF: 6009762.6/29

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.314+/-0.008 χ^2/NDF: 6872382.4/49

All: 59.420+/-0.006 χ^2/NDF: 15160473.2/102

- sign 58.589+/-0.008 χ^2/NDF: 8266469.3/52



Right In: 0.003+/-0.022 χ^2/NDF: 22.4/24

Left Out: -0.012+/-0.014 χ^2/NDF:21.8/24

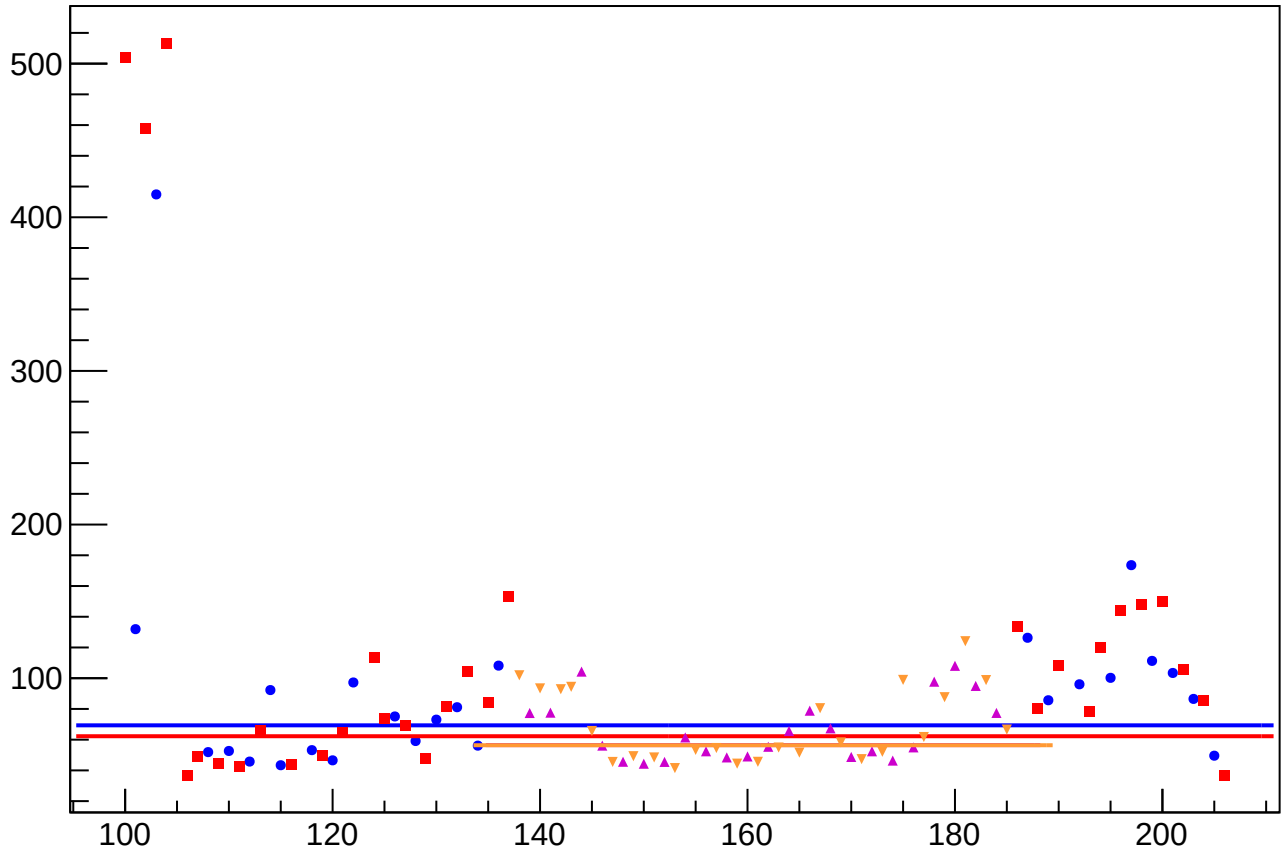
Right Out: 0.017+/-0.019 χ^2/NDF: 38.9/29

Left In: 0.017+/-0.014 χ^2/NDF:30.6/22

+ sign -0.007+/-0.012 χ^2/NDF: 44.6/49

All: 0.005+/-0.008 χ^2/NDF: 116.3/102

- sign 0.017+/-0.012 χ^2/NDF: 69.6/52



Right In: 69.327+/-0.015 χ^2/NDF: 3577029.6/24

Left Out: 56.374+/-0.010 χ^2/NDF:2797380.0/24

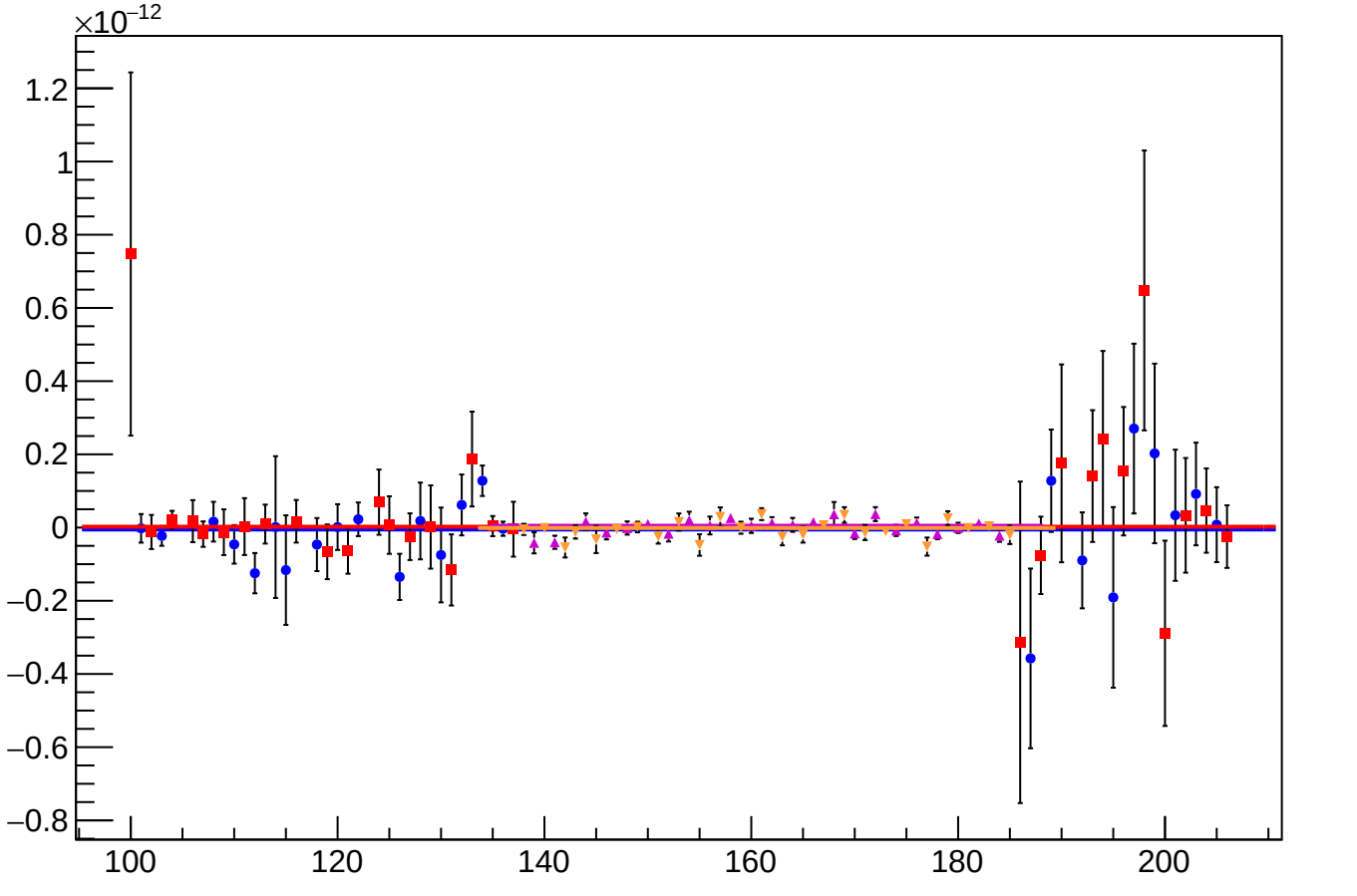
Right Out: 62.236+/-0.013 χ^2/NDF: 6009762.6/29

Left In: 56.467+/-0.010 χ^2/NDF:2140063.7/22

+ sign 60.314+/-0.008 χ^2/NDF: 6872382.4/49

All: 59.420+/-0.006 χ^2/NDF: 15160473.2/102

- sign 58.589+/-0.008 χ^2/NDF: 8266469.3/52



Right In: -0.000+/-0.000 χ^2/NDF: 29.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:29.6/24

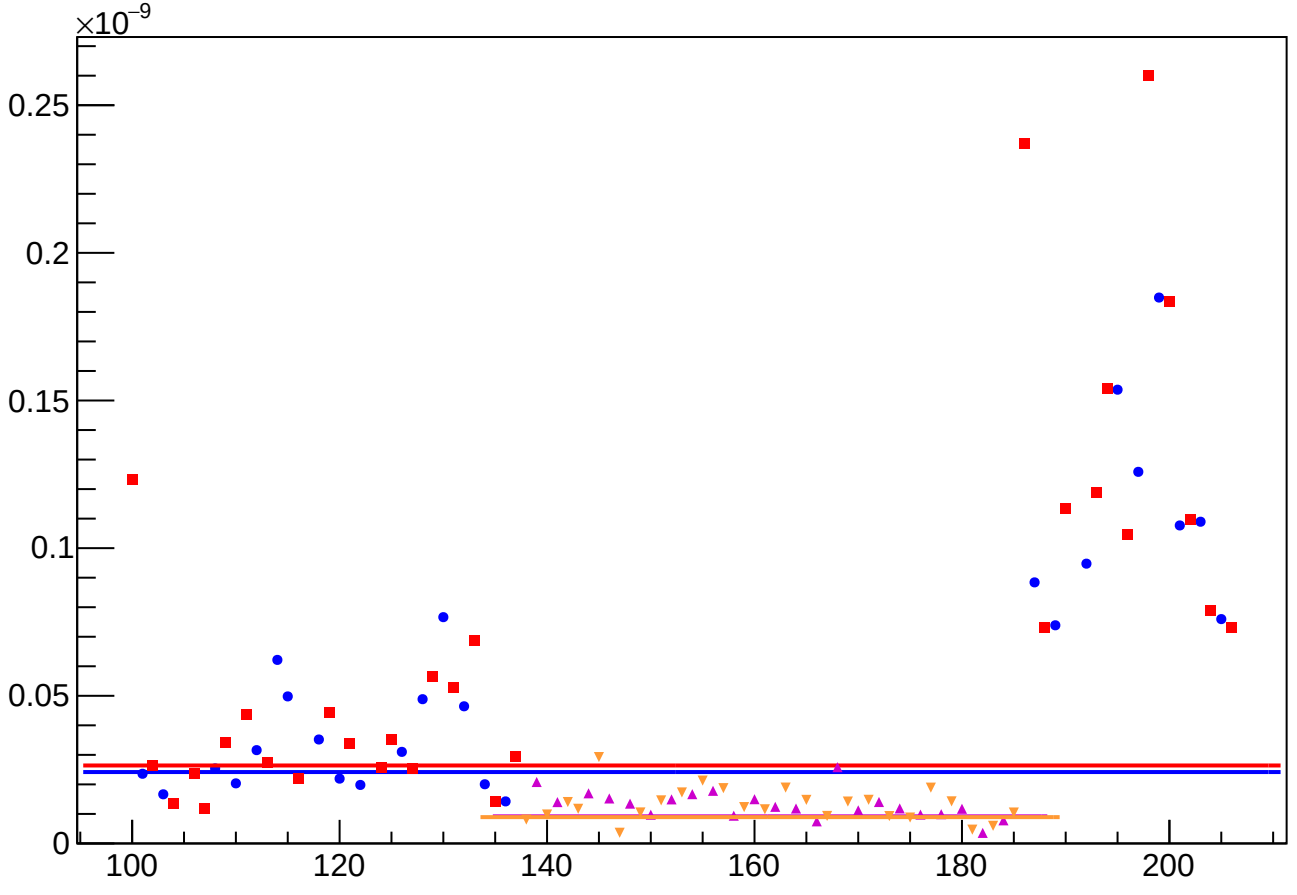
Right Out: 0.000+/-0.000 χ^2/NDF: 18.0/29

Left In: 0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.0/49

All: 0.000+/-0.000 χ^2/NDF: 107.7/102

- sign 0.000+/-0.000 χ^2/NDF: 46.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 6000362.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:5051836.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7842958.2/29

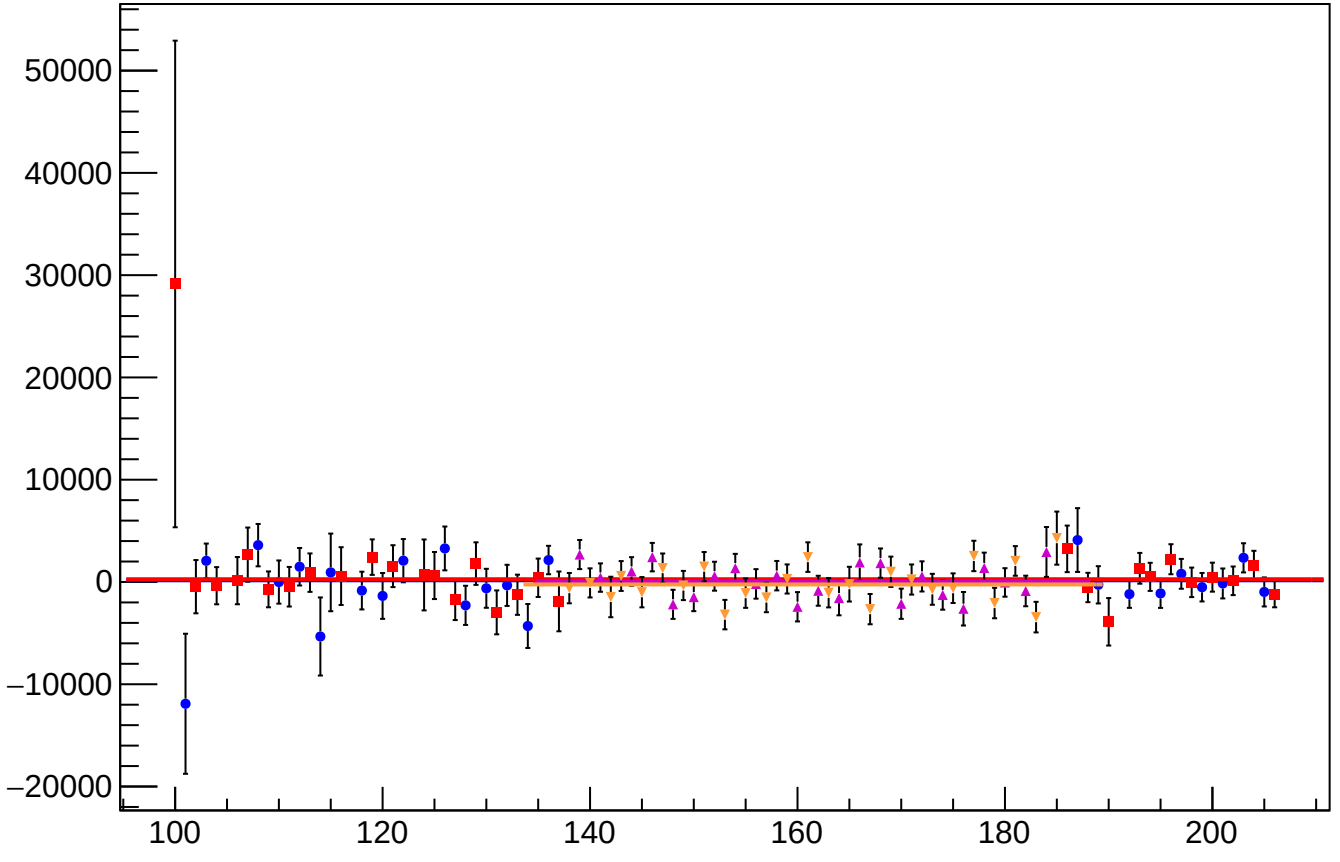
Left In: 0.000+/-0.000 χ^2/NDF:5079391.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 14628493.0/49

All: 0.000+/-0.000 χ^2/NDF: 31749346.6/102

- sign 0.000+/-0.000 χ^2/NDF: 17104280.8/52

reg_asym_usr_atr1_dd_mean vs Slug



Right In: 166.529+/-362.147 χ^2/NDF: 28.7/24

Left Out: -240.873+/-300.008 χ^2/NDF:31.7/24

Right Out: 268.555+/-336.074 χ^2/NDF: 19.8/29

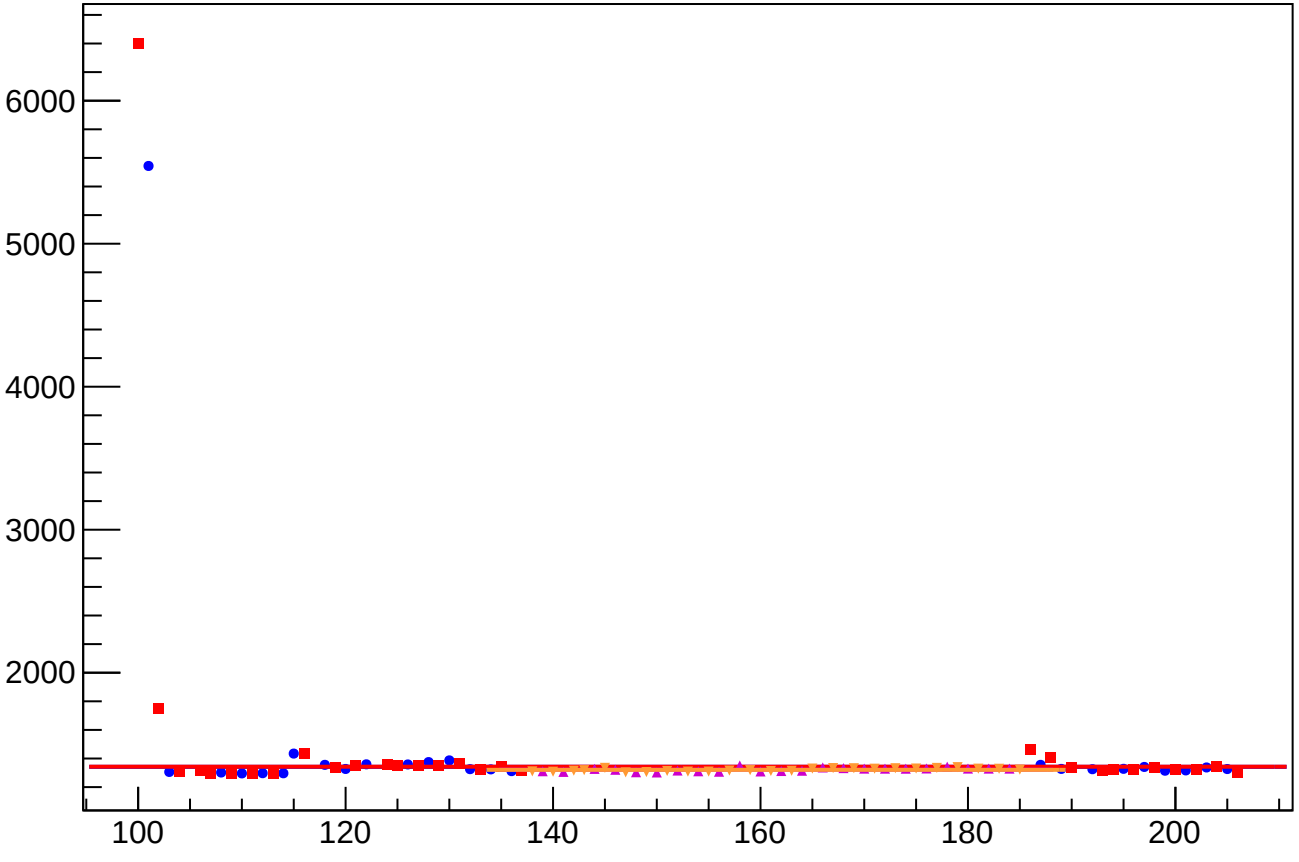
Left In: 39.122+/-308.622 χ^2/NDF:27.1/22

+ sign -75.071+/-231.030 χ^2/NDF: 61.1/49

All: 36.284+/-162.034 χ^2/NDF: 108.8/102

- sign 144.087+/-227.315 χ^2/NDF: 47.2/52

reg_asym_usr_atr1_dd_rms vs Slug



Right In: 1341.751+/-0.256 χ^2/NDF: 764111.9/24

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1342.687+/-0.238 χ^2/NDF: 161588.8/29

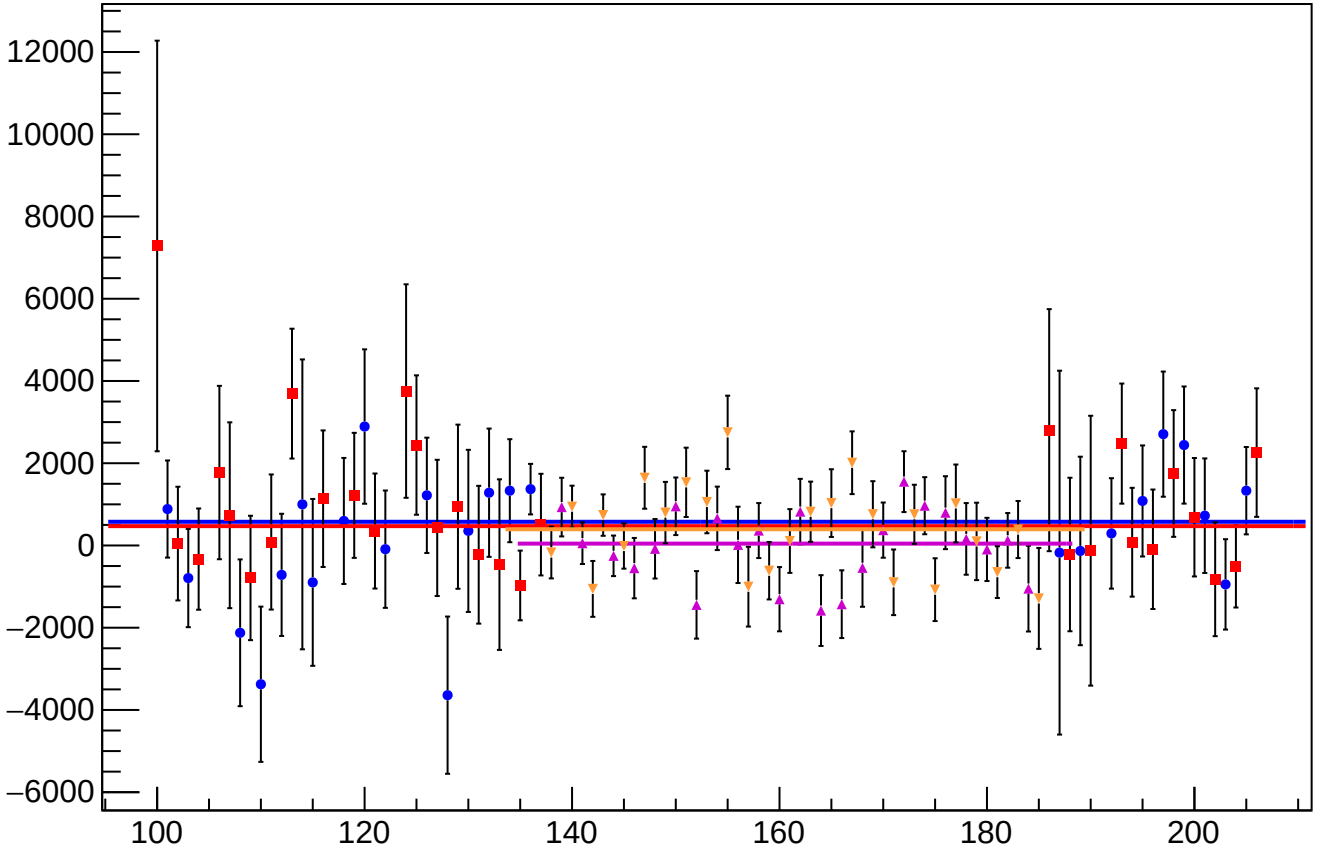
Left In: 1321.782+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.291+/-0.163 χ^2/NDF: 770706.3/49

All: 1330.335+/-0.115 χ^2/NDF: 940126.7/102

- sign 1331.346+/-0.161 χ^2/NDF: 169340.0/52

asym_usr_atr1_dd_reg_correction_mean vs Slug



Right In: 576.113+/-274.935 χ^2/NDF: 24.8/24

Left Out: 394.550+/-144.562 χ^2/NDF:41.8/24

Right Out: 470.018+/-280.108 χ^2/NDF: 21.2/29

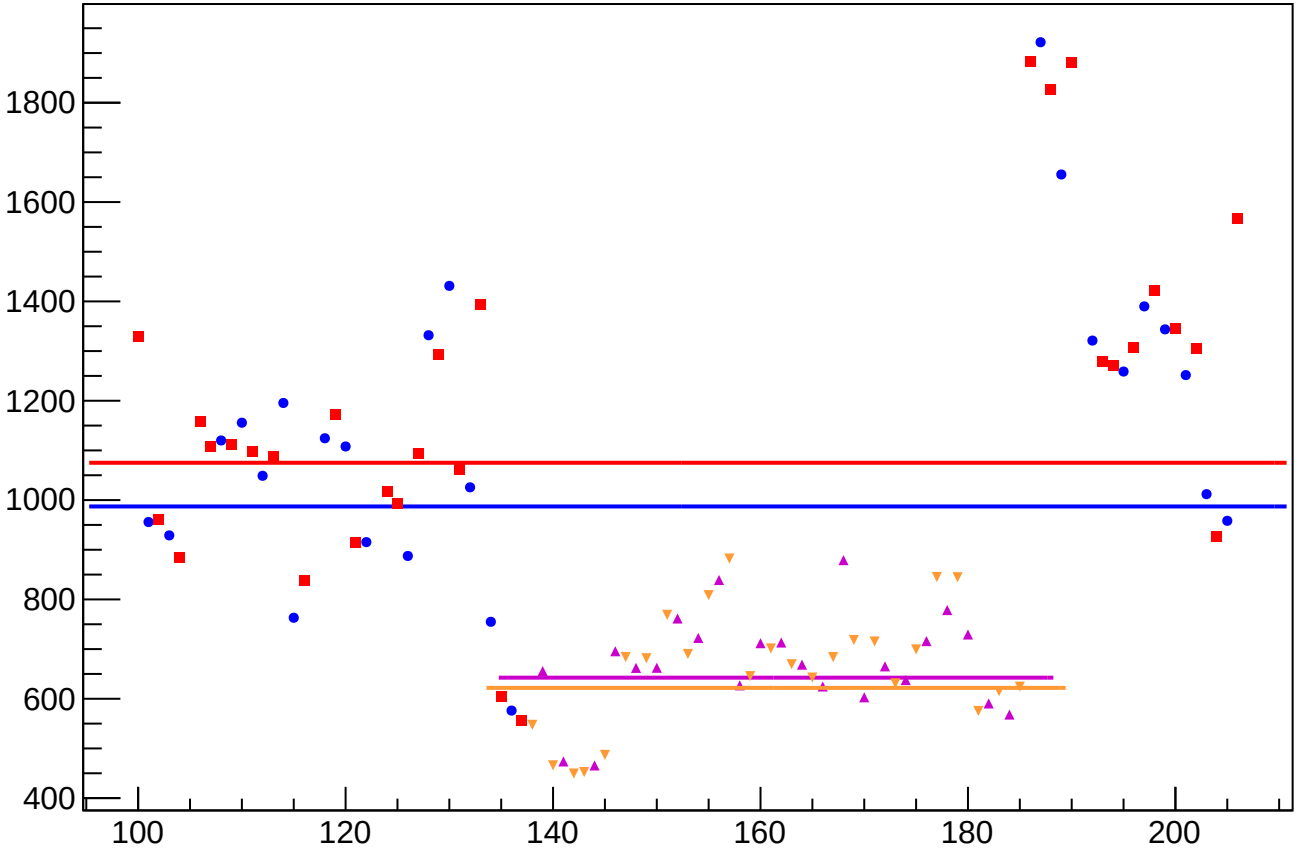
Left In: 44.777+/-152.333 χ^2/NDF:27.6/22

\+ sign 433.874+/-127.952 χ^2/NDF: 67.0/49

All: 294.403+/-92.482 χ^2/NDF: 120.0/102

\- sign 141.839+/-133.823 χ^2/NDF: 50.5/52

asym_usr_atr1_dd_reg_correction_rms vs Slug



Right In: 987.162+/-0.194 χ^2/NDF: 2043541.7/24

Left Out: 621.950+/-0.102 χ^2/NDF:1383473.2/24

Right Out: 1075.126+/-0.198 χ^2/NDF: 2393916.8/29

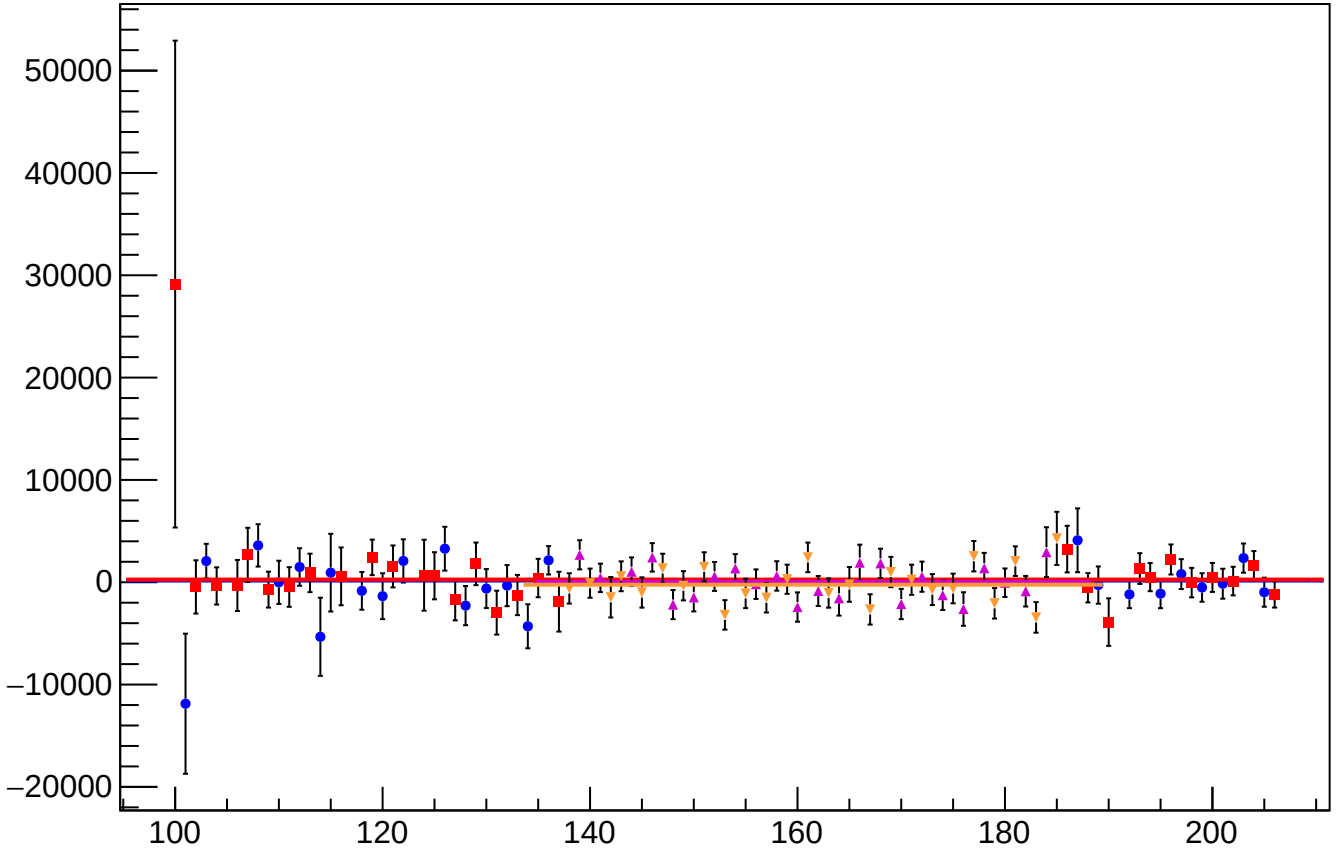
Left In: 642.470+/-0.108 χ^2/NDF:926330.5/22

+ sign 701.051+/-0.090 χ^2/NDF: 6191724.1/49

All: 720.237+/-0.065 χ^2/NDF: 13288624.5/10

- sign 741.224+/-0.095 χ^2/NDF: 7002742.4/52

cor_asym_usr_atr1_dd_mean vs Slug



Right In: 166.630+/-362.147 χ^2/NDF: 28.6/24

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 261.043+/-336.589 χ^2/NDF: 19.8/29

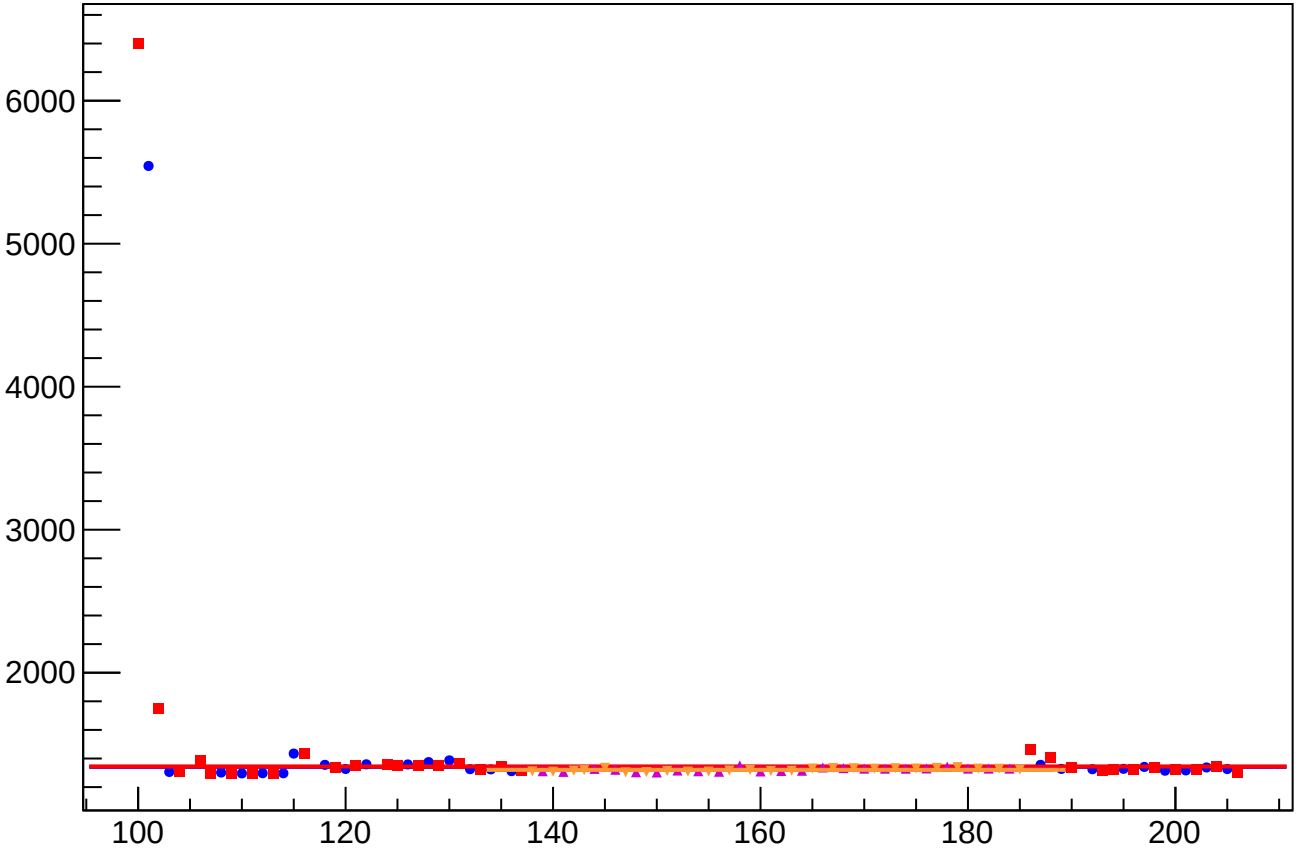
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -75.031+/-231.030 χ^2/NDF: 61.1/49

All: 34.416+/-162.091 χ^2/NDF: 108.8/102

- sign 140.520+/-227.474 χ^2/NDF: 47.2/52

cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1341.751+/-0.256 χ^2/NDF: 764110.9/24

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

Right Out: 1344.061+/-0.238 χ^2/NDF: 162000.1/29

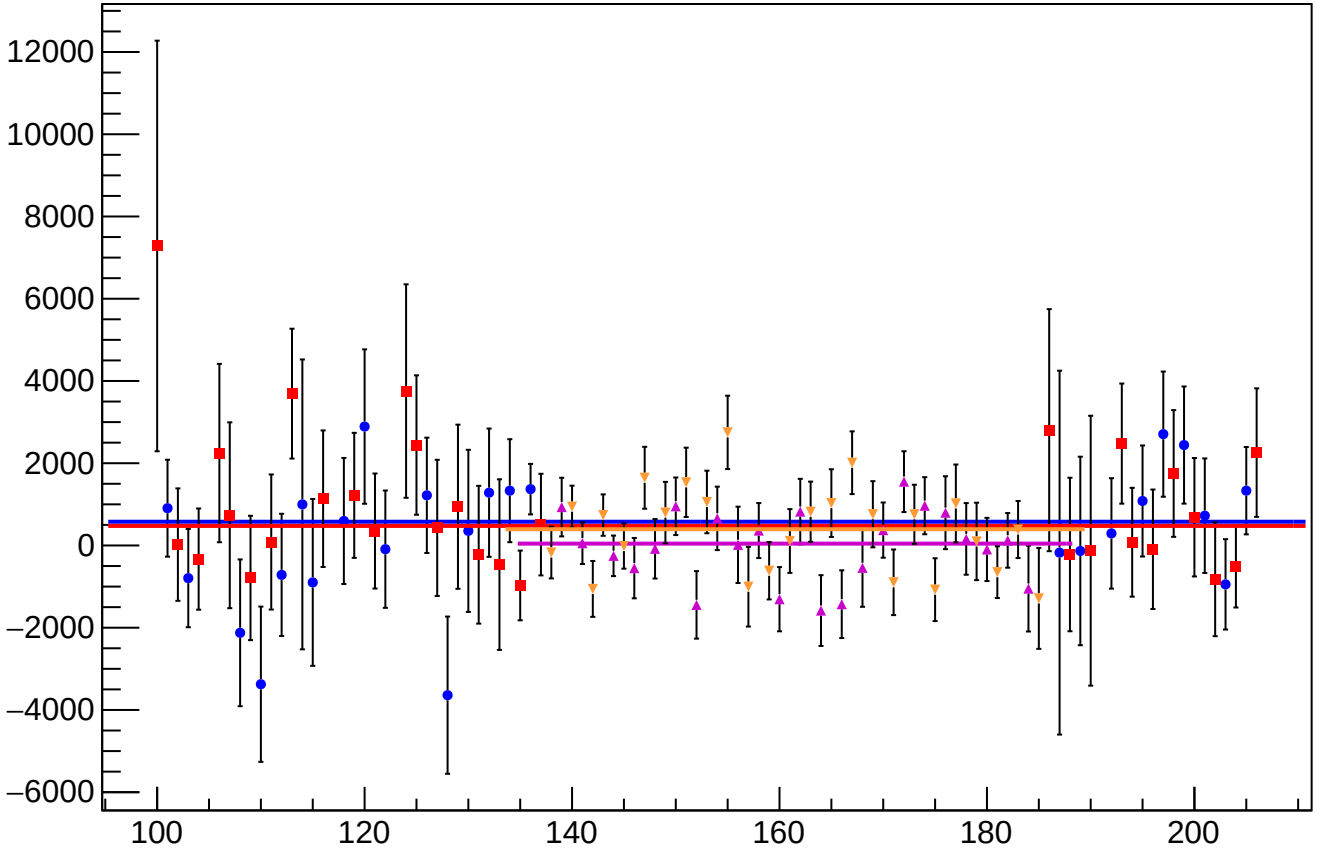
Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.291+/-0.163 χ^2/NDF: 770705.3/49

All: 1330.645+/-0.115 χ^2/NDF: 941154.2/102

- sign 1331.958+/-0.161 χ^2/NDF: 170313.6/52

asym_usr_atr1_dd_cor_correction_mean vs Slug



Right In: 577.261+/-274.905 χ^2/NDF: 24.9/24

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

Right Out: 475.282+/-280.110 χ^2/NDF: 21.5/29

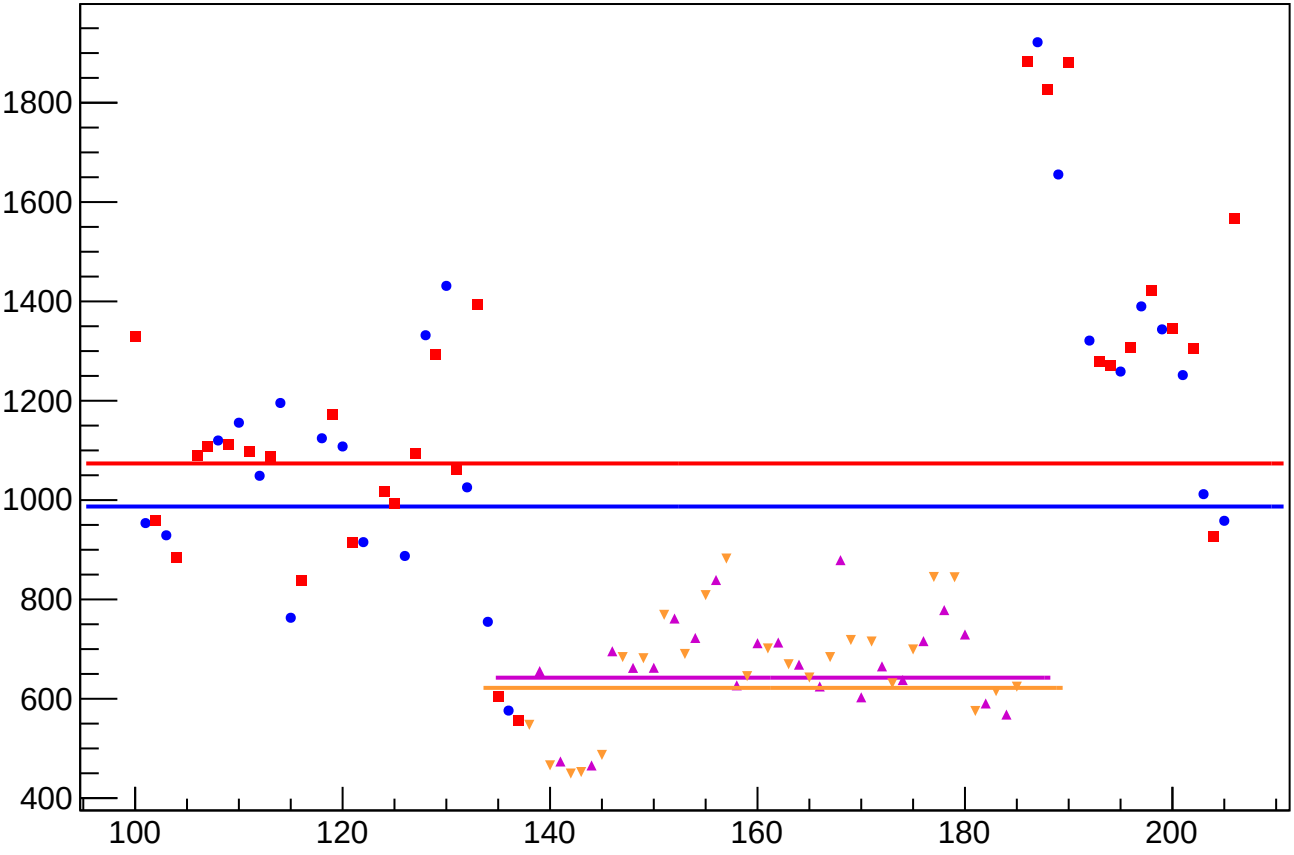
Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

\+ sign 434.108+/-127.949 χ^2/NDF: 67.0/49

All: 295.096+/-92.480 χ^2/NDF: 120.4/102

\- sign 143.030+/-133.823 χ^2/NDF: 50.9/52

asym_usr_atr1_dd_cor_correction_rms vs Slug



Right In: 987.055+/-0.194 χ^2/NDF: 2043658.8/24

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1073.744+/-0.198 χ^2/NDF: 2391648.9/29

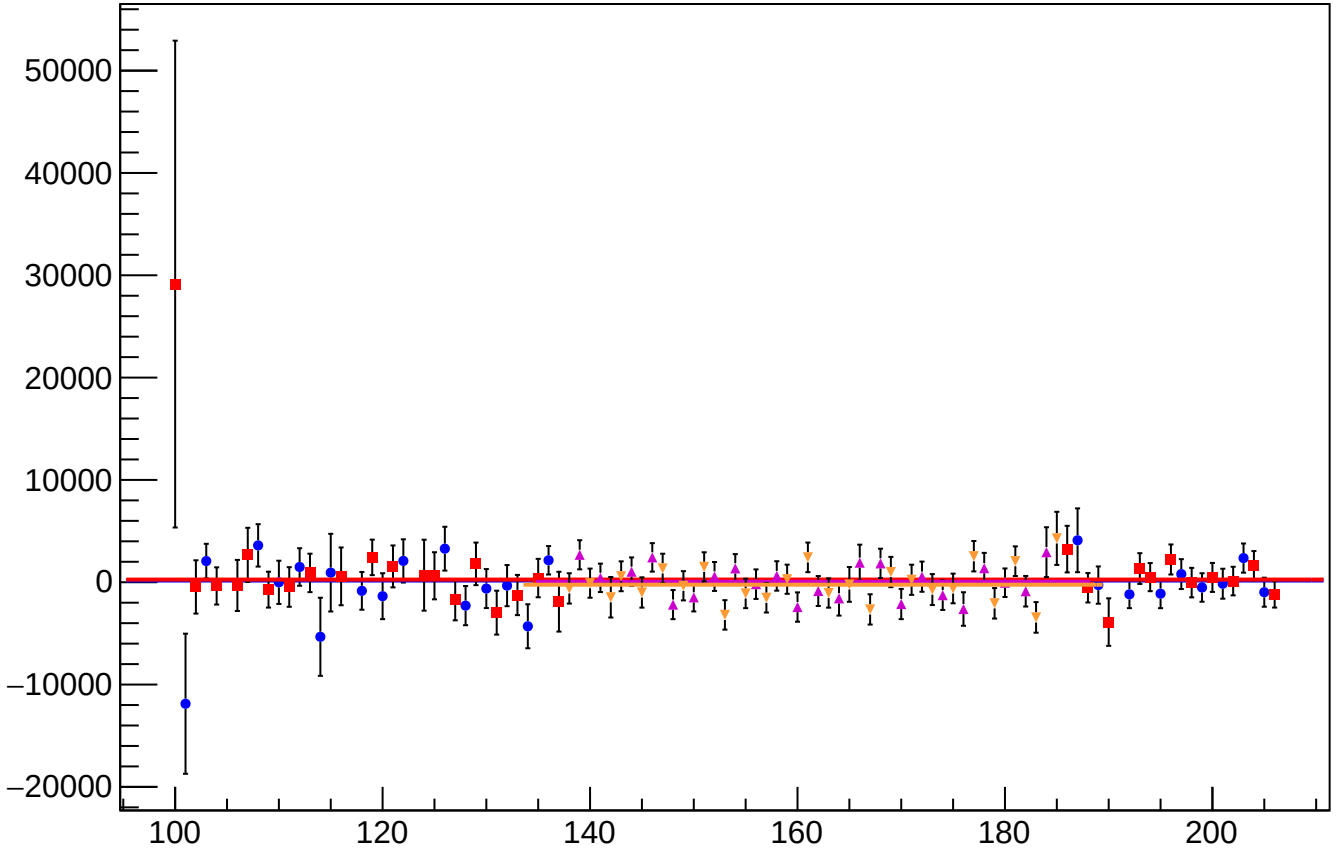
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 701.041+/-0.090 χ^2/NDF: 6190598.8/49

All: 720.078+/-0.065 χ^2/NDF: 13260387.1/10

- sign 740.903+/-0.095 χ^2/NDF: 6977082.9/52

eigen_cor_asym_usr_atr1_dd_mean vs Slug



Right In: 166.630+/-362.147 χ^2/NDF: 28.6/24

Left Out: -240.875+/-300.008 χ^2/NDF:31.7/24

Right Out: 261.043+/-336.589 χ^2/NDF: 19.8/29

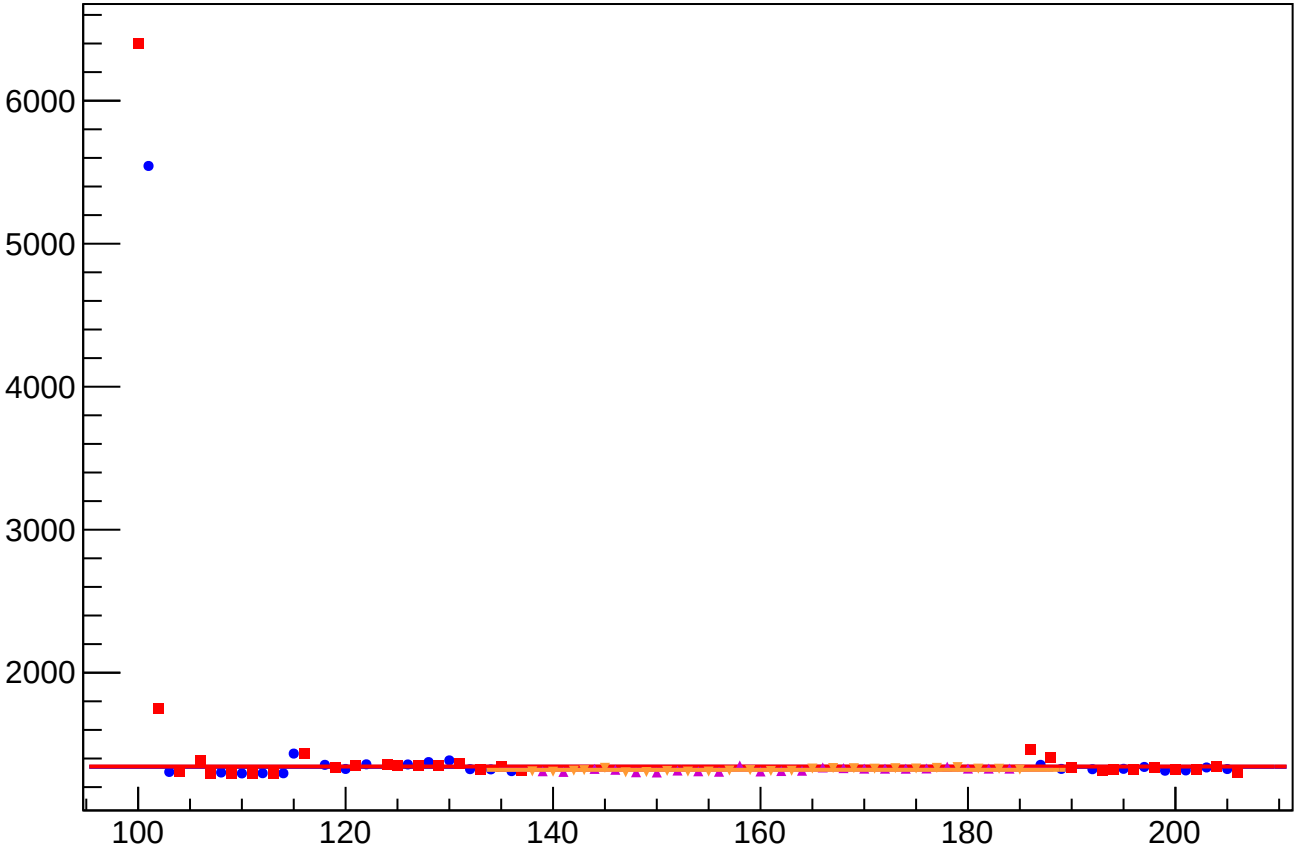
Left In: 39.193+/-308.622 χ^2/NDF:27.1/22

+ sign -75.031+/-231.030 χ^2/NDF: 61.1/49

All: 34.416+/-162.091 χ^2/NDF: 108.8/102

- sign 140.520+/-227.474 χ^2/NDF: 47.2/52

eigen_cor_asym_usr_atr1_dd_rms vs Slug



Right In: 1341.751+/-0.256 χ^2/NDF: 764110.9/24

Left Out: 1320.740+/-0.212 χ^2/NDF:2602.3/24

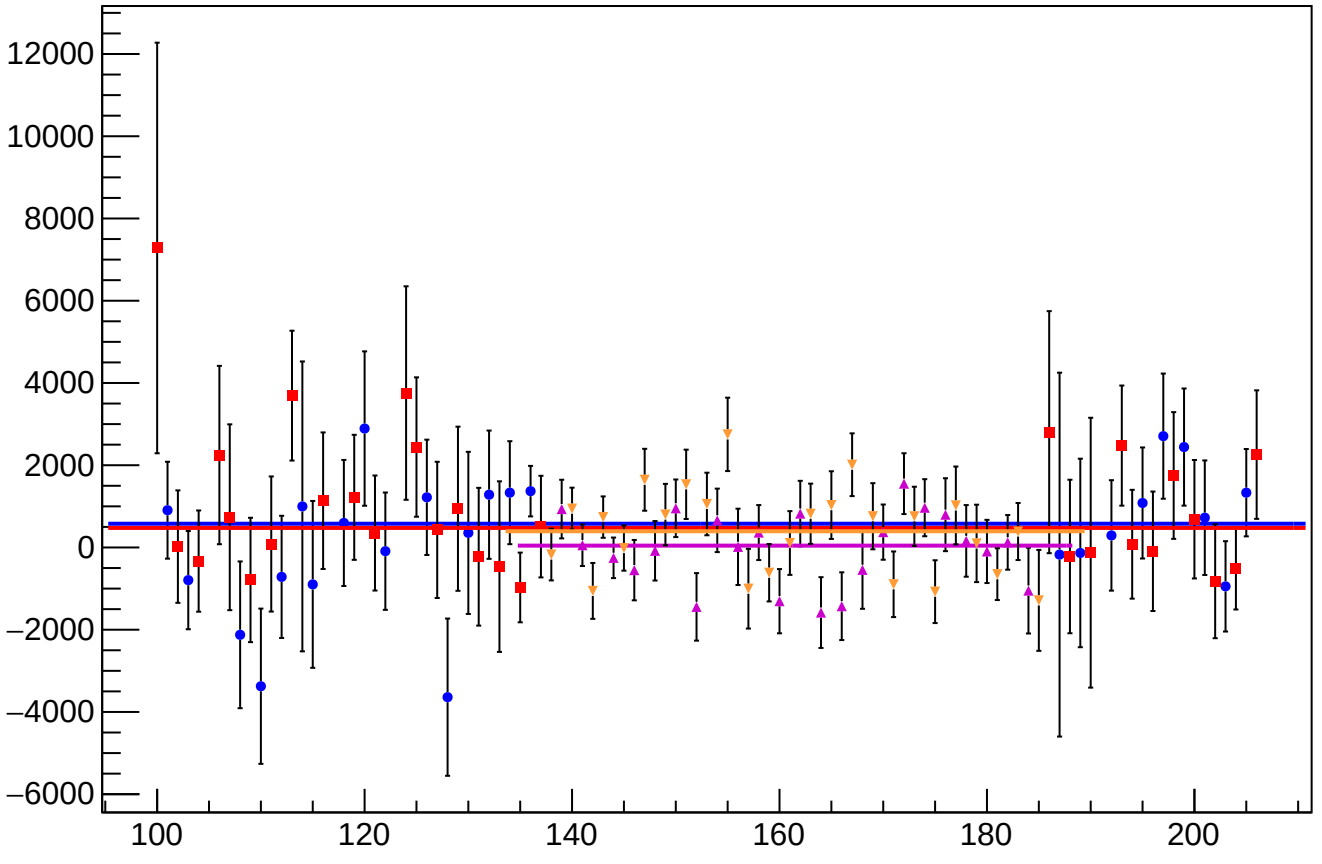
Right Out: 1344.061+/-0.238 χ^2/NDF: 162000.1/29

Left In: 1321.783+/-0.218 χ^2/NDF:3553.3/22

+ sign 1329.291+/-0.163 χ^2/NDF: 770705.3/49

All: 1330.645+/-0.115 χ^2/NDF: 941154.2/102

- sign 1331.958+/-0.161 χ^2/NDF: 170313.6/52



Right In: 577.261+/-274.905 χ^2/NDF: 24.9/24

Left Out: 394.522+/-144.562 χ^2/NDF:41.8/24

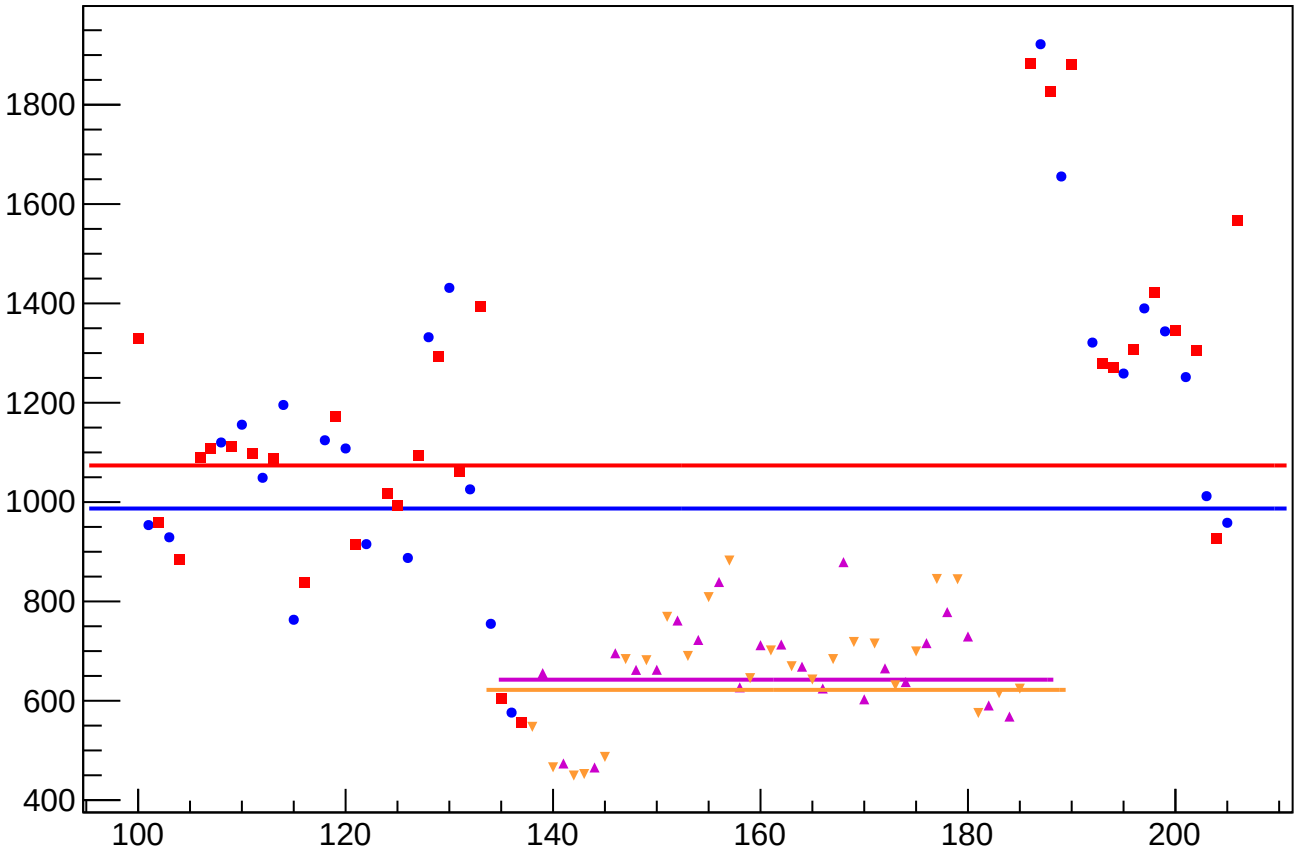
Right Out: 475.282+/-280.110 χ^2/NDF: 21.5/29

Left In: 44.766+/-152.332 χ^2/NDF:27.6/22

+ sign 434.108+/-127.949 χ^2/NDF: 67.0/49

All: 295.096+/-92.480 χ^2/NDF: 120.4/102

- sign 143.030+/-133.823 χ^2/NDF: 50.9/52



Right In: 987.055+/-0.194 χ^2/NDF: 2043658.8/24

Left Out: 621.950+/-0.102 χ^2/NDF:1383373.4/24

Right Out: 1073.744+/-0.198 χ^2/NDF: 2391648.9/29

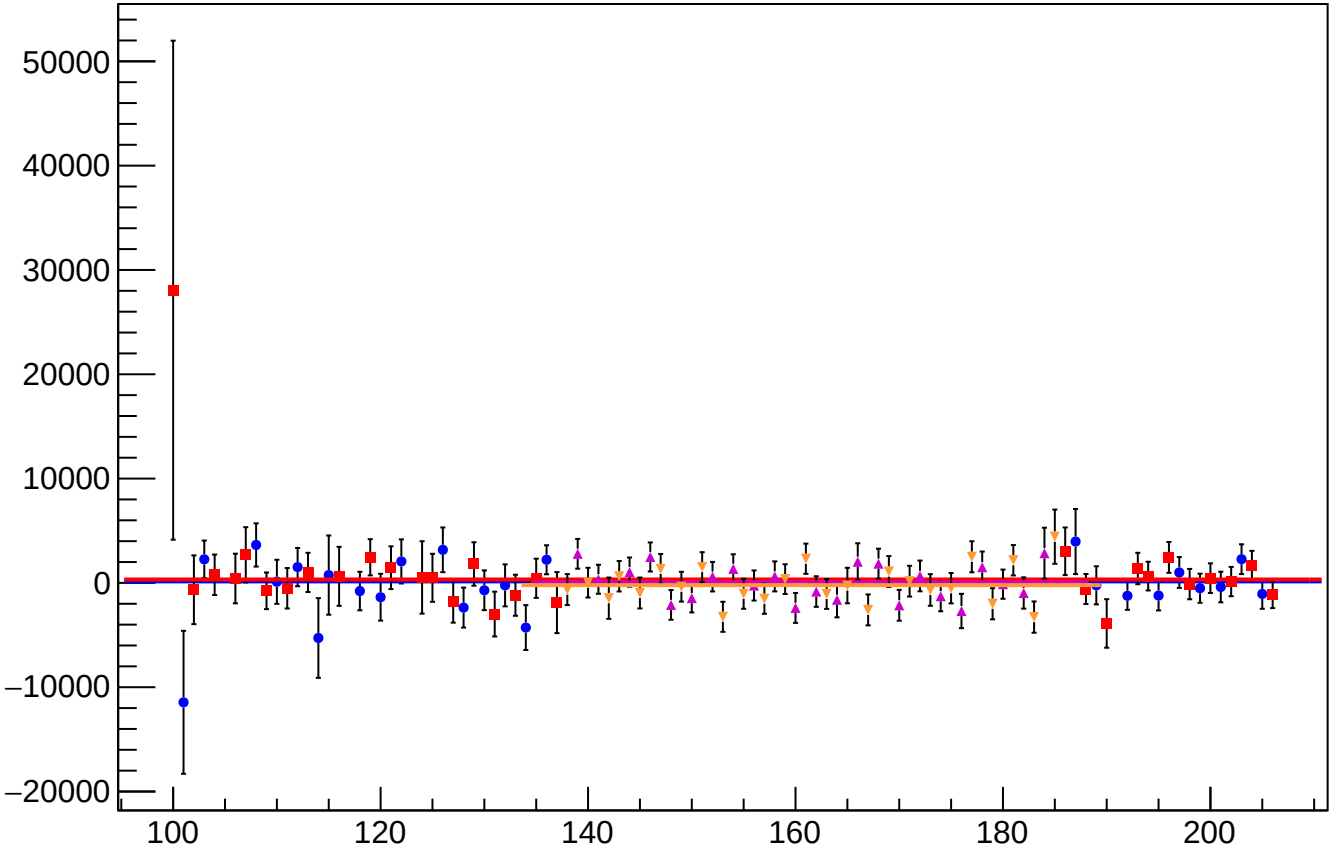
Left In: 642.465+/-0.108 χ^2/NDF:926376.1/22

+ sign 701.041+/-0.090 χ^2/NDF: 6190598.8/49

All: 720.078+/-0.065 χ^2/NDF: 13260387.1/10

- sign 740.903+/-0.095 χ^2/NDF: 6977082.9/52

dit_asym_usr_atr1_dd_mean vs Slug



Right In: 144.586+/-363.970 χ^2/NDF: 28.7/24

Left Out: -215.033+/-300.379 χ^2/NDF:31.3/24

Right Out: 327.595+/-338.911 χ^2/NDF: 19.9/29

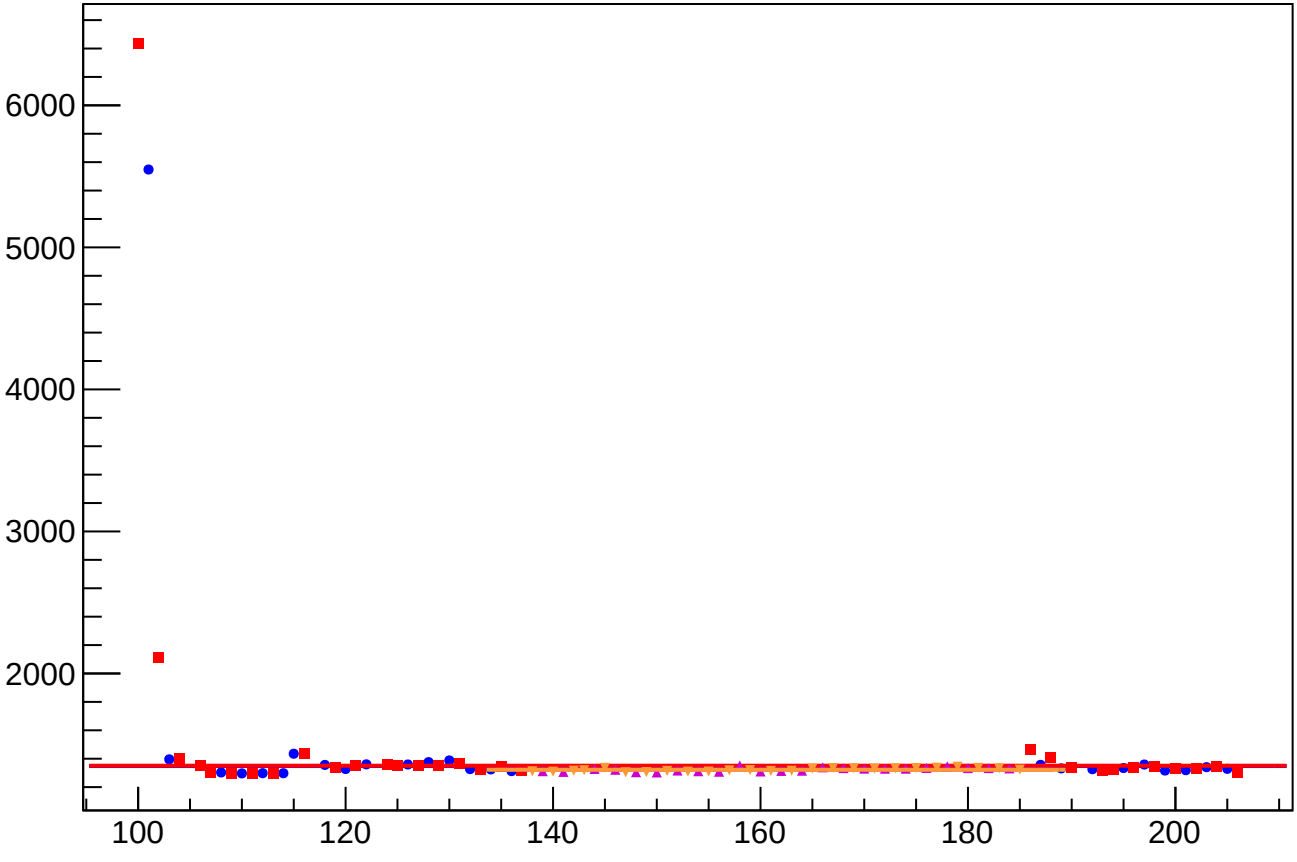
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -69.334+/-231.672 χ^2/NDF: 60.6/49

All: 55.183+/-162.624 χ^2/NDF: 109.2/102

- sign 176.137+/-228.334 χ^2/NDF: 48.1/52

dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1348.469+/-0.257 χ^2/NDF: 764322.5/24

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1350.711+/-0.240 χ^2/NDF: 219837.1/29

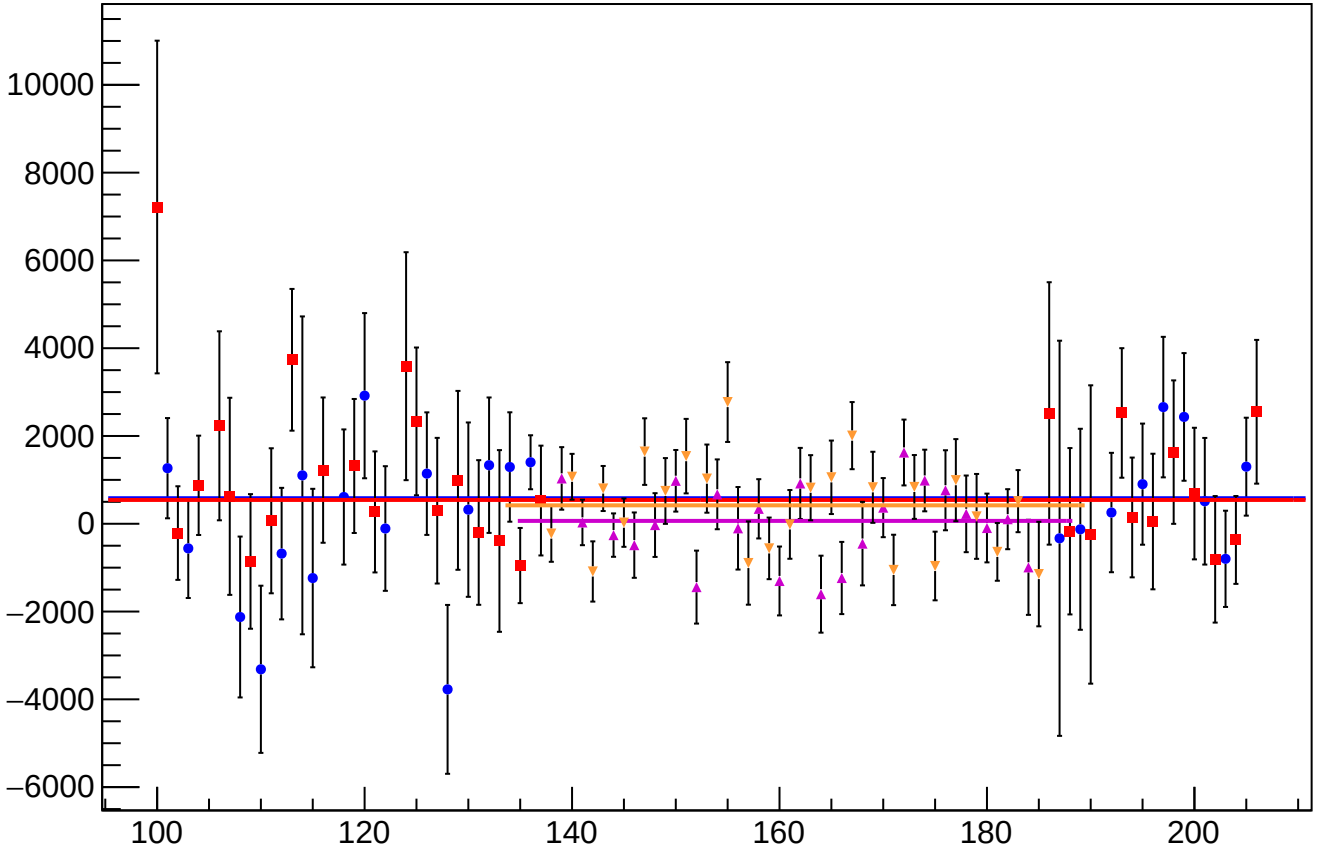
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.943+/-0.164 χ^2/NDF: 773372.2/49

All: 1334.373+/-0.115 χ^2/NDF: 1004340.7/10

- sign 1335.762+/-0.161 χ^2/NDF: 230818.3/52

asym_usr_atr1_dd_dit_correction_mean vs Slug



Right In: 581.738+/-276.130 χ^2/NDF: 24.3/24

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 542.945+/-278.294 χ^2/NDF: 21.9/29

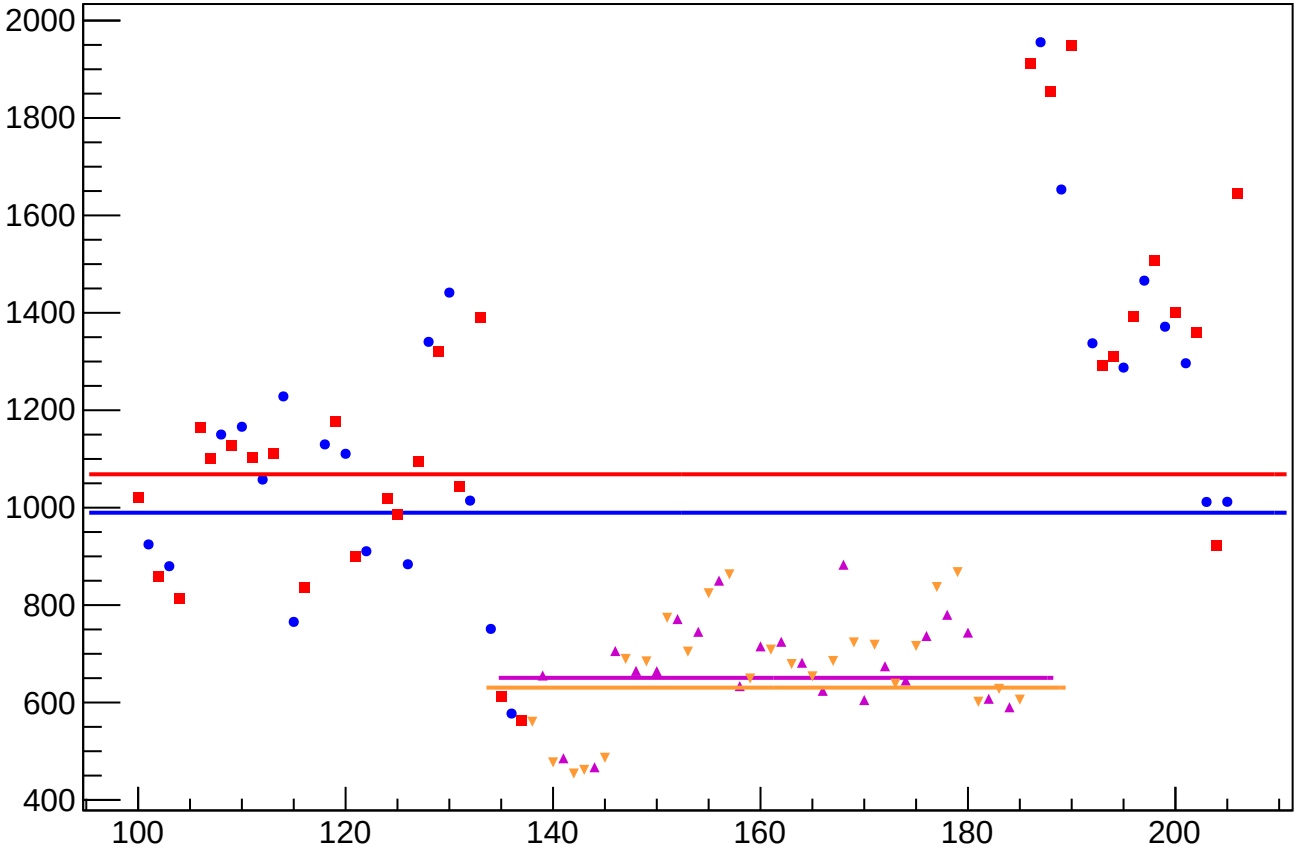
Left In: 65.405+/-154.224 χ^2/NDF:27.0/22

\+ sign 455.423+/-129.370 χ^2/NDF: 66.1/49

All: 322.320+/-93.371 χ^2/NDF: 119.5/102

\- sign 177.606+/-134.895 χ^2/NDF: 51.2/52

asym_usr_atr1_dd_dit_correction_rms vs Slug



Right In: 989.637+/-0.195 χ^2/NDF: 2171365.7/24

Left Out: 630.592+/-0.104 χ^2/NDF:1328590.6/24

Right Out: 1068.544+/-0.197 χ^2/NDF: 2698894.4/29

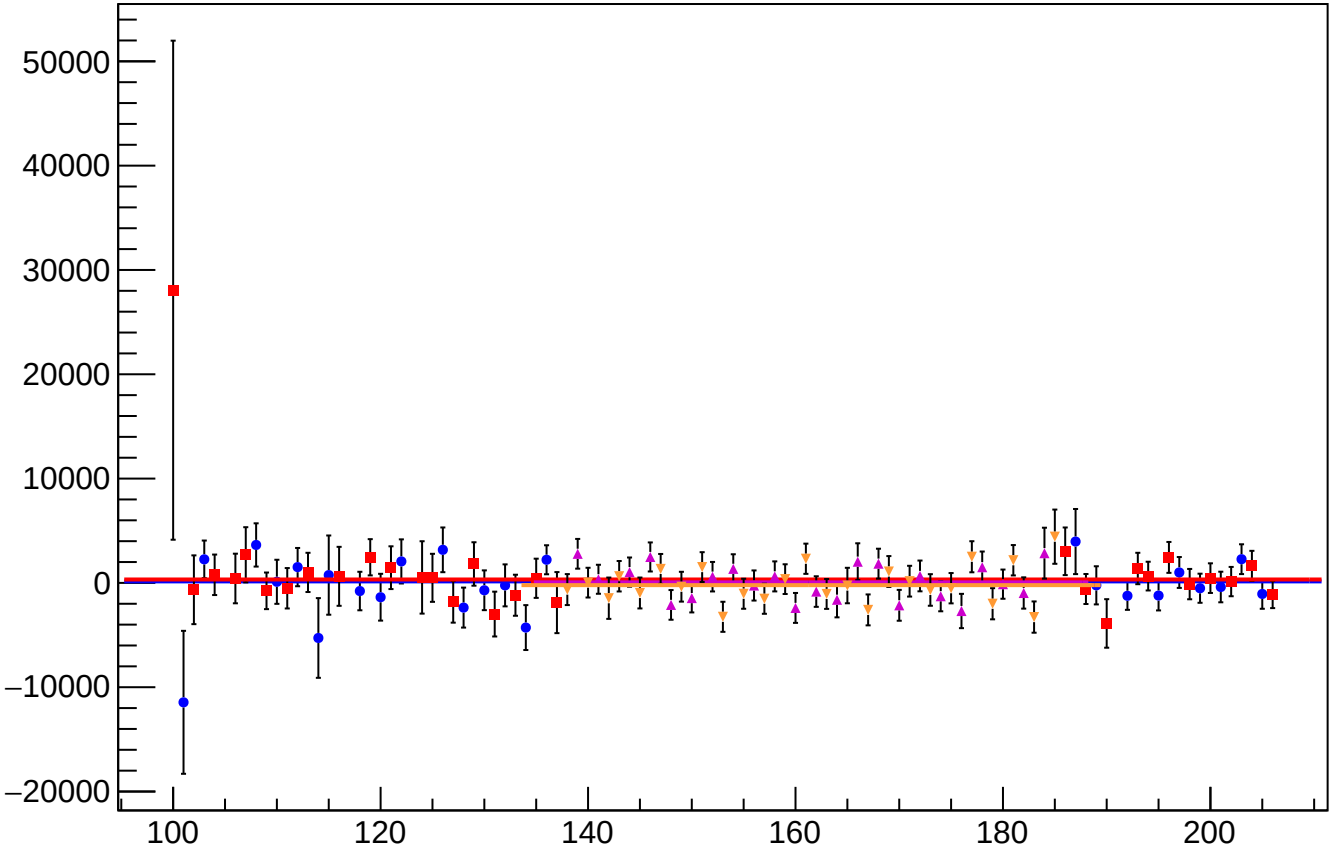
Left In: 650.637+/-0.109 χ^2/NDF:922078.1/22

+ sign 709.403+/-0.091 χ^2/NDF: 6139152.6/49

All: 728.291+/-0.066 χ^2/NDF: 13299505.5/10

- sign 748.826+/-0.095 χ^2/NDF: 7071371.9/52

eigen_dit_asym_usr_atr1_dd_mean vs Slug



Right In: 144.585+/-363.970 χ^2/NDF: 28.7/24

Left Out: -215.035+/-300.379 χ^2/NDF:31.3/24

Right Out: 327.595+/-338.911 χ^2/NDF: 19.9/29

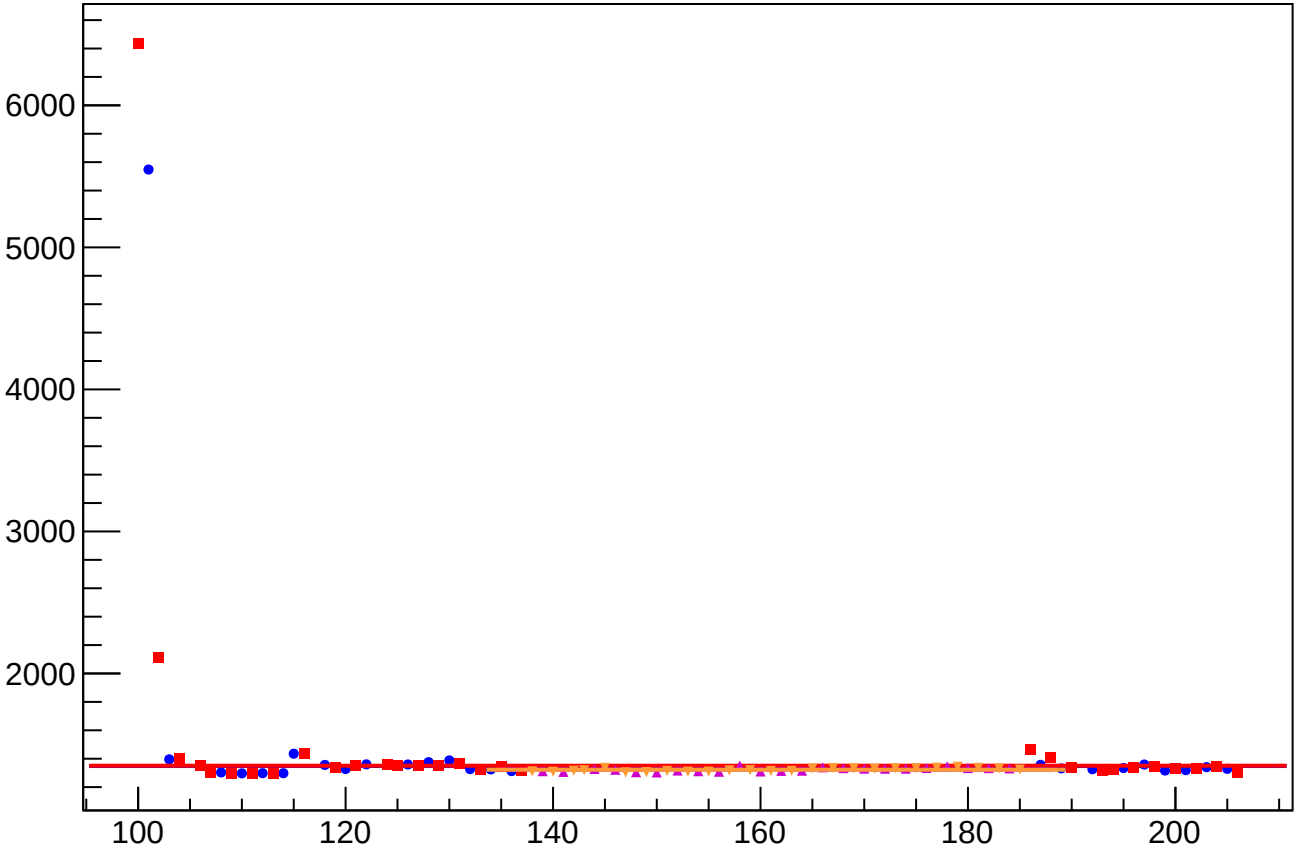
Left In: 50.244+/-308.986 χ^2/NDF:27.8/22

+ sign -69.335+/-231.672 χ^2/NDF: 60.6/49

All: 55.182+/-162.624 χ^2/NDF: 109.2/102

- sign 176.137+/-228.334 χ^2/NDF: 48.1/52

eigen_dit_asym_usr_atr1_dd_rms vs Slug



Right In: 1348.469+/-0.257 χ^2/NDF: 764322.5/24

Left Out: 1322.369+/-0.212 χ^2/NDF:2931.9/24

Right Out: 1350.711+/-0.240 χ^2/NDF: 219837.0/29

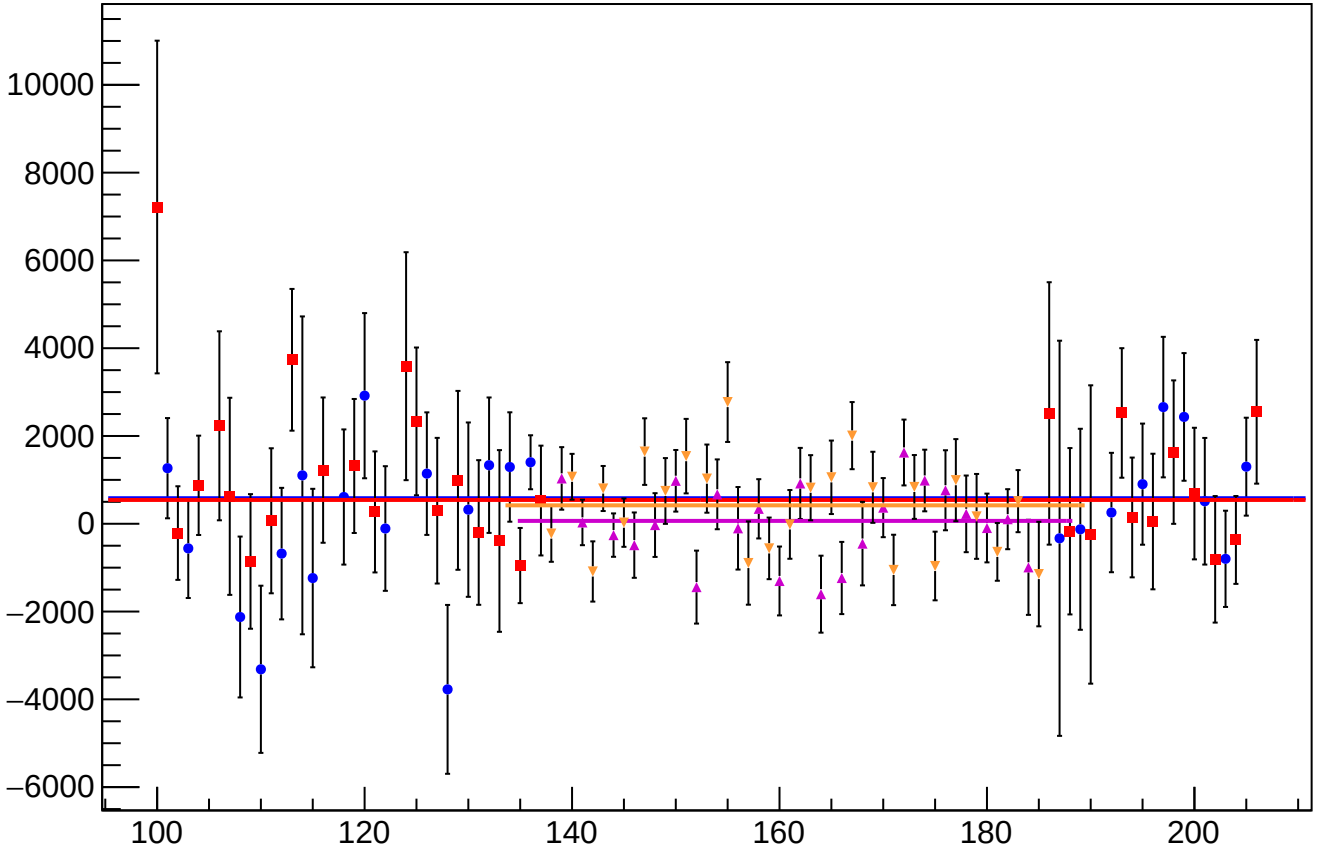
Left In: 1323.337+/-0.218 χ^2/NDF:3856.3/22

+ sign 1332.943+/-0.164 χ^2/NDF: 773372.1/49

All: 1334.373+/-0.115 χ^2/NDF: 1004340.5/10

- sign 1335.762+/-0.161 χ^2/NDF: 230818.2/52

asym_usr_atr1_dd_eigen_dit_correction_mean vs Slug



Right In: 581.736+/-276.130 χ^2/NDF: 24.3/24

Left Out: 419.899+/-146.436 χ^2/NDF:41.5/24

Right Out: 542.945+/-278.294 χ^2/NDF: 21.9/29

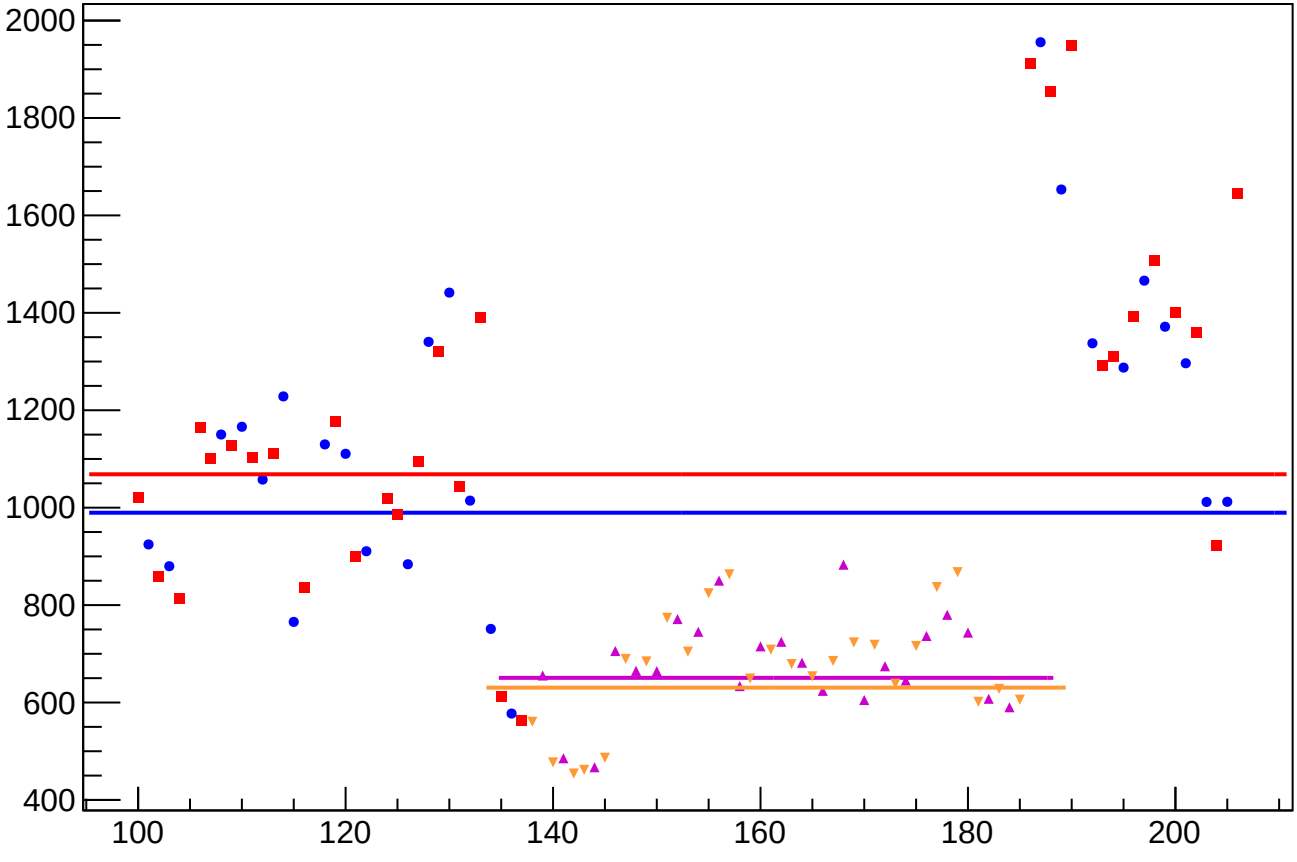
Left In: 65.405+/-154.225 χ^2/NDF:27.0/22

+ sign 455.423+/-129.370 χ^2/NDF: 66.1/49

All: 322.321+/-93.371 χ^2/NDF: 119.5/102

- sign 177.606+/-134.895 χ^2/NDF: 51.2/52

asym_usr_atr1_dd_eigen_dit_correction_rms vs Slug



Right In: 989.635+/-0.195 χ^2/NDF: 2171375.5/24

Left Out: 630.592+/-0.104 χ^2/NDF:1328610.2/24

Right Out: 1068.543+/-0.197 χ^2/NDF: 2698902.8/29

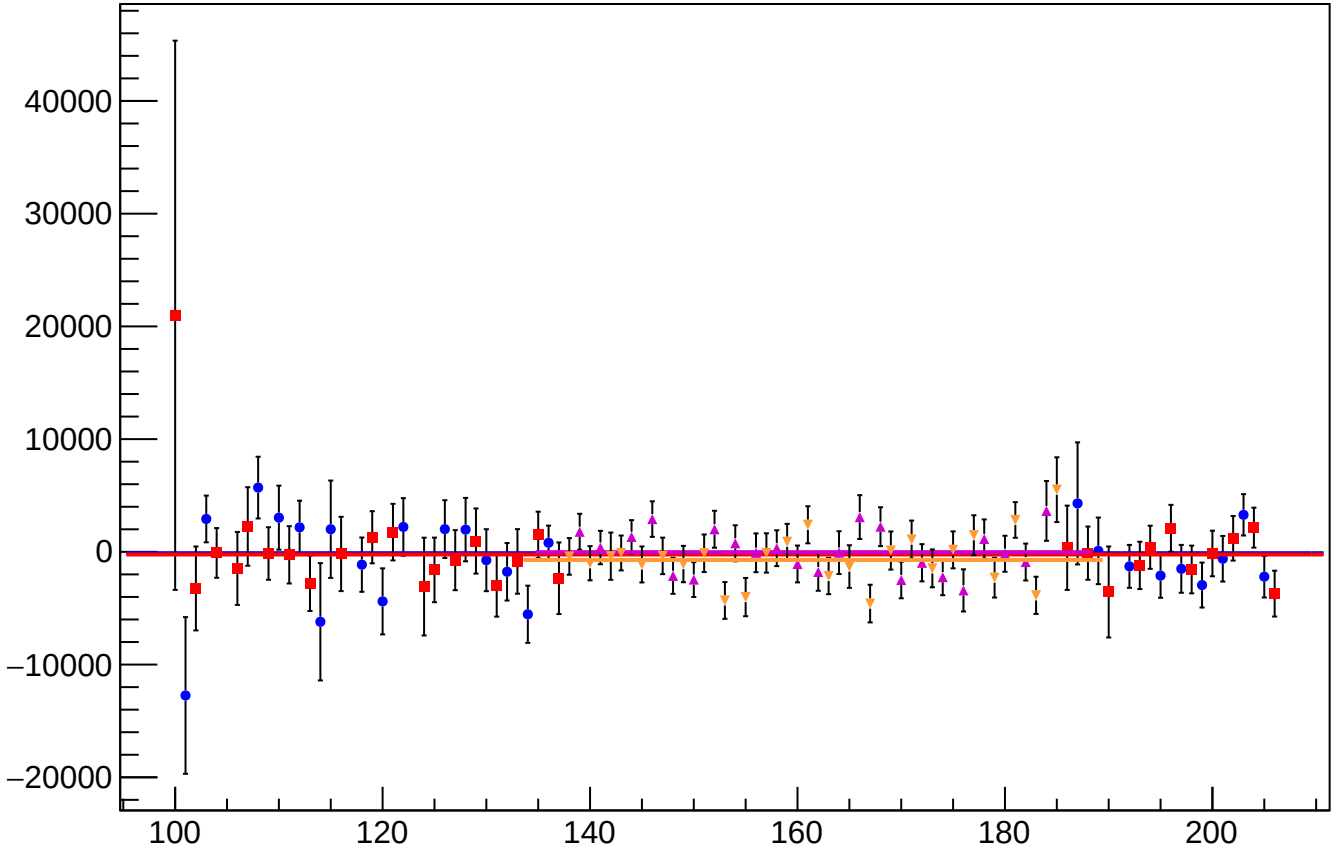
Left In: 650.638+/-0.109 χ^2/NDF:922087.6/22

+ sign 709.403+/-0.091 χ^2/NDF: 6139153.9/49

All: 728.291+/-0.066 χ^2/NDF: 13299490.4/10

- sign 748.827+/-0.095 χ^2/NDF: 7071353.1/52

asym_usr_atr1_dd_mean vs Slug



Right In: -118.016+/-478.663 χ^2/NDF: 32.8/24

Left Out: -718.291+/-337.578 χ^2/NDF:37.7/24

Right Out: -233.821+/-458.530 χ^2/NDF: 15.3/29

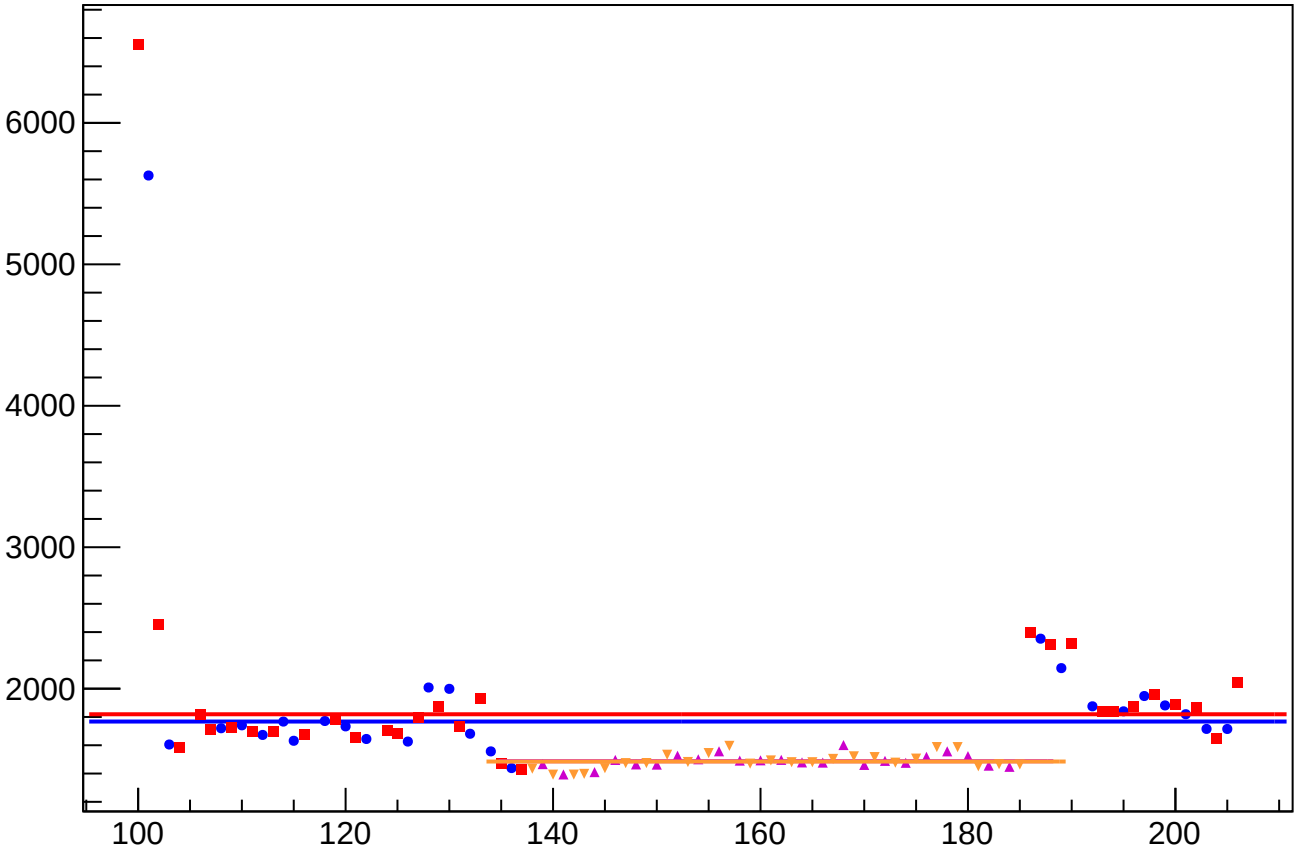
Left In: -27.514+/-347.415 χ^2/NDF:28.0/22

+ sign -518.900+/-275.872 χ^2/NDF: 71.6/49

All: -311.608+/-195.437 χ^2/NDF: 116.1/102

- sign -102.755+/-276.909 χ^2/NDF: 43.4/52

asym_usr_atr1_dd_rms vs Slug



Right In: 1767.653+/-0.338 χ^2/NDF: 874948.8/24

Left Out: 1484.960+/-0.239 χ^2/NDF:50905.1/24

Right Out: 1819.154+/-0.324 χ^2/NDF: 505156.5/29

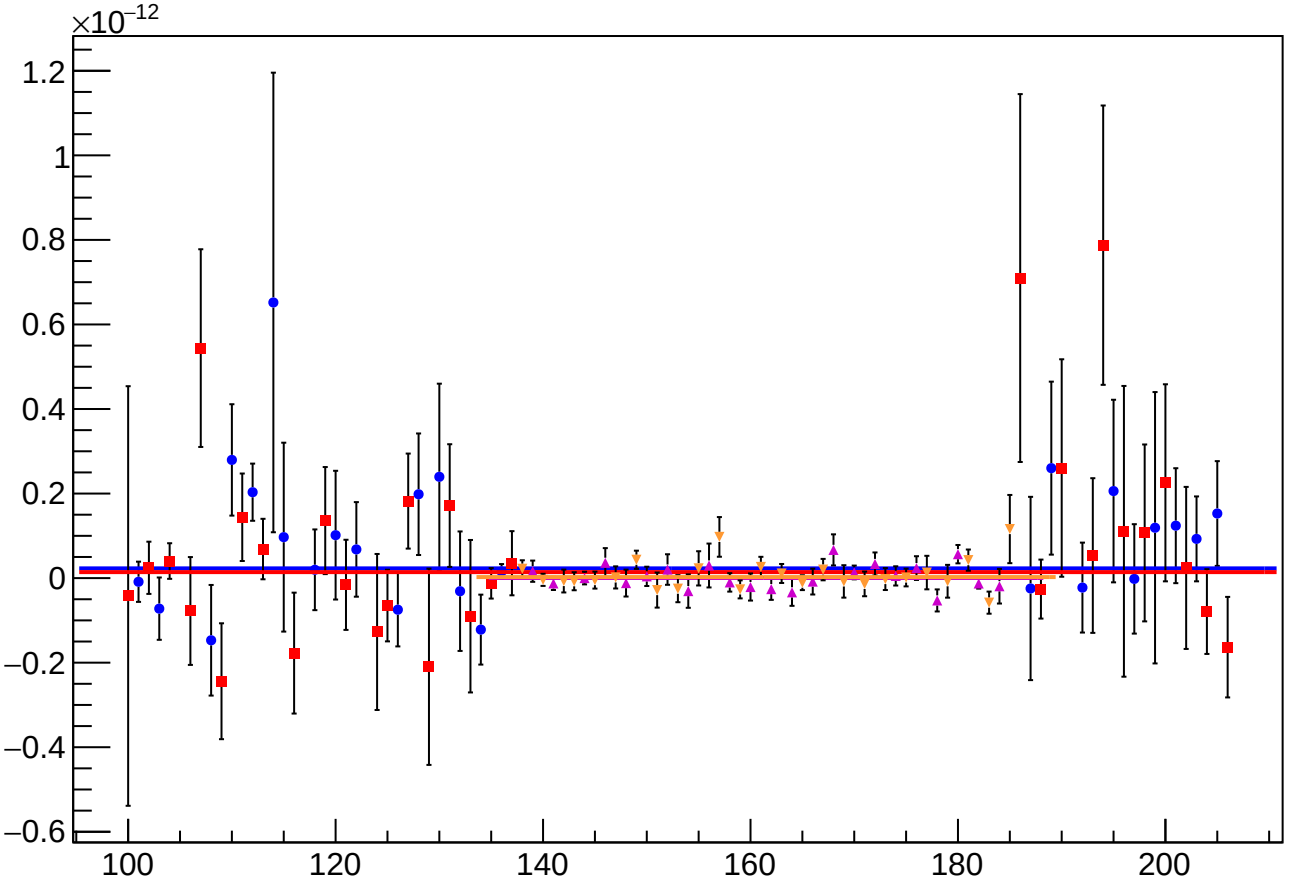
Left In: 1487.112+/-0.246 χ^2/NDF:34817.2/22

+ sign 1578.861+/-0.195 χ^2/NDF: 1391728.0/49

All: 1593.480+/-0.138 χ^2/NDF: 2609258.0/10

- sign 1608.209+/-0.196 χ^2/NDF: 1206255.5/52

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

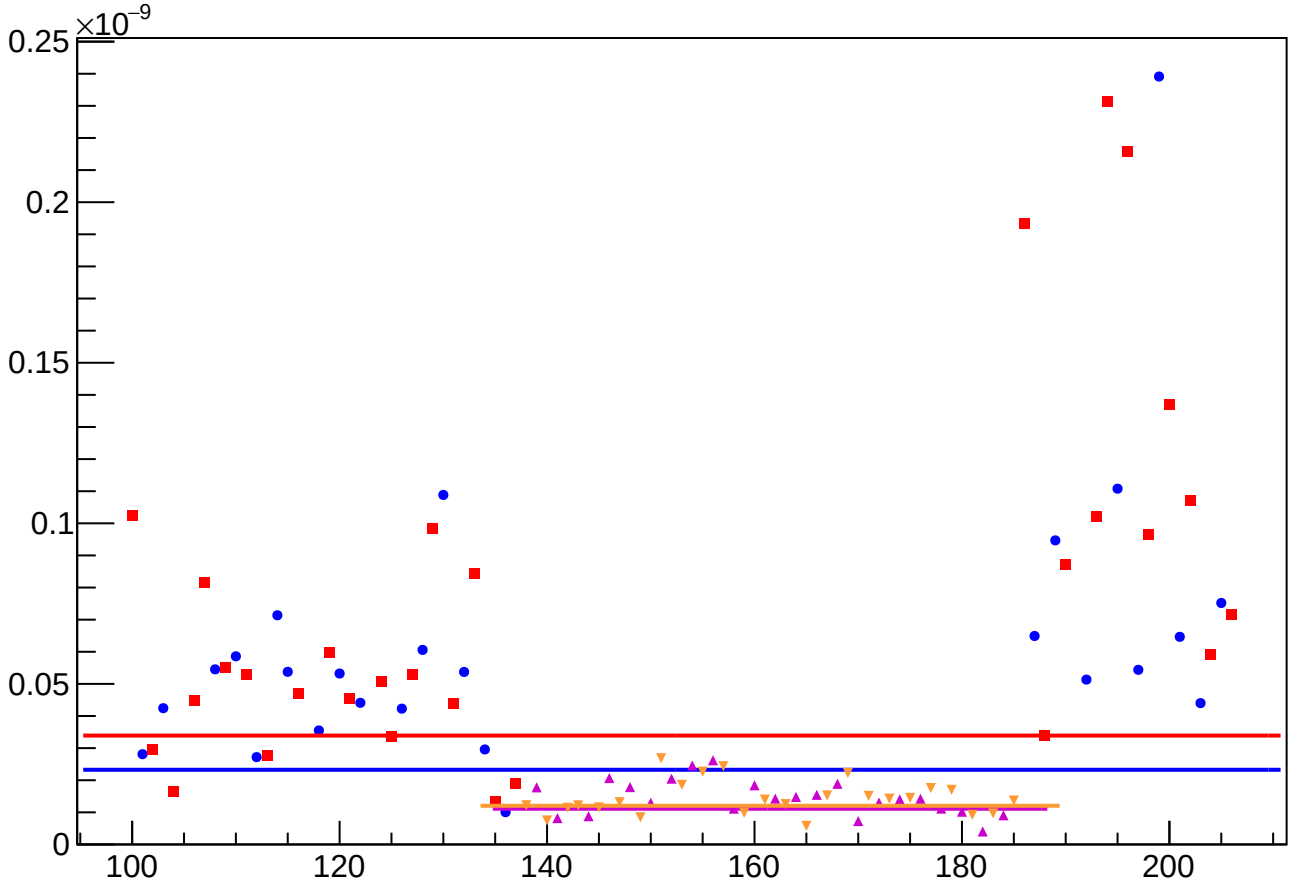
Right Out: 0.000+/-0.000 χ^2/NDF: 34.9/29

Left In: 0.000+/-0.000 χ^2/NDF:24.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 55.6/49

All: 0.000+/-0.000 χ^2/NDF: 116.3/102

- sign 0.000+/-0.000 χ^2/NDF: 60.4/52



Right In: 0.000+/-0.000 χ^2/NDF: 4846203.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1520224.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4973492.3/29

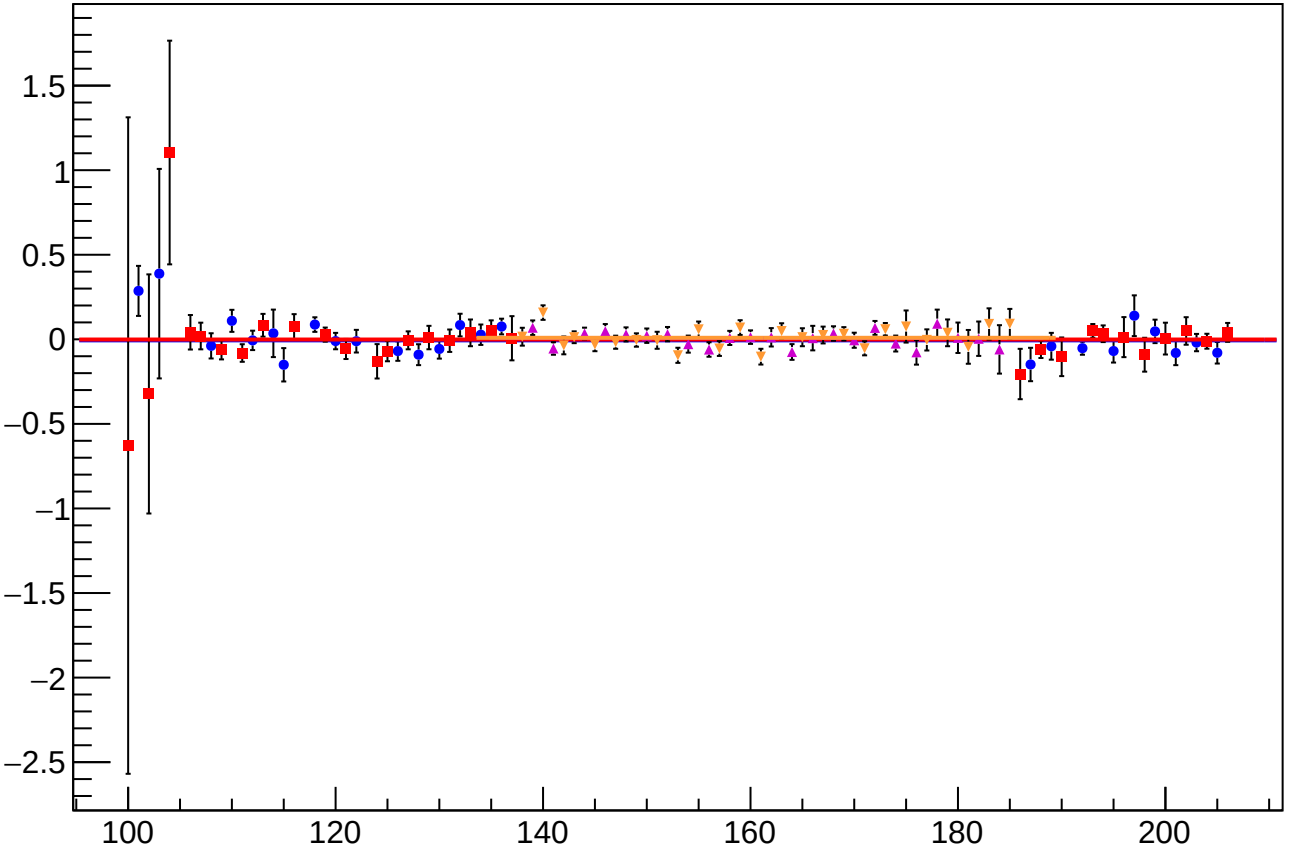
Left In: 0.000+/-0.000 χ^2/NDF:2209676.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7540827.0/49

All: 0.000+/-0.000 χ^2/NDF: 17874937.0/102

- sign 0.000+/-0.000 χ^2/NDF: 10317978.5/52

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.006+/-0.013 χ^2/NDF: 32.8/24

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.001+/-0.012 χ^2/NDF: 22.8/29

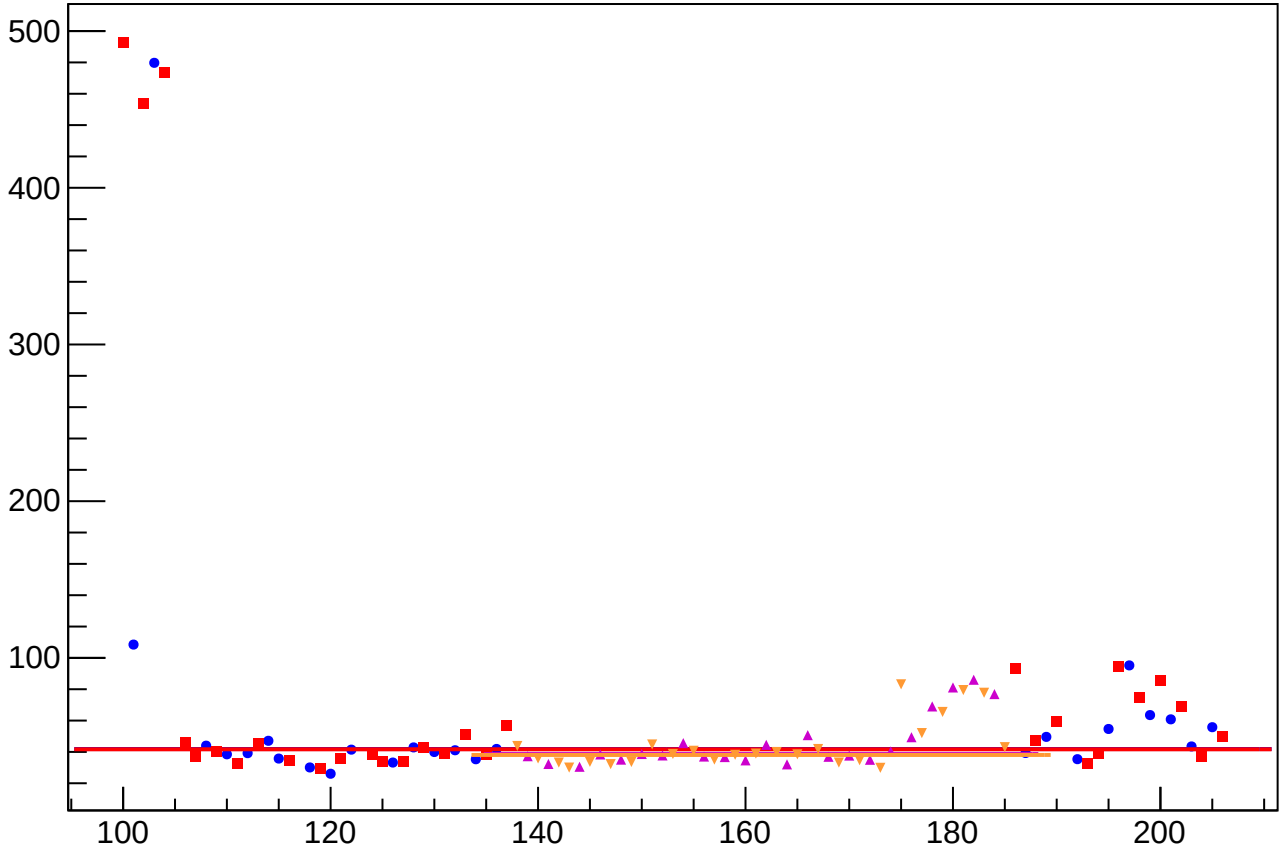
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.003+/-0.008 χ^2/NDF: 72.3/49

All: 0.004+/-0.005 χ^2/NDF: 114.3/102

- sign 0.004+/-0.008 χ^2/NDF: 42.0/52

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.834+/-0.009 χ^2/NDF: 2829817.0/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

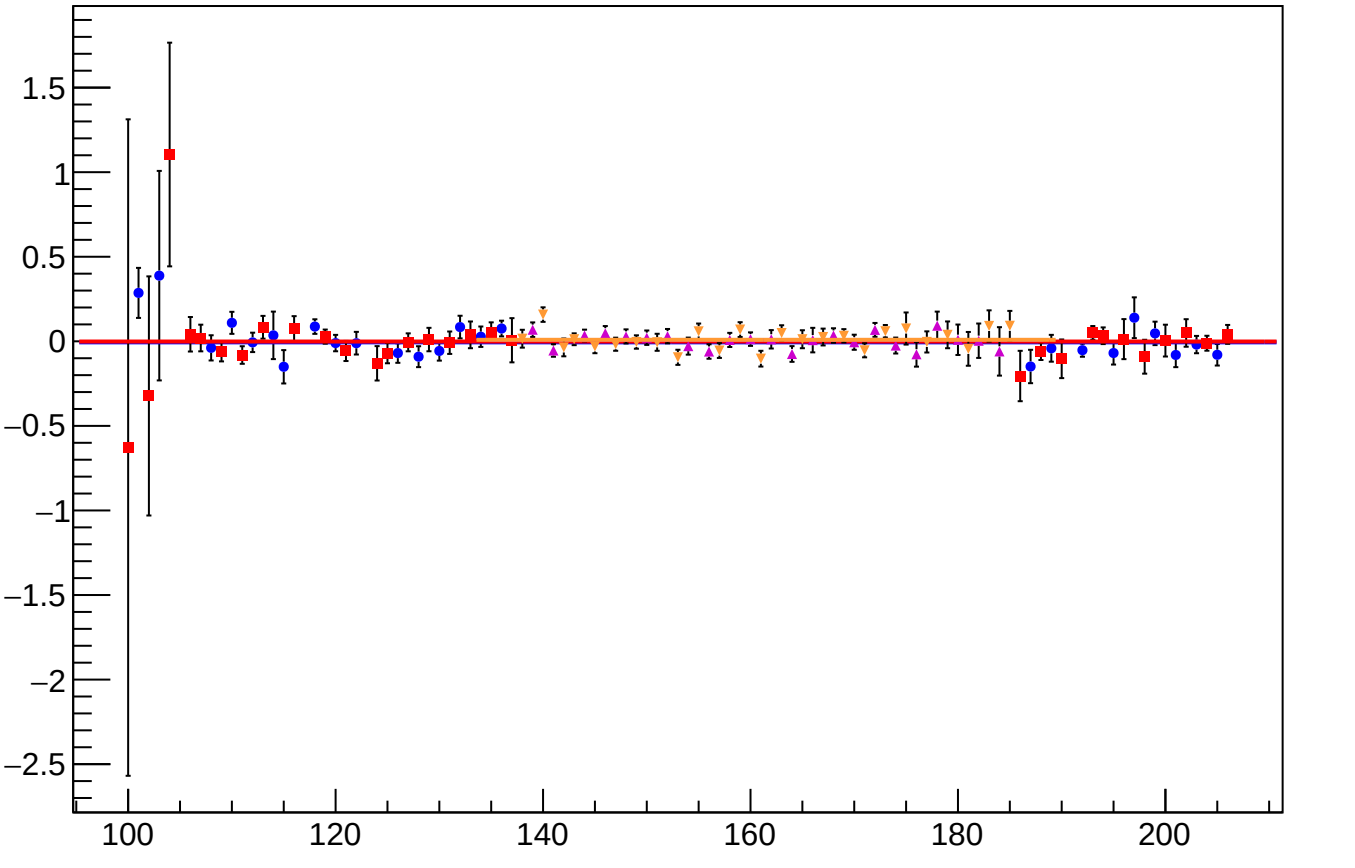
Right Out: 41.678+/-0.009 χ^2/NDF: 3839178.5/29

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 39.429+/-0.005 χ^2/NDF: 4908900.1/49

All: 39.632+/-0.004 χ^2/NDF: 10553537.0/102

\- sign 39.839+/-0.005 χ^2/NDF: 5641783.0/52



Right In: -0.006+/-0.013 χ^2/NDF: 32.8/24

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.001+/-0.012 χ^2/NDF: 22.8/29

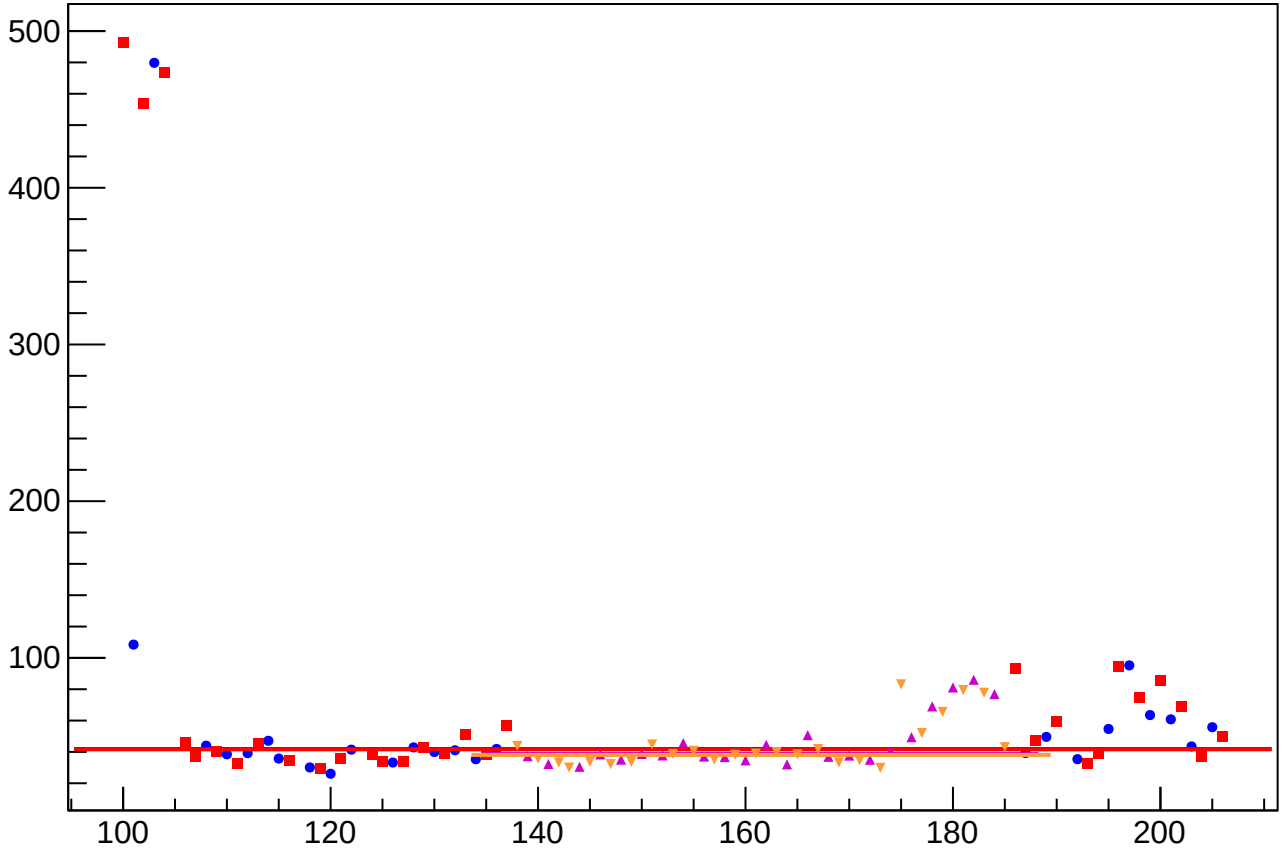
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.003+/-0.008 χ^2/NDF: 72.3/49

All: 0.004+/-0.005 χ^2/NDF: 114.3/102

- sign 0.004+/-0.008 χ^2/NDF: 42.0/52

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 41.834+/-0.009 χ^2/NDF: 2829817.0/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967115.3/24

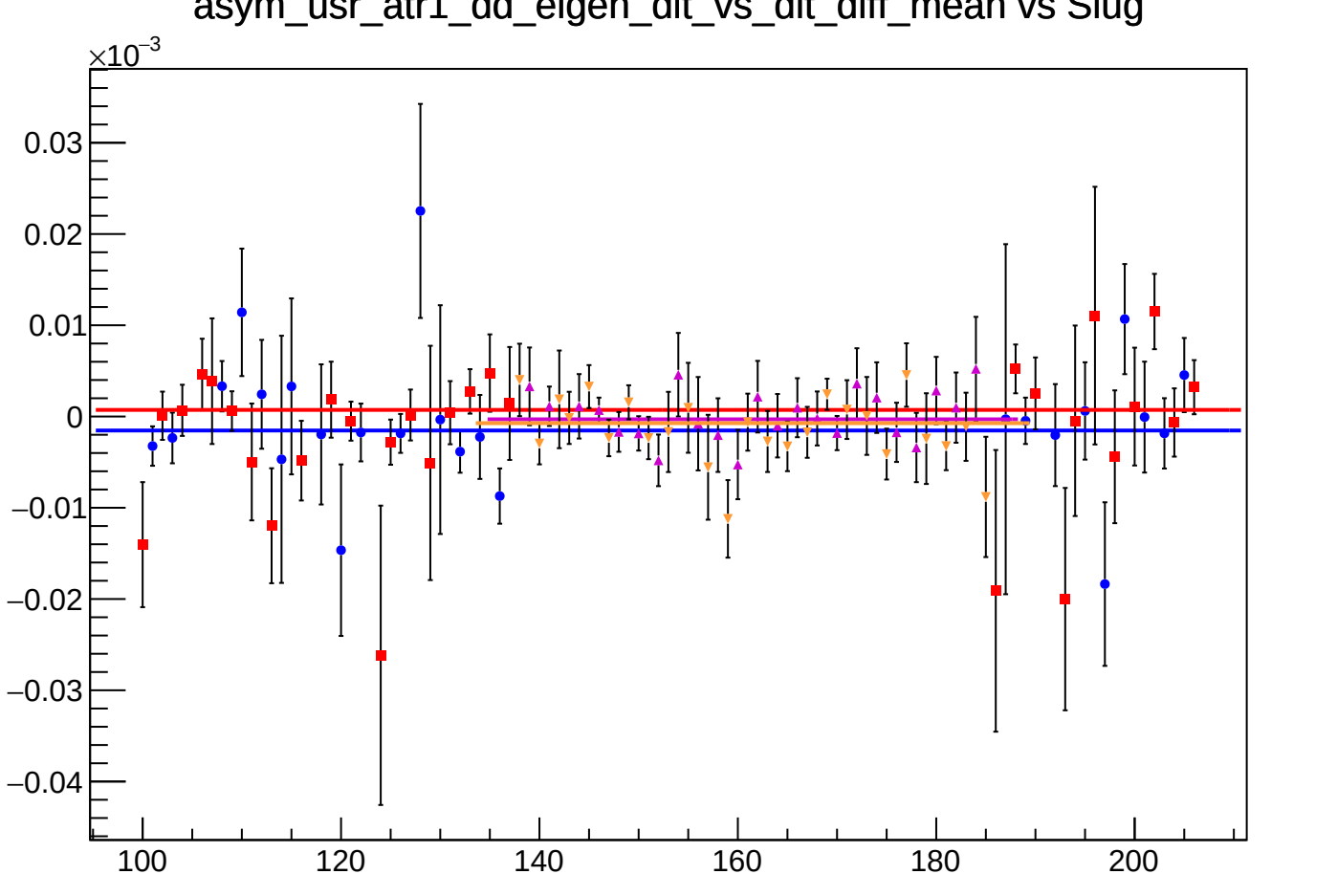
Right Out: 41.678+/-0.009 χ^2/NDF: 3839178.5/29

Left In: 38.630+/-0.007 χ^2/NDF:1727664.7/22

\+ sign 39.429+/-0.005 χ^2/NDF: 4908900.1/49

All: 39.632+/-0.004 χ^2/NDF: 10553537.0/102

\- sign 39.839+/-0.005 χ^2/NDF: 5641783.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 31.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:26.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 35.7/29

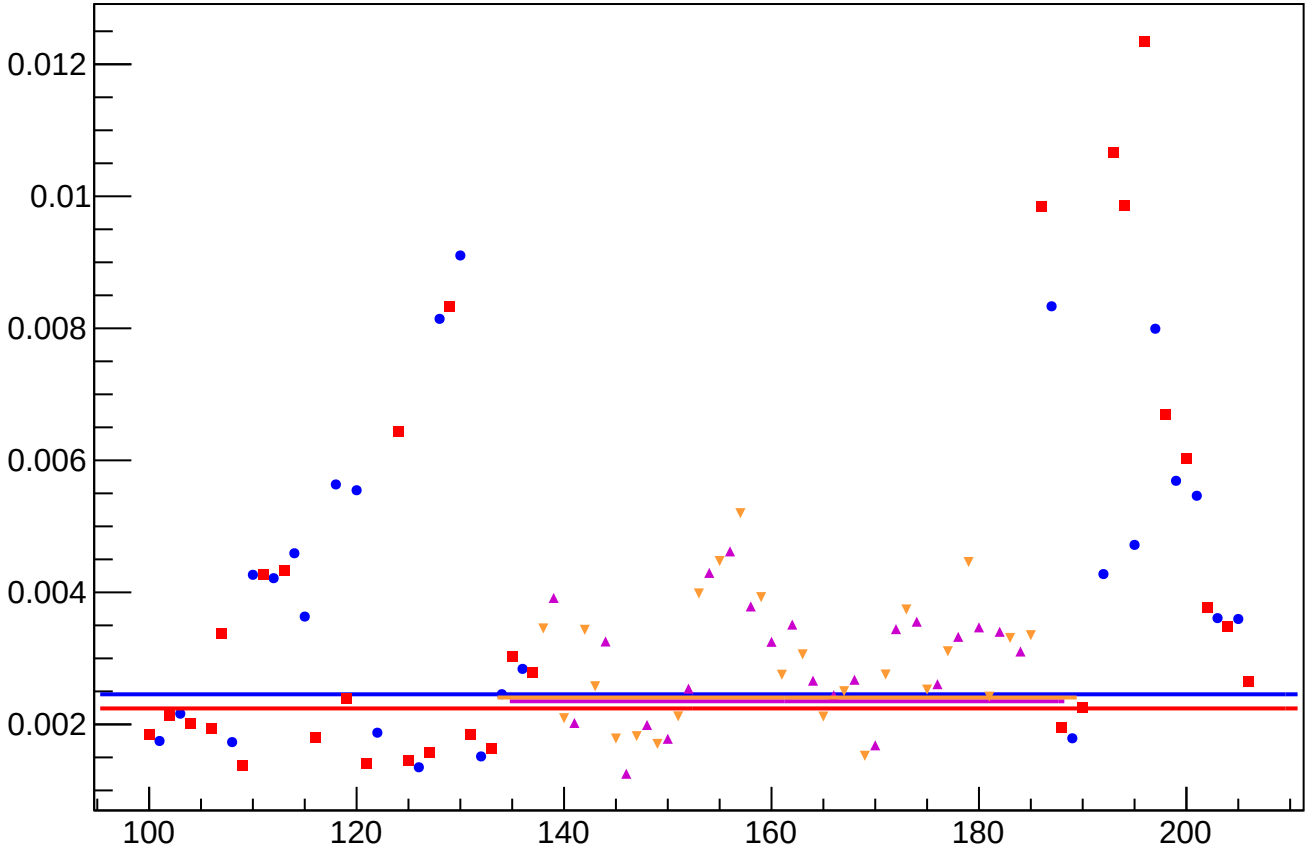
Left In: -0.000+/-0.000 χ^2/NDF:13.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.4/49

All: -0.000+/-0.000 χ^2/NDF: 112.3/102

- sign 0.000+/-0.000 χ^2/NDF: 50.8/52

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 6386885.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:3682960.0/24

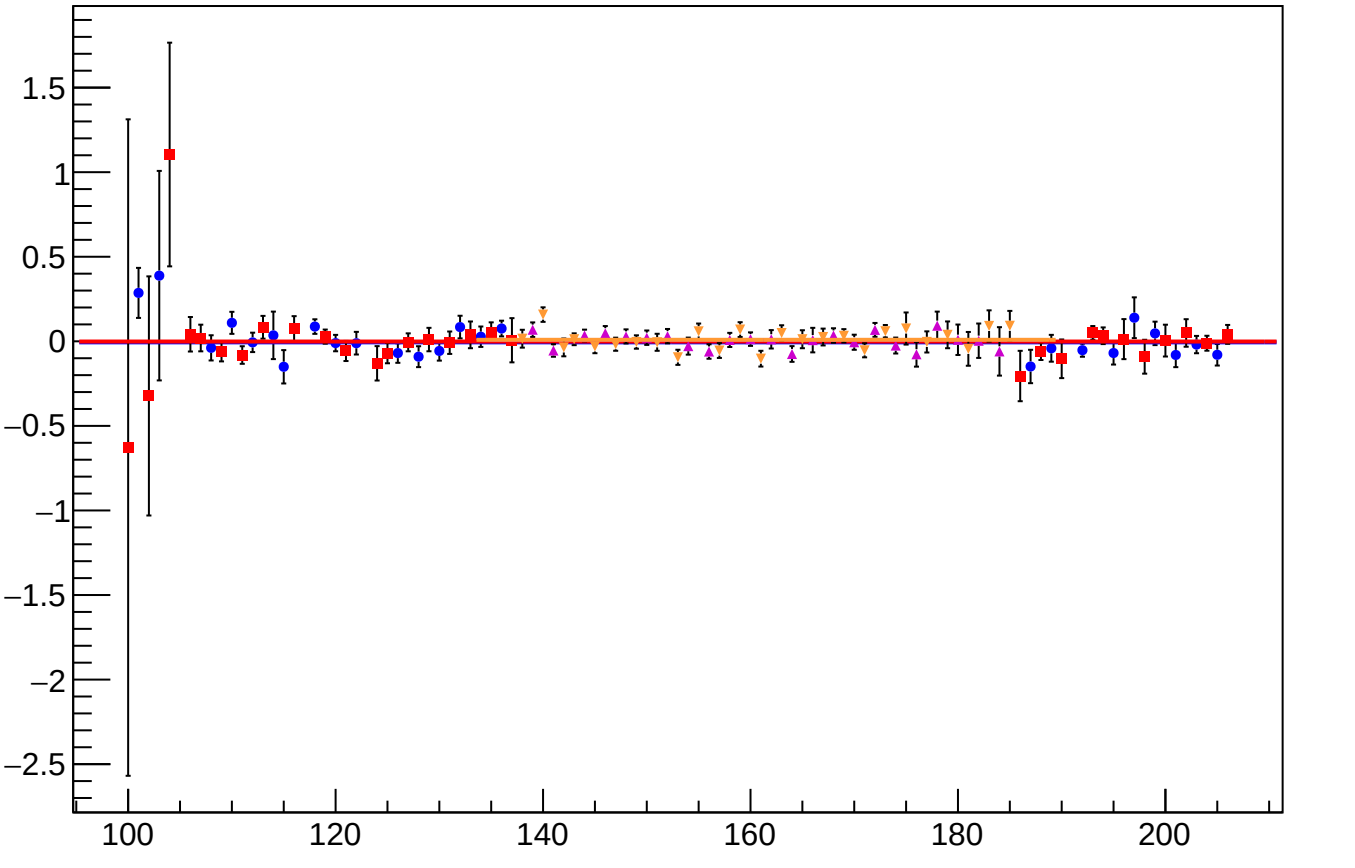
Right Out: 0.002+/-0.000 χ^2/NDF: 7819649.1/29

Left In: 0.002+/-0.000 χ^2/NDF:4438139.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 10074871.9/49

All: 0.002+/-0.000 χ^2/NDF: 22431054.1/102

- sign 0.002+/-0.000 χ^2/NDF: 12286425.2/52



Right In: -0.006+/-0.013 χ^2/NDF: 32.8/24

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

Right Out: -0.001+/-0.012 χ^2/NDF: 22.8/29

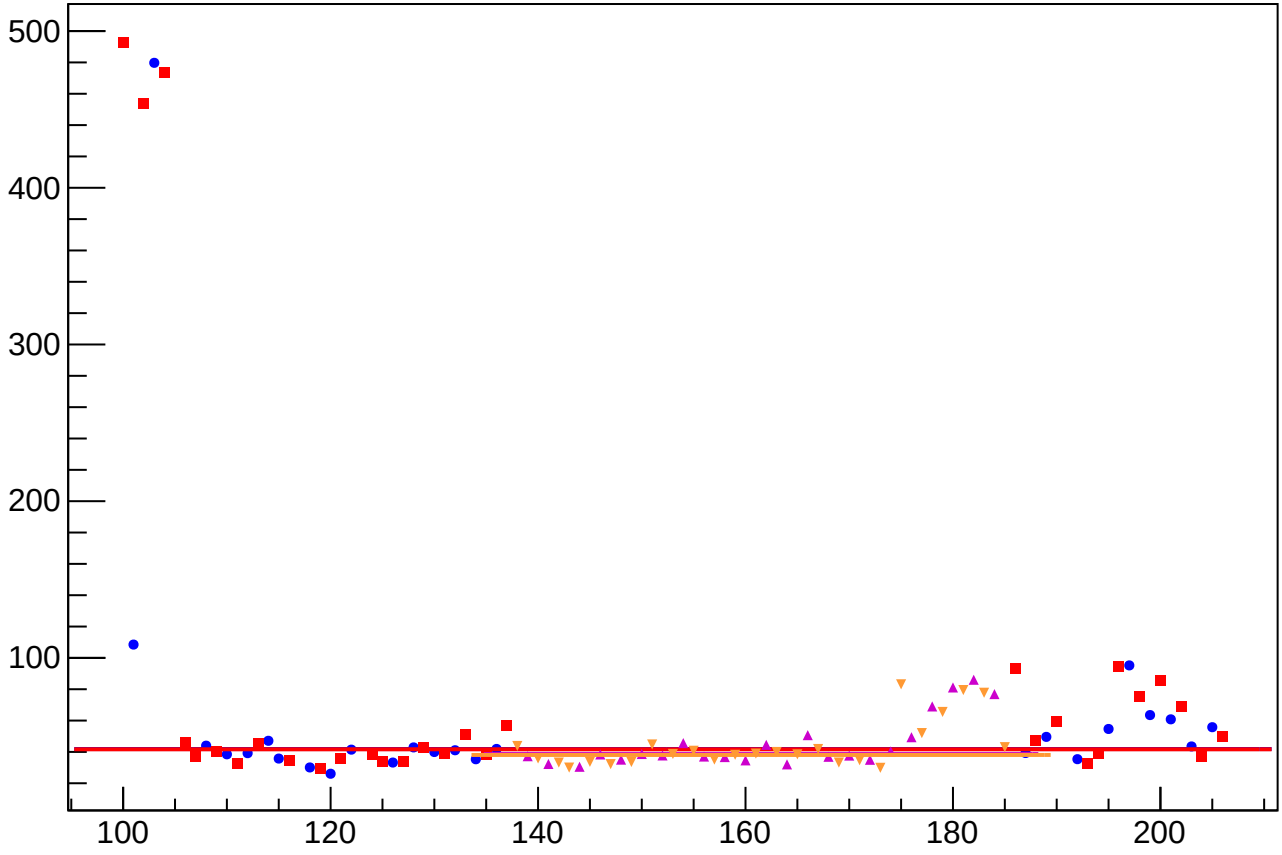
Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.003+/-0.008 χ^2/NDF: 72.3/49

All: 0.004+/-0.005 χ^2/NDF: 114.3/102

- sign 0.004+/-0.008 χ^2/NDF: 42.0/52

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 41.833+/-0.009 χ^2/NDF: 2829990.2/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

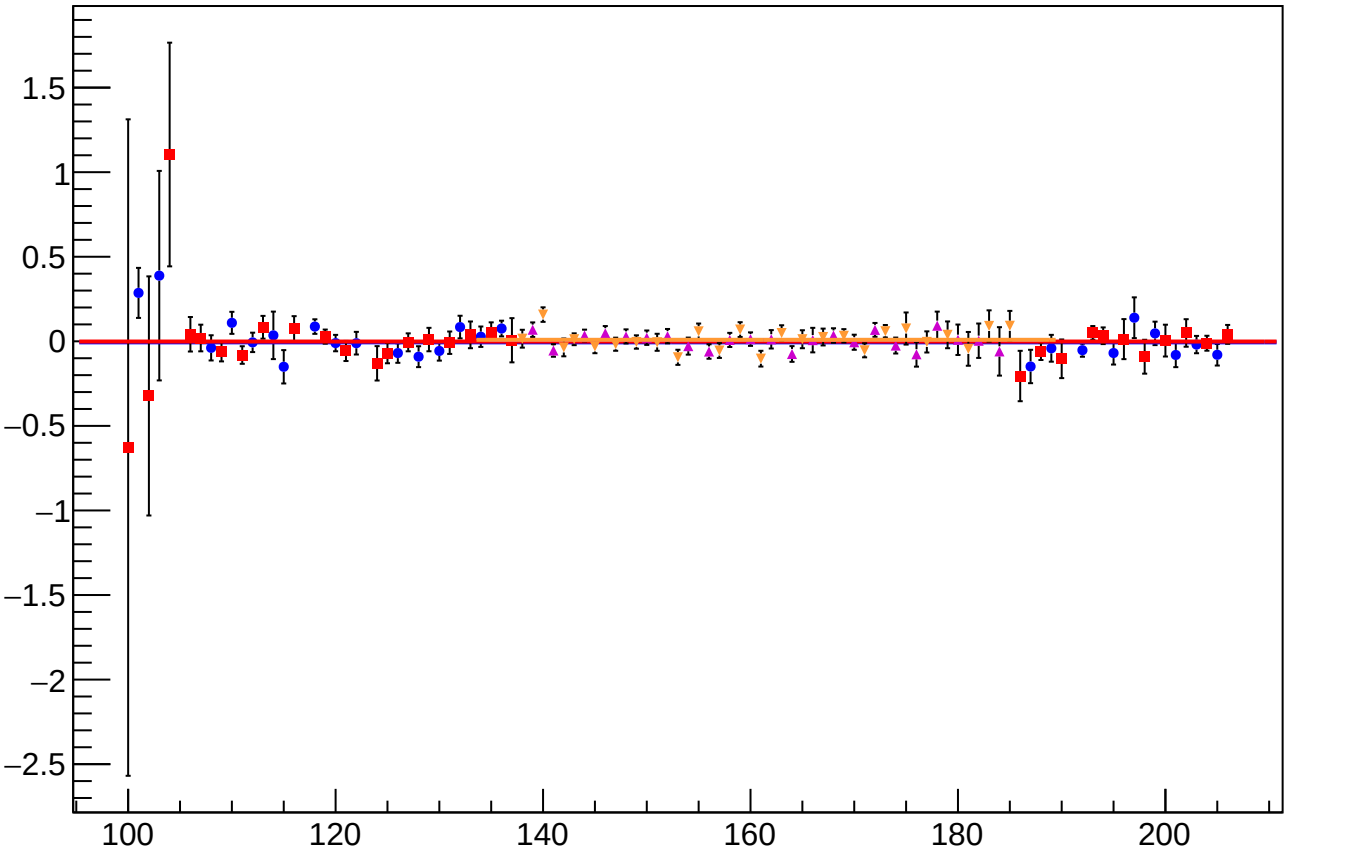
Right Out: 41.675+/-0.009 χ^2/NDF: 3839693.3/29

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.428+/-0.005 χ^2/NDF: 4909037.4/49

All: 39.631+/-0.004 χ^2/NDF: 10554078.3/102

- sign 39.837+/-0.005 χ^2/NDF: 5642201.1/52



Right In: -0.006+/-0.013 χ^2/NDF: 32.8/24

Left Out: 0.009+/-0.010 χ^2/NDF:38.6/24

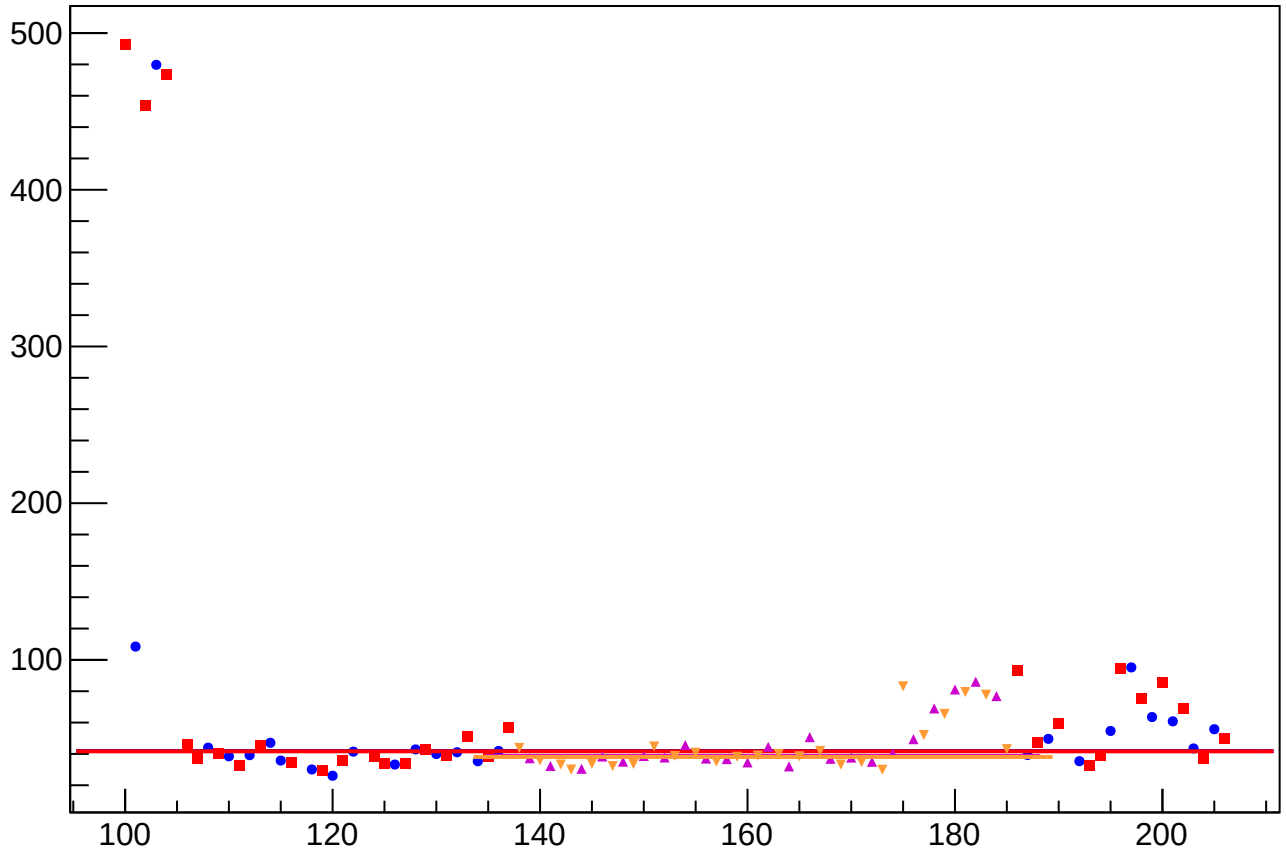
Right Out: -0.001+/-0.012 χ^2/NDF: 22.8/29

Left In: 0.008+/-0.010 χ^2/NDF:18.9/22

+ sign 0.003+/-0.008 χ^2/NDF: 72.3/49

All: 0.004+/-0.005 χ^2/NDF: 114.3/102

- sign 0.004+/-0.008 χ^2/NDF: 42.0/52



Right In: 41.833+/-0.009 χ^2/NDF: 2829990.2/24

Left Out: 38.067+/-0.007 χ^2/NDF:1967110.9/24

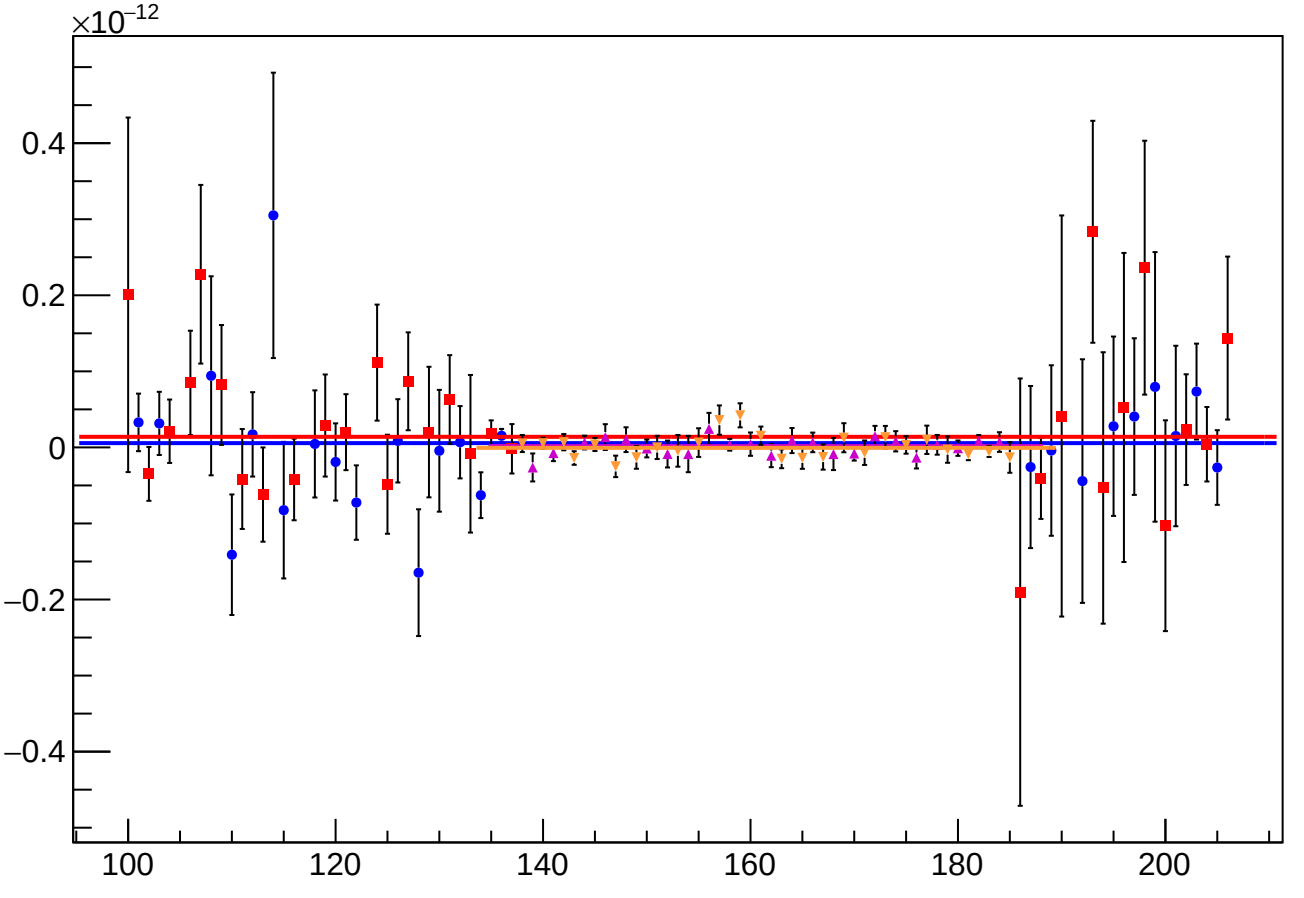
Right Out: 41.675+/-0.009 χ^2/NDF: 3839693.3/29

Left In: 38.630+/-0.007 χ^2/NDF:1727699.0/22

+ sign 39.428+/-0.005 χ^2/NDF: 4909037.4/49

All: 39.631+/-0.004 χ^2/NDF: 10554078.3/102

- sign 39.837+/-0.005 χ^2/NDF: 5642201.1/52



Right In: 0.000+/-0.000 χ^2/NDF: 23.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:26.9/24

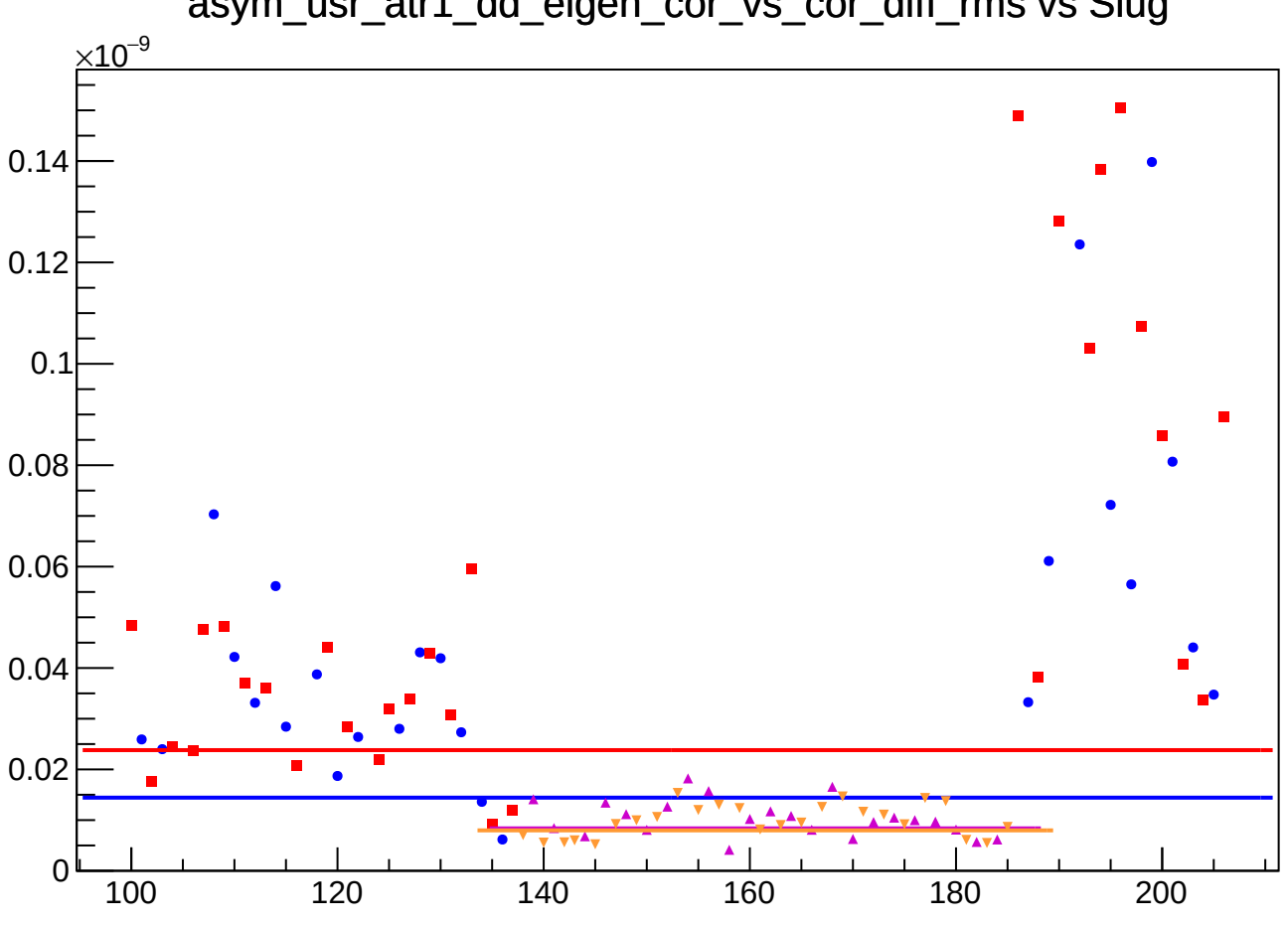
Right Out: 0.000+/-0.000 χ^2/NDF: 25.2/29

Left In: 0.000+/-0.000 χ^2/NDF:11.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.3/49

All: 0.000+/-0.000 χ^2/NDF: 90.1/102

- sign 0.000+/-0.000 χ^2/NDF: 38.2/52



Right In: 0.000+/-0.000 χ^2/NDF: 8634940.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:2831909.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7829472.5/29

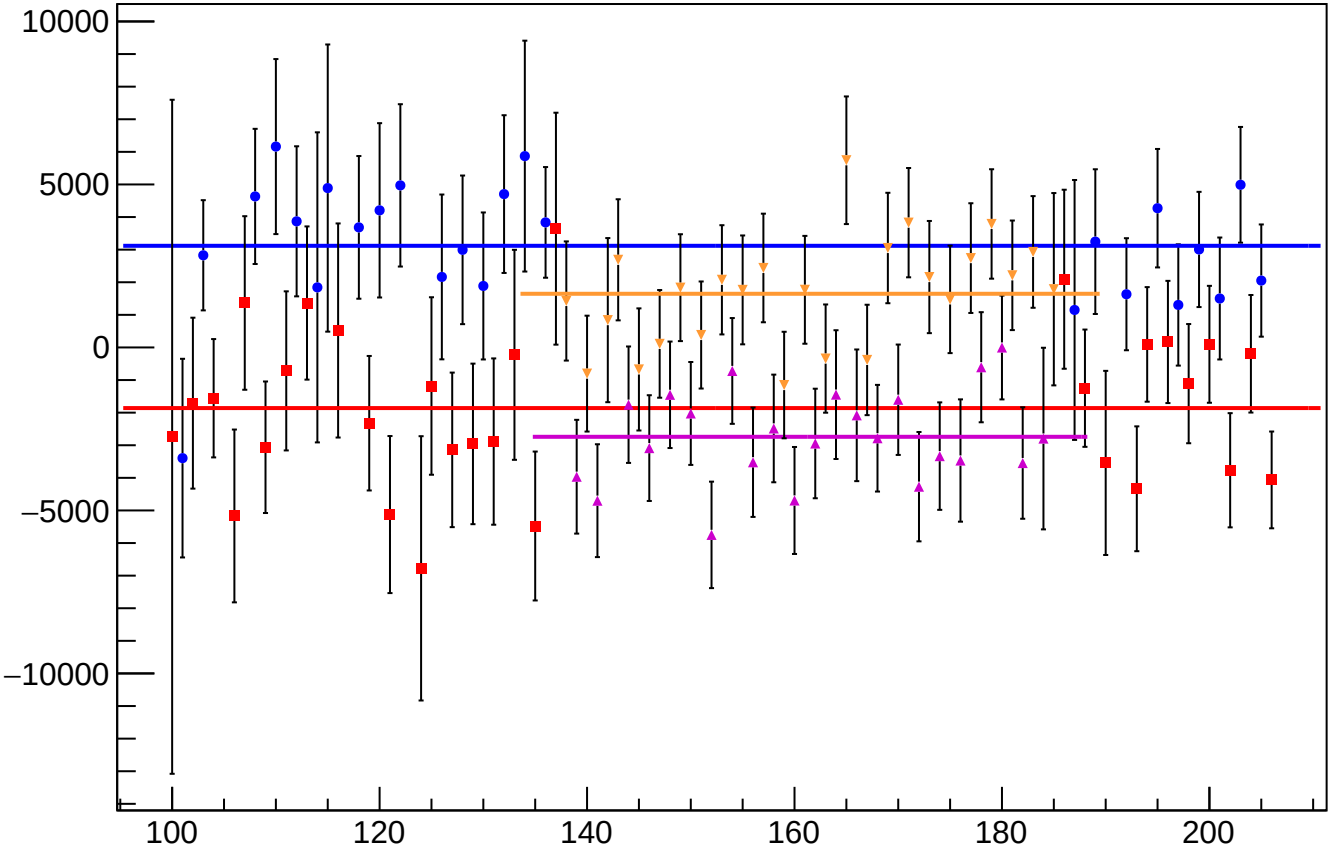
Left In: 0.000+/-0.000 χ^2/NDF:2786396.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 12867261.3/49

All: 0.000+/-0.000 χ^2/NDF: 28142649.7/102

- sign 0.000+/-0.000 χ^2/NDF: 15177572.3/52

reg_asym_usr_atr2_avg_mean vs Slug



Right In: 3118.222+/-437.518 χ^2/NDF: 13.8/24

Left Out: 1646.402+/-349.758 χ^2/NDF:21.0/24

Right Out: -1859.708+/-406.836 χ^2/NDF: 27.5/29

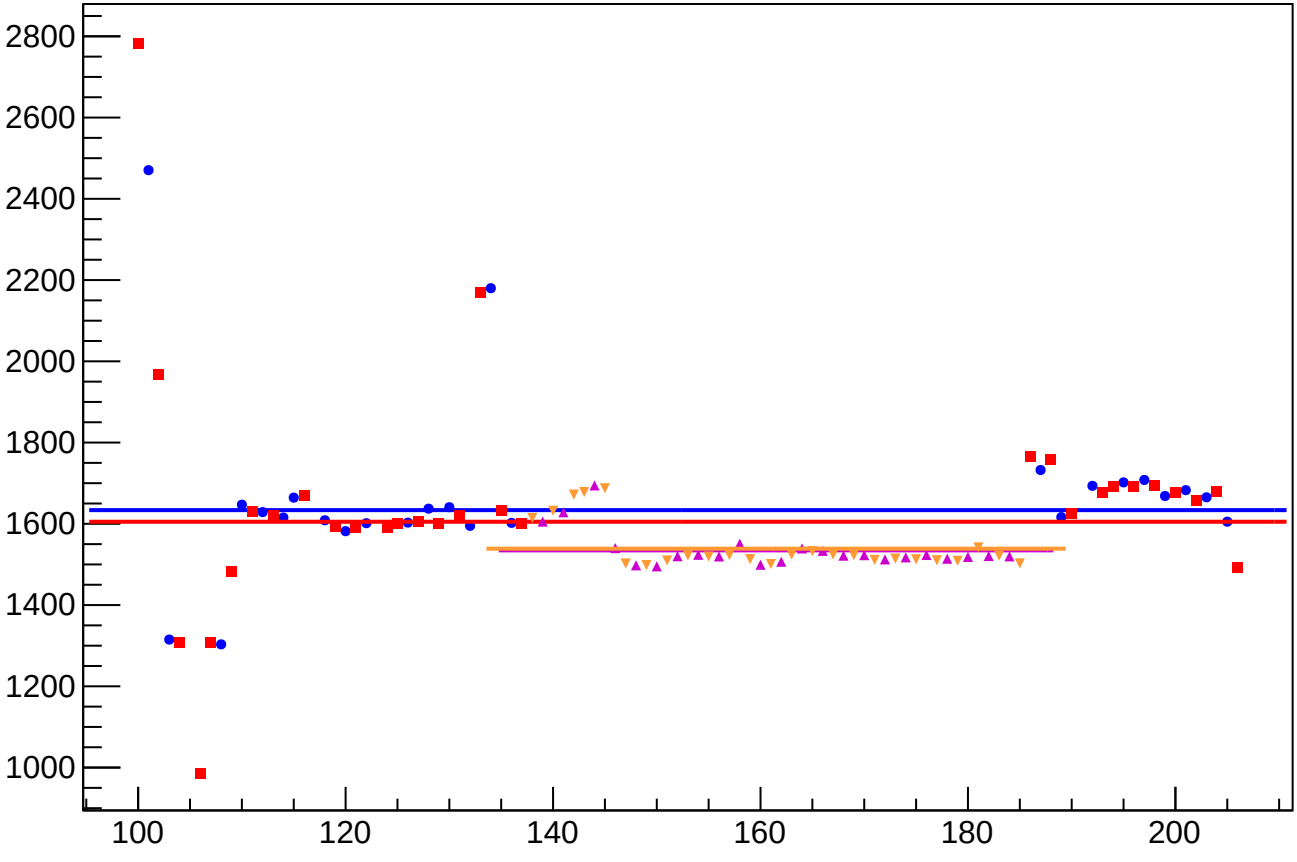
Left In: -2740.924+/-358.458 χ^2/NDF:16.4/22

+ sign 2220.259+/-273.193 χ^2/NDF: 41.7/49

All: -103.549+/-191.660 χ^2/NDF: 230.8/102

- sign -2355.800+/-268.954 χ^2/NDF: 46.6/52

reg_asym_usr_atr2_avg_rms vs Slug



Right In: 1633.684+/-0.309 χ^2/NDF: 336489.9/24

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1605.085+/-0.285 χ^2/NDF: 455751.5/29

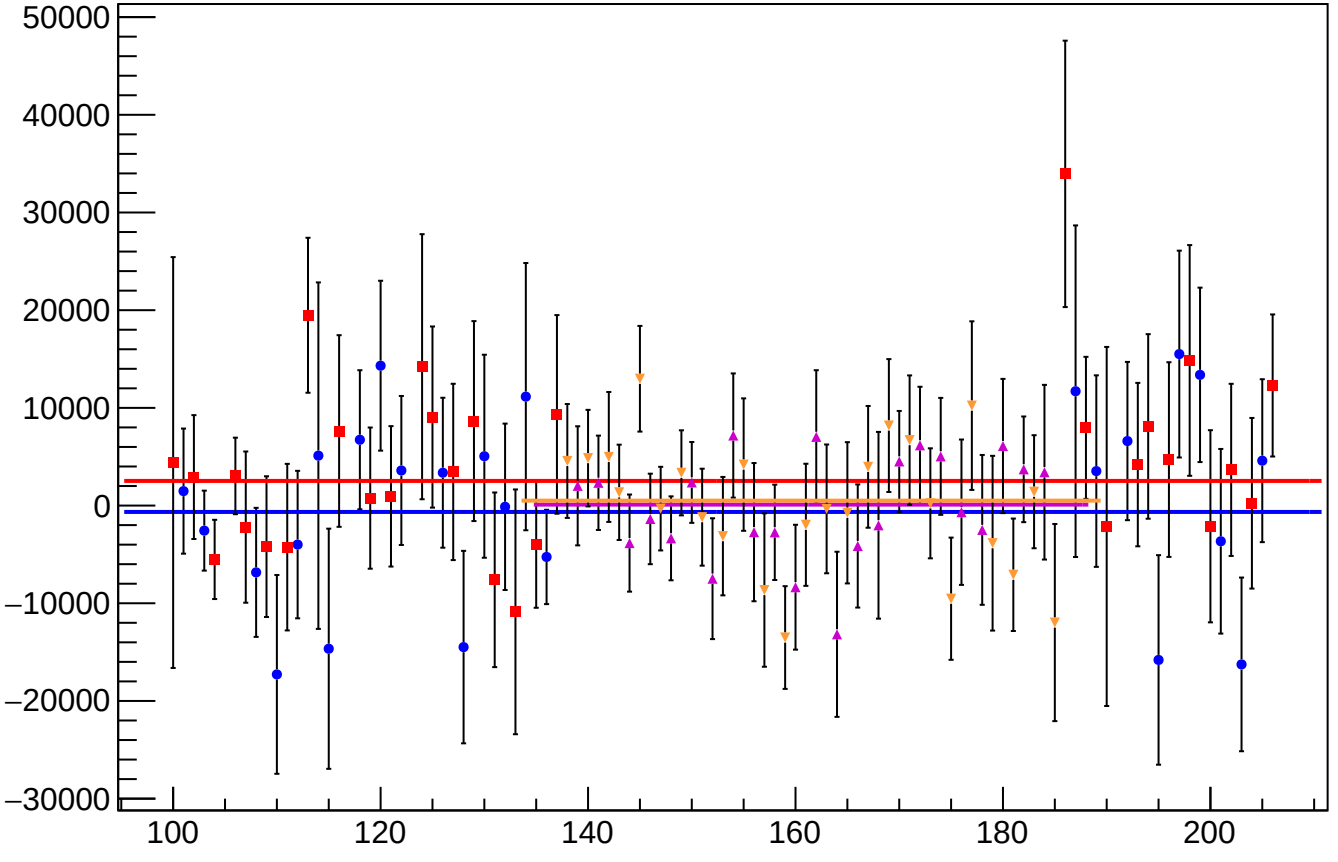
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1575.801+/-0.193 χ^2/NDF: 440923.4/49

All: 1570.651+/-0.135 χ^2/NDF: 963282.0/102

- sign 1565.695+/-0.190 χ^2/NDF: 520964.0/52

asym_usr_atr2_avg_reg_correction_mean vs Slug



Right In: -651.821+/-1600.779 χ^2/NDF: 25.9/24

Left Out: 503.846+/-1187.304 χ^2/NDF:26.8/24

Right Out: 2523.823+/-1437.203 χ^2/NDF: 25.8/29

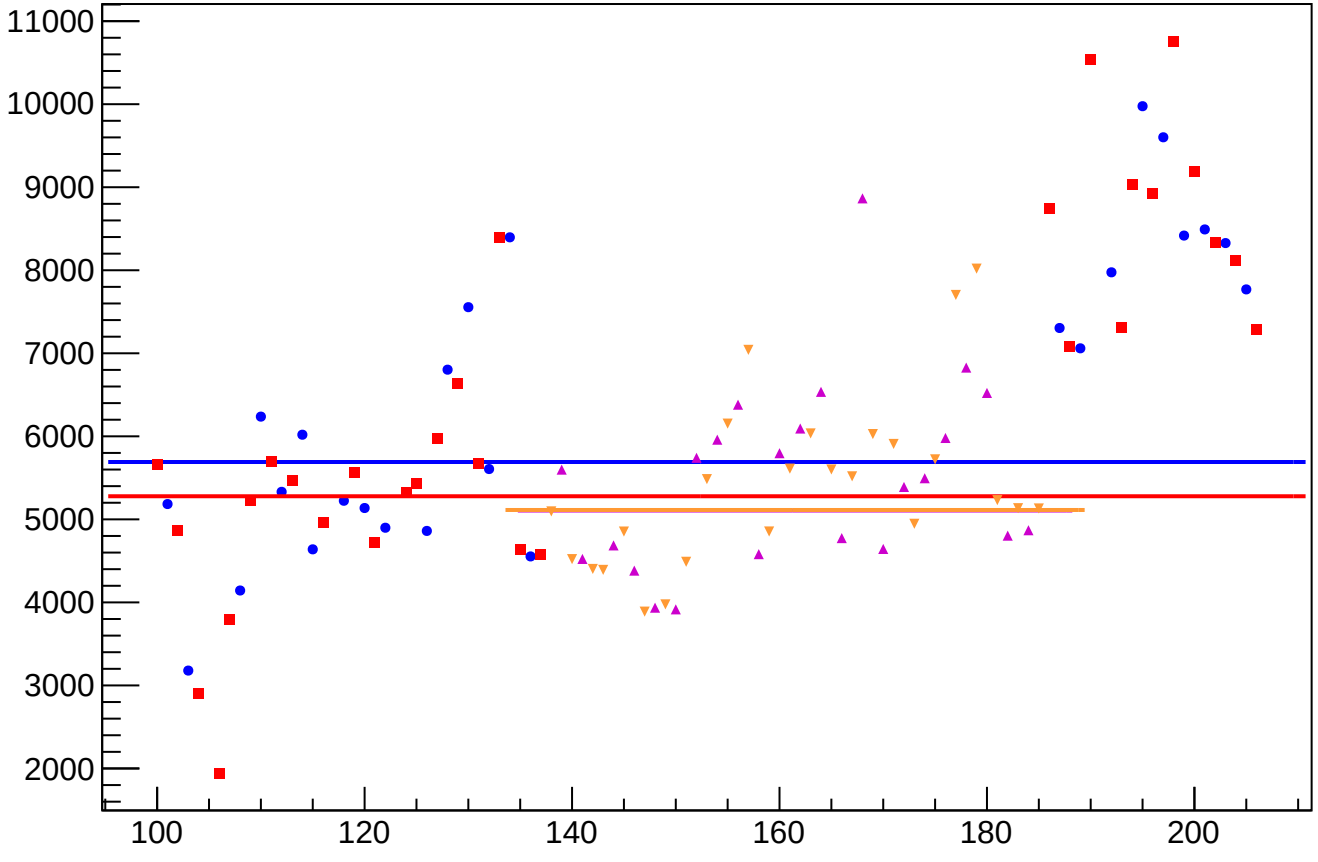
Left In: 97.910+/-1217.585 χ^2/NDF:14.9/22

+ sign 93.711+/-953.627 χ^2/NDF: 53.1/49

All: 615.934+/-665.443 χ^2/NDF: 96.0/102

- sign 1111.546+/-929.013 χ^2/NDF: 42.4/52

asym_usr_atr2_avg_reg_correction_rms vs Slug



Right In: 5690.750+/-1.132 χ^2/NDF: 2713053.3/24

Left Out: 5112.954+/-0.840 χ^2/NDF:1159010.4/24

Right Out: 5278.259+/-1.016 χ^2/NDF: 4918956.8/29

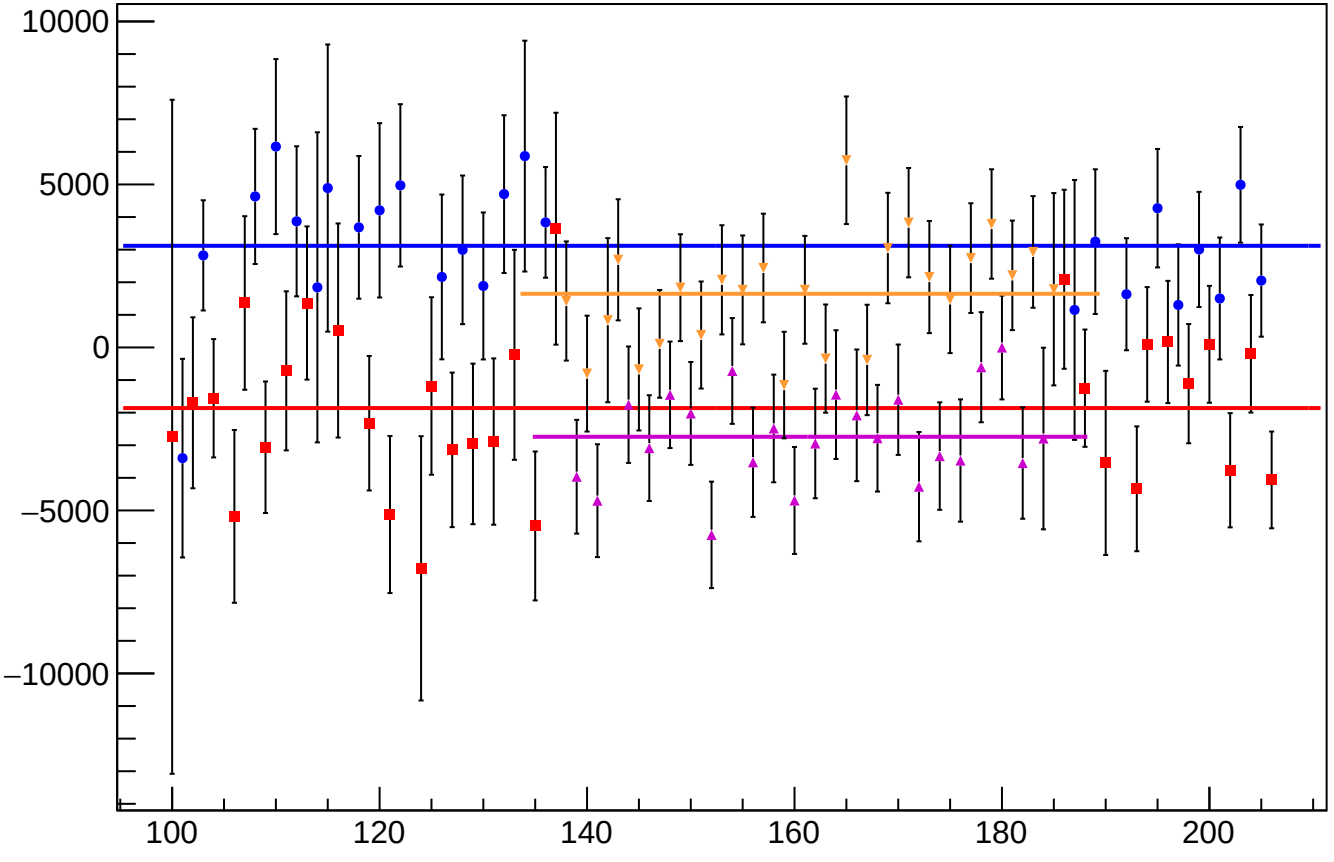
Left In: 5106.386+/-0.861 χ^2/NDF:1251622.3/22

+ sign 5318.008+/-0.674 χ^2/NDF: 4040157.0/49

All: 5246.277+/-0.471 χ^2/NDF: 10249442.8/1

- sign 5178.201+/-0.657 χ^2/NDF: 6187230.7/52

cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3118.078+/-437.518 χ^2/NDF: 13.8/24

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1859.711+/-406.837 χ^2/NDF: 27.5/29

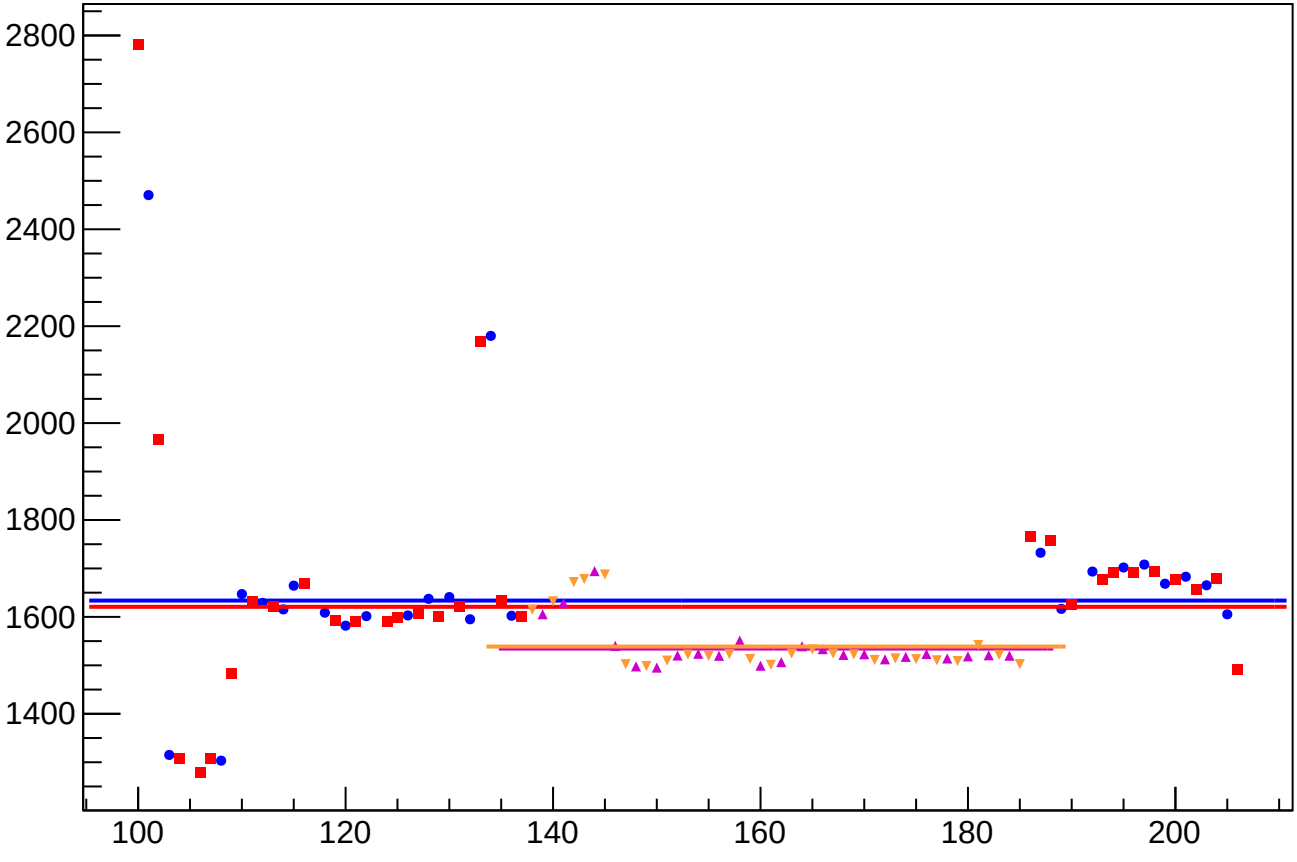
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2220.137+/-273.193 χ^2/NDF: 41.7/49

All: -103.580+/-191.661 χ^2/NDF: 230.8/102

- sign -2355.747+/-268.954 χ^2/NDF: 46.6/52

cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1633.684+/-0.309 χ^2/NDF: 336488.9/24

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

Right Out: 1620.807+/-0.287 χ^2/NDF: 303166.7/29

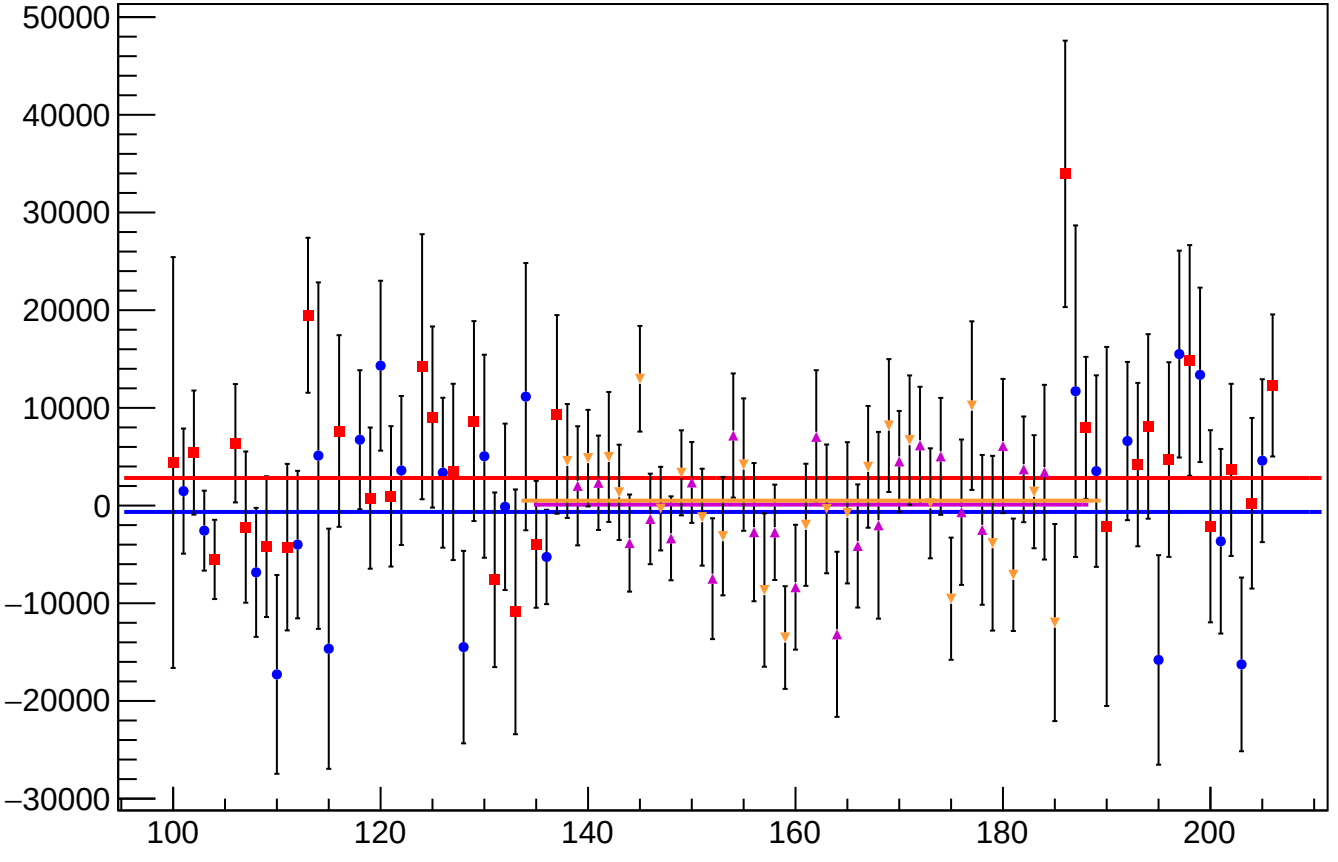
Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1575.801+/-0.193 χ^2/NDF: 440922.6/49

All: 1574.054+/-0.135 χ^2/NDF: 826015.2/102

- sign 1572.364+/-0.190 χ^2/NDF: 384931.7/52

asym_usr_atr2_avg_cor_correction_mean vs Slug



Right In: -651.929+/-1600.804 χ^2/NDF: 25.9/24

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2824.358+/-1497.178 χ^2/NDF: 26.4/29

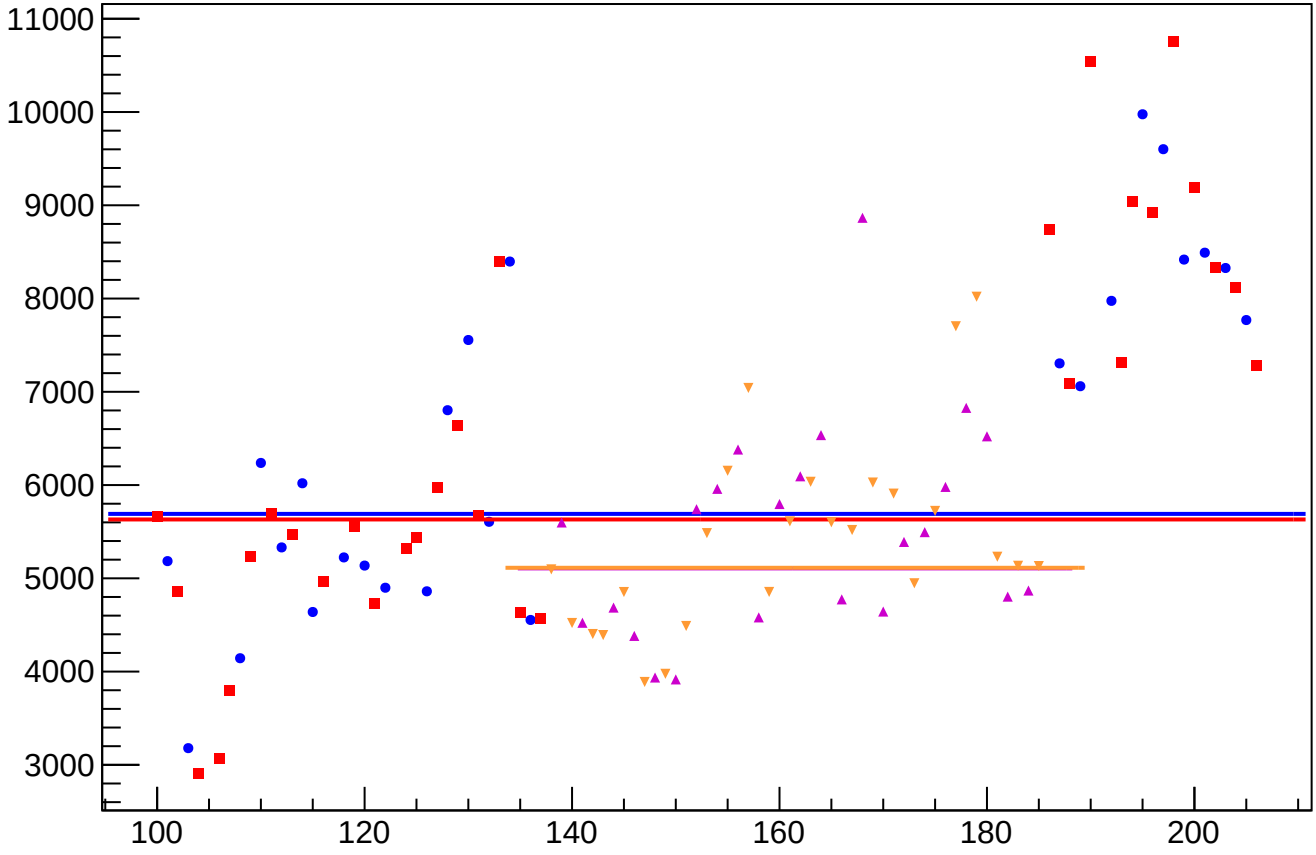
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 93.683+/-953.632 χ^2/NDF: 53.1/49

All: 643.653+/-671.116 χ^2/NDF: 97.0/102

- sign 1183.296+/-944.636 χ^2/NDF: 43.3/52

asym_usr_atr2_avg_cor_correction_rms vs Slug



Right In: 5690.879+/-1.132 χ^2/NDF: 2712699.8/24

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5631.154+/-1.059 χ^2/NDF: 3620430.1/29

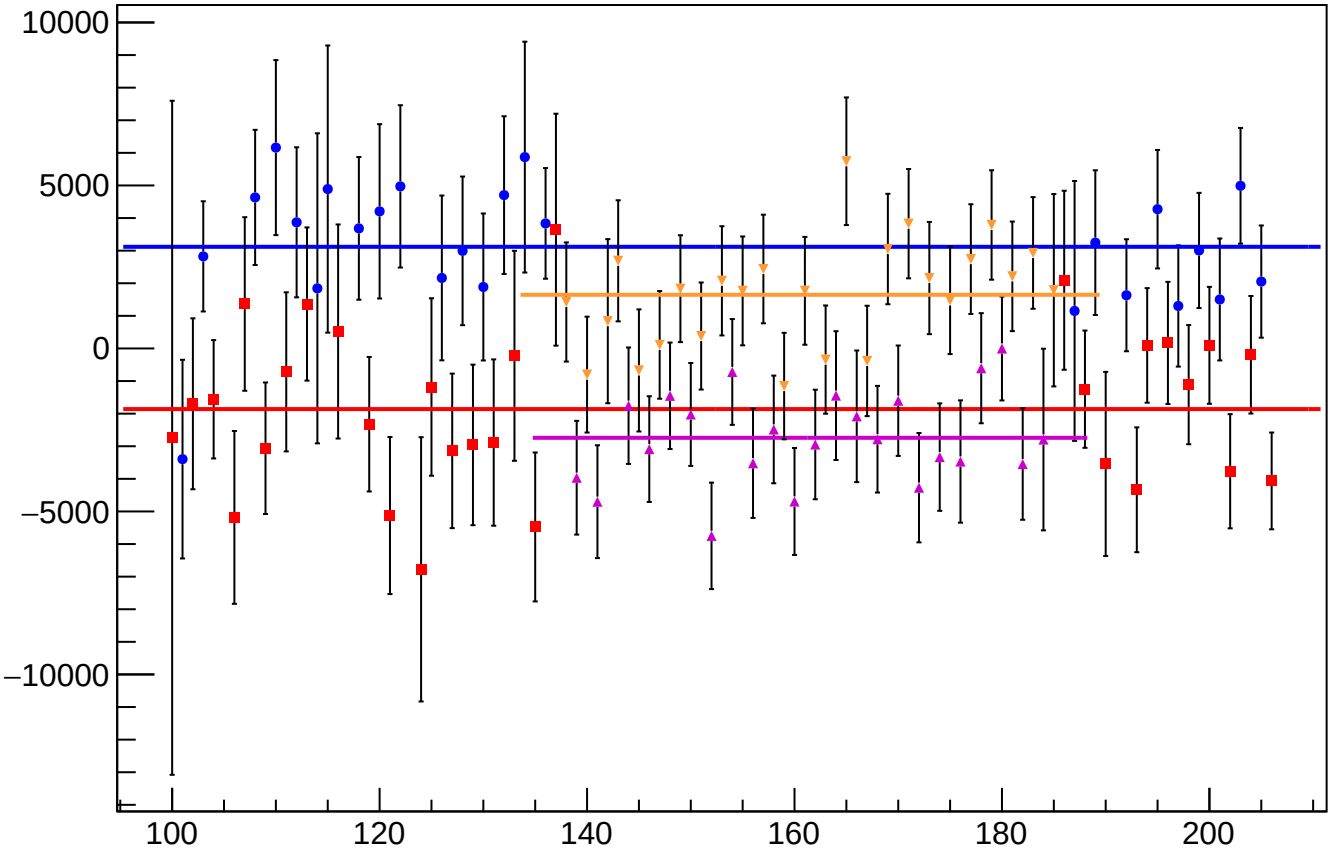
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5318.045+/-0.674 χ^2/NDF: 4039892.3/49

All: 5316.655+/-0.475 χ^2/NDF: 9059848.4/10

- sign 5315.290+/-0.668 χ^2/NDF: 5019947.8/52

eigen_cor_asym_usr_atr2_avg_mean vs Slug



Right In: 3118.078+/-437.518 χ^2/NDF: 13.8/24

Left Out: 1646.294+/-349.758 χ^2/NDF:21.0/24

Right Out: -1859.711+/-406.837 χ^2/NDF: 27.5/29

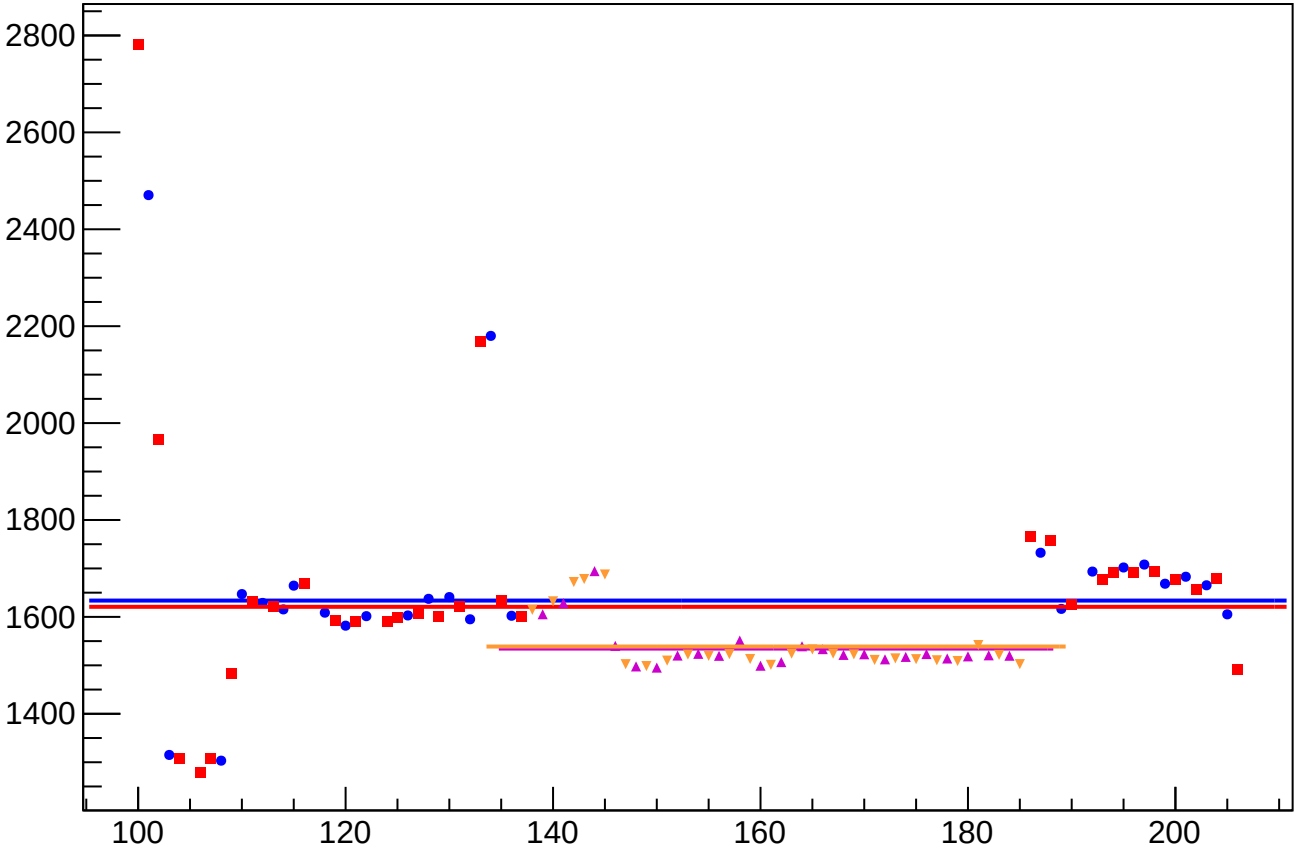
Left In: -2740.826+/-358.458 χ^2/NDF:16.4/22

+ sign 2220.137+/-273.193 χ^2/NDF: 41.7/49

All: -103.580+/-191.661 χ^2/NDF: 230.8/102

- sign -2355.747+/-268.954 χ^2/NDF: 46.6/52

eigen_cor_asym_usr_atr2_avg_rms vs Slug



Right In: 1633.684+/-0.309 χ^2/NDF: 336488.9/24

Left Out: 1538.810+/-0.247 χ^2/NDF:47056.2/24

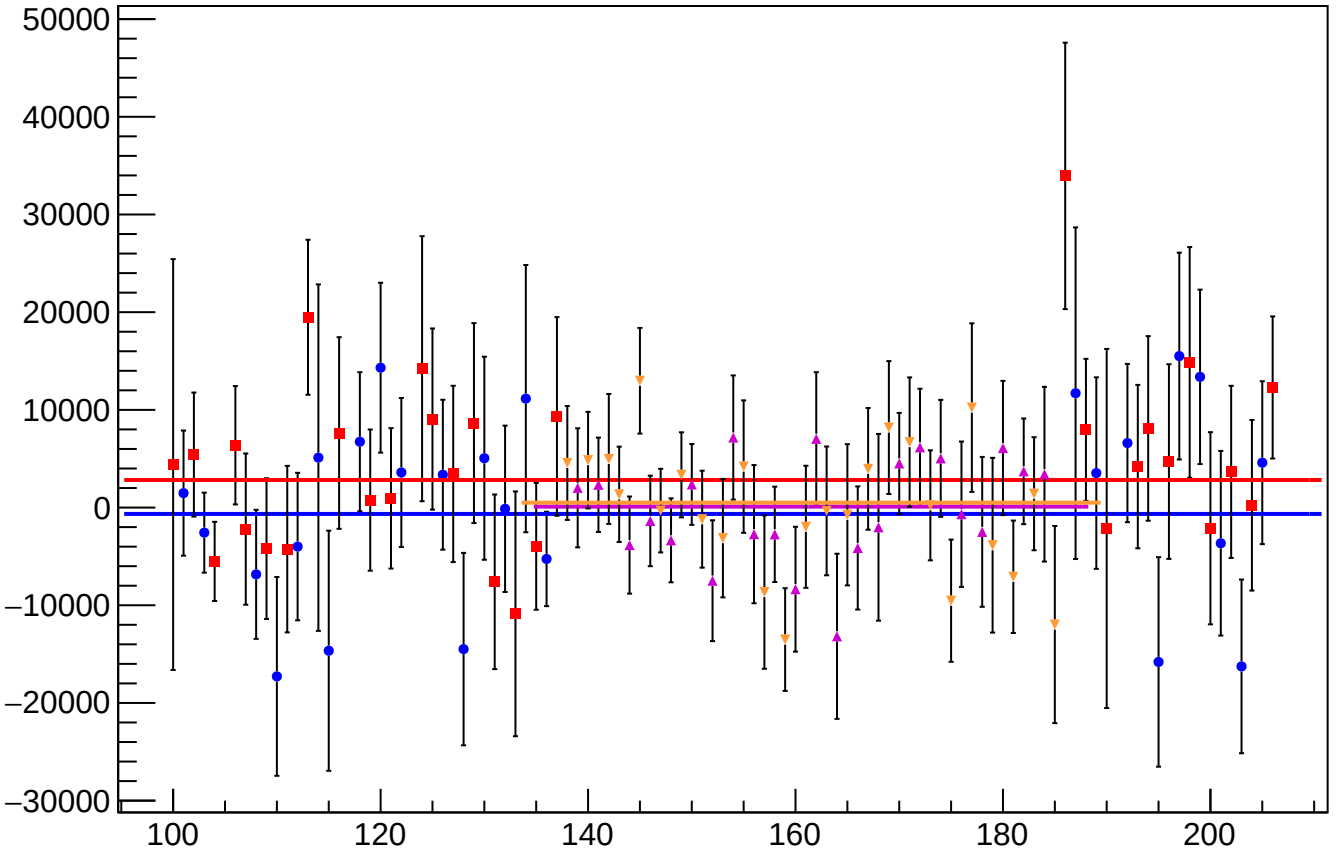
Right Out: 1620.807+/-0.287 χ^2/NDF: 303166.7/29

Left In: 1534.615+/-0.253 χ^2/NDF:31120.6/22

+ sign 1575.801+/-0.193 χ^2/NDF: 440922.6/49

All: 1574.054+/-0.135 χ^2/NDF: 826015.2/102

- sign 1572.364+/-0.190 χ^2/NDF: 384931.7/52



Right In: -651.929+/-1600.804 χ^2/NDF: 25.9/24

Left Out: 503.849+/-1187.302 χ^2/NDF:26.8/24

Right Out: 2824.358+/-1497.178 χ^2/NDF: 26.4/29

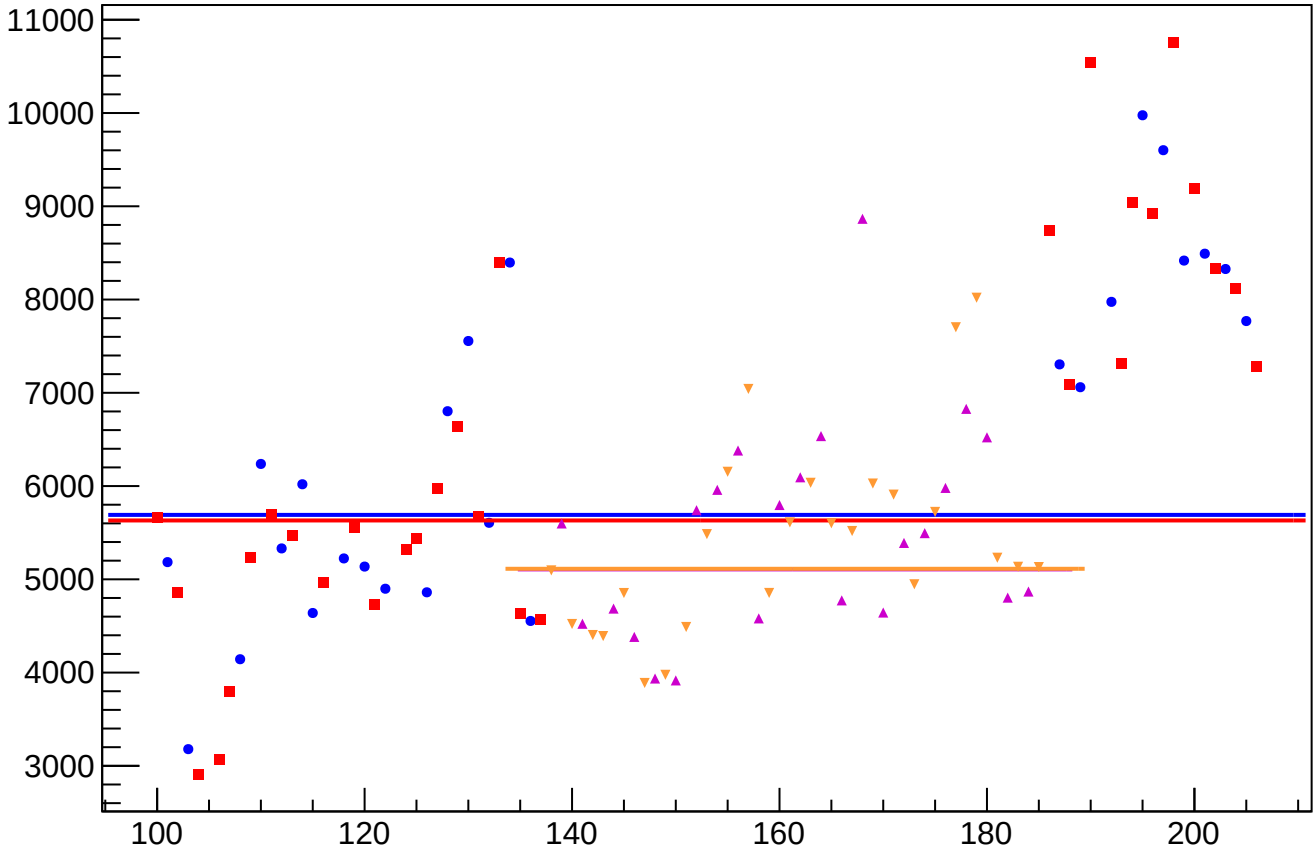
Left In: 97.930+/-1217.585 χ^2/NDF:14.9/22

+ sign 93.683+/-953.632 χ^2/NDF: 53.1/49

All: 643.653+/-671.116 χ^2/NDF: 97.0/102

- sign 1183.296+/-944.636 χ^2/NDF: 43.3/52

asym_usr_atr2_avg_eigen_cor_correction_rms vs Slug



Right In: 5690.879+/-1.132 χ^2/NDF: 2712699.8/24

Left Out: 5112.947+/-0.840 χ^2/NDF:1159023.2/24

Right Out: 5631.154+/-1.059 χ^2/NDF: 3620430.1/29

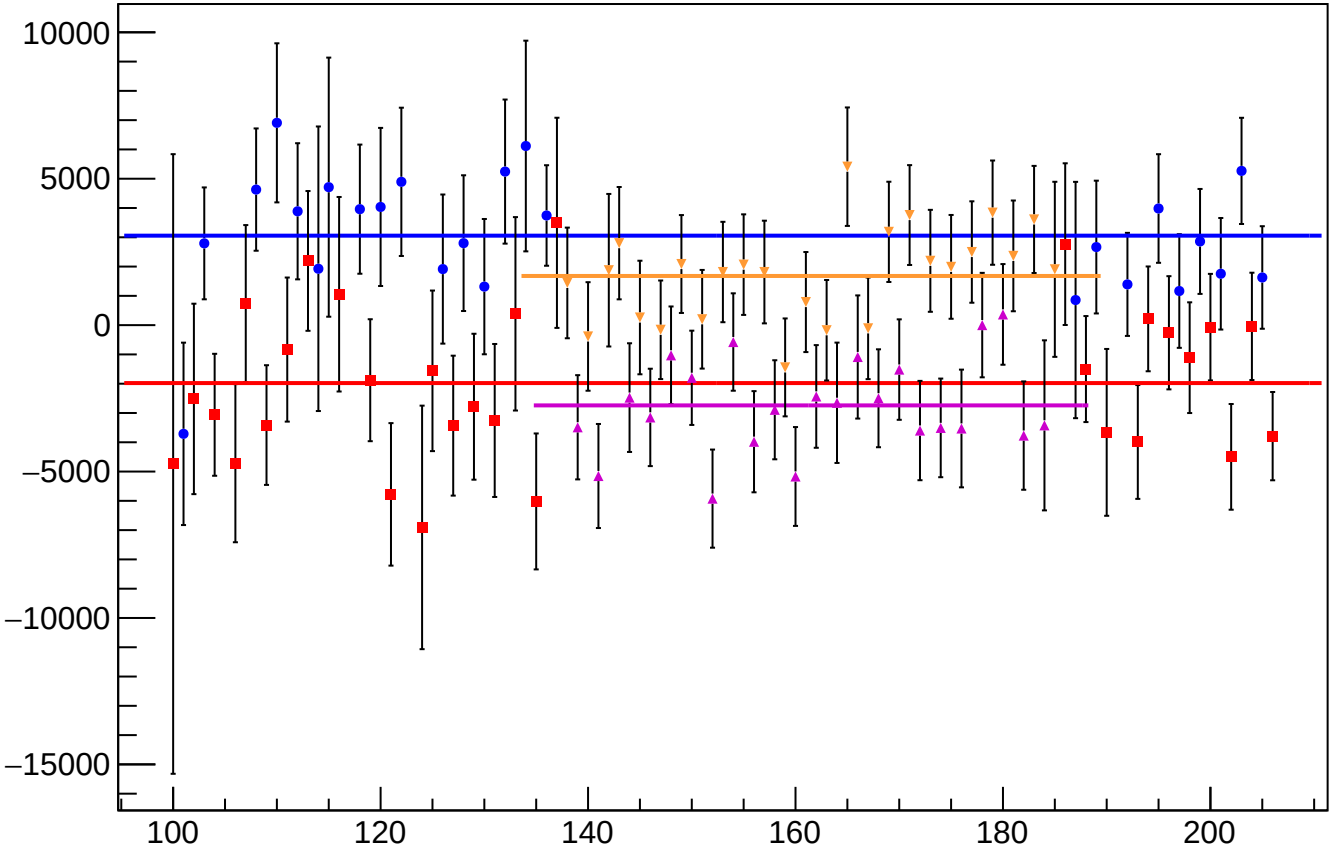
Left In: 5106.384+/-0.861 χ^2/NDF:1251622.9/22

+ sign 5318.045+/-0.674 χ^2/NDF: 4039892.3/49

All: 5316.655+/-0.475 χ^2/NDF: 9059848.4/10

- sign 5315.290+/-0.668 χ^2/NDF: 5019947.8/52

dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3055.589+/-448.037 χ^2/NDF: 16.0/24

Left Out: 1679.163+/-362.391 χ^2/NDF:19.0/24

Right Out: -1978.246+/-417.357 χ^2/NDF: 30.0/29

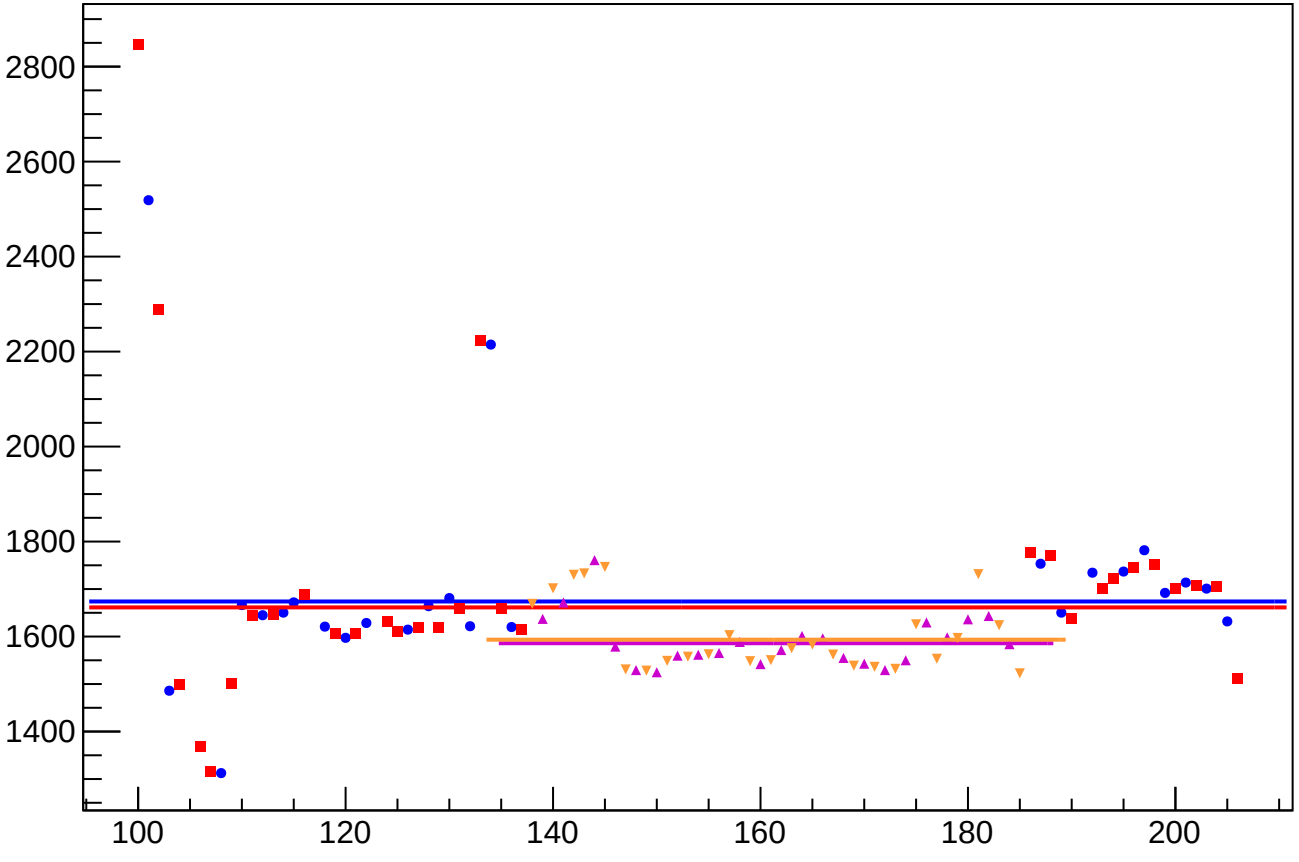
Left In: -2740.666+/-370.604 χ^2/NDF:19.2/22

+ sign 2223.522+/-281.761 χ^2/NDF: 40.6/49

All: -128.949+/-197.573 χ^2/NDF: 228.9/102

- sign -2404.534+/-277.118 χ^2/NDF: 51.1/52

dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1673.852+/-0.317 χ^2/NDF: 293957.2/24

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.4/24

Right Out: 1661.356+/-0.295 χ^2/NDF: 289477.5/29

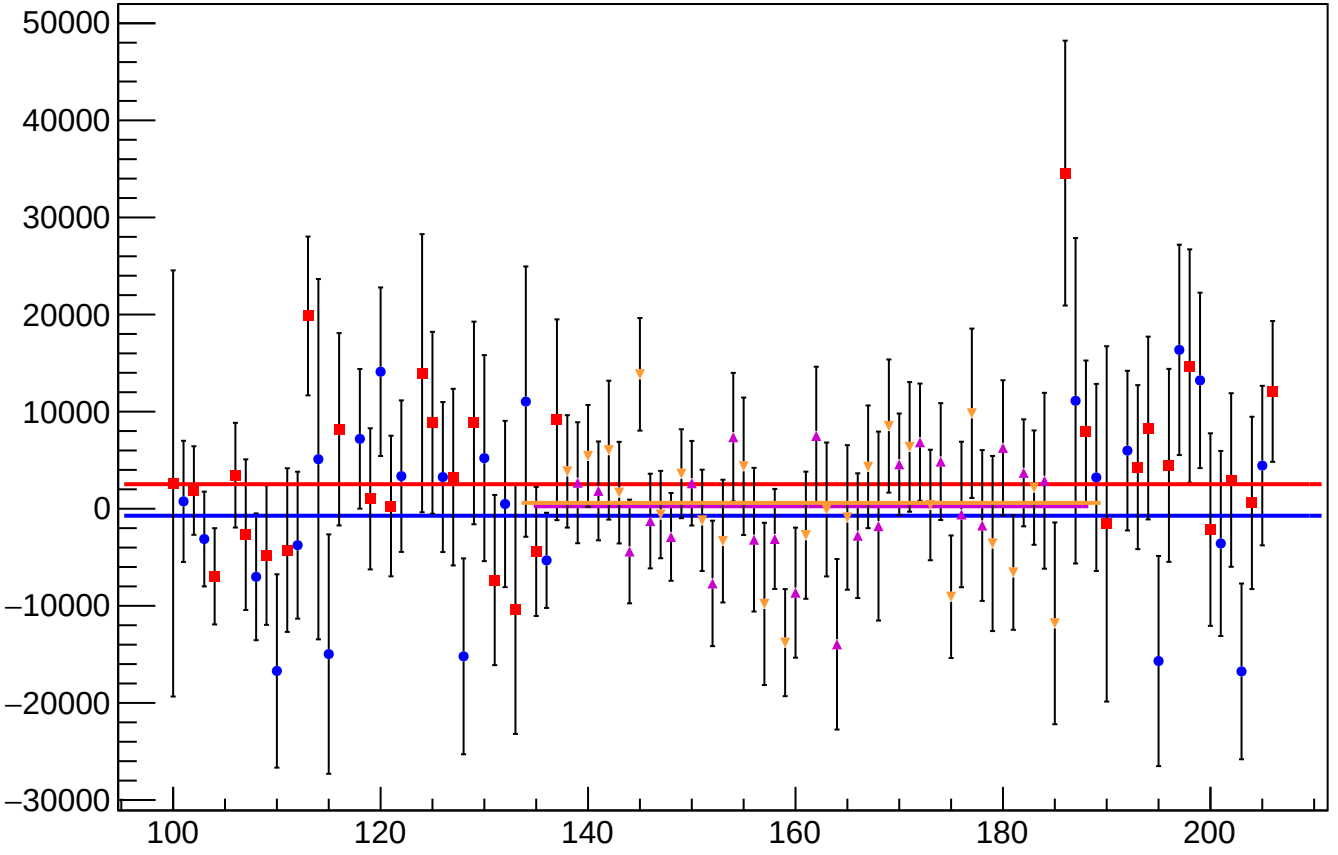
Left In: 1585.918+/-0.262 χ^2/NDF:41915.3/22

+ sign 1625.210+/-0.199 χ^2/NDF: 404829.4/49

All: 1622.151+/-0.140 χ^2/NDF: 773237.5/102

- sign 1619.192+/-0.196 χ^2/NDF: 367944.2/52

asym_usr_atr2_avg_dit_correction_mean vs Slug



Right In: -720.067+/-1645.086 χ^2/NDF: 25.8/24

Left Out: 601.820+/-1233.559 χ^2/NDF:26.0/24

Right Out: 2527.127+/-1489.310 χ^2/NDF: 25.6/29

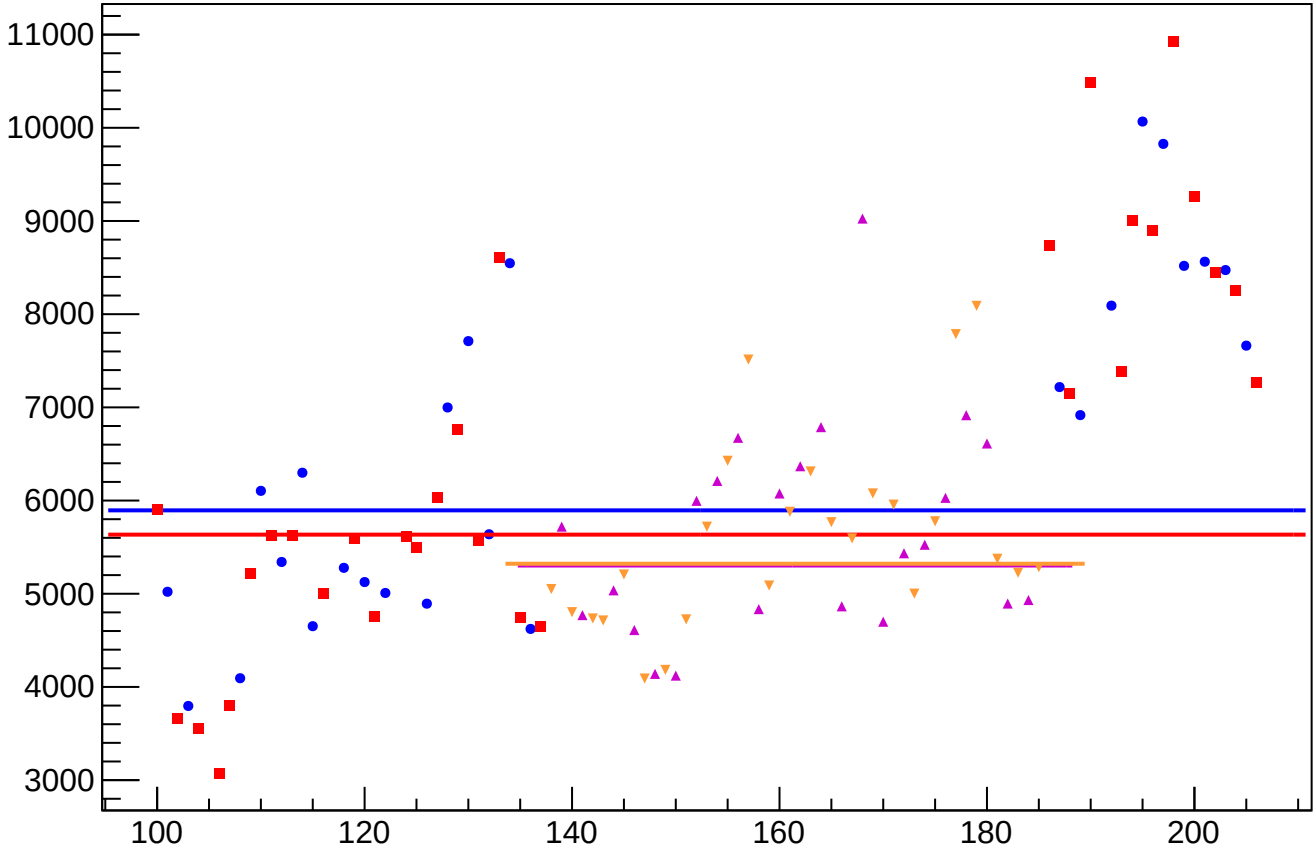
Left In: 255.905+/-1262.607 χ^2/NDF:14.6/22

\+ sign 126.067+/-986.921 χ^2/NDF: 52.2/49

All: 679.065+/-689.276 χ^2/NDF: 94.5/102

\- sign 1205.674+/-963.084 χ^2/NDF: 41.6/52

asym_usr_atr2_avg_dit_correction_rms vs Slug



Right In: 5894.848+/-1.163 χ^2/NDF: 2294314.0/24

Left Out: 5321.956+/-0.872 χ^2/NDF:1037009.2/24

Right Out: 5634.317+/-1.053 χ^2/NDF: 3539572.8/29

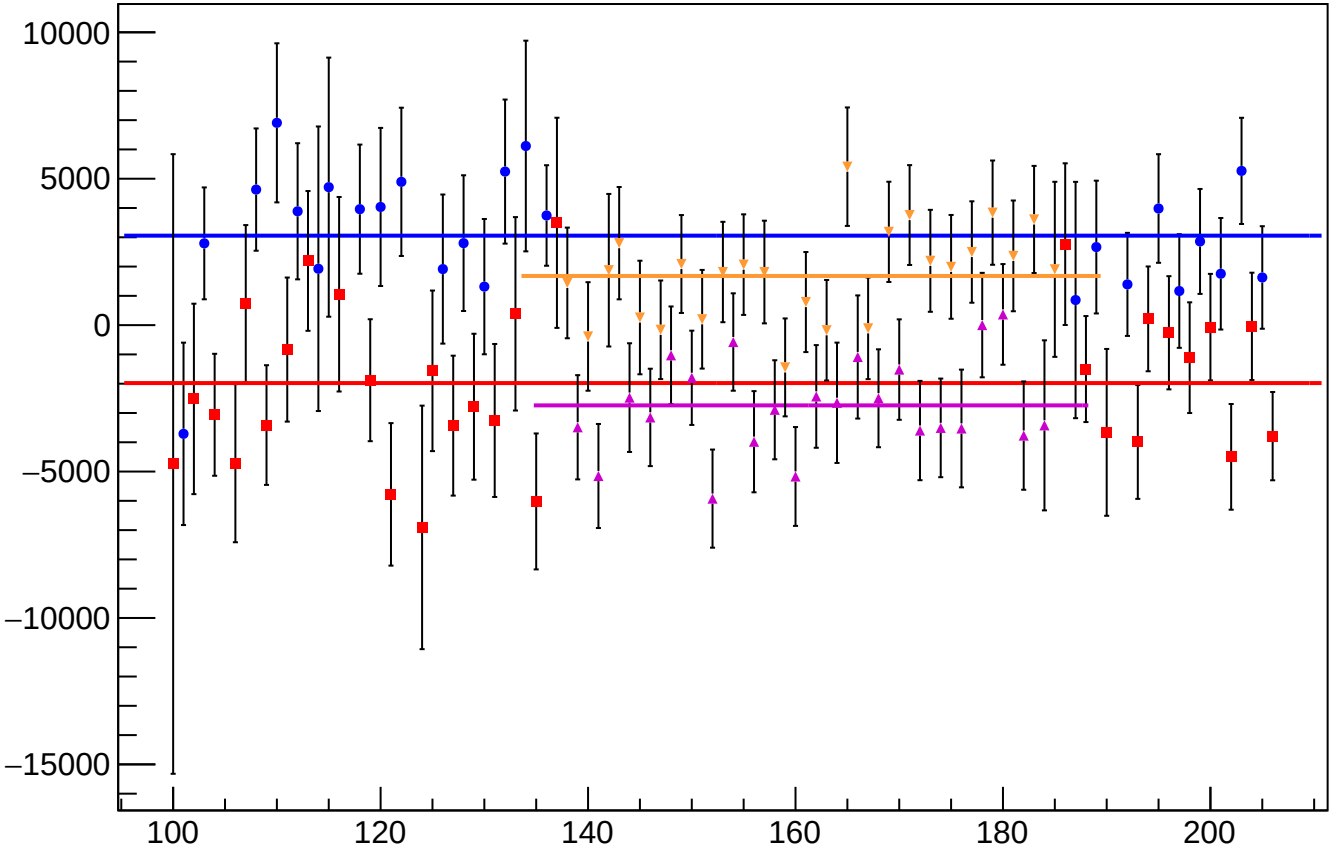
Left In: 5302.849+/-0.893 χ^2/NDF:1152376.1/22

+ sign 5528.142+/-0.698 χ^2/NDF: 3486577.2/49

All: 5483.742+/-0.487 χ^2/NDF: 8244070.2/10

- sign 5441.461+/-0.681 χ^2/NDF: 4749590.3/52

eigen_dit_asym_usr_atr2_avg_mean vs Slug



Right In: 3055.588+/-448.037 χ^2/NDF: 16.0/24

Left Out: 1679.156+/-362.392 χ^2/NDF:19.0/24

Right Out: -1978.244+/-417.357 χ^2/NDF: 30.0/29

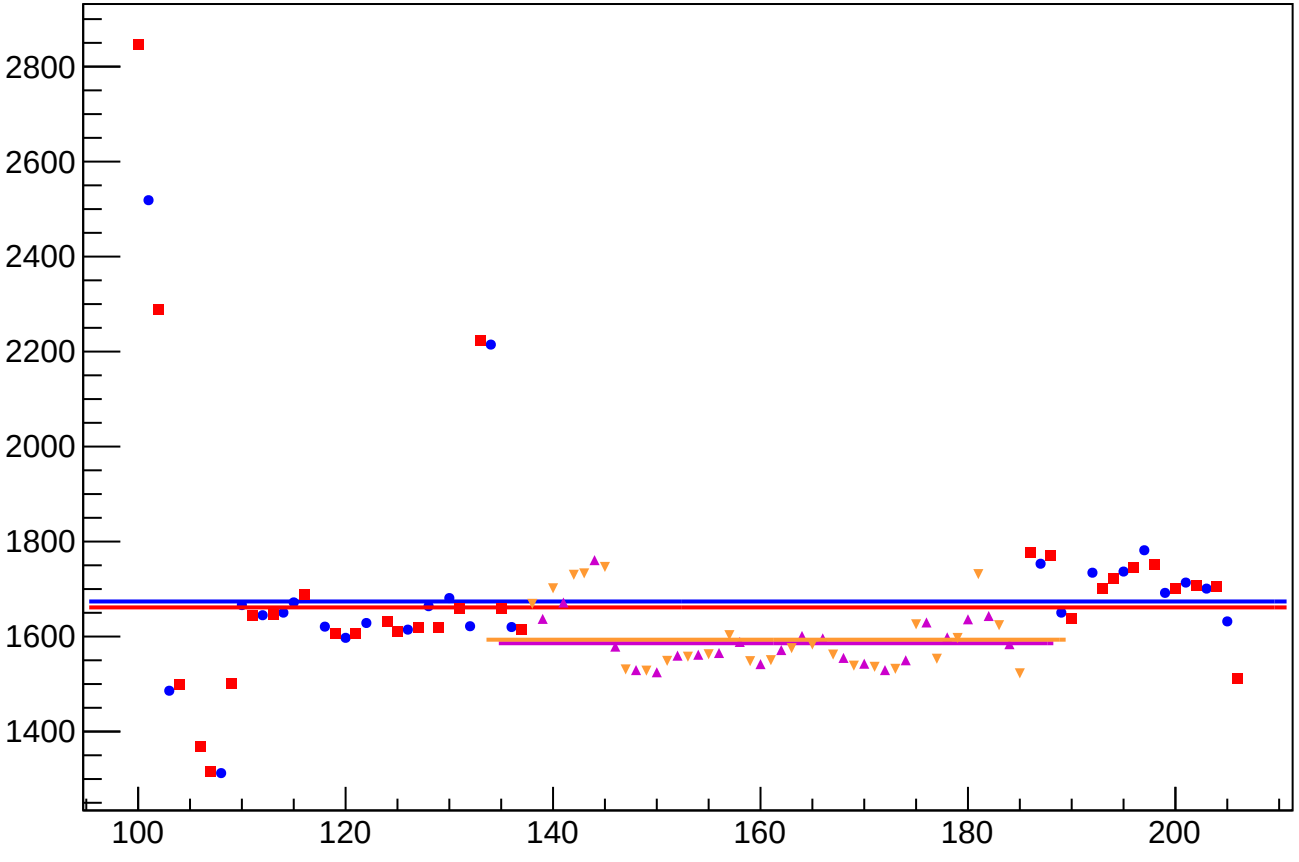
Left In: -2740.666+/-370.605 χ^2/NDF:19.2/22

+ sign 2223.518+/-281.761 χ^2/NDF: 40.6/49

All: -128.950+/-197.573 χ^2/NDF: 228.9/102

- sign -2404.533+/-277.118 χ^2/NDF: 51.1/52

eigen_dit_asym_usr_atr2_avg_rms vs Slug



Right In: 1673.852+/-0.317 χ^2/NDF: 293957.6/24

Left Out: 1593.388+/-0.256 χ^2/NDF:71876.3/24

Right Out: 1661.356+/-0.295 χ^2/NDF: 289477.6/29

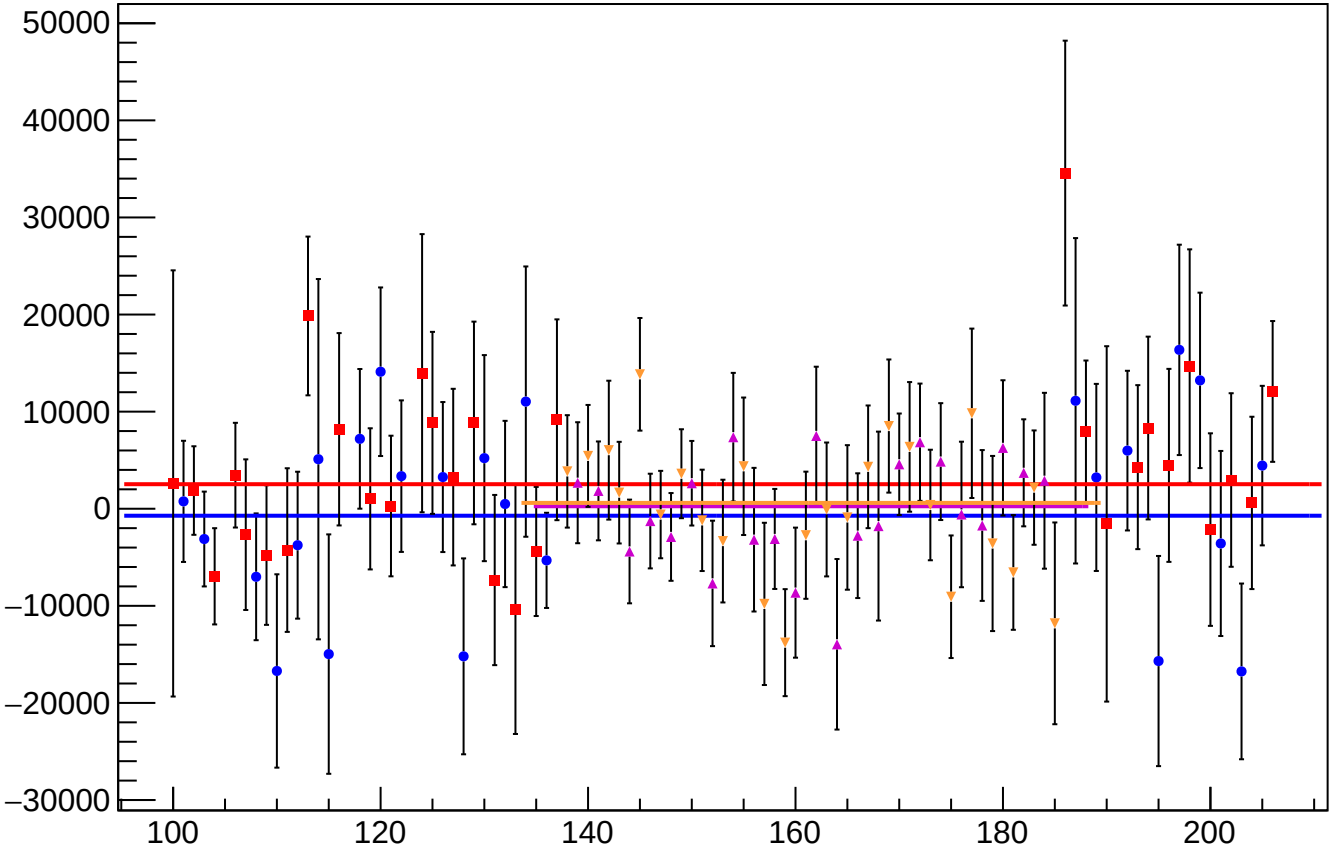
Left In: 1585.919+/-0.262 χ^2/NDF:41915.1/22

+ sign 1625.211+/-0.199 χ^2/NDF: 404828.4/49

All: 1622.151+/-0.140 χ^2/NDF: 773235.3/102

- sign 1619.193+/-0.196 χ^2/NDF: 367943.1/52

asym_usr_atr2_avg_eigen_dit_correction_mean vs Slug



Right In: -720.057+/-1645.085 χ^2/NDF: 25.8/24

Left Out: 601.817+/-1233.561 χ^2/NDF:26.0/24

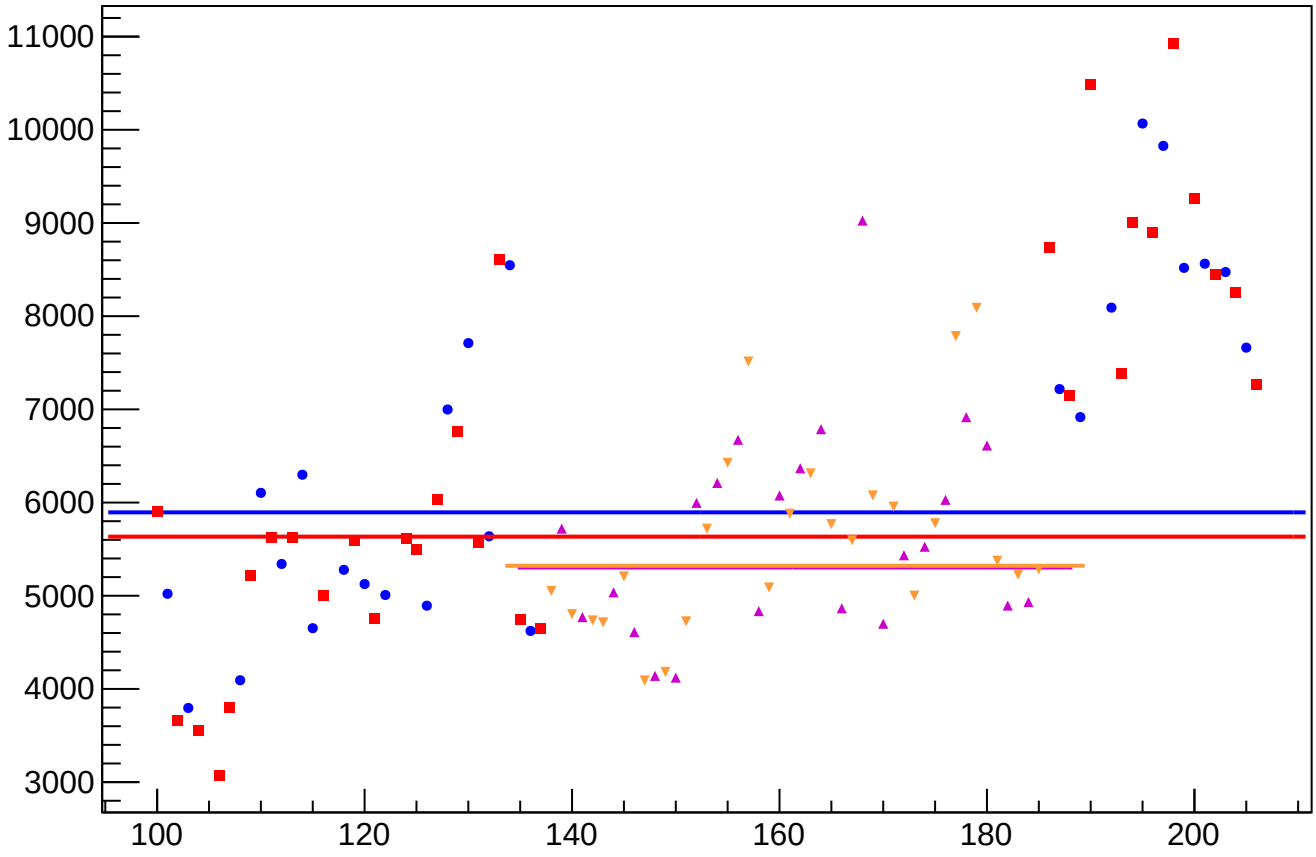
Right Out: 2527.124+/-1489.309 χ^2/NDF: 25.6/29

Left In: 255.907+/-1262.609 χ^2/NDF:14.6/22

\+ sign 126.067+/-986.922 χ^2/NDF: 52.2/49

All: 679.067+/-689.277 χ^2/NDF: 94.5/102

\- sign 1205.676+/-963.085 χ^2/NDF: 41.6/52



Right In: 5894.842+/-1.163 χ^2/NDF: 2294324.0/24

Left Out: 5321.965+/-0.872 χ^2/NDF:1037011.4/24

Right Out: 5634.311+/-1.053 χ^2/NDF: 3539585.0/29

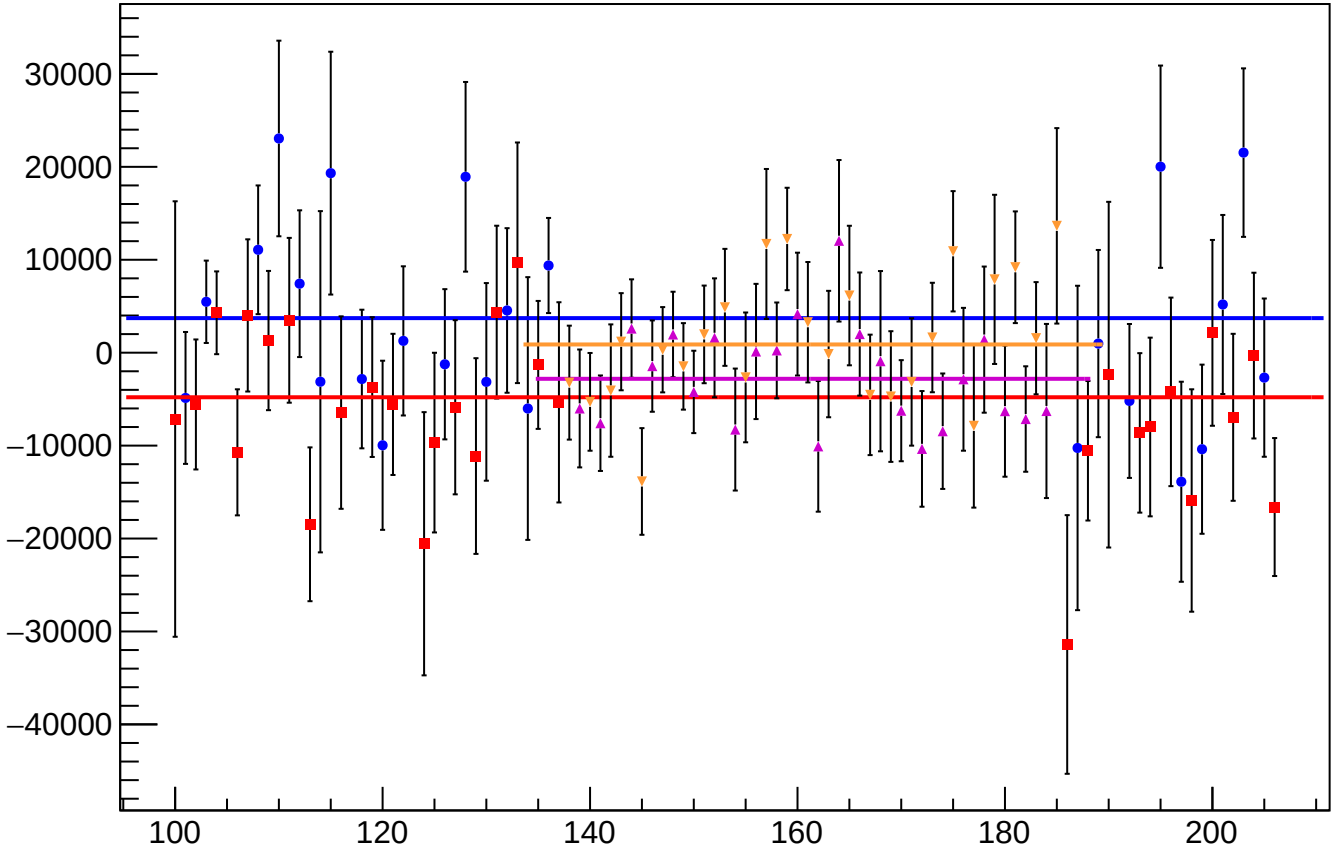
Left In: 5302.858+/-0.893 χ^2/NDF:1152380.1/22

+ sign 5528.147+/-0.698 χ^2/NDF: 3486581.5/49

All: 5483.746+/-0.487 χ^2/NDF: 8244085.7/10

- sign 5441.464+/-0.681 χ^2/NDF: 4749601.3/52

asym_usr_atr2_avg_mean vs Slug



Right In: 3719.664+/-1680.038 χ^2/NDF: 29.4/24

Left Out: 885.482+/-1246.500 χ^2/NDF:25.7/24

Right Out: -4796.588+/-1577.033 χ^2/NDF: 23.5/29

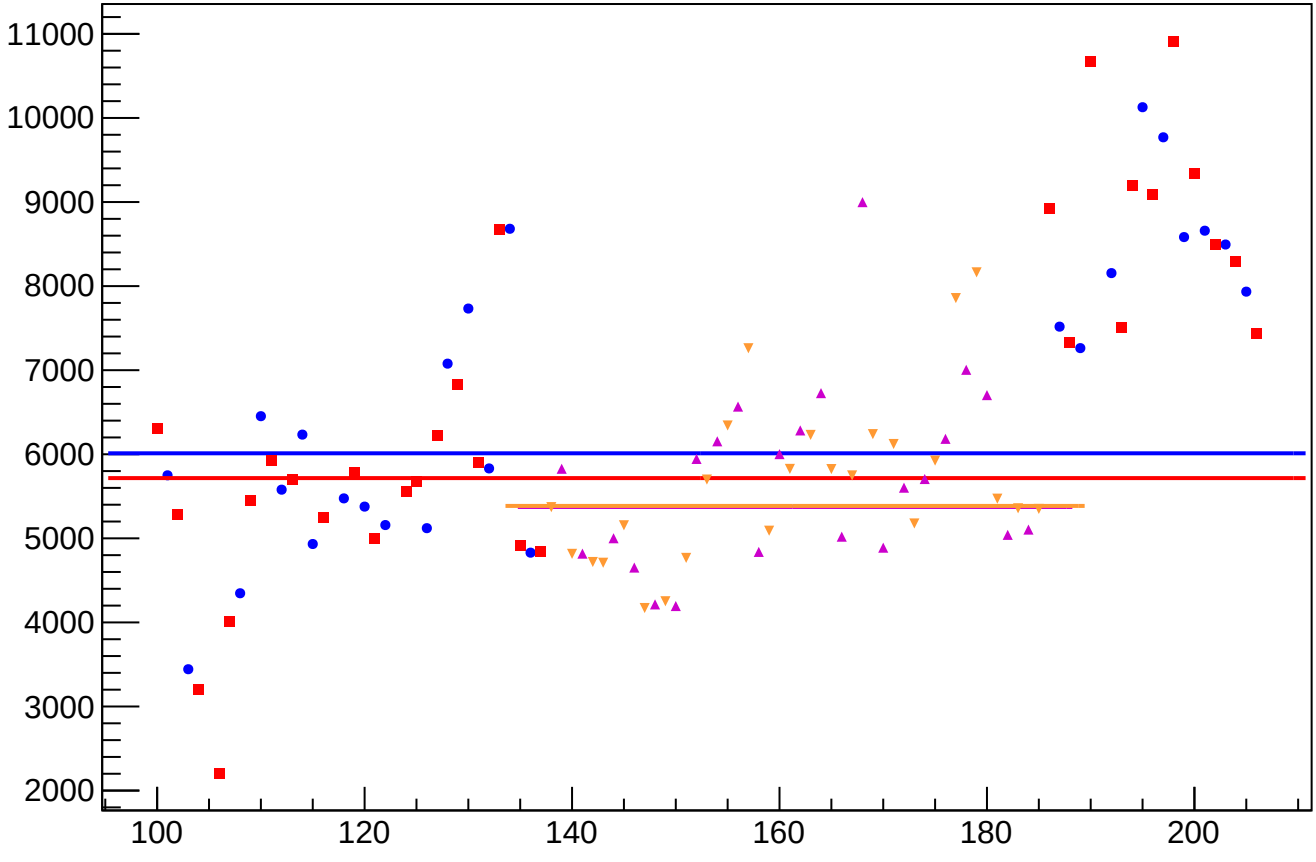
Left In: -2810.702+/-1277.225 χ^2/NDF:14.7/22

+ sign 1891.733+/-1001.056 χ^2/NDF: 56.9/49

All: -876.248+/-704.823 χ^2/NDF: 111.2/102

- sign -3597.326+/-992.538 χ^2/NDF: 39.2/52

asym_usr_atr2_avg_rms vs Slug



Right In: 6011.487+/-1.188 χ^2/NDF: 2405498.0/24

Left Out: 5385.653+/-0.881 χ^2/NDF:987089.3/24

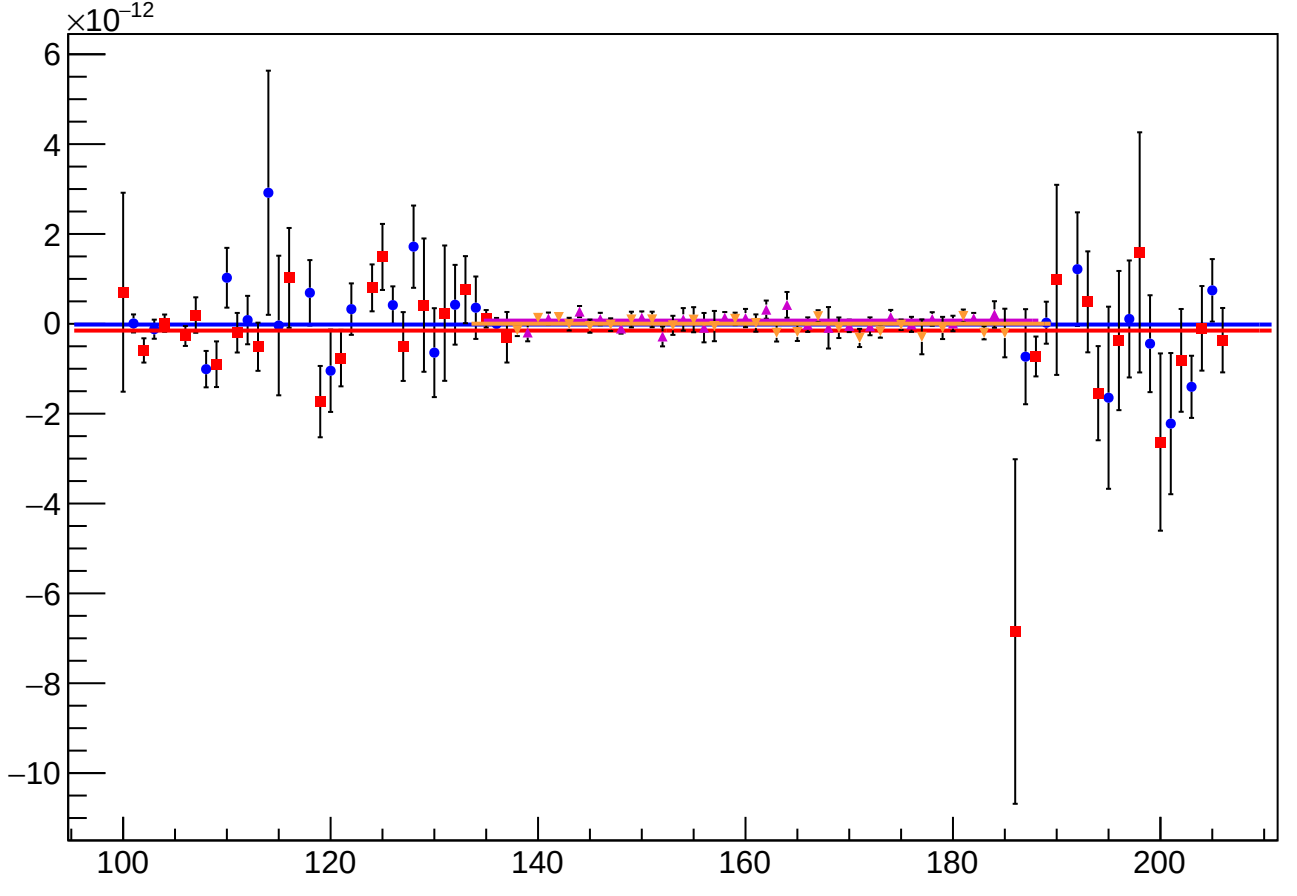
Right Out: 5716.547+/-1.085 χ^2/NDF: 4052826.7/29

Left In: 5372.867+/-0.903 χ^2/NDF:1071821.2/22

+ sign 5607.850+/-0.708 χ^2/NDF: 3571582.6/49

All: 5559.788+/-0.496 χ^2/NDF: 8764564.7/10

- sign 5513.584+/-0.694 χ^2/NDF: 5183940.0/52



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.3/24

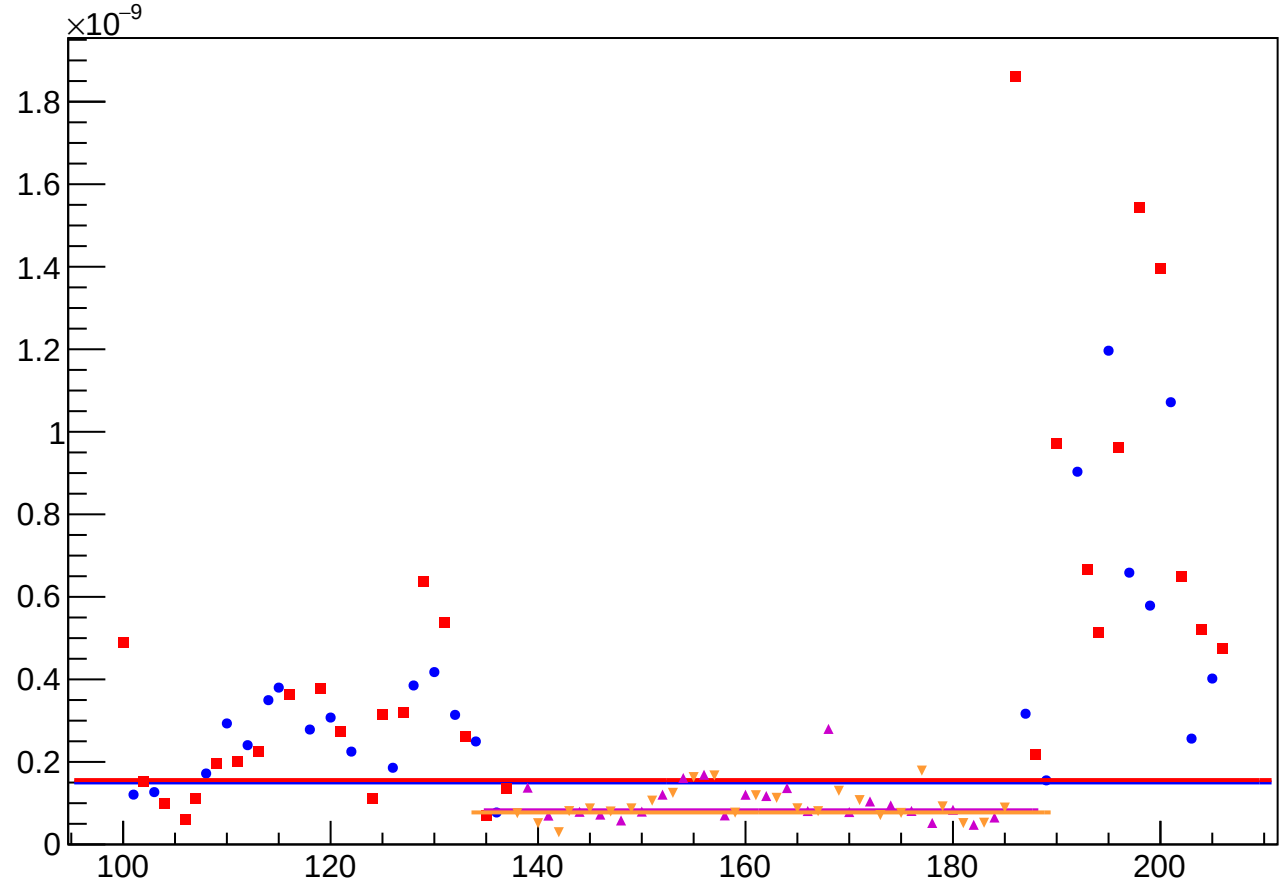
Right Out: -0.000+/-0.000 χ^2/NDF: 34.9/29

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.9/49

All: 0.000+/-0.000 χ^2/NDF: 103.3/102

- sign 0.000+/-0.000 χ^2/NDF: 56.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 4345409.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1642881.7/24

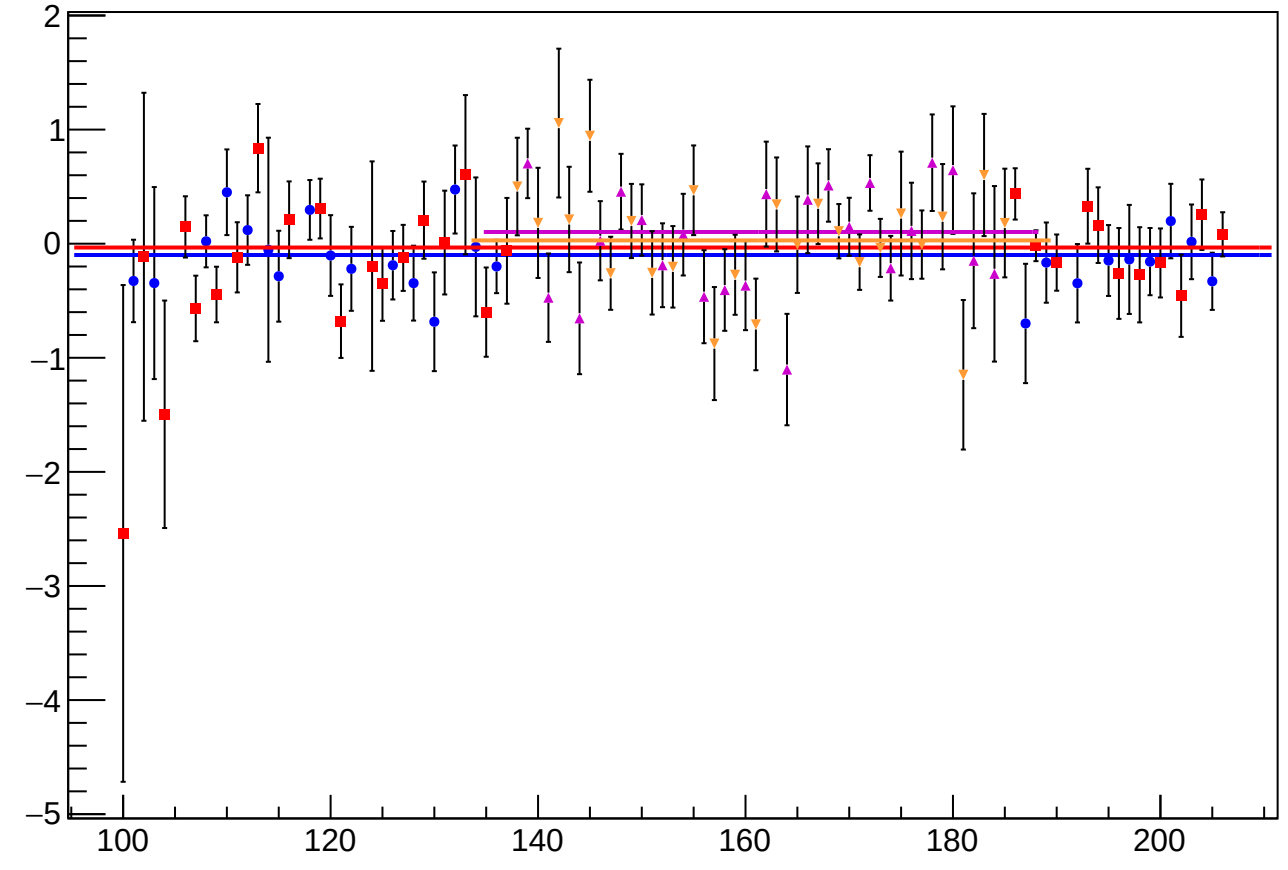
Right Out: 0.000+/-0.000 χ^2/NDF: 6257166.5/29

Left In: 0.000+/-0.000 χ^2/NDF:1552521.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7330520.6/49

All: 0.000+/-0.000 χ^2/NDF: 16437891.7/102

- sign 0.000+/-0.000 χ^2/NDF: 9071022.3/52



Right In: -0.099+/-0.068 χ^2/NDF: 14.7/24

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

Right Out: -0.034+/-0.056 χ^2/NDF: 35.9/29

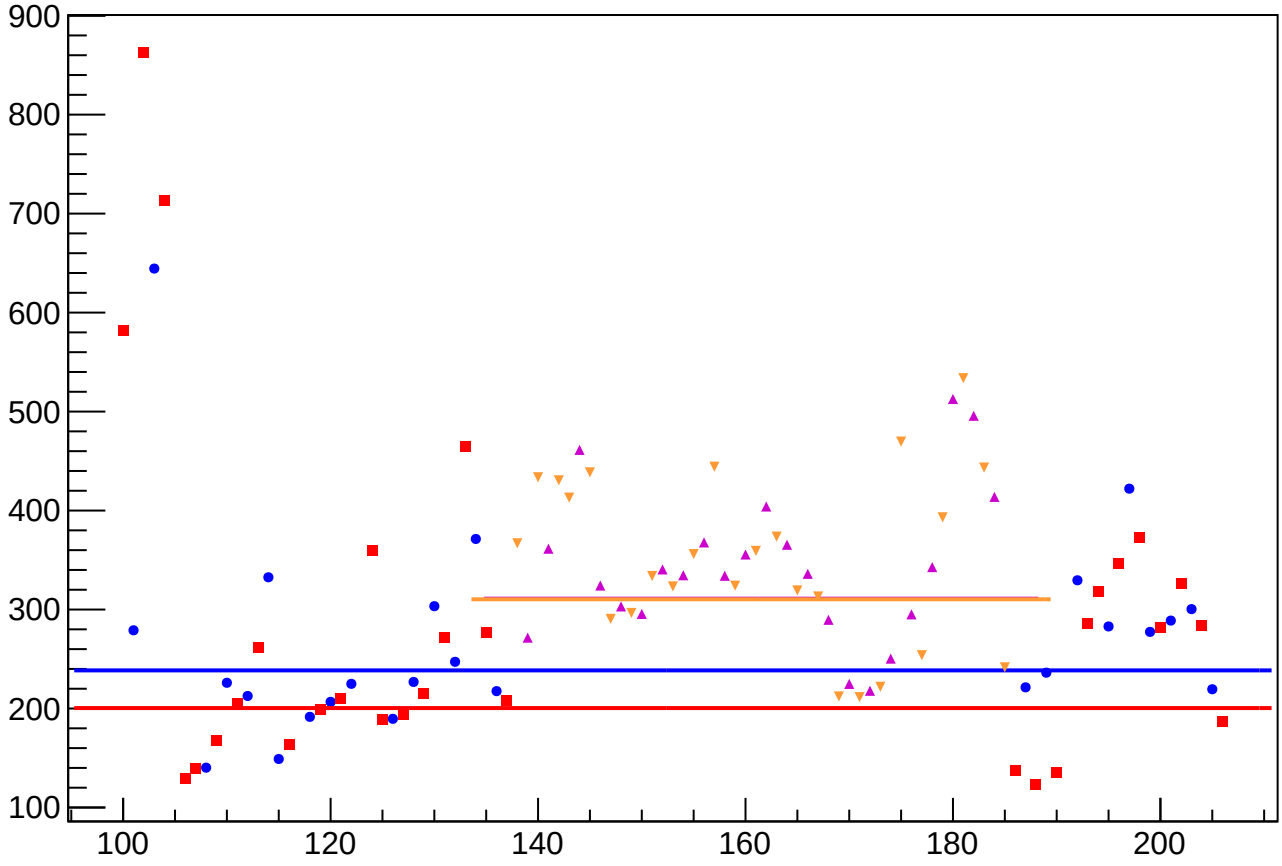
Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.041+/-0.050 χ^2/NDF: 41.6/49

All: -0.011+/-0.034 χ^2/NDF: 112.5/102

- sign 0.014+/-0.045 χ^2/NDF: 70.2/52

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs Slug



Right In: 238.523+/-0.048 χ^2/NDF: 1937795.5/24

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

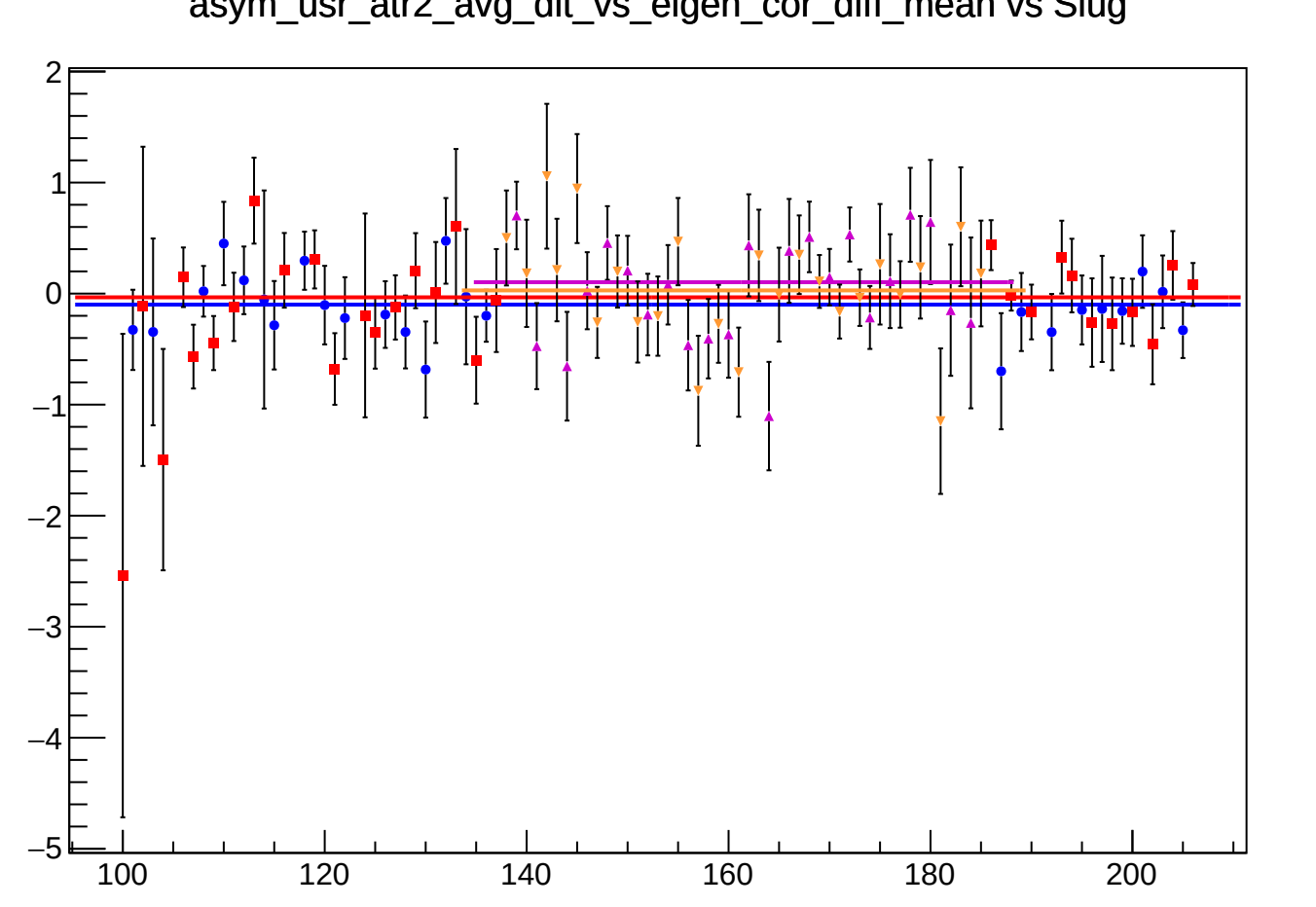
Right Out: 200.465+/-0.039 χ^2/NDF: 4337534.3/29

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 270.947+/-0.035 χ^2/NDF: 5316523.3/49

All: 253.231+/-0.024 χ^2/NDF: 14440920.0/10

- sign 238.967+/-0.032 χ^2/NDF: 8674112.4/52



Right In: -0.099+/-0.068 χ^2/NDF: 14.7/24

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

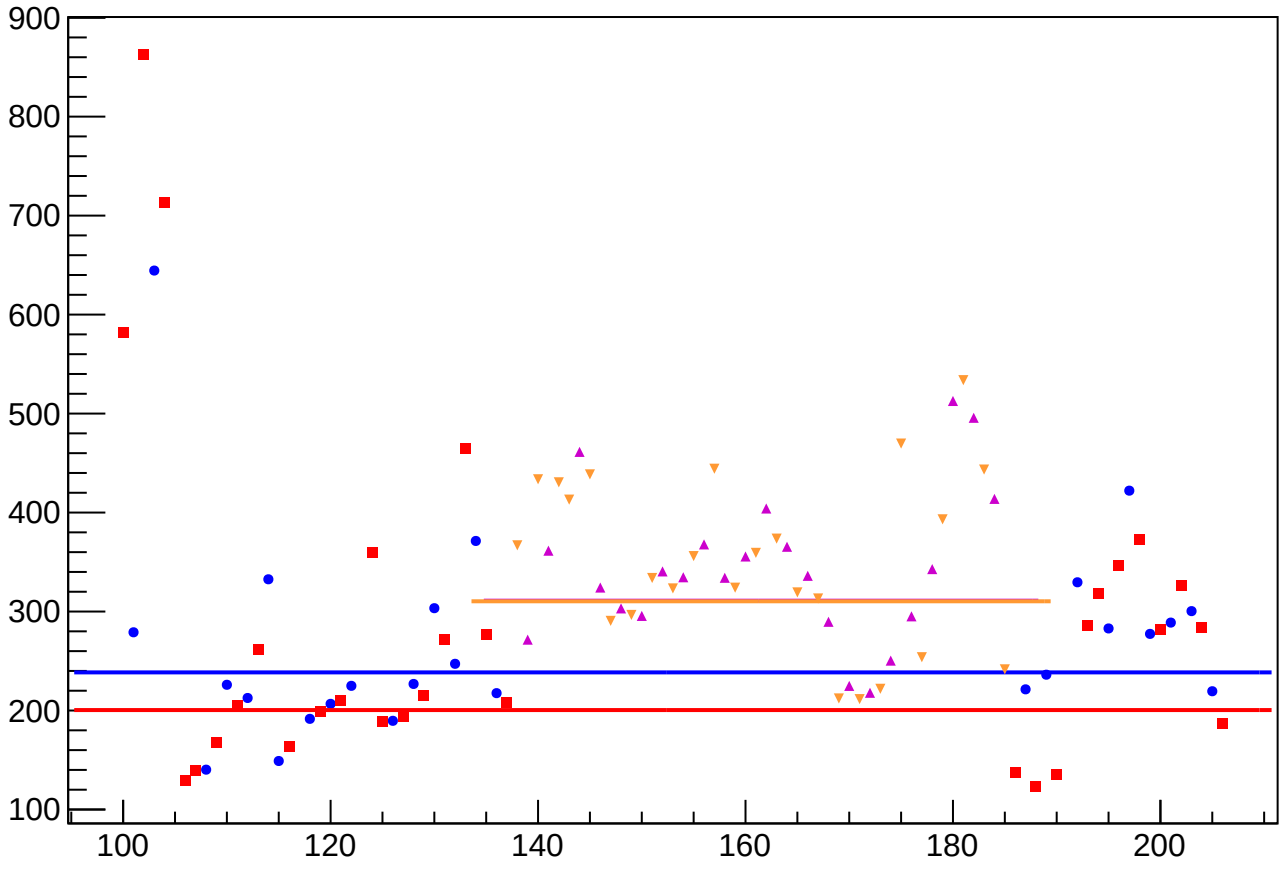
Right Out: -0.034+/-0.056 χ^2/NDF: 35.9/29

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.041+/-0.050 χ^2/NDF: 41.6/49

All: -0.011+/-0.034 χ^2/NDF: 112.5/102

- sign 0.014+/-0.045 χ^2/NDF: 70.2/52



Right In: 238.523+/-0.048 χ^2/NDF: 1937795.5/24

Left Out: 310.359+/-0.053 χ^2/NDF:2363086.4/24

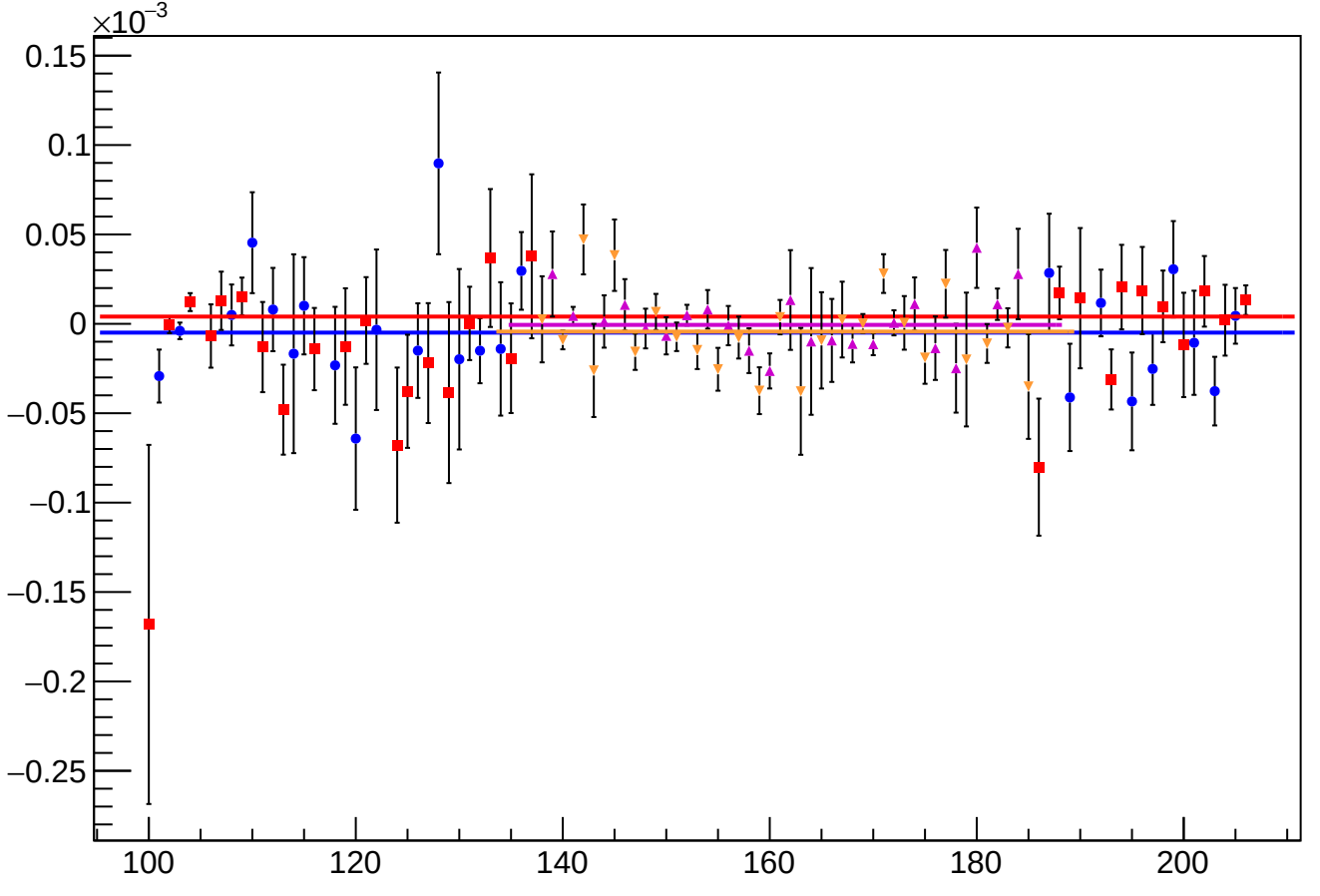
Right Out: 200.465+/-0.039 χ^2/NDF: 4337534.3/29

Left In: 310.960+/-0.054 χ^2/NDF:1600370.0/22

+ sign 270.947+/-0.035 χ^2/NDF: 5316523.3/49

All: 253.231+/-0.024 χ^2/NDF: 14440920.0/10

- sign 238.967+/-0.032 χ^2/NDF: 8674112.4/52



Right In: -0.000+/-0.000 χ^2/NDF: 27.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:42.3/24

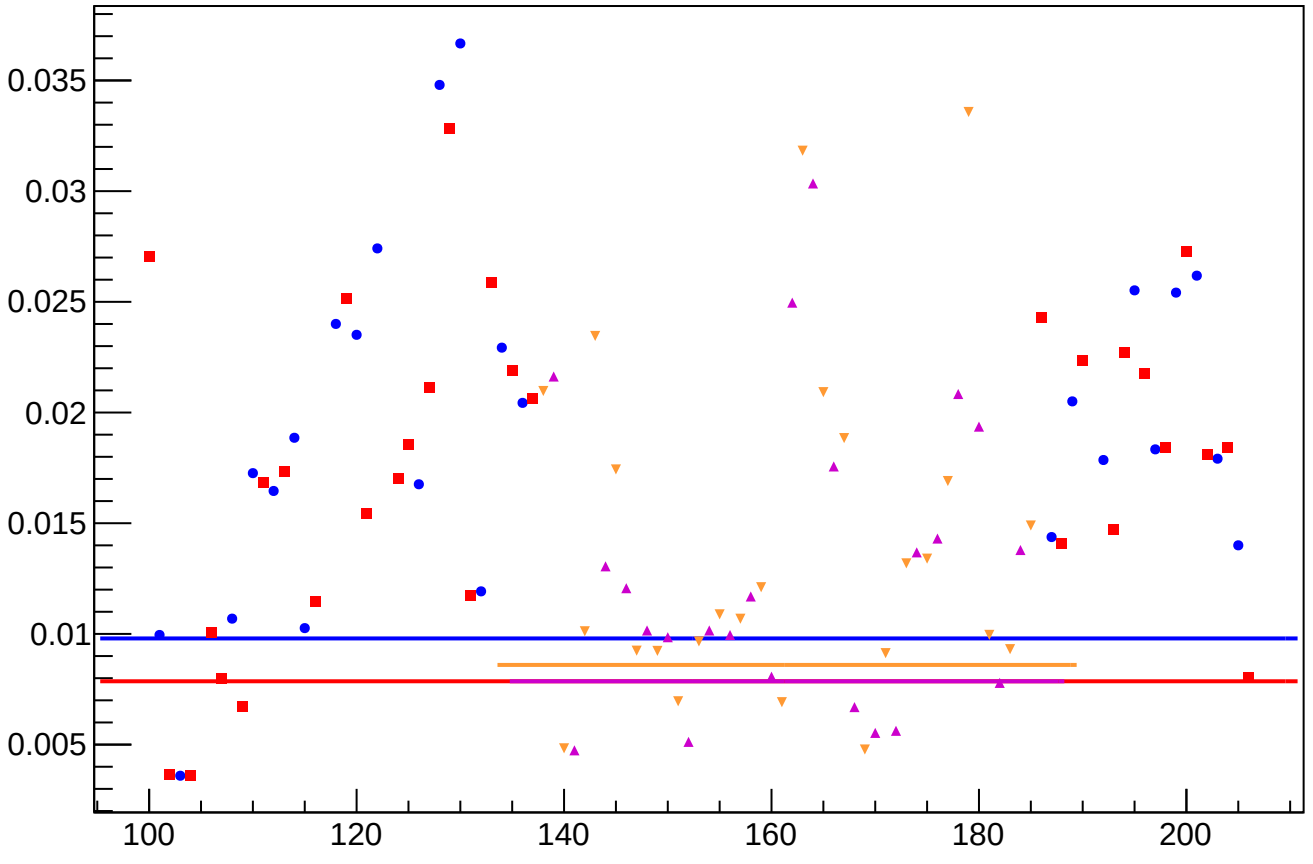
Right Out: 0.000+/-0.000 χ^2/NDF: 34.8/29

Left In: -0.000+/-0.000 χ^2/NDF:26.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 69.6/49

All: -0.000+/-0.000 χ^2/NDF: 138.5/102

- sign 0.000+/-0.000 χ^2/NDF: 63.3/52



Right In: 0.010+/-0.000 χ^2/NDF: 10323692.4/24

Left Out: 0.009+/-0.000 χ^2/NDF:7653564.7/24

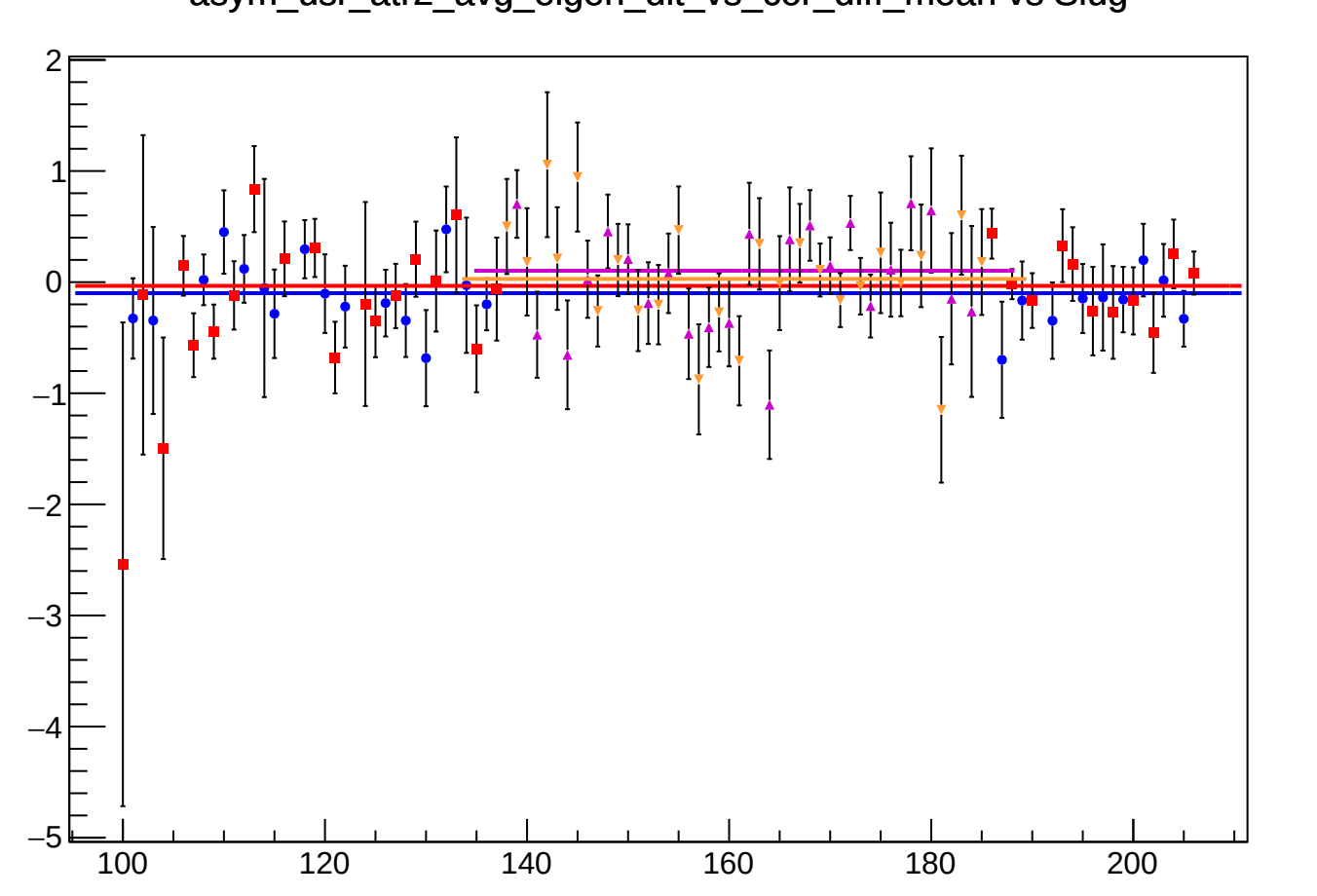
Right Out: 0.008+/-0.000 χ^2/NDF: 12120157.5/29

Left In: 0.008+/-0.000 χ^2/NDF:6779815.5/22

+ sign 0.009+/-0.000 χ^2/NDF: 18151267.8/49

All: 0.008+/-0.000 χ^2/NDF: 37447212.8/102

- sign 0.008+/-0.000 χ^2/NDF: 18899973.1/52



Right In: -0.099+/-0.068 χ^2/NDF: 14.7/24

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

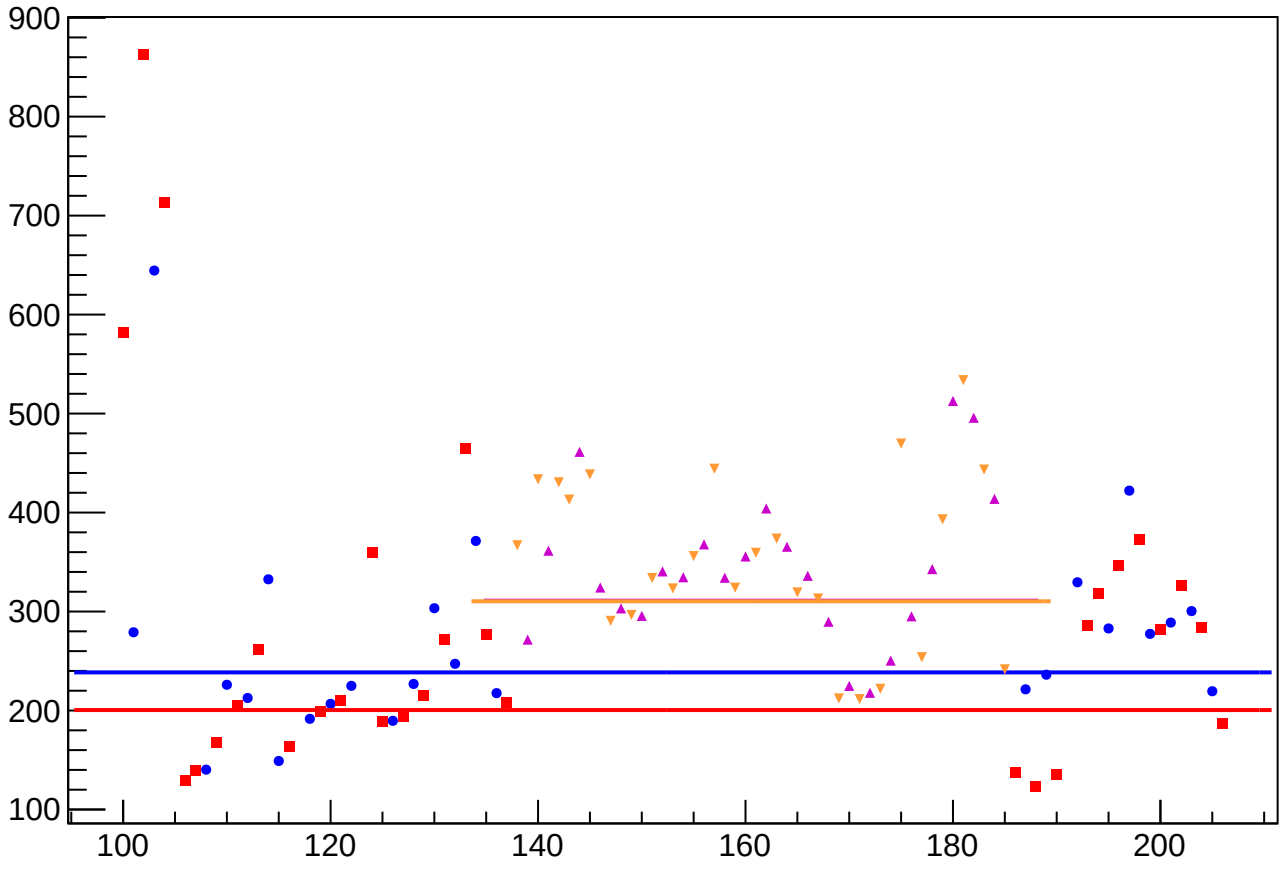
Right Out: -0.034+/-0.056 χ^2/NDF: 35.9/29

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.041+/-0.050 χ^2/NDF: 41.6/49

All: -0.011+/-0.034 χ^2/NDF: 112.5/102

- sign 0.014+/-0.045 χ^2/NDF: 70.2/52



Right In: 238.522+/-0.048 χ^2/NDF: 1937794.0/24

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

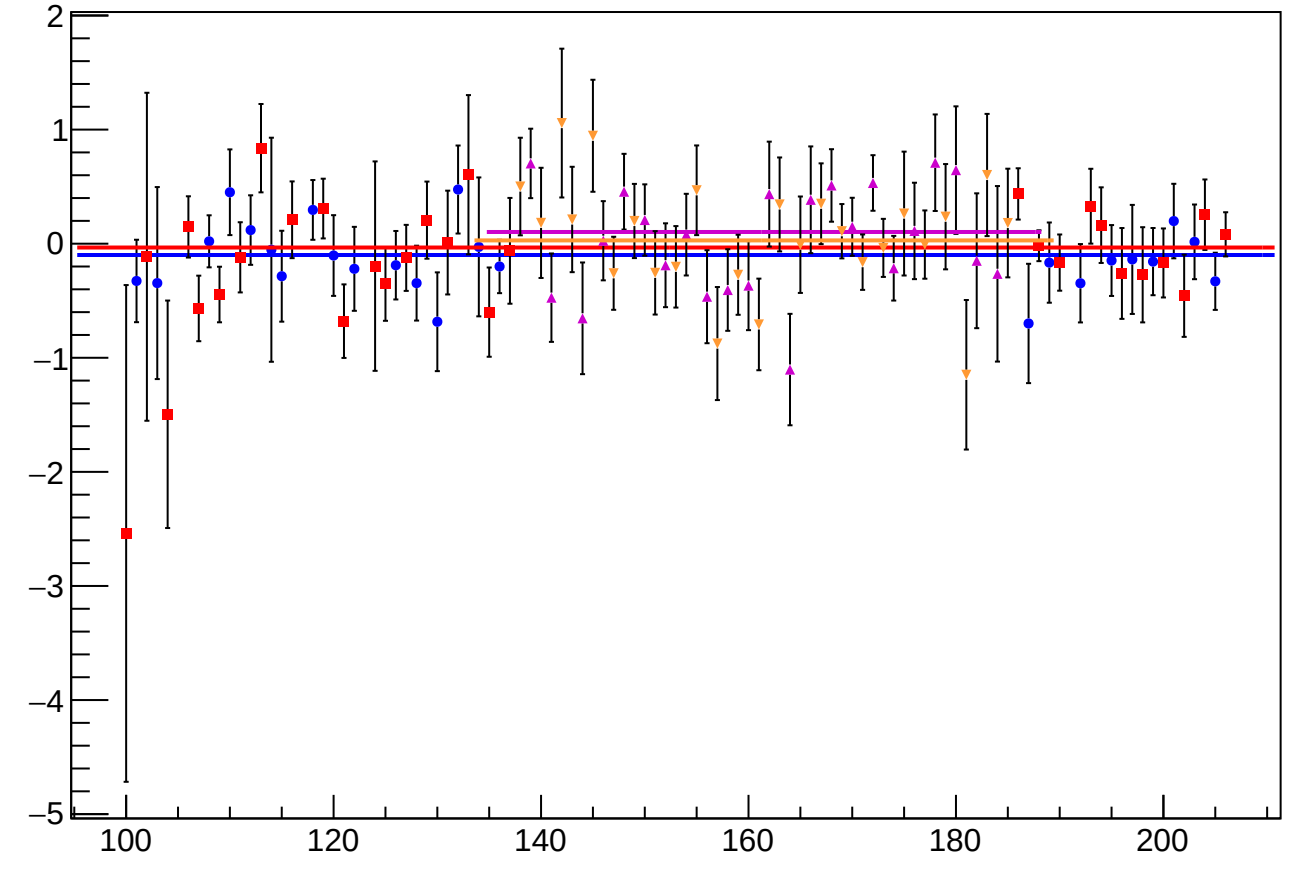
Right Out: 200.462+/-0.039 χ^2/NDF: 4337698.2/29

Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 270.948+/-0.035 χ^2/NDF: 5316685.1/49

All: 253.231+/-0.024 χ^2/NDF: 14441589.5/10

- sign 238.966+/-0.032 χ^2/NDF: 8674567.0/52



Right In: -0.099+/-0.068 χ^2/NDF: 14.7/24

Left Out: 0.029+/-0.075 χ^2/NDF:25.3/24

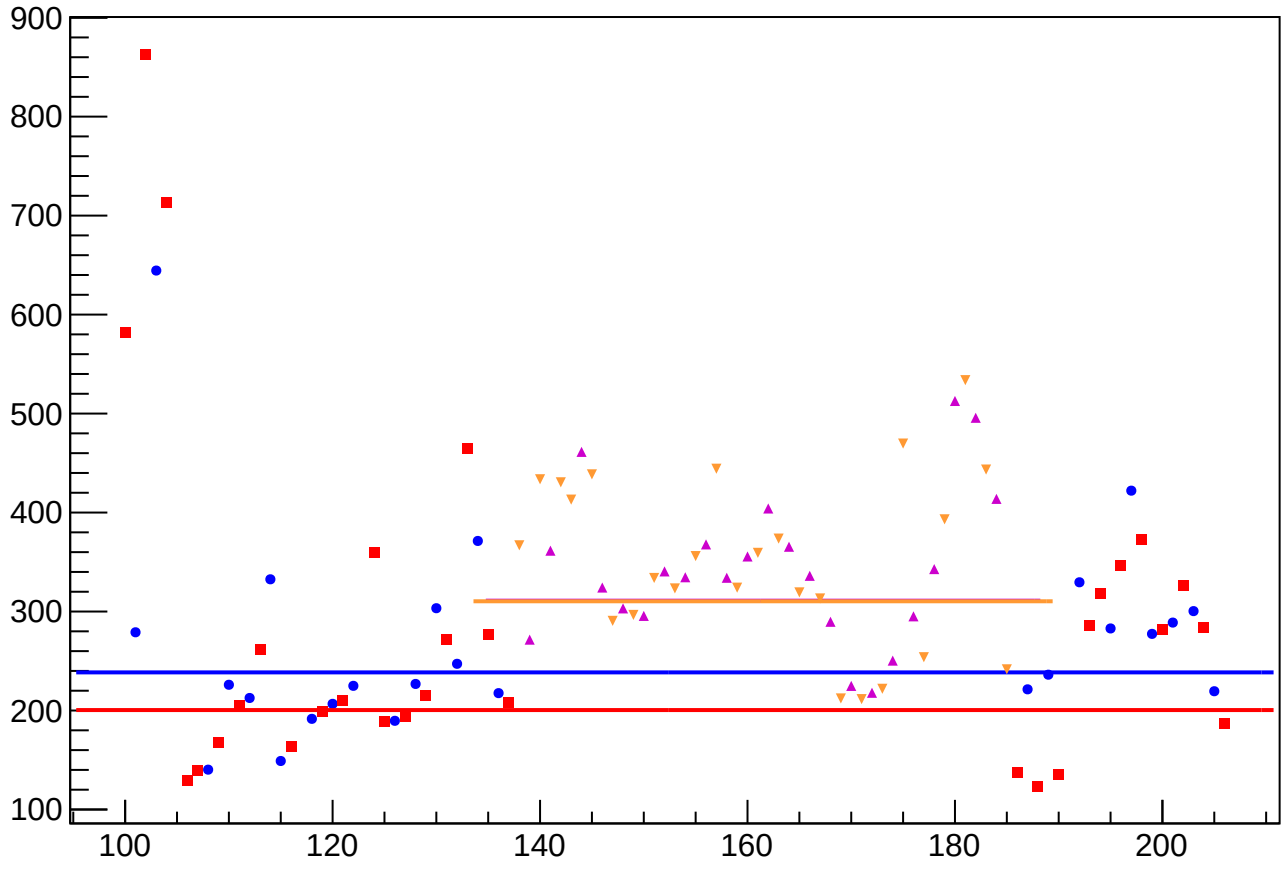
Right Out: -0.034+/-0.056 χ^2/NDF: 35.9/29

Left In: 0.103+/-0.076 χ^2/NDF:32.3/22

+ sign -0.041+/-0.050 χ^2/NDF: 41.6/49

All: -0.011+/-0.034 χ^2/NDF: 112.5/102

- sign 0.014+/-0.045 χ^2/NDF: 70.2/52



Right In: 238.522+/-0.048 χ^2/NDF: 1937794.0/24

Left Out: 310.362+/-0.053 χ^2/NDF:2363148.8/24

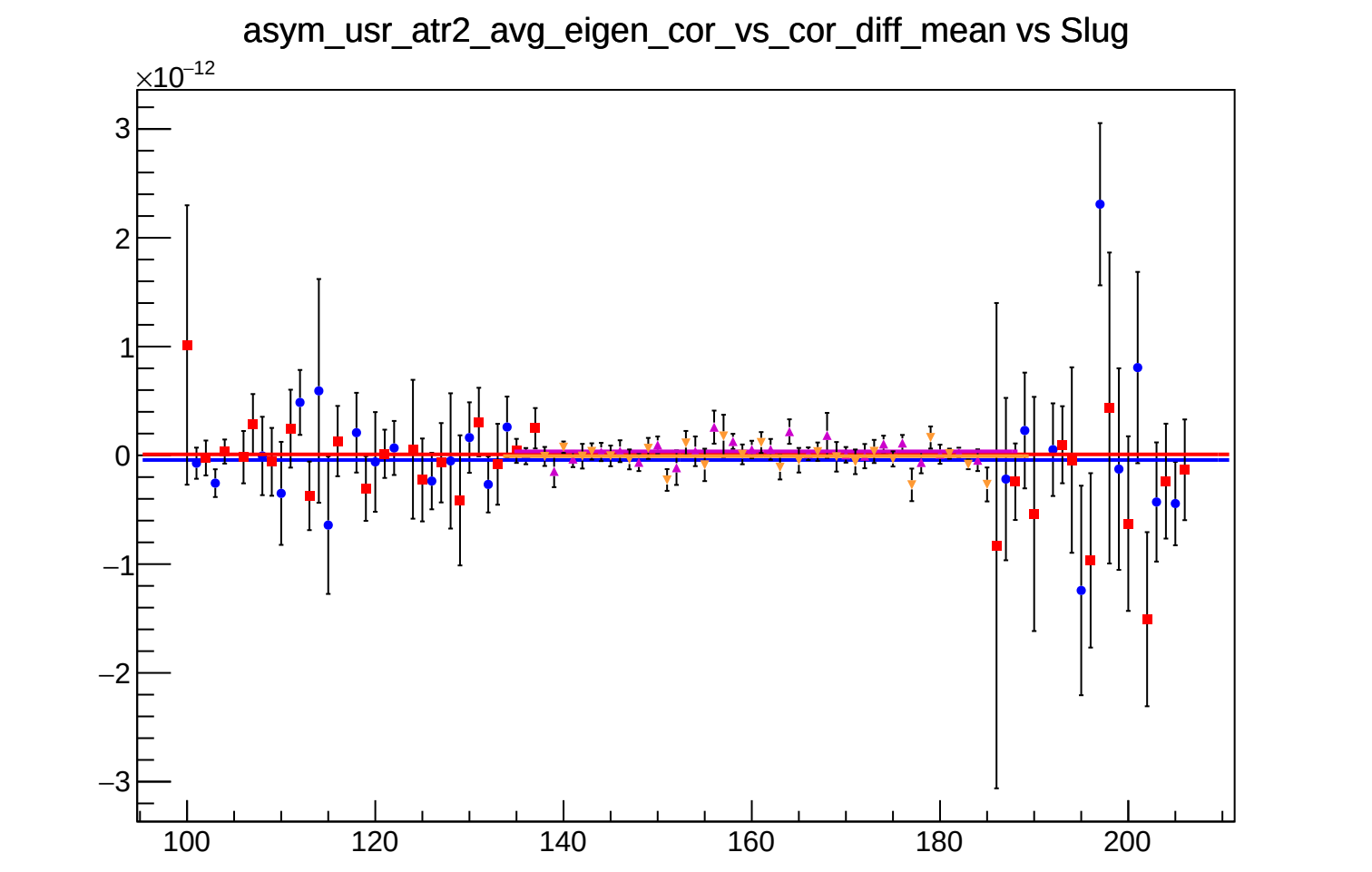
Right Out: 200.462+/-0.039 χ^2/NDF: 4337698.2/29

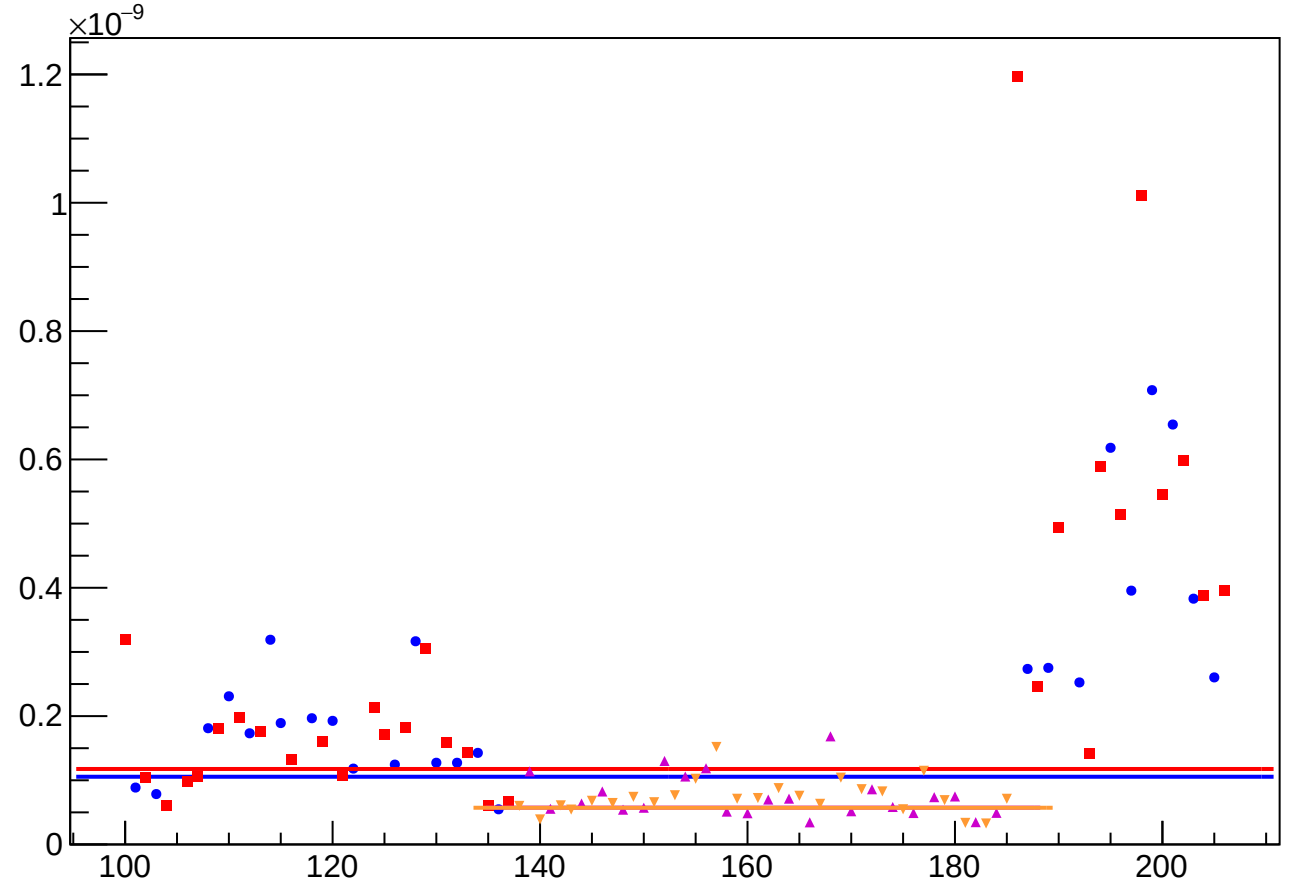
Left In: 310.963+/-0.054 χ^2/NDF:1600401.1/22

+ sign 270.948+/-0.035 χ^2/NDF: 5316685.1/49

All: 253.231+/-0.024 χ^2/NDF: 14441589.5/10

- sign 238.966+/-0.032 χ^2/NDF: 8674567.0/52


asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 25.9/24
Left Out: -0.000+/-0.000 χ²/NDF:25.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 15.6/29
Left In: 0.000+/-0.000 χ²/NDF:16.7/22
+ sign -0.000+/-0.000 χ²/NDF: 52.1/49
All: 0.000+/-0.000 χ²/NDF: 88.5/102
- sign 0.000+/-0.000 χ²/NDF: 32.6/52



Right In: 0.000+/-0.000 χ^2/NDF: 5874075.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3337849.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7387498.4/29

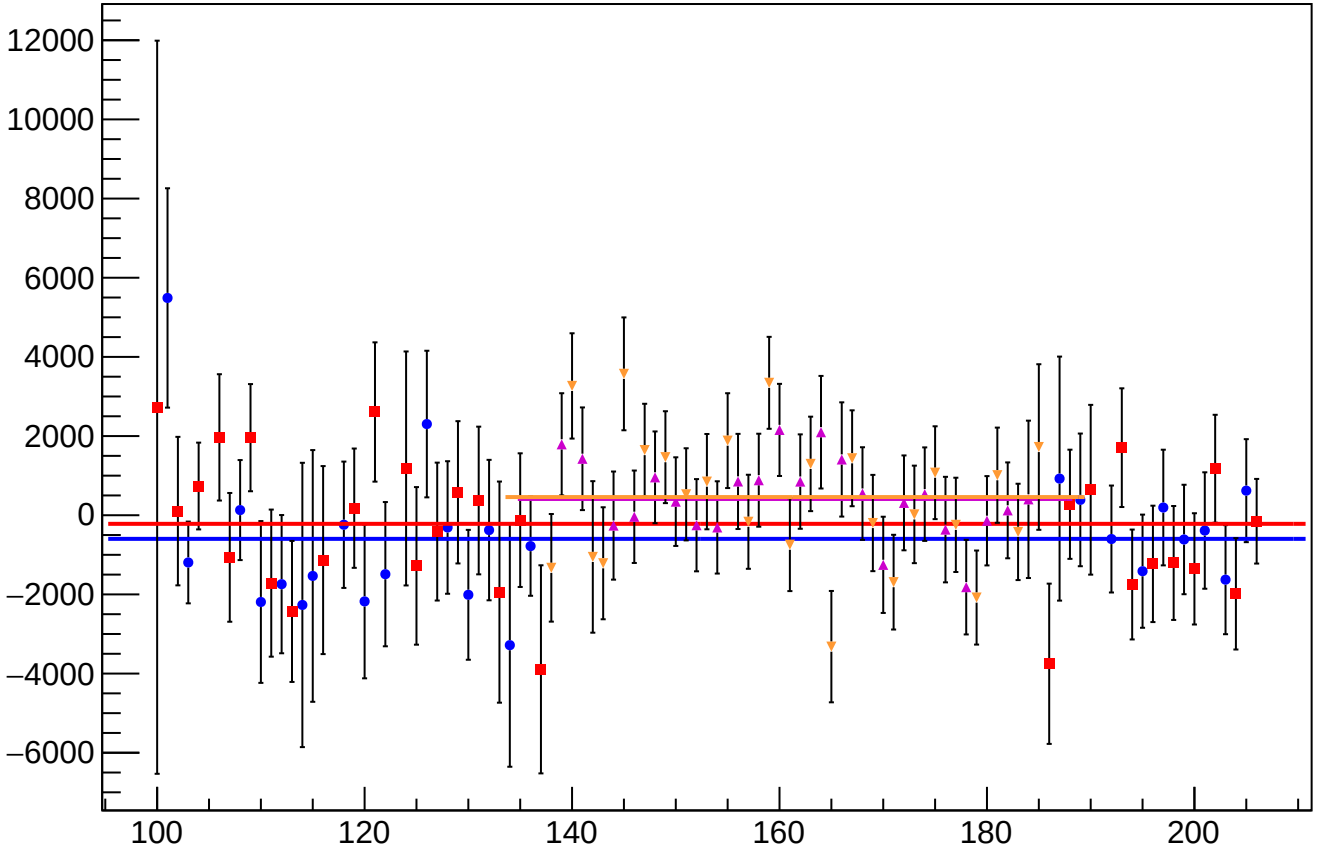
Left In: 0.000+/-0.000 χ^2/NDF:3299416.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 10984968.5/49

All: 0.000+/-0.000 χ^2/NDF: 24272636.3/102

- sign 0.000+/-0.000 χ^2/NDF: 13280383.4/52

reg_asym_usr_atr2_dd_mean vs Slug



Right In: -596.750+/-323.680 χ^2/NDF: 14.5/24

Left Out: 458.782+/-251.538 χ^2/NDF:42.1/24

Right Out: -217.256+/-298.423 χ^2/NDF: 24.2/29

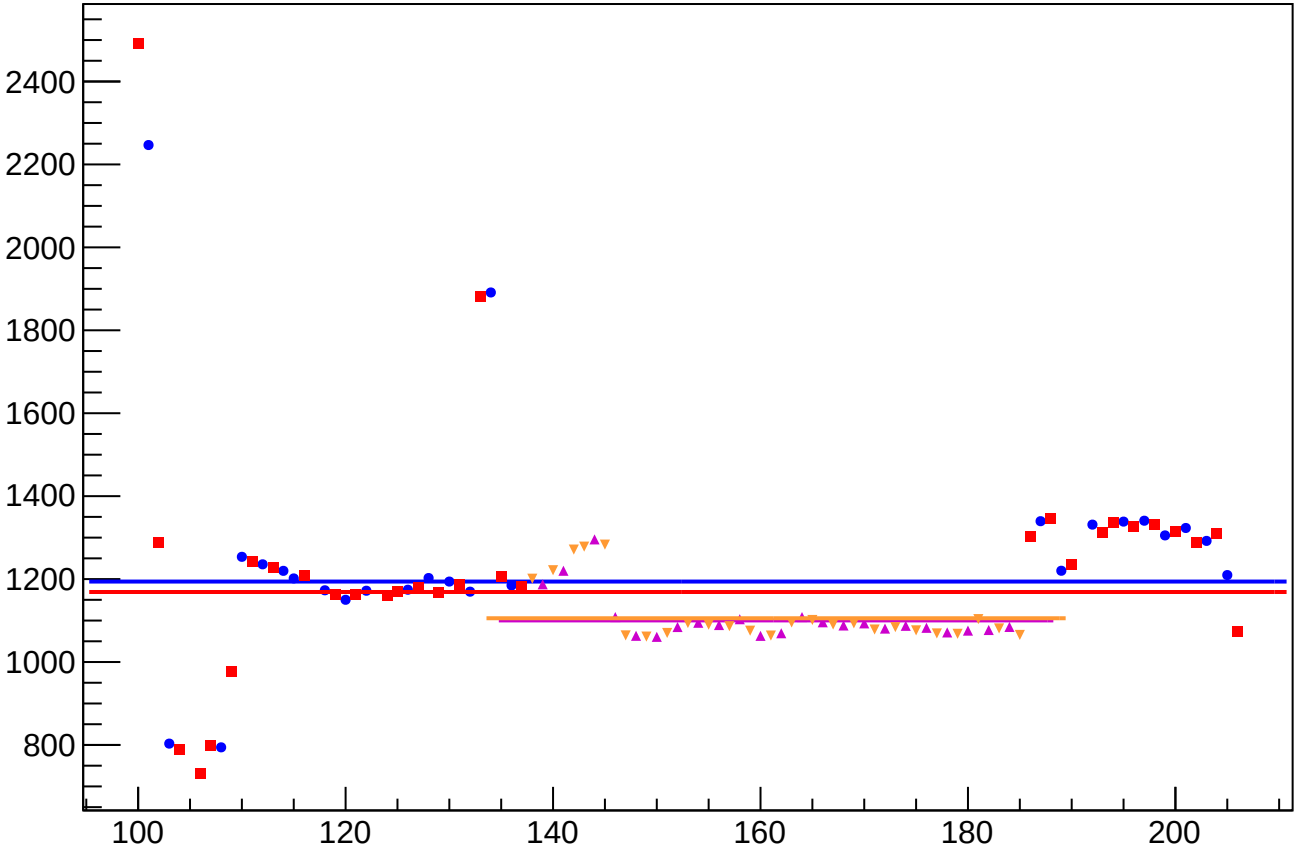
Left In: 411.262+/-257.201 χ^2/NDF:13.7/22

+ sign 61.347+/-198.616 χ^2/NDF: 63.2/49

All: 103.153+/-139.083 χ^2/NDF: 103.7/102

- sign 143.378+/-194.826 χ^2/NDF: 40.4/52

reg_asym_usr_atr2_dd_rms vs Slug



Right In: 1194.059+/-0.229 χ^2/NDF: 988737.4/24

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

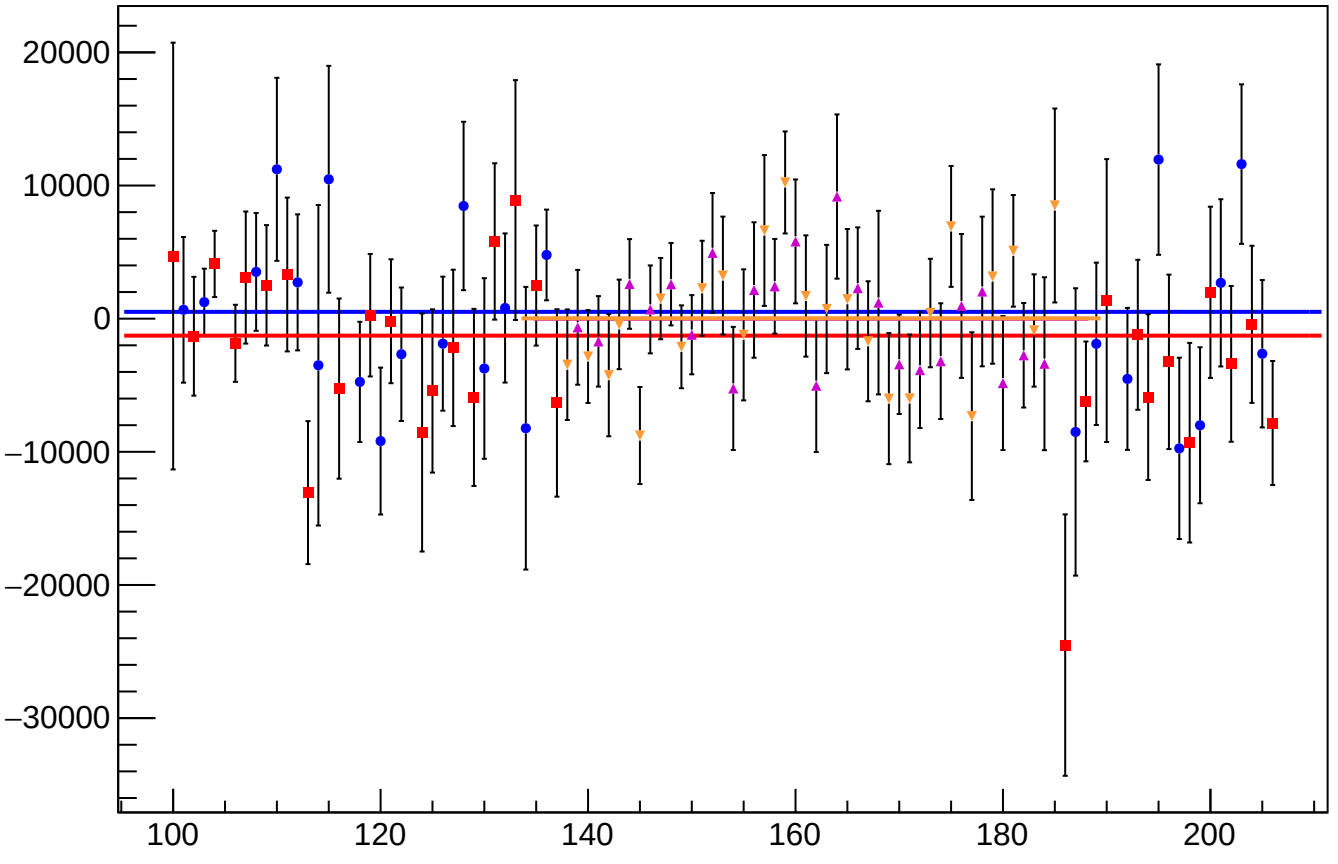
Right Out: 1168.876+/-0.210 χ^2/NDF: 969602.7/29

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1138.875+/-0.140 χ^2/NDF: 1203927.9/49

All: 1134.193+/-0.098 χ^2/NDF: 2316763.2/10

- sign 1129.704+/-0.138 χ^2/NDF: 1110658.0/52



Right In: 513.057+/-1063.096 χ^2/NDF: 26.5/24

Left Out: 23.368+/-850.404 χ^2/NDF:28.5/24

Right Out: -1273.962+/-952.916 χ^2/NDF: 28.9/29

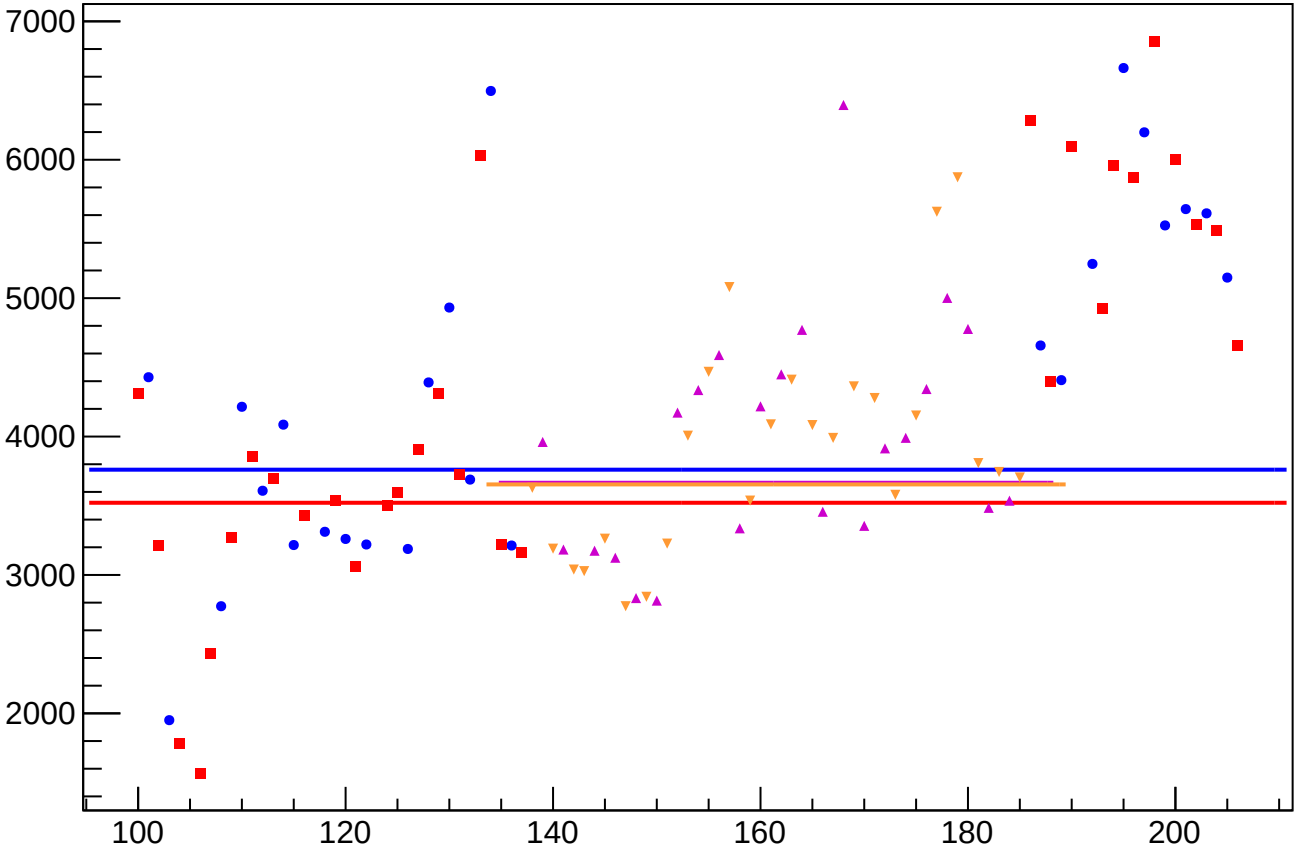
Left In: -6.317+/-875.256 χ^2/NDF:14.0/22

+ sign 214.446+/-664.076 χ^2/NDF: 55.1/49

All: -197.881+/-462.536 χ^2/NDF: 99.8/102

- sign -586.387+/-644.609 χ^2/NDF: 43.9/52

asym_usr_atr2_dd_reg_correction_rms vs Slug



Right In: 3760.653+/-0.752 χ^2/NDF: 2993013.1/24

Left Out: 3654.198+/-0.601 χ^2/NDF:1311761.6/24

Right Out: 3521.589+/-0.674 χ^2/NDF: 4555682.8/29

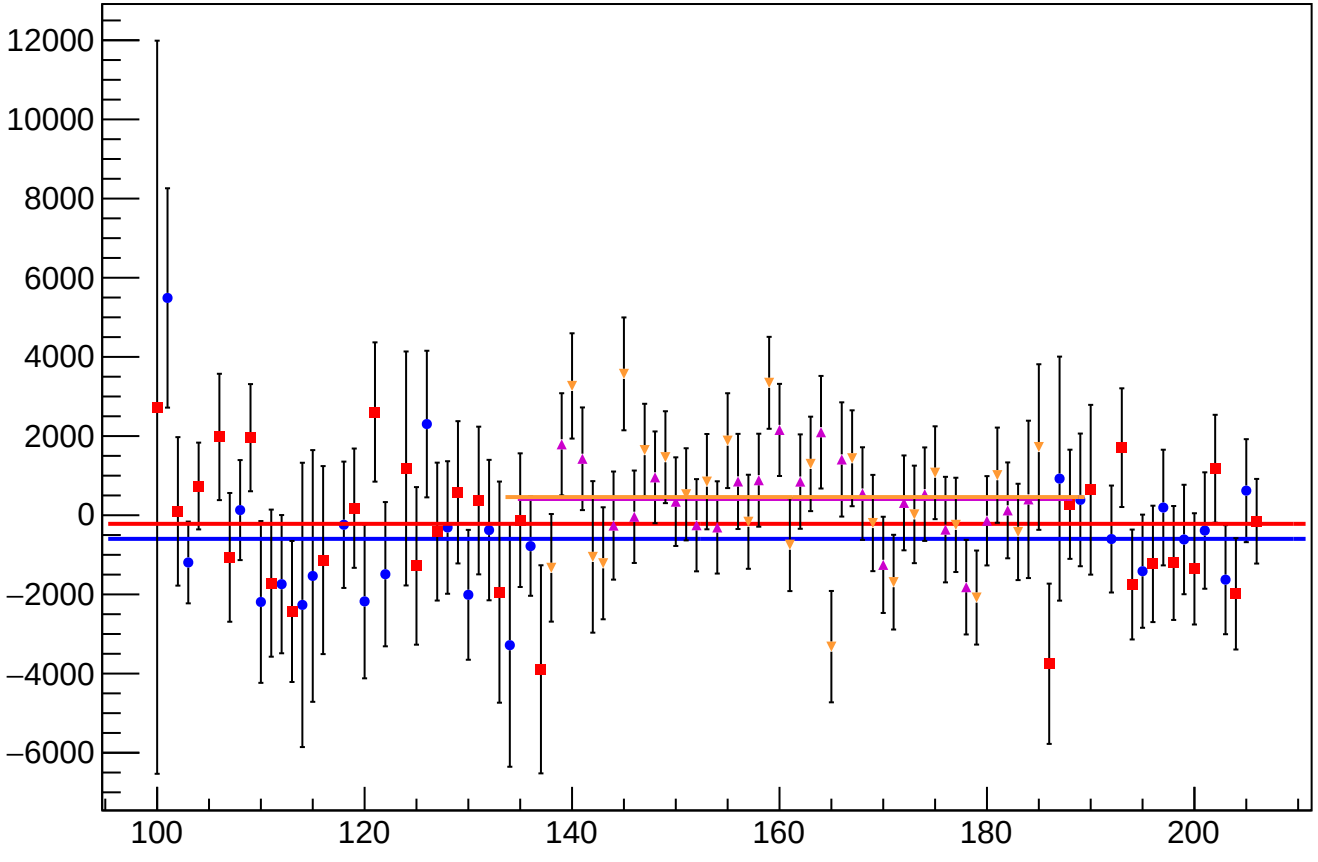
Left In: 3666.118+/-0.619 χ^2/NDF:1343709.3/22

+ sign 3695.737+/-0.470 χ^2/NDF: 4317004.1/49

All: 3646.435+/-0.327 χ^2/NDF: 10262760.9/1

- sign 3599.982+/-0.456 χ^2/NDF: 5924346.8/52

cor_asym_usr_atr2_dd_mean vs Slug



Right In: -596.766+/-323.680 χ^2/NDF: 14.5/24

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -217.098+/-298.425 χ^2/NDF: 24.2/29

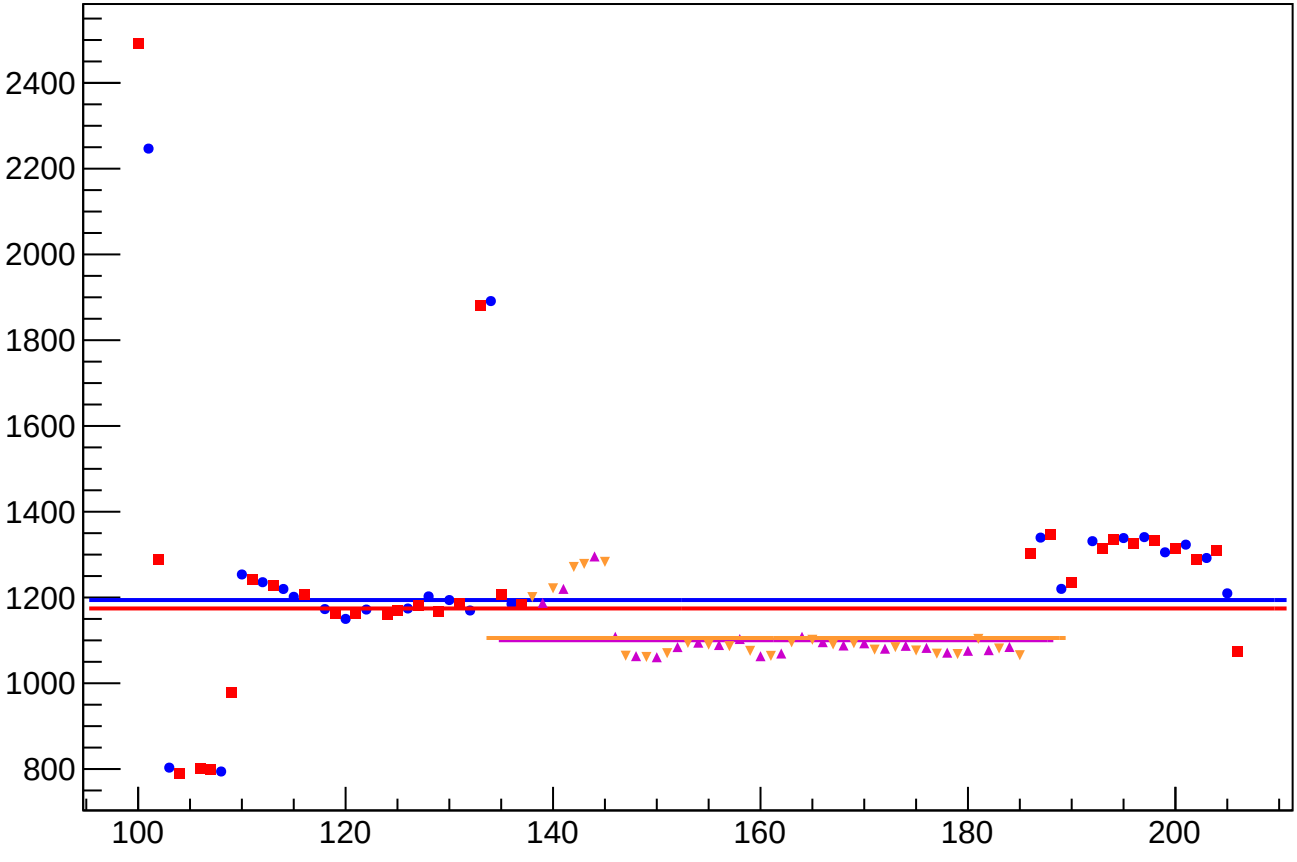
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 61.380+/-198.616 χ^2/NDF: 63.2/49

All: 103.175+/-139.083 χ^2/NDF: 103.7/102

- sign 143.391+/-194.826 χ^2/NDF: 40.4/52

cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1194.060+/-0.229 χ^2/NDF: 988732.9/24

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

Right Out: 1174.405+/-0.211 χ^2/NDF: 893237.1/29

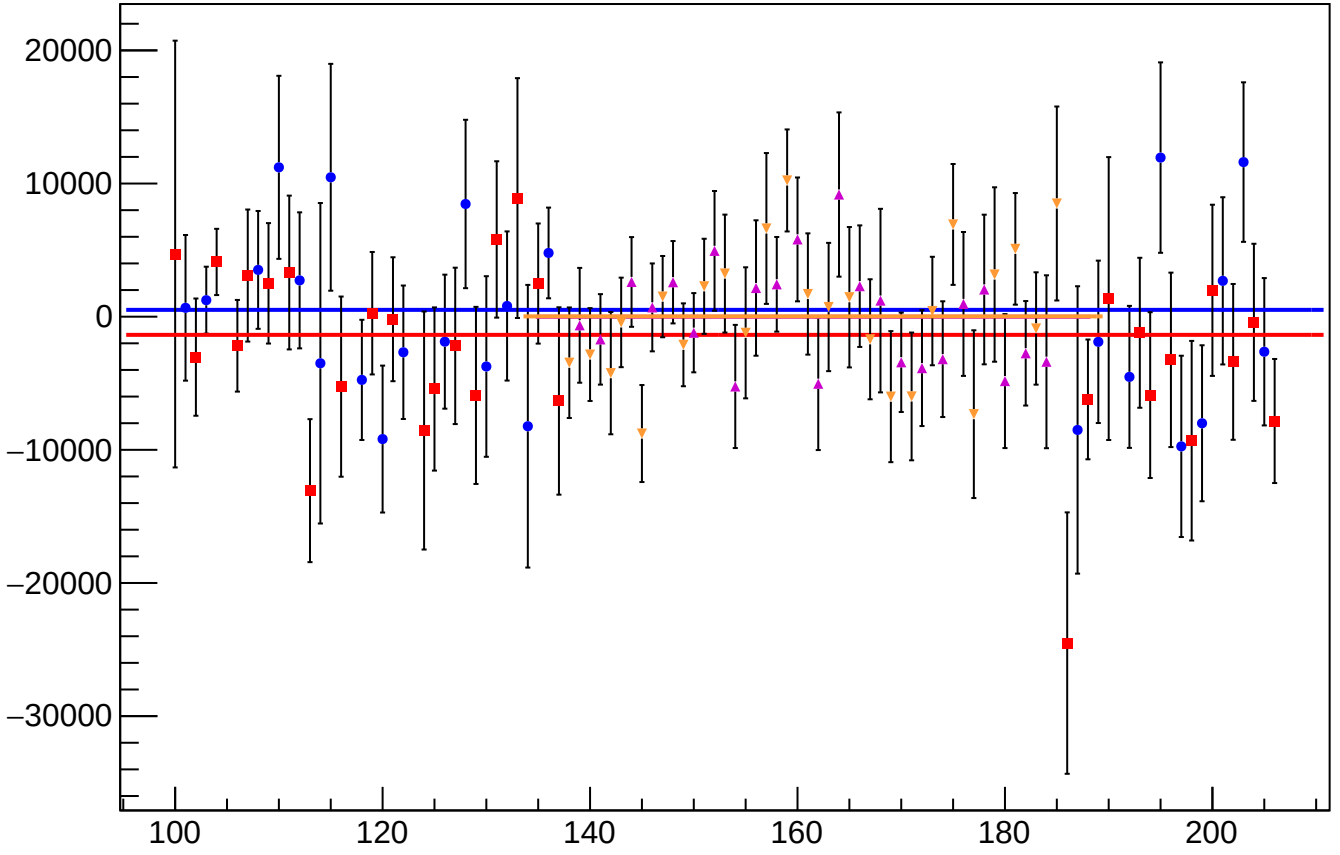
Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1138.875+/-0.140 χ^2/NDF: 1203924.1/49

All: 1135.345+/-0.098 χ^2/NDF: 2249392.5/10

- sign 1131.950+/-0.138 χ^2/NDF: 1044228.6/52

asym_usr_atr2_dd_cor_correction_mean vs Slug



Right In: 512.623+/-1063.128 χ^2/NDF: 26.5/24

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

Right Out: -1364.796+/-967.809 χ^2/NDF: 29.1/29

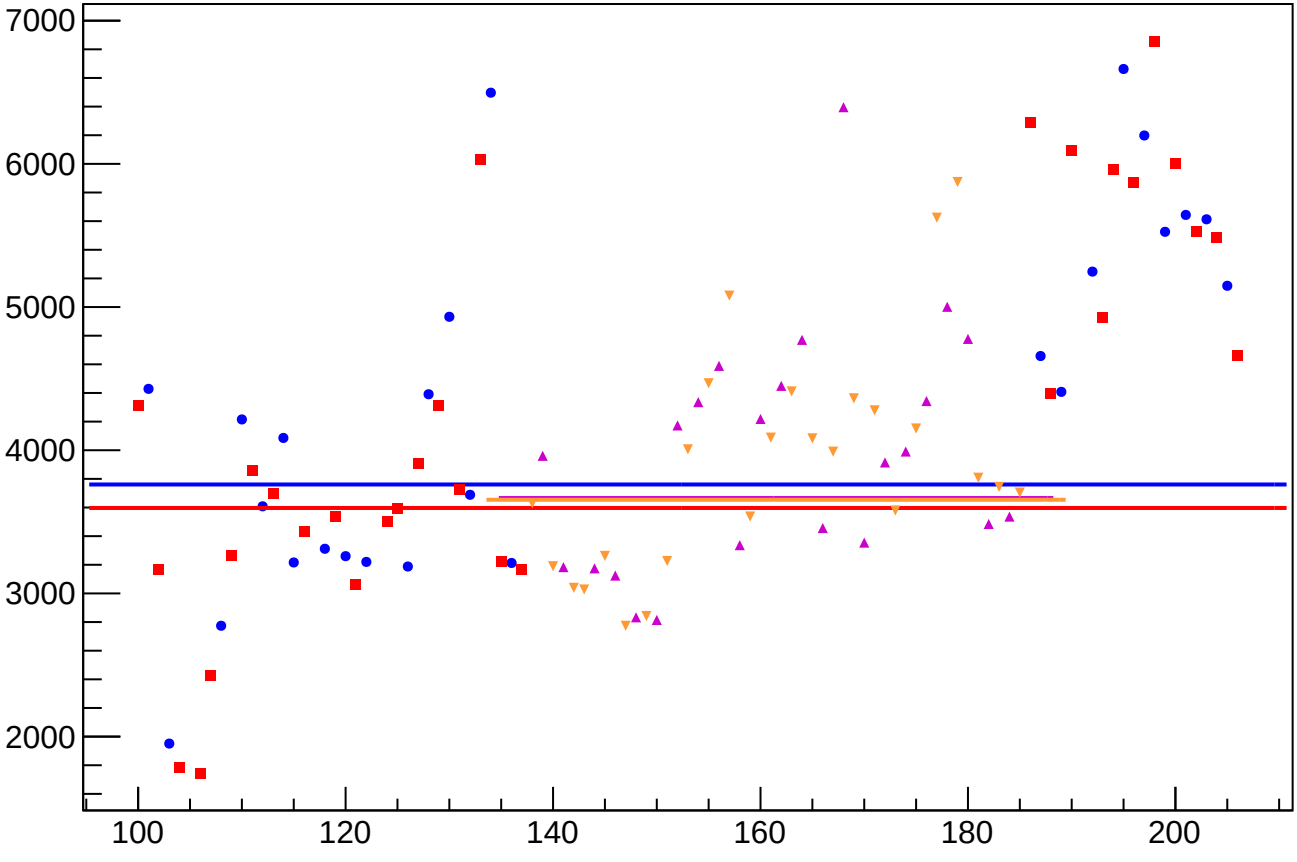
Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 214.268+/-664.084 χ^2/NDF: 55.1/49

All: -211.086+/-464.212 χ^2/NDF: 100.1/102

- sign -617.537+/-649.160 χ^2/NDF: 44.2/52

asym_usr_atr2_dd_cor_correction_rms vs Slug



Right In: 3760.824+/-0.752 χ^2/NDF: 2992251.6/24

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3596.823+/-0.684 χ^2/NDF: 4167809.1/29

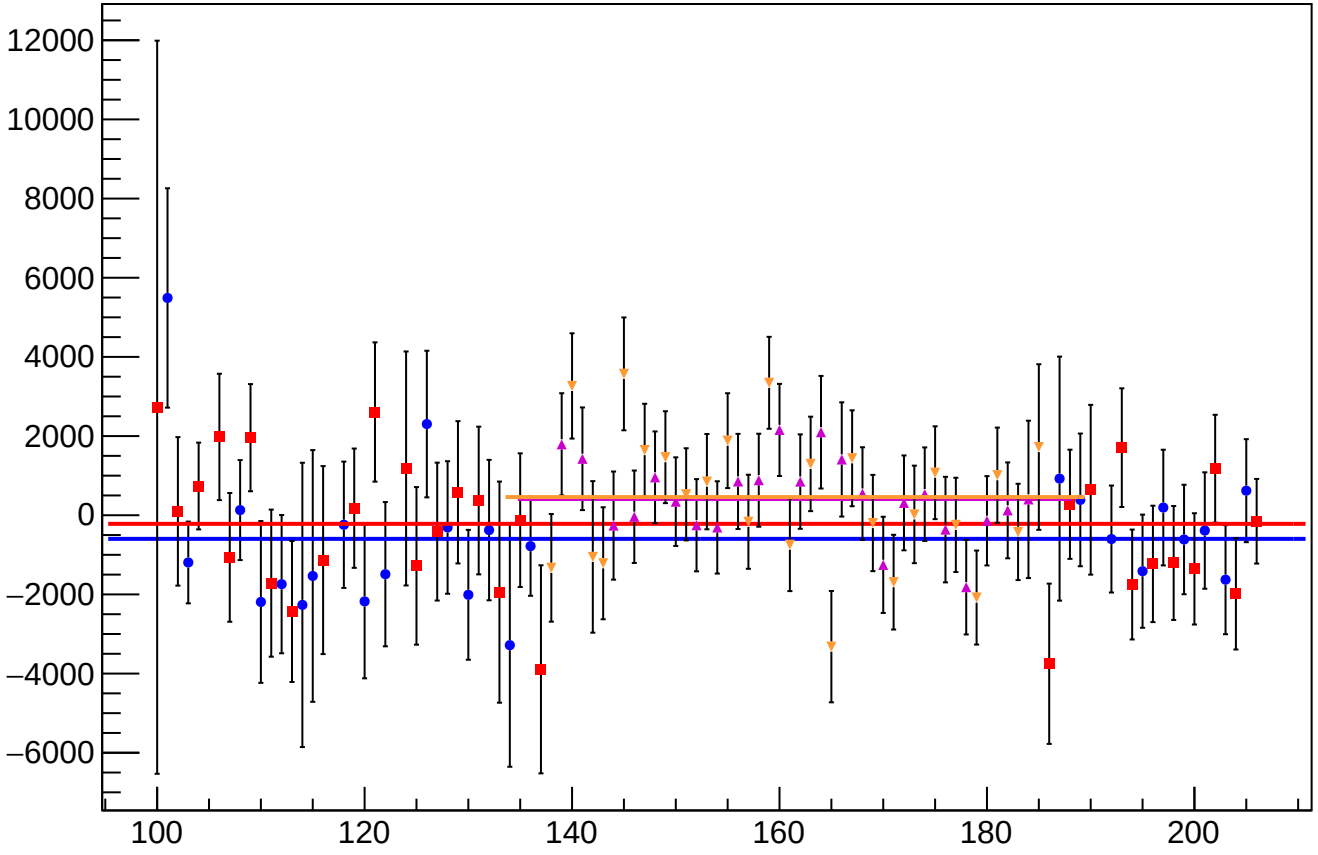
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3695.800+/-0.470 χ^2/NDF: 4316289.9/49

All: 3664.678+/-0.328 χ^2/NDF: 9842040.1/10

- sign 3634.939+/-0.459 χ^2/NDF: 5517160.2/52

eigen_cor_asym_usr_atr2_dd_mean vs Slug



Right In: -596.766+/-323.680 χ^2/NDF: 14.5/24

Left Out: 458.844+/-251.538 χ^2/NDF:42.1/24

Right Out: -217.098+/-298.425 χ^2/NDF: 24.2/29

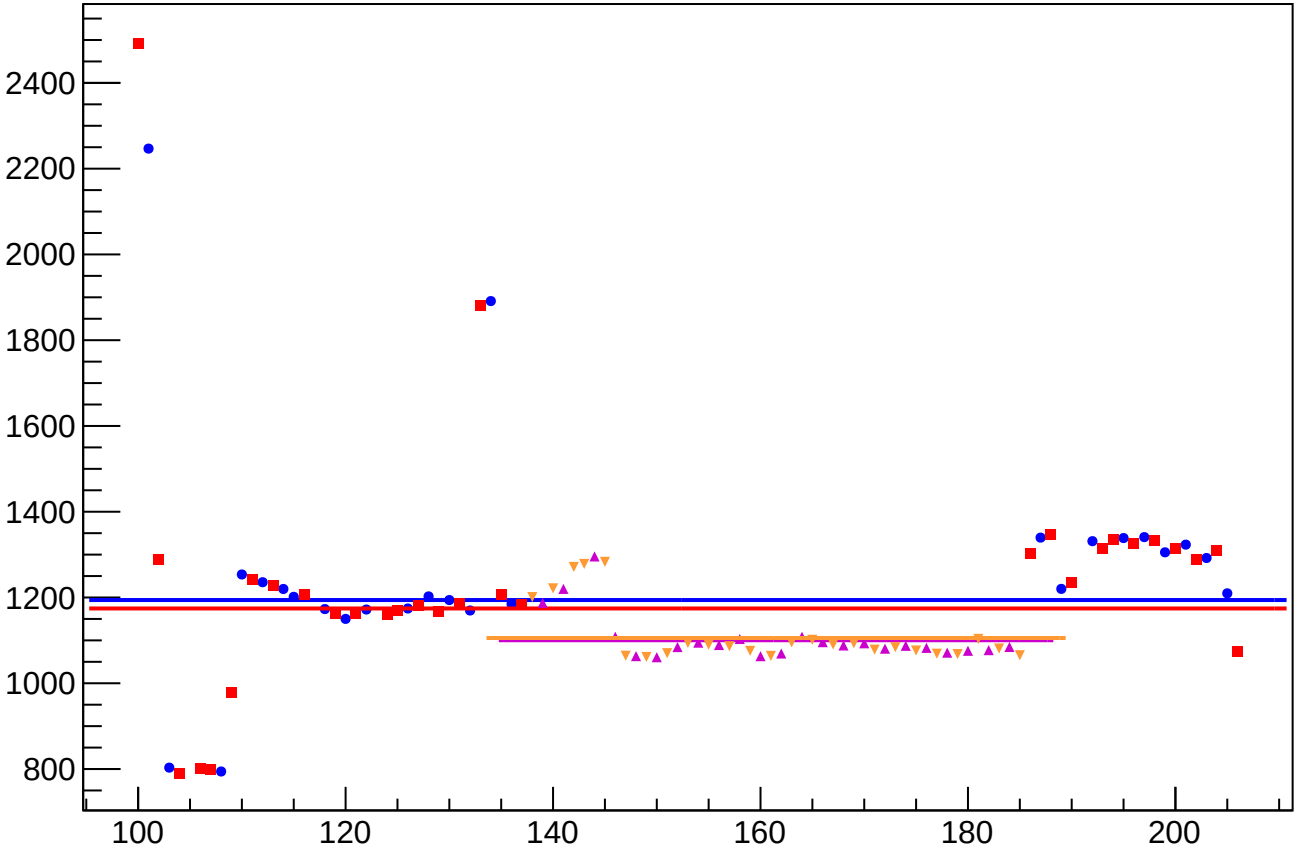
Left In: 411.165+/-257.201 χ^2/NDF:13.7/22

+ sign 61.380+/-198.616 χ^2/NDF: 63.2/49

All: 103.175+/-139.083 χ^2/NDF: 103.7/102

- sign 143.391+/-194.826 χ^2/NDF: 40.4/52

eigen_cor_asym_usr_atr2_dd_rms vs Slug



Right In: 1194.060+/-0.229 χ^2/NDF: 988732.9/24

Left Out: 1105.549+/-0.178 χ^2/NDF:121950.0/24

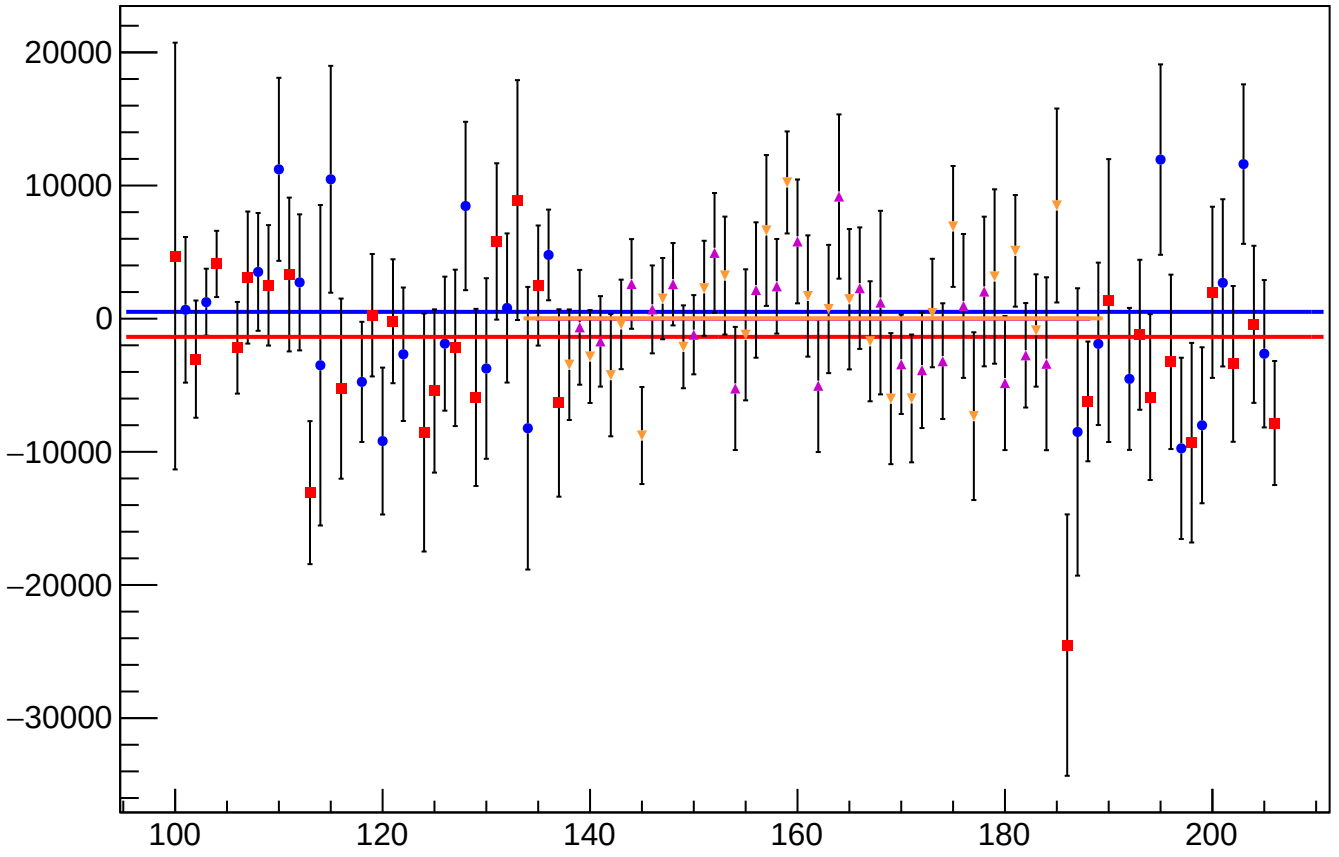
Right Out: 1174.405+/-0.211 χ^2/NDF: 893237.1/29

Left In: 1100.350+/-0.182 χ^2/NDF:80240.5/22

+ sign 1138.875+/-0.140 χ^2/NDF: 1203924.1/49

All: 1135.345+/-0.098 χ^2/NDF: 2249392.5/10

- sign 1131.950+/-0.138 χ^2/NDF: 1044228.6/52



Right In: 512.623+/-1063.128 χ^2/NDF: 26.5/24

Left Out: 23.365+/-850.403 χ^2/NDF:28.5/24

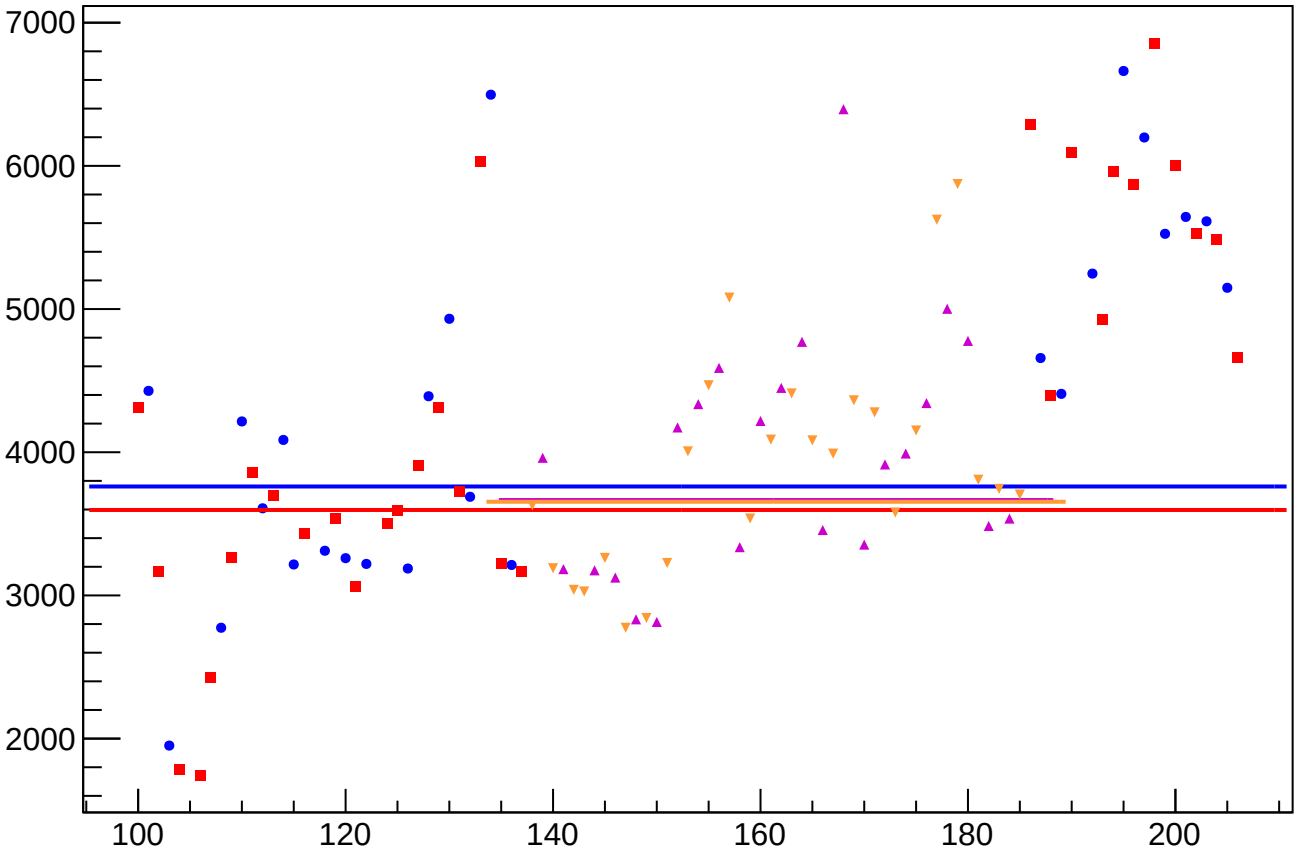
Right Out: -1364.796+/-967.809 χ^2/NDF: 29.1/29

Left In: -6.368+/-875.255 χ^2/NDF:14.0/22

+ sign 214.268+/-664.084 χ^2/NDF: 55.1/49

All: -211.086+/-464.212 χ^2/NDF: 100.1/102

- sign -617.537+/-649.160 χ^2/NDF: 44.2/52



Right In: 3760.824+/-0.752 χ^2/NDF: 2992251.6/24

Left Out: 3654.195+/-0.601 χ^2/NDF:1311769.4/24

Right Out: 3596.823+/-0.684 χ^2/NDF: 4167809.1/29

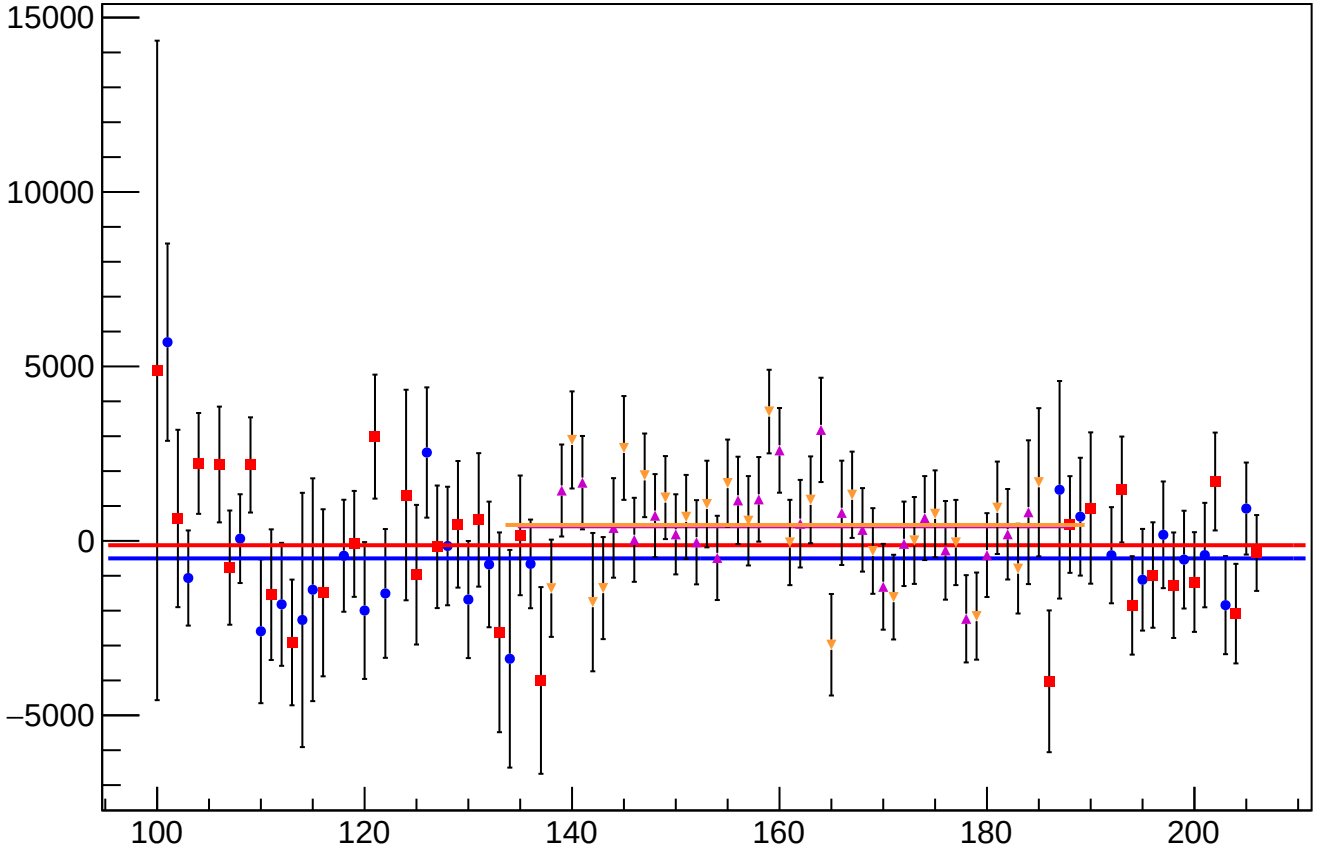
Left In: 3666.114+/-0.619 χ^2/NDF:1343711.6/22

+ sign 3695.800+/-0.470 χ^2/NDF: 4316289.9/49

All: 3664.678+/-0.328 χ^2/NDF: 9842040.1/10

- sign 3634.939+/-0.459 χ^2/NDF: 5517160.2/52

dit_asym_usr_atr2_dd_mean vs Slug



Right In: -502.220+/-335.453 χ^2/NDF: 15.4/24

Left Out: 455.711+/-261.005 χ^2/NDF:36.1/24

Right Out: -124.411+/-309.772 χ^2/NDF: 29.6/29

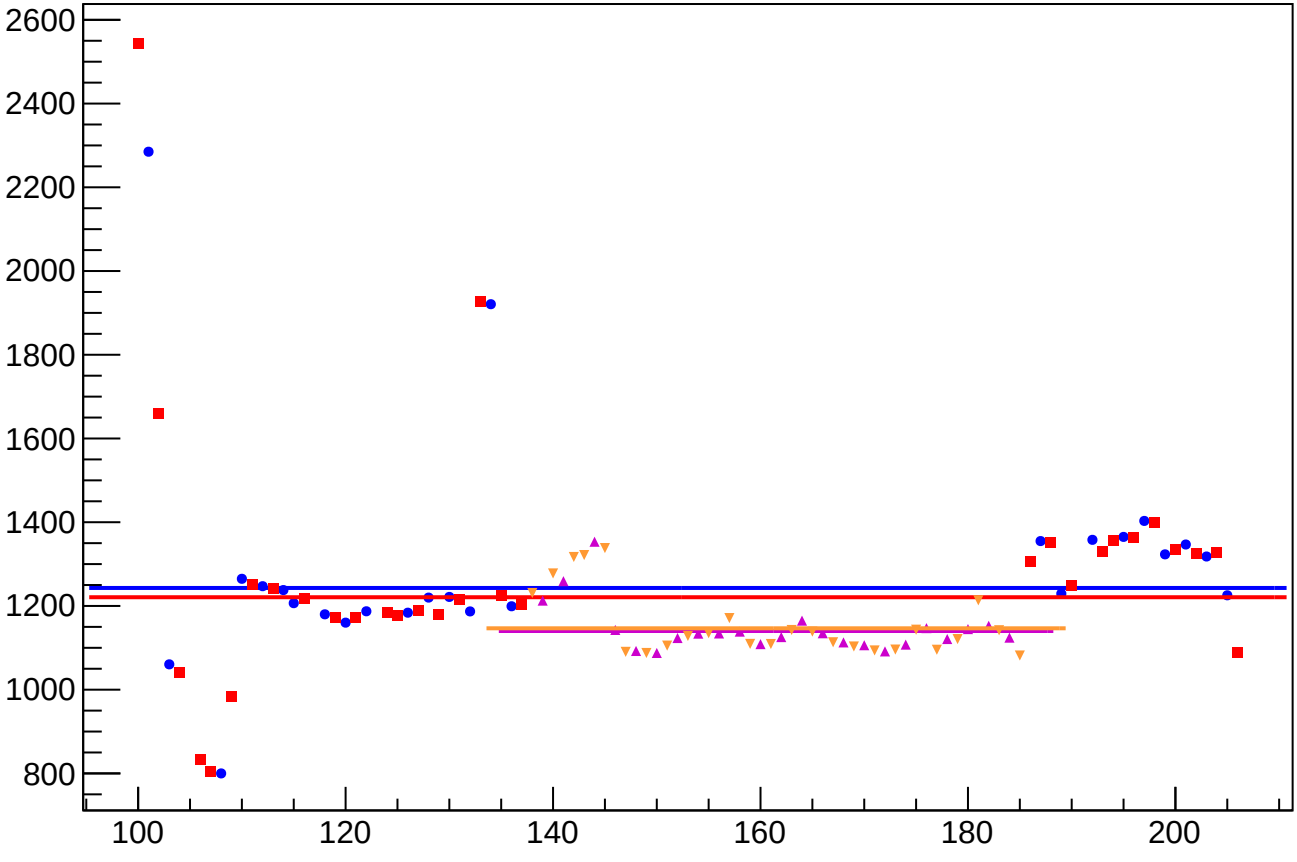
Left In: 417.202+/-266.582 χ^2/NDF:17.3/22

+ sign 94.476+/-205.996 χ^2/NDF: 56.6/49

All: 141.505+/-144.250 χ^2/NDF: 105.4/102

- sign 186.755+/-202.061 χ^2/NDF: 48.7/52

dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1242.979+/-0.237 χ^2/NDF: 734946.4/24

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

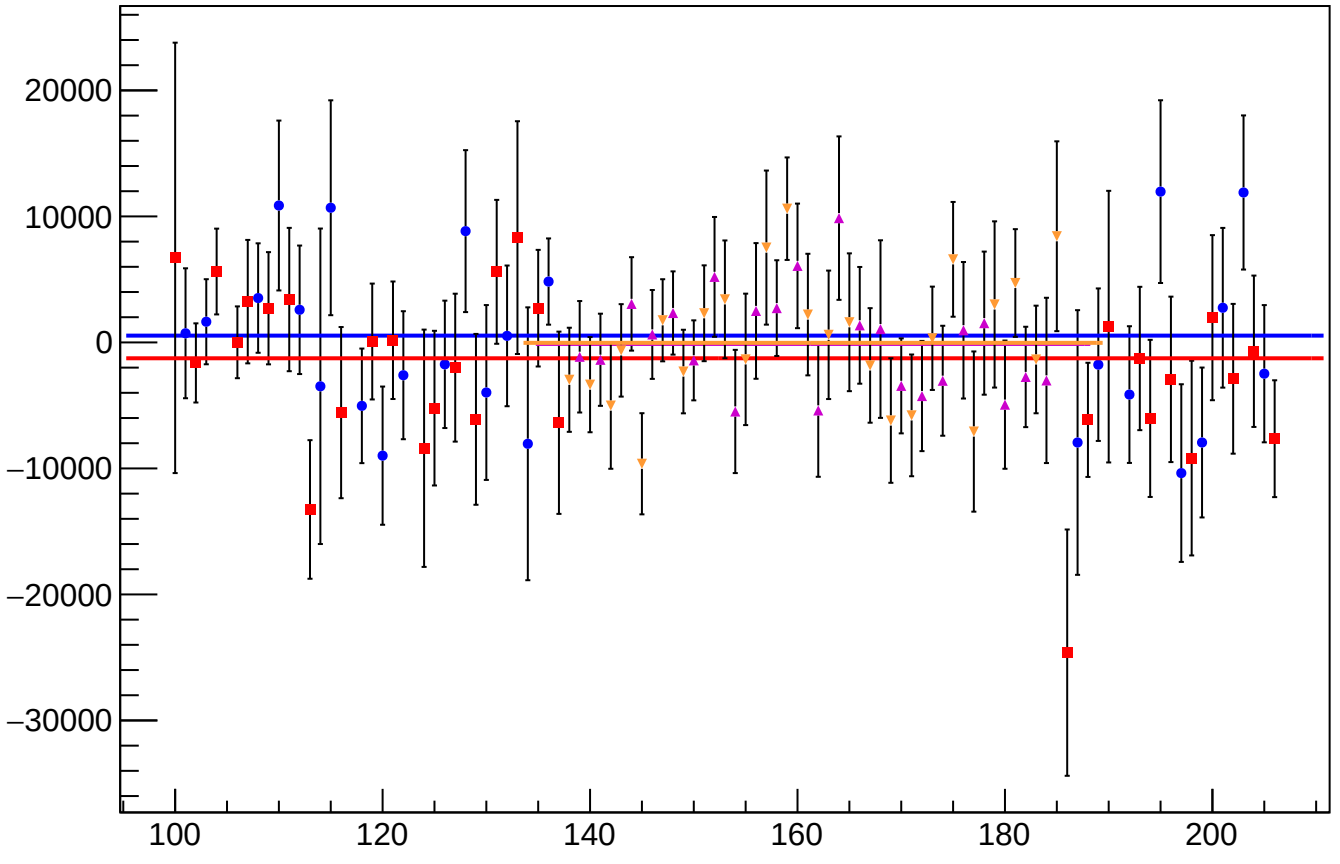
Right Out: 1220.816+/-0.219 χ^2/NDF: 720853.4/29

Left In: 1140.168+/-0.189 χ^2/NDF:84737.4/22

+ sign 1182.953+/-0.146 χ^2/NDF: 978770.0/49

All: 1178.640+/-0.102 χ^2/NDF: 1863983.8/10

- sign 1174.492+/-0.143 χ^2/NDF: 883494.0/52



Right In: 539.223+/-1109.308 χ^2/NDF: 26.3/24

Left Out: -33.549+/-891.370 χ^2/NDF:27.8/24

Right Out: -1258.950+/-965.665 χ^2/NDF: 28.3/29

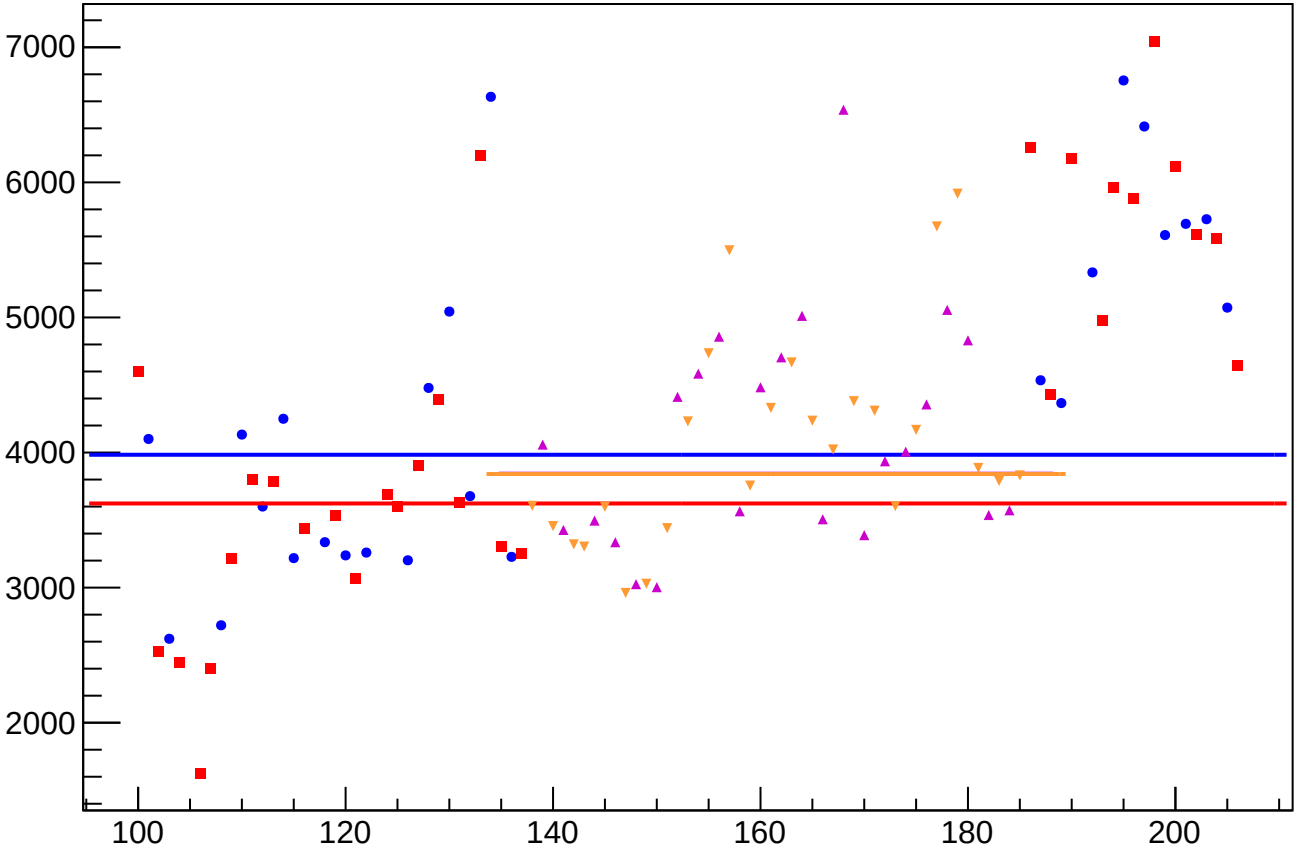
Left In: -121.051+/-915.714 χ^2/NDF:13.8/22

+ sign 191.176+/-694.843 χ^2/NDF: 54.3/49

All: -253.326+/-480.228 χ^2/NDF: 97.8/102

- sign -659.811+/-664.465 χ^2/NDF: 42.8/52

asym_usr_atr2_dd_dit_correction_rms vs Slug



Right In: 3983.560+/-0.784 χ^2/NDF: 2177481.9/24

Left Out: 3840.830+/-0.630 χ^2/NDF:1118666.6/24

Right Out: 3622.944+/-0.683 χ^2/NDF: 4023235.1/29

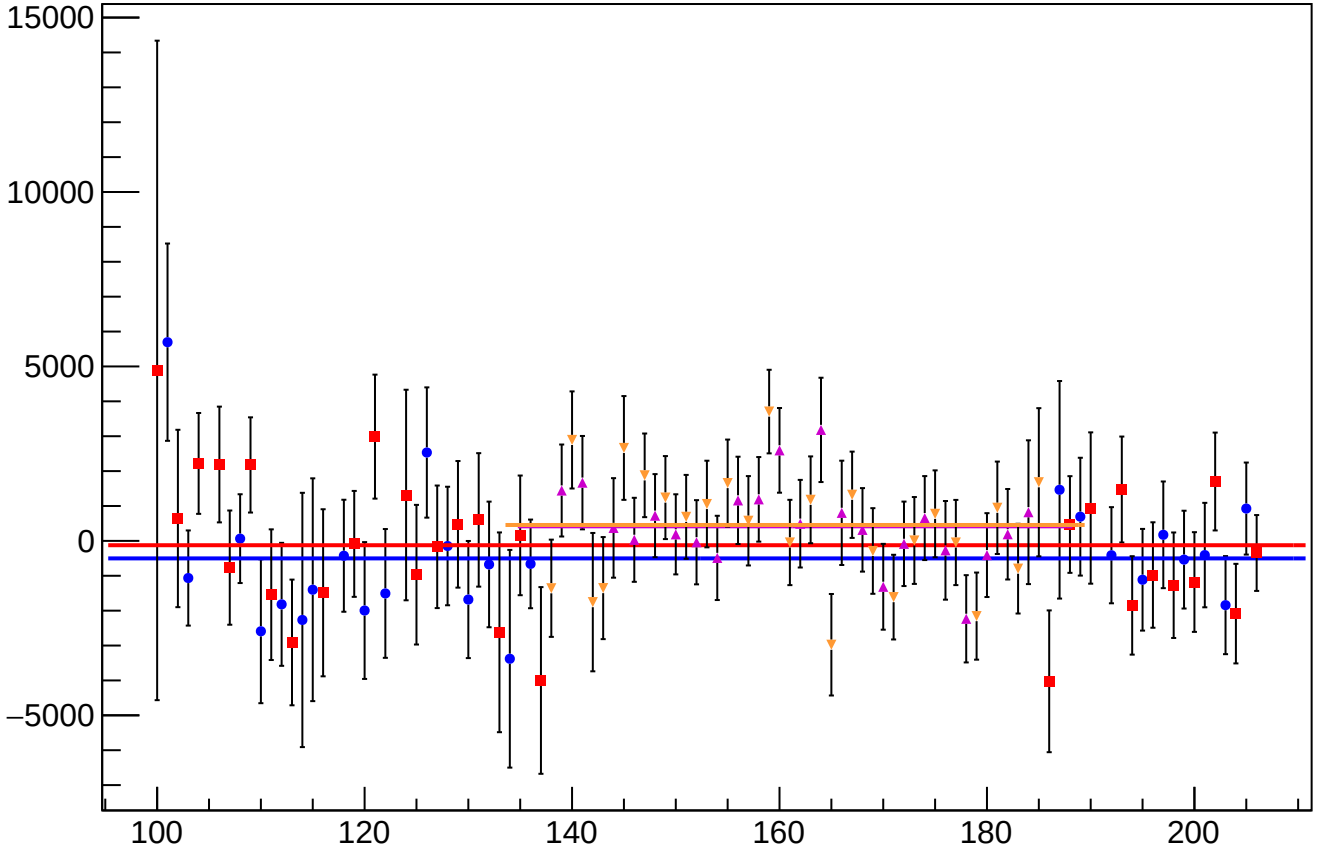
Left In: 3843.328+/-0.648 χ^2/NDF:1196057.8/22

\+ sign 3896.829+/-0.491 χ^2/NDF: 3316267.5/49

All: 3814.380+/-0.340 χ^2/NDF: 8644319.6/10

\- sign 3738.983+/-0.470 χ^2/NDF: 5274141.1/52

eigen_dit_asym_usr_atr2_dd_mean vs Slug



Right In: -502.221+/-335.453 χ^2/NDF: 15.4/24

Left Out: 455.716+/-261.006 χ^2/NDF:36.1/24

Right Out: -124.409+/-309.772 χ^2/NDF: 29.6/29

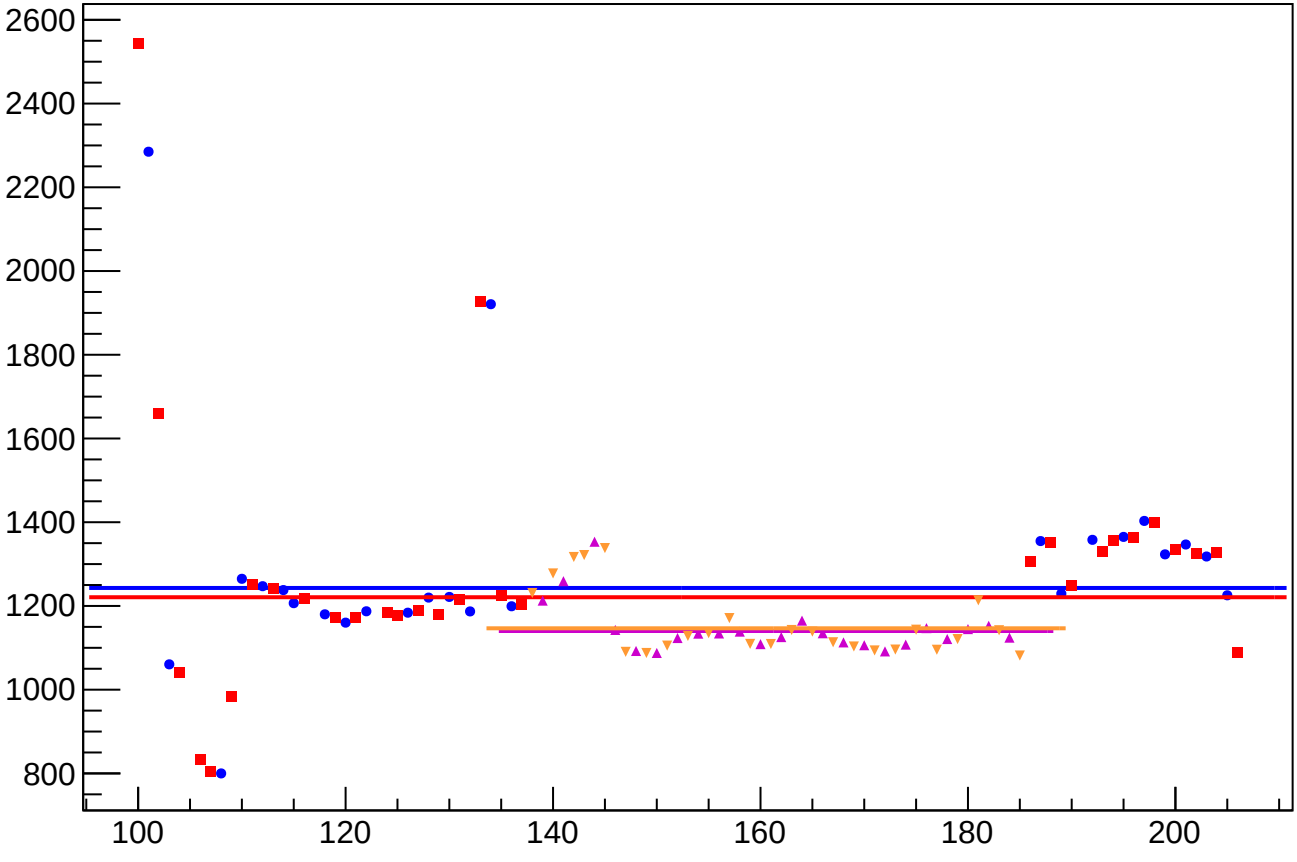
Left In: 417.201+/-266.583 χ^2/NDF:17.3/22

+ sign 94.478+/-205.996 χ^2/NDF: 56.6/49

All: 141.506+/-144.250 χ^2/NDF: 105.4/102

- sign 186.755+/-202.061 χ^2/NDF: 48.7/52

eigen_dit_asym_usr_atr2_dd_rms vs Slug



Right In: 1242.979+/-0.237 χ^2/NDF: 734947.1/24

Left Out: 1146.614+/-0.185 χ^2/NDF:141015.8/24

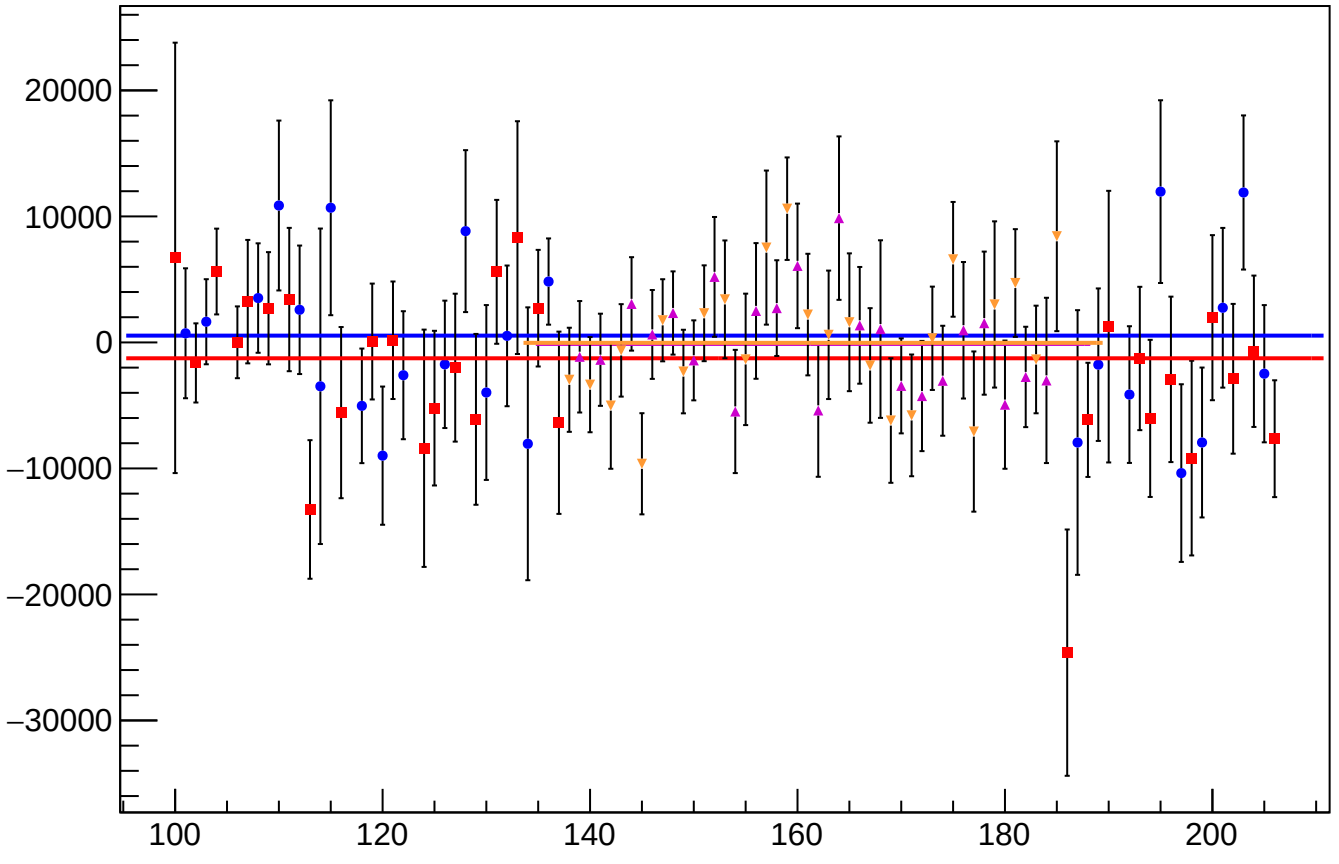
Right Out: 1220.817+/-0.219 χ^2/NDF: 720853.3/29

Left In: 1140.169+/-0.189 χ^2/NDF:84737.2/22

+ sign 1182.953+/-0.146 χ^2/NDF: 978769.2/49

All: 1178.641+/-0.102 χ^2/NDF: 1863981.5/10

- sign 1174.492+/-0.143 χ^2/NDF: 883492.6/52



Right In: 539.212+/-1109.308 χ^2/NDF: 26.3/24

Left Out: -33.548+/-891.372 χ^2/NDF:27.8/24

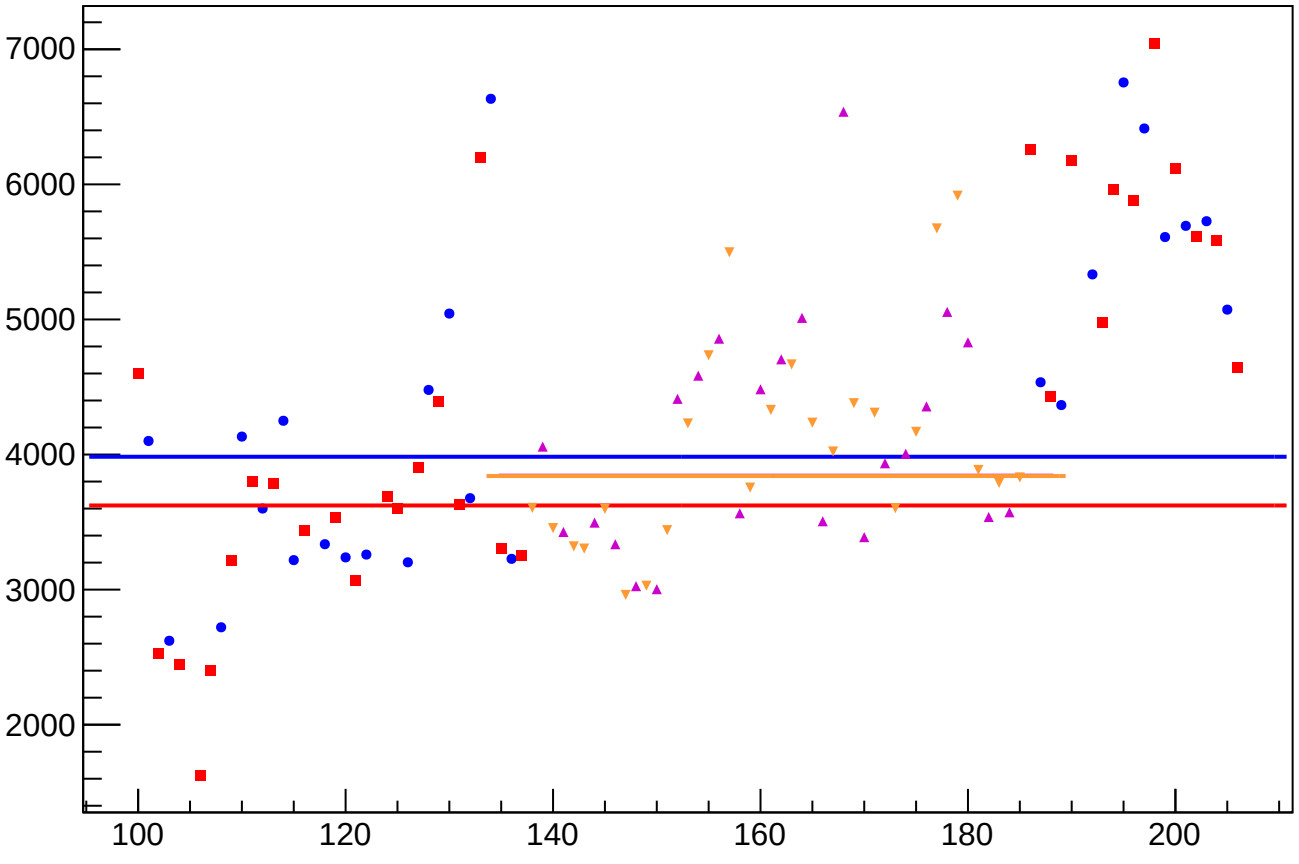
Right Out: -1258.942+/-965.664 χ^2/NDF: 28.3/29

Left In: -121.054+/-915.716 χ^2/NDF:13.8/22

+ sign 191.172+/-694.843 χ^2/NDF: 54.3/49

All: -253.327+/-480.228 χ^2/NDF: 97.8/102

- sign -659.810+/-664.465 χ^2/NDF: 42.8/52



Right In: 3983.557+/-0.784 χ^2/NDF: 2177491.6/24

Left Out: 3840.836+/-0.630 χ^2/NDF:1118668.2/24

Right Out: 3622.939+/-0.683 χ^2/NDF: 4023255.0/29

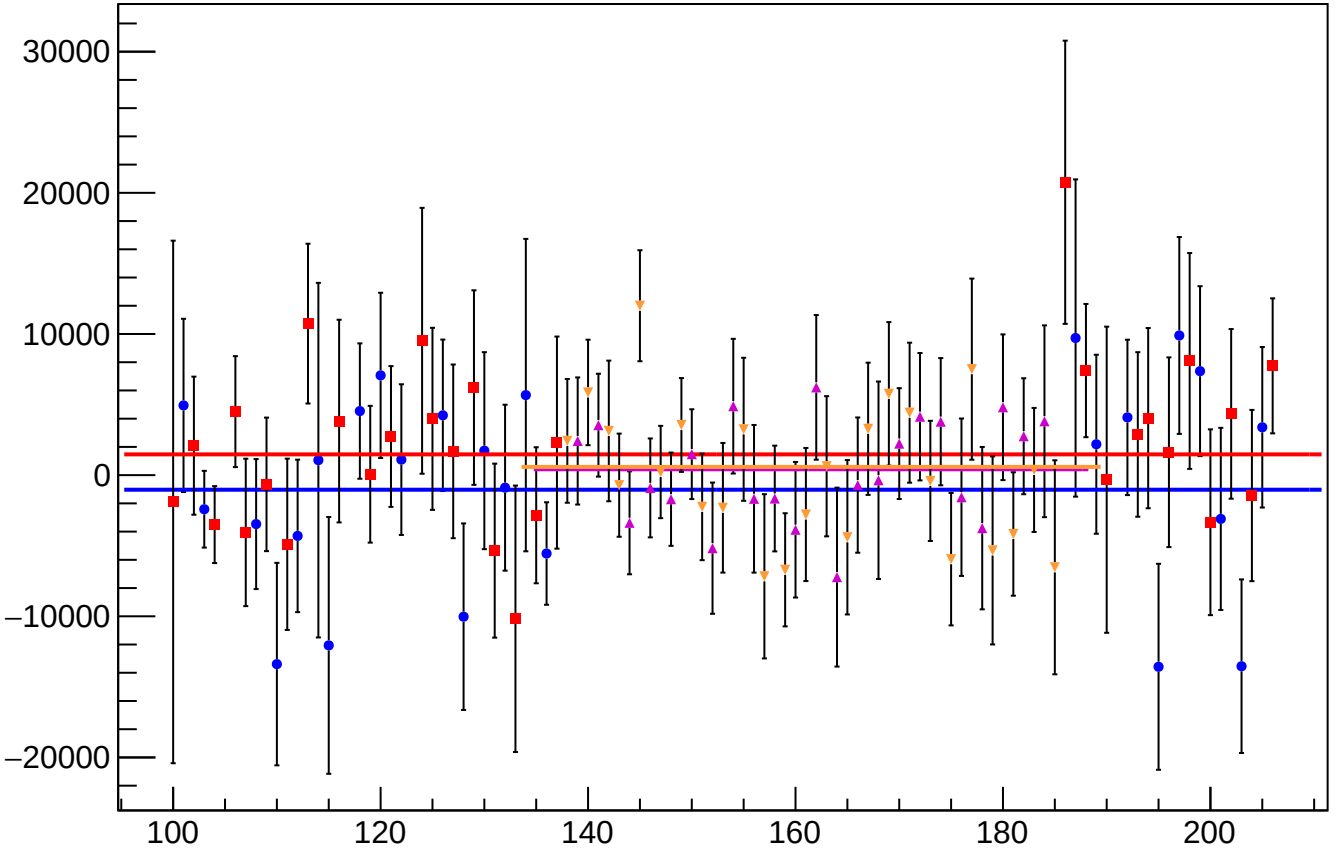
Left In: 3843.333+/-0.648 χ^2/NDF:1196061.6/22

+ sign 3896.832+/-0.491 χ^2/NDF: 3316276.7/49

All: 3814.382+/-0.340 χ^2/NDF: 8644358.7/10

- sign 3738.983+/-0.470 χ^2/NDF: 5274169.5/52

asym_usr_atr2_dd_mean vs Slug



Right In: -1032.555+/-1122.055 χ^2/NDF: 28.9/24

Left Out: 583.278+/-894.900 χ^2/NDF:27.4/24

Right Out: 1471.208+/-1028.497 χ^2/NDF: 23.2/29

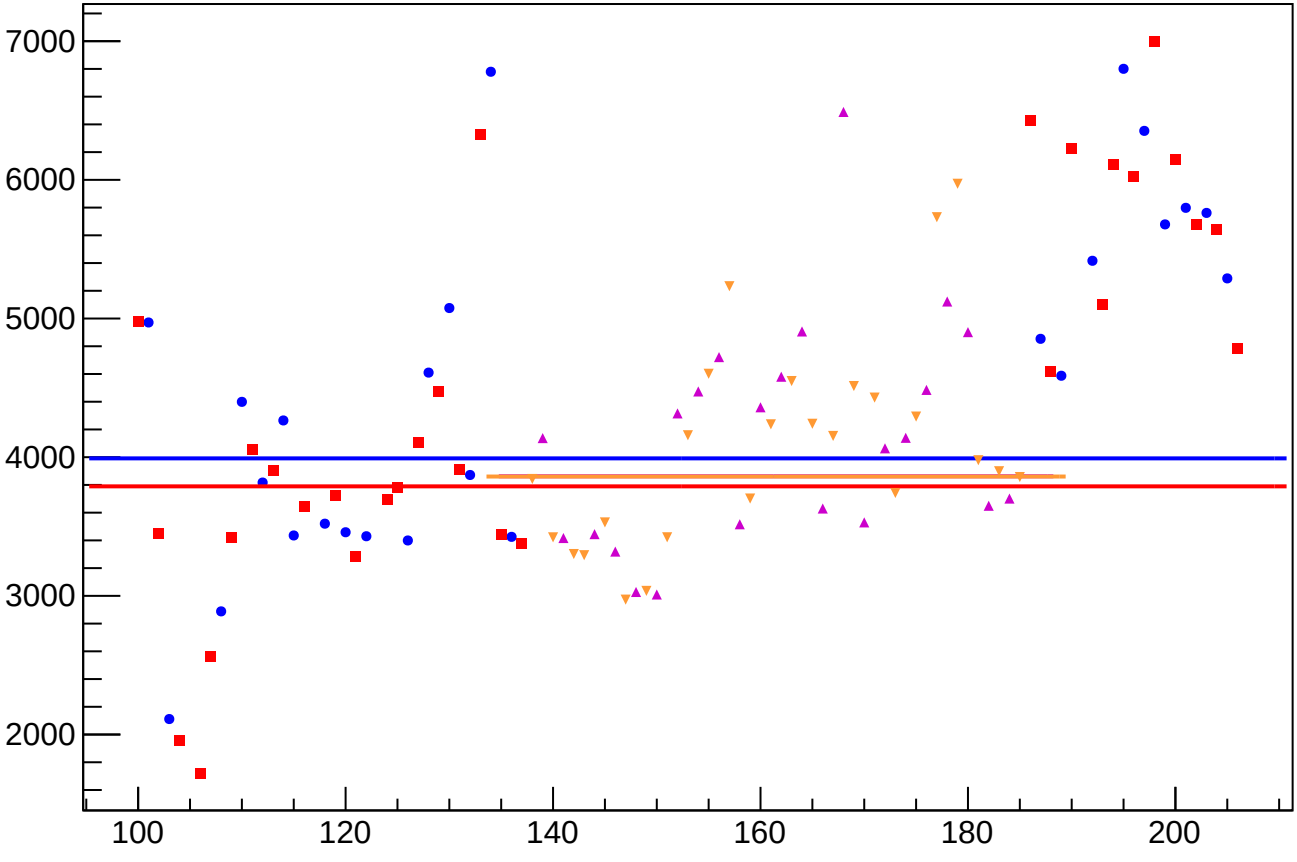
Left In: 416.803+/-919.006 χ^2/NDF:12.5/22

\+ sign -44.938+/-699.633 χ^2/NDF: 57.6/49

All: 429.618+/-489.565 χ^2/NDF: 94.8/102

\- sign 884.912+/-685.288 χ^2/NDF: 36.3/52

asym_usr_atr2_dd_rms vs Slug



Right In: 3991.482+/-0.793 χ^2/NDF: 2737149.4/24

Left Out: 3860.536+/-0.633 χ^2/NDF:1097292.6/24

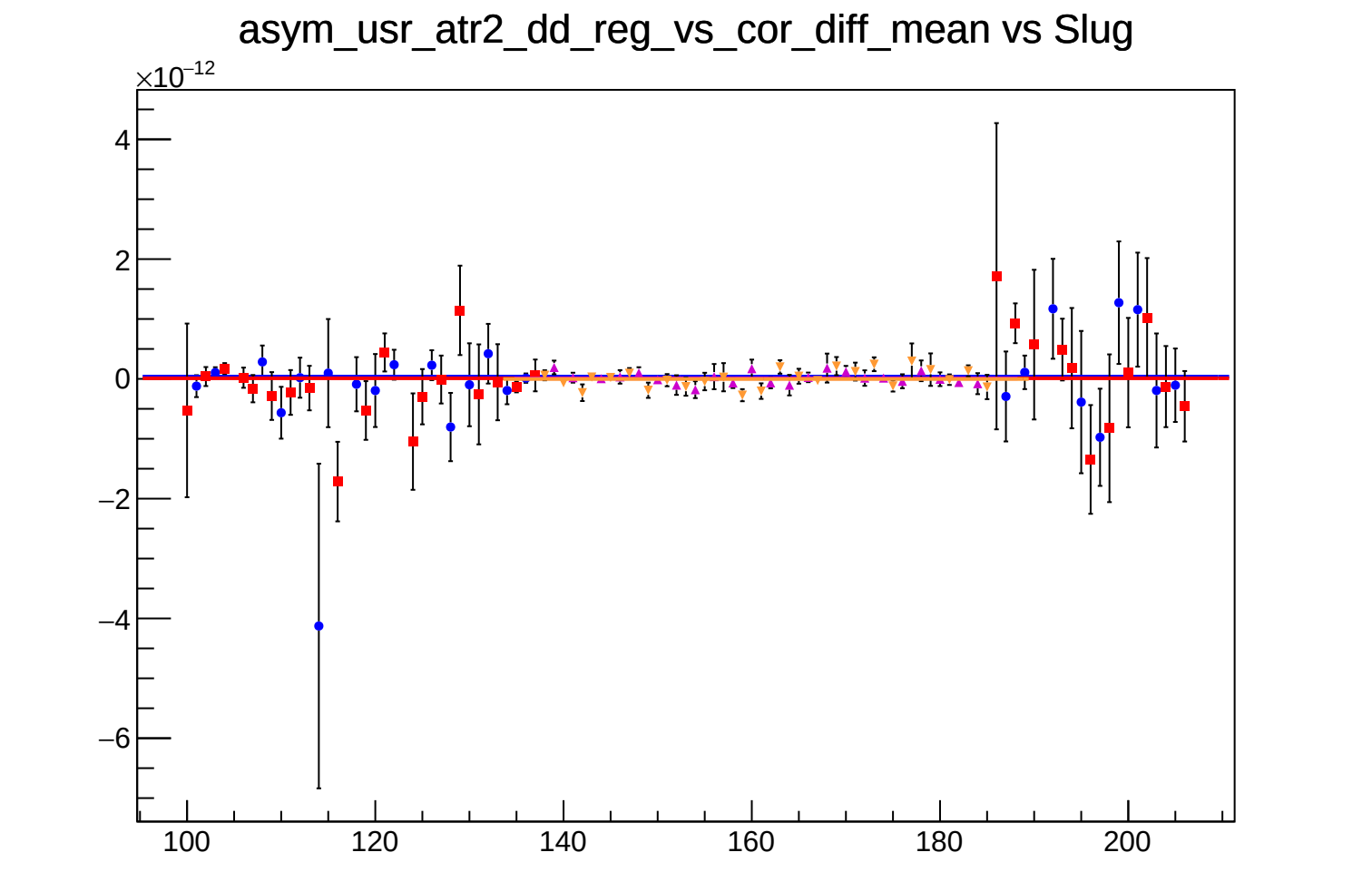
Right Out: 3789.685+/-0.719 χ^2/NDF: 3977407.8/29

Left In: 3862.339+/-0.650 χ^2/NDF:1142179.8/22

+ sign 3911.446+/-0.495 χ^2/NDF: 3851090.6/49

All: 3869.484+/-0.345 χ^2/NDF: 8990325.3/10

- sign 3829.654+/-0.482 χ^2/NDF: 5125211.0/52



Right In: 0.000+/-0.000 χ^2/NDF: 18.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:34.3/24

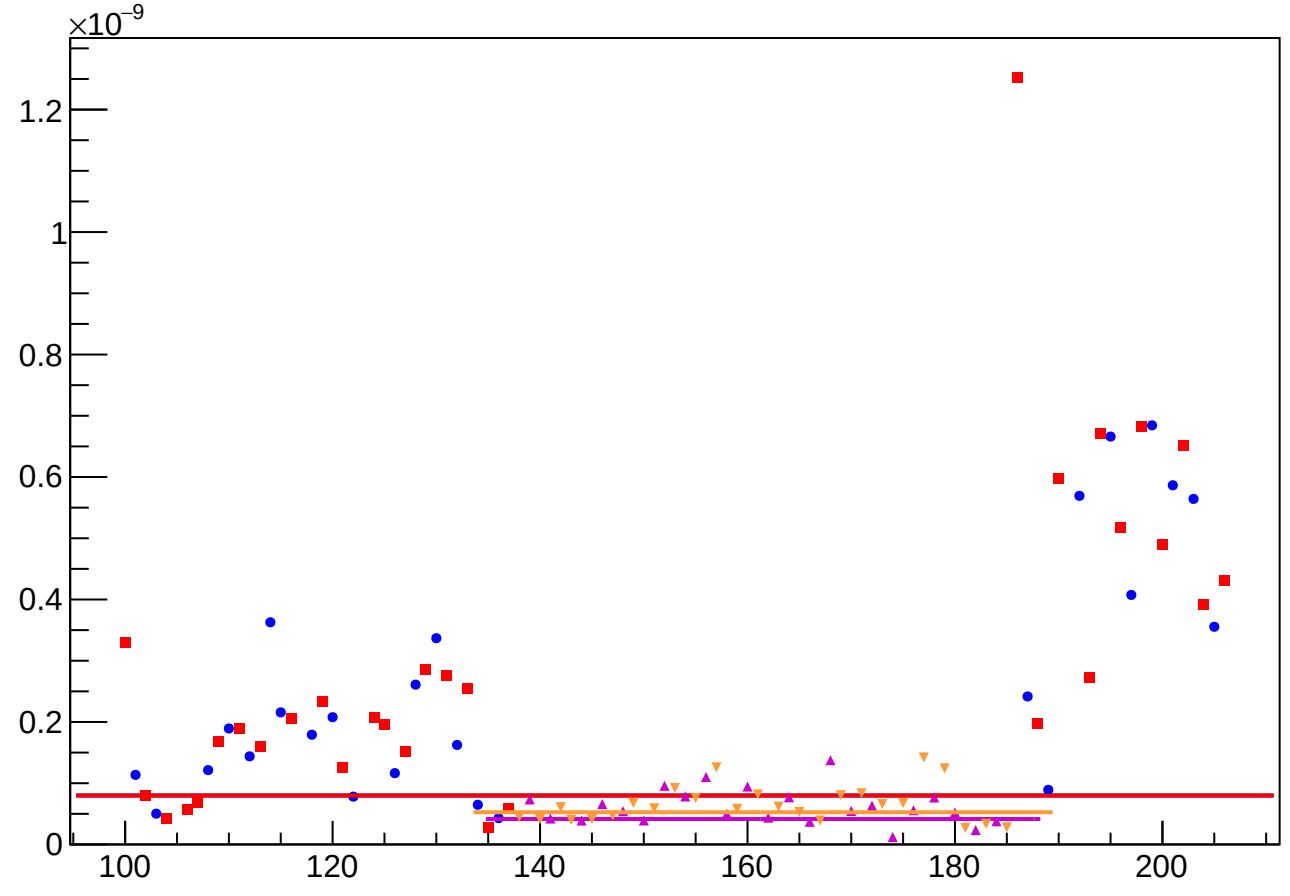
Right Out: 0.000+/-0.000 χ^2/NDF: 35.6/29

Left In: 0.000+/-0.000 χ^2/NDF:12.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.4/49

All: 0.000+/-0.000 χ^2/NDF: 101.9/102

- sign 0.000+/-0.000 χ^2/NDF: 48.5/52



Right In: 0.000+/-0.000 χ^2/NDF: 5602394.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1611629.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7589810.3/29

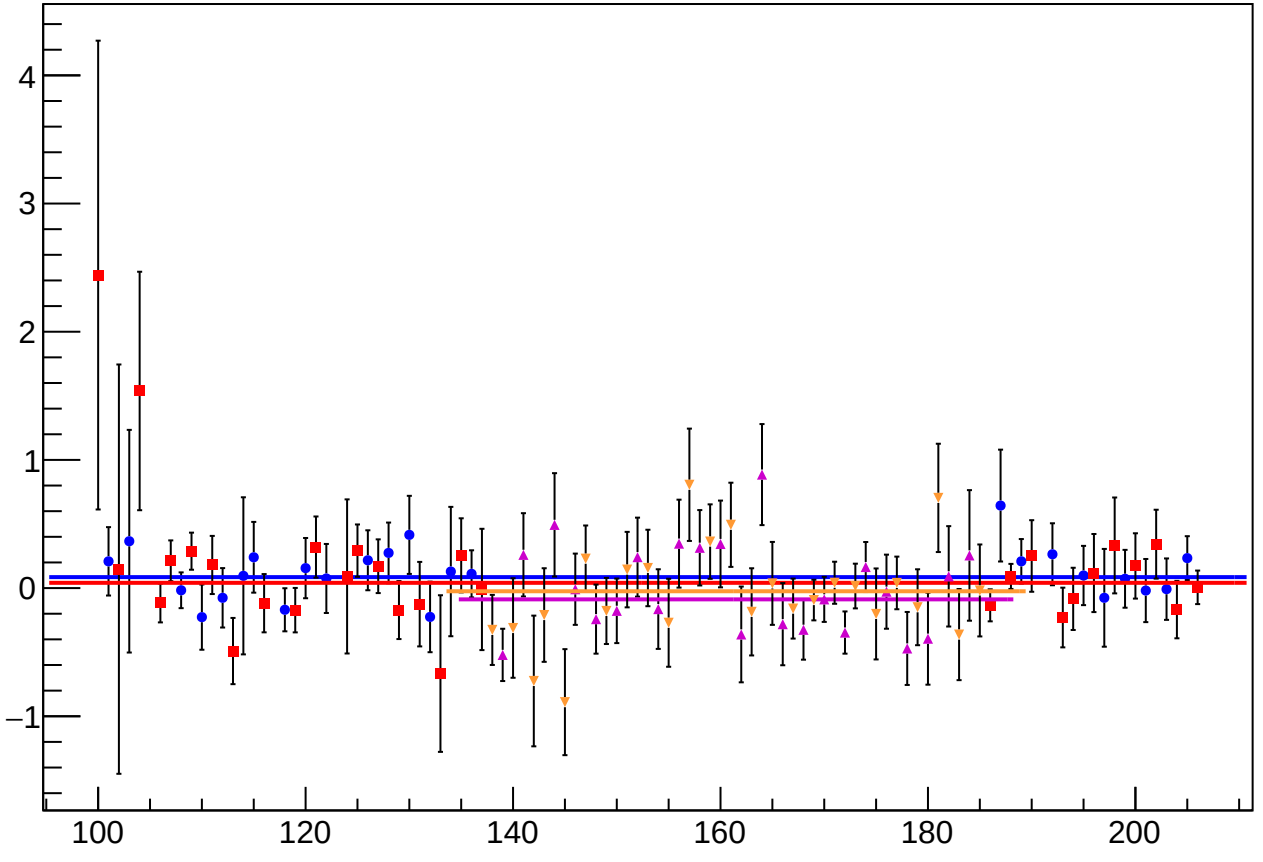
Left In: 0.000+/-0.000 χ^2/NDF:2939628.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7766617.1/49

All: 0.000+/-0.000 χ^2/NDF: 19675535.4/102

- sign 0.000+/-0.000 χ^2/NDF: 11611606.7/52

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.086+/-0.047 χ^2/NDF: 12.9/24

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

Right Out: 0.041+/-0.038 χ^2/NDF: 30.0/29

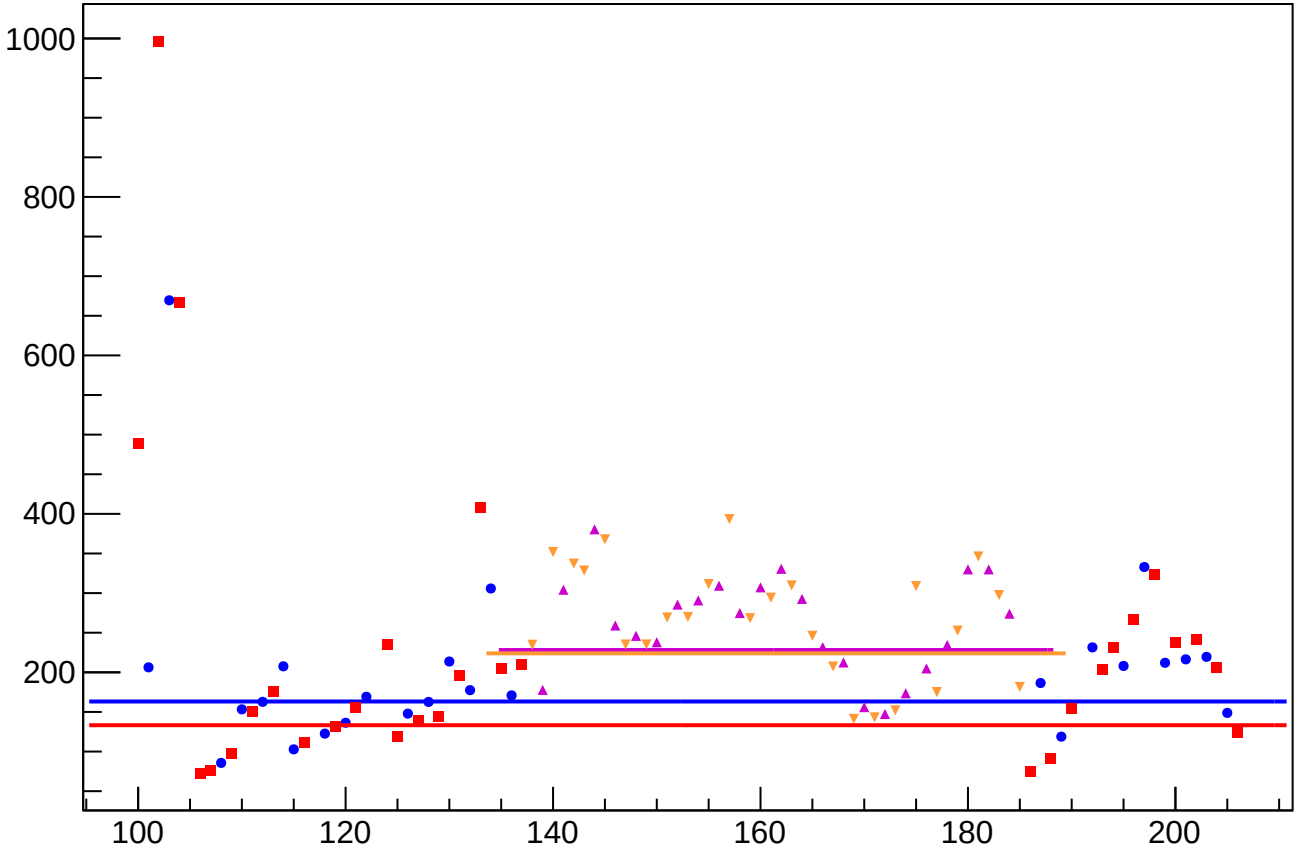
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.038+/-0.036 χ^2/NDF: 39.3/49

All: 0.017+/-0.024 χ^2/NDF: 103.5/102

- sign 0.000+/-0.032 χ^2/NDF: 63.5/52

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs Slug



Right In: 163.190+/-0.033 χ^2/NDF: 2913025.8/24

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

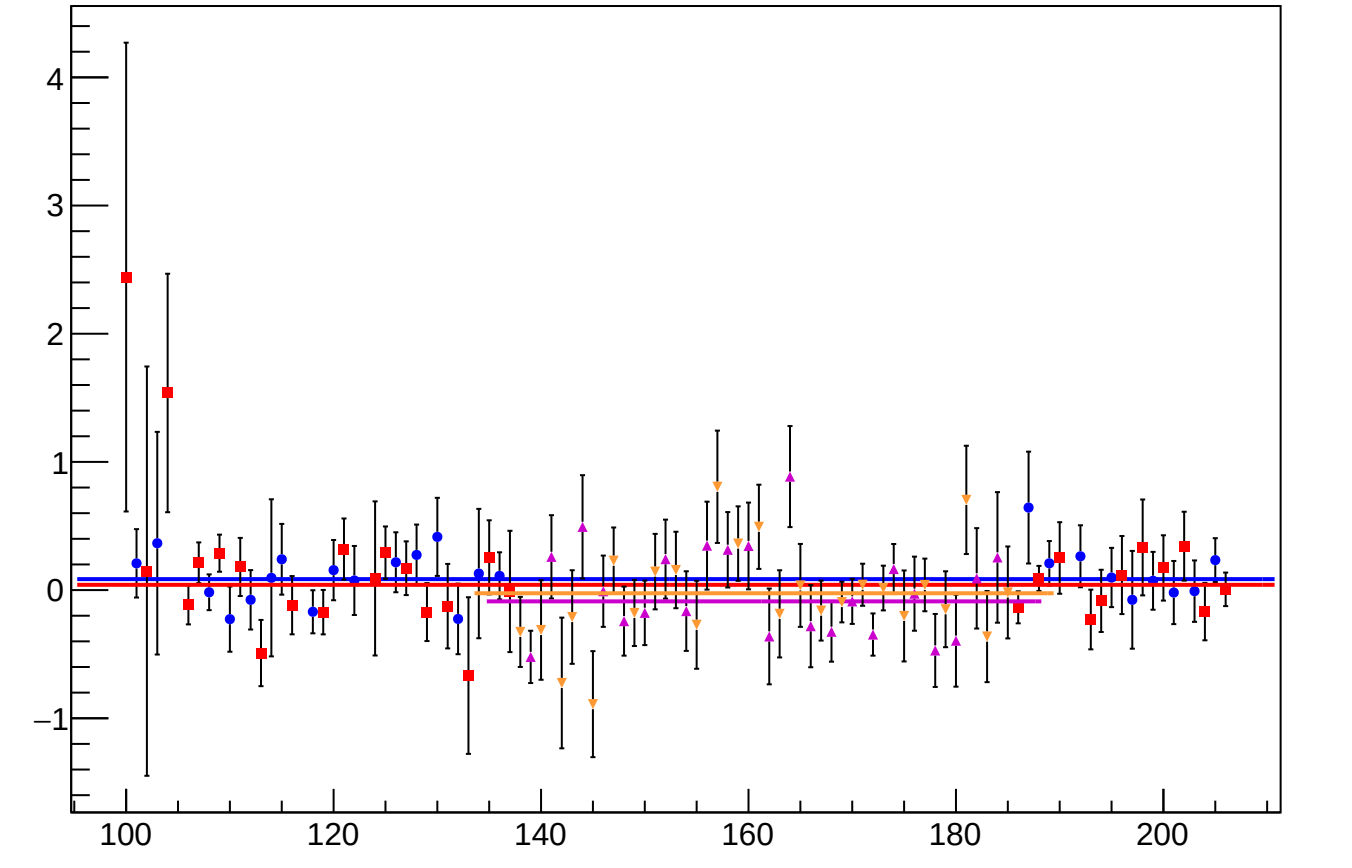
Right Out: 133.248+/-0.027 χ^2/NDF: 5979798.7/29

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.256+/-0.025 χ^2/NDF: 7765370.2/49

All: 174.687+/-0.017 χ^2/NDF: 20675740.9/10

- sign 163.166+/-0.022 χ^2/NDF: 12315973.3/52



Right In: 0.086+/-0.047 χ^2/NDF: 12.9/24

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

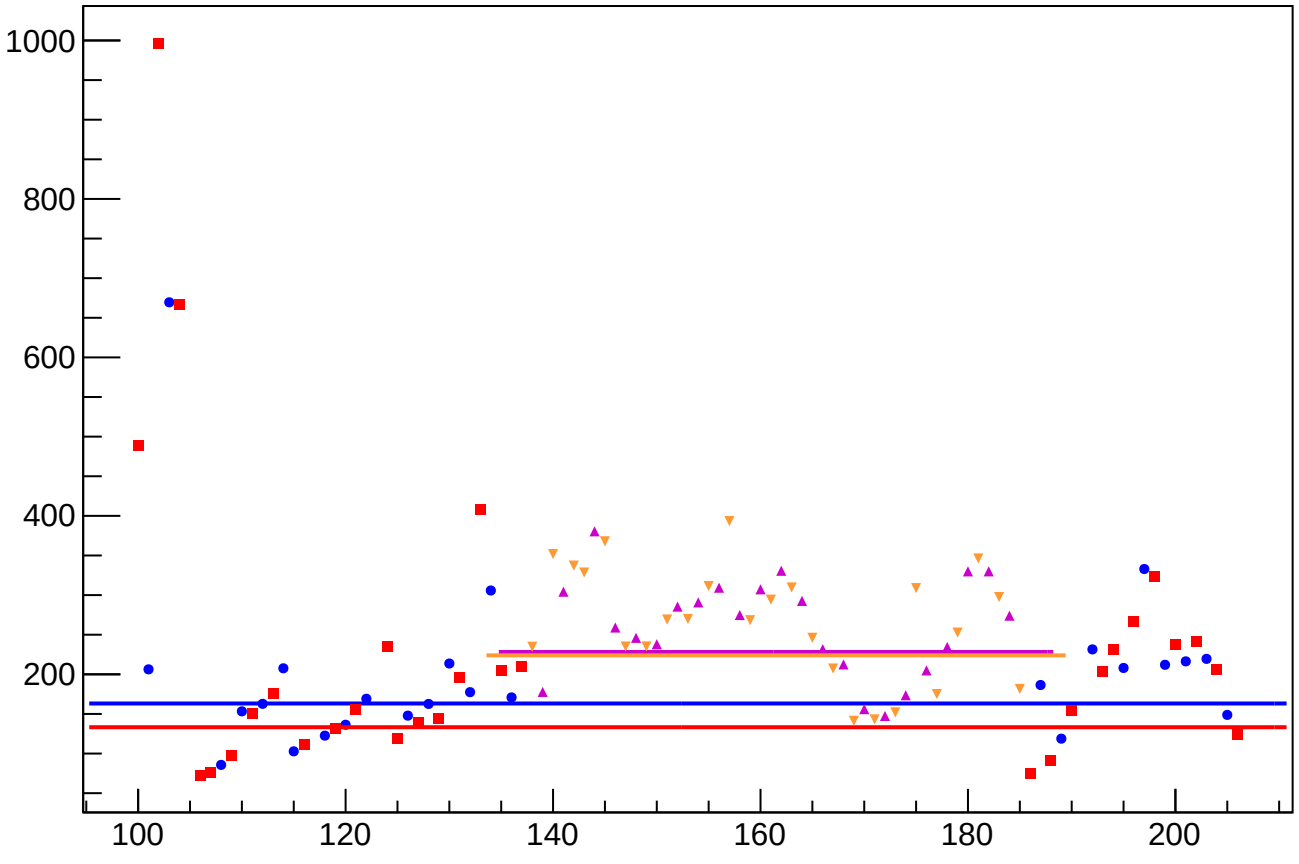
Right Out: 0.041+/-0.038 χ^2/NDF: 30.0/29

Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.038+/-0.036 χ^2/NDF: 39.3/49

All: 0.017+/-0.024 χ^2/NDF: 103.5/102

- sign 0.000+/-0.032 χ^2/NDF: 63.5/52



Right In: 163.190+/-0.033 χ^2/NDF: 2913025.8/24

Left Out: 223.945+/-0.039 χ^2/NDF:3438444.8/24

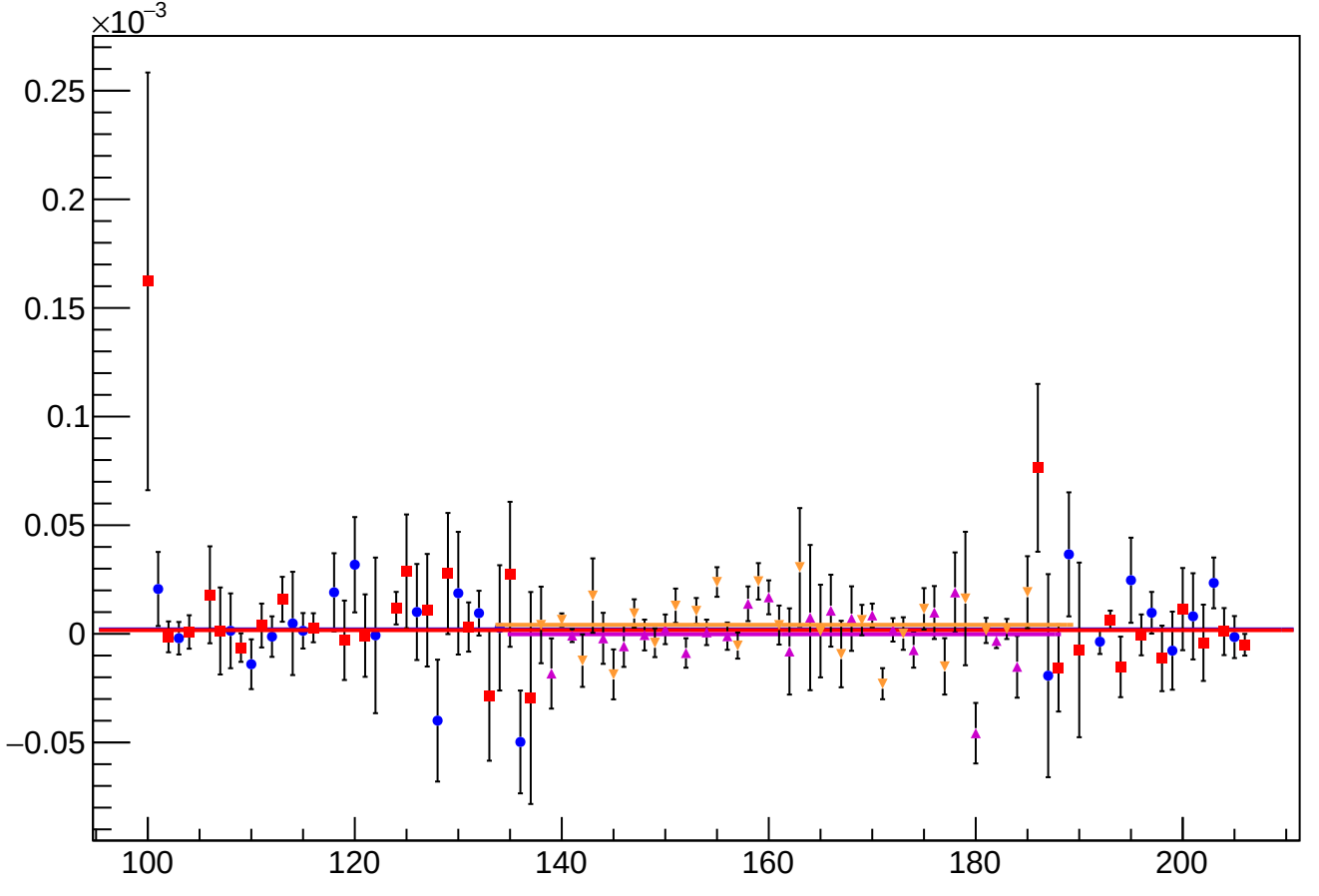
Right Out: 133.248+/-0.027 χ^2/NDF: 5979798.7/29

Left In: 228.199+/-0.040 χ^2/NDF:2488915.3/22

+ sign 189.256+/-0.025 χ^2/NDF: 7765370.2/49

All: 174.687+/-0.017 χ^2/NDF: 20675740.9/10

- sign 163.166+/-0.022 χ^2/NDF: 12315973.3/52



Right In: 0.000+/-0.000 χ^2/NDF: 22.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:48.8/24

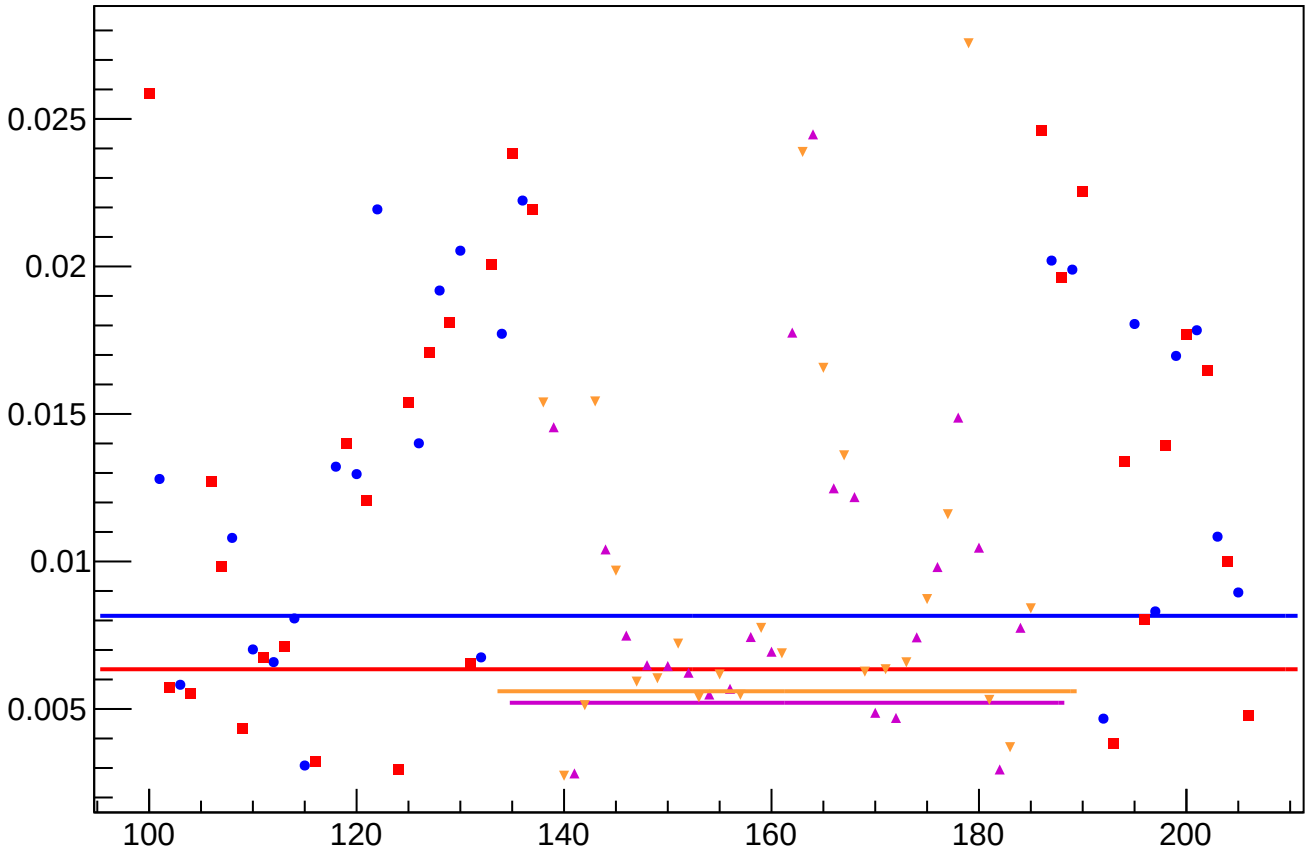
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/29

Left In: -0.000+/-0.000 χ^2/NDF:30.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 72.2/49

All: 0.000+/-0.000 χ^2/NDF: 129.3/102

- sign 0.000+/-0.000 χ^2/NDF: 53.7/52



Right In: 0.008+/-0.000 χ^2/NDF: 6400233.1/24

Left Out: 0.006+/-0.000 χ^2/NDF:7769287.5/24

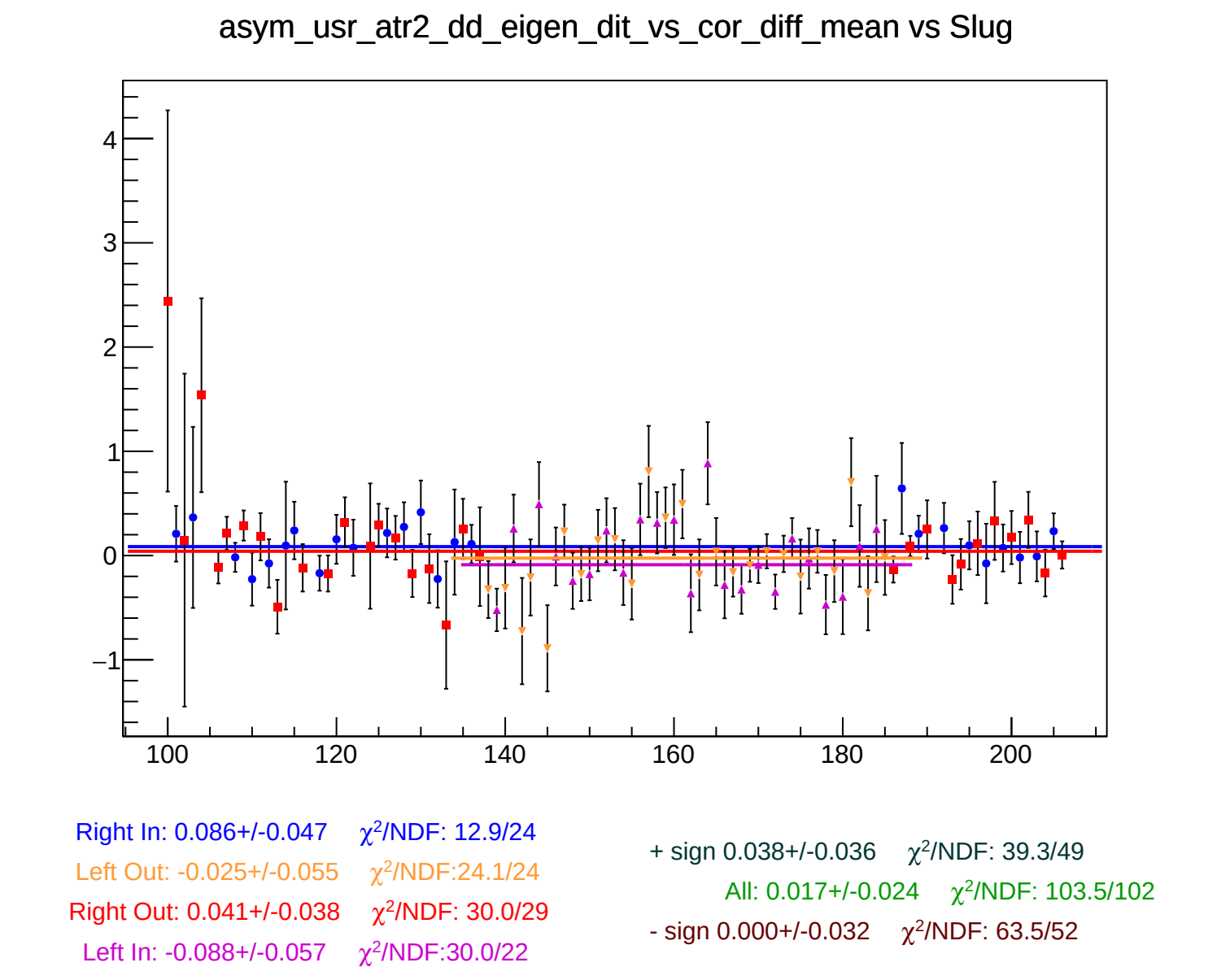
Right Out: 0.006+/-0.000 χ^2/NDF: 9231283.0/29

Left In: 0.005+/-0.000 χ^2/NDF:7460452.2/22

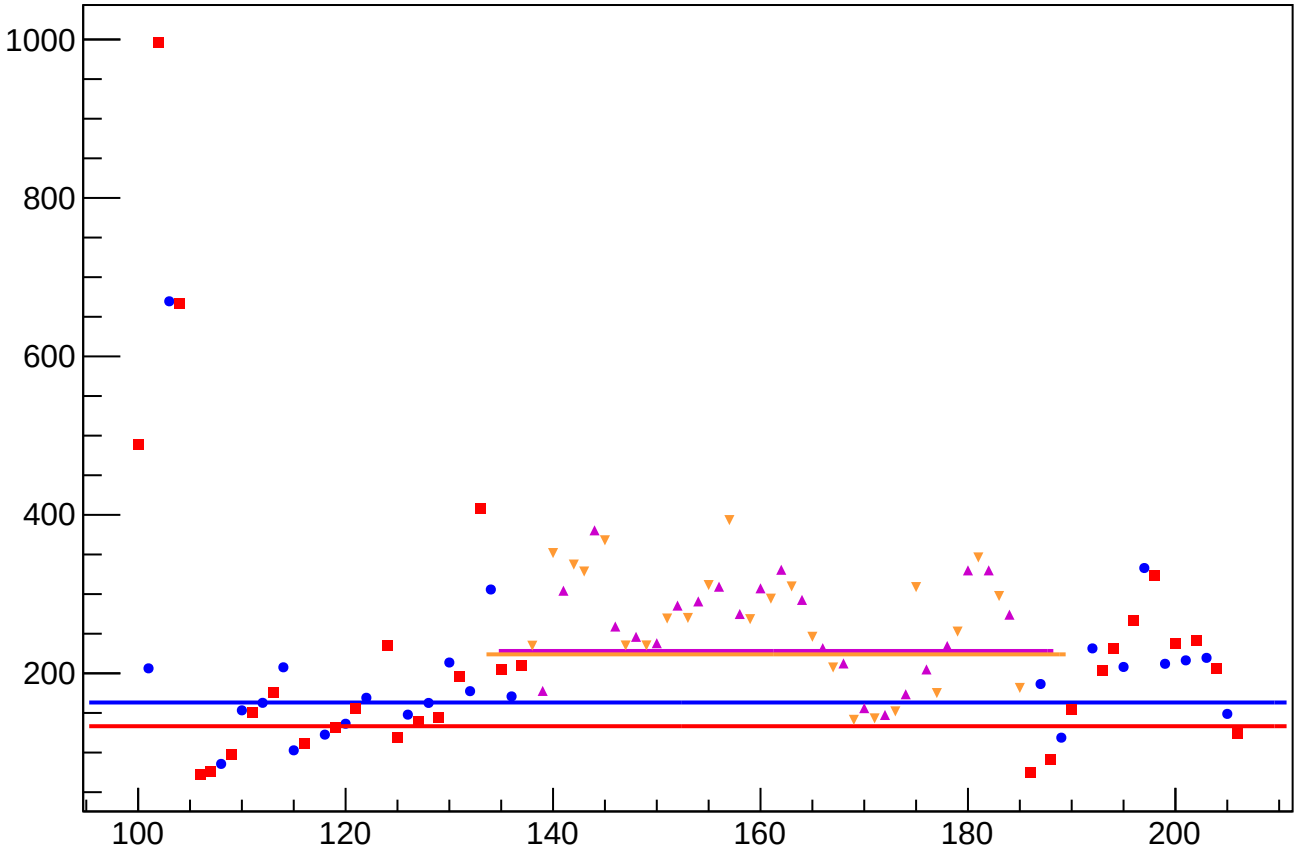
+ sign 0.006+/-0.000 χ^2/NDF: 15676524.5/49

All: 0.006+/-0.000 χ^2/NDF: 33080930.3/102

- sign 0.006+/-0.000 χ^2/NDF: 17145451.1/52


asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 0.086+/-0.047 χ²/NDF: 12.9/24
Left Out: -0.025+/-0.055 χ²/NDF:24.1/24
Right Out: 0.041+/-0.038 χ²/NDF: 30.0/29
Left In: -0.088+/-0.057 χ²/NDF:30.0/22
+ sign 0.038+/-0.036 χ²/NDF: 39.3/49
All: 0.017+/-0.024 χ²/NDF: 103.5/102
- sign 0.000+/-0.032 χ²/NDF: 63.5/52

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 163.187+/-0.033 χ^2/NDF: 2913222.0/24

Left Out: 223.946+/-0.039 χ^2/NDF:3438541.7/24

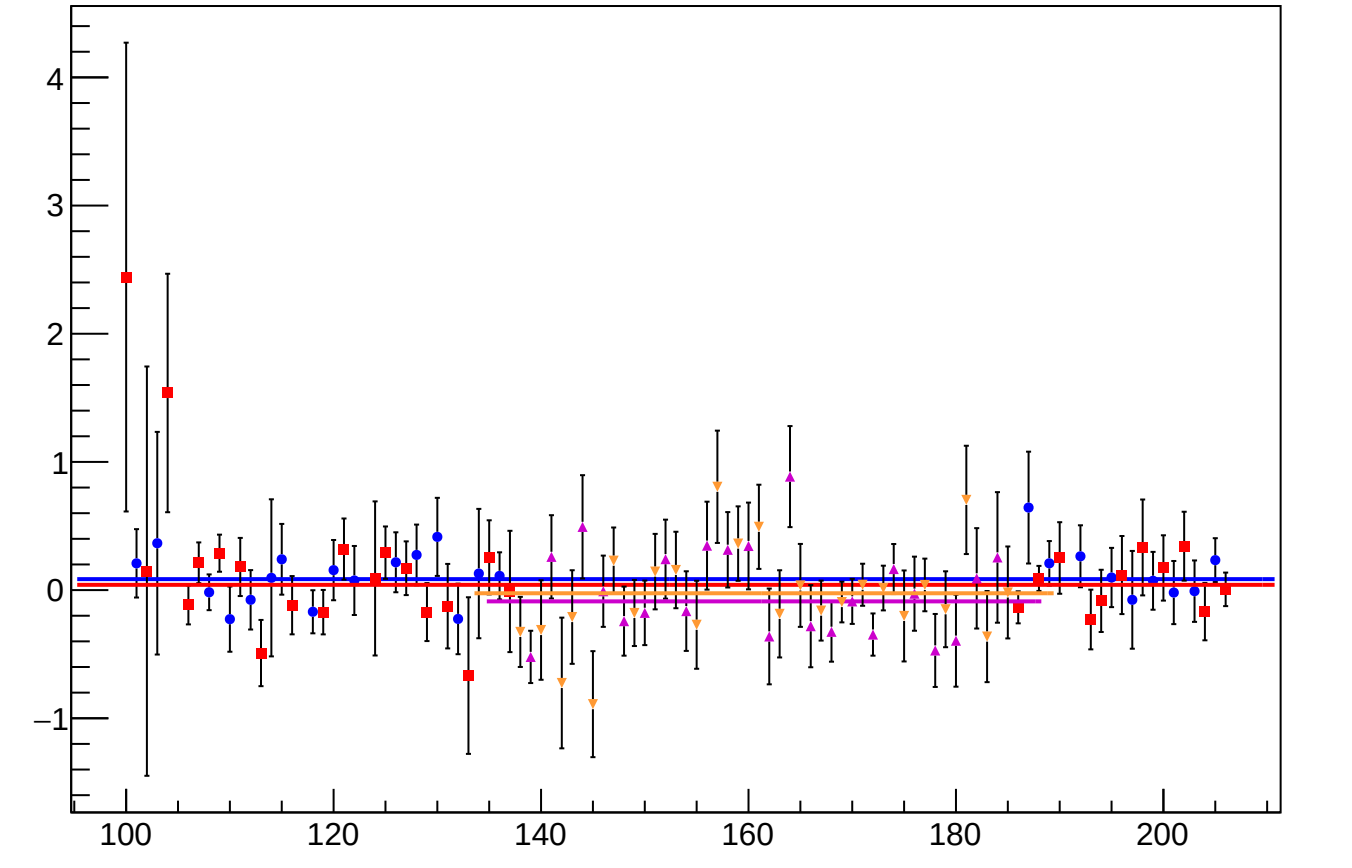
Right Out: 133.253+/-0.027 χ^2/NDF: 5979317.5/29

Left In: 228.201+/-0.040 χ^2/NDF:2488951.6/22

+ sign 189.254+/-0.025 χ^2/NDF: 7765879.0/49

All: 174.689+/-0.017 χ^2/NDF: 20675201.0/10

- sign 163.170+/-0.022 χ^2/NDF: 12315206.7/52



Right In: 0.086+/-0.047 χ^2/NDF: 12.9/24

Left Out: -0.025+/-0.055 χ^2/NDF:24.1/24

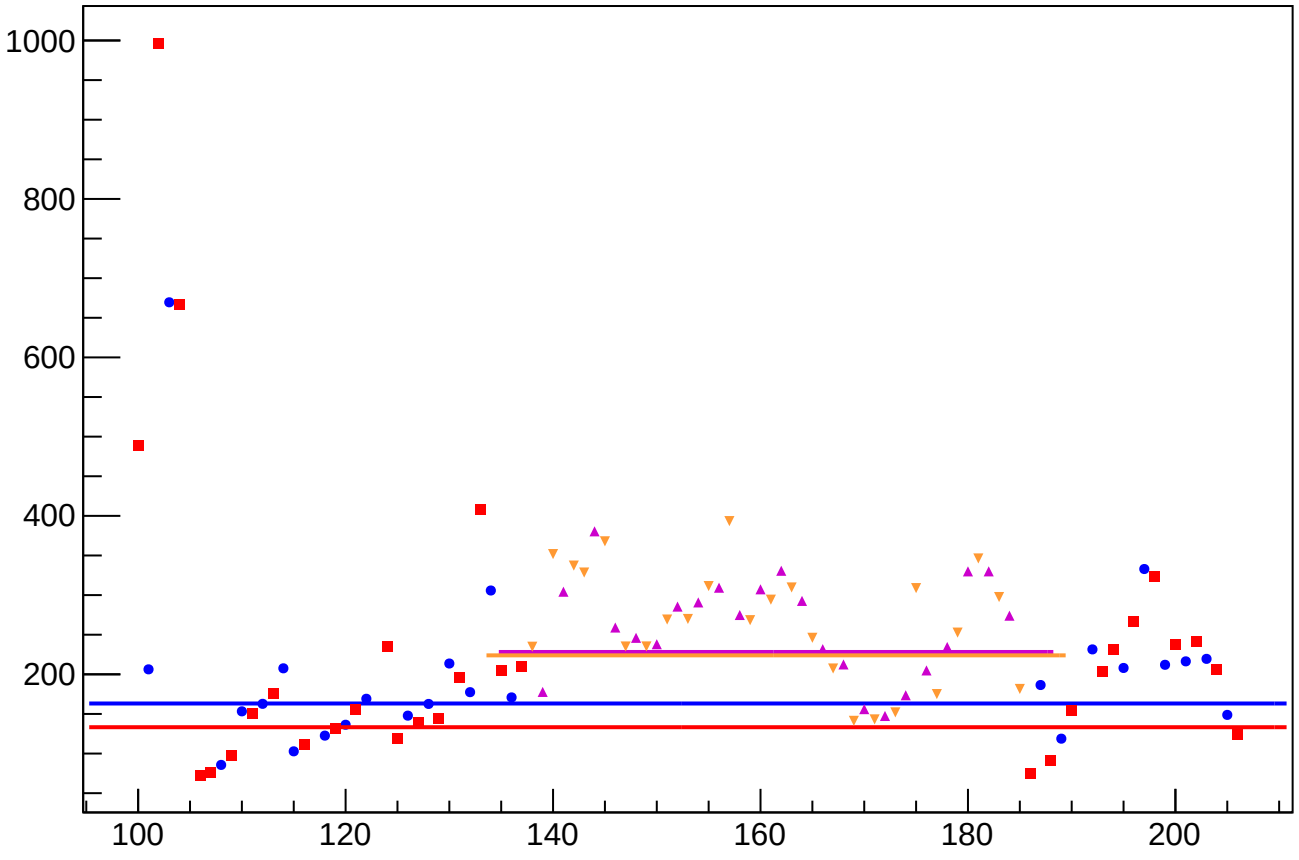
Right Out: 0.041+/-0.038 χ^2/NDF: 30.0/29

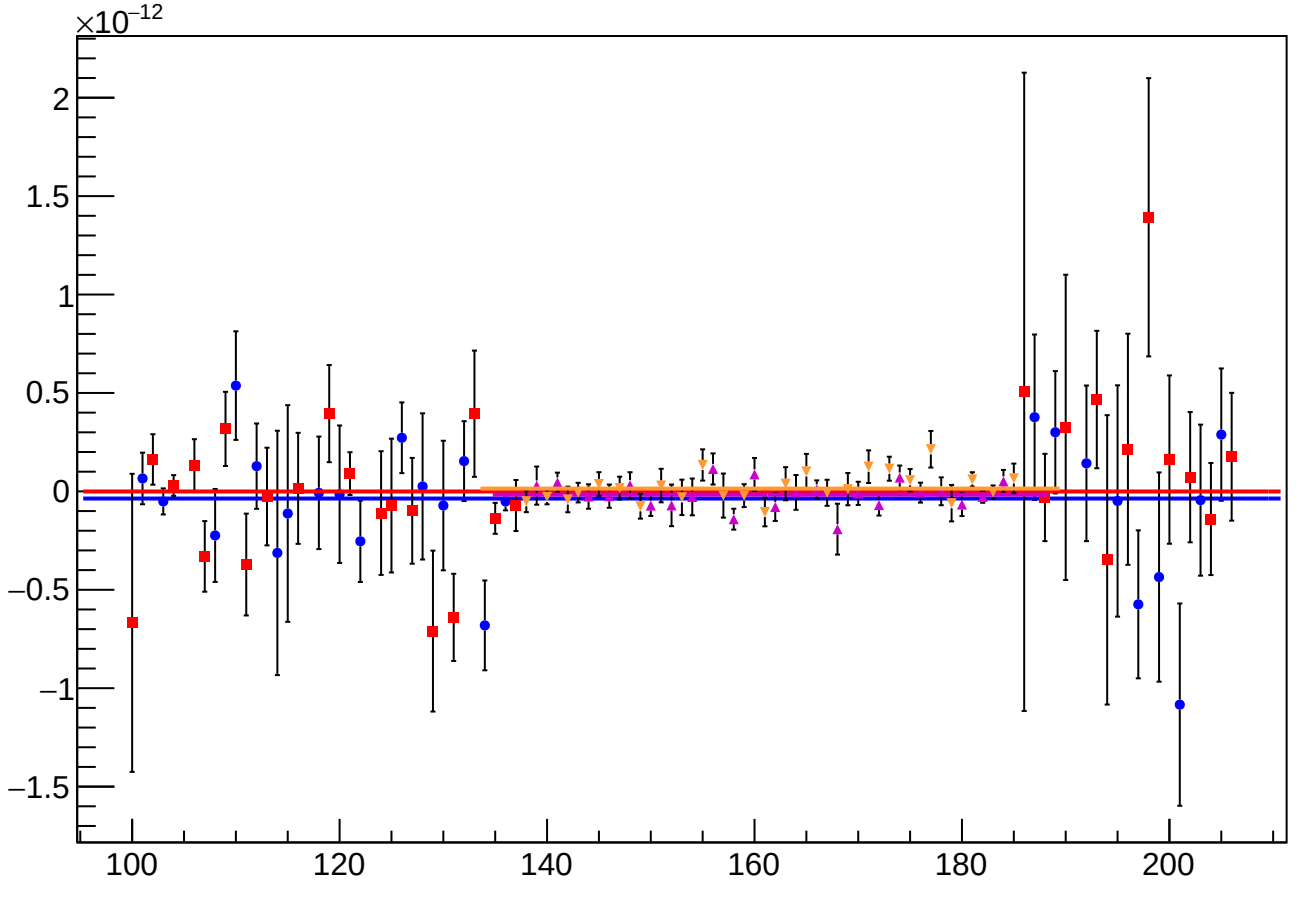
Left In: -0.088+/-0.057 χ^2/NDF:30.0/22

+ sign 0.038+/-0.036 χ^2/NDF: 39.3/49

All: 0.017+/-0.024 χ^2/NDF: 103.5/102

- sign 0.000+/-0.032 χ^2/NDF: 63.5/52


asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1000
800
600
400
200
100
120
140
160
180
200
Right In: 163.187+/-0.033 χ²/NDF: 2913222.0/24
Left Out: 223.946+/-0.039 χ²/NDF:3438541.7/24
Right Out: 133.253+/-0.027 χ²/NDF: 5979317.5/29
Left In: 228.201+/-0.040 χ²/NDF:2488951.6/22
+ sign 189.254+/-0.025 χ²/NDF: 7765879.0/49
All: 174.689+/-0.017 χ²/NDF: 20675201.0/10
- sign 163.170+/-0.022 χ²/NDF: 12315206.7/52



Right In: -0.000+/-0.000 χ^2/NDF: 29.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.3/24

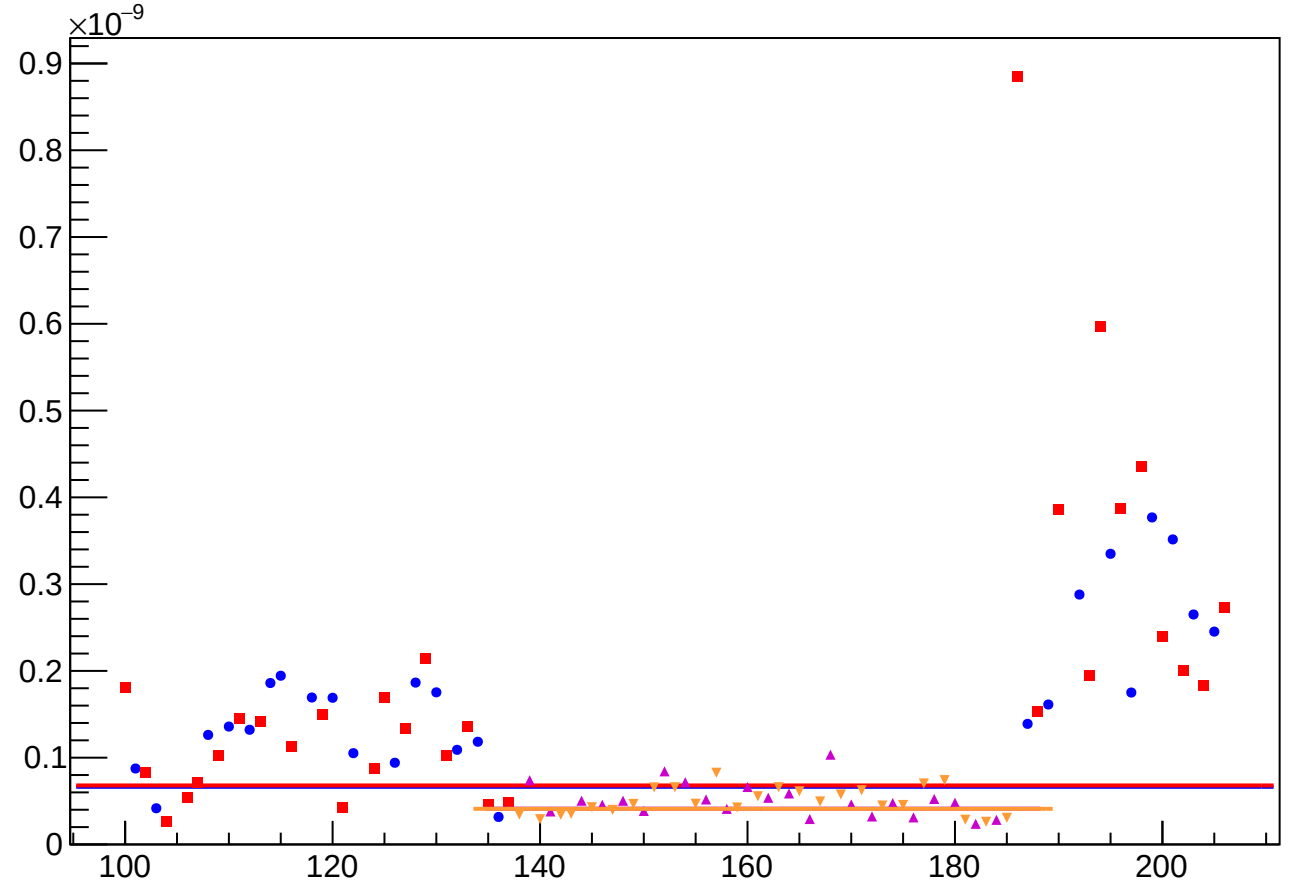
Right Out: -0.000+/-0.000 χ^2/NDF: 38.9/29

Left In: -0.000+/-0.000 χ^2/NDF:21.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 57.1/49

All: -0.000+/-0.000 χ^2/NDF: 119.9/102

- sign -0.000+/-0.000 χ^2/NDF: 60.9/52



Right In: 0.000+/-0.000 χ^2/NDF: 7156406.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2644306.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8356540.5/29

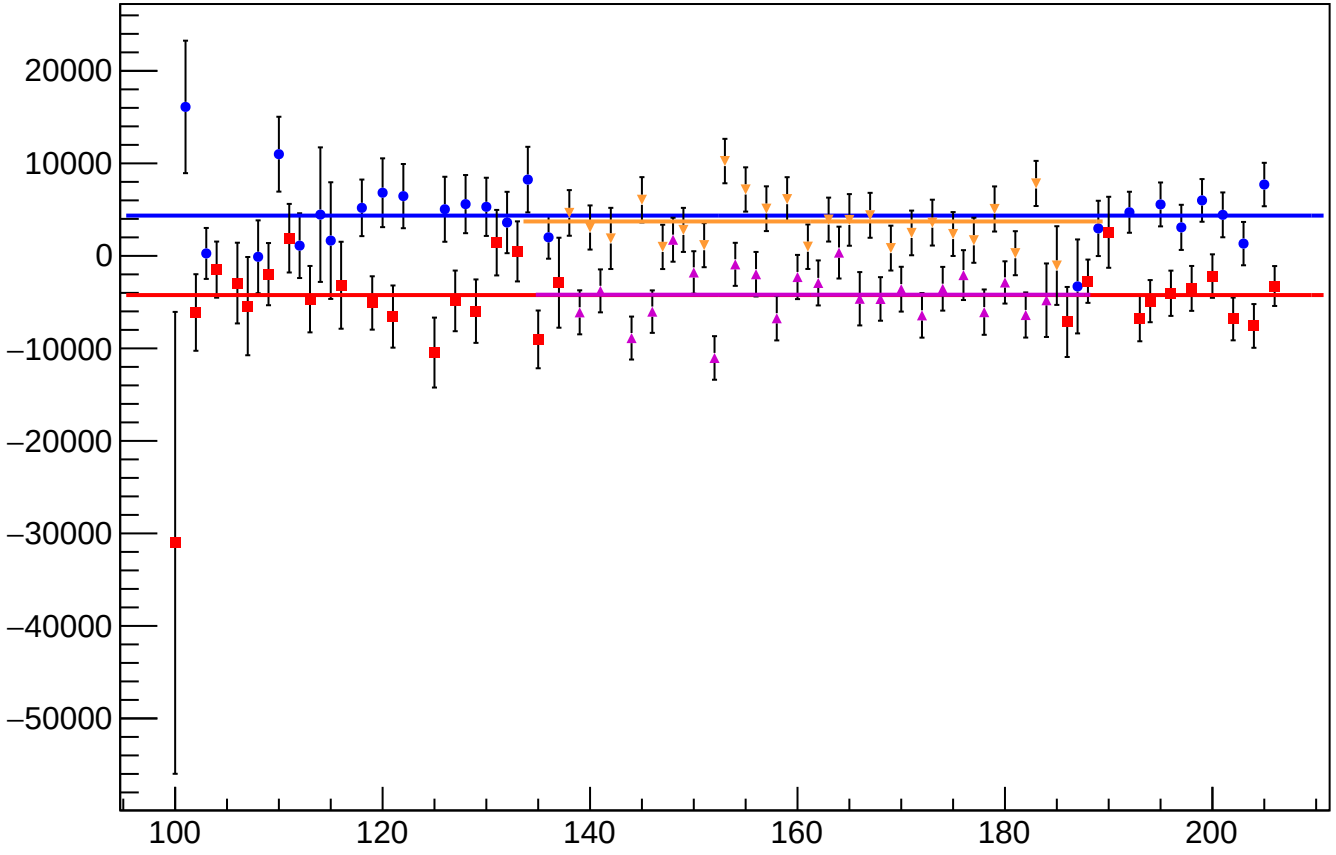
Left In: 0.000+/-0.000 χ^2/NDF:2852113.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10947235.9/49

All: 0.000+/-0.000 χ^2/NDF: 23455707.9/102

- sign 0.000+/-0.000 χ^2/NDF: 12505947.1/52

reg_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4355.414+/-605.523 χ^2/NDF: 20.6/24

Left Out: 3723.486+/-507.155 χ^2/NDF:25.4/23

Right Out: -4235.575+/-568.713 χ^2/NDF: 25.8/28

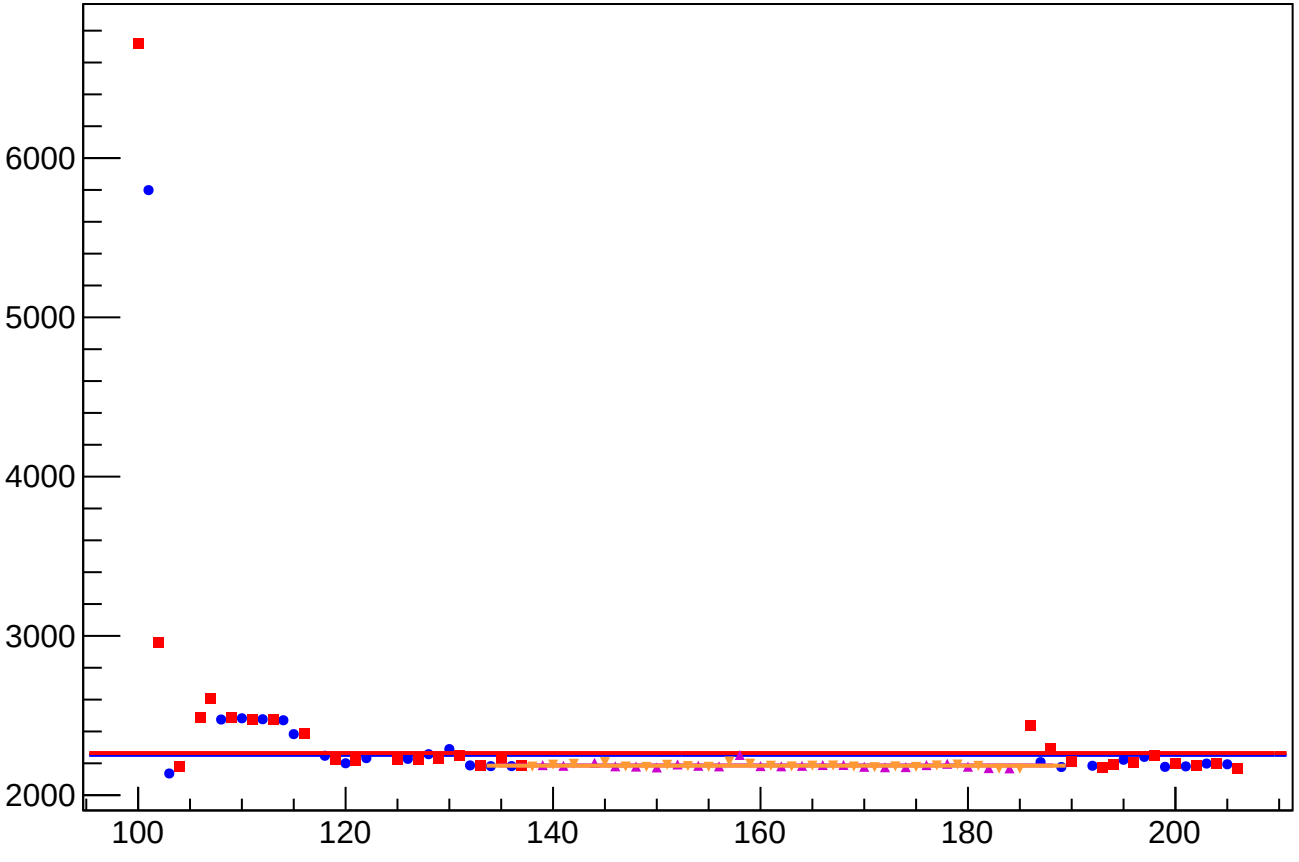
Left In: -4195.942+/-510.578 χ^2/NDF:32.1/22

+ sign 3984.017+/-388.800 χ^2/NDF: 46.7/48

All: -209.393+/-271.733 χ^2/NDF: 332.0/100

- sign -4213.630+/-379.929 χ^2/NDF: 57.9/51

reg_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2252.995+/-0.428 χ^2/NDF: 531909.4/24

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

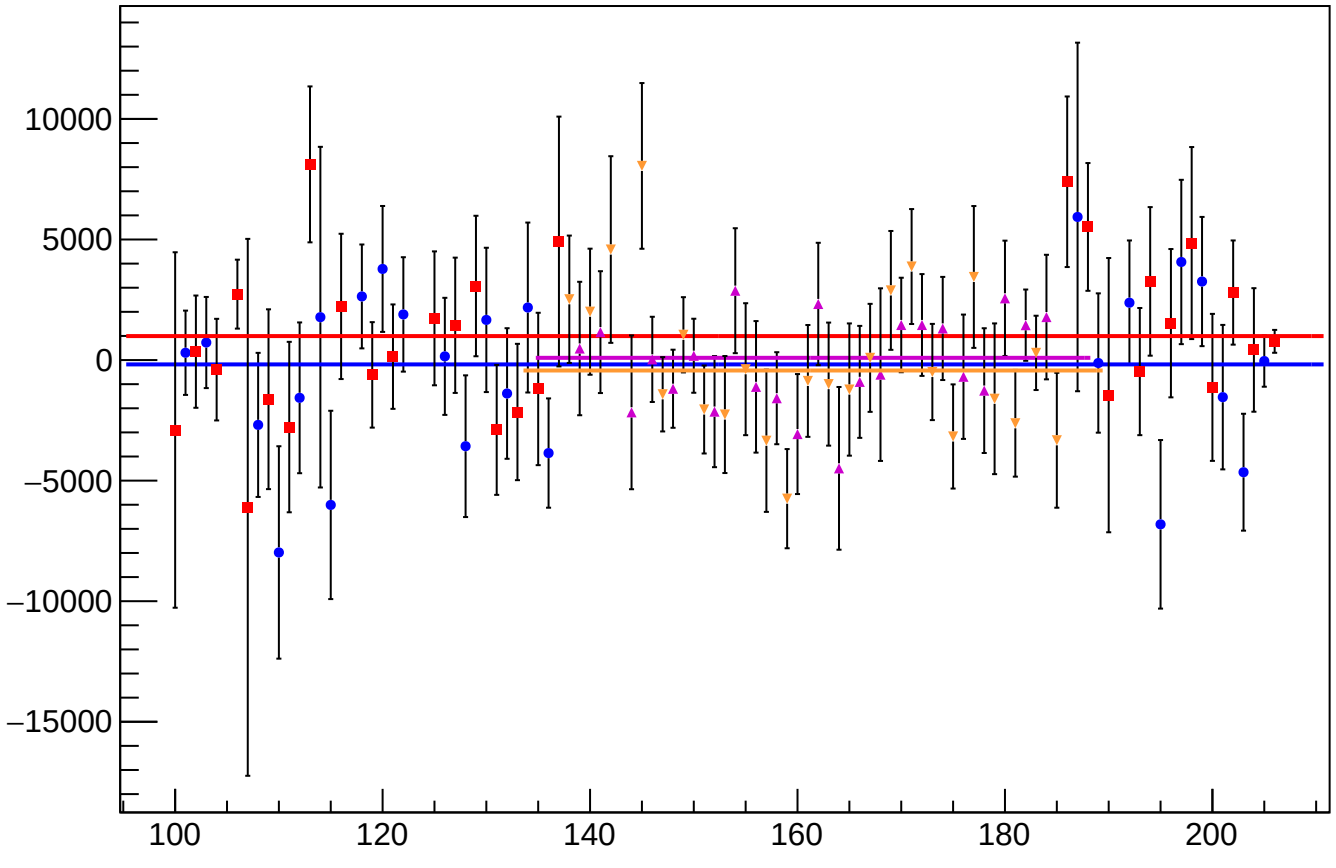
Right Out: 2264.487+/-0.402 χ^2/NDF: 182497.0/28

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2213.111+/-0.275 χ^2/NDF: 547488.4/48

All: 2217.372+/-0.192 χ^2/NDF: 753212.5/100

- sign 2221.441+/-0.269 χ^2/NDF: 205254.4/51



Right In: -180.019+/-495.867 χ^2/NDF: 28.6/24

Left Out: -432.286+/-462.383 χ^2/NDF:31.3/23

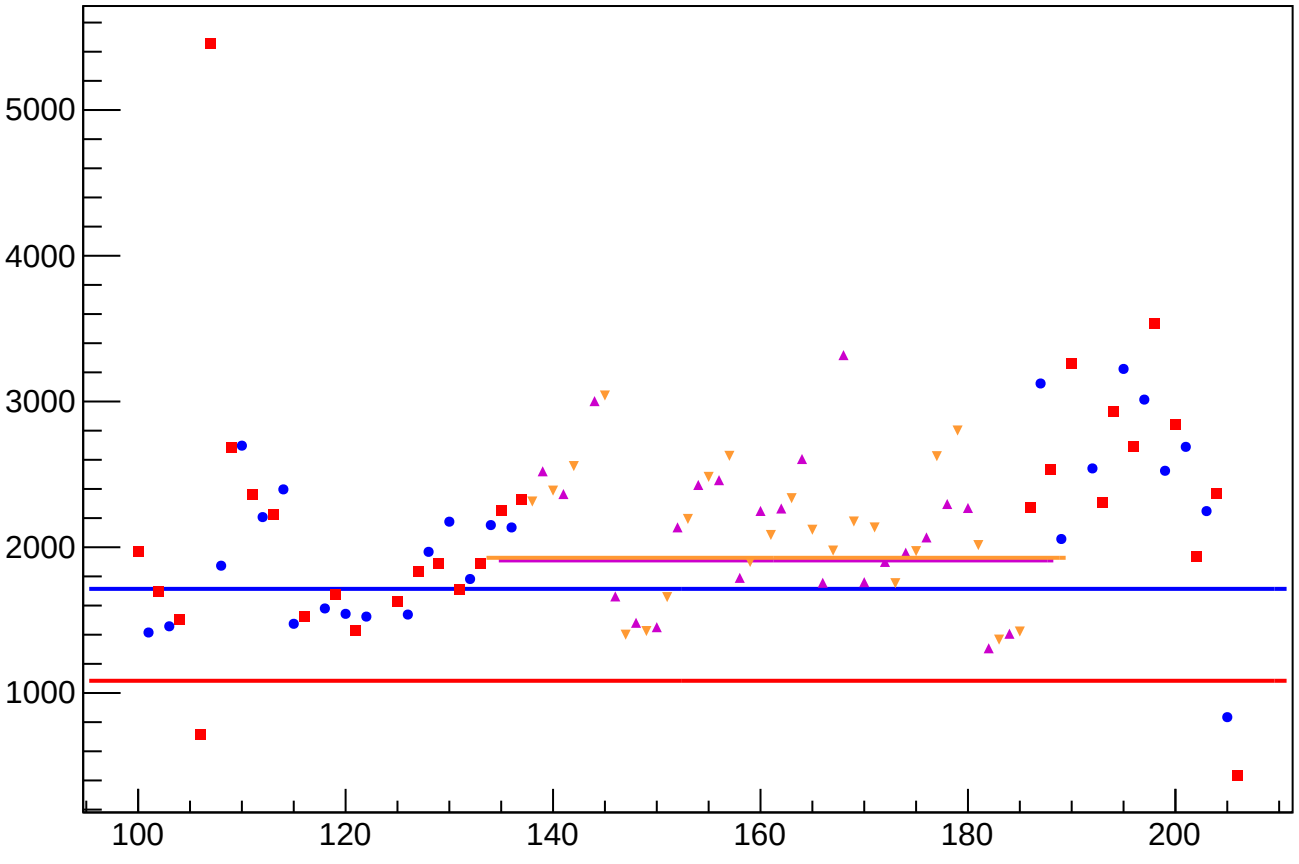
Right Out: 994.343+/-351.998 χ^2/NDF: 24.7/28

Left In: 92.649+/-460.669 χ^2/NDF:12.8/22

+ sign -314.957+/-338.173 χ^2/NDF: 60.0/48

All: 265.139+/-215.529 χ^2/NDF: 104.8/100

- sign 661.954+/-279.694 χ^2/NDF: 39.8/51



Right In: 1714.463+/-0.351 χ^2/NDF: 3310151.0/24

Left Out: 1927.660+/-0.327 χ^2/NDF:1798383.1/23

Right Out: 1083.832+/-0.249 χ^2/NDF: 11676056.4/28

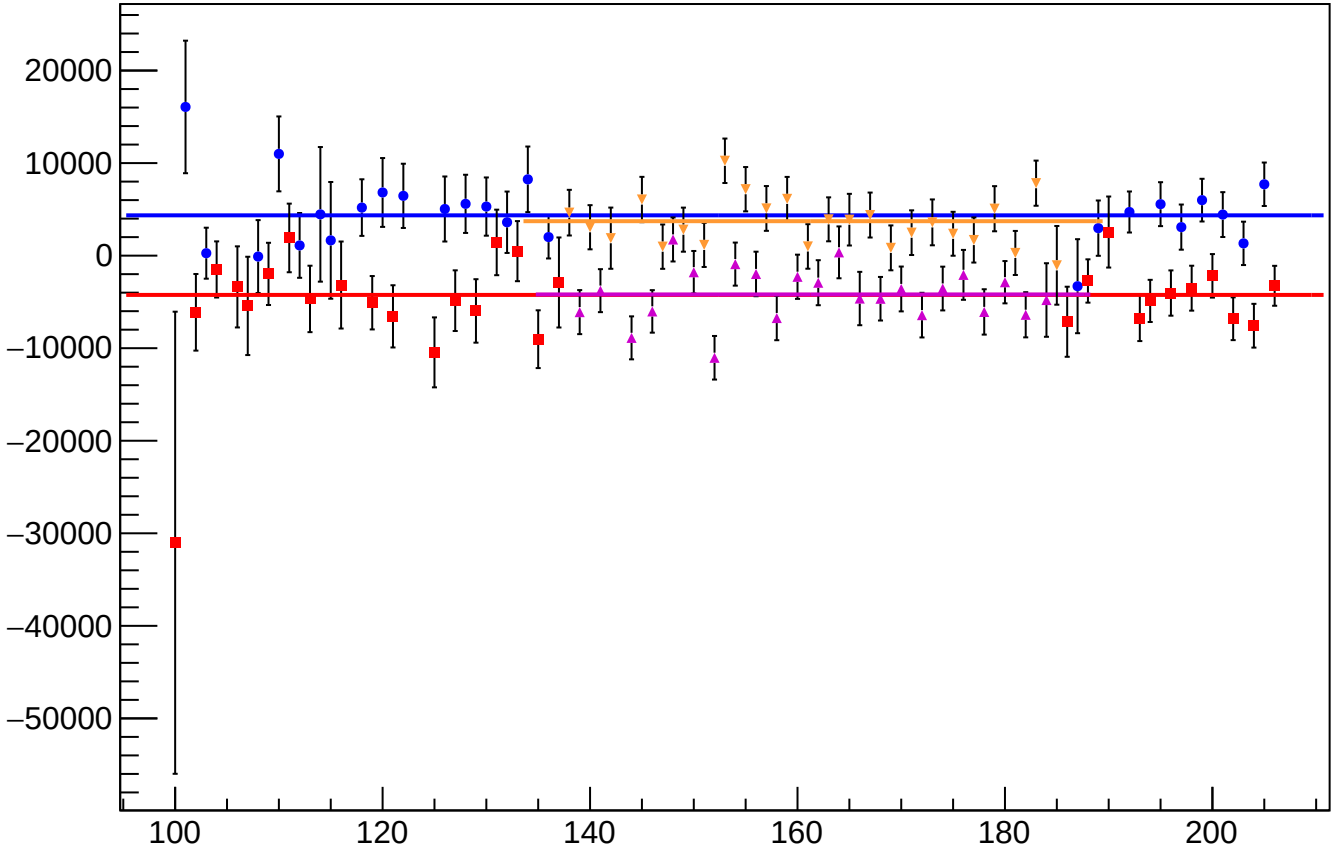
Left In: 1909.612+/-0.326 χ^2/NDF:1942264.8/22

+ sign 1828.502+/-0.239 χ^2/NDF: 5306293.7/48

All: 1567.070+/-0.152 χ^2/NDF: 24995116.4/1

- sign 1388.237+/-0.198 χ^2/NDF: 17675904.3/51

cor_asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4355.178+/-605.523 χ^2/NDF: 20.6/24

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

Right Out: -4243.325+/-568.755 χ^2/NDF: 25.7/28

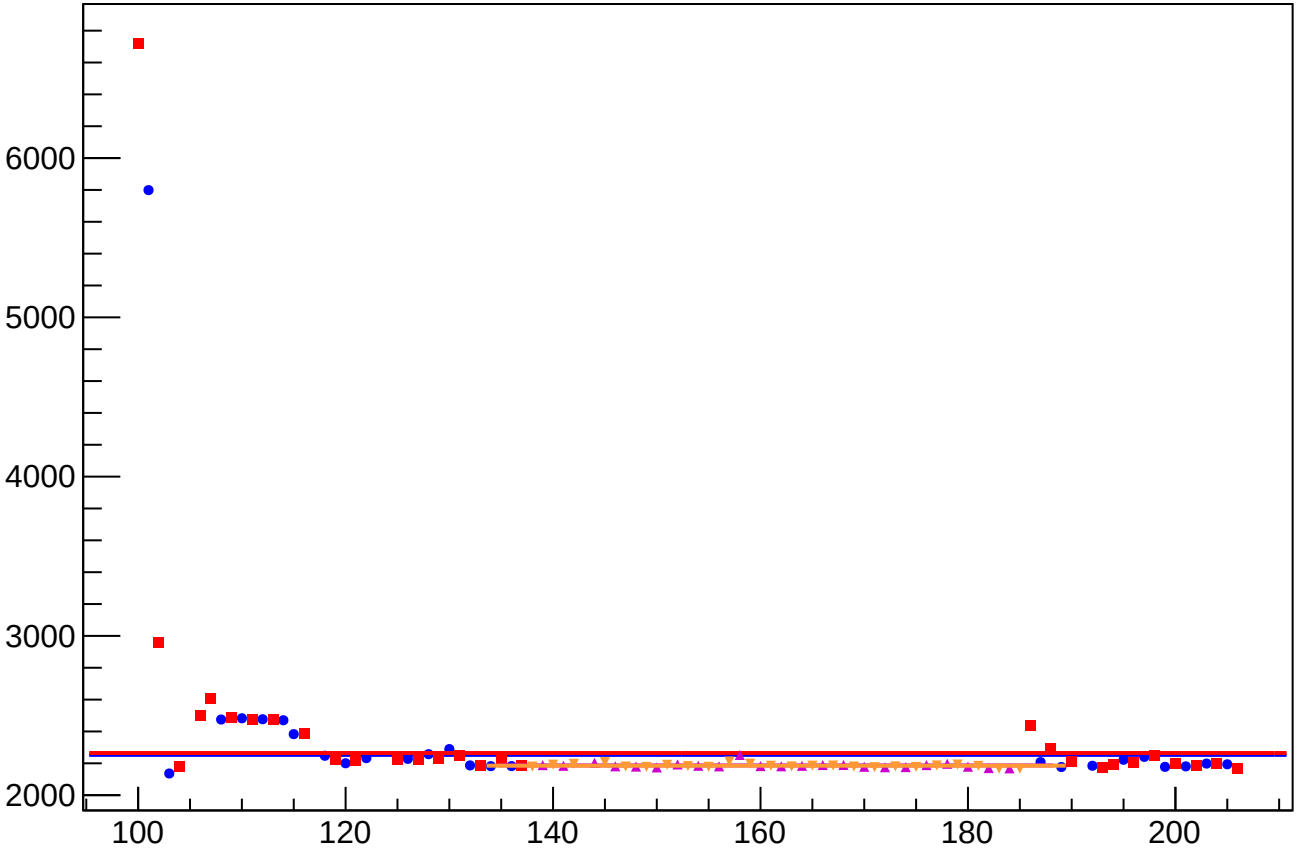
Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3983.888+/-388.800 χ^2/NDF: 46.7/48

All: -211.123+/-271.737 χ^2/NDF: 332.1/100

- sign -4217.152+/-379.942 χ^2/NDF: 57.9/51

cor_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2252.995+/-0.428 χ^2/NDF: 531909.8/24

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

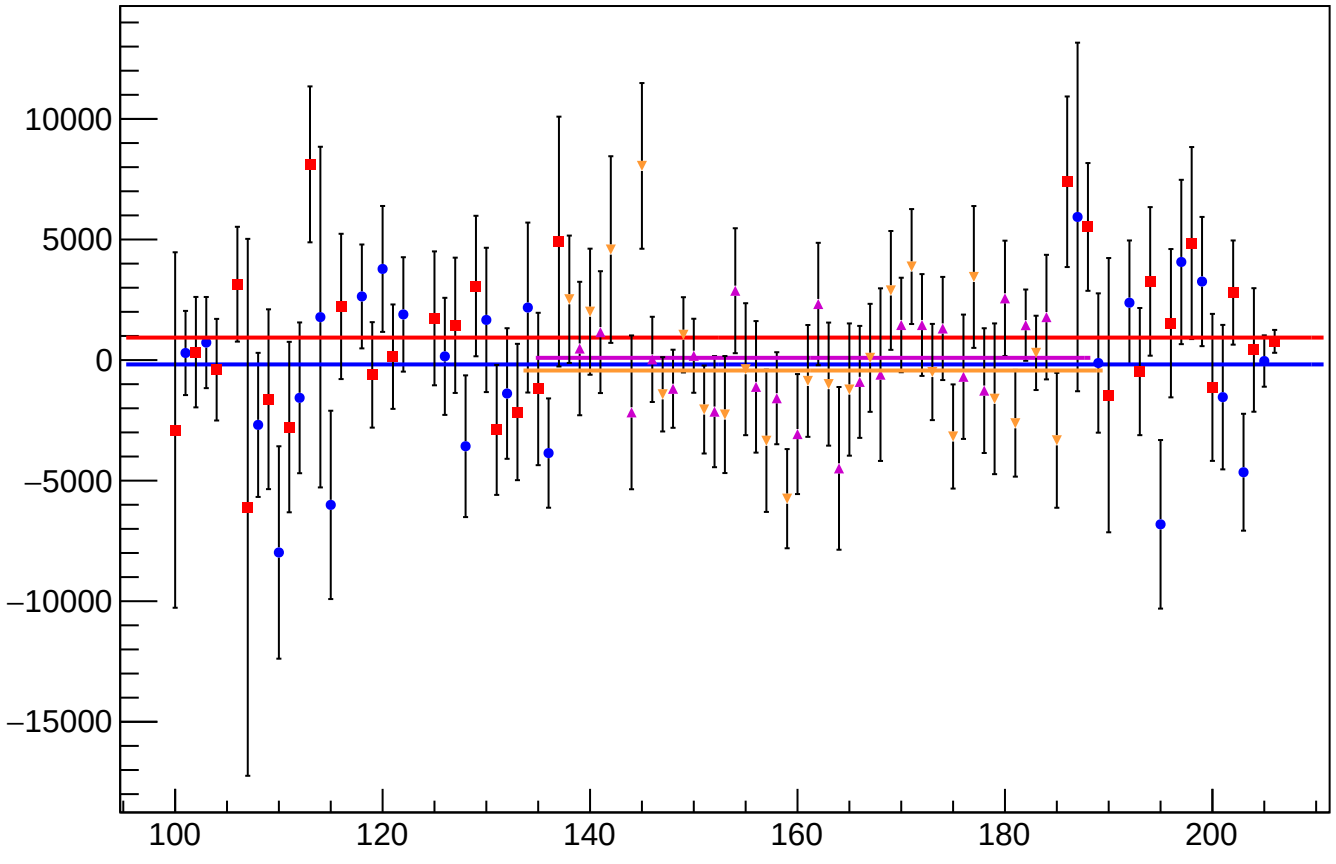
Right Out: 2264.635+/-0.402 χ^2/NDF: 182967.2/28

Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2213.111+/-0.275 χ^2/NDF: 547488.8/48

All: 2217.404+/-0.192 χ^2/NDF: 753767.2/100

- sign 2221.504+/-0.269 χ^2/NDF: 205801.7/51



Right In: -180.473+/-495.813 χ^2/NDF: 28.5/24

Left Out: -432.320+/-462.383 χ^2/NDF:31.3/23

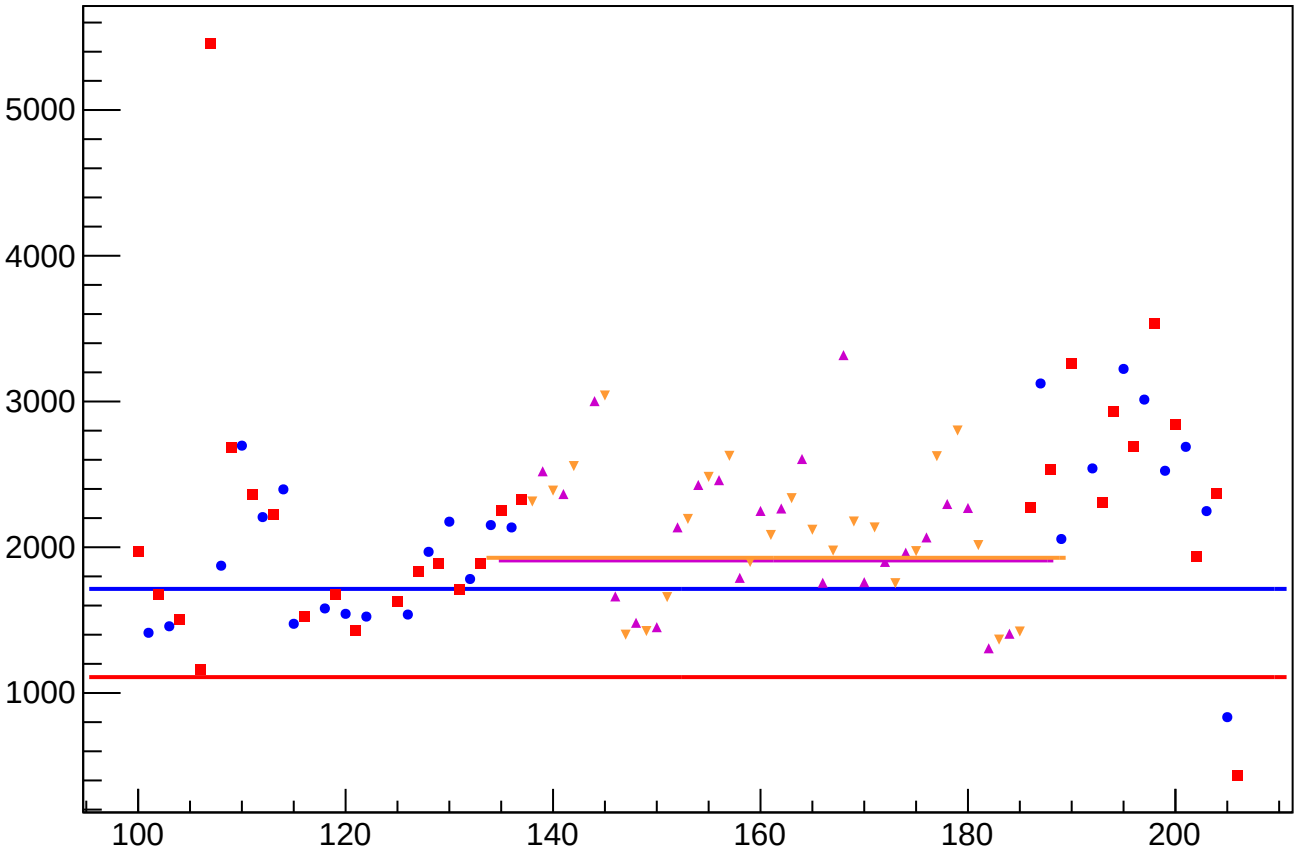
Right Out: 932.437+/-358.882 χ^2/NDF: 24.0/28

Left In: 92.604+/-460.670 χ^2/NDF:12.8/22

+ sign -315.172+/-338.155 χ^2/NDF: 60.0/48

All: 231.828+/-217.076 χ^2/NDF: 103.2/100

- sign 615.242+/-283.111 χ^2/NDF: 38.8/51



Right In: 1714.246+/-0.351 χ^2/NDF: 3311083.4/24

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

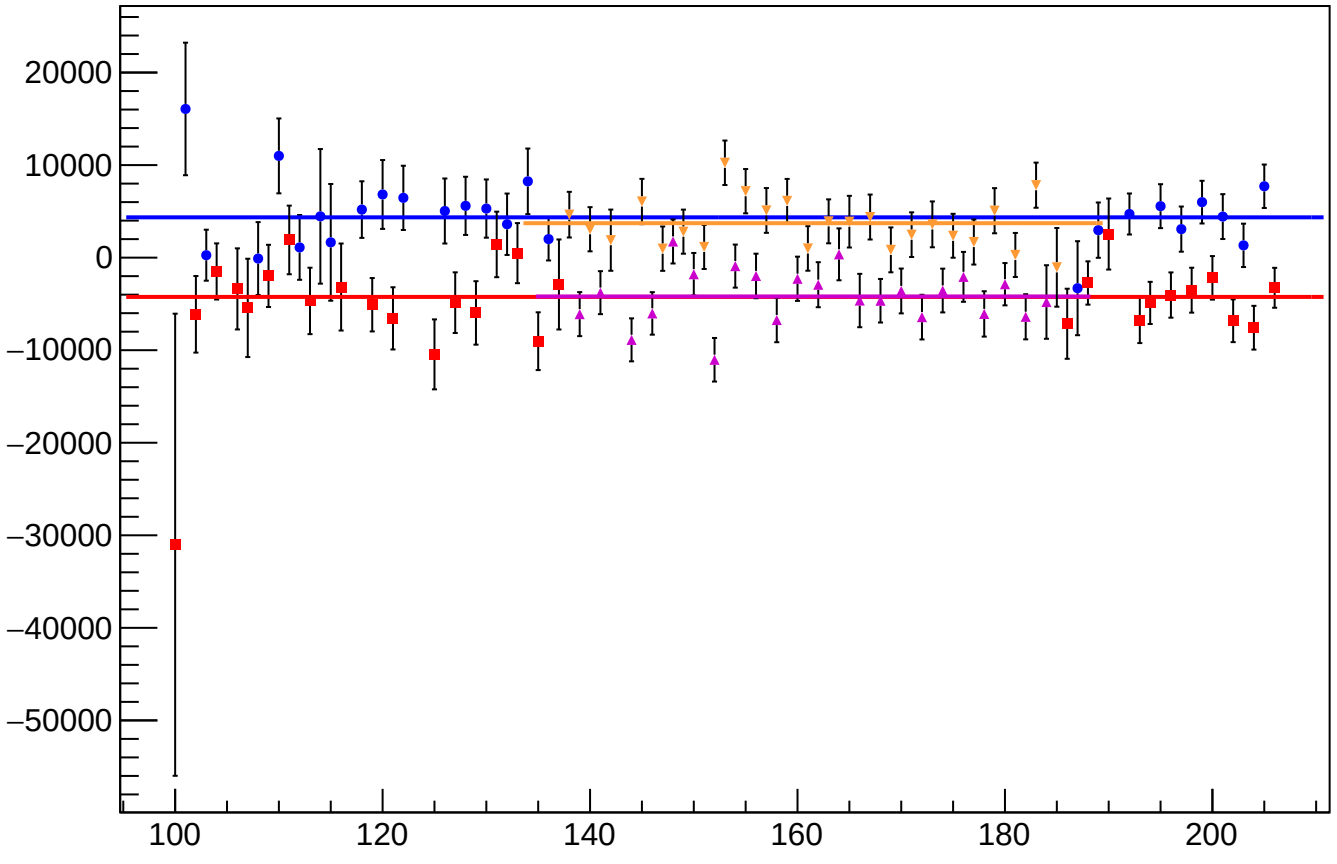
Right Out: 1108.995+/-0.254 χ^2/NDF: 11531587.8/28

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1828.389+/-0.239 χ^2/NDF: 5307672.9/48

All: 1583.225+/-0.153 χ^2/NDF: 24329041.8/1

- sign 1411.380+/-0.200 χ^2/NDF: 17233237.8/51



Right In: 4355.178+/-605.523 χ^2/NDF: 20.6/24

Left Out: 3723.433+/-507.155 χ^2/NDF:25.4/23

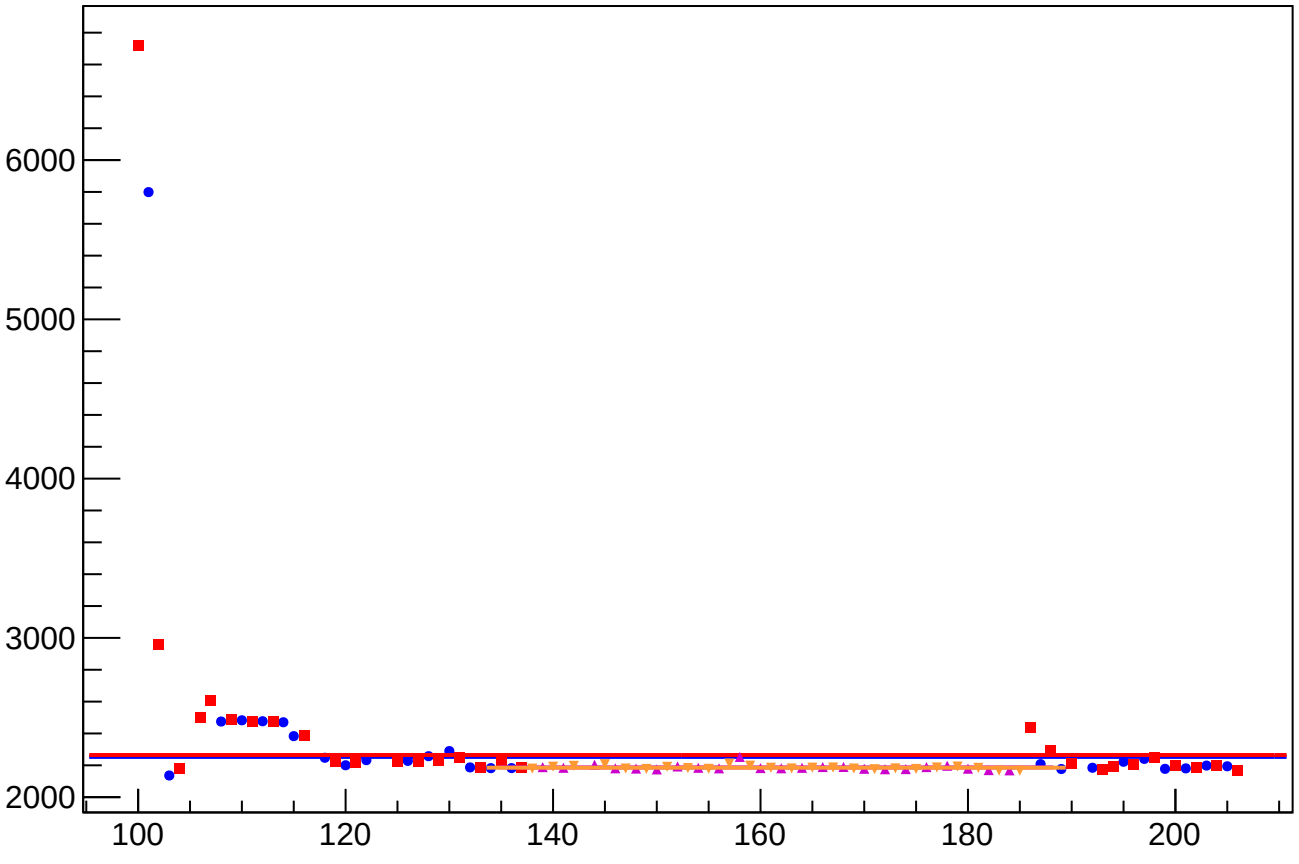
Right Out: -4243.325+/-568.755 χ^2/NDF: 25.7/28

Left In: -4196.060+/-510.578 χ^2/NDF:32.1/22

+ sign 3983.888+/-388.800 χ^2/NDF: 46.7/48

All: -211.123+/-271.737 χ^2/NDF: 332.1/100

- sign -4217.152+/-379.942 χ^2/NDF: 57.9/51



Right In: 2252.995+/-0.428 χ^2/NDF: 531909.8/24

Left Out: 2185.133+/-0.359 χ^2/NDF:815.1/23

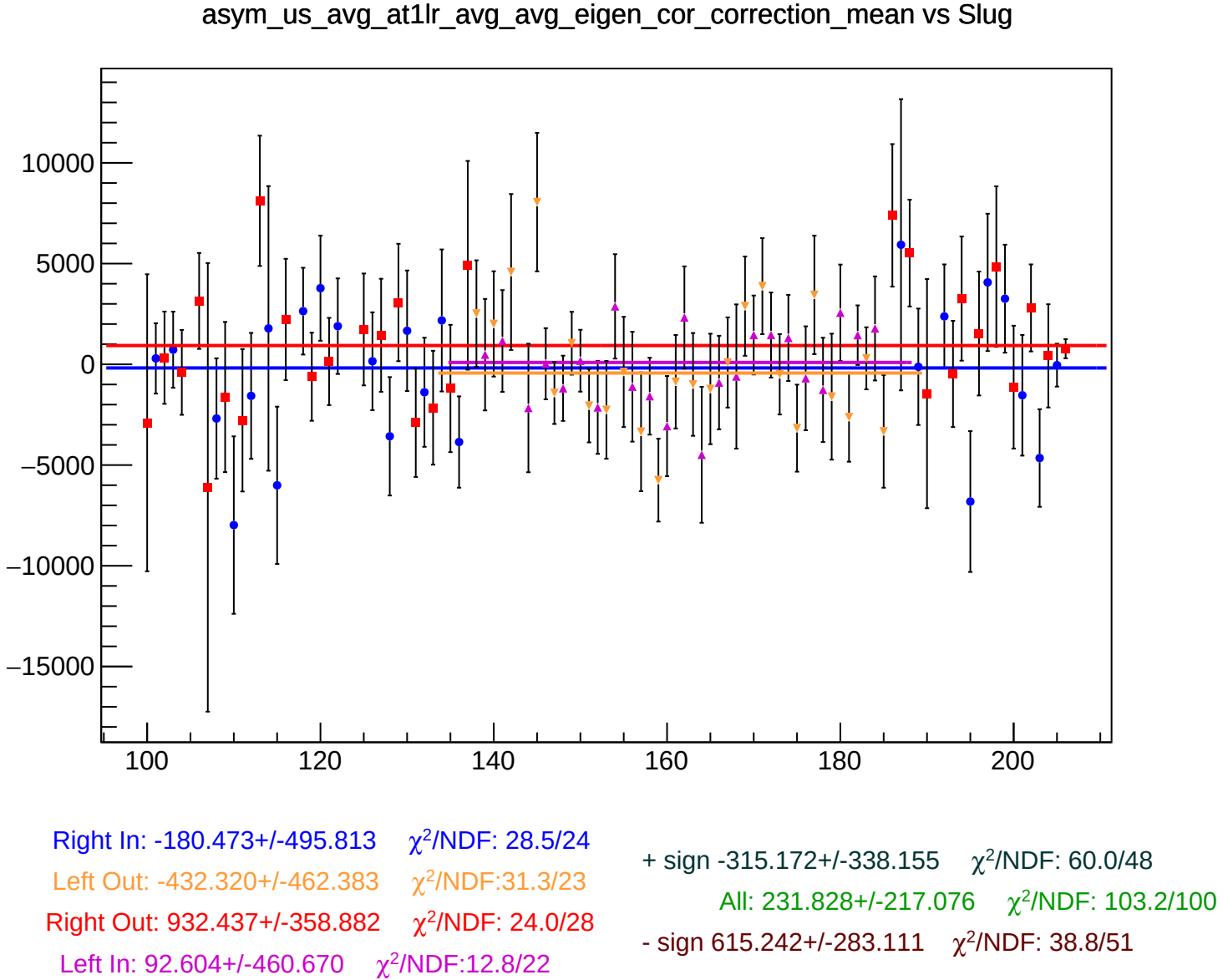
Right Out: 2264.635+/-0.402 χ^2/NDF: 182967.2/28

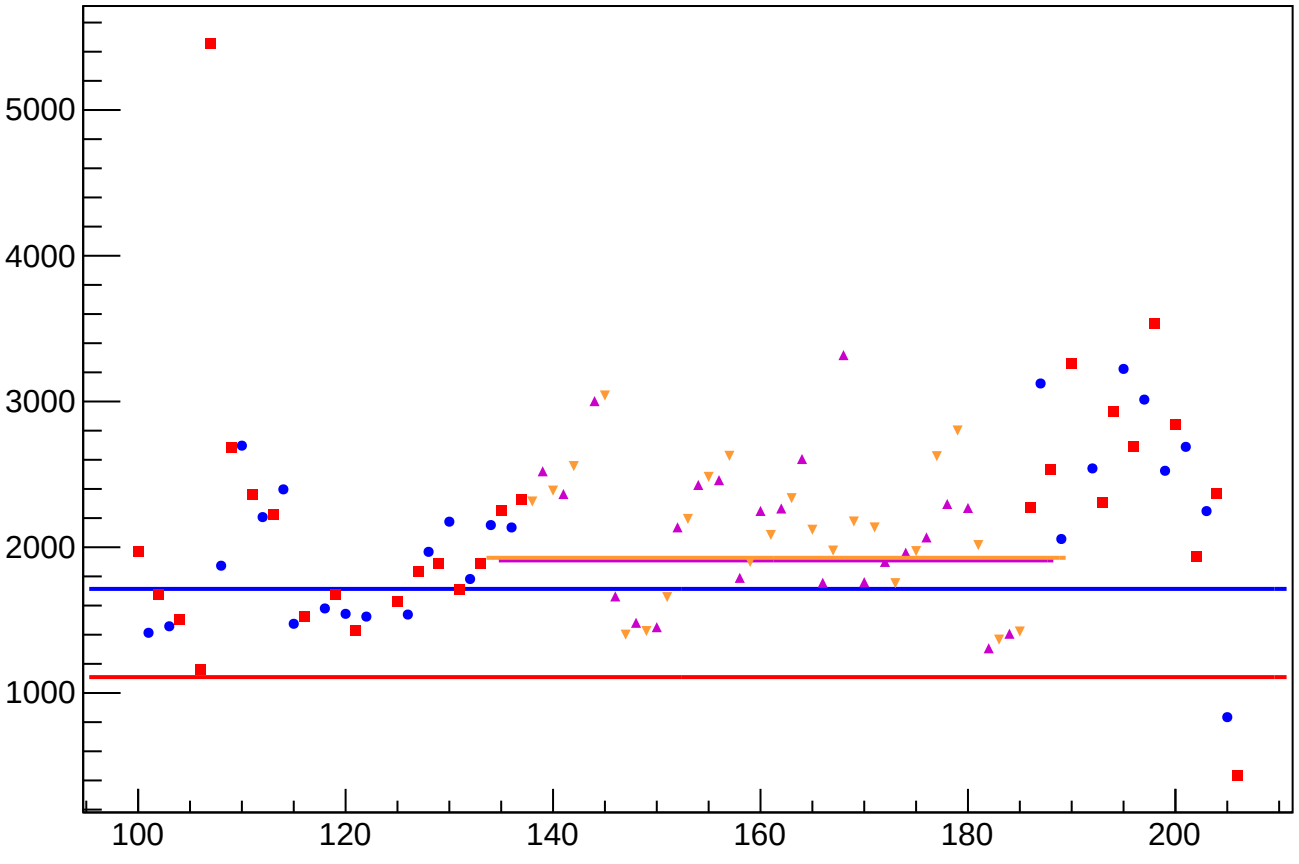
Left In: 2186.745+/-0.361 χ^2/NDF:2063.9/22

+ sign 2213.111+/-0.275 χ^2/NDF: 547488.8/48

All: 2217.404+/-0.192 χ^2/NDF: 753767.2/100

- sign 2221.504+/-0.269 χ^2/NDF: 205801.7/51


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs Slug
10000
5000
0
−5000
−10000
−15000
100
120
140
160
180
200
Right In: -180.473+/-495.813 χ²/NDF: 28.5/24
Left Out: -432.320+/-462.383 χ²/NDF:31.3/23
Right Out: 932.437+/-358.882 χ²/NDF: 24.0/28
Left In: 92.604+/-460.670 χ²/NDF:12.8/22
+ sign -315.172+/-338.155 χ²/NDF: 60.0/48
All: 231.828+/-217.076 χ²/NDF: 103.2/100
- sign 615.242+/-283.111 χ²/NDF: 38.8/51



Right In: 1714.246+/-0.351 χ^2/NDF: 3311083.4/24

Left Out: 1927.659+/-0.327 χ^2/NDF:1798407.2/23

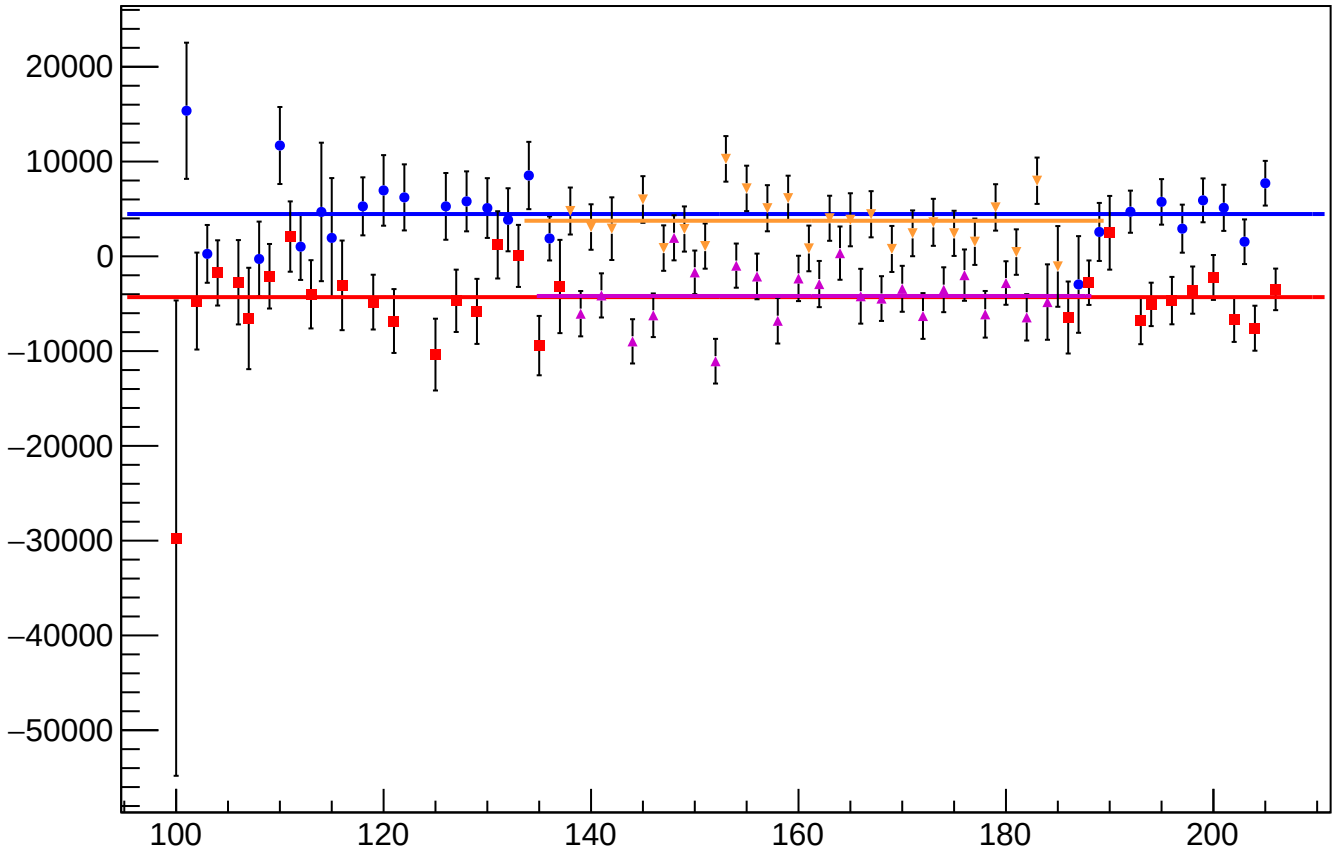
Right Out: 1108.995+/-0.254 χ^2/NDF: 11531587.8/28

Left In: 1909.618+/-0.326 χ^2/NDF:1942286.8/22

+ sign 1828.389+/-0.239 χ^2/NDF: 5307672.9/48

All: 1583.225+/-0.153 χ^2/NDF: 24329041.8/1

- sign 1411.380+/-0.200 χ^2/NDF: 17233237.8/51



Right In: 4462.653+/-612.539 χ^2/NDF: 20.6/24

Left Out: 3754.065+/-508.568 χ^2/NDF:25.7/23

Right Out: -4304.223+/-577.505 χ^2/NDF: 24.5/28

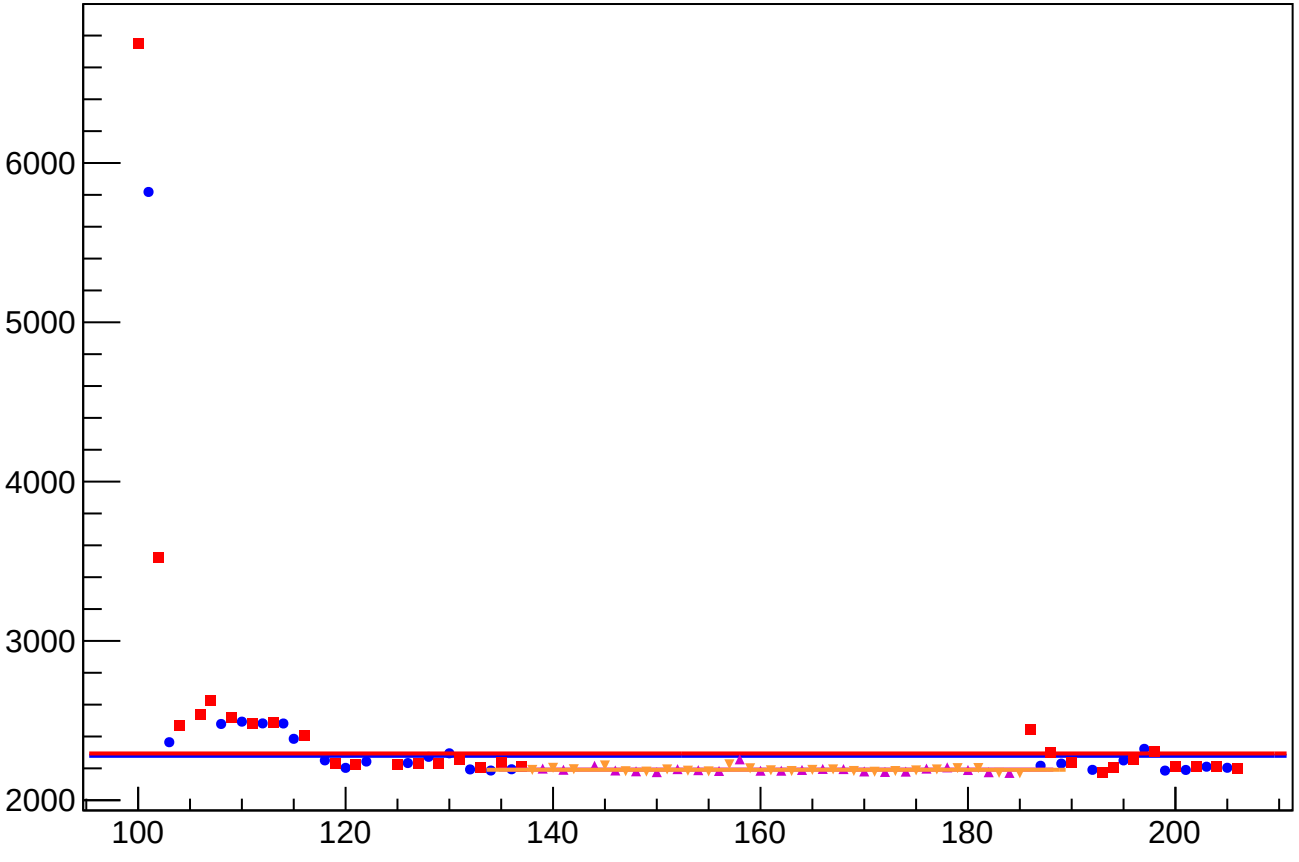
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4043.206+/-391.283 χ^2/NDF: 47.1/48

All: -184.865+/-273.724 χ^2/NDF: 332.9/100

- sign -4237.013+/-383.057 χ^2/NDF: 57.2/51

dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2278.748+/-0.433 χ^2/NDF: 527765.8/24

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

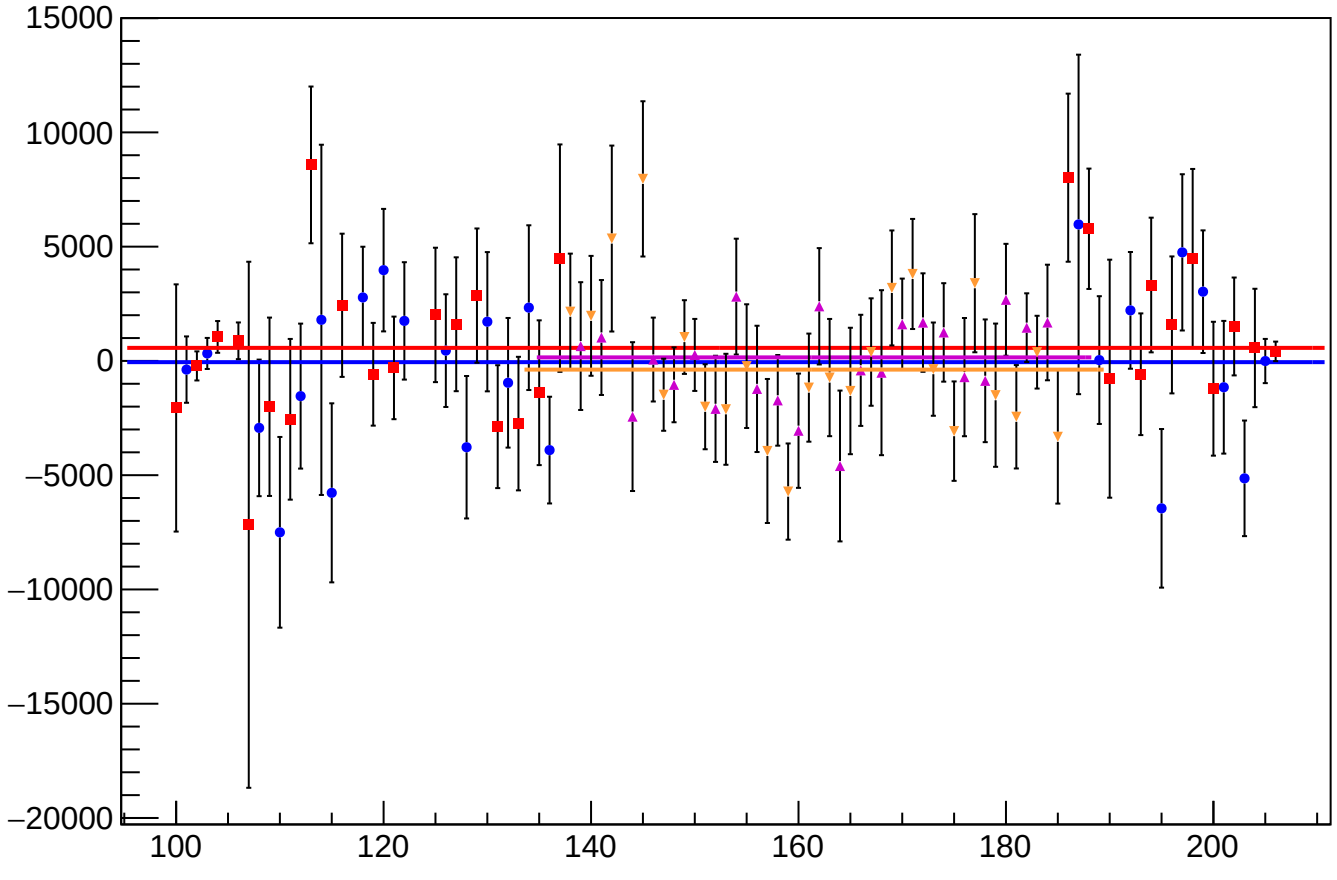
Right Out: 2293.546+/-0.408 χ^2/NDF: 247057.4/28

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2226.892+/-0.277 χ^2/NDF: 553208.8/48

All: 2231.946+/-0.194 χ^2/NDF: 837695.2/100

- sign 2236.789+/-0.271 χ^2/NDF: 283833.2/51



Right In: -54.063+/-401.739 χ^2/NDF: 28.6/24

Left Out: -380.488+/-471.481 χ^2/NDF:30.8/23

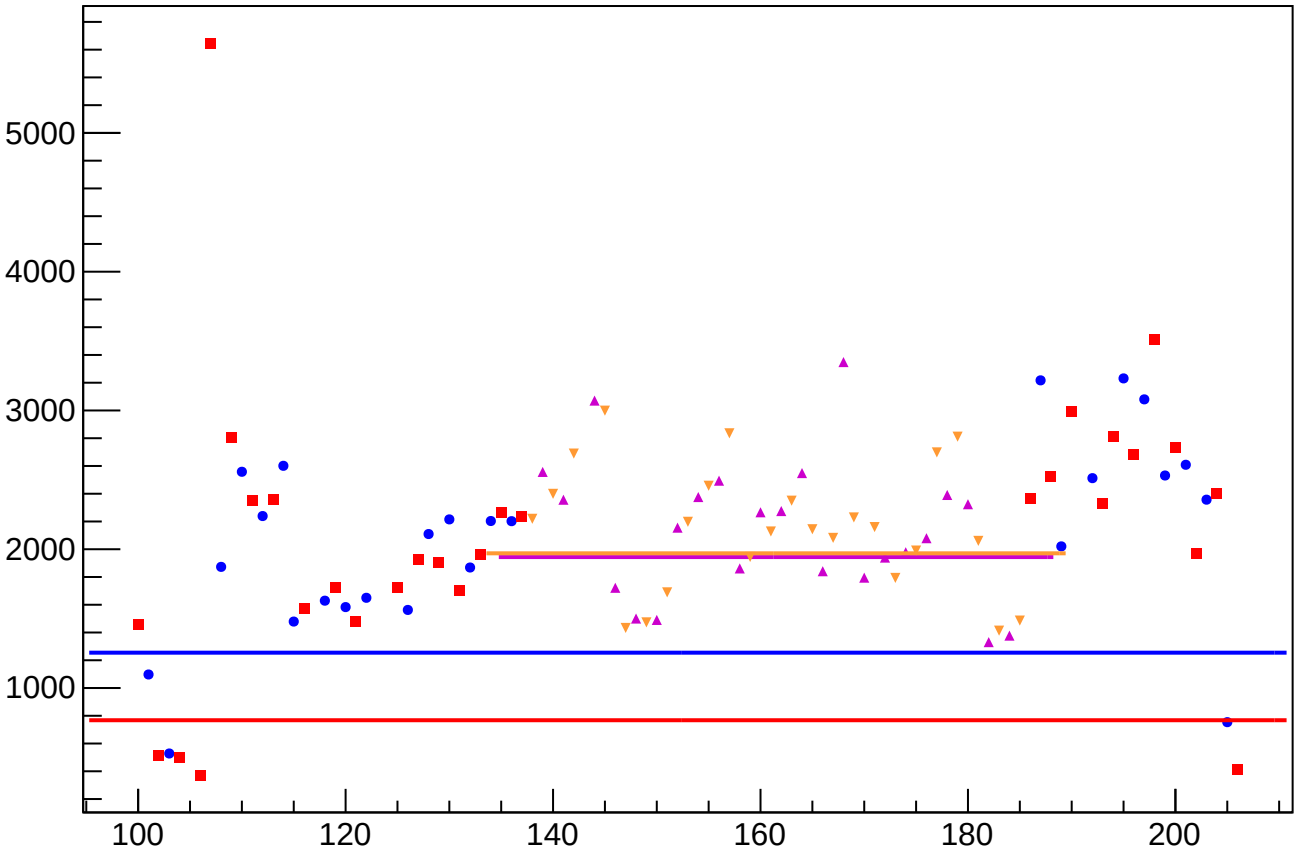
Right Out: 570.672+/-264.902 χ^2/NDF: 26.2/28

Left In: 154.512+/-467.999 χ^2/NDF:12.8/22

+ sign -191.370+/-305.787 χ^2/NDF: 59.7/48

All: 230.126+/-184.081 χ^2/NDF: 102.2/100

- sign 469.691+/-230.534 χ^2/NDF: 39.6/51



Right In: 1254.656+/-0.284 χ^2/NDF: 7726290.8/24

Left Out: 1970.655+/-0.333 χ^2/NDF:1696659.6/23

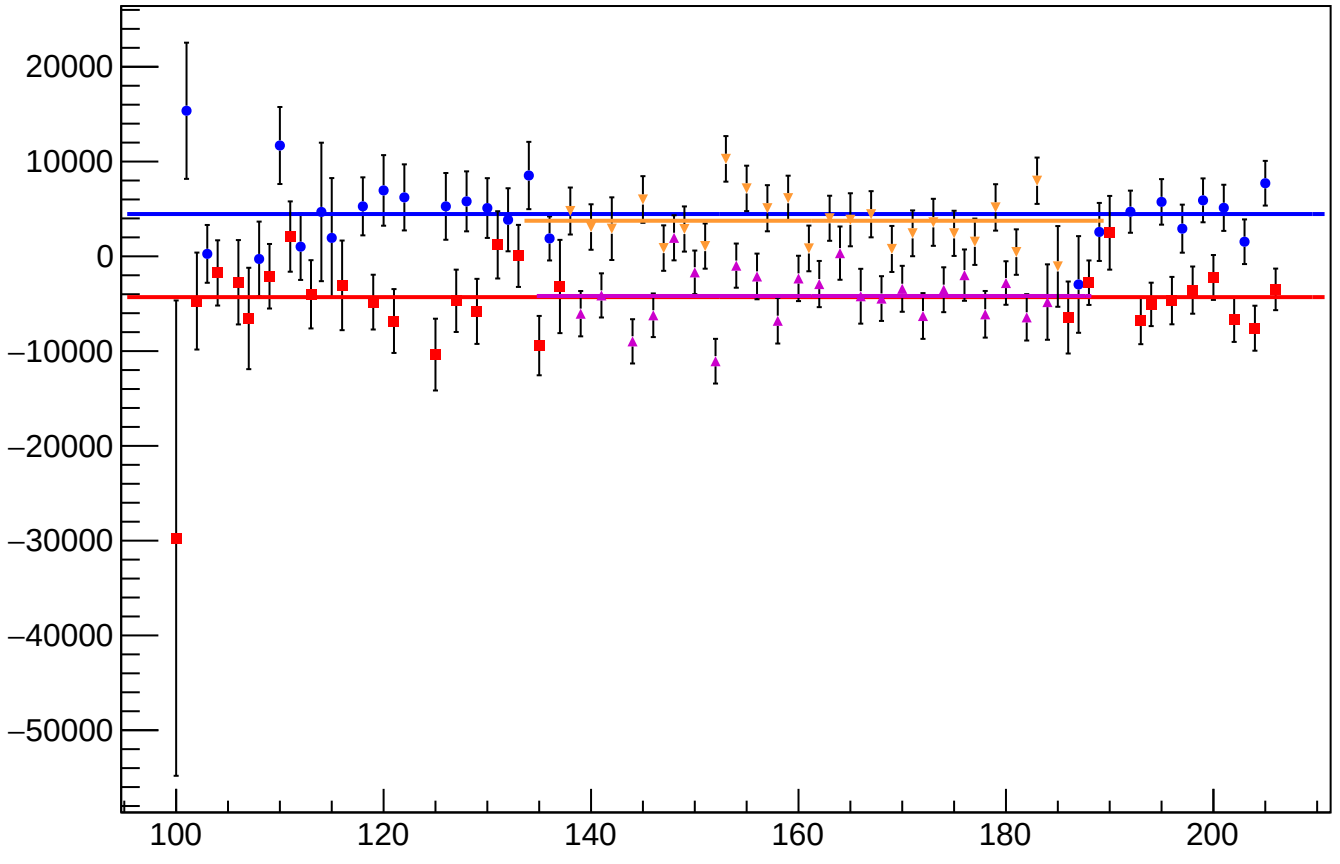
Right Out: 767.806+/-0.187 χ^2/NDF: 14392713.8/28

Left In: 1943.628+/-0.331 χ^2/NDF:1882933.7/22

+ sign 1555.833+/-0.216 χ^2/NDF: 12095196.9/48

All: 1235.300+/-0.130 χ^2/NDF: 41378781.4/1

- sign 1053.118+/-0.163 χ^2/NDF: 25837008.8/51



Right In: 4462.651+/-612.539 χ^2/NDF: 20.6/24

Left Out: 3754.064+/-508.568 χ^2/NDF:25.7/23

Right Out: -4304.218+/-577.505 χ^2/NDF: 24.5/28

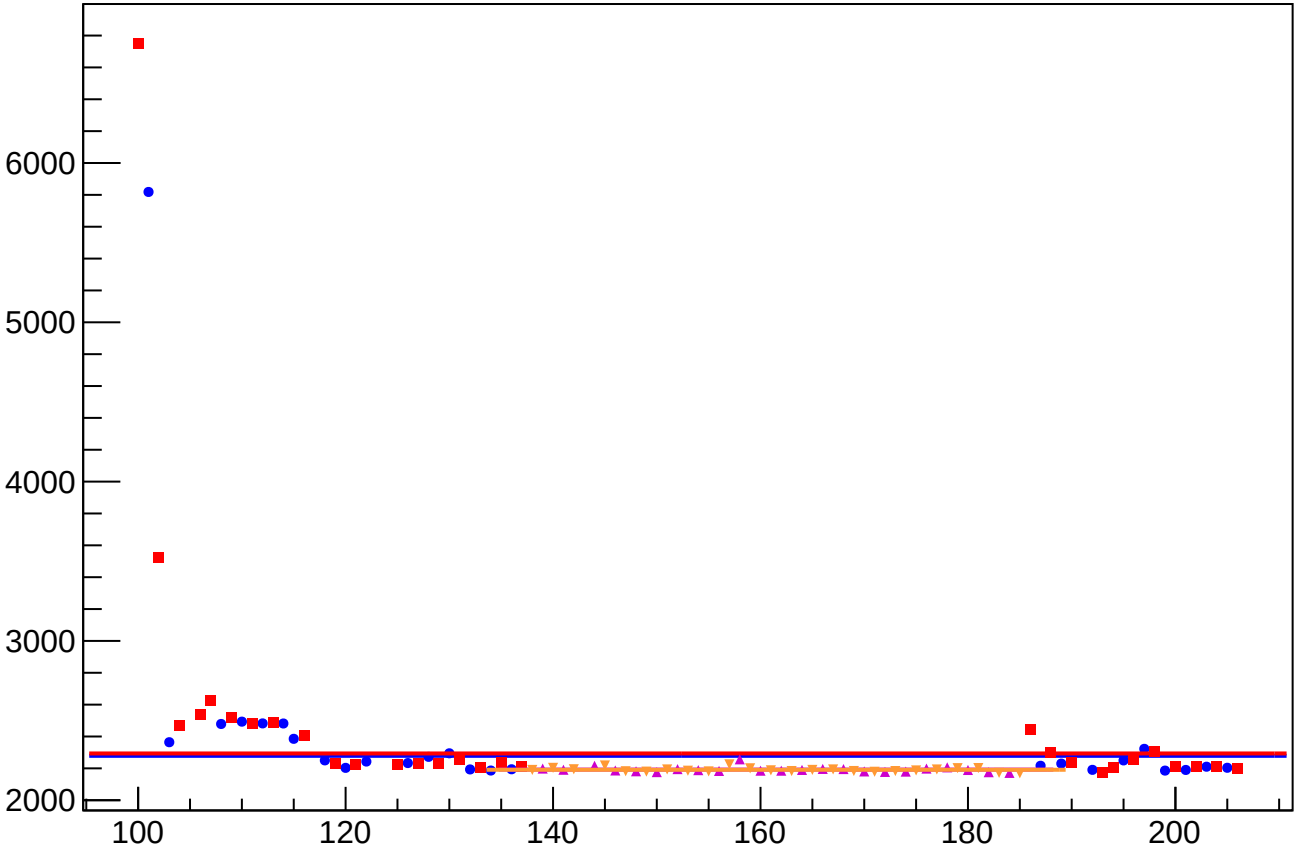
Left In: -4184.214+/-511.864 χ^2/NDF:32.7/22

+ sign 4043.204+/-391.283 χ^2/NDF: 47.1/48

All: -184.865+/-273.724 χ^2/NDF: 332.9/100

- sign -4237.012+/-383.057 χ^2/NDF: 57.2/51

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 2278.748+/-0.433 χ^2/NDF: 527765.7/24

Left Out: 2191.147+/-0.360 χ^2/NDF:1228.9/23

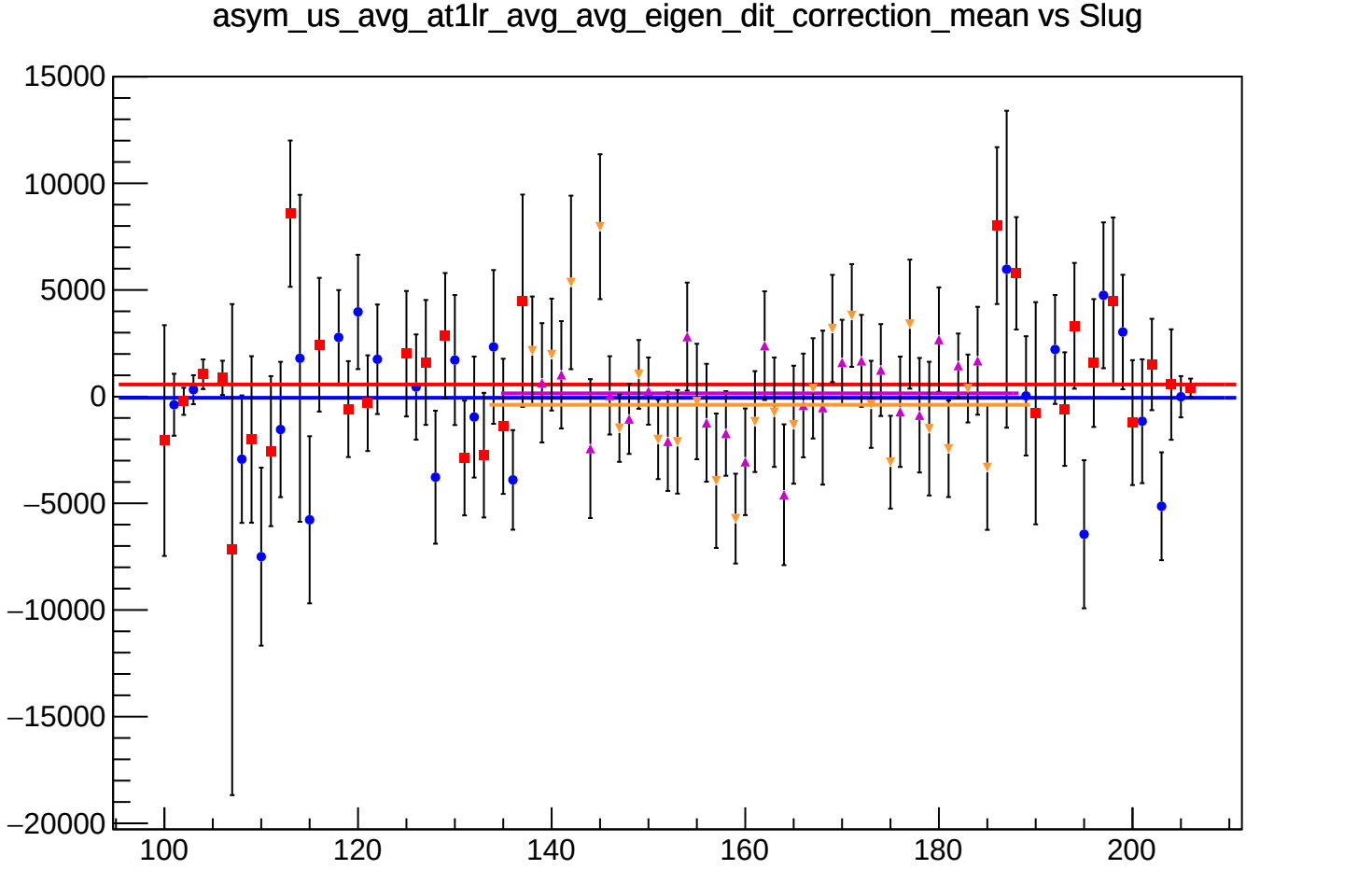
Right Out: 2293.546+/-0.408 χ^2/NDF: 247056.2/28

Left In: 2192.201+/-0.362 χ^2/NDF:2281.8/22

+ sign 2226.892+/-0.277 χ^2/NDF: 553208.5/48

All: 2231.946+/-0.194 χ^2/NDF: 837693.5/100

- sign 2236.789+/-0.271 χ^2/NDF: 283831.7/51



Right In: -54.068+/-401.741 χ^2/NDF: 28.6/24

Left Out: -380.492+/-471.482 χ^2/NDF:30.8/23

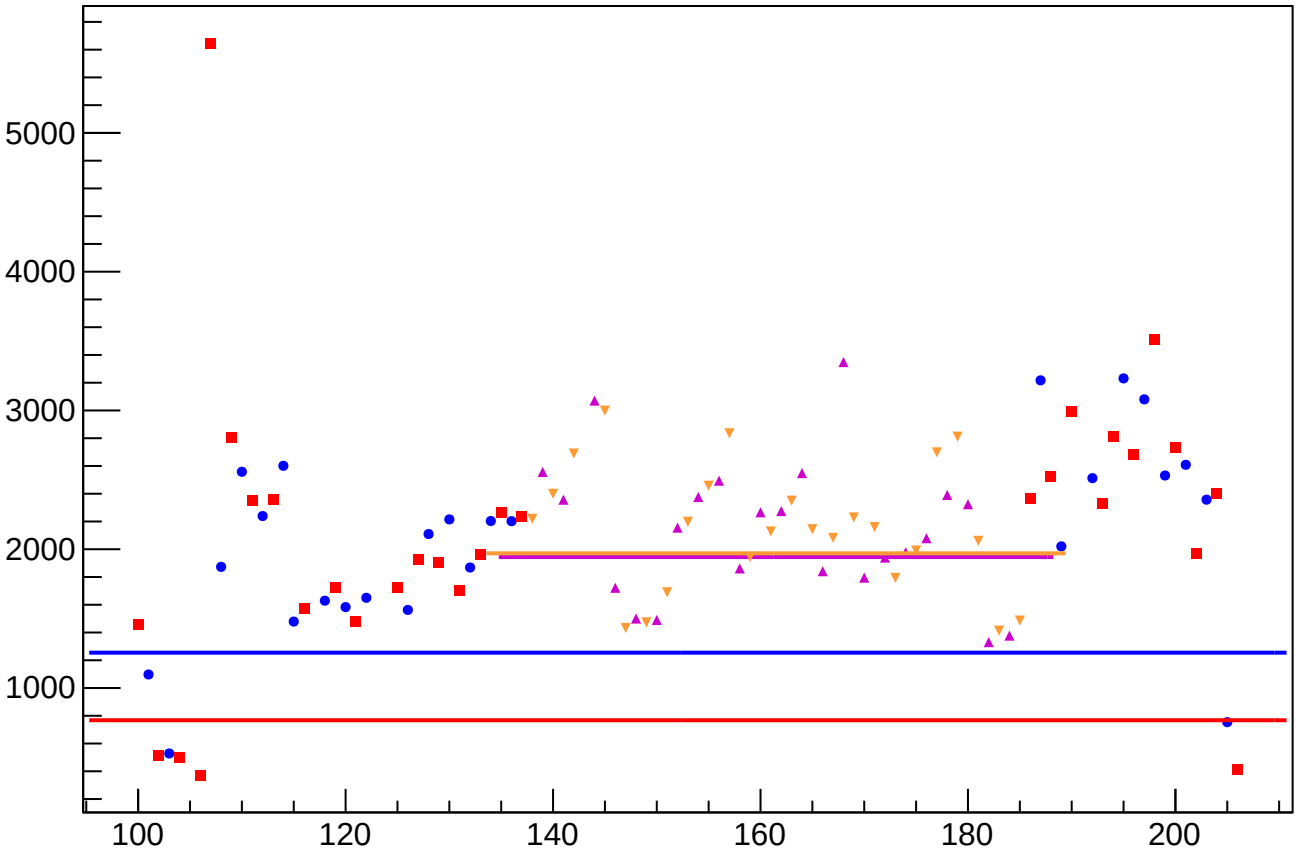
Right Out: 570.670+/-264.903 χ^2/NDF: 26.2/28

Left In: 154.512+/-468.000 χ^2/NDF:12.8/22

+ sign -191.375+/-305.788 χ^2/NDF: 59.7/48

All: 230.122+/-184.082 χ^2/NDF: 102.2/100

- sign 469.689+/-230.535 χ^2/NDF: 39.6/51



Right In: 1254.665+/-0.284 χ^2/NDF: 7726185.6/24

Left Out: 1970.659+/-0.333 χ^2/NDF:1696658.8/23

Right Out: 767.811+/-0.187 χ^2/NDF: 14392649.5/28

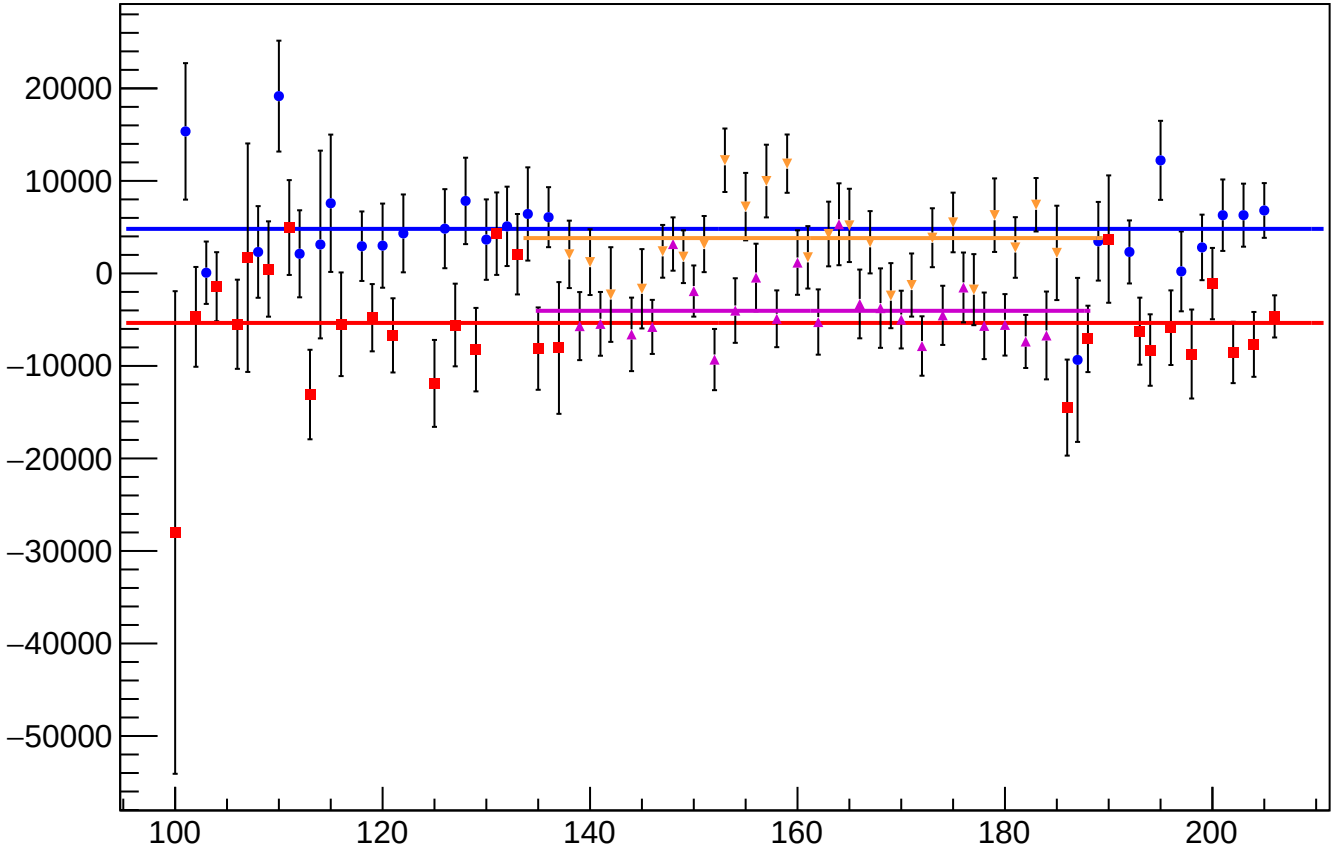
Left In: 1943.631+/-0.331 χ^2/NDF:1882931.8/22

+ sign 1555.841+/-0.216 χ^2/NDF: 12095034.2/48

All: 1235.306+/-0.130 χ^2/NDF: 41378499.1/1

- sign 1053.123+/-0.163 χ^2/NDF: 25836880.3/51

asym_us_avg_at1lr_avg_avg_mean vs Slug



Right In: 4813.953+/-852.533 χ^2/NDF: 20.1/24

Left Out: 3817.837+/-708.312 χ^2/NDF:30.9/23

Right Out: -5352.415+/-795.733 χ^2/NDF: 29.6/28

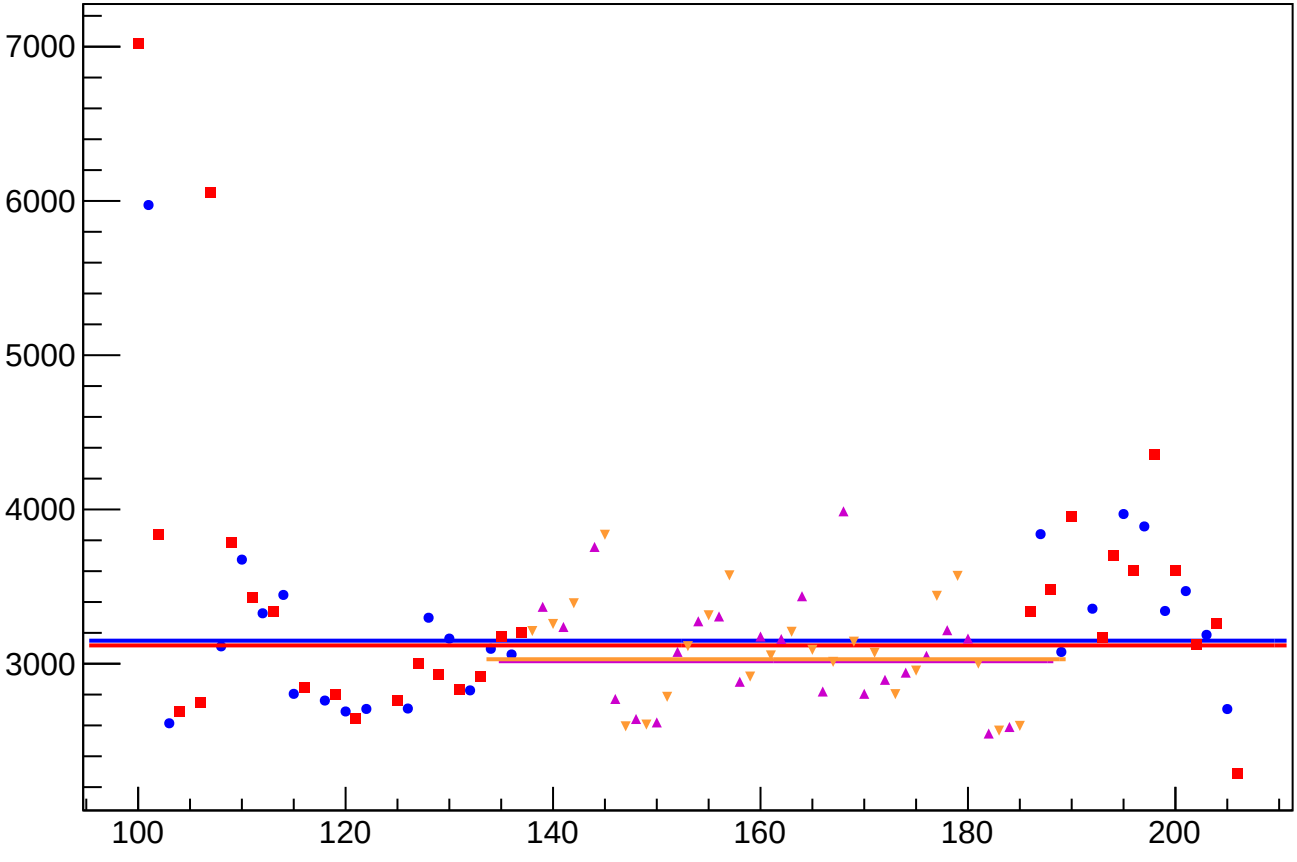
Left In: -4042.422+/-709.573 χ^2/NDF:22.5/22

+ sign 4224.634+/-544.810 χ^2/NDF: 51.8/48

All: -324.285+/-379.745 χ^2/NDF: 241.0/100

- sign -4622.683+/-529.595 χ^2/NDF: 53.6/51

asym_us_avg_at1lr_avg_avg_rms vs Slug



Right In: 3149.443+/-0.603 χ^2/NDF: 685941.1/24

Left Out: 3028.983+/-0.501 χ^2/NDF:397111.2/23

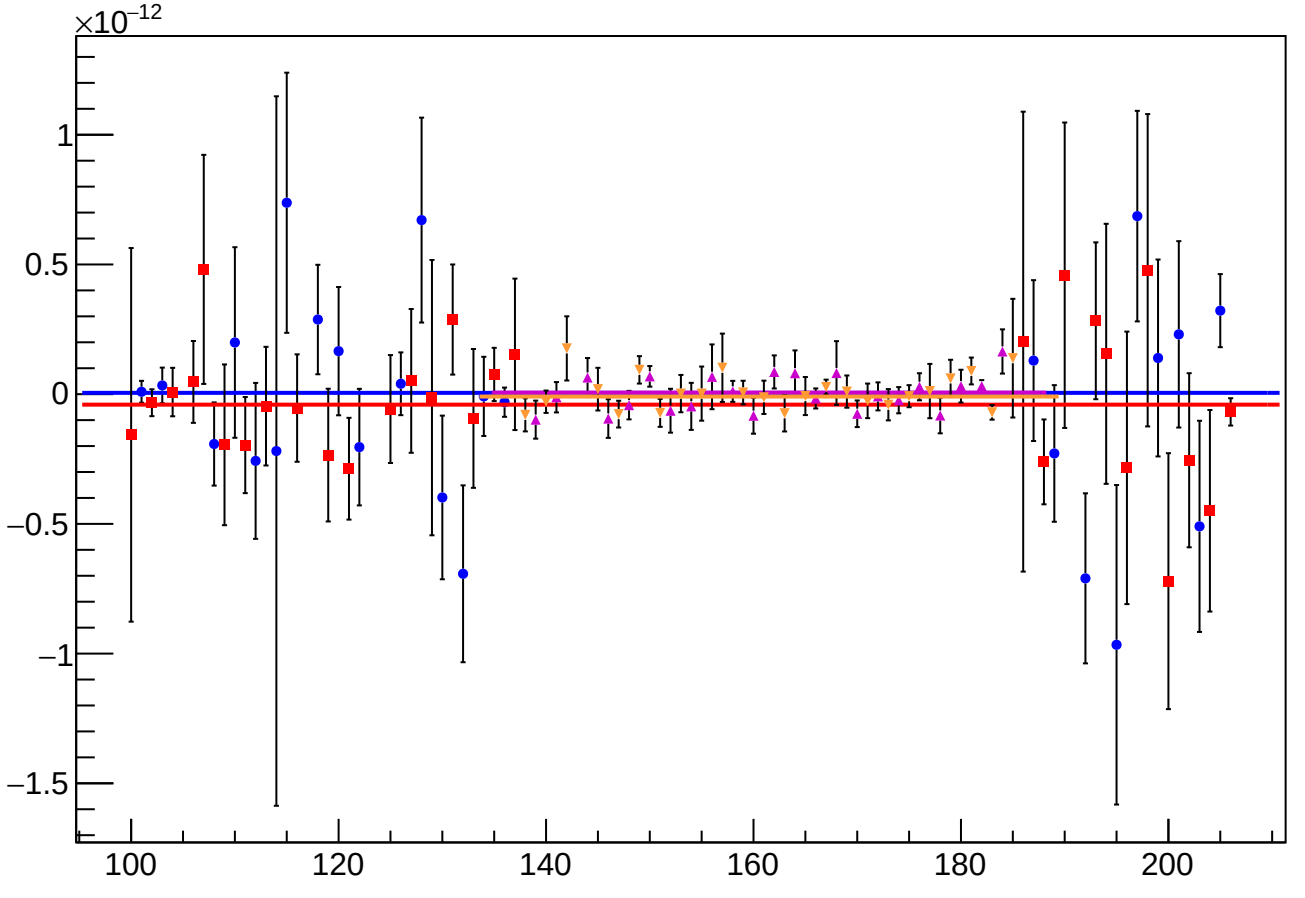
Right Out: 3118.645+/-0.563 χ^2/NDF: 914193.1/28

Left In: 3016.252+/-0.502 χ^2/NDF:439897.8/22

+ sign 3078.177+/-0.385 χ^2/NDF: 1106675.1/48

All: 3069.657+/-0.269 χ^2/NDF: 2480164.5/10

- sign 3061.607+/-0.374 χ^2/NDF: 1372538.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 35.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:24.2/23

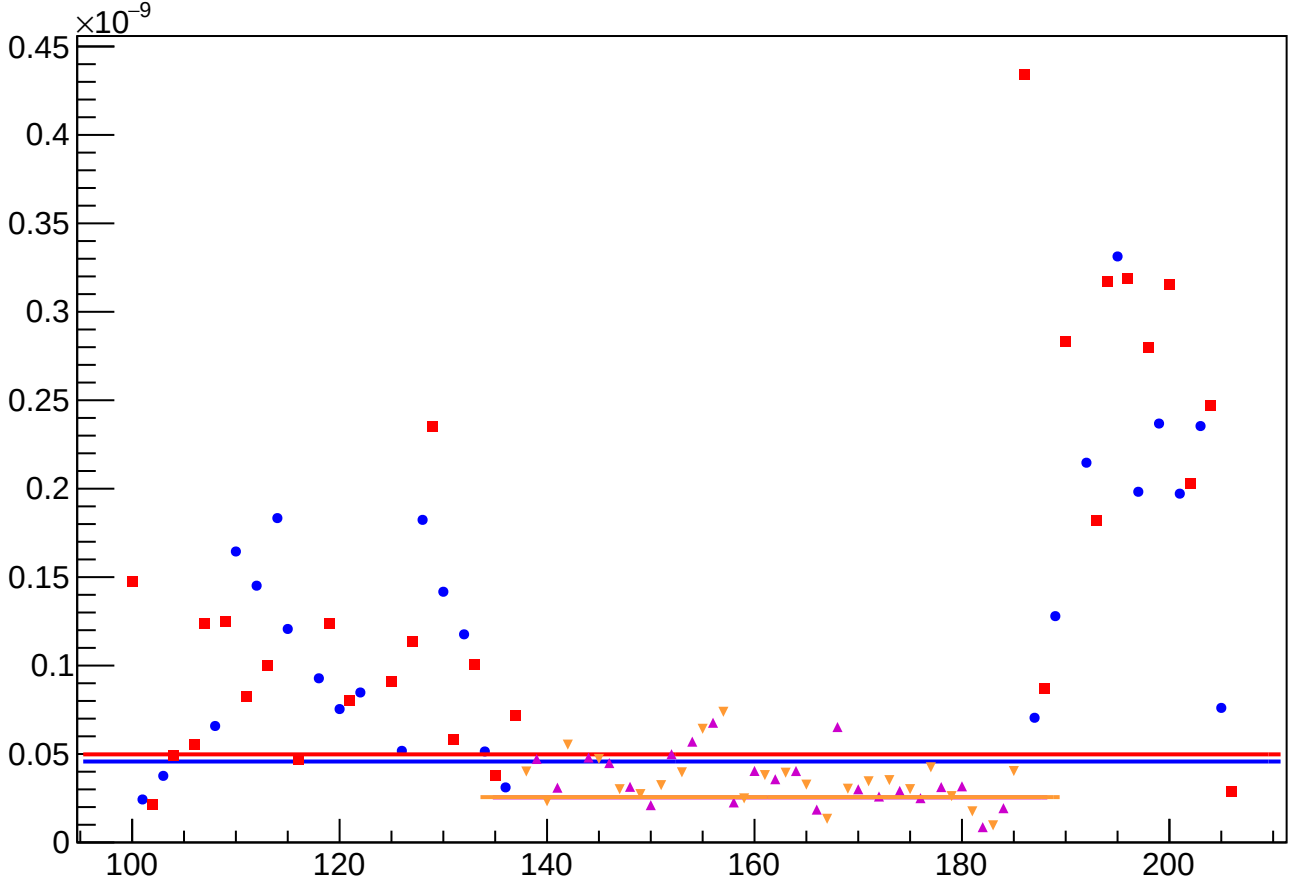
Right Out: -0.000+/-0.000 χ^2/NDF: 18.0/28

Left In: 0.000+/-0.000 χ^2/NDF:23.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.8/48

All: -0.000+/-0.000 χ^2/NDF: 103.6/100

- sign -0.000+/-0.000 χ^2/NDF: 43.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 4756024.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2439953.3/23

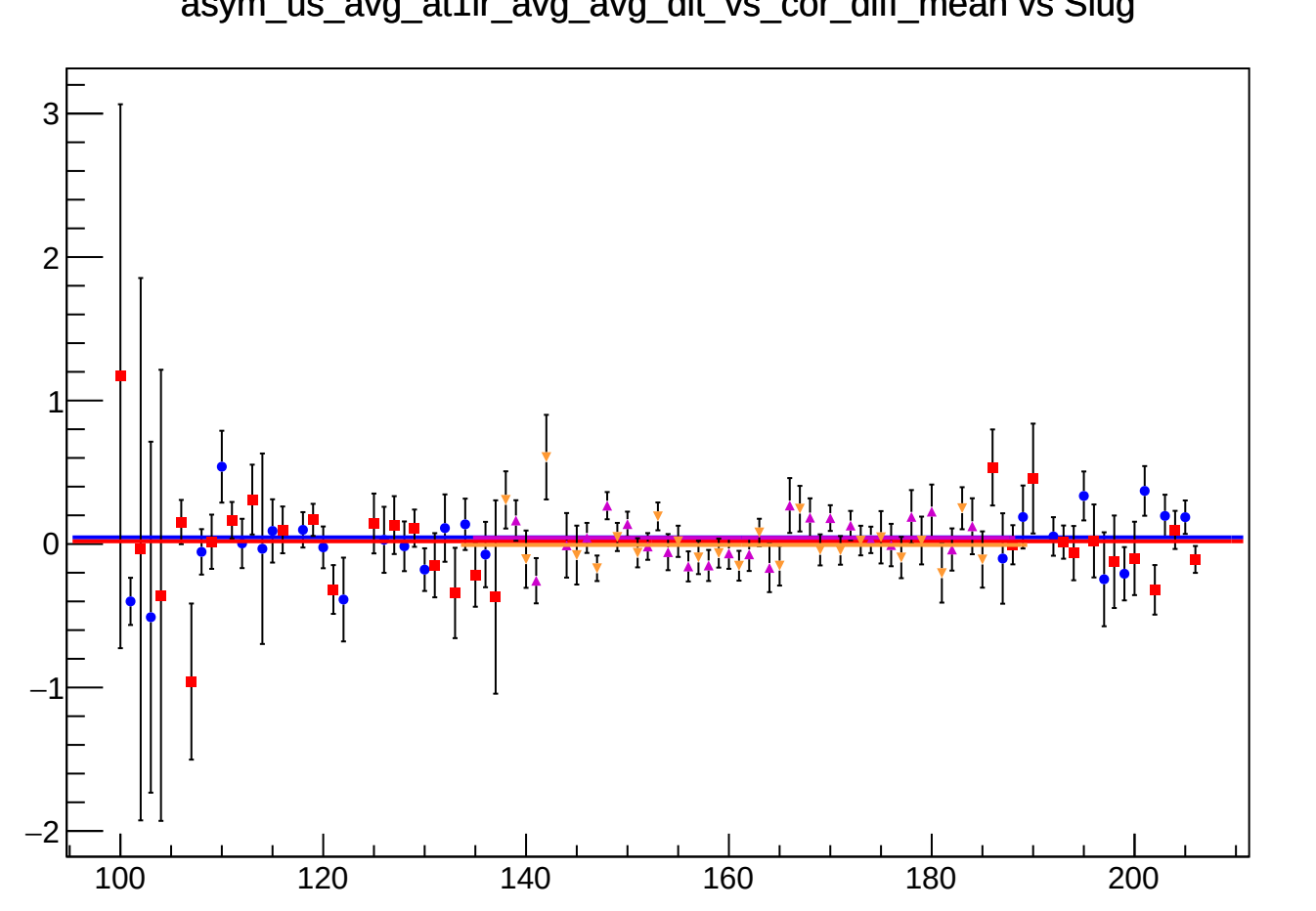
Right Out: 0.000+/-0.000 χ^2/NDF: 6116308.8/28

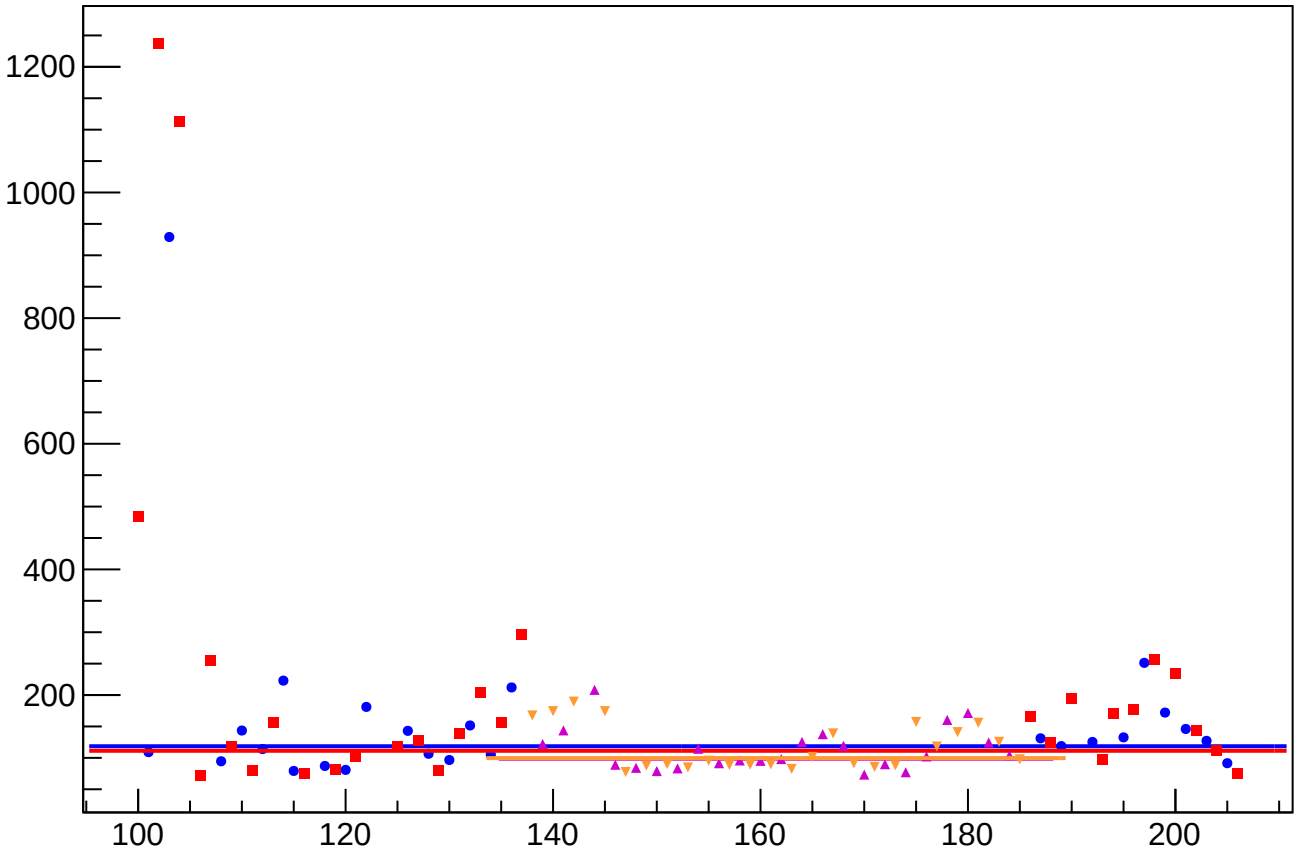
Left In: 0.000+/-0.000 χ^2/NDF:2808054.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 8198442.4/48

All: 0.000+/-0.000 χ^2/NDF: 18432171.5/100

- sign 0.000+/-0.000 χ^2/NDF: 10233643.1/51


asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.047+/-0.036 χ²/NDF: 29.7/24
Left Out: -0.007+/-0.025 χ²/NDF:27.7/23
Right Out: 0.019+/-0.034 χ²/NDF: 29.3/28
Left In: 0.044+/-0.025 χ²/NDF:30.3/22
+ sign 0.011+/-0.021 χ²/NDF: 58.9/48
All: 0.023+/-0.014 χ²/NDF: 119.4/100
- sign 0.035+/-0.020 χ²/NDF: 59.9/51



Right In: 118.488+/-0.026 χ^2/NDF: 2565662.1/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

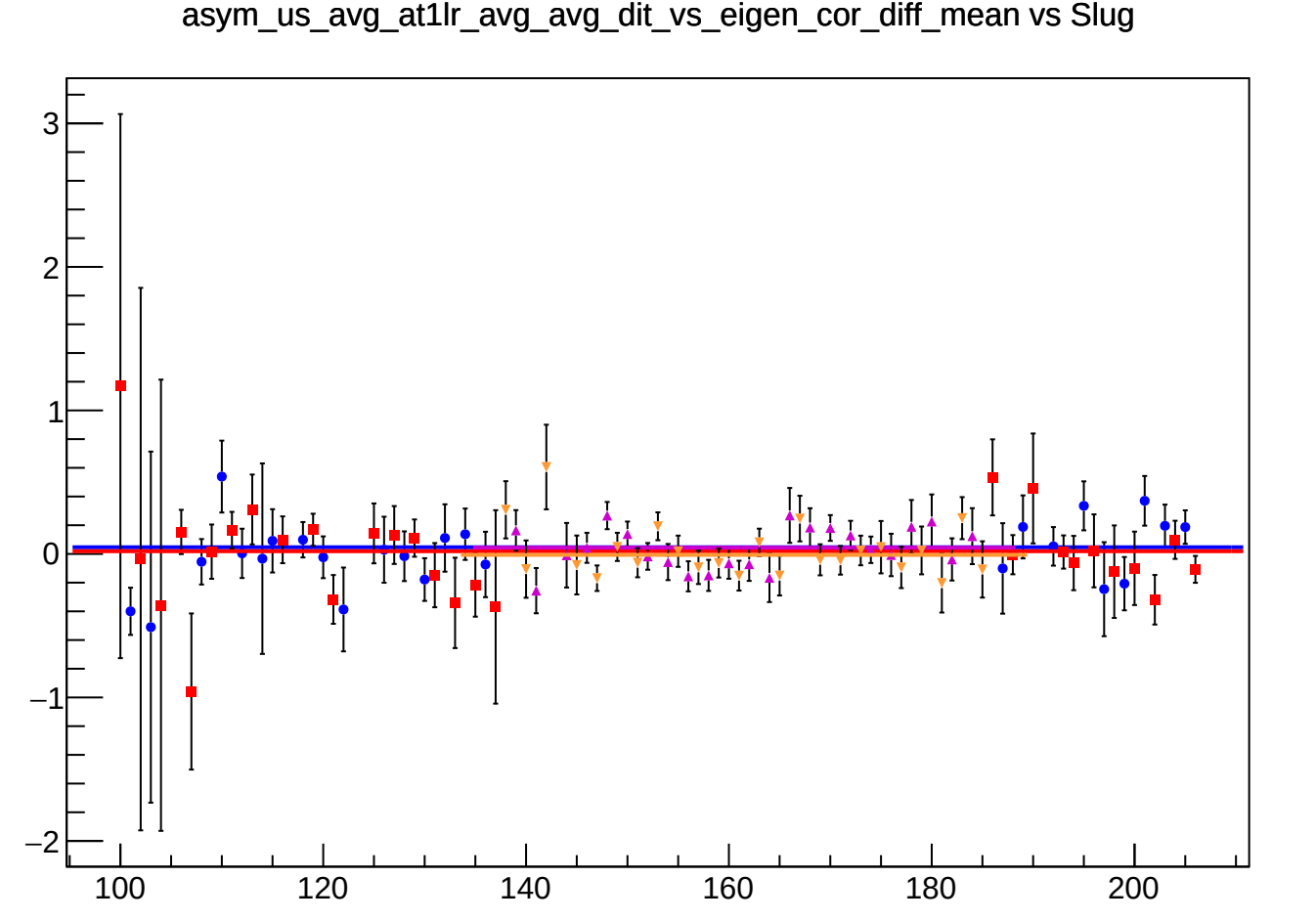
Right Out: 111.272+/-0.024 χ^2/NDF: 4677605.1/28

Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 105.740+/-0.015 χ^2/NDF: 4999198.6/48

All: 104.413+/-0.010 χ^2/NDF: 11876765.0/10

- sign 103.176+/-0.014 χ^2/NDF: 6861841.5/51



Right In: 0.047+/-0.036 χ^2/NDF: 29.7/24

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

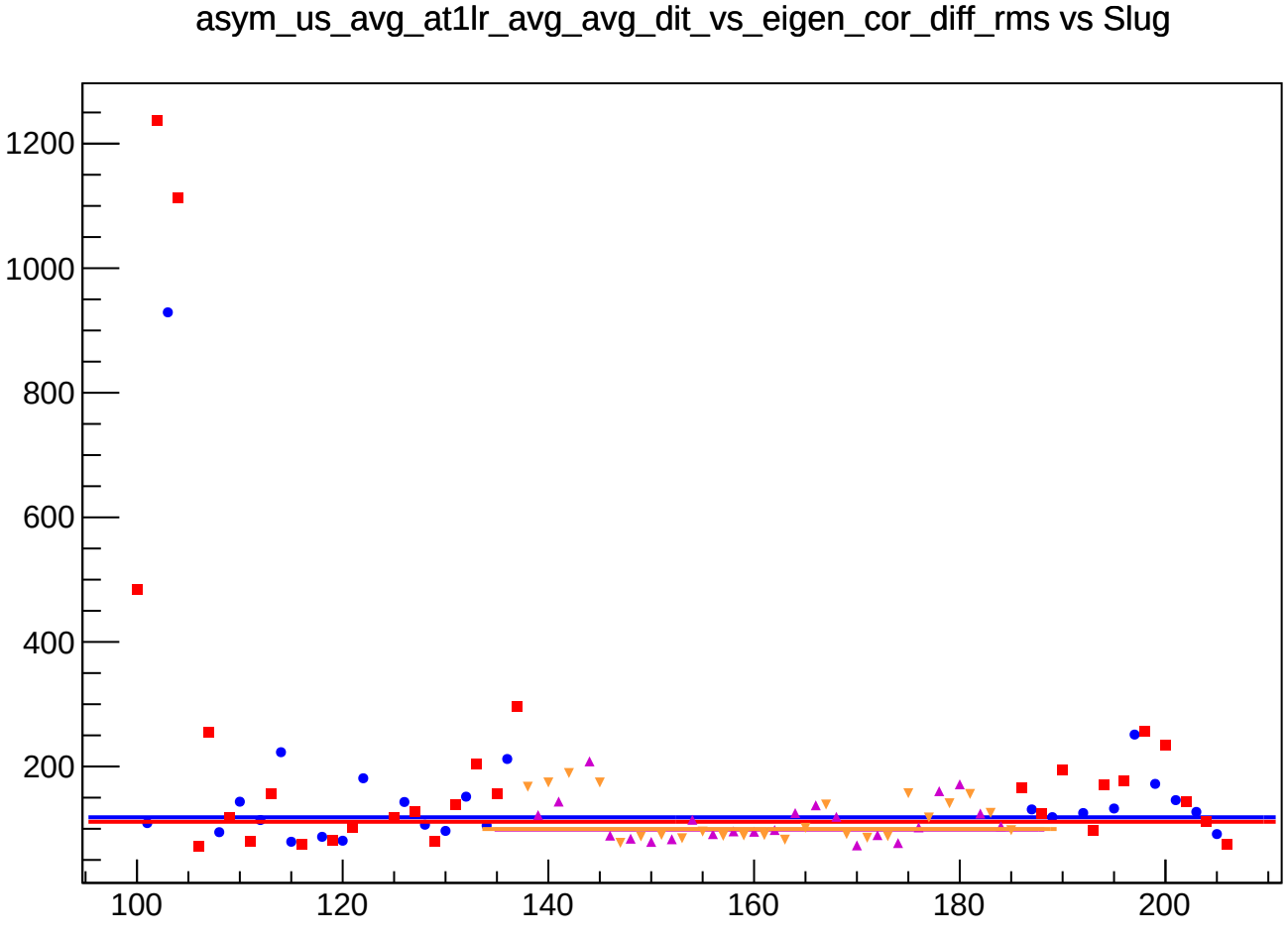
Right Out: 0.019+/-0.034 χ^2/NDF: 29.3/28

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.011+/-0.021 χ^2/NDF: 58.9/48

All: 0.023+/-0.014 χ^2/NDF: 119.4/100

- sign 0.035+/-0.020 χ^2/NDF: 59.9/51



Right In: 118.488+/-0.026 χ^2/NDF: 2565662.1/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070986.6/23

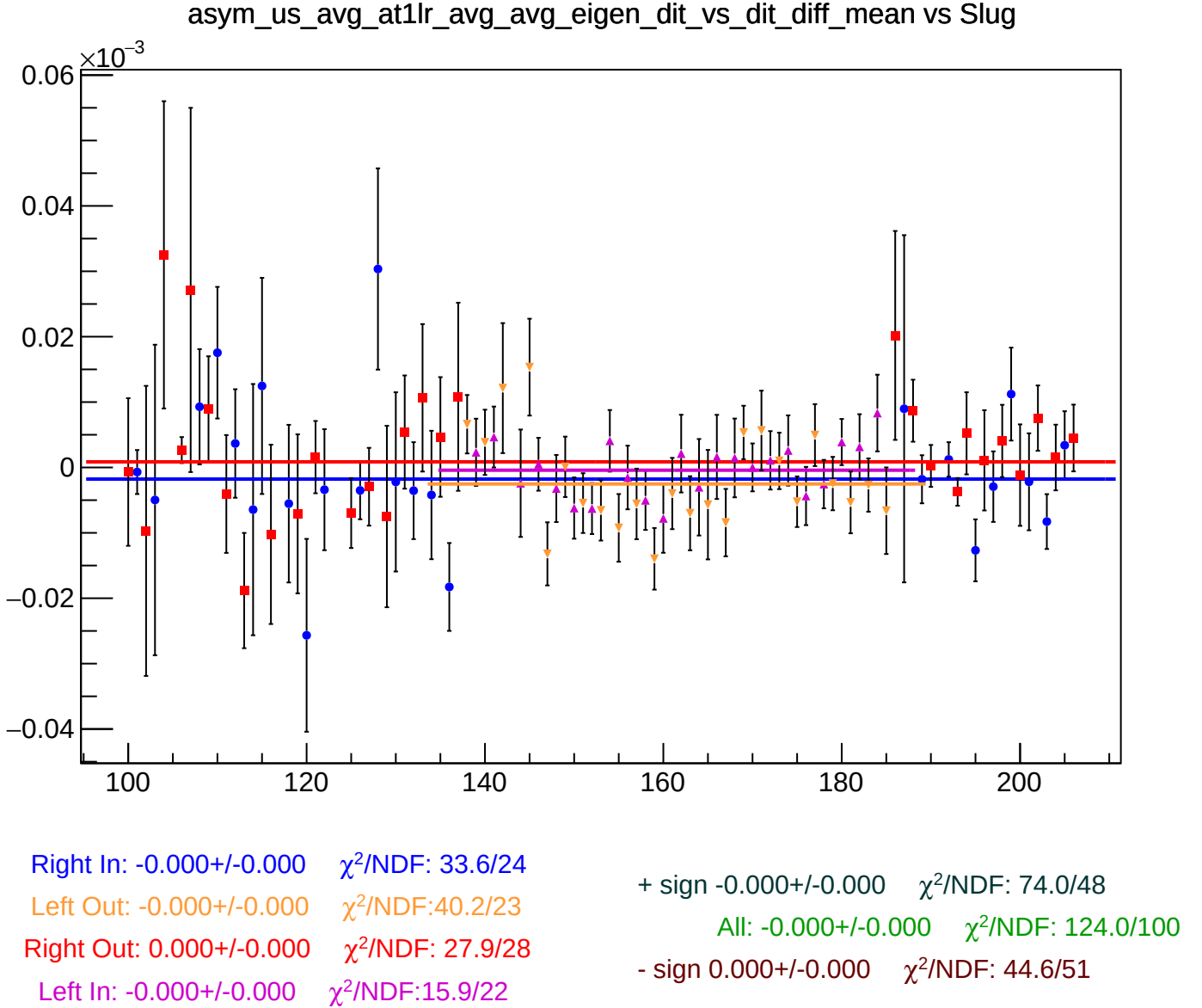
Right Out: 111.272+/-0.024 χ^2/NDF: 4677605.1/28

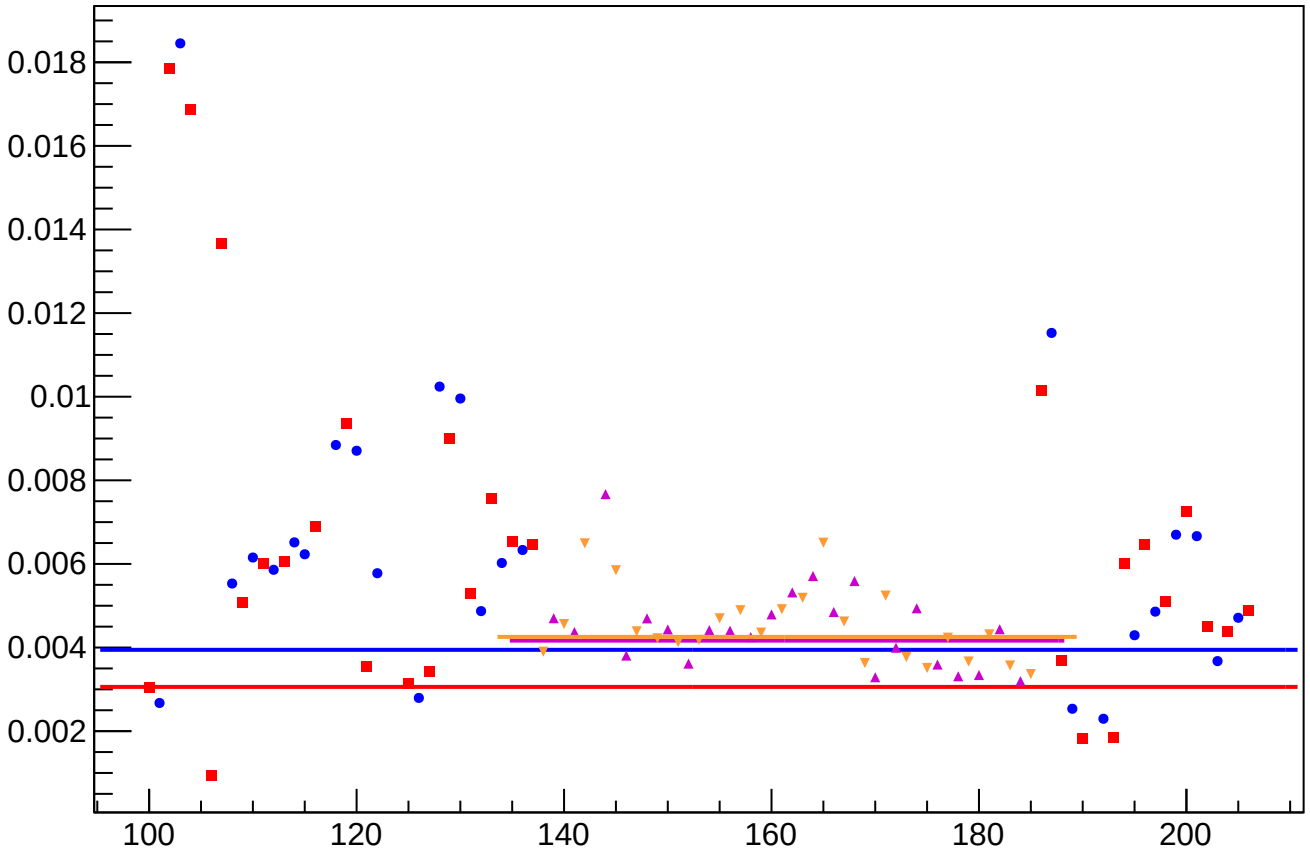
Left In: 98.669+/-0.018 χ^2/NDF:2003365.1/22

+ sign 105.740+/-0.015 χ^2/NDF: 4999198.6/48

All: 104.413+/-0.010 χ^2/NDF: 11876765.0/10

- sign 103.176+/-0.014 χ^2/NDF: 6861841.5/51


asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 33.6/24
Left Out: -0.000+/-0.000 χ²/NDF:40.2/23
Right Out: 0.000+/-0.000 χ²/NDF: 27.9/28
Left In: -0.000+/-0.000 χ²/NDF:15.9/22
+ sign -0.000+/-0.000 χ²/NDF: 74.0/48
All: -0.000+/-0.000 χ²/NDF: 124.0/100
- sign 0.000+/-0.000 χ²/NDF: 44.6/51



Right In: 0.004+/-0.000 χ^2/NDF: 5148117.8/24

Left Out: 0.004+/-0.000 χ^2/NDF:833222.5/23

Right Out: 0.003+/-0.000 χ^2/NDF: 10291333.0/28

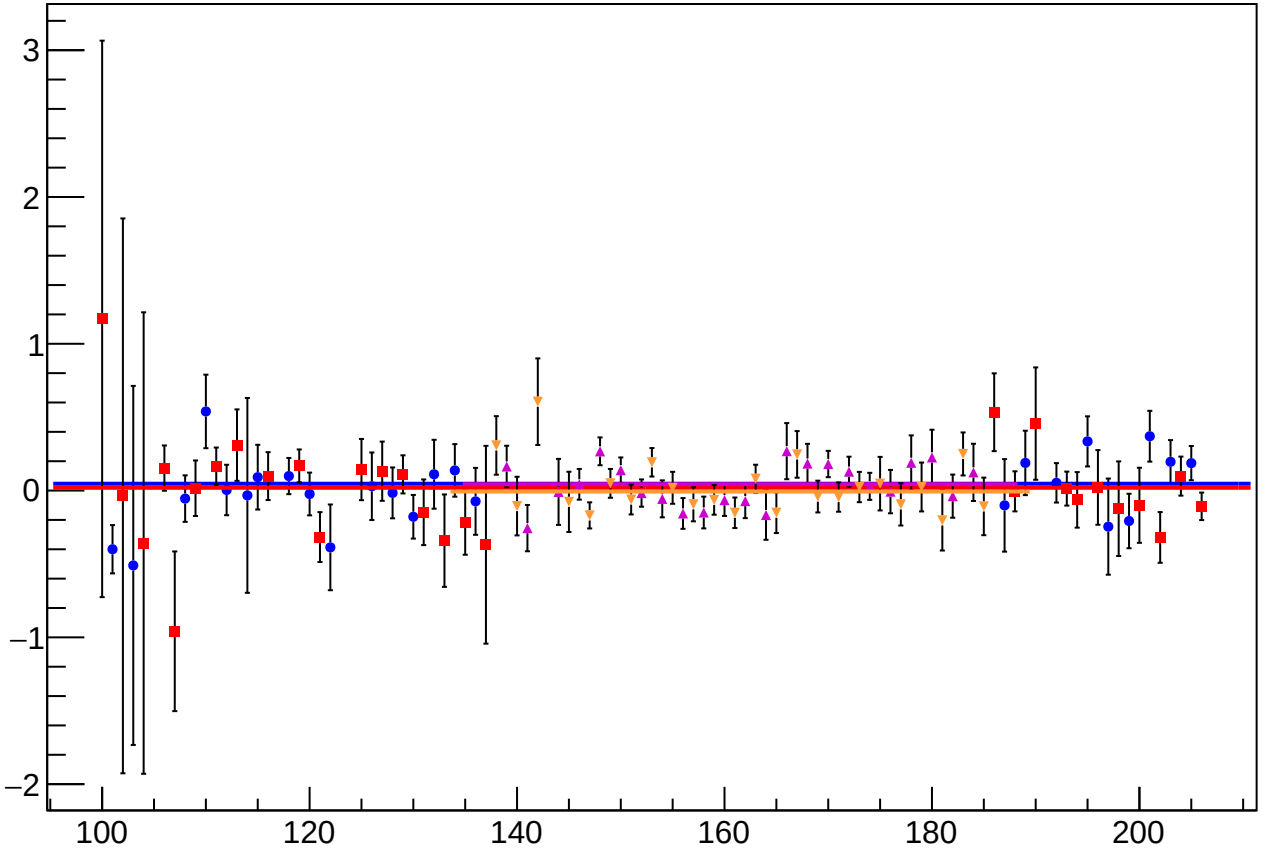
Left In: 0.004+/-0.000 χ^2/NDF:1277434.2/22

+ sign 0.004+/-0.000 χ^2/NDF: 6059385.8/48

All: 0.004+/-0.000 χ^2/NDF: 19381974.9/100

- sign 0.004+/-0.000 χ^2/NDF: 12823277.6/51

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.047+/-0.036 χ^2/NDF: 29.7/24

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

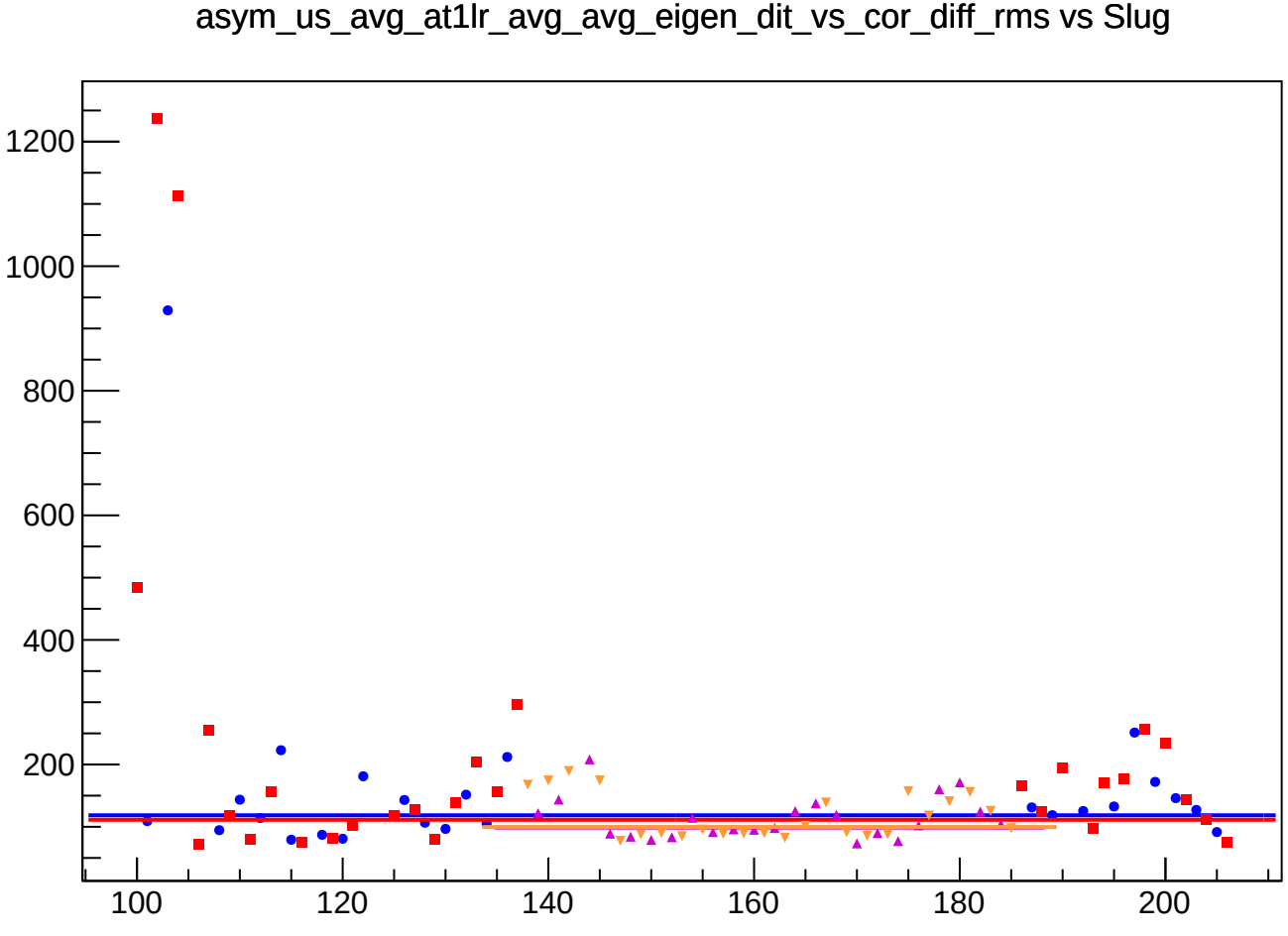
Right Out: 0.019+/-0.034 χ^2/NDF: 29.3/28

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.011+/-0.021 χ^2/NDF: 58.9/48

All: 0.023+/-0.014 χ^2/NDF: 119.4/100

- sign 0.035+/-0.020 χ^2/NDF: 59.9/51



Right In: 118.486+/-0.026 χ^2/NDF: 2565766.4/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

Right Out: 111.271+/-0.024 χ^2/NDF: 4677581.2/28

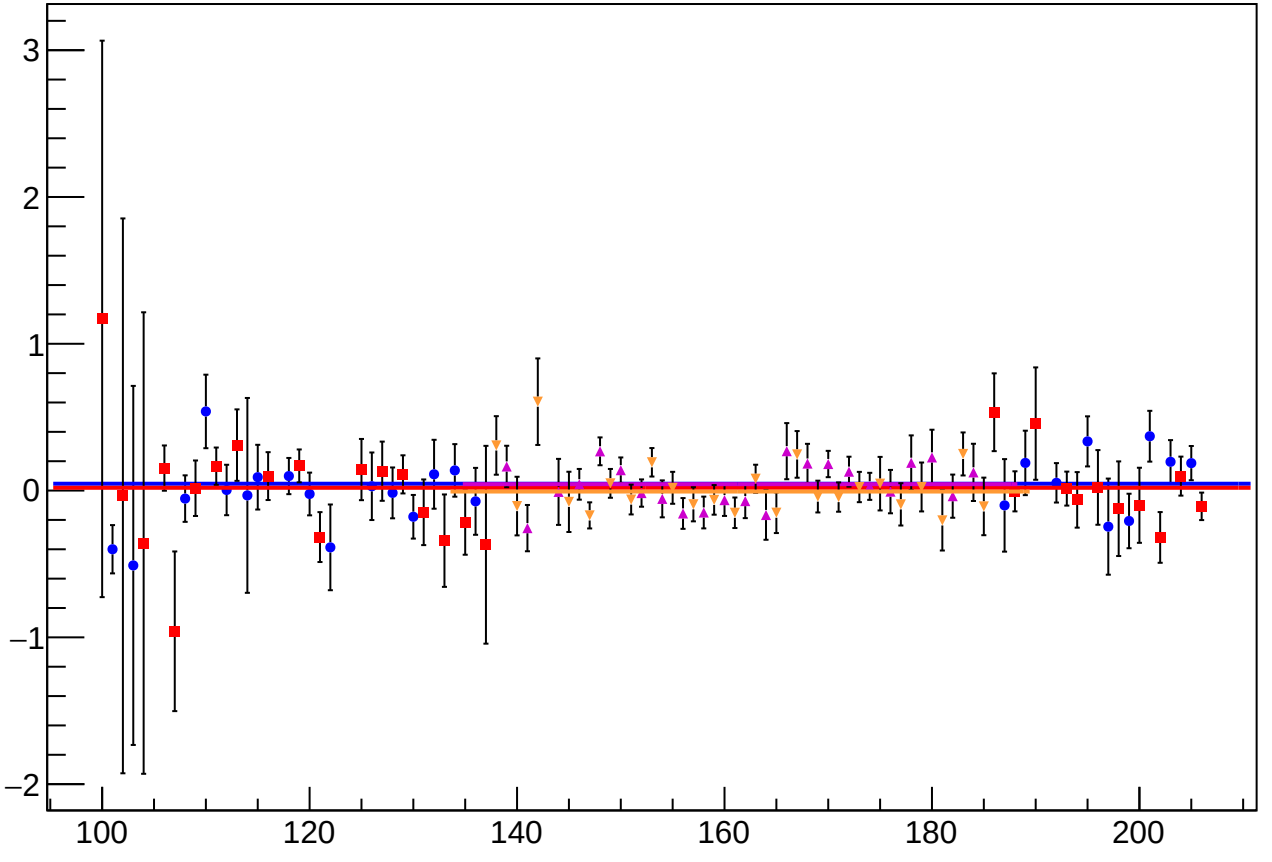
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 105.740+/-0.015 χ^2/NDF: 4999171.4/48

All: 104.413+/-0.010 χ^2/NDF: 11876658.5/10

- sign 103.176+/-0.014 χ^2/NDF: 6861764.5/51

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.047+/-0.036 χ^2/NDF: 29.7/24

Left Out: -0.007+/-0.025 χ^2/NDF:27.7/23

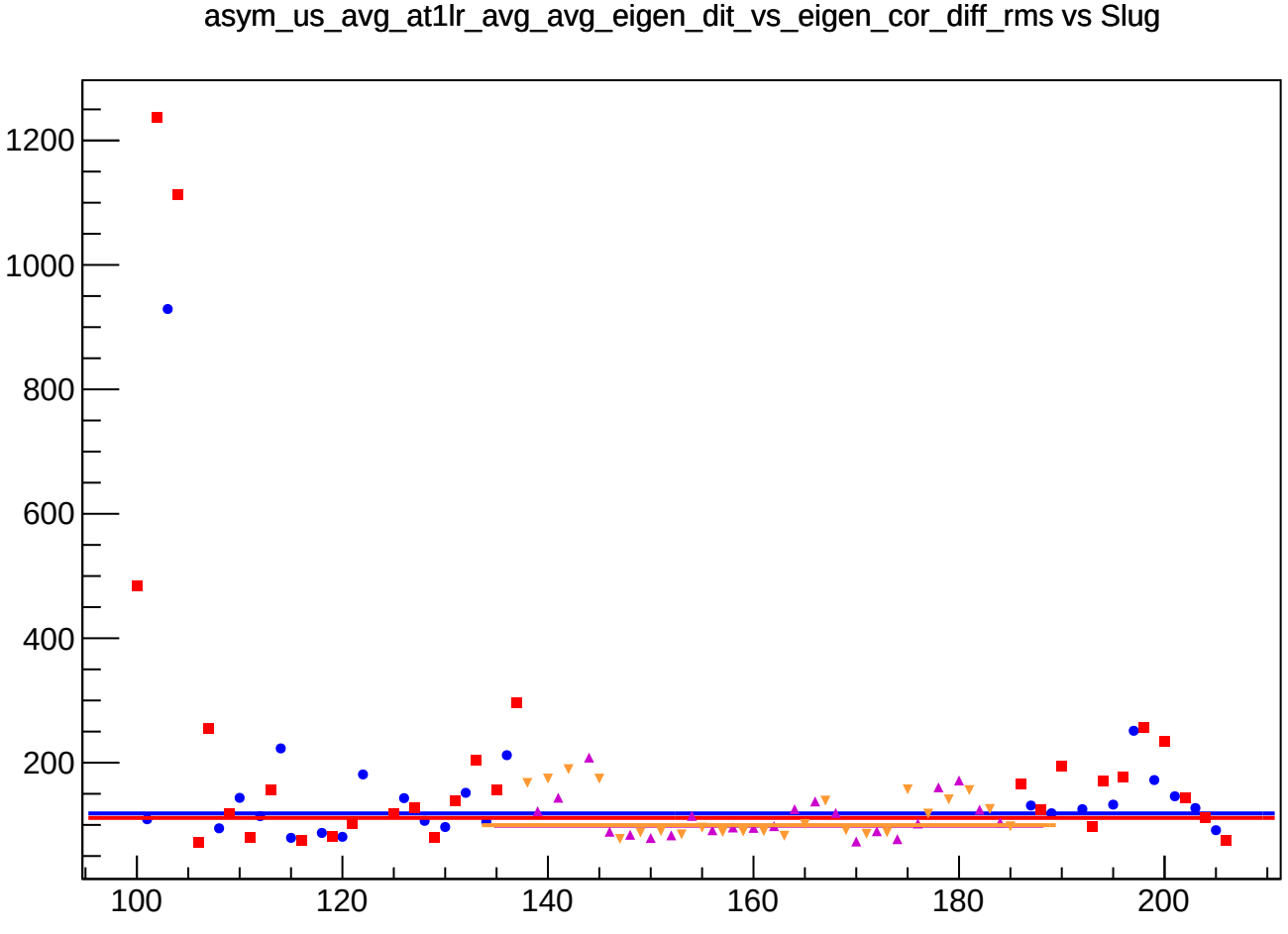
Right Out: 0.019+/-0.034 χ^2/NDF: 29.3/28

Left In: 0.044+/-0.025 χ^2/NDF:30.3/22

+ sign 0.011+/-0.021 χ^2/NDF: 58.9/48

All: 0.023+/-0.014 χ^2/NDF: 119.4/100

- sign 0.035+/-0.020 χ^2/NDF: 59.9/51



Right In: 118.486+/-0.026 χ^2/NDF: 2565766.4/24

Left Out: 99.590+/-0.018 χ^2/NDF:2070951.9/23

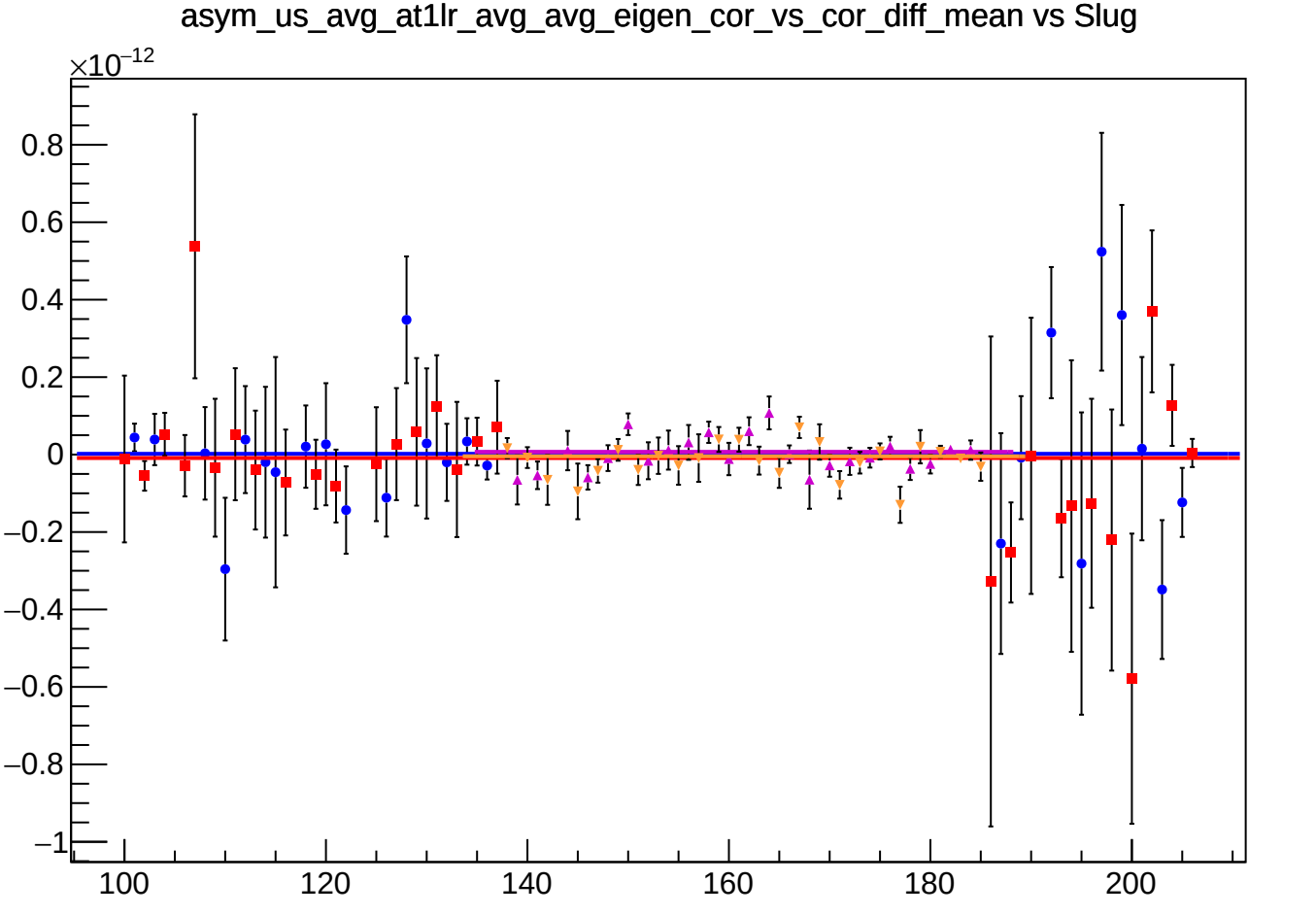
Right Out: 111.271+/-0.024 χ^2/NDF: 4677581.2/28

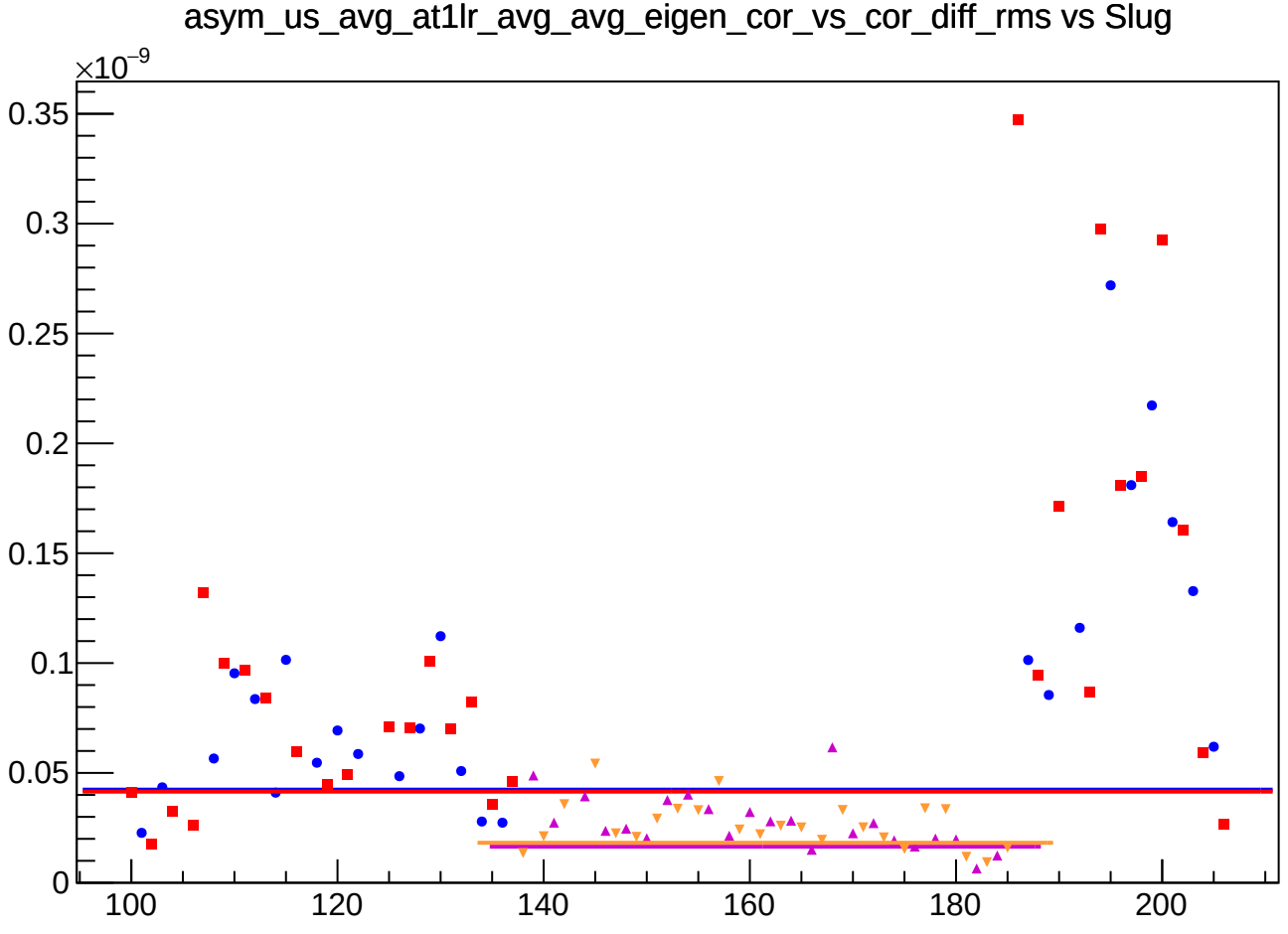
Left In: 98.669+/-0.018 χ^2/NDF:2003332.7/22

+ sign 105.740+/-0.015 χ^2/NDF: 4999171.4/48

All: 104.413+/-0.010 χ^2/NDF: 11876658.5/10

- sign 103.176+/-0.014 χ^2/NDF: 6861764.5/51


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
Right In: 0.000+/-0.000 χ²/NDF: 27.8/24
Left Out: -0.000+/-0.000 χ²/NDF:32.9/23
Right Out: -0.000+/-0.000 χ²/NDF: 21.6/28
Left In: 0.000+/-0.000 χ²/NDF:35.2/22
+ sign -0.000+/-0.000 χ²/NDF: 60.9/48
All: 0.000+/-0.000 χ²/NDF: 120.0/100
- sign 0.000+/-0.000 χ²/NDF: 57.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 5587397.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:4306302.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7243262.1/28

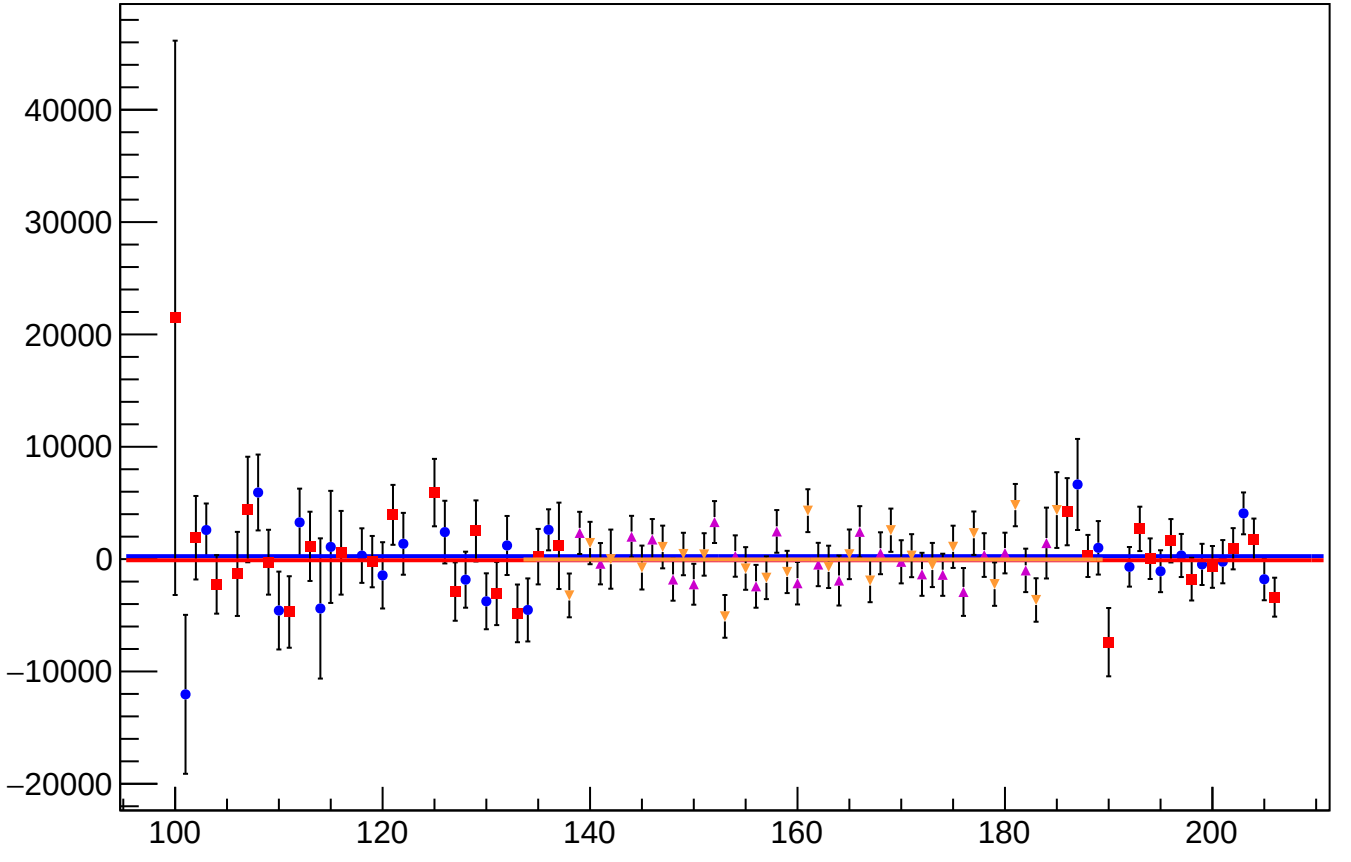
Left In: 0.000+/-0.000 χ^2/NDF:7007463.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13090043.9/48

All: 0.000+/-0.000 χ^2/NDF: 31094419.4/100

- sign 0.000+/-0.000 χ^2/NDF: 17882900.0/51

reg_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 262.544+/-485.360 χ^2/NDF: 28.4/24

Left Out: -34.799+/-401.970 χ^2/NDF:35.4/23

Right Out: -100.357+/-457.121 χ^2/NDF: 34.5/28

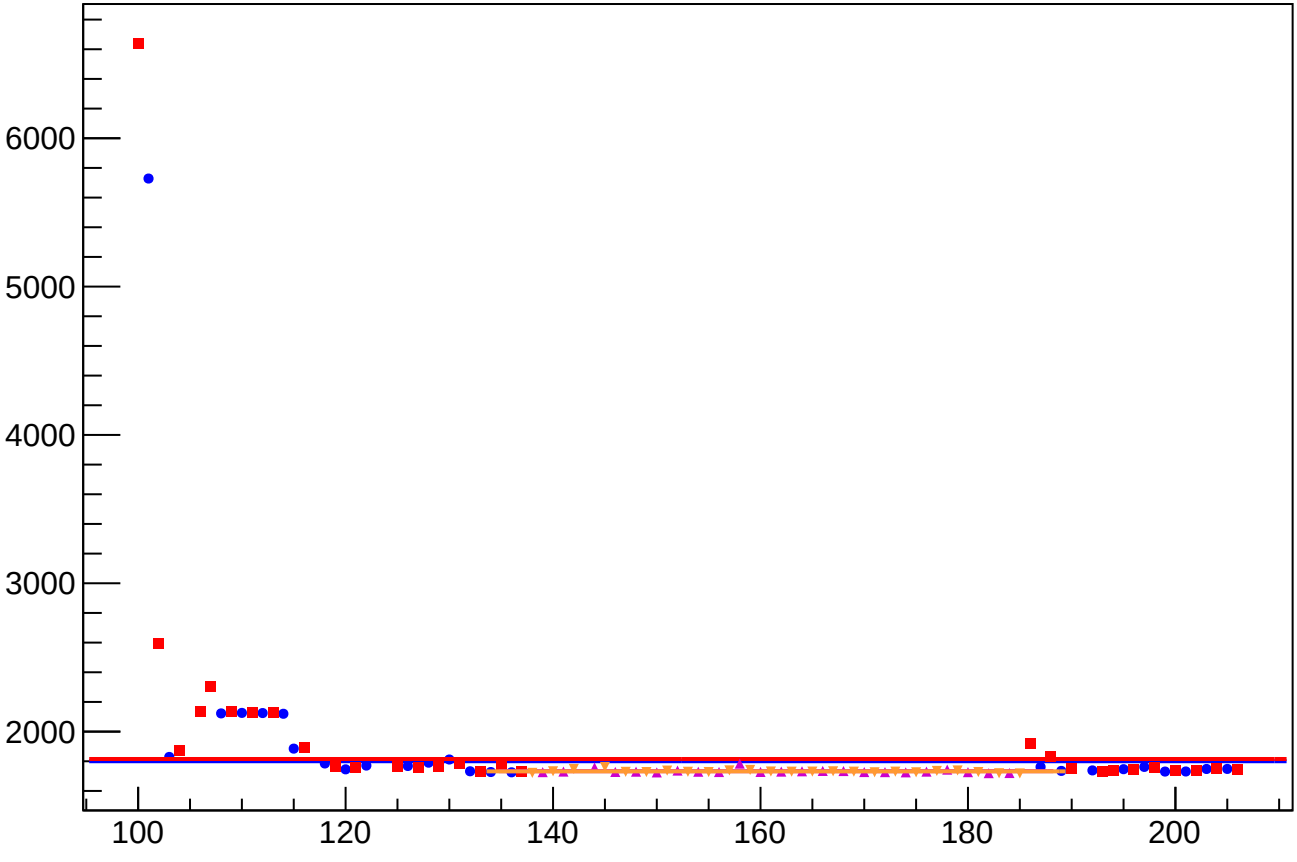
Left In: -52.796+/-404.703 χ^2/NDF:19.4/22

+ sign 86.173+/-309.584 χ^2/NDF: 64.0/48

All: 4.525+/-216.549 χ^2/NDF: 118.1/100

- sign -73.694+/-303.014 χ^2/NDF: 53.9/51

reg_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1800.286+/-0.343 χ^2/NDF: 704610.1/24

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

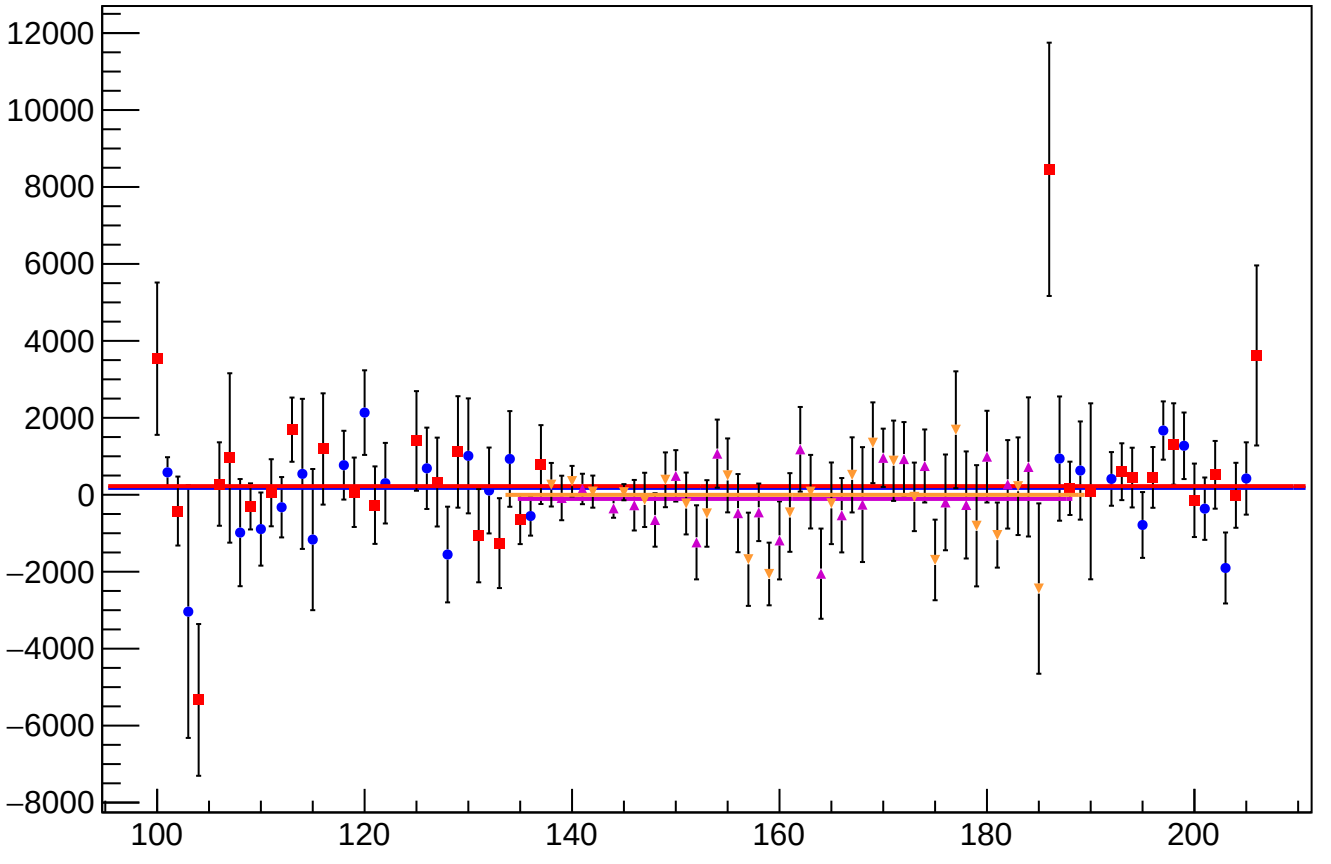
Right Out: 1815.384+/-0.323 χ^2/NDF: 304422.6/28

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1759.773+/-0.219 χ^2/NDF: 729039.4/48

All: 1764.678+/-0.153 χ^2/NDF: 1072813.8/10

- sign 1769.376+/-0.214 χ^2/NDF: 342791.5/51



Right In: 178.647+/-176.852 χ^2/NDF: 26.3/24

Left Out: -2.406+/-130.052 χ^2/NDF:20.3/23

Right Out: 224.479+/-182.742 χ^2/NDF: 32.2/28

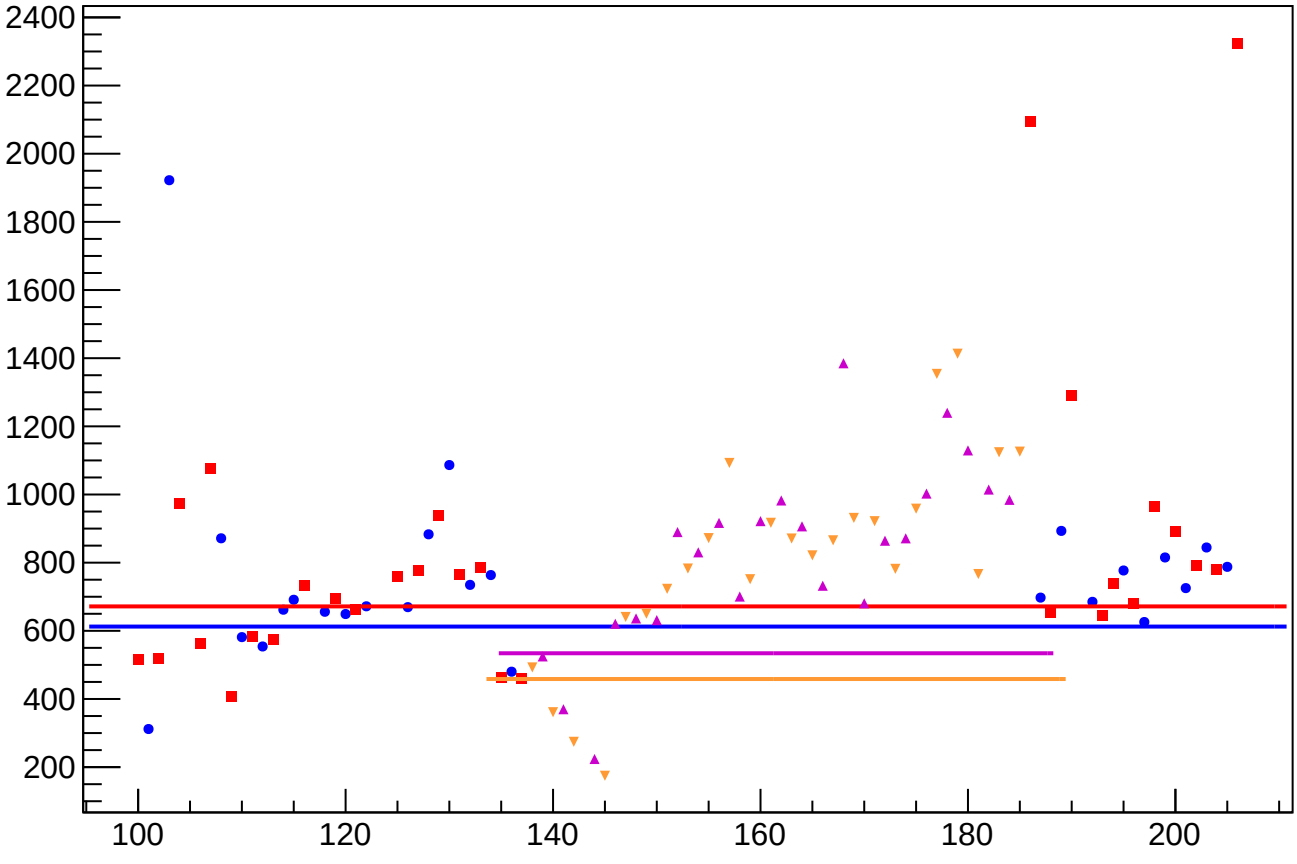
Left In: -108.386+/-143.315 χ^2/NDF:17.0/22

+ sign 61.139+/-104.773 χ^2/NDF: 47.2/48

All: 41.328+/-76.758 χ^2/NDF: 98.6/100

- sign 18.376+/-112.771 χ^2/NDF: 51.3/51

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs Slug



Right In: 612.483+/-0.125 χ^2/NDF: 2620908.7/24

Left Out: 458.579+/-0.092 χ^2/NDF:11426734.4/23

Right Out: 671.646+/-0.129 χ^2/NDF: 2932663.7/28

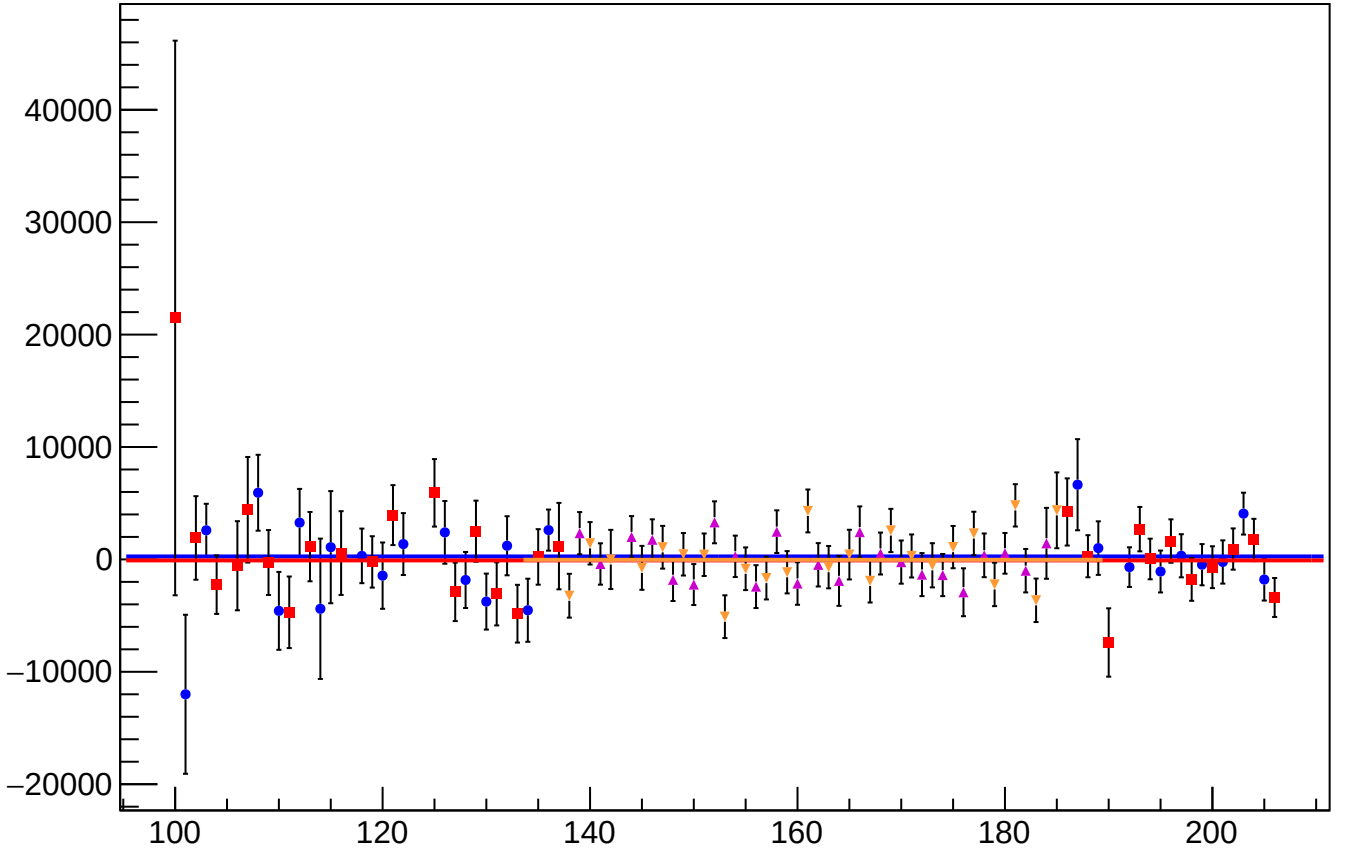
Left In: 534.161+/-0.101 χ^2/NDF:8443293.1/22

+ sign 512.595+/-0.074 χ^2/NDF: 15030681.3/48

All: 546.842+/-0.054 χ^2/NDF: 27568842.8/10

- sign 586.518+/-0.080 χ^2/NDF: 12076905.9/51

cor_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 262.520+/-485.360 χ^2/NDF: 28.4/24

Left Out: -34.742+/-401.970 χ^2/NDF:35.4/23

Right Out: -88.222+/-457.493 χ^2/NDF: 34.4/28

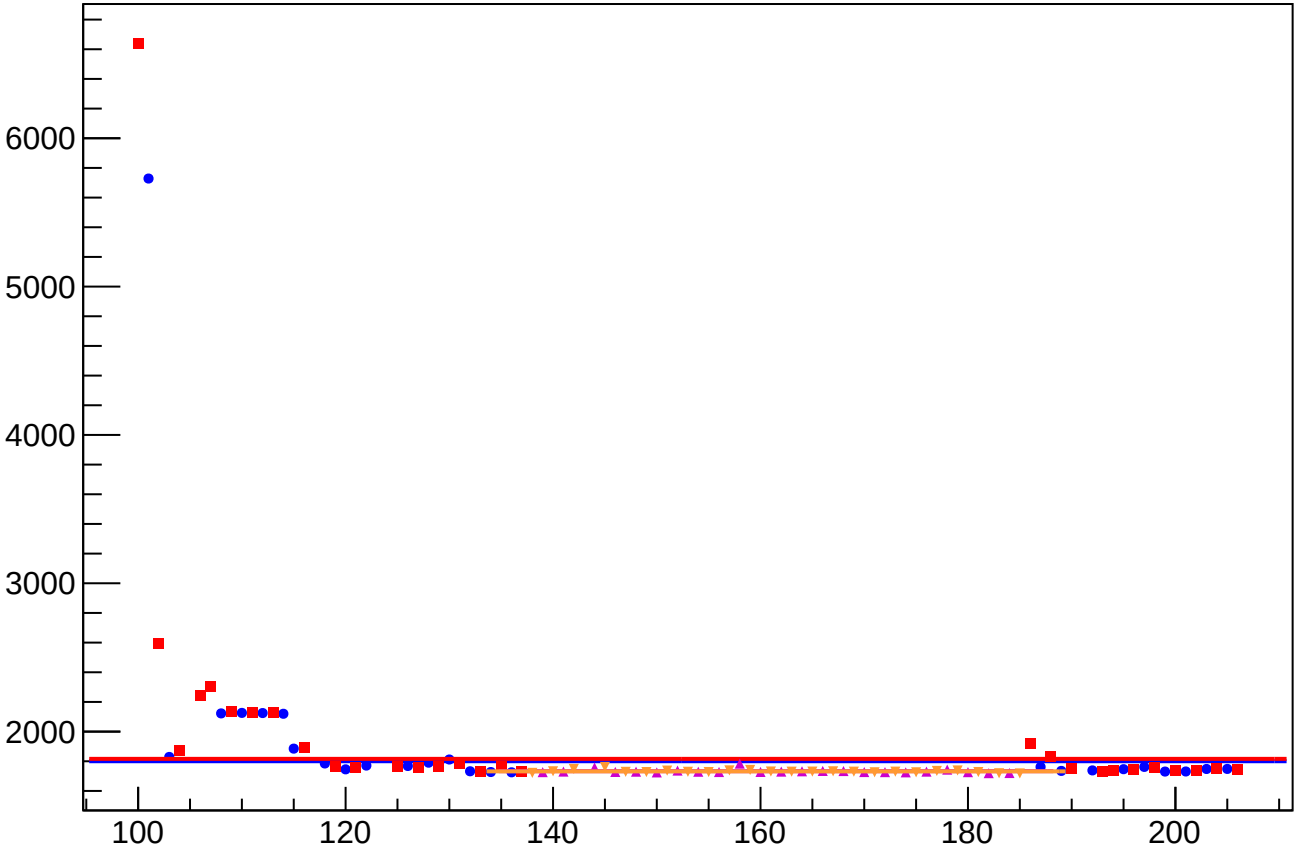
Left In: -52.714+/-404.703 χ^2/NDF:19.4/22

+ sign 86.197+/-309.584 χ^2/NDF: 64.0/48

All: 7.318+/-216.588 χ^2/NDF: 118.0/100

- sign -68.302+/-303.122 χ^2/NDF: 53.8/51

cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1800.286+/-0.343 χ^2/NDF: 704609.9/24

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

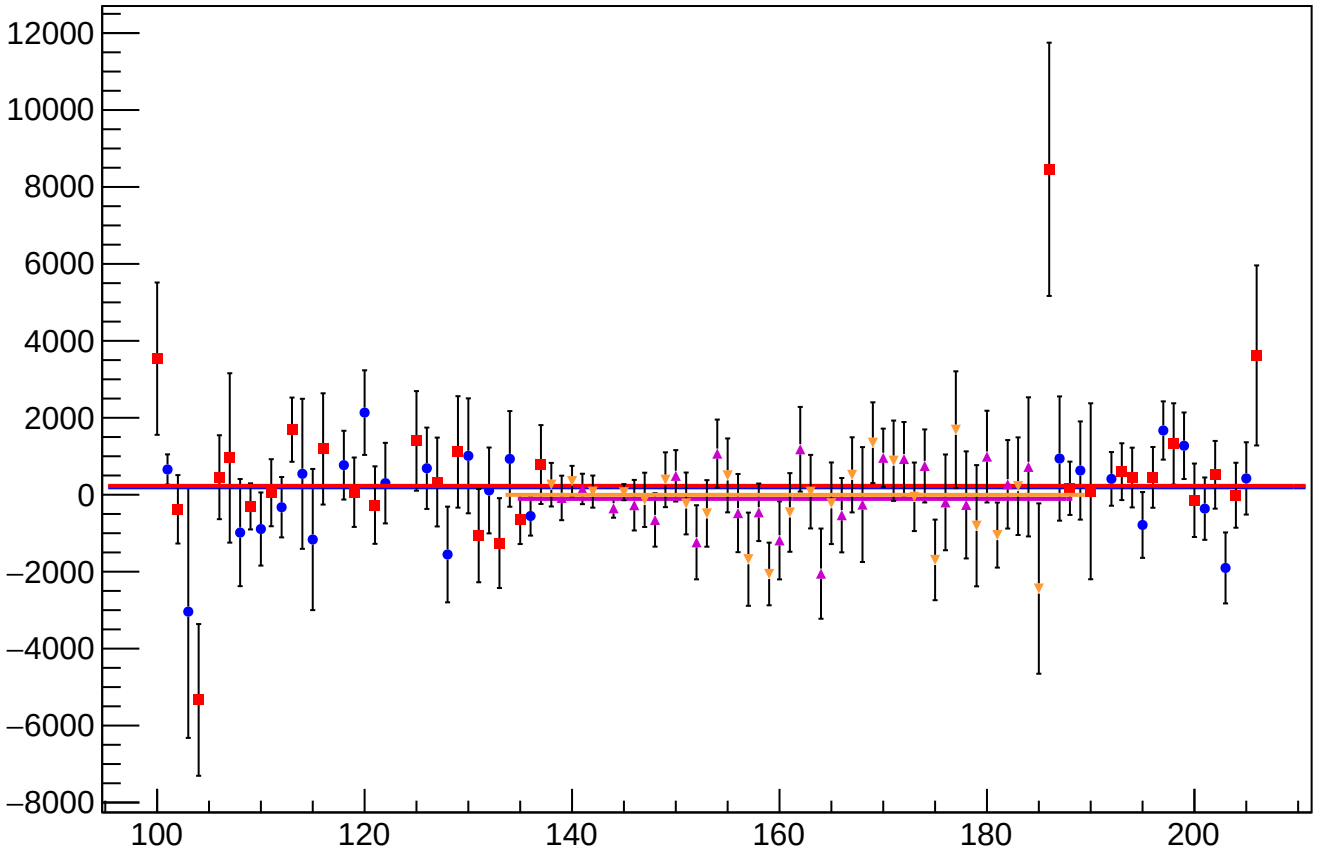
Right Out: 1816.260+/-0.323 χ^2/NDF: 312804.9/28

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1759.773+/-0.219 χ^2/NDF: 729039.2/48

All: 1764.856+/-0.153 χ^2/NDF: 1082011.6/10

- sign 1769.728+/-0.214 χ^2/NDF: 351916.6/51



Right In: 193.723+/-176.813 χ^2/NDF: 26.7/24

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

Right Out: 230.890+/-182.716 χ^2/NDF: 32.2/28

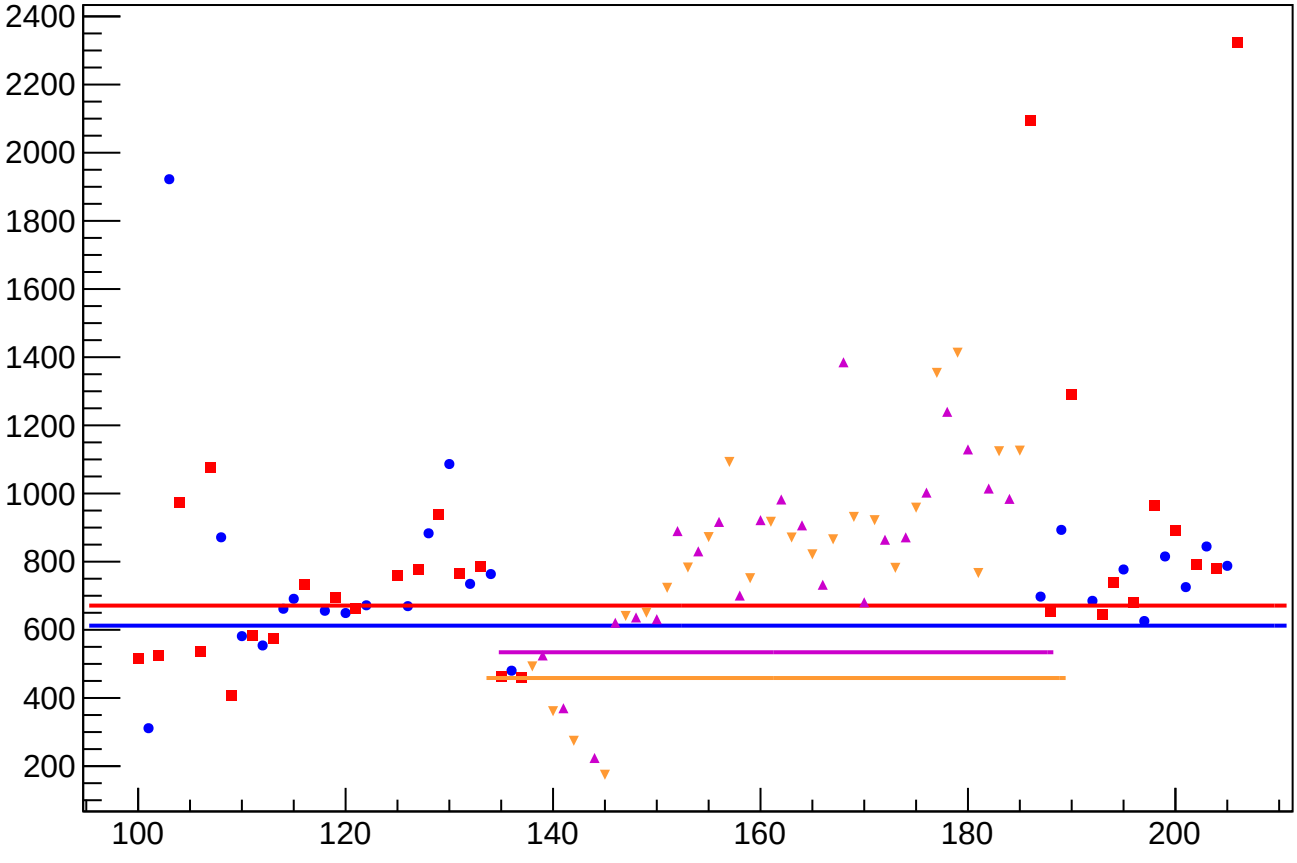
Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 66.371+/-104.765 χ^2/NDF: 47.8/48

All: 45.286+/-76.753 χ^2/NDF: 99.2/100

- sign 20.858+/-112.766 χ^2/NDF: 51.3/51

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs Slug



Right In: 612.250+/-0.125 χ^2/NDF: 2627355.8/24

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

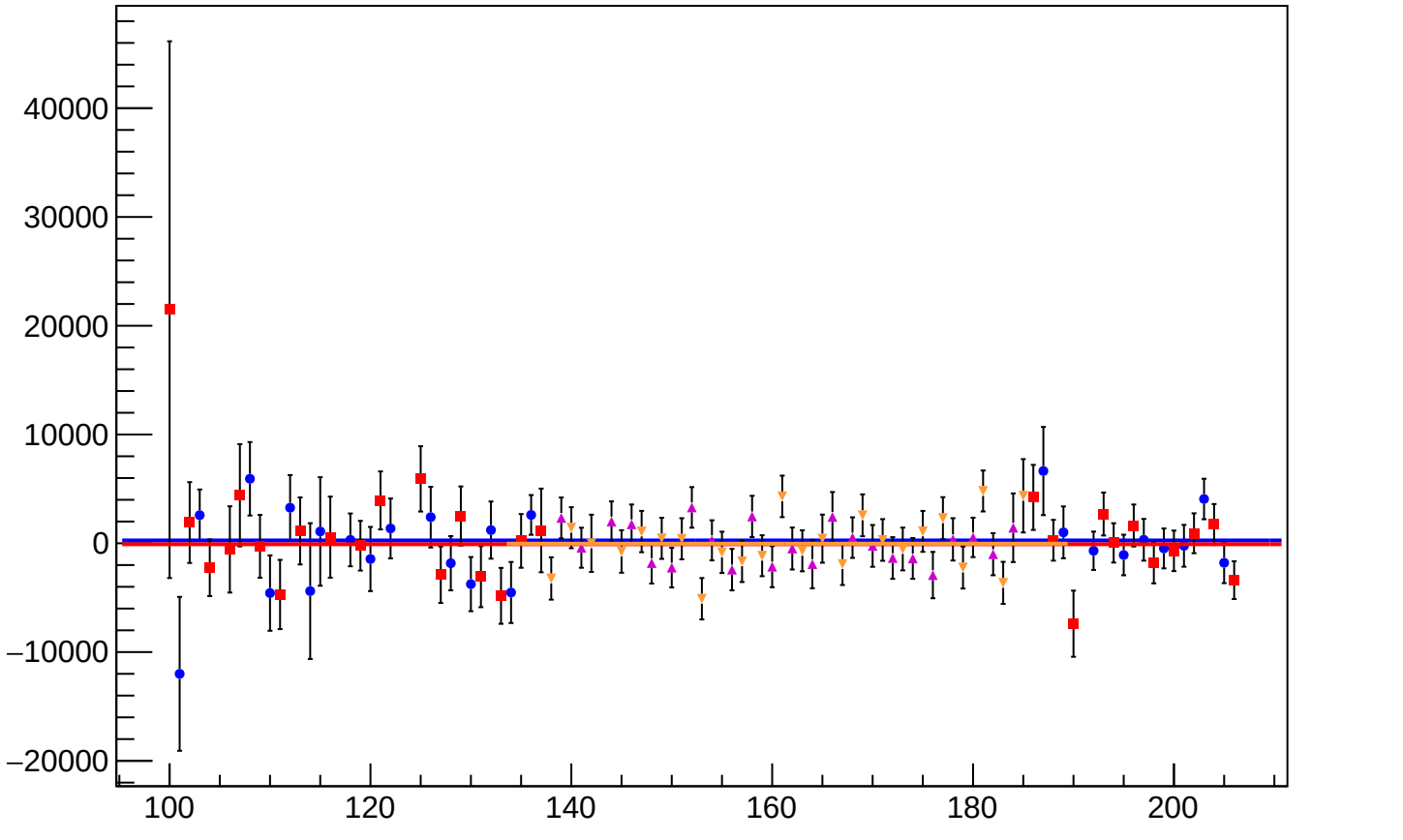
Right Out: 671.119+/-0.129 χ^2/NDF: 2939041.6/28

Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

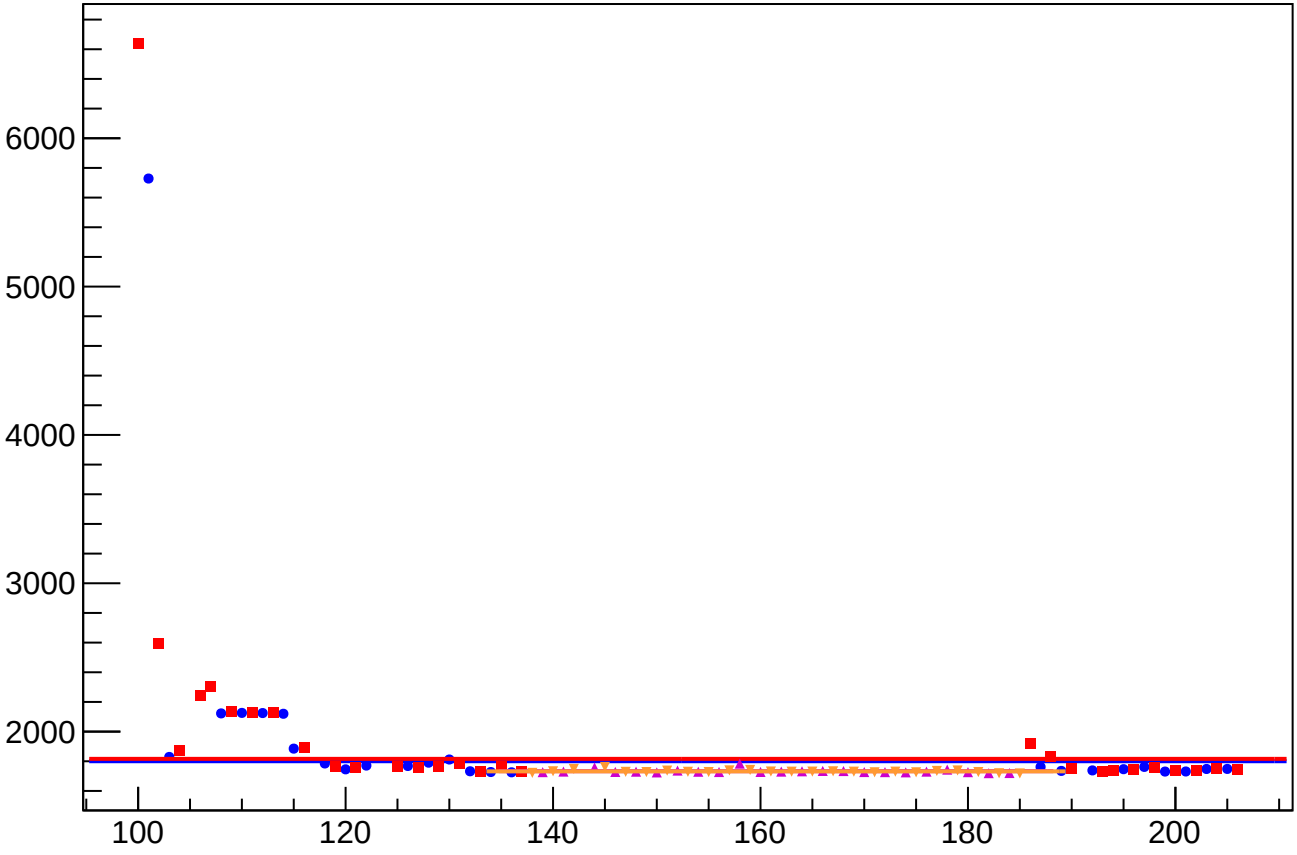
+ sign 512.536+/-0.074 χ^2/NDF: 15033877.4/48

All: 546.724+/-0.054 χ^2/NDF: 27571053.7/10

- sign 586.331+/-0.080 χ^2/NDF: 12077468.7/51


eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs Slug
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: 262.520+/-485.360 χ²/NDF: 28.4/24
Left Out: -34.742+/-401.970 χ²/NDF:35.4/23
Right Out: -88.222+/-457.493 χ²/NDF: 34.4/28
Left In: -52.714+/-404.703 χ²/NDF:19.4/22
+ sign 86.197+/-309.584 χ²/NDF: 64.0/48
All: 7.318+/-216.588 χ²/NDF: 118.0/100
- sign -68.302+/-303.122 χ²/NDF: 53.8/51

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1800.286+/-0.343 χ^2/NDF: 704609.9/24

Left Out: 1731.985+/-0.284 χ^2/NDF:937.2/23

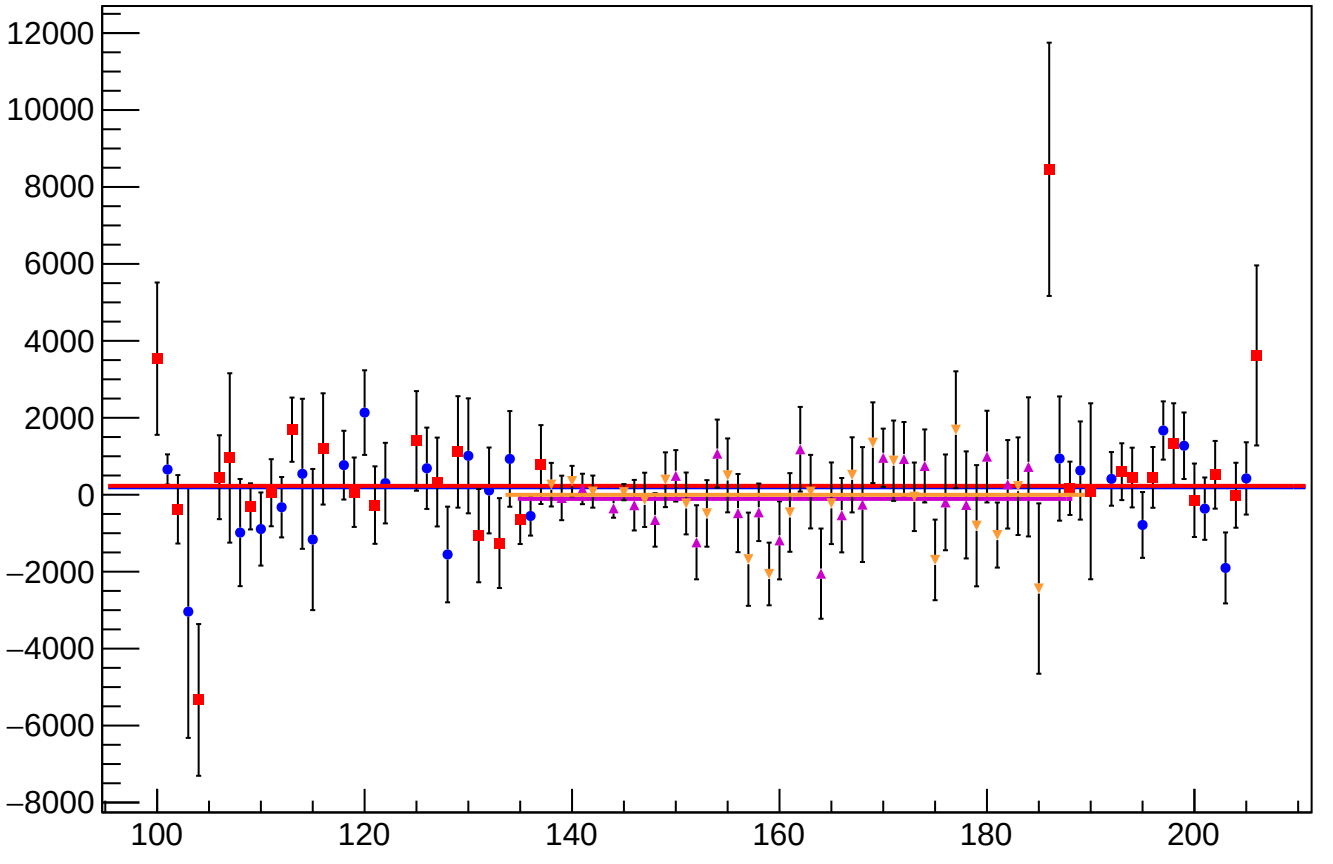
Right Out: 1816.260+/-0.323 χ^2/NDF: 312804.9/28

Left In: 1733.315+/-0.286 χ^2/NDF:2230.5/22

+ sign 1759.773+/-0.219 χ^2/NDF: 729039.2/48

All: 1764.856+/-0.153 χ^2/NDF: 1082011.6/10

- sign 1769.728+/-0.214 χ^2/NDF: 351916.6/51



Right In: 193.723+/-176.813 χ^2/NDF: 26.7/24

Left Out: -2.529+/-130.054 χ^2/NDF:20.3/23

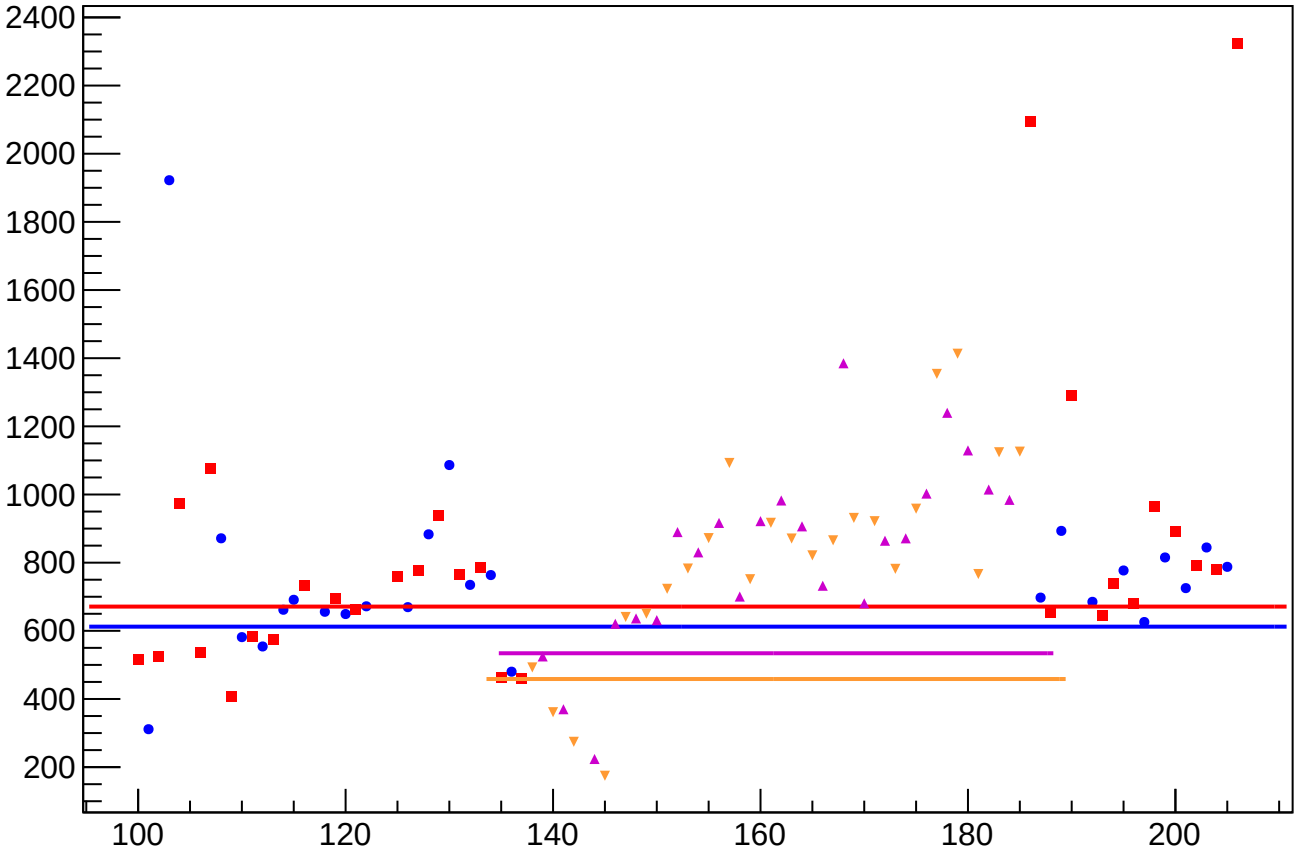
Right Out: 230.890+/-182.716 χ^2/NDF: 32.2/28

Left In: -108.358+/-143.315 χ^2/NDF:17.0/22

+ sign 66.371+/-104.765 χ^2/NDF: 47.8/48

All: 45.286+/-76.753 χ^2/NDF: 99.2/100

- sign 20.858+/-112.766 χ^2/NDF: 51.3/51



Right In: 612.250+/-0.125 χ^2/NDF: 2627355.8/24

Left Out: 458.589+/-0.092 χ^2/NDF:11426319.1/23

Right Out: 671.119+/-0.129 χ^2/NDF: 2939041.6/28

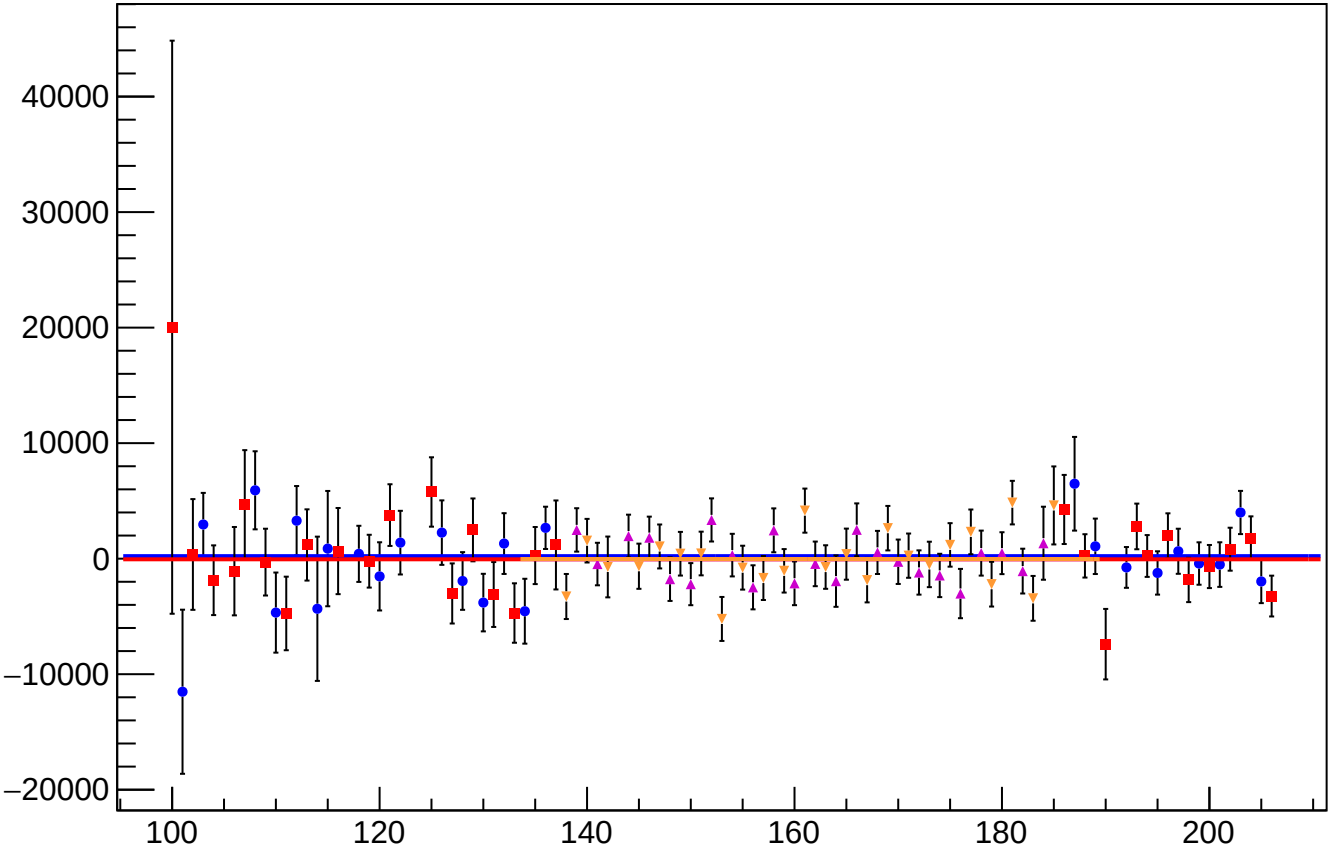
Left In: 534.168+/-0.101 χ^2/NDF:8442812.5/22

+ sign 512.536+/-0.074 χ^2/NDF: 15033877.4/48

All: 546.724+/-0.054 χ^2/NDF: 27571053.7/10

- sign 586.331+/-0.080 χ^2/NDF: 12077468.7/51

dit_asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 218.734+/-489.465 χ^2/NDF: 28.6/24

Left Out: -29.389+/-402.317 χ^2/NDF:35.4/23

Right Out: -54.736+/-462.476 χ^2/NDF: 33.5/28

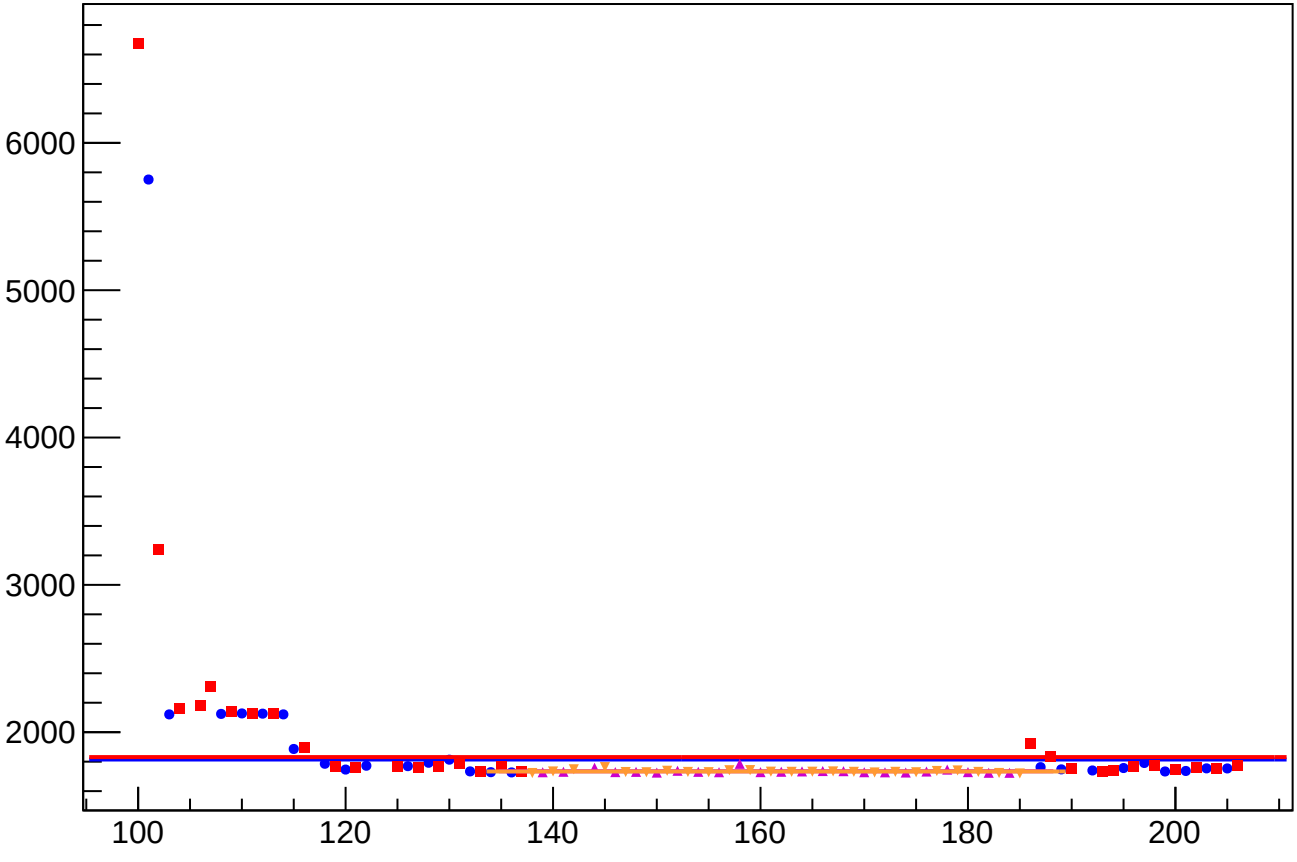
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 70.655+/-310.801 χ^2/NDF: 64.2/48

All: 10.259+/-217.583 χ^2/NDF: 117.6/100

- sign -47.792+/-304.707 χ^2/NDF: 53.4/51

dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1814.658+/-0.346 χ^2/NDF: 728847.5/24

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

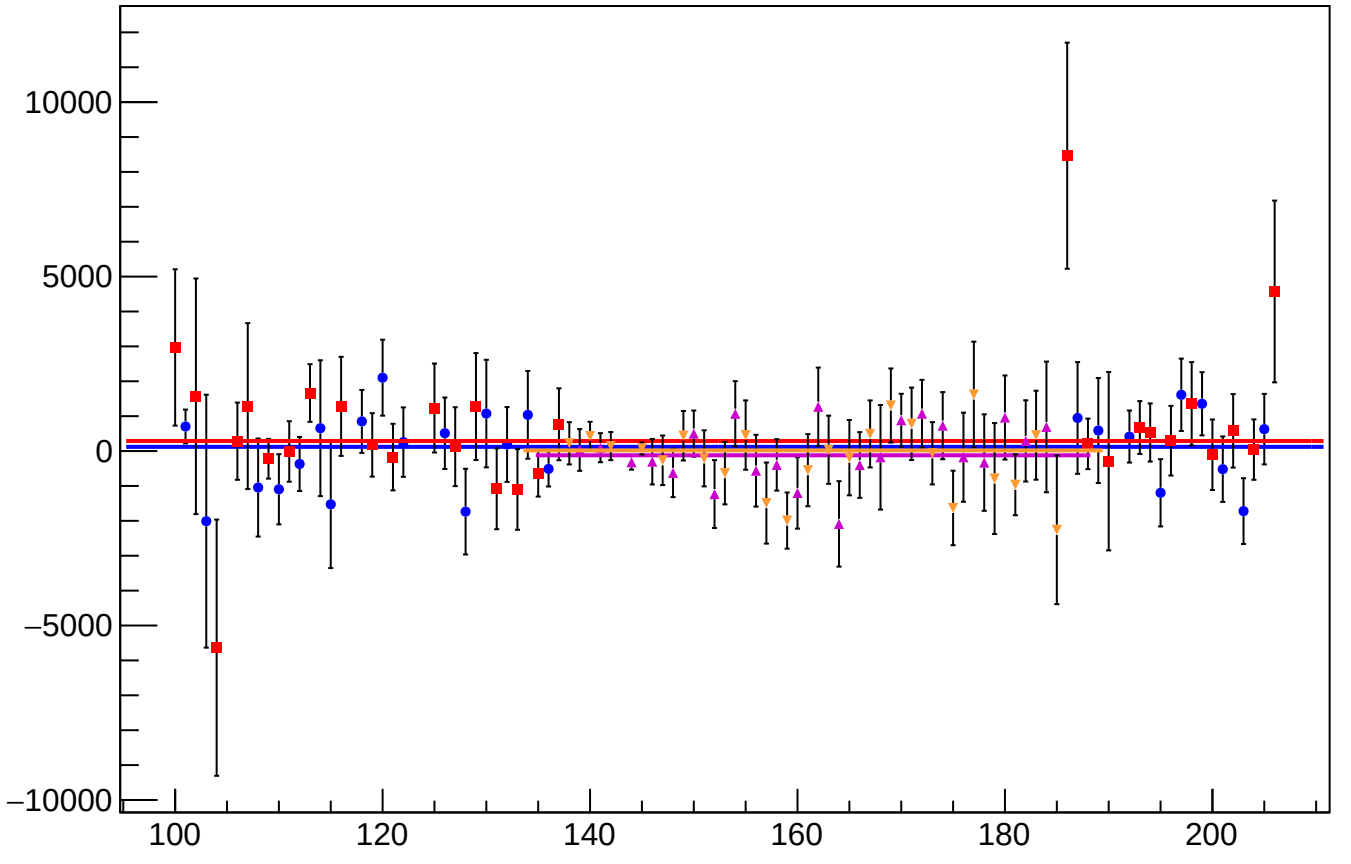
Right Out: 1830.998+/-0.327 χ^2/NDF: 412058.4/28

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1766.210+/-0.220 χ^2/NDF: 762581.7/48

All: 1771.490+/-0.154 χ^2/NDF: 1226907.8/10

- sign 1776.565+/-0.215 χ^2/NDF: 463194.1/51



Right In: 120.649+/-189.944 χ^2/NDF: 25.0/24

Left Out: 18.027+/-119.333 χ^2/NDF:19.4/23

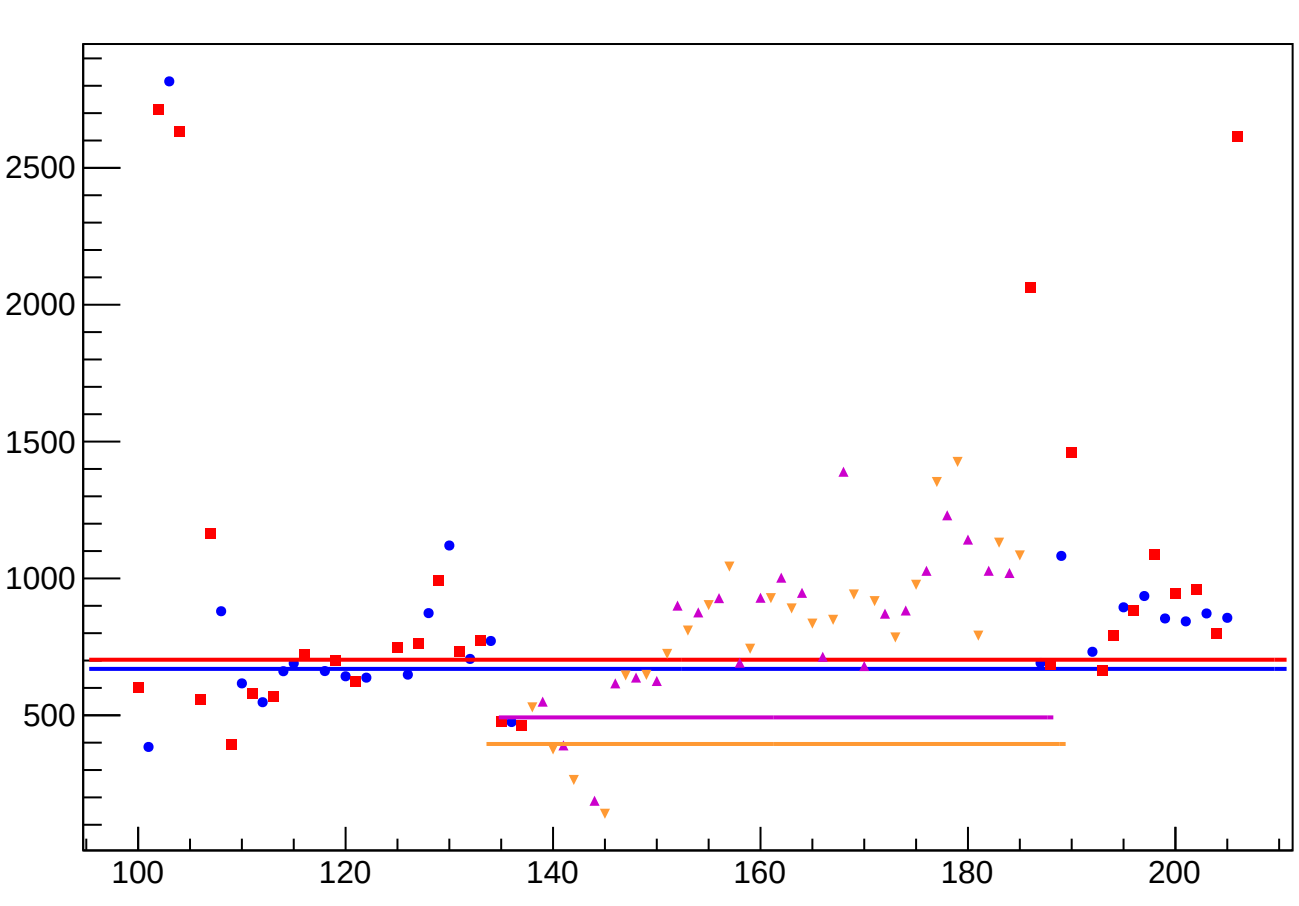
Right Out: 287.057+/-192.653 χ^2/NDF: 25.3/28

Left In: -121.705+/-137.150 χ^2/NDF:16.5/22

\+ sign 47.069+/-101.046 χ^2/NDF: 44.6/48

All: 32.991+/-74.943 χ^2/NDF: 89.5/100

\- sign 15.779+/-111.729 χ^2/NDF: 44.8/51



Right In: 669.499+/-0.134 χ^2/NDF: 2754941.5/24

Left Out: 395.188+/-0.084 χ^2/NDF:14334419.9/23

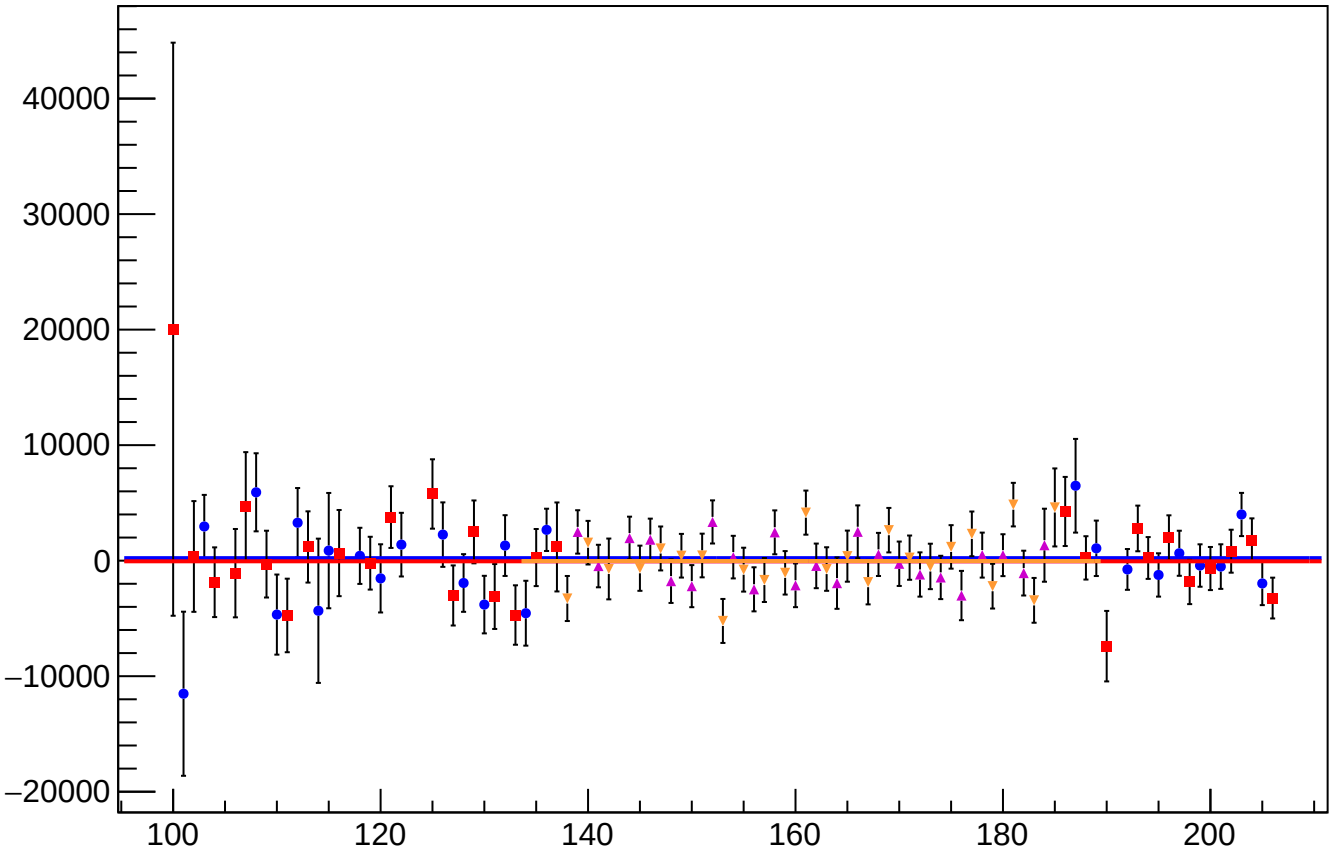
Right Out: 702.993+/-0.136 χ^2/NDF: 4671403.0/28

Left In: 492.294+/-0.097 χ^2/NDF:10419498.8/22

\+ sign 472.819+/-0.071 χ^2/NDF: 20080141.5/48

All: 513.466+/-0.053 χ^2/NDF: 37477959.9/10

\- sign 563.161+/-0.079 χ^2/NDF: 16678521.0/51



Right In: 218.734+/-489.465 χ^2/NDF: 28.6/24

Left Out: -29.392+/-402.317 χ^2/NDF:35.4/23

Right Out: -54.735+/-462.476 χ^2/NDF: 33.5/28

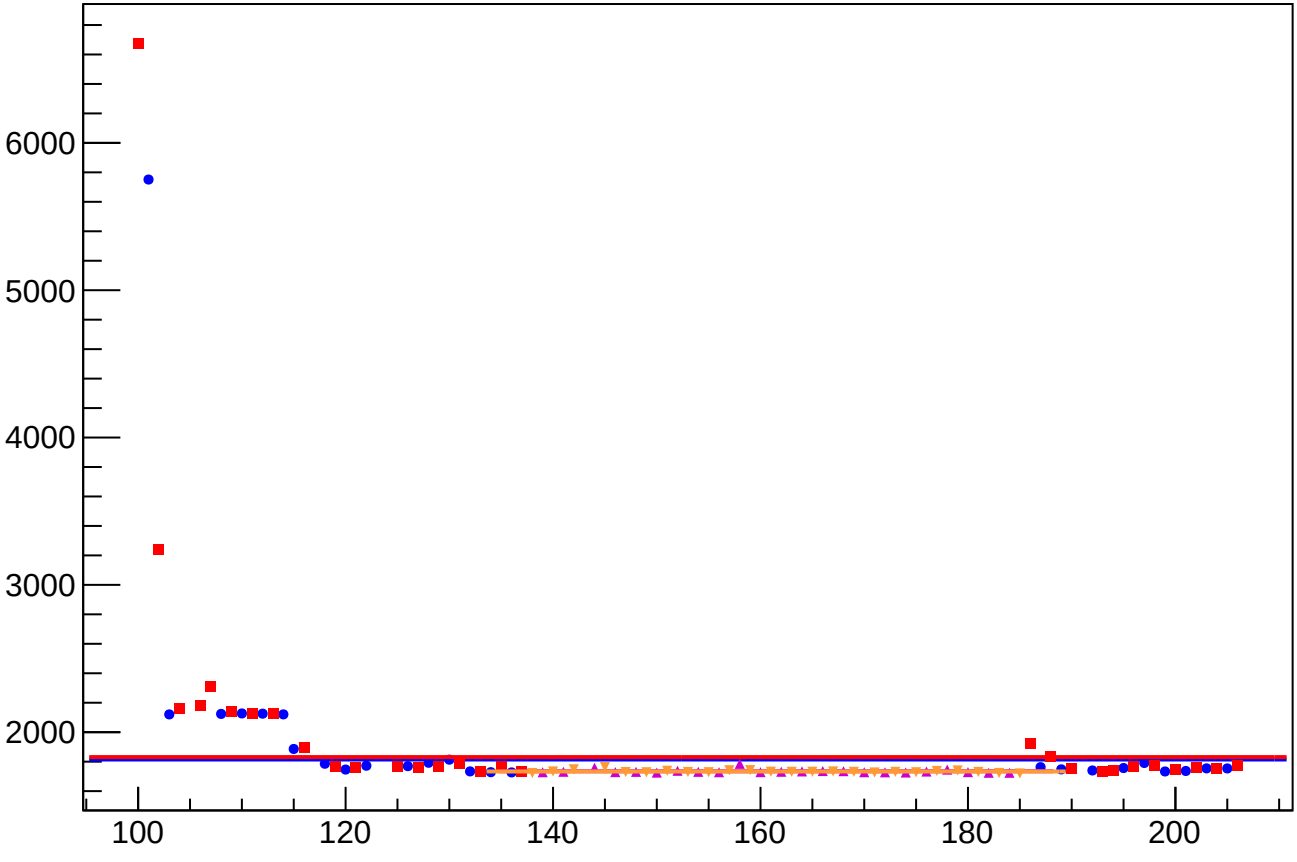
Left In: -42.465+/-405.052 χ^2/NDF:19.9/22

+ sign 70.653+/-310.801 χ^2/NDF: 64.2/48

All: 10.258+/-217.583 χ^2/NDF: 117.6/100

- sign -47.791+/-304.707 χ^2/NDF: 53.4/51

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 1814.658+/-0.346 χ^2/NDF: 728847.1/24

Left Out: 1733.478+/-0.284 χ^2/NDF:901.3/23

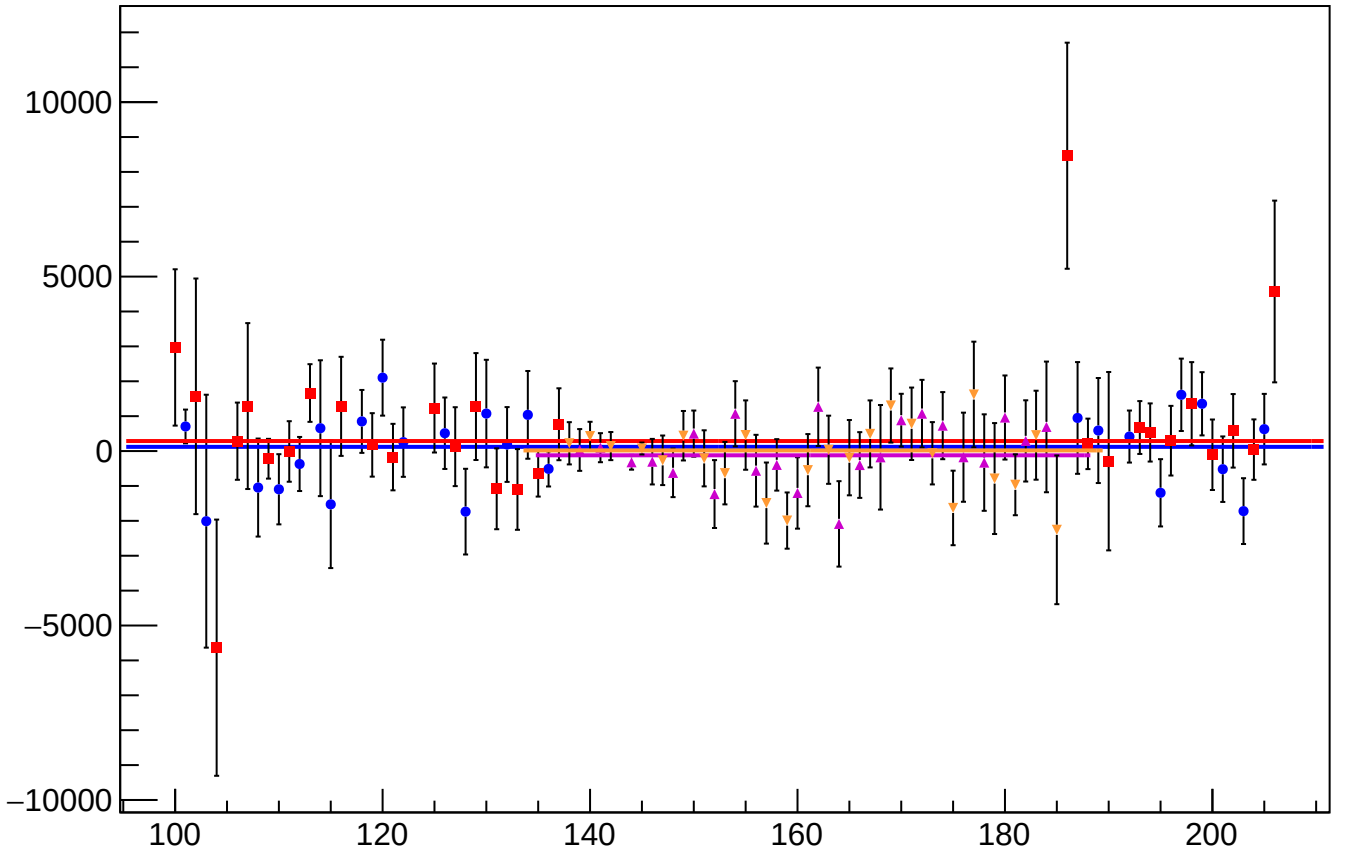
Right Out: 1830.998+/-0.327 χ^2/NDF: 412057.4/28

Left In: 1734.810+/-0.286 χ^2/NDF:2175.7/22

+ sign 1766.210+/-0.220 χ^2/NDF: 762581.3/48

All: 1771.490+/-0.154 χ^2/NDF: 1226906.5/10

- sign 1776.565+/-0.215 χ^2/NDF: 463193.2/51



Right In: 120.648+/-189.943 χ^2/NDF: 25.0/24

Left Out: 18.026+/-119.333 χ^2/NDF:19.4/23

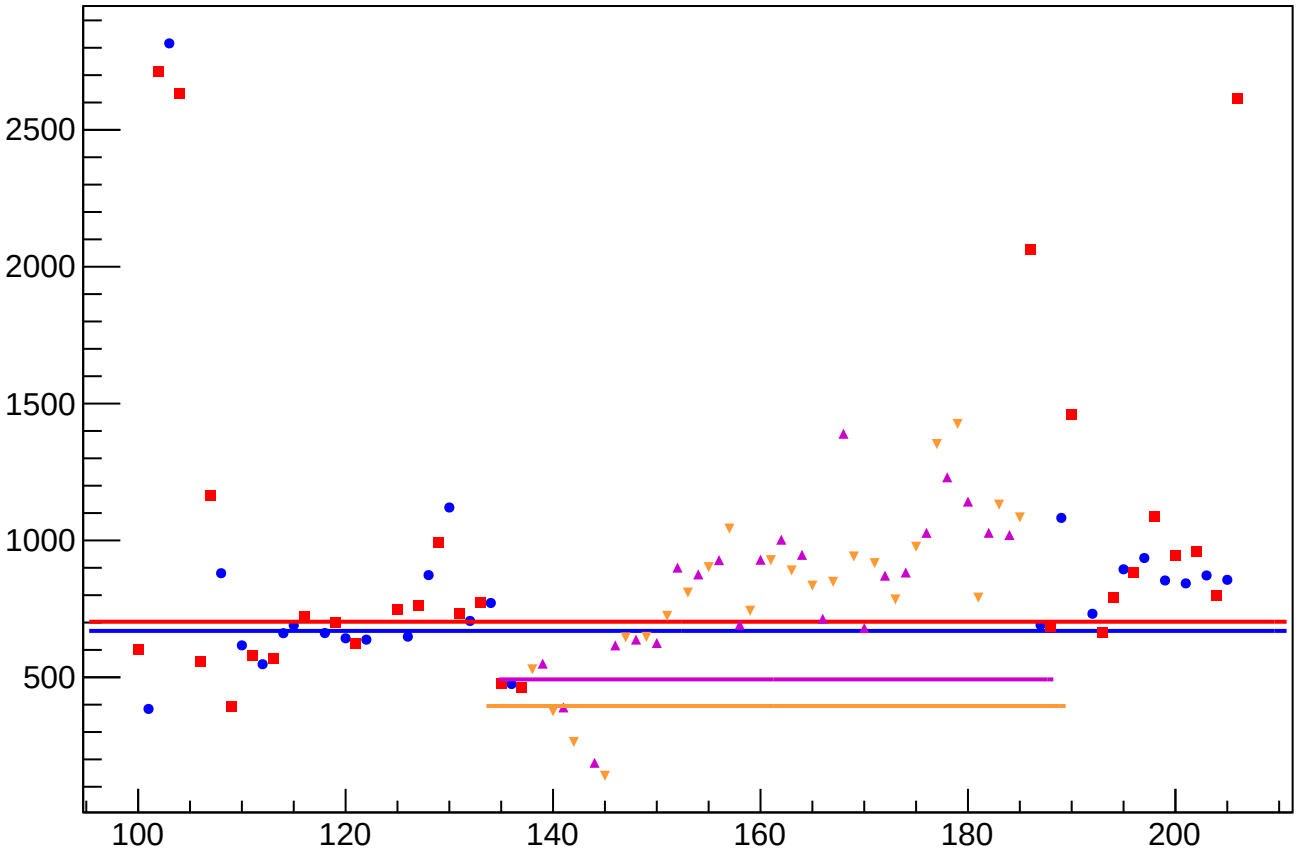
Right Out: 287.054+/-192.652 χ^2/NDF: 25.3/28

Left In: -121.706+/-137.150 χ^2/NDF:16.5/22

\+ sign 47.068+/-101.046 χ^2/NDF: 44.6/48

All: 32.991+/-74.943 χ^2/NDF: 89.5/100

\- sign 15.779+/-111.729 χ^2/NDF: 44.8/51



Right In: 669.498+/-0.134 χ^2/NDF: 2754954.1/24

Left Out: 395.188+/-0.084 χ^2/NDF:14334464.6/23

Right Out: 702.989+/-0.136 χ^2/NDF: 4671456.3/28

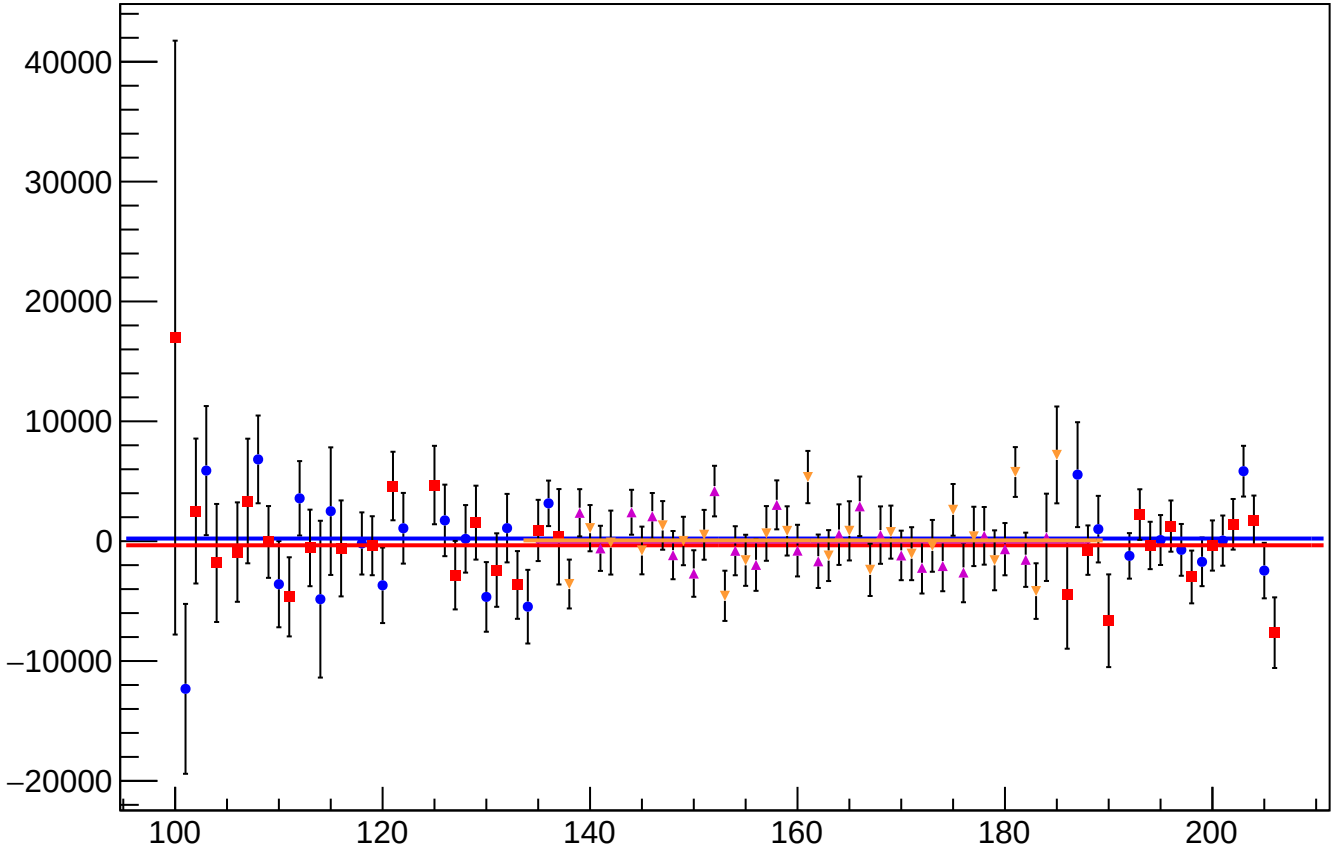
Left In: 492.295+/-0.097 χ^2/NDF:10419523.2/22

+ sign 472.819+/-0.071 χ^2/NDF: 20080170.7/48

All: 513.465+/-0.053 χ^2/NDF: 37478004.0/10

- sign 563.161+/-0.079 χ^2/NDF: 16678538.5/51

asym_us_avg_at1lr_avg_dd_mean vs Slug



Right In: 219.263+/-543.926 χ^2/NDF: 32.8/24

Left Out: 66.661+/-449.750 χ^2/NDF:33.6/23

Right Out: -343.663+/-523.890 χ^2/NDF: 26.5/28

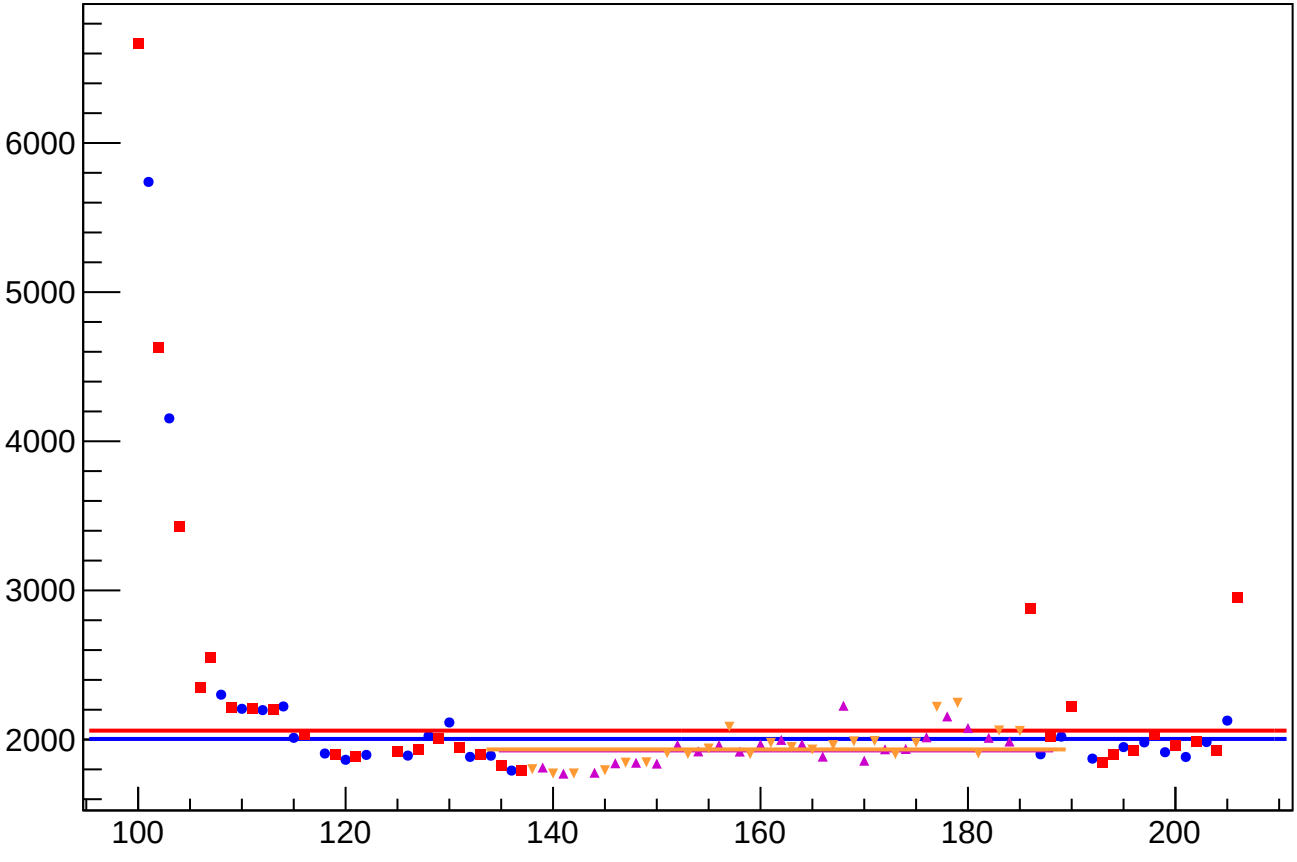
Left In: -25.575+/-450.755 χ^2/NDF:20.0/22

+ sign 128.628+/-346.609 χ^2/NDF: 66.5/48

All: -18.198+/-243.331 χ^2/NDF: 113.5/100

- sign -160.884+/-341.688 χ^2/NDF: 46.6/51

asym_us_avg_at1lr_avg_dd_rms vs Slug



Right In: 2004.116+/-0.385 χ^2/NDF: 978435.3/24

Left Out: 1933.804+/-0.318 χ^2/NDF:128531.8/23

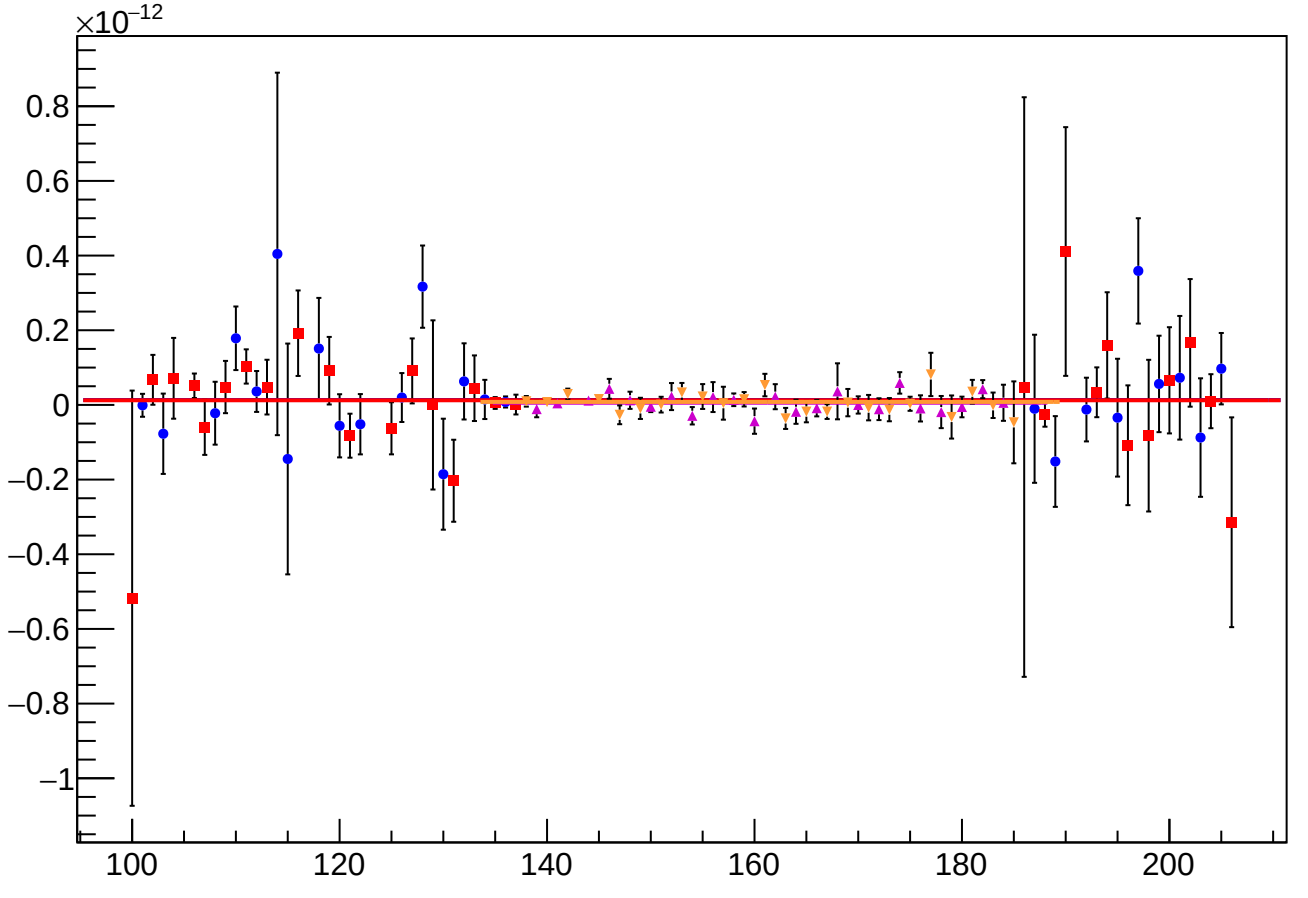
Right Out: 2059.863+/-0.370 χ^2/NDF: 994480.9/28

Left In: 1927.125+/-0.319 χ^2/NDF:116436.1/22

+ sign 1962.356+/-0.245 χ^2/NDF: 1126816.0/48

All: 1973.124+/-0.172 χ^2/NDF: 2315316.5/10

- sign 1983.590+/-0.242 χ^2/NDF: 1184693.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:17.3/23

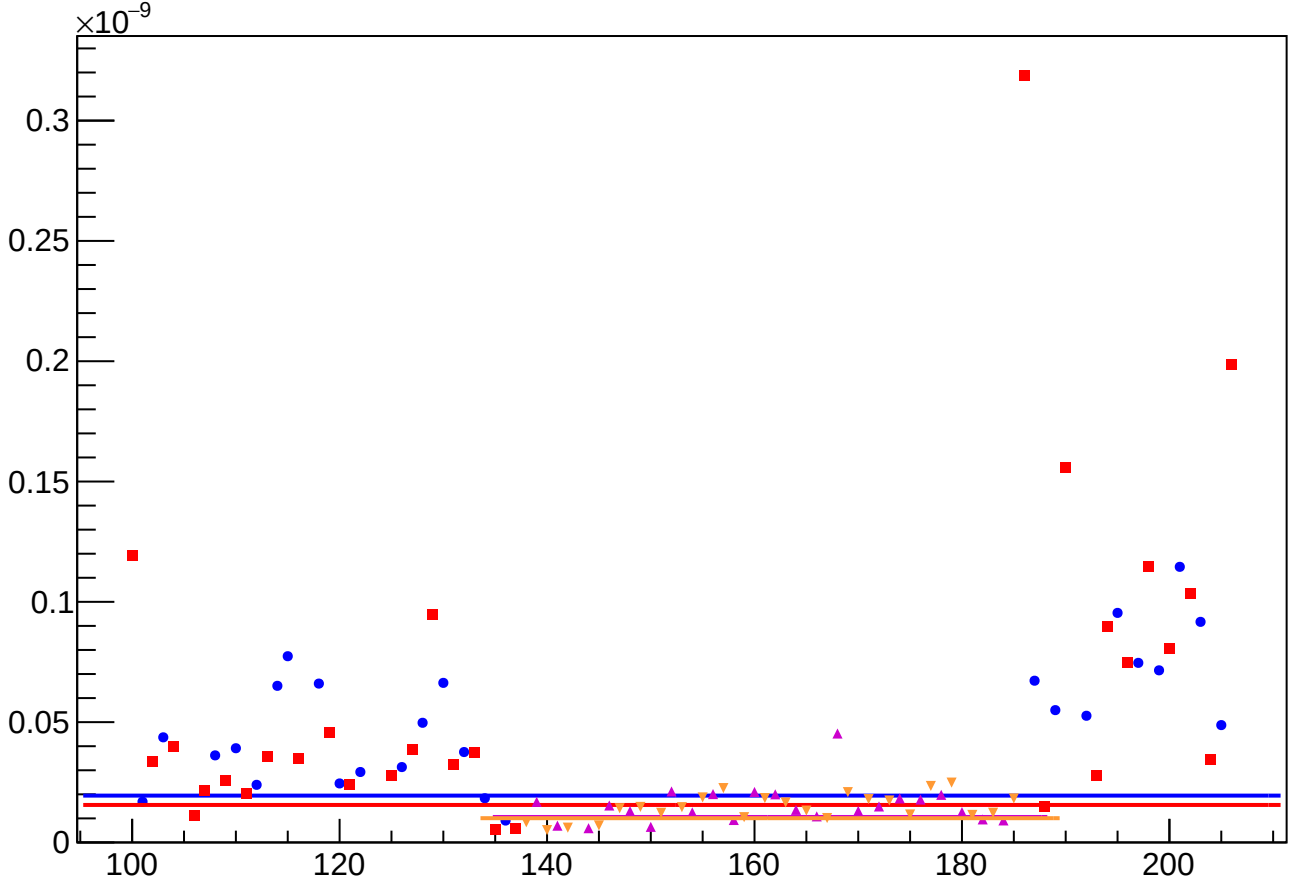
Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/28

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.0/48

All: 0.000+/-0.000 χ^2/NDF: 90.2/100

- sign 0.000+/-0.000 χ^2/NDF: 45.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 5070562.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2274817.9/23

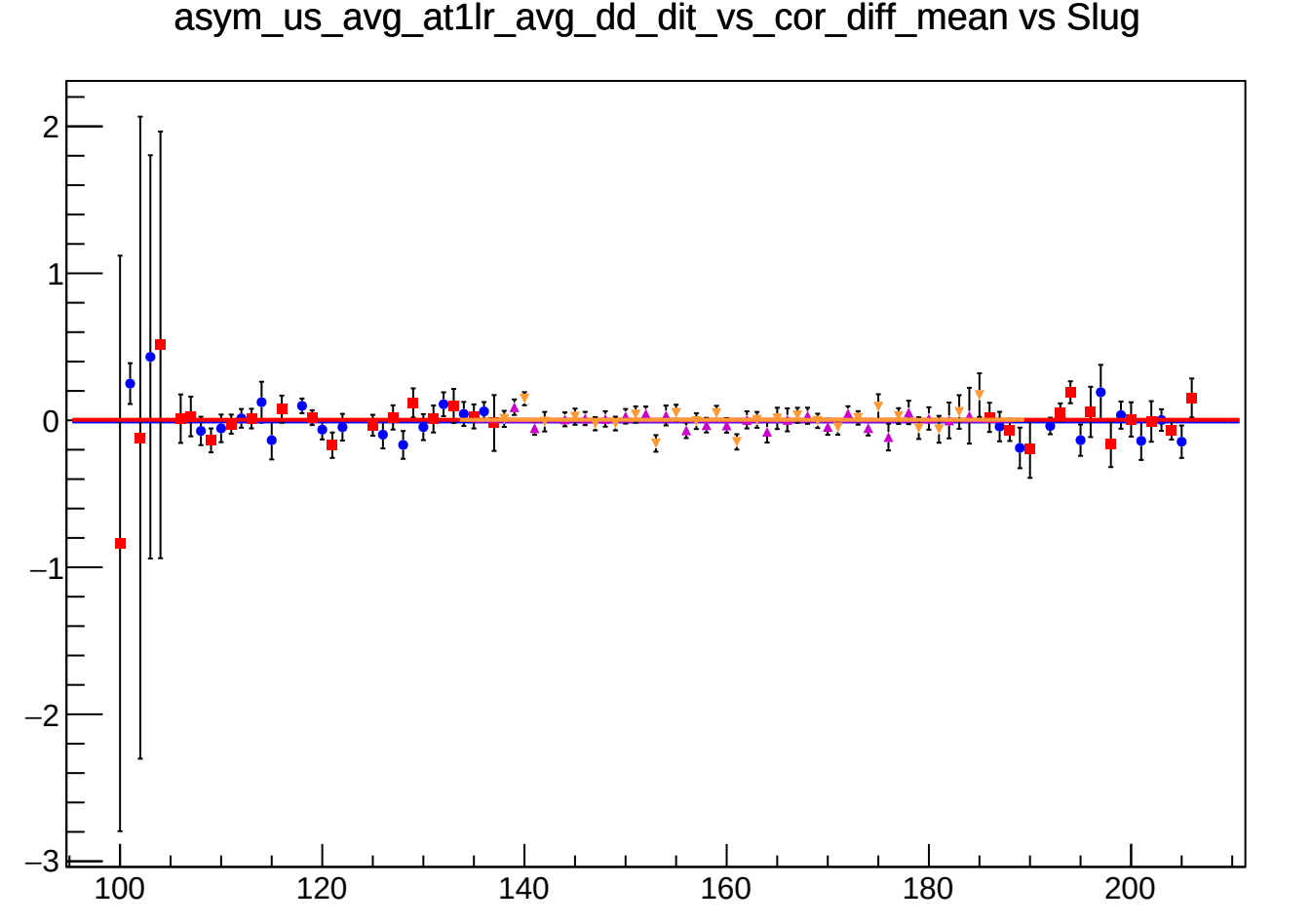
Right Out: 0.000+/-0.000 χ^2/NDF: 6571869.7/28

Left In: 0.000+/-0.000 χ^2/NDF:2578668.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 8570505.2/48

All: 0.000+/-0.000 χ^2/NDF: 18150048.0/100

- sign 0.000+/-0.000 χ^2/NDF: 9578539.3/51



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

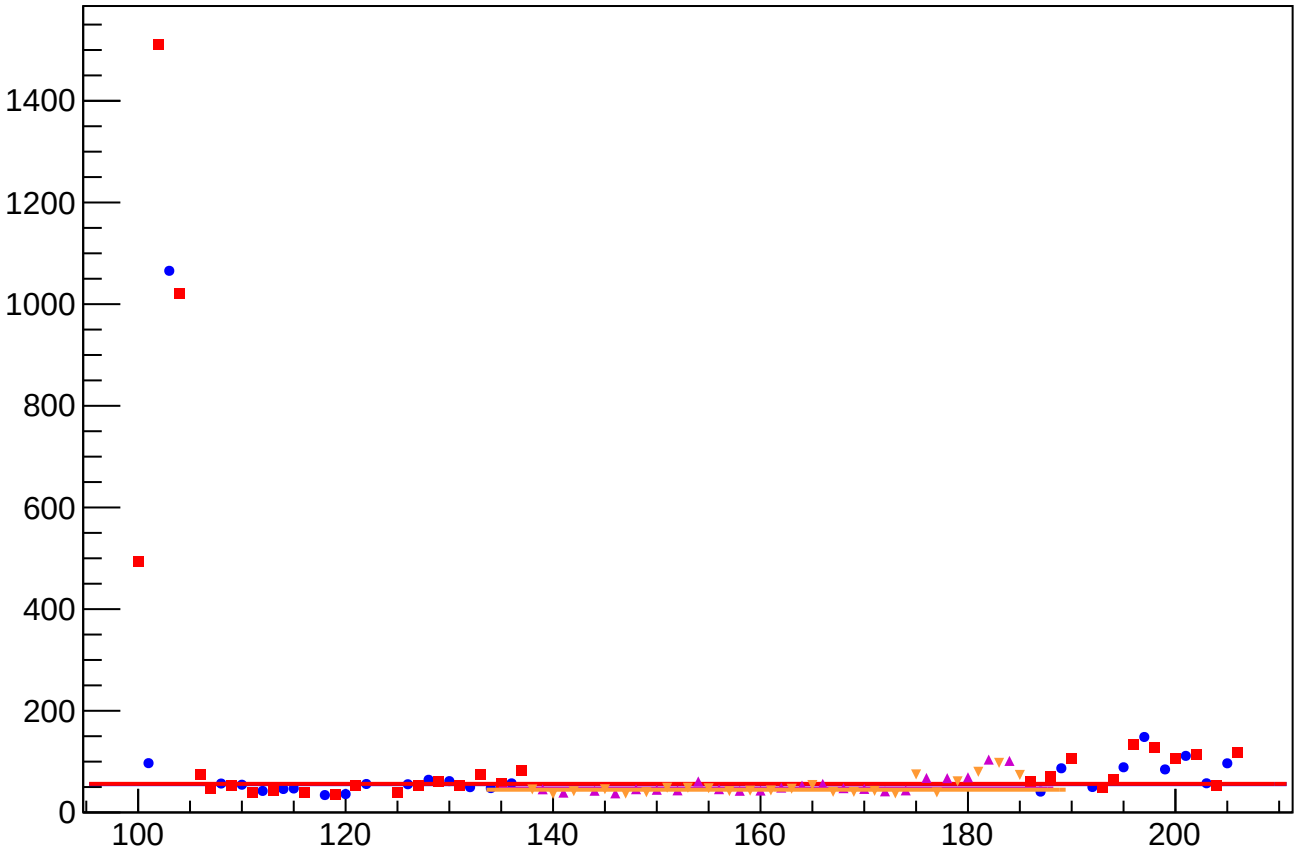
Right Out: 0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.010 χ^2/NDF: 62.0/48

All: -0.000+/-0.007 χ^2/NDF: 99.8/100

- sign -0.001+/-0.010 χ^2/NDF: 37.8/51



Right In: 55.647+/-0.012 χ^2/NDF: 3655025.9/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

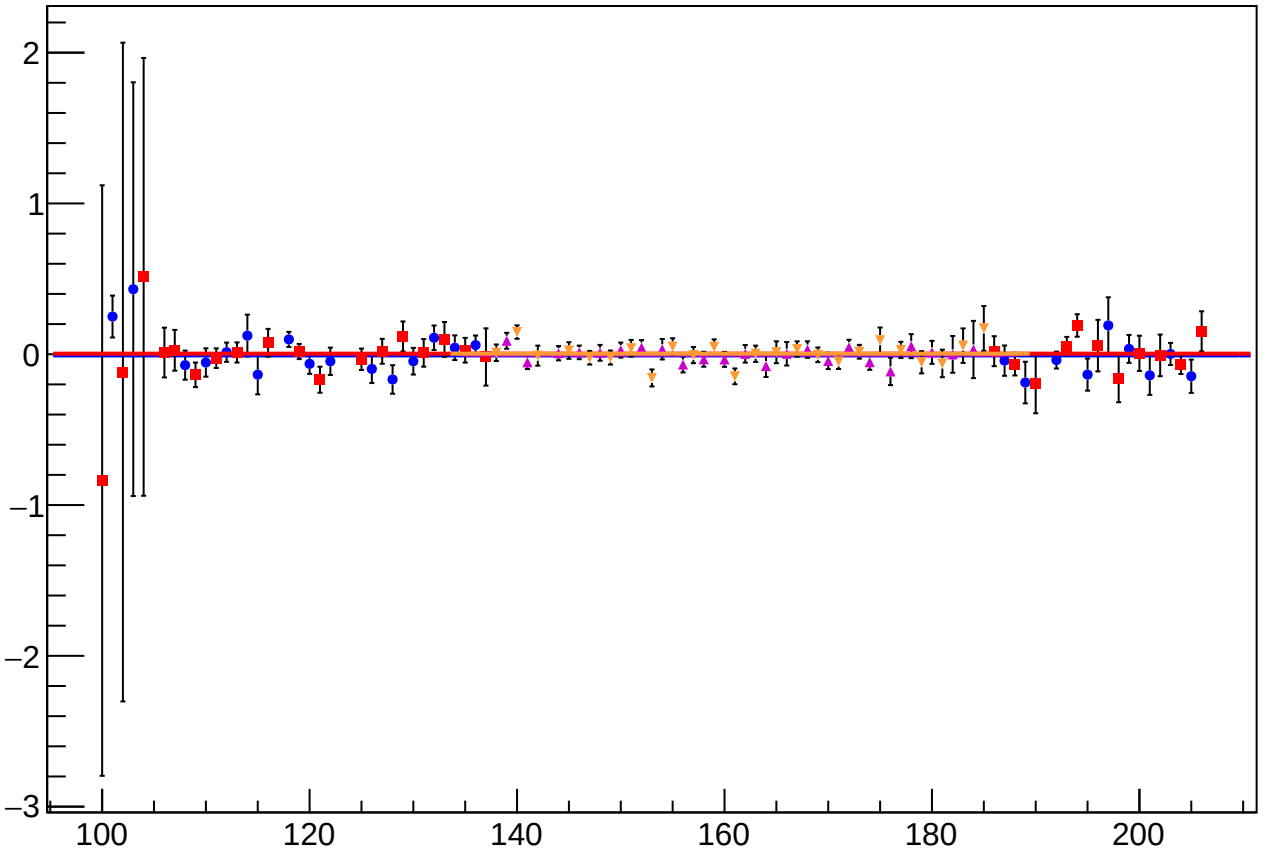
Right Out: 56.274+/-0.012 χ^2/NDF: 4964707.3/28

Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 48.056+/-0.007 χ^2/NDF: 5684298.6/48

All: 49.042+/-0.005 χ^2/NDF: 12468427.4/100

- sign 50.067+/-0.007 χ^2/NDF: 6741060.2/51



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

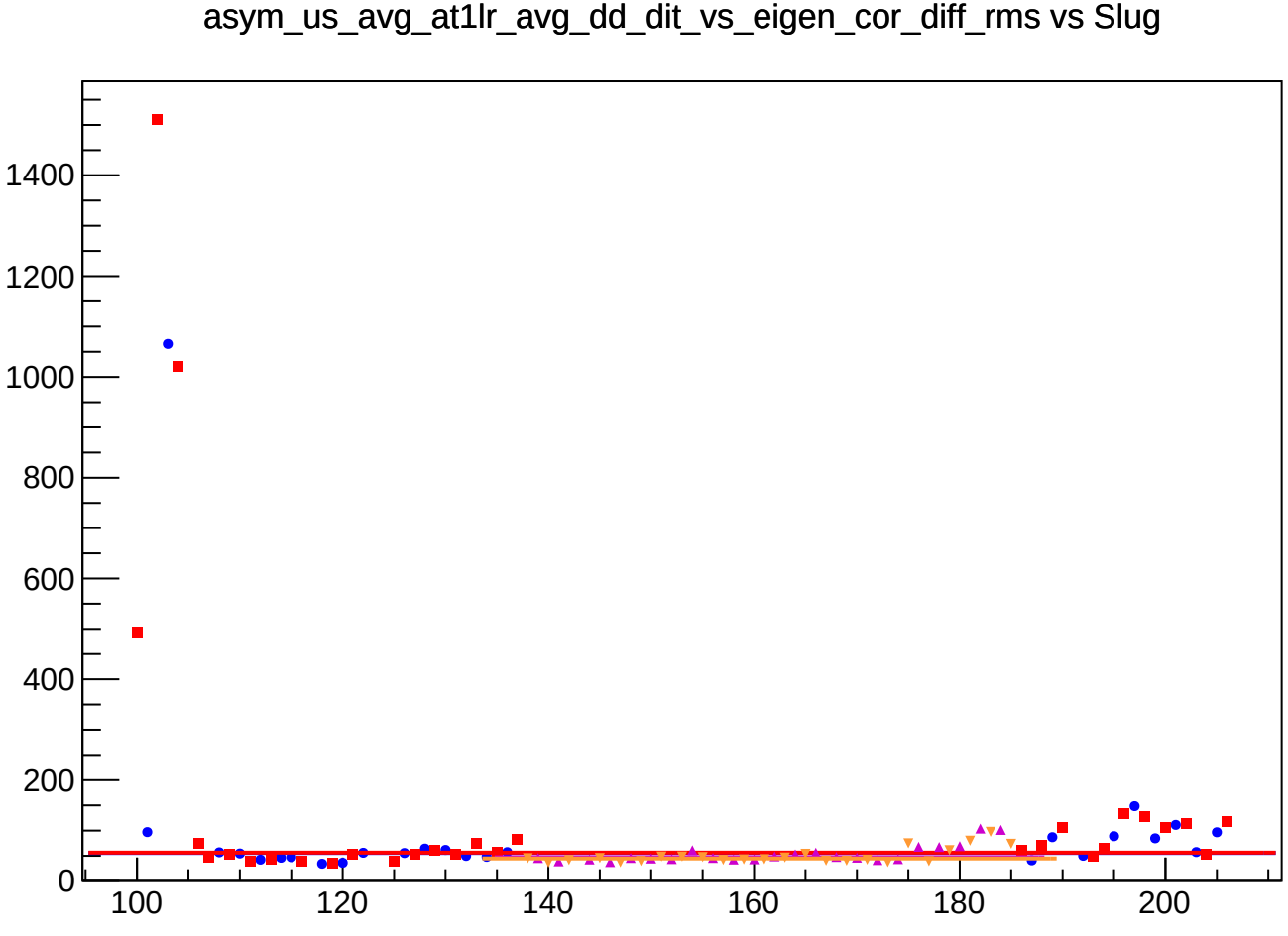
Right Out: 0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.010 χ^2/NDF: 62.0/48

All: -0.000+/-0.007 χ^2/NDF: 99.8/100

- sign -0.001+/-0.010 χ^2/NDF: 37.8/51



Right In: 55.647+/-0.012 χ^2/NDF: 3655025.9/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.4/23

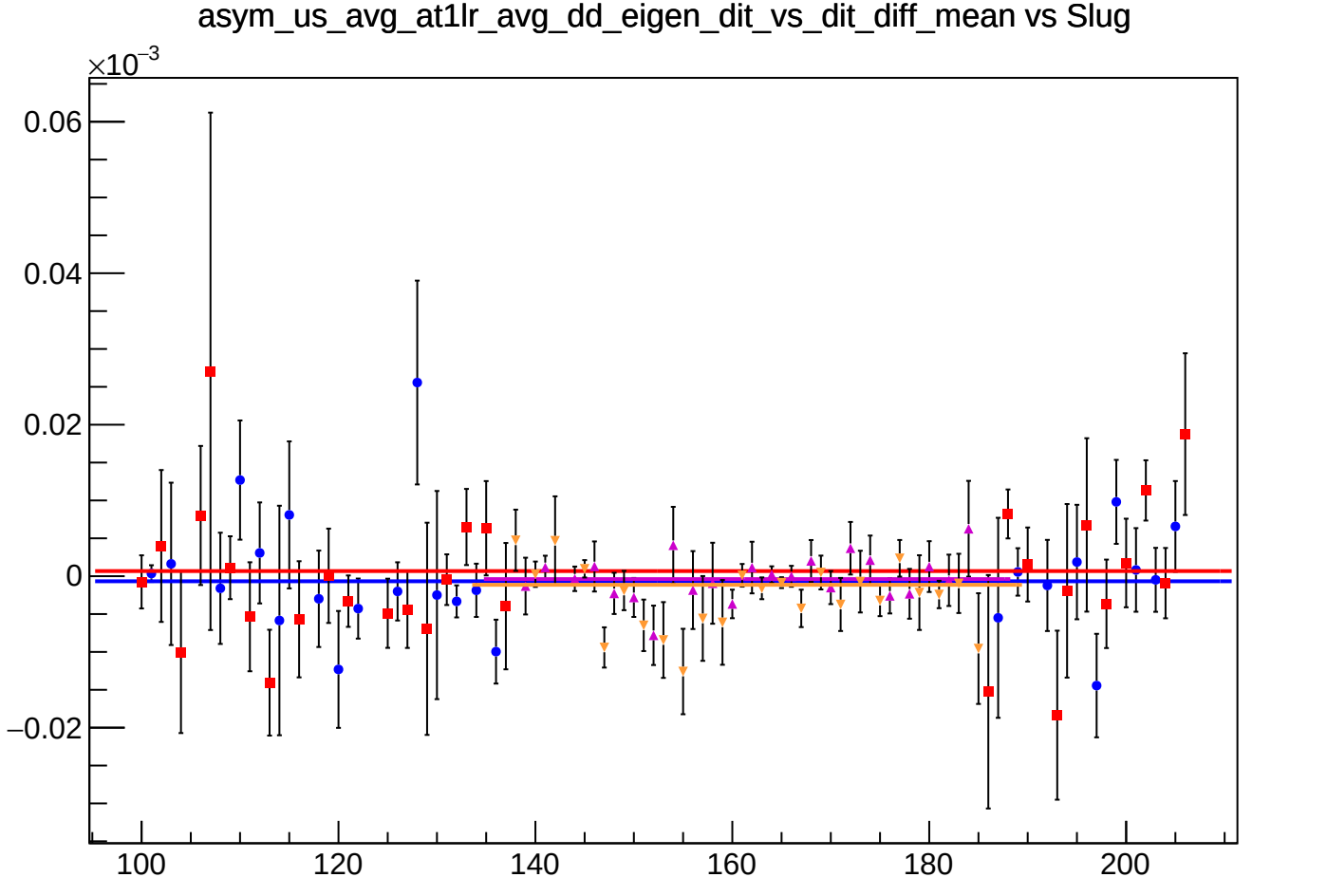
Right Out: 56.274+/-0.012 χ^2/NDF: 4964707.3/28

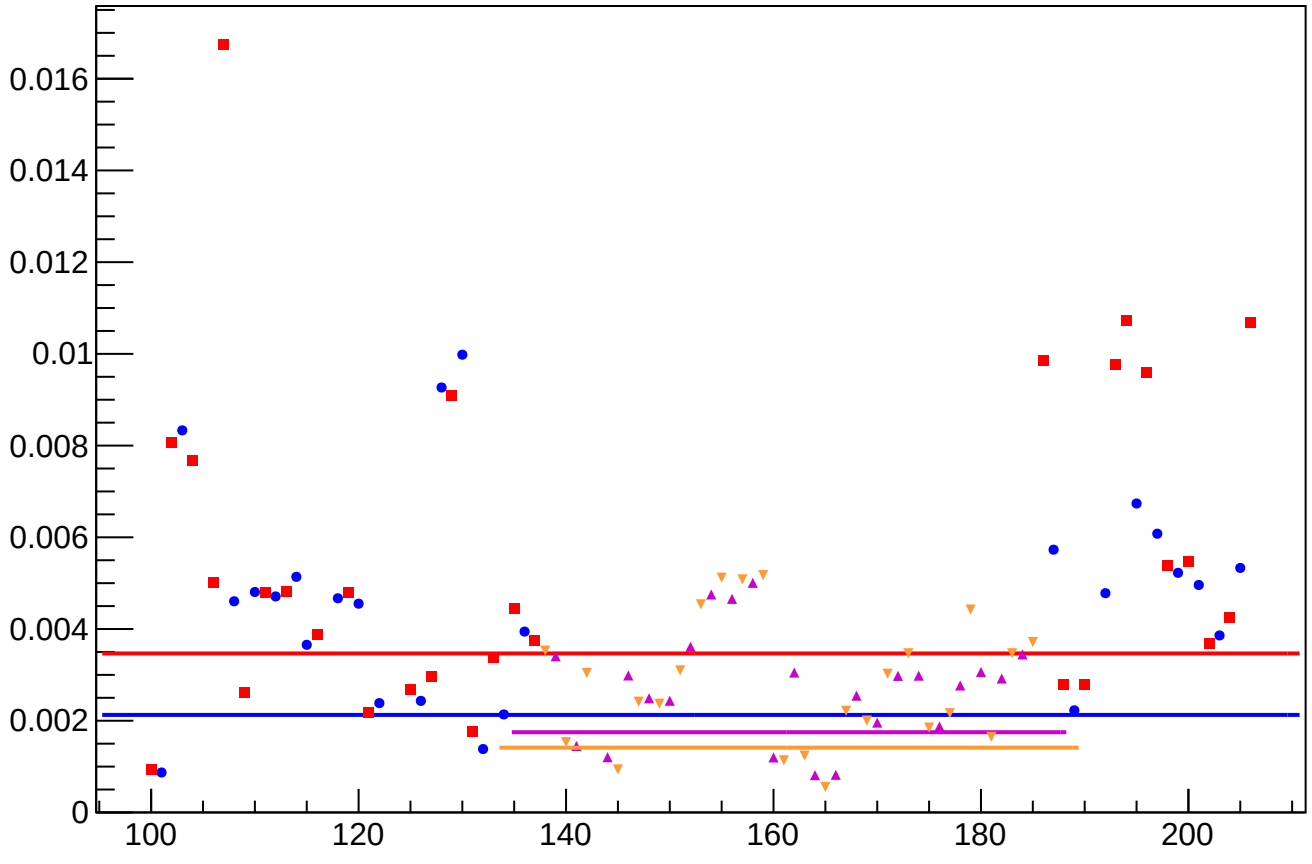
Left In: 47.033+/-0.008 χ^2/NDF:1383050.4/22

+ sign 48.056+/-0.007 χ^2/NDF: 5684298.6/48

All: 49.042+/-0.005 χ^2/NDF: 12468427.4/100

- sign 50.067+/-0.007 χ^2/NDF: 6741060.2/51


asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.4/24
Left Out: -0.000+/-0.000 χ²/NDF:35.7/23
Right Out: 0.000+/-0.000 χ²/NDF: 35.6/28
Left In: -0.000+/-0.000 χ²/NDF:16.3/22
+ sign -0.000+/-0.000 χ²/NDF: 64.4/48
All: -0.000+/-0.000 χ²/NDF: 119.4/100
- sign -0.000+/-0.000 χ²/NDF: 52.8/51



Right In: 0.002+/-0.000 χ^2/NDF: 10557251.9/24

Left Out: 0.001+/-0.000 χ^2/NDF:11586658.8/23

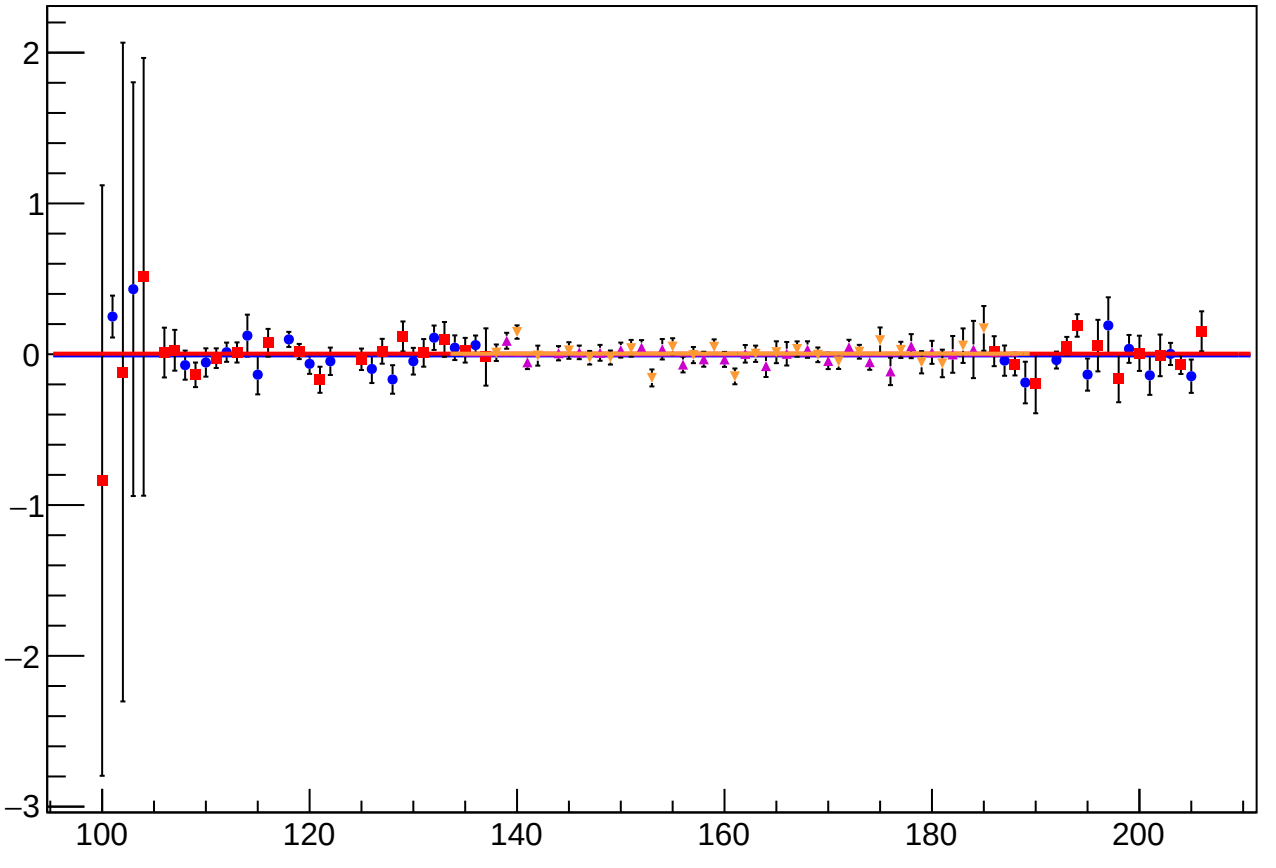
Right Out: 0.003+/-0.000 χ^2/NDF: 7613531.1/28

Left In: 0.002+/-0.000 χ^2/NDF:8238945.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 23540886.9/48

All: 0.002+/-0.000 χ^2/NDF: 45407755.9/100

- sign 0.002+/-0.000 χ^2/NDF: 20388176.2/51



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

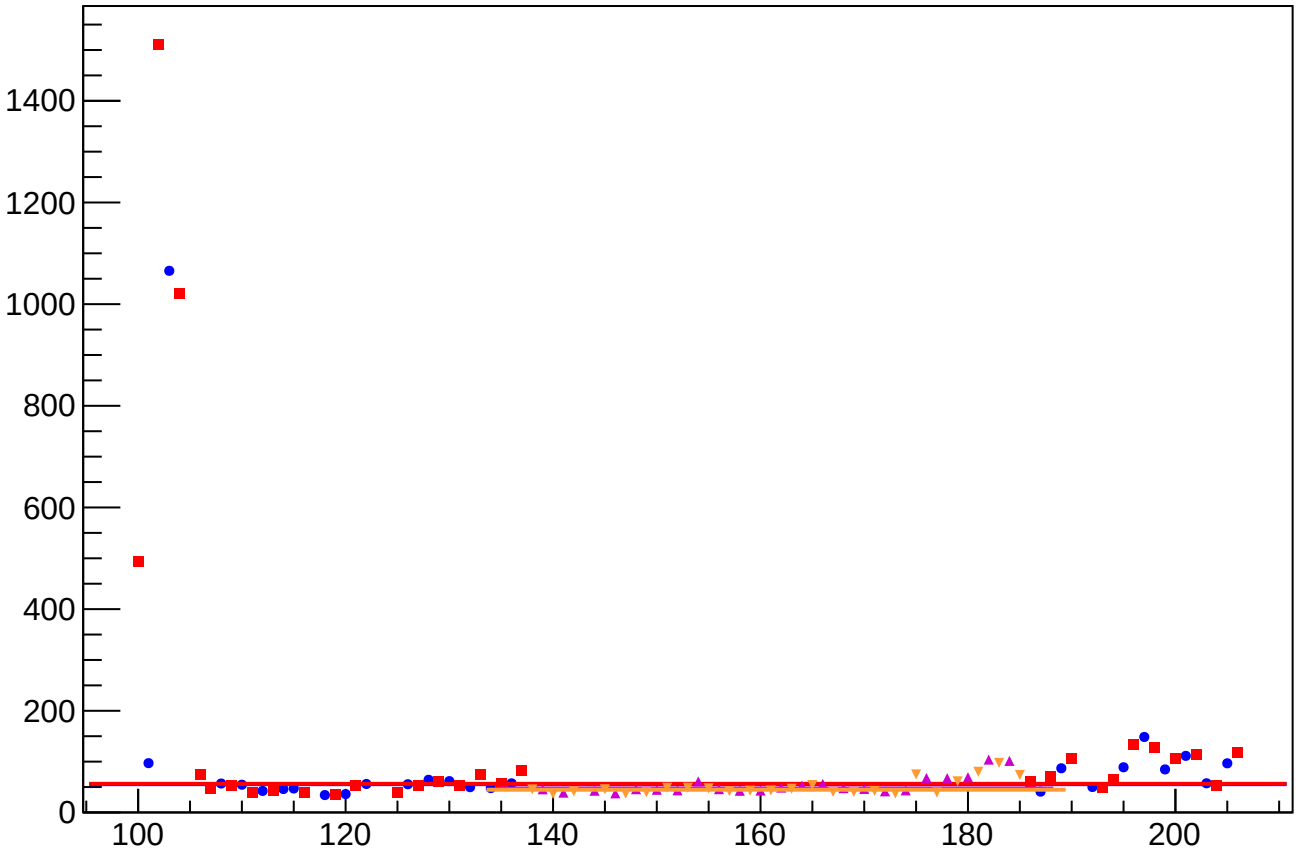
Right Out: 0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.010 χ^2/NDF: 62.0/48

All: -0.000+/-0.007 χ^2/NDF: 99.8/100

- sign -0.001+/-0.010 χ^2/NDF: 37.8/51



Right In: 55.647+/-0.012 χ^2/NDF: 3655032.2/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

Right Out: 56.272+/-0.012 χ^2/NDF: 4964897.2/28

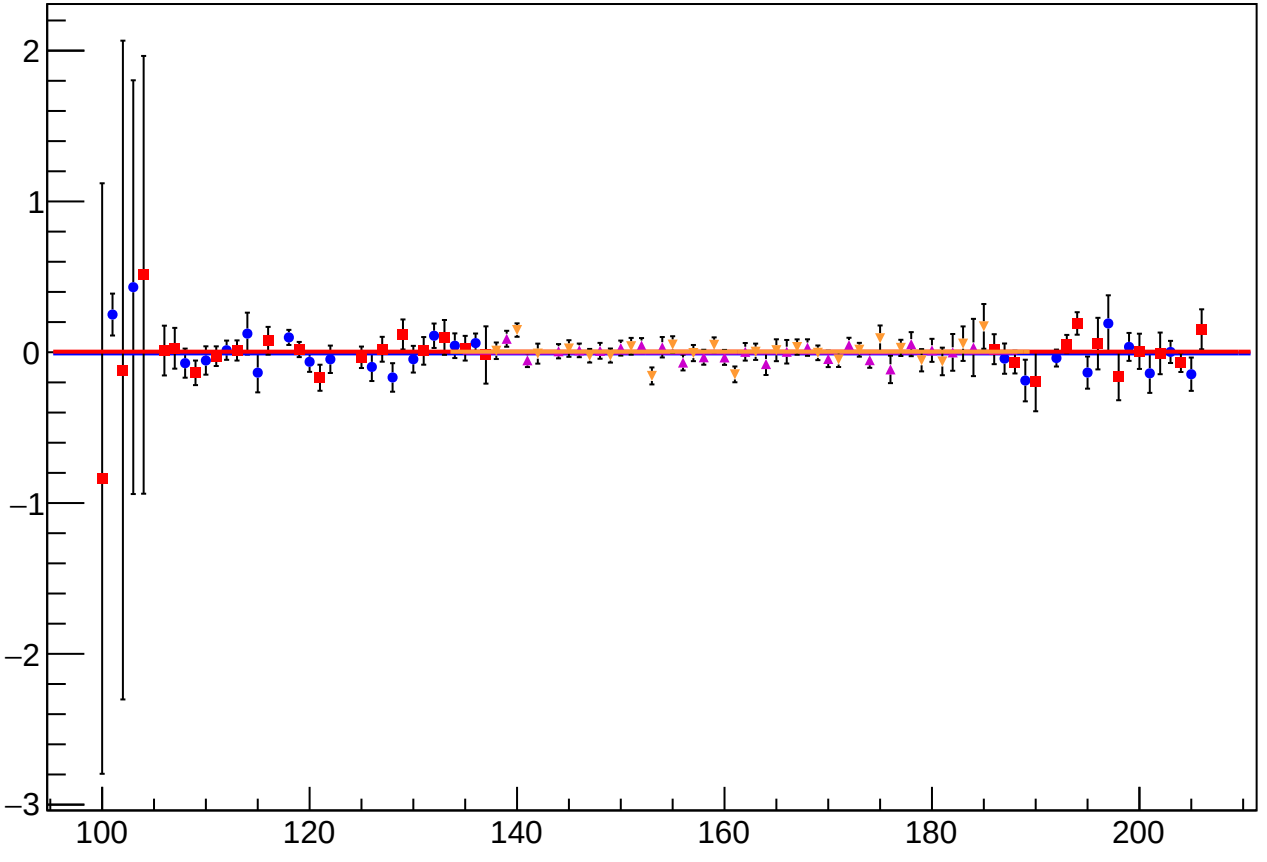
Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 48.056+/-0.007 χ^2/NDF: 5684252.7/48

All: 49.041+/-0.005 χ^2/NDF: 12468562.0/100

- sign 50.067+/-0.007 χ^2/NDF: 6741261.5/51

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.008+/-0.017 χ^2/NDF: 26.7/24

Left Out: 0.004+/-0.012 χ^2/NDF:35.0/23

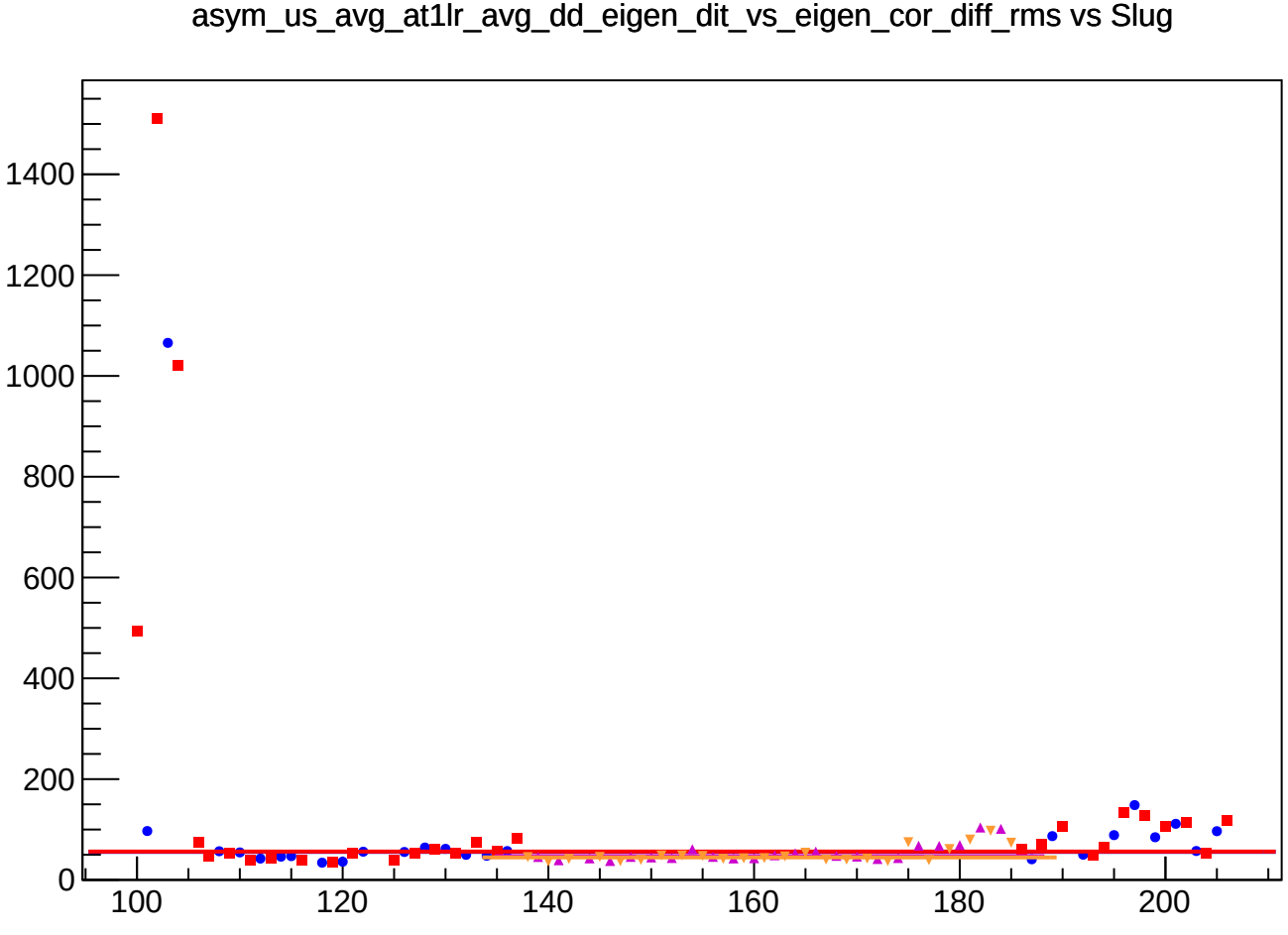
Right Out: 0.004+/-0.017 χ^2/NDF: 23.2/28

Left In: -0.003+/-0.012 χ^2/NDF:14.5/22

+ sign 0.000+/-0.010 χ^2/NDF: 62.0/48

All: -0.000+/-0.007 χ^2/NDF: 99.8/100

- sign -0.001+/-0.010 χ^2/NDF: 37.8/51



Right In: 55.647+/-0.012 χ^2/NDF: 3655032.2/24

Left Out: 44.733+/-0.008 χ^2/NDF:1481436.0/23

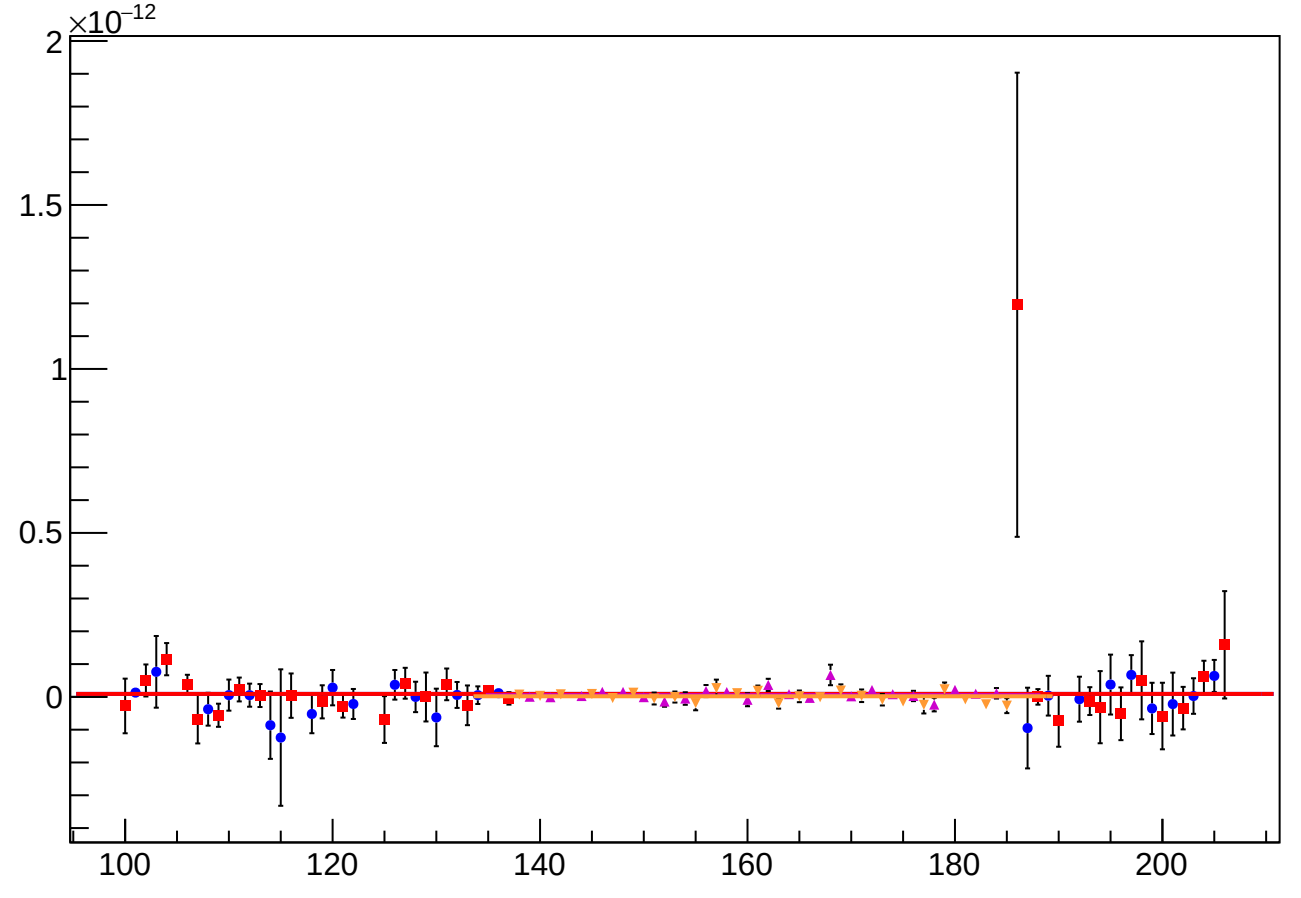
Right Out: 56.272+/-0.012 χ^2/NDF: 4964897.2/28

Left In: 47.033+/-0.008 χ^2/NDF:1383121.1/22

+ sign 48.056+/-0.007 χ^2/NDF: 5684252.7/48

All: 49.041+/-0.005 χ^2/NDF: 12468562.0/100

- sign 50.067+/-0.007 χ^2/NDF: 6741261.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 8.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/23

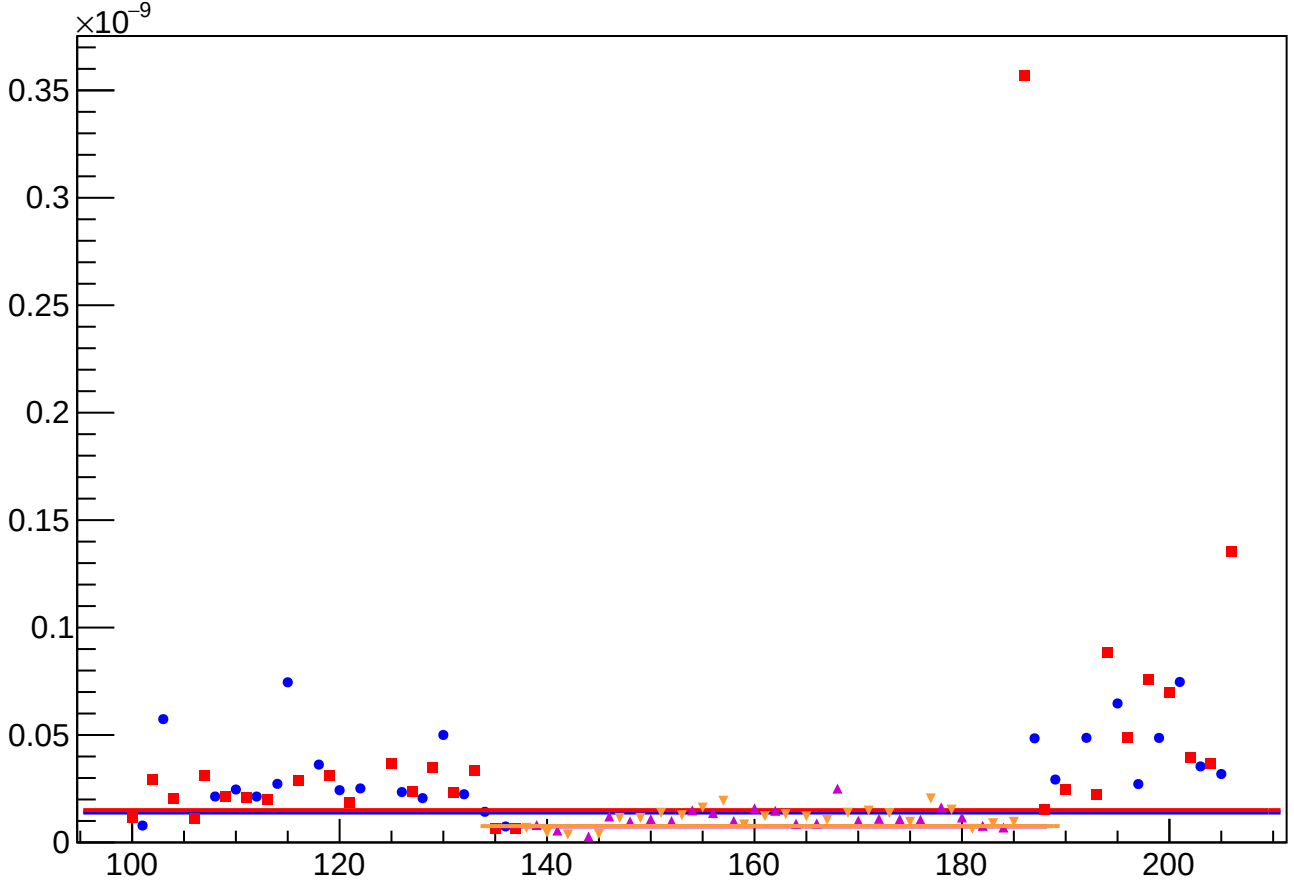
Right Out: 0.000+/-0.000 χ^2/NDF: 24.2/28

Left In: 0.000+/-0.000 χ^2/NDF:17.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 30.7/48

All: 0.000+/-0.000 χ^2/NDF: 73.8/100

- sign 0.000+/-0.000 χ^2/NDF: 42.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 6429614.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:5568430.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7801305.7/28

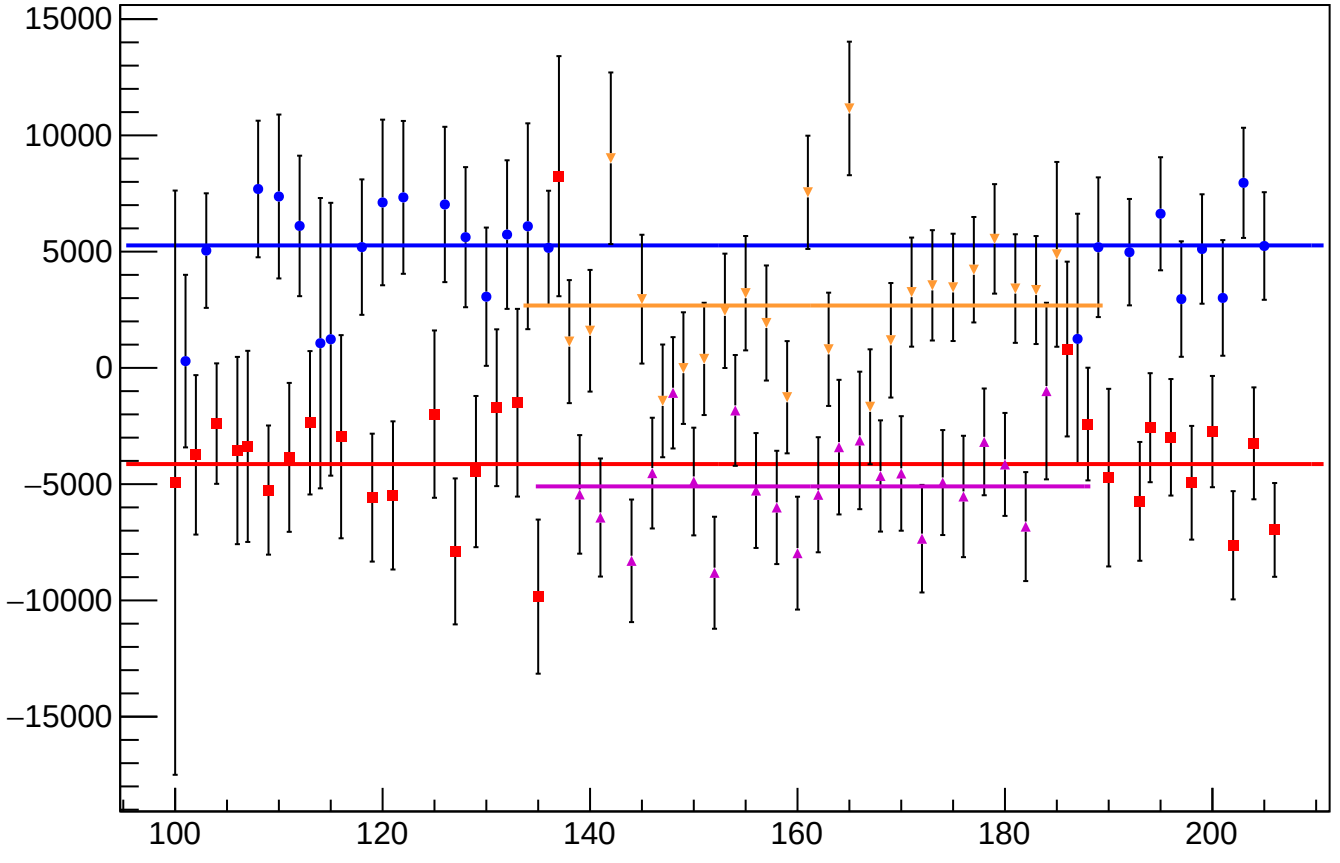
Left In: 0.000+/-0.000 χ^2/NDF:5978033.2/22

\+ sign 0.000+/-0.000 χ^2/NDF: 13703465.6/48

All: 0.000+/-0.000 χ^2/NDF: 29799226.6/100

\- sign 0.000+/-0.000 χ^2/NDF: 16094812.7/51

reg_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5267.446+/-588.291 χ^2/NDF: 9.3/24

Left Out: 2682.870+/-512.020 χ^2/NDF:30.8/23

Right Out: -4136.412+/-552.426 χ^2/NDF: 21.1/28

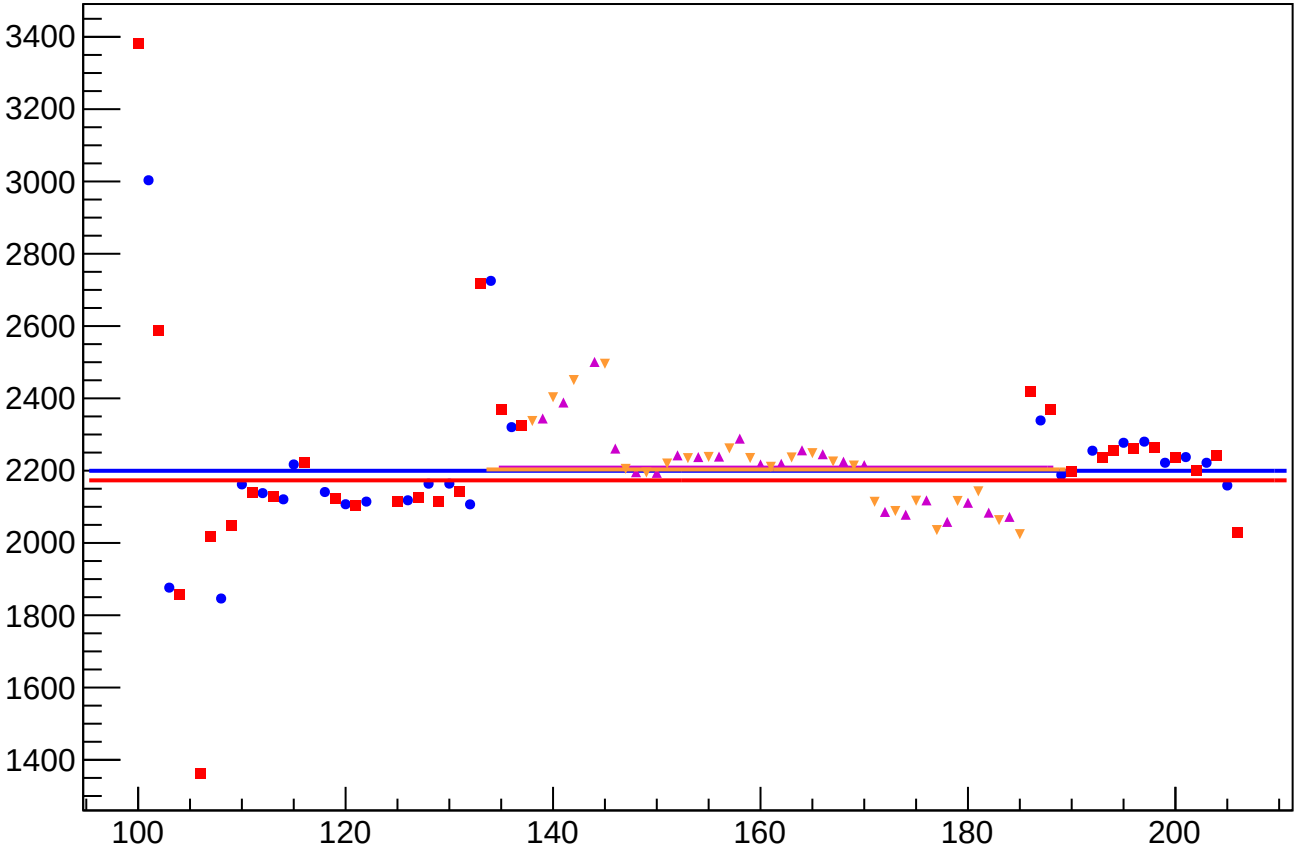
Left In: -5096.427+/-516.232 χ^2/NDF:14.9/22

+ sign 3796.859+/-386.223 χ^2/NDF: 51.1/48

All: -526.070+/-269.846 χ^2/NDF: 333.5/100

- sign -4648.896+/-377.178 χ^2/NDF: 37.7/51

reg_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2199.622+/-0.416 χ^2/NDF: 206677.2/24

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

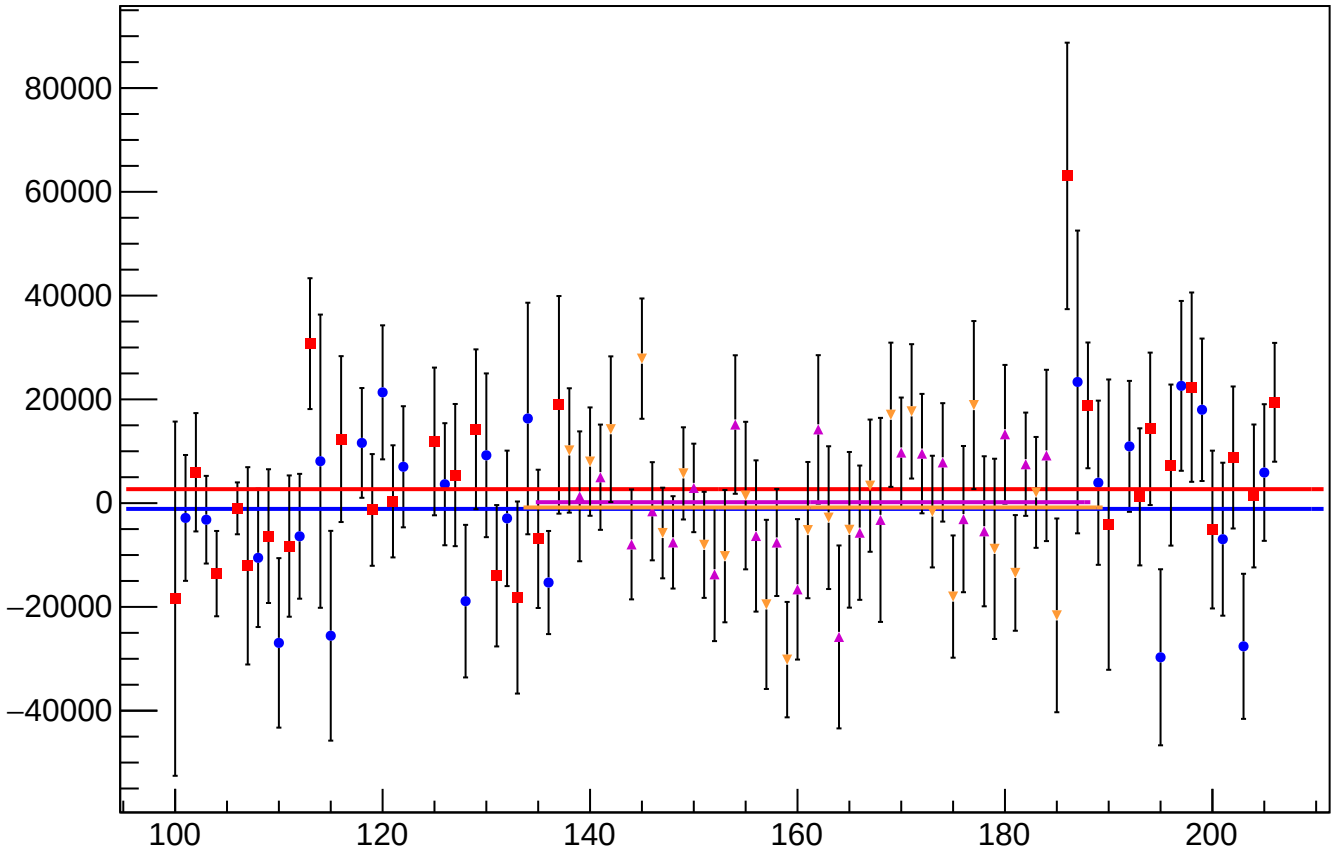
Right Out: 2173.167+/-0.388 χ^2/NDF: 324214.0/28

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2201.713+/-0.273 χ^2/NDF: 294930.0/48

All: 2196.638+/-0.190 χ^2/NDF: 705183.4/100

- sign 2191.832+/-0.266 χ^2/NDF: 409581.1/51



Right In: -1112.096+/-2707.944 χ^2/NDF: 27.1/24

Left Out: -833.485+/-2481.469 χ^2/NDF:29.5/23

Right Out: 2694.907+/-2323.157 χ^2/NDF: 28.9/28

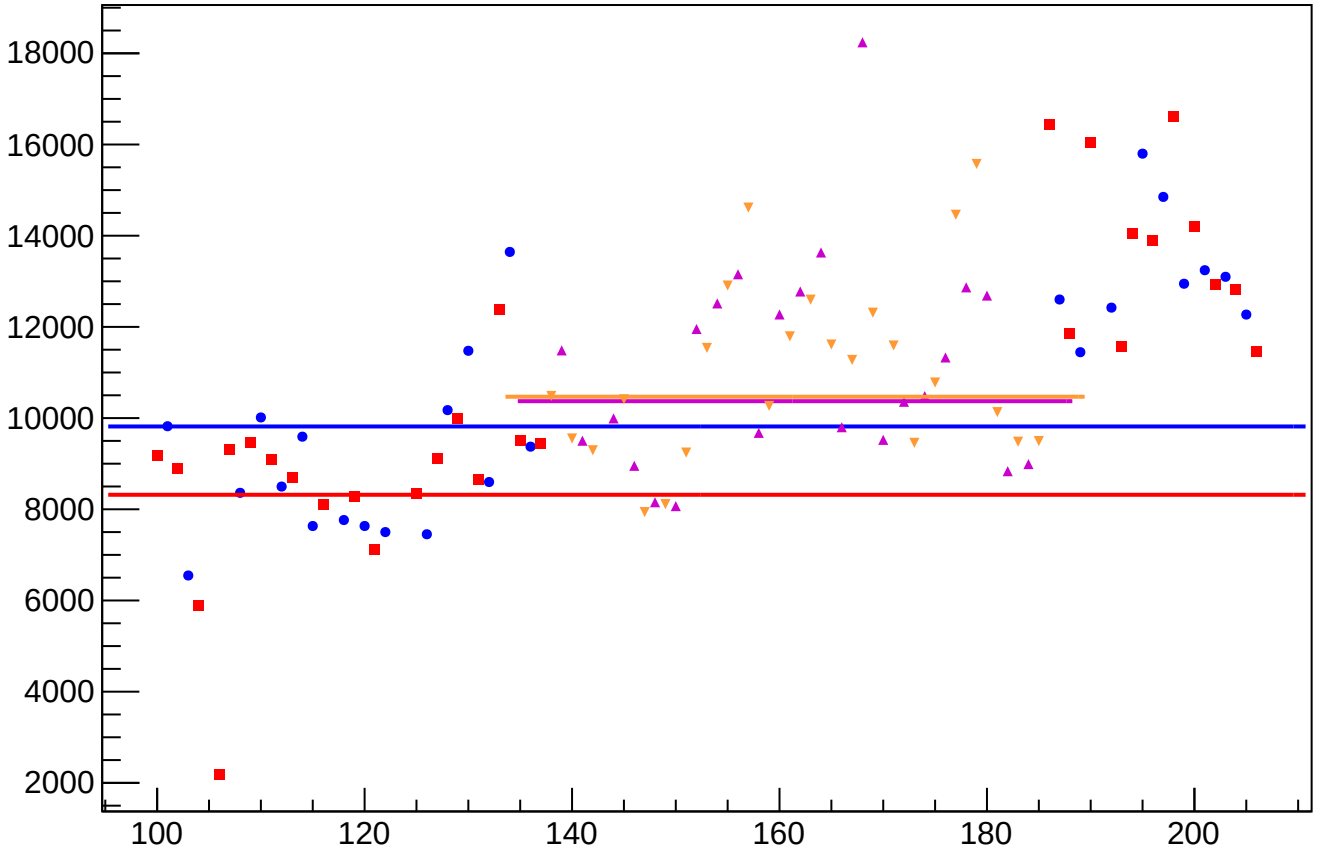
Left In: 182.426+/-2471.223 χ^2/NDF:13.8/22

+ sign -960.654+/-1829.499 χ^2/NDF: 56.6/48

All: 373.858+/-1242.449 χ^2/NDF: 100.8/100

- sign 1516.186+/-1692.646 χ^2/NDF: 43.2/51

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs Slug



Right In: 9816.437+/-1.915 χ^2/NDF: 1720746.4/24

Left Out: 10468.677+/-1.755 χ^2/NDF:1045257.2/23

Right Out: 8318.360+/-1.643 χ^2/NDF: 5909303.0/28

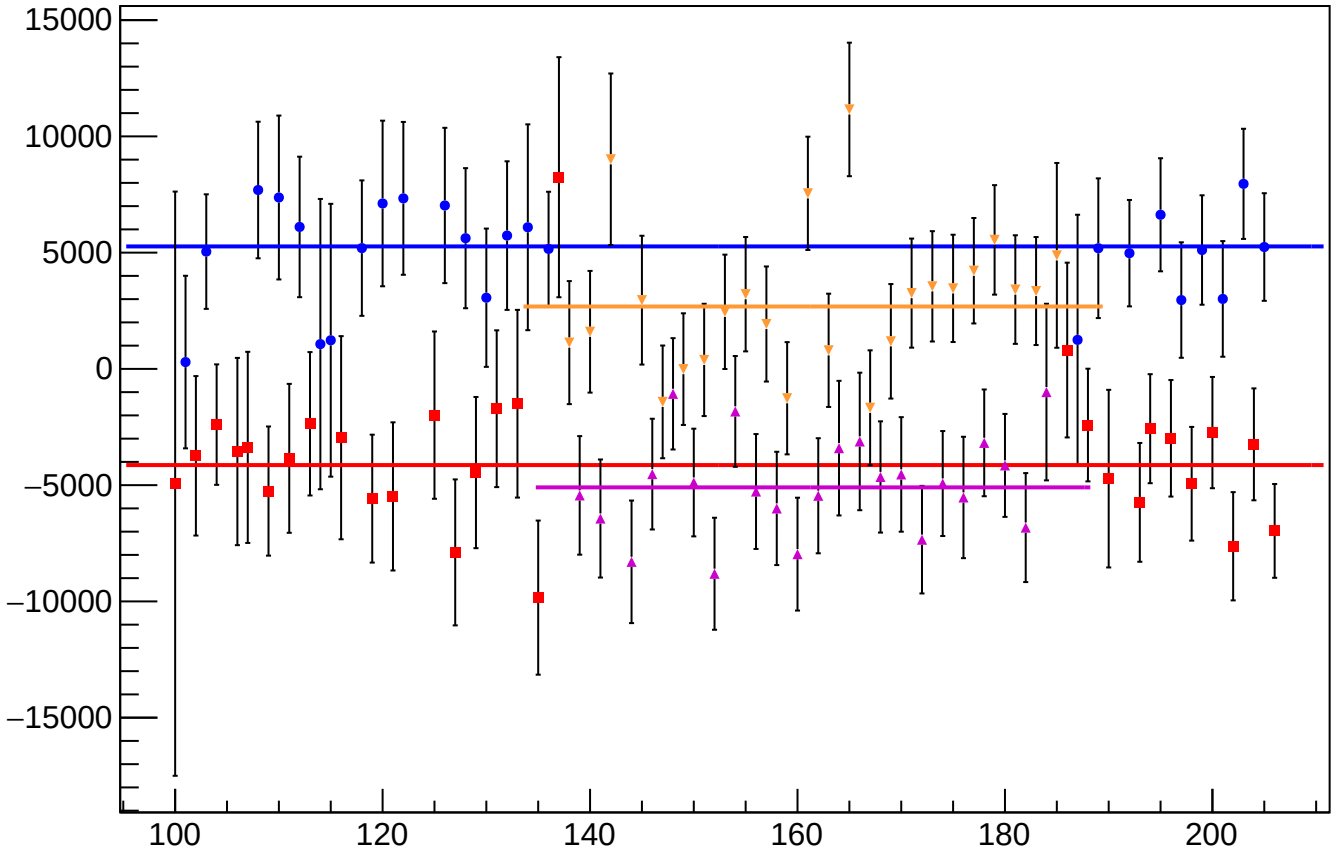
Left In: 10370.895+/-1.747 χ^2/NDF:1203758.1/22

+ sign 10170.968+/-1.294 χ^2/NDF: 2829072.1/48

All: 9691.617+/-0.879 χ^2/NDF: 10929384.9/1

- sign 9281.299+/-1.197 χ^2/NDF: 7845484.8/51

cor_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5267.512+/-588.291 χ^2/NDF: 9.3/24

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -4136.282+/-552.426 χ^2/NDF: 21.1/28

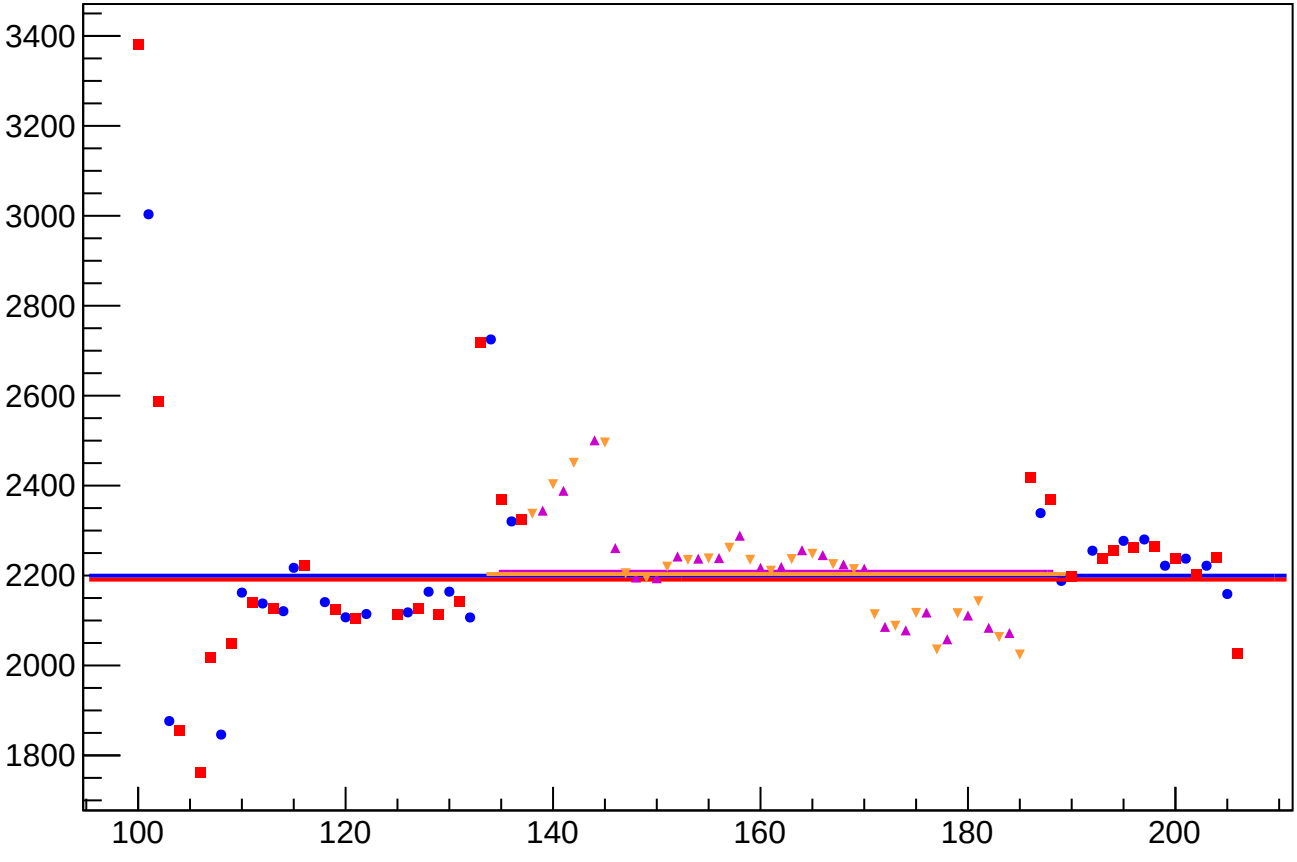
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3796.842+/-386.223 χ^2/NDF: 51.1/48

All: -526.022+/-269.846 χ^2/NDF: 333.5/100

- sign -4648.787+/-377.178 χ^2/NDF: 37.7/51

cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2199.622+/-0.416 χ^2/NDF: 206677.6/24

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

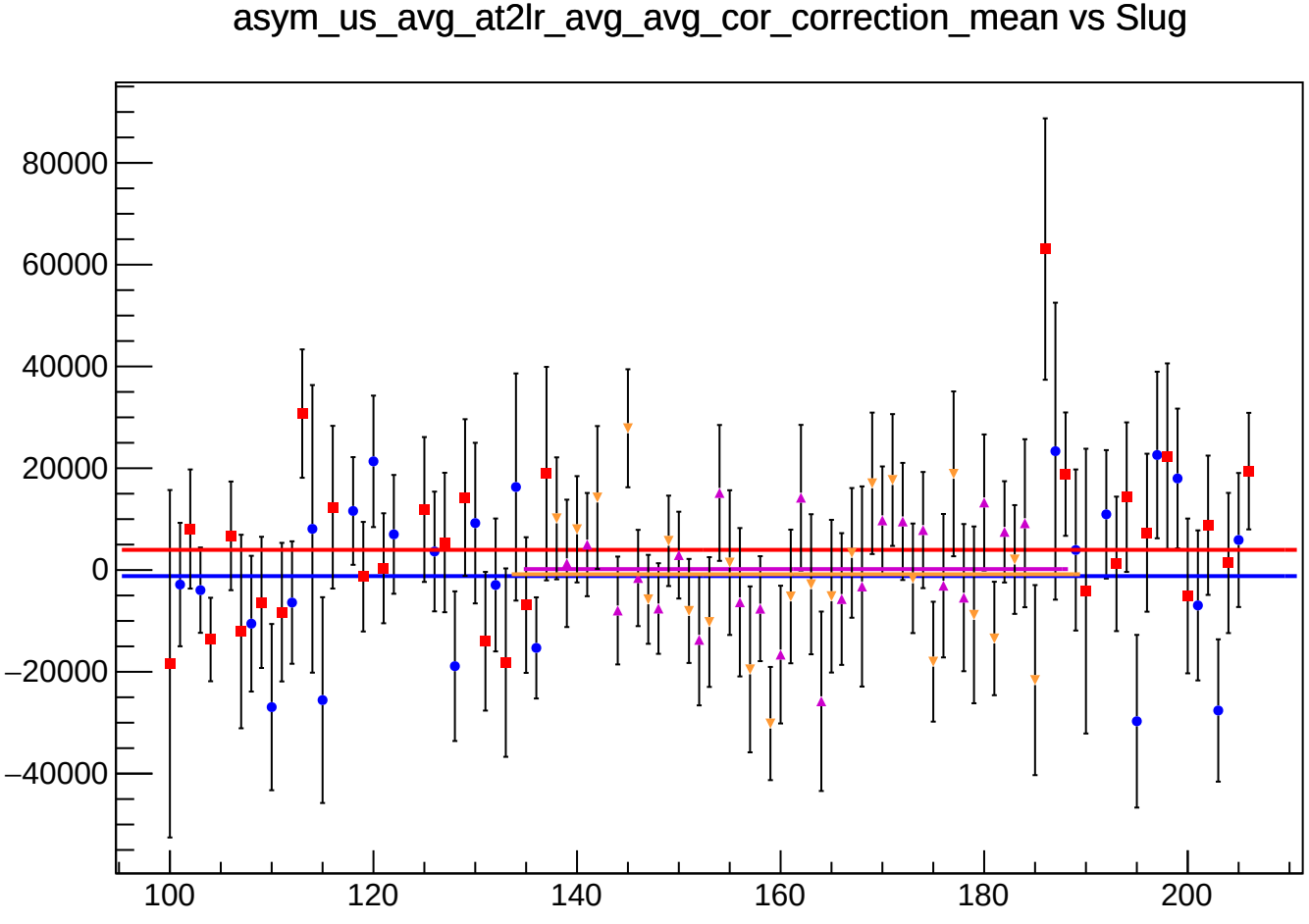
Right Out: 2190.943+/-0.390 χ^2/NDF: 202158.0/28

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2201.713+/-0.273 χ^2/NDF: 294930.3/48

All: 2200.953+/-0.191 χ^2/NDF: 579164.0/100

- sign 2200.231+/-0.266 χ^2/NDF: 284218.6/51



Right In: -1194.934+/-2705.805 χ^2/NDF: 27.2/24

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

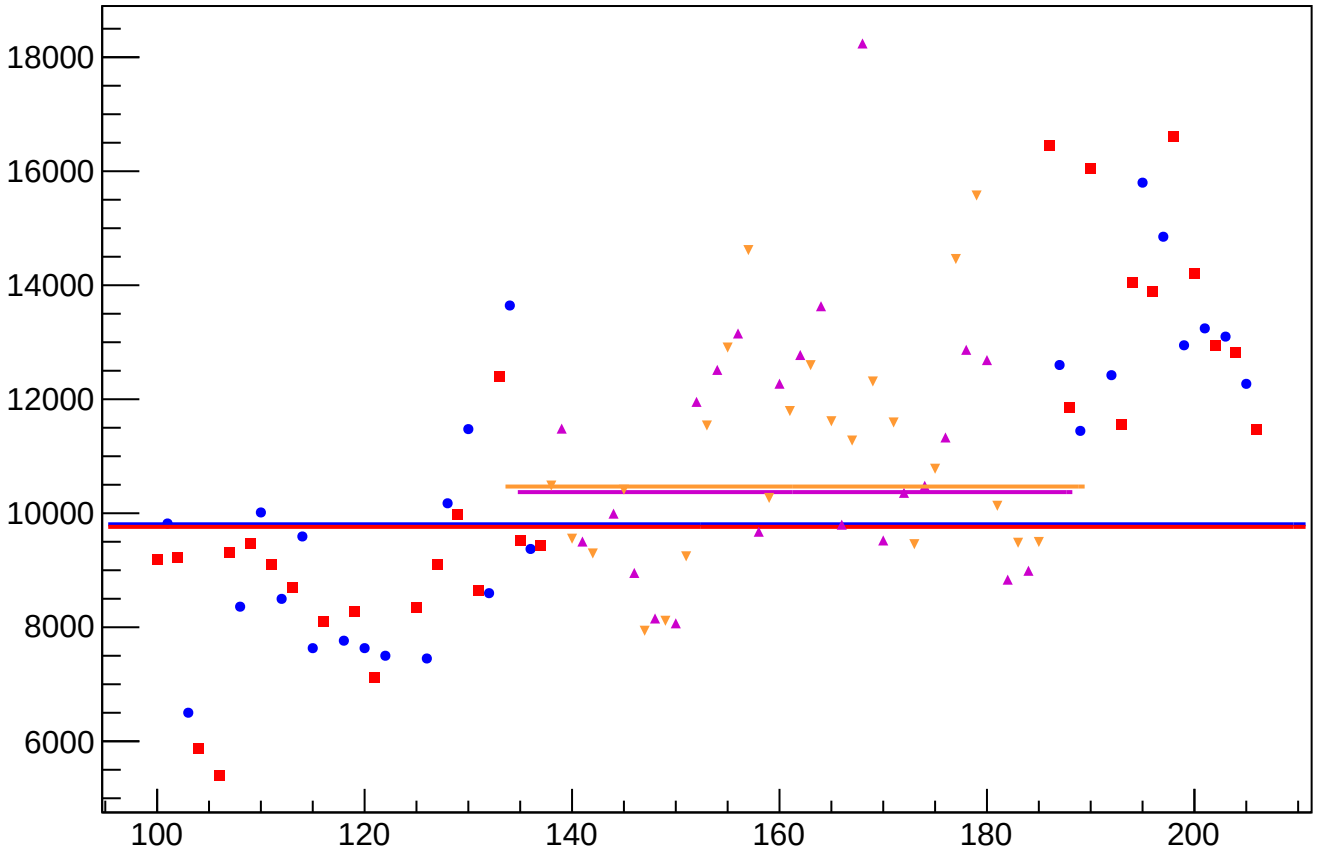
Right Out: 3964.427+/-2550.362 χ^2/NDF: 28.5/28

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -998.592+/-1828.838 χ^2/NDF: 56.7/48

All: 552.822+/-1273.625 χ^2/NDF: 101.4/100

- sign 2013.803+/-1774.736 χ^2/NDF: 43.4/51



Right In: 9806.327+/-1.913 χ^2/NDF: 1734172.9/24

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

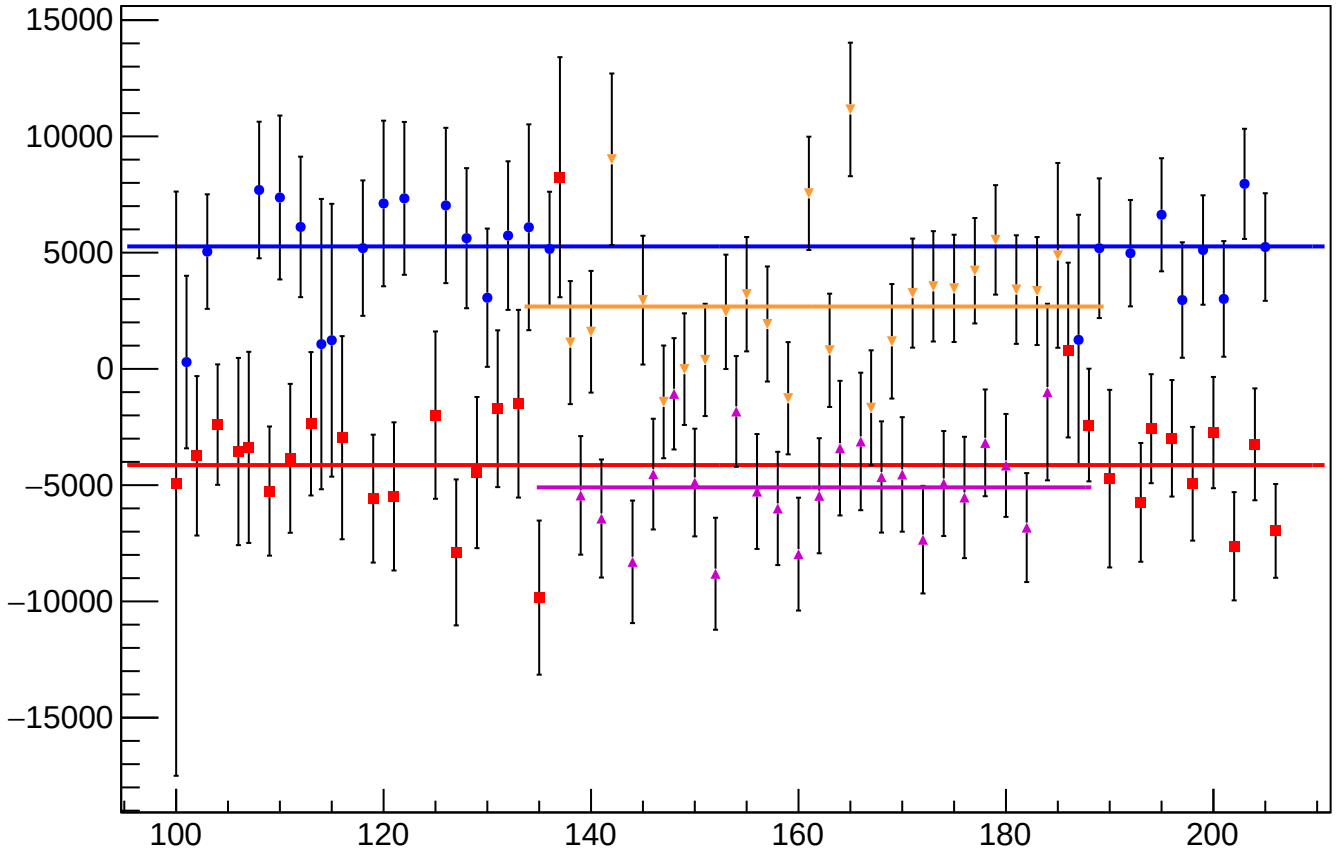
Right Out: 9761.178+/-1.803 χ^2/NDF: 2414582.6/28

Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10166.093+/-1.293 χ^2/NDF: 2844525.8/48

All: 10119.508+/-0.901 χ^2/NDF: 6524346.1/1

- sign 10075.639+/-1.255 χ^2/NDF: 3677300.5/51



Right In: 5267.512+/-588.291 χ^2/NDF: 9.3/24

Left Out: 2682.792+/-512.020 χ^2/NDF:30.8/23

Right Out: -4136.282+/-552.426 χ^2/NDF: 21.1/28

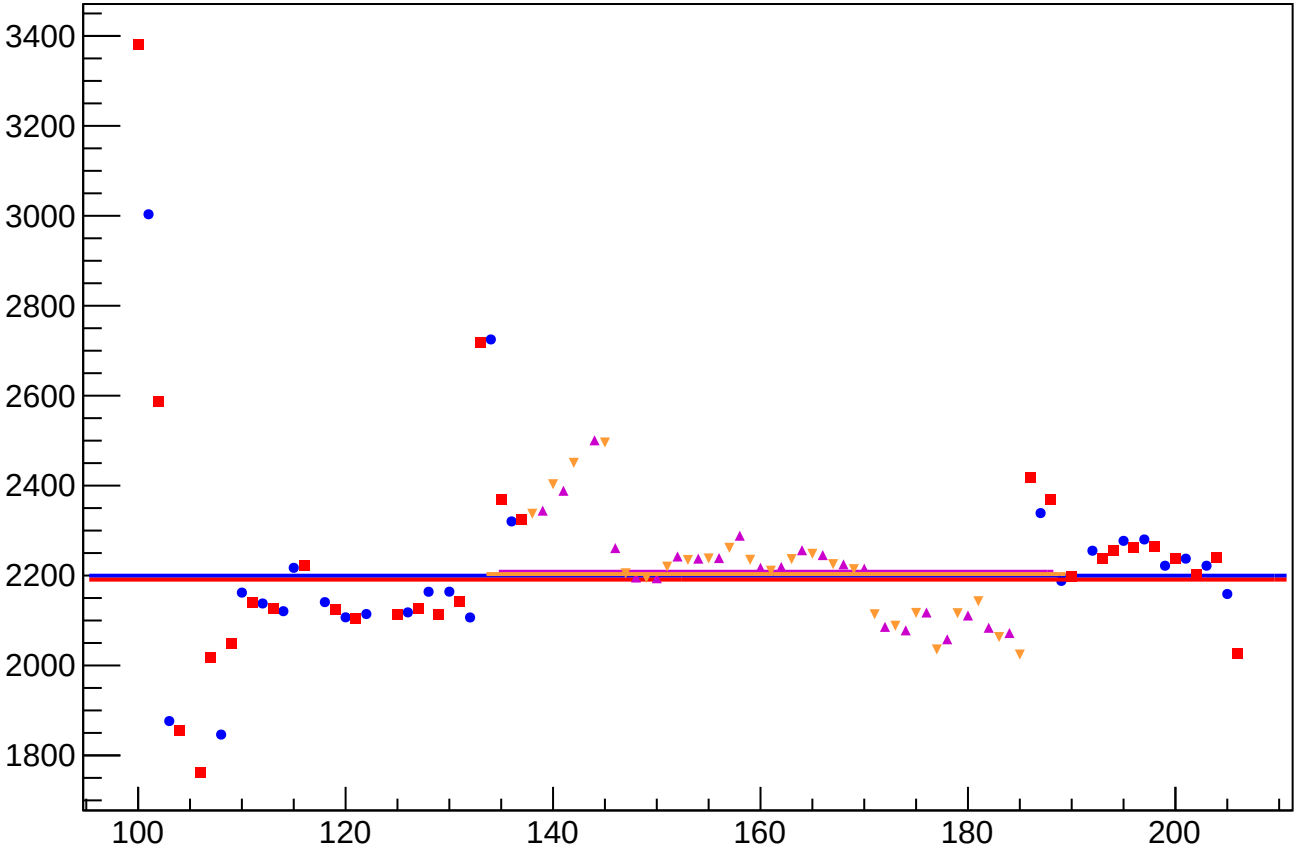
Left In: -5096.334+/-516.232 χ^2/NDF:14.9/22

+ sign 3796.842+/-386.223 χ^2/NDF: 51.1/48

All: -526.022+/-269.846 χ^2/NDF: 333.5/100

- sign -4648.787+/-377.178 χ^2/NDF: 37.7/51

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2199.622+/-0.416 χ^2/NDF: 206677.6/24

Left Out: 2203.297+/-0.362 χ^2/NDF:88208.3/23

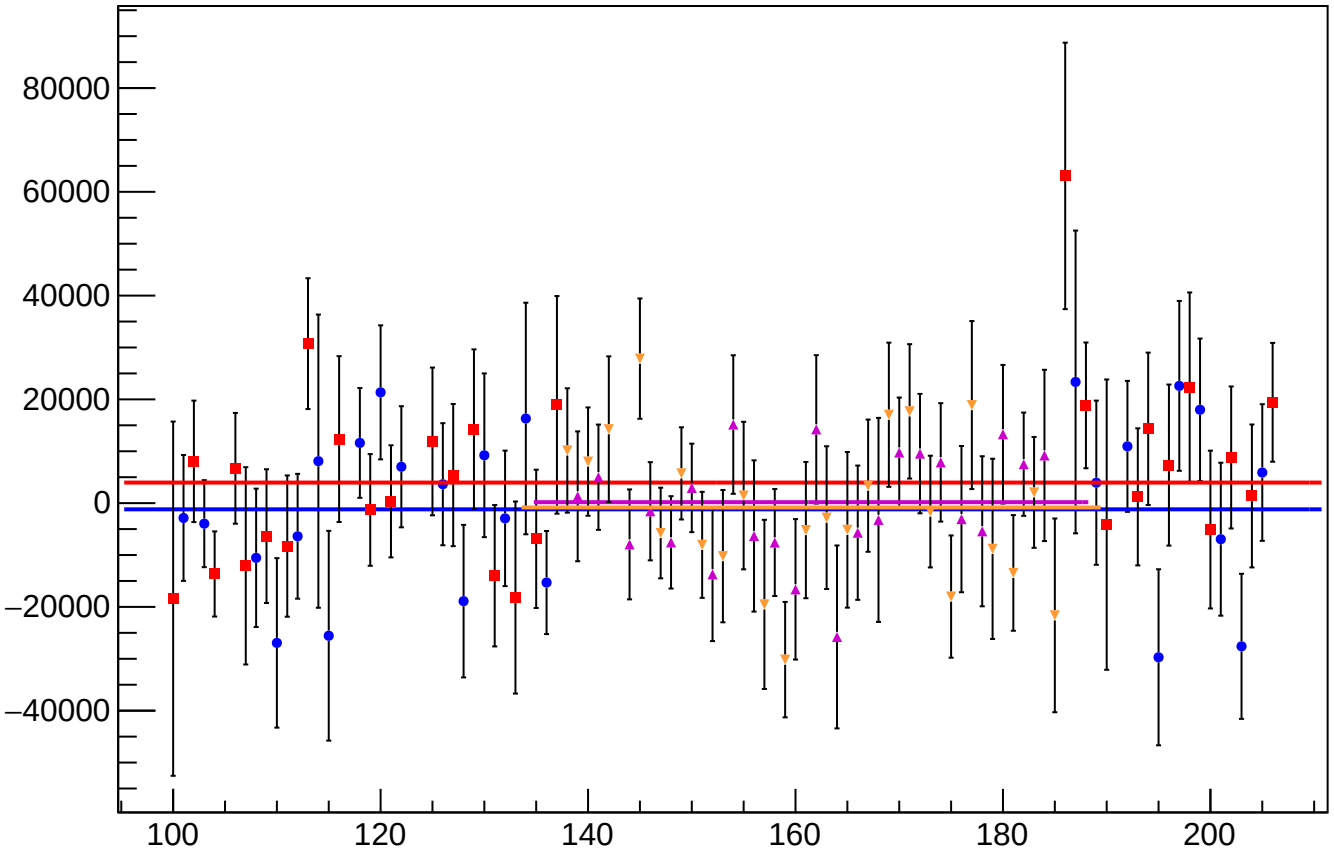
Right Out: 2190.943+/-0.390 χ^2/NDF: 202158.0/28

Left In: 2208.379+/-0.365 χ^2/NDF:80994.3/22

+ sign 2201.713+/-0.273 χ^2/NDF: 294930.3/48

All: 2200.953+/-0.191 χ^2/NDF: 579164.0/100

- sign 2200.231+/-0.266 χ^2/NDF: 284218.6/51



Right In: -1194.934+/-2705.805 χ^2/NDF: 27.2/24

Left Out: -833.458+/-2481.469 χ^2/NDF:29.5/23

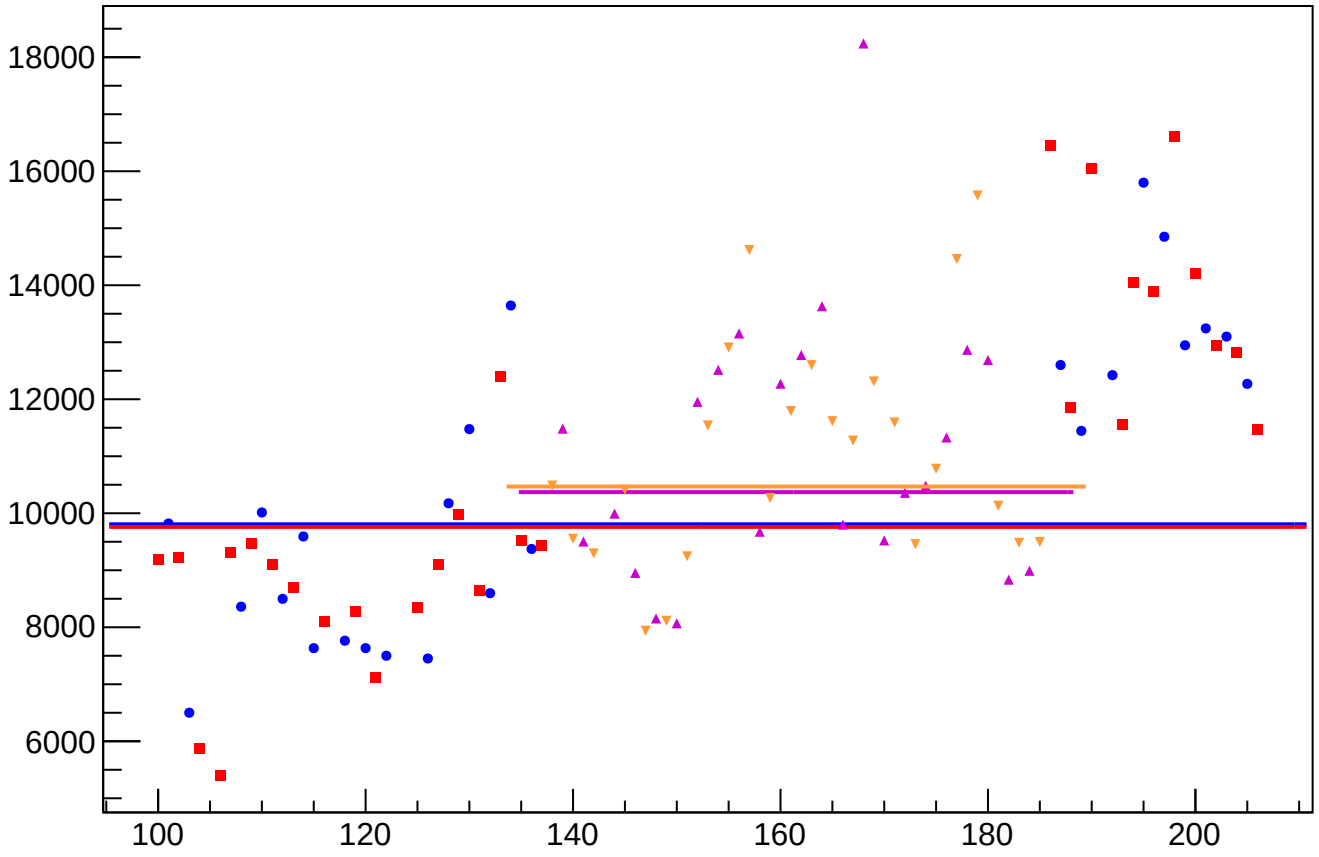
Right Out: 3964.427+/-2550.362 χ^2/NDF: 28.5/28

Left In: 182.360+/-2471.221 χ^2/NDF:13.8/22

+ sign -998.592+/-1828.838 χ^2/NDF: 56.7/48

All: 552.822+/-1273.625 χ^2/NDF: 101.4/100

- sign 2013.803+/-1774.736 χ^2/NDF: 43.4/51



Right In: 9806.327+/-1.913 χ^2/NDF: 1734172.9/24

Left Out: 10468.676+/-1.755 χ^2/NDF:1045258.5/23

Right Out: 9761.178+/-1.803 χ^2/NDF: 2414582.6/28

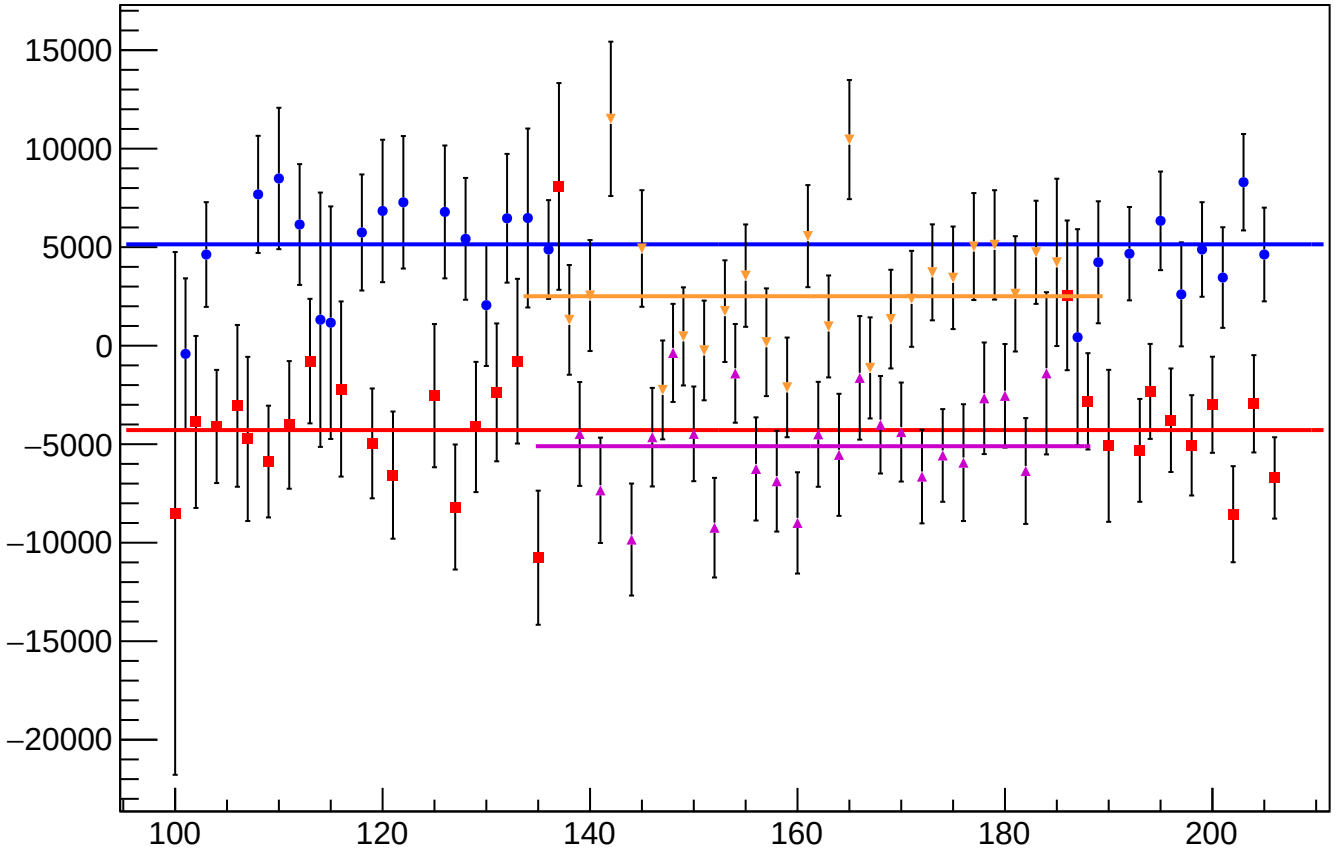
Left In: 10370.886+/-1.747 χ^2/NDF:1203763.9/22

+ sign 10166.093+/-1.293 χ^2/NDF: 2844525.8/48

All: 10119.508+/-0.901 χ^2/NDF: 6524346.1/1

- sign 10075.639+/-1.255 χ^2/NDF: 3677300.5/51

dit_asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 5144.303+/-605.399 χ^2/NDF: 11.0/24

Left Out: 2508.976+/-551.601 χ^2/NDF:29.8/23

Right Out: -4284.142+/-570.154 χ^2/NDF: 24.1/28

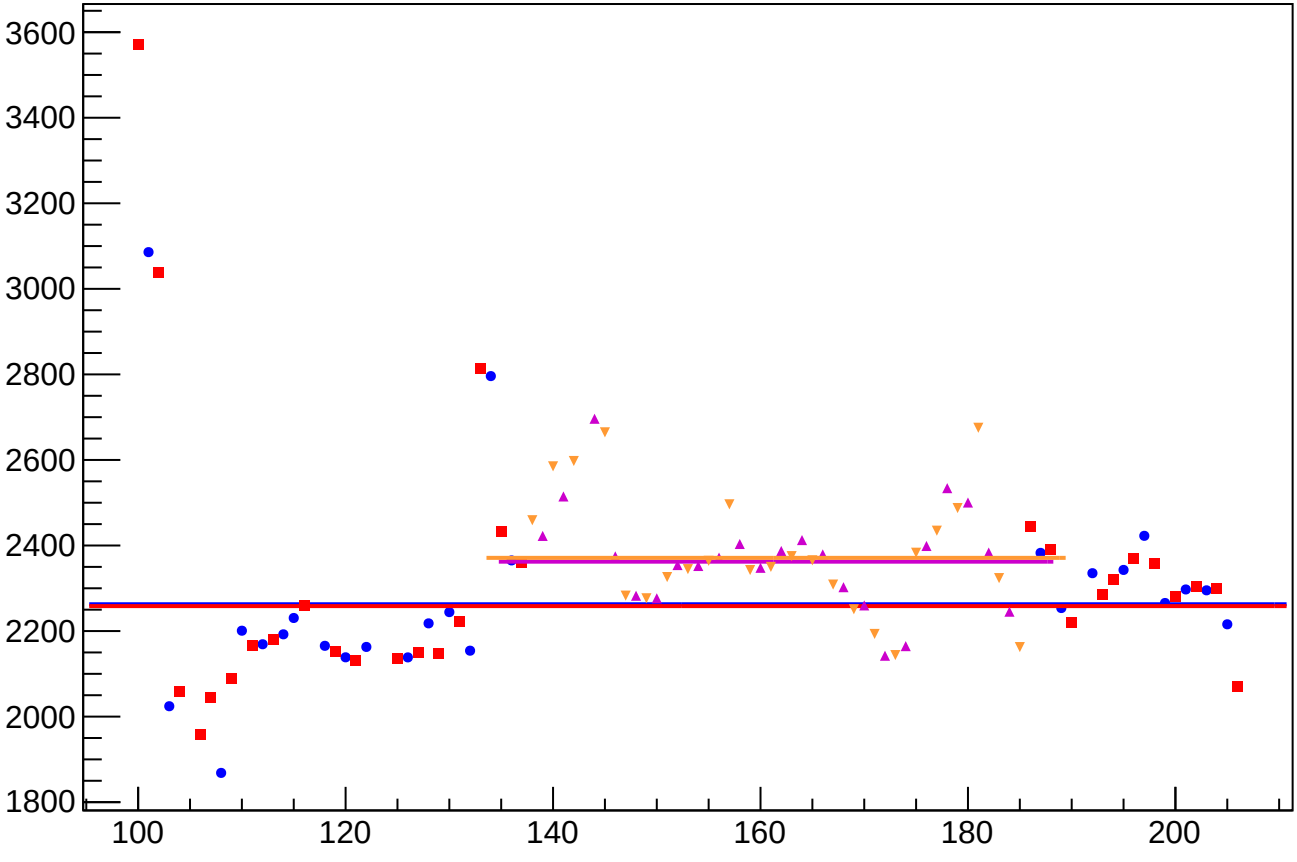
Left In: -5102.993+/-552.583 χ^2/NDF:19.9/22

+ sign 3704.366+/-407.736 χ^2/NDF: 51.1/48

All: -615.299+/-284.368 χ^2/NDF: 314.7/100

- sign -4706.380+/-396.802 χ^2/NDF: 45.0/51

dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2262.661+/-0.428 χ^2/NDF: 202601.5/24

Left Out: 2371.137+/-0.390 χ^2/NDF:116296.5/23

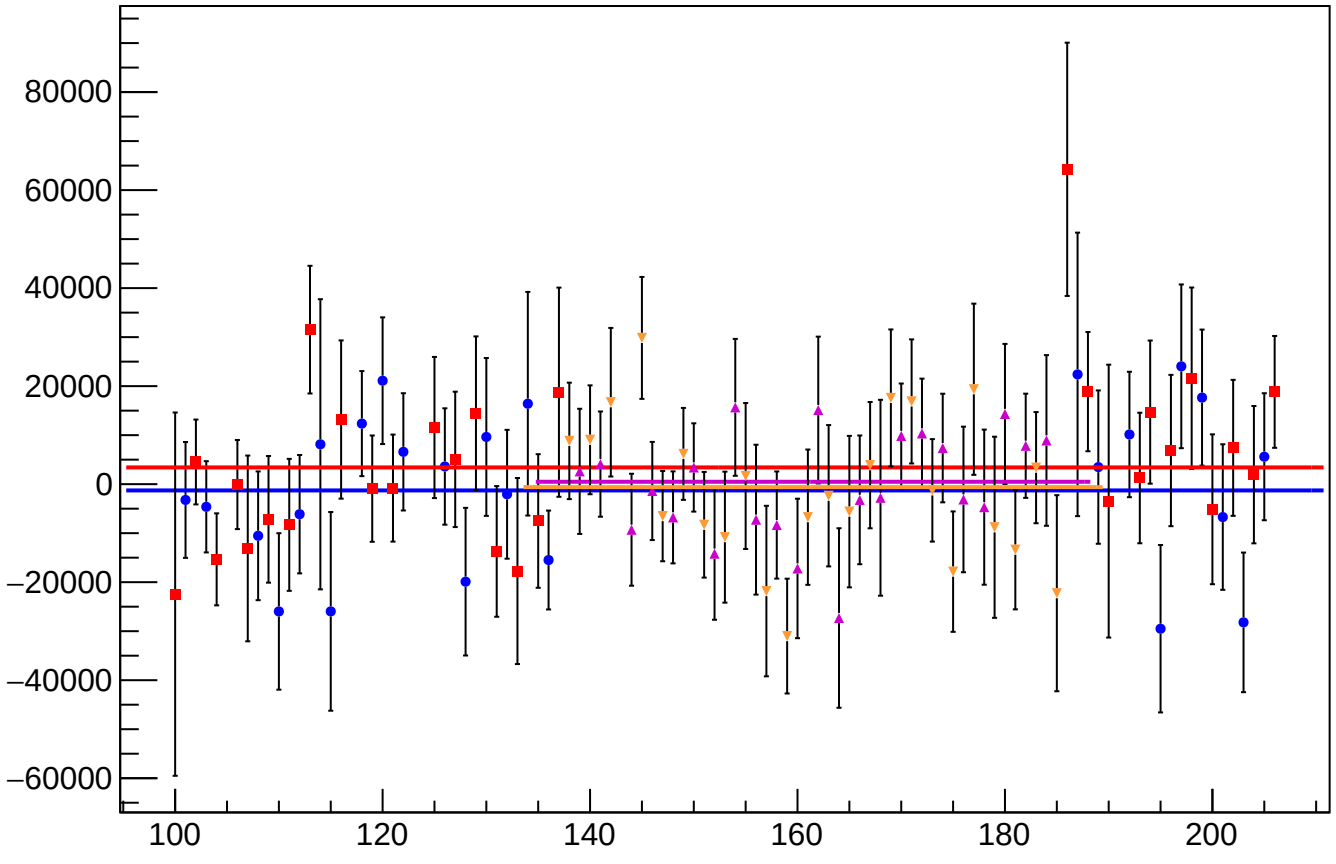
Right Out: 2258.317+/-0.403 χ^2/NDF: 210913.0/28

Left In: 2362.218+/-0.391 χ^2/NDF:91896.7/22

+ sign 2321.932+/-0.288 χ^2/NDF: 353982.7/48

All: 2316.768+/-0.201 χ^2/NDF: 691675.3/100

- sign 2311.878+/-0.281 χ^2/NDF: 337068.1/51



Right In: -1278.795+/-2747.947 χ^2/NDF: 27.0/24

Left Out: -608.283+/-2589.919 χ^2/NDF:28.9/23

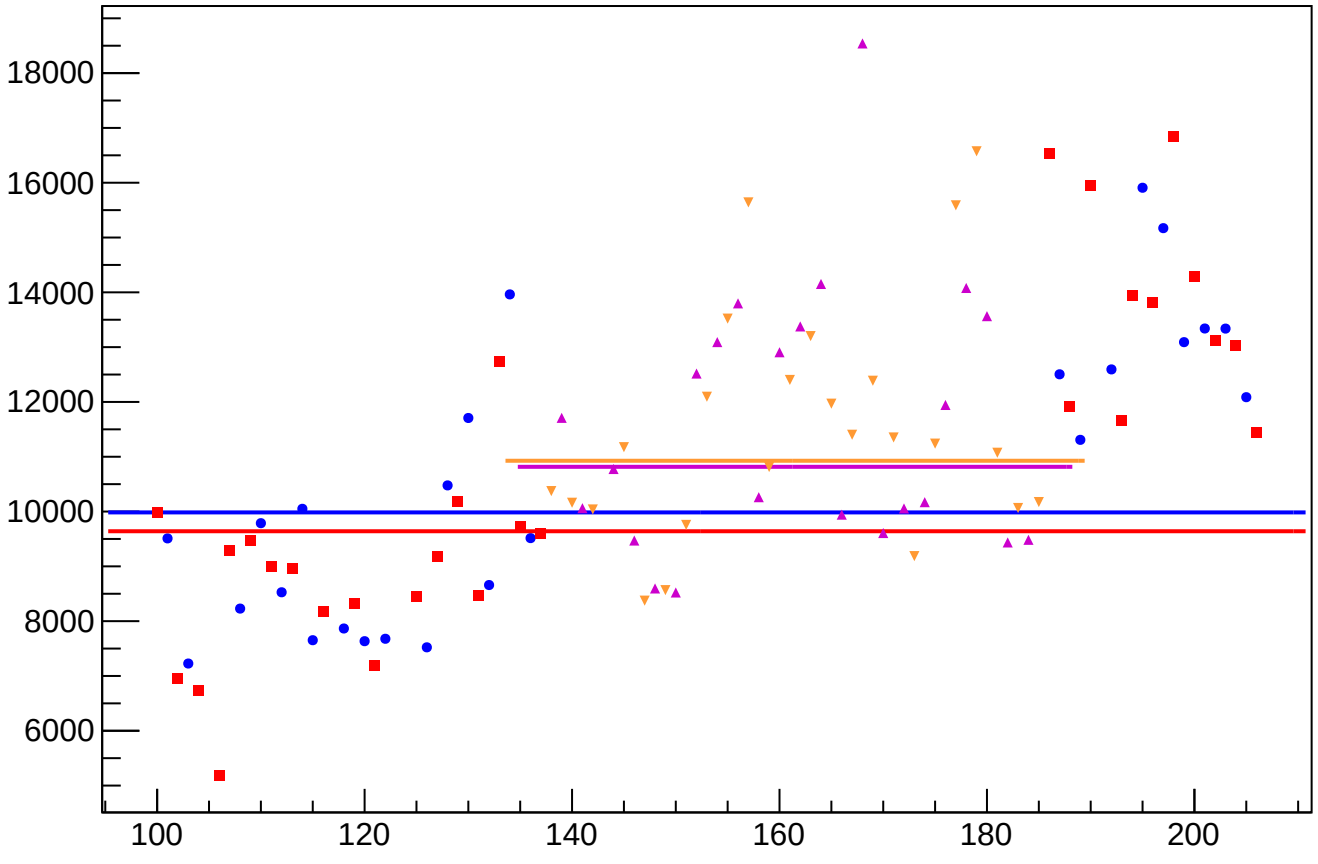
Right Out: 3416.229+/-2517.644 χ^2/NDF: 28.1/28

Left In: 490.044+/-2577.213 χ^2/NDF:13.5/22

+ sign -923.706+/-1884.741 χ^2/NDF: 55.9/48

All: 597.978+/-1302.073 χ^2/NDF: 99.5/100

- sign 1987.345+/-1800.935 χ^2/NDF: 42.3/51



Right In: 9984.315+/-1.943 χ^2/NDF: 1597257.3/24

Left Out: 10926.860+/-1.831 χ^2/NDF:1057331.1/23

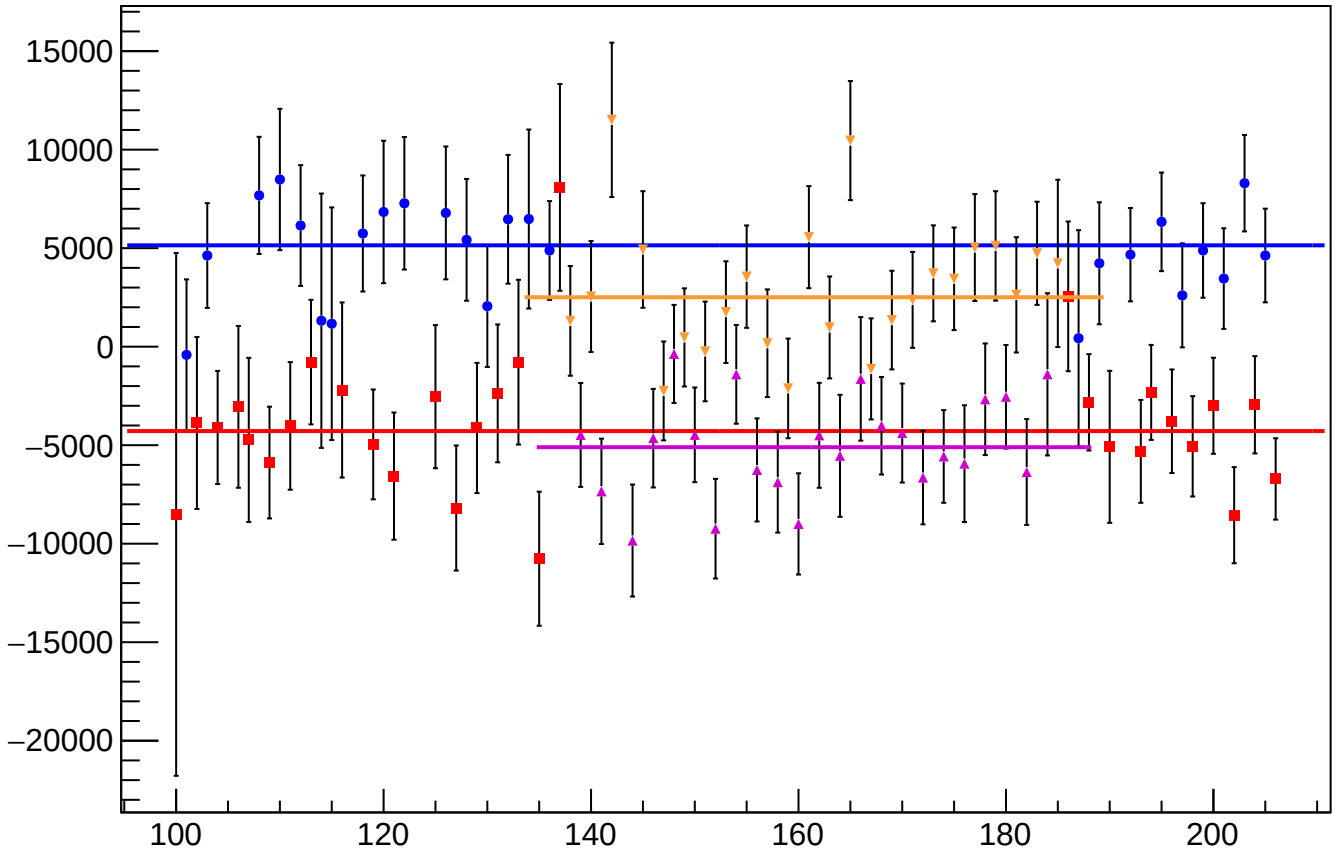
Right Out: 9640.638+/-1.780 χ^2/NDF: 2569760.5/28

Left In: 10816.320+/-1.822 χ^2/NDF:1196820.9/22

+ sign 10483.467+/-1.333 χ^2/NDF: 2779197.2/48

All: 10342.994+/-0.921 χ^2/NDF: 6780001.5/1

- sign 10214.735+/-1.273 χ^2/NDF: 3979550.3/51



Right In: 5144.297+/-605.399 χ^2/NDF: 11.0/24

Left Out: 2508.963+/-551.602 χ^2/NDF:29.8/23

Right Out: -4284.136+/-570.154 χ^2/NDF: 24.1/28

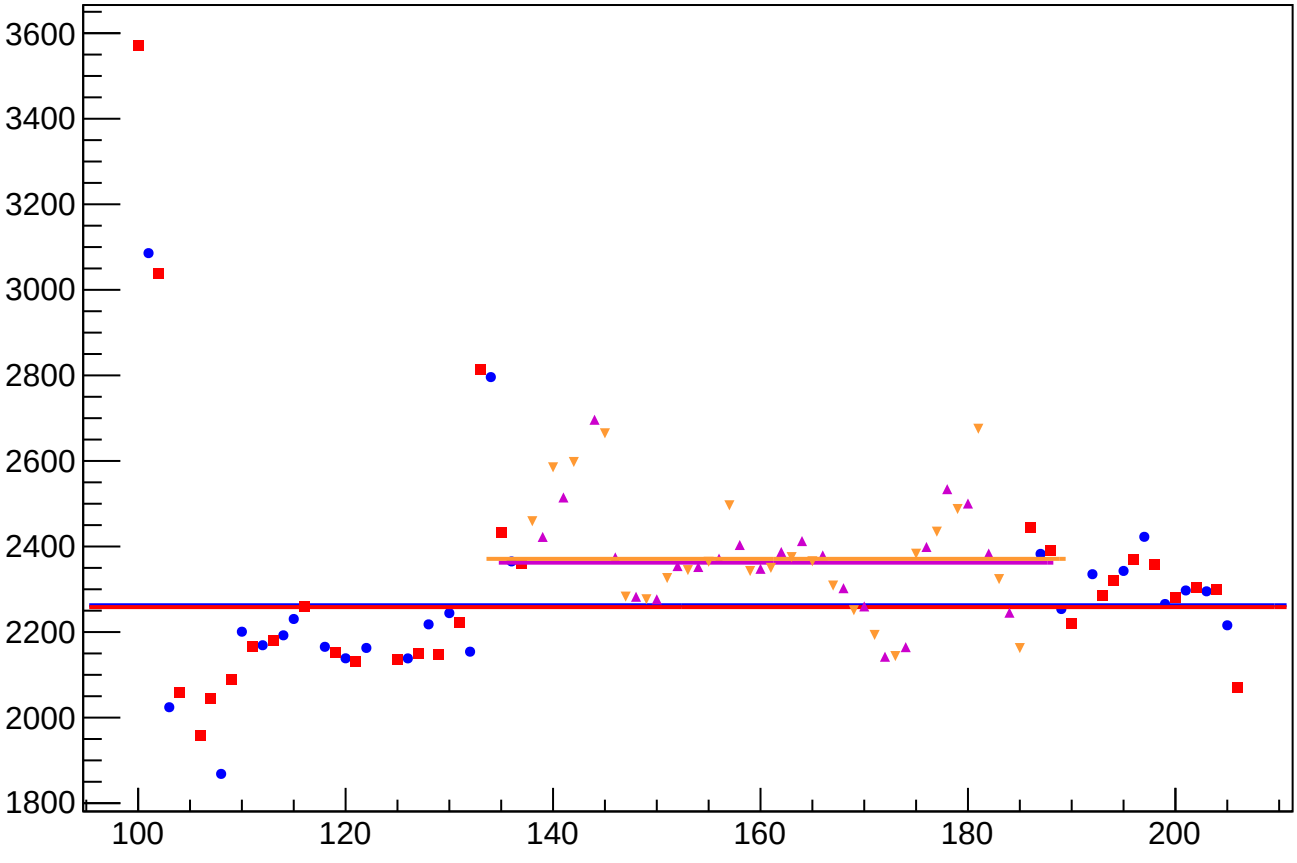
Left In: -5102.996+/-552.584 χ^2/NDF:19.9/22

+ sign 3704.358+/-407.737 χ^2/NDF: 51.1/48

All: -615.301+/-284.368 χ^2/NDF: 314.7/100

- sign -4706.378+/-396.802 χ^2/NDF: 45.0/51

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 2262.661+/-0.428 χ^2/NDF: 202602.1/24

Left Out: 2371.140+/-0.390 χ^2/NDF:116300.8/23

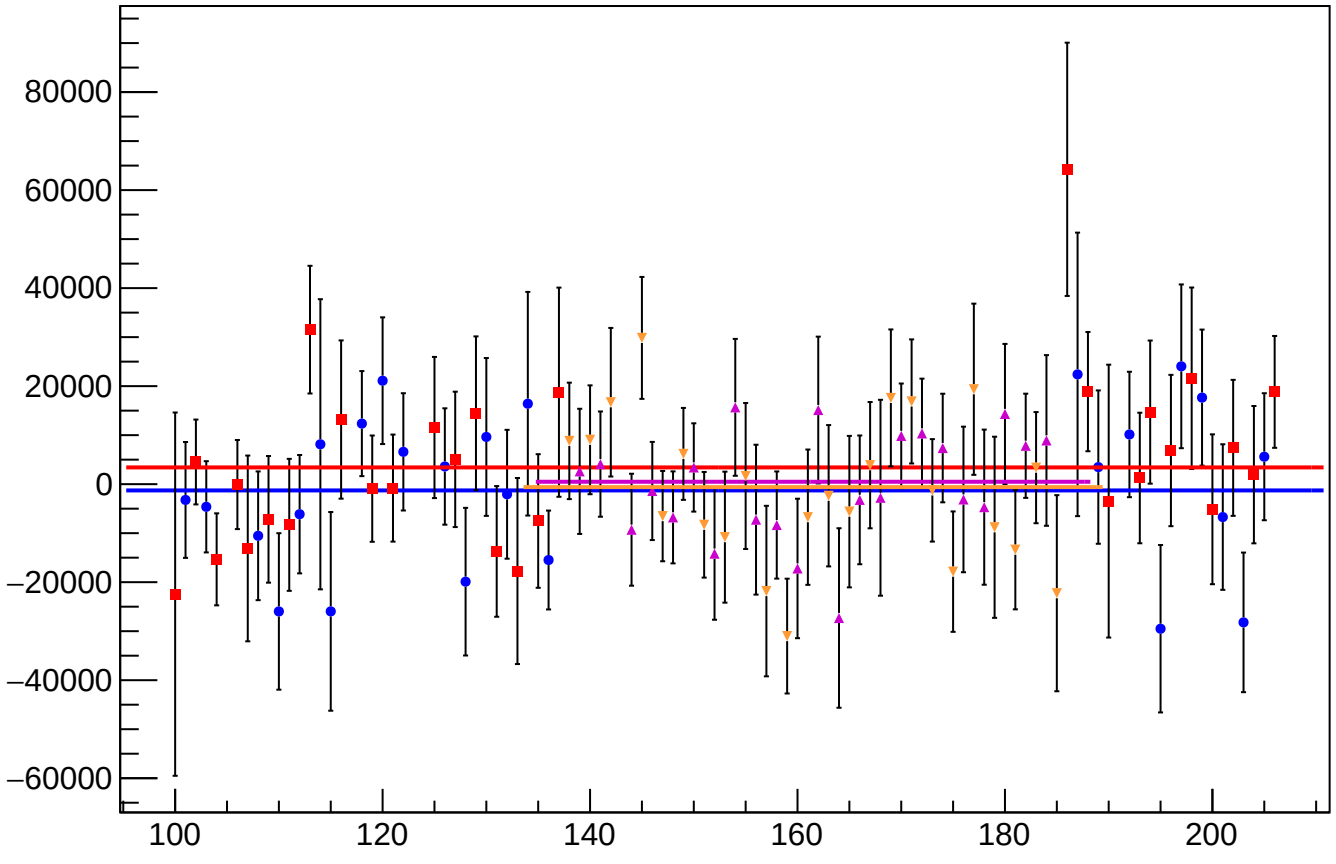
Right Out: 2258.317+/-0.403 χ^2/NDF: 210913.6/28

Left In: 2362.221+/-0.391 χ^2/NDF:91901.3/22

+ sign 2321.933+/-0.288 χ^2/NDF: 353990.0/48

All: 2316.769+/-0.201 χ^2/NDF: 691689.8/100

- sign 2311.880+/-0.281 χ^2/NDF: 337075.3/51



Right In: -1278.781+/-2747.944 χ^2/NDF: 27.0/24

Left Out: -608.291+/-2589.924 χ^2/NDF:28.9/23

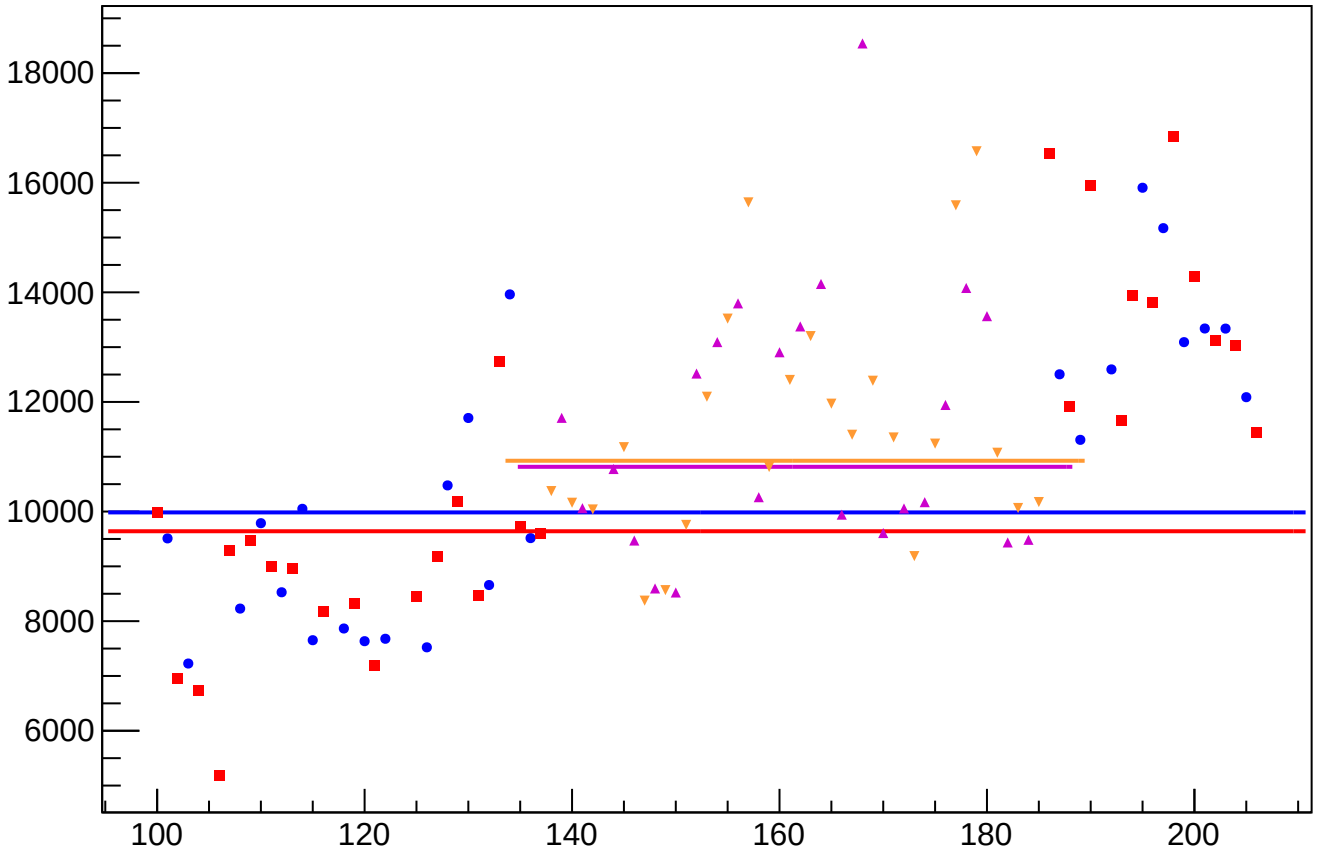
Right Out: 3416.213+/-2517.641 χ^2/NDF: 28.1/28

Left In: 490.047+/-2577.218 χ^2/NDF:13.5/22

+ sign -923.705+/-1884.742 χ^2/NDF: 55.9/48

All: 597.977+/-1302.073 χ^2/NDF: 99.5/100

- sign 1987.342+/-1800.935 χ^2/NDF: 42.3/51



Right In: 9984.299+/-1.943 χ^2/NDF: 1597280.4/24

Left Out: 10926.878+/-1.831 χ^2/NDF:1057333.6/23

Right Out: 9640.624+/-1.780 χ^2/NDF: 2569781.7/28

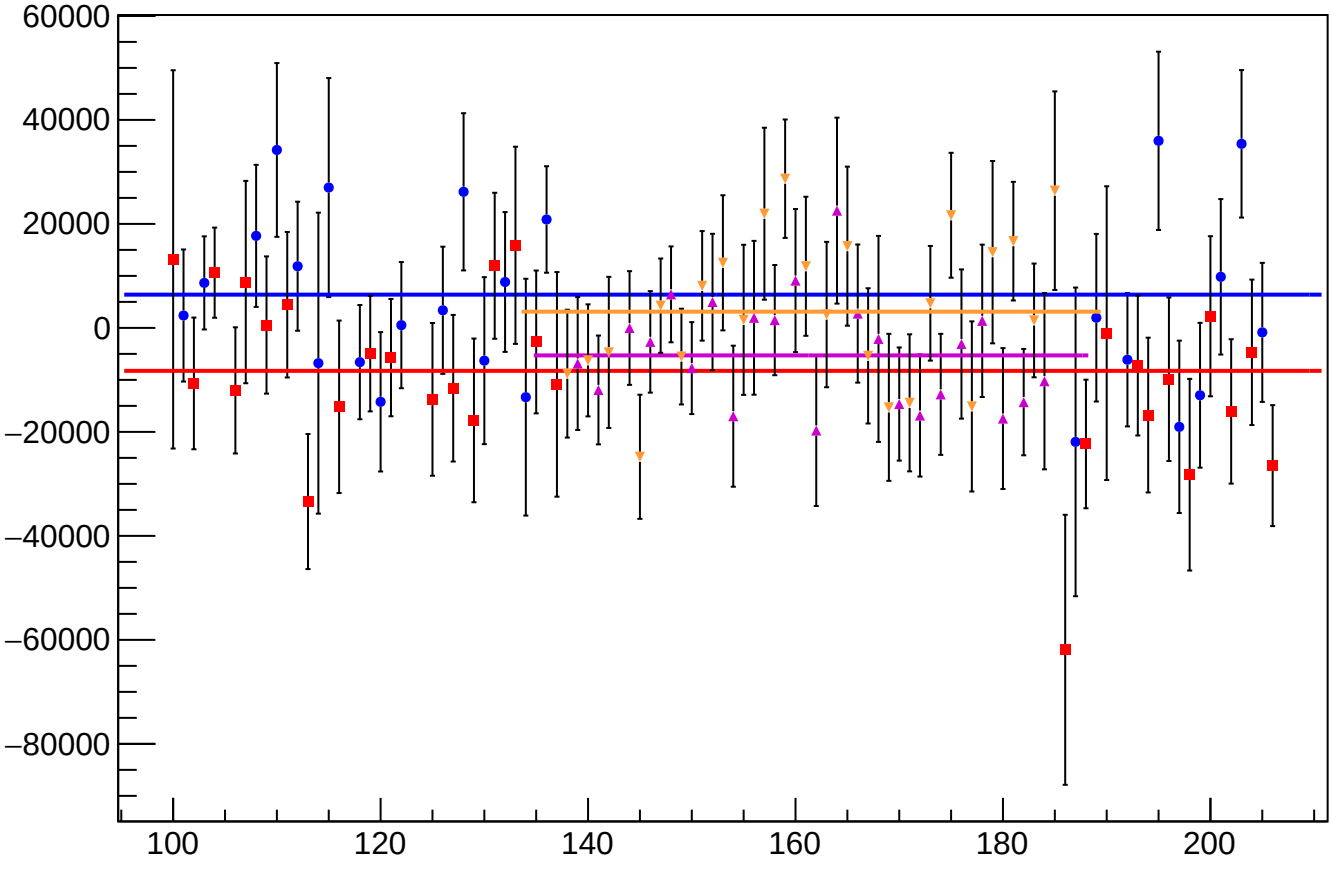
Left In: 10816.337+/-1.822 χ^2/NDF:1196824.5/22

+ sign 10483.468+/-1.333 χ^2/NDF: 2779231.6/48

All: 10342.994+/-0.921 χ^2/NDF: 6780072.0/1

- sign 10214.734+/-1.273 χ^2/NDF: 3979586.2/51

asym_us_avg_at2lr_avg_avg_mean vs Slug



Right In: 6394.082+/-2790.416 χ^2/NDF: 27.9/24

Left Out: 3119.161+/-2542.855 χ^2/NDF:27.4/23

Right Out: -8261.675+/-2641.529 χ^2/NDF: 26.2/28

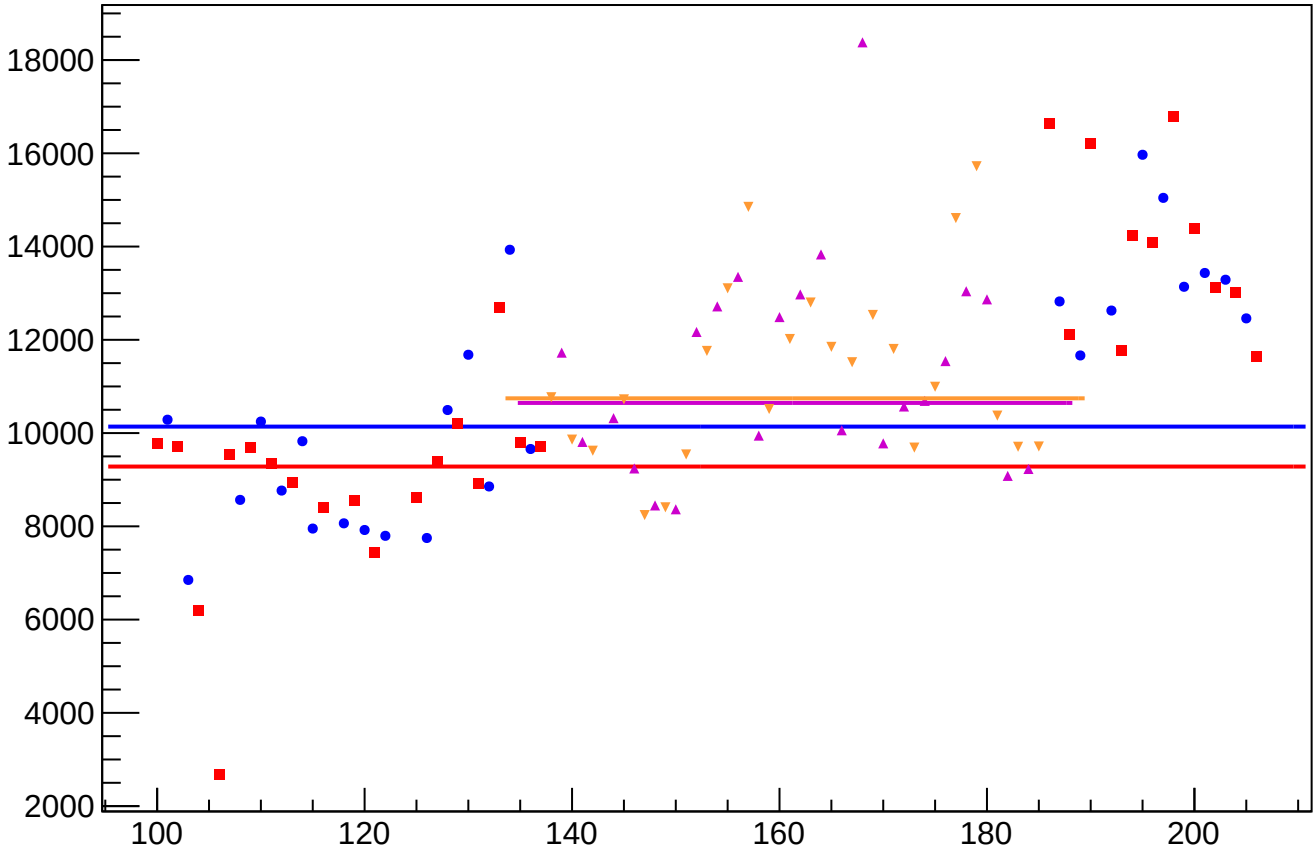
Left In: -5290.718+/-2532.995 χ^2/NDF:13.3/22

+ sign 4604.932+/-1879.510 χ^2/NDF: 56.1/48

All: -1210.899+/-1310.520 χ^2/NDF: 114.9/10

- sign -6713.909+/-1828.264 χ^2/NDF: 40.2/51

asym_us_avg_at2lr_avg_avg_rms vs Slug



Right In: 10138.835+/-1.973 χ^2/NDF: 1581928.4/24

Left Out: 10745.331+/-1.798 χ^2/NDF:964618.1/23

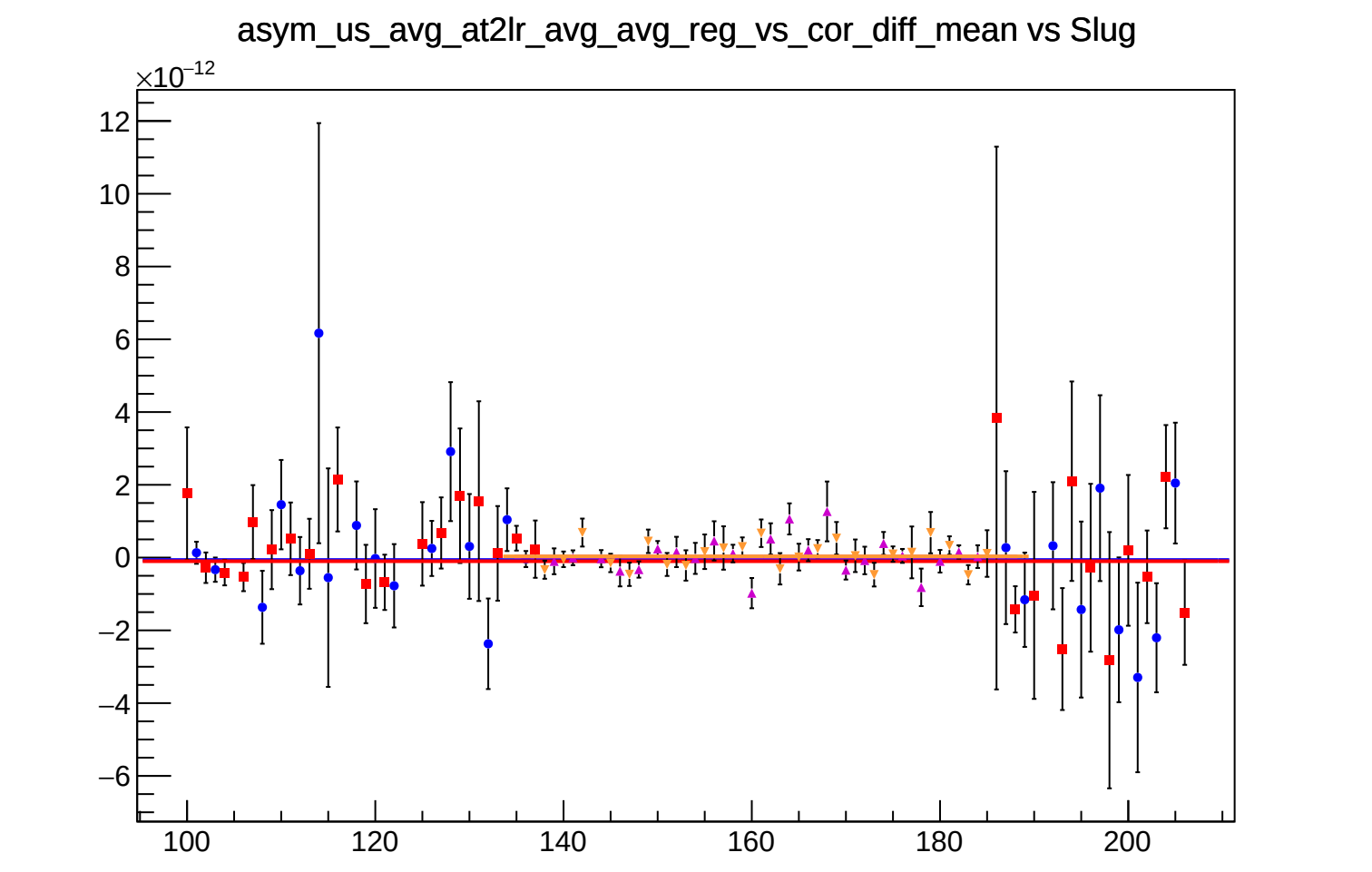
Right Out: 9282.148+/-1.776 χ^2/NDF: 4126673.2/28

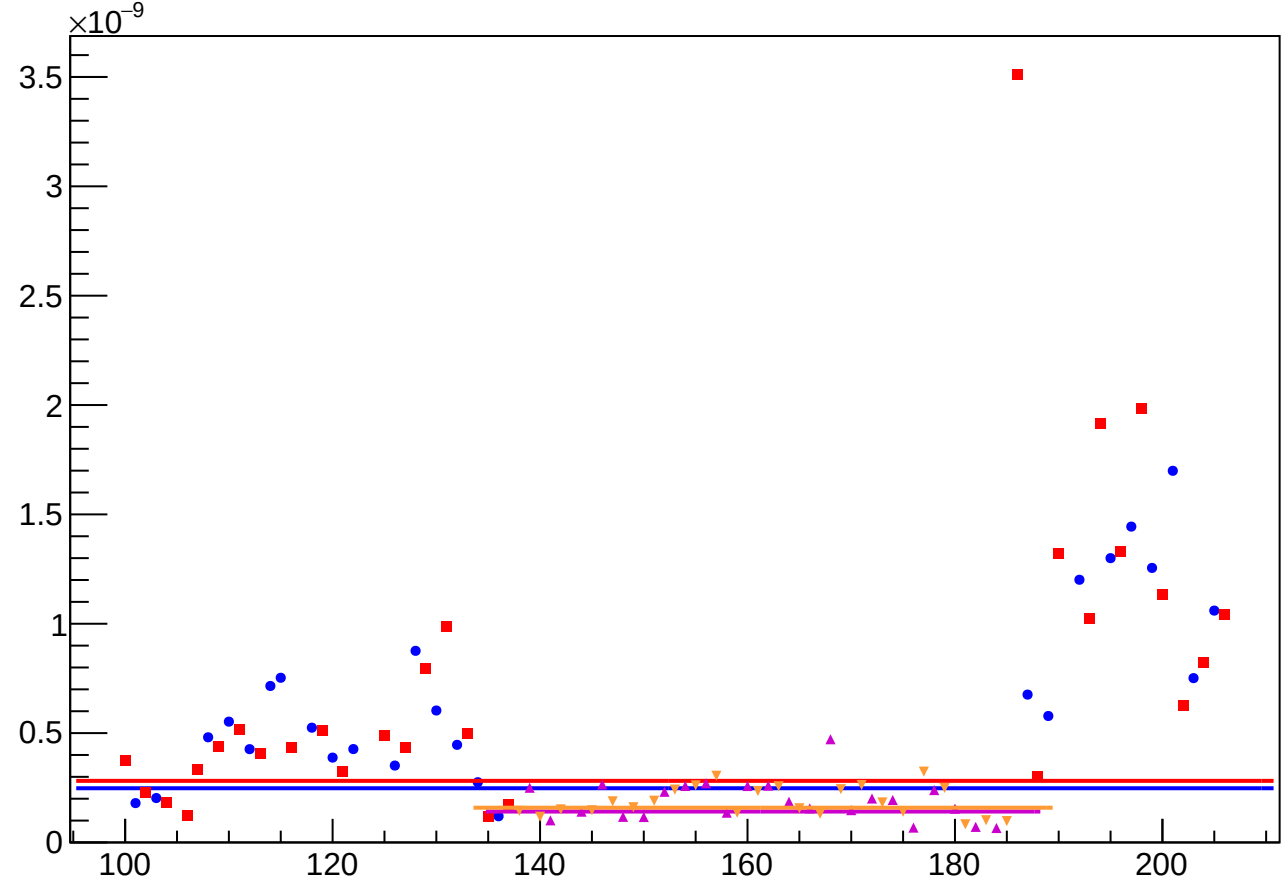
Left In: 10646.477+/-1.791 χ^2/NDF:1114064.0/22

+ sign 10470.172+/-1.329 χ^2/NDF: 2598164.2/48

All: 10200.849+/-0.915 χ^2/NDF: 8209572.7/1

- sign 9958.389+/-1.261 χ^2/NDF: 5533370.8/51


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
12
10
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 22.2/24
Left Out: 0.000+/-0.000 χ²/NDF:26.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 25.9/28
Left In: 0.000+/-0.000 χ²/NDF:27.9/22
+ sign 0.000+/-0.000 χ²/NDF: 48.9/48
All: 0.000+/-0.000 χ²/NDF: 103.3/100
- sign 0.000+/-0.000 χ²/NDF: 54.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 5249652.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:1297018.7/23

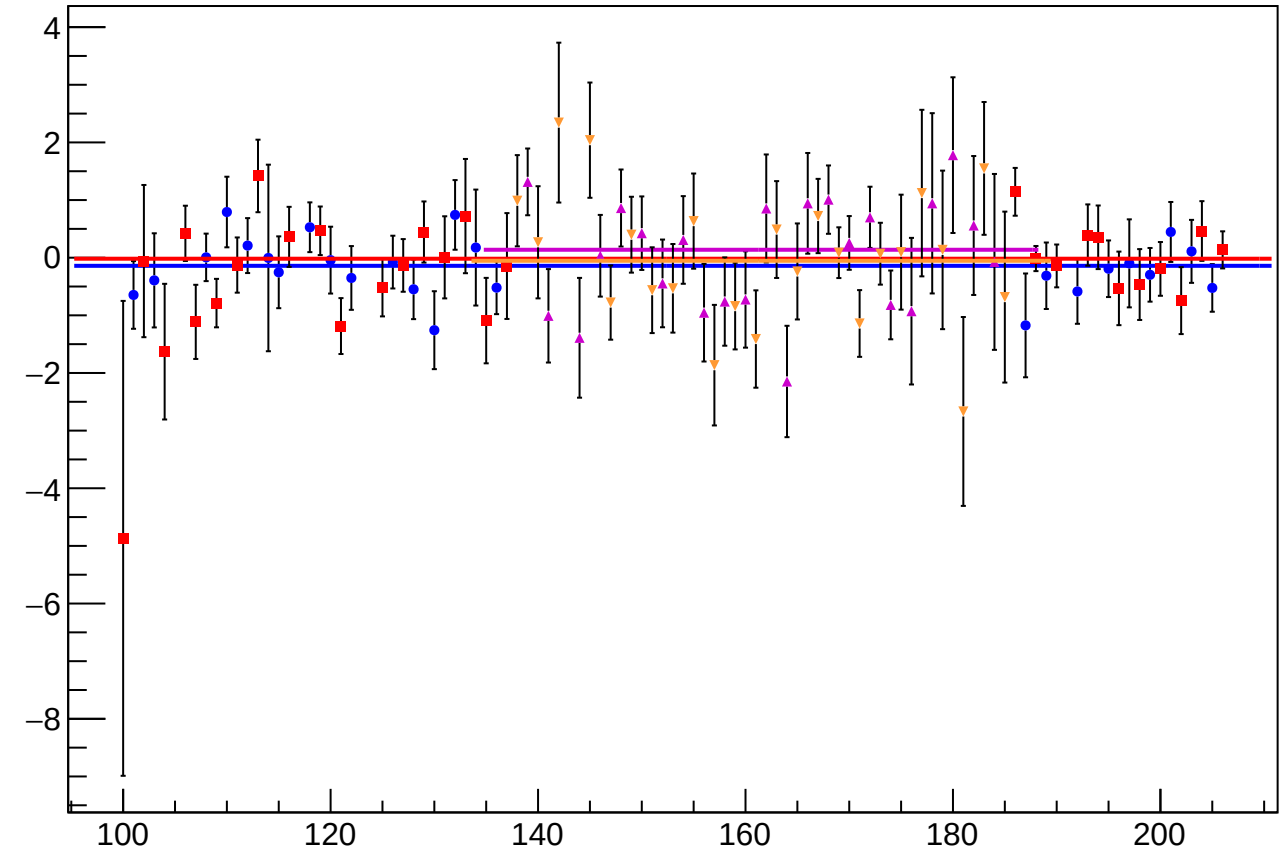
Right Out: 0.000+/-0.000 χ^2/NDF: 5746148.6/28

Left In: 0.000+/-0.000 χ^2/NDF:2396288.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7224005.1/48

All: 0.000+/-0.000 χ^2/NDF: 16972670.3/100

- sign 0.000+/-0.000 χ^2/NDF: 9693327.1/51



Right In: -0.141+/-0.111 χ^2/NDF: 17.2/24

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

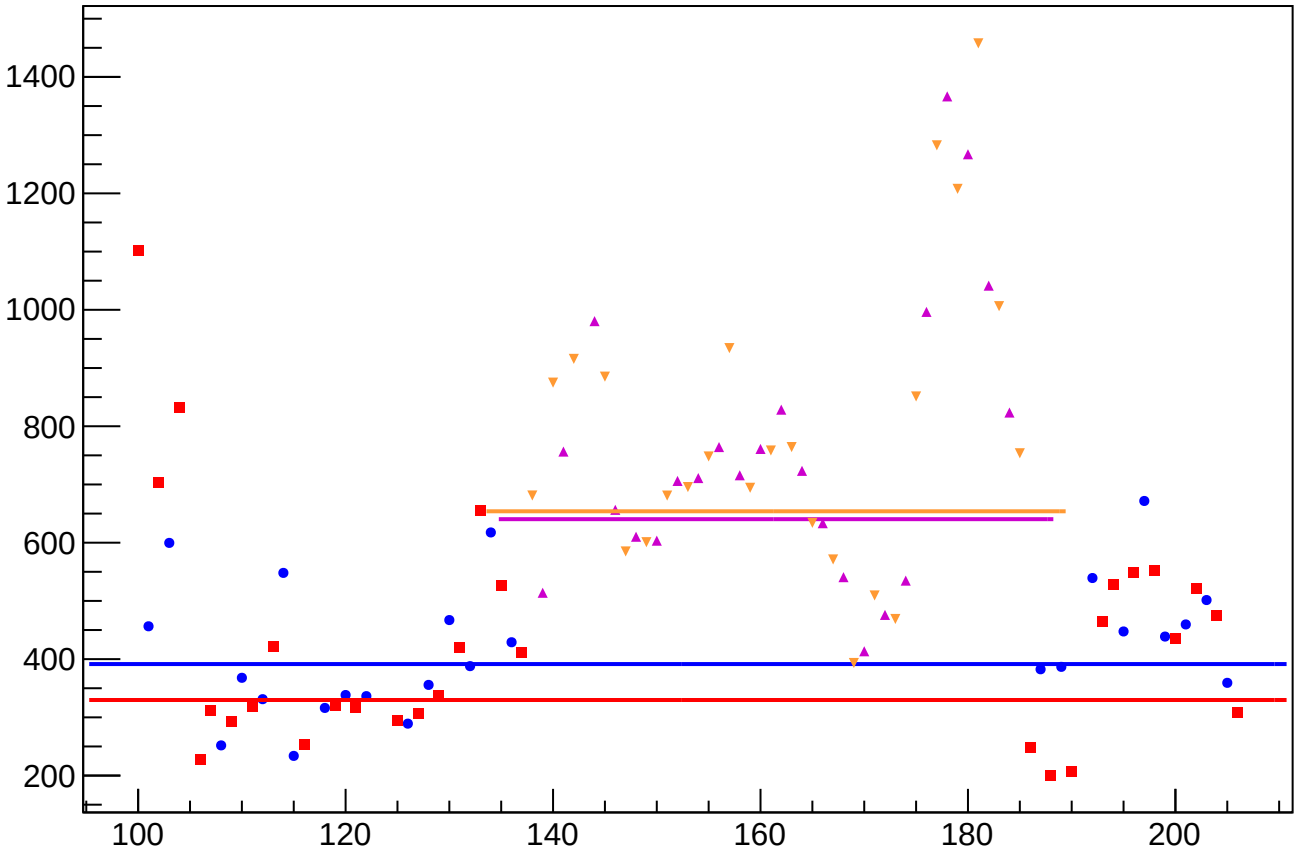
Right Out: -0.018+/-0.091 χ^2/NDF: 40.7/28

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.113+/-0.091 χ^2/NDF: 47.6/48

All: -0.036+/-0.060 χ^2/NDF: 120.2/100

- sign 0.021+/-0.079 χ^2/NDF: 71.4/51



Right In: 391.533+/-0.078 χ^2/NDF: 1495095.1/24

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

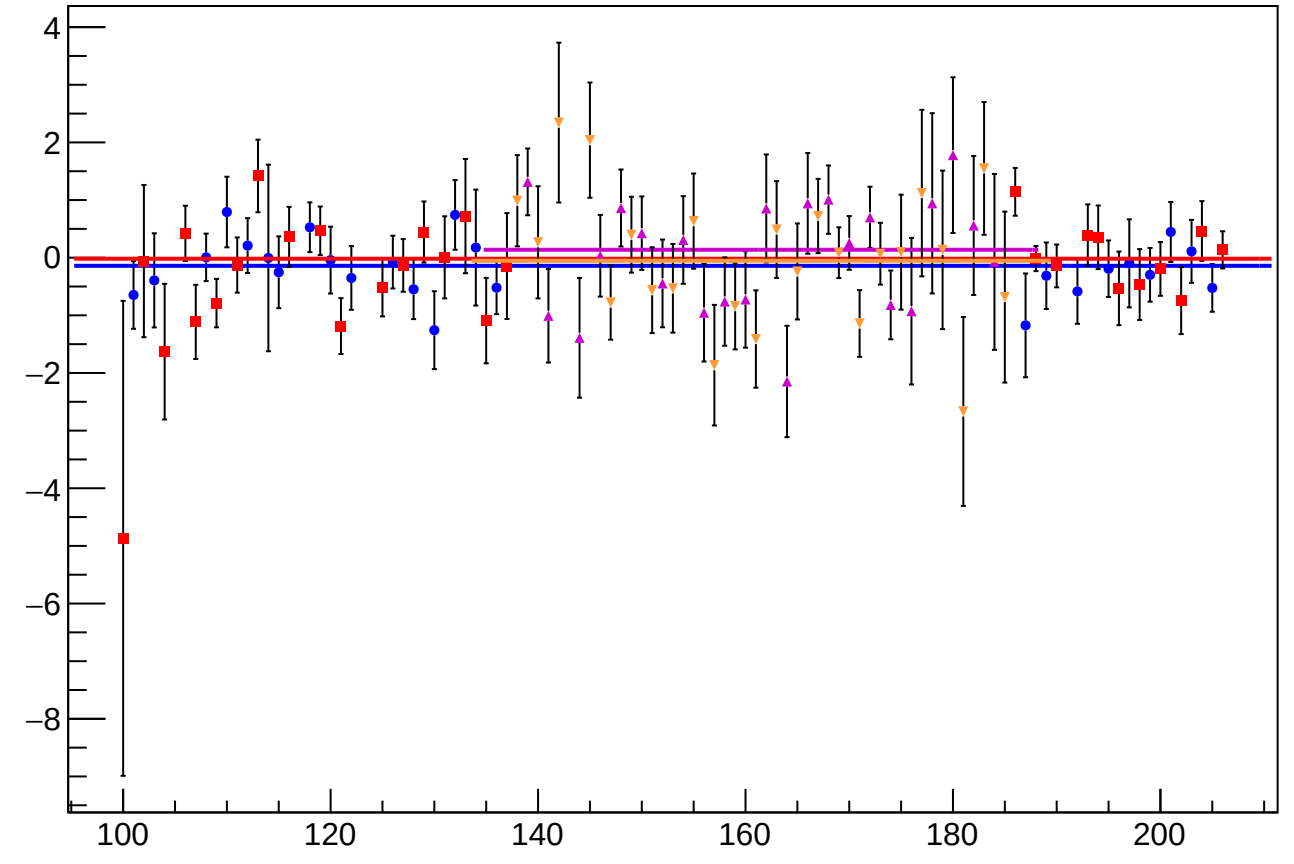
Right Out: 329.801+/-0.065 χ^2/NDF: 3590437.9/28

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 475.333+/-0.064 χ^2/NDF: 8220786.2/48

All: 436.861+/-0.042 χ^2/NDF: 20879539.1/10

- sign 407.868+/-0.056 χ^2/NDF: 12034220.8/51



Right In: -0.141+/-0.111 χ^2/NDF: 17.2/24

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

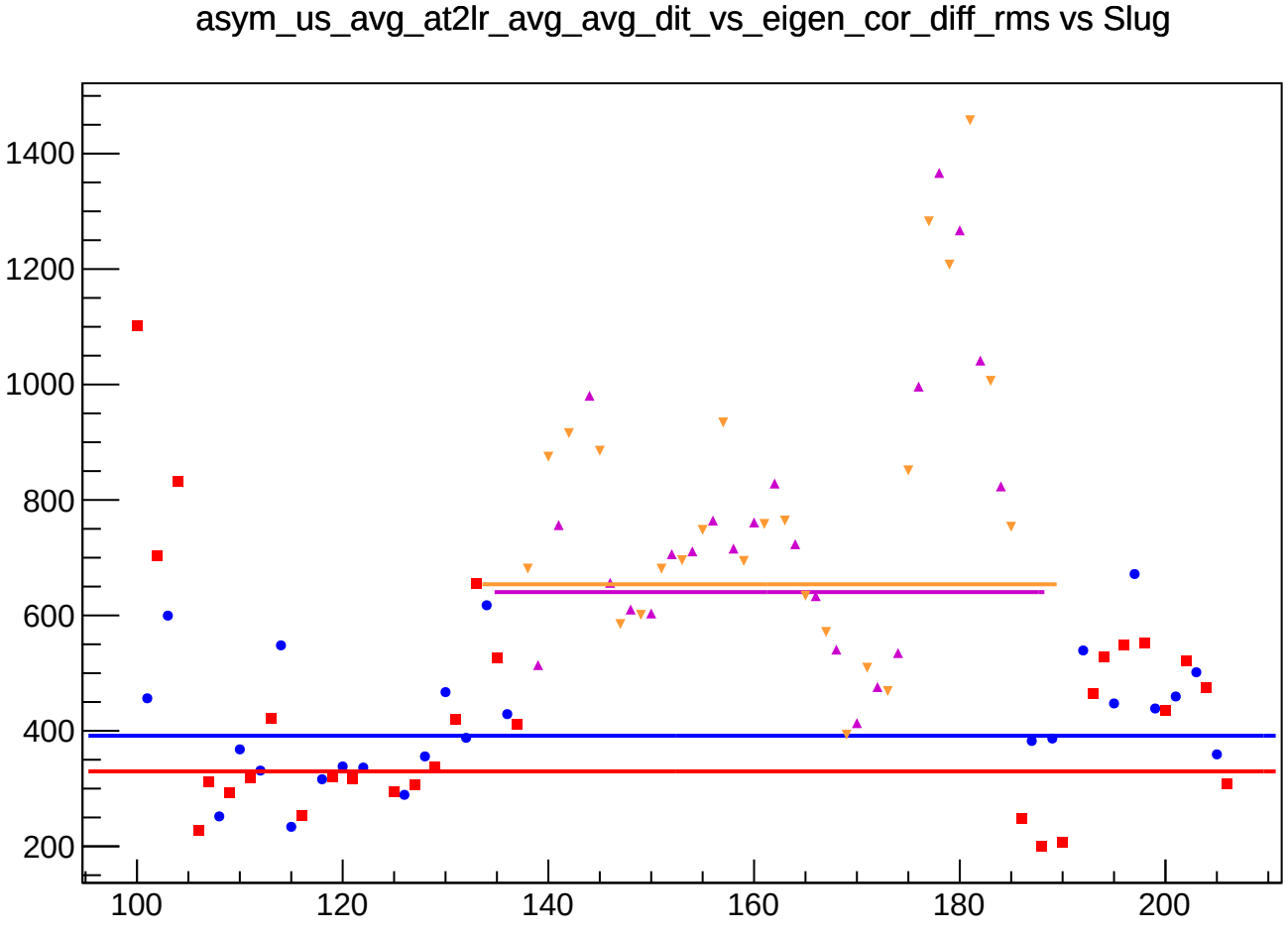
Right Out: -0.018+/-0.091 χ^2/NDF: 40.7/28

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.113+/-0.091 χ^2/NDF: 47.6/48

All: -0.036+/-0.060 χ^2/NDF: 120.2/100

- sign 0.021+/-0.079 χ^2/NDF: 71.4/51



Right In: 391.533+/-0.078 χ^2/NDF: 1495095.1/24

Left Out: 653.930+/-0.114 χ^2/NDF:3124472.6/23

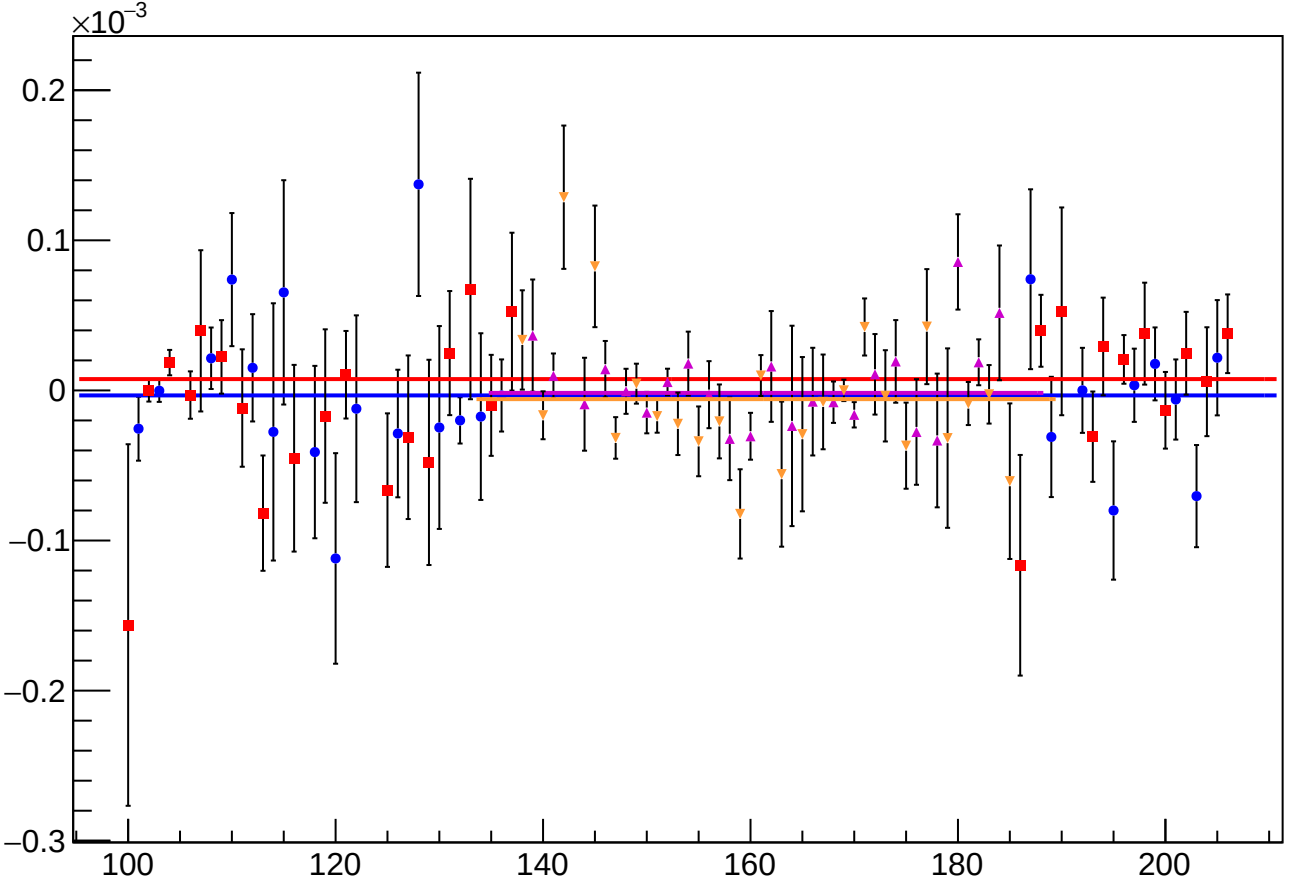
Right Out: 329.801+/-0.065 χ^2/NDF: 3590437.9/28

Left In: 640.392+/-0.112 χ^2/NDF:2647967.4/22

+ sign 475.333+/-0.064 χ^2/NDF: 8220786.2/48

All: 436.861+/-0.042 χ^2/NDF: 20879539.1/10

- sign 407.868+/-0.056 χ^2/NDF: 12034220.8/51



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:42.6/23

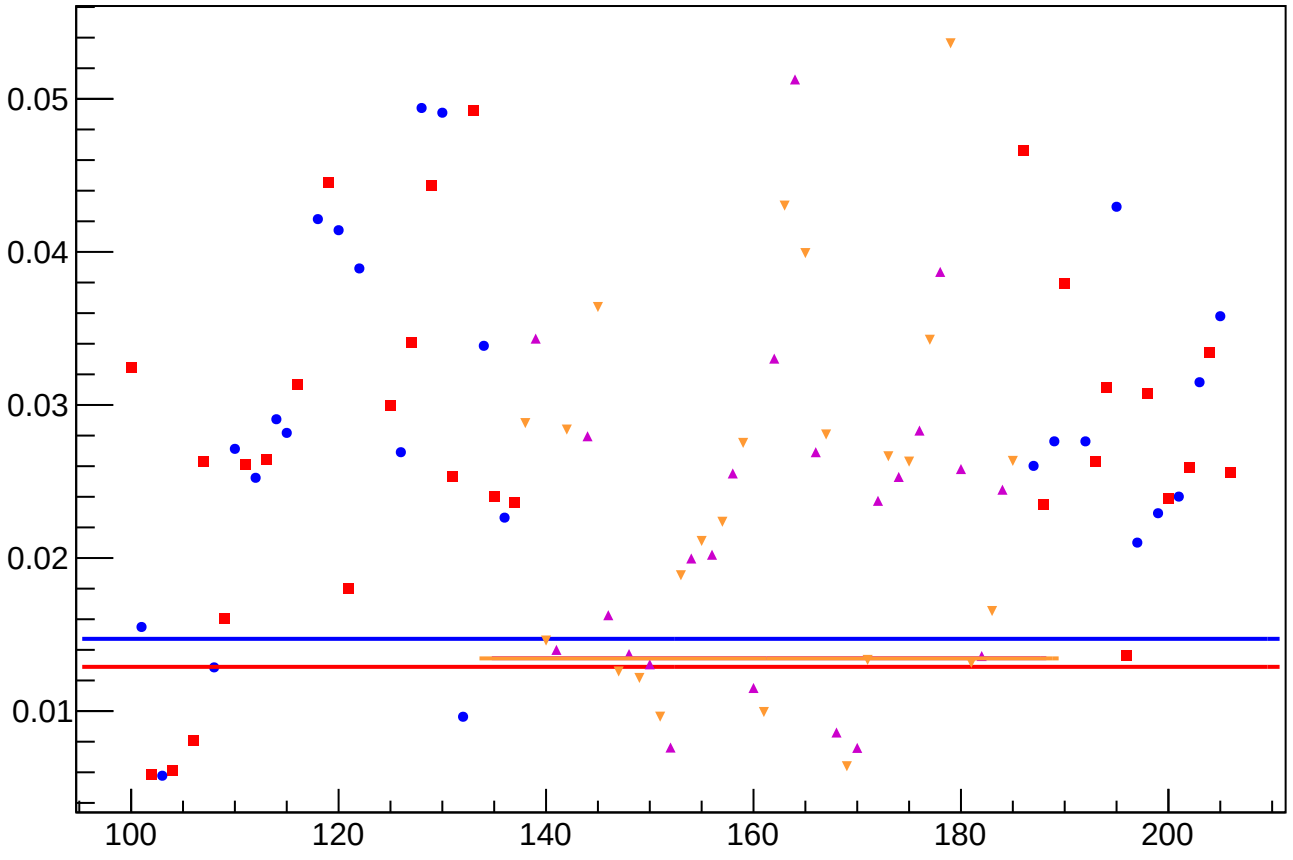
Right Out: 0.000+/-0.000 χ^2/NDF: 28.5/28

Left In: -0.000+/-0.000 χ^2/NDF:25.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.9/48

All: -0.000+/-0.000 χ^2/NDF: 128.0/100

- sign 0.000+/-0.000 χ^2/NDF: 56.8/51



Right In: 0.015+/-0.000 χ^2/NDF: 9343625.1/24

Left Out: 0.013+/-0.000 χ^2/NDF:8856192.5/23

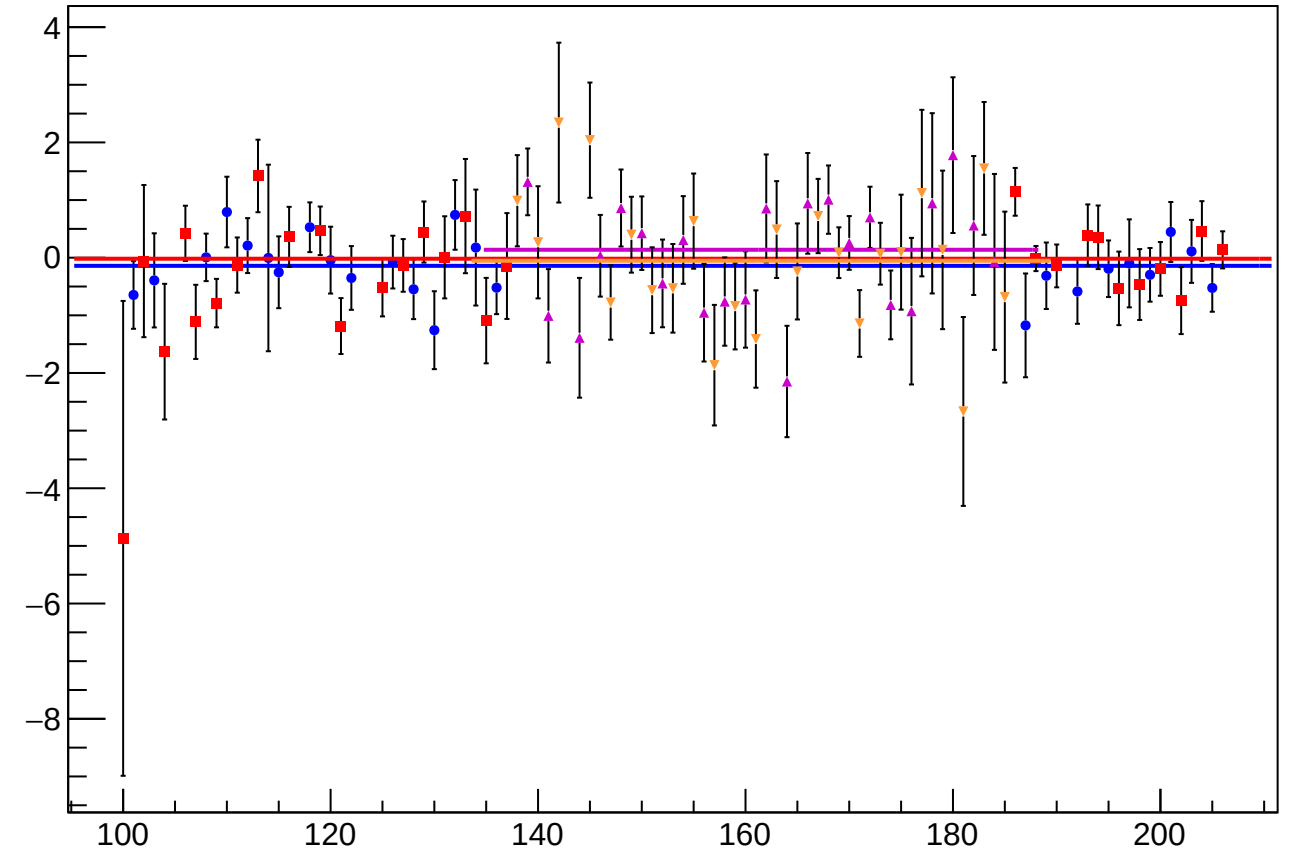
Right Out: 0.013+/-0.000 χ^2/NDF: 11357485.7/28

Left In: 0.013+/-0.000 χ^2/NDF:7548263.6/22

+ sign 0.014+/-0.000 χ^2/NDF: 18285772.9/48

All: 0.014+/-0.000 χ^2/NDF: 37272426.9/100

- sign 0.013+/-0.000 χ^2/NDF: 18926453.4/51



Right In: -0.141+/-0.111 χ^2/NDF: 17.2/24

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

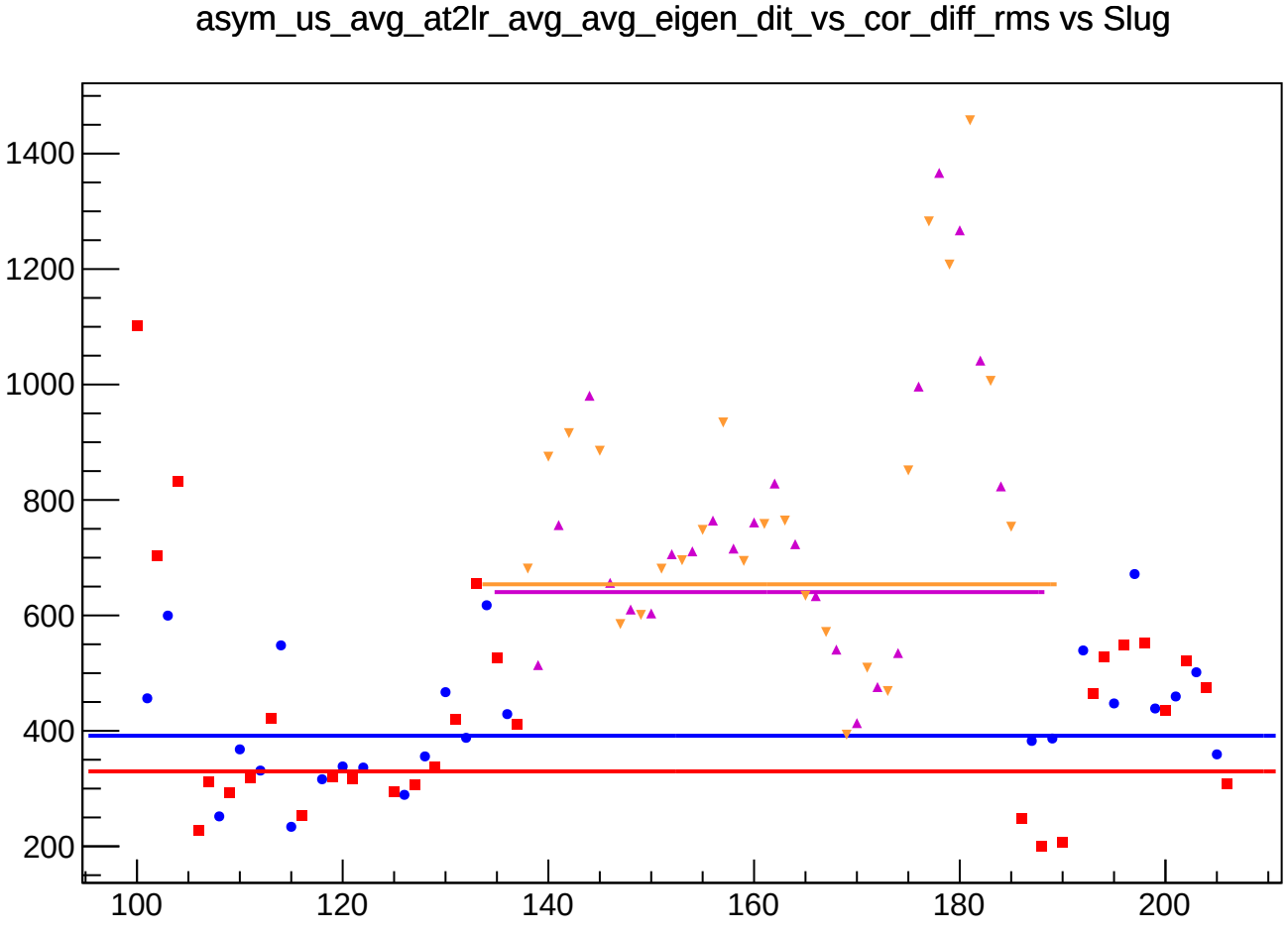
Right Out: -0.018+/-0.091 χ^2/NDF: 40.7/28

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.113+/-0.091 χ^2/NDF: 47.6/48

All: -0.036+/-0.060 χ^2/NDF: 120.2/100

- sign 0.021+/-0.079 χ^2/NDF: 71.4/51



Right In: 391.533+/-0.078 χ^2/NDF: 1495085.9/24

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

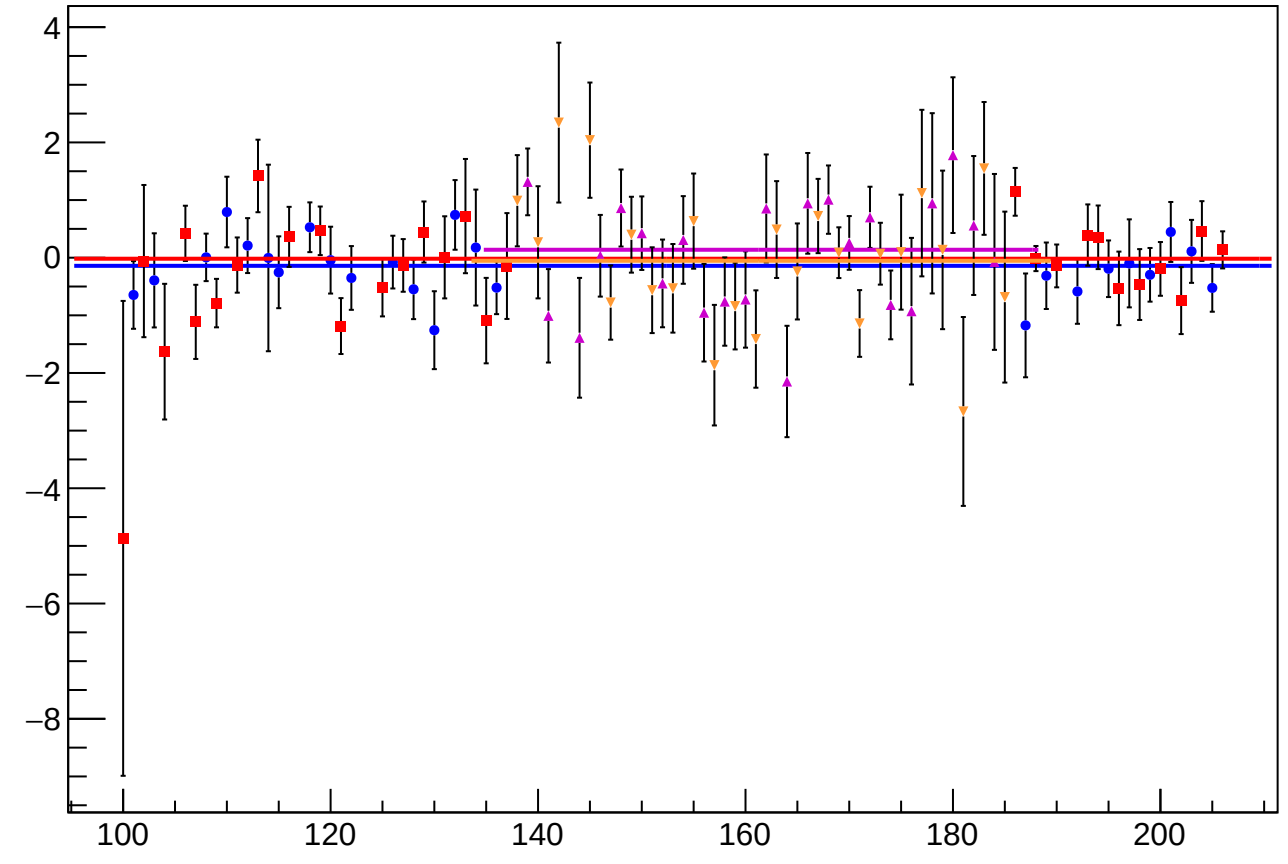
Right Out: 329.796+/-0.065 χ^2/NDF: 3590657.9/28

Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 475.332+/-0.064 χ^2/NDF: 8221002.7/48

All: 436.858+/-0.042 χ^2/NDF: 20880481.5/10

- sign 407.863+/-0.056 χ^2/NDF: 12034861.6/51



Right In: -0.141+/-0.111 χ^2/NDF: 17.2/24

Left Out: -0.053+/-0.161 χ^2/NDF:30.1/23

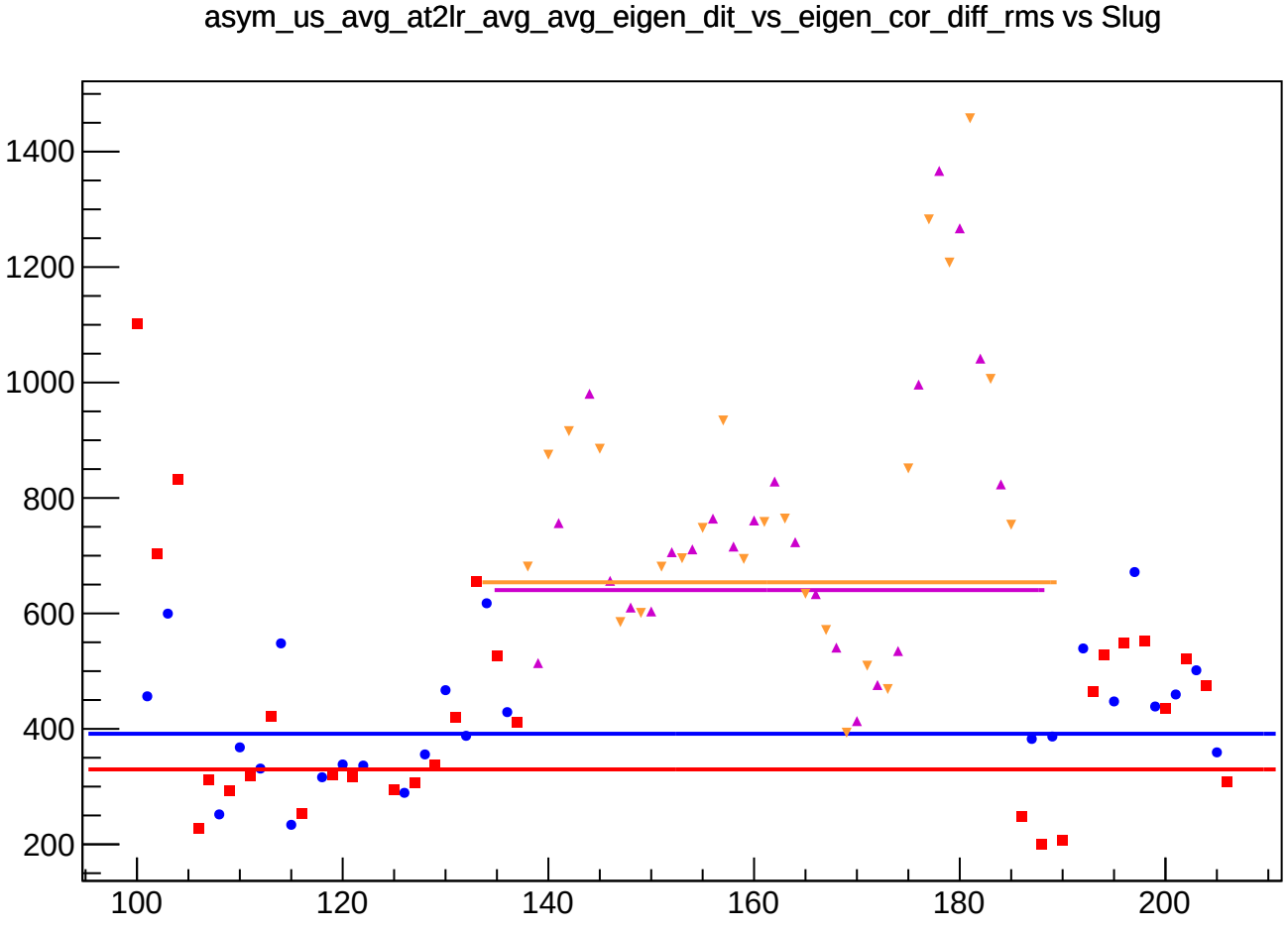
Right Out: -0.018+/-0.091 χ^2/NDF: 40.7/28

Left In: 0.138+/-0.158 χ^2/NDF:30.0/22

+ sign -0.113+/-0.091 χ^2/NDF: 47.6/48

All: -0.036+/-0.060 χ^2/NDF: 120.2/100

- sign 0.021+/-0.079 χ^2/NDF: 71.4/51



Right In: 391.533+/-0.078 χ^2/NDF: 1495085.9/24

Left Out: 653.930+/-0.114 χ^2/NDF:3124692.9/23

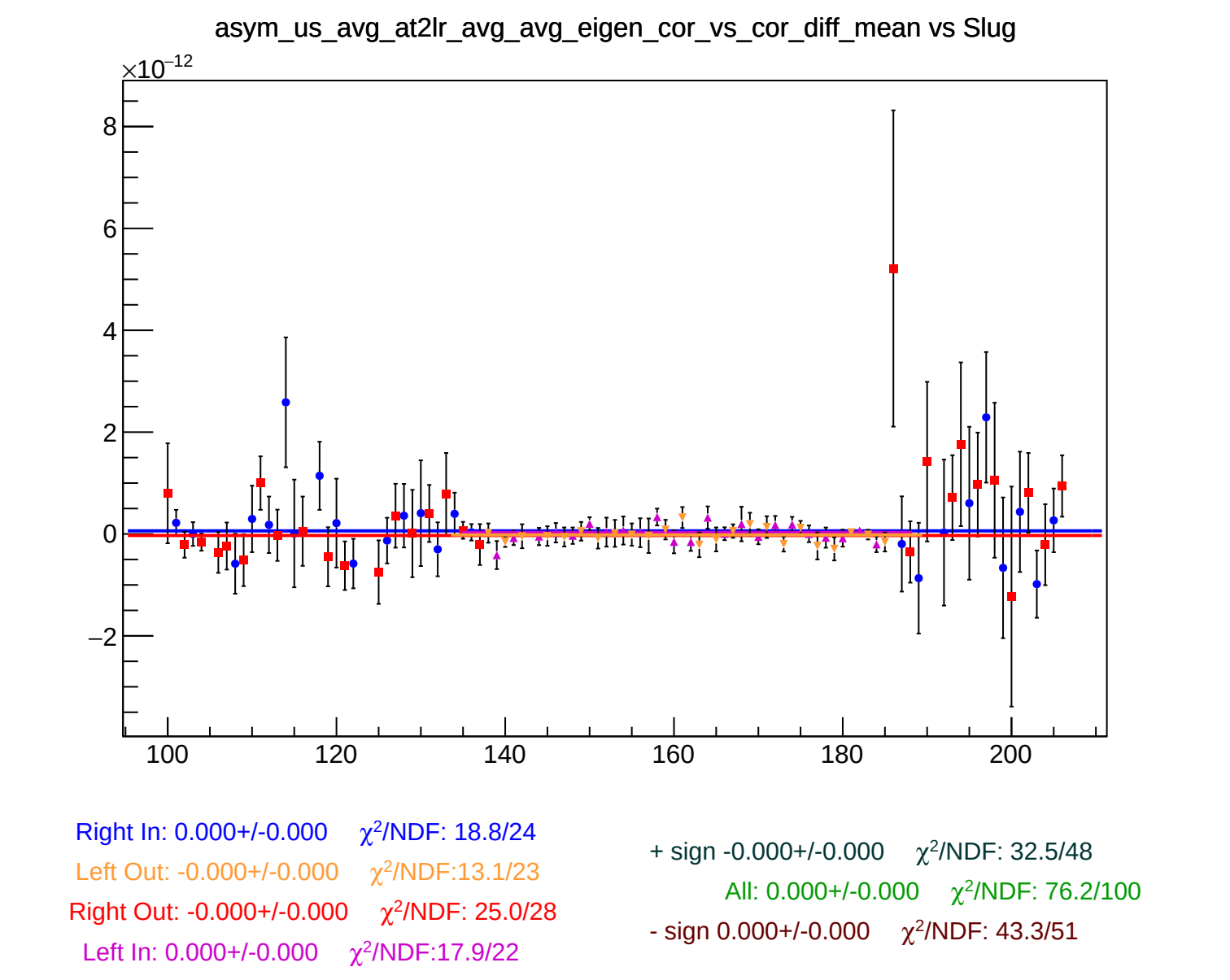
Right Out: 329.796+/-0.065 χ^2/NDF: 3590657.9/28

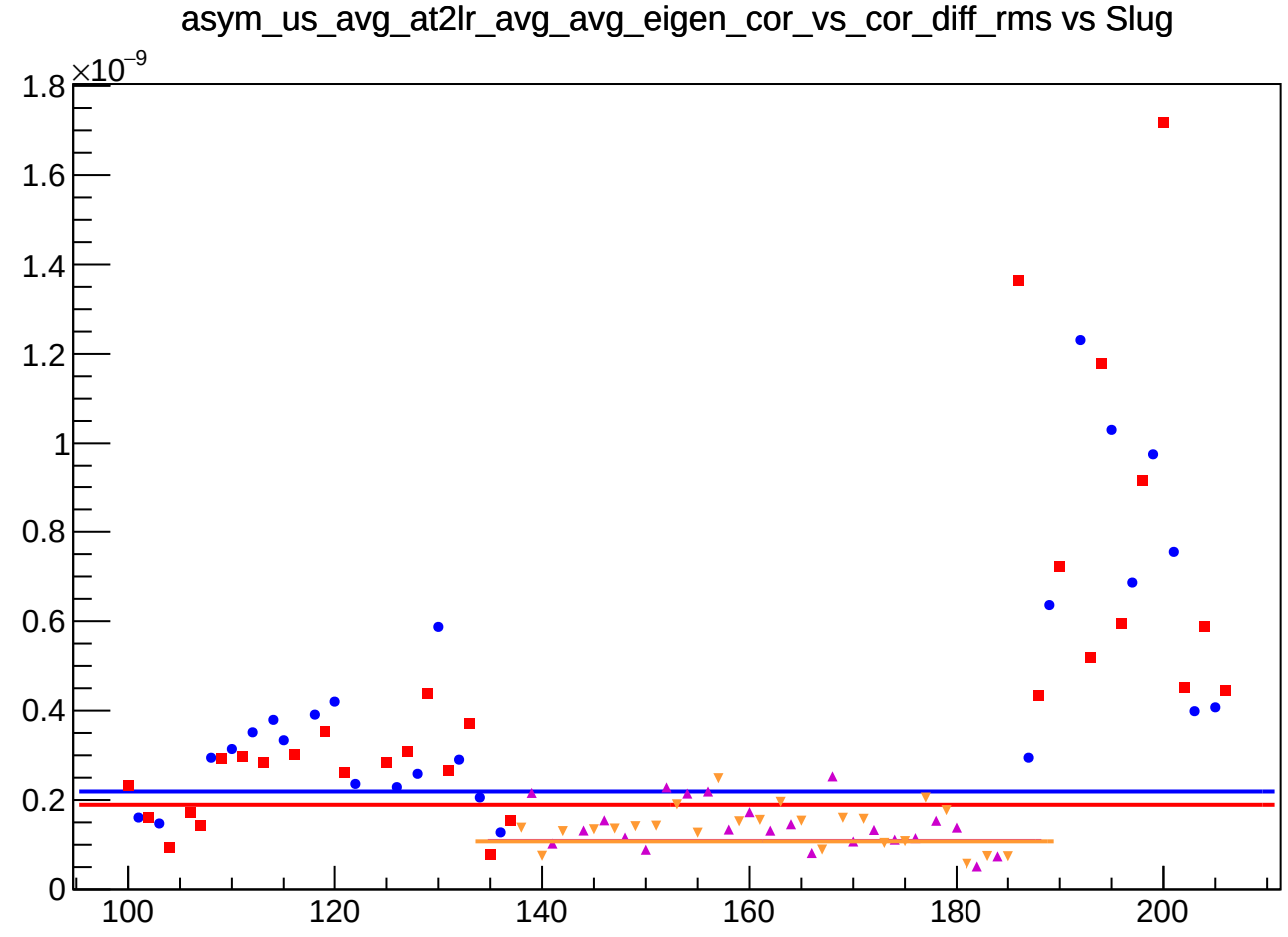
Left In: 640.395+/-0.112 χ^2/NDF:2648118.2/22

+ sign 475.332+/-0.064 χ^2/NDF: 8221002.7/48

All: 436.858+/-0.042 χ^2/NDF: 20880481.5/10

- sign 407.863+/-0.056 χ^2/NDF: 12034861.6/51


asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 18.8/24
Left Out: -0.000+/-0.000 χ²/NDF:13.1/23
Right Out: -0.000+/-0.000 χ²/NDF: 25.0/28
Left In: 0.000+/-0.000 χ²/NDF:17.9/22
+ sign -0.000+/-0.000 χ²/NDF: 32.5/48
All: 0.000+/-0.000 χ²/NDF: 76.2/100
- sign 0.000+/-0.000 χ²/NDF: 43.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 5210464.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3452023.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7295369.7/28

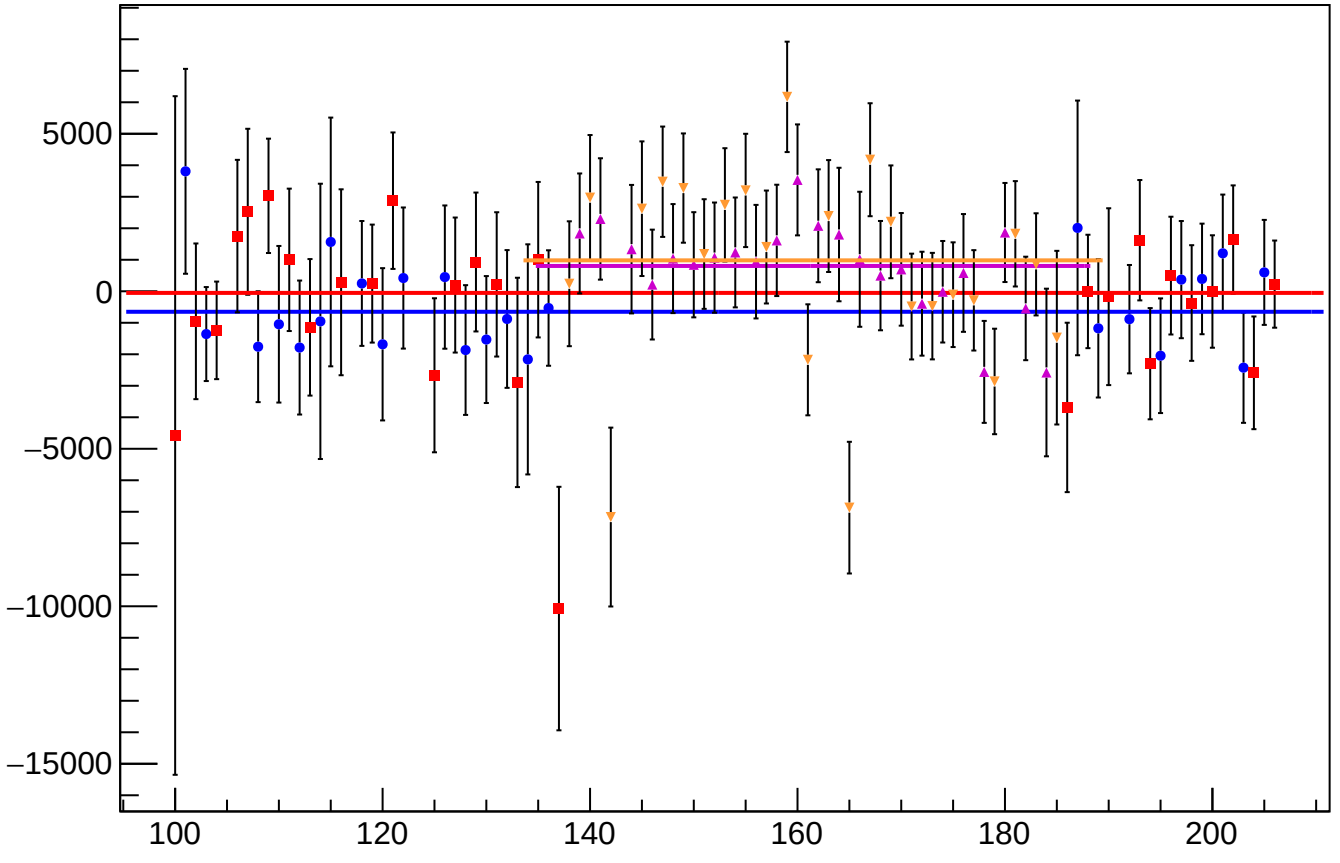
Left In: 0.000+/-0.000 χ^2/NDF:3869719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11246585.8/48

All: 0.000+/-0.000 χ^2/NDF: 24092530.4/100

- sign 0.000+/-0.000 χ^2/NDF: 12845767.9/51

reg_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -650.918+/-417.241 χ^2/NDF: 9.0/24

Left Out: 981.627+/-370.843 χ^2/NDF:55.5/23

Right Out: -51.664+/-390.130 χ^2/NDF: 24.0/28

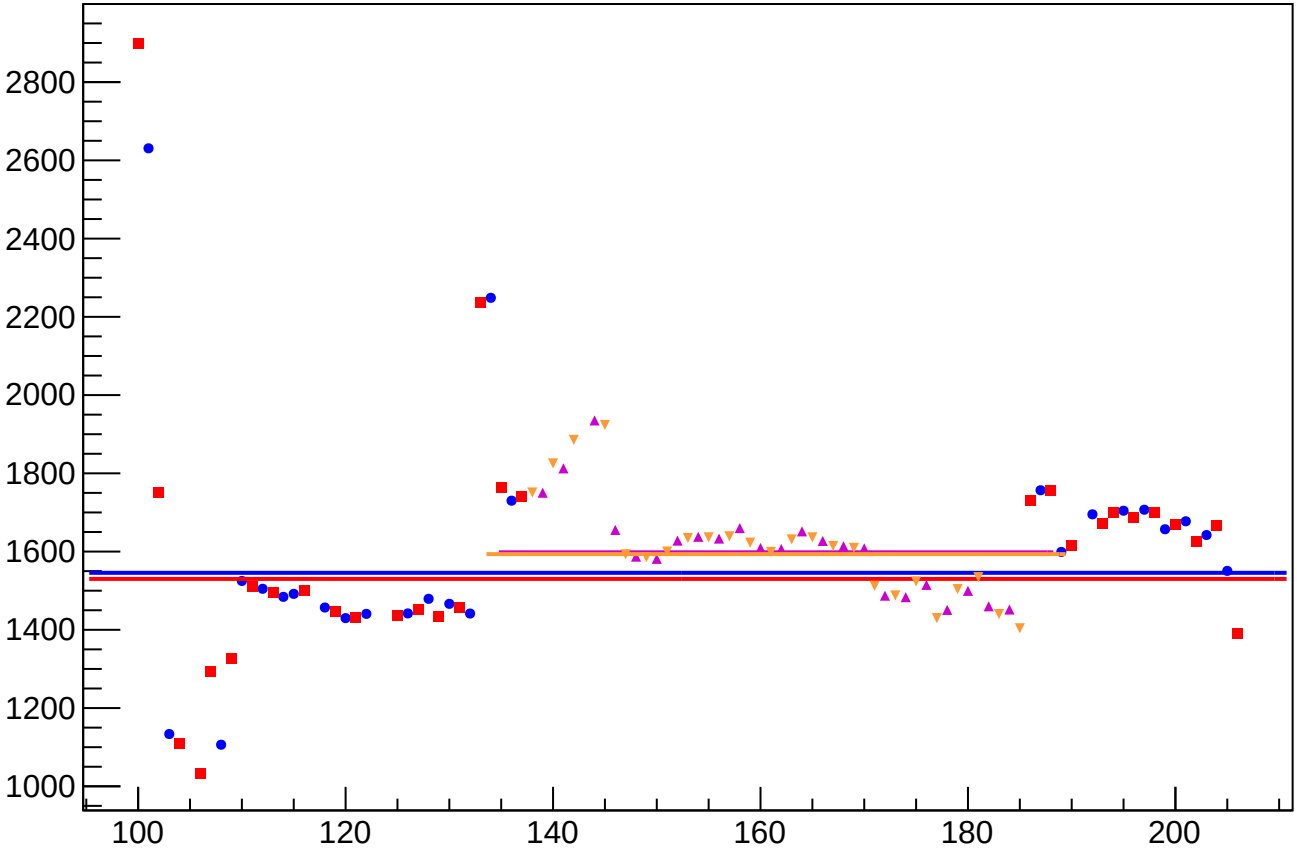
Left In: 803.908+/-374.066 χ^2/NDF:12.4/22

+ sign 261.137+/-277.184 χ^2/NDF: 73.1/48

All: 329.362+/-193.411 χ^2/NDF: 112.2/100

- sign 394.100+/-270.005 χ^2/NDF: 38.9/51

reg_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1545.714+/-0.295 χ^2/NDF: 698844.7/24

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

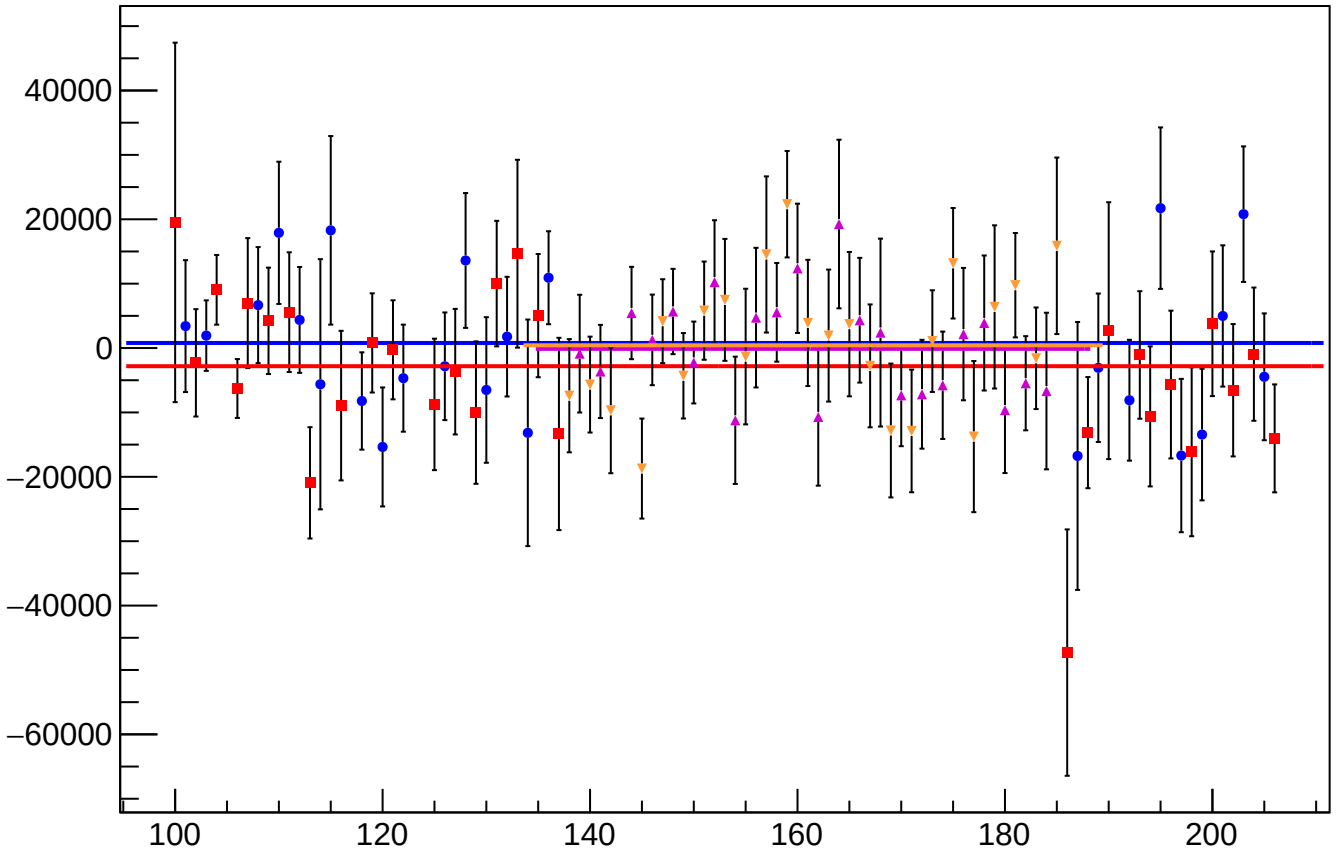
Right Out: 1530.145+/-0.275 χ^2/NDF: 636236.8/28

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1572.401+/-0.196 χ^2/NDF: 901103.2/48

All: 1568.819+/-0.137 χ^2/NDF: 1738904.5/10

- sign 1565.432+/-0.191 χ^2/NDF: 837151.6/51



Right In: 789.549+/-1938.140 χ^2/NDF: 26.9/24

Left Out: 426.701+/-1819.878 χ^2/NDF:29.4/23

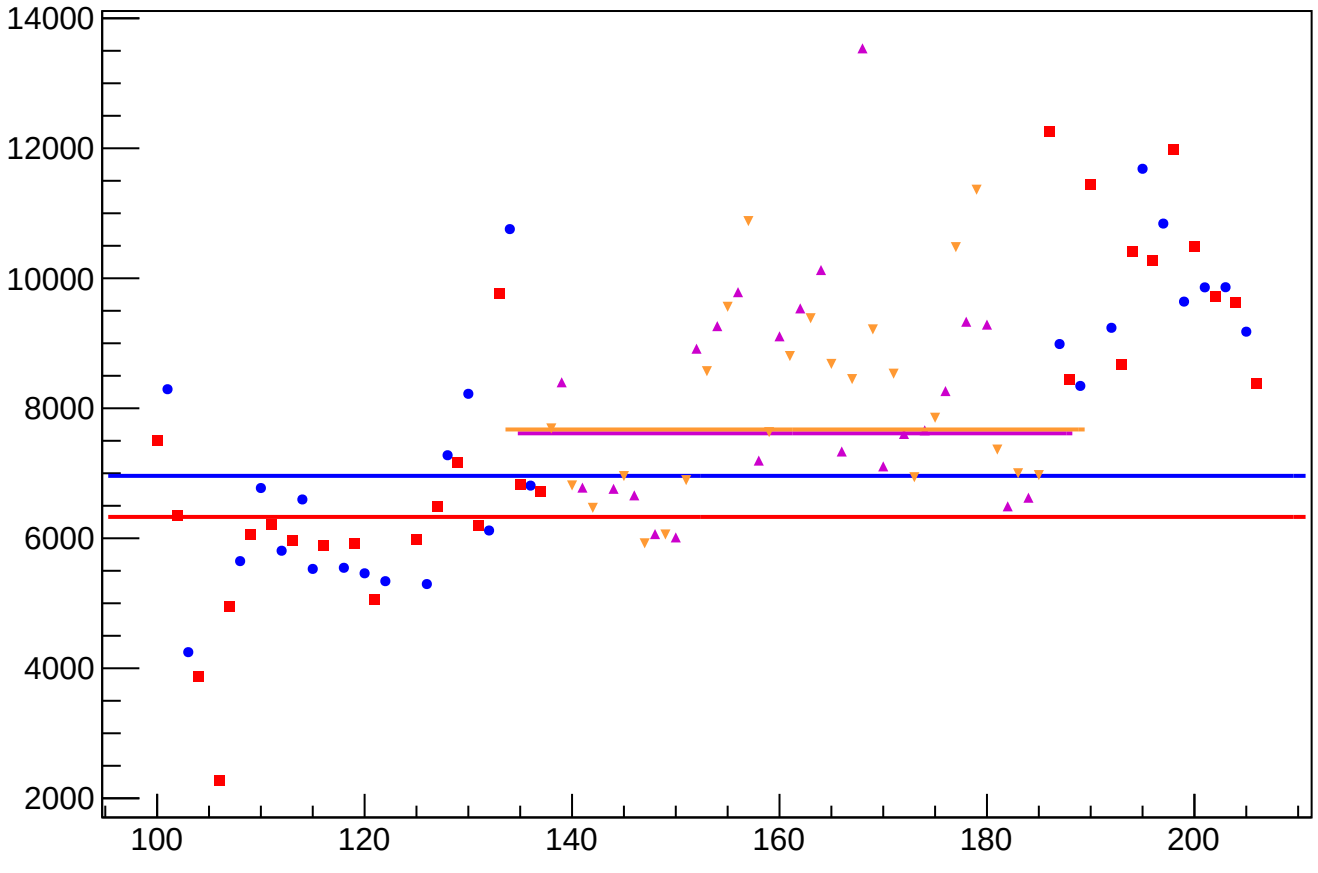
Right Out: -2818.122+/-1717.974 χ^2/NDF: 29.5/28

Left In: -126.369+/-1814.830 χ^2/NDF:13.9/22

+ sign 596.718+/-1326.688 χ^2/NDF: 56.3/48

All: -540.378+/-908.871 χ^2/NDF: 102.2/100

- sign -1545.988+/-1247.627 χ^2/NDF: 44.5/51



Right In: 6960.413+/-1.370 χ^2/NDF: 2234033.9/24

Left Out: 7674.060+/-1.287 χ^2/NDF:1076713.7/23

Right Out: 6328.701+/-1.215 χ^2/NDF: 4488883.6/28

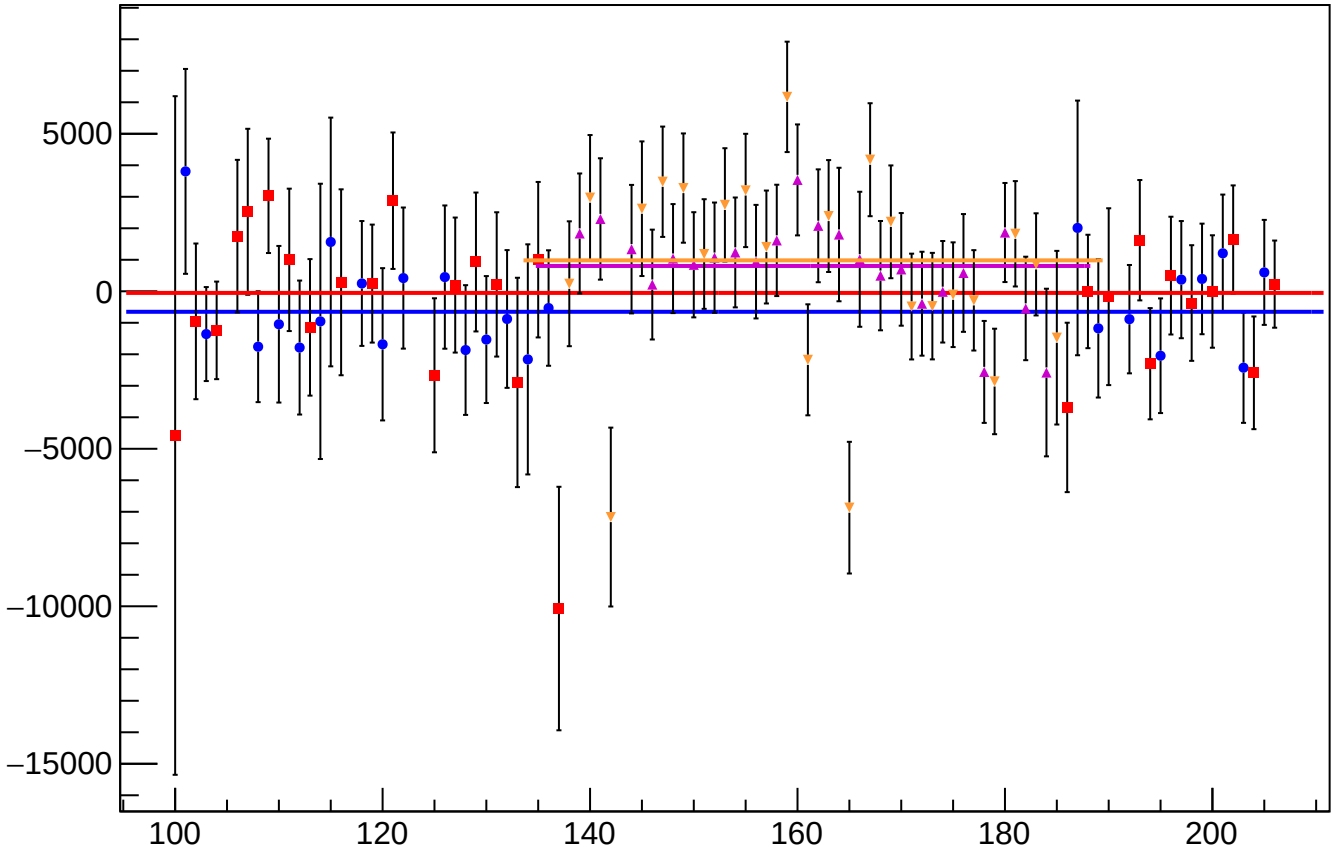
Left In: 7614.974+/-1.283 χ^2/NDF:1224520.2/22

+ sign 7339.672+/-0.938 χ^2/NDF: 3454852.5/48

All: 7125.769+/-0.643 χ^2/NDF: 9796086.1/10

- sign 6936.599+/-0.882 χ^2/NDF: 6243263.1/51

cor_asym_us_avg_at2lr_avg_dd_mean vs Slug



Right In: -650.961+/-417.241 χ^2/NDF: 9.0/24

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -51.712+/-390.130 χ^2/NDF: 24.0/28

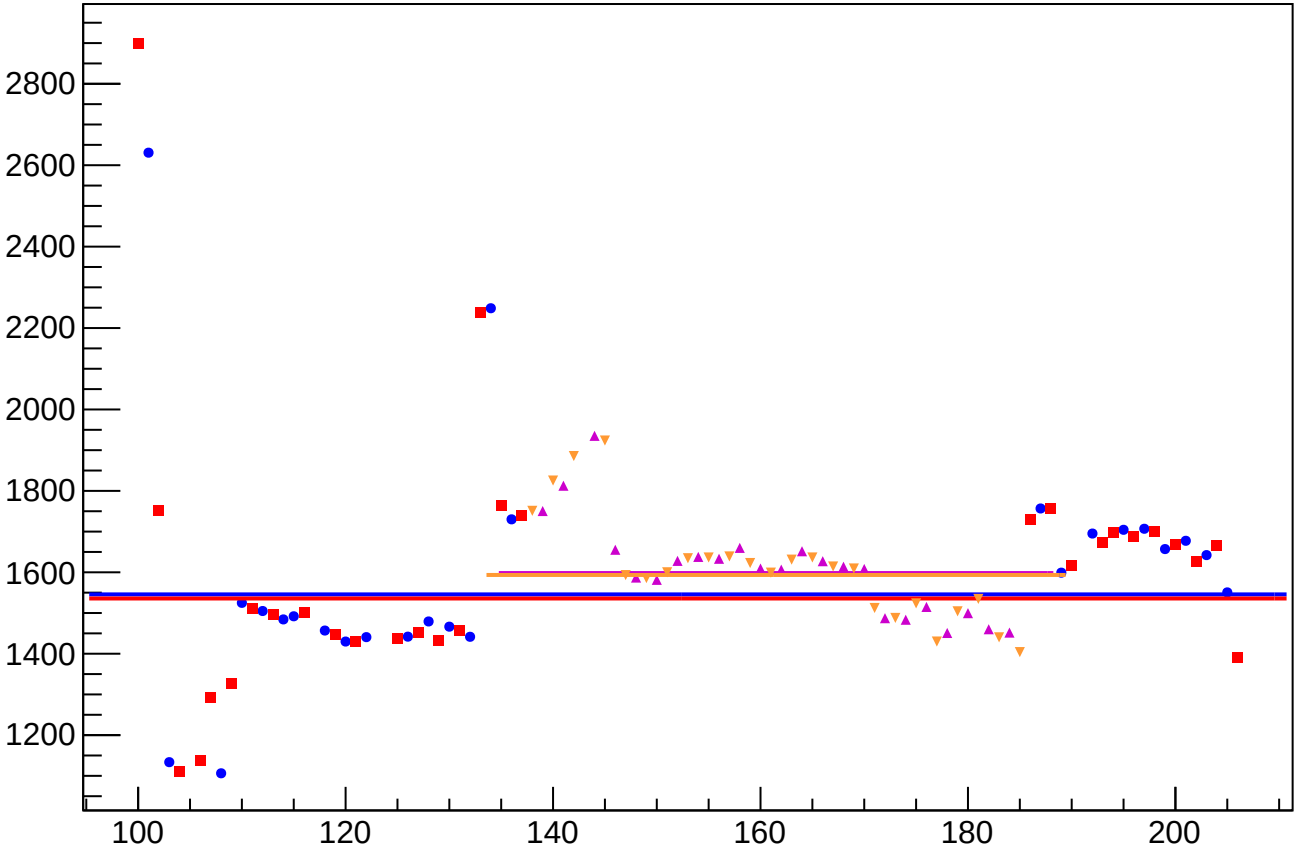
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

\+ sign 261.165+/-277.184 χ^2/NDF: 73.1/48

All: 329.331+/-193.411 χ^2/NDF: 112.2/100

\- sign 394.011+/-270.005 χ^2/NDF: 38.9/51

cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1545.714+/-0.295 χ^2/NDF: 698845.1/24

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

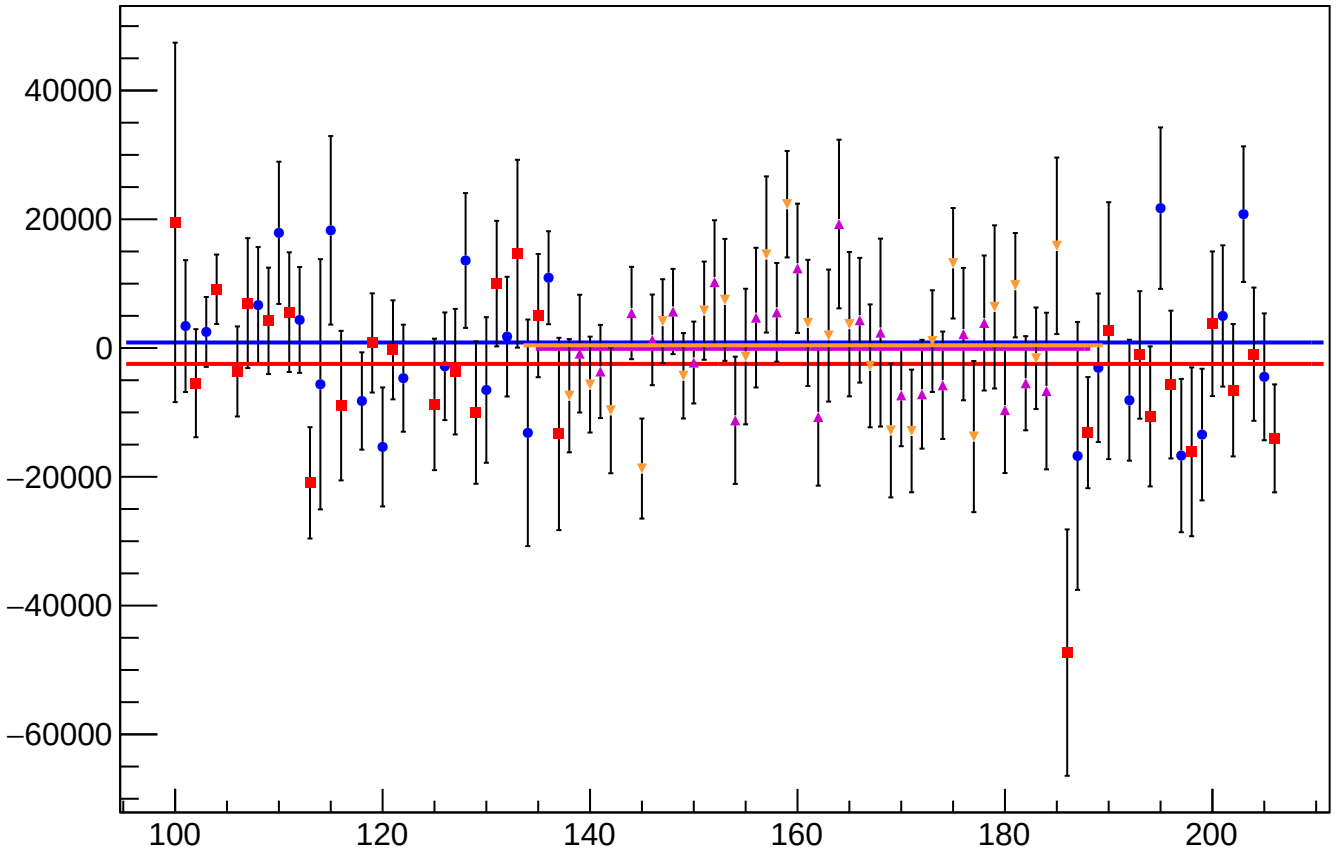
Right Out: 1535.668+/-0.276 χ^2/NDF: 584563.2/28

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1572.401+/-0.196 χ^2/NDF: 901103.7/48

All: 1570.228+/-0.137 χ^2/NDF: 1681797.4/10

- sign 1568.169+/-0.191 χ^2/NDF: 780454.5/51



Right In: 865.211+/-1935.787 χ^2/NDF: 27.0/24

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

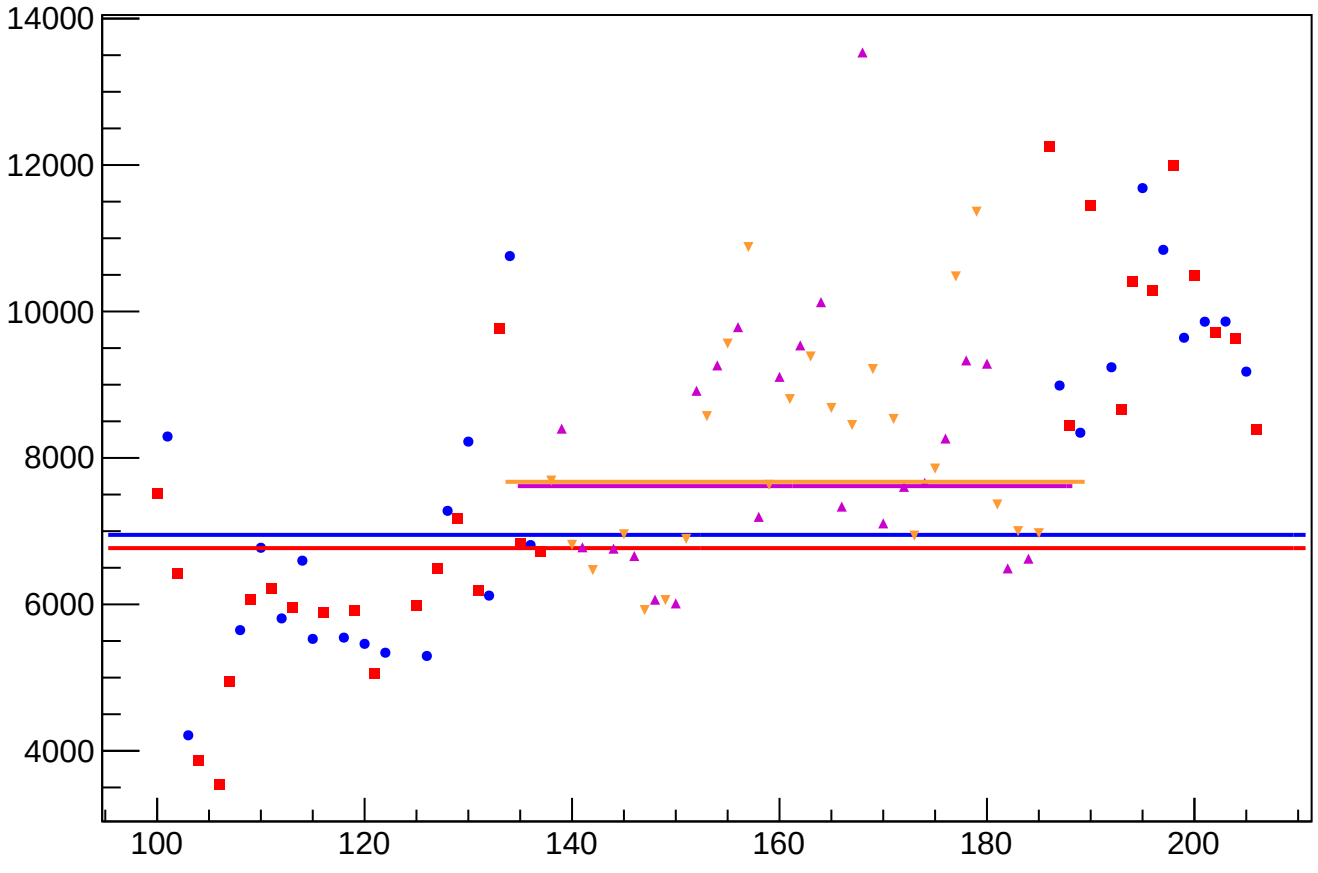
Right Out: -2465.446+/-1791.809 χ^2/NDF: 29.0/28

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 632.436+/-1325.932 χ^2/NDF: 56.4/48

All: -377.195+/-919.062 χ^2/NDF: 101.3/100

- sign -1310.839+/-1275.061 χ^2/NDF: 43.7/51



Right In: 6949.275+/-1.369 χ^2/NDF: 2256699.7/24

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

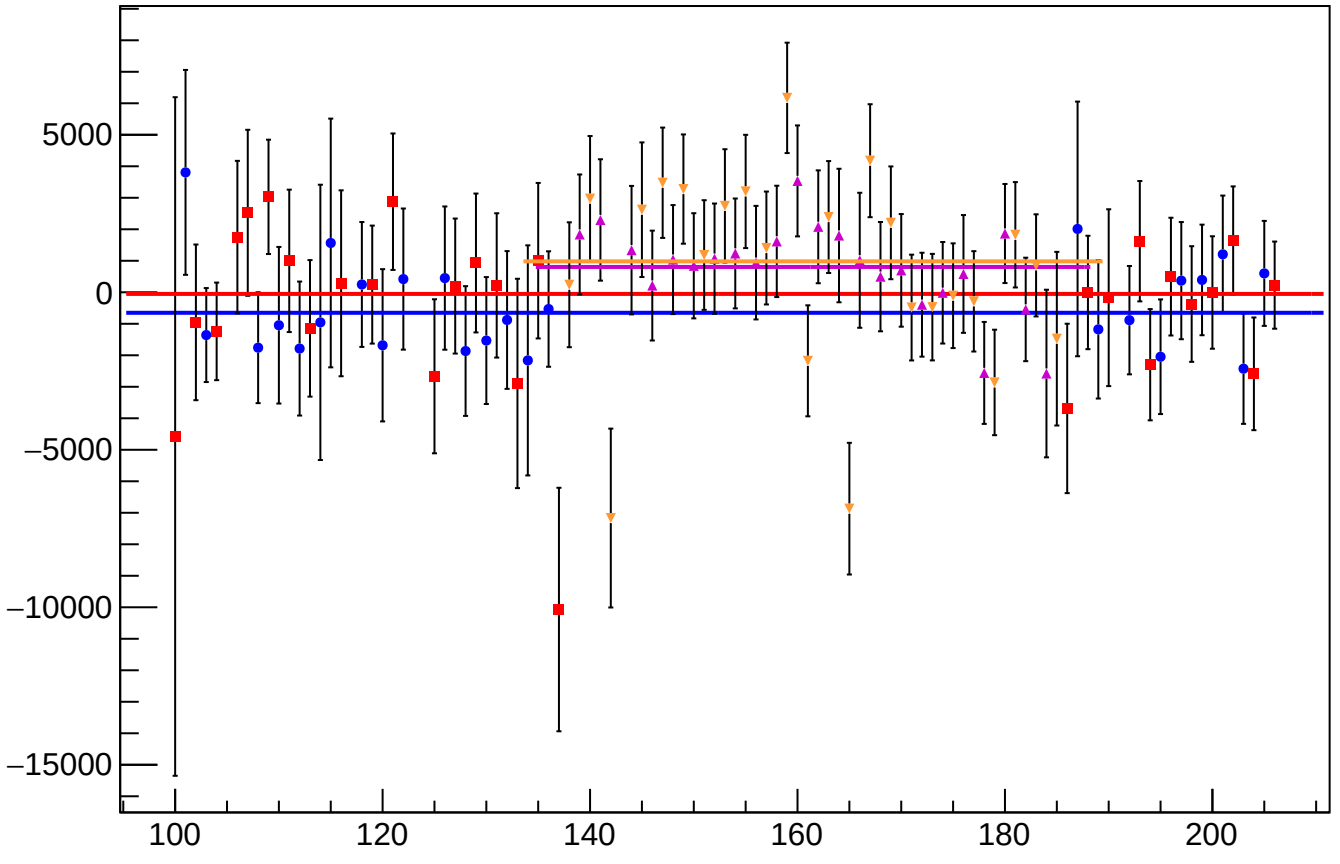
Right Out: 6768.456+/-1.267 χ^2/NDF: 3118432.5/28

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7334.016+/-0.938 χ^2/NDF: 3482243.4/48

All: 7257.274+/-0.650 χ^2/NDF: 8058440.2/10

- sign 7186.307+/-0.902 χ^2/NDF: 4563301.6/51



Right In: -650.961+/-417.241 χ^2/NDF: 9.0/24

Left Out: 981.712+/-370.843 χ^2/NDF:55.6/23

Right Out: -51.712+/-390.130 χ^2/NDF: 24.0/28

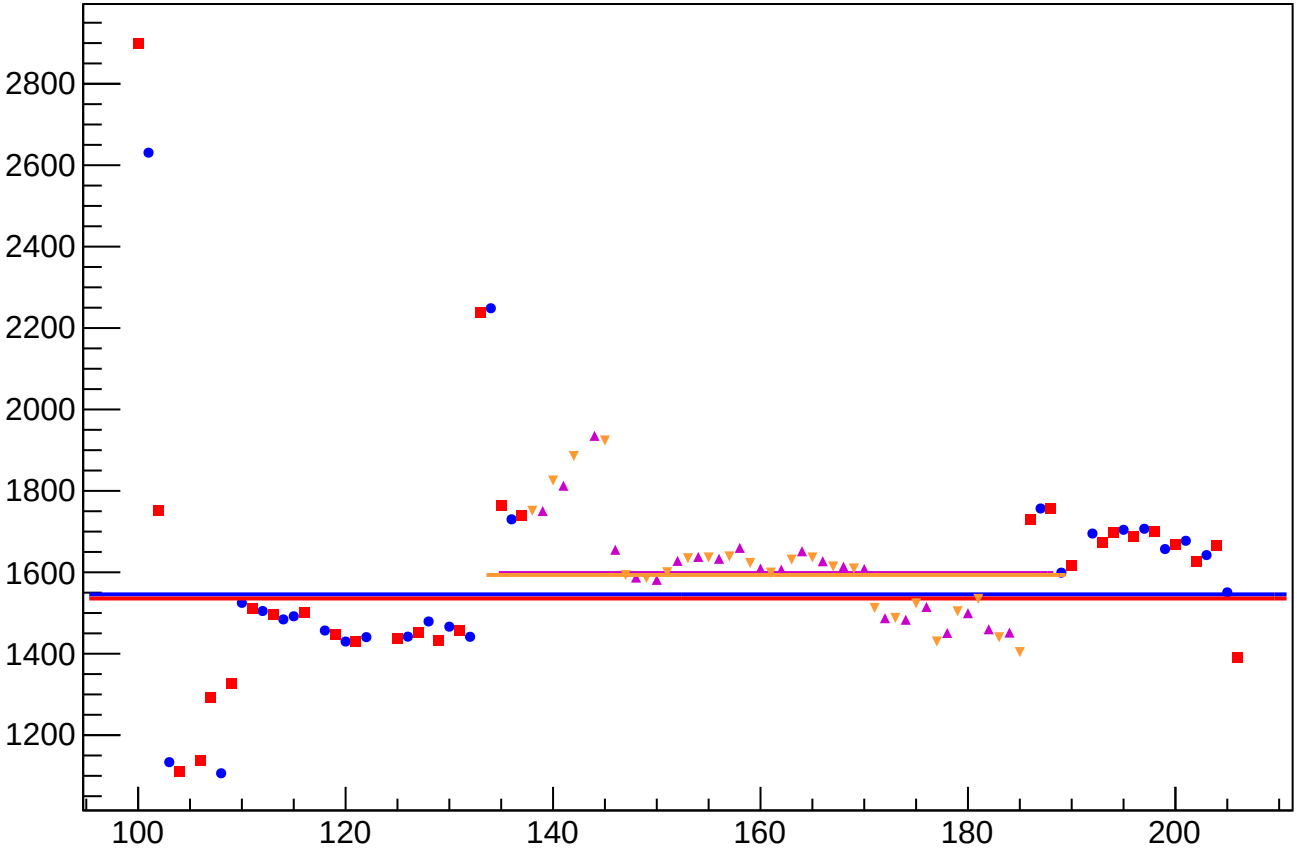
Left In: 803.783+/-374.066 χ^2/NDF:12.4/22

+ sign 261.165+/-277.184 χ^2/NDF: 73.1/48

All: 329.331+/-193.411 χ^2/NDF: 112.2/100

- sign 394.011+/-270.005 χ^2/NDF: 38.9/51

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1545.714+/-0.295 χ^2/NDF: 698845.1/24

Left Out: 1593.482+/-0.262 χ^2/NDF:187613.7/23

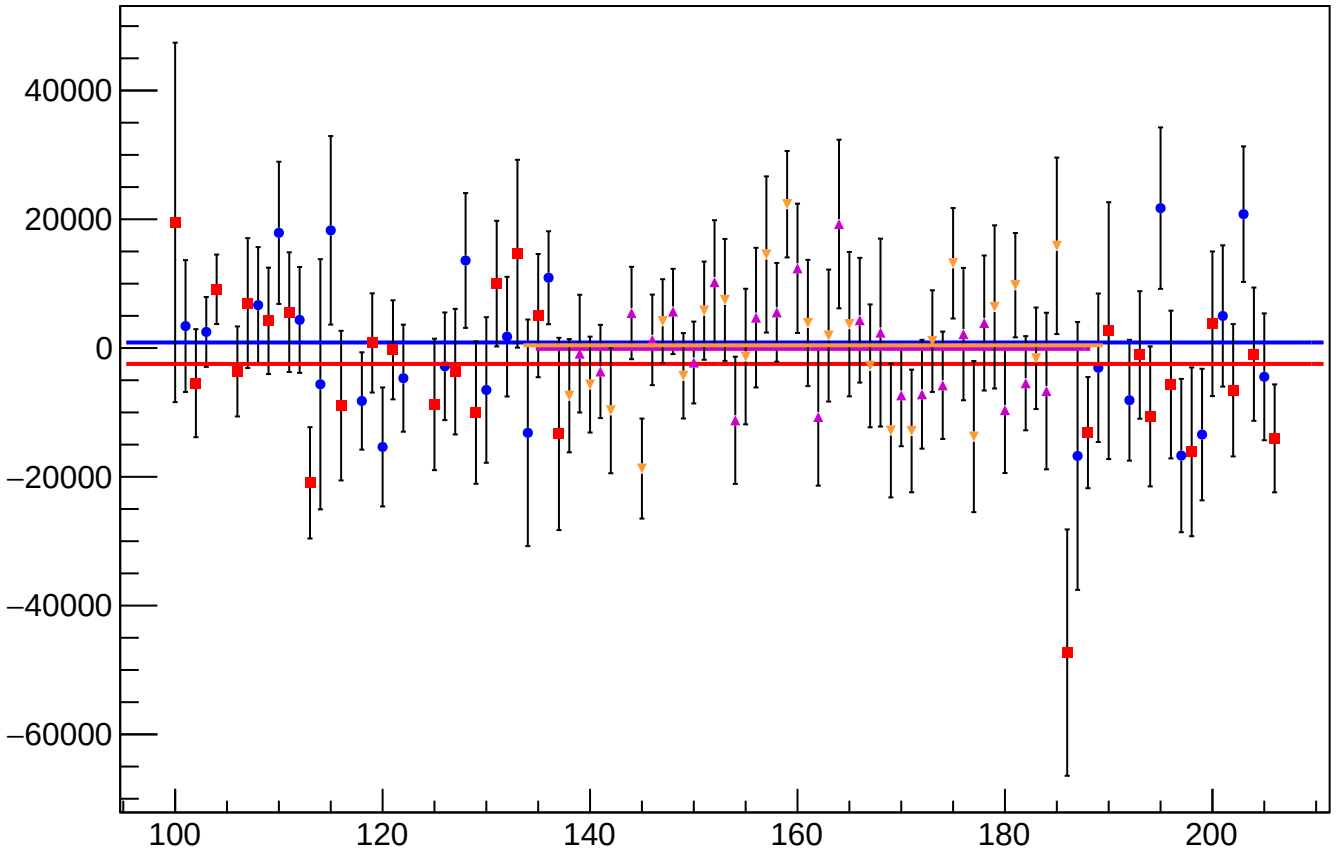
Right Out: 1535.668+/-0.276 χ^2/NDF: 584563.2/28

Left In: 1598.119+/-0.265 χ^2/NDF:169157.7/22

+ sign 1572.401+/-0.196 χ^2/NDF: 901103.7/48

All: 1570.228+/-0.137 χ^2/NDF: 1681797.4/10

- sign 1568.169+/-0.191 χ^2/NDF: 780454.5/51



Right In: 865.211+/-1935.787 χ^2/NDF: 27.0/24

Left Out: 426.702+/-1819.879 χ^2/NDF:29.4/23

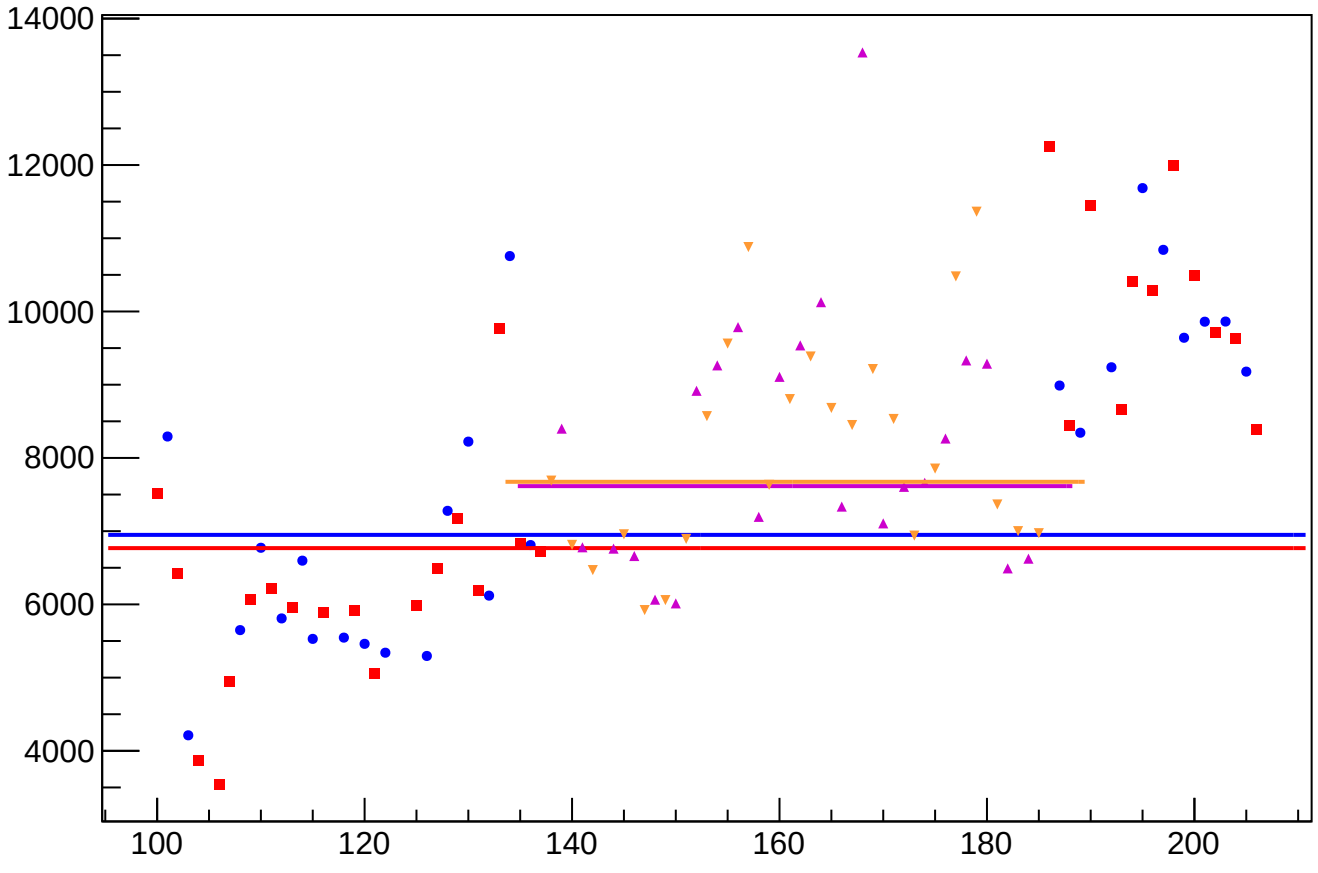
Right Out: -2465.446+/-1791.809 χ^2/NDF: 29.0/28

Left In: -126.376+/-1814.828 χ^2/NDF:13.9/22

+ sign 632.436+/-1325.932 χ^2/NDF: 56.4/48

All: -377.195+/-919.062 χ^2/NDF: 101.3/100

- sign -1310.839+/-1275.061 χ^2/NDF: 43.7/51



Right In: 6949.275+/-1.369 χ^2/NDF: 2256699.7/24

Left Out: 7674.063+/-1.287 χ^2/NDF:1076712.6/23

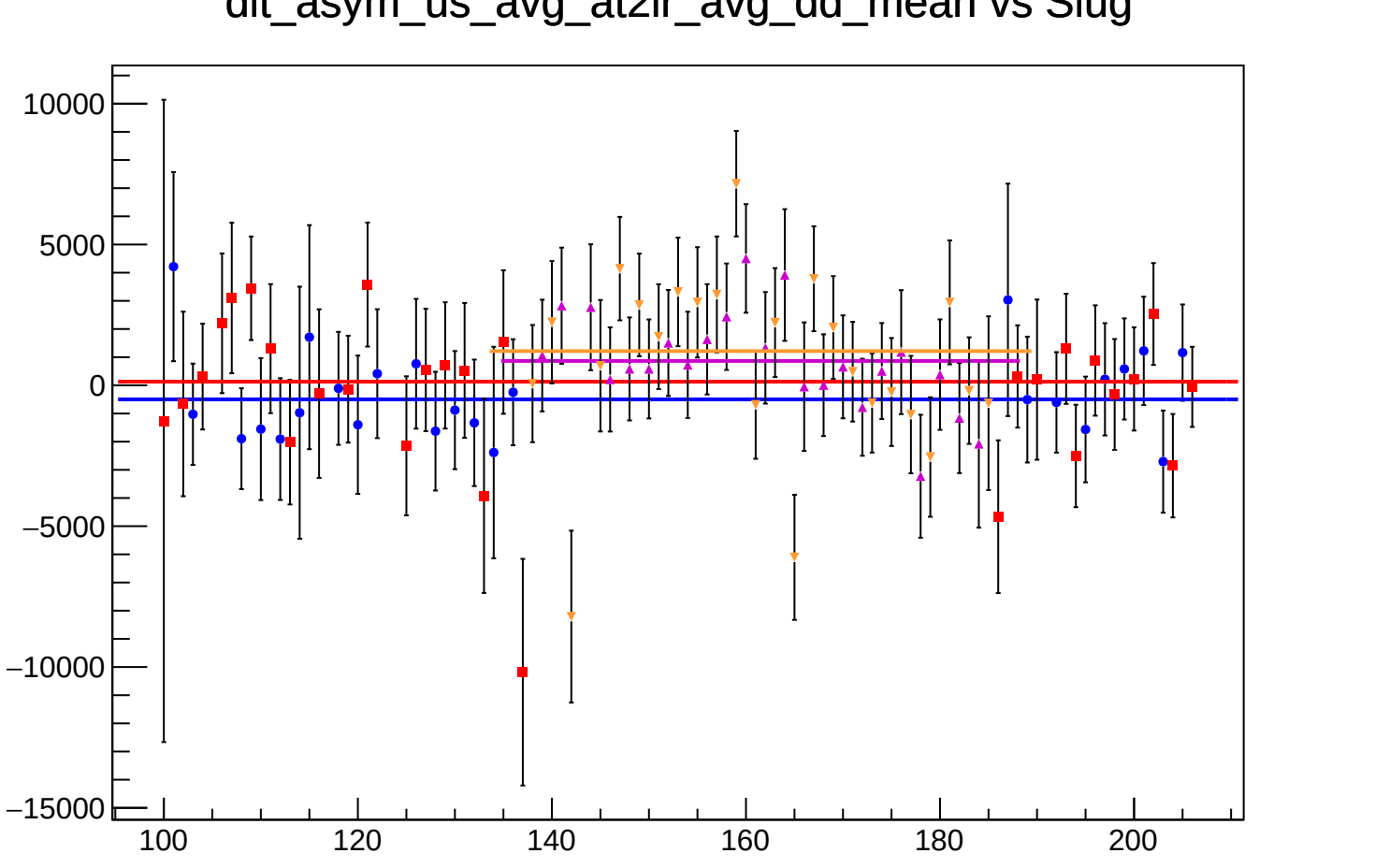
Right Out: 6768.456+/-1.267 χ^2/NDF: 3118432.5/28

Left In: 7614.964+/-1.283 χ^2/NDF:1224525.6/22

+ sign 7334.016+/-0.938 χ^2/NDF: 3482243.4/48

All: 7257.274+/-0.650 χ^2/NDF: 8058440.2/10

- sign 7186.307+/-0.902 χ^2/NDF: 4563301.6/51



Right In: -497.750+/-433.207 χ^2/NDF: 9.7/24

Left Out: 1215.353+/-409.584 χ^2/NDF:48.5/23

Right Out: 130.129+/-406.054 χ^2/NDF: 28.4/28

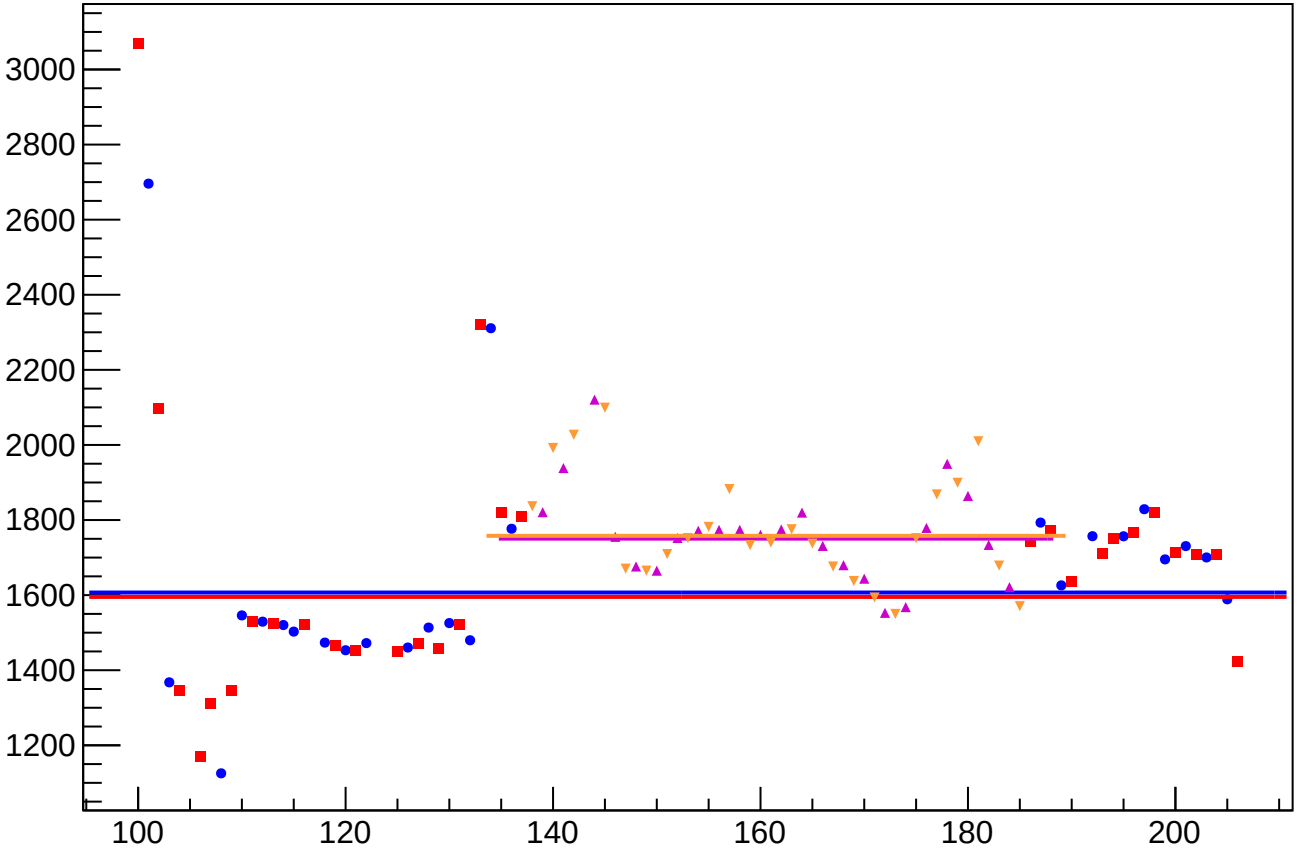
Left In: 866.022+/-410.038 χ^2/NDF:15.1/22

\+ sign 406.781+/-297.621 χ^2/NDF: 66.4/48

All: 451.993+/-207.158 χ^2/NDF: 111.7/100

\- sign 494.483+/-288.522 χ^2/NDF: 45.2/51

dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1606.895+/-0.306 χ^2/NDF: 602518.8/24

Left Out: 1757.965+/-0.290 χ^2/NDF:213284.1/23

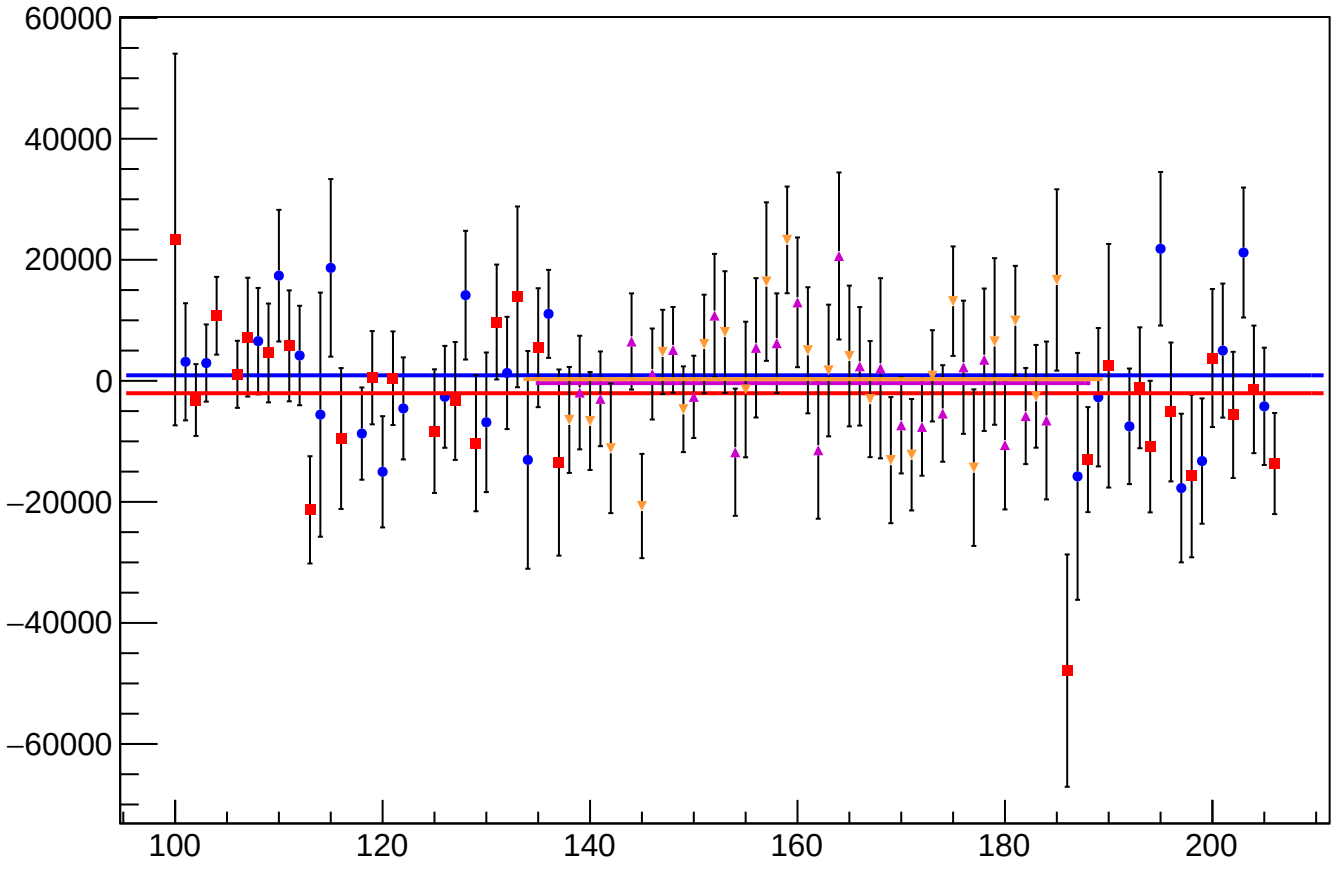
Right Out: 1595.239+/-0.287 χ^2/NDF: 531161.5/28

Left In: 1750.477+/-0.290 χ^2/NDF:171889.4/22

+ sign 1686.661+/-0.210 χ^2/NDF: 944223.5/48

All: 1679.148+/-0.146 χ^2/NDF: 1794499.6/10

- sign 1672.089+/-0.204 χ^2/NDF: 847804.2/51



Right In: 913.535+/-1974.665 χ^2/NDF: 26.8/24

Left Out: 284.925+/-1920.134 χ^2/NDF:28.7/23

Right Out: -2045.889+/-1752.088 χ^2/NDF: 28.8/28

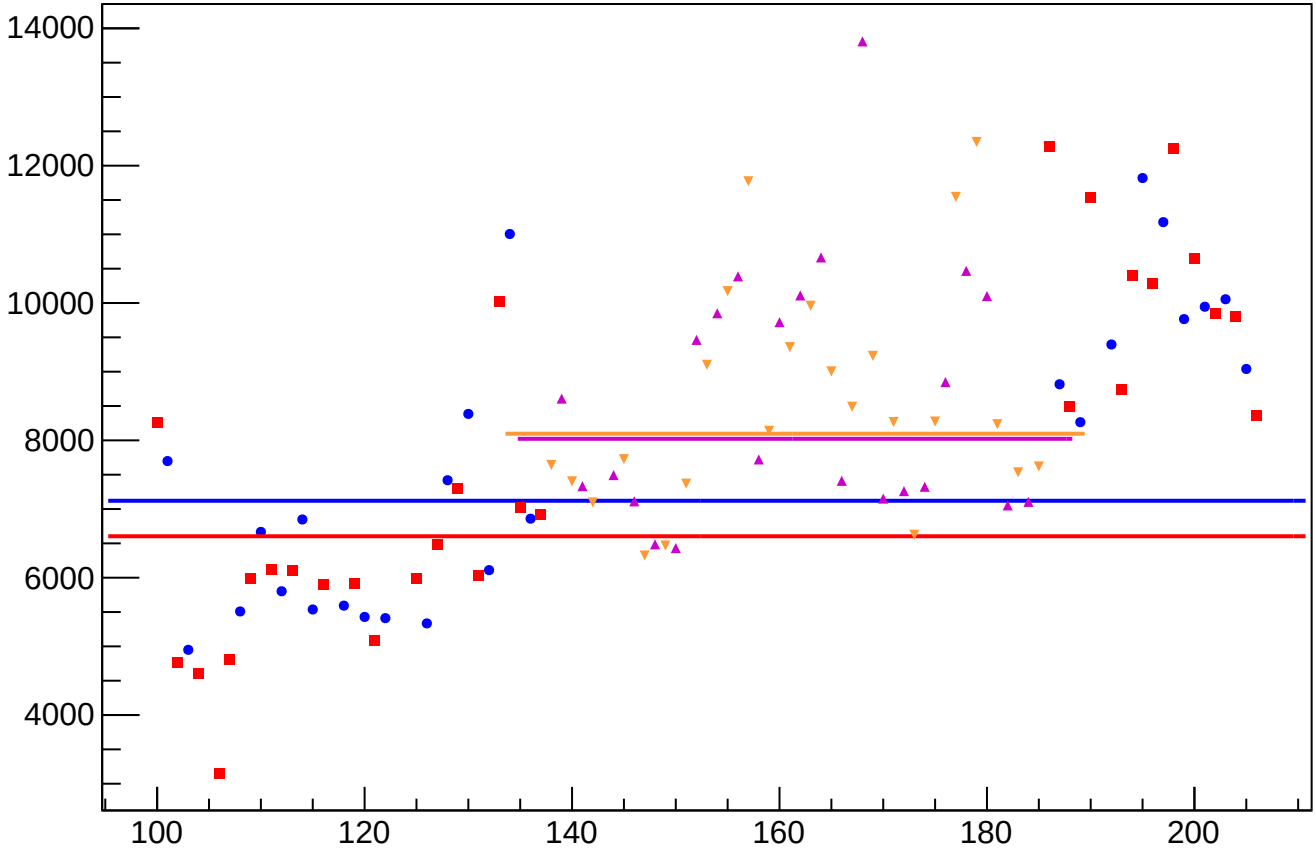
Left In: -382.660+/-1912.385 χ^2/NDF:13.6/22

+ sign 590.431+/-1376.615 χ^2/NDF: 55.5/48

All: -407.788+/-942.026 χ^2/NDF: 99.3/100

- sign -1286.891+/-1291.872 χ^2/NDF: 42.8/51

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs Slug



Right In: 7120.322+/-1.396 χ^2/NDF: 1979085.6/24

Left Out: 8096.821+/-1.358 χ^2/NDF:1087790.8/23

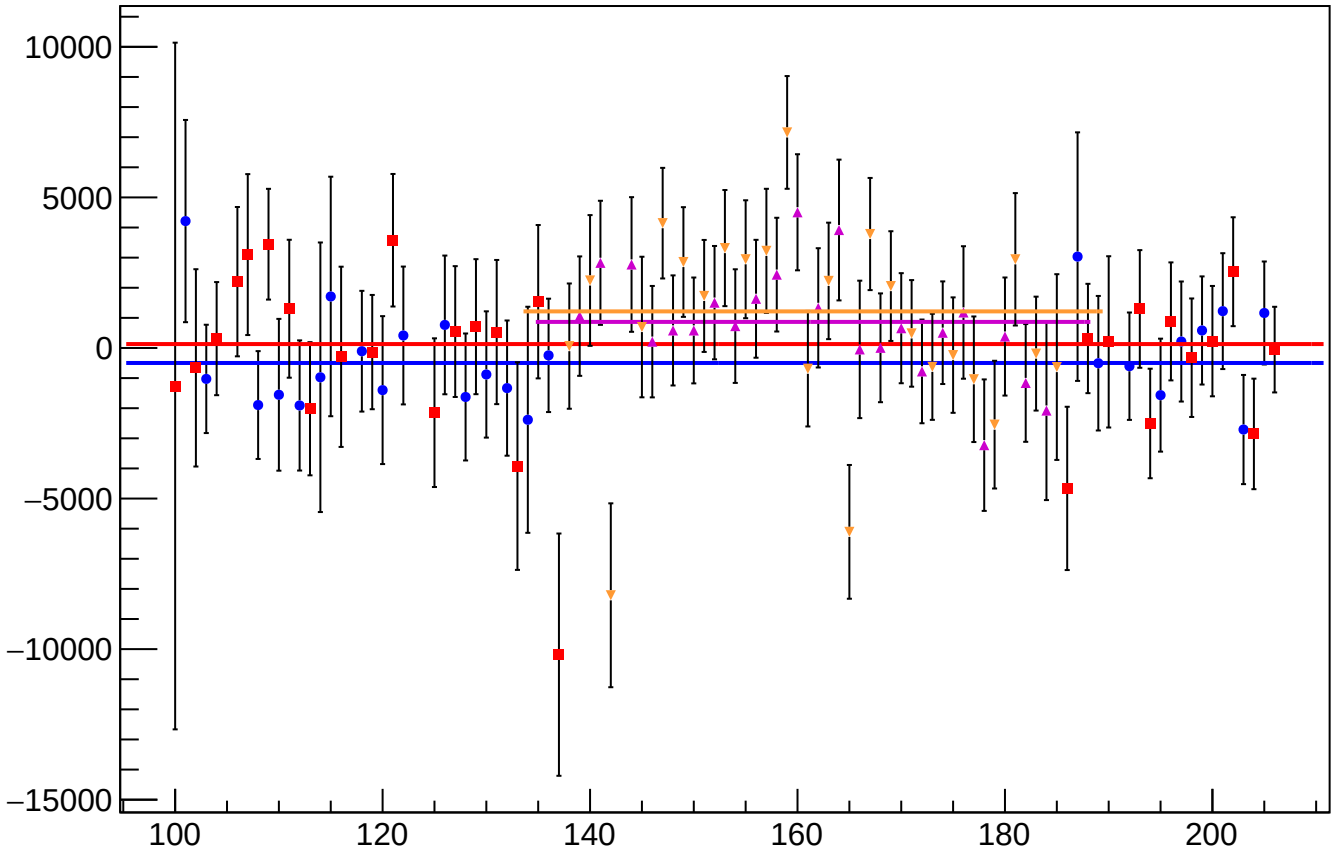
Right Out: 6603.454+/-1.239 χ^2/NDF: 3492969.8/28

Left In: 8022.726+/-1.352 χ^2/NDF:1225549.2/22

+ sign 7622.240+/-0.973 χ^2/NDF: 3318266.7/48

All: 7424.909+/-0.666 χ^2/NDF: 8712951.5/10

- sign 7251.124+/-0.913 χ^2/NDF: 5317396.9/51



Right In: -497.748+/-433.207 χ^2/NDF: 9.7/24

Left Out: 1215.361+/-409.585 χ^2/NDF:48.5/23

Right Out: 130.131+/-406.054 χ^2/NDF: 28.4/28

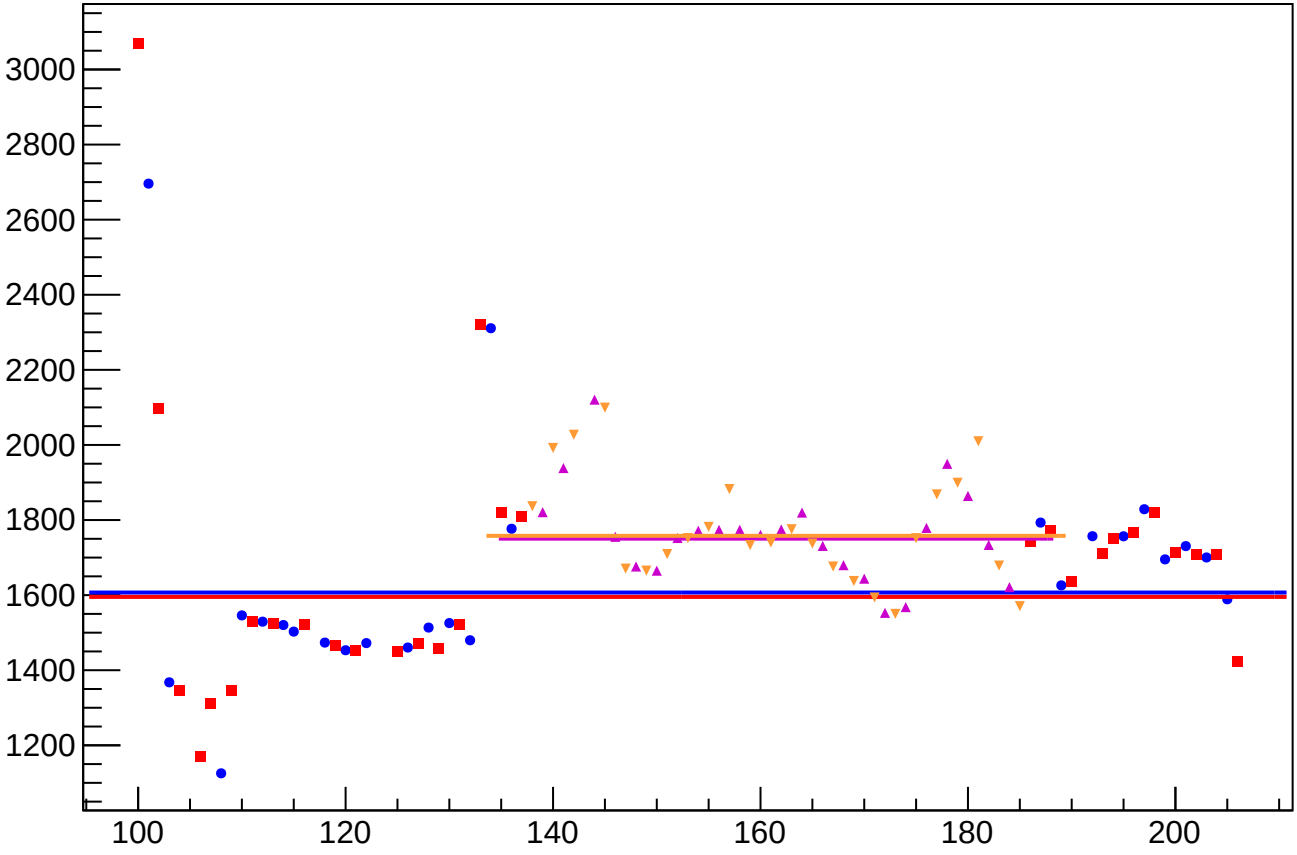
Left In: 866.021+/-410.039 χ^2/NDF:15.1/22

\+ sign 406.785+/-297.621 χ^2/NDF: 66.4/48

All: 451.995+/-207.158 χ^2/NDF: 111.7/100

\- sign 494.483+/-288.522 χ^2/NDF: 45.2/51

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 1606.895+/-0.306 χ^2/NDF: 602519.1/24

Left Out: 1757.968+/-0.290 χ^2/NDF:213292.2/23

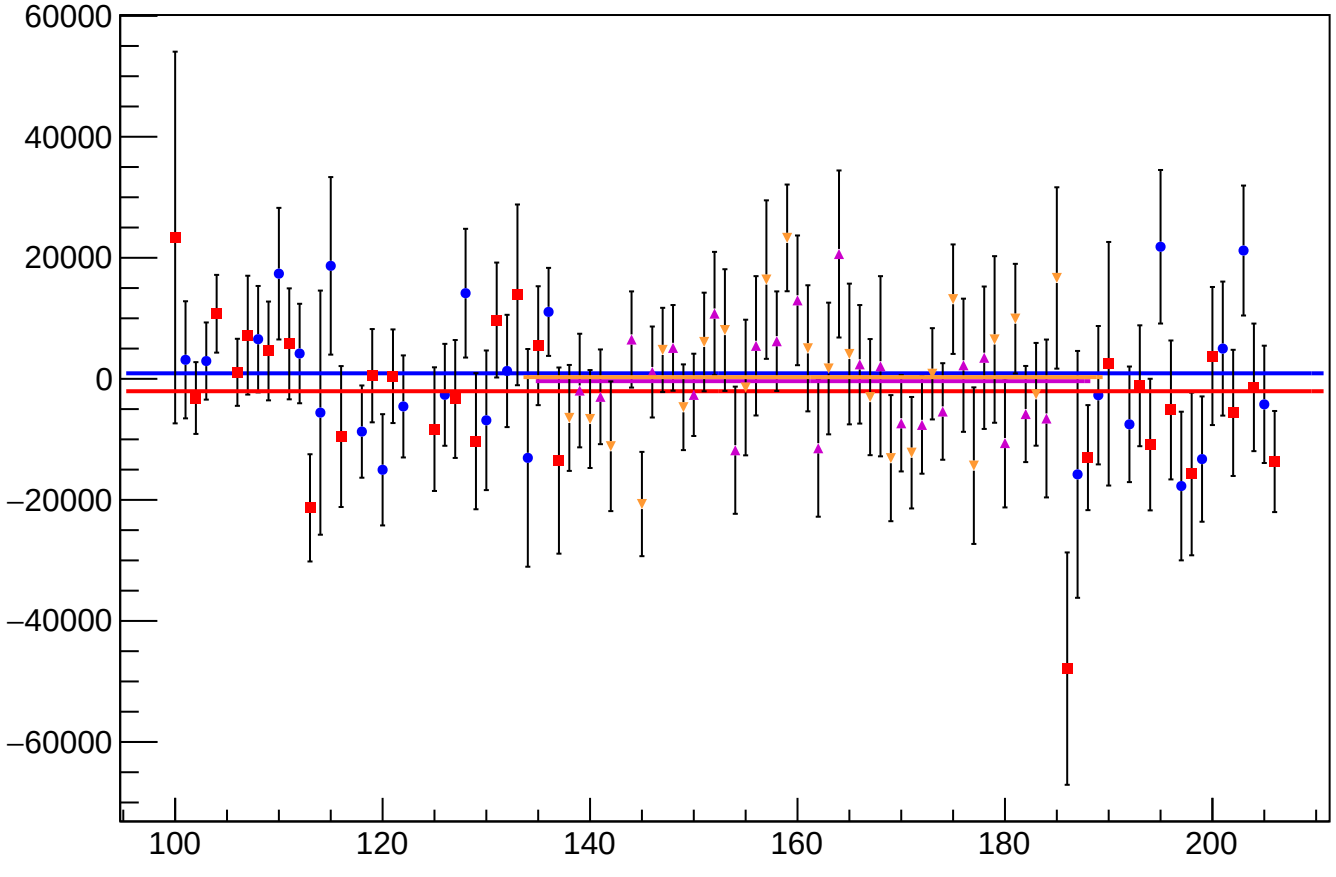
Right Out: 1595.240+/-0.287 χ^2/NDF: 531163.1/28

Left In: 1750.480+/-0.290 χ^2/NDF:171897.3/22

+ sign 1686.662+/-0.210 χ^2/NDF: 944236.6/48

All: 1679.150+/-0.146 χ^2/NDF: 1794526.6/10

- sign 1672.090+/-0.204 χ^2/NDF: 847818.3/51



Right In: 913.522+/-1974.663 χ^2/NDF: 26.8/24

Left Out: 284.927+/-1920.138 χ^2/NDF:28.7/23

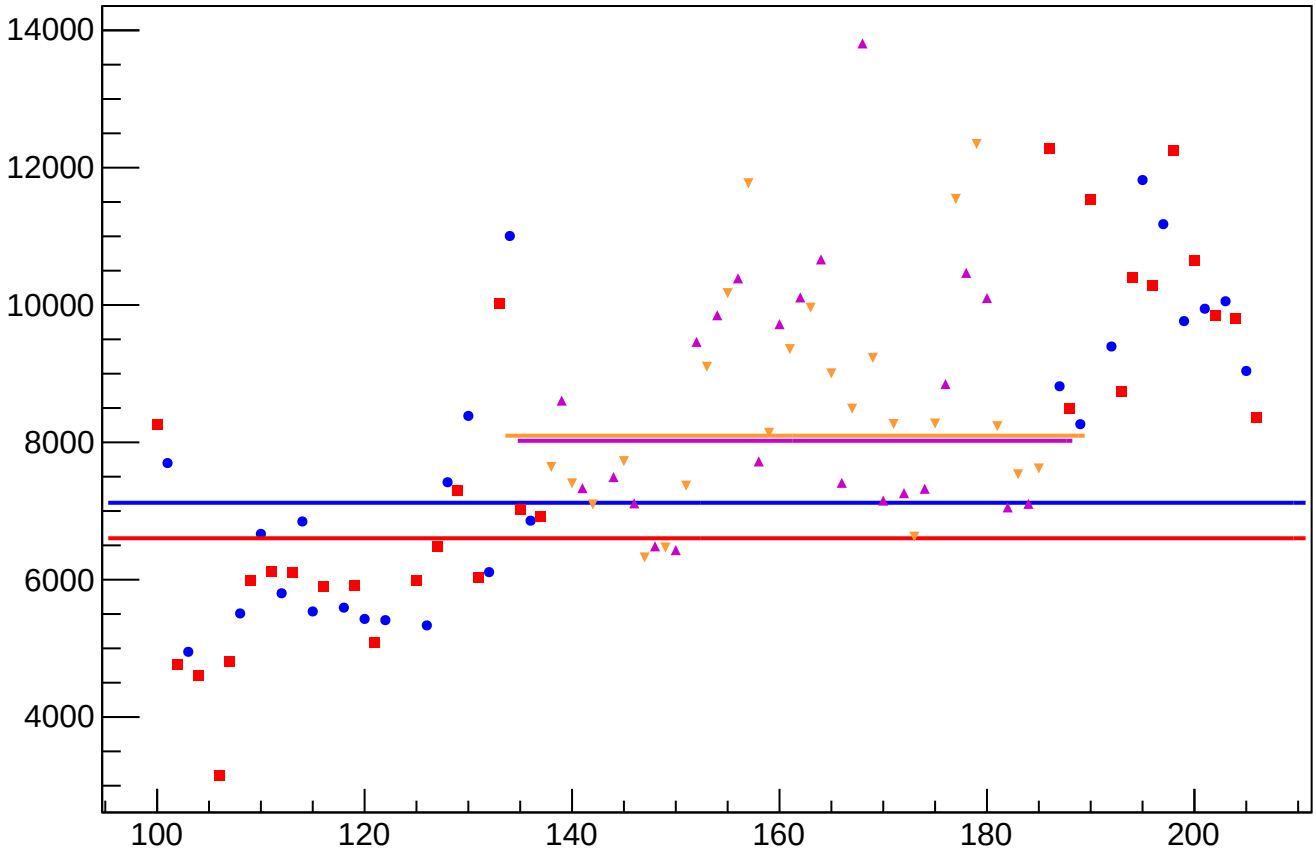
Right Out: -2045.876+/-1752.086 χ^2/NDF: 28.8/28

Left In: -382.663+/-1912.388 χ^2/NDF:13.6/22

+ sign 590.426+/-1376.615 χ^2/NDF: 55.5/48

All: -407.788+/-942.026 χ^2/NDF: 99.3/100

- sign -1286.888+/-1291.872 χ^2/NDF: 42.8/51



Right In: 7120.311+/-1.396 χ^2/NDF: 1979109.4/24

Left Out: 8096.833+/-1.358 χ^2/NDF:1087793.4/23

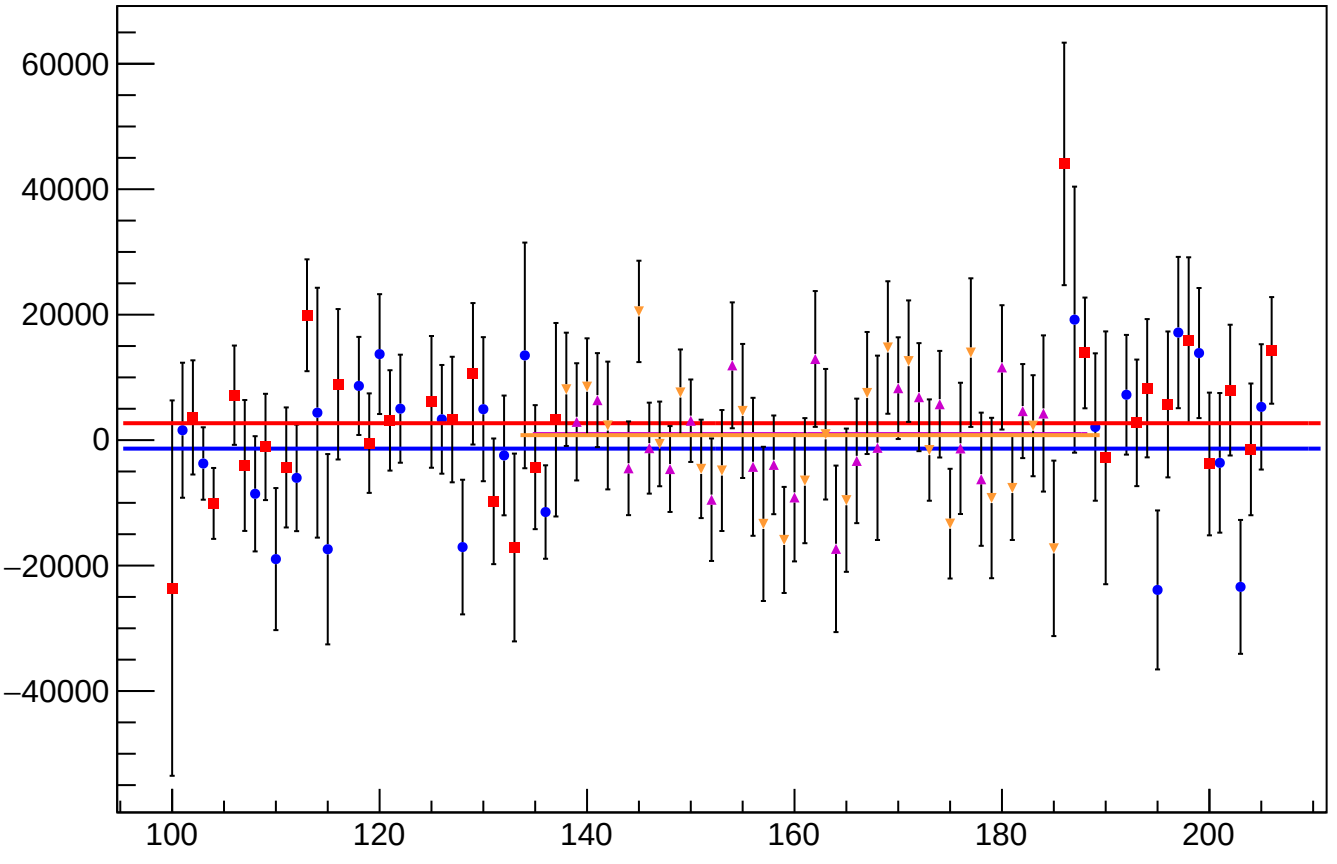
Right Out: 6603.444+/-1.239 χ^2/NDF: 3492994.6/28

Left In: 8022.738+/-1.352 χ^2/NDF:1225553.6/22

+ sign 7622.240+/-0.973 χ^2/NDF: 3318304.8/48

All: 7424.908+/-0.666 χ^2/NDF: 8713037.3/10

- sign 7251.122+/-0.913 χ^2/NDF: 5317443.8/51



Right In: -1355.662+/-1995.409 χ^2/NDF: 29.0/24

Left Out: 791.264+/-1865.111 χ^2/NDF:27.2/23

Right Out: 2696.332+/-1856.176 χ^2/NDF: 26.1/28

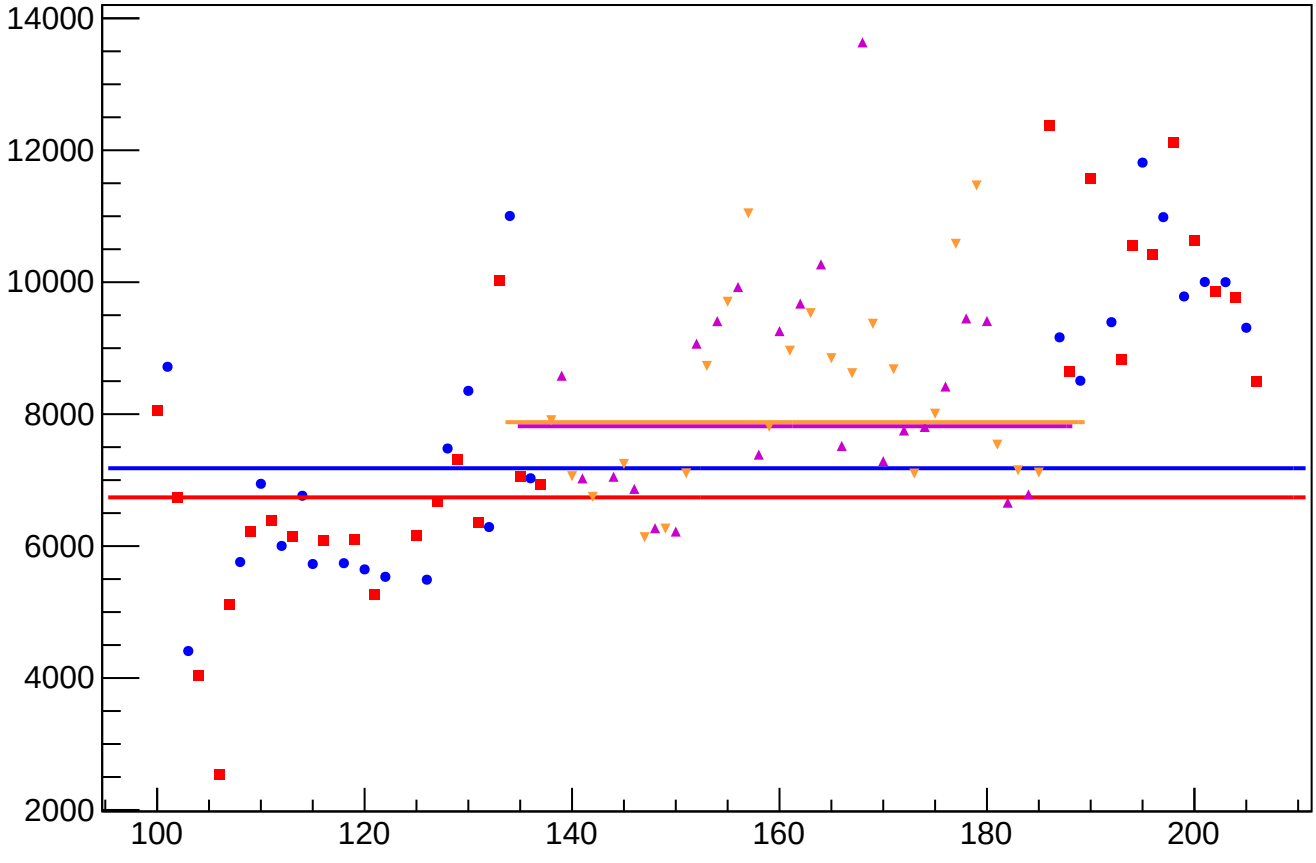
Left In: 963.967+/-1859.926 χ^2/NDF:12.8/22

+ sign -209.820+/-1362.569 χ^2/NDF: 56.8/48

All: 848.202+/-945.783 χ^2/NDF: 97.3/100

- sign 1831.898+/-1313.838 χ^2/NDF: 39.3/51

asym_us_avg_at2lr_avg_dd_rms vs Slug



Right In: 7180.156+/-1.411 χ^2/NDF: 2109394.5/24

Left Out: 7878.482+/-1.319 χ^2/NDF:990058.5/23

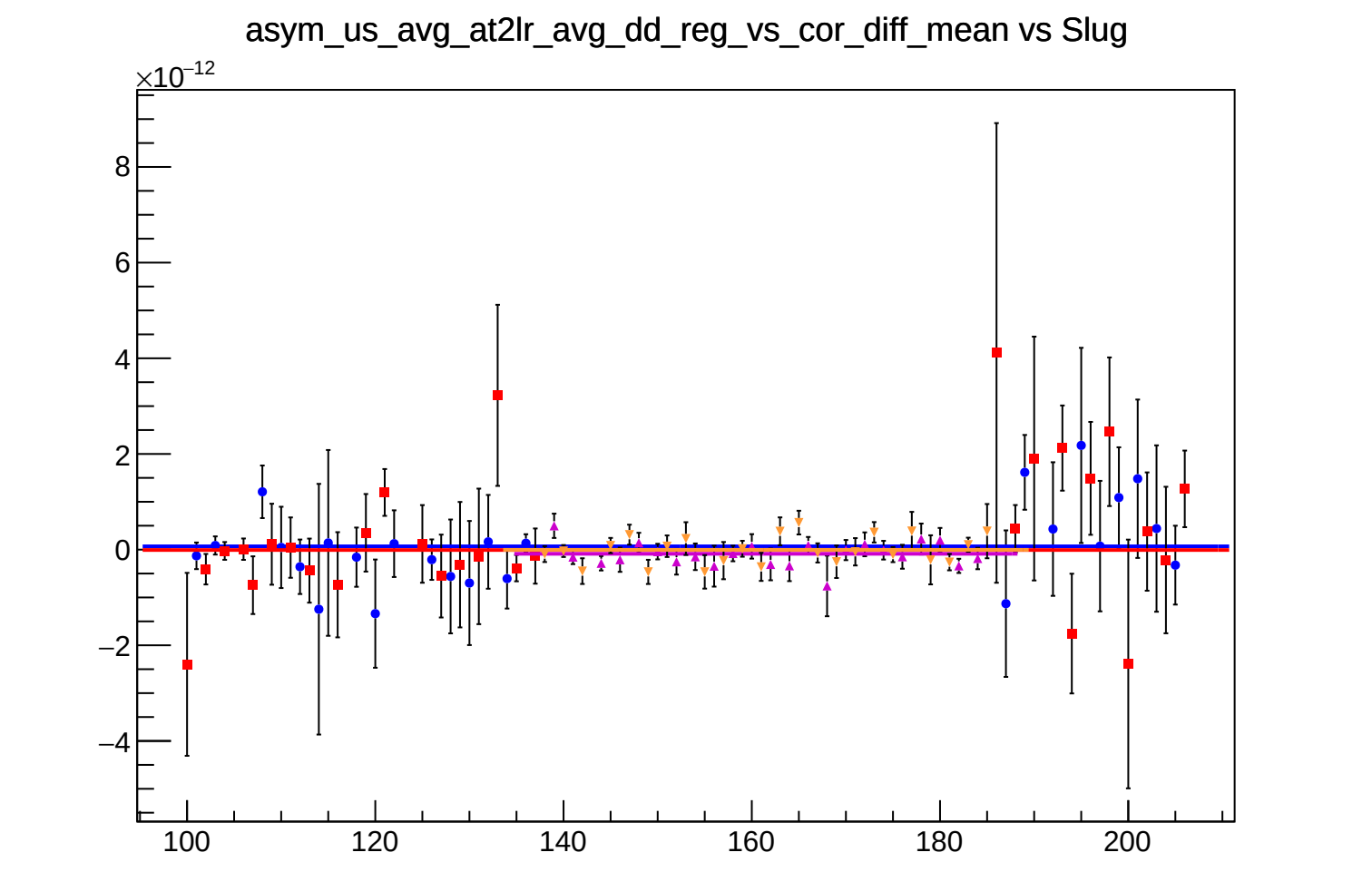
Right Out: 6738.402+/-1.279 χ^2/NDF: 3729910.0/28

Left In: 7816.447+/-1.315 χ^2/NDF:1132368.2/22

+ sign 7552.860+/-0.963 χ^2/NDF: 3230188.3/48

All: 7400.519+/-0.664 χ^2/NDF: 8485361.9/10

- sign 7262.518+/-0.917 χ^2/NDF: 5207525.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 17.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.6/23

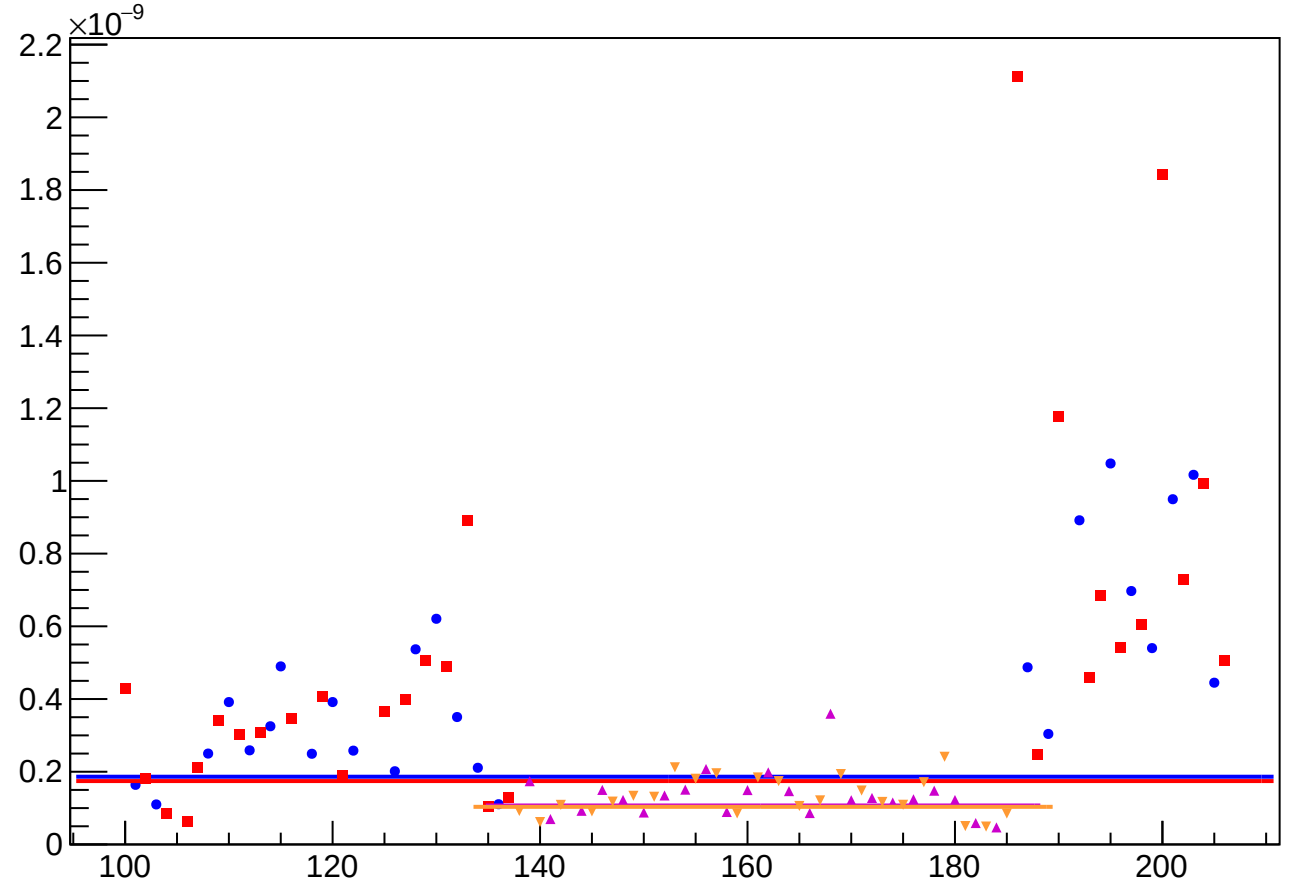
Right Out: -0.000+/-0.000 χ^2/NDF: 34.5/28

Left In: -0.000+/-0.000 χ^2/NDF:19.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.3/48

All: -0.000+/-0.000 χ^2/NDF: 102.8/100

- sign -0.000+/-0.000 χ^2/NDF: 54.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 4029743.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:1905146.0/23

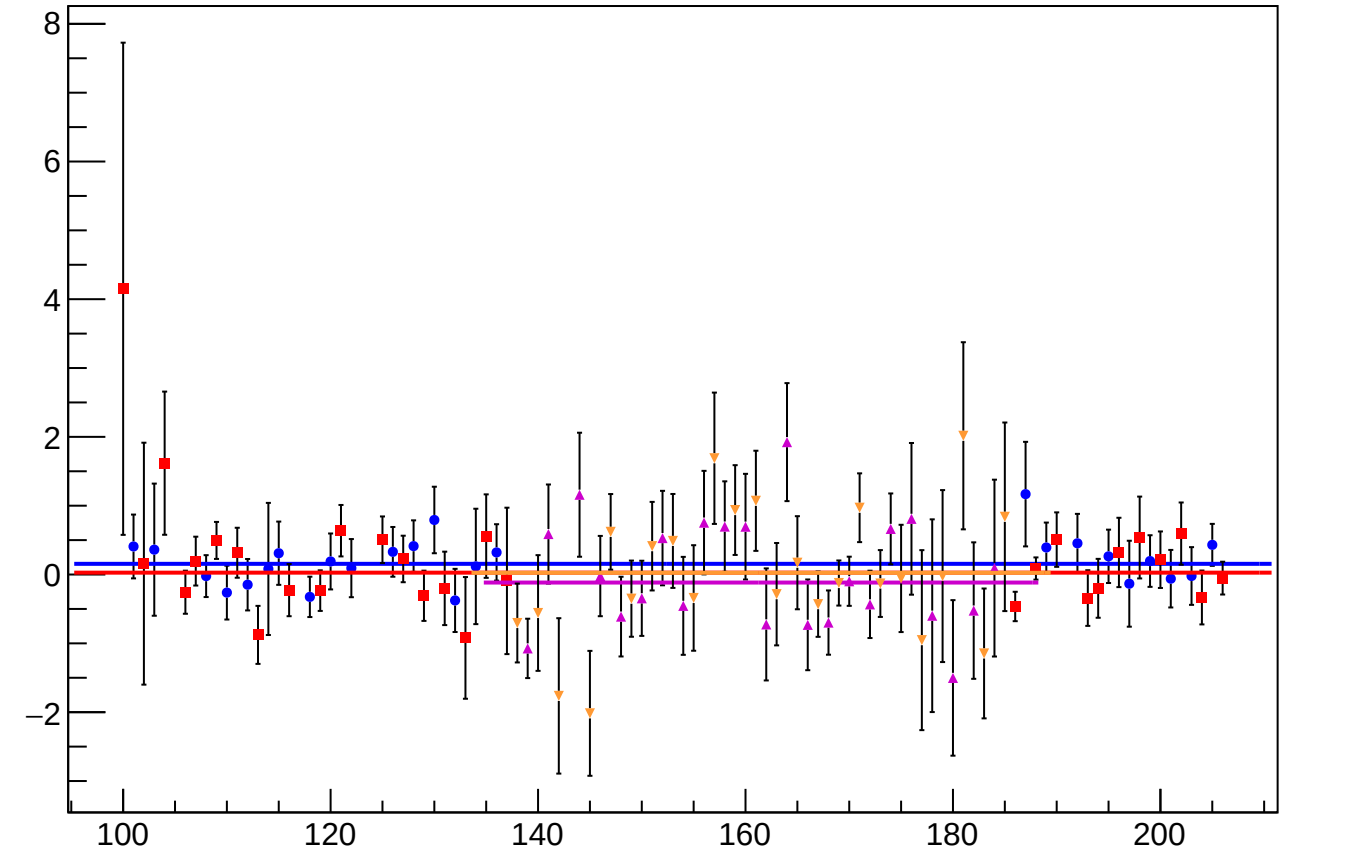
Right Out: 0.000+/-0.000 χ^2/NDF: 6071330.0/28

Left In: 0.000+/-0.000 χ^2/NDF:1596017.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7077375.6/48

All: 0.000+/-0.000 χ^2/NDF: 15528533.4/100

- sign 0.000+/-0.000 χ^2/NDF: 8448496.0/51



Right In: 0.155+/-0.083 χ^2/NDF: 13.5/24

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

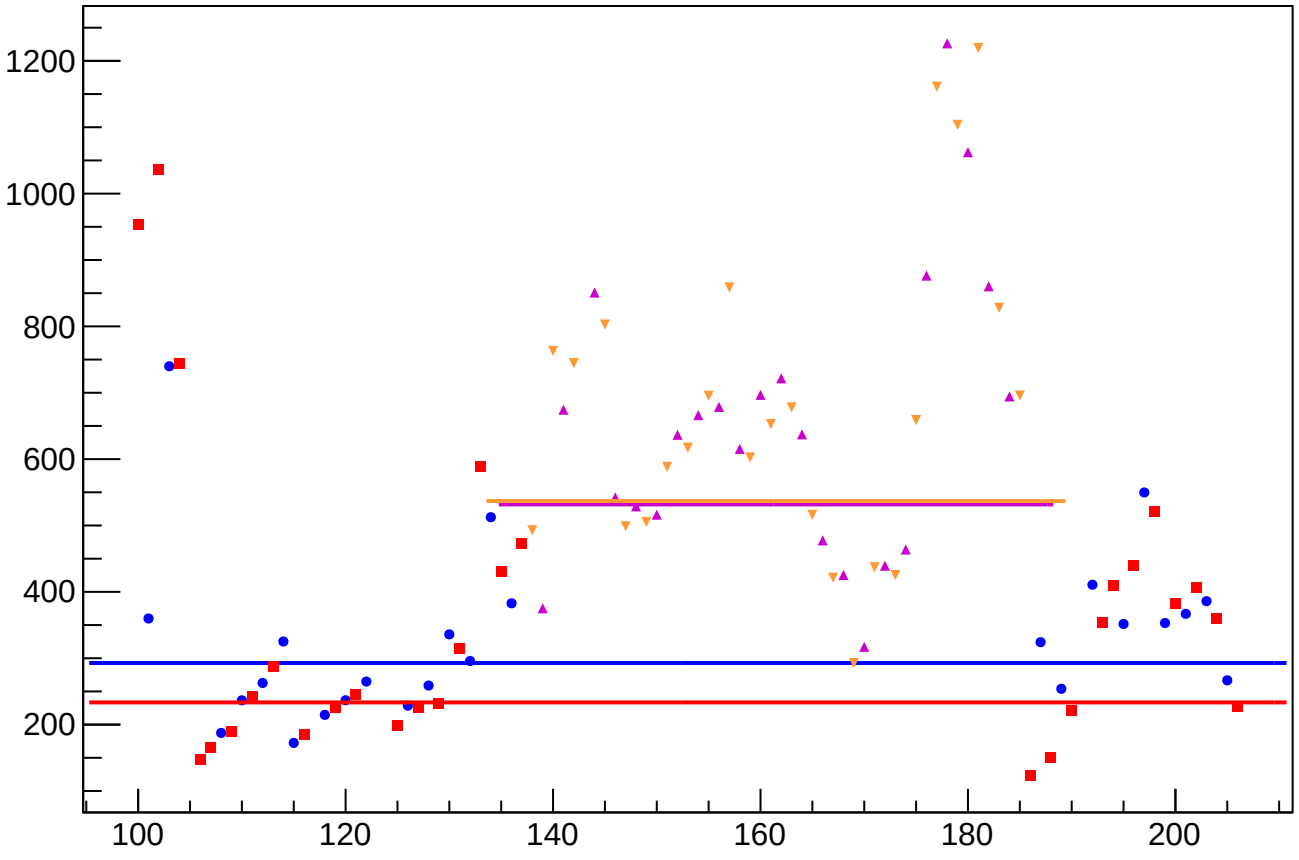
Right Out: 0.027+/-0.067 χ^2/NDF: 34.0/28

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.119+/-0.071 χ^2/NDF: 43.3/48

All: 0.048+/-0.046 χ^2/NDF: 107.8/100

- sign -0.002+/-0.059 χ^2/NDF: 62.8/51



Right In: 292.863+/-0.059 χ^2/NDF: 2218923.1/24

Left Out: 536.821+/-0.095 χ^2/NDF:3963242.1/23

Right Out: 233.479+/-0.047 χ^2/NDF: 5187454.0/28

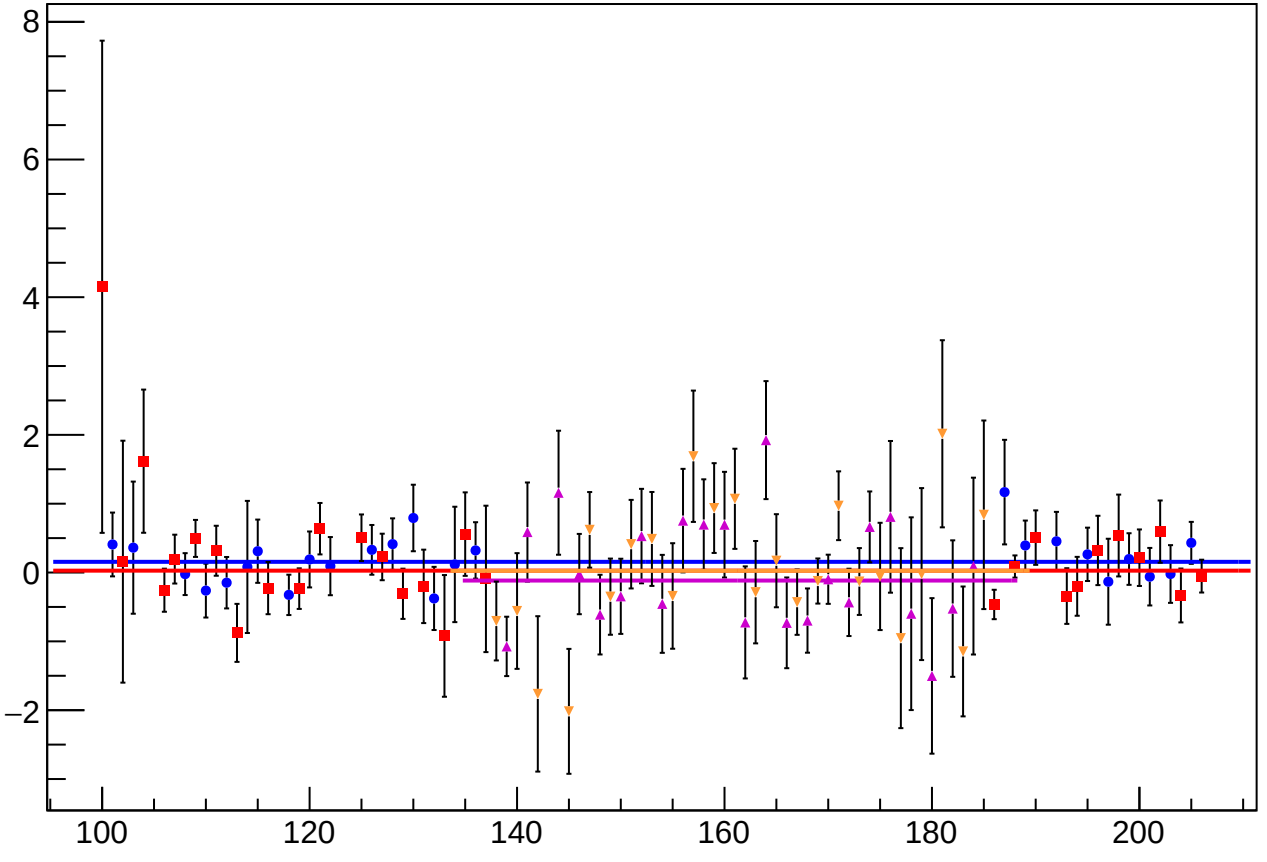
Left In: 531.769+/-0.094 χ^2/NDF:3381209.0/22

+ sign 360.948+/-0.050 χ^2/NDF: 10963239.3/48

All: 321.495+/-0.032 χ^2/NDF: 28689237.9/10

- sign 293.628+/-0.042 χ^2/NDF: 16665515.0/51

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.155+/-0.083 χ^2/NDF: 13.5/24

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

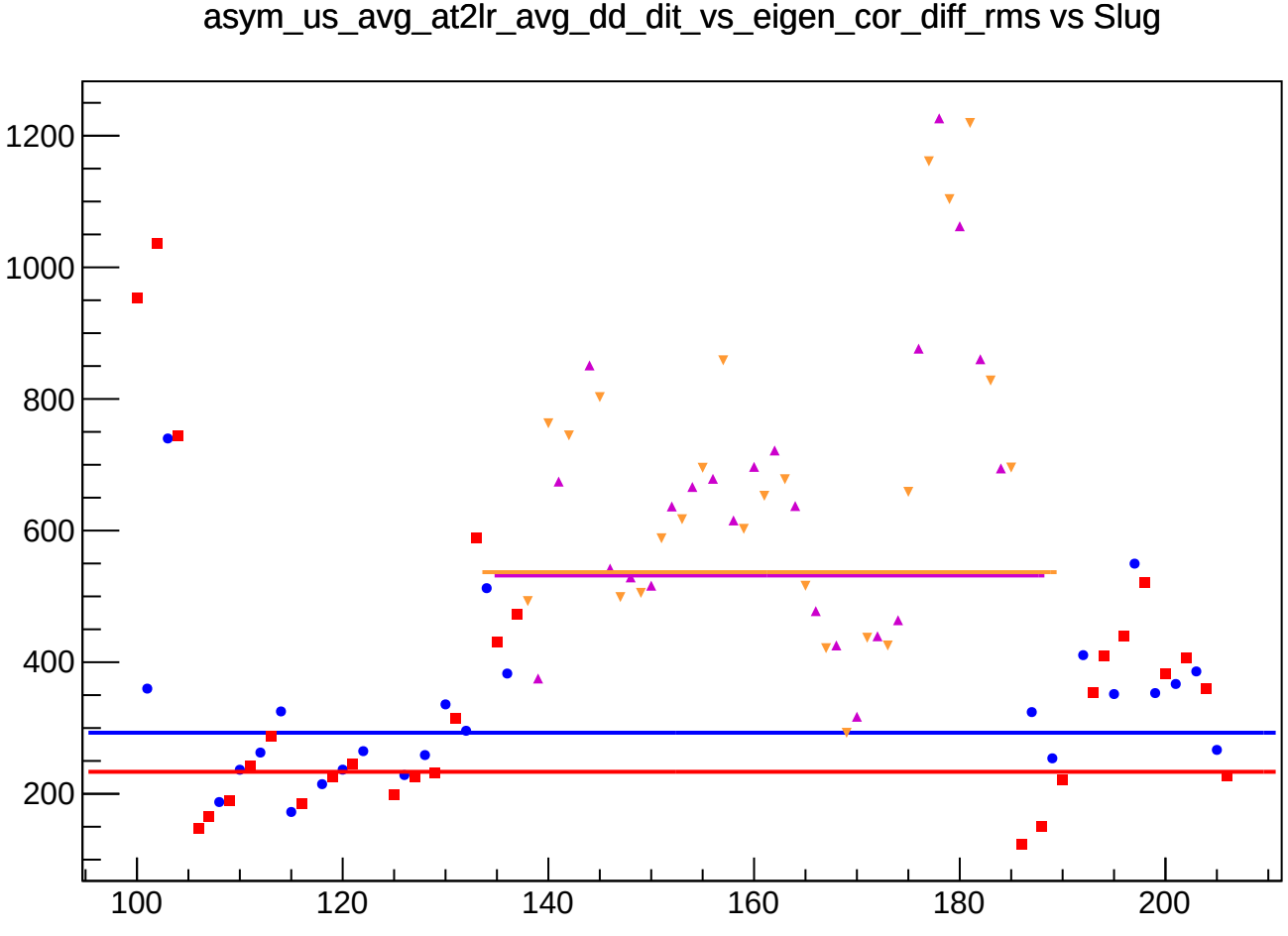
Right Out: 0.027+/-0.067 χ^2/NDF: 34.0/28

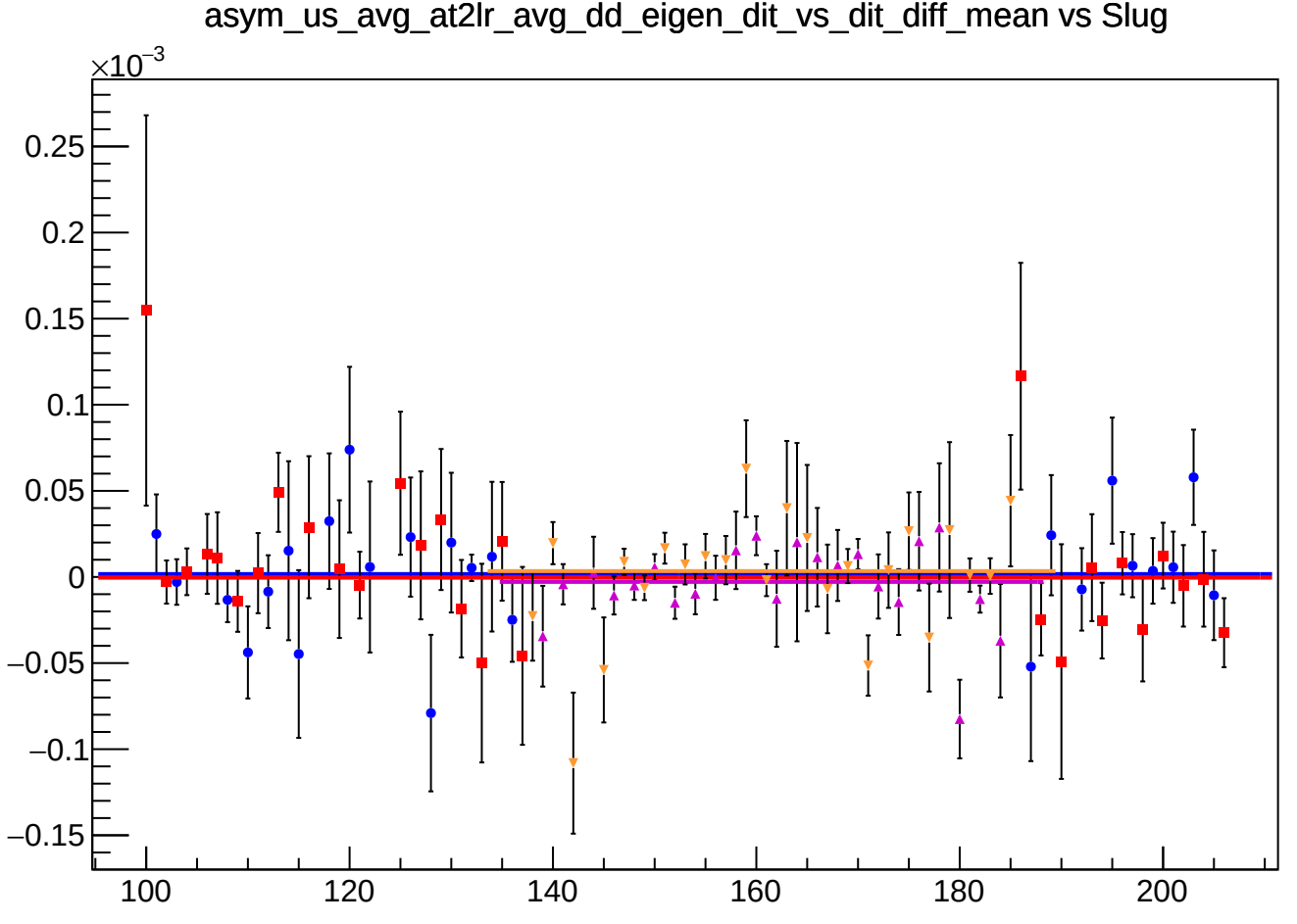
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.119+/-0.071 χ^2/NDF: 43.3/48

All: 0.048+/-0.046 χ^2/NDF: 107.8/100

- sign -0.002+/-0.059 χ^2/NDF: 62.8/51


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 292.863+/-0.059 χ²/NDF: 2218923.1/24
Left Out: 536.821+/-0.095 χ²/NDF:3963242.1/23
Right Out: 233.479+/-0.047 χ²/NDF: 5187454.0/28
Left In: 531.769+/-0.094 χ²/NDF:3381209.0/22
+ sign 360.948+/-0.050 χ²/NDF: 10963239.3/48
All: 321.495+/-0.032 χ²/NDF: 28689237.9/10
- sign 293.628+/-0.042 χ²/NDF: 16665515.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 22.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:39.1/23

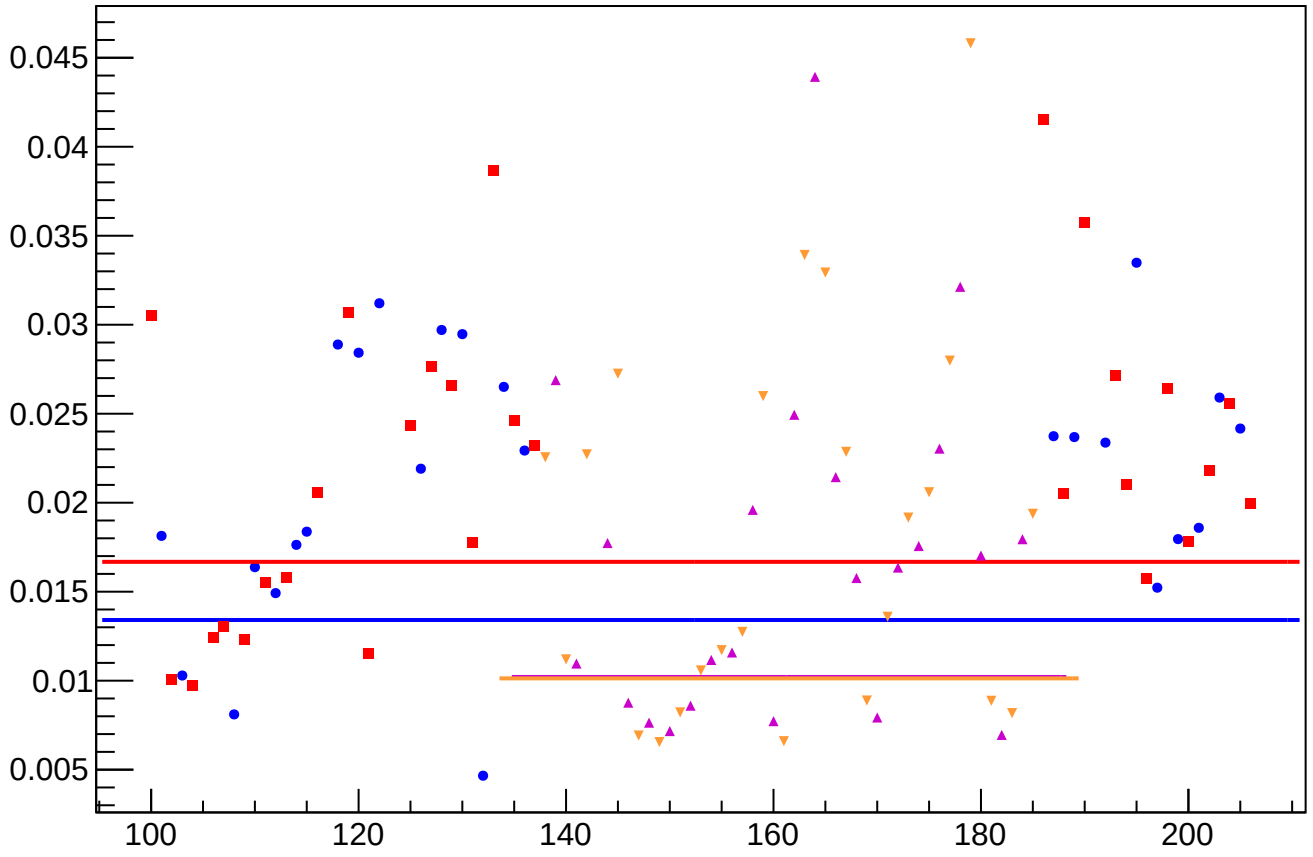
Right Out: -0.000+/-0.000 χ^2/NDF: 23.9/28

Left In: -0.000+/-0.000 χ^2/NDF:32.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.0/48

All: 0.000+/-0.000 χ^2/NDF: 120.7/100

- sign -0.000+/-0.000 χ^2/NDF: 56.3/51



Right In: 0.013+/-0.000 χ^2/NDF: 7340282.8/24

Left Out: 0.010+/-0.000 χ^2/NDF:7812047.6/23

Right Out: 0.017+/-0.000 χ^2/NDF: 3890011.0/28

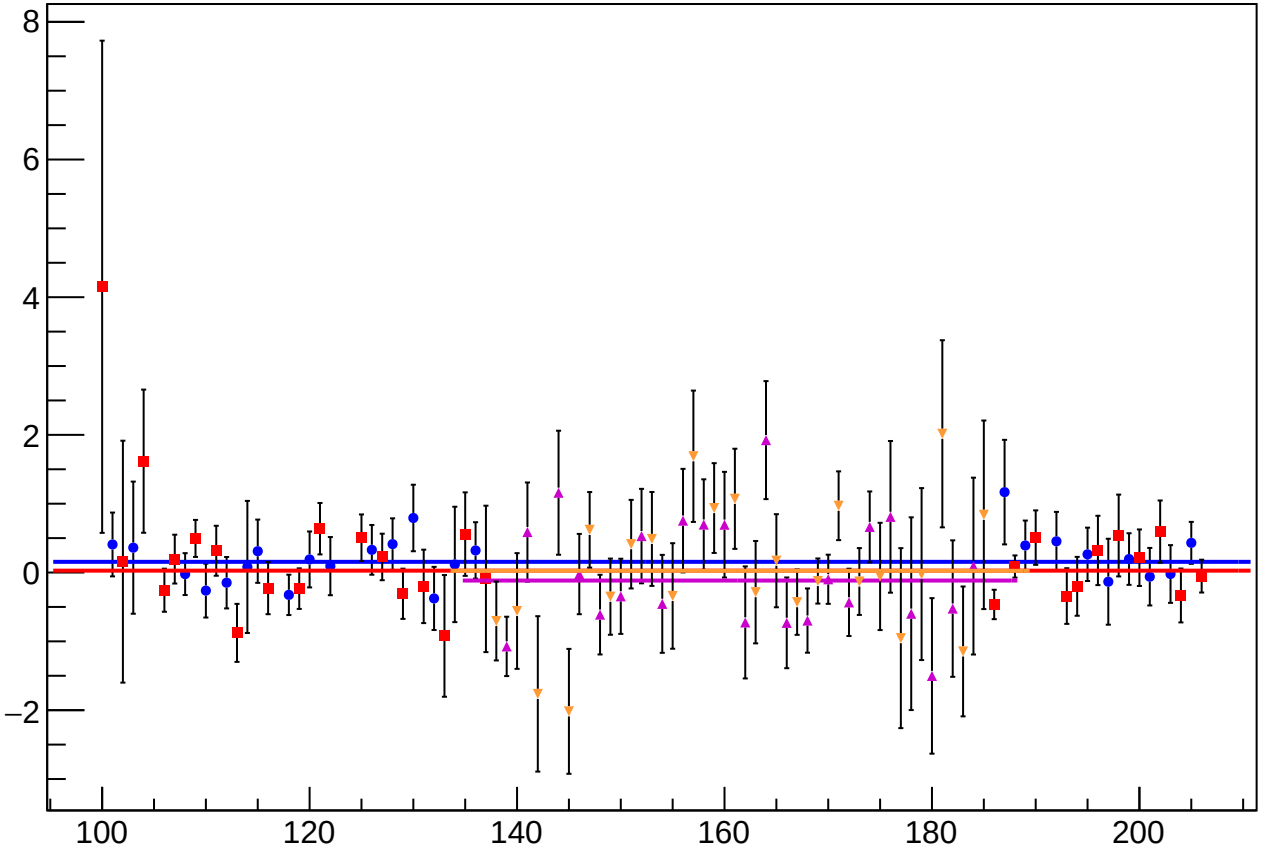
Left In: 0.010+/-0.000 χ^2/NDF:6075883.8/22

+ sign 0.011+/-0.000 χ^2/NDF: 15990096.8/48

All: 0.012+/-0.000 χ^2/NDF: 29068427.5/100

- sign 0.012+/-0.000 χ^2/NDF: 12935580.8/51

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.155+/-0.083 χ^2/NDF: 13.5/24

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

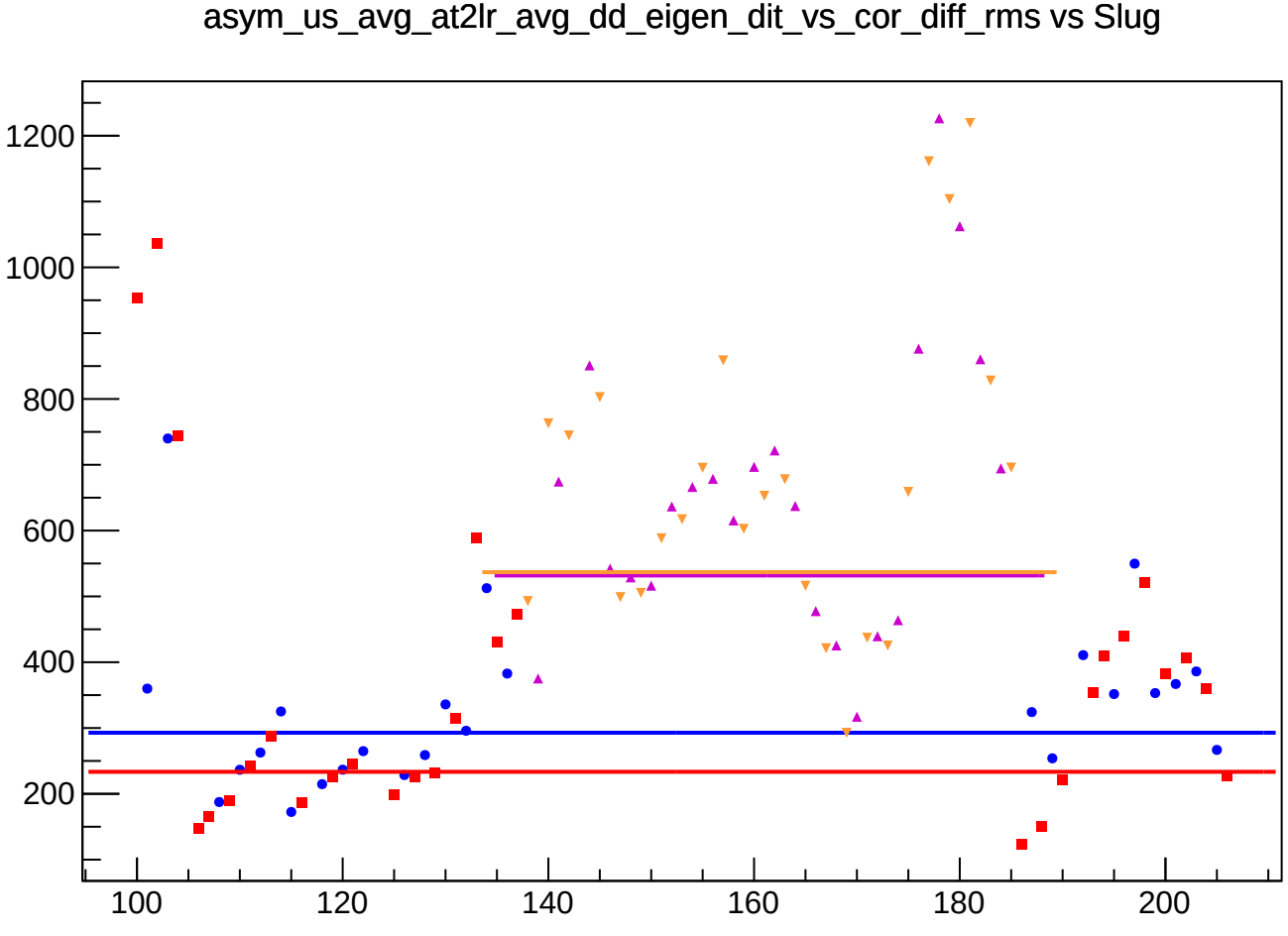
Right Out: 0.027+/-0.067 χ^2/NDF: 34.0/28

Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.119+/-0.071 χ^2/NDF: 43.3/48

All: 0.048+/-0.046 χ^2/NDF: 107.8/100

- sign -0.002+/-0.059 χ^2/NDF: 62.8/51



Right In: 292.861+/-0.059 χ^2/NDF: 2218938.8/24

Left Out: 536.822+/-0.095 χ^2/NDF:3963422.5/23

Right Out: 233.477+/-0.047 χ^2/NDF: 5187609.8/28

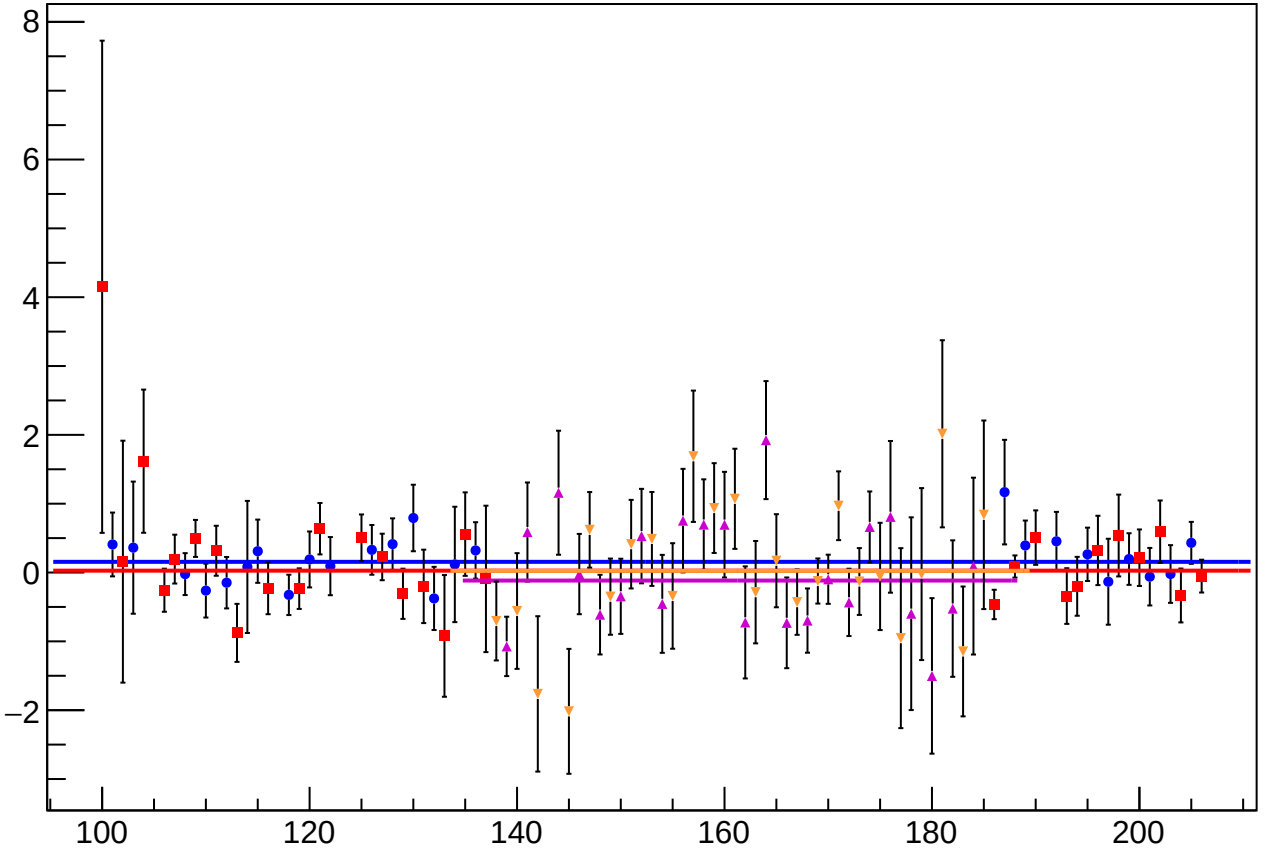
Left In: 531.773+/-0.094 χ^2/NDF:3381293.8/22

+ sign 360.946+/-0.050 χ^2/NDF: 10963519.9/48

All: 321.493+/-0.032 χ^2/NDF: 28689995.3/10

- sign 293.625+/-0.042 χ^2/NDF: 16665975.6/51

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.155+/-0.083 χ^2/NDF: 13.5/24

Left Out: 0.025+/-0.134 χ^2/NDF:29.1/23

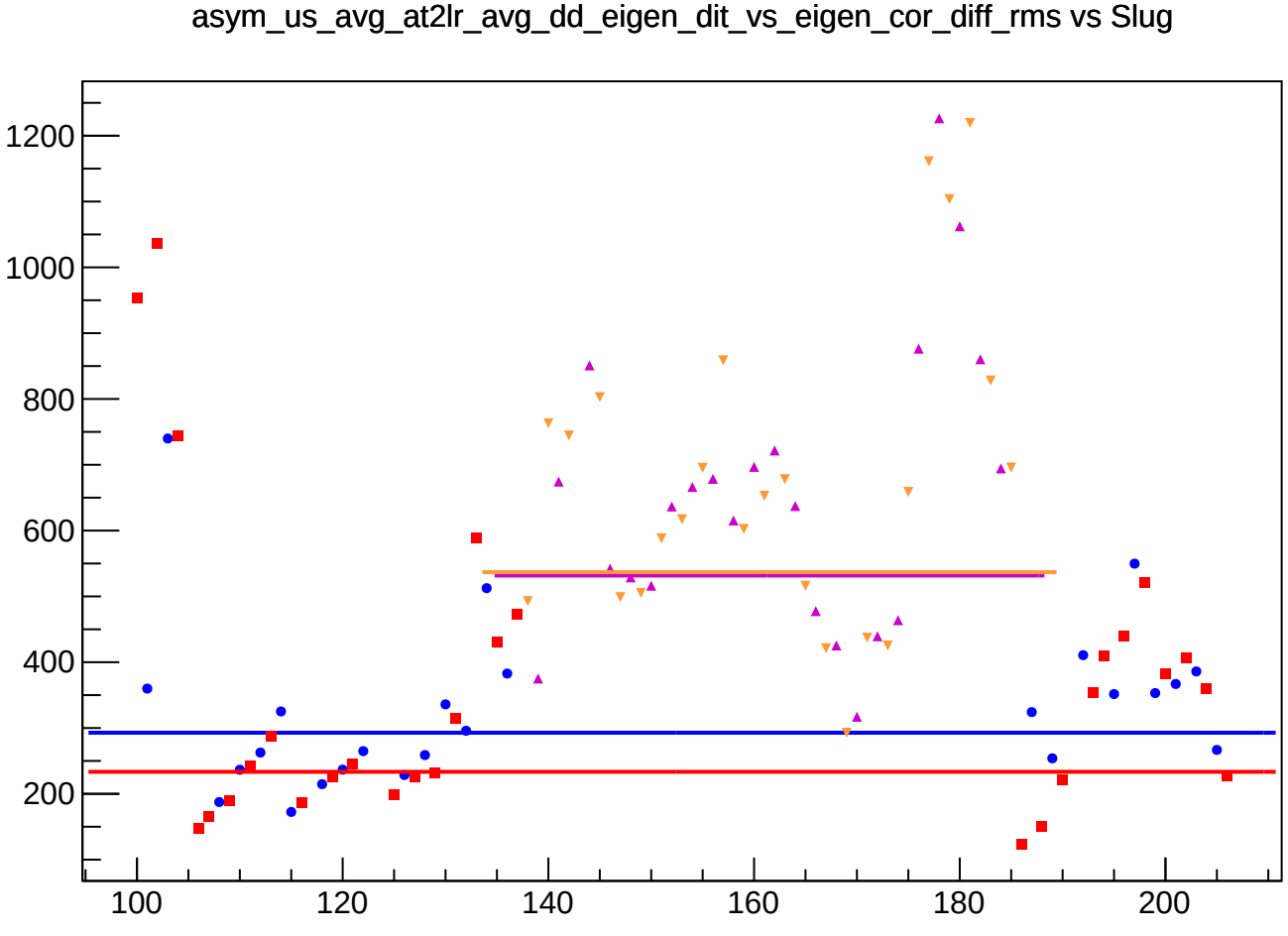
Right Out: 0.027+/-0.067 χ^2/NDF: 34.0/28

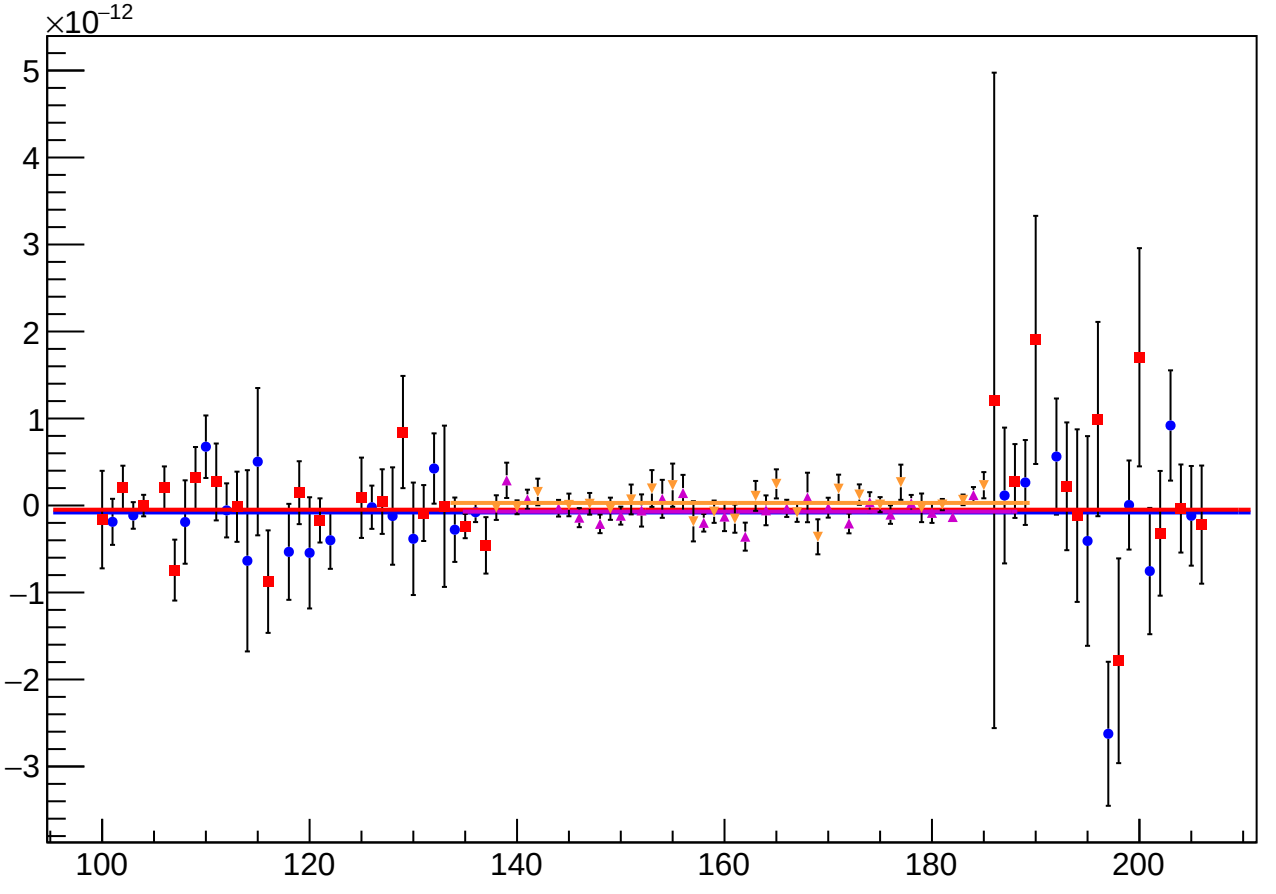
Left In: -0.117+/-0.132 χ^2/NDF:27.8/22

+ sign 0.119+/-0.071 χ^2/NDF: 43.3/48

All: 0.048+/-0.046 χ^2/NDF: 107.8/100

- sign -0.002+/-0.059 χ^2/NDF: 62.8/51


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs Slug
1200
1000
800
600
400
200
100
120
140
160
180
200
Right In: 292.861+/-0.059 χ²/NDF: 2218938.8/24
Left Out: 536.822+/-0.095 χ²/NDF:3963422.5/23
Right Out: 233.477+/-0.047 χ²/NDF: 5187609.8/28
Left In: 531.773+/-0.094 χ²/NDF:3381293.8/22
+ sign 360.946+/-0.050 χ²/NDF: 10963519.9/48
All: 321.493+/-0.032 χ²/NDF: 28689995.3/10
- sign 293.625+/-0.042 χ²/NDF: 16665975.6/51



Right In: -0.000+/-0.000 χ^2/NDF: 24.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:17.7/23

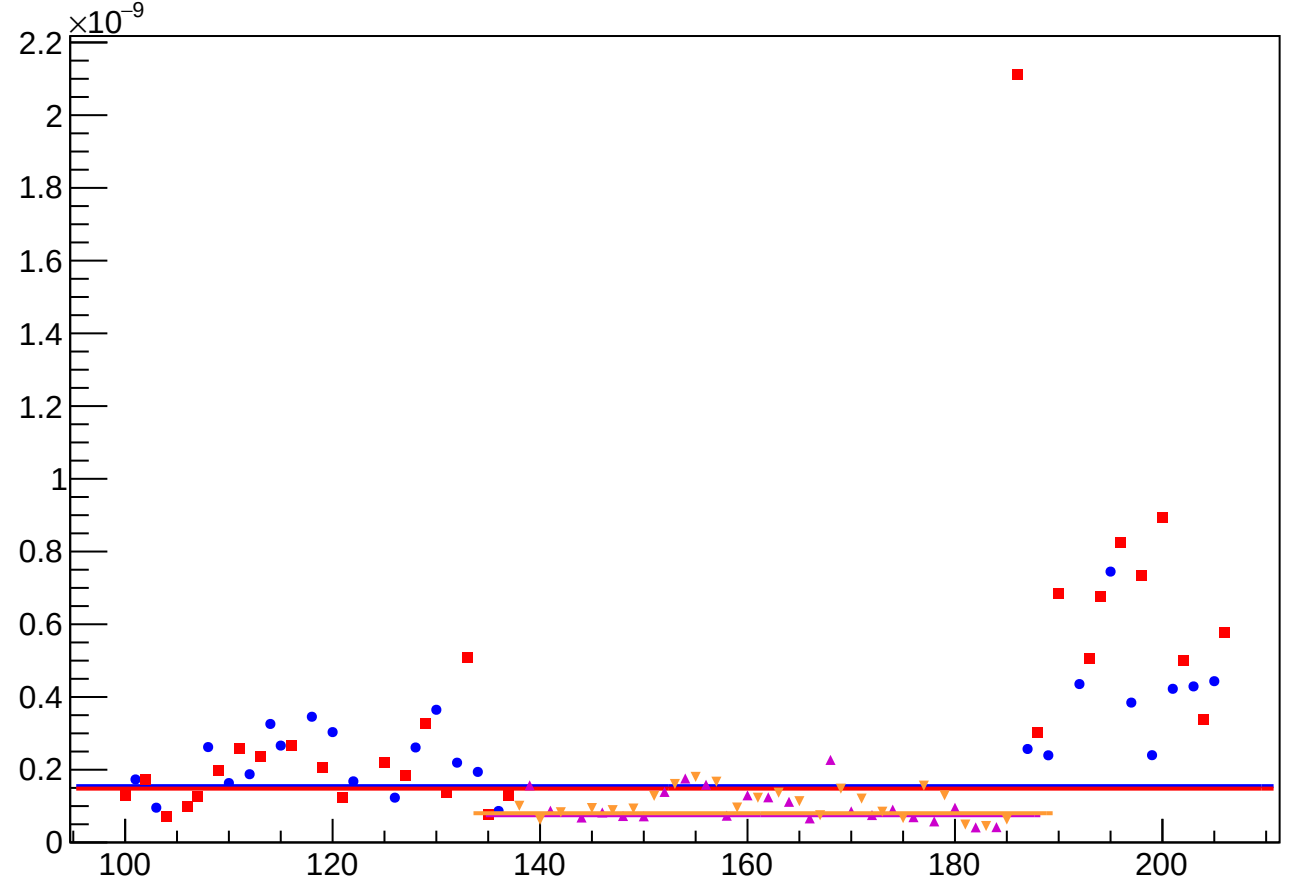
Right Out: -0.000+/-0.000 χ^2/NDF: 23.7/28

Left In: -0.000+/-0.000 χ^2/NDF:23.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.3/48

All: -0.000+/-0.000 χ^2/NDF: 98.5/100

- sign -0.000+/-0.000 χ^2/NDF: 47.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 4281518.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:3732870.2/23

Right Out: 0.000+/-0.000 χ^2/NDF: 7961835.3/28

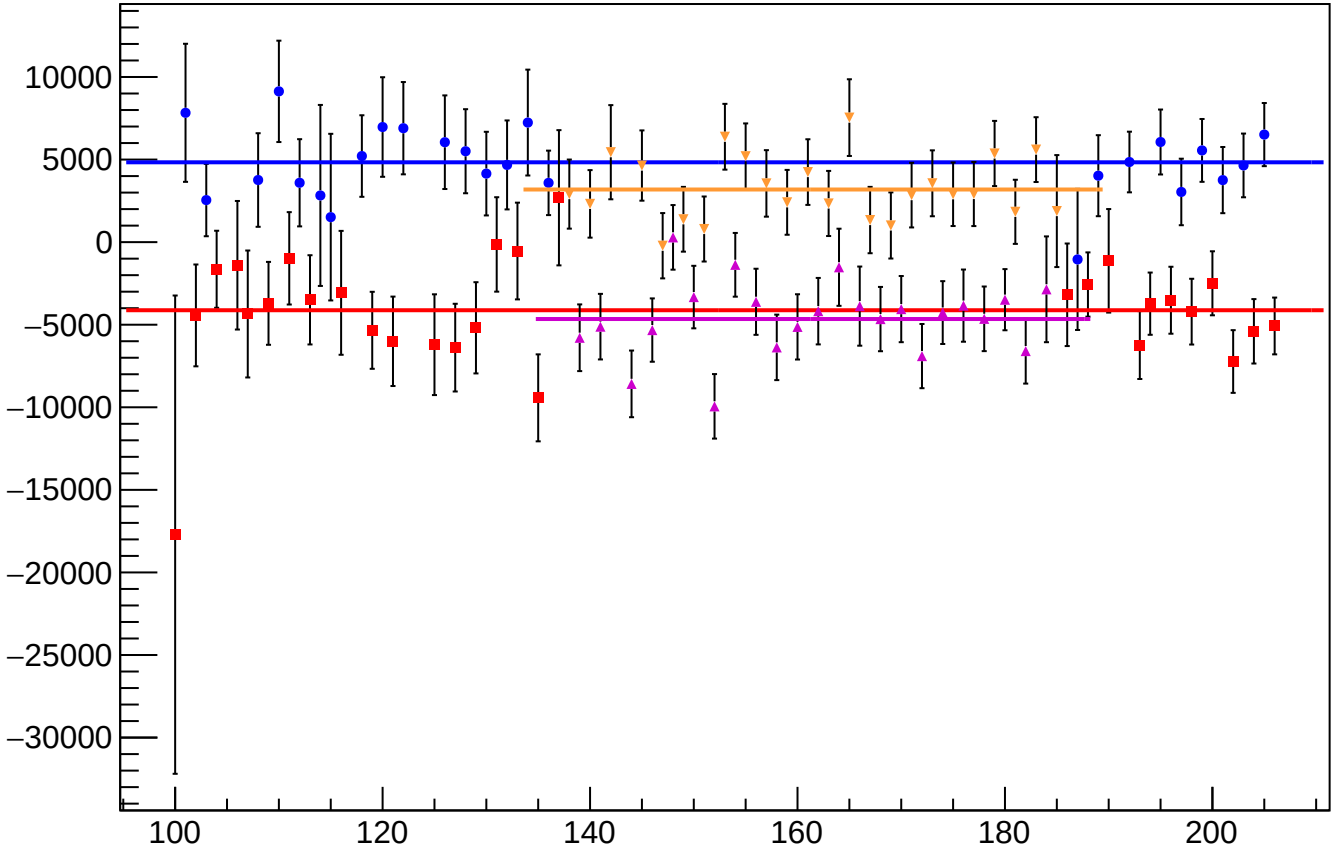
Left In: 0.000+/-0.000 χ^2/NDF:3665599.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 10269428.2/48

All: 0.000+/-0.000 χ^2/NDF: 24392861.6/100

- sign 0.000+/-0.000 χ^2/NDF: 14061394.1/51

reg_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4834.267+/-491.640 χ^2/NDF: 11.3/24

Left Out: 3187.125+/-418.619 χ^2/NDF:19.9/23

Right Out: -4123.232+/-461.542 χ^2/NDF: 23.3/28

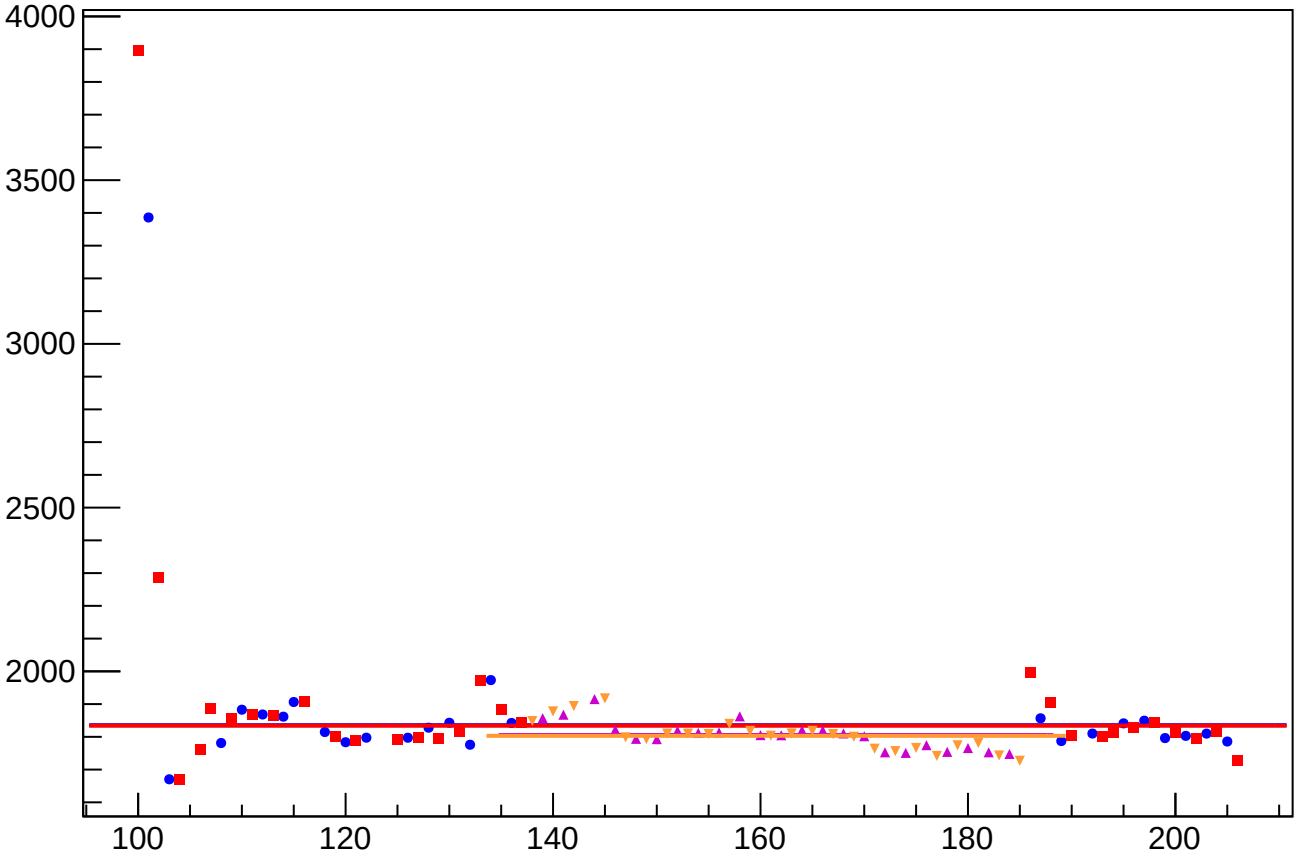
Left In: -4655.206+/-421.691 χ^2/NDF:27.7/22

+ sign 3879.407+/-318.730 χ^2/NDF: 37.6/48

All: -364.427+/-222.709 χ^2/NDF: 435.7/100

- sign -4413.172+/-311.318 χ^2/NDF: 51.7/51

reg_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1835.531+/-0.348 χ^2/NDF: 299103.2/24

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

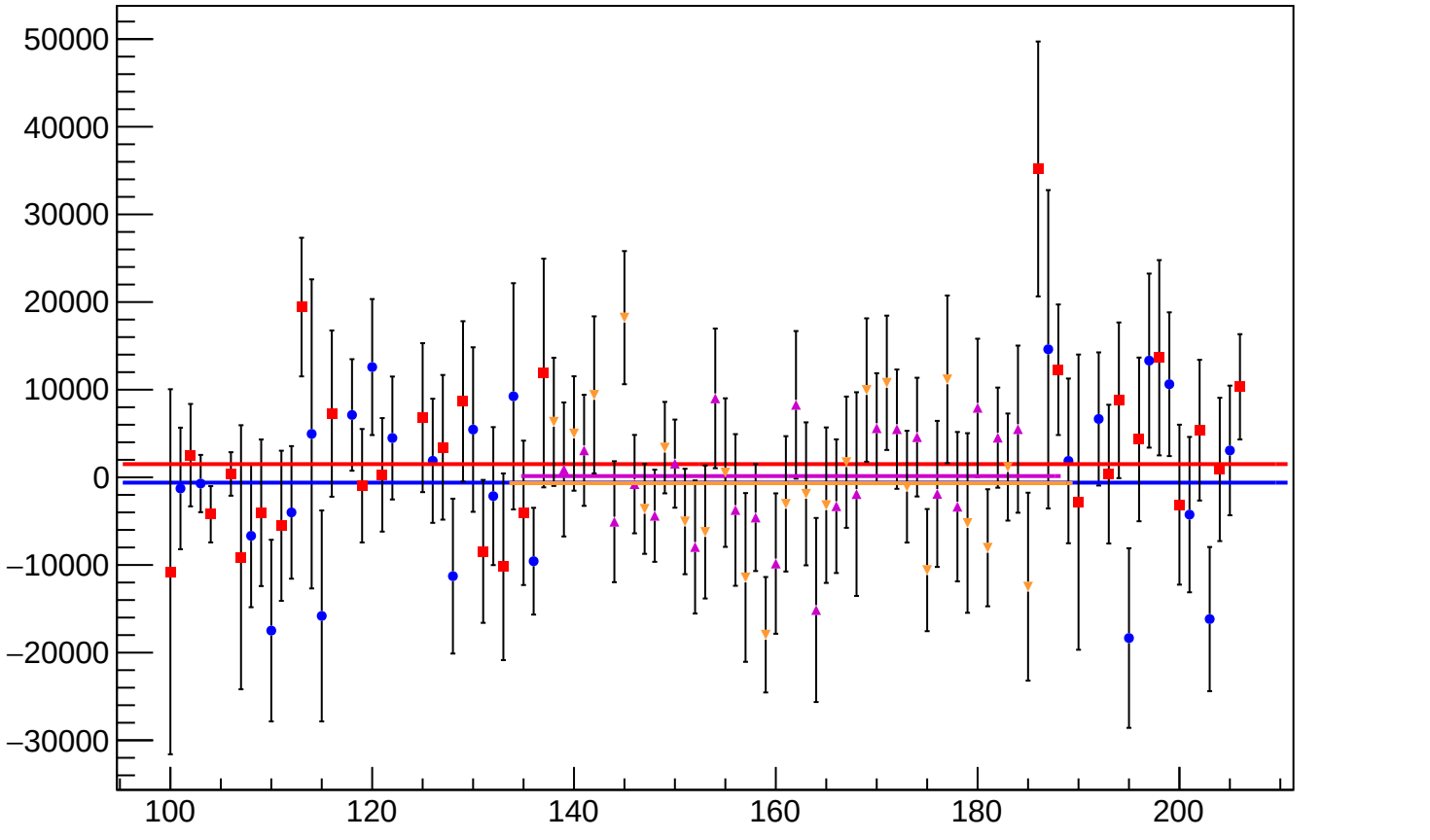
Right Out: 1834.126+/-0.326 χ^2/NDF: 121393.7/28

Left In: 1805.559+/-0.298 χ^2/NDF:19314.7/22

+ sign 1816.739+/-0.225 χ^2/NDF: 324784.9/48

All: 1817.679+/-0.157 χ^2/NDF: 469709.5/100

- sign 1818.575+/-0.220 χ^2/NDF: 144890.7/51



Right In: -604.991+/-1519.071 χ^2/NDF: 27.3/24

Left Out: -667.243+/-1478.798 χ^2/NDF:29.8/23

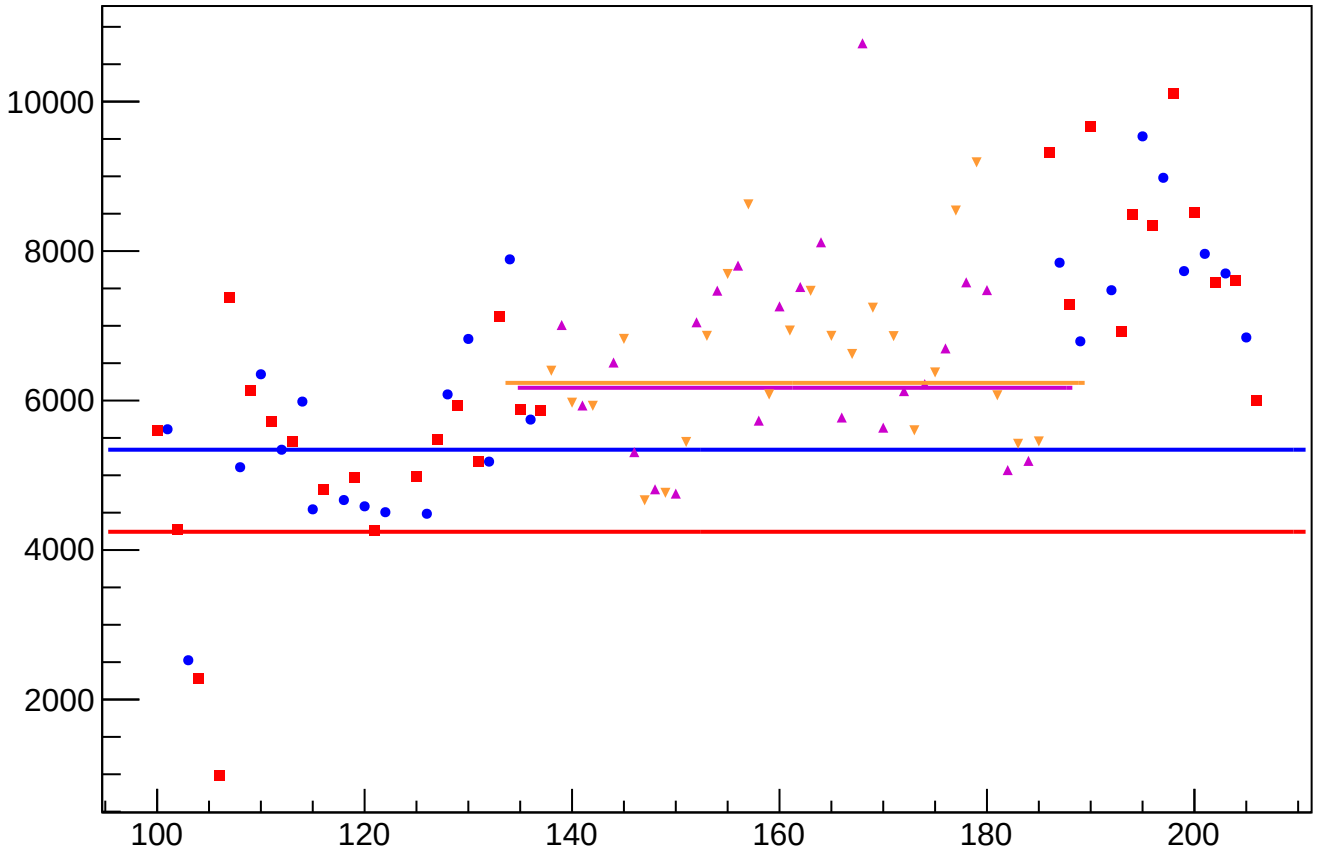
Right Out: 1507.759+/-1261.962 χ^2/NDF: 28.0/28

Left In: 143.435+/-1471.371 χ^2/NDF:13.6/22

+ sign -636.953+/-1059.620 χ^2/NDF: 57.1/48

All: 225.058+/-710.585 χ^2/NDF: 100.4/100

- sign 929.512+/-957.900 χ^2/NDF: 42.1/51



Right In: 5342.311+/-1.074 χ^2/NDF: 3210411.7/24

Left Out: 6236.636+/-1.046 χ^2/NDF:1067659.4/23

Right Out: 4244.329+/-0.892 χ^2/NDF: 8656058.0/28

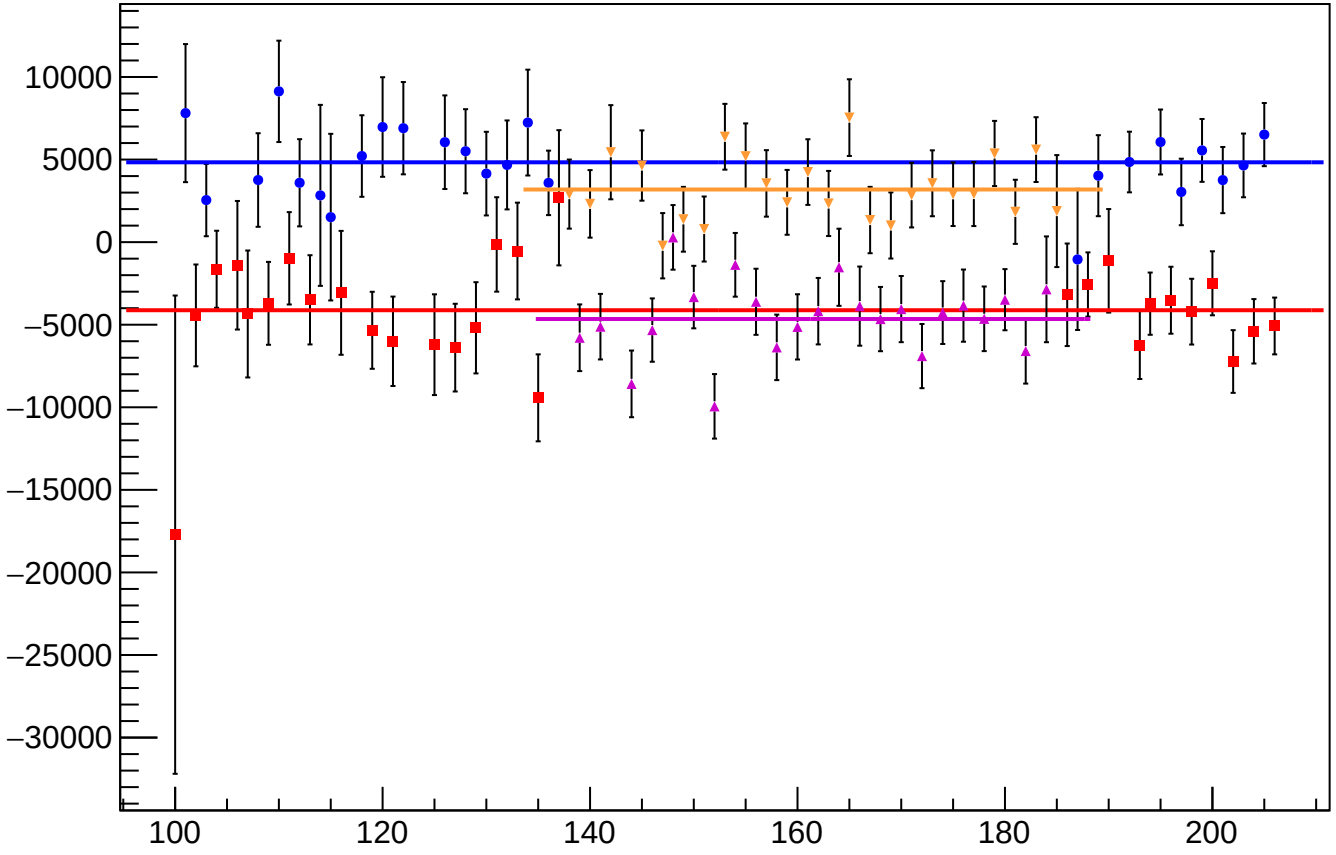
Left In: 6170.791+/-1.040 χ^2/NDF:1237554.5/22

+ sign 5801.486+/-0.749 χ^2/NDF: 4633986.7/48

All: 5393.909+/-0.502 χ^2/NDF: 17040714.5/1

- sign 5060.829+/-0.677 χ^2/NDF: 11869008.9/51

cor_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4834.068+/-491.640 χ^2/NDF: 11.3/24

Left Out: 3187.056+/-418.619 χ^2/NDF:19.9/23

Right Out: -4123.112+/-461.542 χ^2/NDF: 23.3/28

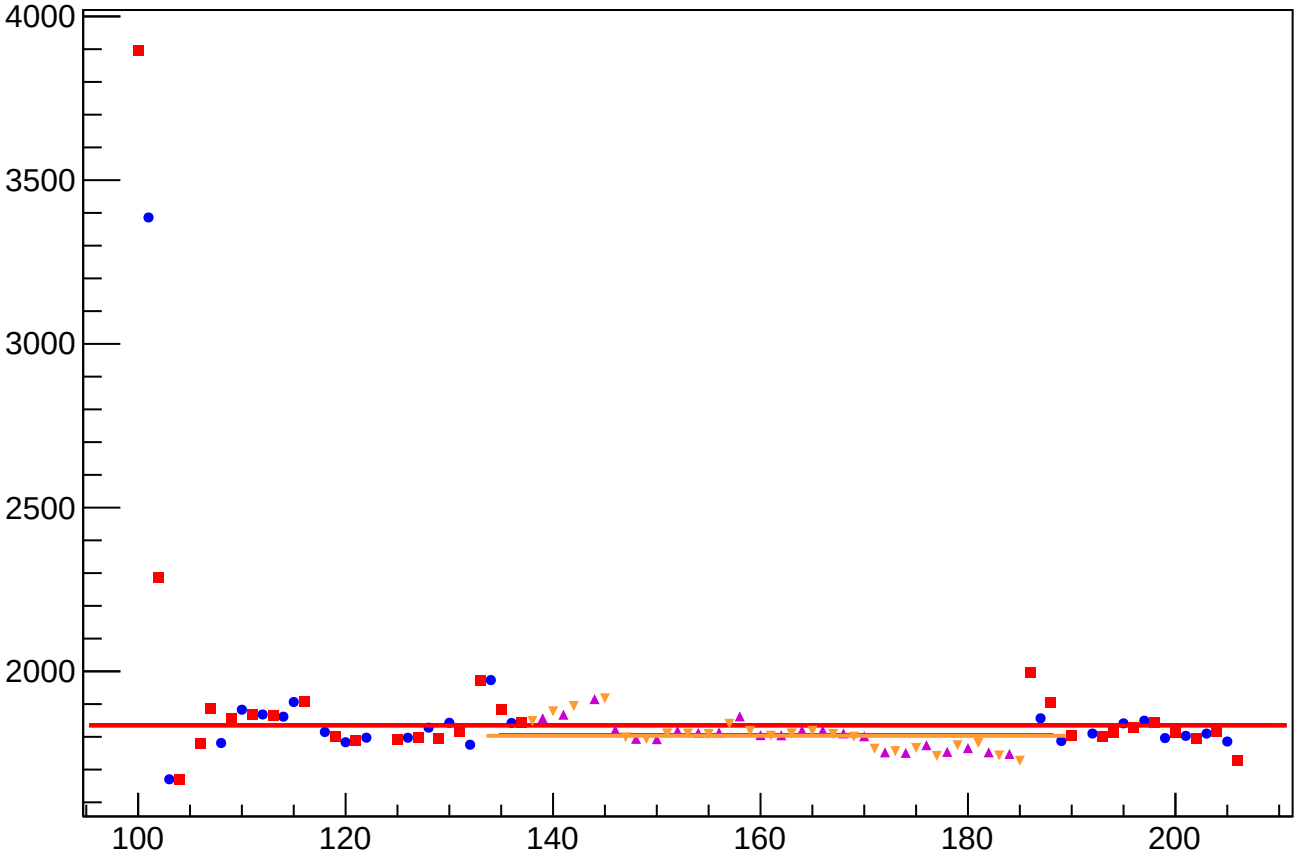
Left In: -4655.225+/-421.691 χ^2/NDF:27.7/22

+ sign 3879.284+/-318.730 χ^2/NDF: 37.6/48

All: -364.465+/-222.709 χ^2/NDF: 435.7/100

- sign -4413.128+/-311.318 χ^2/NDF: 51.7/51

cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1835.531+/-0.348 χ^2/NDF: 299105.0/24

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

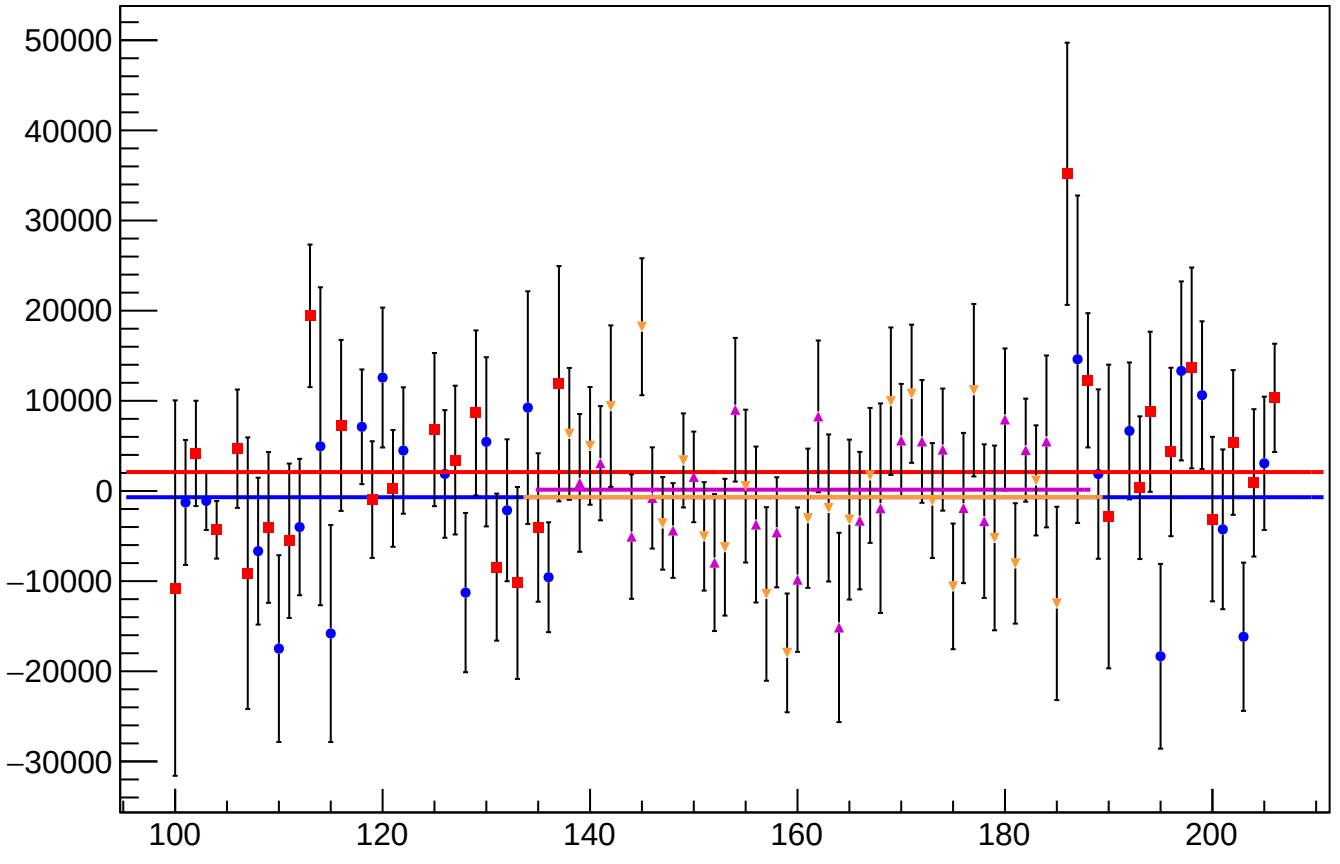
Right Out: 1834.433+/-0.326 χ^2/NDF: 121037.1/28

Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1816.739+/-0.225 χ^2/NDF: 324786.7/48

All: 1817.750+/-0.157 χ^2/NDF: 469449.6/100

- sign 1818.713+/-0.220 χ^2/NDF: 144623.6/51



Right In: -692.723+/-1515.041 χ^2/NDF: 27.3/24

Left Out: -667.245+/-1478.798 χ^2/NDF:29.8/23

Right Out: 2098.284+/-1429.004 χ^2/NDF: 28.2/28

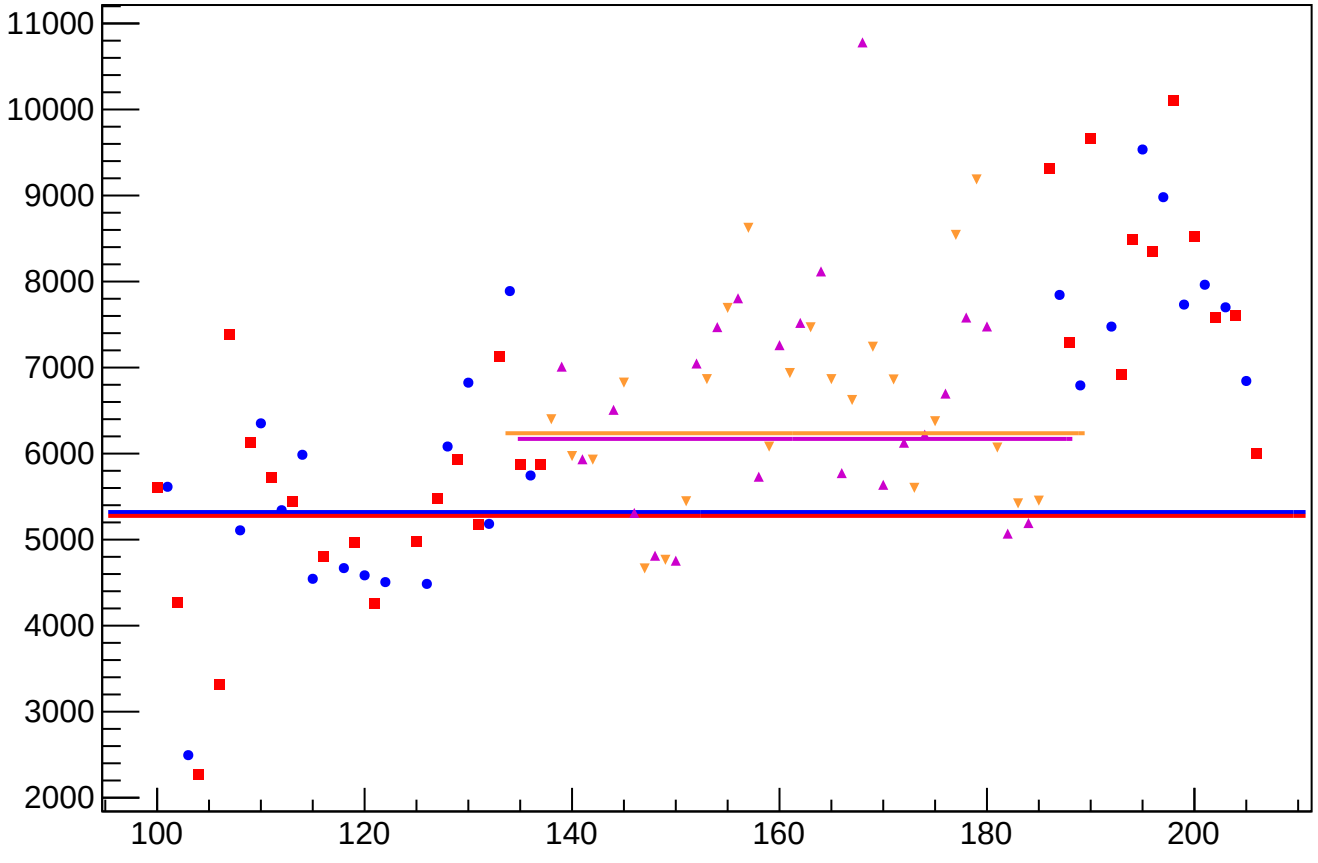
Left In: 143.369+/-1471.371 χ^2/NDF:13.6/22

+ sign -679.676+/-1058.249 χ^2/NDF: 57.1/48

All: 263.938+/-736.299 χ^2/NDF: 101.3/100

- sign 1149.376+/-1025.109 χ^2/NDF: 42.7/51

asym_us_avg_atlr_avg_avg_cor_correction_rms vs Slug



Right In: 5320.587+/-1.071 χ^2/NDF: 3279969.7/24

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

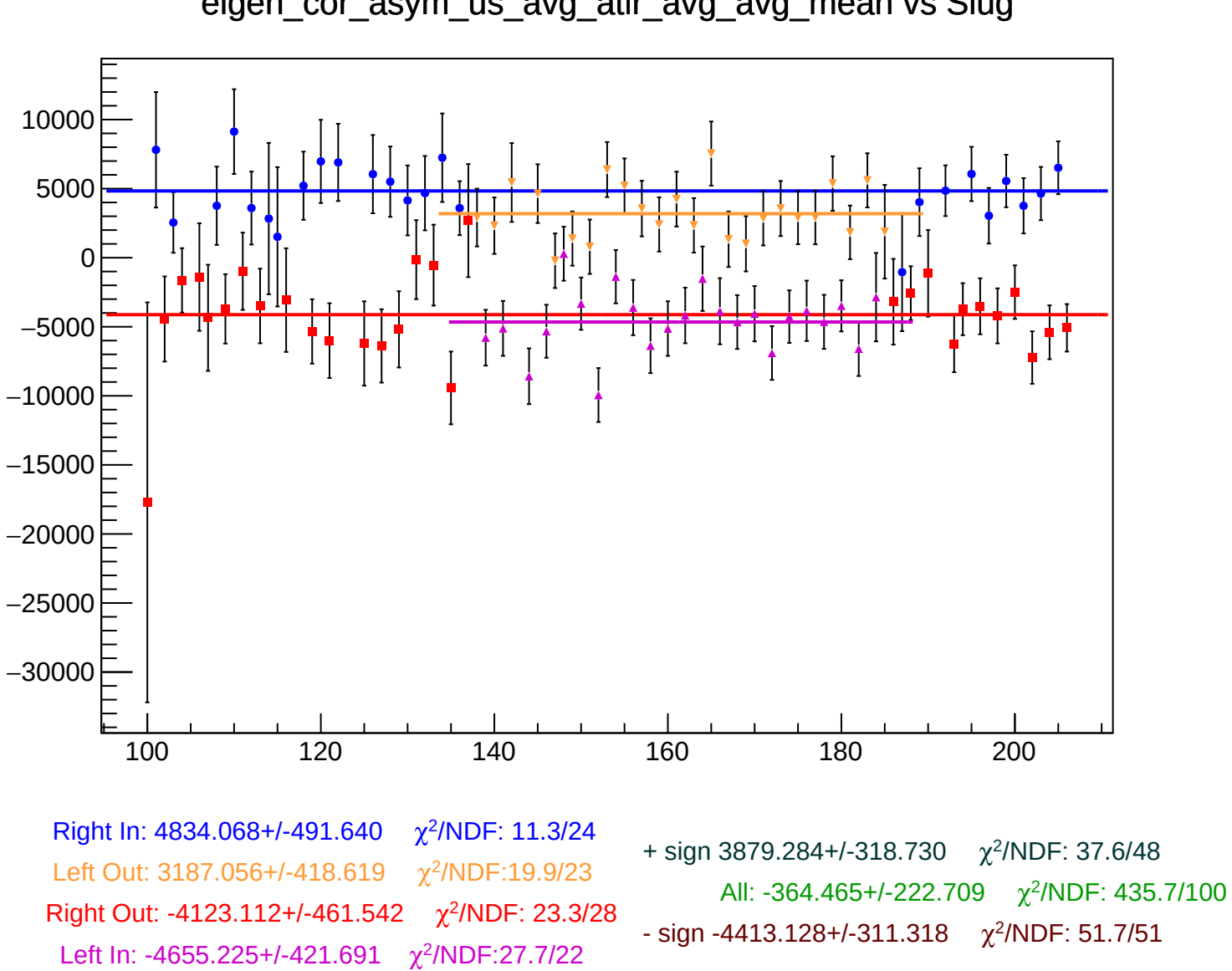
Right Out: 5276.114+/-1.010 χ^2/NDF: 4210937.4/28

Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

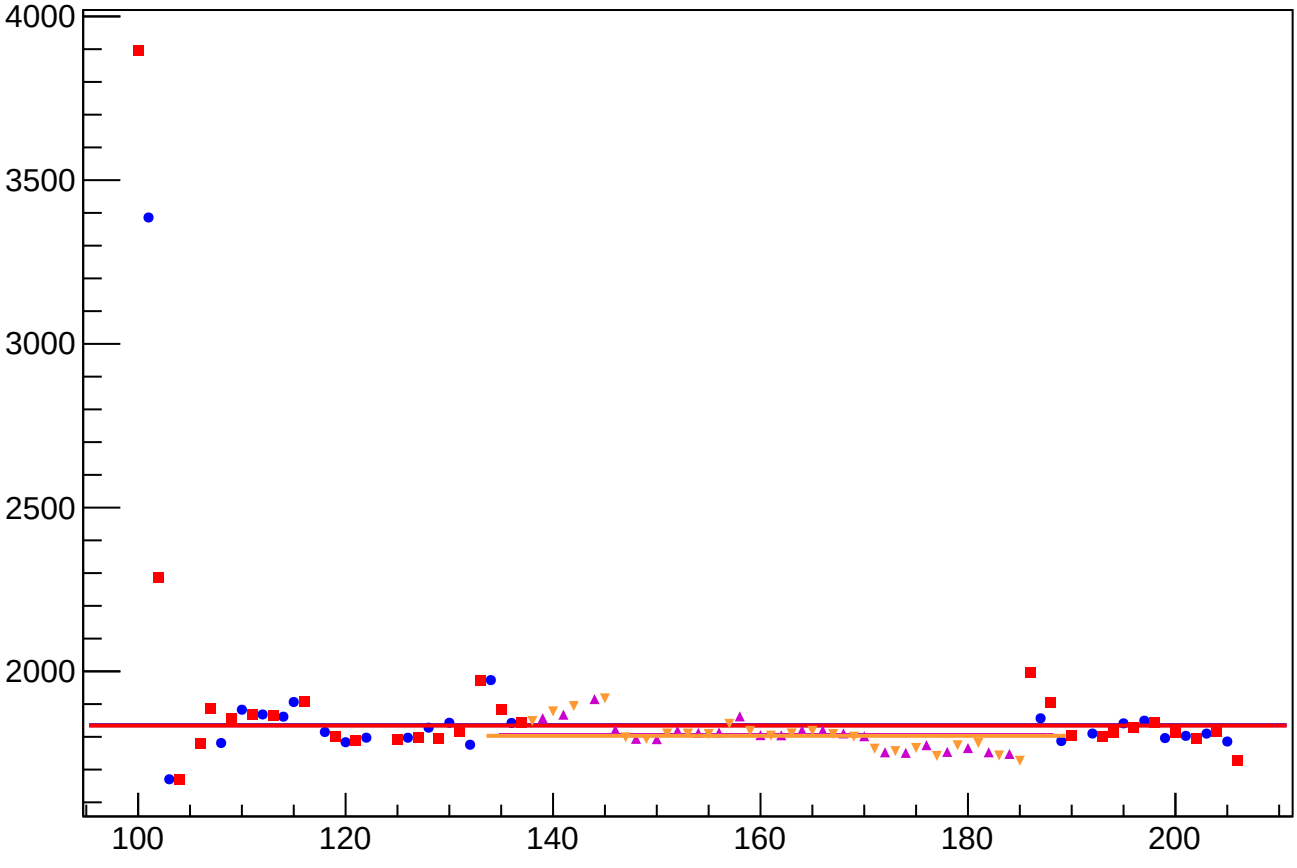
+ sign 5789.699+/-0.748 χ^2/NDF: 4722069.3/48

All: 5748.781+/-0.521 χ^2/NDF: 10556897.2/1

- sign 5710.386+/-0.725 χ^2/NDF: 5829032.0/51


eigen_cor_asym_us_avg_atlr_avg_avg_mean vs Slug
10000
5000
0
−5000
−10000
−15000
−20000
−25000
−30000
100
120
140
160
180
200
Right In: 4834.068+/-491.640 χ²/NDF: 11.3/24
Left Out: 3187.056+/-418.619 χ²/NDF:19.9/23
Right Out: -4123.112+/-461.542 χ²/NDF: 23.3/28
Left In: -4655.225+/-421.691 χ²/NDF:27.7/22
+ sign 3879.284+/-318.730 χ²/NDF: 37.6/48
All: -364.465+/-222.709 χ²/NDF: 435.7/100
- sign -4413.128+/-311.318 χ²/NDF: 51.7/51

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1835.531+/-0.348 χ^2/NDF: 299105.0/24

Left Out: 1803.115+/-0.296 χ^2/NDF:20641.1/23

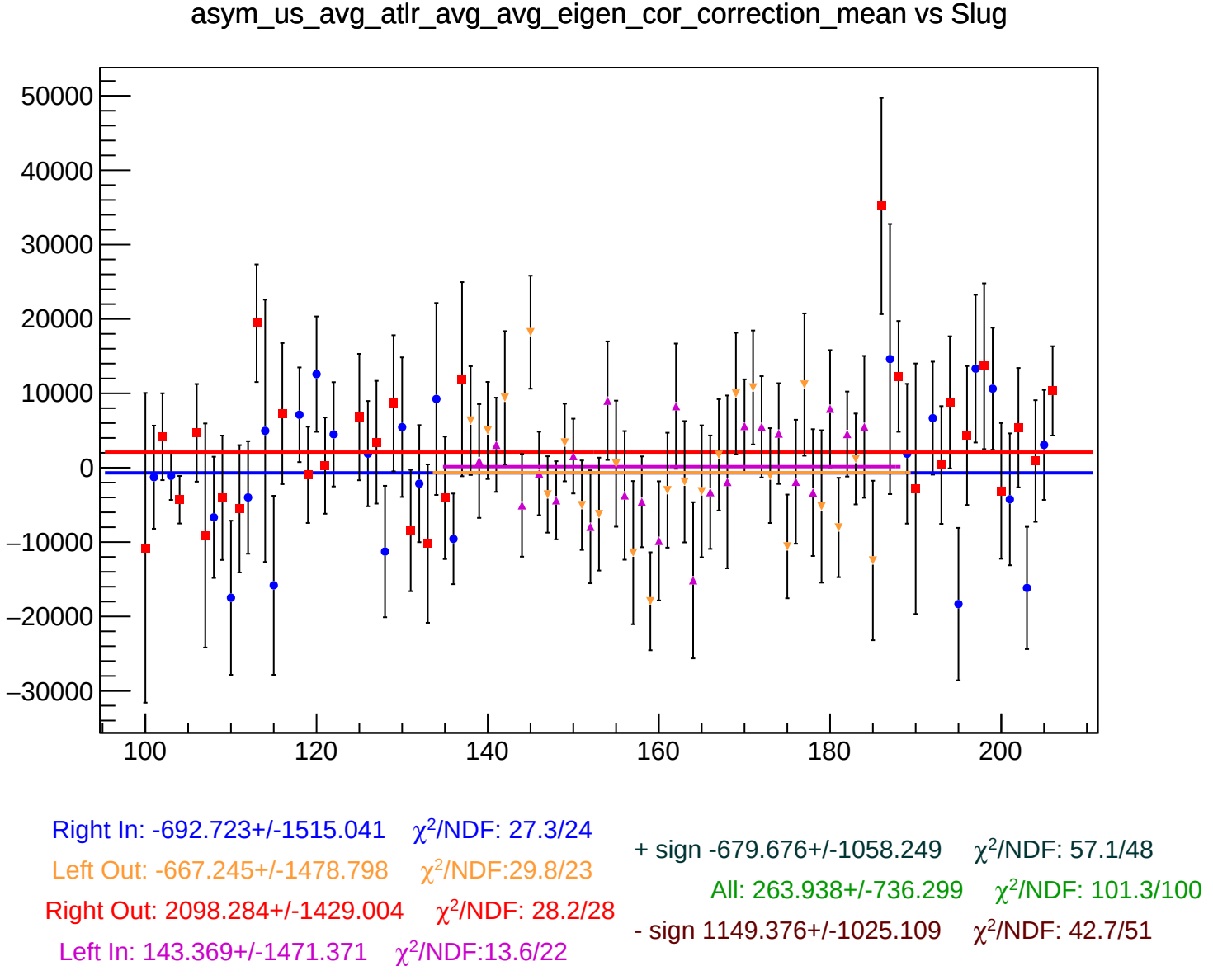
Right Out: 1834.433+/-0.326 χ^2/NDF: 121037.1/28

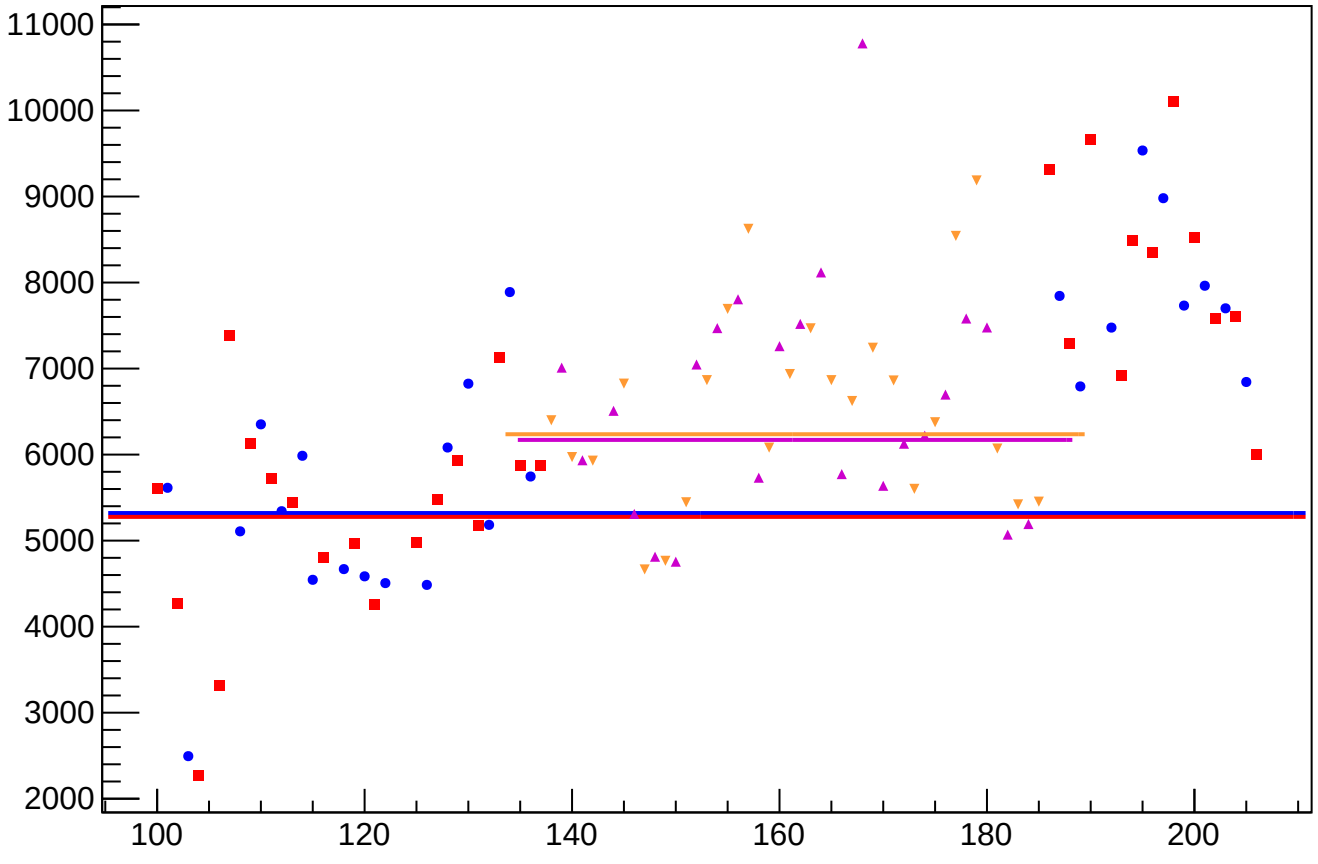
Left In: 1805.559+/-0.298 χ^2/NDF:19314.6/22

+ sign 1816.739+/-0.225 χ^2/NDF: 324786.7/48

All: 1817.750+/-0.157 χ^2/NDF: 469449.6/100

- sign 1818.713+/-0.220 χ^2/NDF: 144623.6/51


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -692.723+/-1515.041 χ²/NDF: 27.3/24
Left Out: -667.245+/-1478.798 χ²/NDF:29.8/23
Right Out: 2098.284+/-1429.004 χ²/NDF: 28.2/28
Left In: 143.369+/-1471.371 χ²/NDF:13.6/22
+ sign -679.676+/-1058.249 χ²/NDF: 57.1/48
All: 263.938+/-736.299 χ²/NDF: 101.3/100
- sign 1149.376+/-1025.109 χ²/NDF: 42.7/51



Right In: 5320.587+/-1.071 χ^2/NDF: 3279969.7/24

Left Out: 6236.635+/-1.046 χ^2/NDF:1067665.4/23

Right Out: 5276.114+/-1.010 χ^2/NDF: 4210937.4/28

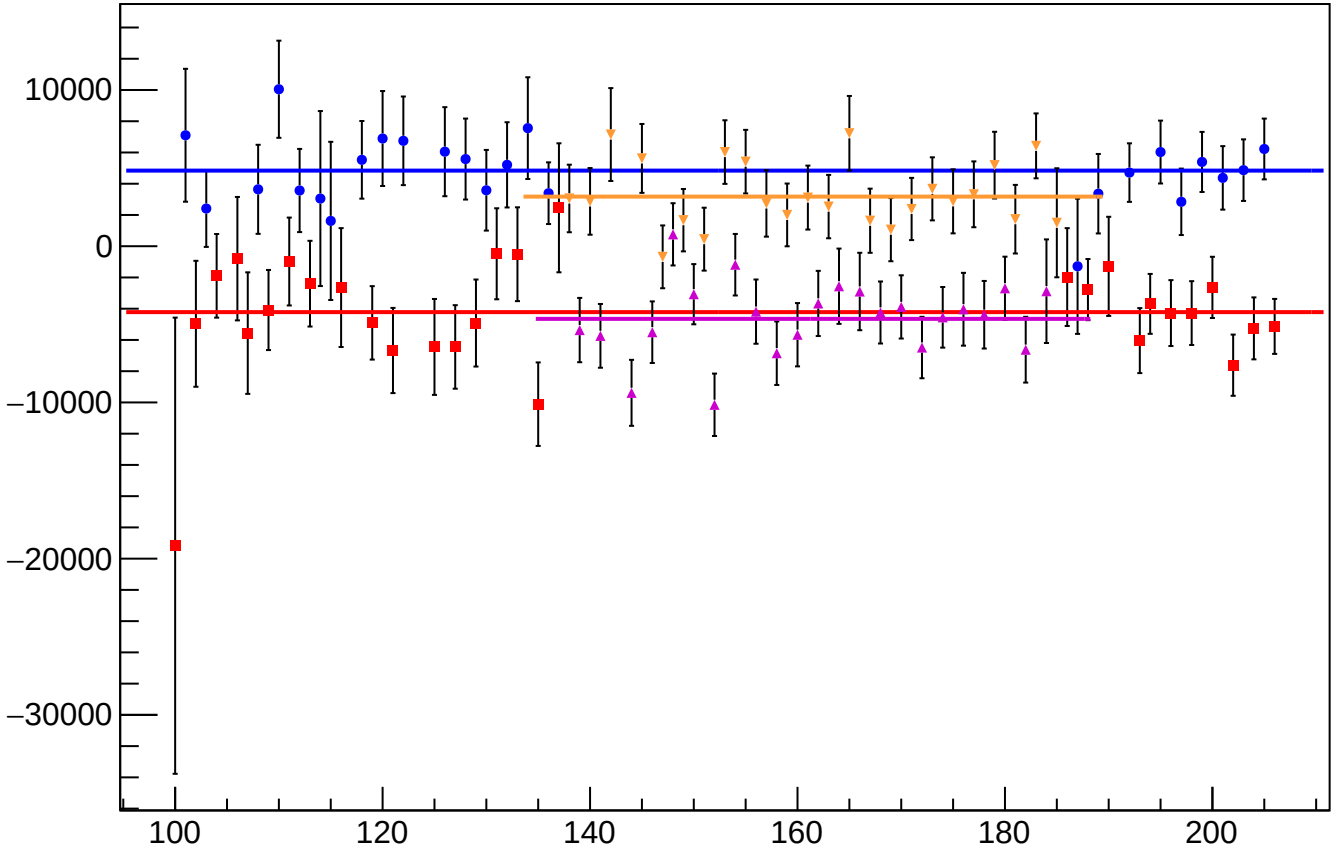
Left In: 6170.789+/-1.040 χ^2/NDF:1237564.5/22

+ sign 5789.699+/-0.748 χ^2/NDF: 4722069.3/48

All: 5748.781+/-0.521 χ^2/NDF: 10556897.2/1

- sign 5710.386+/-0.725 χ^2/NDF: 5829032.0/51

dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4839.614+/-502.753 χ^2/NDF: 11.9/24

Left Out: 3174.550+/-434.815 χ^2/NDF:21.6/23

Right Out: -4218.577+/-473.406 χ^2/NDF: 24.4/28

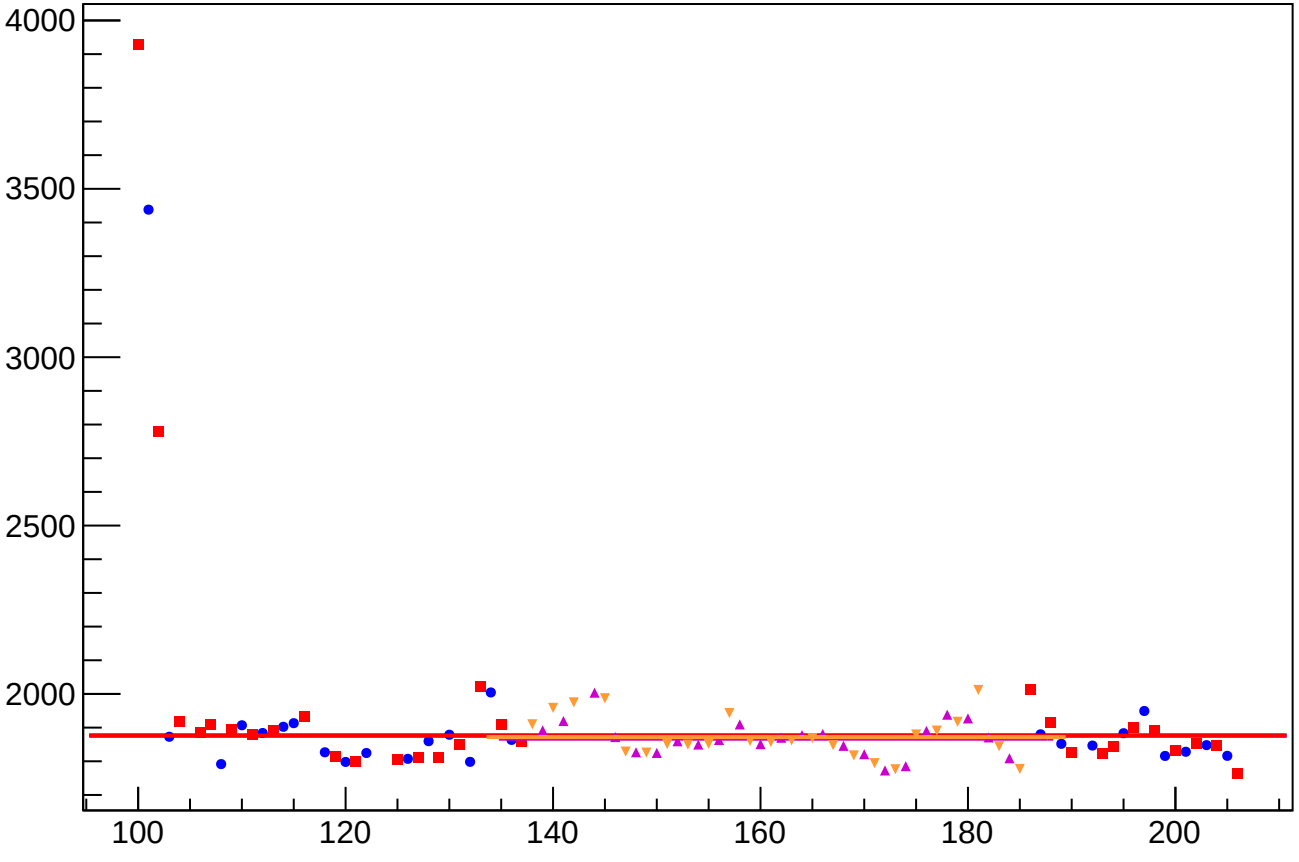
Left In: -4650.461+/-436.198 χ^2/NDF:30.5/22

+ sign 3887.058+/-328.878 χ^2/NDF: 39.8/48

All: -386.386+/-229.638 χ^2/NDF: 424.7/100

- sign -4452.156+/-320.787 χ^2/NDF: 55.4/51

dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1876.668+/-0.355 χ^2/NDF: 289151.4/24

Left Out: 1871.979+/-0.307 χ^2/NDF:37154.8/23

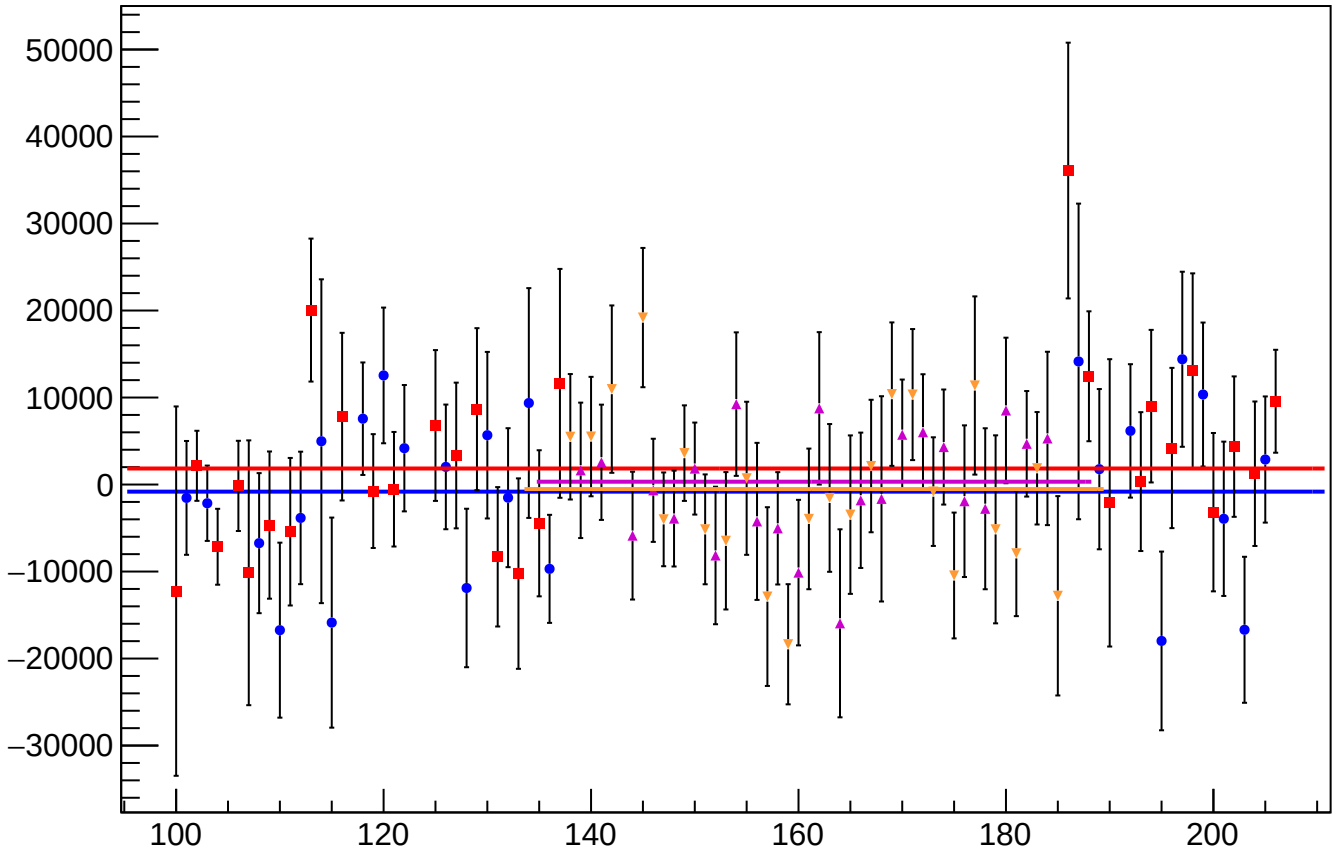
Right Out: 1876.220+/-0.335 χ^2/NDF: 170460.6/28

Left In: 1867.079+/-0.308 χ^2/NDF:27246.7/22

+ sign 1873.986+/-0.233 χ^2/NDF: 326405.7/48

All: 1872.598+/-0.162 χ^2/NDF: 524585.9/100

- sign 1871.278+/-0.227 χ^2/NDF: 198110.8/51



Right In: -815.805+/-1601.411 χ^2/NDF: 27.2/24

Left Out: -520.262+/-1536.784 χ^2/NDF:29.2/23

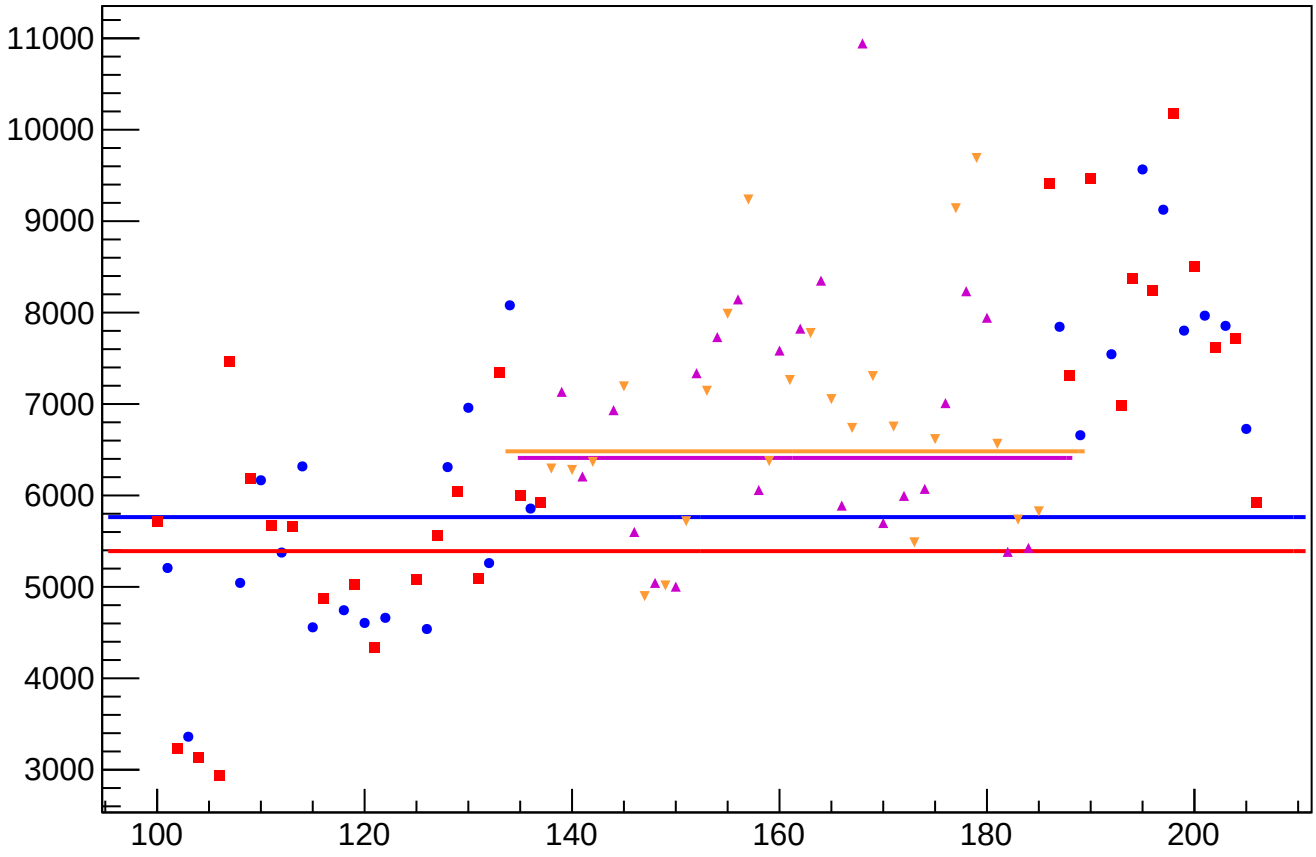
Right Out: 1843.914+/-1434.270 χ^2/NDF: 28.6/28

Left In: 324.625+/-1527.995 χ^2/NDF:13.4/22

+ sign -661.950+/-1108.814 χ^2/NDF: 56.5/48

All: 287.645+/-760.774 χ^2/NDF: 100.4/100

- sign 1132.291+/-1045.747 χ^2/NDF: 42.5/51



Right In: 5763.234+/-1.132 χ^2/NDF: 2038195.1/24

Left Out: 6482.730+/-1.087 χ^2/NDF:1074584.9/23

Right Out: 5391.117+/-1.014 χ^2/NDF: 3607200.6/28

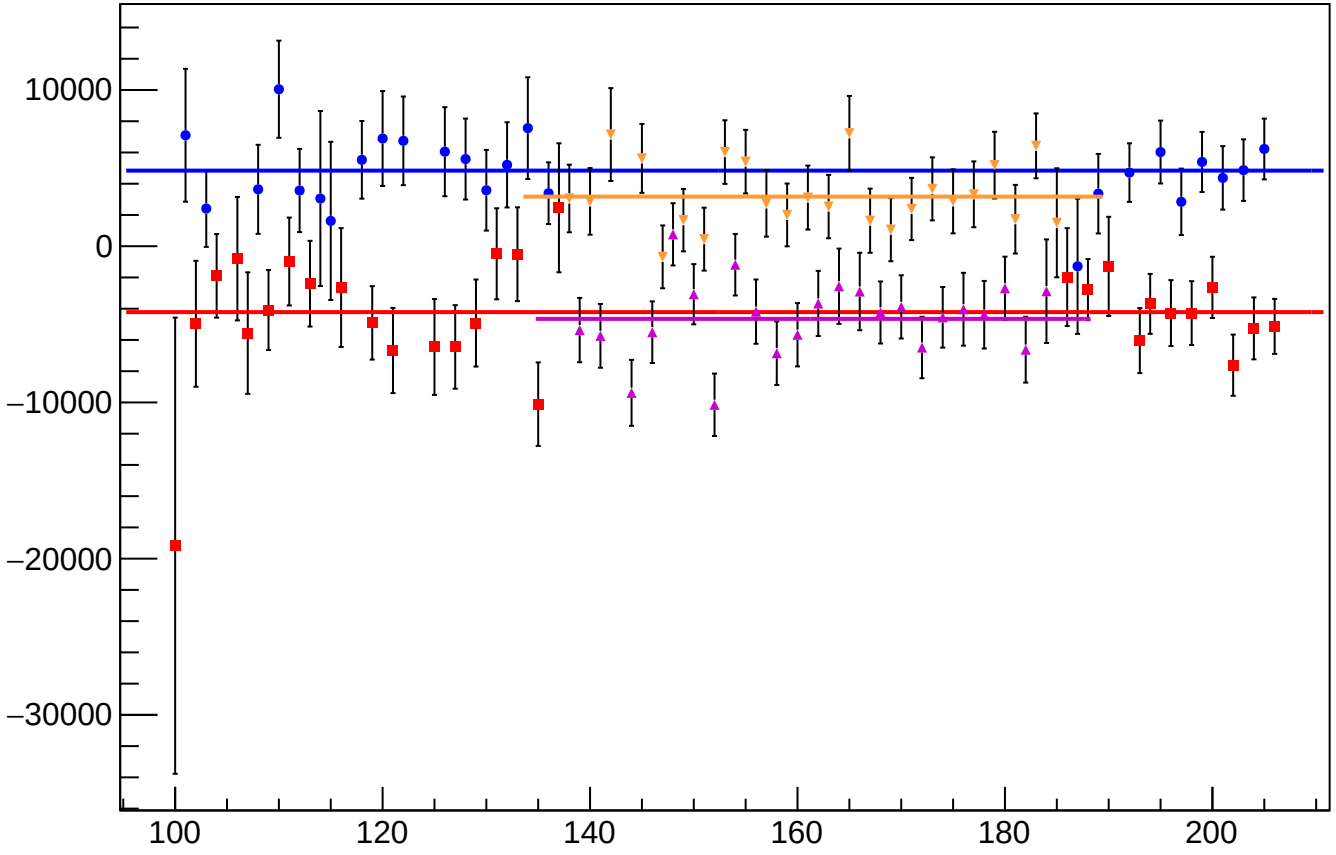
Left In: 6410.419+/-1.080 χ^2/NDF:1219830.0/22

+ sign 6137.793+/-0.784 χ^2/NDF: 3322950.7/48

All: 5995.297+/-0.538 χ^2/NDF: 8685524.4/10

- sign 5868.550+/-0.739 χ^2/NDF: 5300163.2/51

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 4839.610+/-502.753 χ^2/NDF: 11.9/24

Left Out: 3174.543+/-434.815 χ^2/NDF:21.6/23

Right Out: -4218.571+/-473.406 χ^2/NDF: 24.4/28

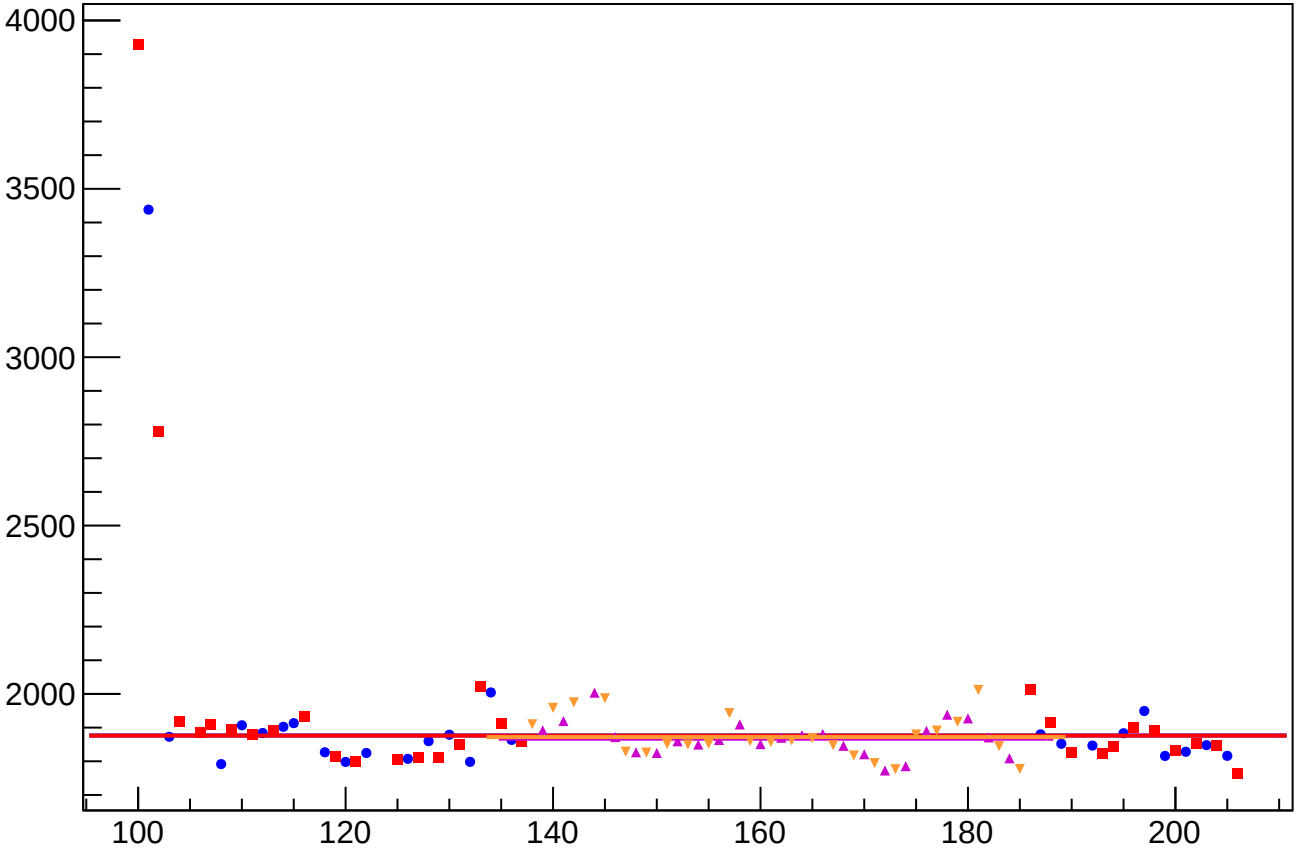
Left In: -4650.462+/-436.198 χ^2/NDF:30.5/22

+ sign 3887.053+/-328.878 χ^2/NDF: 39.8/48

All: -386.387+/-229.638 χ^2/NDF: 424.7/100

- sign -4452.154+/-320.787 χ^2/NDF: 55.4/51

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 1876.667+/-0.355 χ^2/NDF: 289151.6/24

Left Out: 1871.981+/-0.307 χ^2/NDF:37155.9/23

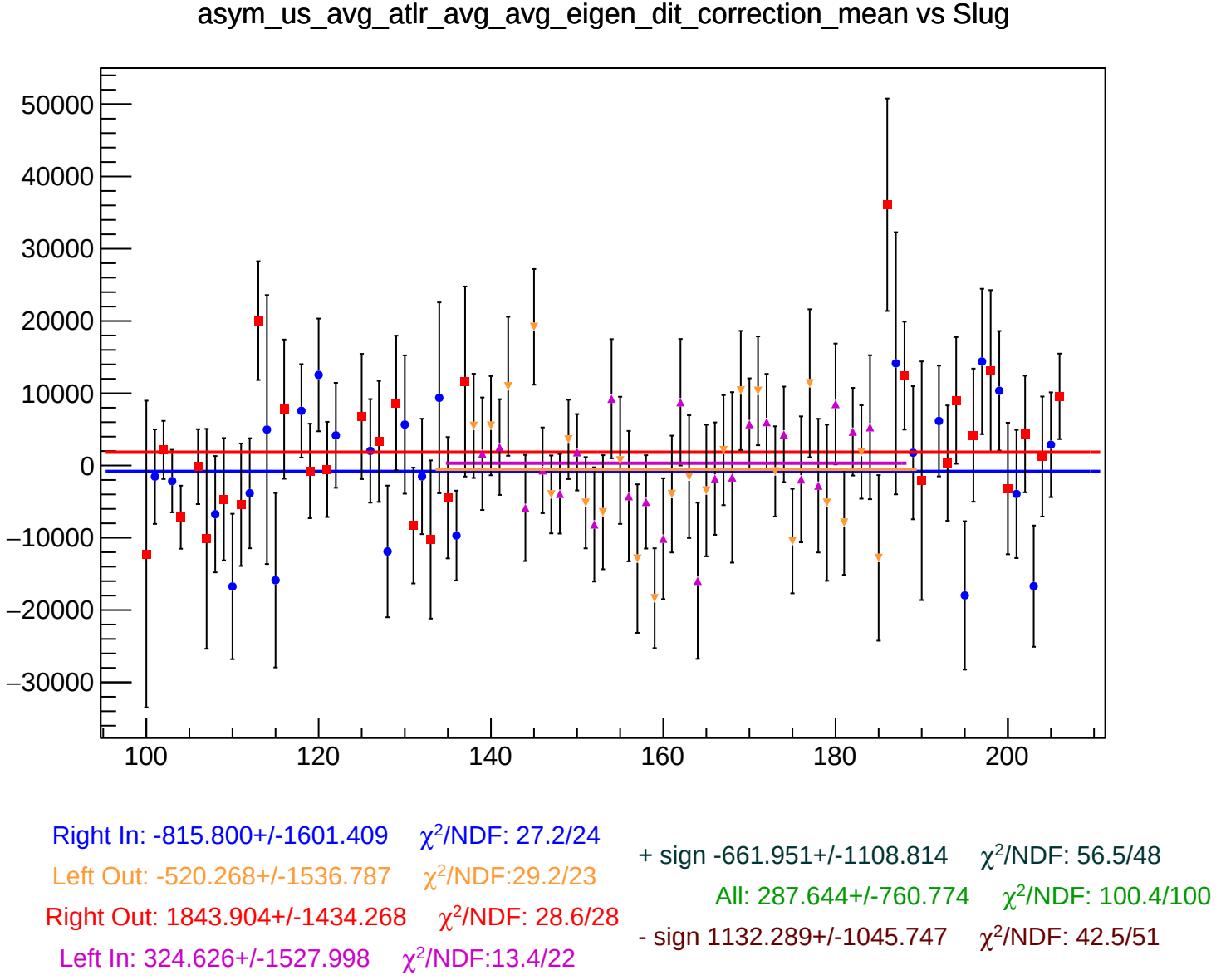
Right Out: 1876.220+/-0.335 χ^2/NDF: 170459.7/28

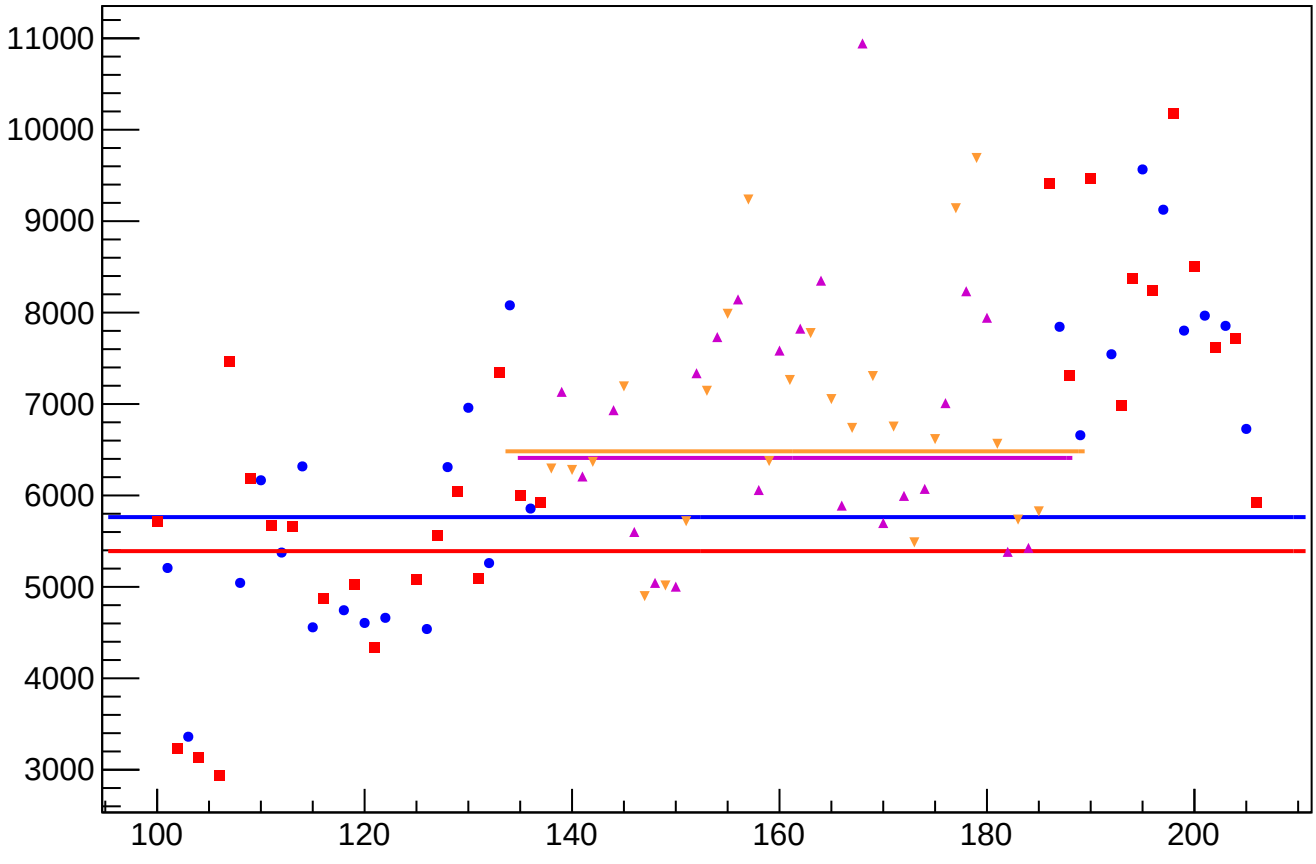
Left In: 1867.080+/-0.308 χ^2/NDF:27247.8/22

+ sign 1873.986+/-0.233 χ^2/NDF: 326406.9/48

All: 1872.599+/-0.162 χ^2/NDF: 524587.3/100

- sign 1871.279+/-0.227 χ^2/NDF: 198110.9/51


asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
100
120
140
160
180
200
Right In: -815.800+/-1601.409 χ²/NDF: 27.2/24
Left Out: -520.268+/-1536.787 χ²/NDF:29.2/23
Right Out: 1843.904+/-1434.268 χ²/NDF: 28.6/28
Left In: 324.626+/-1527.998 χ²/NDF:13.4/22
+ sign -661.951+/-1108.814 χ²/NDF: 56.5/48
All: 287.644+/-760.774 χ²/NDF: 100.4/100
- sign 1132.289+/-1045.747 χ²/NDF: 42.5/51



Right In: 5763.224+/-1.132 χ^2/NDF: 2038219.9/24

Left Out: 6482.740+/-1.087 χ^2/NDF:1074587.3/23

Right Out: 5391.108+/-1.014 χ^2/NDF: 3607226.8/28

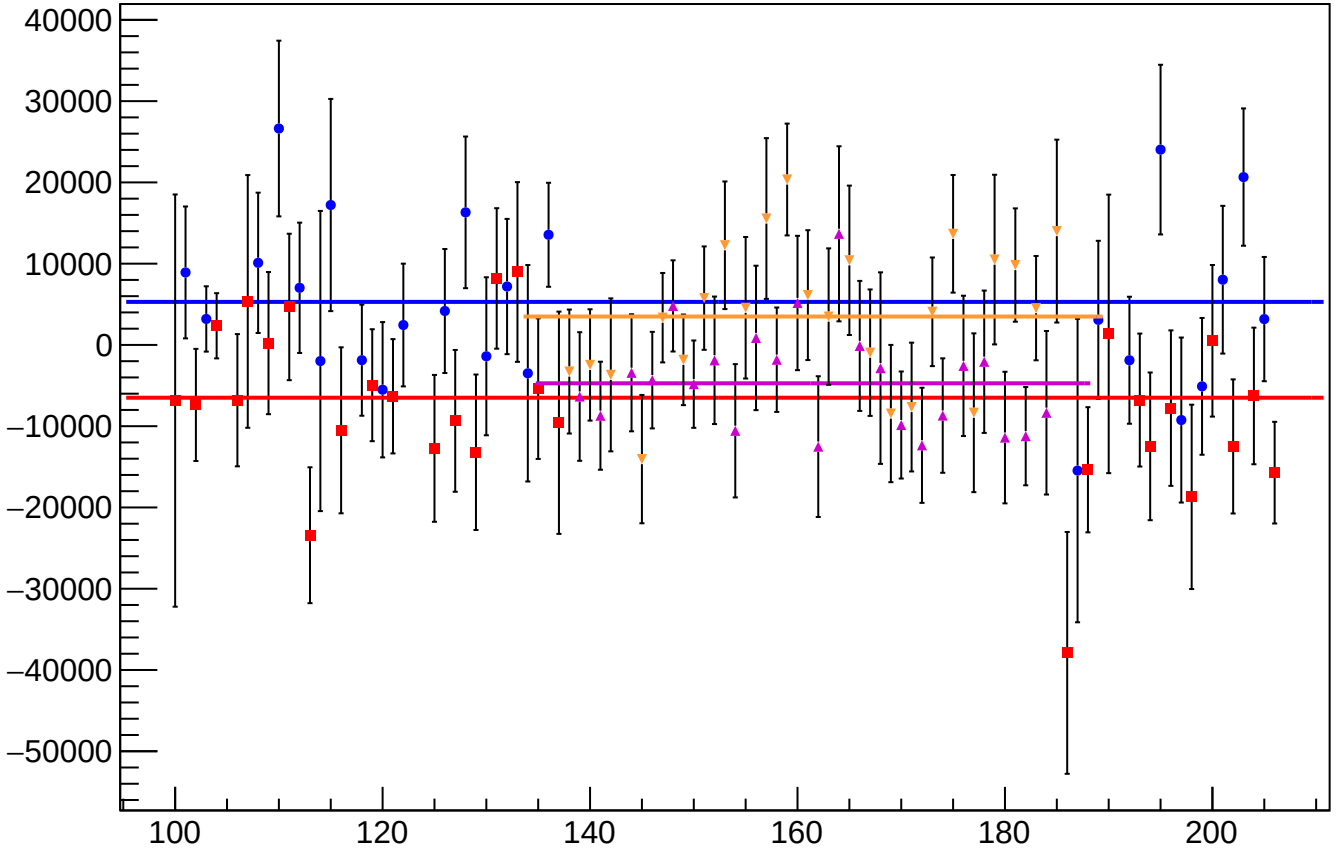
Left In: 6410.429+/-1.080 χ^2/NDF:1219833.0/22

+ sign 6137.792+/-0.784 χ^2/NDF: 3322990.1/48

All: 5995.296+/-0.538 χ^2/NDF: 8685612.2/10

- sign 5868.548+/-0.739 χ^2/NDF: 5300210.8/51

asym_us_avg_atlr_avg_avg_mean vs Slug



Right In: 5296.835+/-1651.754 χ^2/NDF: 25.1/24

Left Out: 3497.162+/-1545.839 χ^2/NDF:27.5/23

Right Out: -6495.481+/-1566.474 χ^2/NDF: 28.7/28

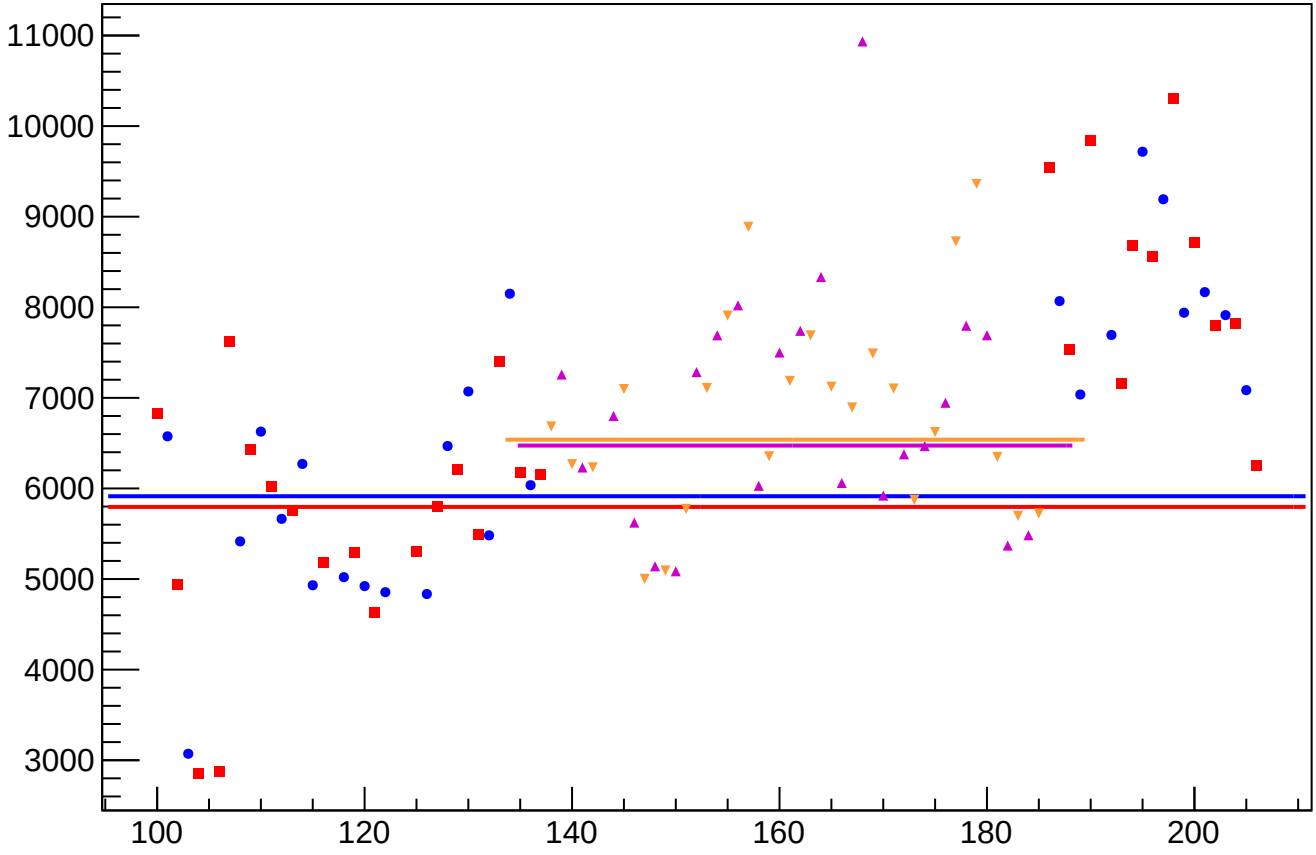
Left In: -4719.535+/-1539.177 χ^2/NDF:14.3/22

+ sign 4337.452+/-1128.660 χ^2/NDF: 53.2/48

All: -764.435+/-786.978 χ^2/NDF: 136.6/100

- sign -5591.899+/-1097.886 χ^2/NDF: 43.7/51

asym_us_avg_atlr_avg_avg_rms vs Slug



Right In: 5914.087+/-1.168 χ^2/NDF: 2311856.7/24

Left Out: 6538.706+/-1.093 χ^2/NDF:920612.0/23

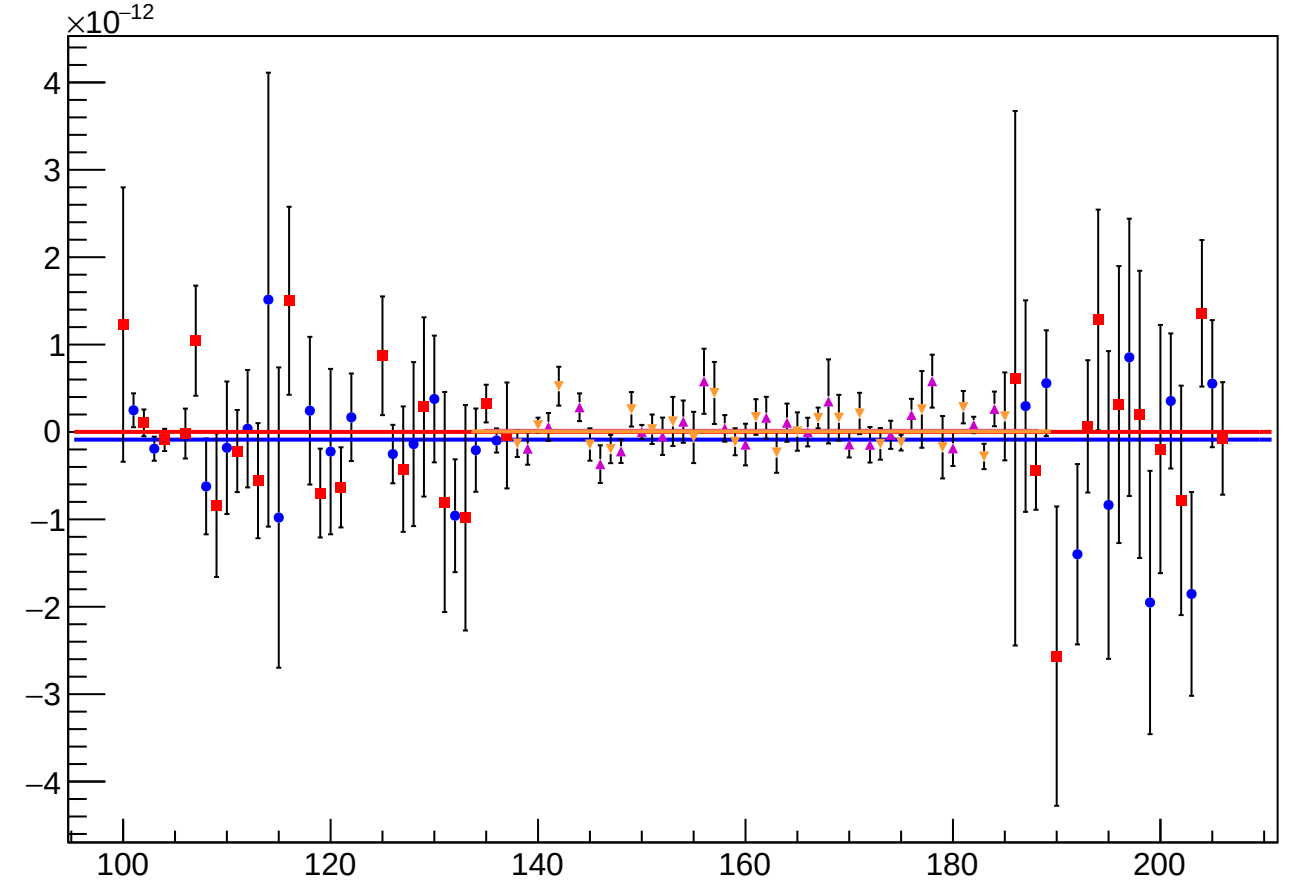
Right Out: 5796.021+/-1.093 χ^2/NDF: 3251704.5/28

Left In: 6473.481+/-1.088 χ^2/NDF:1071757.3/22

+ sign 6247.060+/-0.798 χ^2/NDF: 3384935.1/48

All: 6189.668+/-0.555 χ^2/NDF: 7911357.4/10

- sign 6136.090+/-0.771 χ^2/NDF: 4516423.2/51



Right In: -0.000+/-0.000 χ^2/NDF: 16.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.2/23

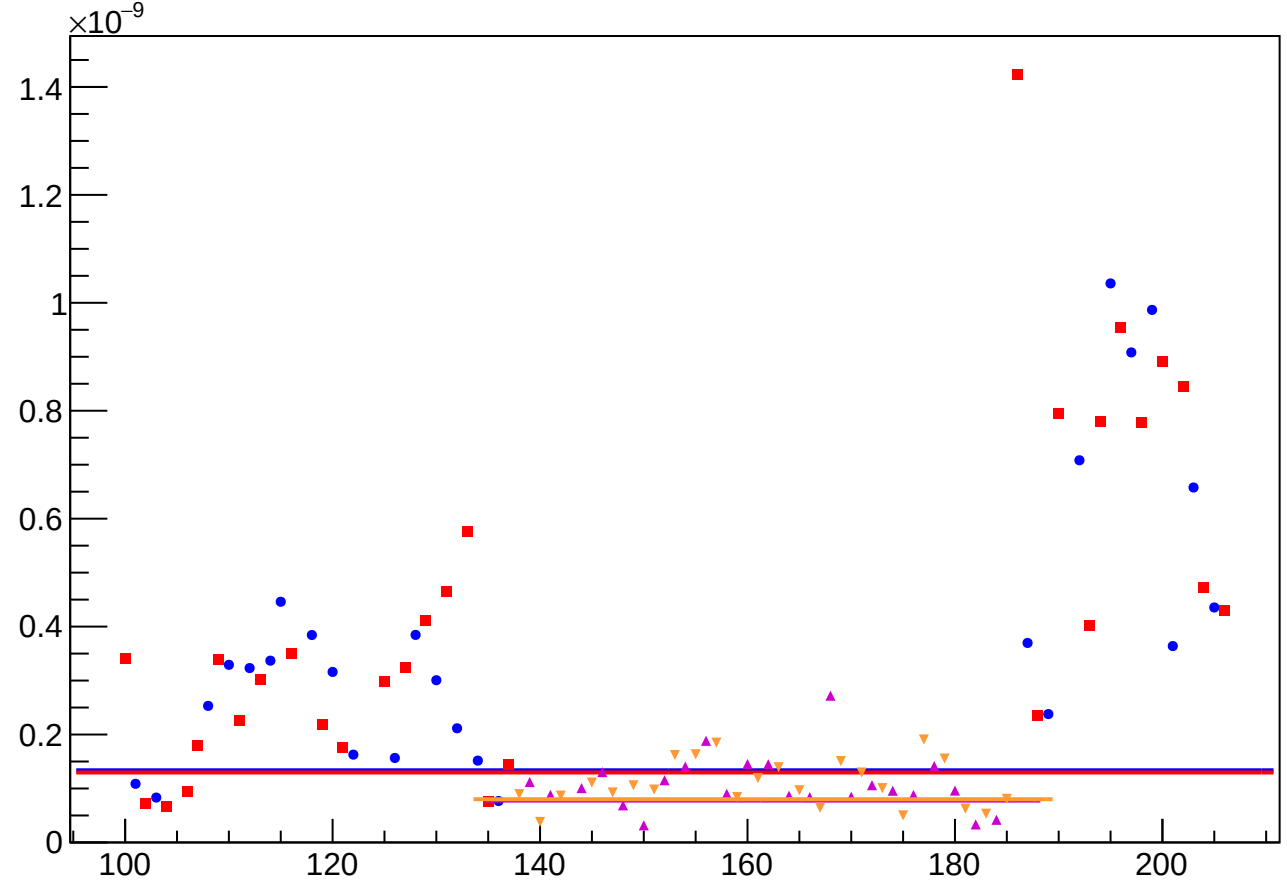
Right Out: 0.000+/-0.000 χ^2/NDF: 24.7/28

Left In: 0.000+/-0.000 χ^2/NDF:24.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 45.0/48

All: 0.000+/-0.000 χ^2/NDF: 93.9/100

- sign 0.000+/-0.000 χ^2/NDF: 48.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 4980369.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2153227.2/23

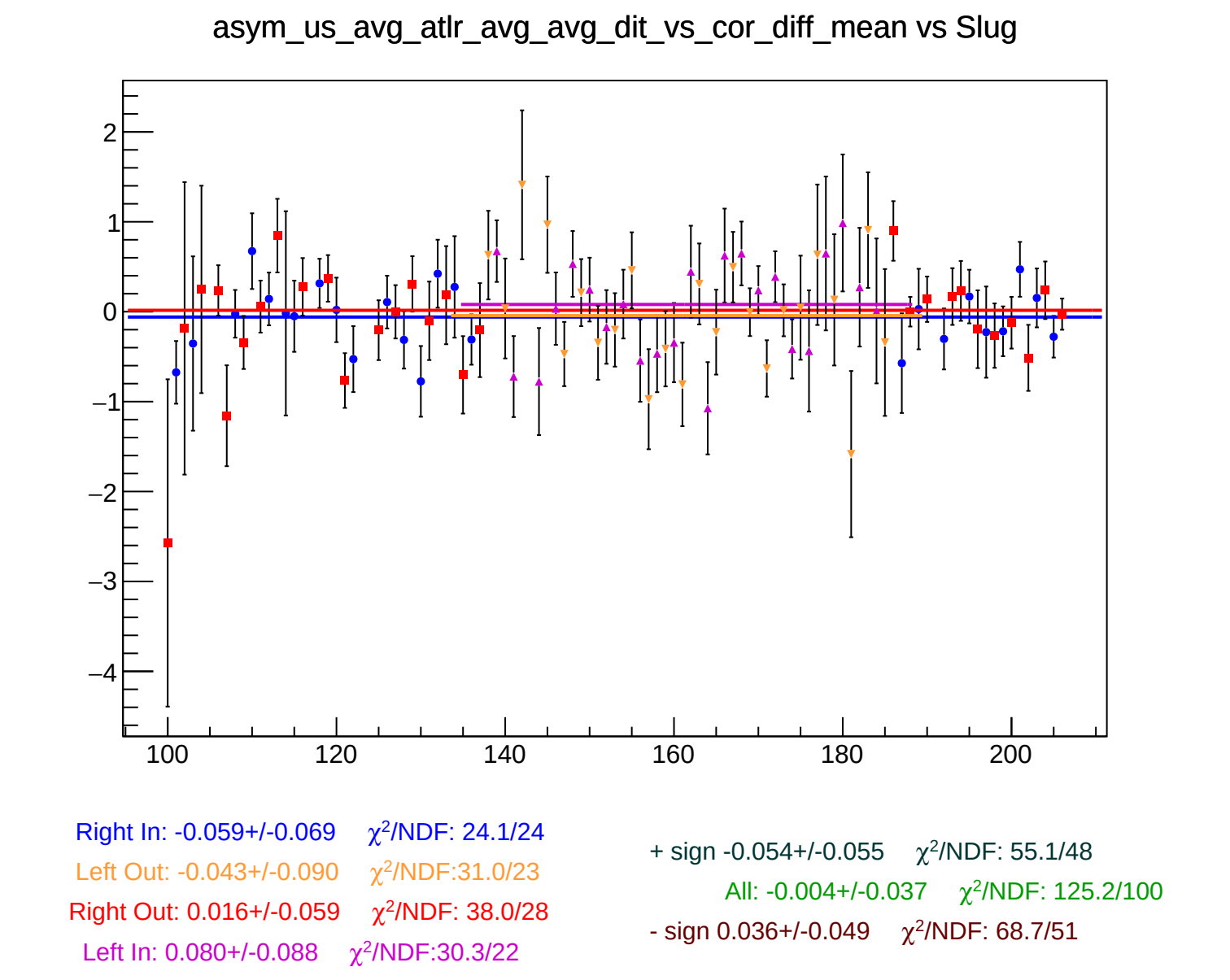
Right Out: 0.000+/-0.000 χ^2/NDF: 6662394.1/28

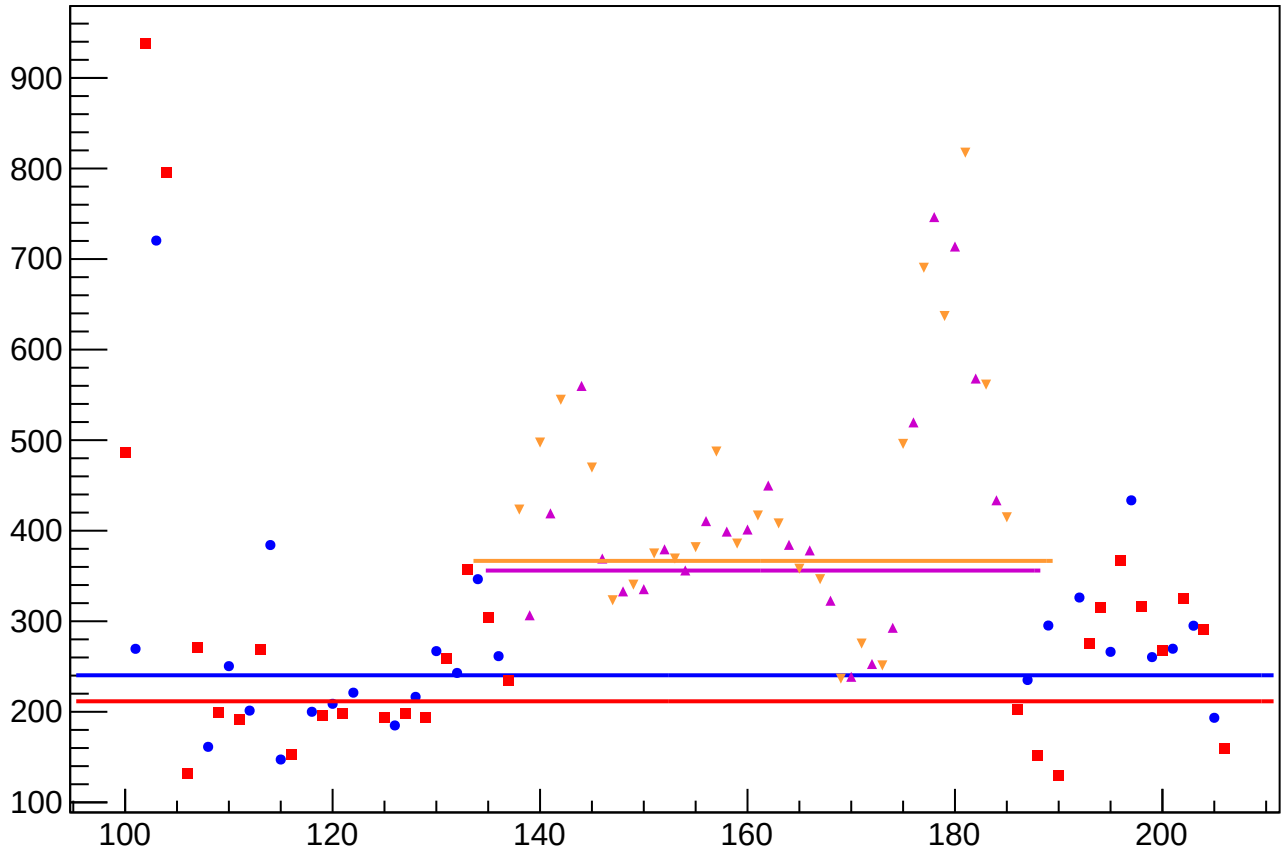
Left In: 0.000+/-0.000 χ^2/NDF:2642331.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 7961634.9/48

All: 0.000+/-0.000 χ^2/NDF: 18086301.9/100

- sign 0.000+/-0.000 χ^2/NDF: 10116607.6/51


asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs Slug
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.059+/-0.069 χ²/NDF: 24.1/24
Left Out: -0.043+/-0.090 χ²/NDF:31.0/23
Right Out: 0.016+/-0.059 χ²/NDF: 38.0/28
Left In: 0.080+/-0.088 χ²/NDF:30.3/22
+ sign -0.054+/-0.055 χ²/NDF: 55.1/48
All: -0.004+/-0.037 χ²/NDF: 125.2/100
- sign 0.036+/-0.049 χ²/NDF: 68.7/51



Right In: 240.338+/-0.049 χ^2/NDF: 1729920.1/24

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

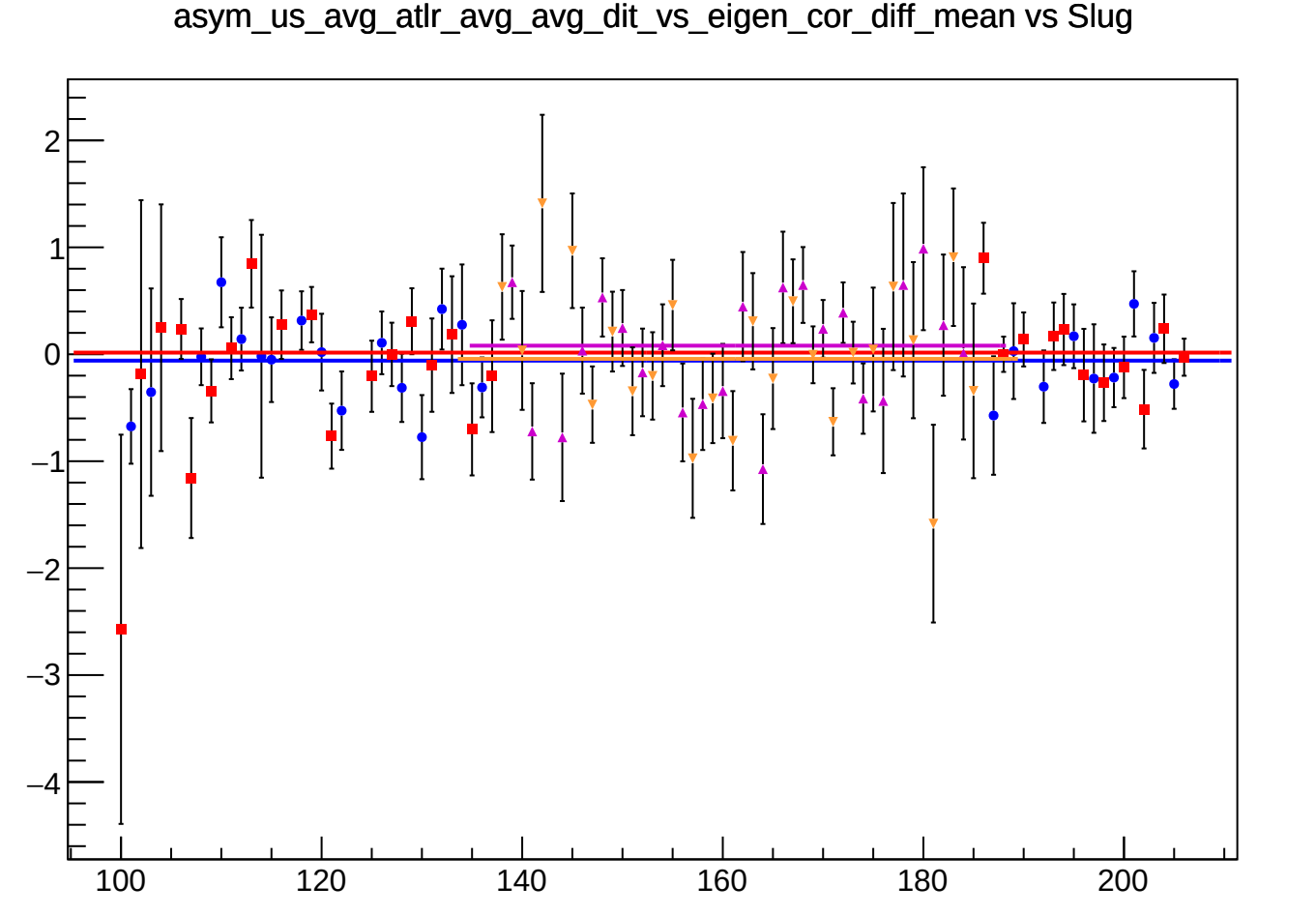
Right Out: 211.610+/-0.042 χ^2/NDF: 3302448.5/28

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 286.671+/-0.039 χ^2/NDF: 7041306.6/48

All: 269.940+/-0.026 χ^2/NDF: 16827229.3/10

- sign 256.567+/-0.035 χ^2/NDF: 9450229.0/51



Right In: -0.059+/-0.069 χ^2/NDF: 24.1/24

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

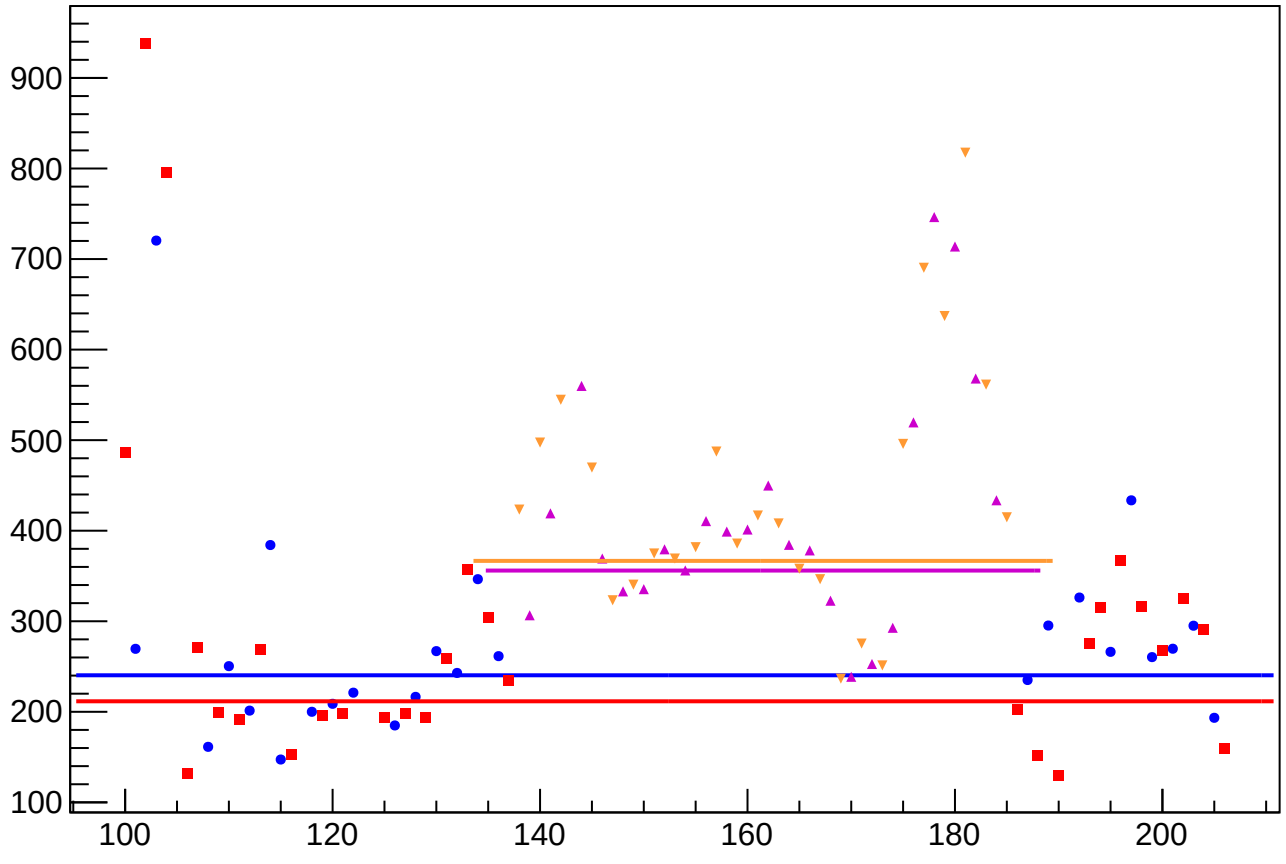
Right Out: 0.016+/-0.059 χ^2/NDF: 38.0/28

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.054+/-0.055 χ^2/NDF: 55.1/48

All: -0.004+/-0.037 χ^2/NDF: 125.2/100

- sign 0.036+/-0.049 χ^2/NDF: 68.7/51



Right In: 240.338+/-0.049 χ^2/NDF: 1729920.1/24

Left Out: 366.670+/-0.064 χ^2/NDF:2841071.8/23

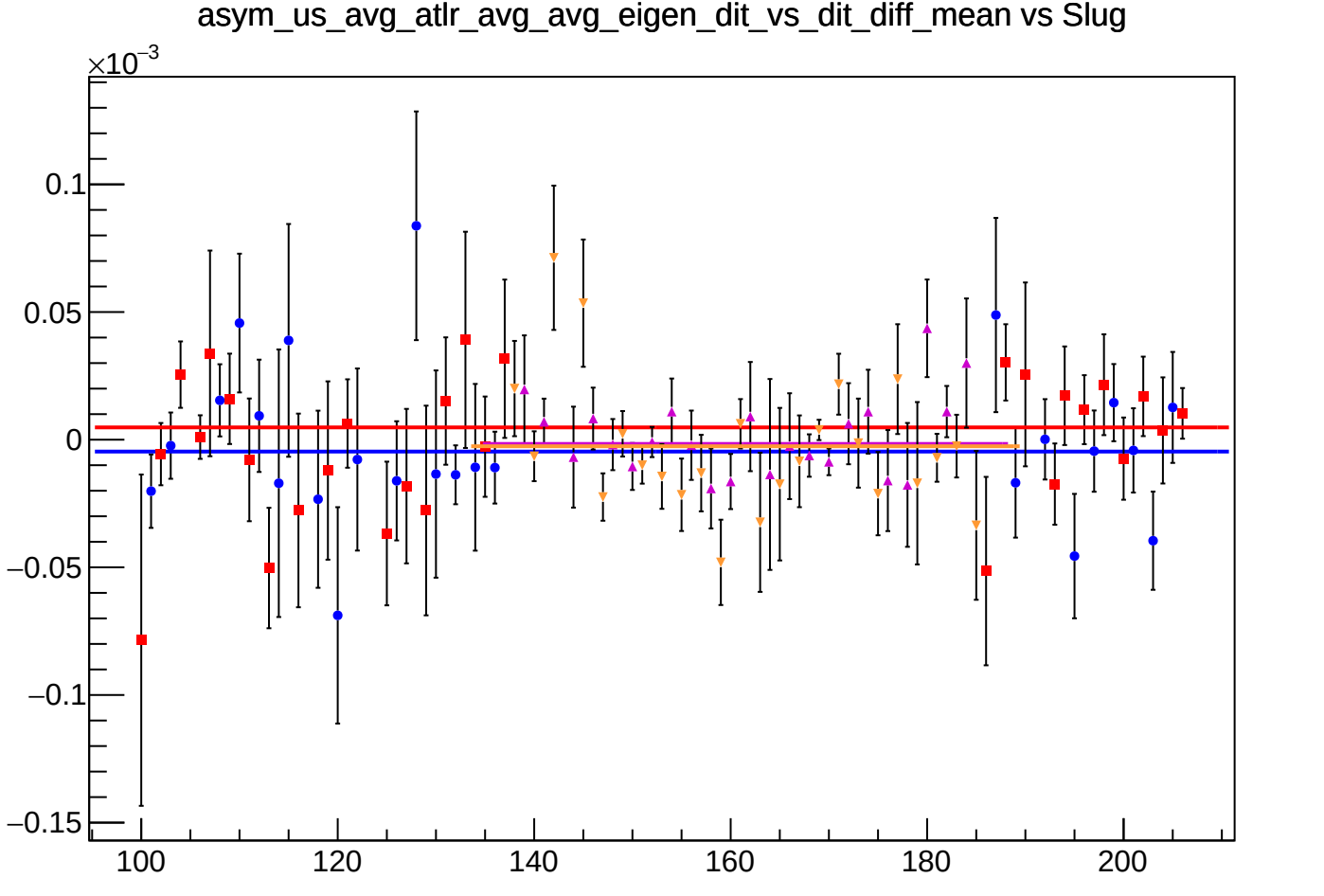
Right Out: 211.610+/-0.042 χ^2/NDF: 3302448.5/28

Left In: 355.992+/-0.062 χ^2/NDF:2420701.1/22

+ sign 286.671+/-0.039 χ^2/NDF: 7041306.6/48

All: 269.940+/-0.026 χ^2/NDF: 16827229.3/10

- sign 256.567+/-0.035 χ^2/NDF: 9450229.0/51



Right In: -0.000+/-0.000 χ^2/NDF: 26.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:43.5/23

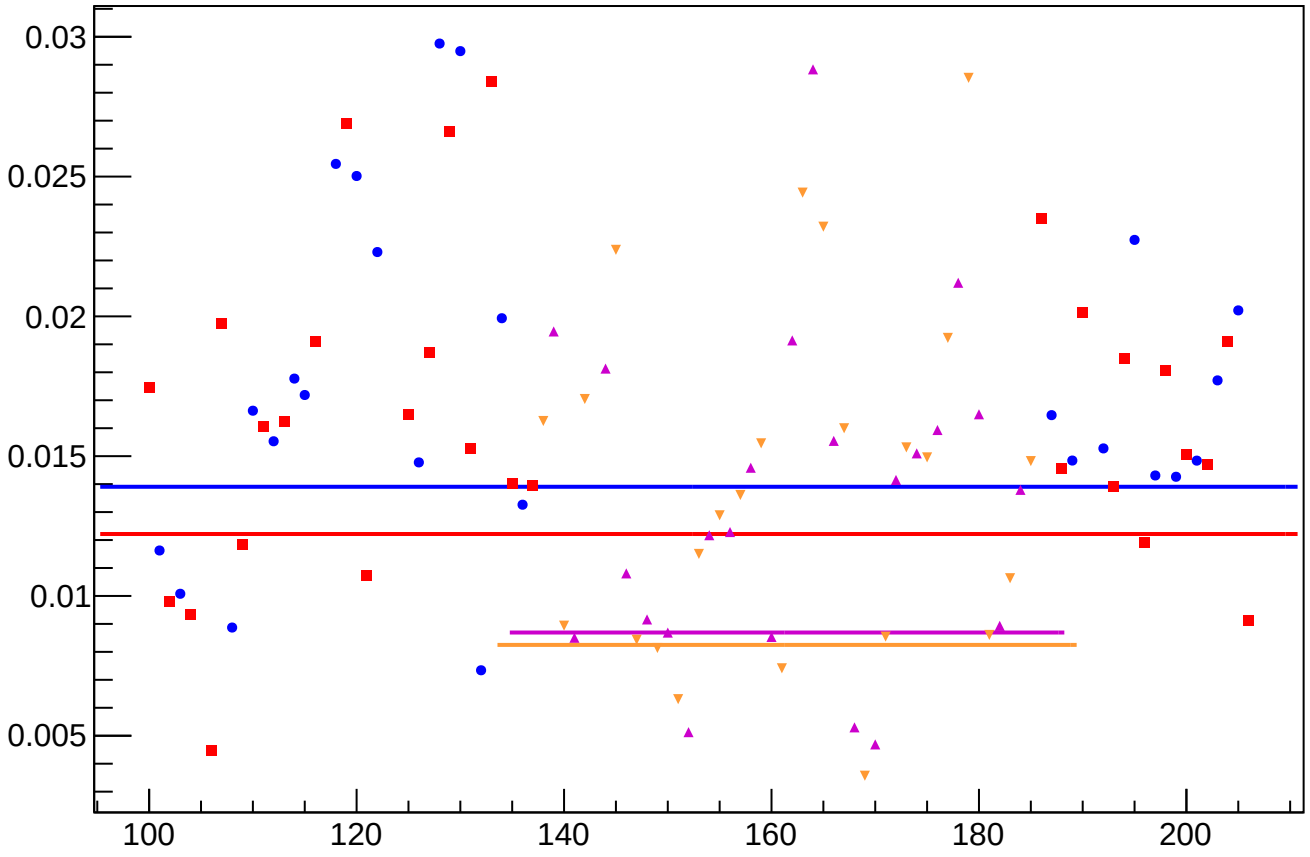
Right Out: 0.000+/-0.000 χ^2/NDF: 28.3/28

Left In: -0.000+/-0.000 χ^2/NDF:20.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.1/48

All: -0.000+/-0.000 χ^2/NDF: 123.2/100

- sign 0.000+/-0.000 χ^2/NDF: 51.4/51



Right In: 0.014+/-0.000 χ^2/NDF: 2814949.4/24

Left Out: 0.008+/-0.000 χ^2/NDF:8879581.2/23

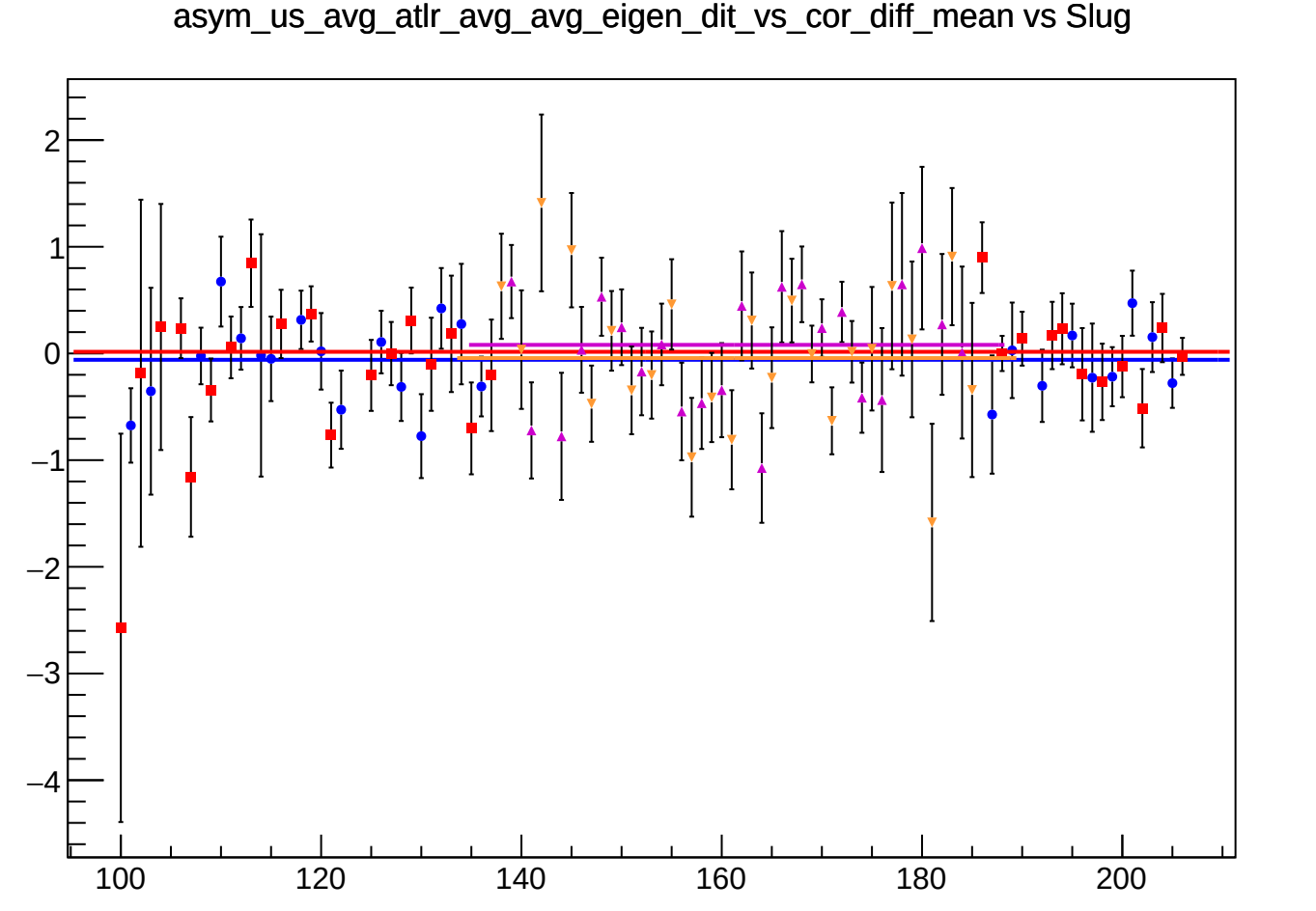
Right Out: 0.012+/-0.000 χ^2/NDF: 4448740.9/28

Left In: 0.009+/-0.000 χ^2/NDF:6875072.4/22

+ sign 0.010+/-0.000 χ^2/NDF: 14778509.1/48

All: 0.010+/-0.000 χ^2/NDF: 27590462.7/100

- sign 0.010+/-0.000 χ^2/NDF: 12801148.1/51



Right In: -0.059+/-0.069 χ^2/NDF: 24.1/24

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

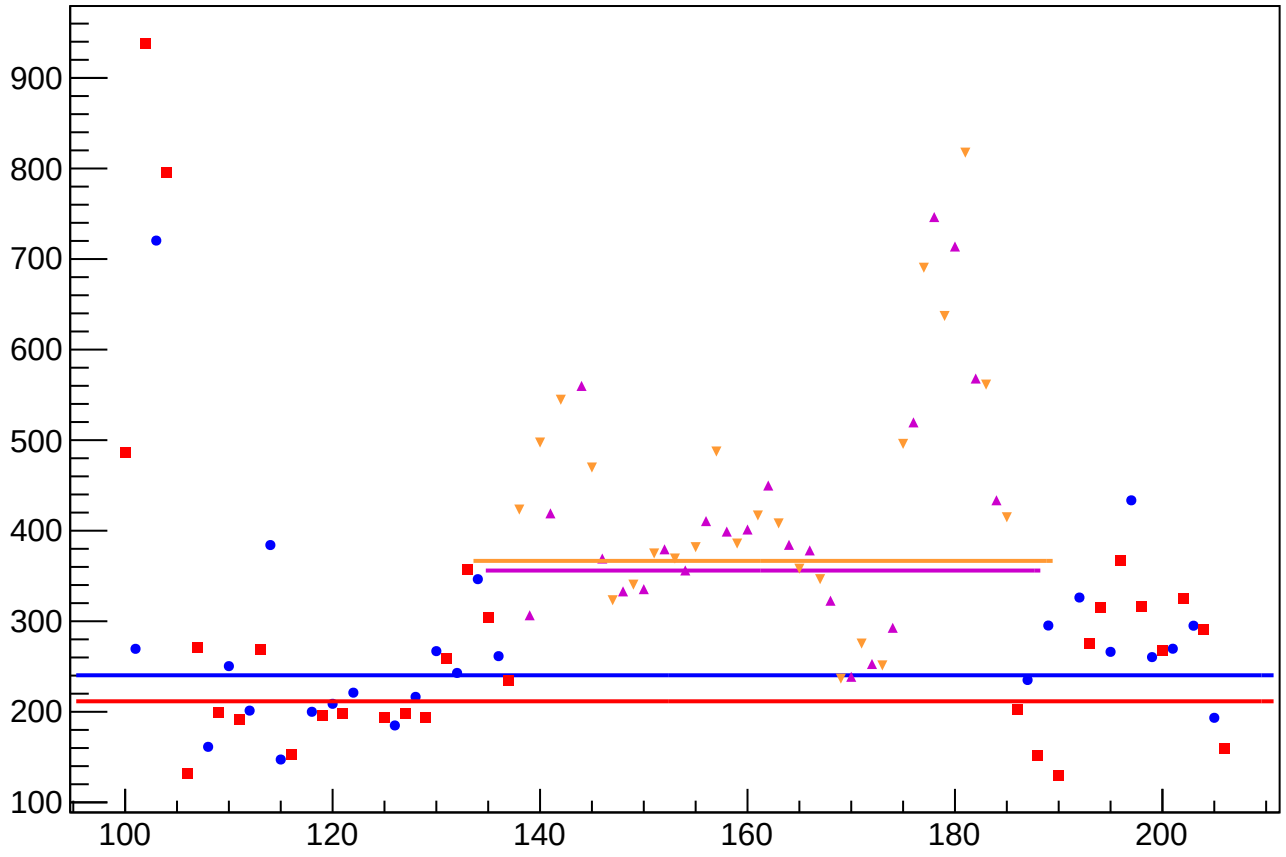
Right Out: 0.016+/-0.059 χ^2/NDF: 38.0/28

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.054+/-0.055 χ^2/NDF: 55.1/48

All: -0.004+/-0.037 χ^2/NDF: 125.2/100

- sign 0.036+/-0.049 χ^2/NDF: 68.7/51



Right In: 240.336+/-0.049 χ^2/NDF: 1729941.3/24

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

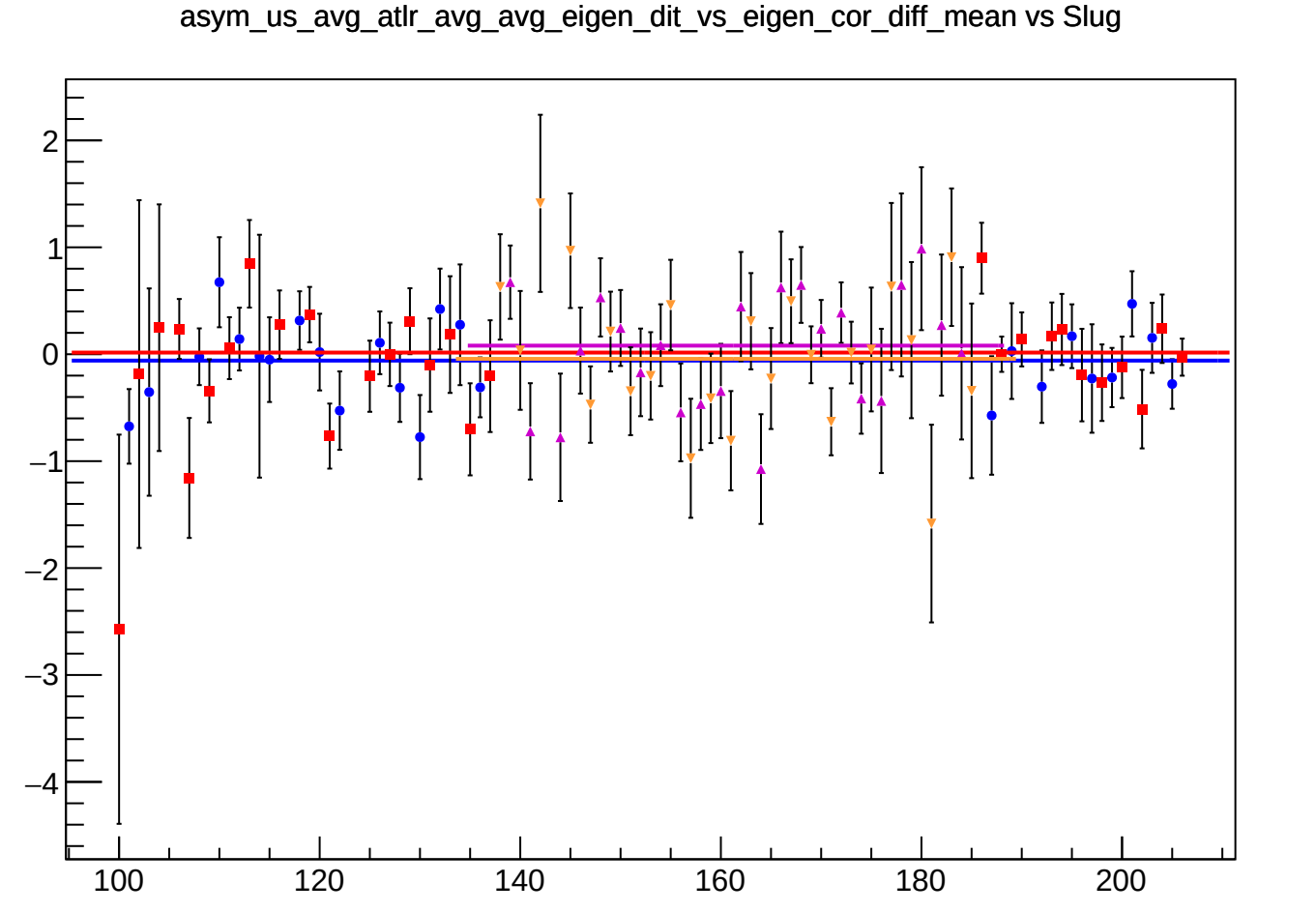
Right Out: 211.608+/-0.042 χ^2/NDF: 3302531.3/28

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 286.670+/-0.039 χ^2/NDF: 7041614.7/48

All: 269.938+/-0.026 χ^2/NDF: 16828031.0/10

- sign 256.564+/-0.035 χ^2/NDF: 9450692.1/51



Right In: -0.059+/-0.069 χ^2/NDF: 24.1/24

Left Out: -0.043+/-0.090 χ^2/NDF:31.0/23

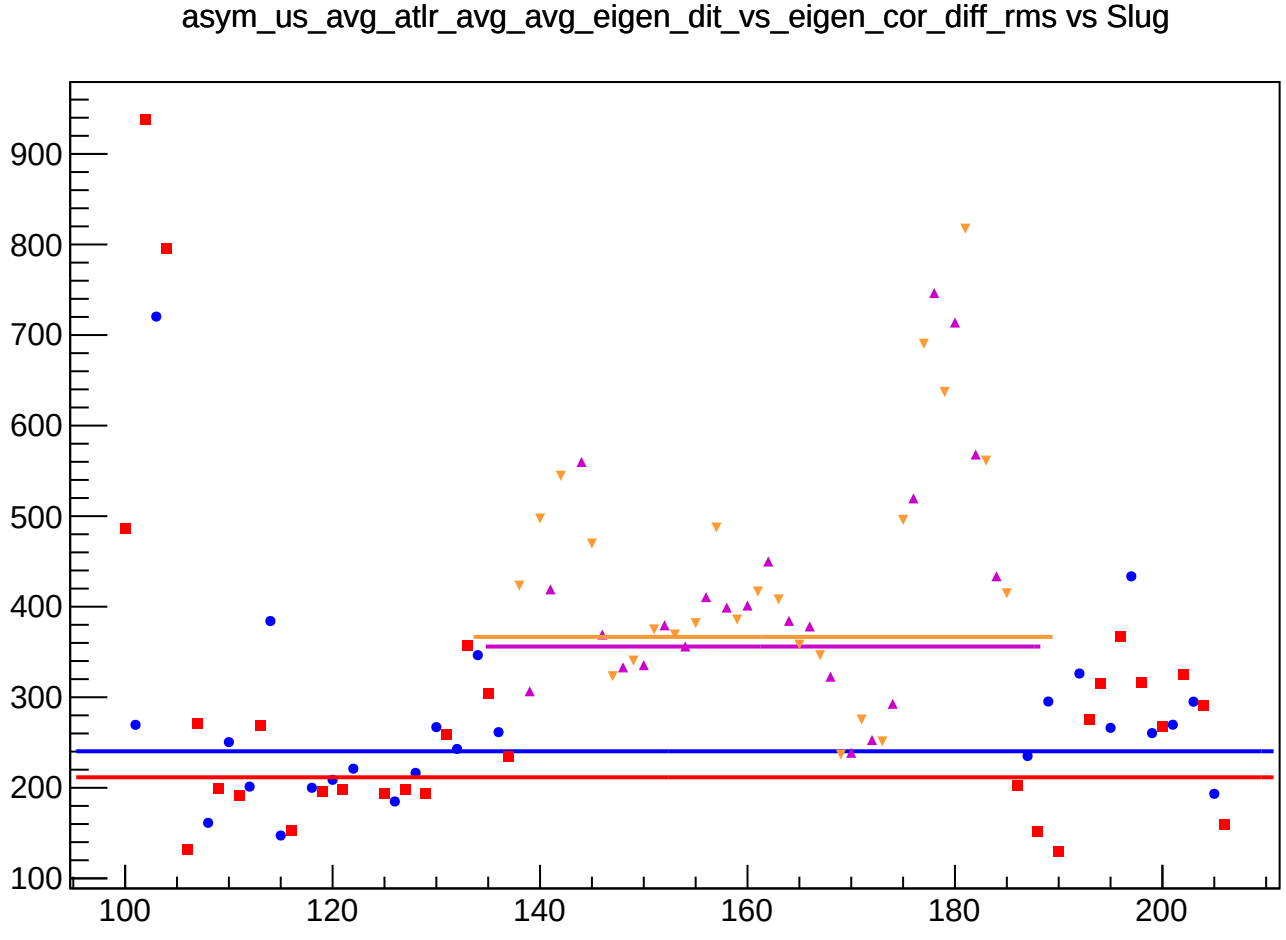
Right Out: 0.016+/-0.059 χ^2/NDF: 38.0/28

Left In: 0.080+/-0.088 χ^2/NDF:30.3/22

+ sign -0.054+/-0.055 χ^2/NDF: 55.1/48

All: -0.004+/-0.037 χ^2/NDF: 125.2/100

- sign 0.036+/-0.049 χ^2/NDF: 68.7/51



Right In: 240.336+/-0.049 χ^2/NDF: 1729941.3/24

Left Out: 366.671+/-0.064 χ^2/NDF:2841292.6/23

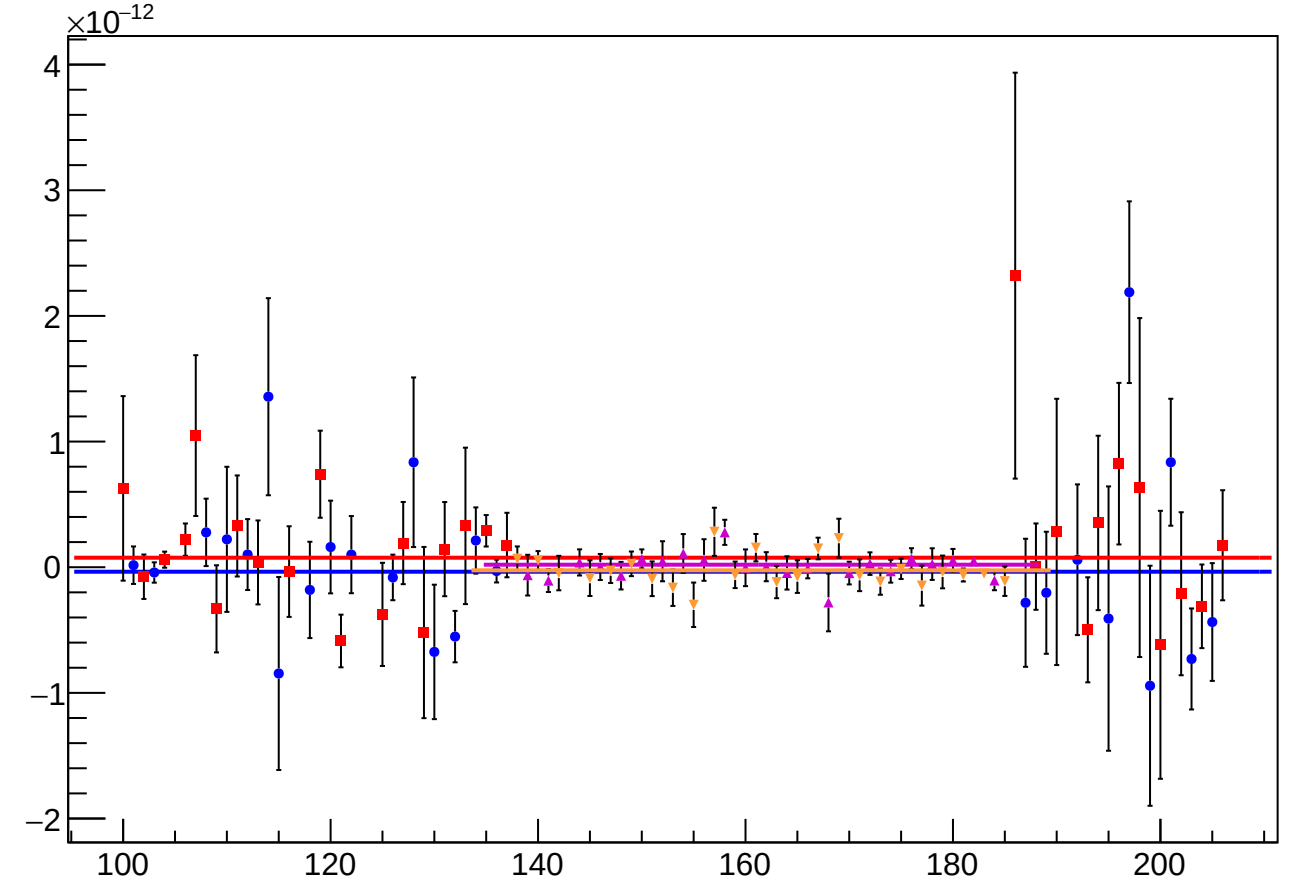
Right Out: 211.608+/-0.042 χ^2/NDF: 3302531.3/28

Left In: 355.993+/-0.062 χ^2/NDF:2420863.3/22

+ sign 286.670+/-0.039 χ^2/NDF: 7041614.7/48

All: 269.938+/-0.026 χ^2/NDF: 16828031.0/10

- sign 256.564+/-0.035 χ^2/NDF: 9450692.1/51



Right In: -0.000+/-0.000 χ^2/NDF: 34.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/23

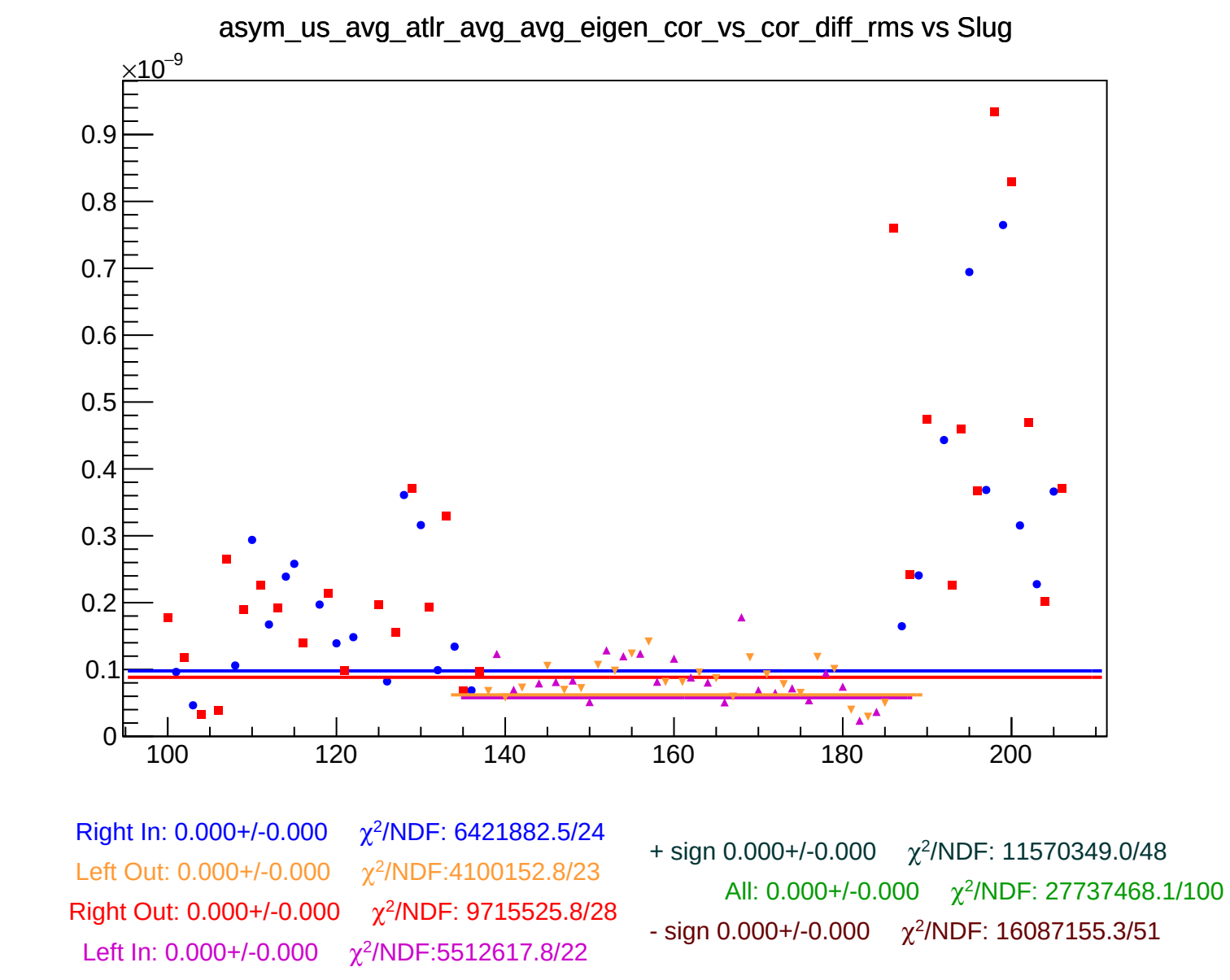
Right Out: 0.000+/-0.000 χ^2/NDF: 33.5/28

Left In: 0.000+/-0.000 χ^2/NDF:17.2/22

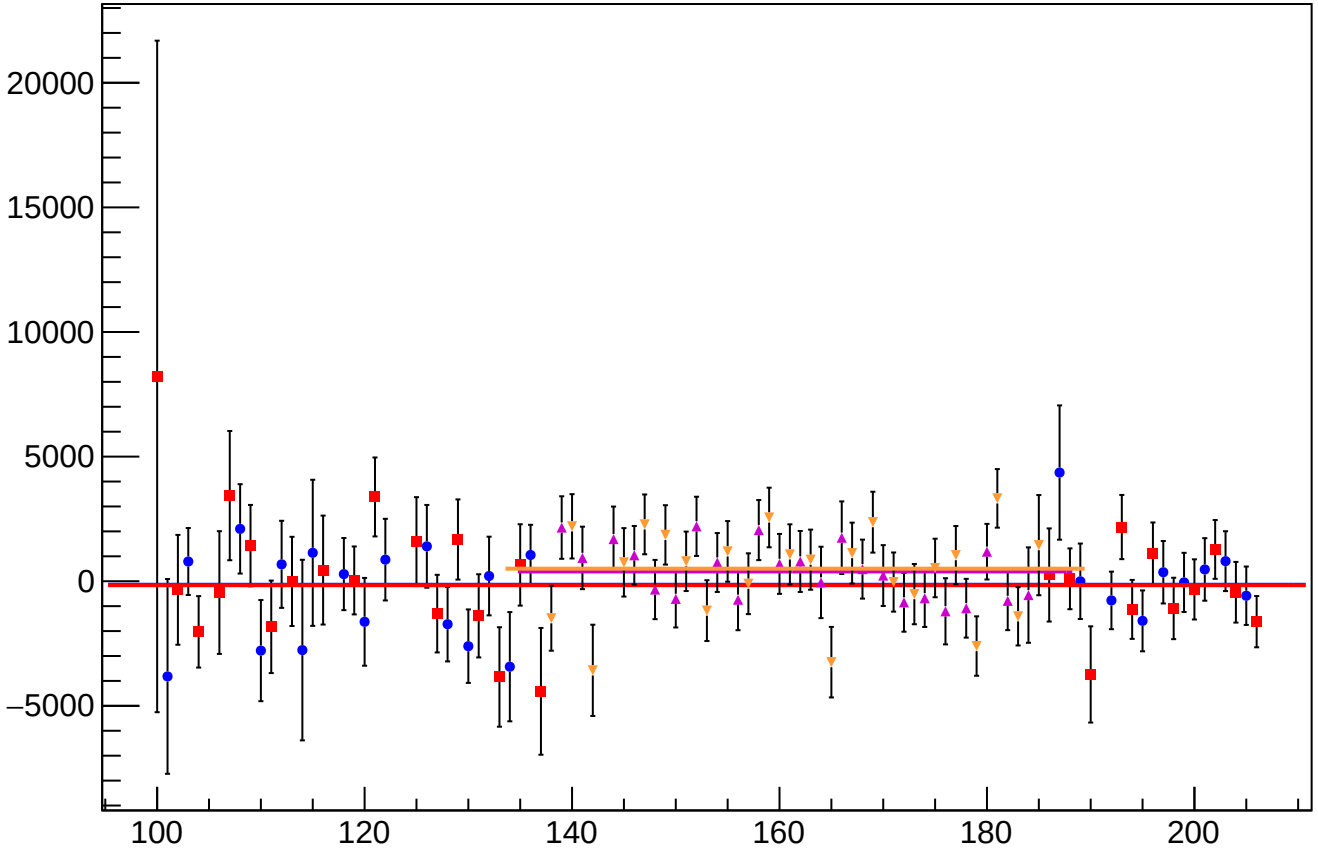
+ sign -0.000+/-0.000 χ^2/NDF: 56.7/48

All: 0.000+/-0.000 χ^2/NDF: 113.9/100

- sign 0.000+/-0.000 χ^2/NDF: 52.1/51


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
Right In: 0.000+/-0.000 χ²/NDF: 6421882.5/24
Left Out: 0.000+/-0.000 χ²/NDF:4100152.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 9715525.8/28
Left In: 0.000+/-0.000 χ²/NDF:5512617.8/22
+ sign 0.000+/-0.000 χ²/NDF: 11570349.0/48
All: 0.000+/-0.000 χ²/NDF: 27737468.1/100
- sign 0.000+/-0.000 χ²/NDF: 16087155.3/51

reg_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -142.593+/-303.903 χ^2/NDF: 20.5/24

Left Out: 503.606+/-255.531 χ^2/NDF:44.6/23

Right Out: -158.894+/-285.767 χ^2/NDF: 33.3/28

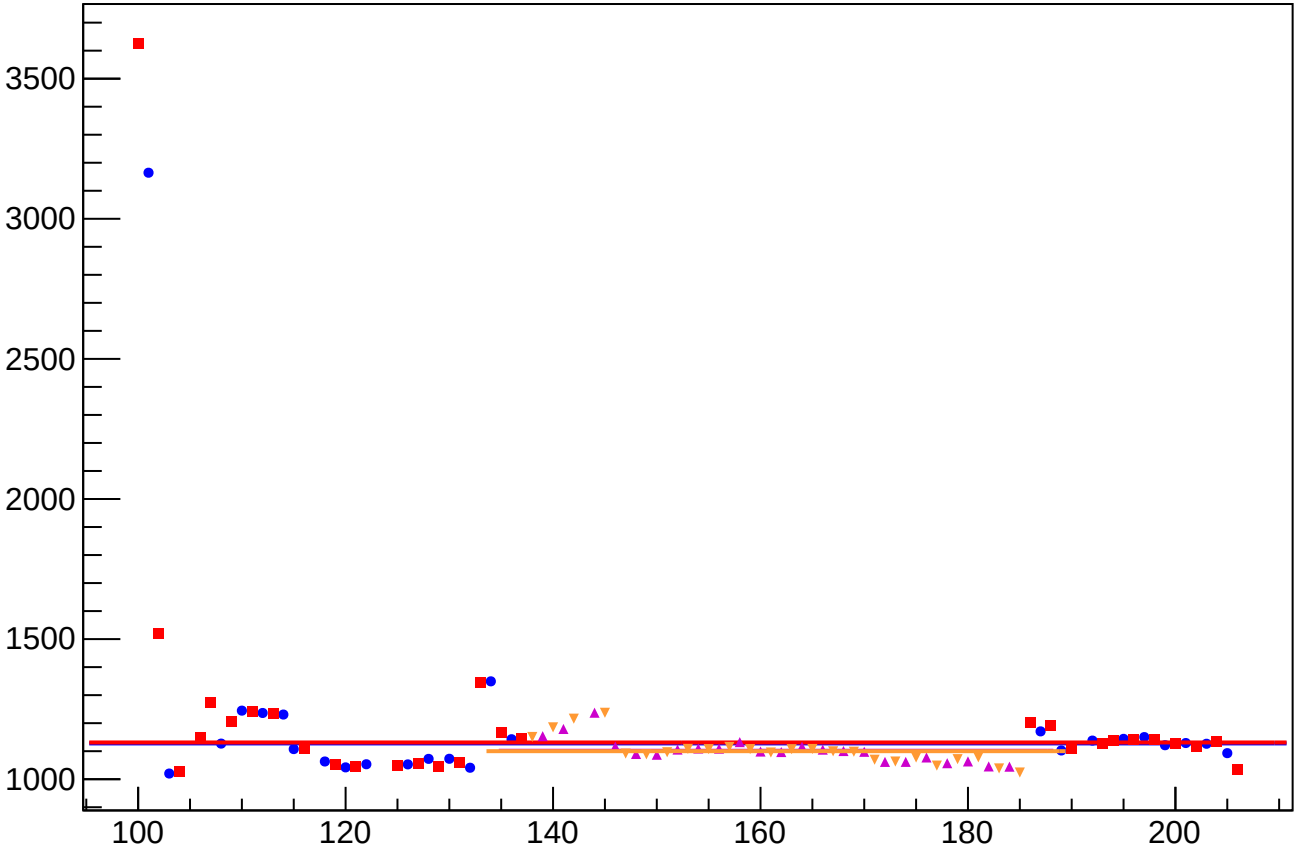
Left In: 391.701+/-257.386 χ^2/NDF:17.8/22

+ sign 235.966+/-195.581 χ^2/NDF: 67.7/48

All: 189.513+/-136.739 χ^2/NDF: 121.0/100

- sign 145.095+/-191.248 χ^2/NDF: 53.2/51

reg_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.682+/-0.215 χ^2/NDF: 625438.8/24

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

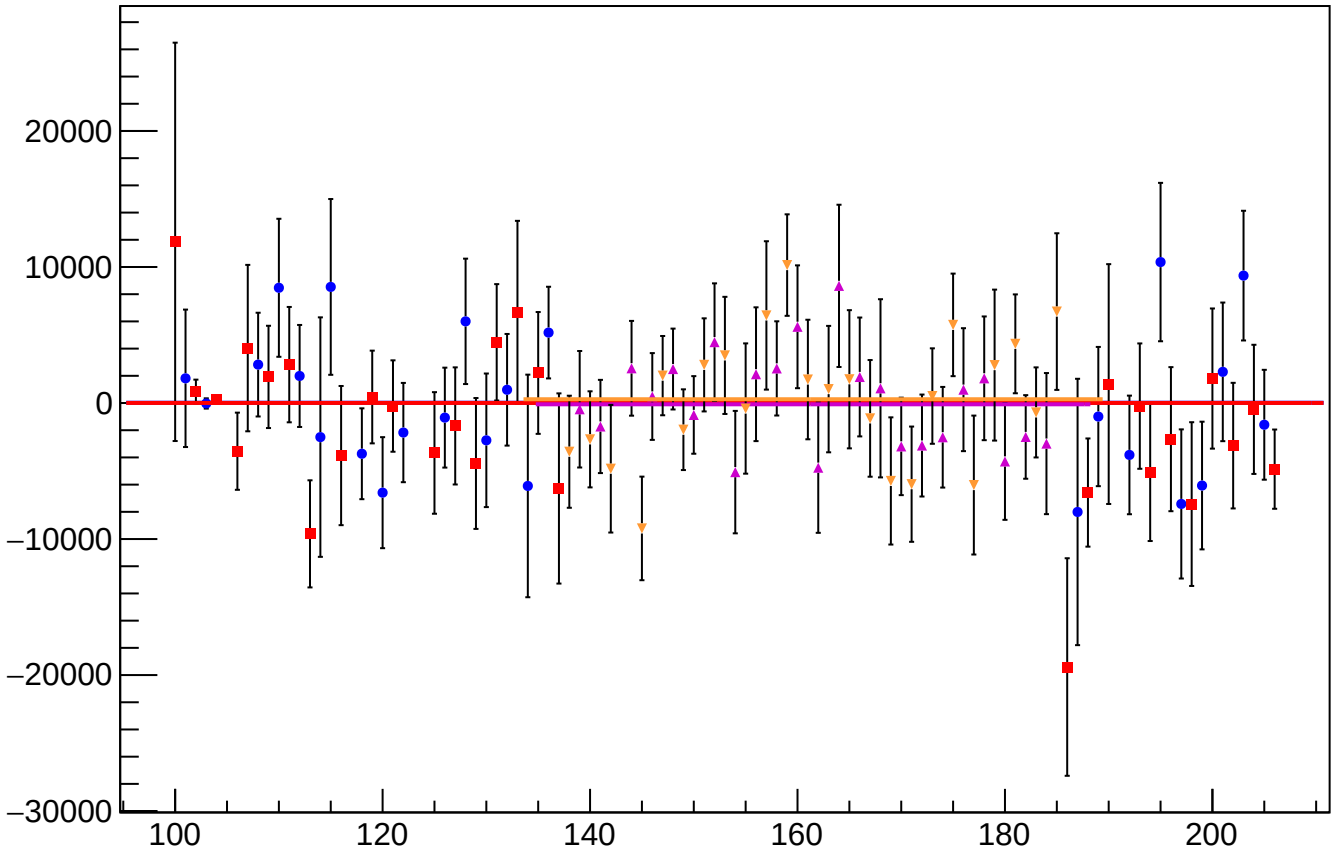
Right Out: 1131.138+/-0.202 χ^2/NDF: 247318.9/28

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1111.502+/-0.138 χ^2/NDF: 693849.4/48

All: 1113.190+/-0.097 χ^2/NDF: 1005469.4/10

- sign 1114.803+/-0.135 χ^2/NDF: 311328.8/51



Right In: 19.928+/-349.836 χ^2/NDF: 27.2/24

Left Out: 277.507+/-820.501 χ^2/NDF:29.9/23

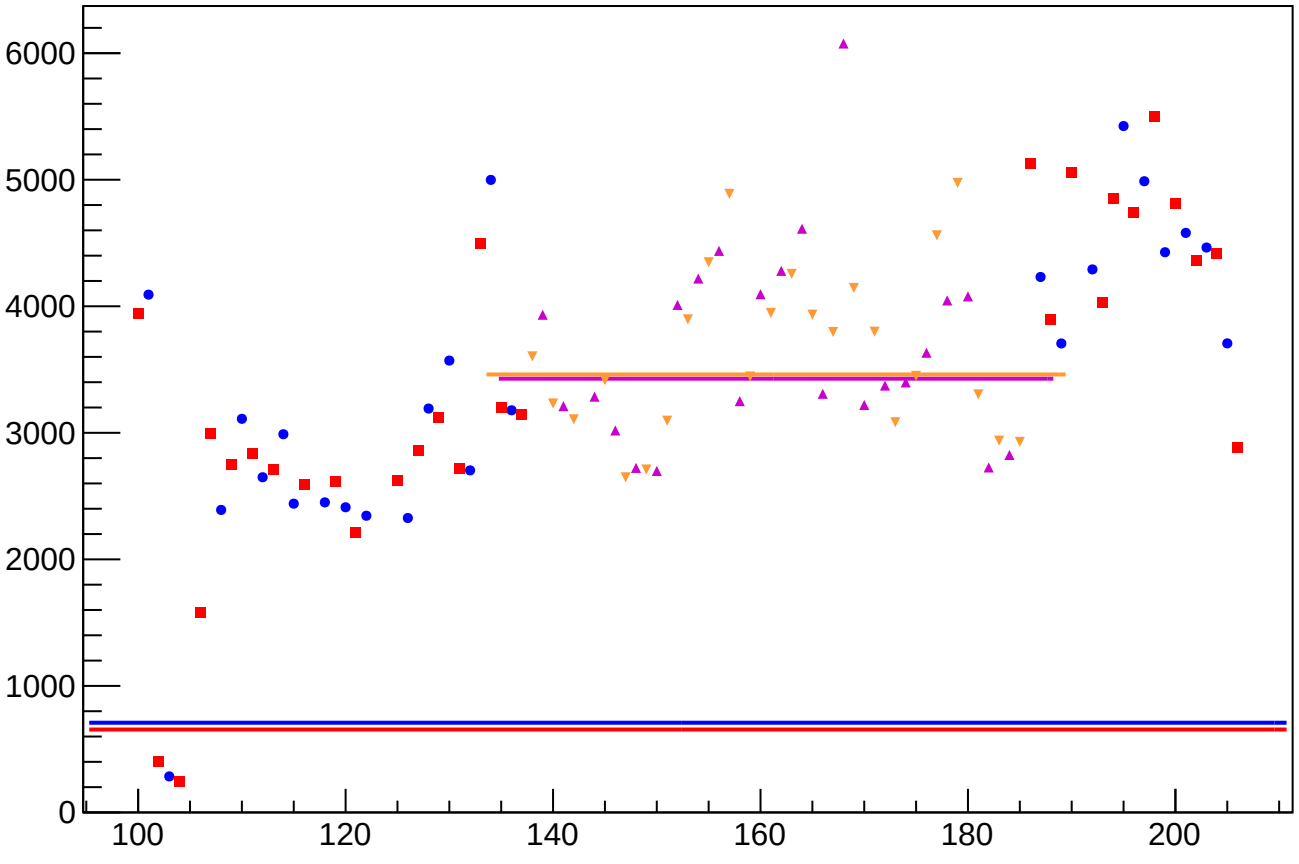
Right Out: 5.457+/-314.659 χ^2/NDF: 30.8/28

Left In: -94.734+/-817.223 χ^2/NDF:13.7/22

+ sign 59.550+/-321.806 χ^2/NDF: 57.2/48

All: 22.975+/-216.912 χ^2/NDF: 101.7/100

- sign -7.479+/-293.644 χ^2/NDF: 44.5/51



Right In: 709.082+/-0.247 χ^2/NDF: 19684237.2/24

Left Out: 3461.259+/-0.580 χ^2/NDF:1058687.1/23

Right Out: 655.380+/-0.222 χ^2/NDF: 22178758.1/28

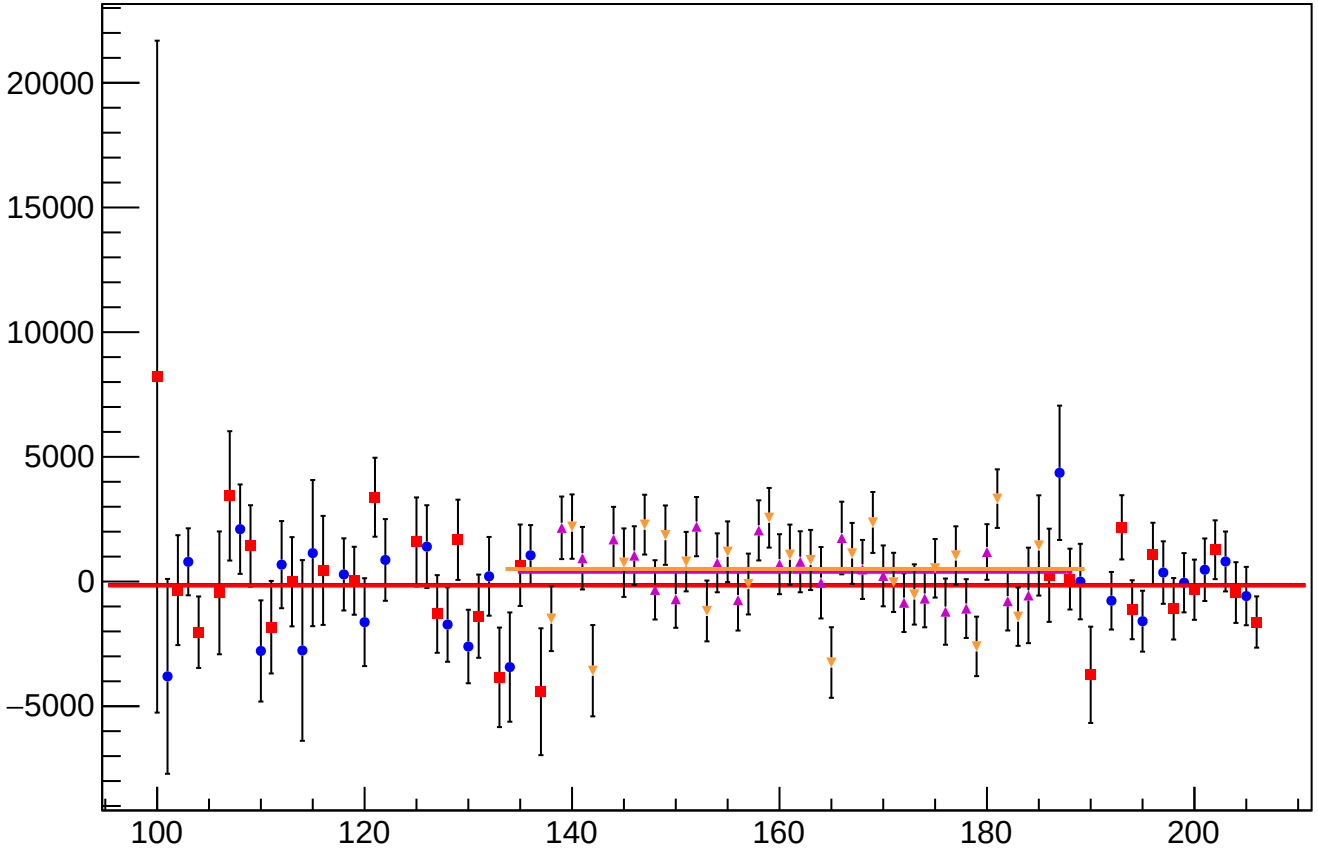
Left In: 3427.860+/-0.578 χ^2/NDF:1243133.8/22

+ sign 1132.439+/-0.228 χ^2/NDF: 39783672.1/48

All: 1067.449+/-0.153 χ^2/NDF: 83402035.3/1

- sign 1013.336+/-0.208 χ^2/NDF: 43468873.8/51

cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -142.537+/-303.903 χ^2/NDF: 20.5/24

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -158.935+/-285.767 χ^2/NDF: 33.3/28

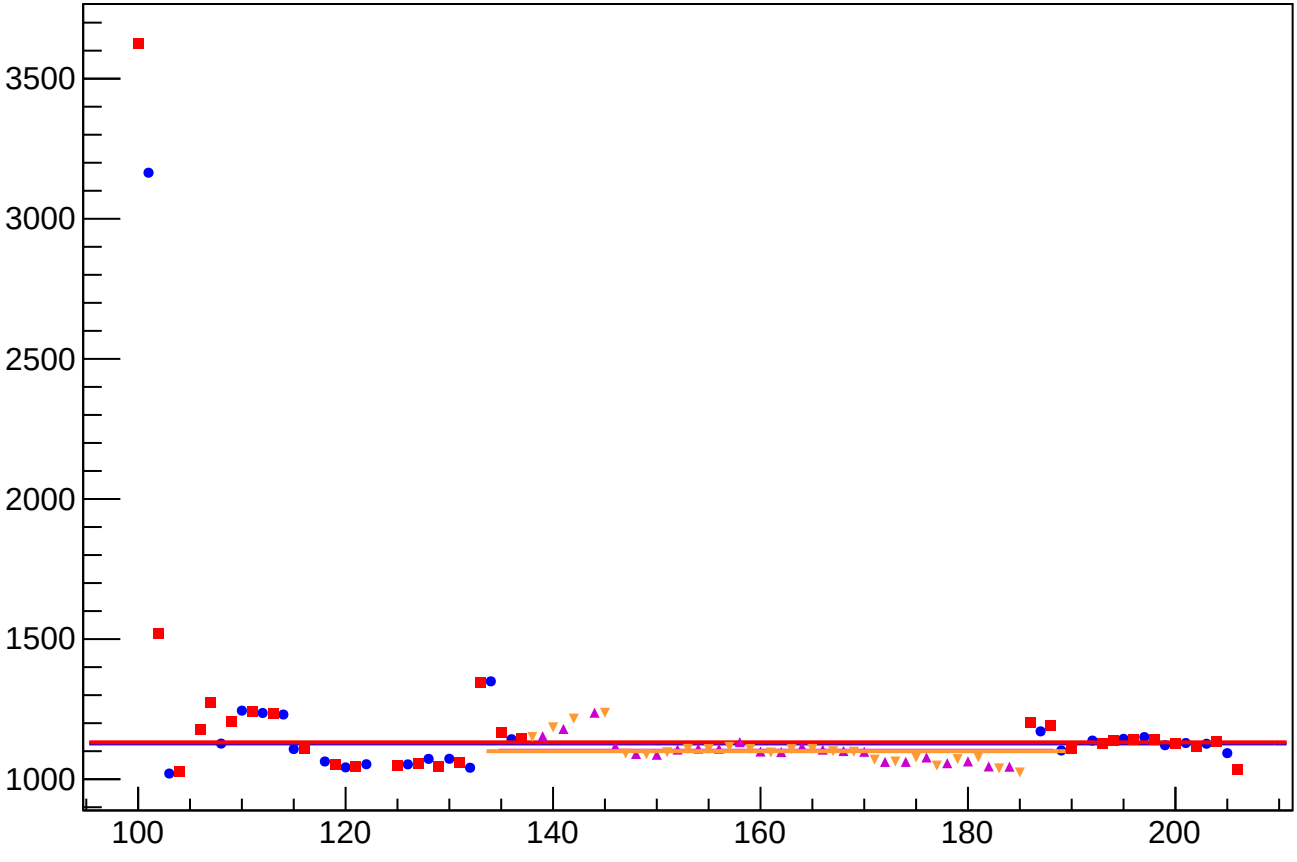
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 236.033+/-195.581 χ^2/NDF: 67.7/48

All: 189.532+/-136.739 χ^2/NDF: 121.0/100

- sign 145.070+/-191.248 χ^2/NDF: 53.2/51

cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.682+/-0.215 χ^2/NDF: 625439.9/24

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

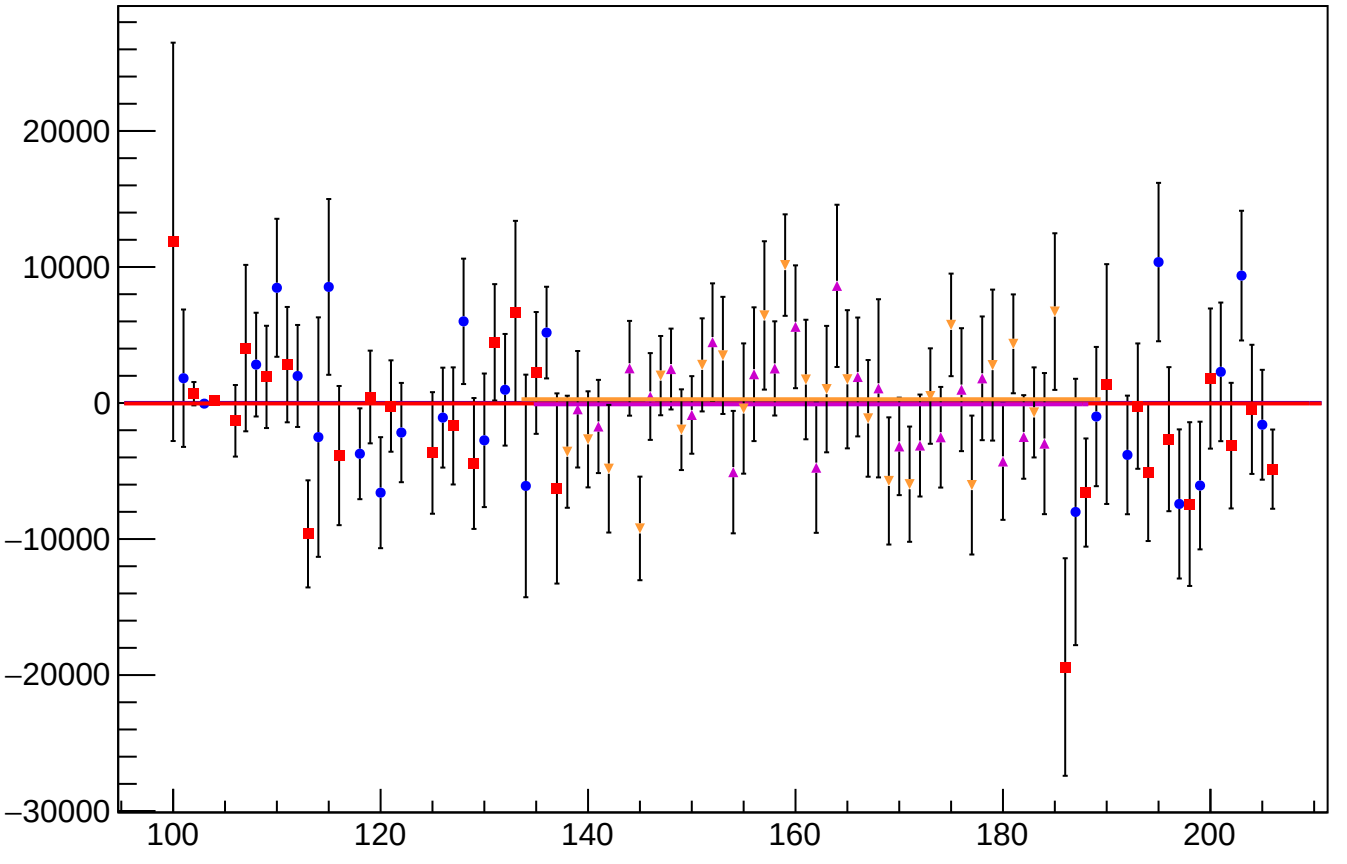
Right Out: 1131.553+/-0.202 χ^2/NDF: 247984.0/28

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1111.502+/-0.138 χ^2/NDF: 693850.4/48

All: 1113.280+/-0.097 χ^2/NDF: 1006495.5/10

- sign 1114.980+/-0.135 χ^2/NDF: 312321.7/51



Right In: 5.212+/-337.523 χ^2/NDF: 27.2/24

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

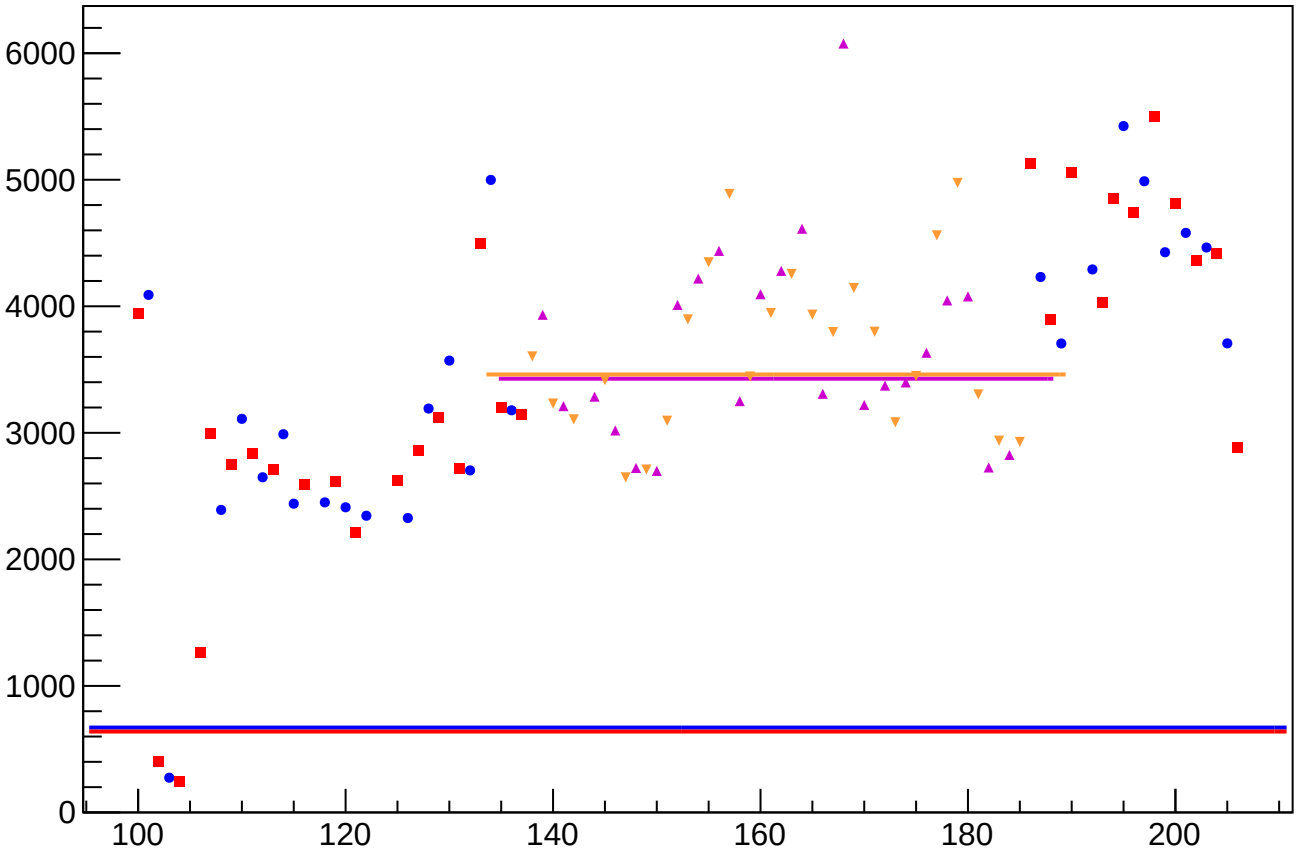
Right Out: -31.870+/-309.846 χ^2/NDF: 29.0/28

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 44.625+/-312.144 χ^2/NDF: 57.2/48

All: -0.714+/-212.349 χ^2/NDF: 99.9/100

- sign -39.772+/-289.721 χ^2/NDF: 42.7/51



Right In: 670.778+/-0.239 χ^2/NDF: 20012046.5/24

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 639.365+/-0.219 χ^2/NDF: 22197050.4/28

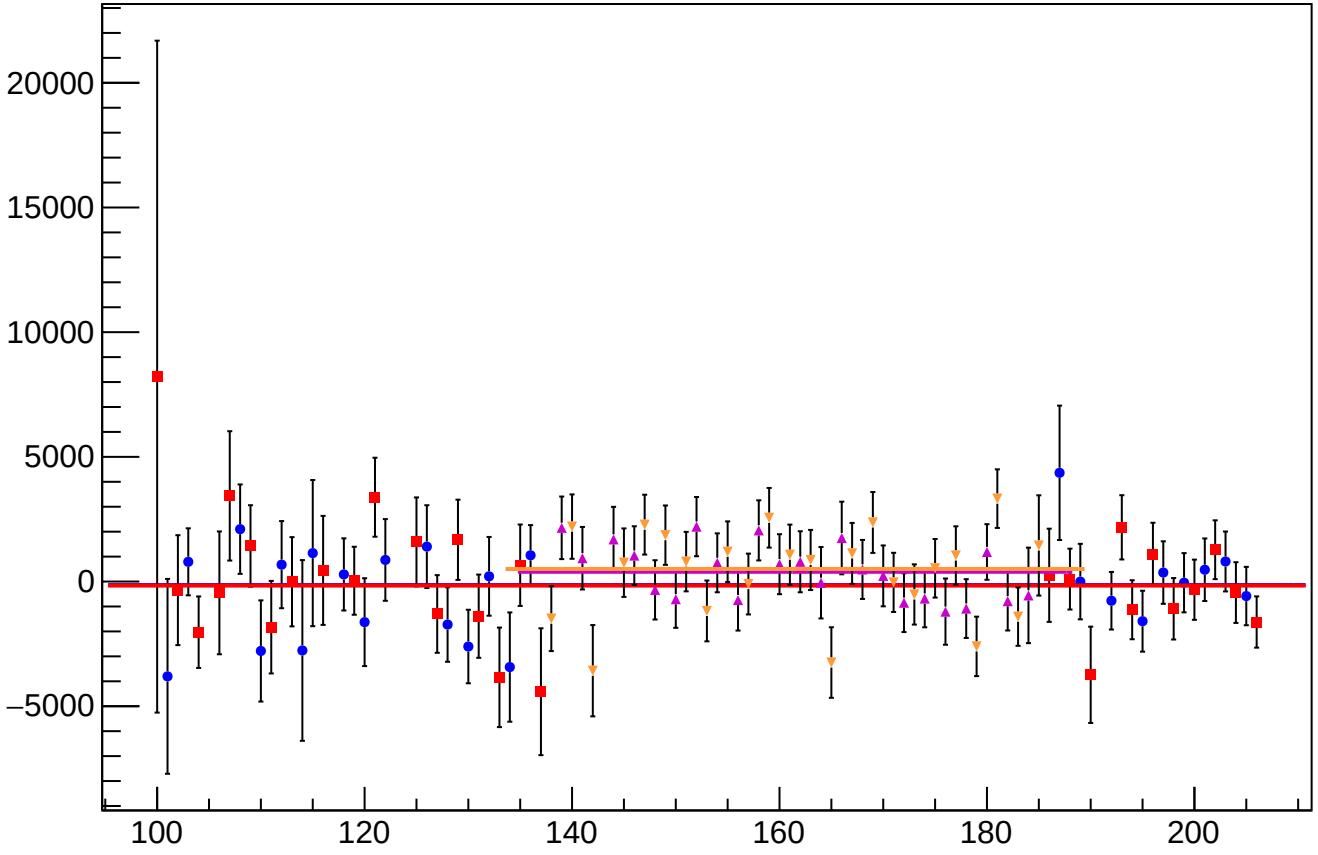
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1074.638+/-0.221 χ^2/NDF: 40855656.0/48

All: 1029.080+/-0.150 χ^2/NDF: 84734185.6/1

- sign 989.833+/-0.205 χ^2/NDF: 43799223.6/51

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -142.537+/-303.903 χ^2/NDF: 20.5/24

Left Out: 503.679+/-255.531 χ^2/NDF:44.6/23

Right Out: -158.935+/-285.767 χ^2/NDF: 33.3/28

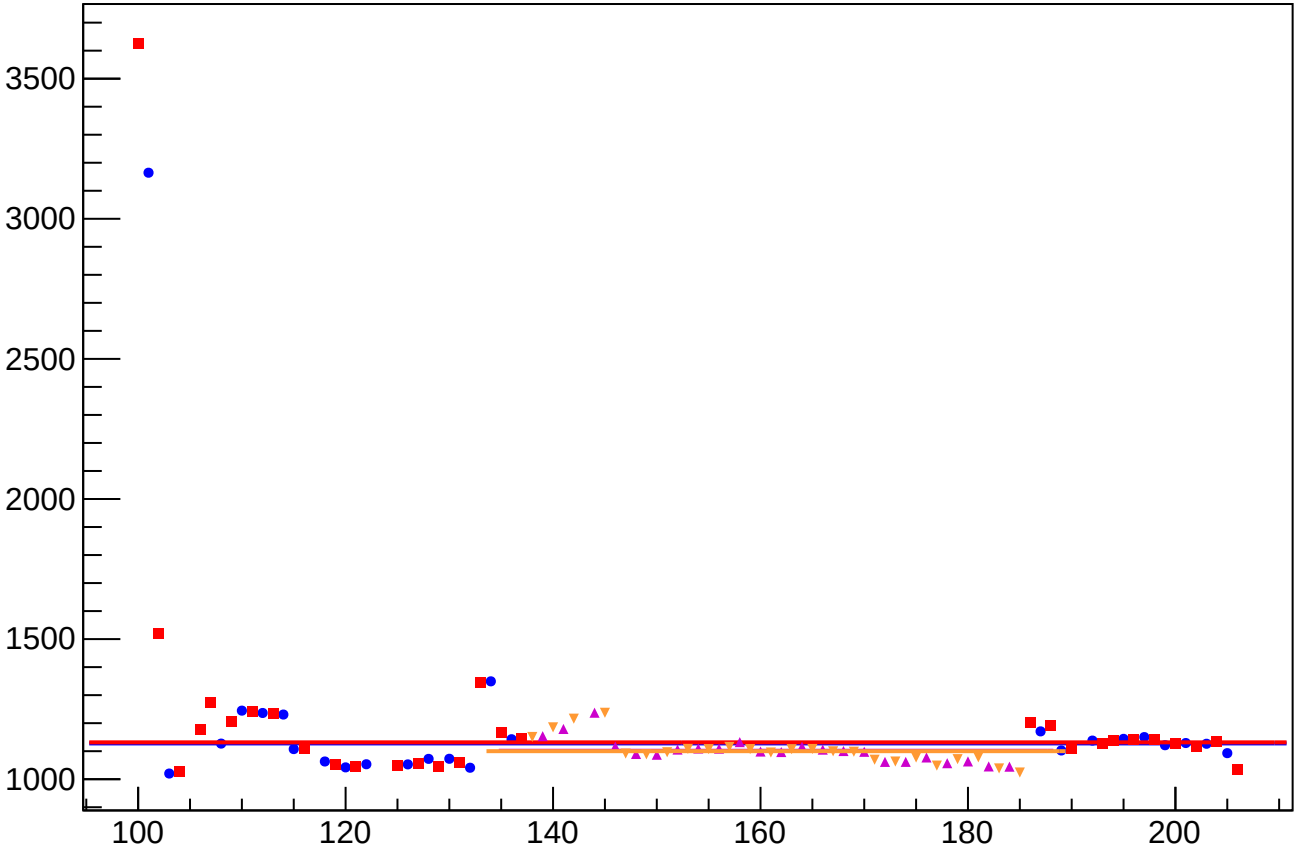
Left In: 391.689+/-257.386 χ^2/NDF:17.8/22

+ sign 236.033+/-195.581 χ^2/NDF: 67.7/48

All: 189.532+/-136.739 χ^2/NDF: 121.0/100

- sign 145.070+/-191.248 χ^2/NDF: 53.2/51

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1127.682+/-0.215 χ^2/NDF: 625439.9/24

Left Out: 1100.063+/-0.181 χ^2/NDF:58733.9/23

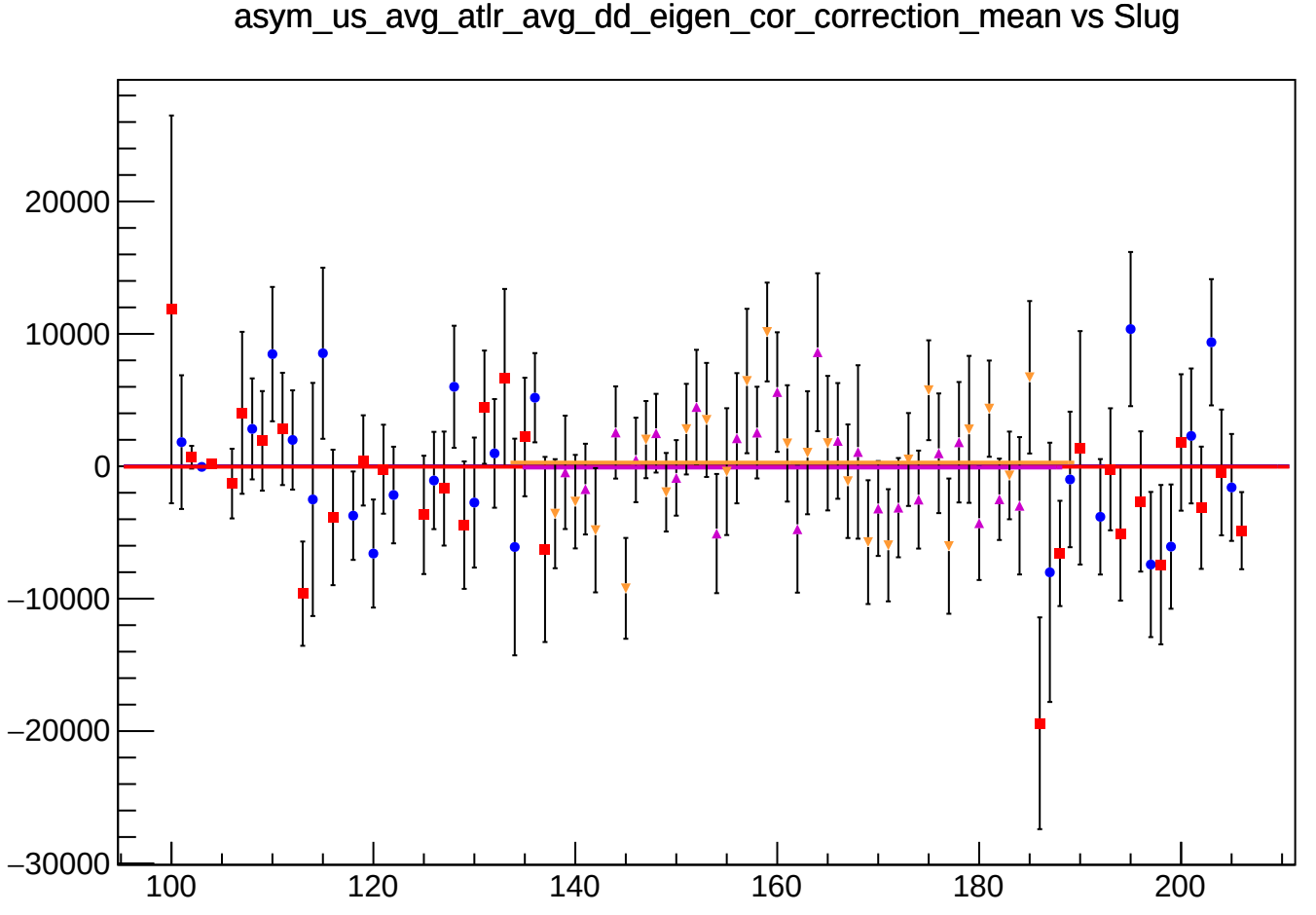
Right Out: 1131.553+/-0.202 χ^2/NDF: 247984.0/28

Left In: 1101.530+/-0.182 χ^2/NDF:52145.9/22

+ sign 1111.502+/-0.138 χ^2/NDF: 693850.4/48

All: 1113.280+/-0.097 χ^2/NDF: 1006495.5/10

- sign 1114.980+/-0.135 χ^2/NDF: 312321.7/51



Right In: 5.212+/-337.523 χ^2/NDF: 27.2/24

Left Out: 277.536+/-820.502 χ^2/NDF:29.9/23

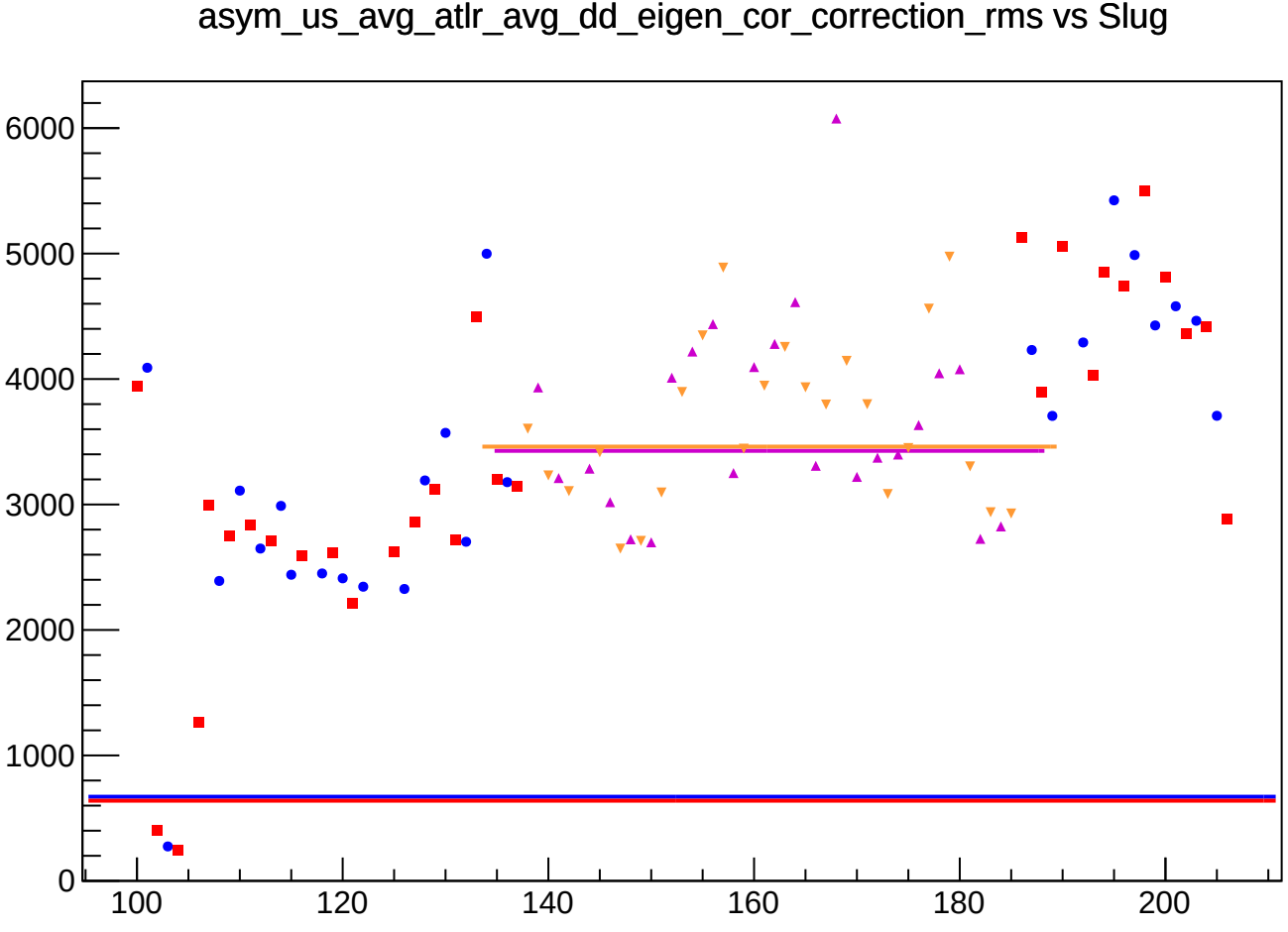
Right Out: -31.870+/-309.846 χ^2/NDF: 29.0/28

Left In: -94.742+/-817.222 χ^2/NDF:13.7/22

+ sign 44.625+/-312.144 χ^2/NDF: 57.2/48

All: -0.714+/-212.349 χ^2/NDF: 99.9/100

- sign -39.772+/-289.721 χ^2/NDF: 42.7/51



Right In: 670.778+/-0.239 χ^2/NDF: 20012046.5/24

Left Out: 3461.261+/-0.580 χ^2/NDF:1058691.8/23

Right Out: 639.365+/-0.219 χ^2/NDF: 22197050.4/28

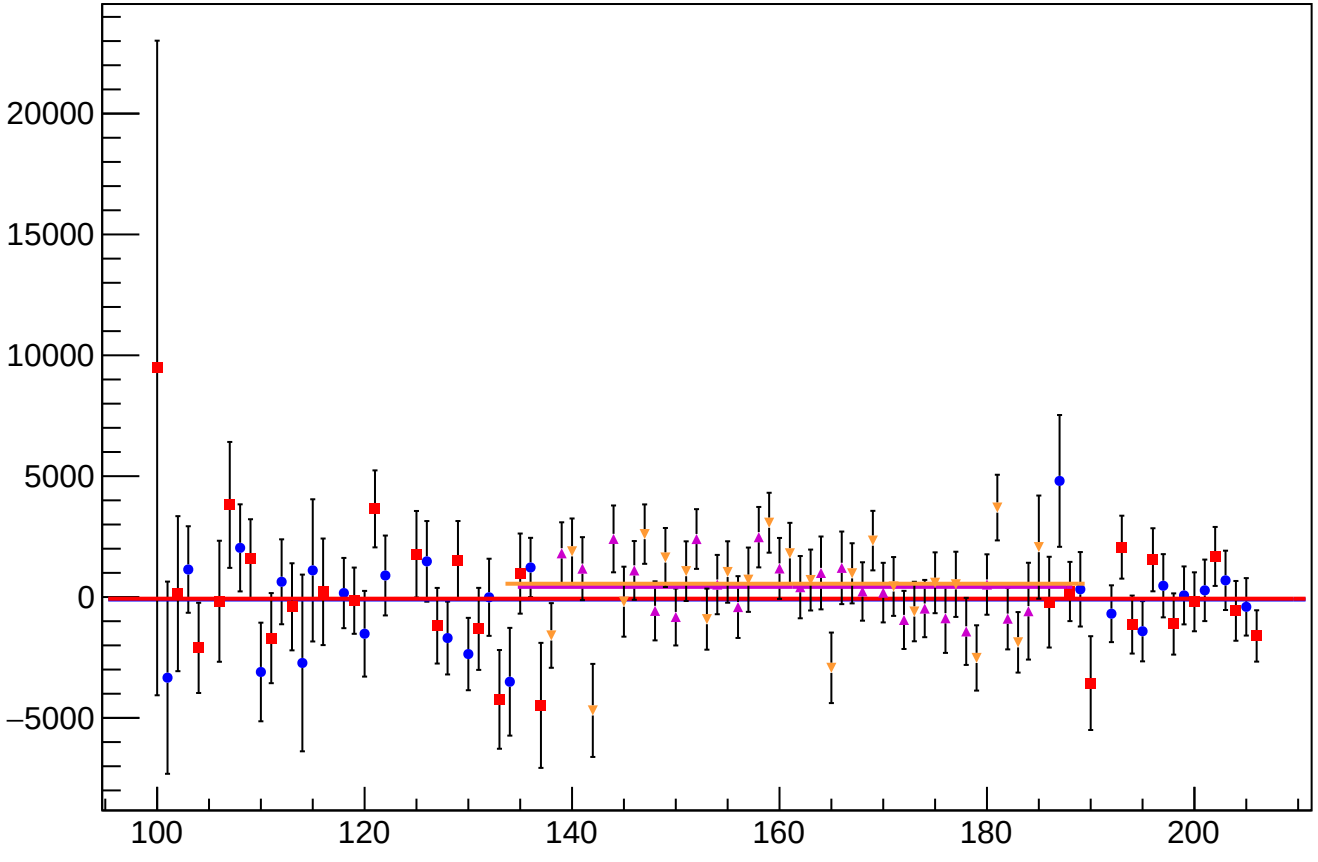
Left In: 3427.857+/-0.578 χ^2/NDF:1243147.4/22

+ sign 1074.638+/-0.221 χ^2/NDF: 40855656.0/48

All: 1029.080+/-0.150 χ^2/NDF: 84734185.6/1

- sign 989.833+/-0.205 χ^2/NDF: 43799223.6/51

dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -102.415+/-311.631 χ^2/NDF: 19.8/24

Left Out: 550.661+/-269.206 χ^2/NDF:45.2/23

Right Out: -68.515+/-293.651 χ^2/NDF: 35.0/28

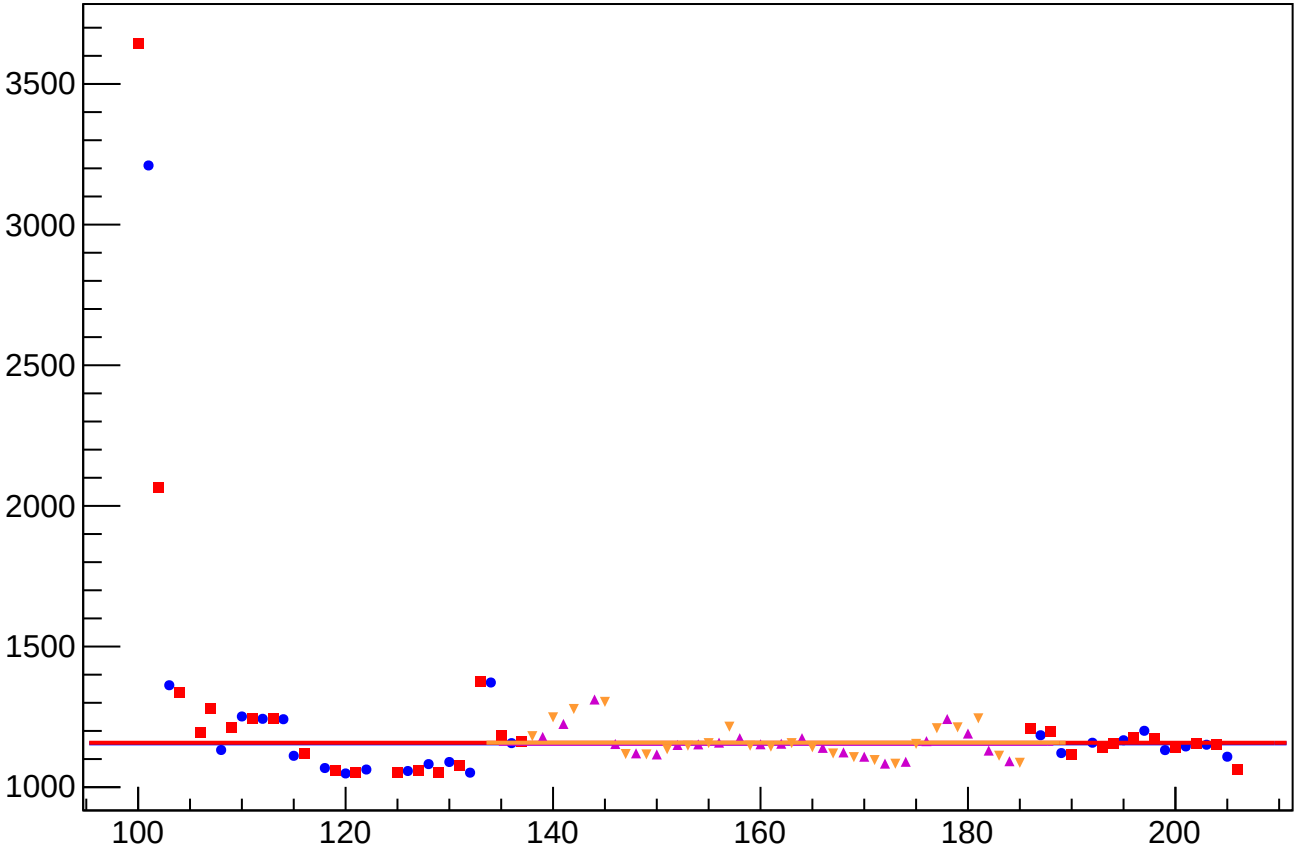
Left In: 421.023+/-269.815 χ^2/NDF:18.0/22

+ sign 271.571+/-203.719 χ^2/NDF: 67.6/48

All: 233.314+/-142.236 χ^2/NDF: 122.2/100

- sign 196.926+/-198.681 χ^2/NDF: 54.5/51

dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1155.795+/-0.220 χ^2/NDF: 643751.2/24

Left Out: 1158.177+/-0.190 χ^2/NDF:84111.8/23

Right Out: 1157.988+/-0.208 χ^2/NDF: 355673.8/28

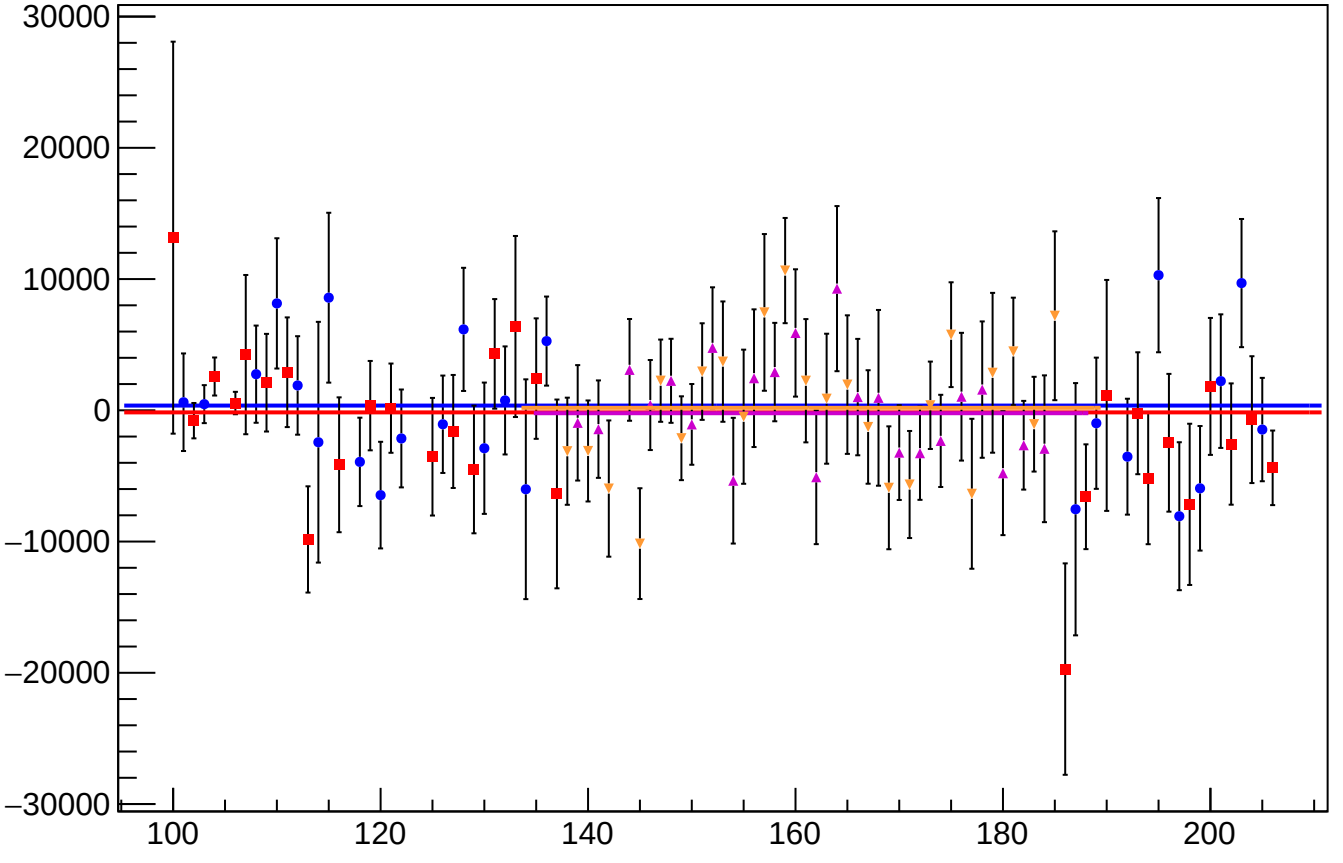
Left In: 1154.231+/-0.191 χ^2/NDF:66476.9/22

+ sign 1157.159+/-0.144 χ^2/NDF: 727929.9/48

All: 1156.540+/-0.101 χ^2/NDF: 1150294.3/10

- sign 1155.951+/-0.140 χ^2/NDF: 422328.4/51

asym_us_avg_atlr_avg_dd_dit_correction_mean vs Slug



Right In: 360.741+/-775.987 χ^2/NDF: 26.8/24

Left Out: 189.735+/-869.432 χ^2/NDF:29.3/23

Right Out: -158.439+/-526.107 χ^2/NDF: 31.3/28

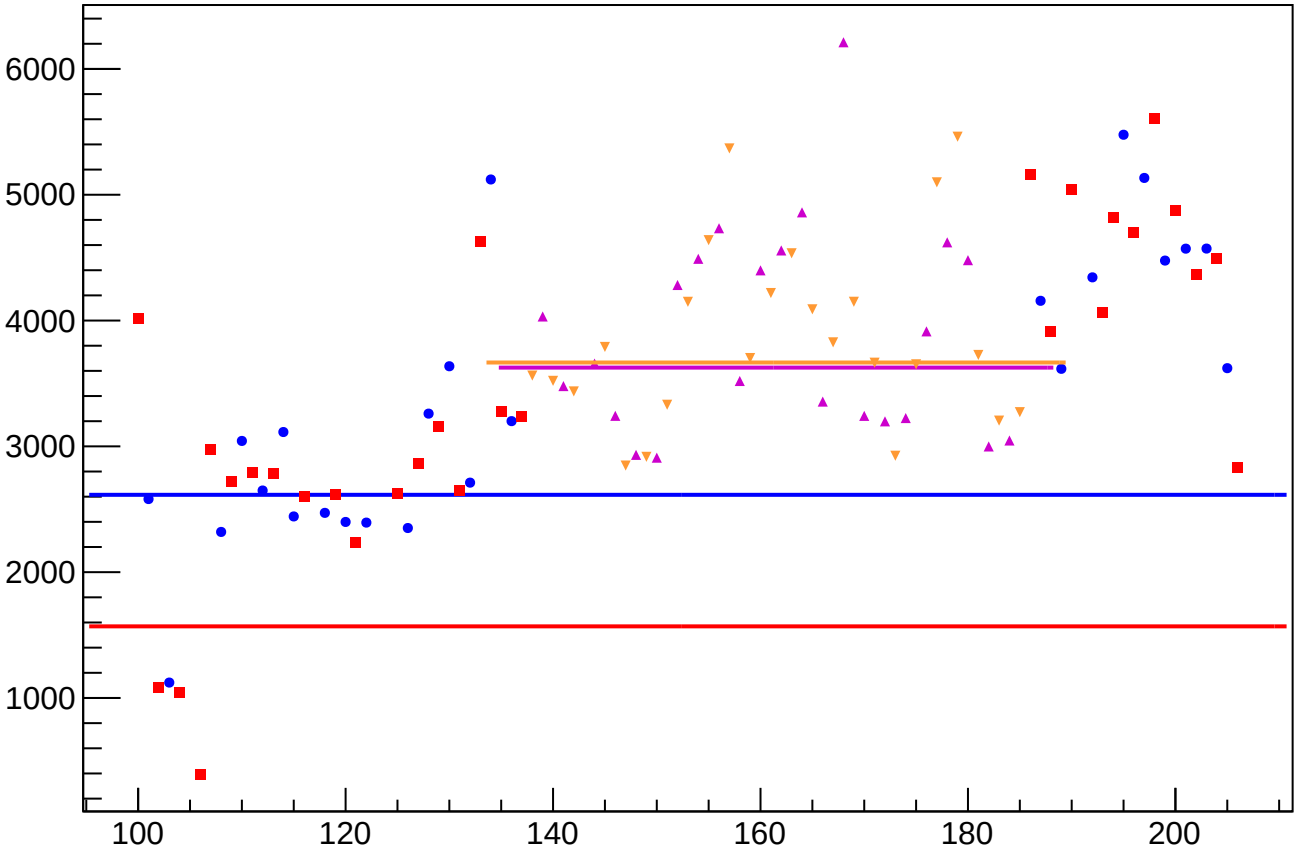
Left In: -221.361+/-864.775 χ^2/NDF:13.4/22

+ sign 284.919+/-578.934 χ^2/NDF: 56.1/48

All: -2.311+/-355.028 χ^2/NDF: 101.2/100

- sign -175.437+/-449.464 χ^2/NDF: 44.7/51

asym_us_avg_atlr_avg_dd_dit_correction_rms vs Slug



Right In: 2614.840+/-0.549 χ^2/NDF: 4916092.1/24

Left Out: 3666.536+/-0.615 χ^2/NDF:1095831.4/23

Right Out: 1569.259+/-0.372 χ^2/NDF: 13851257.2/28

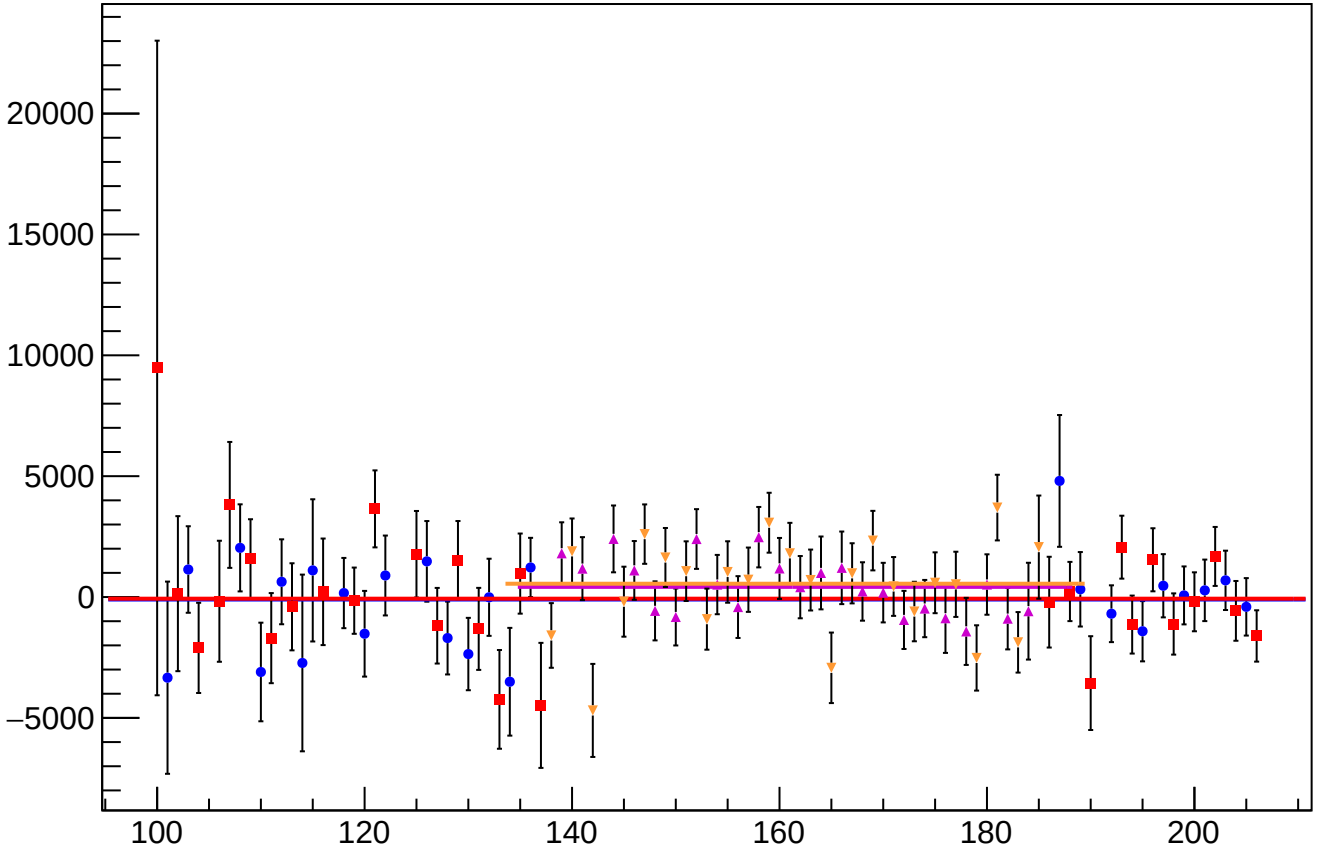
Left In: 3625.940+/-0.611 χ^2/NDF:1257928.4/22

+ sign 3081.153+/-0.409 χ^2/NDF: 7640802.0/48

All: 2484.481+/-0.251 χ^2/NDF: 34411453.2/1

- sign 2124.843+/-0.318 χ^2/NDF: 23365745.6/51

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: -102.413+/-311.631 χ^2/NDF: 19.8/24

Left Out: 550.663+/-269.206 χ^2/NDF:45.2/23

Right Out: -68.514+/-293.651 χ^2/NDF: 35.0/28

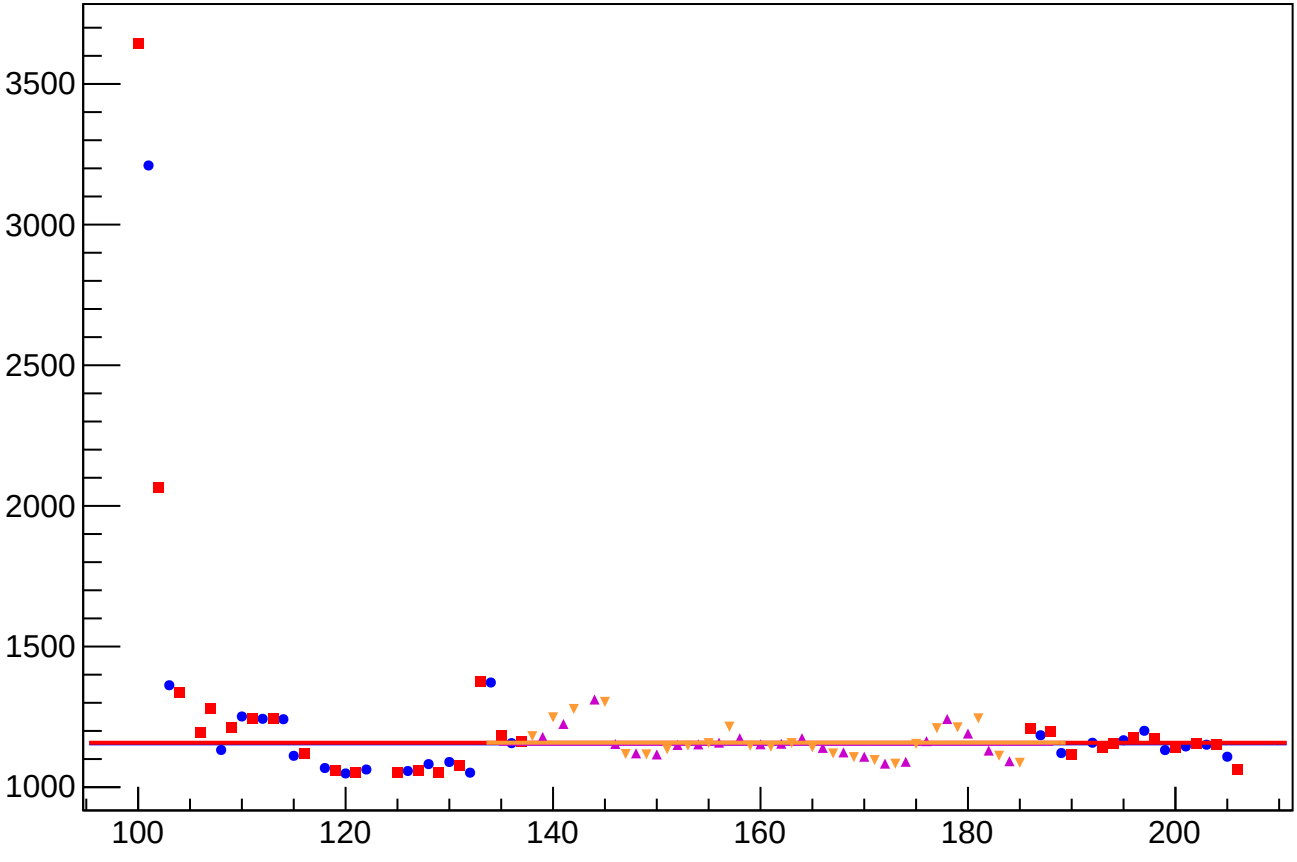
Left In: 421.022+/-269.815 χ^2/NDF:18.0/22

+ sign 271.572+/-203.719 χ^2/NDF: 67.6/48

All: 233.314+/-142.236 χ^2/NDF: 122.2/100

- sign 196.925+/-198.681 χ^2/NDF: 54.5/51

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs Slug



Right In: 1155.795+/-0.220 χ^2/NDF: 643751.6/24

Left Out: 1158.178+/-0.190 χ^2/NDF:84114.3/23

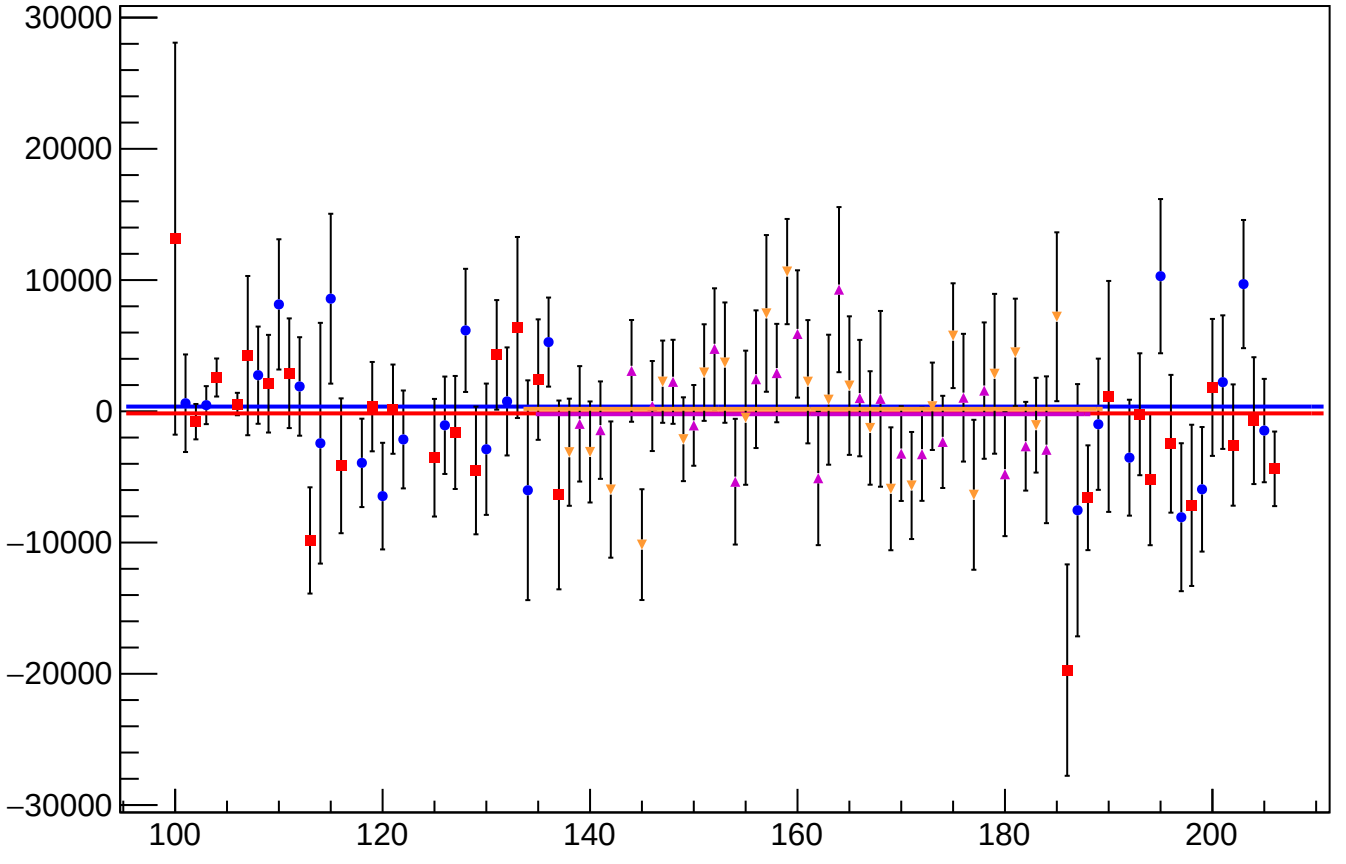
Right Out: 1157.988+/-0.208 χ^2/NDF: 355673.6/28

Left In: 1154.232+/-0.191 χ^2/NDF:66479.5/22

+ sign 1157.160+/-0.144 χ^2/NDF: 727932.8/48

All: 1156.541+/-0.101 χ^2/NDF: 1150299.5/10

- sign 1155.952+/-0.140 χ^2/NDF: 422330.6/51



Right In: 360.736+/-775.986 χ^2/NDF: 26.8/24

Left Out: 189.735+/-869.434 χ^2/NDF:29.3/23

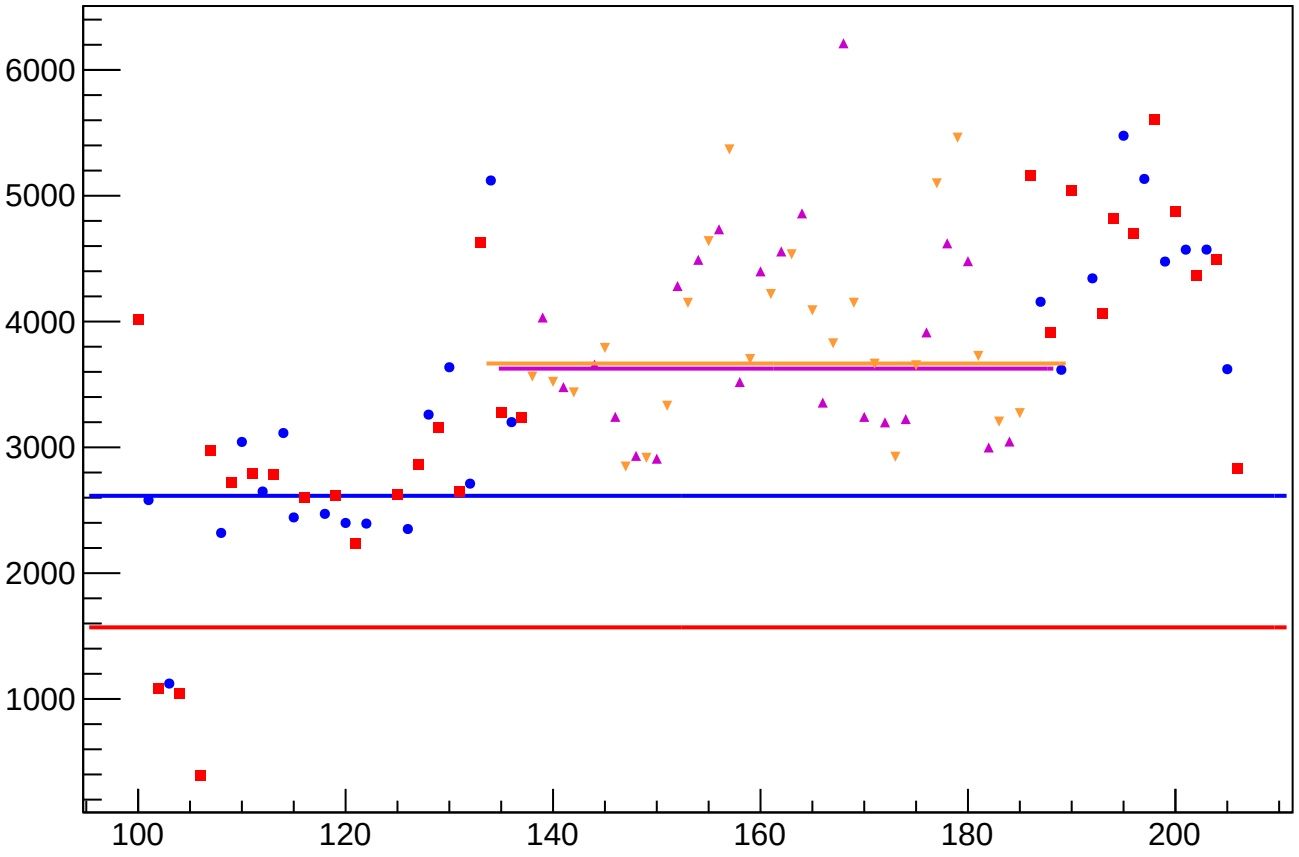
Right Out: -158.426+/-526.101 χ^2/NDF: 31.3/28

Left In: -221.363+/-864.776 χ^2/NDF:13.4/22

+ sign 284.916+/-578.934 χ^2/NDF: 56.1/48

All: -2.308+/-355.027 χ^2/NDF: 101.2/100

- sign -175.428+/-449.461 χ^2/NDF: 44.7/51



Right In: 2614.837+/-0.549 χ^2/NDF: 4916108.8/24

Left Out: 3666.541+/-0.615 χ^2/NDF:1095834.2/23

Right Out: 1569.231+/-0.372 χ^2/NDF: 13851533.5/28

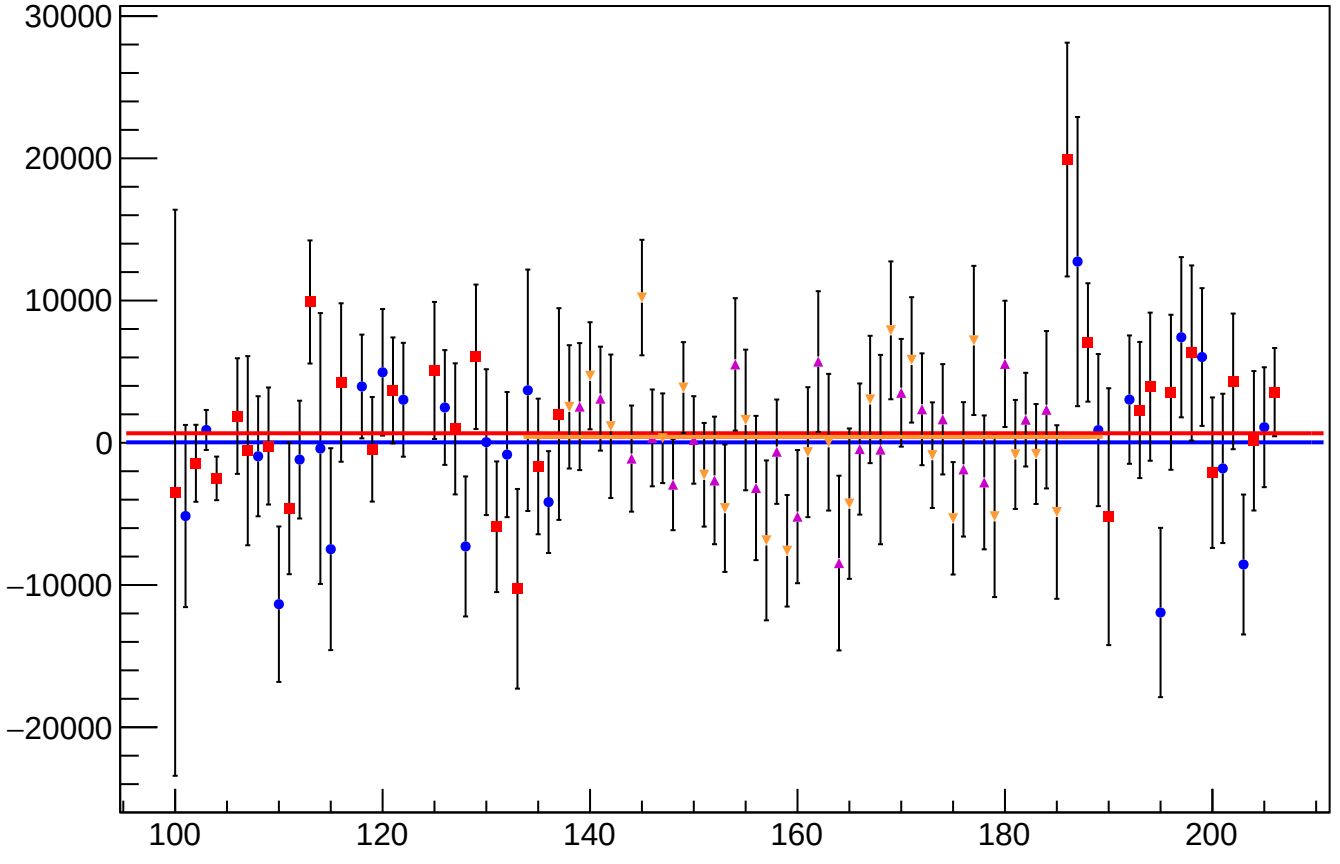
Left In: 3625.945+/-0.611 χ^2/NDF:1257933.0/22

+ sign 3081.152+/-0.409 χ^2/NDF: 7640846.8/48

All: 2484.460+/-0.251 χ^2/NDF: 34412292.7/1

- sign 2124.814+/-0.318 χ^2/NDF: 23366322.5/51

asym_us_avg_atlr_avg_dd_mean vs Slug



Right In: 31.243+/-813.879 χ^2/NDF: 26.3/24

Left Out: 413.494+/-865.331 χ^2/NDF:27.2/23

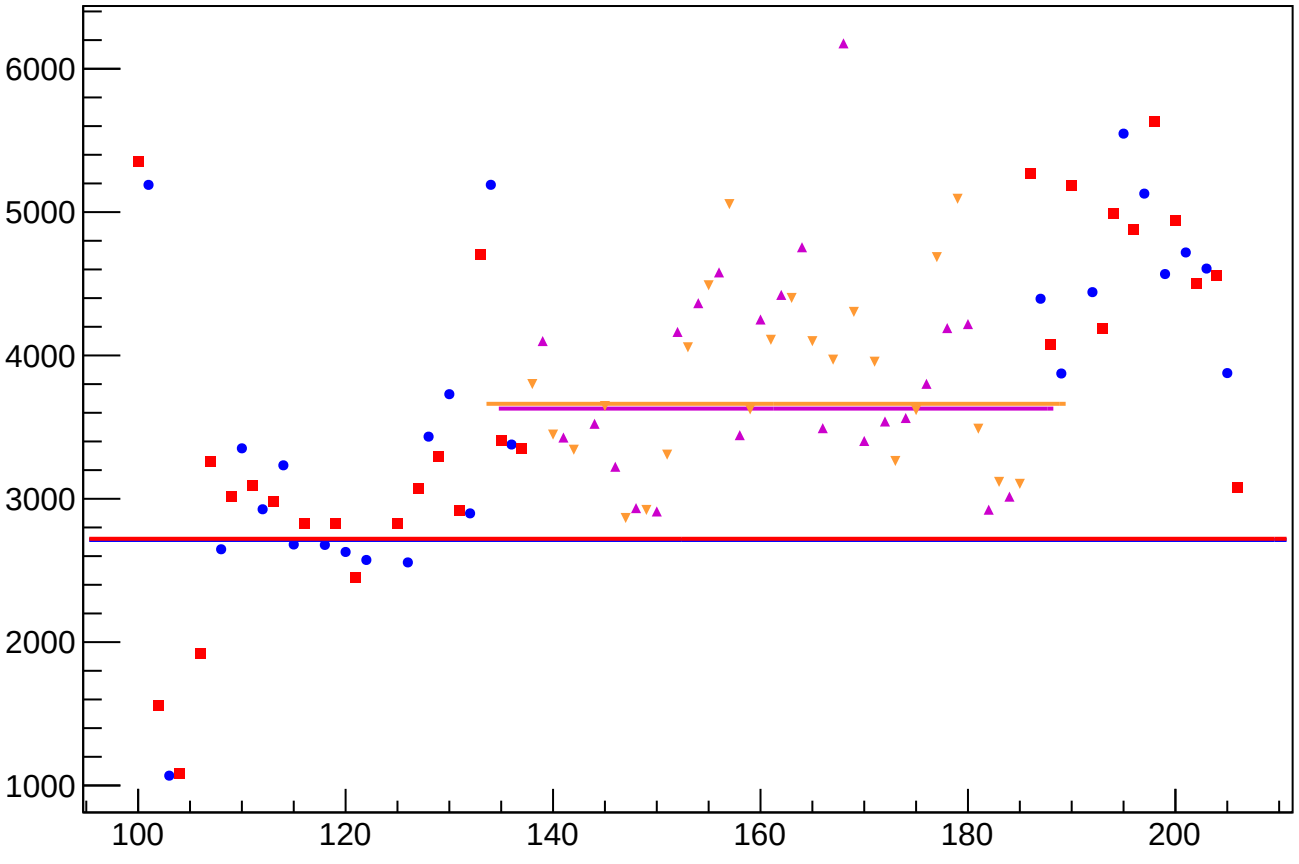
Right Out: 669.500+/-768.299 χ^2/NDF: 30.5/28

Left In: 403.543+/-862.437 χ^2/NDF:12.3/22

\+ sign 210.667+/-592.855 χ^2/NDF: 53.6/48

All: 386.853+/-412.264 χ^2/NDF: 96.6/100

\- sign 551.823+/-573.676 χ^2/NDF: 42.8/51



Right In: 2712.682+/-0.575 χ^2/NDF: 5733711.1/24

Left Out: 3662.662+/-0.612 χ^2/NDF:893468.3/23

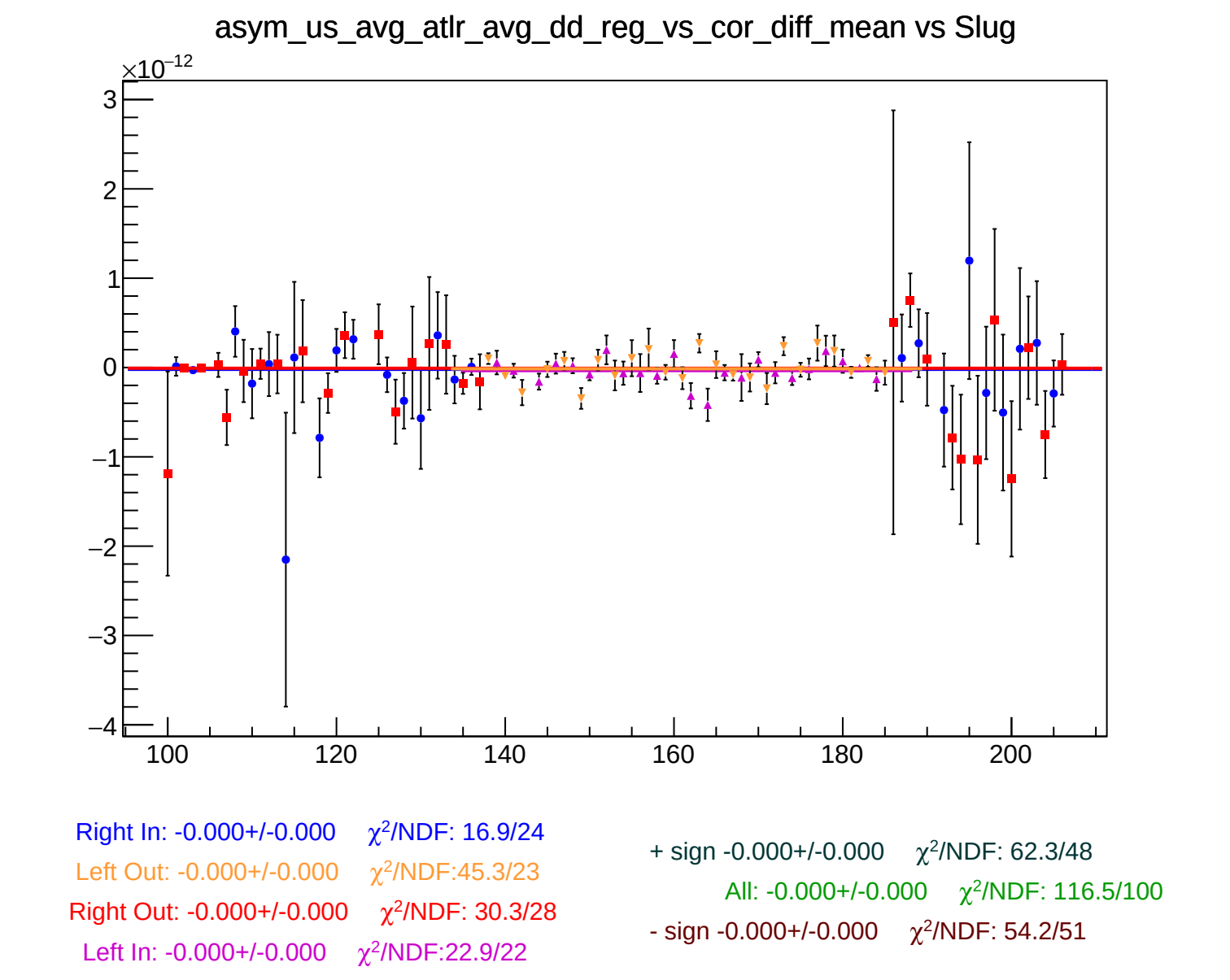
Right Out: 2721.014+/-0.542 χ^2/NDF: 5908909.0/28

Left In: 3629.184+/-0.610 χ^2/NDF:1054949.6/22

+ sign 3158.590+/-0.419 χ^2/NDF: 7906183.6/48

All: 3139.706+/-0.291 χ^2/NDF: 16112355.3/1

- sign 3122.059+/-0.405 χ^2/NDF: 8202246.3/51


asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs Slug
×10^−12
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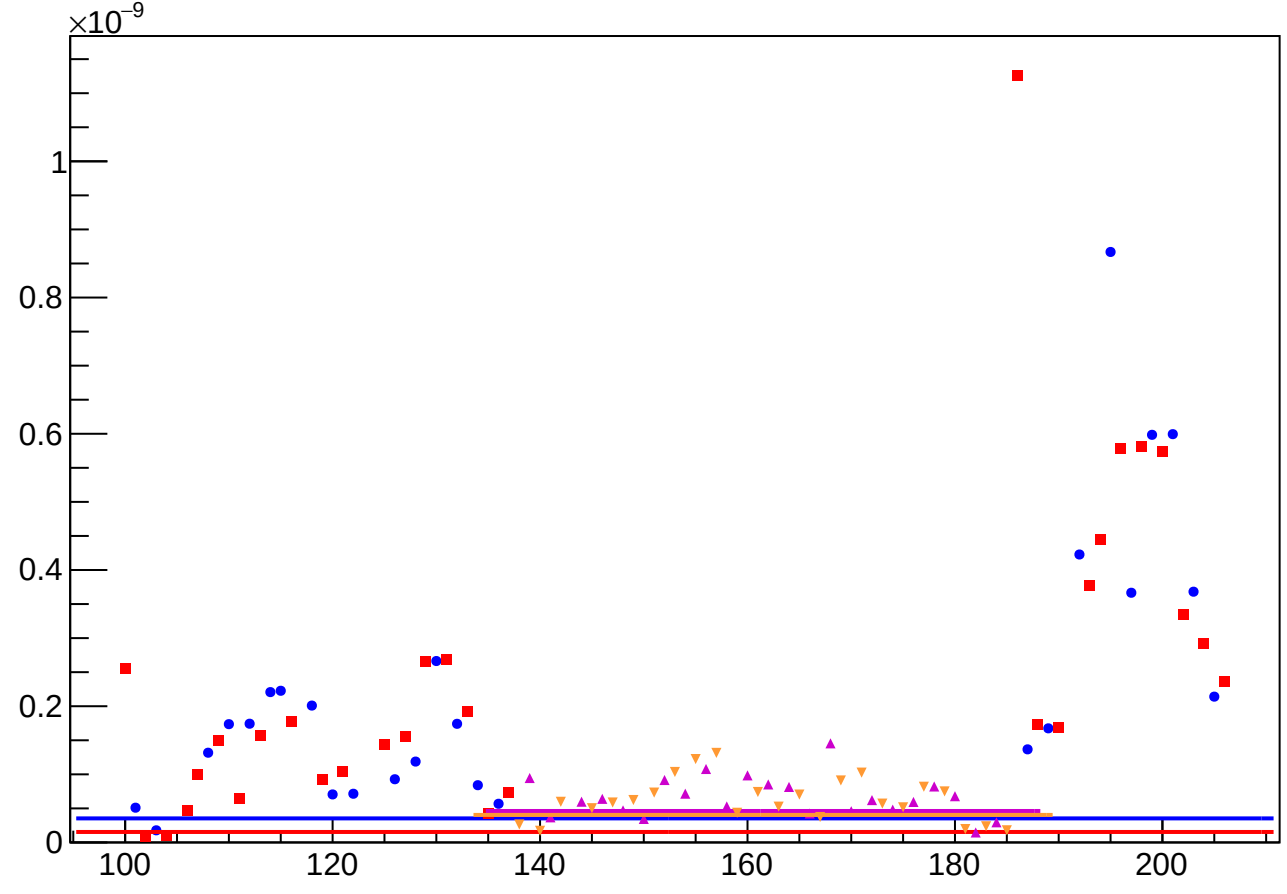
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 16.9/24
Left Out: -0.000+/-0.000 χ²/NDF:45.3/23
Right Out: -0.000+/-0.000 χ²/NDF: 30.3/28
Left In: -0.000+/-0.000 χ²/NDF:22.9/22
+ sign -0.000+/-0.000 χ²/NDF: 62.3/48
All: -0.000+/-0.000 χ²/NDF: 116.5/100
- sign -0.000+/-0.000 χ²/NDF: 54.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 7859776.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3432253.9/23

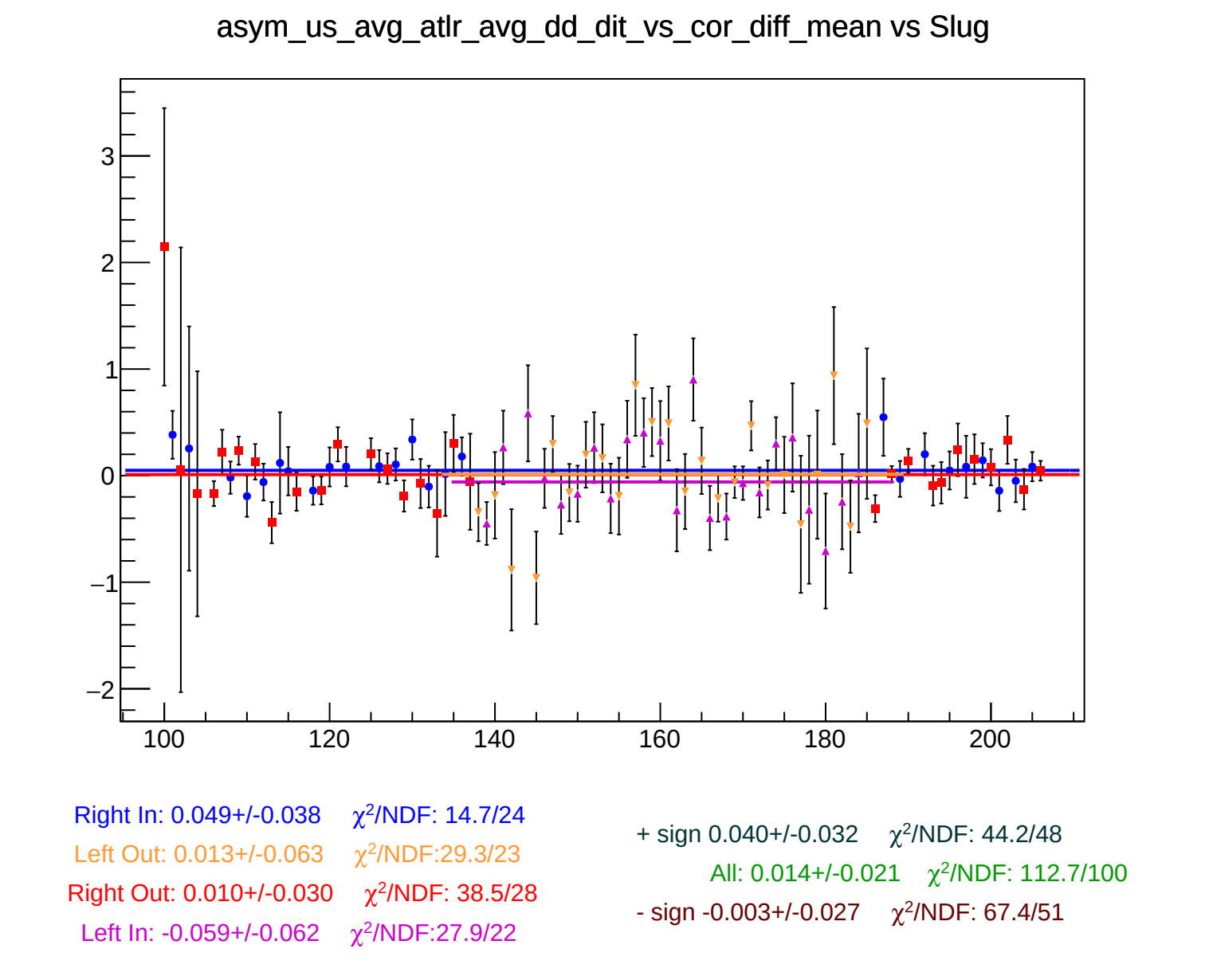
Right Out: 0.000+/-0.000 χ^2/NDF: 10620115.2/28

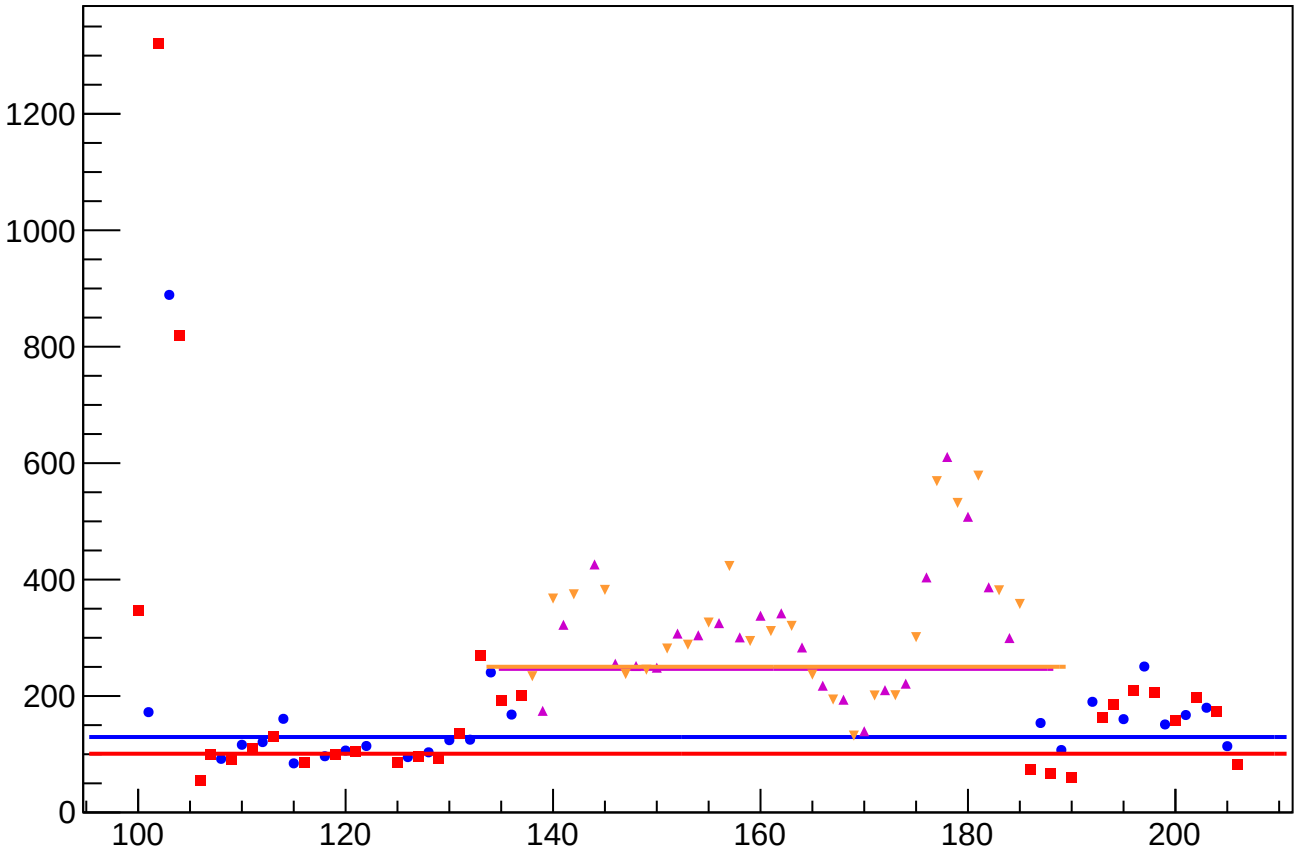
Left In: 0.000+/-0.000 χ^2/NDF:2954466.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 11345083.4/48

All: 0.000+/-0.000 χ^2/NDF: 28787751.0/100

- sign 0.000+/-0.000 χ^2/NDF: 16599543.9/51


asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.049+/-0.038 χ²/NDF: 14.7/24
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.010+/-0.030 χ²/NDF: 38.5/28
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.032 χ²/NDF: 44.2/48
All: 0.014+/-0.021 χ²/NDF: 112.7/100
- sign -0.003+/-0.027 χ²/NDF: 67.4/51



Right In: 129.567+/-0.027 χ^2/NDF: 2669587.5/24

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

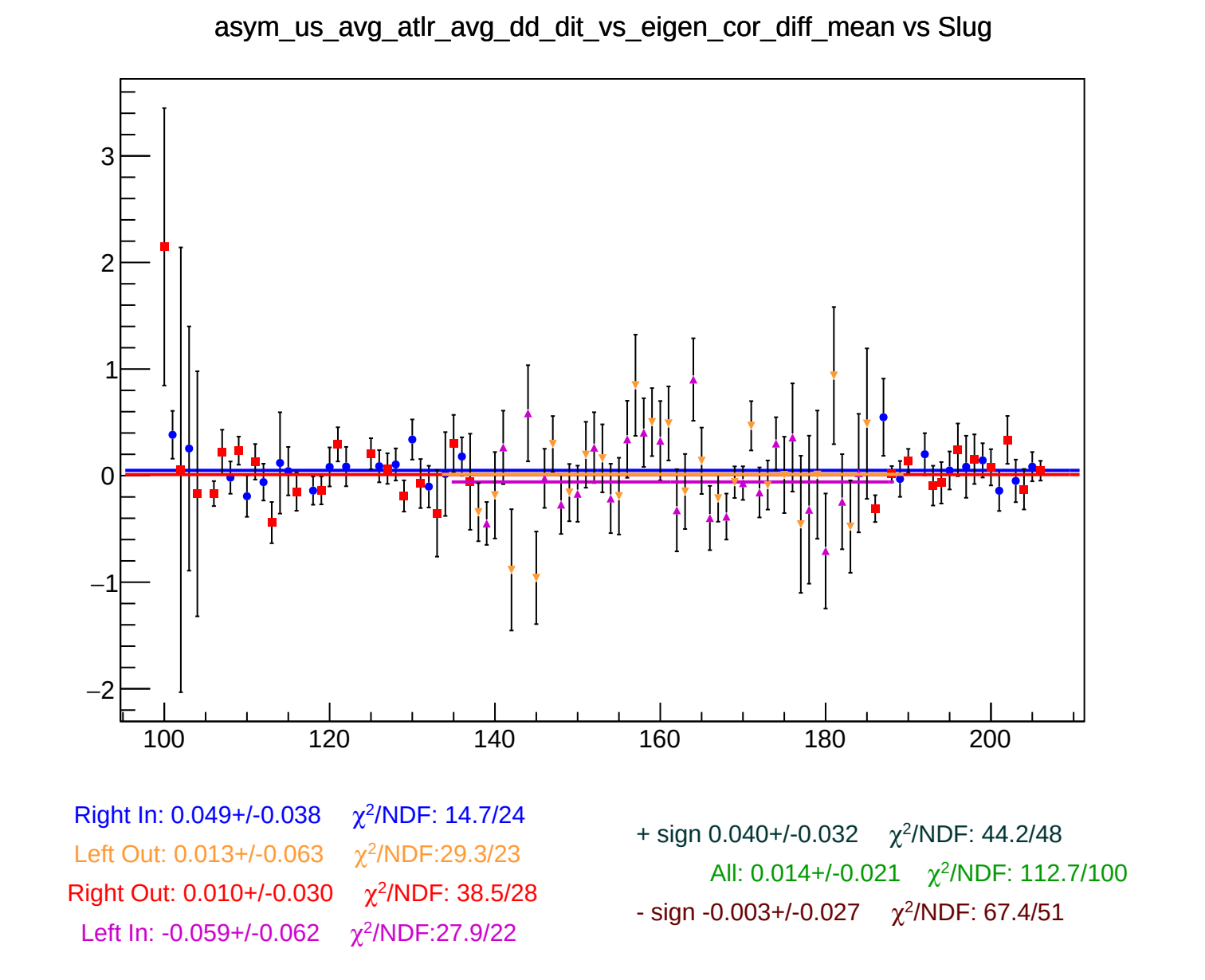
Right Out: 100.869+/-0.021 χ^2/NDF: 5806932.2/28

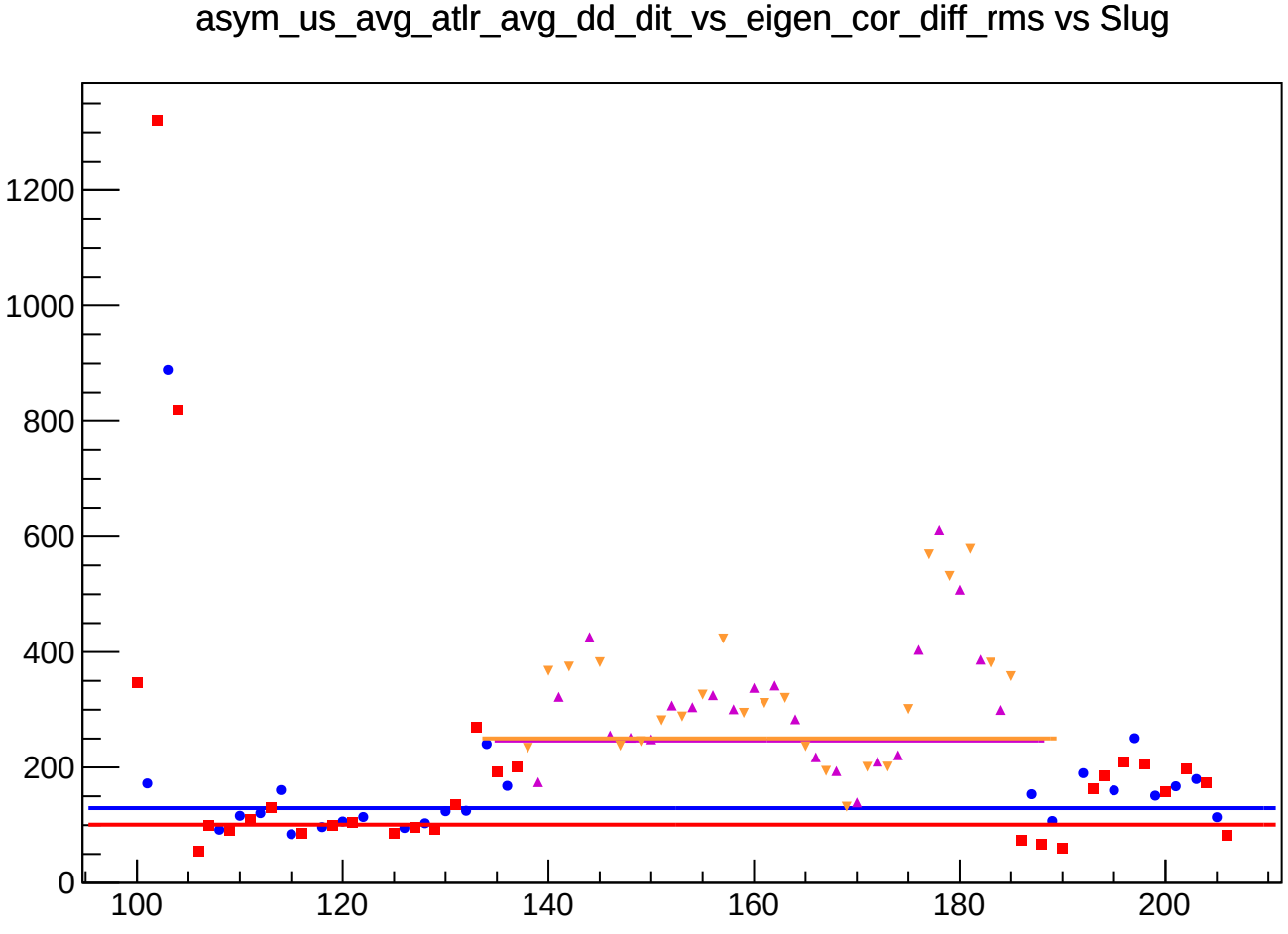
Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 161.500+/-0.023 χ^2/NDF: 12418213.6/48

All: 141.393+/-0.015 χ^2/NDF: 32297544.7/10

- sign 127.796+/-0.019 χ^2/NDF: 18589109.0/51


asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.049+/-0.038 χ²/NDF: 14.7/24
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.010+/-0.030 χ²/NDF: 38.5/28
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.032 χ²/NDF: 44.2/48
All: 0.014+/-0.021 χ²/NDF: 112.7/100
- sign -0.003+/-0.027 χ²/NDF: 67.4/51



Right In: 129.567+/-0.027 χ^2/NDF: 2669587.5/24

Left Out: 250.247+/-0.045 χ^2/NDF:4353162.7/23

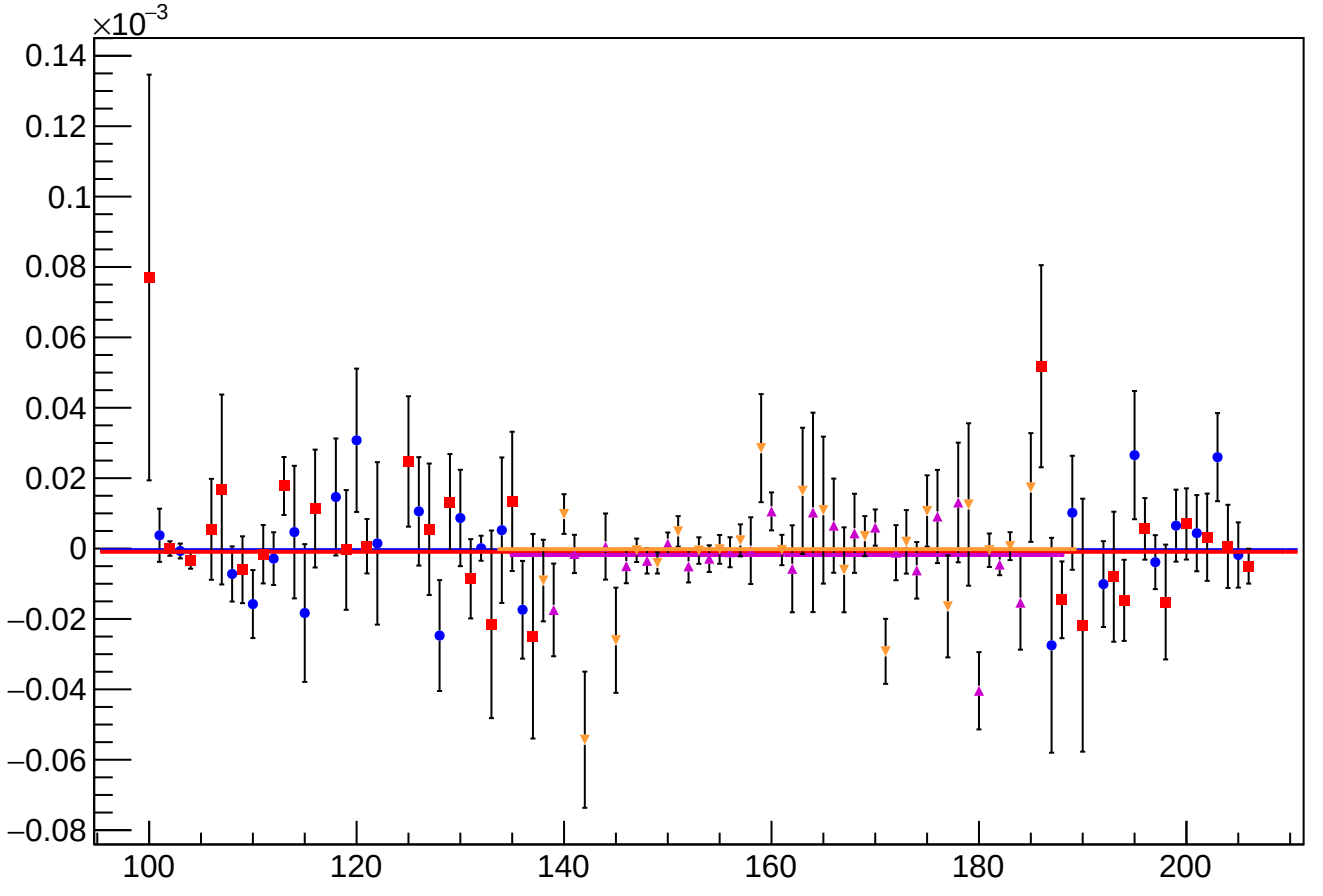
Right Out: 100.869+/-0.021 χ^2/NDF: 5806932.2/28

Left In: 246.630+/-0.044 χ^2/NDF:3773083.4/22

+ sign 161.500+/-0.023 χ^2/NDF: 12418213.6/48

All: 141.393+/-0.015 χ^2/NDF: 32297544.7/10

- sign 127.796+/-0.019 χ^2/NDF: 18589109.0/51



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:37.2/23

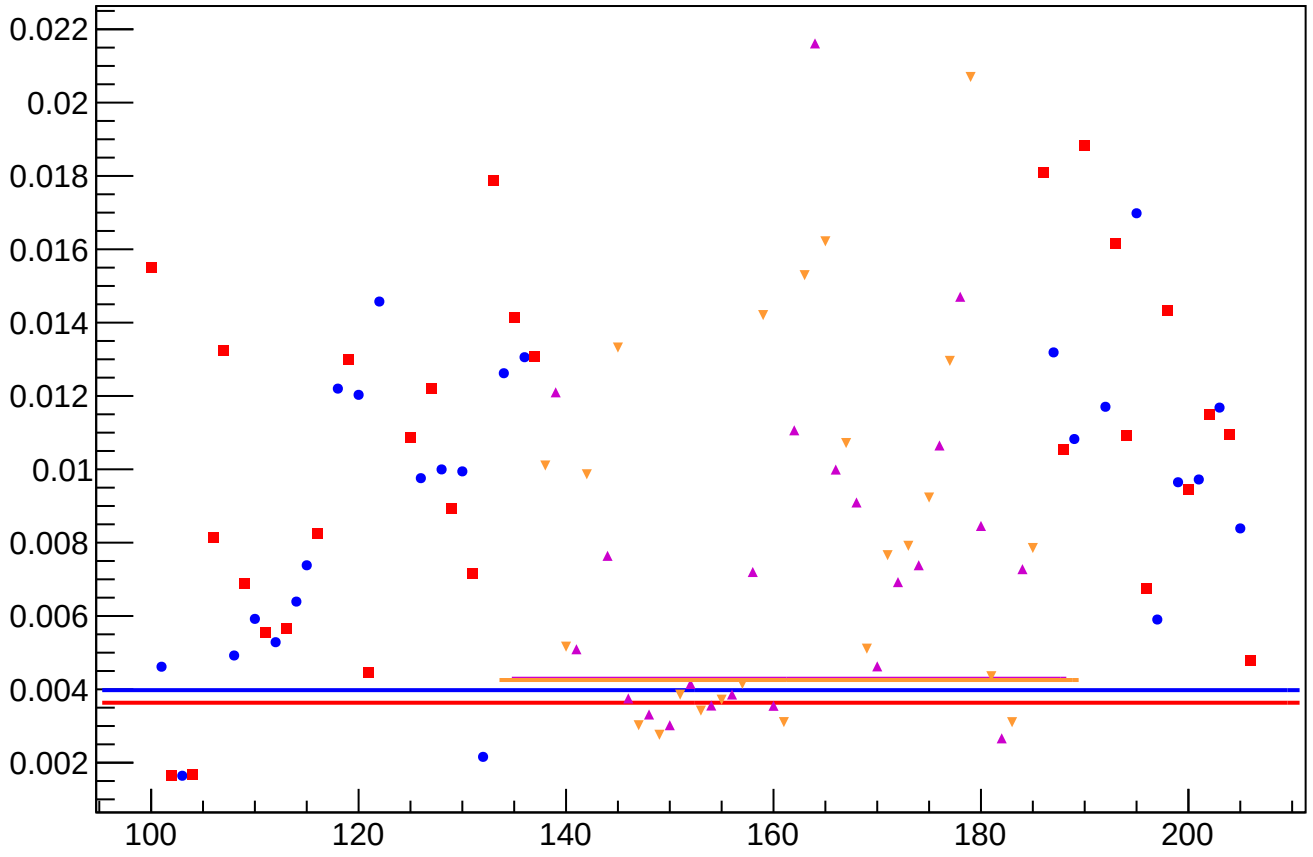
Right Out: -0.000+/-0.000 χ^2/NDF: 24.7/28

Left In: -0.000+/-0.000 χ^2/NDF:28.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 59.2/48

All: -0.000+/-0.000 χ^2/NDF: 113.3/100

- sign -0.000+/-0.000 χ^2/NDF: 53.2/51



Right In: 0.004+/-0.000 χ^2/NDF: 11504495.3/24

Left Out: 0.004+/-0.000 χ^2/NDF:8492565.6/23

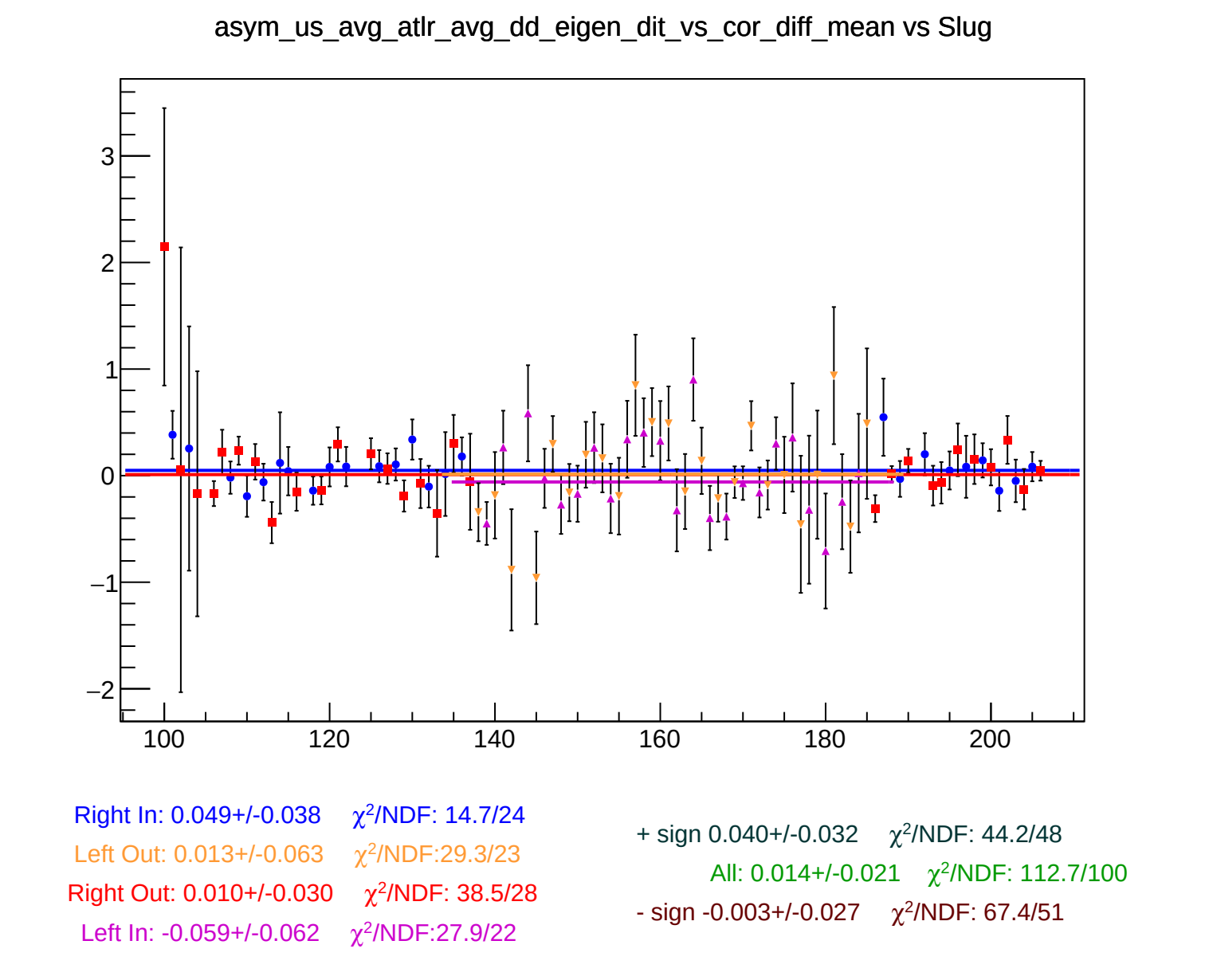
Right Out: 0.004+/-0.000 χ^2/NDF: 14400407.2/28

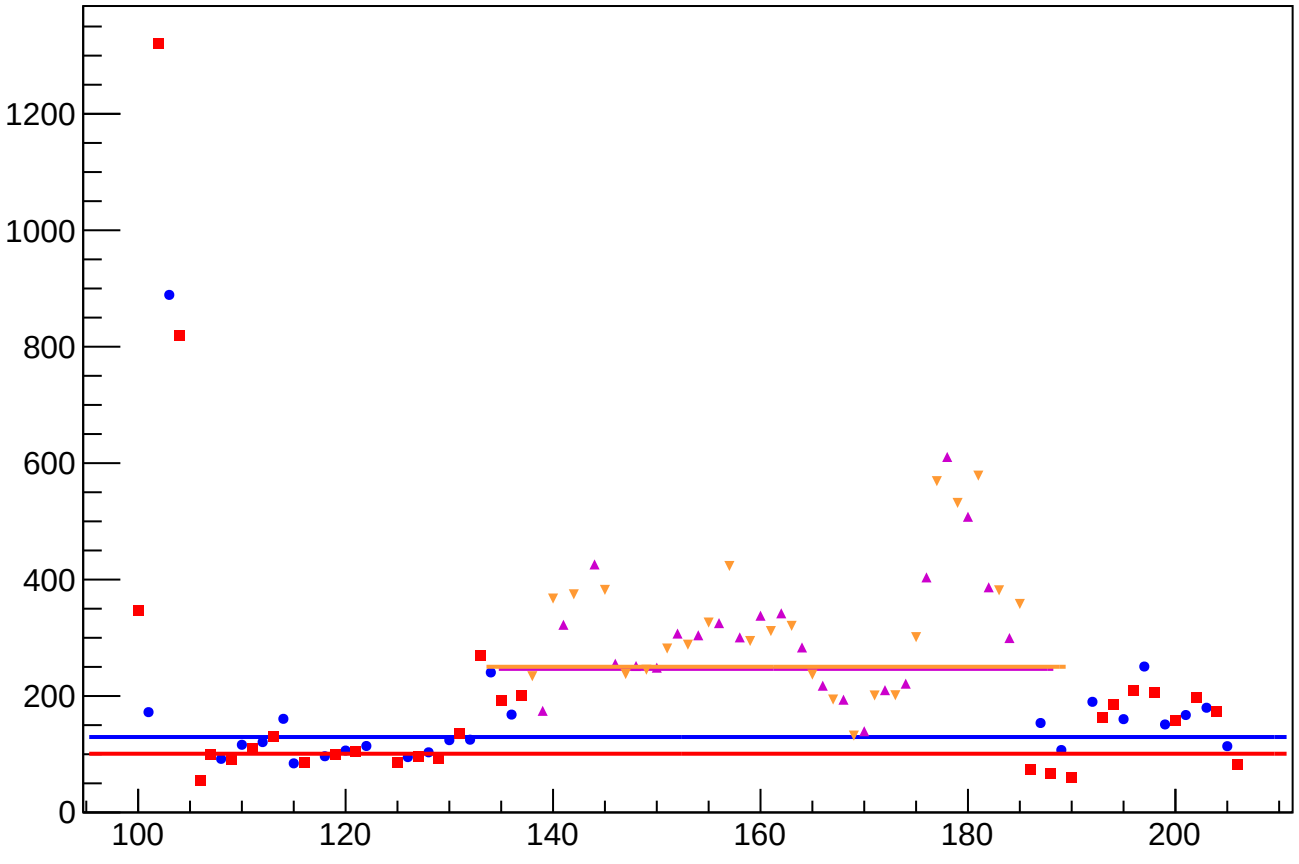
Left In: 0.004+/-0.000 χ^2/NDF:6598609.8/22

+ sign 0.004+/-0.000 χ^2/NDF: 20040660.2/48

All: 0.004+/-0.000 χ^2/NDF: 41354721.0/100

- sign 0.004+/-0.000 χ^2/NDF: 21281356.1/51


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs Slug
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.049+/-0.038 χ²/NDF: 14.7/24
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.010+/-0.030 χ²/NDF: 38.5/28
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.032 χ²/NDF: 44.2/48
All: 0.014+/-0.021 χ²/NDF: 112.7/100
- sign -0.003+/-0.027 χ²/NDF: 67.4/51



Right In: 129.566+/-0.027 χ^2/NDF: 2669630.7/24

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

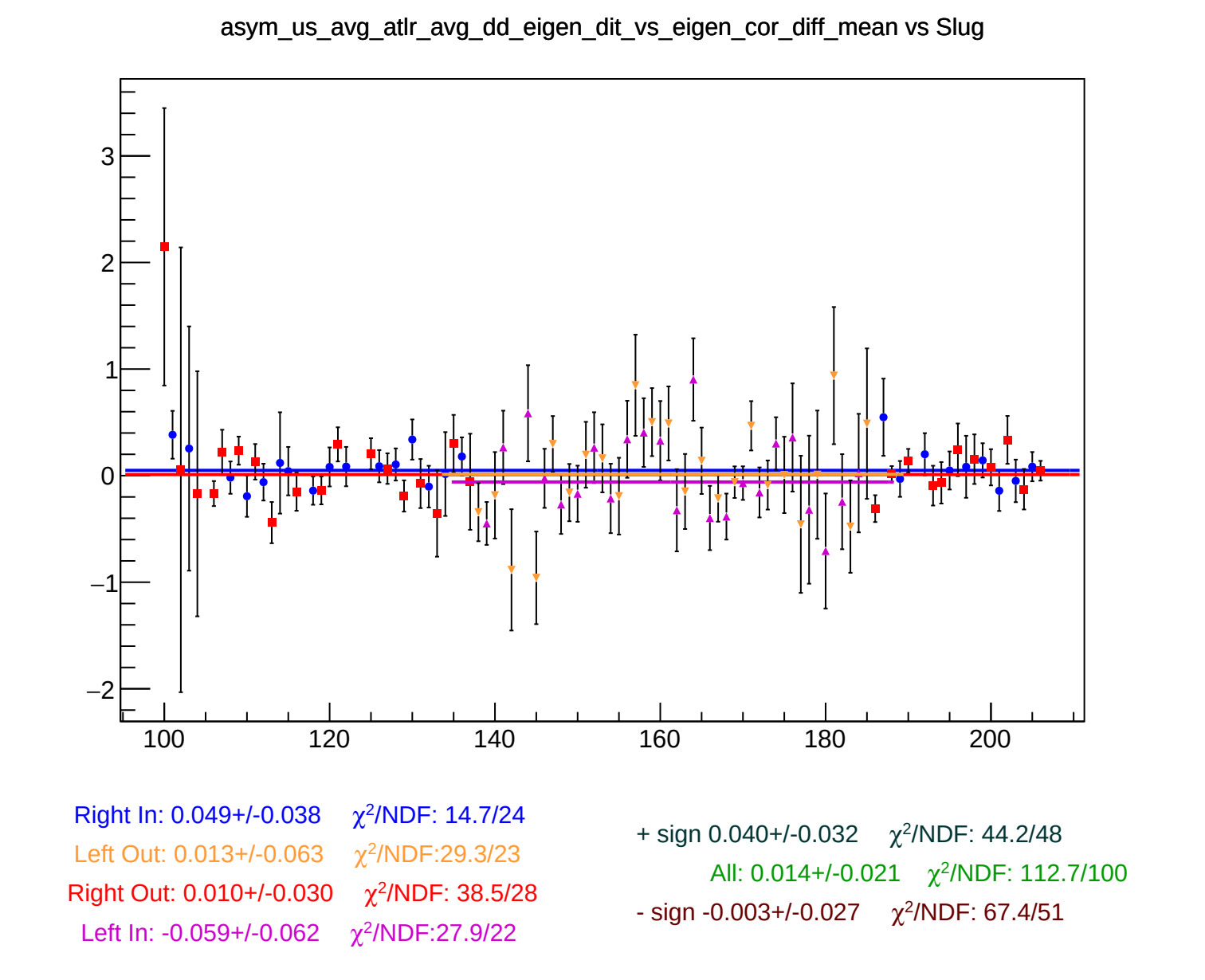
Right Out: 100.865+/-0.021 χ^2/NDF: 5807483.8/28

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 161.498+/-0.023 χ^2/NDF: 12418521.9/48

All: 141.389+/-0.015 χ^2/NDF: 32299484.8/10

- sign 127.791+/-0.019 χ^2/NDF: 18590430.2/51


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug
3
2
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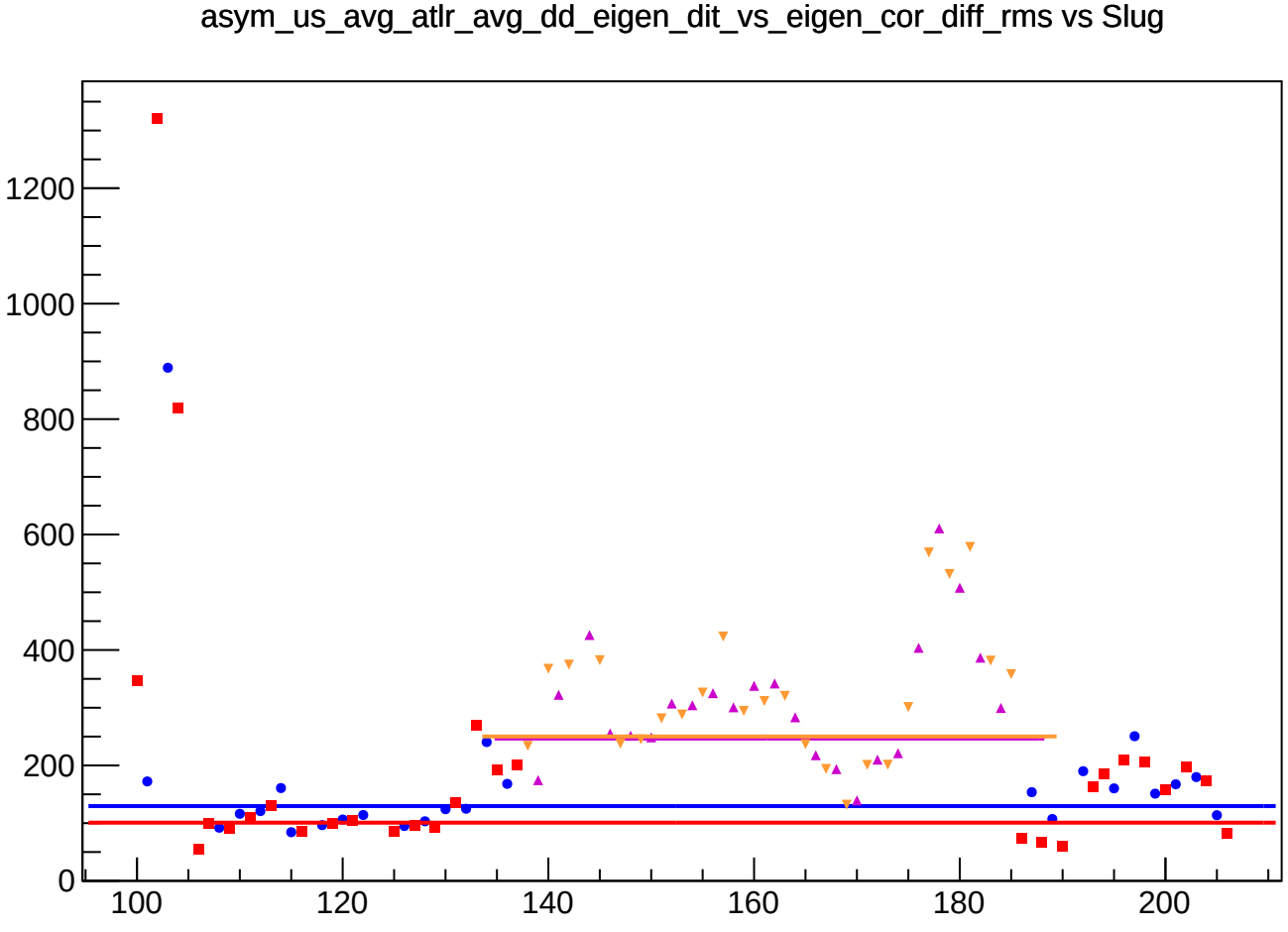
−1
−2
100
120
140
160
180
200
Right In: 0.049+/-0.038 χ²/NDF: 14.7/24
Left Out: 0.013+/-0.063 χ²/NDF:29.3/23
Right Out: 0.010+/-0.030 χ²/NDF: 38.5/28
Left In: -0.059+/-0.062 χ²/NDF:27.9/22
+ sign 0.040+/-0.032 χ²/NDF: 44.2/48
All: 0.014+/-0.021 χ²/NDF: 112.7/100
- sign -0.003+/-0.027 χ²/NDF: 67.4/51



Right In: 129.566+/-0.027 χ^2/NDF: 2669630.7/24

Left Out: 250.248+/-0.045 χ^2/NDF:4353323.9/23

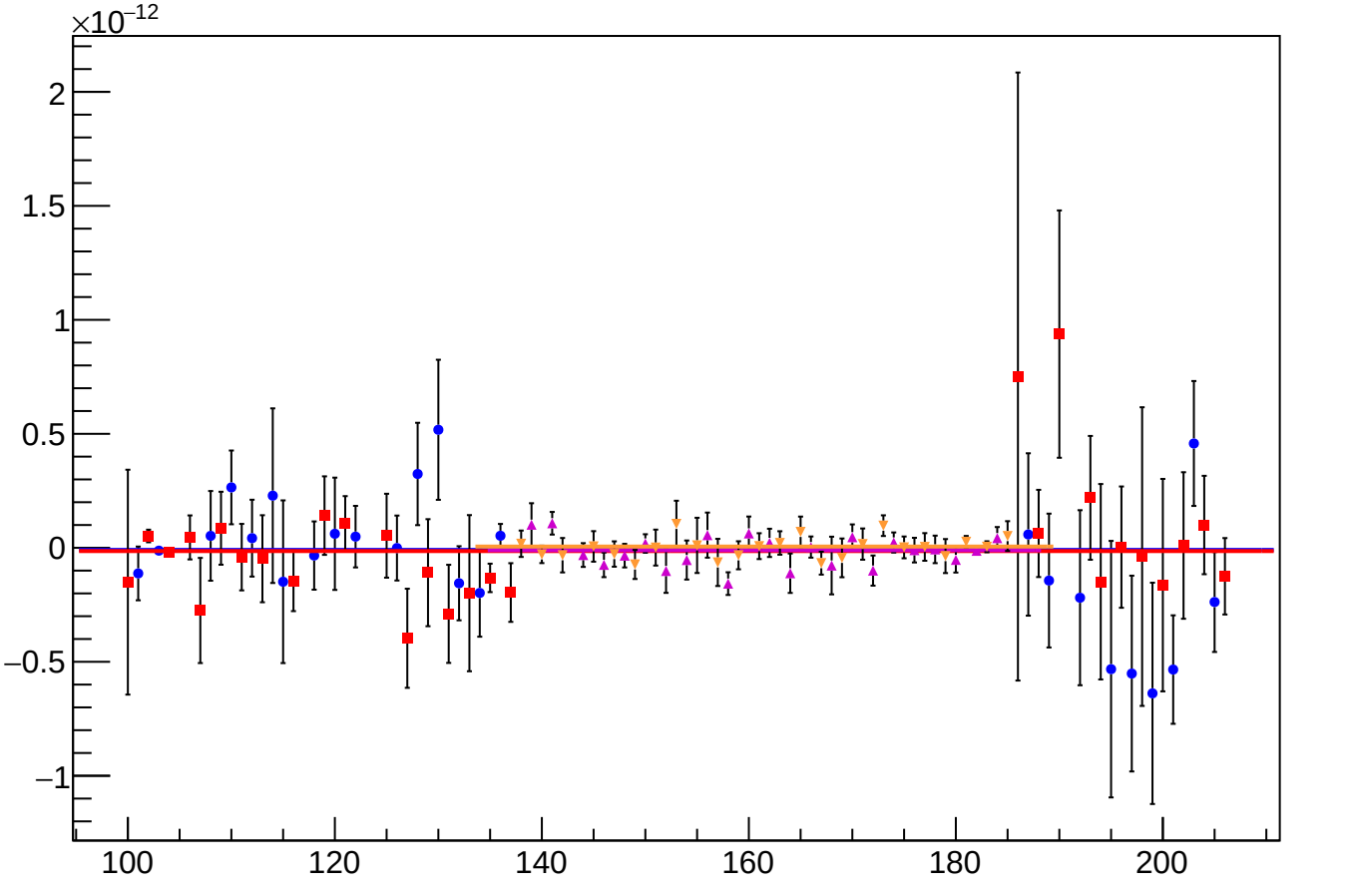
Right Out: 100.865+/-0.021 χ^2/NDF: 5807483.8/28

Left In: 246.632+/-0.044 χ^2/NDF:3773144.3/22

+ sign 161.498+/-0.023 χ^2/NDF: 12418521.9/48

All: 141.389+/-0.015 χ^2/NDF: 32299484.8/10

- sign 127.791+/-0.019 χ^2/NDF: 18590430.2/51



Right In: -0.000+/-0.000 χ^2/NDF: 26.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:13.8/23

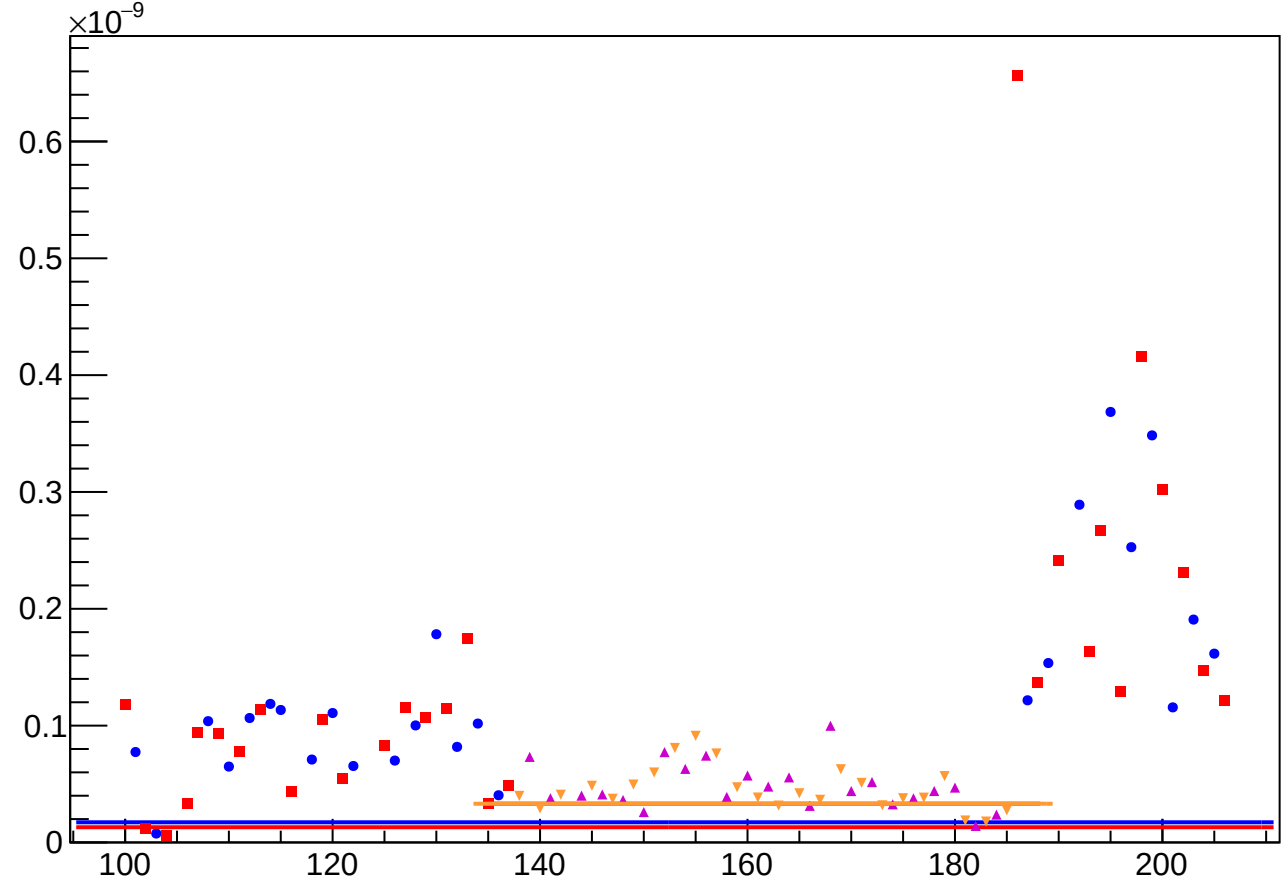
Right Out: -0.000+/-0.000 χ^2/NDF: 27.1/28

Left In: -0.000+/-0.000 χ^2/NDF:27.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/48

All: -0.000+/-0.000 χ^2/NDF: 97.6/100

- sign -0.000+/-0.000 χ^2/NDF: 55.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 11893600.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:4025318.1/23

Right Out: 0.000+/-0.000 χ^2/NDF: 13361190.1/28

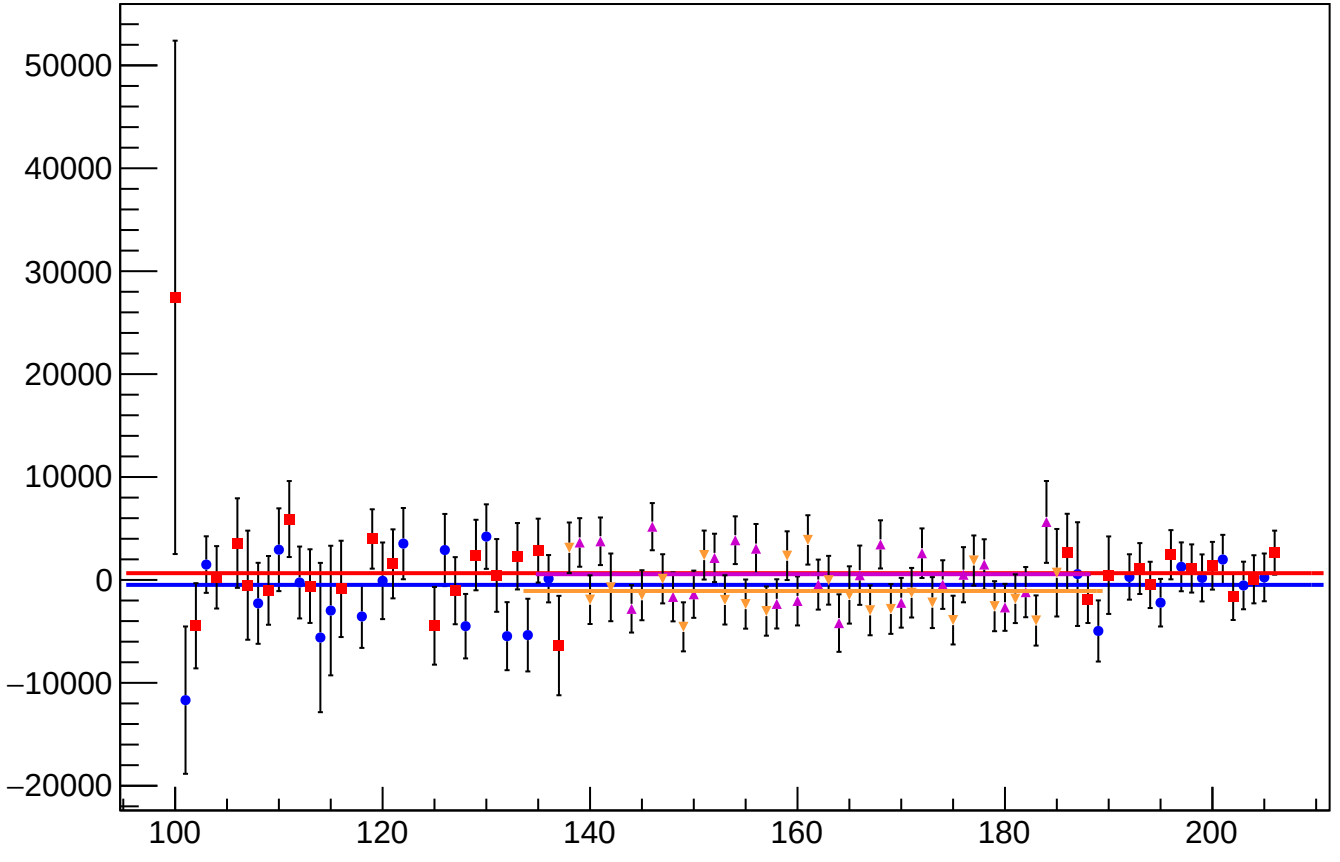
Left In: 0.000+/-0.000 χ^2/NDF:5018453.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 17843332.5/48

All: 0.000+/-0.000 χ^2/NDF: 40469409.3/100

- sign 0.000+/-0.000 χ^2/NDF: 22339944.9/51

reg_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -479.784+/-600.414 χ^2/NDF: 20.8/24

Left Out: -1072.863+/-505.534 χ^2/NDF:21.6/23

Right Out: 657.050+/-563.439 χ^2/NDF: 16.7/28

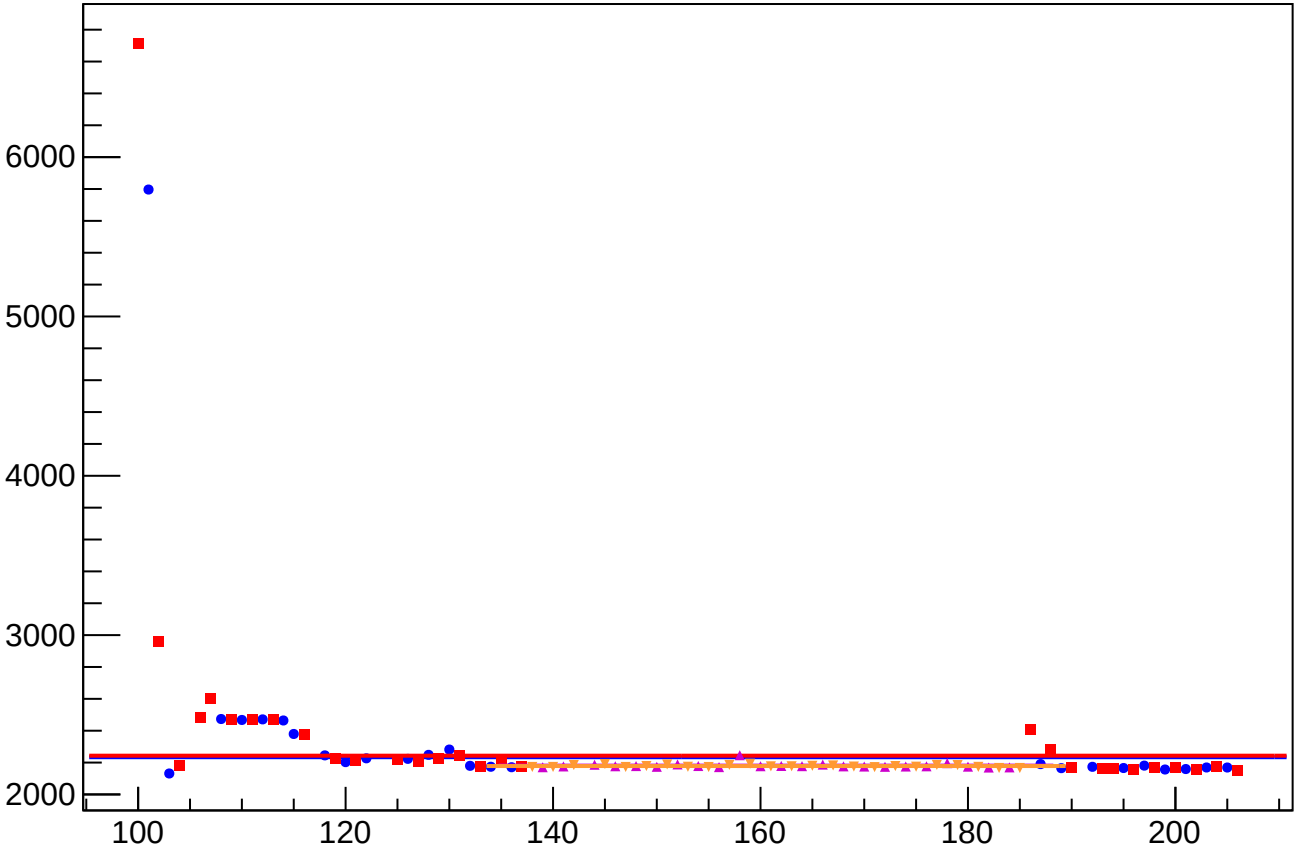
Left In: 557.052+/-509.208 χ^2/NDF:28.7/22

+ sign -826.832+/-386.714 χ^2/NDF: 42.9/48

All: -95.729+/-270.236 χ^2/NDF: 95.3/100

- sign 602.008+/-377.786 χ^2/NDF: 45.4/51

reg_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2233.715+/-0.425 χ^2/NDF: 540865.9/24

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

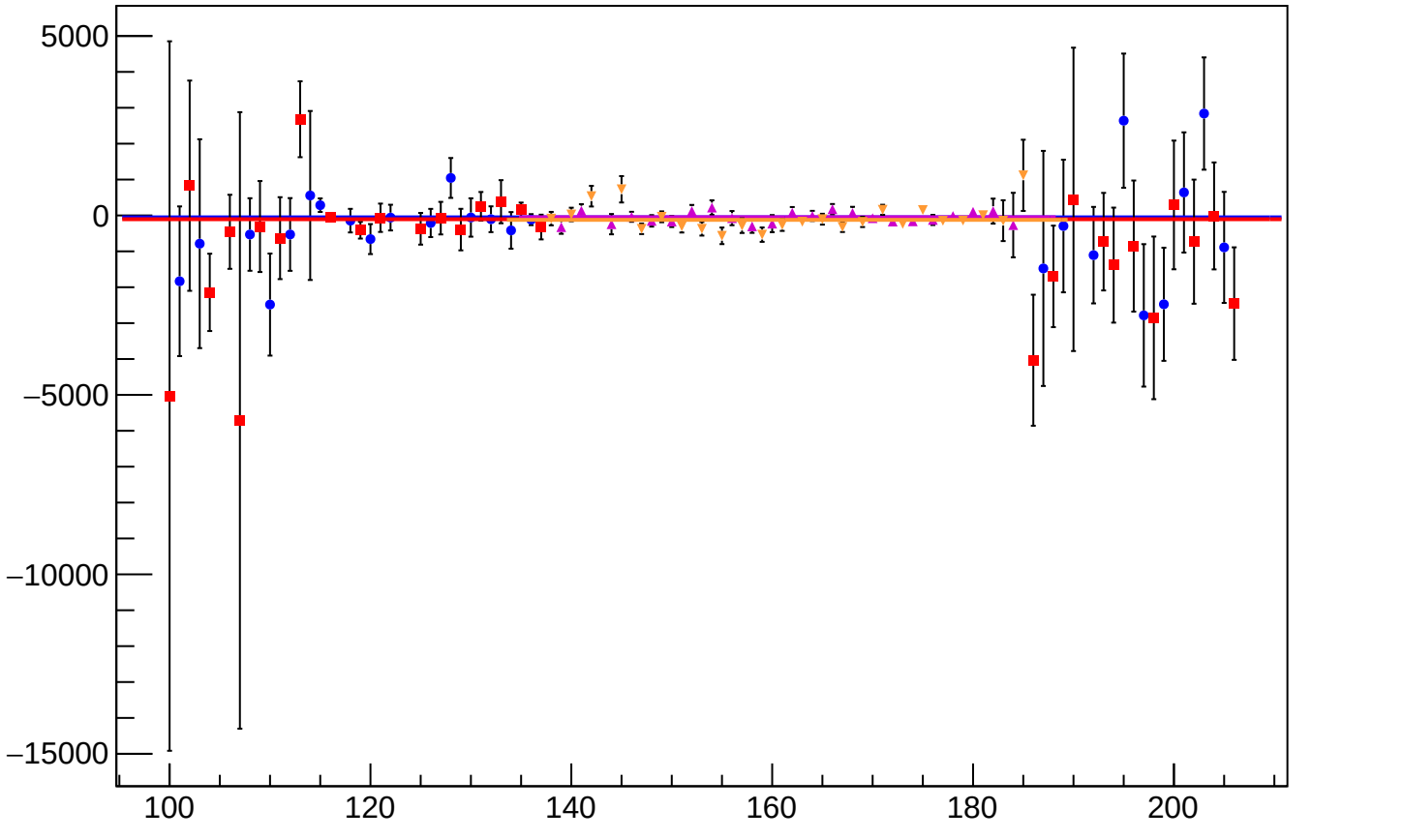
Right Out: 2243.217+/-0.398 χ^2/NDF: 193041.8/28

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2201.255+/-0.273 χ^2/NDF: 551244.2/48

All: 2205.180+/-0.191 χ^2/NDF: 760013.1/100

- sign 2208.926+/-0.267 χ^2/NDF: 208366.3/51



Right In: -52.924+/-89.784 χ^2/NDF: 25.4/24

Left Out: -123.007+/-31.408 χ^2/NDF:43.8/23

Right Out: -105.029+/-81.345 χ^2/NDF: 28.6/28

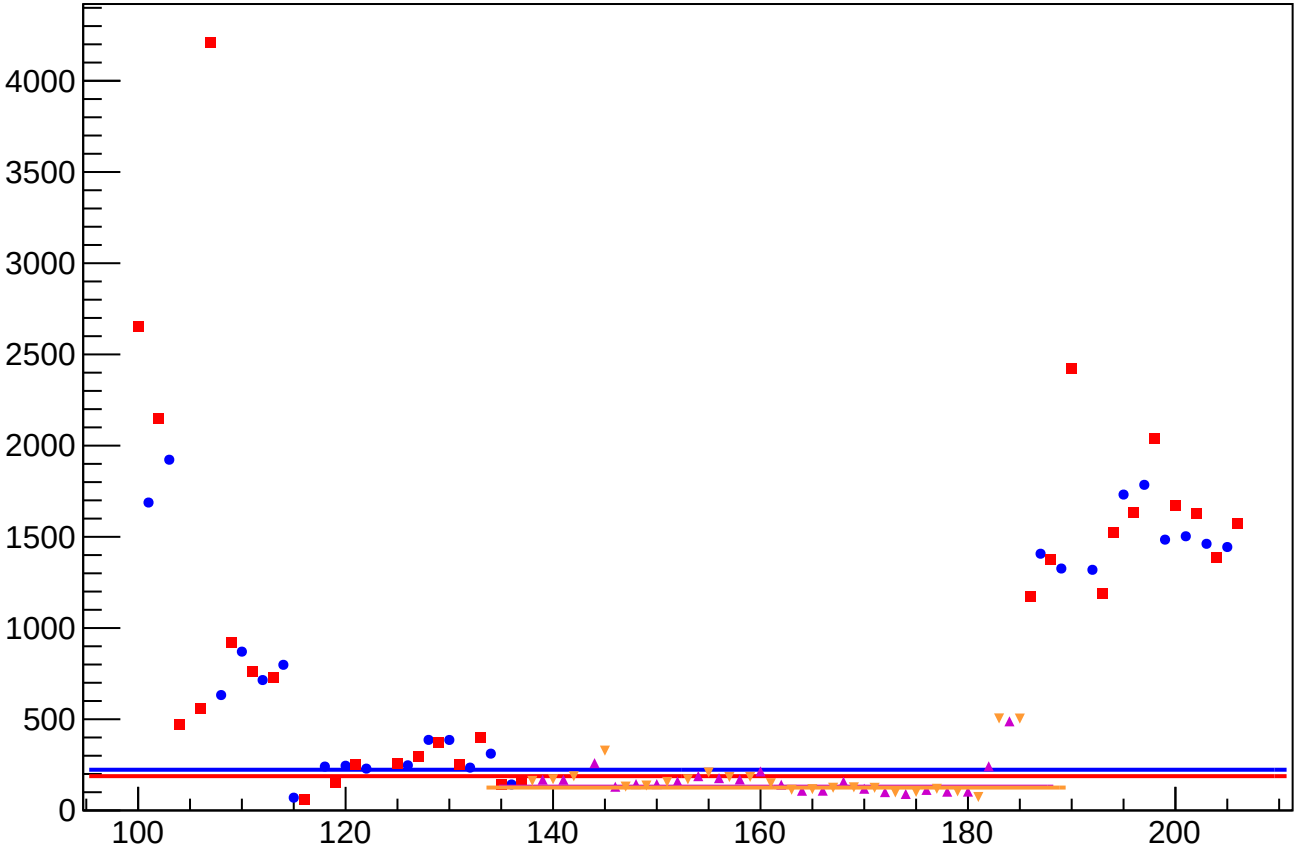
Left In: -50.317+/-32.545 χ^2/NDF:18.2/22

+ sign -115.366+/-29.646 χ^2/NDF: 69.8/48

All: -87.163+/-21.162 χ^2/NDF: 118.8/100

- sign -57.866+/-30.216 χ^2/NDF: 47.2/51

asym_us_dd_at1lr_dd_avg_reg_correction_rms vs Slug



Right In: 223.193+/-0.063 χ^2/NDF: 15103920.1/24

Left Out: 125.506+/-0.022 χ^2/NDF:3942746.1/23

Right Out: 188.047+/-0.058 χ^2/NDF: 19707808.5/28

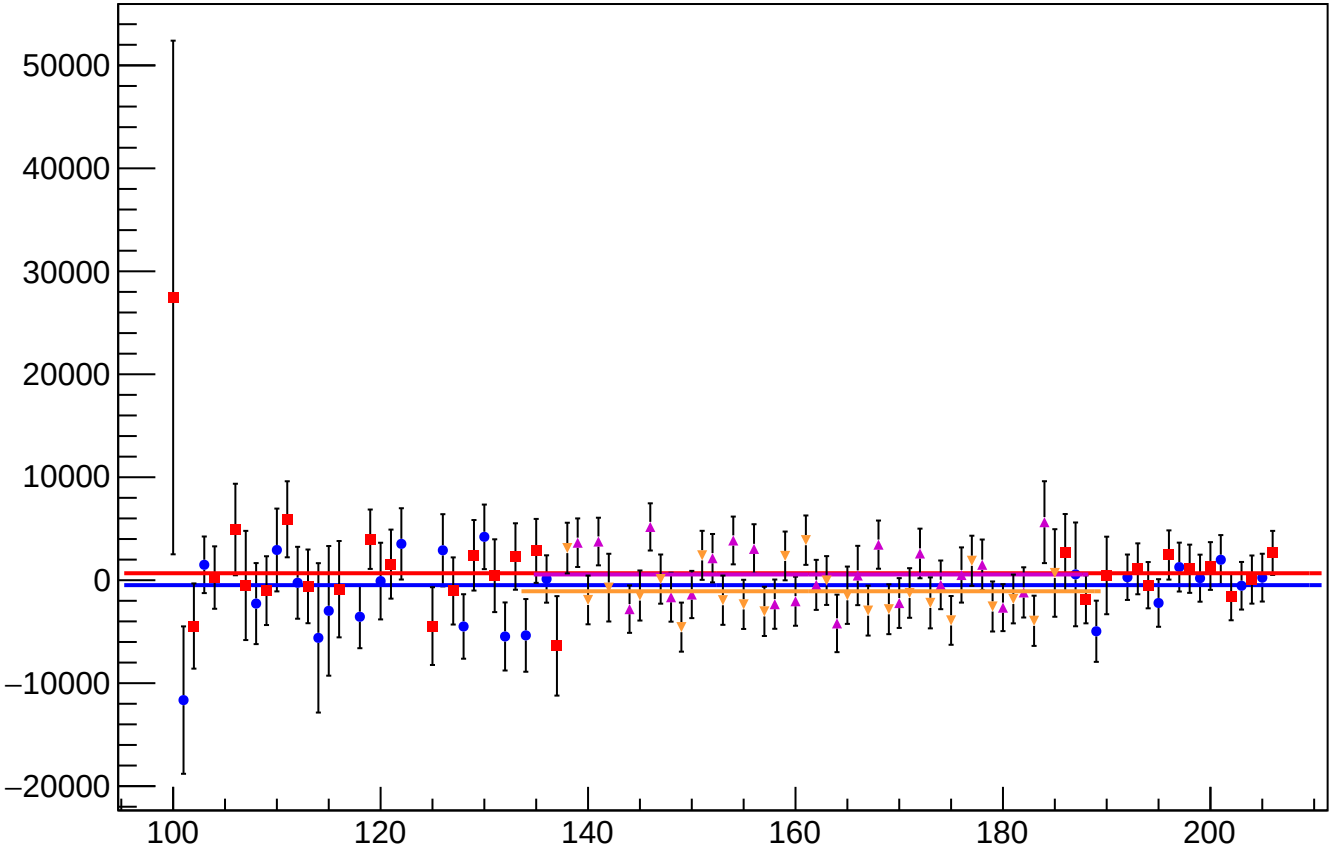
Left In: 130.436+/-0.023 χ^2/NDF:2679692.6/22

+ sign 136.157+/-0.021 χ^2/NDF: 21156102.6/48

All: 137.250+/-0.015 χ^2/NDF: 44413898.6/10

- sign 138.385+/-0.021 χ^2/NDF: 23252254.0/51

cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -479.291+/-600.414 χ^2/NDF: 20.7/24

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 676.761+/-563.636 χ^2/NDF: 17.2/28

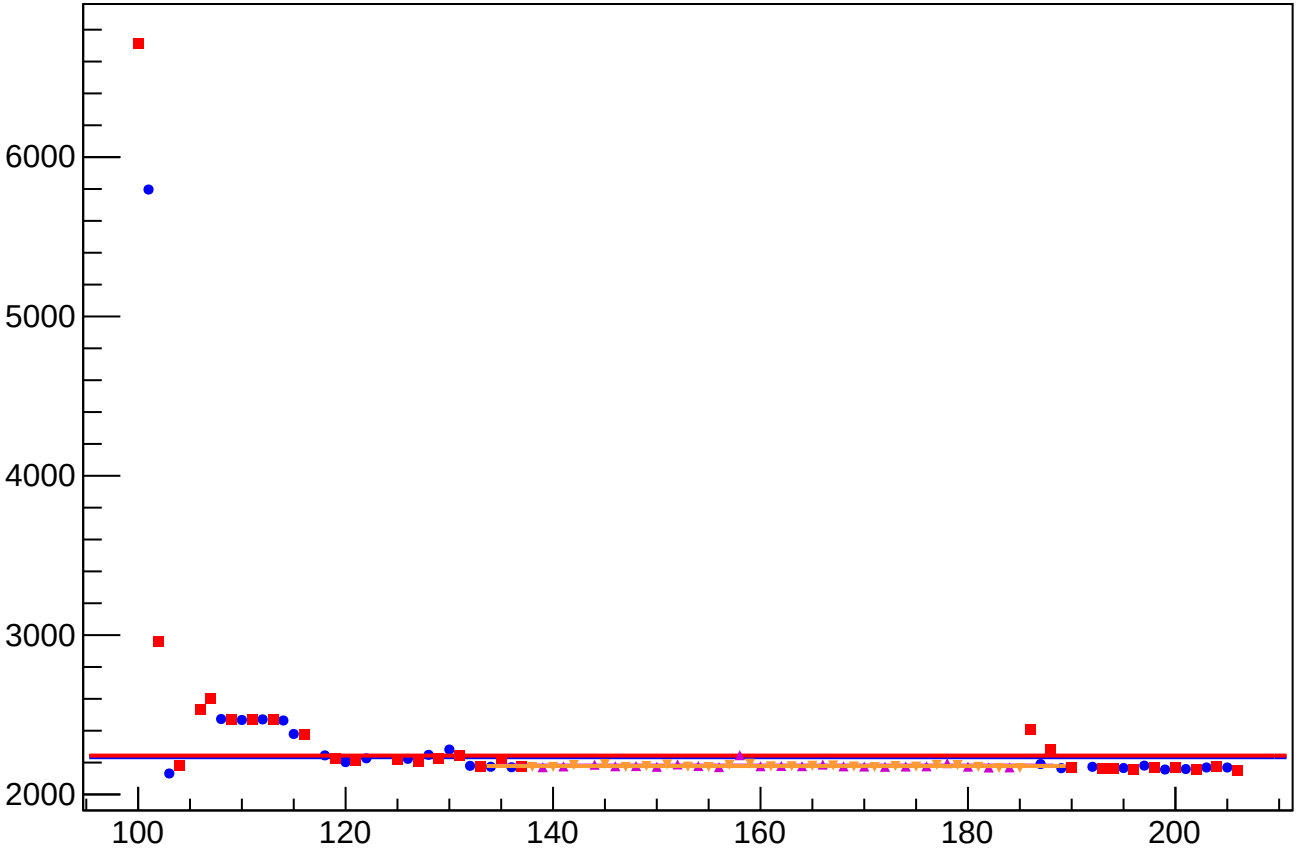
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -826.588+/-386.714 χ^2/NDF: 42.9/48

All: -91.191+/-270.258 χ^2/NDF: 95.9/100

- sign 610.864+/-377.845 χ^2/NDF: 45.9/51

cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2233.715+/-0.425 χ^2/NDF: 540866.2/24

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

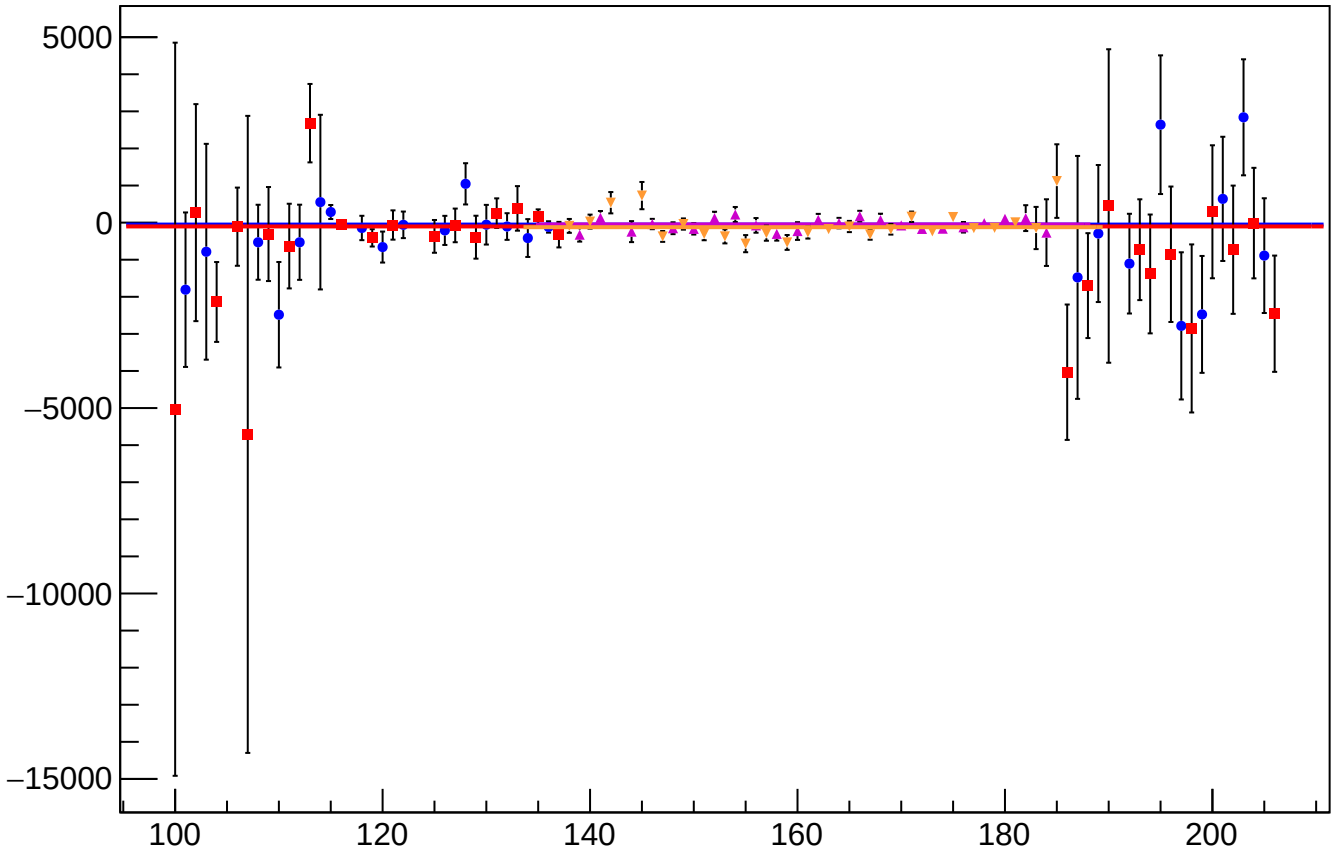
Right Out: 2243.865+/-0.399 χ^2/NDF: 195517.2/28

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2201.255+/-0.273 χ^2/NDF: 551244.5/48

All: 2205.323+/-0.191 χ^2/NDF: 762795.0/100

- sign 2209.207+/-0.267 χ^2/NDF: 211117.9/51



Right In: -52.957+/-89.789 χ^2/NDF: 25.4/24

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

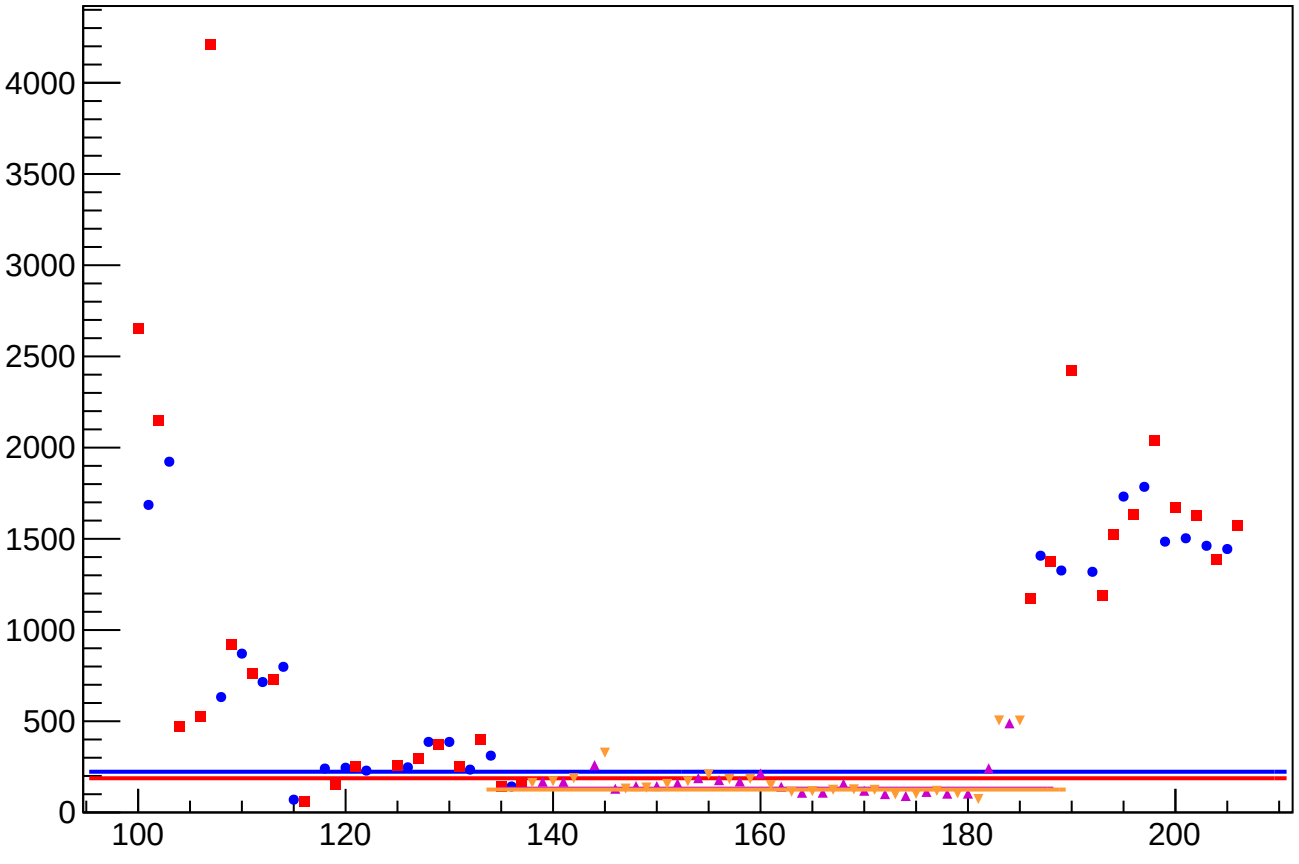
Right Out: -103.034+/-81.286 χ^2/NDF: 28.4/28

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.300+/-29.647 χ^2/NDF: 69.7/48

All: -86.954+/-21.162 χ^2/NDF: 118.6/100

- sign -57.509+/-30.216 χ^2/NDF: 47.0/51



Right In: 223.221+/-0.063 χ^2/NDF: 15102399.1/24

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 187.457+/-0.057 χ^2/NDF: 19673557.0/28

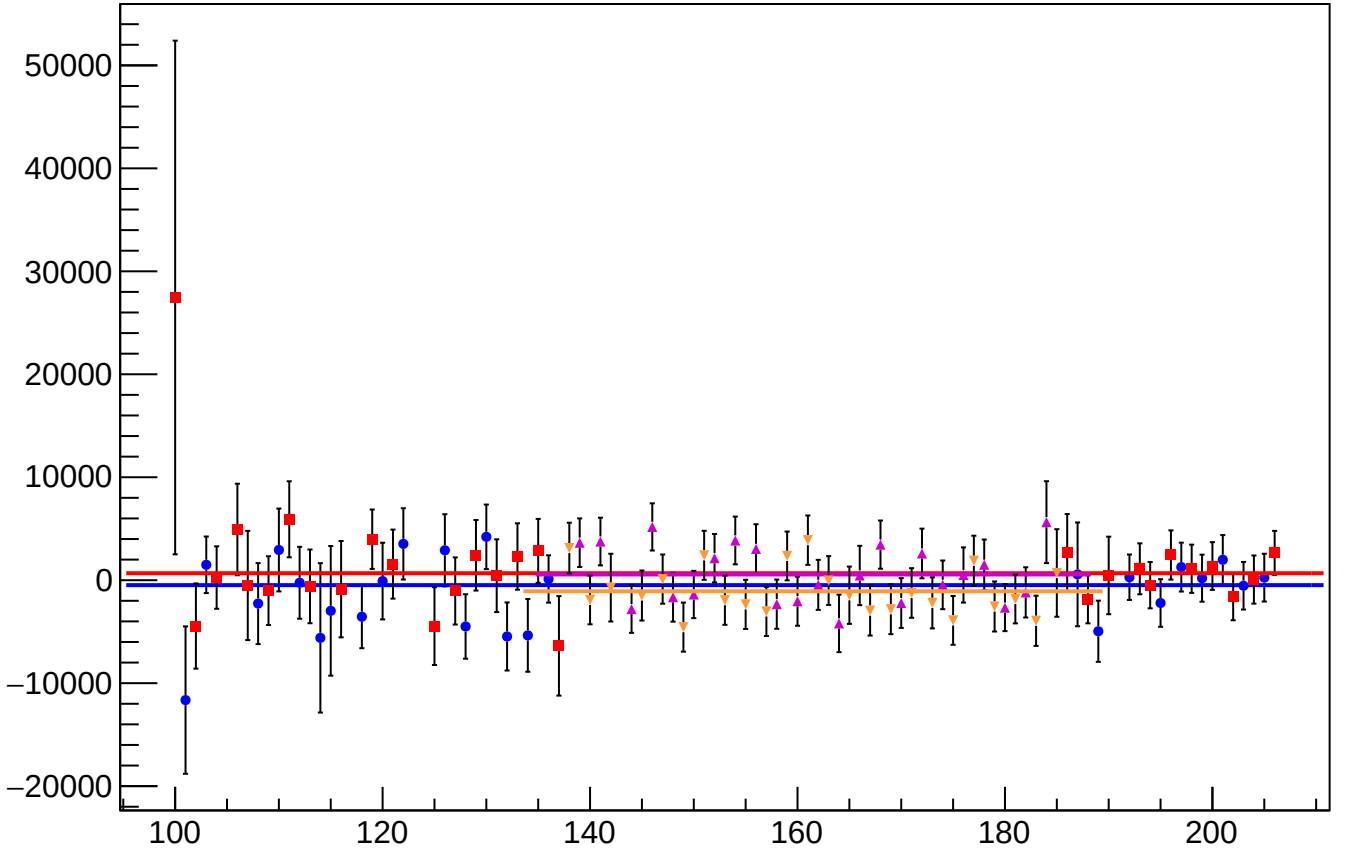
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 136.156+/-0.021 χ^2/NDF: 21156532.3/48

All: 137.221+/-0.015 χ^2/NDF: 44362453.3/10

- sign 138.328+/-0.021 χ^2/NDF: 23200653.9/51

eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -479.291+/-600.414 χ^2/NDF: 20.7/24

Left Out: -1072.795+/-505.534 χ^2/NDF:21.6/23

Right Out: 676.761+/-563.636 χ^2/NDF: 17.2/28

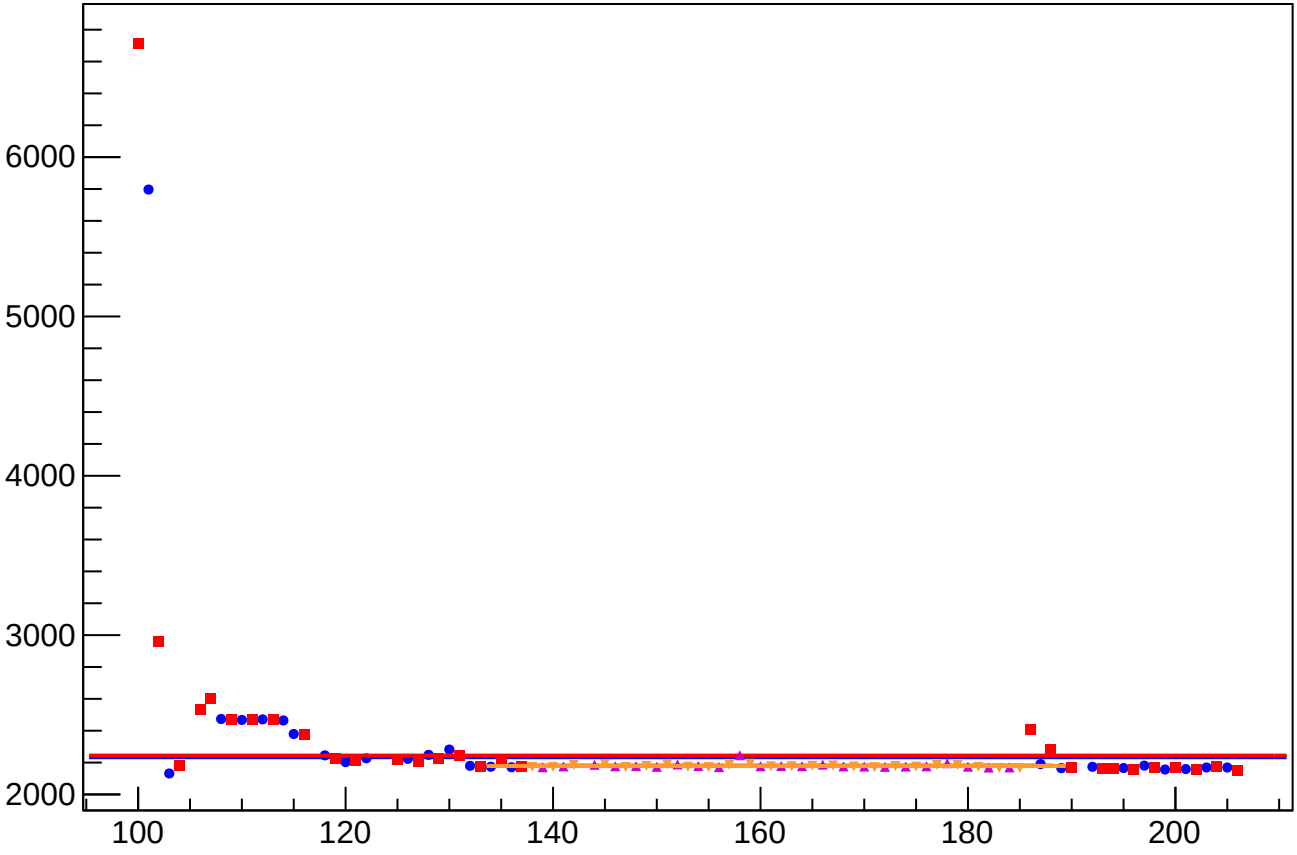
Left In: 557.079+/-509.208 χ^2/NDF:28.7/22

+ sign -826.588+/-386.714 χ^2/NDF: 42.9/48

All: -91.191+/-270.258 χ^2/NDF: 95.9/100

- sign 610.864+/-377.845 χ^2/NDF: 45.9/51

eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2233.715+/-0.425 χ^2/NDF: 540866.2/24

Left Out: 2178.244+/-0.357 χ^2/NDF:389.1/23

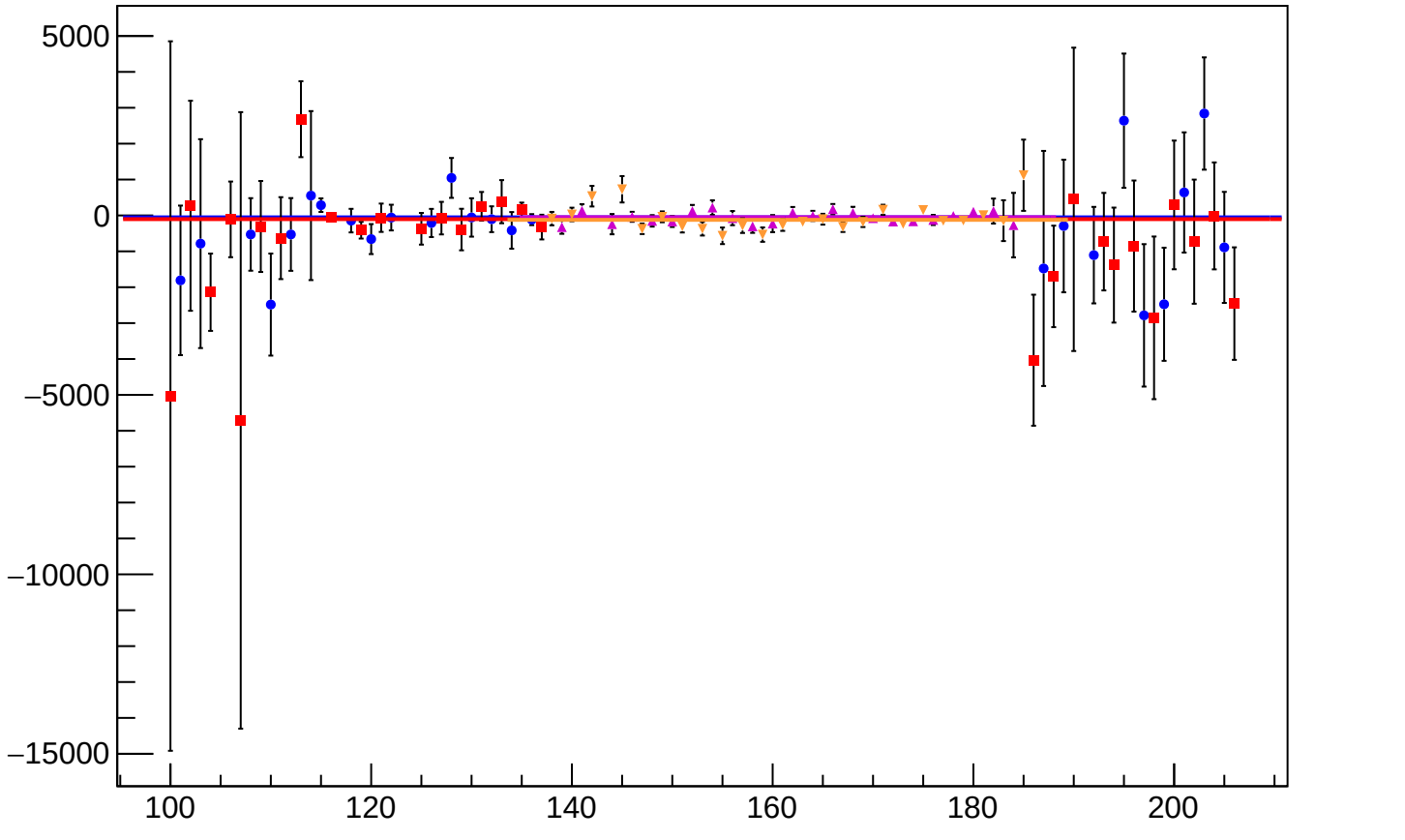
Right Out: 2243.865+/-0.399 χ^2/NDF: 195517.2/28

Left In: 2180.919+/-0.360 χ^2/NDF:1866.2/22

+ sign 2201.255+/-0.273 χ^2/NDF: 551244.5/48

All: 2205.323+/-0.191 χ^2/NDF: 762795.0/100

- sign 2209.207+/-0.267 χ^2/NDF: 211117.9/51



Right In: -52.957+/-89.789 χ^2/NDF: 25.4/24

Left Out: -122.928+/-31.408 χ^2/NDF:43.8/23

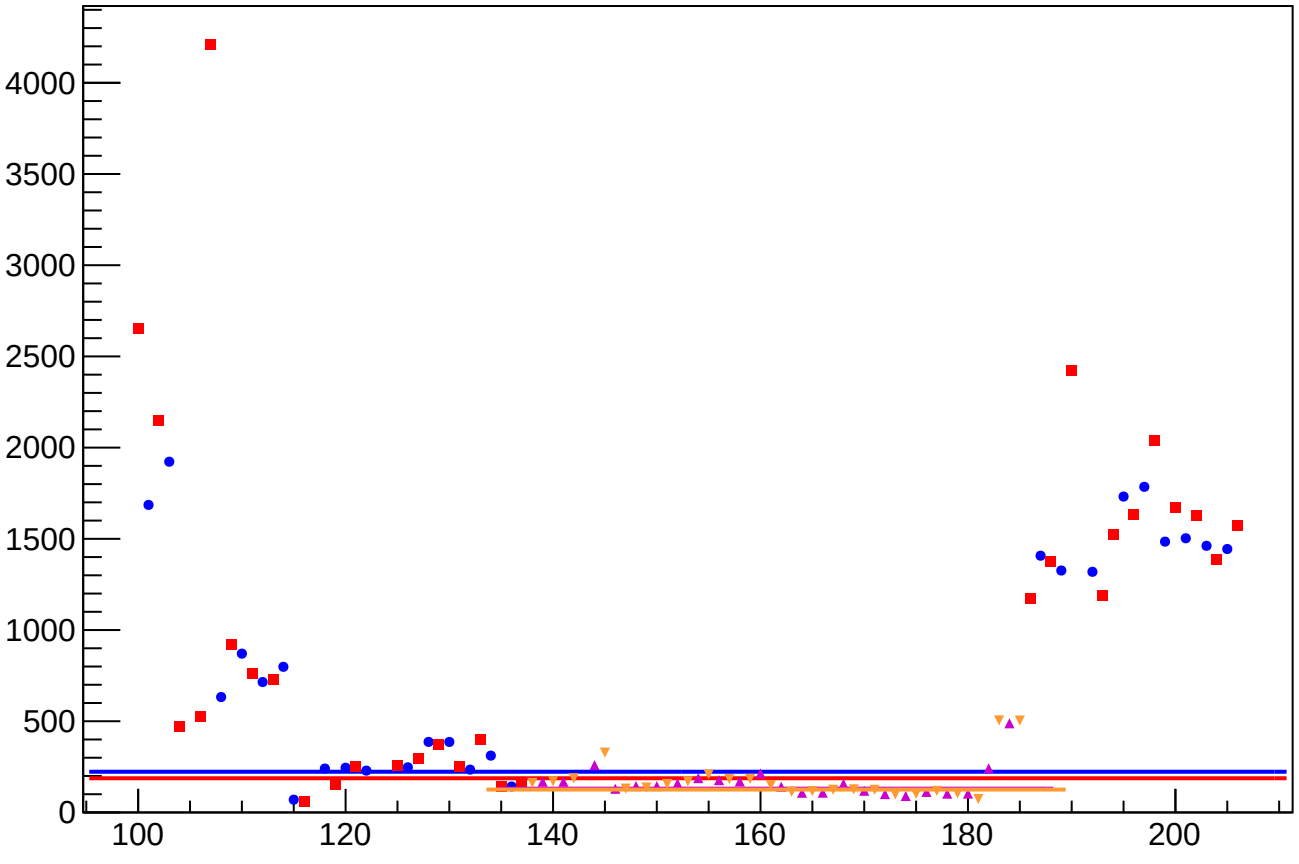
Right Out: -103.034+/-81.286 χ^2/NDF: 28.4/28

Left In: -50.209+/-32.548 χ^2/NDF:18.3/22

+ sign -115.300+/-29.647 χ^2/NDF: 69.7/48

All: -86.954+/-21.162 χ^2/NDF: 118.6/100

- sign -57.509+/-30.216 χ^2/NDF: 47.0/51



Right In: 223.221+/-0.063 χ^2/NDF: 15102399.1/24

Left Out: 125.503+/-0.022 χ^2/NDF:3943570.9/23

Right Out: 187.457+/-0.057 χ^2/NDF: 19673557.0/28

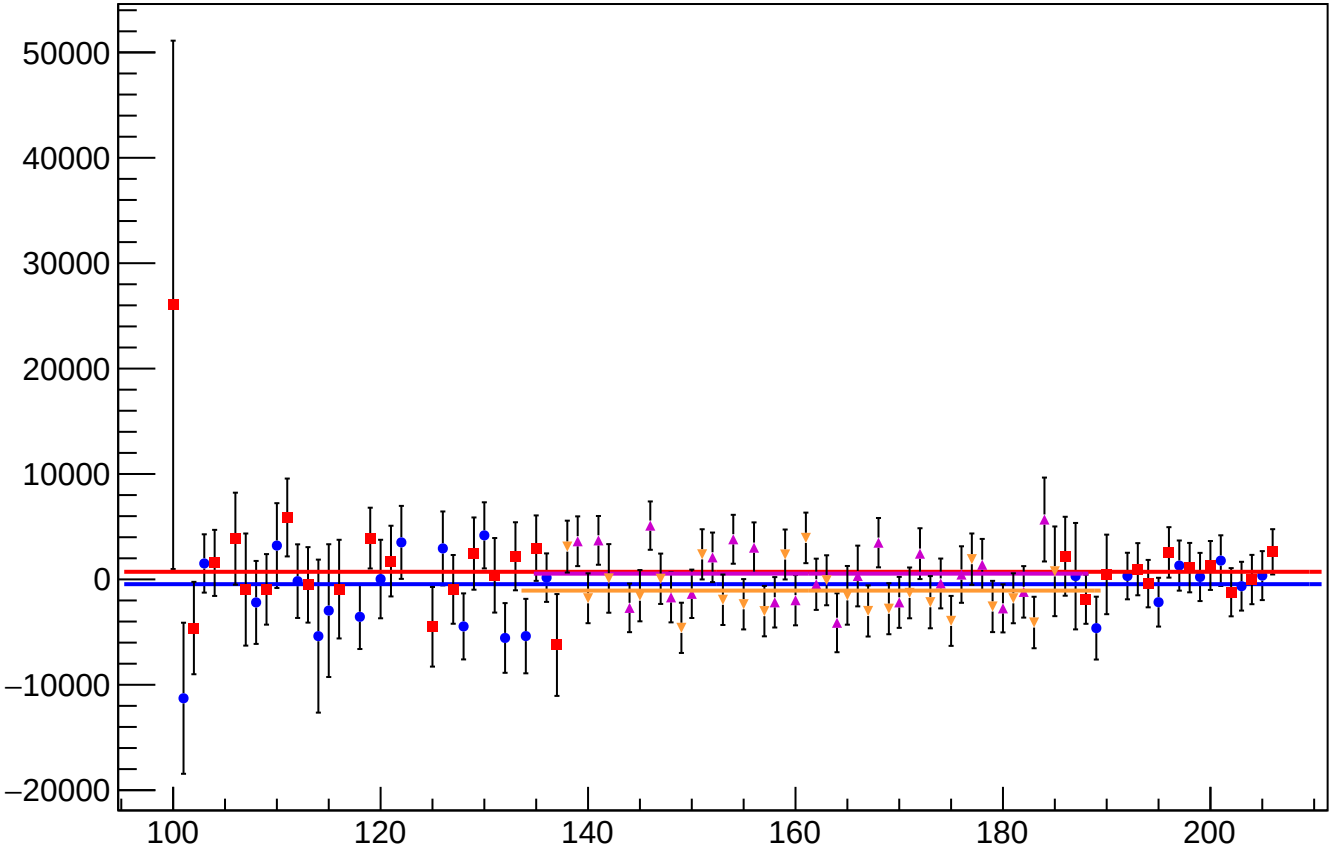
Left In: 130.451+/-0.023 χ^2/NDF:2679365.4/22

+ sign 136.156+/-0.021 χ^2/NDF: 21156532.3/48

All: 137.221+/-0.015 χ^2/NDF: 44362453.3/10

- sign 138.328+/-0.021 χ^2/NDF: 23200653.9/51

dit_asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -454.139+/-601.128 χ^2/NDF: 20.2/24

Left Out: -1062.372+/-505.627 χ^2/NDF:21.9/23

Right Out: 720.110+/-565.300 χ^2/NDF: 16.1/28

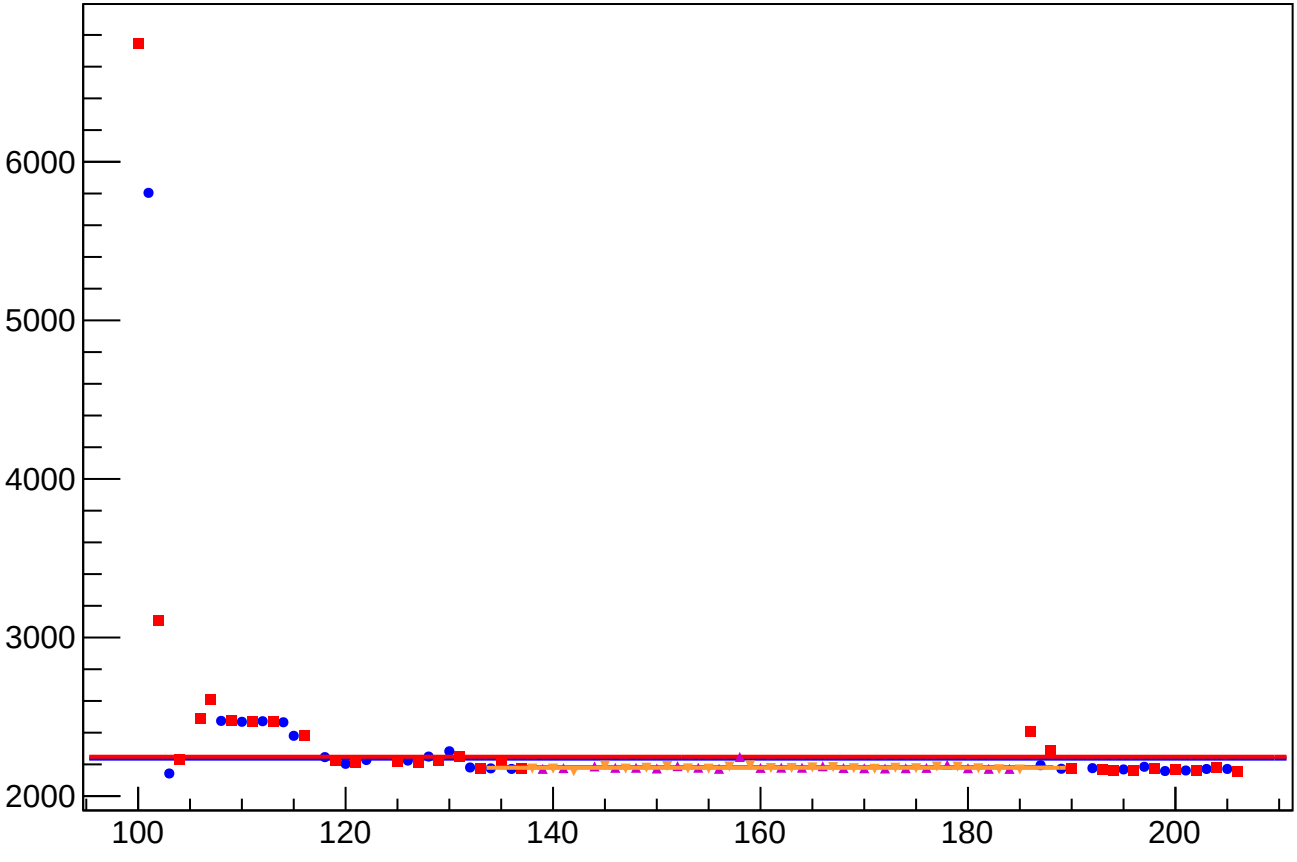
Left In: 544.260+/-509.433 χ^2/NDF:27.9/22

+ sign -810.352+/-386.945 χ^2/NDF: 42.7/48

All: -77.711+/-270.554 χ^2/NDF: 93.8/100

- sign 623.069+/-378.438 χ^2/NDF: 44.1/51

dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2236.260+/-0.425 χ^2/NDF: 540116.1/24

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

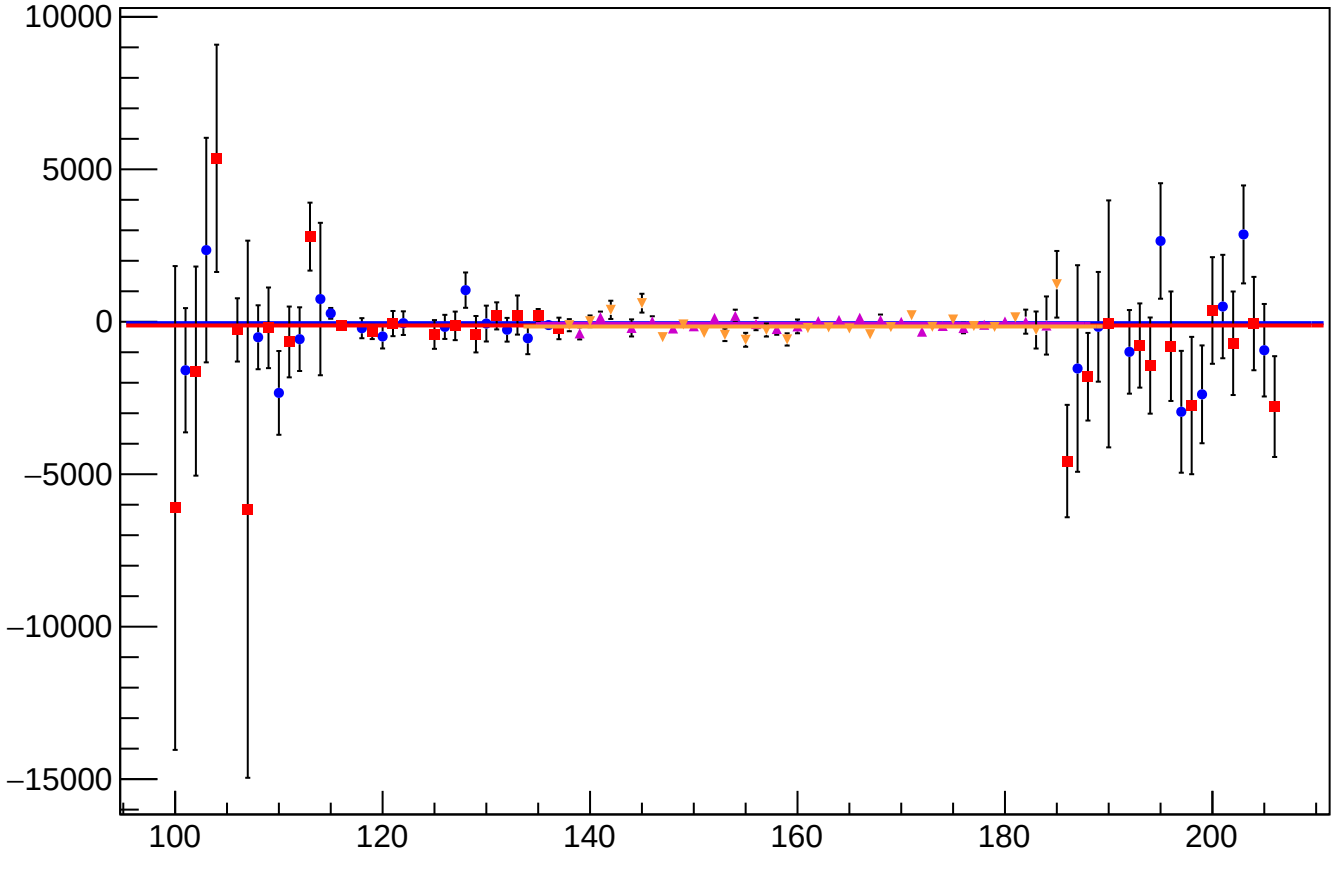
Right Out: 2248.333+/-0.400 χ^2/NDF: 210858.4/28

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

+ sign 2202.435+/-0.274 χ^2/NDF: 551385.3/48

All: 2207.151+/-0.191 χ^2/NDF: 779913.7/100

- sign 2211.663+/-0.268 χ^2/NDF: 227947.1/51



Right In: -45.407+/-91.242 χ^2/NDF: 24.7/24

Left Out: -154.725+/-34.061 χ^2/NDF:47.3/23

Right Out: -121.291+/-84.919 χ^2/NDF: 27.5/28

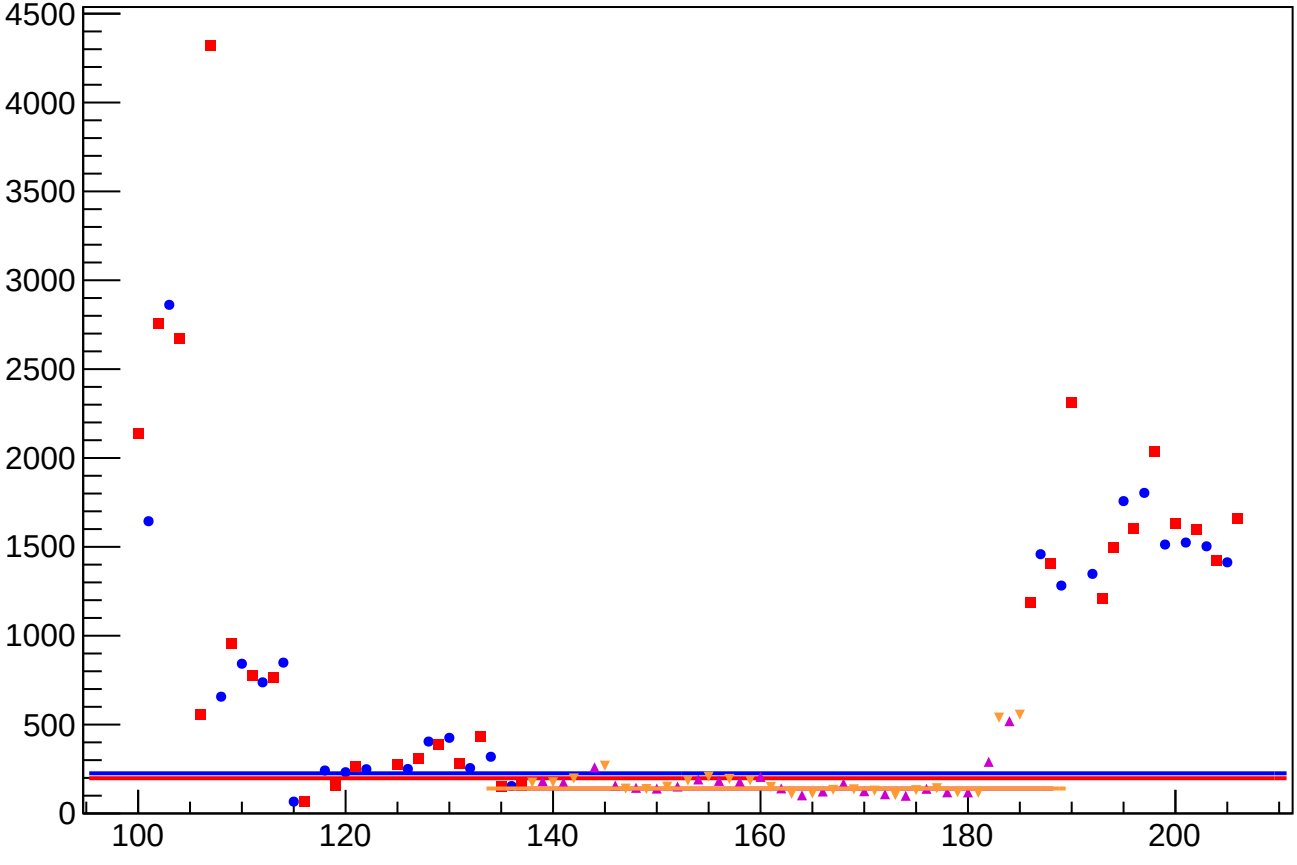
Left In: -70.142+/-34.204 χ^2/NDF:18.9/22

+ sign -141.354+/-31.910 χ^2/NDF: 73.3/48

All: -109.134+/-22.499 χ^2/NDF: 122.1/100

- sign -77.281+/-31.727 χ^2/NDF: 46.8/51

asym_us_dd_at1lr_dd_avg_dit_correction_rms vs Slug



Right In: 225.826+/-0.065 χ^2/NDF: 15661768.2/24

Left Out: 140.319+/-0.024 χ^2/NDF:2760284.0/23

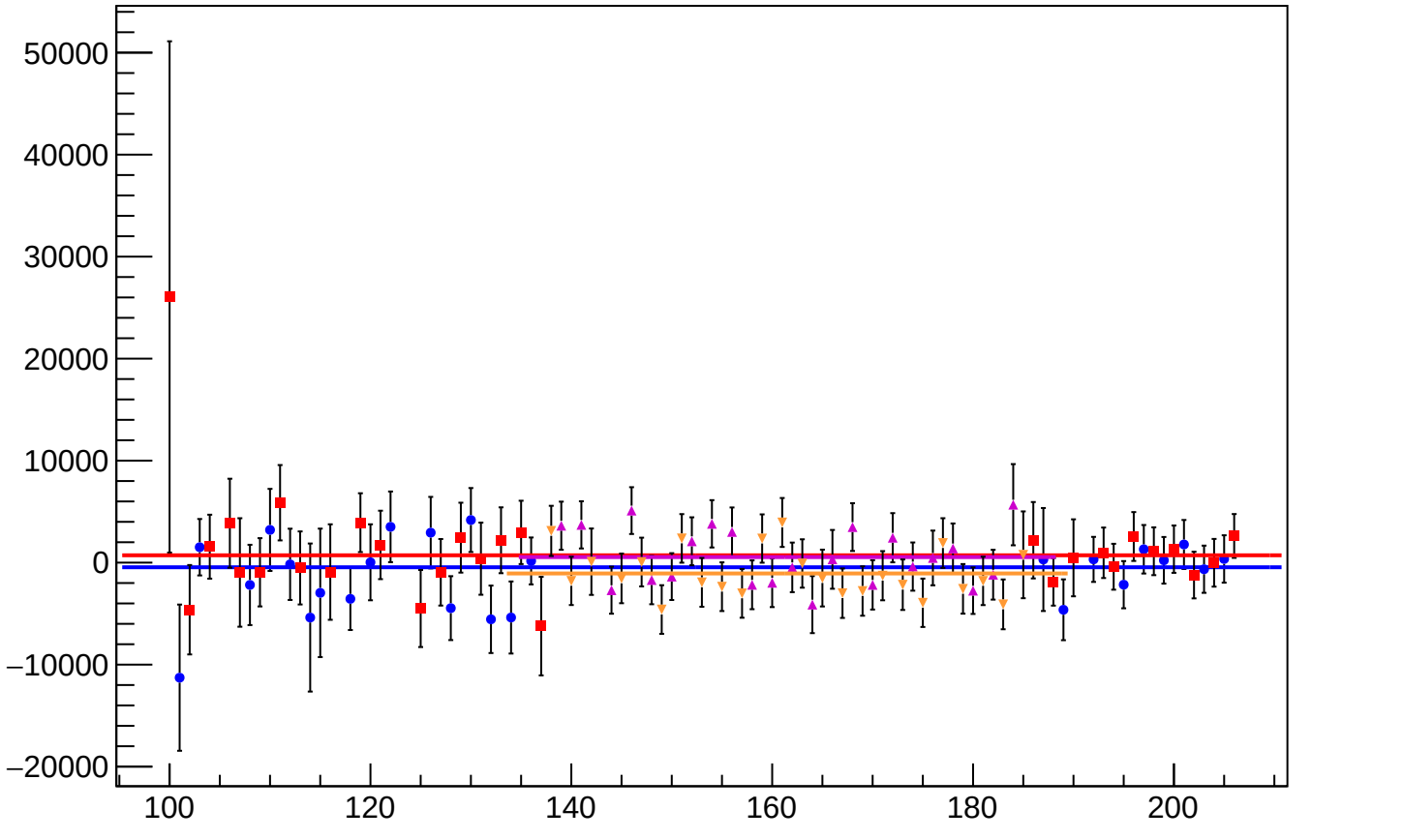
Right Out: 198.184+/-0.060 χ^2/NDF: 20487936.1/28

Left In: 139.979+/-0.024 χ^2/NDF:2412455.4/22

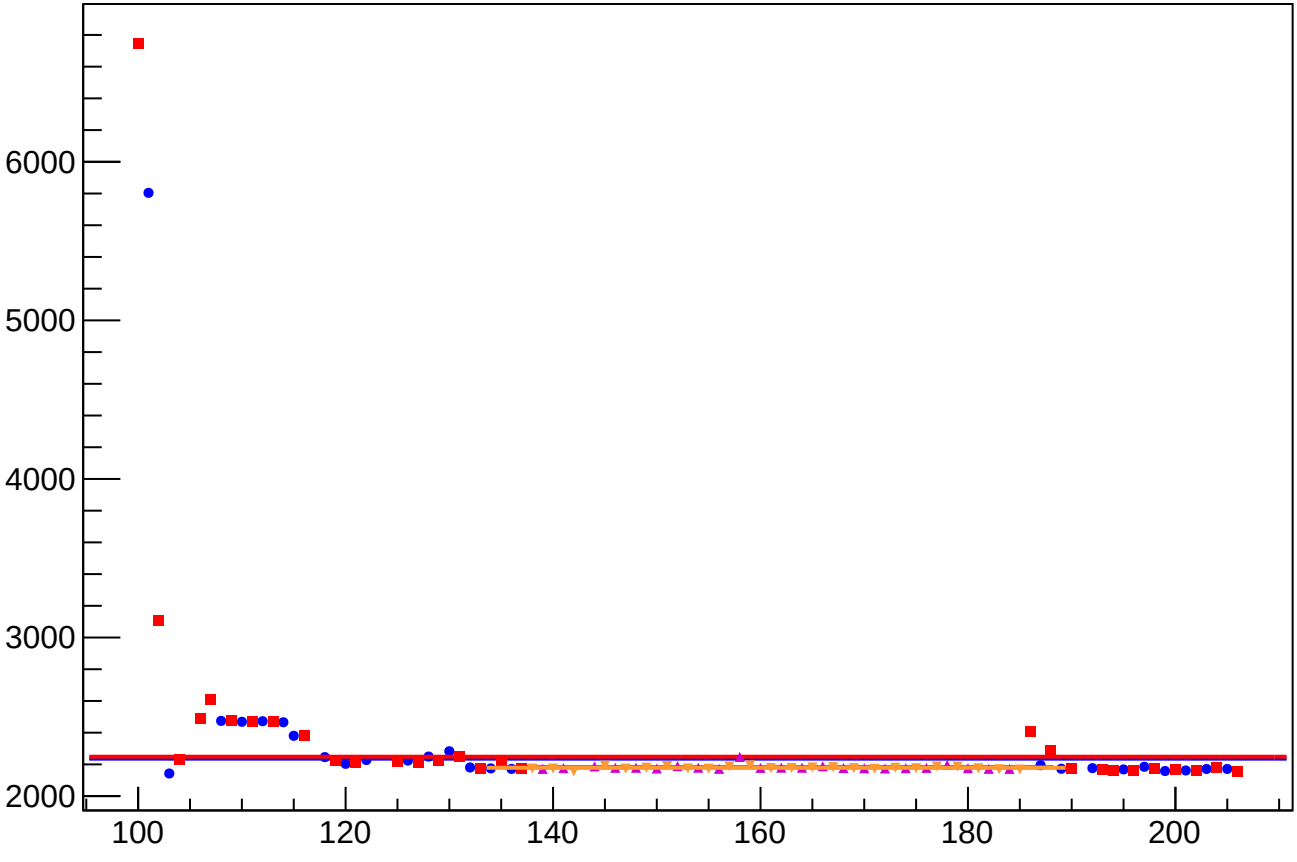
+ sign 150.777+/-0.023 χ^2/NDF: 19963709.4/48

All: 149.433+/-0.016 χ^2/NDF: 43679600.5/10

- sign 148.103+/-0.022 χ^2/NDF: 23708831.5/51


eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs Slug
50000
40000
30000
20000
10000
0
−10000
−20000
100
120
140
160
180
200
Right In: -454.139+/-601.128 χ²/NDF: 20.2/24
Left Out: -1062.373+/-505.627 χ²/NDF:21.9/23
Right Out: 720.108+/-565.300 χ²/NDF: 16.1/28
Left In: 544.259+/-509.433 χ²/NDF:27.9/22
+ sign -810.352+/-386.945 χ²/NDF: 42.7/48
All: -77.712+/-270.554 χ²/NDF: 93.8/100
- sign 623.067+/-378.438 χ²/NDF: 44.1/51

eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2236.260+/-0.425 χ^2/NDF: 540116.2/24

Left Out: 2178.503+/-0.358 χ^2/NDF:456.1/23

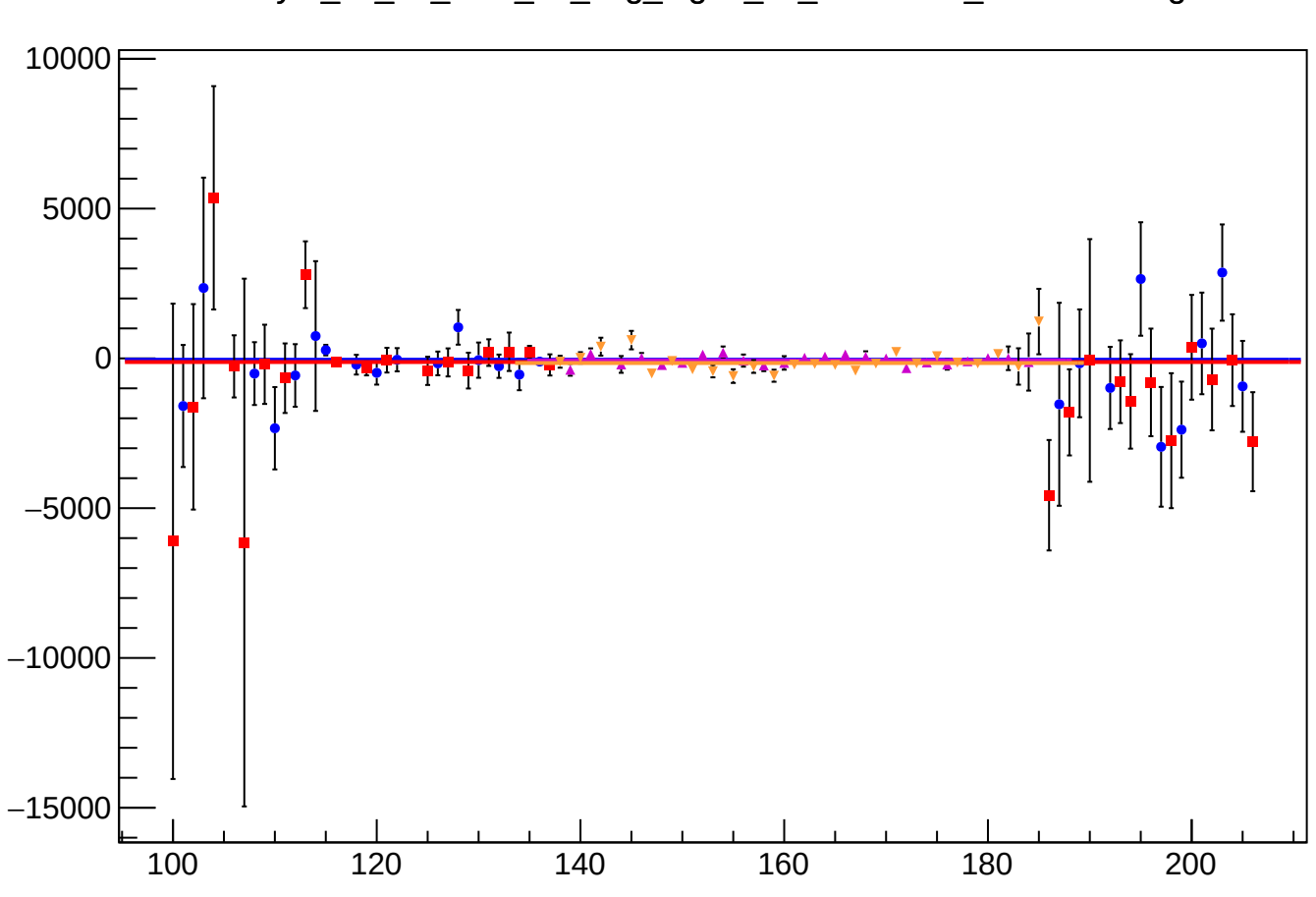
Right Out: 2248.333+/-0.400 χ^2/NDF: 210858.3/28

Left In: 2181.882+/-0.360 χ^2/NDF:1838.2/22

\+ sign 2202.435+/-0.274 χ^2/NDF: 551385.3/48

All: 2207.151+/-0.191 χ^2/NDF: 779913.6/100

\- sign 2211.663+/-0.268 χ^2/NDF: 227947.0/51



Right In: -45.404+/-91.241 χ^2/NDF: 24.7/24

Left Out: -154.726+/-34.061 χ^2/NDF:47.3/23

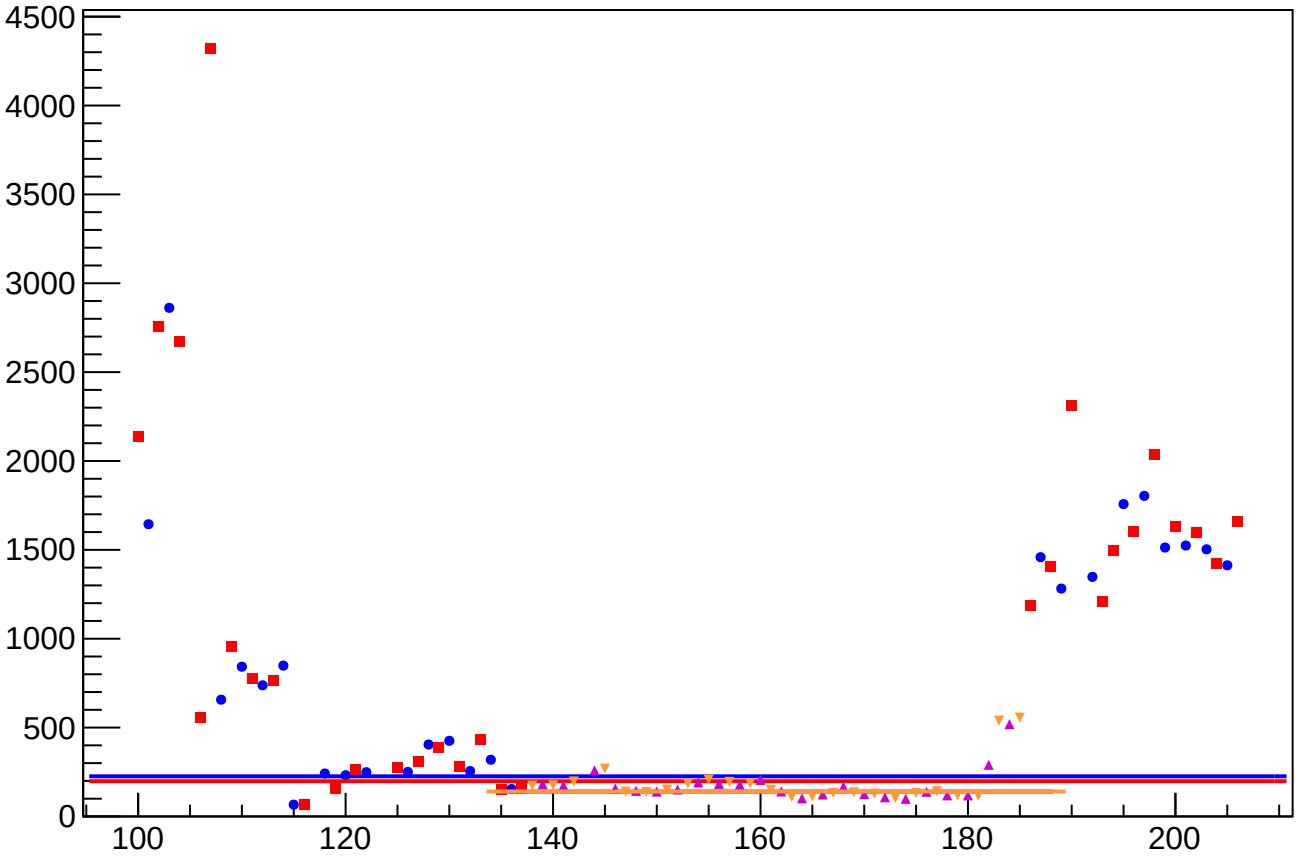
Right Out: -121.291+/-84.918 χ^2/NDF: 27.5/28

Left In: -70.141+/-34.204 χ^2/NDF:18.9/22

+ sign -141.355+/-31.910 χ^2/NDF: 73.3/48

All: -109.134+/-22.499 χ^2/NDF: 122.1/100

- sign -77.281+/-31.727 χ^2/NDF: 46.8/51



Right In: 225.823+/-0.065 χ^2/NDF: 15661850.6/24

Left Out: 140.319+/-0.024 χ^2/NDF:2760280.2/23

Right Out: 198.181+/-0.060 χ^2/NDF: 20488051.0/28

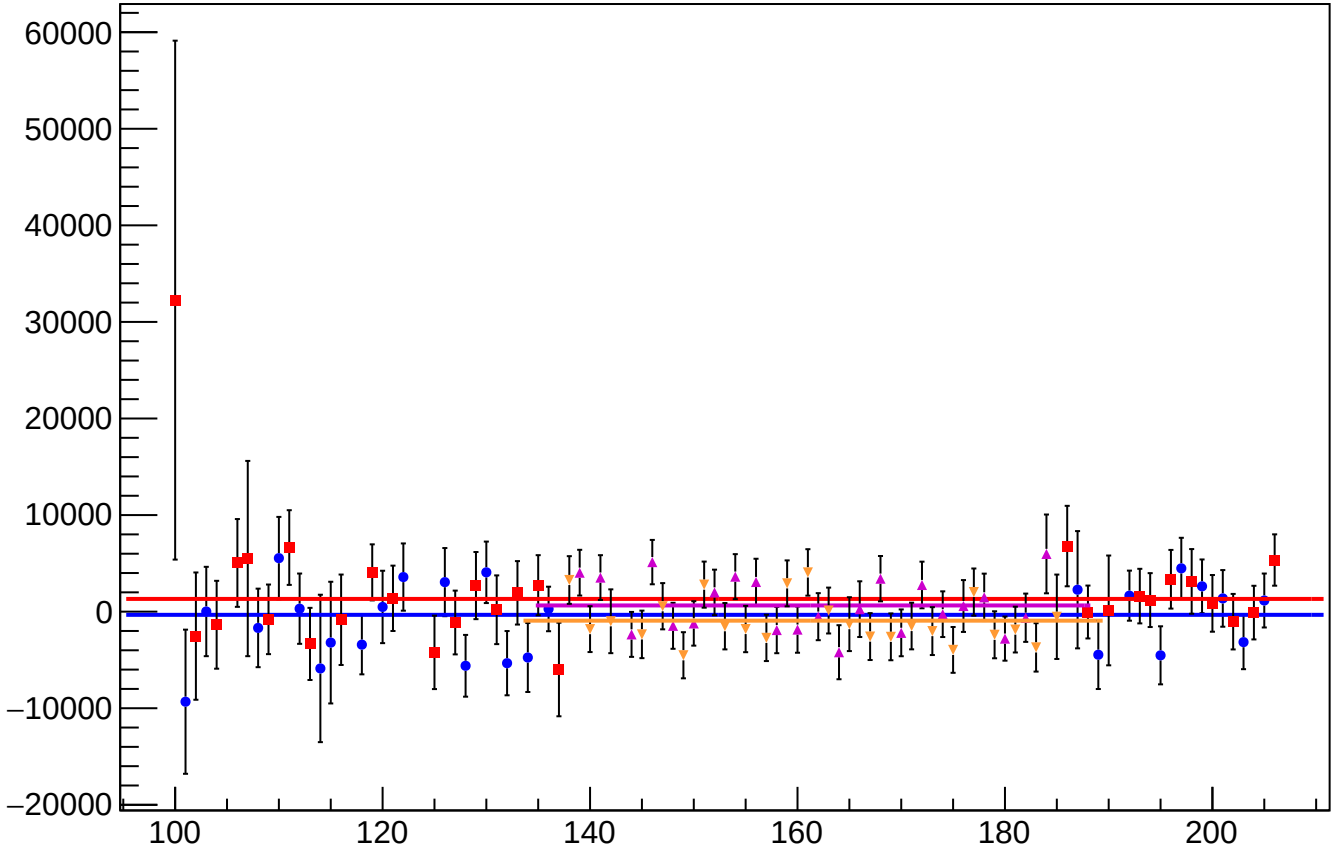
Left In: 139.979+/-0.024 χ^2/NDF:2412509.5/22

+ sign 150.777+/-0.023 χ^2/NDF: 19963695.0/48

All: 149.433+/-0.016 χ^2/NDF: 43679683.4/10

- sign 148.103+/-0.022 χ^2/NDF: 23708927.3/51

asym_us_dd_at1lr_dd_avg_mean vs Slug



Right In: -329.034+/-680.641 χ^2/NDF: 25.1/24

Left Out: -932.002+/-507.717 χ^2/NDF:22.4/23

Right Out: 1318.423+/-653.574 χ^2/NDF: 19.2/28

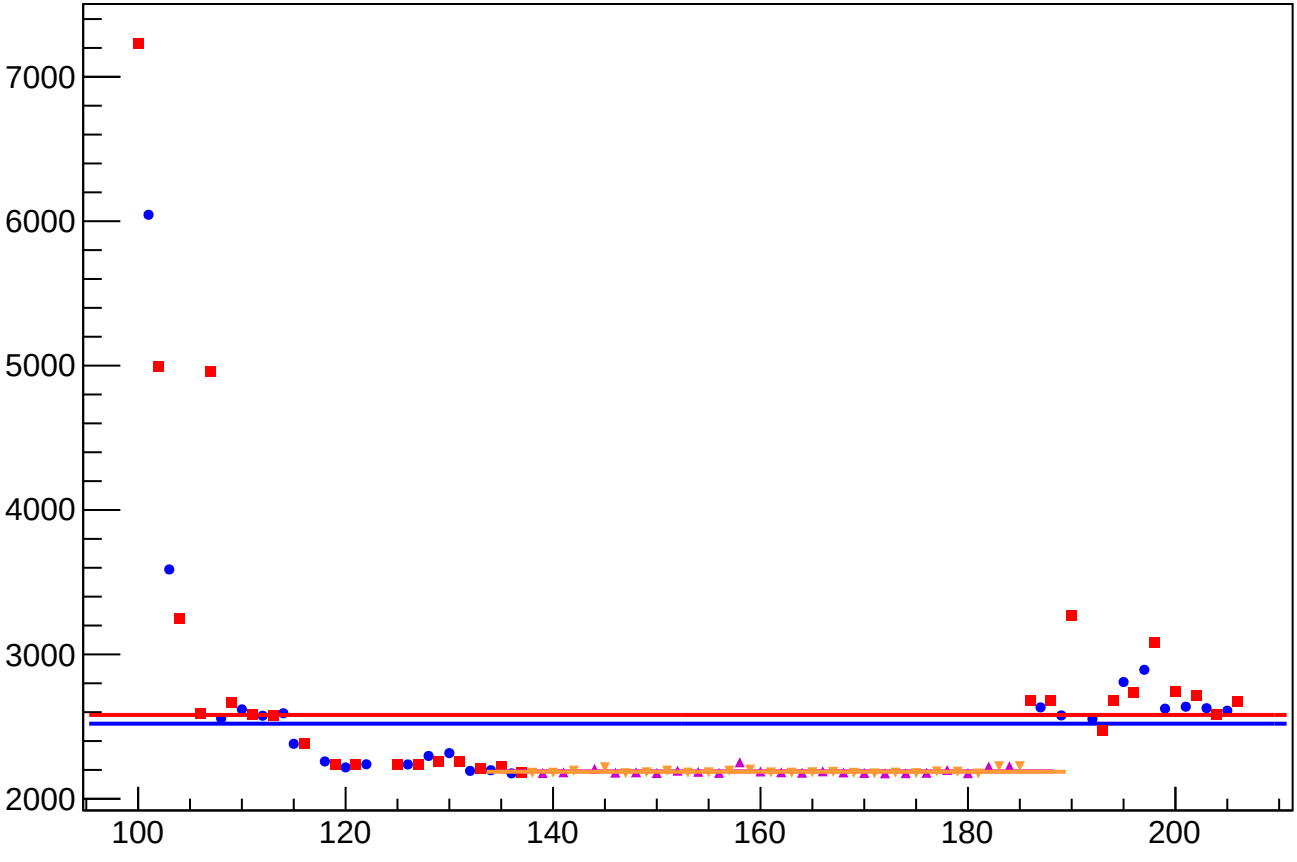
Left In: 642.773+/-511.372 χ^2/NDF:27.0/22

+ sign -716.440+/-406.965 χ^2/NDF: 48.0/48

All: 99.871+/-286.264 χ^2/NDF: 102.9/100

- sign 899.334+/-402.744 χ^2/NDF: 46.9/51

asym_us_dd_at1lr_dd_avg_rms vs Slug



Right In: 2520.340+/-0.481 χ^2/NDF: 765873.4/24

Left Out: 2187.620+/-0.359 χ^2/NDF:1342.1/23

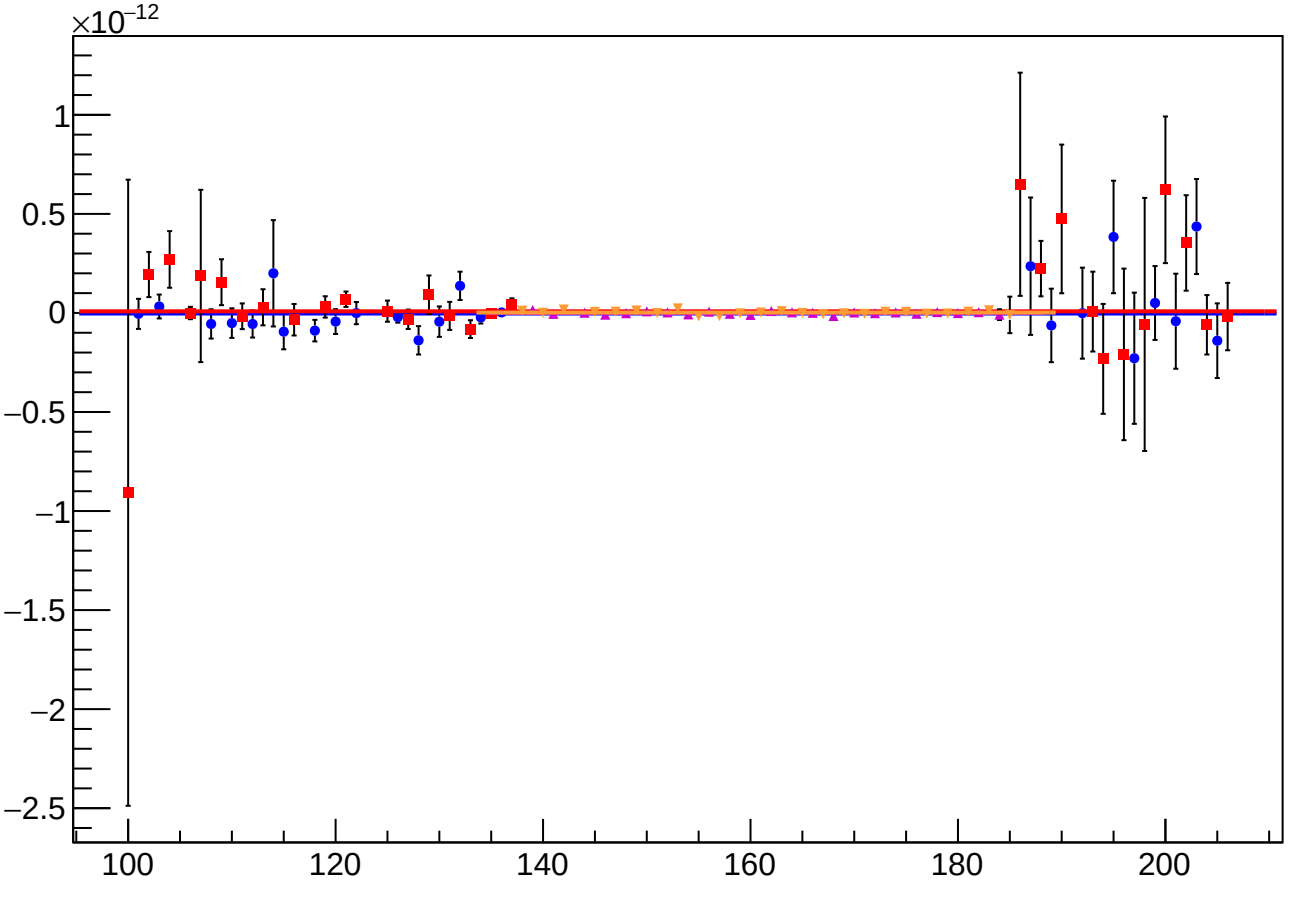
Right Out: 2580.869+/-0.462 χ^2/NDF: 774376.8/28

Left In: 2190.163+/-0.362 χ^2/NDF:2542.8/22

+ sign 2306.568+/-0.288 χ^2/NDF: 1074276.1/48

All: 2322.713+/-0.202 χ^2/NDF: 2300755.3/10

- sign 2338.524+/-0.285 χ^2/NDF: 1220249.0/51



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:19.4/23

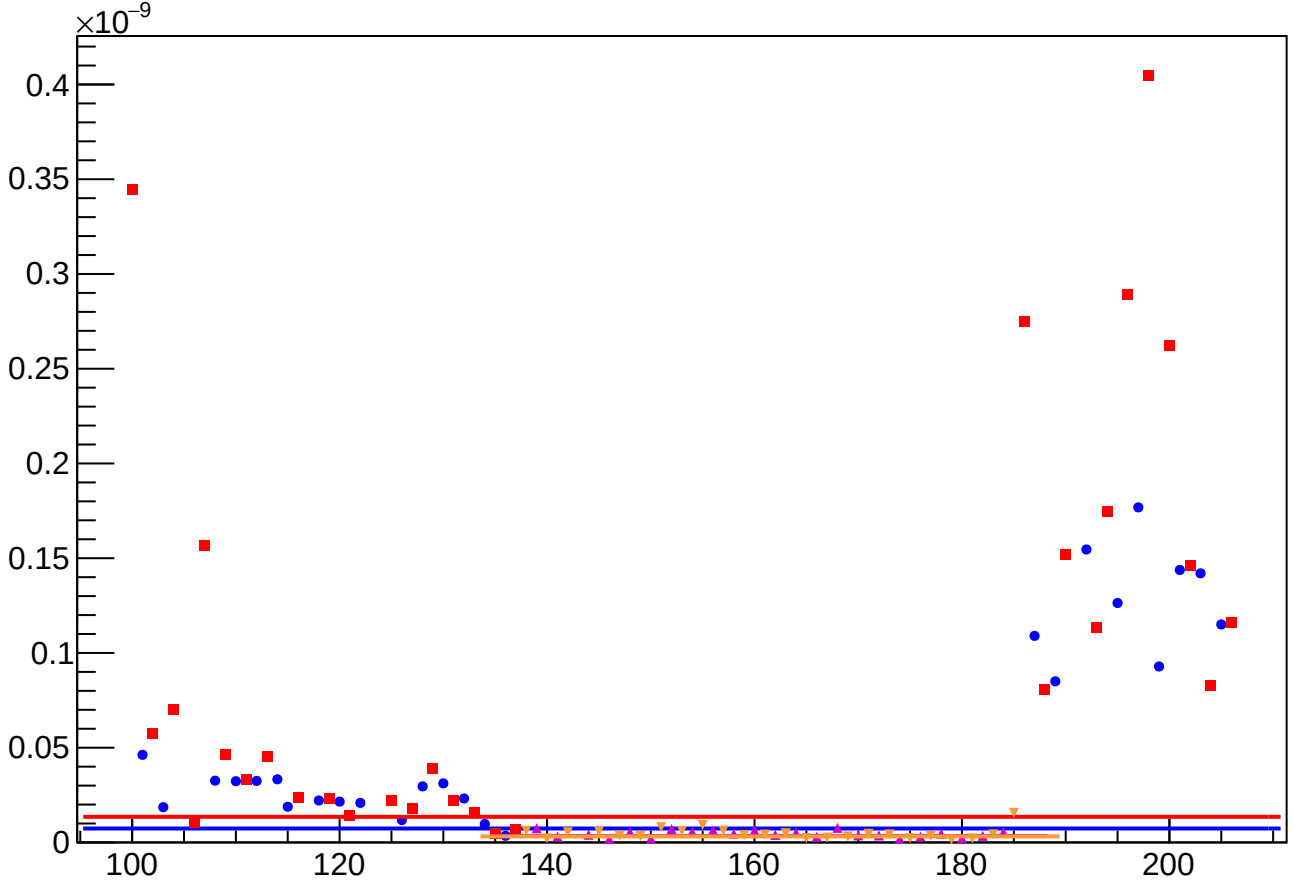
Right Out: 0.000+/-0.000 χ^2/NDF: 30.2/28

Left In: 0.000+/-0.000 χ^2/NDF:13.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.4/48

All: 0.000+/-0.000 χ^2/NDF: 86.9/100

- sign 0.000+/-0.000 χ^2/NDF: 44.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 7455122.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2065501.9/23

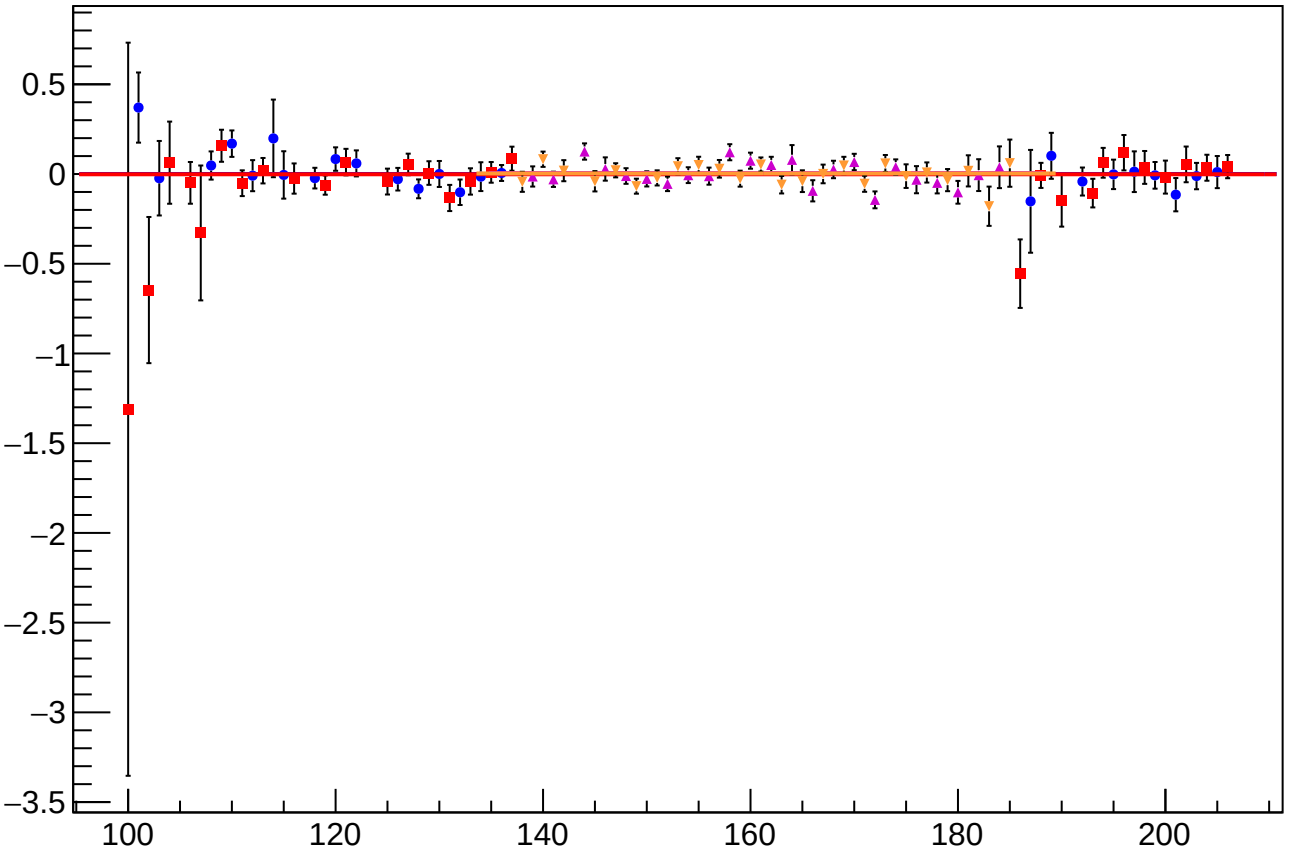
Right Out: 0.000+/-0.000 χ^2/NDF: 9347056.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1703481.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10359782.0/48

All: 0.000+/-0.000 χ^2/NDF: 23581380.1/100

- sign 0.000+/-0.000 χ^2/NDF: 13190850.9/51



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.001+/-0.015 χ^2/NDF: 30.7/28

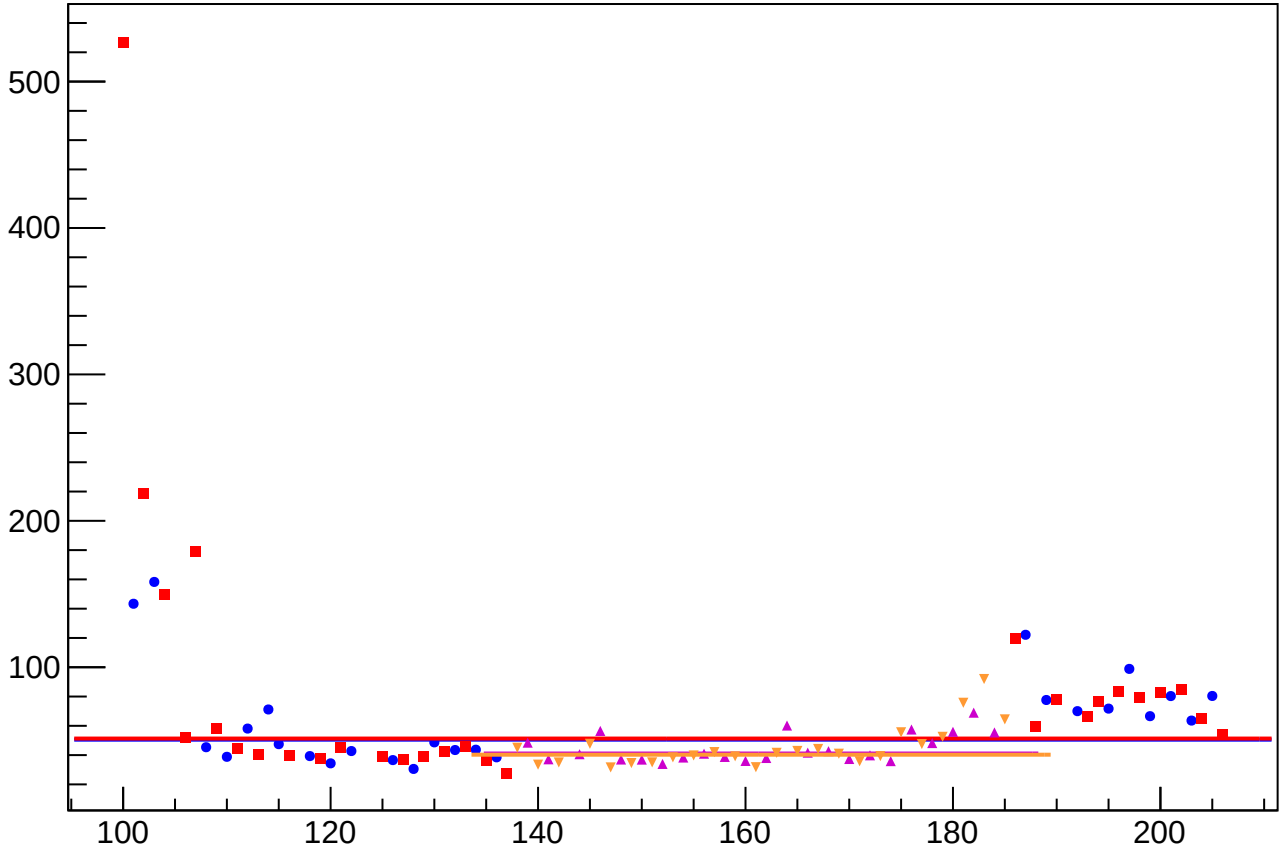
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/48

All: 0.003+/-0.006 χ^2/NDF: 114.3/100

- sign 0.003+/-0.009 χ^2/NDF: 72.3/51

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs Slug



Right In: 50.546+/-0.011 χ^2/NDF: 3296234.4/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

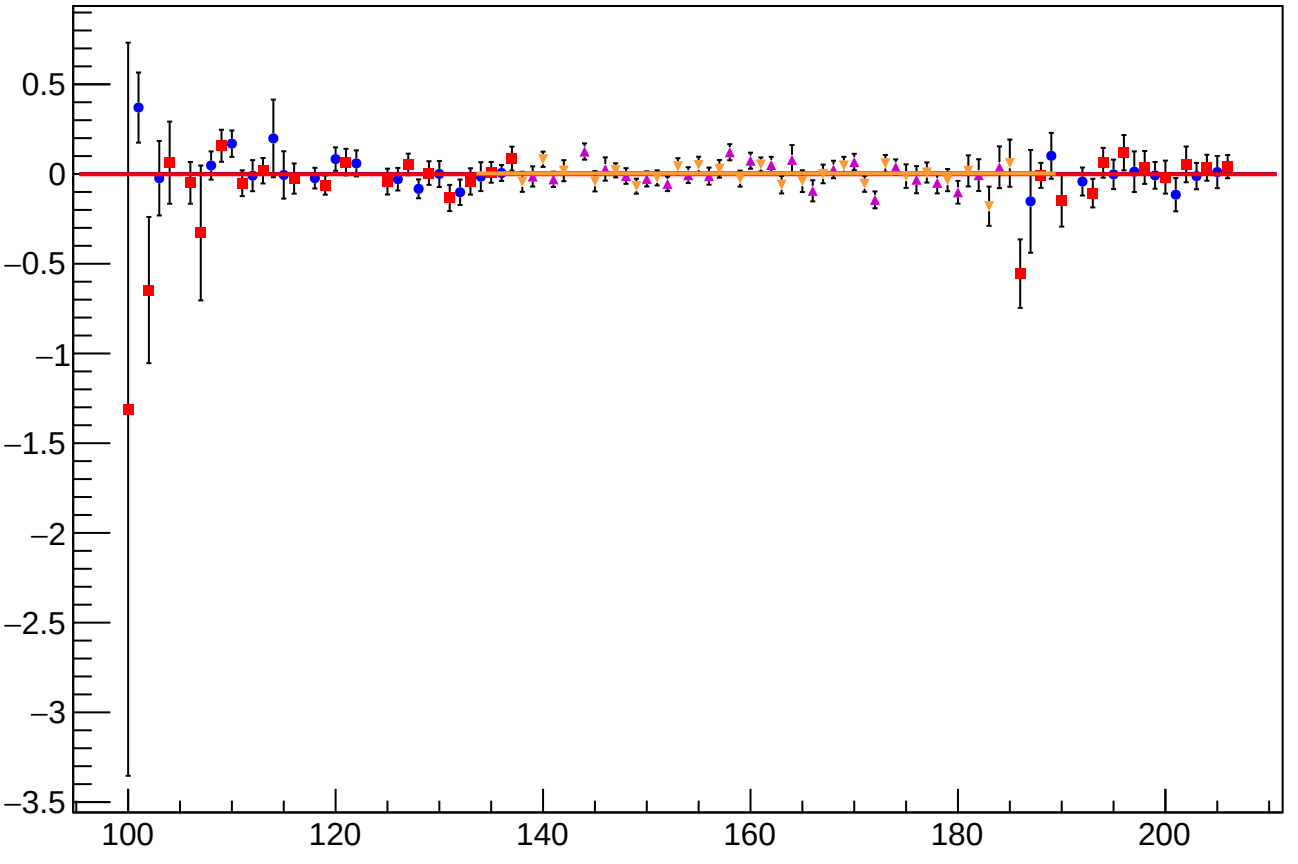
Right Out: 51.302+/-0.011 χ^2/NDF: 3522572.6/28

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 43.403+/-0.006 χ^2/NDF: 5382436.5/48

All: 43.911+/-0.004 χ^2/NDF: 10457251.1/100

- sign 44.420+/-0.006 χ^2/NDF: 5061021.2/51



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

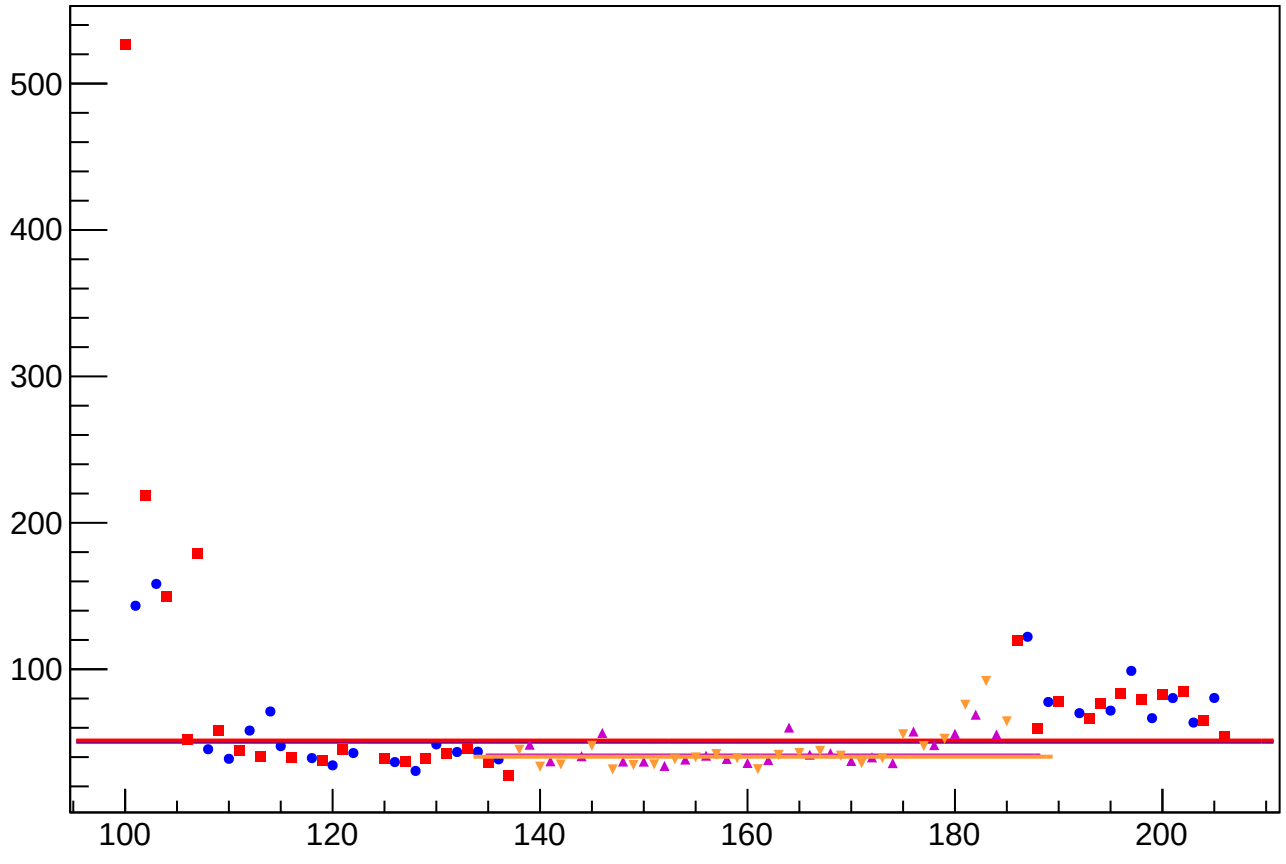
Right Out: -0.001+/-0.015 χ^2/NDF: 30.7/28

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/48

All: 0.003+/-0.006 χ^2/NDF: 114.3/100

- sign 0.003+/-0.009 χ^2/NDF: 72.3/51



Right In: 50.546+/-0.011 χ^2/NDF: 3296234.4/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489065.3/23

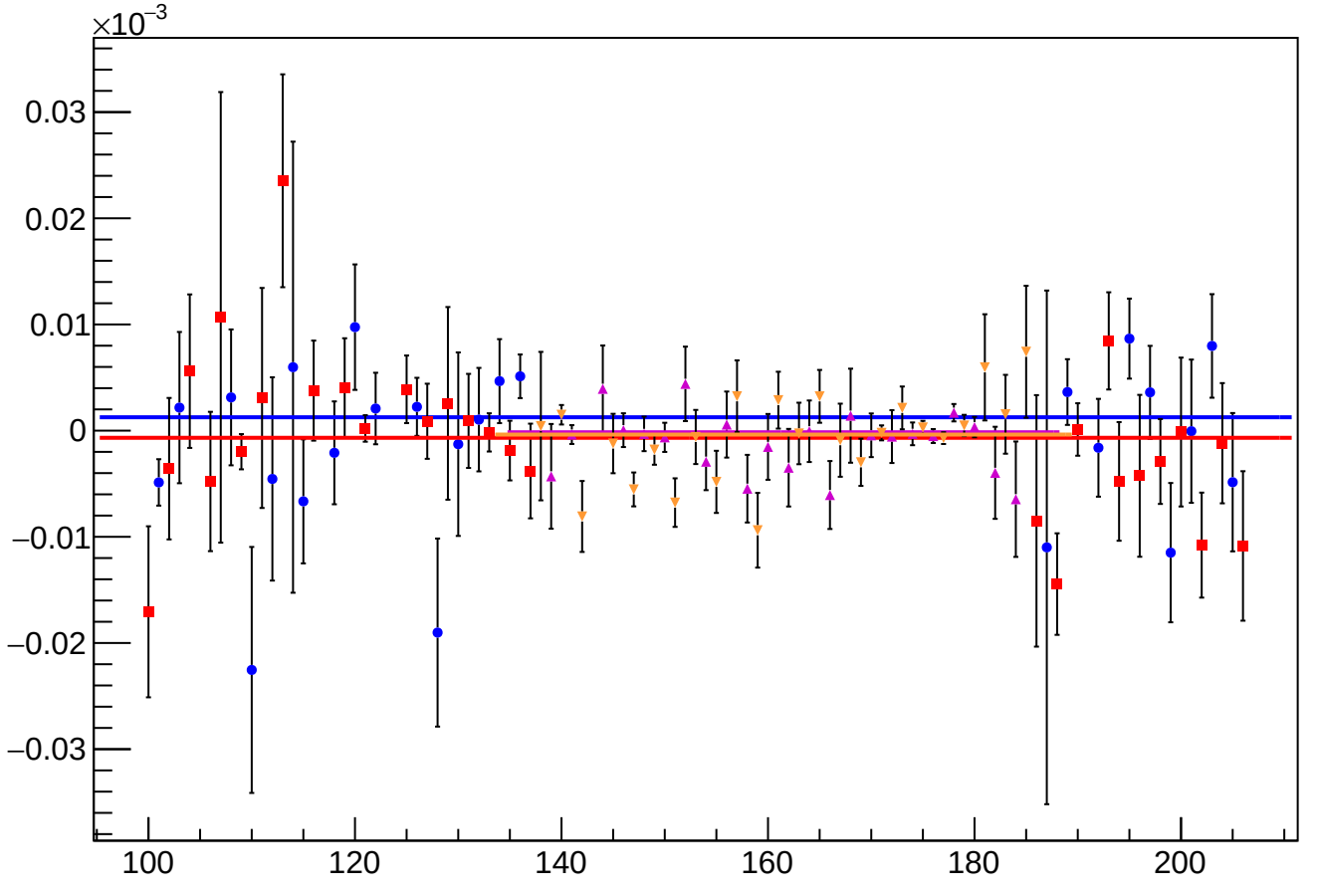
Right Out: 51.302+/-0.011 χ^2/NDF: 3522572.6/28

Left In: 41.082+/-0.007 χ^2/NDF:926843.9/22

+ sign 43.403+/-0.006 χ^2/NDF: 5382436.5/48

All: 43.911+/-0.004 χ^2/NDF: 10457251.1/100

- sign 44.420+/-0.006 χ^2/NDF: 5061021.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 38.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

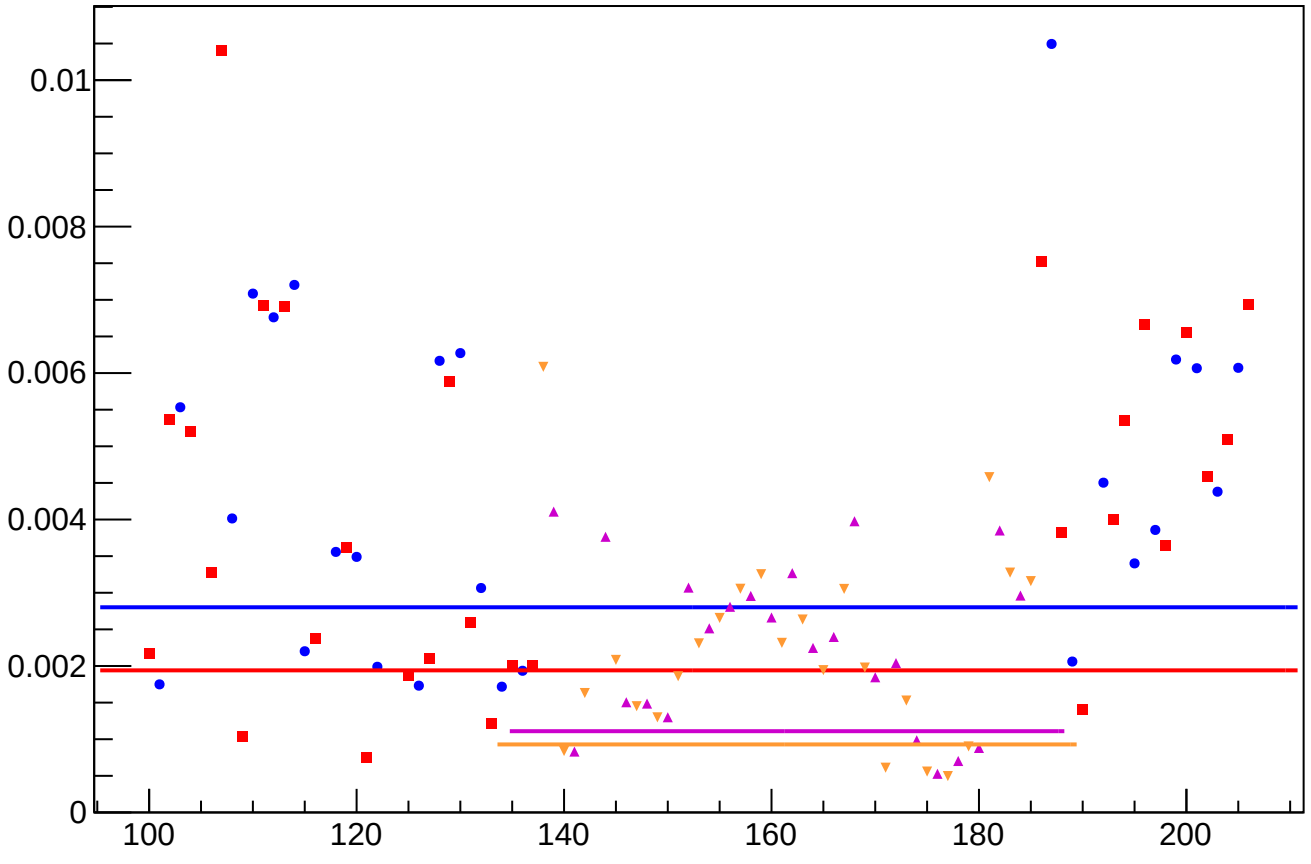
Right Out: -0.000+/-0.000 χ^2/NDF: 38.2/28

Left In: -0.000+/-0.000 χ^2/NDF:19.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 93.2/48

All: -0.000+/-0.000 χ^2/NDF: 151.8/100

- sign -0.000+/-0.000 χ^2/NDF: 58.6/51



Right In: 0.003+/-0.000 χ^2/NDF: 5646076.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:12568645.9/23

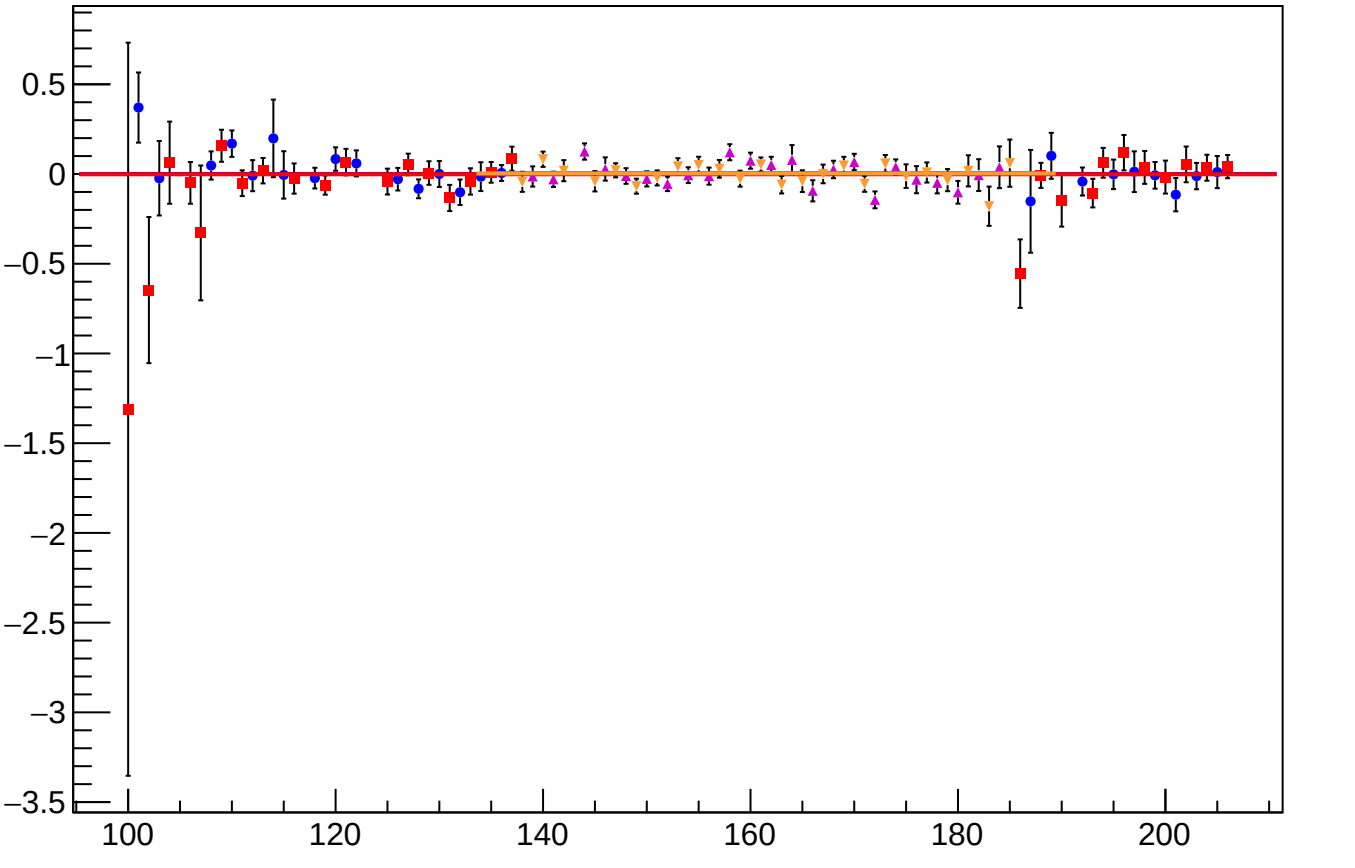
Right Out: 0.002+/-0.000 χ^2/NDF: 11914886.1/28

Left In: 0.001+/-0.000 χ^2/NDF:10930077.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 26802717.3/48

All: 0.001+/-0.000 χ^2/NDF: 52683648.7/100

- sign 0.001+/-0.000 χ^2/NDF: 25514352.1/51



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

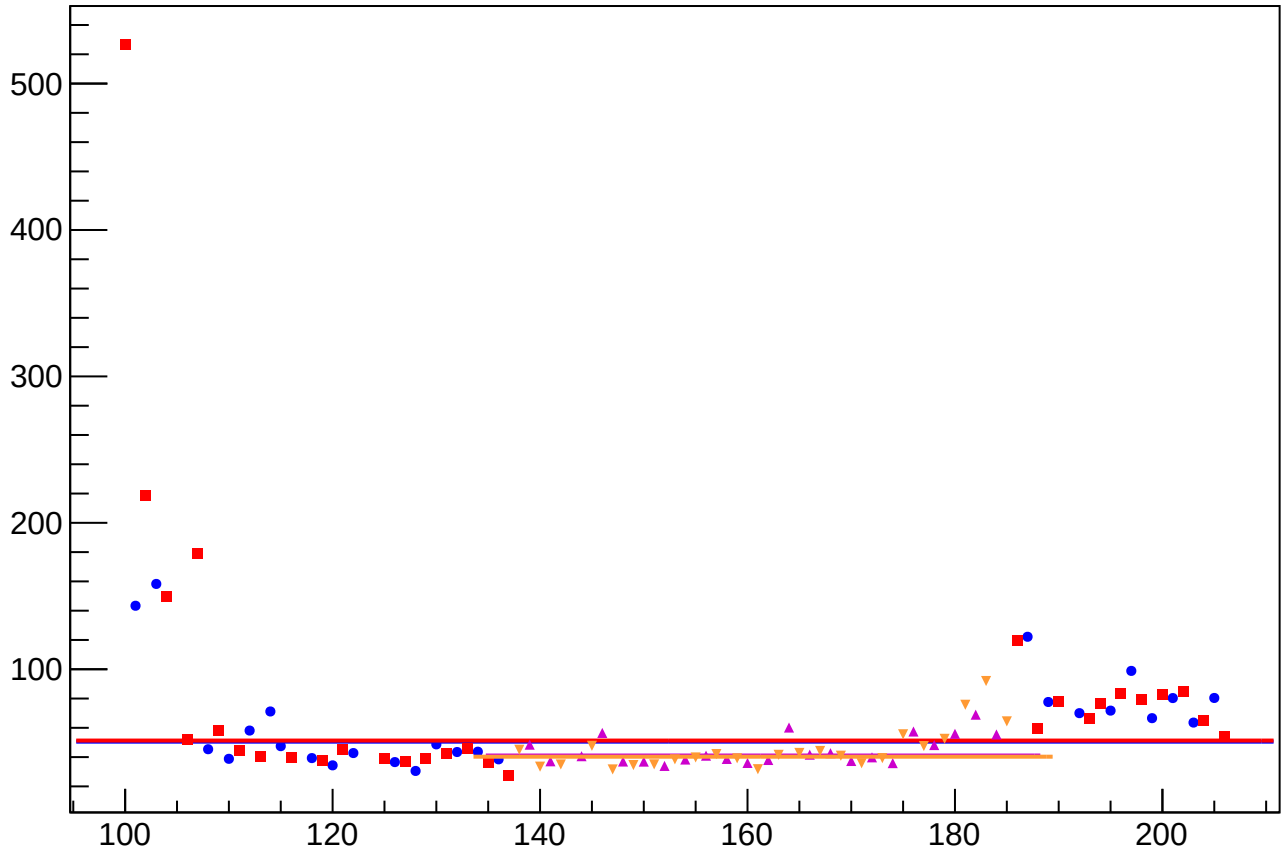
Right Out: -0.001+/-0.015 χ^2/NDF: 30.7/28

Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/48

All: 0.003+/-0.006 χ^2/NDF: 114.3/100

- sign 0.003+/-0.009 χ^2/NDF: 72.3/51



Right In: 50.544+/-0.011 χ^2/NDF: 3296746.1/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

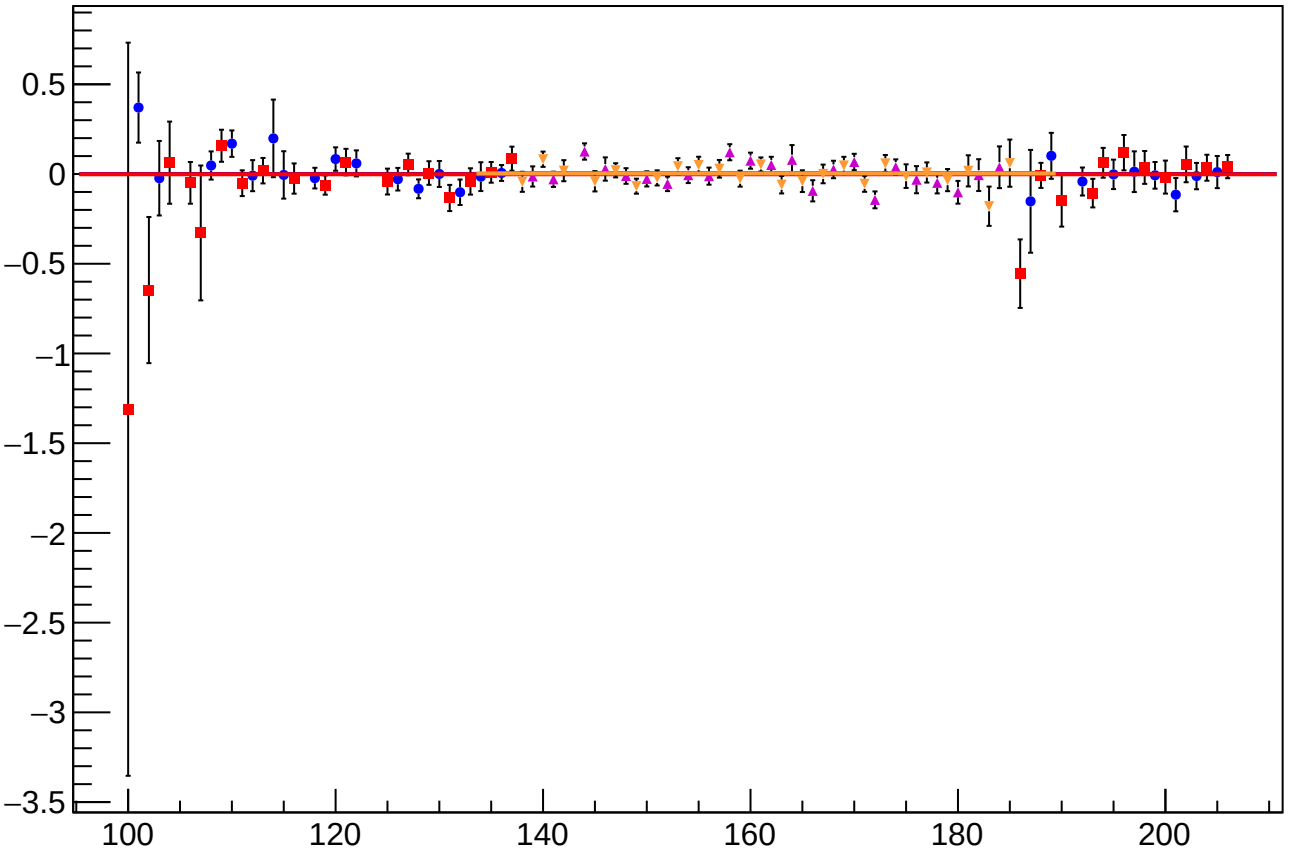
Right Out: 51.303+/-0.011 χ^2/NDF: 3522541.1/28

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 43.403+/-0.006 χ^2/NDF: 5382679.5/48

All: 43.911+/-0.004 χ^2/NDF: 10457579.2/100

- sign 44.420+/-0.006 χ^2/NDF: 5061088.6/51



Right In: 0.000+/-0.016 χ^2/NDF: 20.1/24

Left Out: 0.003+/-0.010 χ^2/NDF:21.8/23

Right Out: -0.001+/-0.015 χ^2/NDF: 30.7/28

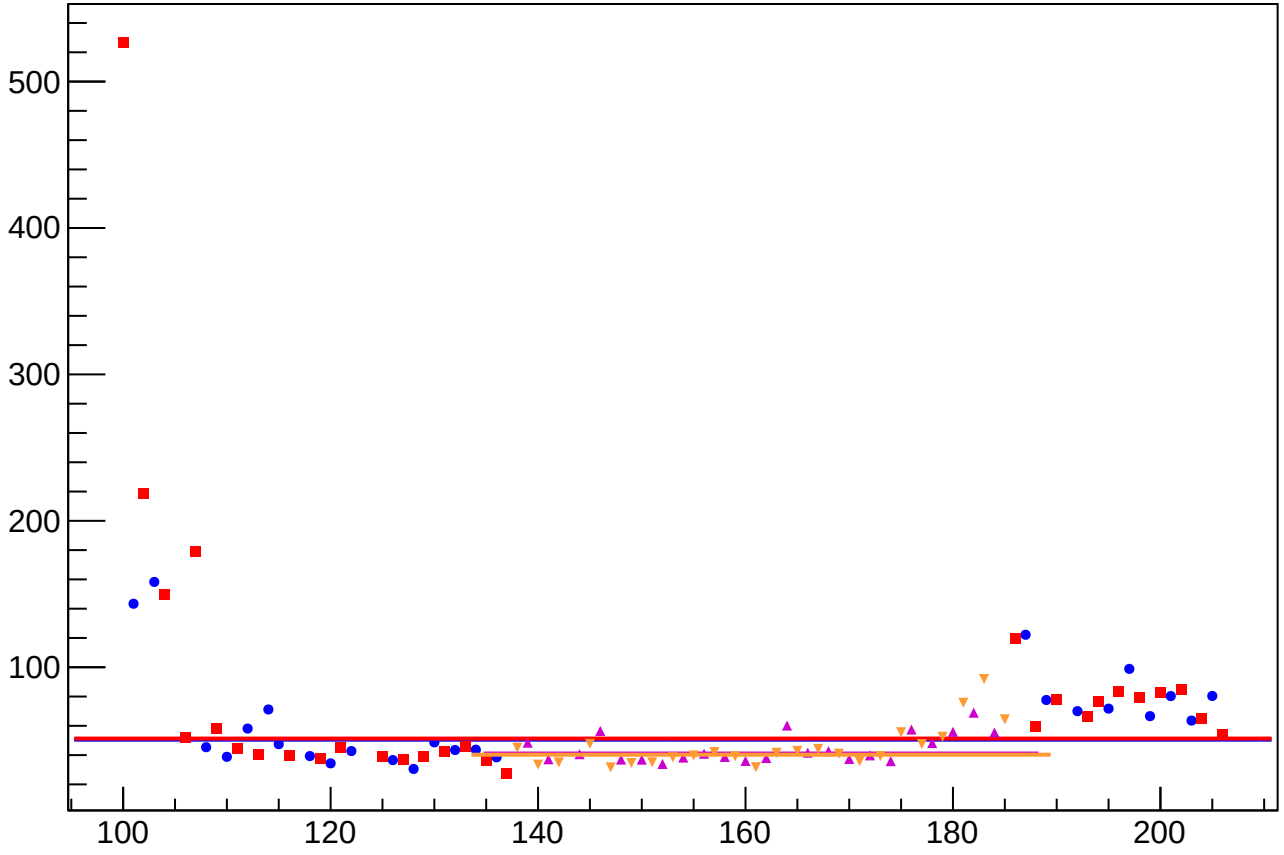
Left In: 0.005+/-0.011 χ^2/NDF:41.4/22

+ sign 0.002+/-0.009 χ^2/NDF: 42.0/48

All: 0.003+/-0.006 χ^2/NDF: 114.3/100

- sign 0.003+/-0.009 χ^2/NDF: 72.3/51

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 50.544+/-0.011 χ^2/NDF: 3296746.1/24

Left Out: 40.277+/-0.007 χ^2/NDF:1489049.7/23

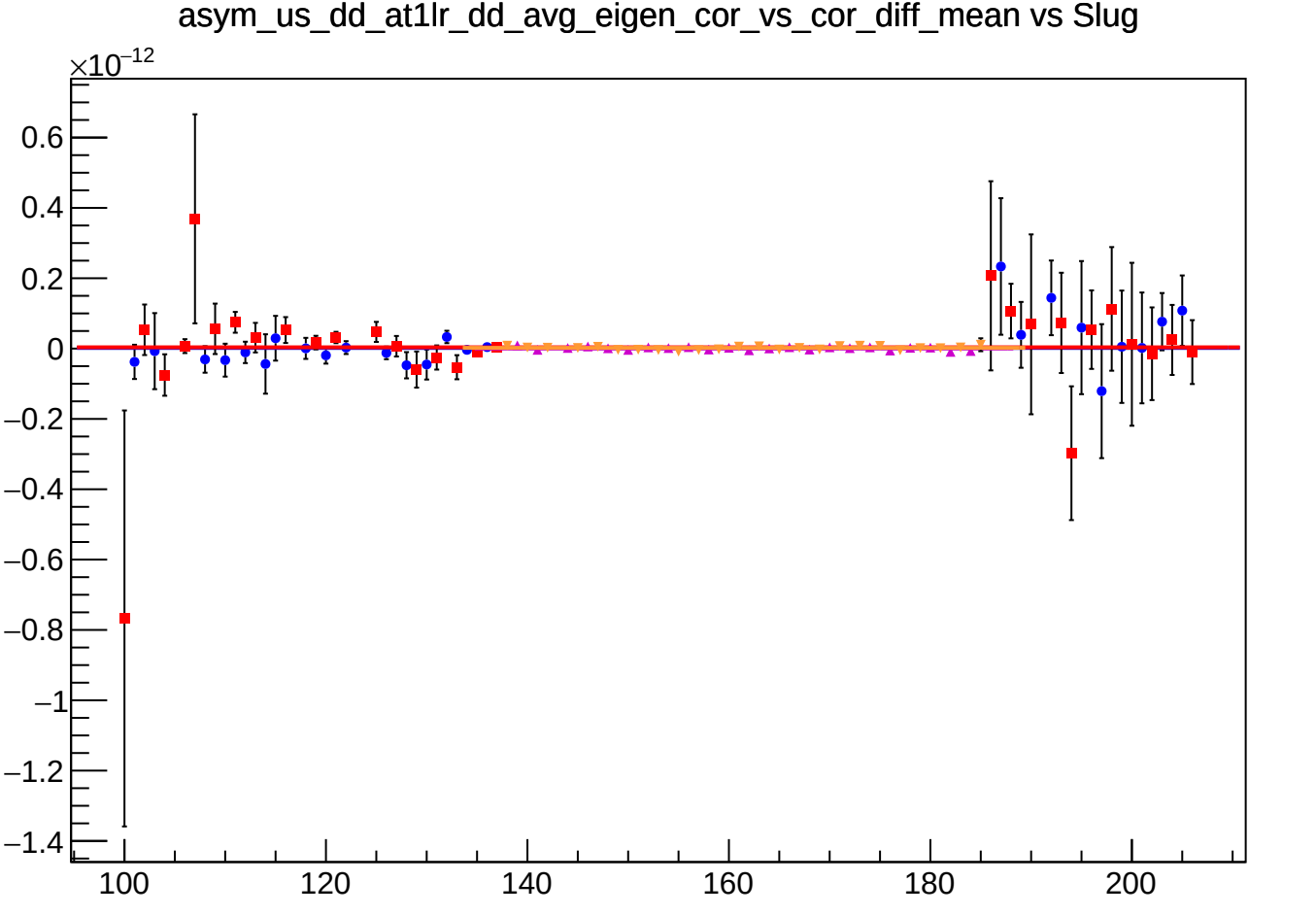
Right Out: 51.303+/-0.011 χ^2/NDF: 3522541.1/28

Left In: 41.082+/-0.007 χ^2/NDF:926883.3/22

+ sign 43.403+/-0.006 χ^2/NDF: 5382679.5/48

All: 43.911+/-0.004 χ^2/NDF: 10457579.2/100

- sign 44.420+/-0.006 χ^2/NDF: 5061088.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 16.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.2/23

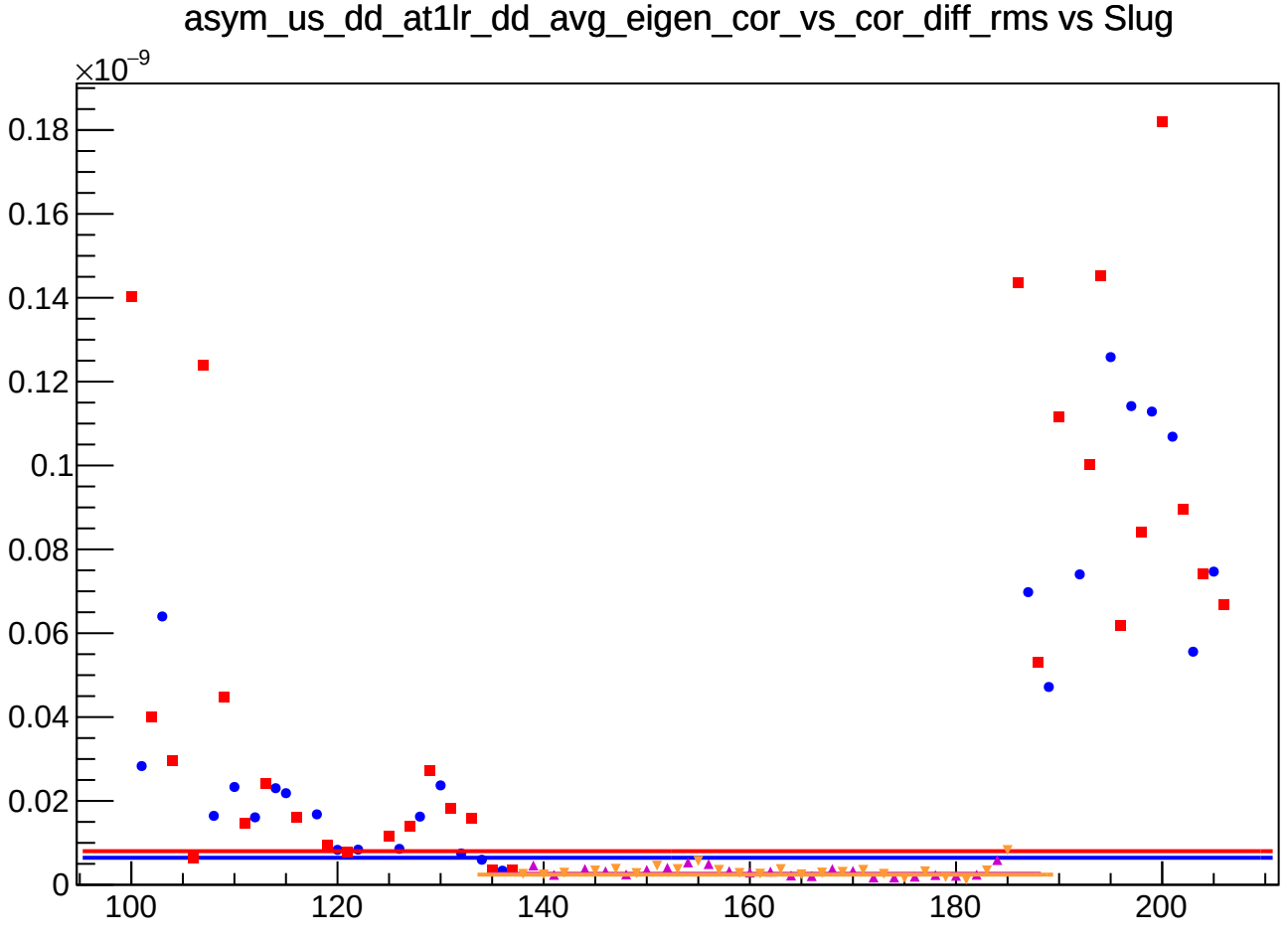
Right Out: 0.000+/-0.000 χ^2/NDF: 34.7/28

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.6/48

All: 0.000+/-0.000 χ^2/NDF: 101.8/100

- sign 0.000+/-0.000 χ^2/NDF: 58.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 9544848.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2792453.3/23

Right Out: 0.000+/-0.000 χ^2/NDF: 11741979.7/28

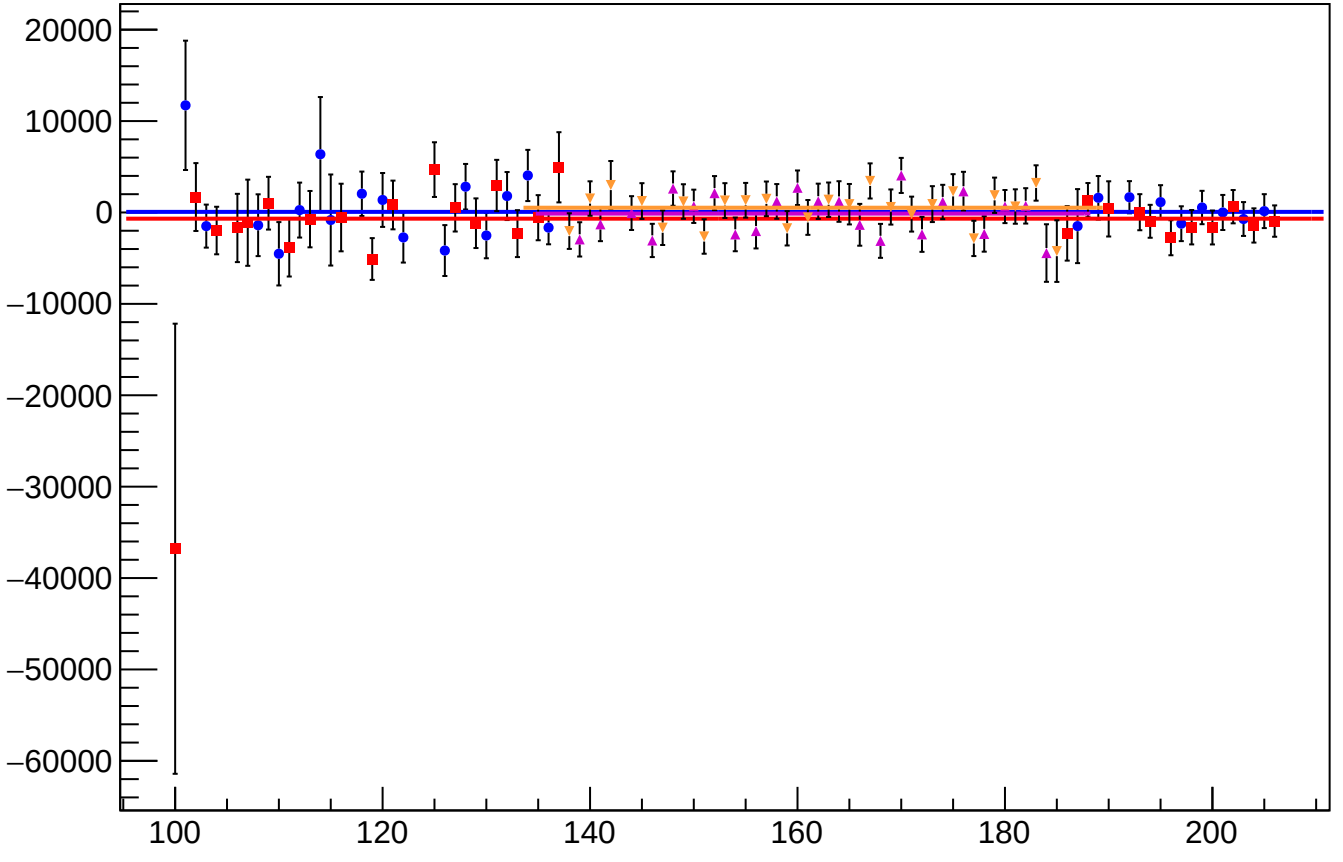
Left In: 0.000+/-0.000 χ^2/NDF:1949059.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 14373217.9/48

All: 0.000+/-0.000 χ^2/NDF: 30669997.2/100

- sign 0.000+/-0.000 χ^2/NDF: 16239527.9/51

reg_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 64.601+/-483.981 χ^2/NDF: 18.4/24

Left Out: 519.929+/-401.705 χ^2/NDF:20.8/23

Right Out: -679.290+/-455.467 χ^2/NDF: 20.1/28

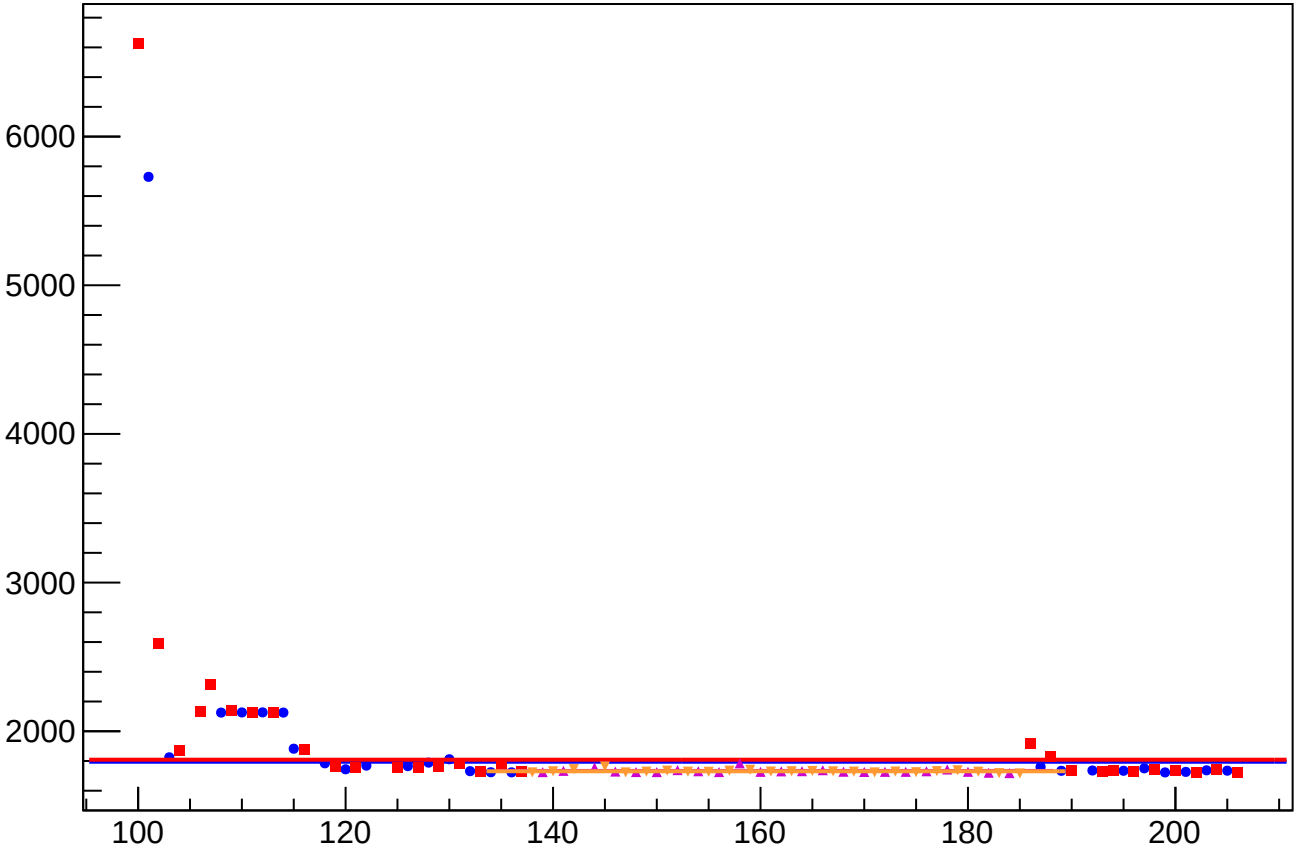
Left In: -126.031+/-404.630 χ^2/NDF:29.5/22

+ sign 334.201+/-309.104 χ^2/NDF: 39.7/48

All: -25.541+/-216.197 χ^2/NDF: 92.8/100

- sign -370.074+/-302.500 χ^2/NDF: 50.4/51

reg_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1794.992+/-0.342 χ^2/NDF: 710024.5/24

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

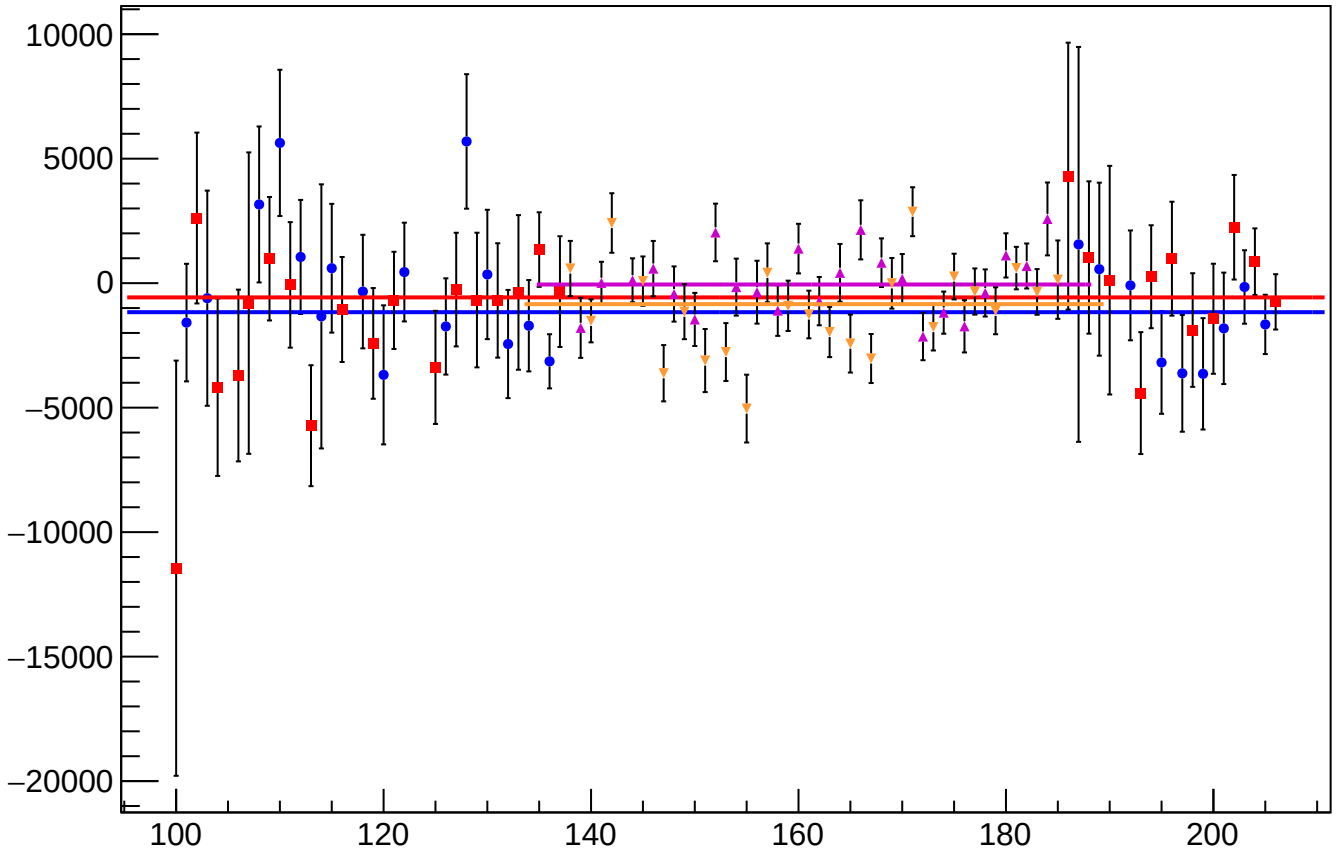
Right Out: 1808.596+/-0.322 χ^2/NDF: 310913.5/28

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1757.012+/-0.219 χ^2/NDF: 731795.9/48

All: 1761.781+/-0.153 χ^2/NDF: 1076666.0/10

- sign 1766.349+/-0.214 χ^2/NDF: 343937.8/51



Right In: -1165.797+/-422.825 χ^2/NDF: 25.5/24

Left Out: -842.437+/-210.852 χ^2/NDF:62.7/23

Right Out: -571.955+/-418.644 χ^2/NDF: 21.0/28

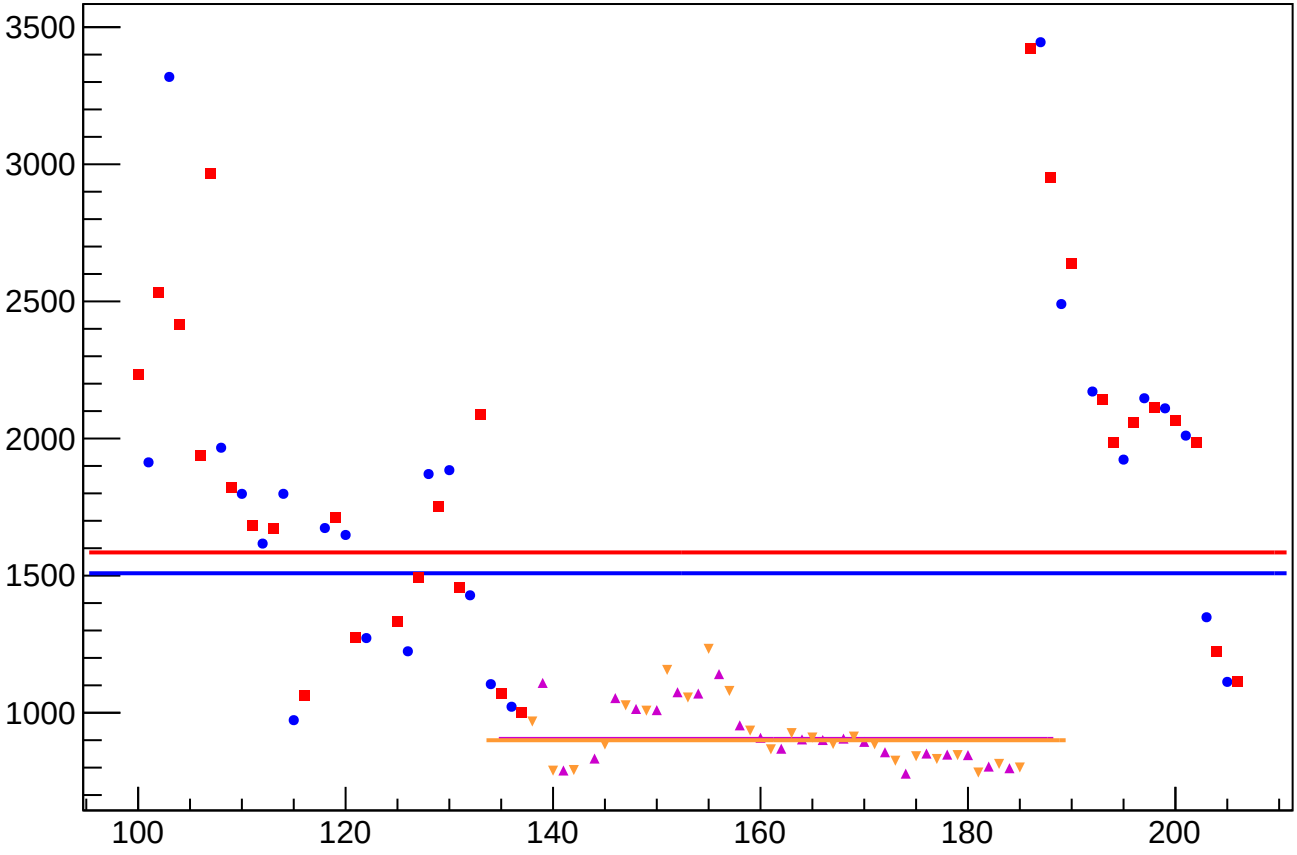
Left In: -53.905+/-212.966 χ^2/NDF:30.6/22

+ sign -906.835+/-188.692 χ^2/NDF: 88.7/48

All: -535.839+/-133.821 χ^2/NDF: 149.3/100

- sign -160.406+/-189.817 χ^2/NDF: 52.8/51

asym_us_dd_at1lr_dd_dd_reg_correction_rms vs Slug



Right In: 1508.698+/-0.299 χ^2/NDF: 2411644.8/24

Left Out: 899.811+/-0.149 χ^2/NDF:495328.4/23

Right Out: 1584.656+/-0.296 χ^2/NDF: 2850696.0/28

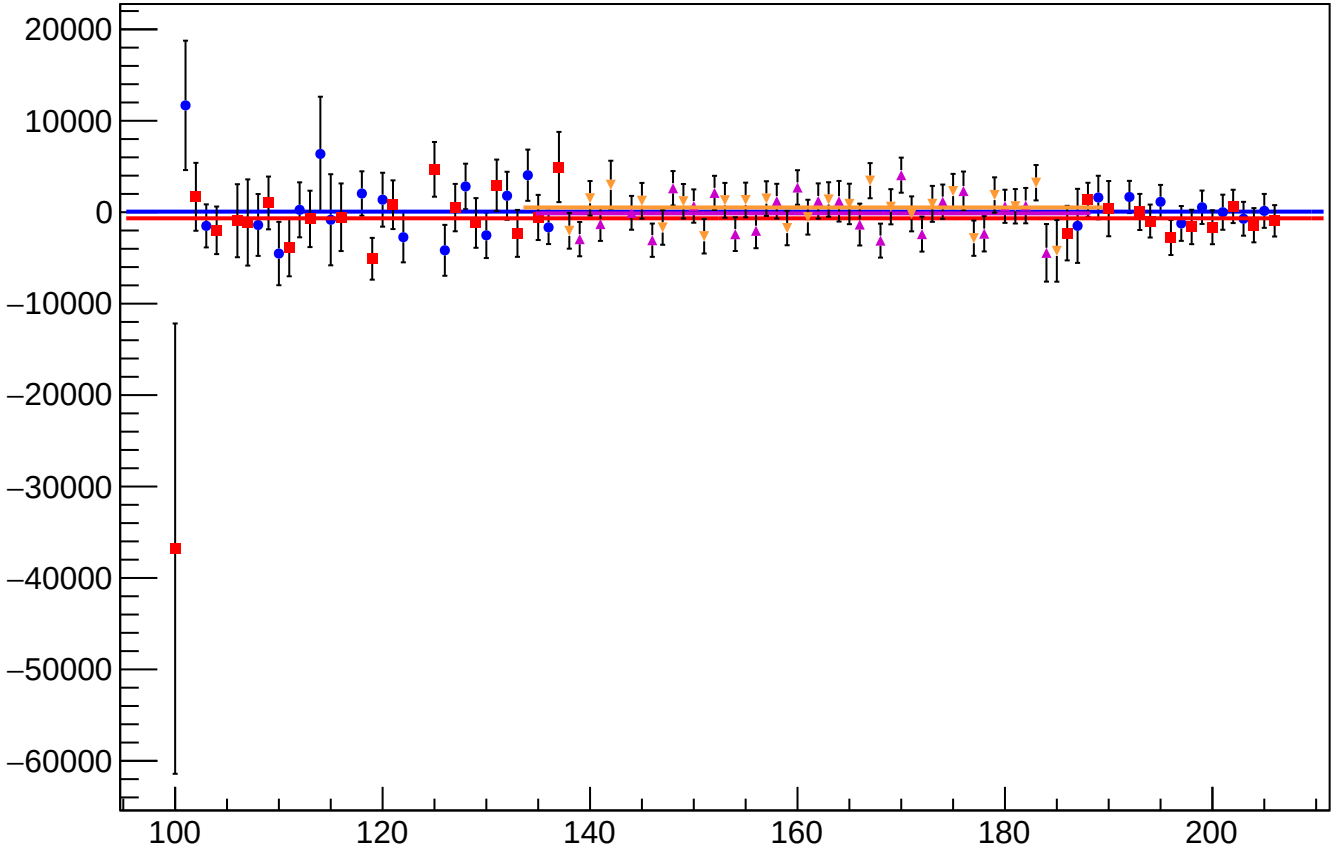
Left In: 904.656+/-0.151 χ^2/NDF:452251.7/22

+ sign 1021.073+/-0.133 χ^2/NDF: 6228451.3/48

All: 1032.692+/-0.095 χ^2/NDF: 13738533.2/1

- sign 1044.451+/-0.134 χ^2/NDF: 7494823.1/51

cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 64.235+/-483.981 χ^2/NDF: 18.4/24

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -667.590+/-455.892 χ^2/NDF: 20.0/28

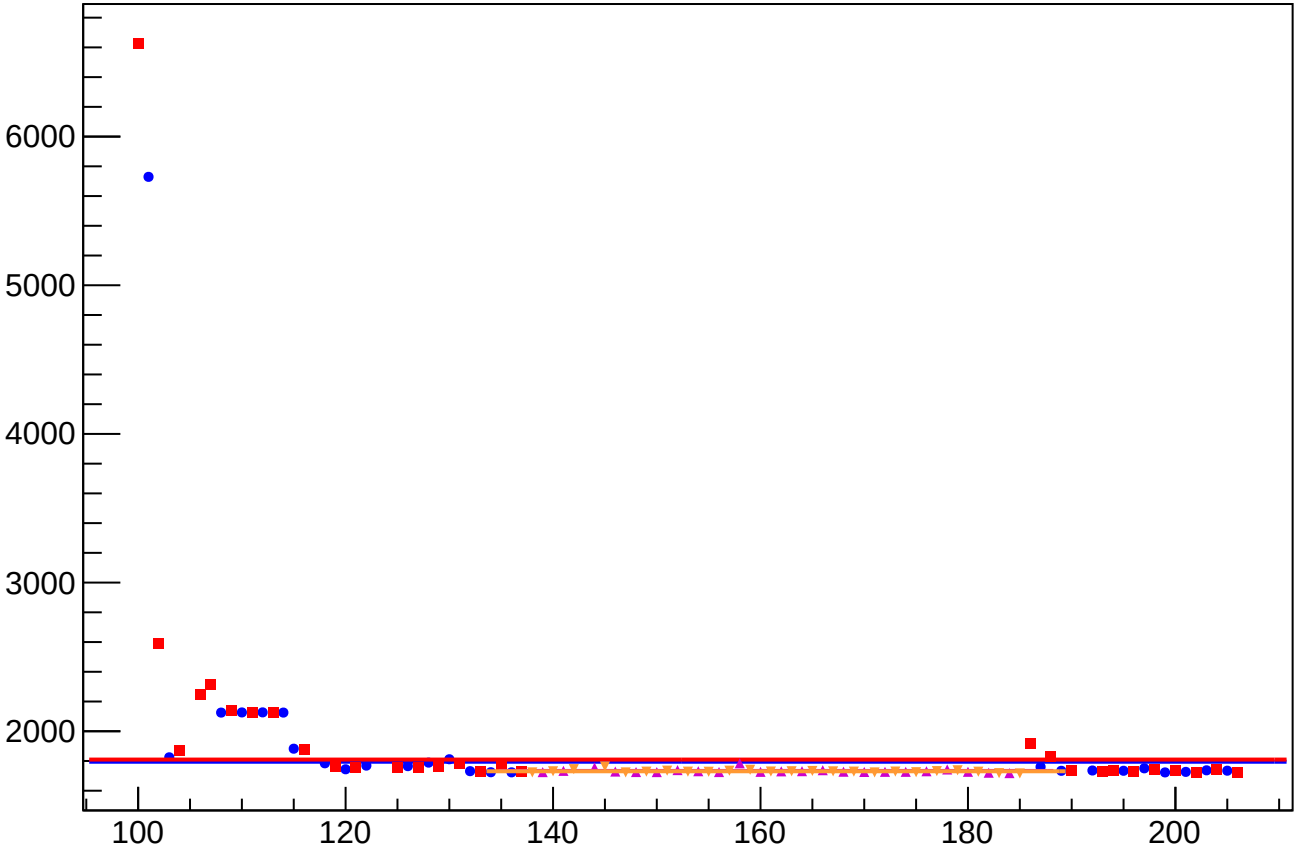
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 334.068+/-309.104 χ^2/NDF: 39.7/48

All: -22.716+/-216.242 χ^2/NDF: 92.6/100

- sign -364.697+/-302.624 χ^2/NDF: 50.3/51

cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1794.992+/-0.342 χ^2/NDF: 710024.4/24

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

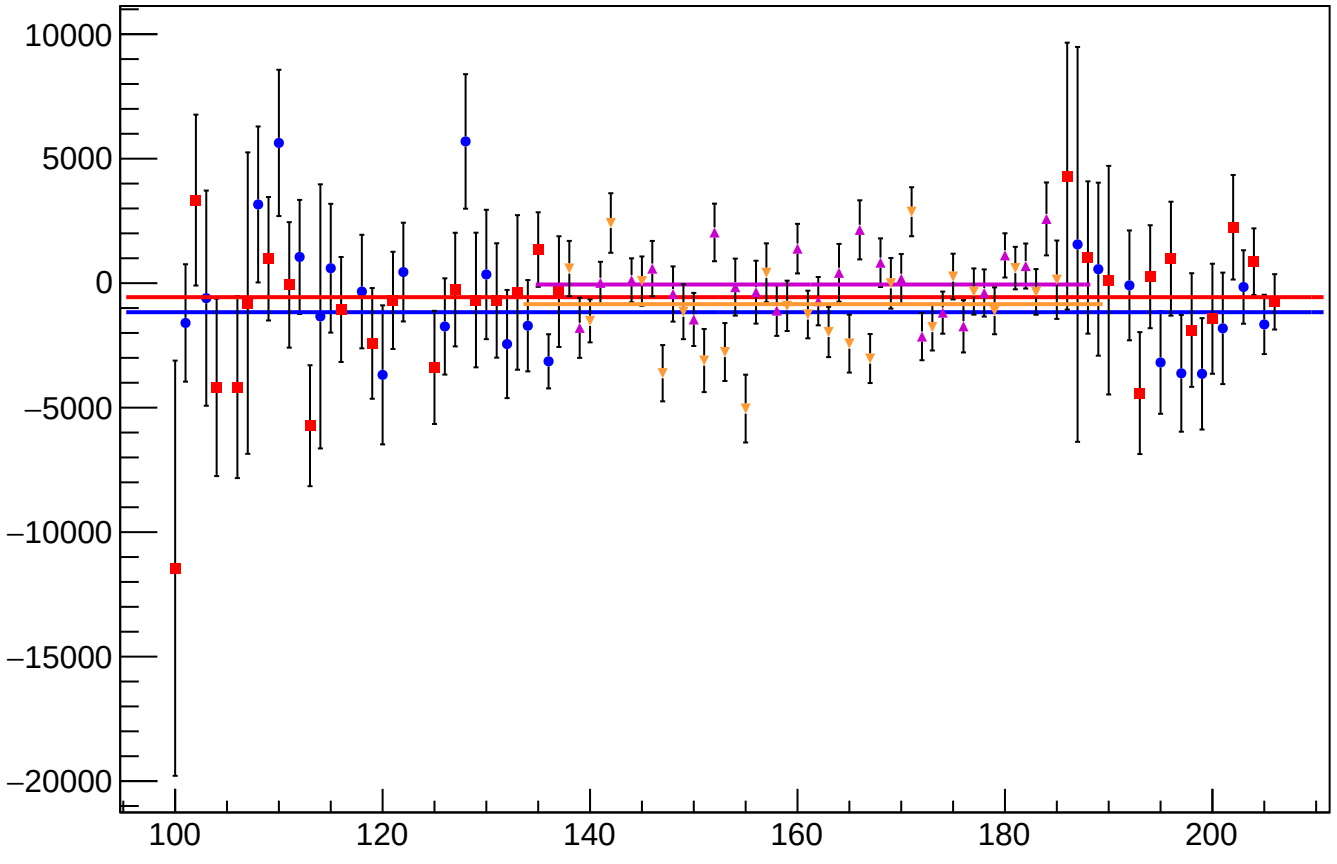
Right Out: 1809.512+/-0.322 χ^2/NDF: 320204.2/28

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1757.012+/-0.219 χ^2/NDF: 731795.8/48

All: 1761.968+/-0.153 χ^2/NDF: 1086749.0/10

- sign 1766.718+/-0.214 χ^2/NDF: 353946.3/51



Right In: -1166.229+/-422.806 χ^2/NDF: 25.5/24

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

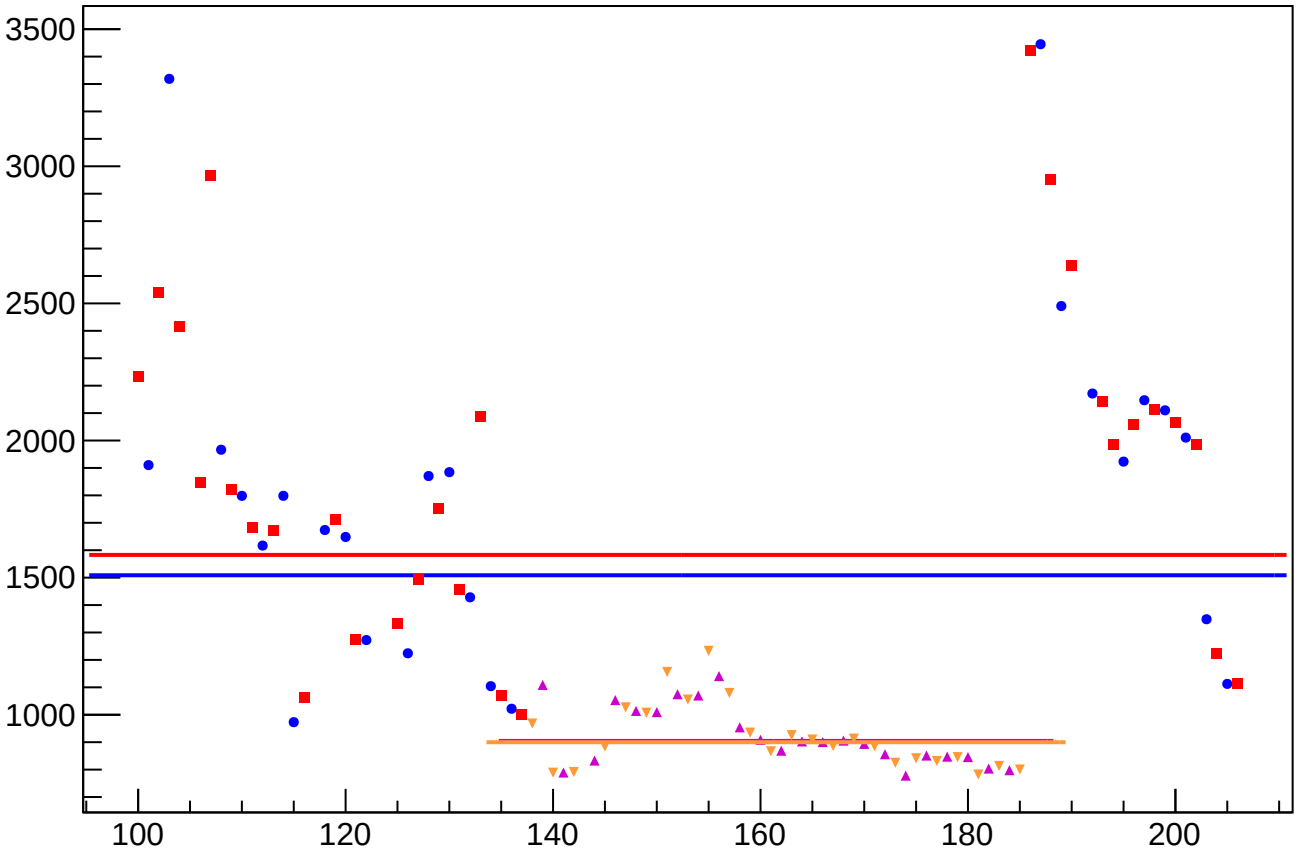
Right Out: -562.317+/-418.981 χ^2/NDF: 21.6/28

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -906.954+/-188.691 χ^2/NDF: 88.7/48

All: -534.920+/-133.832 χ^2/NDF: 149.9/100

- sign -158.308+/-189.848 χ^2/NDF: 53.4/51



Right In: 1508.647+/-0.299 χ^2/NDF: 2411096.0/24

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1582.913+/-0.296 χ^2/NDF: 2841586.2/28

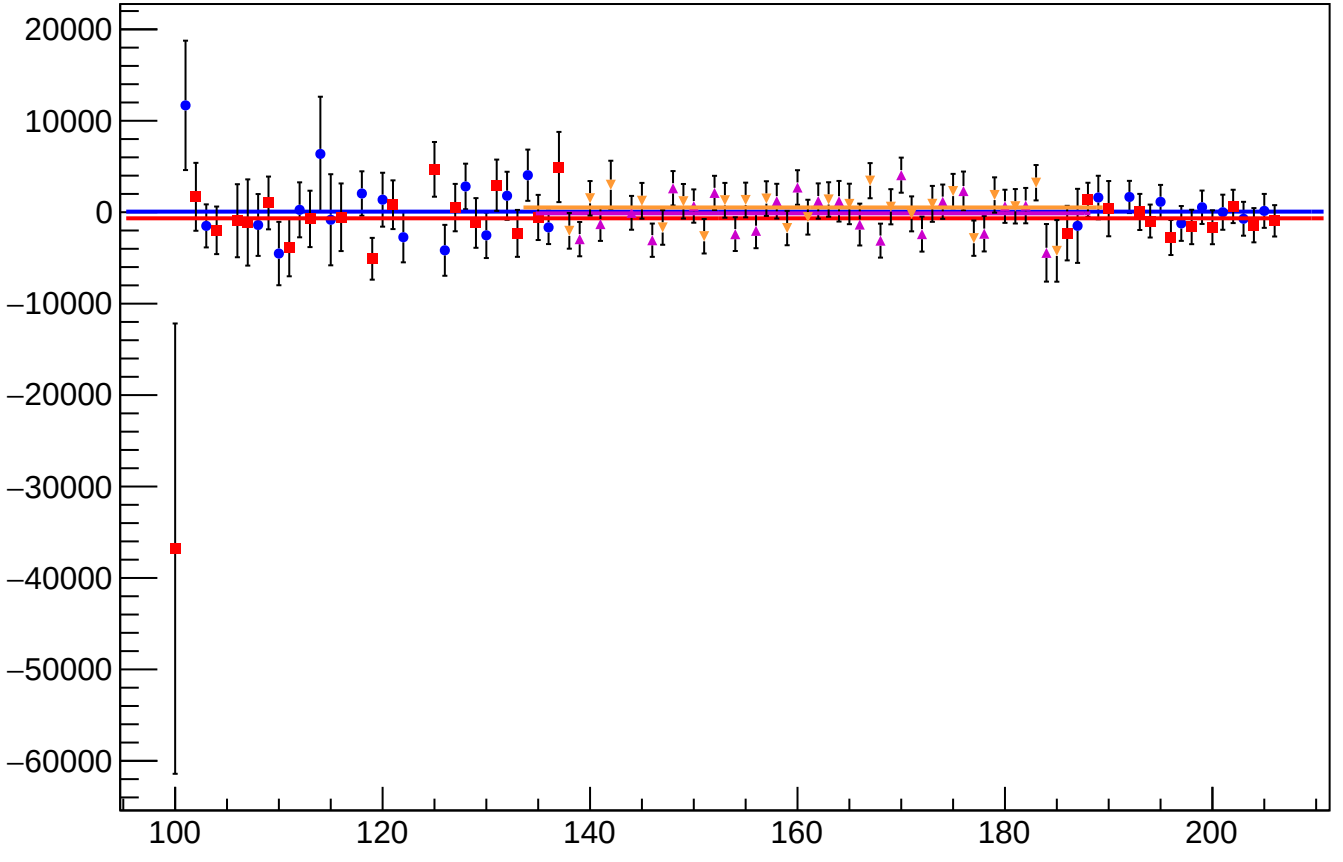
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1021.074+/-0.133 χ^2/NDF: 6227496.2/48

All: 1032.422+/-0.095 χ^2/NDF: 13701021.2/1

- sign 1043.911+/-0.134 χ^2/NDF: 7458966.8/51

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 64.235+/-483.981 χ^2/NDF: 18.4/24

Left Out: 519.957+/-401.705 χ^2/NDF:20.8/23

Right Out: -667.590+/-455.892 χ^2/NDF: 20.0/28

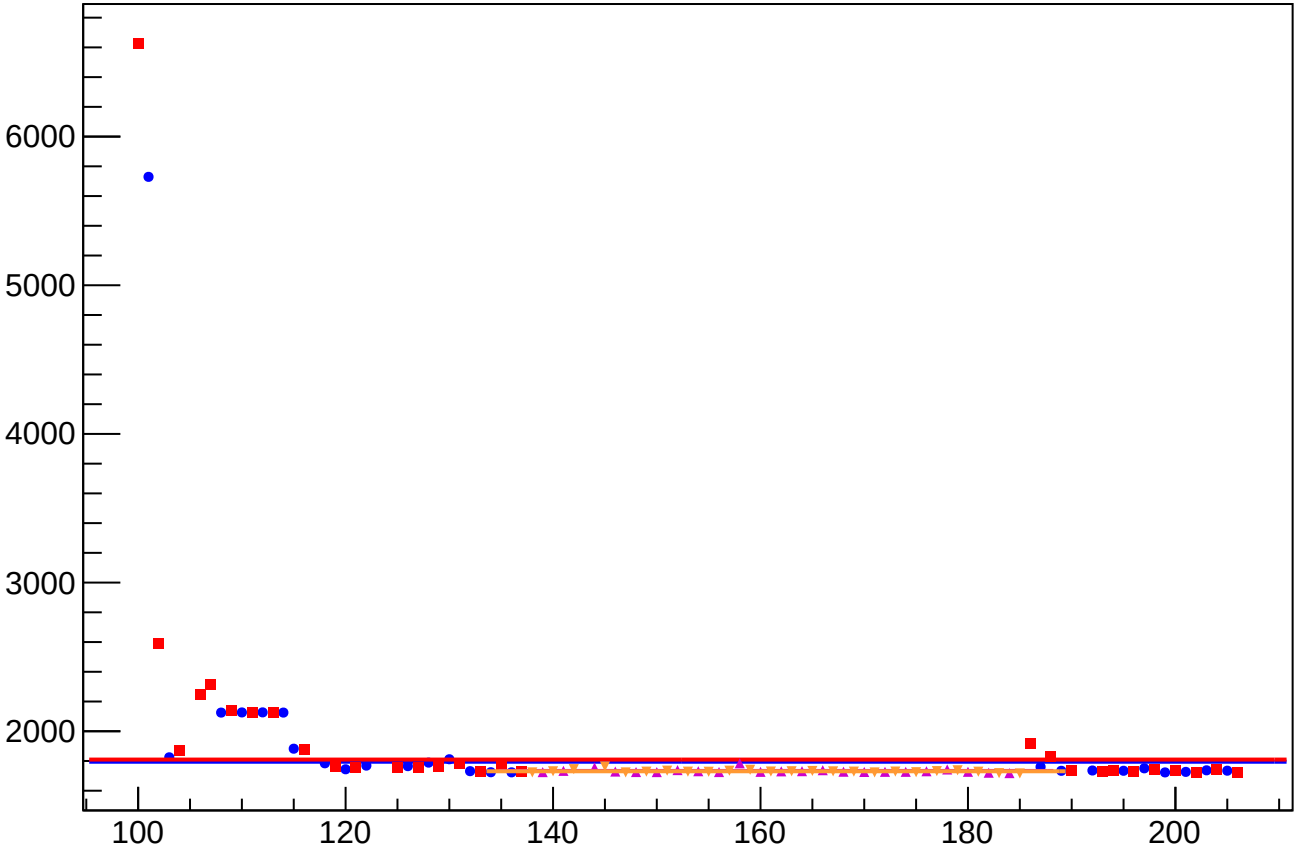
Left In: -126.091+/-404.630 χ^2/NDF:29.5/22

+ sign 334.068+/-309.104 χ^2/NDF: 39.7/48

All: -22.716+/-216.242 χ^2/NDF: 92.6/100

- sign -364.697+/-302.624 χ^2/NDF: 50.3/51

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1794.992+/-0.342 χ^2/NDF: 710024.4/24

Left Out: 1730.847+/-0.284 χ^2/NDF:969.7/23

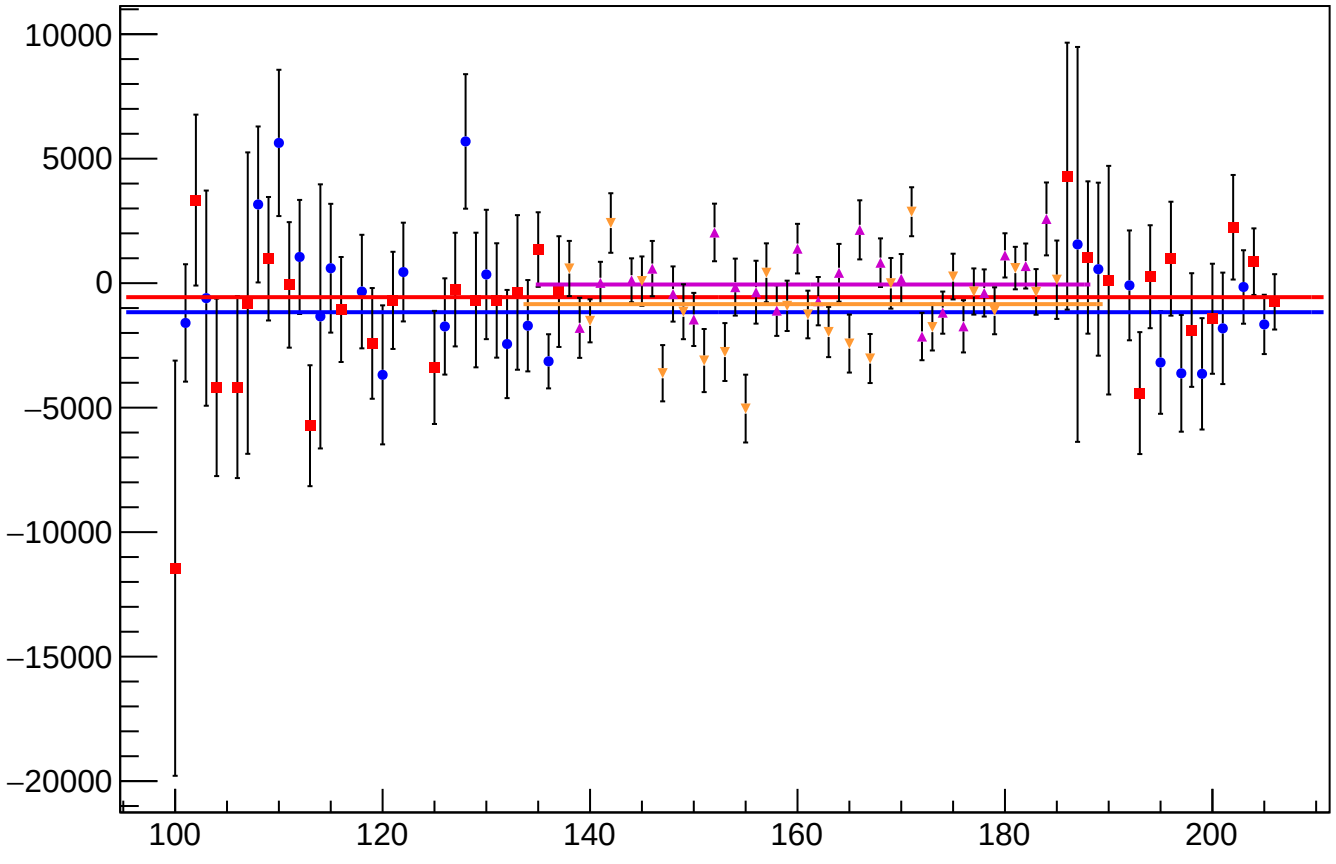
Right Out: 1809.512+/-0.322 χ^2/NDF: 320204.2/28

Left In: 1733.007+/-0.286 χ^2/NDF:2237.4/22

+ sign 1757.012+/-0.219 χ^2/NDF: 731795.8/48

All: 1761.968+/-0.153 χ^2/NDF: 1086749.0/10

- sign 1766.718+/-0.214 χ^2/NDF: 353946.3/51



Right In: -1166.229+/-422.806 χ^2/NDF: 25.5/24

Left Out: -842.473+/-210.853 χ^2/NDF:62.7/23

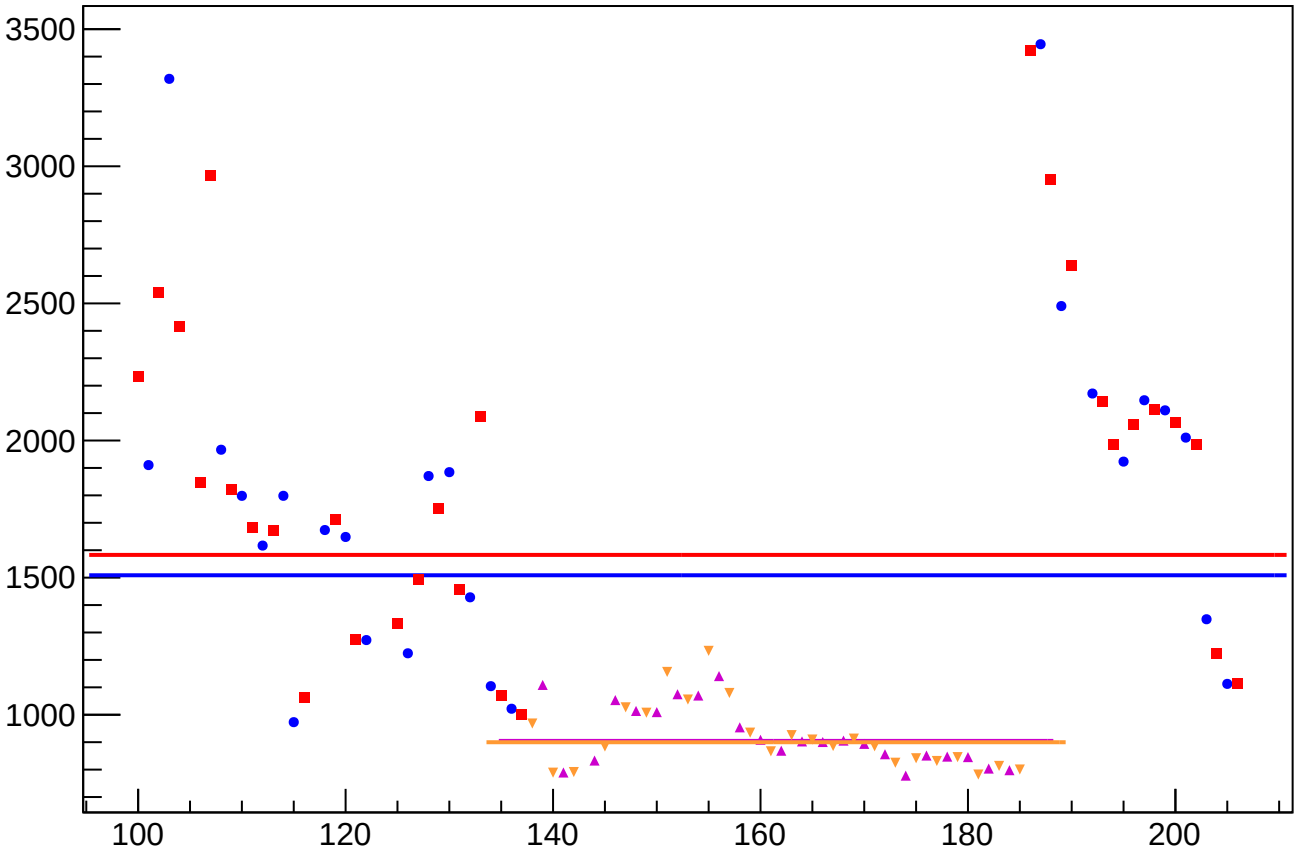
Right Out: -562.317+/-418.981 χ^2/NDF: 21.6/28

Left In: -53.927+/-212.965 χ^2/NDF:30.6/22

+ sign -906.954+/-188.691 χ^2/NDF: 88.7/48

All: -534.920+/-133.832 χ^2/NDF: 149.9/100

- sign -158.308+/-189.848 χ^2/NDF: 53.4/51



Right In: 1508.647+/-0.299 χ^2/NDF: 2411096.0/24

Left Out: 899.814+/-0.149 χ^2/NDF:495276.2/23

Right Out: 1582.913+/-0.296 χ^2/NDF: 2841586.2/28

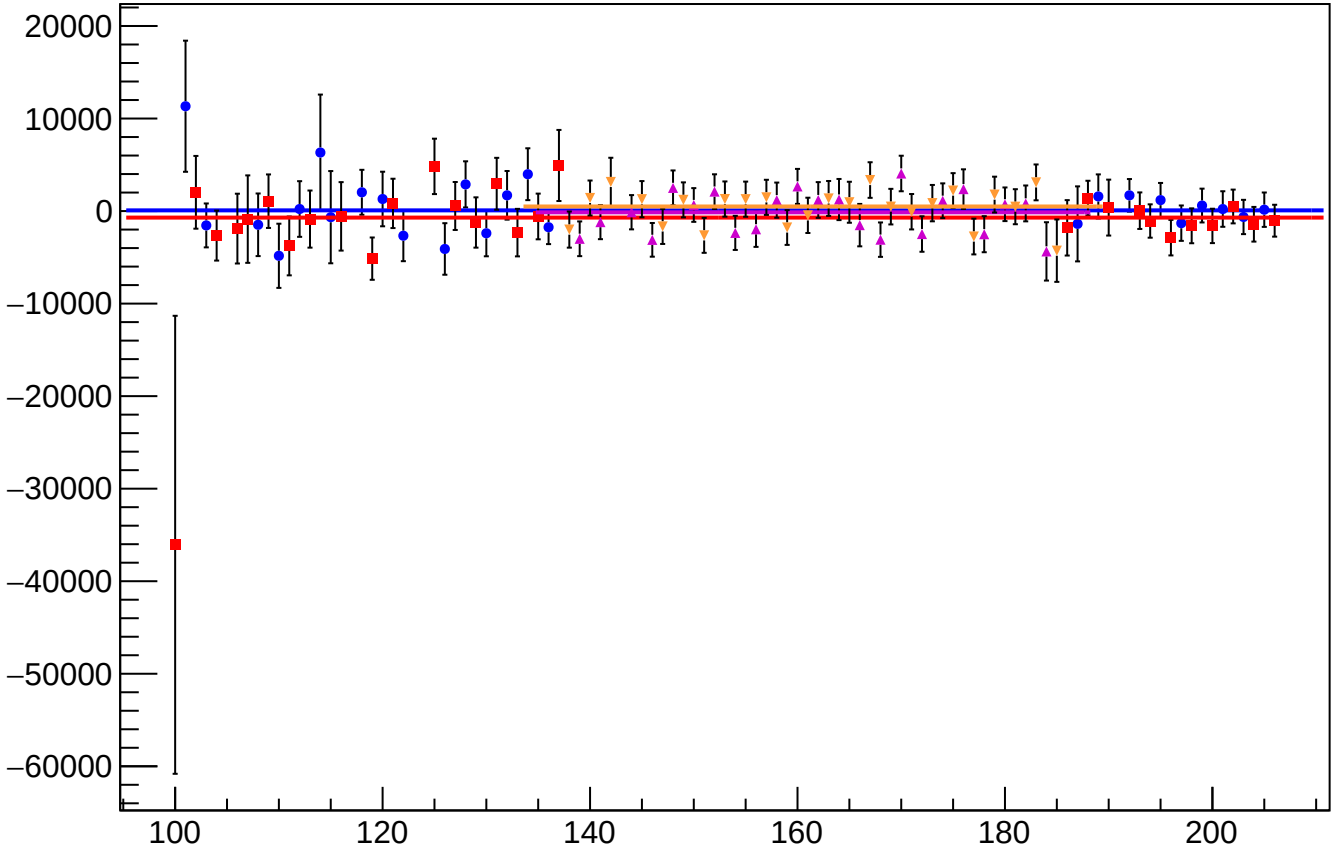
Left In: 904.653+/-0.151 χ^2/NDF:452259.2/22

+ sign 1021.074+/-0.133 χ^2/NDF: 6227496.2/48

All: 1032.422+/-0.095 χ^2/NDF: 13701021.2/1

- sign 1043.911+/-0.134 χ^2/NDF: 7458966.8/51

dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 76.165+/-484.529 χ^2/NDF: 18.4/24

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -705.545+/-456.920 χ^2/NDF: 20.6/28

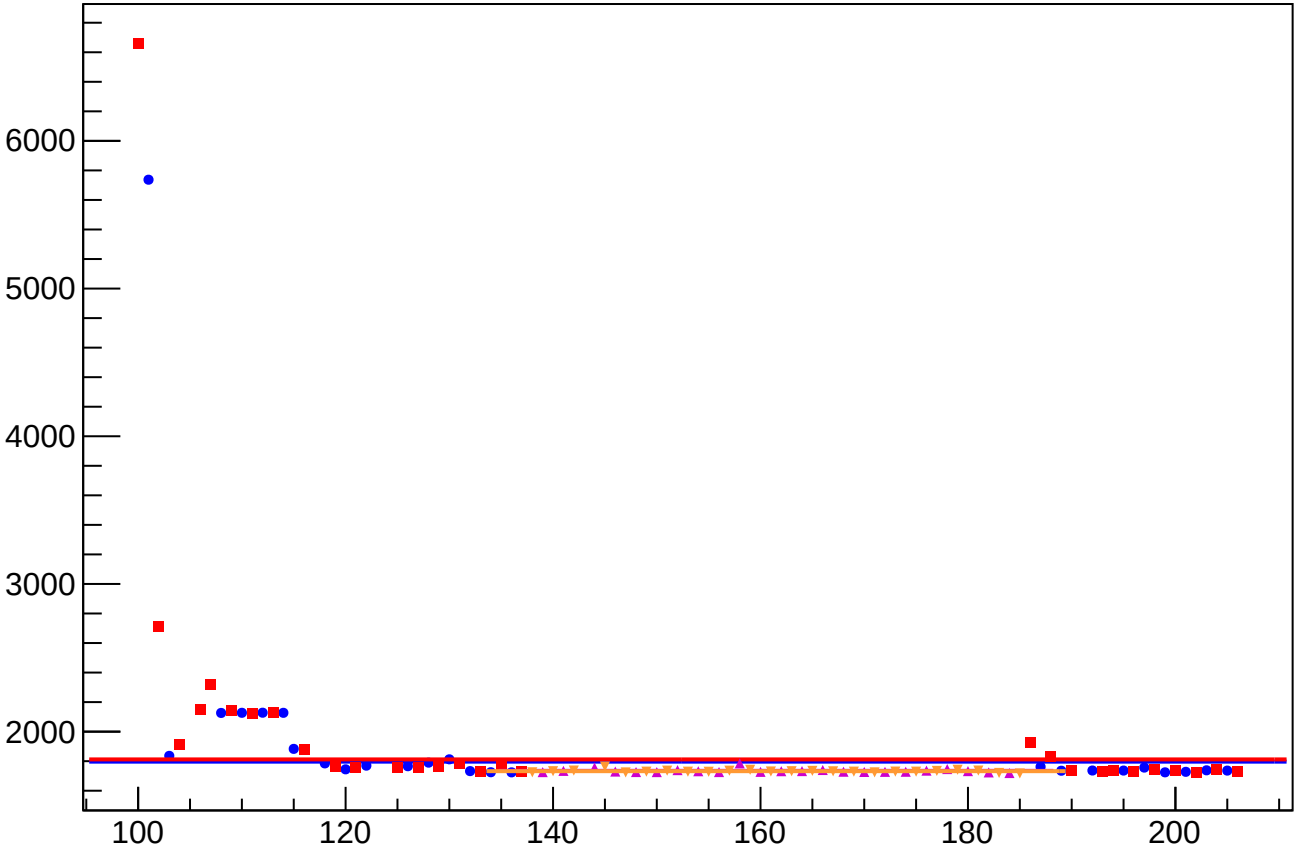
Left In: -137.162+/-404.995 χ^2/NDF:29.6/22

+ sign 324.142+/-309.413 χ^2/NDF: 38.9/48

All: -38.904+/-216.513 χ^2/NDF: 92.5/100

- sign -387.236+/-303.077 χ^2/NDF: 51.0/51

dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1796.877+/-0.343 χ^2/NDF: 710327.6/24

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

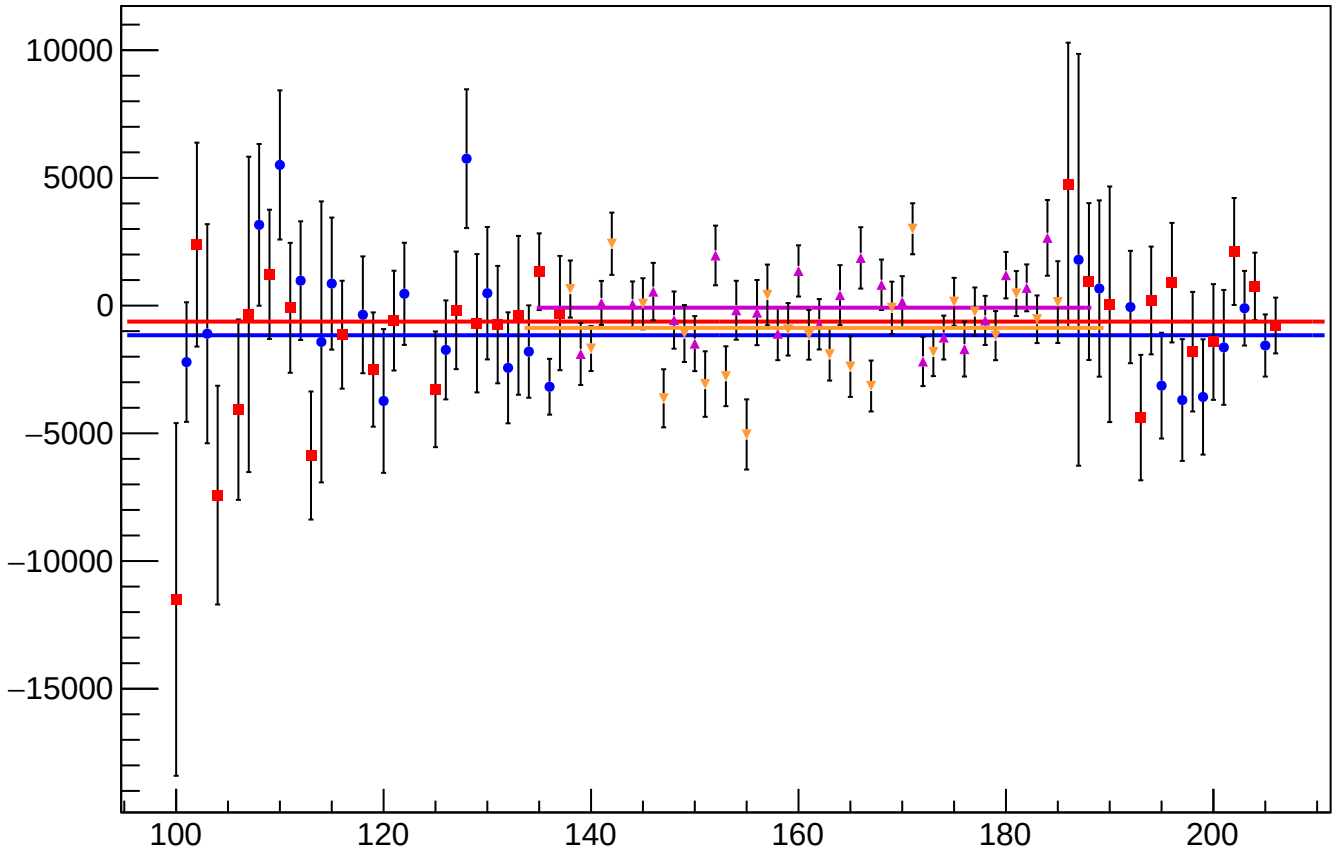
Right Out: 1811.989+/-0.323 χ^2/NDF: 330692.0/28

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1758.687+/-0.219 χ^2/NDF: 732219.5/48

All: 1763.762+/-0.153 χ^2/NDF: 1098338.5/10

- sign 1768.631+/-0.214 χ^2/NDF: 365064.6/51



Right In: -1160.695+/-424.514 χ^2/NDF: 25.7/24

Left Out: -872.827+/-214.008 χ^2/NDF:62.0/23

Right Out: -625.779+/-421.337 χ^2/NDF: 22.7/28

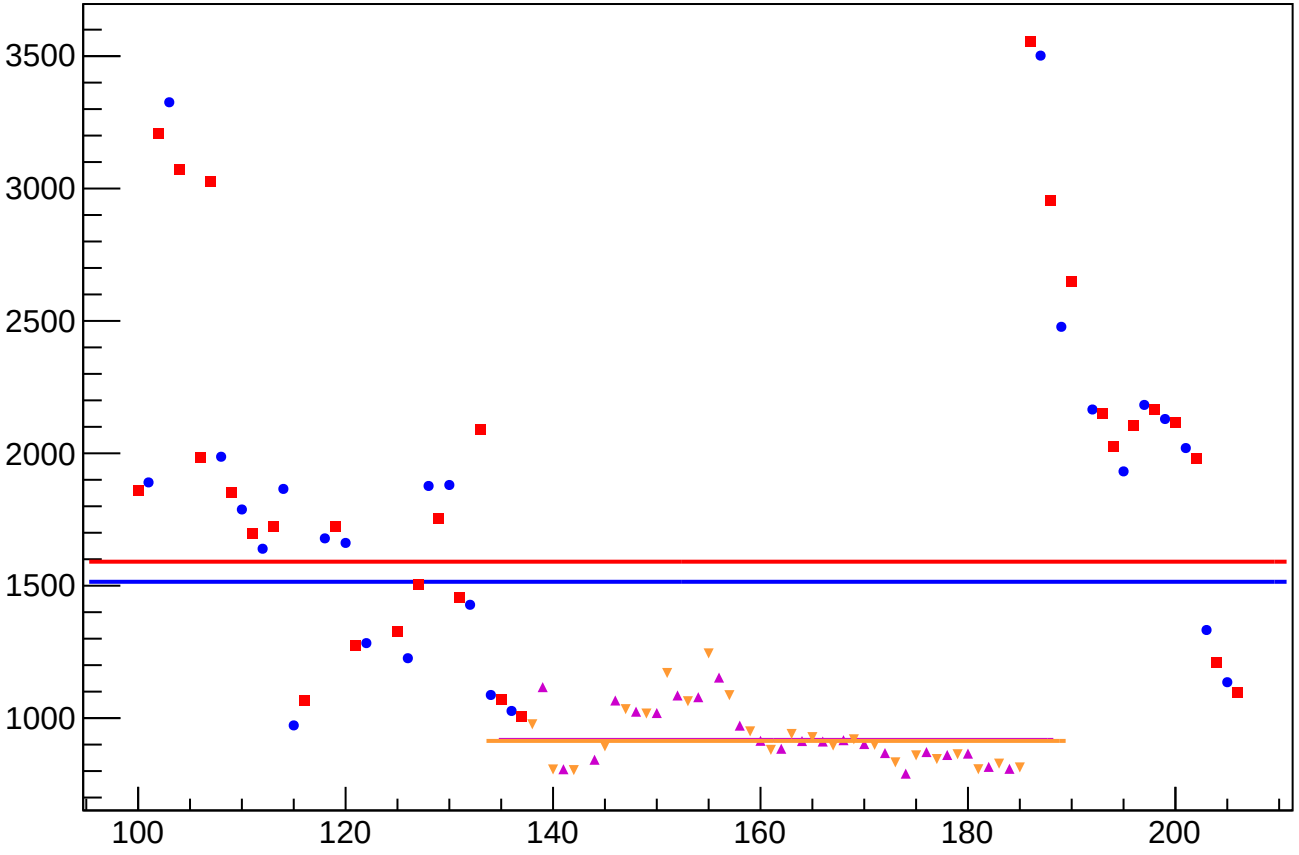
Left In: -81.519+/-215.913 χ^2/NDF:30.0/22

+ sign -931.161+/-191.098 χ^2/NDF: 88.1/48

All: -564.966+/-135.498 χ^2/NDF: 149.5/100

- sign -194.717+/-192.153 χ^2/NDF: 54.0/51

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs Slug



Right In: 1514.817+/-0.300 χ^2/NDF: 2412739.0/24

Left Out: 913.899+/-0.151 χ^2/NDF:462850.2/23

Right Out: 1590.722+/-0.298 χ^2/NDF: 3298975.5/28

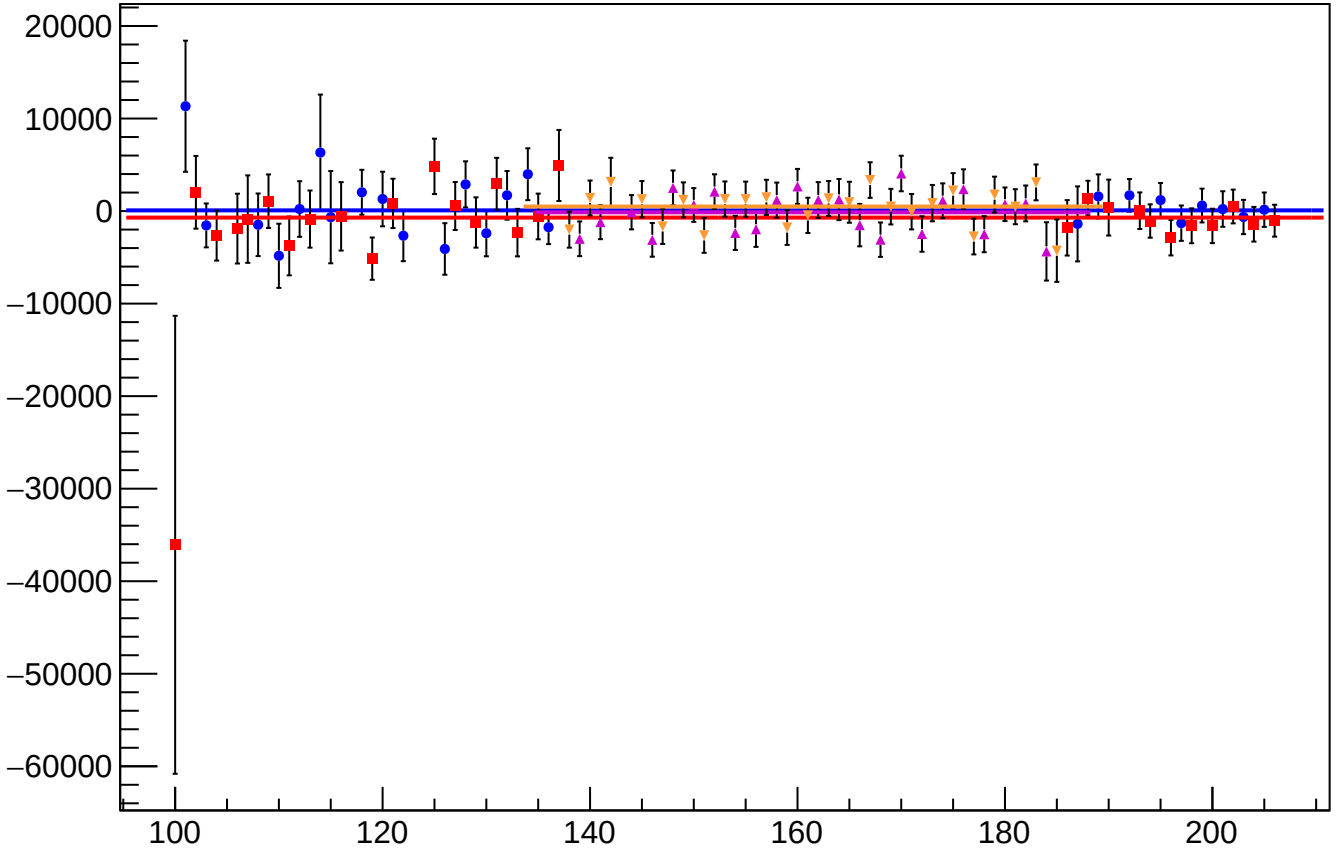
Left In: 917.674+/-0.153 χ^2/NDF:430498.5/22

+ sign 1035.670+/-0.135 χ^2/NDF: 6071028.1/48

All: 1046.603+/-0.096 χ^2/NDF: 13855659.9/1

- sign 1057.658+/-0.136 χ^2/NDF: 7771465.1/51

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 76.166+/-484.529 χ^2/NDF: 18.4/24

Left Out: 494.897+/-402.069 χ^2/NDF:20.1/23

Right Out: -705.545+/-456.920 χ^2/NDF: 20.6/28

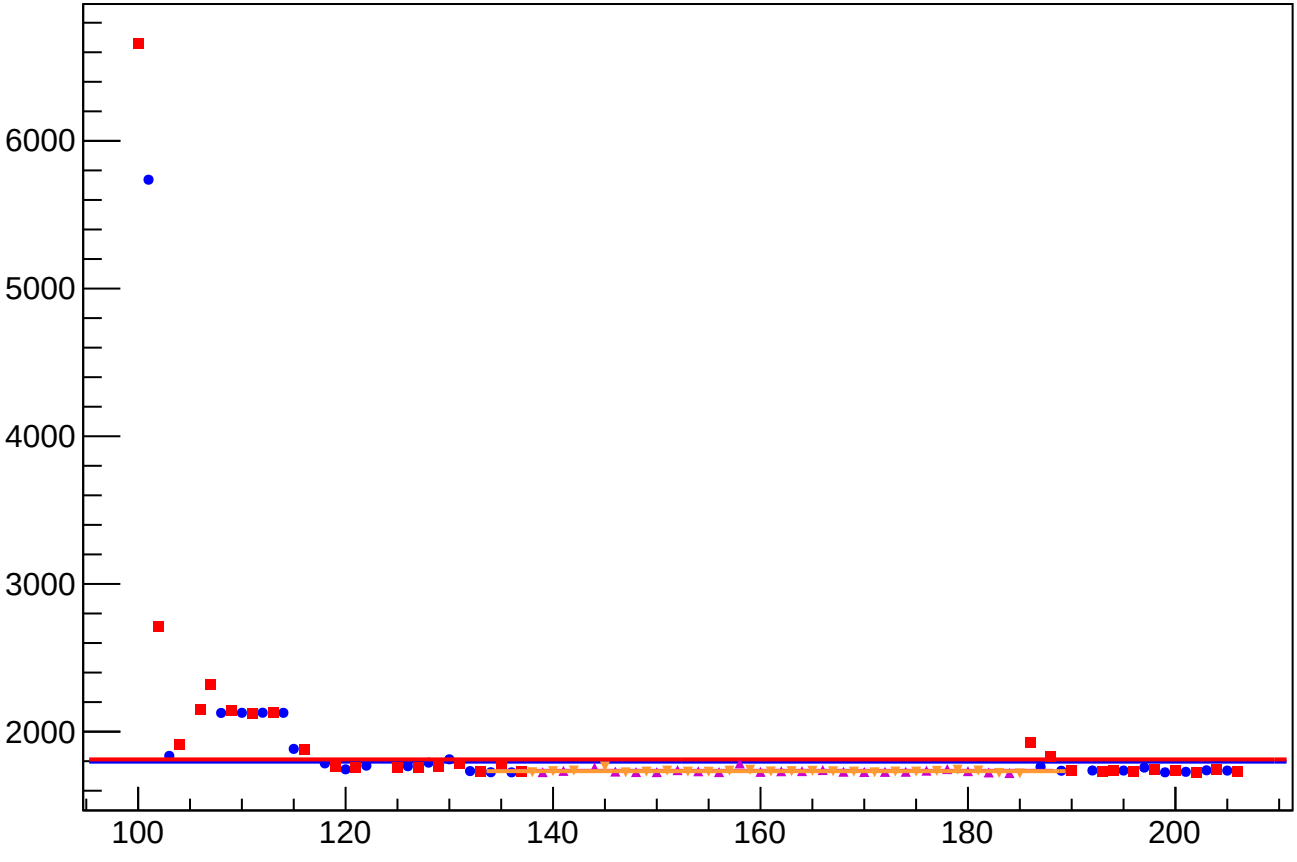
Left In: -137.163+/-404.995 χ^2/NDF:29.6/22

+ sign 324.143+/-309.413 χ^2/NDF: 38.9/48

All: -38.904+/-216.513 χ^2/NDF: 92.5/100

- sign -387.236+/-303.077 χ^2/NDF: 51.0/51

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 1796.877+/-0.343 χ^2/NDF: 710327.6/24

Left Out: 1732.389+/-0.284 χ^2/NDF:910.8/23

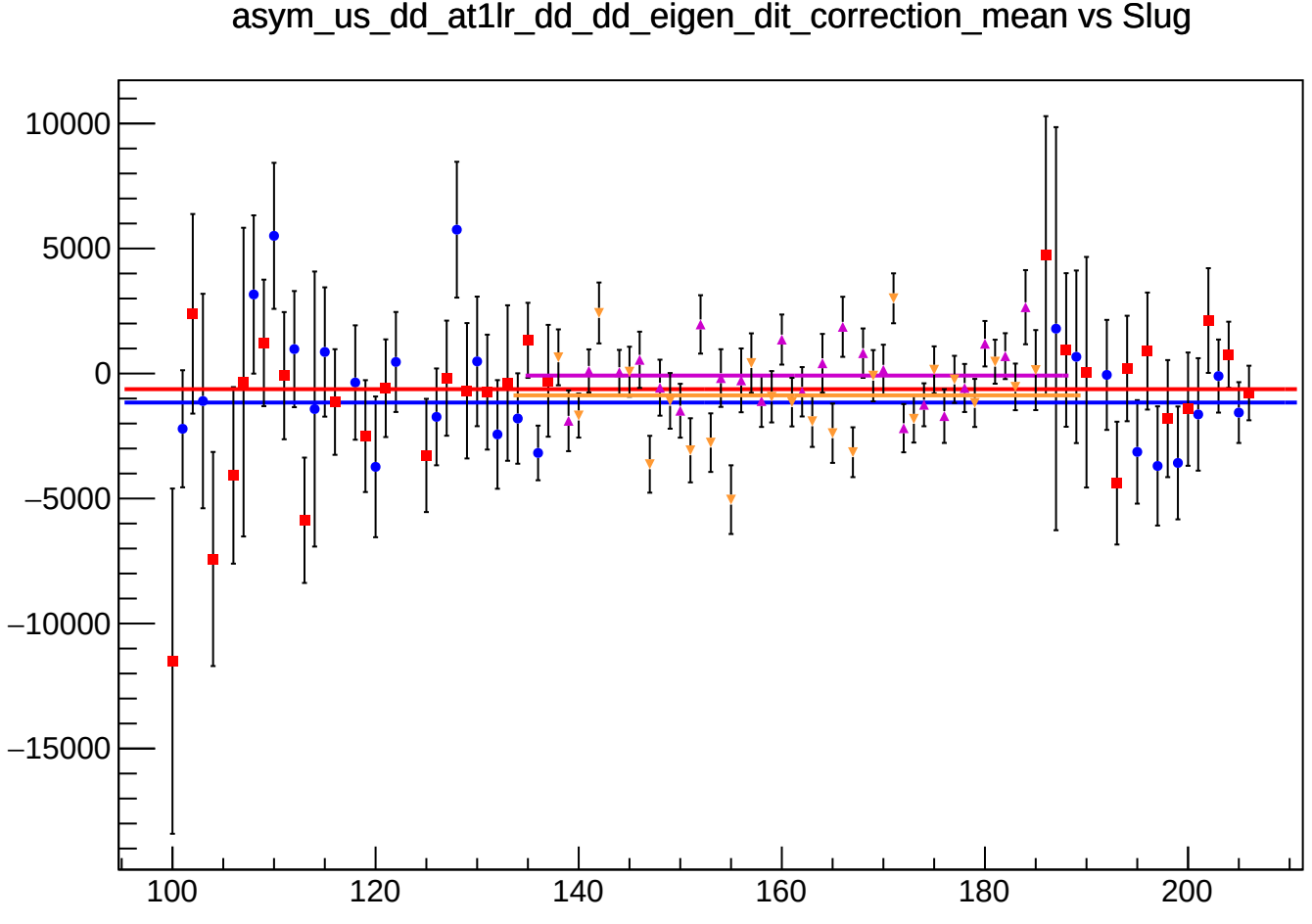
Right Out: 1811.989+/-0.323 χ^2/NDF: 330691.7/28

Left In: 1734.568+/-0.286 χ^2/NDF:2215.7/22

+ sign 1758.687+/-0.219 χ^2/NDF: 732219.5/48

All: 1763.762+/-0.153 χ^2/NDF: 1098338.2/10

- sign 1768.631+/-0.214 χ^2/NDF: 365064.3/51



Right In: -1160.691+/-424.513 χ^2/NDF: 25.7/24

Left Out: -872.826+/-214.008 χ^2/NDF:62.0/23

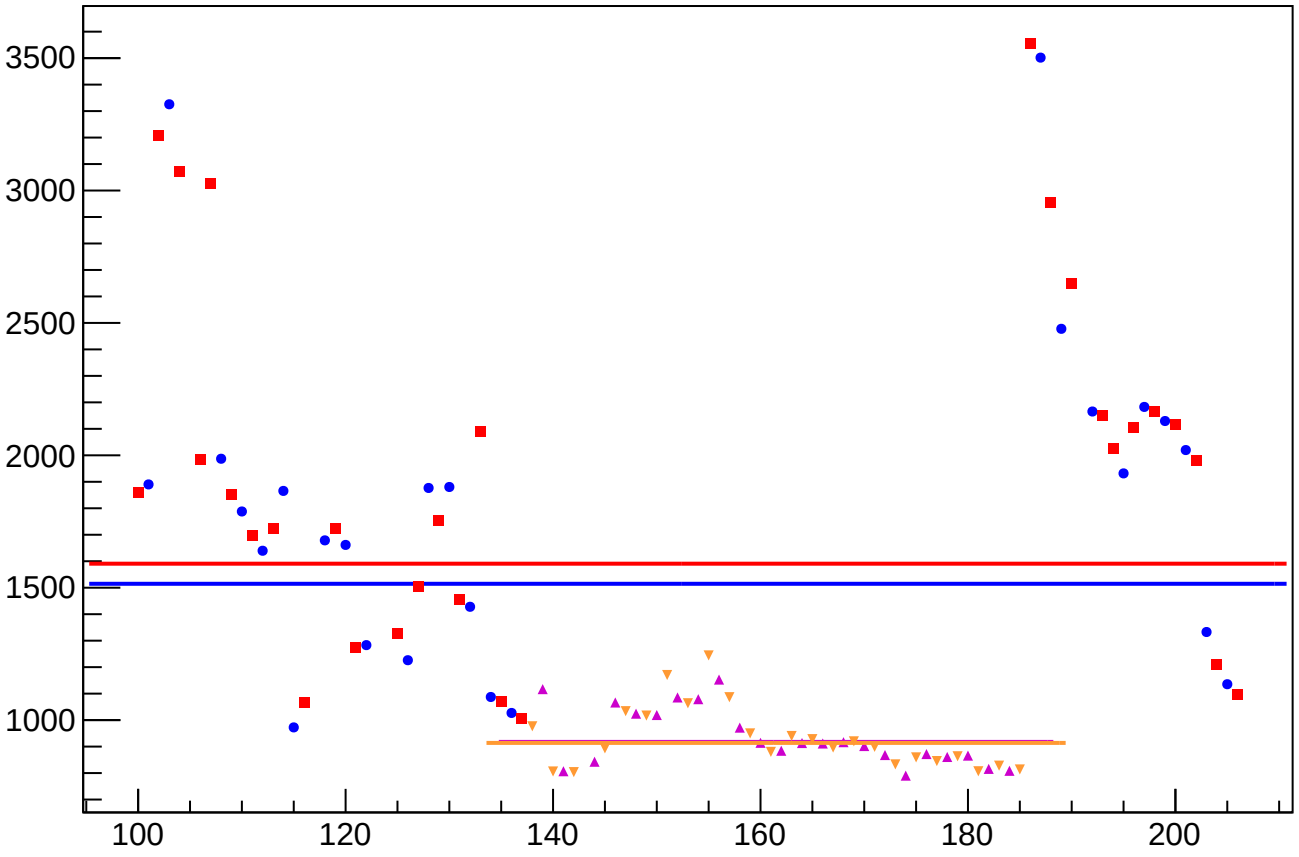
Right Out: -625.781+/-421.337 χ^2/NDF: 22.7/28

Left In: -81.518+/-215.913 χ^2/NDF:30.0/22

\+ sign -931.160+/-191.098 χ^2/NDF: 88.1/48

All: -564.964+/-135.498 χ^2/NDF: 149.5/100

\- sign -194.717+/-192.152 χ^2/NDF: 54.0/51



Right In: 1514.815+/-0.300 χ^2/NDF: 2412739.3/24

Left Out: 913.898+/-0.151 χ^2/NDF:462858.6/23

Right Out: 1590.720+/-0.298 χ^2/NDF: 3298983.1/28

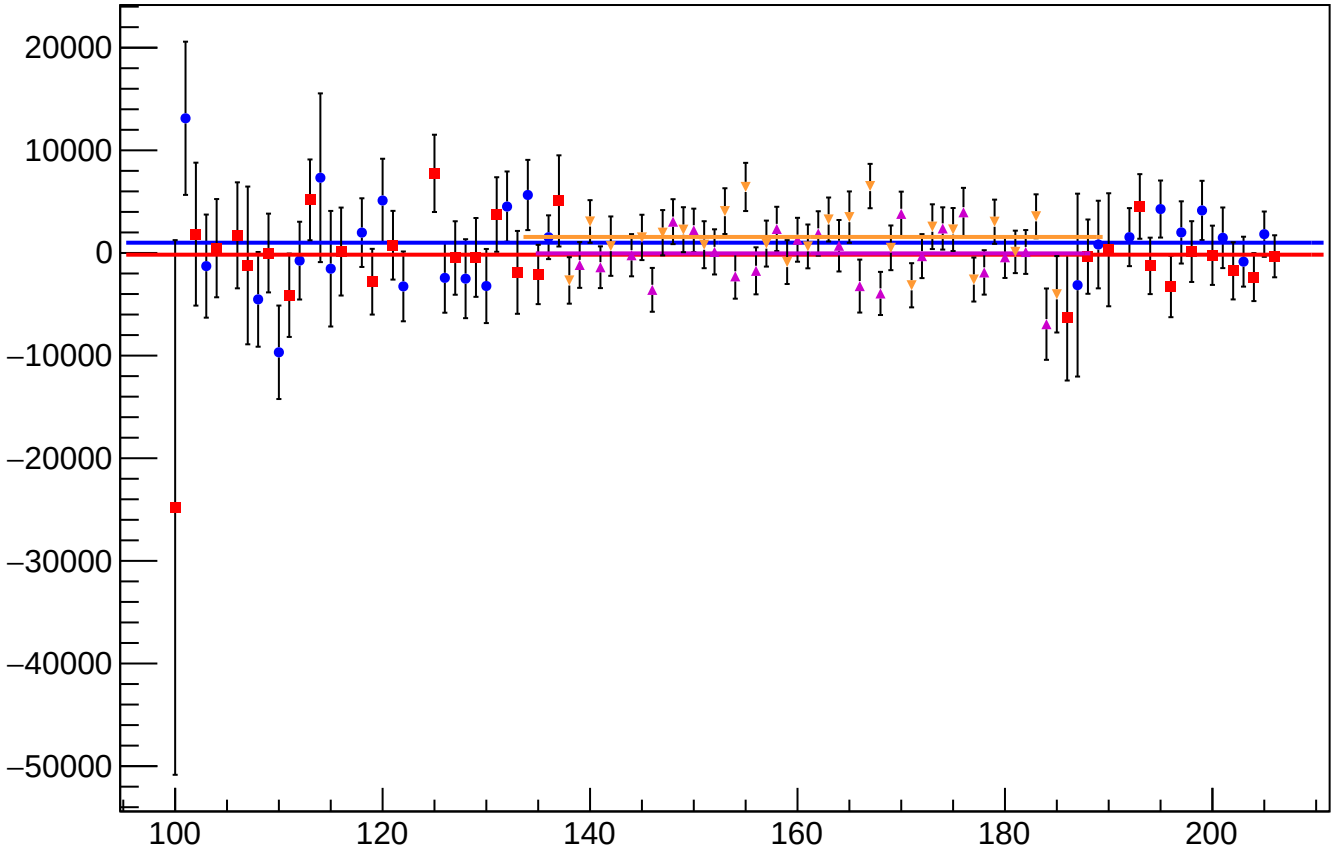
Left In: 917.674+/-0.153 χ^2/NDF:430509.1/22

+ sign 1035.669+/-0.135 χ^2/NDF: 6071027.9/48

All: 1046.603+/-0.096 χ^2/NDF: 13855668.0/1

- sign 1057.657+/-0.136 χ^2/NDF: 7771473.5/51

asym_us_dd_at1lr_dd_dd_mean vs Slug



Right In: 1000.250+/-679.338 χ^2/NDF: 23.3/24

Left Out: 1561.357+/-456.883 χ^2/NDF:31.2/23

Right Out: -167.108+/-653.286 χ^2/NDF: 18.0/28

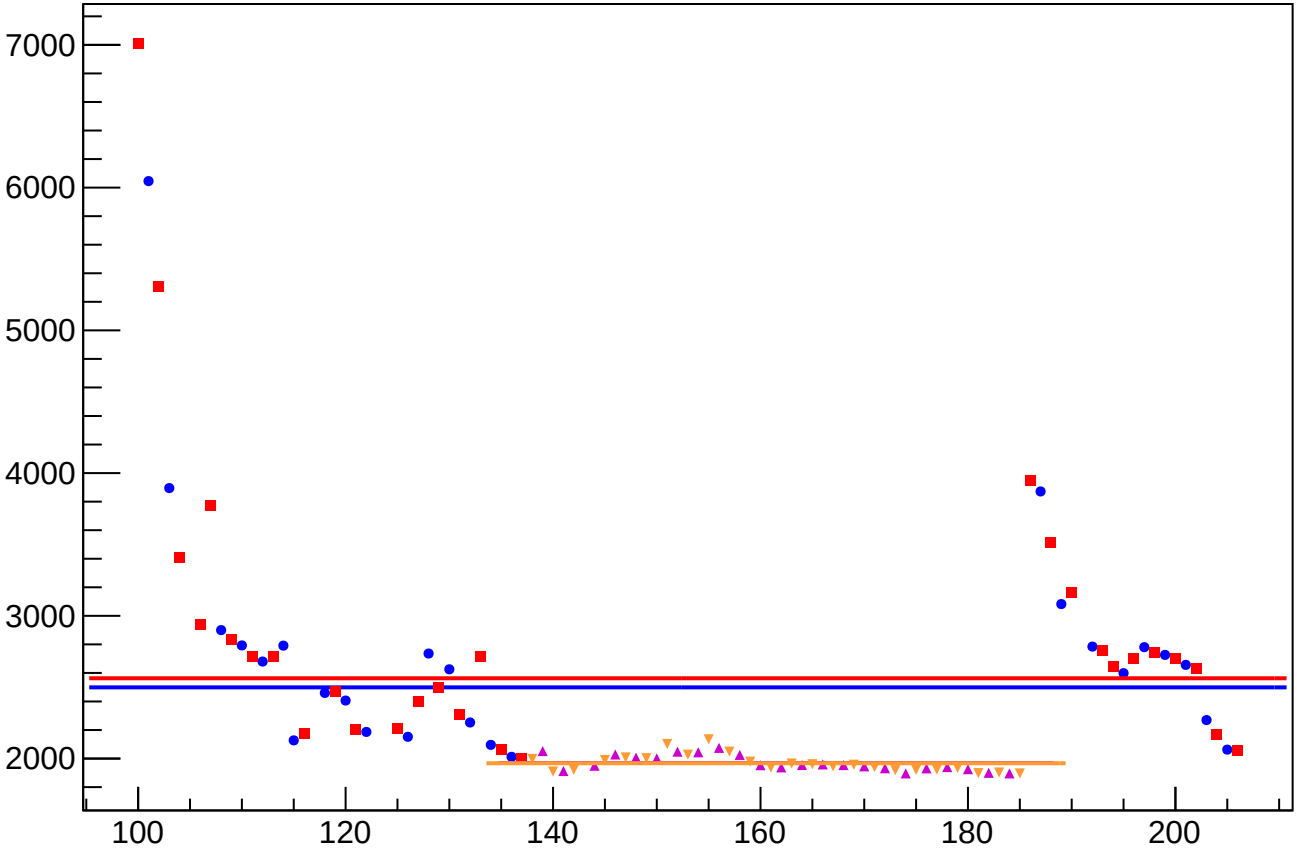
Left In: -39.885+/-459.938 χ^2/NDF:27.8/22

+ sign 1386.604+/-379.118 χ^2/NDF: 55.0/48

All: 646.372+/-266.997 χ^2/NDF: 108.4/100

- sign -82.047+/-376.081 χ^2/NDF: 45.8/51

asym_us_dd_at1lr_dd_dd_rms vs Slug



Right In: 2498.831+/-0.480 χ^2/NDF: 1075643.5/24

Left Out: 1967.416+/-0.323 χ^2/NDF:34217.6/23

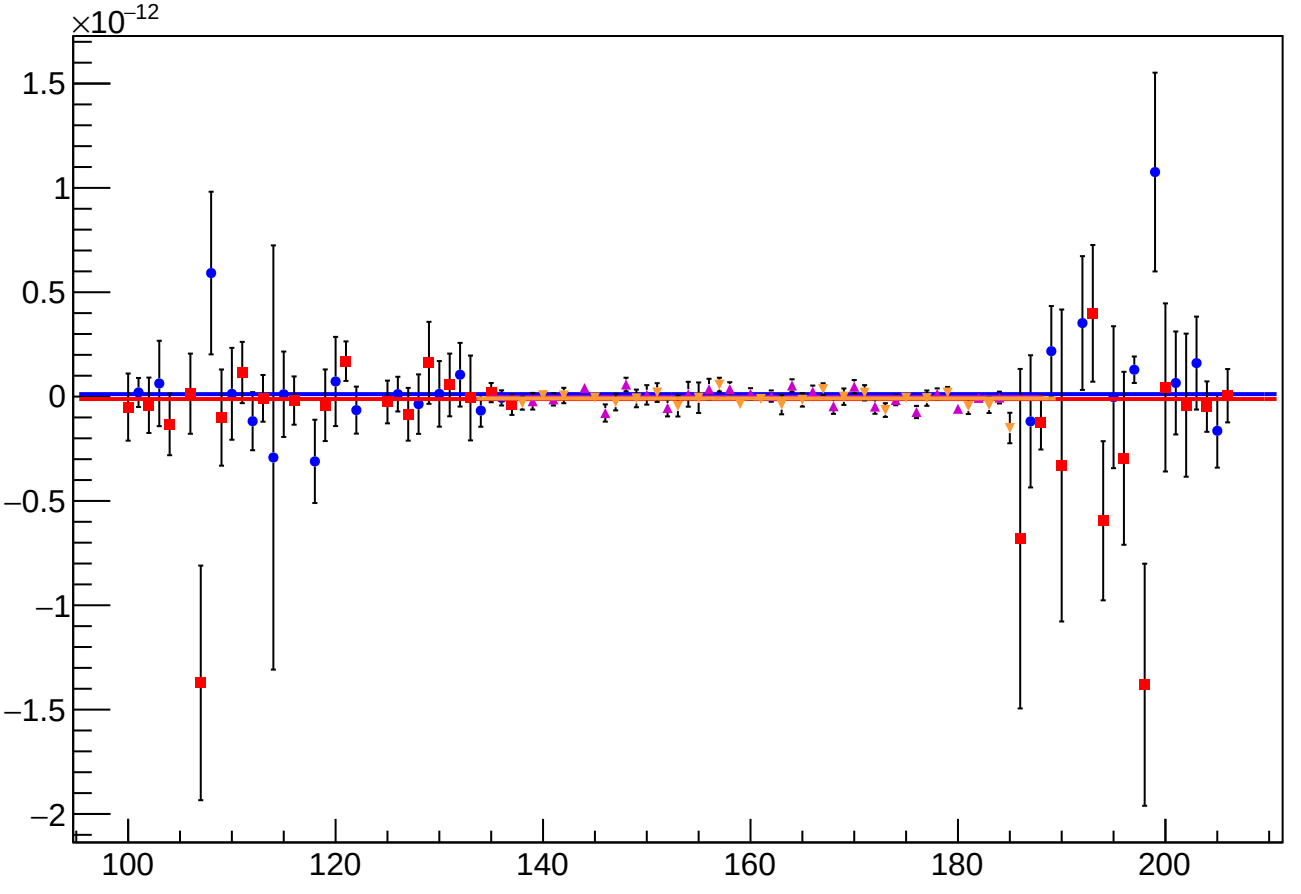
Right Out: 2562.543+/-0.462 χ^2/NDF: 1141686.6/28

Left In: 1969.022+/-0.325 χ^2/NDF:26523.0/22

+ sign 2132.921+/-0.268 χ^2/NDF: 1952548.0/48

All: 2149.451+/-0.189 χ^2/NDF: 4232027.1/10

- sign 2165.717+/-0.266 χ^2/NDF: 2271935.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 20.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:20.8/23

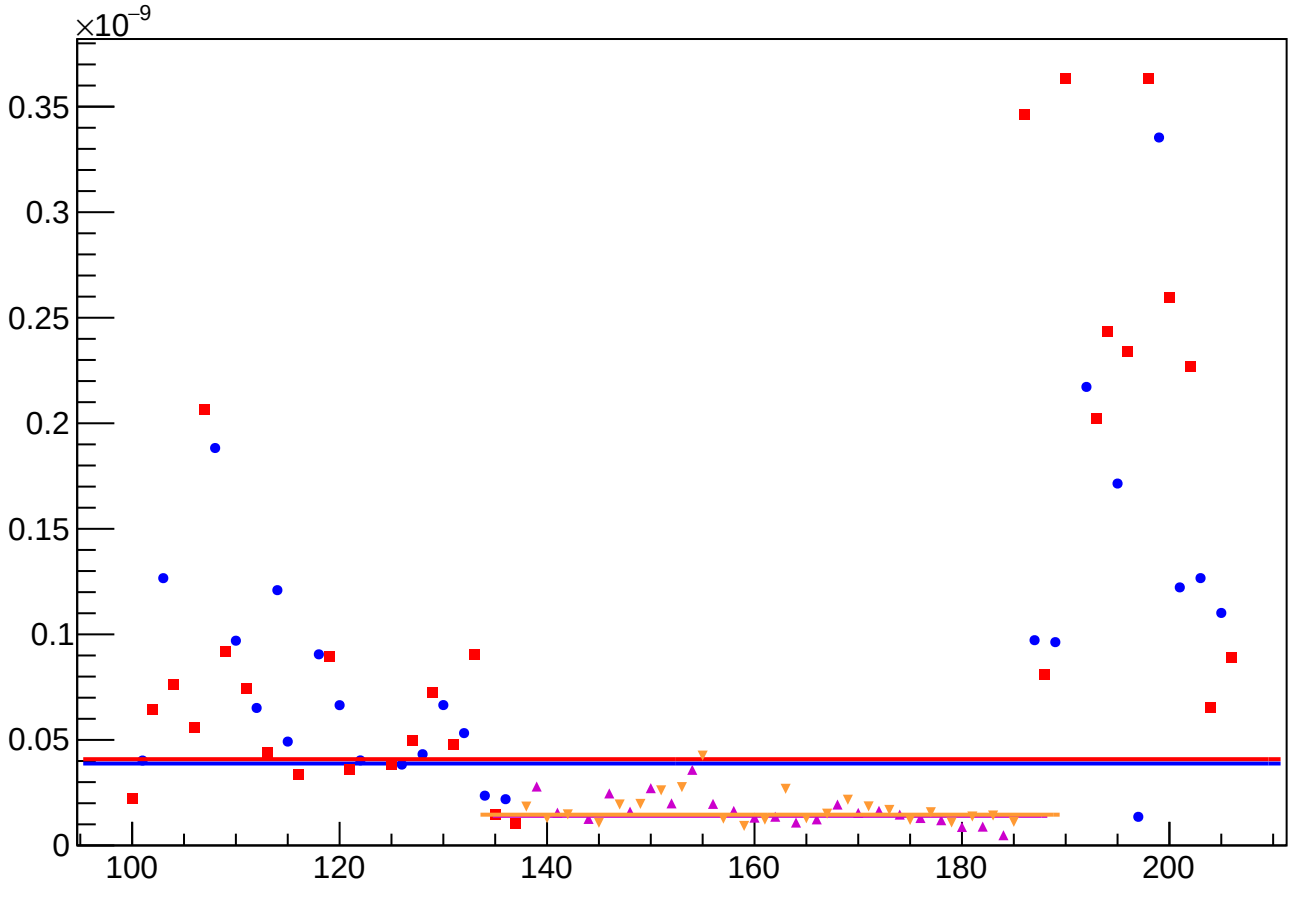
Right Out: -0.000+/-0.000 χ^2/NDF: 25.0/28

Left In: -0.000+/-0.000 χ^2/NDF:38.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.8/48

All: -0.000+/-0.000 χ^2/NDF: 106.1/100

- sign -0.000+/-0.000 χ^2/NDF: 64.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 4745107.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:1178225.5/23

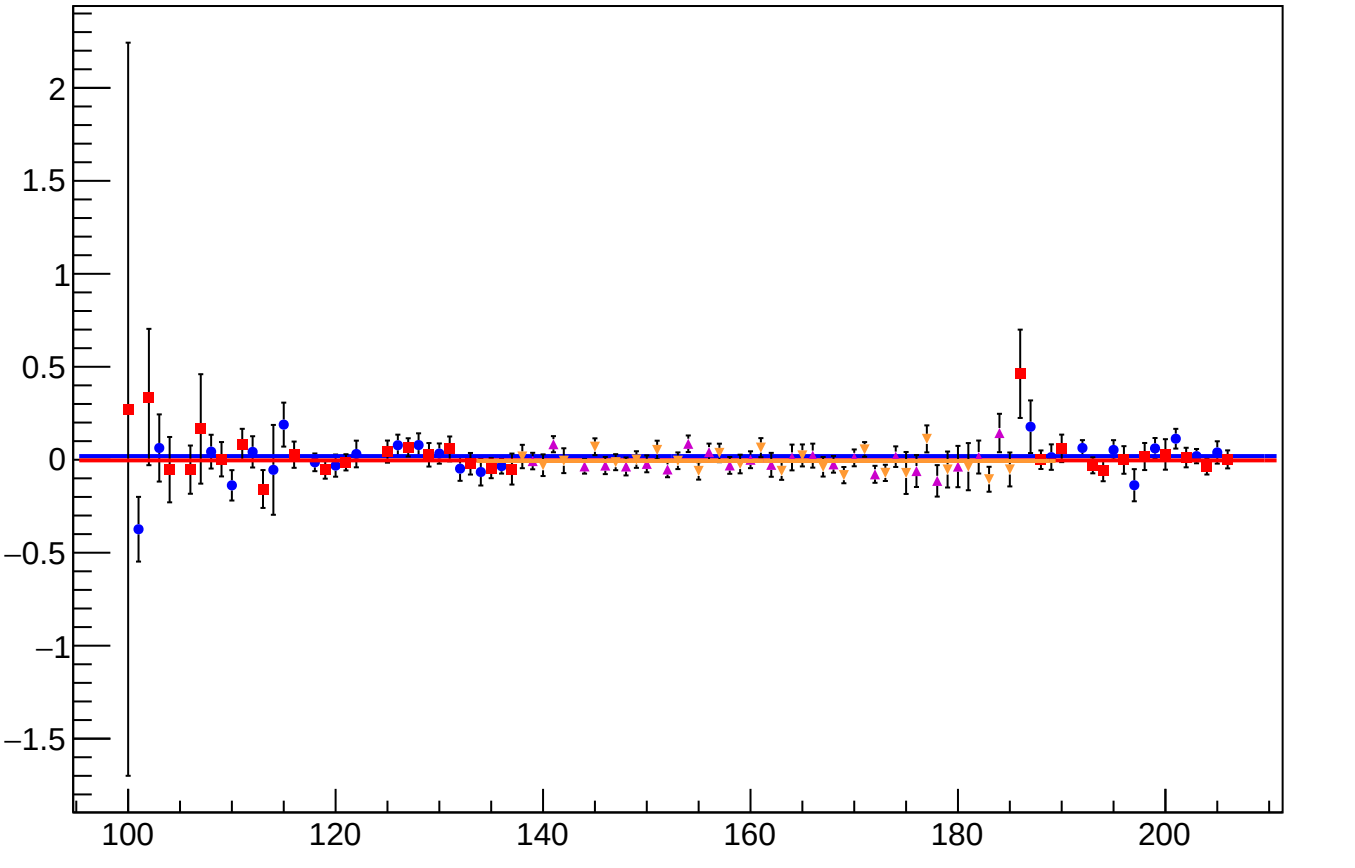
Right Out: 0.000+/-0.000 χ^2/NDF: 6864987.5/28

Left In: 0.000+/-0.000 χ^2/NDF:1430937.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8125864.1/48

All: 0.000+/-0.000 χ^2/NDF: 18994252.7/100

- sign 0.000+/-0.000 χ^2/NDF: 10860623.8/51



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

Right Out: -0.003+/-0.012 χ^2/NDF: 17.9/28

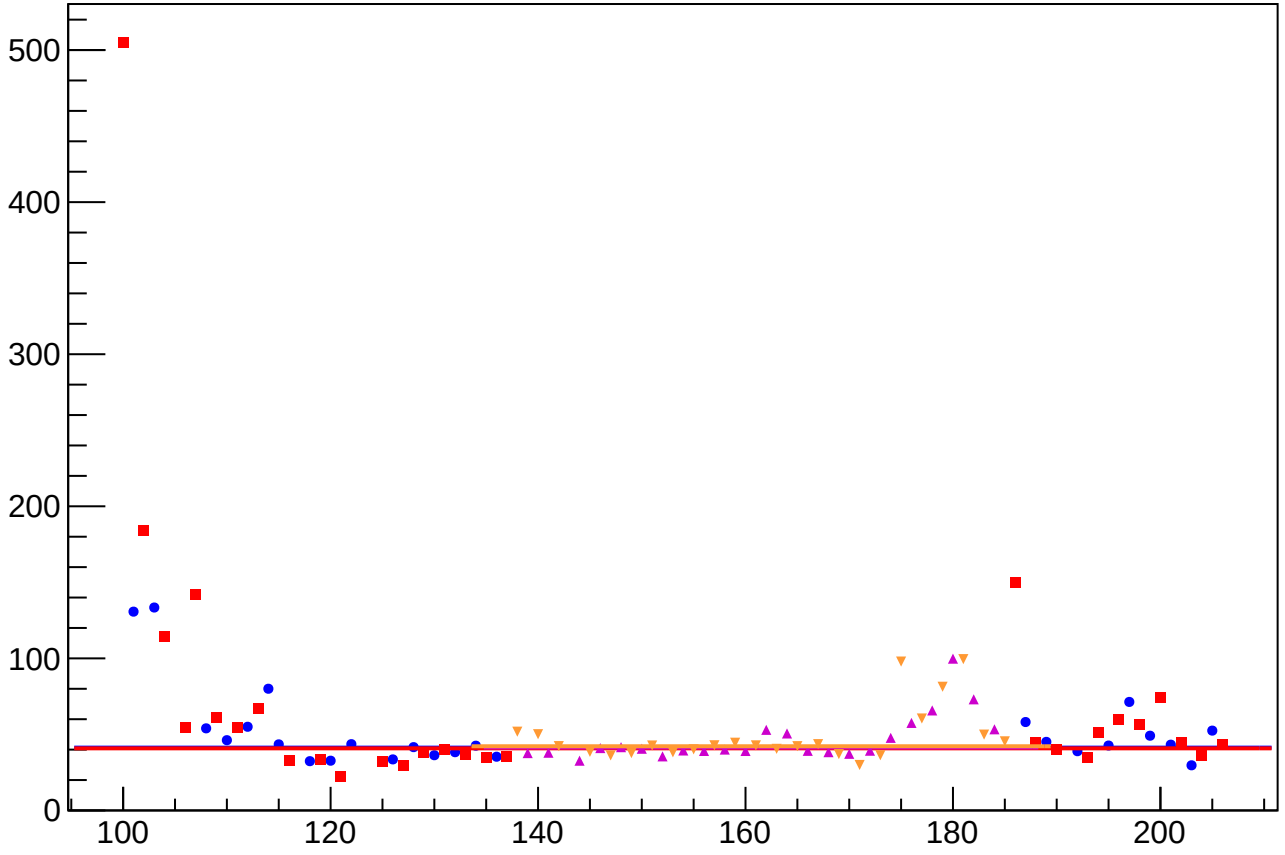
Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.9/48

All: -0.000+/-0.006 χ^2/NDF: 93.6/100

- sign -0.005+/-0.008 χ^2/NDF: 38.0/51

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs Slug



Right In: 41.310+/-0.009 χ^2/NDF: 1994257.5/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

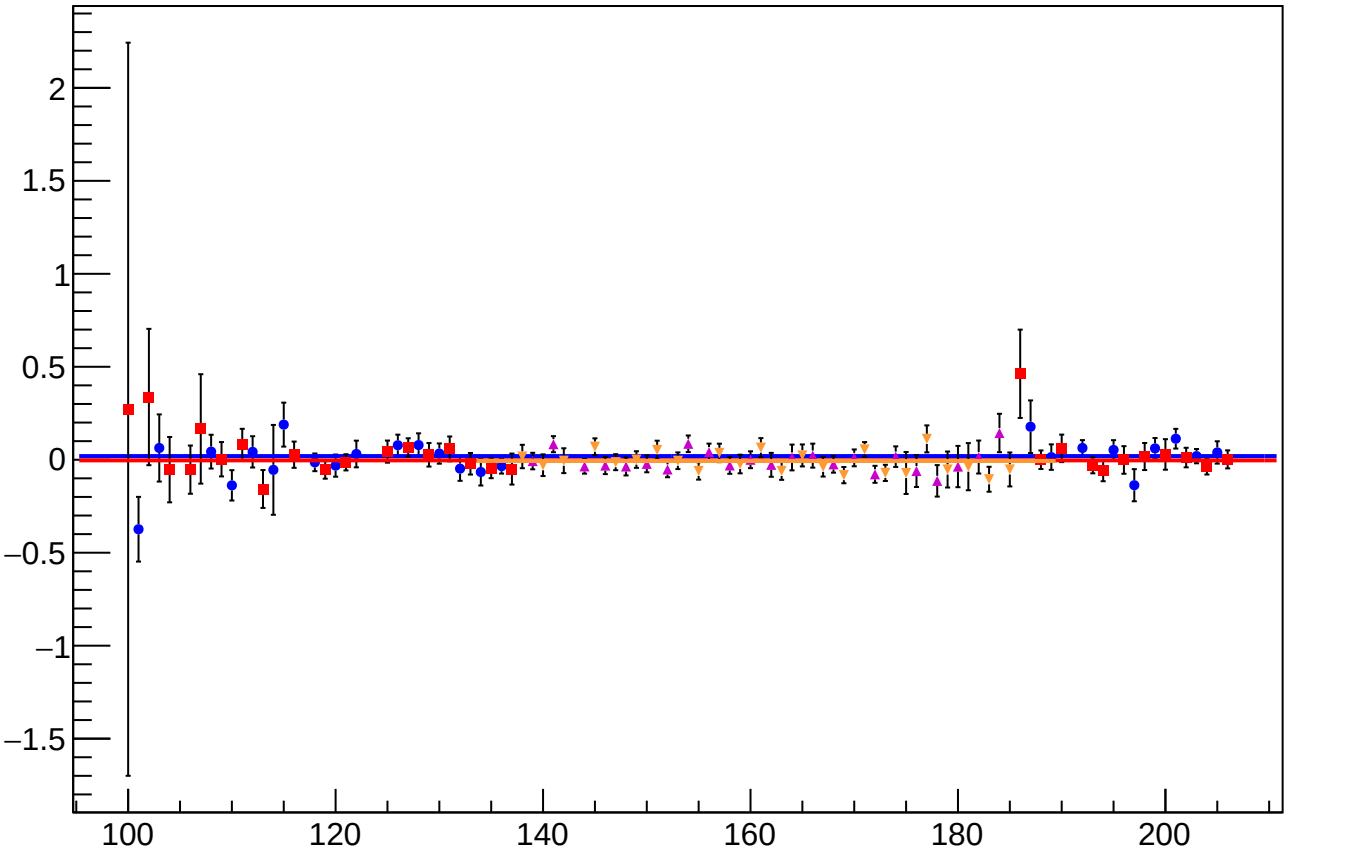
Right Out: 40.843+/-0.008 χ^2/NDF: 3082824.4/28

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

+ sign 41.820+/-0.006 χ^2/NDF: 3819473.0/48

All: 41.483+/-0.004 χ^2/NDF: 8323579.4/100

- sign 41.164+/-0.006 χ^2/NDF: 4497576.8/51



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

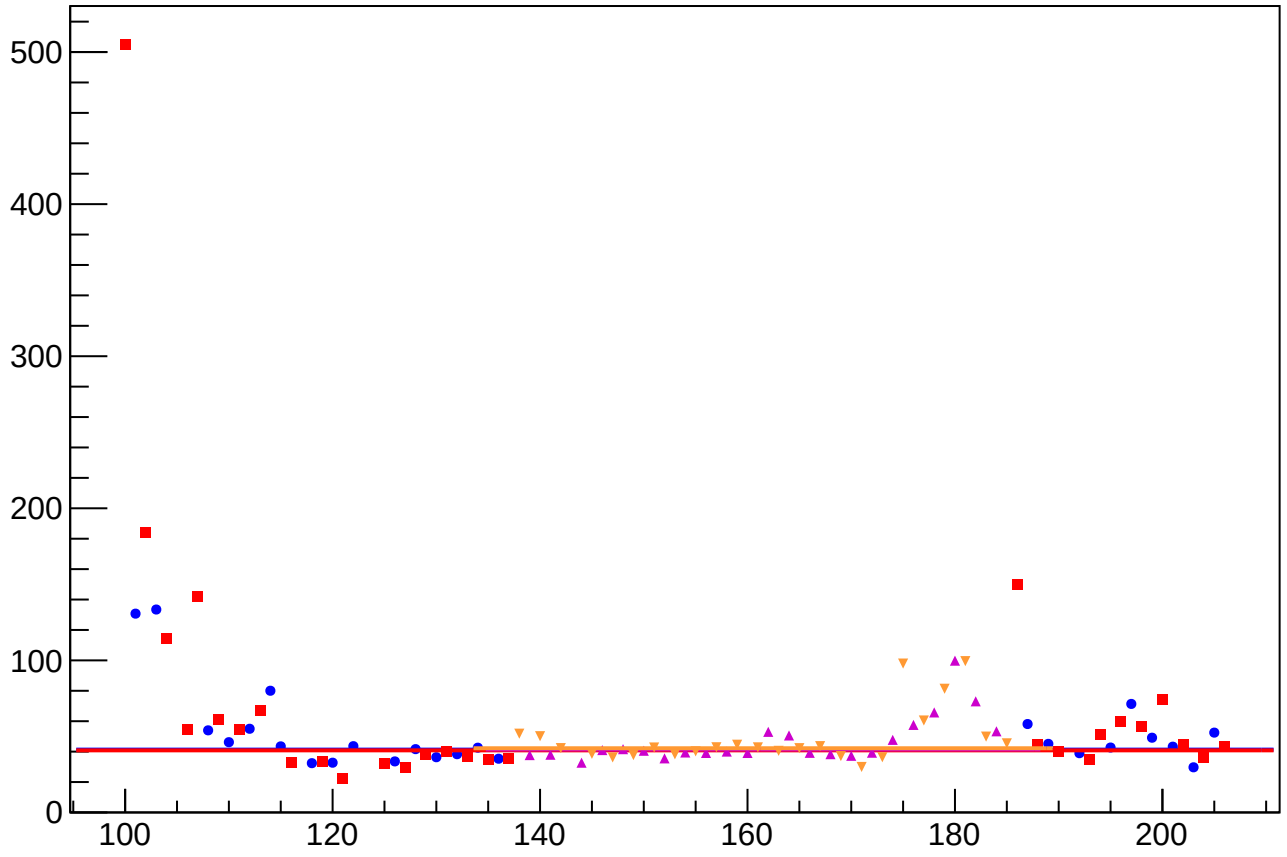
Right Out: -0.003+/-0.012 χ^2/NDF: 17.9/28

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.9/48

All: -0.000+/-0.006 χ^2/NDF: 93.6/100

- sign -0.005+/-0.008 χ^2/NDF: 38.0/51



Right In: 41.310+/-0.009 χ^2/NDF: 1994257.5/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819371.1/23

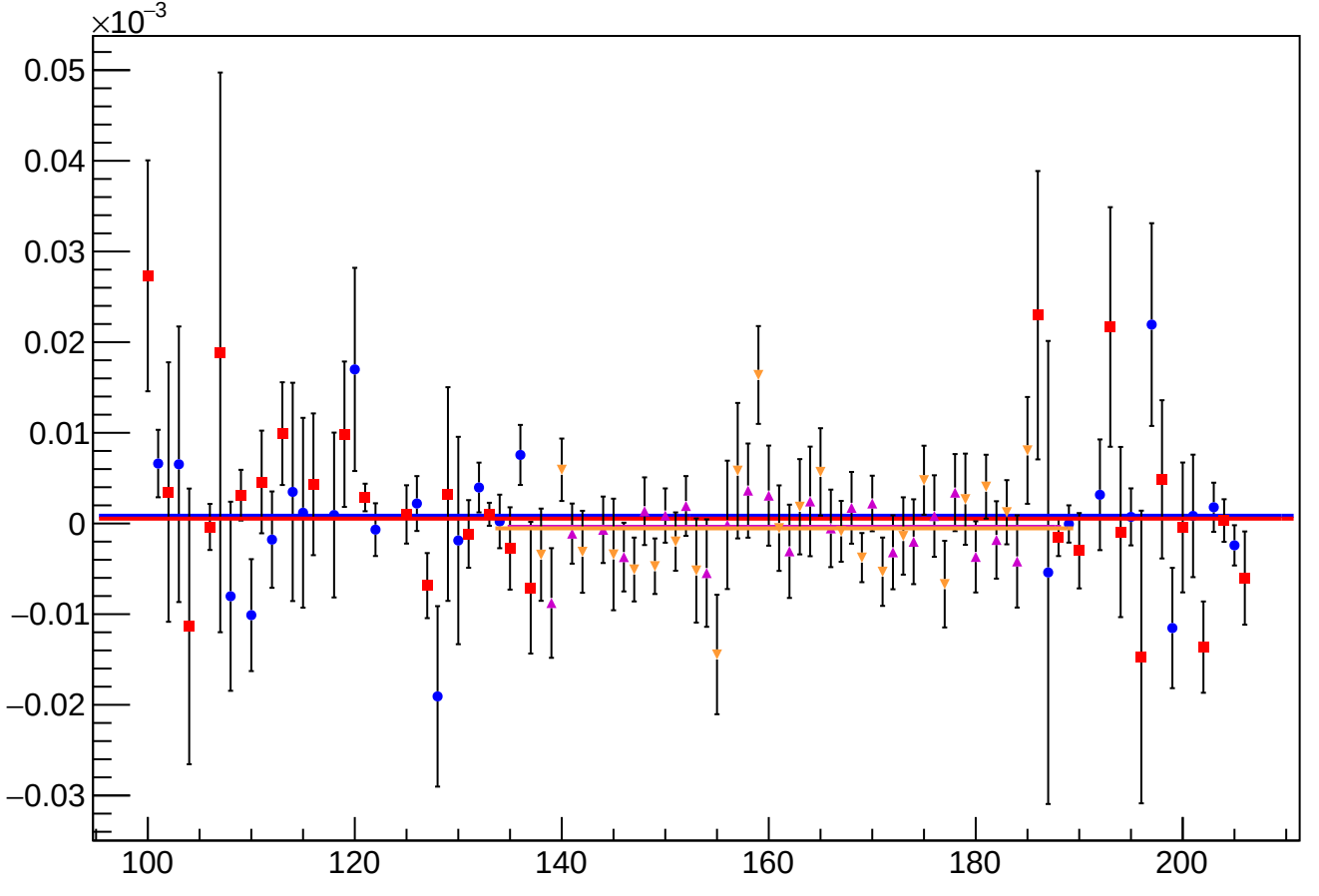
Right Out: 40.843+/-0.008 χ^2/NDF: 3082824.4/28

Left In: 41.421+/-0.008 χ^2/NDF:1412177.5/22

\+ sign 41.820+/-0.006 χ^2/NDF: 3819473.0/48

All: 41.483+/-0.004 χ^2/NDF: 8323579.4/100

\- sign 41.164+/-0.006 χ^2/NDF: 4497576.8/51



Right In: 0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:36.8/23

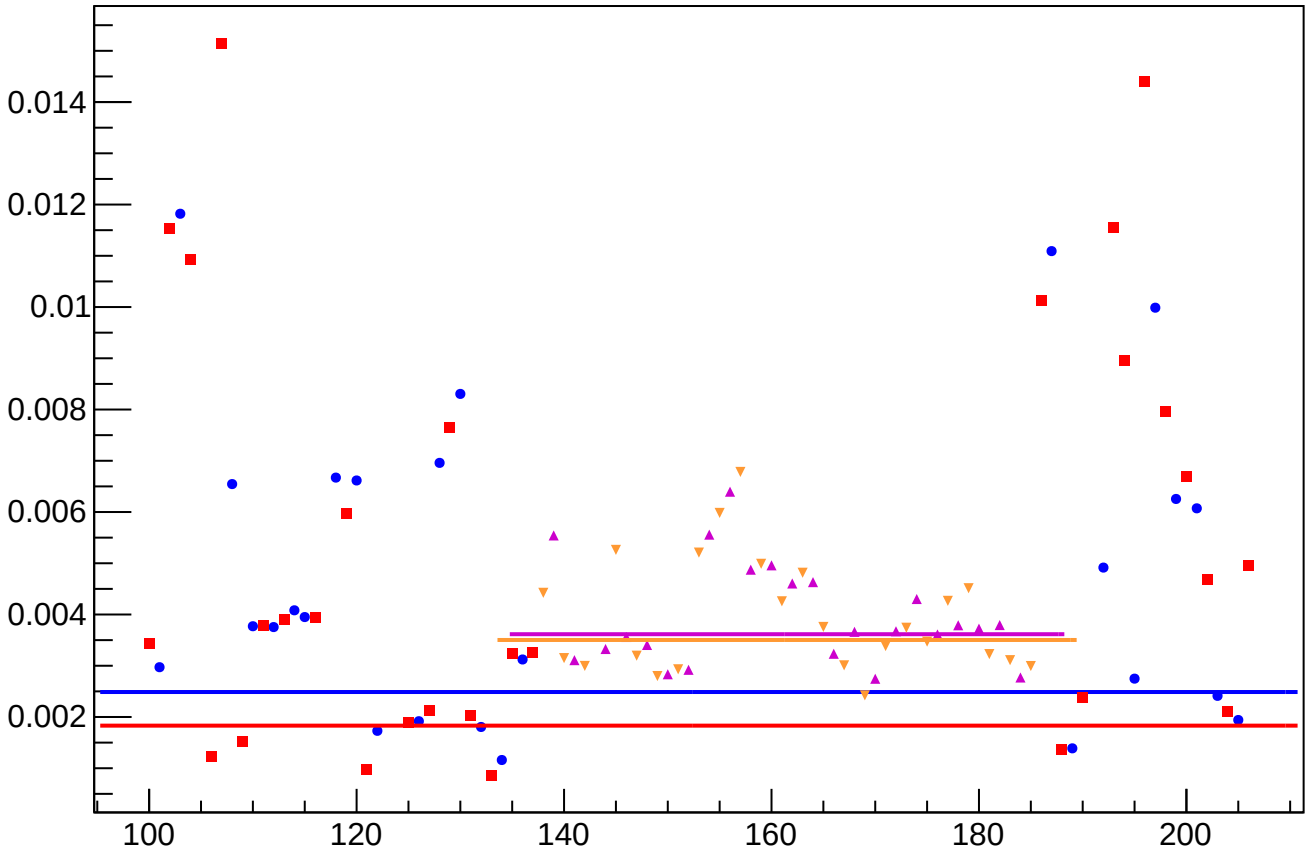
Right Out: 0.000+/-0.000 χ^2/NDF: 36.9/28

Left In: -0.000+/-0.000 χ^2/NDF:9.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.7/48

All: 0.000+/-0.000 χ^2/NDF: 114.0/100

- sign 0.000+/-0.000 χ^2/NDF: 47.2/51



Right In: 0.002+/-0.000 χ^2/NDF: 7149700.0/24

Left Out: 0.004+/-0.000 χ^2/NDF:2190693.7/23

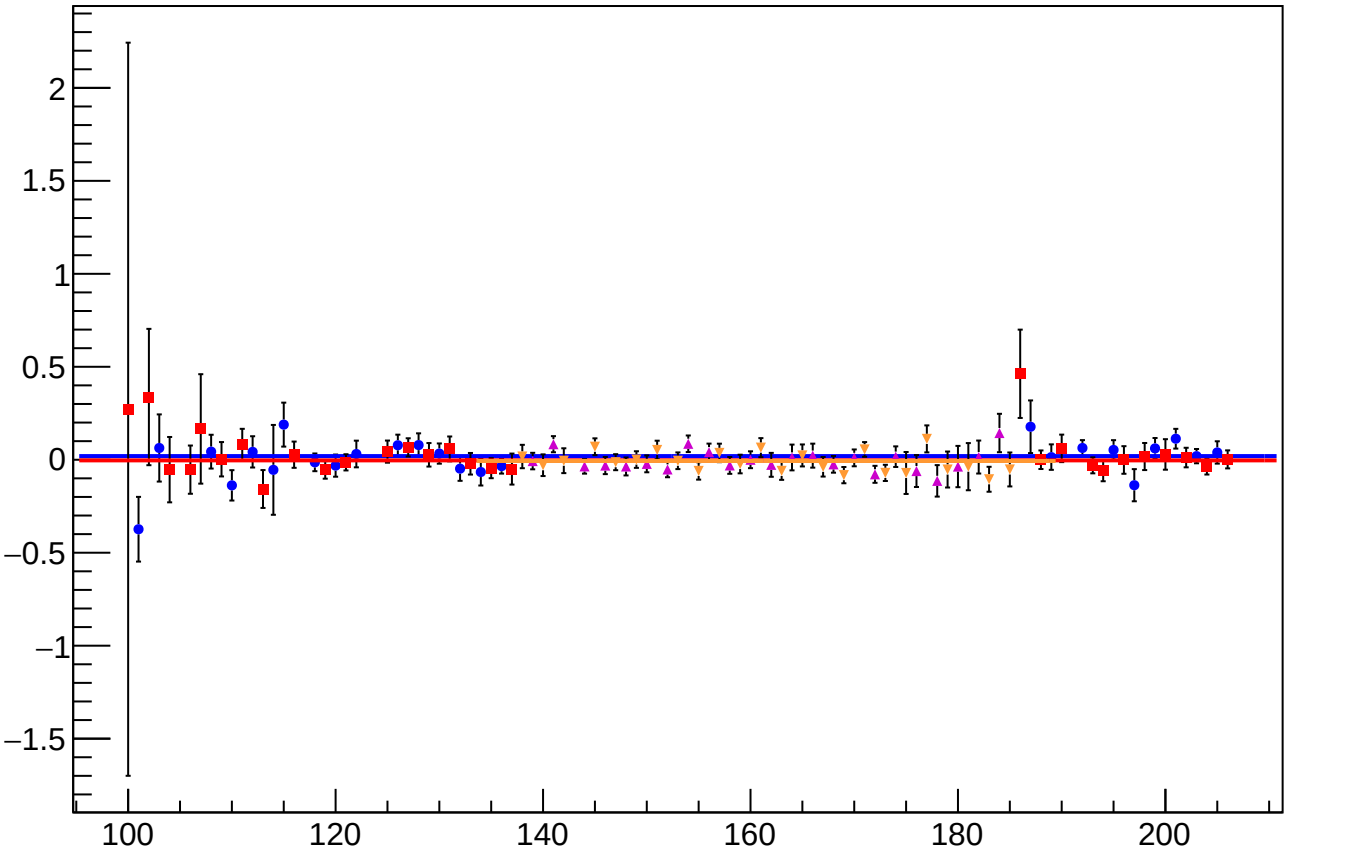
Right Out: 0.002+/-0.000 χ^2/NDF: 13427344.3/28

Left In: 0.004+/-0.000 χ^2/NDF:1668896.2/22

+ sign 0.003+/-0.000 χ^2/NDF: 10848606.9/48

All: 0.003+/-0.000 χ^2/NDF: 32169286.6/100

- sign 0.002+/-0.000 χ^2/NDF: 20483751.0/51



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

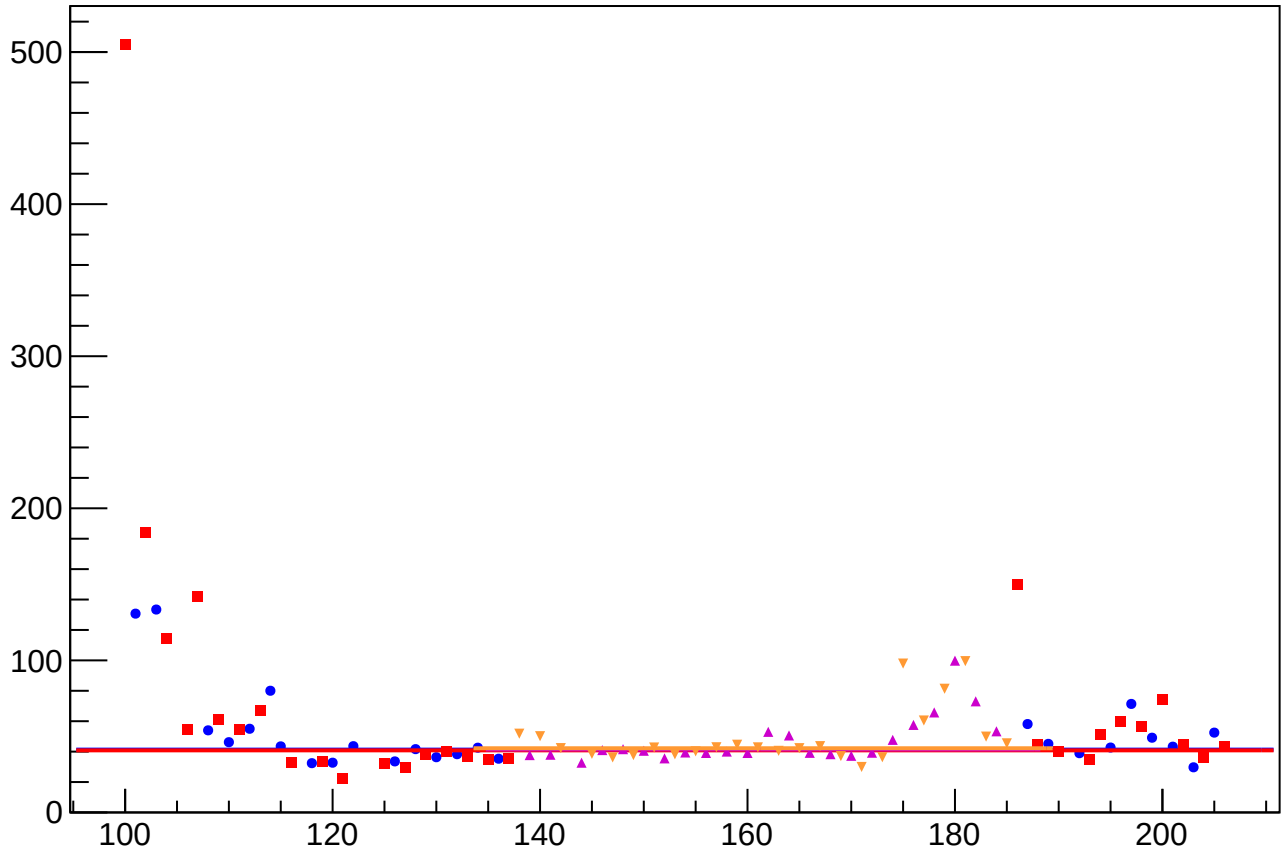
Right Out: -0.003+/-0.012 χ^2/NDF: 17.9/28

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.9/48

All: -0.000+/-0.006 χ^2/NDF: 93.6/100

- sign -0.005+/-0.008 χ^2/NDF: 38.0/51



Right In: 41.310+/-0.009 χ^2/NDF: 1994183.4/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

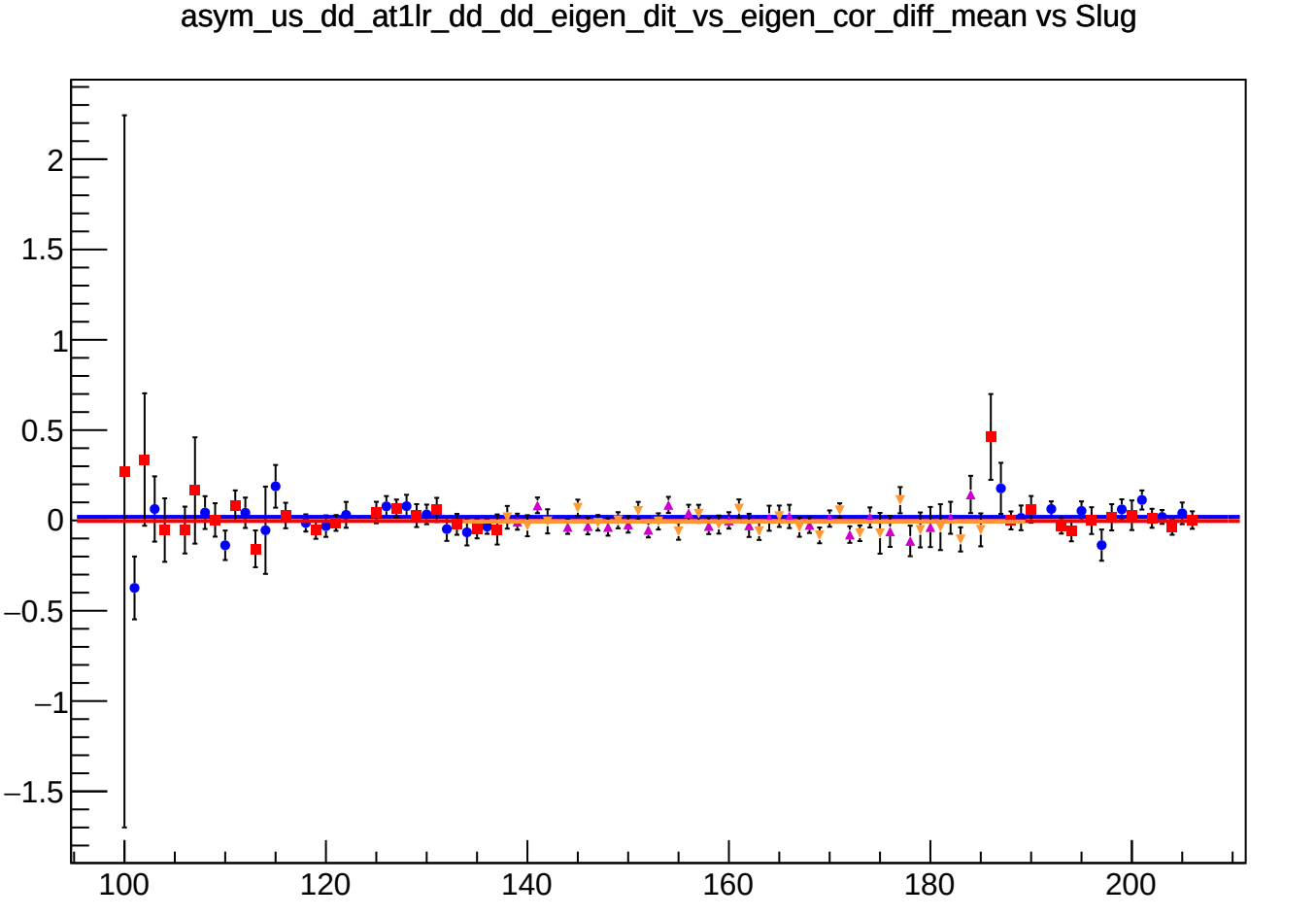
Right Out: 40.842+/-0.008 χ^2/NDF: 3083019.7/28

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

\+ sign 41.820+/-0.006 χ^2/NDF: 3819397.0/48

All: 41.483+/-0.004 χ^2/NDF: 8323646.6/100

\- sign 41.163+/-0.006 χ^2/NDF: 4497711.6/51



Right In: 0.020+/-0.013 χ^2/NDF: 28.5/24

Left Out: -0.007+/-0.011 χ^2/NDF:23.9/23

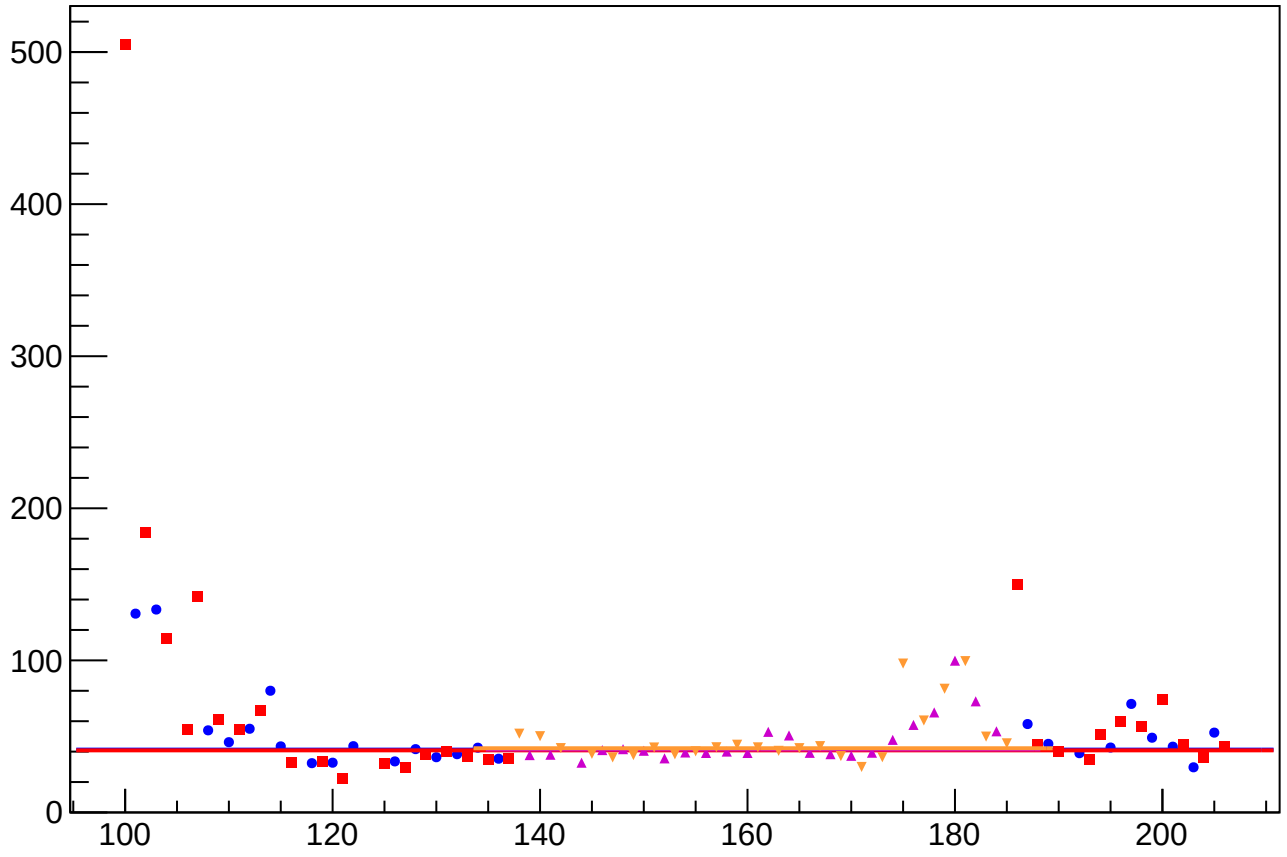
Right Out: -0.003+/-0.012 χ^2/NDF: 17.9/28

Left In: -0.006+/-0.011 χ^2/NDF:20.1/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.9/48

All: -0.000+/-0.006 χ^2/NDF: 93.6/100

- sign -0.005+/-0.008 χ^2/NDF: 38.0/51



Right In: 41.310+/-0.009 χ^2/NDF: 1994183.4/24

Left Out: 42.208+/-0.008 χ^2/NDF:1819378.3/23

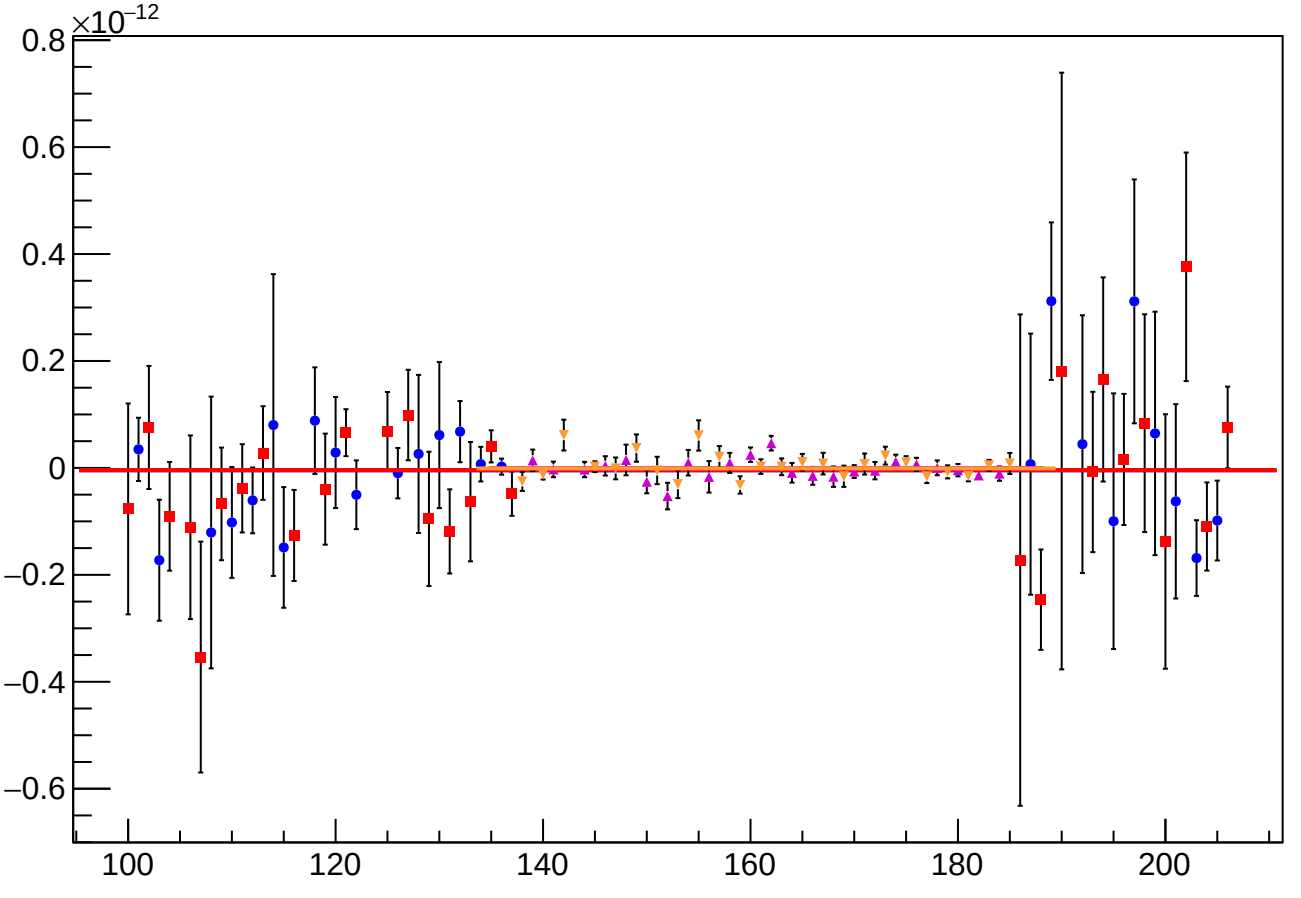
Right Out: 40.842+/-0.008 χ^2/NDF: 3083019.7/28

Left In: 41.421+/-0.008 χ^2/NDF:1412111.4/22

+ sign 41.820+/-0.006 χ^2/NDF: 3819397.0/48

All: 41.483+/-0.004 χ^2/NDF: 8323646.6/100

- sign 41.163+/-0.006 χ^2/NDF: 4497711.6/51



Right In: -0.000+/-0.000 χ^2/NDF: 23.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:29.5/23

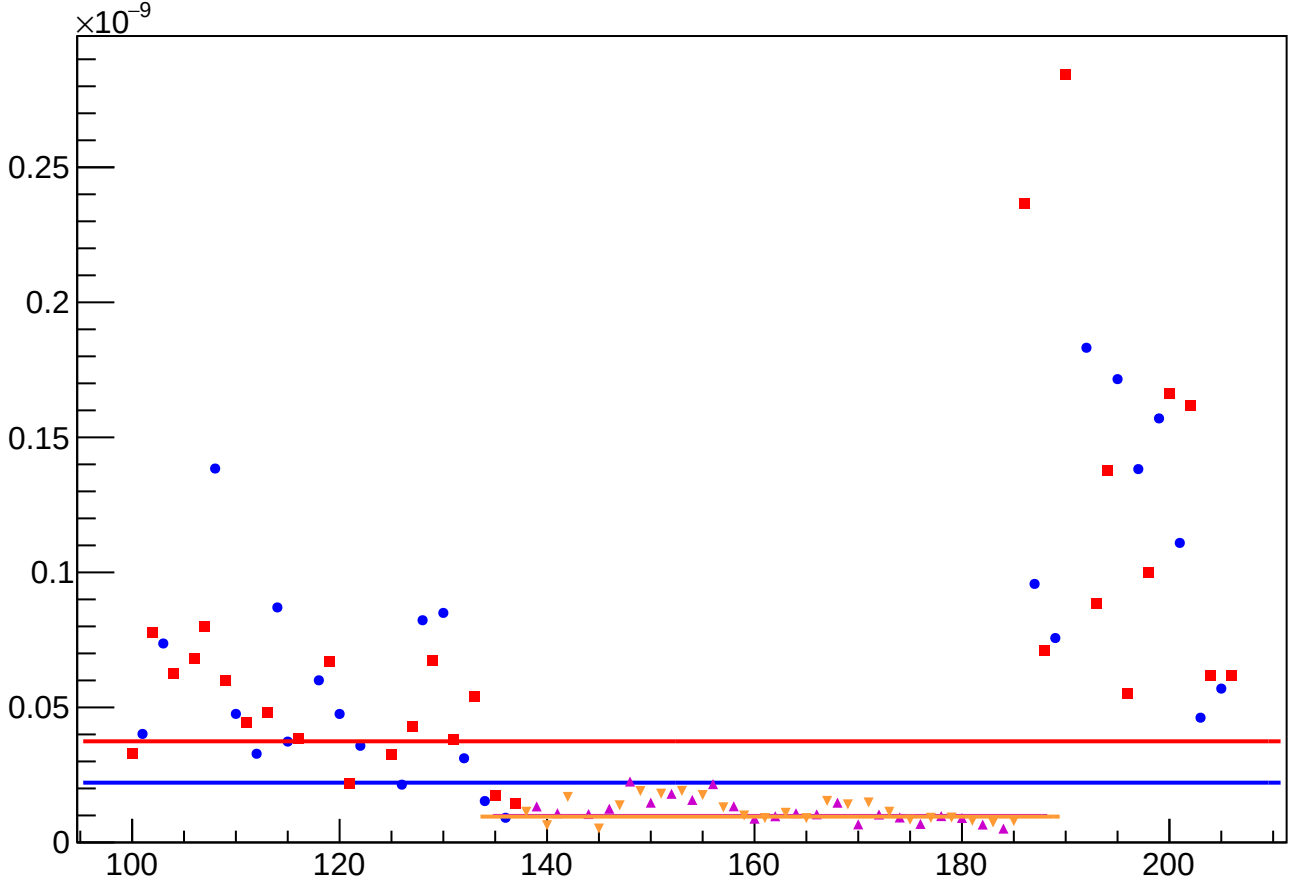
Right Out: -0.000+/-0.000 χ^2/NDF: 32.5/28

Left In: -0.000+/-0.000 χ^2/NDF:28.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.5/48

All: -0.000+/-0.000 χ^2/NDF: 114.4/100

- sign -0.000+/-0.000 χ^2/NDF: 60.9/51



Right In: 0.000+/-0.000 χ^2/NDF: 8711216.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:2445128.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 6433315.2/28

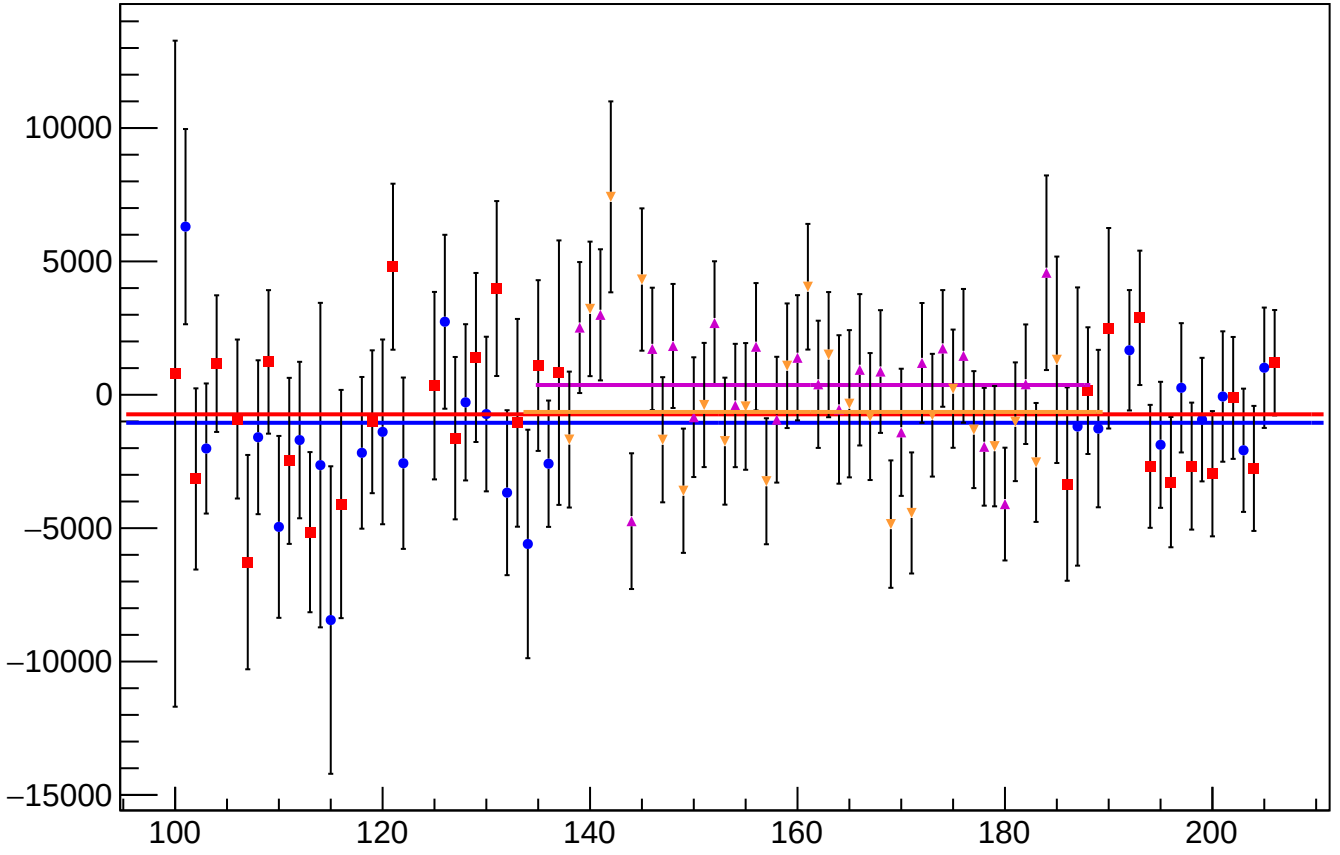
Left In: 0.000+/-0.000 χ^2/NDF:2250638.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 13513657.7/48

All: 0.000+/-0.000 χ^2/NDF: 28563492.7/100

- sign 0.000+/-0.000 χ^2/NDF: 15020497.5/51

reg_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1049.894+/-574.610 χ^2/NDF: 14.5/24

Left Out: -643.811+/-493.681 χ^2/NDF:27.1/23

Right Out: -732.295+/-535.960 χ^2/NDF: 21.5/28

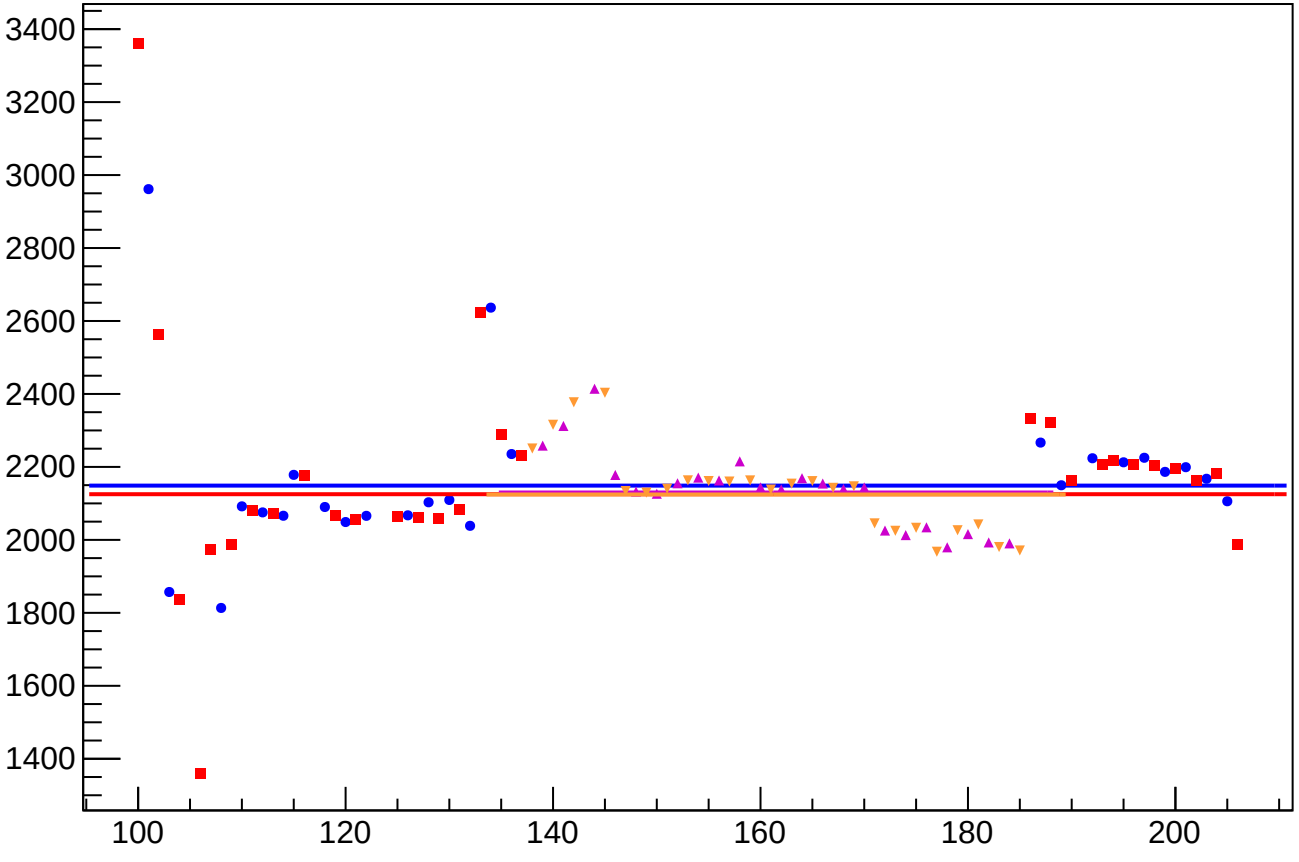
Left In: 366.759+/-497.896 χ^2/NDF:17.3/22

+ sign -816.265+/-374.457 χ^2/NDF: 41.9/48

All: -470.492+/-261.293 χ^2/NDF: 84.6/100

- sign -142.358+/-364.781 χ^2/NDF: 41.1/51

reg_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2148.759+/-0.406 χ^2/NDF: 202521.2/24

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

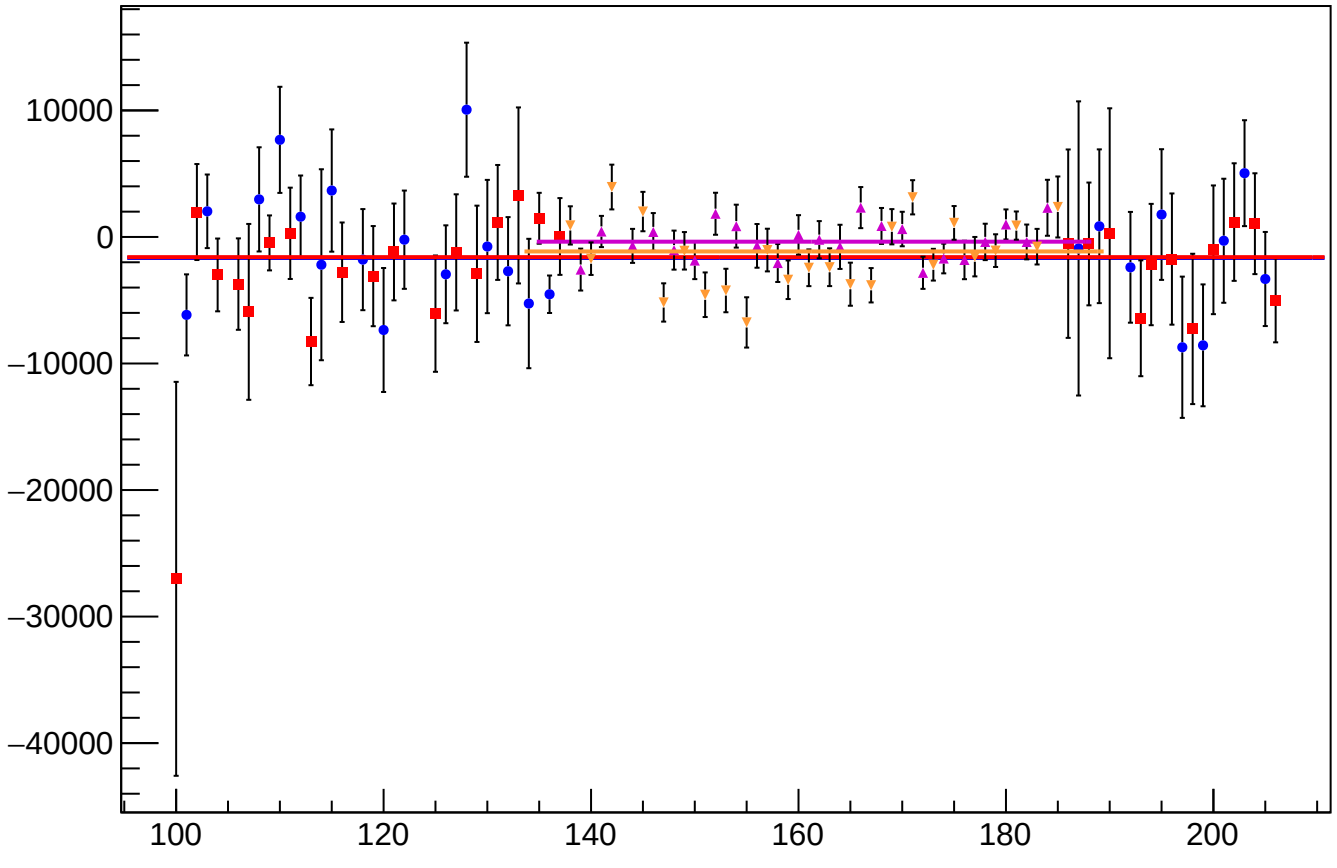
Right Out: 2125.214+/-0.379 χ^2/NDF: 306184.3/28

Left In: 2129.897+/-0.352 χ^2/NDF:85354.5/22

+ sign 2134.766+/-0.265 χ^2/NDF: 293766.8/48

All: 2131.155+/-0.185 χ^2/NDF: 685750.0/100

- sign 2127.728+/-0.258 χ^2/NDF: 391620.7/51



Right In: -1661.107+/-763.615 χ^2/NDF: 30.0/24

Left Out: -1144.817+/-302.488 χ^2/NDF:67.5/23

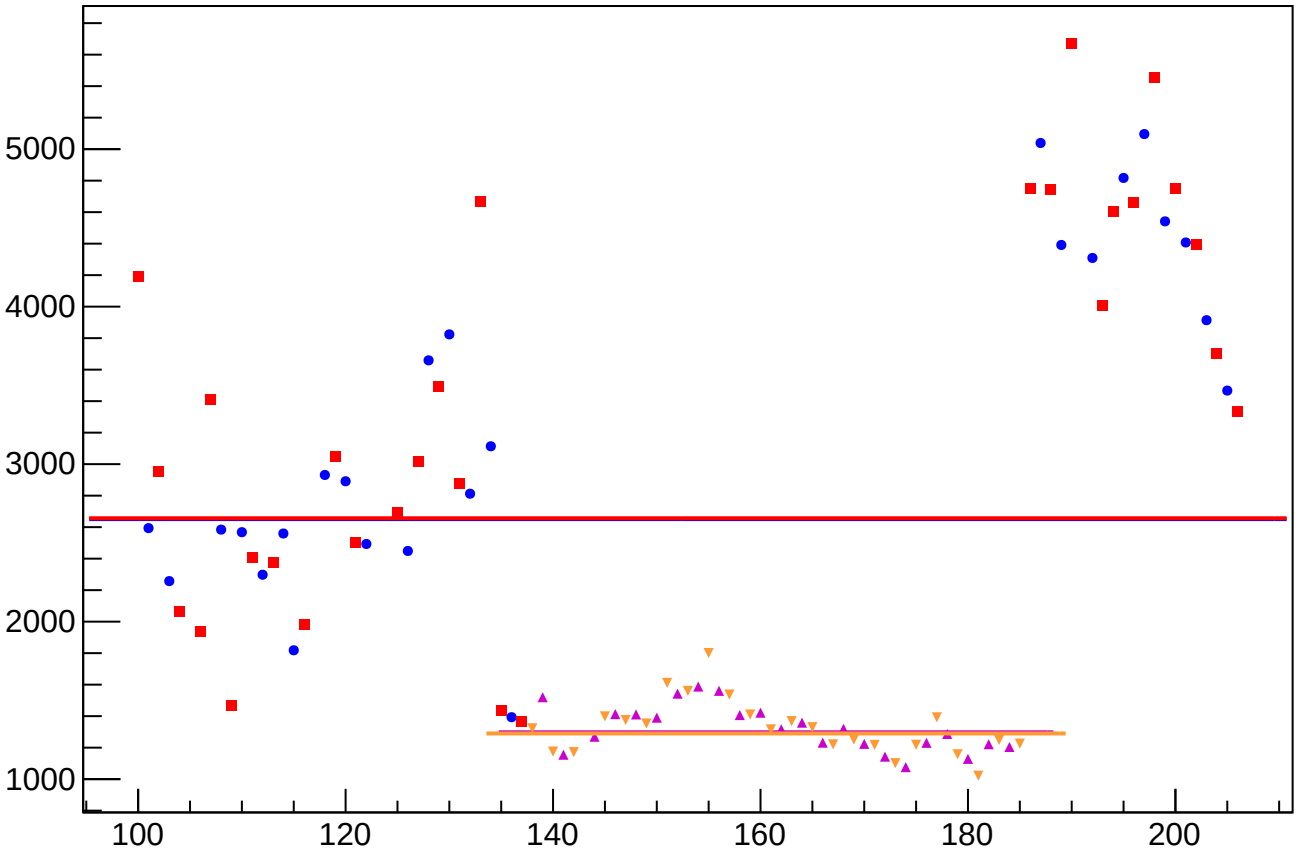
Right Out: -1595.356+/-728.970 χ^2/NDF: 17.5/28

Left In: -373.302+/-305.378 χ^2/NDF:20.3/22

+ sign -1214.843+/-281.227 χ^2/NDF: 97.9/48

All: -885.803+/-199.011 χ^2/NDF: 140.9/100

- sign -555.745+/-281.662 χ^2/NDF: 40.2/51



Right In: 2651.118+/-0.540 χ^2/NDF: 3893445.8/24

Left Out: 1290.029+/-0.214 χ^2/NDF:567950.9/23

Right Out: 2656.375+/-0.515 χ^2/NDF: 5051811.2/28

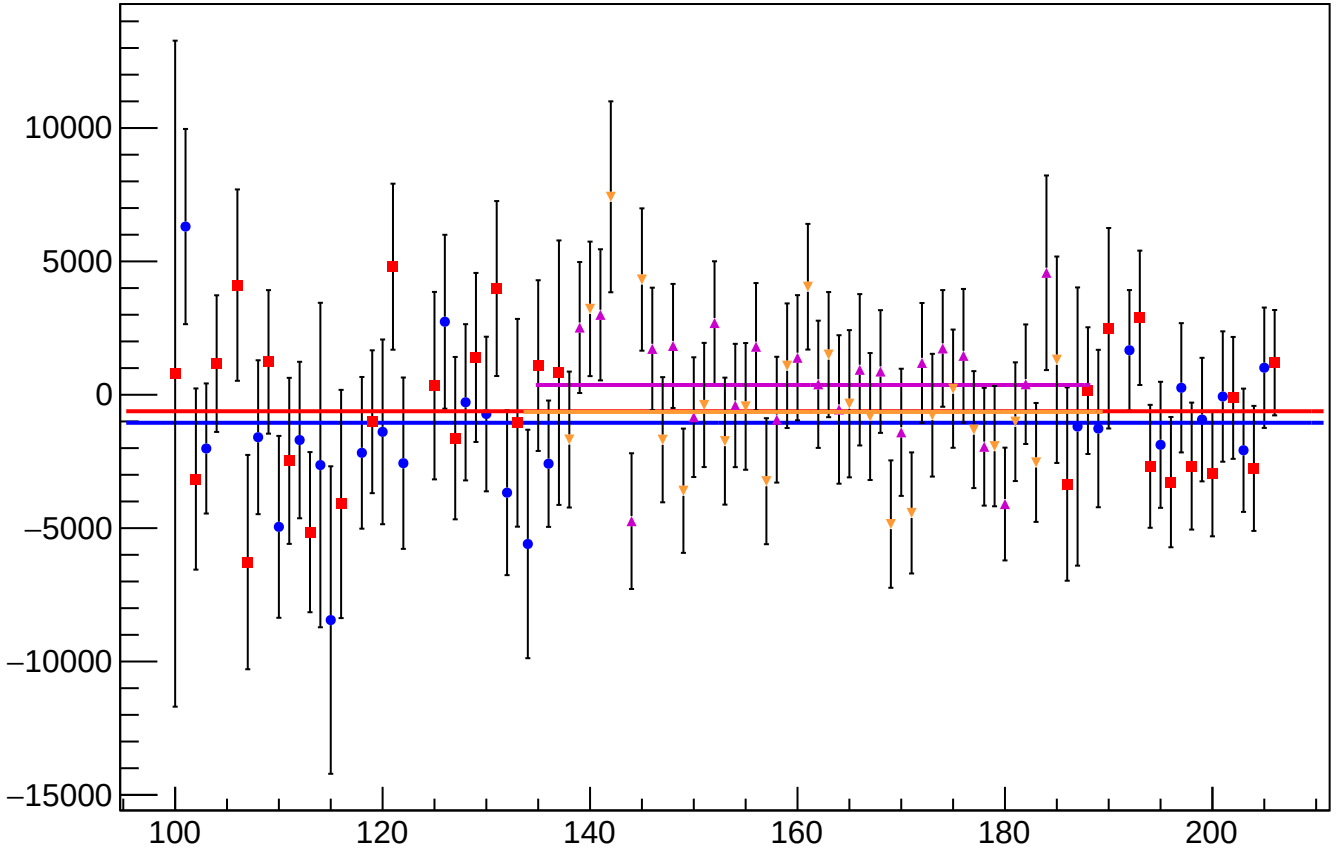
Left In: 1297.454+/-0.216 χ^2/NDF:433995.4/22

+ sign 1474.638+/-0.199 χ^2/NDF: 9953662.8/48

All: 1487.464+/-0.141 χ^2/NDF: 21360416.4/1

- sign 1500.330+/-0.199 χ^2/NDF: 11398420.1/51

cor_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -1049.934+/-574.610 χ^2/NDF: 14.5/24

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -617.490+/-538.667 χ^2/NDF: 23.3/28

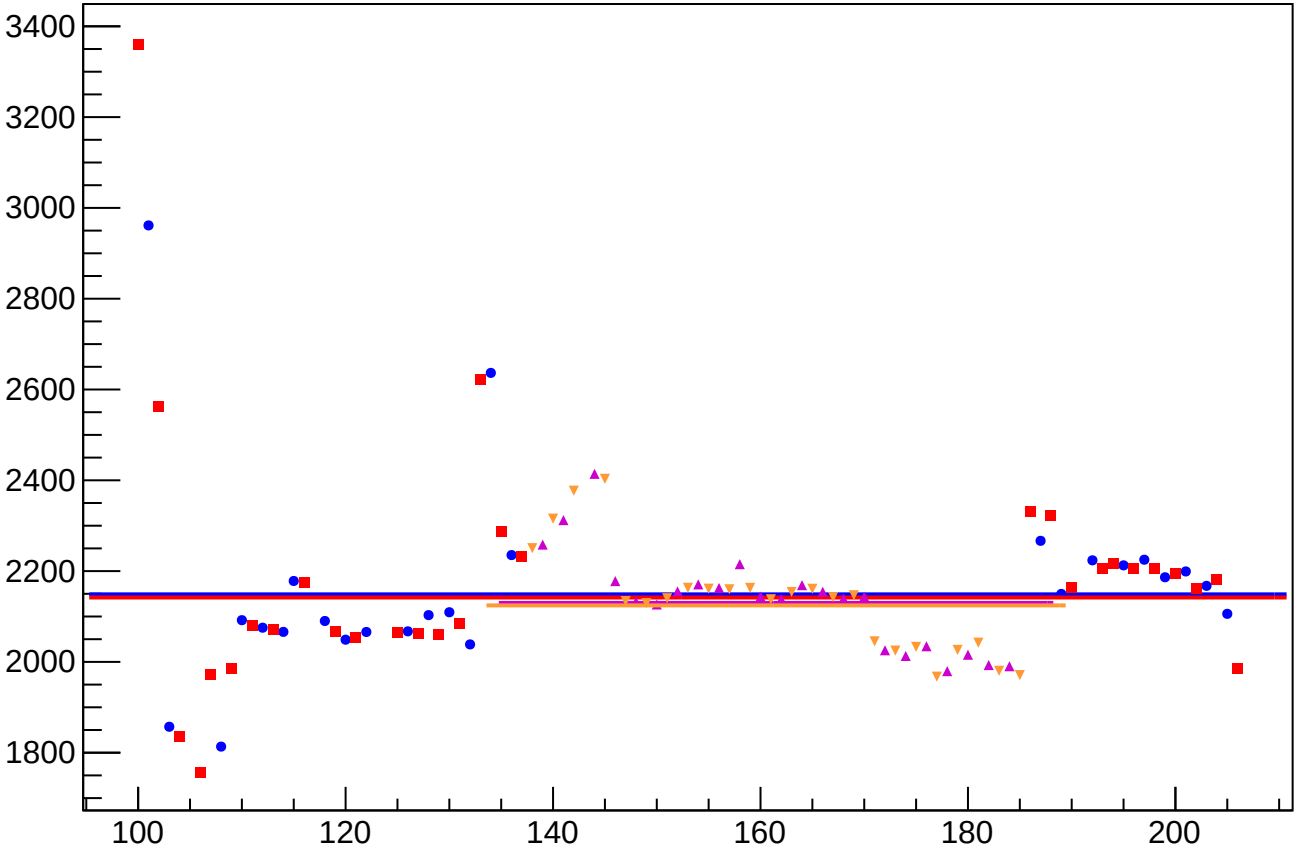
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -816.203+/-374.457 χ^2/NDF: 41.9/48

All: -442.789+/-261.605 χ^2/NDF: 86.2/100

- sign -86.771+/-365.631 χ^2/NDF: 42.4/51

cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2148.759+/-0.406 χ^2/NDF: 202521.5/24

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

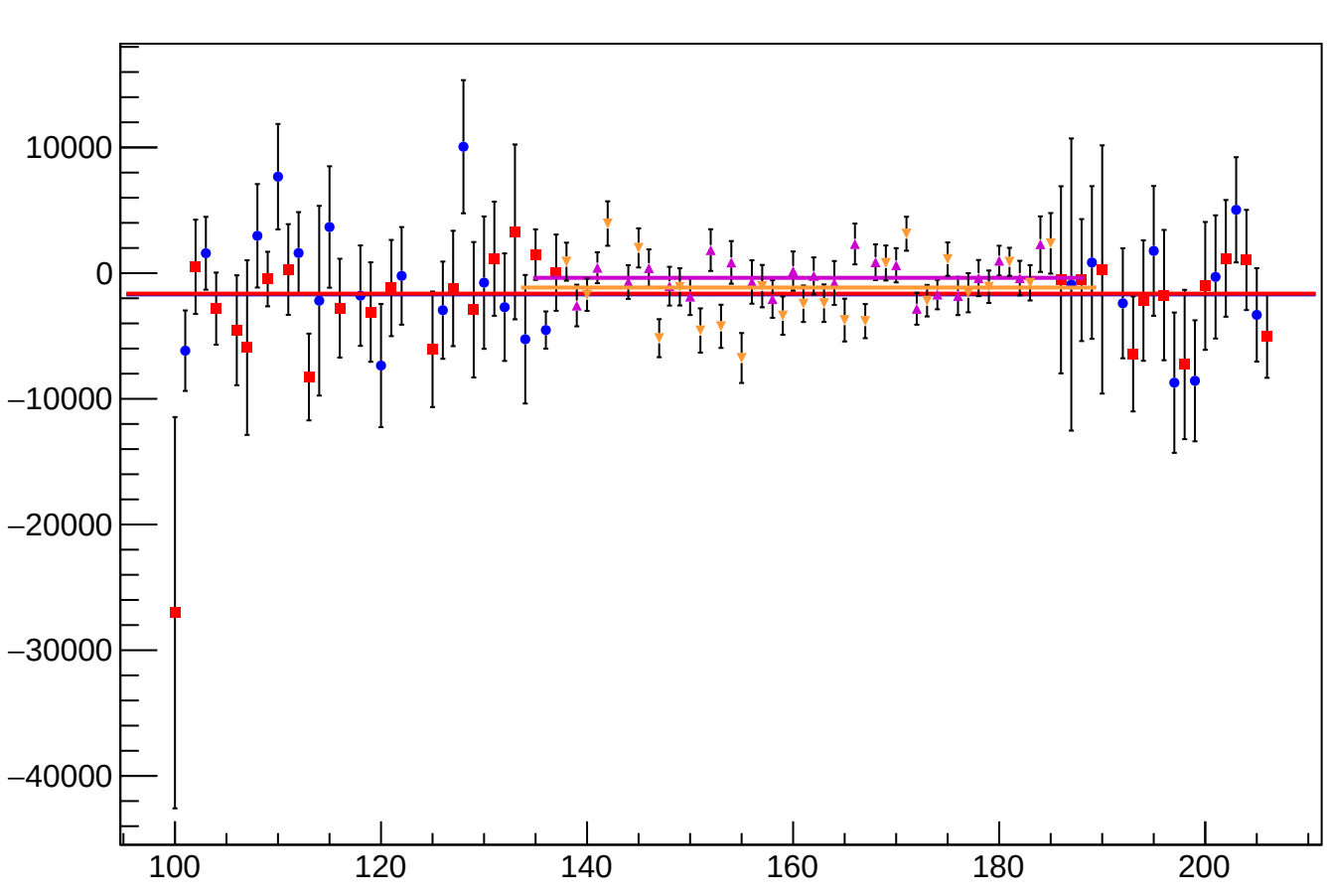
Right Out: 2141.866+/-0.381 χ^2/NDF: 193872.9/28

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2134.766+/-0.265 χ^2/NDF: 293767.1/48

All: 2135.097+/-0.185 χ^2/NDF: 573530.0/100

- sign 2135.412+/-0.259 χ^2/NDF: 279759.9/51



Right In: -1690.941+/-763.413 χ^2/NDF: 29.6/24

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

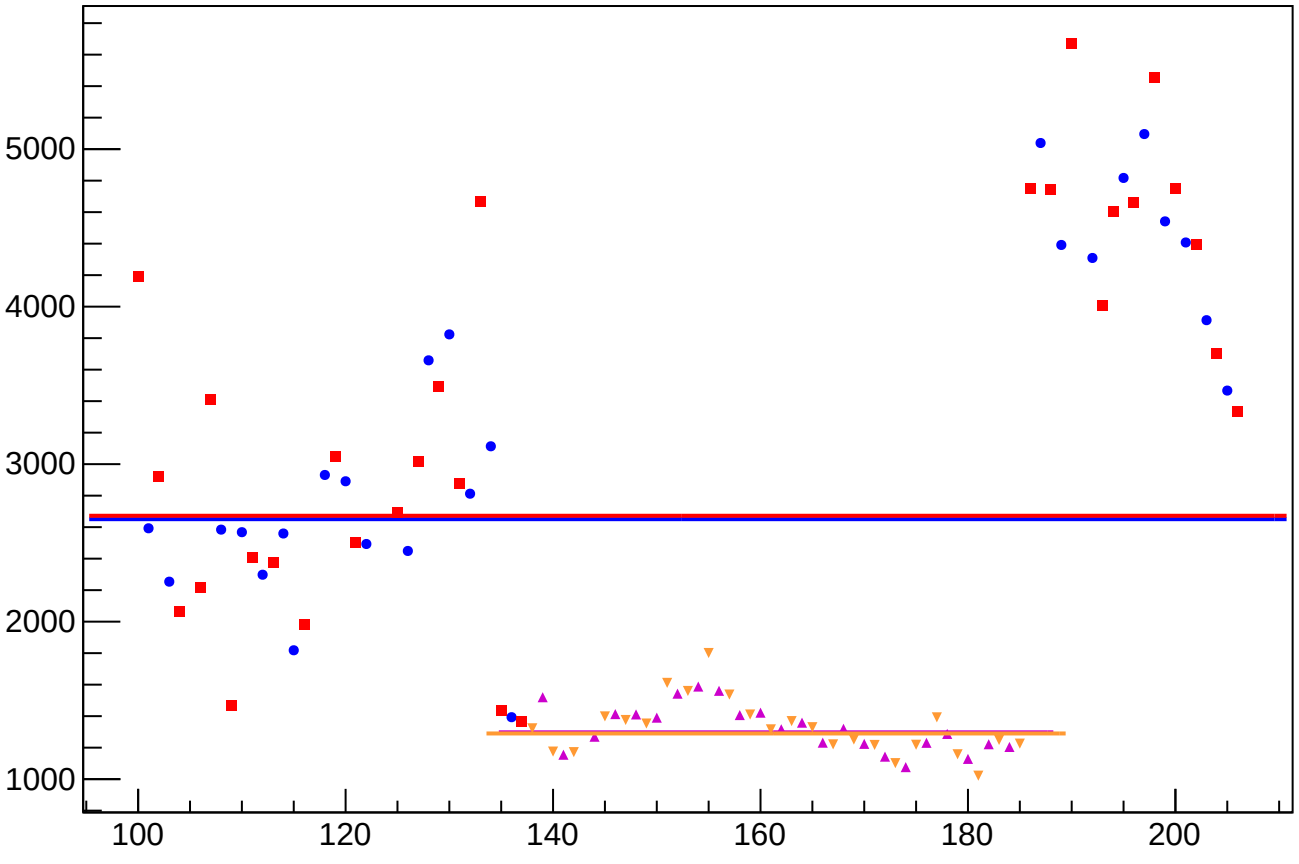
Right Out: -1632.699+/-733.297 χ^2/NDF: 17.0/28

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1218.892+/-281.219 χ^2/NDF: 97.6/48

All: -889.924+/-199.096 χ^2/NDF: 140.2/100

- sign -559.337+/-281.910 χ^2/NDF: 39.8/51



Right In: 2650.619+/-0.540 χ^2/NDF: 3894360.2/24

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

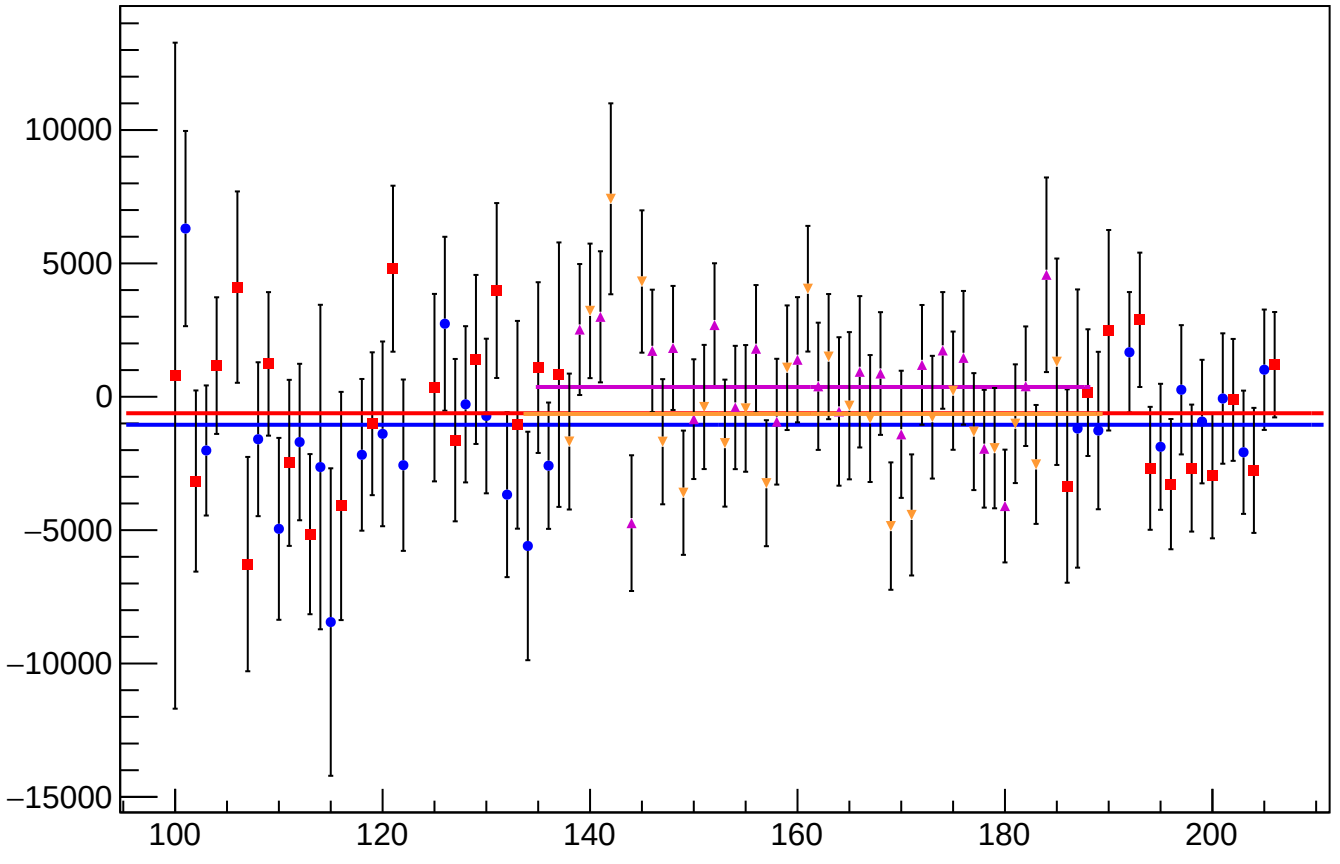
Right Out: 2672.295+/-0.519 χ^2/NDF: 4991370.6/28

Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1474.667+/-0.199 χ^2/NDF: 9952898.8/48

All: 1487.628+/-0.141 χ^2/NDF: 21378031.3/1

- sign 1500.652+/-0.199 χ^2/NDF: 11416615.1/51



Right In: -1049.934+/-574.610 χ^2/NDF: 14.5/24

Left Out: -643.673+/-493.681 χ^2/NDF:27.1/23

Right Out: -617.490+/-538.667 χ^2/NDF: 23.3/28

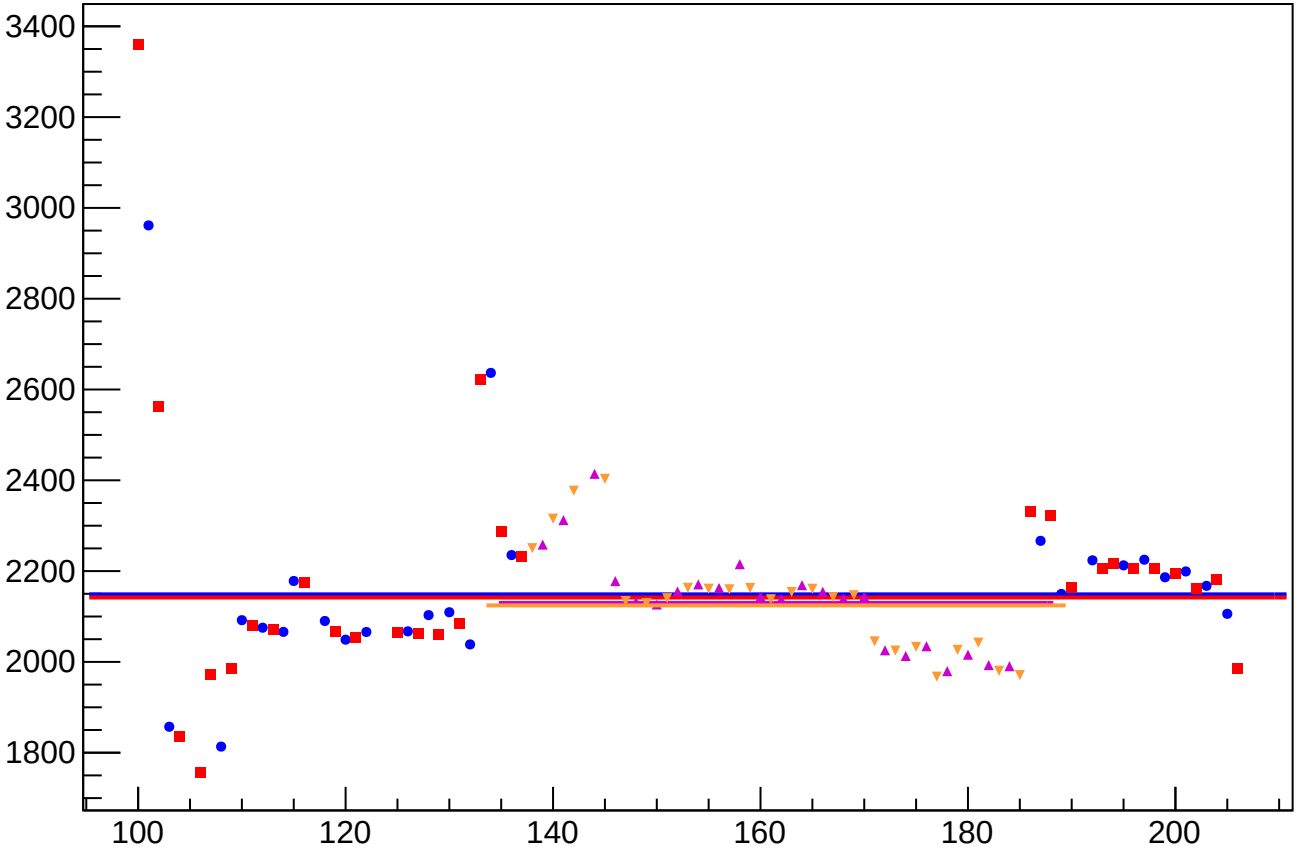
Left In: 366.649+/-497.896 χ^2/NDF:17.3/22

+ sign -816.203+/-374.457 χ^2/NDF: 41.9/48

All: -442.789+/-261.605 χ^2/NDF: 86.2/100

- sign -86.771+/-365.631 χ^2/NDF: 42.4/51

eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2148.759+/-0.406 χ^2/NDF: 202521.5/24

Left Out: 2124.437+/-0.349 χ^2/NDF:89184.0/23

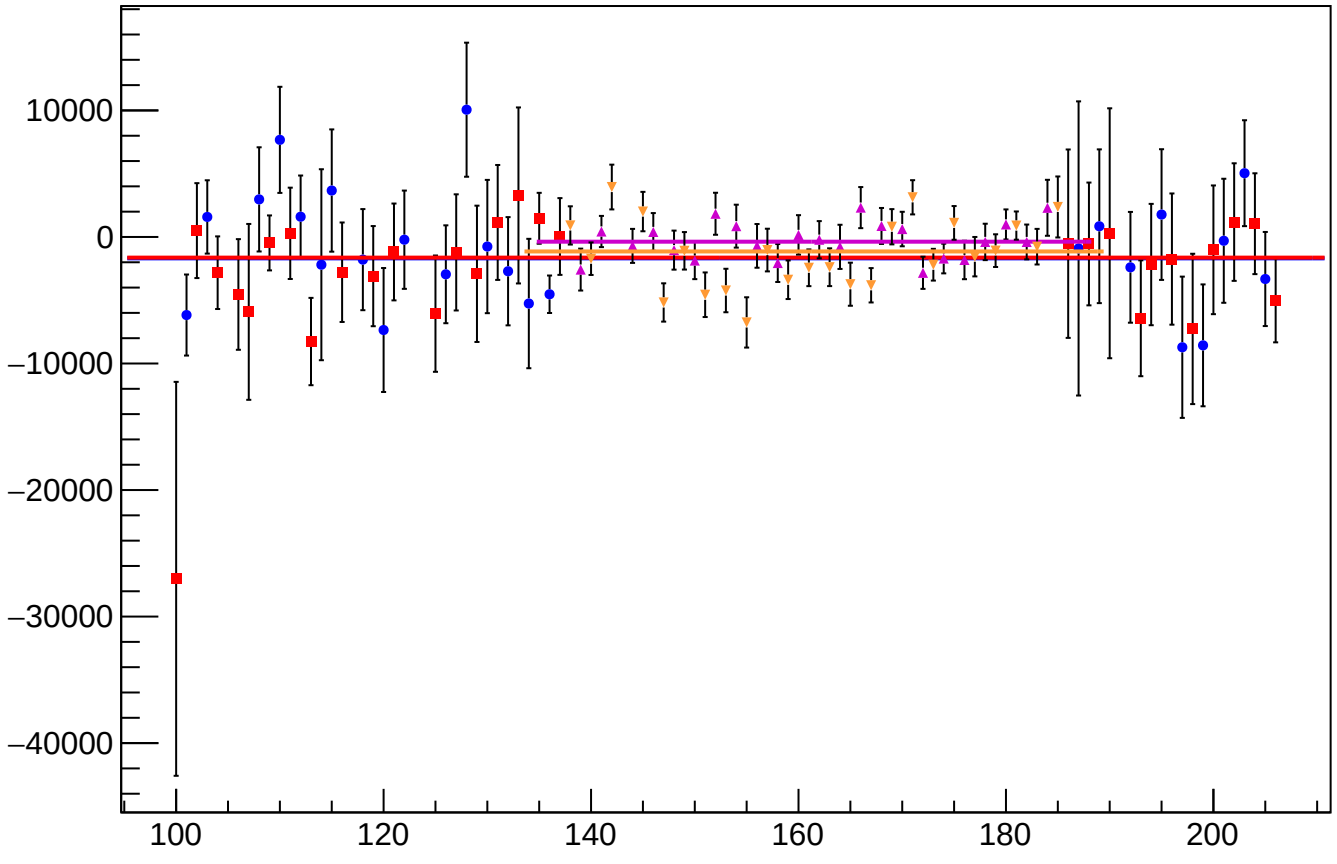
Right Out: 2141.866+/-0.381 χ^2/NDF: 193872.9/28

Left In: 2129.897+/-0.352 χ^2/NDF:85354.4/22

+ sign 2134.766+/-0.265 χ^2/NDF: 293767.1/48

All: 2135.097+/-0.185 χ^2/NDF: 573530.0/100

- sign 2135.412+/-0.259 χ^2/NDF: 279759.9/51



Right In: -1690.941+/-763.413 χ^2/NDF: 29.6/24

Left Out: -1144.779+/-302.490 χ^2/NDF:67.5/23

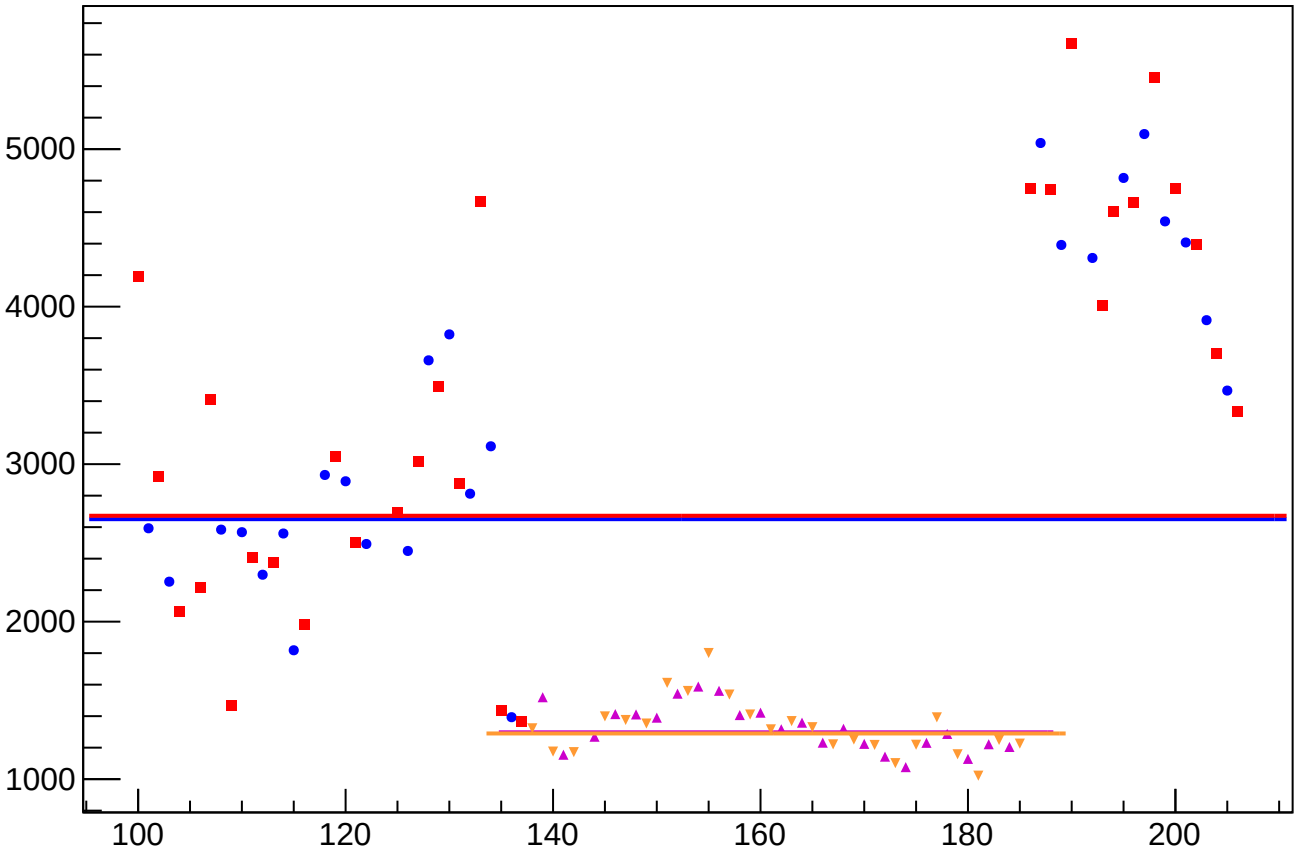
Right Out: -1632.699+/-733.297 χ^2/NDF: 17.0/28

Left In: -373.186+/-305.379 χ^2/NDF:20.3/22

+ sign -1218.892+/-281.219 χ^2/NDF: 97.6/48

All: -889.924+/-199.096 χ^2/NDF: 140.2/100

- sign -559.337+/-281.910 χ^2/NDF: 39.8/51



Right In: 2650.619+/-0.540 χ^2/NDF: 3894360.2/24

Left Out: 1290.041+/-0.214 χ^2/NDF:567883.5/23

Right Out: 2672.295+/-0.519 χ^2/NDF: 4991370.6/28

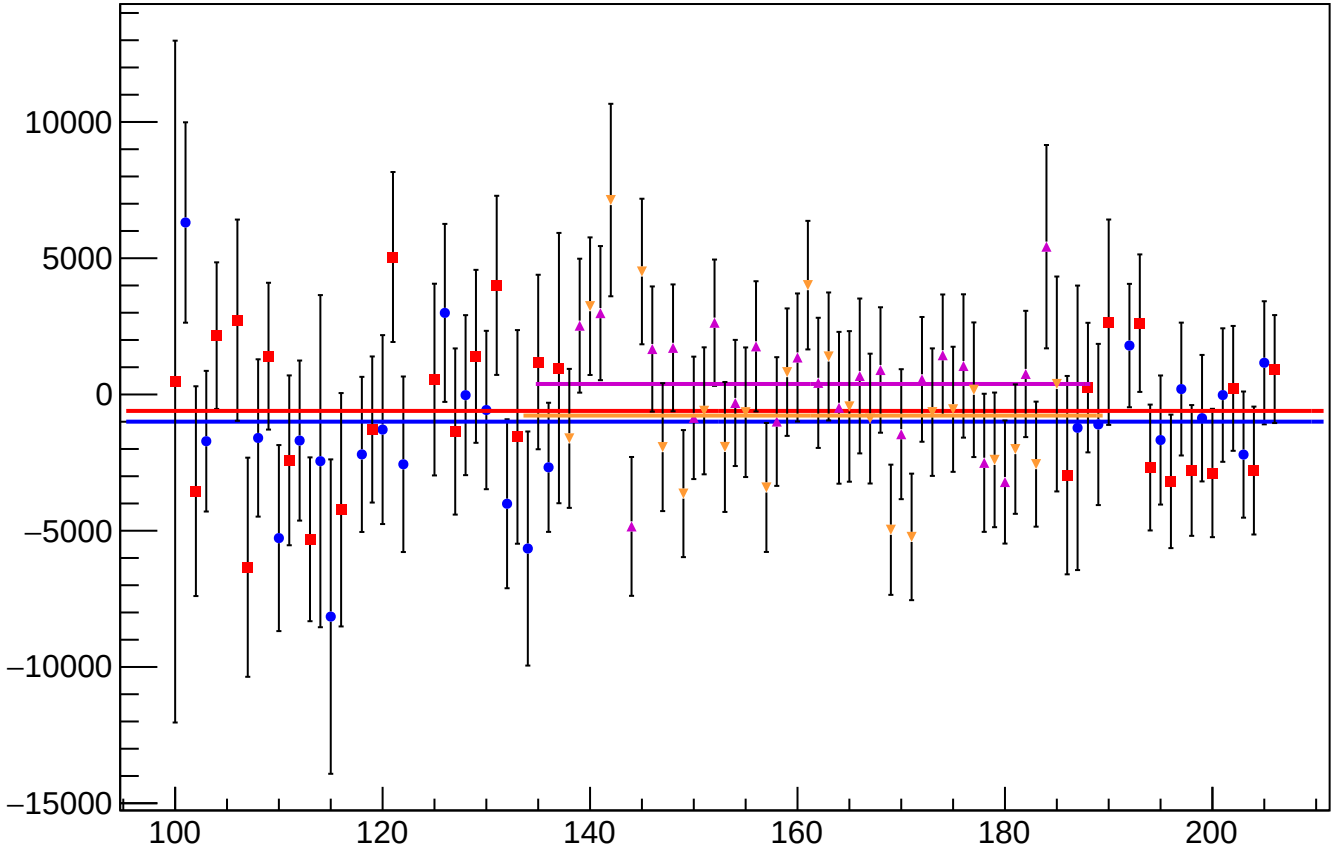
Left In: 1297.458+/-0.216 χ^2/NDF:434006.2/22

+ sign 1474.667+/-0.199 χ^2/NDF: 9952898.8/48

All: 1487.628+/-0.141 χ^2/NDF: 21378031.3/1

- sign 1500.652+/-0.199 χ^2/NDF: 11416615.1/51

dit_asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -997.285+/-577.549 χ^2/NDF: 15.1/24

Left Out: -773.579+/-502.816 χ^2/NDF:28.6/23

Right Out: -603.342+/-542.830 χ^2/NDF: 23.1/28

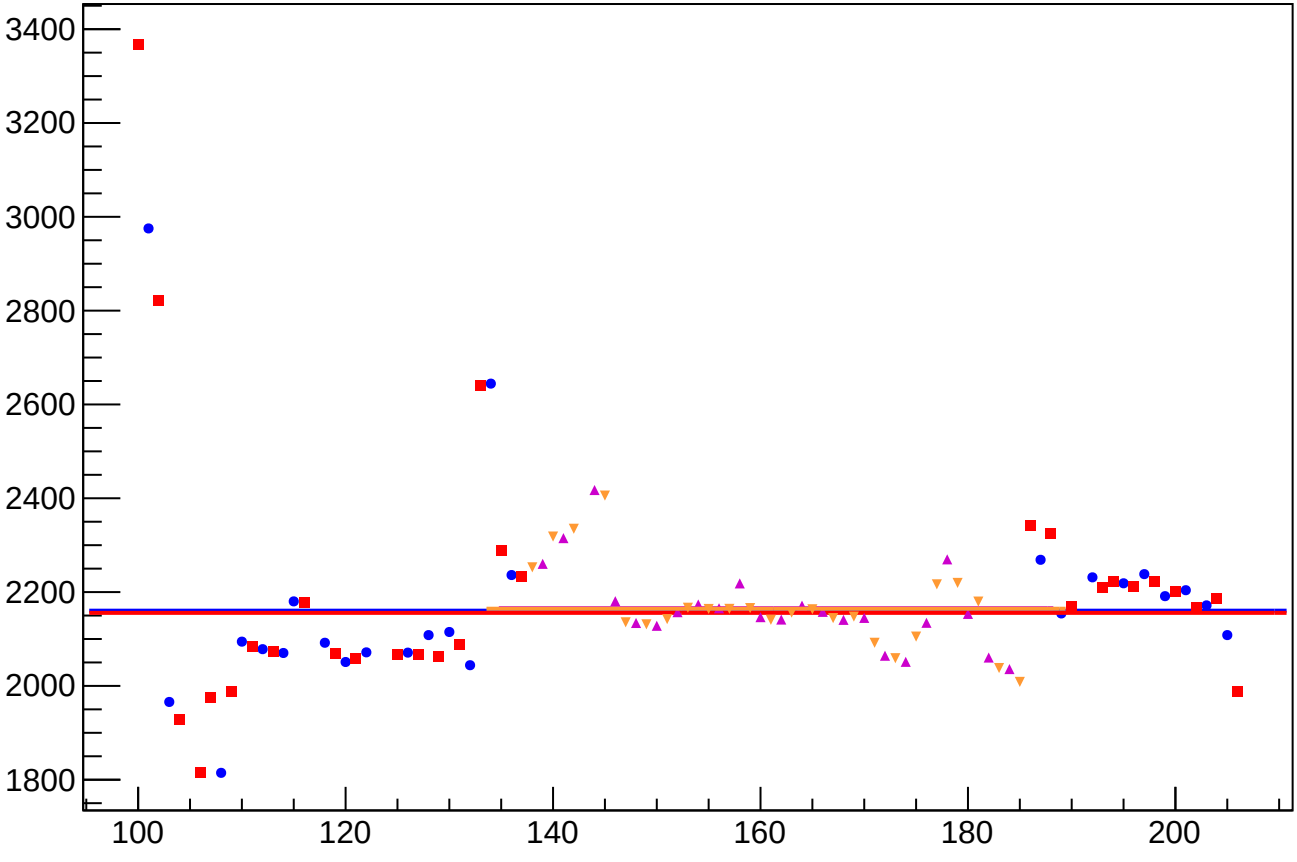
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -870.031+/-379.233 χ^2/NDF: 43.8/48

All: -462.584+/-264.889 χ^2/NDF: 86.6/100

- sign -74.415+/-370.152 χ^2/NDF: 40.5/51

dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2160.360+/-0.408 χ^2/NDF: 186799.0/24

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

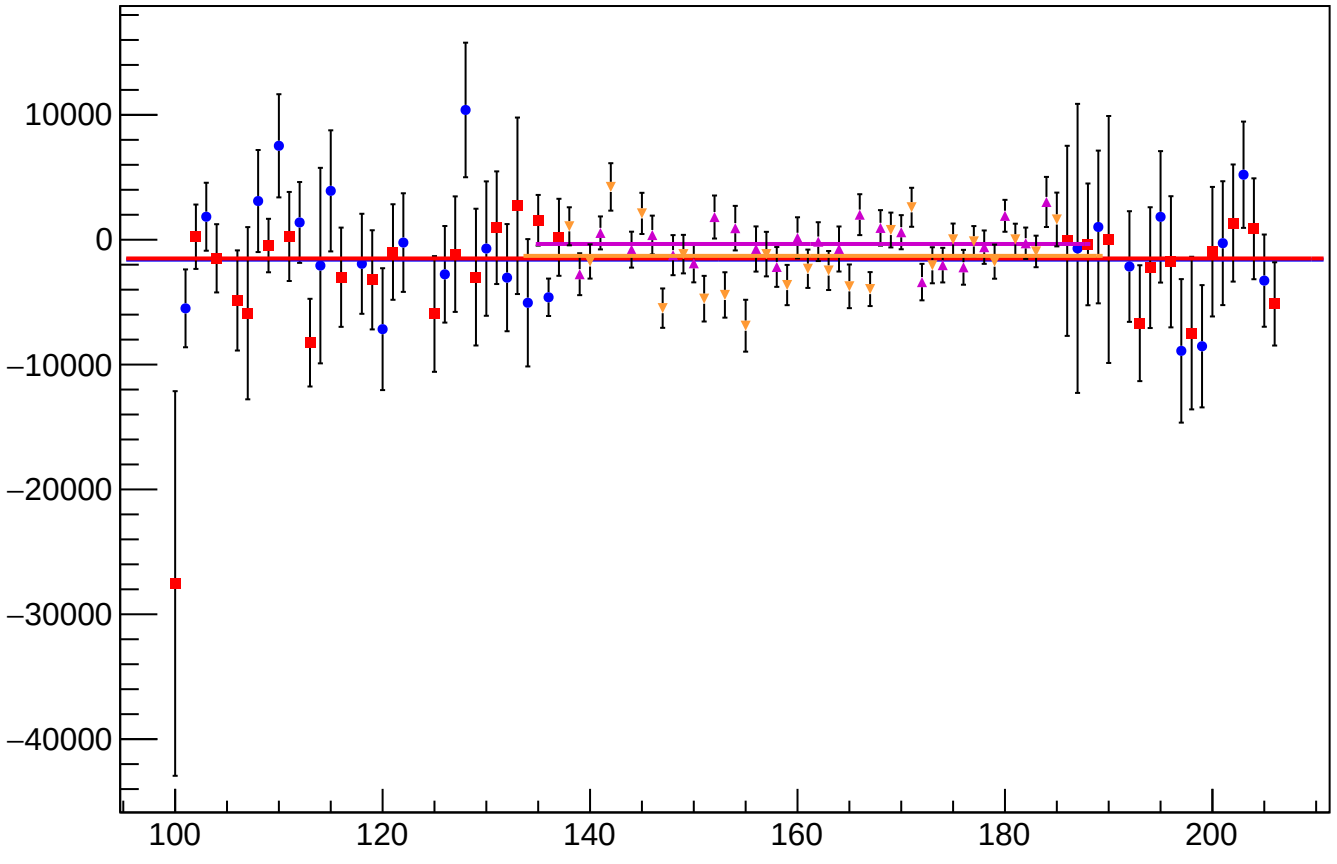
Right Out: 2155.725+/-0.384 χ^2/NDF: 204199.8/28

Left In: 2165.643+/-0.358 χ^2/NDF:52124.5/22

+ sign 2162.733+/-0.268 χ^2/NDF: 237534.6/48

All: 2161.862+/-0.187 χ^2/NDF: 494236.7/100

- sign 2161.032+/-0.262 χ^2/NDF: 256681.4/51



Right In: -1595.153+/-763.569 χ^2/NDF: 29.7/24

Left Out: -1293.716+/-310.622 χ^2/NDF:58.7/23

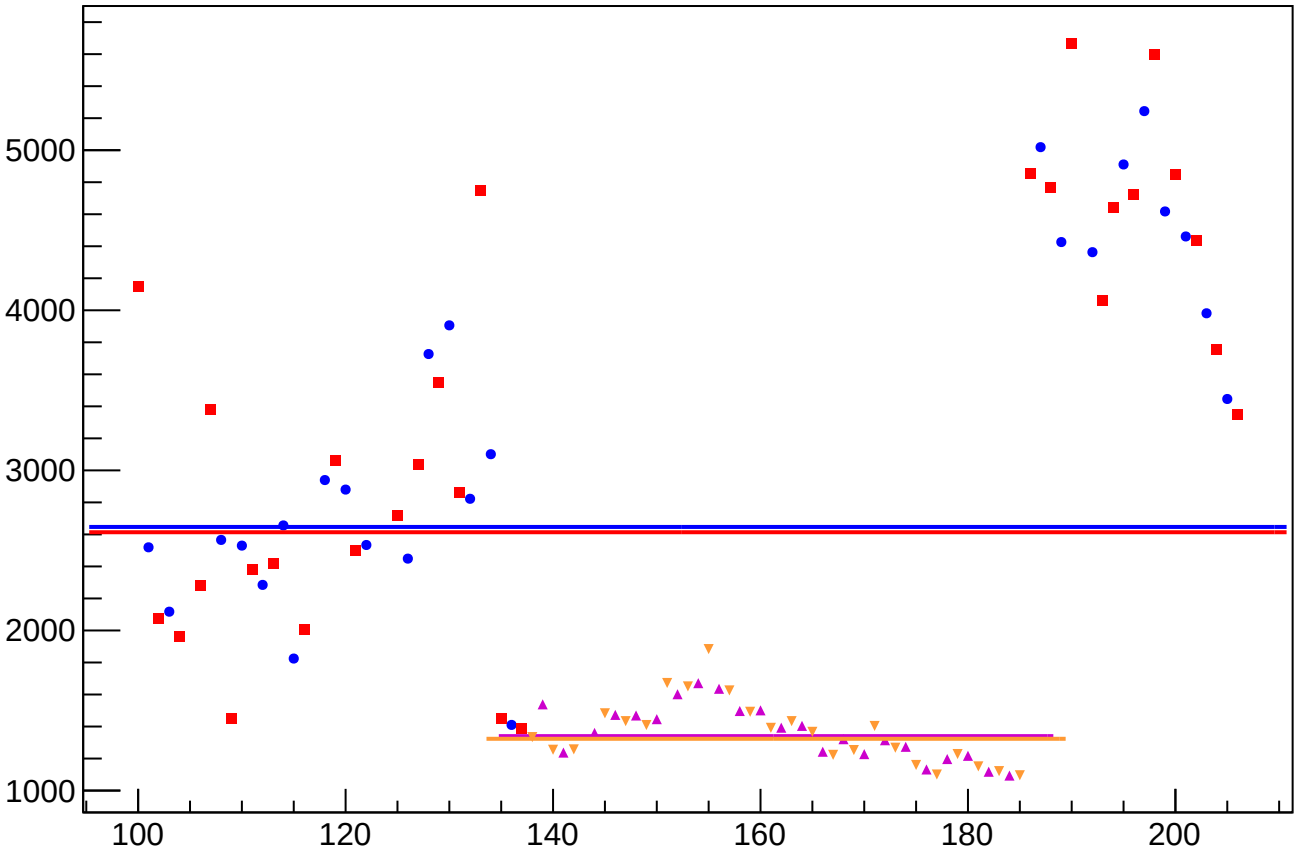
Right Out: -1501.092+/-717.302 χ^2/NDF: 17.4/28

Left In: -341.259+/-315.566 χ^2/NDF:24.8/22

+ sign -1336.517+/-287.725 χ^2/NDF: 88.5/48

All: -934.500+/-203.849 χ^2/NDF: 136.8/100

- sign -529.335+/-288.849 χ^2/NDF: 44.4/51



Right In: 2646.724+/-0.540 χ^2/NDF: 3970535.5/24

Left Out: 1323.402+/-0.220 χ^2/NDF:663859.2/23

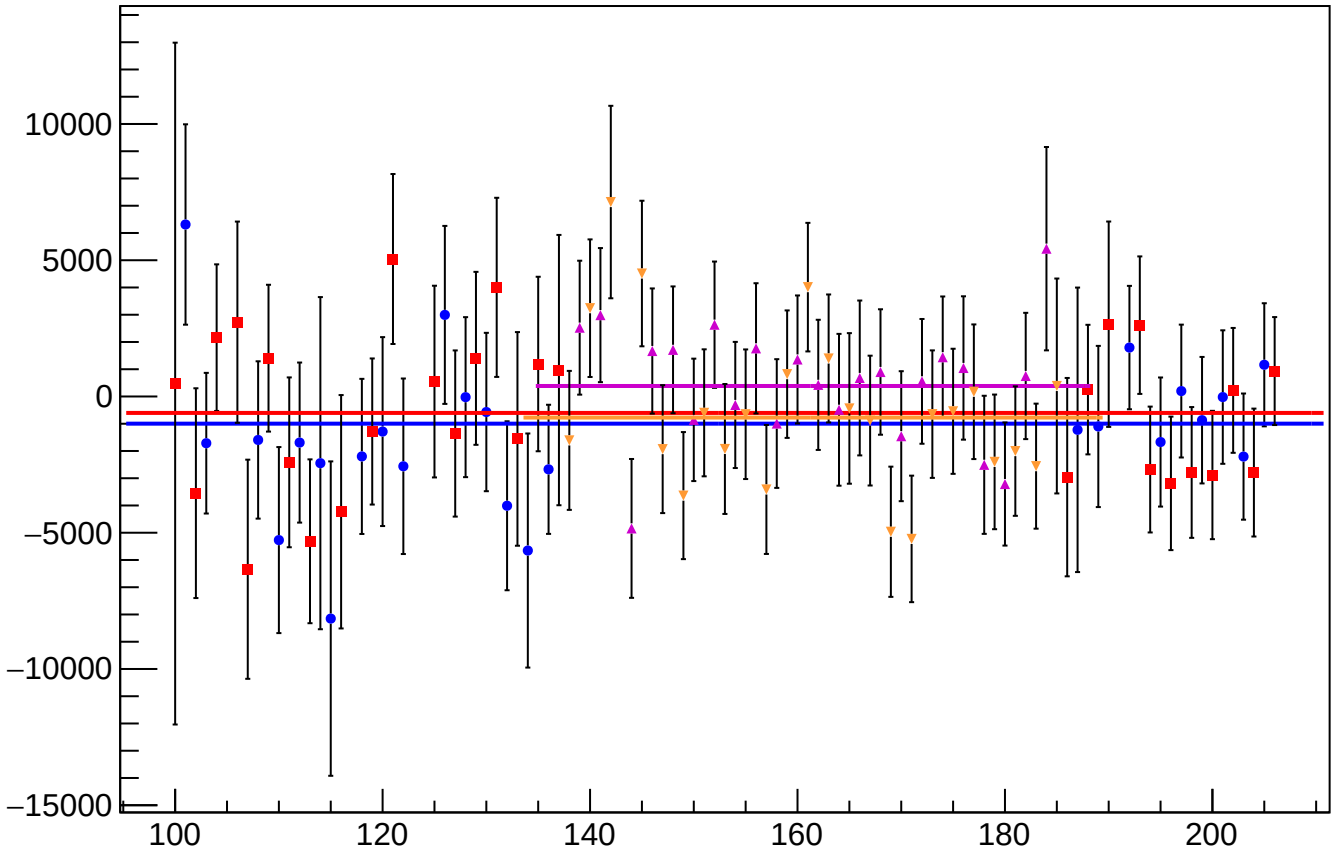
Right Out: 2613.655+/-0.507 χ^2/NDF: 5205865.7/28

Left In: 1340.084+/-0.223 χ^2/NDF:494267.4/22

+ sign 1511.301+/-0.203 χ^2/NDF: 9788529.2/48

All: 1528.884+/-0.144 χ^2/NDF: 20786086.4/1

- sign 1546.604+/-0.204 χ^2/NDF: 10982561.7/51



Right In: -997.286+/-577.549 χ^2/NDF: 15.1/24

Left Out: -773.576+/-502.816 χ^2/NDF:28.6/23

Right Out: -603.341+/-542.830 χ^2/NDF: 23.1/28

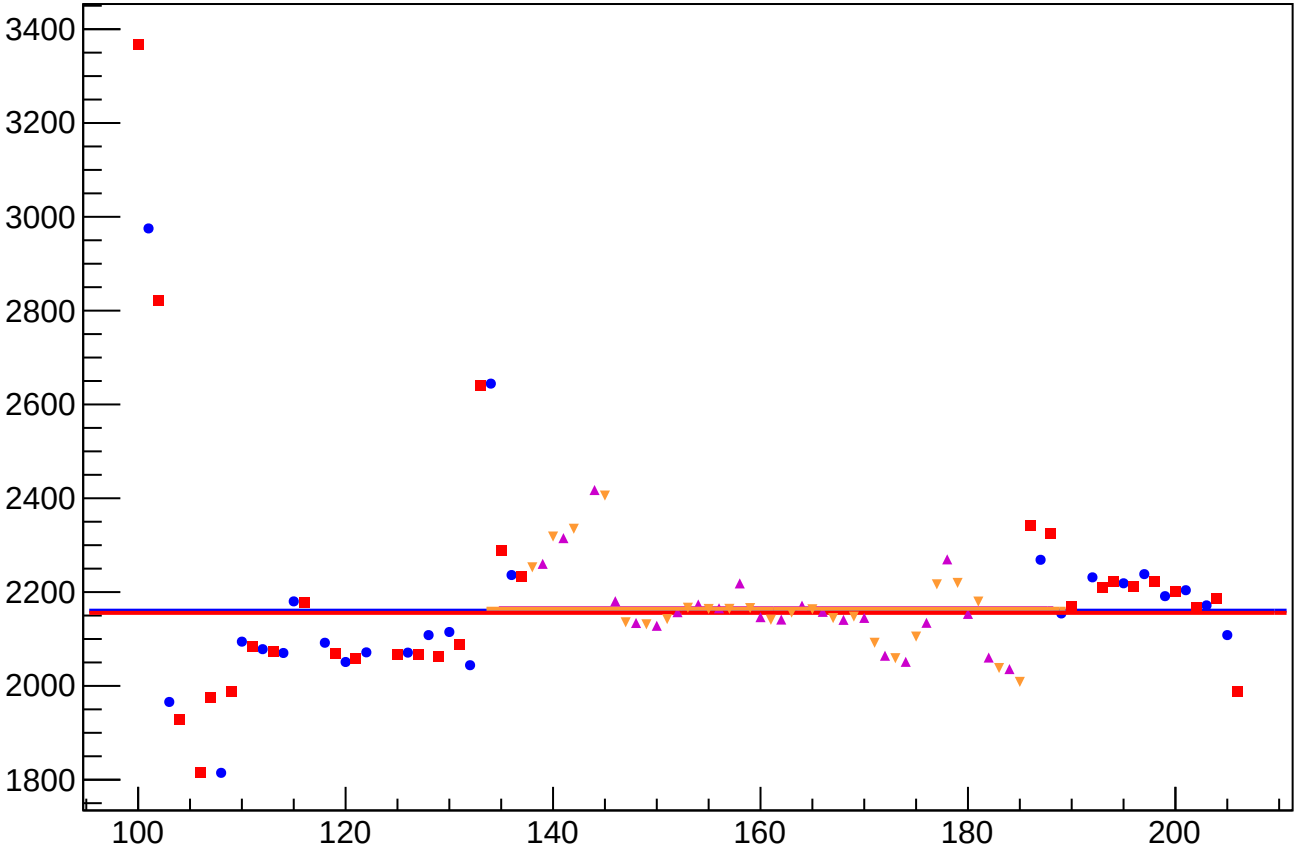
Left In: 385.269+/-506.052 χ^2/NDF:15.6/22

+ sign -870.030+/-379.233 χ^2/NDF: 43.8/48

All: -462.583+/-264.889 χ^2/NDF: 86.6/100

- sign -74.414+/-370.152 χ^2/NDF: 40.5/51

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 2160.360+/-0.408 χ^2/NDF: 186798.9/24

Left Out: 2164.532+/-0.356 χ^2/NDF:50676.3/23

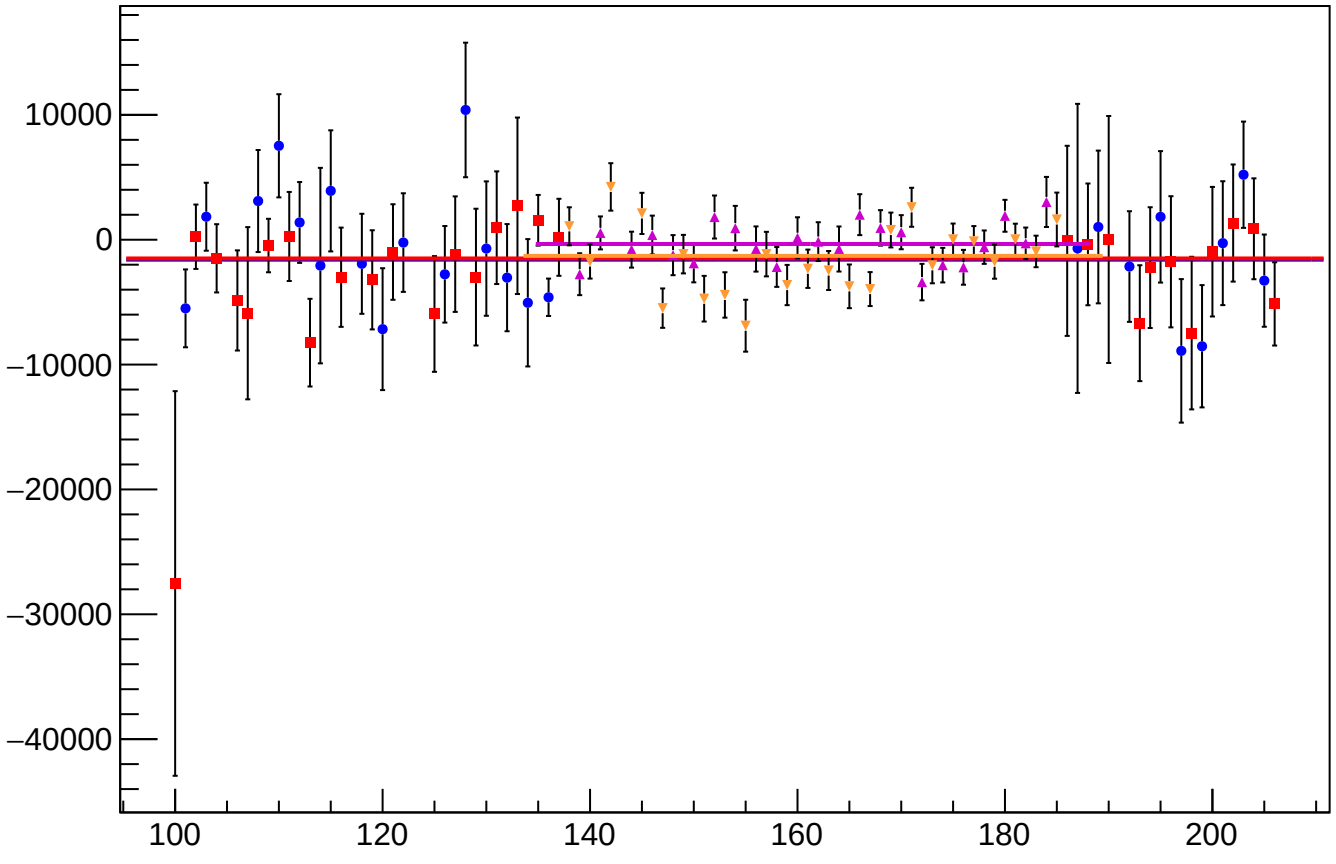
Right Out: 2155.725+/-0.384 χ^2/NDF: 204199.6/28

Left In: 2165.643+/-0.358 χ^2/NDF:52124.4/22

+ sign 2162.733+/-0.268 χ^2/NDF: 237534.6/48

All: 2161.862+/-0.187 χ^2/NDF: 494236.5/100

- sign 2161.031+/-0.262 χ^2/NDF: 256681.3/51



Right In: -1595.142+/-763.571 χ^2/NDF: 29.7/24

Left Out: -1293.717+/-310.622 χ^2/NDF:58.7/23

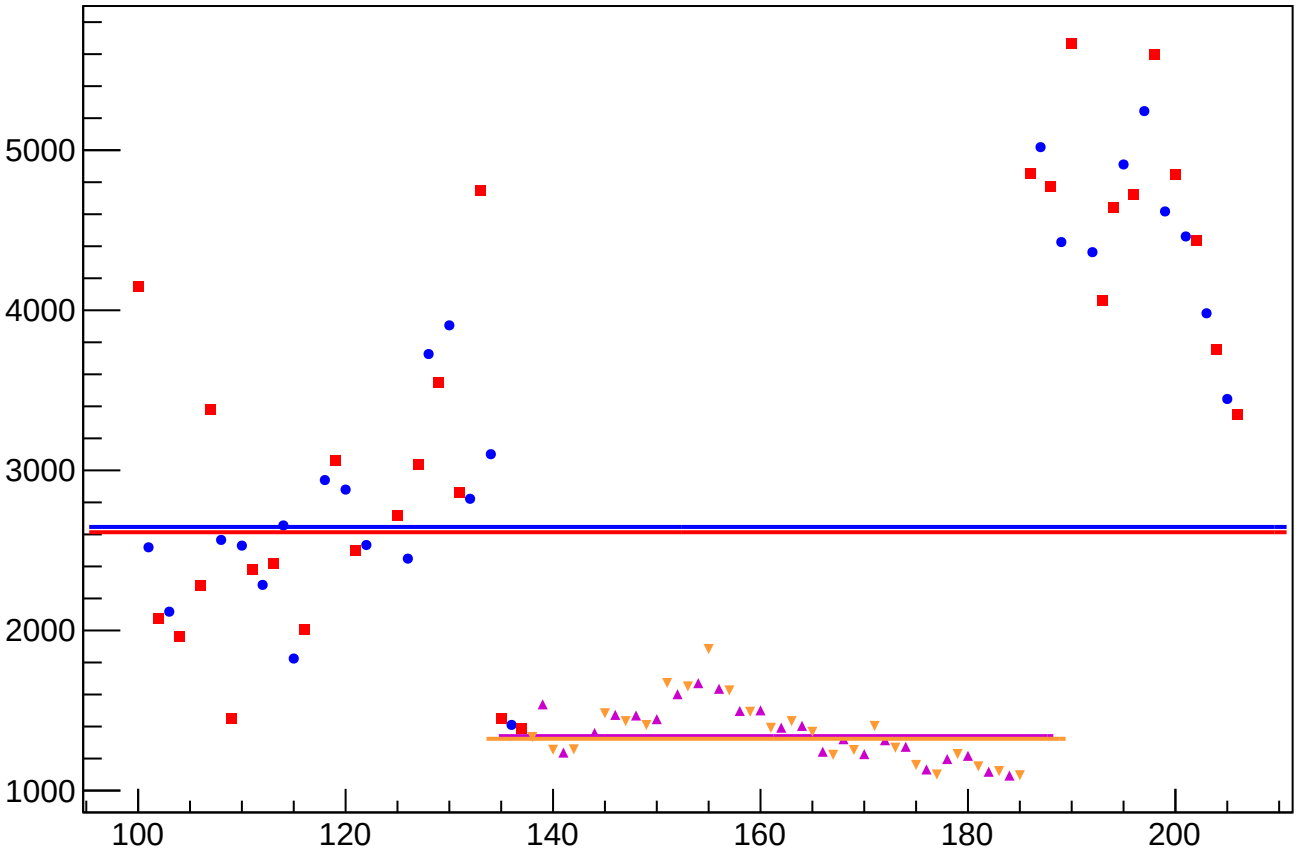
Right Out: -1501.107+/-717.304 χ^2/NDF: 17.4/28

Left In: -341.256+/-315.566 χ^2/NDF:24.8/22

+ sign -1336.516+/-287.725 χ^2/NDF: 88.5/48

All: -934.498+/-203.849 χ^2/NDF: 136.8/100

- sign -529.334+/-288.849 χ^2/NDF: 44.4/51



Right In: 2646.736+/-0.540 χ^2/NDF: 3970445.8/24

Left Out: 1323.402+/-0.220 χ^2/NDF:663857.6/23

Right Out: 2613.667+/-0.507 χ^2/NDF: 5205776.6/28

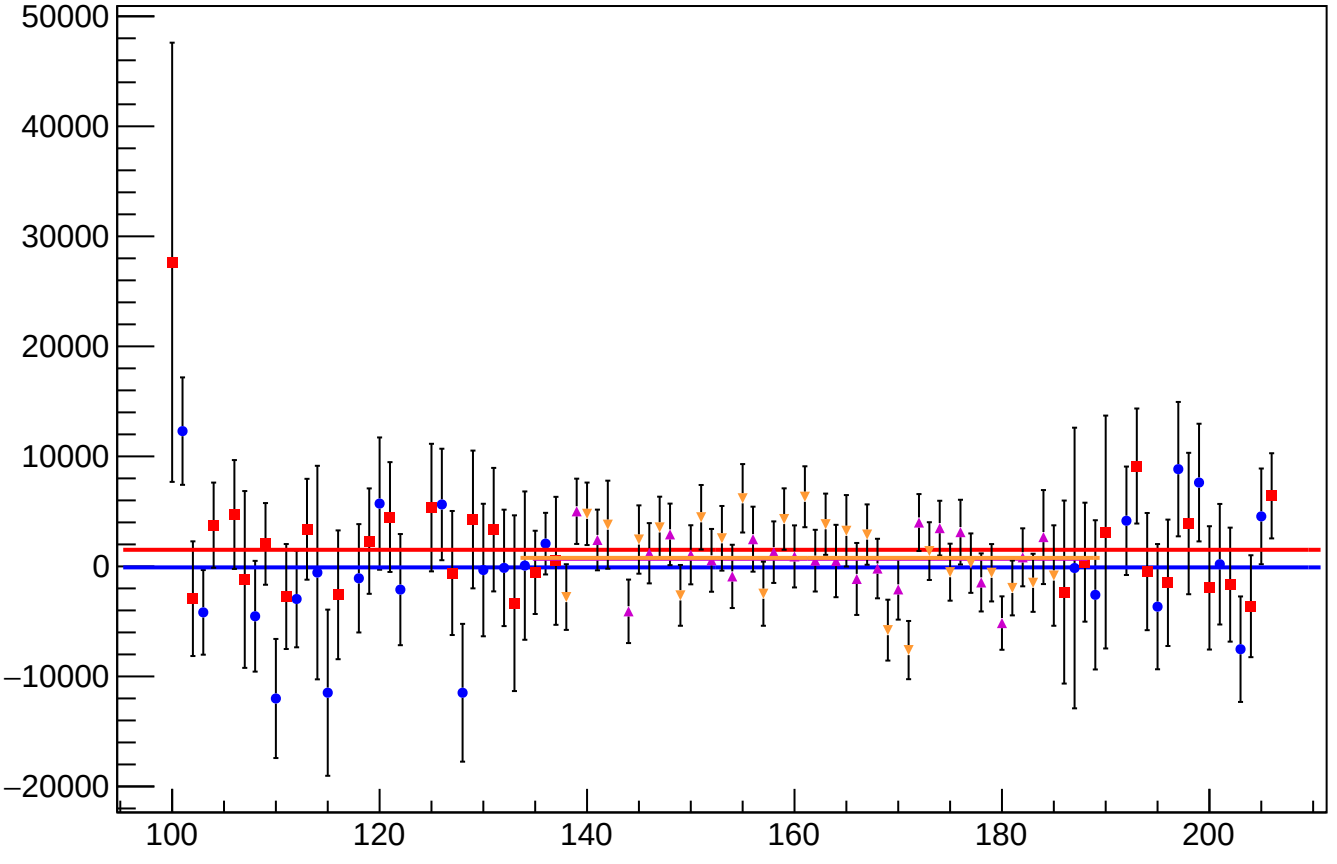
Left In: 1340.083+/-0.223 χ^2/NDF:494276.1/22

+ sign 1511.302+/-0.203 χ^2/NDF: 9788509.2/48

All: 1528.884+/-0.144 χ^2/NDF: 20786074.0/1

- sign 1546.603+/-0.204 χ^2/NDF: 10982570.3/51

asym_us_dd_at2lr_dd_avg_mean vs Slug



Right In: -88.629+/-1031.466 χ^2/NDF: 31.2/24

Left Out: 774.788+/-583.692 χ^2/NDF:39.3/23

Right Out: 1509.751+/-980.862 χ^2/NDF: 13.3/28

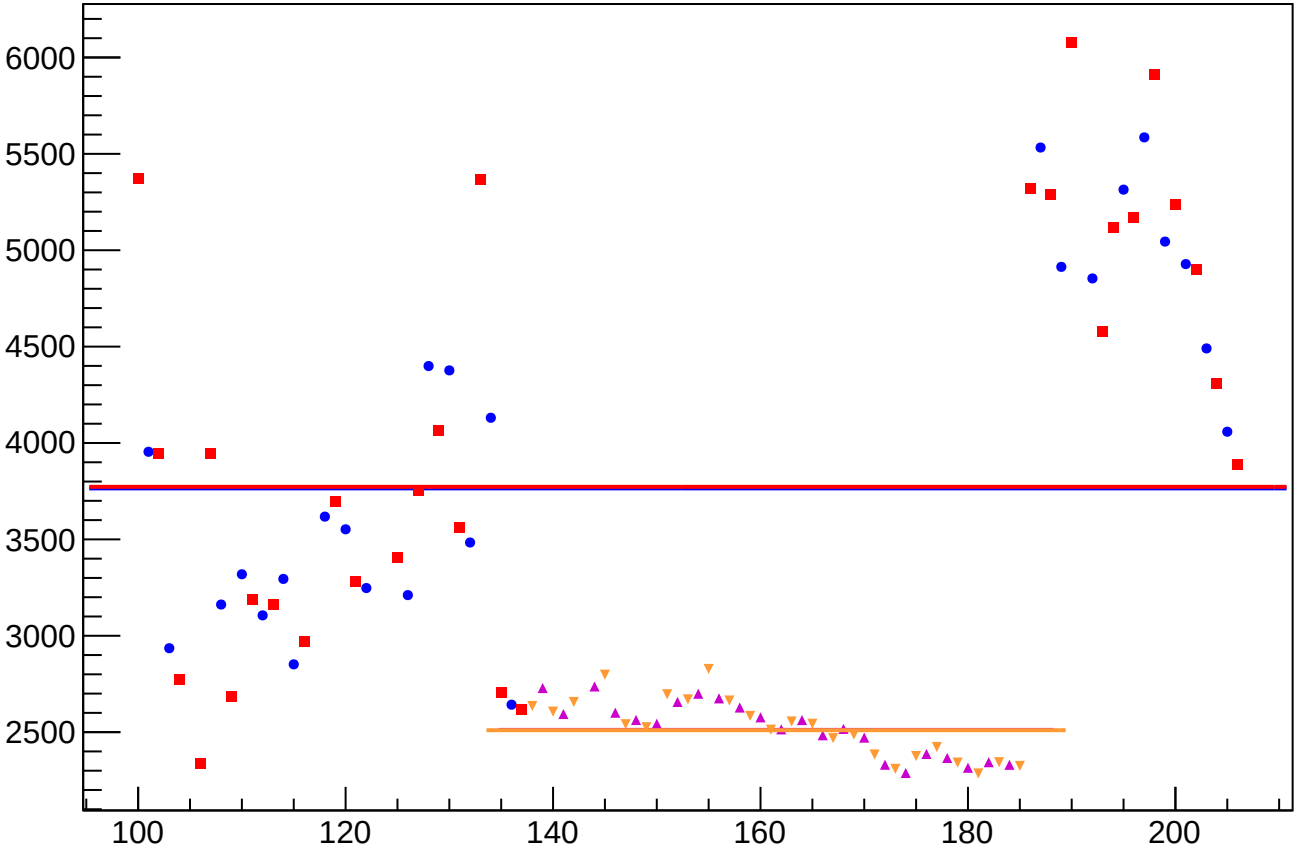
Left In: 689.981+/-587.431 χ^2/NDF:18.3/22

\+ sign 565.362+/-507.995 χ^2/NDF: 71.1/48

All: 737.234+/-357.773 χ^2/NDF: 103.5/100

\- sign 906.390+/-503.964 χ^2/NDF: 32.1/51

asym_us_dd_at2lr_dd_avg_rms vs Slug



Right In: 3764.578+/-0.729 χ^2/NDF: 1419562.0/24

Left Out: 2510.069+/-0.413 χ^2/NDF:128632.5/23

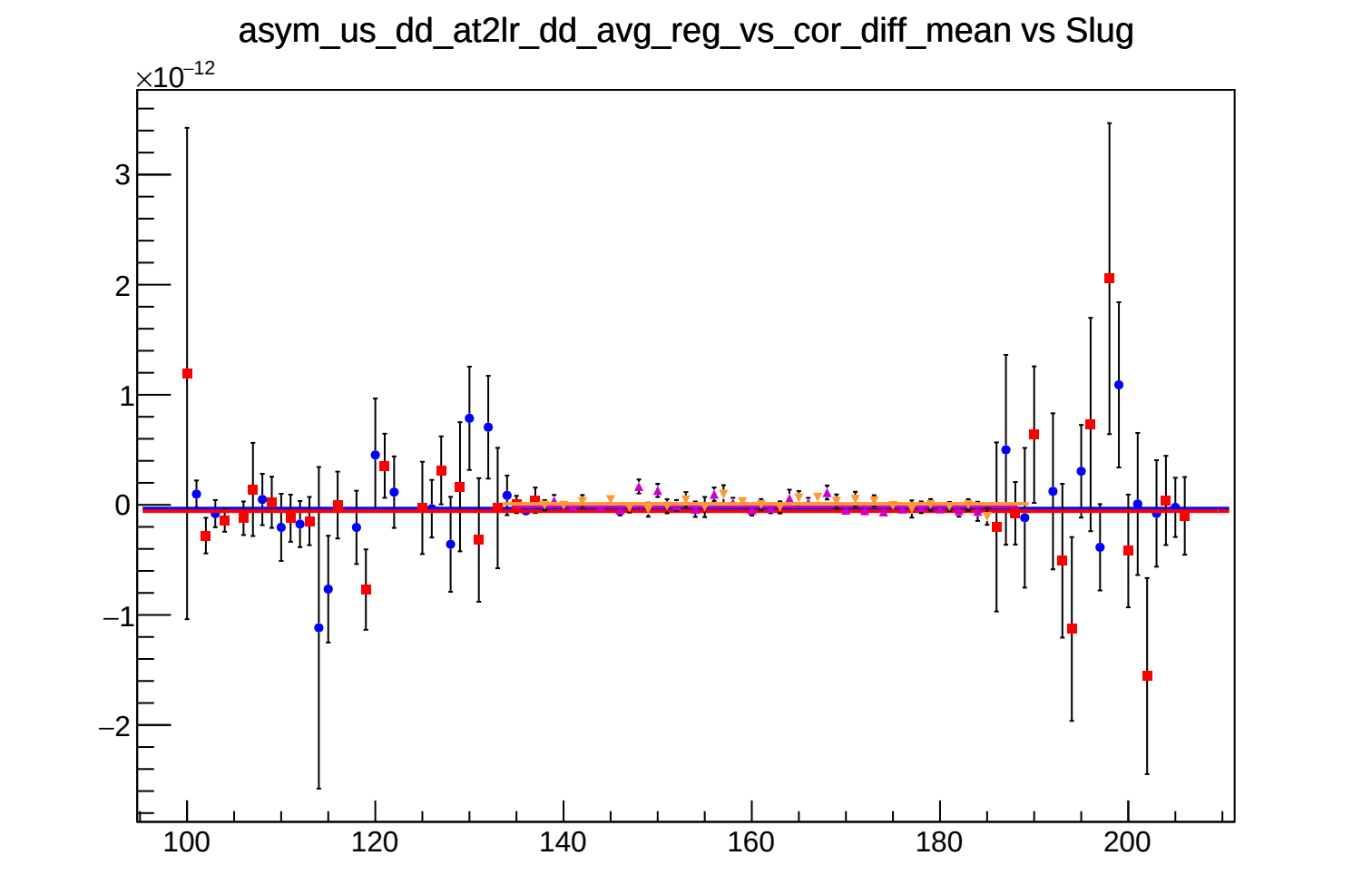
Right Out: 3772.541+/-0.694 χ^2/NDF: 2041366.1/28

Left In: 2511.613+/-0.415 χ^2/NDF:113485.5/22

+ sign 2814.356+/-0.359 χ^2/NDF: 3789084.0/48

All: 2829.541+/-0.253 χ^2/NDF: 8380169.8/10

- sign 2844.486+/-0.356 χ^2/NDF: 4587539.9/51



Right In: -0.000+/-0.000 χ^2/NDF: 17.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:12.2/23

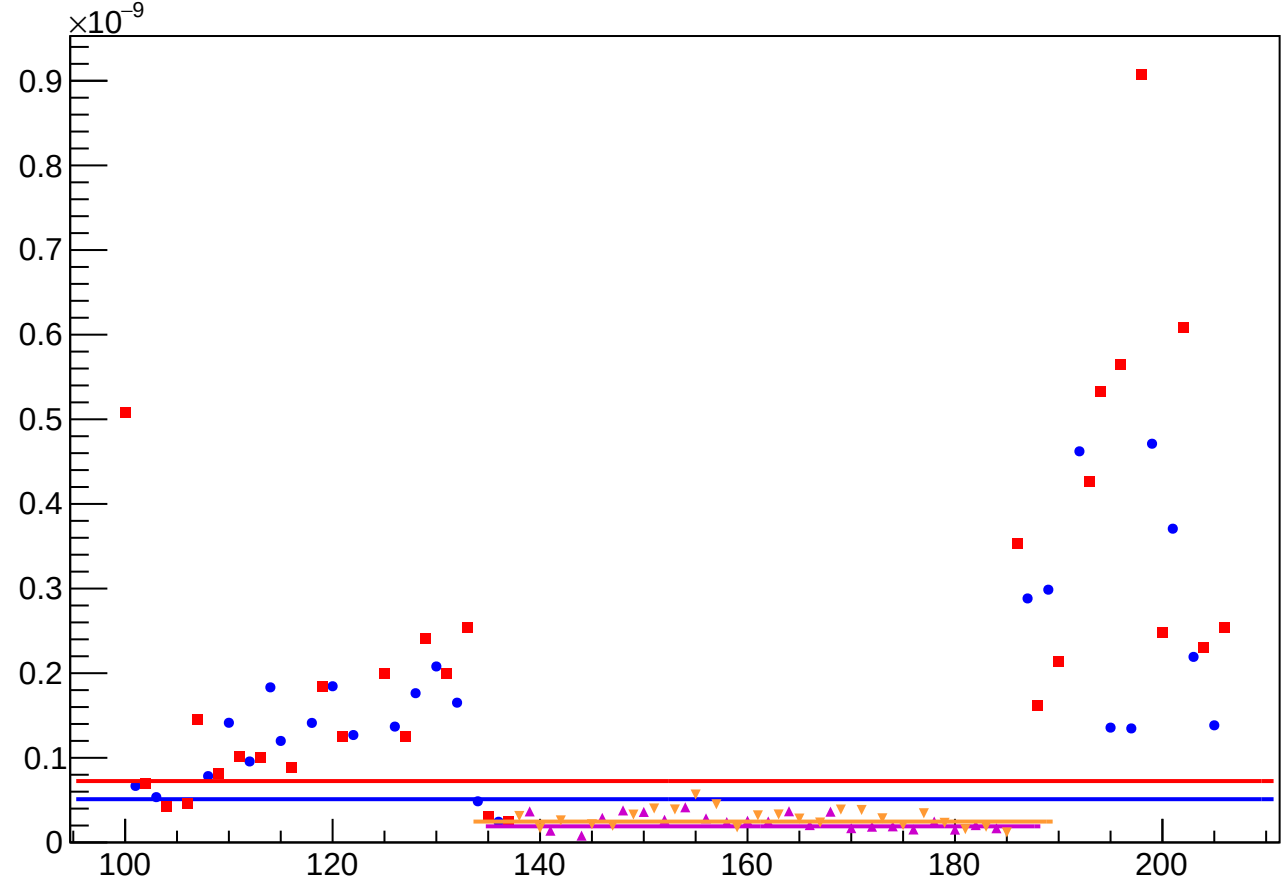
Right Out: -0.000+/-0.000 χ^2/NDF: 22.2/28

Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 31.0/48

All: -0.000+/-0.000 χ^2/NDF: 88.0/100

- sign -0.000+/-0.000 χ^2/NDF: 54.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 5188027.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1413212.9/23

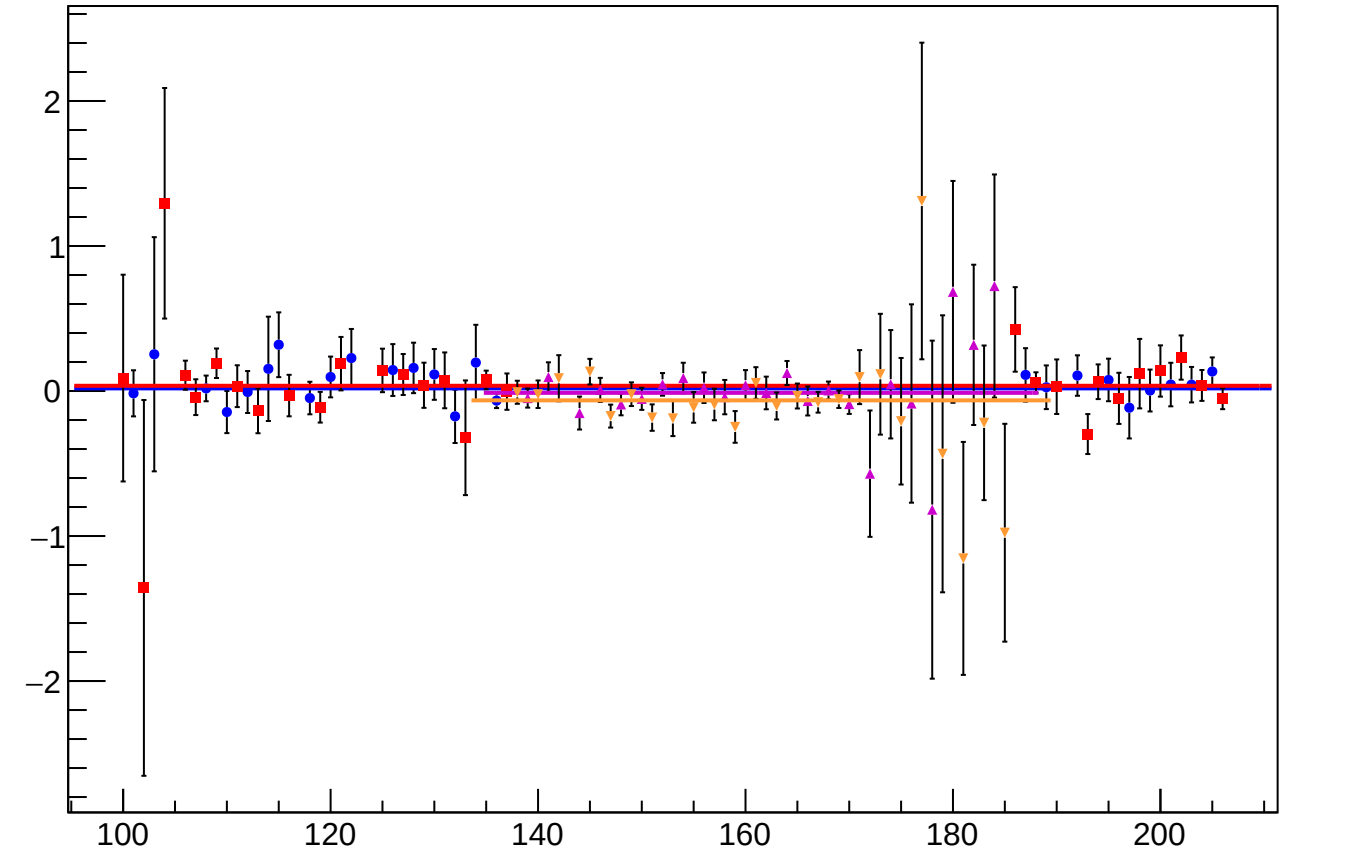
Right Out: 0.000+/-0.000 χ^2/NDF: 7022808.1/28

Left In: 0.000+/-0.000 χ^2/NDF:2190334.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 7740722.0/48

All: 0.000+/-0.000 χ^2/NDF: 20498037.6/100

- sign 0.000+/-0.000 χ^2/NDF: 12362119.5/51



Right In: 0.018+/-0.027 χ^2/NDF: 13.5/24

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

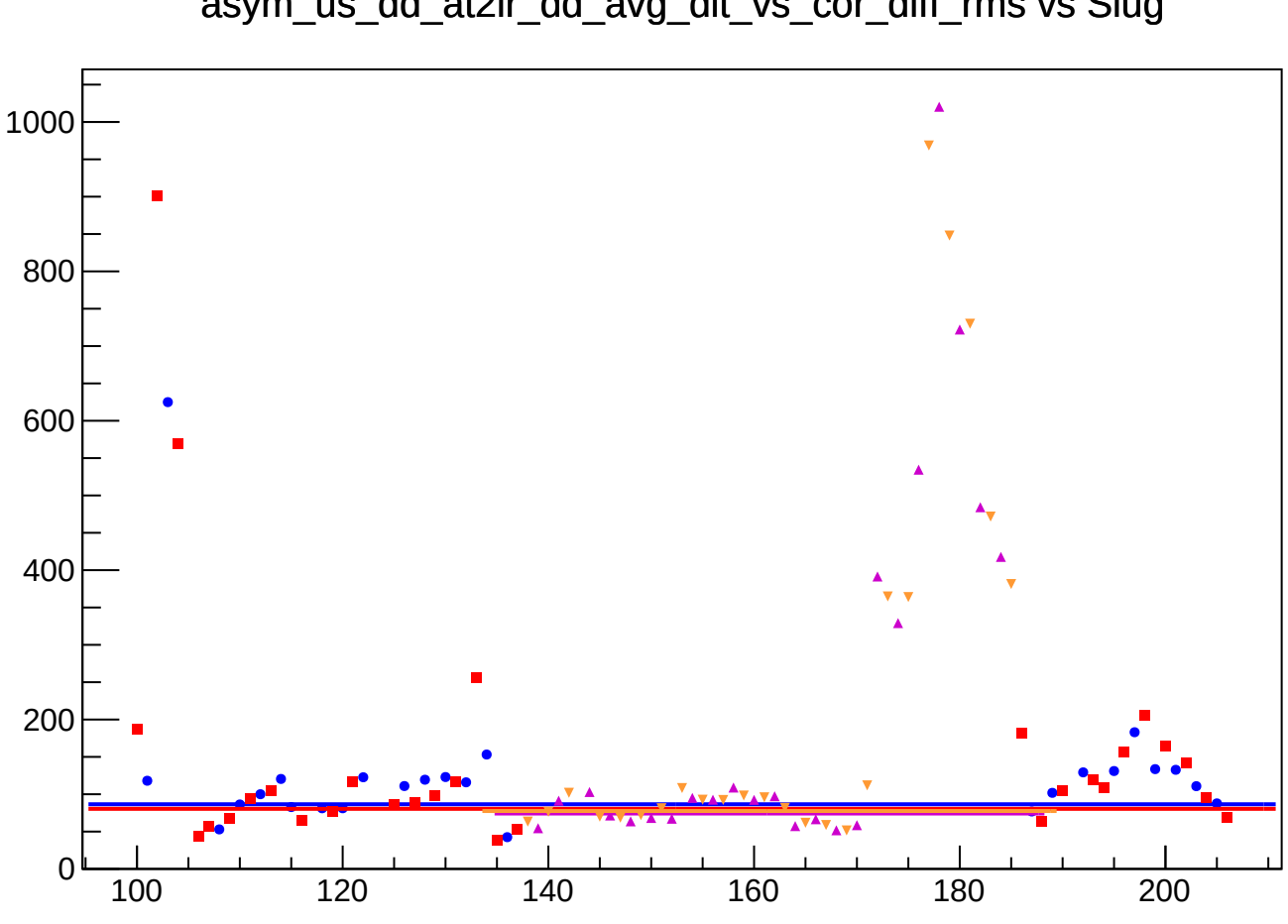
Right Out: 0.036+/-0.024 χ^2/NDF: 24.8/28

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.031+/-0.017 χ^2/NDF: 41.6/48

All: -0.009+/-0.012 χ^2/NDF: 86.7/100

- sign 0.009+/-0.016 χ^2/NDF: 42.2/51



Right In: 86.571+/-0.019 χ^2/NDF: 4487973.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

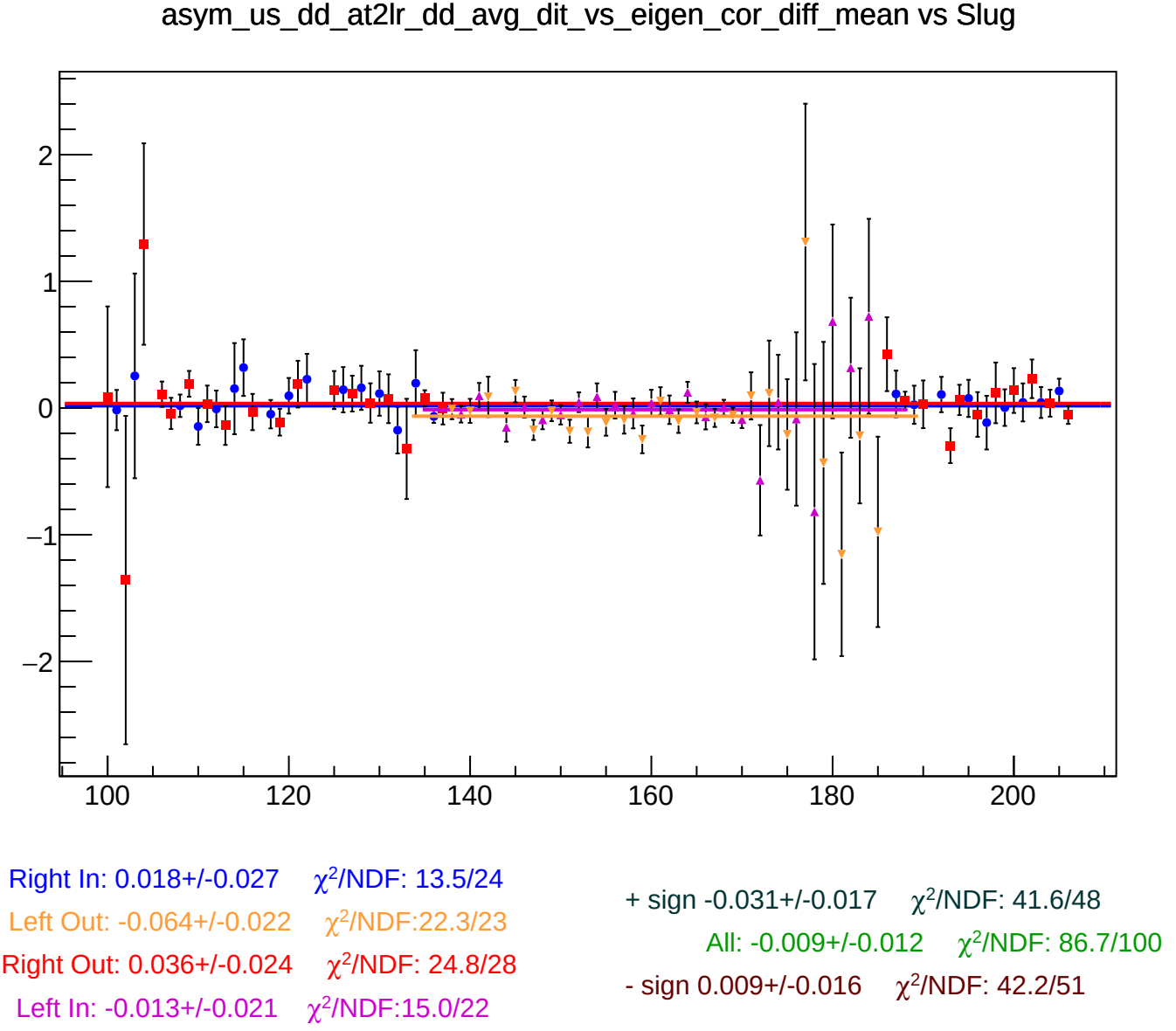
Right Out: 80.462+/-0.017 χ^2/NDF: 6044187.1/28

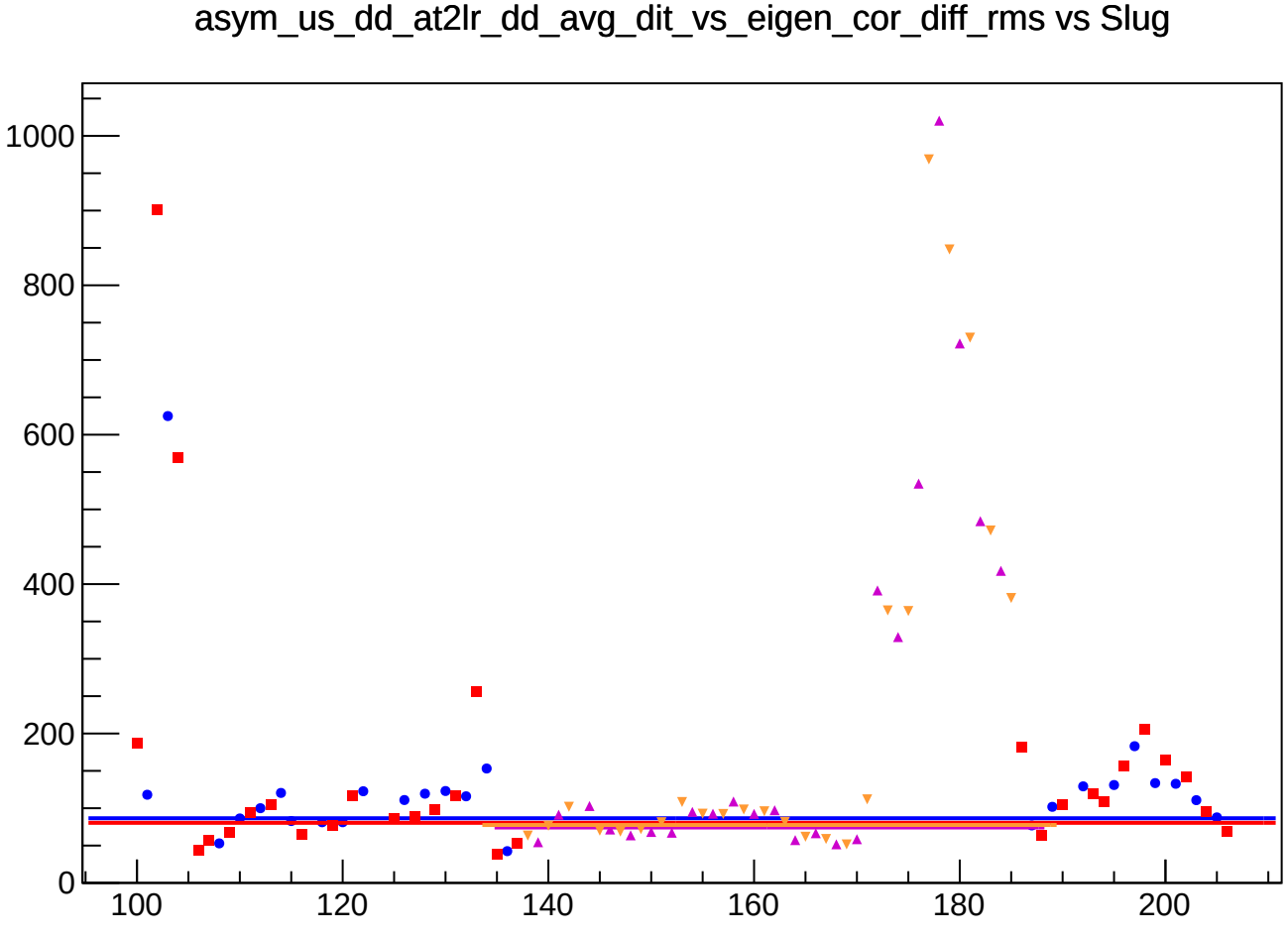
Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 81.238+/-0.012 χ^2/NDF: 12956193.3/48

All: 78.948+/-0.008 χ^2/NDF: 27659241.8/100

- sign 76.965+/-0.011 χ^2/NDF: 14635204.4/51


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.018+/-0.027 χ²/NDF: 13.5/24
Left Out: -0.064+/-0.022 χ²/NDF:22.3/23
Right Out: 0.036+/-0.024 χ²/NDF: 24.8/28
Left In: -0.013+/-0.021 χ²/NDF:15.0/22
+ sign -0.031+/-0.017 χ²/NDF: 41.6/48
All: -0.009+/-0.012 χ²/NDF: 86.7/100
- sign 0.009+/-0.016 χ²/NDF: 42.2/51



Right In: 86.571+/-0.019 χ^2/NDF: 4487973.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331194.0/23

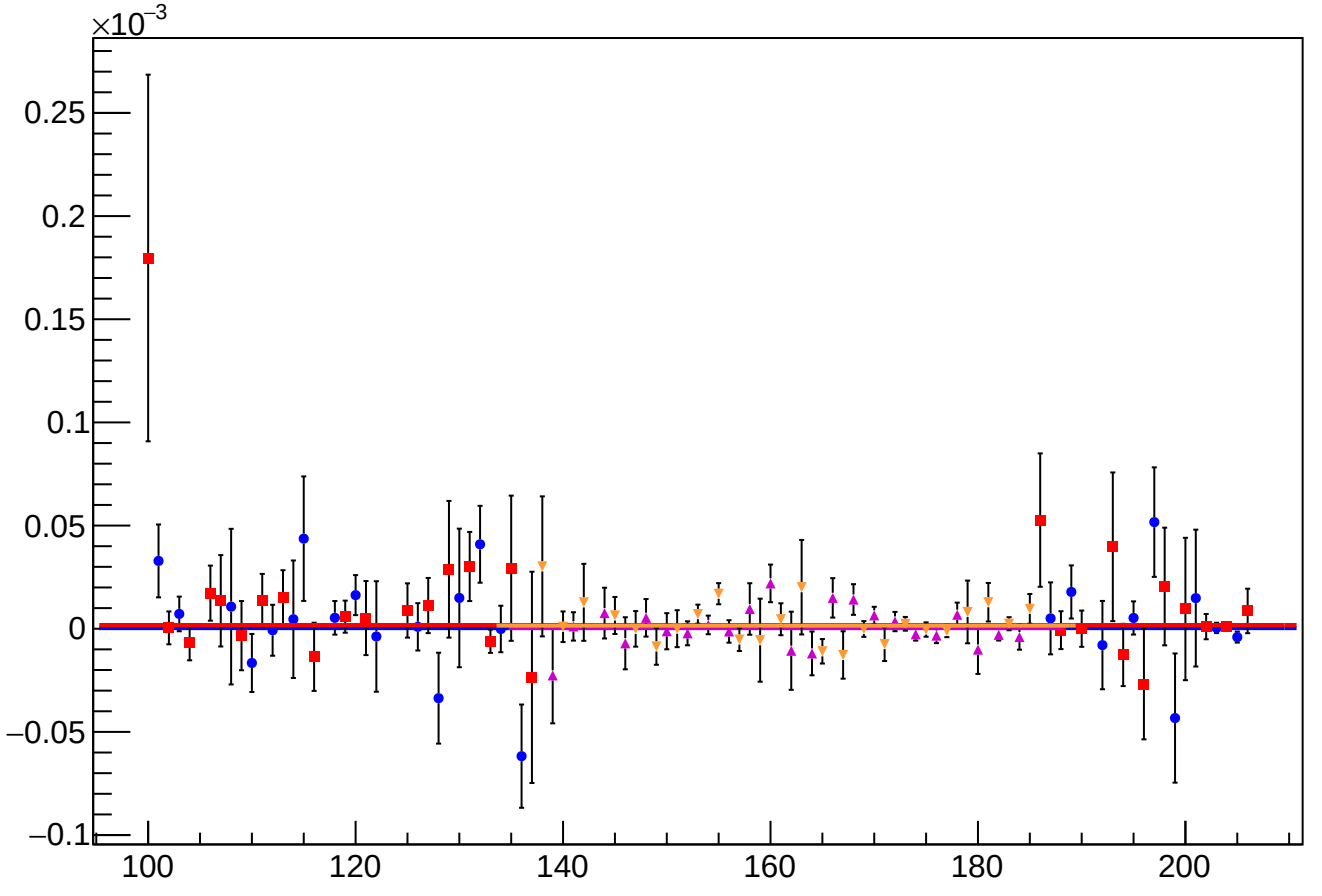
Right Out: 80.462+/-0.017 χ^2/NDF: 6044187.1/28

Left In: 74.216+/-0.015 χ^2/NDF:8514080.5/22

+ sign 81.238+/-0.012 χ^2/NDF: 12956193.3/48

All: 78.948+/-0.008 χ^2/NDF: 27659241.8/100

- sign 76.965+/-0.011 χ^2/NDF: 14635204.4/51



Right In: 0.000+/-0.000 χ^2/NDF: 35.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.1/23

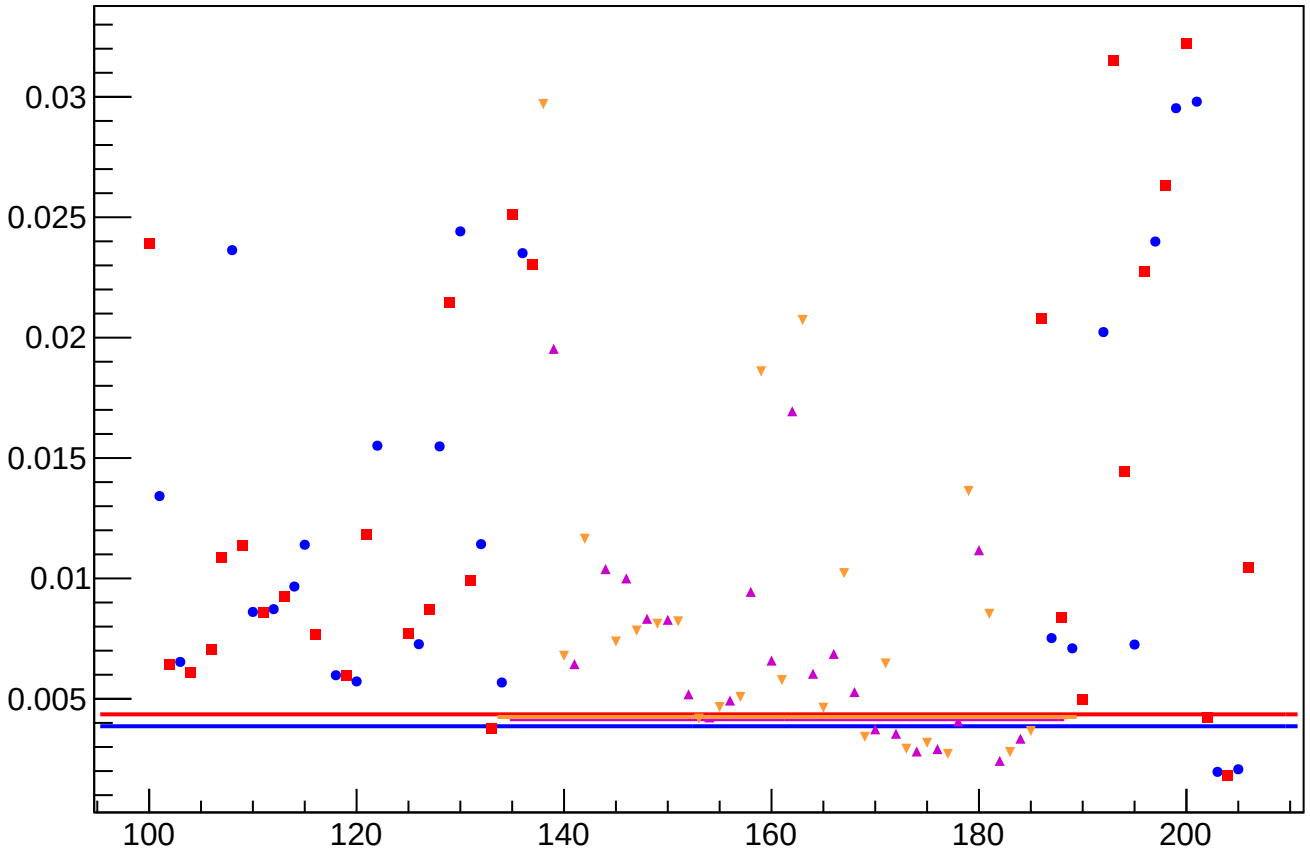
Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/28

Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.7/48

All: 0.000+/-0.000 χ^2/NDF: 111.5/100

- sign 0.000+/-0.000 χ^2/NDF: 48.8/51



Right In: 0.004+/-0.000 χ^2/NDF: 13278663.6/24

Left Out: 0.004+/-0.000 χ^2/NDF:8650909.7/23

Right Out: 0.004+/-0.000 χ^2/NDF: 13939290.0/28

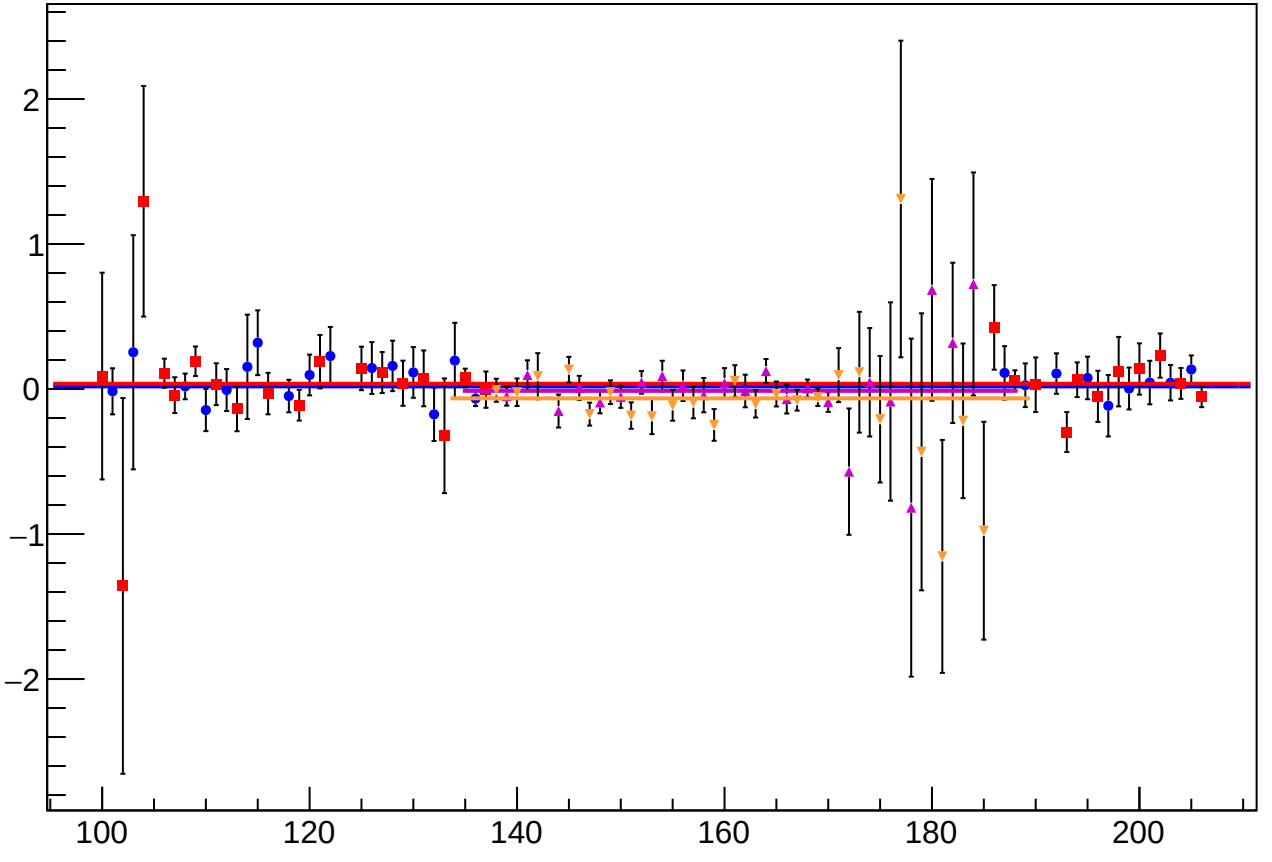
Left In: 0.004+/-0.000 χ^2/NDF:6886421.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 22007930.0/48

All: 0.004+/-0.000 χ^2/NDF: 42871882.1/100

- sign 0.004+/-0.000 χ^2/NDF: 20847414.4/51

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.018+/-0.027 χ^2/NDF: 13.5/24

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

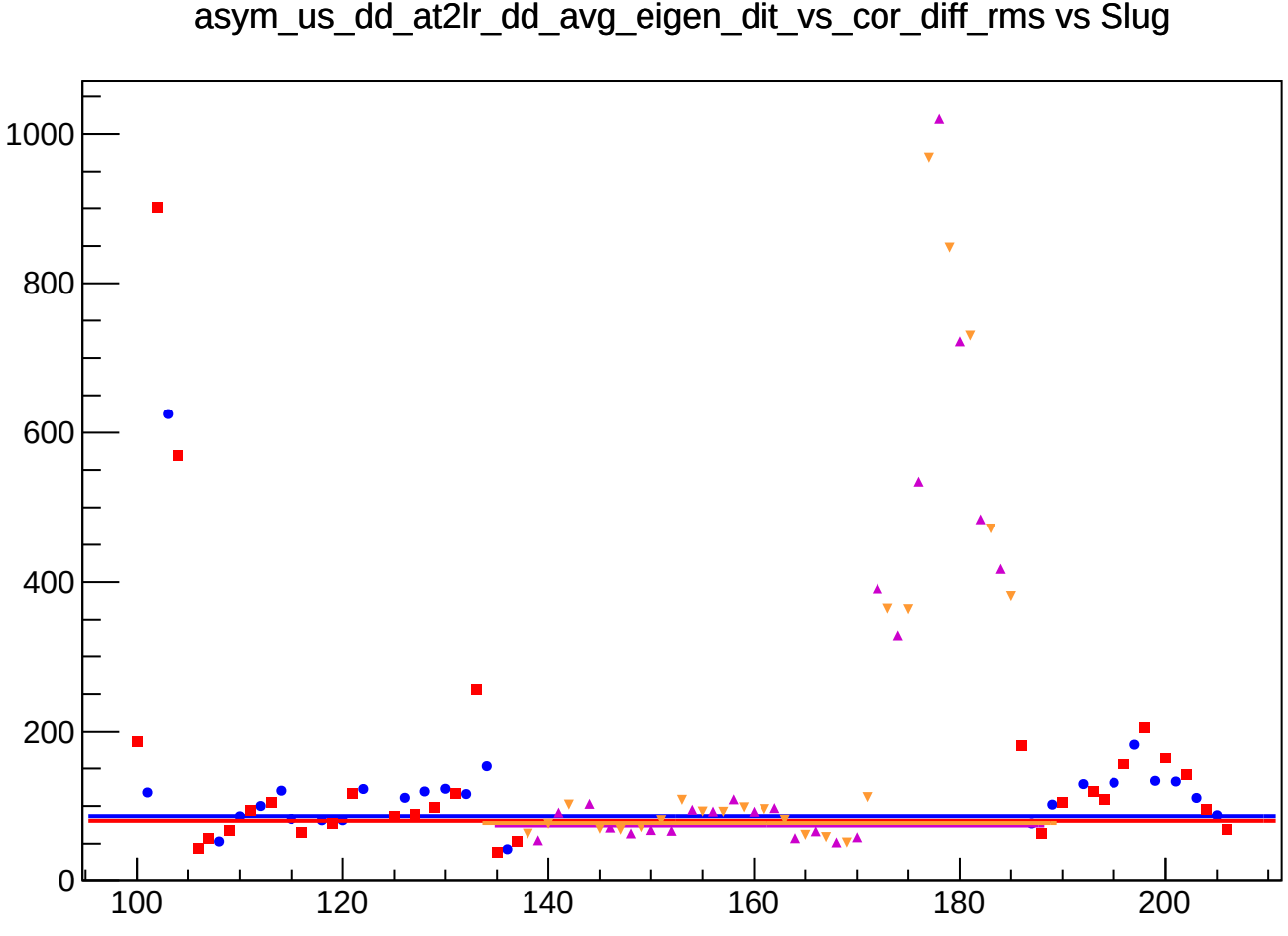
Right Out: 0.036+/-0.024 χ^2/NDF: 24.8/28

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.031+/-0.017 χ^2/NDF: 41.6/48

All: -0.009+/-0.012 χ^2/NDF: 86.7/100

- sign 0.009+/-0.016 χ^2/NDF: 42.2/51



Right In: 86.591+/-0.019 χ^2/NDF: 4484269.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

Right Out: 80.455+/-0.017 χ^2/NDF: 6045762.2/28

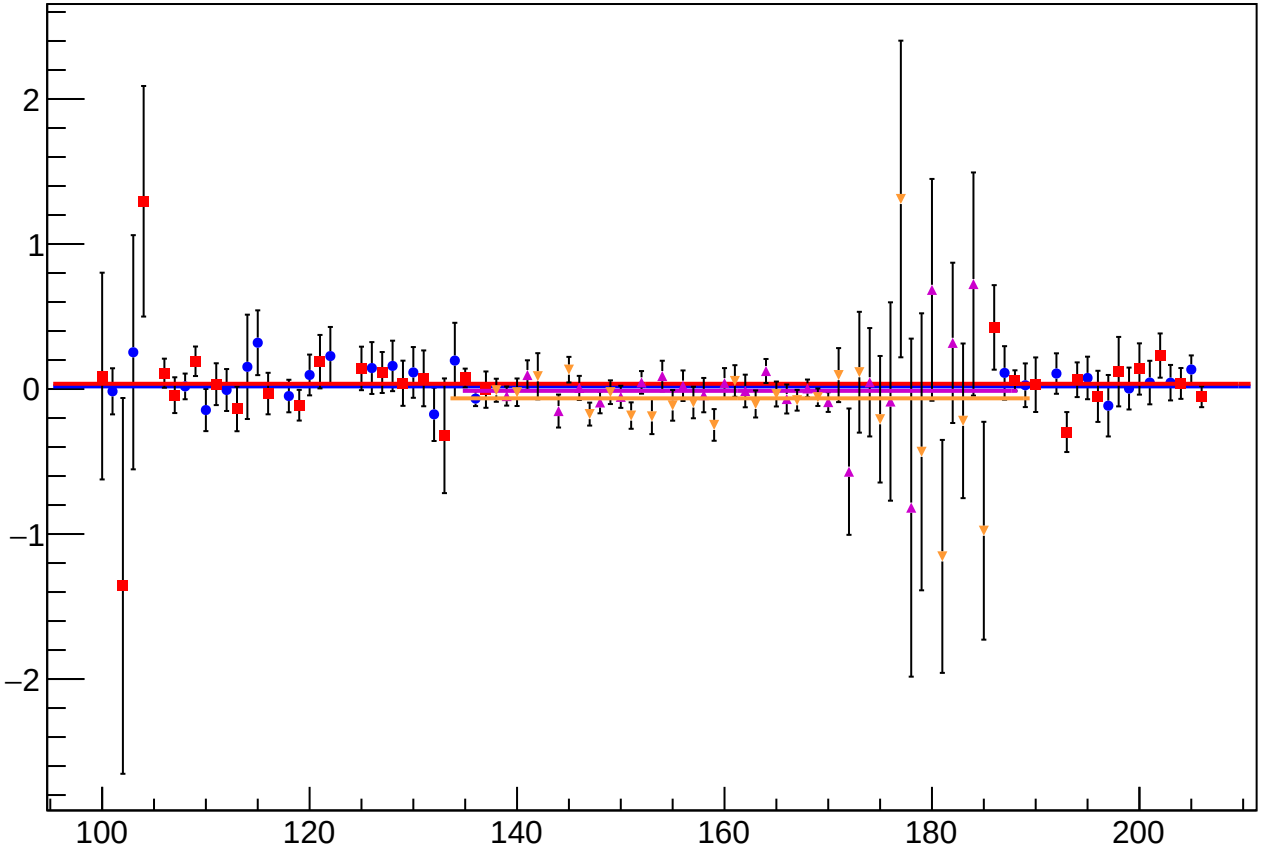
Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

+ sign 81.245+/-0.012 χ^2/NDF: 12953010.8/48

All: 78.951+/-0.008 χ^2/NDF: 27657452.4/100

- sign 76.962+/-0.011 χ^2/NDF: 14636286.7/51

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.018+/-0.027 χ^2/NDF: 13.5/24

Left Out: -0.064+/-0.022 χ^2/NDF:22.3/23

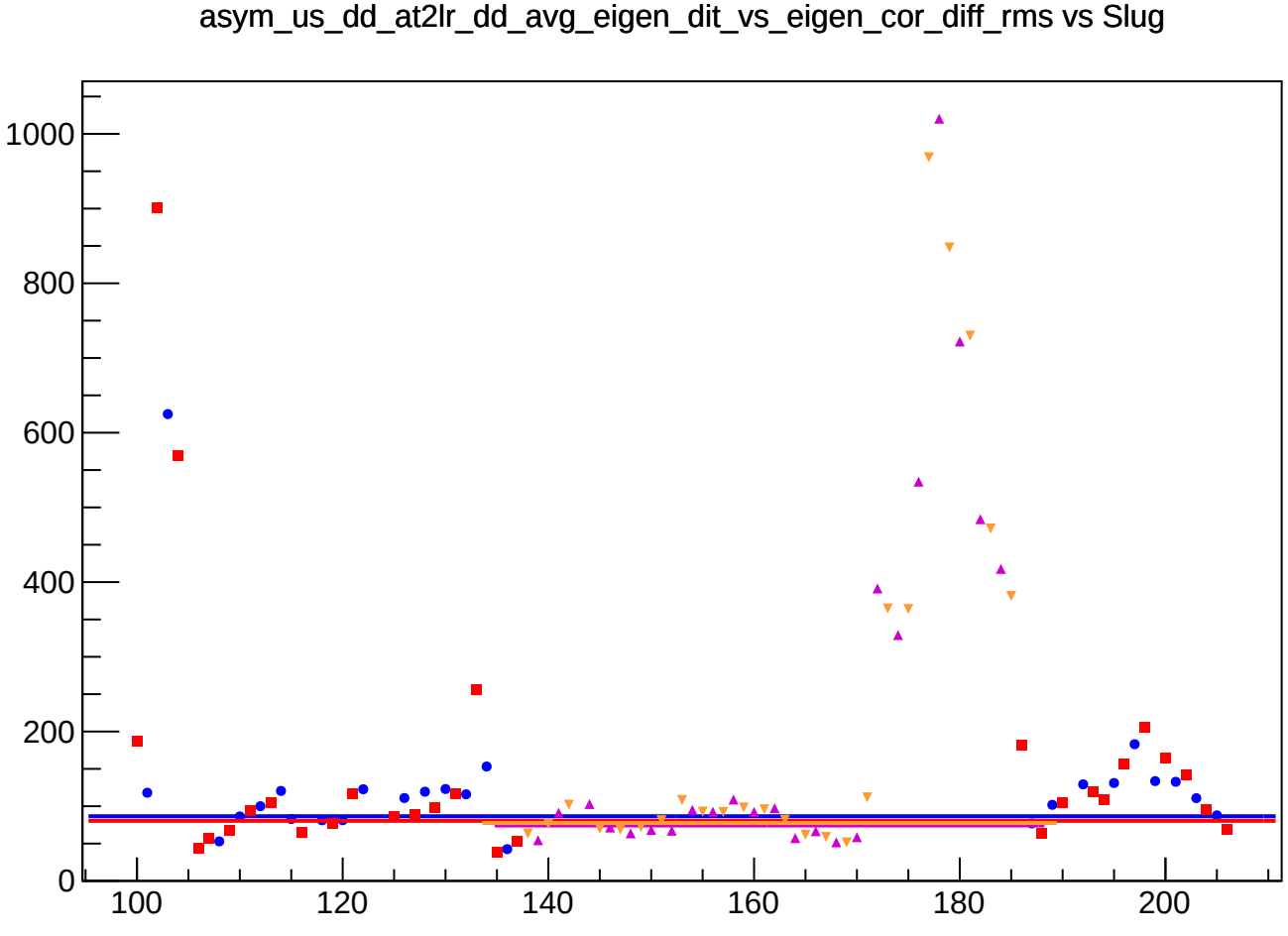
Right Out: 0.036+/-0.024 χ^2/NDF: 24.8/28

Left In: -0.013+/-0.021 χ^2/NDF:15.0/22

+ sign -0.031+/-0.017 χ^2/NDF: 41.6/48

All: -0.009+/-0.012 χ^2/NDF: 86.7/100

- sign 0.009+/-0.016 χ^2/NDF: 42.2/51



Right In: 86.591+/-0.019 χ^2/NDF: 4484269.0/24

Left Out: 77.533+/-0.016 χ^2/NDF:8331106.7/23

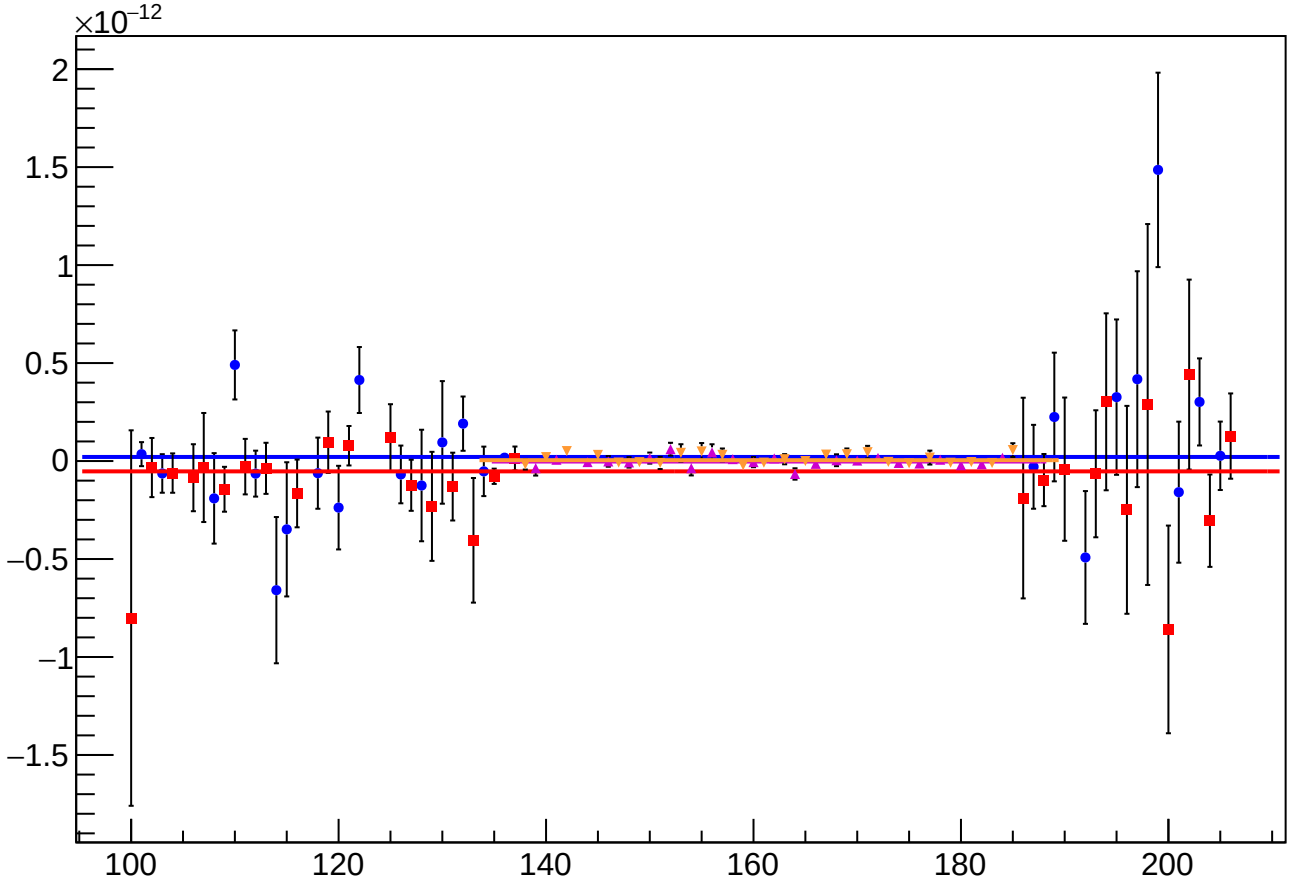
Right Out: 80.455+/-0.017 χ^2/NDF: 6045762.2/28

Left In: 74.217+/-0.015 χ^2/NDF:8513791.3/22

\+ sign 81.245+/-0.012 χ^2/NDF: 12953010.8/48

All: 78.951+/-0.008 χ^2/NDF: 27657452.4/100

\- sign 76.962+/-0.011 χ^2/NDF: 14636286.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 37.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.7/23

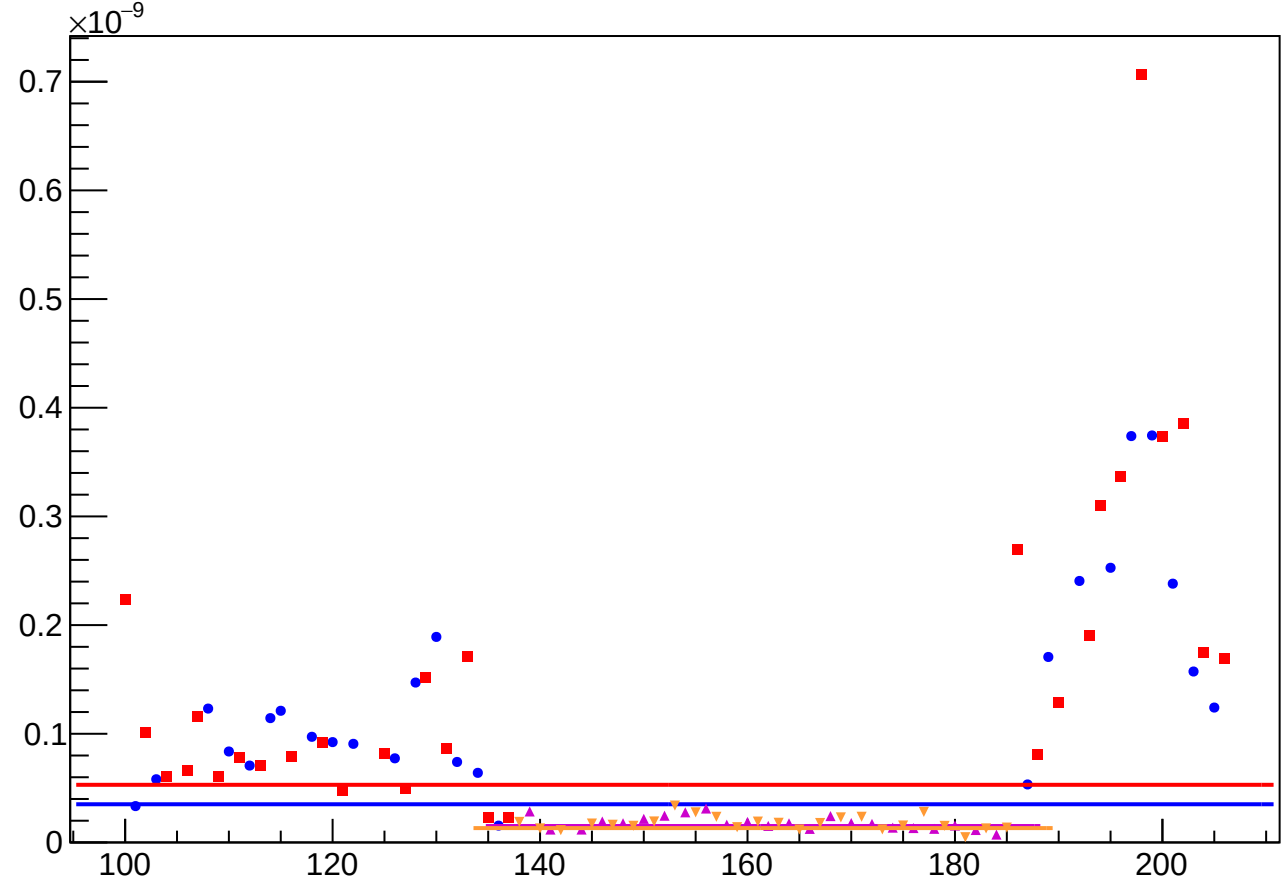
Right Out: -0.000+/-0.000 χ^2/NDF: 15.3/28

Left In: -0.000+/-0.000 χ^2/NDF:17.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.2/48

All: 0.000+/-0.000 χ^2/NDF: 99.7/100

- sign -0.000+/-0.000 χ^2/NDF: 37.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 9377762.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:4237321.5/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8926577.0/28

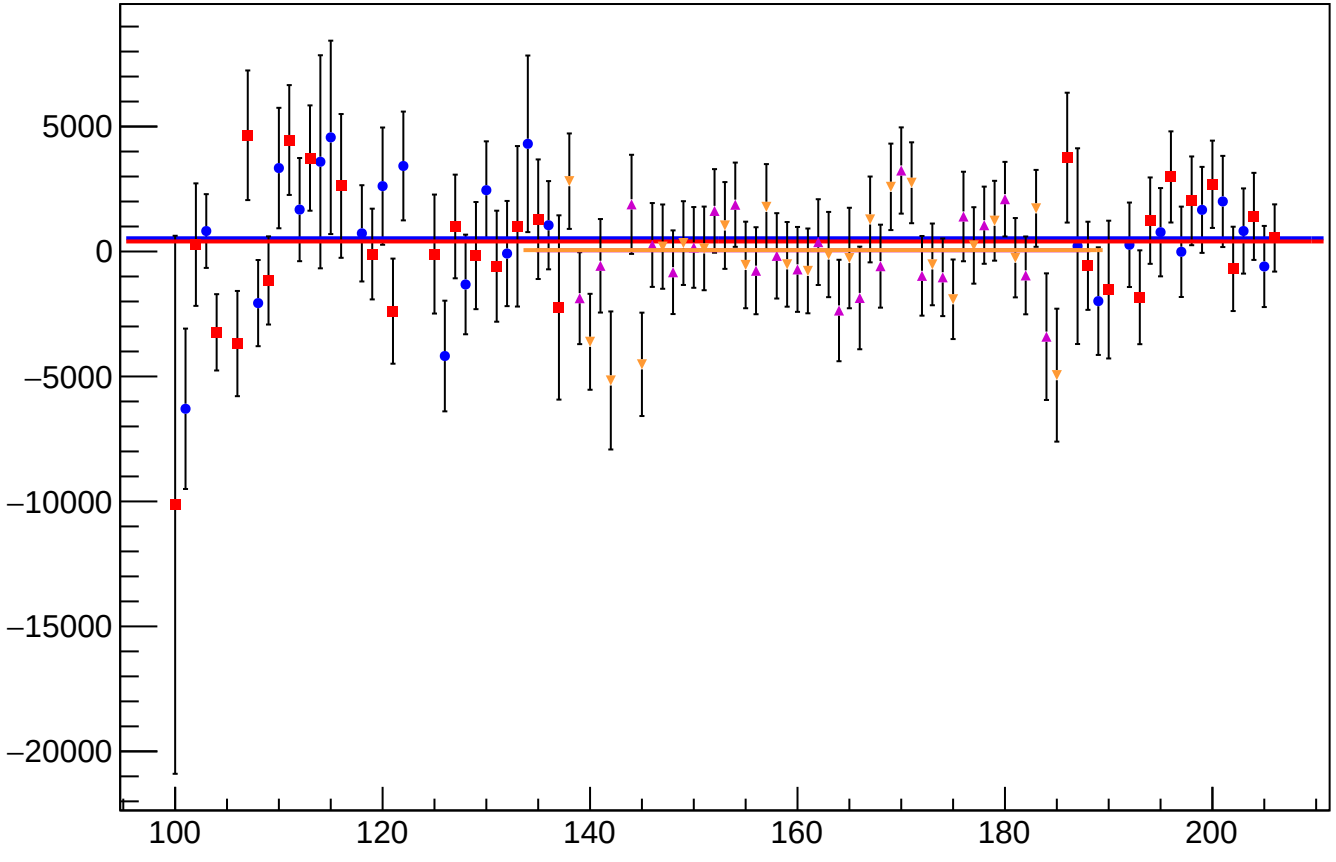
Left In: 0.000+/-0.000 χ^2/NDF:2148796.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 16164477.5/48

All: 0.000+/-0.000 χ^2/NDF: 32369631.7/100

- sign 0.000+/-0.000 χ^2/NDF: 15950694.5/51

reg_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 529.114+/-406.618 χ^2/NDF: 23.4/24

Left Out: 54.770+/-356.375 χ^2/NDF:28.5/23

Right Out: 401.898+/-379.149 χ^2/NDF: 32.7/28

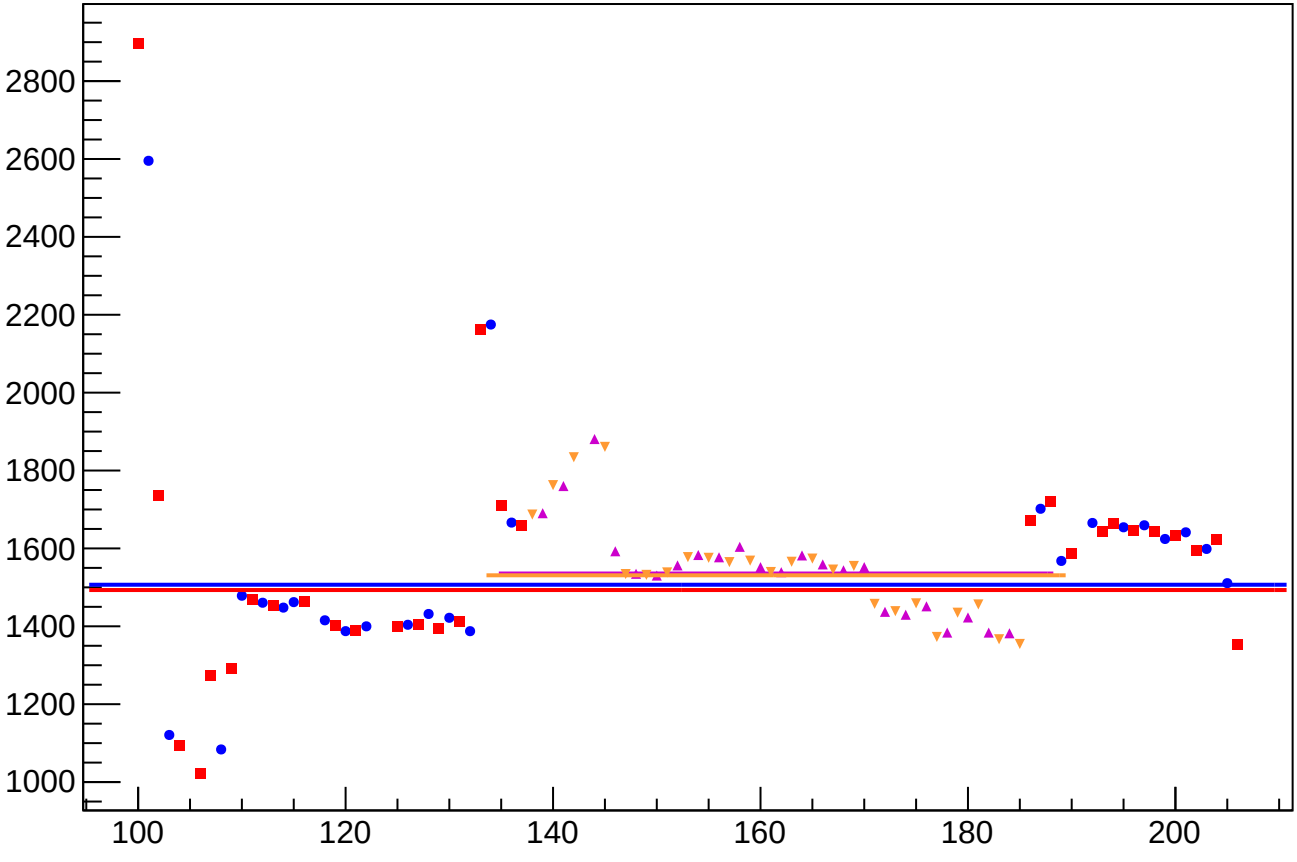
Left In: 48.177+/-359.531 χ^2/NDF:16.8/22

+ sign 260.841+/-268.009 χ^2/NDF: 52.7/48

All: 237.637+/-186.942 χ^2/NDF: 102.6/100

- sign 215.650+/-260.886 χ^2/NDF: 50.0/51

reg_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.740+/-0.288 χ^2/NDF: 687371.1/24

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.8/23

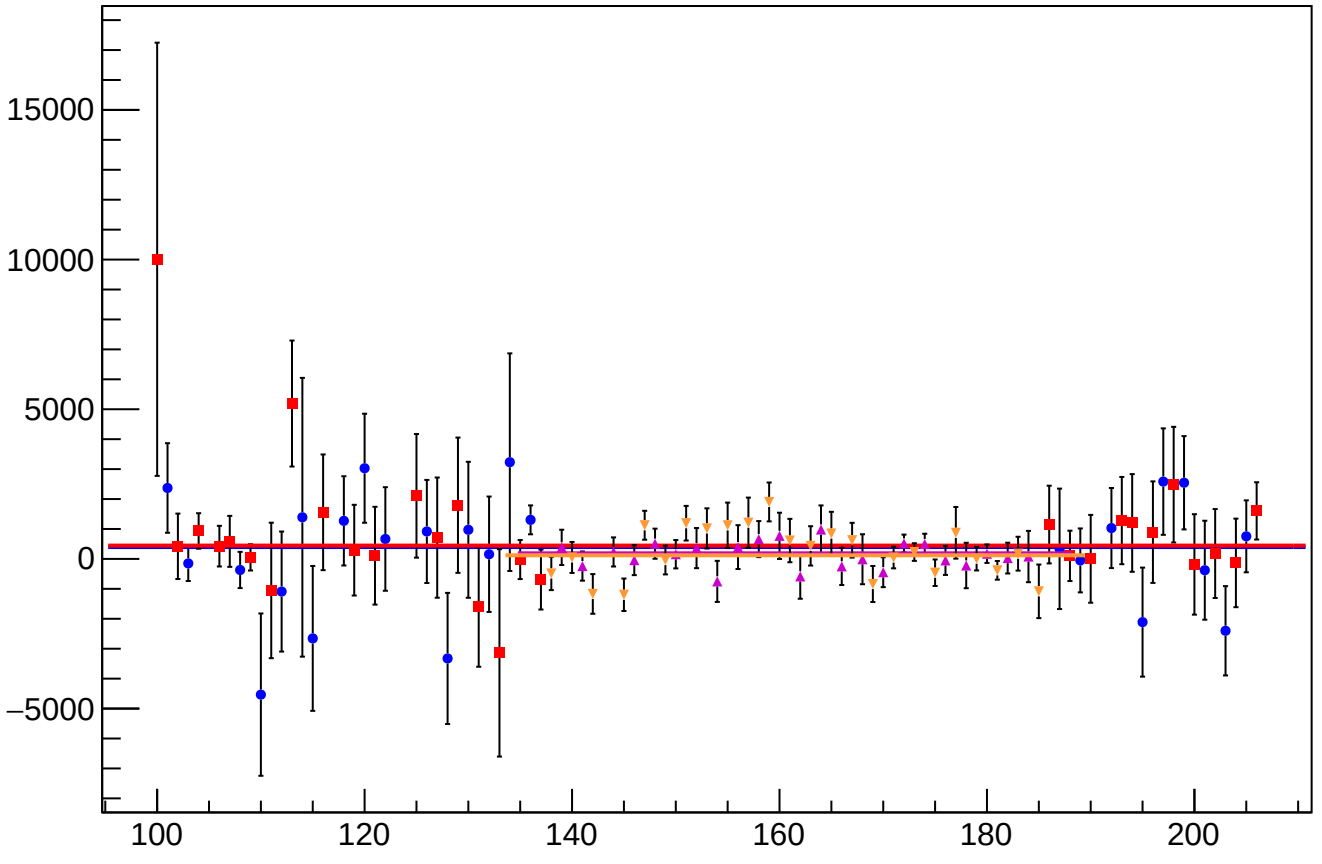
Right Out: 1493.116+/-0.268 χ^2/NDF: 622378.8/28

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1520.447+/-0.190 χ^2/NDF: 894929.2/48

All: 1517.886+/-0.132 χ^2/NDF: 1723287.4/10

- sign 1515.460+/-0.184 χ^2/NDF: 828002.6/51



Right In: 396.541+/-240.037 χ^2/NDF: 28.9/24

Left Out: 121.327+/-105.060 χ^2/NDF:43.6/23

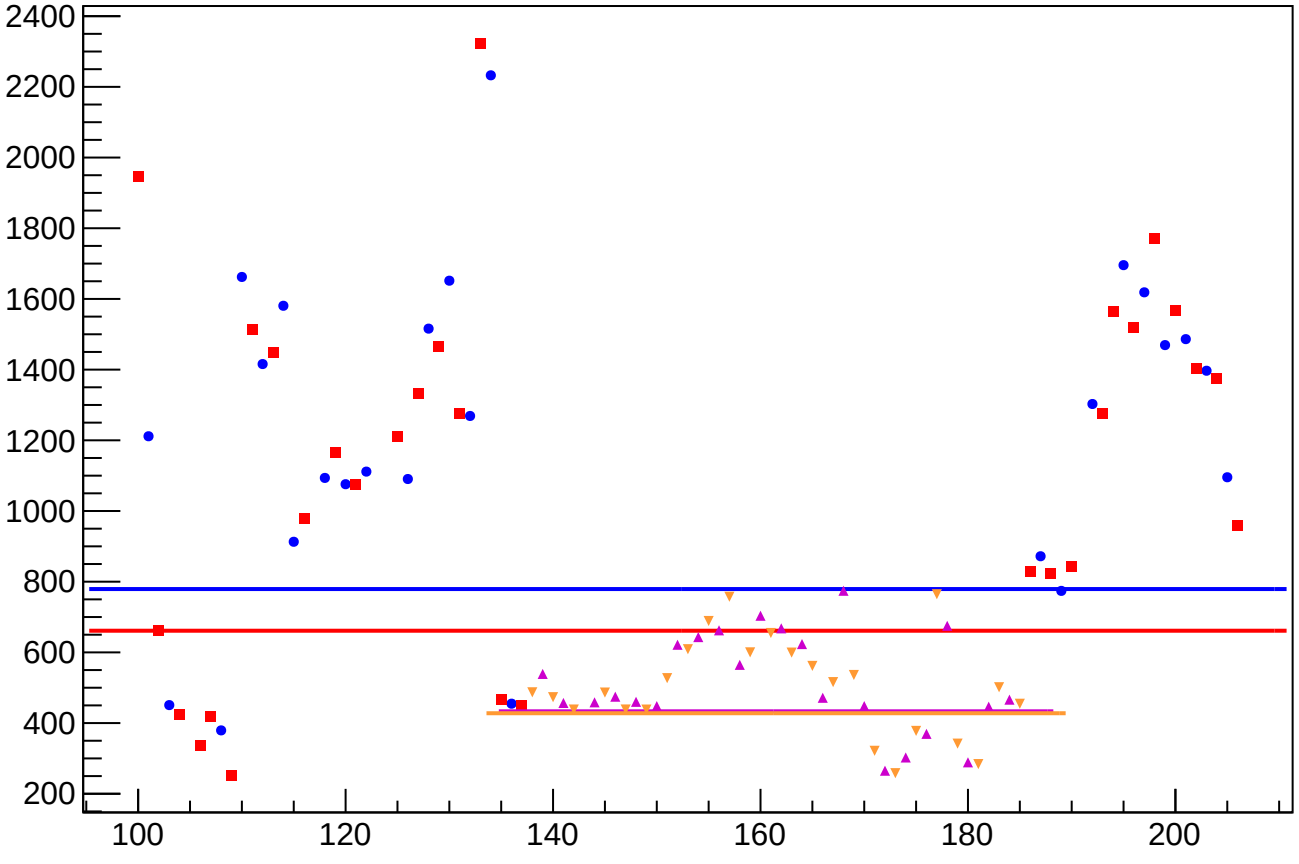
Right Out: 444.968+/-201.636 χ^2/NDF: 18.2/28

Left In: 186.828+/-106.975 χ^2/NDF:11.6/22

+ sign 165.573+/-96.245 χ^2/NDF: 73.6/48

All: 205.263+/-67.430 χ^2/NDF: 105.0/100

- sign 243.527+/-94.500 χ^2/NDF: 31.0/51



Right In: 779.192+/-0.170 χ^2/NDF: 6800172.5/24

Left Out: 427.814+/-0.074 χ^2/NDF:3188159.5/23

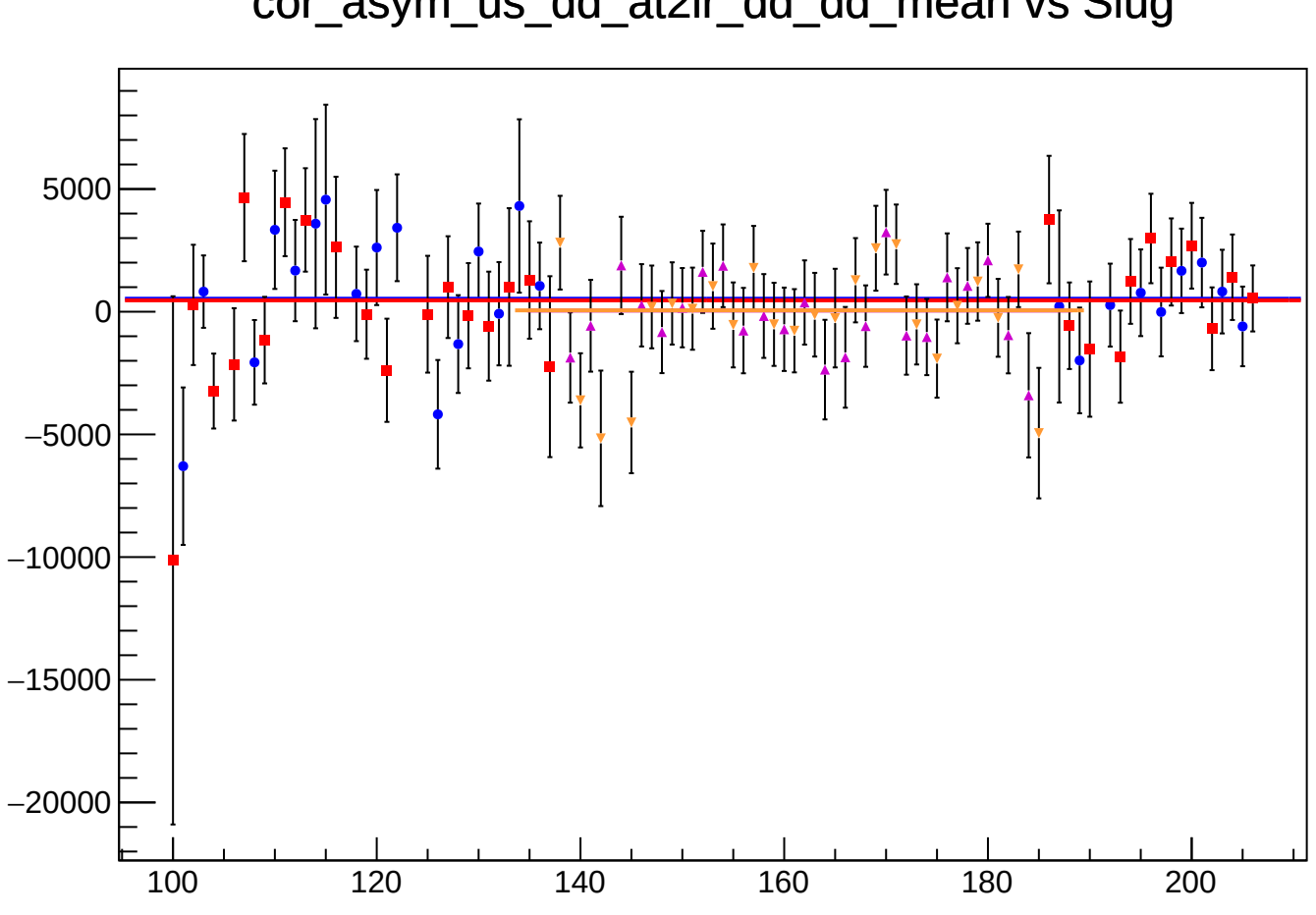
Right Out: 661.284+/-0.143 χ^2/NDF: 9278854.3/28

Left In: 433.283+/-0.076 χ^2/NDF:3247998.9/22

+ sign 484.305+/-0.068 χ^2/NDF: 13585033.3/48

All: 483.825+/-0.048 χ^2/NDF: 28107516.1/10

- sign 483.363+/-0.067 χ^2/NDF: 14522385.3/51



Right In: 529.142+/-406.619 χ^2/NDF: 23.4/24

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 465.000+/-380.104 χ^2/NDF: 30.2/28

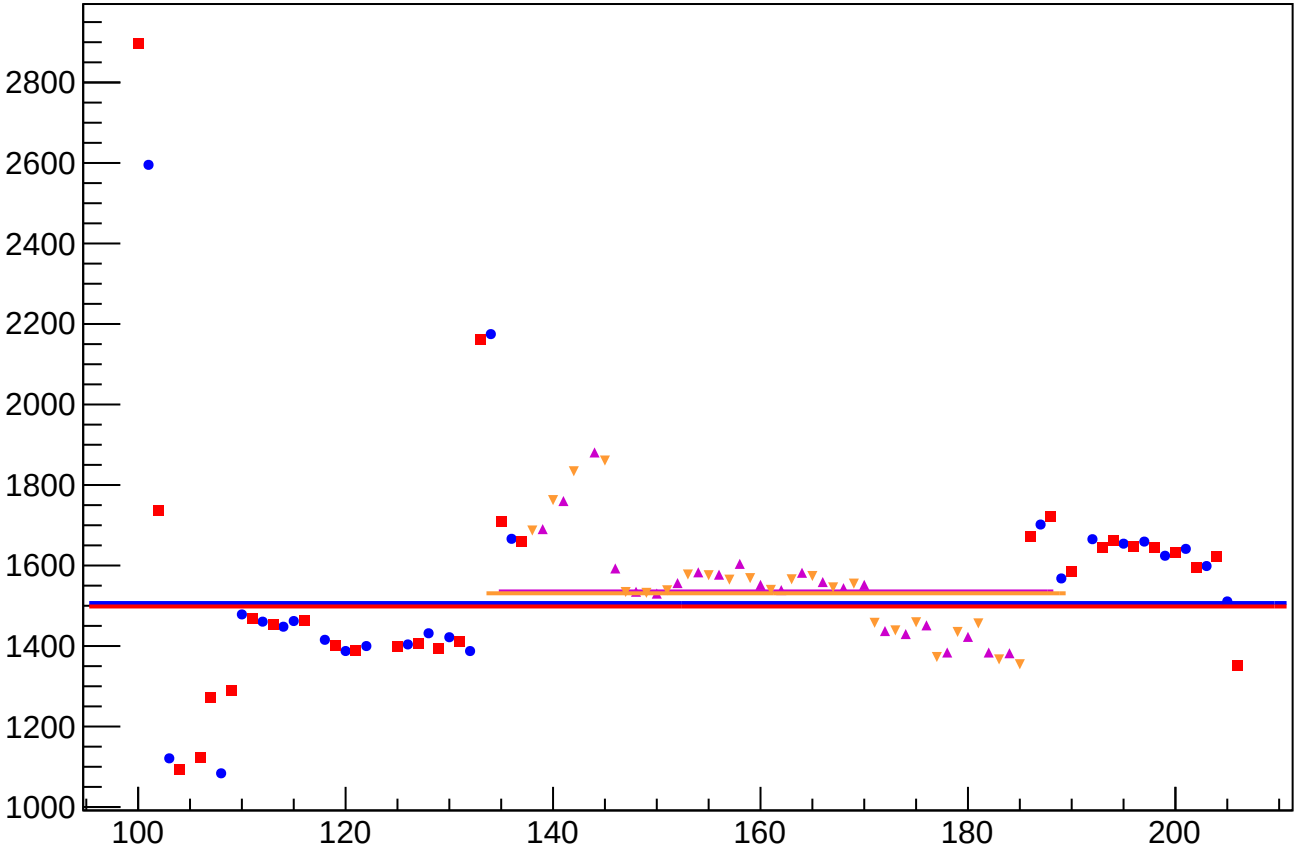
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 260.833+/-268.009 χ^2/NDF: 52.7/48

All: 252.736+/-187.056 χ^2/NDF: 100.3/100

- sign 245.045+/-261.197 χ^2/NDF: 47.6/51

cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.740+/-0.288 χ^2/NDF: 687371.5/24

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

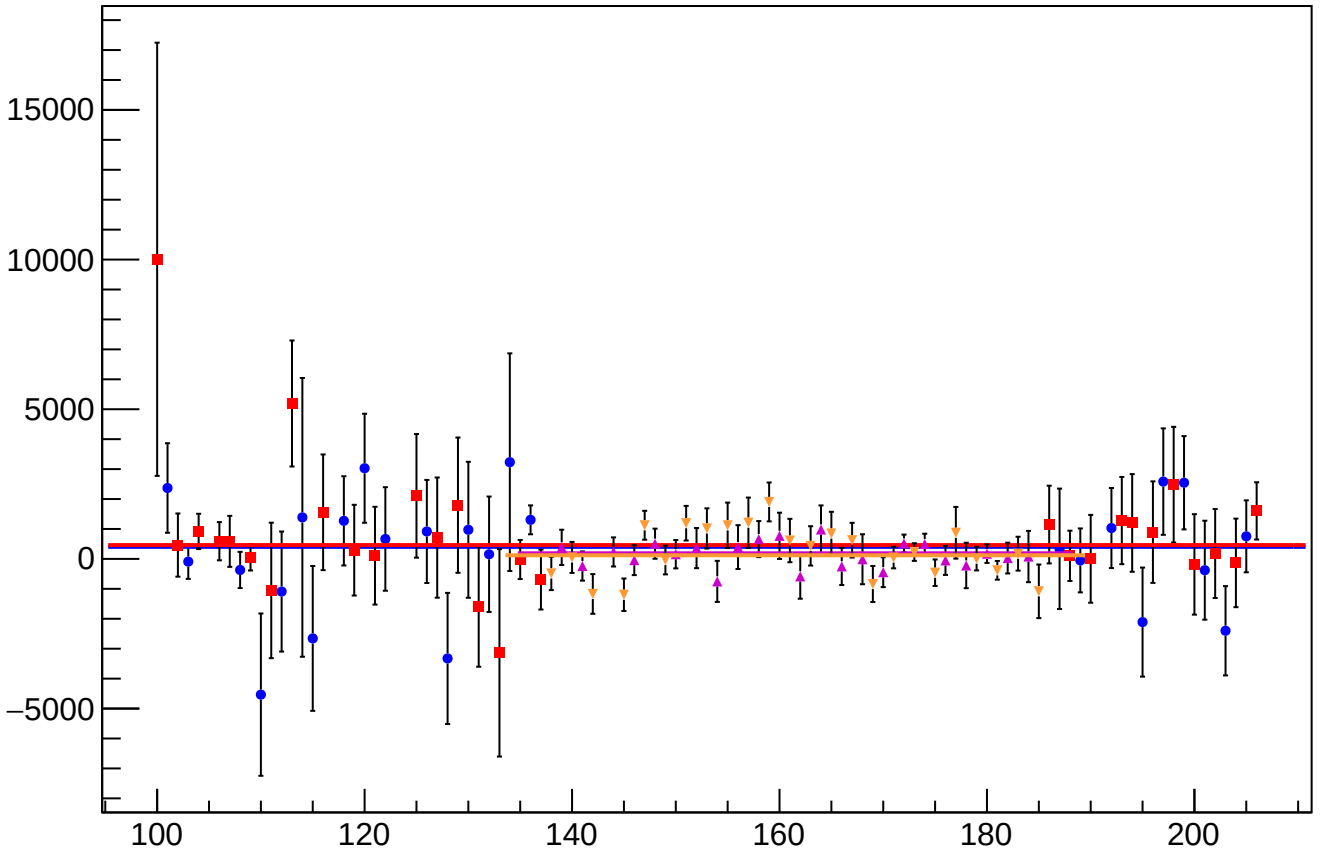
Right Out: 1498.220+/-0.269 χ^2/NDF: 574744.1/28

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1520.447+/-0.190 χ^2/NDF: 894929.5/48

All: 1519.153+/-0.132 χ^2/NDF: 1672379.0/10

- sign 1517.923+/-0.185 χ^2/NDF: 777358.5/51



Right In: 403.344+/-239.259 χ^2/NDF: 28.8/24

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

Right Out: 461.408+/-200.095 χ^2/NDF: 18.2/28

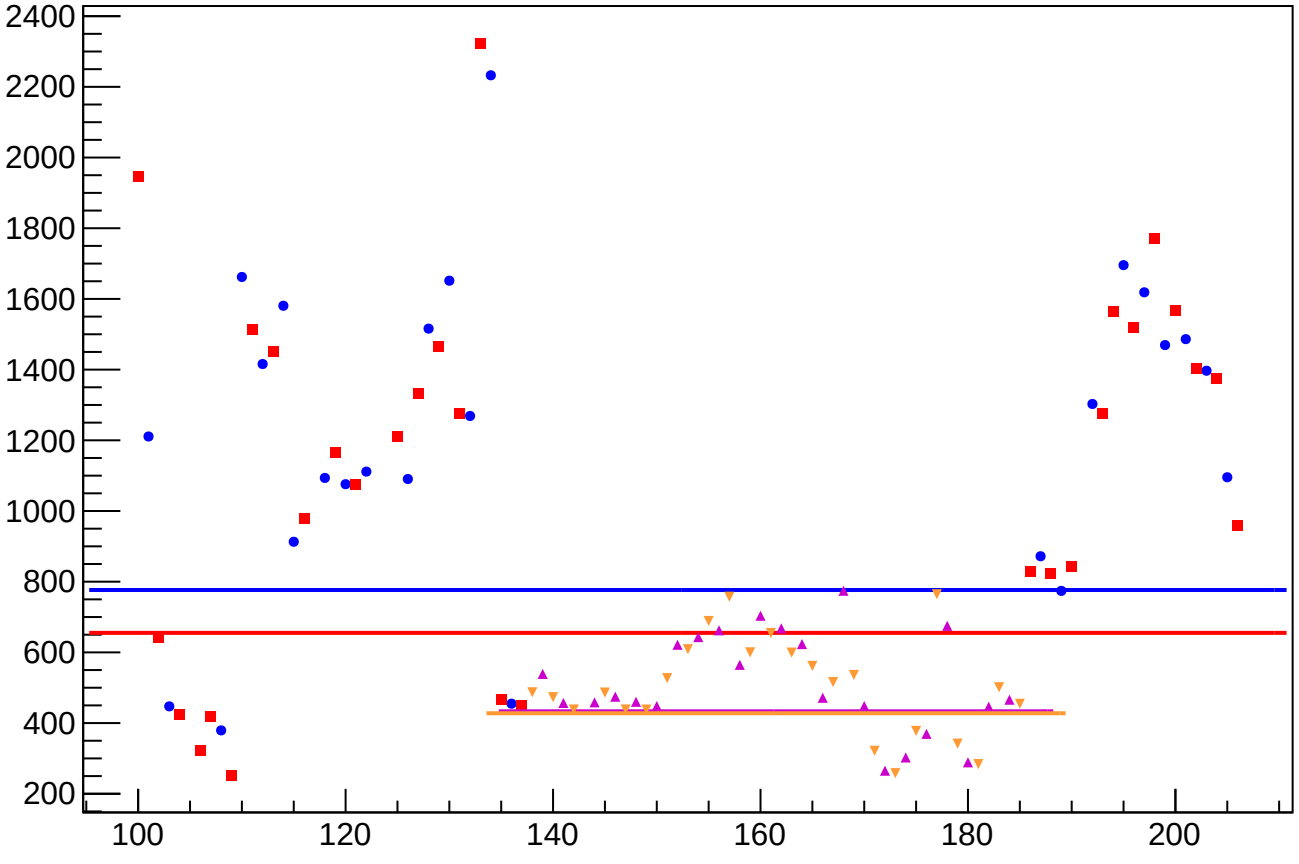
Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 166.913+/-96.195 χ^2/NDF: 73.6/48

All: 208.259+/-67.354 χ^2/NDF: 105.2/100

- sign 248.026+/-94.339 χ^2/NDF: 31.2/51

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs Slug



Right In: 776.453+/-0.169 χ^2/NDF: 6838064.5/24

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

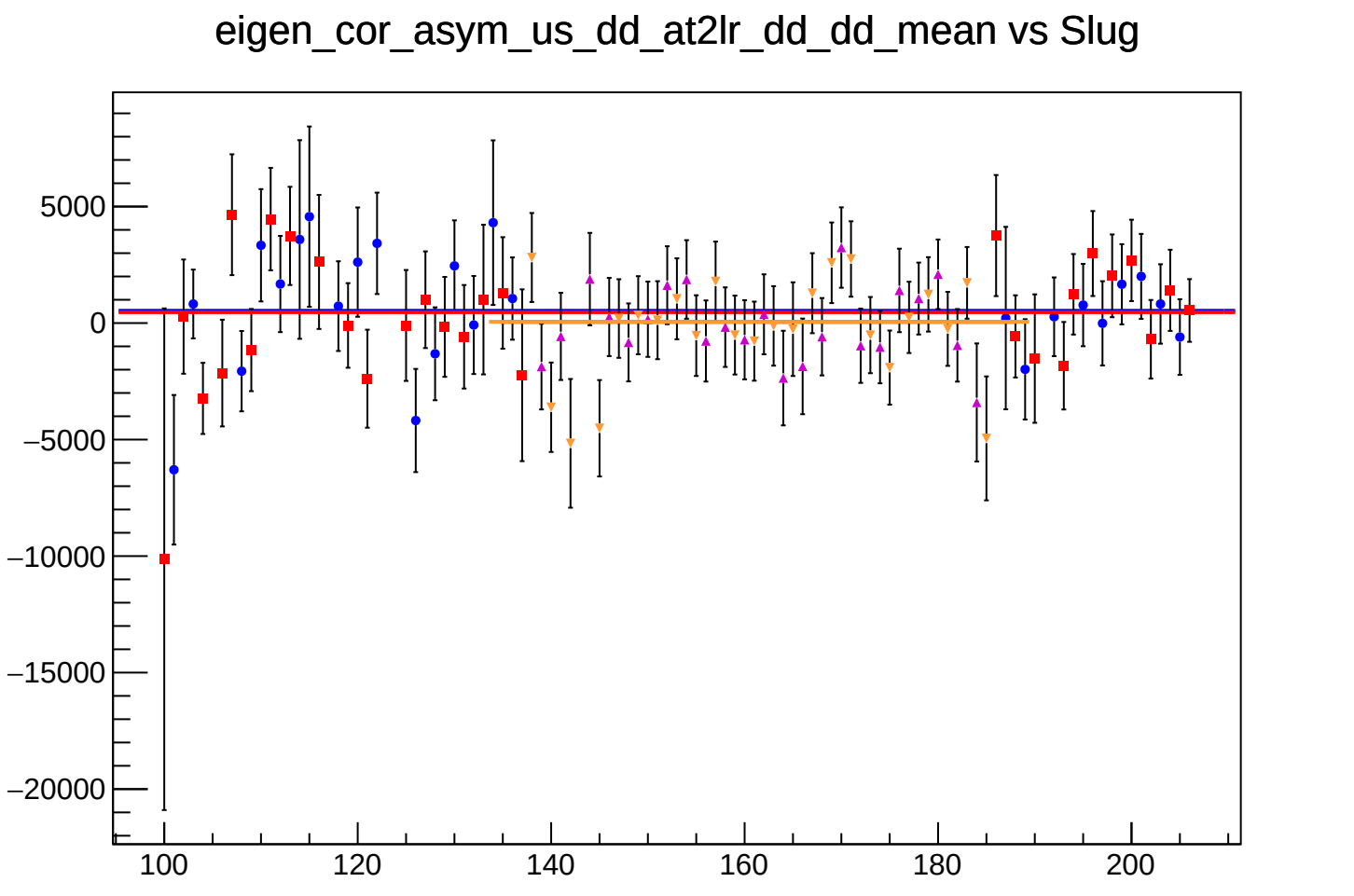
Right Out: 655.203+/-0.141 χ^2/NDF: 9384396.8/28

Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 484.170+/-0.068 χ^2/NDF: 13586642.7/48

All: 483.377+/-0.048 χ^2/NDF: 28132386.6/10

- sign 482.615+/-0.067 χ^2/NDF: 14545477.2/51



Right In: 529.142+/-406.619 χ^2/NDF: 23.4/24

Left Out: 54.734+/-356.375 χ^2/NDF:28.5/23

Right Out: 465.000+/-380.104 χ^2/NDF: 30.2/28

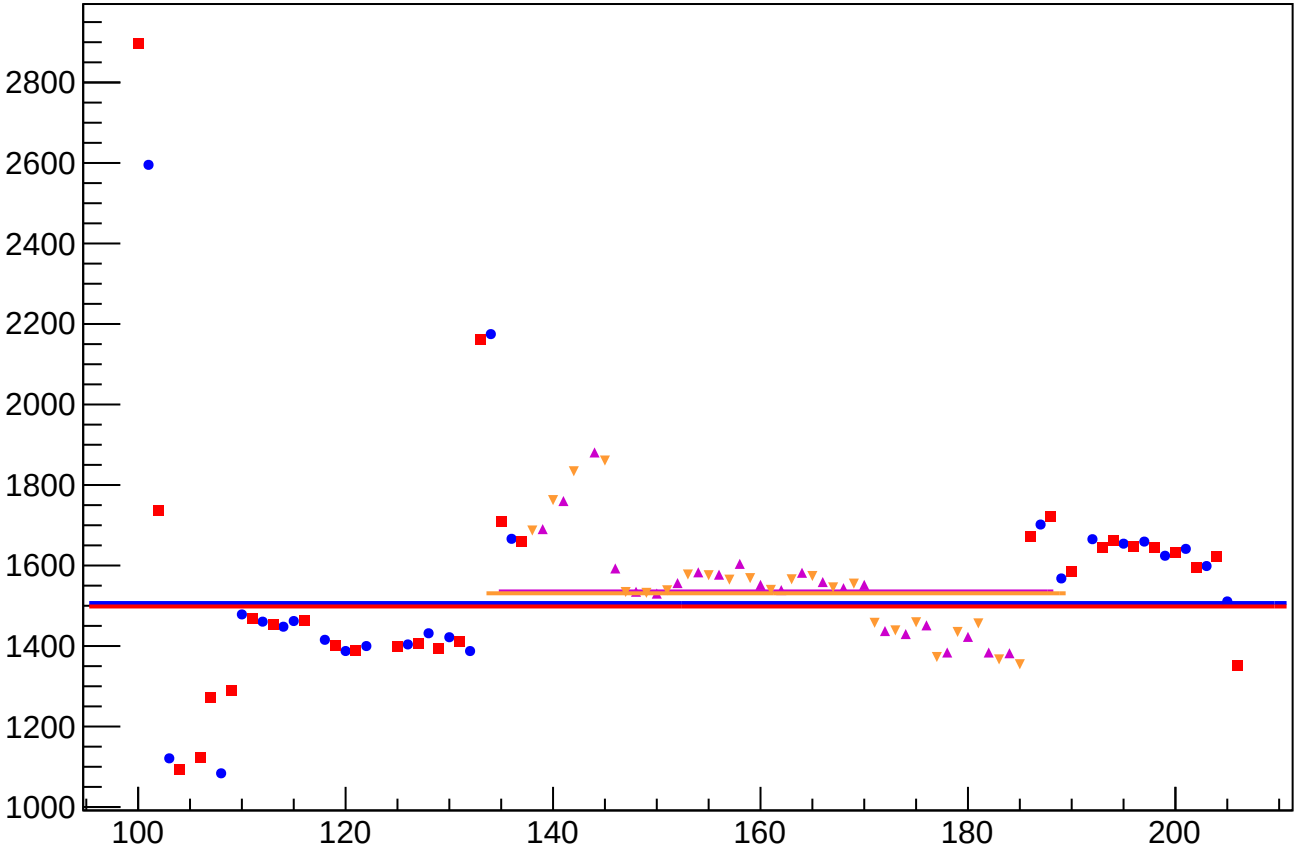
Left In: 48.256+/-359.531 χ^2/NDF:16.8/22

+ sign 260.833+/-268.009 χ^2/NDF: 52.7/48

All: 252.736+/-187.056 χ^2/NDF: 100.3/100

- sign 245.045+/-261.197 χ^2/NDF: 47.6/51

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1506.740+/-0.288 χ^2/NDF: 687371.5/24

Left Out: 1530.976+/-0.252 χ^2/NDF:203539.7/23

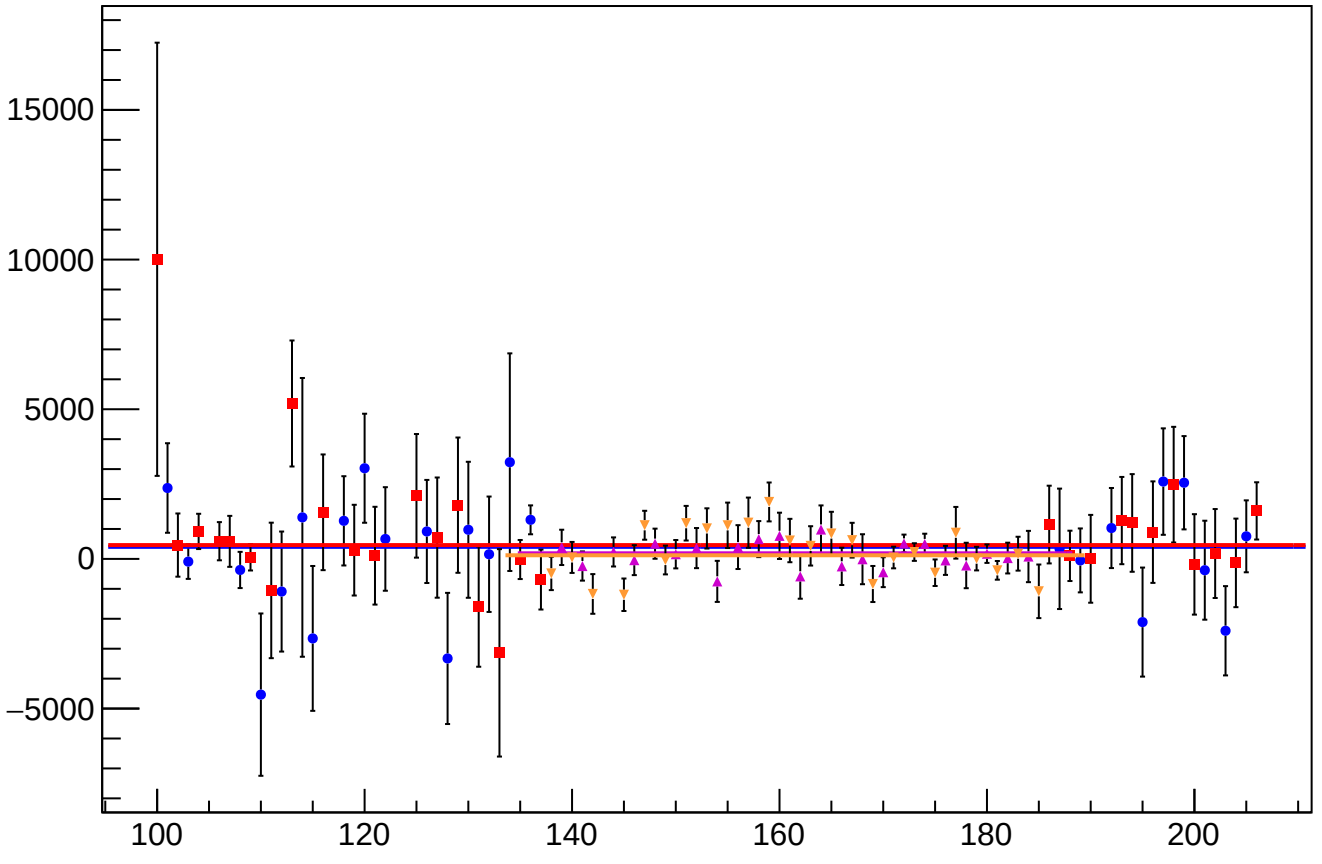
Right Out: 1498.220+/-0.269 χ^2/NDF: 574744.1/28

Left In: 1535.551+/-0.254 χ^2/NDF:192432.7/22

+ sign 1520.447+/-0.190 χ^2/NDF: 894929.5/48

All: 1519.153+/-0.132 χ^2/NDF: 1672379.0/10

- sign 1517.923+/-0.185 χ^2/NDF: 777358.5/51



Right In: 403.344+/-239.259 χ^2/NDF: 28.8/24

Left Out: 121.325+/-105.060 χ^2/NDF:43.7/23

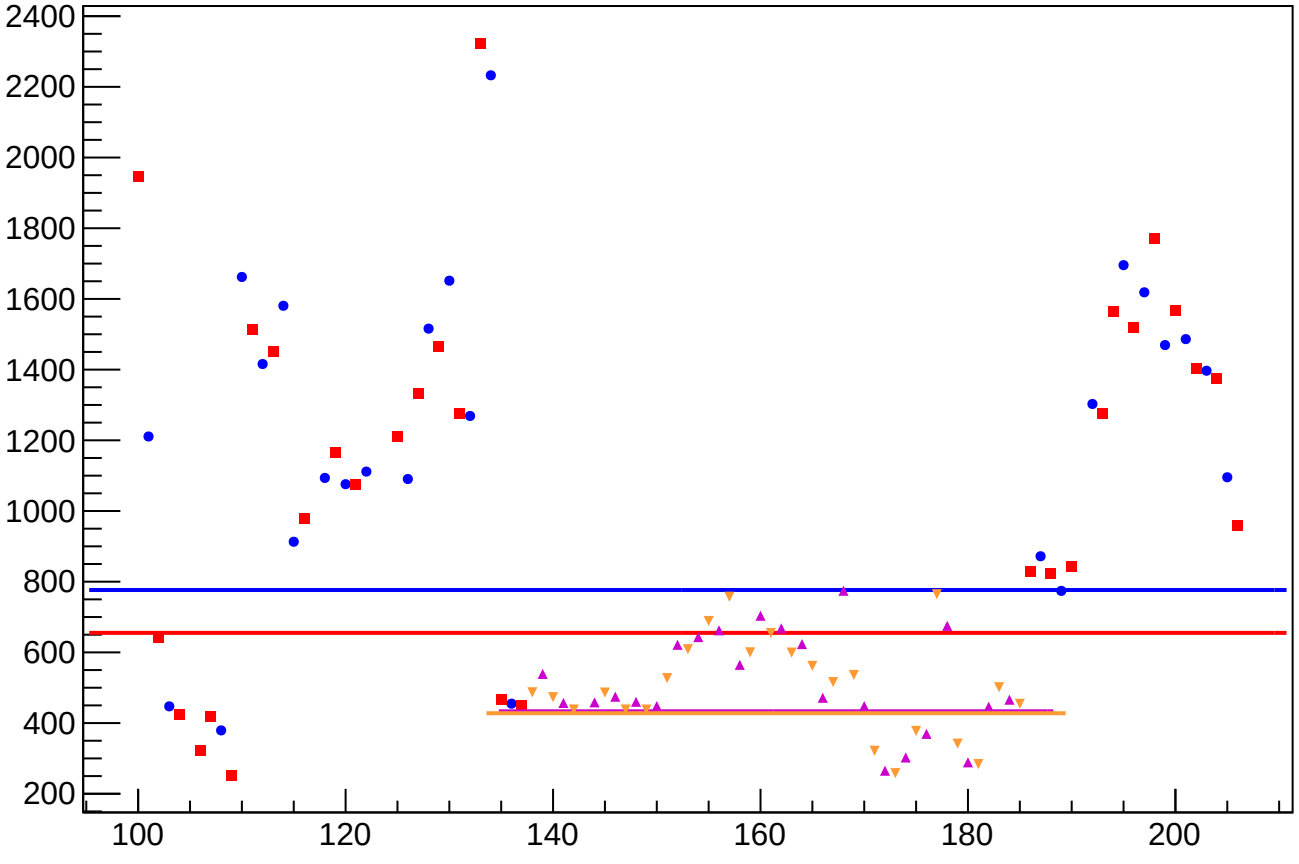
Right Out: 461.408+/-200.095 χ^2/NDF: 18.2/28

Left In: 187.037+/-106.975 χ^2/NDF:11.6/22

+ sign 166.913+/-96.195 χ^2/NDF: 73.6/48

All: 208.259+/-67.354 χ^2/NDF: 105.2/100

- sign 248.026+/-94.339 χ^2/NDF: 31.2/51



Right In: 776.453+/-0.169 χ^2/NDF: 6838064.5/24

Left Out: 427.814+/-0.074 χ^2/NDF:3188396.1/23

Right Out: 655.203+/-0.141 χ^2/NDF: 9384396.8/28

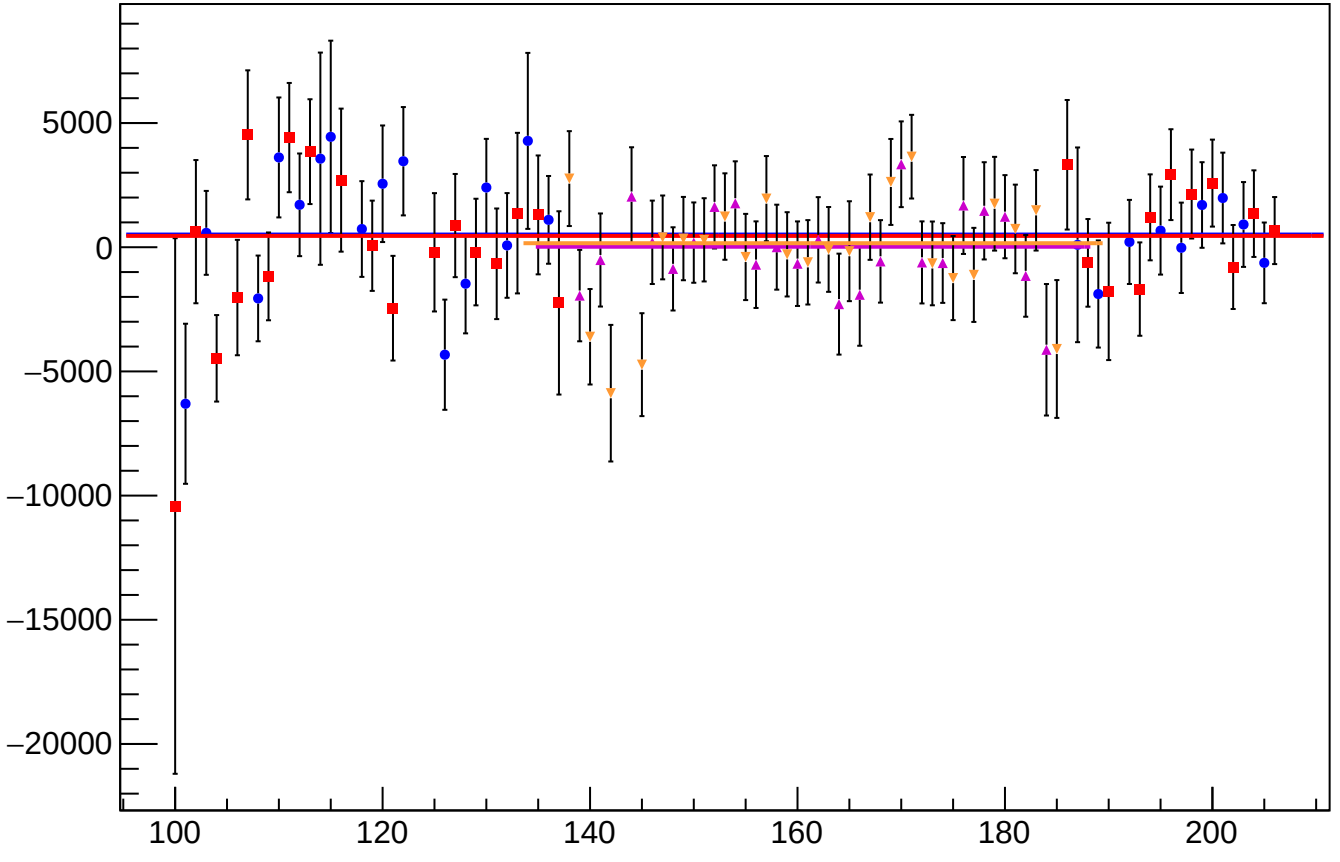
Left In: 433.285+/-0.076 χ^2/NDF:3247871.5/22

+ sign 484.170+/-0.068 χ^2/NDF: 13586642.7/48

All: 483.377+/-0.048 χ^2/NDF: 28132386.6/10

- sign 482.615+/-0.067 χ^2/NDF: 14545477.2/51

dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 509.953+/-411.055 χ^2/NDF: 23.8/24

Left Out: 161.591+/-368.366 χ^2/NDF:29.9/23

Right Out: 456.314+/-385.101 χ^2/NDF: 31.8/28

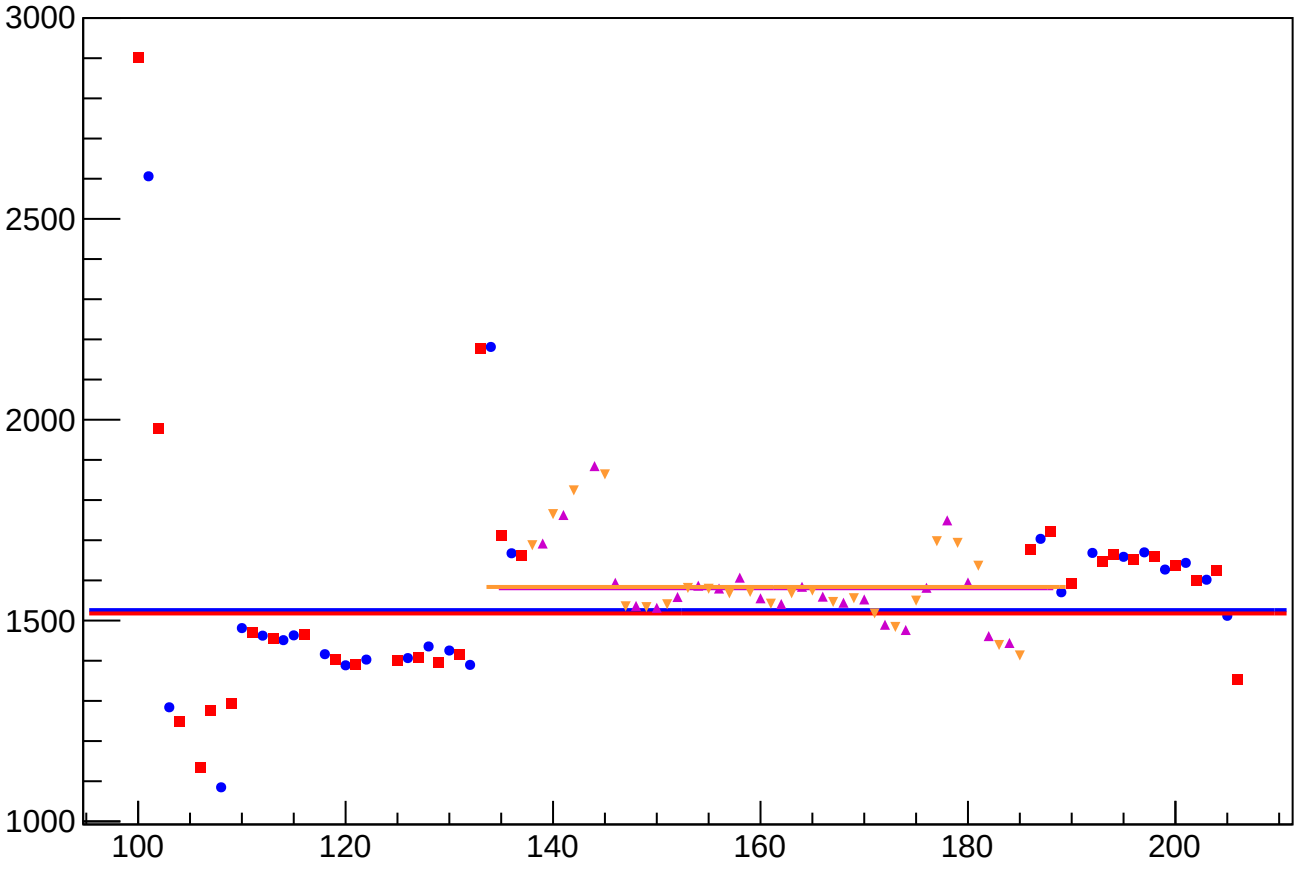
Left In: 20.252+/-369.781 χ^2/NDF:16.0/22

\+ sign 316.749+/-274.329 χ^2/NDF: 54.2/48

All: 271.866+/-191.235 χ^2/NDF: 102.7/100

\- sign 229.437+/-266.726 χ^2/NDF: 48.5/51

dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1526.008+/-0.291 χ^2/NDF: 586571.8/24

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.1/23

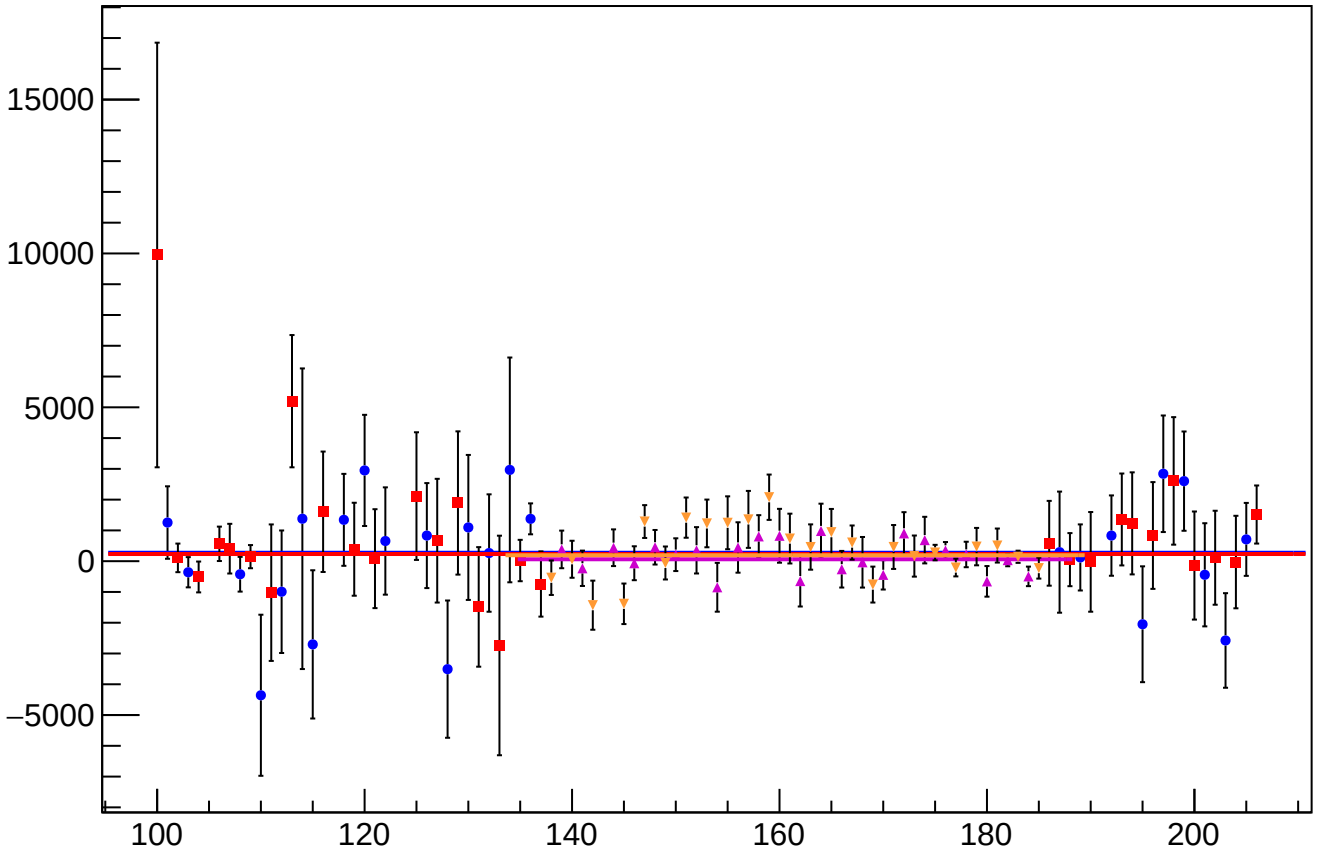
Right Out: 1517.673+/-0.272 χ^2/NDF: 509058.9/28

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1557.990+/-0.194 χ^2/NDF: 741984.1/48

All: 1554.059+/-0.135 χ^2/NDF: 1405252.0/10

- sign 1550.342+/-0.189 χ^2/NDF: 662469.0/51



Right In: 273.622+/-230.139 χ^2/NDF: 29.6/24

Left Out: 193.307+/-95.894 χ^2/NDF:40.1/23

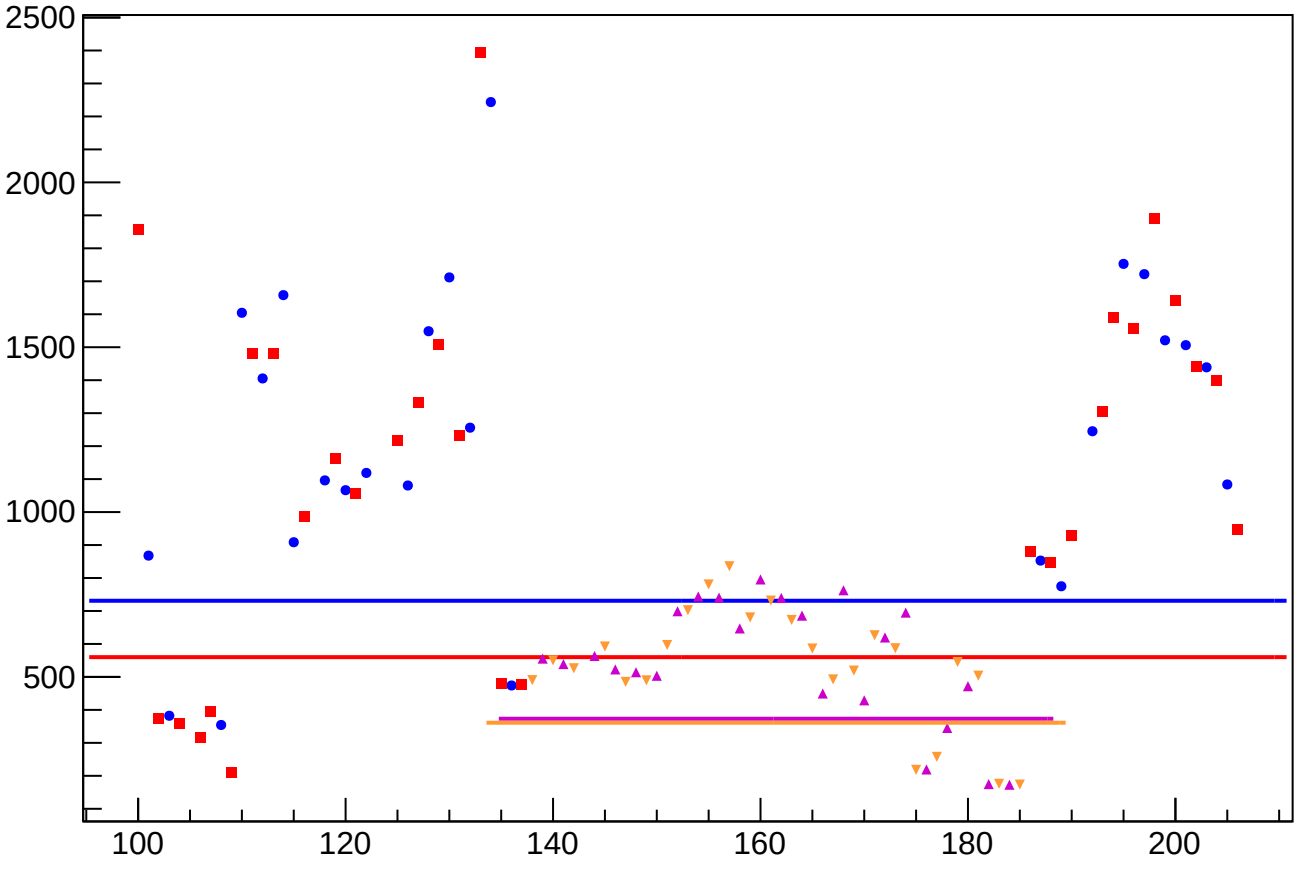
Right Out: 232.826+/-176.788 χ^2/NDF: 19.1/28

Left In: 62.183+/-99.717 χ^2/NDF:17.0/22

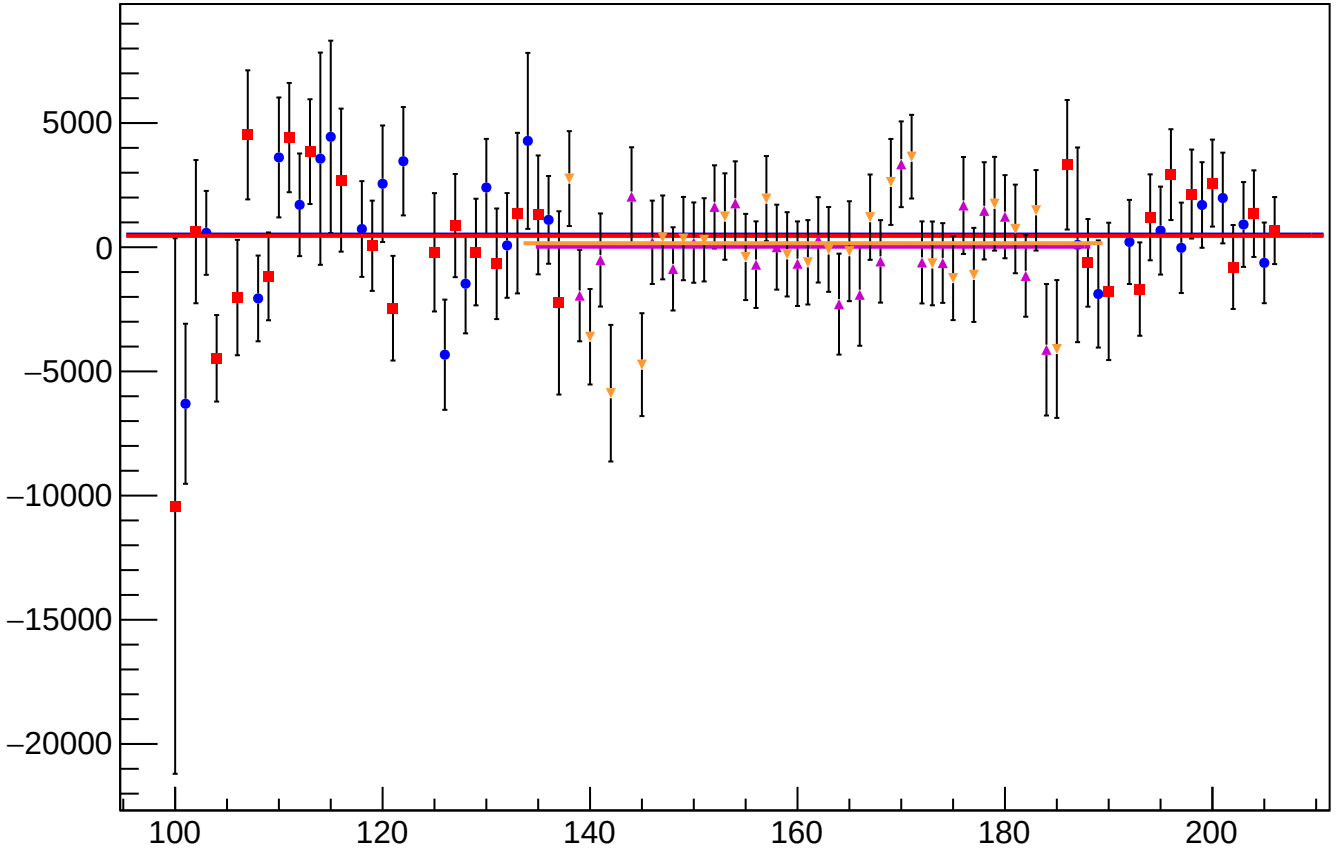
+ sign 205.189+/-88.517 χ^2/NDF: 69.8/48

All: 153.313+/-61.994 χ^2/NDF: 107.3/100

- sign 103.369+/-86.853 χ^2/NDF: 36.8/51


asym_us_dd_at2lr_dd_dd_dit_correction_rms vs Slug
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 731.011+/-0.163 χ²/NDF: 7432287.4/24
Left Out: 361.100+/-0.068 χ²/NDF:8183123.9/23
Right Out: 559.979+/-0.125 χ²/NDF: 11410748.0/28
Left In: 373.140+/-0.071 χ²/NDF:8207354.5/22
+ sign 415.823+/-0.063 χ²/NDF: 20018105.2/48
All: 417.052+/-0.044 χ²/NDF: 41331673.4/10
- sign 418.236+/-0.061 χ²/NDF: 21312810.8/51

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 509.954+/-411.055 χ^2/NDF: 23.8/24

Left Out: 161.587+/-368.366 χ^2/NDF:29.9/23

Right Out: 456.312+/-385.101 χ^2/NDF: 31.8/28

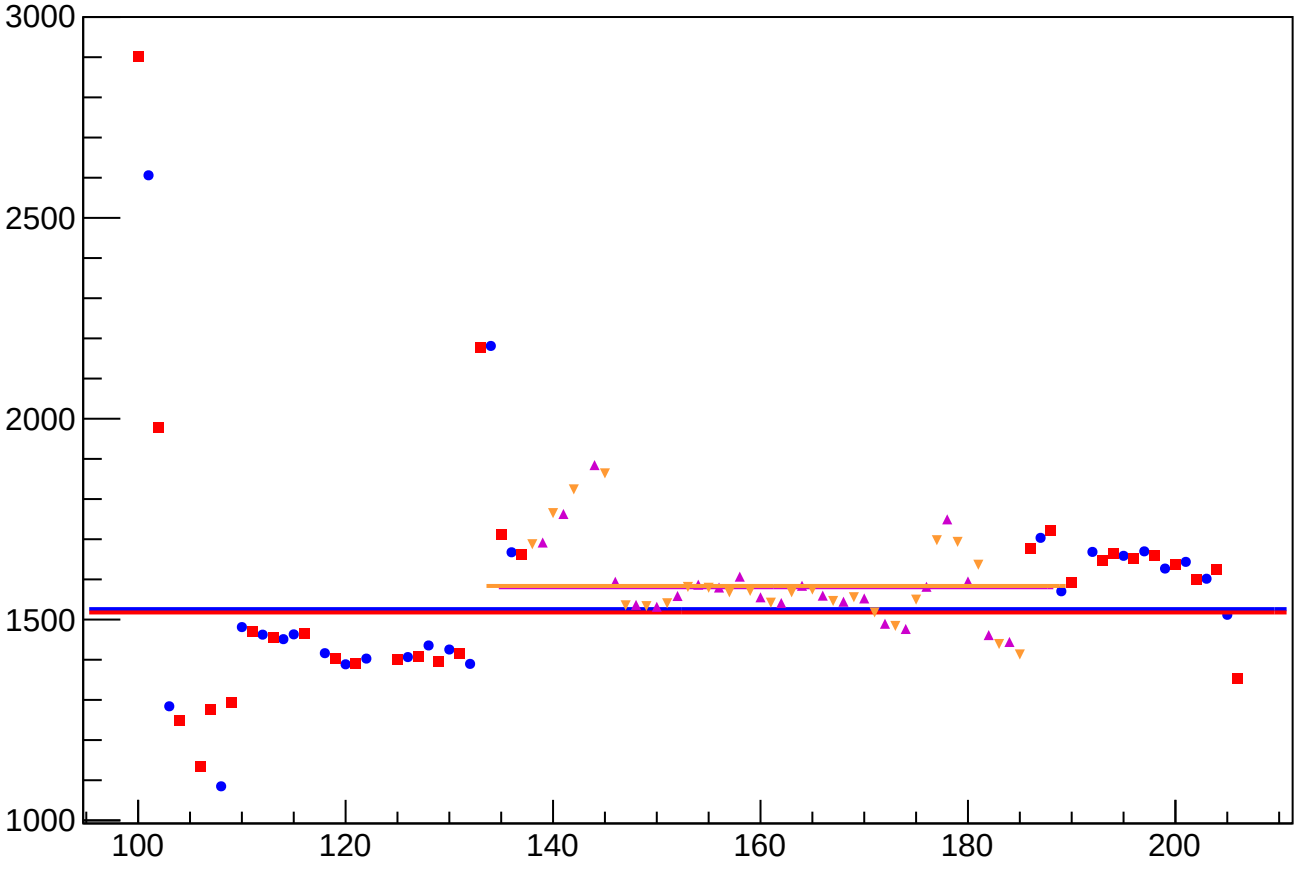
Left In: 20.250+/-369.781 χ^2/NDF:16.0/22

\+ sign 316.748+/-274.329 χ^2/NDF: 54.2/48

All: 271.864+/-191.235 χ^2/NDF: 102.7/100

\- sign 229.435+/-266.726 χ^2/NDF: 48.5/51

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1526.008+/-0.291 χ^2/NDF: 586571.2/24

Left Out: 1583.673+/-0.260 χ^2/NDF:133583.3/23

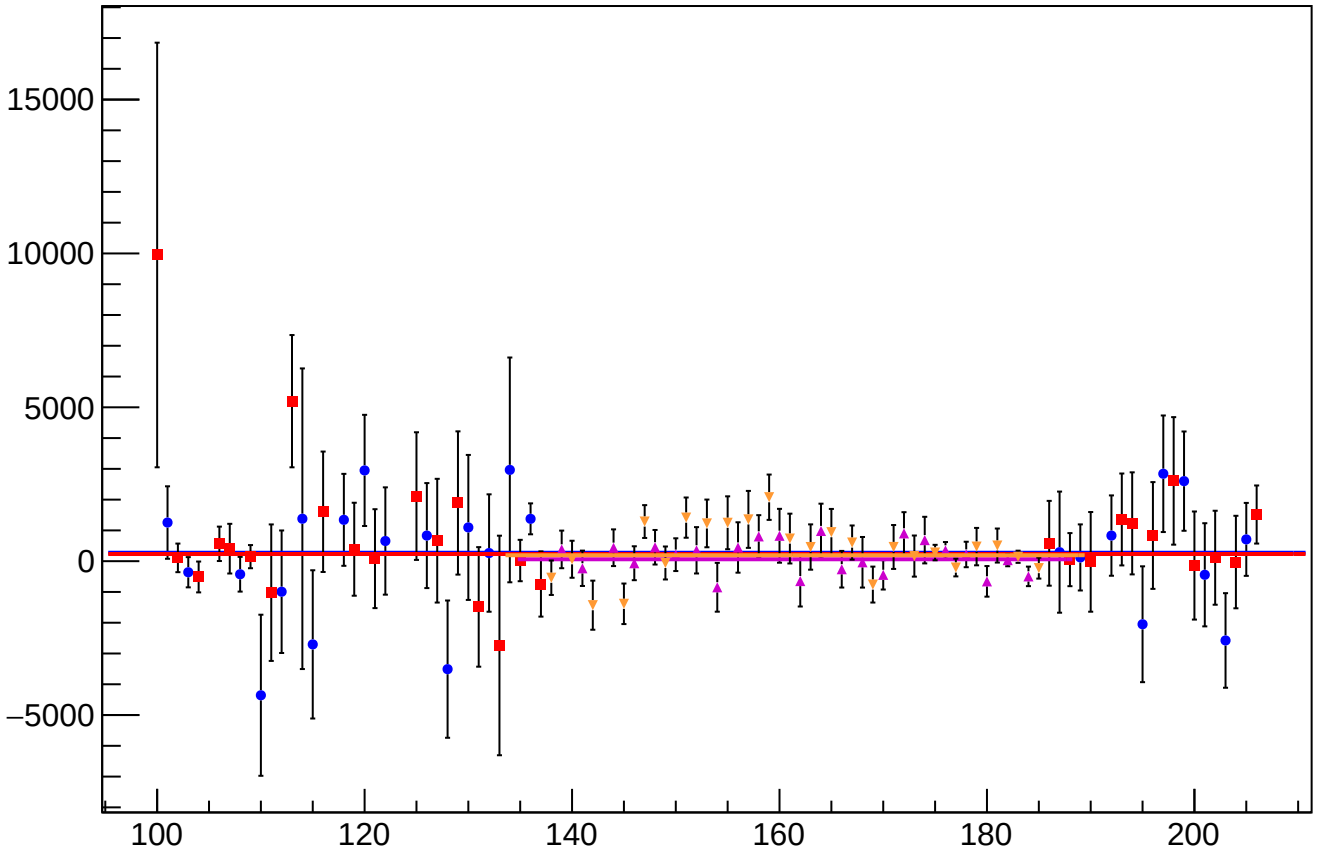
Right Out: 1517.673+/-0.272 χ^2/NDF: 509058.8/28

Left In: 1580.464+/-0.261 χ^2/NDF:125745.6/22

+ sign 1557.989+/-0.194 χ^2/NDF: 741983.5/48

All: 1554.058+/-0.135 χ^2/NDF: 1405251.2/10

- sign 1550.342+/-0.189 χ^2/NDF: 662468.7/51



Right In: 273.616+/-230.139 χ^2/NDF: 29.6/24

Left Out: 193.312+/-95.894 χ^2/NDF:40.1/23

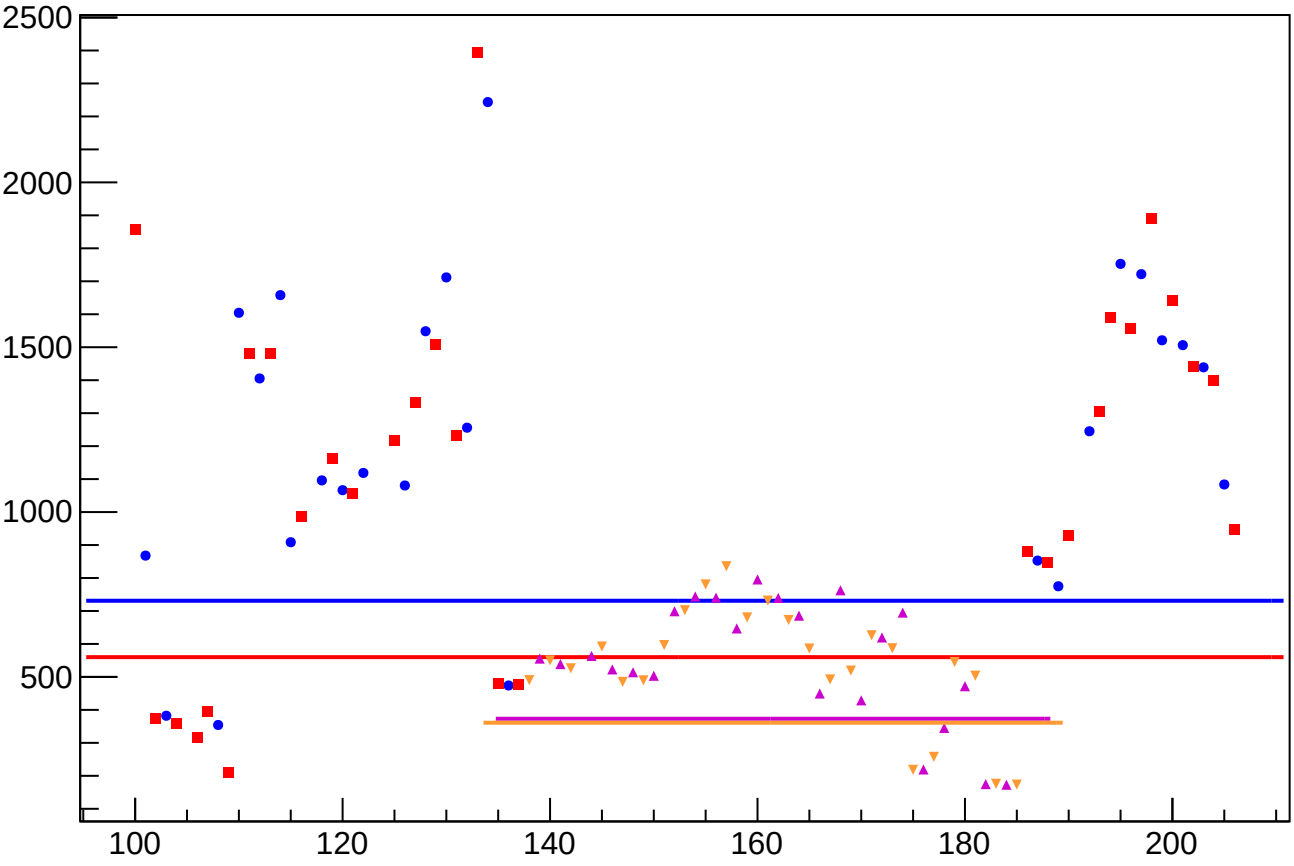
Right Out: 232.825+/-176.789 χ^2/NDF: 19.1/28

Left In: 62.181+/-99.718 χ^2/NDF:17.0/22

+ sign 205.192+/-88.517 χ^2/NDF: 69.8/48

All: 153.314+/-61.995 χ^2/NDF: 107.3/100

- sign 103.368+/-86.854 χ^2/NDF: 36.8/51


asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs Slug
2500
2000
1500
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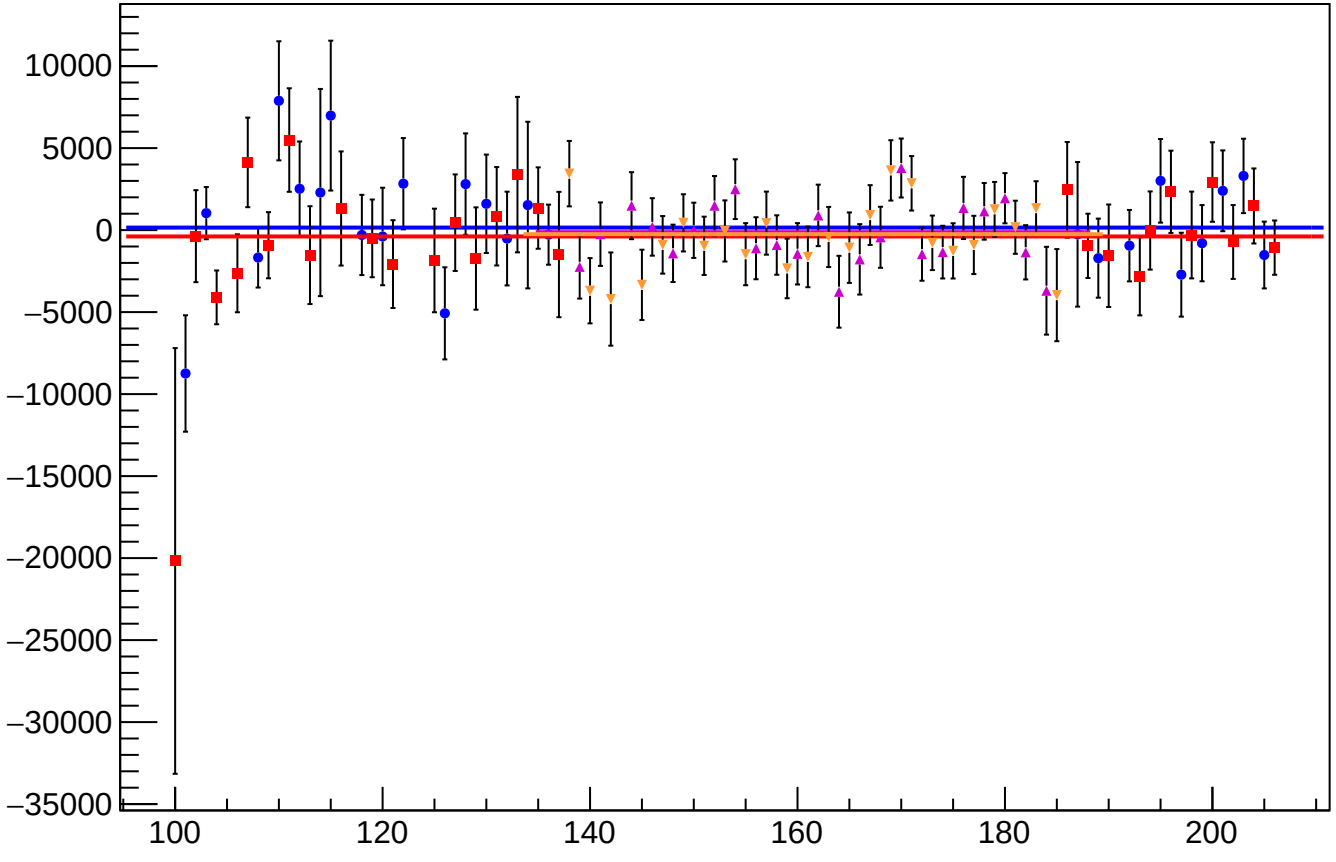
120
140
160
180
200
Right In: 731.009+/-0.163 χ²/NDF: 7432323.1/24
Left Out: 361.103+/-0.068 χ²/NDF:8182968.2/23
Right Out: 559.986+/-0.125 χ²/NDF: 11410579.2/28
Left In: 373.145+/-0.071 χ²/NDF:8207110.6/22
+ sign 415.826+/-0.063 χ²/NDF: 20017856.6/48
All: 417.057+/-0.044 χ²/NDF: 41331020.5/10
- sign 418.241+/-0.061 χ²/NDF: 21312405.4/51

asym_us_dd_at2lr_dd_dd_mean vs Slug



Right In: 153.802+/-514.405 χ^2/NDF: 27.7/24

Left Out: -247.110+/-378.224 χ^2/NDF:26.0/23

Right Out: -387.337+/-474.700 χ^2/NDF: 23.4/28

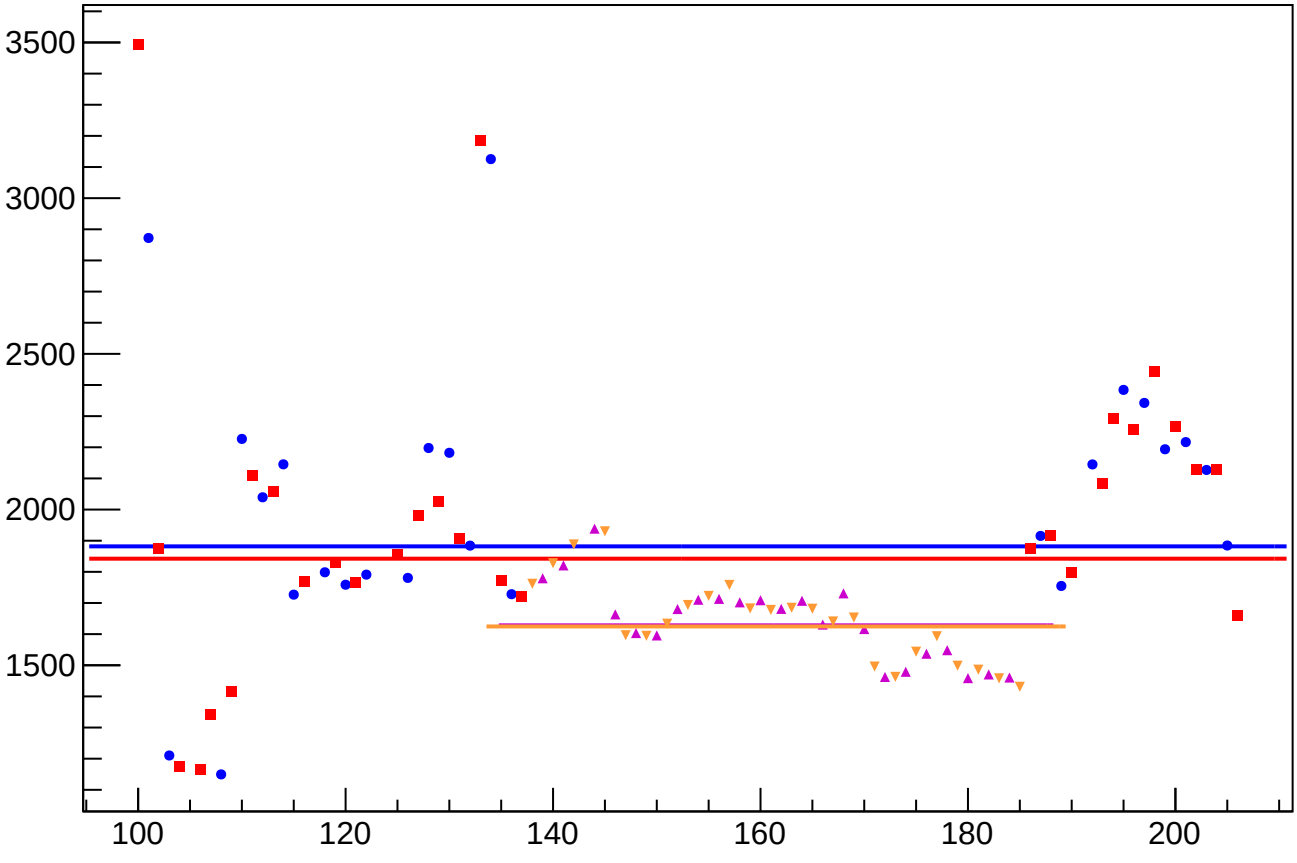
Left In: -126.114+/-381.305 χ^2/NDF:21.2/22

+ sign -106.426+/-304.721 χ^2/NDF: 54.2/48

All: -169.003+/-212.789 χ^2/NDF: 99.0/100

- sign -228.560+/-297.277 χ^2/NDF: 44.8/51

asym_us_dd_at2lr_dd_dd_rms vs Slug



Right In: 1881.818+/-0.364 χ^2/NDF: 1320930.7/24

Left Out: 1624.614+/-0.267 χ^2/NDF:207257.7/23

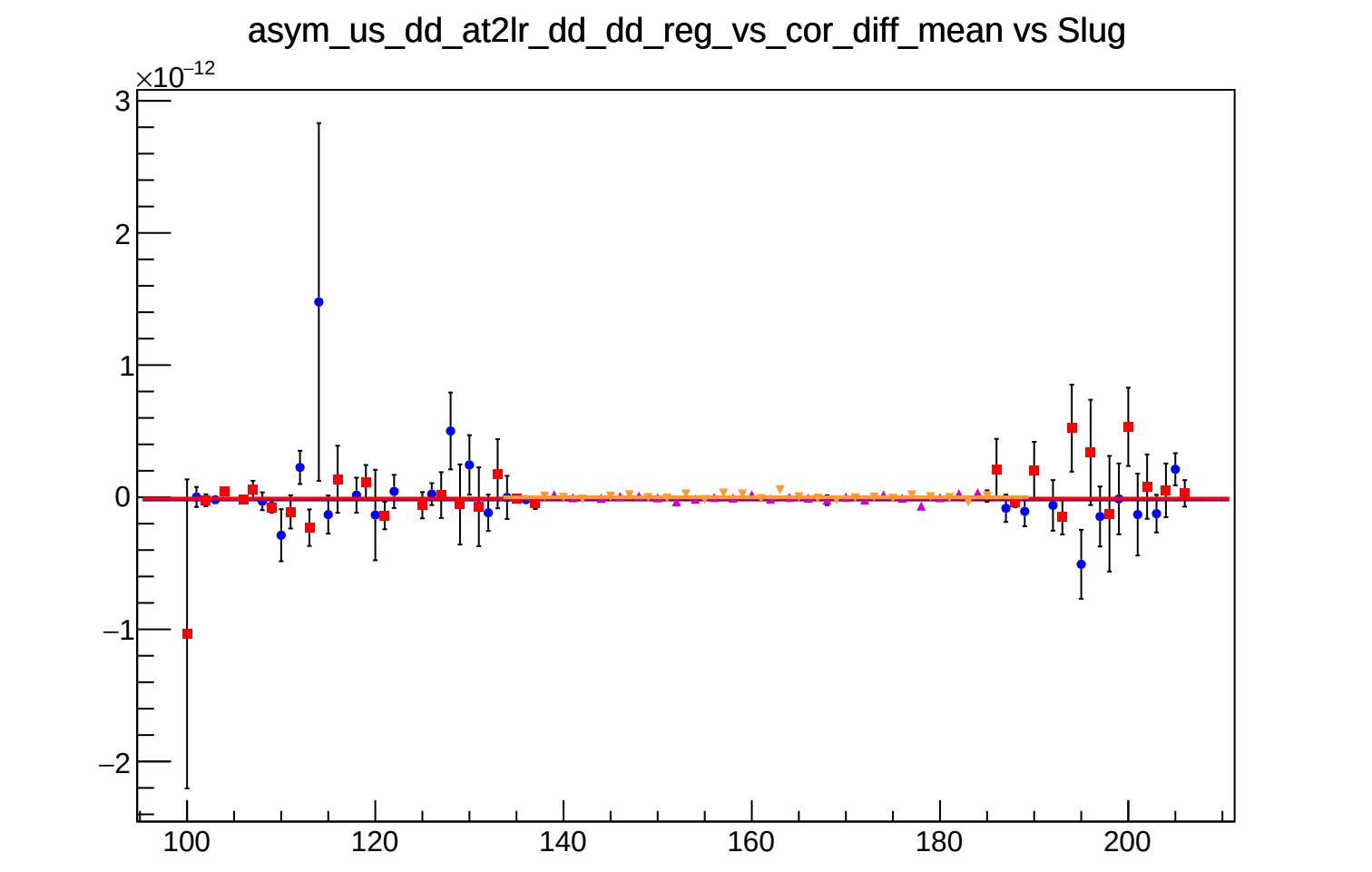
Right Out: 1842.264+/-0.336 χ^2/NDF: 1288150.6/28

Left In: 1628.221+/-0.270 χ^2/NDF:204880.6/22

+ sign 1714.869+/-0.215 χ^2/NDF: 1852736.3/48

All: 1713.483+/-0.150 χ^2/NDF: 3593004.1/10

- sign 1712.164+/-0.210 χ^2/NDF: 1740187.1/51



Right In: -0.000+/-0.000 χ^2/NDF: 22.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.6/23

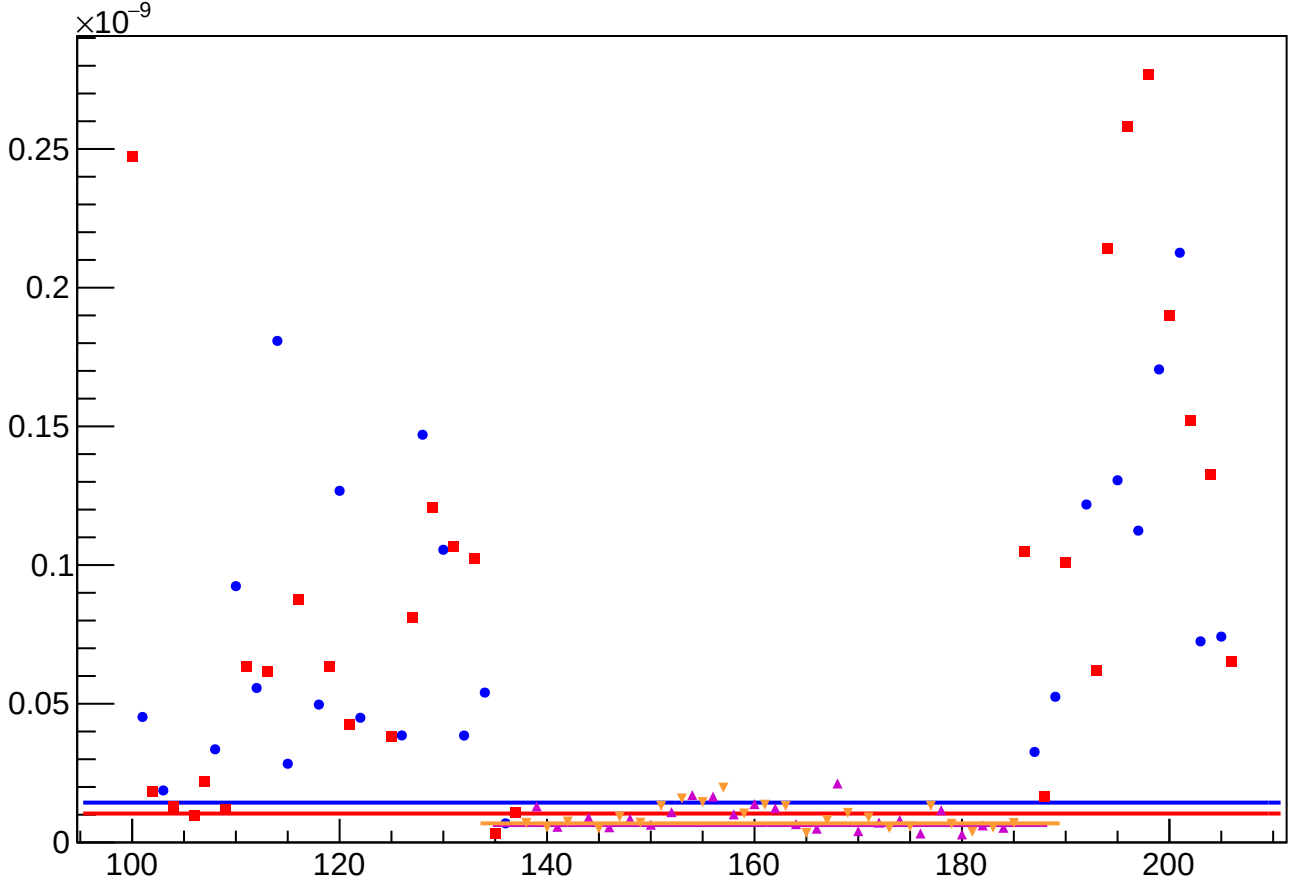
Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/28

Left In: -0.000+/-0.000 χ^2/NDF:24.2/22

\+ sign -0.000+/-0.000 χ^2/NDF: 47.8/48

All: -0.000+/-0.000 χ^2/NDF: 100.1/100

\- sign -0.000+/-0.000 χ^2/NDF: 52.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 7536669.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2256547.8/23

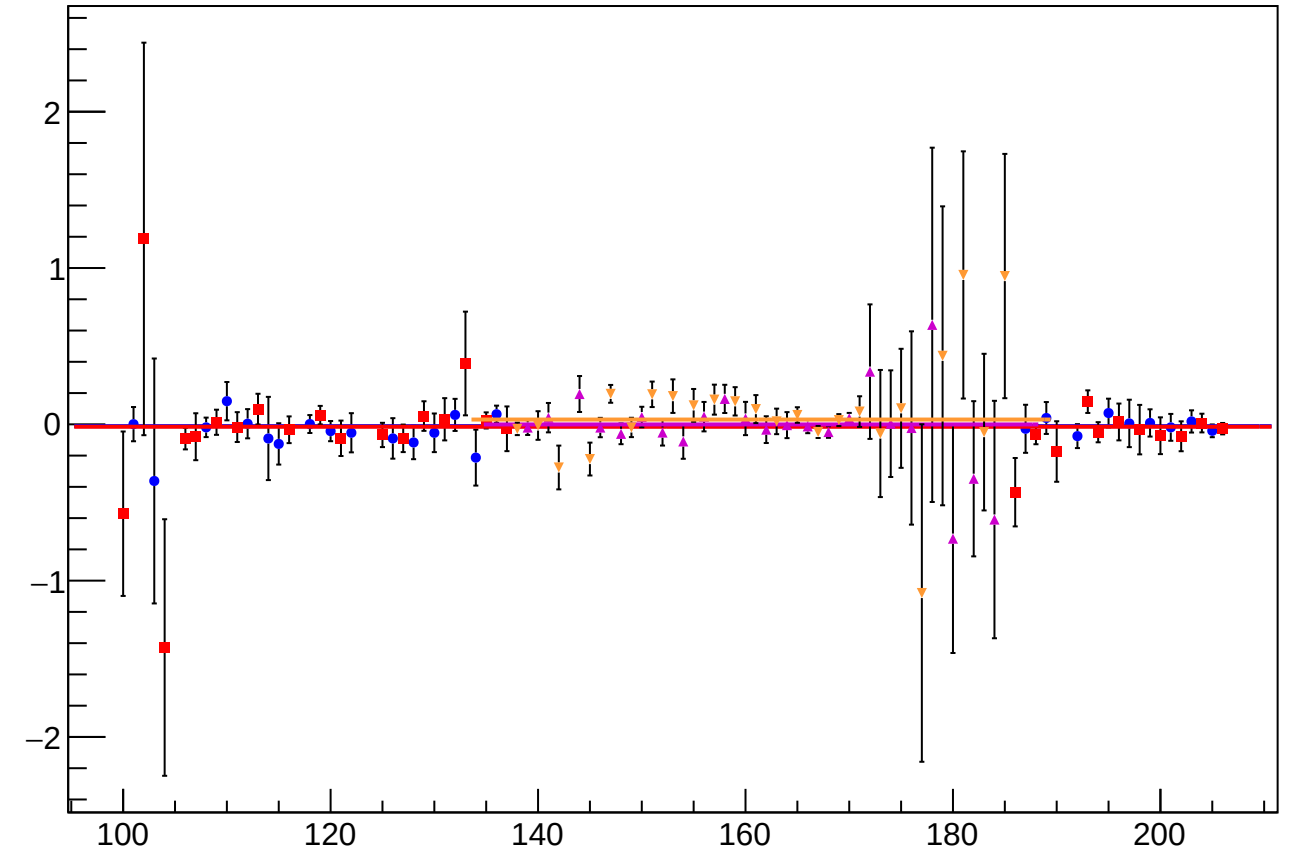
Right Out: 0.000+/-0.000 χ^2/NDF: 9695829.8/28

Left In: 0.000+/-0.000 χ^2/NDF:2888385.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 10811596.0/48

All: 0.000+/-0.000 χ^2/NDF: 23917809.9/100

- sign 0.000+/-0.000 χ^2/NDF: 13024363.2/51



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

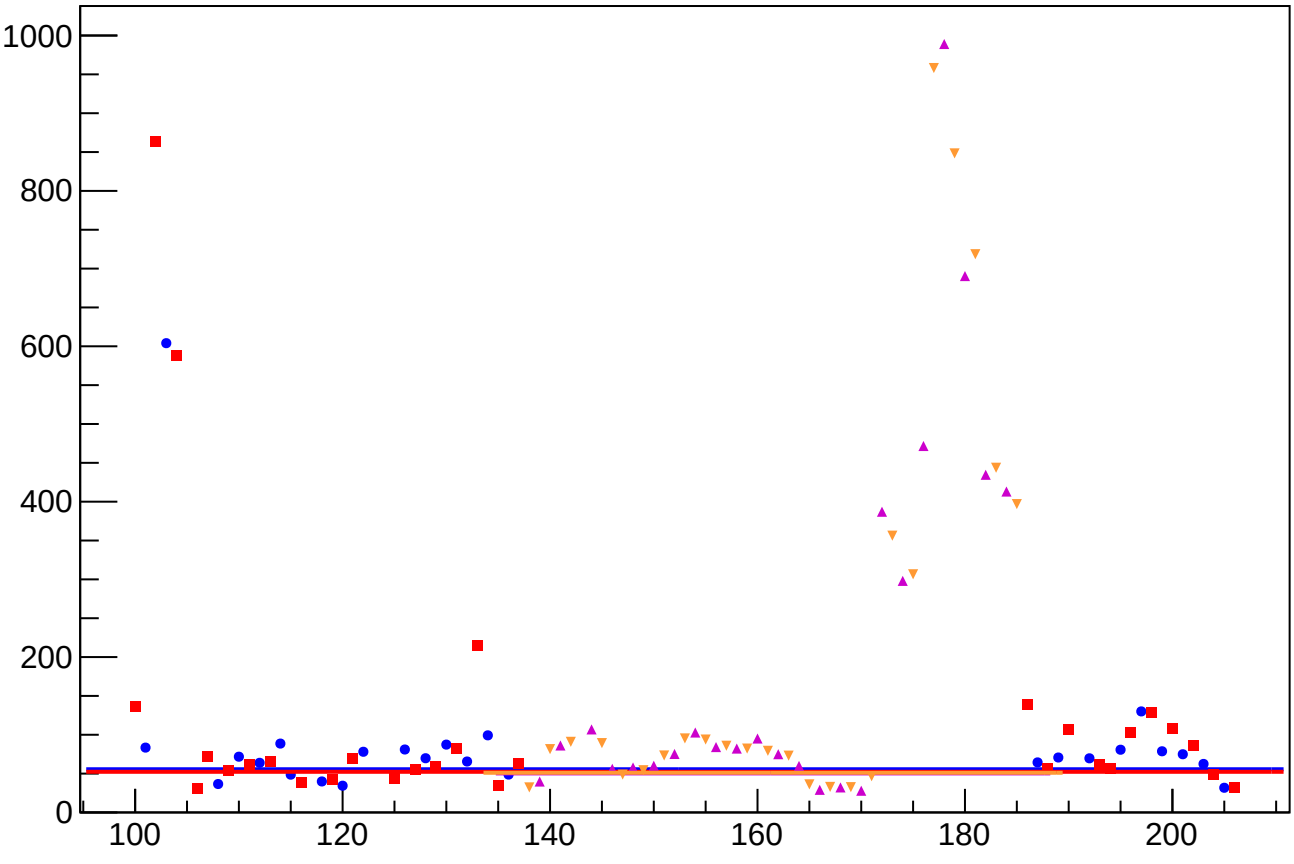
Right Out: -0.015+/-0.016 χ^2/NDF: 25.1/28

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.012+/-0.011 χ^2/NDF: 55.8/48

All: 0.001+/-0.008 χ^2/NDF: 98.9/100

- sign -0.008+/-0.011 χ^2/NDF: 41.6/51



Right In: 55.606+/-0.012 χ^2/NDF: 3916990.9/24

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

Right Out: 52.334+/-0.011 χ^2/NDF: 5699277.6/28

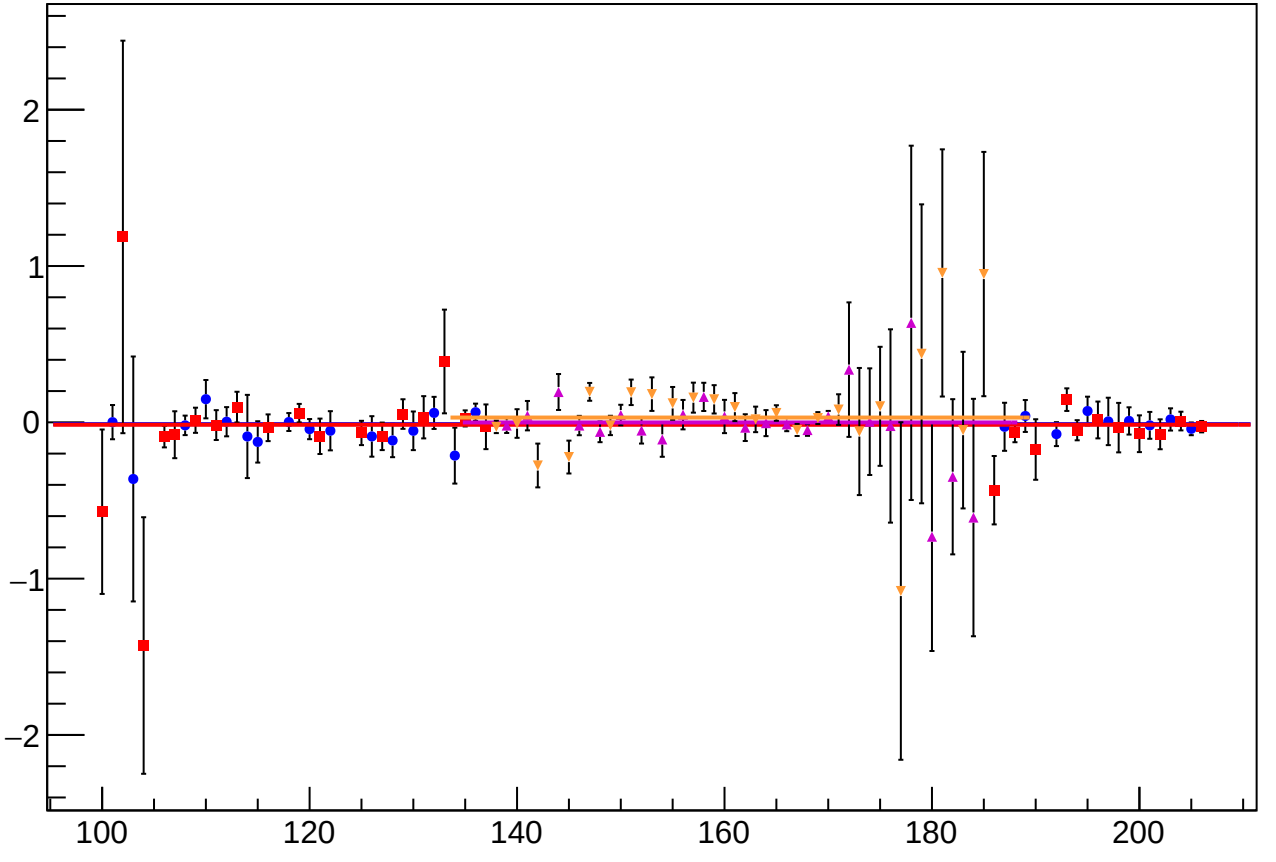
Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 53.114+/-0.008 χ^2/NDF: 15730493.6/48

All: 52.144+/-0.006 χ^2/NDF: 33670867.2/100

- sign 51.268+/-0.008 χ^2/NDF: 17913212.0/51

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

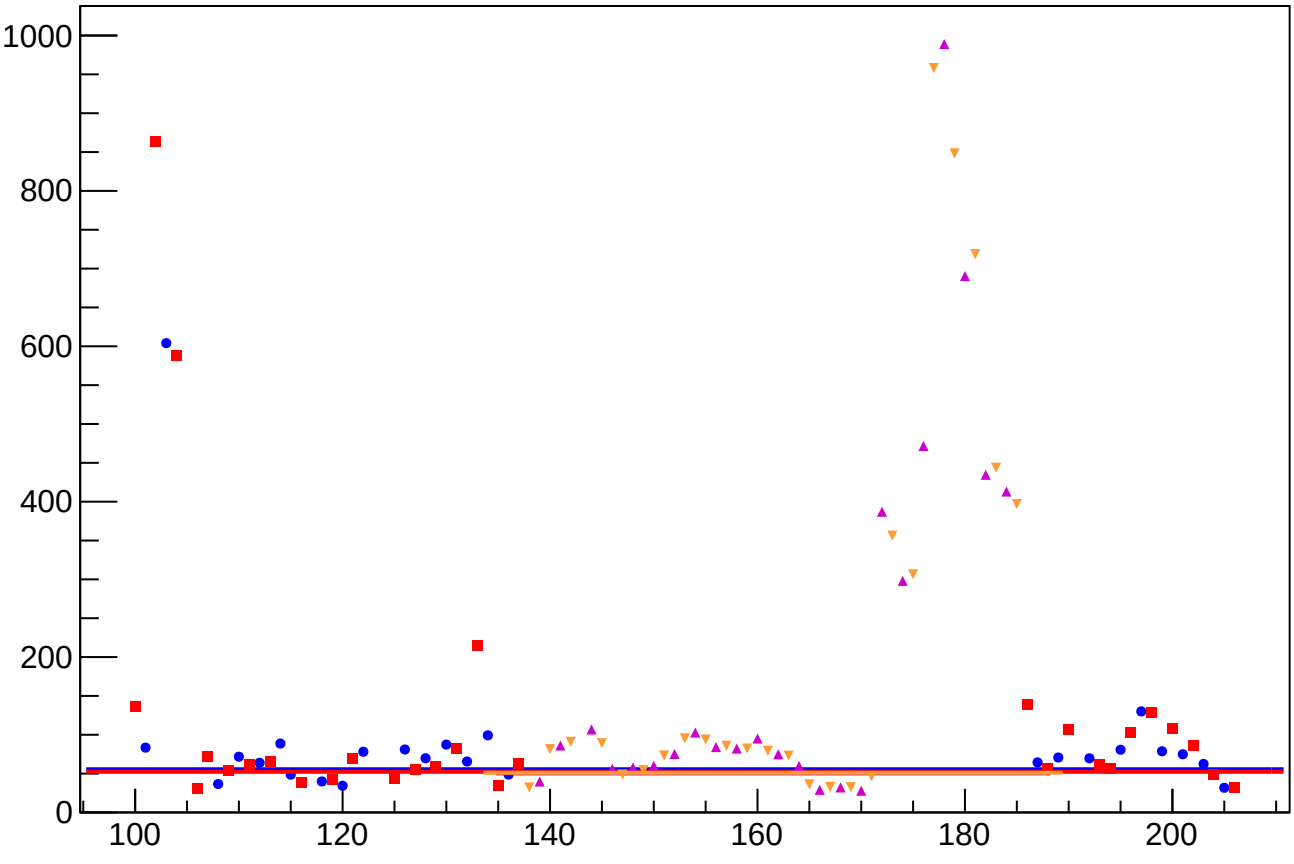
Right Out: -0.015+/-0.016 χ^2/NDF: 25.1/28

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.012+/-0.011 χ^2/NDF: 55.8/48

All: 0.001+/-0.008 χ^2/NDF: 98.9/100

- sign -0.008+/-0.011 χ^2/NDF: 41.6/51



Right In: 55.606+/-0.012 χ^2/NDF: 3916990.9/24

Left Out: 51.081+/-0.011 χ^2/NDF:11736636.7/23

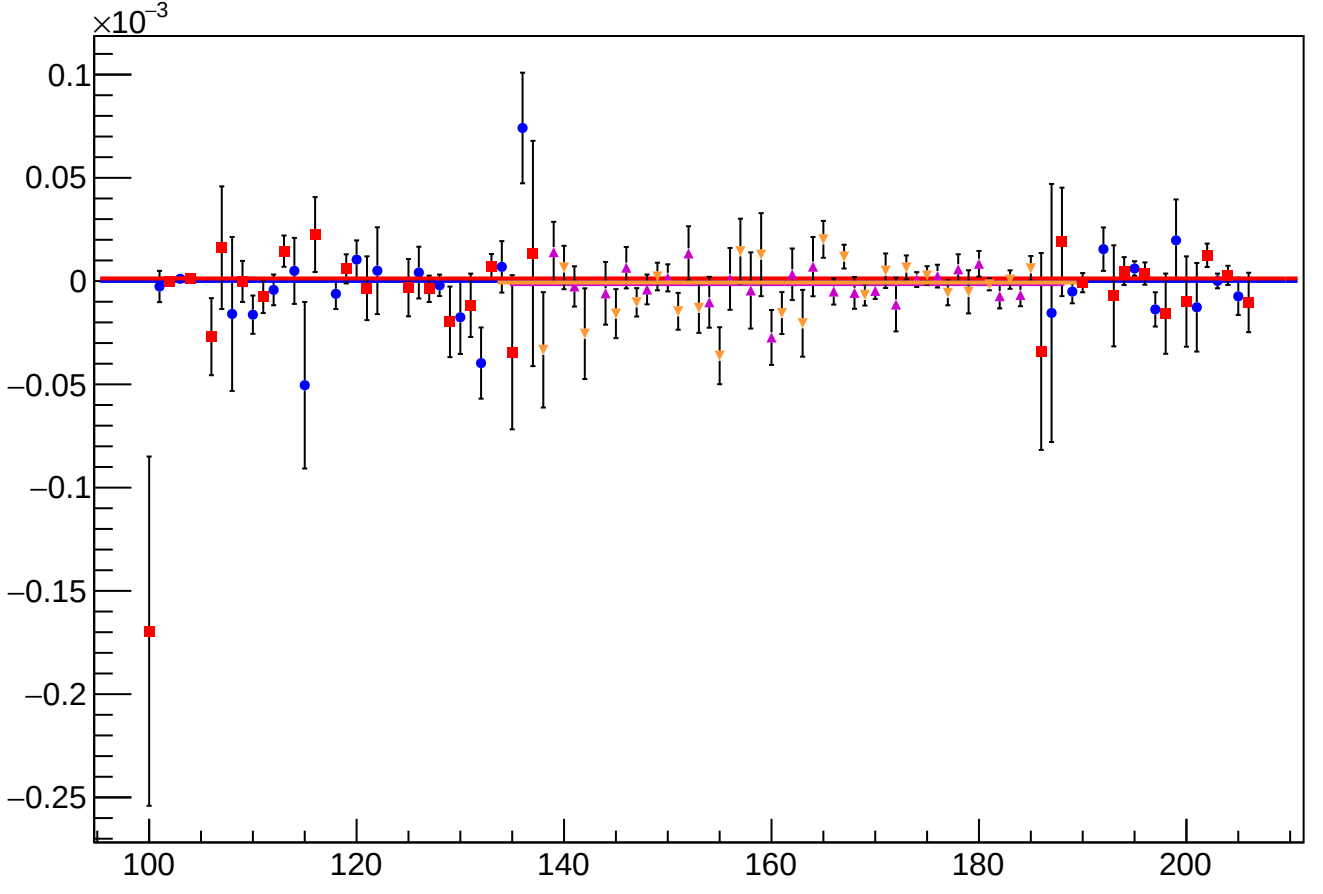
Right Out: 52.334+/-0.011 χ^2/NDF: 5699277.6/28

Left In: 50.251+/-0.011 χ^2/NDF:12195723.8/22

+ sign 53.114+/-0.008 χ^2/NDF: 15730493.6/48

All: 52.144+/-0.006 χ^2/NDF: 33670867.2/100

- sign 51.268+/-0.008 χ^2/NDF: 17913212.0/51



Right In: 0.000+/-0.000 χ^2/NDF: 32.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:38.5/23

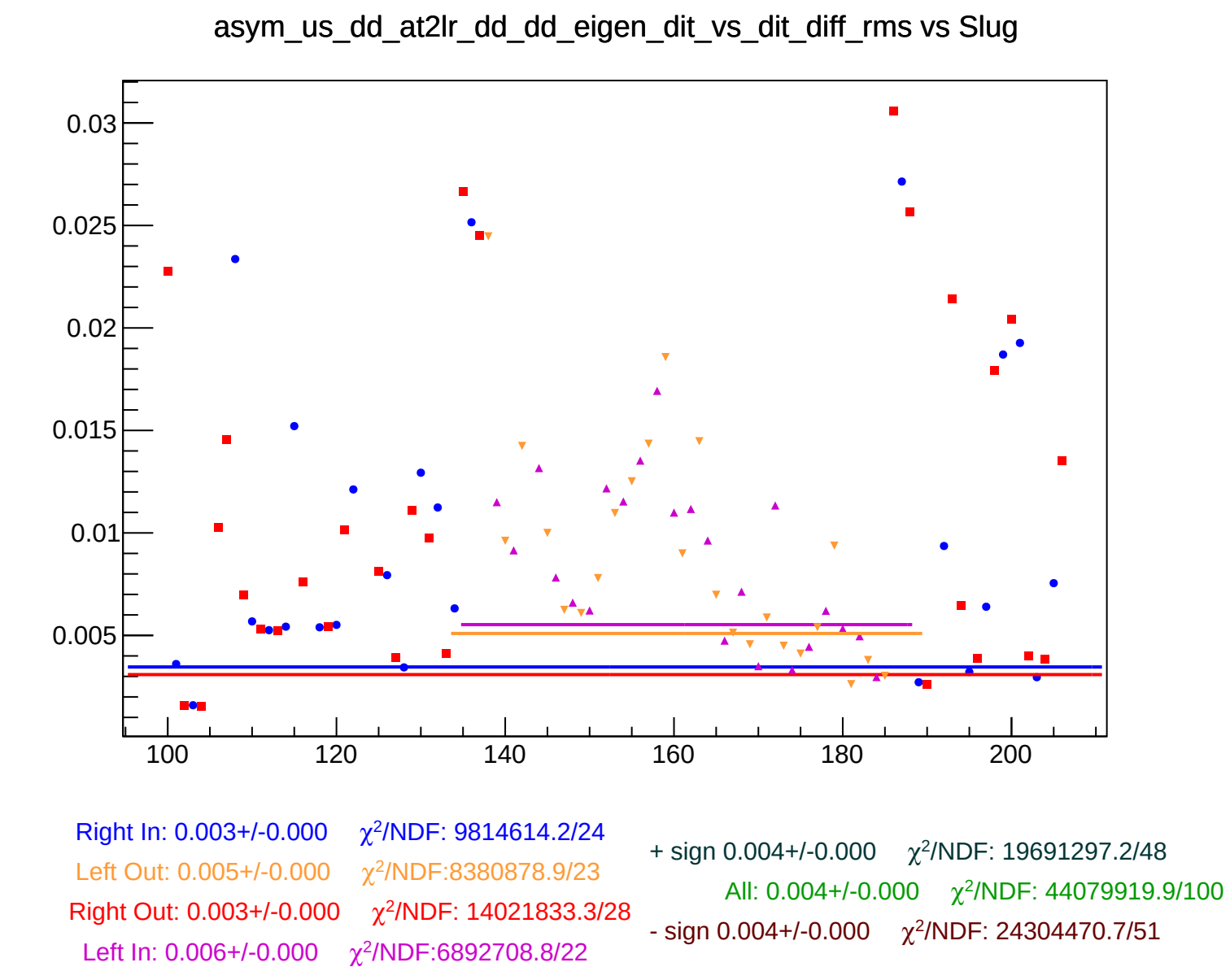
Right Out: 0.000+/-0.000 χ^2/NDF: 25.6/28

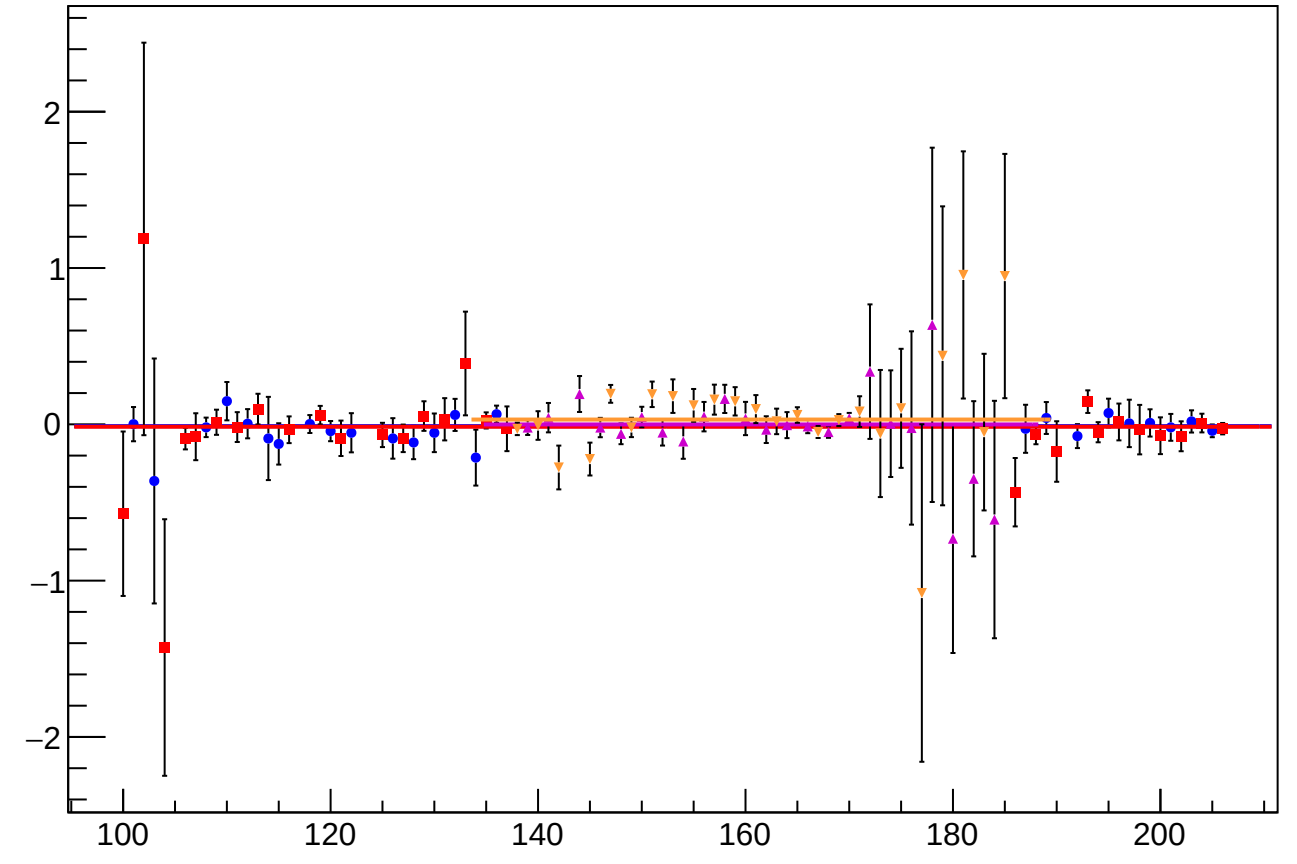
Left In: -0.000+/-0.000 χ^2/NDF:16.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 71.5/48

All: 0.000+/-0.000 χ^2/NDF: 115.9/100

- sign 0.000+/-0.000 χ^2/NDF: 44.1/51


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
Right In: 0.003+/-0.000 χ²/NDF: 9814614.2/24
Left Out: 0.005+/-0.000 χ²/NDF:8380878.9/23
Right Out: 0.003+/-0.000 χ²/NDF: 14021833.3/28
Left In: 0.006+/-0.000 χ²/NDF:6892708.8/22
+ sign 0.004+/-0.000 χ²/NDF: 19691297.2/48
All: 0.004+/-0.000 χ²/NDF: 44079919.9/100
- sign 0.004+/-0.000 χ²/NDF: 24304470.7/51



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

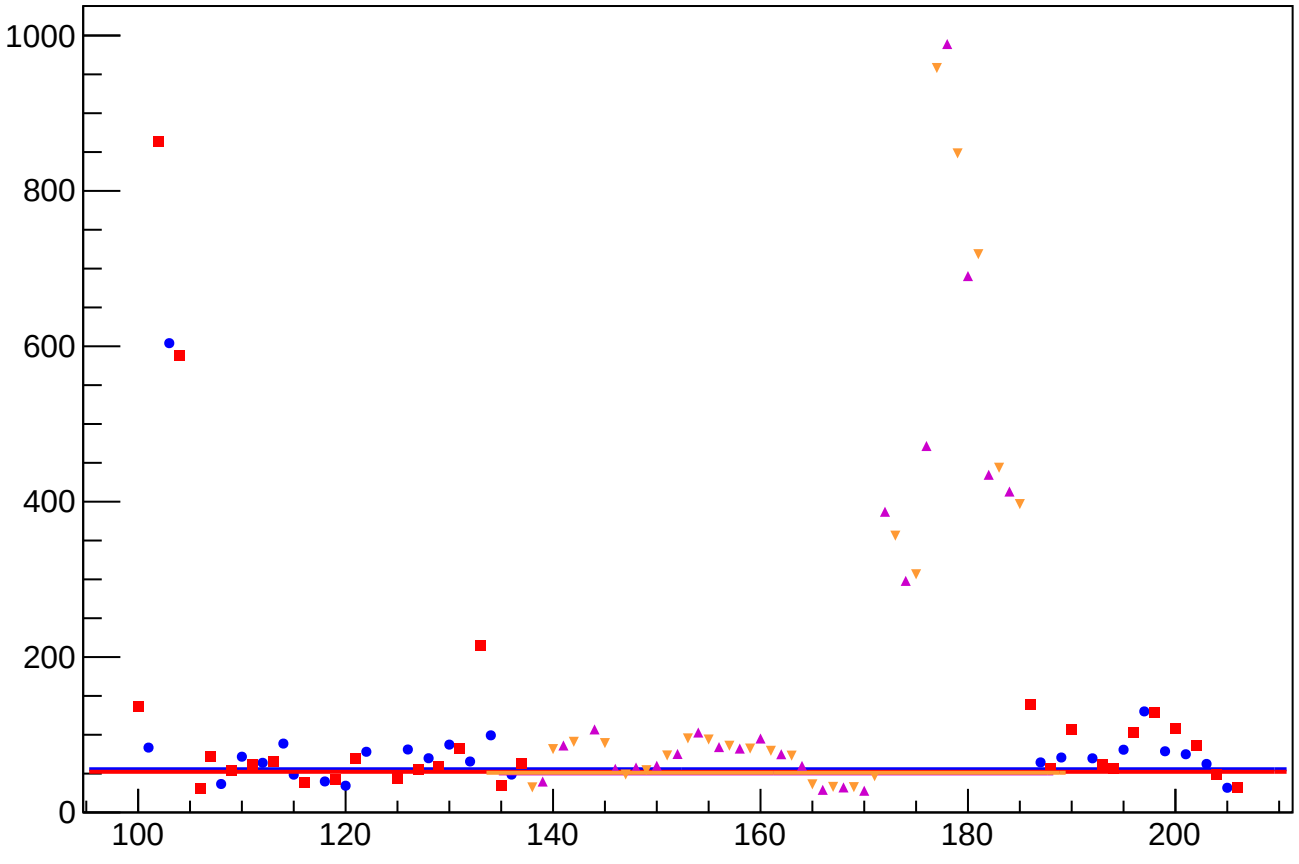
Right Out: -0.015+/-0.016 χ^2/NDF: 25.1/28

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.012+/-0.011 χ^2/NDF: 55.8/48

All: 0.001+/-0.008 χ^2/NDF: 98.9/100

- sign -0.008+/-0.011 χ^2/NDF: 41.6/51



Right In: 55.608+/-0.012 χ^2/NDF: 3916424.8/24

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

Right Out: 52.335+/-0.011 χ^2/NDF: 5699045.0/28

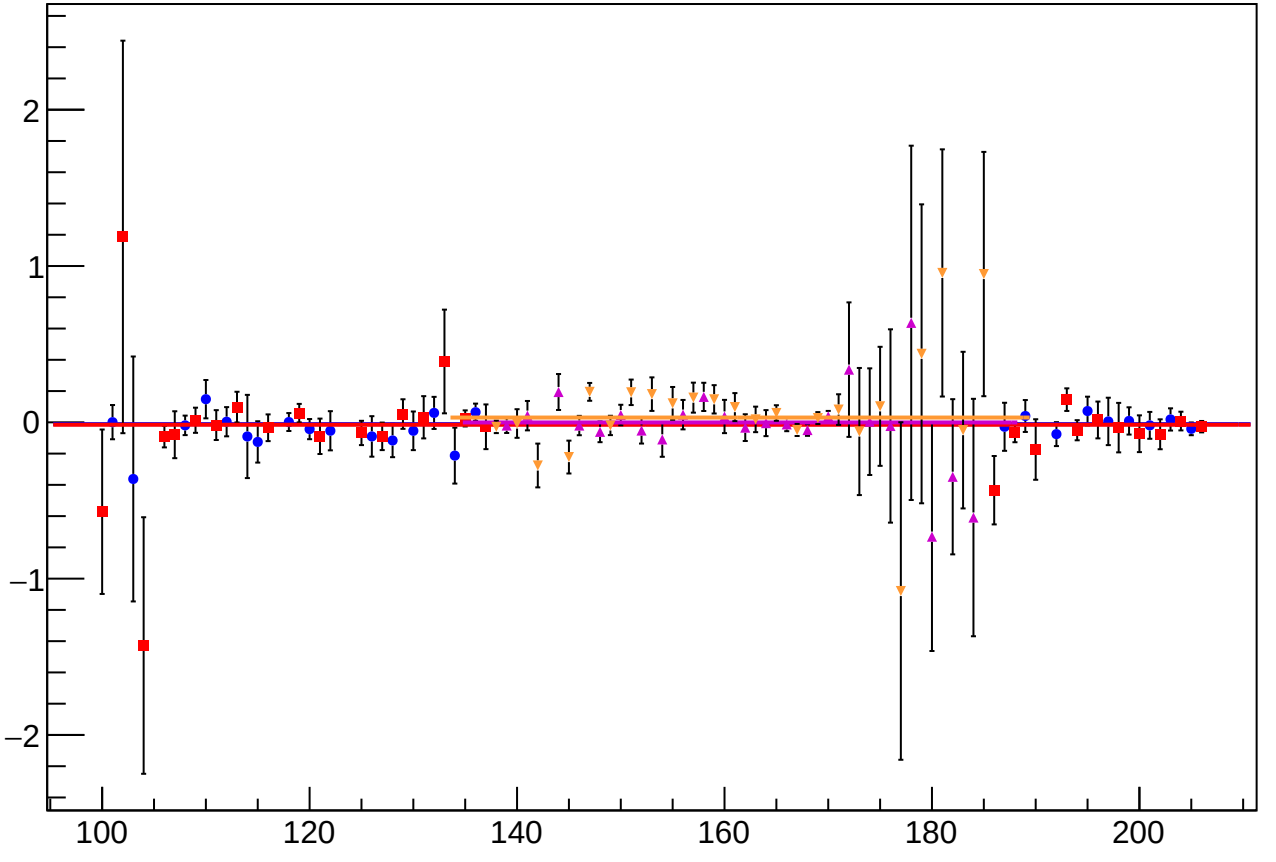
Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 53.117+/-0.008 χ^2/NDF: 15729087.8/48

All: 52.146+/-0.006 χ^2/NDF: 33669241.5/100

- sign 51.269+/-0.008 χ^2/NDF: 17912940.3/51

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.012+/-0.017 χ^2/NDF: 10.9/24

Left Out: 0.031+/-0.015 χ^2/NDF:41.5/23

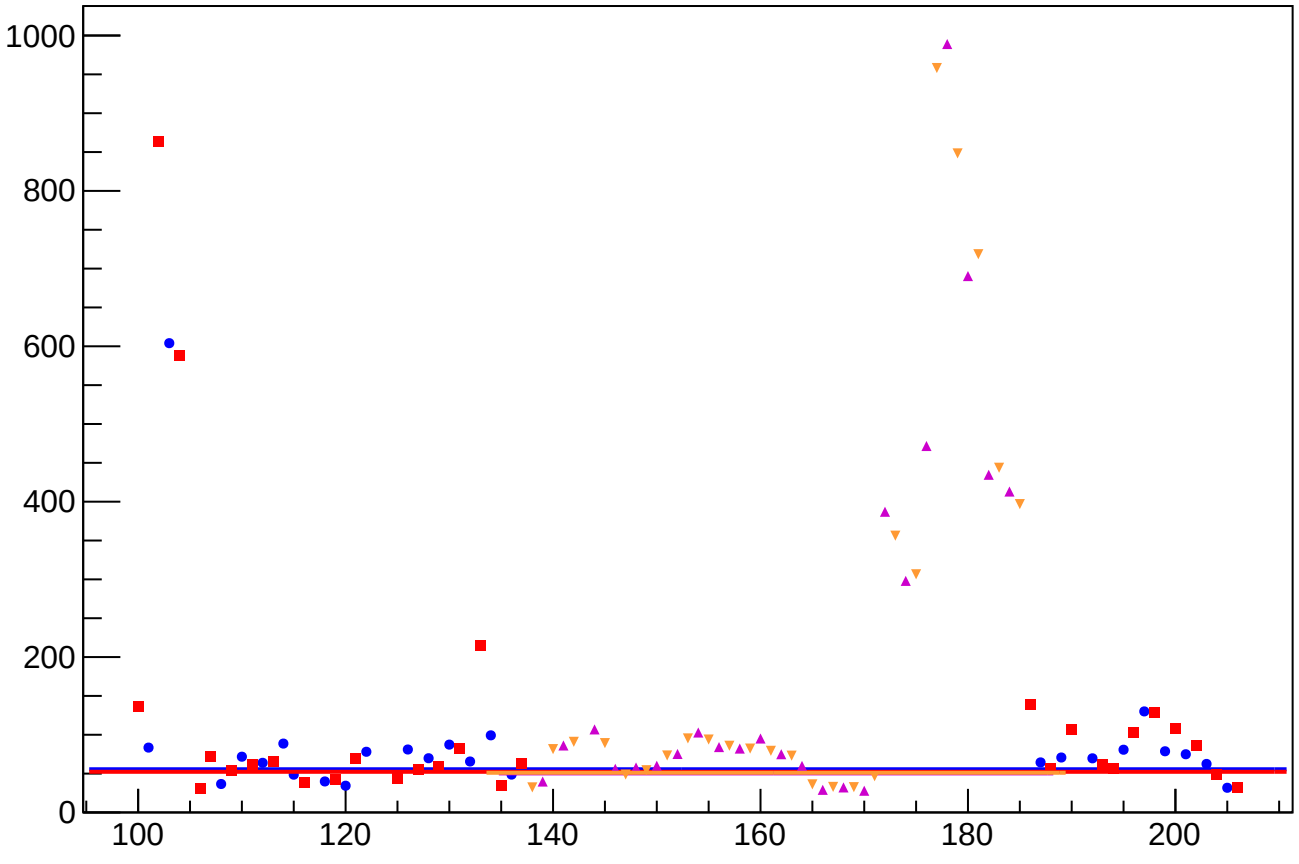
Right Out: -0.015+/-0.016 χ^2/NDF: 25.1/28

Left In: -0.001+/-0.015 χ^2/NDF:16.0/22

+ sign 0.012+/-0.011 χ^2/NDF: 55.8/48

All: 0.001+/-0.008 χ^2/NDF: 98.9/100

- sign -0.008+/-0.011 χ^2/NDF: 41.6/51



Right In: 55.608+/-0.012 χ^2/NDF: 3916424.8/24

Left Out: 51.083+/-0.011 χ^2/NDF:11735805.5/23

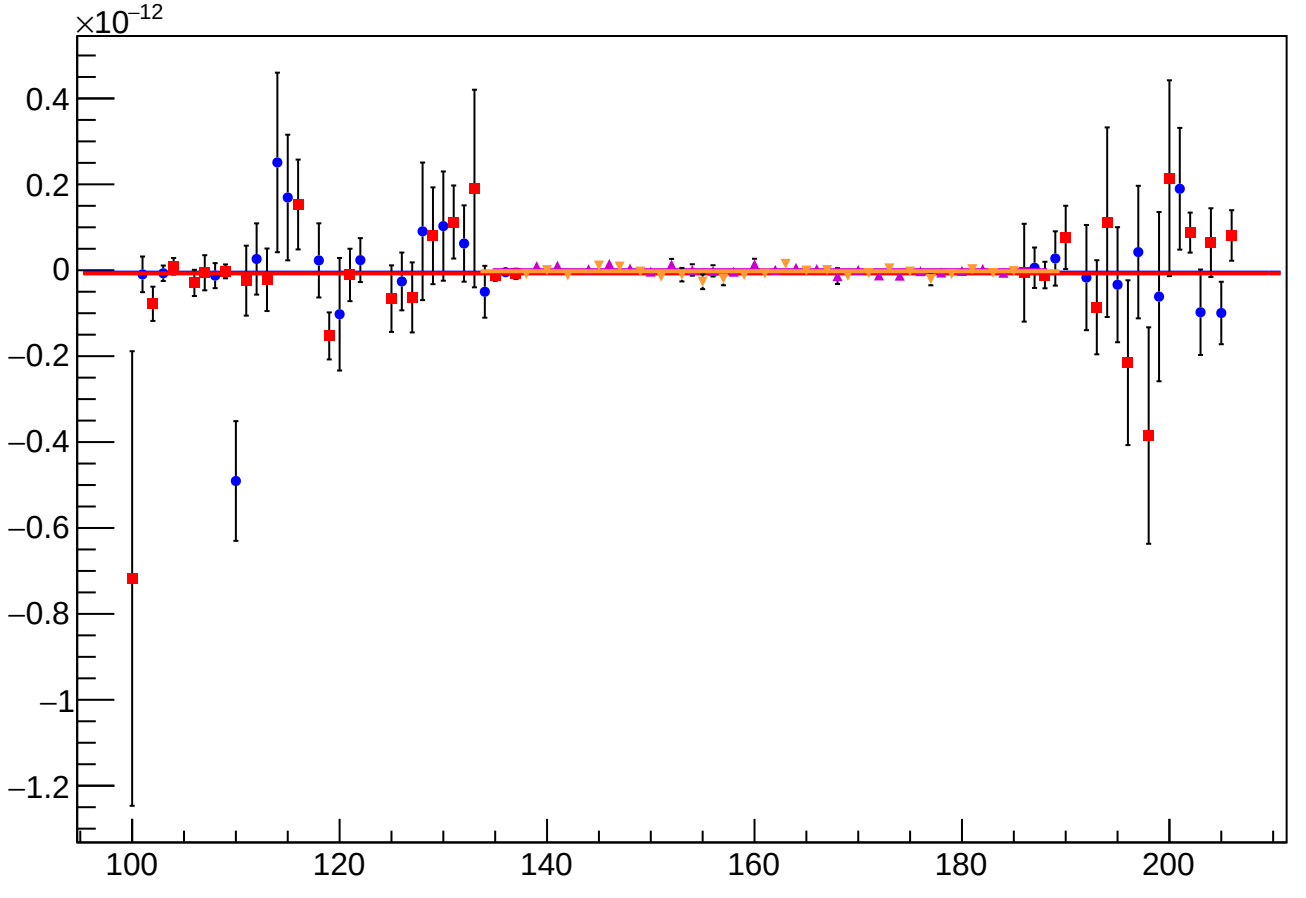
Right Out: 52.335+/-0.011 χ^2/NDF: 5699045.0/28

Left In: 50.251+/-0.011 χ^2/NDF:12195665.4/22

+ sign 53.117+/-0.008 χ^2/NDF: 15729087.8/48

All: 52.146+/-0.006 χ^2/NDF: 33669241.5/100

- sign 51.269+/-0.008 χ^2/NDF: 17912940.3/51



Right In: -0.000+/-0.000 χ^2/NDF: 23.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/23

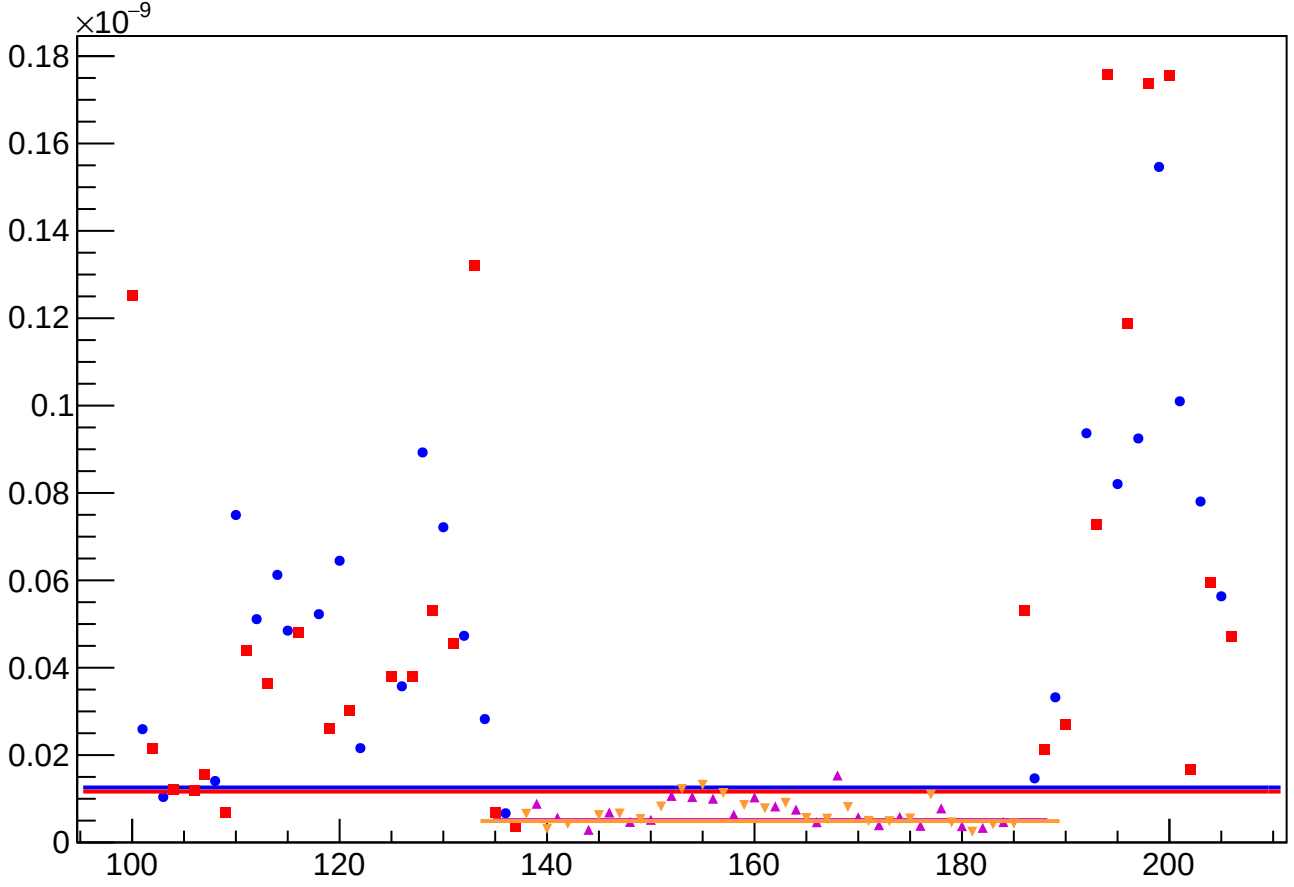
Right Out: -0.000+/-0.000 χ^2/NDF: 34.0/28

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 46.0/48

All: -0.000+/-0.000 χ^2/NDF: 100.8/100

- sign -0.000+/-0.000 χ^2/NDF: 53.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 10298251.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:4312108.9/23

Right Out: 0.000+/-0.000 χ^2/NDF: 10493894.0/28

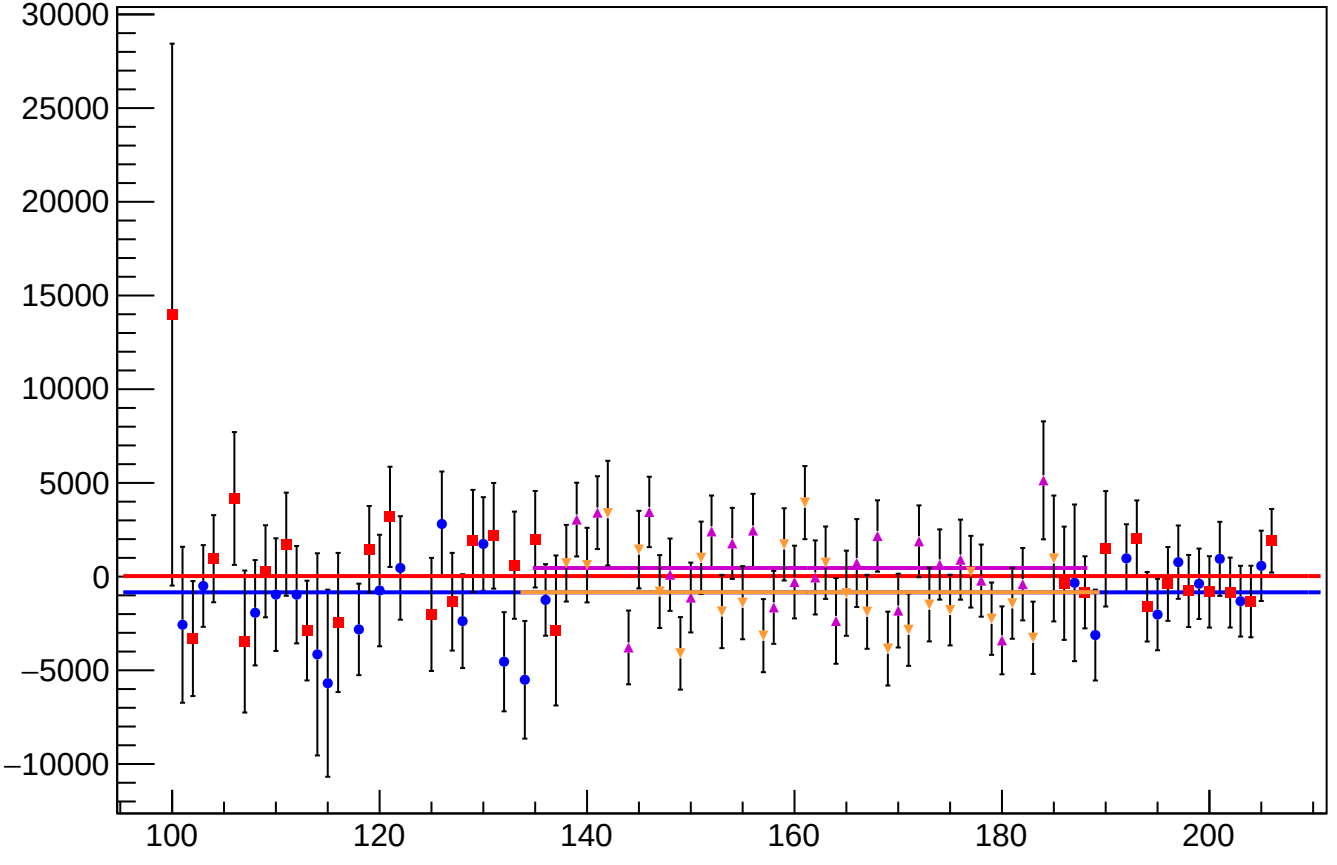
Left In: 0.000+/-0.000 χ^2/NDF:3777059.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 17150276.5/48

All: 0.000+/-0.000 χ^2/NDF: 33562292.2/100

- sign 0.000+/-0.000 χ^2/NDF: 16388899.4/51

reg_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -838.384+/-483.545 χ^2/NDF: 14.4/24

Left Out: -832.582+/-410.448 χ^2/NDF:25.4/23

Right Out: 28.047+/-453.273 χ^2/NDF: 15.8/28

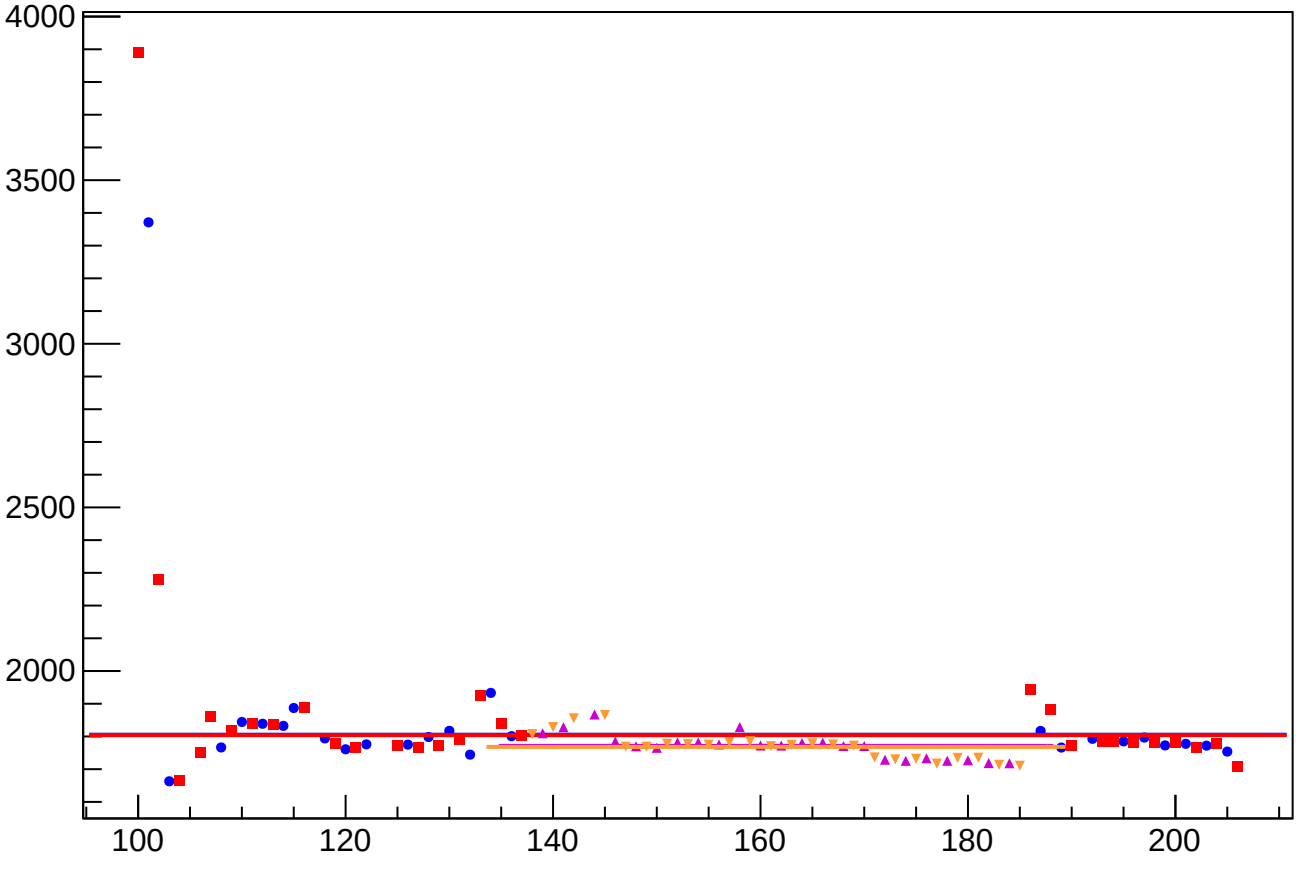
Left In: 459.594+/-413.637 χ^2/NDF:27.3/22

+ sign -835.012+/-312.917 χ^2/NDF: 39.8/48

All: -272.649+/-218.611 χ^2/NDF: 89.7/100

- sign 263.510+/-305.539 χ^2/NDF: 43.6/51

reg_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1805.336+/-0.342 χ^2/NDF: 302693.6/24

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

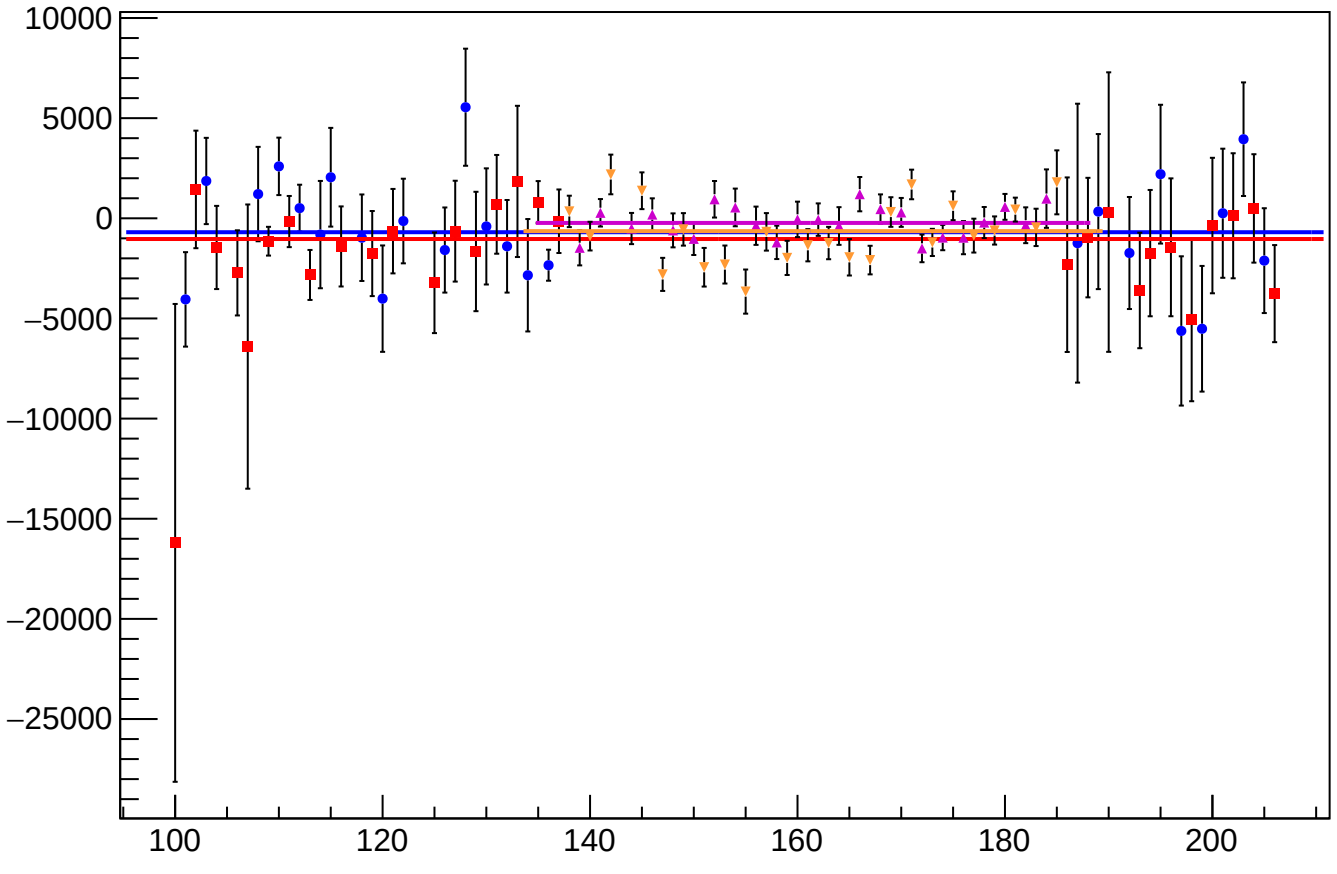
Right Out: 1803.968+/-0.321 χ^2/NDF: 121890.6/28

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1783.708+/-0.221 χ^2/NDF: 325935.5/48

All: 1784.932+/-0.155 χ^2/NDF: 470008.6/100

- sign 1786.099+/-0.216 χ^2/NDF: 144013.3/51



Right In: -694.425+/-409.817 χ^2/NDF: 31.3/24

Left Out: -641.029+/-166.449 χ^2/NDF:66.7/23

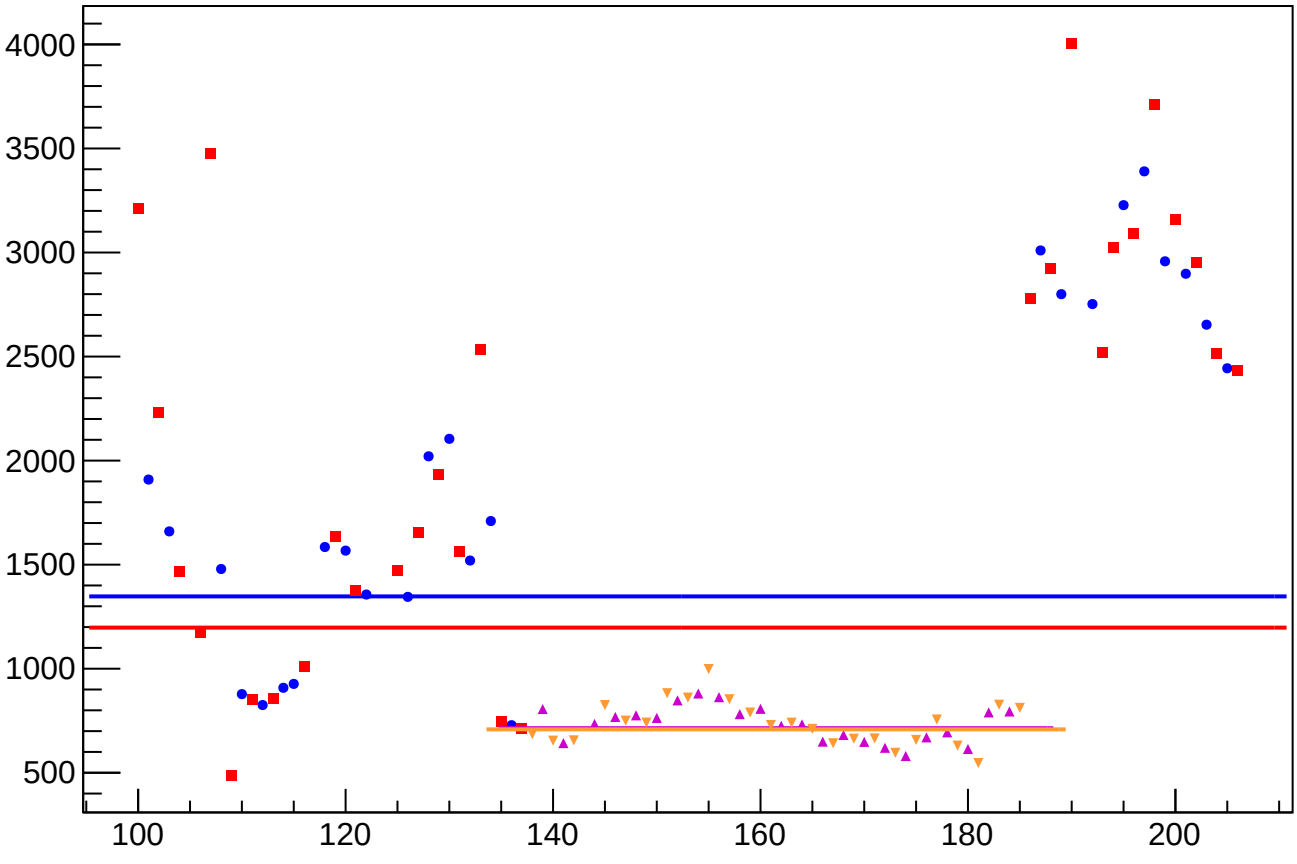
Right Out: -1033.847+/-364.929 χ^2/NDF: 15.4/28

Left In: -230.653+/-168.319 χ^2/NDF:19.9/22

+ sign -648.590+/-154.215 χ^2/NDF: 98.0/48

All: -508.834+/-108.559 χ^2/NDF: 138.9/100

- sign -371.550+/-152.844 χ^2/NDF: 39.3/51



Right In: 1347.466+/-0.290 χ^2/NDF: 6342798.7/24

Left Out: 708.503+/-0.118 χ^2/NDF:700473.3/23

Right Out: 1197.402+/-0.258 χ^2/NDF: 10000176.2/28

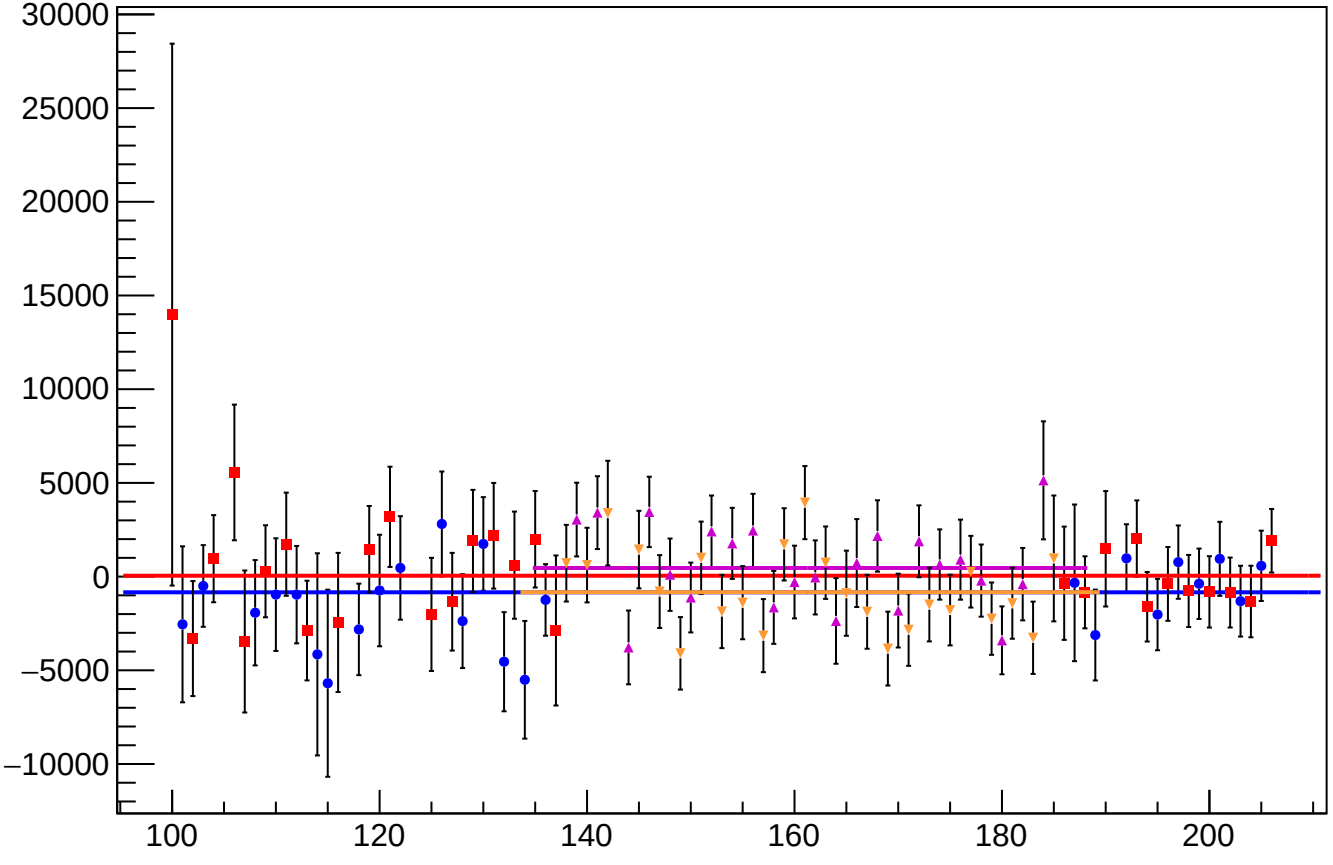
Left In: 714.162+/-0.119 χ^2/NDF:497246.5/22

+ sign 798.982+/-0.109 χ^2/NDF: 11216675.7/48

All: 798.957+/-0.077 χ^2/NDF: 24605923.7/10

- sign 798.933+/-0.108 χ^2/NDF: 13389247.9/51

cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -838.100+/-483.545 χ^2/NDF: 14.4/24

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 47.036+/-453.425 χ^2/NDF: 16.8/28

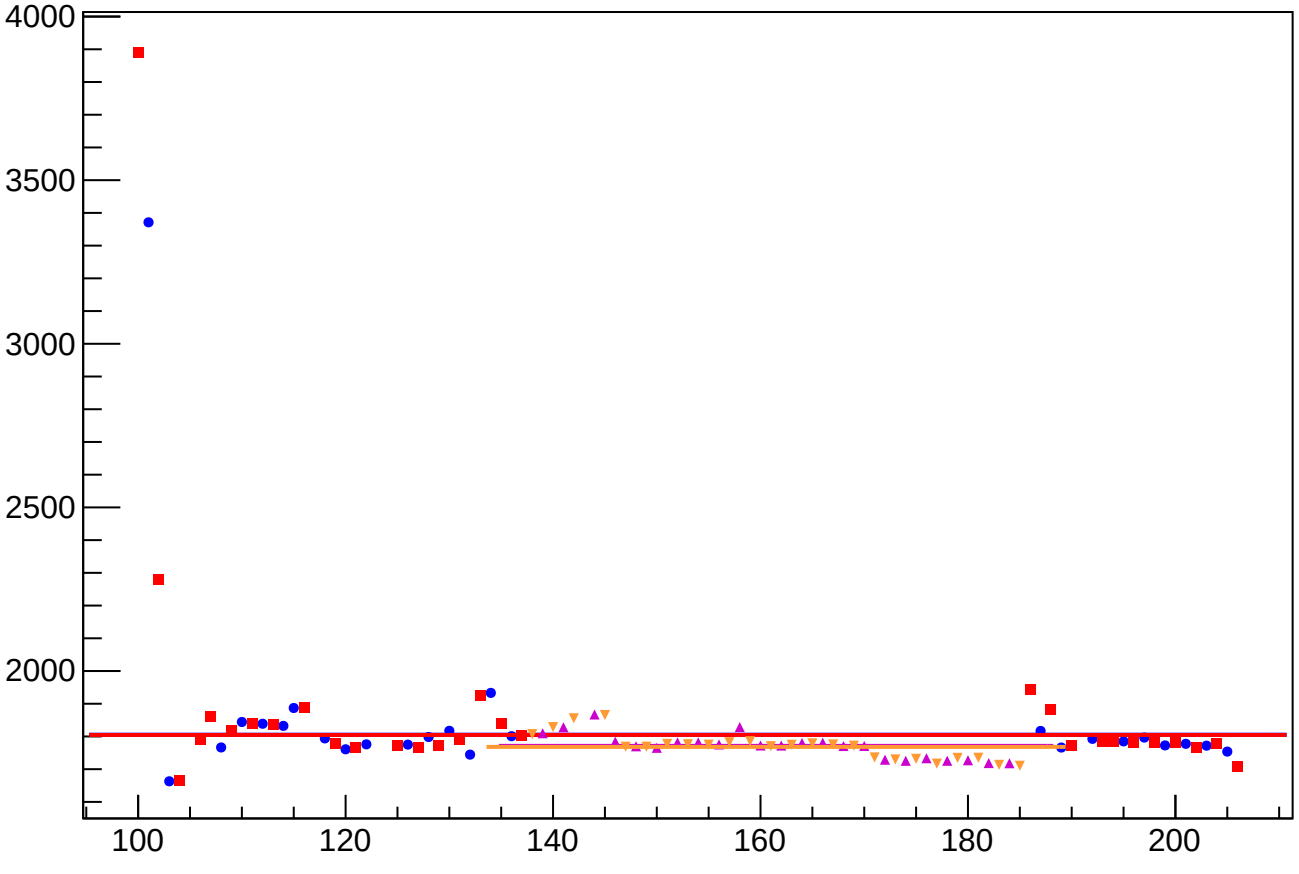
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -834.831+/-312.917 χ^2/NDF: 39.8/48

All: -268.204+/-218.628 χ^2/NDF: 90.7/100

- sign 272.184+/-305.586 χ^2/NDF: 44.5/51

cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1805.336+/-0.342 χ^2/NDF: 302695.4/24

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

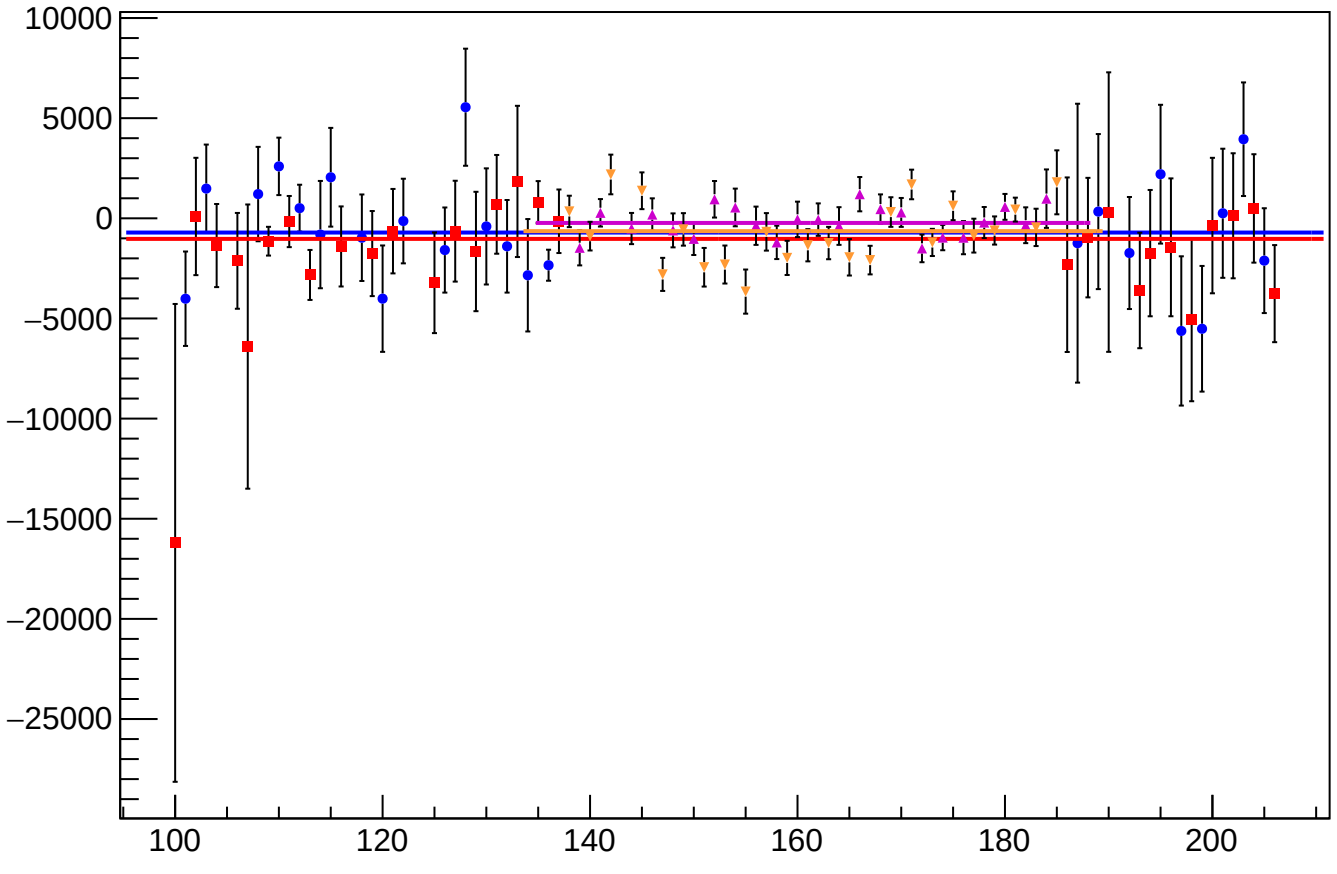
Right Out: 1804.645+/-0.321 χ^2/NDF: 121456.8/28

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1783.708+/-0.221 χ^2/NDF: 325937.4/48

All: 1785.086+/-0.155 χ^2/NDF: 469828.5/100

- sign 1786.401+/-0.216 χ^2/NDF: 143815.4/51



Right In: -710.480+/-410.112 χ^2/NDF: 30.8/24

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

Right Out: -1026.977+/-366.040 χ^2/NDF: 14.4/28

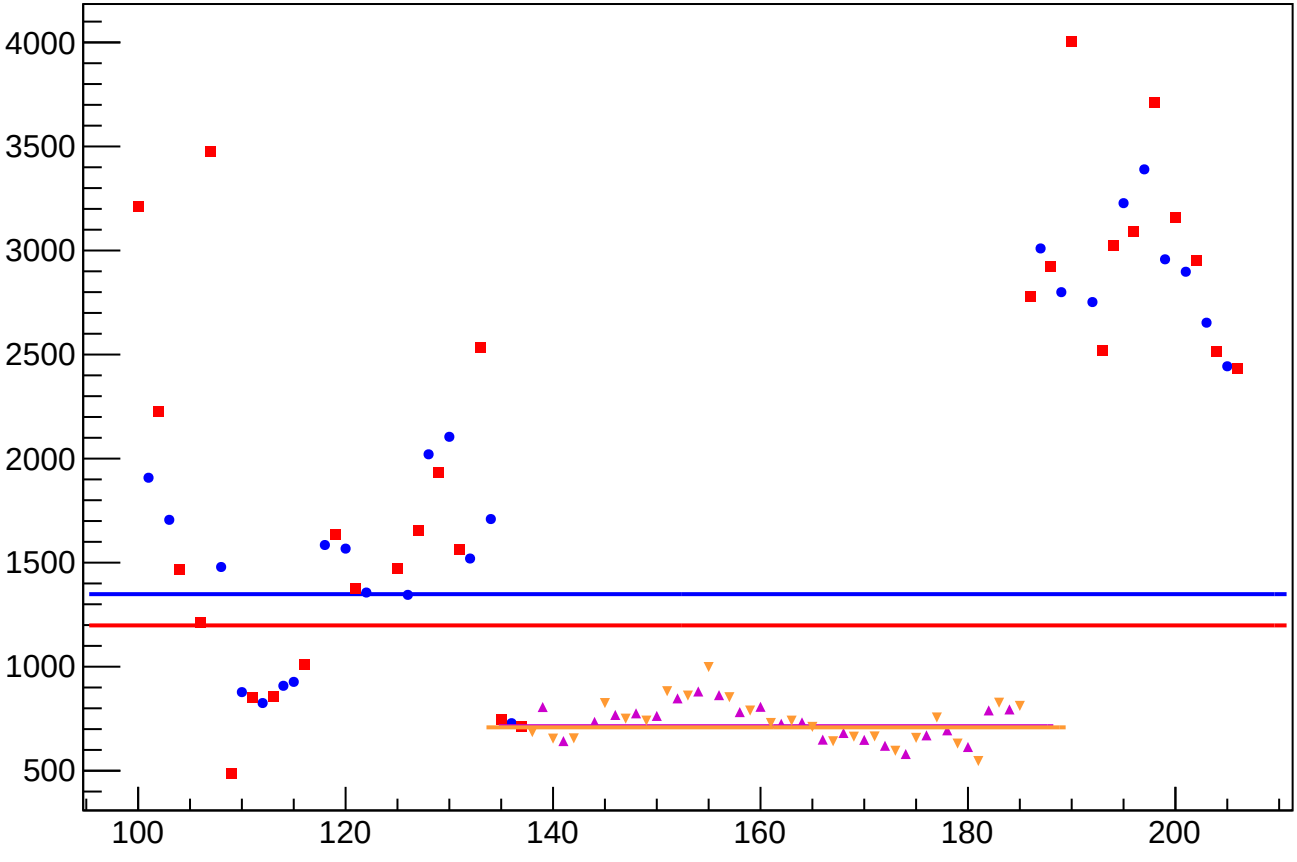
Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -650.830+/-154.231 χ^2/NDF: 97.6/48

All: -509.011+/-108.594 χ^2/NDF: 137.4/100

- sign -369.582+/-152.927 χ^2/NDF: 38.2/51

asym_us_dd_atlr_dd_avg_cor_correction_rms vs Slug



Right In: 1348.607+/-0.290 χ^2/NDF: 6353488.9/24

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1198.411+/-0.259 χ^2/NDF: 9998909.4/28

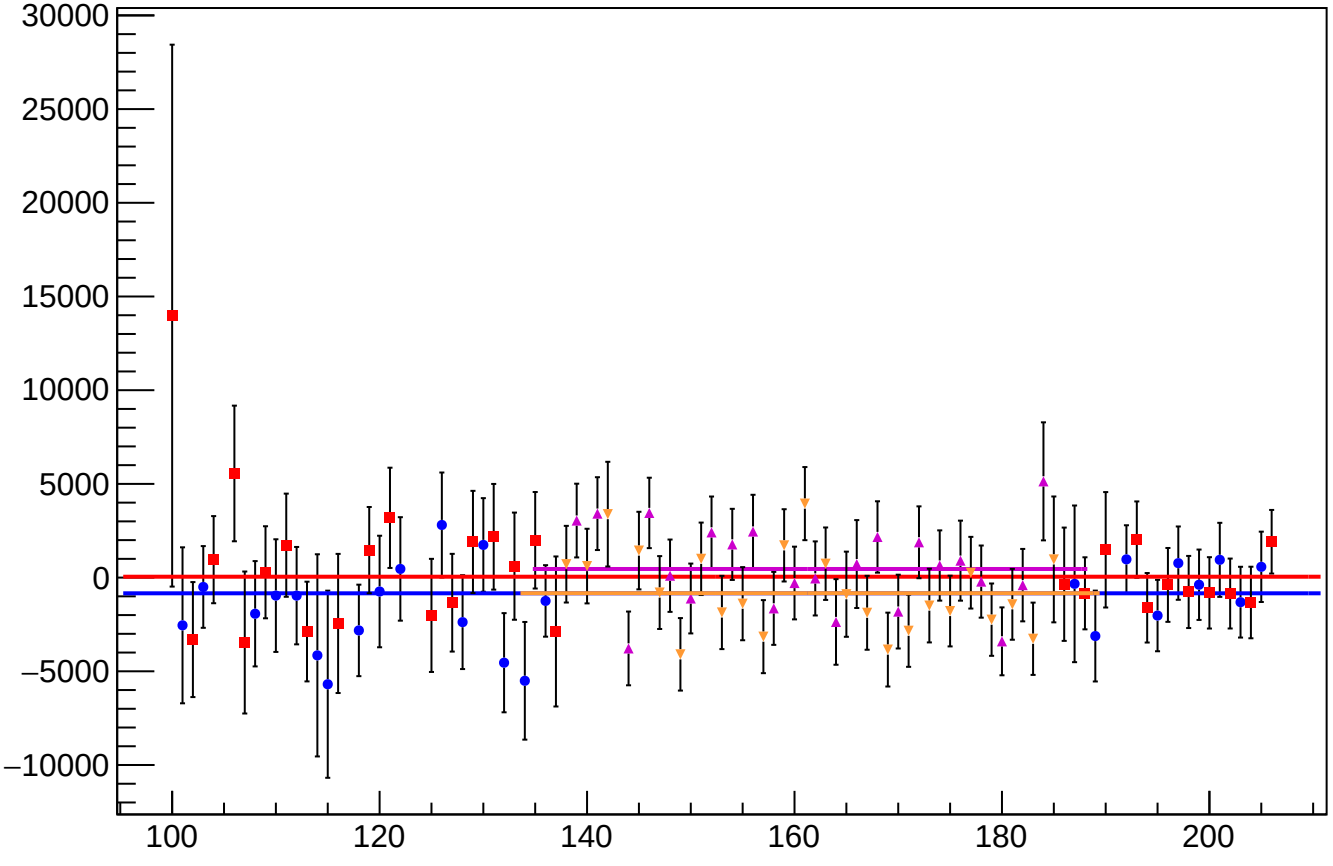
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 799.037+/-0.109 χ^2/NDF: 11237011.2/48

All: 798.863+/-0.077 χ^2/NDF: 24622486.8/10

- sign 798.691+/-0.108 χ^2/NDF: 13385470.6/51

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -838.100+/-483.545 χ^2/NDF: 14.4/24

Left Out: -832.476+/-410.448 χ^2/NDF:25.4/23

Right Out: 47.036+/-453.425 χ^2/NDF: 16.8/28

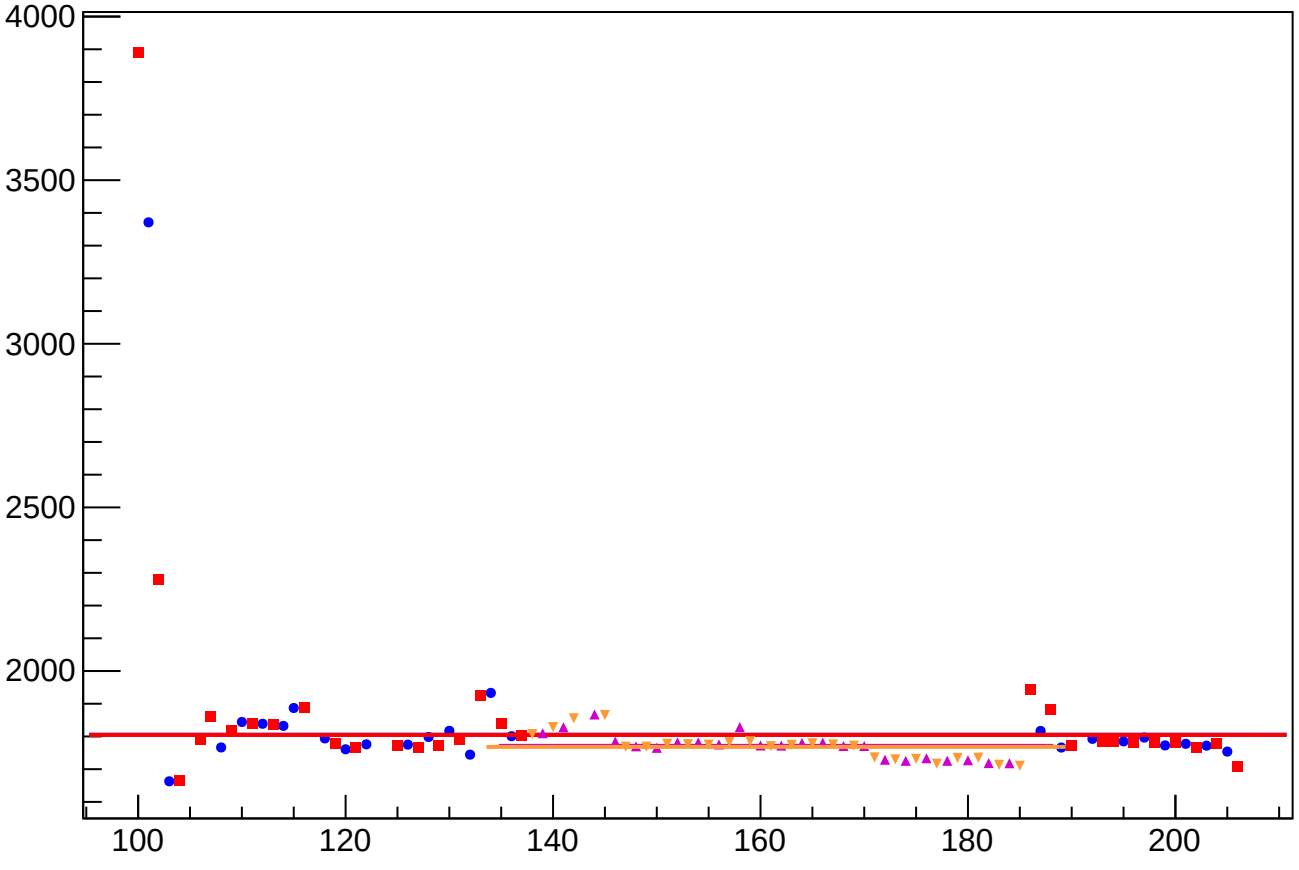
Left In: 459.554+/-413.637 χ^2/NDF:27.3/22

+ sign -834.831+/-312.917 χ^2/NDF: 39.8/48

All: -268.204+/-218.628 χ^2/NDF: 90.7/100

- sign 272.184+/-305.586 χ^2/NDF: 44.5/51

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1805.336+/-0.342 χ^2/NDF: 302695.4/24

Left Out: 1768.125+/-0.290 χ^2/NDF:16358.2/23

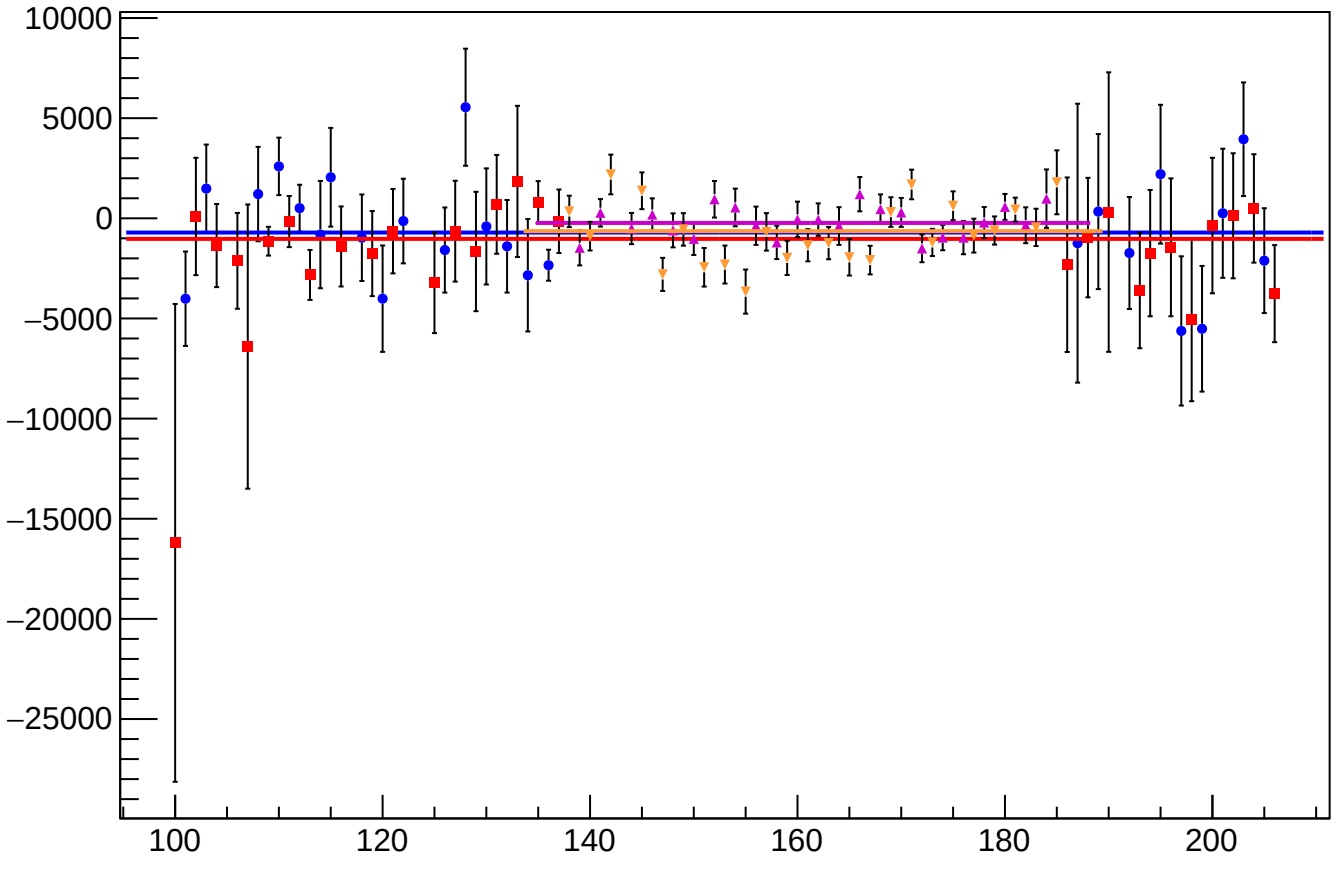
Right Out: 1804.645+/-0.321 χ^2/NDF: 121456.8/28

Left In: 1771.217+/-0.292 χ^2/NDF:16425.7/22

+ sign 1783.708+/-0.221 χ^2/NDF: 325937.4/48

All: 1785.086+/-0.155 χ^2/NDF: 469828.5/100

- sign 1786.401+/-0.216 χ^2/NDF: 143815.4/51



Right In: -710.480+/-410.112 χ^2/NDF: 30.8/24

Left Out: -641.004+/-166.450 χ^2/NDF:66.7/23

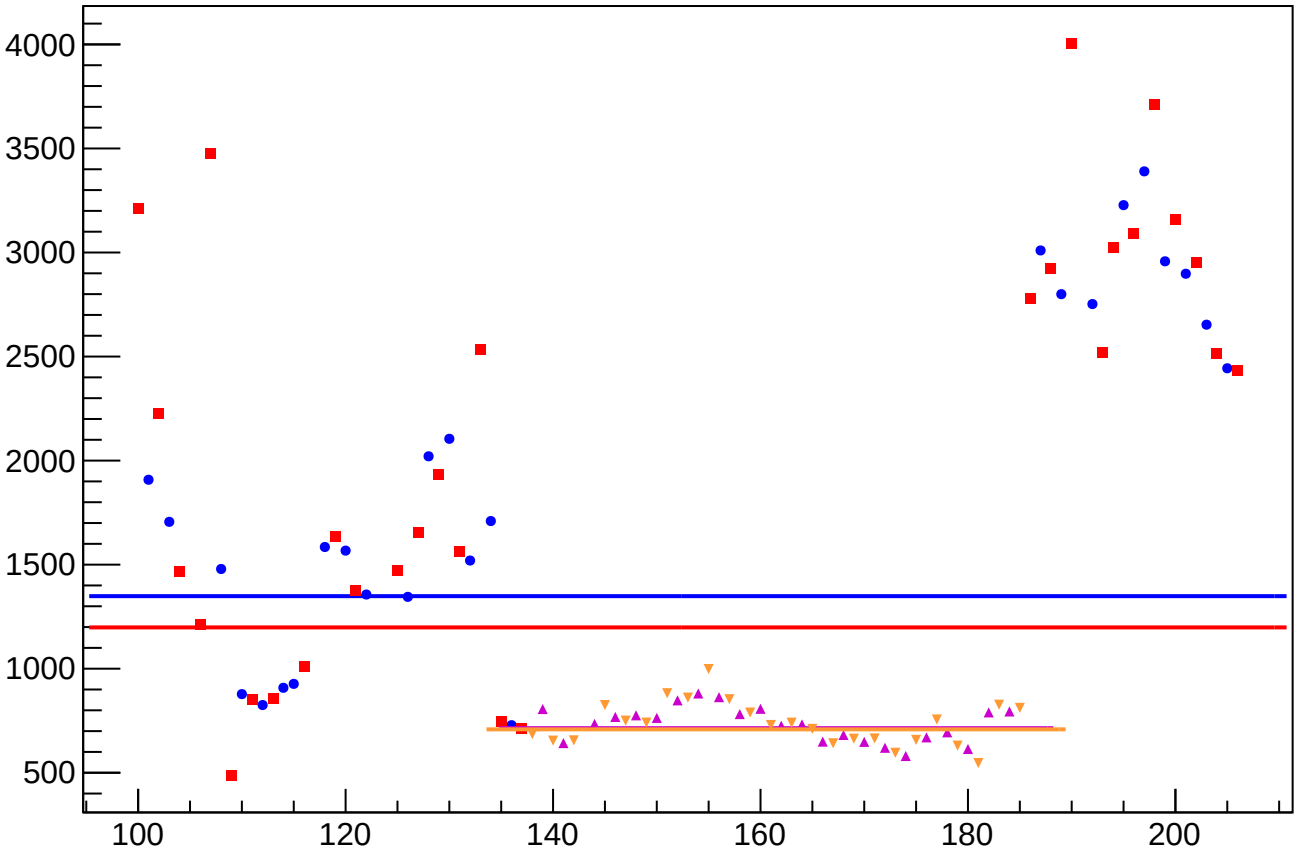
Right Out: -1026.977+/-366.040 χ^2/NDF: 14.4/28

Left In: -230.572+/-168.320 χ^2/NDF:19.9/22

+ sign -650.830+/-154.231 χ^2/NDF: 97.6/48

All: -509.011+/-108.594 χ^2/NDF: 137.4/100

- sign -369.582+/-152.927 χ^2/NDF: 38.2/51



Right In: 1348.607+/-0.290 χ^2/NDF: 6353488.9/24

Left Out: 708.508+/-0.118 χ^2/NDF:700448.7/23

Right Out: 1198.411+/-0.259 χ^2/NDF: 9998909.4/28

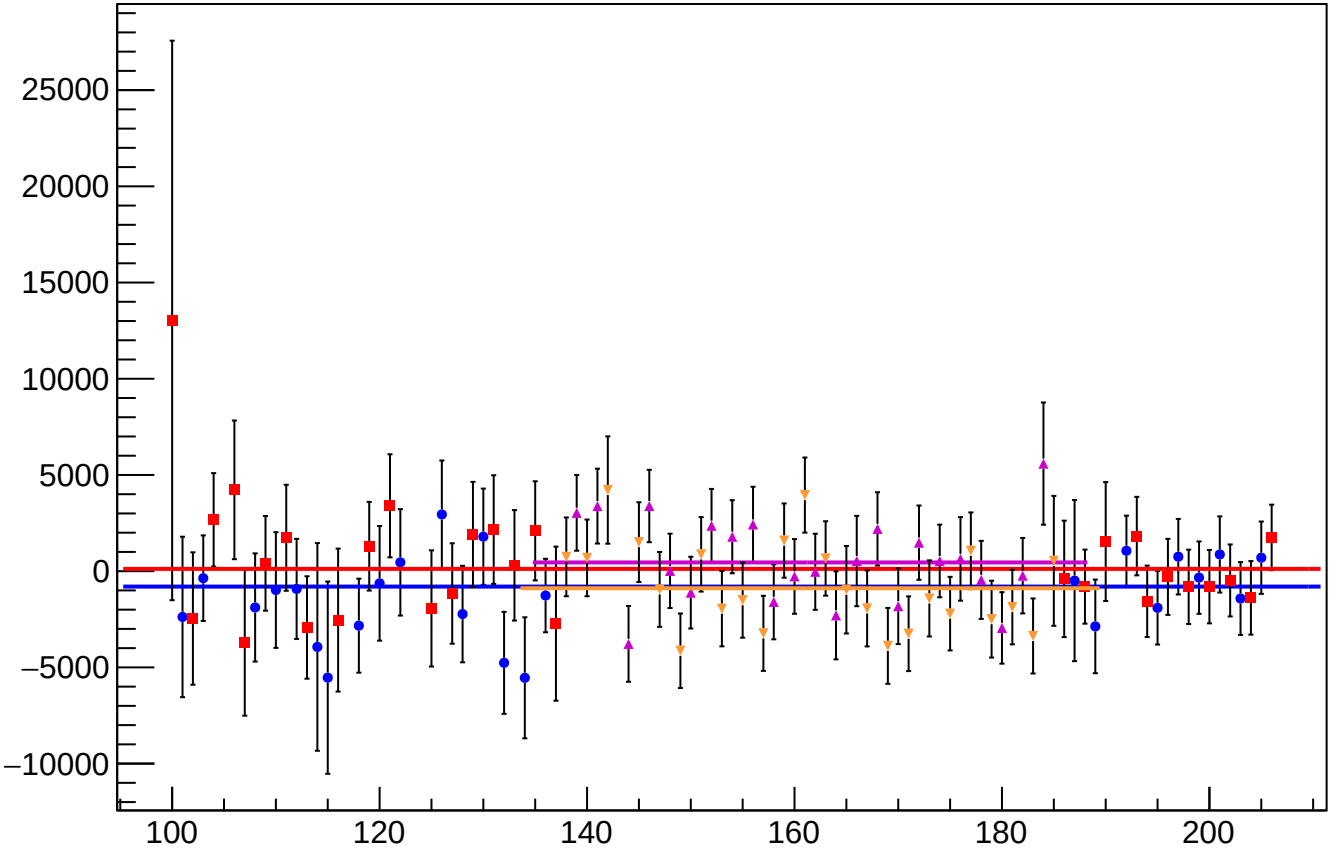
Left In: 714.168+/-0.119 χ^2/NDF:497252.3/22

+ sign 799.037+/-0.109 χ^2/NDF: 11237011.2/48

All: 798.863+/-0.077 χ^2/NDF: 24622486.8/10

- sign 798.691+/-0.108 χ^2/NDF: 13385470.6/51

dit_asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -800.991+/-484.770 χ^2/NDF: 14.5/24

Left Out: -886.354+/-413.227 χ^2/NDF:28.1/23

Right Out: 119.496+/-455.859 χ^2/NDF: 15.6/28

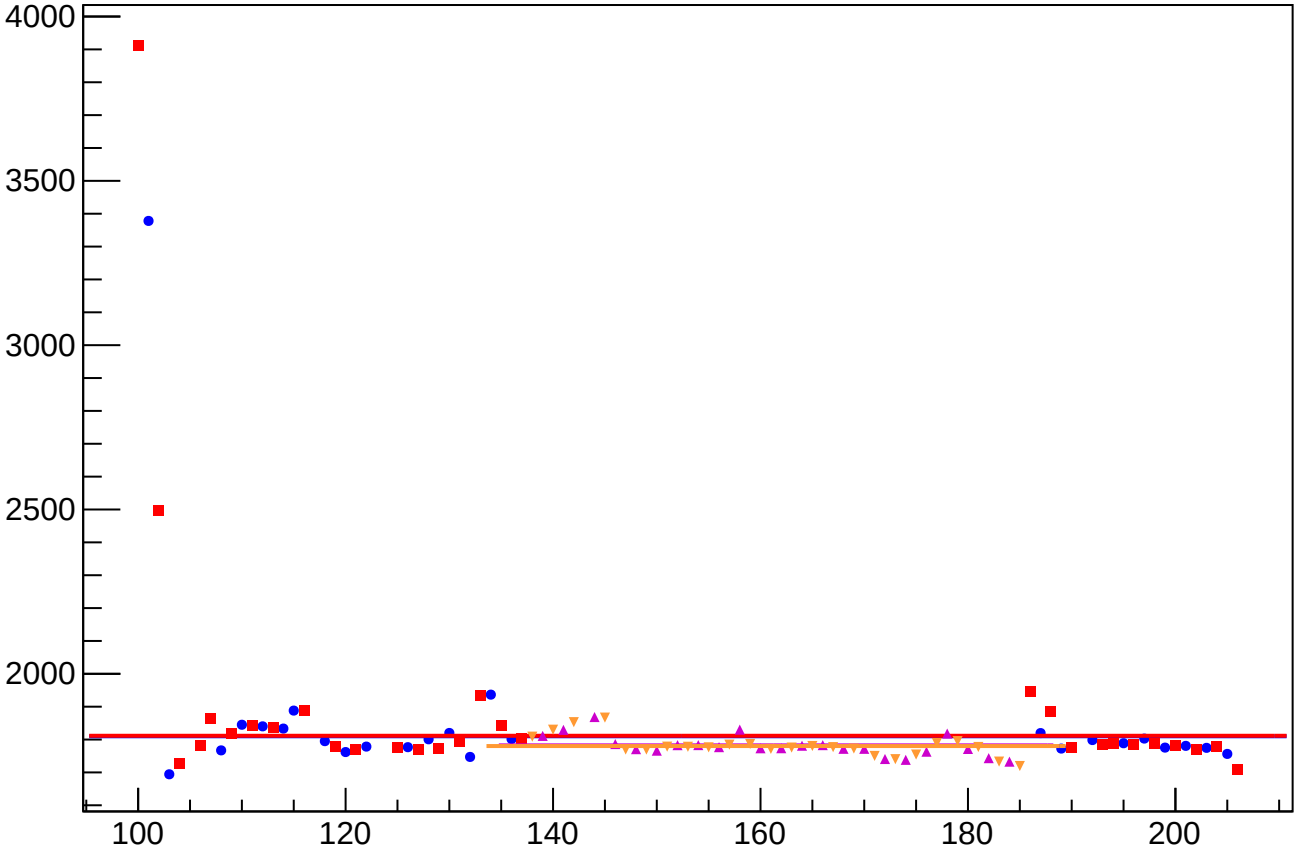
Left In: 453.237+/-416.200 χ^2/NDF:25.8/22

+ sign -850.430+/-314.478 χ^2/NDF: 42.6/48

All: -261.282+/-219.811 χ^2/NDF: 91.2/100

- sign 301.513+/-307.364 χ^2/NDF: 41.7/51

dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1809.961+/-0.343 χ^2/NDF: 299579.5/24

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

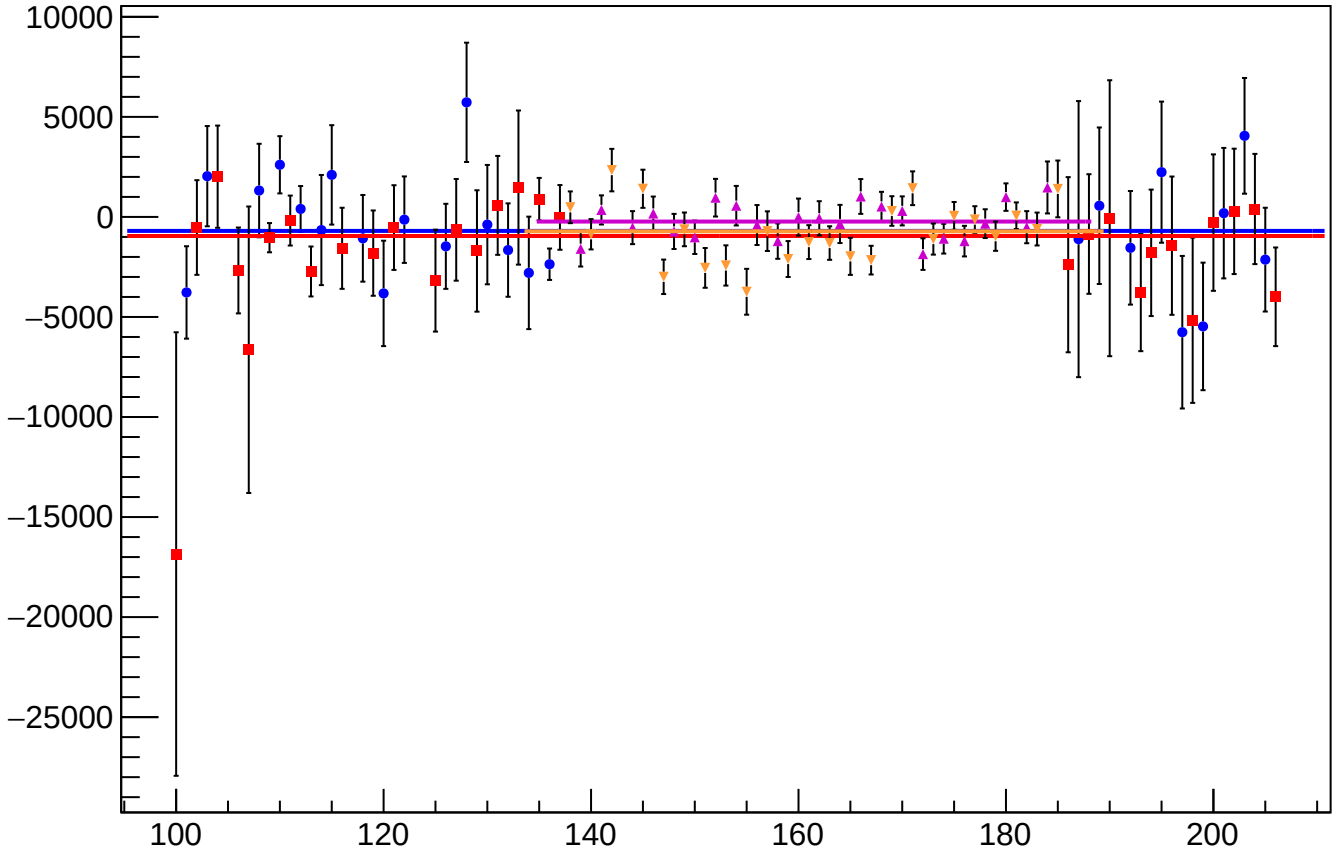
Right Out: 1811.473+/-0.322 χ^2/NDF: 149070.7/28

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1792.736+/-0.222 χ^2/NDF: 314319.4/48

All: 1794.181+/-0.155 χ^2/NDF: 479172.5/100

- sign 1795.562+/-0.217 χ^2/NDF: 164770.5/51



Right In: -698.354+/-413.458 χ^2/NDF: 30.7/24

Left Out: -716.600+/-170.602 χ^2/NDF:59.4/23

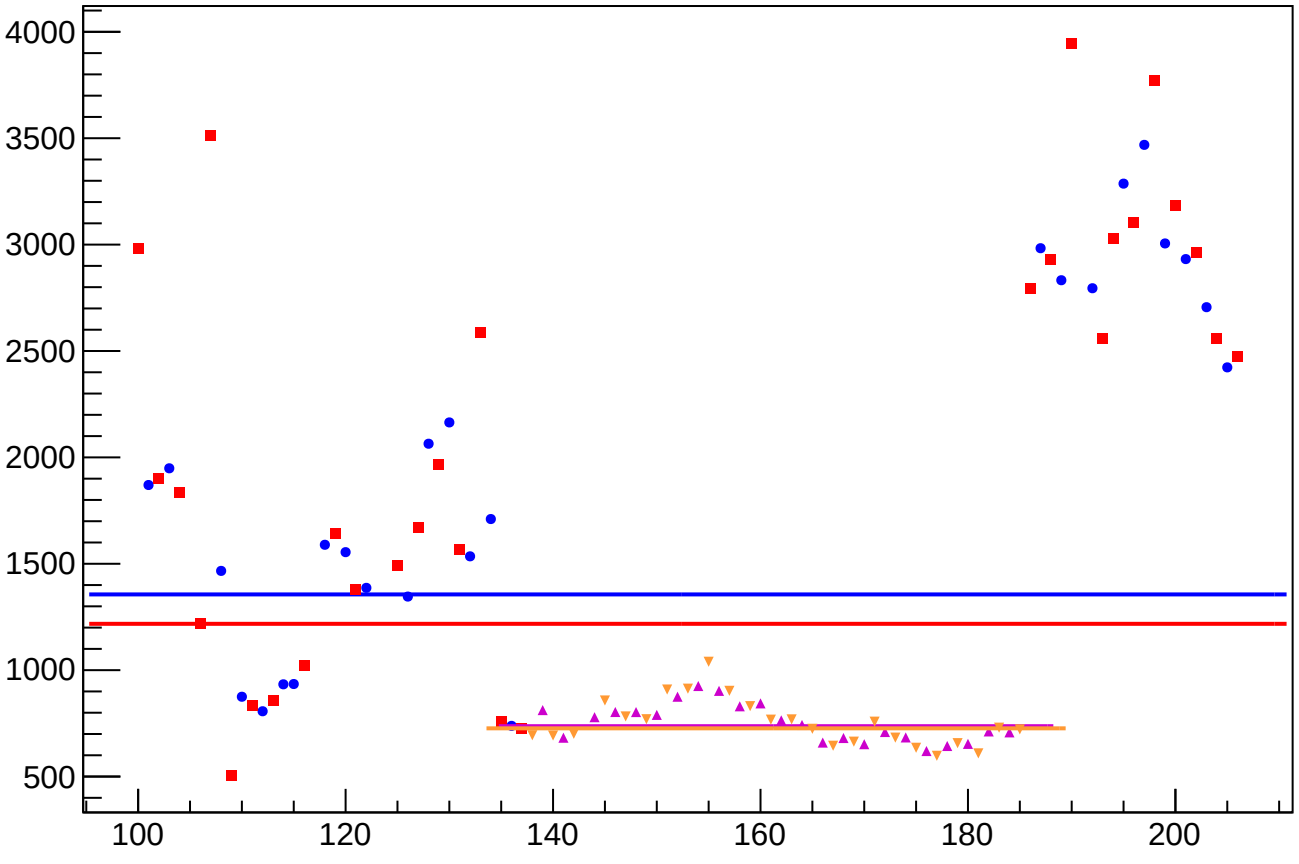
Right Out: -952.211+/-368.415 χ^2/NDF: 16.5/28

Left In: -231.320+/-173.436 χ^2/NDF:24.1/22

+ sign -713.945+/-157.705 χ^2/NDF: 90.1/48

All: -537.141+/-111.235 χ^2/NDF: 136.3/100

- sign -362.099+/-156.917 χ^2/NDF: 43.7/51



Right In: 1355.986+/-0.292 χ^2/NDF: 6485799.7/24

Left Out: 726.604+/-0.121 χ^2/NDF:684784.1/23

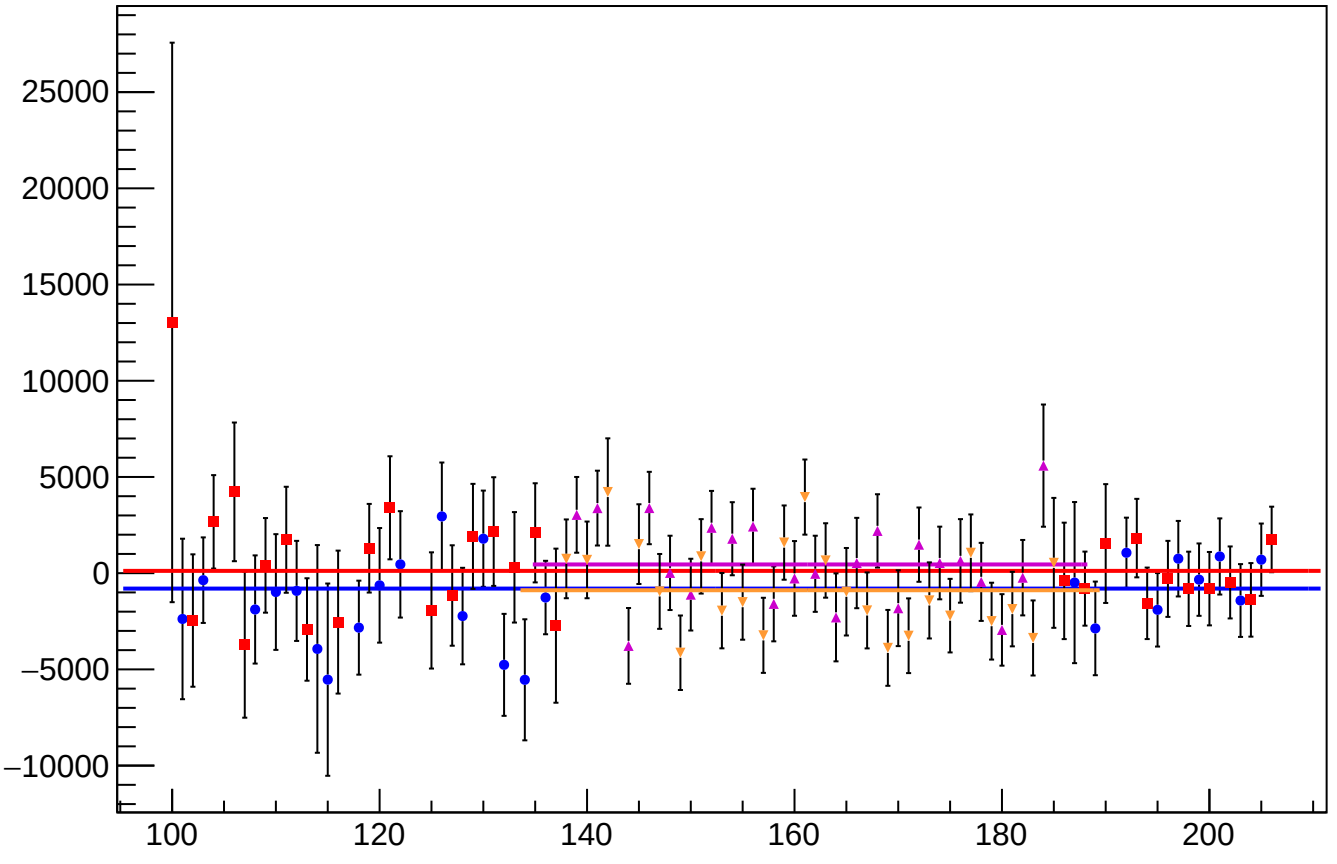
Right Out: 1217.791+/-0.261 χ^2/NDF: 9917261.8/28

Left In: 736.709+/-0.123 χ^2/NDF:465041.6/22

+ sign 818.172+/-0.112 χ^2/NDF: 11130749.9/48

All: 821.092+/-0.079 χ^2/NDF: 24306048.2/10

- sign 823.984+/-0.111 χ^2/NDF: 13173933.3/51



Right In: -800.992+/-484.770 χ^2/NDF: 14.5/24

Left Out: -886.352+/-413.227 χ^2/NDF:28.1/23

Right Out: 119.495+/-455.859 χ^2/NDF: 15.6/28

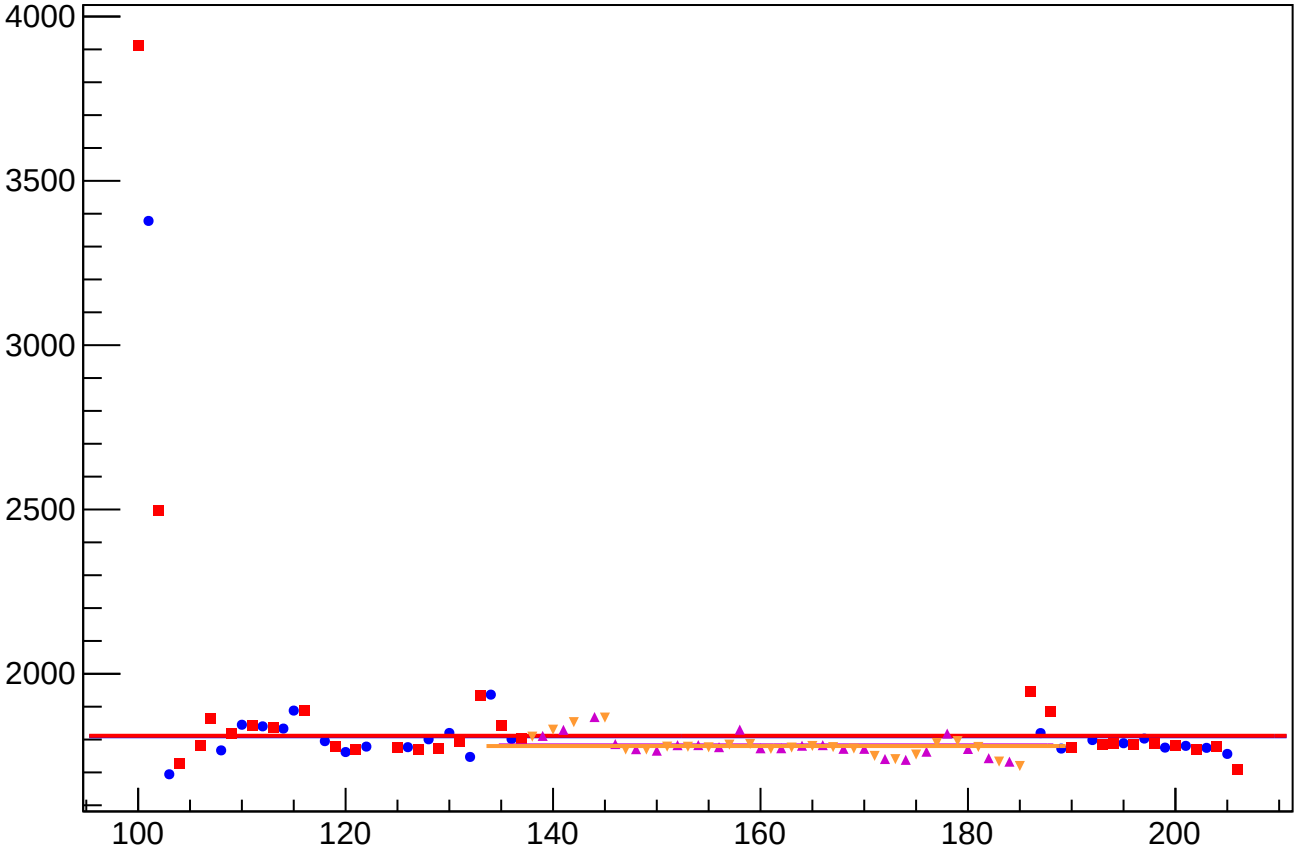
Left In: 453.236+/-416.200 χ^2/NDF:25.8/22

+ sign -850.430+/-314.478 χ^2/NDF: 42.6/48

All: -261.282+/-219.811 χ^2/NDF: 91.2/100

- sign 301.512+/-307.364 χ^2/NDF: 41.7/51

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 1809.961+/-0.343 χ^2/NDF: 299579.5/24

Left Out: 1780.220+/-0.292 χ^2/NDF:10380.2/23

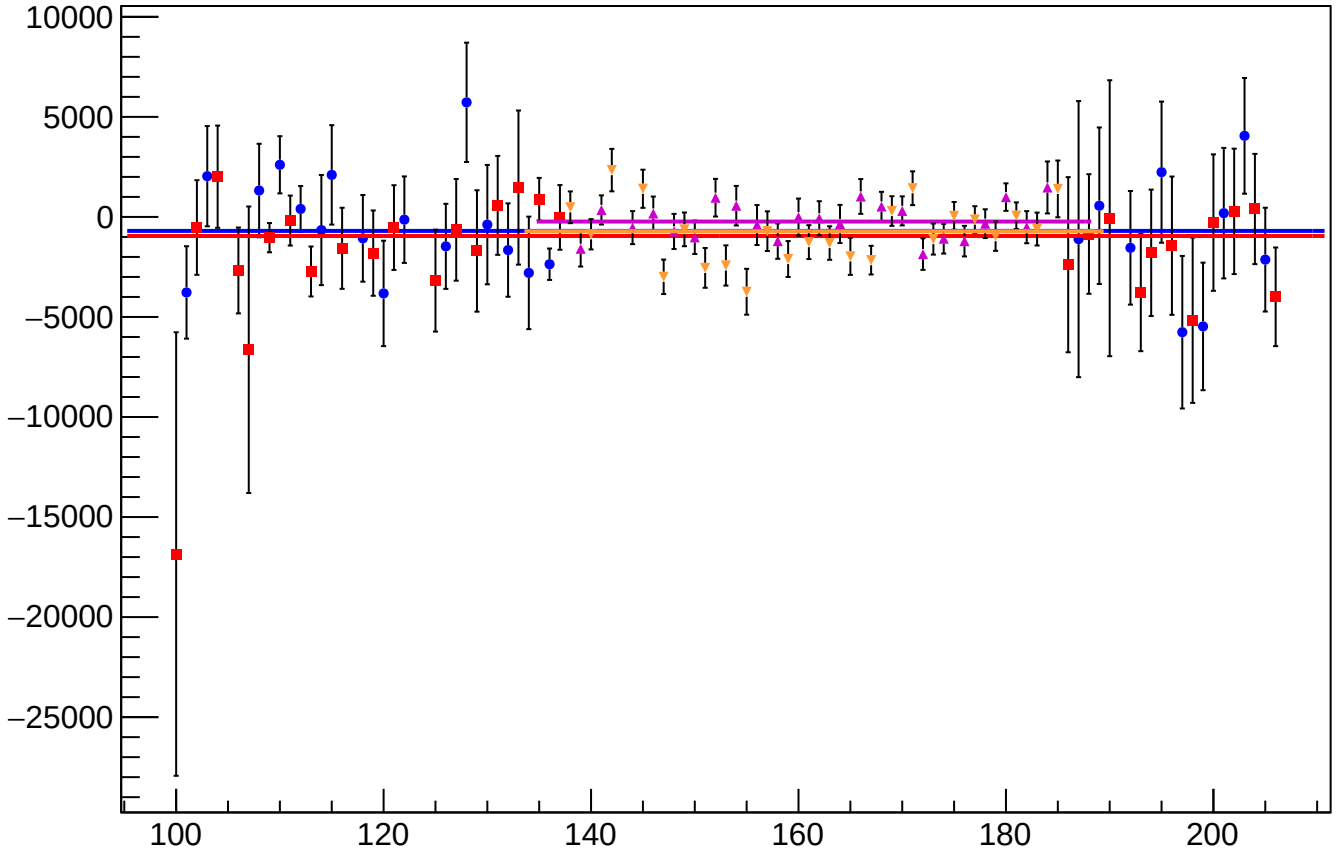
Right Out: 1811.473+/-0.322 χ^2/NDF: 149070.8/28

Left In: 1782.298+/-0.294 χ^2/NDF:11232.1/22

+ sign 1792.736+/-0.222 χ^2/NDF: 314319.5/48

All: 1794.181+/-0.155 χ^2/NDF: 479172.7/100

- sign 1795.561+/-0.217 χ^2/NDF: 164770.7/51



Right In: -698.343+/-413.459 χ^2/NDF: 30.7/24

Left Out: -716.601+/-170.602 χ^2/NDF:59.4/23

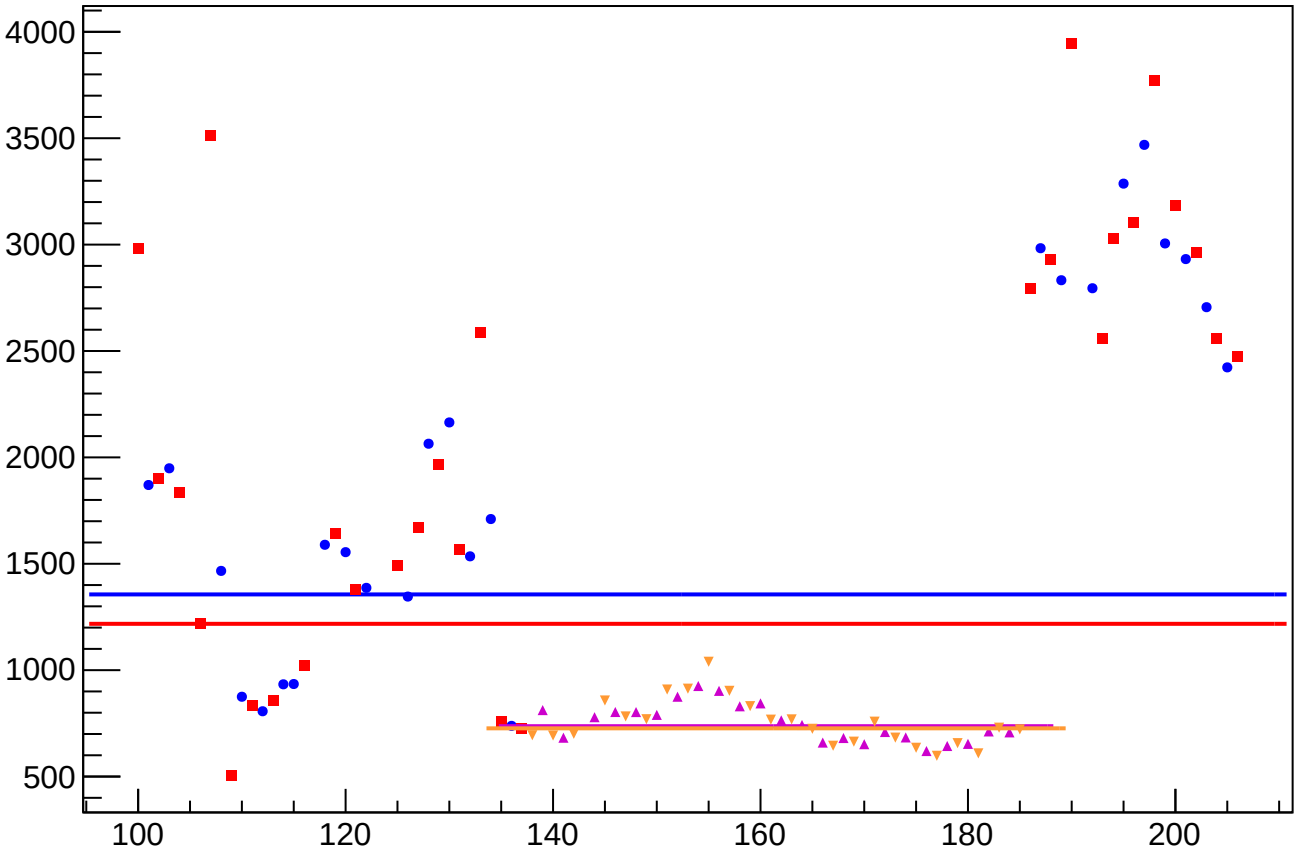
Right Out: -952.217+/-368.415 χ^2/NDF: 16.5/28

Left In: -231.318+/-173.435 χ^2/NDF:24.1/22

+ sign -713.944+/-157.705 χ^2/NDF: 90.1/48

All: -537.141+/-111.235 χ^2/NDF: 136.3/100

- sign -362.098+/-156.917 χ^2/NDF: 43.7/51



Right In: 1355.989+/-0.292 χ^2/NDF: 6485751.3/24

Left Out: 726.605+/-0.121 χ^2/NDF:684780.2/23

Right Out: 1217.793+/-0.261 χ^2/NDF: 9917222.0/28

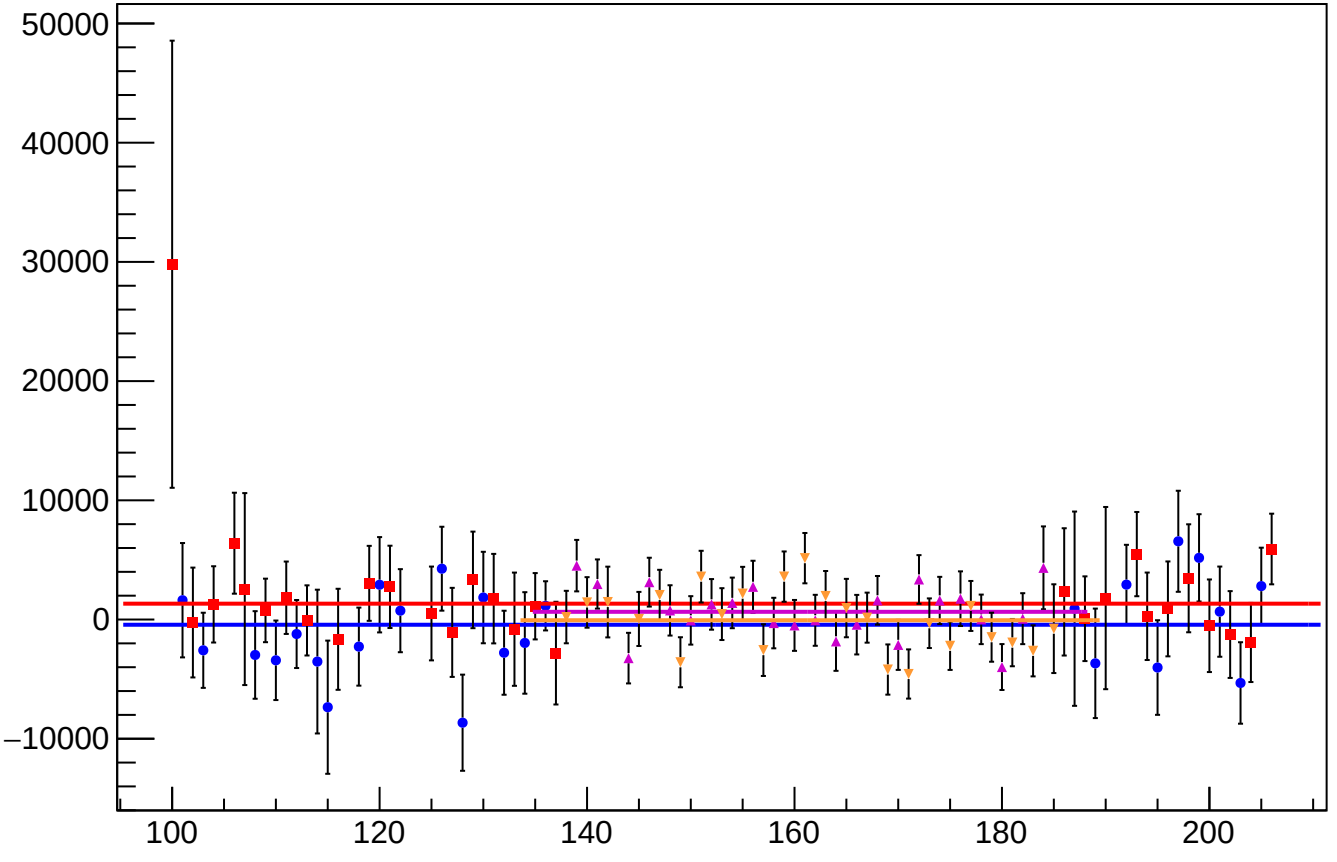
Left In: 736.709+/-0.123 χ^2/NDF:465053.4/22

+ sign 818.172+/-0.112 χ^2/NDF: 11130723.7/48

All: 821.092+/-0.079 χ^2/NDF: 24306025.5/10

- sign 823.983+/-0.111 χ^2/NDF: 13173937.2/51

asym_us_dd_atlr_dd_avg_mean vs Slug



Right In: -437.974+/-724.085 χ^2/NDF: 23.0/24

Left Out: -59.589+/-445.601 χ^2/NDF:33.0/23

Right Out: 1329.898+/-696.058 χ^2/NDF: 12.9/28

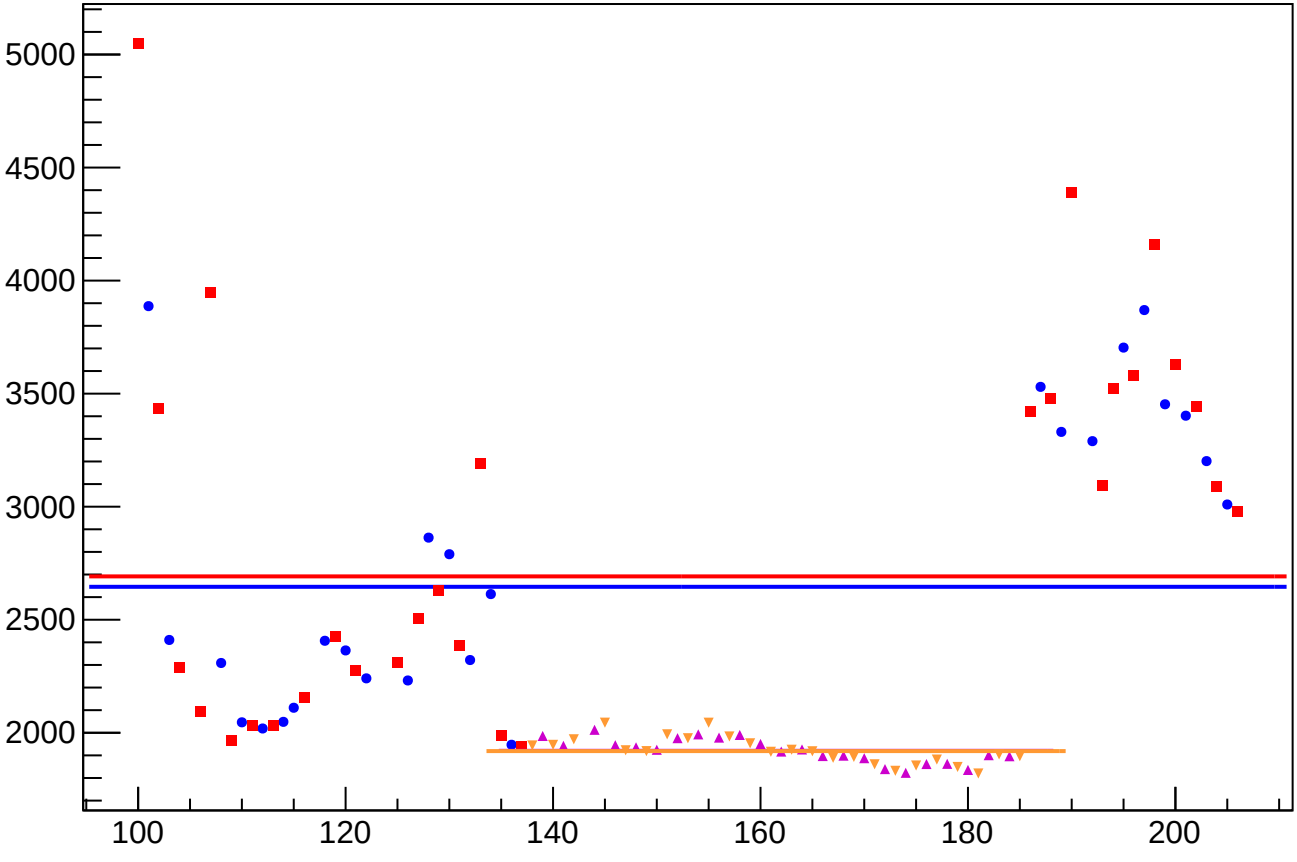
Left In: 646.910+/-448.538 χ^2/NDF:23.7/22

+ sign -163.527+/-379.498 χ^2/NDF: 56.1/48

All: 345.178+/-267.471 χ^2/NDF: 97.0/100

- sign 847.306+/-377.036 χ^2/NDF: 37.3/51

asym_us_dd_atlr_dd_avg_rms vs Slug



Right In: 2645.653+/-0.512 χ^2/NDF: 1398551.4/24

Left Out: 1918.975+/-0.315 χ^2/NDF:35574.5/23

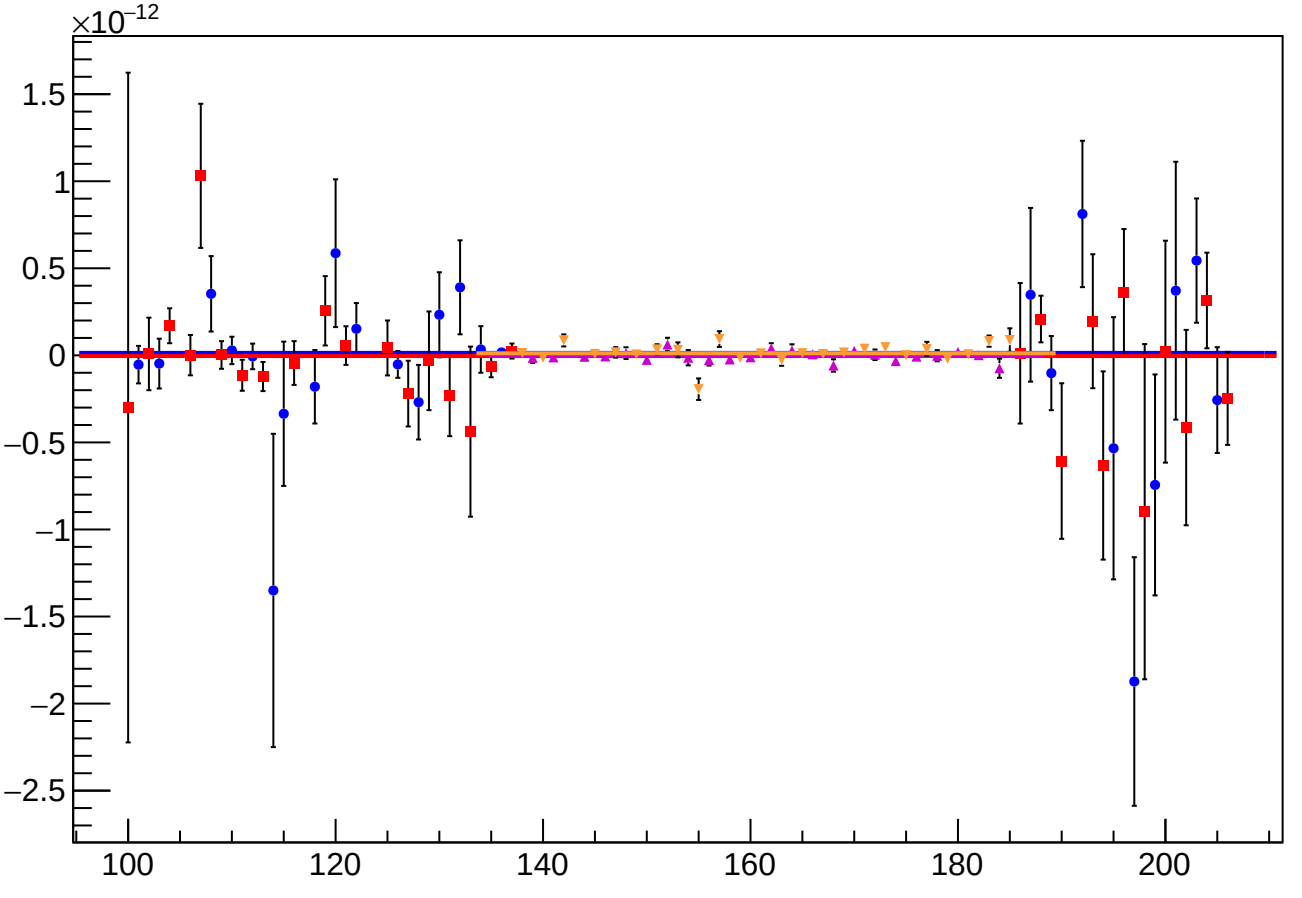
Right Out: 2691.714+/-0.492 χ^2/NDF: 1793359.6/28

Left In: 1920.214+/-0.317 χ^2/NDF:29912.0/22

+ sign 2118.585+/-0.268 χ^2/NDF: 2895159.6/48

All: 2132.675+/-0.189 χ^2/NDF: 6460037.3/10

- sign 2146.582+/-0.267 χ^2/NDF: 3559399.6/51



Right In: 0.000+/-0.000 χ^2/NDF: 31.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/23

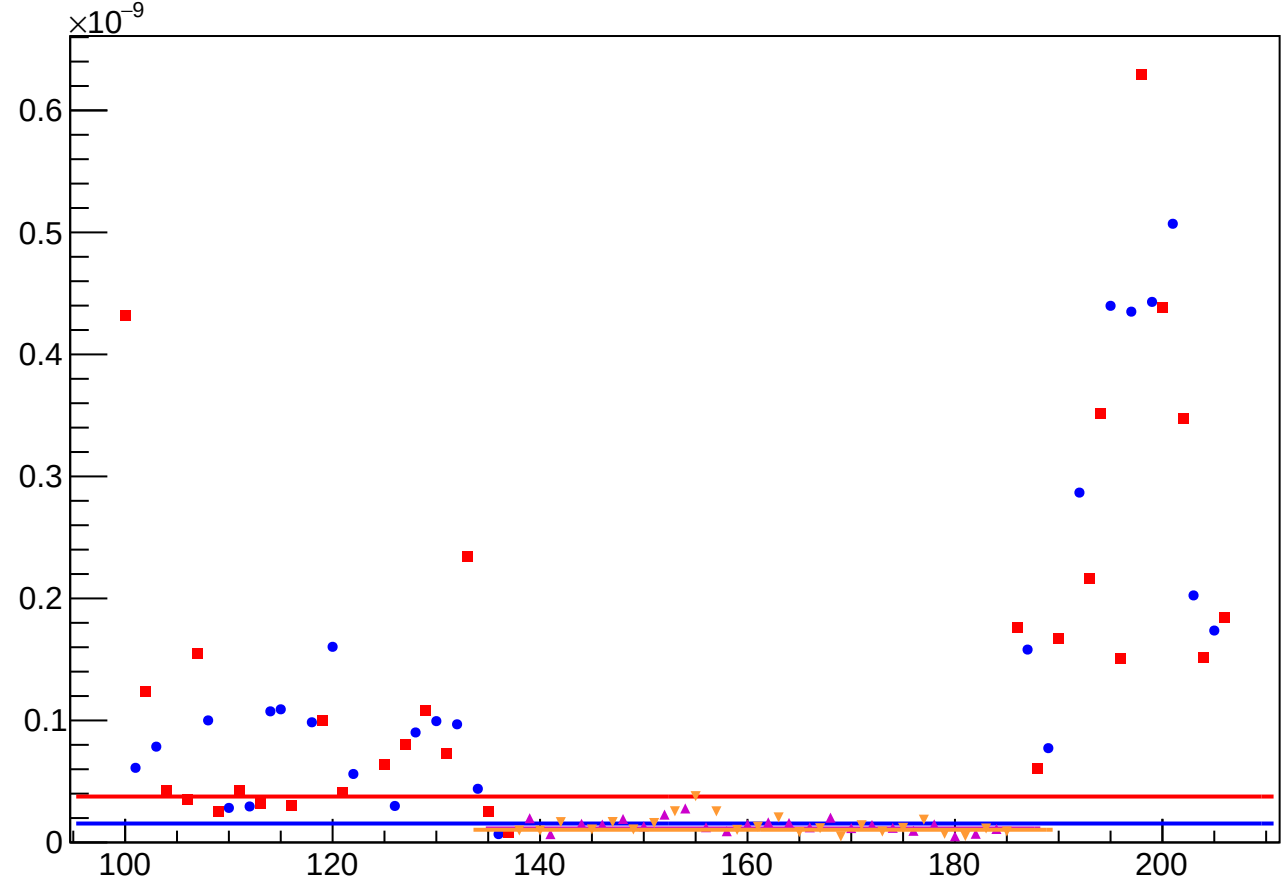
Right Out: -0.000+/-0.000 χ^2/NDF: 30.1/28

Left In: -0.000+/-0.000 χ^2/NDF:19.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.6/48

All: 0.000+/-0.000 χ^2/NDF: 124.5/100

- sign -0.000+/-0.000 χ^2/NDF: 49.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 8827765.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2075235.5/23

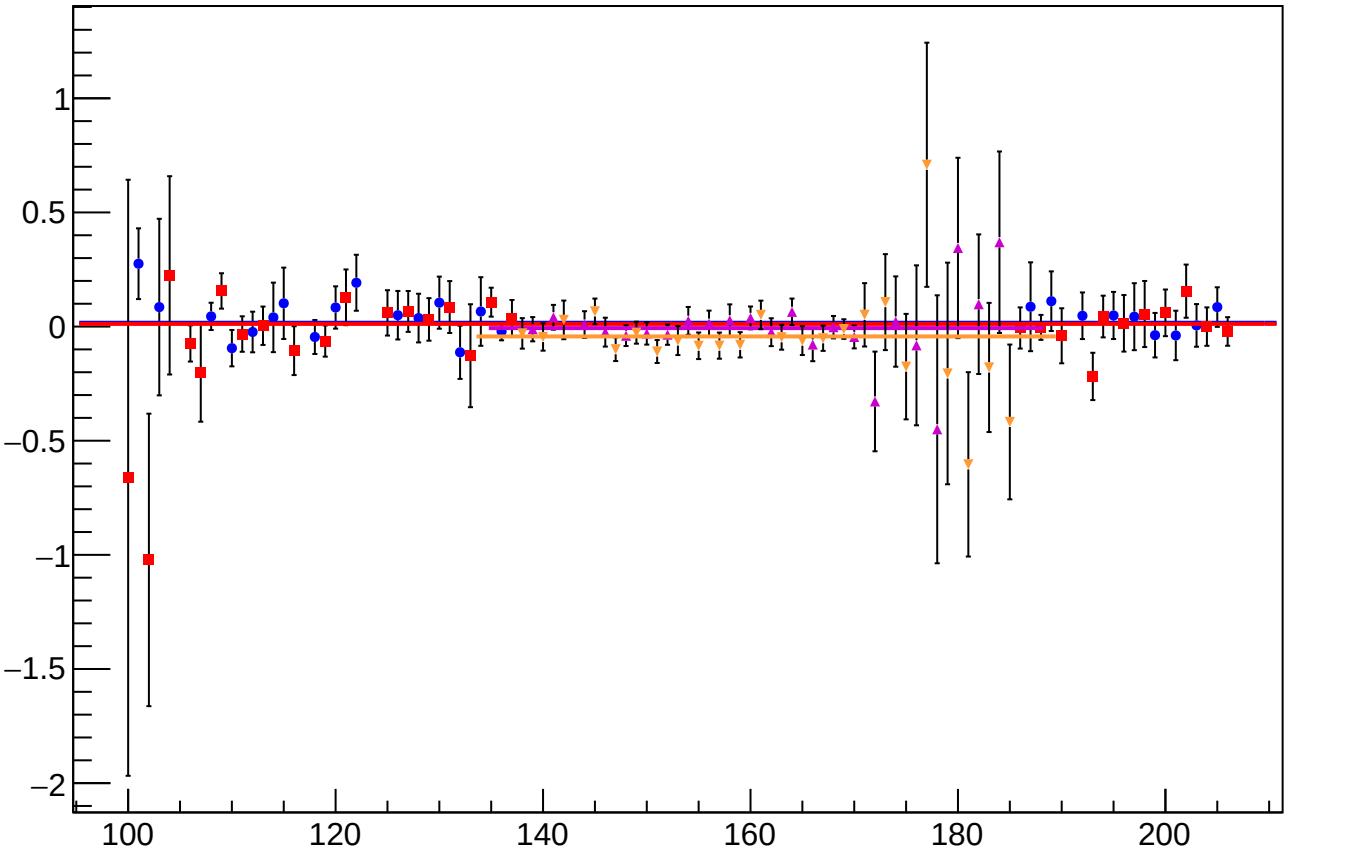
Right Out: 0.000+/-0.000 χ^2/NDF: 7386683.7/28

Left In: 0.000+/-0.000 χ^2/NDF:1894438.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11144458.4/48

All: 0.000+/-0.000 χ^2/NDF: 22963211.6/100

- sign 0.000+/-0.000 χ^2/NDF: 11689447.6/51



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

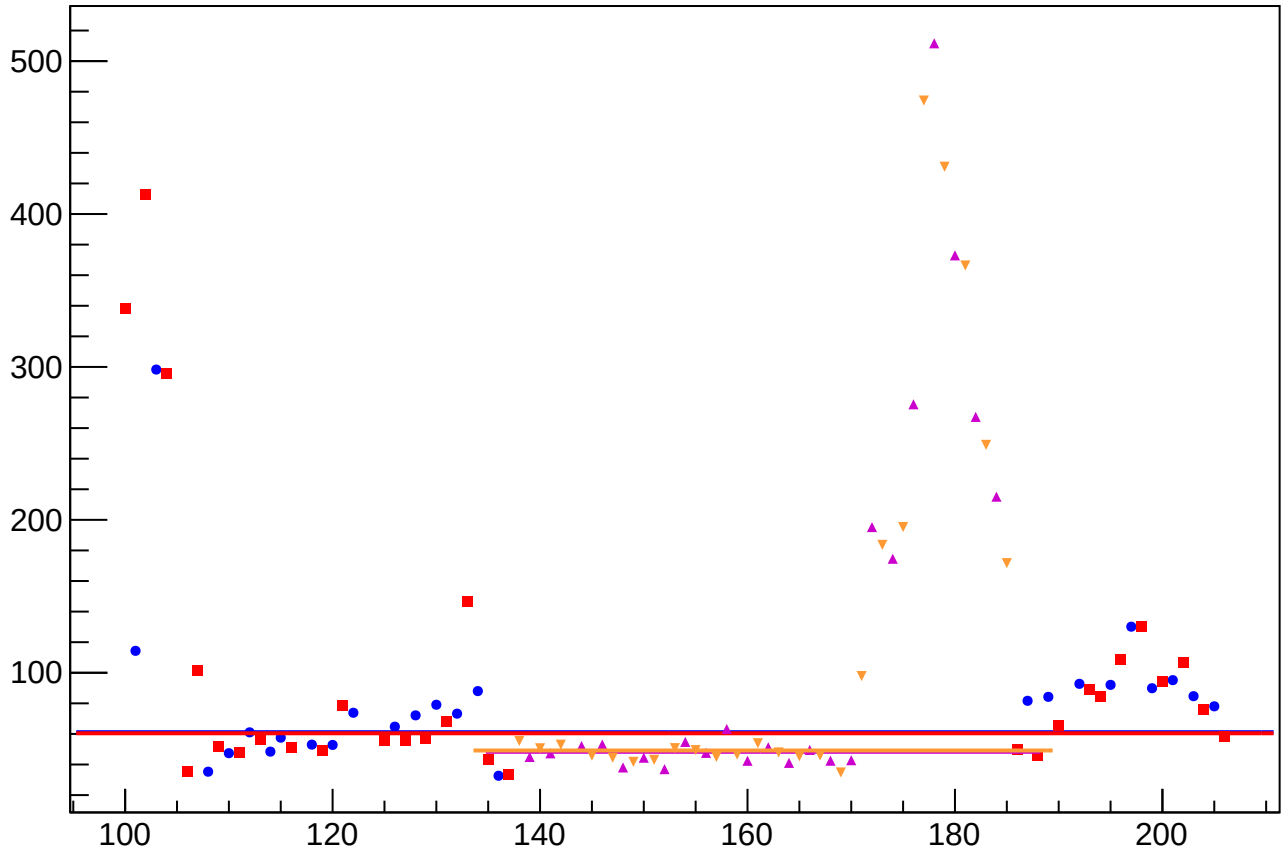
Right Out: 0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.022+/-0.011 χ^2/NDF: 39.4/48

All: -0.010+/-0.008 χ^2/NDF: 77.1/100

- sign 0.000+/-0.011 χ^2/NDF: 35.7/51



Right In: 61.133+/-0.013 χ^2/NDF: 4200575.9/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

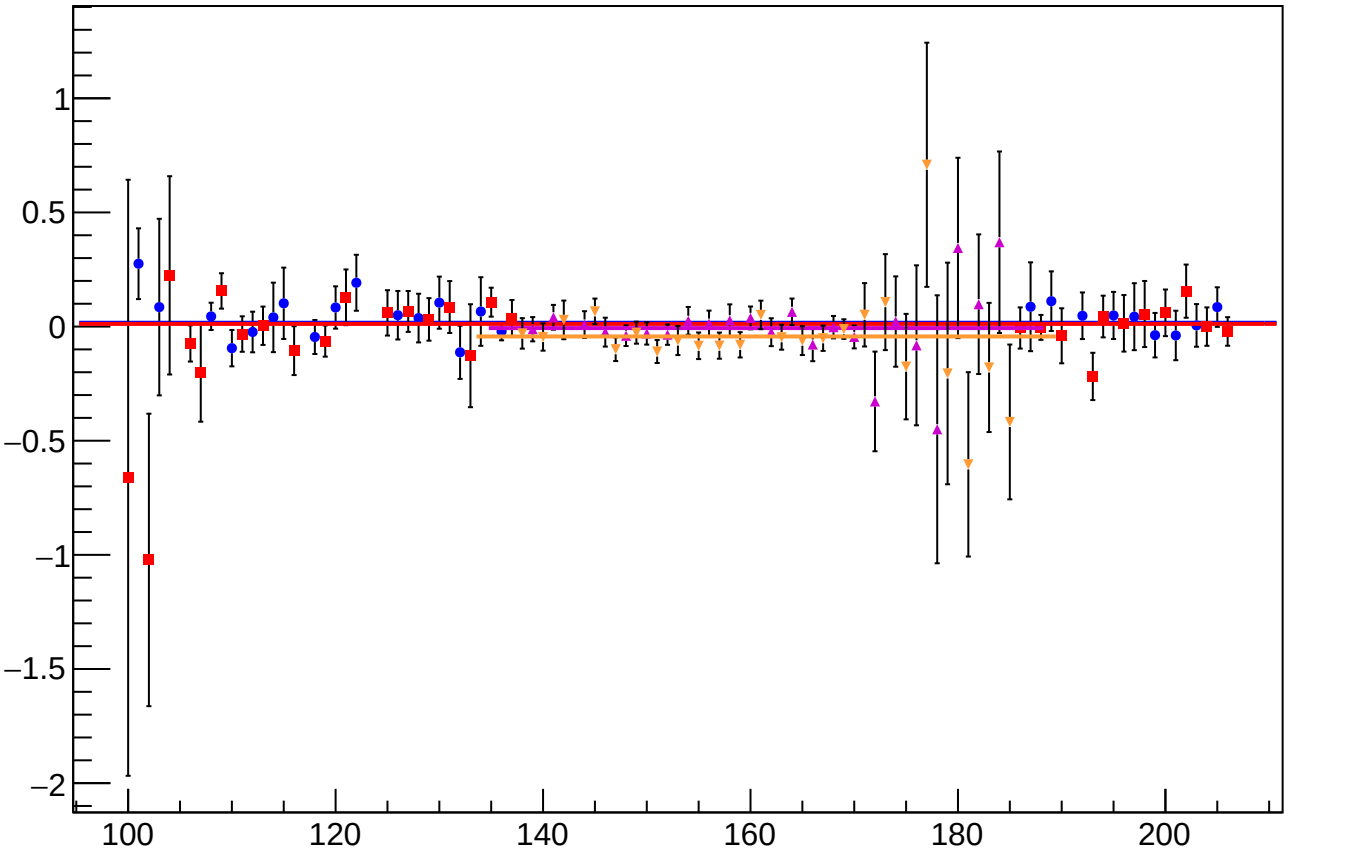
Right Out: 60.429+/-0.012 χ^2/NDF: 4272394.0/28

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 53.426+/-0.008 χ^2/NDF: 11975654.9/48

All: 53.131+/-0.005 χ^2/NDF: 23895219.0/100

- sign 52.861+/-0.008 χ^2/NDF: 11916888.1/51



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

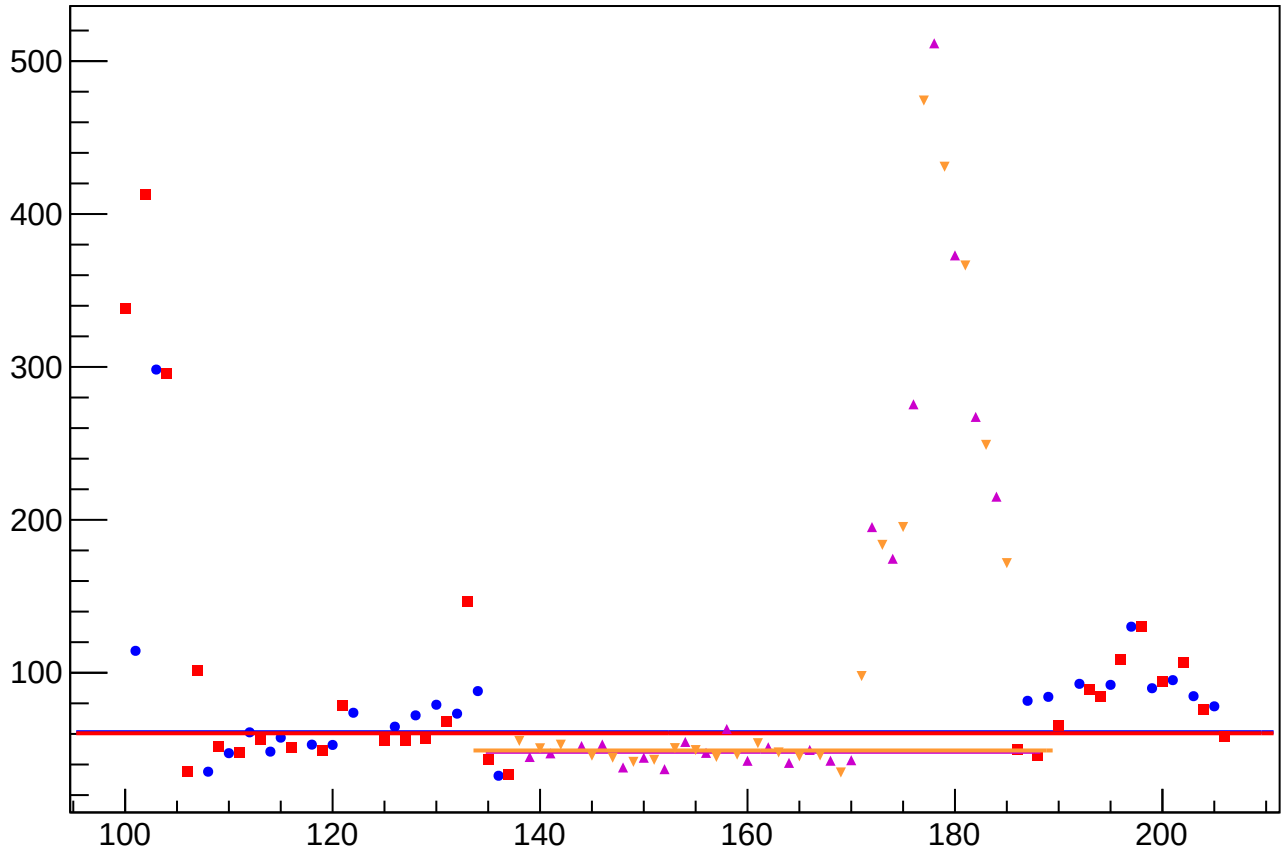
Right Out: 0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.022+/-0.011 χ^2/NDF: 39.4/48

All: -0.010+/-0.008 χ^2/NDF: 77.1/100

- sign 0.000+/-0.011 χ^2/NDF: 35.7/51



Right In: 61.133+/-0.013 χ^2/NDF: 4200575.9/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250092.4/23

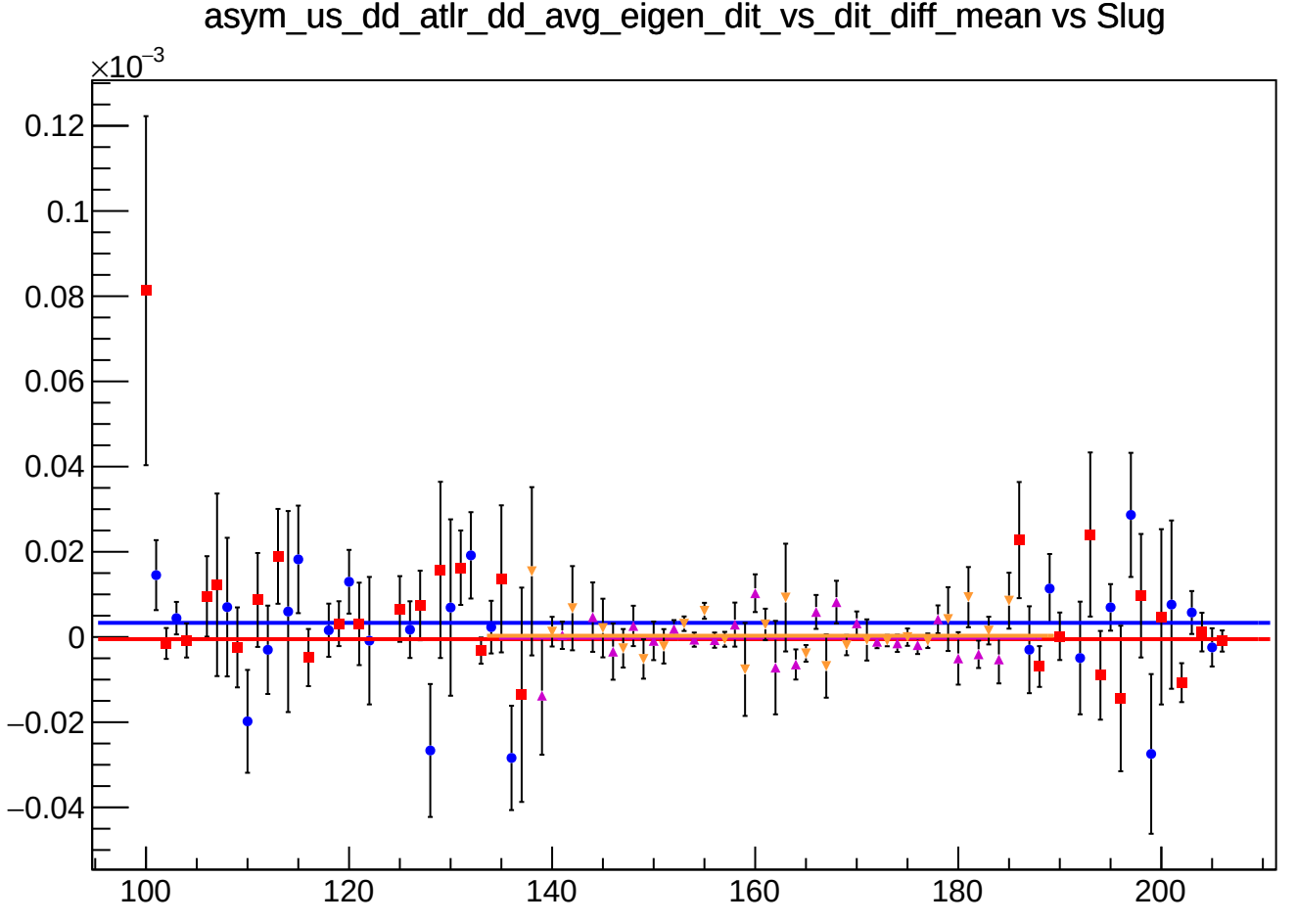
Right Out: 60.429+/-0.012 χ^2/NDF: 4272394.0/28

Left In: 48.307+/-0.010 χ^2/NDF:7040663.5/22

+ sign 53.426+/-0.008 χ^2/NDF: 11975654.9/48

All: 53.131+/-0.005 χ^2/NDF: 23895219.0/100

- sign 52.861+/-0.008 χ^2/NDF: 11916888.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 32.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.8/23

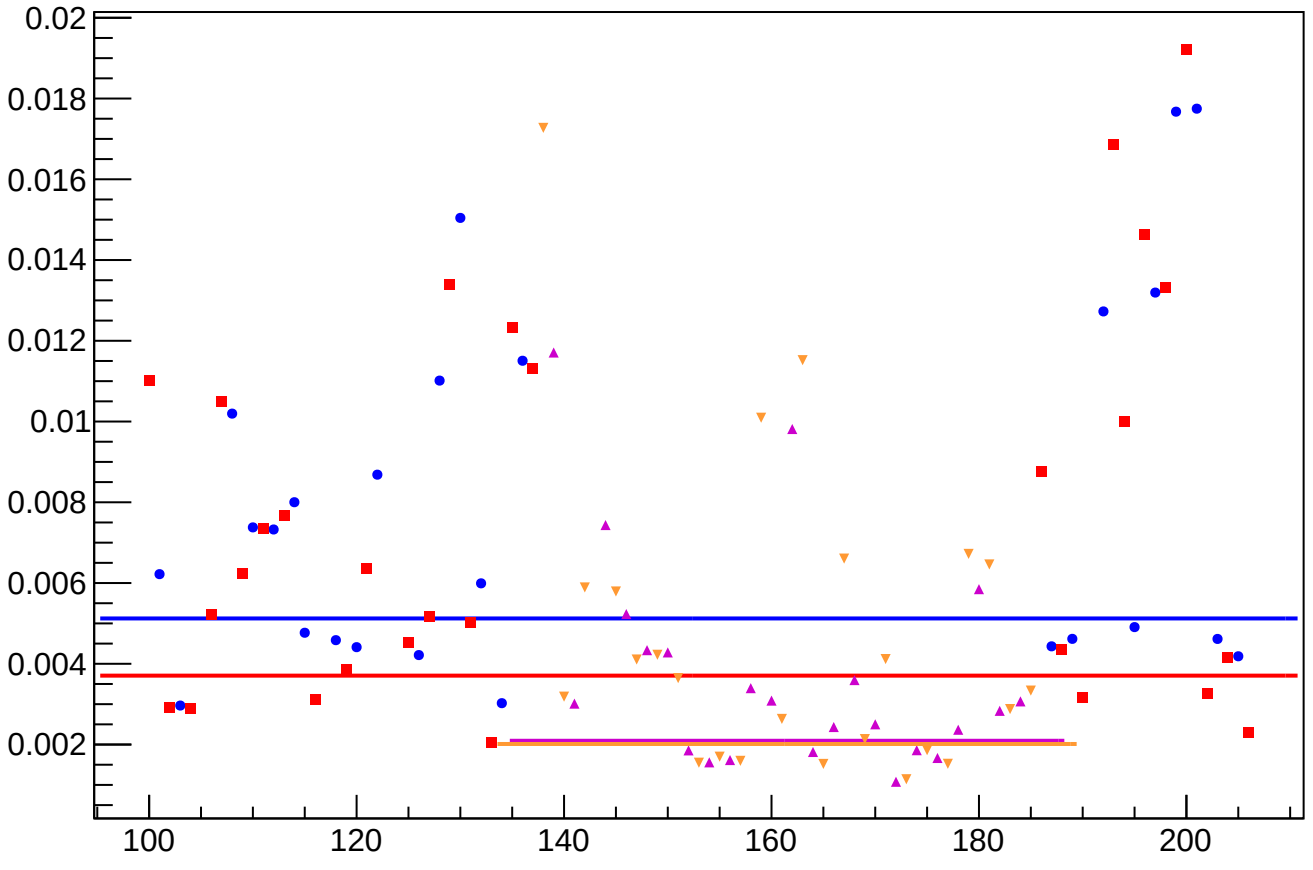
Right Out: -0.000+/-0.000 χ^2/NDF: 31.6/28

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.1/48

All: 0.000+/-0.000 χ^2/NDF: 122.3/100

- sign -0.000+/-0.000 χ^2/NDF: 56.9/51



Right In: 0.005+/-0.000 χ^2/NDF: 5895060.2/24

Left Out: 0.002+/-0.000 χ^2/NDF:10262318.5/23

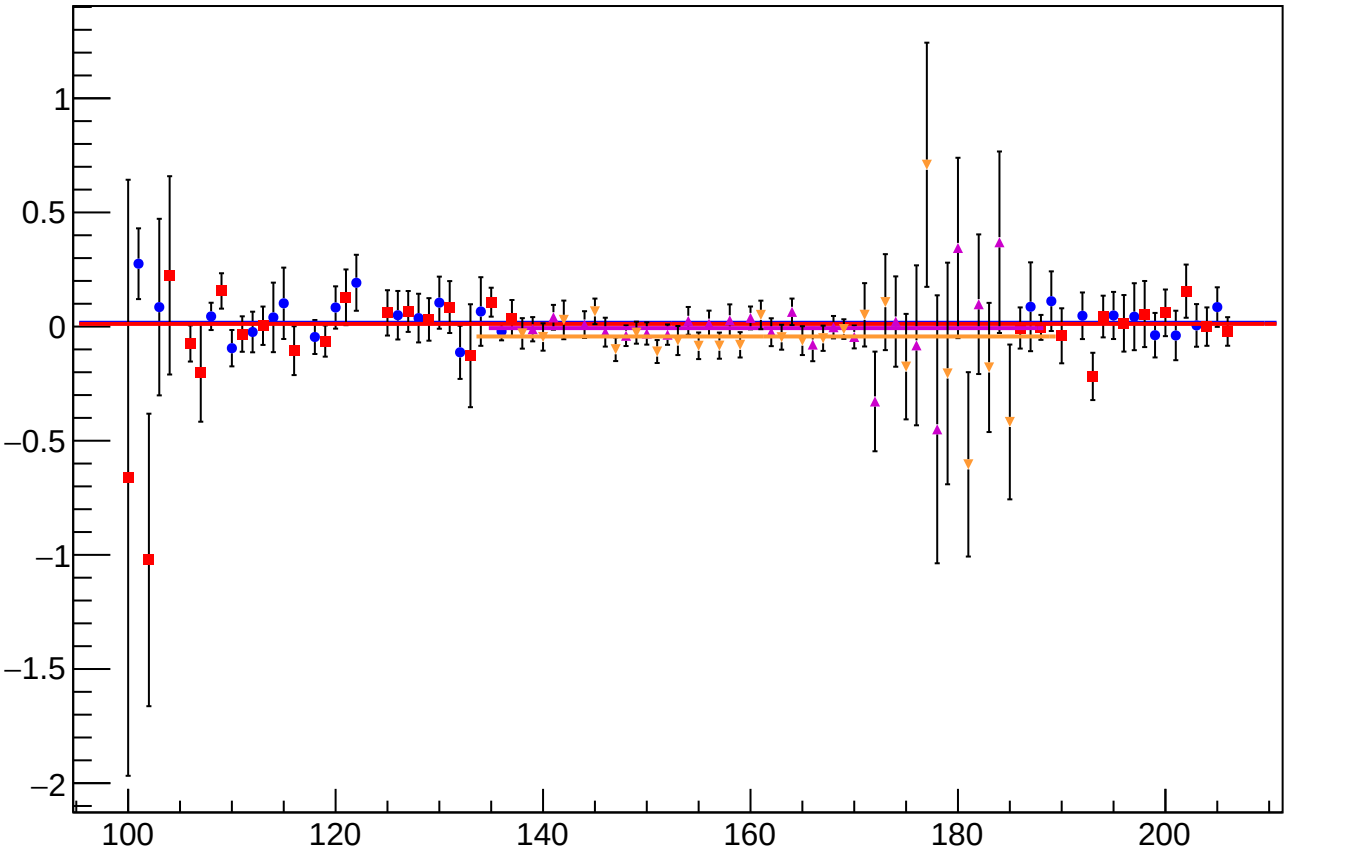
Right Out: 0.004+/-0.000 χ^2/NDF: 8616952.5/28

Left In: 0.002+/-0.000 χ^2/NDF:7141979.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 22927157.1/48

All: 0.002+/-0.000 χ^2/NDF: 41834178.8/100

- sign 0.002+/-0.000 χ^2/NDF: 18880100.1/51



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

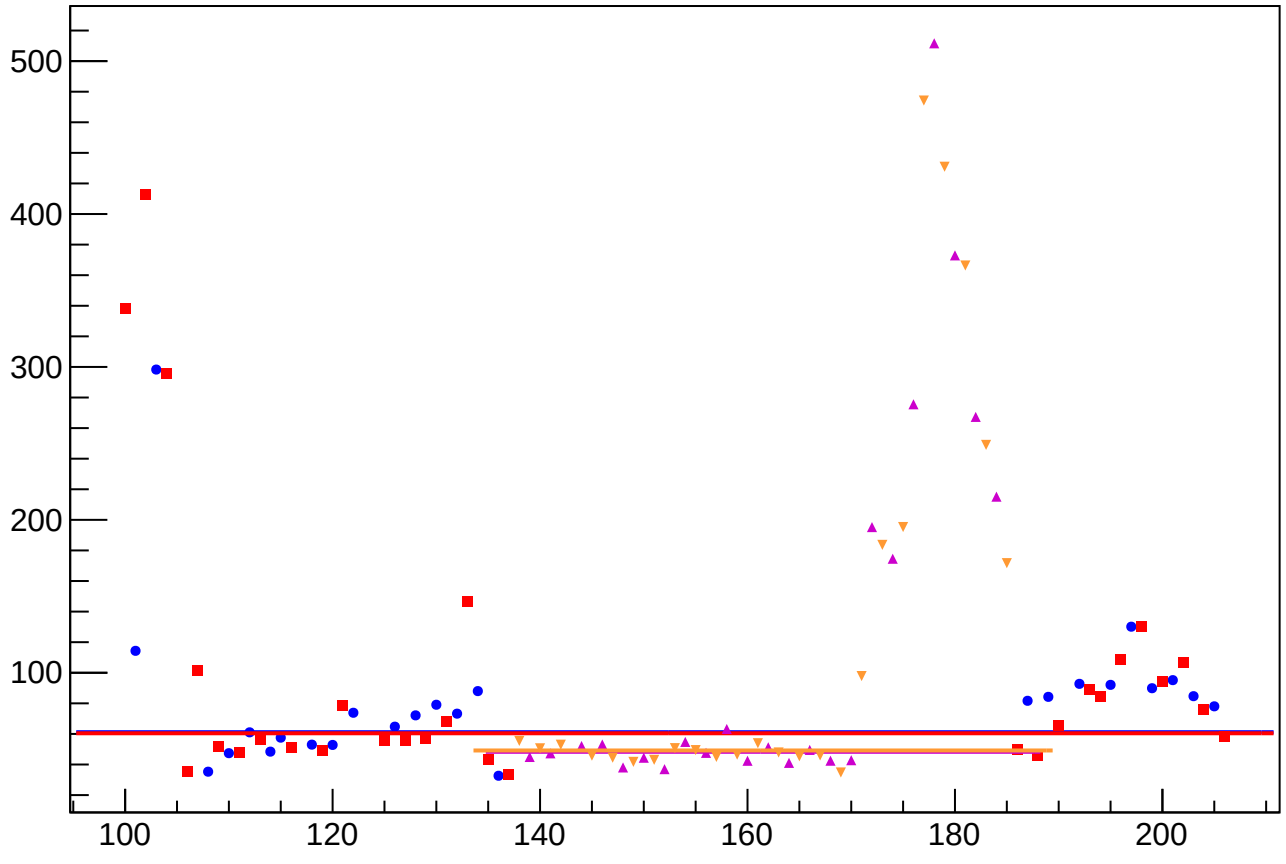
Right Out: 0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.022+/-0.011 χ^2/NDF: 39.4/48

All: -0.010+/-0.008 χ^2/NDF: 77.1/100

- sign 0.000+/-0.011 χ^2/NDF: 35.7/51



Right In: 61.133+/-0.013 χ^2/NDF: 4200408.1/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

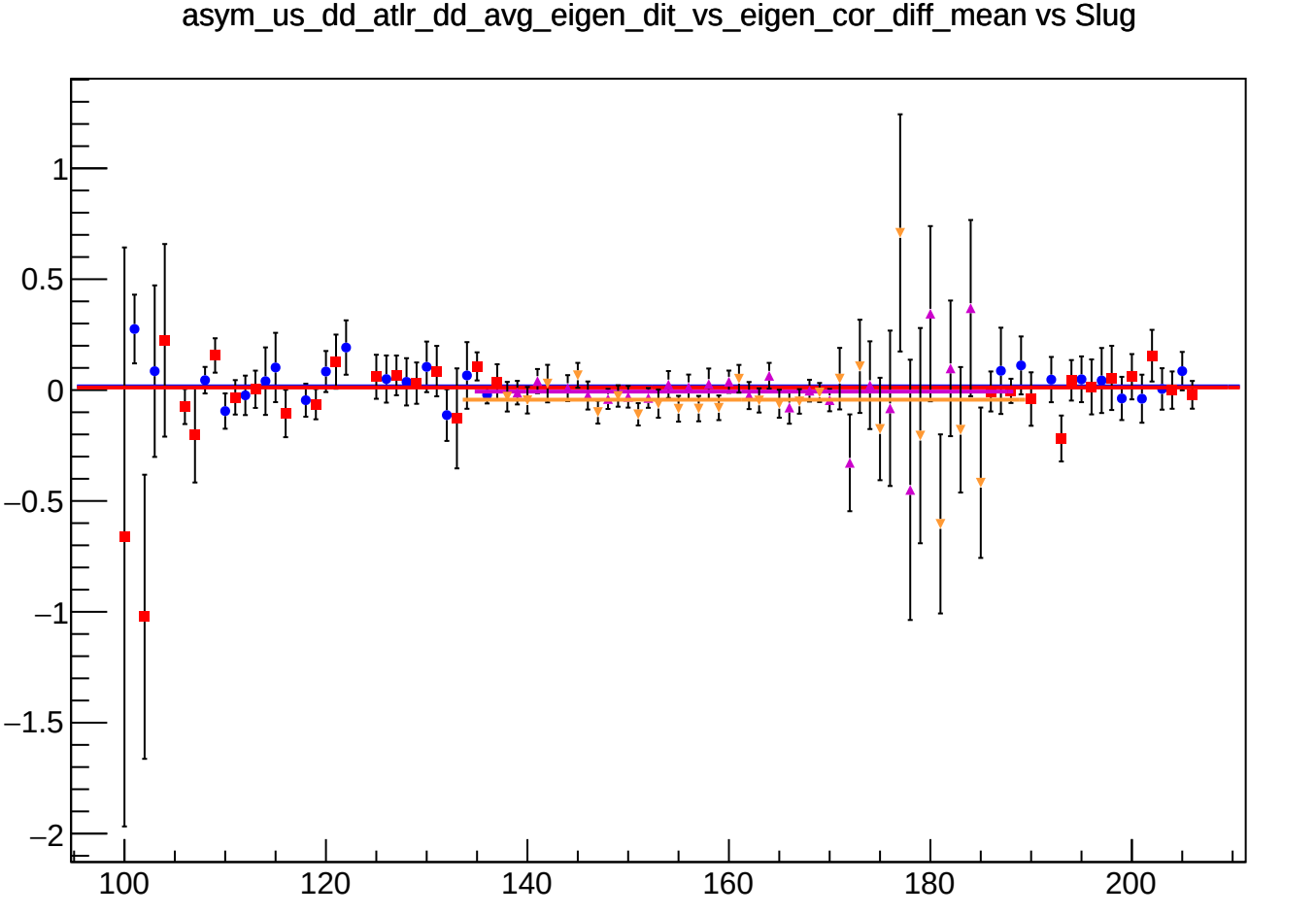
Right Out: 60.429+/-0.012 χ^2/NDF: 4272258.3/28

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 53.426+/-0.008 χ^2/NDF: 11975562.0/48

All: 53.131+/-0.005 χ^2/NDF: 23894938.3/100

- sign 52.862+/-0.008 χ^2/NDF: 11916705.3/51



Right In: 0.017+/-0.019 χ^2/NDF: 13.9/24

Left Out: -0.043+/-0.014 χ^2/NDF:18.9/23

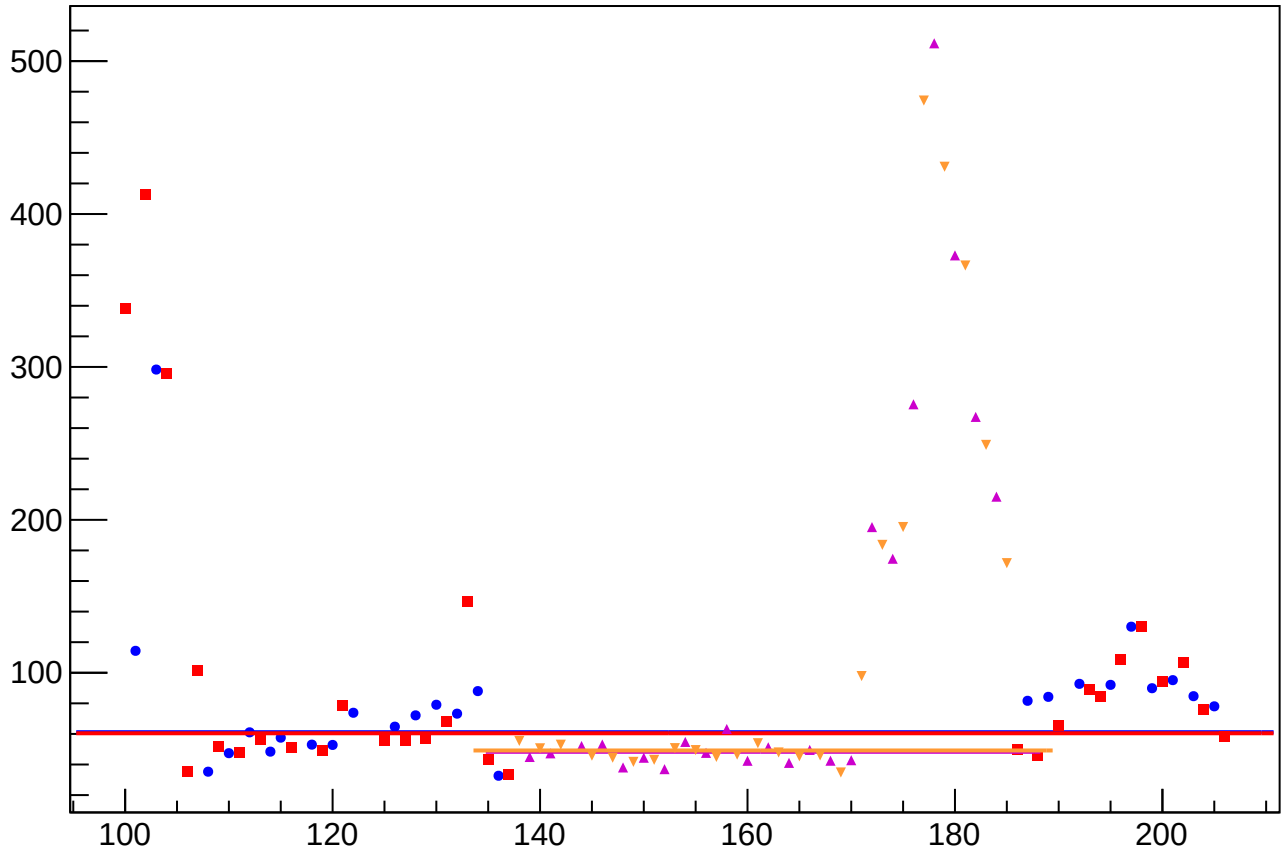
Right Out: 0.012+/-0.017 χ^2/NDF: 23.7/28

Left In: -0.007+/-0.014 χ^2/NDF:11.3/22

+ sign -0.022+/-0.011 χ^2/NDF: 39.4/48

All: -0.010+/-0.008 χ^2/NDF: 77.1/100

- sign 0.000+/-0.011 χ^2/NDF: 35.7/51



Right In: 61.133+/-0.013 χ^2/NDF: 4200408.1/24

Left Out: 49.180+/-0.010 χ^2/NDF:7250102.5/23

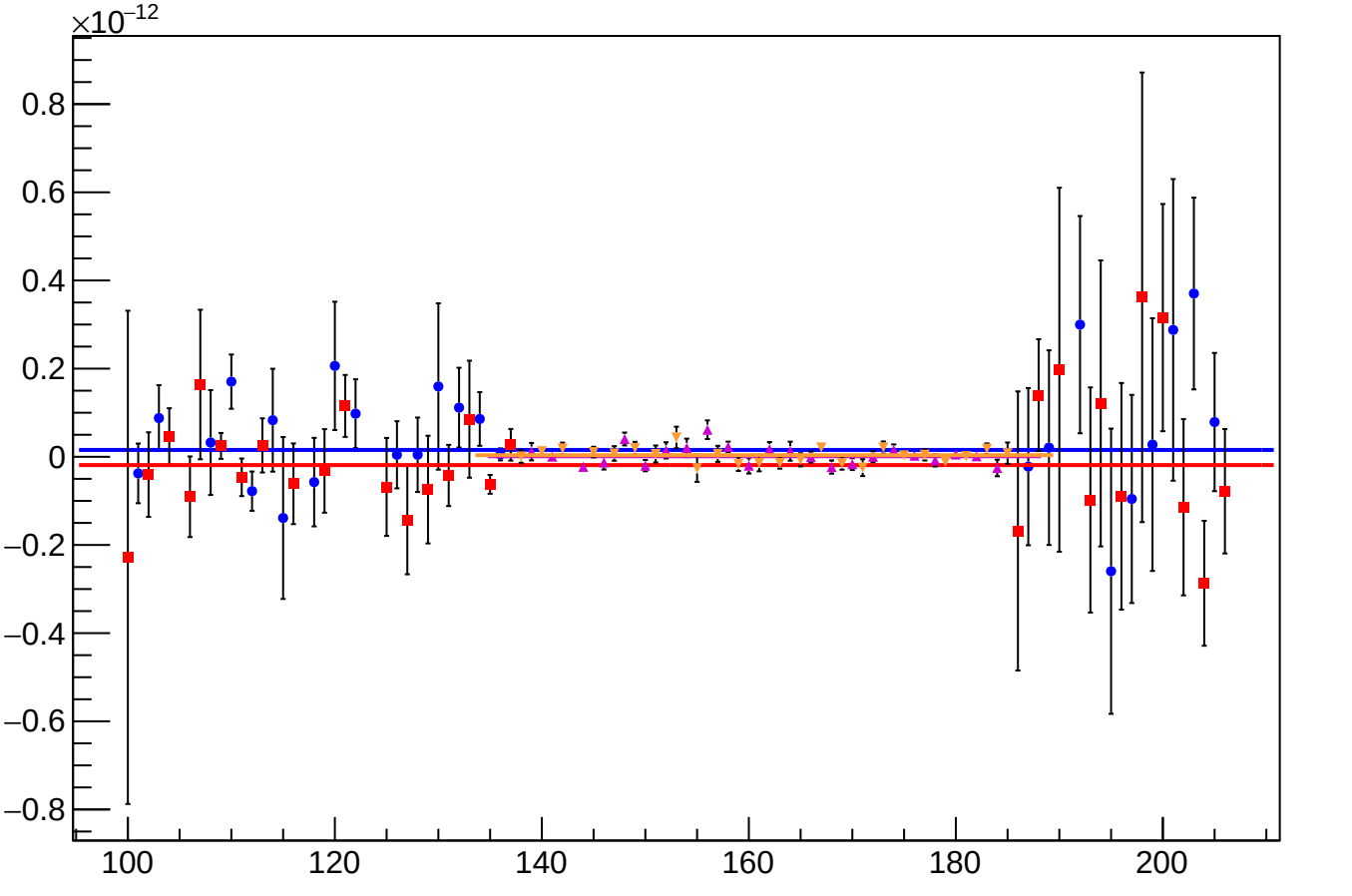
Right Out: 60.429+/-0.012 χ^2/NDF: 4272258.3/28

Left In: 48.307+/-0.010 χ^2/NDF:7040585.4/22

+ sign 53.426+/-0.008 χ^2/NDF: 11975562.0/48

All: 53.131+/-0.005 χ^2/NDF: 23894938.3/100

- sign 52.862+/-0.008 χ^2/NDF: 11916705.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 26.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:24.6/23

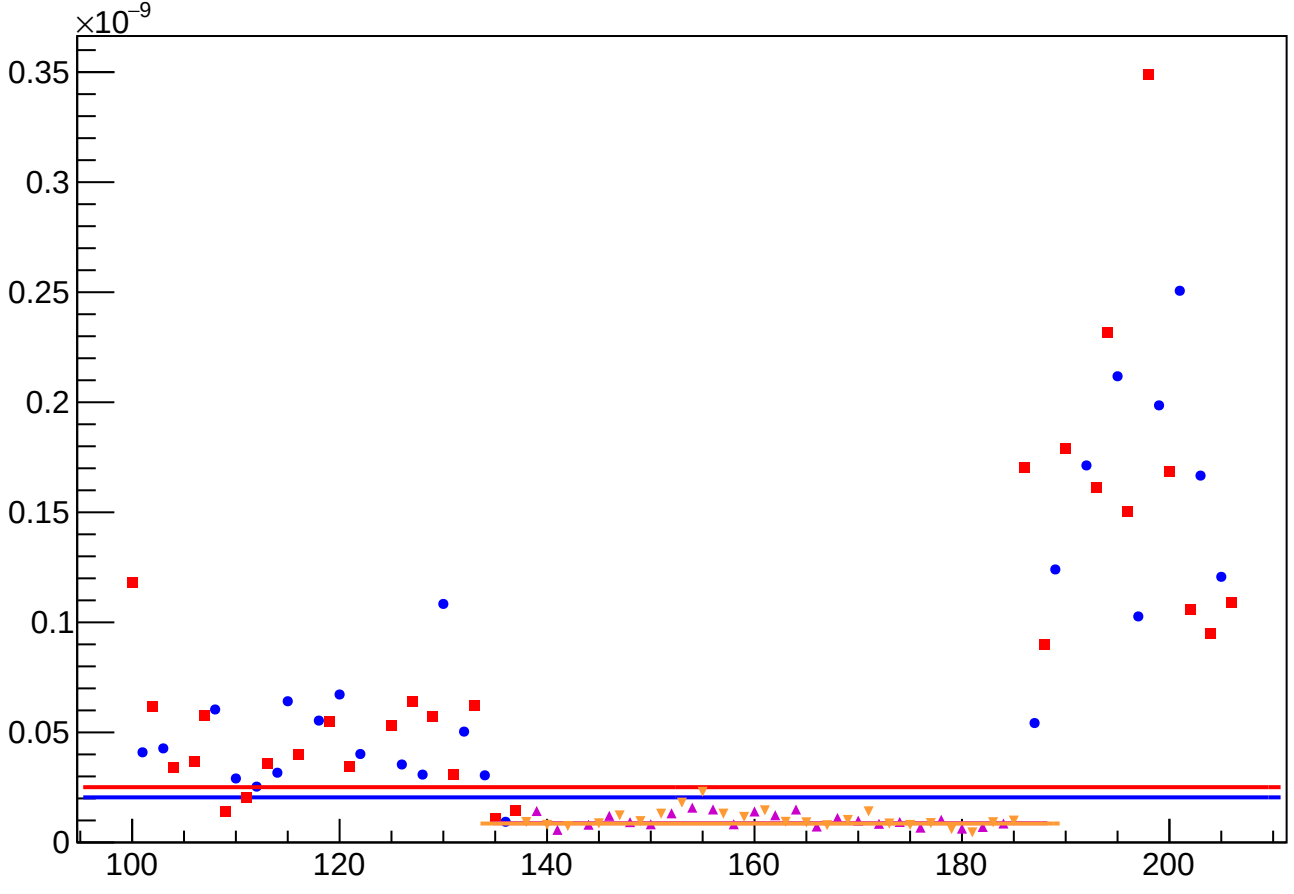
Right Out: -0.000+/-0.000 χ^2/NDF: 26.7/28

Left In: 0.000+/-0.000 χ^2/NDF:40.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.8/48

All: 0.000+/-0.000 χ^2/NDF: 122.2/100

- sign 0.000+/-0.000 χ^2/NDF: 69.3/51



Right In: 0.000+/-0.000 χ^2/NDF: 9105199.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2499872.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 8842162.8/28

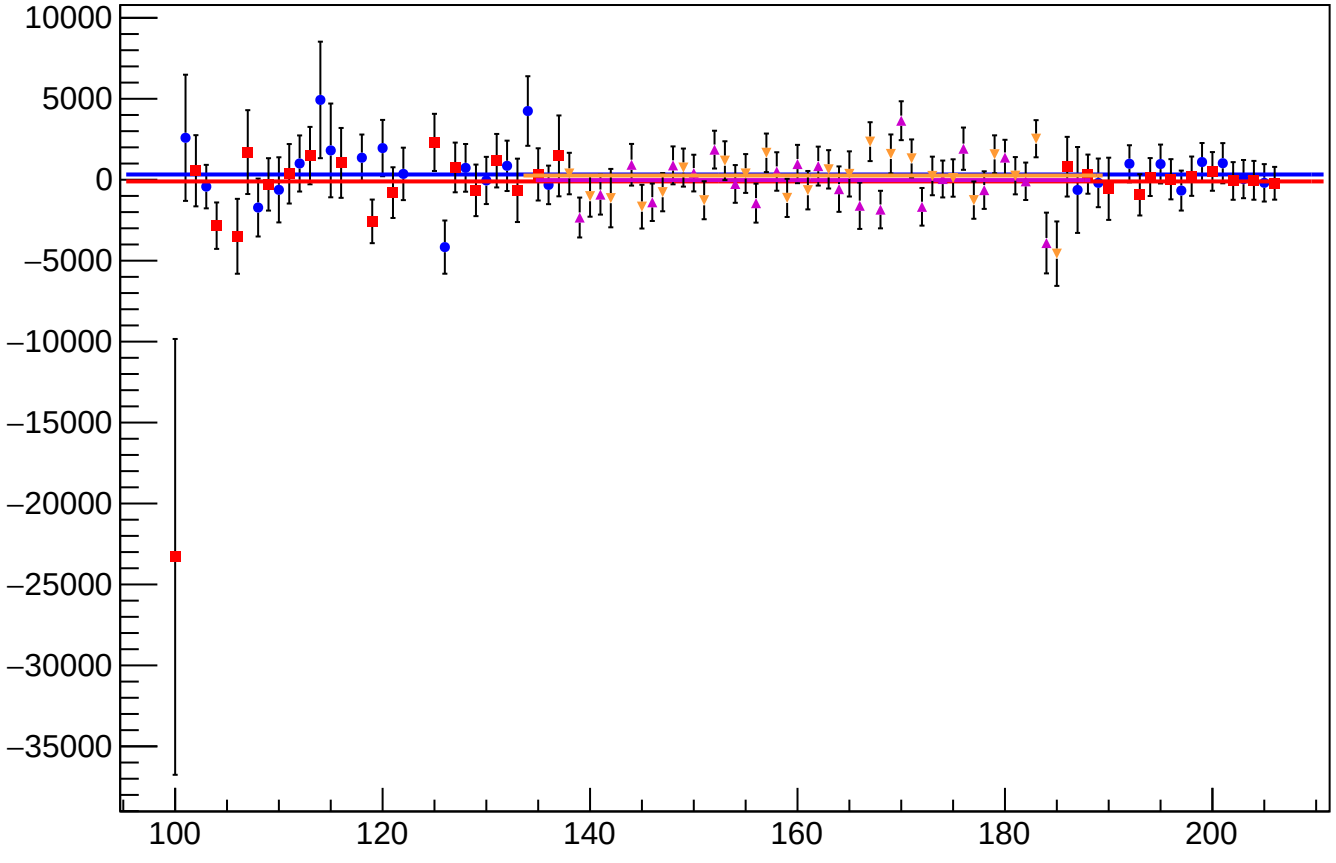
Left In: 0.000+/-0.000 χ^2/NDF:1954811.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13740090.7/48

All: 0.000+/-0.000 χ^2/NDF: 27930266.0/100

- sign 0.000+/-0.000 χ^2/NDF: 14178951.2/51

reg_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 324.496+/-300.378 χ^2/NDF: 19.5/24

Left Out: 260.650+/-251.401 χ^2/NDF:28.2/23

Right Out: -104.404+/-282.347 χ^2/NDF: 18.8/28

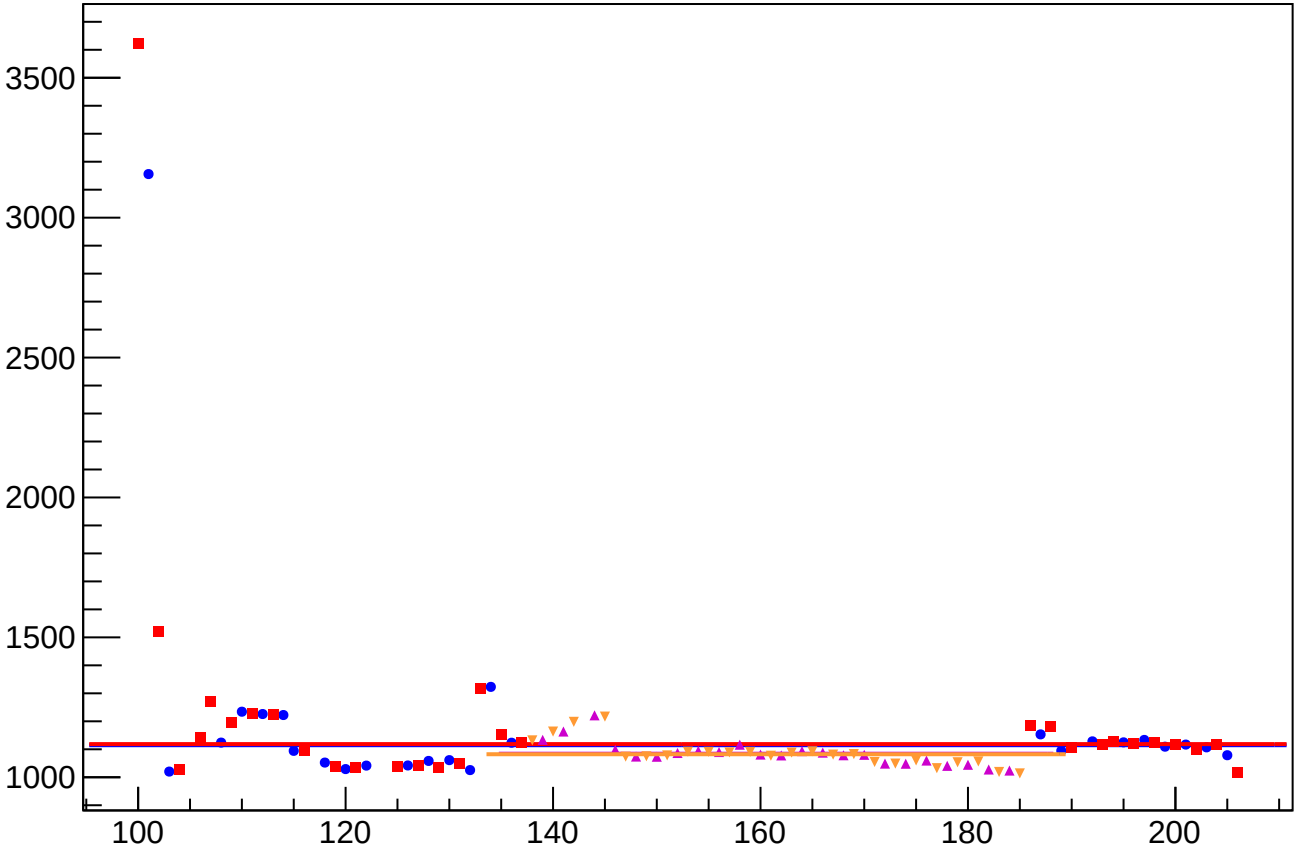
Left In: -22.368+/-253.332 χ^2/NDF:35.8/22

+ sign 286.950+/-192.788 χ^2/NDF: 47.7/48

All: 110.161+/-134.802 χ^2/NDF: 104.0/100

- sign -58.956+/-188.559 χ^2/NDF: 54.6/51

reg_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1114.608+/-0.212 χ^2/NDF: 627139.1/24

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

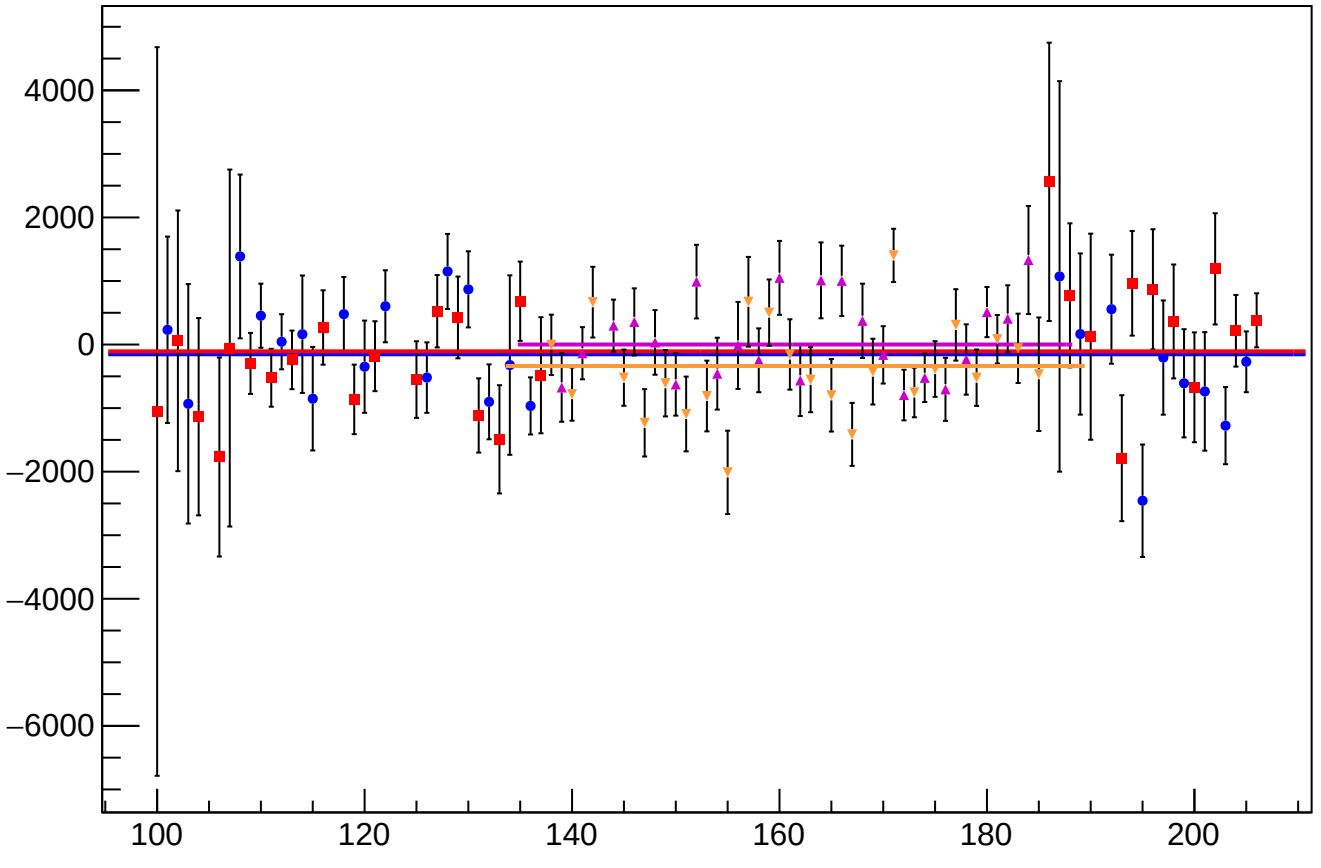
Right Out: 1118.545+/-0.200 χ^2/NDF: 251516.3/28

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.613+/-0.136 χ^2/NDF: 698612.3/48

All: 1097.599+/-0.095 χ^2/NDF: 1020410.0/10

- sign 1099.499+/-0.133 χ^2/NDF: 321382.5/51



Right In: -152.852+/-137.777 χ^2/NDF: 32.2/24

Left Out: -337.727+/-102.601 χ^2/NDF:48.8/23

Right Out: -106.432+/-130.709 χ^2/NDF: 27.2/28

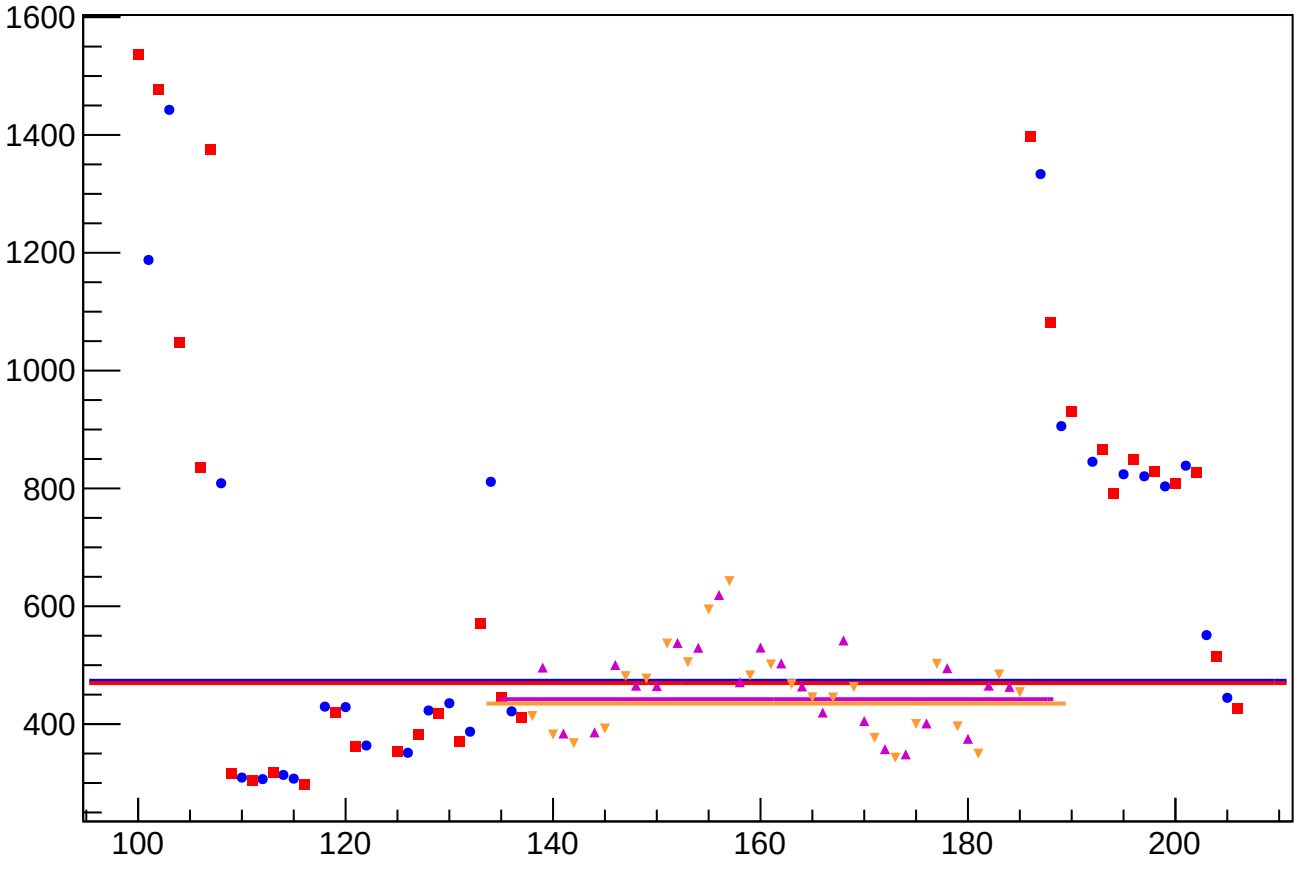
Left In: 0.547+/-104.733 χ^2/NDF:31.9/22

+ sign -271.776+/-82.290 χ^2/NDF: 82.1/48

All: -155.745+/-57.990 χ^2/NDF: 145.5/100

- sign -41.282+/-81.732 χ^2/NDF: 59.4/51

asym_us_dd_atlr_dd_dd_reg_correction_rms vs Slug



Right In: 473.456+/-0.097 χ^2/NDF: 4212391.5/24

Left Out: 434.858+/-0.073 χ^2/NDF:878416.4/23

Right Out: 469.634+/-0.092 χ^2/NDF: 5376286.8/28

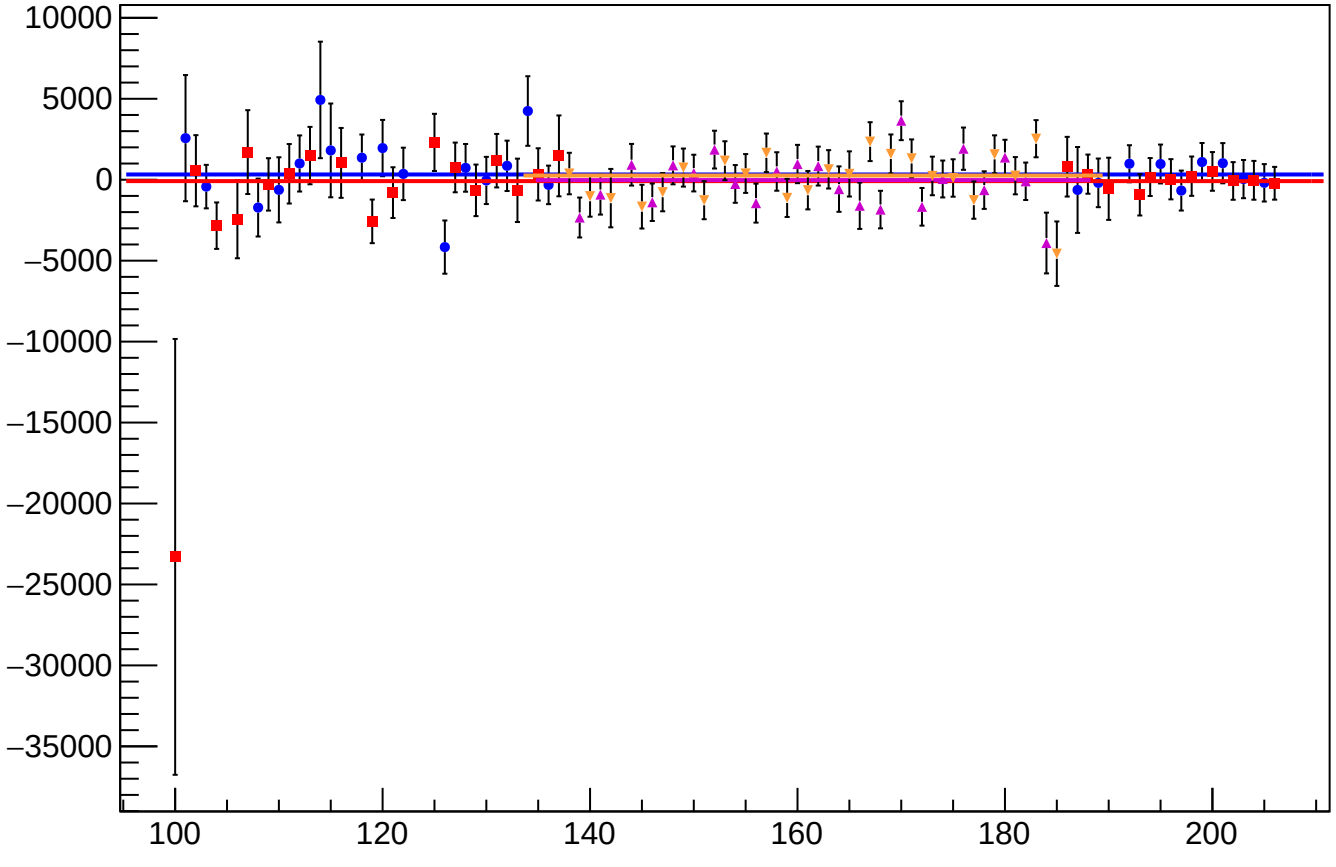
Left In: 442.209+/-0.074 χ^2/NDF:825972.2/22

+ sign 448.627+/-0.058 χ^2/NDF: 5191776.6/48

All: 450.794+/-0.041 χ^2/NDF: 11450413.7/10

- sign 452.932+/-0.058 χ^2/NDF: 6255882.2/51

cor_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 324.356+/-300.378 χ^2/NDF: 19.5/24

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -86.007+/-282.509 χ^2/NDF: 17.6/28

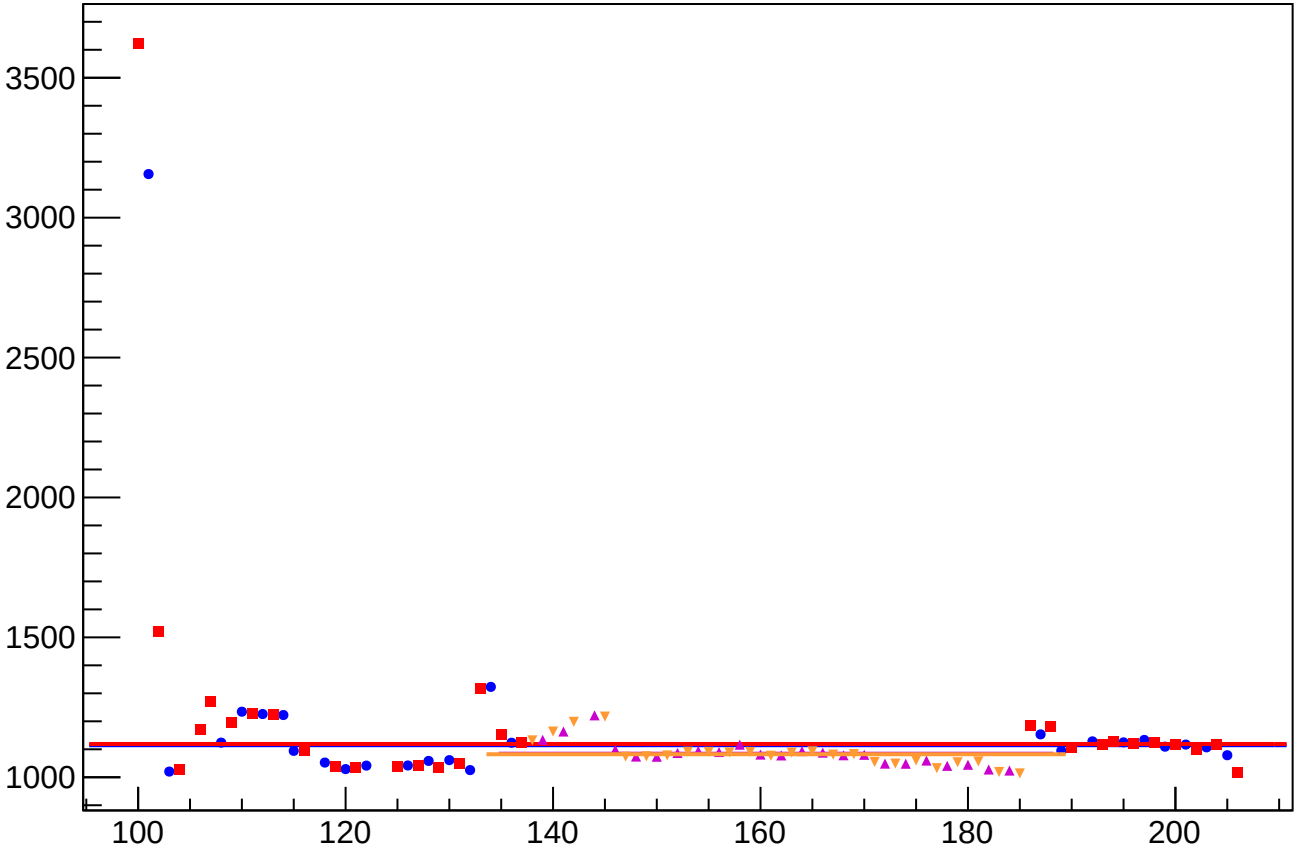
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 286.886+/-192.788 χ^2/NDF: 47.7/48

All: 114.378+/-134.819 χ^2/NDF: 102.7/100

- sign -50.730+/-188.607 χ^2/NDF: 53.4/51

cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1114.608+/-0.212 χ^2/NDF: 627140.1/24

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

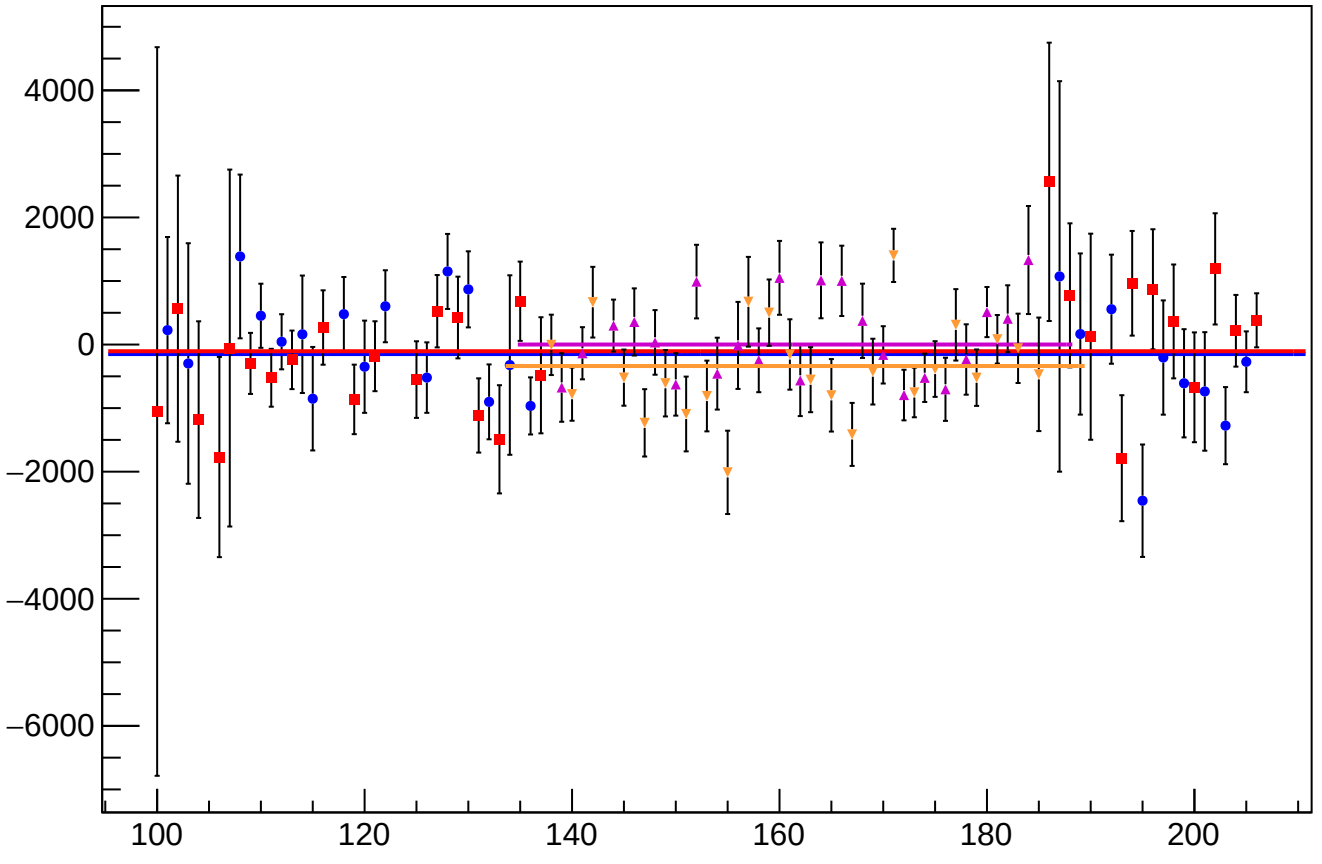
Right Out: 1118.951+/-0.200 χ^2/NDF: 252309.9/28

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.613+/-0.136 χ^2/NDF: 698613.2/48

All: 1097.686+/-0.095 χ^2/NDF: 1021621.6/10

- sign 1099.670+/-0.133 χ^2/NDF: 322555.8/51



Right In: -149.570+/-137.778 χ^2/NDF: 32.0/24

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

Right Out: -104.769+/-130.723 χ^2/NDF: 27.3/28

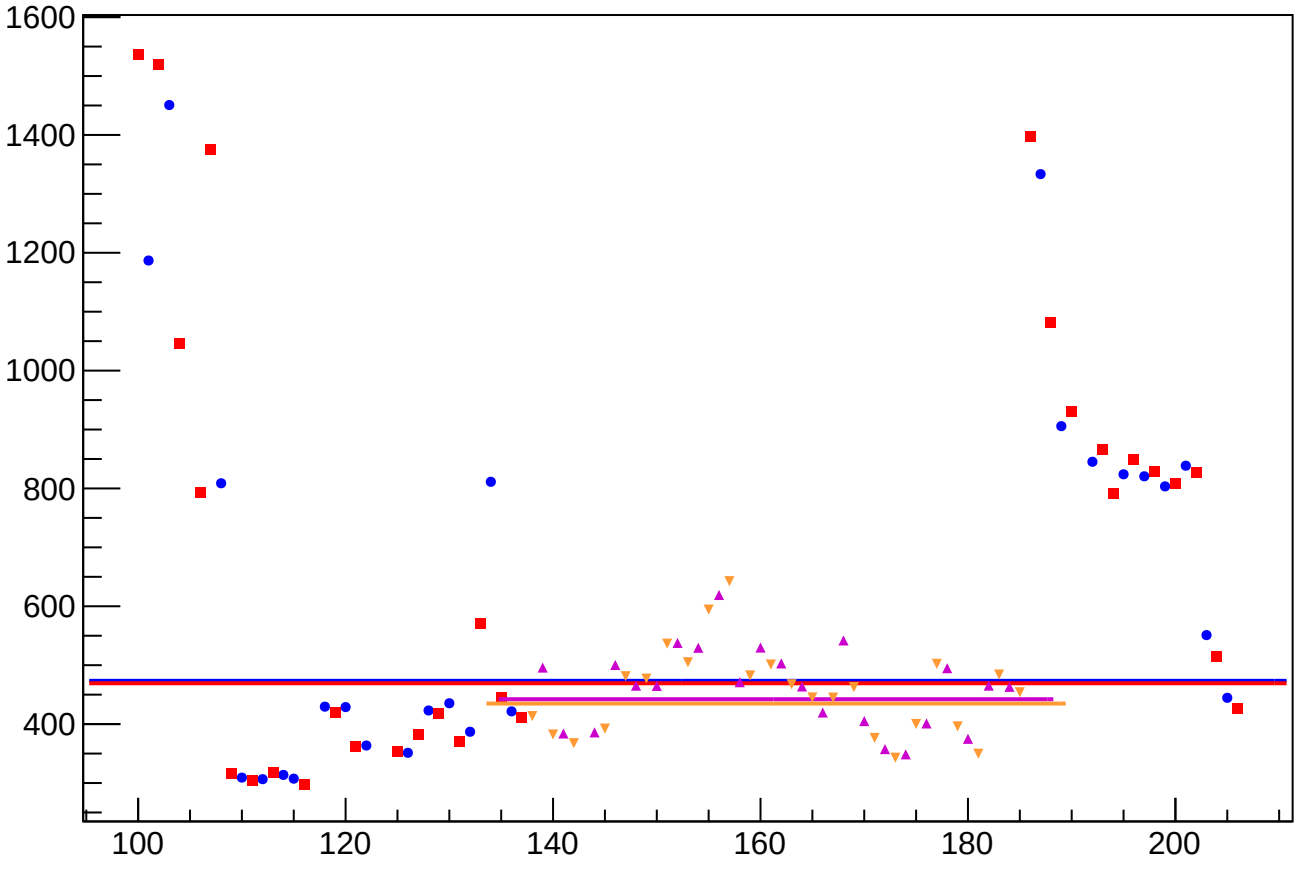
Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -270.663+/-82.290 χ^2/NDF: 82.0/48

All: -154.861+/-57.991 χ^2/NDF: 145.5/100

- sign -40.614+/-81.736 χ^2/NDF: 59.5/51

asym_us_dd_atlr_dd_dd_cor_correction_rms vs Slug



Right In: 473.449+/-0.097 χ^2/NDF: 4216204.6/24

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

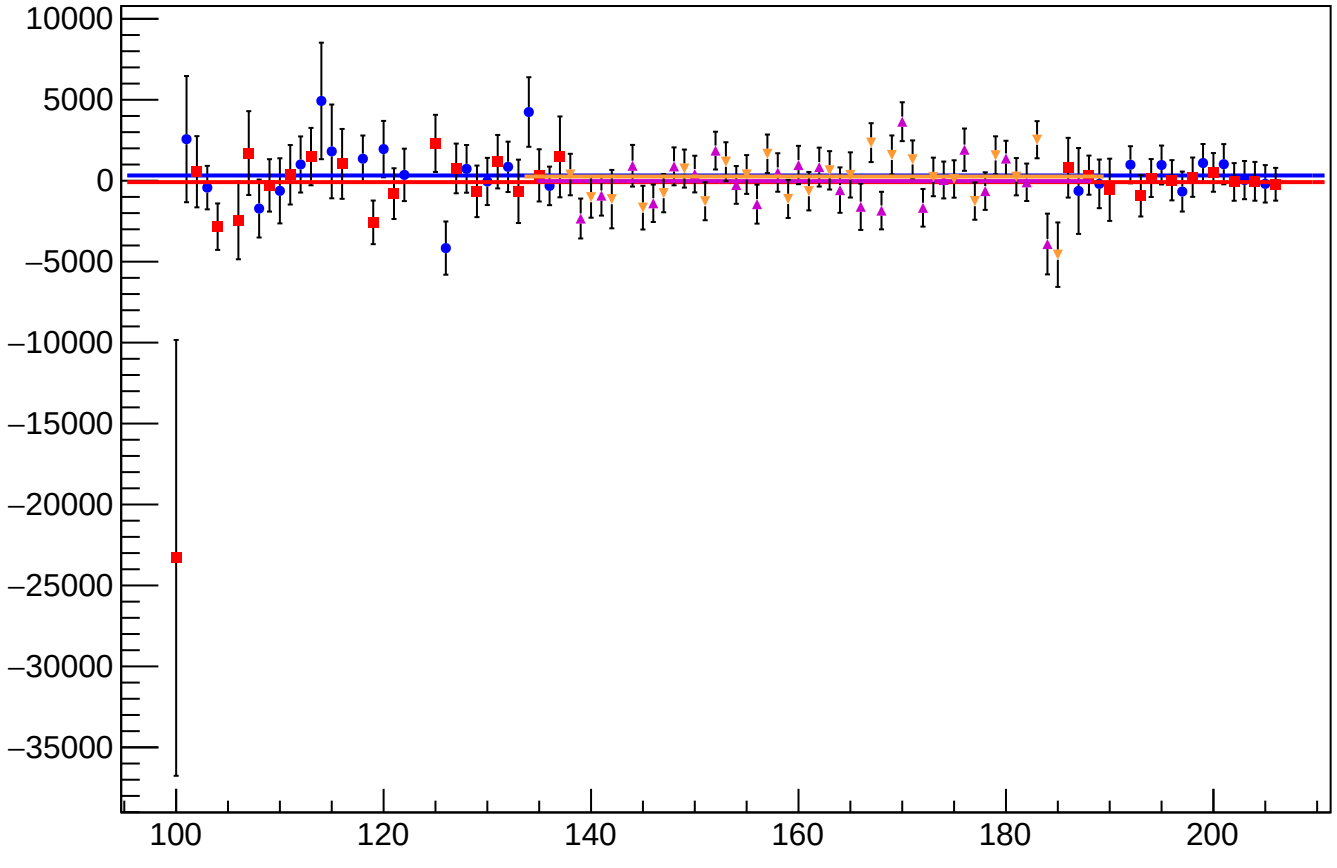
Right Out: 469.327+/-0.092 χ^2/NDF: 5370554.4/28

Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 448.623+/-0.058 χ^2/NDF: 5195656.4/48

All: 450.731+/-0.041 χ^2/NDF: 11447081.1/10

- sign 452.811+/-0.058 χ^2/NDF: 6248816.9/51



Right In: 324.356+/-300.378 χ^2/NDF: 19.5/24

Left Out: 260.639+/-251.401 χ^2/NDF:28.2/23

Right Out: -86.007+/-282.509 χ^2/NDF: 17.6/28

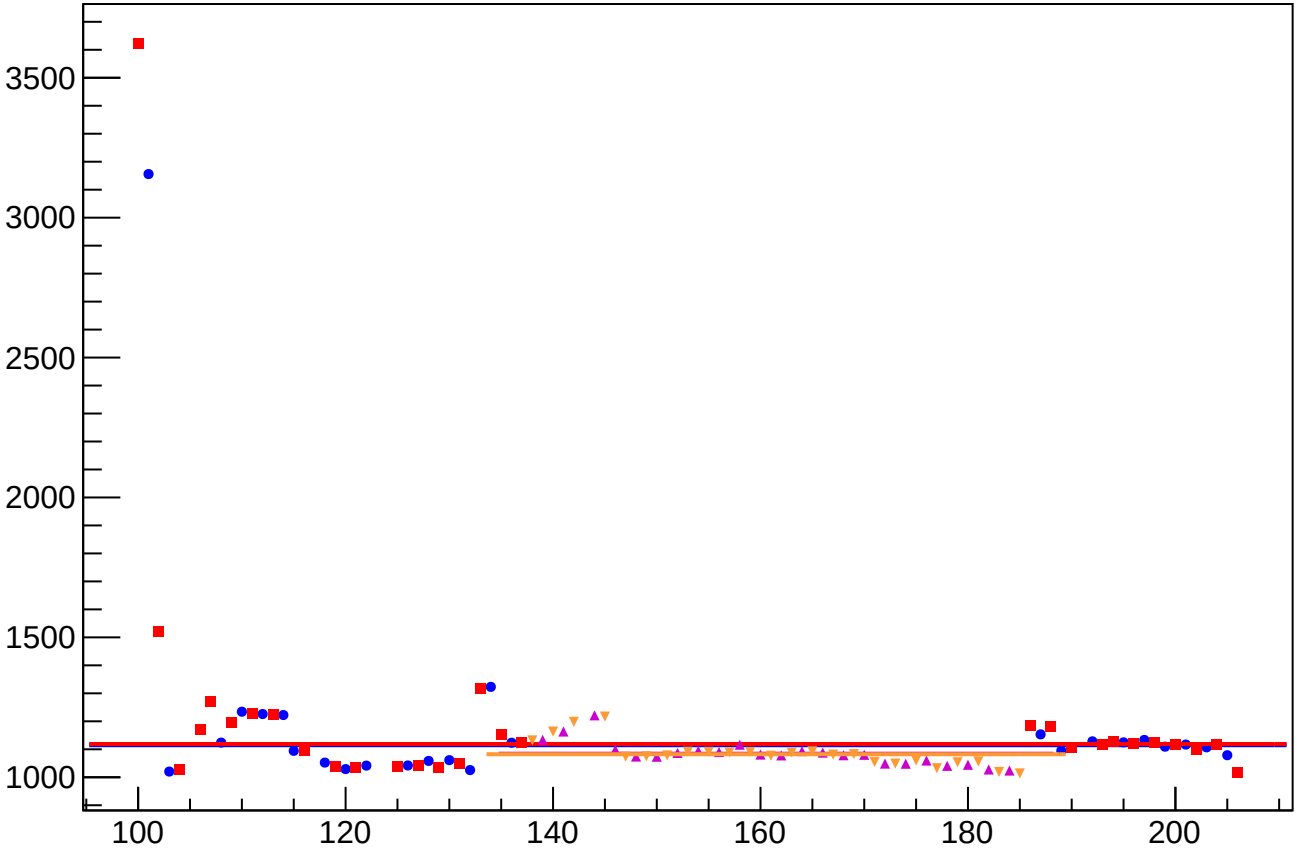
Left In: -22.362+/-253.332 χ^2/NDF:35.8/22

+ sign 286.886+/-192.788 χ^2/NDF: 47.7/48

All: 114.378+/-134.819 χ^2/NDF: 102.7/100

- sign -50.730+/-188.607 χ^2/NDF: 53.4/51

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1114.608+/-0.212 χ^2/NDF: 627140.1/24

Left Out: 1082.308+/-0.178 χ^2/NDF:57873.0/23

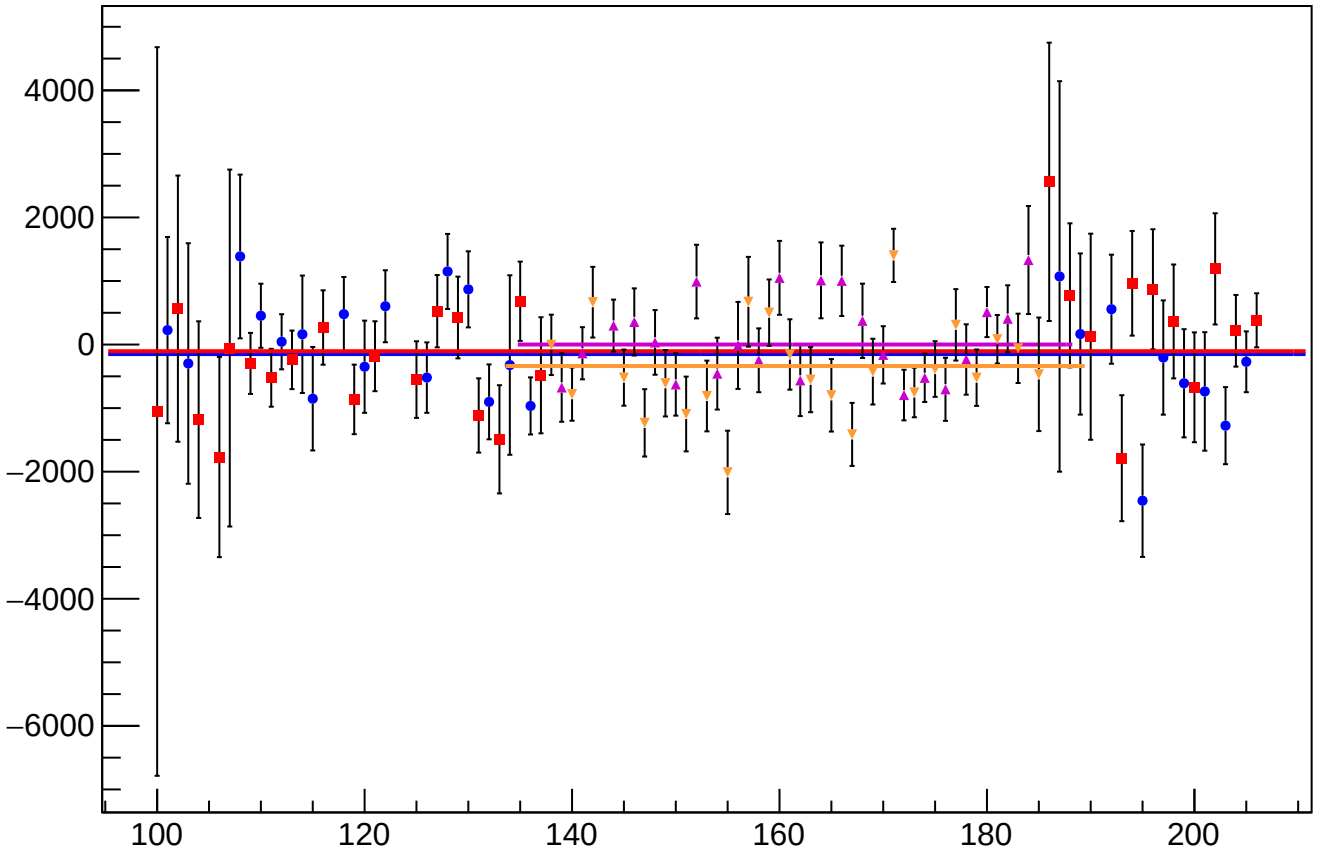
Right Out: 1118.951+/-0.200 χ^2/NDF: 252309.9/28

Left In: 1084.166+/-0.179 χ^2/NDF:53438.8/22

+ sign 1095.613+/-0.136 χ^2/NDF: 698613.2/48

All: 1097.686+/-0.095 χ^2/NDF: 1021621.6/10

- sign 1099.670+/-0.133 χ^2/NDF: 322555.8/51



Right In: -149.570+/-137.778 χ^2/NDF: 32.0/24

Left Out: -337.816+/-102.601 χ^2/NDF:48.8/23

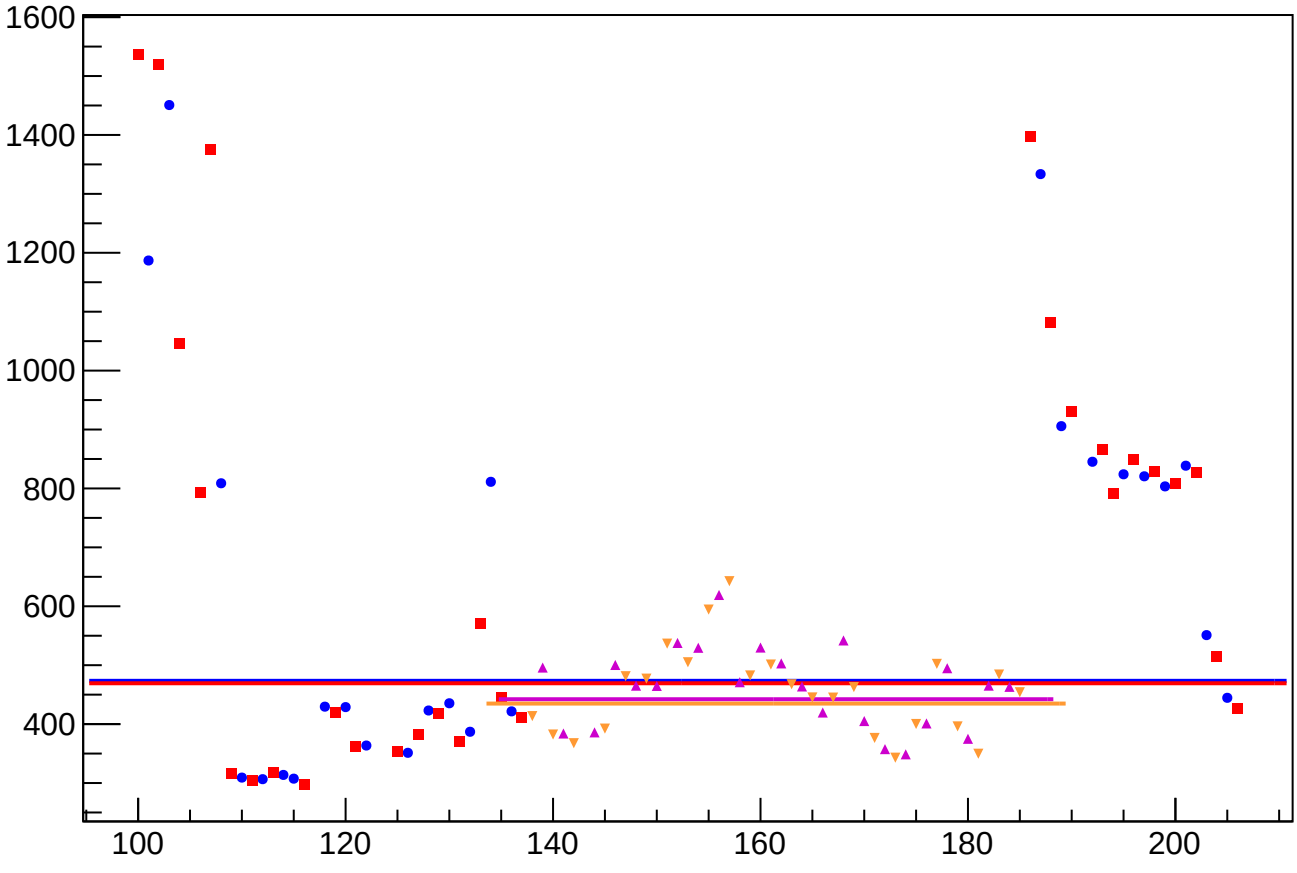
Right Out: -104.769+/-130.723 χ^2/NDF: 27.3/28

Left In: 0.567+/-104.733 χ^2/NDF:31.9/22

+ sign -270.663+/-82.290 χ^2/NDF: 82.0/48

All: -154.861+/-57.991 χ^2/NDF: 145.5/100

- sign -40.614+/-81.736 χ^2/NDF: 59.5/51



Right In: 473.449+/-0.097 χ^2/NDF: 4216204.6/24

Left Out: 434.856+/-0.073 χ^2/NDF:878507.3/23

Right Out: 469.327+/-0.092 χ^2/NDF: 5370554.4/28

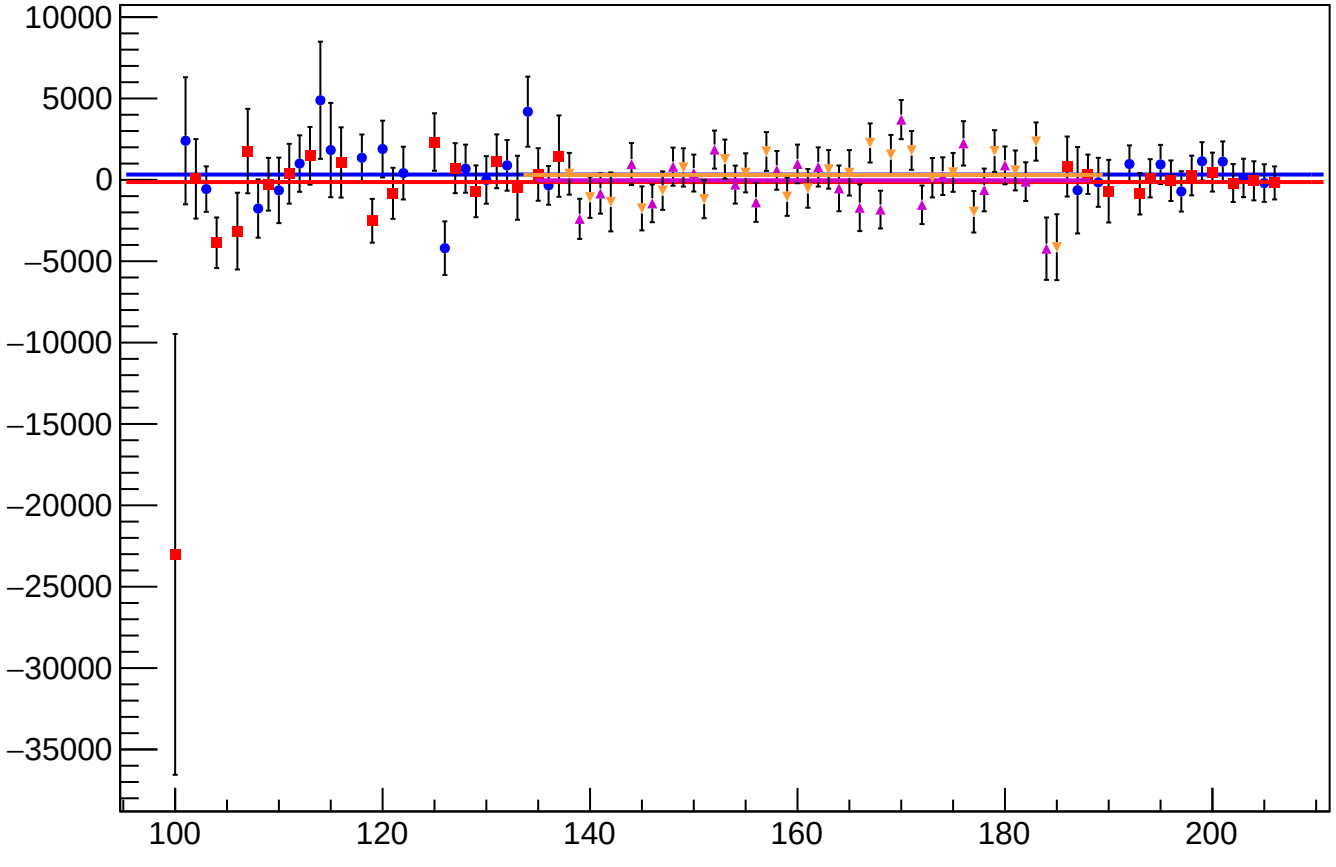
Left In: 442.210+/-0.074 χ^2/NDF:825844.5/22

+ sign 448.623+/-0.058 χ^2/NDF: 5195656.4/48

All: 450.731+/-0.041 χ^2/NDF: 11447081.1/10

- sign 452.811+/-0.058 χ^2/NDF: 6248816.9/51

dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 325.208+/-301.325 χ^2/NDF: 19.6/24

Left Out: 303.404+/-255.556 χ^2/NDF:28.5/23

Right Out: -134.446+/-284.029 χ^2/NDF: 20.1/28

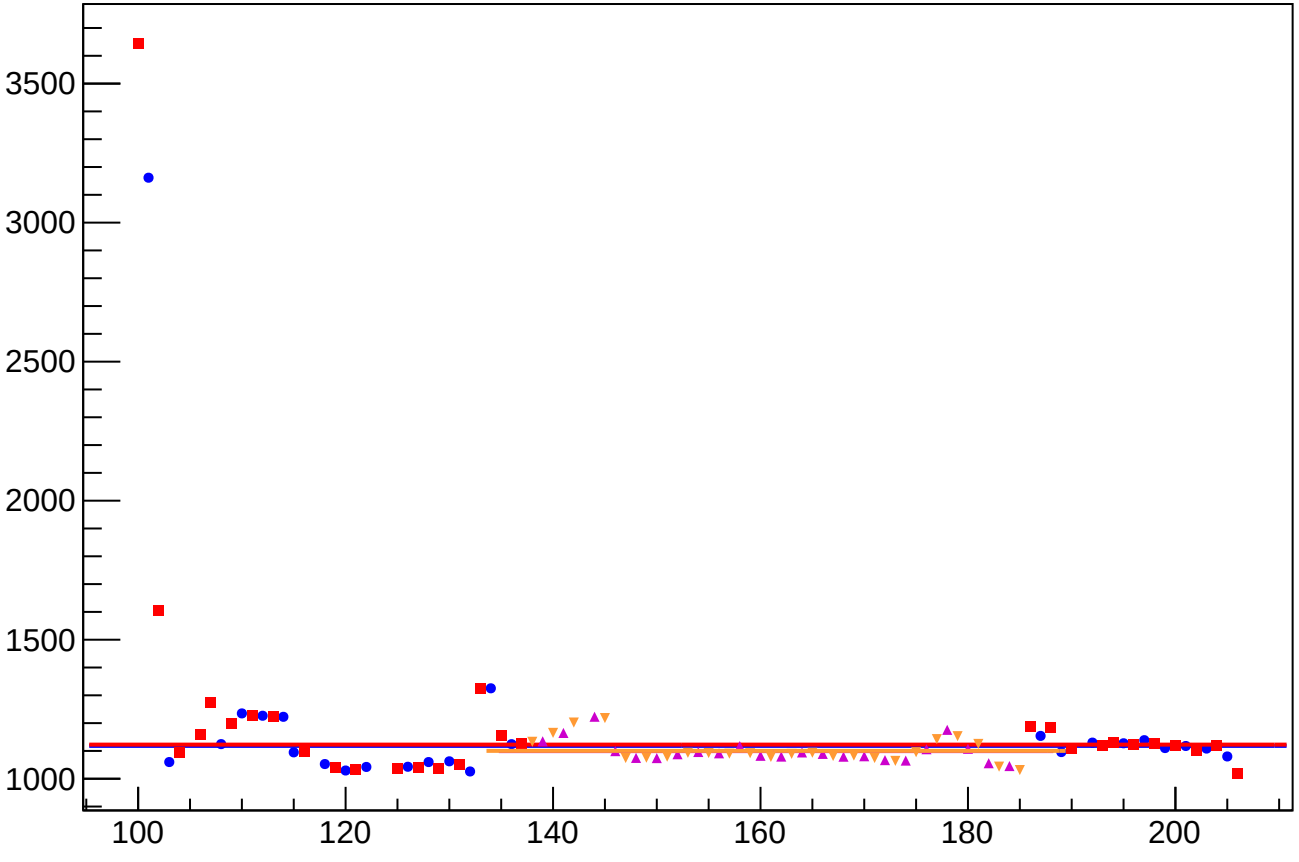
Left In: -25.319+/-256.866 χ^2/NDF:35.9/22

+ sign 312.526+/-194.900 χ^2/NDF: 48.1/48

All: 114.651+/-136.238 χ^2/NDF: 106.1/100

- sign -74.416+/-190.513 χ^2/NDF: 56.0/51

dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.168+/-0.213 χ^2/NDF: 621205.6/24

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.1/23

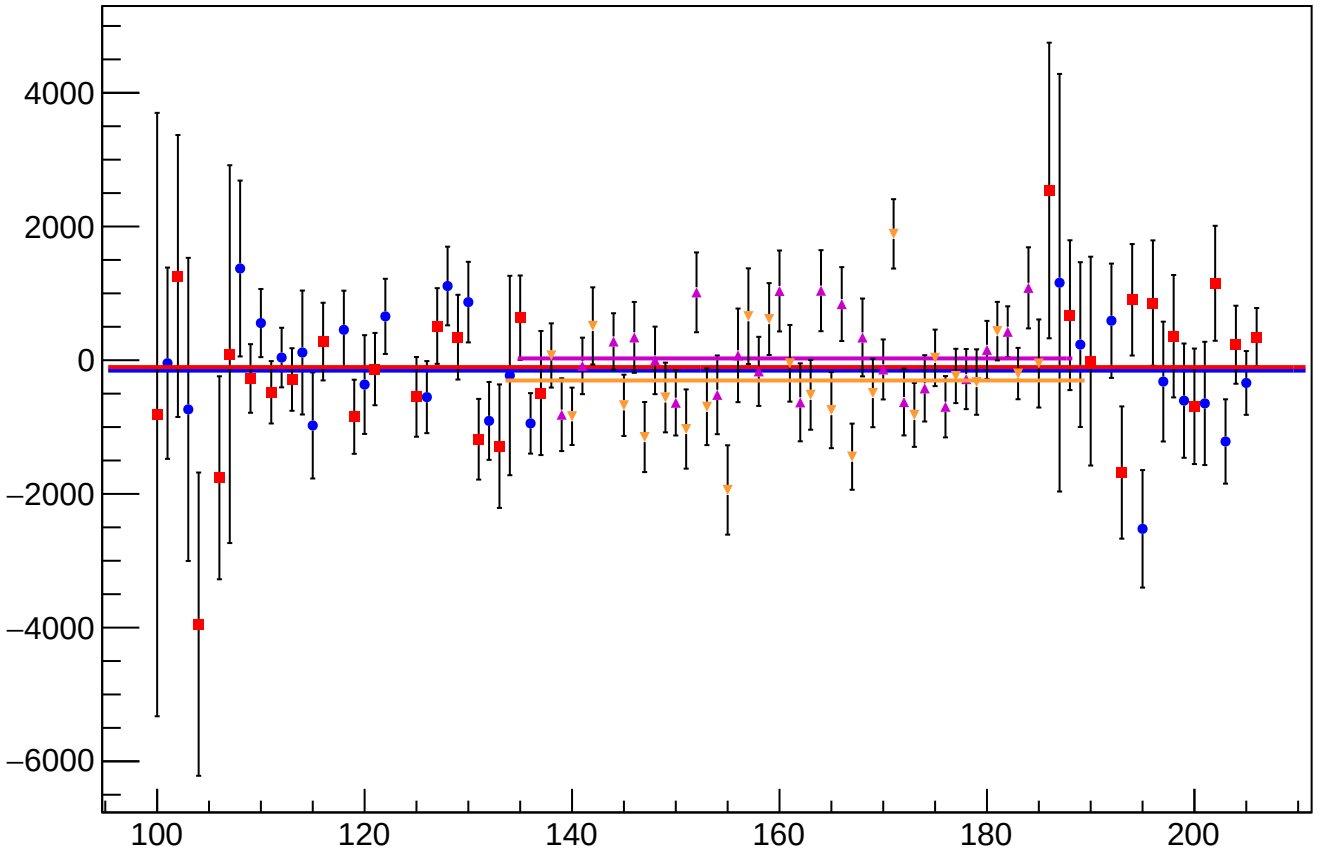
Right Out: 1122.714+/-0.201 χ^2/NDF: 258259.2/28

Left In: 1099.342+/-0.182 χ^2/NDF:44785.6/22

\+ sign 1107.751+/-0.138 χ^2/NDF: 674089.5/48

All: 1108.828+/-0.096 χ^2/NDF: 984703.6/100

\- sign 1109.857+/-0.135 χ^2/NDF: 310494.7/51



Right In: -155.560+/-138.277 χ^2/NDF: 32.6/24

Left Out: -303.217+/-102.979 χ^2/NDF:49.5/23

Right Out: -102.843+/-132.701 χ^2/NDF: 27.5/28

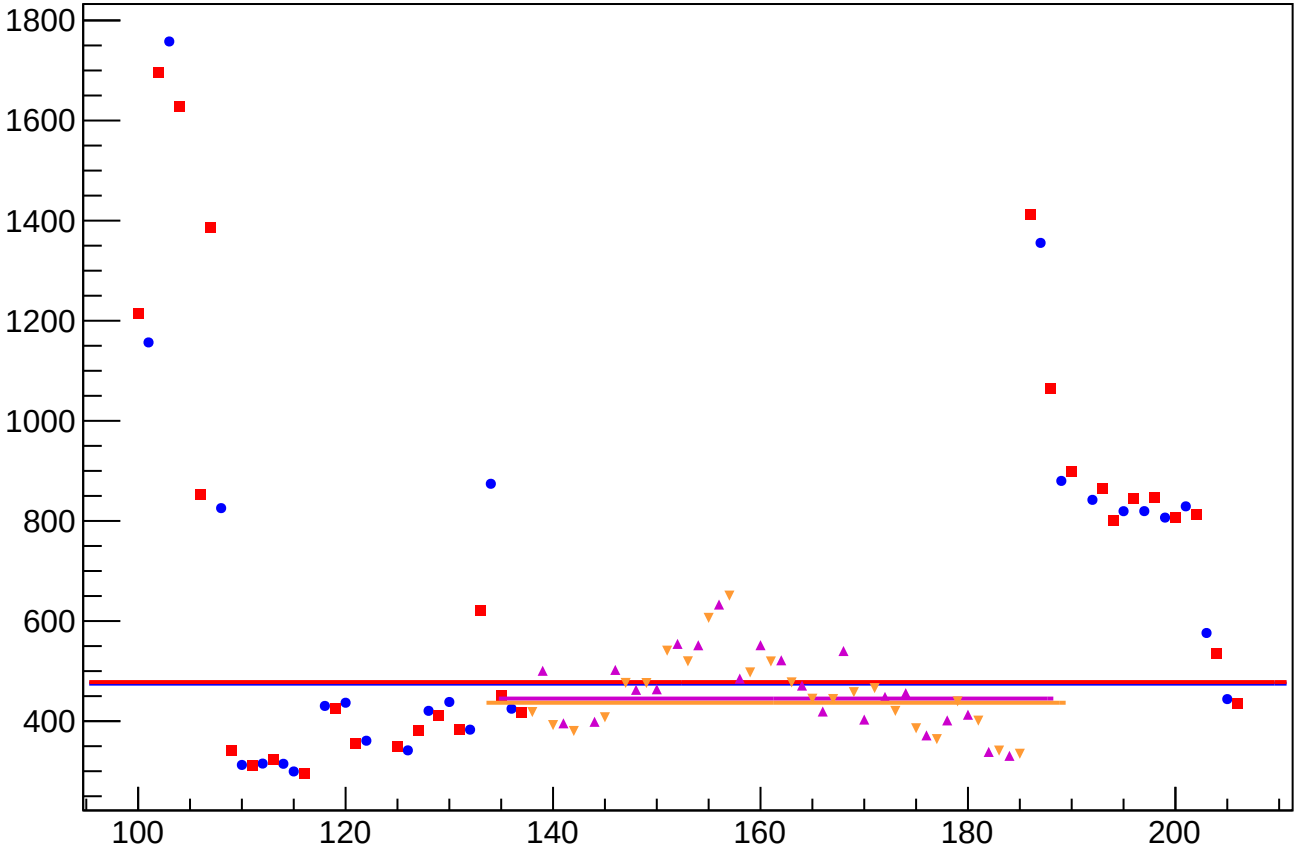
Left In: 26.740+/-105.420 χ^2/NDF:27.9/22

+ sign -250.539+/-82.592 χ^2/NDF: 82.9/48

All: -136.902+/-58.384 χ^2/NDF: 142.6/100

- sign -23.398+/-82.544 χ^2/NDF: 55.9/51

asym_us_dd_atlr_dd_dd_dit_correction_rms vs Slug



Right In: 474.996+/-0.098 χ^2/NDF: 4321412.5/24

Left Out: 436.787+/-0.073 χ^2/NDF:855206.3/23

Right Out: 478.075+/-0.094 χ^2/NDF: 5696007.9/28

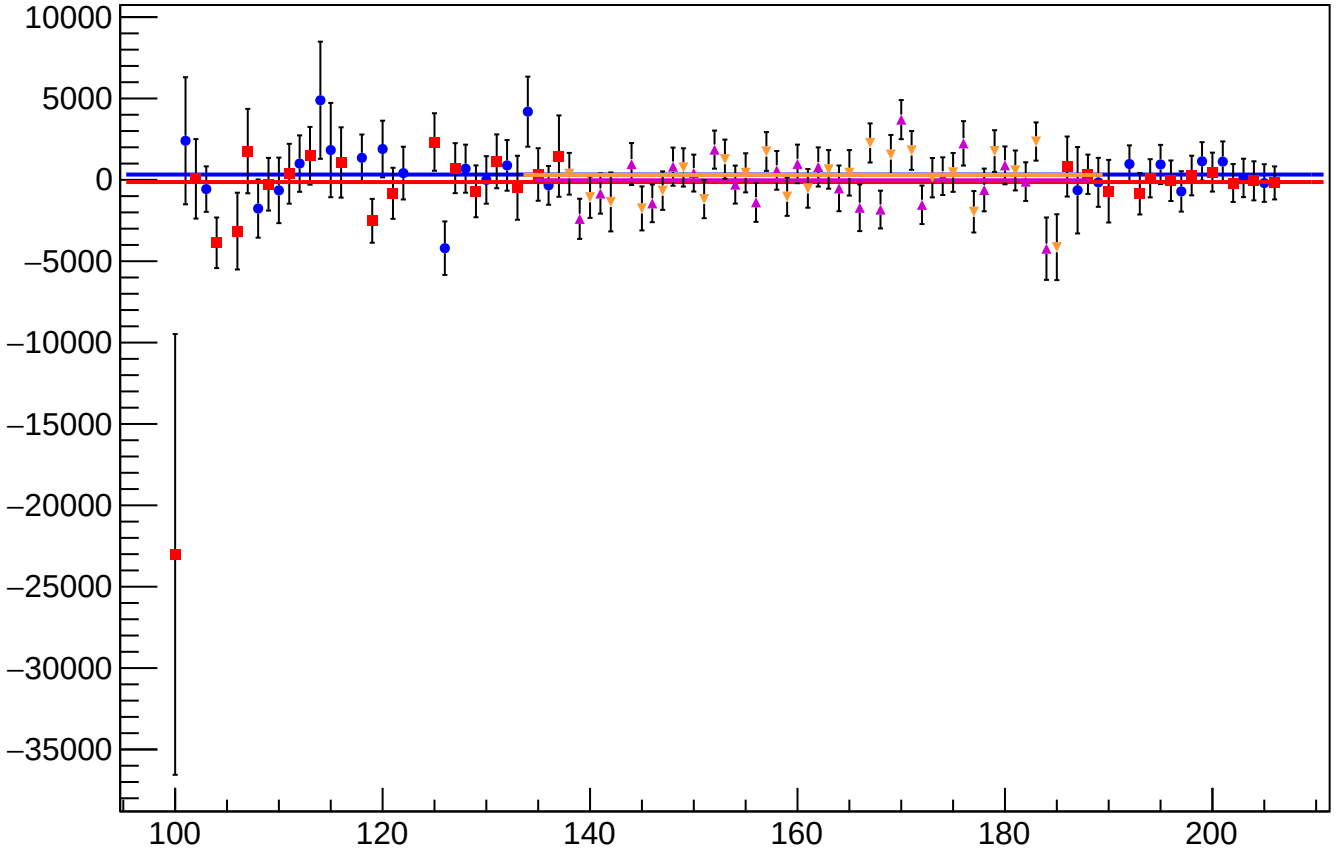
Left In: 445.109+/-0.075 χ^2/NDF:874534.9/22

+ sign 450.418+/-0.058 χ^2/NDF: 5274845.2/48

All: 454.143+/-0.041 χ^2/NDF: 11929190.1/10

- sign 457.864+/-0.058 χ^2/NDF: 6646213.4/51

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 325.210+/-301.325 χ^2/NDF: 19.6/24

Left Out: 303.402+/-255.556 χ^2/NDF:28.5/23

Right Out: -134.447+/-284.029 χ^2/NDF: 20.1/28

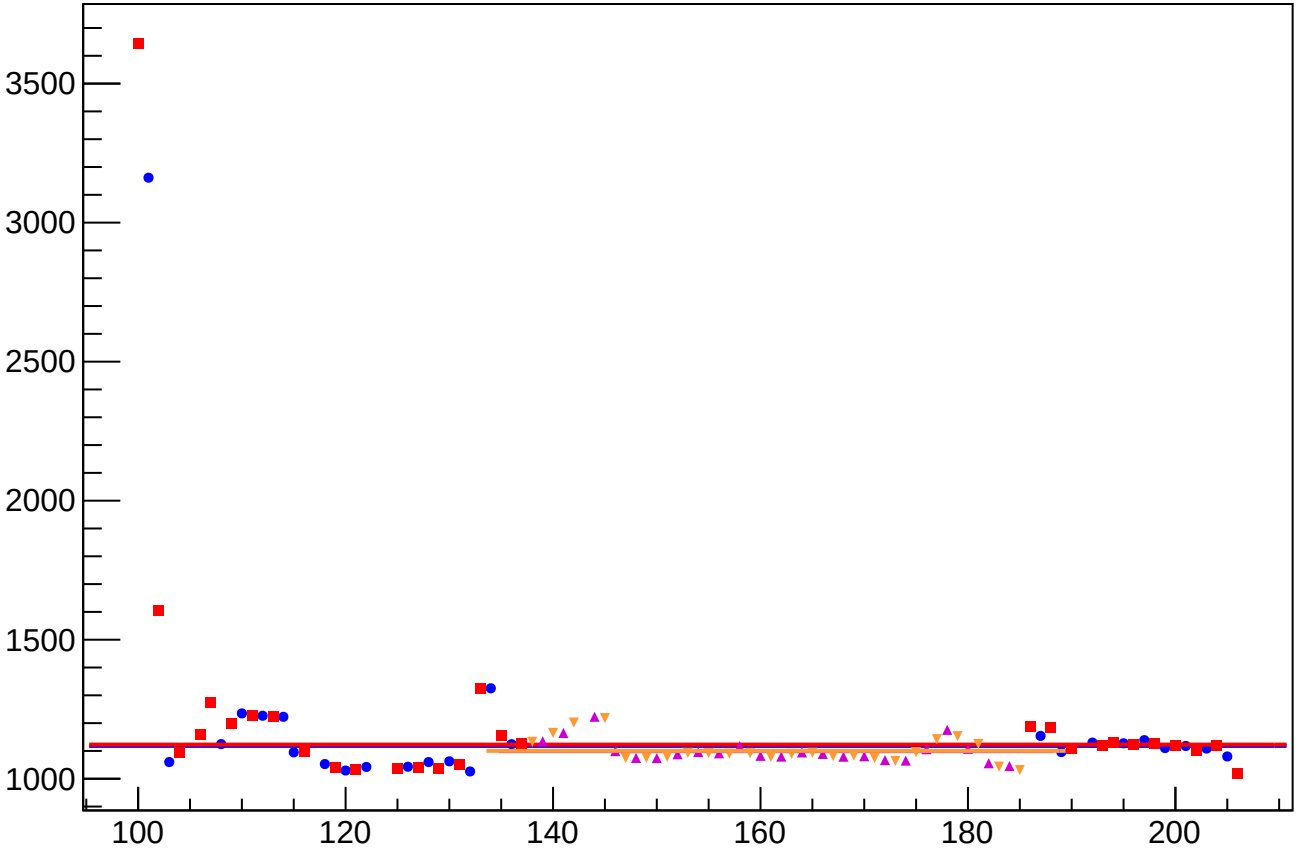
Left In: -25.320+/-256.866 χ^2/NDF:35.9/22

+ sign 312.526+/-194.900 χ^2/NDF: 48.1/48

All: 114.651+/-136.238 χ^2/NDF: 106.1/100

- sign -74.417+/-190.513 χ^2/NDF: 56.0/51

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1118.169+/-0.213 χ^2/NDF: 621205.6/24

Left Out: 1100.258+/-0.181 χ^2/NDF:48774.3/23

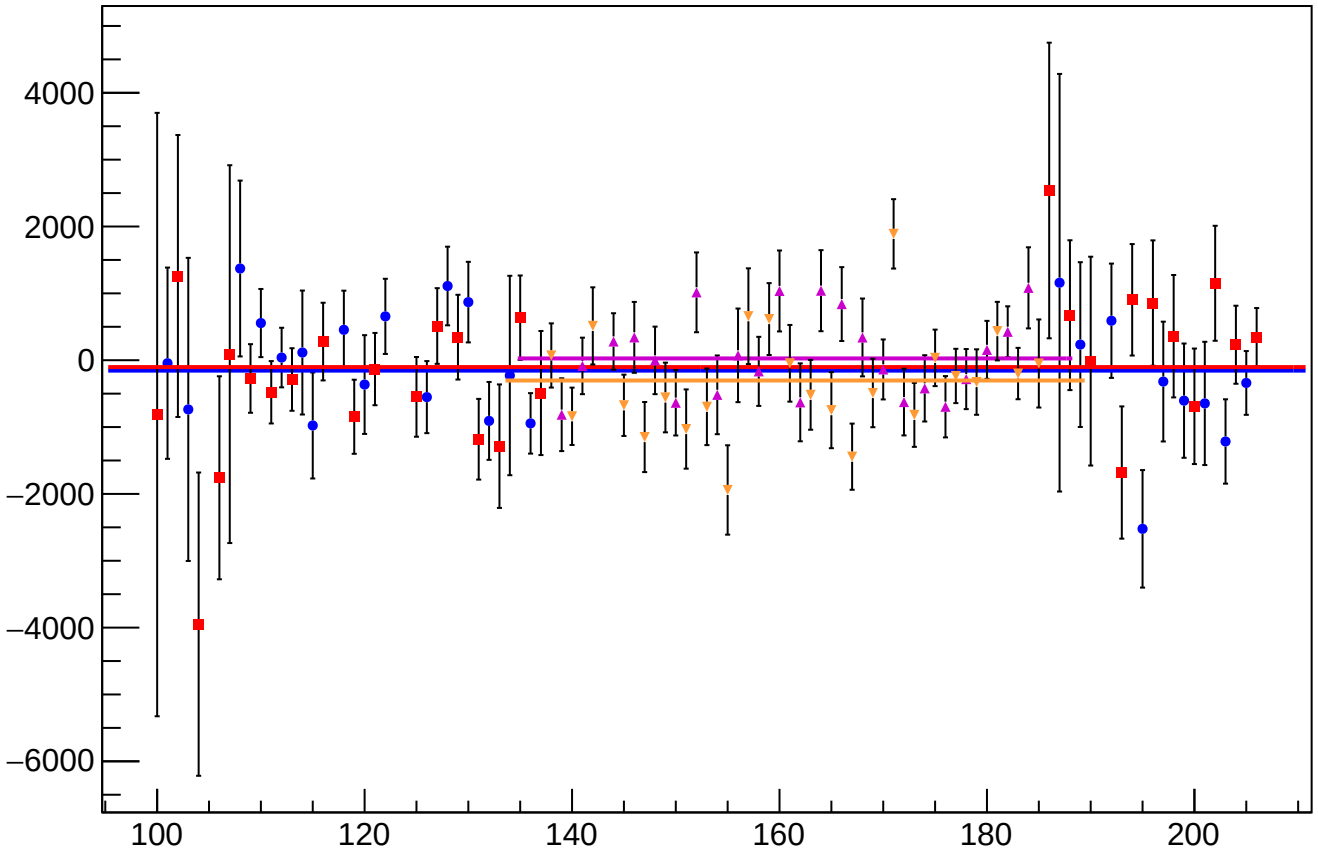
Right Out: 1122.714+/-0.201 χ^2/NDF: 258259.3/28

Left In: 1099.342+/-0.182 χ^2/NDF:44785.7/22

+ sign 1107.751+/-0.138 χ^2/NDF: 674089.8/48

All: 1108.828+/-0.096 χ^2/NDF: 984704.0/100

- sign 1109.857+/-0.135 χ^2/NDF: 310494.8/51



Right In: -155.561+/-138.277 χ^2/NDF: 32.6/24

Left Out: -303.218+/-102.979 χ^2/NDF:49.5/23

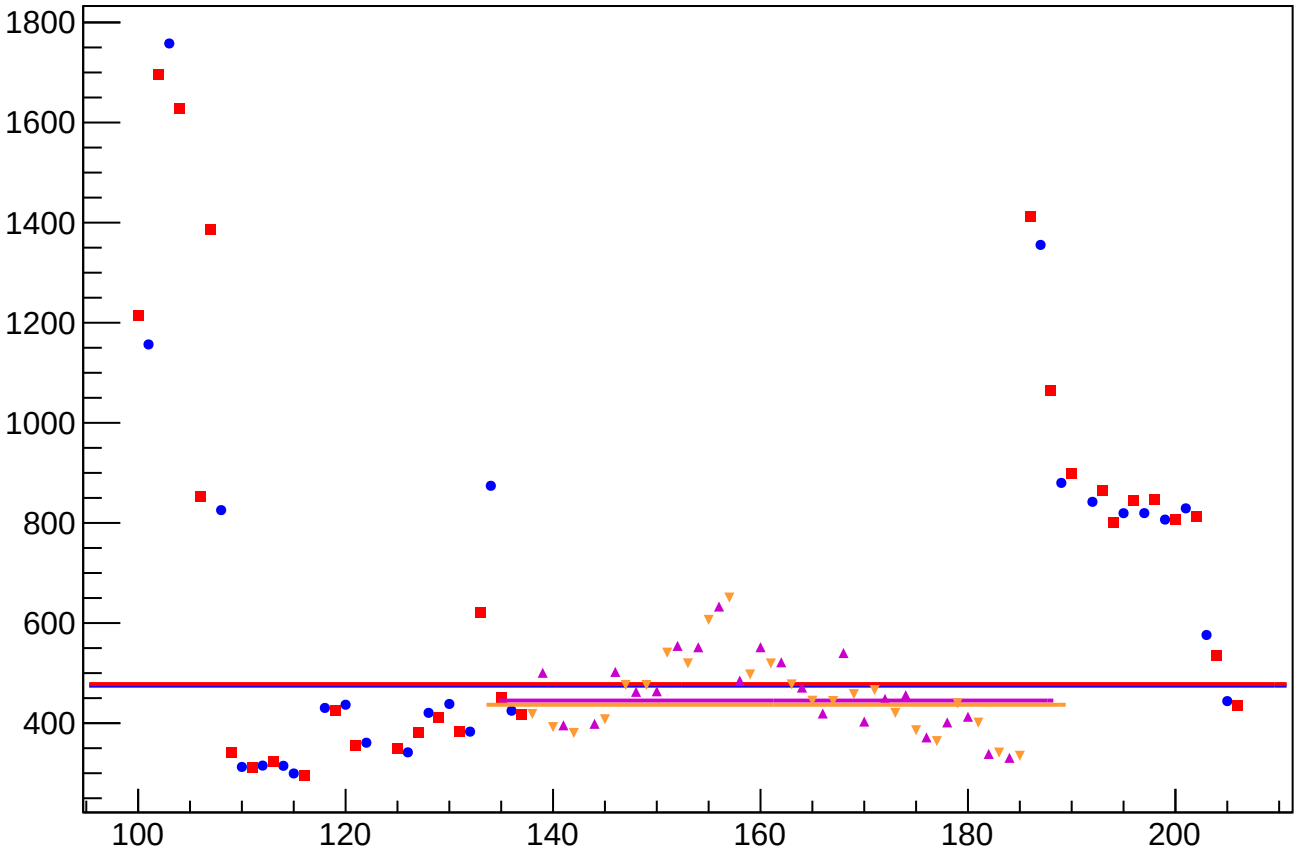
Right Out: -102.845+/-132.701 χ^2/NDF: 27.5/28

Left In: 26.739+/-105.420 χ^2/NDF:27.9/22

+ sign -250.540+/-82.592 χ^2/NDF: 82.9/48

All: -136.903+/-58.384 χ^2/NDF: 142.6/100

- sign -23.399+/-82.544 χ^2/NDF: 55.9/51



Right In: 474.993+/-0.098 χ^2/NDF: 4321452.2/24

Left Out: 436.787+/-0.073 χ^2/NDF:855236.5/23

Right Out: 478.071+/-0.094 χ^2/NDF: 5696067.9/28

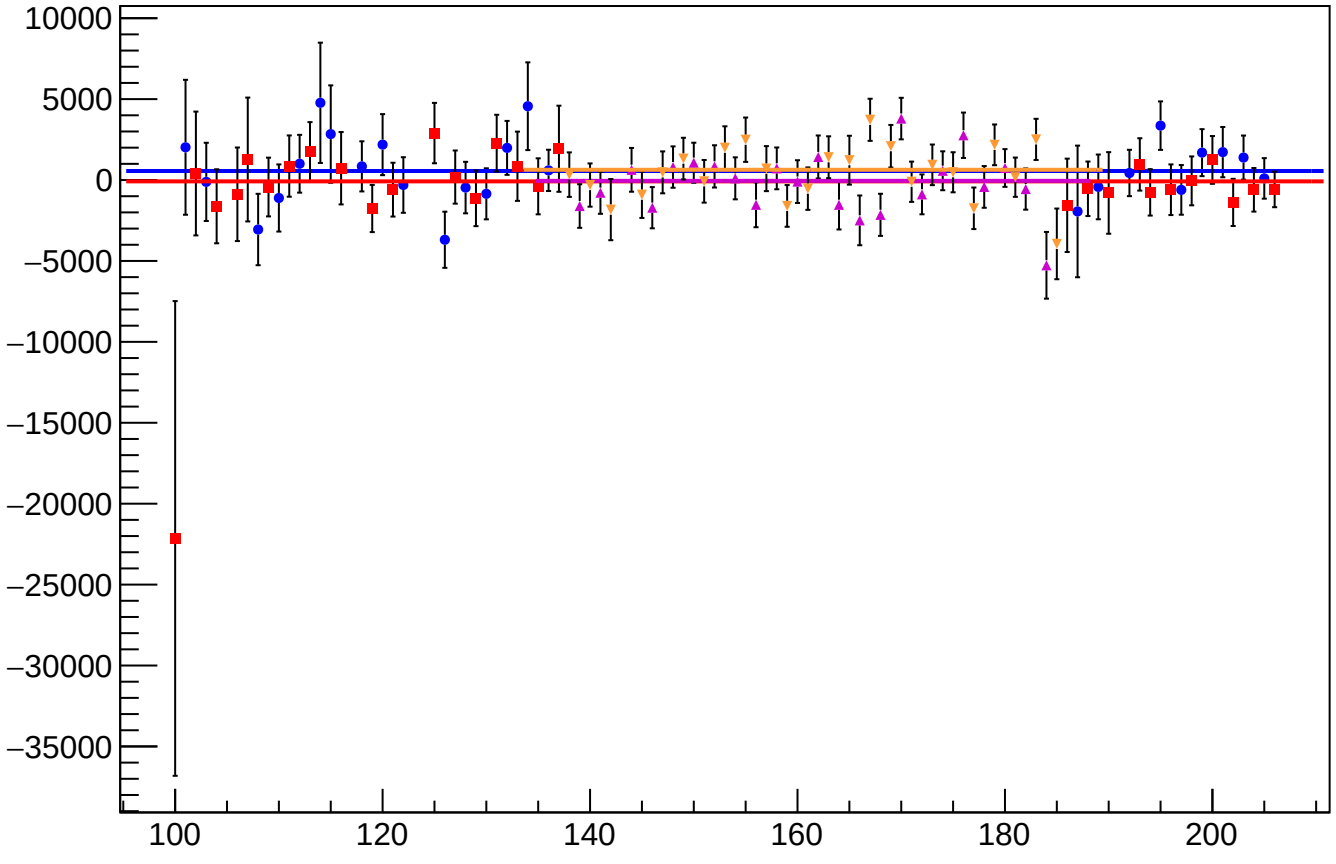
Left In: 445.108+/-0.075 χ^2/NDF:874568.8/22

+ sign 450.417+/-0.058 χ^2/NDF: 5274901.5/48

All: 454.142+/-0.041 χ^2/NDF: 11929326.6/10

- sign 457.862+/-0.058 χ^2/NDF: 6646293.9/51

asym_us_dd_atlr_dd_dd_mean vs Slug



Right In: 557.389+/-349.758 χ^2/NDF: 23.0/24

Left Out: 632.875+/-274.060 χ^2/NDF:30.1/23

Right Out: -82.810+/-332.714 χ^2/NDF: 14.5/28

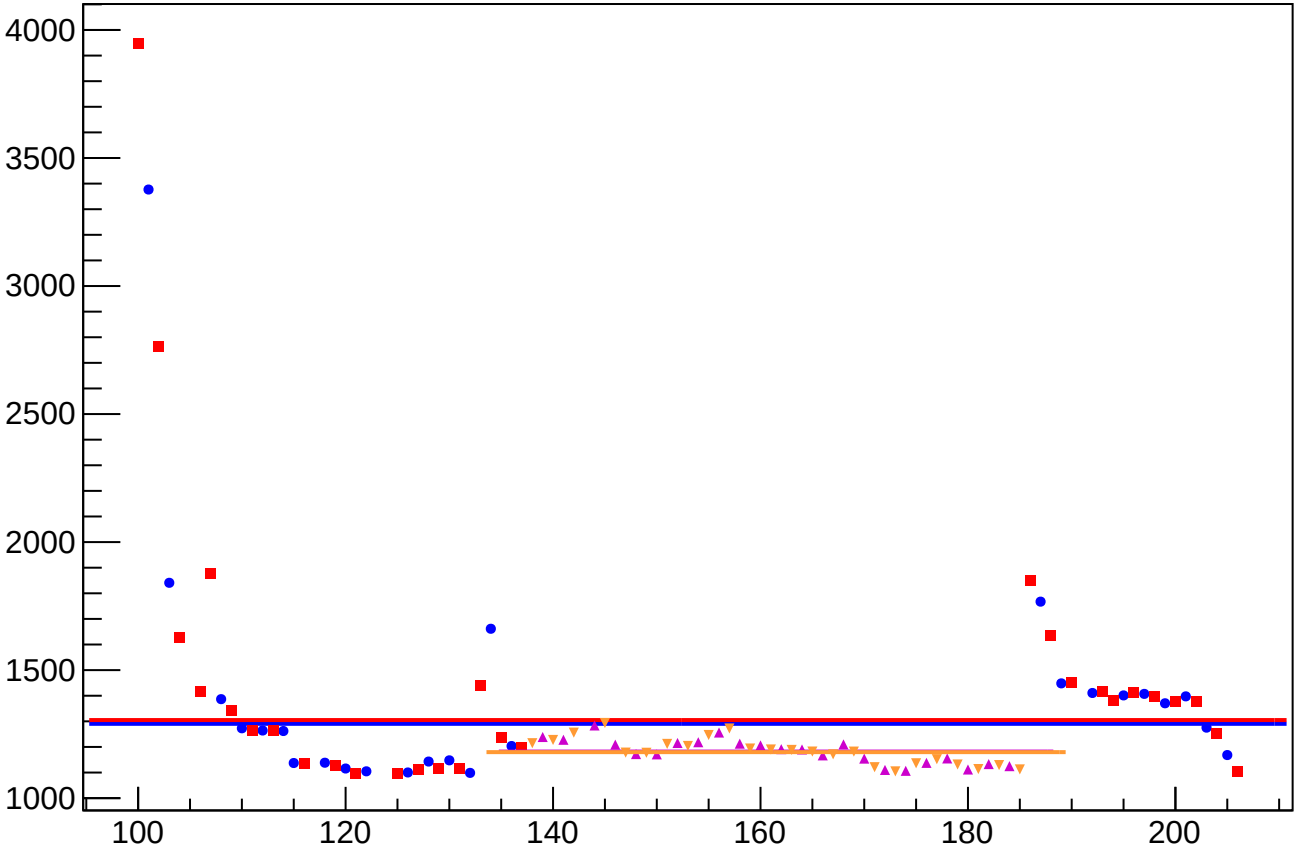
Left In: -50.835+/-276.213 χ^2/NDF:35.0/22

+ sign 604.159+/-215.723 χ^2/NDF: 53.2/48

All: 265.145+/-151.395 χ^2/NDF: 107.5/100

- sign -63.881+/-212.522 χ^2/NDF: 49.5/51

asym_us_dd_atlr_dd_dd_rms vs Slug



Right In: 1290.308+/-0.247 χ^2/NDF: 916587.1/24

Left Out: 1179.713+/-0.194 χ^2/NDF:64667.7/23

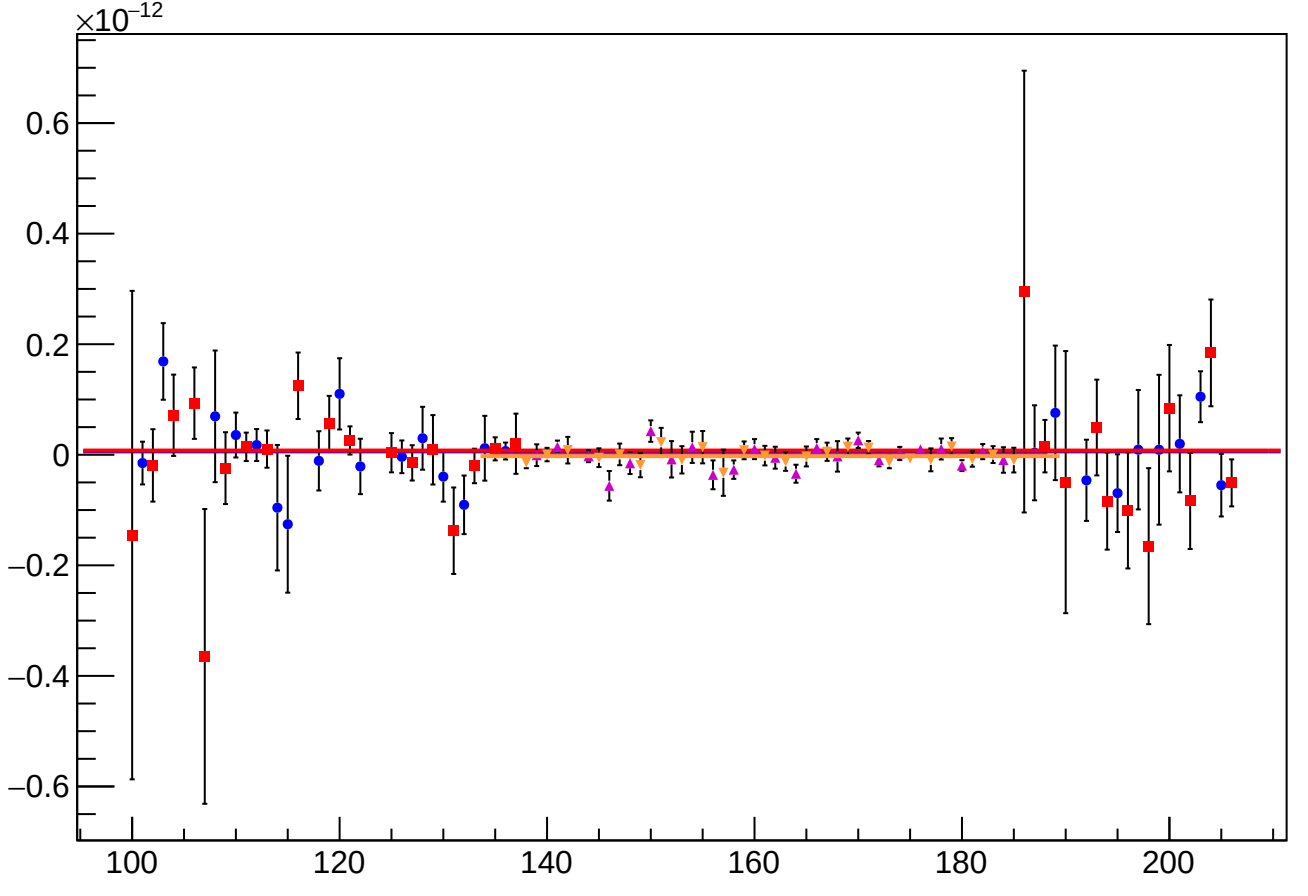
Right Out: 1304.982+/-0.235 χ^2/NDF: 899731.9/28

Left In: 1181.929+/-0.195 χ^2/NDF:60355.9/22

\+ sign 1221.785+/-0.153 χ^2/NDF: 1105152.0/48

All: 1227.037+/-0.107 χ^2/NDF: 2229529.8/10

\- sign 1232.135+/-0.150 χ^2/NDF: 1122041.5/51



Right In: 0.000+/-0.000 χ^2/NDF: 24.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:10.5/23

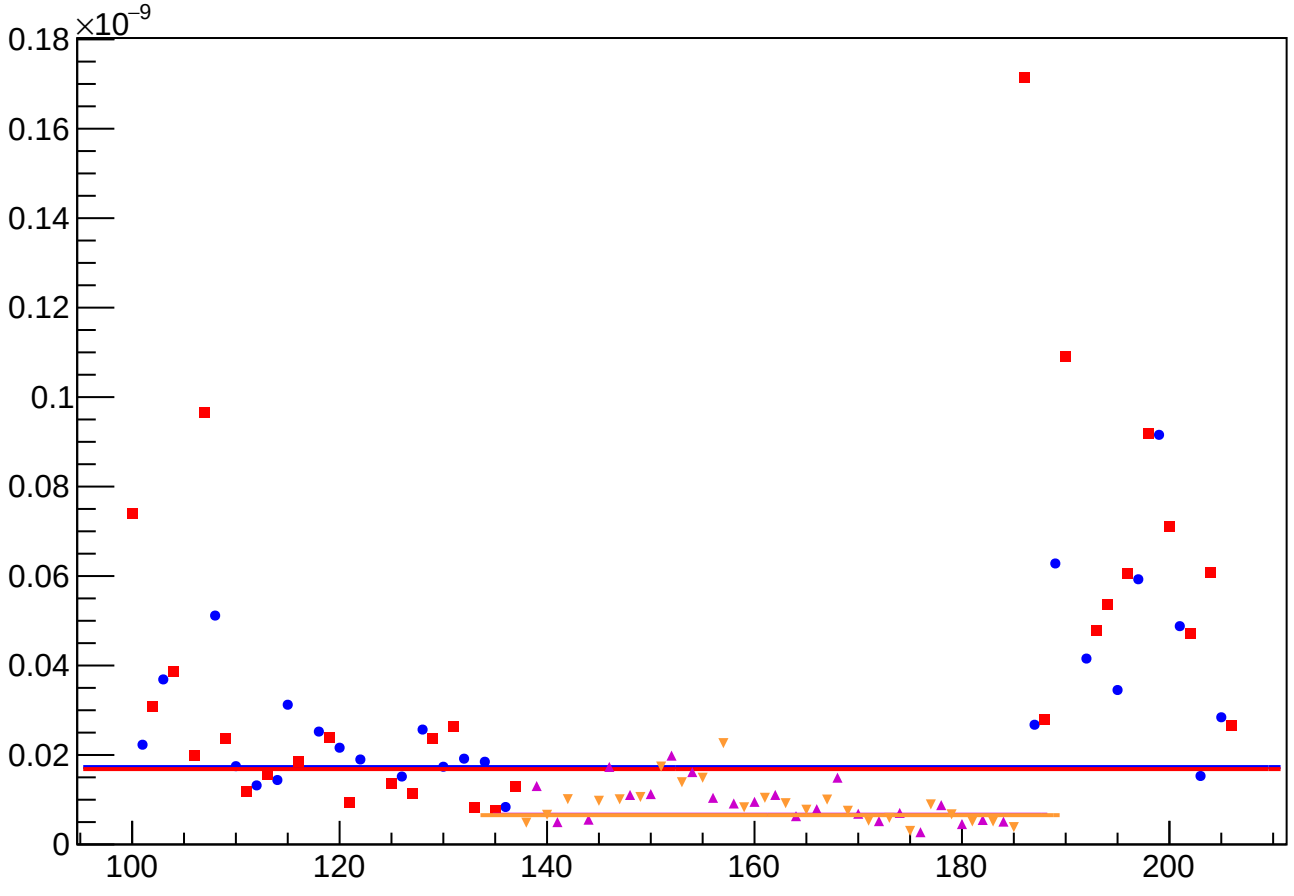
Right Out: 0.000+/-0.000 χ^2/NDF: 26.5/28

Left In: -0.000+/-0.000 χ^2/NDF:32.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.5/48

All: -0.000+/-0.000 χ^2/NDF: 95.5/100

- sign 0.000+/-0.000 χ^2/NDF: 59.7/51



Right In: 0.000+/-0.000 χ^2/NDF: 3097469.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2332749.6/23

Right Out: 0.000+/-0.000 χ^2/NDF: 4941573.7/28

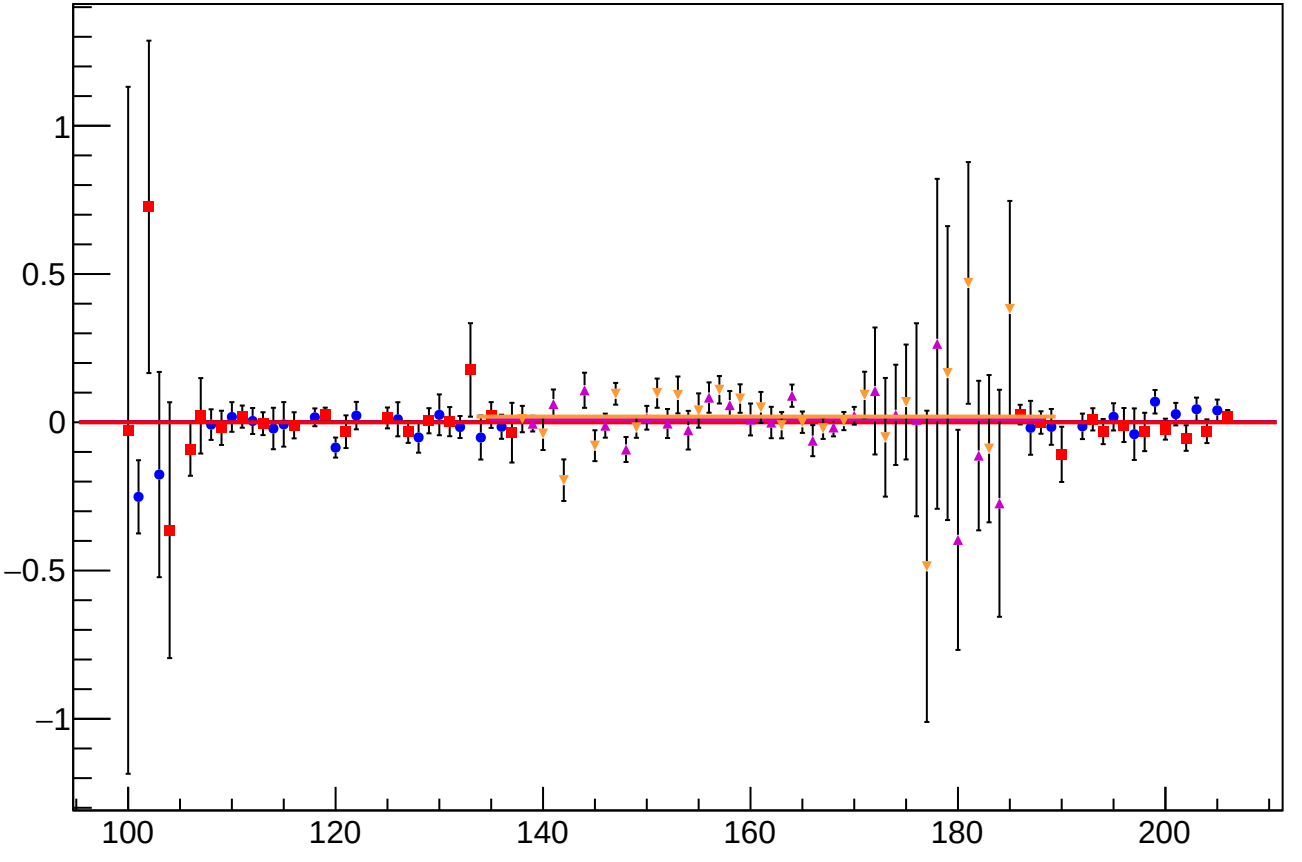
Left In: 0.000+/-0.000 χ^2/NDF:2542530.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 8001362.2/48

All: 0.000+/-0.000 χ^2/NDF: 17917995.0/100

- sign 0.000+/-0.000 χ^2/NDF: 9914461.2/51

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.010 χ^2/NDF: 20.2/24

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

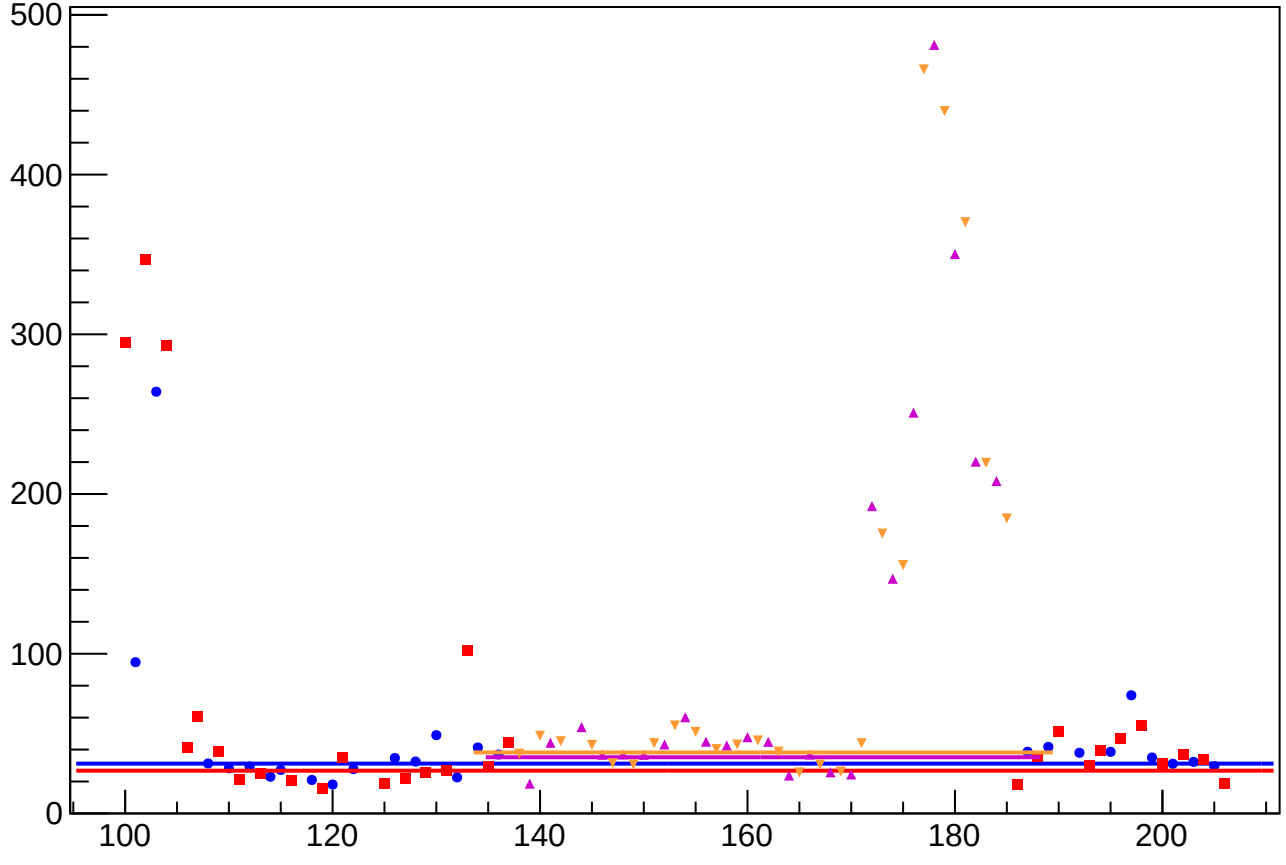
Right Out: 0.000+/-0.008 χ^2/NDF: 14.2/28

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.009+/-0.007 χ^2/NDF: 57.7/48

All: 0.006+/-0.005 χ^2/NDF: 96.5/100

- sign 0.004+/-0.006 χ^2/NDF: 38.5/51



Right In: 31.208+/-0.007 χ^2/NDF: 3031638.8/24

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

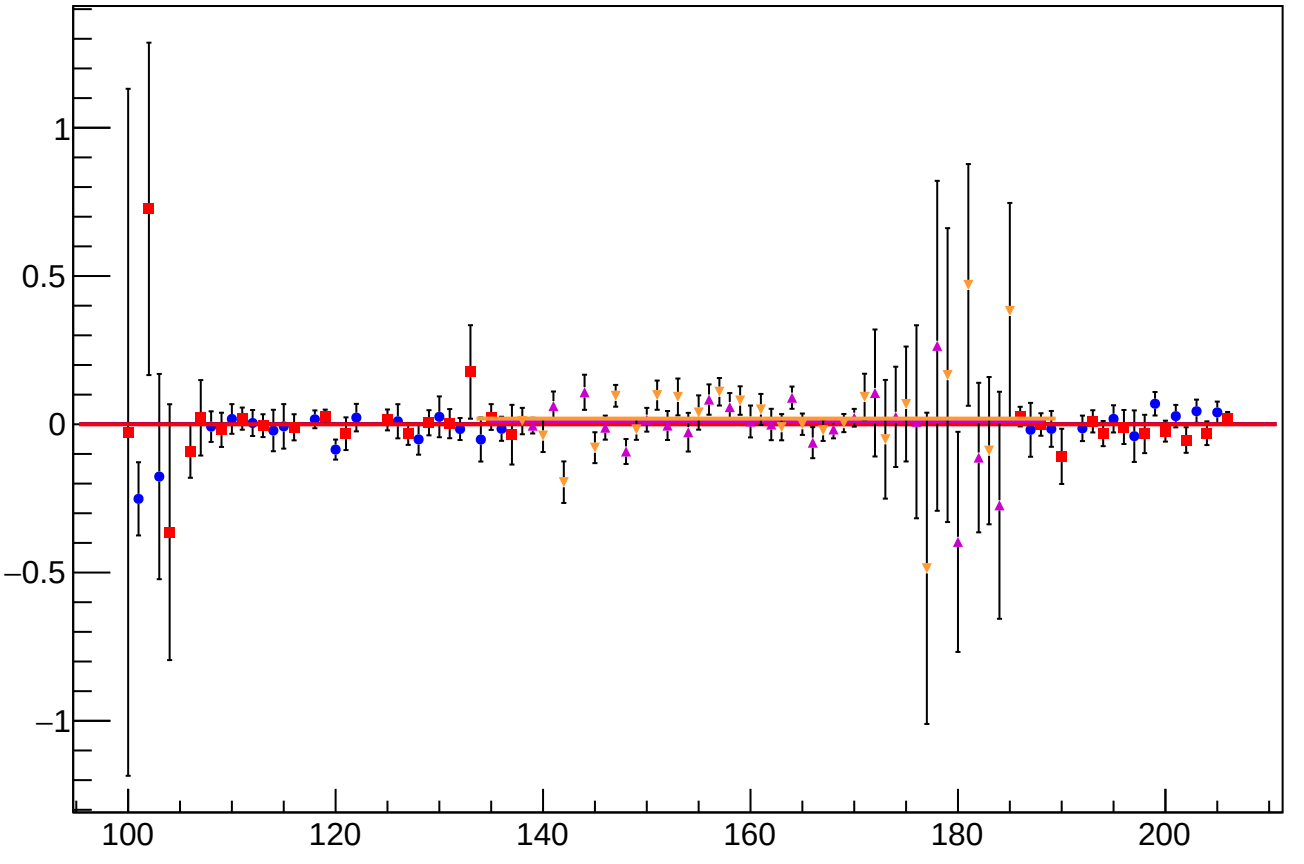
Right Out: 26.784+/-0.006 χ^2/NDF: 4696567.8/28

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.291+/-0.005 χ^2/NDF: 11786690.6/48

All: 31.885+/-0.003 χ^2/NDF: 27105532.9/100

- sign 30.000+/-0.004 χ^2/NDF: 14917268.1/51



Right In: 0.001+/-0.010 χ^2/NDF: 20.2/24

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

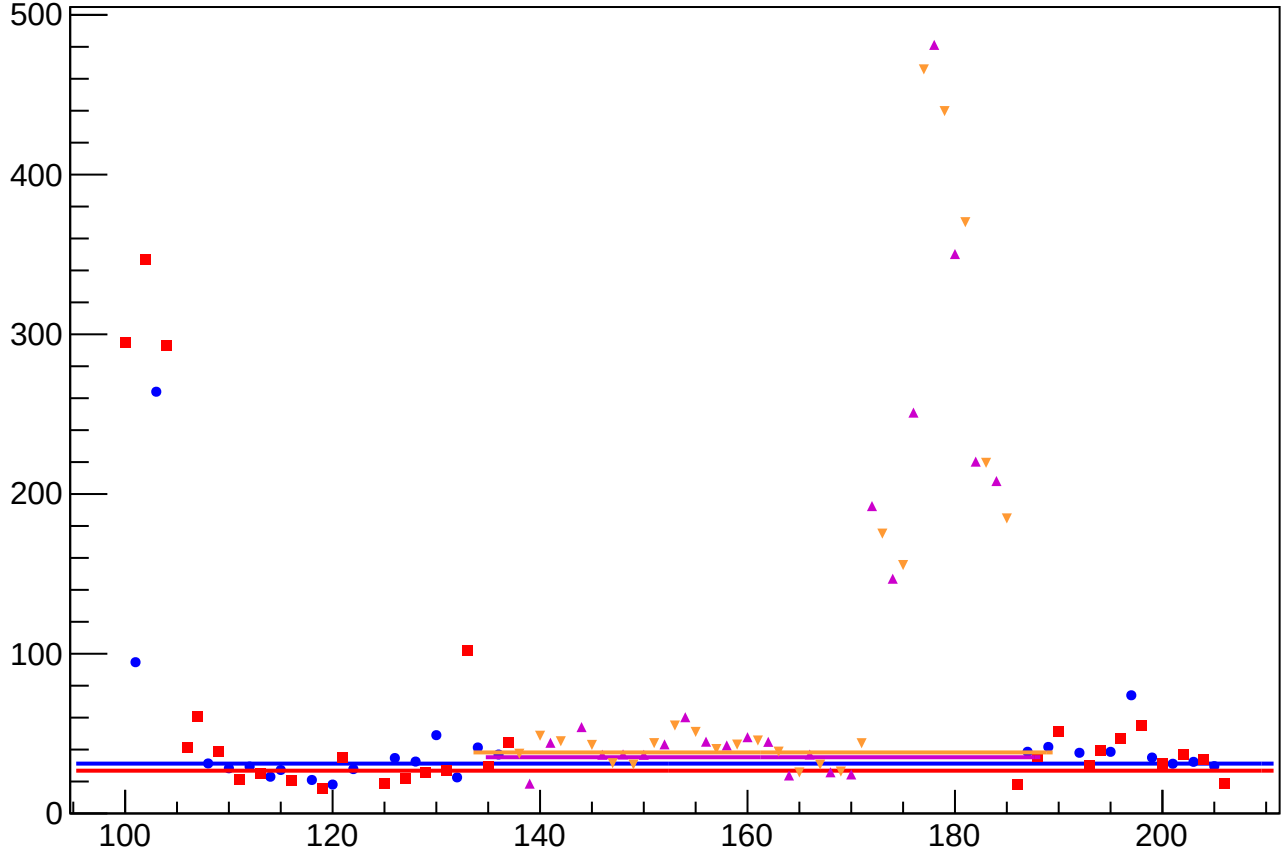
Right Out: 0.000+/-0.008 χ^2/NDF: 14.2/28

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.009+/-0.007 χ^2/NDF: 57.7/48

All: 0.006+/-0.005 χ^2/NDF: 96.5/100

- sign 0.004+/-0.006 χ^2/NDF: 38.5/51



Right In: 31.208+/-0.007 χ^2/NDF: 3031638.8/24

Left Out: 38.211+/-0.008 χ^2/NDF:8285024.8/23

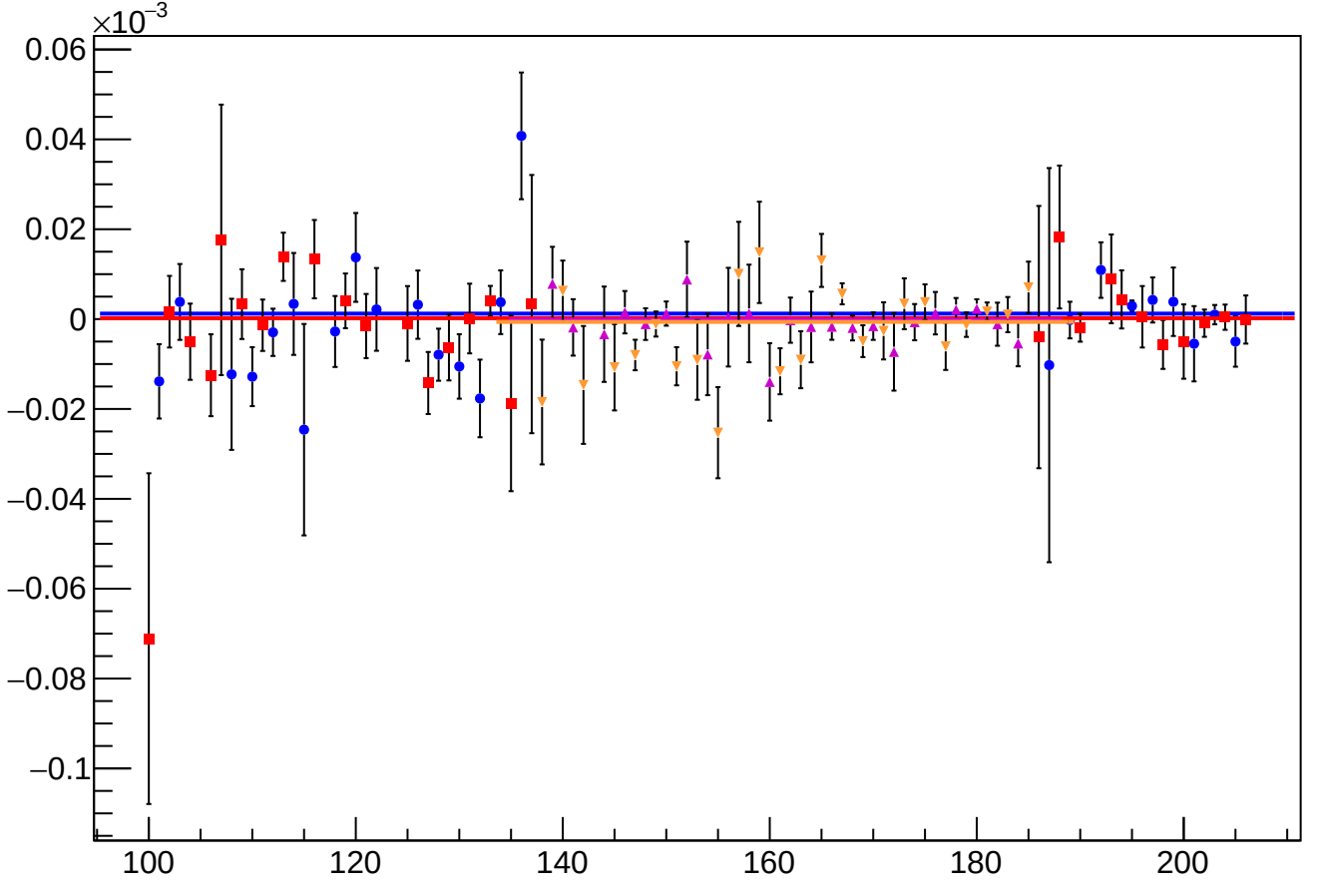
Right Out: 26.784+/-0.006 χ^2/NDF: 4696567.8/28

Left In: 35.195+/-0.007 χ^2/NDF:9390926.6/22

+ sign 34.291+/-0.005 χ^2/NDF: 11786690.6/48

All: 31.885+/-0.003 χ^2/NDF: 27105532.9/100

- sign 30.000+/-0.004 χ^2/NDF: 14917268.1/51



Right In: 0.000+/-0.000 χ^2/NDF: 37.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:51.2/23

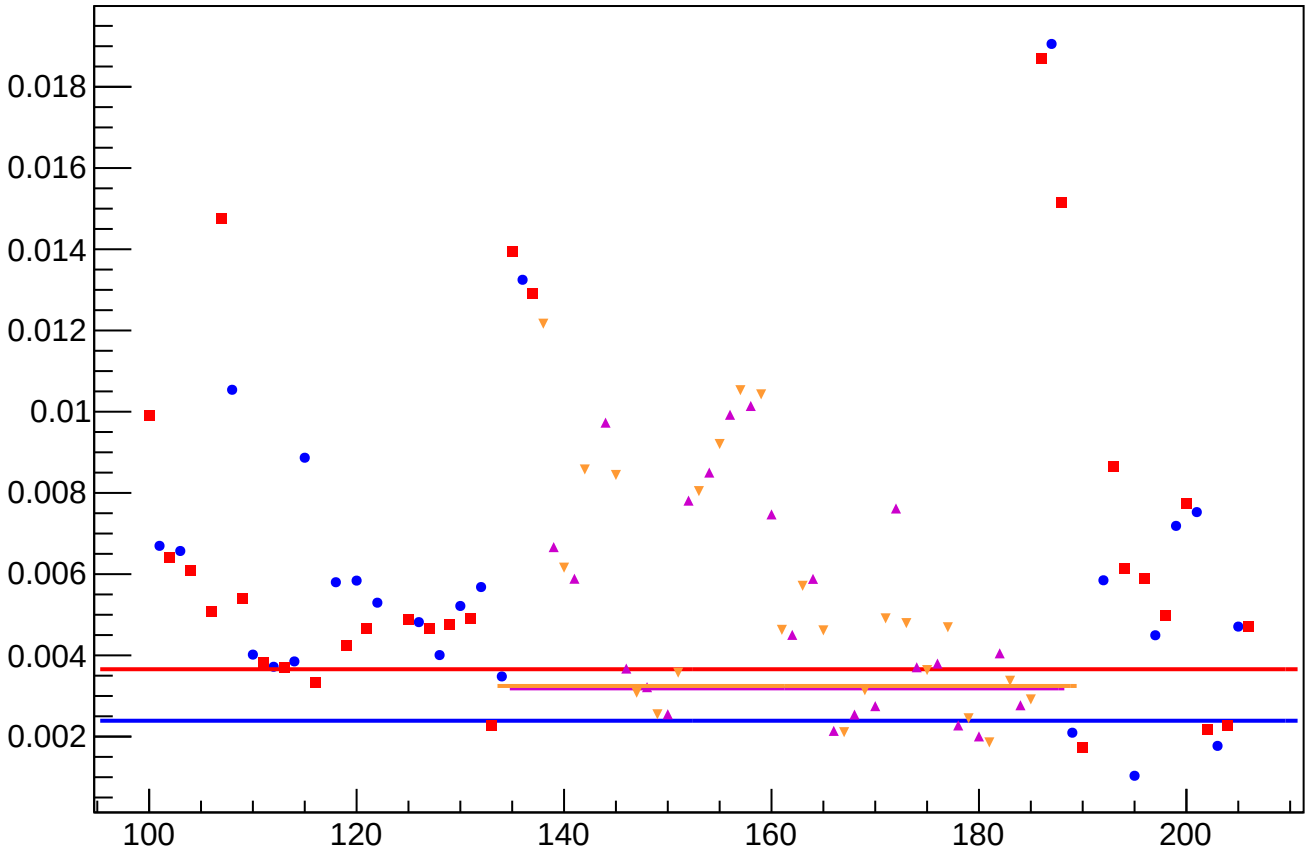
Right Out: 0.000+/-0.000 χ^2/NDF: 28.0/28

Left In: -0.000+/-0.000 χ^2/NDF:11.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 90.8/48

All: 0.000+/-0.000 χ^2/NDF: 129.9/100

- sign 0.000+/-0.000 χ^2/NDF: 39.0/51



Right In: 0.002+/-0.000 χ^2/NDF: 10743773.1/24

Left Out: 0.003+/-0.000 χ^2/NDF:7736973.1/23

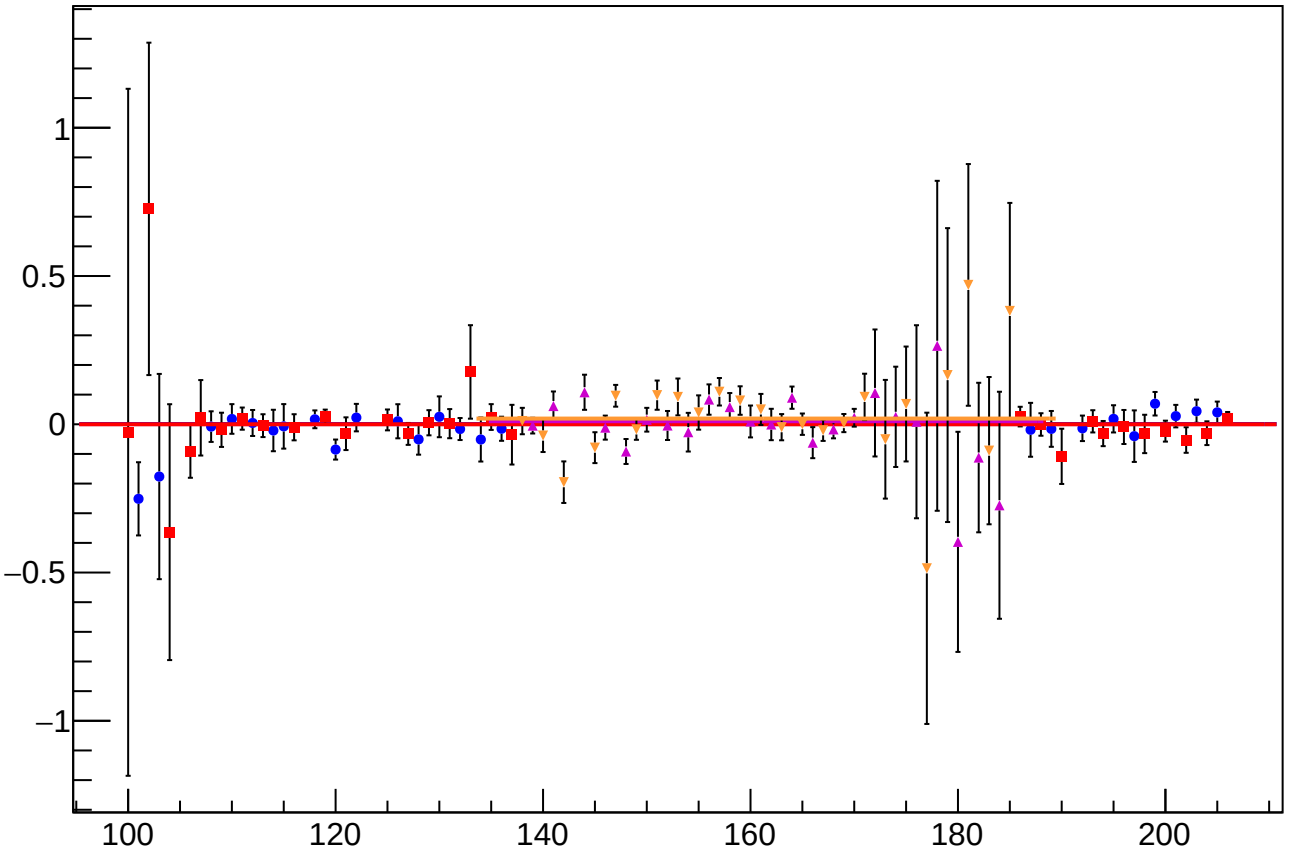
Right Out: 0.004+/-0.000 χ^2/NDF: 7237083.3/28

Left In: 0.003+/-0.000 χ^2/NDF:7301771.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 19454011.3/48

All: 0.003+/-0.000 χ^2/NDF: 34935758.8/100

- sign 0.003+/-0.000 χ^2/NDF: 14767446.8/51



Right In: 0.001+/-0.010 χ^2/NDF: 20.2/24

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

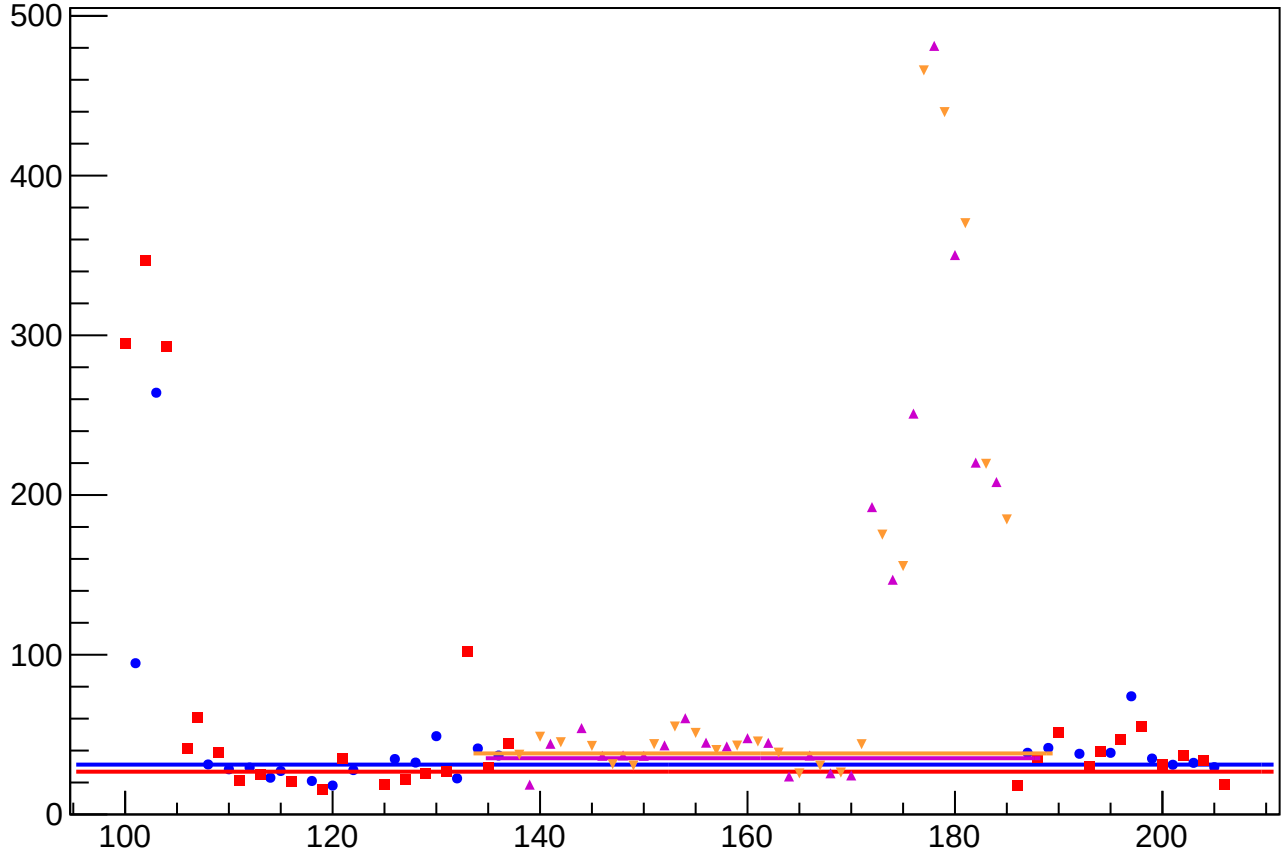
Right Out: 0.000+/-0.008 χ^2/NDF: 14.2/28

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.009+/-0.007 χ^2/NDF: 57.7/48

All: 0.006+/-0.005 χ^2/NDF: 96.5/100

- sign 0.004+/-0.006 χ^2/NDF: 38.5/51



Right In: 31.207+/-0.007 χ^2/NDF: 3031703.4/24

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

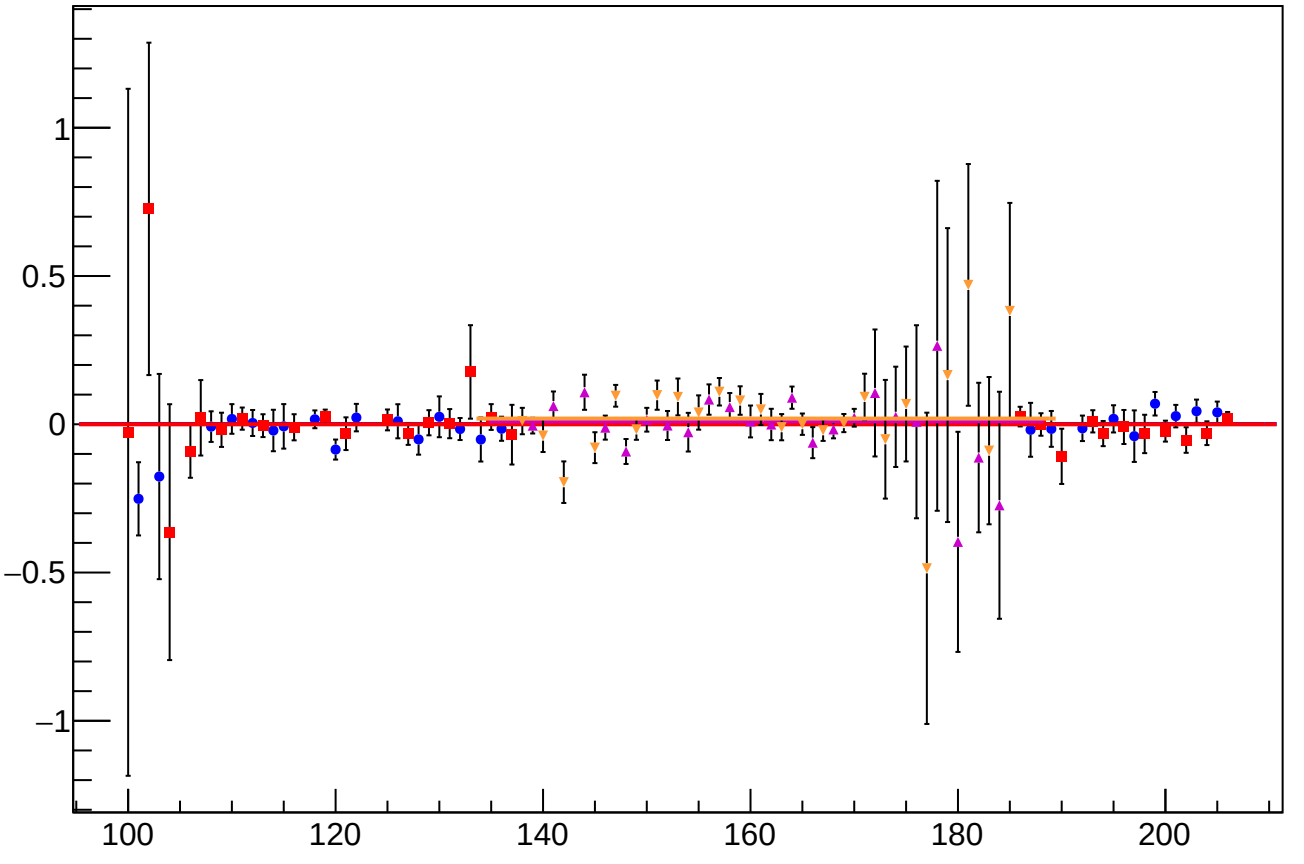
Right Out: 26.782+/-0.006 χ^2/NDF: 4696805.9/28

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.291+/-0.005 χ^2/NDF: 11786966.7/48

All: 31.884+/-0.003 χ^2/NDF: 27106888.5/100

- sign 29.999+/-0.004 χ^2/NDF: 14918201.1/51



Right In: 0.001+/-0.010 χ^2/NDF: 20.2/24

Left Out: 0.019+/-0.011 χ^2/NDF:35.9/23

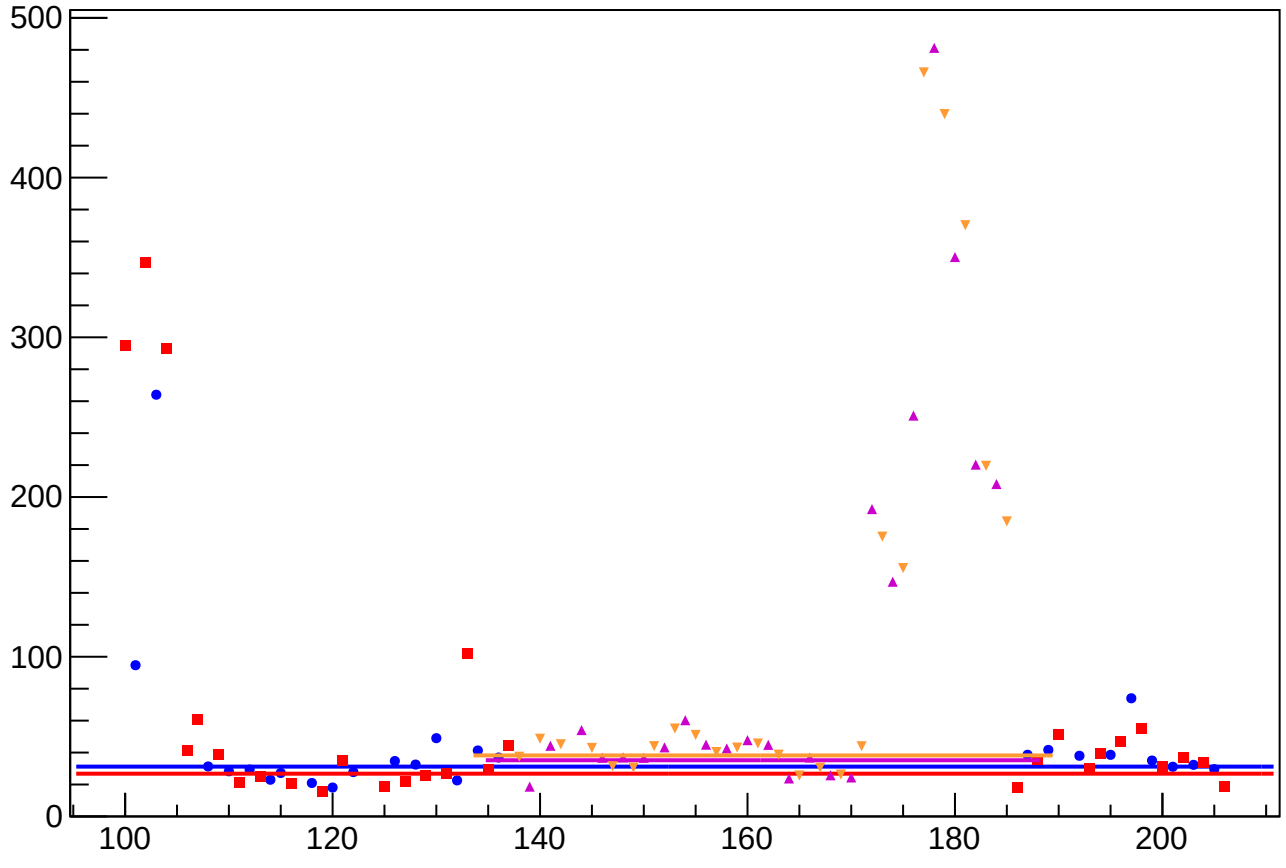
Right Out: 0.000+/-0.008 χ^2/NDF: 14.2/28

Left In: 0.010+/-0.010 χ^2/NDF:23.6/22

+ sign 0.009+/-0.007 χ^2/NDF: 57.7/48

All: 0.006+/-0.005 χ^2/NDF: 96.5/100

- sign 0.004+/-0.006 χ^2/NDF: 38.5/51



Right In: 31.207+/-0.007 χ^2/NDF: 3031703.4/24

Left Out: 38.210+/-0.008 χ^2/NDF:8285200.7/23

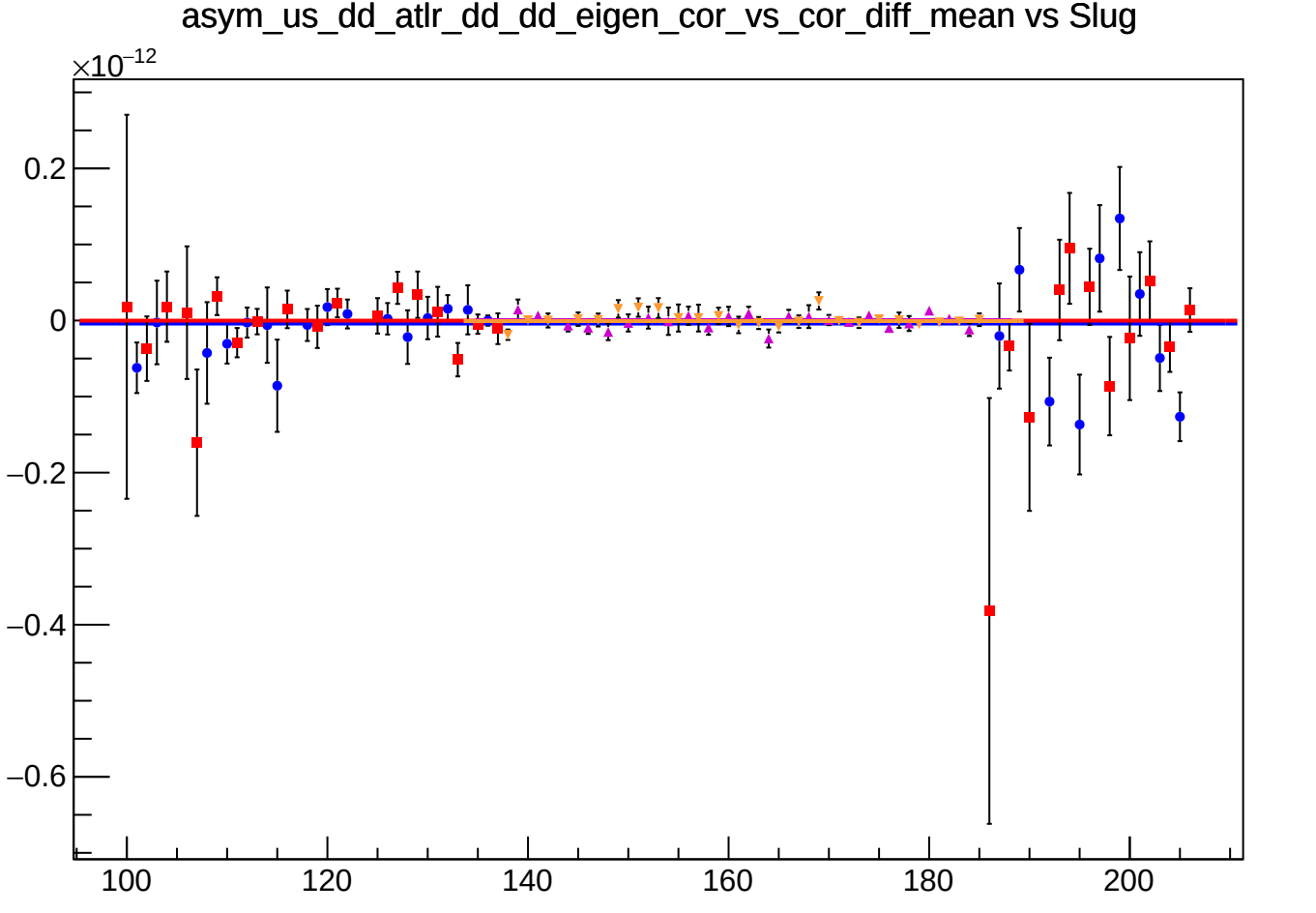
Right Out: 26.782+/-0.006 χ^2/NDF: 4696805.9/28

Left In: 35.195+/-0.007 χ^2/NDF:9391361.4/22

+ sign 34.291+/-0.005 χ^2/NDF: 11786966.7/48

All: 31.884+/-0.003 χ^2/NDF: 27106888.5/100

- sign 29.999+/-0.004 χ^2/NDF: 14918201.1/51



Right In: -0.000+/-0.000 χ^2/NDF: 40.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:21.1/23

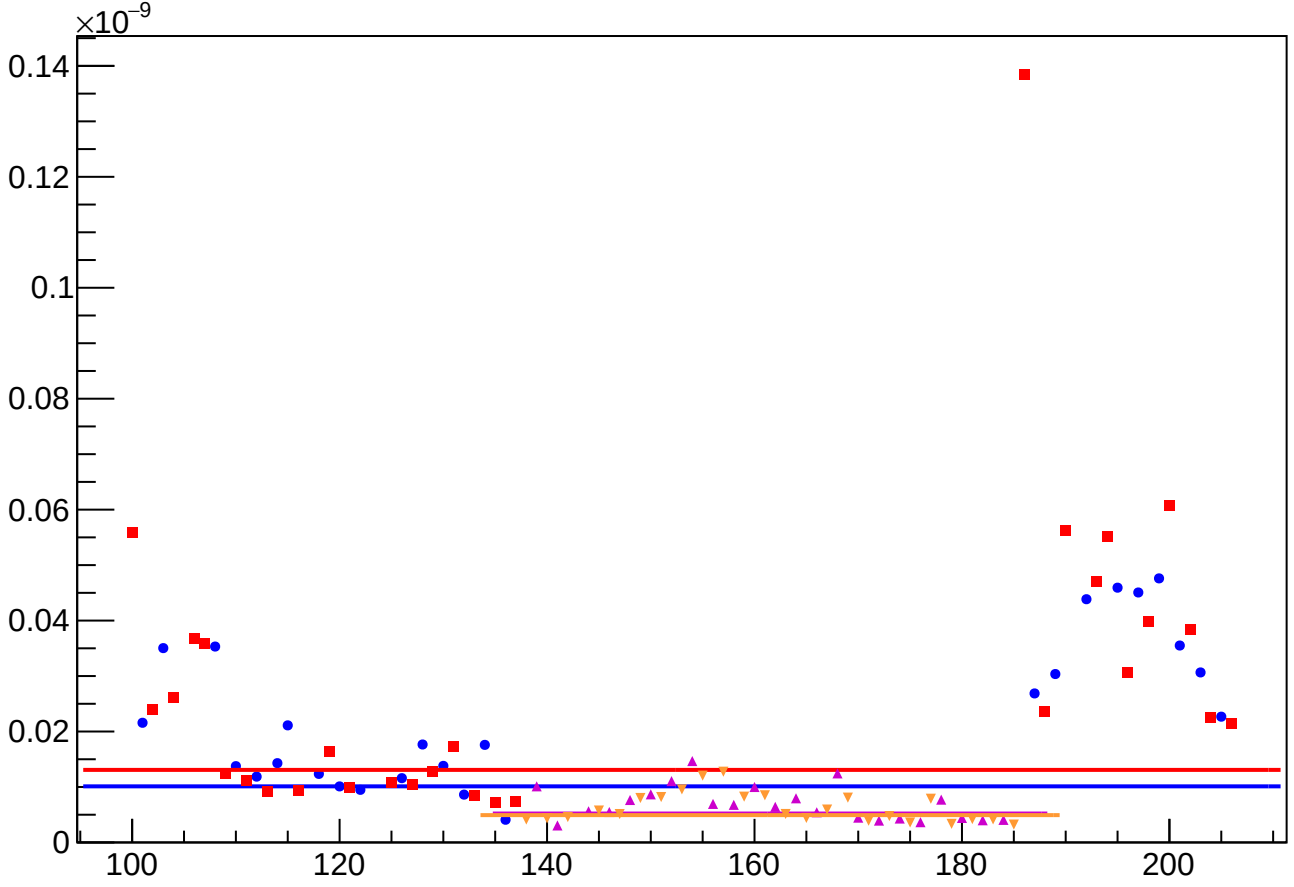
Right Out: -0.000+/-0.000 χ^2/NDF: 32.0/28

Left In: 0.000+/-0.000 χ^2/NDF:26.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.2/48

All: -0.000+/-0.000 χ^2/NDF: 120.9/100

- sign 0.000+/-0.000 χ^2/NDF: 58.2/51



Right In: 0.000+/-0.000 χ^2/NDF: 6930288.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:2632036.7/23

Right Out: 0.000+/-0.000 χ^2/NDF: 5743302.4/28

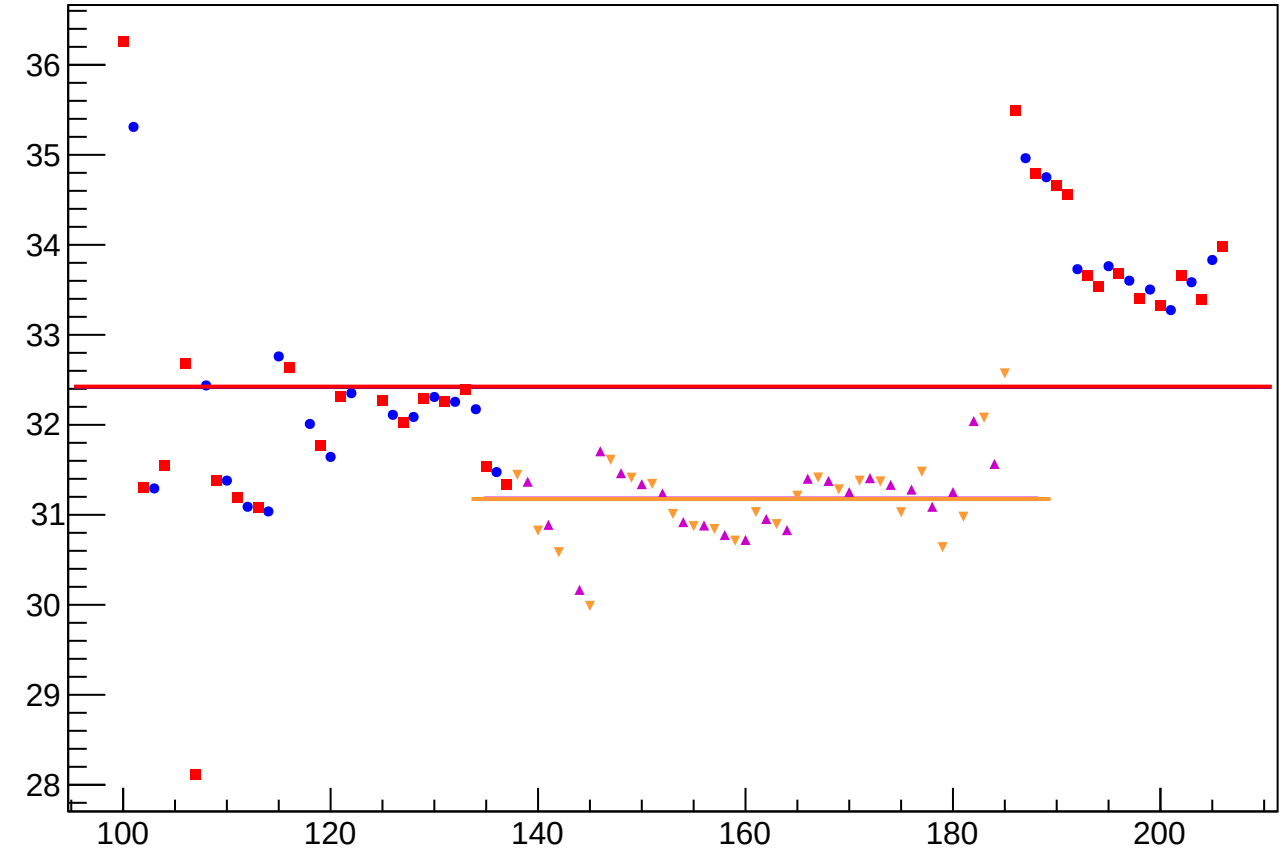
Left In: 0.000+/-0.000 χ^2/NDF:3449719.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11833140.6/48

All: 0.000+/-0.000 χ^2/NDF: 25211589.6/100

- sign 0.000+/-0.000 χ^2/NDF: 13291396.4/51

yield_usl_mean vs Slug



Right In: 32.420+/-0.000 χ^2/NDF: 1802216470.8/24

Left Out: 31.176+/-0.000 χ^2/NDF:529824418.6/23

Right Out: 32.424+/-0.000 χ^2/NDF: 2005075442.2/29

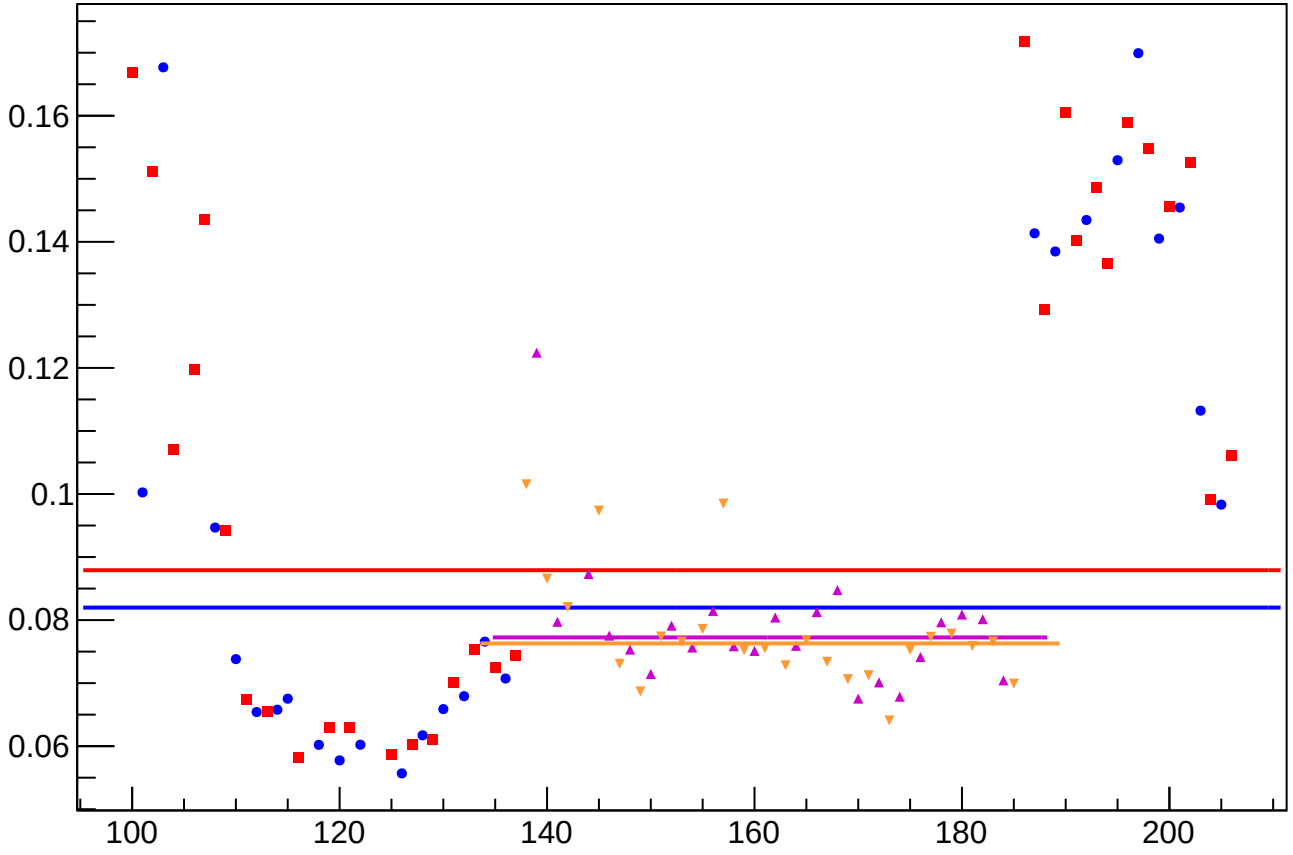
Left In: 31.181+/-0.000 χ^2/NDF:376263410.1/22

+ sign 31.640+/-0.000 χ^2/NDF: 3994066590.7/48

All: 31.649+/-0.000 χ^2/NDF: 8022570517.7/1

- sign 31.659+/-0.000 χ^2/NDF: 4027705598.9/52

yield_usl_rms vs Slug



Right In: 0.082+/-0.000 χ^2/NDF: 3342182.2/24

Left Out: 0.076+/-0.000 χ^2/NDF:356697.3/23

Right Out: 0.088+/-0.000 χ^2/NDF: 3939244.9/29

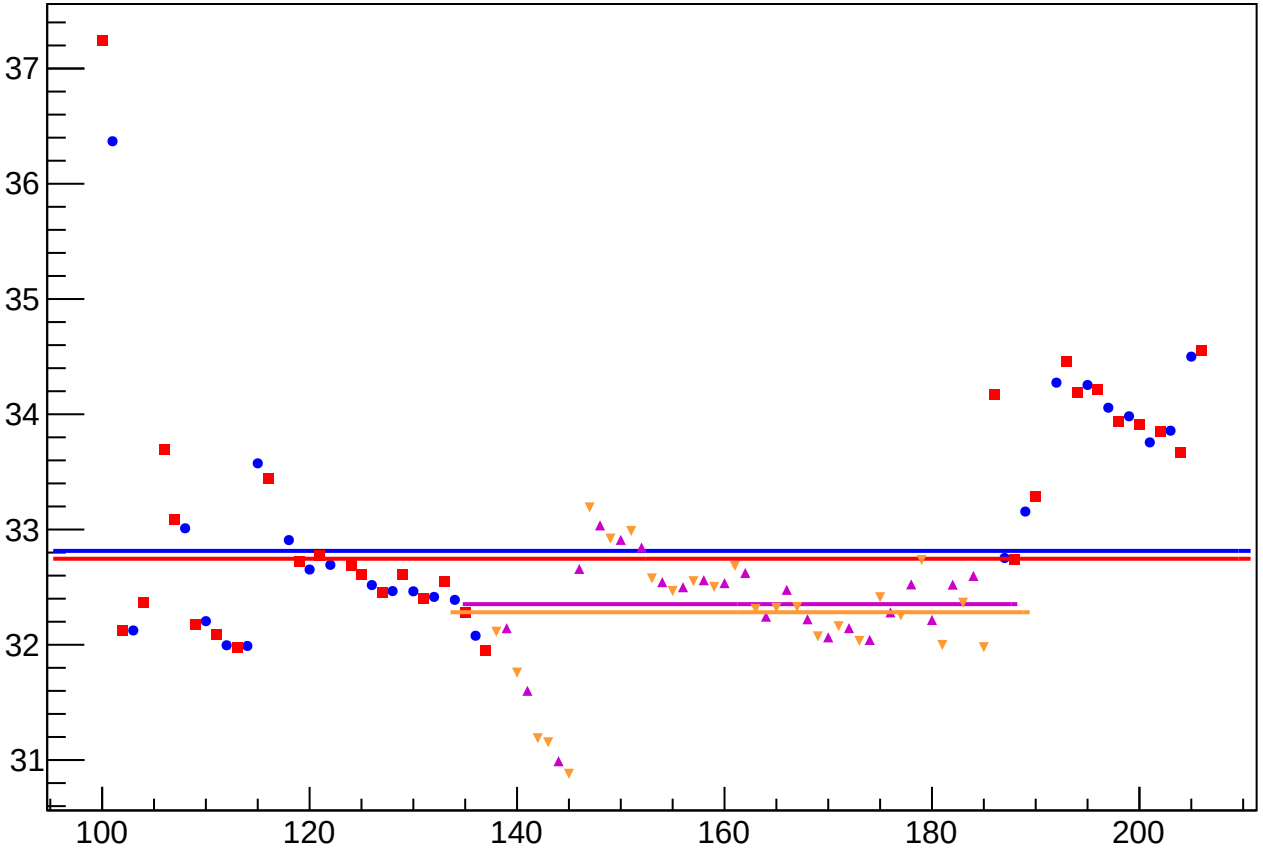
Left In: 0.077+/-0.000 χ^2/NDF:365206.5/22

+ sign 0.078+/-0.000 χ^2/NDF: 3768357.8/48

All: 0.080+/-0.000 χ^2/NDF: 8353878.1/101

- sign 0.081+/-0.000 χ^2/NDF: 4546591.9/52

yield_usr_mean vs Slug



Right In: 32.815+/-0.000 χ^2/NDF: 980464329.1/24

Left Out: 32.282+/-0.000 χ^2/NDF:838959313.2/24

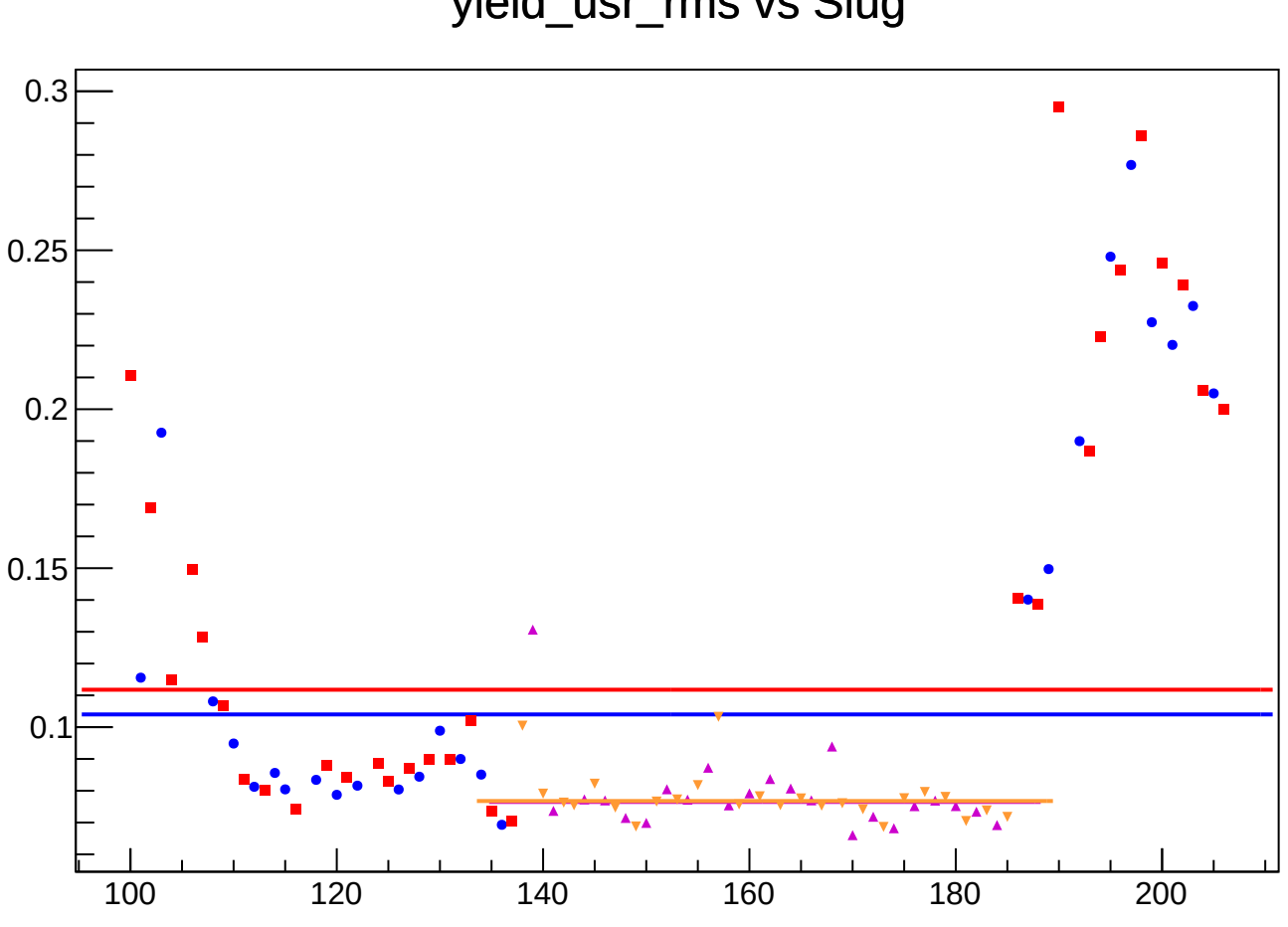
Right Out: 32.747+/-0.000 χ^2/NDF: 529551502.6/29

Left In: 32.353+/-0.000 χ^2/NDF:589893462.0/22

+ sign 32.415+/-0.000 χ^2/NDF: 2030374996.3/49

All: 32.434+/-0.000 χ^2/NDF: 3267813178.7/1

- sign 32.454+/-0.000 χ^2/NDF: 1234391137.9/52



Right In: 0.104+/-0.000 χ^2/NDF: 4634391.0/24

Left Out: 0.077+/-0.000 χ^2/NDF:250795.7/24

Right Out: 0.112+/-0.000 χ^2/NDF: 5163159.9/29

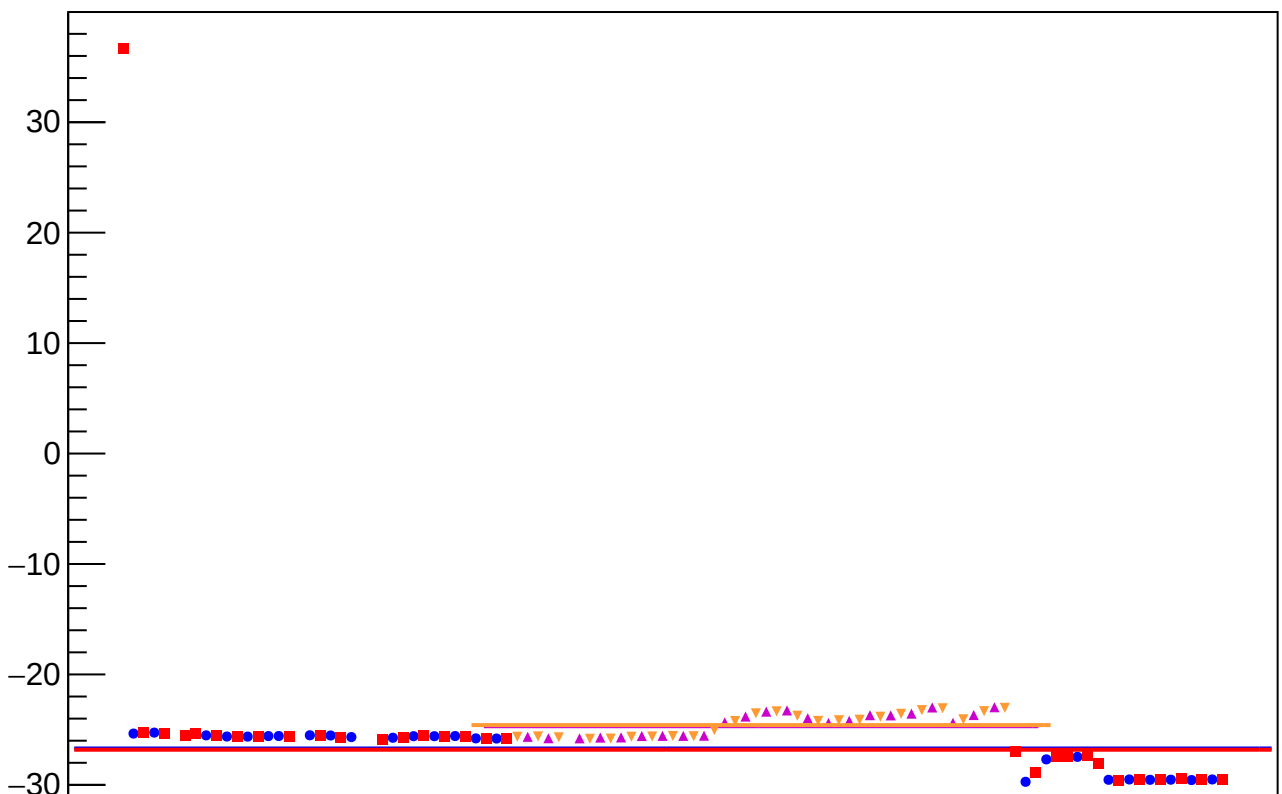
Left In: 0.076+/-0.000 χ^2/NDF:482593.3/22

+ sign 0.084+/-0.000 χ^2/NDF: 5989824.7/49

All: 0.085+/-0.000 χ^2/NDF: 13497567.9/102

- sign 0.086+/-0.000 χ^2/NDF: 7491660.1/52

yield_dsl_mean vs Slug



Right In: -26.705+/-0.000 χ^2/NDF: 17479497321.5/24

Left Out: -24.587+/-0.000 χ^2/NDF:9182387434.6/23

Right Out: -26.817+/-0.000 χ^2/NDF: 27859199827.2/29

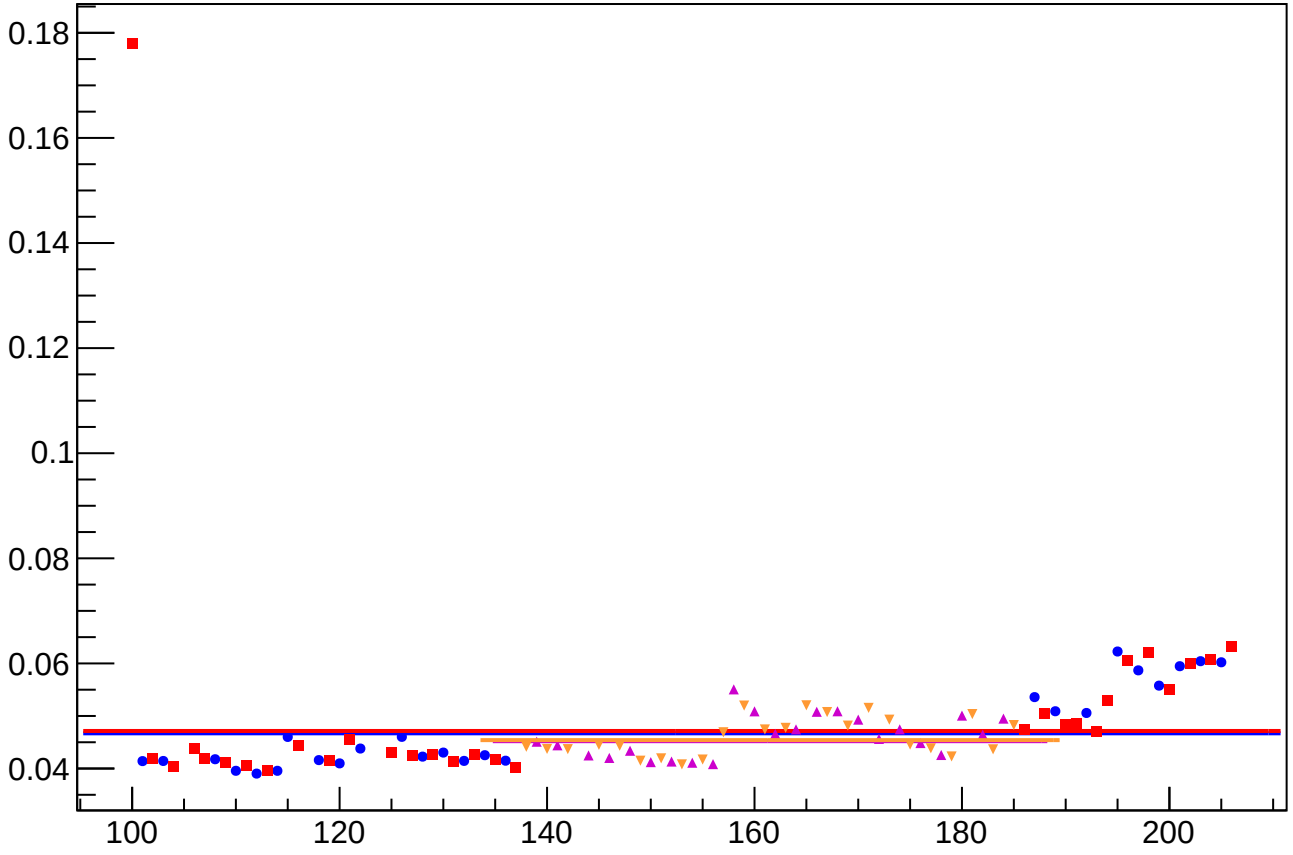
Left In: -24.689+/-0.000 χ^2/NDF:8820957974.3/22

+ sign -25.462+/-0.000 χ^2/NDF: 42833714325.4/48

All: -25.550+/-0.000 χ^2/NDF: 97276121257.7

- sign -25.634+/-0.000 χ^2/NDF: 54215255142.2/52

yield_dsl_rms vs Slug



Right In: 0.047+/-0.000 χ^2/NDF: 703180.1/24

Left Out: 0.045+/-0.000 χ^2/NDF:205535.7/23

Right Out: 0.047+/-0.000 χ^2/NDF: 843336.9/29

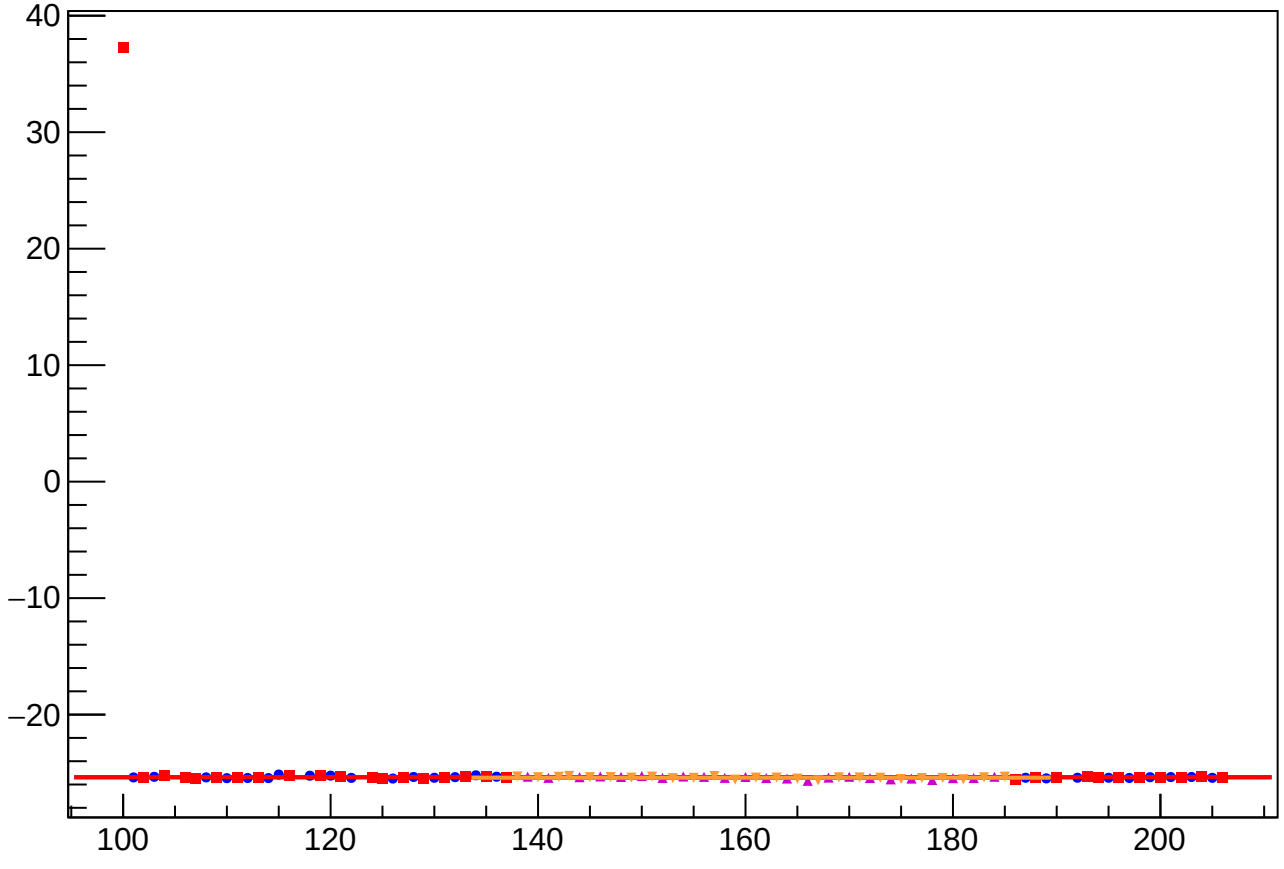
Left In: 0.045+/-0.000 χ^2/NDF:244675.5/22

+ sign 0.046+/-0.000 χ^2/NDF: 920823.9/48

All: 0.046+/-0.000 χ^2/NDF: 2038302.2/101

- sign 0.046+/-0.000 χ^2/NDF: 1117229.7/52

yield_dsr_mean vs Slug



Right In: -25.385+/-0.000 χ^2/NDF: 19436875.1/24

Left Out: -25.417+/-0.000 χ^2/NDF:52213098.9/24

Right Out: -25.367+/-0.000 χ^2/NDF: 6331886386.3/29

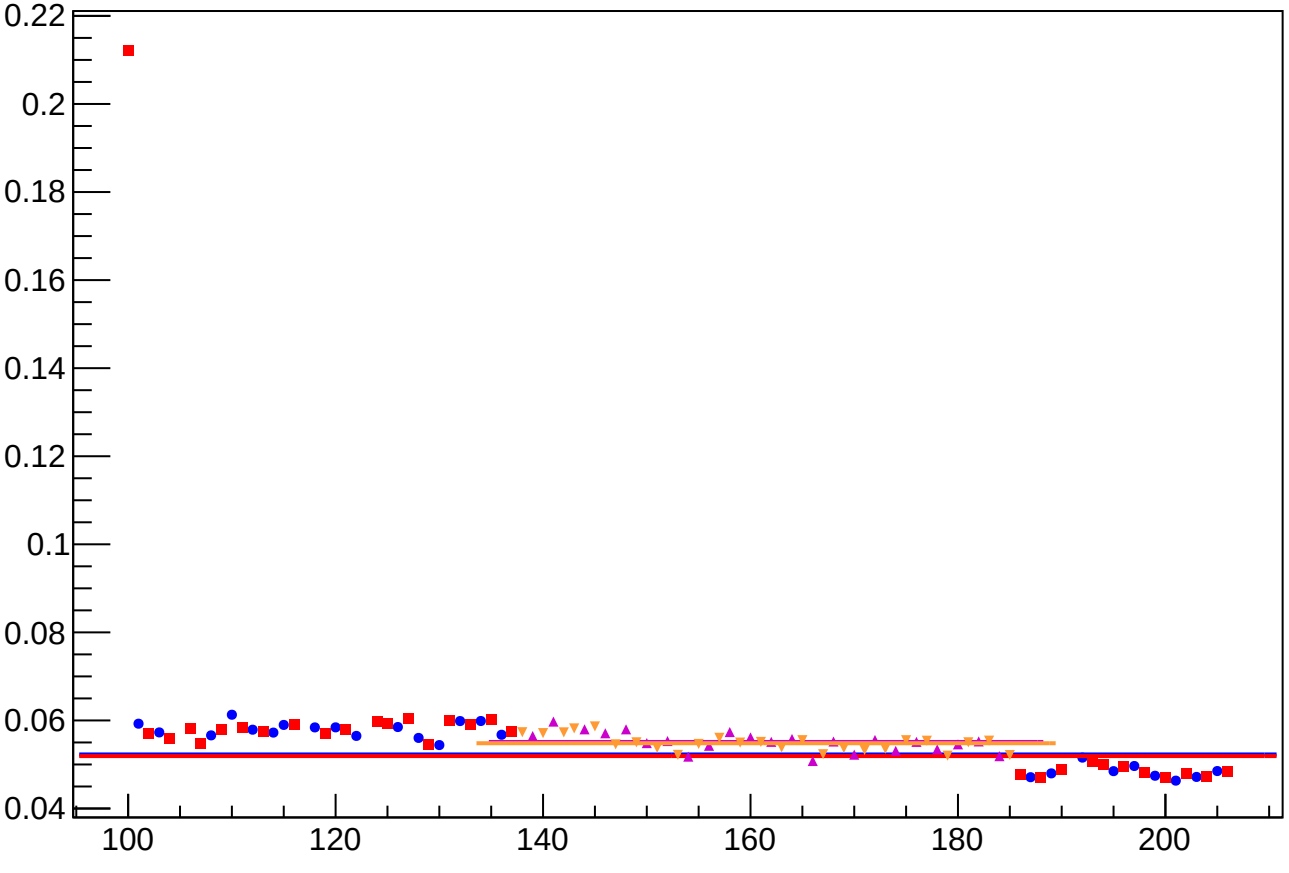
Left In: -25.414+/-0.000 χ^2/NDF:55851916.1/22

+ sign -25.403+/-0.000 χ^2/NDF: 74393093.1/49

All: -25.397+/-0.000 χ^2/NDF: 6469323125.8/

- sign -25.391+/-0.000 χ^2/NDF: 6394114914.7/52

yield_dsr_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 238720.3/24

Left Out: 0.055+/-0.000 χ^2/NDF:38095.1/24

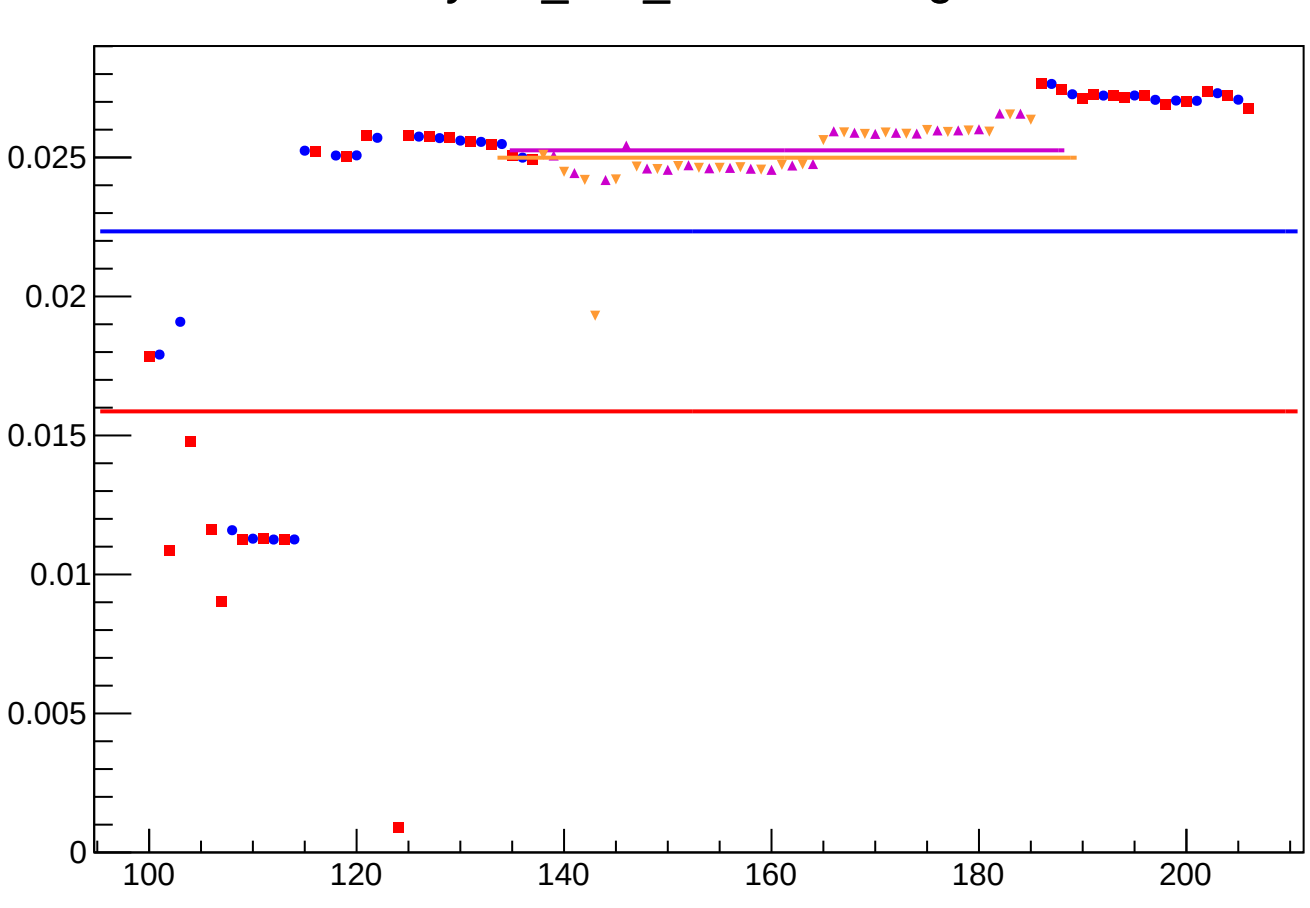
Right Out: 0.052+/-0.000 χ^2/NDF: 352188.9/29

Left In: 0.055+/-0.000 χ^2/NDF:51531.3/22

+ sign 0.054+/-0.000 χ^2/NDF: 312684.3/49

All: 0.054+/-0.000 χ^2/NDF: 776550.7/102

- sign 0.054+/-0.000 χ^2/NDF: 463502.2/52



Right In: 0.022+/-0.000 χ^2/NDF: 89632974474.9/24

Left Out: 0.025+/-0.000 χ^2/NDF:7880064969.5/24

Right Out: 0.016+/-0.000 χ^2/NDF: 429639270604.0/30

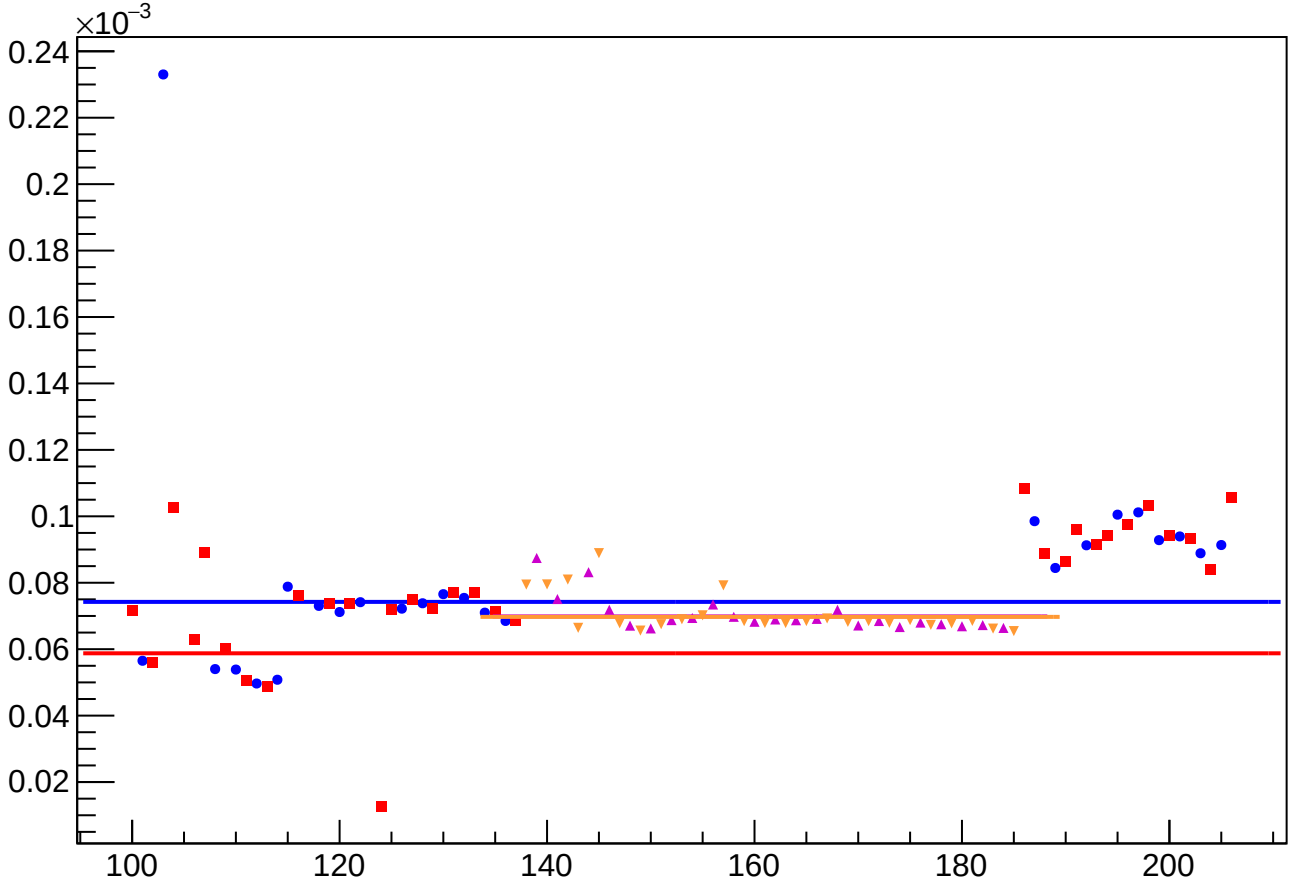
Left In: 0.025+/-0.000 χ^2/NDF:1884783780.3/22

+ sign 0.024+/-0.000 χ^2/NDF: 107763545190.3/49

All: 0.022+/-0.000 χ^2/NDF: 734537813051.0

- sign 0.021+/-0.000 χ^2/NDF: 589927221194.2/53

yield_atl1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 1675160.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:188211.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7302844.6/30

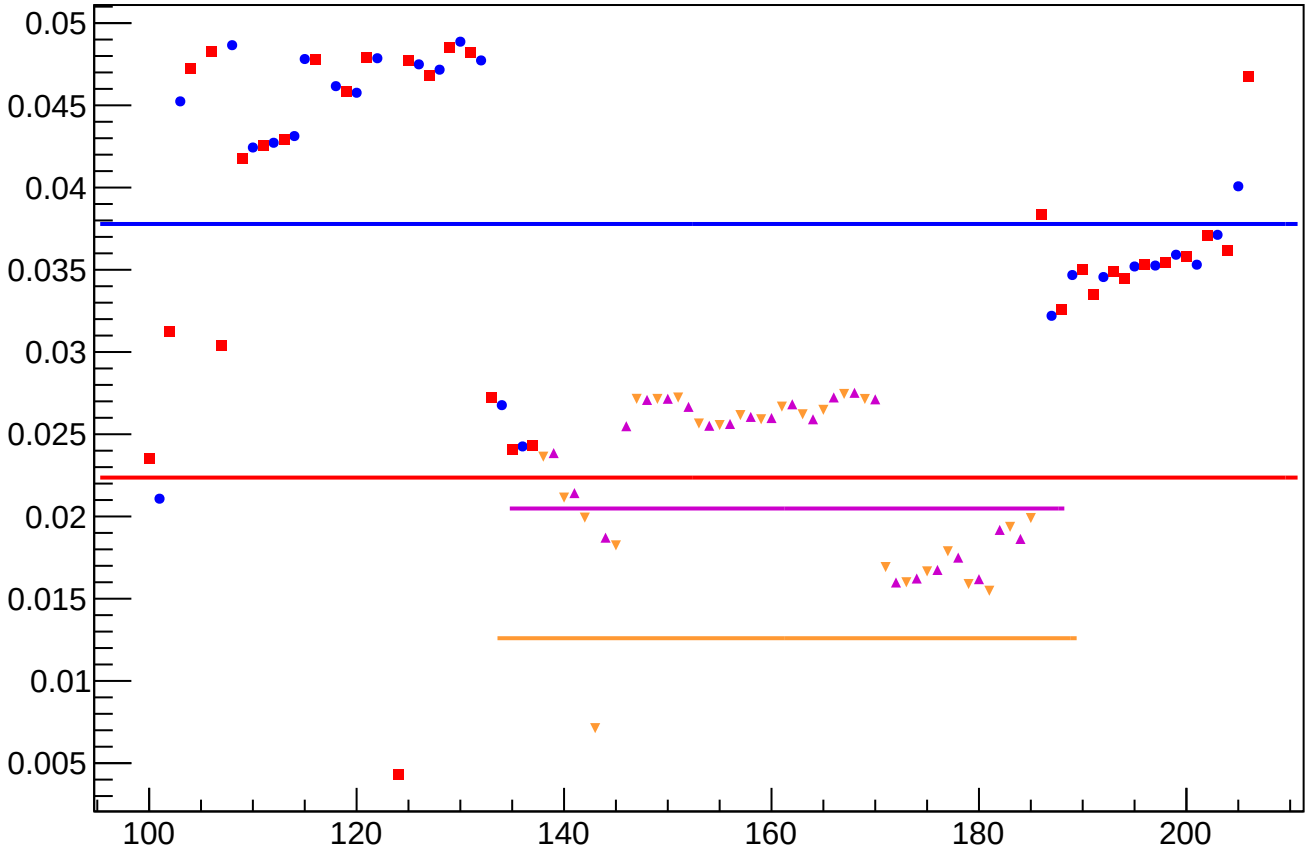
Left In: 0.000+/-0.000 χ^2/NDF:152421.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 1922767.9/49

All: 0.000+/-0.000 χ^2/NDF: 10145600.9/103

- sign 0.000+/-0.000 χ^2/NDF: 7898718.9/53

yield_atl2_mean vs Slug



Right In: 0.038+/-0.000 χ^2/NDF: 7227987754.0/24

Left Out: 0.013+/-0.000 χ^2/NDF:37338500367.6/24

Right Out: 0.022+/-0.000 χ^2/NDF: 46853034264.6/30

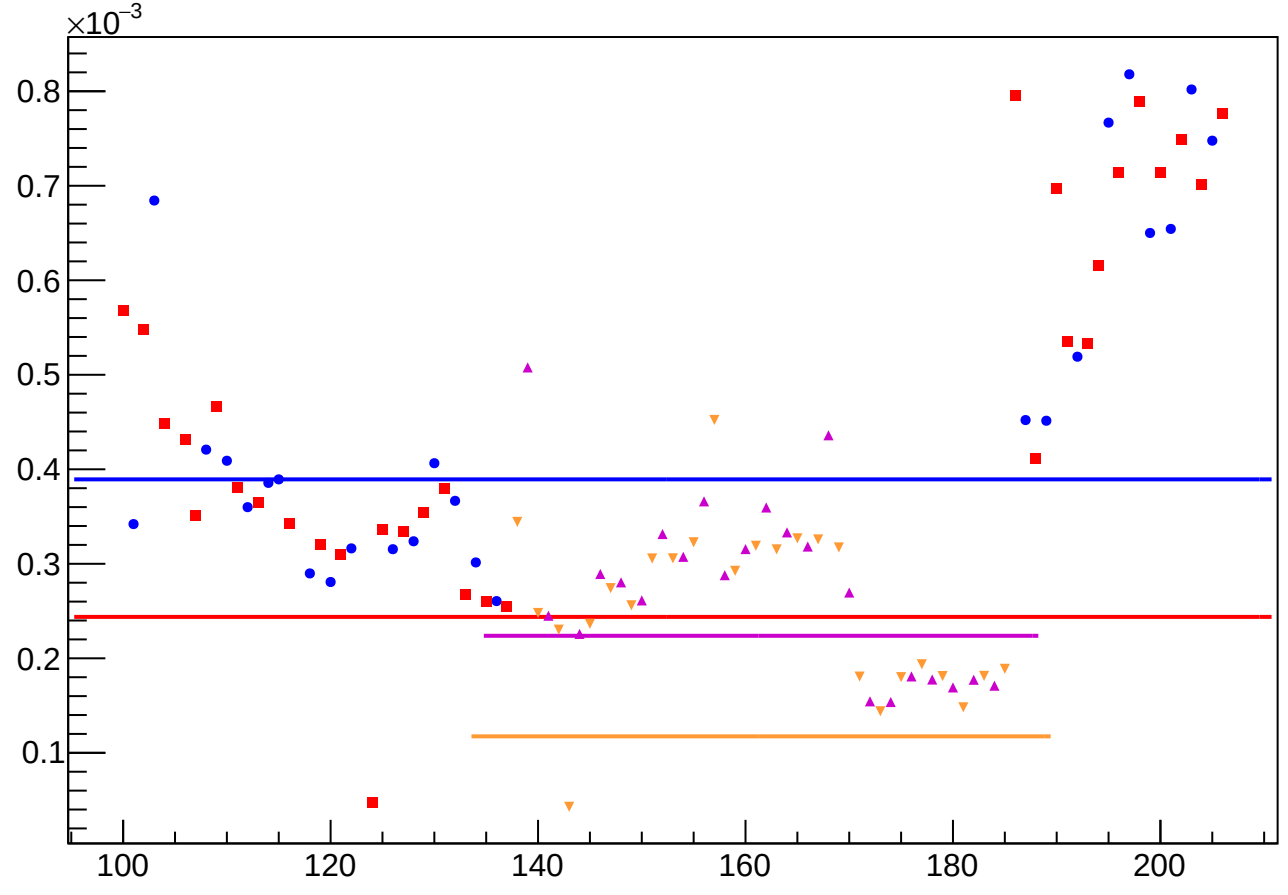
Left In: 0.020+/-0.000 χ^2/NDF:6099907424.9/22

+ sign 0.015+/-0.000 χ^2/NDF: 87831074443.1/49

All: 0.017+/-0.000 χ^2/NDF: 152304755361.4

- sign 0.021+/-0.000 χ^2/NDF: 53296854451.8/53

yield_atl2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3334528.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:14390785.9/24

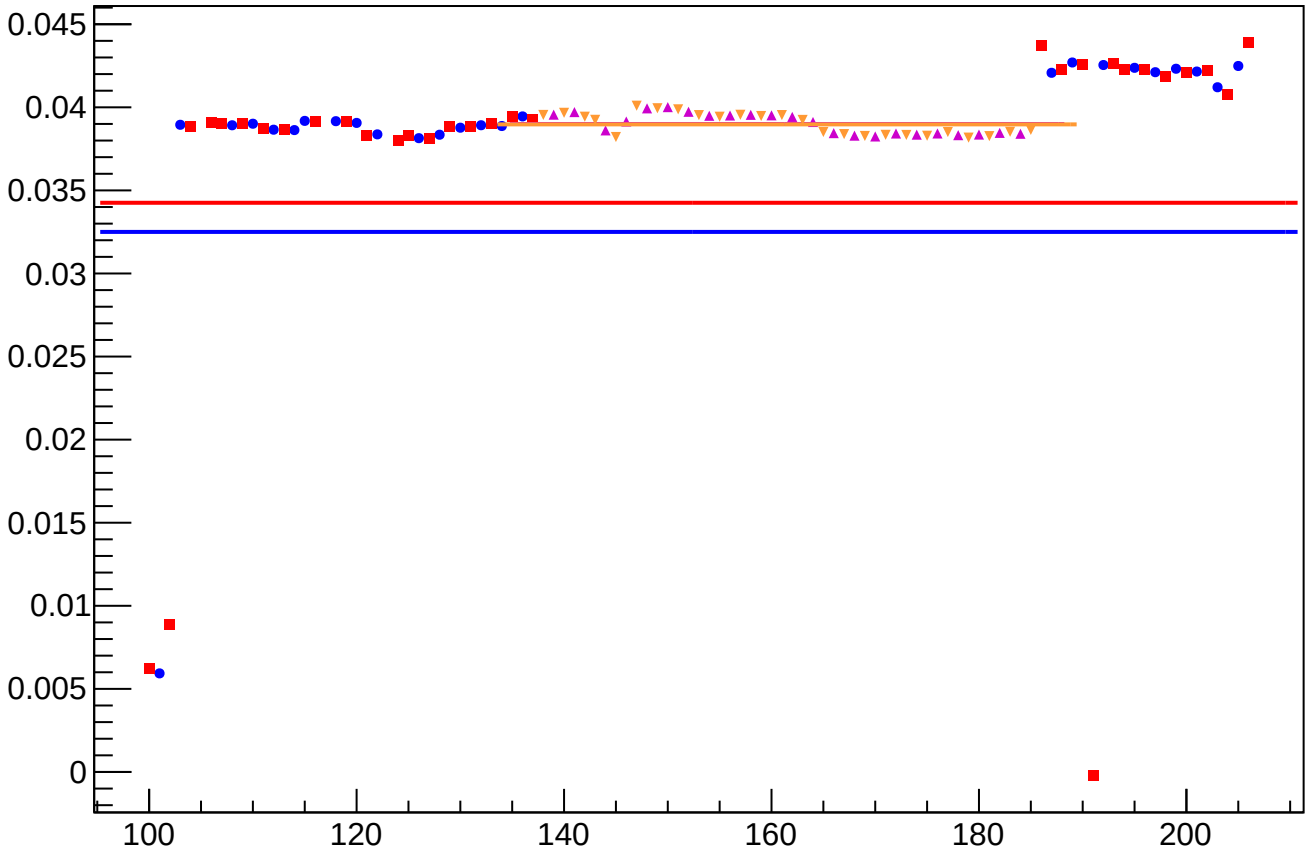
Right Out: 0.000+/-0.000 χ^2/NDF: 13337677.8/30

Left In: 0.000+/-0.000 χ^2/NDF:3388230.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 27809180.7/49

All: 0.000+/-0.000 χ^2/NDF: 49120815.1/103

- sign 0.000+/-0.000 χ^2/NDF: 16803694.9/53



Right In: 0.033+/-0.000 χ^2/NDF: 124031268492.8/24

Left Out: 0.039+/-0.000 χ^2/NDF:477670162.8/24

Right Out: 0.034+/-0.000 χ^2/NDF: 118865602388.4/30

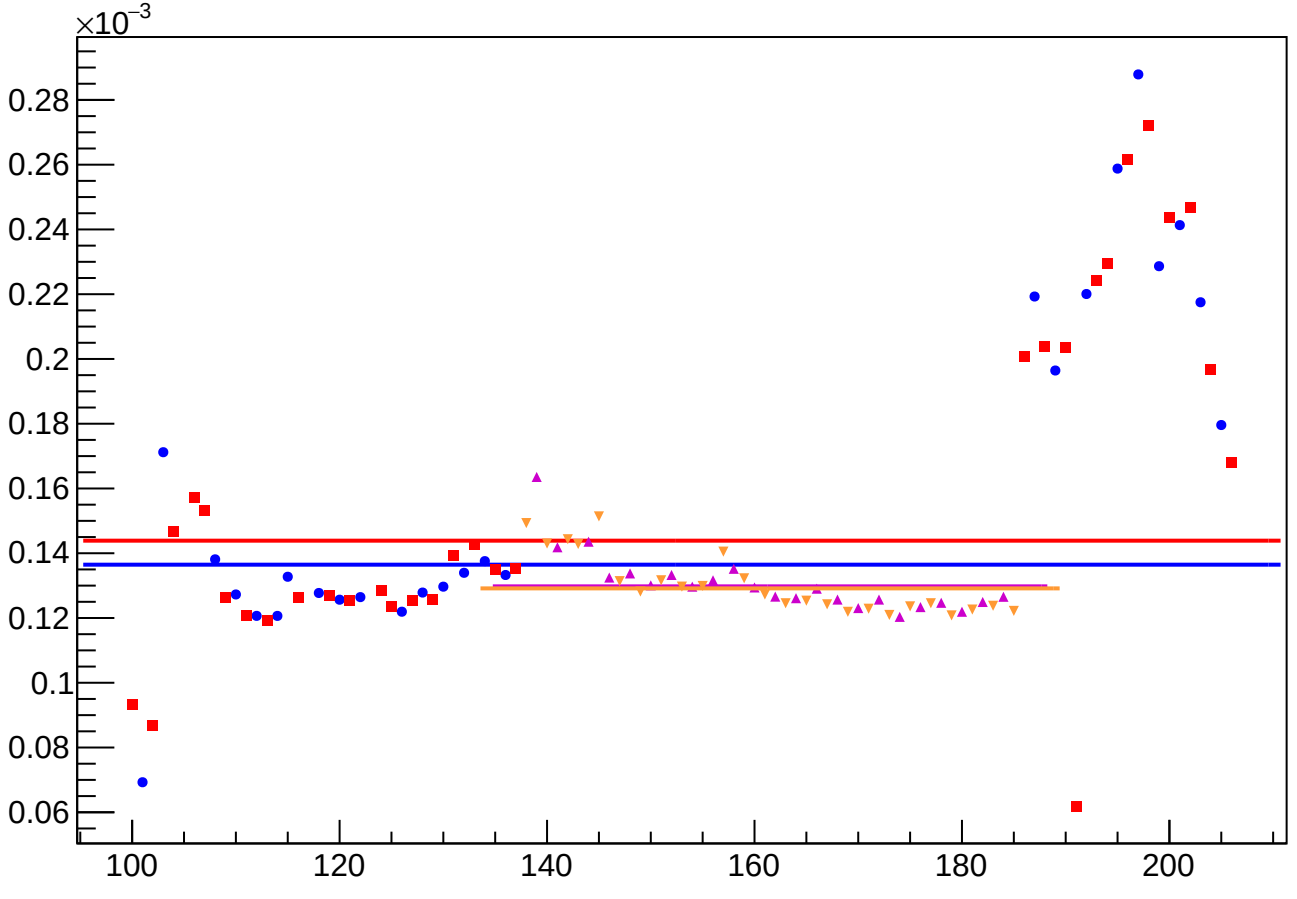
Left In: 0.039+/-0.000 χ^2/NDF:408808029.6/22

+ sign 0.037+/-0.000 χ^2/NDF: 141609656269.3/49

All: 0.037+/-0.000 χ^2/NDF: 270391918012.8

- sign 0.037+/-0.000 χ^2/NDF: 128549652937.0/53

yield_atr1_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 3475527.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:157557.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 3406806.9/30

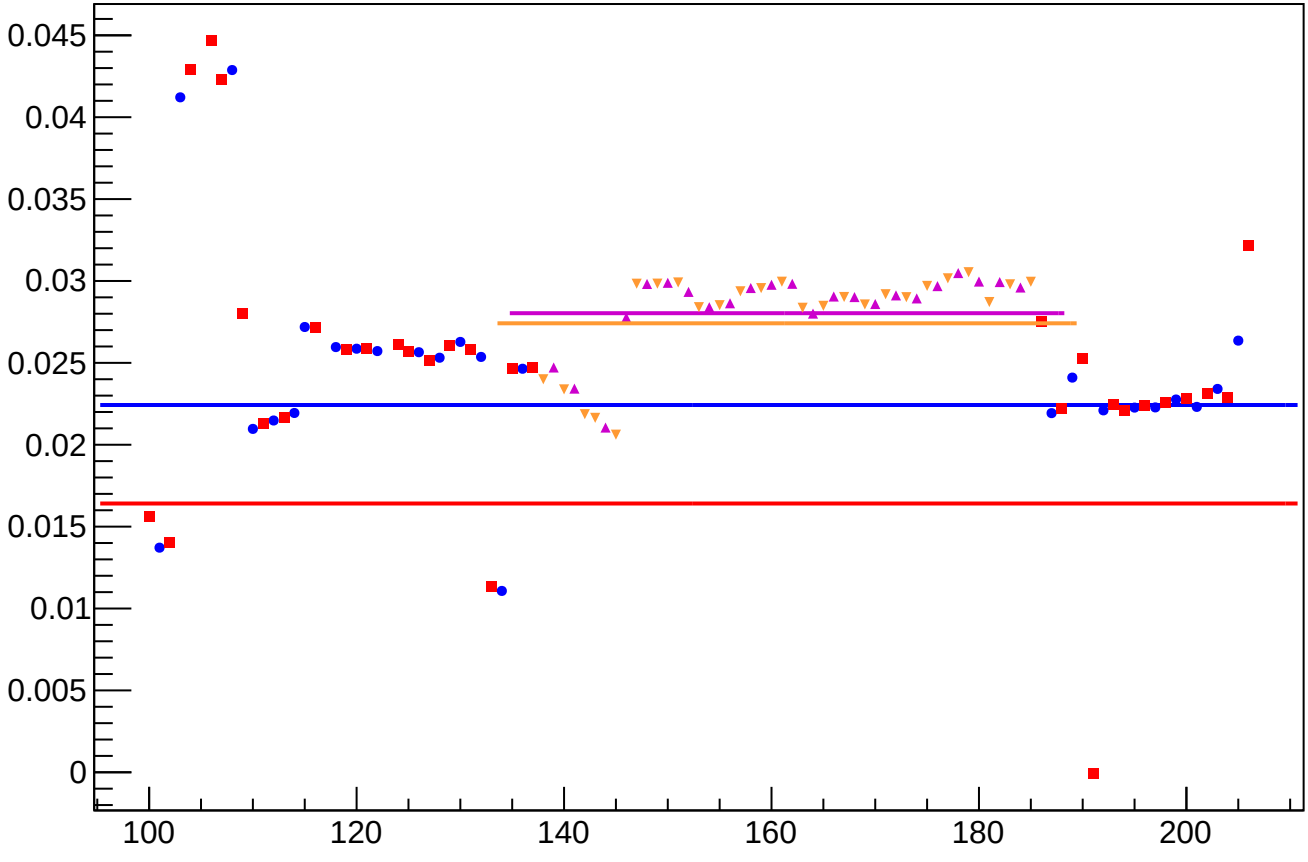
Left In: 0.000+/-0.000 χ^2/NDF:141831.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 3676860.5/49

All: 0.000+/-0.000 χ^2/NDF: 7410914.9/103

- sign 0.000+/-0.000 χ^2/NDF: 3712922.0/53

yield_atr2_mean vs Slug



Right In: 0.022+/-0.000 χ^2/NDF: 5051424400.1/24

Left Out: 0.027+/-0.000 χ^2/NDF:2240091851.9/24

Right Out: 0.016+/-0.000 χ^2/NDF: 25645452163.6/30

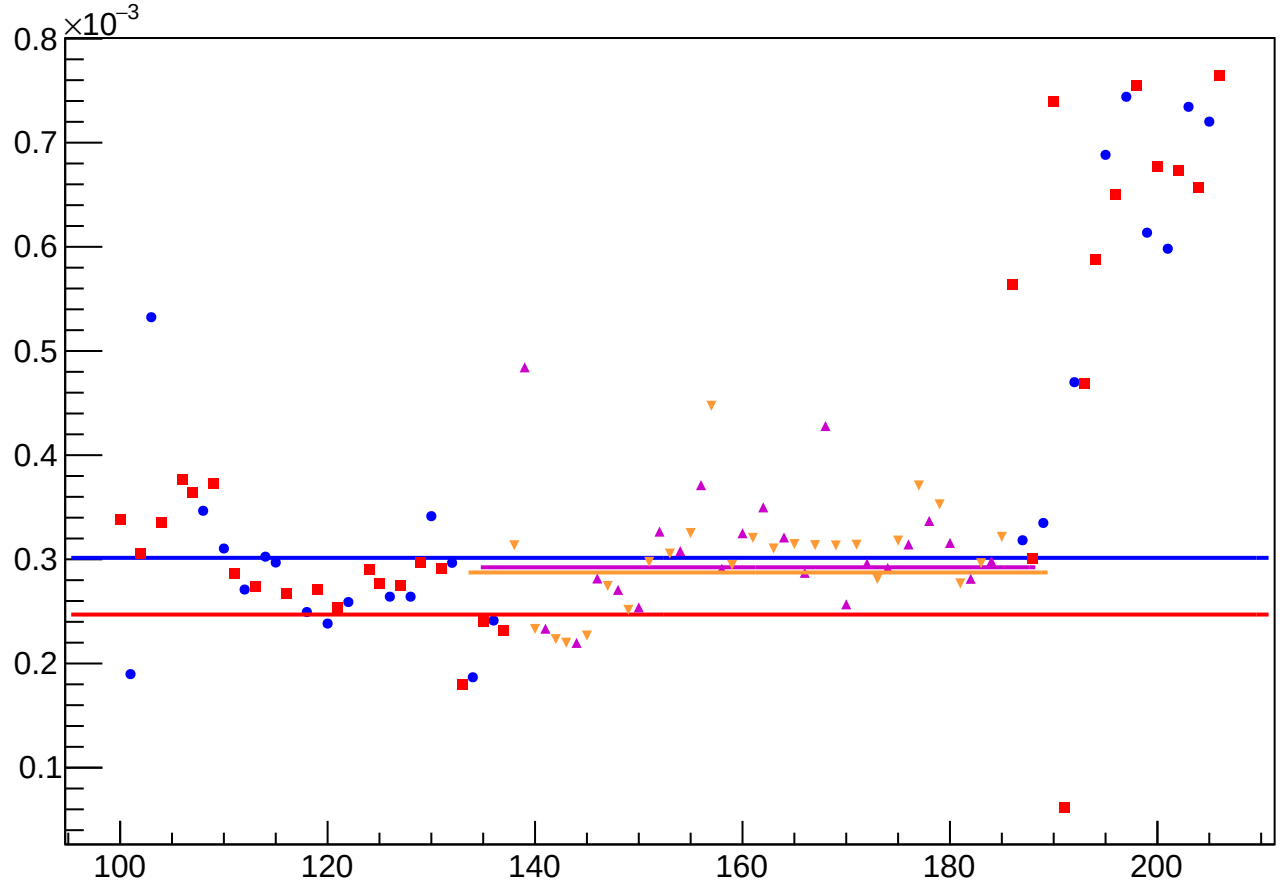
Left In: 0.028+/-0.000 χ^2/NDF:1490587051.3/22

+ sign 0.026+/-0.000 χ^2/NDF: 9167139012.2/49

All: 0.024+/-0.000 χ^2/NDF: 49913178101.5/1

- sign 0.023+/-0.000 χ^2/NDF: 39236159885.2/53

yield_atr2_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4426652.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:821515.6/24

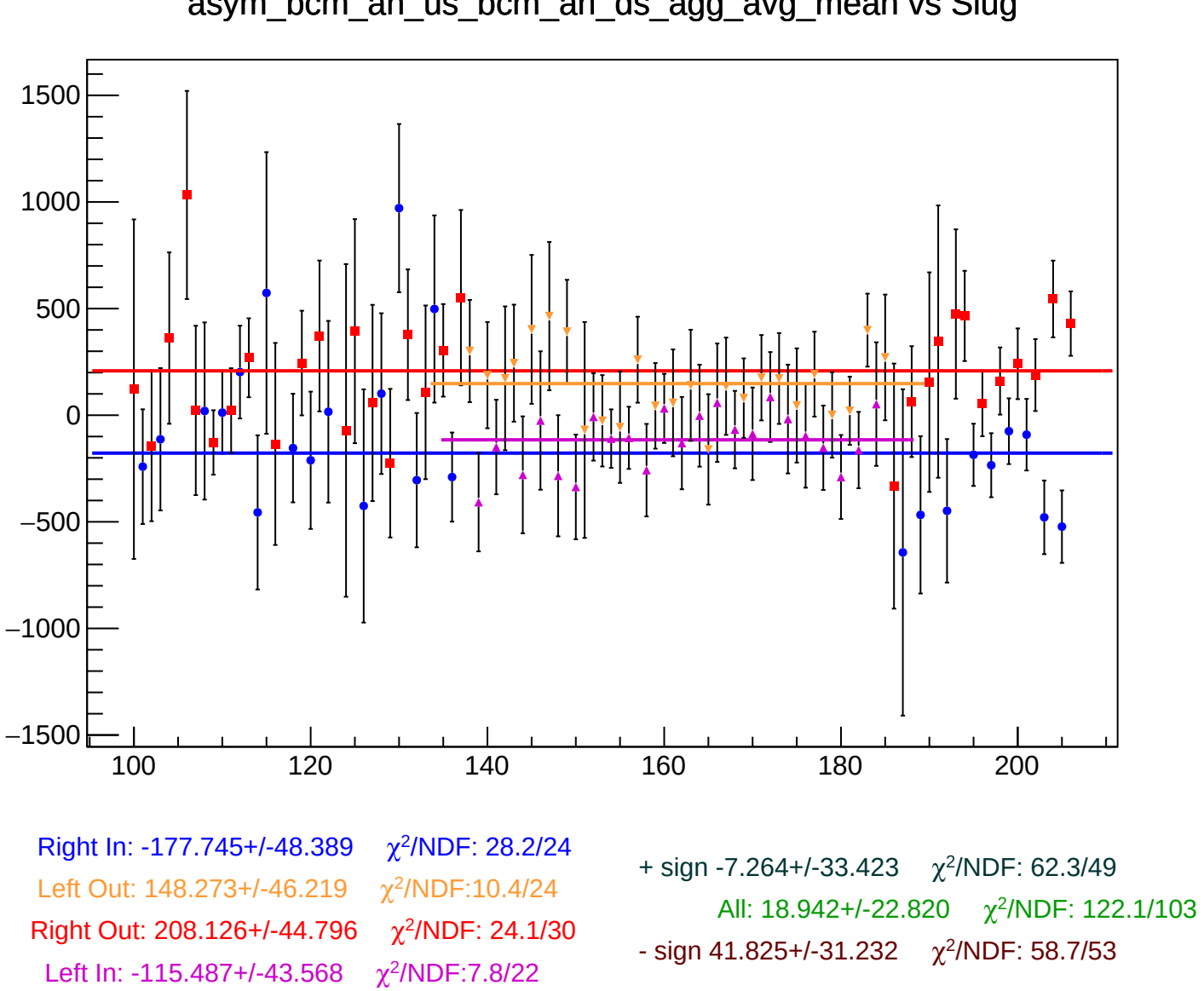
Right Out: 0.000+/-0.000 χ^2/NDF: 9710737.7/30

Left In: 0.000+/-0.000 χ^2/NDF:970483.1/22

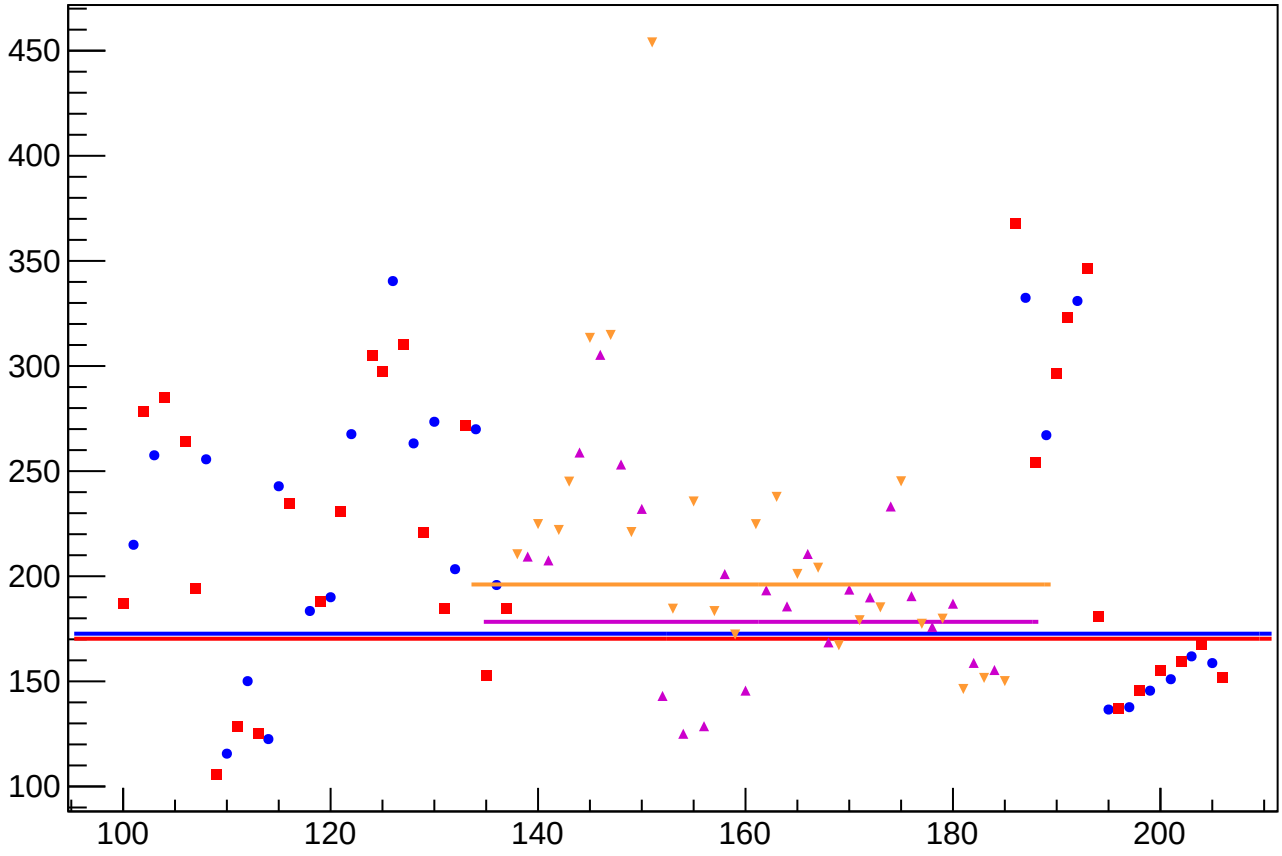
+ sign 0.000+/-0.000 χ^2/NDF: 5277924.7/49

All: 0.000+/-0.000 χ^2/NDF: 16482146.8/103

- sign 0.000+/-0.000 χ^2/NDF: 11050305.3/53


asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -177.745+/-48.389 χ²/NDF: 28.2/24
Left Out: 148.273+/-46.219 χ²/NDF:10.4/24
Right Out: 208.126+/-44.796 χ²/NDF: 24.1/30
Left In: -115.487+/-43.568 χ²/NDF:7.8/22
+ sign -7.264+/-33.423 χ²/NDF: 62.3/49
All: 18.942+/-22.820 χ²/NDF: 122.1/103
- sign 41.825+/-31.232 χ²/NDF: 58.7/53

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 172.673+/-0.034 χ^2/NDF: 2208913.0/24

Left Out: 196.087+/-0.033 χ^2/NDF:1818492.9/24

Right Out: 170.276+/-0.032 χ^2/NDF: 2935421.8/30

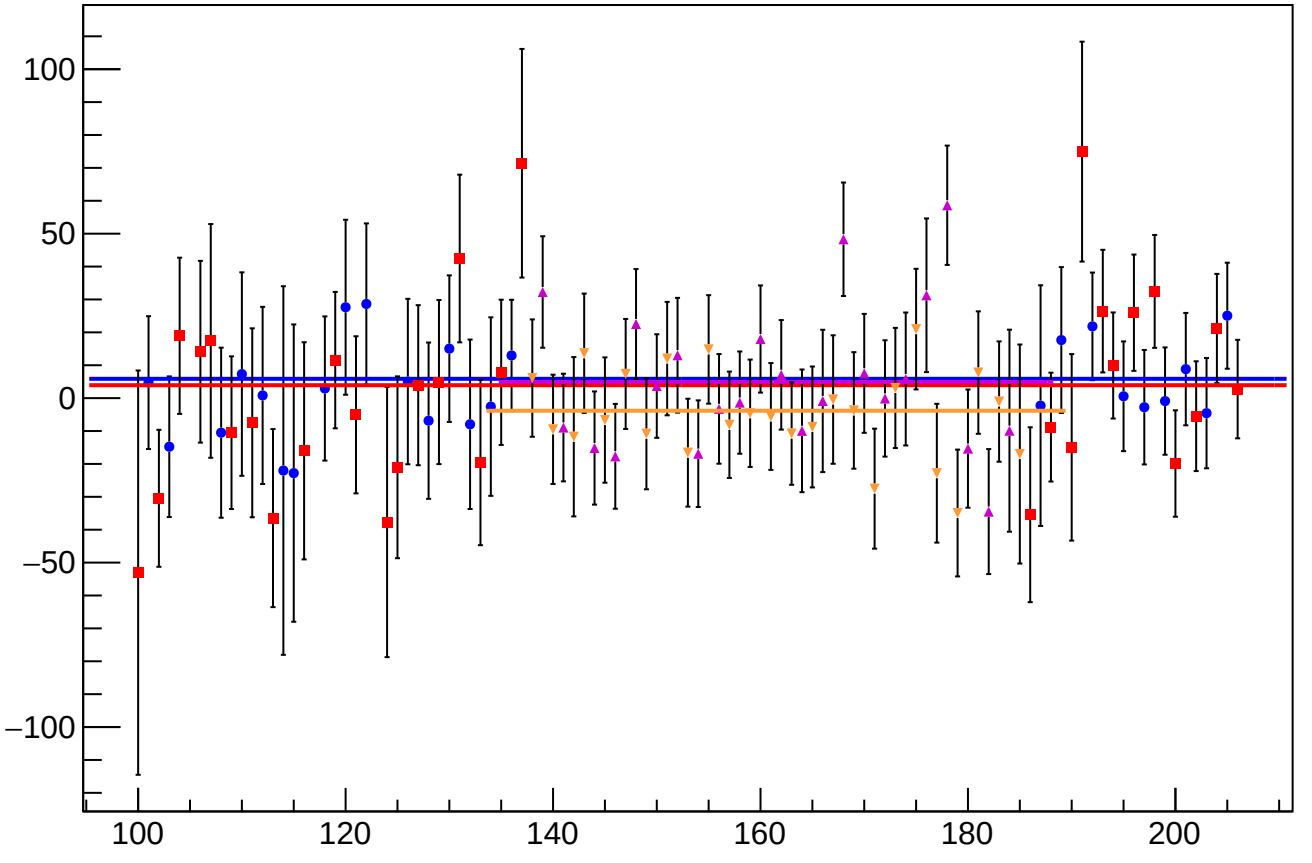
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 184.916+/-0.024 χ^2/NDF: 4272272.3/49

All: 179.307+/-0.016 χ^2/NDF: 9024683.9/103

- sign 174.409+/-0.022 χ^2/NDF: 4646882.9/53

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs Slug



Right In: 5.874+/-4.293 χ^2/NDF: 8.2/24

Left Out: -3.834+/-3.603 χ^2/NDF:12.9/24

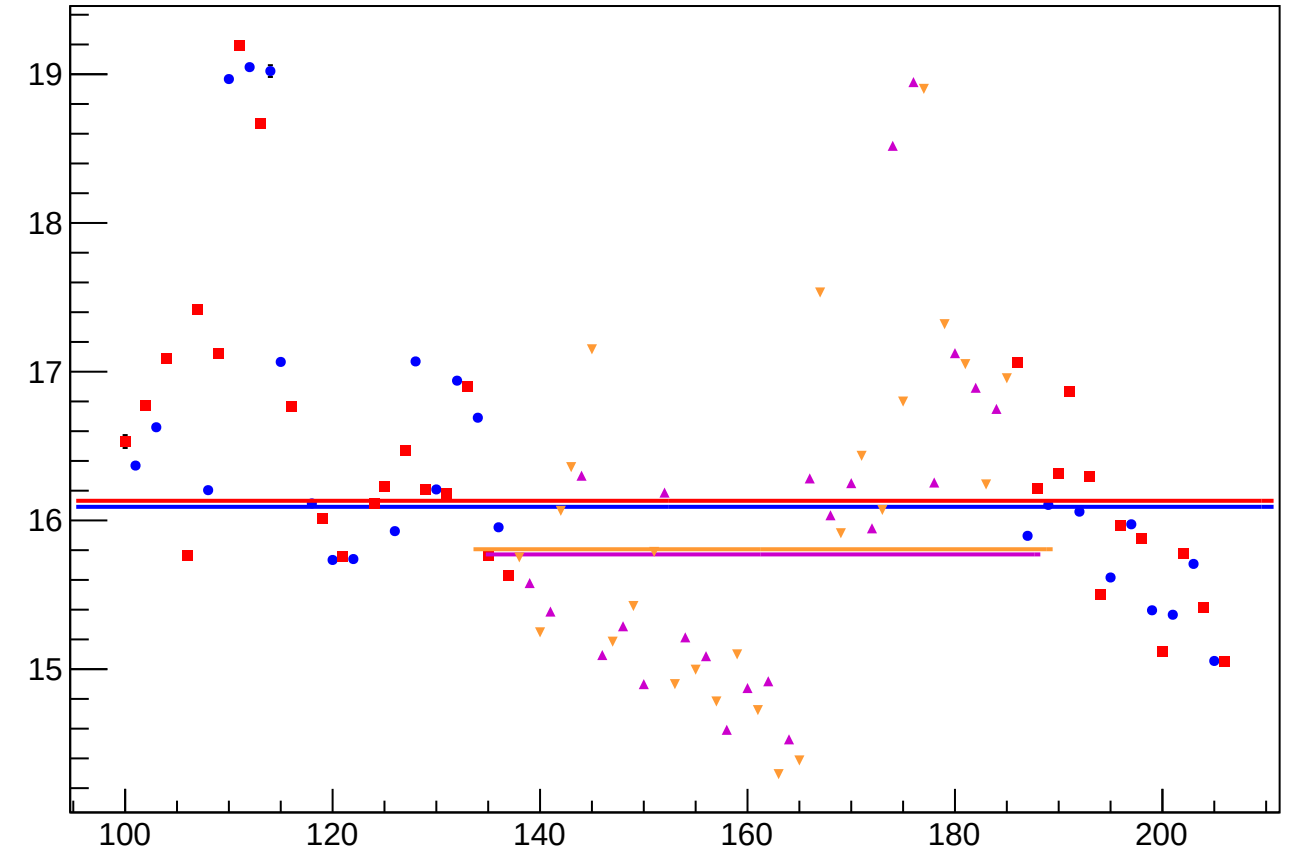
Right Out: 3.933+/-3.980 χ^2/NDF: 33.7/30

Left In: 4.903+/-3.695 χ^2/NDF:33.9/22

+ sign 0.177+/-2.760 χ^2/NDF: 24.1/49

All: 2.356+/-1.933 χ^2/NDF: 92.9/103

- sign 4.454+/-2.708 χ^2/NDF: 67.6/53



Right In: 16.091+/-0.003 χ^2/NDF: 75377.8/24

Left Out: 15.806+/-0.003 χ^2/NDF:172651.3/24

Right Out: 16.132+/-0.003 χ^2/NDF: 86976.7/30

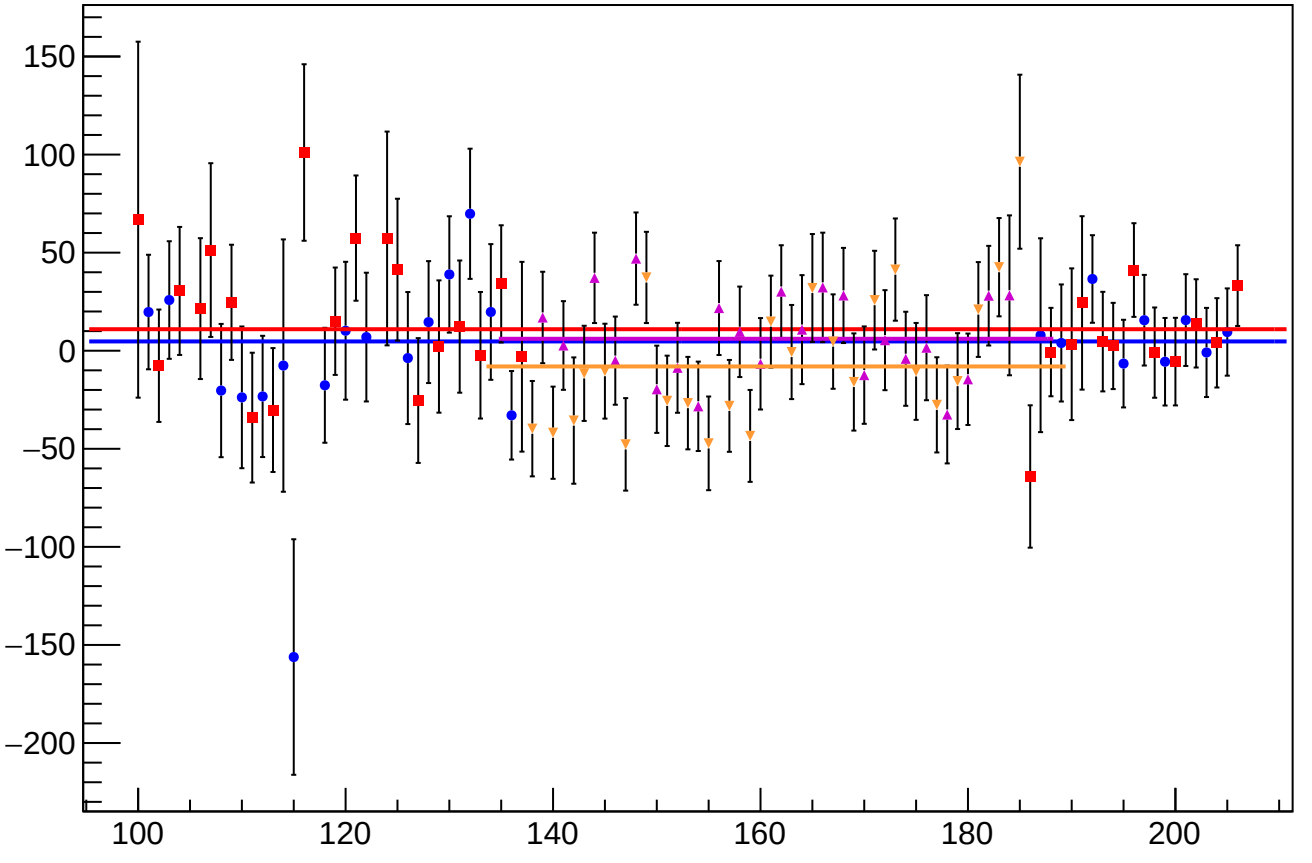
Left In: 15.771+/-0.003 χ^2/NDF:152136.7/22

+ sign 15.924+/-0.002 χ^2/NDF: 253205.0/49

All: 15.931+/-0.001 χ^2/NDF: 501162.0/103

- sign 15.938+/-0.002 χ^2/NDF: 247930.0/53

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs Slug



Right In: 4.737+/-5.740 χ^2/NDF: 21.9/24

Left Out: -8.016+/-4.956 χ^2/NDF:38.9/24

Right Out: 10.967+/-5.326 χ^2/NDF: 24.2/30

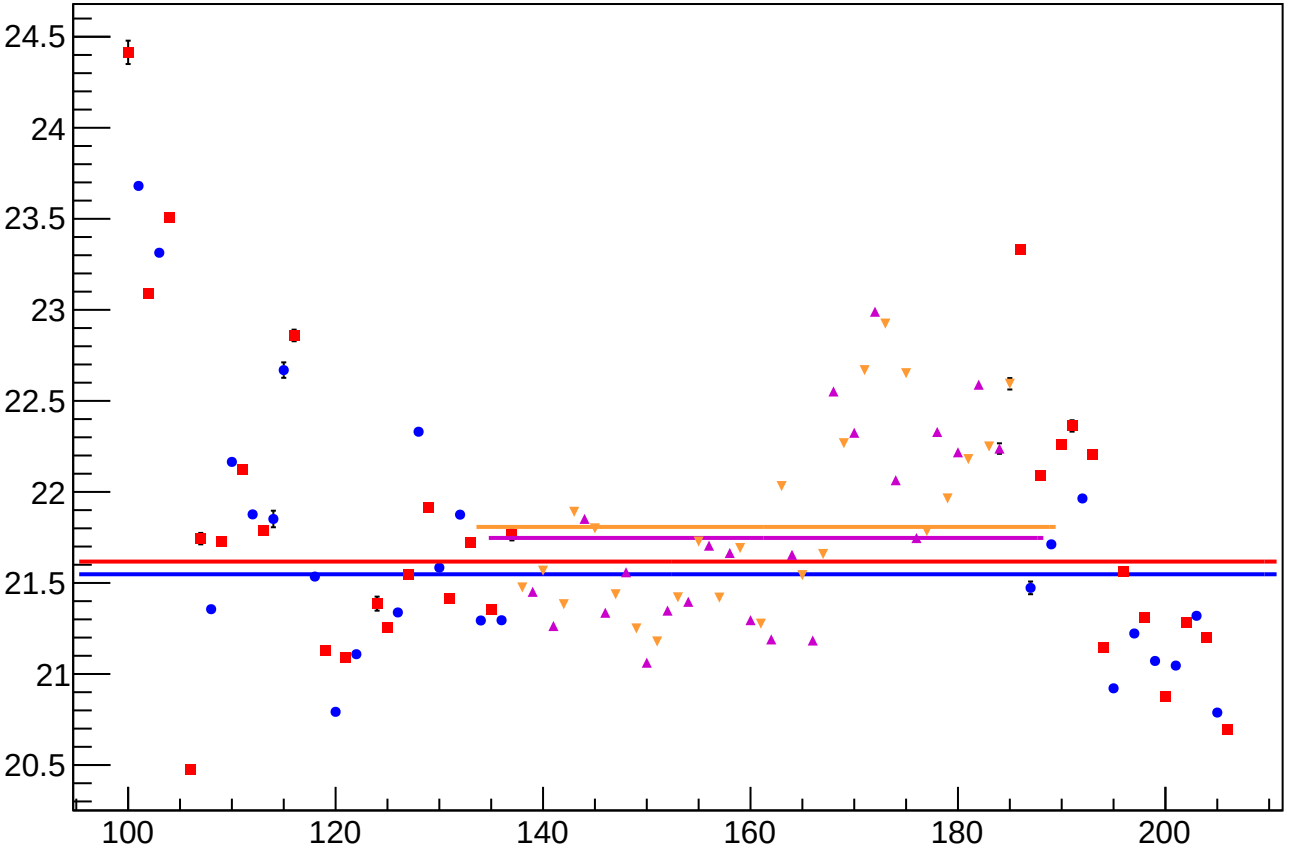
Left In: 6.086+/-5.080 χ^2/NDF:17.9/22

\+ sign -2.569+/-3.751 χ^2/NDF: 63.6/49

All: 3.032+/-2.625 χ^2/NDF: 110.5/103

\- sign 8.411+/-3.676 χ^2/NDF: 42.6/53

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs Slug



Right In: 21.548+/-0.004 χ^2/NDF: 29506.7/24

Left Out: 21.808+/-0.004 χ^2/NDF:17561.0/24

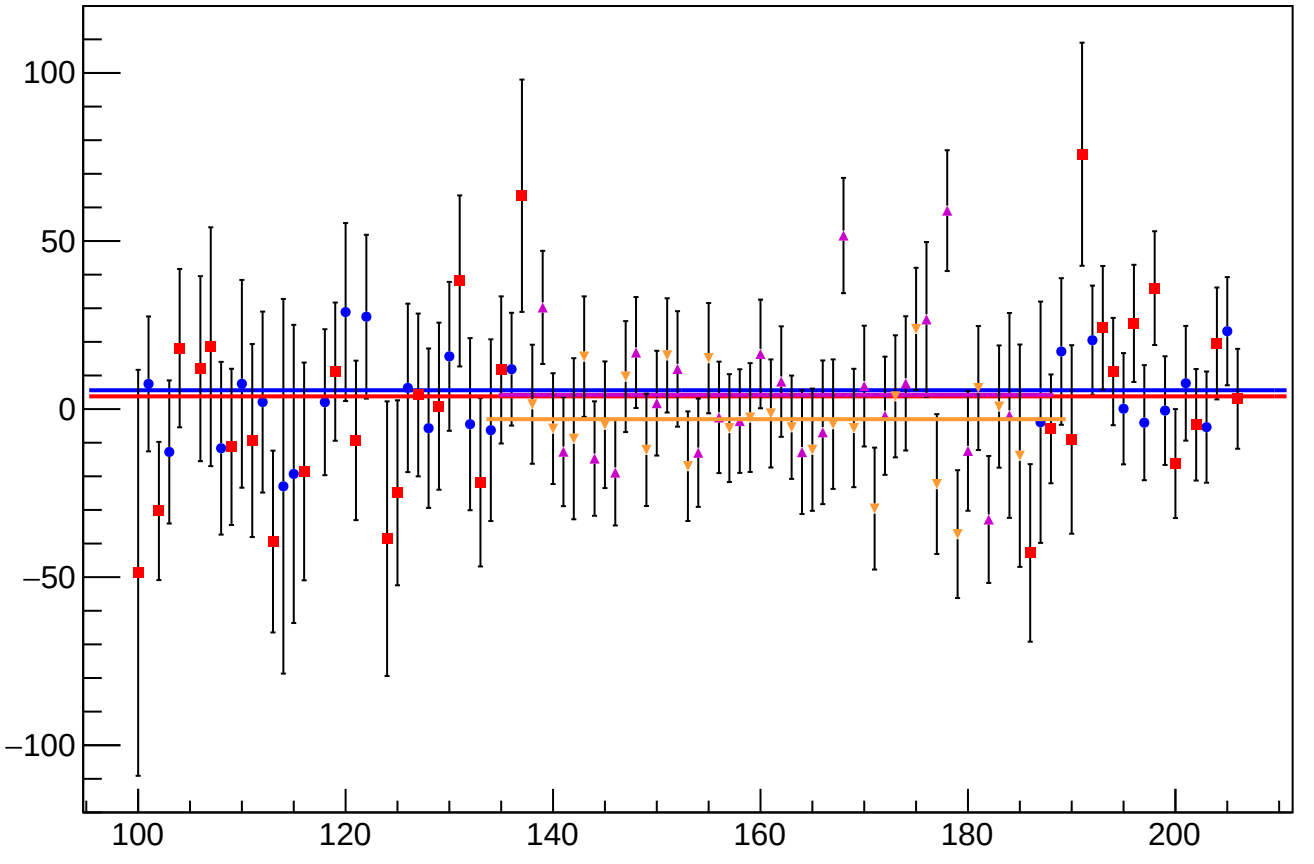
Right Out: 21.617+/-0.004 χ^2/NDF: 36036.0/30

Left In: 21.747+/-0.004 χ^2/NDF:20560.9/22

+ sign 21.697+/-0.003 χ^2/NDF: 49418.9/49

All: 21.691+/-0.002 χ^2/NDF: 106647.6/103

- sign 21.685+/-0.003 χ^2/NDF: 57219.5/53



Right In: 5.608+/-4.262 χ^2/NDF: 7.7/24

Left Out: -3.002+/-3.569 χ^2/NDF:14.6/24

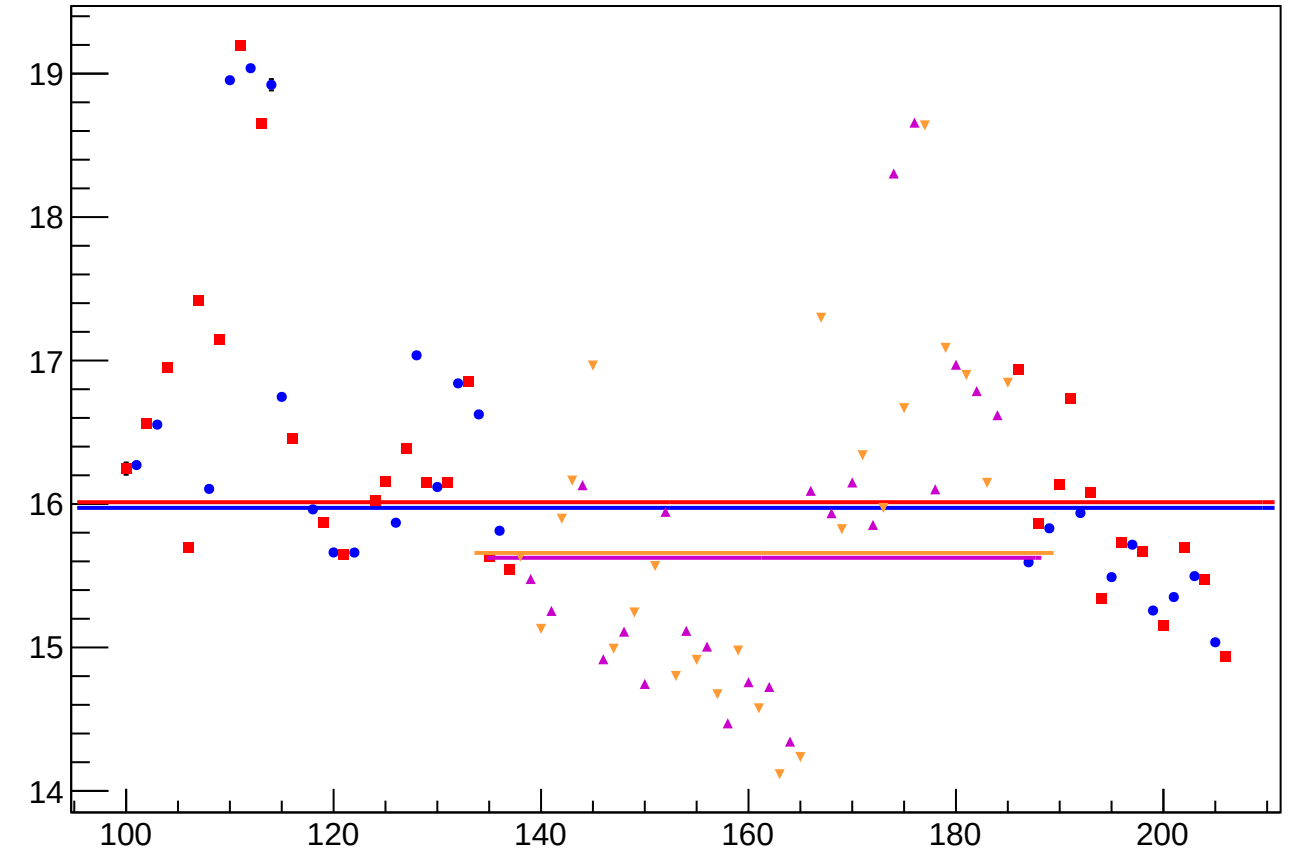
Right Out: 3.790+/-3.951 χ^2/NDF: 34.1/30

Left In: 4.249+/-3.661 χ^2/NDF:33.8/22

+ sign 0.546+/-2.736 χ^2/NDF: 24.8/49

All: 2.324+/-1.917 χ^2/NDF: 93.5/103

- sign 4.037+/-2.685 χ^2/NDF: 67.9/53



Right In: 15.973+/-0.003 χ^2/NDF: 78584.9/24

Left Out: 15.659+/-0.003 χ^2/NDF:169838.6/24

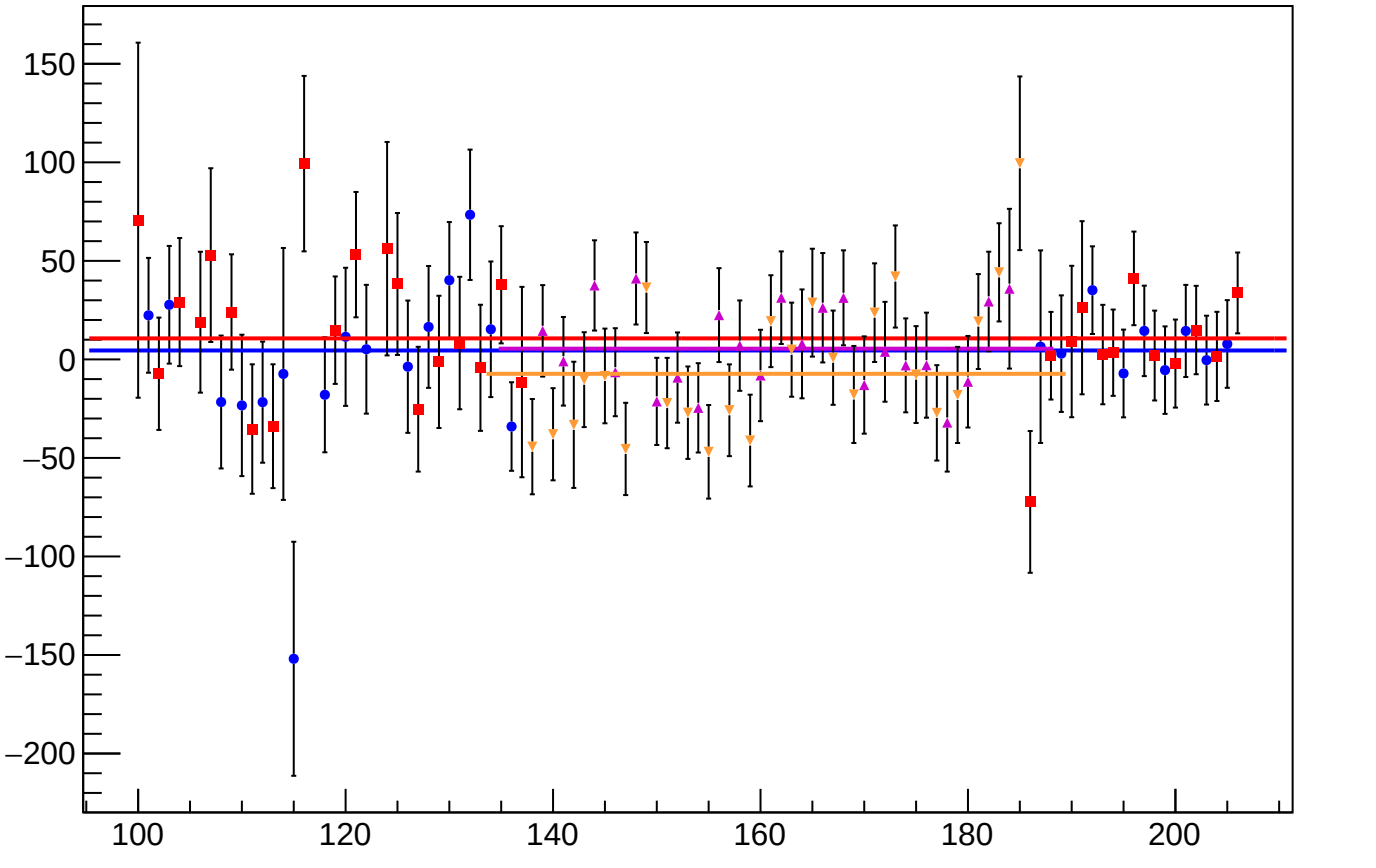
Right Out: 16.012+/-0.003 χ^2/NDF: 88631.3/30

Left In: 15.625+/-0.003 χ^2/NDF:150431.7/22

\+ sign 15.788+/-0.002 χ^2/NDF: 254808.7/49

All: 15.796+/-0.001 χ^2/NDF: 504254.7/103

\- sign 15.804+/-0.002 χ^2/NDF: 249412.9/53



Right In: 4.527+/-5.713 χ^2/NDF: 22.4/24

Left Out: -7.318+/-4.929 χ^2/NDF:38.6/24

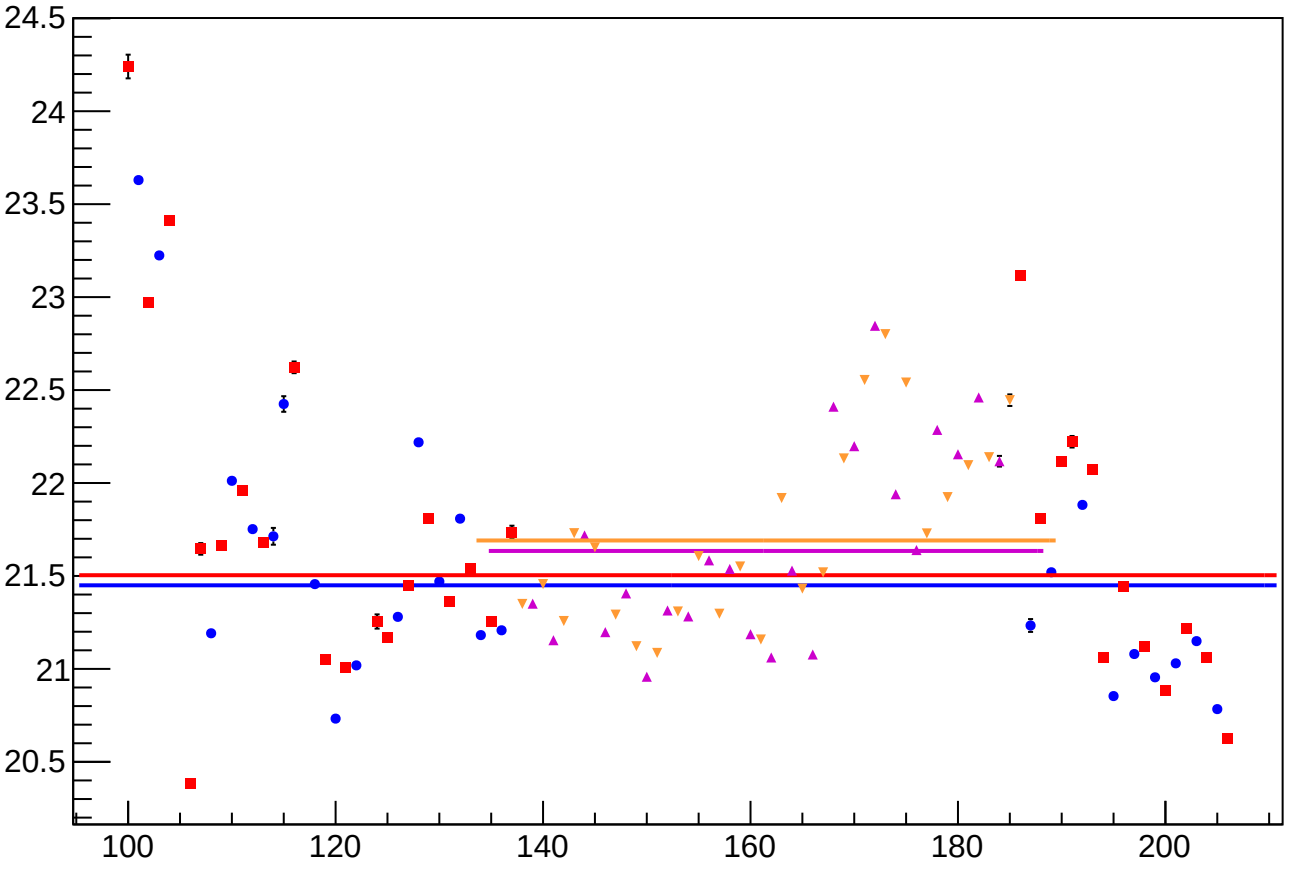
Right Out: 10.665+/-5.298 χ^2/NDF: 25.5/30

Left In: 5.435+/-5.054 χ^2/NDF:17.3/22

+ sign -2.264+/-3.732 χ^2/NDF: 63.5/49

All: 2.935+/-2.612 χ^2/NDF: 110.5/103

- sign 7.926+/-3.657 χ^2/NDF: 43.3/53



Right In: 21.450+/-0.004 χ^2/NDF: 29239.3/24

Left Out: 21.691+/-0.003 χ^2/NDF:17934.9/24

Right Out: 21.504+/-0.004 χ^2/NDF: 33574.4/30

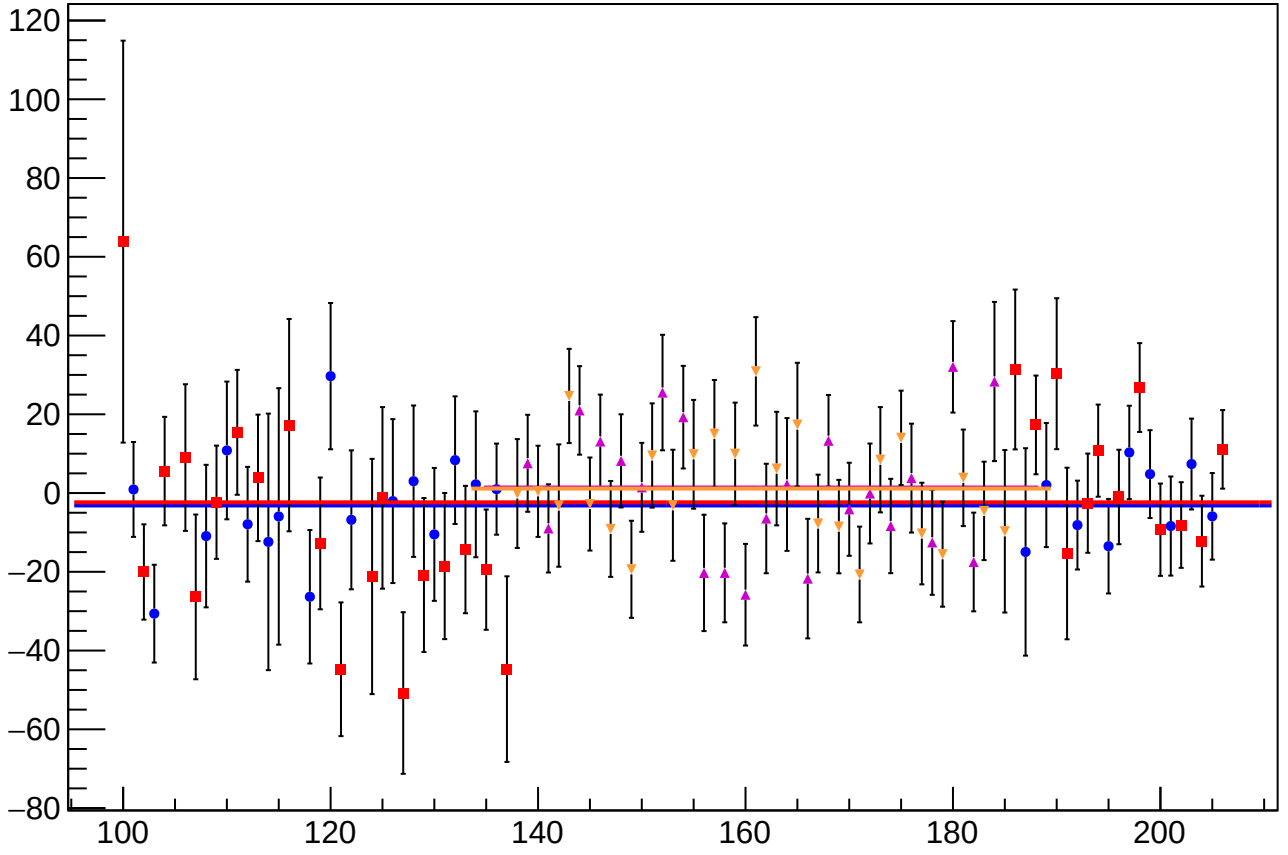
Left In: 21.635+/-0.004 χ^2/NDF:20561.5/22

+ sign 21.588+/-0.003 χ^2/NDF: 49218.1/49

All: 21.580+/-0.002 χ^2/NDF: 104007.5/103

- sign 21.572+/-0.003 χ^2/NDF: 54771.5/53

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs Slug



Right In: -3.150+/-2.935 χ^2/NDF: 16.2/24

Left Out: 1.138+/-2.620 χ^2/NDF:24.5/24

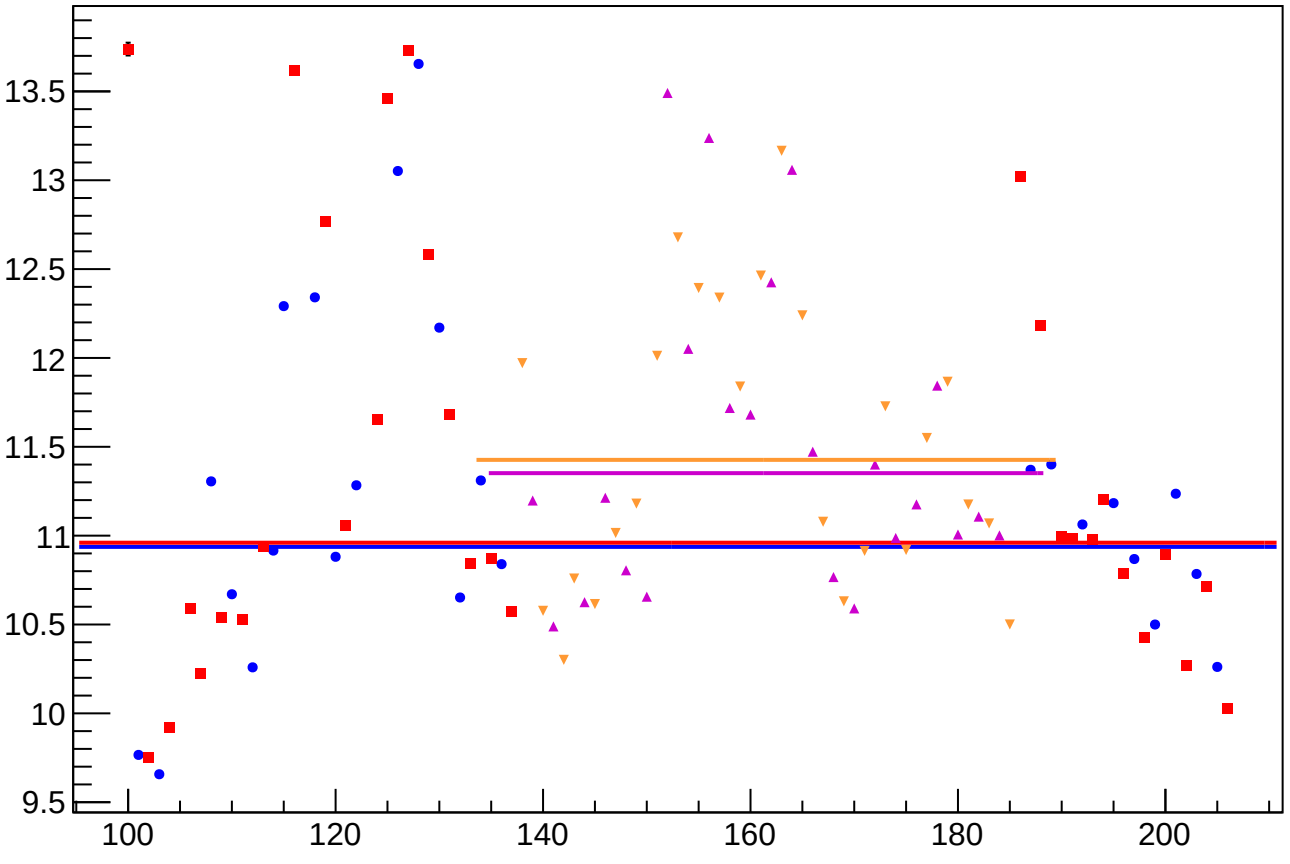
Right Out: -2.354+/-2.723 χ^2/NDF: 46.7/30

Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -0.764+/-1.954 χ^2/NDF: 41.9/49

All: -0.598+/-1.365 χ^2/NDF: 125.9/103

- sign -0.440+/-1.908 χ^2/NDF: 84.0/53



Right In: 10.937+/-0.002 χ^2/NDF: 152137.3/24

Left Out: 11.426+/-0.002 χ^2/NDF:156973.4/24

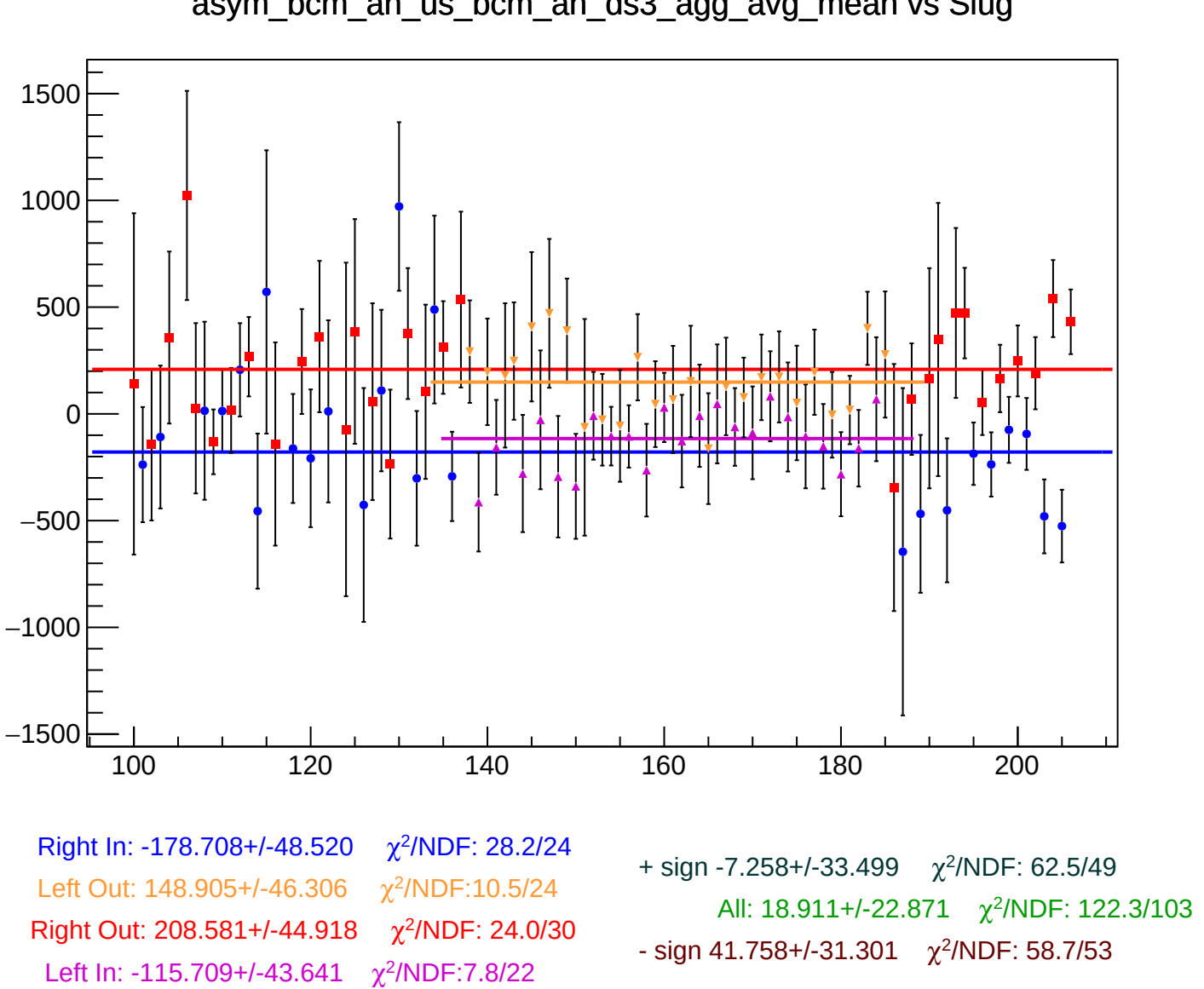
Right Out: 10.960+/-0.002 χ^2/NDF: 237096.7/30

Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

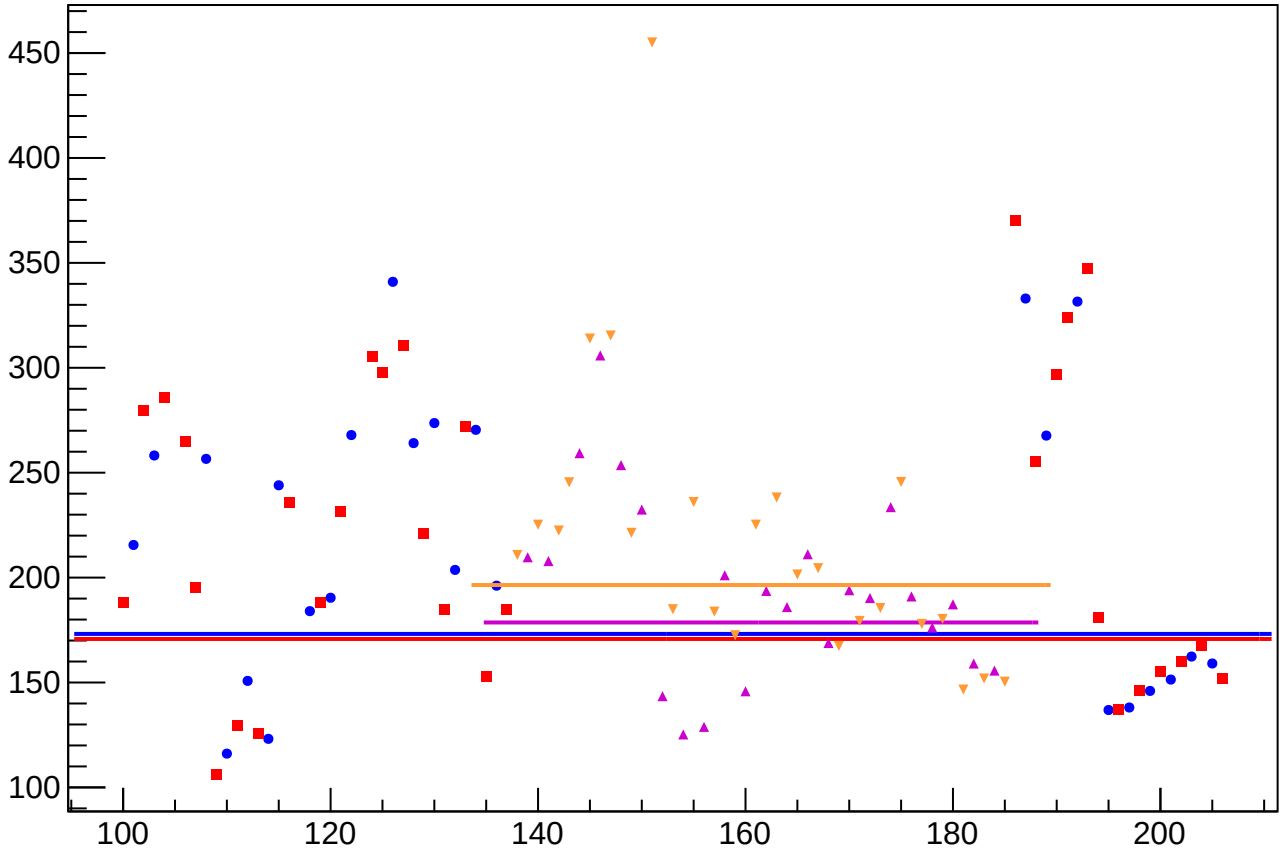
+ sign 11.209+/-0.001 χ^2/NDF: 340096.0/49

All: 11.184+/-0.001 χ^2/NDF: 769462.6/103

- sign 11.160+/-0.001 χ^2/NDF: 428702.3/53


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -178.708+/-48.520 χ²/NDF: 28.2/24
Left Out: 148.905+/-46.306 χ²/NDF:10.5/24
Right Out: 208.581+/-44.918 χ²/NDF: 24.0/30
Left In: -115.709+/-43.641 χ²/NDF:7.8/22
+ sign -7.258+/-33.499 χ²/NDF: 62.5/49
All: 18.911+/-22.871 χ²/NDF: 122.3/103
- sign 41.758+/-31.301 χ²/NDF: 58.7/53

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs Slug



Right In: 173.159+/-0.034 χ^2/NDF: 2203393.1/24

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

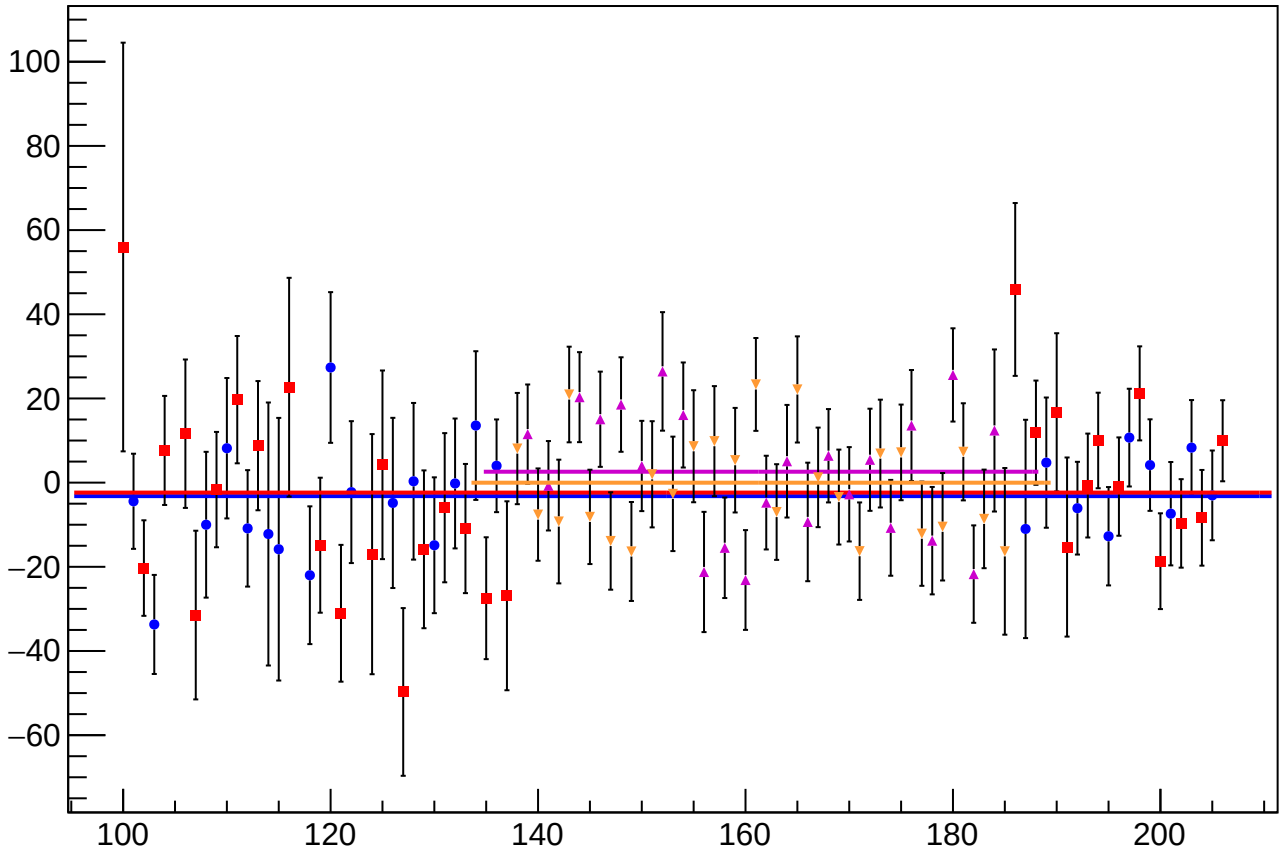
Right Out: 170.751+/-0.032 χ^2/NDF: 2932548.9/30

Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 185.350+/-0.024 χ^2/NDF: 4263402.5/49

All: 179.716+/-0.016 χ^2/NDF: 9012324.3/103

- sign 174.796+/-0.022 χ^2/NDF: 4642931.0/53



Right In: -3.208+/-2.831 χ^2/NDF: 18.2/24

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -2.365+/-2.630 χ^2/NDF: 44.0/30

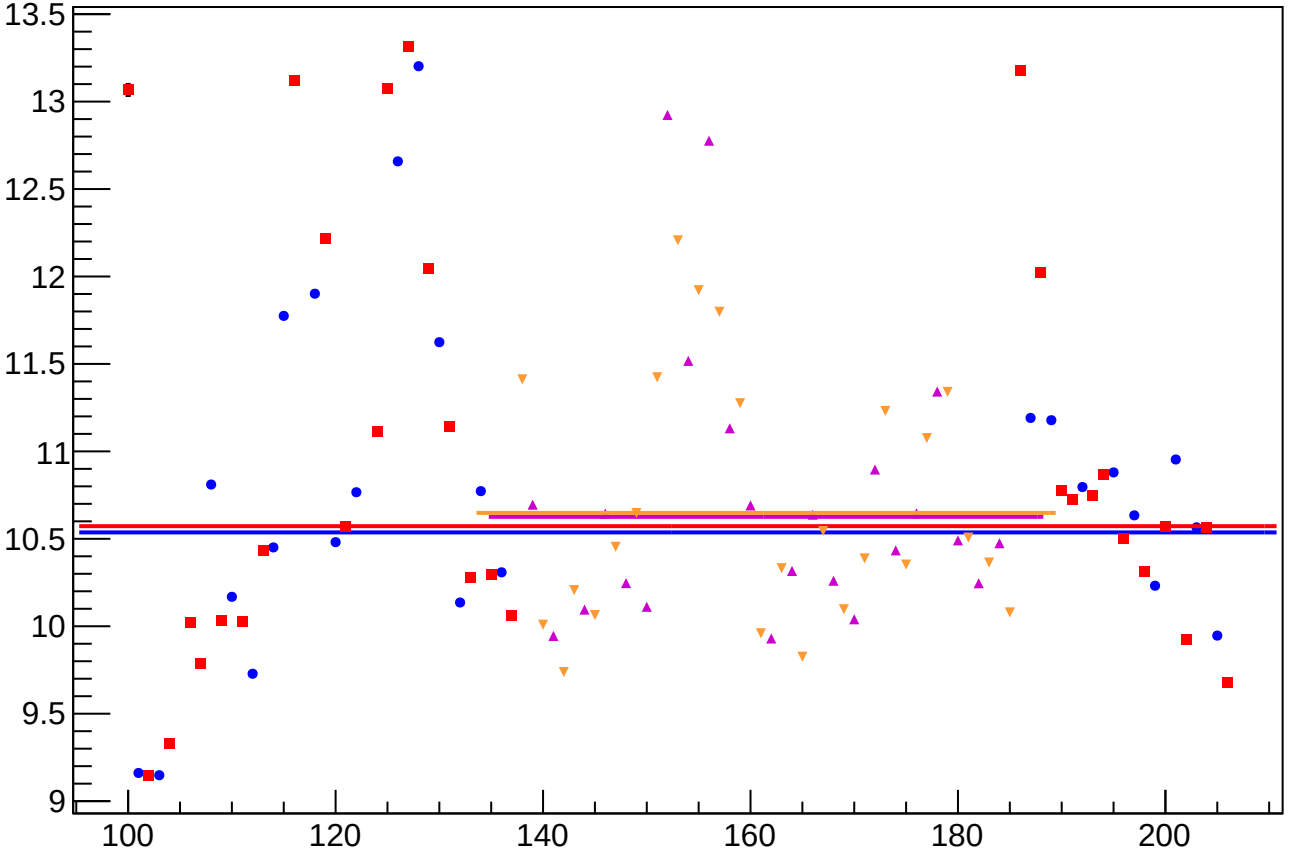
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.381+/-1.850 χ^2/NDF: 42.7/49

All: -0.558+/-1.295 χ^2/NDF: 123.7/103

- sign 0.232+/-1.814 χ^2/NDF: 80.7/53

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs Slug



Right In: 10.537+/-0.002 χ^2/NDF: 175629.8/24

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

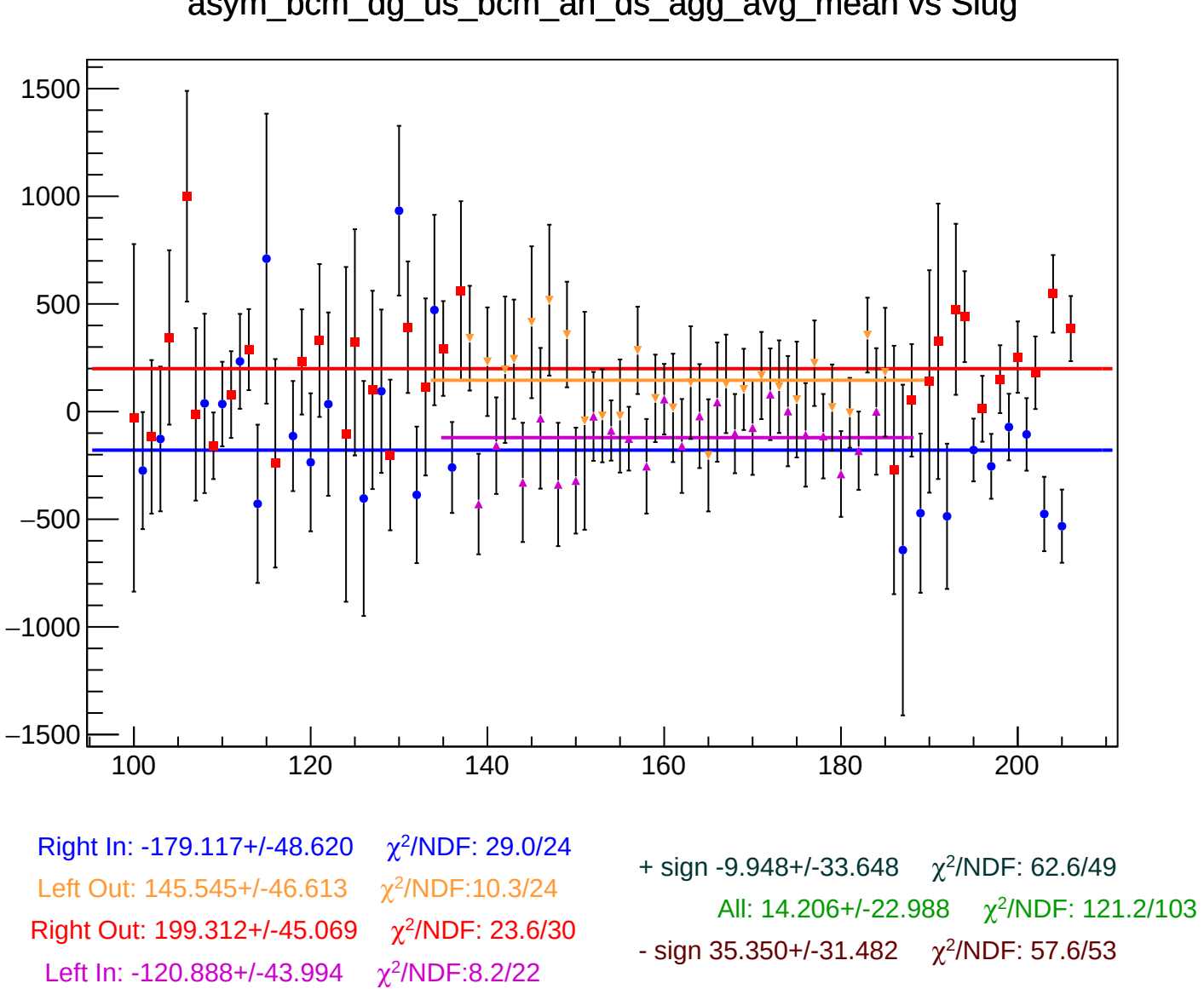
Right Out: 10.572+/-0.002 χ^2/NDF: 274738.9/30

Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

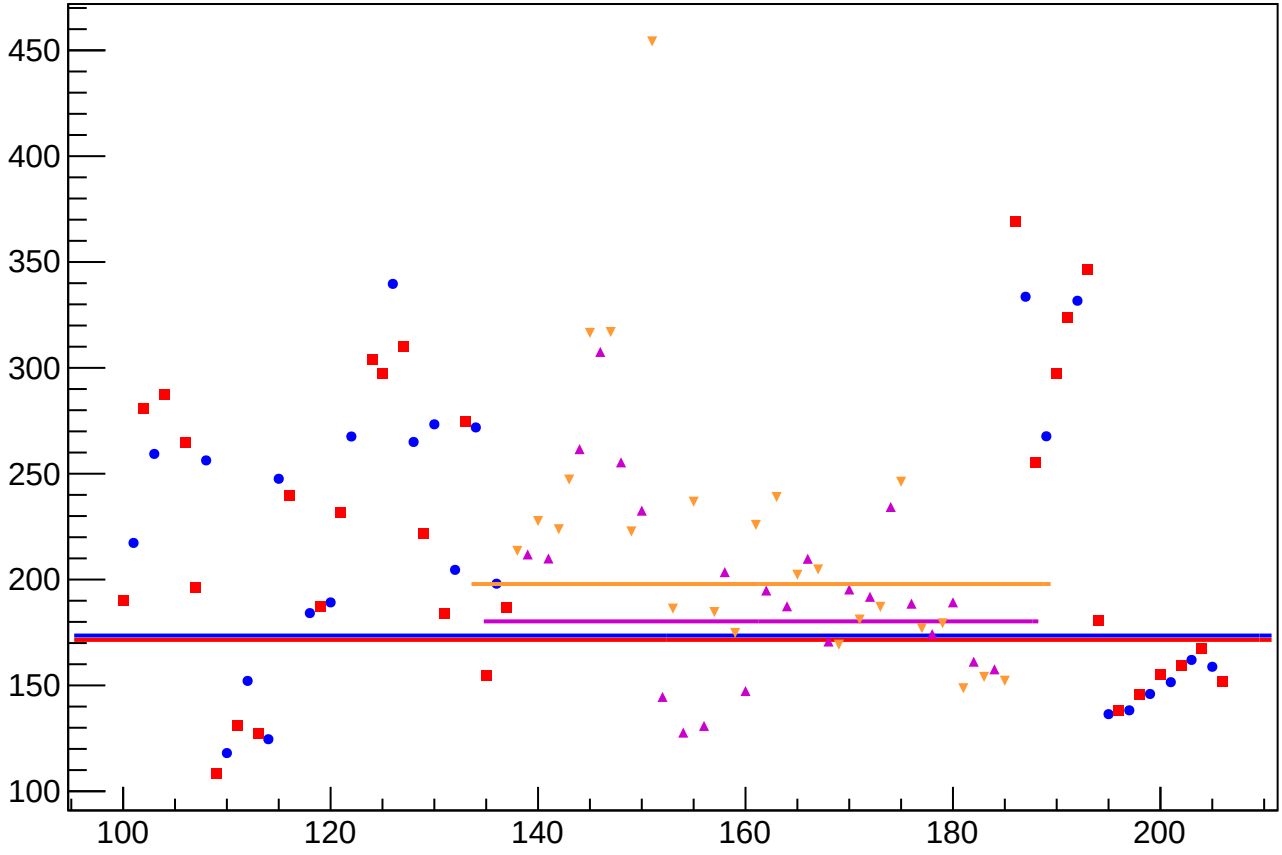
+ sign 10.601+/-0.001 χ^2/NDF: 320947.6/49

All: 10.600+/-0.001 χ^2/NDF: 755661.3/103

- sign 10.600+/-0.001 χ^2/NDF: 434713.6/53


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -179.117+/-48.620 χ²/NDF: 29.0/24
Left Out: 145.545+/-46.613 χ²/NDF:10.3/24
Right Out: 199.312+/-45.069 χ²/NDF: 23.6/30
Left In: -120.888+/-43.994 χ²/NDF:8.2/22
+ sign -9.948+/-33.648 χ²/NDF: 62.6/49
All: 14.206+/-22.988 χ²/NDF: 121.2/103
- sign 35.350+/-31.482 χ²/NDF: 57.6/53

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.551+/-0.034 χ^2/NDF: 2197484.5/24

Left Out: 197.890+/-0.033 χ^2/NDF:1788849.3/24

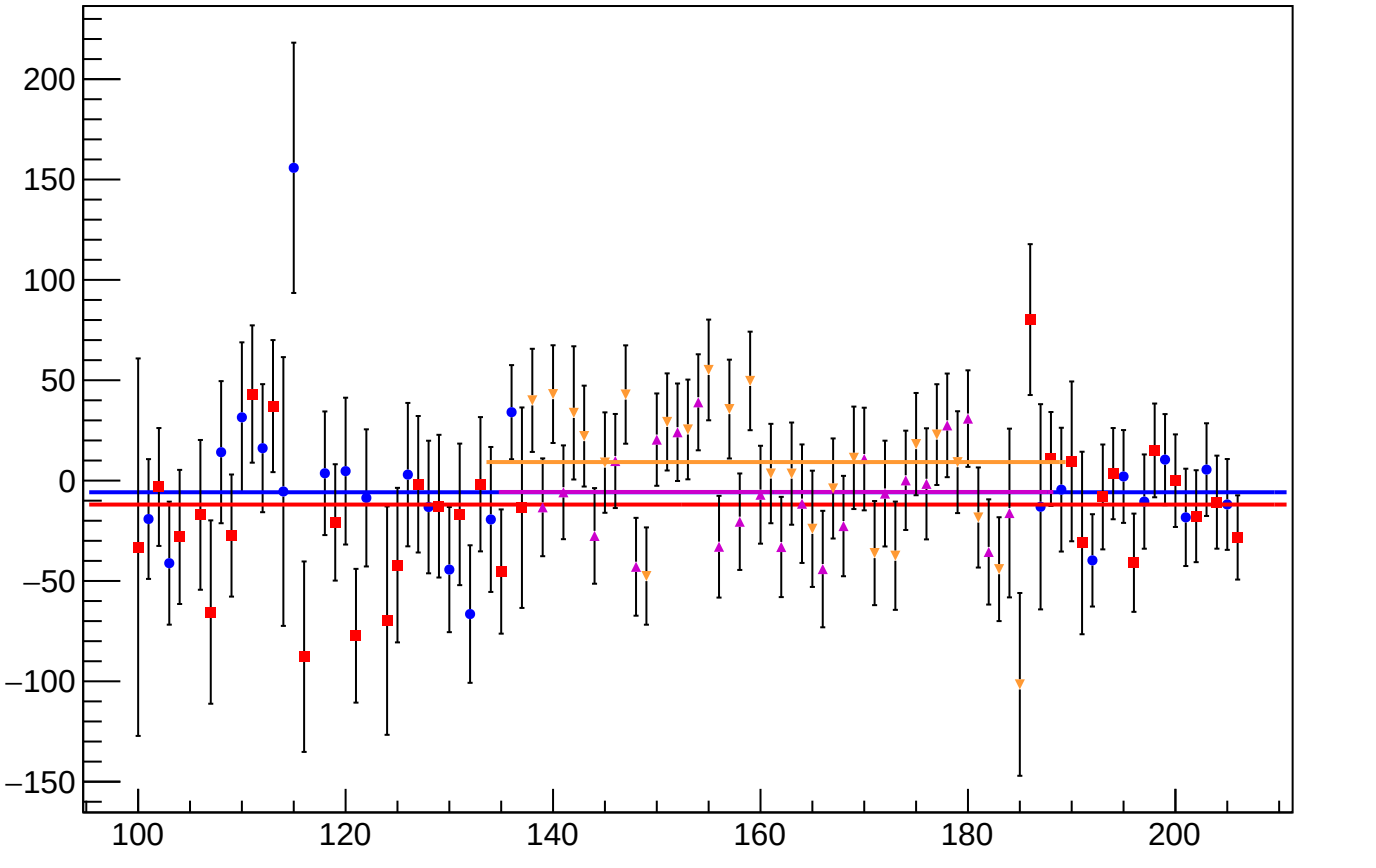
Right Out: 171.504+/-0.032 χ^2/NDF: 2879899.3/30

Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 186.233+/-0.024 χ^2/NDF: 4247489.0/49

All: 180.767+/-0.016 χ^2/NDF: 8892722.8/103

- sign 175.981+/-0.022 χ^2/NDF: 4546228.4/53



Right In: -5.806+/-5.927 χ^2/NDF: 21.5/24

Left Out: 9.234+/-5.162 χ^2/NDF:39.4/24

Right Out: -11.937+/-5.503 χ^2/NDF: 27.9/30

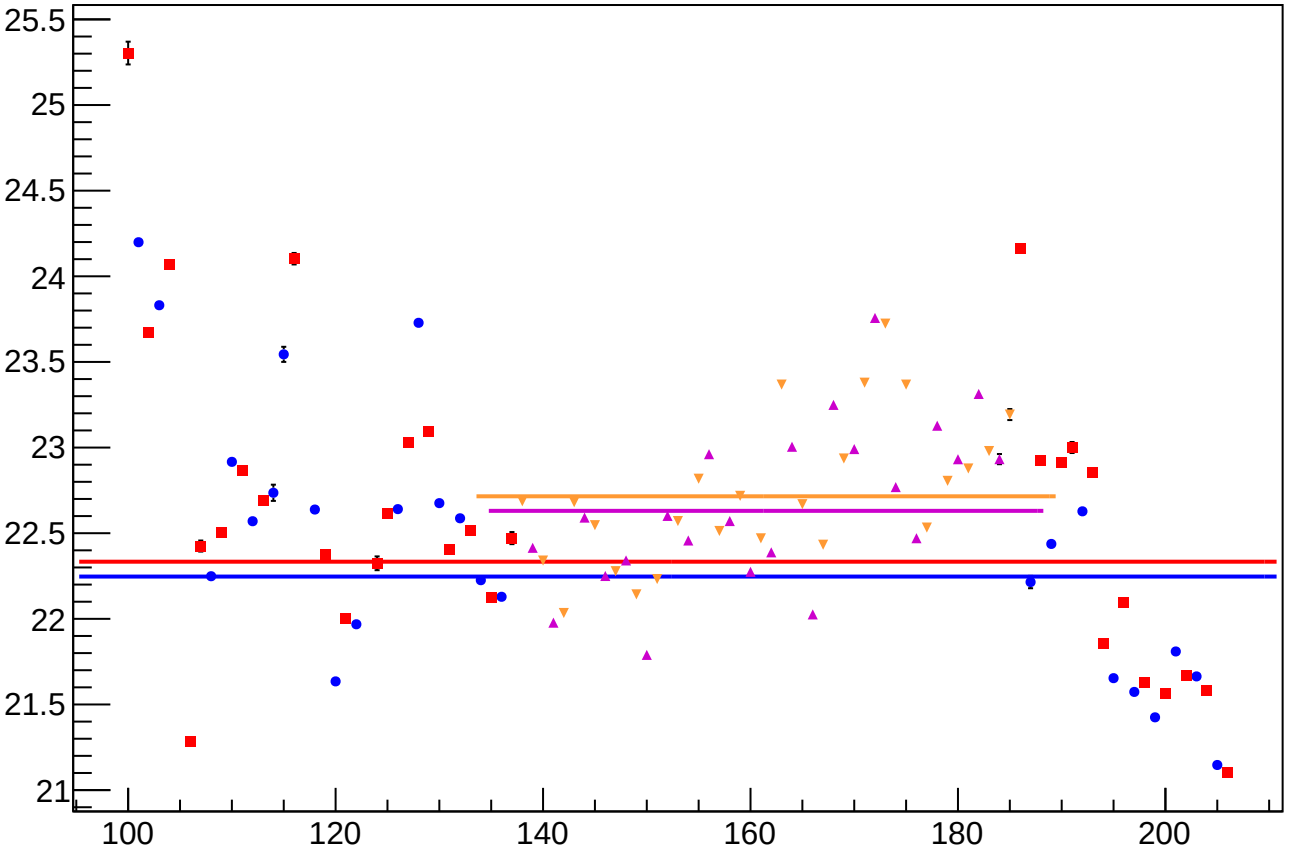
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 2.746+/-3.893 χ^2/NDF: 64.6/49

All: -3.084+/-2.724 χ^2/NDF: 118.4/103

- sign -8.676+/-3.812 χ^2/NDF: 49.4/53

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs Slug



Right In: 22.247+/-0.004 χ^2/NDF: 34498.6/24

Left Out: 22.715+/-0.004 χ^2/NDF:12181.4/24

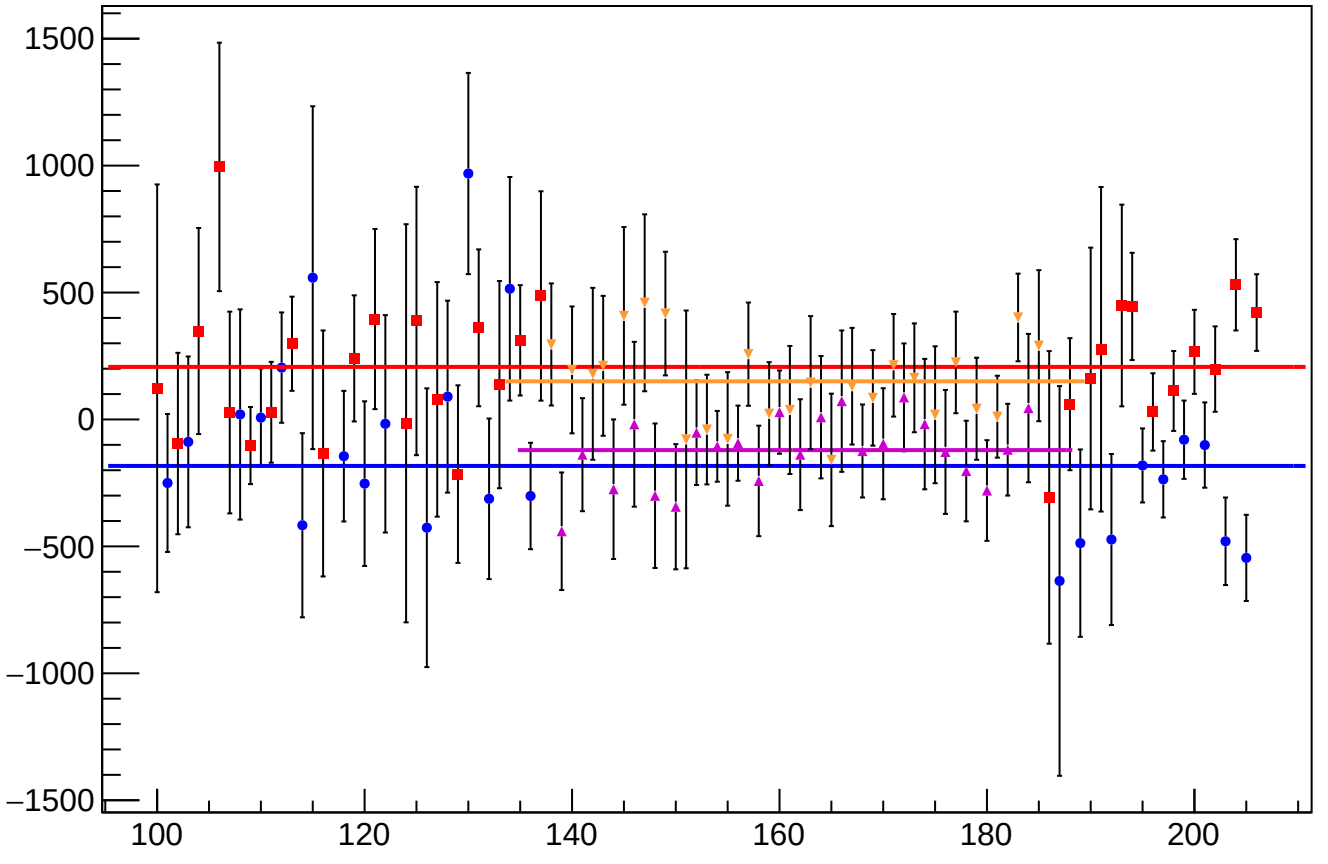
Right Out: 22.334+/-0.004 χ^2/NDF: 42334.6/30

Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.513+/-0.003 χ^2/NDF: 53788.3/49

All: 22.500+/-0.002 χ^2/NDF: 114584.4/103

- sign 22.488+/-0.003 χ^2/NDF: 60753.1/53



Right In: -183.062+/-48.478 χ^2/NDF: 28.6/24

Left Out: 150.218+/-46.535 χ^2/NDF:11.0/24

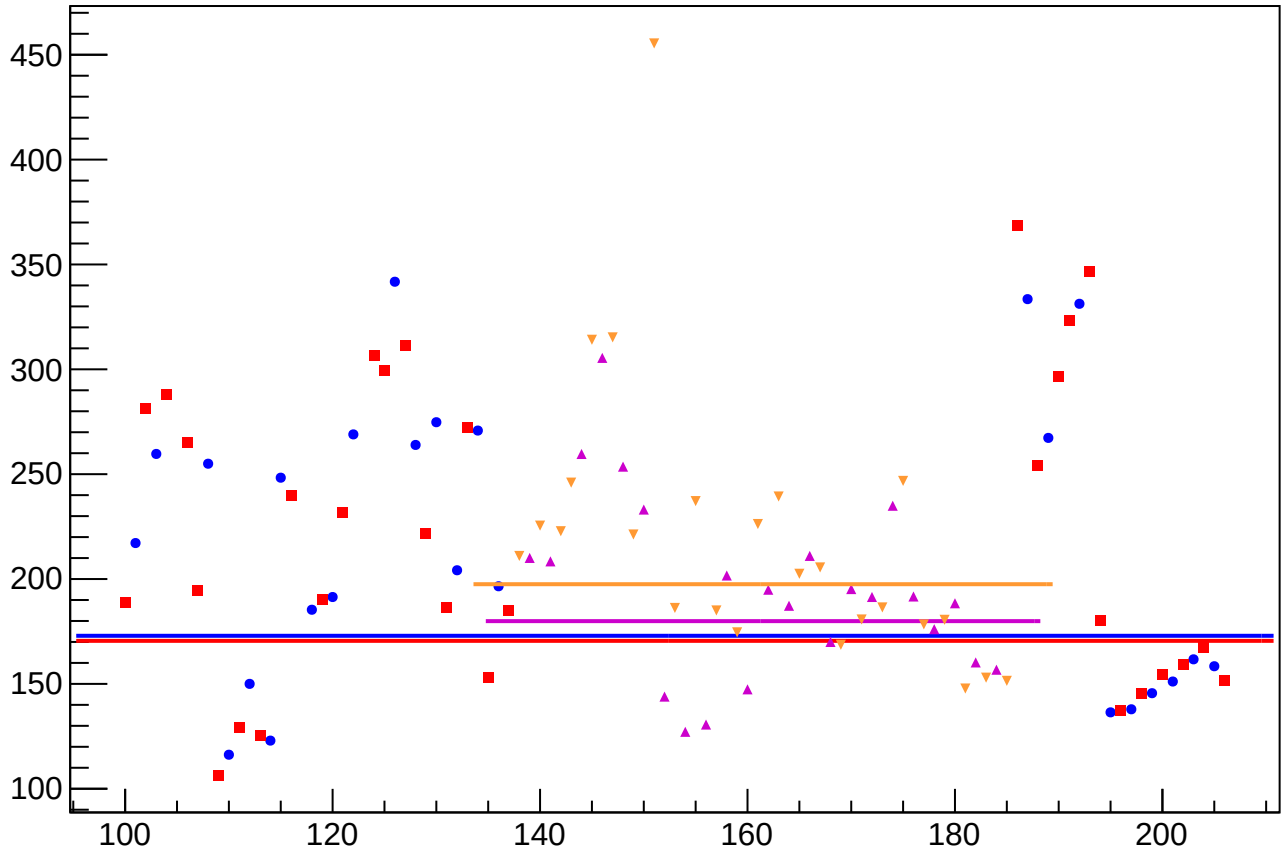
Right Out: 207.052+/-44.871 χ^2/NDF: 22.2/30

Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -9.609+/-33.571 χ^2/NDF: 64.2/49

All: 16.668+/-22.927 χ^2/NDF: 122.7/103

- sign 39.637+/-31.387 χ^2/NDF: 57.4/53



Right In: 172.939+/-0.034 χ^2/NDF: 2227671.3/24

Left Out: 197.534+/-0.033 χ^2/NDF:1789891.0/24

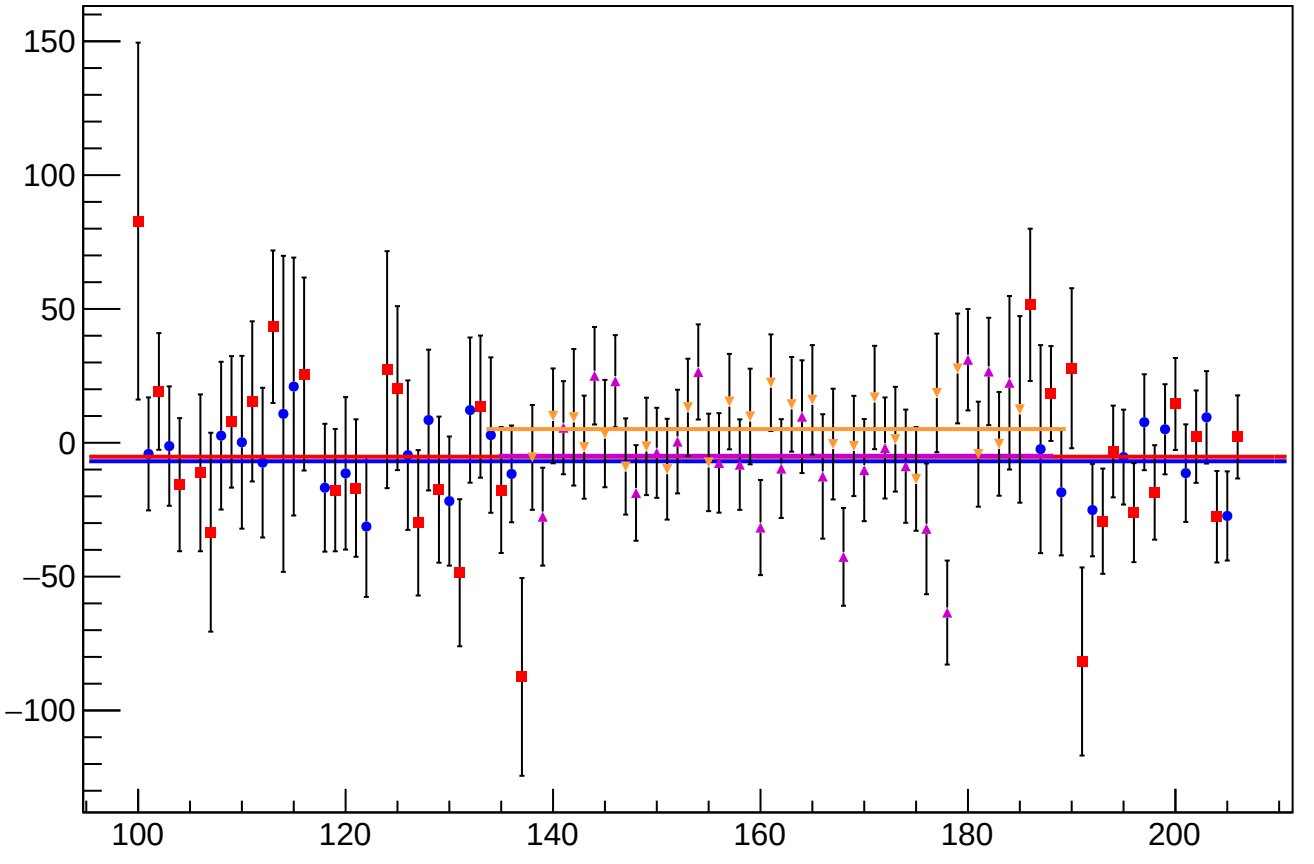
Right Out: 170.529+/-0.032 χ^2/NDF: 2953076.3/30

Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 185.739+/-0.024 χ^2/NDF: 4285490.2/49

All: 180.183+/-0.016 χ^2/NDF: 9010146.9/103

- sign 175.327+/-0.022 χ^2/NDF: 4621994.2/53



Right In: -6.904+/-4.535 χ^2/NDF: 8.1/24

Left Out: 5.119+/-3.890 χ^2/NDF:7.9/24

Right Out: -5.201+/-4.211 χ^2/NDF: 37.7/30

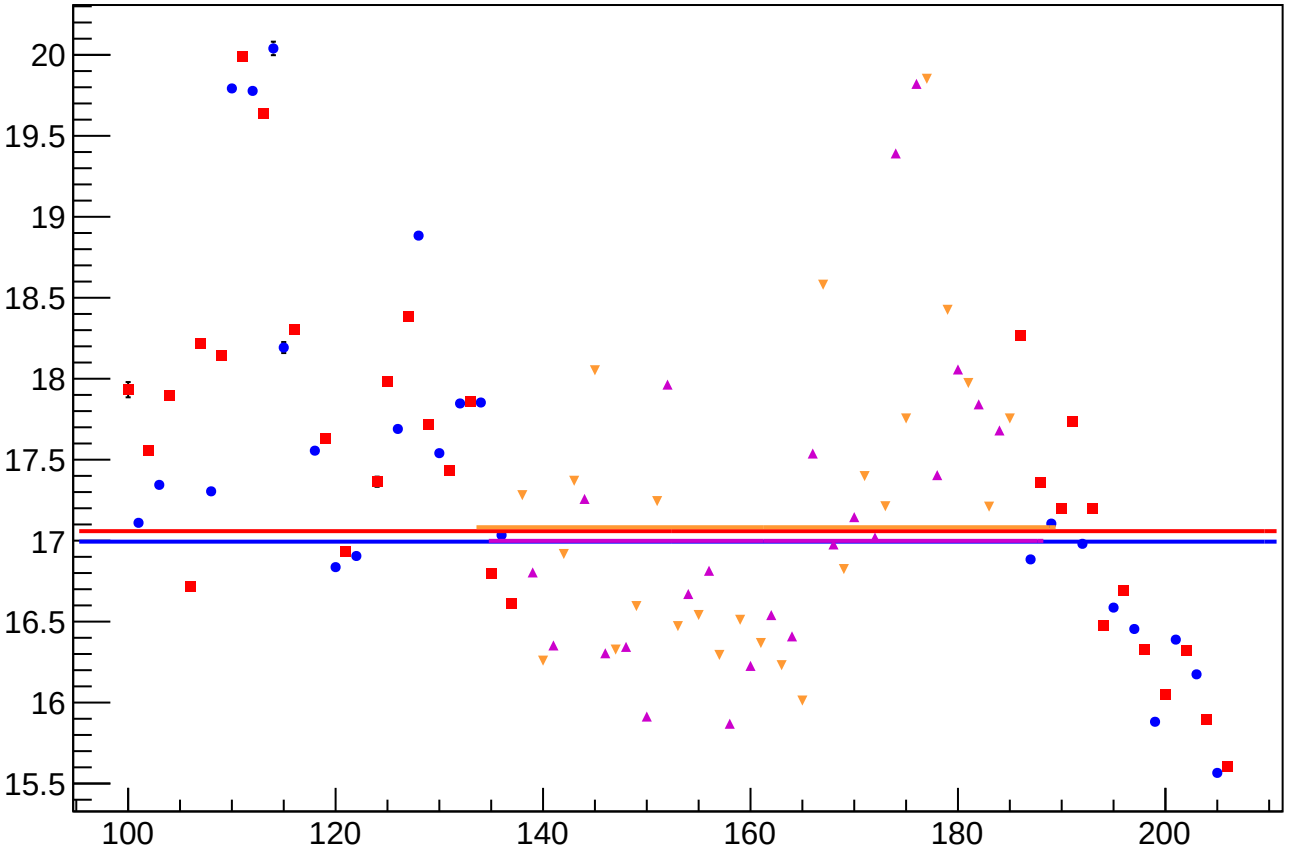
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.023+/-2.953 χ^2/NDF: 20.1/49

All: -2.550+/-2.066 χ^2/NDF: 94.8/103

- sign -5.020+/-2.892 χ^2/NDF: 73.2/53

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs Slug



Right In: 16.994+/-0.003 χ^2/NDF: 92845.0/24

Left Out: 17.083+/-0.003 χ^2/NDF:96774.9/24

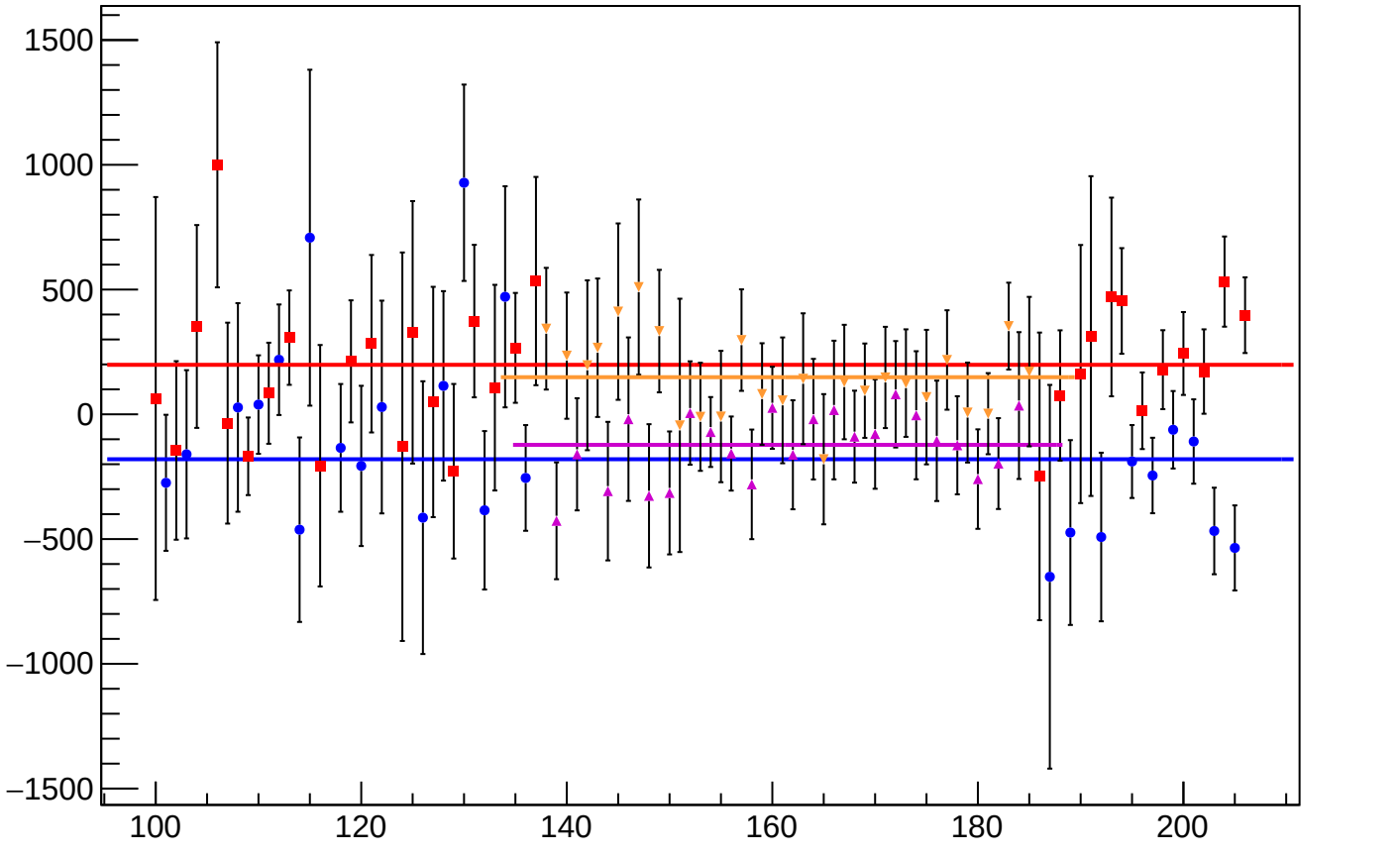
Right Out: 17.059+/-0.003 χ^2/NDF: 108625.6/30

Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.045+/-0.002 χ^2/NDF: 190064.5/49

All: 17.036+/-0.001 χ^2/NDF: 402963.4/103

- sign 17.027+/-0.002 χ^2/NDF: 212860.3/53



Right In: -180.061+/-48.771 χ^2/NDF: 28.8/24

Left Out: 148.758+/-46.714 χ^2/NDF:9.5/24

Right Out: 198.369+/-45.201 χ^2/NDF: 23.5/30

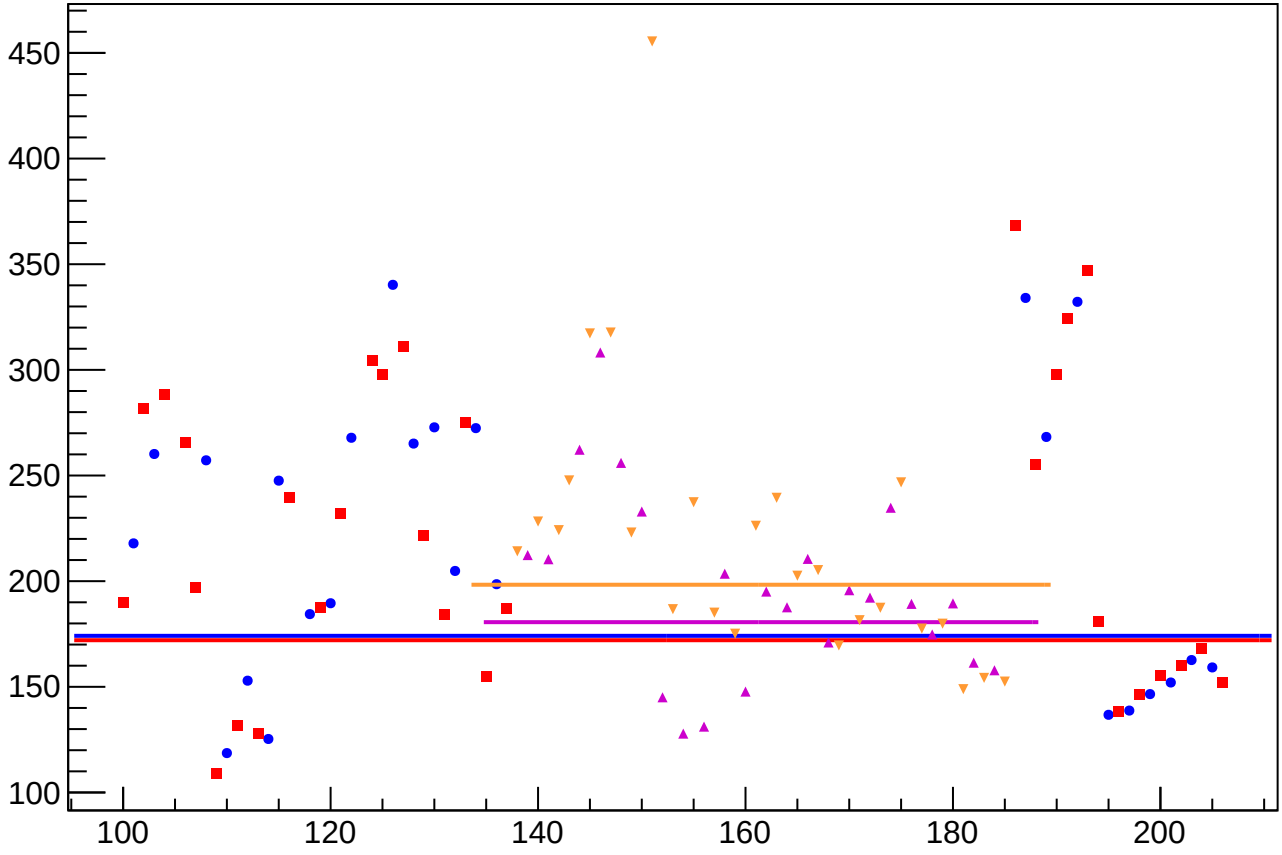
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

\+ sign -8.571+/-33.735 χ^2/NDF: 62.0/49

All: 14.118+/-23.046 χ^2/NDF: 120.0/103

\- sign 33.974+/-31.558 χ^2/NDF: 57.2/53

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs Slug



Right In: 174.133+/-0.034 χ^2/NDF: 2184458.1/24

Left Out: 198.313+/-0.033 χ^2/NDF:1790279.4/24

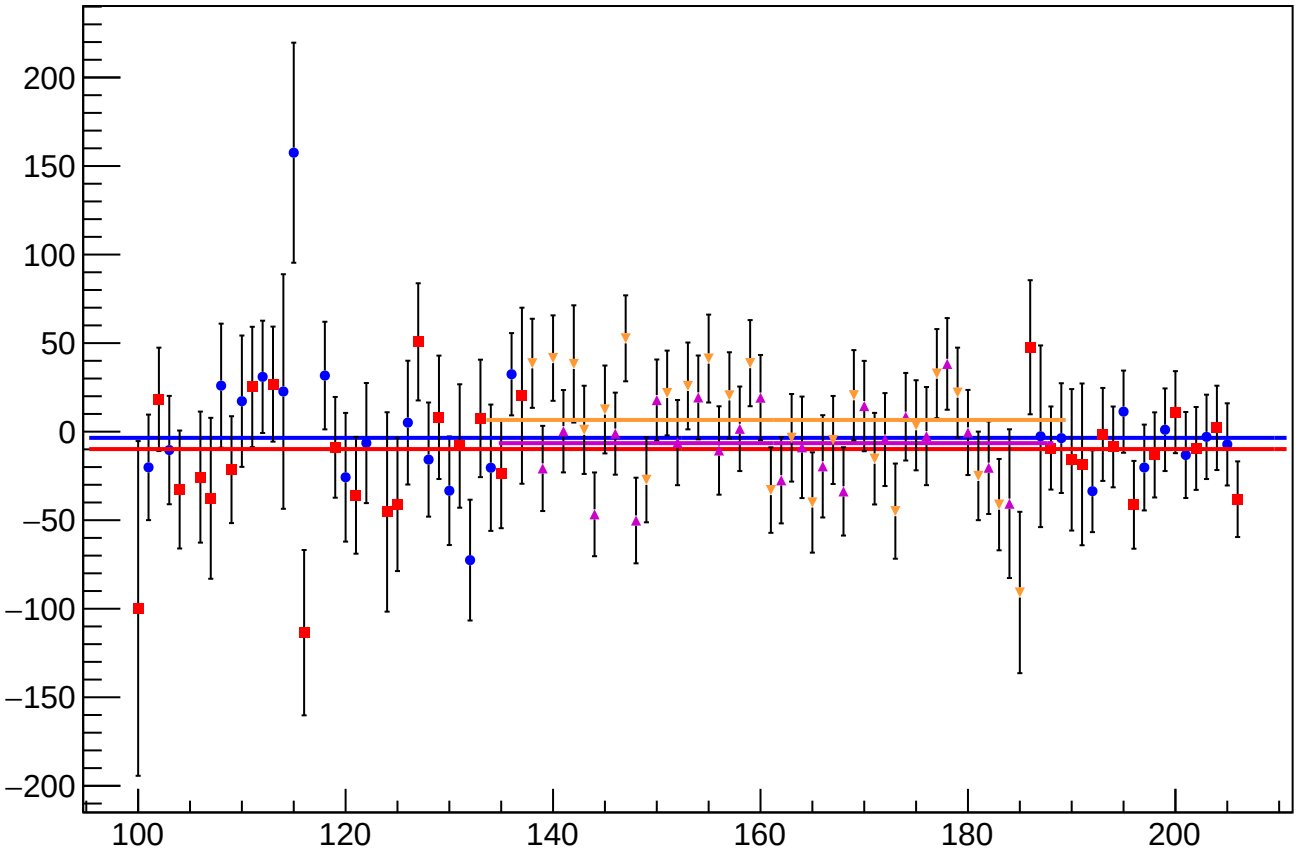
Right Out: 172.055+/-0.032 χ^2/NDF: 2862622.9/30

Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 186.744+/-0.024 χ^2/NDF: 4231122.9/49

All: 181.246+/-0.016 χ^2/NDF: 8858062.8/103

- sign 176.435+/-0.022 χ^2/NDF: 4527343.7/53



Right In: -3.504+/-5.947 χ^2/NDF: 21.8/24

Left Out: 6.611+/-5.117 χ^2/NDF:36.9/24

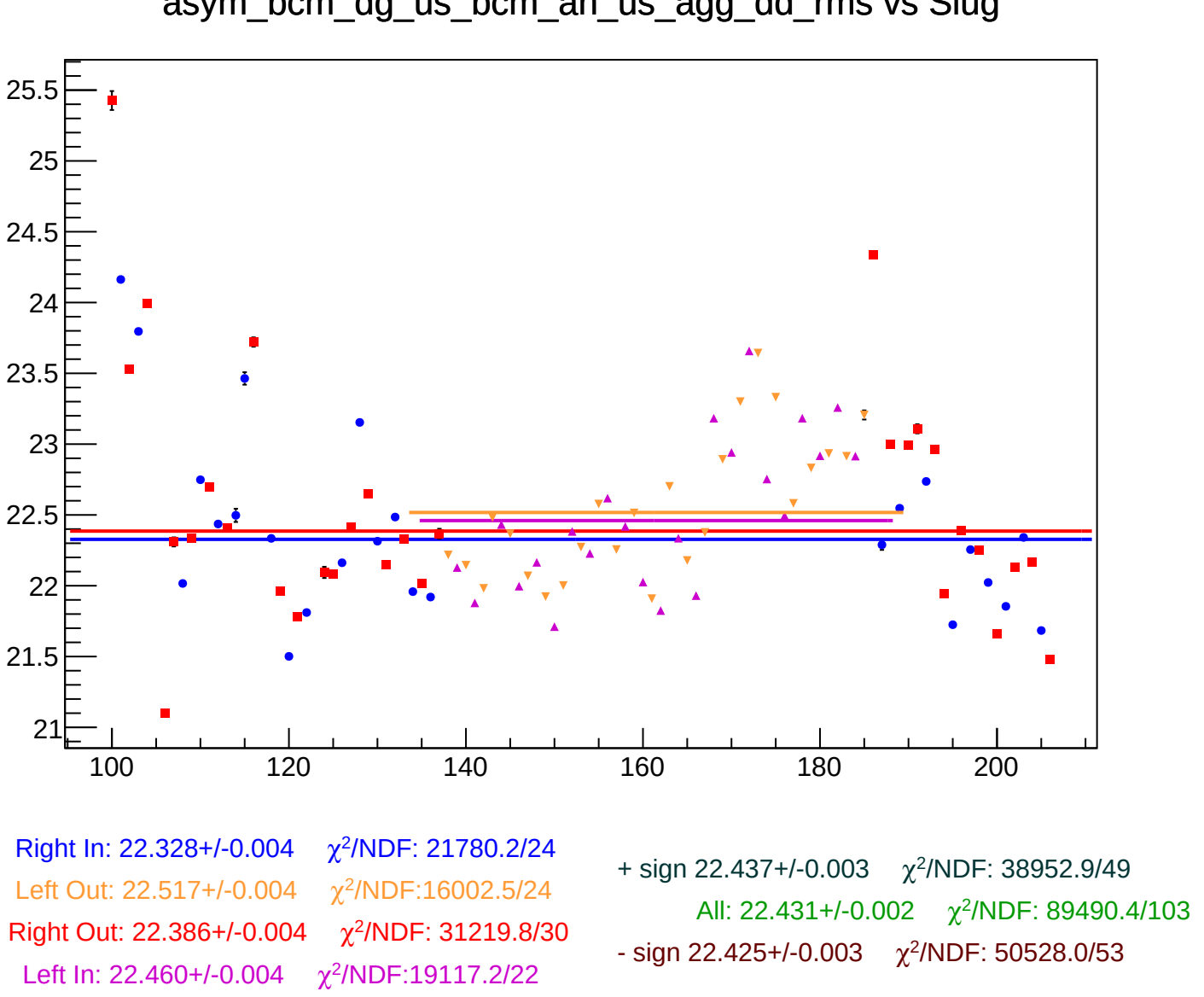
Right Out: -9.837+/-5.515 χ^2/NDF: 23.4/30

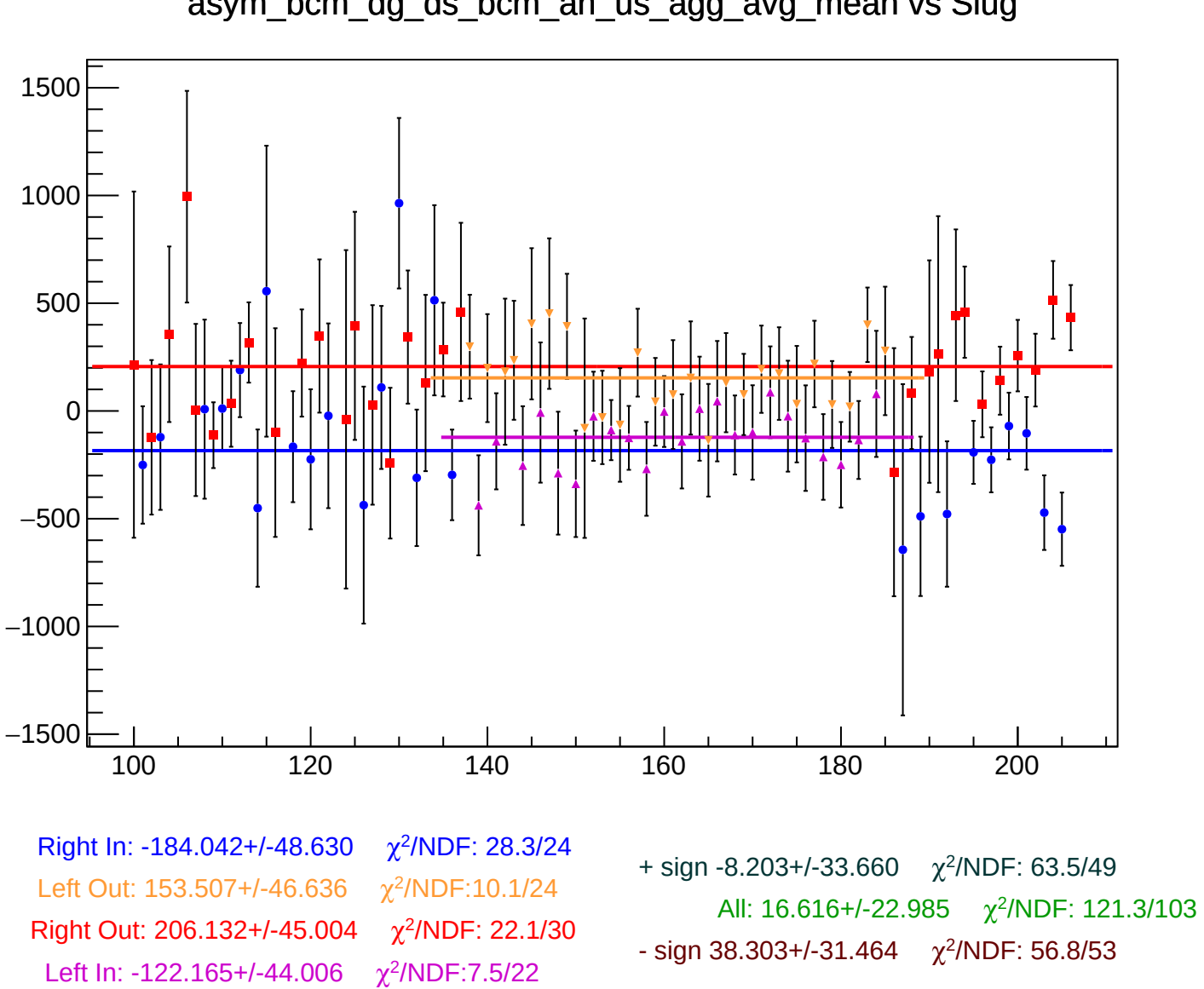
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

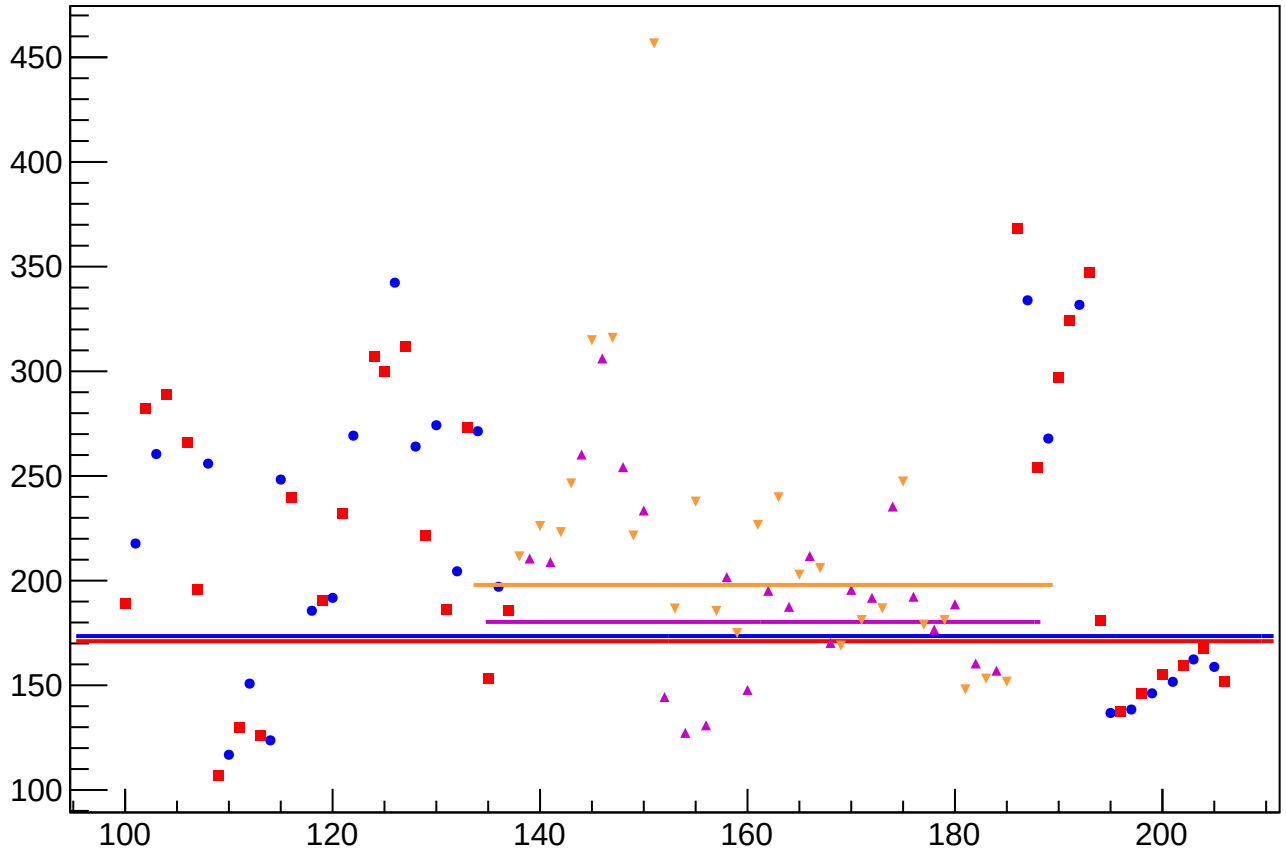
+ sign 2.308+/-3.879 χ^2/NDF: 60.4/49

All: -2.989+/-2.715 χ^2/NDF: 105.1/103

- sign -8.076+/-3.801 χ^2/NDF: 41.0/53


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs Slug
25.5
25
24.5
24
23.5
23
22.5
22
21.5
21
100
120
140
160
180
200
Right In: 22.328+/-0.004 χ²/NDF: 21780.2/24
Left Out: 22.517+/-0.004 χ²/NDF:16002.5/24
Right Out: 22.386+/-0.004 χ²/NDF: 31219.8/30
Left In: 22.460+/-0.004 χ²/NDF:19117.2/22
+ sign 22.437+/-0.003 χ²/NDF: 38952.9/49
All: 22.431+/-0.002 χ²/NDF: 89490.4/103
- sign 22.425+/-0.003 χ²/NDF: 50528.0/53


asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: -184.042+/-48.630 χ²/NDF: 28.3/24
Left Out: 153.507+/-46.636 χ²/NDF:10.1/24
Right Out: 206.132+/-45.004 χ²/NDF: 22.1/30
Left In: -122.165+/-44.006 χ²/NDF:7.5/22
+ sign -8.203+/-33.660 χ²/NDF: 63.5/49
All: 16.616+/-22.985 χ²/NDF: 121.3/103
- sign 38.303+/-31.464 χ²/NDF: 56.8/53



Right In: 173.527+/-0.034 χ^2/NDF: 2214111.4/24

Left Out: 197.957+/-0.033 χ^2/NDF:1791354.6/24

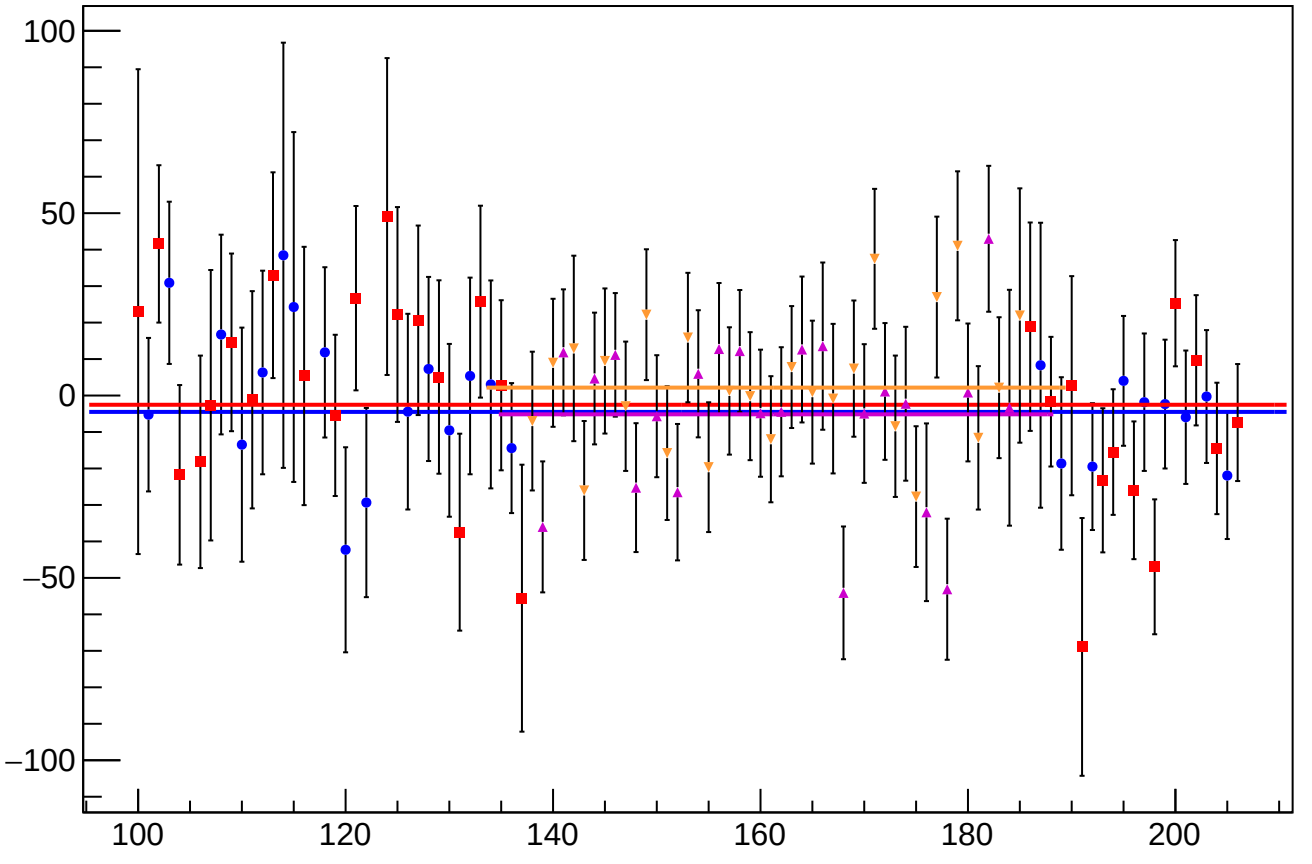
Right Out: 171.087+/-0.032 χ^2/NDF: 2934914.3/30

Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 186.253+/-0.024 χ^2/NDF: 4268399.0/49

All: 180.666+/-0.016 χ^2/NDF: 8973866.9/103

- sign 175.784+/-0.022 χ^2/NDF: 4602203.7/53



Right In: -4.485+/-4.568 χ^2/NDF: 10.8/24

Left Out: 2.174+/-3.825 χ^2/NDF:20.0/24

Right Out: -2.529+/-4.233 χ^2/NDF: 33.4/30

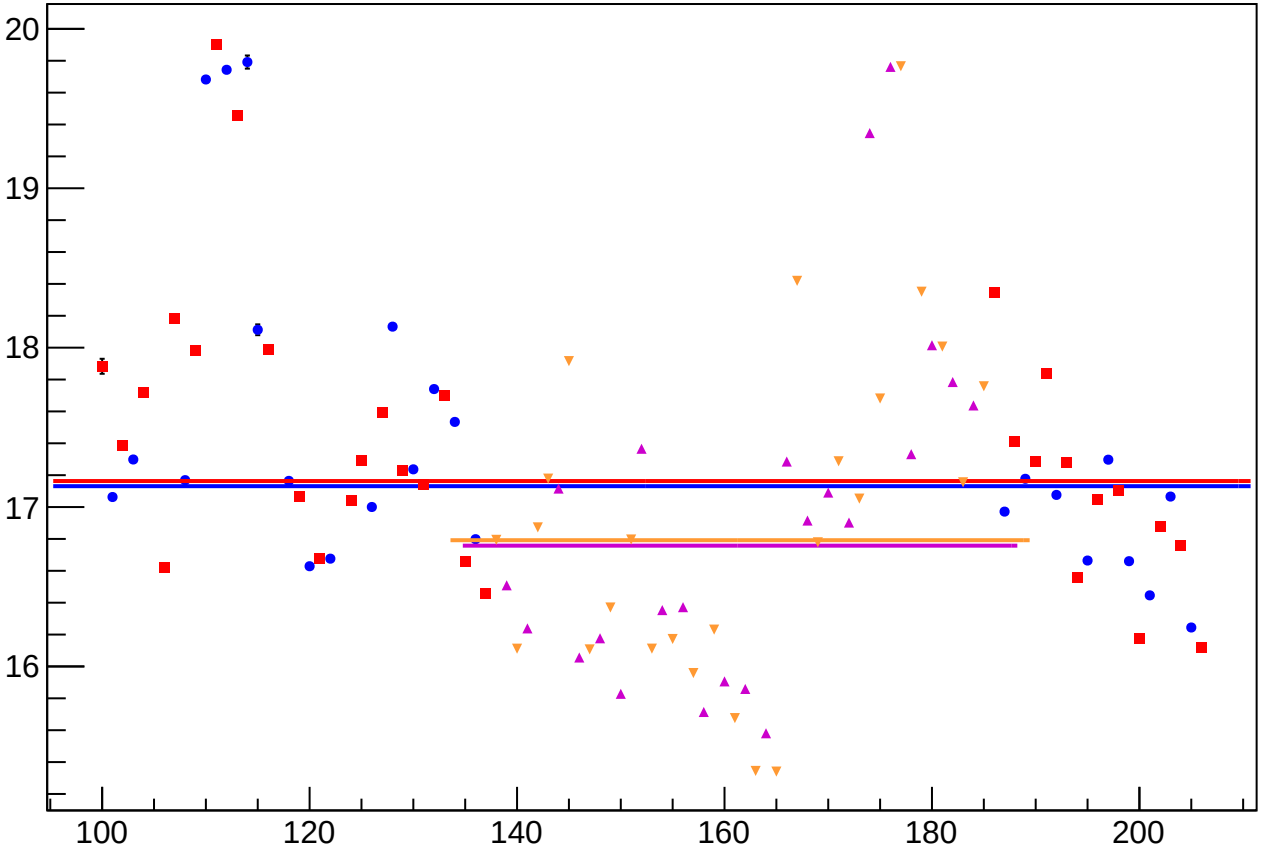
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign -0.571+/-2.933 χ^2/NDF: 32.0/49

All: -2.287+/-2.054 χ^2/NDF: 98.6/103

- sign -3.939+/-2.878 χ^2/NDF: 65.9/53

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs Slug



Right In: 17.131+/-0.003 χ^2/NDF: 52944.8/24

Left Out: 16.792+/-0.003 χ^2/NDF:137000.5/24

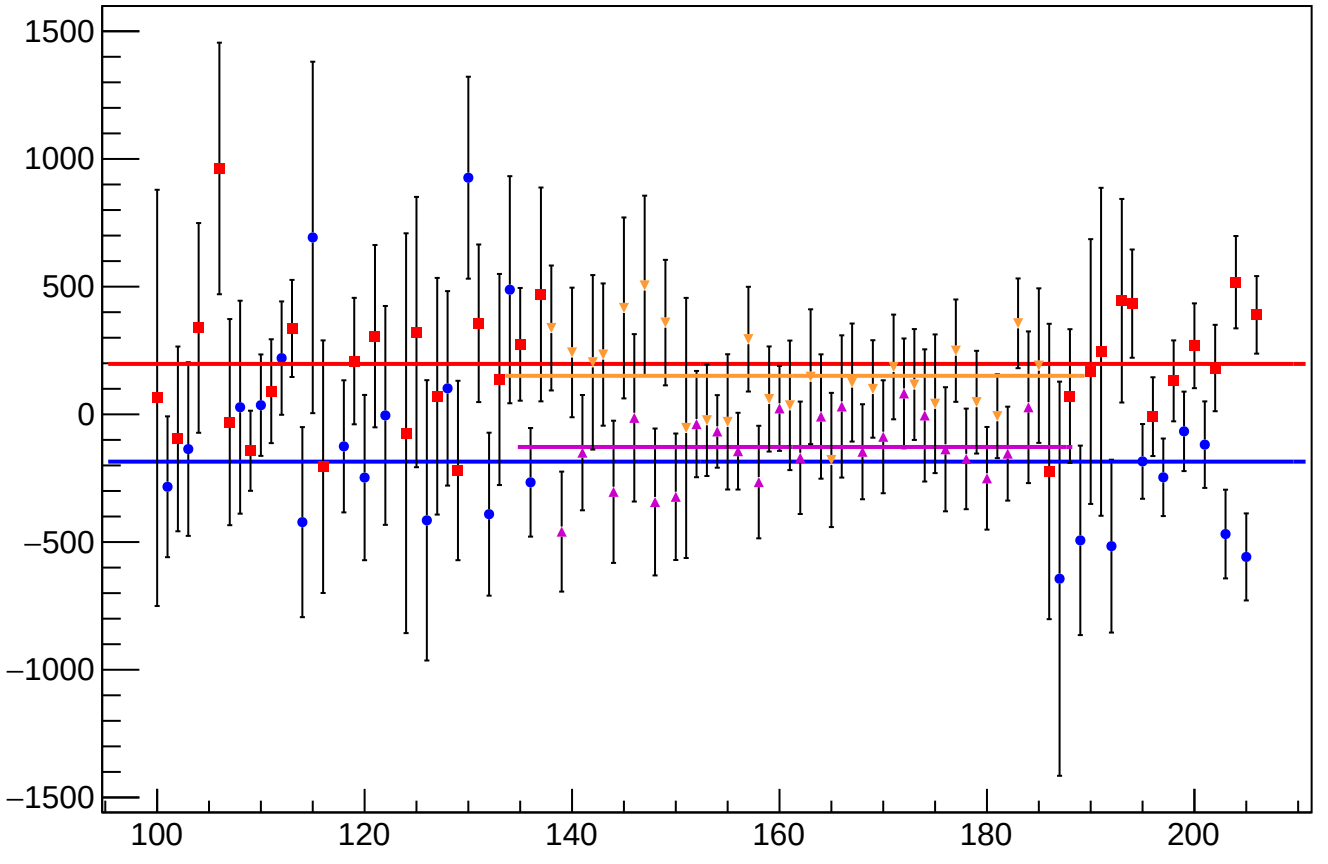
Right Out: 17.163+/-0.003 χ^2/NDF: 64784.4/30

Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

+ sign 16.932+/-0.002 χ^2/NDF: 196418.8/49

All: 16.939+/-0.001 χ^2/NDF: 394396.4/103

- sign 16.945+/-0.002 χ^2/NDF: 197956.1/53



Right In: -185.146+/-48.933 χ^2/NDF: 29.2/24

Left Out: 150.884+/-47.035 χ^2/NDF:10.0/24

Right Out: 197.482+/-45.356 χ^2/NDF: 21.6/30

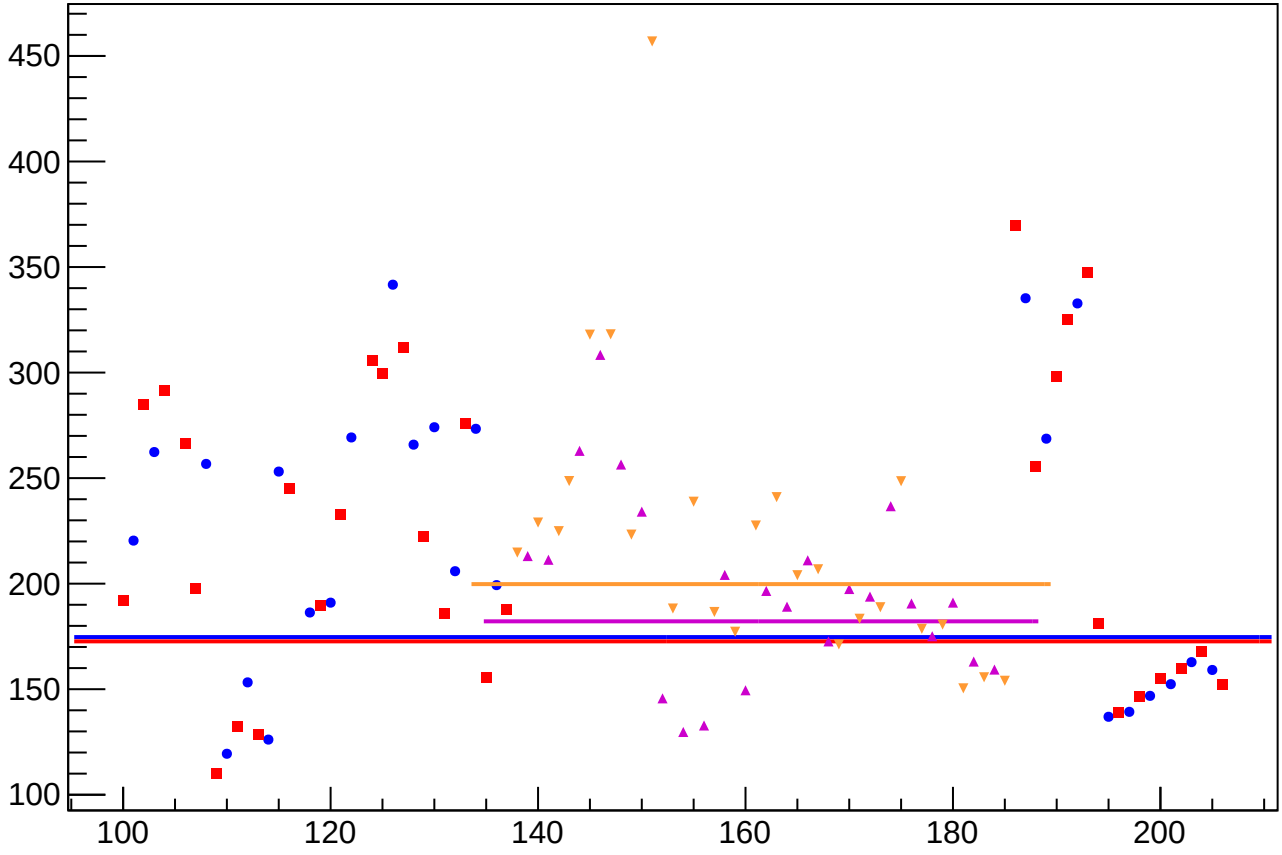
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

\+ sign -10.487+/-33.910 χ^2/NDF: 63.6/49

All: 11.904+/-23.172 χ^2/NDF: 120.1/103

\- sign 31.519+/-31.738 χ^2/NDF: 55.7/53

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs Slug



Right In: 174.692+/-0.035 χ^2/NDF: 2194347.3/24

Left Out: 199.785+/-0.033 χ^2/NDF:1760326.2/24

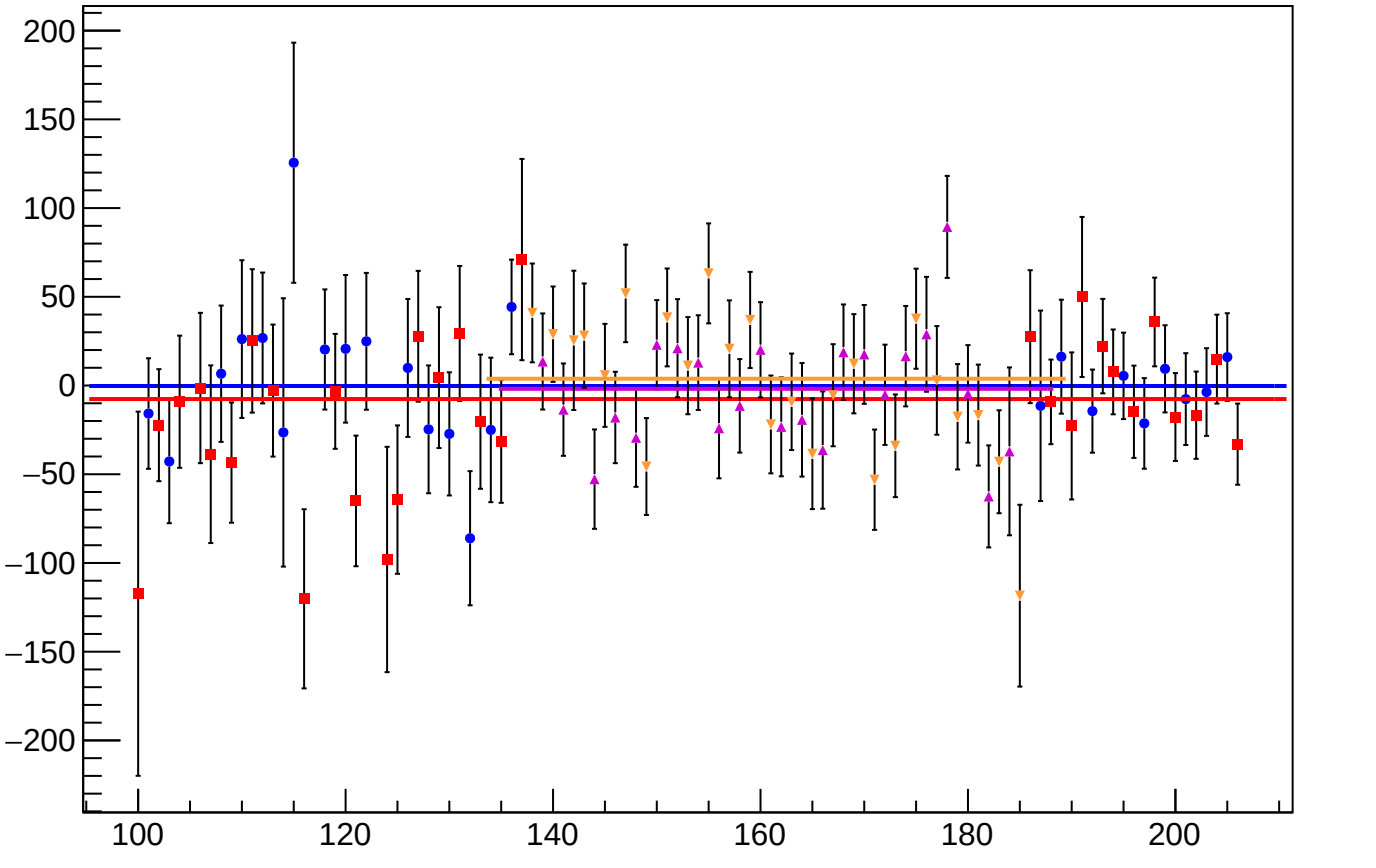
Right Out: 172.663+/-0.032 χ^2/NDF: 2866803.5/30

Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 187.735+/-0.024 χ^2/NDF: 4228022.4/49

All: 182.282+/-0.016 χ^2/NDF: 8820861.3/103

- sign 177.505+/-0.022 χ^2/NDF: 4495816.2/53



Right In: -0.275+/-6.448 χ^2/NDF: 18.8/24

Left Out: 3.831+/-5.789 χ^2/NDF:37.6/24

Right Out: -7.627+/-5.937 χ^2/NDF: 29.1/30

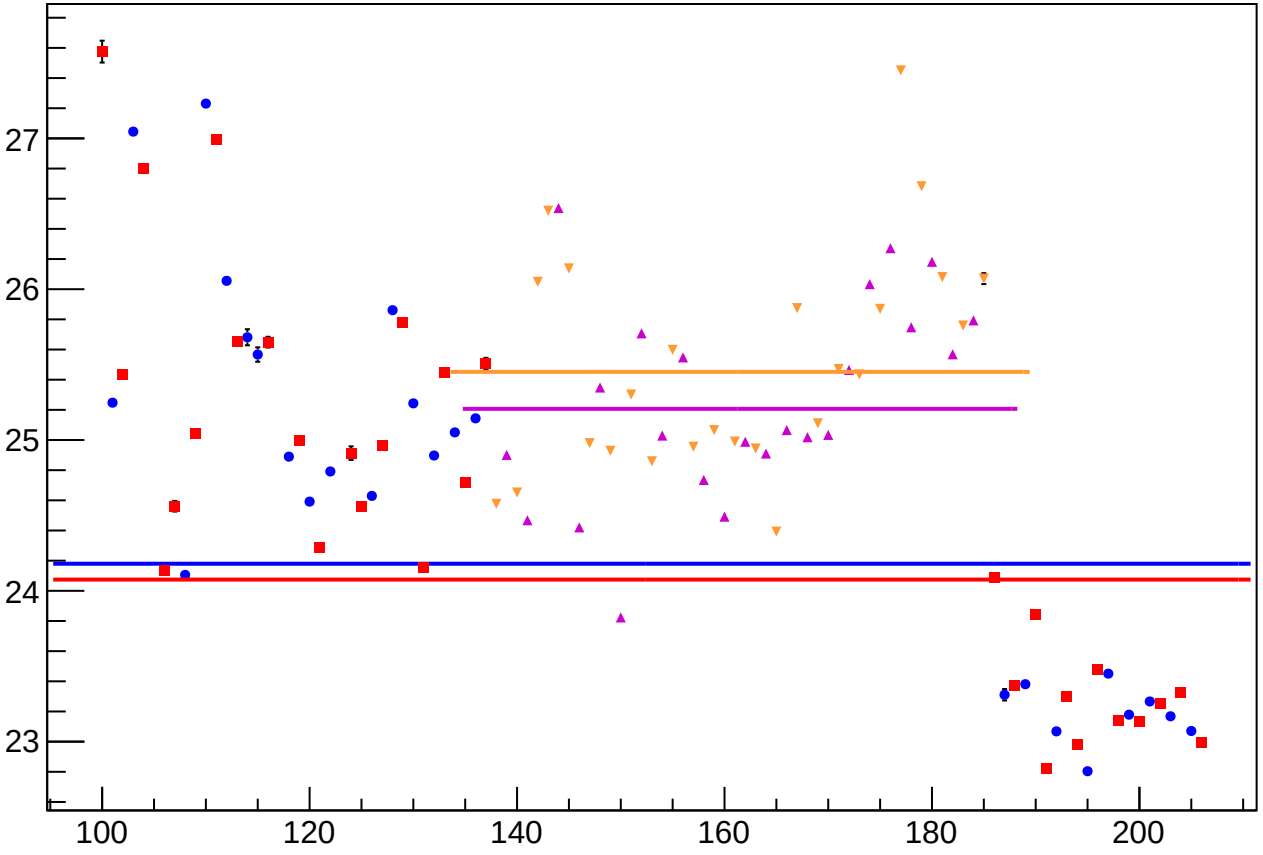
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.998+/-4.308 χ^2/NDF: 56.7/49

All: -1.458+/-3.001 χ^2/NDF: 115.6/103

- sign -4.717+/-4.182 χ^2/NDF: 57.6/53

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 24.180+/-0.005 χ^2/NDF: 71967.0/24

Left Out: 25.452+/-0.004 χ^2/NDF:29612.4/24

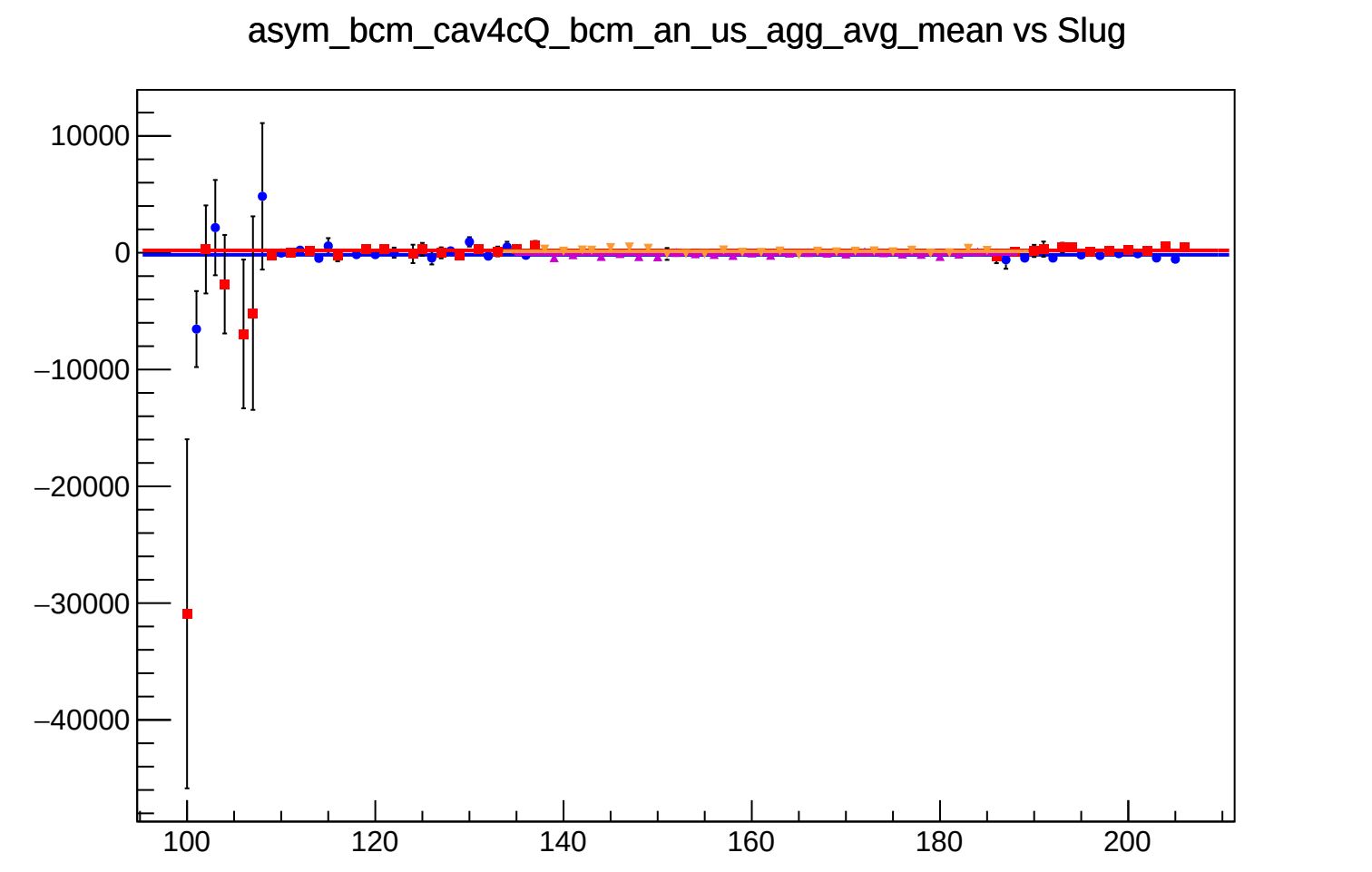
Right Out: 24.075+/-0.004 χ^2/NDF: 70776.9/30

Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.884+/-0.003 χ^2/NDF: 144682.9/49

All: 24.761+/-0.002 χ^2/NDF: 281099.0/103

- sign 24.645+/-0.003 χ^2/NDF: 133242.0/53



Right In: -176.053+/-51.481 χ^2/NDF: 31.2/24

Left Out: 125.161+/-46.925 χ^2/NDF:11.1/24

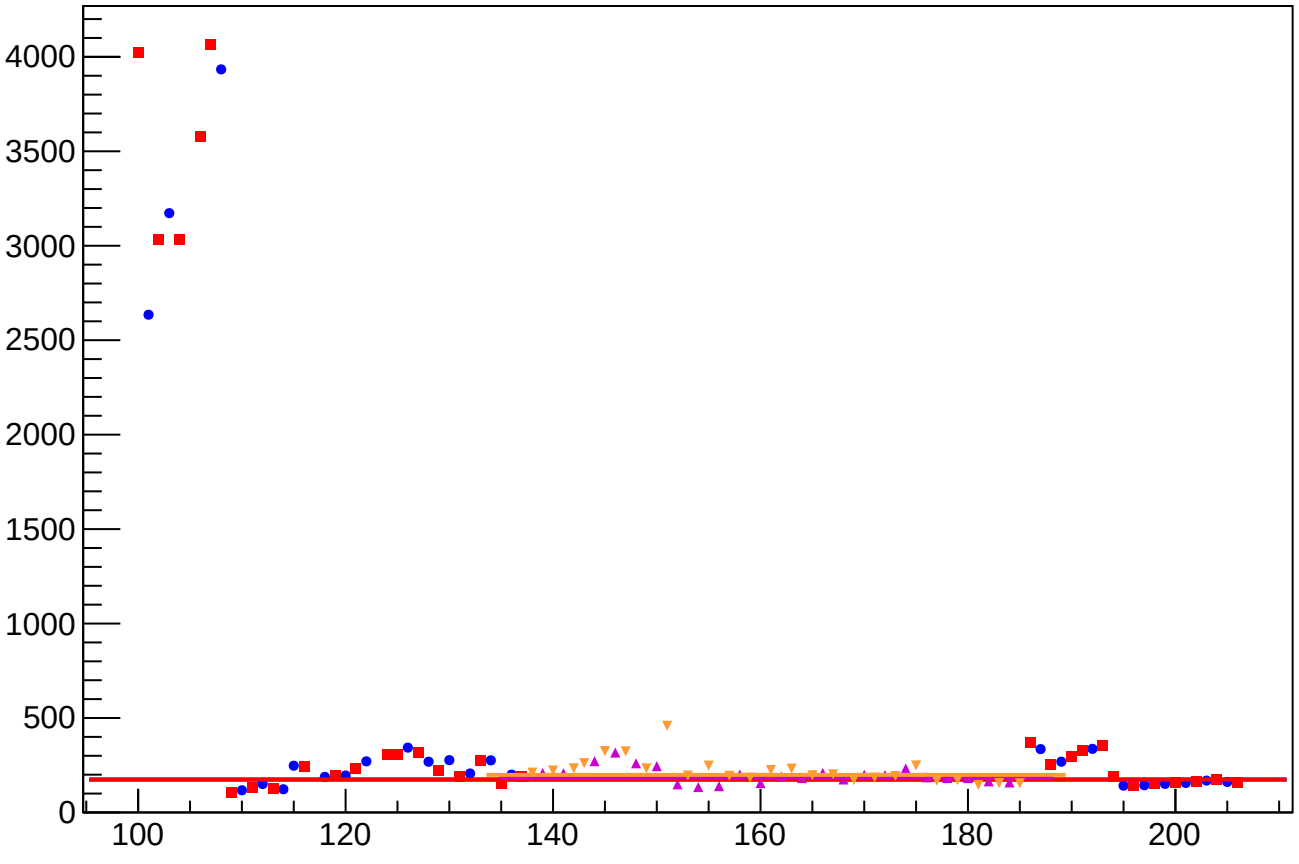
Right Out: 203.577+/-48.250 χ^2/NDF: 24.5/30

Left In: -117.291+/-44.871 χ^2/NDF:8.0/22

+ sign -11.531+/-34.680 χ^2/NDF: 61.0/49

All: 11.153+/-23.852 χ^2/NDF: 117.9/103

- sign 31.517+/-32.858 χ^2/NDF: 56.2/53



Right In: 174.401+/-0.036 χ^2/NDF: 4814510.0/24

Left Out: 198.994+/-0.033 χ^2/NDF:1902155.1/24

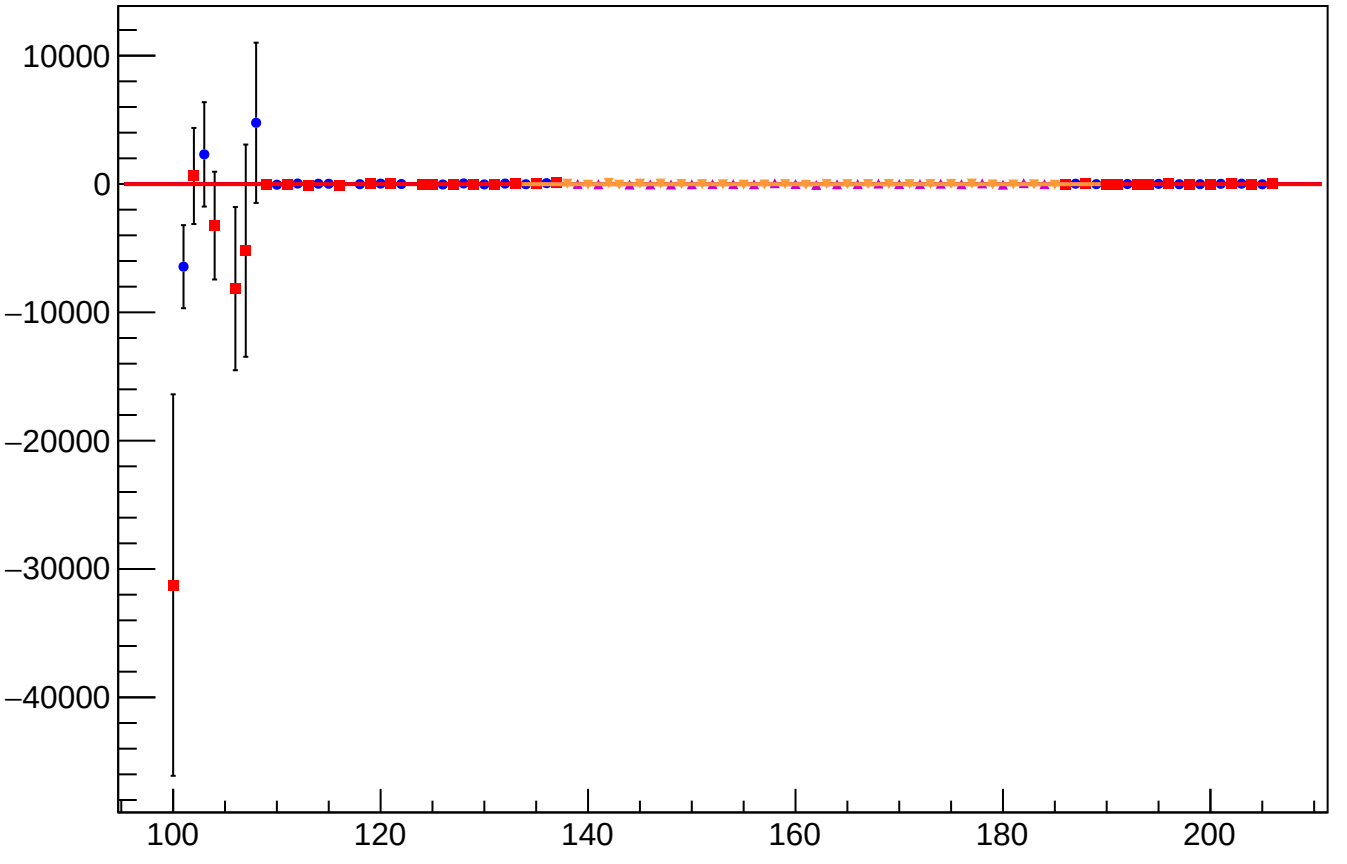
Right Out: 174.159+/-0.034 χ^2/NDF: 5509344.1/30

Left In: 184.399+/-0.032 χ^2/NDF:1446306.0/22

+ sign 187.834+/-0.025 χ^2/NDF: 6965942.2/49

All: 183.521+/-0.017 χ^2/NDF: 14028585.5/10

- sign 179.650+/-0.023 χ^2/NDF: 7003953.7/53



Right In: 3.530+/-7.779 χ^2/NDF: 18.6/24

Left Out: -14.827+/-6.512 χ^2/NDF:22.2/24

Right Out: -10.695+/-7.258 χ^2/NDF: 30.3/30

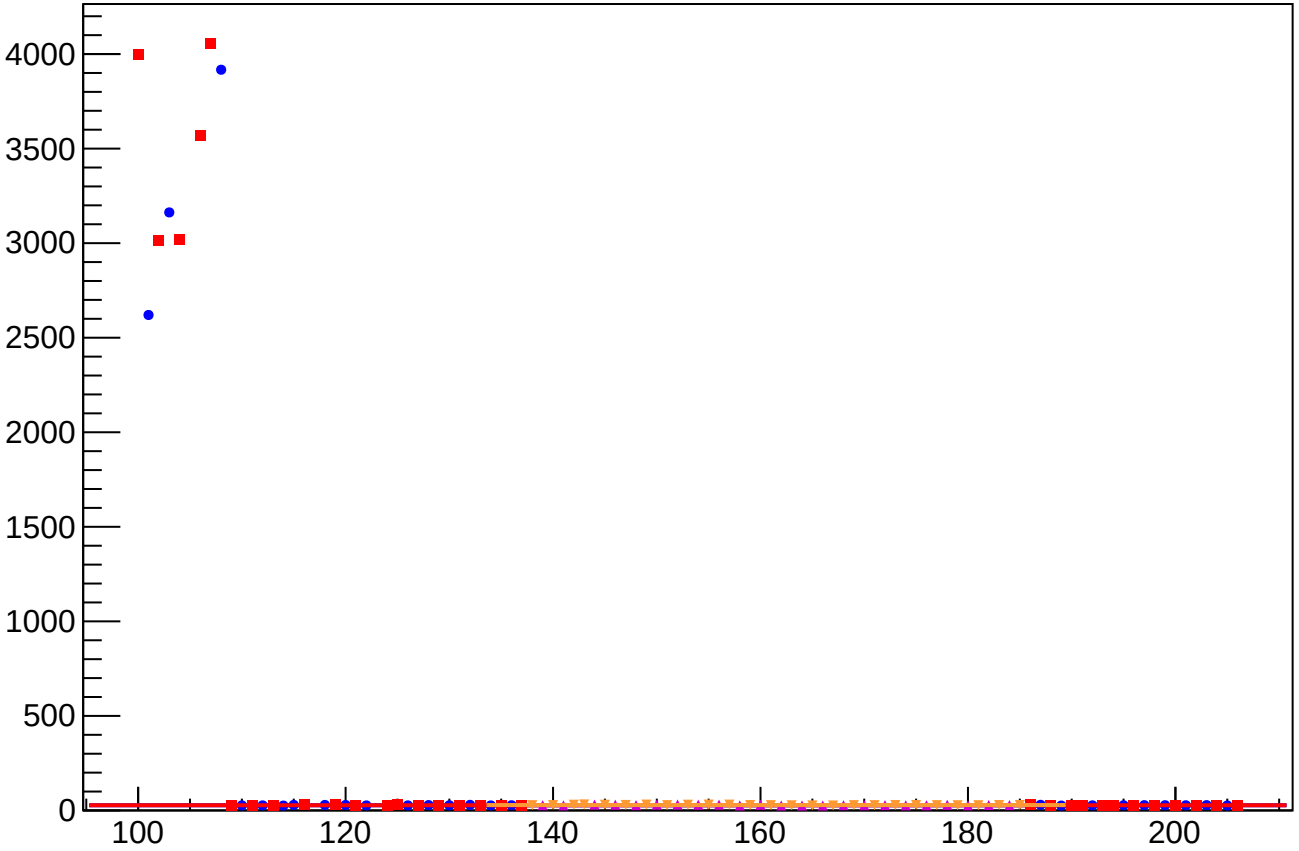
Left In: -2.172+/-6.703 χ^2/NDF:28.3/22

+ sign -7.264+/-4.993 χ^2/NDF: 44.2/49

All: -6.672+/-3.506 χ^2/NDF: 103.5/103

- sign -6.096+/-4.924 χ^2/NDF: 59.3/53

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs Slug



Right In: 27.441+/-0.006 χ^2/NDF: 3278827.5/24

Left Out: 28.586+/-0.005 χ^2/NDF:88130.9/24

Right Out: 27.503+/-0.005 χ^2/NDF: 3583724.6/30

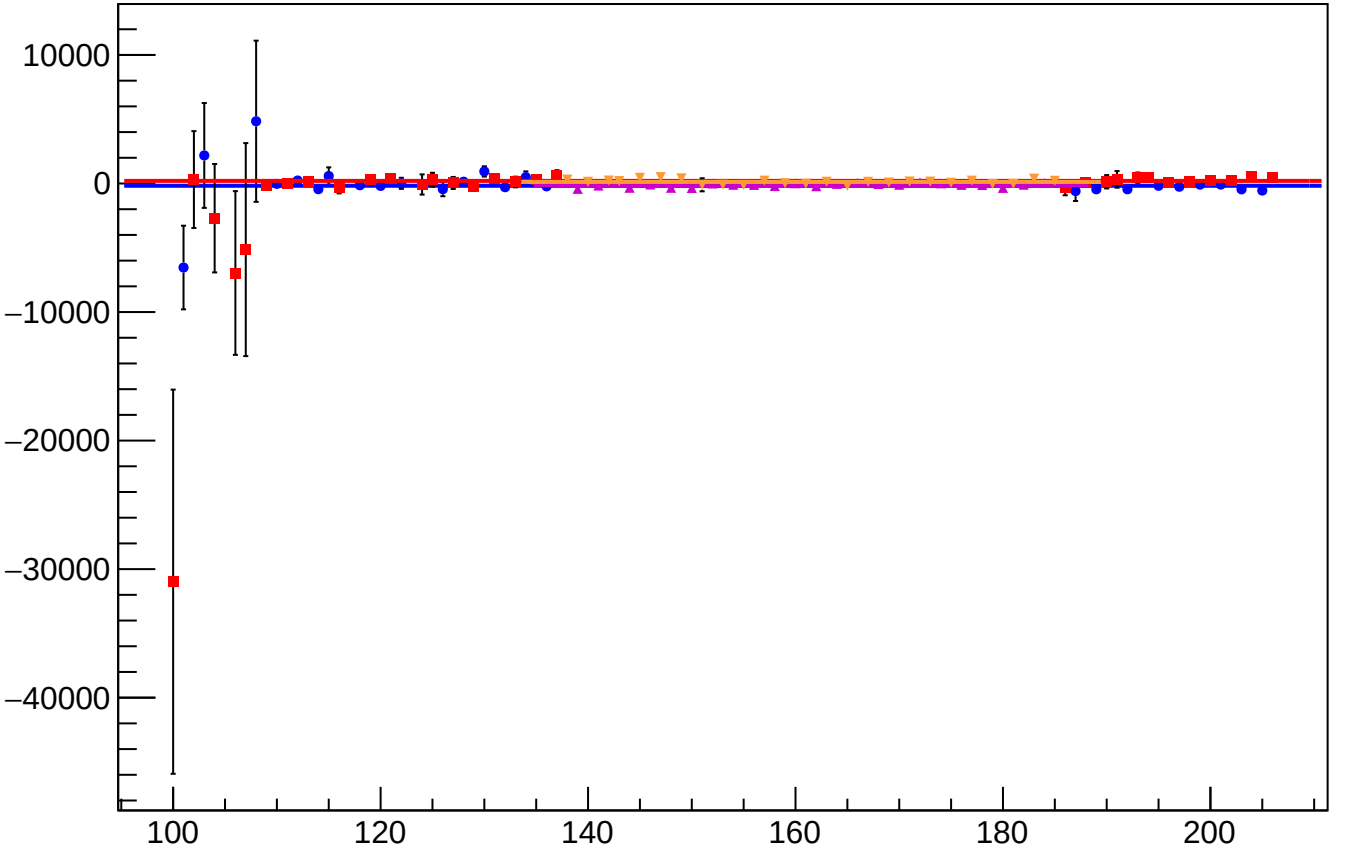
Left In: 28.606+/-0.005 χ^2/NDF:122928.2/22

\+ sign 28.114+/-0.004 χ^2/NDF: 3392433.3/49

All: 28.106+/-0.002 χ^2/NDF: 7124002.0/103

\- sign 28.098+/-0.003 χ^2/NDF: 3731558.6/53

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs Slug



Right In: -175.717+/-51.327 χ^2/NDF: 31.3/24

Left Out: 121.915+/-46.825 χ^2/NDF:12.0/24

Right Out: 204.180+/-48.118 χ^2/NDF: 24.9/30

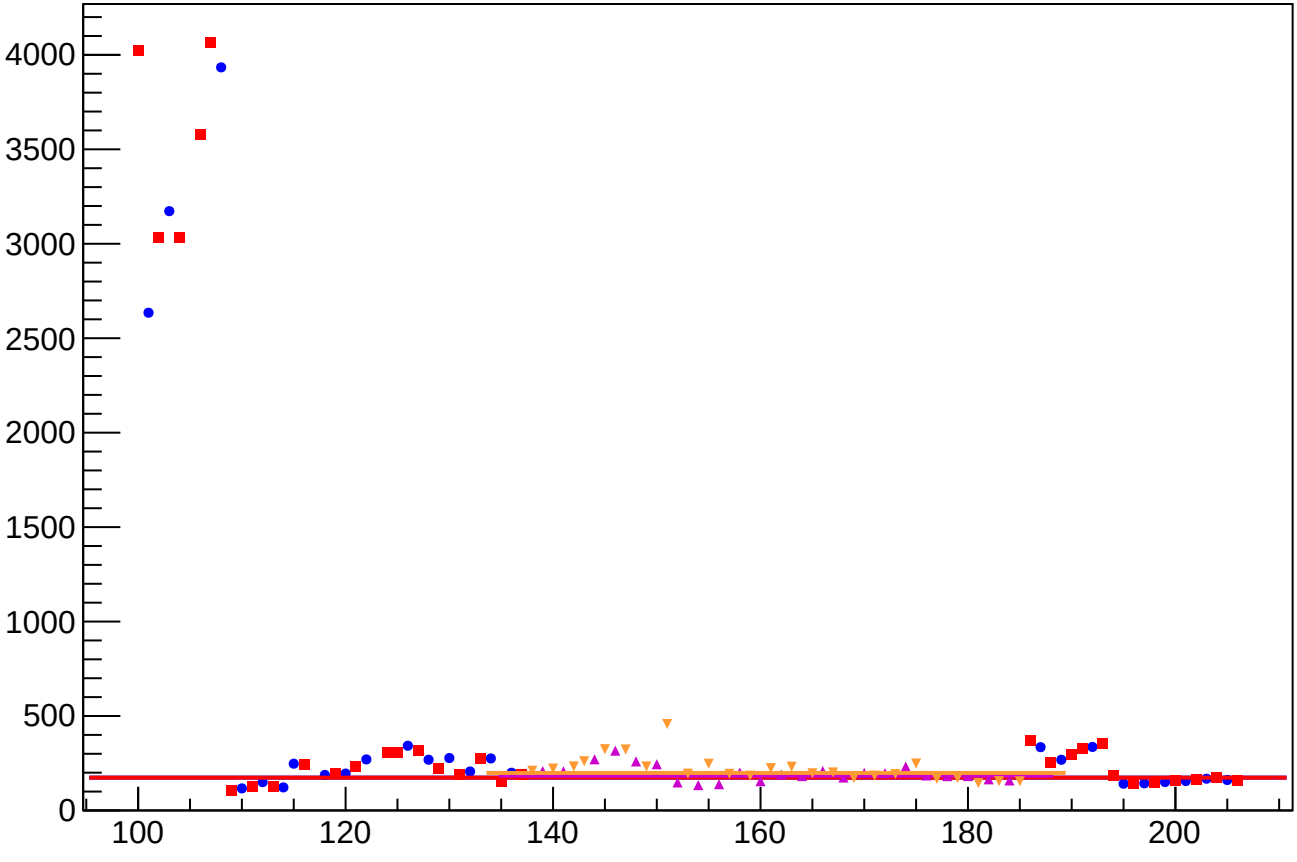
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -13.279+/-34.592 χ^2/NDF: 61.7/49

All: 10.834+/-23.795 χ^2/NDF: 119.7/103

- sign 32.490+/-32.783 χ^2/NDF: 57.1/53

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs Slug



Right In: 173.826+/-0.036 χ^2/NDF: 4828451.1/24

Left Out: 198.571+/-0.033 χ^2/NDF:1901504.1/24

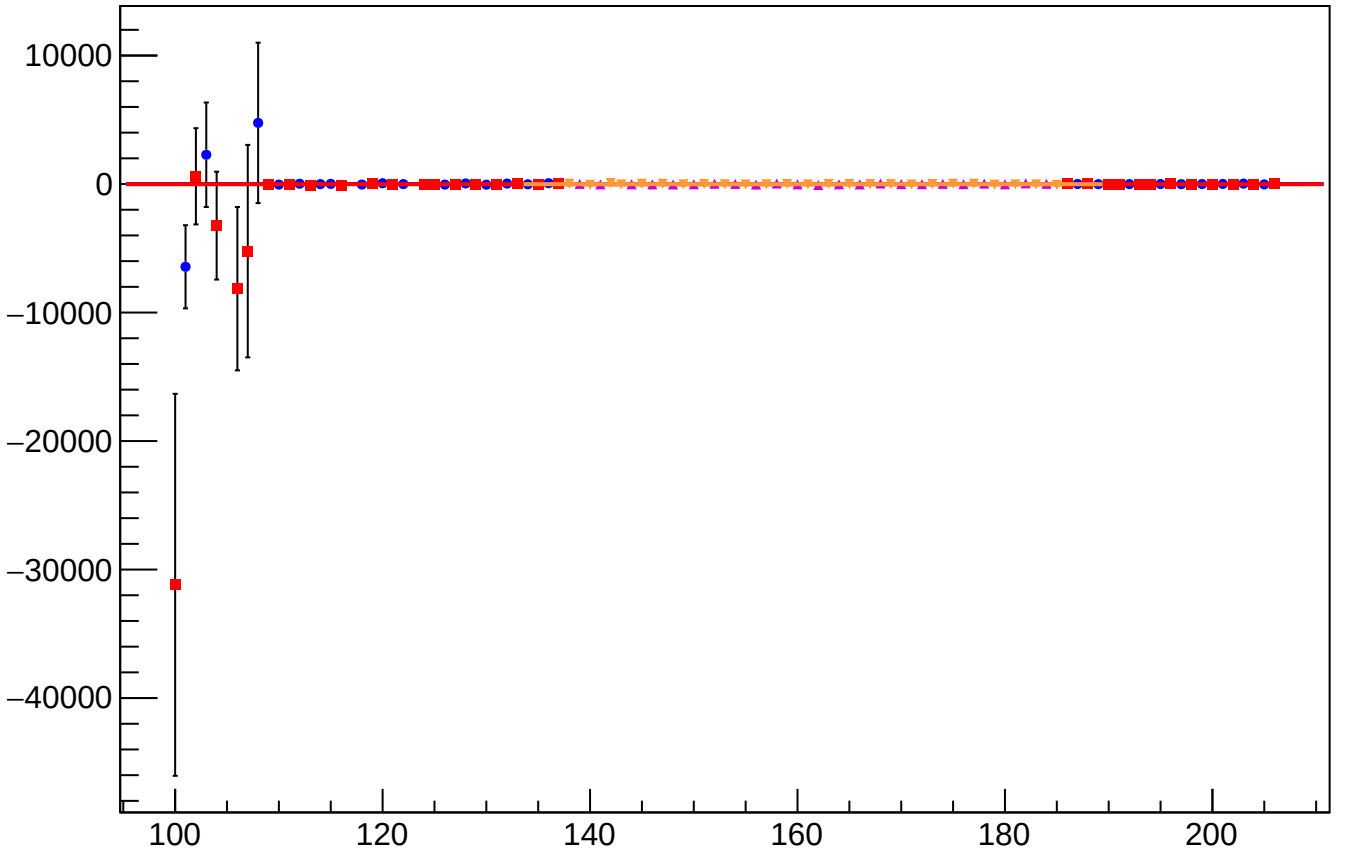
Right Out: 173.627+/-0.034 χ^2/NDF: 5527367.4/30

Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 187.331+/-0.024 χ^2/NDF: 6983648.3/49

All: 183.054+/-0.017 χ^2/NDF: 14064775.9/10

- sign 179.212+/-0.023 χ^2/NDF: 7023089.0/53



Right In: 1.829+/-7.762 χ^2/NDF: 21.2/24

Left Out: -11.862+/-6.541 χ^2/NDF:17.9/24

Right Out: -12.402+/-7.244 χ^2/NDF: 30.7/30

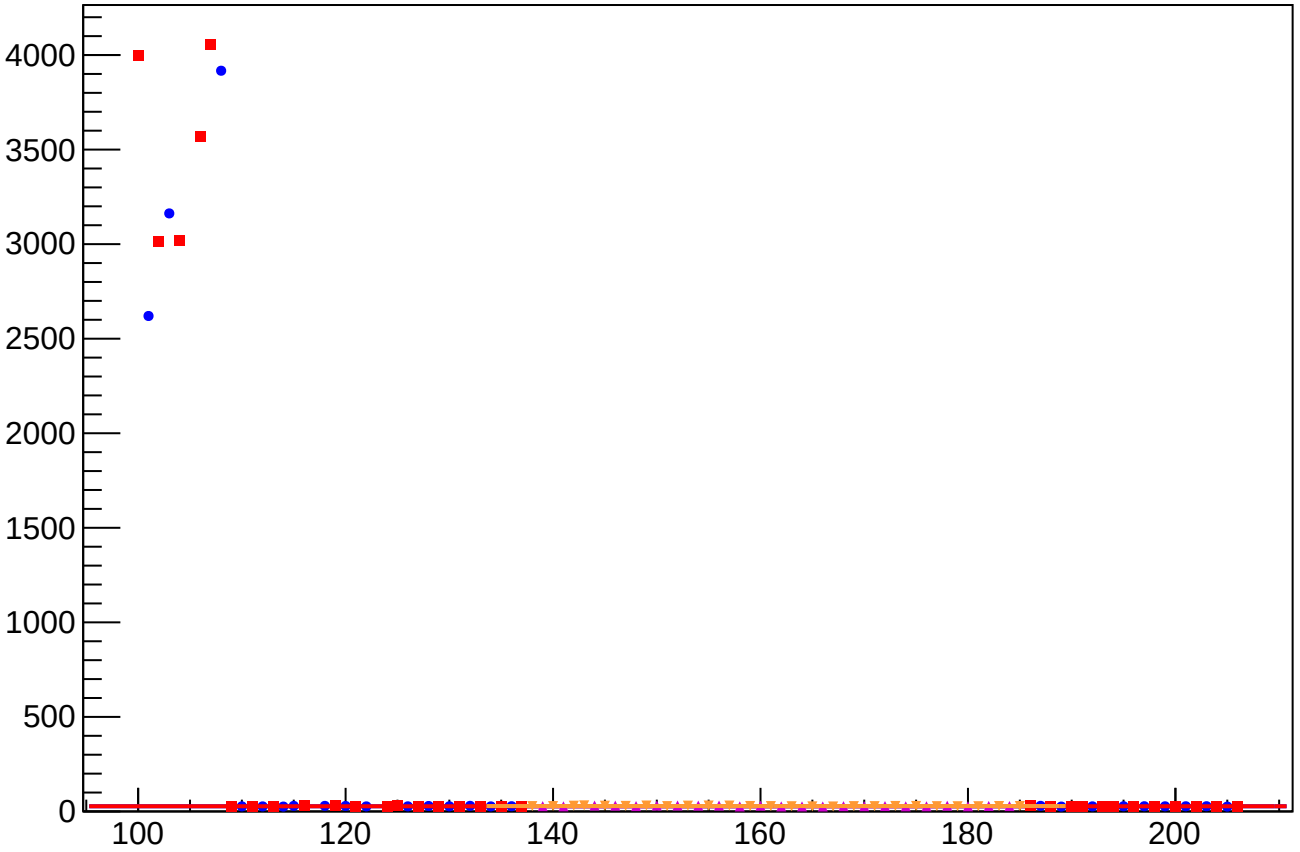
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -6.177+/-5.002 χ^2/NDF: 40.9/49

All: -6.660+/-3.512 χ^2/NDF: 94.8/103

- sign -7.130+/-4.931 χ^2/NDF: 53.8/53

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs Slug



Right In: 27.376+/-0.005 χ^2/NDF: 3283296.9/24

Left Out: 28.707+/-0.005 χ^2/NDF:98865.9/24

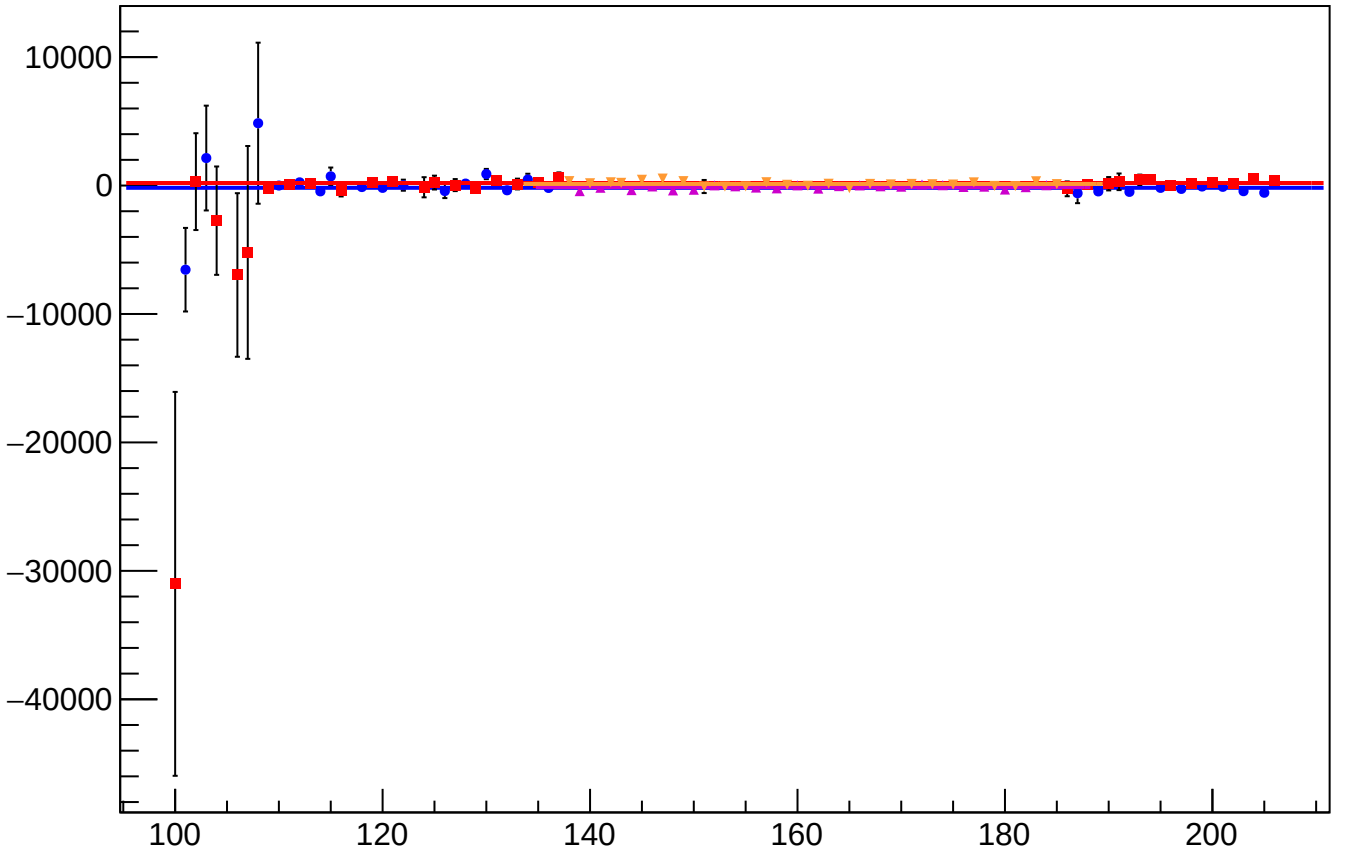
Right Out: 27.452+/-0.005 χ^2/NDF: 3583729.5/30

Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.155+/-0.004 χ^2/NDF: 3416572.9/49

All: 28.145+/-0.002 χ^2/NDF: 7160965.3/103

\- sign 28.137+/-0.003 χ^2/NDF: 3744379.4/53



Right In: -175.743+/-51.712 χ^2/NDF: 32.0/24

Left Out: 122.864+/-47.300 χ^2/NDF:11.3/24

Right Out: 197.526+/-48.495 χ^2/NDF: 23.3/30

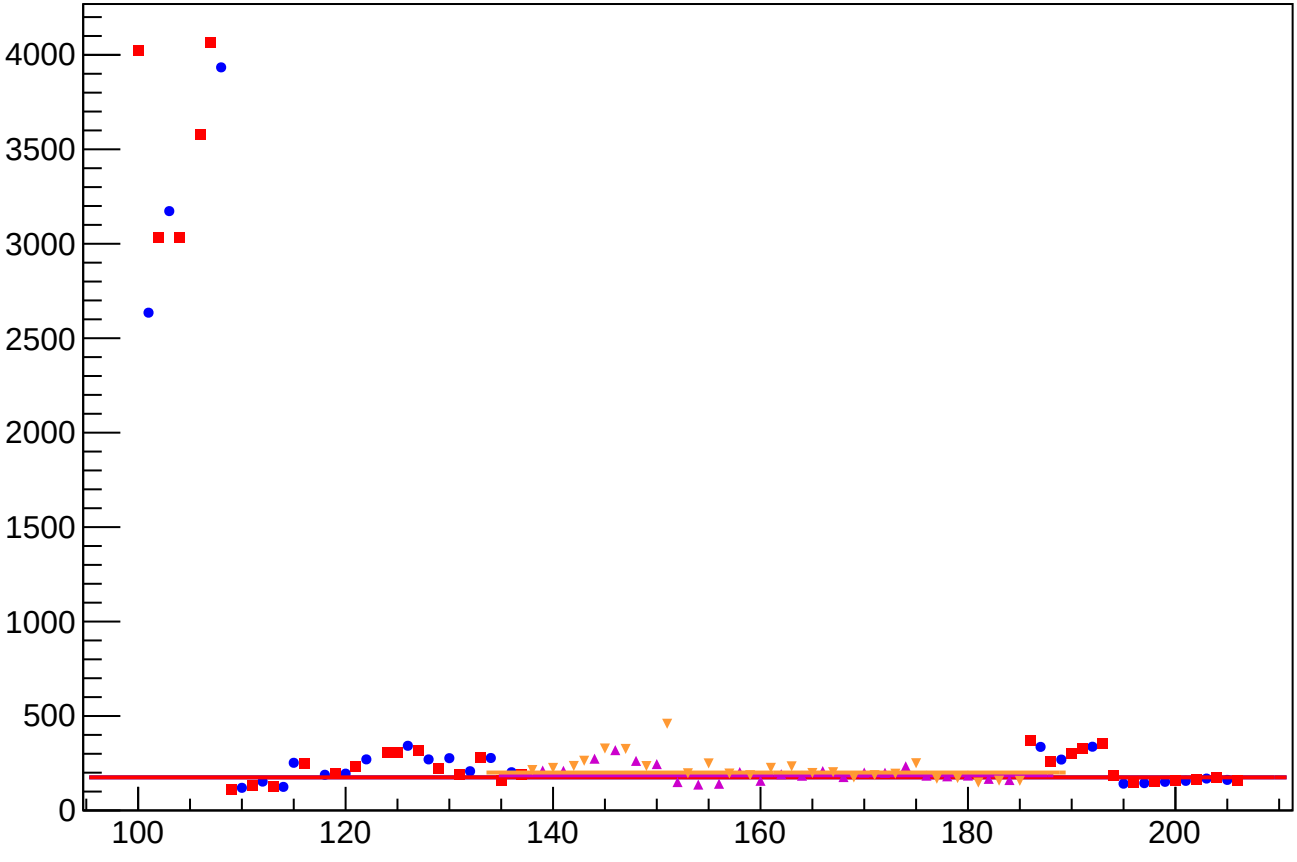
Left In: -123.046+/-45.269 χ^2/NDF:8.5/22

+ sign -13.158+/-34.902 χ^2/NDF: 61.5/49

All: 7.581+/-24.014 χ^2/NDF: 117.3/103

- sign 26.225+/-33.092 χ^2/NDF: 55.1/53

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs Slug



Right In: 175.267+/-0.037 χ^2/NDF: 4796516.5/24

Left Out: 200.686+/-0.033 χ^2/NDF:1880083.2/24

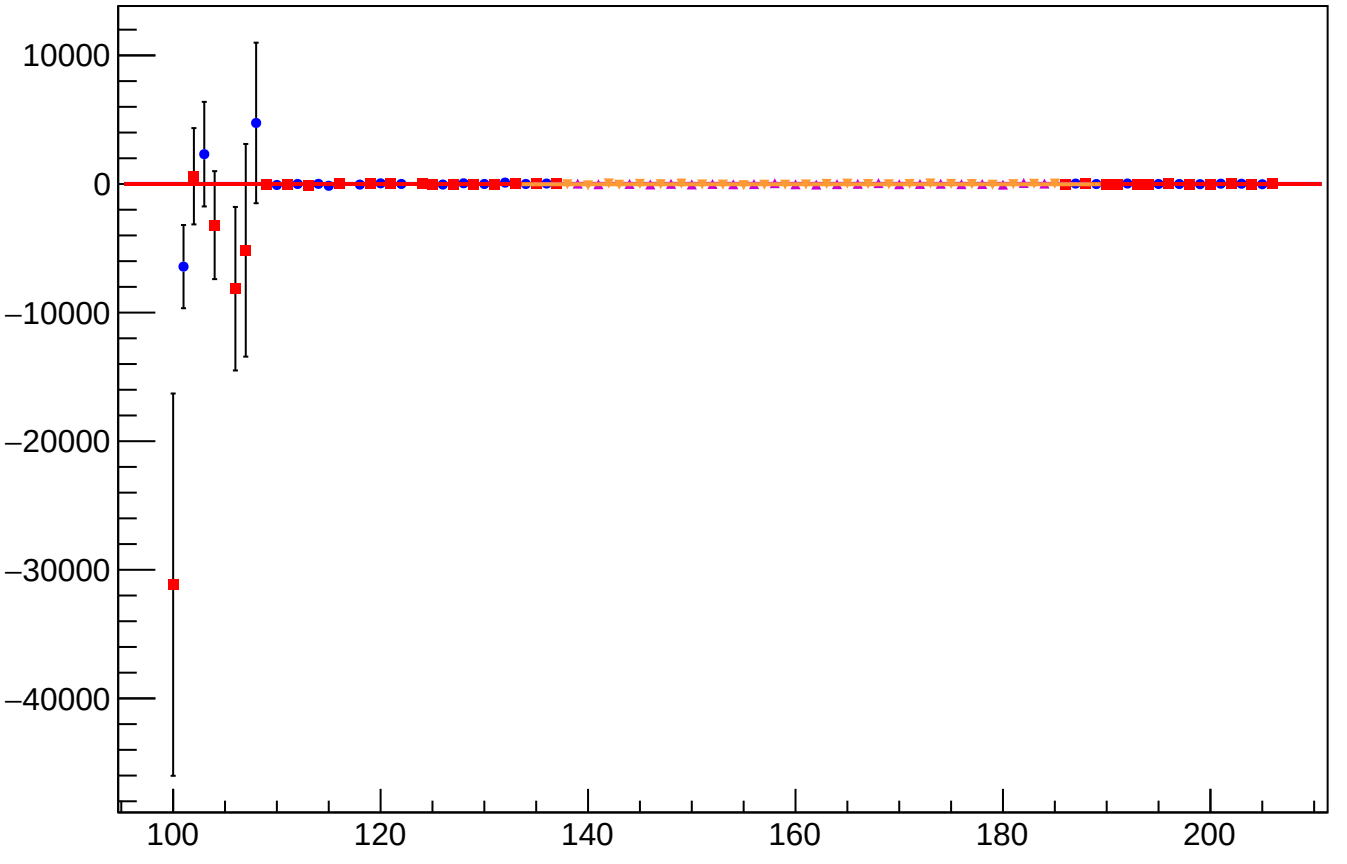
Right Out: 175.208+/-0.034 χ^2/NDF: 5465094.6/30

Left In: 186.169+/-0.032 χ^2/NDF:1413387.1/22

+ sign 189.107+/-0.025 χ^2/NDF: 6939698.4/49

All: 184.872+/-0.017 χ^2/NDF: 13928690.4/10

- sign 181.065+/-0.023 χ^2/NDF: 6933077.6/53



Right In: 6.227+/-9.469 χ^2/NDF: 19.7/24

Left Out: -21.228+/-7.835 χ^2/NDF:22.9/24

Right Out: -0.816+/-8.829 χ^2/NDF: 33.6/30

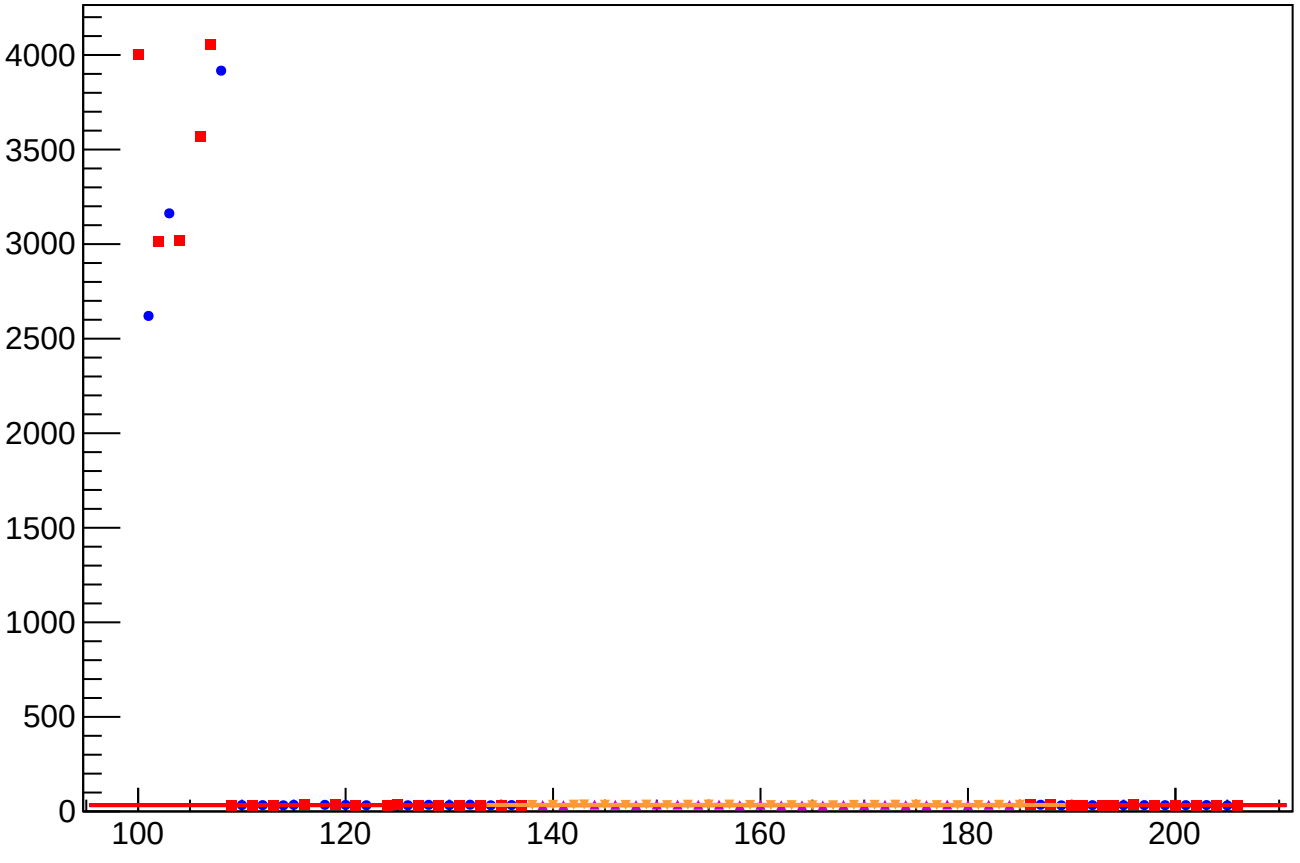
Left In: 4.029+/-8.083 χ^2/NDF:18.9/22

+ sign -10.070+/-6.037 χ^2/NDF: 47.6/49

All: -4.051+/-4.242 χ^2/NDF: 102.3/103

- sign 1.820+/-5.962 χ^2/NDF: 52.7/53

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs Slug



Right In: 33.436+/-0.007 χ^2/NDF: 3254511.2/24

Left Out: 34.439+/-0.006 χ^2/NDF:44686.3/24

Right Out: 33.505+/-0.006 χ^2/NDF: 3542877.1/30

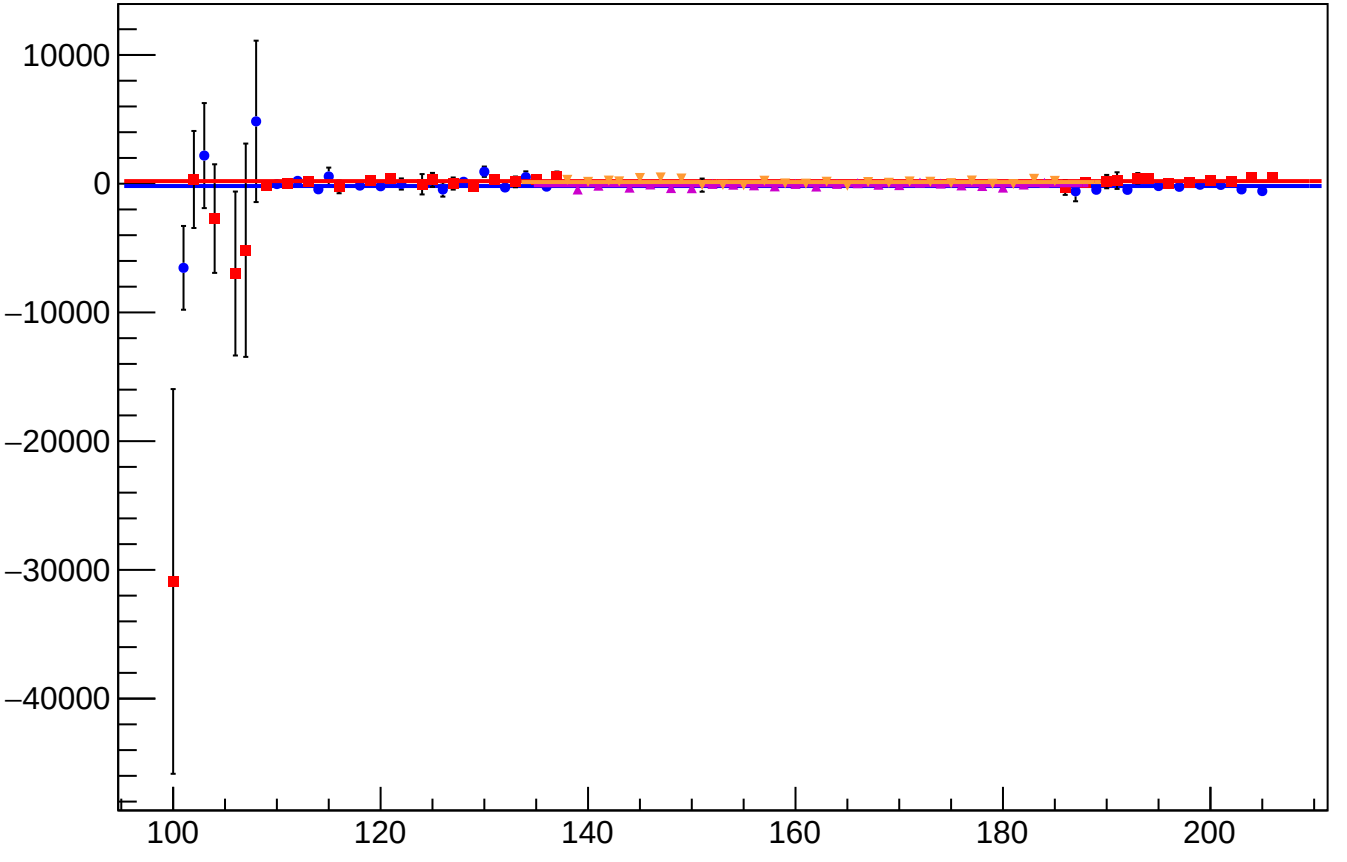
Left In: 34.552+/-0.006 χ^2/NDF:59280.9/22

+ sign 34.031+/-0.004 χ^2/NDF: 3312515.0/49

All: 34.053+/-0.003 χ^2/NDF: 6930017.9/103

- sign 34.075+/-0.004 χ^2/NDF: 3617449.8/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs Slug



Right In: -181.898+/-51.555 χ^2/NDF: 31.5/24

Left Out: 127.689+/-47.228 χ^2/NDF:11.6/24

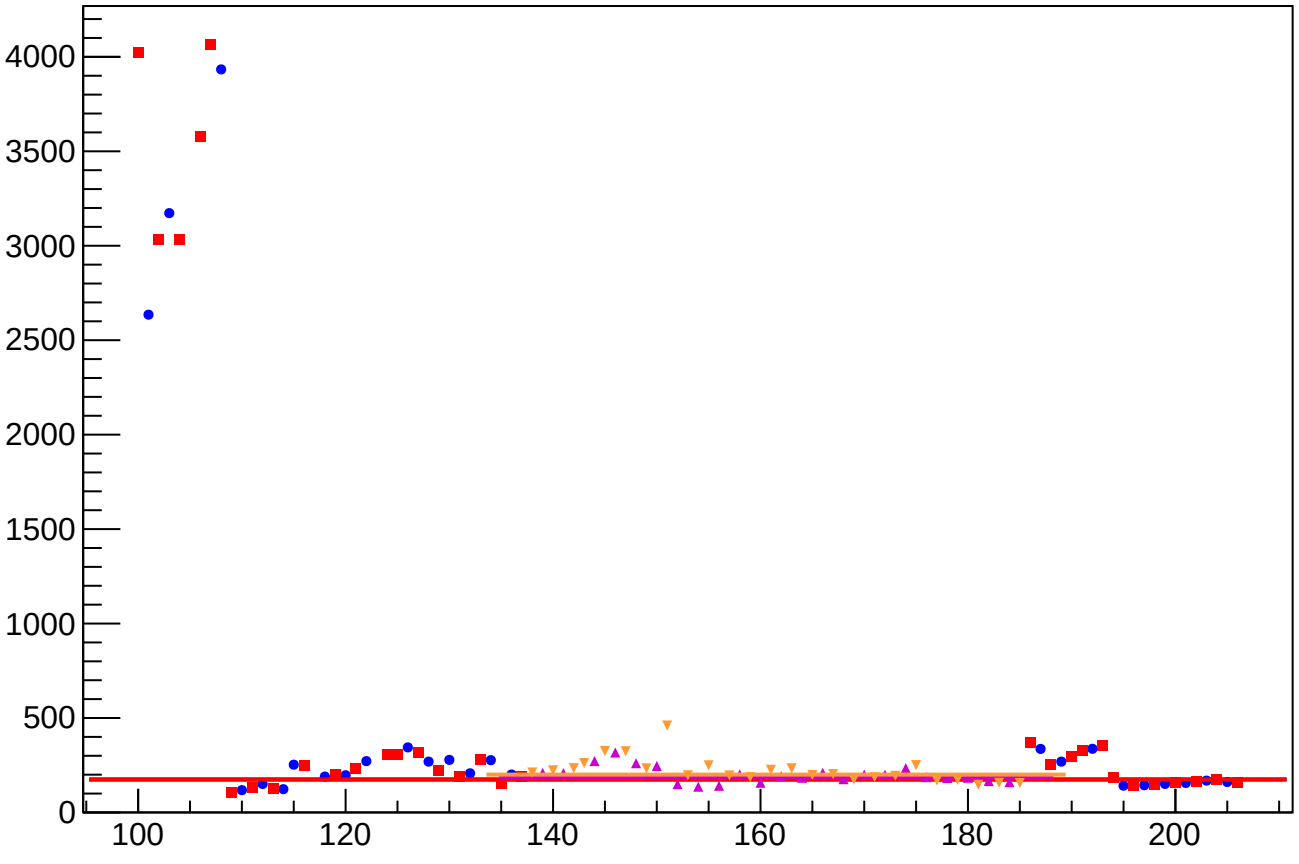
Right Out: 201.313+/-48.312 χ^2/NDF: 23.1/30

Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -13.568+/-34.825 χ^2/NDF: 62.8/49

All: 8.578+/-23.956 χ^2/NDF: 118.7/103

- sign 28.472+/-33.006 χ^2/NDF: 55.1/53



Right In: 174.617+/-0.036 χ^2/NDF: 4825366.6/24

Left Out: 200.372+/-0.033 χ^2/NDF:1876533.6/24

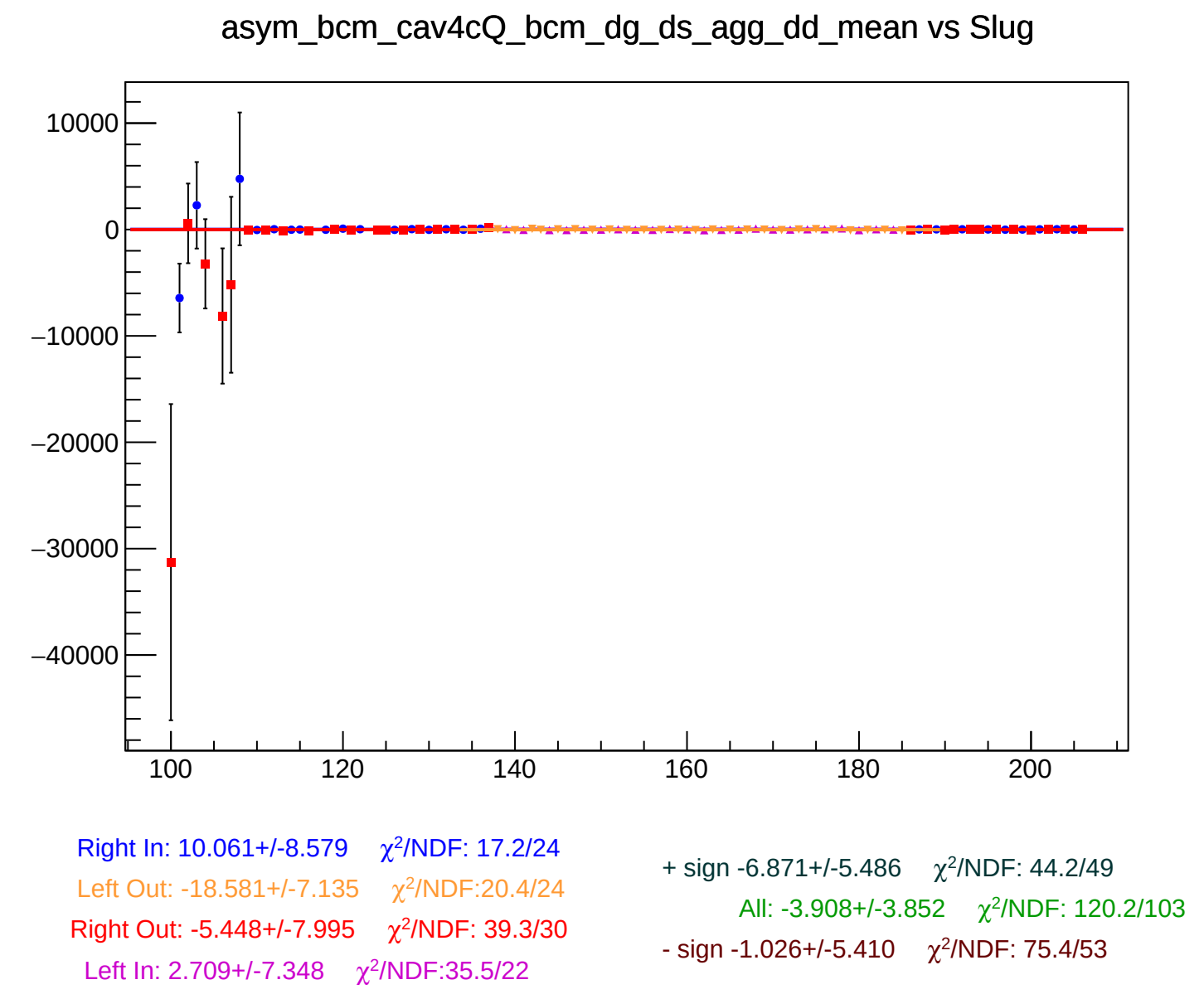
Right Out: 174.372+/-0.034 χ^2/NDF: 5516664.3/30

Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

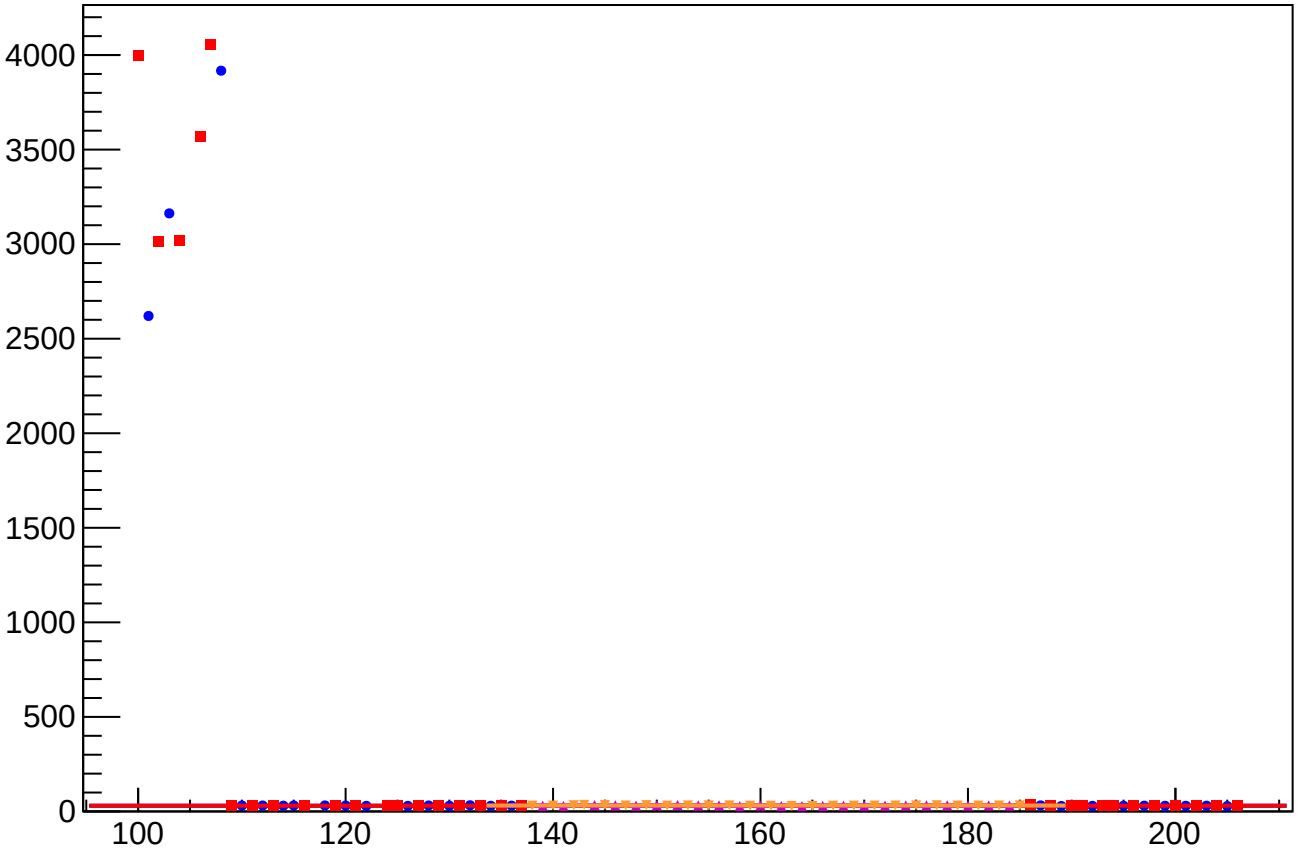
+ sign 188.621+/-0.025 χ^2/NDF: 6973279.0/49

All: 184.345+/-0.017 χ^2/NDF: 14013119.2/10

- sign 180.504+/-0.023 χ^2/NDF: 6982610.4/53


asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs Slug
10000
0
−10000
−20000
−30000
−40000
100
120
140
160
180
200
Right In: 10.061+/-8.579 χ²/NDF: 17.2/24
Left Out: -18.581+/-7.135 χ²/NDF:20.4/24
Right Out: -5.448+/-7.995 χ²/NDF: 39.3/30
Left In: 2.709+/-7.348 χ²/NDF:35.5/22
+ sign -6.871+/-5.486 χ²/NDF: 44.2/49
All: -3.908+/-3.852 χ²/NDF: 120.2/103
- sign -1.026+/-5.410 χ²/NDF: 75.4/53

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs Slug



Right In: 30.272+/-0.006 χ^2/NDF: 3271780.6/24

Left Out: 31.340+/-0.005 χ^2/NDF:63017.9/24

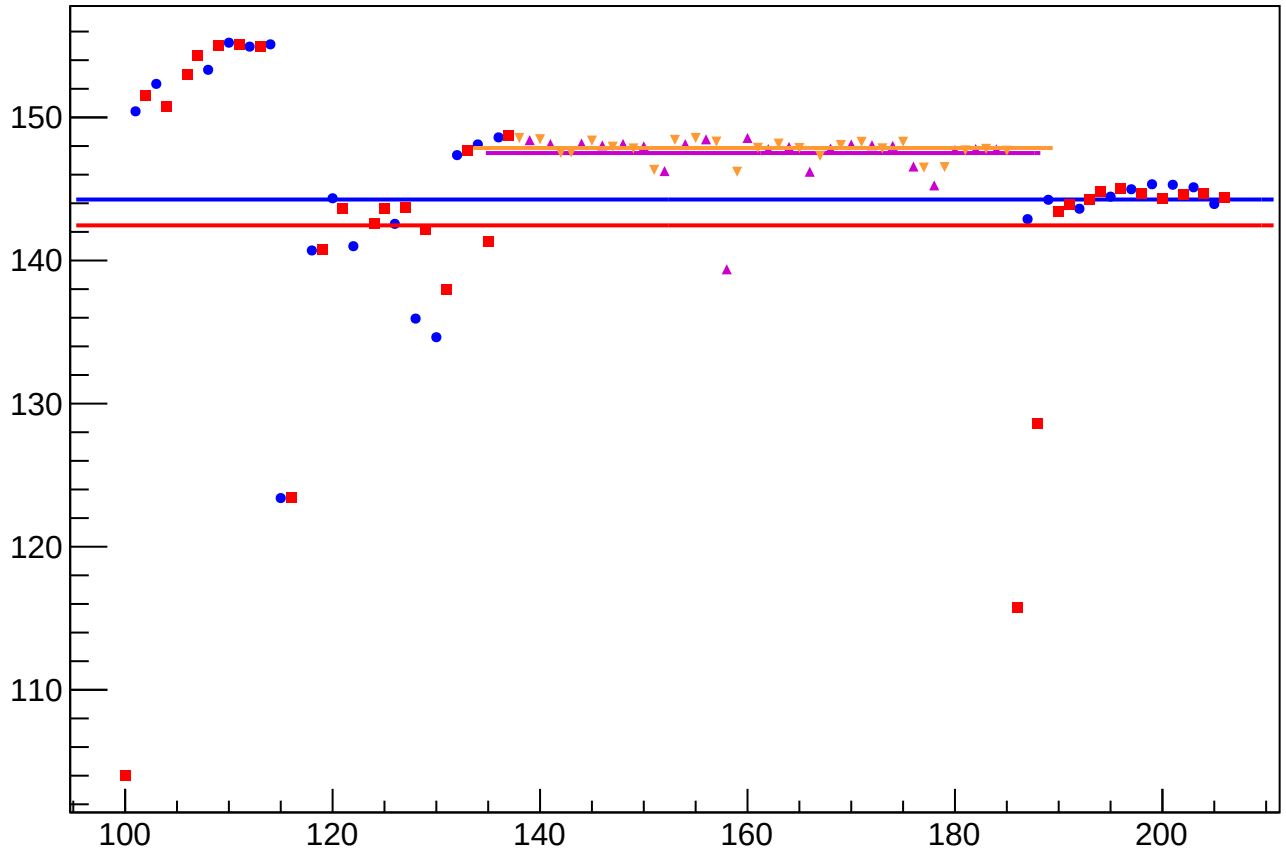
Right Out: 30.315+/-0.006 χ^2/NDF: 3561584.2/30

Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.903+/-0.004 χ^2/NDF: 3353123.9/49

All: 30.897+/-0.003 χ^2/NDF: 7019168.4/103

- sign 30.892+/-0.004 χ^2/NDF: 3666040.2/53



Right In: 144.263+/-0.000 χ^2/NDF: 3738291854.7/24

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.456+/-0.000 χ^2/NDF: 7547771240.1/30

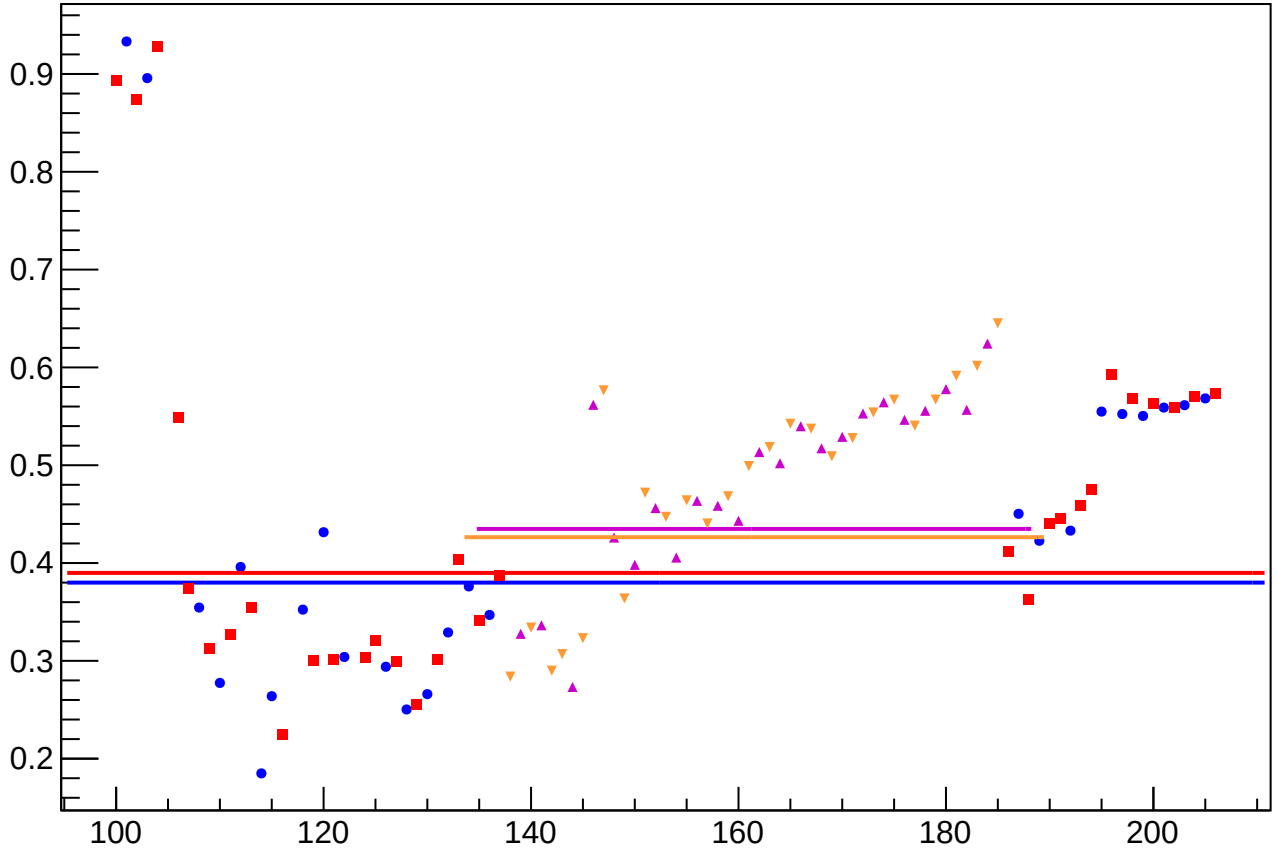
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.221+/-0.000 χ^2/NDF: 4357214700.5/49

All: 145.578+/-0.000 χ^2/NDF: 13515422680.

- sign 144.944+/-0.000 χ^2/NDF: 9011604322.8/53

yield_bcm_target_rms vs Slug



Right In: 0.380+/-0.000 χ^2/NDF: 2818905.5/24

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

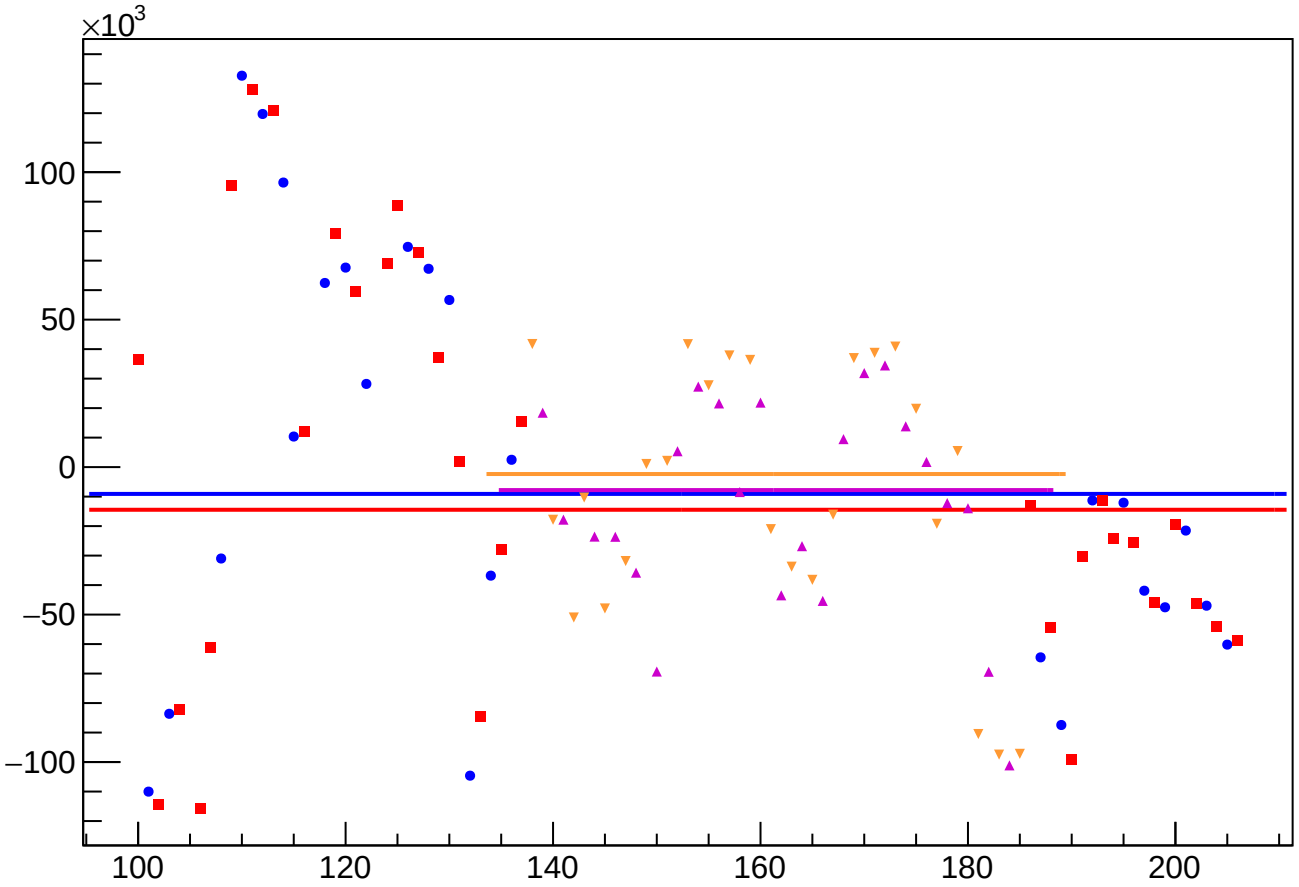
Right Out: 0.390+/-0.000 χ^2/NDF: 2886388.6/30

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.405+/-0.000 χ^2/NDF: 5268939.6/49

All: 0.409+/-0.000 χ^2/NDF: 10121677.4/103

- sign 0.412+/-0.000 χ^2/NDF: 4844406.4/53



Right In: -9086.981+/-1.457 χ^2/NDF: 1891195378.5/24

Left Out: -2344.855+/-1.123 χ^2/NDF:1230029339.6/24

Right Out: -14461.416+/-1.319 χ^2/NDF: 2387809233.8/30

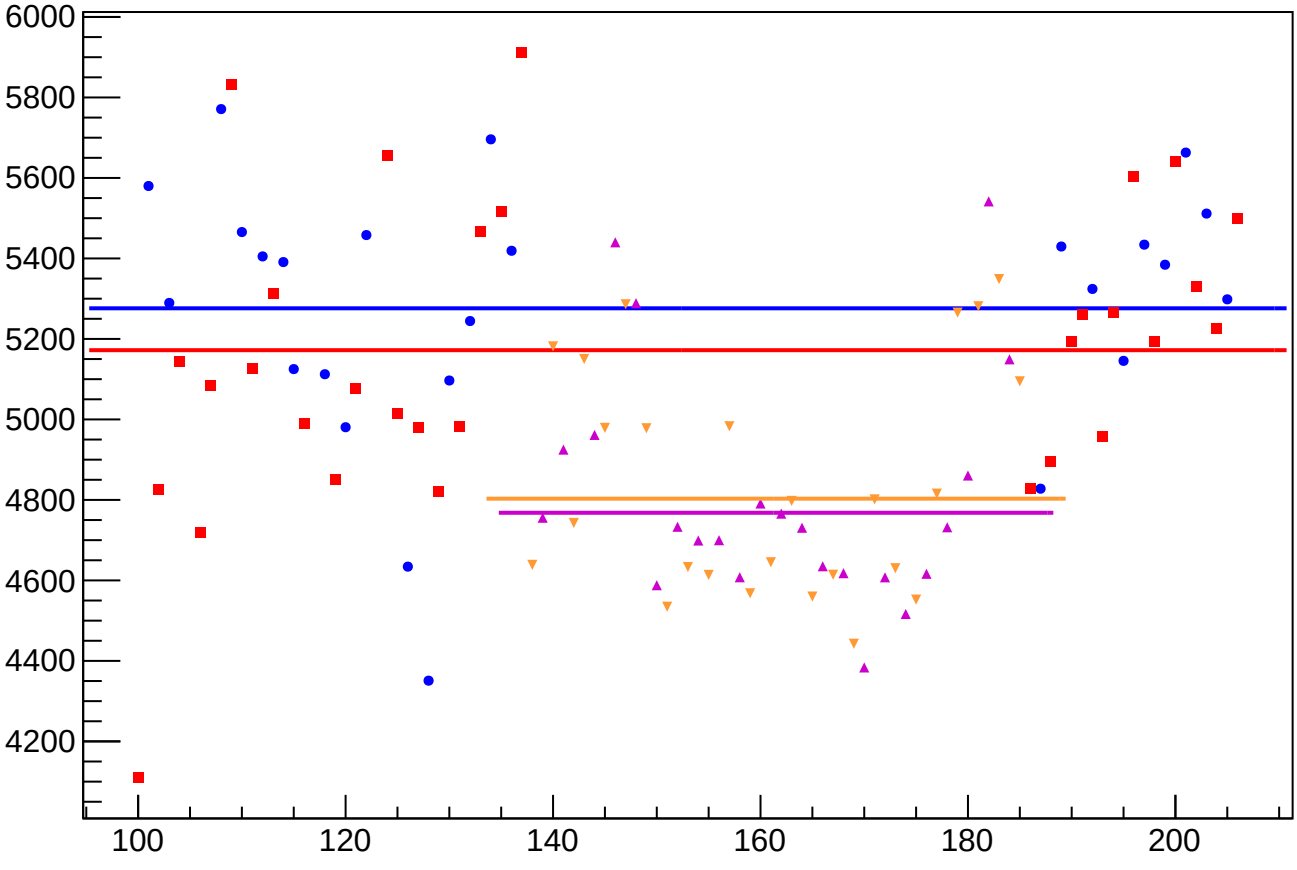
Left In: -7787.808+/-1.145 χ^2/NDF:762496621.5/22

+ sign -4857.409+/-0.890 χ^2/NDF: 3134650860.8/4

All: -7838.650+/-0.620 χ^2/NDF: 6321389106

- sign -10653.773+/-0.865 χ^2/NDF: 3164906307.9/5

yield_bcm_an_diff_rms vs Slug



Right In: 5276.098+/-1.031 χ^2/NDF: 97397.9/24

Left Out: 4803.136+/-0.794 χ^2/NDF:114681.5/24

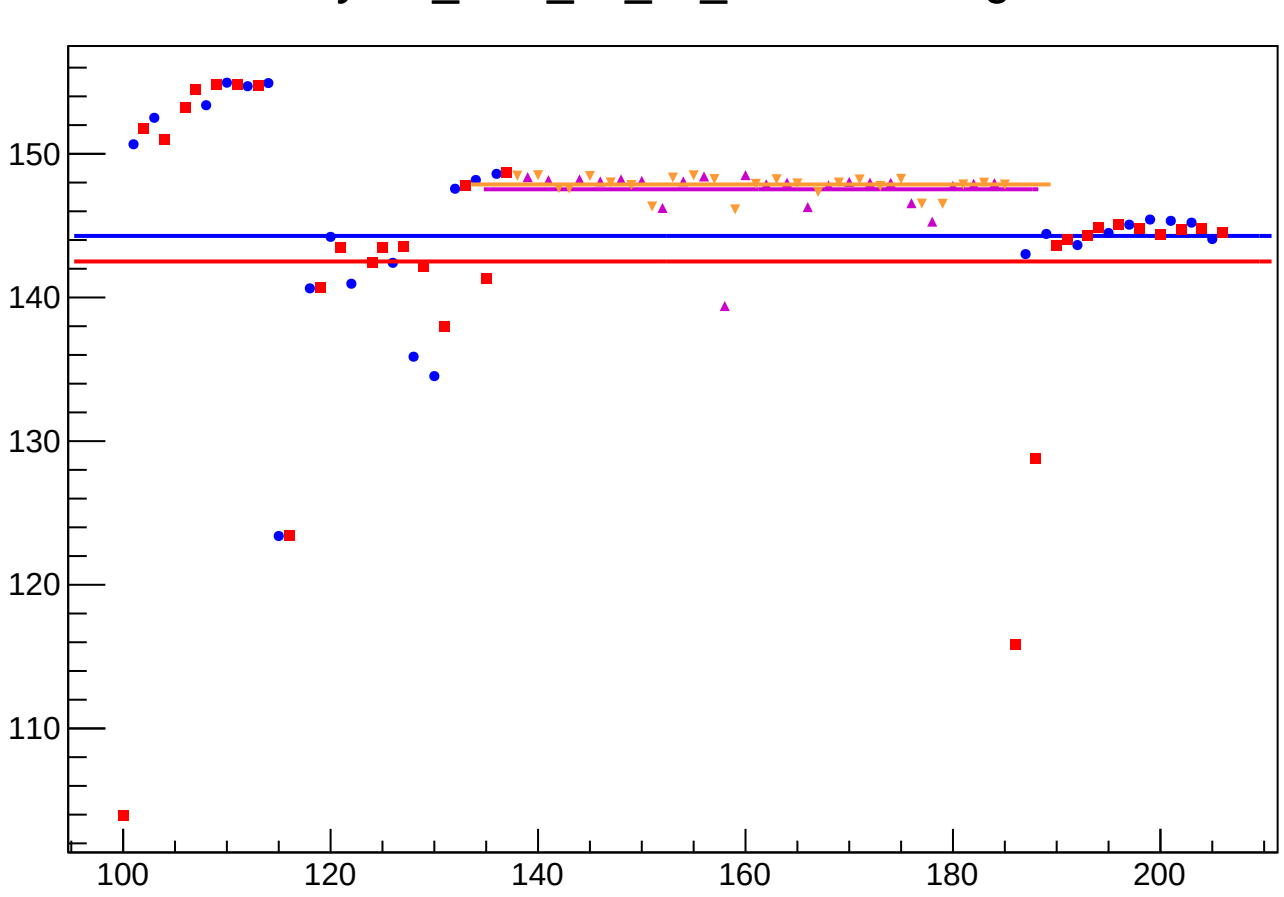
Right Out: 5172.022+/-0.933 χ^2/NDF: 104202.5/30

Left In: 4768.055+/-0.809 χ^2/NDF:102355.5/22

+ sign 4979.393+/-0.629 χ^2/NDF: 344221.1/49

All: 4959.923+/-0.438 χ^2/NDF: 659636.9/103

- sign 4941.538+/-0.611 χ^2/NDF: 313553.5/53



Right In: 144.285+/-0.000 χ^2/NDF: 3779630086.3/24

Left Out: 147.870+/-0.000 χ^2/NDF:44483332.4/24

Right Out: 142.507+/-0.000 χ^2/NDF: 7523816319.2/30

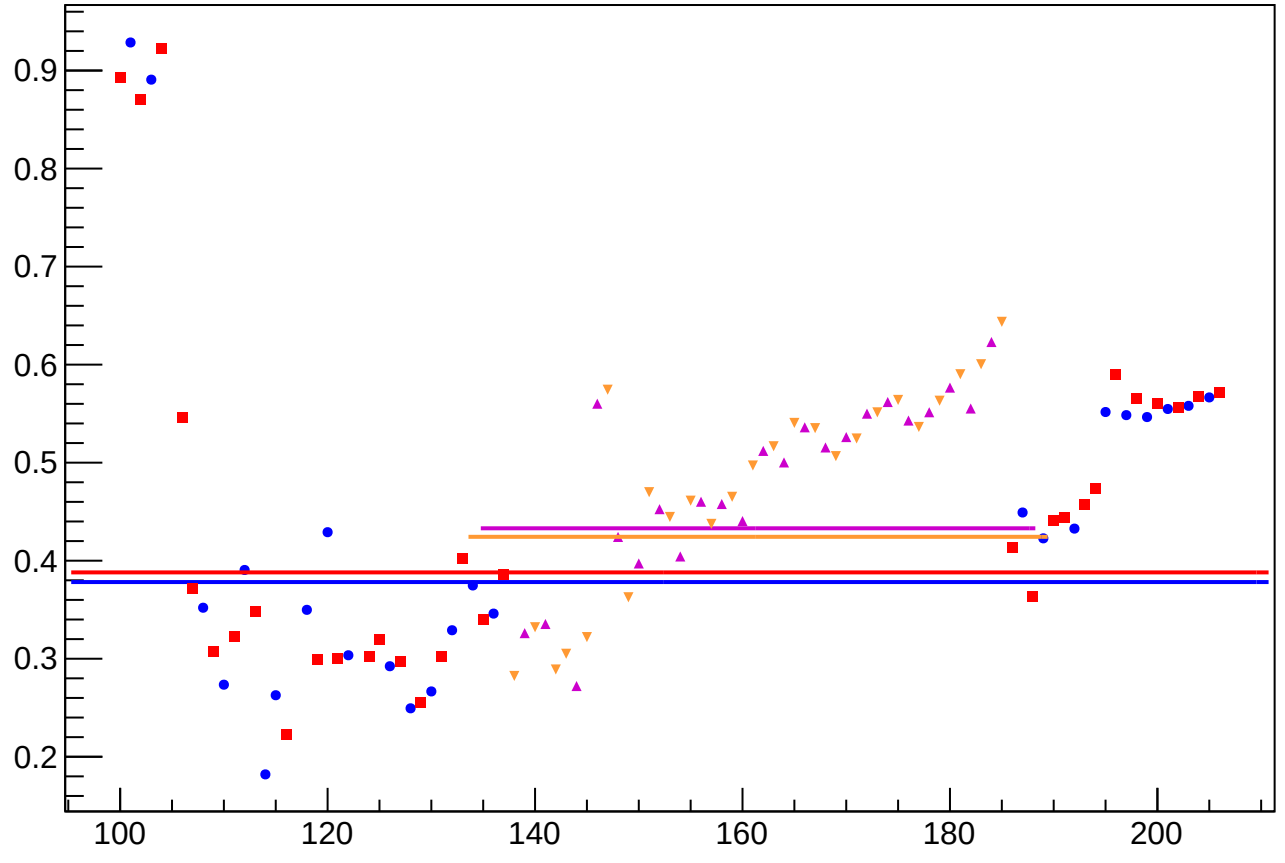
Left In: 147.532+/-0.000 χ^2/NDF:307143604.6/22

+ sign 146.234+/-0.000 χ^2/NDF: 4398443281.0/49

All: 145.603+/-0.000 χ^2/NDF: 13525459686.

- sign 144.980+/-0.000 χ^2/NDF: 8984221008.7/53

yield_bcm_an_ds_rms vs Slug



Right In: 0.378+/-0.000 χ^2/NDF: 2817256.1/24

Left Out: 0.424+/-0.000 χ^2/NDF:2260723.7/24

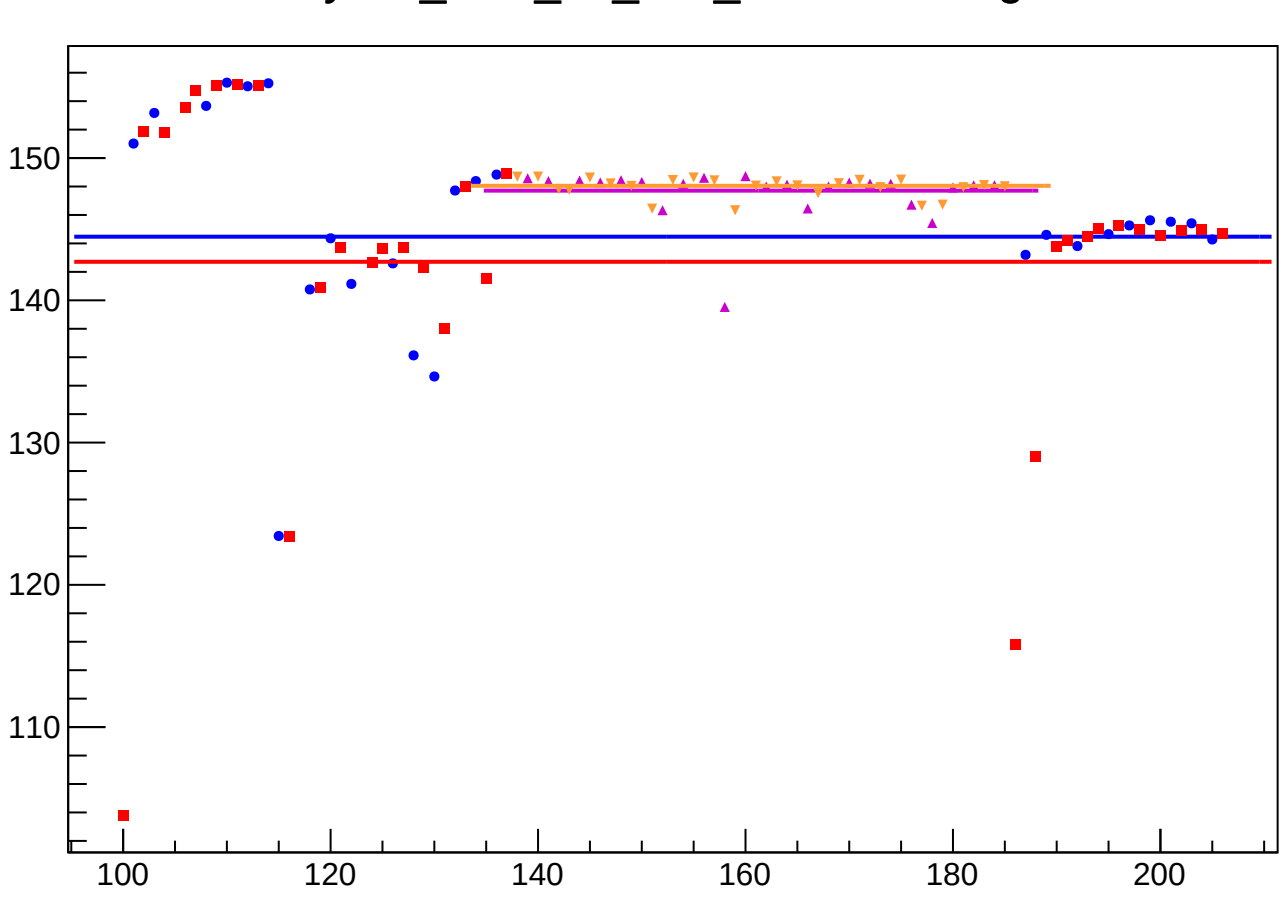
Right Out: 0.388+/-0.000 χ^2/NDF: 2894155.2/30

Left In: 0.433+/-0.000 χ^2/NDF:1771141.8/22

+ sign 0.403+/-0.000 χ^2/NDF: 5268371.0/49

All: 0.407+/-0.000 χ^2/NDF: 10127214.8/103

- sign 0.410+/-0.000 χ^2/NDF: 4850213.8/53



Right In: 144.473+/-0.000 χ^2/NDF: 3773529976.0/24

Left Out: 148.049+/-0.000 χ^2/NDF:44901895.1/24

Right Out: 142.708+/-0.000 χ^2/NDF: 7458493279.0/30

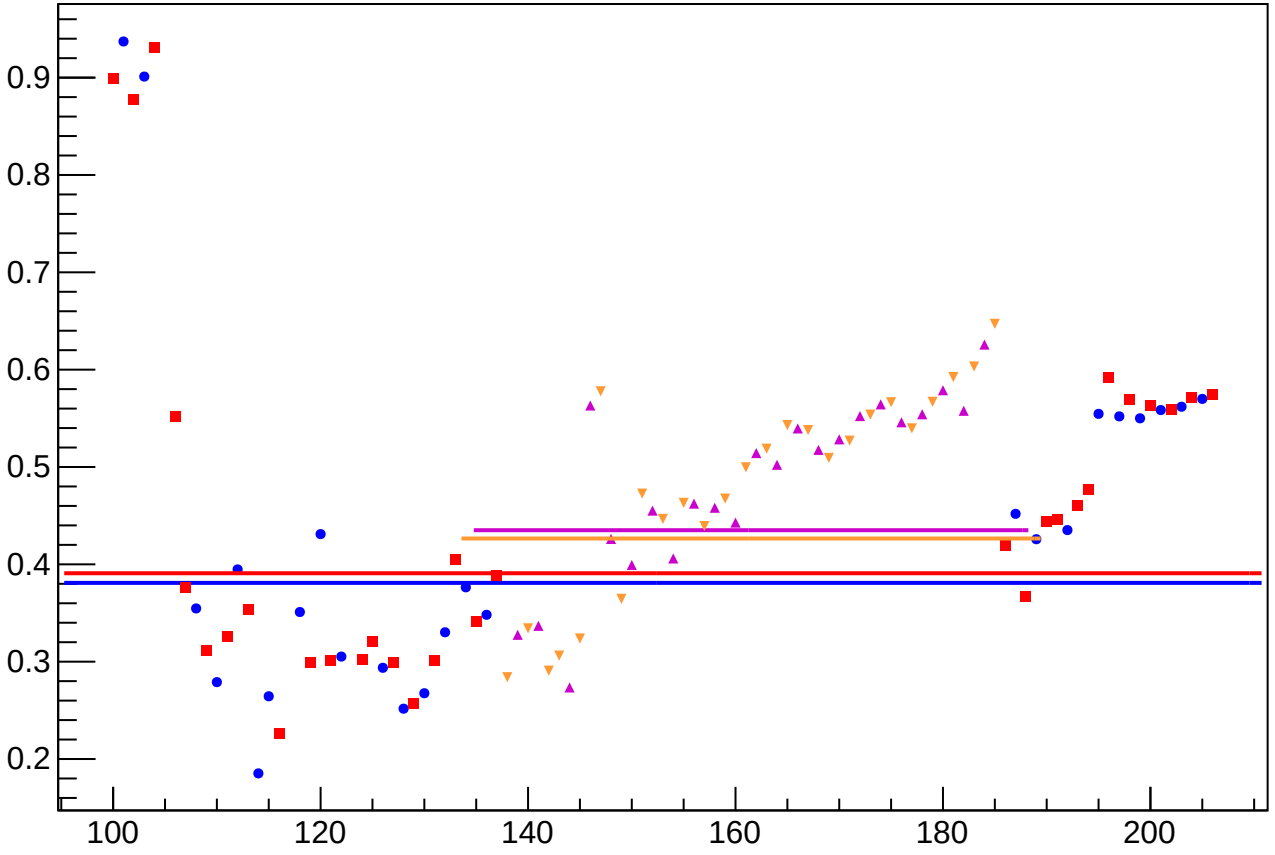
Left In: 147.710+/-0.000 χ^2/NDF:311841433.9/22

+ sign 146.421+/-0.000 χ^2/NDF: 4383202903.9/49

All: 145.794+/-0.000 χ^2/NDF: 13422426166.

- sign 145.176+/-0.000 χ^2/NDF: 8900205104.2/53

yield_bcm_an_ds3_rms vs Slug



Right In: 0.381+/-0.000 χ^2/NDF: 2807456.9/24

Left Out: 0.427+/-0.000 χ^2/NDF:2257492.3/24

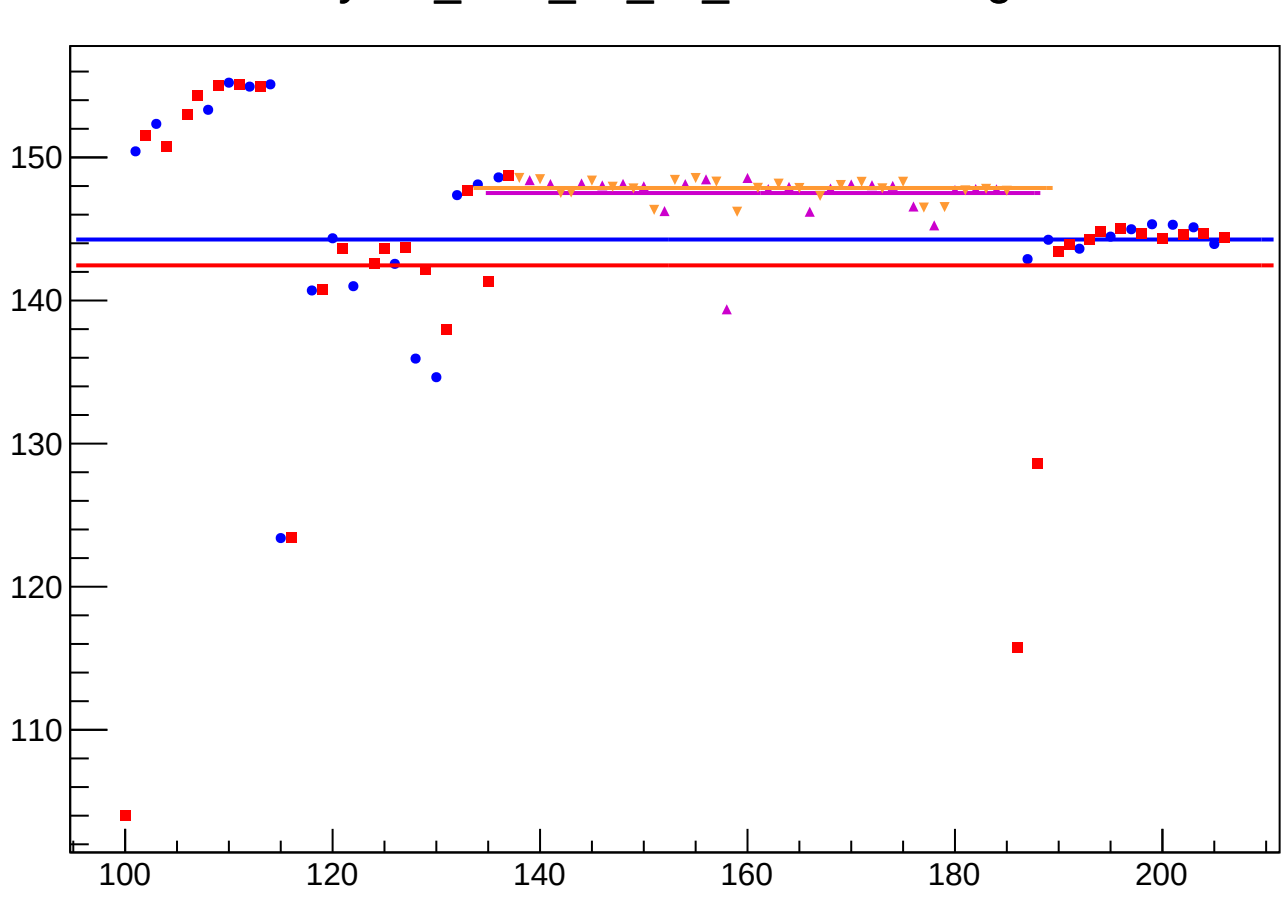
Right Out: 0.391+/-0.000 χ^2/NDF: 2888330.2/30

Left In: 0.435+/-0.000 χ^2/NDF:1769716.0/22

+ sign 0.406+/-0.000 χ^2/NDF: 5248598.3/49

All: 0.409+/-0.000 χ^2/NDF: 10091627.7/103

- sign 0.413+/-0.000 χ^2/NDF: 4834584.6/53



Right In: 144.263+/-0.000 χ^2/NDF: 3738291854.7/24

Left Out: 147.864+/-0.000 χ^2/NDF:44922014.2/24

Right Out: 142.456+/-0.000 χ^2/NDF: 7547771240.1/30

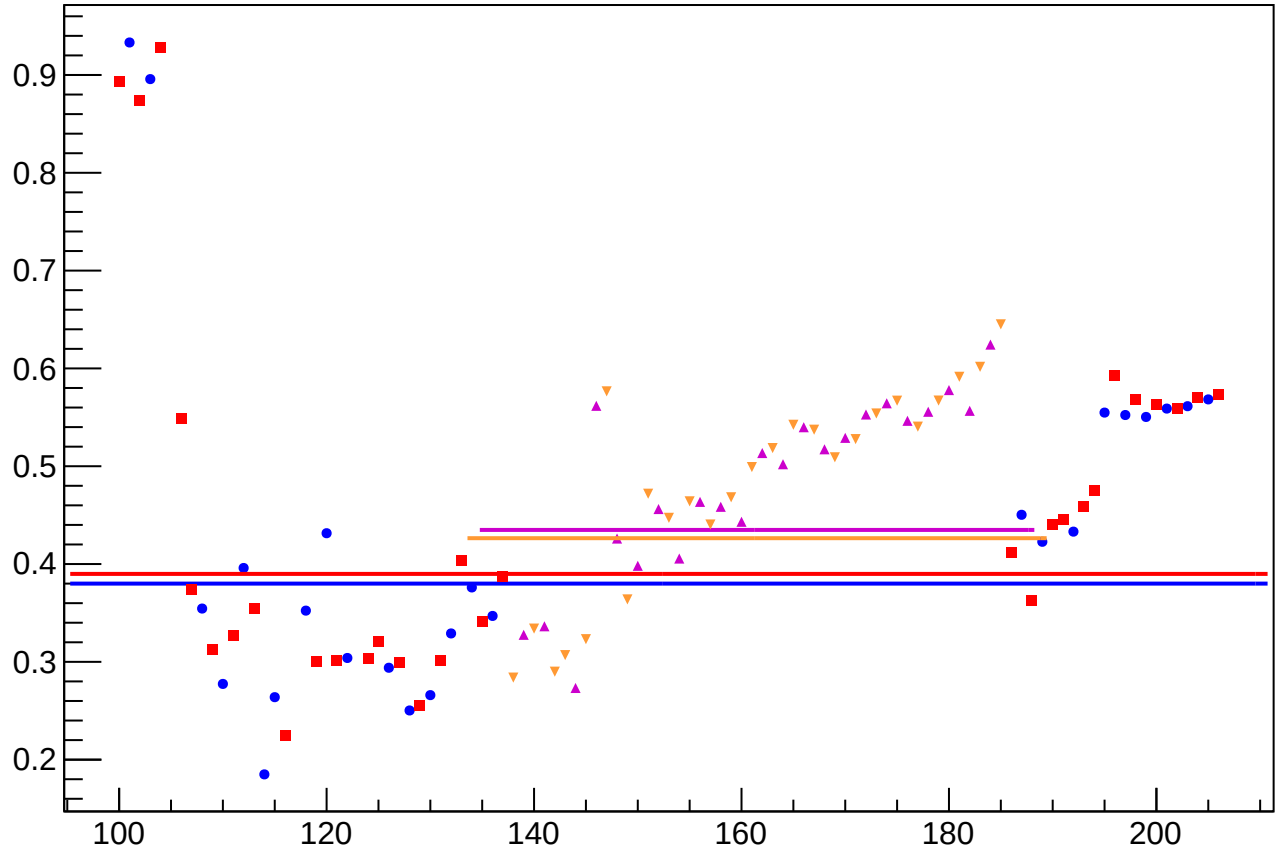
Left In: 147.511+/-0.000 χ^2/NDF:306421789.5/22

+ sign 146.221+/-0.000 χ^2/NDF: 4357214700.5/49

All: 145.578+/-0.000 χ^2/NDF: 13515422680.

- sign 144.944+/-0.000 χ^2/NDF: 9011604322.8/53

yield_bcm_an_us_rms vs Slug



Right In: 0.380+/-0.000 χ^2/NDF: 2818905.5/24

Left Out: 0.426+/-0.000 χ^2/NDF:2259192.5/24

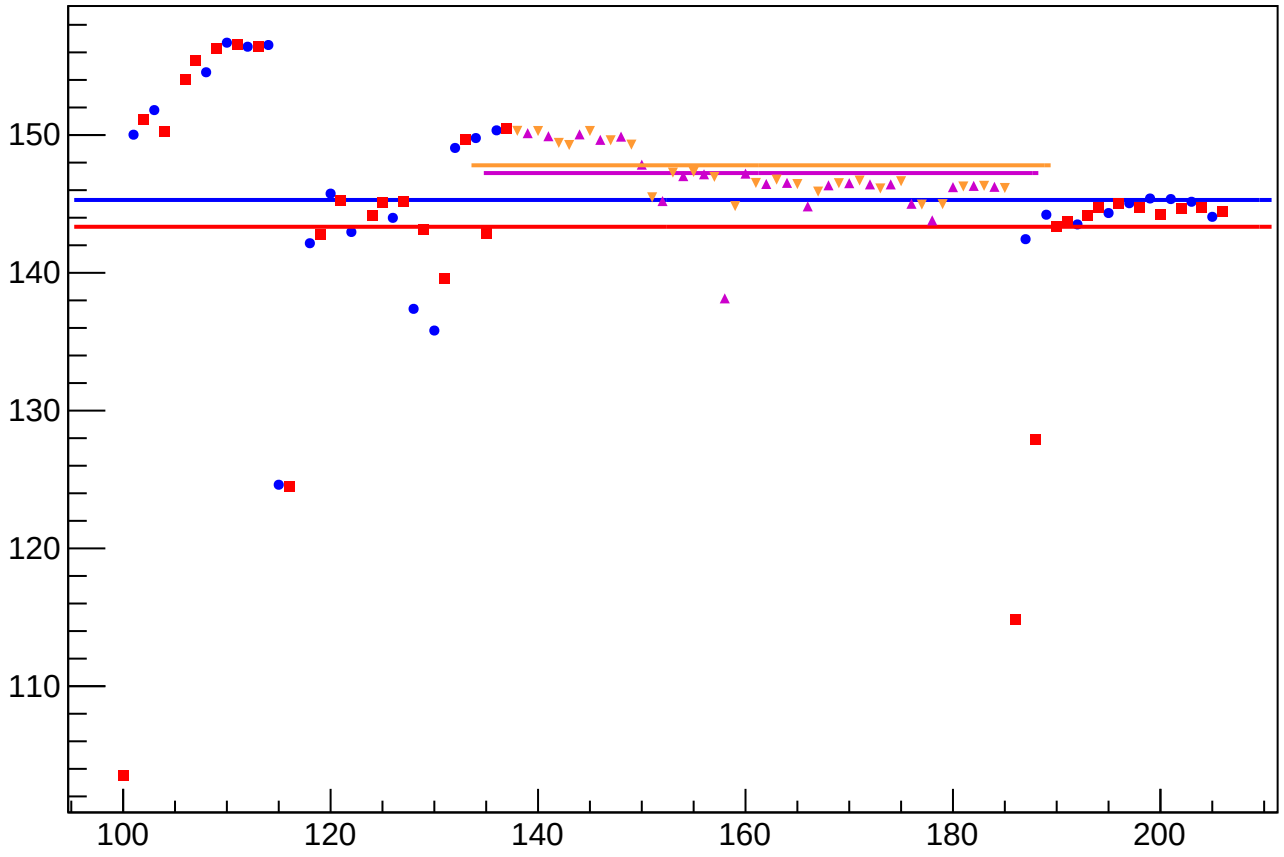
Right Out: 0.390+/-0.000 χ^2/NDF: 2886388.6/30

Left In: 0.435+/-0.000 χ^2/NDF:1774903.7/22

+ sign 0.405+/-0.000 χ^2/NDF: 5268939.6/49

All: 0.409+/-0.000 χ^2/NDF: 10121677.4/103

- sign 0.412+/-0.000 χ^2/NDF: 4844406.4/53



Right In: 145.289+/-0.000 χ^2/NDF: 3519102423.7/24

Left Out: 147.804+/-0.000 χ^2/NDF:327059704.2/24

Right Out: 143.343+/-0.000 χ^2/NDF: 7614555066.2/30

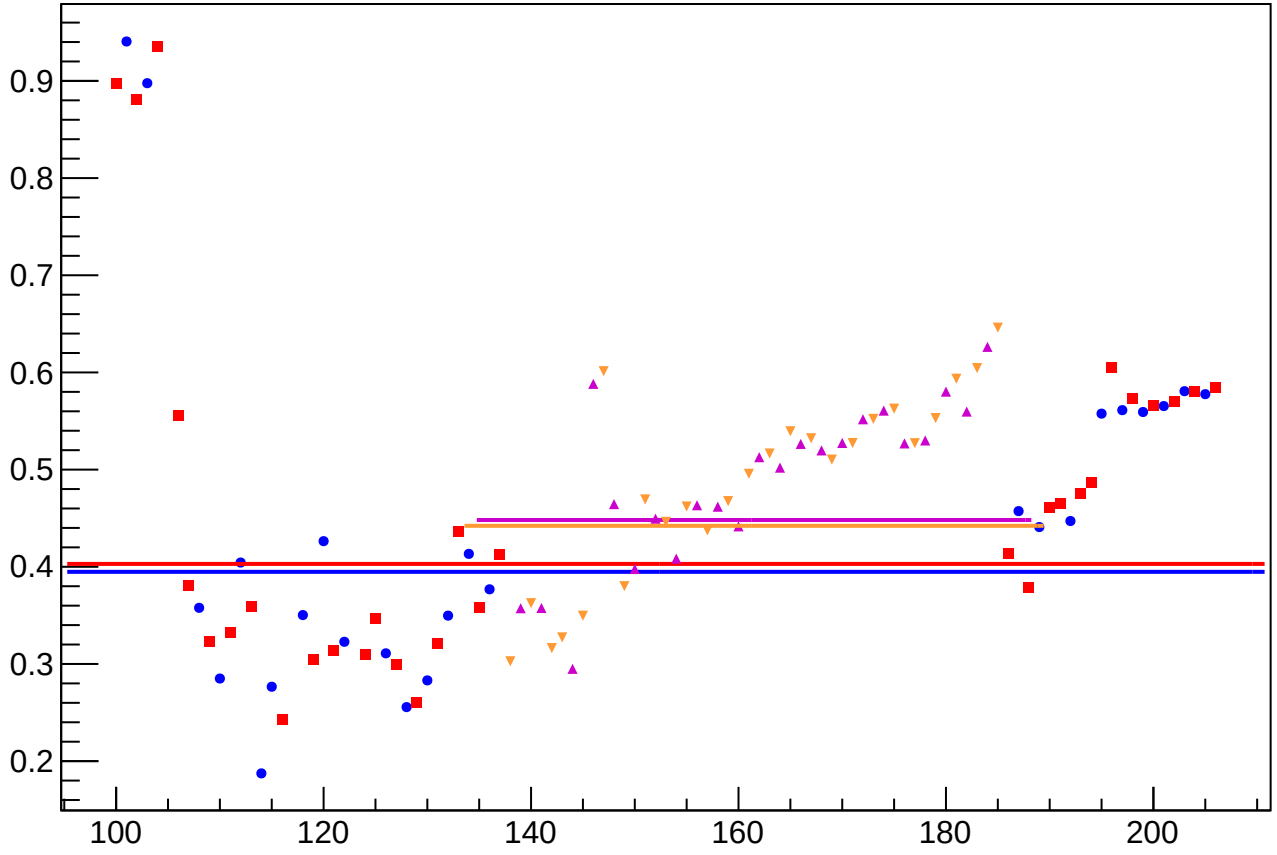
Left In: 147.241+/-0.000 χ^2/NDF:618679483.9/22

+ sign 146.665+/-0.000 χ^2/NDF: 4108194921.0/49

All: 145.963+/-0.000 χ^2/NDF: 13155212943.

- sign 145.277+/-0.000 χ^2/NDF: 8884063258.9/53

yield_bcm_dg_us_rms vs Slug



Right In: 0.395+/-0.000 χ^2/NDF: 2677506.8/24

Left Out: 0.442+/-0.000 χ^2/NDF:1704199.1/24

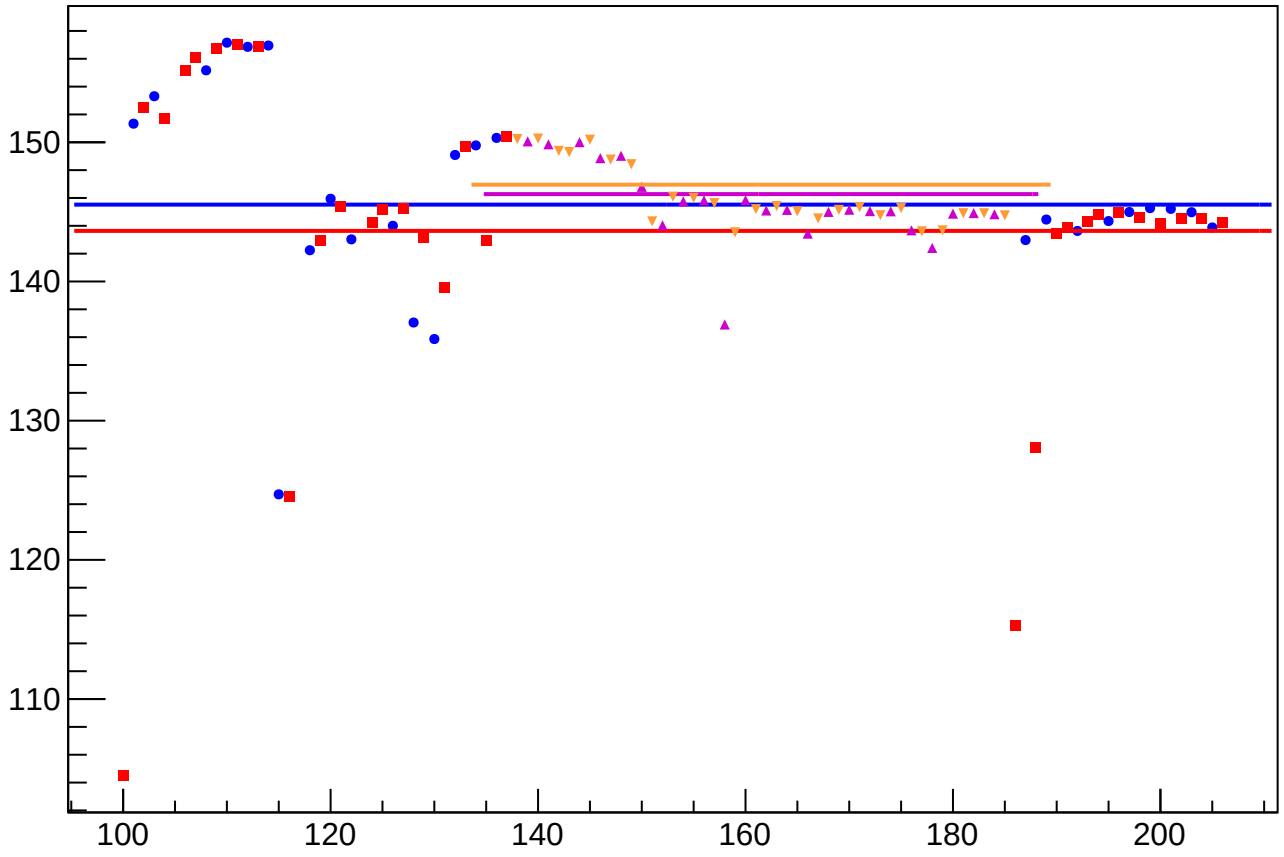
Right Out: 0.403+/-0.000 χ^2/NDF: 2755183.7/30

Left In: 0.448+/-0.000 χ^2/NDF:1347802.9/22

+ sign 0.421+/-0.000 χ^2/NDF: 4567445.5/49

All: 0.423+/-0.000 χ^2/NDF: 8848897.7/103

- sign 0.425+/-0.000 χ^2/NDF: 4277783.7/53



Right In: 145.522+/-0.000 χ^2/NDF: 3668940989.1/24

Left Out: 146.956+/-0.000 χ^2/NDF:542800379.5/24

Right Out: 143.635+/-0.000 χ^2/NDF: 7673791057.2/30

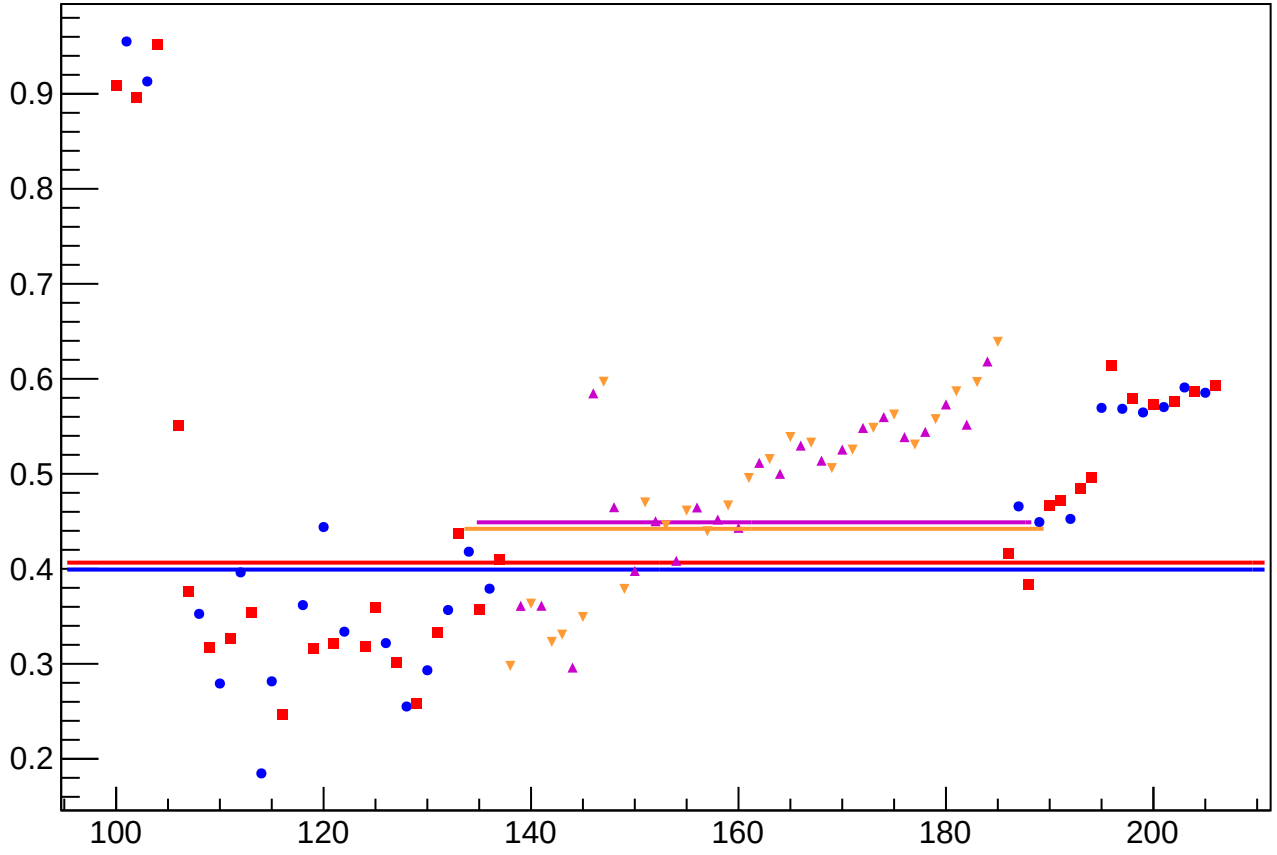
Left In: 146.278+/-0.000 χ^2/NDF:825161532.5/22

+ sign 146.316+/-0.000 χ^2/NDF: 4295695790.5/49

All: 145.629+/-0.000 χ^2/NDF: 13244219489.

- sign 144.958+/-0.000 χ^2/NDF: 8794516481.0/53

yield_bcm_dg_ds_rms vs Slug



Right In: 0.399+/-0.000 χ^2/NDF: 2716668.2/24

Left Out: 0.442+/-0.000 χ^2/NDF:1676682.9/24

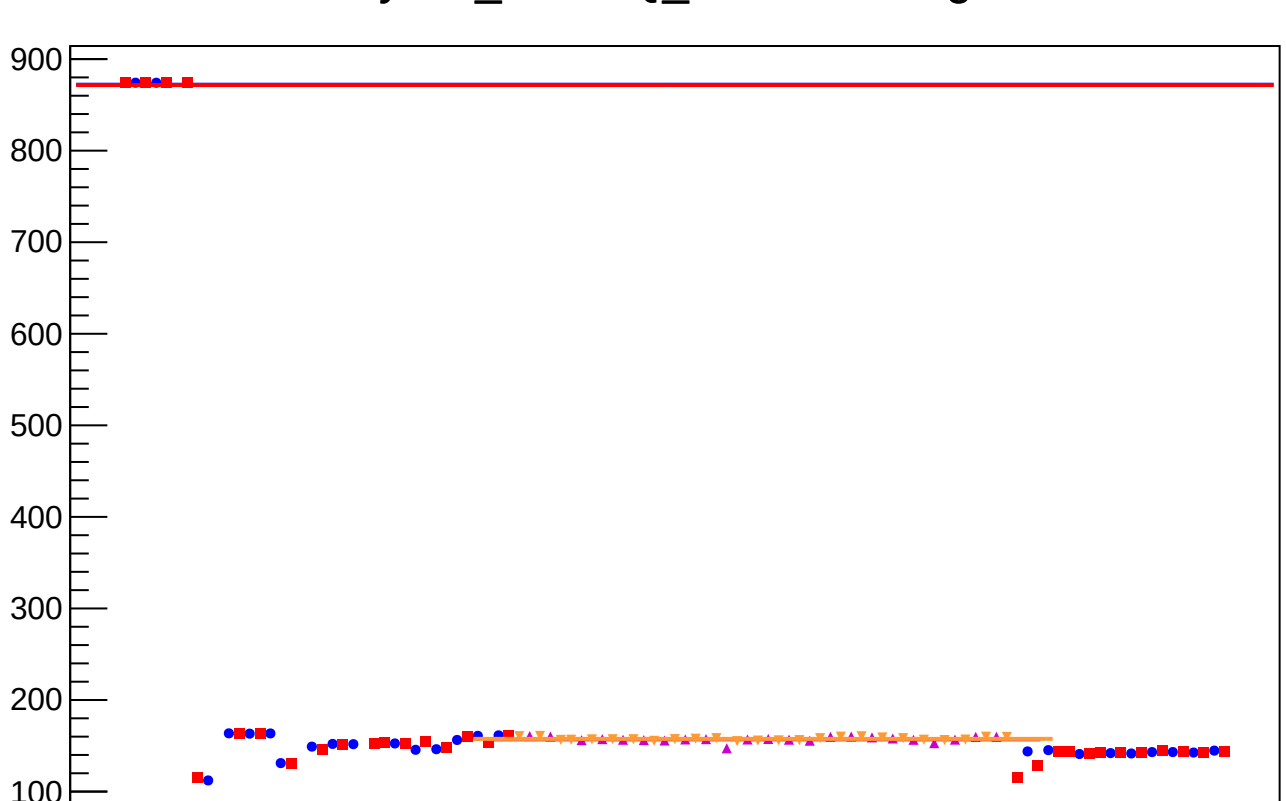
Right Out: 0.407+/-0.000 χ^2/NDF: 2783741.0/30

Left In: 0.449+/-0.000 χ^2/NDF:1300658.3/22

+ sign 0.423+/-0.000 χ^2/NDF: 4543700.5/49

All: 0.425+/-0.000 χ^2/NDF: 8784358.6/103

- sign 0.428+/-0.000 χ^2/NDF: 4236787.6/53



Right In: 872.011+/-0.000 χ^2/NDF: 11408749592221.9/24

Left Out: 157.566+/-0.000 χ^2/NDF:104641292.0/24

Right Out: 871.644+/-0.000 χ^2/NDF: 15385034286896.8/30

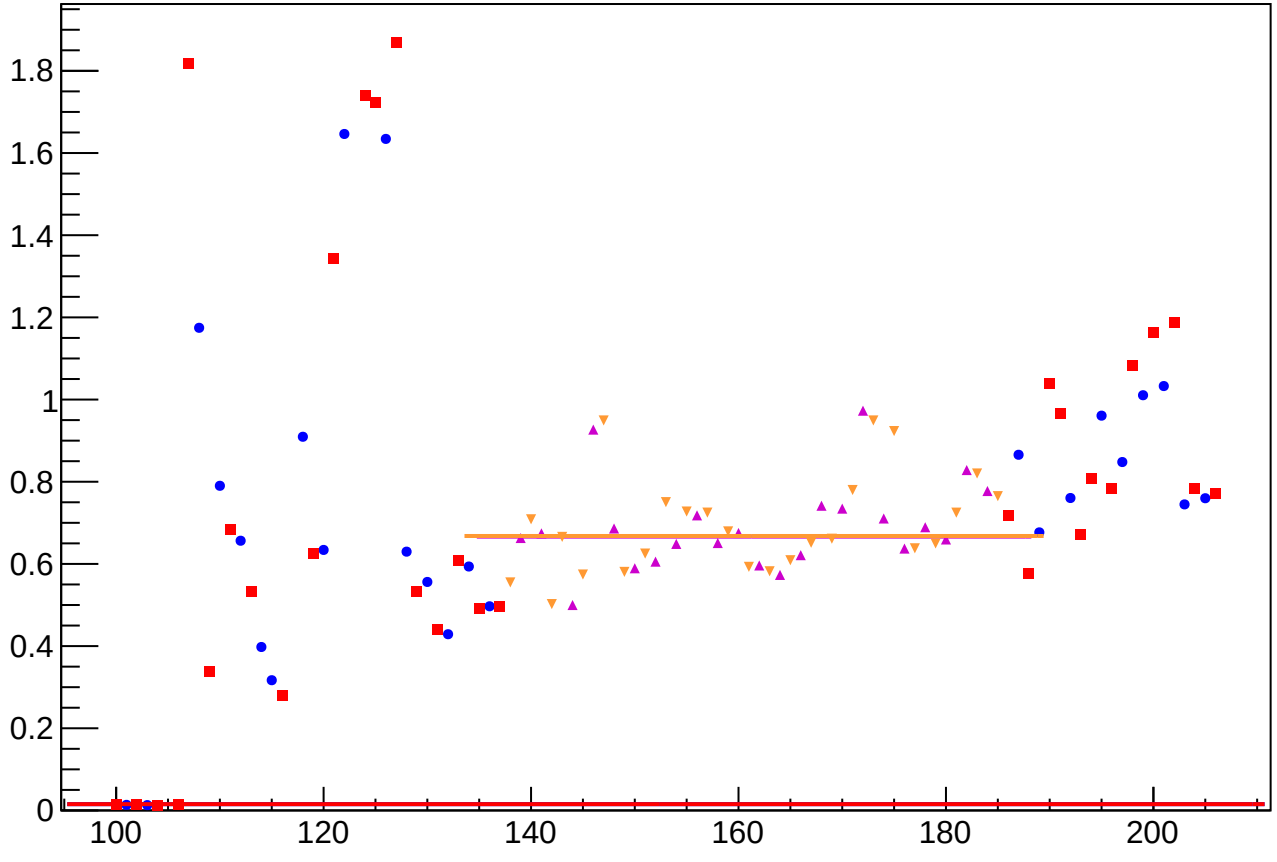
Left In: 157.013+/-0.000 χ^2/NDF:239819941.9/22

+ sign 868.633+/-0.000 χ^2/NDF: 28620862372321.

All: 868.743+/-0.000 χ^2/NDF: 60492381544

- sign 868.838+/-0.000 χ^2/NDF: 31871358384736.

yield_cav4bQ_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF: 20154198.2/24

Left Out: 0.668+/-0.000 χ^2/NDF:681720.2/24

Right Out: 0.015+/-0.000 χ^2/NDF: 23740678.1/30

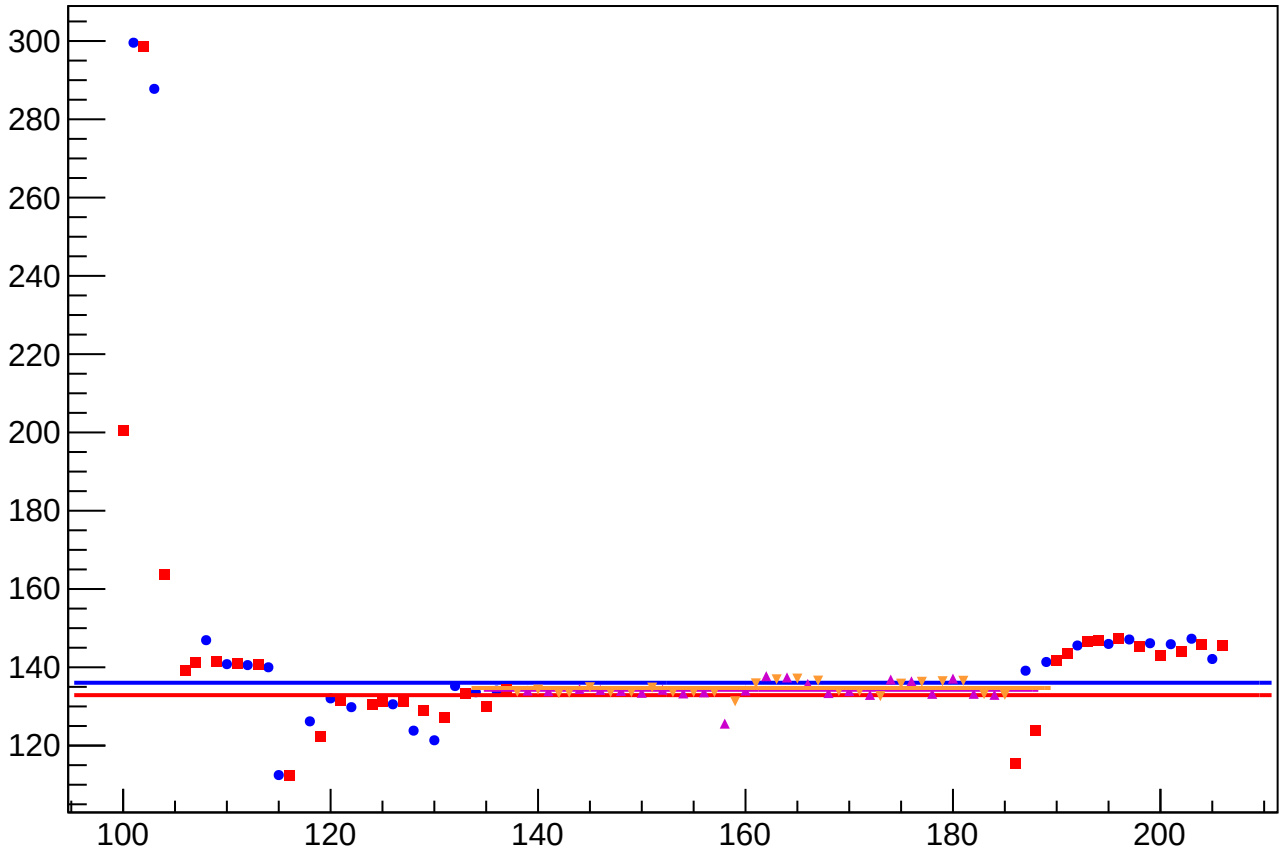
Left In: 0.666+/-0.000 χ^2/NDF:536078.9/22

+ sign 0.018+/-0.000 χ^2/NDF: 49566593.3/49

All: 0.018+/-0.000 χ^2/NDF: 101219138.4/103

- sign 0.018+/-0.000 χ^2/NDF: 51650715.0/53

yield_cav4cQ_mean vs Slug



Right In: 136.052+/-0.000 χ^2/NDF: 3303550493.5/24

Left Out: 134.714+/-0.000 χ^2/NDF:159886495.0/24

Right Out: 132.885+/-0.000 χ^2/NDF: 4981191413.9/30

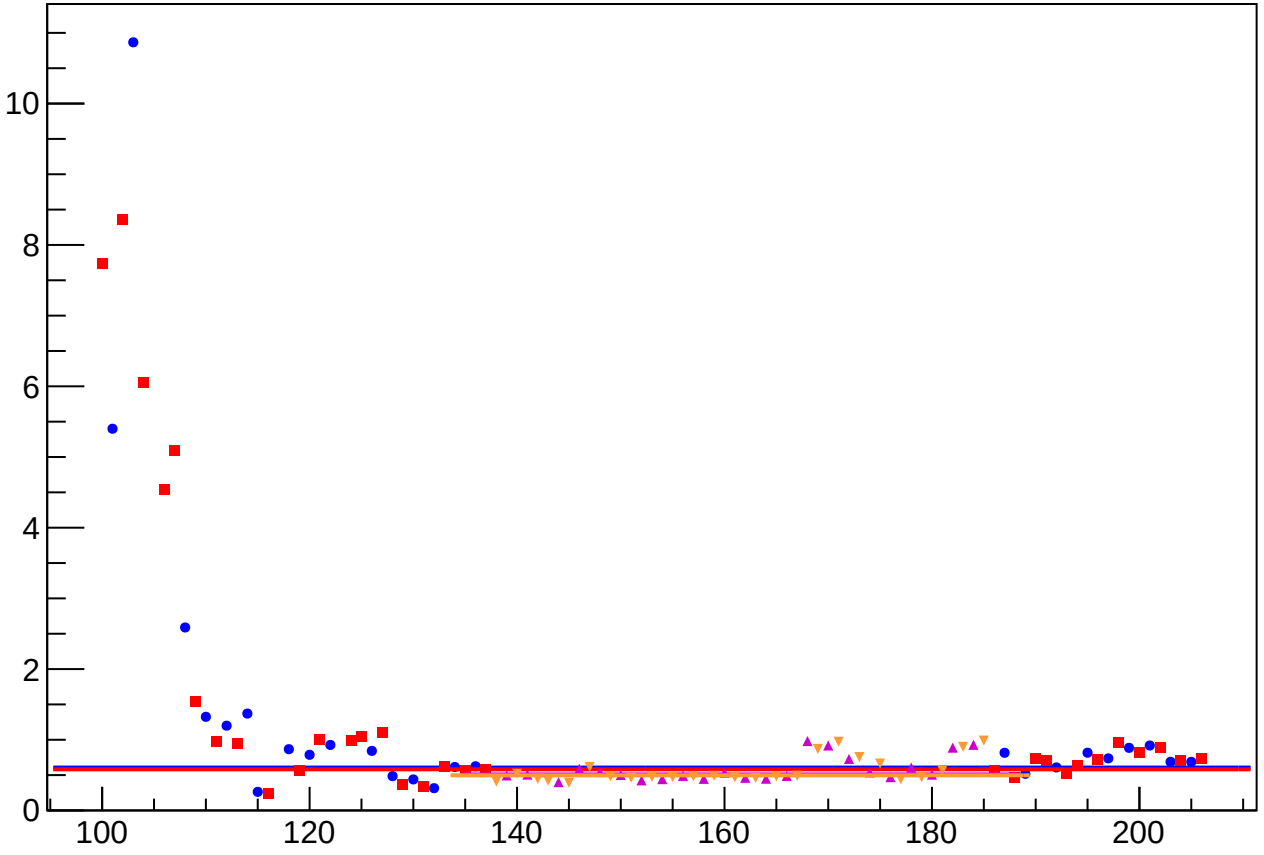
Left In: 134.250+/-0.000 χ^2/NDF:441522664.4/22

+ sign 135.072+/-0.000 χ^2/NDF: 3495577245.9/49

All: 134.426+/-0.000 χ^2/NDF: 9033016146.4

- sign 133.783+/-0.000 χ^2/NDF: 5461243110.2/53

yield_cav4cQ_rms vs Slug



Right In: 0.607+/-0.000 χ^2/NDF: 4856947.9/24

Left Out: 0.497+/-0.000 χ^2/NDF:1572512.9/24

Right Out: 0.582+/-0.000 χ^2/NDF: 5947824.1/30

Left In: 0.510+/-0.000 χ^2/NDF:1485489.4/22

+ sign 0.526+/-0.000 χ^2/NDF: 6861256.8/49

All: 0.530+/-0.000 χ^2/NDF: 14516082.8/103

- sign 0.534+/-0.000 χ^2/NDF: 7649007.5/53

yield_cav4dQ_mean vs Slug

Right In: 1778.576+/-0.000 χ^2/NDF: 205100450576461.8/24

Left Out: 137.578+/-0.000 χ^2/NDF:64111345.2/24

Right Out: 1790.680+/-0.000 χ^2/NDF: 229314531910712.4/30

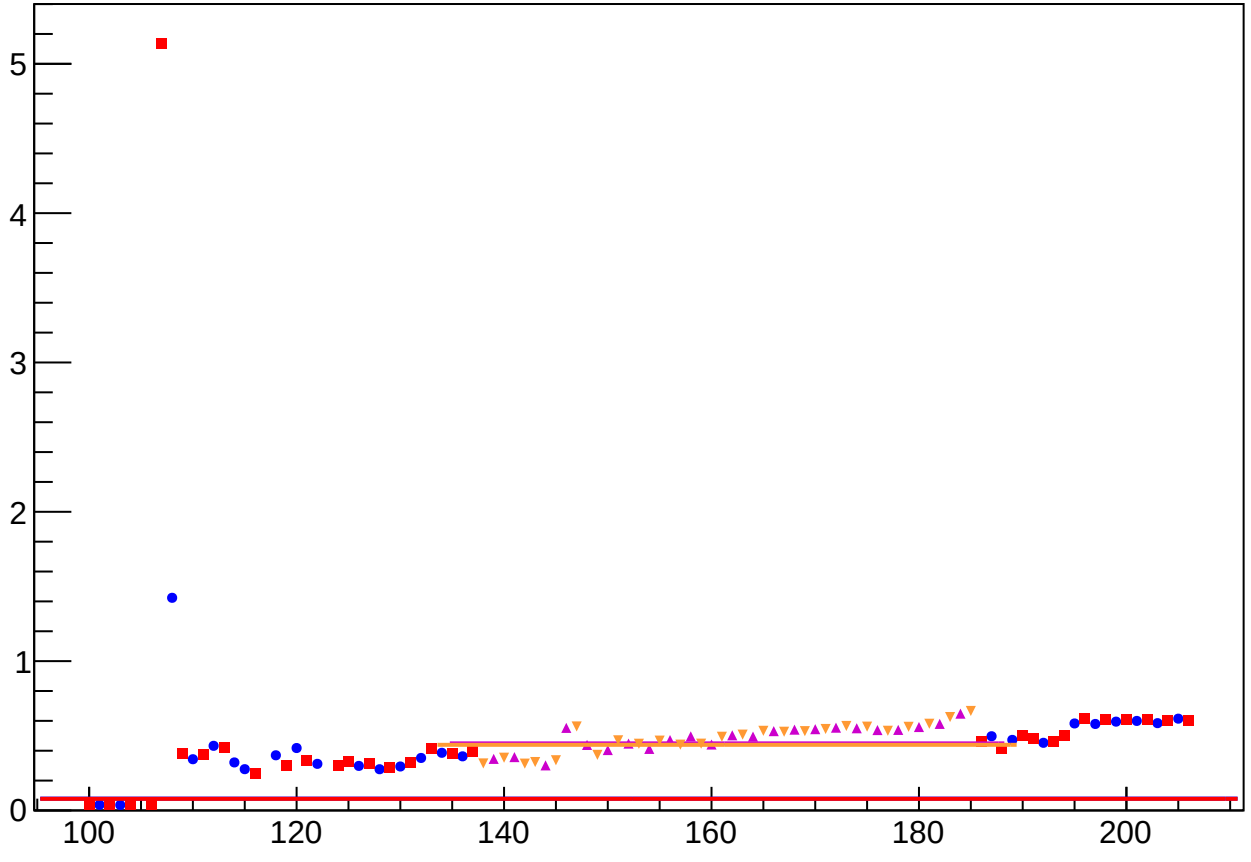
Left In: 137.349+/-0.000 χ^2/NDF:248752254.7/22

+ sign 1556.001+/-0.000 χ^2/NDF: 42121024524348

All: 1585.331+/-0.000 χ^2/NDF: 8584422691

- sign 1611.032+/-0.000 χ^2/NDF: 43612717695041

yield_cav4dQ_rms vs Slug



Right In: 0.079+/-0.000 χ^2/NDF: 18080188.1/24

Left Out: 0.440+/-0.000 χ^2/NDF:1765604.0/24

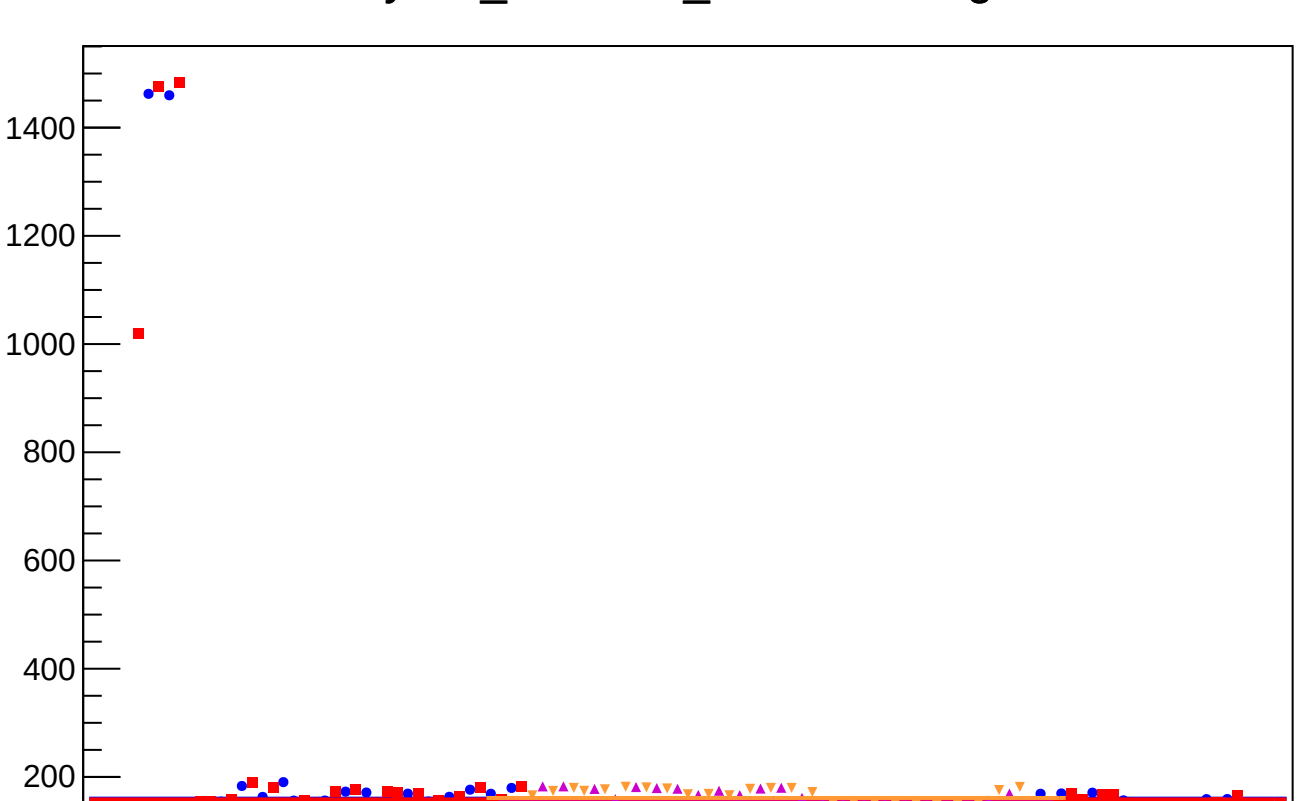
Right Out: 0.078+/-0.000 χ^2/NDF: 20993853.9/30

Left In: 0.449+/-0.000 χ^2/NDF:1340860.2/22

+ sign 0.128+/-0.000 χ^2/NDF: 40673717.7/49

All: 0.123+/-0.000 χ^2/NDF: 83957935.1/103

- sign 0.118+/-0.000 χ^2/NDF: 43211254.2/53



Right In: 159.877+/-0.000 χ^2/NDF: 15735612404.6/24

Left Out: 161.147+/-0.000 χ^2/NDF:3739064587.8/24

Right Out: 158.476+/-0.000 χ^2/NDF: 18187760514.8/30

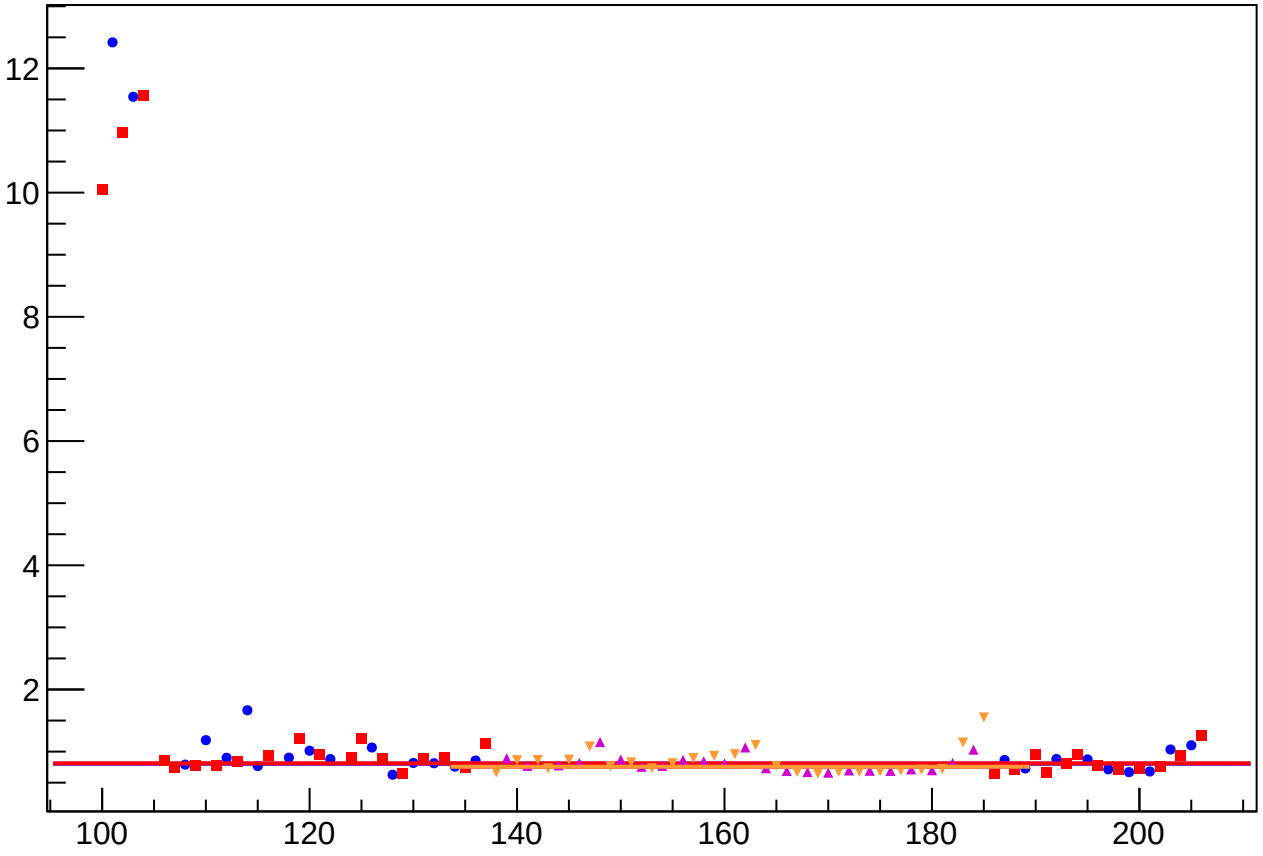
Left In: 160.140+/-0.000 χ^2/NDF:3738383186.1/22

+ sign 160.682+/-0.000 χ^2/NDF: 19489182234.6/49

All: 160.051+/-0.000 χ^2/NDF: 41472664649.

- sign 159.447+/-0.000 χ^2/NDF: 21953335240.4/53

yield_bcm0l02_rms vs Slug



Right In: 0.805+/-0.000 χ^2/NDF: 2637445.8/24

Left Out: 0.756+/-0.000 χ^2/NDF:750259.3/24

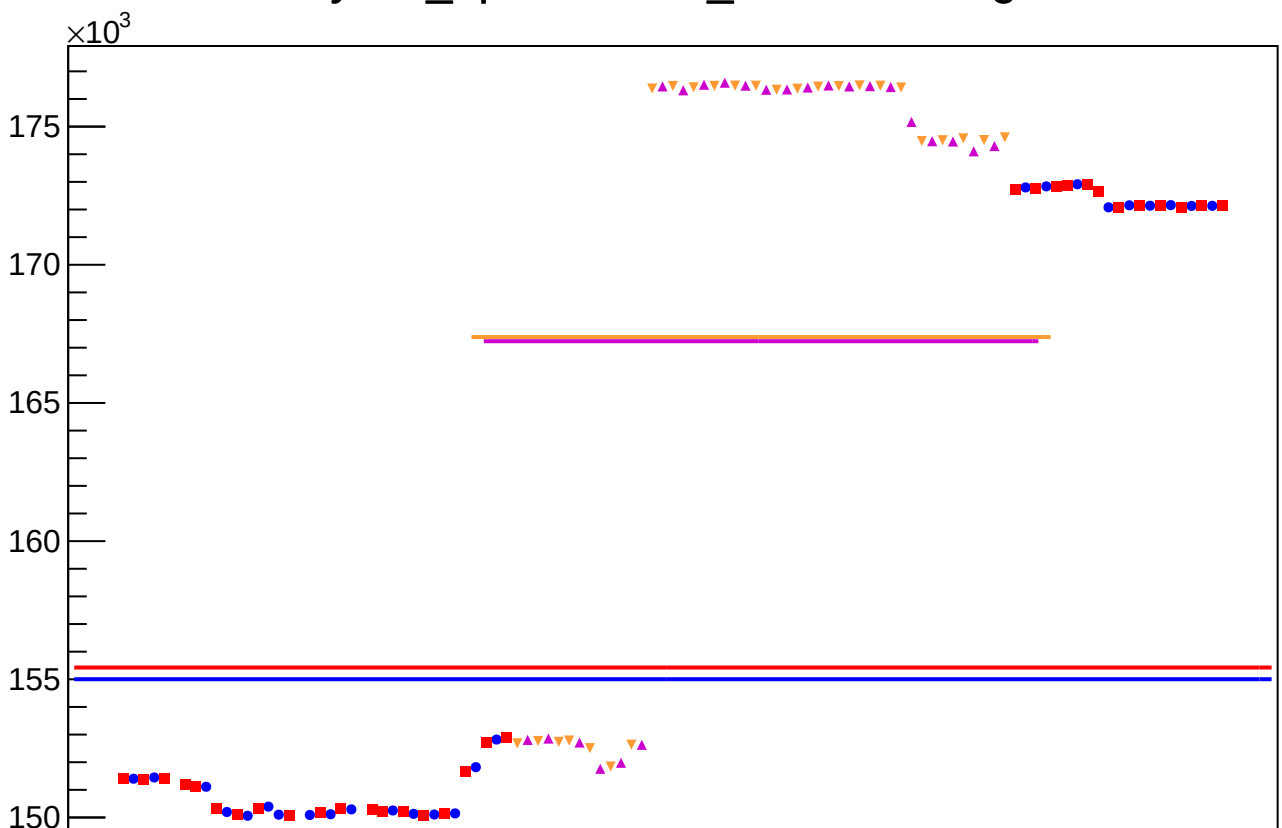
Right Out: 0.811+/-0.000 χ^2/NDF: 2616239.0/30

Left In: 0.755+/-0.000 χ^2/NDF:472792.1/22

+ sign 0.774+/-0.000 χ^2/NDF: 3431174.7/49

All: 0.776+/-0.000 χ^2/NDF: 6580492.0/103

- sign 0.778+/-0.000 χ^2/NDF: 3148670.3/53



Right In: 155003.250+/-0.049 χ^2/NDF: 32604032517.1/24

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155426.313+/-0.045 χ^2/NDF: 41100535494.8/30

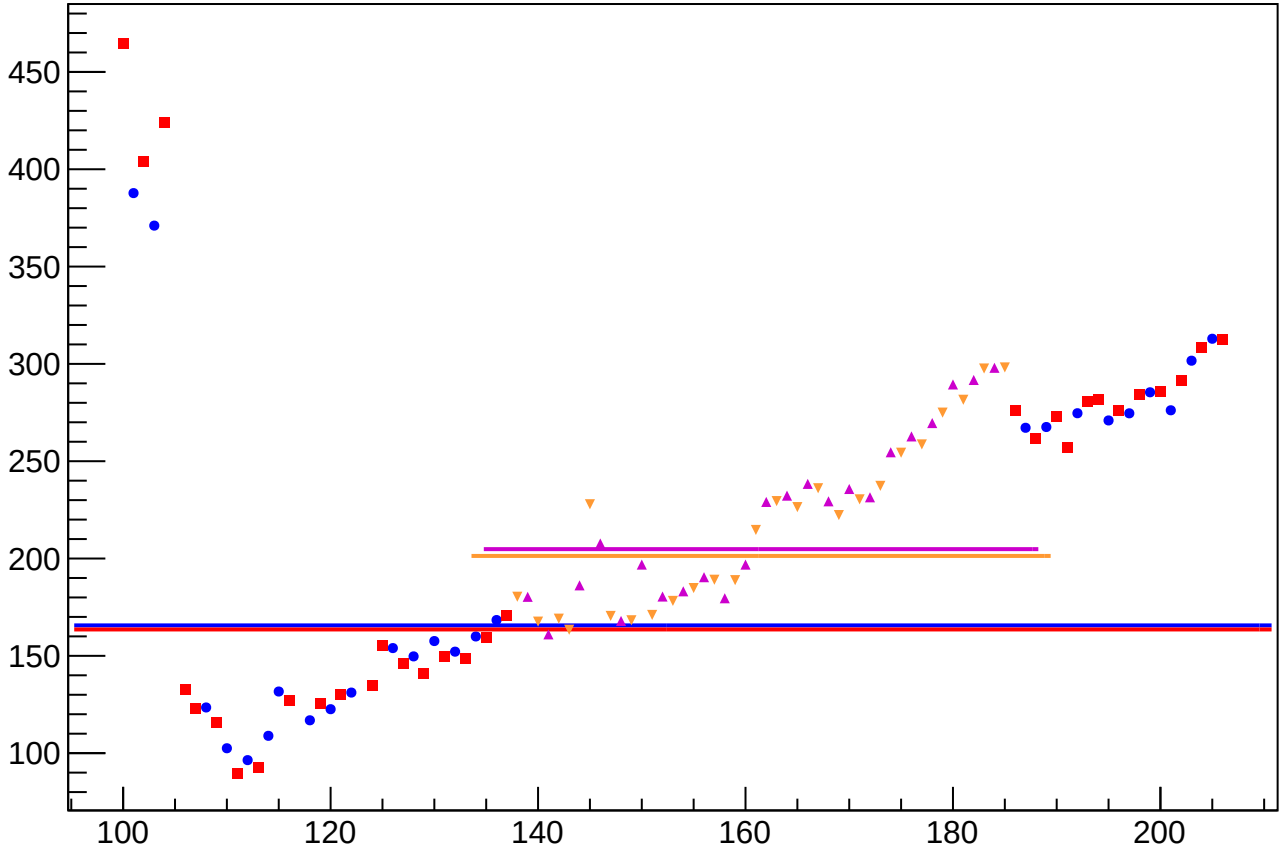
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161453.267+/-0.034 χ^2/NDF: 12584061234

All: 161139.490+/-0.024 χ^2/NDF: 2538353

- sign 160837.607+/-0.033 χ^2/NDF: 12782496856

yield_bpm2i01WS_rms vs Slug



Right In: 165.643+/-0.034 χ^2/NDF: 4363449.0/24

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

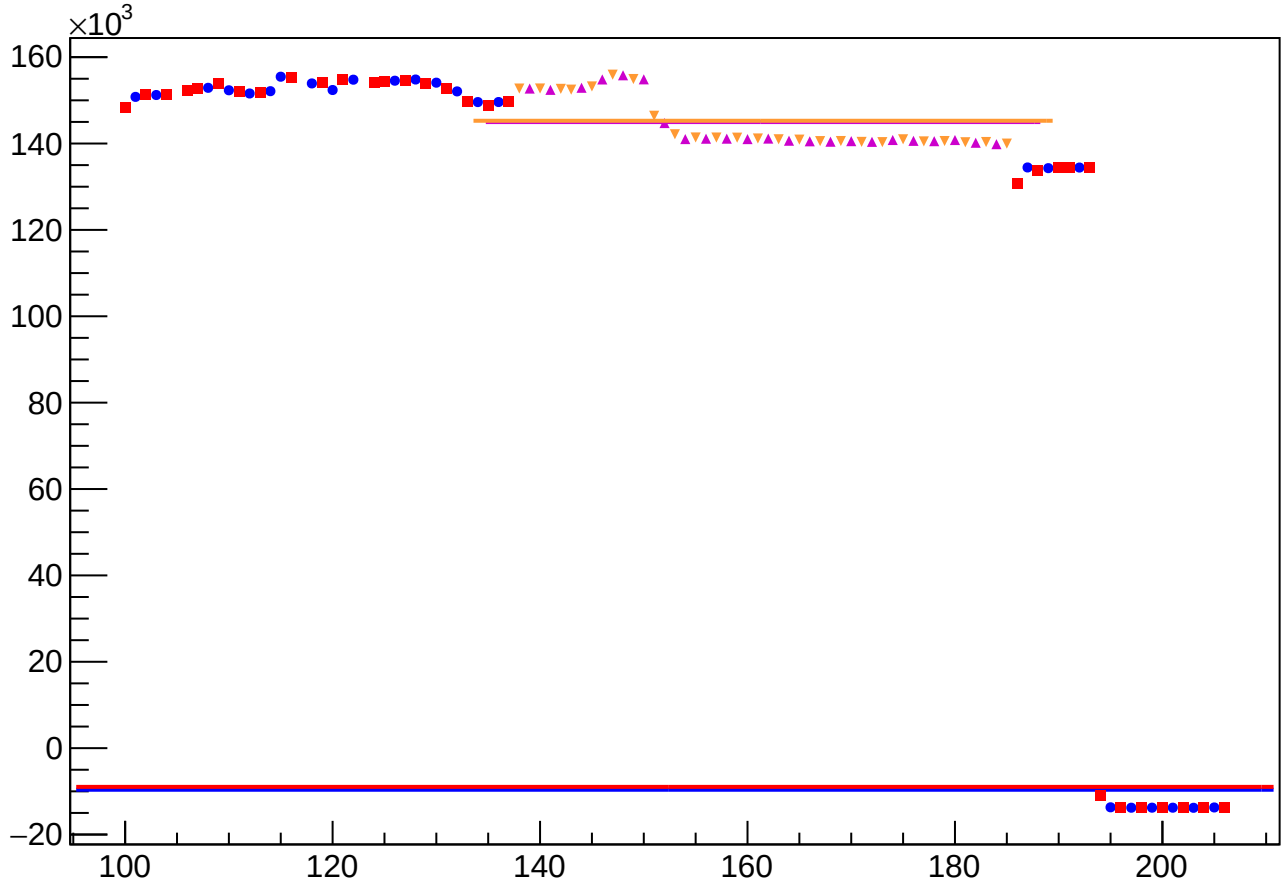
Right Out: 163.554+/-0.032 χ^2/NDF: 5761039.2/30

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 184.232+/-0.024 χ^2/NDF: 6152814.1/49

All: 183.333+/-0.017 χ^2/NDF: 13742490.9/10

- sign 182.468+/-0.023 χ^2/NDF: 7586888.6/53



Right In: -9631.112+/-0.011 χ^2/NDF: 5832626212571.5/24

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -8965.225+/-0.010 χ^2/NDF: 7105444131591.2/30

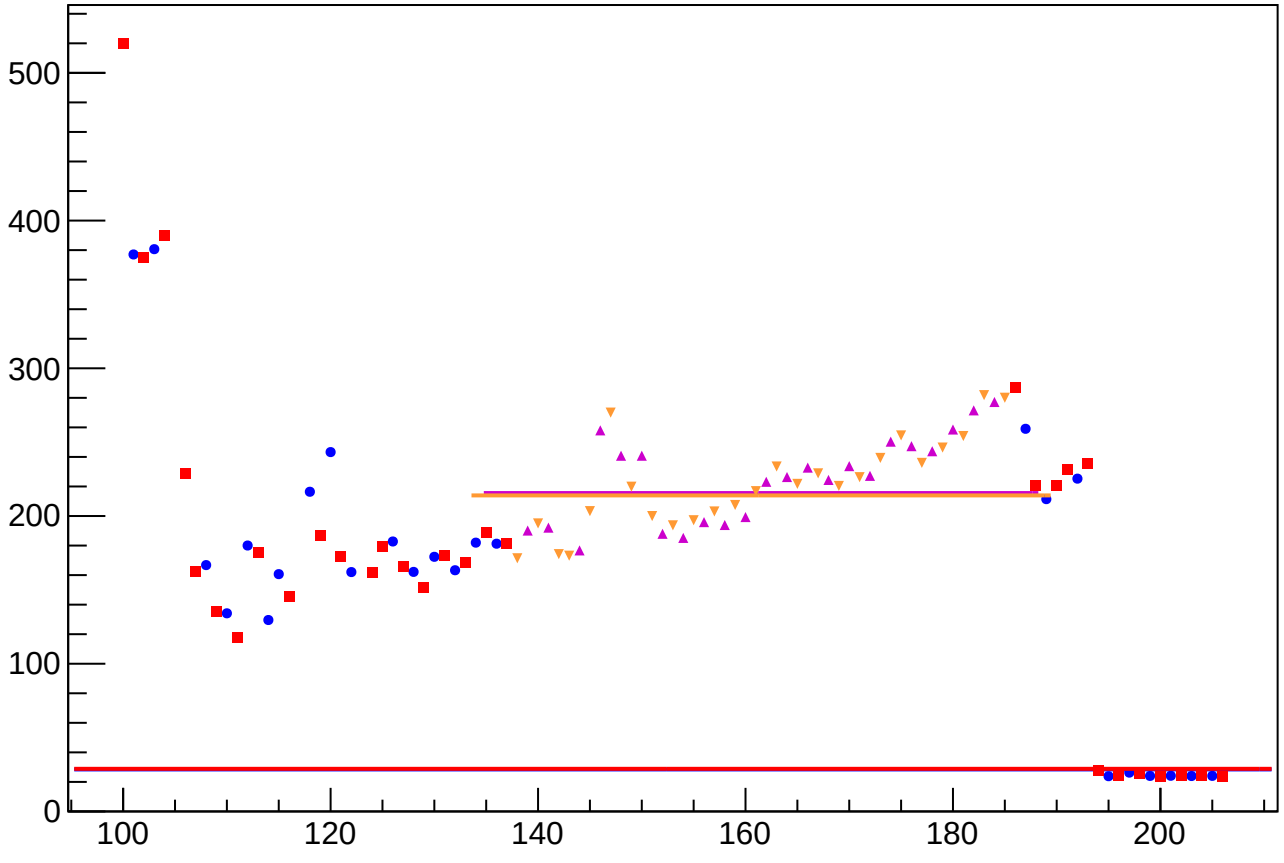
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -2761.752+/-0.010 χ^2/NDF: 1524732373948

All: -2965.960+/-0.007 χ^2/NDF: 3106281857

- sign -3152.862+/-0.010 χ^2/NDF: 15814756464152

yield_bpm0i07WS_rms vs Slug



Right In: 28.457+/-0.008 χ^2/NDF: 12585534.2/24

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

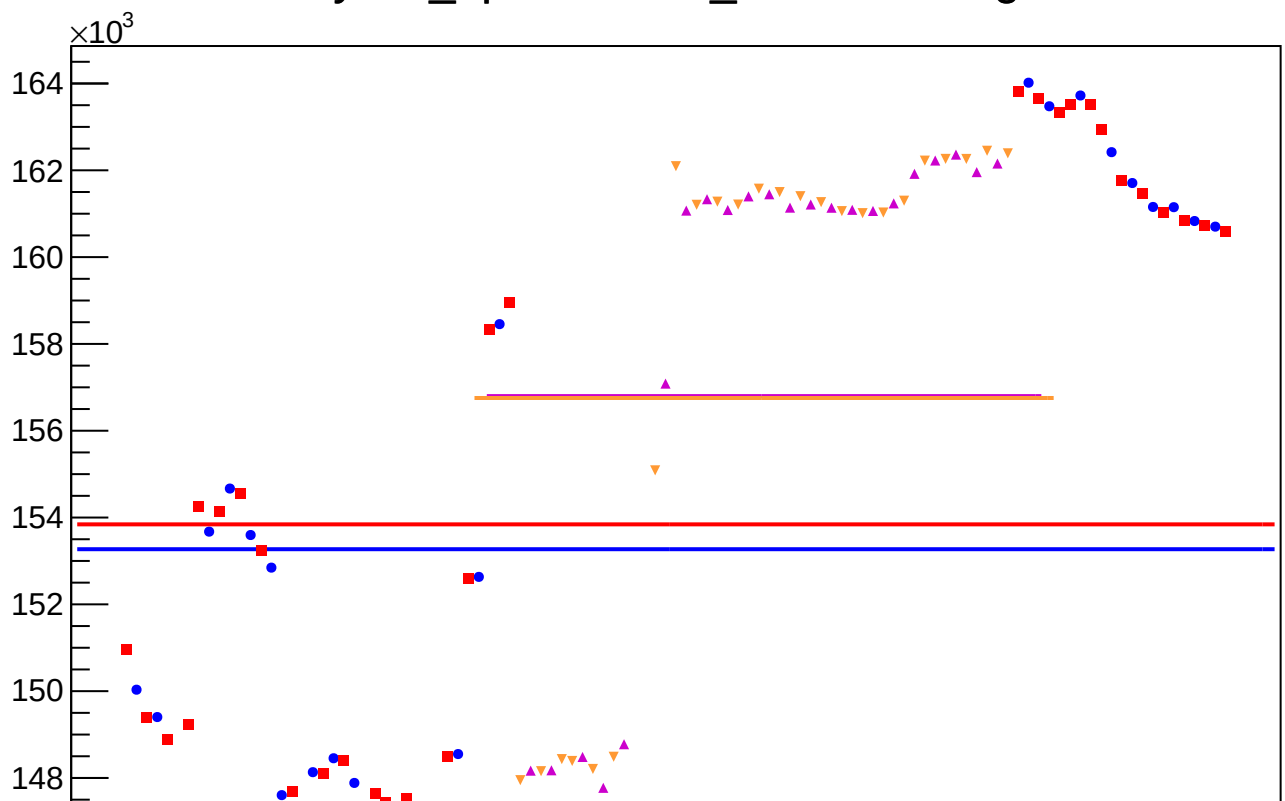
Right Out: 28.861+/-0.007 χ^2/NDF: 14370701.6/30

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 36.683+/-0.007 χ^2/NDF: 40198302.1/49

All: 36.280+/-0.005 χ^2/NDF: 80754457.6/103

- sign 35.910+/-0.007 χ^2/NDF: 40550382.3/53



Right In: 153270.418+/-0.055 χ^2/NDF: 10583274759.5/24

Left Out: 156754.233+/-0.049 χ^2/NDF:16380807583.4/24

Right Out: 153842.887+/-0.052 χ^2/NDF: 12111729080.1/30

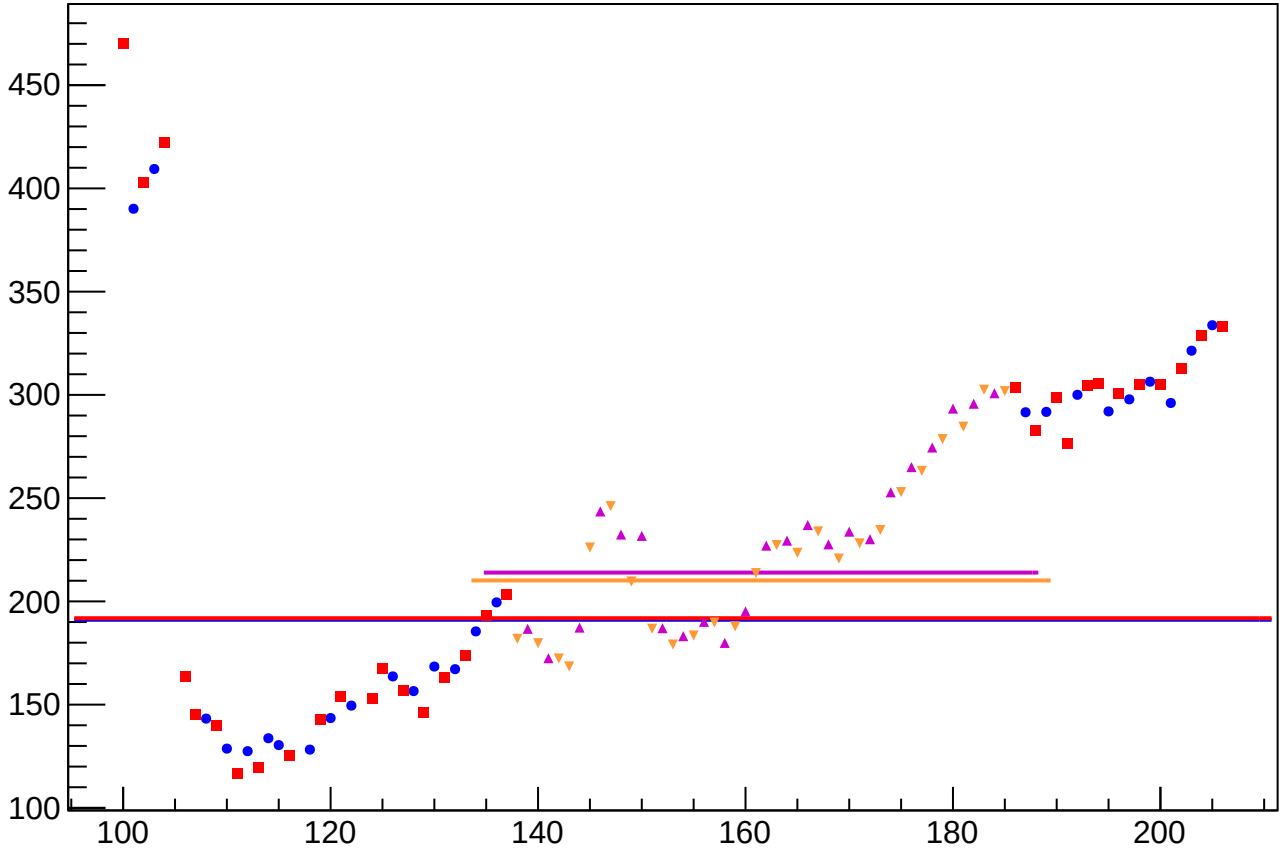
Left In: 156798.005+/-0.051 χ^2/NDF:14344098884.4/22

+ sign 155235.978+/-0.037 χ^2/NDF: 29199854089.

All: 155291.342+/-0.026 χ^2/NDF: 57312961

- sign 155346.118+/-0.036 χ^2/NDF: 28108538587.5

yield_bpm0i01WS_rms vs Slug



Right In: 191.096+/-0.039 χ^2/NDF: 3653957.9/24

Left Out: 210.142+/-0.034 χ^2/NDF:997802.7/24

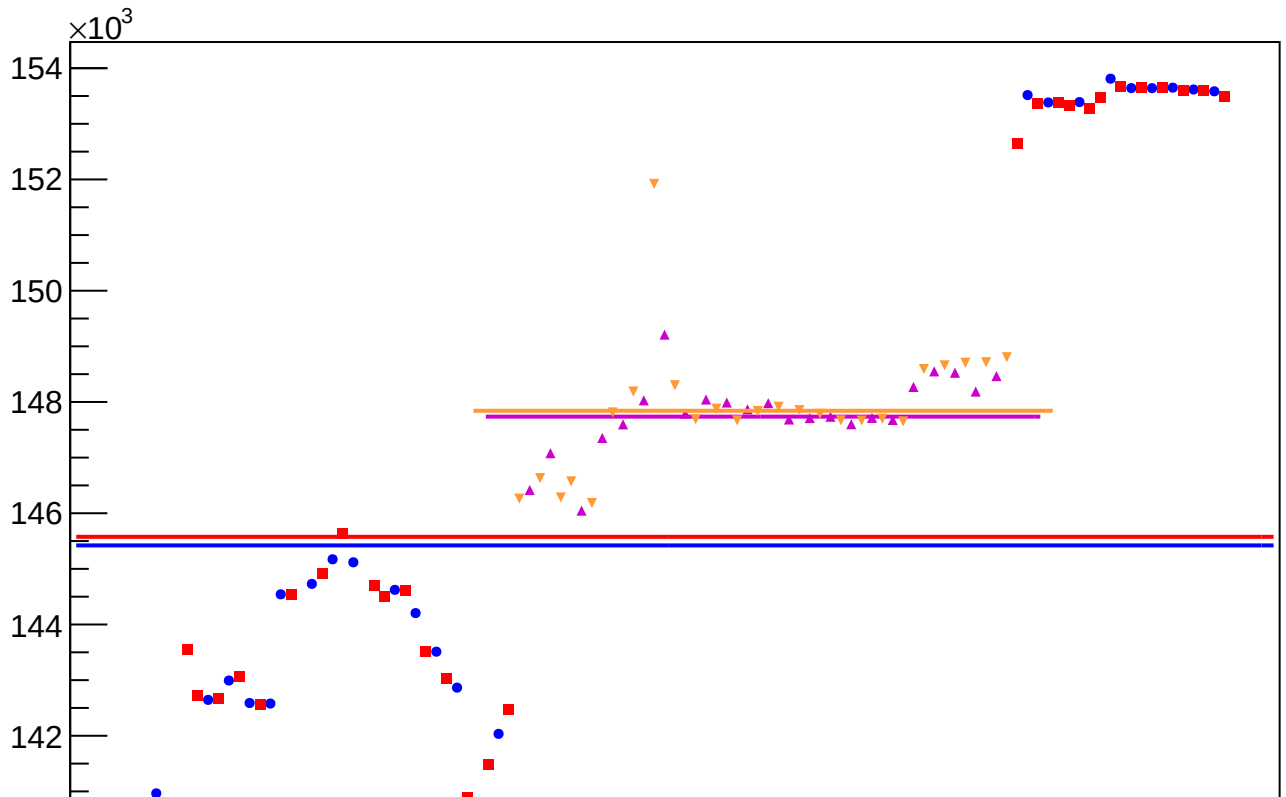
Right Out: 191.850+/-0.037 χ^2/NDF: 4618790.1/30

Left In: 213.945+/-0.036 χ^2/NDF:914465.3/22

+ sign 201.842+/-0.026 χ^2/NDF: 4785407.0/49

All: 202.469+/-0.018 χ^2/NDF: 10504625.9/10

- sign 203.089+/-0.026 χ^2/NDF: 5718046.5/53



Right In: 145421.689+/-0.047 χ^2/NDF: 8212675347.0/24

Left Out: 147842.157+/-0.045 χ^2/NDF:713066054.2/24

Right Out: 145576.354+/-0.044 χ^2/NDF: 10061083179.4/30

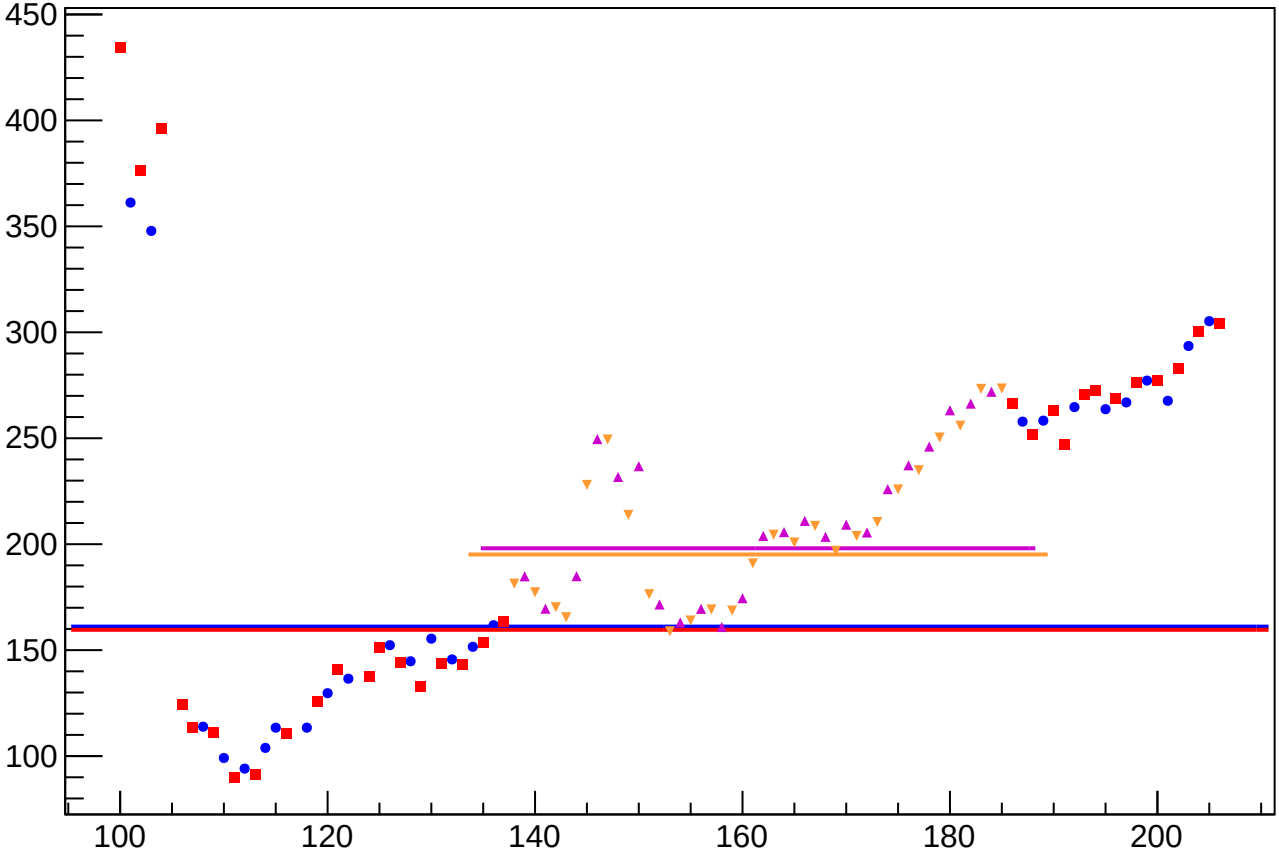
Left In: 147736.722+/-0.047 χ^2/NDF:227077133.0/22

+ sign 146690.705+/-0.033 χ^2/NDF: 10294105473.

All: 146632.004+/-0.023 χ^2/NDF: 21715542

- sign 146575.409+/-0.032 χ^2/NDF: 11415098857.8

yield_bpm0i01aWS_rms vs Slug



Right In: 161.101+/-0.034 χ^2/NDF: 4309996.0/24

Left Out: 195.145+/-0.032 χ^2/NDF:903994.2/24

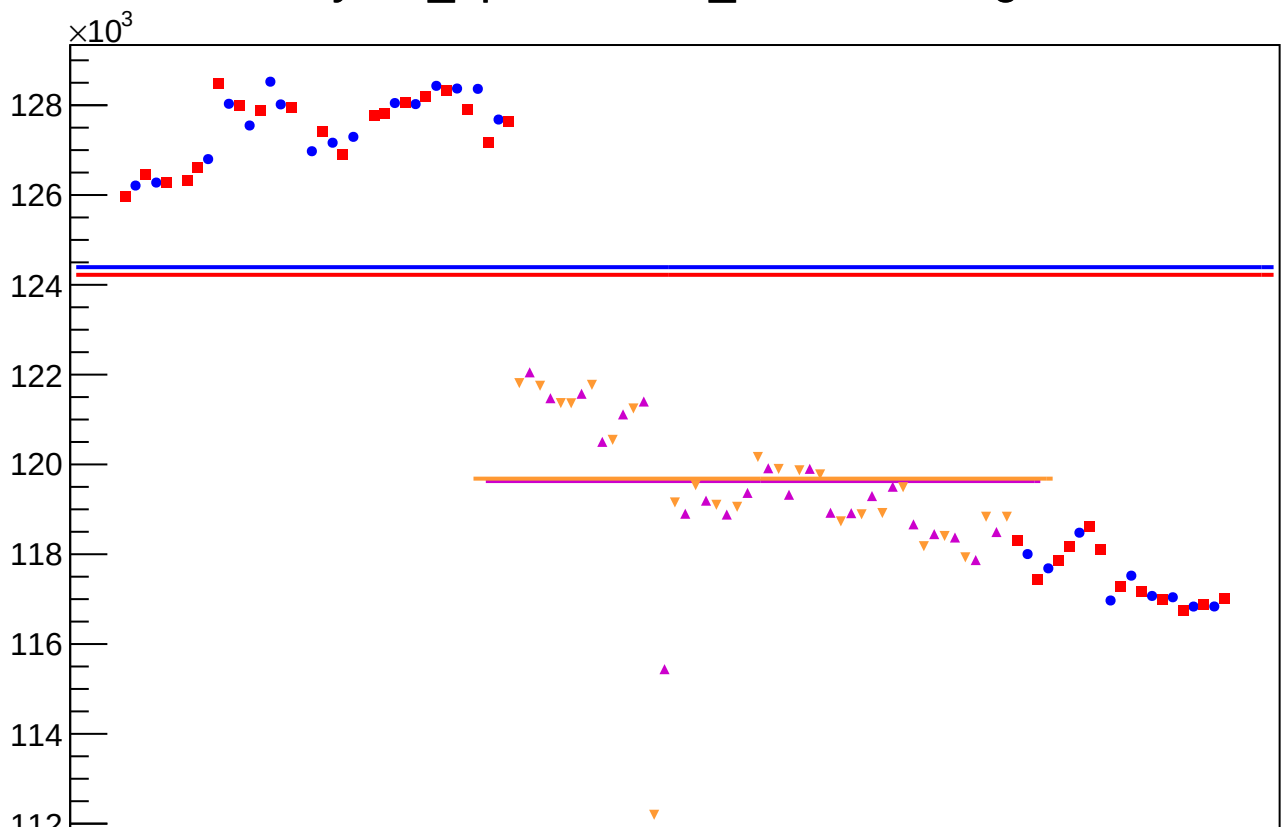
Right Out: 159.598+/-0.031 χ^2/NDF: 5621818.0/30

Left In: 198.057+/-0.033 χ^2/NDF:900359.1/22

+ sign 178.950+/-0.023 χ^2/NDF: 5755391.8/49

All: 178.152+/-0.016 χ^2/NDF: 12994199.5/10

- sign 177.383+/-0.023 χ^2/NDF: 7236465.7/53



Right In: 124393.190+/-0.048 χ^2/NDF: 10204008589.5/24

Left Out: 119683.519+/-0.044 χ^2/NDF:1985993997.6/24

Right Out: 124222.605+/-0.045 χ^2/NDF: 12167635372.5/30

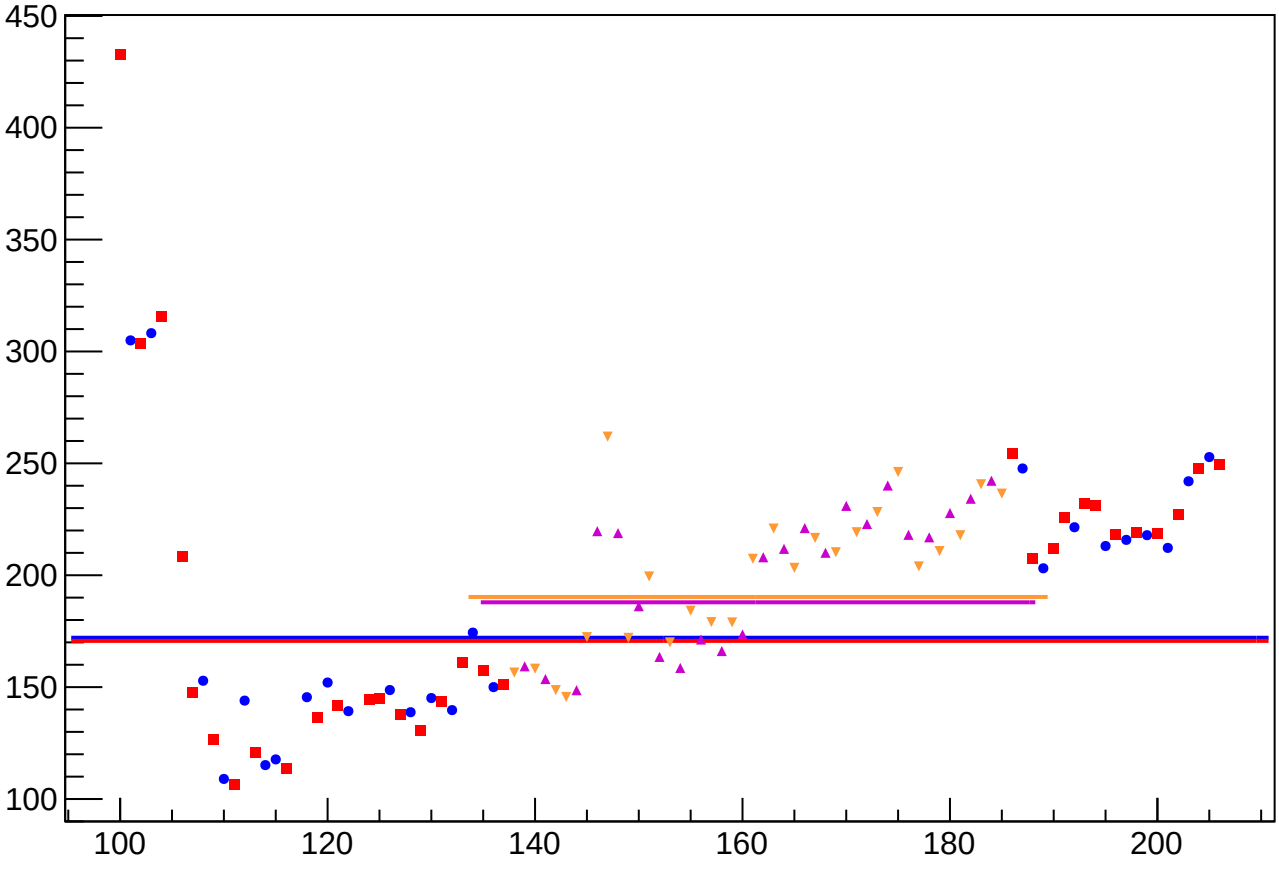
Left In: 119629.600+/-0.045 χ^2/NDF:1317214801.7/22

+ sign 121838.982+/-0.033 χ^2/NDF: 17371116951.

All: 121894.389+/-0.023 χ^2/NDF: 36120269

- sign 121946.679+/-0.032 χ^2/NDF: 18743536859.2

yield_bpm0l01WS_rms vs Slug



Right In: 172.070+/-0.034 χ^2/NDF: 1897605.1/24

Left Out: 190.298+/-0.031 χ^2/NDF:924542.3/24

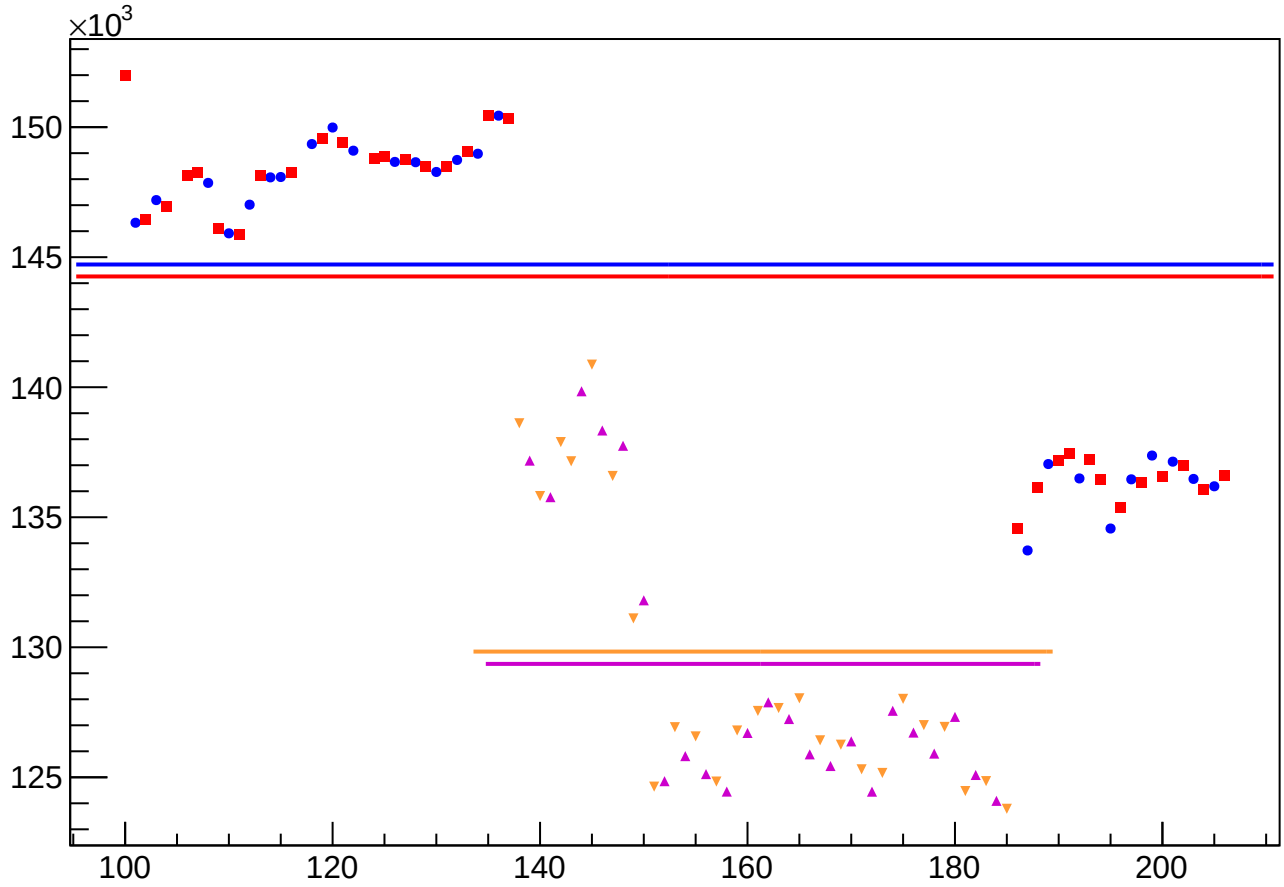
Right Out: 170.666+/-0.032 χ^2/NDF: 2715798.2/30

Left In: 187.909+/-0.032 χ^2/NDF:926037.0/22

+ sign 181.955+/-0.023 χ^2/NDF: 2977369.7/49

All: 180.543+/-0.016 χ^2/NDF: 6774731.3/103

- sign 179.210+/-0.022 χ^2/NDF: 3790064.9/53



Right In: 144718.955+/-0.068 χ^2/NDF: 7169295064.7/24

Left Out: 129834.437+/-0.064 χ^2/NDF:6793515279.7/24

Right Out: 144258.957+/-0.062 χ^2/NDF: 8494777029.7/30

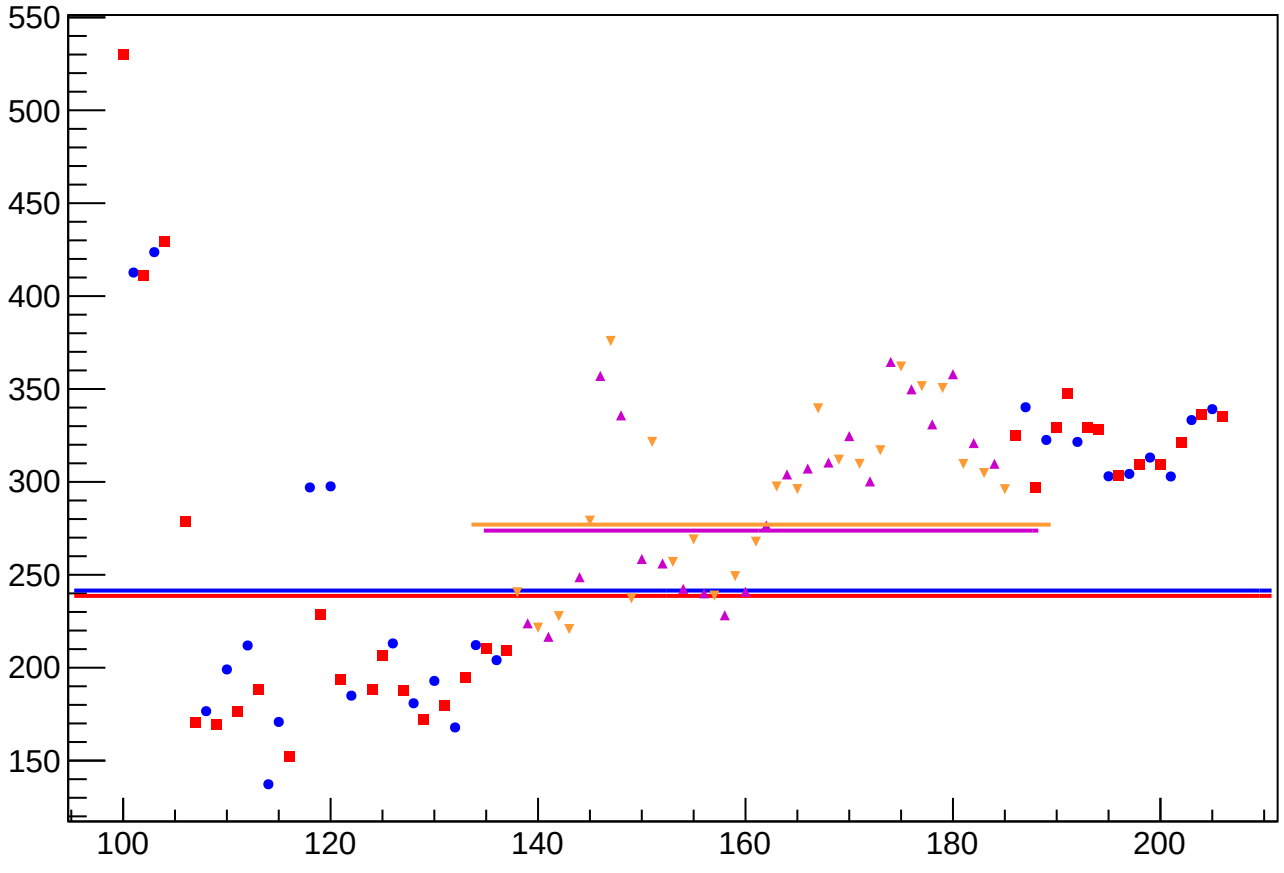
Left In: 129360.487+/-0.065 χ^2/NDF:6626094577.9/22

+ sign 136858.576+/-0.047 χ^2/NDF: 39330198928.

All: 137015.064+/-0.032 χ^2/NDF: 81684314

- sign 137161.357+/-0.045 χ^2/NDF: 42332346106.

yield_bpm0l02WS_rms vs Slug



Right In: 241.522+/-0.048 χ^2/NDF: 2121714.2/24

Left Out: 277.021+/-0.045 χ^2/NDF:946602.2/24

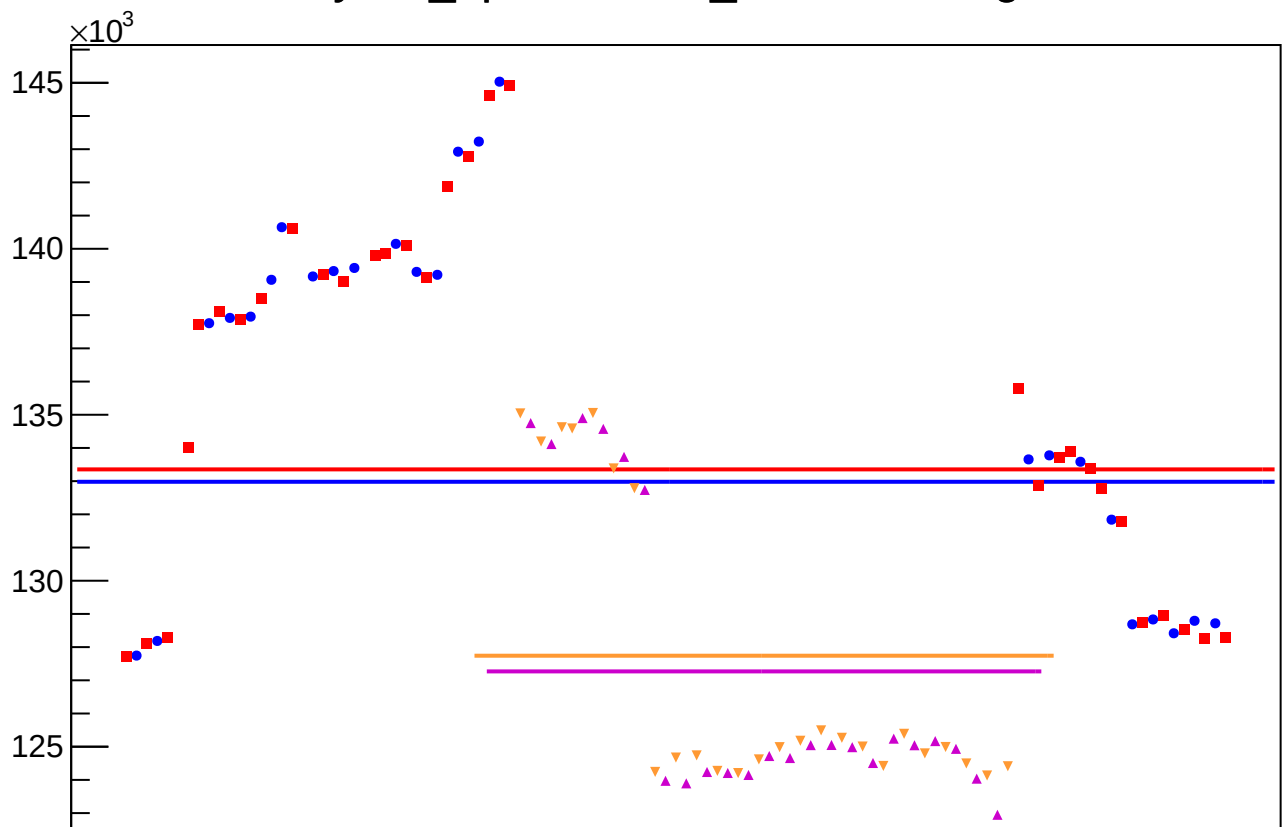
Right Out: 238.650+/-0.044 χ^2/NDF: 2640780.9/30

Left In: 273.784+/-0.046 χ^2/NDF:1003910.6/22

+ sign 260.269+/-0.033 χ^2/NDF: 3356890.3/49

All: 257.746+/-0.023 χ^2/NDF: 7315560.3/103

- sign 255.388+/-0.032 χ^2/NDF: 3947356.6/53



Right In: 132981.052+/-0.111 χ^2/NDF: 2519151182.0/24

Left Out: 127741.156+/-0.136 χ^2/NDF:1092529845.6/24

Right Out: 133354.290+/-0.112 χ^2/NDF: 1723758911.2/30

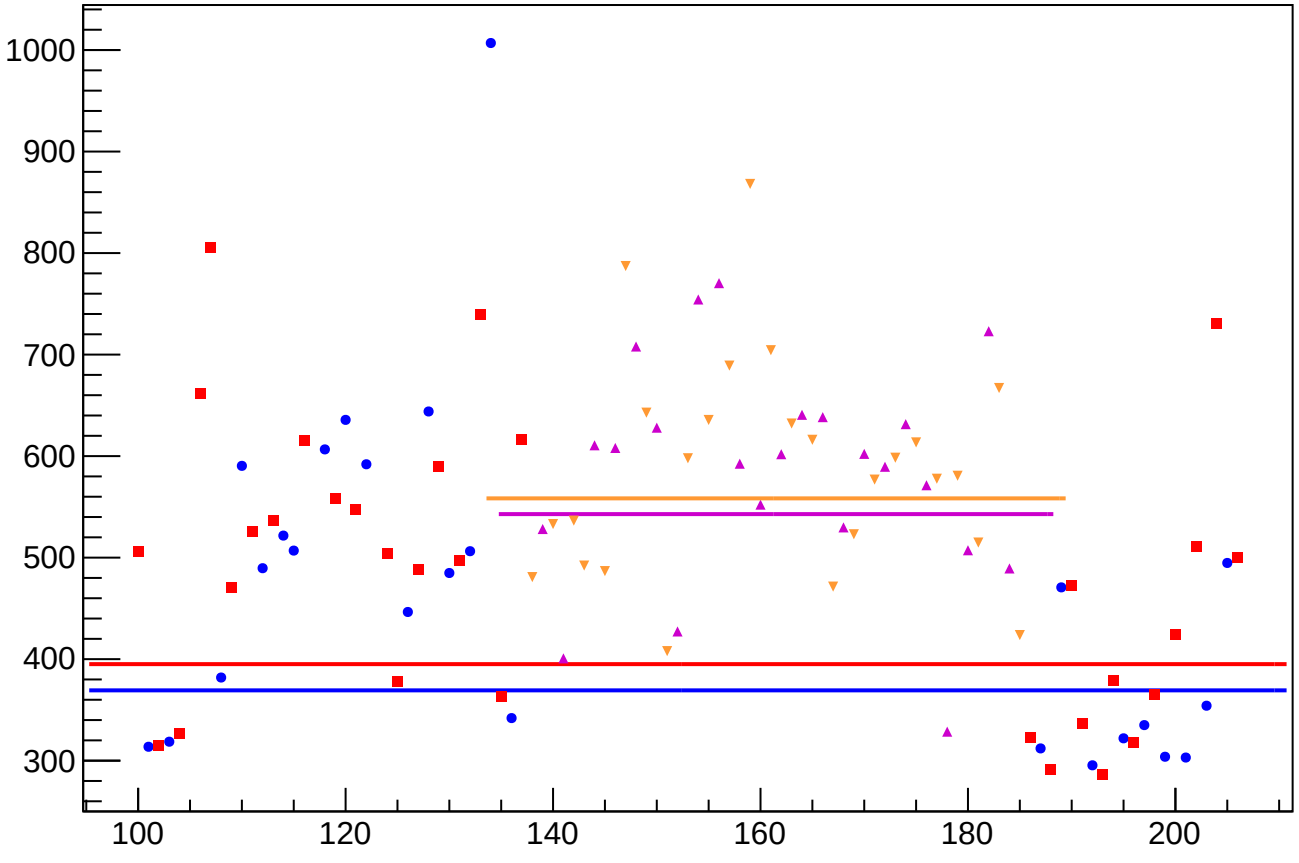
Left In: 127268.542+/-0.139 χ^2/NDF:971404491.0/22

+ sign 130871.412+/-0.086 χ^2/NDF: 4504041967.9

All: 130905.293+/-0.061 χ^2/NDF: 836270193

- sign 130940.181+/-0.087 χ^2/NDF: 3858345114.4/

yield_bpm0l03WS_rms vs Slug



Right In: 369.256+/-0.079 χ^2/NDF: 1573550.1/24

Left Out: 558.373+/-0.096 χ^2/NDF:968289.3/24

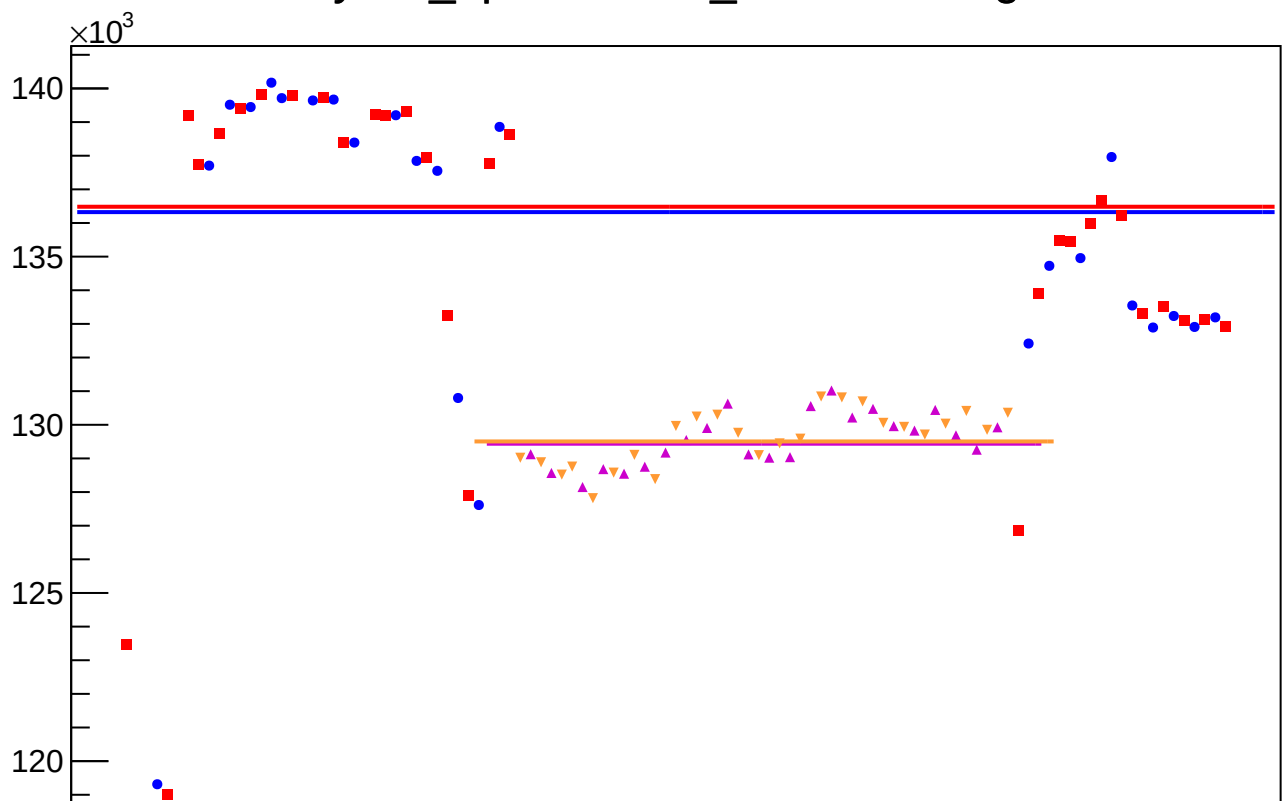
Right Out: 395.093+/-0.079 χ^2/NDF: 1957282.9/30

Left In: 542.872+/-0.098 χ^2/NDF:1416690.9/22

+ sign 445.396+/-0.061 χ^2/NDF: 4866646.1/49

All: 449.494+/-0.043 χ^2/NDF: 9621585.7/103

- sign 453.714+/-0.062 χ^2/NDF: 4745727.4/53



Right In: 136323.425+/-0.061 χ^2/NDF: 6331948969.1/24

Left Out: 129504.922+/-0.047 χ^2/NDF:299464438.2/24

Right Out: 136483.138+/-0.056 χ^2/NDF: 6742370689.4/30

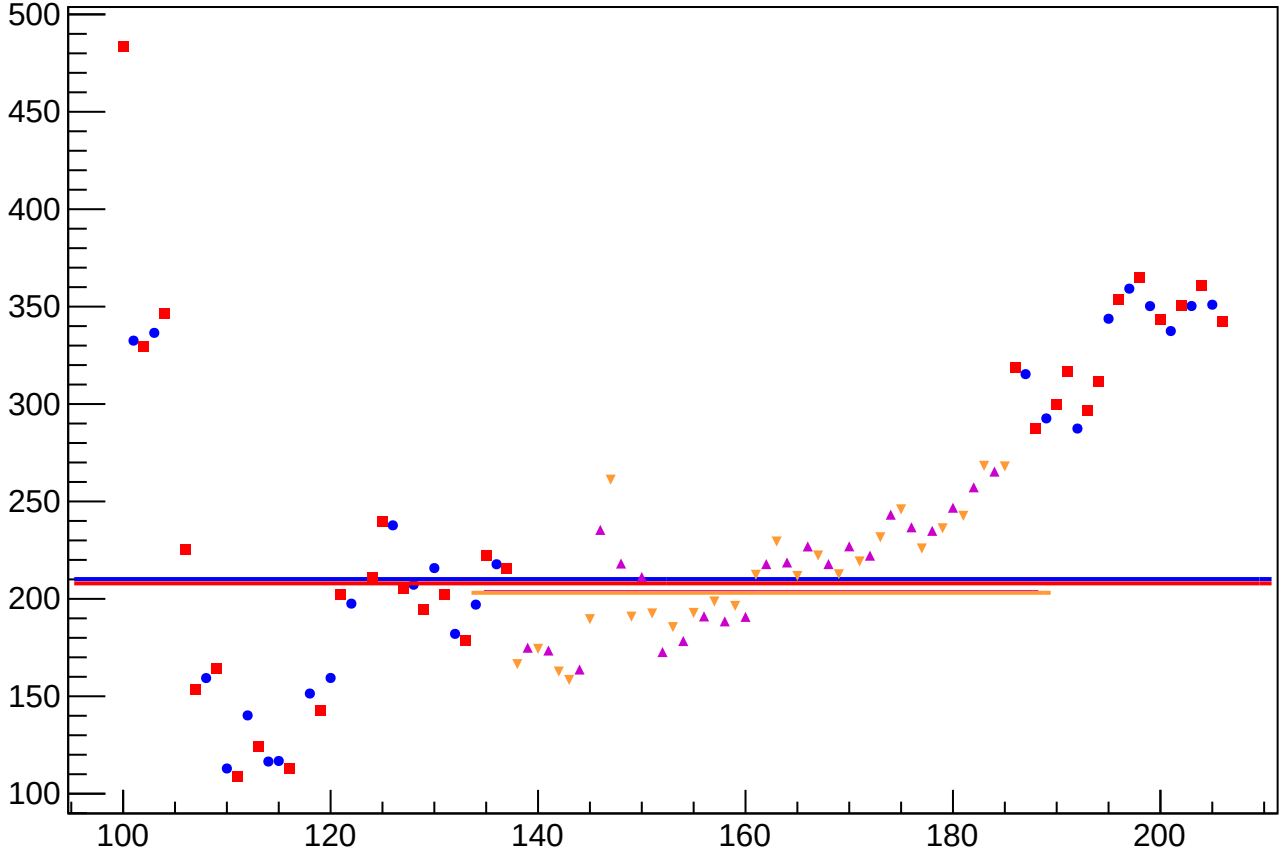
Left In: 129437.551+/-0.048 χ^2/NDF:269025464.3/22

+ sign 132037.628+/-0.037 χ^2/NDF: 14449922538.

All: 132234.537+/-0.026 χ^2/NDF: 30493422

- sign 132426.099+/-0.037 χ^2/NDF: 15988402162.5

yield_bpm0l04WS_rms vs Slug



Right In: 210.173+/-0.043 χ^2/NDF: 3611463.1/24

Left Out: 203.129+/-0.033 χ^2/NDF:758448.5/24

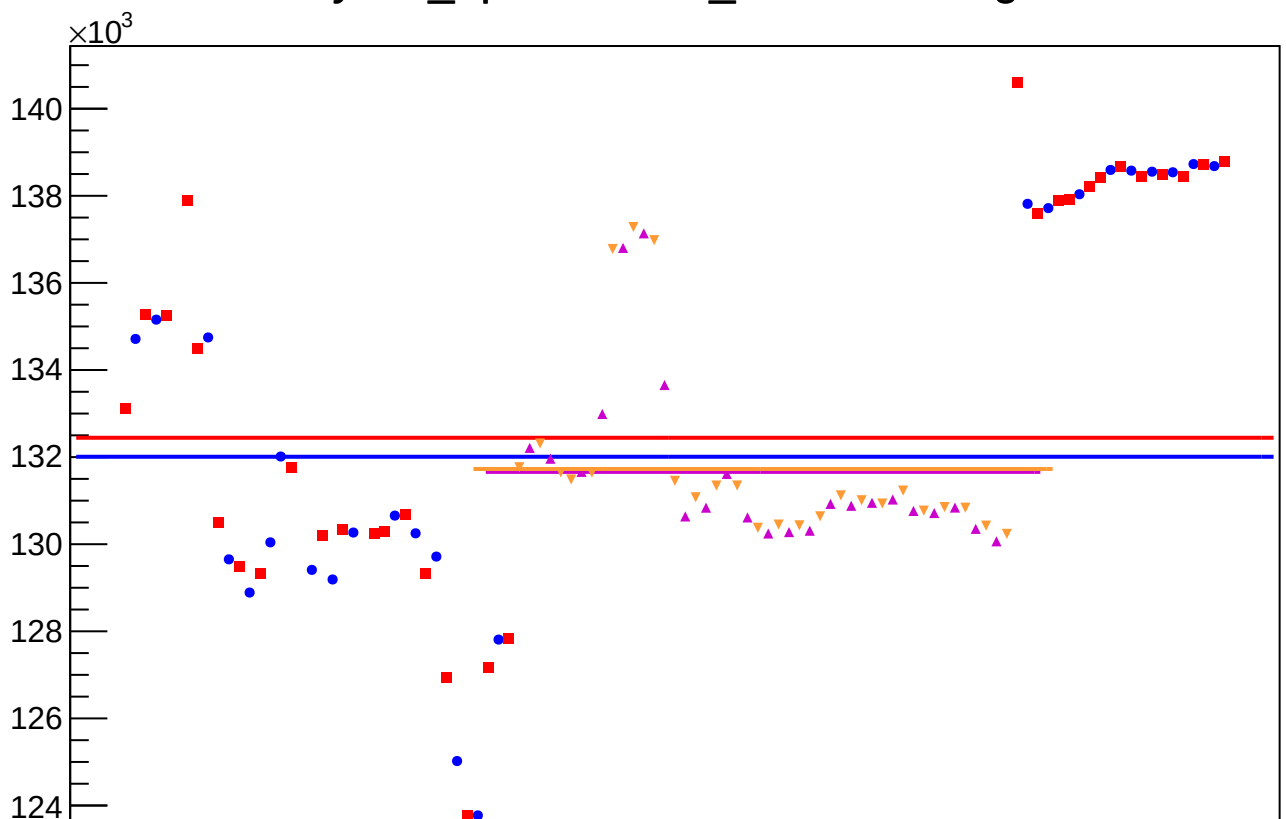
Right Out: 207.952+/-0.040 χ^2/NDF: 4721959.0/30

Left In: 203.546+/-0.034 χ^2/NDF:666043.6/22

+ sign 205.746+/-0.026 χ^2/NDF: 4386601.3/49

All: 205.578+/-0.019 χ^2/NDF: 9781702.8/103

- sign 205.415+/-0.026 χ^2/NDF: 5395021.8/53



Right In: 132007.975+/-0.056 χ^2/NDF: 7284003048.6/24

Left Out: 131727.086+/-0.047 χ^2/NDF:1425045697.6/24

Right Out: 132444.079+/-0.051 χ^2/NDF: 8130889451.2/30

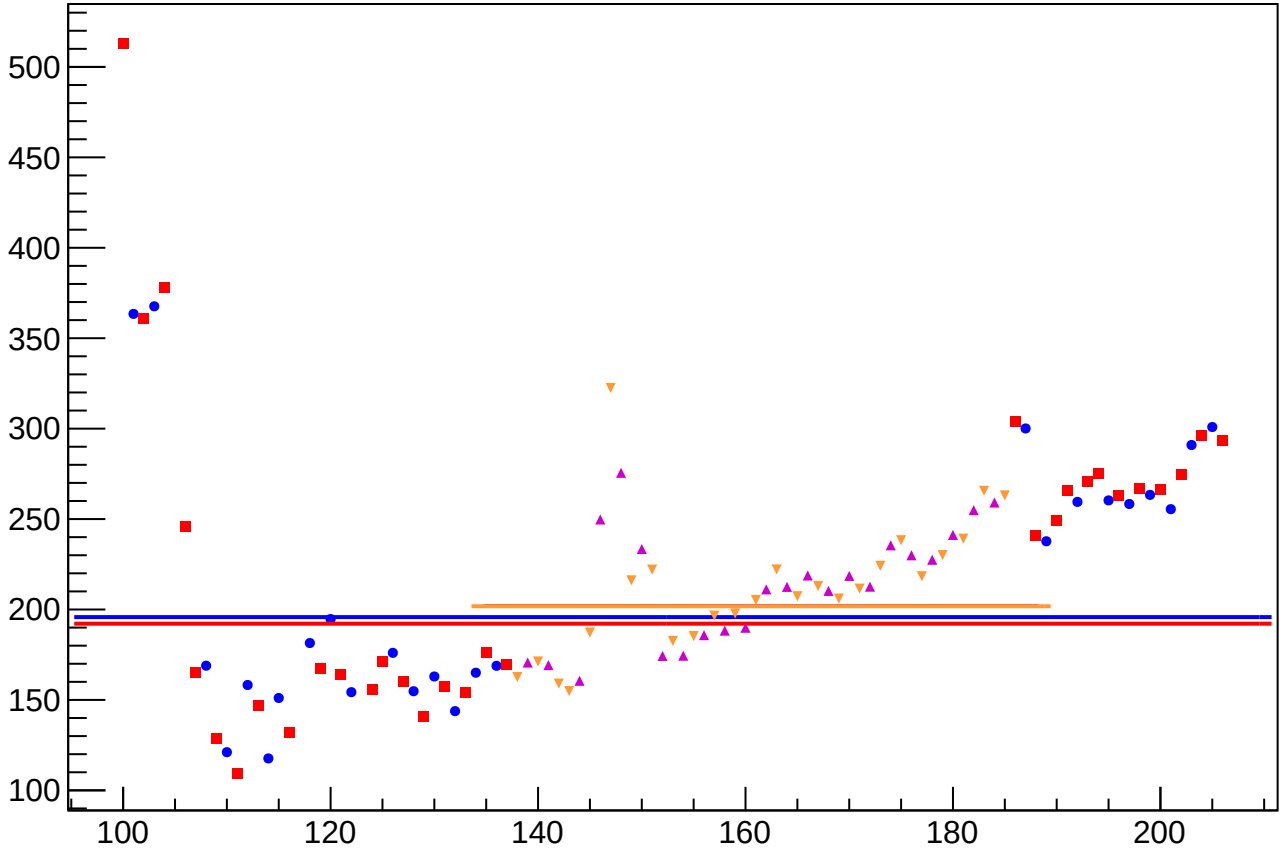
Left In: 131660.490+/-0.048 χ^2/NDF:1164380319.7/22

+ sign 131843.901+/-0.036 χ^2/NDF: 8724000718.4

All: 131939.171+/-0.025 χ^2/NDF: 18157963

- sign 132030.268+/-0.035 χ^2/NDF: 9420111471.9/

yield_bpm0l05WS_rms vs Slug



Right In: 195.793+/-0.039 χ^2/NDF: 2337993.7/24

Left Out: 201.798+/-0.033 χ^2/NDF:905352.1/24

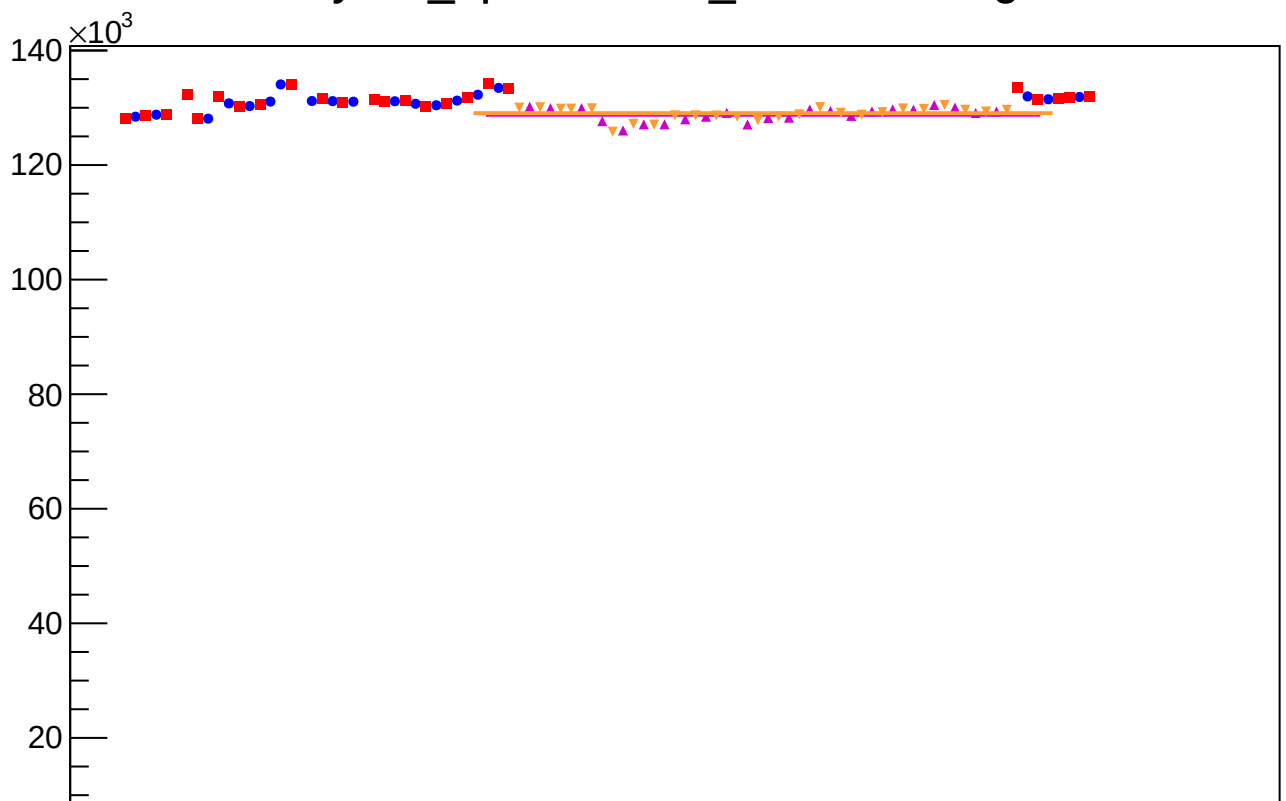
Right Out: 192.157+/-0.036 χ^2/NDF: 3401370.9/30

Left In: 201.947+/-0.034 χ^2/NDF:802700.2/22

+ sign 199.301+/-0.025 χ^2/NDF: 3257014.3/49

All: 198.292+/-0.018 χ^2/NDF: 7503161.0/103

- sign 197.327+/-0.025 χ^2/NDF: 4243041.0/53



Right In: 3864.530+/-0.006 χ^2/NDF: 4977649739512.9/24

Left Out: 129050.458+/-0.045 χ^2/NDF:530879250.1/24

Right Out: 4035.367+/-0.006 χ^2/NDF: 5891974370032.4/30

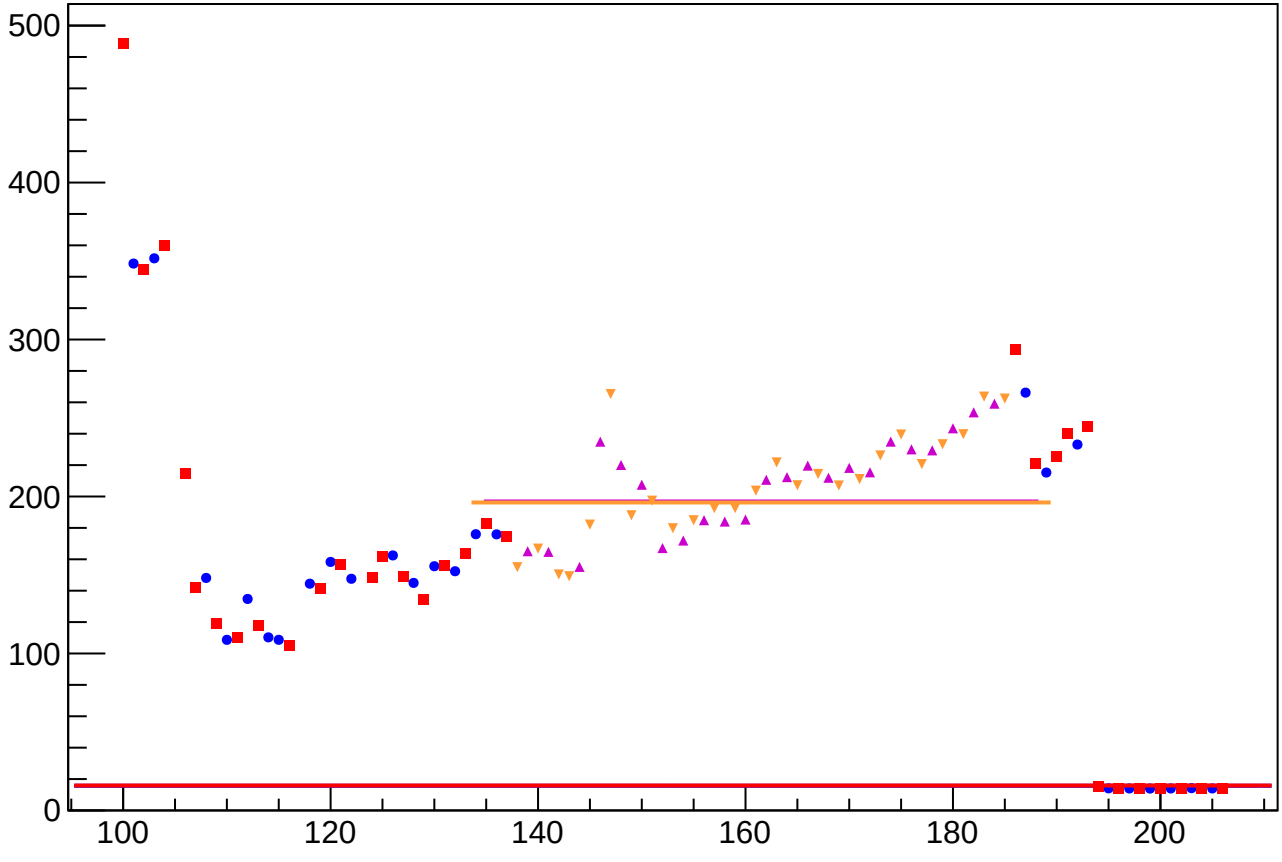
Left In: 128783.852+/-0.047 χ^2/NDF:655675405.6/22

+ sign 6105.731+/-0.006 χ^2/NDF: 12415362356100

All: 6033.690+/-0.004 χ^2/NDF: 2527459463

- sign 5967.456+/-0.006 χ^2/NDF: 12858963408201

yield_bpm0l06WS_rms vs Slug



Right In: 15.726+/-0.004 χ^2/NDF: 14385850.5/24

Left Out: 196.203+/-0.032 χ^2/NDF:922826.1/24

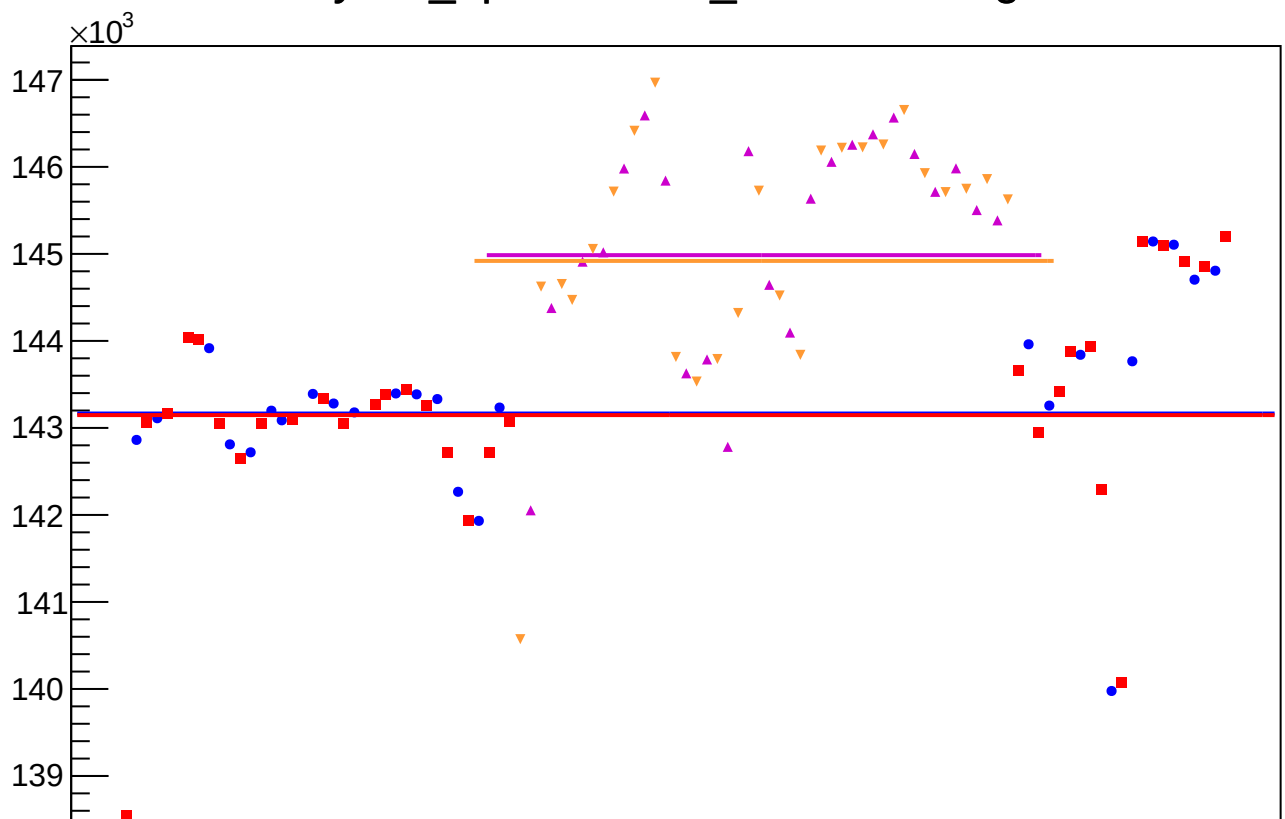
Right Out: 15.879+/-0.004 χ^2/NDF: 16485613.3/30

Left In: 196.840+/-0.033 χ^2/NDF:773052.6/22

+ sign 18.957+/-0.004 χ^2/NDF: 46223887.9/49

All: 18.813+/-0.003 χ^2/NDF: 92802652.4/103

- sign 18.682+/-0.004 χ^2/NDF: 46576635.5/53



Right In: 143165.440+/-0.059 χ^2/NDF: 213272015.4/24

Left Out: 144919.479+/-0.052 χ^2/NDF:835478710.7/24

Right Out: 143147.487+/-0.054 χ^2/NDF: 226856905.4/30

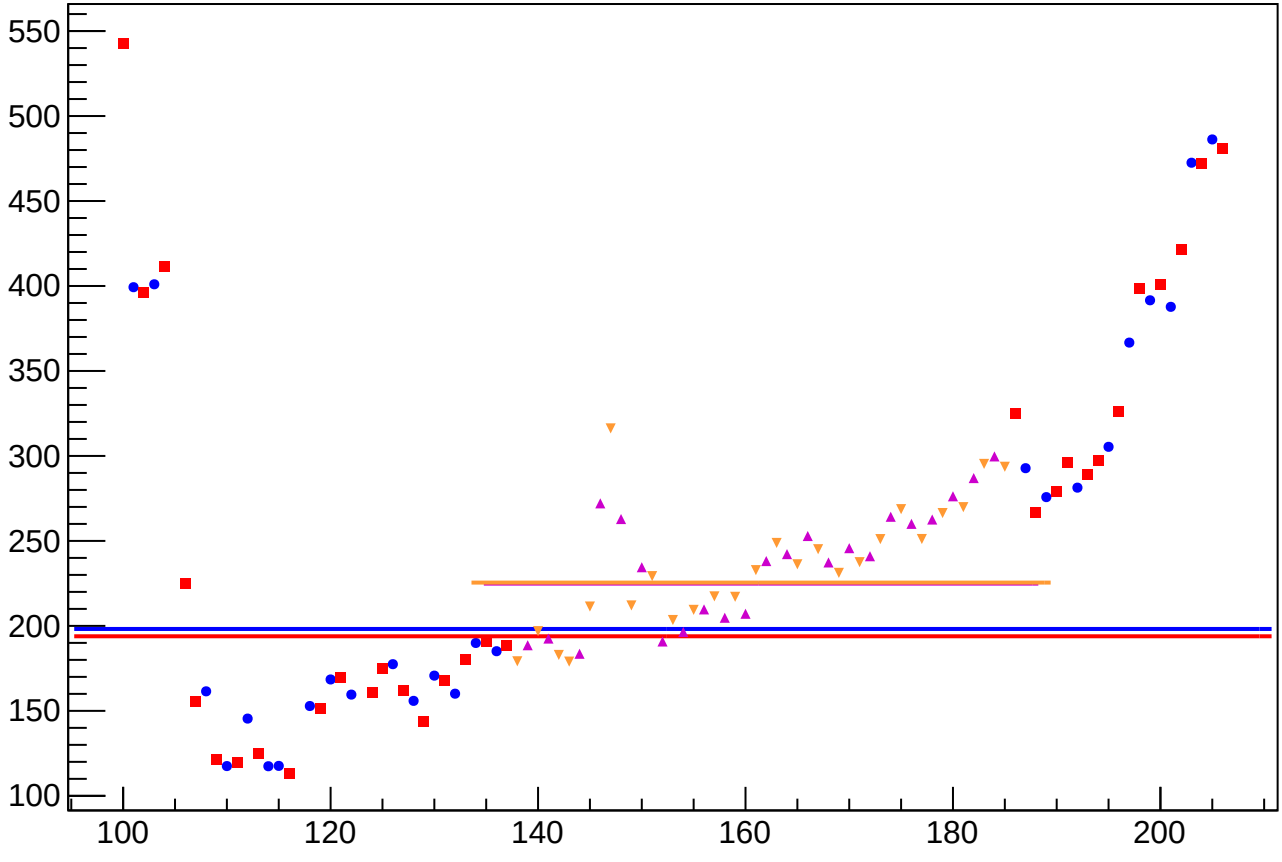
Left In: 144985.586+/-0.054 χ^2/NDF:618782558.7/22

+ sign 144142.554+/-0.039 χ^2/NDF: 1548290048.8

All: 144104.661+/-0.027 χ^2/NDF: 29828834

- sign 144068.789+/-0.038 χ^2/NDF: 1432754118.5/

yield_bpm0l07WS_rms vs Slug



Right In: 198.197+/-0.041 χ^2/NDF: 4535042.7/24

Left Out: 225.478+/-0.037 χ^2/NDF:775365.4/24

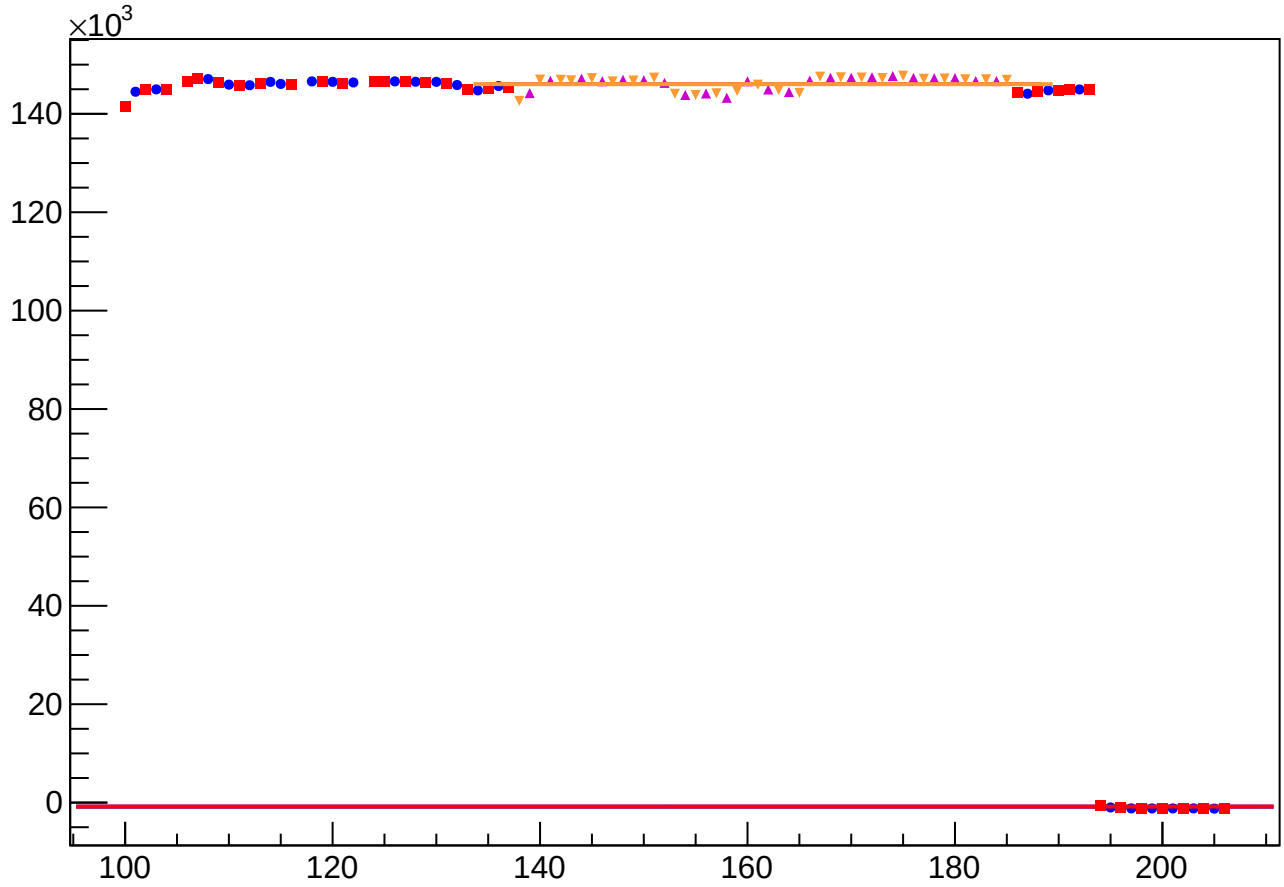
Right Out: 193.885+/-0.038 χ^2/NDF: 5977479.3/30

Left In: 224.869+/-0.038 χ^2/NDF:723816.1/22

+ sign 213.394+/-0.028 χ^2/NDF: 5552099.0/49

All: 211.350+/-0.019 χ^2/NDF: 12597744.6/10

- sign 209.415+/-0.027 χ^2/NDF: 7034937.9/53



Right In: -820.640+/-0.003 χ^2/NDF: 5370125288299.1/24

Left Out: 146042.636+/-0.052 χ^2/NDF:882705044.1/24

Right Out: -805.042+/-0.003 χ^2/NDF: 6461636713825.1/30

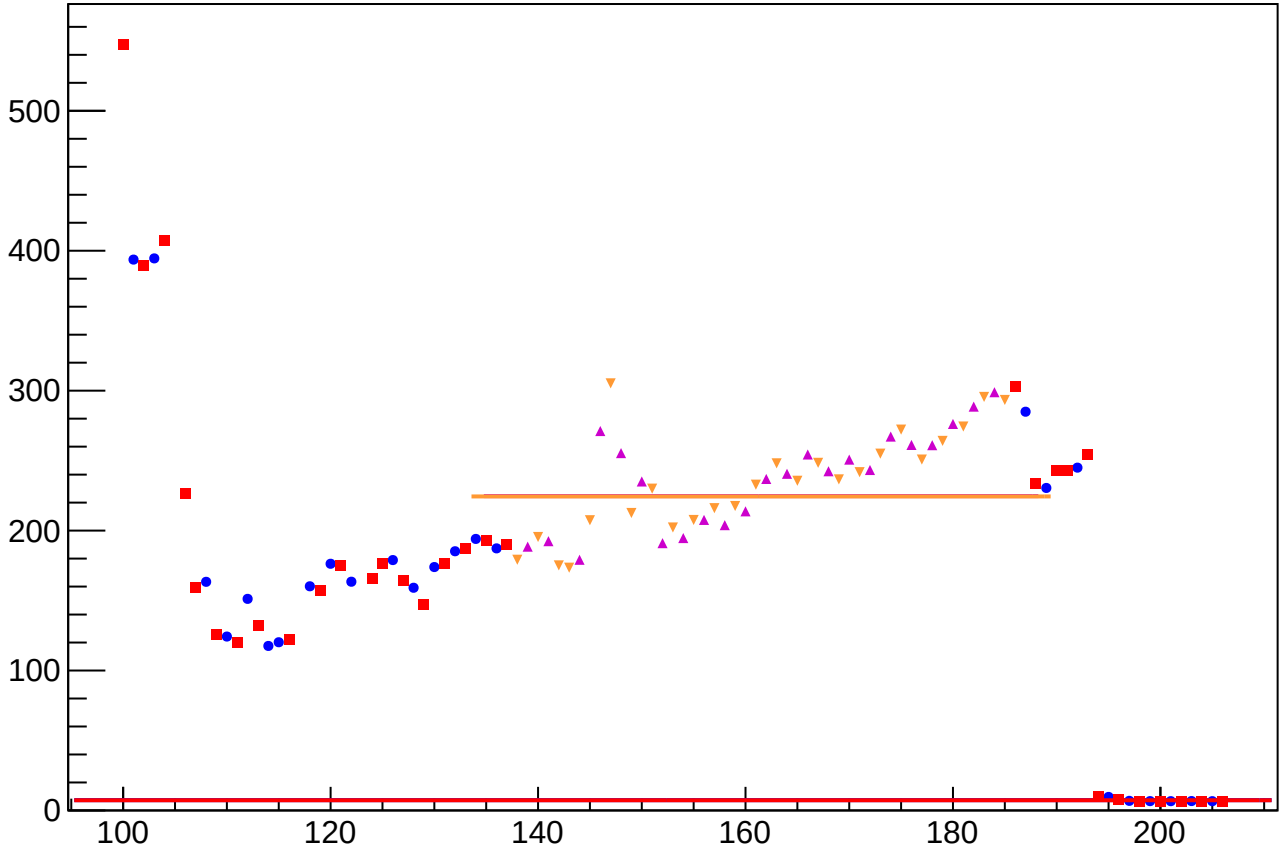
Left In: 146056.687+/-0.054 χ^2/NDF:698743124.4/22

+ sign -304.004+/-0.003 χ^2/NDF: 13316540752233

All: -340.629+/-0.002 χ^2/NDF: 2727512755

- sign -373.106+/-0.003 χ^2/NDF: 13958320827525.

yield_bpm0l08WS_rms vs Slug



Right In: 7.377+/-0.002 χ^2/NDF: 16091893.8/24

Left Out: 224.409+/-0.037 χ^2/NDF:849100.4/24

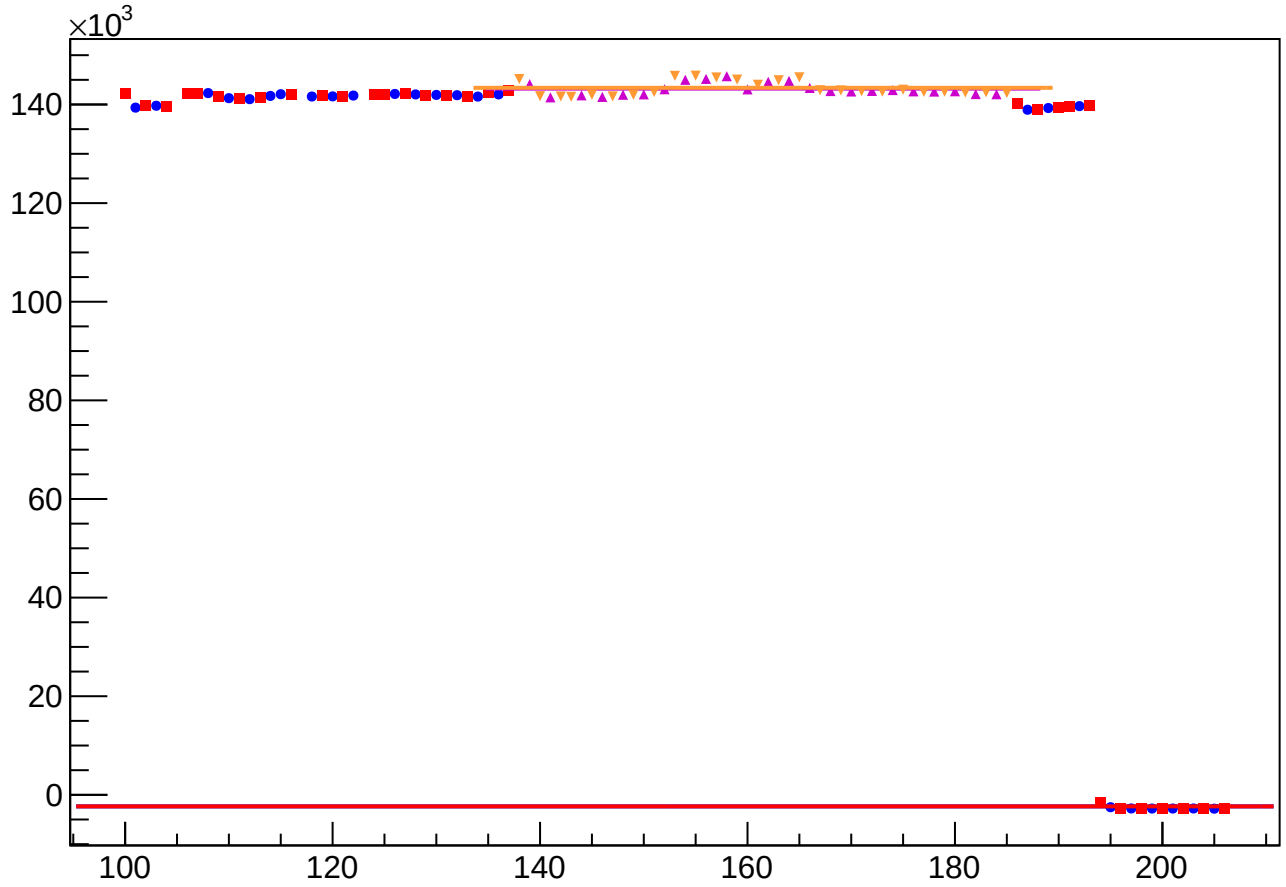
Right Out: 7.298+/-0.002 χ^2/NDF: 18419562.6/30

Left In: 224.655+/-0.038 χ^2/NDF:756996.8/22

+ sign 8.140+/-0.002 χ^2/NDF: 51644837.7/49

All: 8.032+/-0.001 χ^2/NDF: 103664856.6/103

- sign 7.937+/-0.002 χ^2/NDF: 52015427.7/53



Right In: -2344.140+/-0.003 χ^2/NDF: 4958297277762.9/24

Left Out: 143386.915+/-0.054 χ^2/NDF:784001363.1/24

Right Out: -2337.407+/-0.003 χ^2/NDF: 5829967559782.9/30

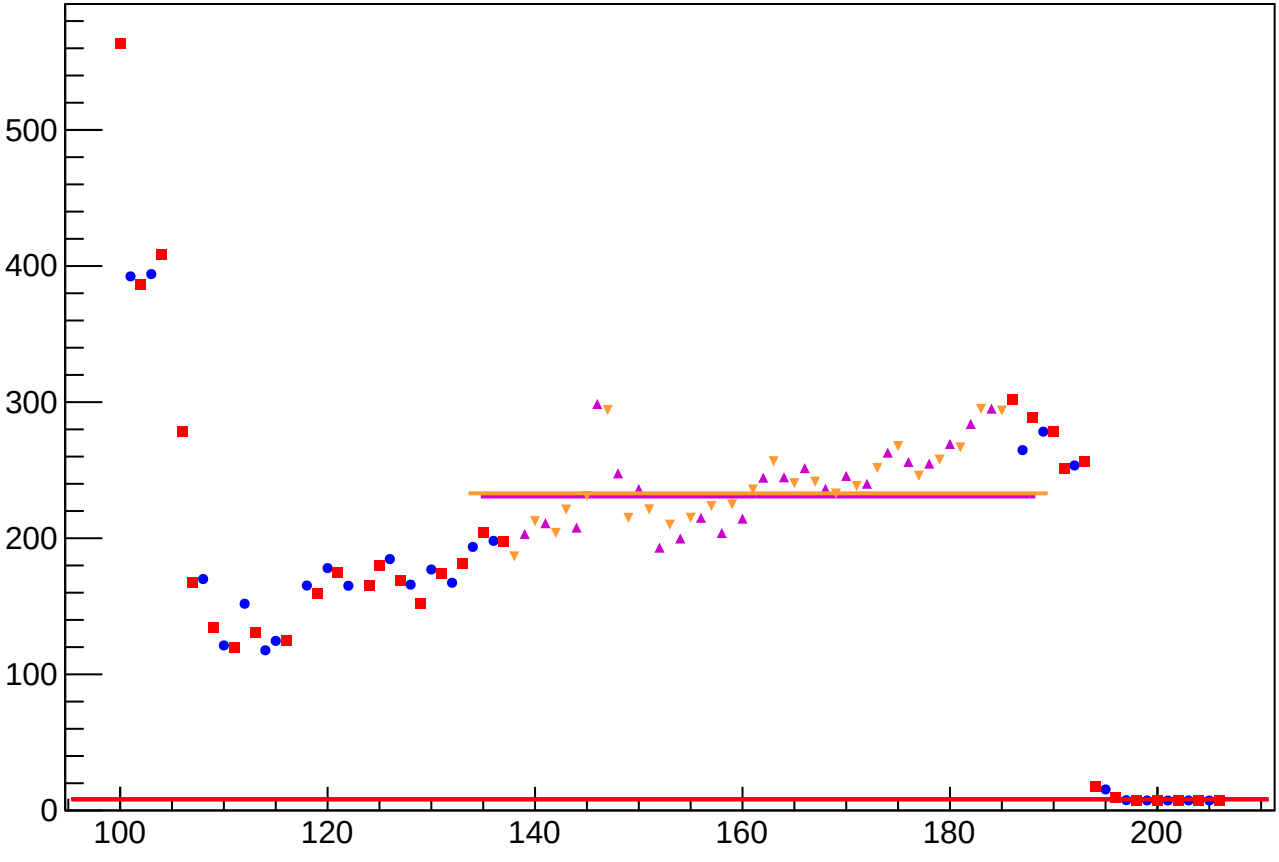
Left In: 143221.802+/-0.055 χ^2/NDF:540234973.1/22

+ sign -1730.433+/-0.003 χ^2/NDF: 1229715140188

All: -1780.425+/-0.002 χ^2/NDF: 2515089737

- sign -1824.094+/-0.003 χ^2/NDF: 1285336017052

yield_bpm0l09WS_rms vs Slug



Right In: 8.244+/-0.002 χ^2/NDF: 16245762.6/24

Left Out: 233.007+/-0.038 χ^2/NDF:446120.9/24

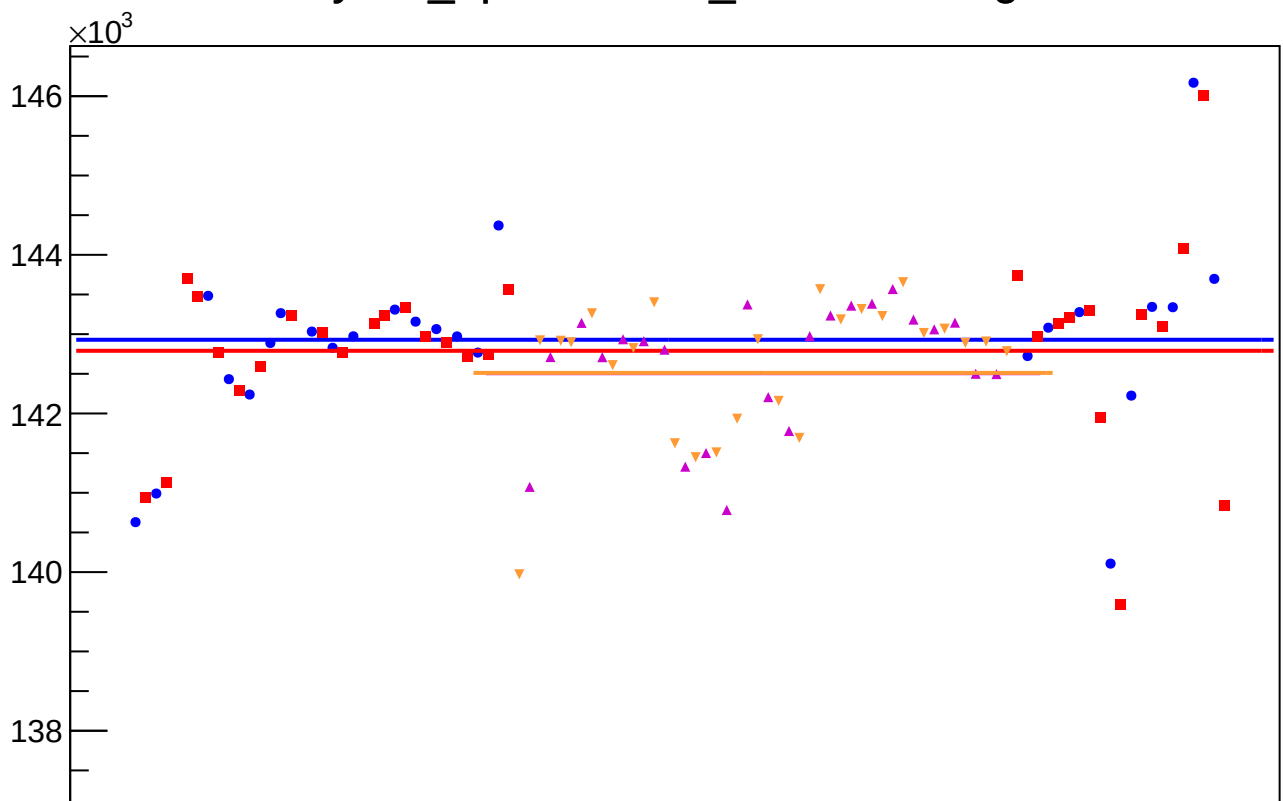
Right Out: 8.126+/-0.002 χ^2/NDF: 18461304.0/30

Left In: 230.693+/-0.039 χ^2/NDF:512017.9/22

+ sign 9.190+/-0.002 χ^2/NDF: 51602559.1/49

All: 9.041+/-0.002 χ^2/NDF: 103421508.9/103

- sign 8.911+/-0.002 χ^2/NDF: 51812072.0/53



Right In: 142929.304+/-0.061 χ^2/NDF: 239478096.6/24

Left Out: 142511.381+/-0.051 χ^2/NDF:338087157.2/24

Right Out: 142790.212+/-0.056 χ^2/NDF: 215759565.0/30

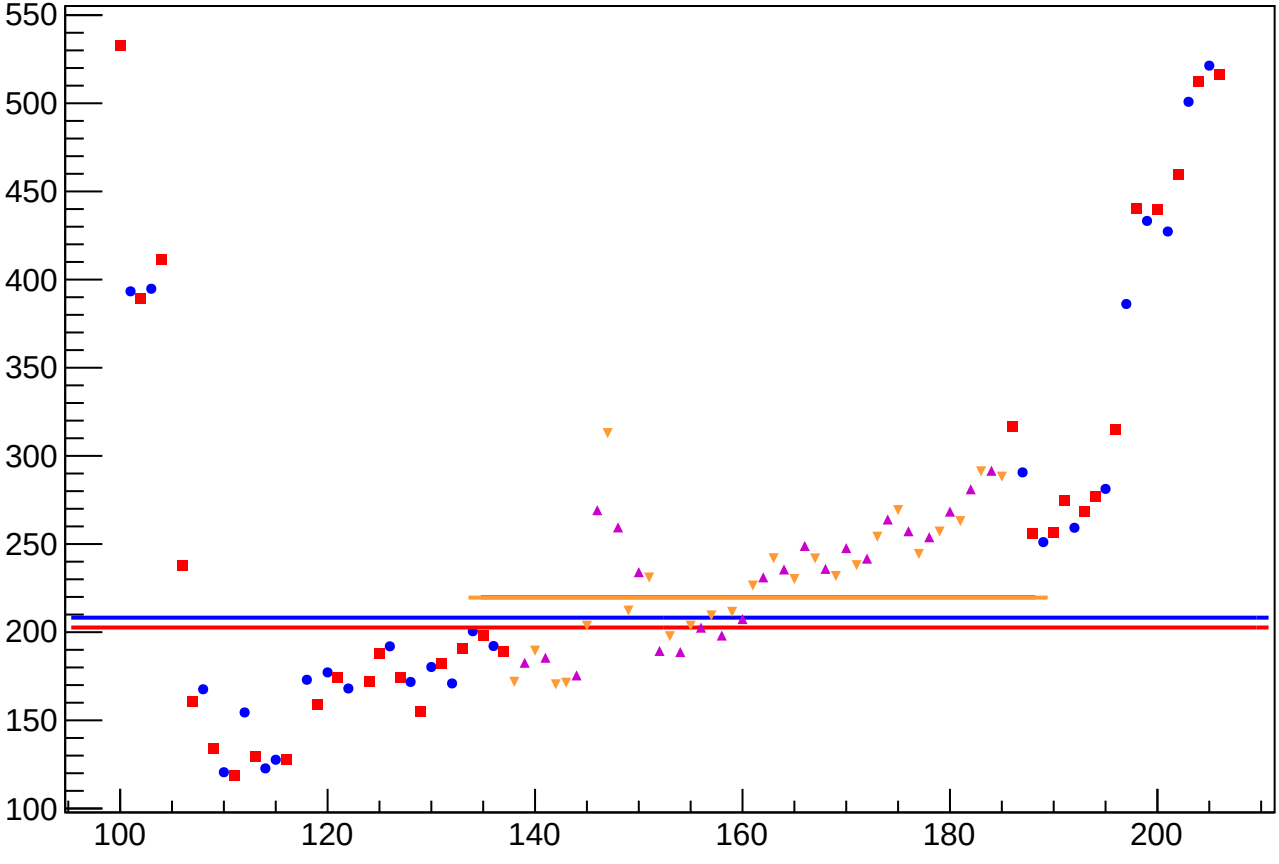
Left In: 142507.563+/-0.052 χ^2/NDF:269272097.4/22

+ sign 142682.042+/-0.039 χ^2/NDF: 605094696.6/4

All: 142660.495+/-0.027 χ^2/NDF: 11043482

- sign 142639.980+/-0.038 χ^2/NDF: 498662301.6/5

yield_bpm0l10WS_rms vs Slug



Right In: 208.246+/-0.043 χ^2/NDF: 4240344.3/24

Left Out: 219.618+/-0.036 χ^2/NDF:902026.4/24

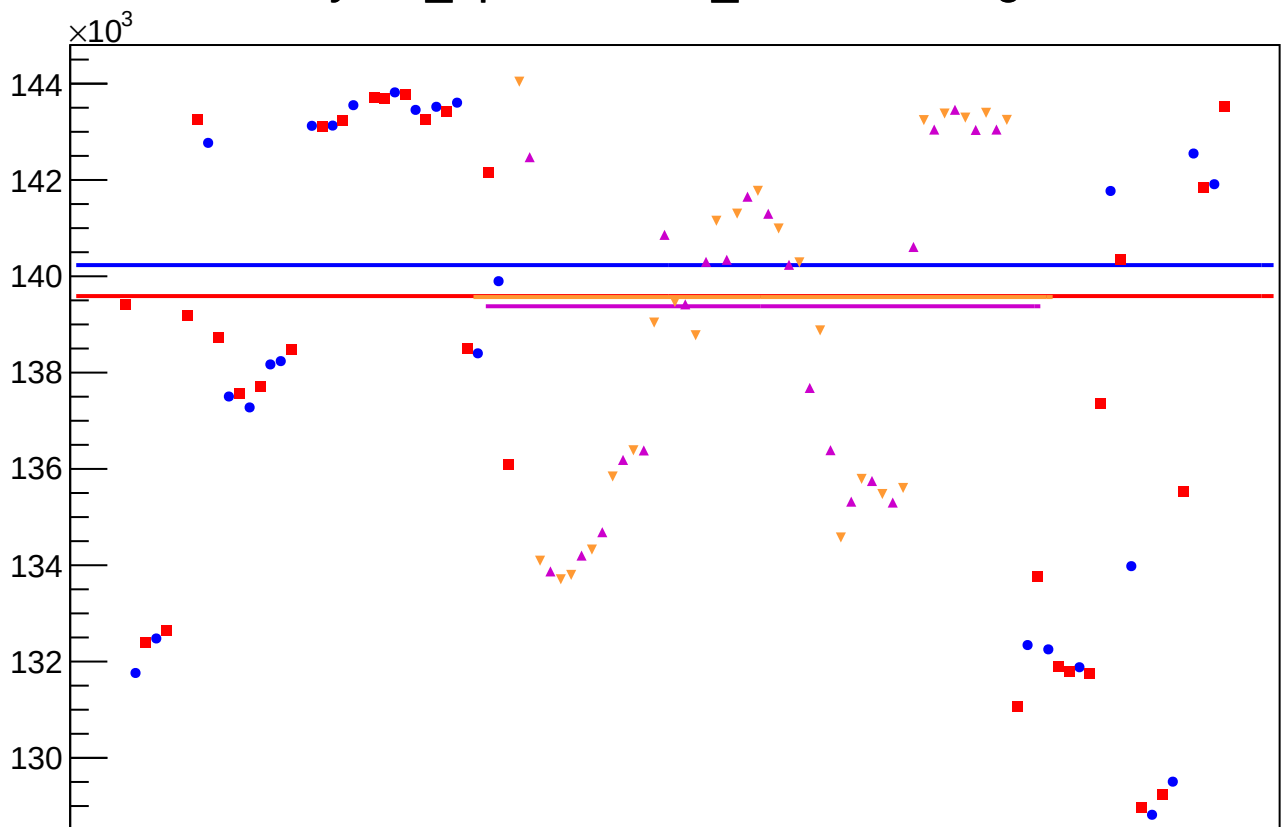
Right Out: 202.654+/-0.039 χ^2/NDF: 5617700.5/30

Left In: 219.813+/-0.037 χ^2/NDF:805501.8/22

+ sign 214.974+/-0.028 χ^2/NDF: 5183134.2/49

All: 213.335+/-0.019 χ^2/NDF: 11713646.7/10

- sign 211.775+/-0.027 χ^2/NDF: 6523669.5/53



Right In: 140232.135+/-0.087 χ^2/NDF: 2580694247.3/24

Left Out: 139568.750+/-0.070 χ^2/NDF:2586638805.4/24

Right Out: 139589.054+/-0.084 χ^2/NDF: 2763103015.2/30

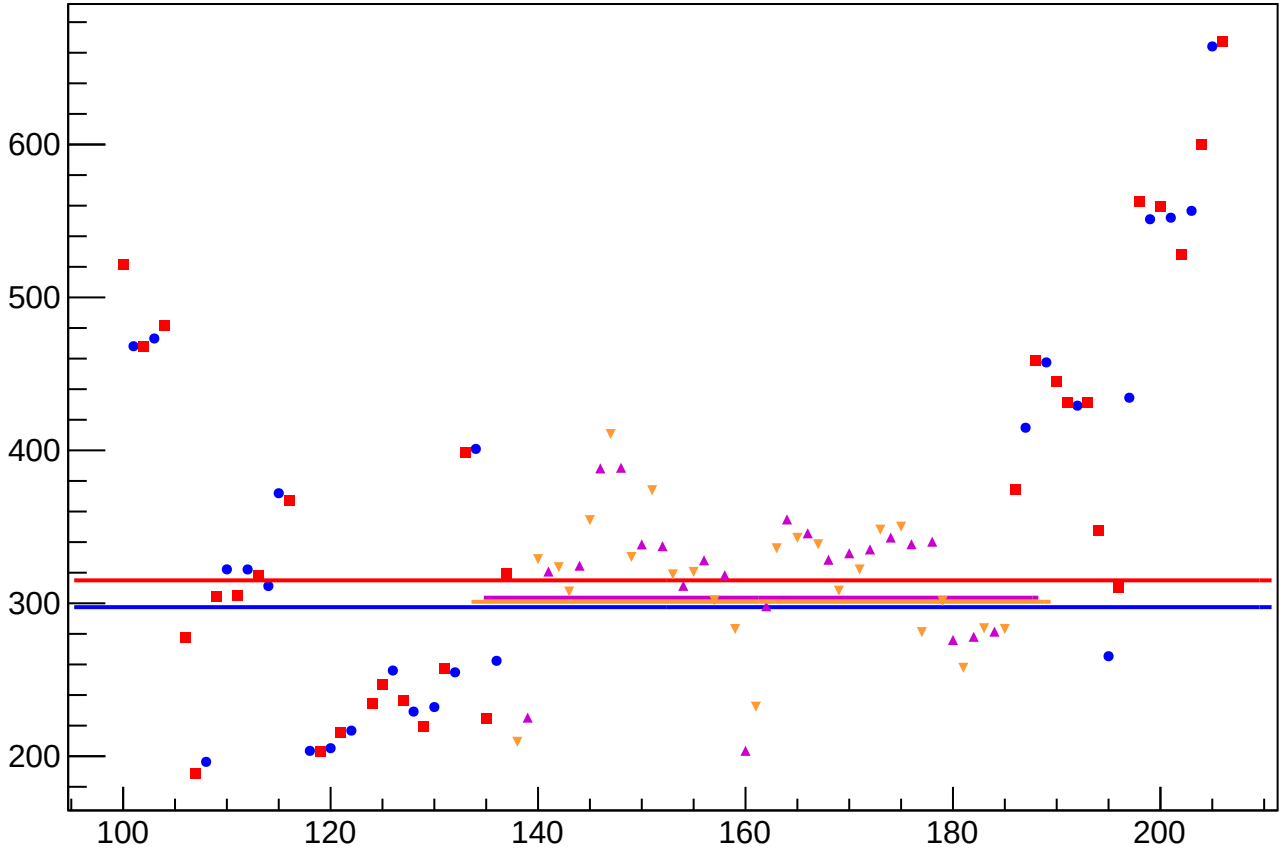
Left In: 139377.582+/-0.073 χ^2/NDF:1921434868.2/22

+ sign 139831.184+/-0.054 χ^2/NDF: 5202836414.2

All: 139652.093+/-0.039 χ^2/NDF: 99129133

- sign 139467.996+/-0.055 χ^2/NDF: 4688130552.2/

yield_bpm0r03WS_rms vs Slug



Right In: 297.469+/-0.061 χ^2/NDF: 3421753.9/24

Left Out: 300.964+/-0.050 χ^2/NDF:876889.9/24

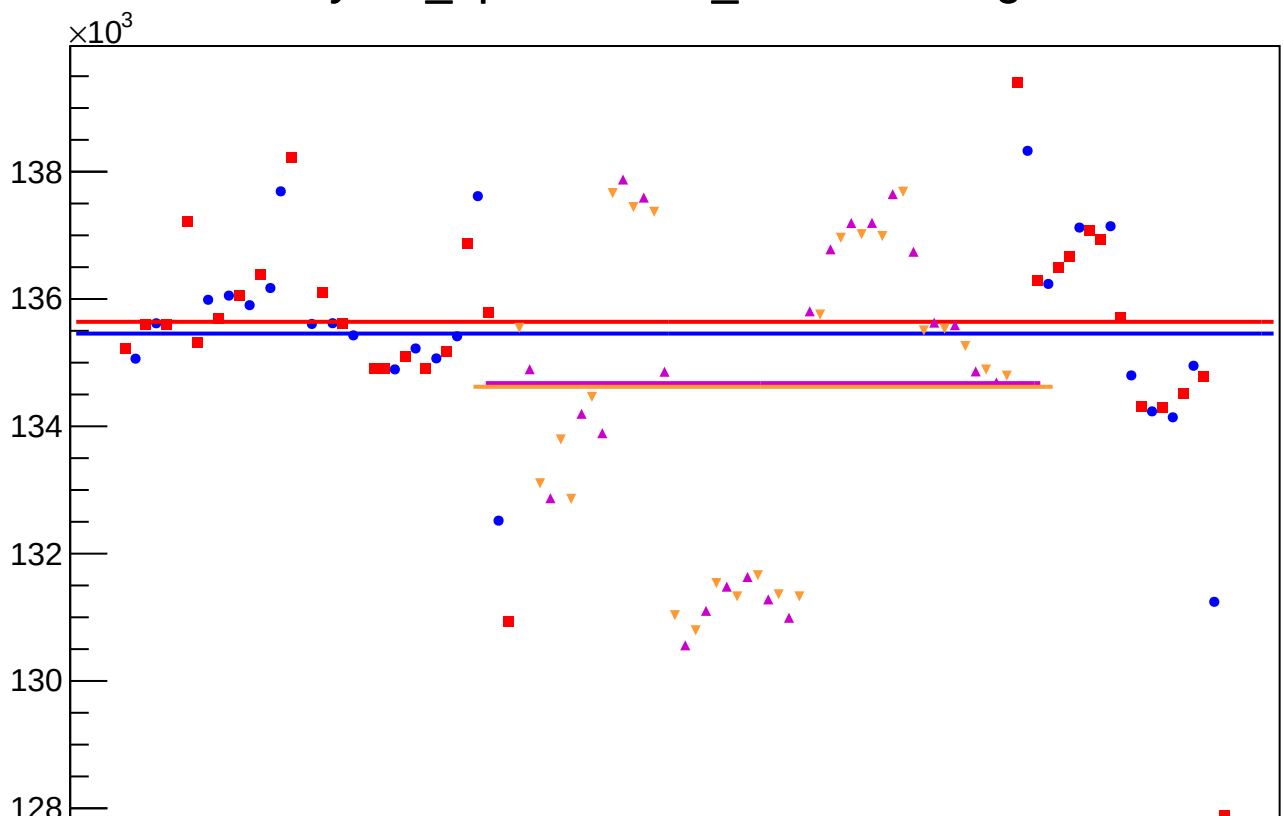
Right Out: 314.999+/-0.060 χ^2/NDF: 3894849.9/30

Left In: 303.658+/-0.052 χ^2/NDF:976252.9/22

+ sign 299.581+/-0.038 χ^2/NDF: 4300615.0/49

All: 303.983+/-0.027 χ^2/NDF: 9218889.4/103

- sign 308.507+/-0.039 χ^2/NDF: 4891765.1/53



Right In: 135456.970+/-0.082 χ^2/NDF: 283910404.0/24

Left Out: 134620.993+/-0.064 χ^2/NDF:1201492843.7/24

Right Out: 135641.615+/-0.073 χ^2/NDF: 539200621.9/30

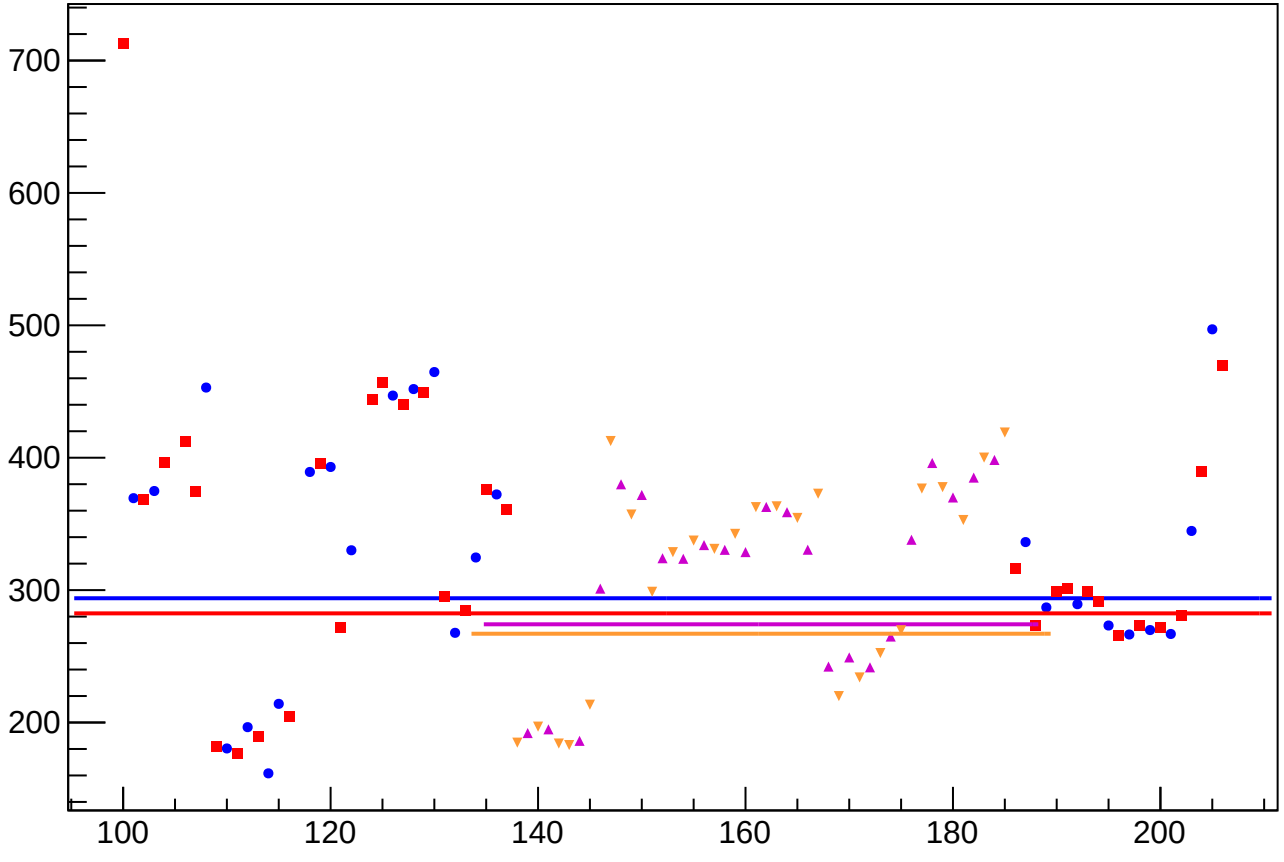
Left In: 134678.497+/-0.067 χ^2/NDF:1096295429.9/22

+ sign 134935.346+/-0.050 χ^2/NDF: 1550095833.8

All: 135027.637+/-0.035 χ^2/NDF: 3286448

- sign 135116.482+/-0.049 χ^2/NDF: 1729757194.2/

yield_bpm0r05WS_rms vs Slug



Right In: 293.855+/-0.058 χ^2/NDF: 1834349.9/24

Left Out: 267.053+/-0.045 χ^2/NDF:2843307.1/24

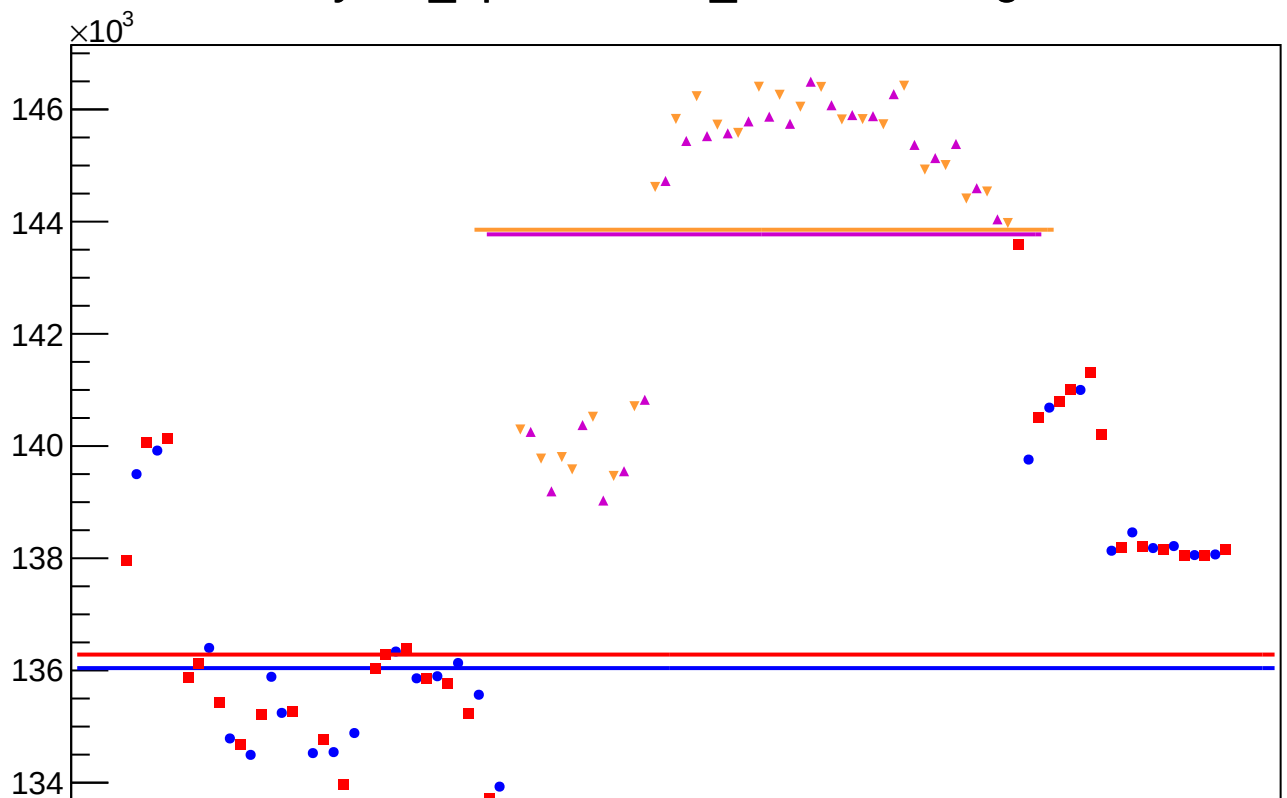
Right Out: 282.433+/-0.052 χ^2/NDF: 2200839.9/30

Left In: 274.177+/-0.047 χ^2/NDF:2236755.2/22

+ sign 277.132+/-0.036 χ^2/NDF: 4810649.6/49

All: 277.539+/-0.025 χ^2/NDF: 9262352.7/103

- sign 277.931+/-0.035 χ^2/NDF: 4451446.0/53



Right In: 136042.119+/-0.048 χ^2/NDF: 1468046598.5/24

Left Out: 143855.894+/-0.048 χ^2/NDF:3130204188.4/24

Right Out: 136283.358+/-0.045 χ^2/NDF: 2177336257.1/30

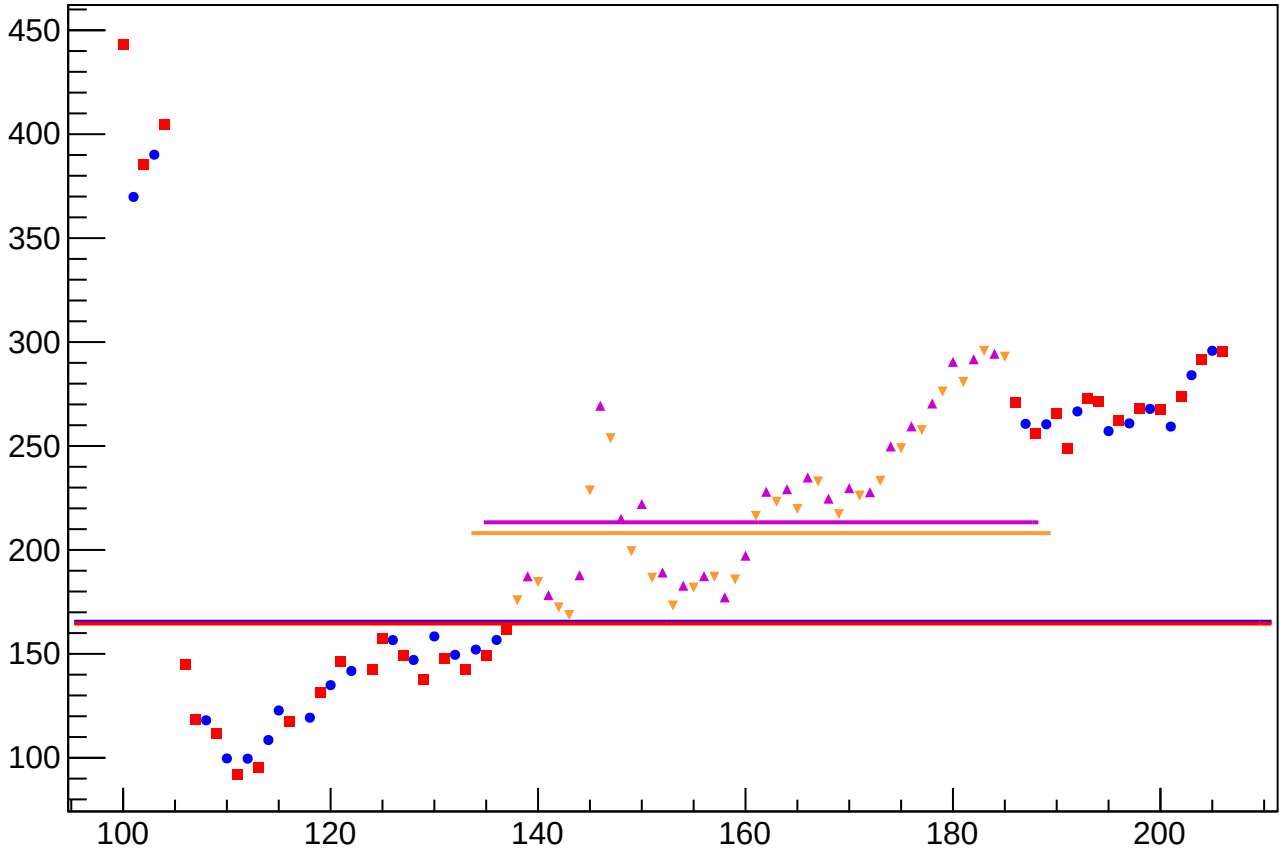
Left In: 143773.112+/-0.051 χ^2/NDF:2803362782.2/22

+ sign 139945.750+/-0.034 χ^2/NDF: 17676310703.

All: 139754.278+/-0.024 χ^2/NDF: 34866468

- sign 139567.744+/-0.034 χ^2/NDF: 17128143943.5

yield_bpm0i02WS_rms vs Slug



Right In: 165.456+/-0.034 χ^2/NDF: 3982568.0/24

Left Out: 208.100+/-0.034 χ^2/NDF:993011.6/24

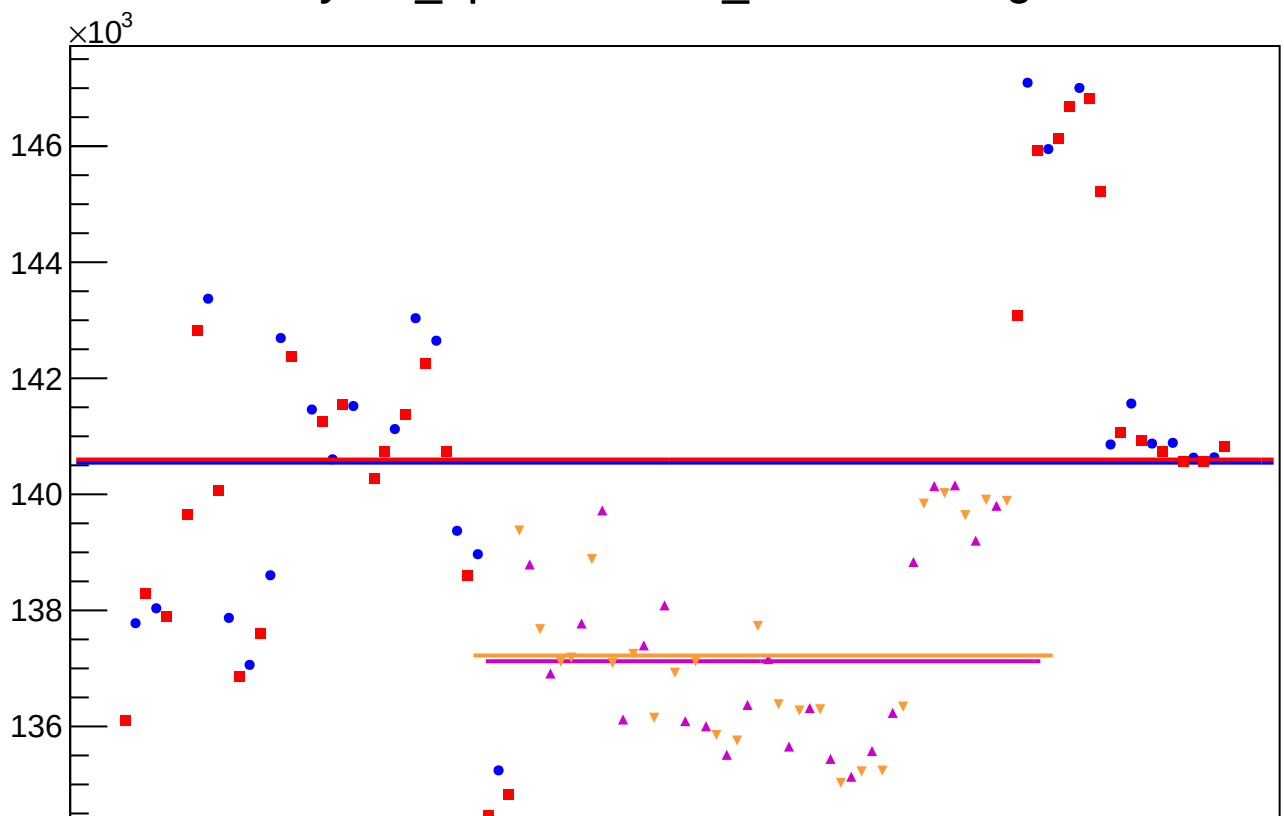
Right Out: 164.608+/-0.032 χ^2/NDF: 5181099.5/30

Left In: 213.288+/-0.036 χ^2/NDF:865525.4/22

+ sign 186.760+/-0.024 χ^2/NDF: 5754652.6/49

All: 186.352+/-0.017 χ^2/NDF: 12828132.0/10

- sign 185.955+/-0.024 χ^2/NDF: 7072916.6/53



Right In: 140546.439+/-0.054 χ^2/NDF: 2807530731.3/24

Left Out: 137223.651+/-0.049 χ^2/NDF:894565924.0/24

Right Out: 140599.867+/-0.051 χ^2/NDF: 3239694280.7/30

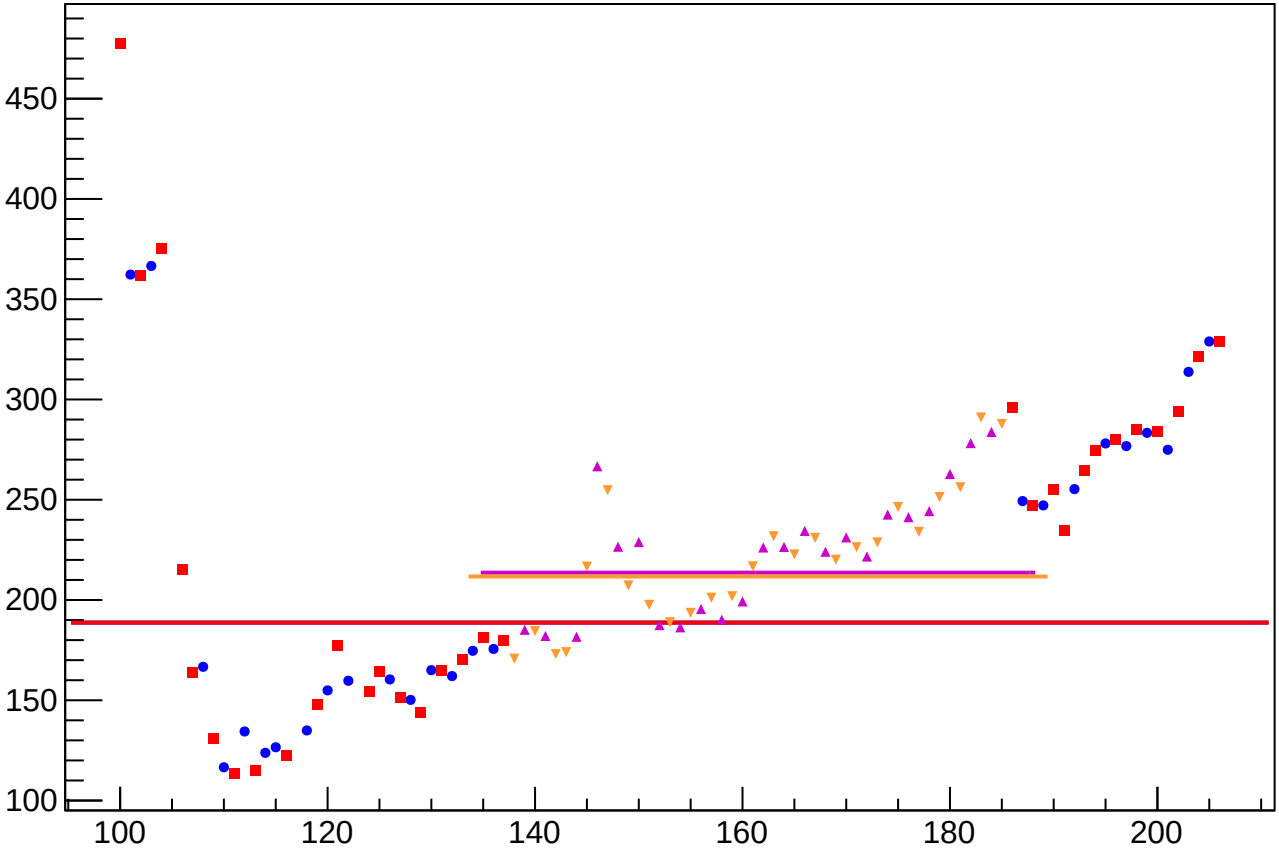
Left In: 137123.557+/-0.051 χ^2/NDF:860635149.0/22

+ sign 138724.477+/-0.036 χ^2/NDF: 5775135310.9

All: 138800.962+/-0.026 χ^2/NDF: 12234307

- sign 138875.500+/-0.036 χ^2/NDF: 6450414850.3/

yield_bpm0i02aWS_rms vs Slug



Right In: 188.770+/-0.038 χ^2/NDF: 3008487.0/24

Left Out: 211.714+/-0.035 χ^2/NDF:675587.4/24

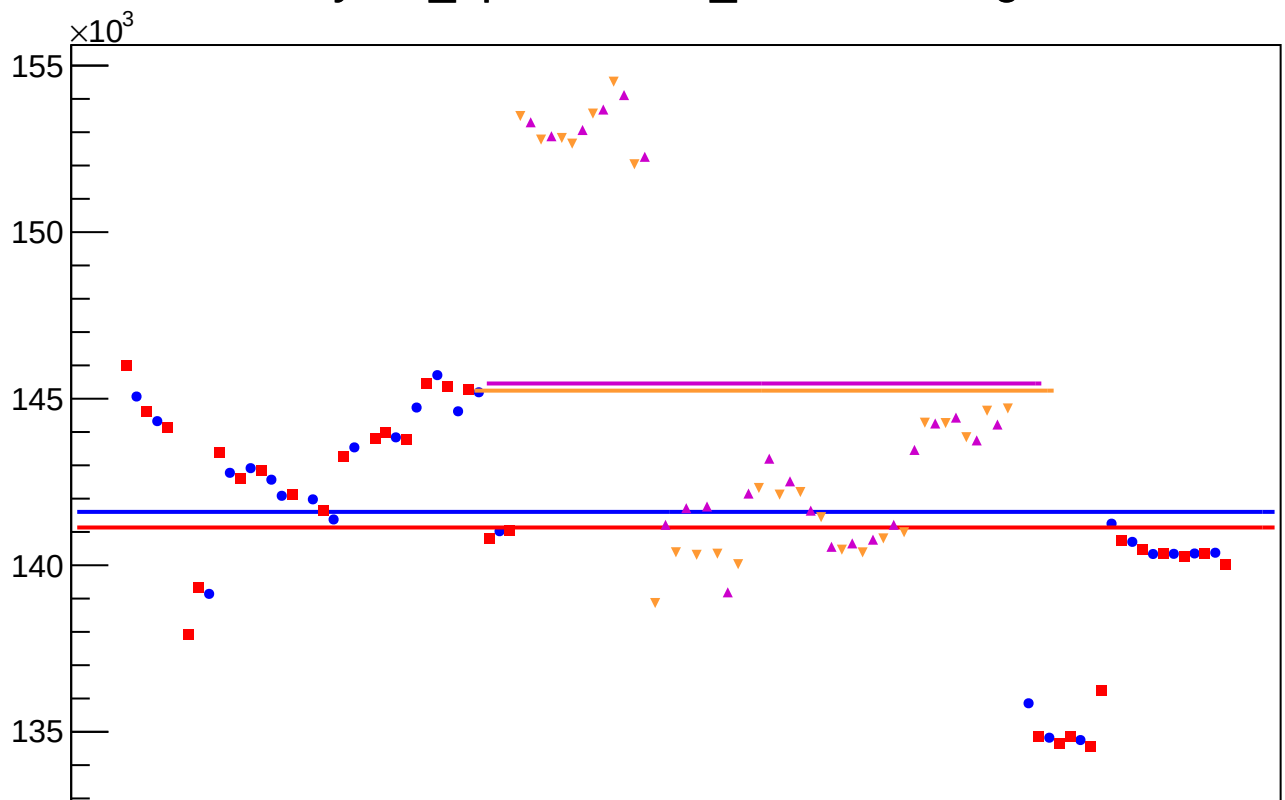
Right Out: 188.701+/-0.036 χ^2/NDF: 4003487.1/30

Left In: 213.641+/-0.036 χ^2/NDF:621332.1/22

+ sign 201.351+/-0.026 χ^2/NDF: 3881746.5/49

All: 201.210+/-0.018 χ^2/NDF: 8748528.4/103

- sign 201.072+/-0.025 χ^2/NDF: 4866722.3/53



Right In: 141602.473+/-0.055 χ^2/NDF: 2763436617.2/24

Left Out: 145242.337+/-0.050 χ^2/NDF:13032998081.1/24

Right Out: 141134.029+/-0.050 χ^2/NDF: 4409073645.4/30

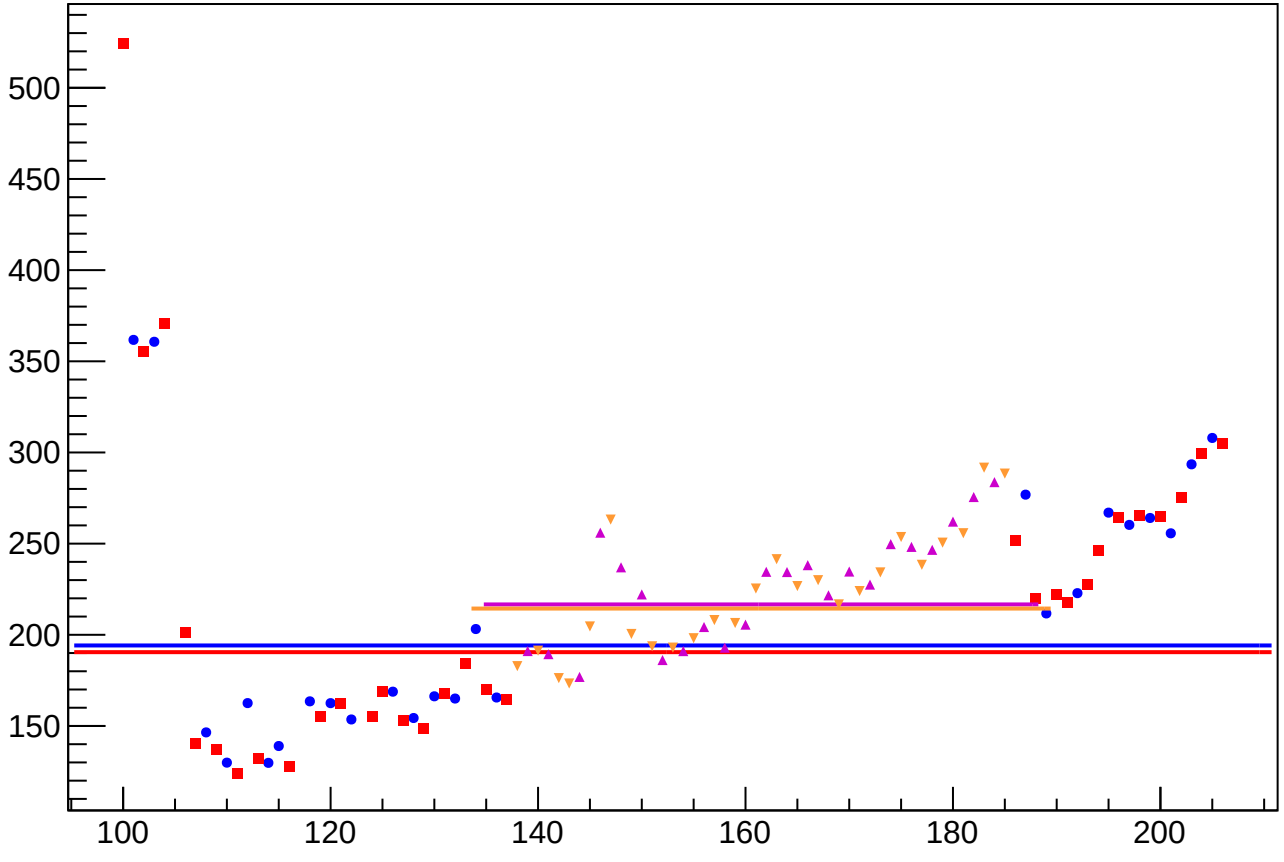
Left In: 145456.704+/-0.052 χ^2/NDF:11073020116.4/22

+ sign 143598.671+/-0.037 χ^2/NDF: 18226215266.

All: 143410.050+/-0.026 χ^2/NDF: 37377992

- sign 143229.873+/-0.036 χ^2/NDF: 19100262912.7

yield_bpm0i05WS_rms vs Slug



Right In: 194.152+/-0.039 χ^2/NDF: 2179764.5/24

Left Out: 214.391+/-0.035 χ^2/NDF:643384.3/24

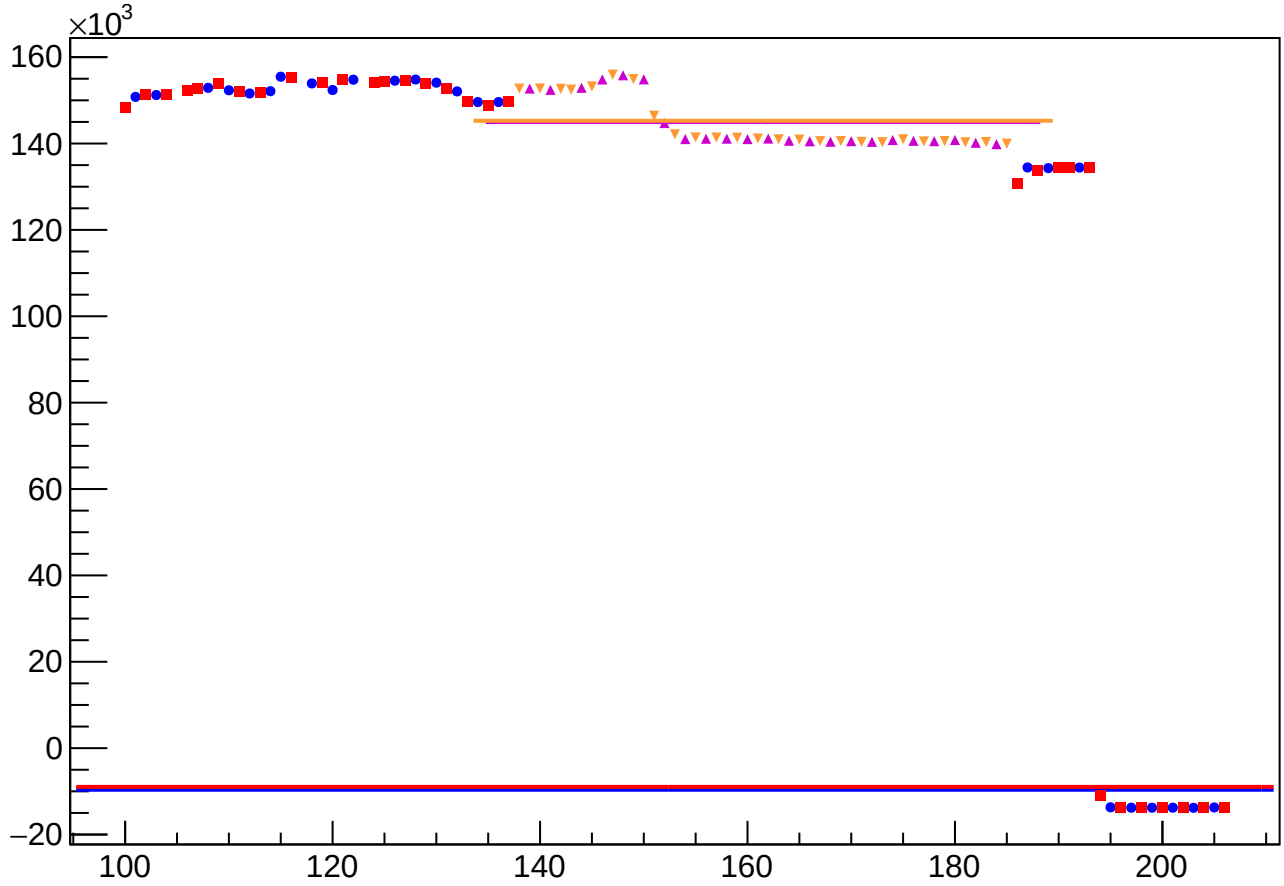
Right Out: 190.481+/-0.035 χ^2/NDF: 2897000.3/30

Left In: 216.654+/-0.036 χ^2/NDF:587166.8/22

\+ sign 205.252+/-0.026 χ^2/NDF: 2973400.6/49

All: 204.188+/-0.018 χ^2/NDF: 6726131.9/103

\- sign 203.171+/-0.025 χ^2/NDF: 3749452.7/53



Right In: -9631.112+/-0.011 χ^2/NDF: 5832626212571.5/24

Left Out: 145269.857+/-0.049 χ^2/NDF:13706269279.5/24

Right Out: -8965.225+/-0.010 χ^2/NDF: 7105444131591.2/30

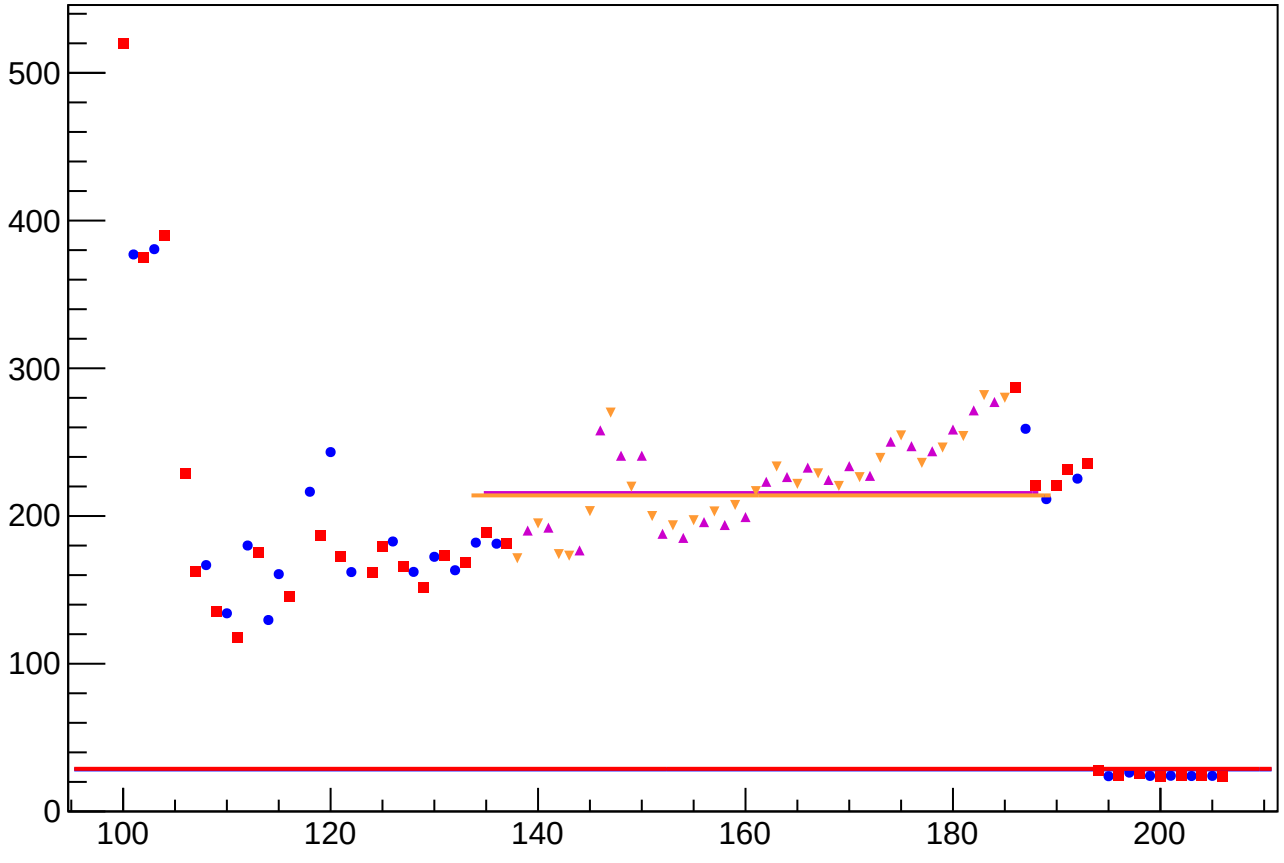
Left In: 144966.398+/-0.051 χ^2/NDF:13154547043.3/22

+ sign -2761.752+/-0.010 χ^2/NDF: 1524732373948

All: -2965.960+/-0.007 χ^2/NDF: 3106281857

- sign -3152.862+/-0.010 χ^2/NDF: 15814756464152

yield_bpm0i07WS_rms vs Slug



Right In: 28.457+/-0.008 χ^2/NDF: 12585534.2/24

Left Out: 213.951+/-0.035 χ^2/NDF:650607.8/24

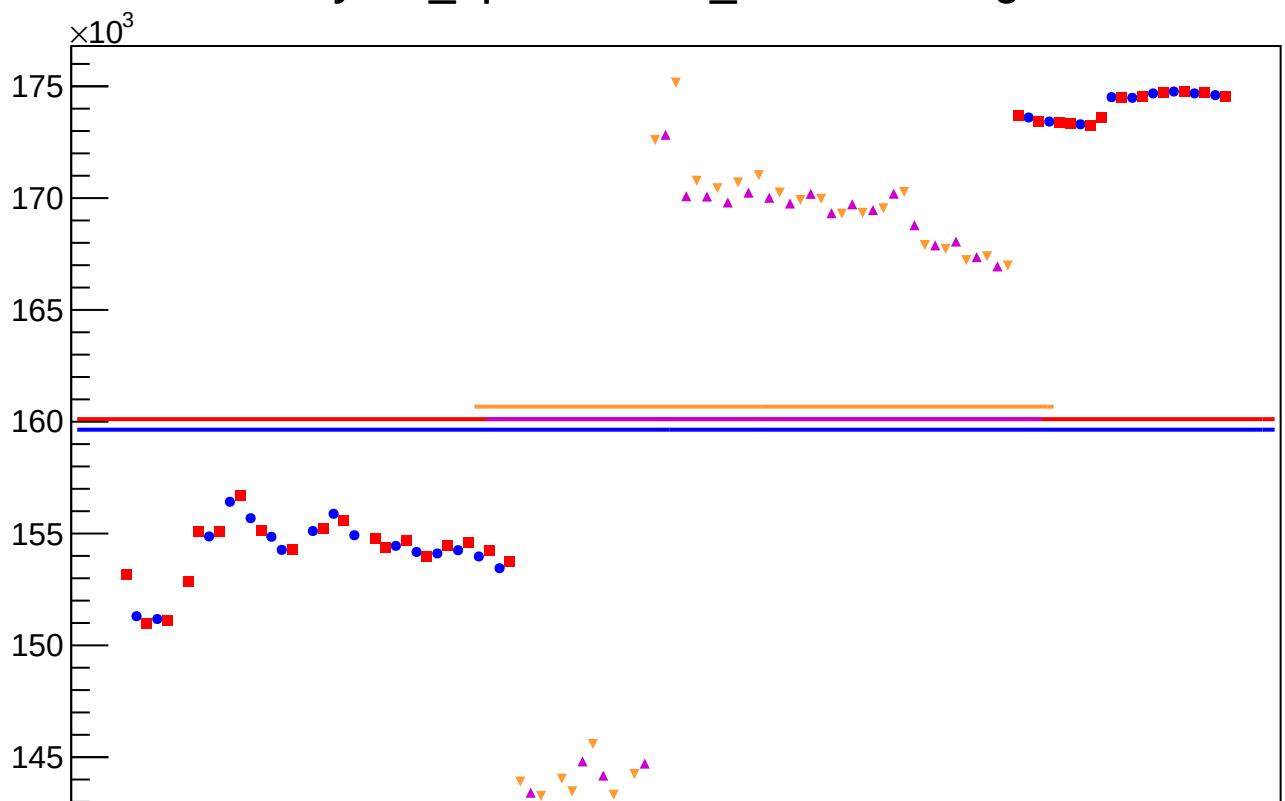
Right Out: 28.861+/-0.007 χ^2/NDF: 14370701.6/30

Left In: 215.539+/-0.036 χ^2/NDF:600575.7/22

+ sign 36.683+/-0.007 χ^2/NDF: 40198302.1/49

All: 36.280+/-0.005 χ^2/NDF: 80754457.6/103

- sign 35.910+/-0.007 χ^2/NDF: 40550382.3/53



Right In: 159644.340+/-0.056 χ^2/NDF: 22887231874.7/24

Left Out: 160674.818+/-0.047 χ^2/NDF:74155131898.4/24

Right Out: 160116.035+/-0.052 χ^2/NDF: 27881264448.9/30

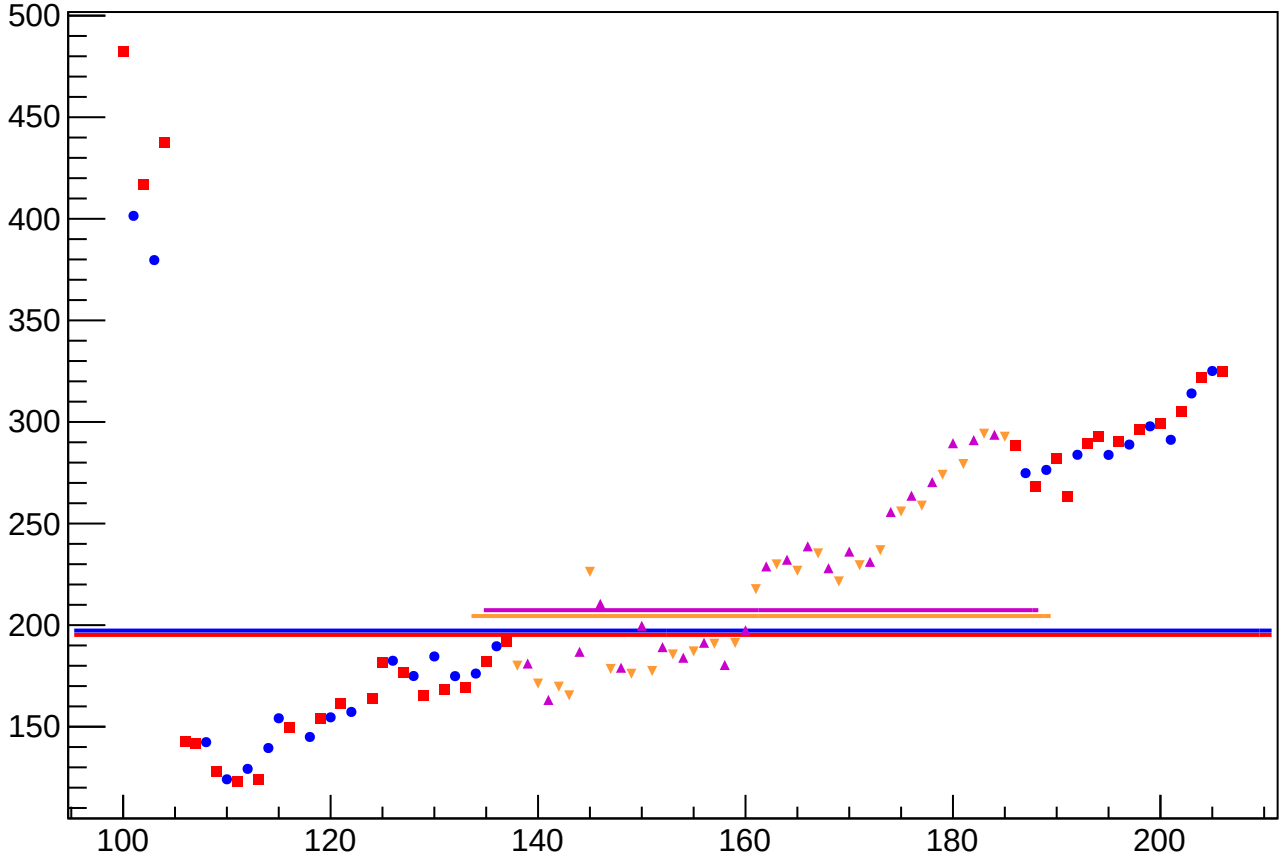
Left In: 160117.460+/-0.049 χ^2/NDF:66553191753.2/22

+ sign 160248.480+/-0.036 χ^2/NDF: 97237975398.

All: 160181.752+/-0.025 χ^2/NDF: 19167910

- sign 160116.784+/-0.036 χ^2/NDF: 94434456596.

yield_bpm1i02WS_rms vs Slug



Right In: 197.323+/-0.040 χ^2/NDF: 3075852.5/24

Left Out: 204.476+/-0.034 χ^2/NDF:1073199.0/24

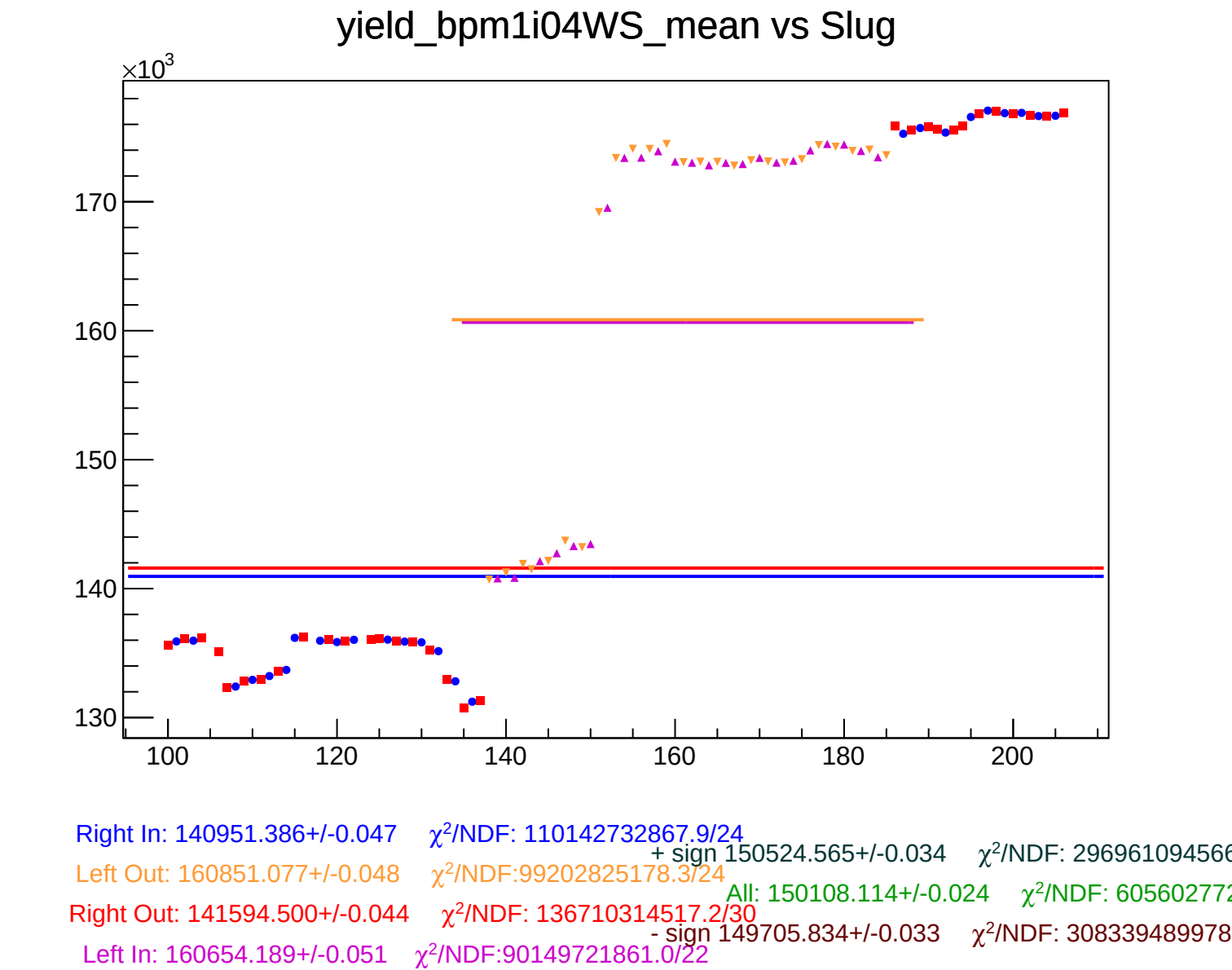
Right Out: 195.188+/-0.037 χ^2/NDF: 4111836.8/30

Left In: 207.368+/-0.035 χ^2/NDF:956644.0/22

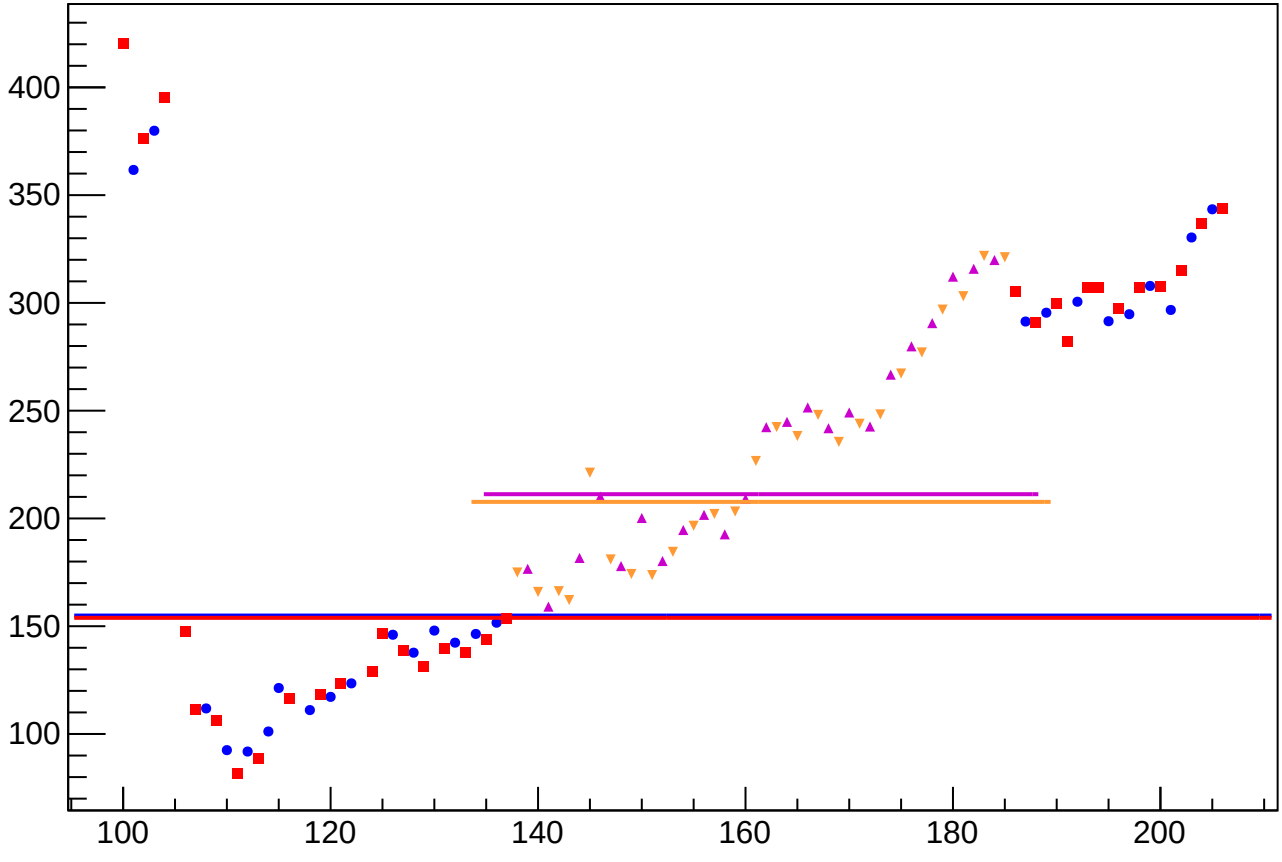
+ sign 201.517+/-0.026 χ^2/NDF: 4167901.0/49

All: 201.553+/-0.018 χ^2/NDF: 9294098.9/103

- sign 201.587+/-0.025 χ^2/NDF: 5126194.1/53


yield_bpm1i04WS_mean vs Slug
×10^3
170
160
150
140
130
100
120
140
160
180
200
Right In: 140951.386+/-0.047 χ²/NDF: 110142732867.9/24
Left Out: 160851.077+/-0.048 χ²/NDF:99202825178.3/24
Right Out: 141594.500+/-0.044 χ²/NDF: 136710314517.2/30
Left In: 160654.189+/-0.051 χ²/NDF:90149721861.0/22
+ sign 150524.565+/-0.034 χ²/NDF: 29696109456
All: 150108.114+/-0.024 χ²/NDF: 60560277
- sign 149705.834+/-0.033 χ²/NDF: 30833948997

yield_bpm1i04WS_rms vs Slug



Right In: 154.945+/-0.033 χ^2/NDF: 5462330.6/24

Left Out: 207.689+/-0.034 χ^2/NDF:1500711.5/24

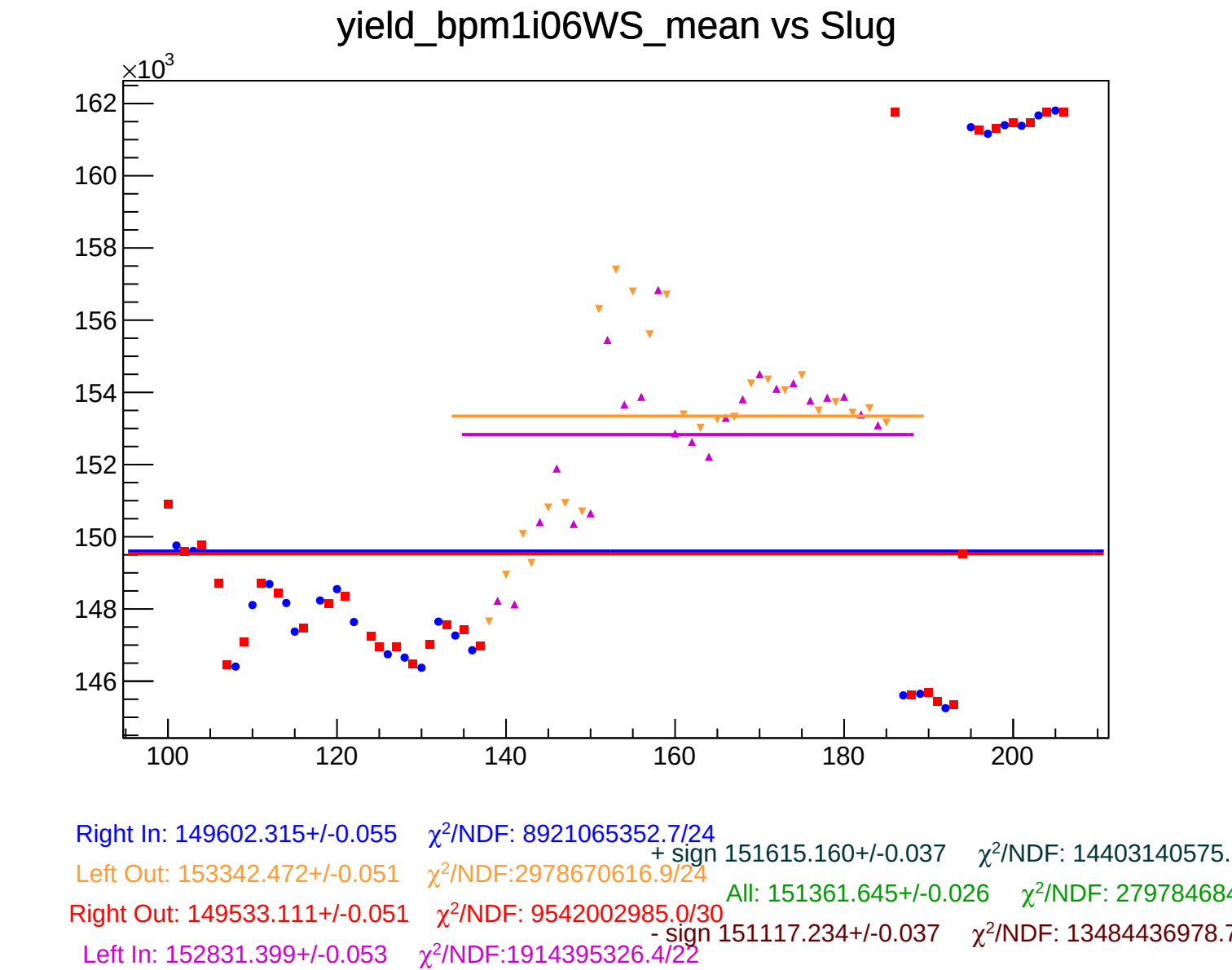
Right Out: 153.893+/-0.031 χ^2/NDF: 7126180.0/30

Left In: 211.254+/-0.036 χ^2/NDF:1305730.5/22

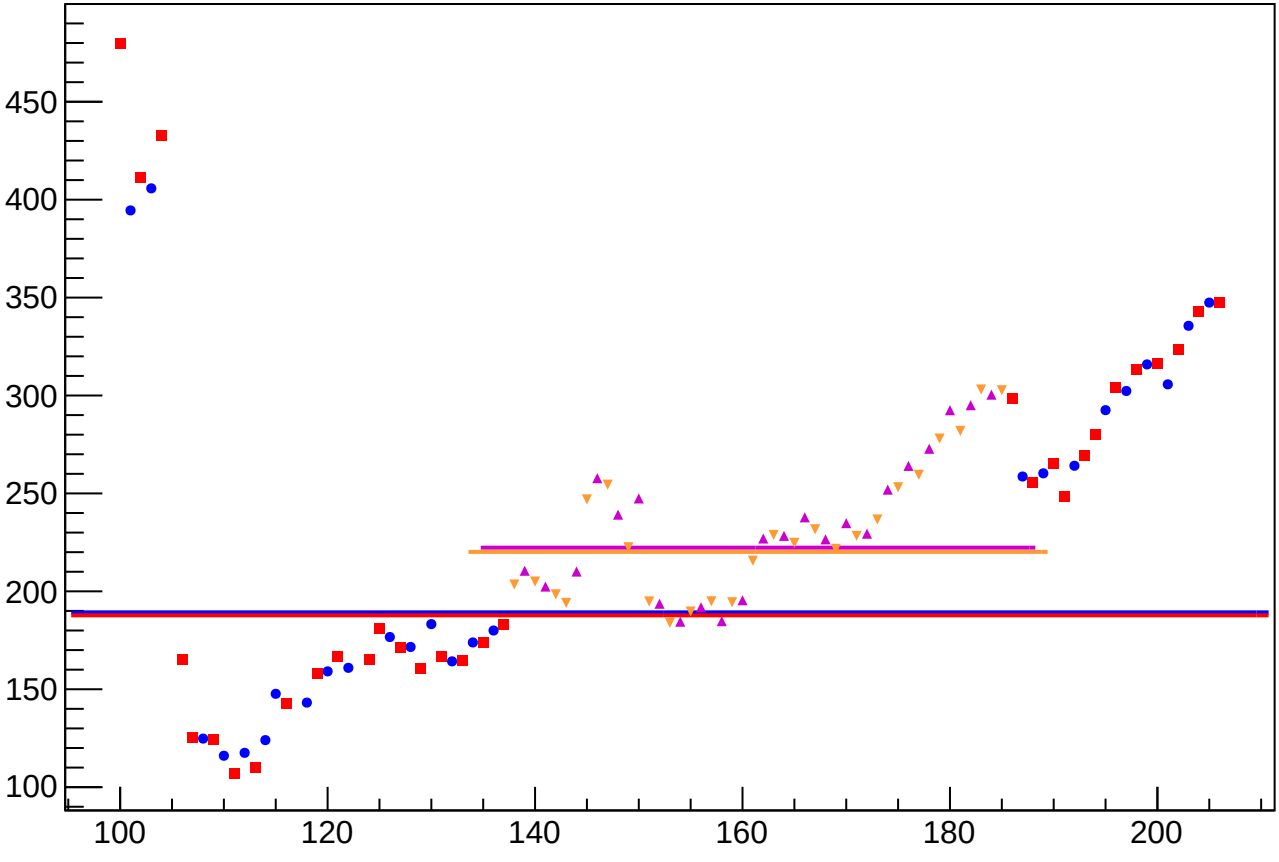
+ sign 180.319+/-0.024 χ^2/NDF: 8194060.0/49

All: 179.294+/-0.017 χ^2/NDF: 18105636.7/10

- sign 178.305+/-0.023 χ^2/NDF: 9907918.7/53


yield_bpm1i06WS_mean vs Slug
×10^3
162
160
158
156
154
152
150
148
146
100
120
140
160
180
200
Right In: 149602.315+/-0.055 χ²/NDF: 8921065352.7/24
Left Out: 153342.472+/-0.051 χ²/NDF:2978670616.9/24
Right Out: 149533.111+/-0.051 χ²/NDF: 9542002985.0/30
Left In: 152831.399+/-0.053 χ²/NDF:1914395326.4/22
+ sign 151615.160+/-0.037 χ²/NDF: 14403140575.
All: 151361.645+/-0.026 χ²/NDF: 27978468
- sign 151117.234+/-0.037 χ²/NDF: 13484436978.7

yield_bpm1i06WS_rms vs Slug



Right In: 189.266+/-0.039 χ^2/NDF: 3728531.4/24

Left Out: 220.156+/-0.036 χ^2/NDF:685590.6/24

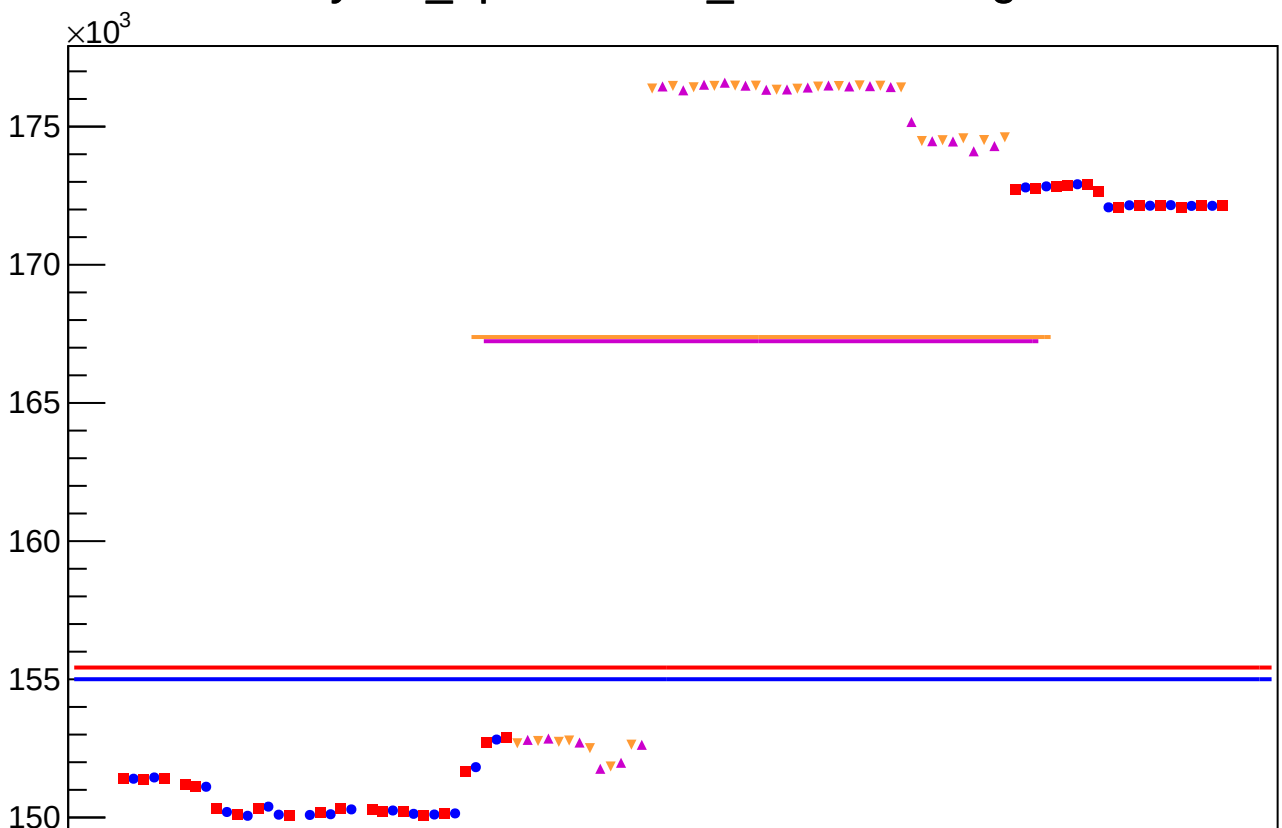
Right Out: 187.741+/-0.036 χ^2/NDF: 4830160.6/30

Left In: 222.304+/-0.037 χ^2/NDF:697605.9/22

+ sign 205.890+/-0.026 χ^2/NDF: 4755636.2/49

All: 205.101+/-0.018 χ^2/NDF: 10730581.0/10

- sign 204.341+/-0.026 χ^2/NDF: 5973185.7/53



Right In: 155003.250+/-0.049 χ^2/NDF: 32604032517.1/24

Left Out: 167385.483+/-0.047 χ^2/NDF:59602607546.2/24

Right Out: 155426.313+/-0.045 χ^2/NDF: 41100535494.8/30

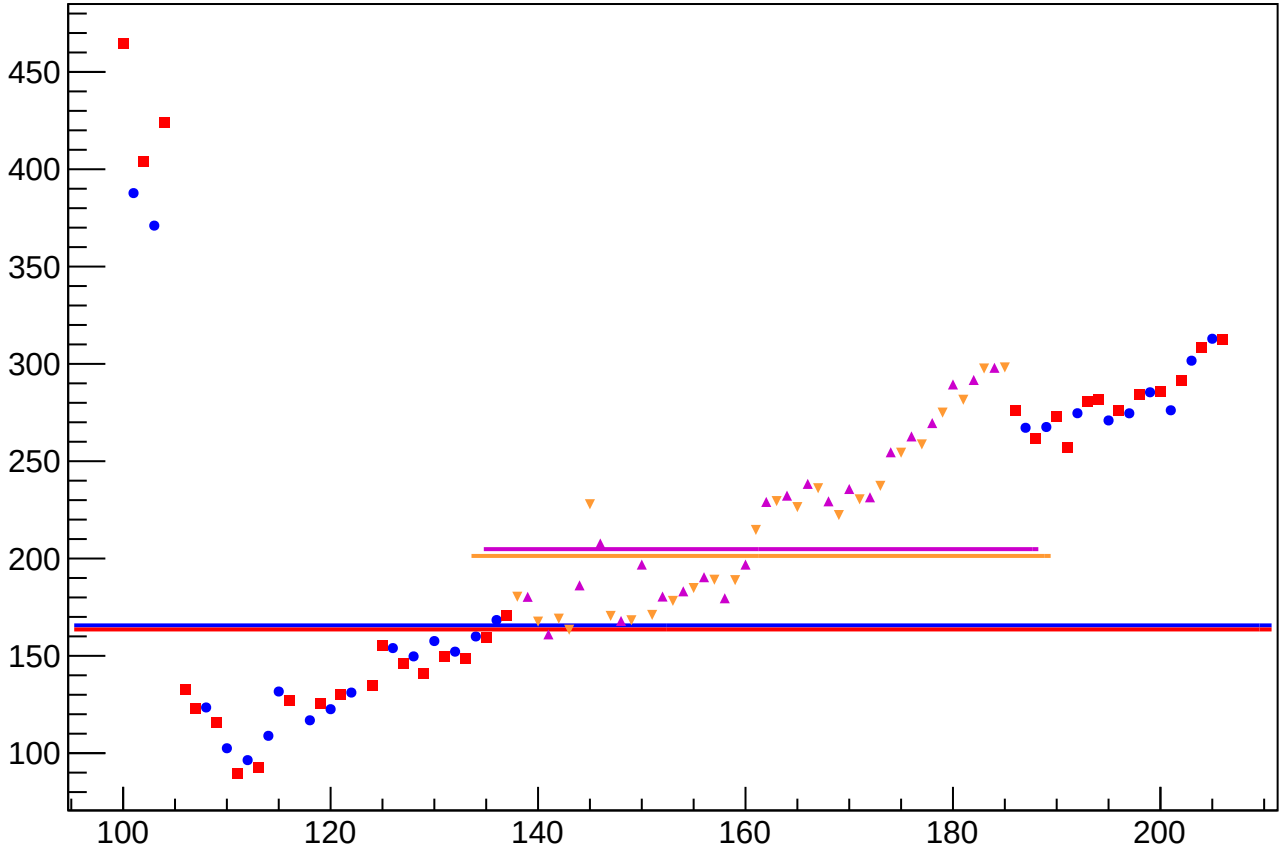
Left In: 167234.214+/-0.049 χ^2/NDF:55099214555.0/22

+ sign 161453.267+/-0.034 χ^2/NDF: 12584061234

All: 161139.490+/-0.024 χ^2/NDF: 2538353

- sign 160837.607+/-0.033 χ^2/NDF: 12782496856

yield_bpm2i01WS_rms vs Slug



Right In: 165.643+/-0.034 χ^2/NDF: 4363449.0/24

Left Out: 201.329+/-0.033 χ^2/NDF:1230655.6/24

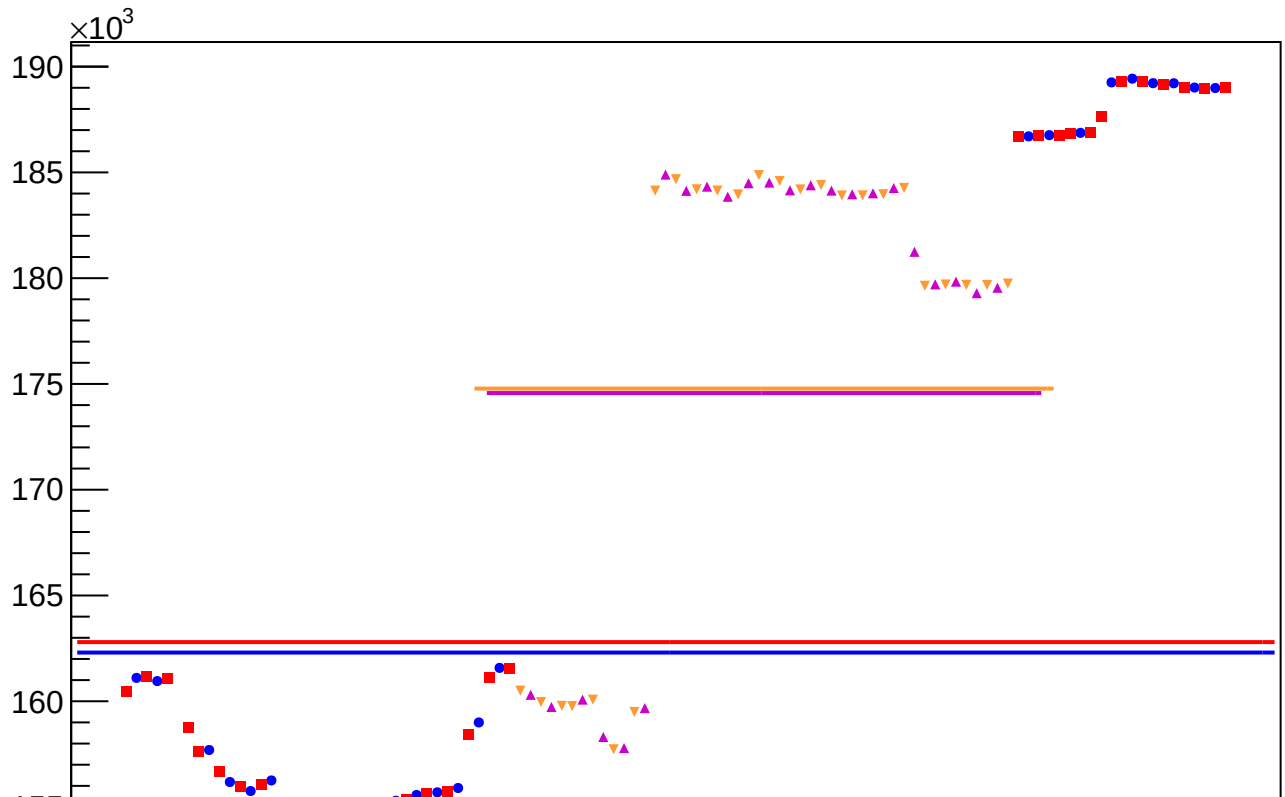
Right Out: 163.554+/-0.032 χ^2/NDF: 5761039.2/30

Left In: 204.826+/-0.035 χ^2/NDF:1053130.7/22

+ sign 184.232+/-0.024 χ^2/NDF: 6152814.1/49

All: 183.333+/-0.017 χ^2/NDF: 13742490.9/10

- sign 182.468+/-0.023 χ^2/NDF: 7586888.6/53



Right In: 162302.497+/-0.051 χ^2/NDF: 59266675517.9/24

Left Out: 174780.651+/-0.048 χ^2/NDF:58132787948.0/24

Right Out: 162795.750+/-0.048 χ^2/NDF: 72418605275.6/30

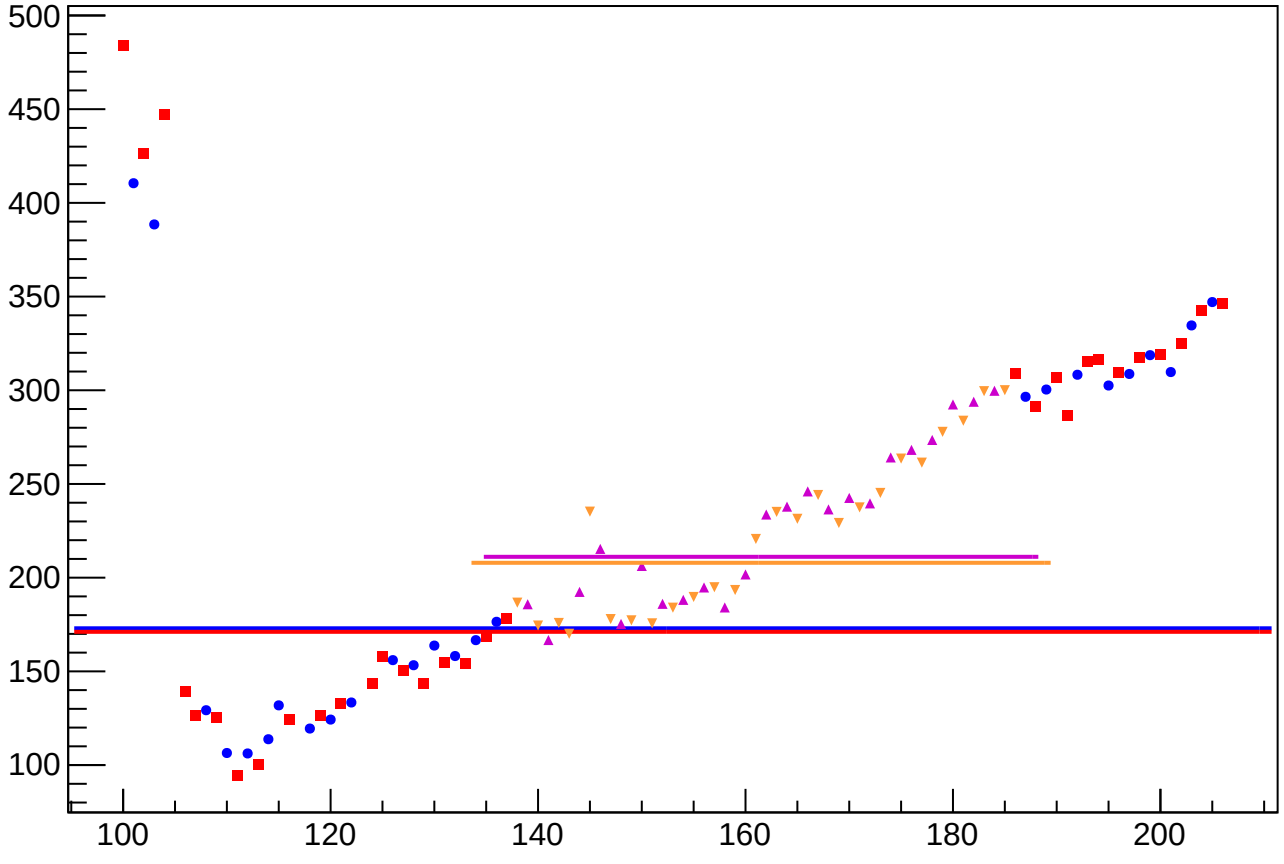
Left In: 174570.001+/-0.050 χ^2/NDF:54757801795.4/22

+ sign 168941.334+/-0.035 χ^2/NDF: 14875485370

All: 168638.126+/-0.025 χ^2/NDF: 3050048

- sign 168345.264+/-0.035 χ^2/NDF: 156103849703

yield_bpm2i02WS_rms vs Slug



Right In: 172.987+/-0.036 χ^2/NDF: 4813105.5/24

Left Out: 207.940+/-0.034 χ^2/NDF:1132127.7/24

Right Out: 171.110+/-0.034 χ^2/NDF: 6319261.4/30

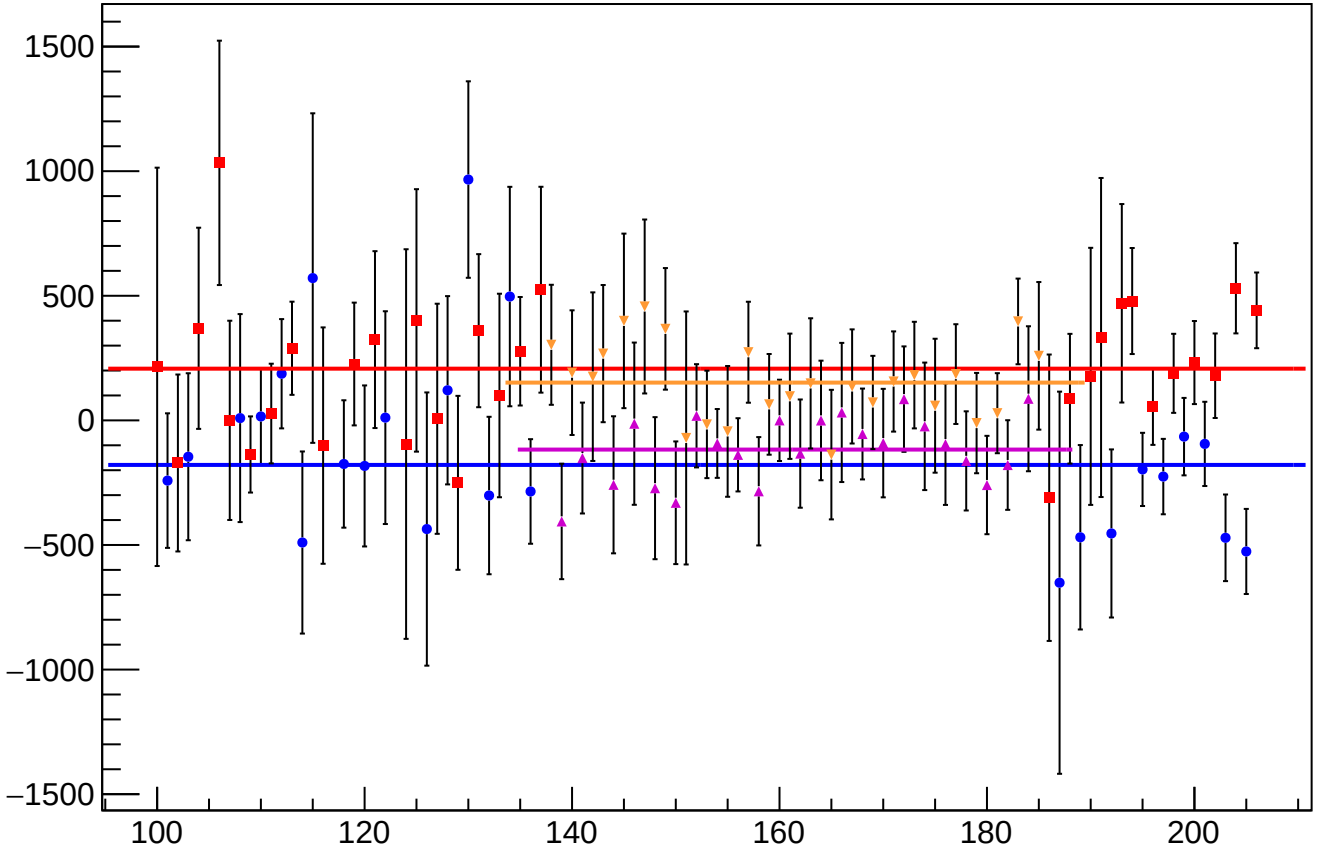
Left In: 211.133+/-0.036 χ^2/NDF:993720.4/22

+ sign 191.583+/-0.025 χ^2/NDF: 6437270.4/49

All: 190.764+/-0.017 χ^2/NDF: 14420897.2/10

- sign 189.974+/-0.024 χ^2/NDF: 7981495.6/53

asym_bcm_target_mean vs Slug



Right In: -178.738+/-48.673 χ^2/NDF: 27.8/24

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 207.512+/-45.060 χ^2/NDF: 24.0/30

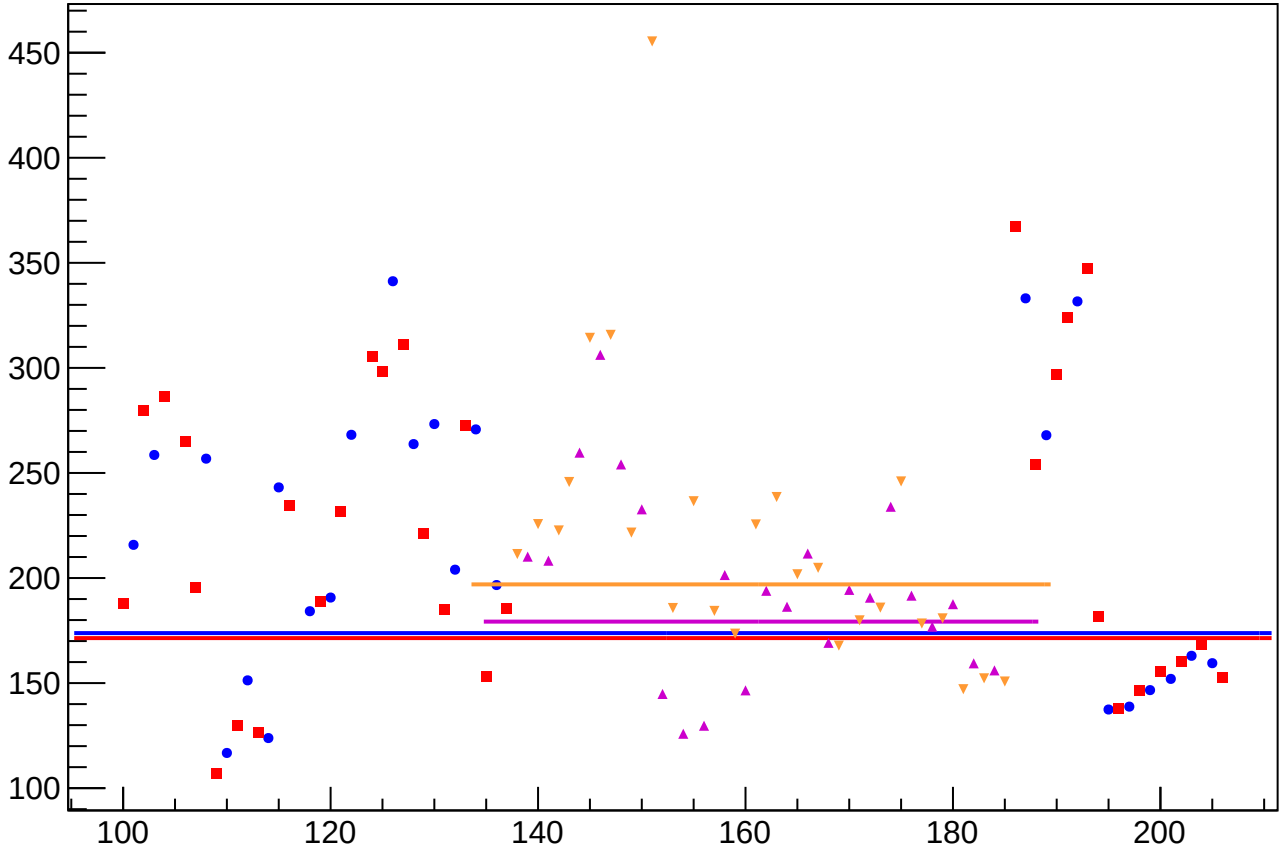
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

\+ sign -5.744+/-33.592 χ^2/NDF: 61.6/49

All: 18.931+/-22.939 χ^2/NDF: 120.7/103

\- sign 40.490+/-31.399 χ^2/NDF: 58.1/53

asym_bcm_target_rms vs Slug



Right In: 173.790+/-0.034 χ^2/NDF: 2180689.6/24

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 171.411+/-0.032 χ^2/NDF: 2896701.5/30

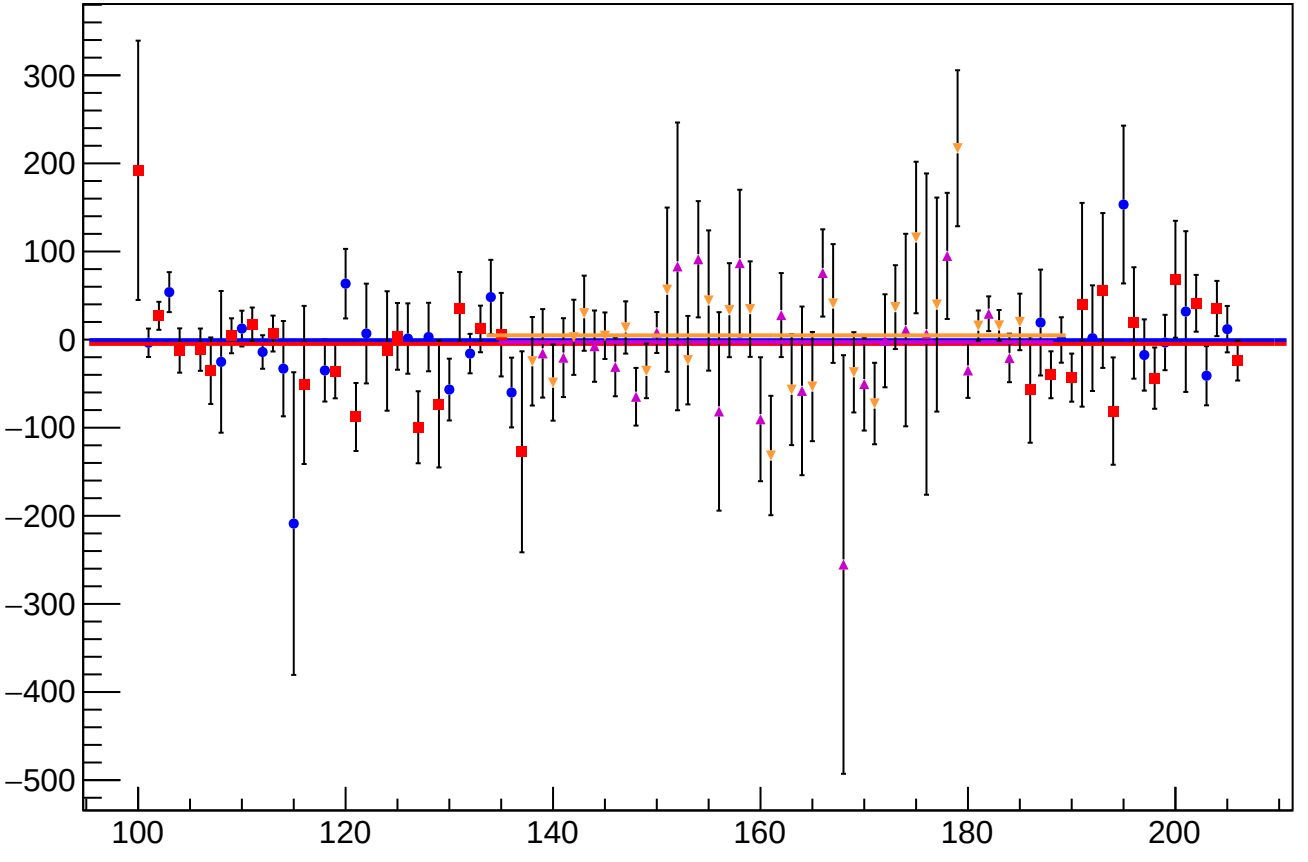
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 185.932+/-0.024 χ^2/NDF: 4227652.3/49

All: 180.336+/-0.016 χ^2/NDF: 8915565.4/103

- sign 175.446+/-0.022 χ^2/NDF: 4583912.5/53

asym_bcm_an_diff_mean vs Slug



Right In: -0.677+/-6.348 χ^2/NDF: 23.9/24

Left Out: 4.803+/-7.601 χ^2/NDF:24.3/24

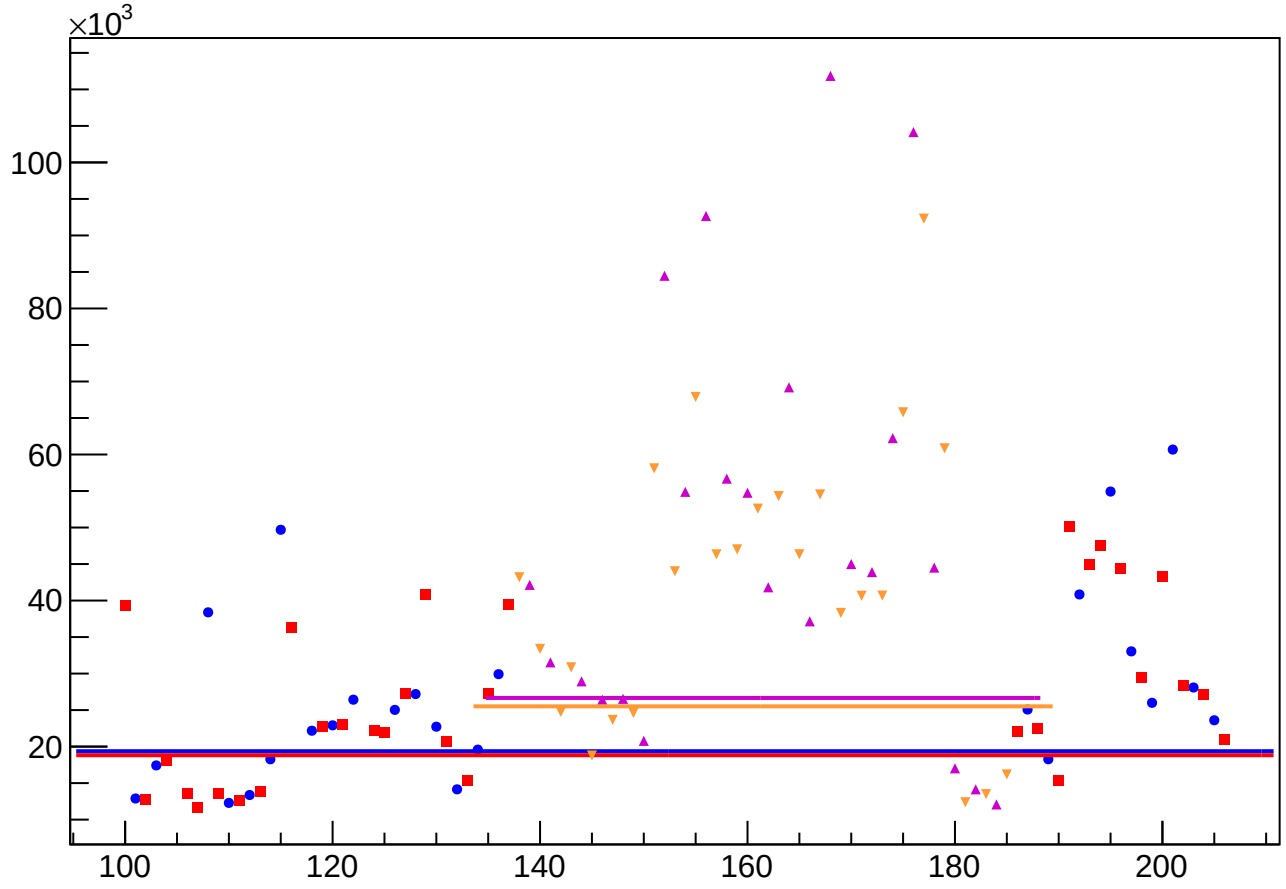
Right Out: -4.872+/-5.718 χ^2/NDF: 37.0/30

Left In: -2.918+/-8.840 χ^2/NDF:21.5/22

+ sign 1.575+/-4.872 χ^2/NDF: 48.6/49

All: -1.403+/-3.420 χ^2/NDF: 107.8/103

- sign -4.295+/-4.801 χ^2/NDF: 58.6/53



Right In: 19368.072+/-4.489 χ^2/NDF: 2912253.0/24

Left Out: 25512.643+/-5.375 χ^2/NDF:7742585.8/24

Right Out: 18818.633+/-4.044 χ^2/NDF: 3525158.5/30

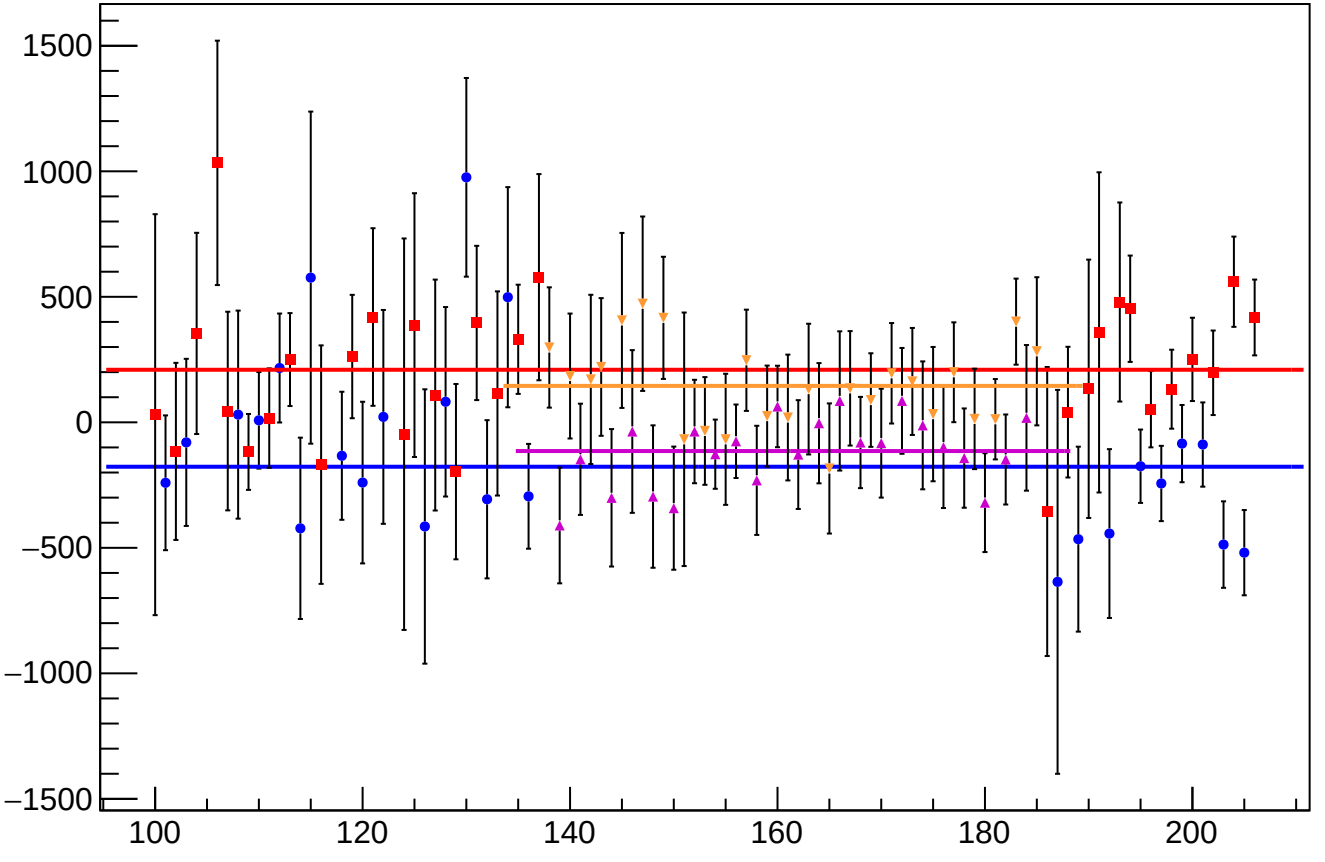
Left In: 26660.853+/-6.251 χ^2/NDF:5883195.1/22

+ sign 21892.834+/-3.445 χ^2/NDF: 11424785.7/49

All: 21506.892+/-2.418 χ^2/NDF: 21967478.9

- sign 21132.094+/-3.395 χ^2/NDF: 10517958.2/53

asym_bcm_an_ds_mean vs Slug



Right In: -176.925+/-48.351 χ^2/NDF: 28.4/24

Left Out: 145.172+/-46.225 χ^2/NDF:11.2/24

Right Out: 209.406+/-44.785 χ^2/NDF: 24.3/30

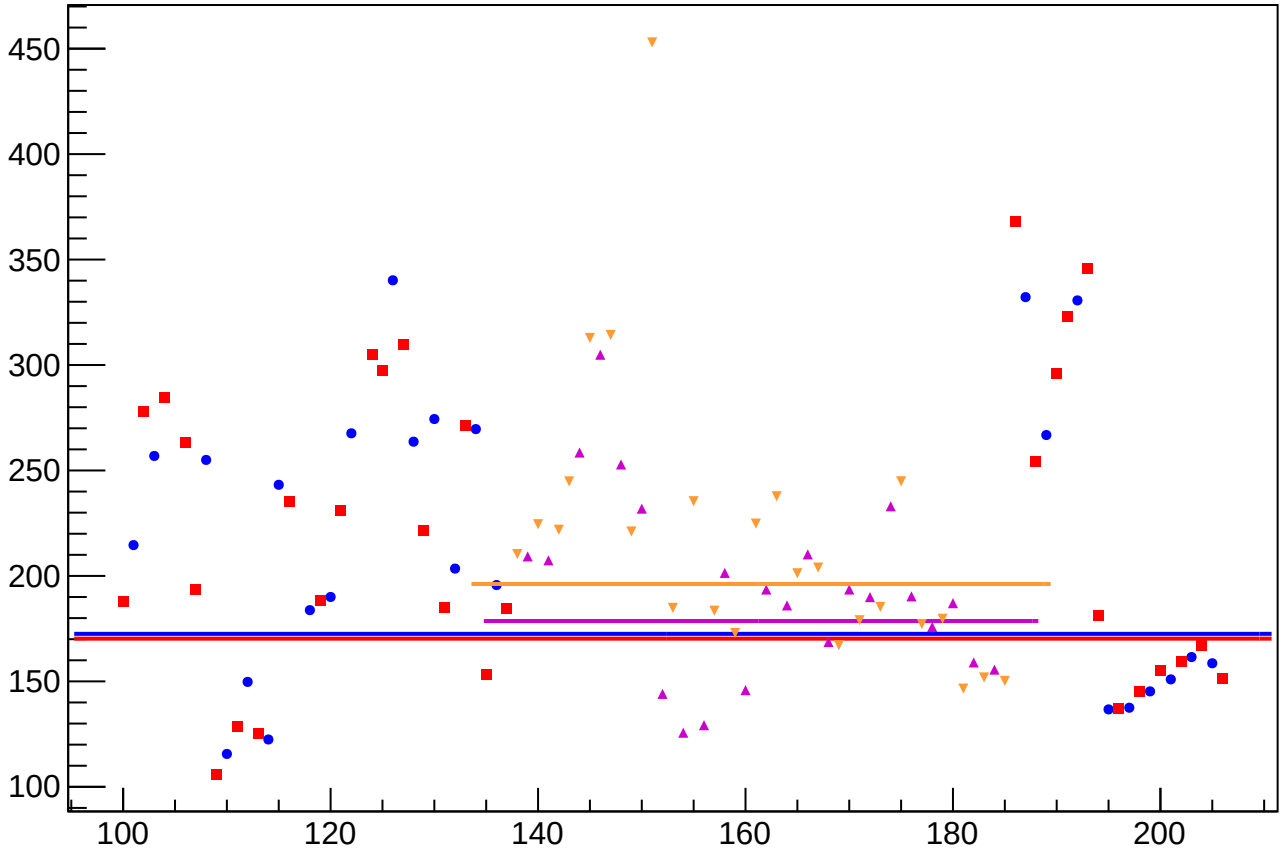
Left In: -114.400+/-43.619 χ^2/NDF:8.4/22

+ sign -8.642+/-33.412 χ^2/NDF: 62.8/49

All: 19.030+/-22.822 χ^2/NDF: 123.5/103

- sign 43.234+/-31.248 χ^2/NDF: 59.5/53

asym_bcm_an_ds_rms vs Slug



Right In: 172.539+/-0.034 χ^2/NDF: 2210970.6/24

Left Out: 196.166+/-0.033 χ^2/NDF:1806871.5/24

Right Out: 170.262+/-0.032 χ^2/NDF: 2933541.7/30

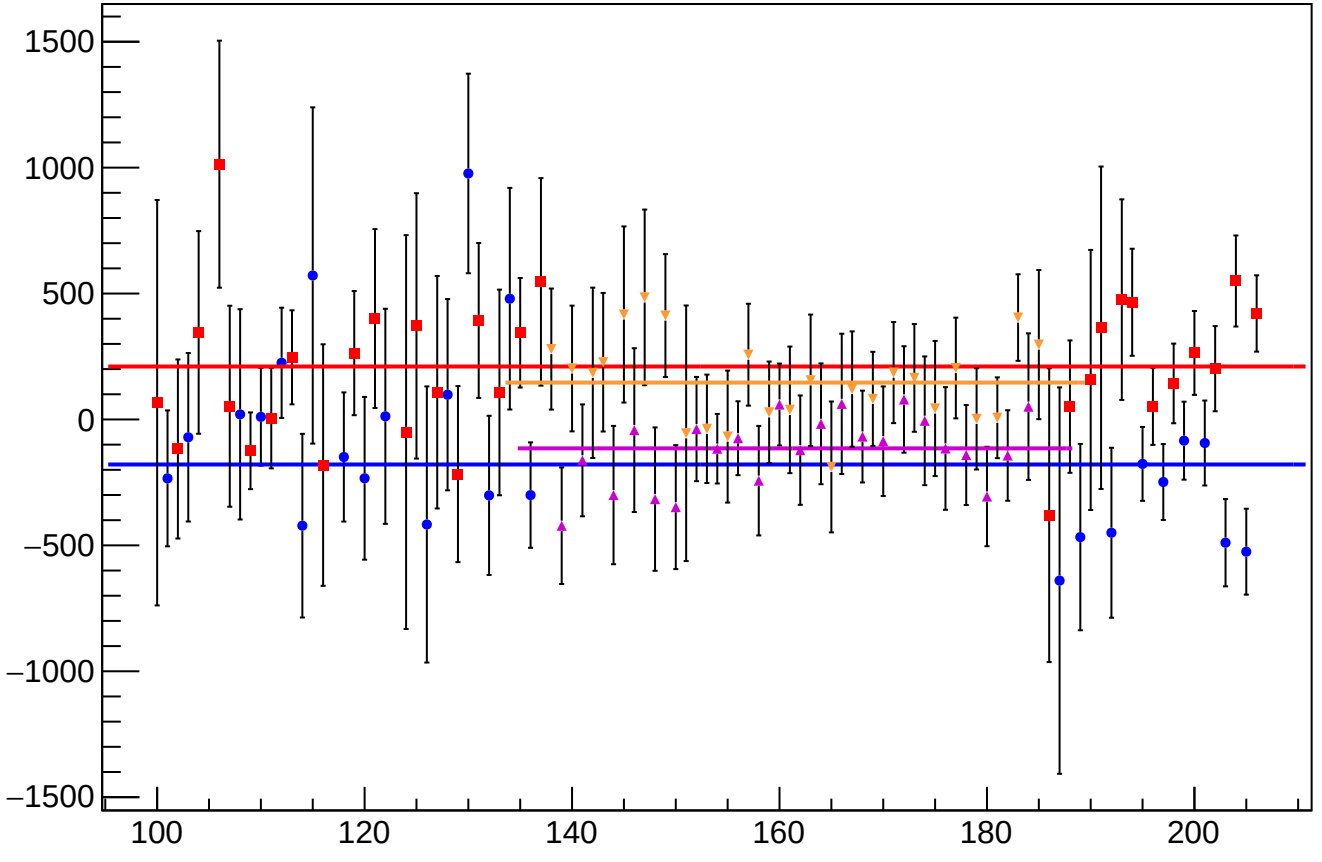
Left In: 178.621+/-0.031 χ^2/NDF:1651873.8/22

+ sign 184.883+/-0.024 χ^2/NDF: 4267350.6/49

All: 179.372+/-0.016 χ^2/NDF: 8990523.0/103

- sign 174.552+/-0.022 χ^2/NDF: 4621169.6/53

asym_bcm_an_ds3_mean vs Slug



Right In: -178.813+/-48.599 χ^2/NDF: 28.4/24

Left Out: 146.417+/-46.379 χ^2/NDF:11.4/24

Right Out: 210.300+/-45.015 χ^2/NDF: 24.1/30

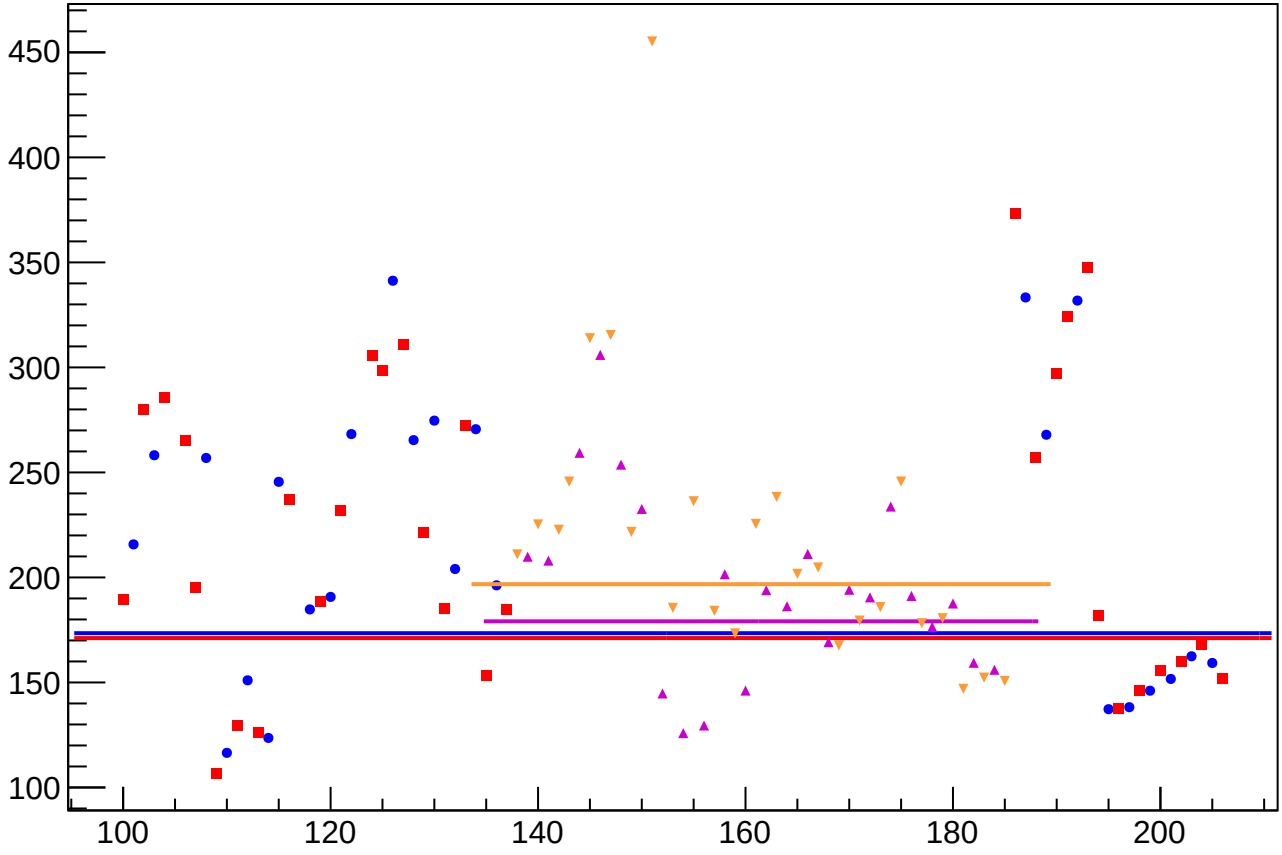
Left In: -114.807+/-43.740 χ^2/NDF:8.4/22

\+ sign -8.600+/-33.552 χ^2/NDF: 63.3/49

All: 18.975+/-22.915 χ^2/NDF: 123.9/103

\- sign 43.080+/-31.370 χ^2/NDF: 59.4/53

asym_bcm_an_ds3_rms vs Slug



Right In: 173.456+/-0.034 χ^2/NDF: 2201299.8/24

Left Out: 196.805+/-0.033 χ^2/NDF:1808608.7/24

Right Out: 171.140+/-0.032 χ^2/NDF: 2930663.9/30

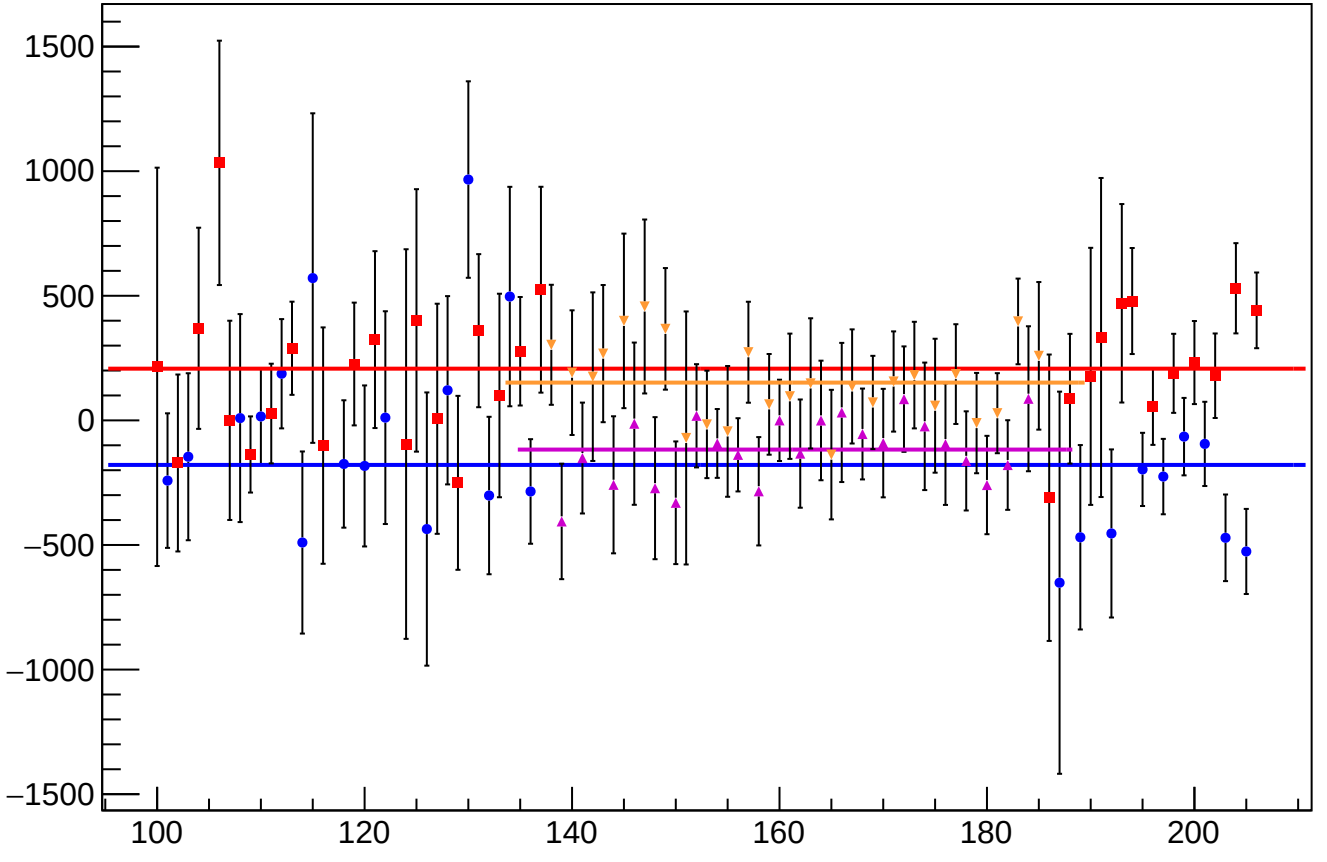
Left In: 179.101+/-0.031 χ^2/NDF:1655866.1/22

+ sign 185.676+/-0.024 χ^2/NDF: 4251536.5/49

All: 180.105+/-0.016 χ^2/NDF: 8973576.8/103

- sign 175.235+/-0.022 χ^2/NDF: 4618699.7/53

asym_bcm_an_us_mean vs Slug



Right In: -178.738+/-48.673 χ^2/NDF: 27.8/24

Left Out: 151.598+/-46.419 χ^2/NDF:9.6/24

Right Out: 207.512+/-45.060 χ^2/NDF: 24.0/30

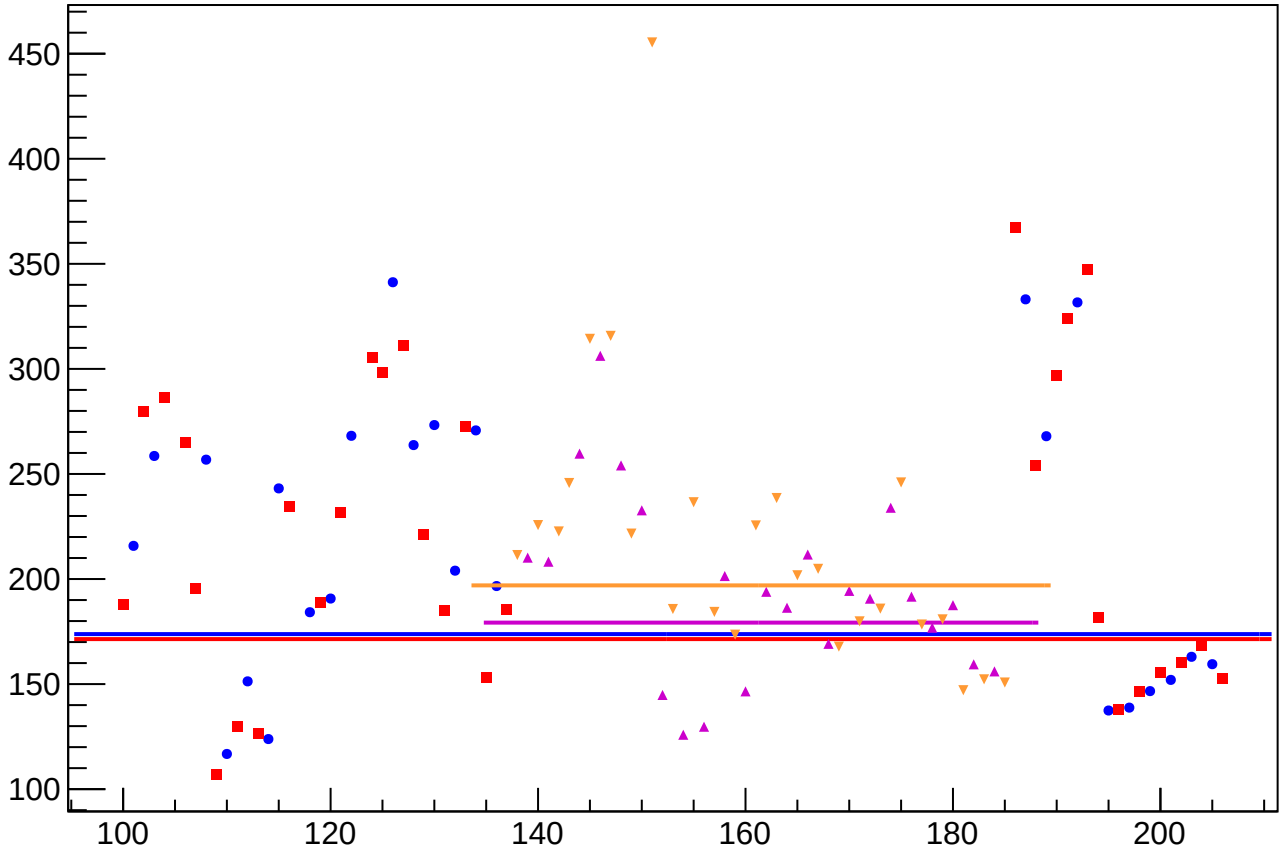
Left In: -117.163+/-43.778 χ^2/NDF:7.5/22

\+ sign -5.744+/-33.592 χ^2/NDF: 61.6/49

All: 18.931+/-22.939 χ^2/NDF: 120.7/103

\- sign 40.490+/-31.399 χ^2/NDF: 58.1/53

asym_bcm_an_us_rms vs Slug



Right In: 173.790+/-0.034 χ^2/NDF: 2180689.6/24

Left Out: 196.975+/-0.033 χ^2/NDF:1809307.4/24

Right Out: 171.411+/-0.032 χ^2/NDF: 2896701.5/30

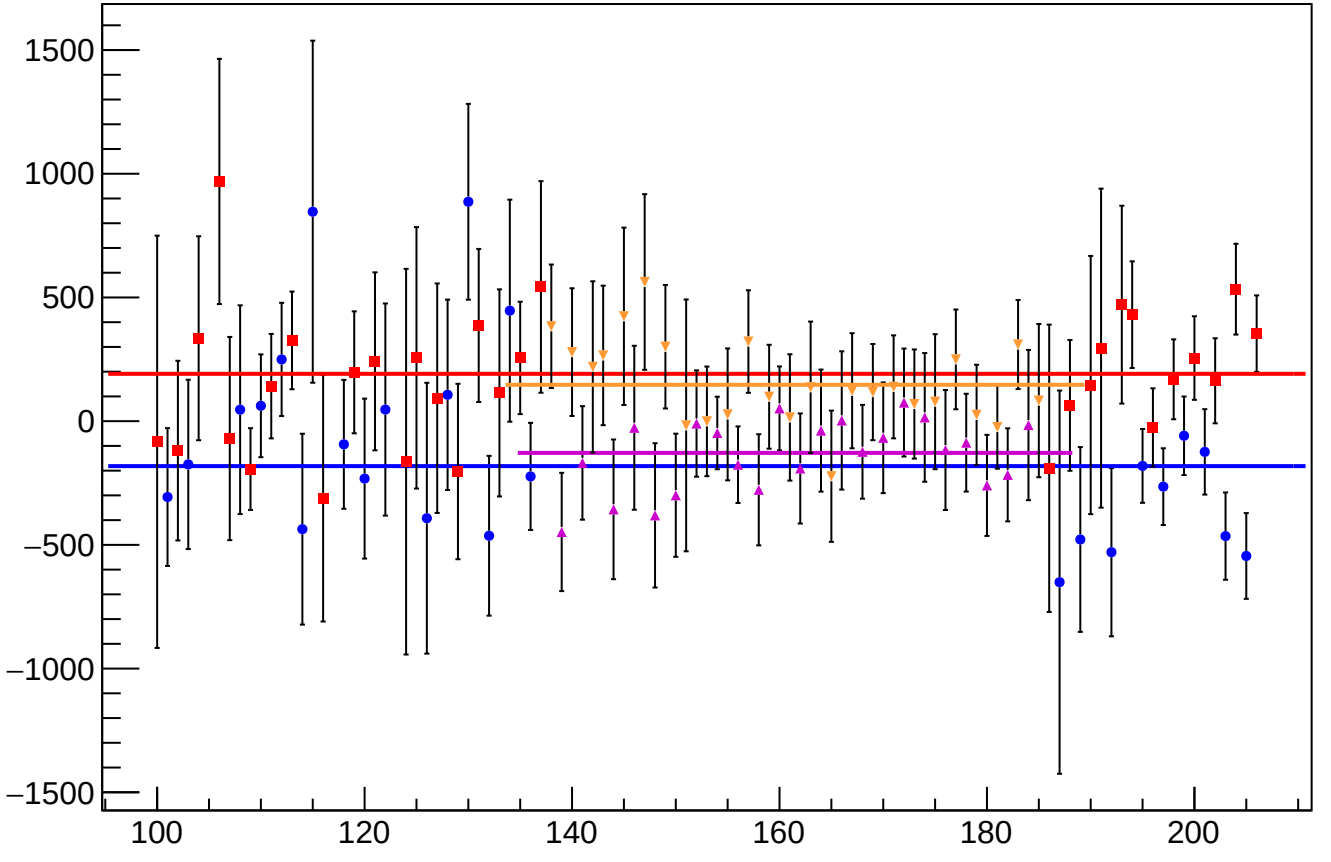
Left In: 179.256+/-0.031 χ^2/NDF:1656023.5/22

+ sign 185.932+/-0.024 χ^2/NDF: 4227652.3/49

All: 180.336+/-0.016 χ^2/NDF: 8915565.4/103

- sign 175.446+/-0.022 χ^2/NDF: 4583912.5/53

asym_bcm_dg_us_mean vs Slug



Right In: -181.677+/-49.813 χ^2/NDF: 29.3/24

Left Out: 146.973+/-47.709 χ^2/NDF:10.2/24

Right Out: 191.338+/-46.293 χ^2/NDF: 22.6/30

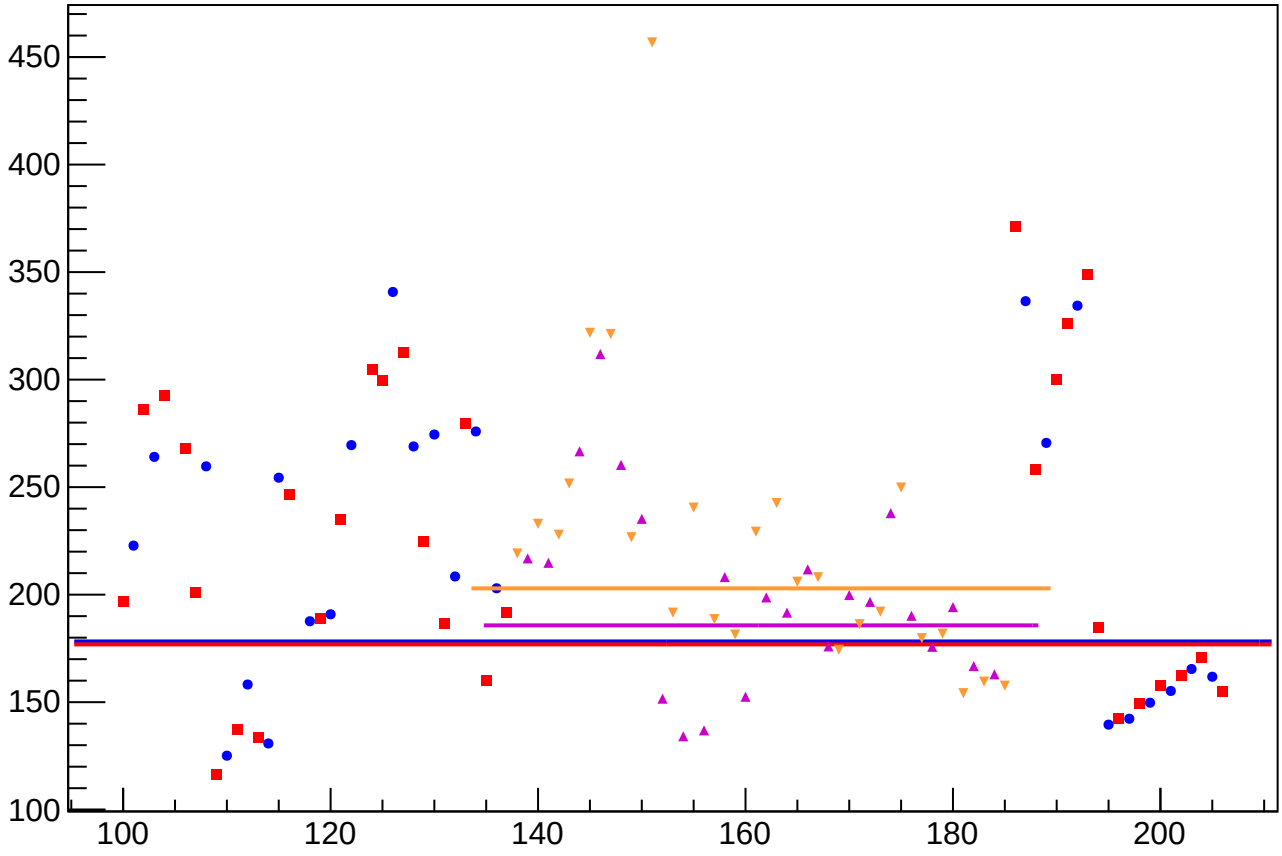
Left In: -128.159+/-45.200 χ^2/NDF:8.6/22

+ sign -10.263+/-34.455 χ^2/NDF: 62.1/49

All: 9.958+/-23.580 χ^2/NDF: 118.3/103

- sign 27.772+/-32.341 χ^2/NDF: 55.5/53

asym_bcm_dg_us_rms vs Slug



Right In: 178.243+/-0.035 χ^2/NDF: 2090619.6/24

Left Out: 202.920+/-0.034 χ^2/NDF:1700115.2/24

Right Out: 176.870+/-0.033 χ^2/NDF: 2688610.0/30

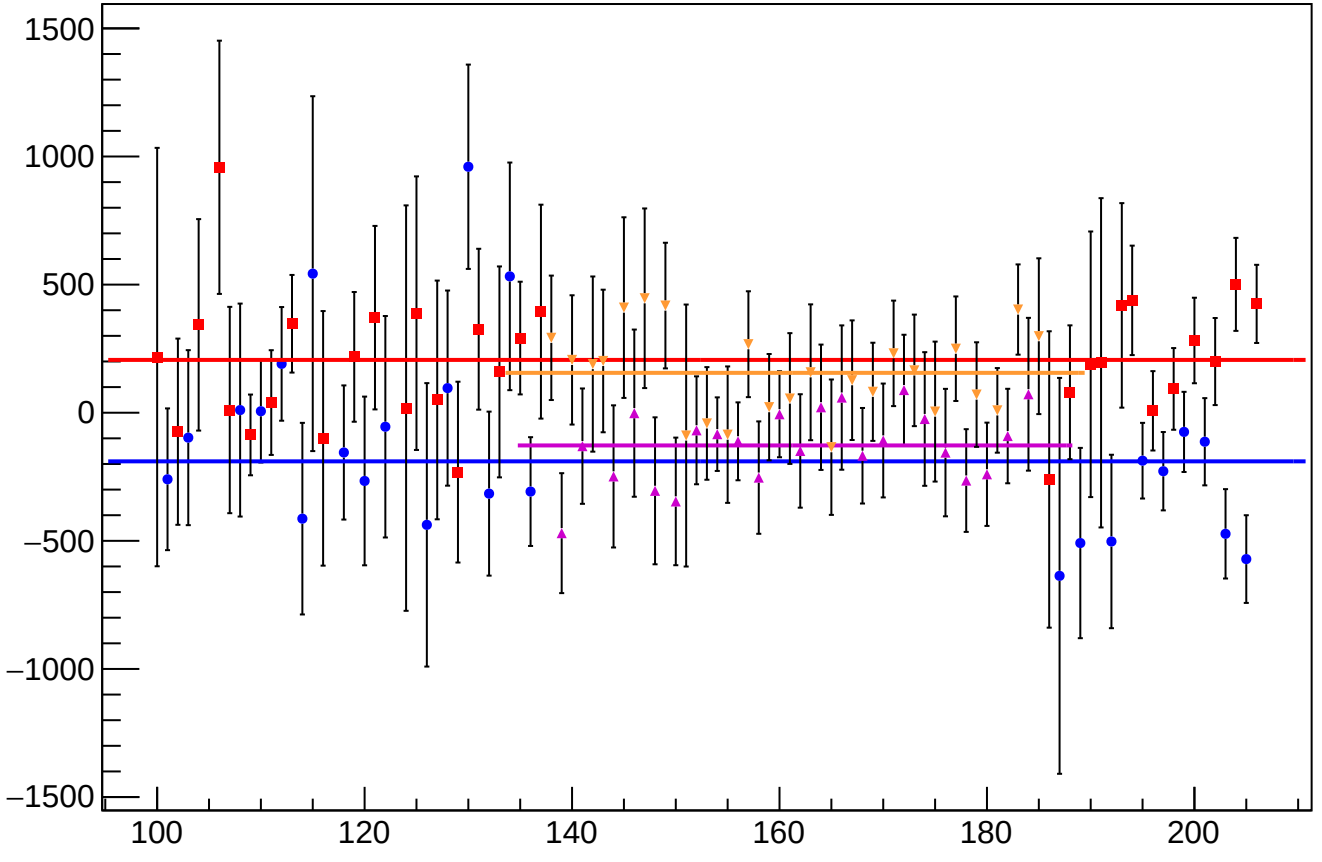
Left In: 185.716+/-0.032 χ^2/NDF:1489487.2/22

+ sign 191.114+/-0.024 χ^2/NDF: 4046742.0/49

All: 185.949+/-0.017 χ^2/NDF: 8346754.5/103

- sign 181.399+/-0.023 χ^2/NDF: 4215480.9/53

asym_bcm_dg_ds_mean vs Slug



Right In: -189.768+/-49.187 χ^2/NDF: 28.4/24

Left Out: 155.646+/-47.263 χ^2/NDF:10.7/24

Right Out: 206.110+/-45.568 χ^2/NDF: 20.3/30

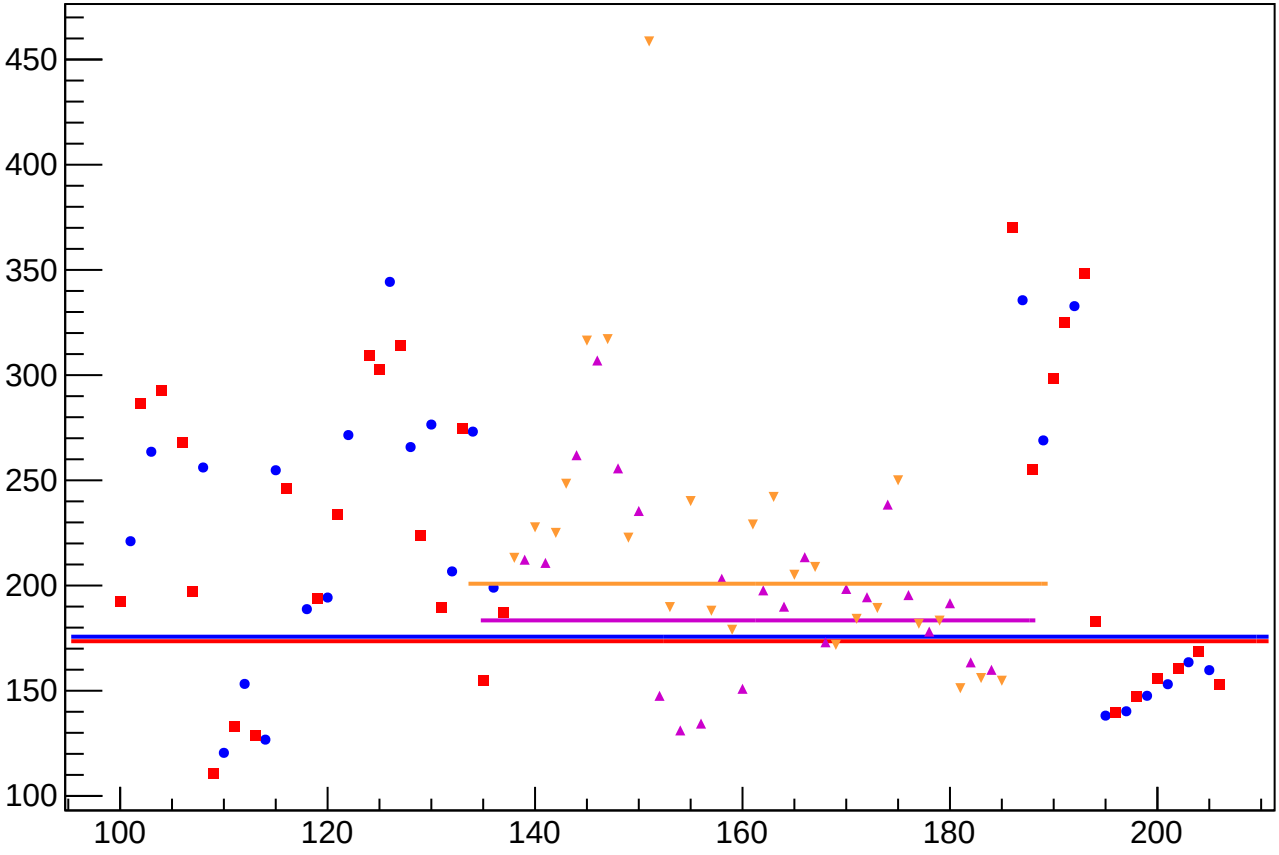
Left In: -127.660+/-44.698 χ^2/NDF:8.0/22

+ sign -10.174+/-34.080 χ^2/NDF: 64.7/49

All: 14.435+/-23.293 χ^2/NDF: 121.3/103

- sign 36.008+/-31.909 χ^2/NDF: 55.6/53

asym_bcm_dg_ds_rms vs Slug



Right In: 175.685+/-0.035 χ^2/NDF: 2174857.4/24

Left Out: 200.865+/-0.033 χ^2/NDF:1727404.3/24

Right Out: 173.535+/-0.032 χ^2/NDF: 2860369.5/30

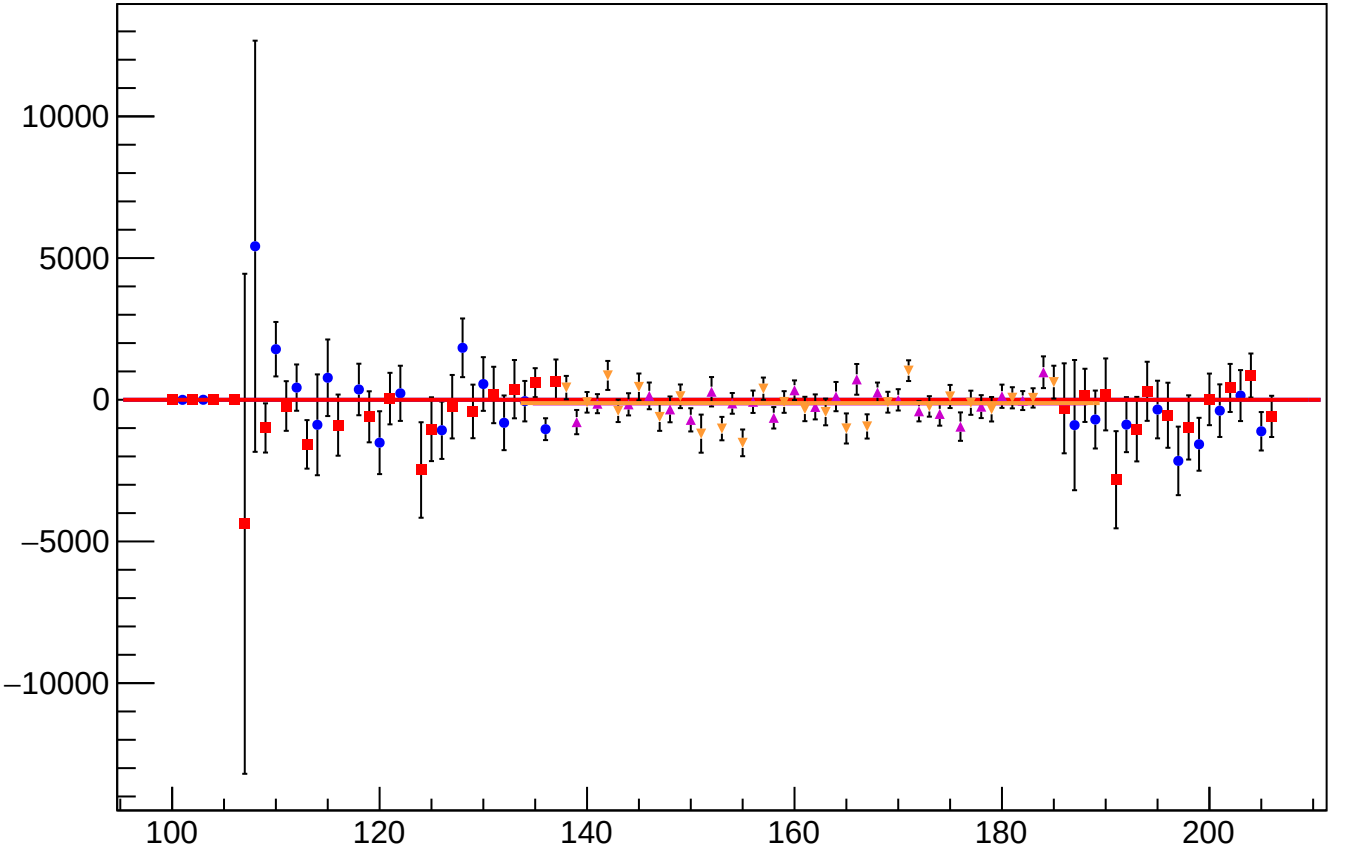
Left In: 183.433+/-0.032 χ^2/NDF:1530678.8/22

+ sign 188.777+/-0.024 χ^2/NDF: 4174763.9/49

All: 183.343+/-0.016 χ^2/NDF: 8709330.3/103

- sign 178.579+/-0.023 χ^2/NDF: 4439146.3/53

asym_cav4bQ_mean vs Slug



Right In: -1.277+/-2.171 χ^2/NDF: 30.3/24

Left Out: -117.658+/-84.207 χ^2/NDF:46.4/24

Right Out: -1.384+/-2.022 χ^2/NDF: 23.6/30

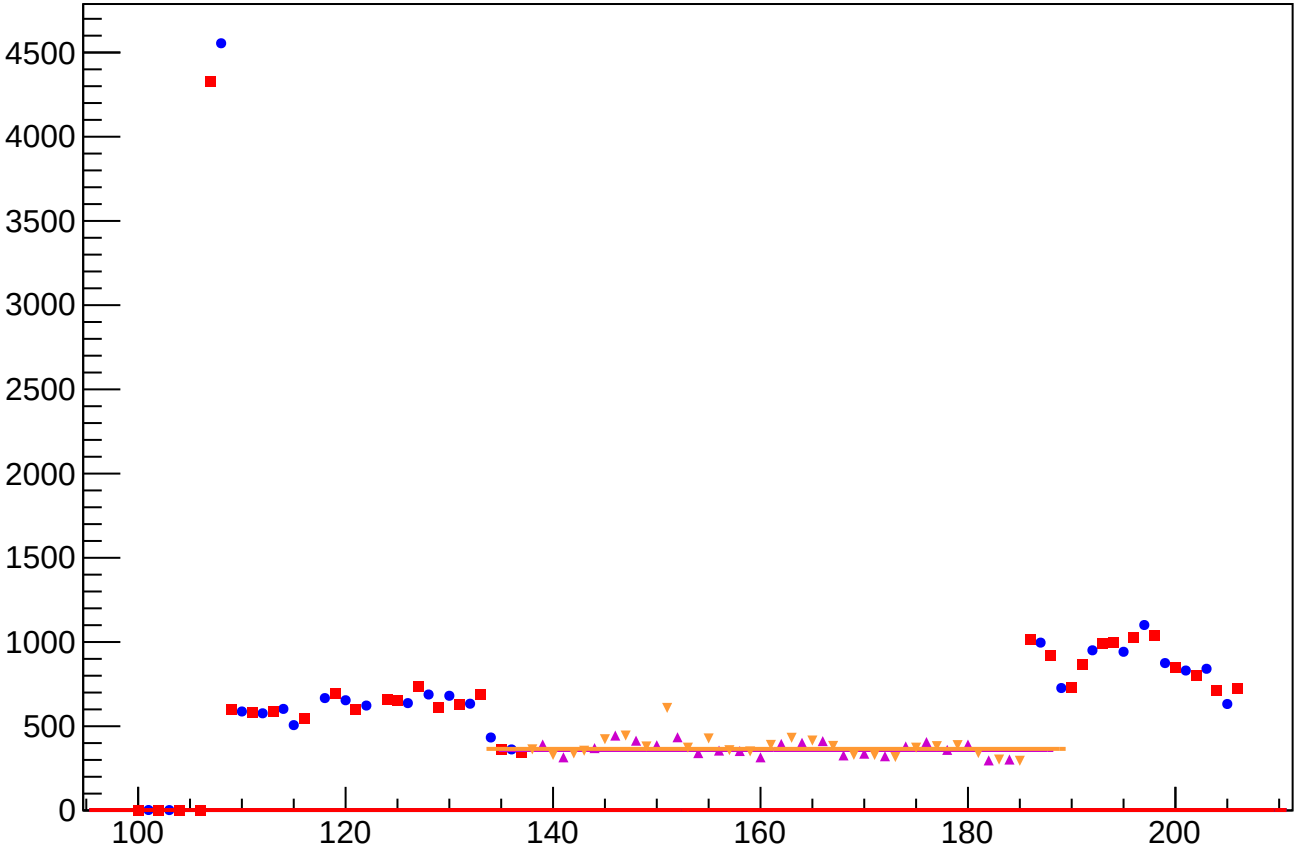
Left In: -129.738+/-85.075 χ^2/NDF:21.7/22

+ sign -1.354+/-2.170 χ^2/NDF: 78.6/49

All: -1.409+/-1.479 χ^2/NDF: 126.2/103

- sign -1.456+/-2.022 χ^2/NDF: 47.6/53

asym_cav4bQ_rms vs Slug



Right In: 2.514+/-0.002 χ^2/NDF: 25069500.1/24

Left Out: 365.603+/-0.060 χ^2/NDF:668124.0/24

Right Out: 2.504+/-0.001 χ^2/NDF: 29159844.7/30

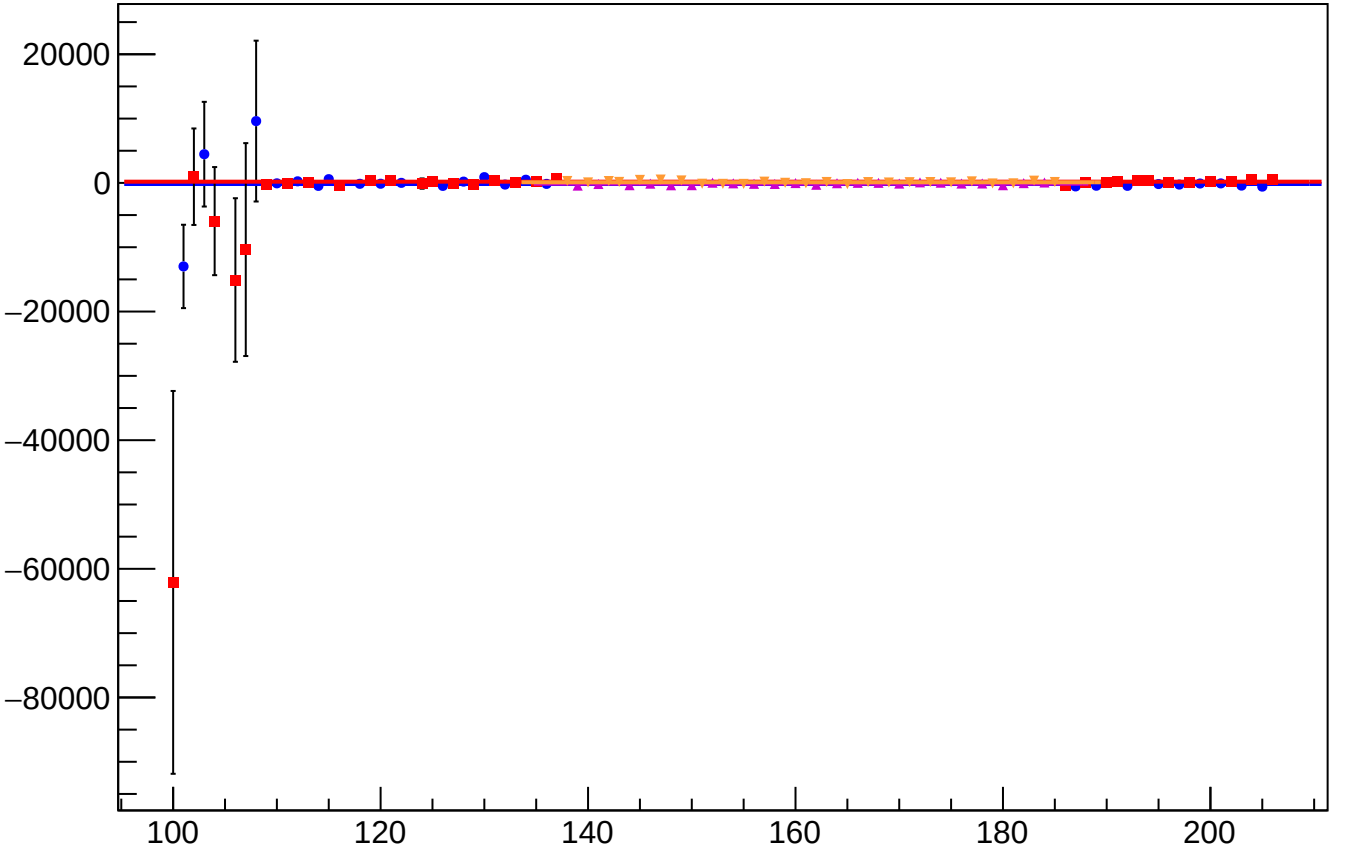
Left In: 359.024+/-0.060 χ^2/NDF:446263.1/22

+ sign 2.755+/-0.002 χ^2/NDF: 62896803.0/49

All: 2.728+/-0.001 χ^2/NDF: 127607178.7/103

- sign 2.705+/-0.001 χ^2/NDF: 64709802.5/53

asym_cav4cQ_mean vs Slug



Right In: -170.275+/-53.985 χ^2/NDF: 29.5/24

Left Out: 99.601+/-48.250 χ^2/NDF:12.7/24

Right Out: 190.865+/-50.605 χ^2/NDF: 24.8/30

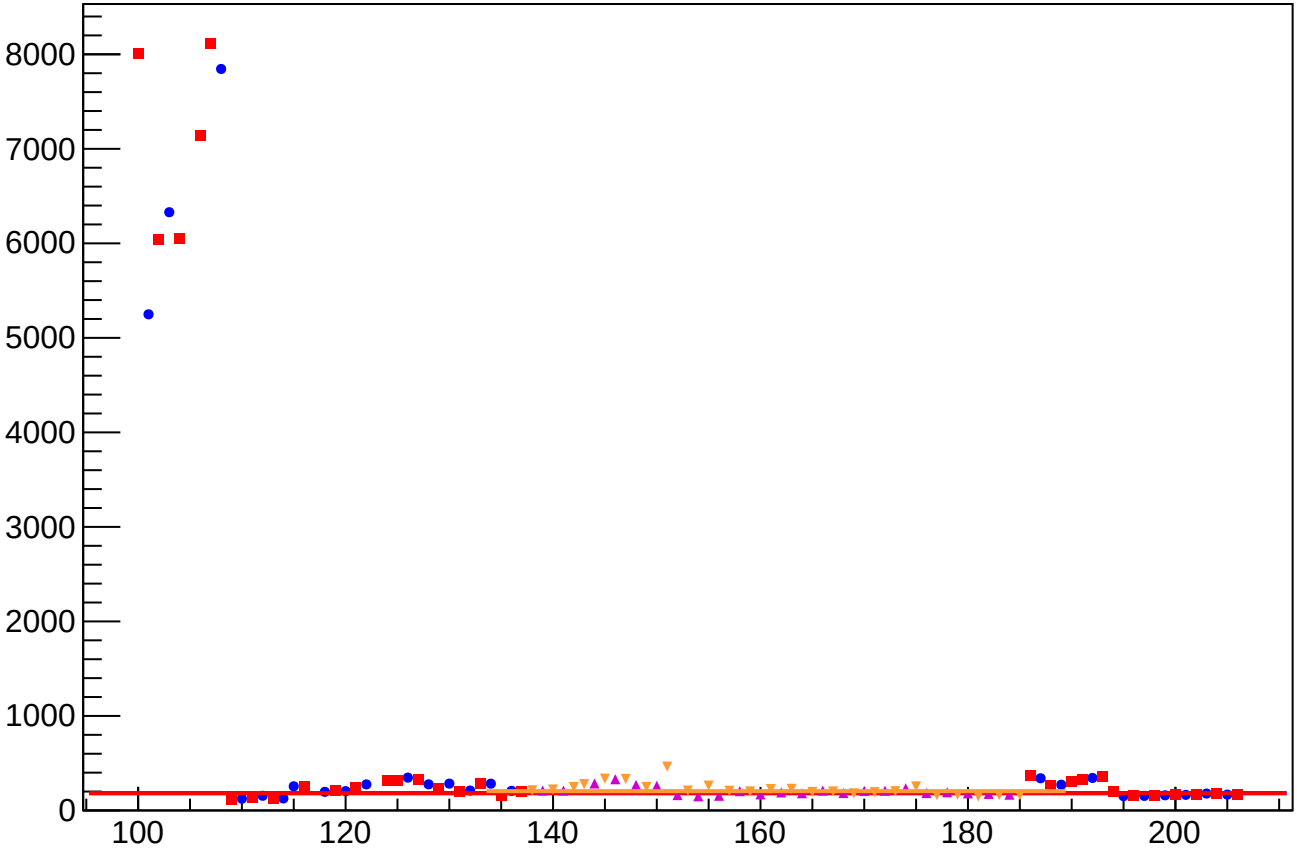
Left In: -119.345+/-46.957 χ^2/NDF:9.3/22

+ sign -20.246+/-35.975 χ^2/NDF: 56.2/49

All: 2.946+/-24.871 χ^2/NDF: 111.2/103

- sign 24.177+/-34.421 χ^2/NDF: 54.2/53

asym_cav4cQ_rms vs Slug



Right In: 182.855+/-0.038 χ^2/NDF: 4835415.5/24

Left Out: 204.581+/-0.034 χ^2/NDF:1975114.7/24

Right Out: 182.752+/-0.036 χ^2/NDF: 5526101.0/30

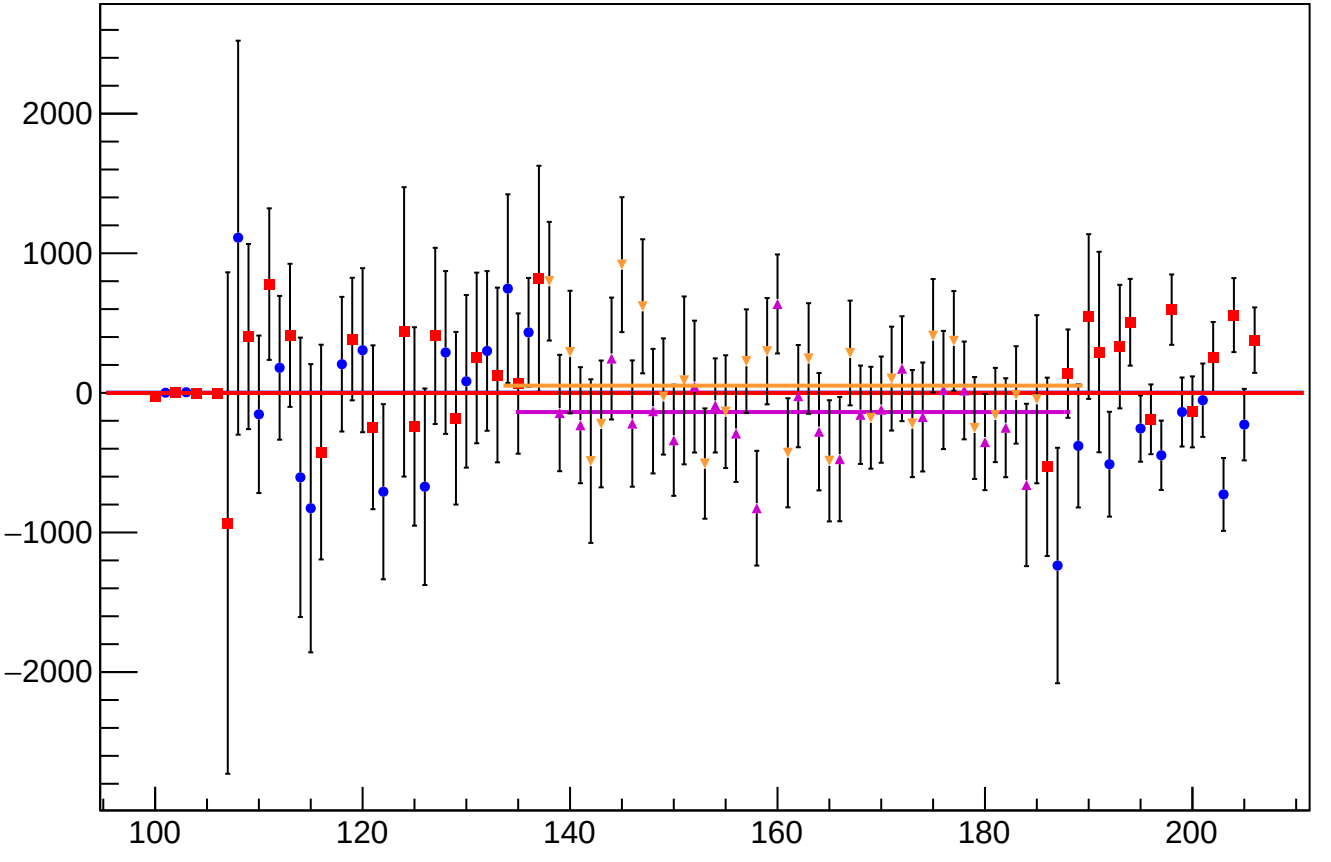
Left In: 193.895+/-0.033 χ^2/NDF:1191589.3/22

+ sign 194.933+/-0.025 χ^2/NDF: 6990614.1/49

All: 191.700+/-0.018 χ^2/NDF: 13791356.1/10

- sign 188.740+/-0.024 χ^2/NDF: 6769799.0/53

asym_cav4dQ_mean vs Slug



Right In: 1.355+/-1.660 χ^2/NDF: 26.0/24

Left Out: 51.829+/-81.555 χ^2/NDF:19.4/24

Right Out: -1.018+/-1.528 χ^2/NDF: 28.8/30

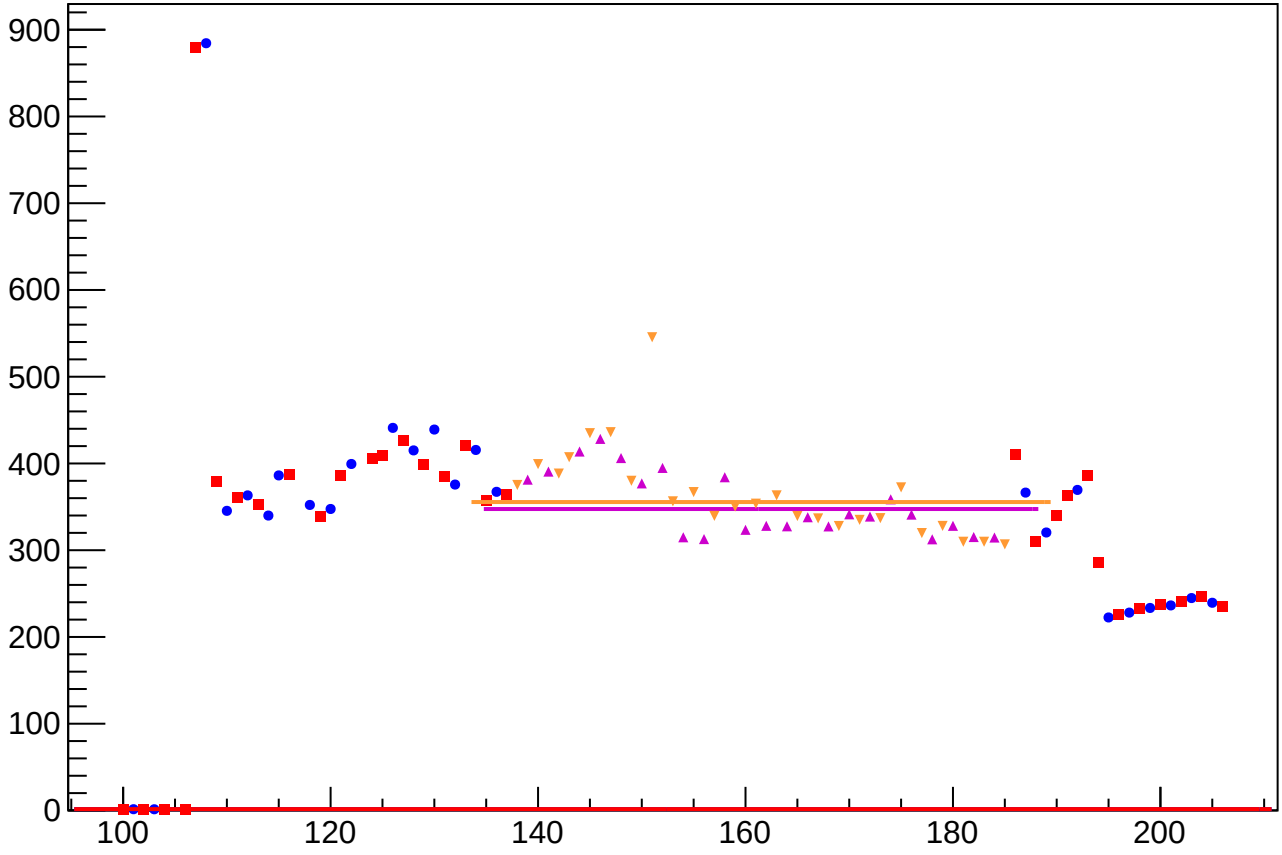
Left In: -137.399+/-82.111 χ^2/NDF:12.2/22

+ sign 1.376+/-1.660 χ^2/NDF: 45.9/49

All: 0.054+/-1.124 χ^2/NDF: 90.7/103

- sign -1.066+/-1.527 χ^2/NDF: 43.7/53

asym_cav4dQ_rms vs Slug



Right In: 1.544+/-0.001 χ^2/NDF: 25292522.1/24

Left Out: 355.535+/-0.058 χ^2/NDF:528878.5/24

Right Out: 1.544+/-0.001 χ^2/NDF: 28839952.2/30

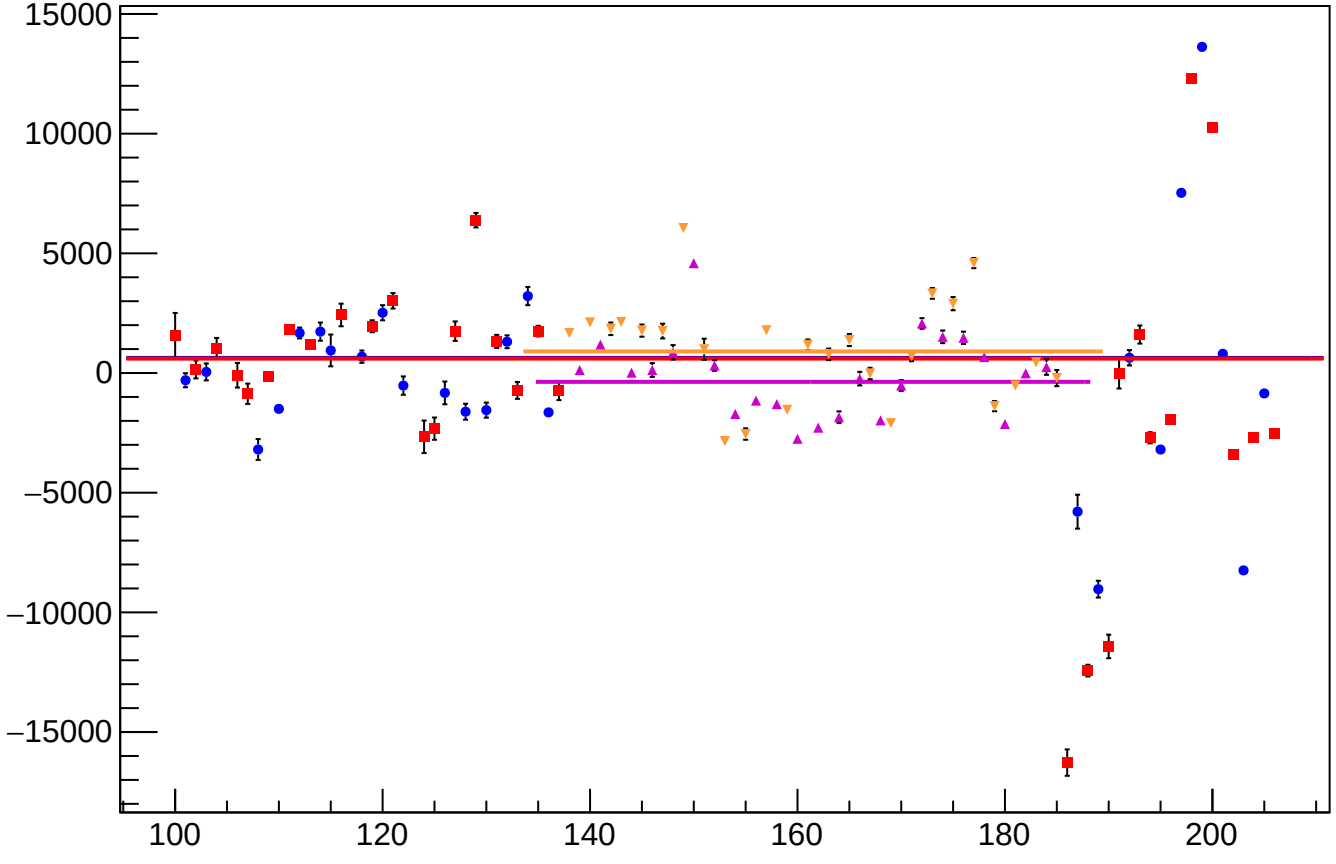
Left In: 347.484+/-0.058 χ^2/NDF:344530.3/22

\+ sign 1.690+/-0.001 χ^2/NDF: 63486101.1/49

All: 1.676+/-0.001 χ^2/NDF: 128158653.6/103

\- sign 1.664+/-0.001 χ^2/NDF: 64672273.4/53

asym_bcm0l02_mean vs Slug



Right In: 631.217+/-50.956 χ^2/NDF: 11334.6/24

Left Out: 901.476+/-44.481 χ^2/NDF:2411.0/24

Right Out: 602.989+/-47.111 χ^2/NDF: 13728.0/30

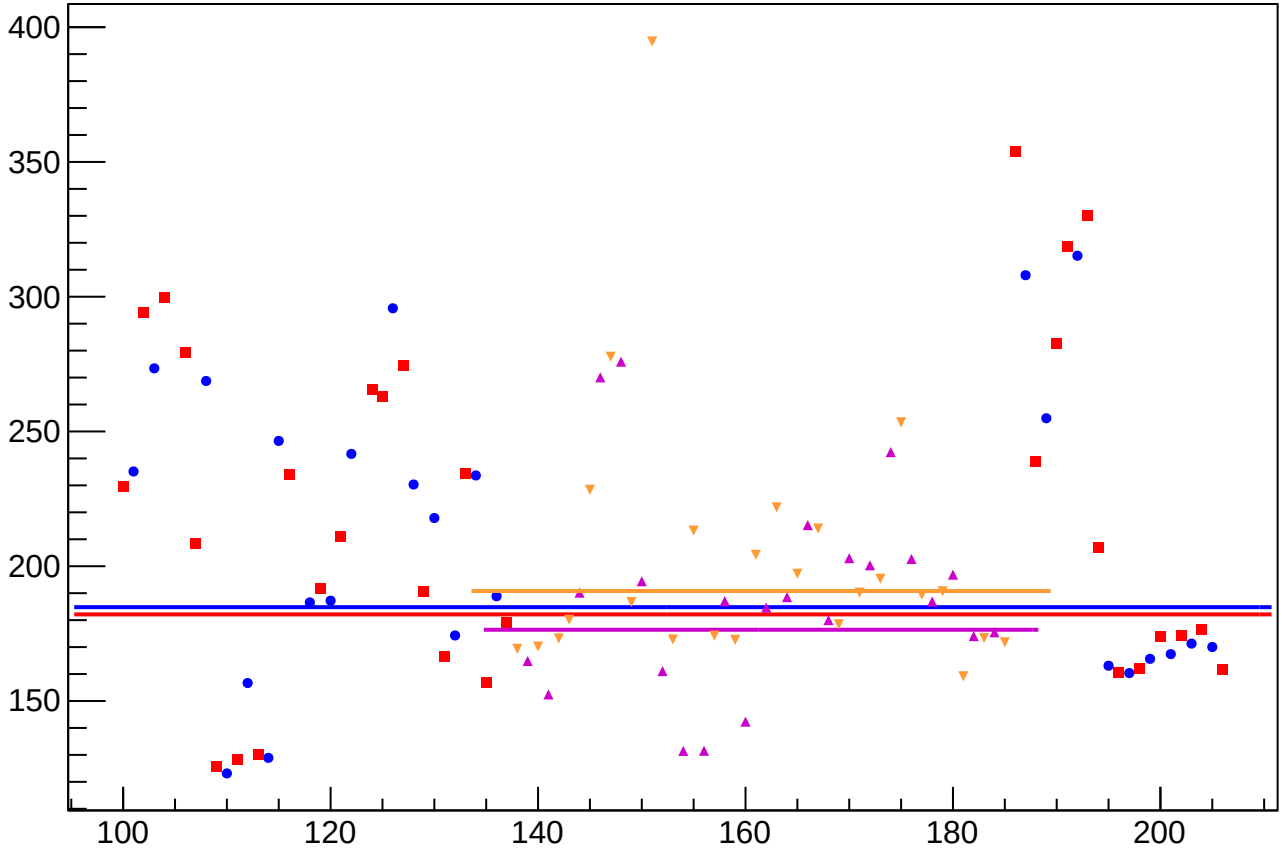
Left In: -368.252+/-42.700 χ^2/NDF:1593.0/22

+ sign 784.598+/-33.510 χ^2/NDF: 13761.5/49

All: 406.668+/-23.005 χ^2/NDF: 29556.4/103

- sign 69.778+/-31.638 χ^2/NDF: 15554.3/53

asym_bcm0l02_rms vs Slug



Right In: 184.813+/-0.036 χ^2/NDF: 1387847.7/24

Left Out: 190.801+/-0.031 χ^2/NDF:1019598.1/24

Right Out: 182.123+/-0.033 χ^2/NDF: 2140967.1/30

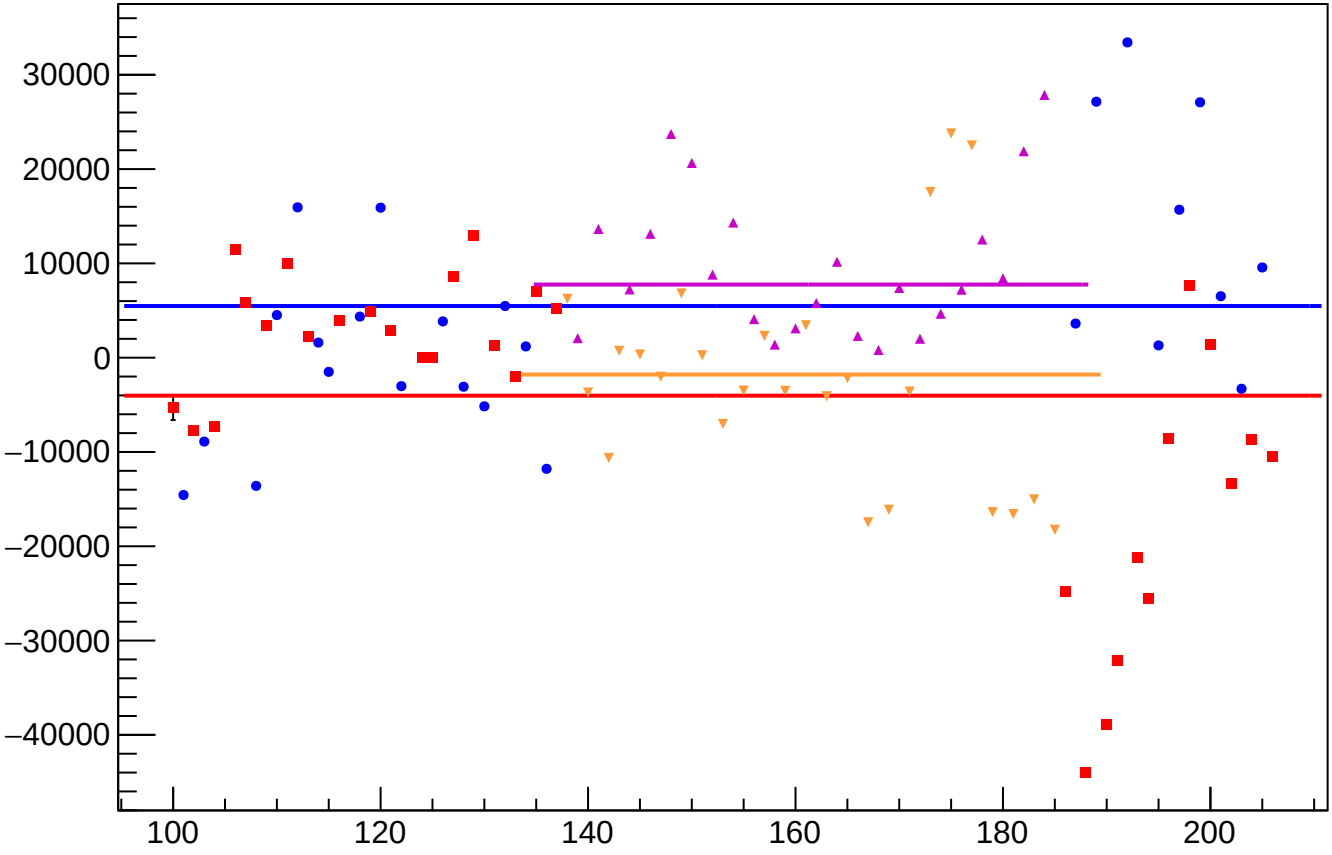
Left In: 176.431+/-0.030 χ^2/NDF:1257661.0/22

+ sign 188.212+/-0.024 χ^2/NDF: 2423118.8/49

All: 183.340+/-0.016 χ^2/NDF: 5917707.0/103

- sign 178.998+/-0.022 χ^2/NDF: 3414654.1/53

asym_bpm0i02WS_mean vs Slug



Right In: 5478.014+/-42.588 χ^2/NDF: 90417.3/24

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -4027.617+/-39.615 χ^2/NDF: 137269.9/30

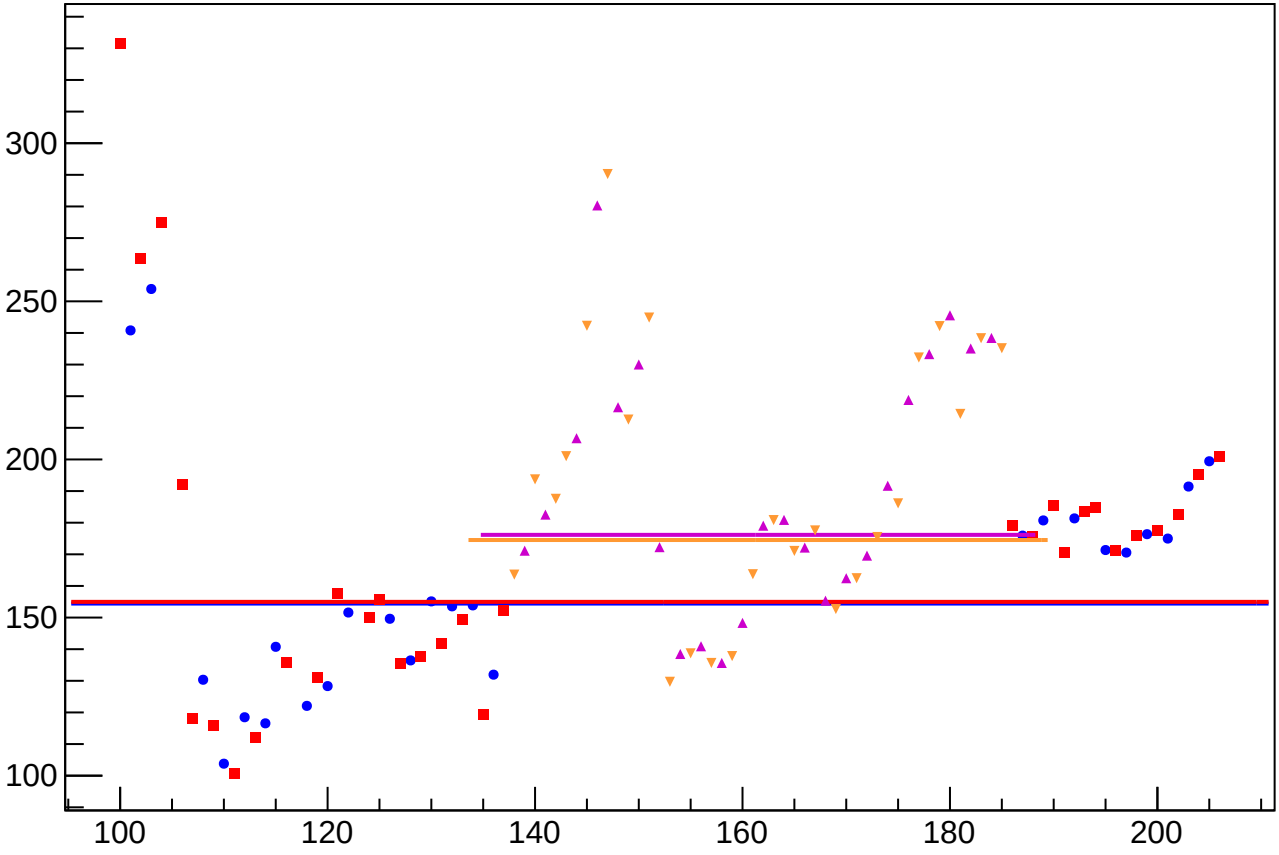
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 1697.841+/-29.503 χ^2/NDF: 171311.6/49

All: 1566.821+/-20.682 χ^2/NDF: 372948.3/10

- sign 1440.224+/-29.001 χ^2/NDF: 201597.9/53

asym_bpm0i02WS_rms vs Slug



Right In: 154.430+/-0.030 χ^2/NDF: 1132259.5/24

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 154.968+/-0.028 χ^2/NDF: 1611051.6/30

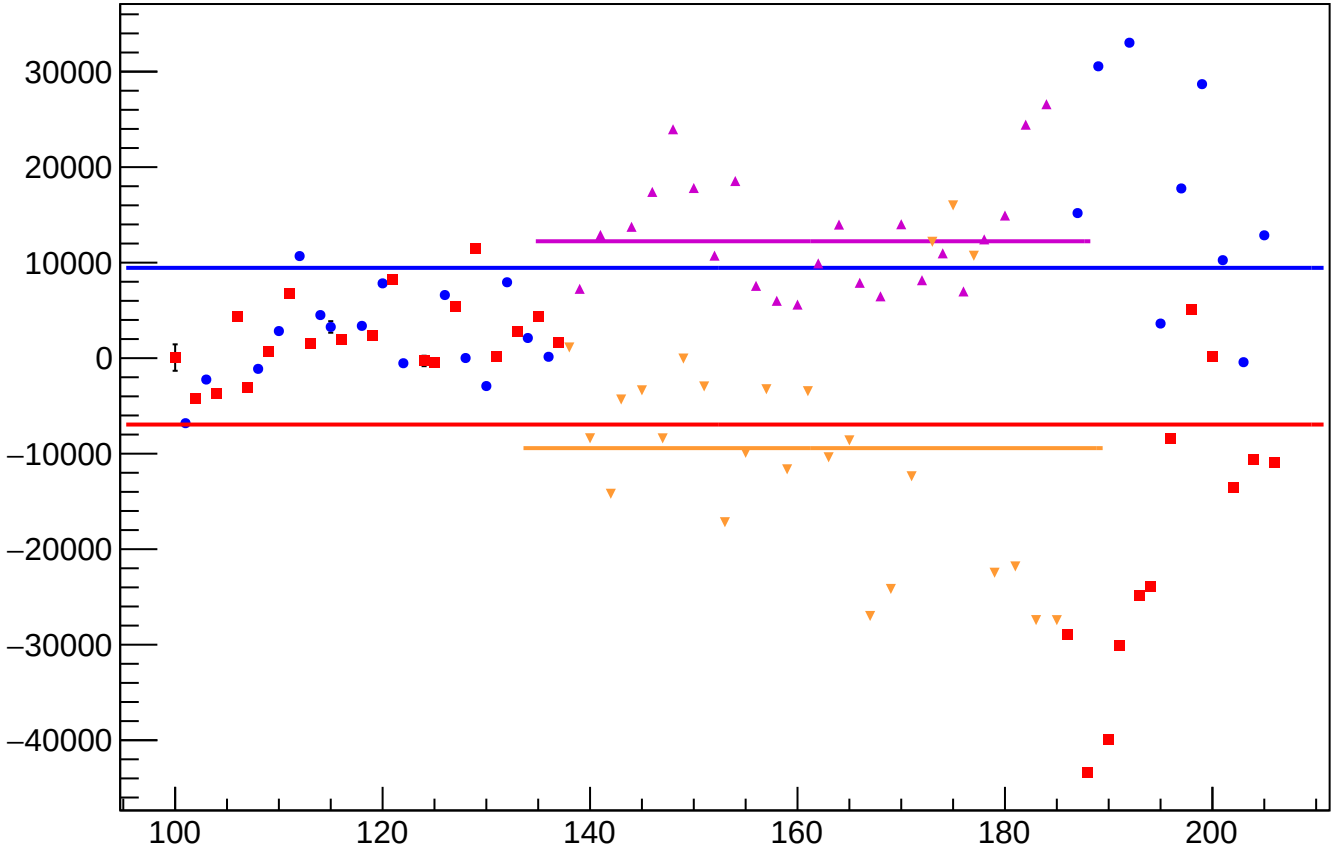
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 164.879+/-0.021 χ^2/NDF: 3023210.7/49

All: 164.839+/-0.015 χ^2/NDF: 6266794.3/103

- sign 164.800+/-0.021 χ^2/NDF: 3243576.4/53

asym_bpm0i02aWS_mean vs Slug



Right In: 9454.703+/-48.295 χ^2/NDF: 51225.8/24

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -6950.226+/-44.320 χ^2/NDF: 105809.8/30

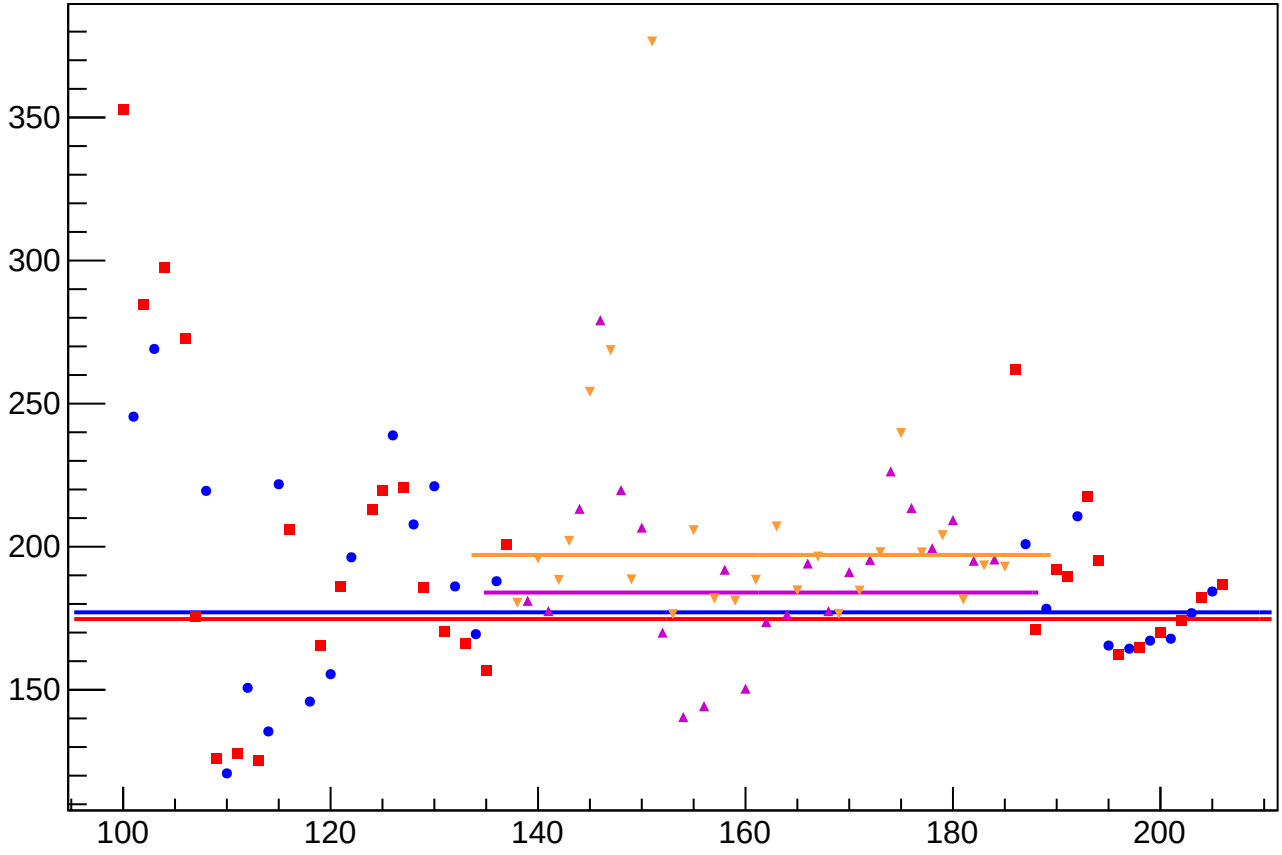
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -503.812+/-33.193 χ^2/NDF: 196534.5/49

All: 1177.174+/-22.770 χ^2/NDF: 417196.9/10

- sign 2671.359+/-31.295 χ^2/NDF: 215818.1/53

asym_bpm0i02aWS_rms vs Slug



Right In: 177.073+/-0.034 χ^2/NDF: 762374.2/24

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.722+/-0.031 χ^2/NDF: 1206158.1/30

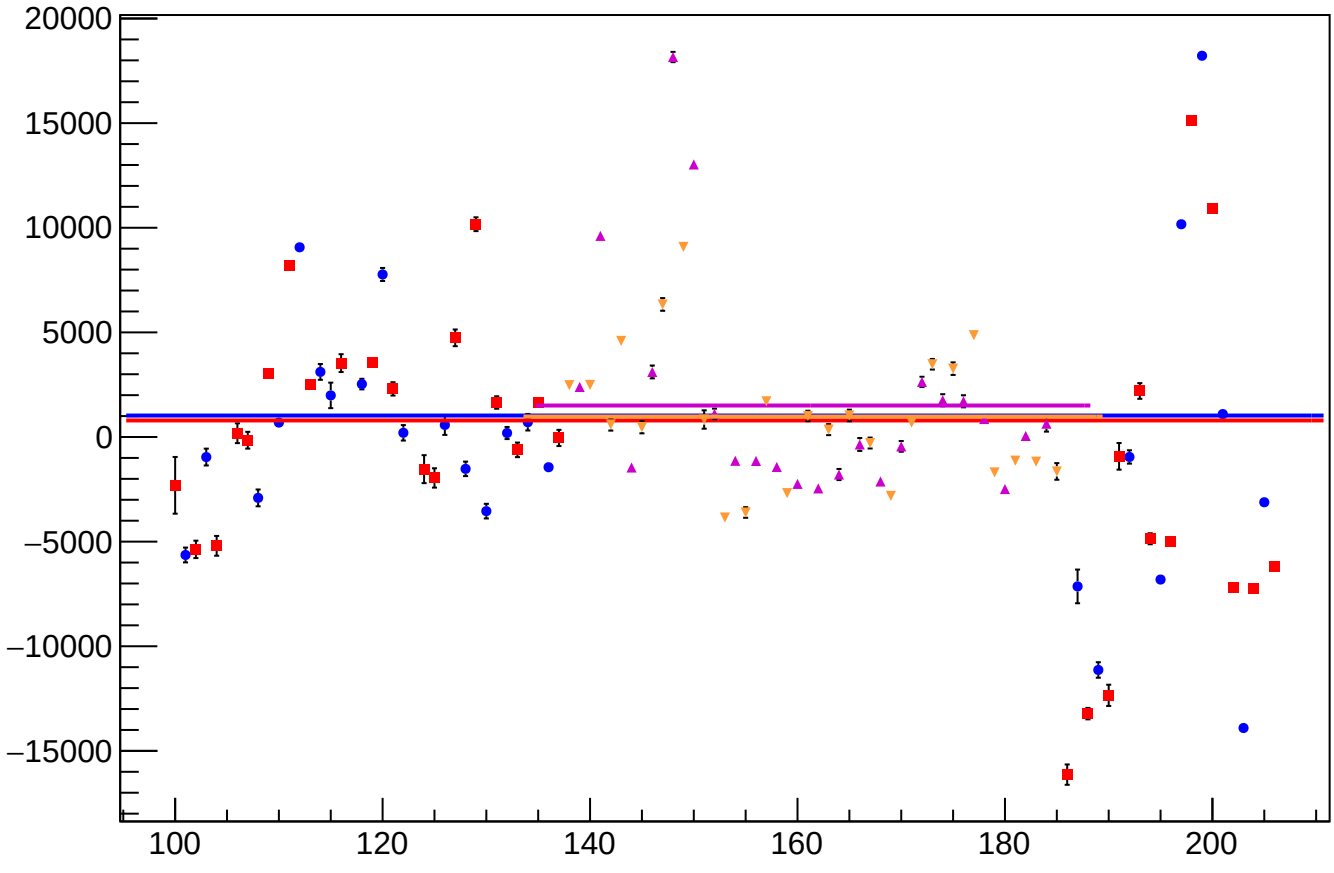
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 187.651+/-0.023 χ^2/NDF: 1676756.9/49

All: 183.265+/-0.016 χ^2/NDF: 3822460.6/103

- sign 179.367+/-0.022 χ^2/NDF: 2079745.8/53

asym_bpm0i05WS_mean vs Slug



Right In: 1026.035+/-54.439 χ^2/NDF: 20702.7/24

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 791.403+/-50.150 χ^2/NDF: 20901.1/30

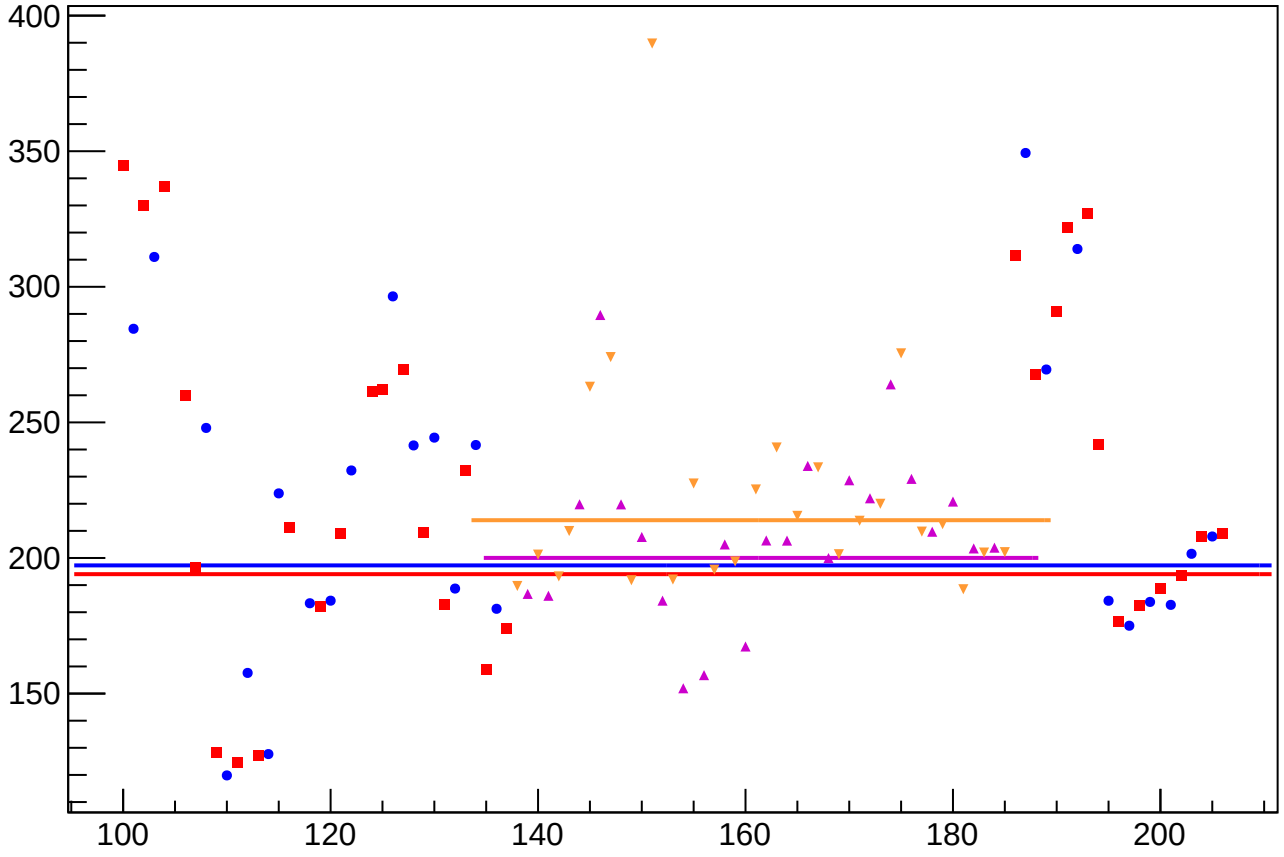
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 1000.026+/-36.667 χ^2/NDF: 25026.1/49

All: 1086.275+/-25.202 χ^2/NDF: 57523.8/103

- sign 1163.500+/-34.695 χ^2/NDF: 32487.3/53

asym_bpm0i05WS_rms vs Slug



Right In: 197.267+/-0.038 χ^2/NDF: 1444996.8/24

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 194.035+/-0.035 χ^2/NDF: 2254355.9/30

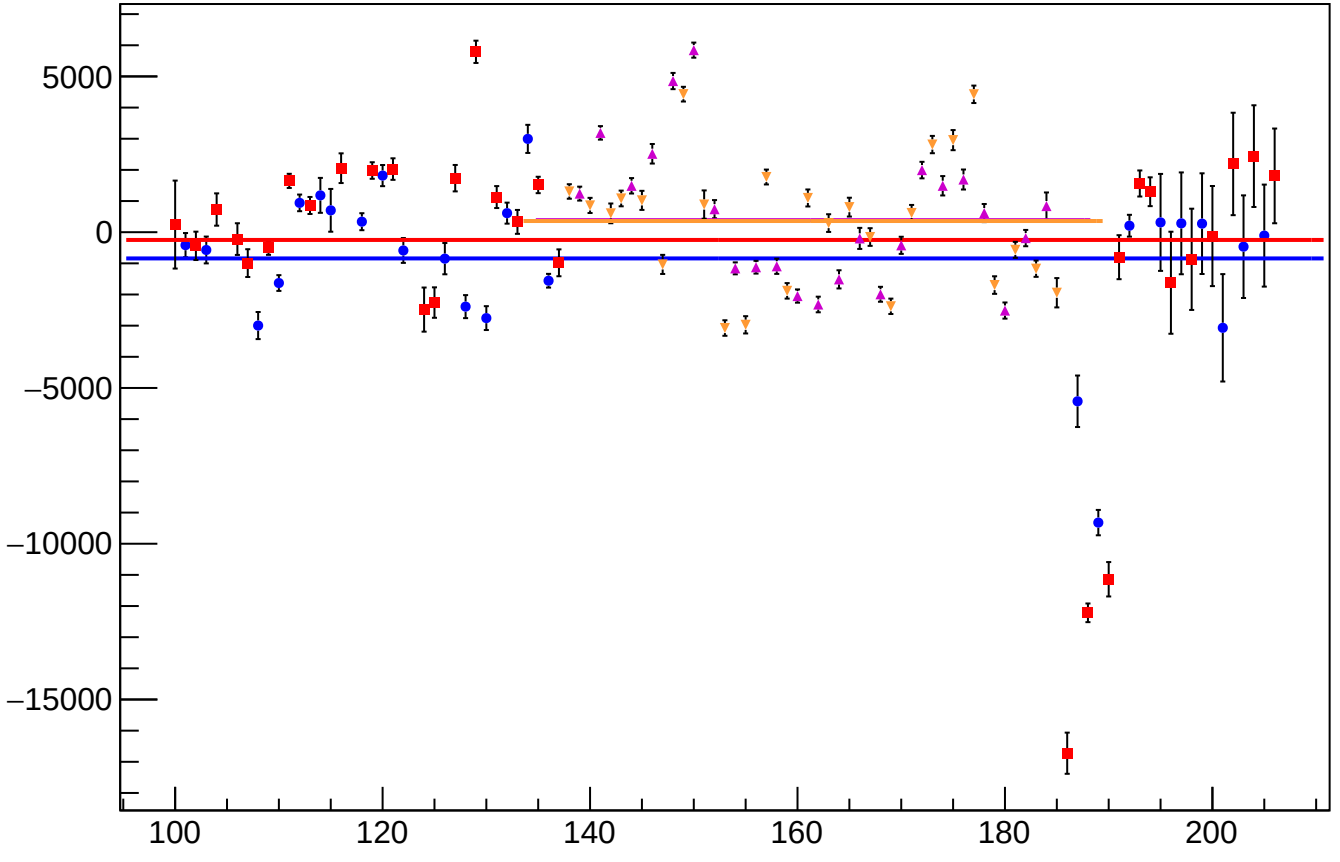
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.371+/-0.026 χ^2/NDF: 2281017.8/49

All: 201.512+/-0.018 χ^2/NDF: 5402380.1/103

- sign 197.161+/-0.025 χ^2/NDF: 3054782.8/53

asym_bpm0i07WS_mean vs Slug



Right In: -842.150+/-81.385 χ^2/NDF: 799.7/24

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -248.871+/-73.711 χ^2/NDF: 3275.7/30

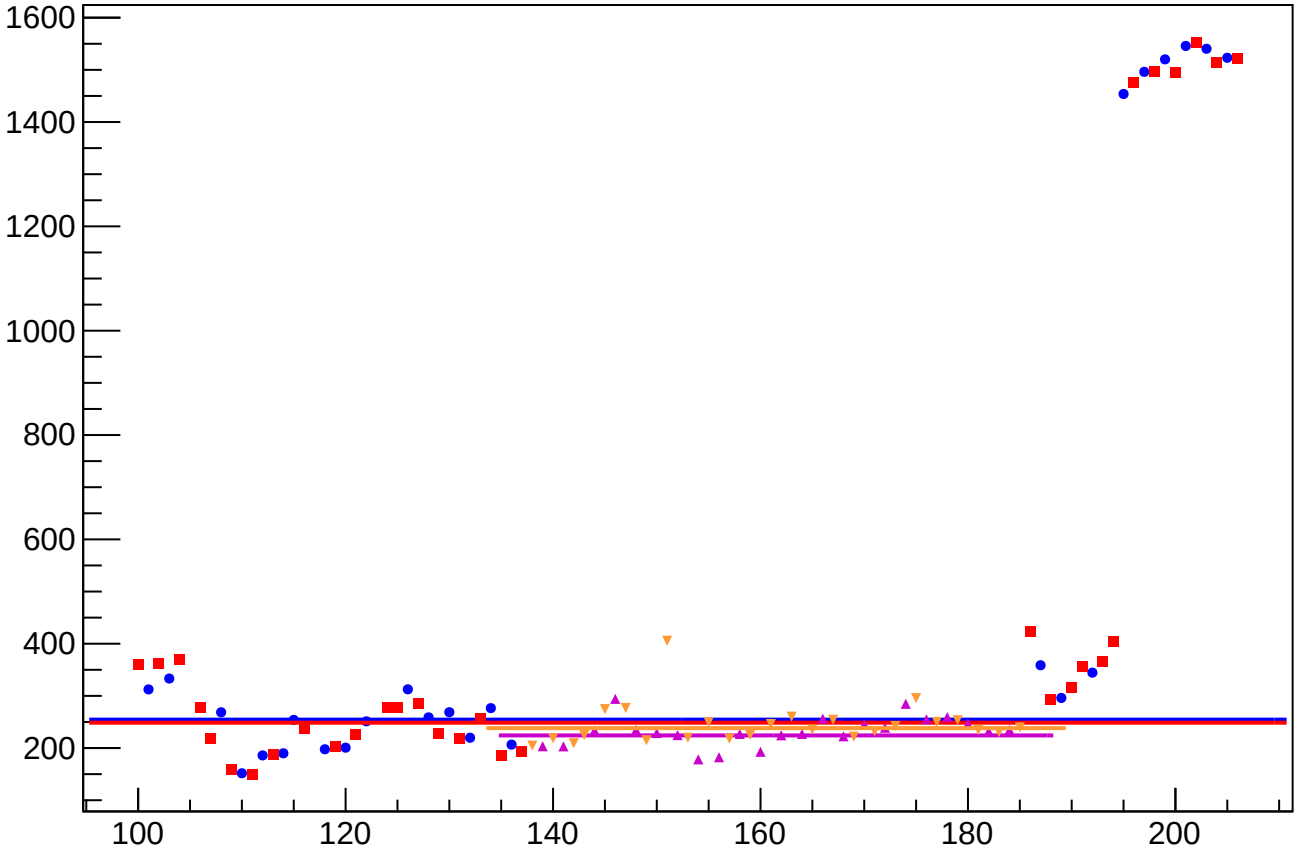
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -17.723+/-45.565 χ^2/NDF: 2368.0/49

All: 79.533+/-31.393 χ^2/NDF: 7505.3/103

- sign 167.411+/-43.312 χ^2/NDF: 5128.6/53

asym_bpm0i07WS_rms vs Slug



Right In: 254.471+/-0.058 χ^2/NDF: 8185656.8/24

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 248.632+/-0.052 χ^2/NDF: 9366590.5/30

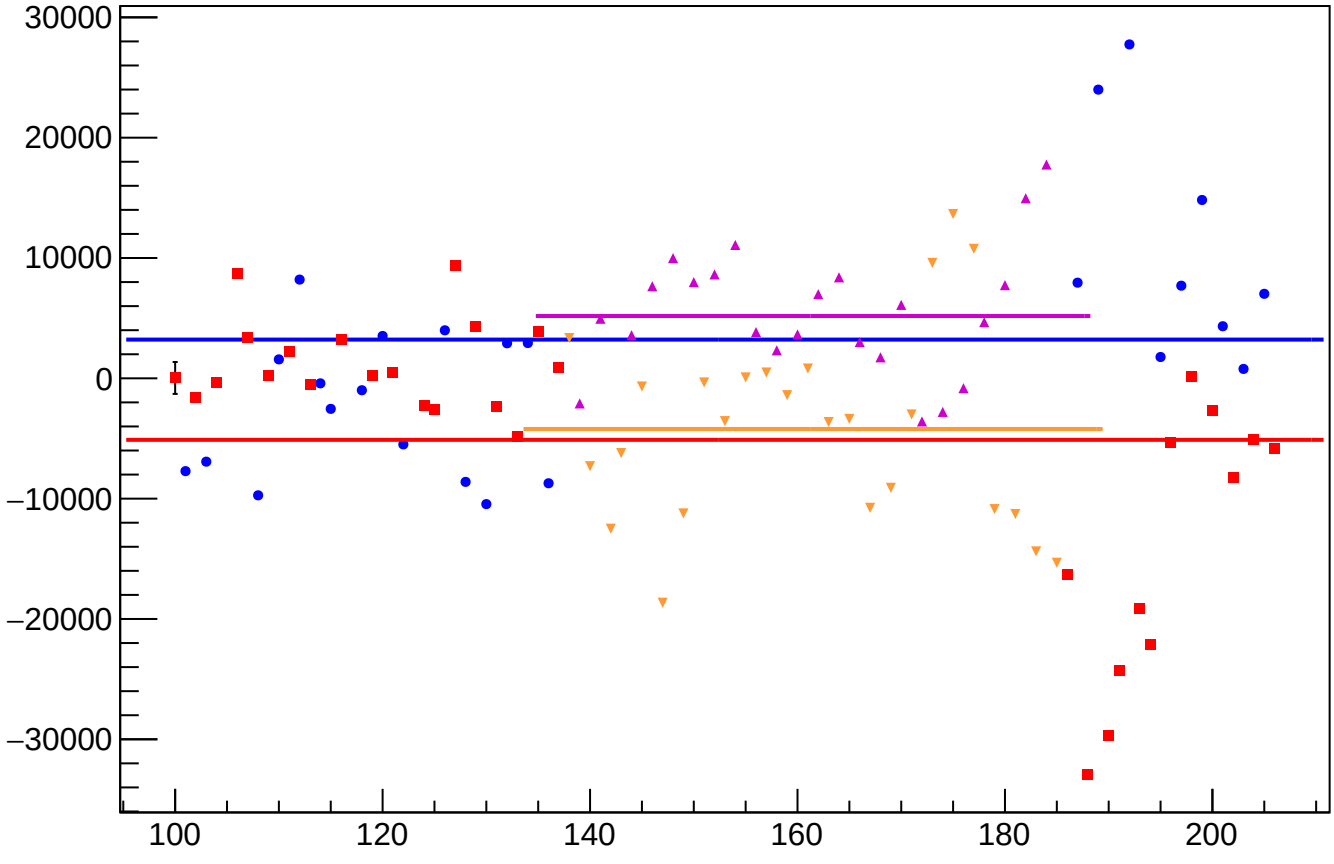
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 243.300+/-0.032 χ^2/NDF: 8808479.4/49

All: 237.702+/-0.022 χ^2/NDF: 18939488.1/10

- sign 232.644+/-0.031 χ^2/NDF: 10073546.6/53

asym_bpm1i02WS_mean vs Slug



Right In: 3219.565+/-36.144 χ^2/NDF: 76307.2/24

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5111.560+/-33.402 χ^2/NDF: 102903.5/30

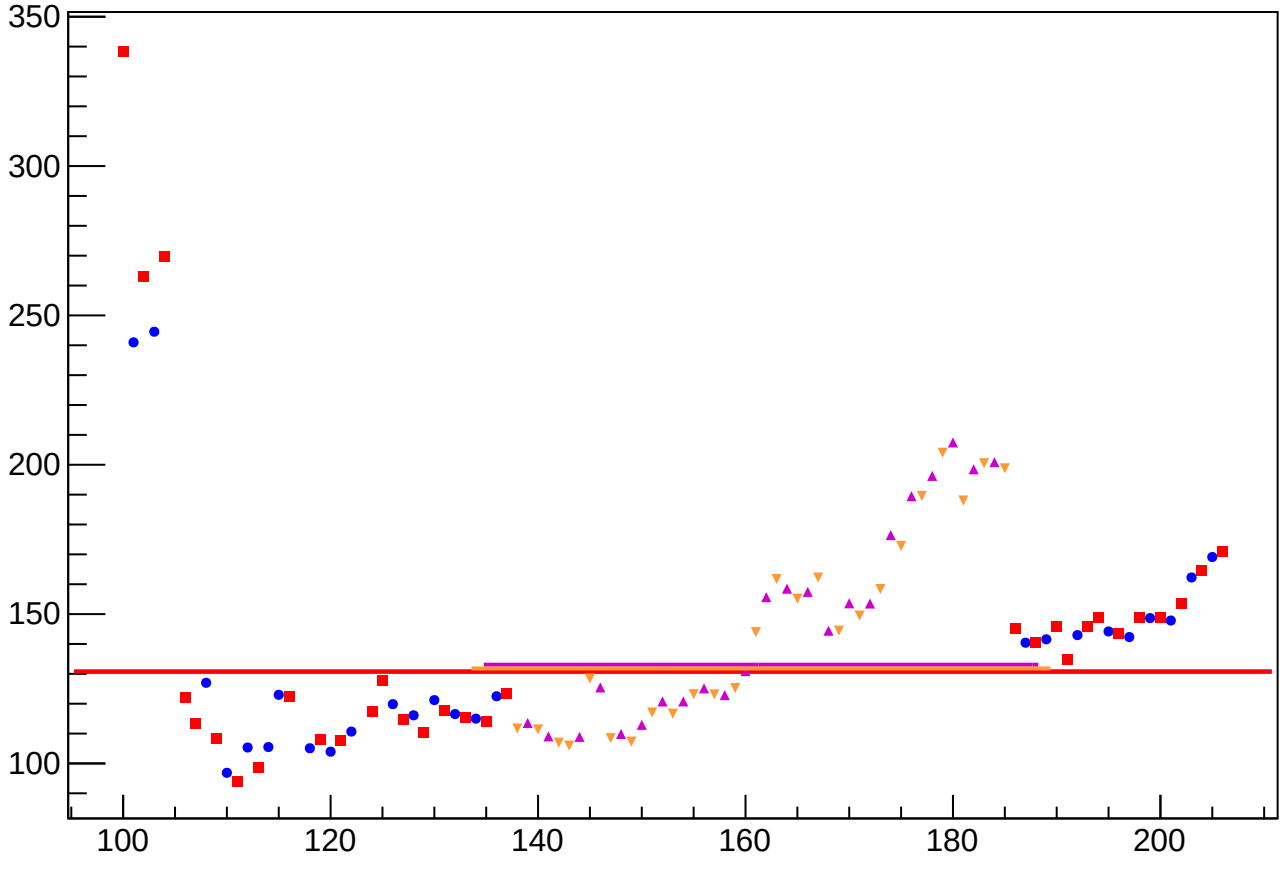
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1081.550+/-23.455 χ^2/NDF: 157573.1/49

All: -401.082+/-16.457 χ^2/NDF: 330205.1/10

- sign 258.670+/-23.095 χ^2/NDF: 170974.3/53

asym_bpm1i02WS_rms vs Slug



Right In: 130.746+/-0.026 χ^2/NDF: 1120800.3/24

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 130.767+/-0.024 χ^2/NDF: 1445766.6/30

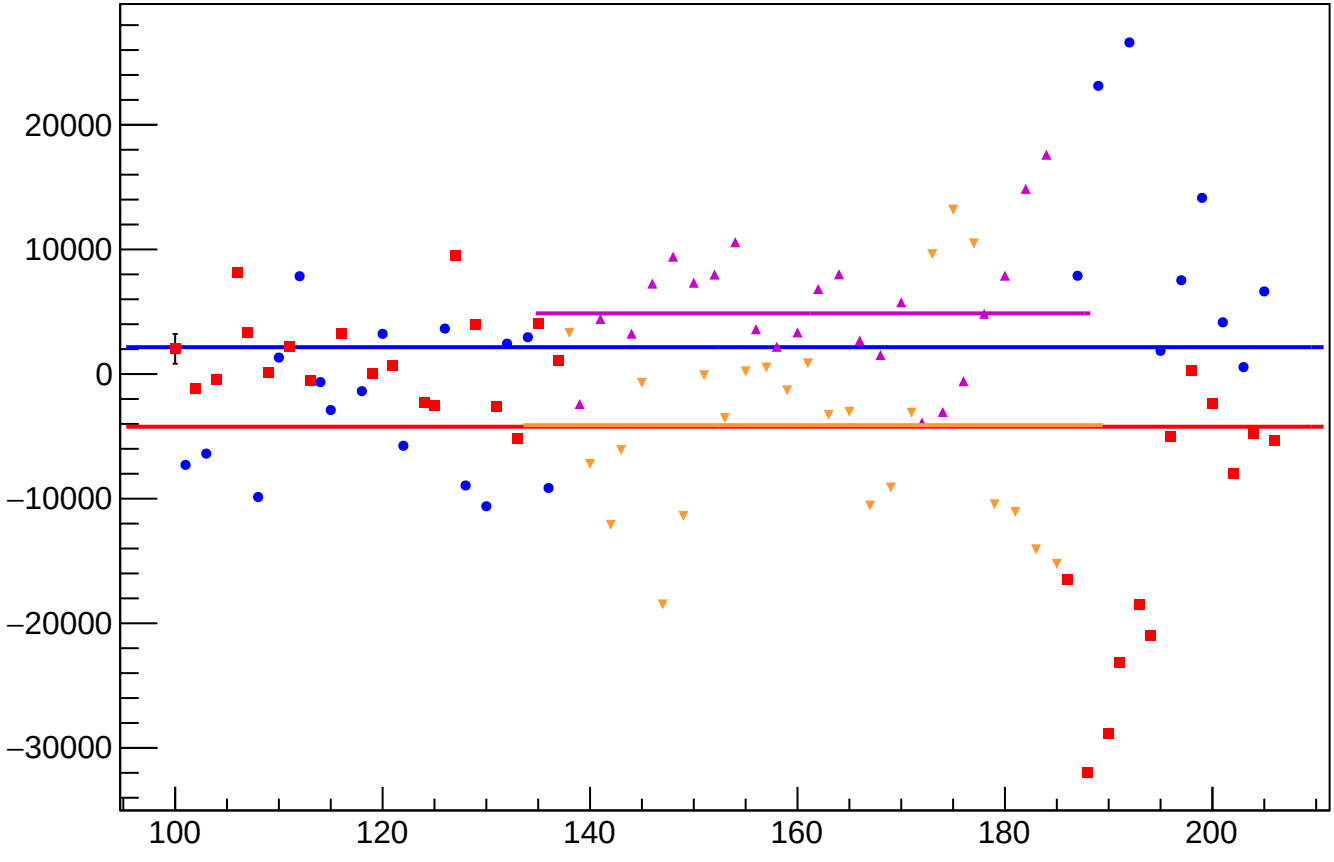
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 131.355+/-0.017 χ^2/NDF: 2666119.7/49

All: 131.664+/-0.012 χ^2/NDF: 5535749.8/103

- sign 131.964+/-0.016 χ^2/NDF: 2868944.8/53

asym_bpm2i01WS_mean vs Slug



Right In: 2155.555+/-32.946 χ^2/NDF: 83250.4/24

Left Out: -4098.897+/-27.771 χ^2/NDF:66271.3/24

Right Out: -4225.974+/-30.697 χ^2/NDF: 108643.9/30

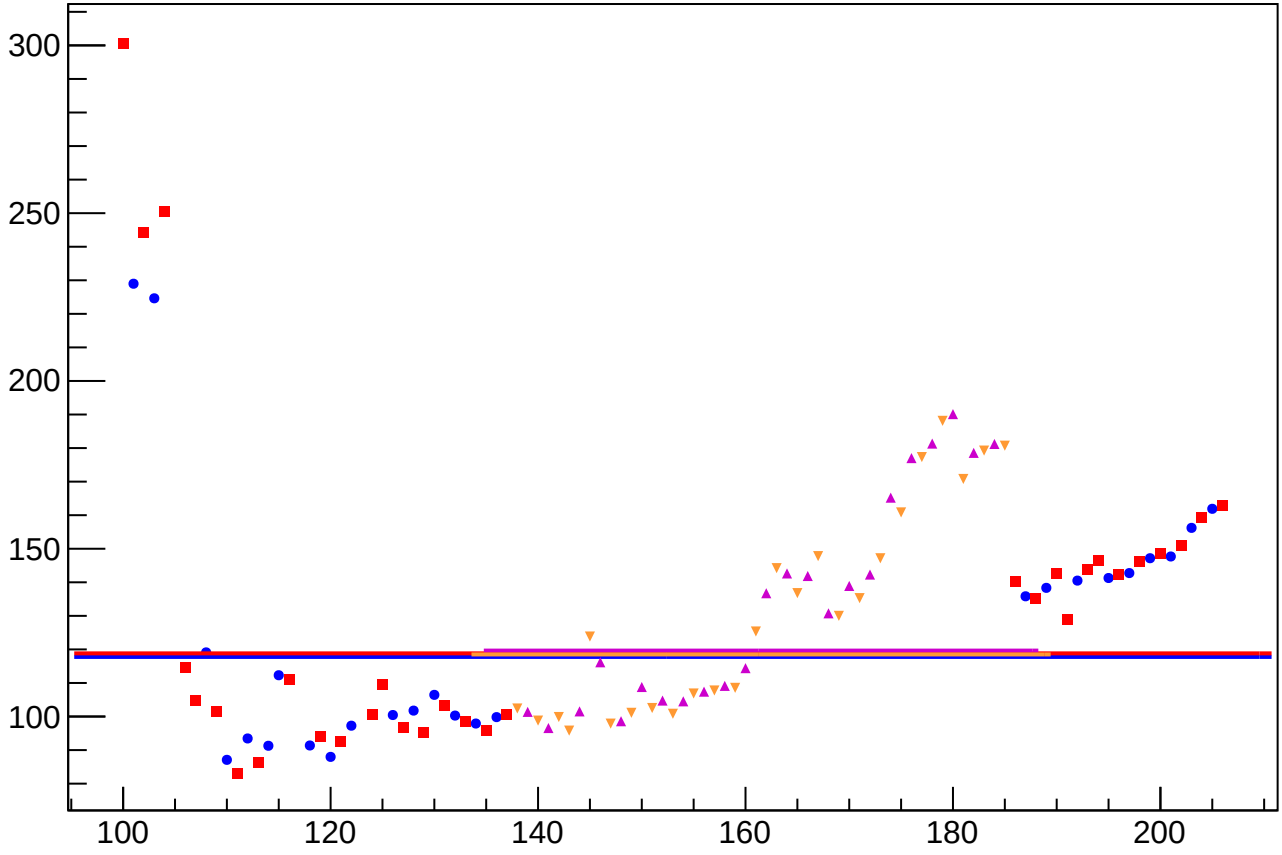
Left In: 4869.740+/-28.809 χ^2/NDF:21913.6/22

\+ sign -1500.814+/-21.234 χ^2/NDF: 170590.9/49

All: -433.947+/-14.934 χ^2/NDF: 352825.3/10

\- sign 610.220+/-21.007 χ^2/NDF: 177239.2/53

asym_bpm2i01WS_rms vs Slug



Right In: 117.763+/-0.023 χ^2/NDF: 1652883.1/24

Left Out: 118.502+/-0.020 χ^2/NDF:1627138.9/24

Right Out: 118.822+/-0.022 χ^2/NDF: 2031933.7/30

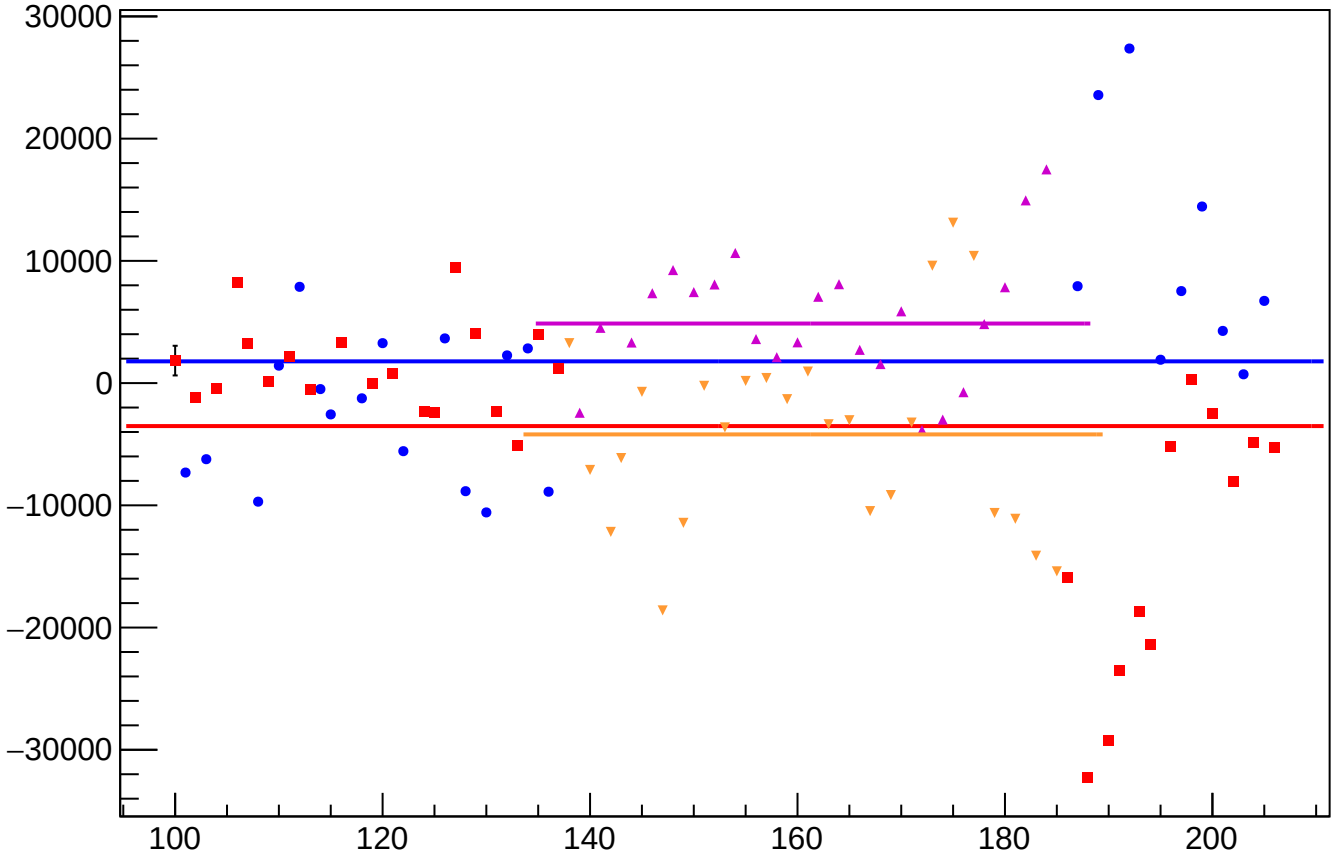
Left In: 119.645+/-0.020 χ^2/NDF:1512380.5/22

+ sign 118.195+/-0.015 χ^2/NDF: 3280609.3/49

All: 118.733+/-0.011 χ^2/NDF: 6828228.0/103

- sign 119.259+/-0.015 χ^2/NDF: 3545079.2/53

asym_bpm2i02WS_mean vs Slug



Right In: 1779.386+/-32.389 χ^2/NDF: 82141.6/24

Left Out: -4197.414+/-27.211 χ^2/NDF:70415.4/24

Right Out: -3516.261+/-30.302 χ^2/NDF: 102022.0/30

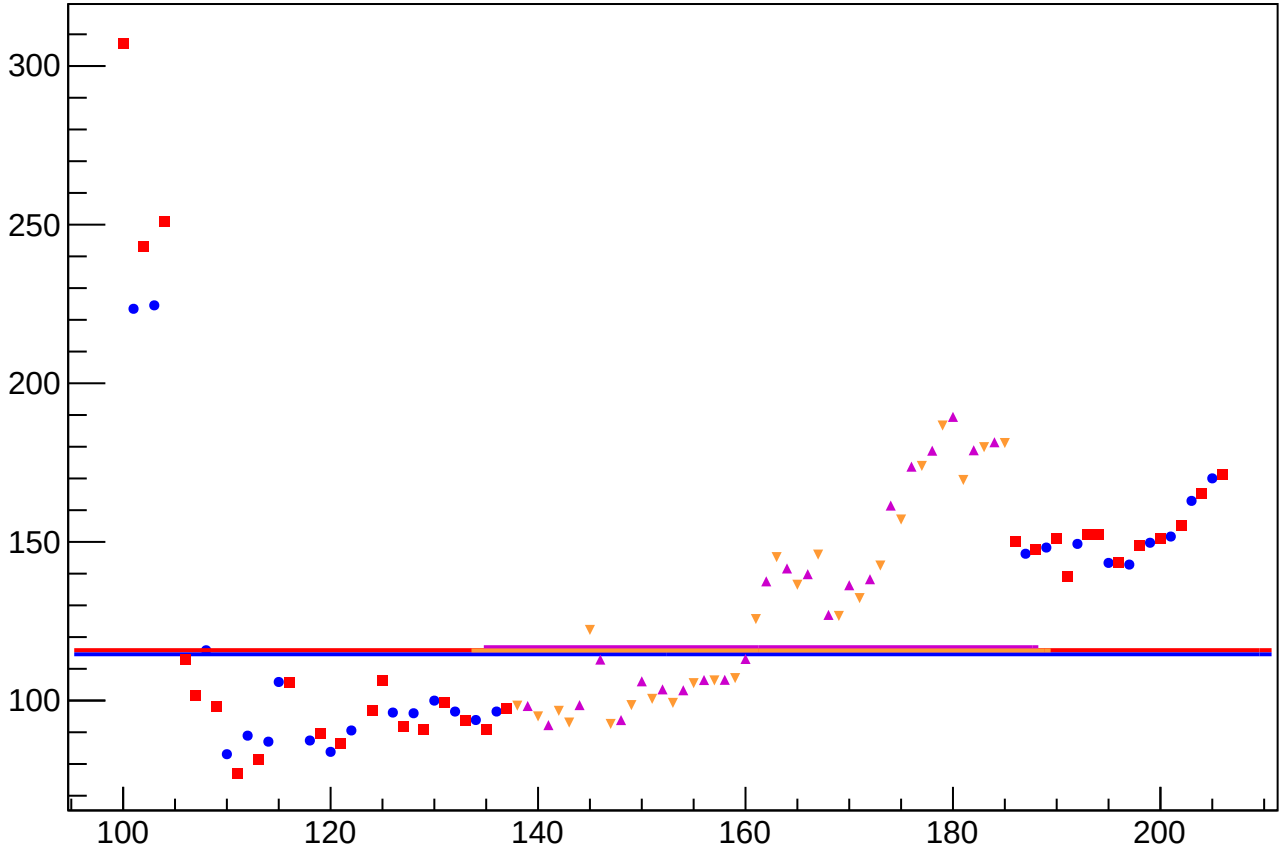
Left In: 4873.124+/-28.200 χ^2/NDF:22923.8/22

\+ sign -1724.388+/-20.834 χ^2/NDF: 172519.6/49

All: -360.085+/-14.664 χ^2/NDF: 347039.8/10

\- sign 979.391+/-20.644 χ^2/NDF: 166021.8/53

asym_bpm2i02WS_rms vs Slug



Right In: 114.588+/-0.023 χ^2/NDF: 2077198.3/24

Left Out: 115.798+/-0.019 χ^2/NDF:1749021.2/24

Right Out: 115.880+/-0.021 χ^2/NDF: 2660984.2/30

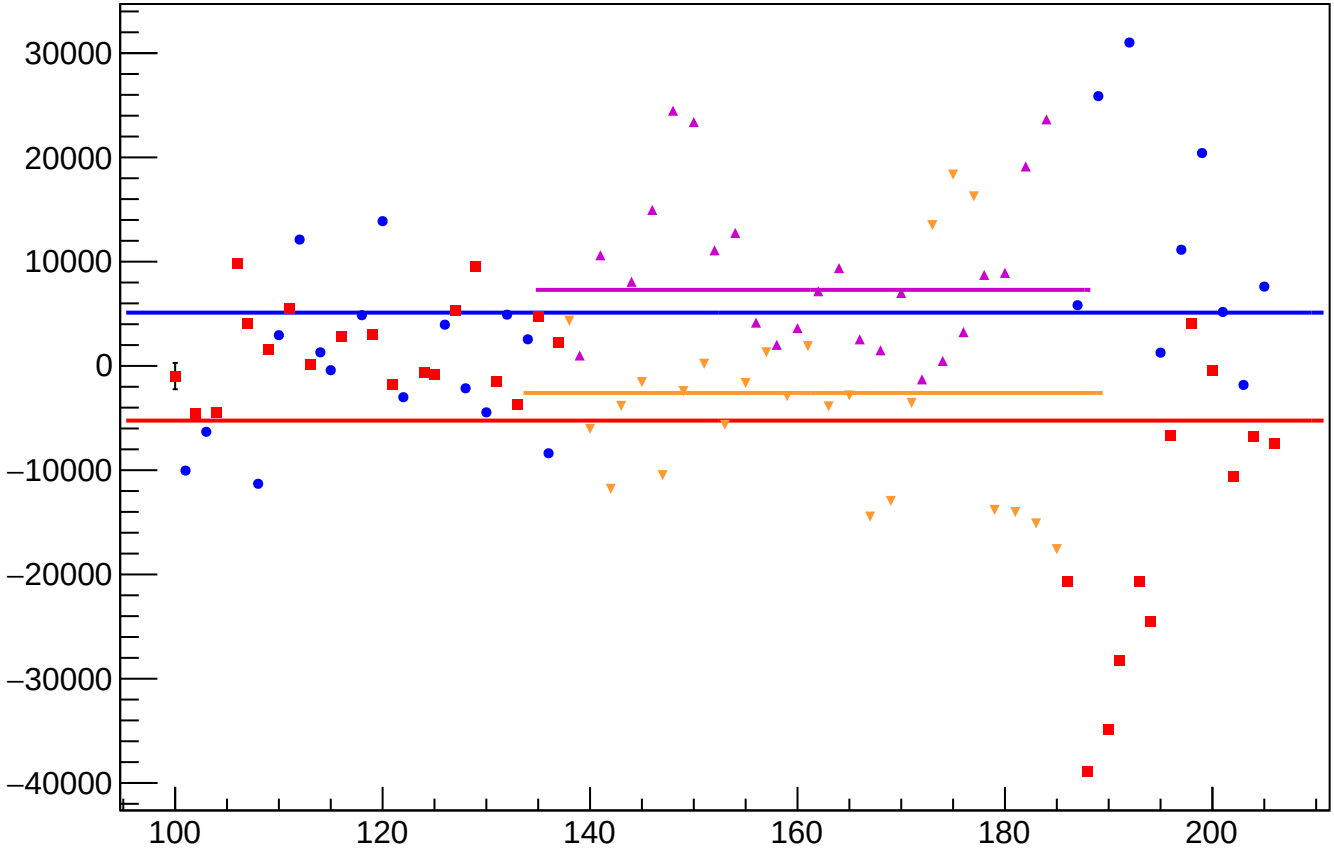
Left In: 116.808+/-0.020 χ^2/NDF:1617645.9/22

+ sign 115.297+/-0.015 χ^2/NDF: 3827856.8/49

All: 115.842+/-0.010 χ^2/NDF: 8110207.0/103

- sign 116.377+/-0.015 χ^2/NDF: 4279637.2/53

asym_bpm0i01WS_mean vs Slug



Right In: 5111.753+/-43.243 χ^2/NDF: 62589.5/24

Left Out: -2591.379+/-37.643 χ^2/NDF:47994.7/24

Right Out: -5243.191+/-40.419 χ^2/NDF: 97097.4/30

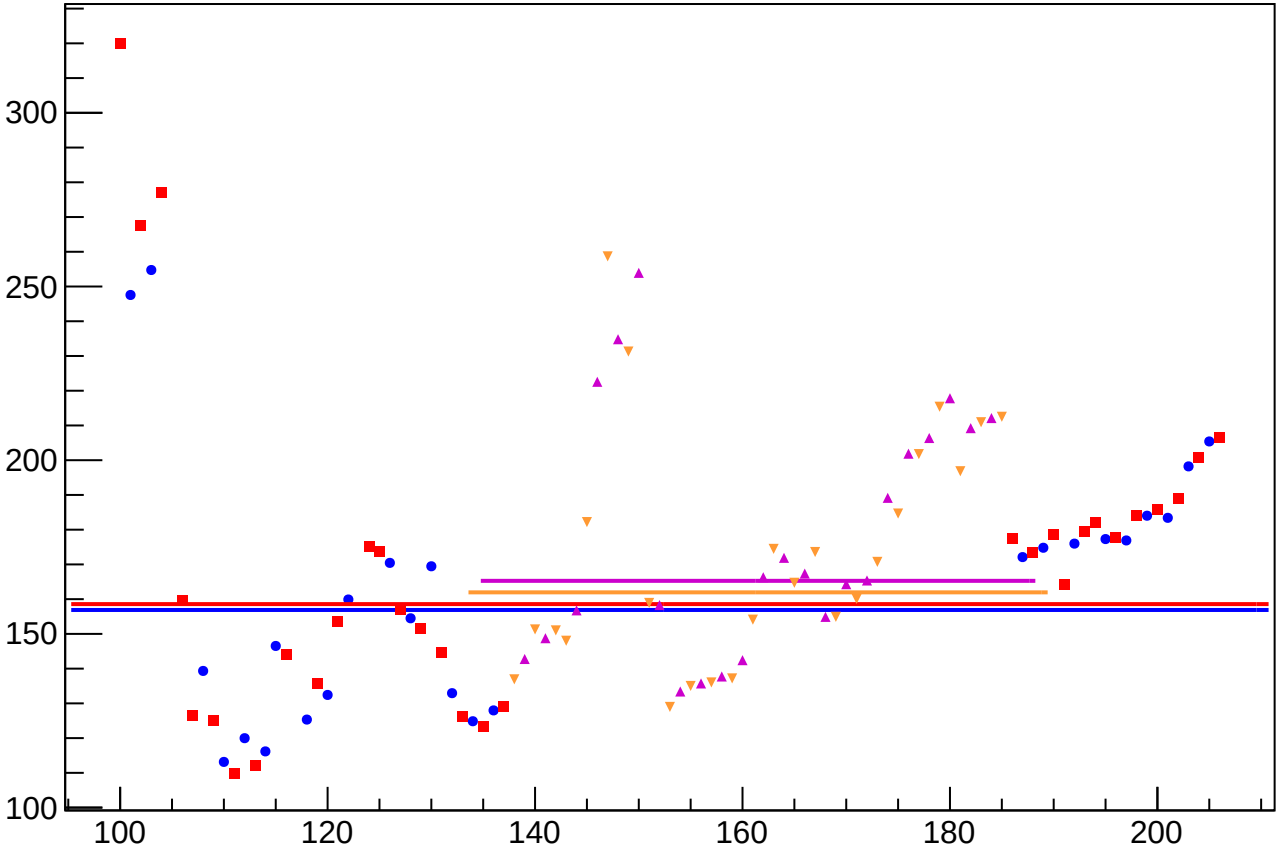
Left In: 7296.193+/-39.576 χ^2/NDF:24743.4/22

+ sign 729.485+/-28.392 χ^2/NDF: 128636.9/49

All: 944.950+/-20.036 χ^2/NDF: 299729.9/103

- sign 1158.676+/-28.278 χ^2/NDF: 170978.3/53

asym_bpm0i01WS_rms vs Slug



Right In: 156.887+/-0.031 χ^2/NDF: 1176464.8/24

Left Out: 161.957+/-0.027 χ^2/NDF:1144808.3/24

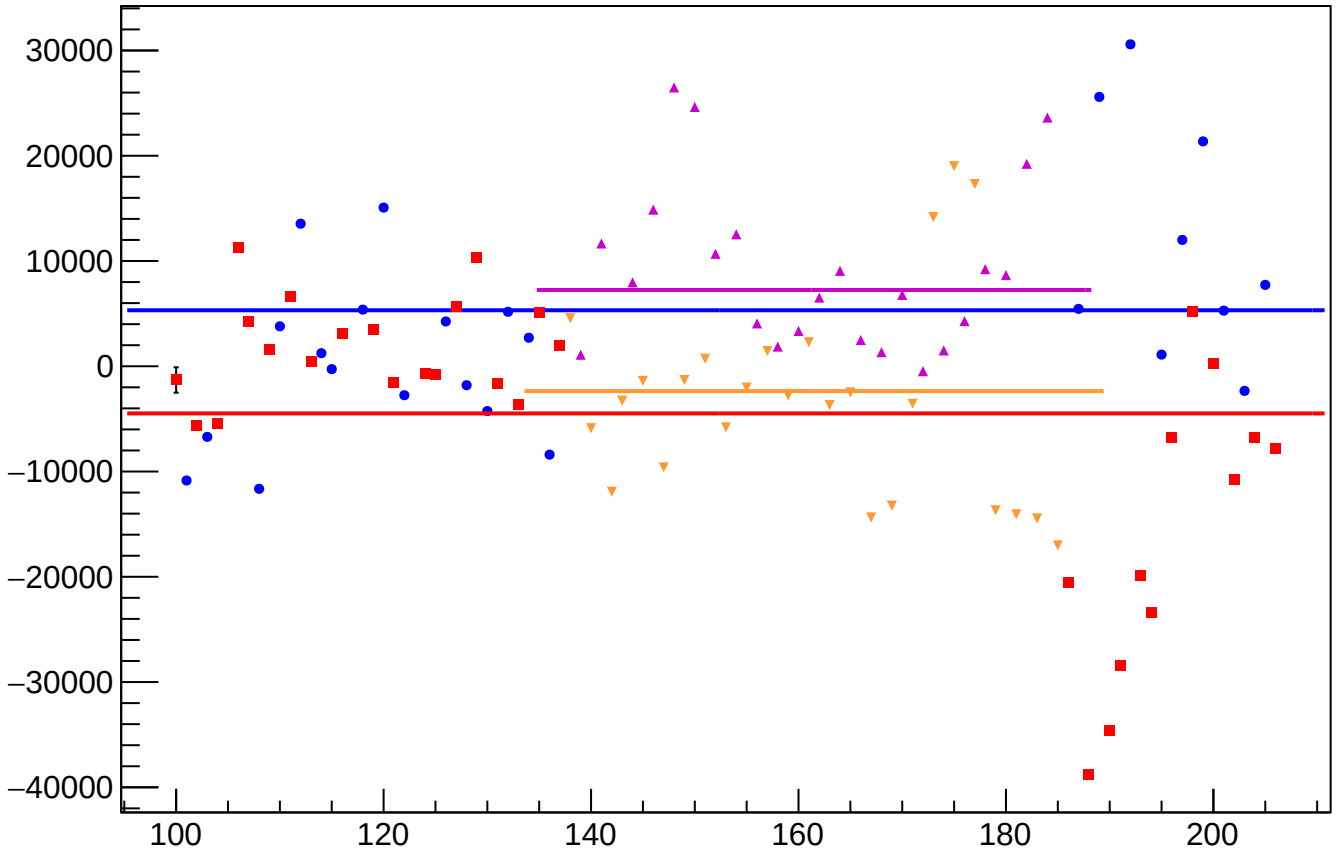
Right Out: 158.575+/-0.029 χ^2/NDF: 1465348.7/30

Left In: 165.273+/-0.028 χ^2/NDF:1179090.6/22

+ sign 159.771+/-0.020 χ^2/NDF: 2336915.0/49

All: 160.887+/-0.014 χ^2/NDF: 5015545.7/103

- sign 161.994+/-0.020 χ^2/NDF: 2672474.3/53



Right In: 5320.879+/-36.668 χ^2/NDF: 87527.8/24

Left Out: -2360.753+/-33.680 χ^2/NDF:58566.4/24

Right Out: -4481.238+/-34.092 χ^2/NDF: 134969.8/30

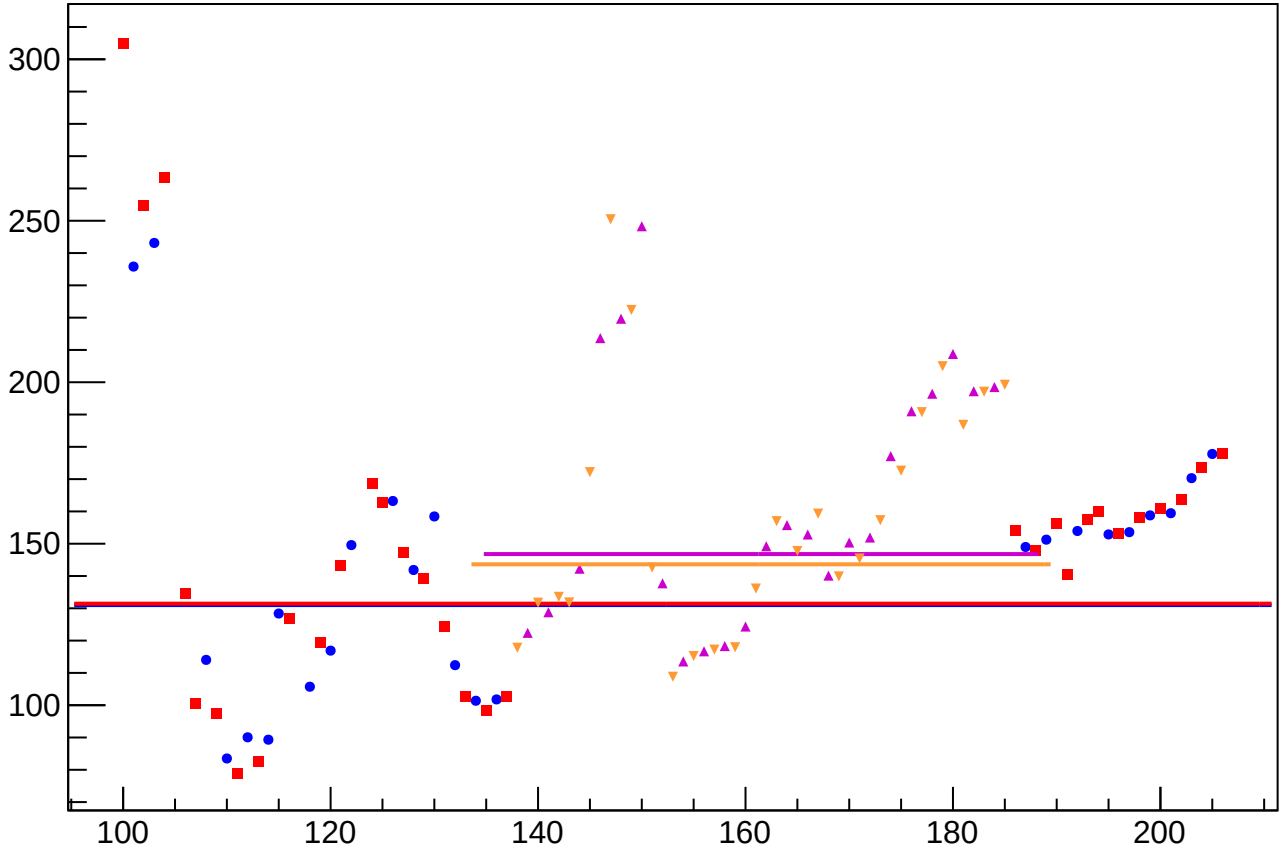
Left In: 7244.763+/-35.507 χ^2/NDF:30447.9/22

+ sign 1154.343+/-24.805 χ^2/NDF: 169897.7/49

All: 1148.860+/-17.464 χ^2/NDF: 392061.9/10

- sign 1143.469+/-24.592 χ^2/NDF: 222164.1/53

asym_bpm0i01aWS_rms vs Slug



Right In: 131.003+/-0.026 χ^2/NDF: 1810646.5/24

Left Out: 143.622+/-0.024 χ^2/NDF:1662825.4/24

Right Out: 131.444+/-0.024 χ^2/NDF: 2314001.0/30

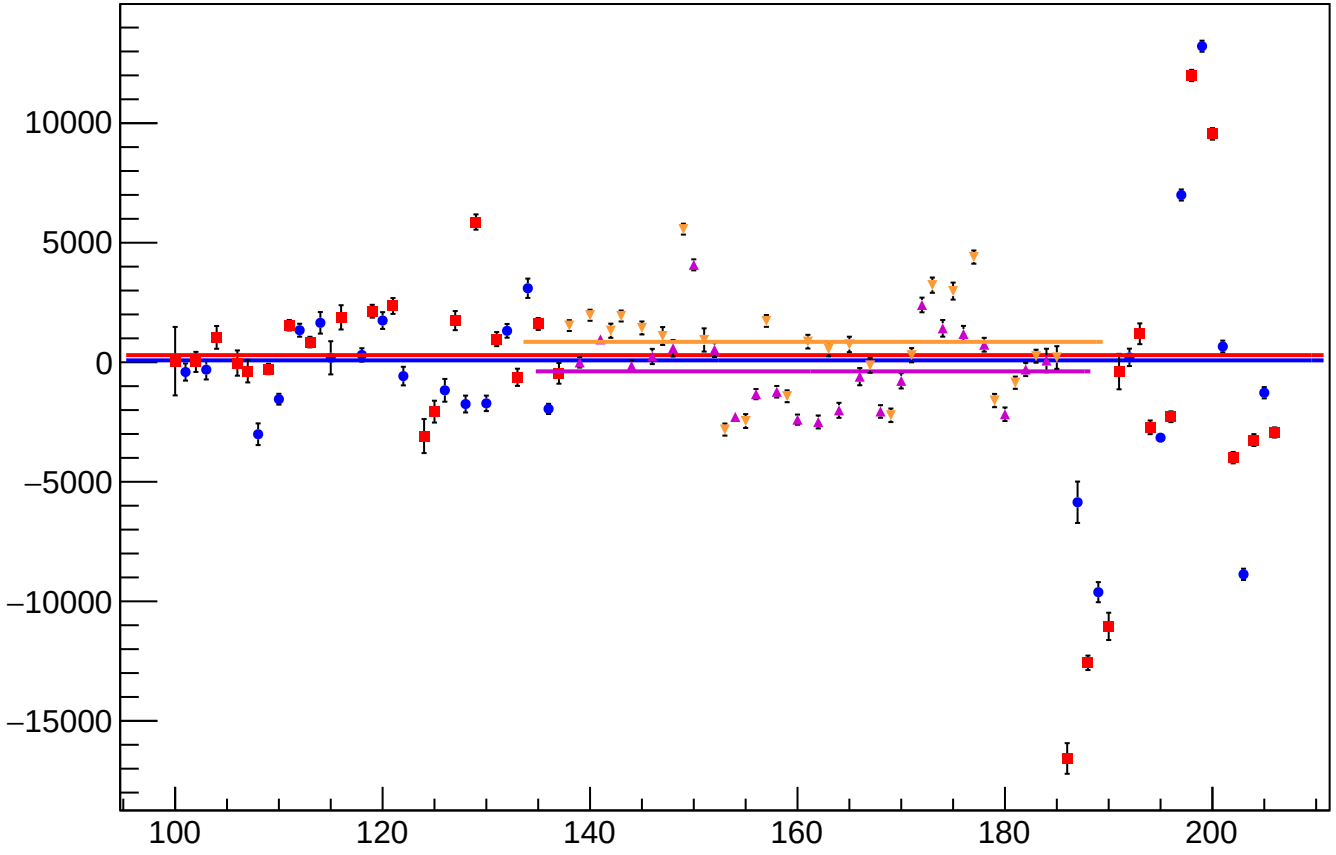
Left In: 146.793+/-0.025 χ^2/NDF:1694524.1/22

+ sign 137.848+/-0.018 χ^2/NDF: 3601947.3/49

All: 138.331+/-0.012 χ^2/NDF: 7806447.8/103

- sign 138.807+/-0.017 χ^2/NDF: 4202993.0/53

asym_bpm0l01WS_mean vs Slug



Right In: 79.343+/-60.308 χ^2/NDF: 6798.5/24

Left Out: 853.916+/-56.237 χ^2/NDF:1443.8/24

Right Out: 297.650+/-56.088 χ^2/NDF: 8397.9/30

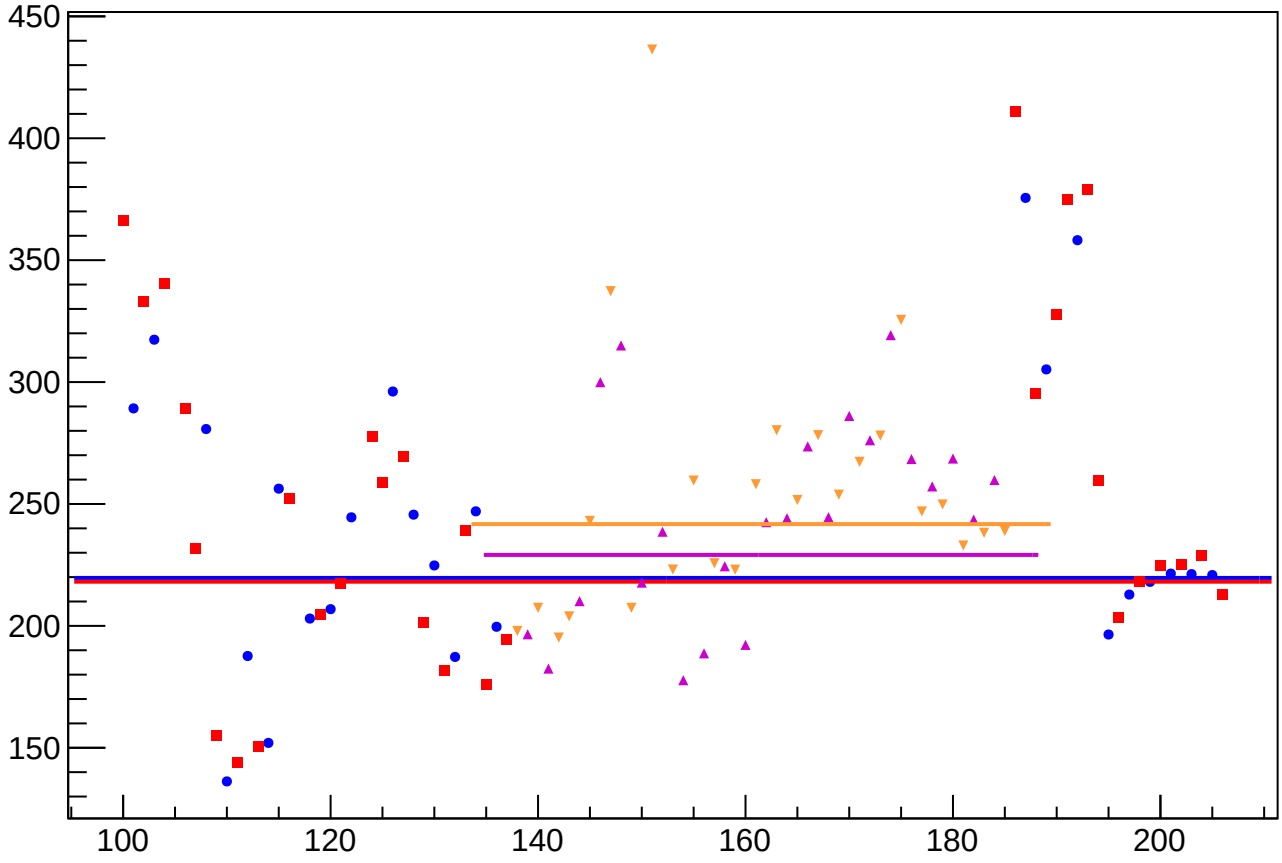
Left In: -380.865+/-55.135 χ^2/NDF:982.4/22

+ sign 493.655+/-41.129 χ^2/NDF: 8330.6/49

All: 210.949+/-28.421 χ^2/NDF: 17875.8/103

- sign -47.419+/-39.319 χ^2/NDF: 9454.7/53

asym_bpm0l01WS_rms vs Slug



Right In: 219.667+/-0.043 χ^2/NDF: 1171405.8/24

Left Out: 241.746+/-0.040 χ^2/NDF:986390.8/24

Right Out: 218.128+/-0.040 χ^2/NDF: 1910079.4/30

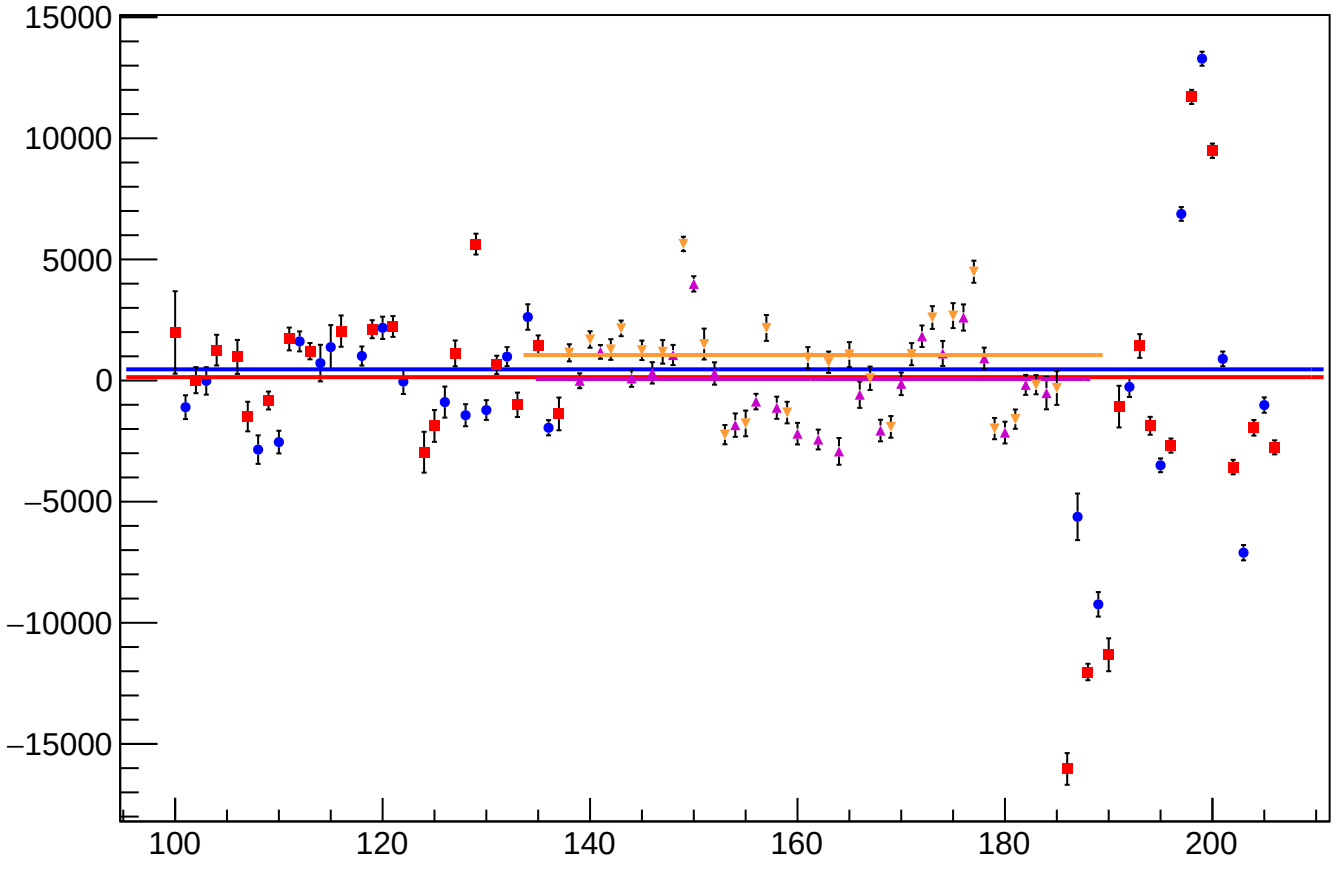
Left In: 229.103+/-0.039 χ^2/NDF:1068960.6/22

+ sign 231.477+/-0.029 χ^2/NDF: 2301184.8/49

All: 227.419+/-0.020 χ^2/NDF: 5356435.4/103

- sign 223.710+/-0.028 χ^2/NDF: 3017985.5/53

asym_bpm0l02WS_mean vs Slug



Right In: 462.842+/-81.686 χ^2/NDF: 3879.8/24

Left Out: 1053.354+/-85.895 χ^2/NDF:614.6/24

Right Out: 140.408+/-76.310 χ^2/NDF: 5478.2/30

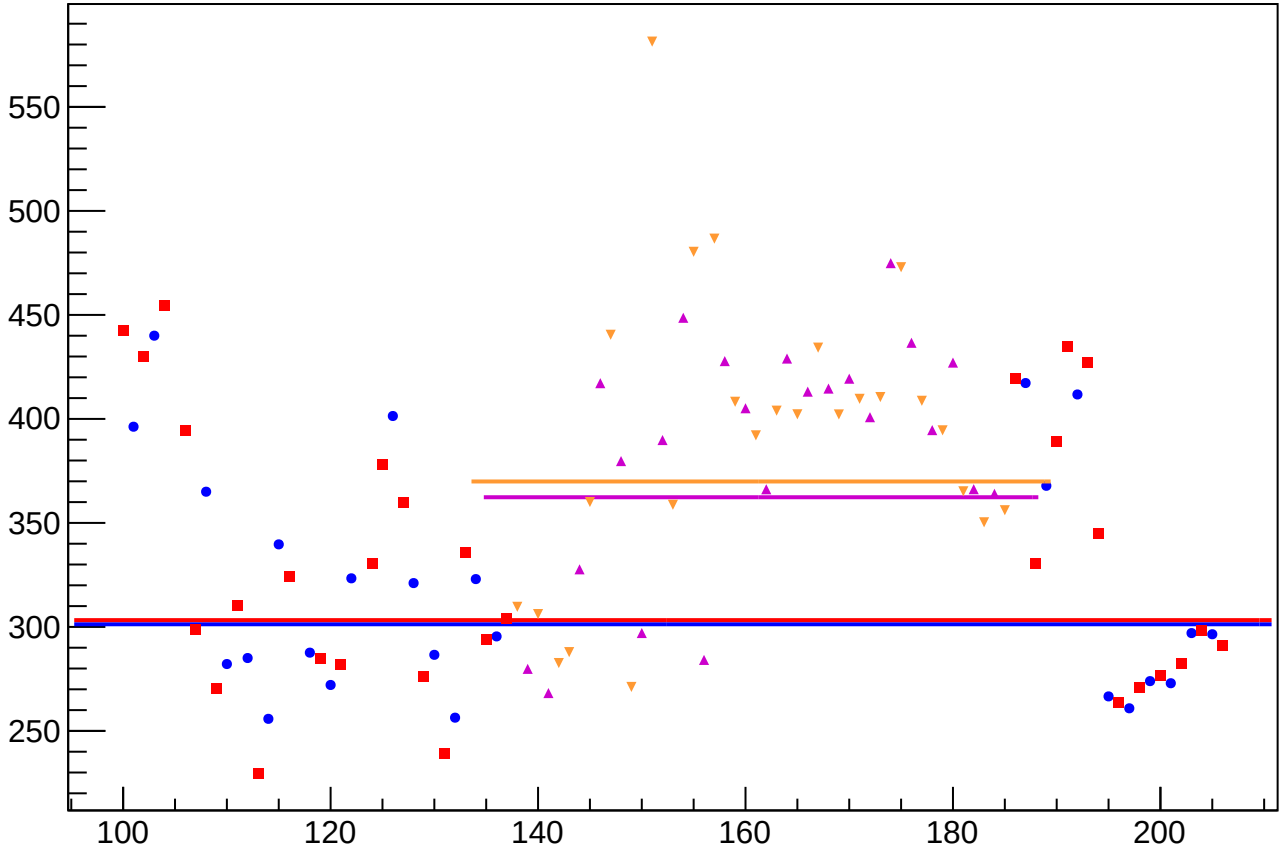
Left In: 64.646+/-86.660 χ^2/NDF:394.4/22

\+ sign 743.273+/-59.193 χ^2/NDF: 4519.2/49

All: 414.804+/-41.159 χ^2/NDF: 10452.0/103

\- sign 107.319+/-57.271 χ^2/NDF: 5873.1/53

asym_bpm0l02WS_rms vs Slug



Right In: 301.273+/-0.058 χ^2/NDF: 643390.7/24

Left Out: 369.923+/-0.061 χ^2/NDF:1230300.9/24

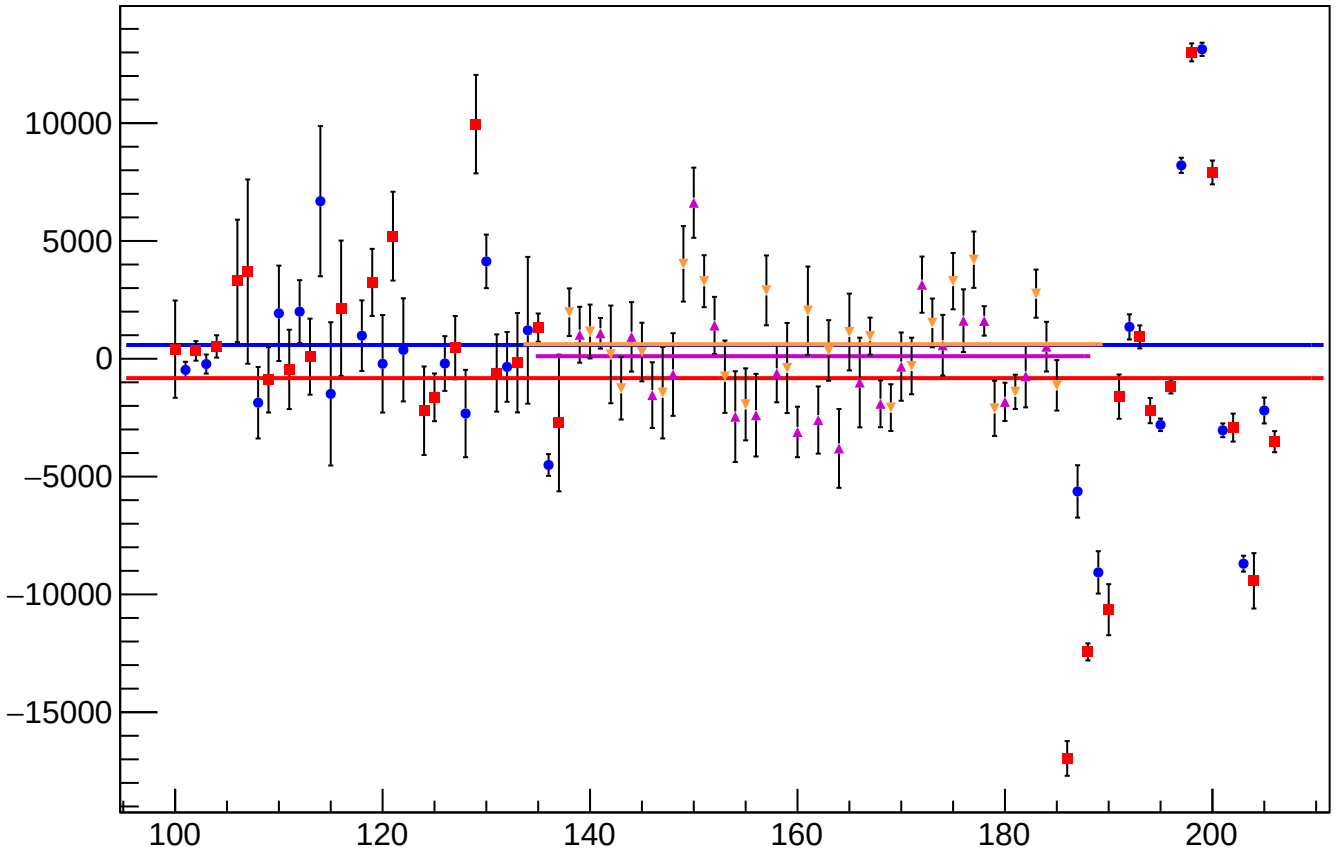
Right Out: 303.261+/-0.054 χ^2/NDF: 920406.1/30

Left In: 362.341+/-0.061 χ^2/NDF:1053395.6/22

+ sign 333.875+/-0.042 χ^2/NDF: 2544534.3/49

All: 331.390+/-0.029 χ^2/NDF: 5048742.6/103

- sign 329.064+/-0.040 χ^2/NDF: 2497384.3/53



Right In: 584.722+/-105.619 χ^2/NDF: 3955.1/24

Left Out: 618.538+/-238.150 χ^2/NDF:65.7/24

Right Out: -821.557+/-120.827 χ^2/NDF: 3408.4/30

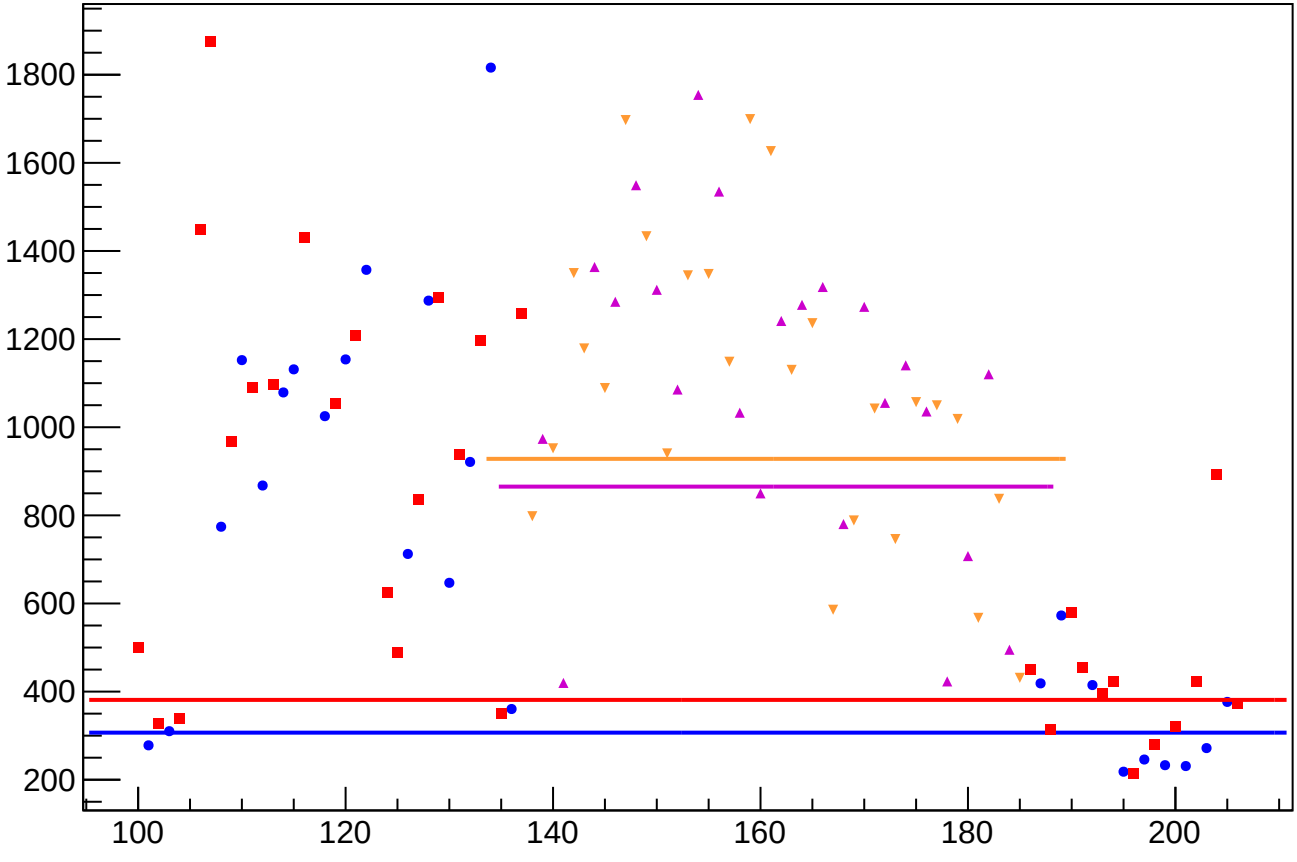
Left In: 109.519+/-237.827 χ^2/NDF:71.7/22

+ sign 590.280+/-96.550 χ^2/NDF: 4020.8/49

All: 46.441+/-71.898 χ^2/NDF: 7584.3/103

- sign -630.540+/-107.722 χ^2/NDF: 3492.3/53

asym_bpm0l03WS_rms vs Slug



Right In: 306.859+/-0.075 χ^2/NDF: 5144496.2/24

Left Out: 928.240+/-0.168 χ^2/NDF:3294716.2/24

Right Out: 381.179+/-0.085 χ^2/NDF: 5666005.6/30

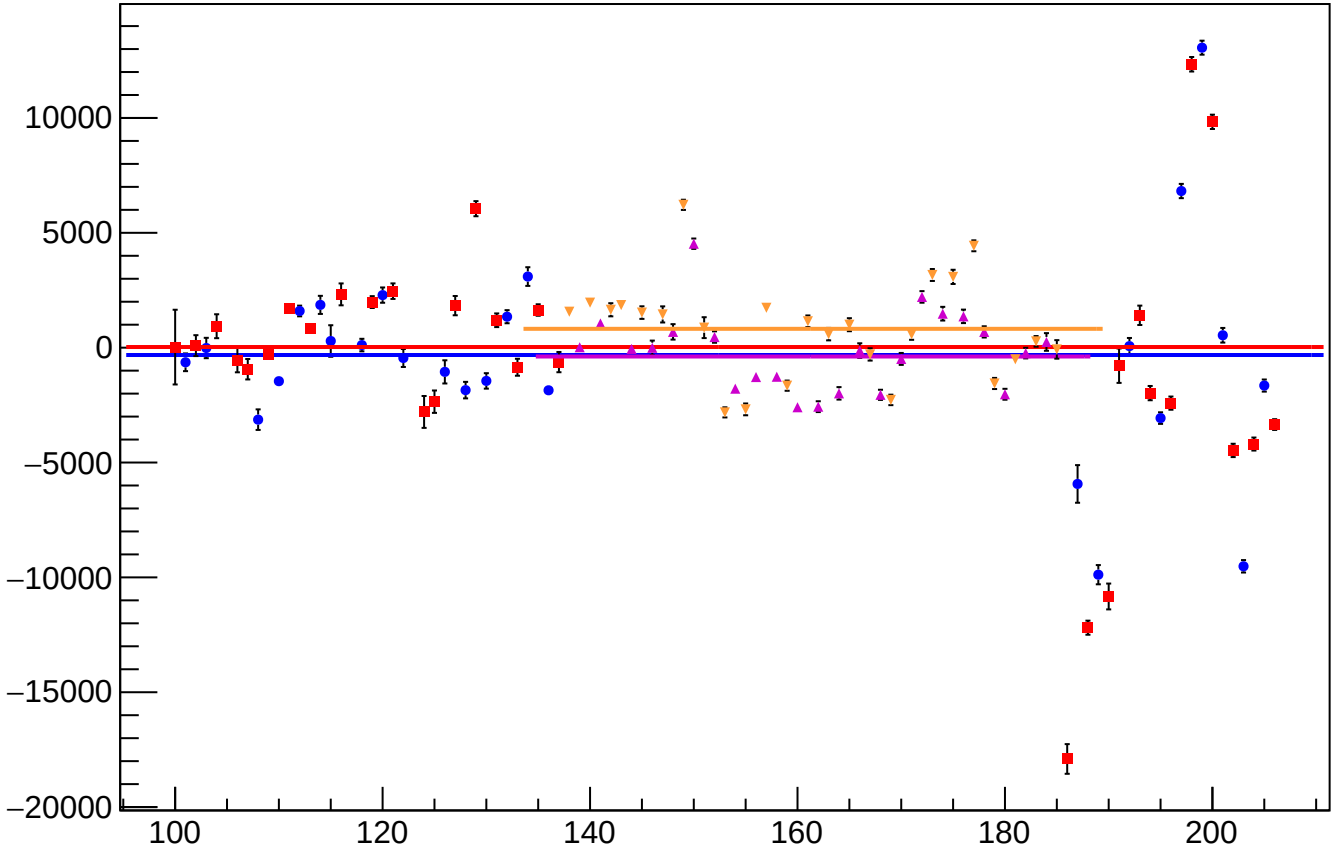
Left In: 865.223+/-0.168 χ^2/NDF:4792678.4/22

+ sign 408.991+/-0.068 χ^2/NDF: 19817103.2/49

All: 440.839+/-0.051 χ^2/NDF: 37349321.9/10

- sign 480.484+/-0.076 χ^2/NDF: 17043709.7/53

asym_bpm0l04WS_mean vs Slug



Right In: -319.324+/-63.664 χ^2/NDF: 4753.7/24

Left Out: 820.821+/-49.996 χ^2/NDF:1990.8/24

Right Out: 28.454+/-58.087 χ^2/NDF: 6734.8/30

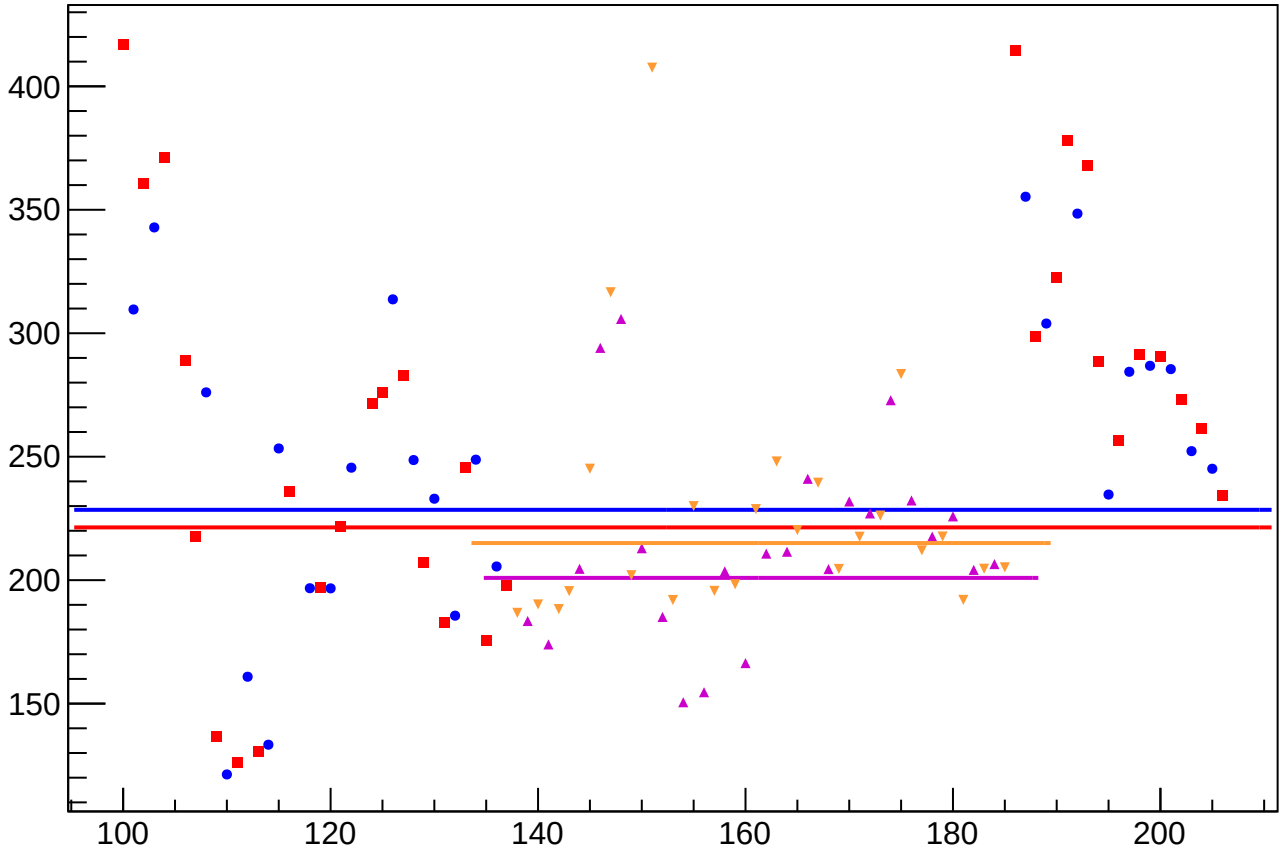
Left In: -385.002+/-48.455 χ^2/NDF:1253.3/22

+ sign 385.896+/-39.320 χ^2/NDF: 6942.9/49

All: 68.693+/-27.026 χ^2/NDF: 15084.2/103

- sign -215.352+/-37.209 χ^2/NDF: 8018.0/53

asym_bpm0l04WS_rms vs Slug



Right In: 228.484+/-0.045 χ^2/NDF: 1845157.7/24

Left Out: 215.027+/-0.035 χ^2/NDF:897791.6/24

Right Out: 221.364+/-0.041 χ^2/NDF: 3077790.0/30

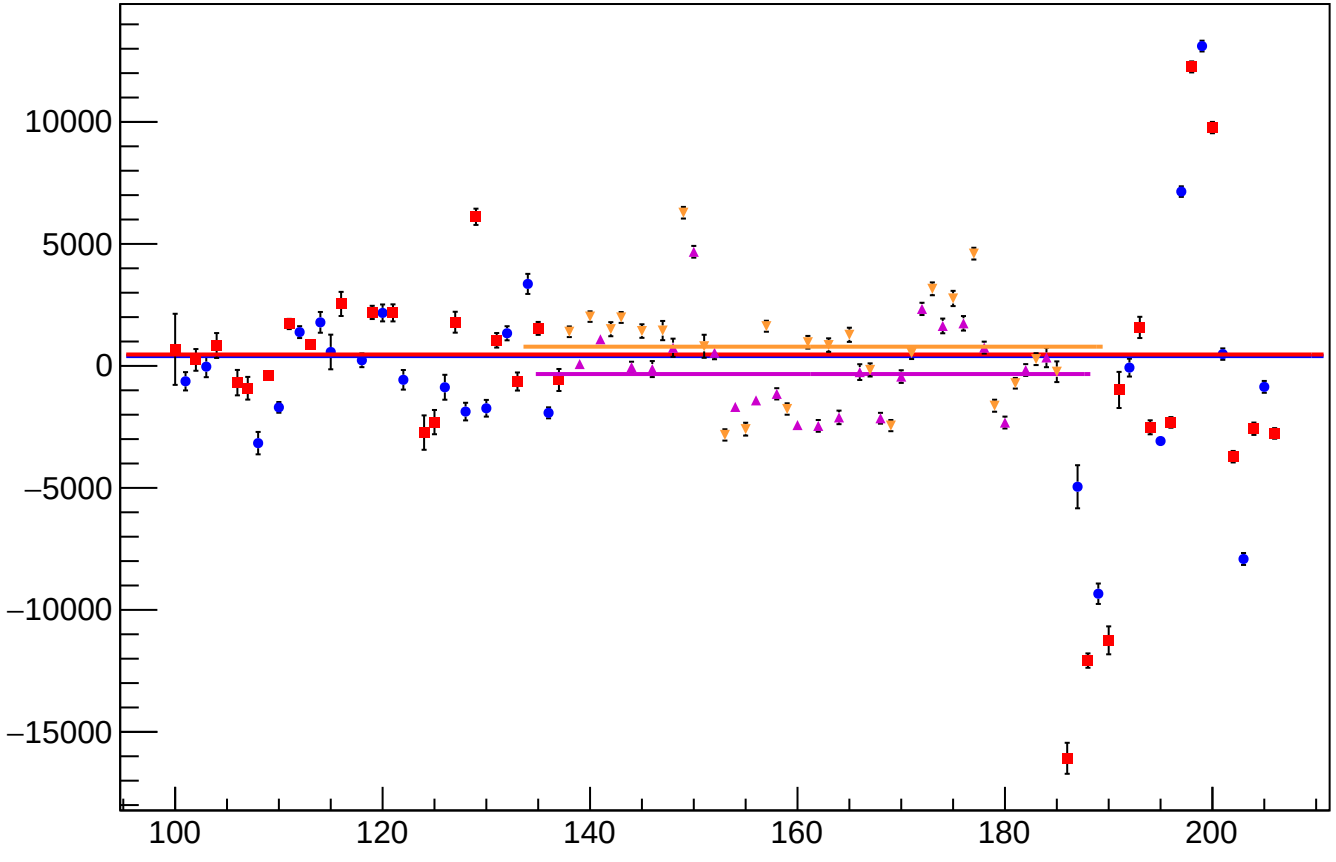
Left In: 200.917+/-0.034 χ^2/NDF:1105842.5/22

+ sign 220.160+/-0.028 χ^2/NDF: 2798226.1/49

All: 214.434+/-0.019 χ^2/NDF: 7208381.5/103

- sign 209.307+/-0.026 χ^2/NDF: 4329759.9/53

asym_bpm0l05WS_mean vs Slug



Right In: 401.647+/-59.935 χ^2/NDF: 6778.1/24

Left Out: 788.110+/-51.424 χ^2/NDF:1890.2/24

Right Out: 468.136+/-55.587 χ^2/NDF: 8734.4/30

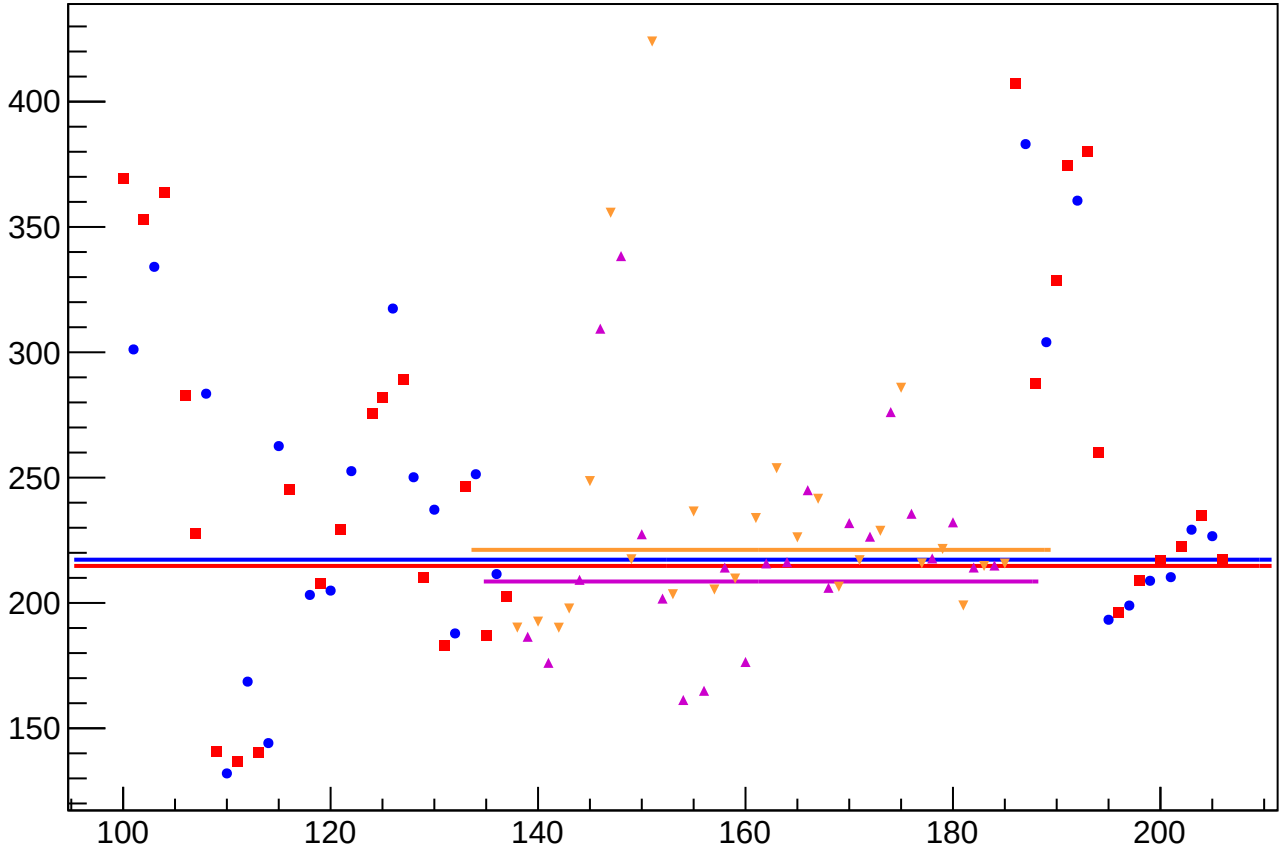
Left In: -333.303+/-50.194 χ^2/NDF:1215.2/22

+ sign 624.241+/-39.028 χ^2/NDF: 8692.2/49

All: 311.566+/-26.948 χ^2/NDF: 18879.0/103

- sign 26.669+/-37.254 χ^2/NDF: 10064.1/53

asym_bpm0l05WS_rms vs Slug



Right In: 217.260+/-0.042 χ^2/NDF: 1410514.9/24

Left Out: 221.185+/-0.036 χ^2/NDF:939520.0/24

Right Out: 214.767+/-0.039 χ^2/NDF: 2265258.0/30

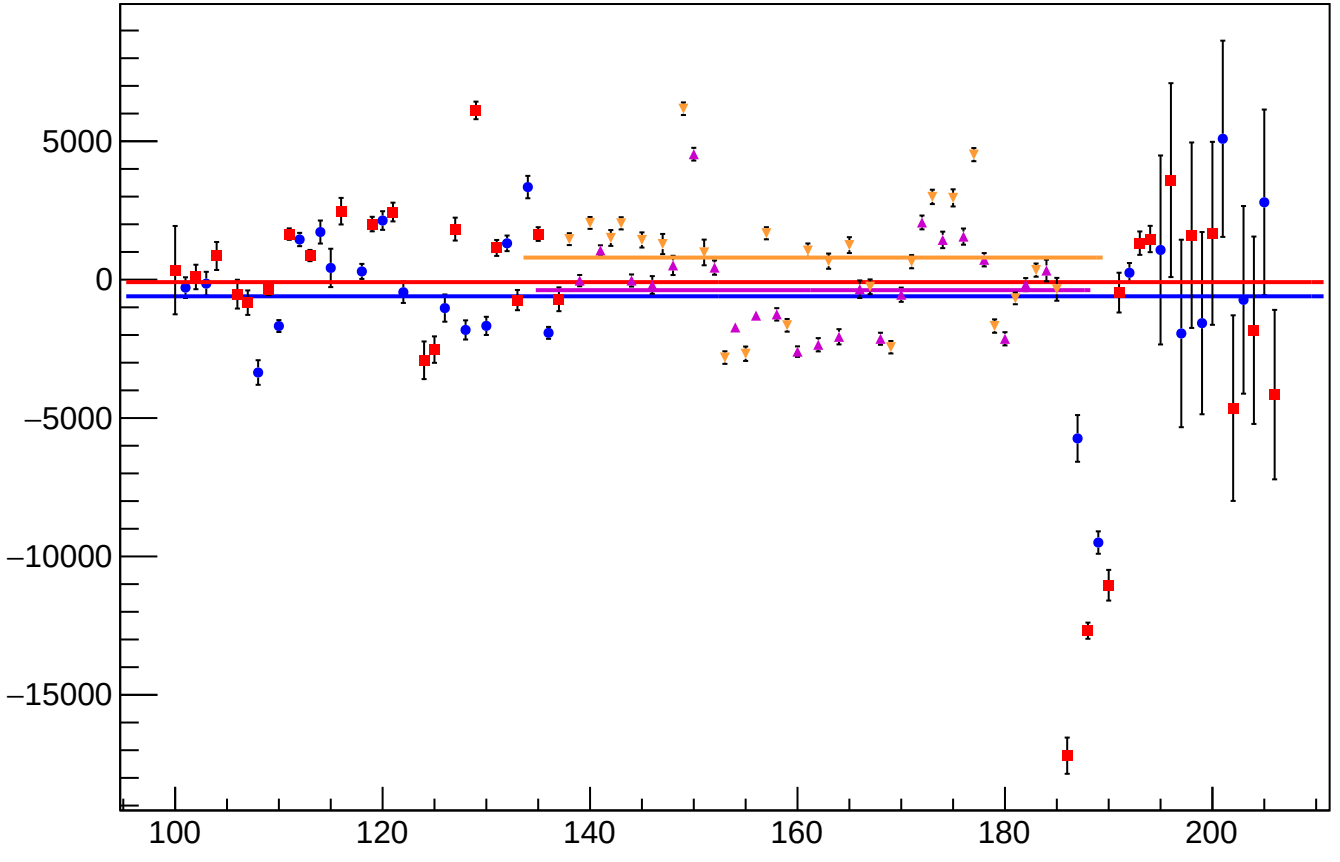
Left In: 208.556+/-0.035 χ^2/NDF:1035638.0/22

+ sign 219.521+/-0.028 χ^2/NDF: 2354976.6/49

All: 215.243+/-0.019 χ^2/NDF: 5715542.2/103

- sign 211.346+/-0.026 χ^2/NDF: 3314649.0/53

asym_bpm0l06WS_mean vs Slug



Right In: -601.619+/-76.378 χ^2/NDF: 980.6/24

Left Out: 797.475+/-50.495 χ^2/NDF:1960.8/24

Right Out: -89.547+/-68.098 χ^2/NDF: 3735.6/30

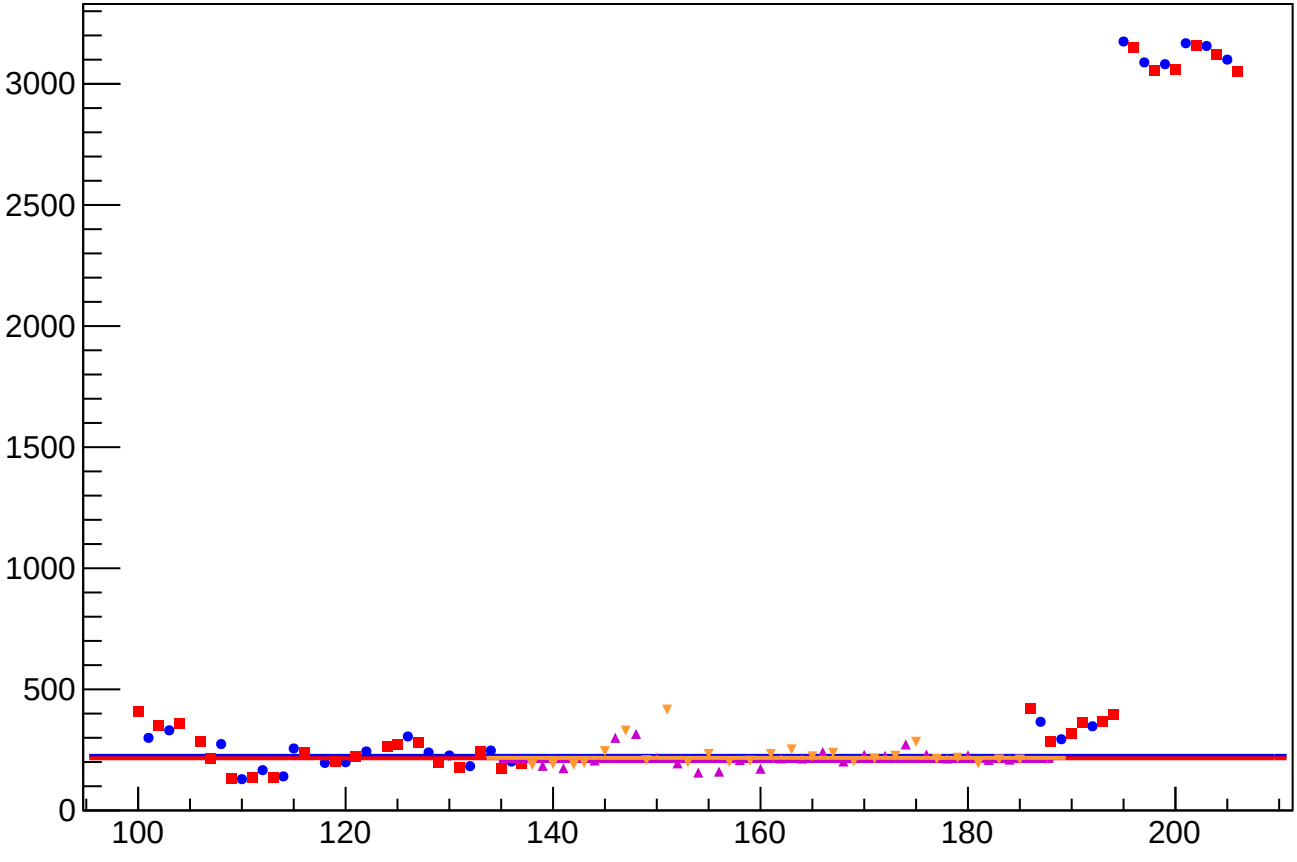
Left In: -379.578+/-49.183 χ^2/NDF:1201.2/22

+ sign 371.946+/-42.122 χ^2/NDF: 3174.9/49

All: 28.014+/-28.956 χ^2/NDF: 8250.1/103

- sign -280.152+/-39.872 χ^2/NDF: 4948.8/53

asym_bpm0l06WS_rms vs Slug



Right In: 225.339+/-0.054 χ^2/NDF: 10129148.4/24

Left Out: 217.224+/-0.036 χ^2/NDF:910445.0/24

Right Out: 215.507+/-0.048 χ^2/NDF: 11687841.6/30

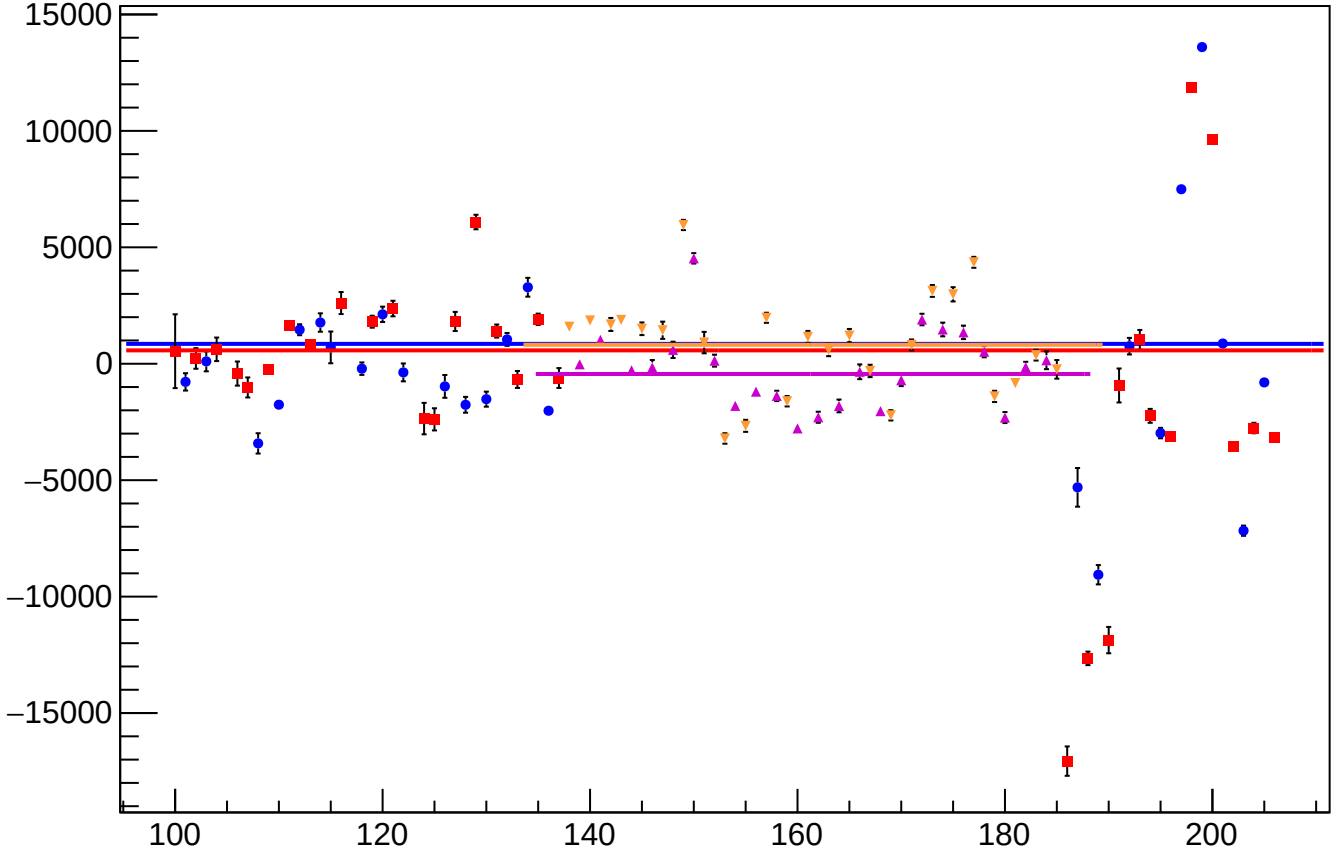
Left In: 204.308+/-0.035 χ^2/NDF:1015049.0/22

+ sign 219.692+/-0.030 χ^2/NDF: 11055302.1/49

All: 213.603+/-0.020 χ^2/NDF: 23872987.2/10

- sign 208.147+/-0.028 χ^2/NDF: 12738440.1/53

asym_bpm0l07WS_mean vs Slug



Right In: 853.104+/-56.064 χ^2/NDF: 8741.8/24

Left Out: 814.275+/-49.760 χ^2/NDF:2000.4/24

Right Out: 573.929+/-51.678 χ^2/NDF: 10636.8/30

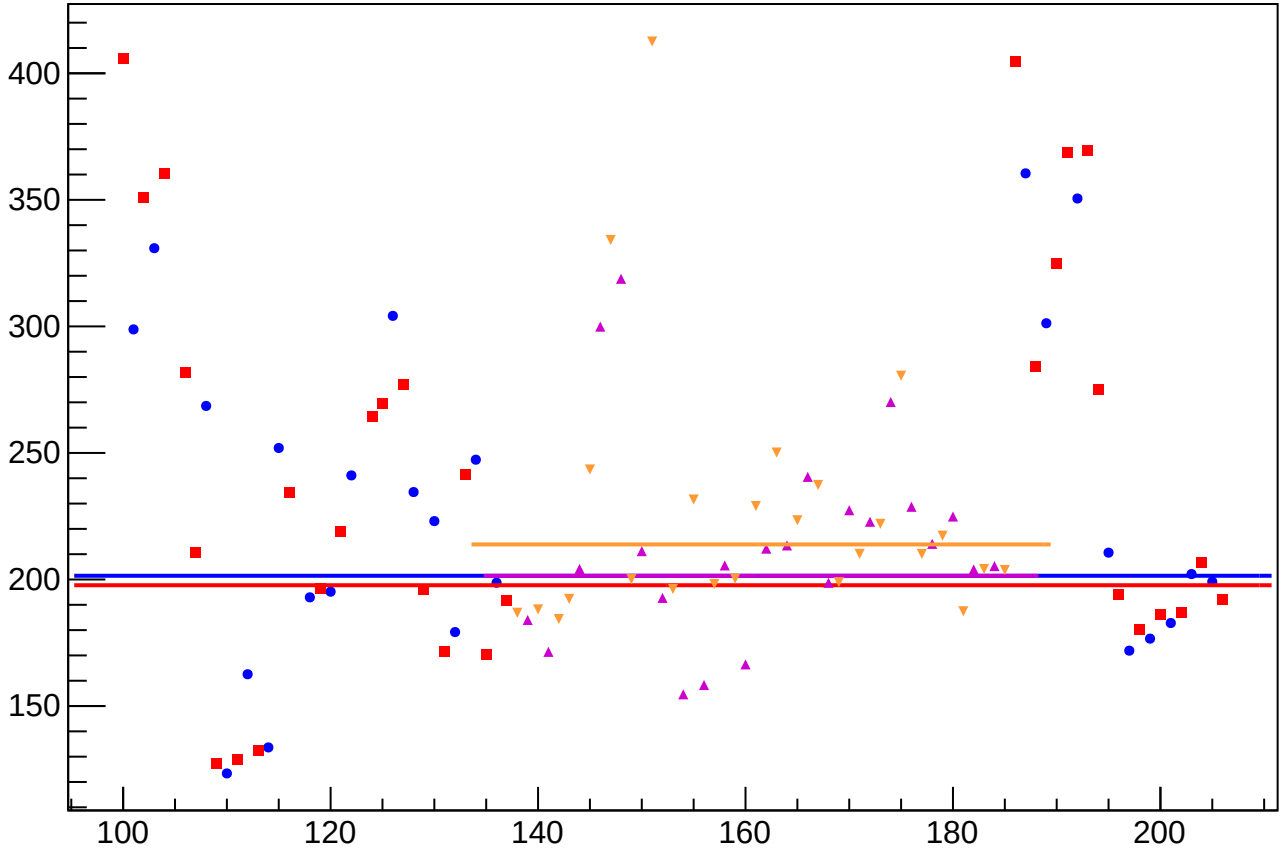
Left In: -439.674+/-48.535 χ^2/NDF:1235.0/22

+ sign 831.385+/-37.216 χ^2/NDF: 10742.5/49

All: 413.248+/-25.641 χ^2/NDF: 23059.0/103

- sign 35.373+/-35.379 χ^2/NDF: 12076.2/53

asym_bpm0l07WS_rms vs Slug



Right In: 201.477+/-0.040 χ^2/NDF: 1600947.9/24

Left Out: 213.848+/-0.035 χ^2/NDF:963582.3/24

Right Out: 197.734+/-0.037 χ^2/NDF: 2638881.6/30

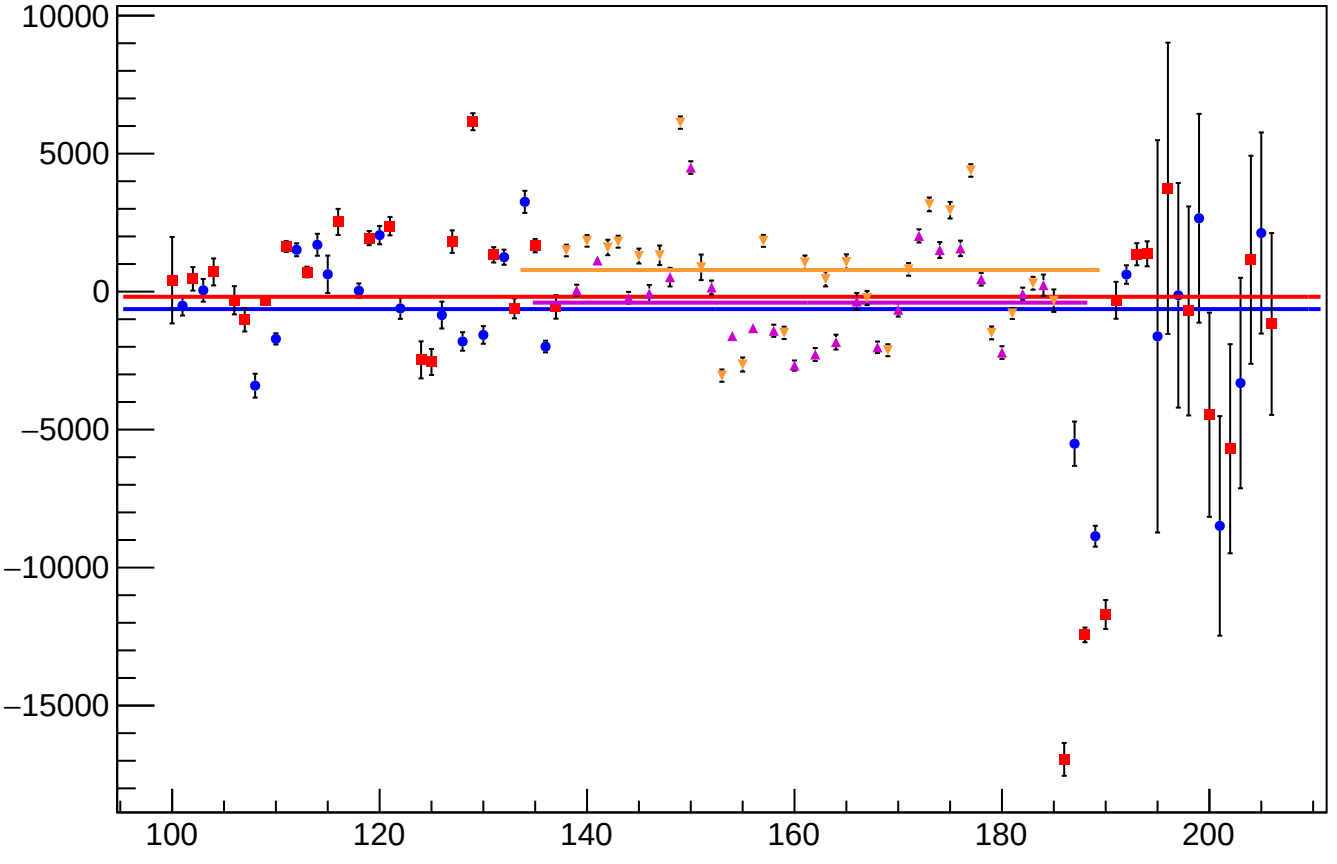
Left In: 201.446+/-0.034 χ^2/NDF:1061972.3/22

+ sign 208.397+/-0.026 χ^2/NDF: 2619004.7/49

All: 203.832+/-0.018 χ^2/NDF: 6382631.2/103

- sign 199.706+/-0.025 χ^2/NDF: 3706335.0/53

asym_bpm0l08WS_mean vs Slug



Right In: -633.475+/-73.993 χ^2/NDF: 998.2/24

Left Out: 782.388+/-49.199 χ^2/NDF:2001.3/24

Right Out: -186.620+/-65.423 χ^2/NDF: 4276.2/30

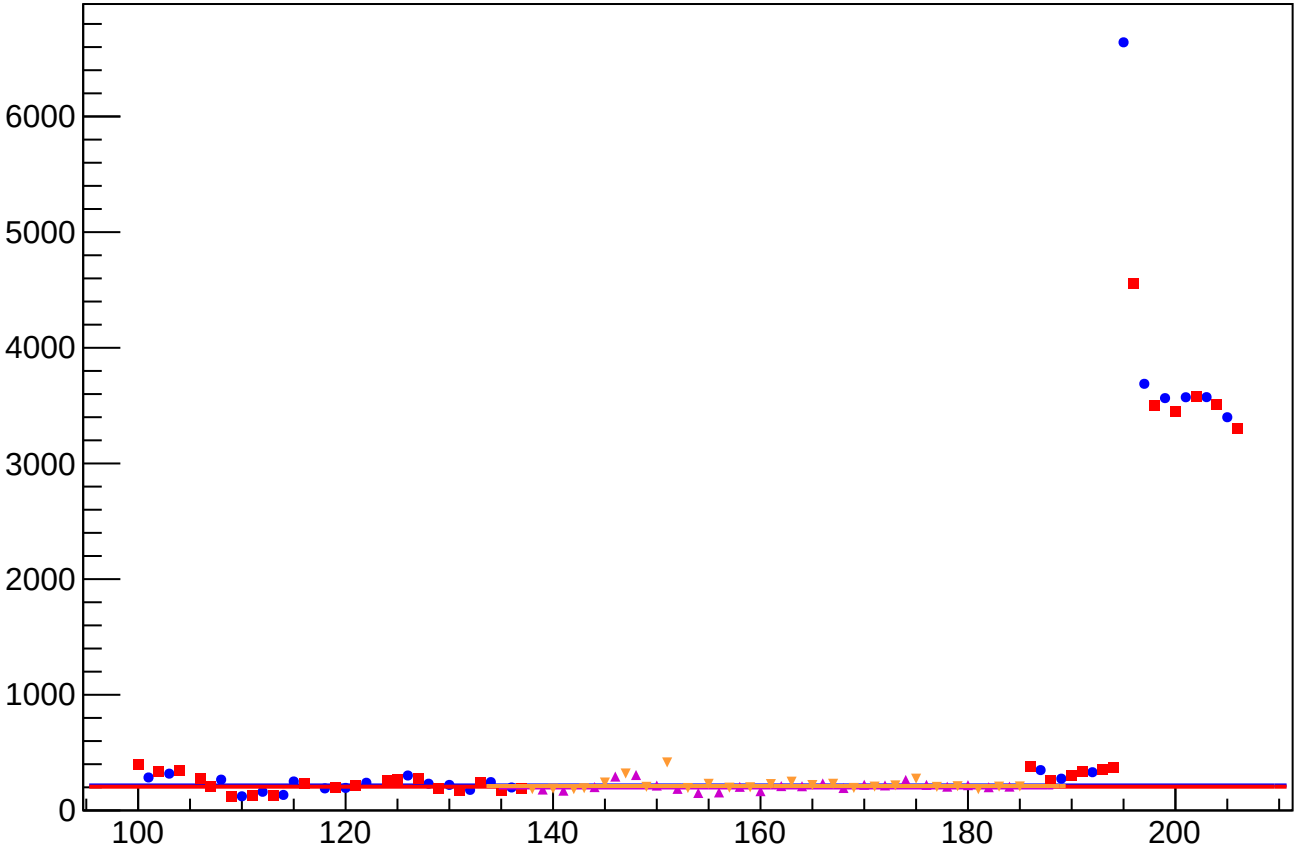
Left In: -399.798+/-47.819 χ^2/NDF:1232.0/22

+ sign 348.325+/-40.969 χ^2/NDF: 3253.3/49

All: -8.619+/-28.097 χ^2/NDF: 8911.8/103

- sign -325.567+/-38.606 χ^2/NDF: 5515.1/53

asym_bpm0l08WS_rms vs Slug



Right In: 216.353+/-0.052 χ^2/NDF: 10502924.1/24

Left Out: 211.496+/-0.035 χ^2/NDF:934978.4/24

Right Out: 205.424+/-0.046 χ^2/NDF: 11908066.2/30

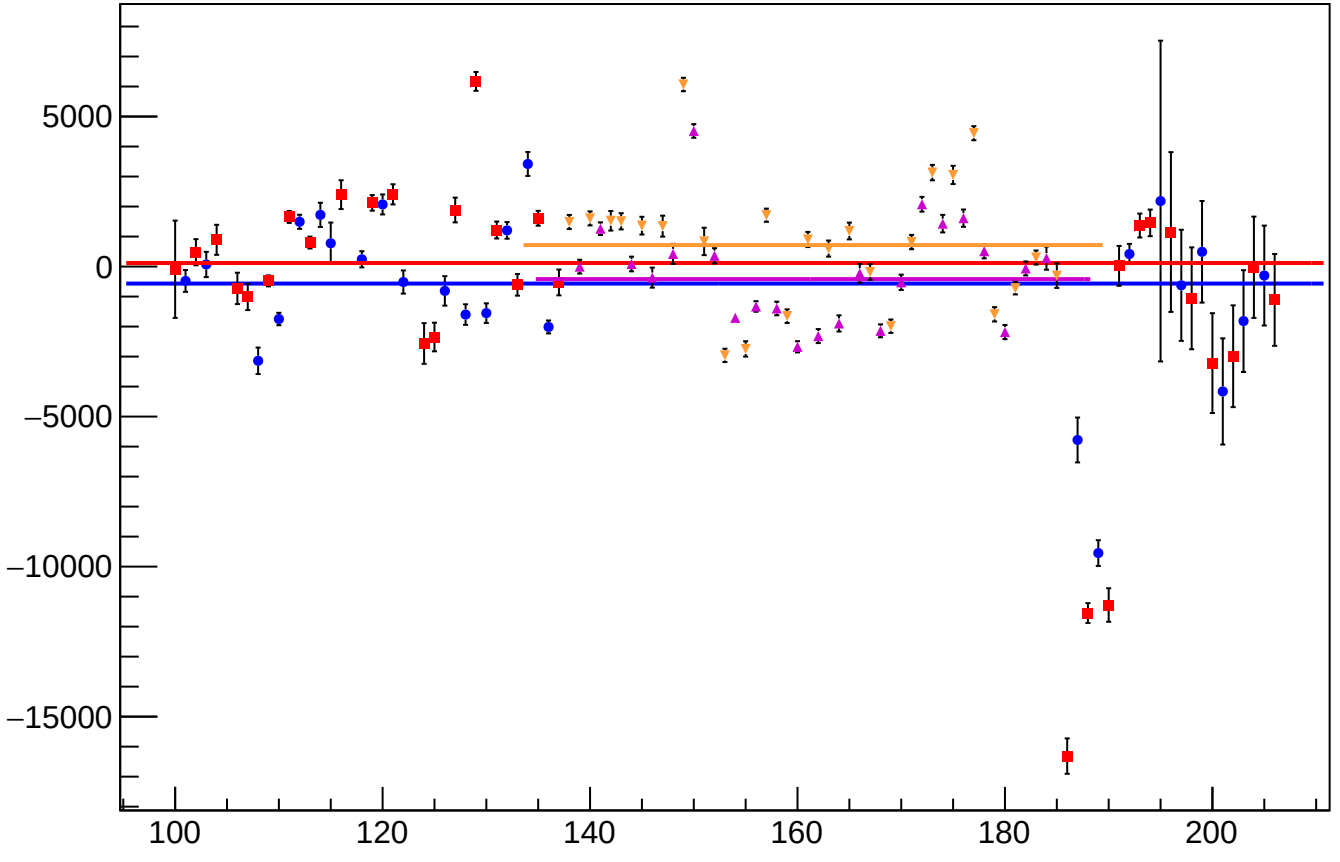
Left In: 198.524+/-0.034 χ^2/NDF:1006458.6/22

+ sign 212.985+/-0.029 χ^2/NDF: 11443878.8/49

All: 206.598+/-0.020 χ^2/NDF: 24464663.6/10

- sign 200.927+/-0.027 χ^2/NDF: 12929023.0/53

asym_bpm0l09WS_mean vs Slug



Right In: -566.774+/-74.933 χ^2/NDF: 958.4/24

Left Out: 715.643+/-51.110 χ^2/NDF:1918.0/24

Right Out: 118.114+/-67.016 χ^2/NDF: 3167.2/30

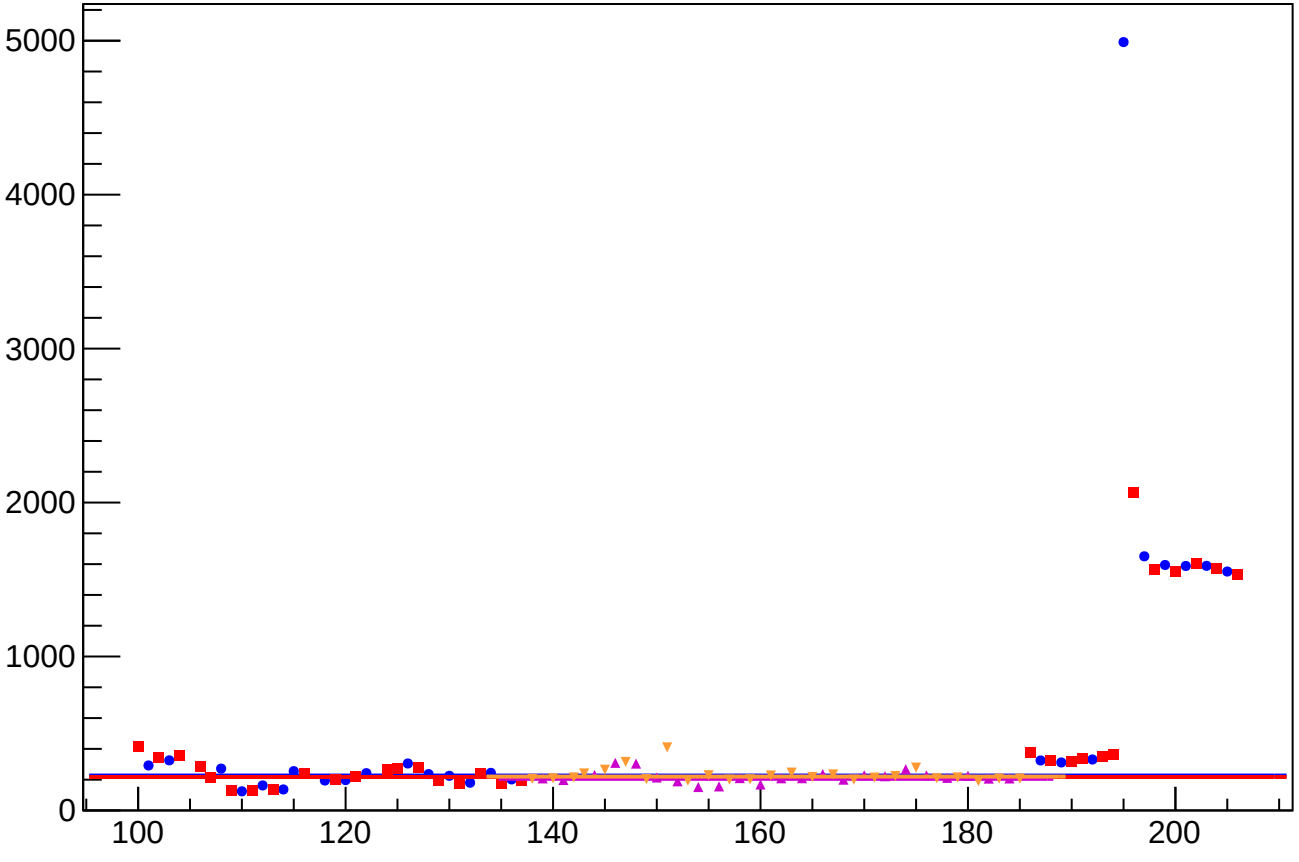
Left In: -418.574+/-49.523 χ^2/NDF:1241.0/22

+ sign 308.463+/-42.223 χ^2/NDF: 3076.3/49

All: 24.051+/-28.973 χ^2/NDF: 7611.6/103

- sign -229.011+/-39.828 χ^2/NDF: 4449.6/53

asym_bpm0l09WS_rms vs Slug



Right In: 226.694+/-0.053 χ^2/NDF: 9249153.0/24

Left Out: 220.145+/-0.036 χ^2/NDF:799699.4/24

Right Out: 217.238+/-0.047 χ^2/NDF: 10362795.0/30

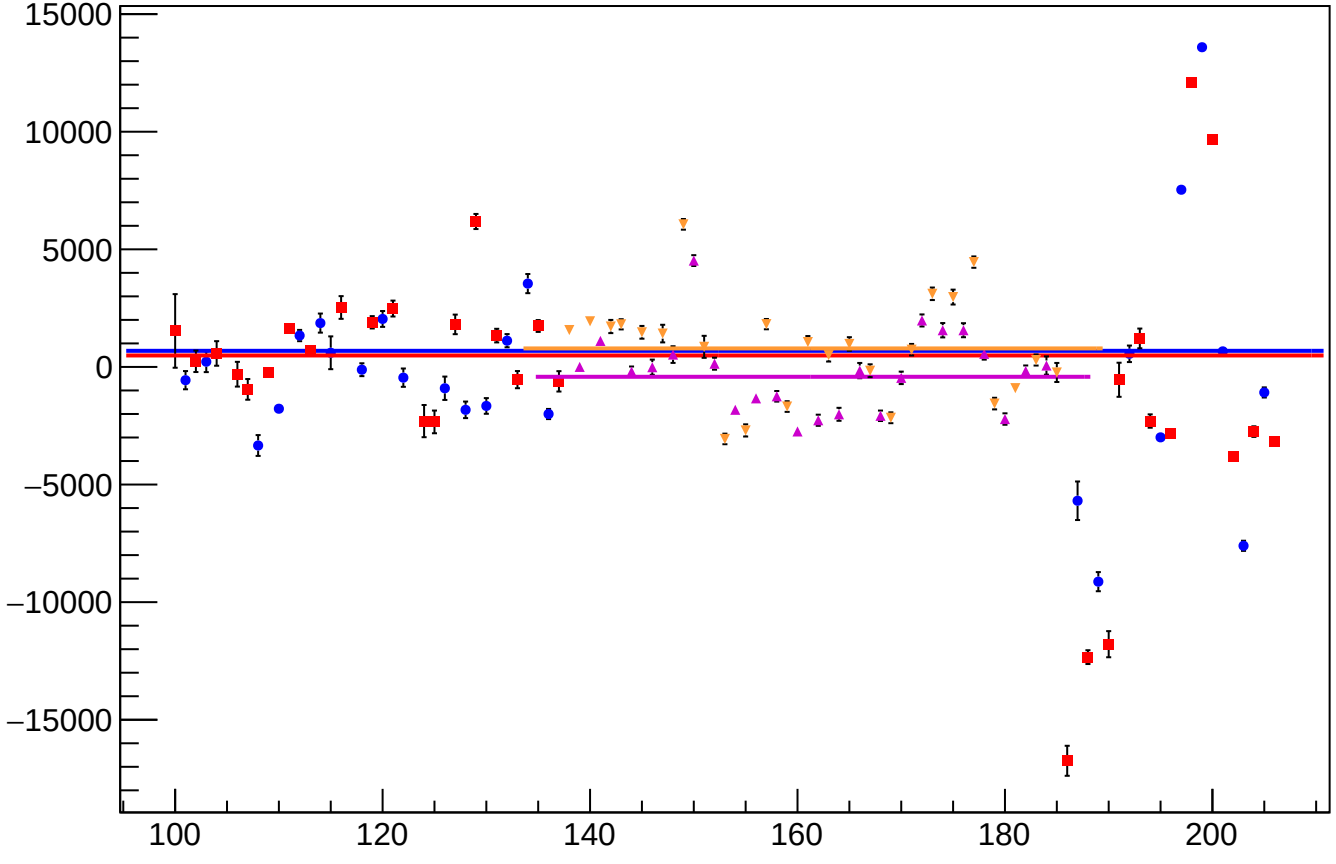
Left In: 205.481+/-0.035 χ^2/NDF:1013965.4/22

+ sign 222.224+/-0.030 χ^2/NDF: 10059280.2/49

All: 215.562+/-0.020 χ^2/NDF: 21569954.1/10

- sign 209.634+/-0.028 χ^2/NDF: 11416573.8/53

asym_bpm0l10WS_mean vs Slug



Right In: 685.087+/-56.686 χ^2/NDF: 8755.9/24

Left Out: 786.922+/-50.524 χ^2/NDF:1937.6/24

Right Out: 487.823+/-52.480 χ^2/NDF: 10280.8/30

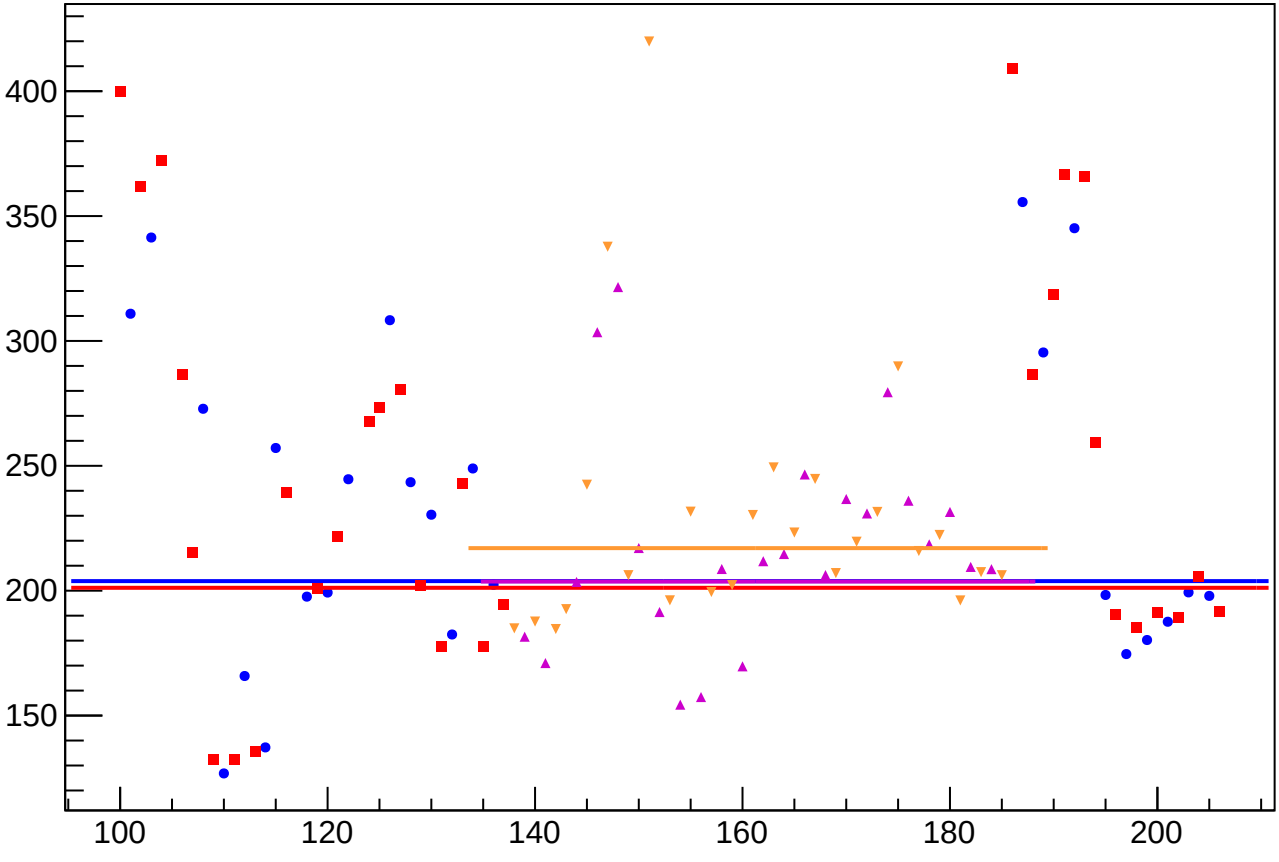
Left In: -418.824+/-49.152 χ^2/NDF:1211.0/22

+ sign 741.838+/-37.717 χ^2/NDF: 10695.2/49

All: 354.899+/-25.994 χ^2/NDF: 22546.5/103

- sign 4.836+/-35.875 χ^2/NDF: 11650.8/53

asym_bpm0l10WS_rms vs Slug



Right In: 203.835+/-0.040 χ^2/NDF: 1548109.9/24

Left Out: 217.040+/-0.036 χ^2/NDF:983170.6/24

Right Out: 201.158+/-0.037 χ^2/NDF: 2481802.9/30

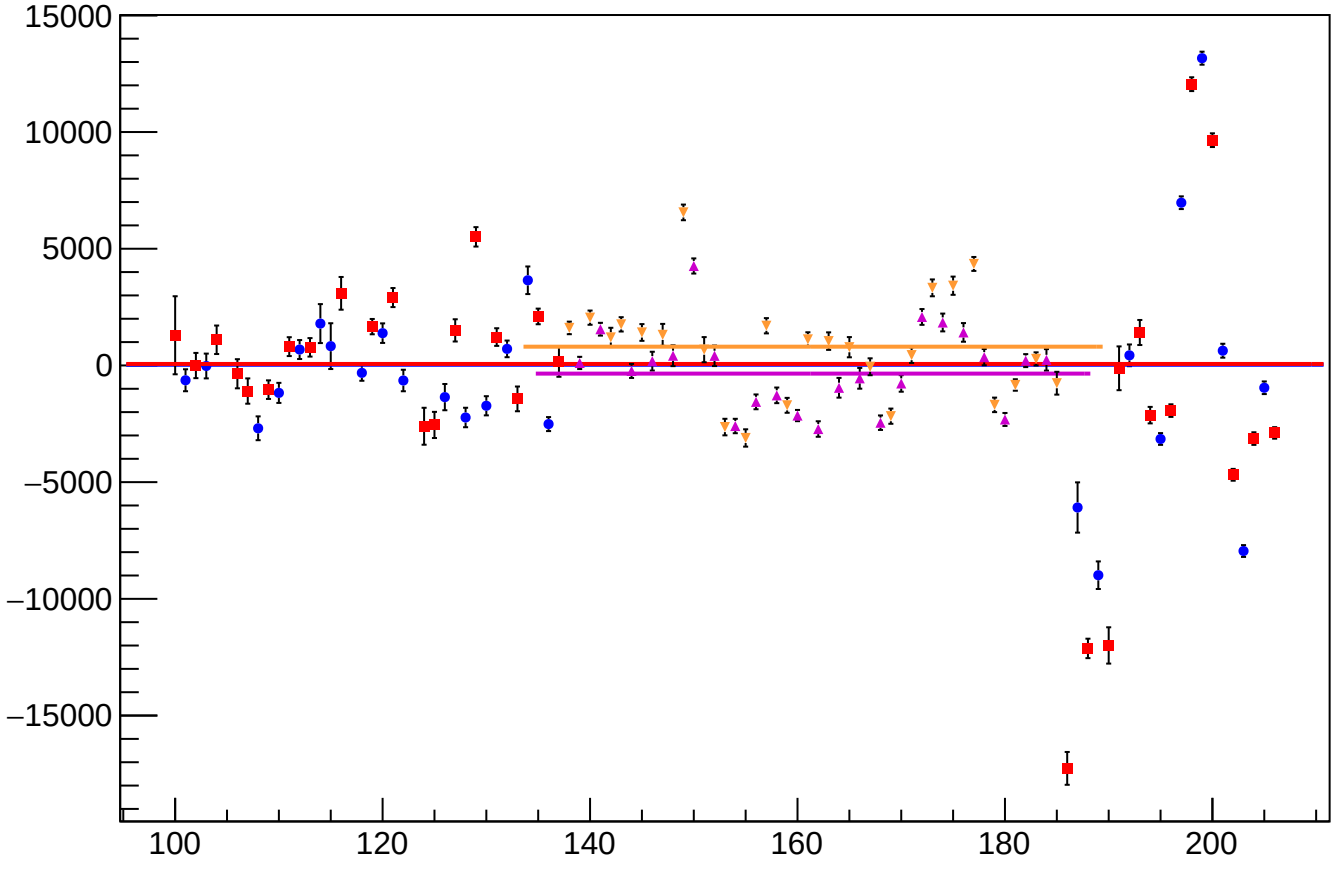
Left In: 203.660+/-0.035 χ^2/NDF:1165334.8/22

+ sign 211.194+/-0.027 χ^2/NDF: 2591761.3/49

All: 206.625+/-0.018 χ^2/NDF: 6297229.4/103

- sign 202.491+/-0.025 χ^2/NDF: 3649559.2/53

asym_bpm0r03WS_mean vs Slug



Right In: 29.506+/-76.131 χ^2/NDF: 4529.0/24

Left Out: 803.752+/-67.693 χ^2/NDF:1057.7/24

Right Out: 63.352+/-72.566 χ^2/NDF: 5525.1/30

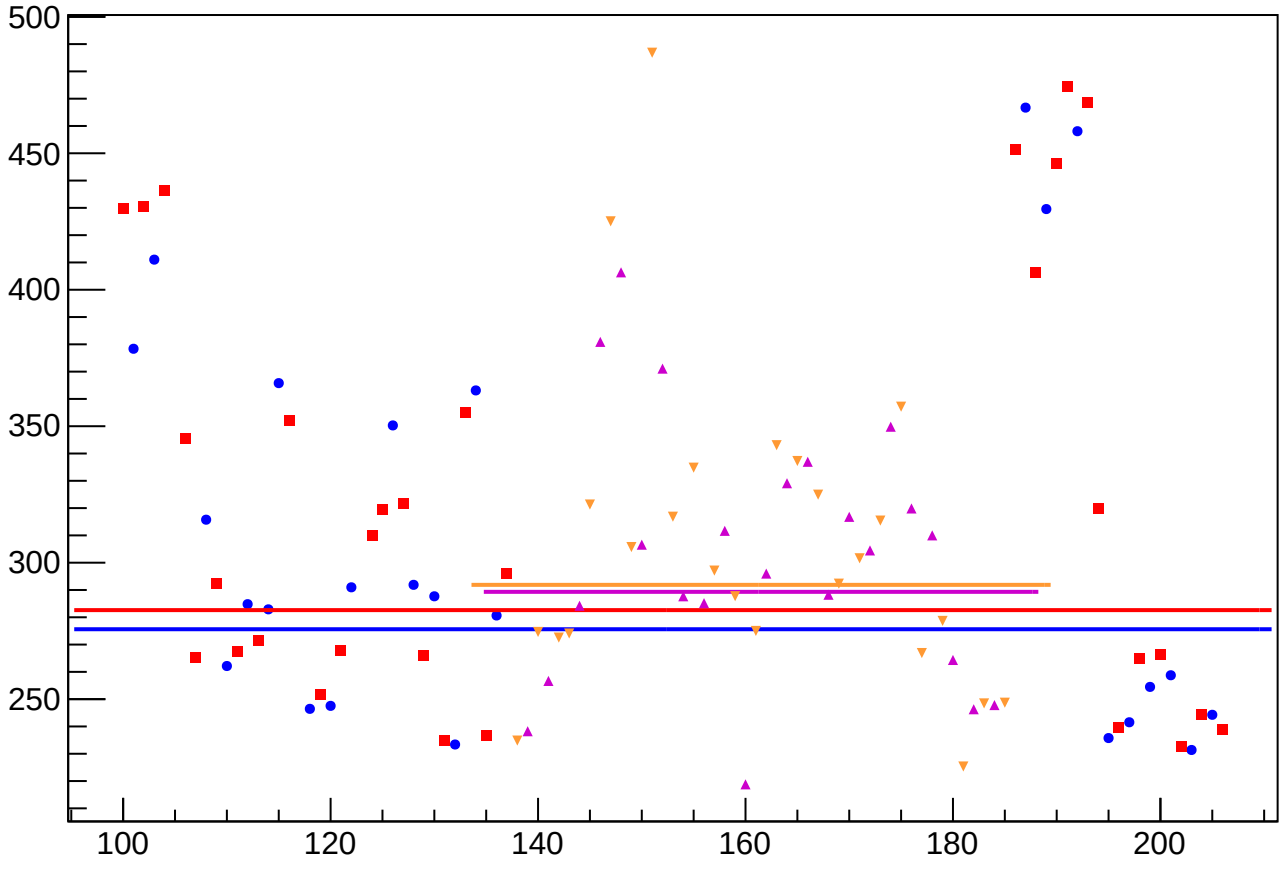
Left In: -350.095+/-68.985 χ^2/NDF:656.1/22

+ sign 461.896+/-50.587 χ^2/NDF: 5644.5/49

All: 150.426+/-35.560 χ^2/NDF: 11917.7/103

- sign -153.824+/-49.998 χ^2/NDF: 6198.2/53

asym_bpm0r03WS_rms vs Slug



Right In: 275.620+/-0.054 χ^2/NDF: 1089088.1/24

Left Out: 291.882+/-0.048 χ^2/NDF:959919.3/24

Right Out: 282.624+/-0.051 χ^2/NDF: 1466547.3/30

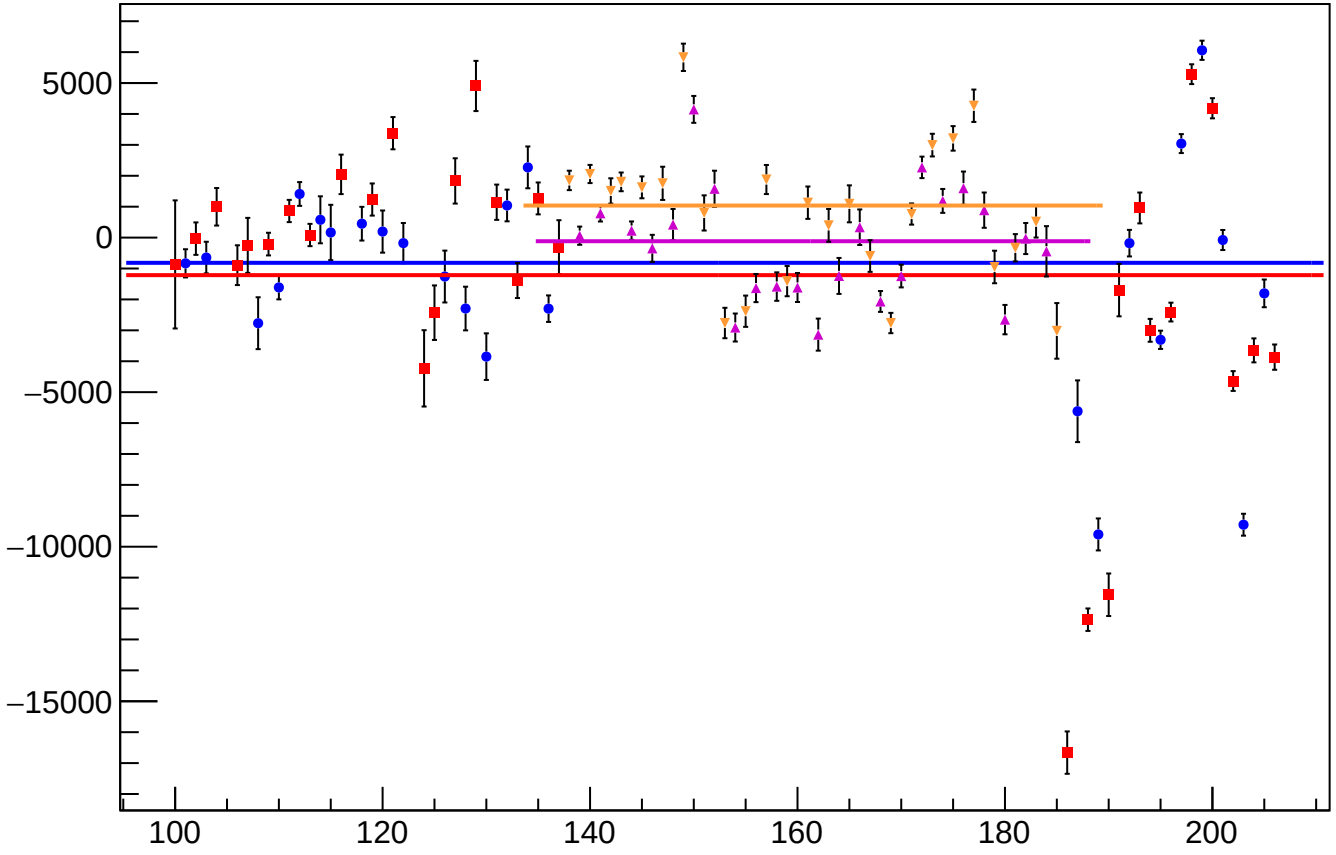
Left In: 289.321+/-0.049 χ^2/NDF:808605.3/22

+ sign 284.702+/-0.036 χ^2/NDF: 2099971.3/49

All: 285.430+/-0.025 χ^2/NDF: 4384891.1/103

- sign 286.142+/-0.035 χ^2/NDF: 2284100.4/53

asym_bpm0r05WS_mean vs Slug



Right In: -815.748+/-92.813 χ^2/NDF: 1738.6/24

Left Out: 1037.330+/-85.200 χ^2/NDF:570.2/24

Right Out: -1214.609+/-85.623 χ^2/NDF: 2936.6/30

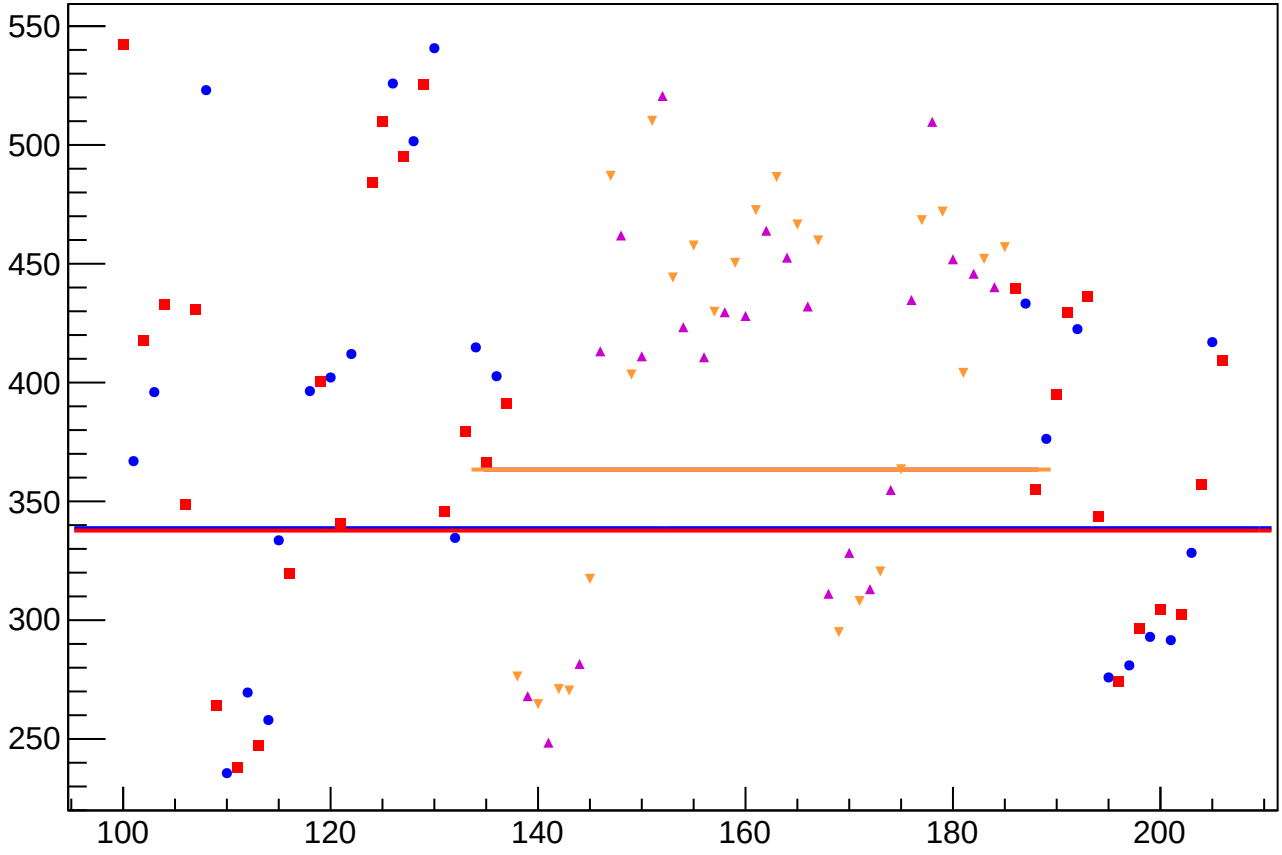
Left In: -117.211+/-87.461 χ^2/NDF:370.4/22

+ sign 189.892+/-62.765 χ^2/NDF: 2525.1/49

All: -254.895+/-43.812 χ^2/NDF: 6010.4/103

- sign -677.563+/-61.184 χ^2/NDF: 3387.3/53

asym_bpm0r05WS_rms vs Slug



Right In: 338.715+/-0.066 χ^2/NDF: 1258034.6/24

Left Out: 363.387+/-0.060 χ^2/NDF:1940497.4/24

Right Out: 337.714+/-0.061 χ^2/NDF: 1253042.7/30

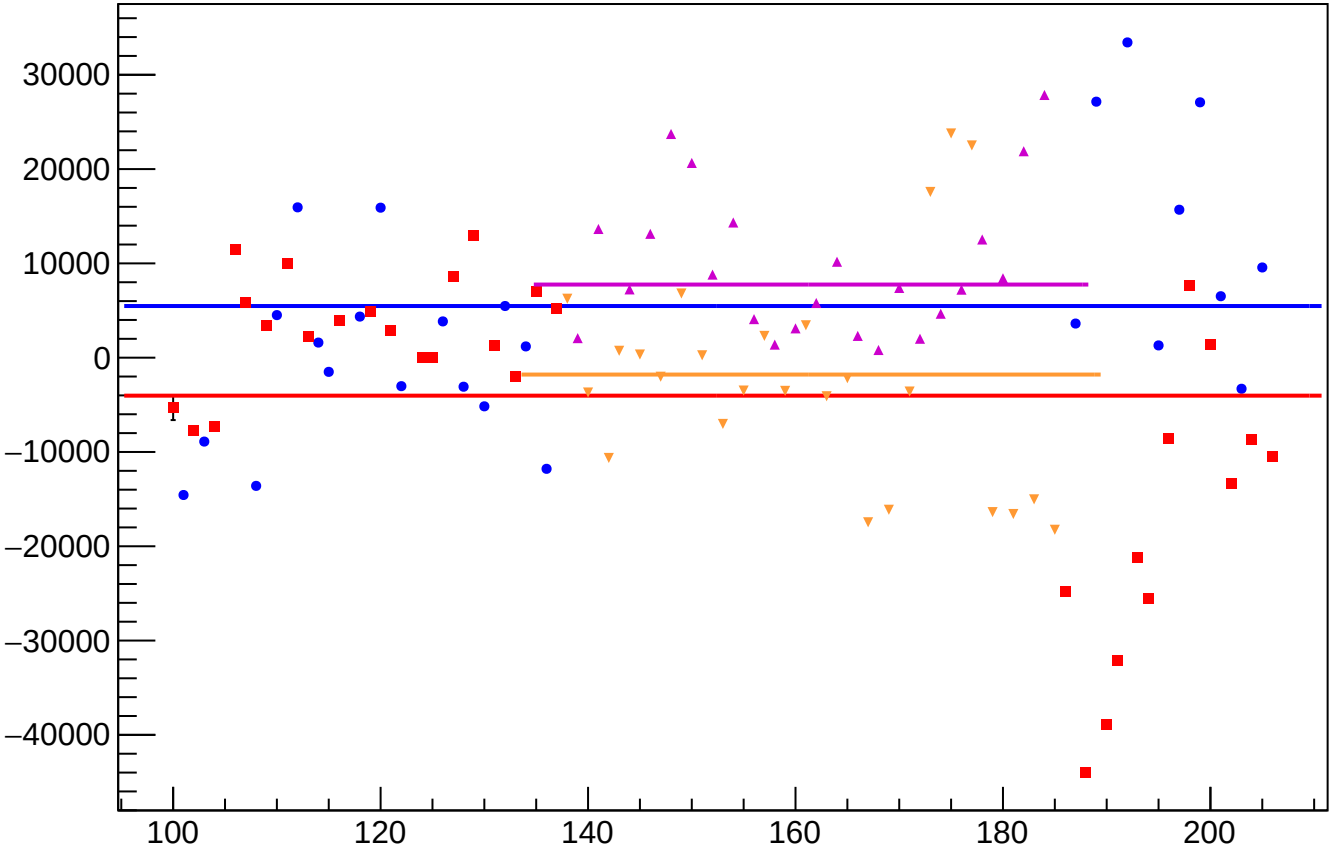
Left In: 363.386+/-0.062 χ^2/NDF:1711599.2/22

+ sign 352.104+/-0.044 χ^2/NDF: 3275229.6/49

All: 351.167+/-0.031 χ^2/NDF: 6328731.3/103

- sign 350.277+/-0.043 χ^2/NDF: 3052633.1/53

asym_bpm0i02WS_mean vs Slug



Right In: 5478.014+/-42.588 χ^2/NDF: 90417.3/24

Left Out: -1790.289+/-40.910 χ^2/NDF:65745.9/24

Right Out: -4027.617+/-39.615 χ^2/NDF: 137269.9/30

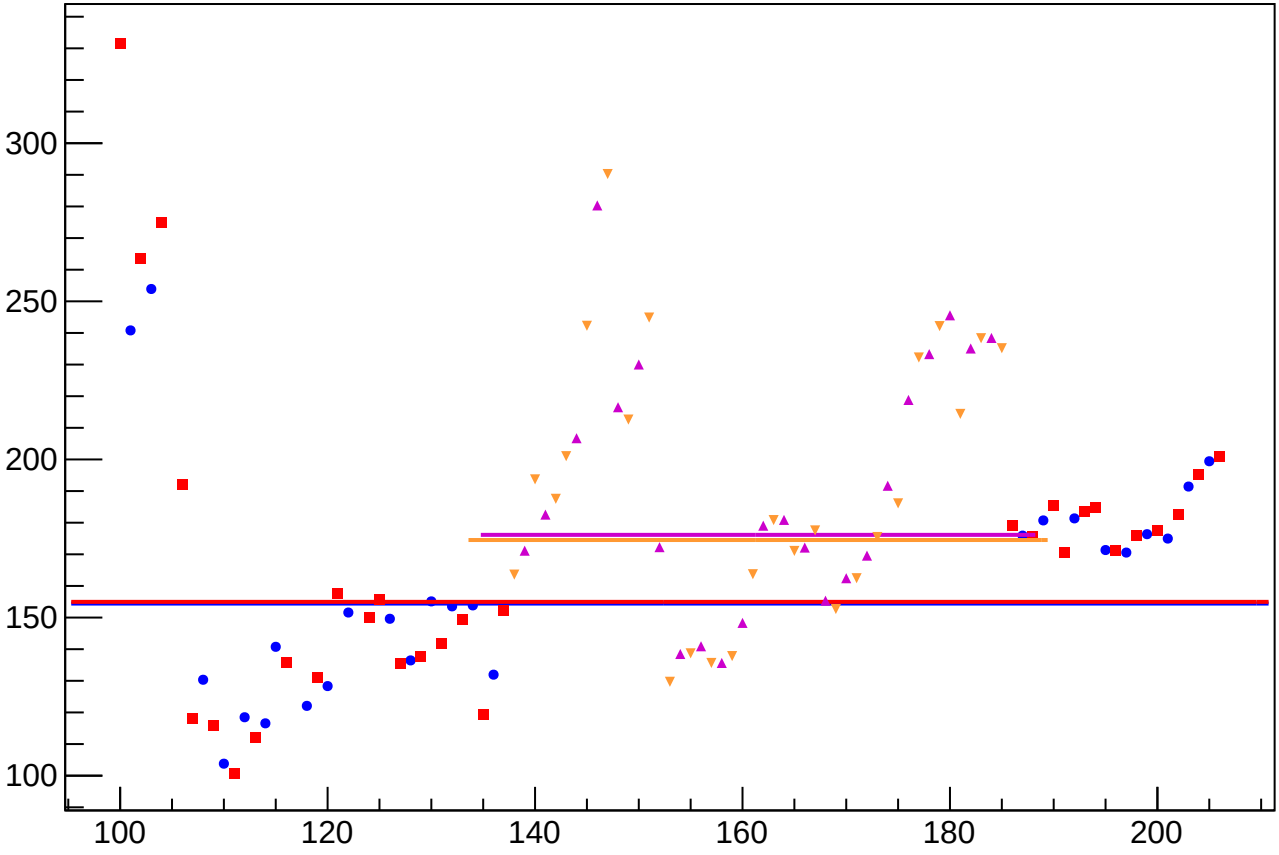
Left In: 7754.468+/-42.571 χ^2/NDF:23278.0/22

+ sign 1697.841+/-29.503 χ^2/NDF: 171311.6/49

All: 1566.821+/-20.682 χ^2/NDF: 372948.3/10

- sign 1440.224+/-29.001 χ^2/NDF: 201597.9/53

asym_bpm0i02WS_rms vs Slug



Right In: 154.430+/-0.030 χ^2/NDF: 1132259.5/24

Left Out: 174.520+/-0.029 χ^2/NDF:1659469.6/24

Right Out: 154.968+/-0.028 χ^2/NDF: 1611051.6/30

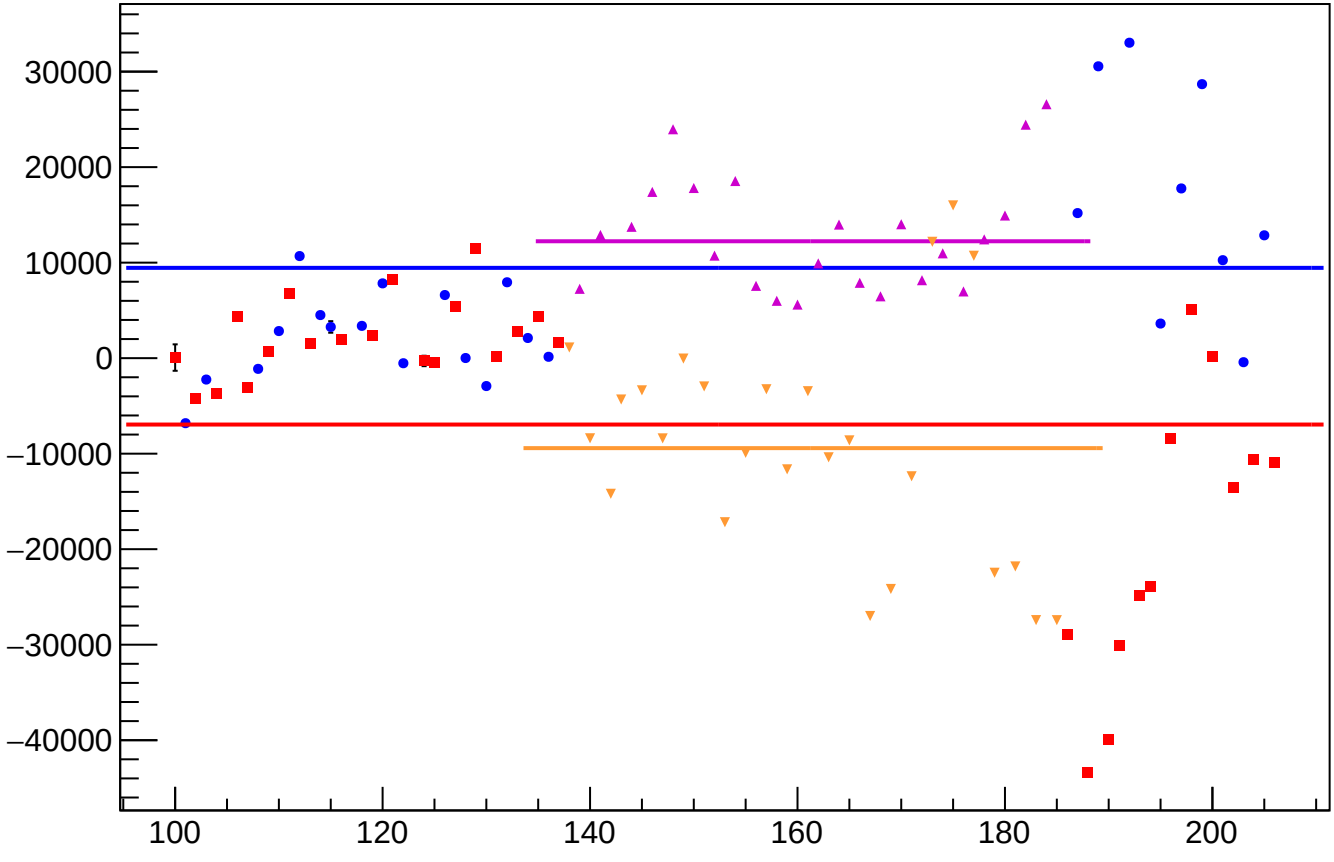
Left In: 176.155+/-0.030 χ^2/NDF:1367059.2/22

+ sign 164.879+/-0.021 χ^2/NDF: 3023210.7/49

All: 164.839+/-0.015 χ^2/NDF: 6266794.3/103

- sign 164.800+/-0.021 χ^2/NDF: 3243576.4/53

asym_bpm0i02aWS_mean vs Slug



Right In: 9454.703+/-48.295 χ^2/NDF: 51225.8/24

Left Out: -9420.181+/-45.698 χ^2/NDF:64719.0/24

Right Out: -6950.226+/-44.320 χ^2/NDF: 105809.8/30

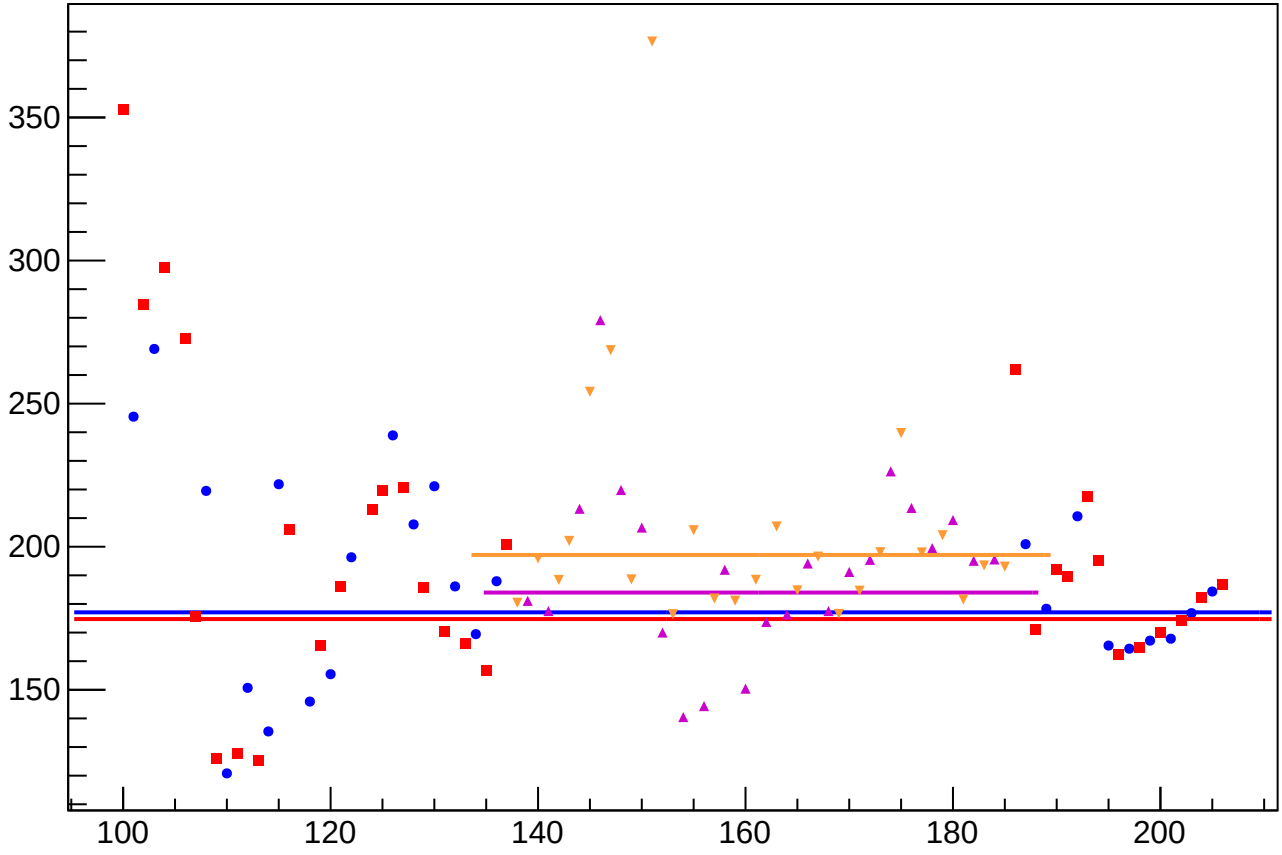
Left In: 12238.678+/-44.195 χ^2/NDF:16015.8/22

+ sign -503.812+/-33.193 χ^2/NDF: 196534.5/49

All: 1177.174+/-22.770 χ^2/NDF: 417196.9/10

- sign 2671.359+/-31.295 χ^2/NDF: 215818.1/53

asym_bpm0i02aWS_rms vs Slug



Right In: 177.073+/-0.034 χ^2/NDF: 762374.2/24

Left Out: 197.122+/-0.032 χ^2/NDF:732529.8/24

Right Out: 174.722+/-0.031 χ^2/NDF: 1206158.1/30

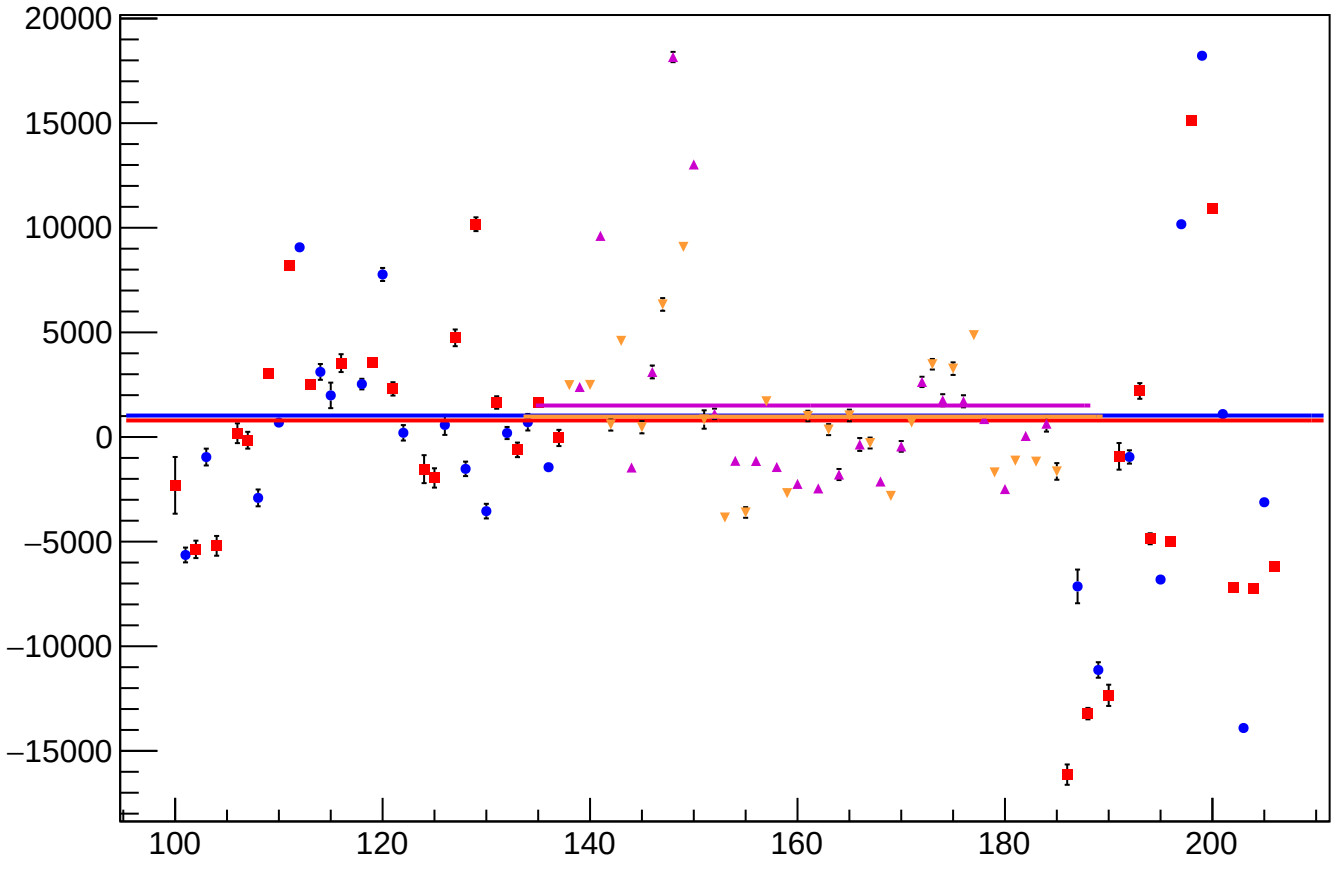
Left In: 183.985+/-0.031 χ^2/NDF:829778.1/22

+ sign 187.651+/-0.023 χ^2/NDF: 1676756.9/49

All: 183.265+/-0.016 χ^2/NDF: 3822460.6/103

- sign 179.367+/-0.022 χ^2/NDF: 2079745.8/53

asym_bpm0i05WS_mean vs Slug



Right In: 1026.035+/-54.439 χ^2/NDF: 20702.7/24

Left Out: 978.429+/-49.607 χ^2/NDF:4322.9/24

Right Out: 791.403+/-50.150 χ^2/NDF: 20901.1/30

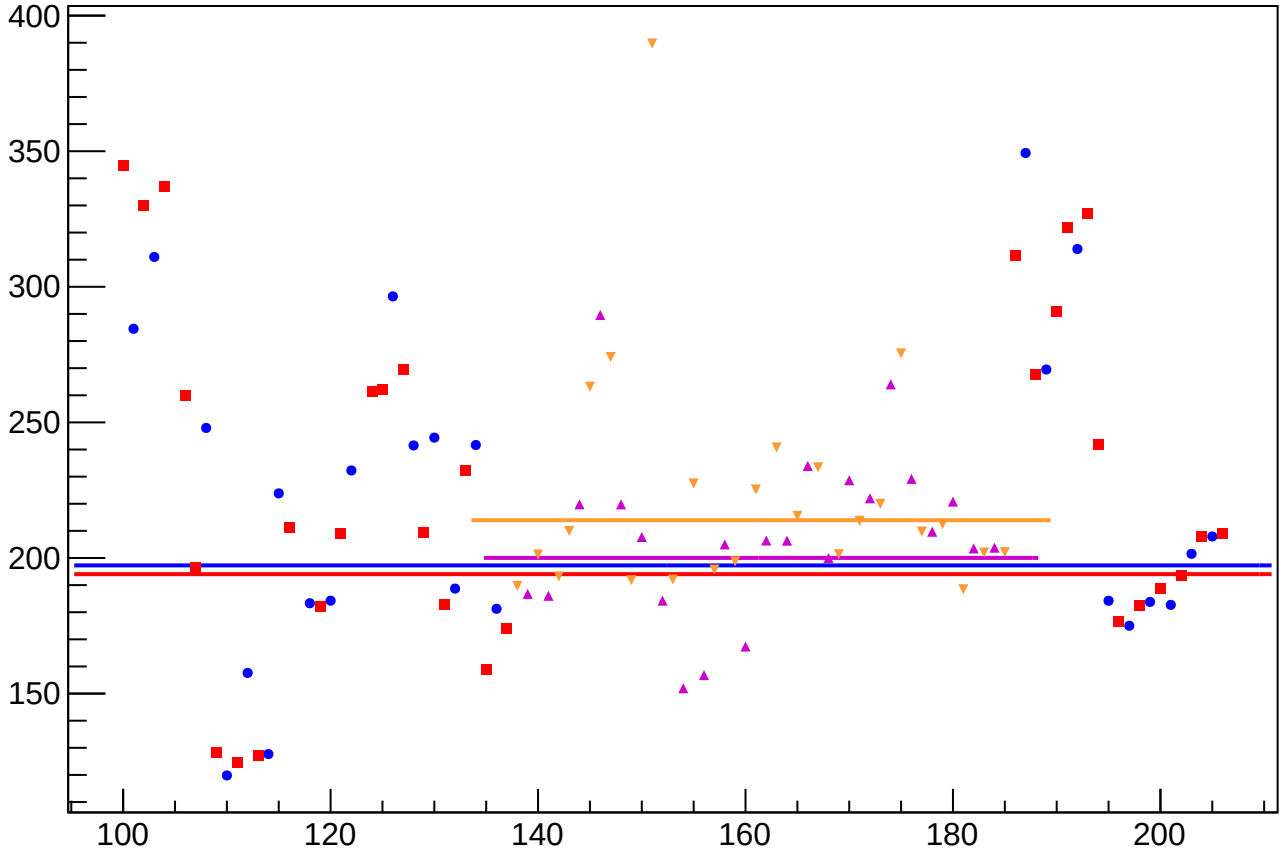
Left In: 1505.093+/-48.051 χ^2/NDF:11480.6/22

+ sign 1000.026+/-36.667 χ^2/NDF: 25026.1/49

All: 1086.275+/-25.202 χ^2/NDF: 57523.8/103

- sign 1163.500+/-34.695 χ^2/NDF: 32487.3/53

asym_bpm0i05WS_rms vs Slug



Right In: 197.267+/-0.038 χ^2/NDF: 1444996.8/24

Left Out: 213.931+/-0.035 χ^2/NDF:733638.6/24

Right Out: 194.035+/-0.035 χ^2/NDF: 2254355.9/30

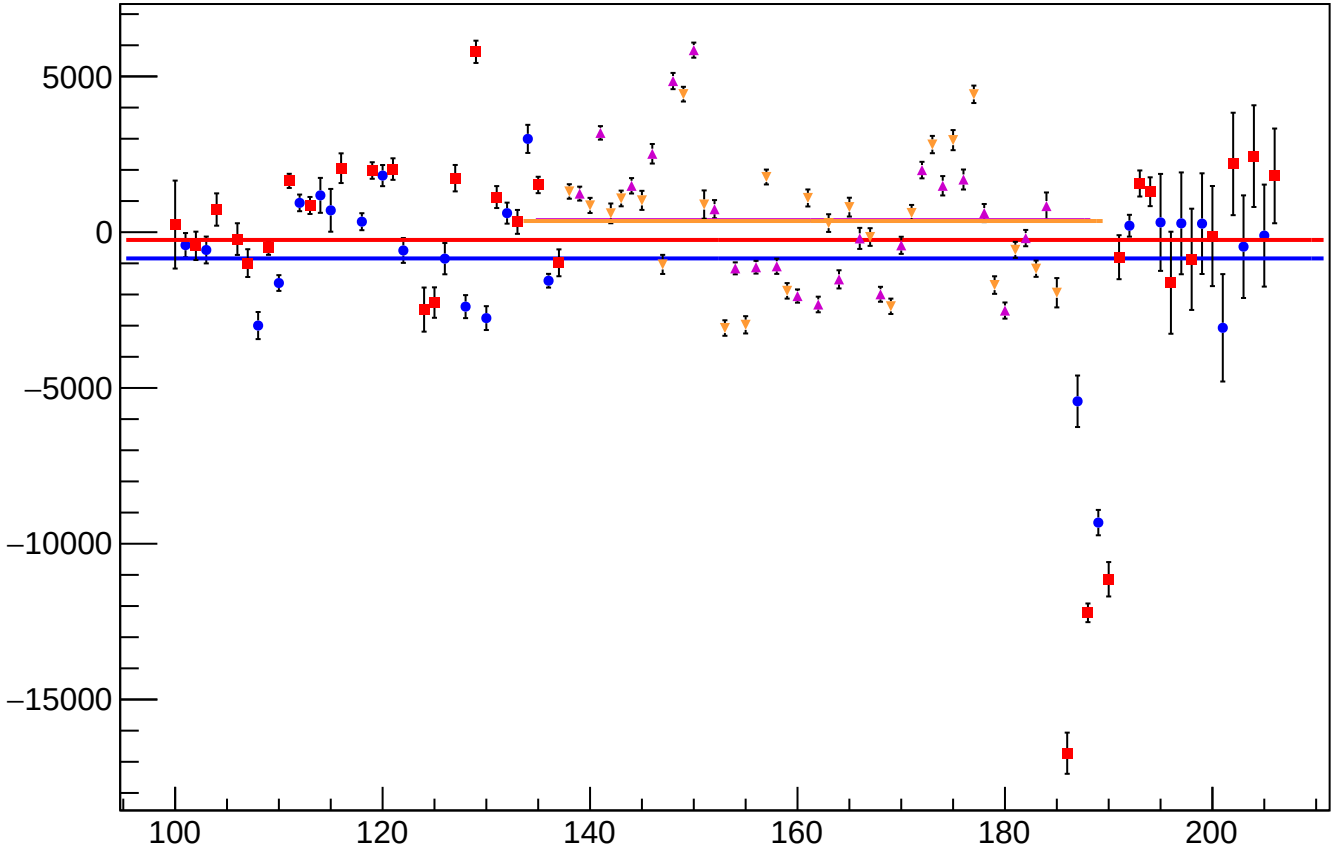
Left In: 200.031+/-0.034 χ^2/NDF:785525.4/22

+ sign 206.371+/-0.026 χ^2/NDF: 2281017.8/49

All: 201.512+/-0.018 χ^2/NDF: 5402380.1/103

- sign 197.161+/-0.025 χ^2/NDF: 3054782.8/53

asym_bpm0i07WS_mean vs Slug



Right In: -842.150+/-81.385 χ^2/NDF: 799.7/24

Left Out: 358.680+/-54.992 χ^2/NDF:1418.9/24

Right Out: -248.871+/-73.711 χ^2/NDF: 3275.7/30

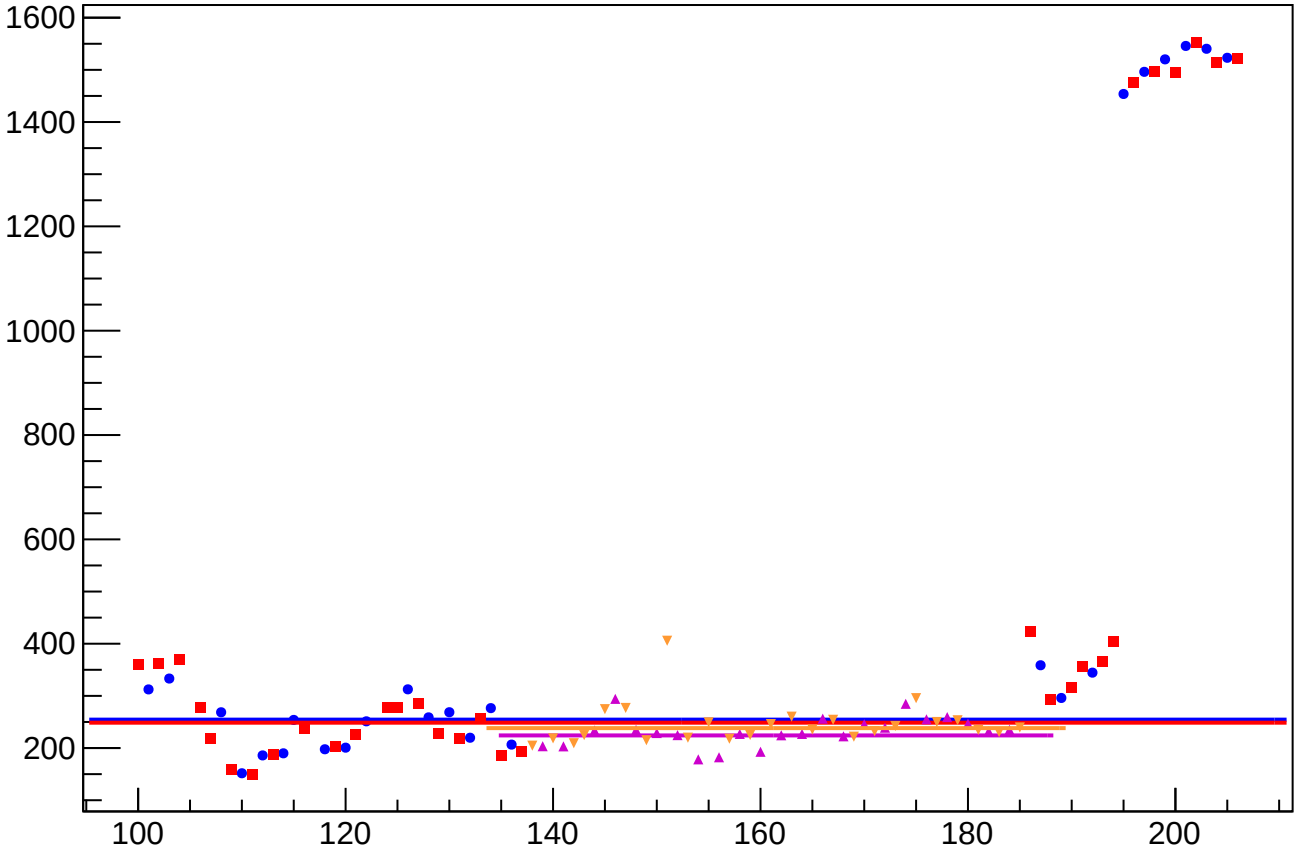
Left In: 386.941+/-53.528 χ^2/NDF:1804.2/22

+ sign -17.723+/-45.565 χ^2/NDF: 2368.0/49

All: 79.533+/-31.393 χ^2/NDF: 7505.3/103

- sign 167.411+/-43.312 χ^2/NDF: 5128.6/53

asym_bpm0i07WS_rms vs Slug



Right In: 254.471+/-0.058 χ^2/NDF: 8185656.8/24

Left Out: 238.199+/-0.039 χ^2/NDF:567935.3/24

Right Out: 248.632+/-0.052 χ^2/NDF: 9366590.5/30

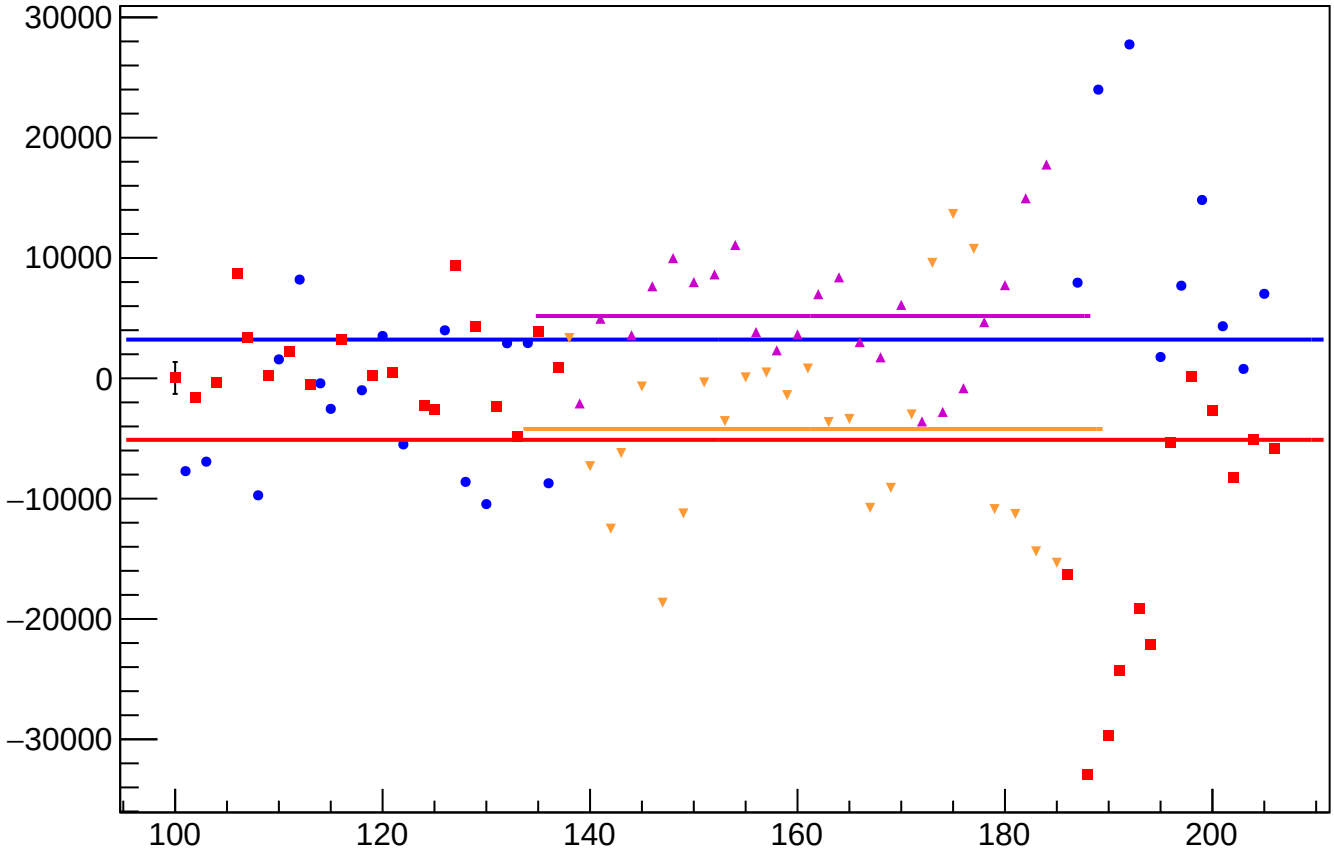
Left In: 224.212+/-0.038 χ^2/NDF:563231.1/22

+ sign 243.300+/-0.032 χ^2/NDF: 8808479.4/49

All: 237.702+/-0.022 χ^2/NDF: 18939488.1/10

- sign 232.644+/-0.031 χ^2/NDF: 10073546.6/53

asym_bpm1i02WS_mean vs Slug



Right In: 3219.565+/-36.144 χ^2/NDF: 76307.2/24

Left Out: -4210.601+/-30.828 χ^2/NDF:56802.7/24

Right Out: -5111.560+/-33.402 χ^2/NDF: 102903.5/30

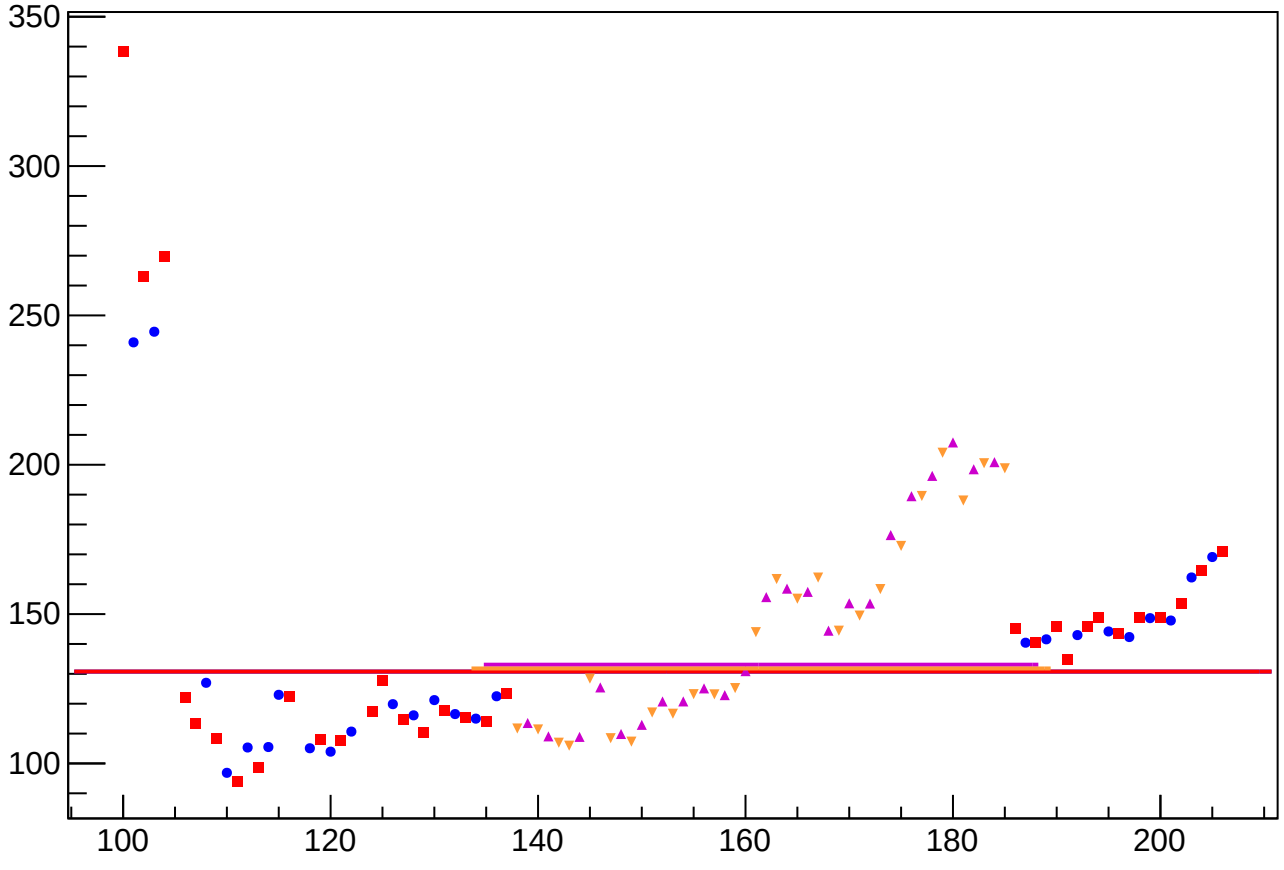
Left In: 5178.213+/-31.969 χ^2/NDF:18541.3/22

+ sign -1081.550+/-23.455 χ^2/NDF: 157573.1/49

All: -401.082+/-16.457 χ^2/NDF: 330205.1/10

- sign 258.670+/-23.095 χ^2/NDF: 170974.3/53

asym_bpm1i02WS_rms vs Slug



Right In: 130.746+/-0.026 χ^2/NDF: 1120800.3/24

Left Out: 131.798+/-0.022 χ^2/NDF:1544340.3/24

Right Out: 130.767+/-0.024 χ^2/NDF: 1445766.6/30

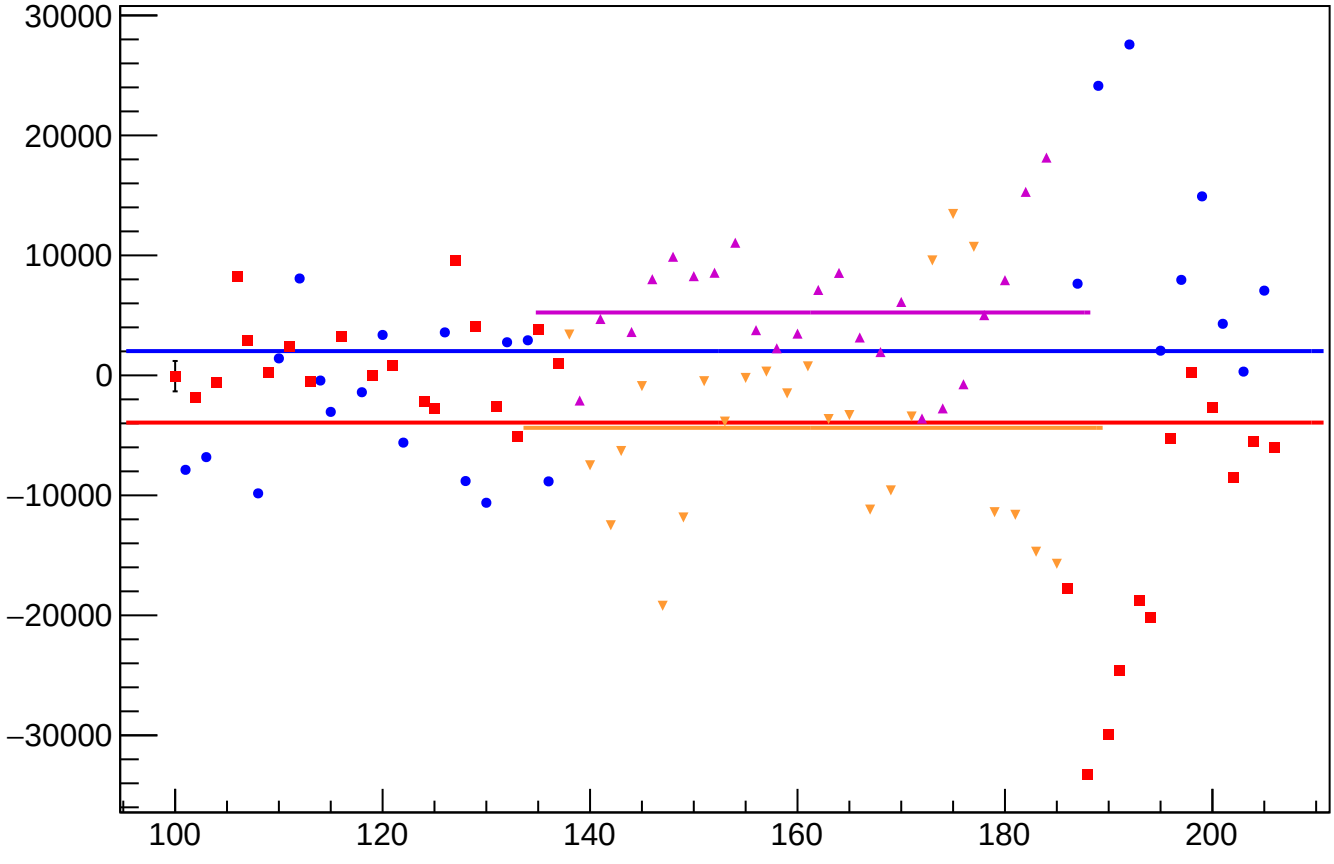
Left In: 133.061+/-0.023 χ^2/NDF:1418252.2/22

+ sign 131.355+/-0.017 χ^2/NDF: 2666119.7/49

All: 131.664+/-0.012 χ^2/NDF: 5535749.8/103

- sign 131.964+/-0.016 χ^2/NDF: 2868944.8/53

asym_bpm1i04WS_mean vs Slug



Right In: 2022.662+/-32.370 χ^2/NDF: 83802.4/24

Left Out: -4372.743+/-27.955 χ^2/NDF:67218.5/24

Right Out: -3935.383+/-30.127 χ^2/NDF: 110899.9/30

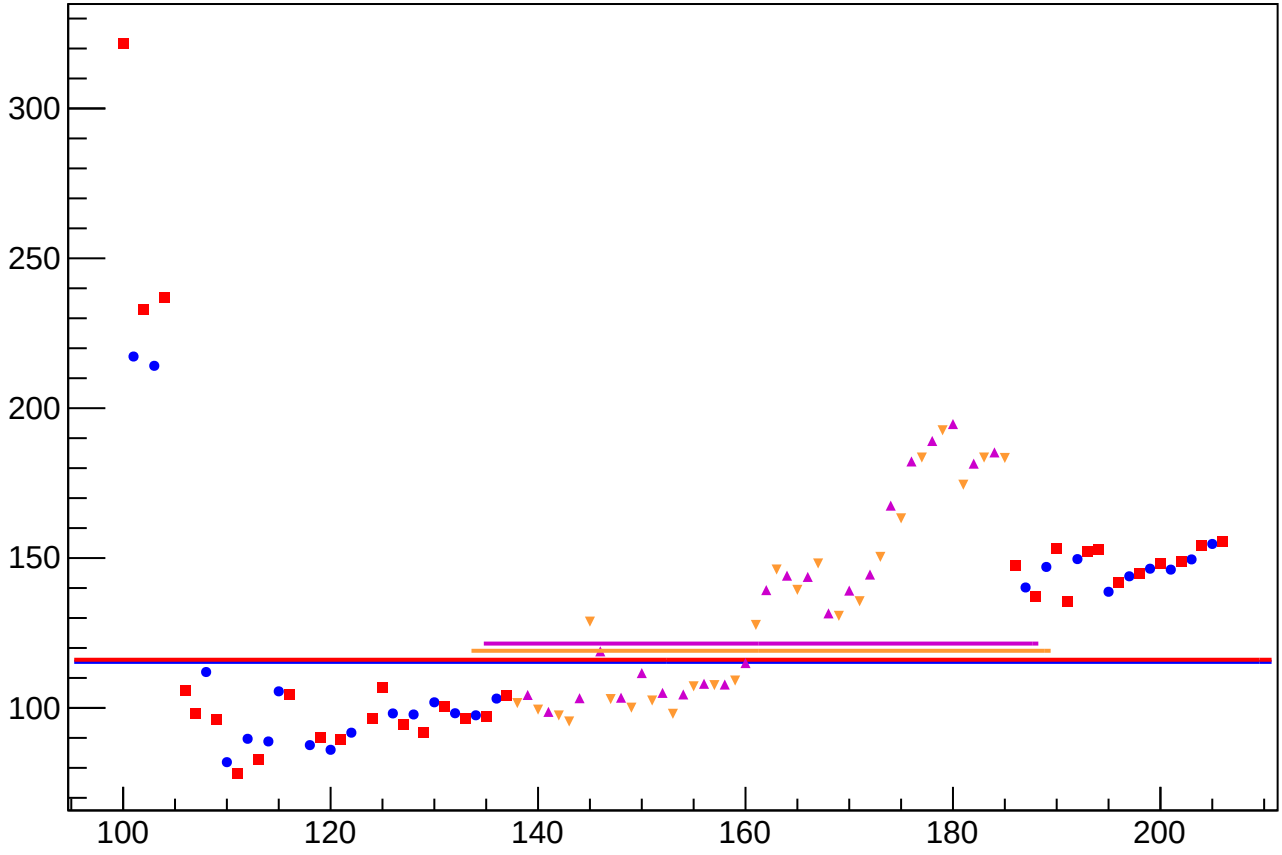
Left In: 5239.784+/-29.252 χ^2/NDF:22273.2/22

+ sign -1640.535+/-21.157 χ^2/NDF: 173380.1/49

All: -416.704+/-14.900 χ^2/NDF: 360933.2/10

- sign 787.482+/-20.987 χ^2/NDF: 180914.9/53

asym_bpm1i04WS_rms vs Slug



Right In: 115.364+/-0.023 χ^2/NDF: 1752024.9/24

Left Out: 119.064+/-0.020 χ^2/NDF:1755428.3/24

Right Out: 116.074+/-0.021 χ^2/NDF: 2258322.8/30

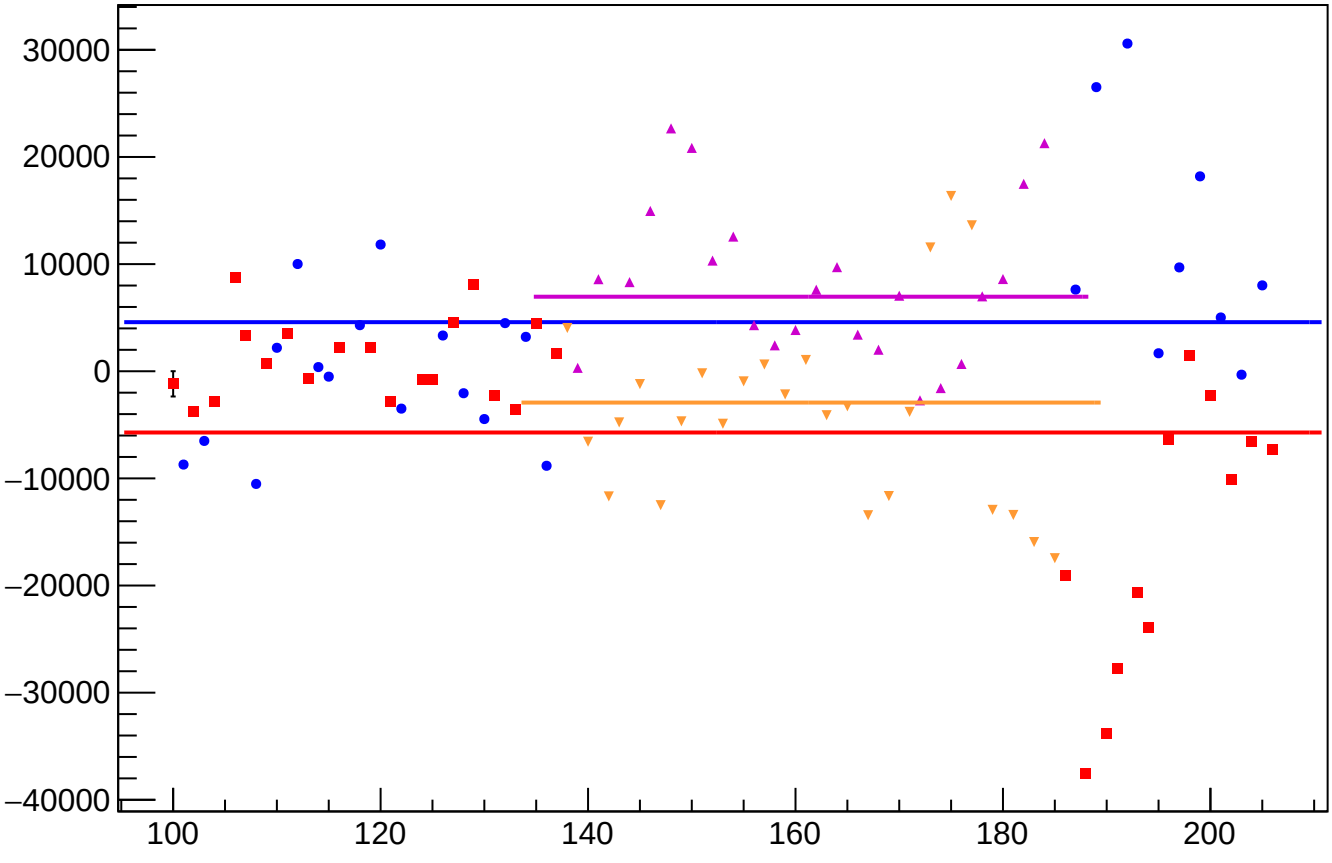
Left In: 121.468+/-0.021 χ^2/NDF:1529379.8/22

+ sign 117.484+/-0.015 χ^2/NDF: 3522419.1/49

All: 118.173+/-0.011 χ^2/NDF: 7347329.7/103

- sign 118.850+/-0.015 χ^2/NDF: 3820703.8/53

asym_bpm1i06WS_mean vs Slug



Right In: 4581.830+/-42.534 χ^2/NDF: 61181.3/24

Left Out: -2923.060+/-38.185 χ^2/NDF:38052.4/24

Right Out: -5716.725+/-39.628 χ^2/NDF: 92521.4/30

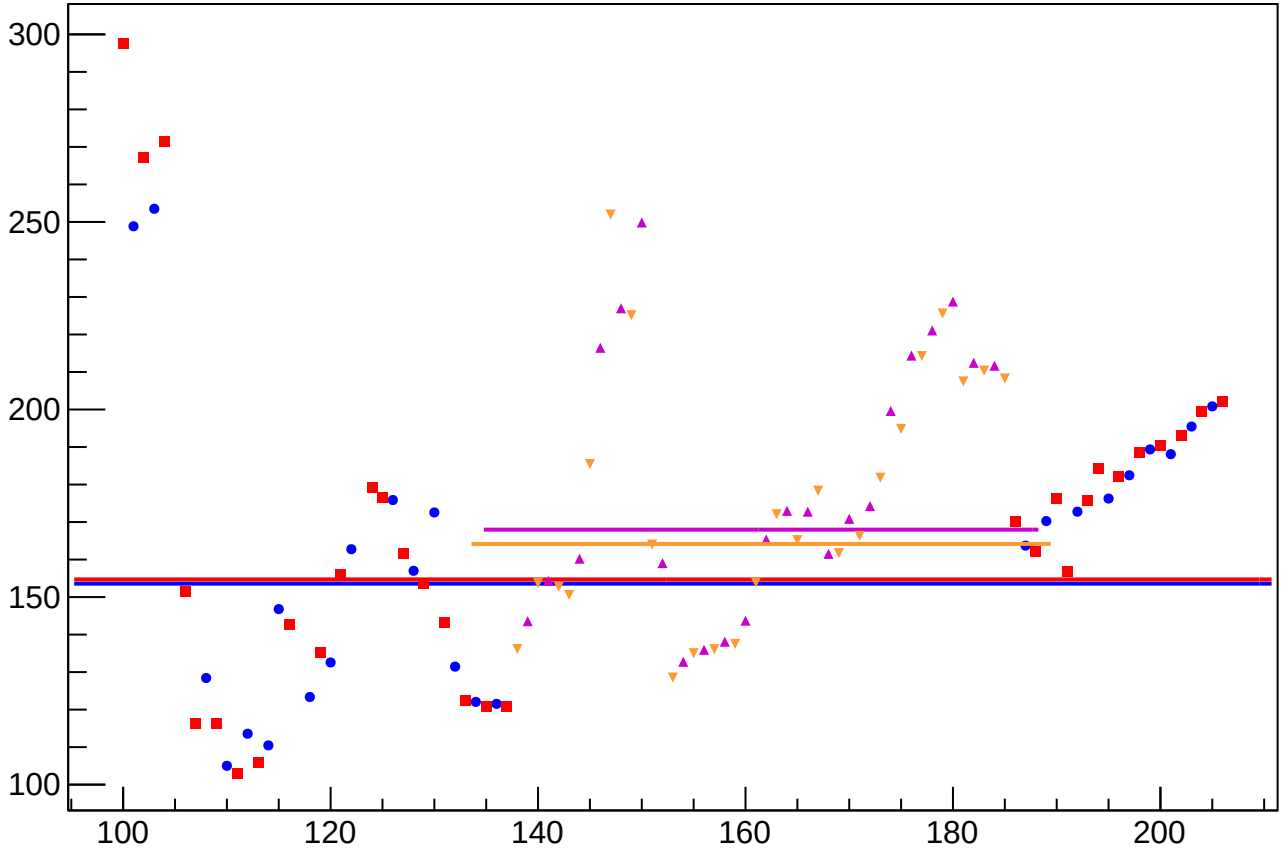
Left In: 6956.884+/-40.245 χ^2/NDF:22339.0/22

+ sign 426.233+/-28.414 χ^2/NDF: 116472.8/49

All: 474.540+/-20.029 χ^2/NDF: 281689.0/103

- sign 522.246+/-28.237 χ^2/NDF: 165210.5/53

asym_bpm1i06WS_rms vs Slug



Right In: 153.580+/-0.030 χ^2/NDF: 1404882.3/24

Left Out: 164.172+/-0.027 χ^2/NDF:1224405.6/24

Right Out: 154.712+/-0.028 χ^2/NDF: 1730097.2/30

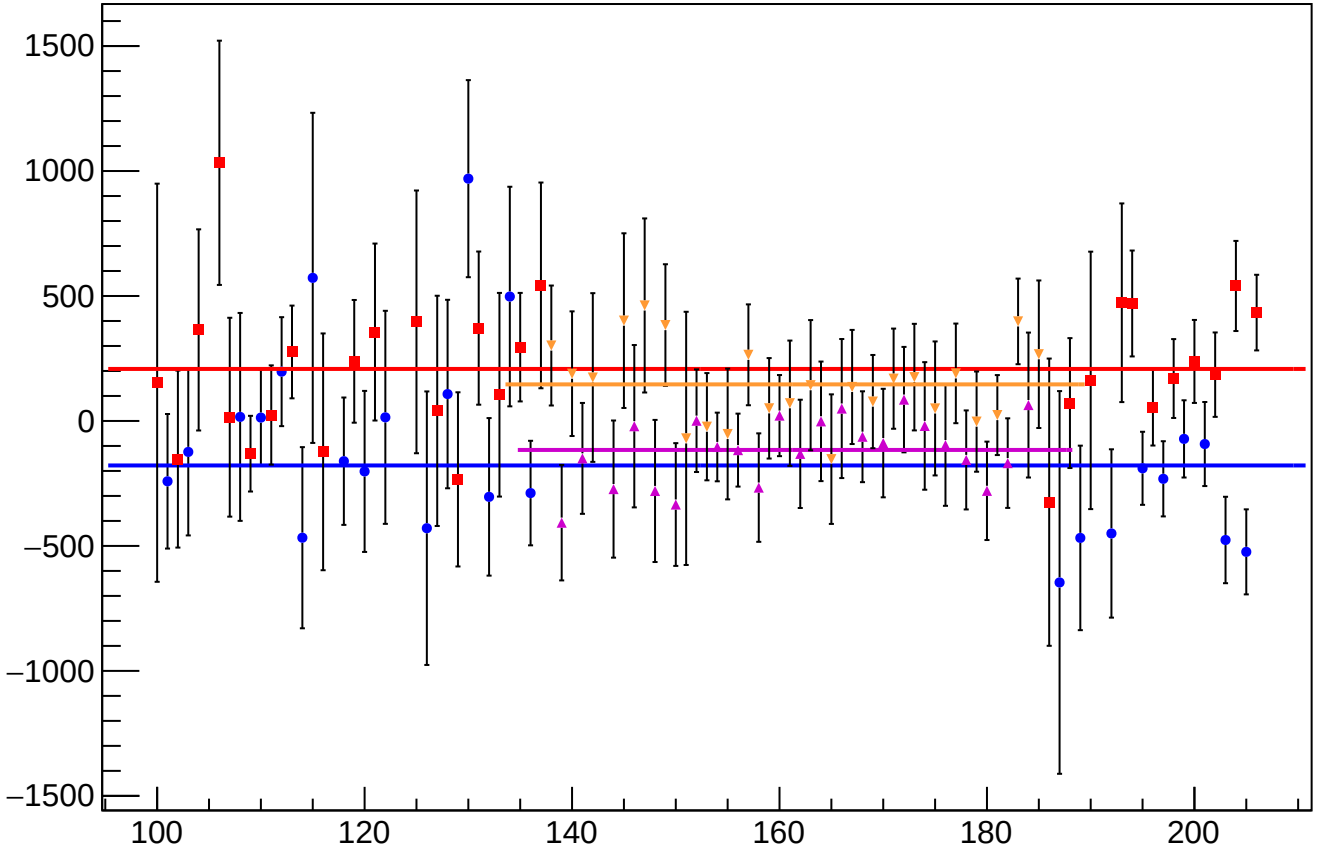
Left In: 167.975+/-0.028 χ^2/NDF:1222745.4/22

+ sign 159.445+/-0.020 χ^2/NDF: 2697971.3/49

All: 160.349+/-0.014 χ^2/NDF: 5765117.6/103

- sign 161.241+/-0.020 χ^2/NDF: 3063125.2/53

asym_bcm_2an_us_an_ds_avg_mean vs Slug



Right In: -178.039+/-48.451 χ^2/NDF: 28.1/24

Left Out: 146.352+/-46.929 χ^2/NDF:10.0/23

Right Out: 208.123+/-45.037 χ^2/NDF: 23.9/28

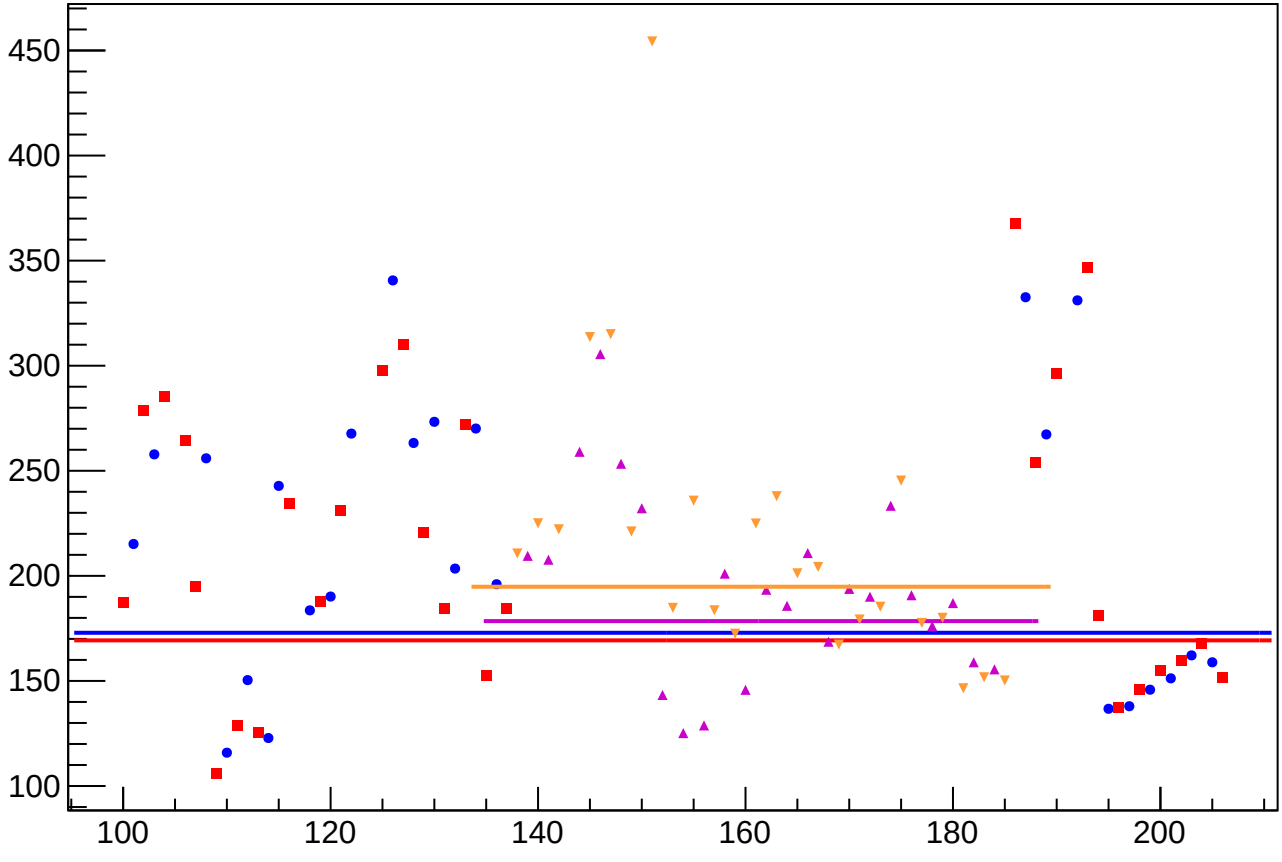
Left In: -115.974+/-43.605 χ^2/NDF:7.6/22

\+ sign -10.666+/-33.709 χ^2/NDF: 61.1/48

All: 16.970+/-22.948 χ^2/NDF: 120.6/100

\- sign 40.839+/-31.327 χ^2/NDF: 58.2/51

asym_bcm_2an_us_an_ds_avg_rms vs Slug



Right In: 172.919+/-0.034 χ^2/NDF: 2202348.6/24

Left Out: 194.828+/-0.033 χ^2/NDF:1752475.1/23

Right Out: 169.306+/-0.032 χ^2/NDF: 2751580.8/28

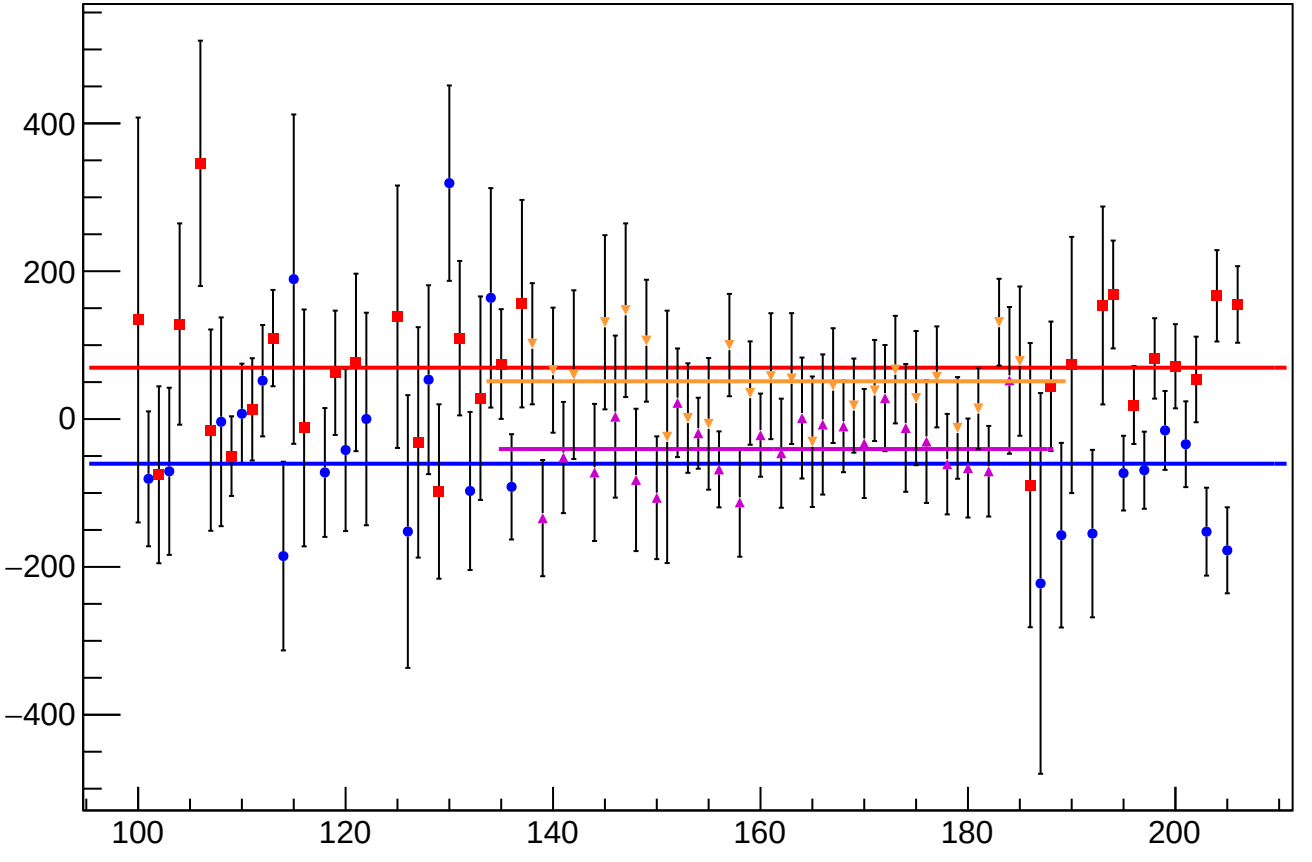
Left In: 178.475+/-0.031 χ^2/NDF:1676266.4/22

+ sign 184.224+/-0.024 χ^2/NDF: 4165822.0/48

All: 178.759+/-0.016 χ^2/NDF: 8734419.7/100

- sign 174.039+/-0.022 χ^2/NDF: 4470636.2/51

asym_bcm_2an_us_an_ds_dd_mean vs Slug



Right In: -60.399+/-16.647 χ^2/NDF: 26.9/24

Left Out: 51.161+/-16.037 χ^2/NDF:8.1/23

Right Out: 69.510+/-15.501 χ^2/NDF: 23.6/28

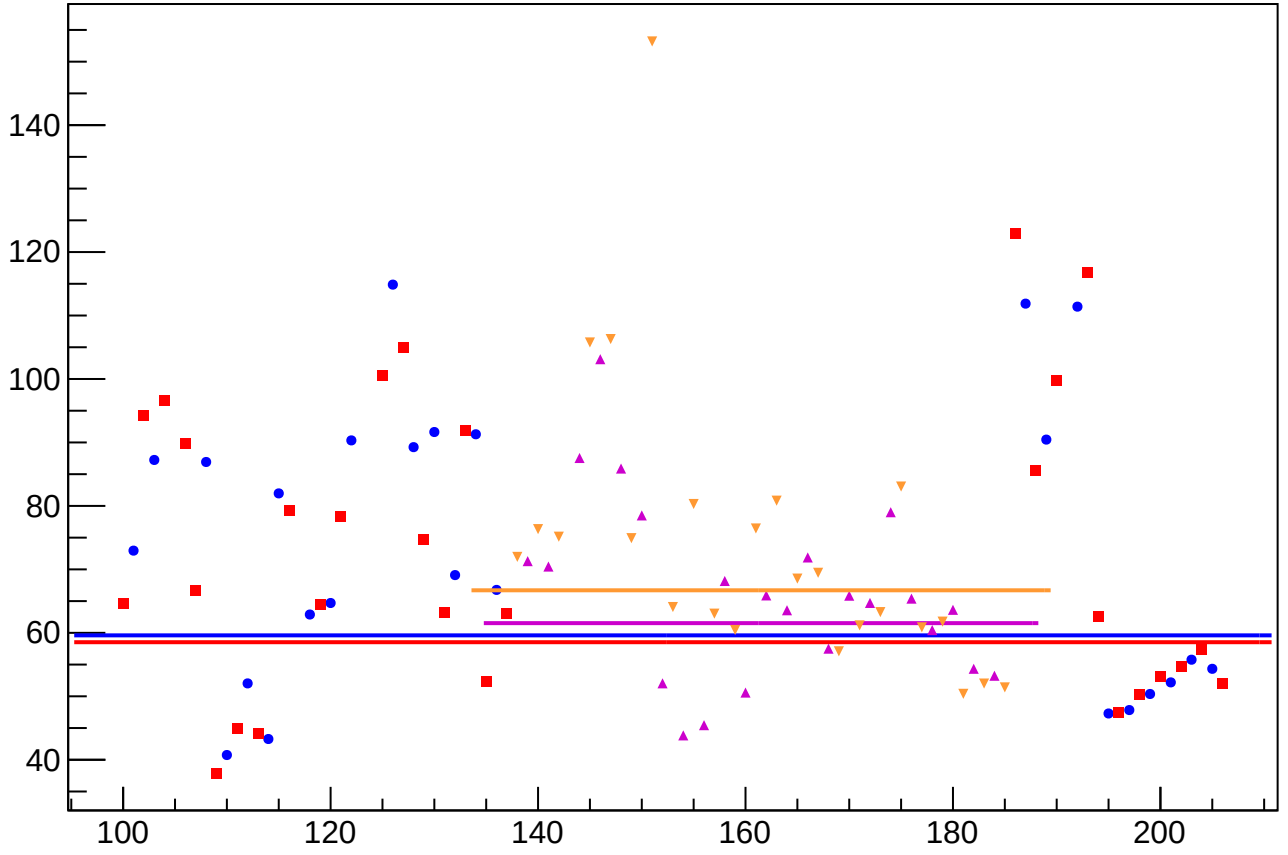
Left In: -40.540+/-14.978 χ^2/NDF:7.9/22

+ sign -2.536+/-11.550 χ^2/NDF: 58.3/48

All: 5.557+/-7.877 χ^2/NDF: 116.7/100

- sign 12.596+/-10.771 χ^2/NDF: 57.5/51

asym_bcm_2an_us_an_ds_dd_rms vs Slug



Right In: 59.603+/-0.012 χ^2/NDF: 2056067.6/24

Left Out: 66.703+/-0.011 χ^2/NDF:1676329.9/23

Right Out: 58.524+/-0.011 χ^2/NDF: 2553071.8/28

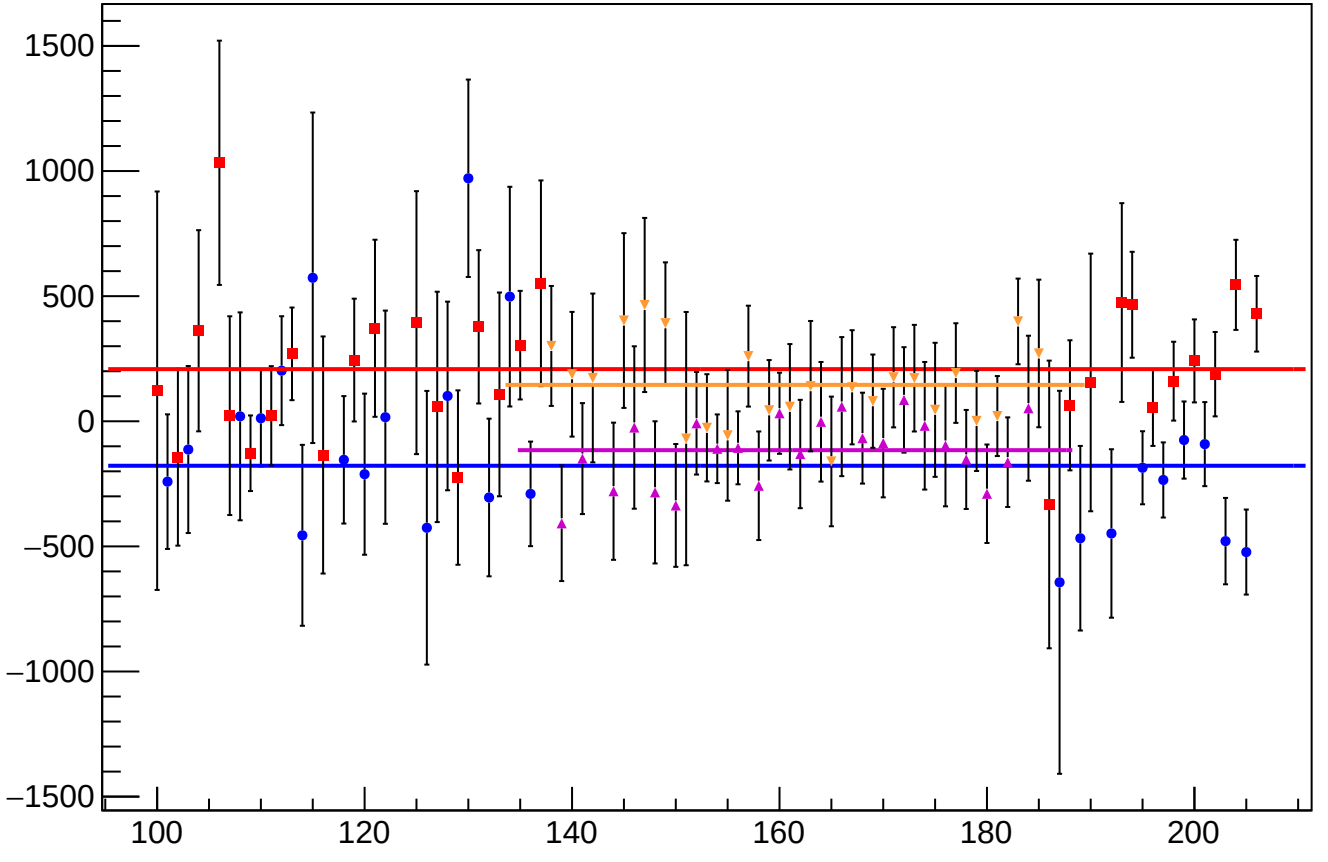
Left In: 61.529+/-0.011 χ^2/NDF:1489848.4/22

+ sign 63.286+/-0.008 χ^2/NDF: 3921058.8/48

All: 61.570+/-0.006 χ^2/NDF: 8085366.7/100

- sign 60.078+/-0.008 χ^2/NDF: 4081789.7/51

asym_bcm_an_us_an_ds_avg_mean vs Slug



Right In: -177.745+/-48.389 χ^2/NDF: 28.2/24

Left Out: 145.476+/-46.889 χ^2/NDF:10.2/23

Right Out: 208.375+/-44.981 χ^2/NDF: 23.9/28

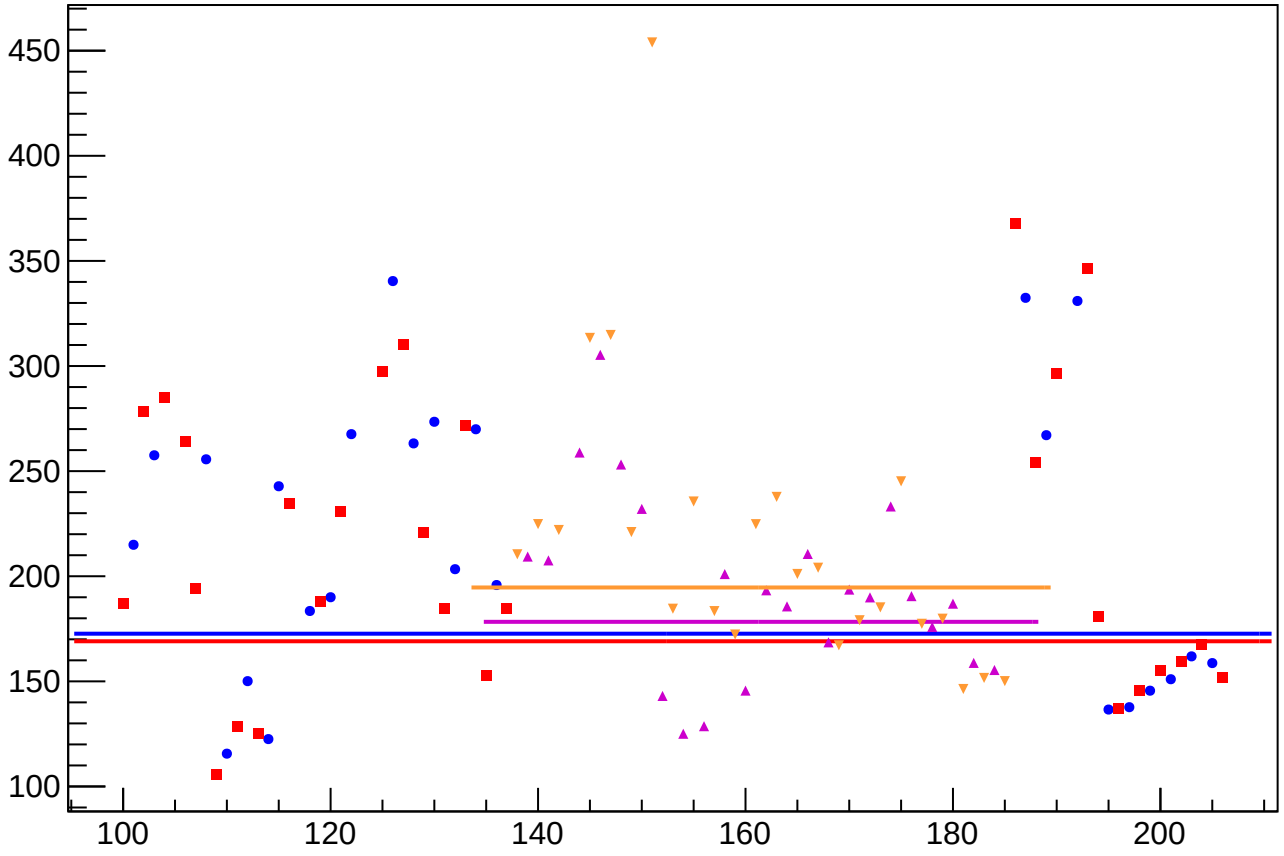
Left In: -115.487+/-43.568 χ^2/NDF:7.8/22

+ sign -11.048+/-33.673 χ^2/NDF: 61.4/48

All: 17.028+/-22.923 χ^2/NDF: 121.1/100

- sign 41.278+/-31.295 χ^2/NDF: 58.4/51

asym_bcm_an_us_an_ds_avg_rms vs Slug



Right In: 172.673+/-0.034 χ^2/NDF: 2208913.0/24

Left Out: 194.659+/-0.033 χ^2/NDF:1753119.9/23

Right Out: 169.070+/-0.032 χ^2/NDF: 2759731.8/28

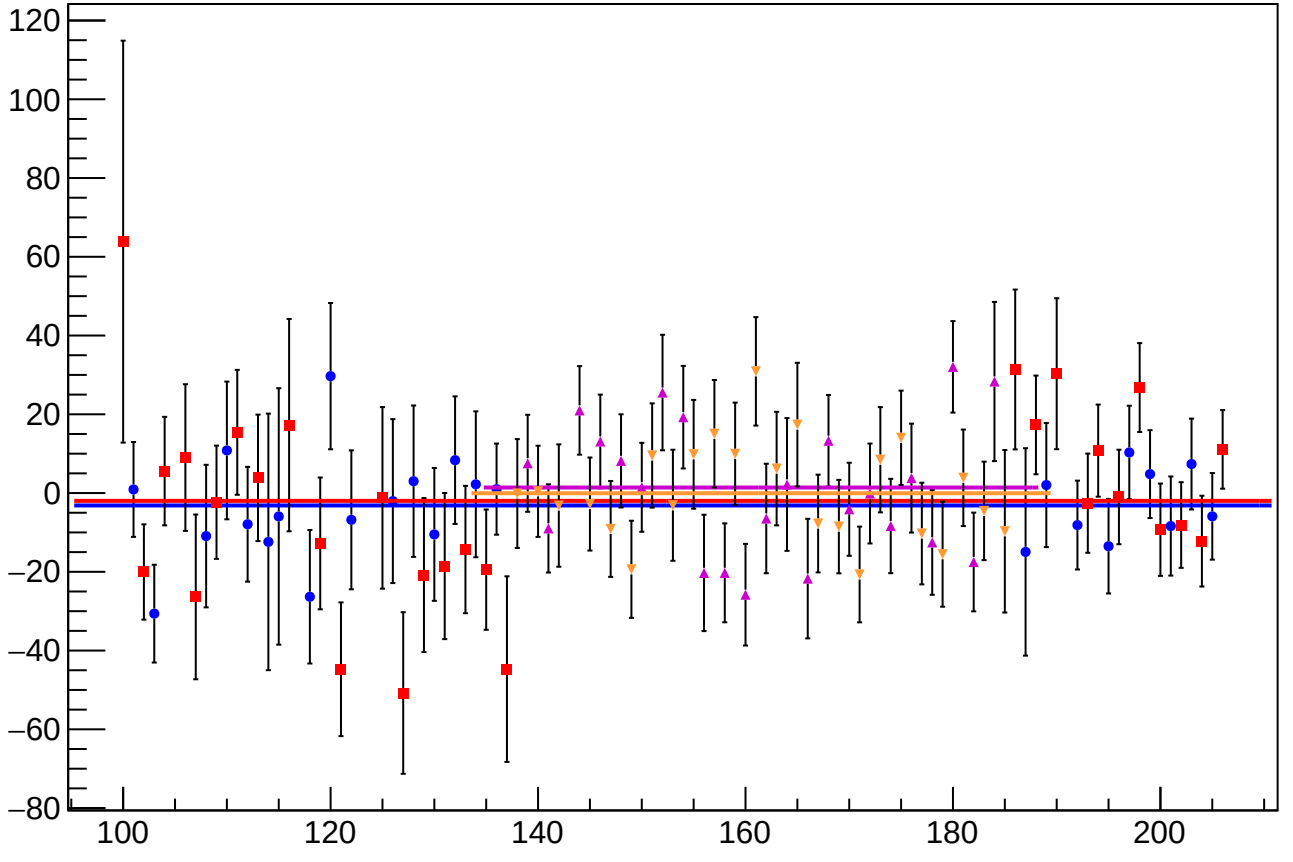
Left In: 178.318+/-0.031 χ^2/NDF:1678336.4/22

+ sign 184.012+/-0.024 χ^2/NDF: 4174986.2/48

All: 178.555+/-0.016 χ^2/NDF: 8754574.0/100

- sign 173.841+/-0.022 χ^2/NDF: 4481689.9/51

asym_bcm_an_us_an_ds_dd_mean vs Slug



Right In: -3.150+/-2.935 χ^2/NDF: 16.2/24

Left Out: -0.047+/-2.685 χ^2/NDF:20.5/23

Right Out: -1.985+/-2.756 χ^2/NDF: 45.9/28

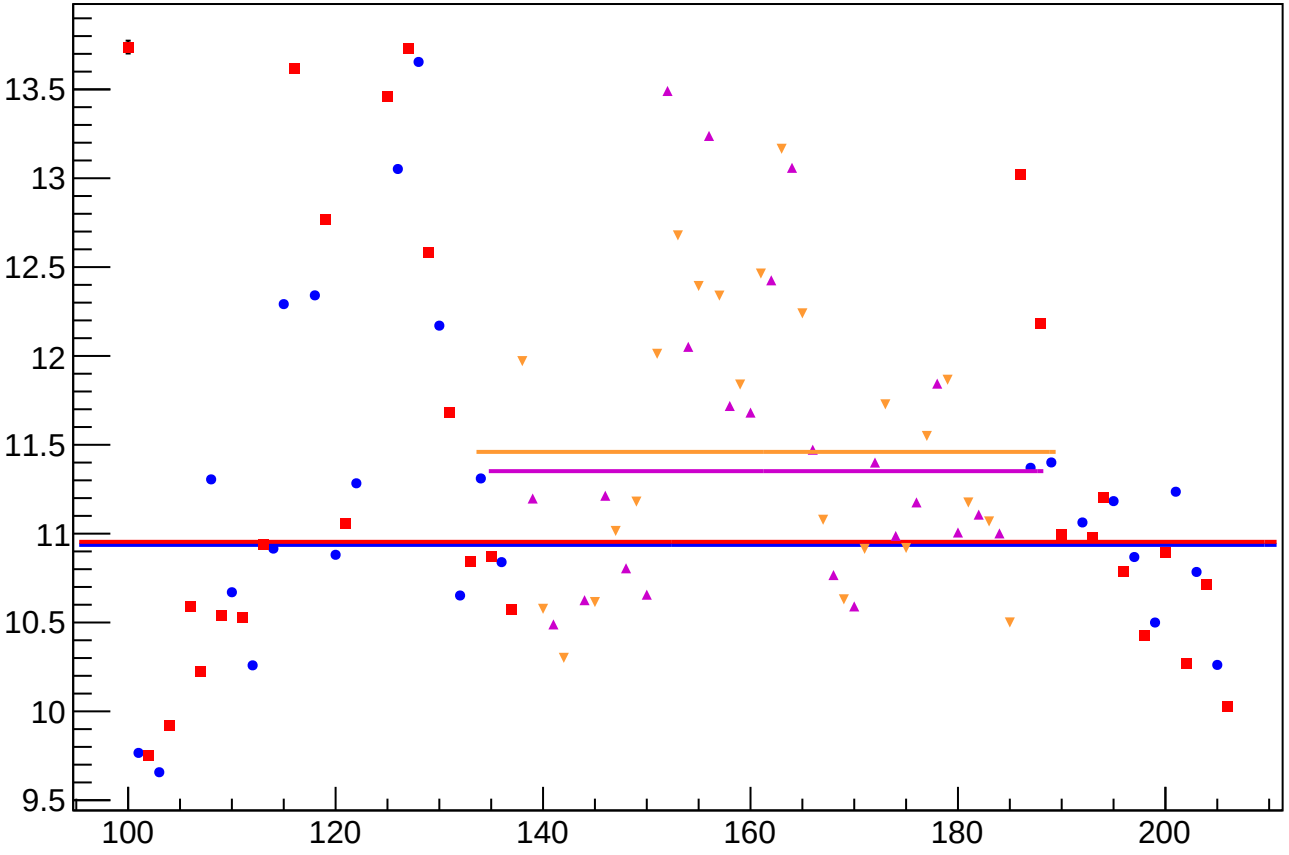
Left In: 1.407+/-2.674 χ^2/NDF:36.3/22

+ sign -1.460+/-1.981 χ^2/NDF: 37.3/48

All: -0.830+/-1.378 χ^2/NDF: 120.5/100

- sign -0.238+/-1.919 χ^2/NDF: 83.0/51

asym_bcm_an_us_an_ds_dd_rms vs Slug



Right In: 10.937+/-0.002 χ^2/NDF: 152137.3/24

Left Out: 11.460+/-0.002 χ^2/NDF:150430.0/23

Right Out: 10.954+/-0.002 χ^2/NDF: 236013.4/28

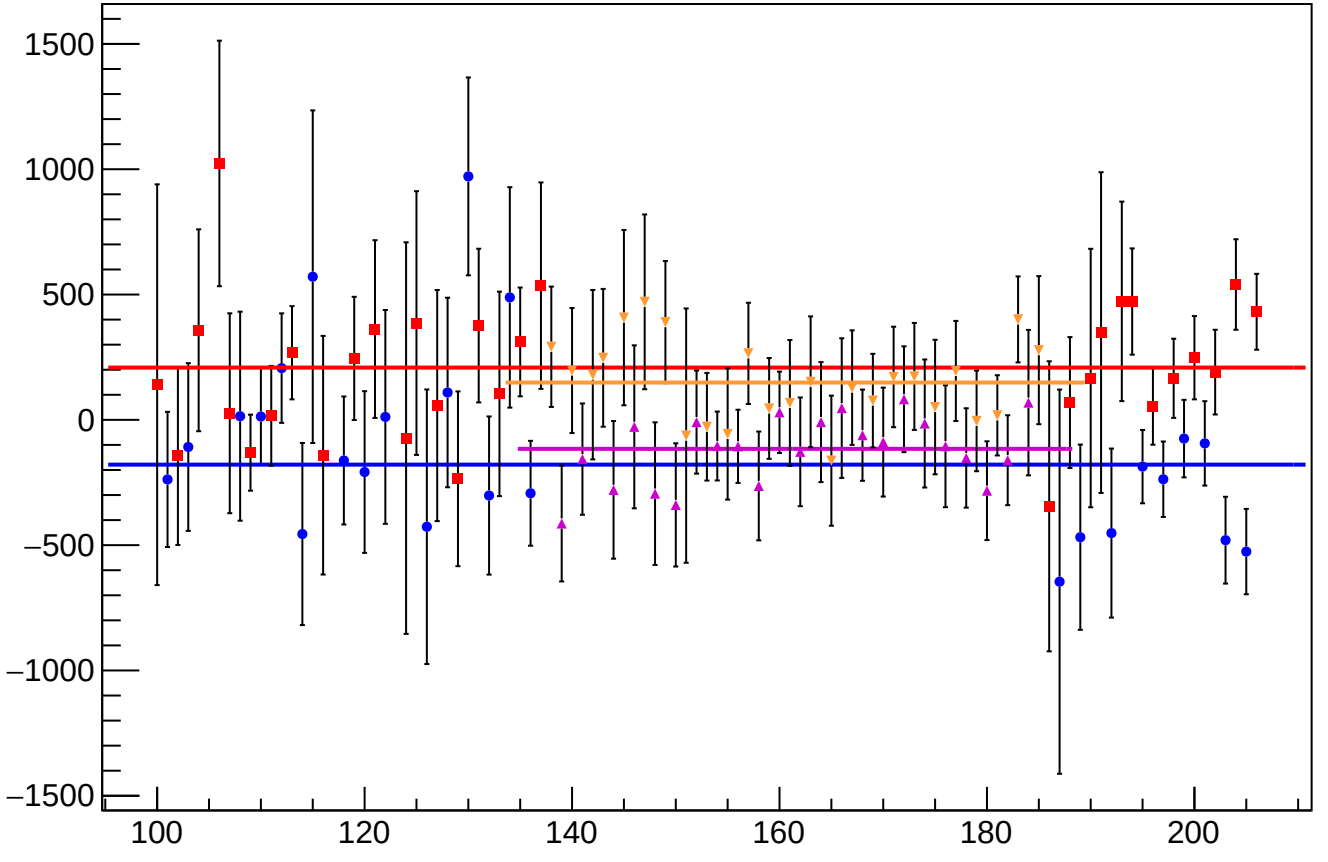
Left In: 11.352+/-0.002 χ^2/NDF:170563.6/22

+ sign 11.222+/-0.001 χ^2/NDF: 337181.7/48

All: 11.189+/-0.001 χ^2/NDF: 766251.1/100

- sign 11.159+/-0.001 χ^2/NDF: 428032.5/51

asym_bcm_an_us_an_ds3_avg_mean vs Slug



Right In: -178.708+/-48.520 χ^2/NDF: 28.2/24

Left Out: 148.905+/-46.306 χ^2/NDF:10.5/24

Right Out: 208.581+/-44.918 χ^2/NDF: 24.0/30

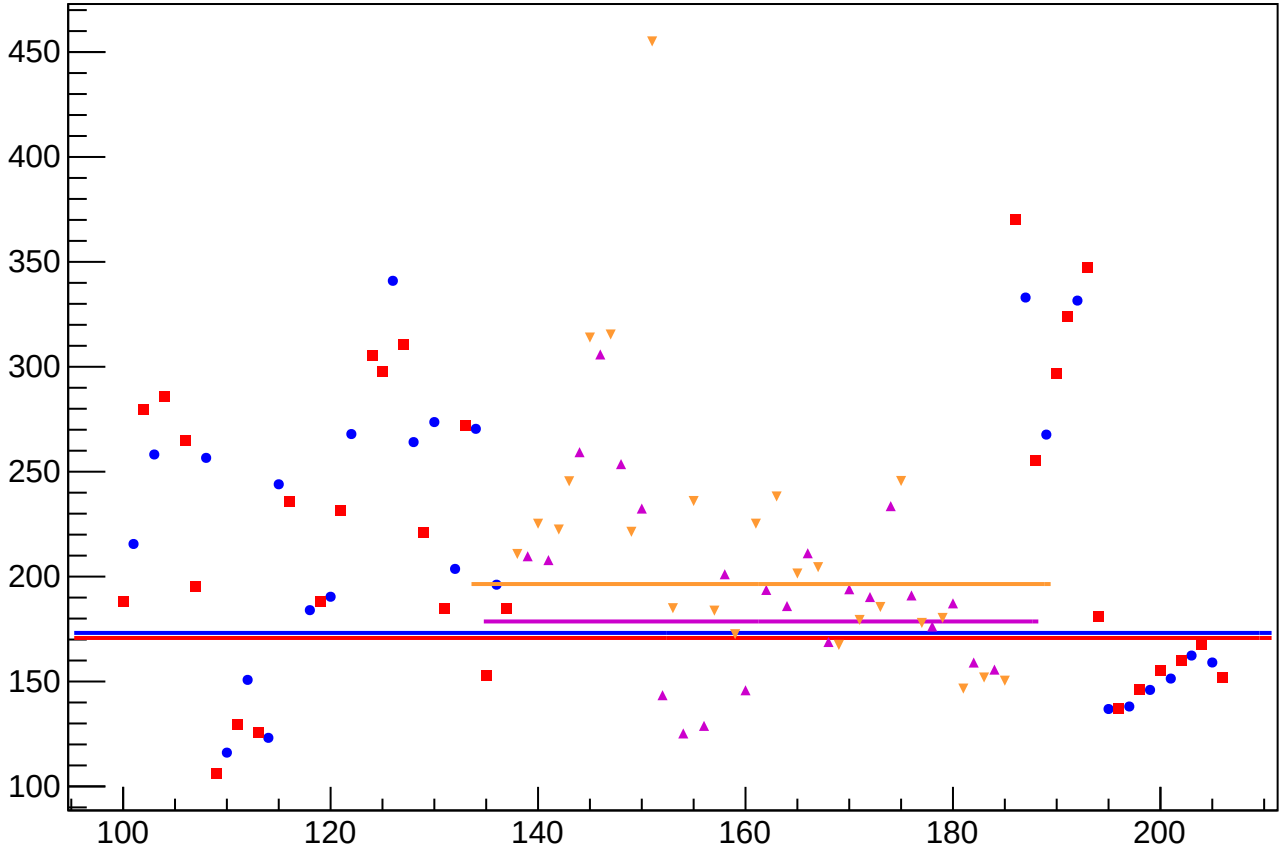
Left In: -115.709+/-43.641 χ^2/NDF:7.8/22

+ sign -7.258+/-33.499 χ^2/NDF: 62.5/49

All: 18.911+/-22.871 χ^2/NDF: 122.3/103

- sign 41.758+/-31.301 χ^2/NDF: 58.7/53

asym_bcm_an_us_an_ds3_avg_rms vs Slug



Right In: 173.159+/-0.034 χ^2/NDF: 2203393.1/24

Left Out: 196.454+/-0.033 χ^2/NDF:1818746.1/24

Right Out: 170.751+/-0.032 χ^2/NDF: 2932548.9/30

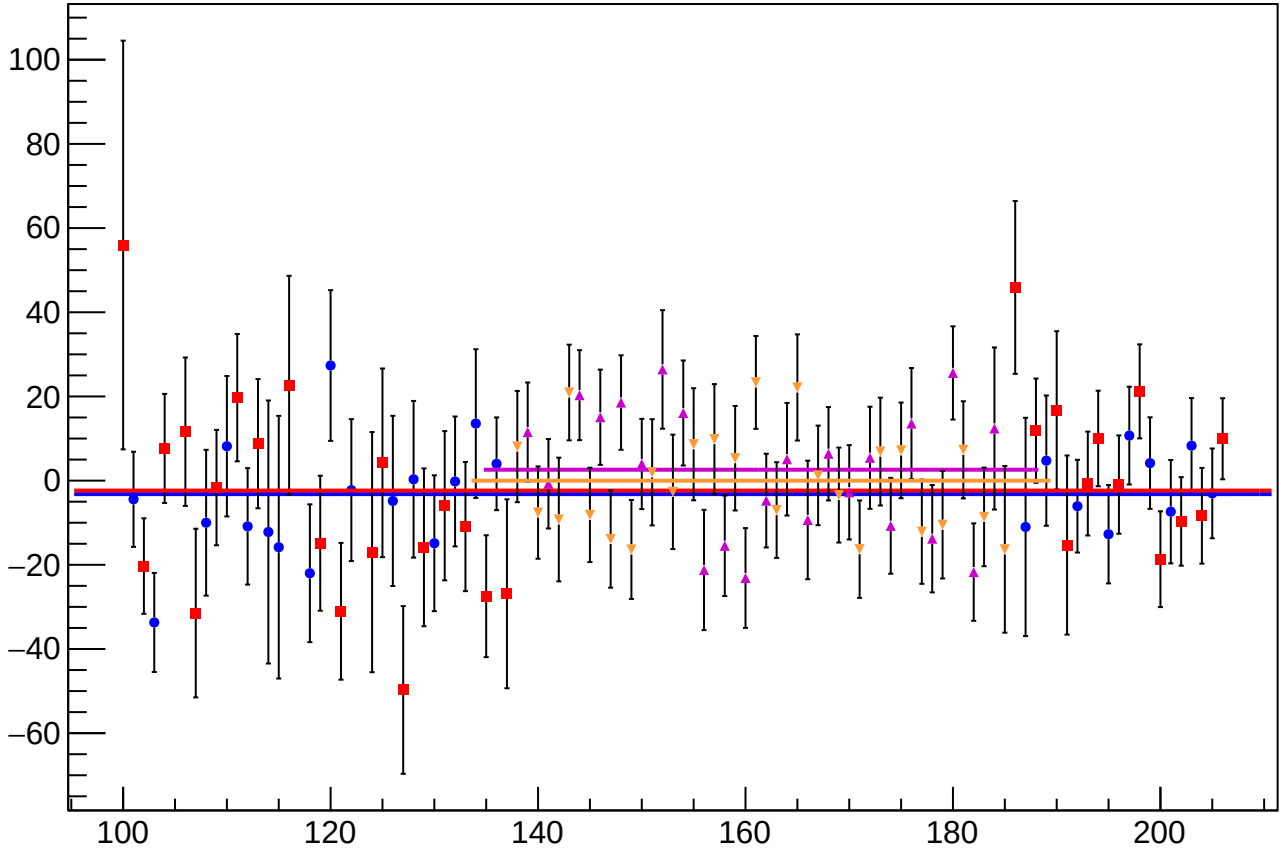
Left In: 178.614+/-0.031 χ^2/NDF:1678859.8/22

+ sign 185.350+/-0.024 χ^2/NDF: 4263402.5/49

All: 179.716+/-0.016 χ^2/NDF: 9012324.3/103

- sign 174.796+/-0.022 χ^2/NDF: 4642931.0/53

asym_bcm_an_us_an_ds3_dd_mean vs Slug



Right In: -3.208+/-2.831 χ^2/NDF: 18.2/24

Left Out: -0.018+/-2.445 χ^2/NDF:23.7/24

Right Out: -2.365+/-2.630 χ^2/NDF: 44.0/30

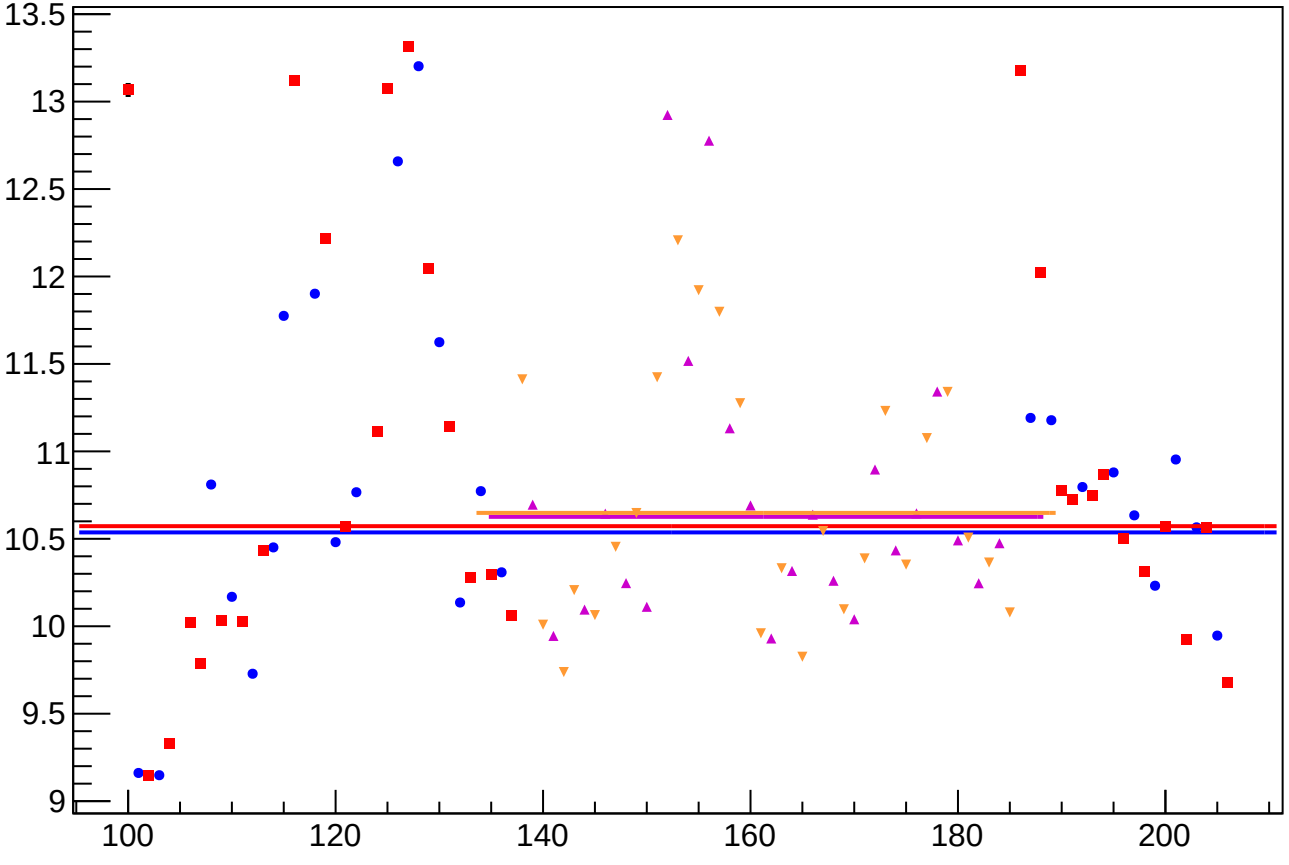
Left In: 2.591+/-2.506 χ^2/NDF:34.8/22

+ sign -1.381+/-1.850 χ^2/NDF: 42.7/49

All: -0.558+/-1.295 χ^2/NDF: 123.7/103

- sign 0.232+/-1.814 χ^2/NDF: 80.7/53

asym_bcm_an_us_an_ds3_dd_rms vs Slug



Right In: 10.537+/-0.002 χ^2/NDF: 175629.8/24

Left Out: 10.648+/-0.002 χ^2/NDF:143535.9/24

Right Out: 10.572+/-0.002 χ^2/NDF: 274738.9/30

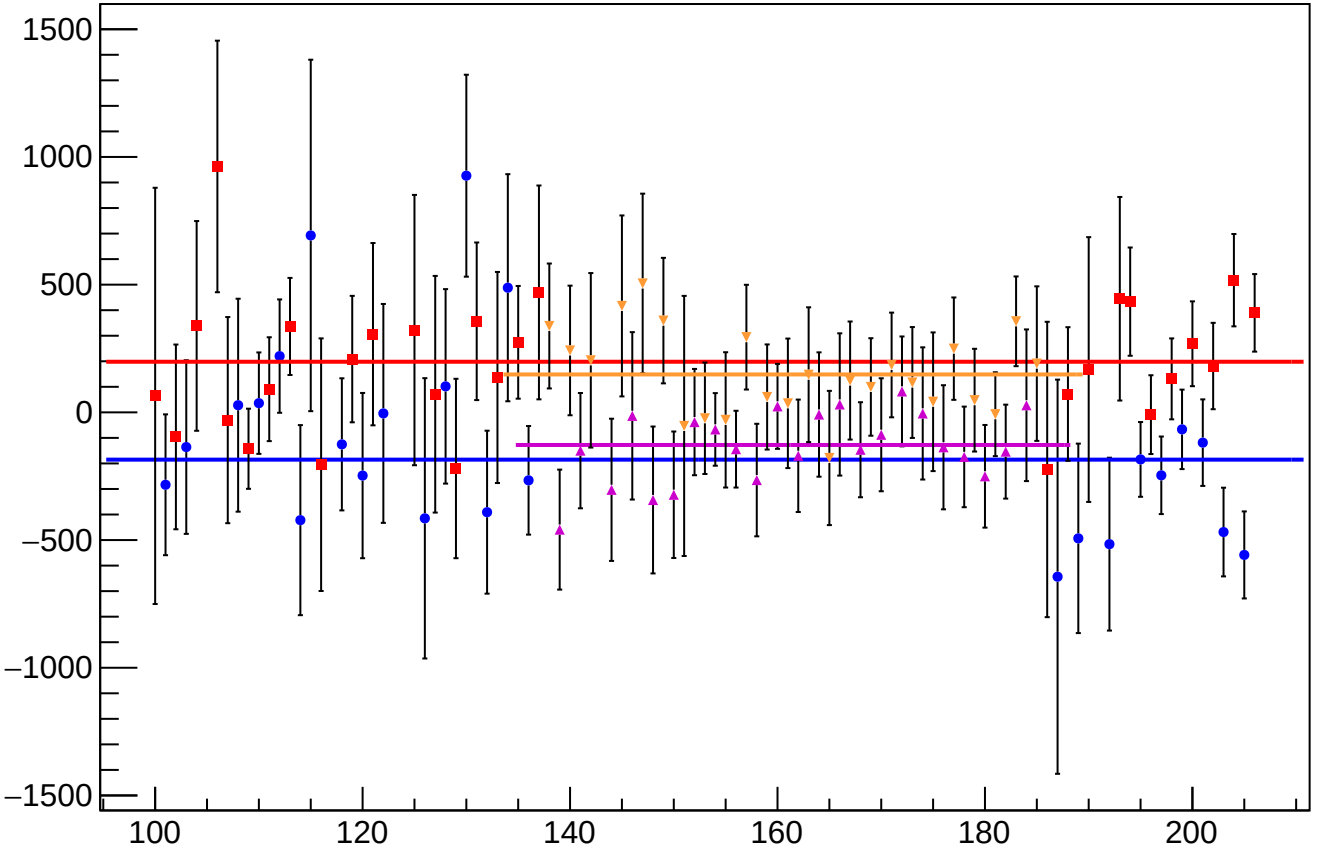
Left In: 10.626+/-0.002 χ^2/NDF:159543.1/22

+ sign 10.601+/-0.001 χ^2/NDF: 320947.6/49

All: 10.600+/-0.001 χ^2/NDF: 755661.3/103

- sign 10.600+/-0.001 χ^2/NDF: 434713.6/53

asym_bcm_dg_us_dg_ds_avg_mean vs Slug



Right In: -185.146+/-48.933 χ^2/NDF: 29.2/24

Left Out: 148.441+/-47.720 χ^2/NDF:9.9/23

Right Out: 198.162+/-45.547 χ^2/NDF: 21.5/28

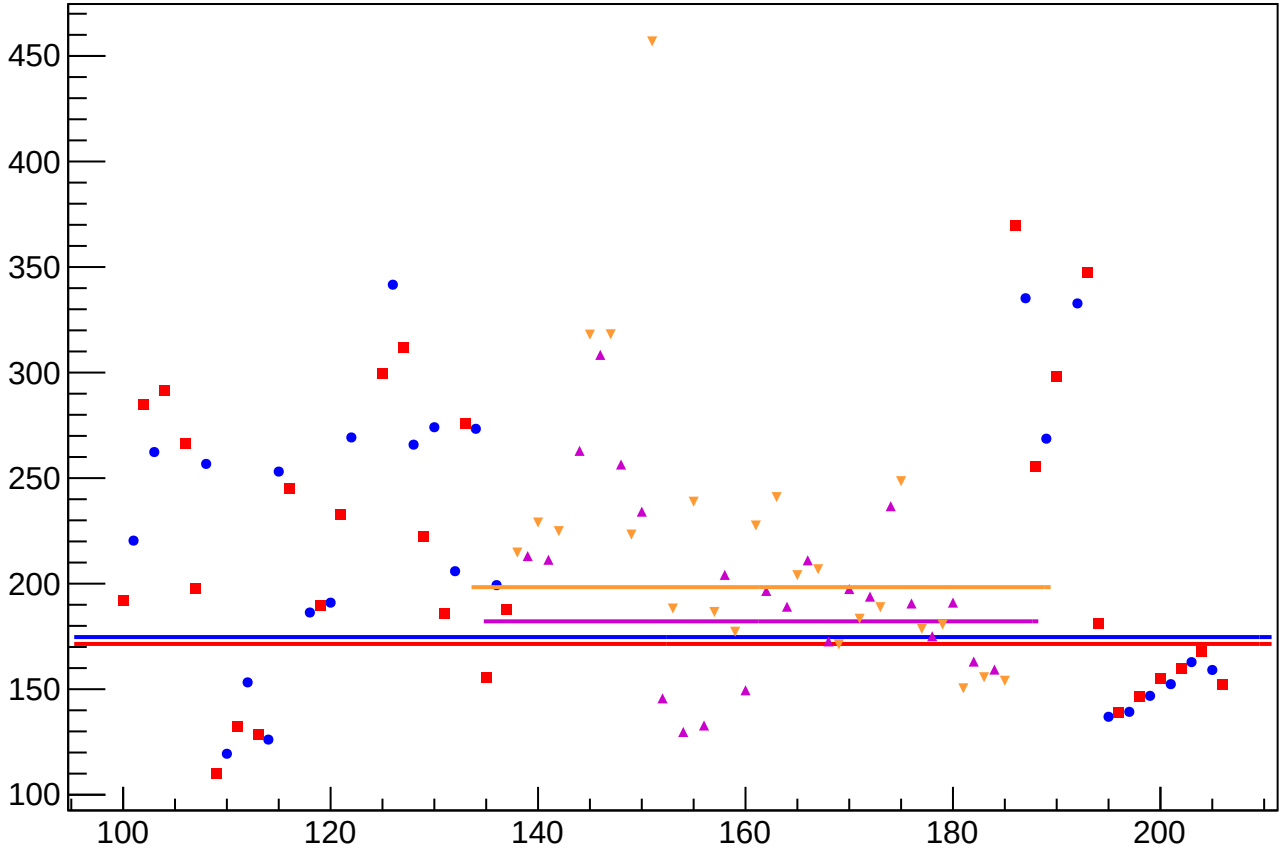
Left In: -127.710+/-44.426 χ^2/NDF:7.8/22

+ sign -14.168+/-34.164 χ^2/NDF: 62.8/48

All: 10.121+/-23.278 χ^2/NDF: 119.3/100

- sign 31.169+/-31.803 χ^2/NDF: 55.5/51

asym_bcm_dg_us_dg_ds_avg_rms vs Slug



Right In: 174.692+/-0.035 χ^2/NDF: 2194347.3/24

Left Out: 198.351+/-0.034 χ^2/NDF:1697058.2/23

Right Out: 171.446+/-0.032 χ^2/NDF: 2694887.9/28

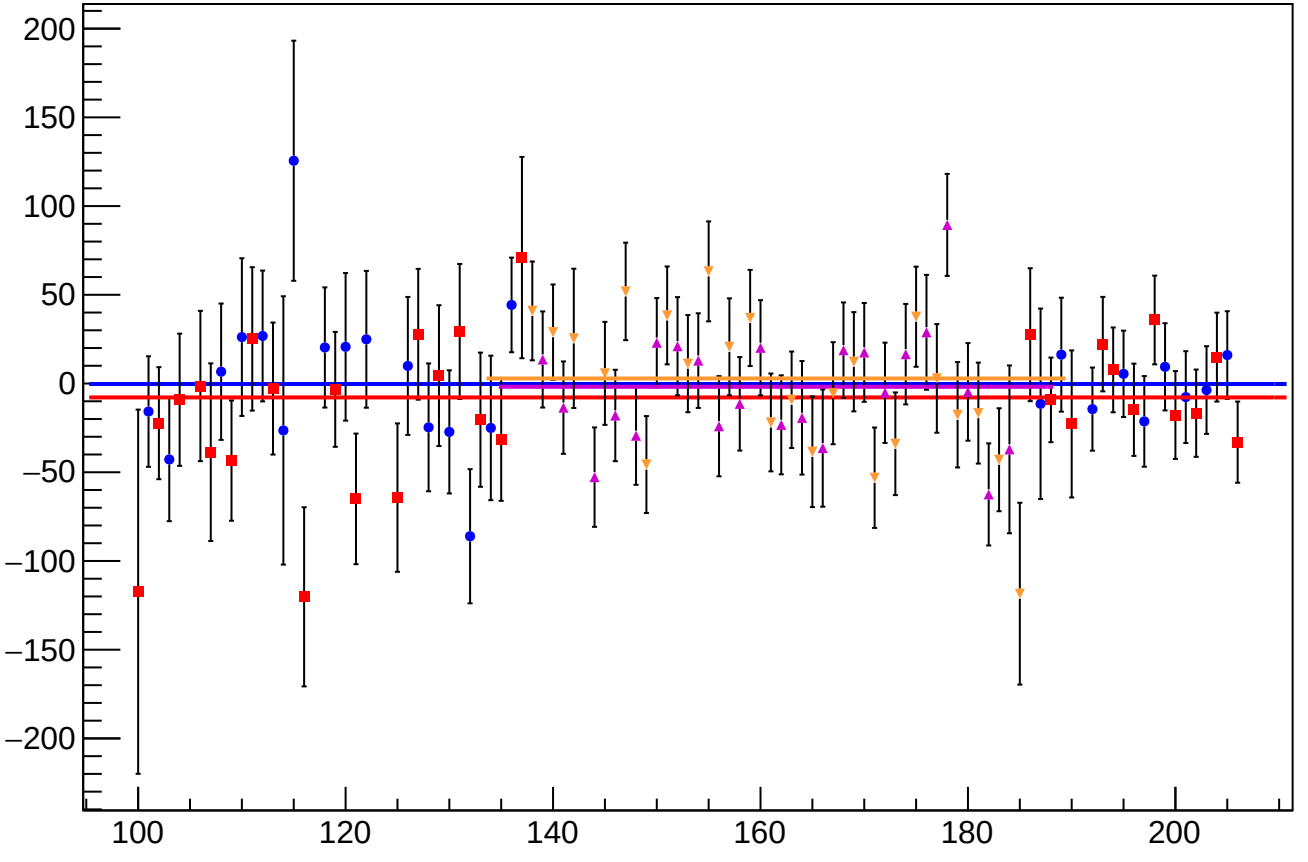
Left In: 182.150+/-0.031 χ^2/NDF:1584358.1/22

+ sign 186.819+/-0.024 χ^2/NDF: 4131037.2/48

All: 181.521+/-0.016 χ^2/NDF: 8556640.5/100

- sign 176.931+/-0.022 χ^2/NDF: 4335855.9/51

asym_bcm_dg_us_dg_ds_dd_mean vs Slug



Right In: -0.275+/-6.448 χ^2/NDF: 18.8/24

Left Out: 2.851+/-5.904 χ^2/NDF:36.9/23

Right Out: -7.839+/-6.016 χ^2/NDF: 25.4/28

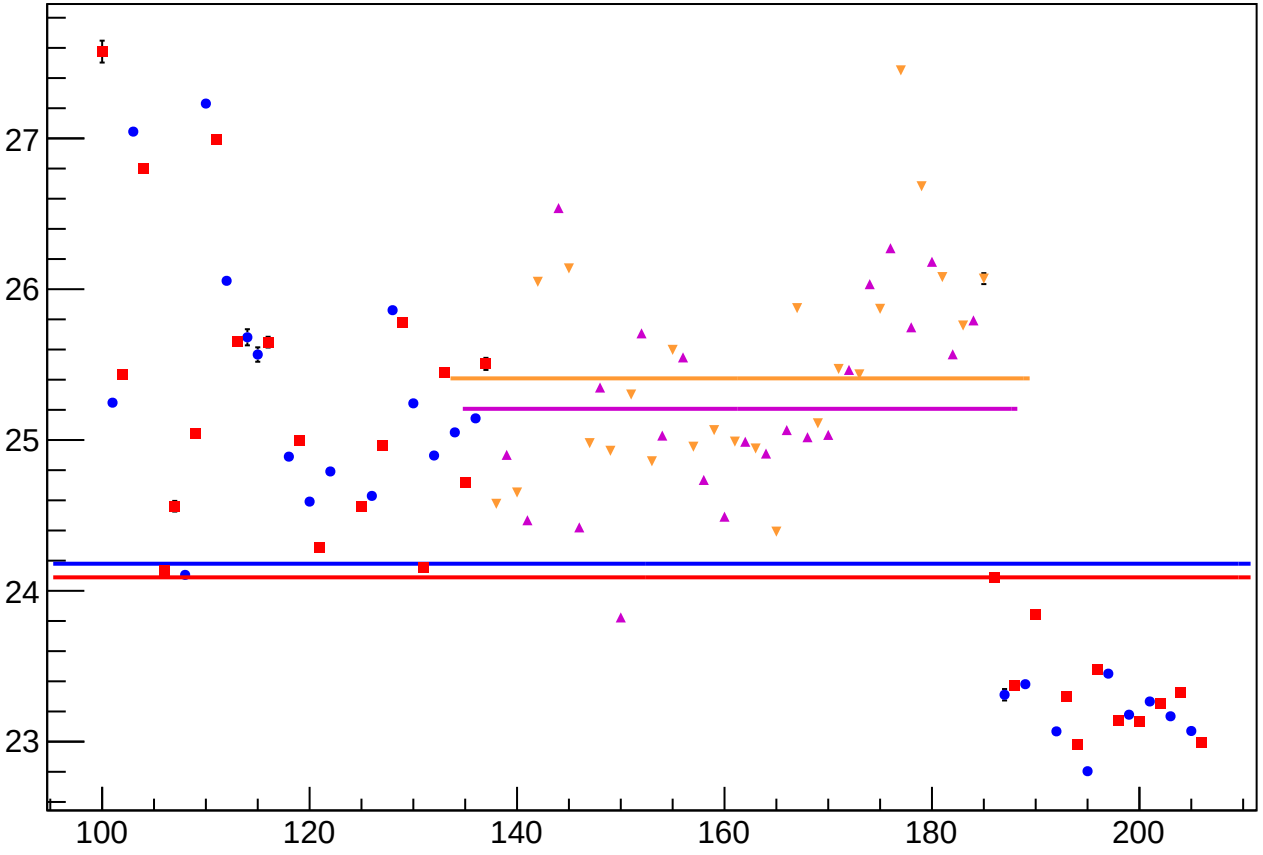
Left In: -1.850+/-5.893 χ^2/NDF:28.1/22

+ sign 1.425+/-4.355 χ^2/NDF: 55.9/48

All: -1.784+/-3.027 χ^2/NDF: 110.9/100

- sign -4.783+/-4.210 χ^2/NDF: 54.0/51

asym_bcm_dg_us_dg_ds_dd_rms vs Slug



Right In: 24.180+/-0.005 χ^2/NDF: 71967.0/24

Left Out: 25.409+/-0.004 χ^2/NDF:26863.6/23

Right Out: 24.089+/-0.004 χ^2/NDF: 68873.3/28

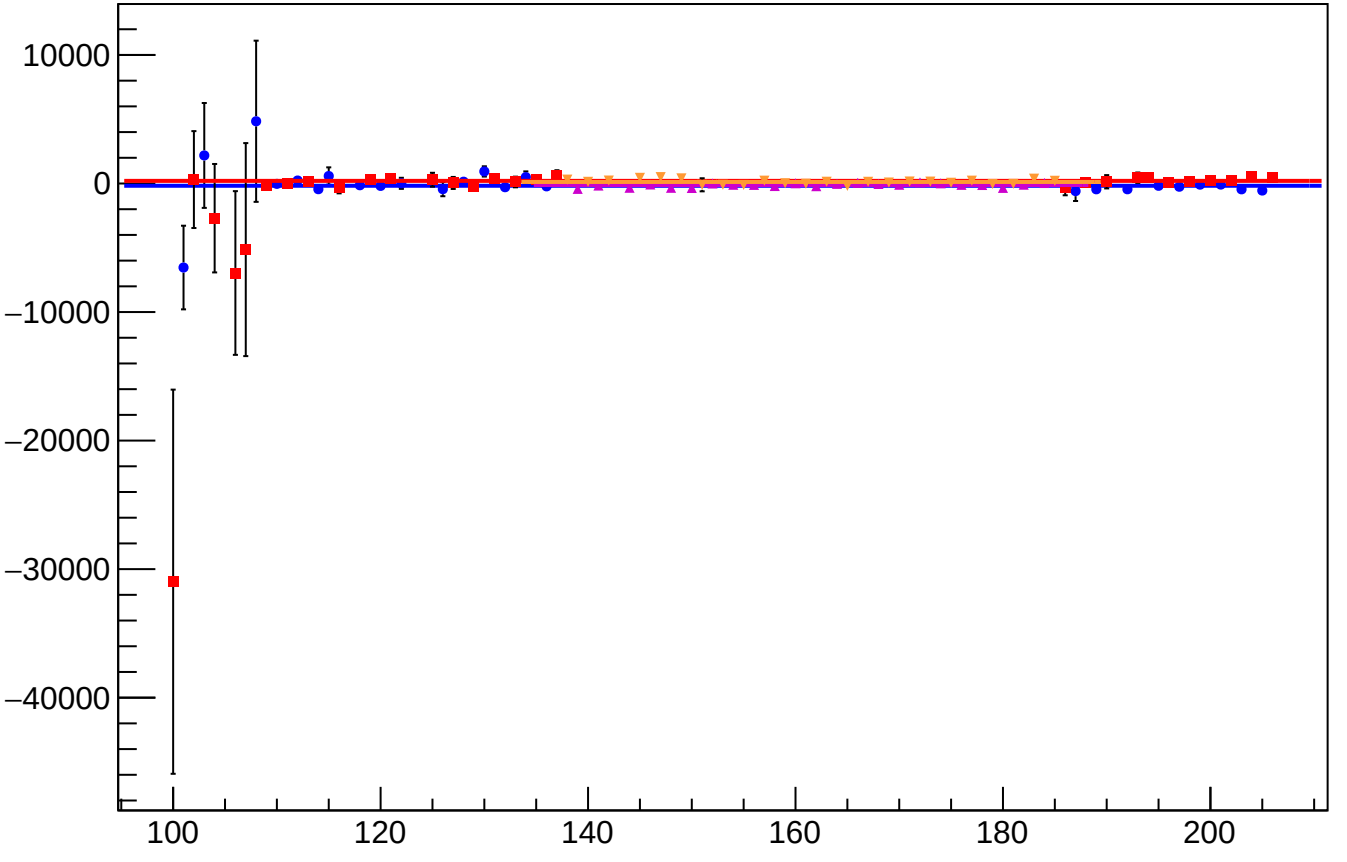
Left In: 25.207+/-0.004 χ^2/NDF:25827.4/22

+ sign 24.848+/-0.003 χ^2/NDF: 138351.0/48

All: 24.751+/-0.002 χ^2/NDF: 270205.0/100

- sign 24.660+/-0.003 χ^2/NDF: 129915.0/51

asym_bcm_cav4cQ_an_ds_avg_mean vs Slug



Right In: -175.717+/-51.327 χ^2/NDF: 31.3/24

Left Out: 120.221+/-47.440 χ^2/NDF:11.9/23

Right Out: 204.571+/-48.344 χ^2/NDF: 24.7/28

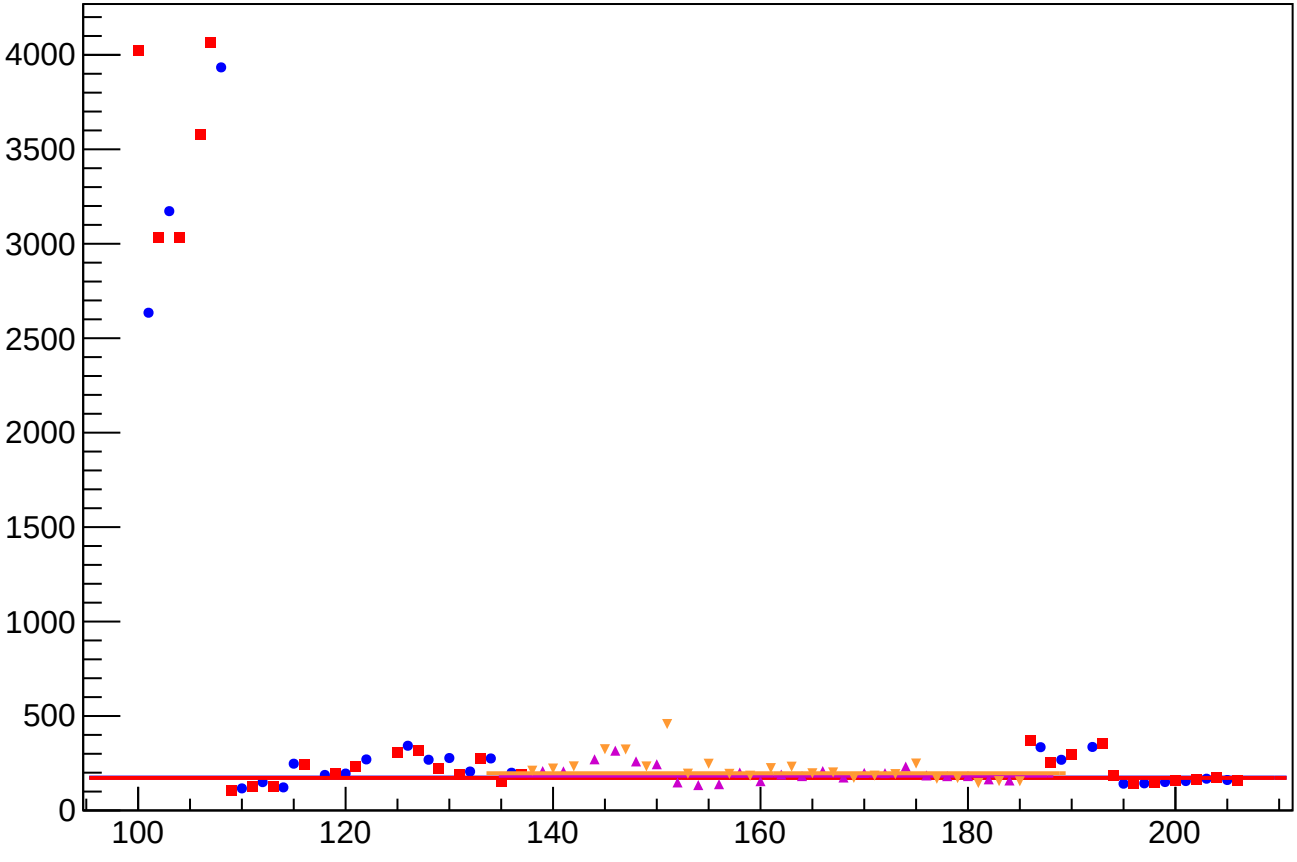
Left In: -116.243+/-44.786 χ^2/NDF:8.4/22

+ sign -16.121+/-34.838 χ^2/NDF: 61.2/48

All: 9.309+/-23.902 χ^2/NDF: 119.0/100

- sign 31.925+/-32.854 χ^2/NDF: 56.8/51

asym_bcm_cav4cQ_an_ds_avg_rms vs Slug



Right In: 173.826+/-0.036 χ^2/NDF: 4828451.1/24

Left Out: 196.935+/-0.034 χ^2/NDF:1809266.5/23

Right Out: 172.263+/-0.034 χ^2/NDF: 5355940.8/28

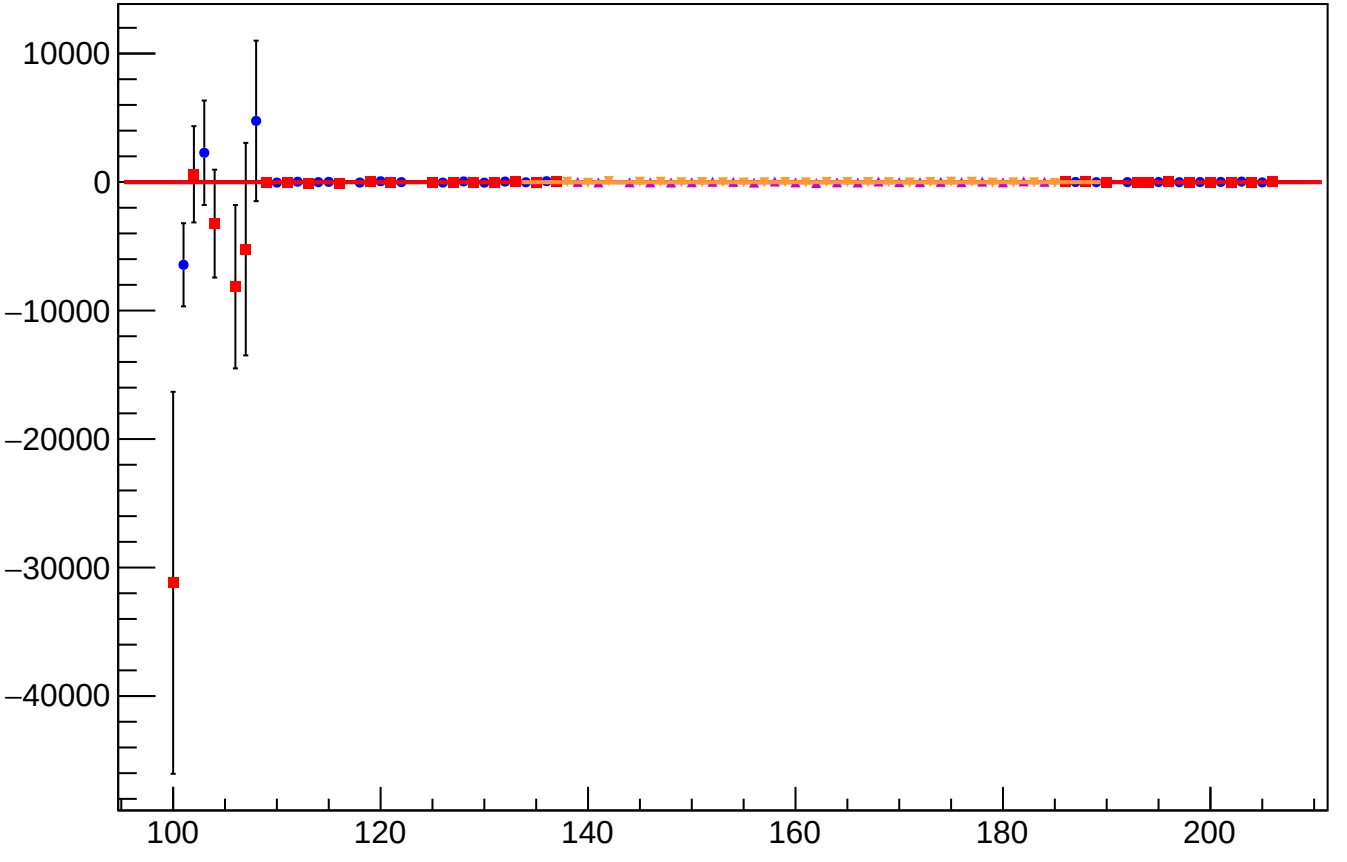
Left In: 184.051+/-0.032 χ^2/NDF:1445426.0/22

+ sign 186.289+/-0.025 χ^2/NDF: 6856357.7/48

All: 182.223+/-0.017 χ^2/NDF: 13773185.3/10

- sign 178.607+/-0.023 χ^2/NDF: 6865358.5/51

asym_bcm_cav4cQ_an_ds_dd_mean vs Slug



Right In: 1.829+/-7.762 χ^2/NDF: 21.2/24

Left Out: -11.111+/-6.653 χ^2/NDF:17.5/23

Right Out: -11.776+/-7.359 χ^2/NDF: 30.4/28

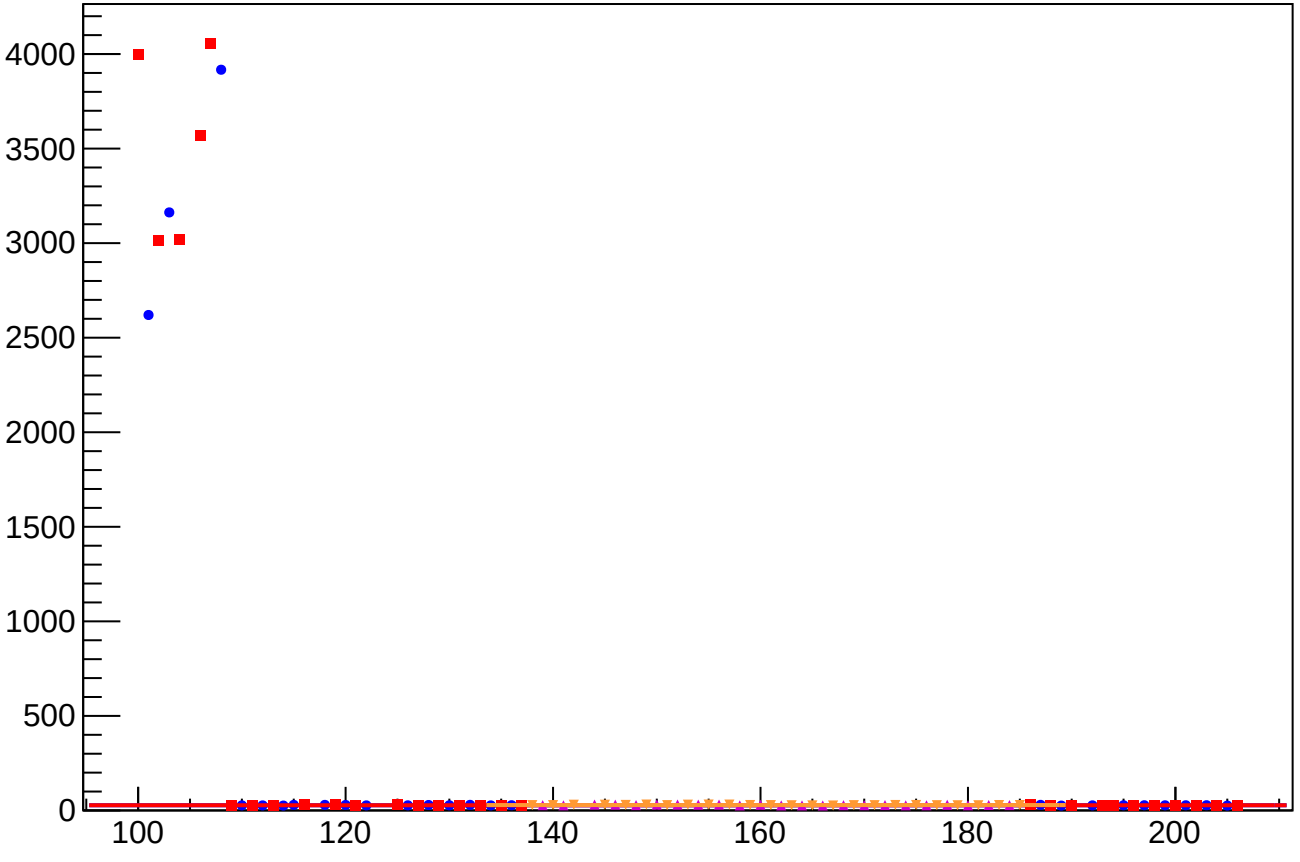
Left In: -2.576+/-6.732 χ^2/NDF:22.2/22

+ sign -5.631+/-5.051 χ^2/NDF: 40.3/48

All: -6.209+/-3.542 χ^2/NDF: 93.8/100

- sign -6.768+/-4.967 χ^2/NDF: 53.5/51

asym_bcm_cav4cQ_an_ds_dd_rms vs Slug



Right In: 27.376+/-0.005 χ^2/NDF: 3283296.9/24

Left Out: 28.592+/-0.005 χ^2/NDF:80997.4/23

Right Out: 27.485+/-0.005 χ^2/NDF: 3582291.6/28

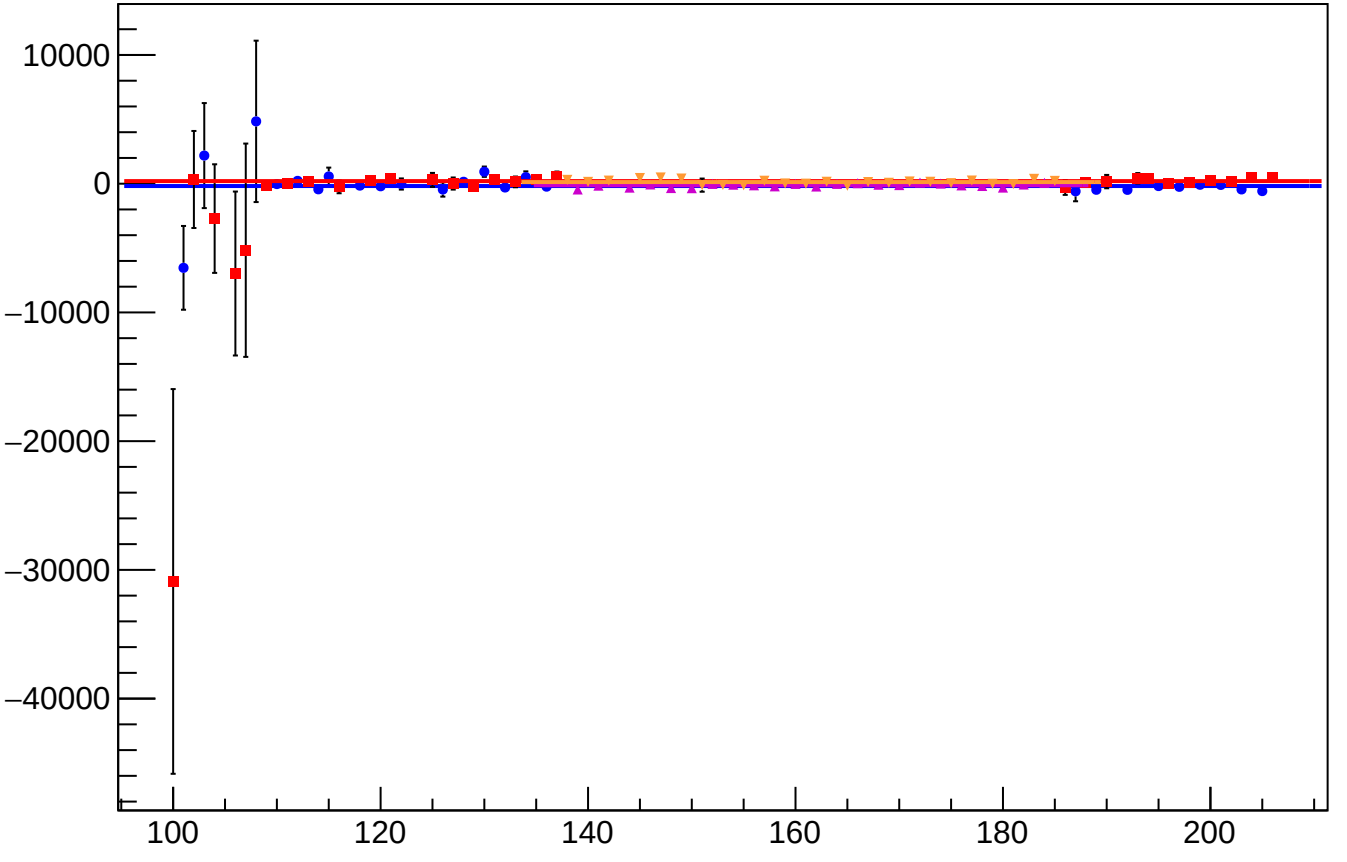
Left In: 28.728+/-0.005 χ^2/NDF:127383.0/22

\+ sign 28.077+/-0.004 χ^2/NDF: 3392604.0/48

All: 28.120+/-0.003 χ^2/NDF: 7133630.7/100

\- sign 28.161+/-0.004 χ^2/NDF: 3740744.8/51

asym_bcm_cav4cQ_dg_ds_avg_mean vs Slug



Right In: -181.898+/-51.555 χ^2/NDF: 31.5/24

Left Out: 126.373+/-47.852 χ^2/NDF:11.6/23

Right Out: 202.010+/-48.539 χ^2/NDF: 23.0/28

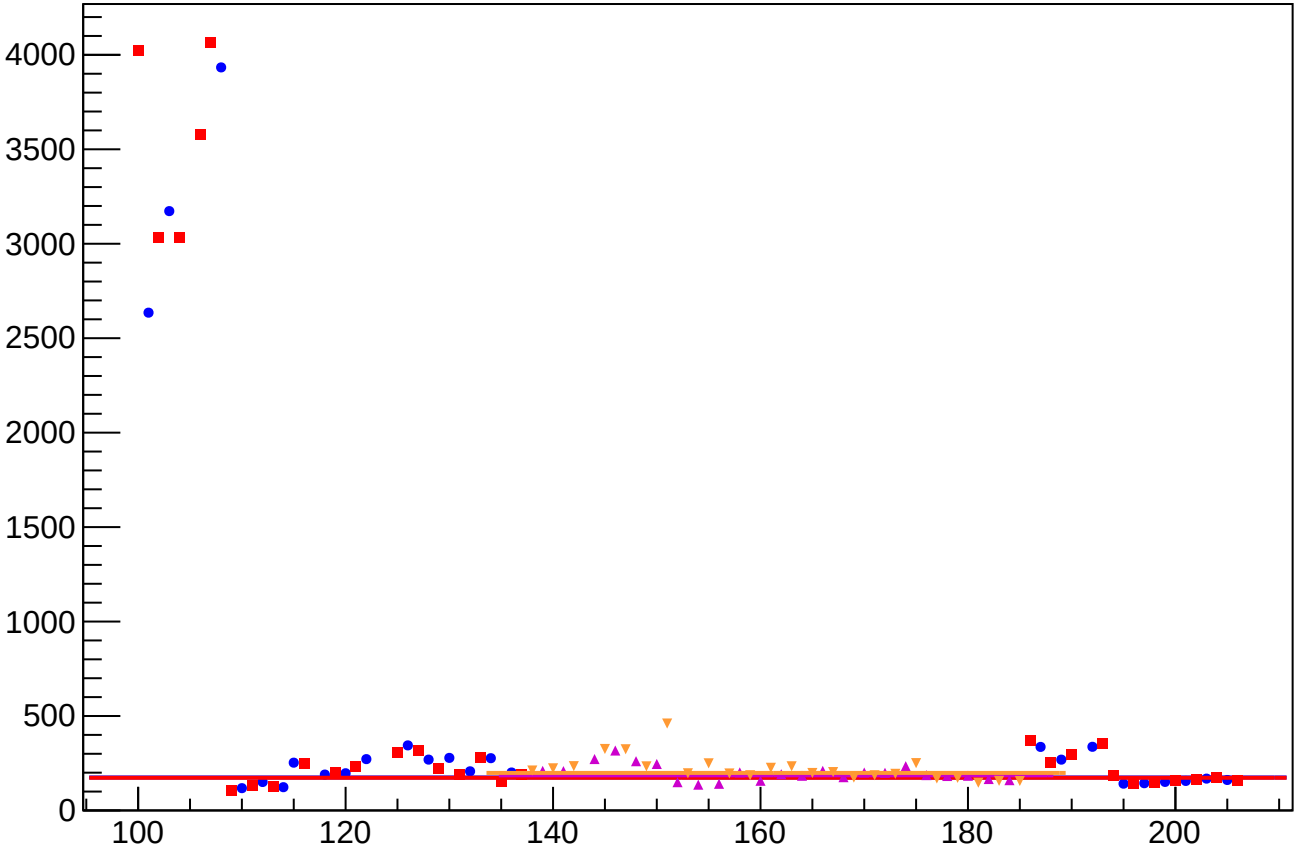
Left In: -122.809+/-45.199 χ^2/NDF:8.0/22

+ sign -16.295+/-35.073 χ^2/NDF: 62.4/48

All: 7.170+/-24.064 χ^2/NDF: 118.2/100

- sign 28.041+/-33.078 χ^2/NDF: 55.0/51

asym_bcm_cav4cQ_dg_ds_avg_rms vs Slug



Right In: 174.617+/-0.036 χ^2/NDF: 4825366.6/24

Left Out: 198.736+/-0.034 χ^2/NDF:1786406.6/23

Right Out: 173.003+/-0.034 χ^2/NDF: 5345301.2/28

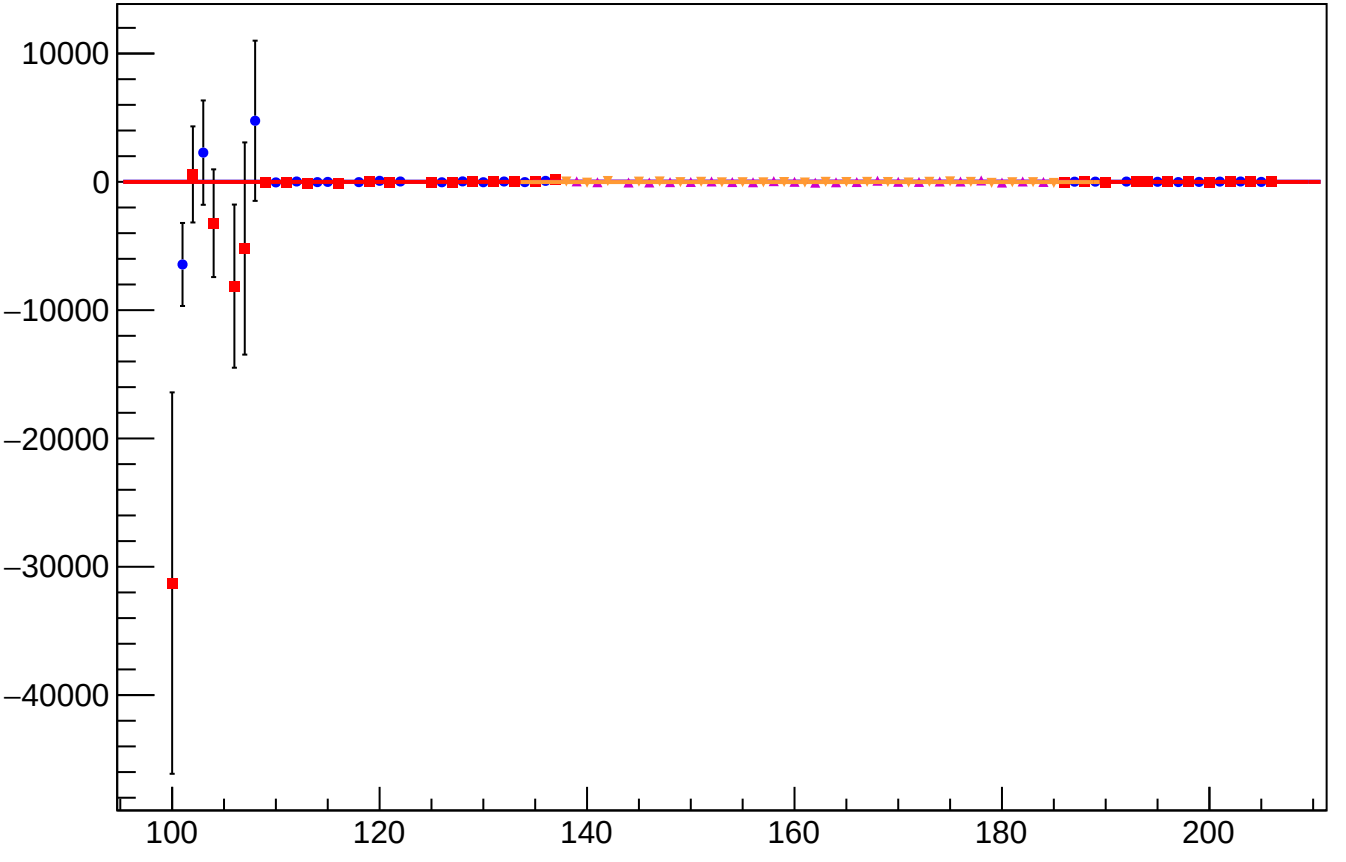
Left In: 185.871+/-0.032 χ^2/NDF:1405525.2/22

+ sign 187.574+/-0.025 χ^2/NDF: 6846916.0/48

All: 183.510+/-0.017 χ^2/NDF: 13723760.2/10

- sign 179.895+/-0.023 χ^2/NDF: 6826110.7/51

asym_bcm_cav4cQ_dg_ds_dd_mean vs Slug



Right In: 10.061+/-8.579 χ^2/NDF: 17.2/24

Left Out: -18.187+/-7.260 χ^2/NDF:20.3/23

Right Out: -5.879+/-8.118 χ^2/NDF: 37.7/28

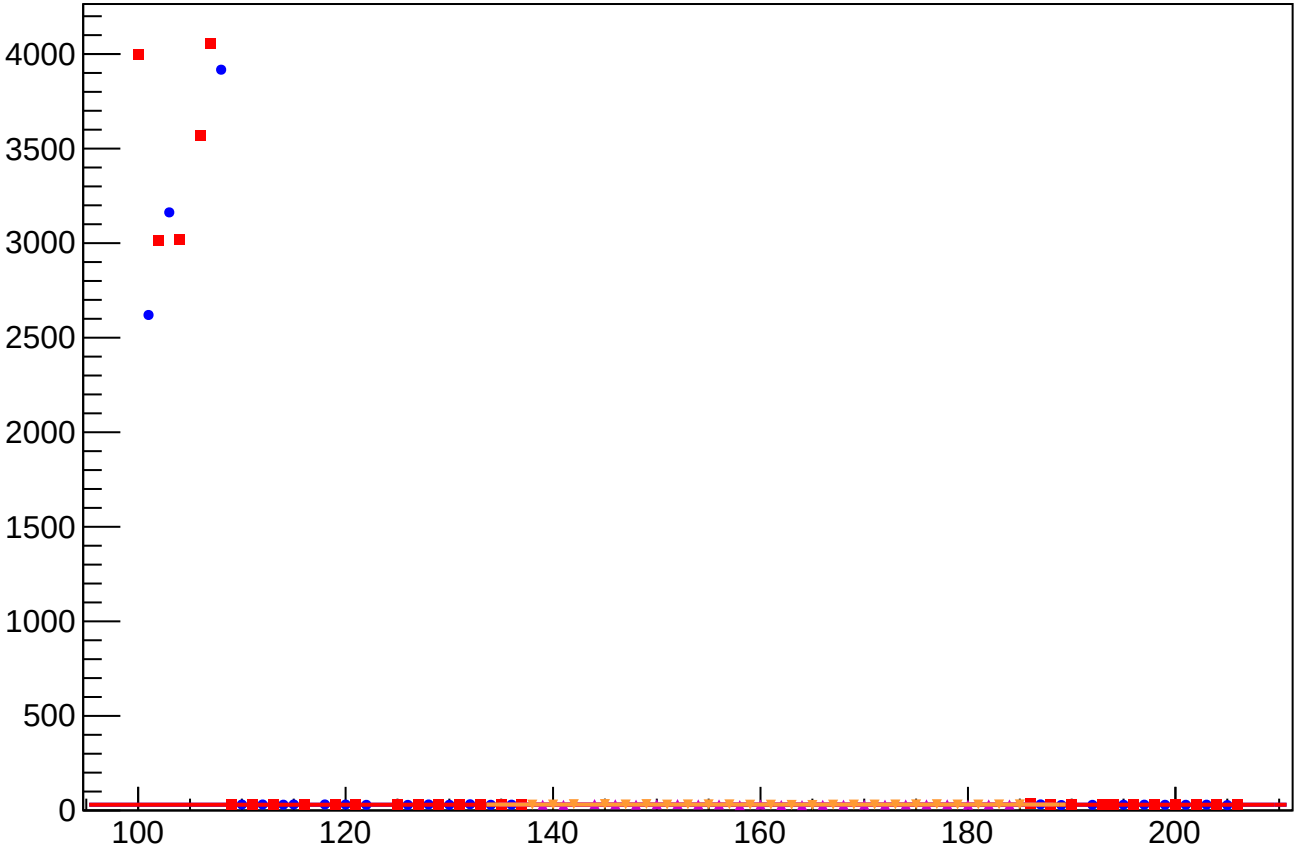
Left In: 2.709+/-7.348 χ^2/NDF:35.5/22

+ sign -6.401+/-5.542 χ^2/NDF: 43.8/48

All: -3.735+/-3.885 χ^2/NDF: 118.2/100

- sign -1.158+/-5.448 χ^2/NDF: 73.9/51

asym_bcm_cav4cQ_dg_ds_dd_rms vs Slug



Right In: 30.272+/-0.006 χ^2/NDF: 3271780.6/24

Left Out: 31.221+/-0.005 χ^2/NDF:47423.0/23

Right Out: 30.340+/-0.006 χ^2/NDF: 3560858.4/28

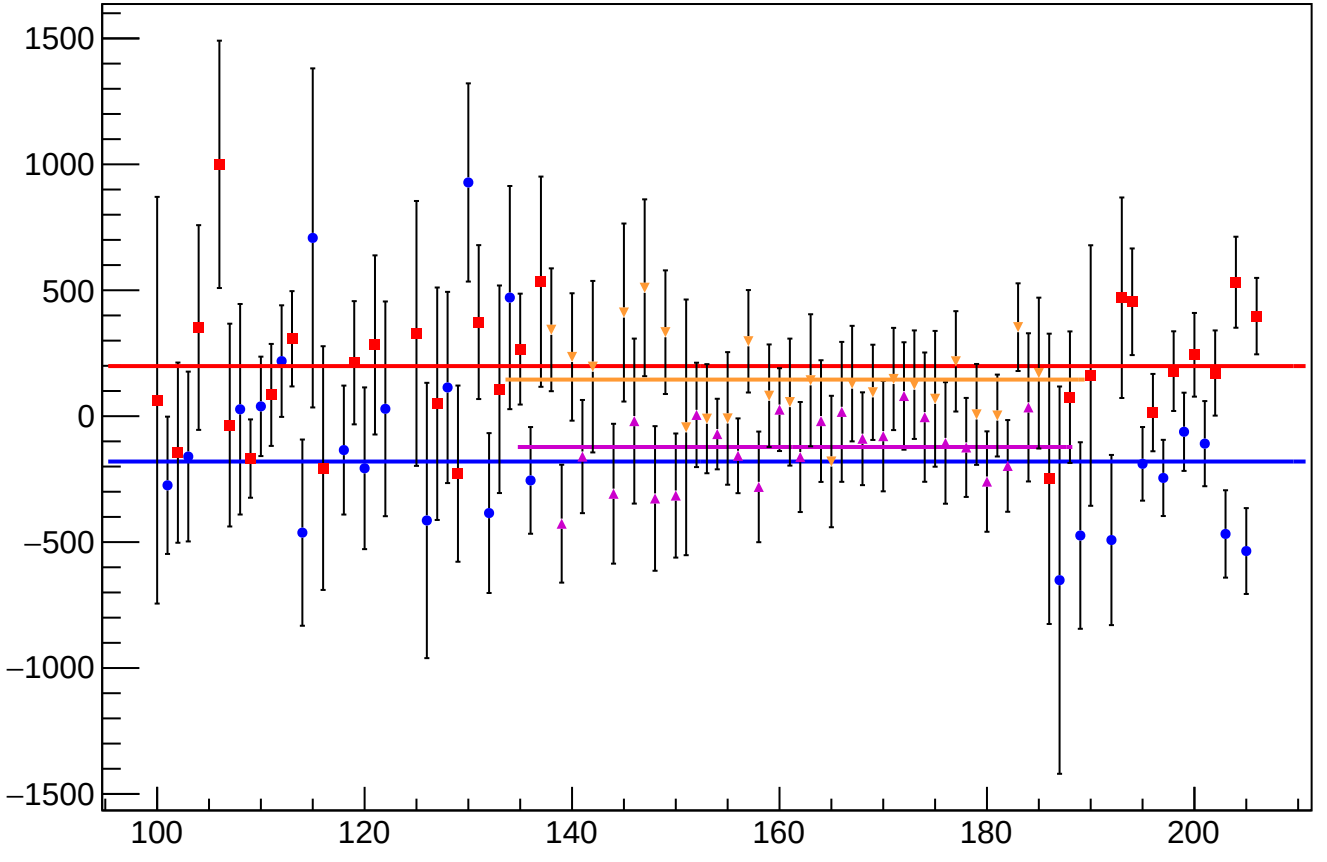
Left In: 31.379+/-0.005 χ^2/NDF:85229.7/22

+ sign 30.825+/-0.004 χ^2/NDF: 3333486.7/48

All: 30.869+/-0.003 χ^2/NDF: 6997844.4/100

- sign 30.911+/-0.004 χ^2/NDF: 3664111.9/51

asym_bcm_dg_us_an_us_avg_mean vs Slug



Right In: -180.061+/-48.771 χ^2/NDF: 28.8/24

Left Out: 145.314+/-47.390 χ^2/NDF:9.4/23

Right Out: 198.907+/-45.391 χ^2/NDF: 23.3/28

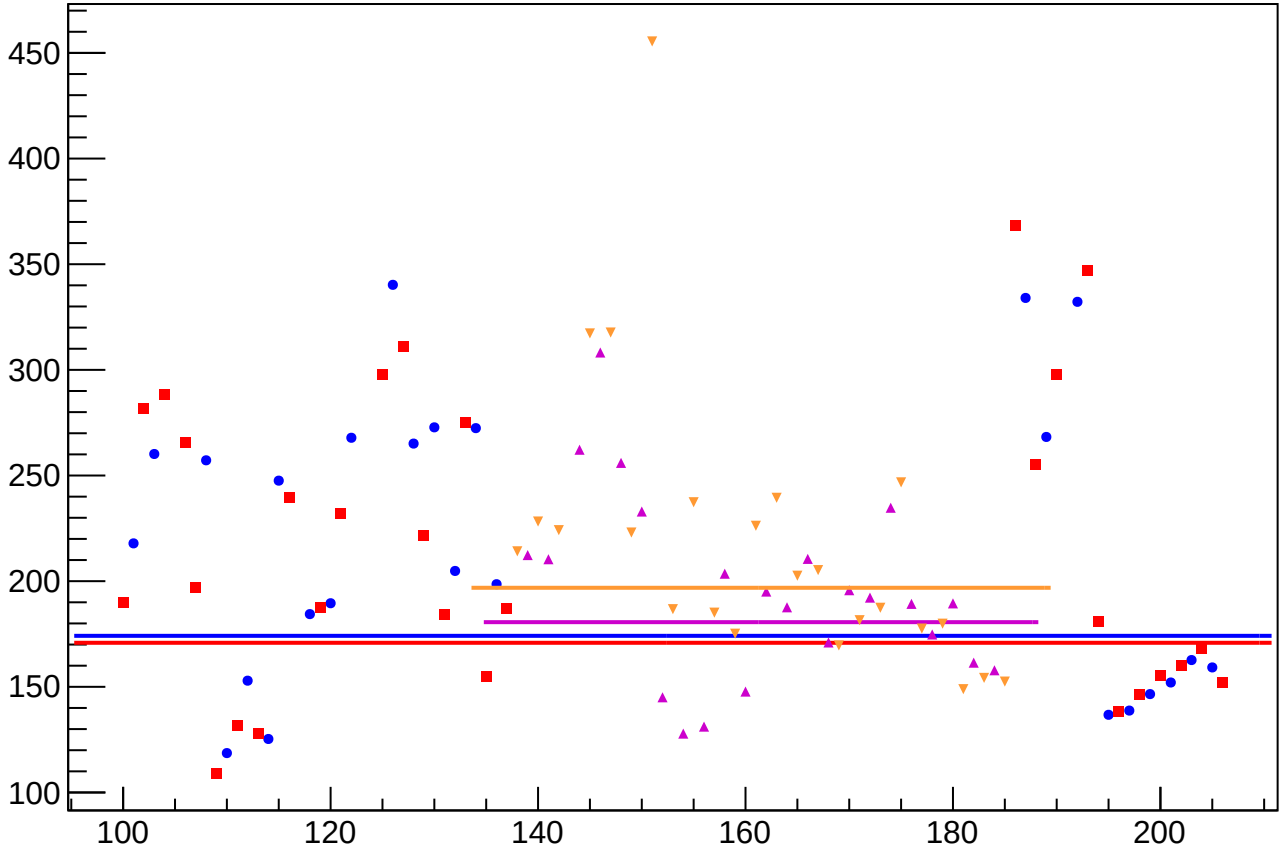
Left In: -122.376+/-44.081 χ^2/NDF:7.9/22

\+ sign -12.703+/-33.988 χ^2/NDF: 61.0/48

All: 12.095+/-23.152 χ^2/NDF: 118.9/100

\- sign 33.564+/-31.623 χ^2/NDF: 56.9/51

asym_bcm_dg_us_an_us_avg_rms vs Slug



Right In: 174.133+/-0.034 χ^2/NDF: 2184458.1/24

Left Out: 196.873+/-0.034 χ^2/NDF:1725106.9/23

Right Out: 170.841+/-0.032 χ^2/NDF: 2690579.4/28

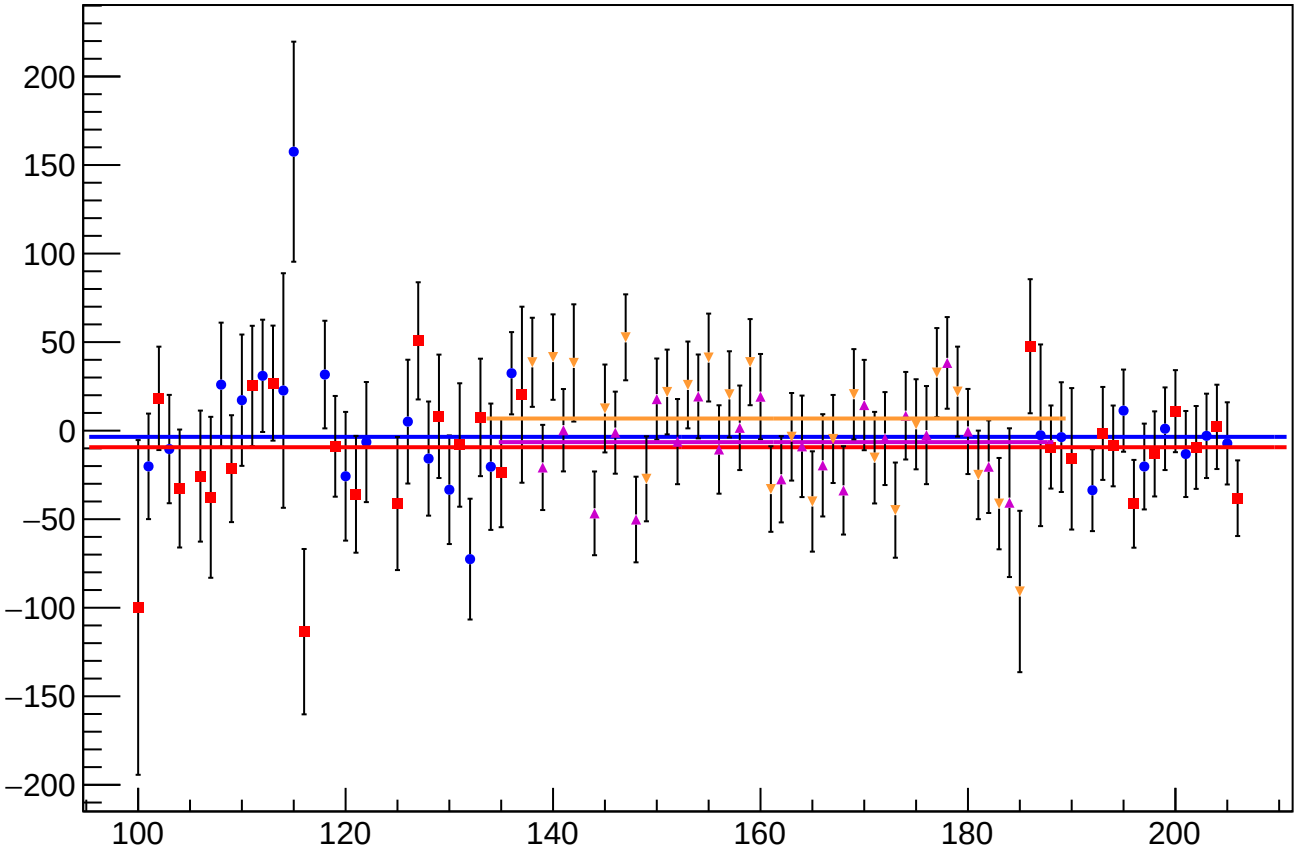
Left In: 180.601+/-0.031 χ^2/NDF:1628072.3/22

+ sign 185.830+/-0.024 χ^2/NDF: 4133195.8/48

All: 180.488+/-0.016 χ^2/NDF: 8591596.5/100

- sign 175.864+/-0.022 χ^2/NDF: 4366240.6/51

asym_bcm_dg_us_an_us_dd_mean vs Slug



Right In: -3.504+/-5.947 χ^2/NDF: 21.8/24

Left Out: 6.857+/-5.229 χ^2/NDF:36.8/23

Right Out: -9.358+/-5.583 χ^2/NDF: 22.9/28

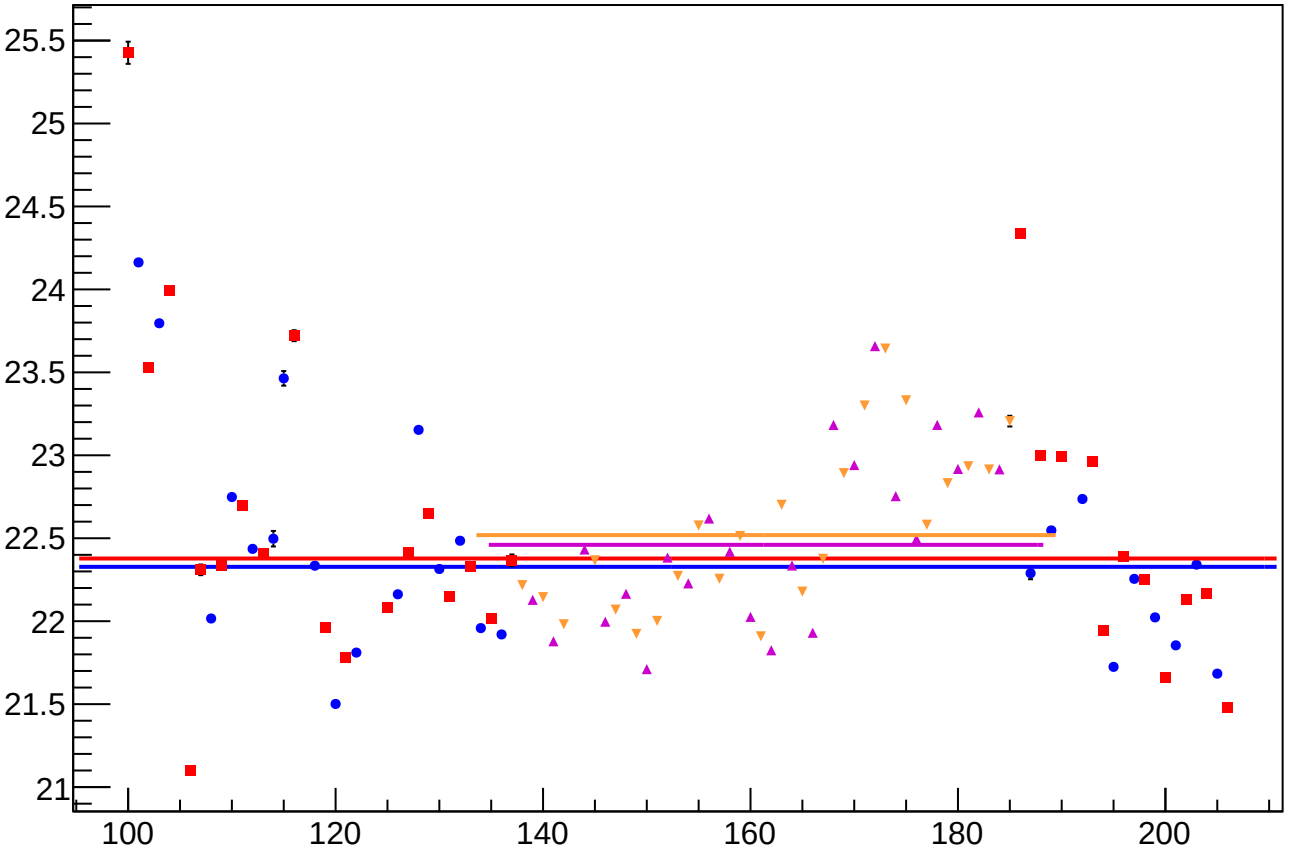
Left In: -6.482+/-5.247 χ^2/NDF:17.4/22

+ sign 2.339+/-3.927 χ^2/NDF: 60.4/48

All: -2.881+/-2.739 χ^2/NDF: 104.4/100

- sign -7.831+/-3.823 χ^2/NDF: 40.5/51

asym_bcm_dg_us_an_us_dd_rms vs Slug



Right In: 22.328+/-0.004 χ^2/NDF: 21780.2/24

Left Out: 22.519+/-0.004 χ^2/NDF:15998.2/23

Right Out: 22.378+/-0.004 χ^2/NDF: 30661.8/28

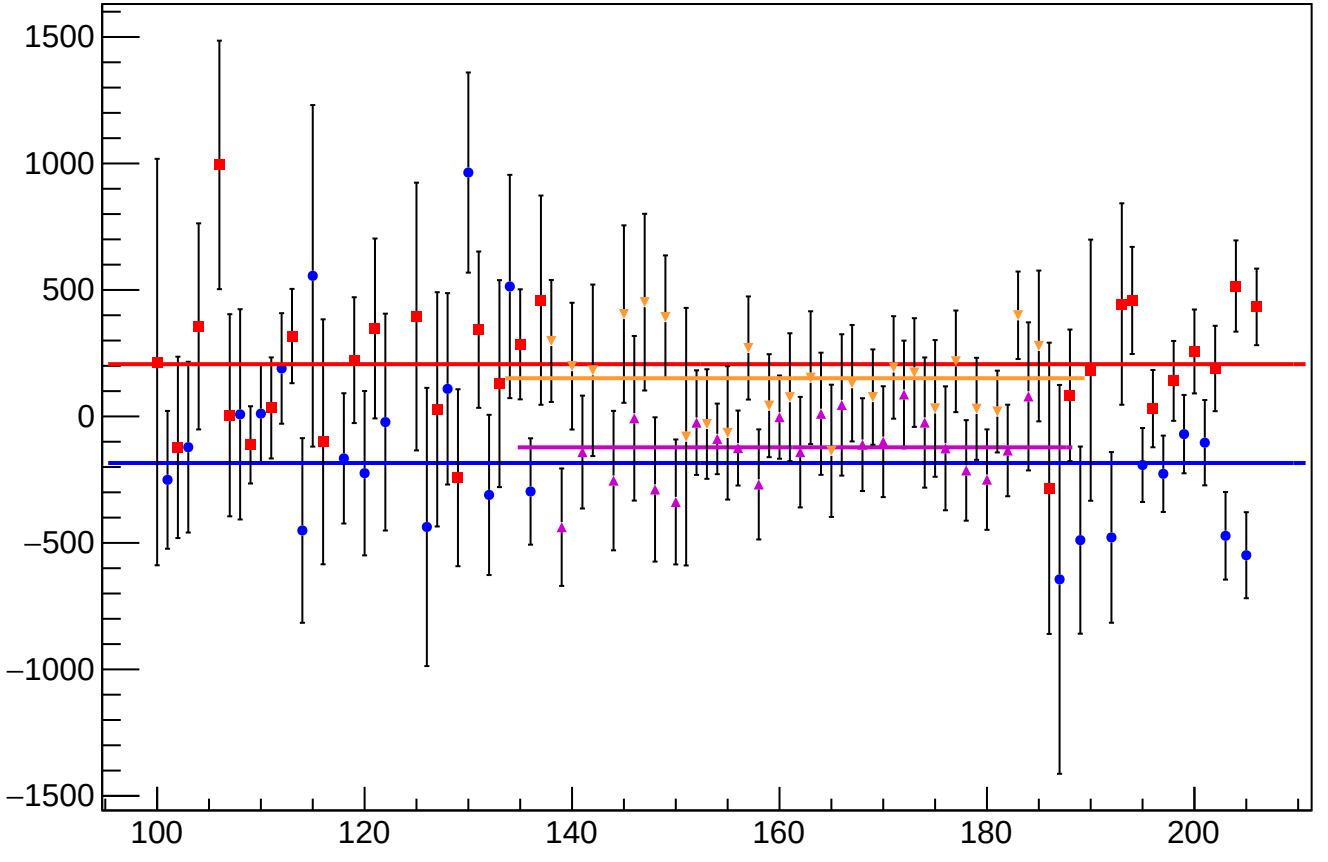
Left In: 22.460+/-0.004 χ^2/NDF:19117.2/22

+ sign 22.436+/-0.003 χ^2/NDF: 38946.2/48

All: 22.428+/-0.002 χ^2/NDF: 88969.0/100

- sign 22.422+/-0.003 χ^2/NDF: 50009.9/51

asym_bcm_dg_ds_an_us_avg_mean vs Slug



Right In: -184.042+/-48.630 χ^2/NDF: 28.3/24

Left Out: 151.108+/-47.316 χ^2/NDF:10.0/23

Right Out: 206.657+/-45.190 χ^2/NDF: 22.0/28

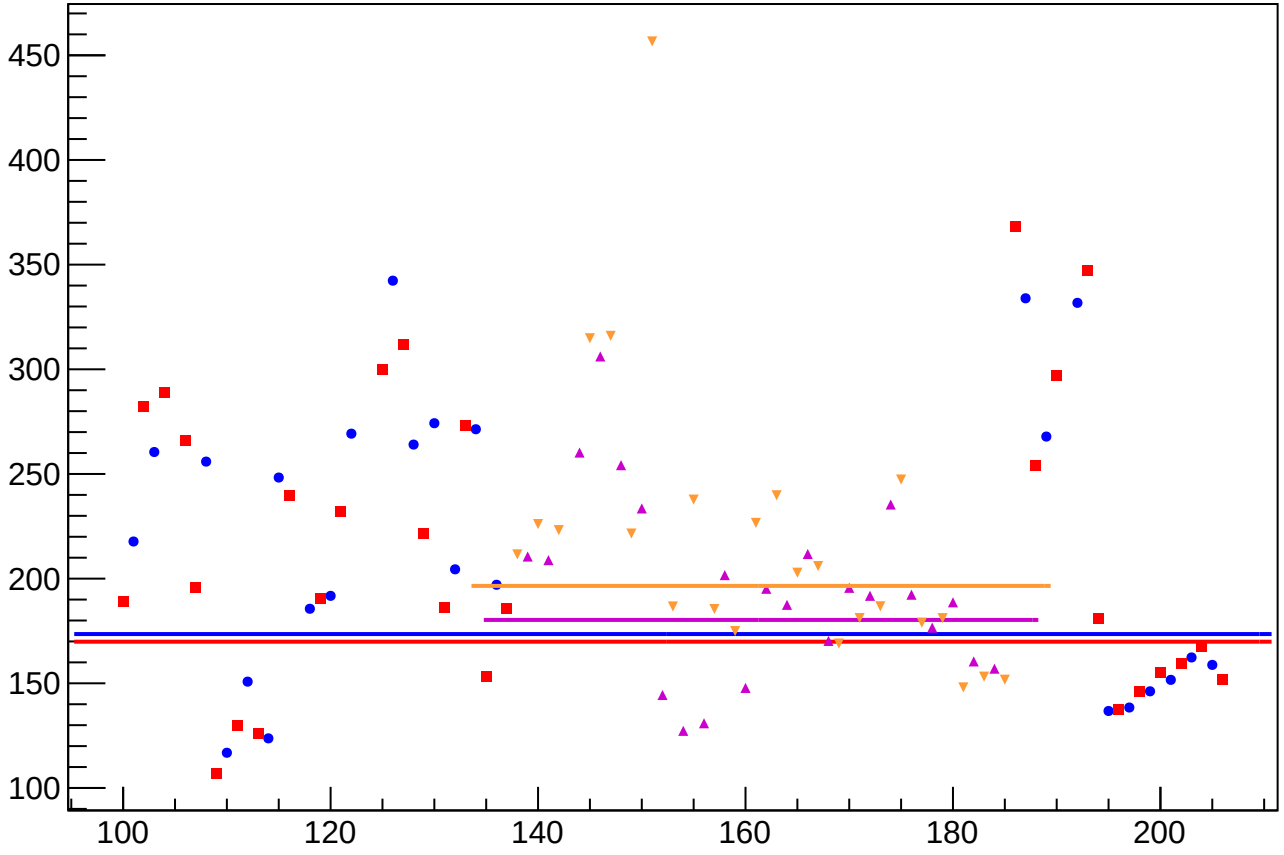
Left In: -122.165+/-44.006 χ^2/NDF:7.5/22

+ sign -11.876+/-33.913 χ^2/NDF: 62.7/48

All: 14.814+/-23.090 χ^2/NDF: 120.5/100

- sign 37.881+/-31.527 χ^2/NDF: 56.6/51

asym_bcm_dg_ds_an_us_avg_rms vs Slug



Right In: 173.527+/-0.034 χ^2/NDF: 2214111.4/24

Left Out: 196.533+/-0.033 χ^2/NDF:1727888.6/23

Right Out: 169.875+/-0.032 χ^2/NDF: 2759453.1/28

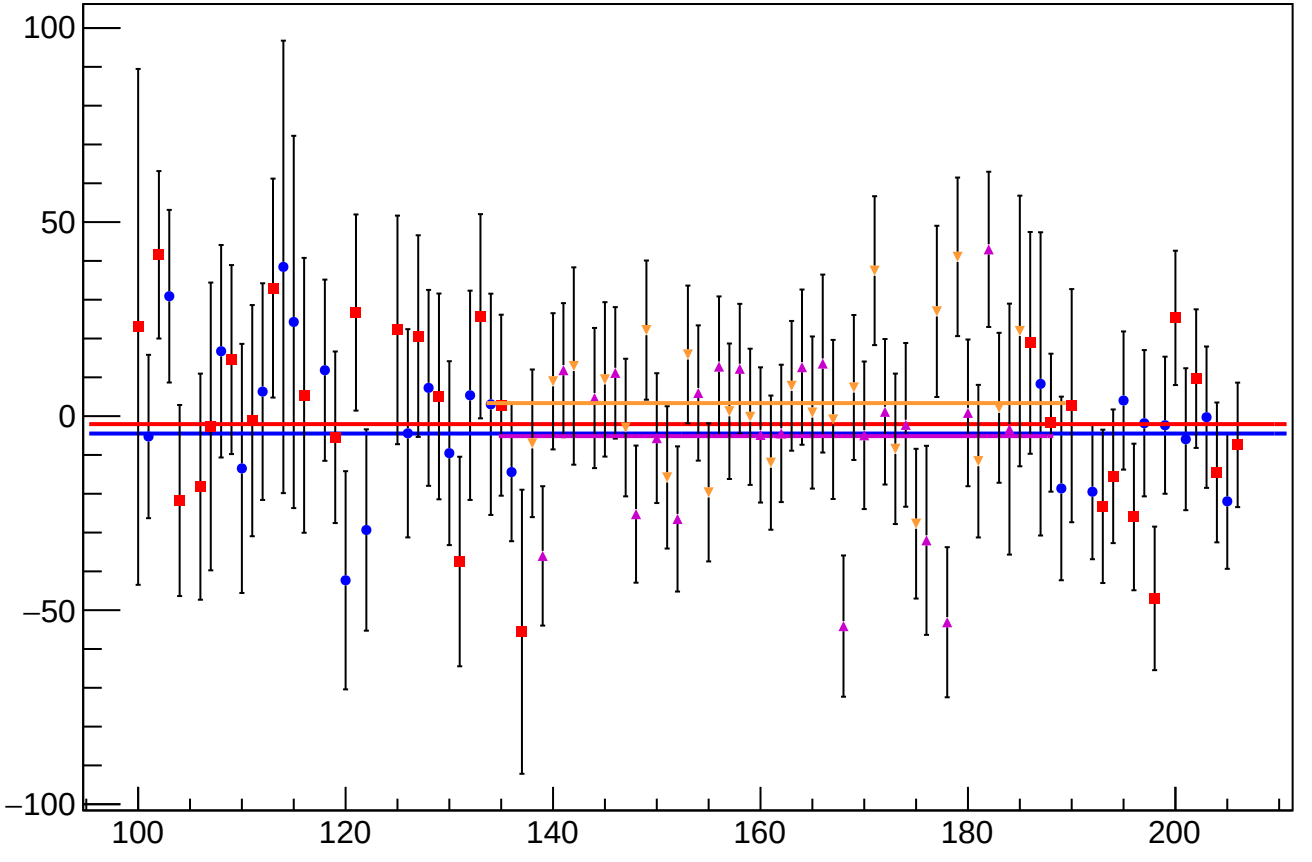
Left In: 180.274+/-0.031 χ^2/NDF:1624682.7/22

+ sign 185.345+/-0.024 χ^2/NDF: 4171941.6/48

All: 179.910+/-0.016 χ^2/NDF: 8706203.7/100

- sign 175.213+/-0.022 χ^2/NDF: 4438493.4/51

asym_bcm_dg_ds_an_us_dd_mean vs Slug



Right In: -4.485+/-4.568 χ^2/NDF: 10.8/24

Left Out: 3.359+/-3.905 χ^2/NDF:17.7/23

Right Out: -2.055+/-4.285 χ^2/NDF: 28.4/28

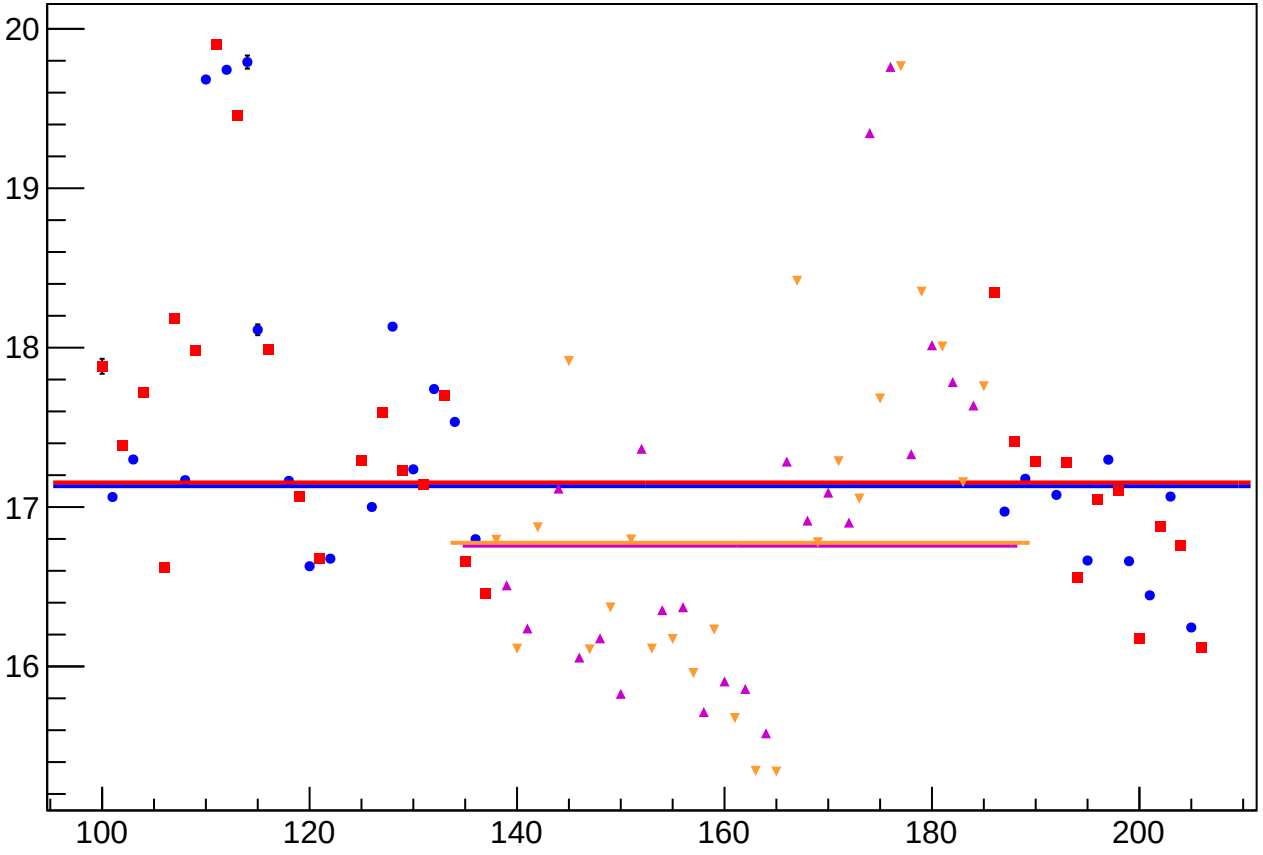
Left In: -5.150+/-3.924 χ^2/NDF:32.3/22

+ sign 0.048+/-2.968 χ^2/NDF: 30.2/48

All: -1.893+/-2.072 χ^2/NDF: 92.0/100

- sign -3.738+/-2.894 χ^2/NDF: 61.0/51

asym_bcm_dg_ds_an_us_dd_rms vs Slug



Right In: 17.131+/-0.003 χ^2/NDF: 52944.8/24

Left Out: 16.776+/-0.003 χ^2/NDF:136142.5/23

Right Out: 17.154+/-0.003 χ^2/NDF: 64025.3/28

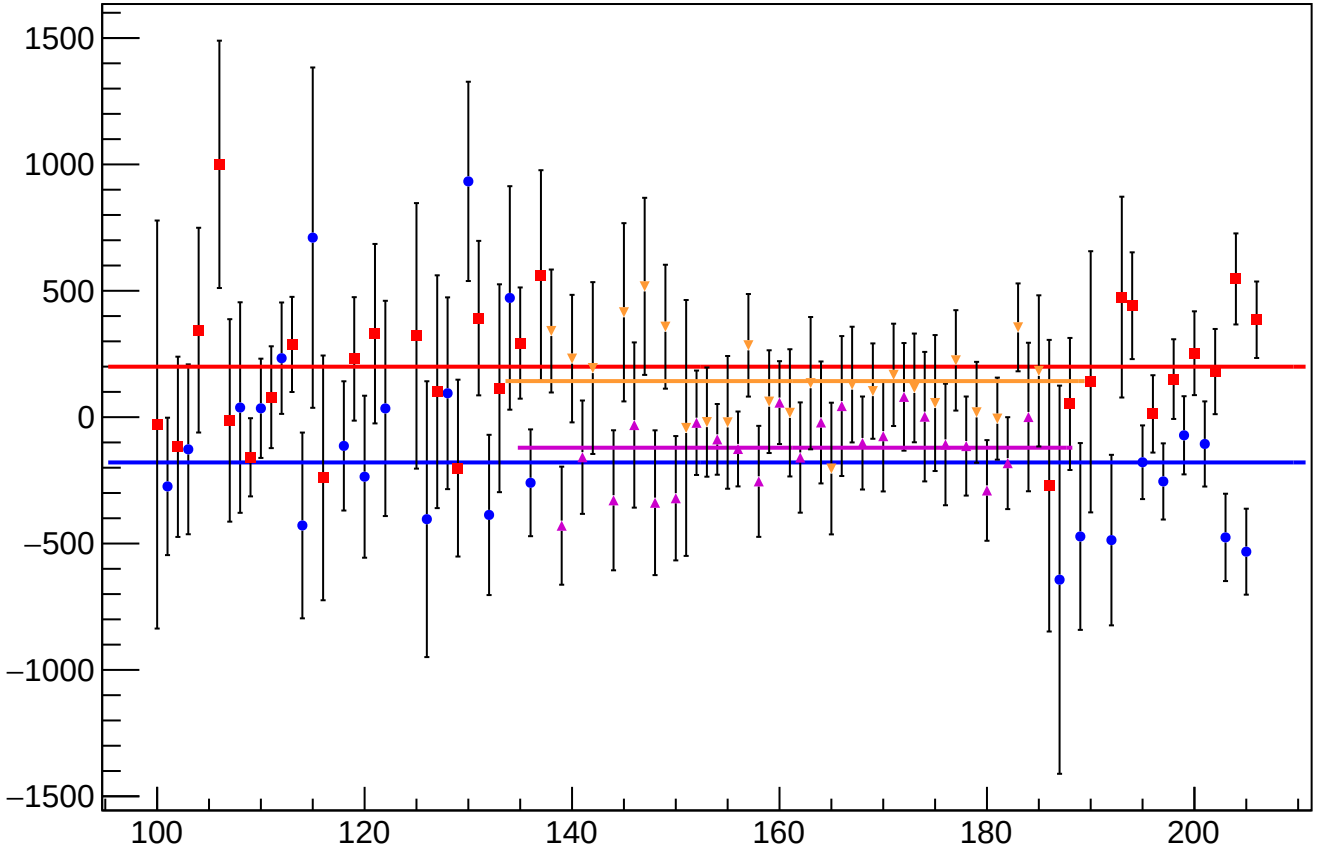
Left In: 16.758+/-0.003 χ^2/NDF:123306.8/22

\+ sign 16.926+/-0.002 χ^2/NDF: 196075.0/48

All: 16.932+/-0.001 χ^2/NDF: 392746.0/100

\- sign 16.939+/-0.002 χ^2/NDF: 196651.3/51

asym_bcm_dg_us_an_ds_avg_mean vs Slug



Right In: -179.117+/-48.620 χ^2/NDF: 29.0/24

Left Out: 142.696+/-47.288 χ^2/NDF:10.2/23

Right Out: 199.710+/-45.258 χ^2/NDF: 23.4/28

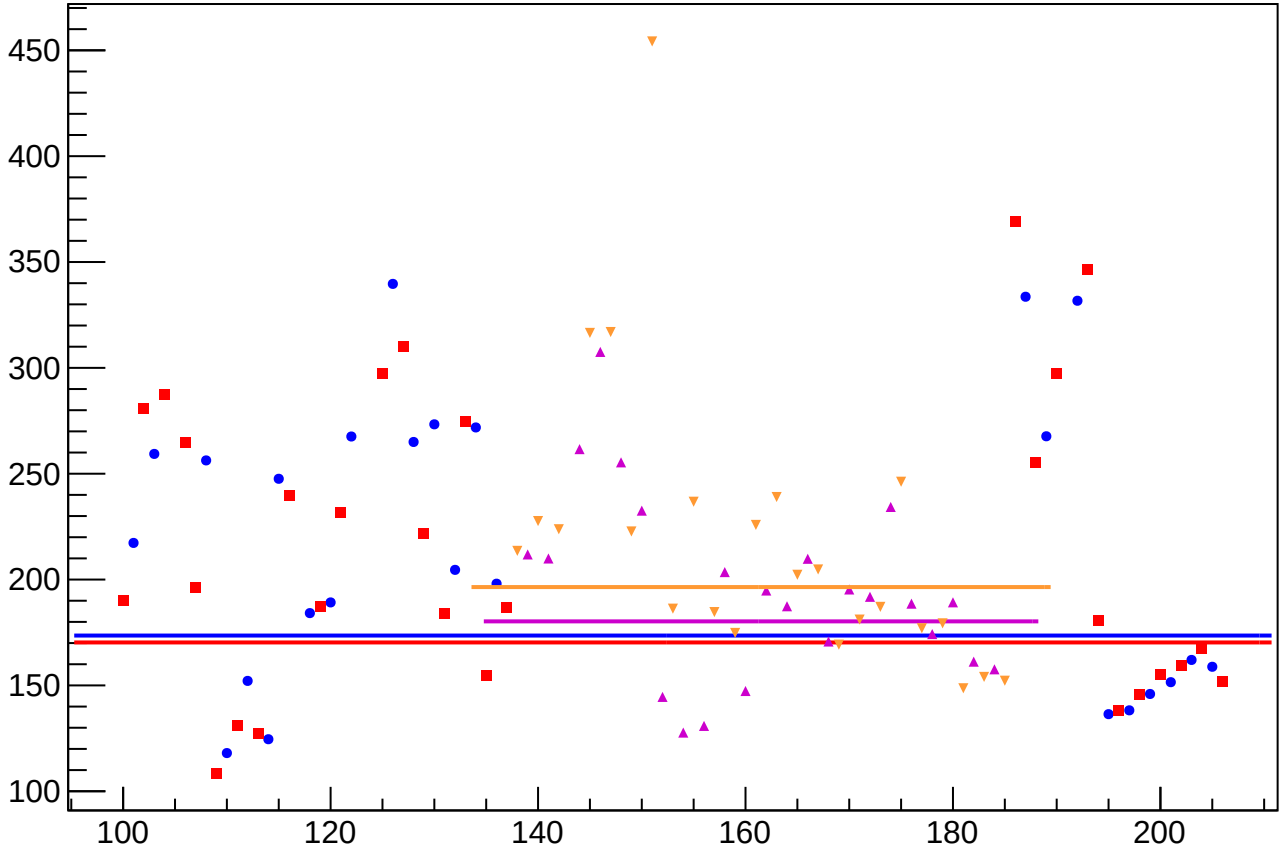
Left In: -120.888+/-43.994 χ^2/NDF:8.2/22

\+ sign -13.741+/-33.899 χ^2/NDF: 61.7/48

All: 12.312+/-23.093 χ^2/NDF: 120.2/100

\- sign 34.874+/-31.546 χ^2/NDF: 57.4/51

asym_bcm_dg_us_an_ds_avg_rms vs Slug



Right In: 173.551+/-0.034 χ^2/NDF: 2197484.5/24

Left Out: 196.452+/-0.033 χ^2/NDF:1723529.1/23

Right Out: 170.293+/-0.032 χ^2/NDF: 2707230.1/28

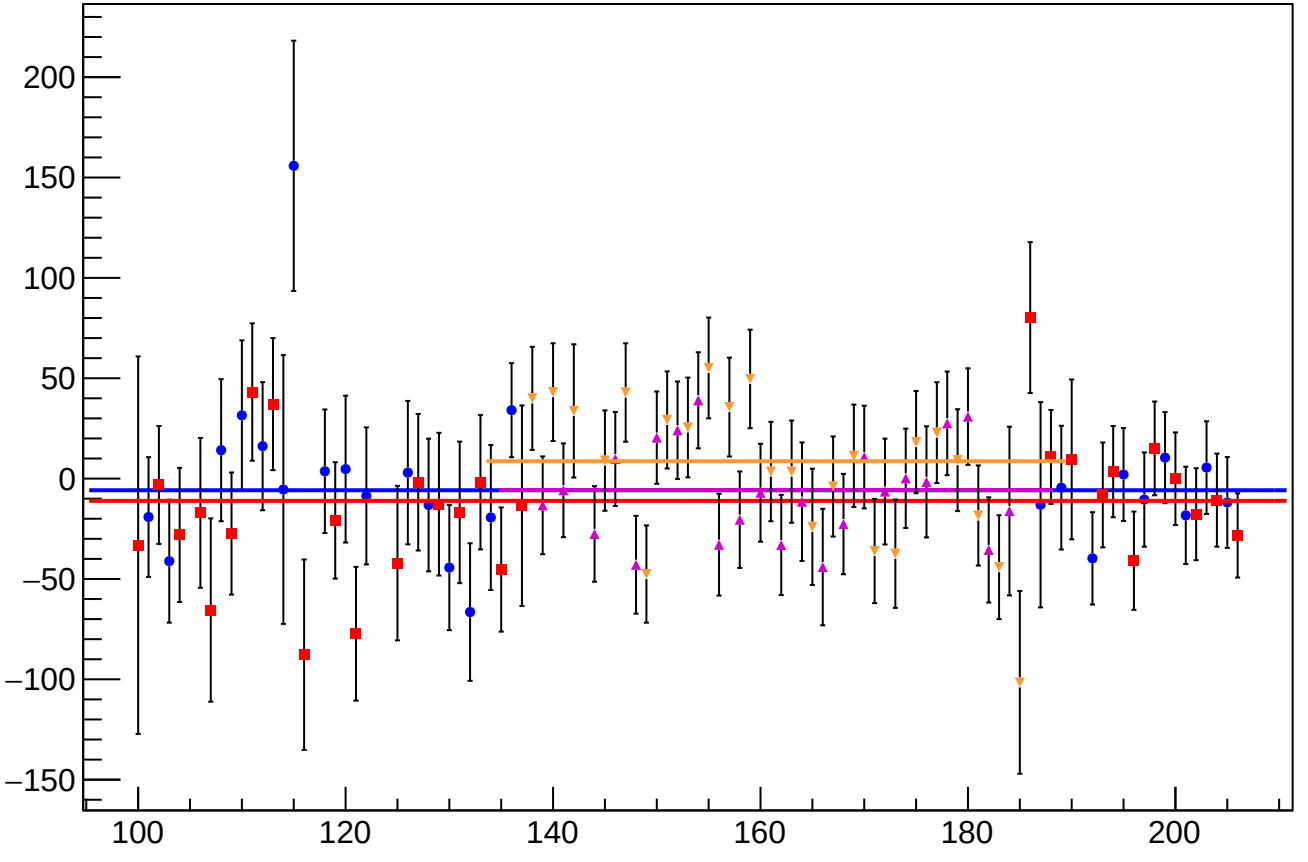
Left In: 180.248+/-0.031 χ^2/NDF:1627777.0/22

+ sign 185.320+/-0.024 χ^2/NDF: 4149031.3/48

All: 180.010+/-0.016 χ^2/NDF: 8625360.5/100

- sign 175.411+/-0.022 χ^2/NDF: 4384759.3/51

asym_bcm_dg_us_an_ds_dd_mean vs Slug



Right In: -5.806+/-5.927 χ^2/NDF: 21.5/24

Left Out: 8.664+/-5.275 χ^2/NDF:39.2/23

Right Out: -11.095+/-5.571 χ^2/NDF: 26.7/28

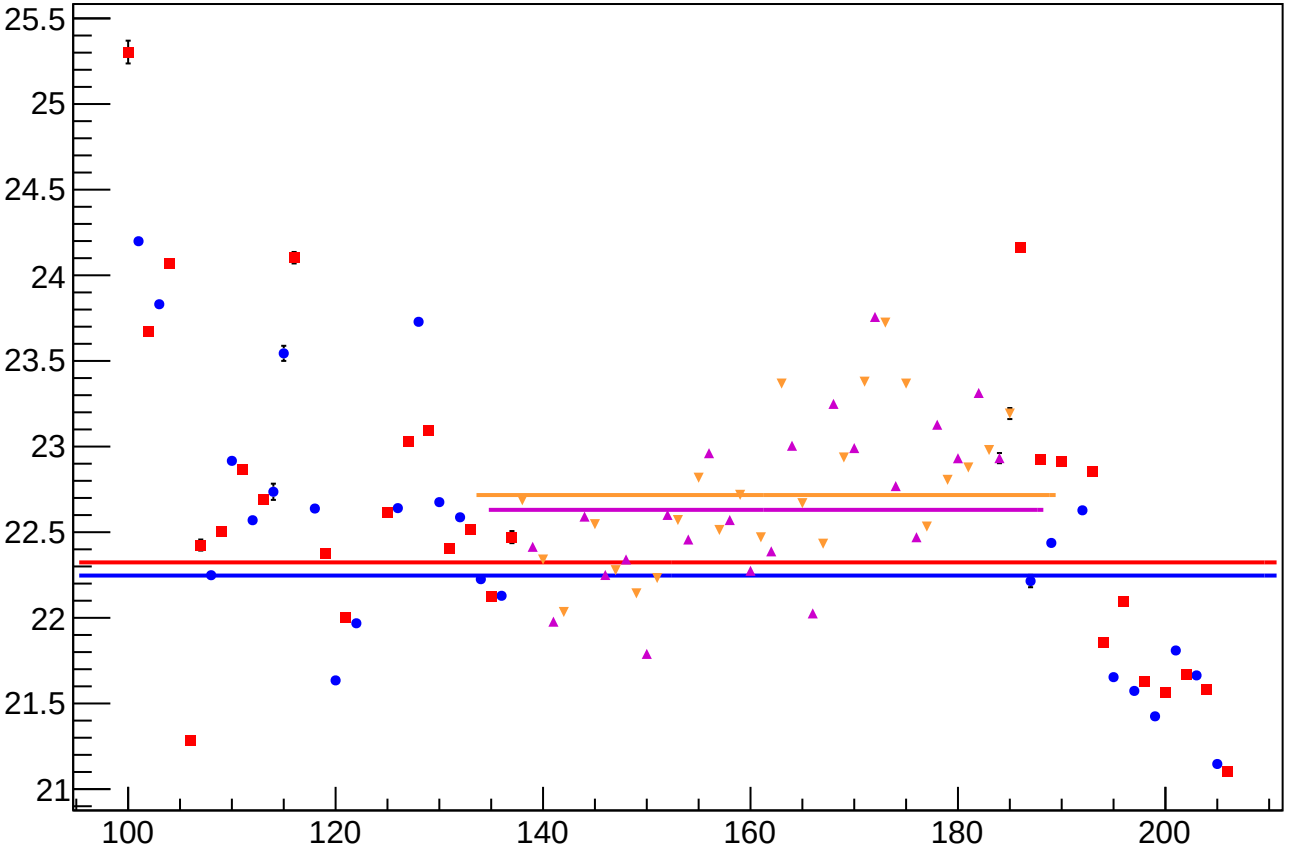
Left In: -5.668+/-5.286 χ^2/NDF:20.8/22

+ sign 2.268+/-3.940 χ^2/NDF: 64.0/48

All: -3.128+/-2.748 χ^2/NDF: 115.6/100

- sign -8.240+/-3.835 χ^2/NDF: 48.0/51

asym_bcm_dg_us_an_ds_dd_rms vs Slug



Right In: 22.247+/-0.004 χ^2/NDF: 34498.6/24

Left Out: 22.717+/-0.004 χ^2/NDF:12177.5/23

Right Out: 22.324+/-0.004 χ^2/NDF: 41898.1/28

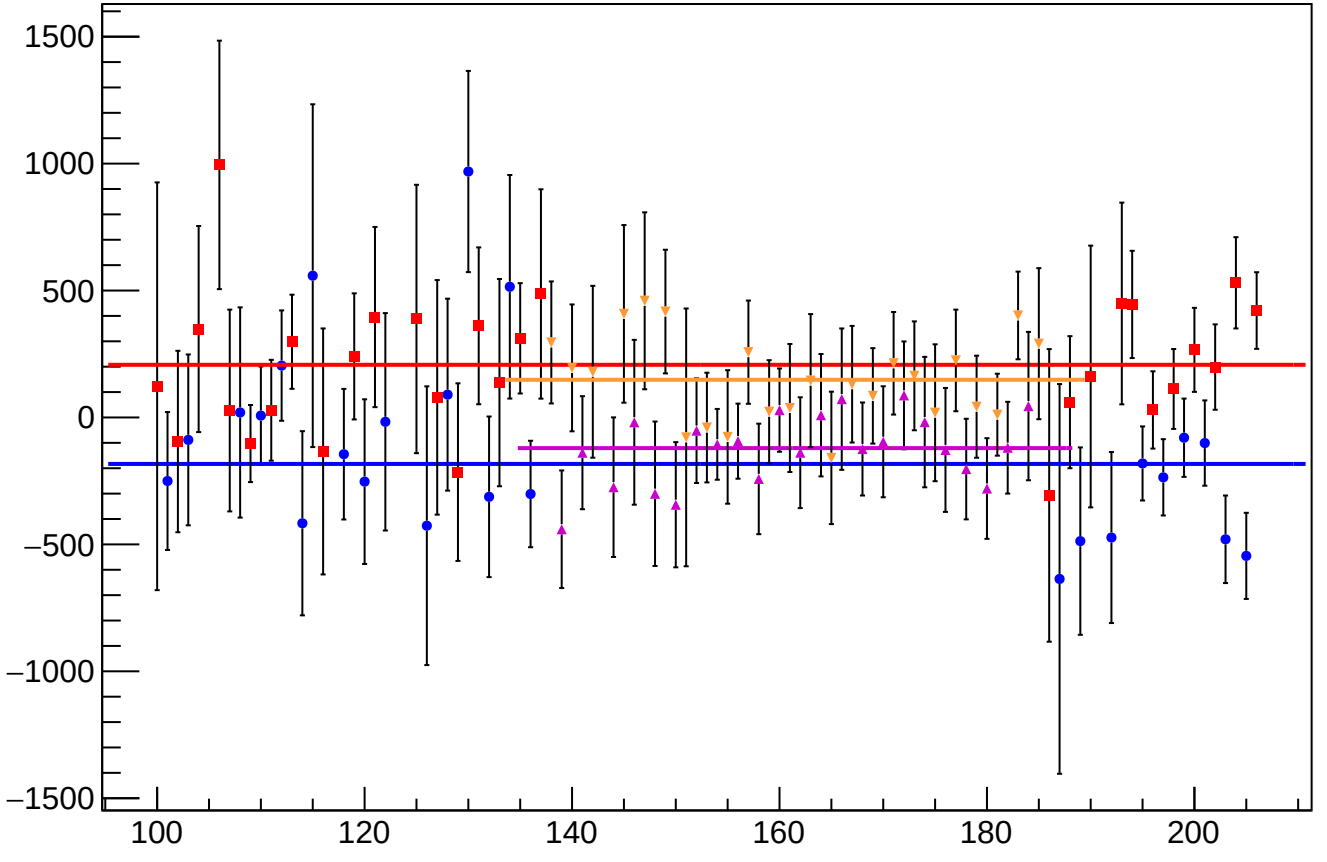
Left In: 22.631+/-0.004 χ^2/NDF:15391.4/22

+ sign 22.509+/-0.003 χ^2/NDF: 53697.2/48

All: 22.497+/-0.002 χ^2/NDF: 114216.7/100

- sign 22.485+/-0.003 χ^2/NDF: 60481.4/51

asym_bcm_dg_ds_an_ds_avg_mean vs Slug



Right In: -183.062+/-48.478 χ^2/NDF: 28.6/24

Left Out: 148.424+/-47.213 χ^2/NDF:10.9/23

Right Out: 207.441+/-45.056 χ^2/NDF: 22.1/28

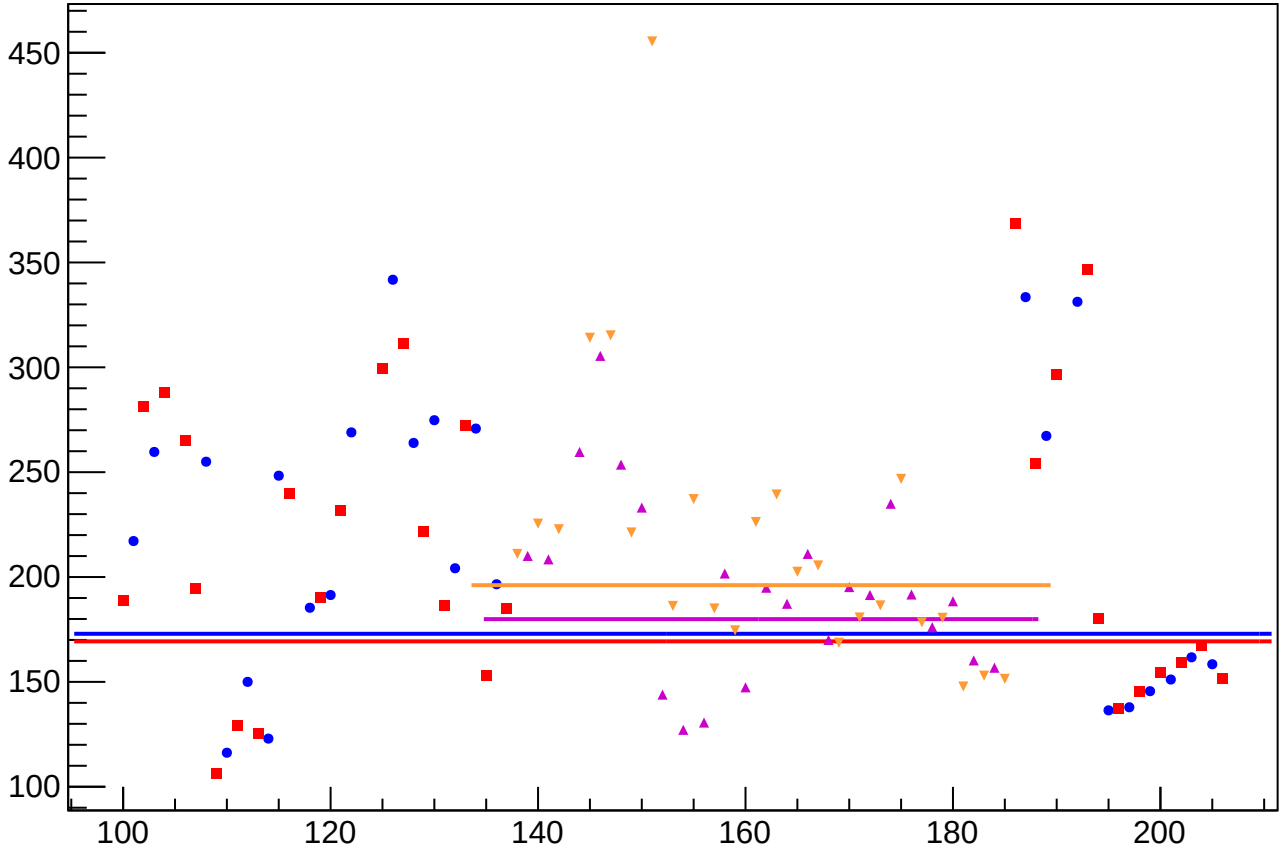
Left In: -120.760+/-43.920 χ^2/NDF:7.9/22

+ sign -12.938+/-33.823 χ^2/NDF: 63.5/48

All: 14.998+/-23.032 χ^2/NDF: 122.0/100

- sign 39.152+/-31.450 χ^2/NDF: 57.2/51

asym_bcm_dg_ds_an_ds_avg_rms vs Slug



Right In: 172.939+/-0.034 χ^2/NDF: 2227671.3/24

Left Out: 196.112+/-0.033 χ^2/NDF:1726285.1/23

Right Out: 169.320+/-0.032 χ^2/NDF: 2776962.4/28

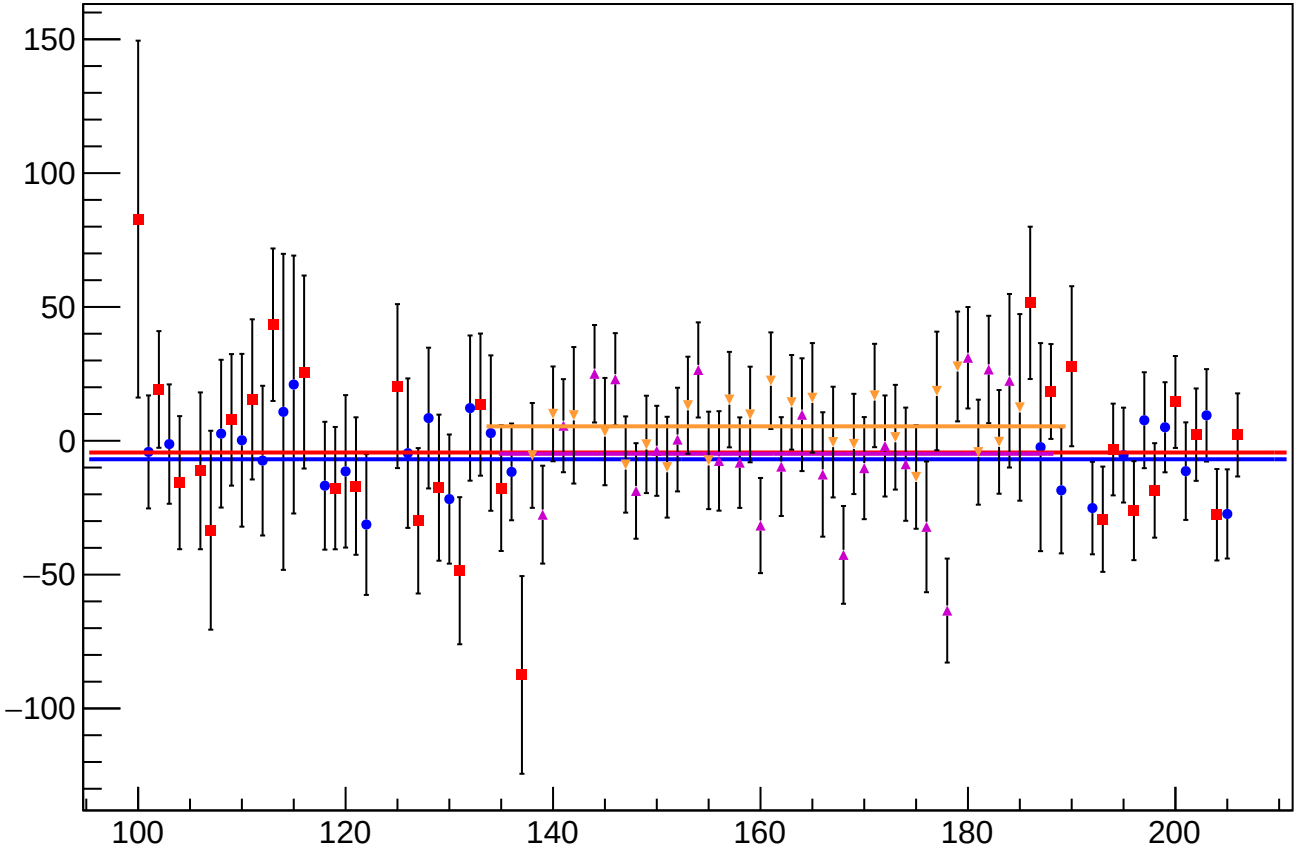
Left In: 179.923+/-0.031 χ^2/NDF:1624144.3/22

+ sign 184.832+/-0.024 χ^2/NDF: 4188499.4/48

All: 179.429+/-0.016 χ^2/NDF: 8741570.7/100

- sign 174.757+/-0.022 χ^2/NDF: 4457904.9/51

asym_bcm_dg_ds_an_ds_dd_mean vs Slug



Right In: -6.904+/-4.535 χ^2/NDF: 8.1/24

Left Out: 5.406+/-3.972 χ^2/NDF:7.8/23

Right Out: -4.377+/-4.261 χ^2/NDF: 32.4/28

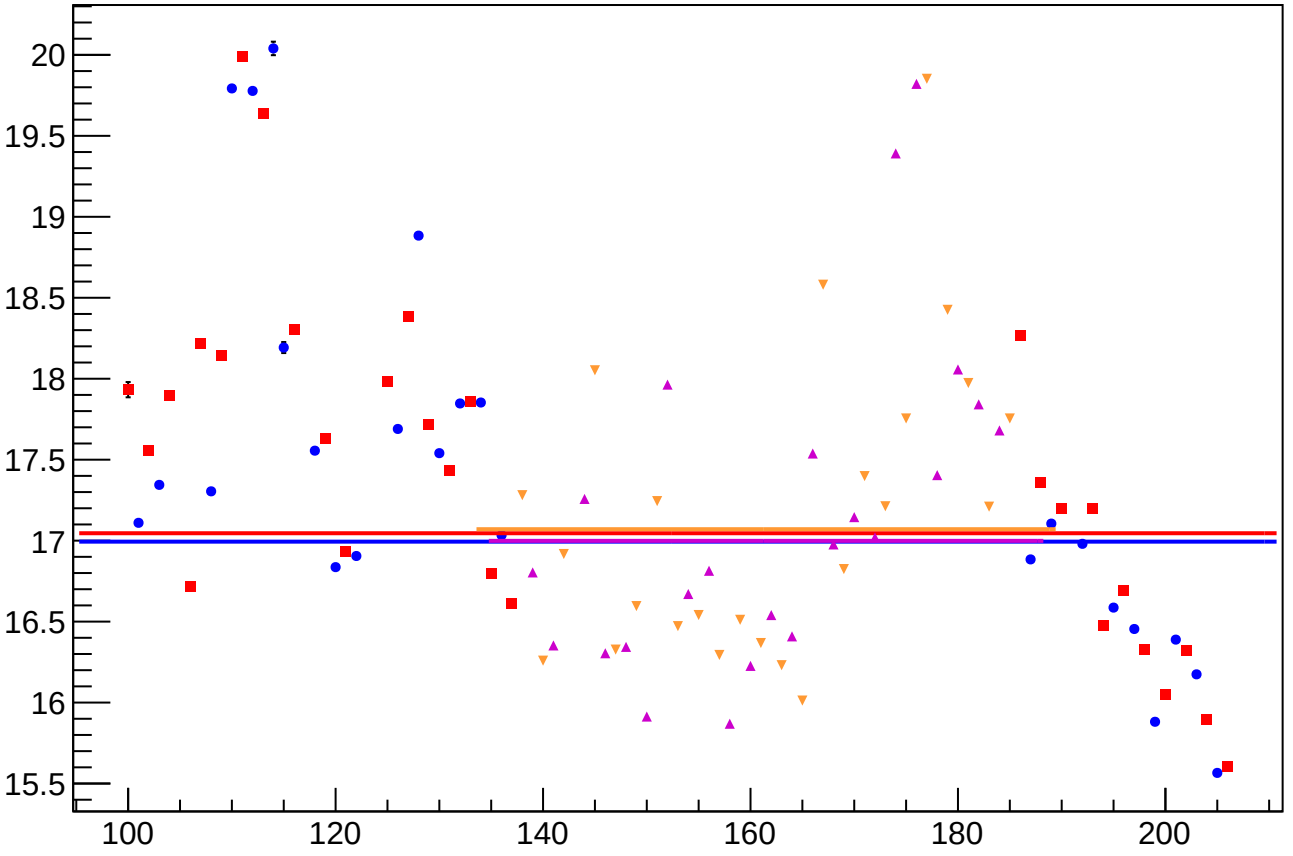
Left In: -4.858+/-3.980 χ^2/NDF:35.5/22

+ sign 0.063+/-2.988 χ^2/NDF: 20.1/48

All: -2.349+/-2.084 χ^2/NDF: 89.3/100

- sign -4.634+/-2.909 χ^2/NDF: 67.9/51

asym_bcm_dg_ds_an_ds_dd_rms vs Slug



Right In: 16.994+/-0.003 χ^2/NDF: 92845.0/24

Left Out: 17.071+/-0.003 χ^2/NDF:96312.6/23

Right Out: 17.046+/-0.003 χ^2/NDF: 107764.9/28

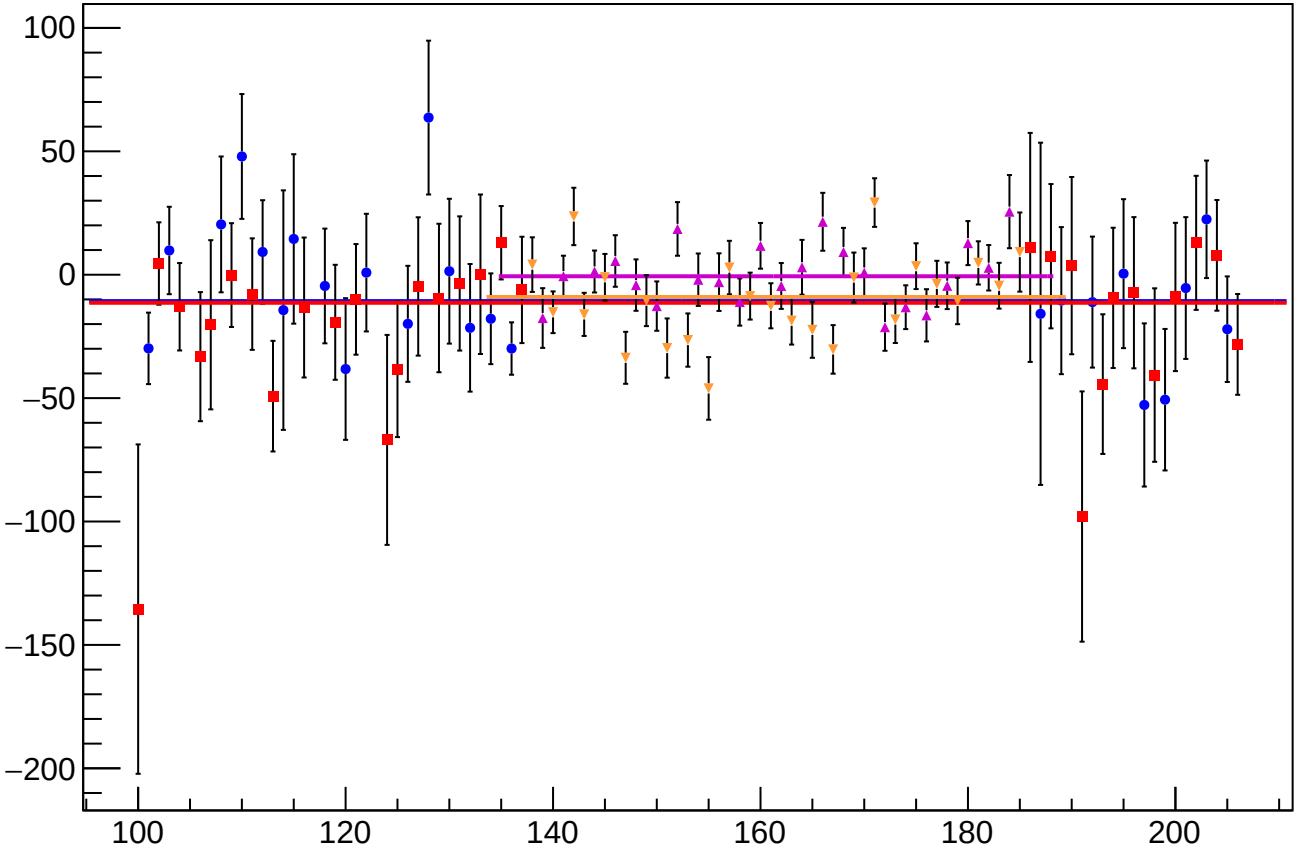
Left In: 16.999+/-0.003 χ^2/NDF:104021.0/22

+ sign 17.037+/-0.002 χ^2/NDF: 189482.9/48

All: 17.029+/-0.001 χ^2/NDF: 401431.2/100

- sign 17.021+/-0.002 χ^2/NDF: 211916.3/51

diff_bpm_4aX_4acX_avg_mean vs Slug



Right In: -10.694+/-4.579 χ^2/NDF: 28.0/24

Left Out: -9.027+/-2.006 χ^2/NDF:62.0/24

Right Out: -11.362+/-4.572 χ^2/NDF: 22.1/30

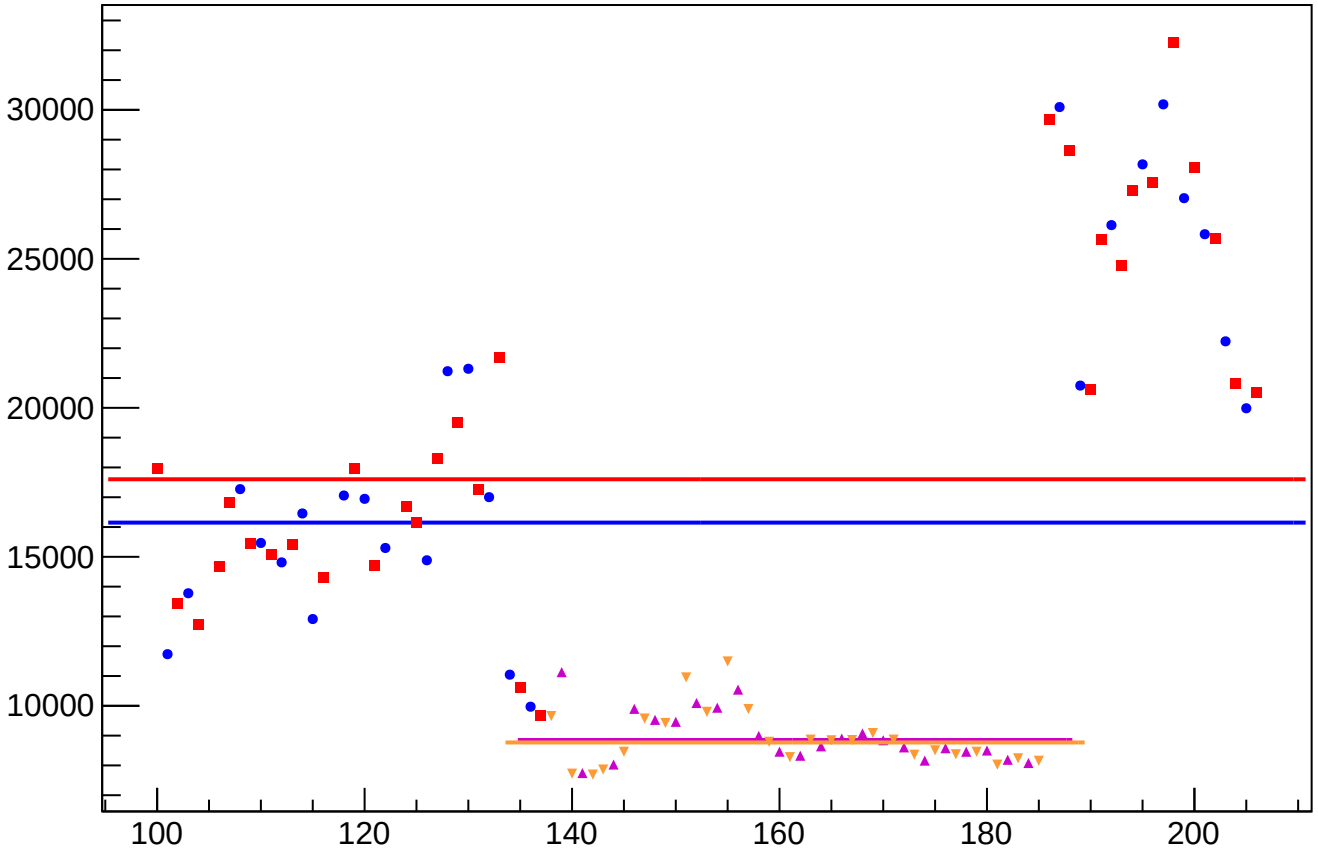
Left In: -0.628+/-2.079 χ^2/NDF:29.5/22

+ sign -9.296+/-1.838 χ^2/NDF: 90.1/49

All: -5.982+/-1.318 χ^2/NDF: 153.0/103

- sign -2.468+/-1.893 χ^2/NDF: 56.2/53

diff_bpm_4aX_4acX_avg_rms vs Slug



Right In: 16148.430+/-3.238 χ^2/NDF: 3014231.7/24

Left Out: 8770.330+/-1.419 χ^2/NDF:345180.6/24

Right Out: 17602.985+/-3.233 χ^2/NDF: 3092772.7/30

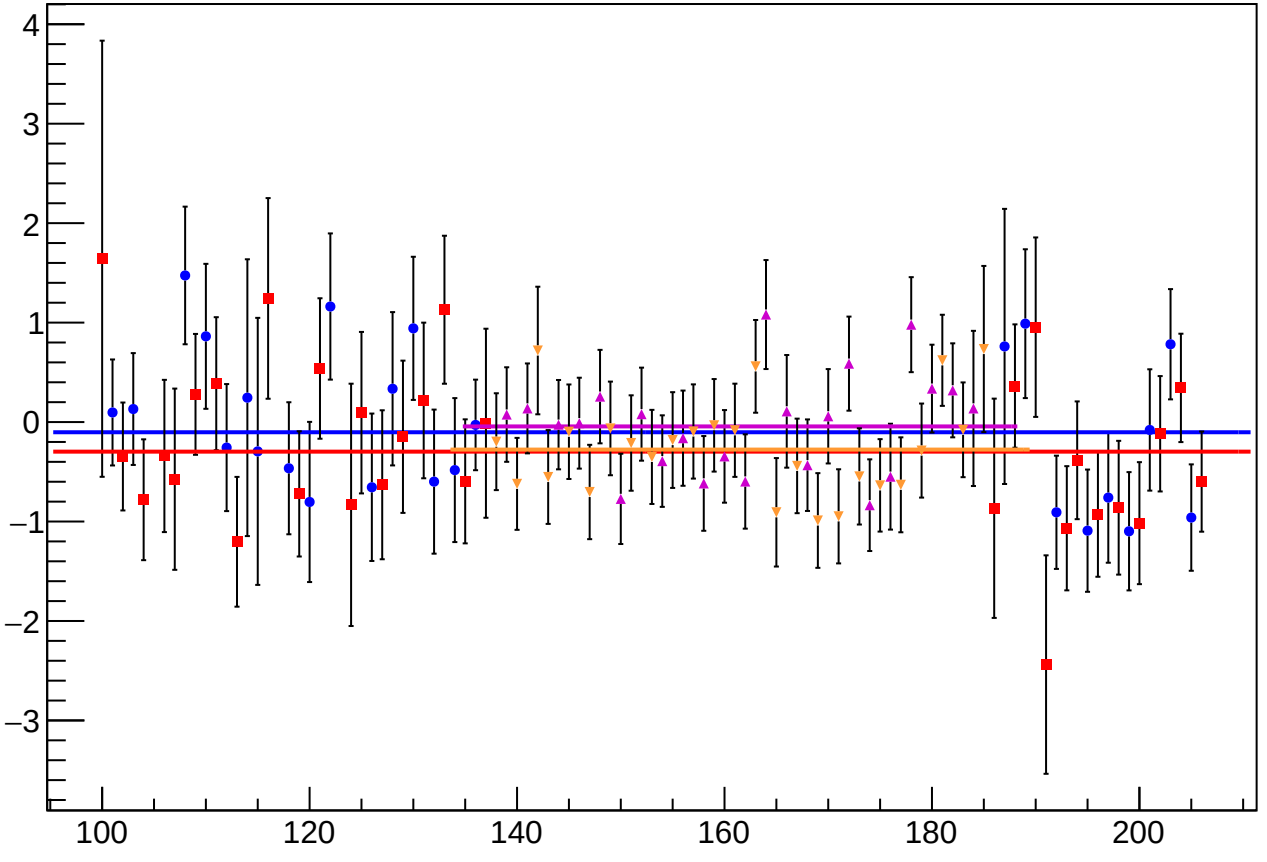
Left In: 8852.820+/-1.470 χ^2/NDF:299860.4/22

+ sign 9958.584+/-1.300 χ^2/NDF: 7714856.5/49

All: 10149.817+/-0.932 χ^2/NDF: 17223209.0

- sign 10352.650+/-1.338 χ^2/NDF: 9463728.0/53

diff_bpm_4aX_4acX_dd_mean vs Slug



Right In: -0.102+/-0.133 χ^2/NDF: 31.2/24

Left Out: -0.277+/-0.097 χ^2/NDF:21.0/24

Right Out: -0.297+/-0.126 χ^2/NDF: 28.3/30

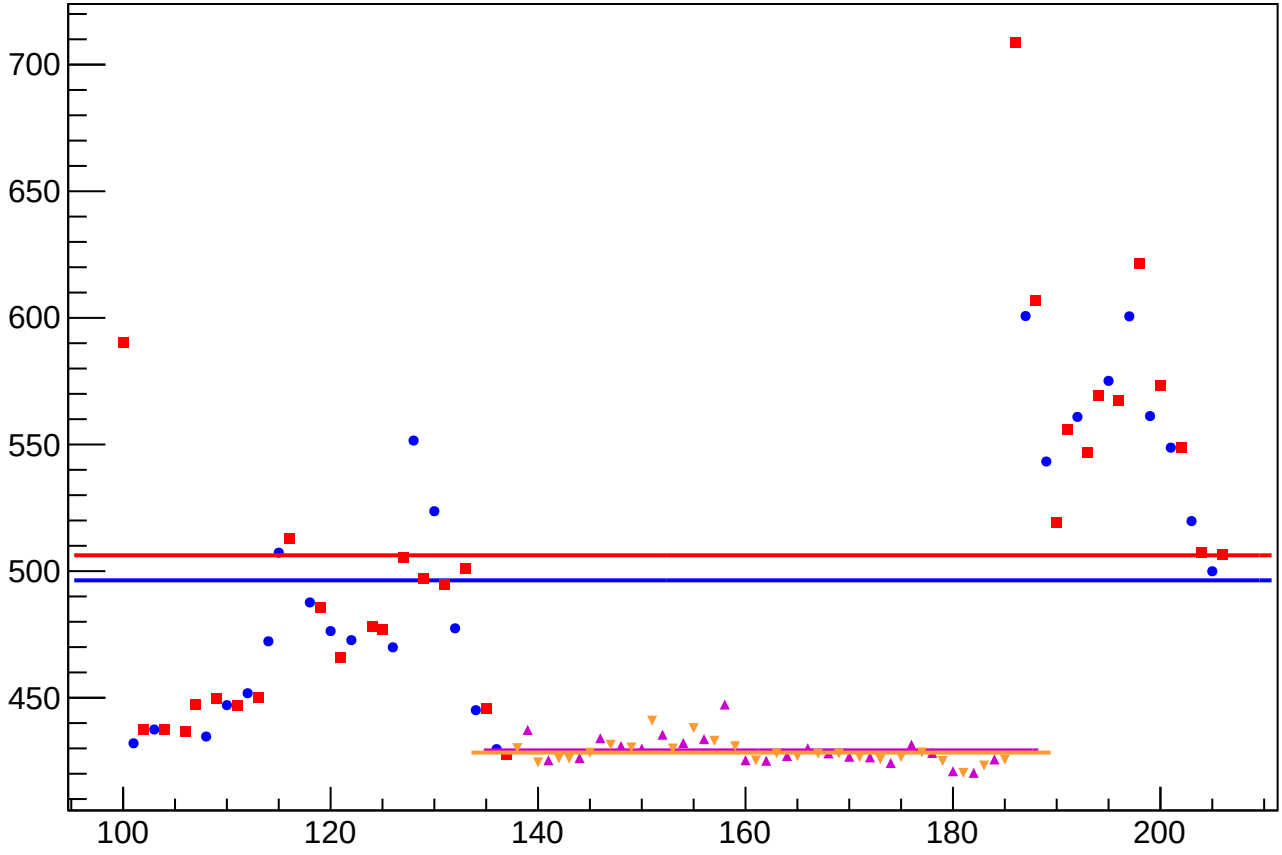
Left In: -0.044+/-0.100 χ^2/NDF:23.8/22

+ sign -0.216+/-0.079 χ^2/NDF: 53.4/49

All: -0.179+/-0.055 χ^2/NDF: 108.4/103

- sign -0.142+/-0.078 χ^2/NDF: 54.6/53

diff_bpm_4aX_4acX_dd_rms vs Slug



Right In: 496.355+/-0.094 χ^2/NDF: 330936.4/24

Left Out: 428.343+/-0.069 χ^2/NDF:4016.5/24

Right Out: 506.256+/-0.089 χ^2/NDF: 447025.0/30

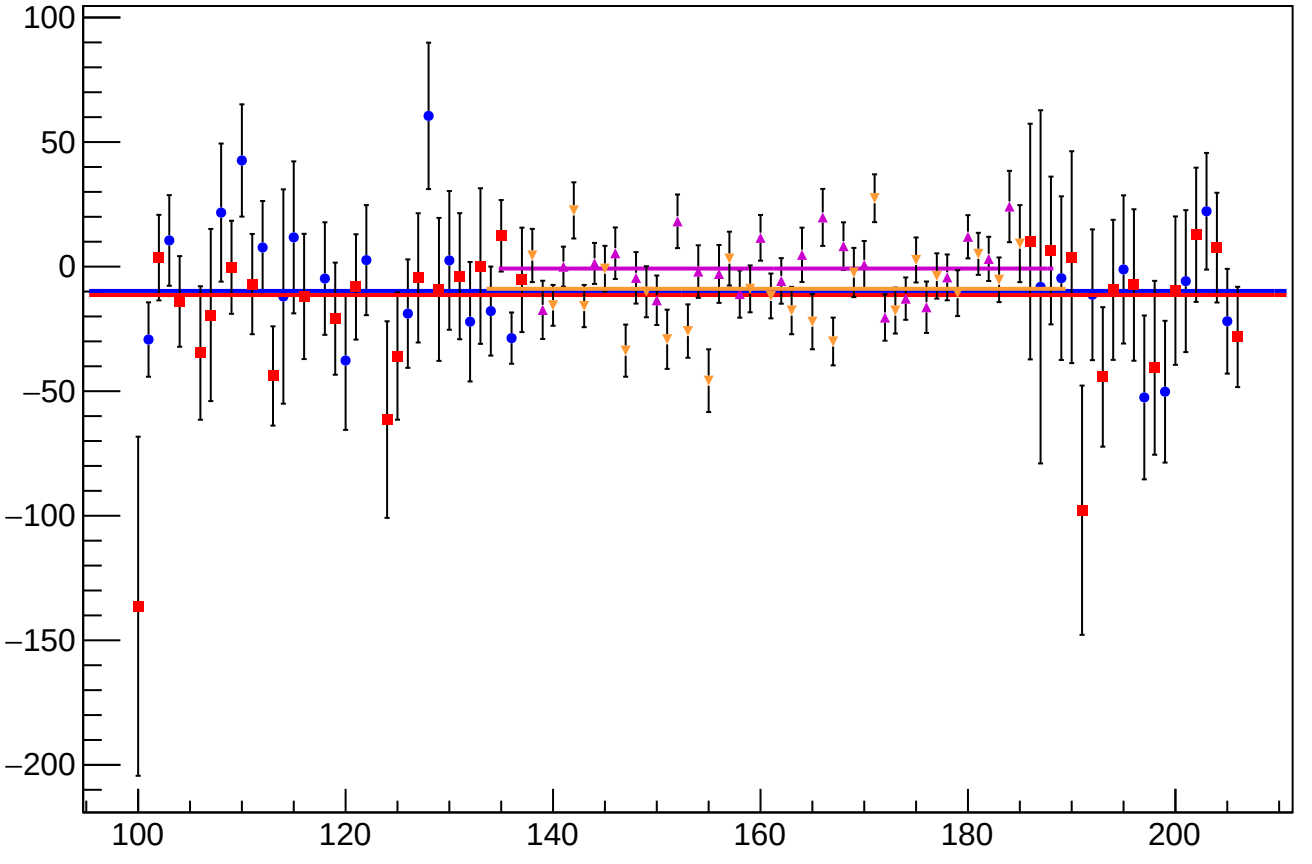
Left In: 429.228+/-0.071 χ^2/NDF:6749.9/22

+ sign 452.062+/-0.056 χ^2/NDF: 675715.1/49

All: 455.642+/-0.039 χ^2/NDF: 1597444.8/103

- sign 459.204+/-0.055 χ^2/NDF: 913438.1/53

diff_bpm_4aX_4eX_avg_mean vs Slug



Right In: -9.753+/-4.445 χ^2/NDF: 28.4/24

Left Out: -8.904+/-1.961 χ^2/NDF:61.6/24

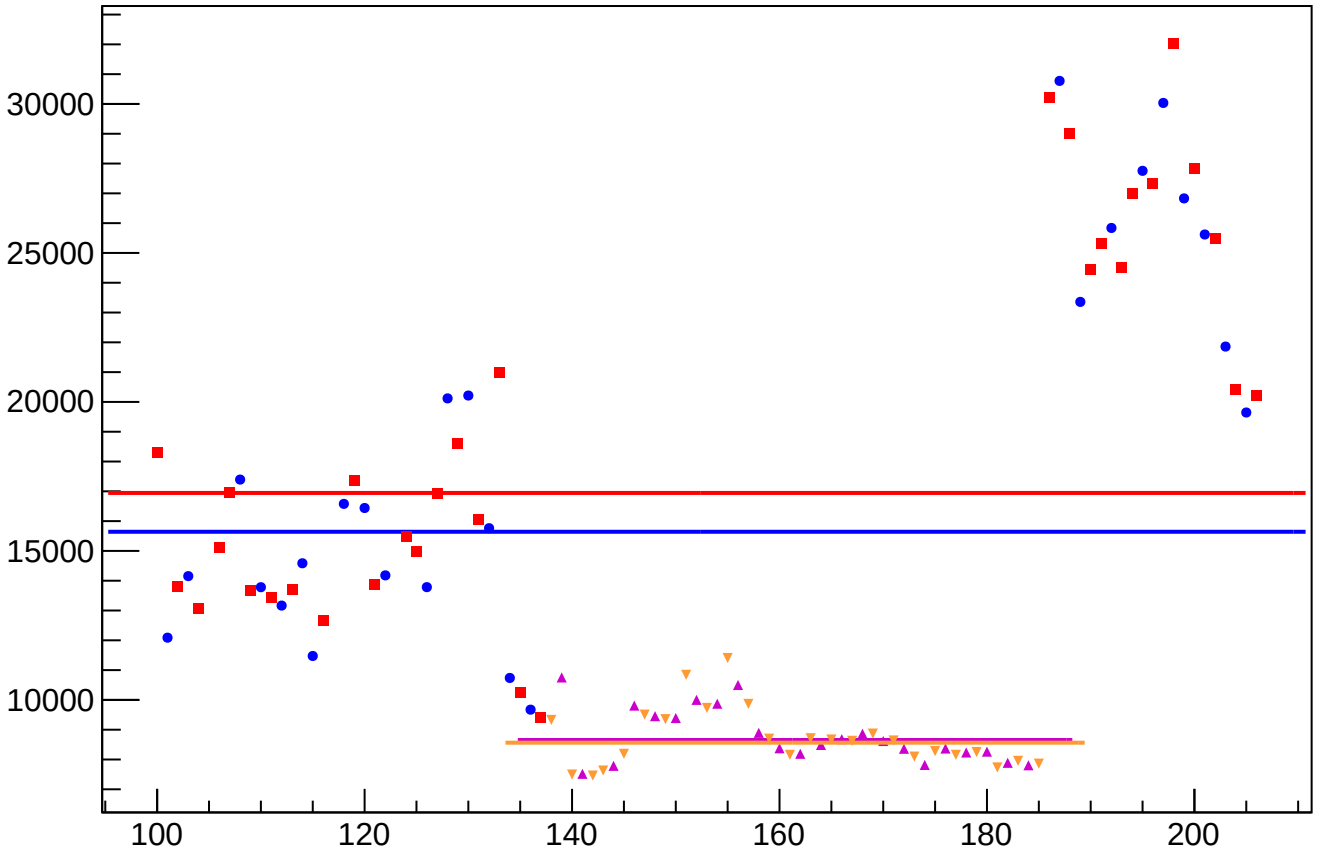
Right Out: -11.401+/-4.423 χ^2/NDF: 21.9/30

Left In: -0.773+/-2.034 χ^2/NDF:29.3/22

+ sign -9.043+/-1.794 χ^2/NDF: 89.9/49

All: -5.930+/-1.287 χ^2/NDF: 152.1/103

- sign -2.628+/-1.848 χ^2/NDF: 56.0/53



Right In: 15642.736+/-3.143 χ^2/NDF: 3160186.9/24

Left Out: 8564.413+/-1.387 χ^2/NDF:400646.9/24

Right Out: 16945.713+/-3.127 χ^2/NDF: 3379863.9/30

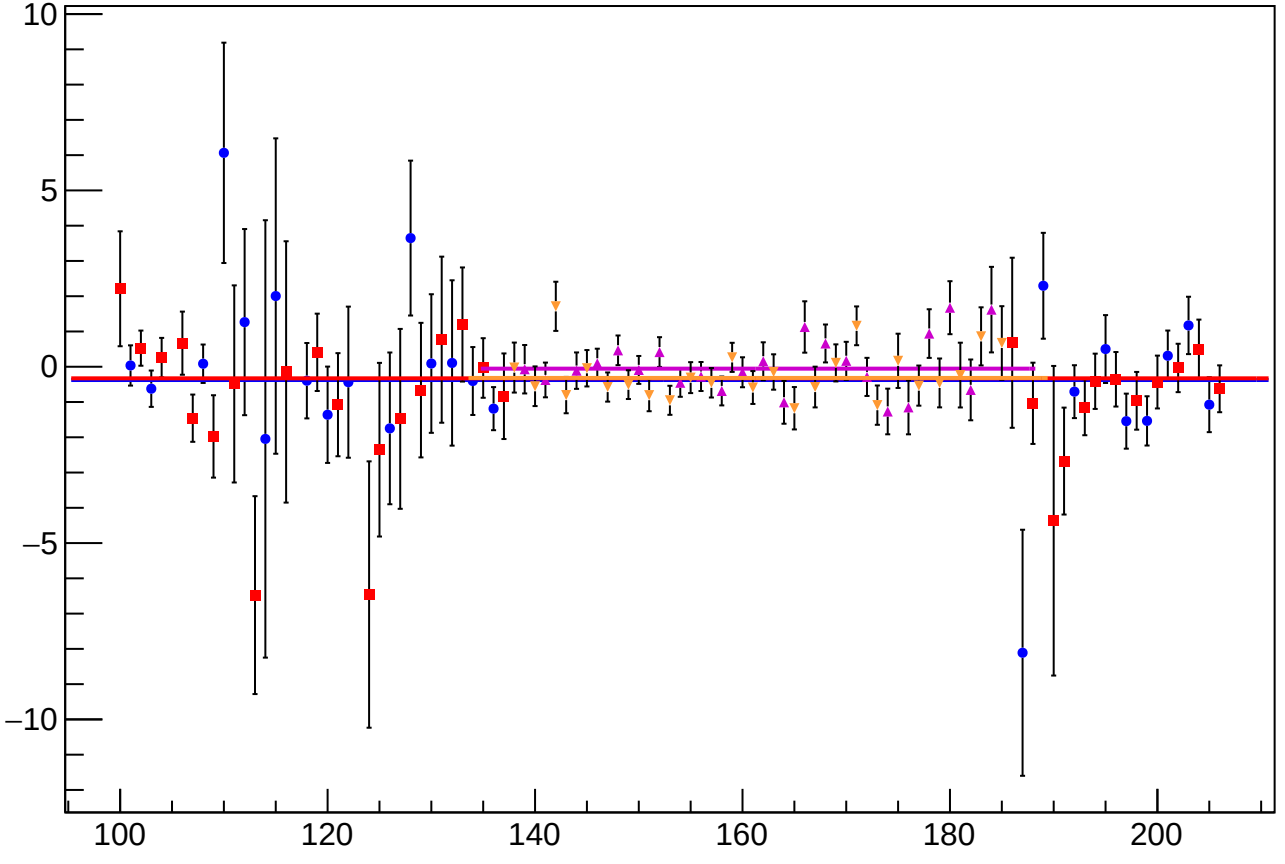
Left In: 8654.310+/-1.438 χ^2/NDF:345603.4/22

+ sign 9717.614+/-1.269 χ^2/NDF: 7806792.6/49

All: 9903.939+/-0.910 χ^2/NDF: 17378429.6/1

- sign 10101.622+/-1.307 χ^2/NDF: 9527175.4/53

diff_bpm_4aX_4eX_dd_mean vs Slug



Right In: -0.376+/-0.186 χ^2/NDF: 32.1/24

Left Out: -0.318+/-0.106 χ^2/NDF:32.3/24

Right Out: -0.328+/-0.176 χ^2/NDF: 29.9/30

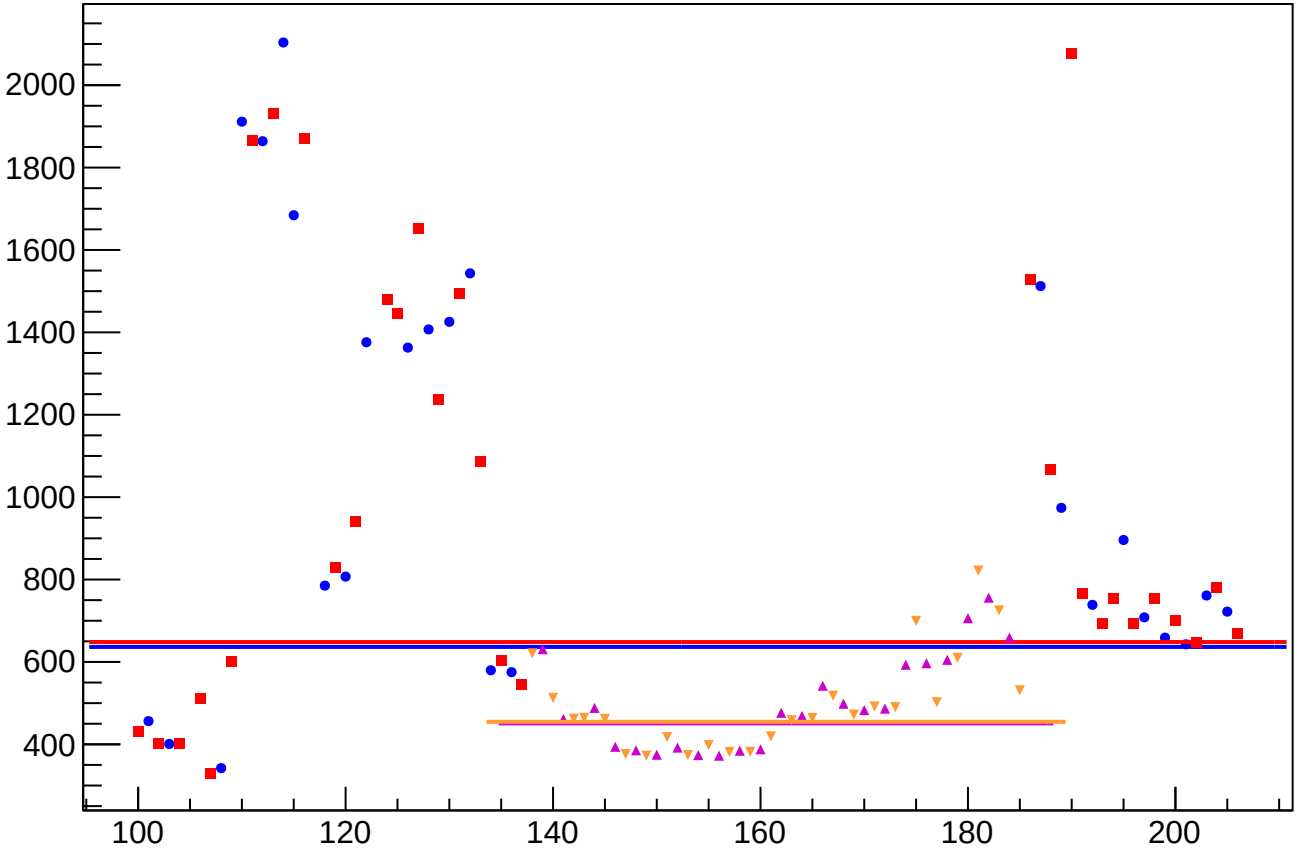
Left In: -0.054+/-0.108 χ^2/NDF:29.8/22

+ sign -0.332+/-0.092 χ^2/NDF: 64.4/49

All: -0.231+/-0.065 χ^2/NDF: 128.3/103

- sign -0.129+/-0.092 χ^2/NDF: 61.4/53

diff_bpm_4aX_4eX_dd_rms vs Slug



Right In: 636.453+/-0.131 χ^2/NDF: 4119495.9/24

Left Out: 454.697+/-0.075 χ^2/NDF:1451363.0/24

Right Out: 648.277+/-0.125 χ^2/NDF: 4700062.7/30

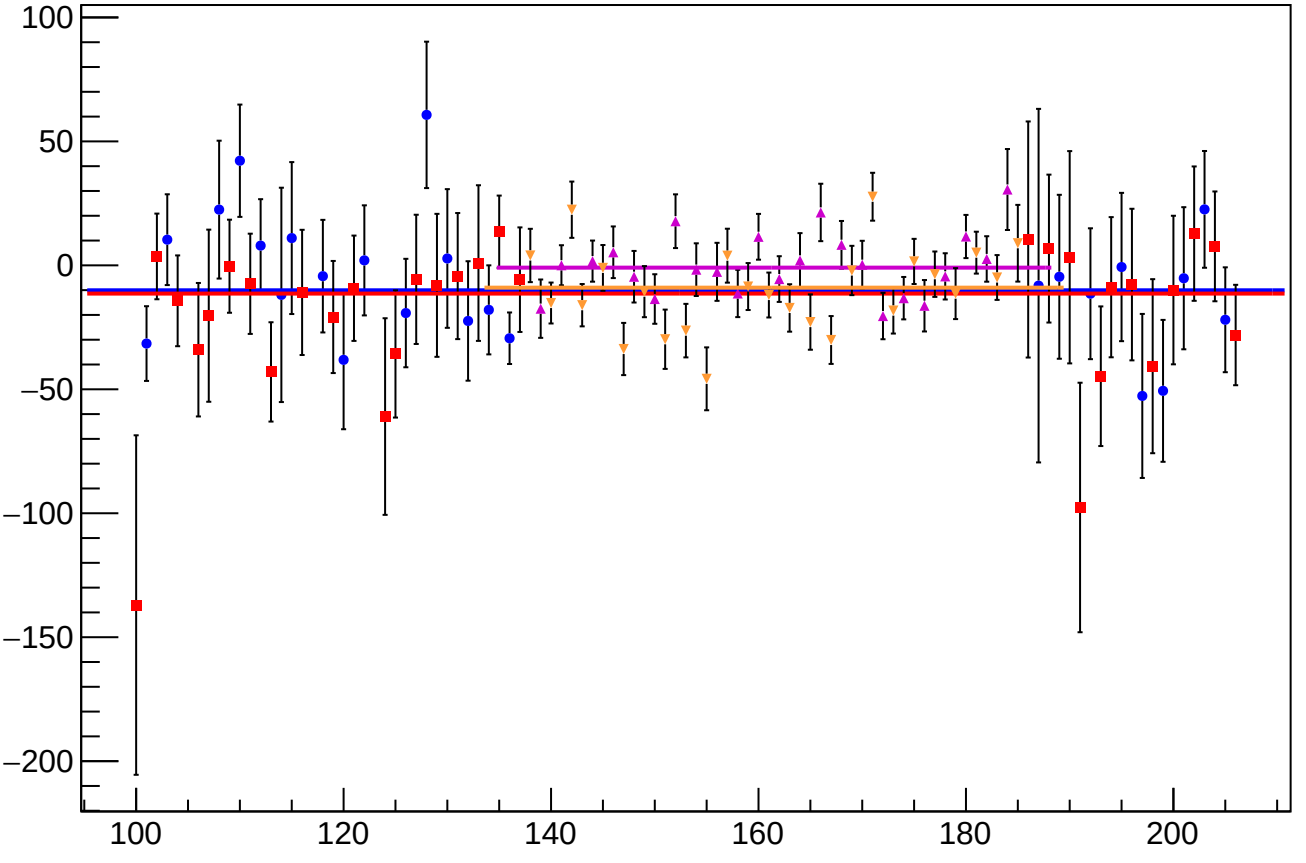
Left In: 450.767+/-0.076 χ^2/NDF:1471497.9/22

+ sign 499.318+/-0.065 χ^2/NDF: 7015106.9/49

All: 502.010+/-0.046 χ^2/NDF: 15012323.6/10

- sign 504.710+/-0.065 χ^2/NDF: 7993791.0/53

diff_bpm_4aX_4ecX_avg_mean vs Slug



Right In: -10.065+/-4.474 χ^2/NDF: 28.8/24

Left Out: -9.001+/-1.982 χ^2/NDF:61.3/24

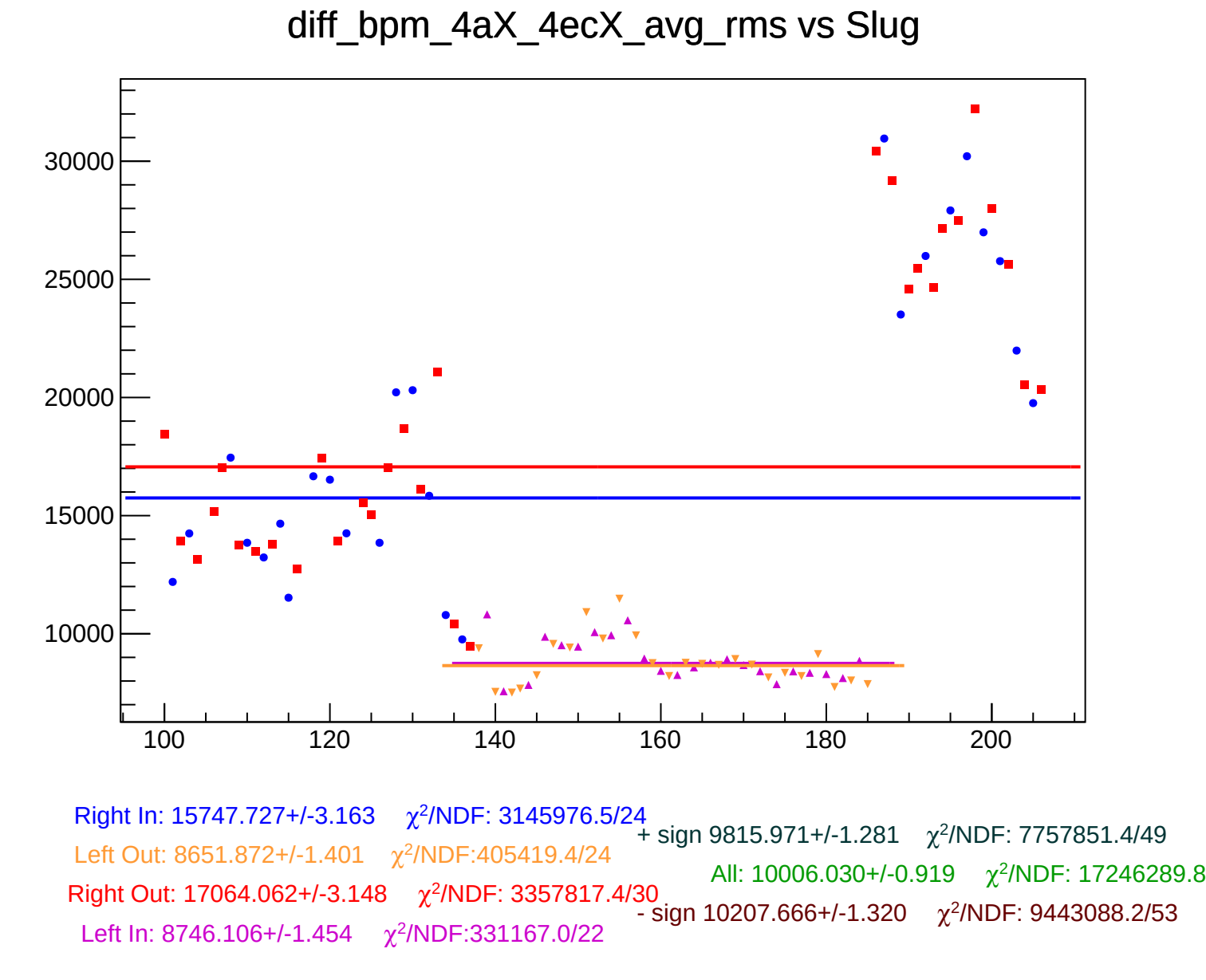
Right Out: -11.392+/-4.452 χ^2/NDF: 21.7/30

Left In: -0.925+/-2.056 χ^2/NDF:29.9/22

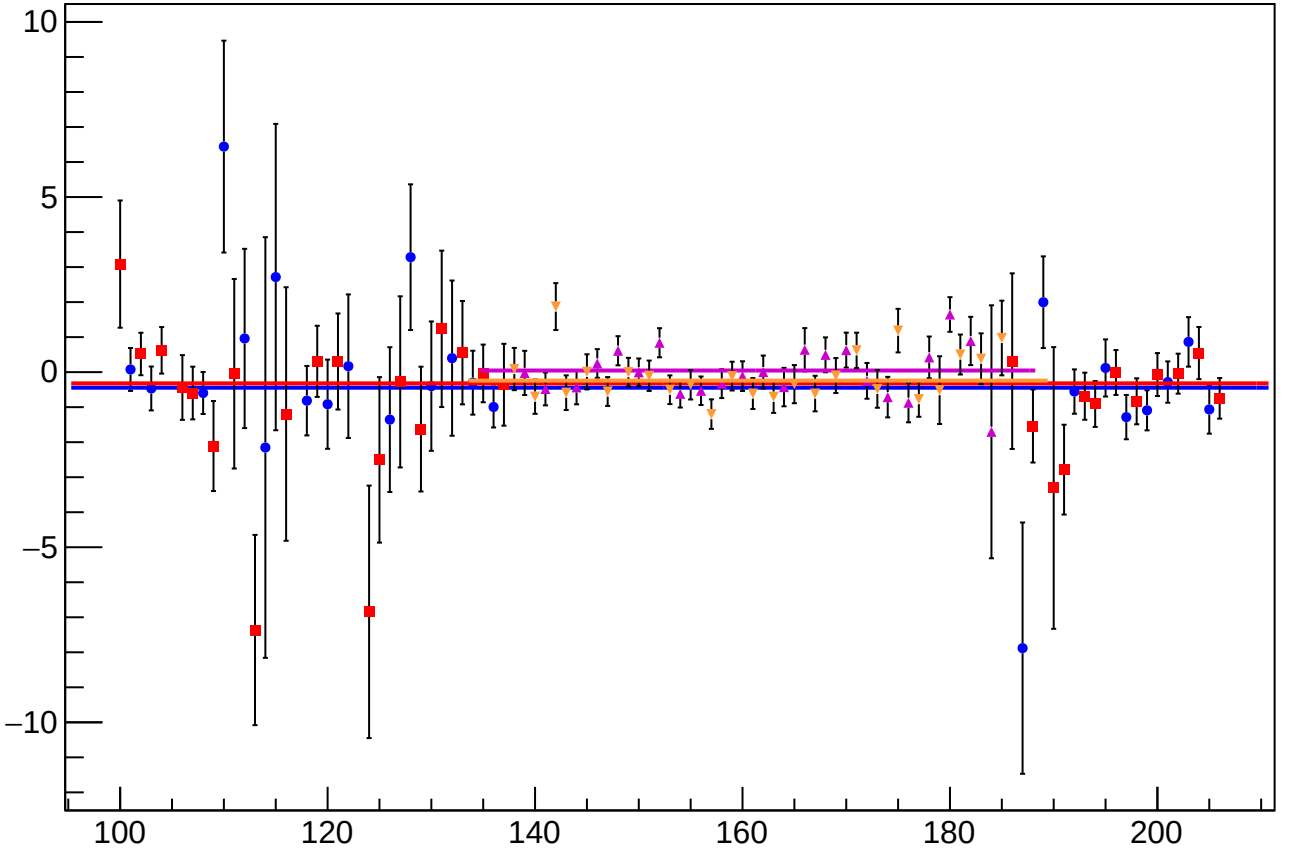
+ sign -9.175+/-1.812 χ^2/NDF: 90.2/49

All: -6.065+/-1.300 χ^2/NDF: 152.3/103

- sign -2.764+/-1.866 χ^2/NDF: 56.1/53


diff_bpm_4aX_4ecX_avg_rms vs Slug
30000
25000
20000
15000
10000
100
120
140
160
180
200
Right In: 15747.727+/-3.163 χ²/NDF: 3145976.5/24
Left Out: 8651.872+/-1.401 χ²/NDF:405419.4/24
Right Out: 17064.062+/-3.148 χ²/NDF: 3357817.4/30
Left In: 8746.106+/-1.454 χ²/NDF:331167.0/22
+ sign 9815.971+/-1.281 χ²/NDF: 7757851.4/49
All: 10006.030+/-0.919 χ²/NDF: 17246289.8
- sign 10207.666+/-1.320 χ²/NDF: 9443088.2/53

diff_bpm_4aX_4ecX_dd_mean vs Slug



Right In: -0.444+/-0.176 χ^2/NDF: 27.3/24

Left Out: -0.242+/-0.100 χ^2/NDF:34.3/24

Right Out: -0.321+/-0.167 χ^2/NDF: 32.5/30

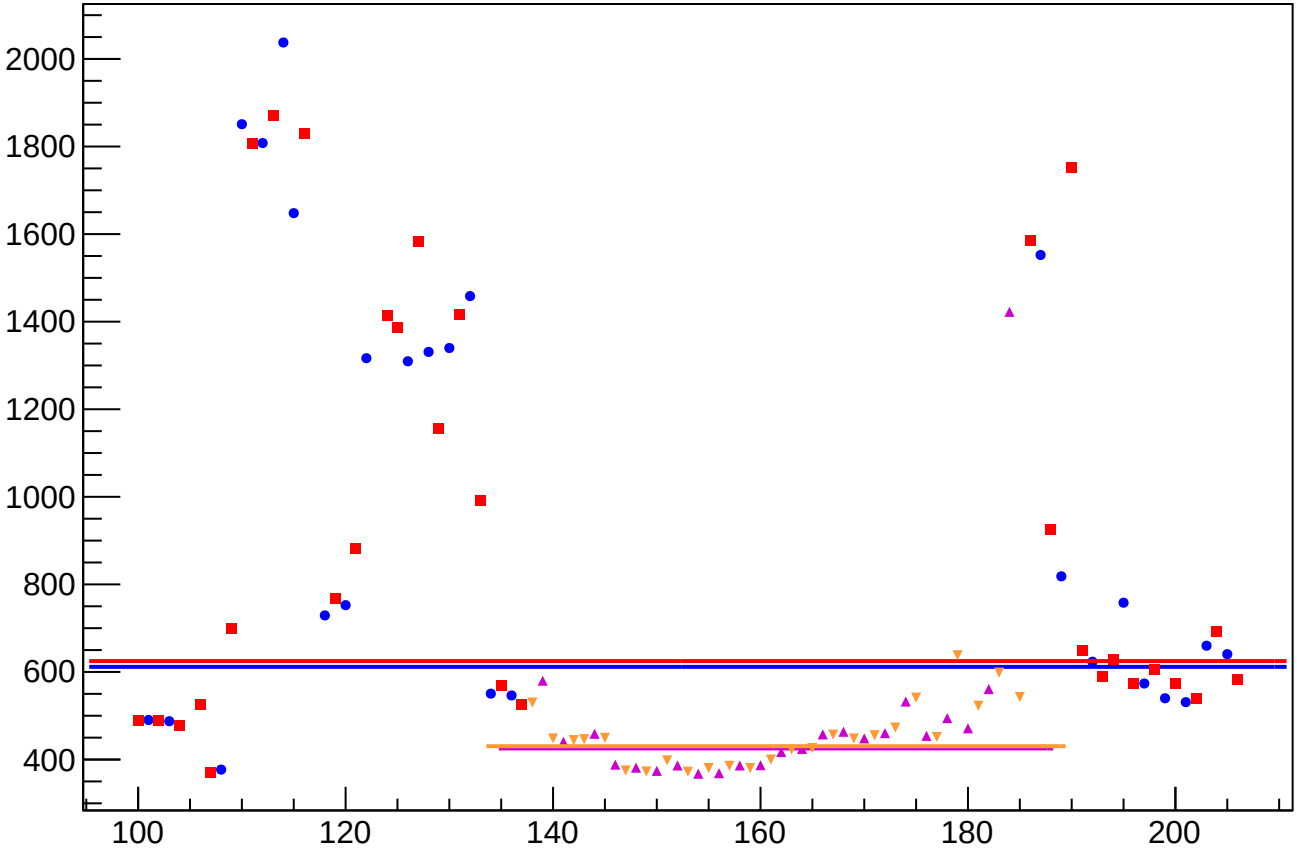
Left In: 0.047+/-0.102 χ^2/NDF:35.1/22

+ sign -0.292+/-0.087 χ^2/NDF: 62.6/49

All: -0.172+/-0.061 χ^2/NDF: 137.5/103

- sign -0.052+/-0.087 χ^2/NDF: 71.1/53

diff_bpm_4aX_4ecX_dd_rms vs Slug



Right In: 611.663+/-0.124 χ^2/NDF: 3194490.3/24

Left Out: 430.437+/-0.071 χ^2/NDF:648114.1/24

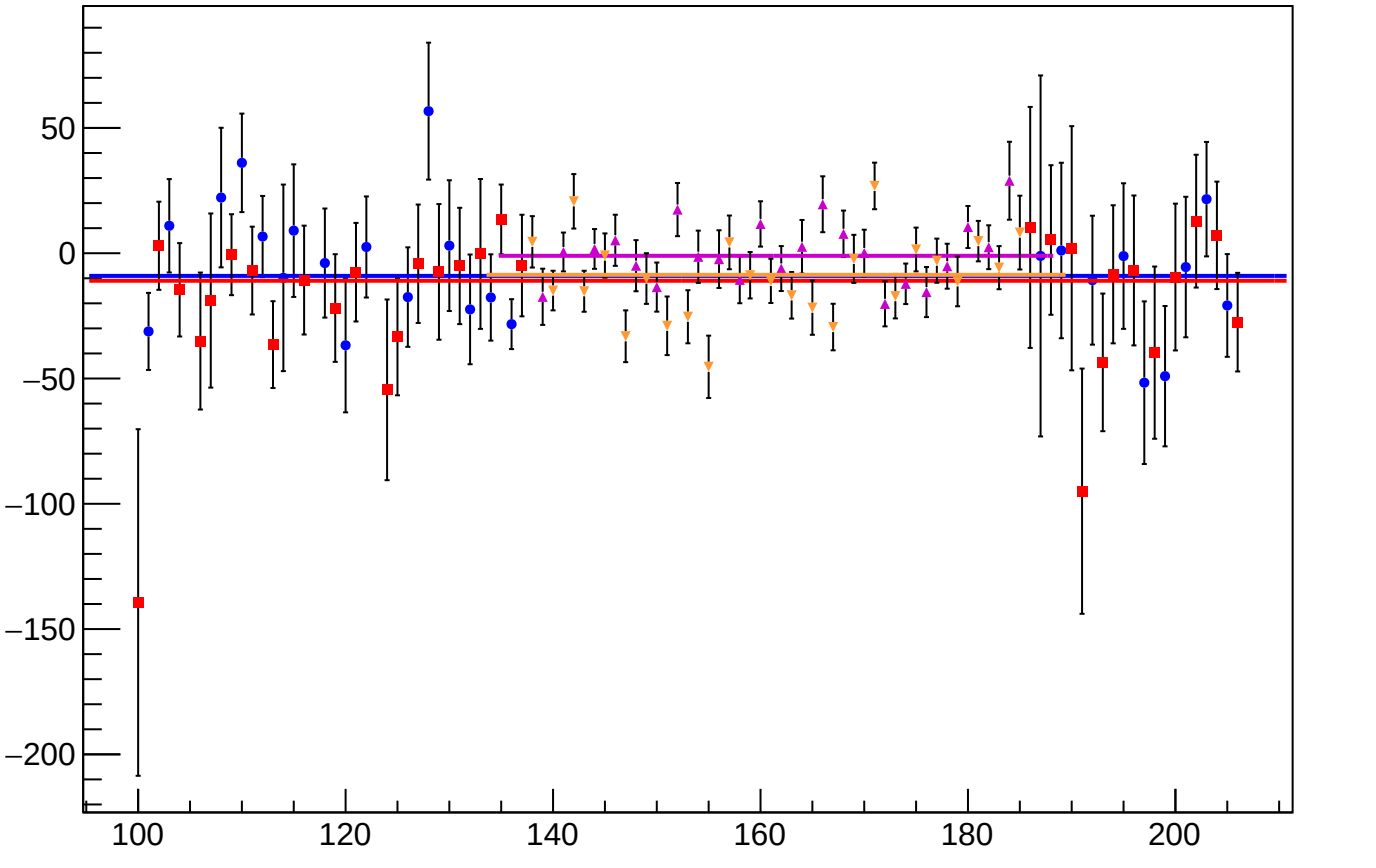
Right Out: 624.864+/-0.118 χ^2/NDF: 3515173.3/30

Left In: 425.312+/-0.072 χ^2/NDF:716953.2/22

+ sign 474.991+/-0.062 χ^2/NDF: 5450734.3/49

All: 477.096+/-0.043 χ^2/NDF: 11768947.6/10

- sign 479.190+/-0.061 χ^2/NDF: 6315879.0/53



Right In: -9.041+/-4.253 χ^2/NDF: 29.2/24

Left Out: -8.623+/-1.913 χ^2/NDF:61.6/24

Right Out: -10.984+/-4.209 χ^2/NDF: 21.6/30

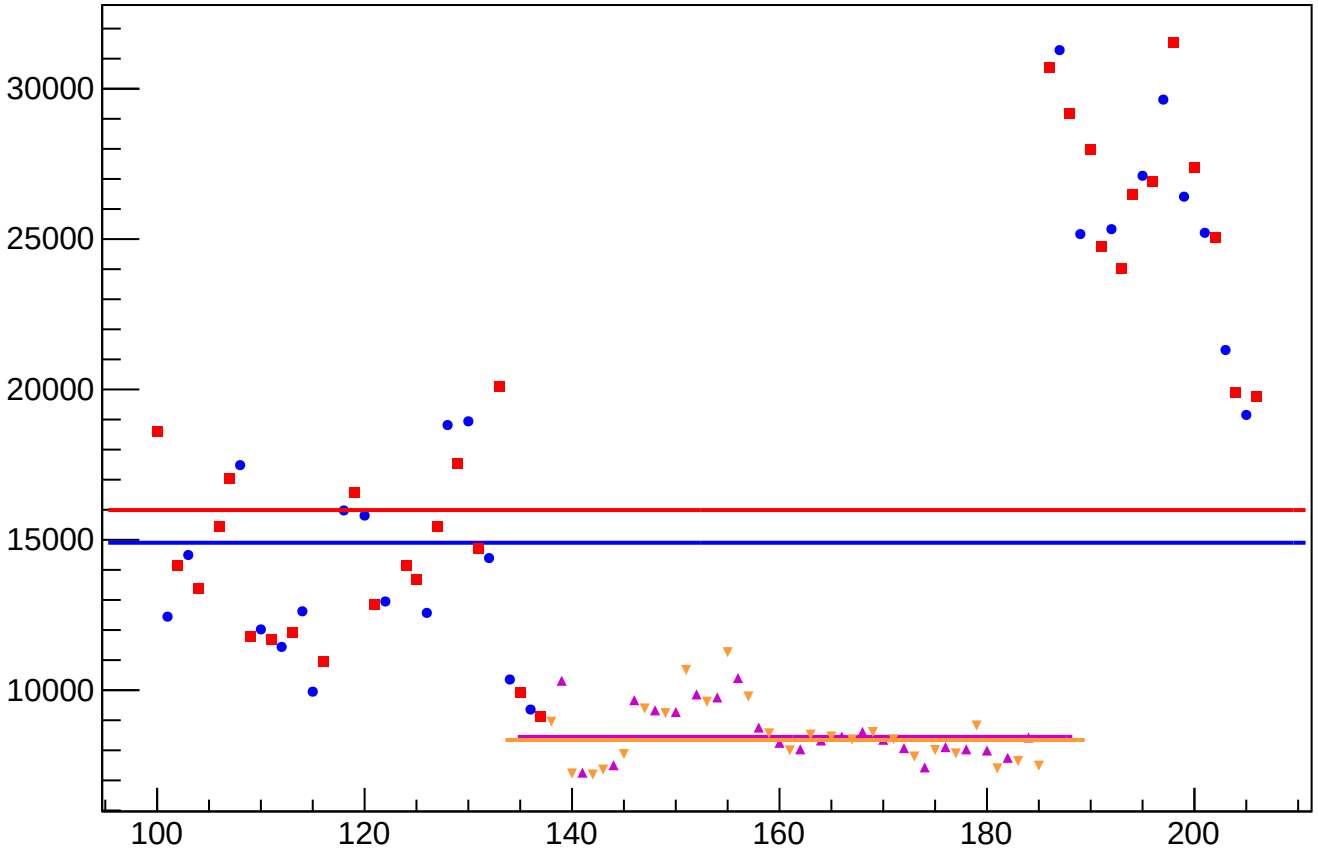
Left In: -1.027+/-1.987 χ^2/NDF:29.8/22

+ sign -8.693+/-1.745 χ^2/NDF: 90.9/49

All: -5.853+/-1.252 χ^2/NDF: 152.3/103

- sign -2.841+/-1.797 χ^2/NDF: 55.9/53

diff_bpm_4eX_4ecX_avg_rms vs Slug



Right In: 14903.009+/-3.007 χ^2/NDF: 3404352.7/24

Left Out: 8344.309+/-1.353 χ^2/NDF:469243.6/24

Right Out: 15989.601+/-2.976 χ^2/NDF: 3852565.4/30

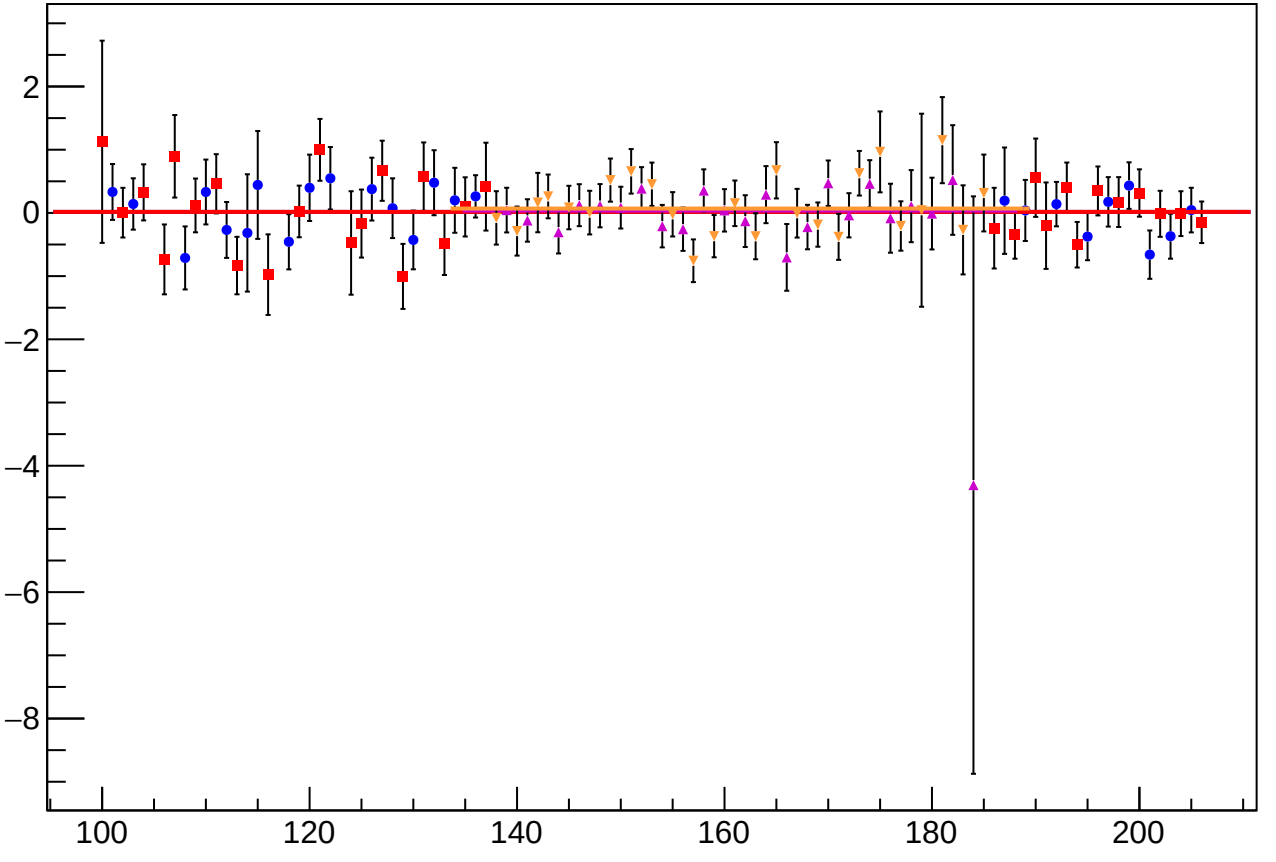
Left In: 8446.686+/-1.405 χ^2/NDF:381901.7/22

+ sign 9447.936+/-1.234 χ^2/NDF: 7829295.0/49

All: 9629.025+/-0.885 χ^2/NDF: 17361450.5/1

- sign 9821.043+/-1.270 χ^2/NDF: 9487761.5/53

diff_bpm_4eX_4ecX_dd_mean vs Slug



Right In: 0.016+/-0.089 χ^2/NDF: 16.7/24

Left Out: 0.069+/-0.079 χ^2/NDF:28.2/24

Right Out: 0.016+/-0.083 χ^2/NDF: 31.1/30

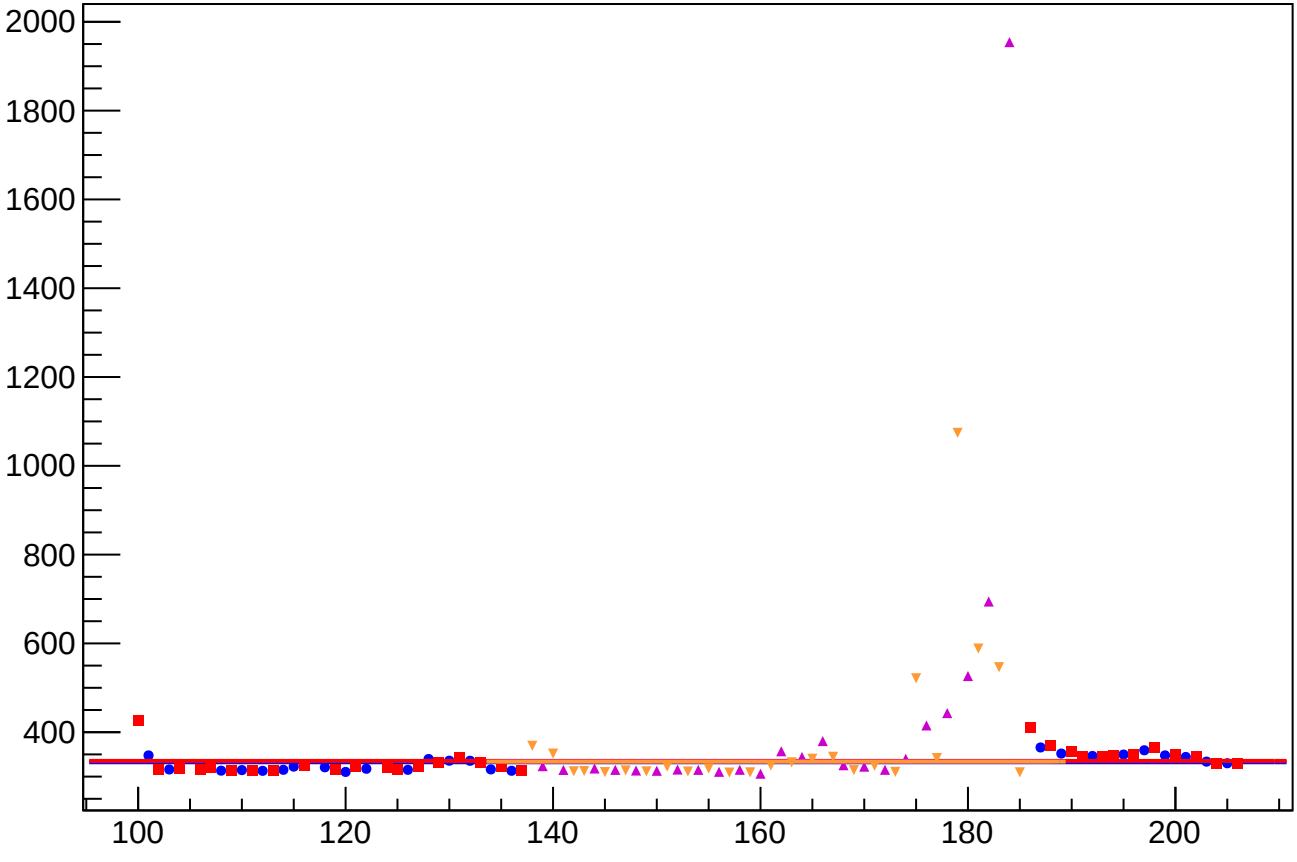
Left In: 0.037+/-0.081 χ^2/NDF:11.7/22

+ sign 0.046+/-0.059 χ^2/NDF: 45.1/49

All: 0.036+/-0.041 χ^2/NDF: 87.9/103

- sign 0.027+/-0.058 χ^2/NDF: 42.8/53

diff_bpm_4eX_4ecX_dd_rms vs Slug



Right In: 332.322+/-0.063 χ^2/NDF: 62790.3/24

Left Out: 333.783+/-0.056 χ^2/NDF:1217257.0/24

Right Out: 335.349+/-0.059 χ^2/NDF: 116206.8/30

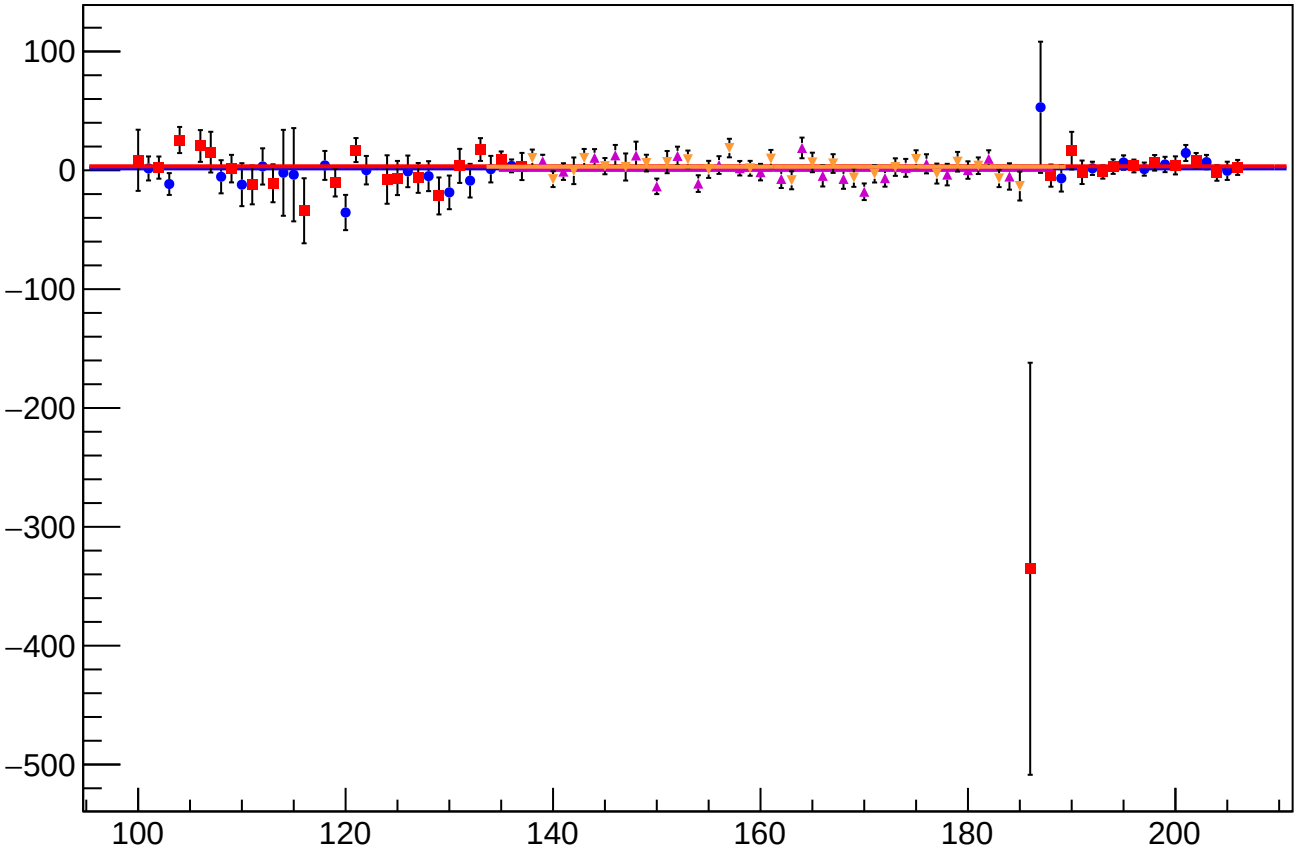
Left In: 333.979+/-0.057 χ^2/NDF:1050984.2/22

+ sign 333.137+/-0.042 χ^2/NDF: 1280349.8/49

All: 333.907+/-0.029 χ^2/NDF: 2448489.0/103

- sign 334.648+/-0.041 χ^2/NDF: 1167471.1/53

diff_bpm_4aY_4acY_avg_mean vs Slug



Right In: 1.620+/-1.800 χ^2/NDF: 19.1/24

Left Out: 3.023+/-1.542 χ^2/NDF:20.3/24

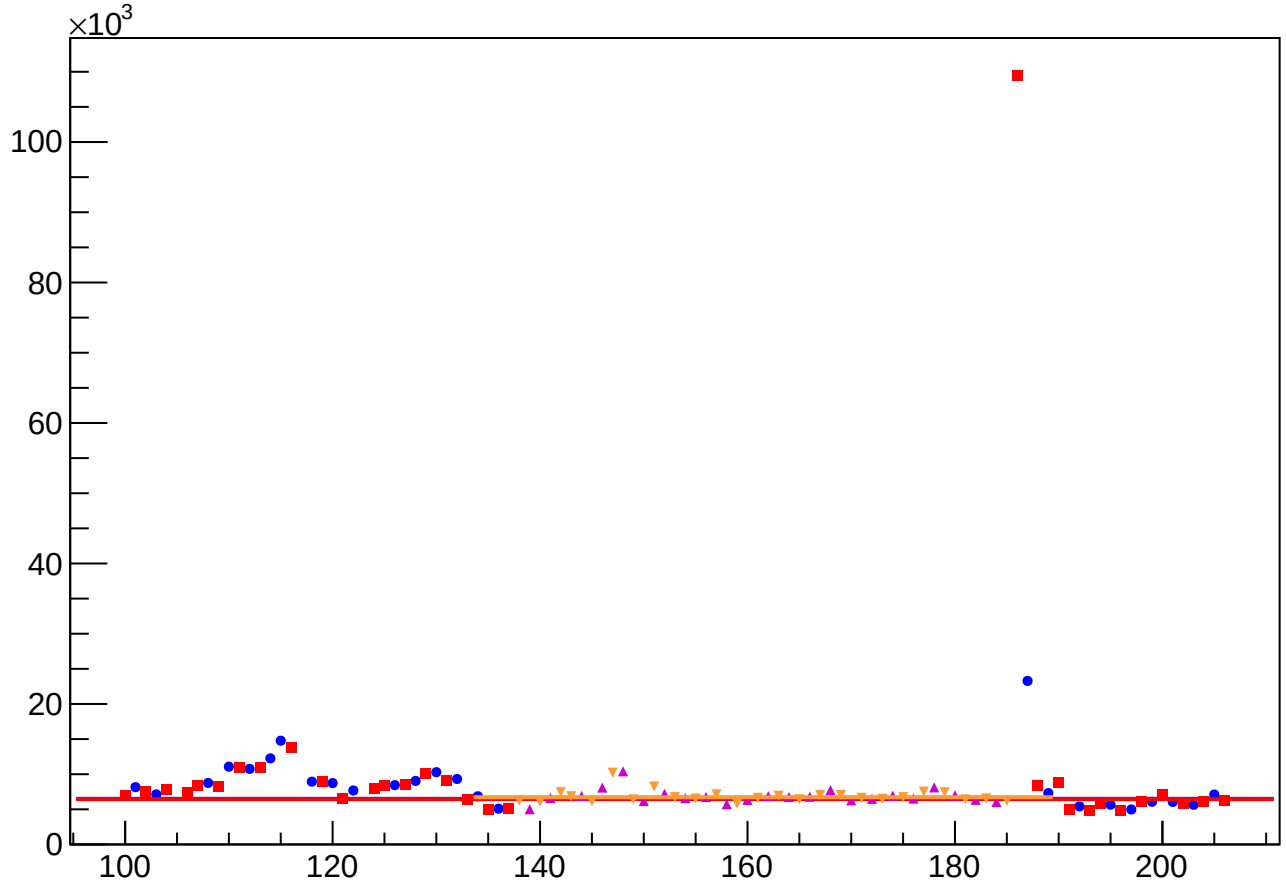
Right Out: 3.390+/-1.670 χ^2/NDF: 27.5/30

Left In: 0.351+/-1.568 χ^2/NDF:33.8/22

+ sign 2.429+/-1.171 χ^2/NDF: 39.8/49

All: 2.095+/-0.818 χ^2/NDF: 103.1/103

- sign 1.775+/-1.143 χ^2/NDF: 63.1/53



Right In: 6493.779+/-1.272 χ^2/NDF: 1700525.5/24

Left Out: 6722.984+/-1.090 χ^2/NDF:403317.7/24

Right Out: 6453.257+/-1.181 χ^2/NDF: 2371629.8/30

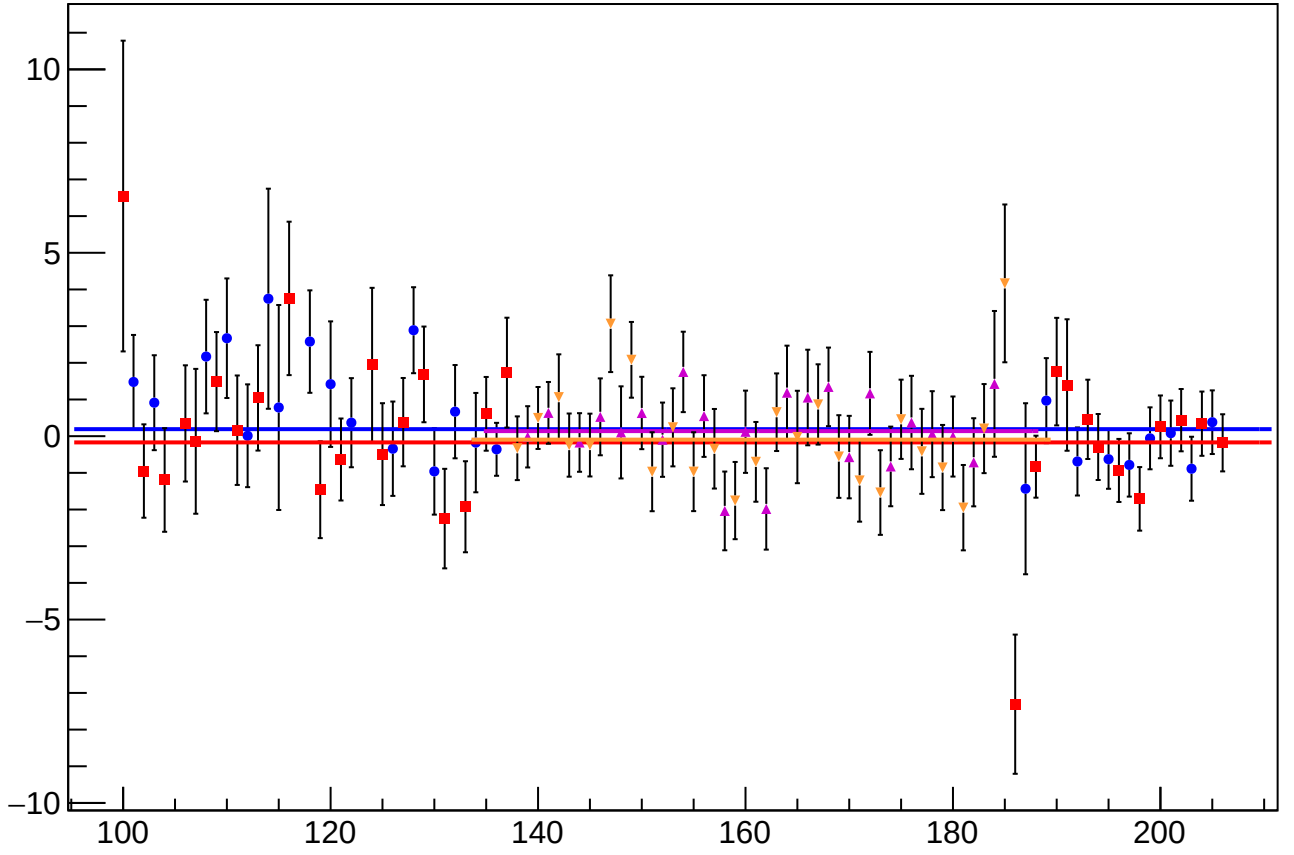
Left In: 6632.723+/-1.109 χ^2/NDF:629490.9/22

+ sign 6625.972+/-0.828 χ^2/NDF: 2122555.0/49

All: 6586.373+/-0.578 χ^2/NDF: 5140418.8/10

- sign 6548.616+/-0.808 χ^2/NDF: 3013394.3/53

diff_bpm_4aY_4acY_dd_mean vs Slug



Right In: 0.191+/-0.225 χ^2/NDF: 23.2/24

Left Out: -0.095+/-0.215 χ^2/NDF:27.3/24

Right Out: -0.170+/-0.211 χ^2/NDF: 42.9/30

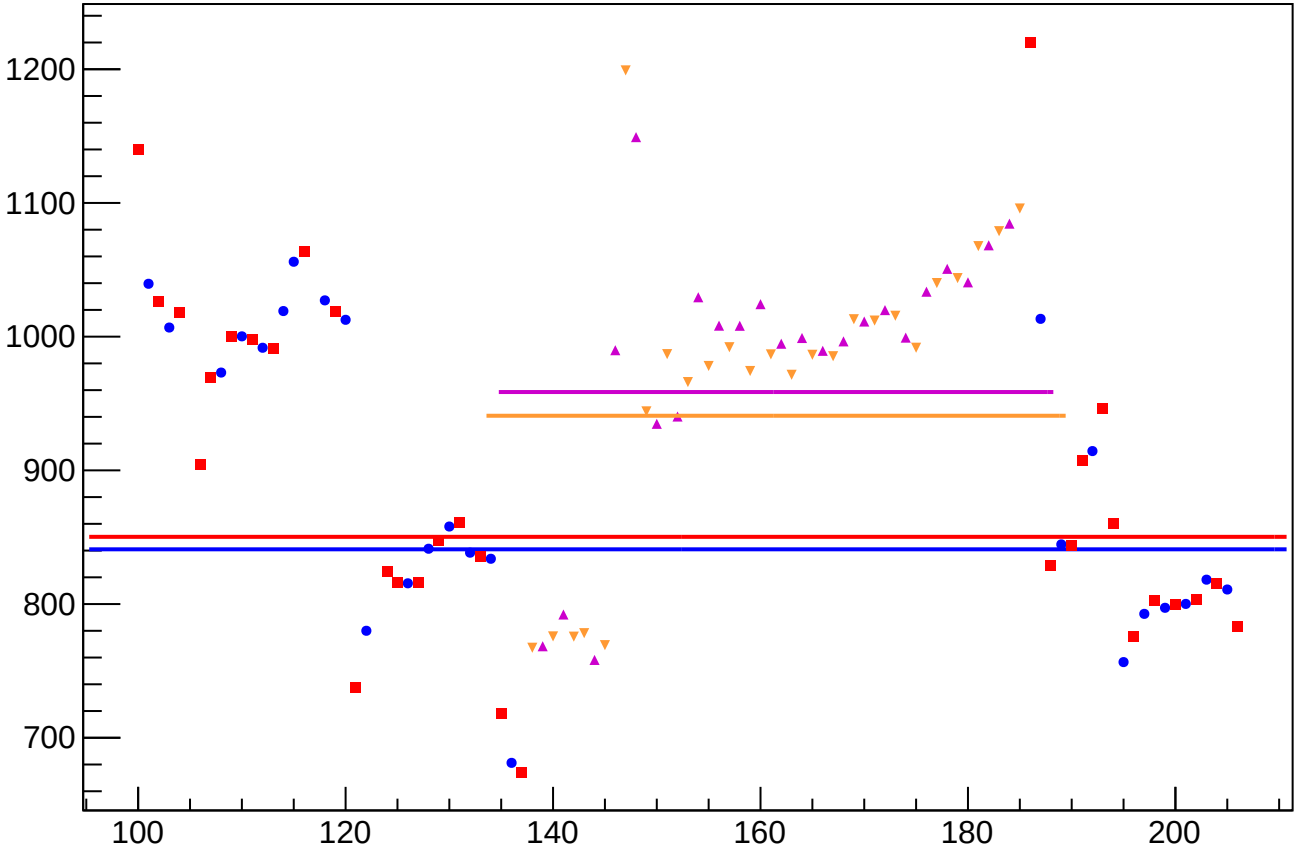
Left In: 0.138+/-0.225 χ^2/NDF:16.5/22

+ sign 0.042+/-0.156 χ^2/NDF: 51.4/49

All: 0.007+/-0.109 χ^2/NDF: 111.9/103

- sign -0.026+/-0.154 χ^2/NDF: 60.4/53

diff_bpm_4aY_4acY_dd_rms vs Slug



Right In: 840.945+/-0.159 χ^2/NDF: 381343.0/24

Left Out: 940.844+/-0.152 χ^2/NDF:568776.0/24

Right Out: 850.281+/-0.149 χ^2/NDF: 435360.4/30

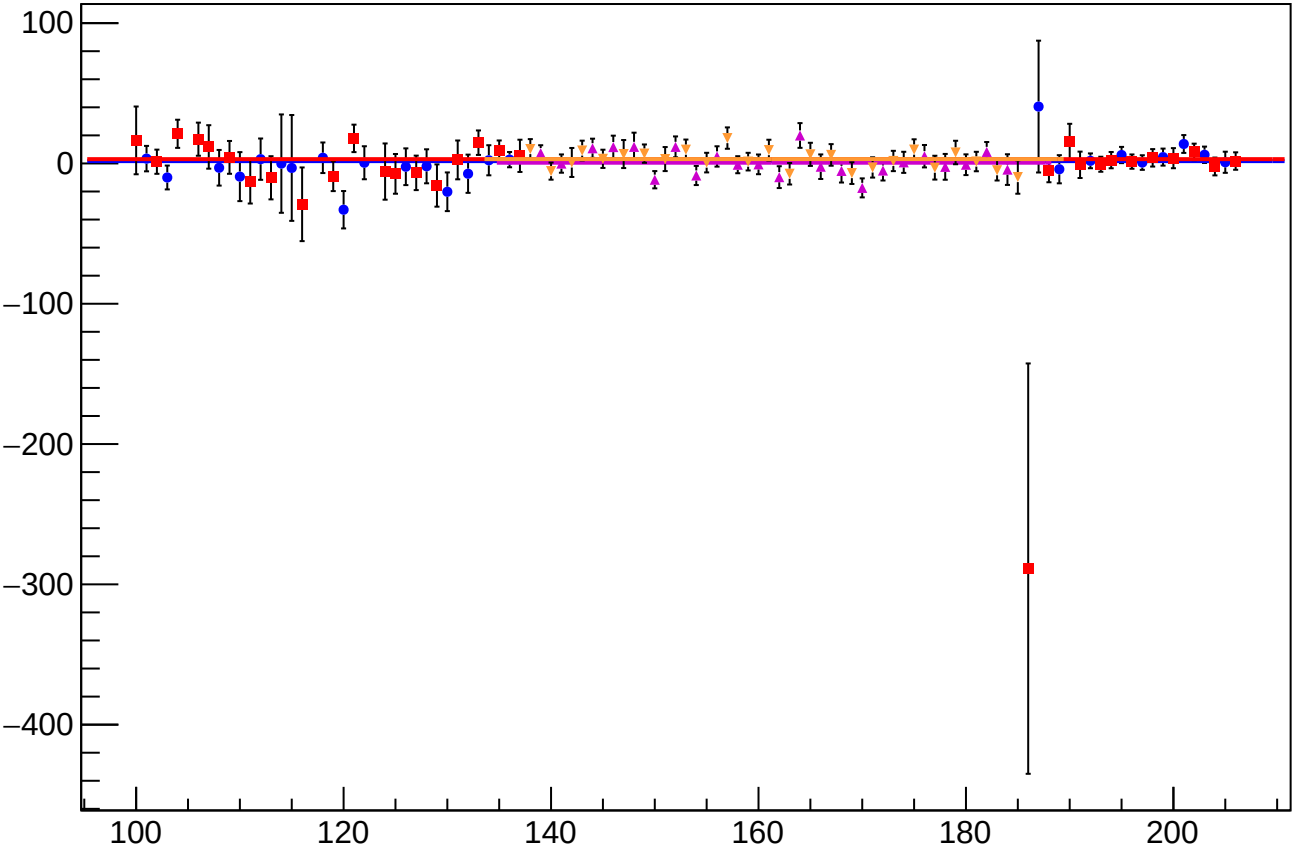
Left In: 958.578+/-0.159 χ^2/NDF:456824.8/22

+ sign 893.159+/-0.110 χ^2/NDF: 1155509.6/49

All: 897.036+/-0.077 χ^2/NDF: 2296482.5/103

- sign 900.827+/-0.109 χ^2/NDF: 1138520.0/53

diff_bpm_4aY_4eY_avg_mean vs Slug



Right In: 1.657+/-1.713 χ^2/NDF: 18.6/24

Left Out: 3.099+/-1.500 χ^2/NDF:18.6/24

Right Out: 3.061+/-1.585 χ^2/NDF: 26.0/30

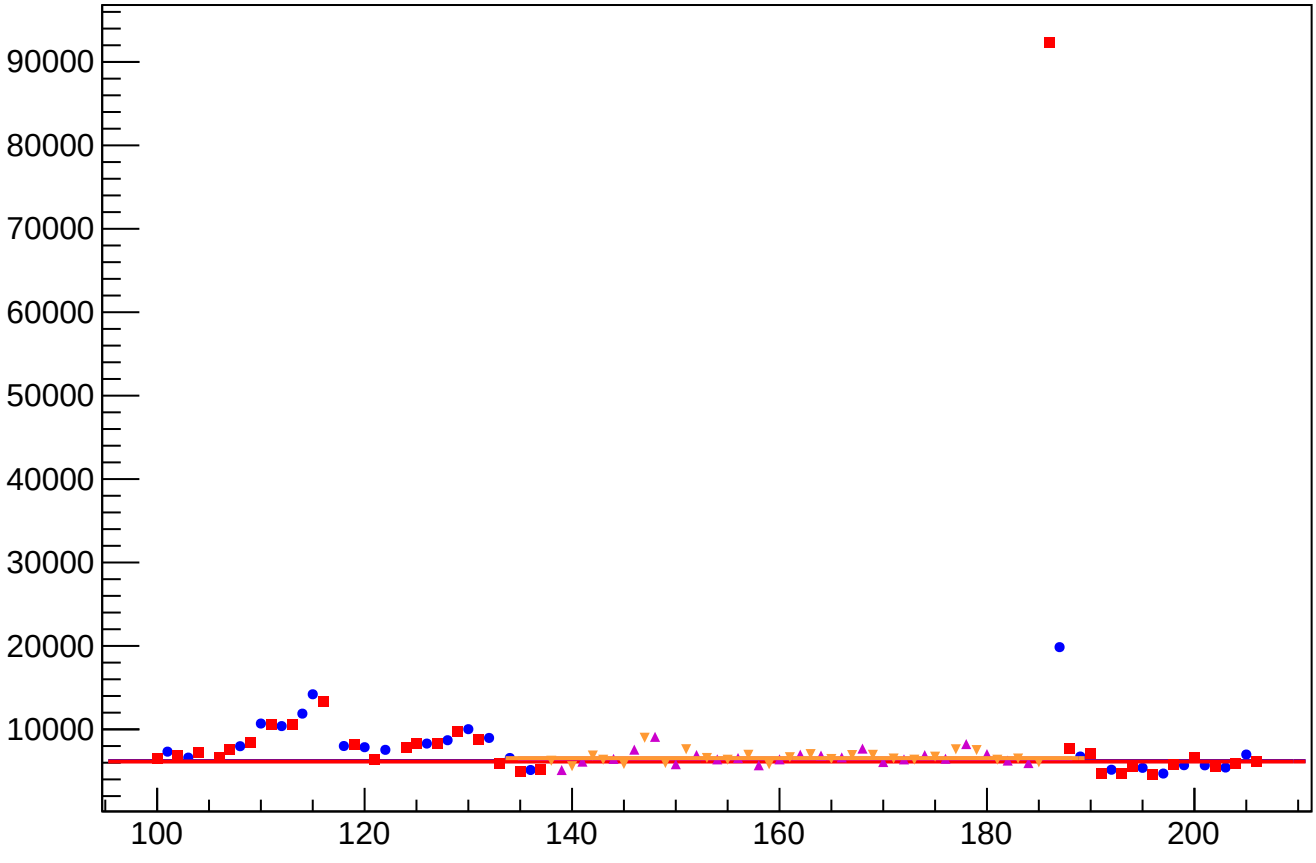
Left In: 0.519+/-1.535 χ^2/NDF:32.0/22

+ sign 2.473+/-1.129 χ^2/NDF: 37.6/49

All: 2.103+/-0.789 χ^2/NDF: 97.2/103

- sign 1.749+/-1.103 χ^2/NDF: 59.4/53

diff_bpm_4aY_4eY_avg_rms vs Slug



Right In: 6198.789+/-1.212 χ^2/NDF: 1617611.0/24

Left Out: 6548.897+/-1.061 χ^2/NDF:366072.4/24

Right Out: 6145.414+/-1.121 χ^2/NDF: 2297245.9/30

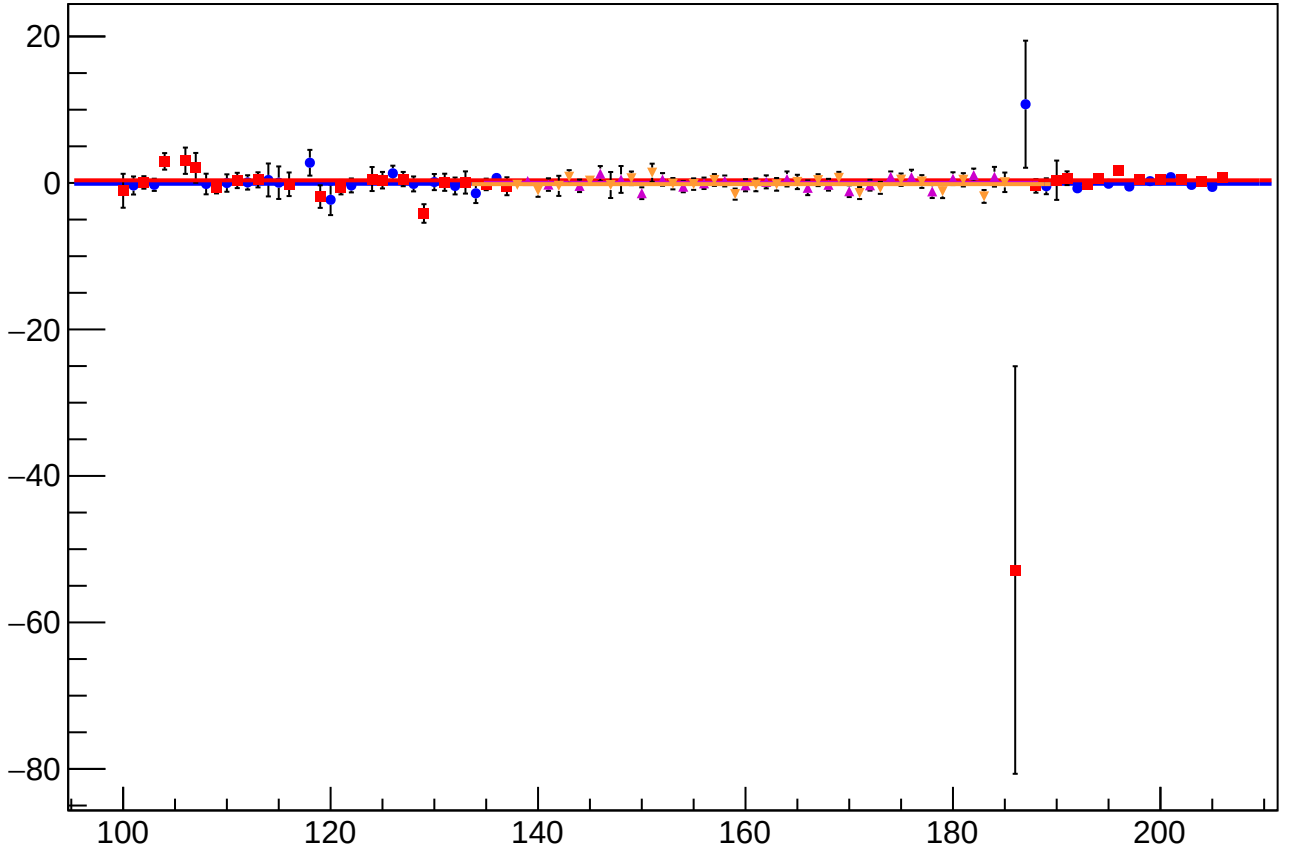
Left In: 6505.057+/-1.085 χ^2/NDF:515496.8/22

+ sign 6396.969+/-0.798 χ^2/NDF: 2030950.2/49

All: 6363.243+/-0.558 χ^2/NDF: 4900311.7/10

- sign 6331.053+/-0.780 χ^2/NDF: 2865871.5/53

diff_bpm_4aY_4eY_dd_mean vs Slug



Right In: -0.113+/-0.160 χ^2/NDF: 15.7/24

Left Out: -0.162+/-0.172 χ^2/NDF:19.0/24

Right Out: 0.358+/-0.149 χ^2/NDF: 39.1/30

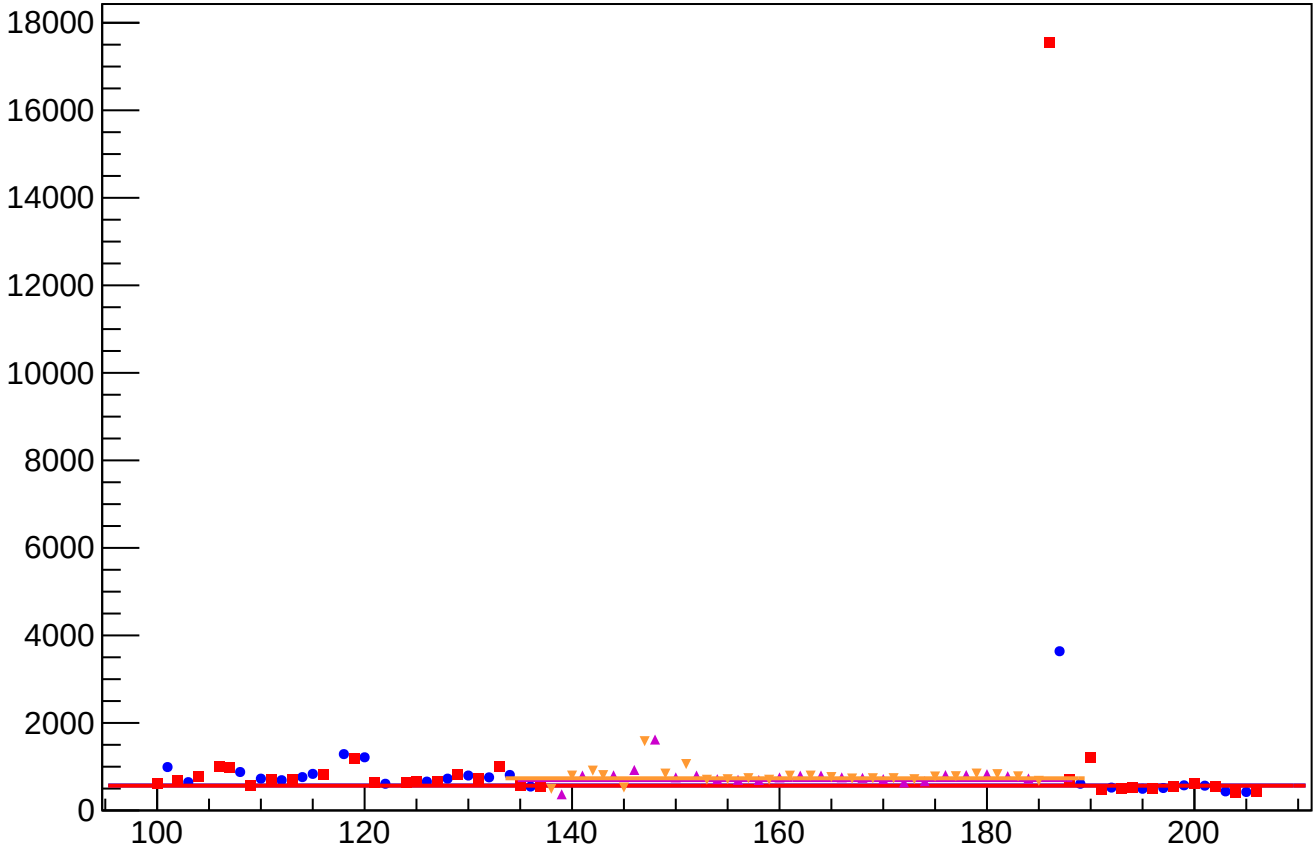
Left In: 0.017+/-0.169 χ^2/NDF:15.2/22

+ sign -0.136+/-0.117 χ^2/NDF: 34.7/49

All: 0.045+/-0.081 χ^2/NDF: 95.9/103

- sign 0.210+/-0.112 χ^2/NDF: 56.6/53

diff_bpm_4aY_4eY_dd_rms vs Slug



Right In: 571.398+/-0.113 χ^2/NDF: 1959751.2/24

Left Out: 734.984+/-0.122 χ^2/NDF:1339748.9/24

Right Out: 566.134+/-0.105 χ^2/NDF: 2534529.5/30

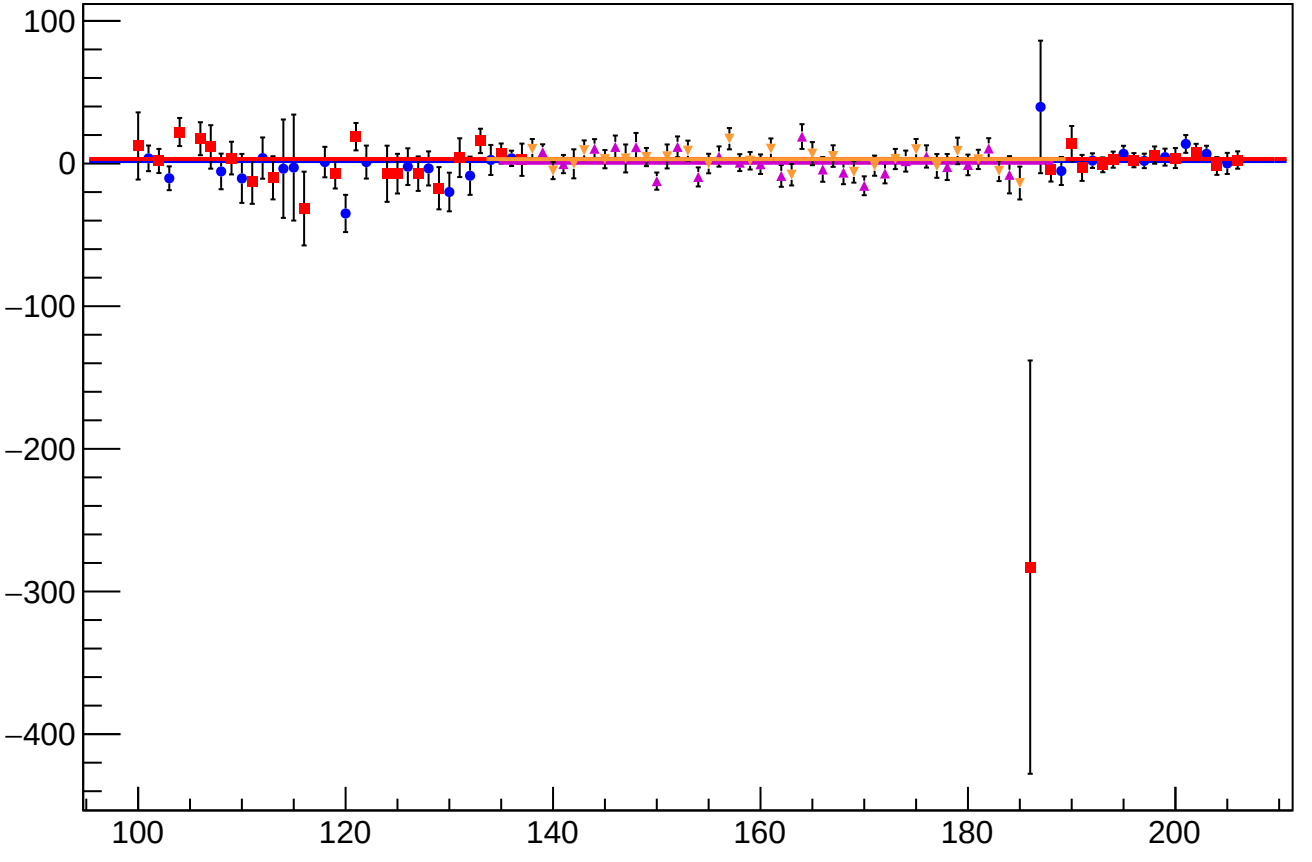
Left In: 694.150+/-0.120 χ^2/NDF:2225094.5/22

+ sign 647.168+/-0.083 χ^2/NDF: 4269331.3/49

All: 633.931+/-0.057 χ^2/NDF: 9724684.6/103

- sign 621.915+/-0.079 χ^2/NDF: 5406630.8/53

diff_bpm_4aY_4ecY_avg_mean vs Slug



Right In: 1.757+/-1.680 χ^2/NDF: 21.2/24

Left Out: 3.111+/-1.476 χ^2/NDF:18.7/24

Right Out: 3.226+/-1.553 χ^2/NDF: 27.1/30

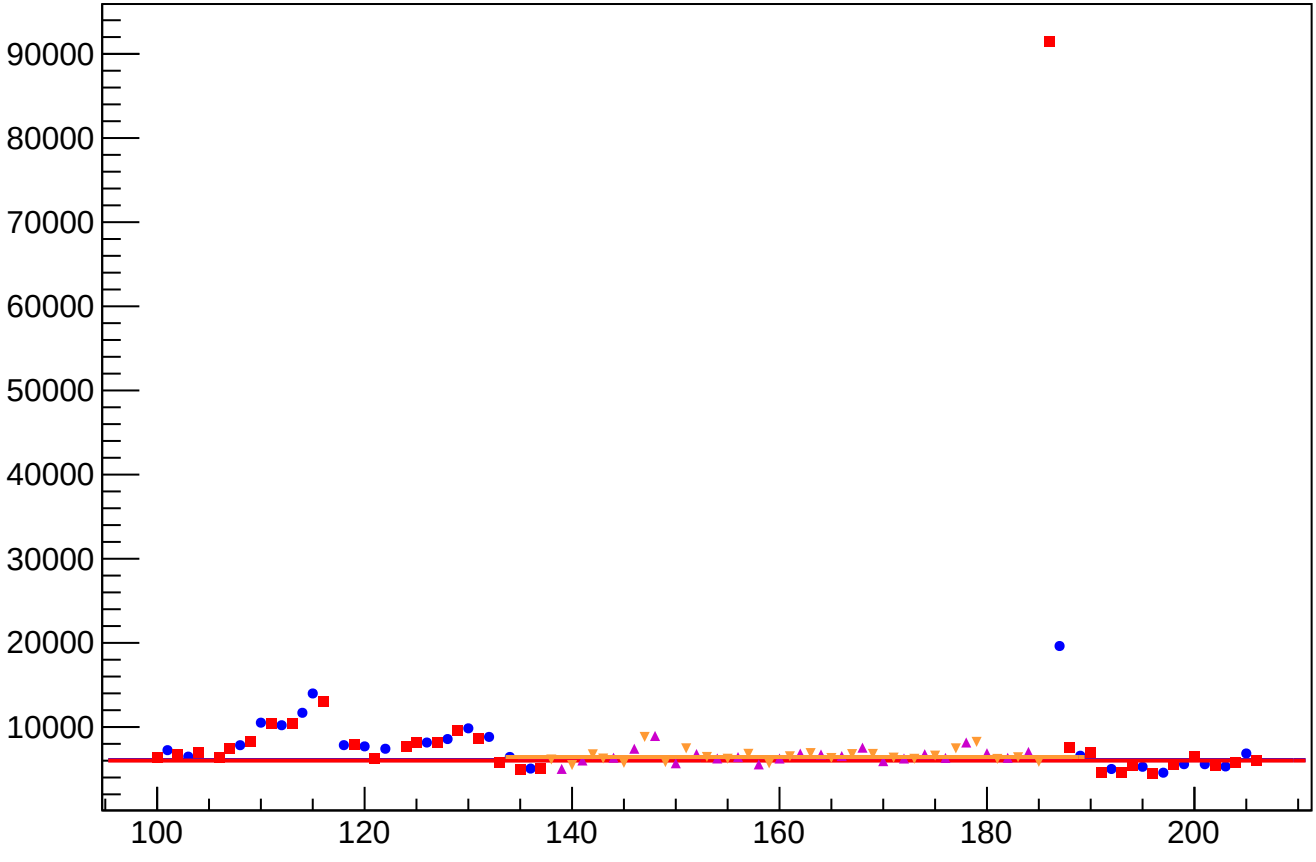
Left In: 0.550+/-1.512 χ^2/NDF:33.6/22

+ sign 2.521+/-1.109 χ^2/NDF: 40.3/49

All: 2.179+/-0.775 χ^2/NDF: 102.7/103

- sign 1.852+/-1.084 χ^2/NDF: 62.2/53

diff_bpm_4aY_4ecY_avg_rms vs Slug



Right In: 6071.471+/-1.188 χ^2/NDF: 1645831.8/24

Left Out: 6435.363+/-1.044 χ^2/NDF:417318.3/24

Right Out: 6015.544+/-1.098 χ^2/NDF: 2318506.1/30

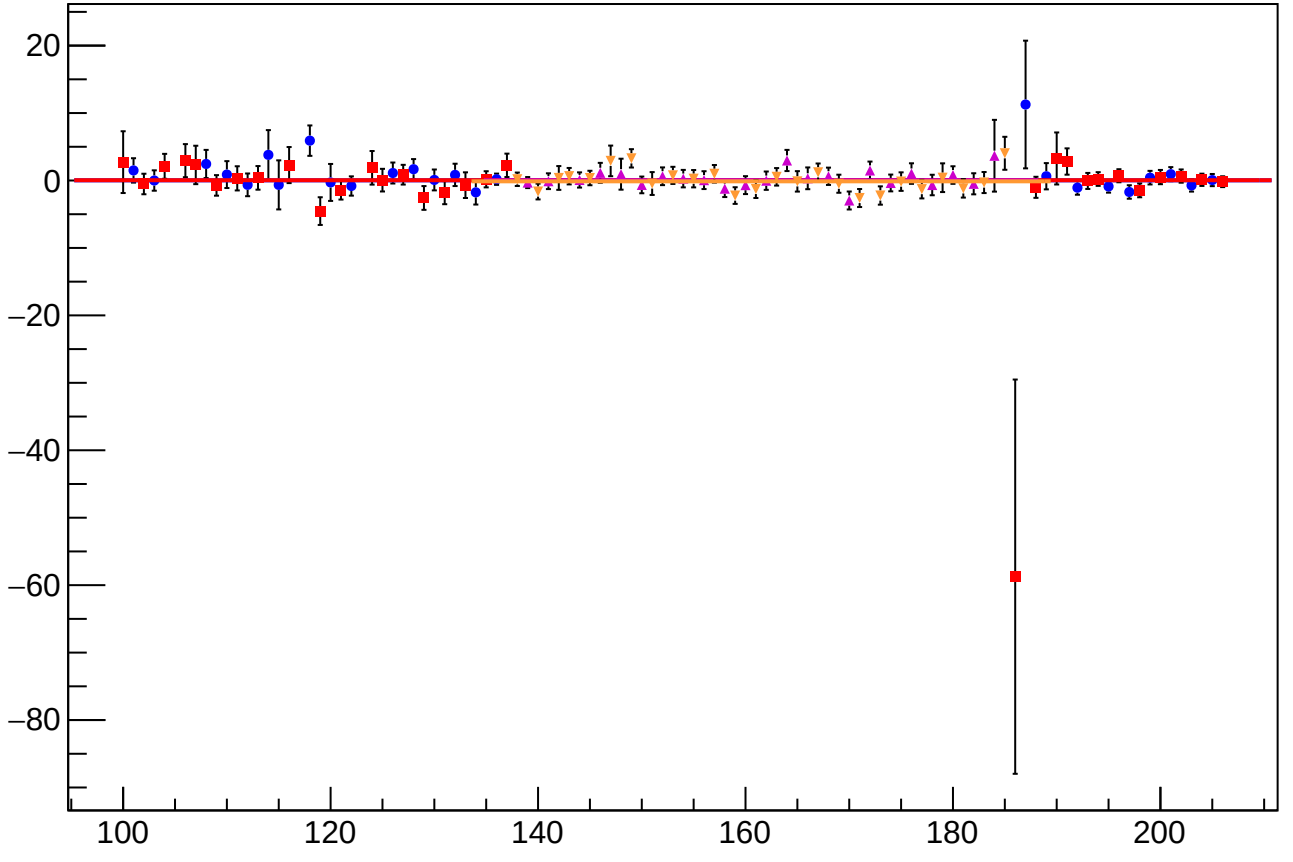
Left In: 6405.229+/-1.069 χ^2/NDF:525079.4/22

+ sign 6276.791+/-0.784 χ^2/NDF: 2116107.3/49

All: 6245.471+/-0.548 χ^2/NDF: 5027433.8/10

- sign 6215.563+/-0.766 χ^2/NDF: 2908207.3/53

diff_bpm_4aY_4ecY_dd_mean vs Slug



Right In: 0.023+/-0.271 χ^2/NDF: 21.7/24

Left Out: -0.122+/-0.273 χ^2/NDF:27.0/24

Right Out: 0.041+/-0.257 χ^2/NDF: 27.5/30

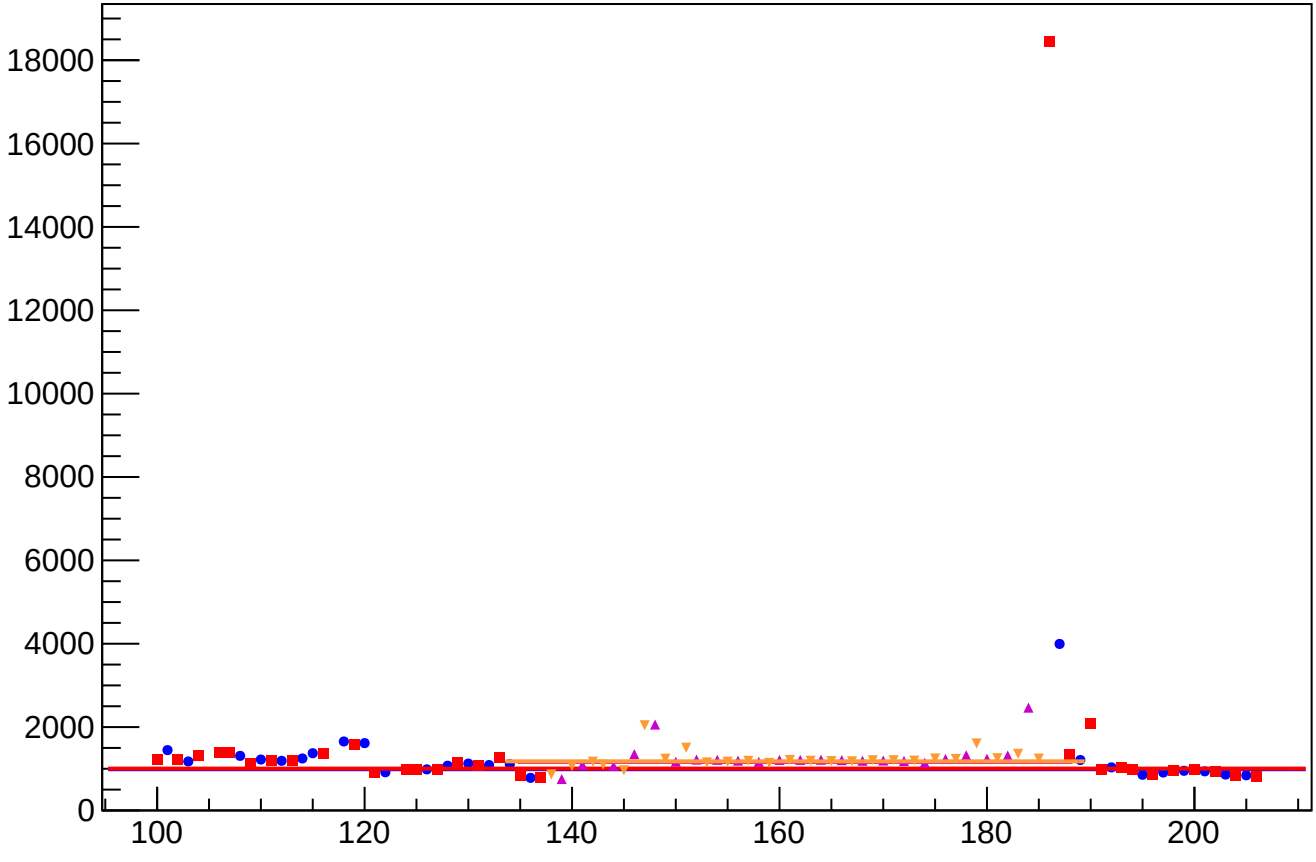
Left In: 0.029+/-0.279 χ^2/NDF:14.4/22

+ sign -0.049+/-0.192 χ^2/NDF: 48.8/49

All: -0.006+/-0.135 χ^2/NDF: 90.8/103

- sign 0.035+/-0.189 χ^2/NDF: 41.9/53

diff_bpm_4aY_4ecY_dd_rms vs Slug



Right In: 989.340+/-0.192 χ^2/NDF: 1123004.9/24

Left Out: 1177.742+/-0.193 χ^2/NDF:800899.0/24

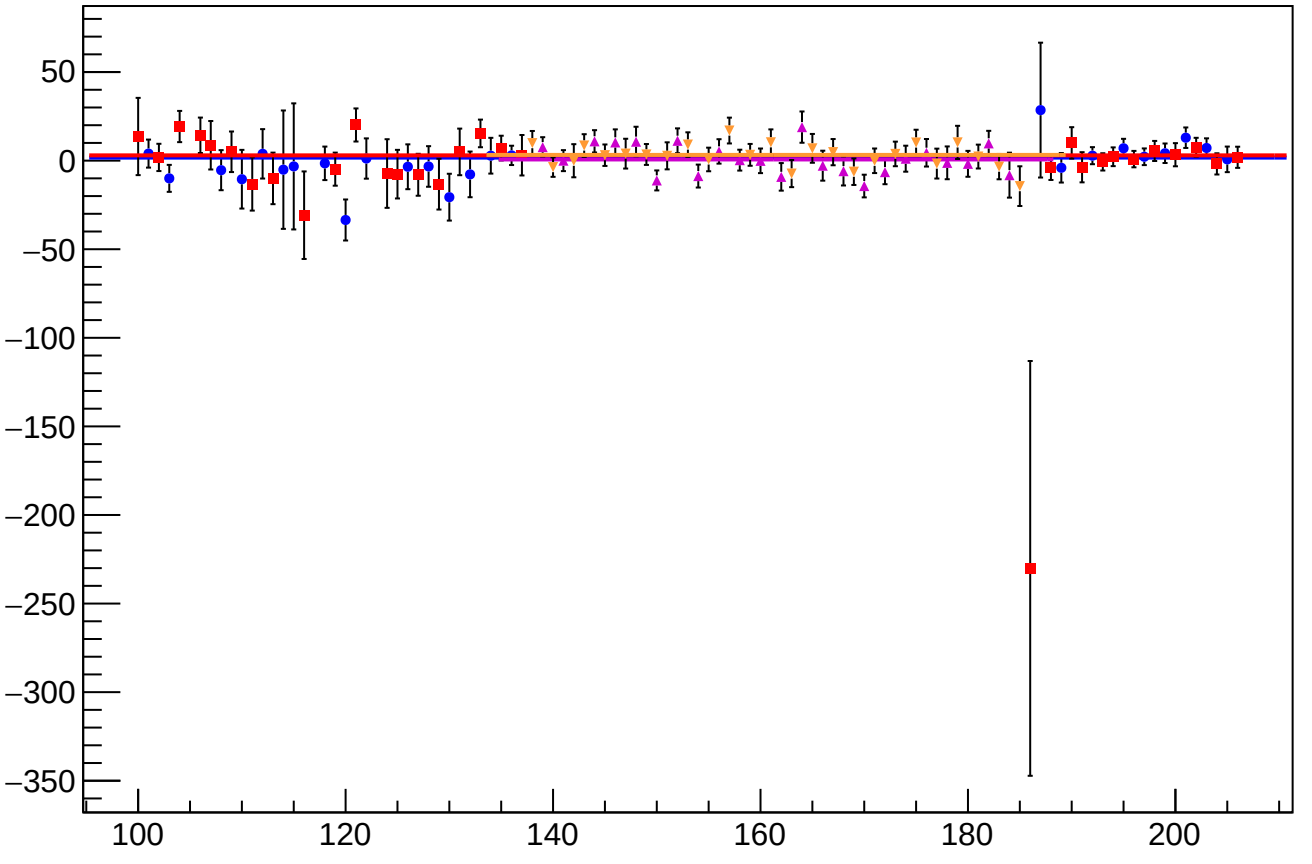
Right Out: 1004.084+/-0.182 χ^2/NDF: 1792594.5/30

Left In: 1163.827+/-0.197 χ^2/NDF:1052206.0/22

+ sign 1082.747+/-0.136 χ^2/NDF: 2402865.9/49

All: 1080.125+/-0.095 χ^2/NDF: 5603388.4/10

- sign 1077.597+/-0.134 χ^2/NDF: 3199793.6/53



Right In: 1.717+/-1.578 χ^2/NDF: 23.7/24

Left Out: 3.234+/-1.430 χ^2/NDF:17.9/24

Right Out: 2.980+/-1.451 χ^2/NDF: 27.4/30

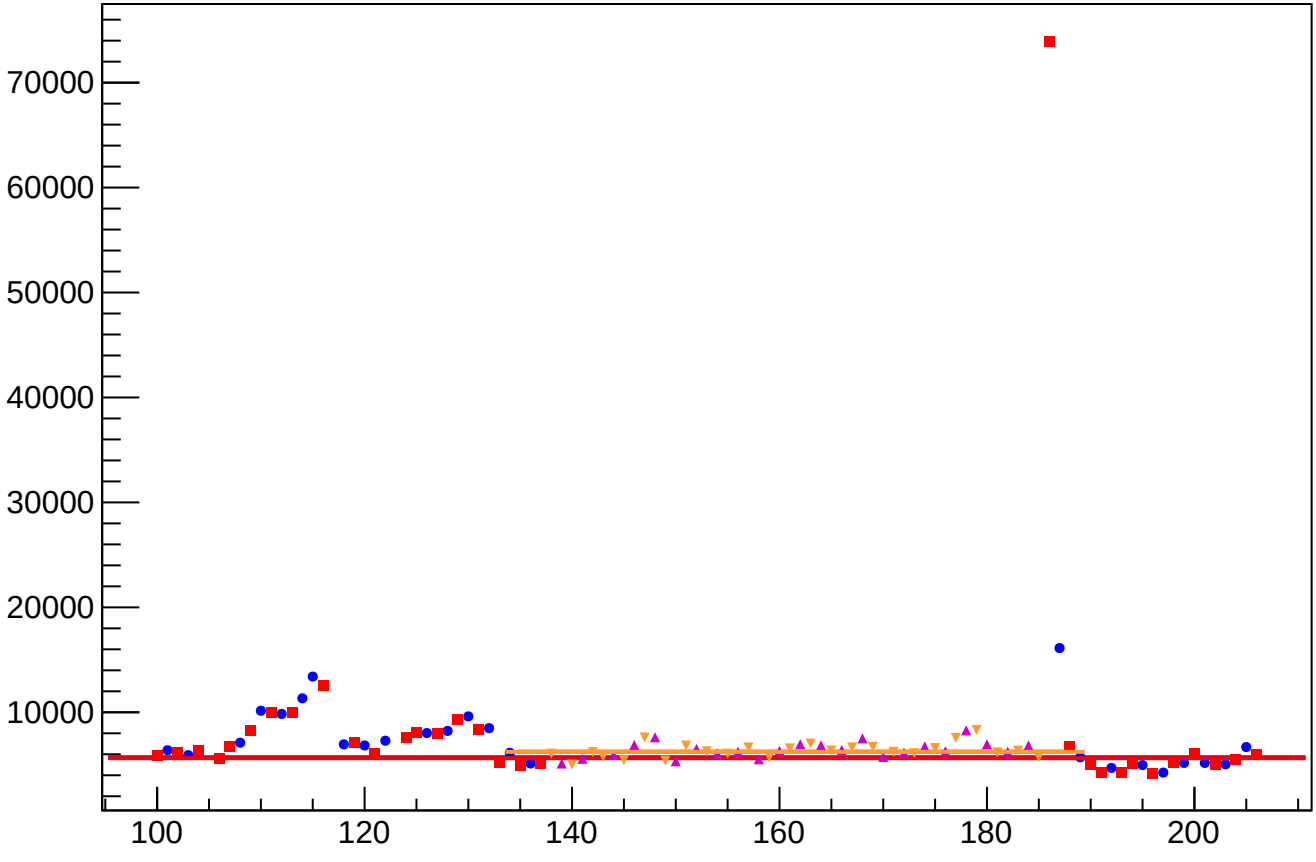
Left In: 0.667+/-1.474 χ^2/NDF:32.4/22

+ sign 2.550+/-1.060 χ^2/NDF: 42.1/49

All: 2.187+/-0.740 χ^2/NDF: 103.3/103

- sign 1.841+/-1.034 χ^2/NDF: 61.1/53

diff_bpm_4eY_4ecY_avg_rms vs Slug



Right In: 5709.425+/-1.116 χ^2/NDF: 1634985.7/24

Left Out: 6228.654+/-1.011 χ^2/NDF:470851.7/24

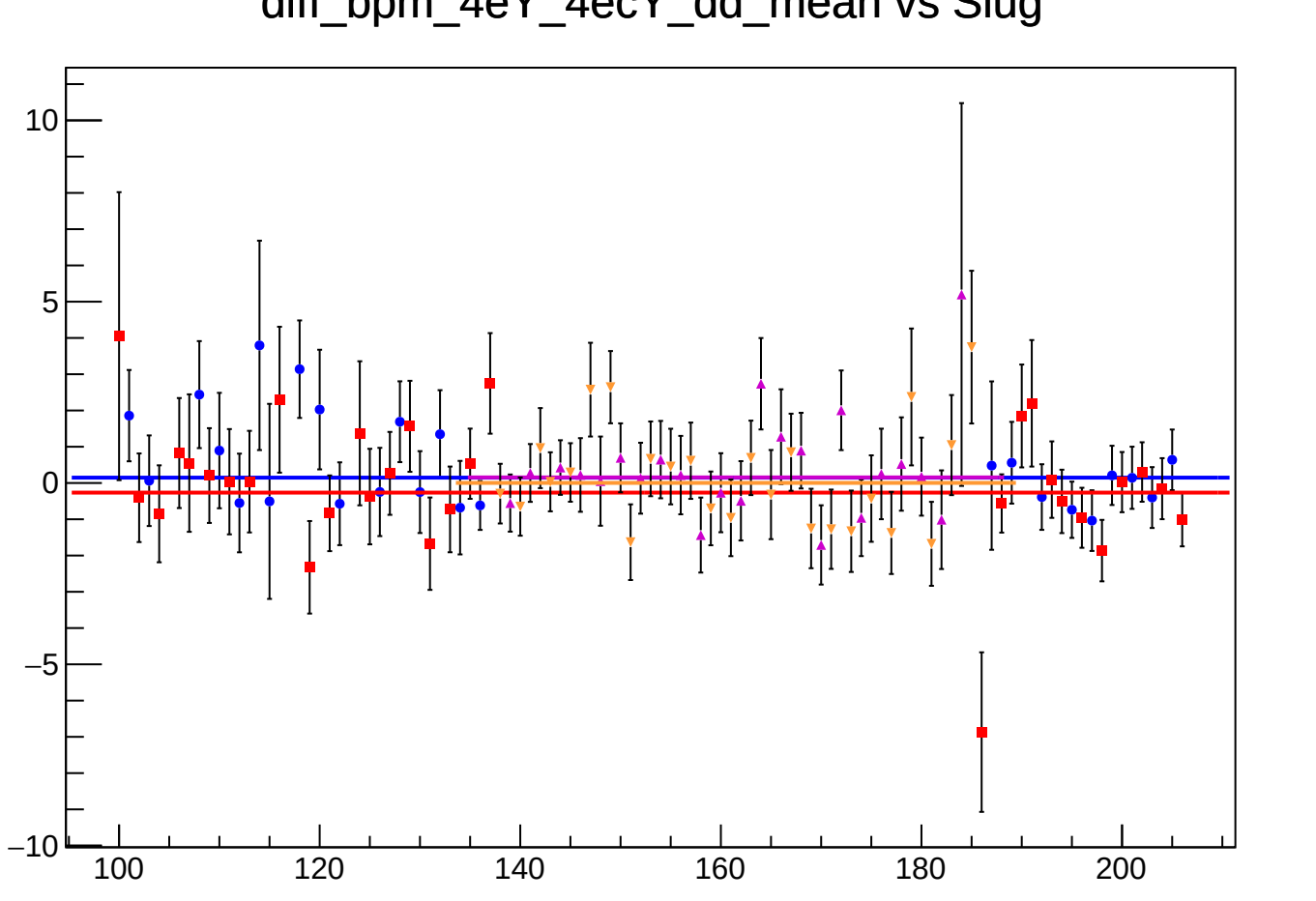
Right Out: 5627.979+/-1.026 χ^2/NDF: 2339253.9/30

Left In: 6246.800+/-1.042 χ^2/NDF:484982.9/22

+ sign 5994.640+/-0.749 χ^2/NDF: 2224744.8/49

All: 5962.888+/-0.523 χ^2/NDF: 5231518.7/10

- sign 5932.646+/-0.731 χ^2/NDF: 3003267.1/53



Right In: 0.148+/-0.216 χ^2/NDF: 22.4/24

Left Out: 0.003+/-0.212 χ^2/NDF:31.6/24

Right Out: -0.265+/-0.203 χ^2/NDF: 36.0/30

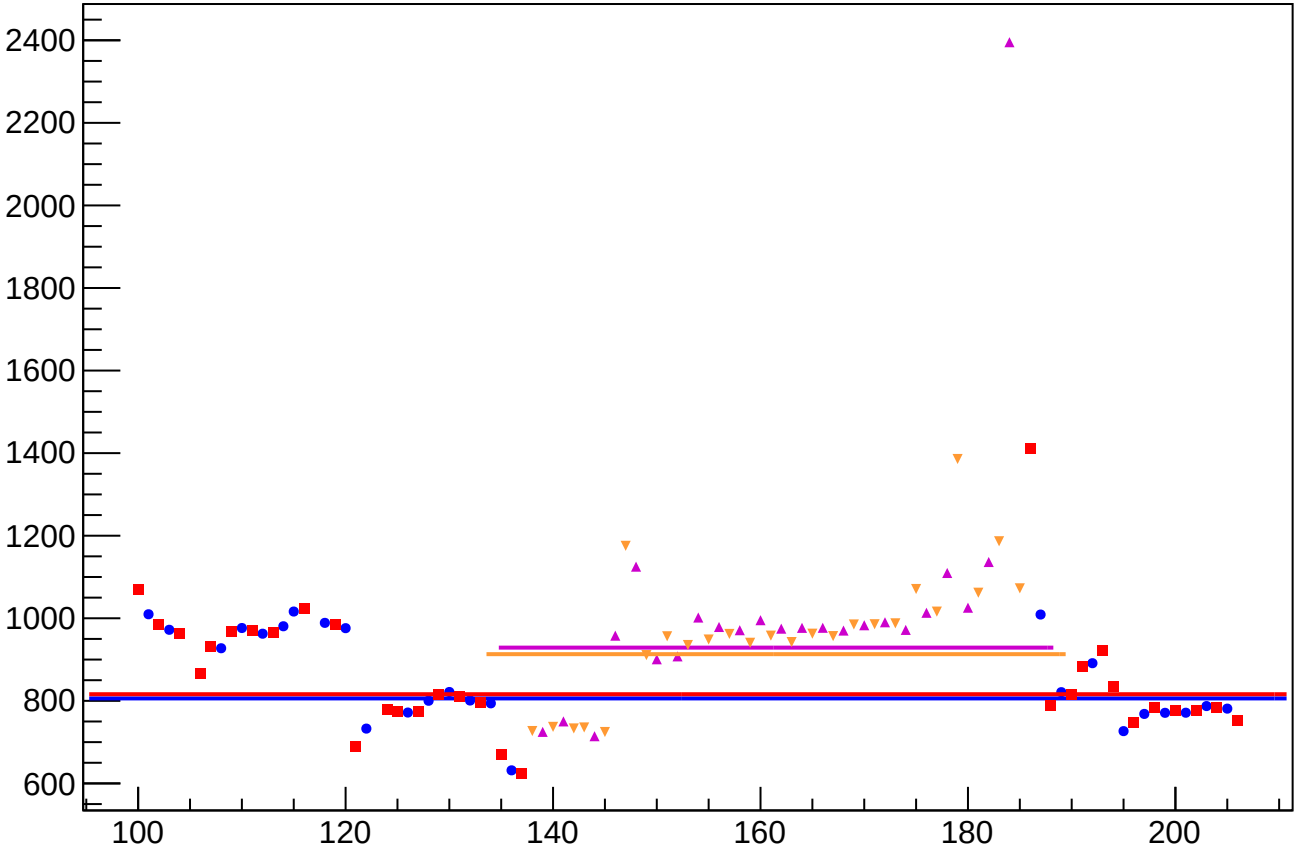
Left In: 0.154+/-0.221 χ^2/NDF:18.4/22

+ sign 0.074+/-0.151 χ^2/NDF: 54.3/49

All: -0.001+/-0.106 χ^2/NDF: 111.2/103

- sign -0.073+/-0.149 χ^2/NDF: 56.4/53

diff_bpm_4eY_4ecY_dd_rms vs Slug



Right In: 805.860+/-0.153 χ^2/NDF: 440583.7/24

Left Out: 913.070+/-0.150 χ^2/NDF:889200.0/24

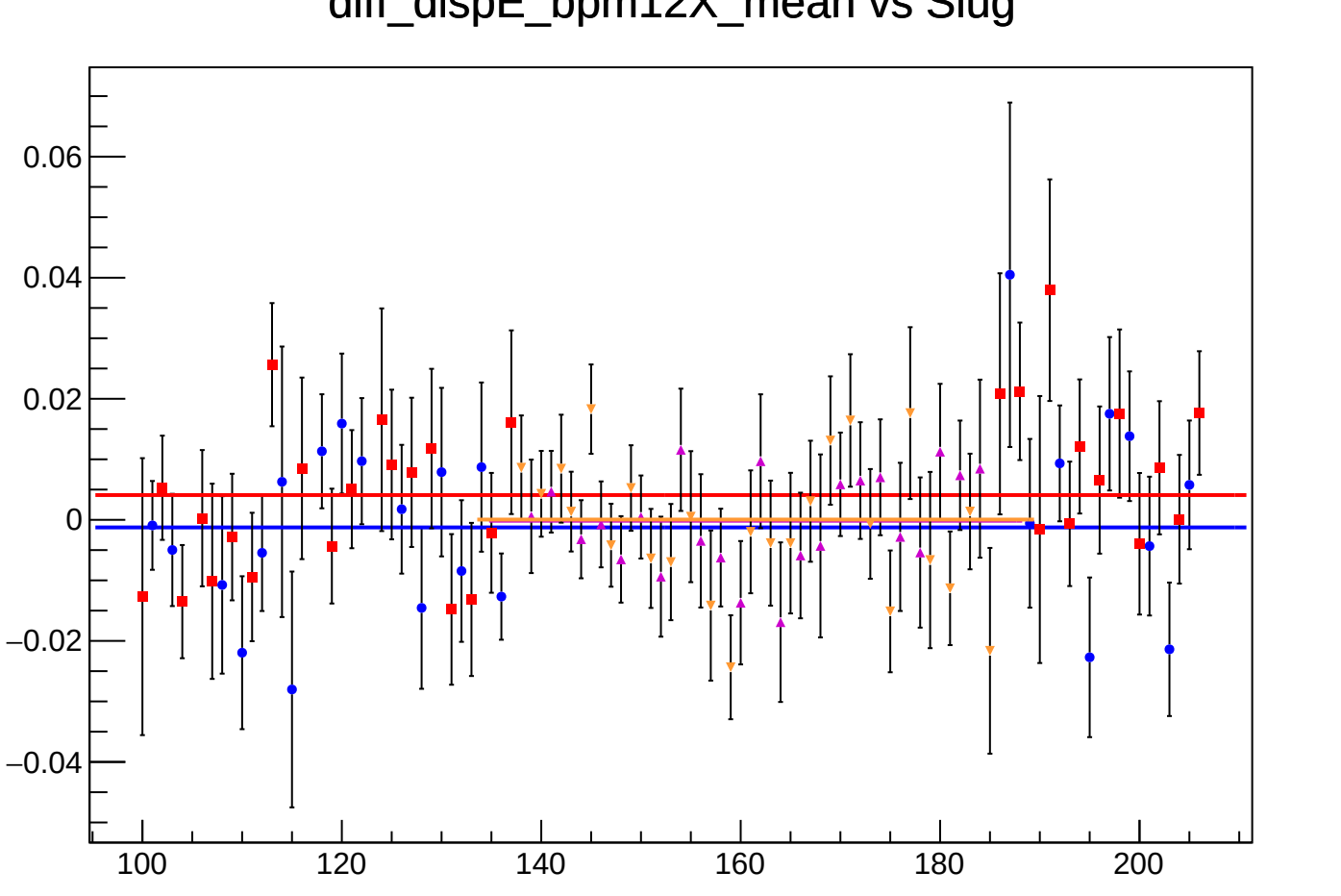
Right Out: 816.061+/-0.143 χ^2/NDF: 545187.7/30

Left In: 928.913+/-0.156 χ^2/NDF:769065.0/22

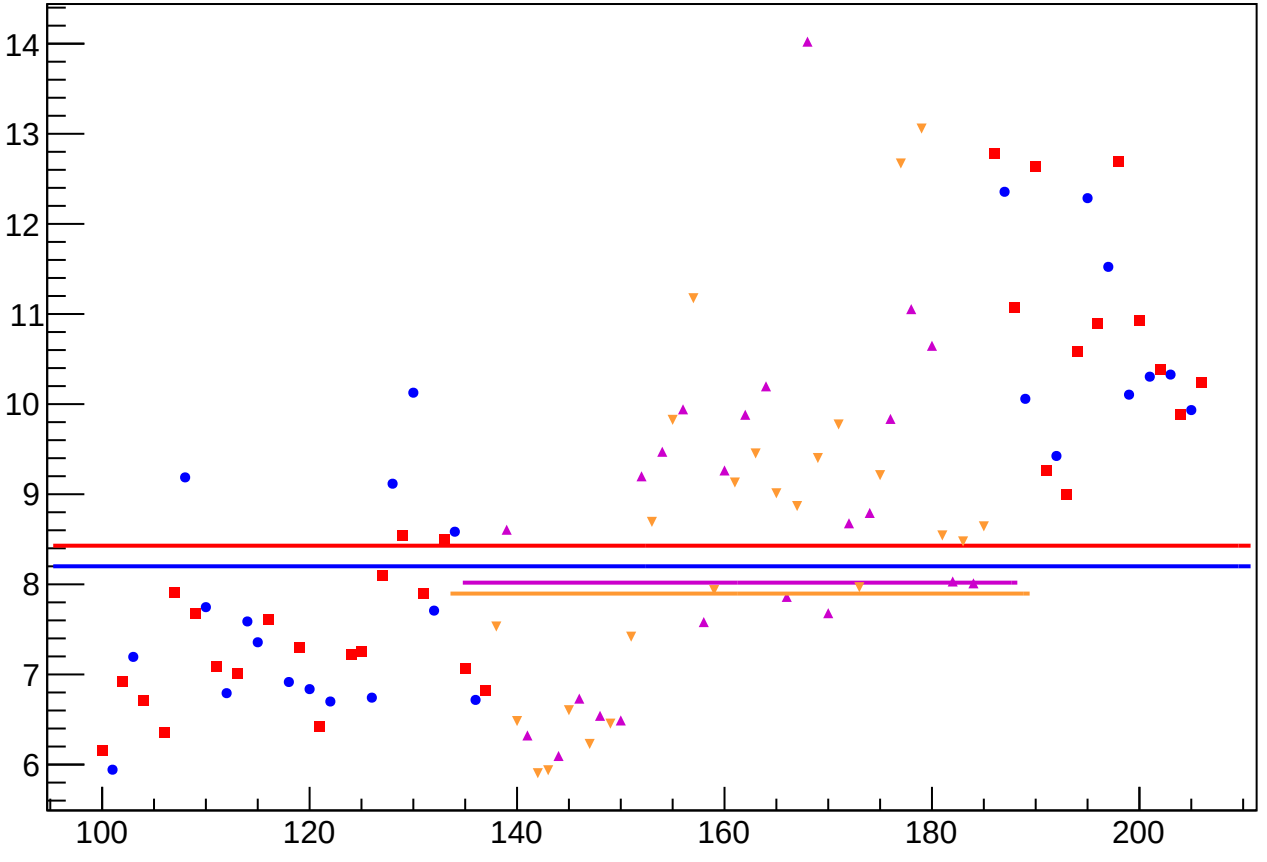
+ sign 860.592+/-0.107 χ^2/NDF: 1580333.1/49

All: 864.170+/-0.075 χ^2/NDF: 3179692.9/103

- sign 867.656+/-0.106 χ^2/NDF: 1597155.1/53


diff_dispE_bpm12X_mean vs Slug
0.06
0.04
0.02
0
−0.02
−0.04
100
120
140
160
180
200
Right In: -0.001+/-0.002 χ²/NDF: 29.5/24
Left Out: 0.000+/-0.002 χ²/NDF:31.1/24
Right Out: 0.004+/-0.002 χ²/NDF: 29.4/30
Left In: -0.000+/-0.002 χ²/NDF:12.8/22
+ sign -0.000+/-0.001 χ²/NDF: 60.9/49
All: 0.001+/-0.001 χ²/NDF: 106.5/103
- sign 0.002+/-0.001 χ²/NDF: 44.4/53

diff_dispE_bpm12X_rms vs Slug



Right In: 8.200+/-0.002 χ^2/NDF: 1254625.7/24

Left Out: 7.897+/-0.001 χ^2/NDF:1590867.7/24

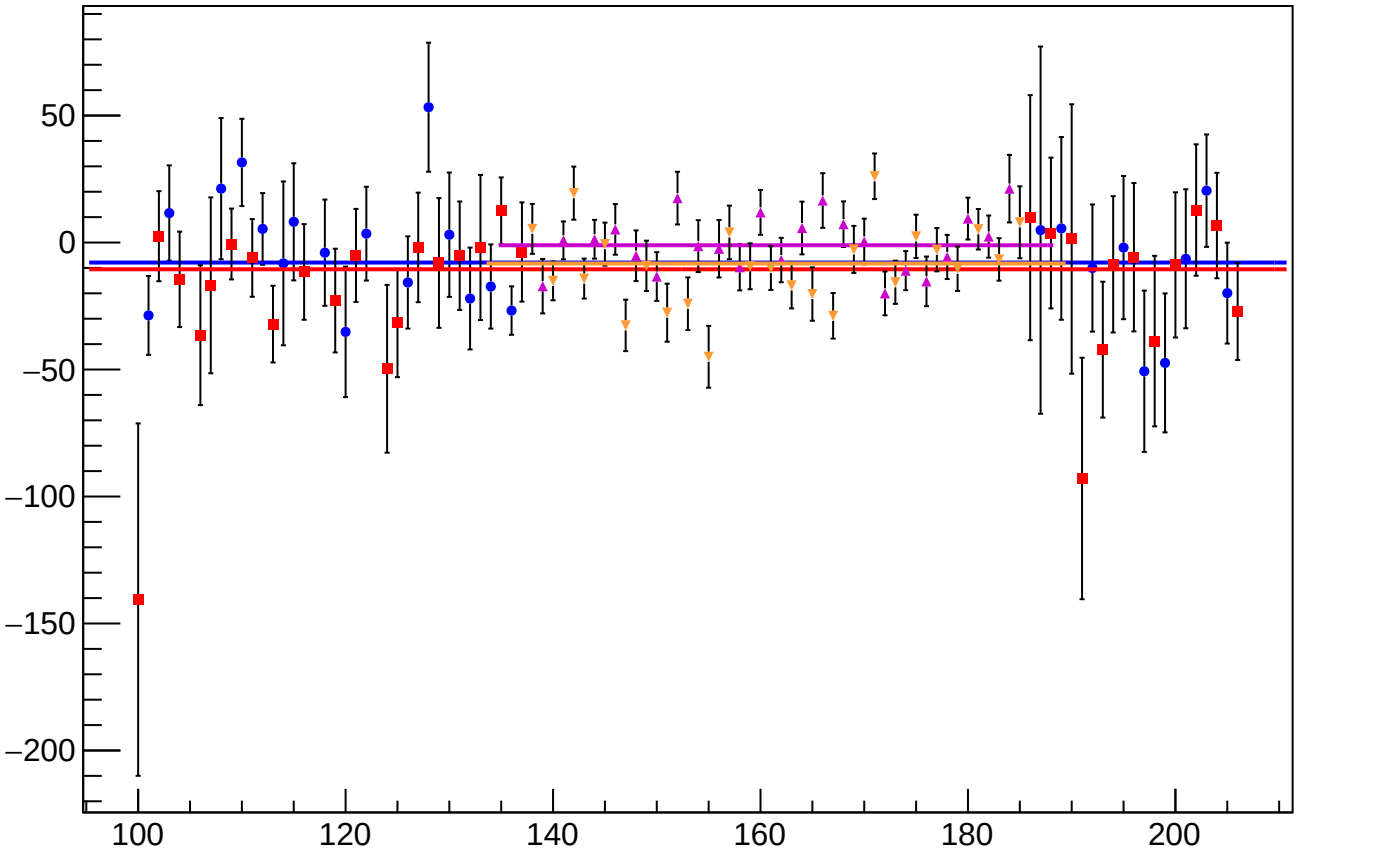
Right Out: 8.429+/-0.002 χ^2/NDF: 1397161.5/30

Left In: 8.019+/-0.001 χ^2/NDF:1455714.6/22

+ sign 8.020+/-0.001 χ^2/NDF: 2867268.2/49

All: 8.111+/-0.001 χ^2/NDF: 5777537.3/103

- sign 8.202+/-0.001 χ^2/NDF: 2893838.6/53



Right In: -7.882+/-4.026 χ^2/NDF: 29.2/24

Left Out: -8.256+/-1.849 χ^2/NDF:62.2/24

Right Out: -10.539+/-3.953 χ^2/NDF: 21.9/30

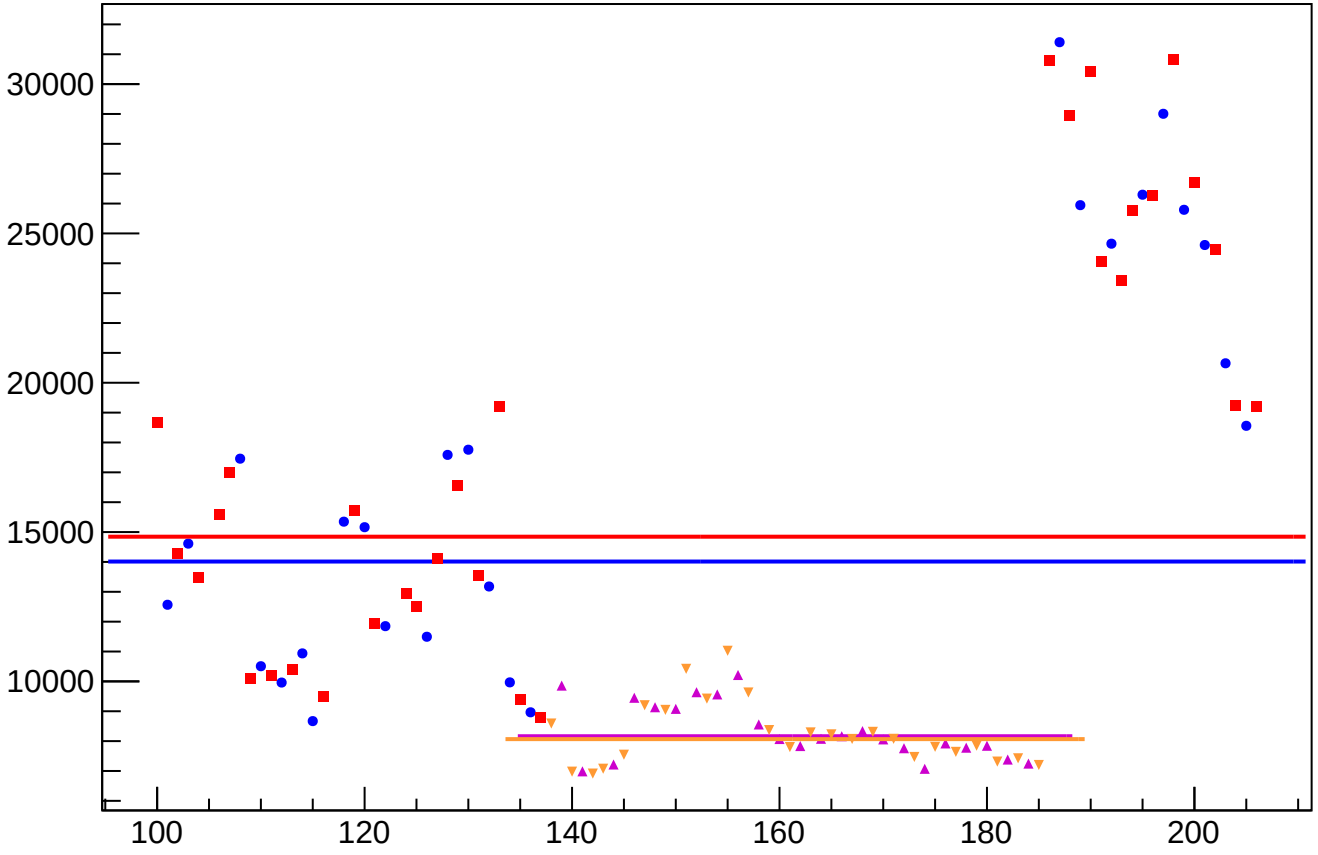
Left In: -1.072+/-1.921 χ^2/NDF:28.8/22

+ sign -8.191+/-1.681 χ^2/NDF: 91.4/49

All: -5.609+/-1.205 χ^2/NDF: 151.6/103

- sign -2.880+/-1.728 χ^2/NDF: 55.4/53

diff_targ_positionX_rms vs Slug



Right In: 14013.190+/-2.847 χ^2/NDF: 3748797.7/24

Left Out: 8066.710+/-1.308 χ^2/NDF:498146.1/24

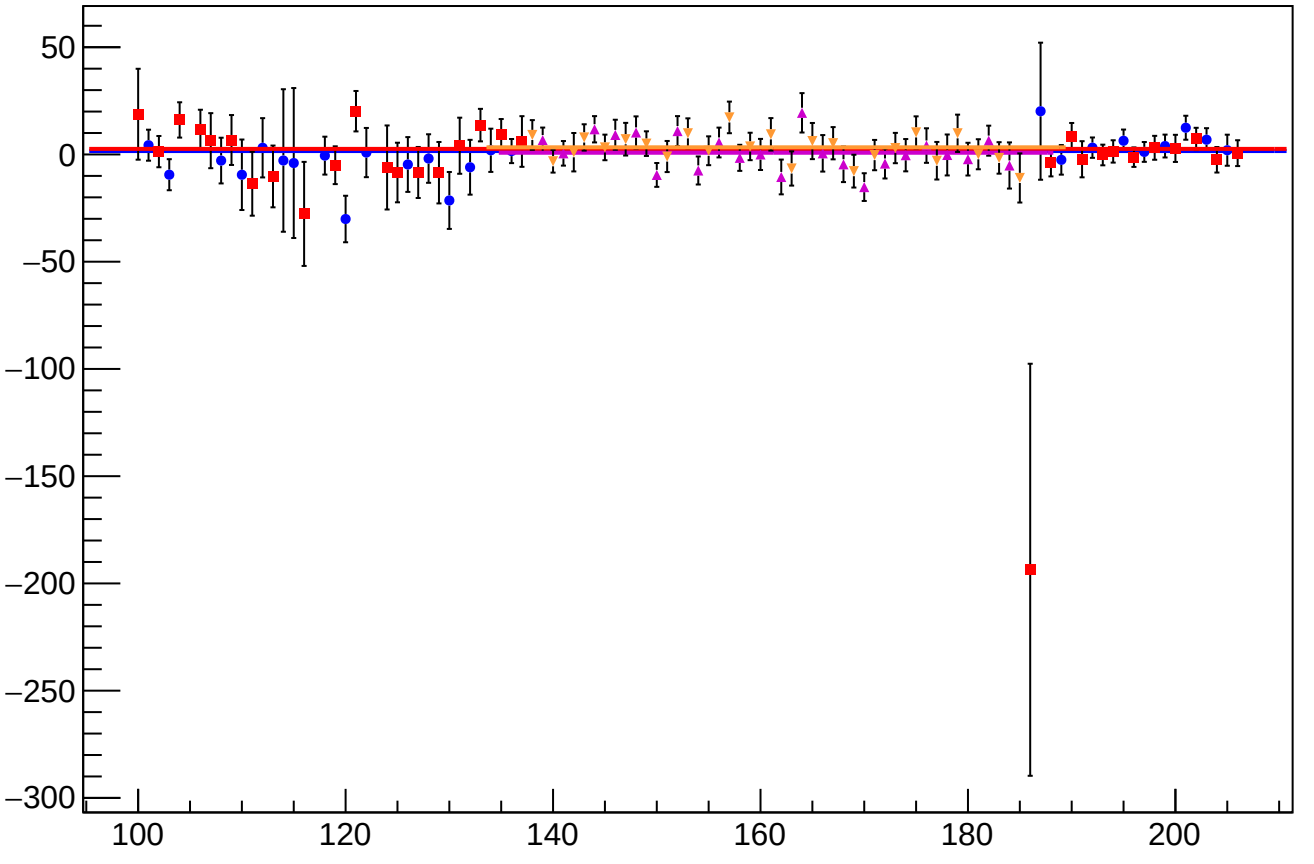
Right Out: 14845.217+/-2.795 χ^2/NDF: 4493367.1/30

Left In: 8163.472+/-1.358 χ^2/NDF:432350.3/22

+ sign 9102.879+/-1.188 χ^2/NDF: 7849801.7/49

All: 9266.631+/-0.852 χ^2/NDF: 17436966.0/1

- sign 9439.688+/-1.222 χ^2/NDF: 9548109.4/53



Right In: 1.585+/-1.535 χ^2/NDF: 22.0/24

Left Out: 3.330+/-1.431 χ^2/NDF:16.9/24

Right Out: 2.597+/-1.401 χ^2/NDF: 26.9/30

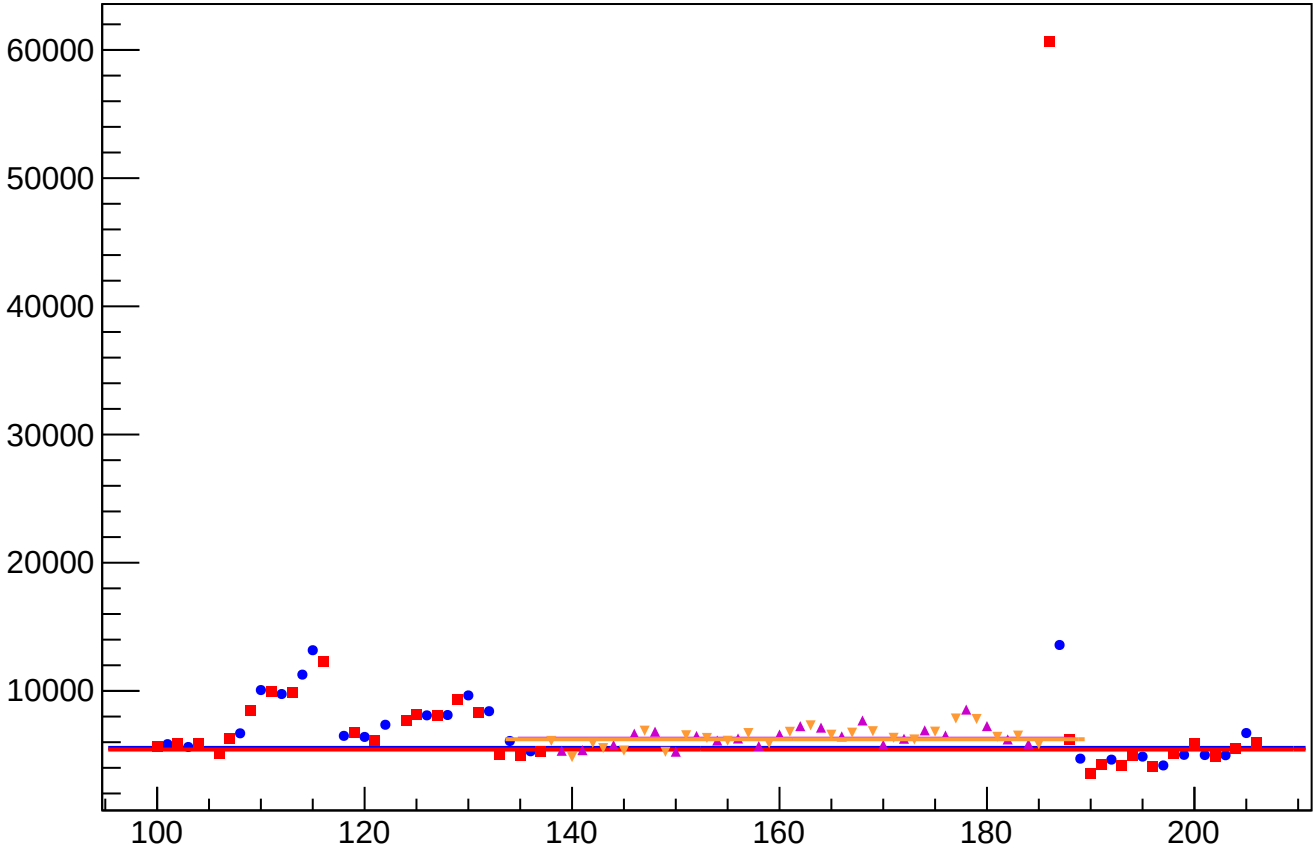
Left In: 0.797+/-1.479 χ^2/NDF:29.4/22

+ sign 2.519+/-1.047 χ^2/NDF: 39.7/49

All: 2.121+/-0.729 χ^2/NDF: 97.1/103

- sign 1.745+/-1.017 χ^2/NDF: 57.1/53

diff_targ_positionY_rms vs Slug



Right In: 5554.281+/-1.085 χ^2/NDF: 1637149.1/24

Left Out: 6230.934+/-1.012 χ^2/NDF:532579.4/24

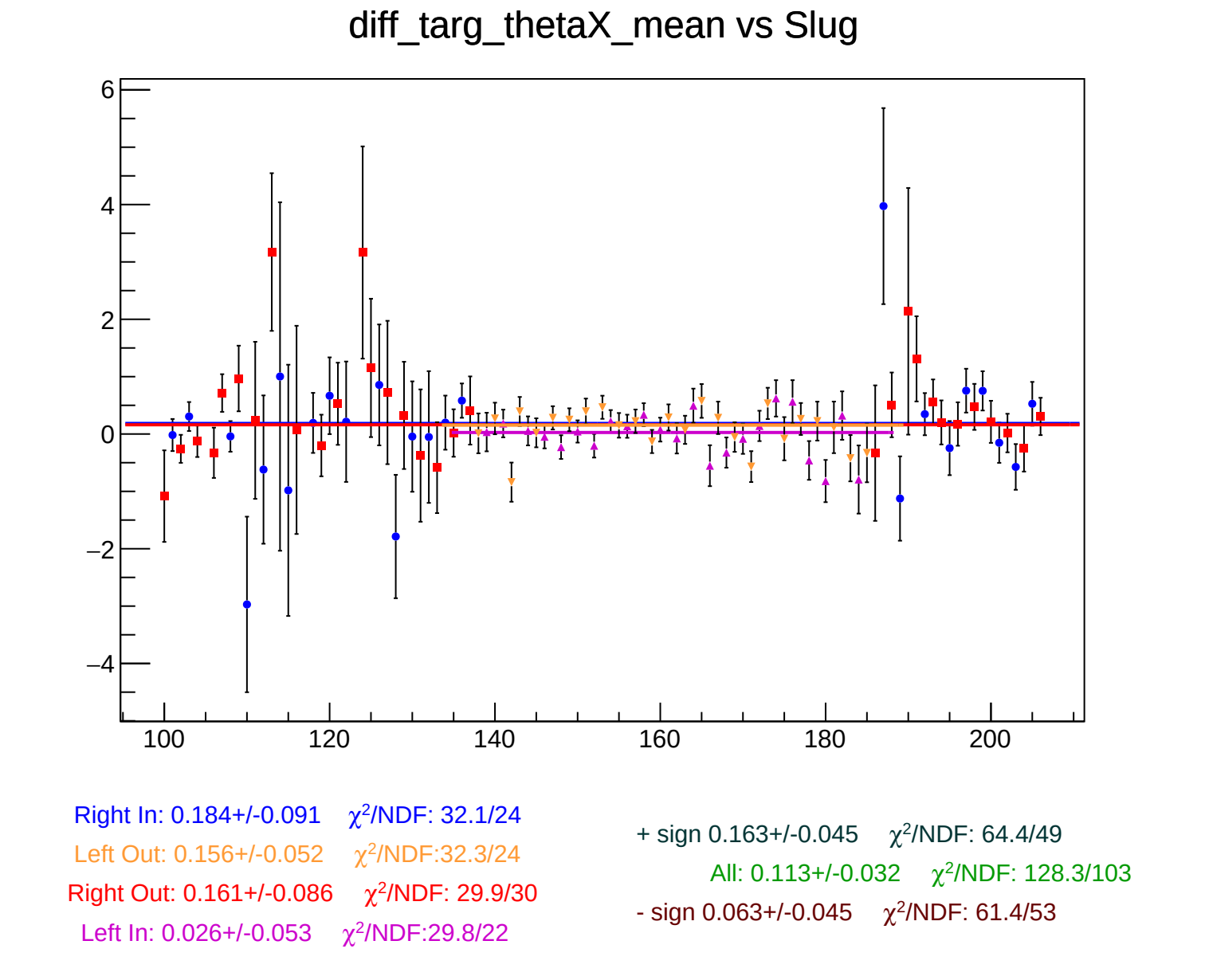
Right Out: 5425.758+/-0.990 χ^2/NDF: 2496250.2/30

Left In: 6270.834+/-1.046 χ^2/NDF:504723.6/22

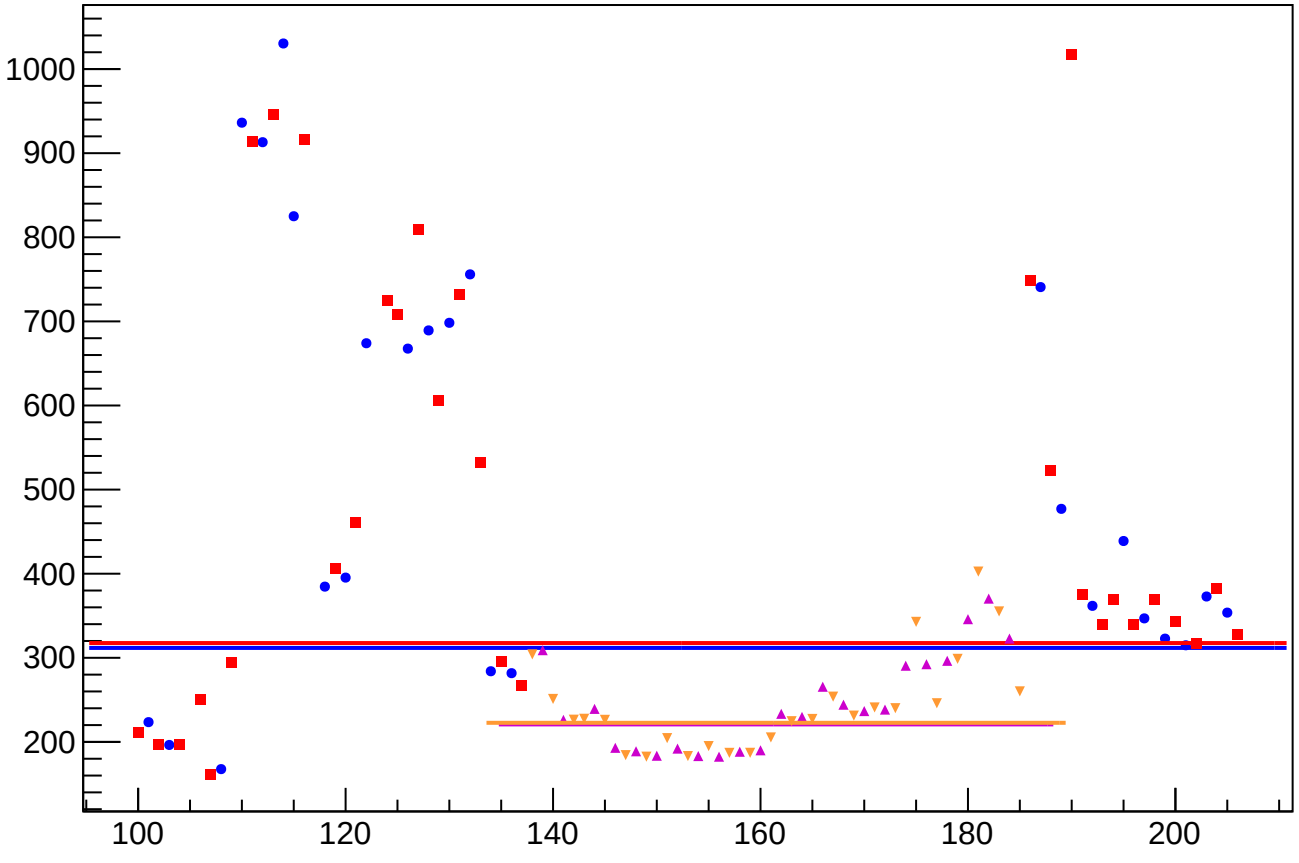
+ sign 5916.396+/-0.740 χ^2/NDF: 2377730.4/49

All: 5869.590+/-0.516 χ^2/NDF: 5730819.9/10

- sign 5825.401+/-0.719 χ^2/NDF: 3345311.4/53


diff_targ_thetaX_mean vs Slug
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: 0.184+/-0.091 χ²/NDF: 32.1/24
Left Out: 0.156+/-0.052 χ²/NDF:32.3/24
Right Out: 0.161+/-0.086 χ²/NDF: 29.9/30
Left In: 0.026+/-0.053 χ²/NDF:29.8/22
+ sign 0.163+/-0.045 χ²/NDF: 64.4/49
All: 0.113+/-0.032 χ²/NDF: 128.3/103
- sign 0.063+/-0.045 χ²/NDF: 61.4/53

diff_targ_thetaX_rms vs Slug



Right In: 311.757+/-0.064 χ^2/NDF: 4119495.9/24

Left Out: 222.727+/-0.037 χ^2/NDF:1451363.0/24

Right Out: 317.549+/-0.061 χ^2/NDF: 4700062.7/30

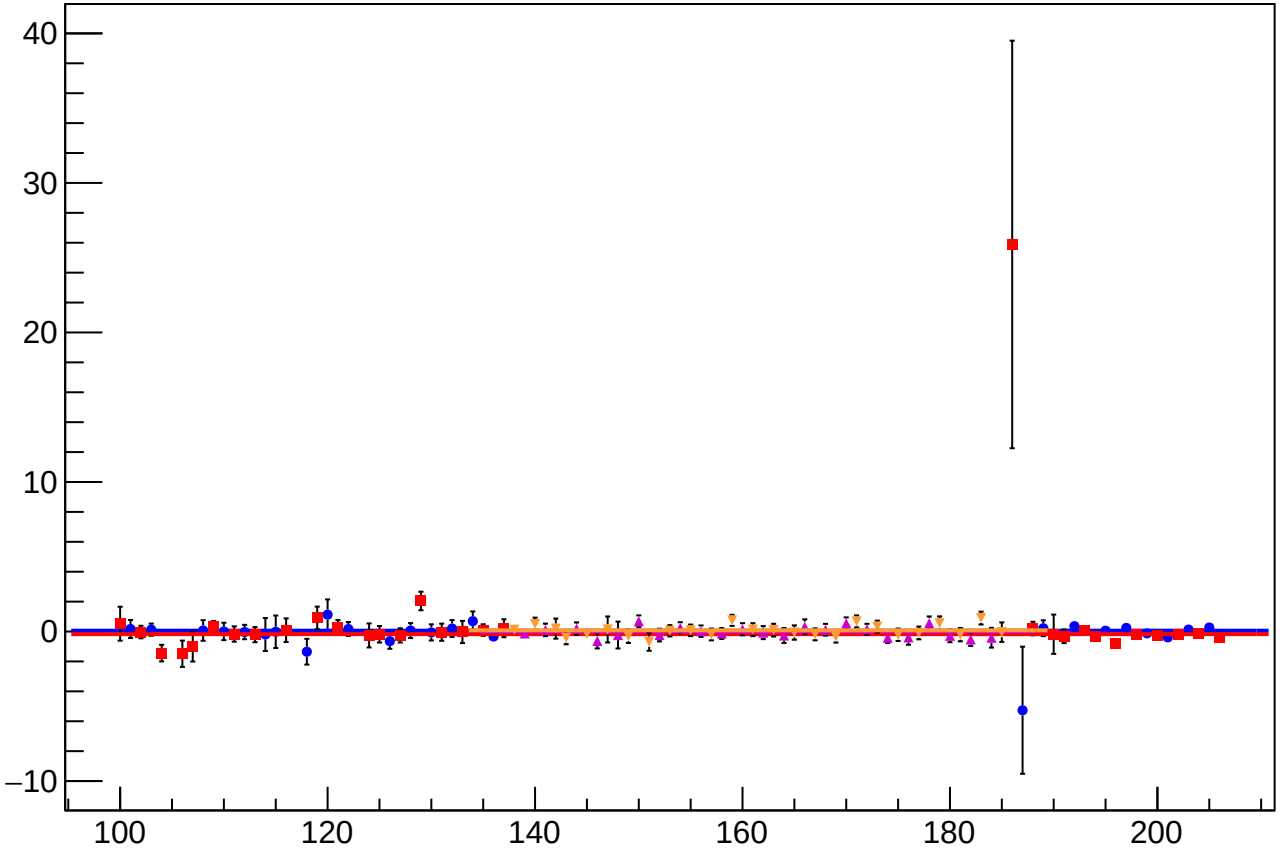
Left In: 220.802+/-0.037 χ^2/NDF:1471497.9/22

+ sign 244.584+/-0.032 χ^2/NDF: 7015106.9/49

All: 245.902+/-0.023 χ^2/NDF: 15012323.6/10

- sign 247.225+/-0.032 χ^2/NDF: 7993791.0/53

diff_targ_thetaY_mean vs Slug



Right In: 0.055+/-0.078 χ^2/NDF: 15.7/24

Left Out: 0.079+/-0.084 χ^2/NDF:19.0/24

Right Out: -0.175+/-0.073 χ^2/NDF: 39.1/30

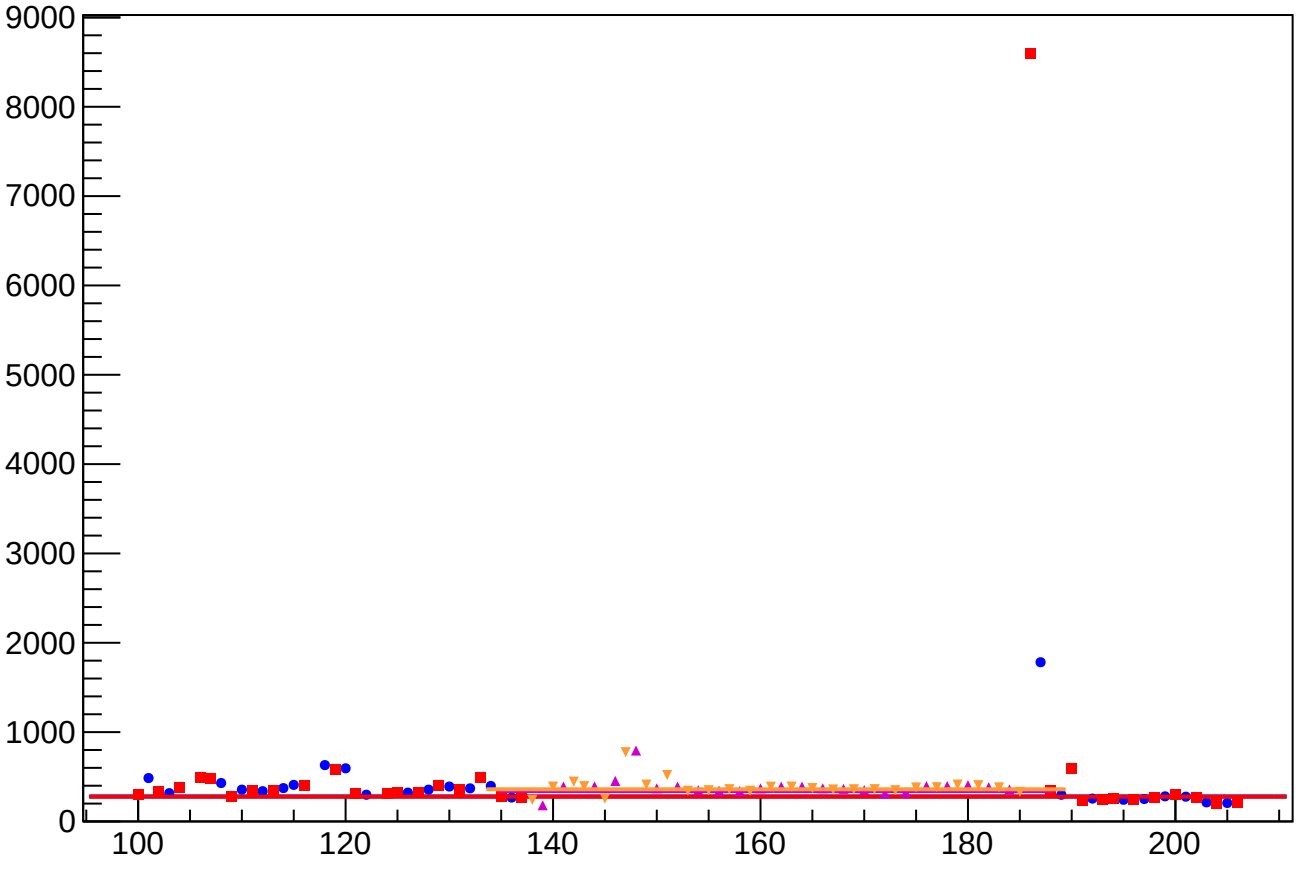
Left In: -0.009+/-0.083 χ^2/NDF:15.2/22

+ sign 0.067+/-0.057 χ^2/NDF: 34.7/49

All: -0.022+/-0.040 χ^2/NDF: 95.9/103

- sign -0.103+/-0.055 χ^2/NDF: 56.6/53

diff_targ_thetaY_rms vs Slug



Right In: 279.891+/-0.055 χ^2/NDF: 1959751.2/24

Left Out: 360.021+/-0.060 χ^2/NDF:1339748.9/24

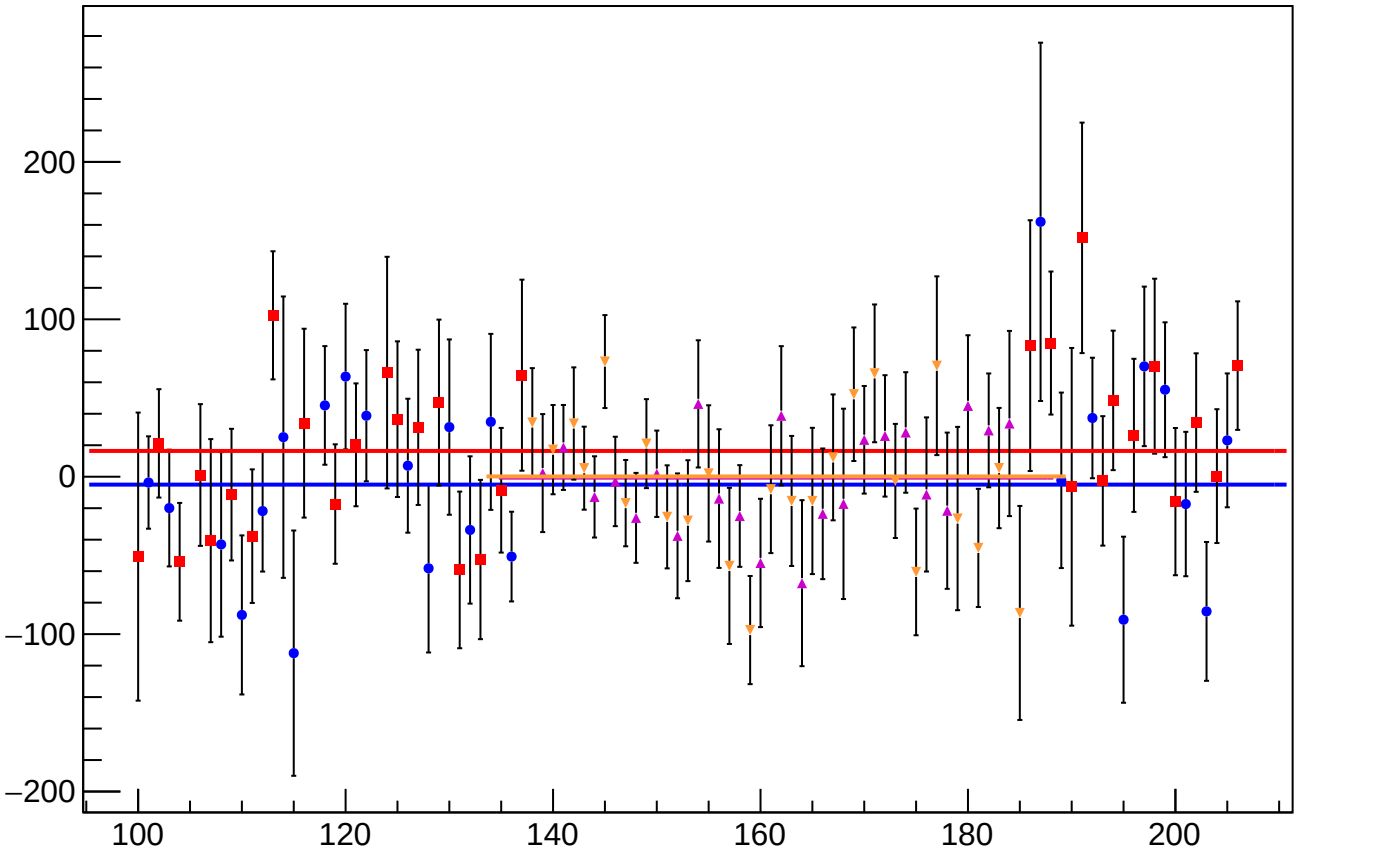
Right Out: 277.313+/-0.051 χ^2/NDF: 2534529.5/30

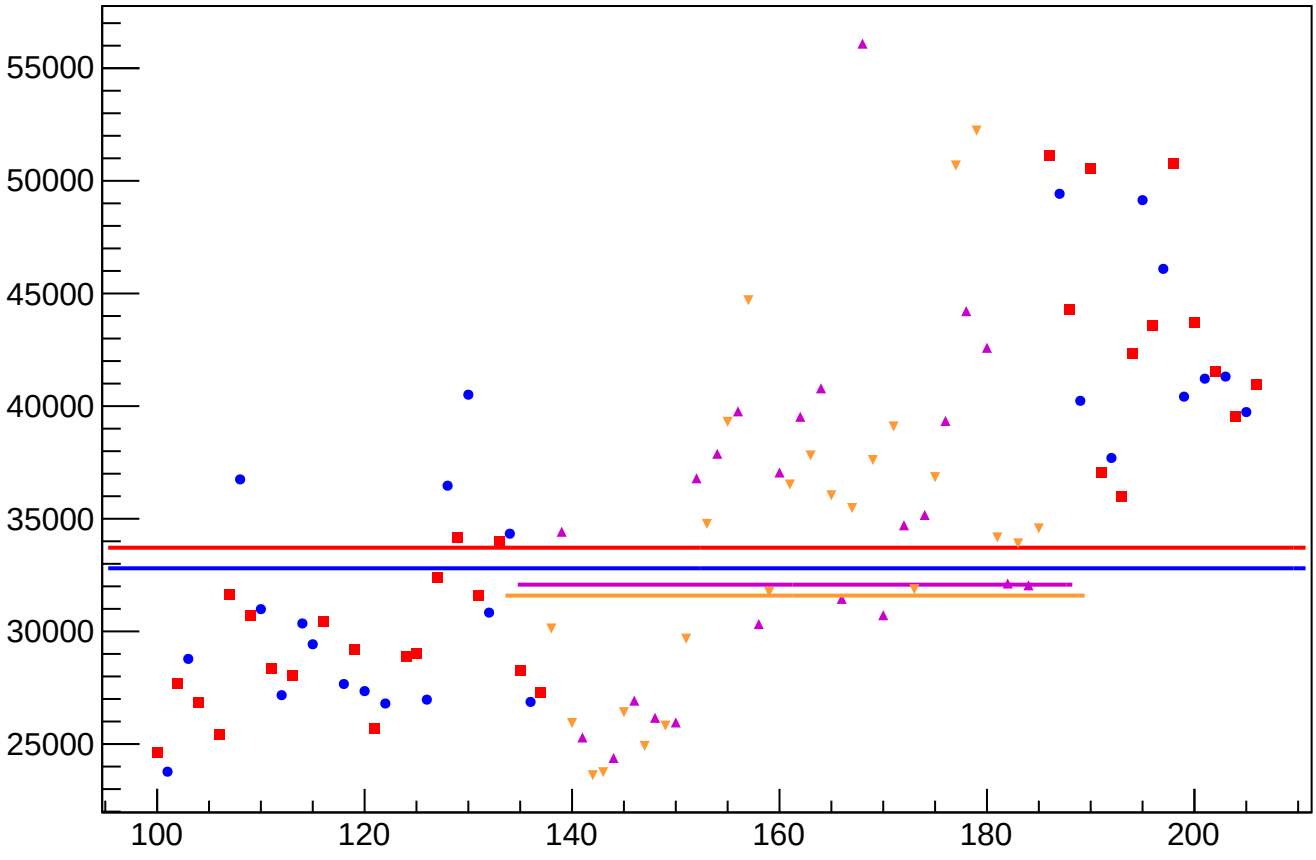
Left In: 340.020+/-0.059 χ^2/NDF:2225094.5/22

+ sign 317.006+/-0.041 χ^2/NDF: 4269331.3/49

All: 310.522+/-0.028 χ^2/NDF: 9724684.6/103

- sign 304.636+/-0.039 χ^2/NDF: 5406630.8/53


diff_bpmE_mean vs Slug
200
100
0
−100
−200
100
120
140
160
180
200
Right In: -5.017+/-8.968 χ²/NDF: 29.5/24
Left Out: 0.168+/-7.375 χ²/NDF:31.1/24
Right Out: 16.378+/-8.522 χ²/NDF: 29.4/30
Left In: -0.586+/-7.667 χ²/NDF:12.8/22
+ sign -1.924+/-5.696 χ²/NDF: 60.9/49
All: 2.537+/-4.029 χ²/NDF: 106.5/103
- sign 7.003+/-5.700 χ²/NDF: 44.4/53



Right In: 32801.373+/-6.342 χ^2/NDF: 1254625.7/24

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

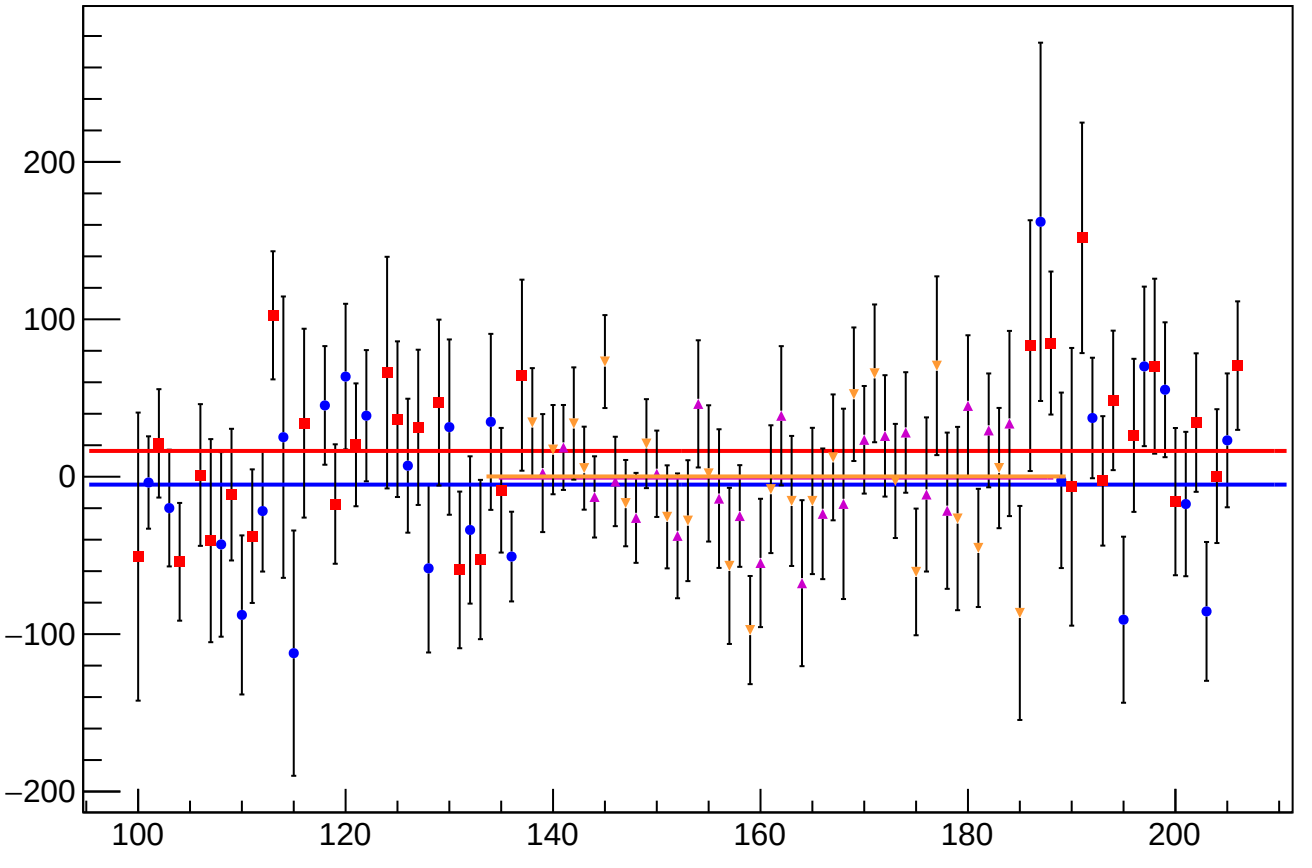
Right Out: 33715.572+/-6.026 χ^2/NDF: 1397161.5/30

Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 32078.593+/-4.028 χ^2/NDF: 2867268.2/49

All: 32443.557+/-2.849 χ^2/NDF: 5777537.3/1

- sign 32808.959+/-4.030 χ^2/NDF: 2893838.6/53



Right In: -5.017+/-8.968 χ^2/NDF: 29.5/24

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

Right Out: 16.378+/-8.522 χ^2/NDF: 29.4/30

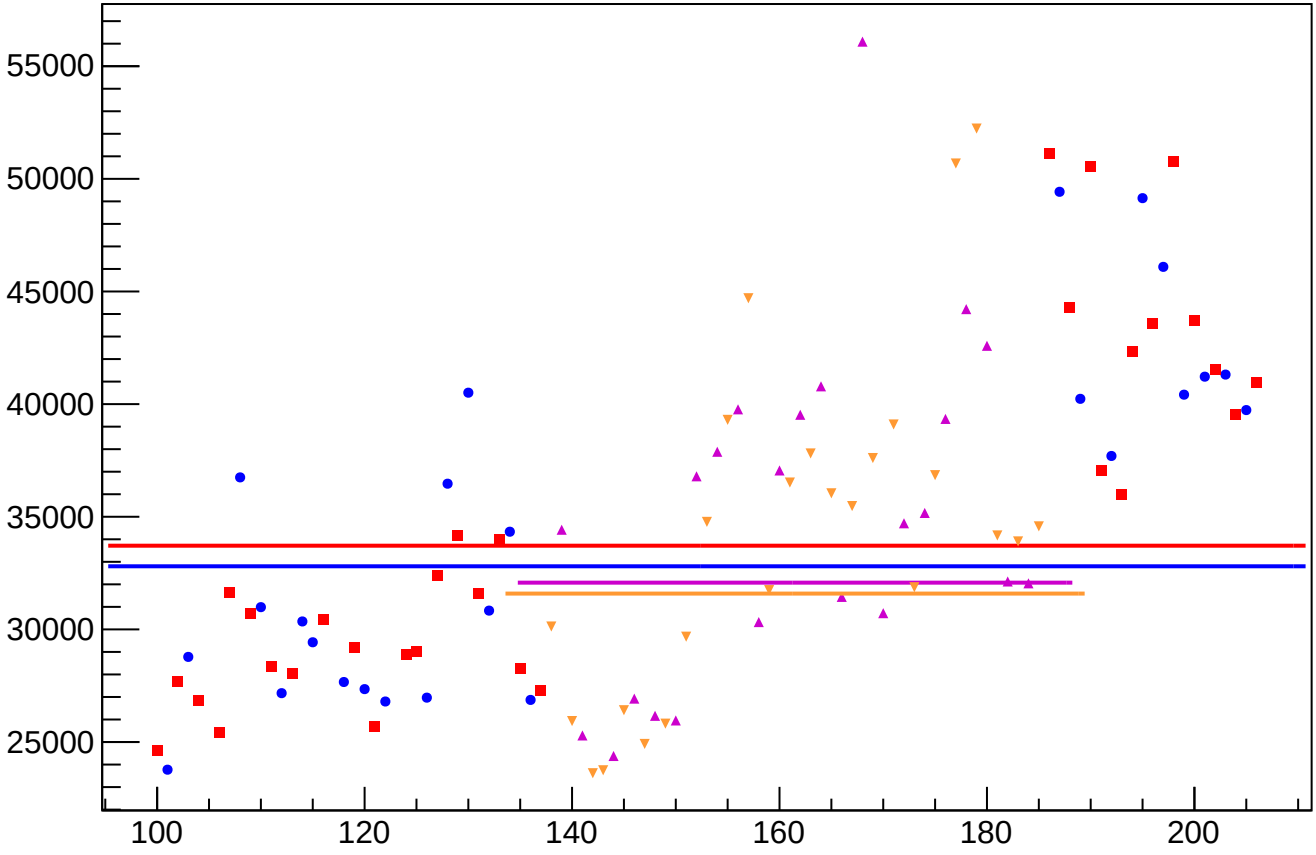
Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

+ sign -1.924+/-5.696 χ^2/NDF: 60.9/49

All: 2.537+/-4.029 χ^2/NDF: 106.5/103

- sign 7.003+/-5.700 χ^2/NDF: 44.4/53

diff_bpmEX_rms vs Slug



Right In: 32801.373+/-6.342 χ^2/NDF: 1254625.7/24

Left Out: 31589.841+/-5.215 χ^2/NDF:1590867.7/24

Right Out: 33715.572+/-6.026 χ^2/NDF: 1397161.5/30

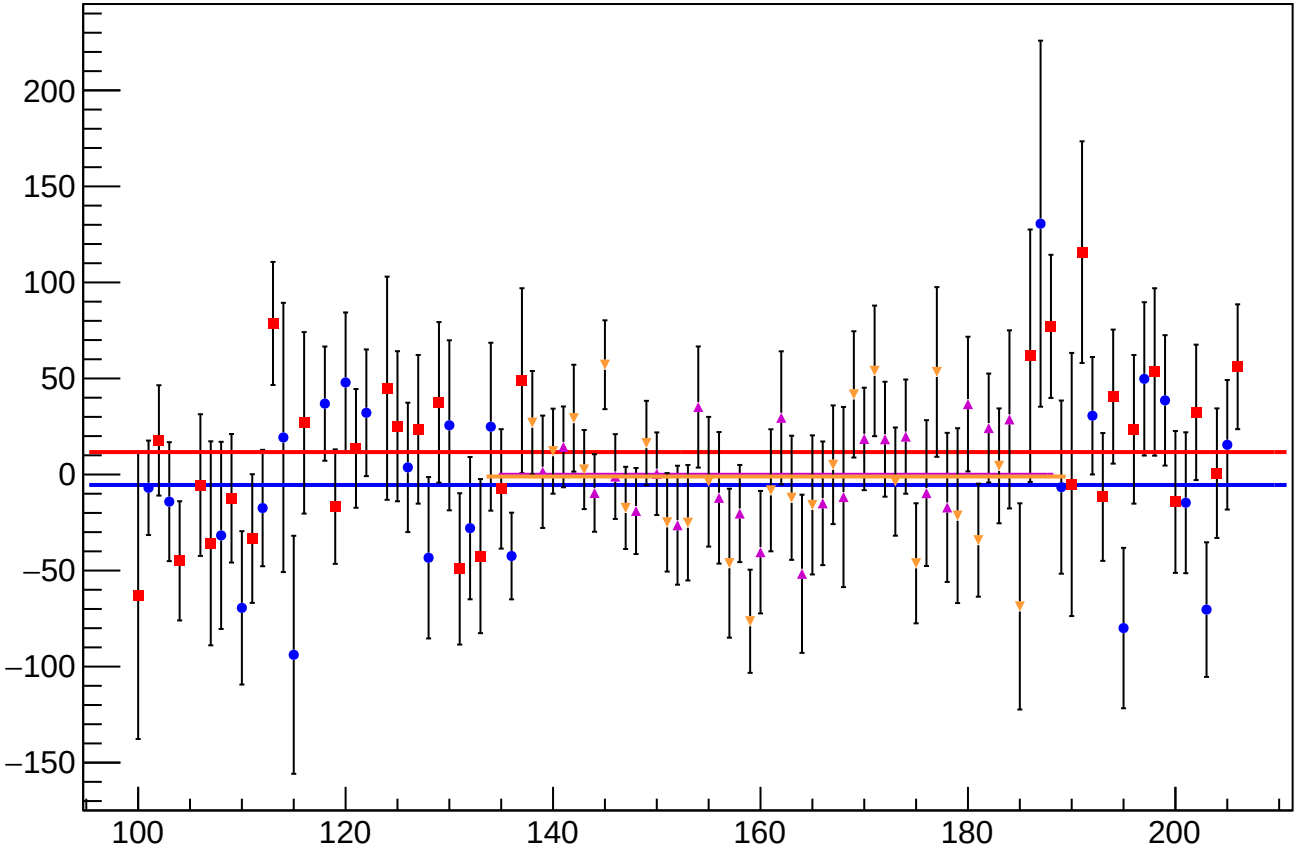
Left In: 32075.078+/-5.421 χ^2/NDF:1455714.6/22

+ sign 32078.593+/-4.028 χ^2/NDF: 2867268.2/49

All: 32443.557+/-2.849 χ^2/NDF: 5777537.3/1

- sign 32808.959+/-4.030 χ^2/NDF: 2893838.6/53

diff_bpmE_11X12X_mean vs Slug



Right In: -5.446+/-7.169 χ^2/NDF: 29.7/24

Left Out: -1.042+/-5.755 χ^2/NDF:32.3/24

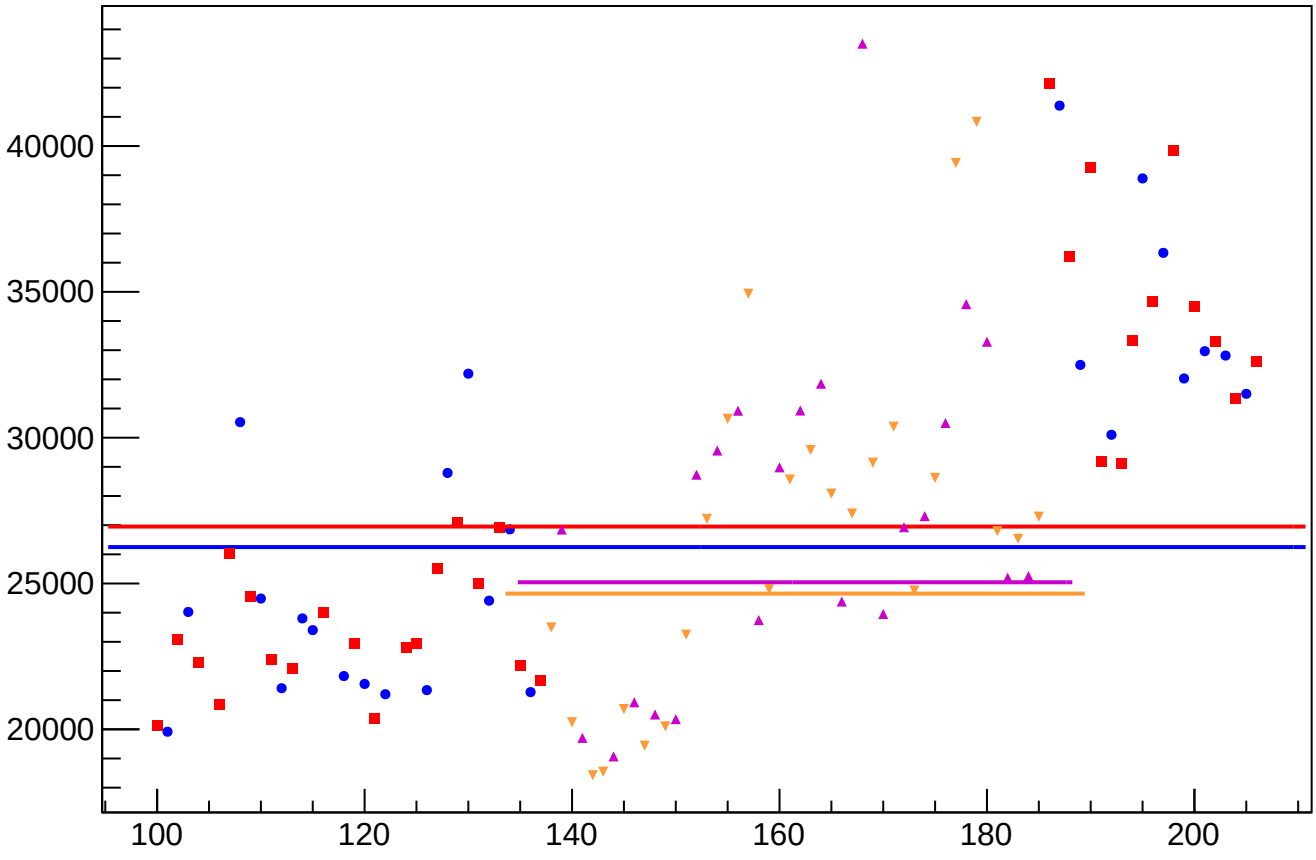
Right Out: 11.681+/-6.809 χ^2/NDF: 31.2/30

Left In: -0.147+/-5.985 χ^2/NDF:12.1/22

+ sign -2.768+/-4.488 χ^2/NDF: 62.3/49

All: 1.114+/-3.176 χ^2/NDF: 108.8/103

- sign 5.009+/-4.495 χ^2/NDF: 45.0/53



Right In: 26249.065+/-5.069 χ^2/NDF: 1208097.6/24

Left Out: 24654.001+/-4.069 χ^2/NDF:1582710.2/24

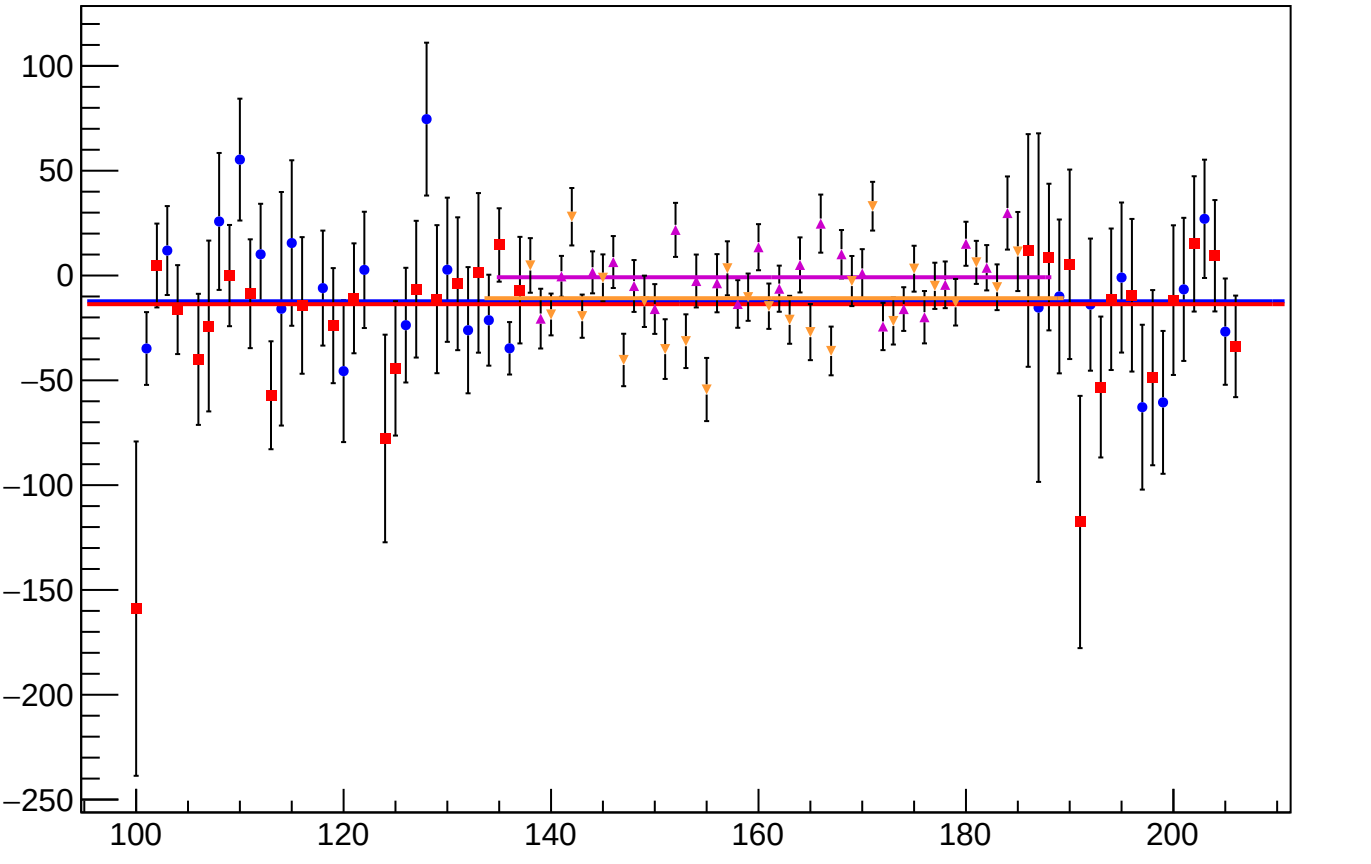
Right Out: 26951.755+/-4.814 χ^2/NDF: 1362765.9/30

Left In: 25041.993+/-4.232 χ^2/NDF:1441641.5/22

+ sign 25279.007+/-3.173 χ^2/NDF: 2851018.1/49

All: 25576.199+/-2.246 χ^2/NDF: 5761763.2/1

- sign 25874.373+/-3.178 χ^2/NDF: 2893173.5/53



Right In: -12.289+/-5.403 χ^2/NDF: 28.1/24

Left Out: -10.822+/-2.370 χ^2/NDF:61.3/24

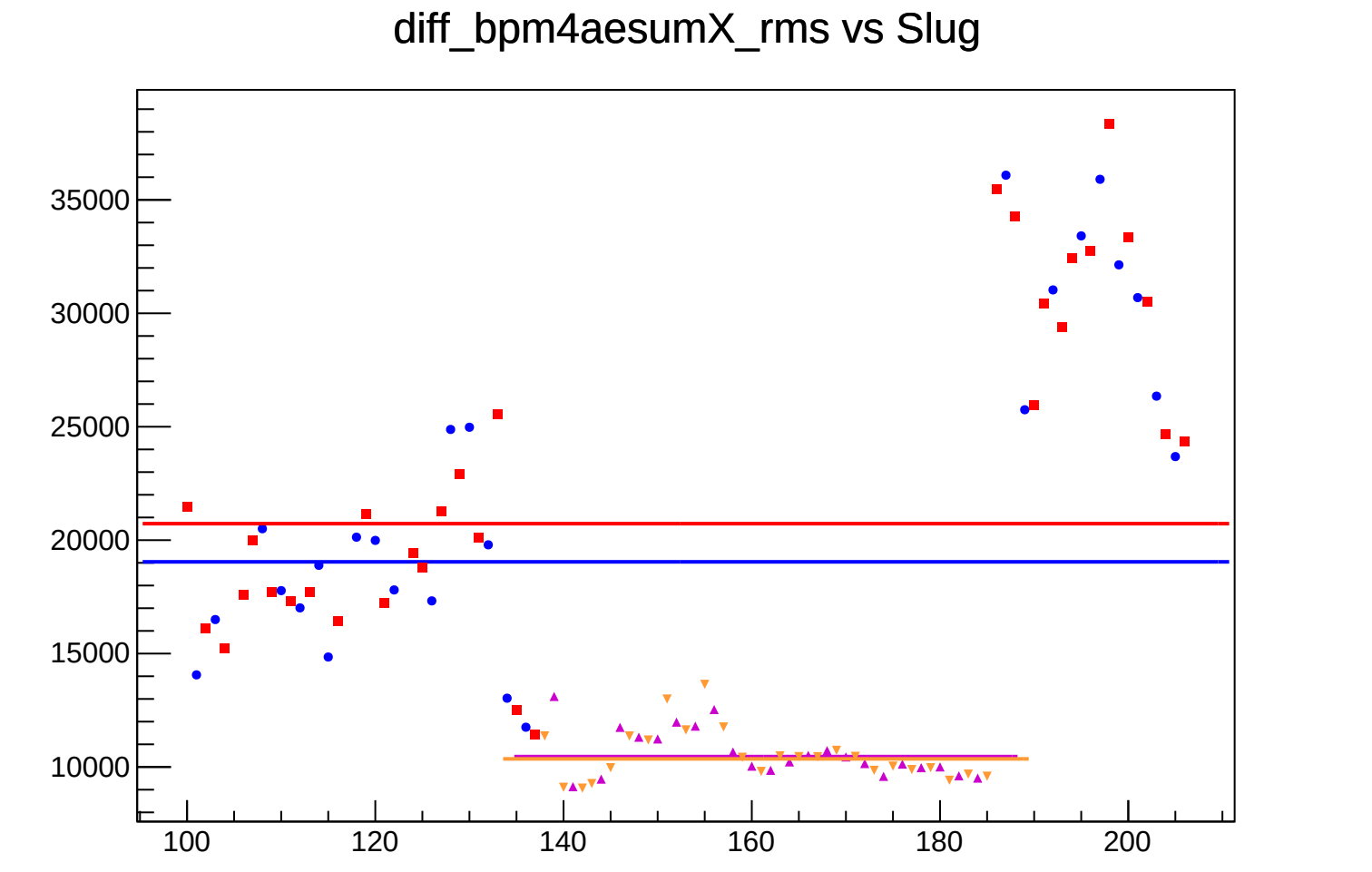
Right Out: -13.677+/-5.390 χ^2/NDF: 22.0/30

Left In: -0.826+/-2.457 χ^2/NDF:29.4/22

+ sign -11.059+/-2.171 χ^2/NDF: 89.5/49

All: -7.166+/-1.557 χ^2/NDF: 152.2/103

- sign -3.037+/-2.236 χ^2/NDF: 56.1/53



Right In: 19043.999+/-3.821 χ^2/NDF: 3058398.9/24

Left Out: 10358.363+/-1.676 χ^2/NDF:363077.1/24

Right Out: 20727.132+/-3.812 χ^2/NDF: 3173726.2/30

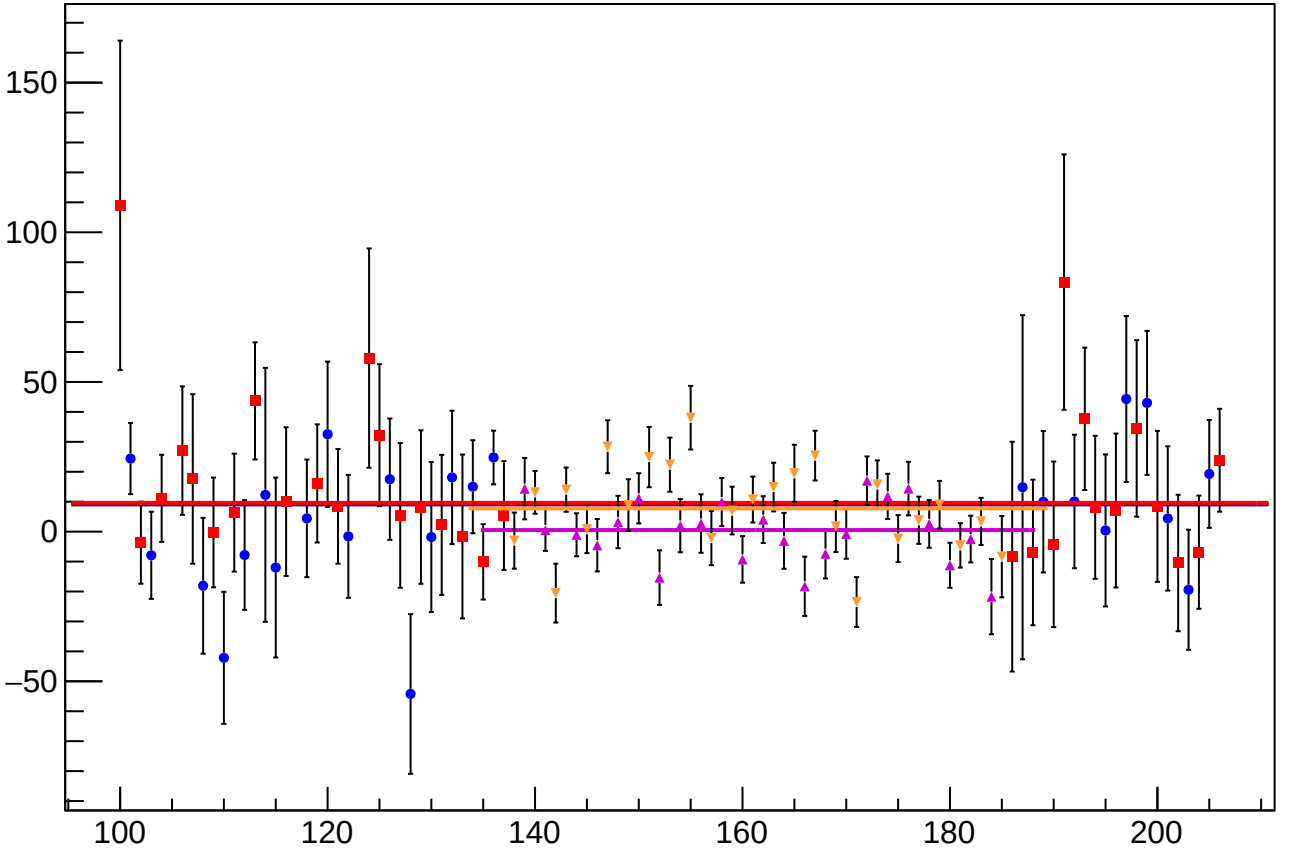
Left In: 10459.060+/-1.737 χ^2/NDF:314636.9/22

+ sign 11760.025+/-1.535 χ^2/NDF: 7755097.2/49

All: 11985.856+/-1.101 χ^2/NDF: 17296735.1/

- sign 12225.424+/-1.581 χ^2/NDF: 9497026.3/53

diff_bpm4aediffX_mean vs Slug



Right In: 9.101+/-3.861 χ^2/NDF: 27.9/24

Left Out: 7.763+/-1.691 χ^2/NDF:60.9/24

Right Out: 9.602+/-3.857 χ^2/NDF: 22.1/30

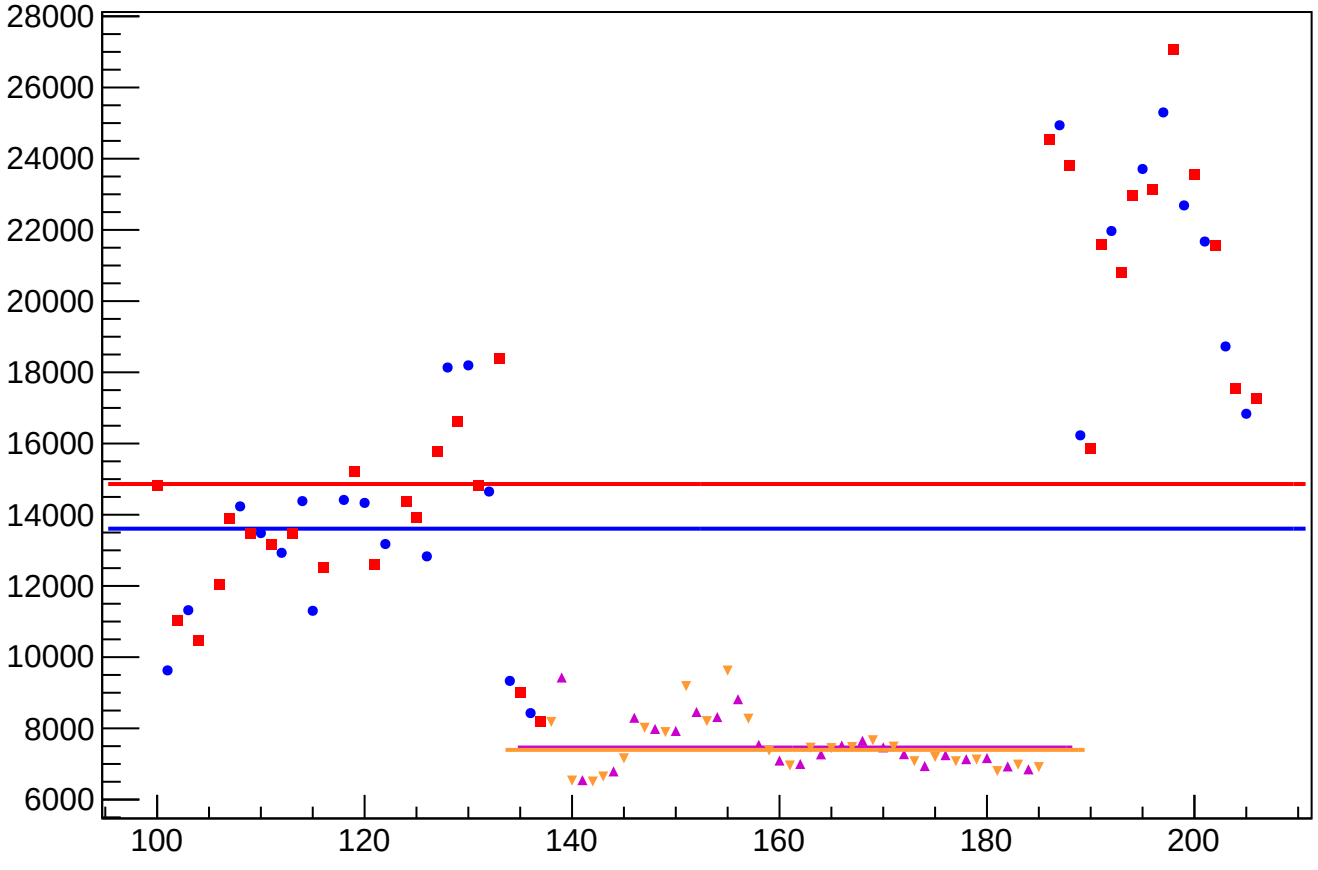
Left In: 0.532+/-1.752 χ^2/NDF:29.4/22

+ sign 7.979+/-1.549 χ^2/NDF: 89.0/49

All: 5.117+/-1.111 χ^2/NDF: 152.2/103

- sign 2.083+/-1.595 χ^2/NDF: 56.2/53

diff_bpm4aediffX_rms vs Slug



Right In: 13608.451+/-2.730 χ^2/NDF: 3005538.6/24

Left Out: 7395.667+/-1.196 χ^2/NDF:324459.4/24

Right Out: 14862.632+/-2.728 χ^2/NDF: 3055509.7/30

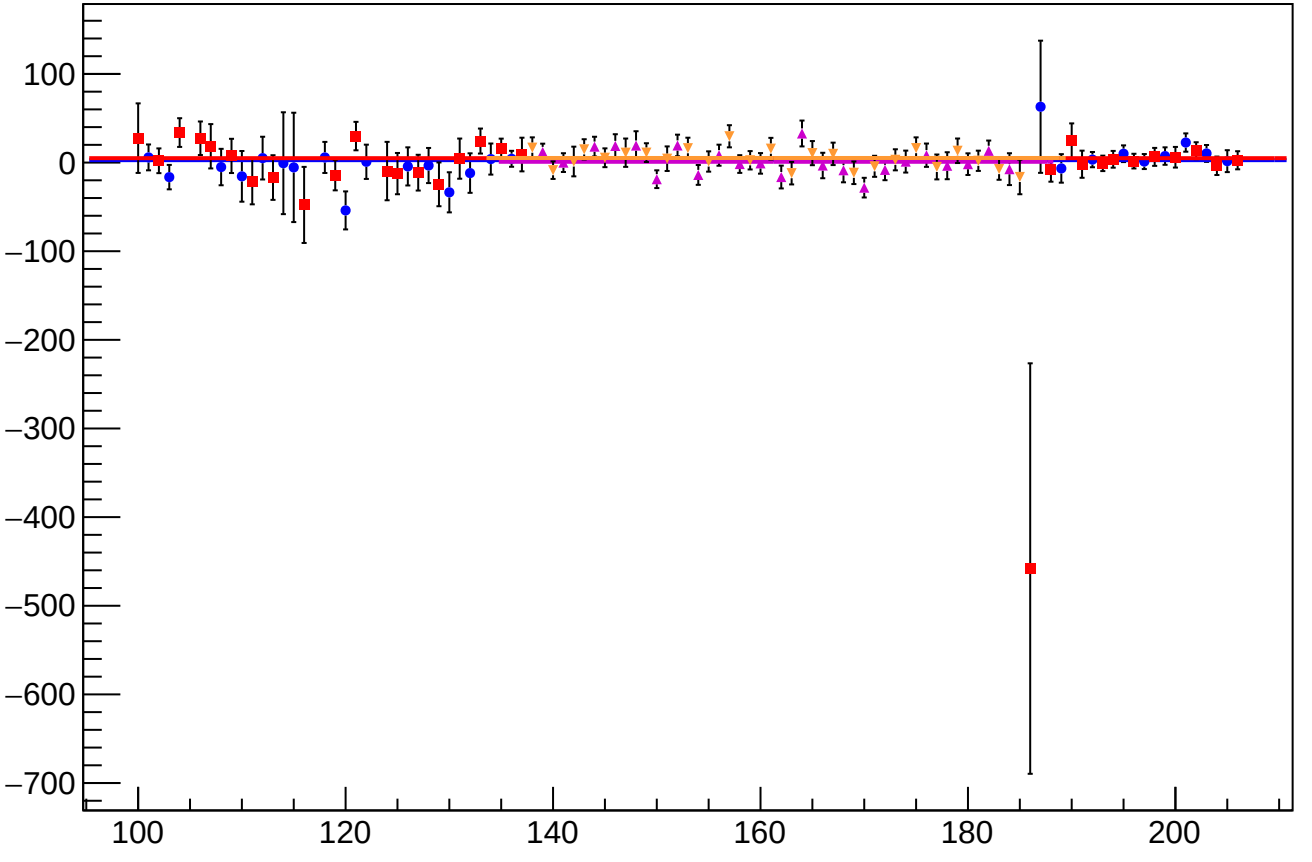
Left In: 7460.824+/-1.239 χ^2/NDF:284034.9/22

+ sign 8396.180+/-1.096 χ^2/NDF: 7675226.0/49

All: 8556.547+/-0.786 χ^2/NDF: 17163535.2/1

- sign 8726.547+/-1.128 χ^2/NDF: 9444165.0/53

diff_bpm4aesumY_mean vs Slug



Right In: 2.733+/-2.793 χ^2/NDF: 19.0/24

Left Out: 5.178+/-2.459 χ^2/NDF:18.4/24

Right Out: 4.964+/-2.582 χ^2/NDF: 26.1/30

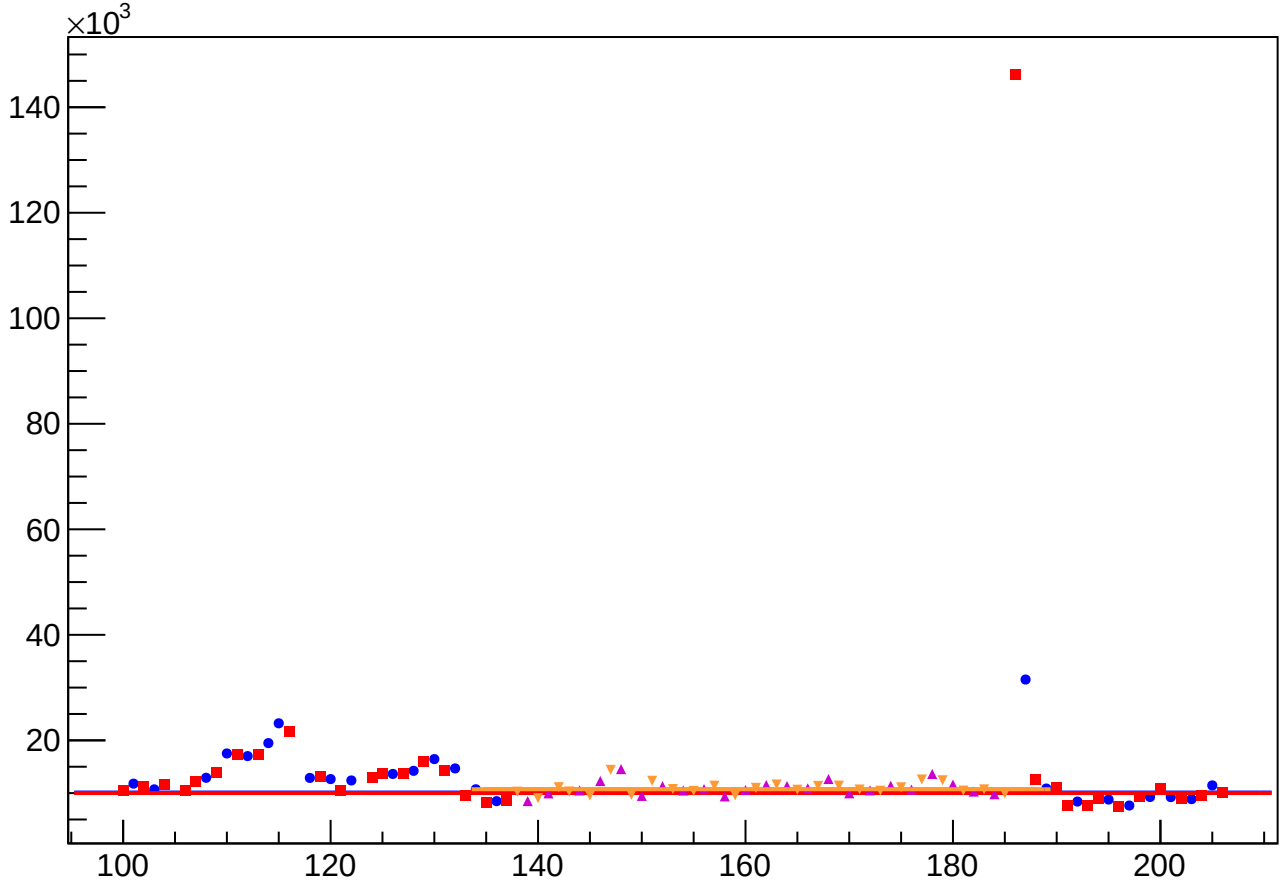
Left In: 0.891+/-2.519 χ^2/NDF:31.8/22

+ sign 4.110+/-1.845 χ^2/NDF: 37.8/49

All: 3.479+/-1.290 χ^2/NDF: 97.3/103

- sign 2.877+/-1.803 χ^2/NDF: 59.2/53

diff_bpm4aesumY_rms vs Slug



Right In: 10106.831+/-1.975 χ^2/NDF: 1609392.1/24

Left Out: 10733.733+/-1.739 χ^2/NDF:368279.7/24

Right Out: 10012.048+/-1.826 χ^2/NDF: 2291425.0/30

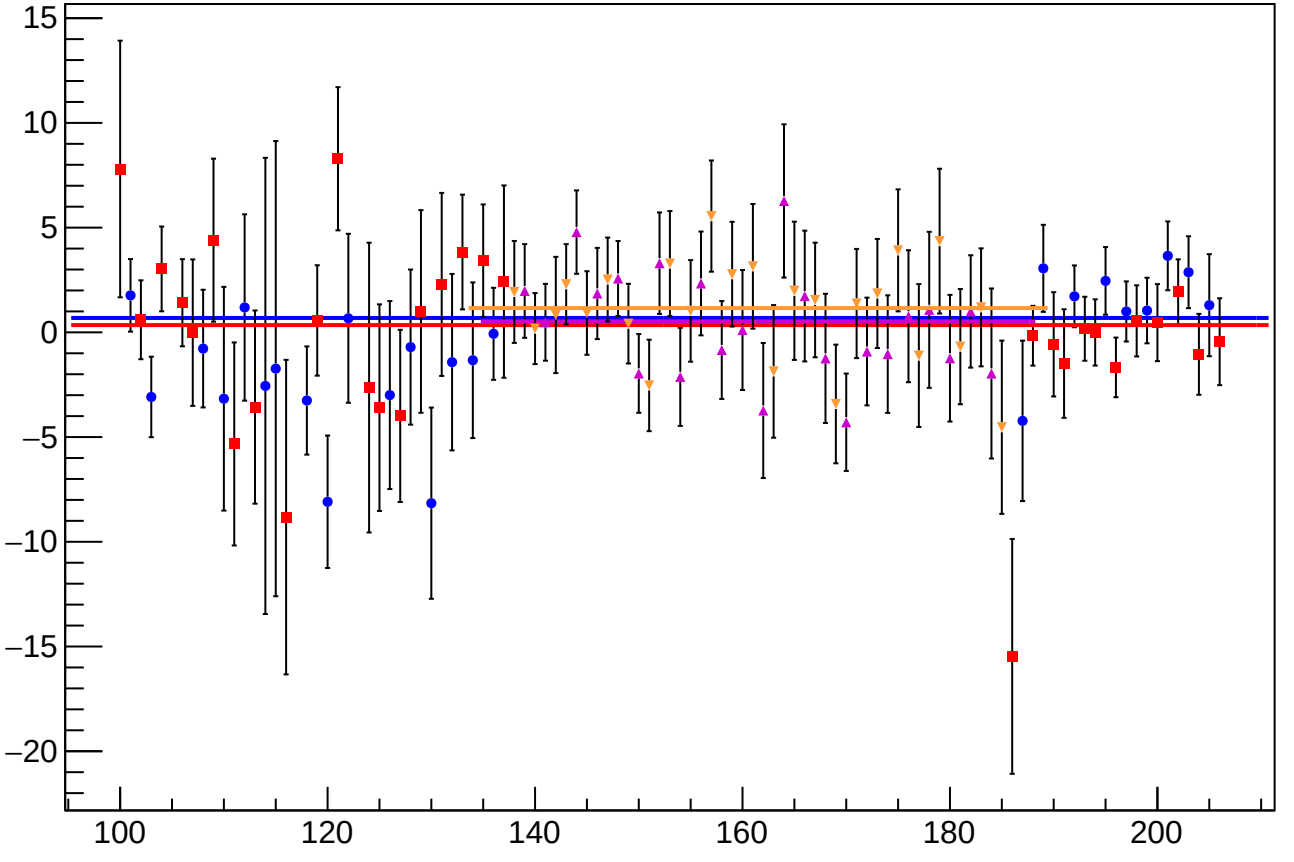
Left In: 10677.154+/-1.781 χ^2/NDF:500574.4/22

+ sign 10459.982+/-1.305 χ^2/NDF: 2034442.6/49

All: 10405.153+/-0.912 χ^2/NDF: 4897907.2/1

- sign 10352.834+/-1.275 χ^2/NDF: 2860014.7/53

diff_bpm4aediffY_mean vs Slug



Right In: 0.687+/-0.468 χ^2/NDF: 30.1/24

Left Out: 1.158+/-0.500 χ^2/NDF:16.8/24

Right Out: 0.347+/-0.426 χ^2/NDF: 31.4/30

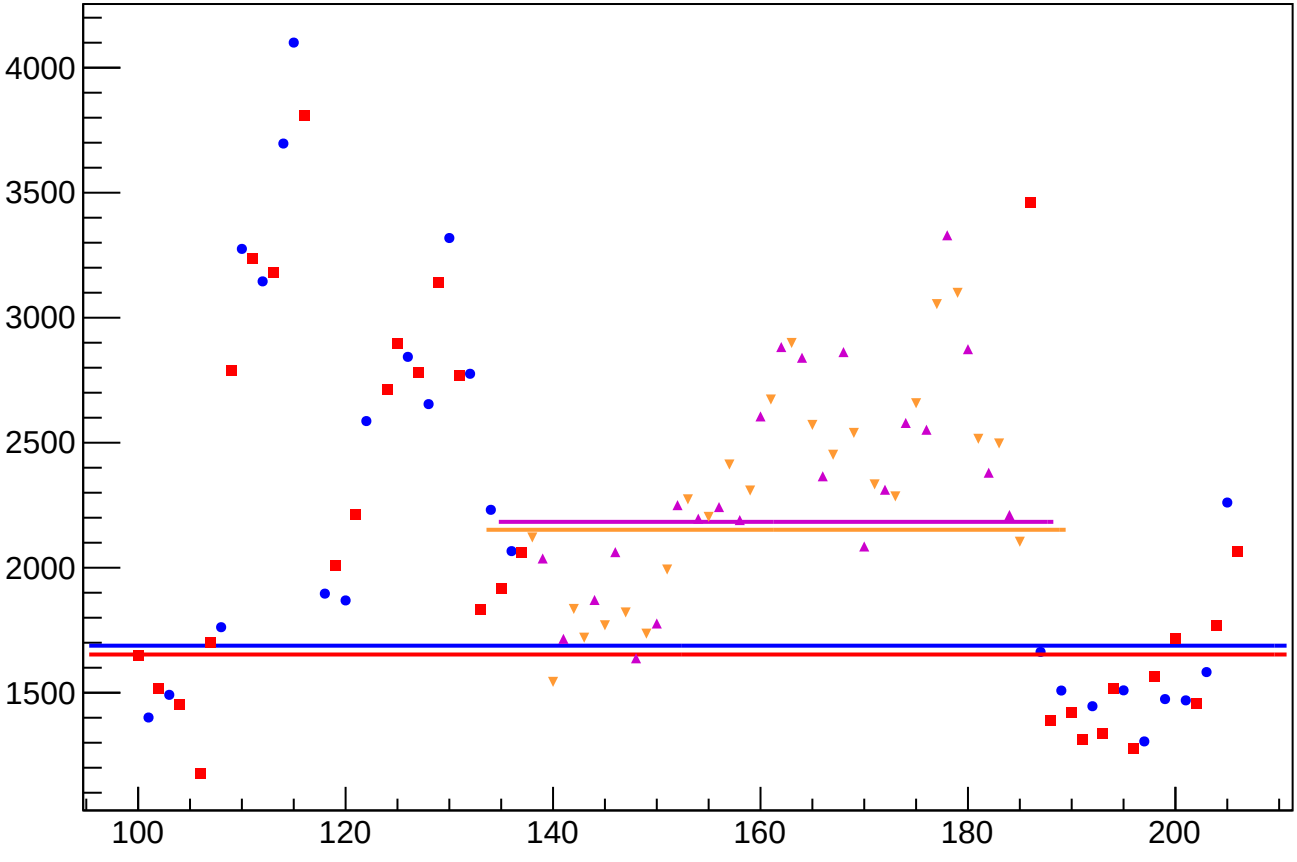
Left In: 0.522+/-0.520 χ^2/NDF:22.3/22

+ sign 0.907+/-0.342 χ^2/NDF: 47.4/49

All: 0.653+/-0.237 χ^2/NDF: 102.3/103

- sign 0.417+/-0.329 χ^2/NDF: 53.8/53

diff_bpm4aediffY_rms vs Slug



Right In: 1688.182+/-0.331 χ^2/NDF: 1939478.0/24

Left Out: 2151.757+/-0.354 χ^2/NDF:1349537.9/24

Right Out: 1652.885+/-0.301 χ^2/NDF: 2374507.6/30

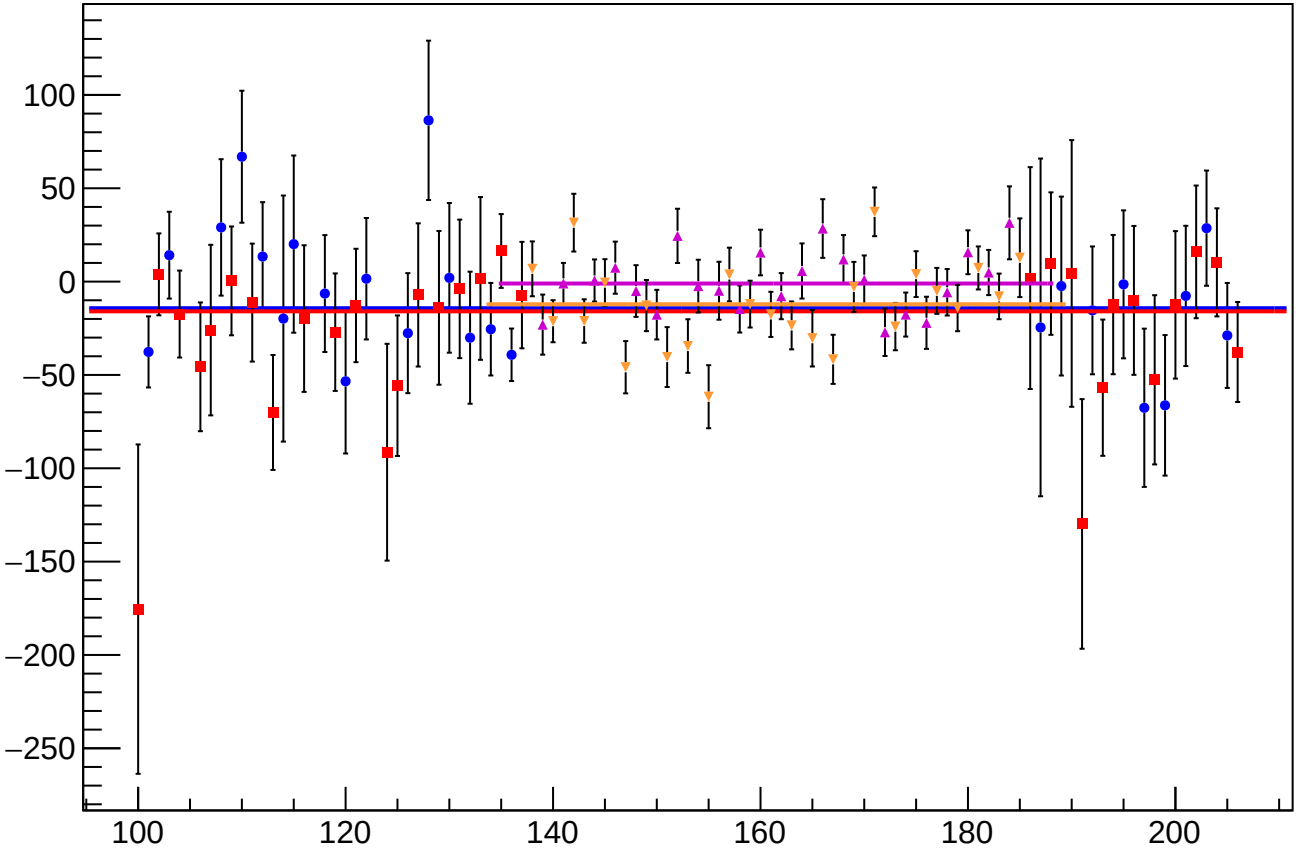
Left In: 2183.482+/-0.368 χ^2/NDF:1162266.2/22

+ sign 1904.596+/-0.242 χ^2/NDF: 4205140.7/49

All: 1884.480+/-0.168 χ^2/NDF: 9002690.2/10

- sign 1865.799+/-0.233 χ^2/NDF: 4784182.7/53

diff_bpmtargetsumX_mean vs Slug



Right In: -14.255+/-6.133 χ^2/NDF: 27.8/24

Left Out: -12.135+/-2.661 χ^2/NDF:62.6/24

Right Out: -15.933+/-6.125 χ^2/NDF: 22.1/30

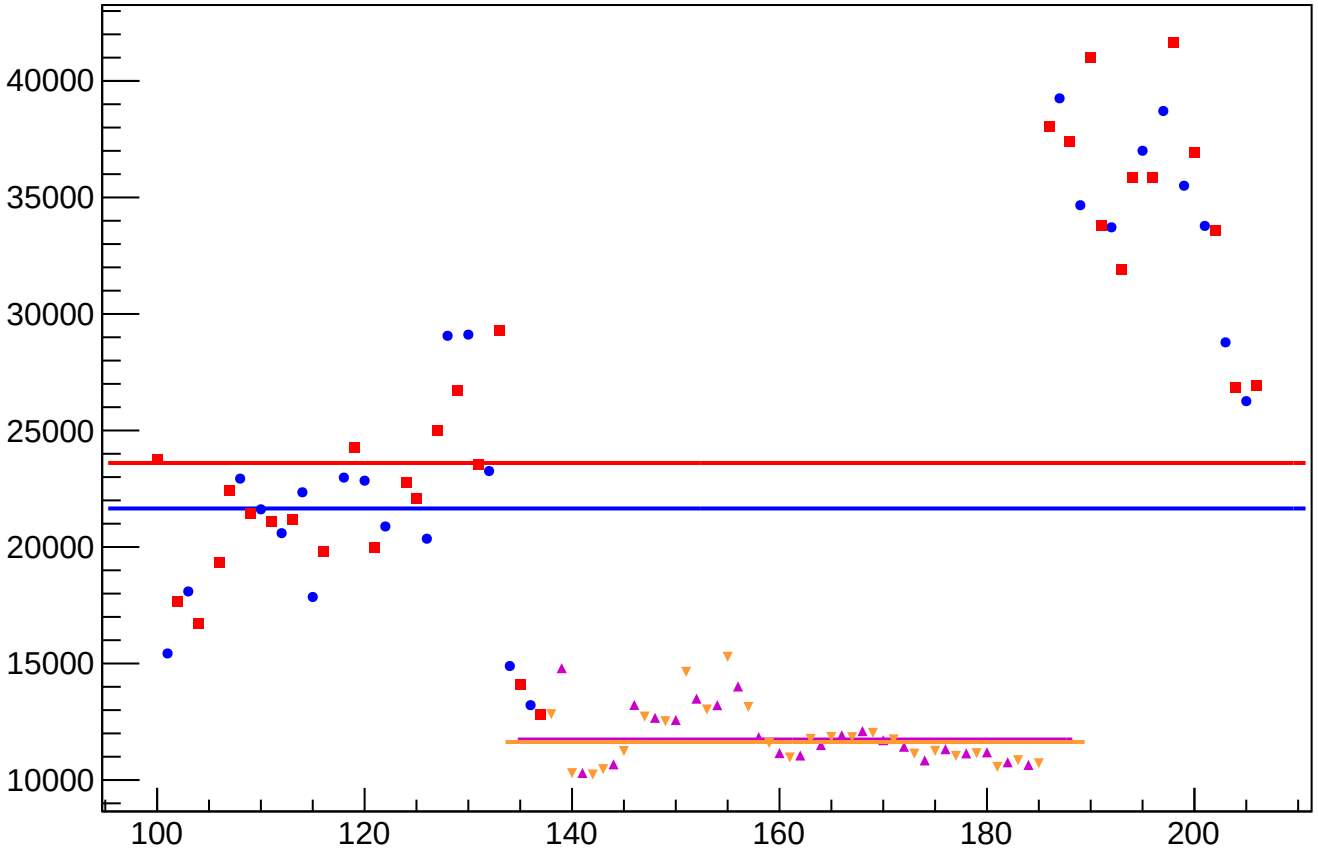
Left In: -1.024+/-2.758 χ^2/NDF:28.8/22

+ sign -12.471+/-2.441 χ^2/NDF: 90.5/49

All: -8.136+/-1.752 χ^2/NDF: 152.9/103

- sign -3.536+/-2.514 χ^2/NDF: 55.8/53

diff_bpmtargetsumX_rms vs Slug



Right In: 21652.493+/-4.337 χ^2/NDF: 3025734.4/24

Left Out: 11630.201+/-1.882 χ^2/NDF:356022.1/24

Right Out: 23605.449+/-4.331 χ^2/NDF: 3046229.3/30

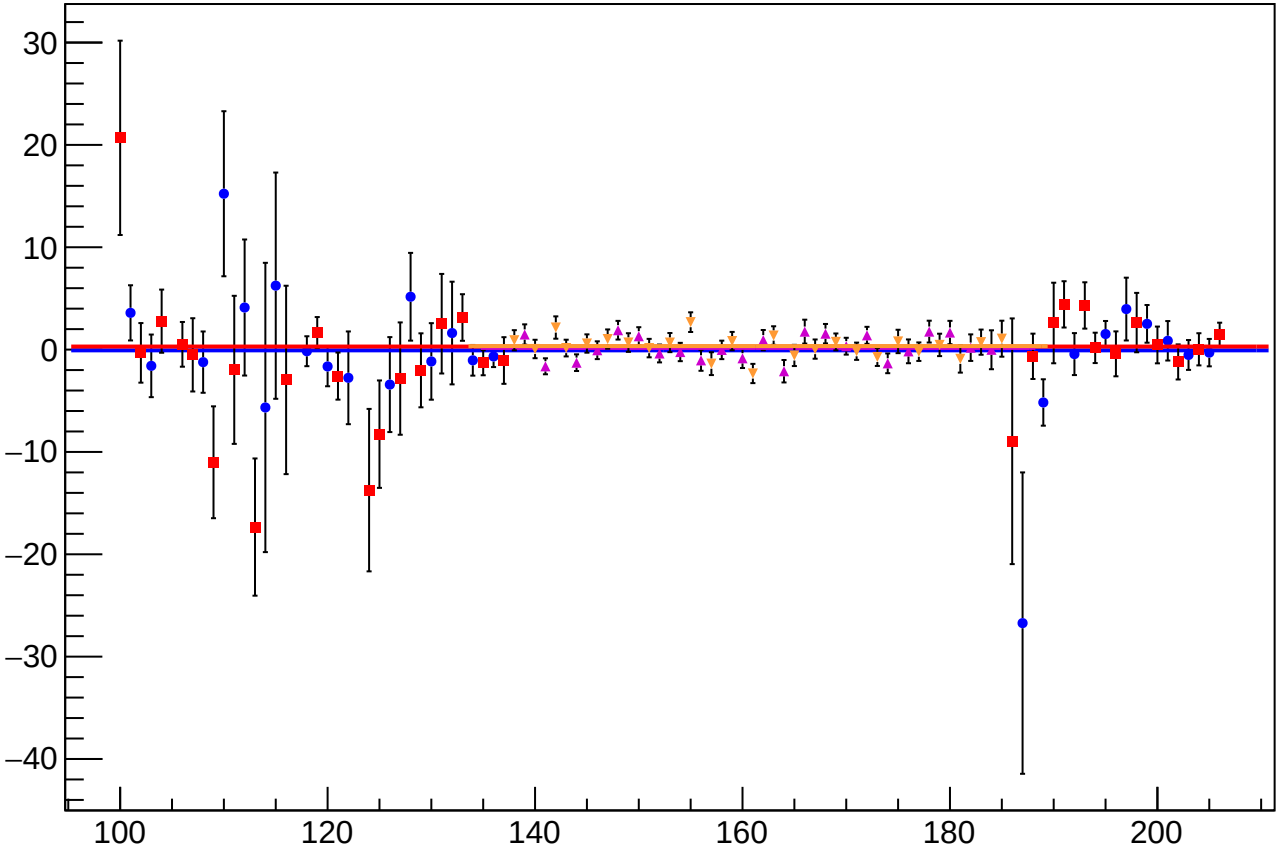
Left In: 11738.371+/-1.950 χ^2/NDF:313542.0/22

+ sign 13218.210+/-1.726 χ^2/NDF: 7876772.7/49

All: 13470.504+/-1.239 χ^2/NDF: 17522409.2

- sign 13738.181+/-1.778 χ^2/NDF: 9601609.8/53

diff_bpmtargetdiffX_mean vs Slug



Right In: -0.074+/-0.425 χ^2/NDF: 24.7/24

Left Out: 0.343+/-0.194 χ^2/NDF:26.8/24

Right Out: 0.298+/-0.417 χ^2/NDF: 39.7/30

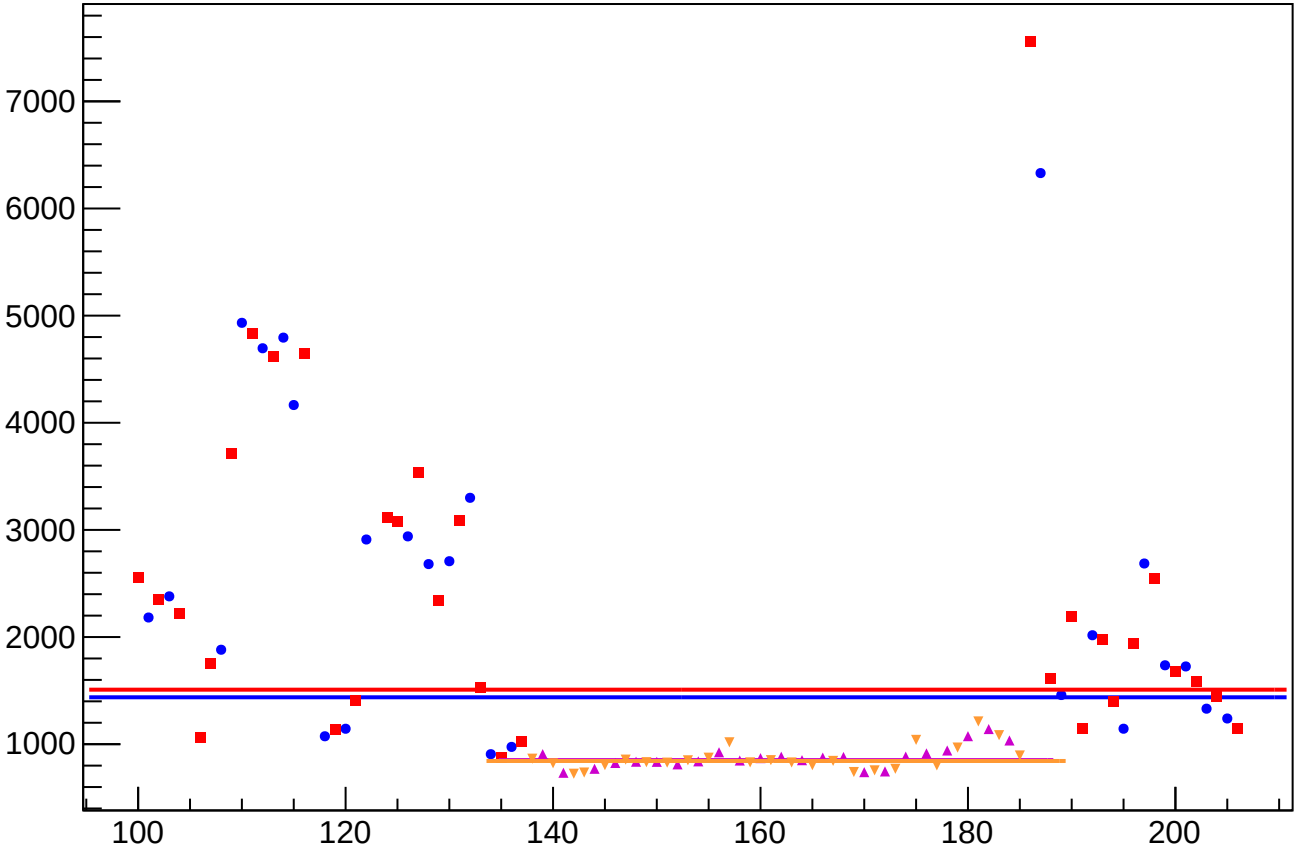
Left In: 0.165+/-0.201 χ^2/NDF:36.3/22

+ sign 0.271+/-0.176 χ^2/NDF: 52.2/49

All: 0.232+/-0.126 χ^2/NDF: 128.5/103

- sign 0.190+/-0.181 χ^2/NDF: 76.2/53

diff_bpmtargetdiffX_rms vs Slug



Right In: 1437.746+/-0.301 χ^2/NDF: 4361378.8/24

Left Out: 843.266+/-0.137 χ^2/NDF:505106.4/24

Right Out: 1508.807+/-0.295 χ^2/NDF: 4689051.9/30

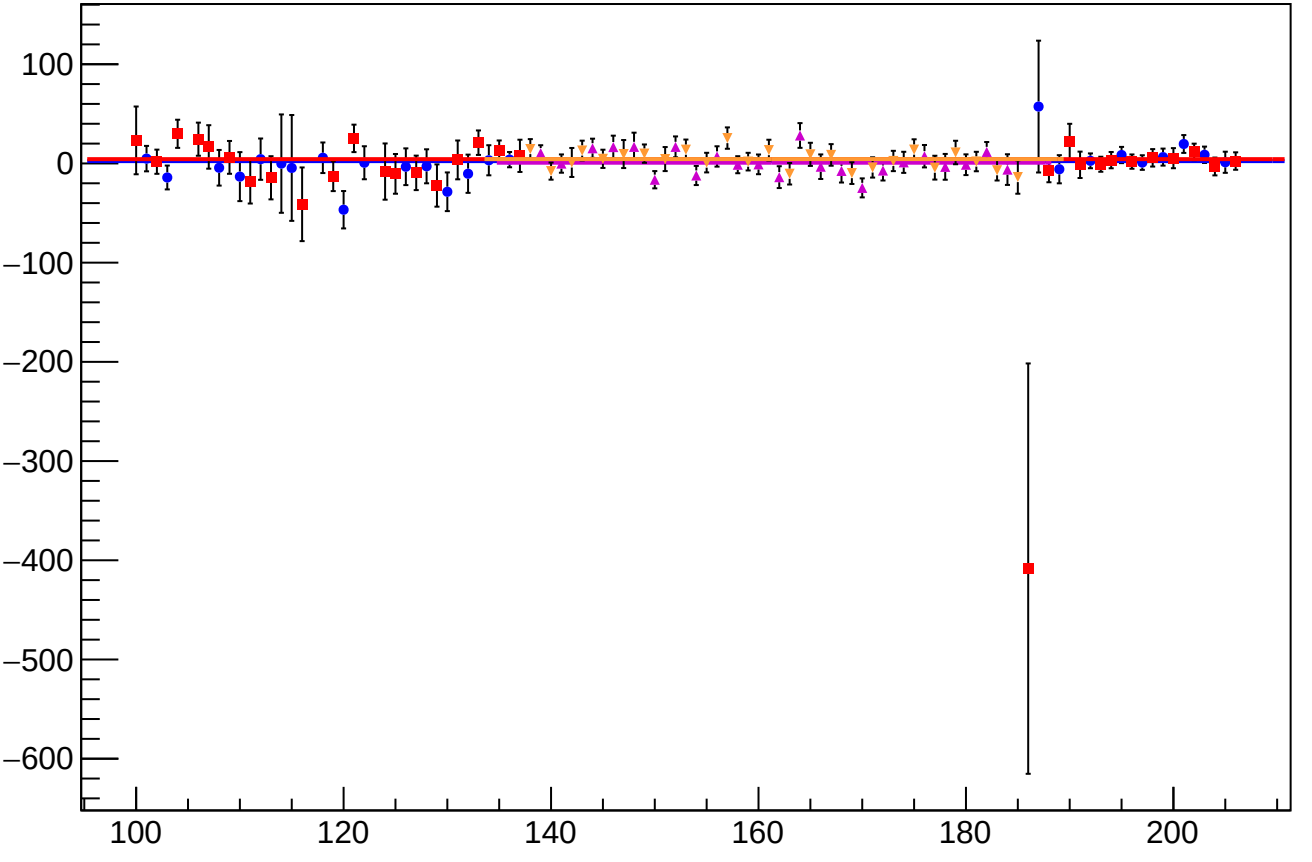
Left In: 851.618+/-0.142 χ^2/NDF:382555.6/22

+ sign 945.435+/-0.125 χ^2/NDF: 8102149.4/49

All: 960.122+/-0.089 χ^2/NDF: 17240662.1/10

- sign 975.587+/-0.128 χ^2/NDF: 9110023.6/53

diff_bpmtargetsumY_mean vs Slug



Right In: 2.343+/-2.423 χ^2/NDF: 18.6/24

Left Out: 4.383+/-2.122 χ^2/NDF:18.6/24

Right Out: 4.329+/-2.242 χ^2/NDF: 26.0/30

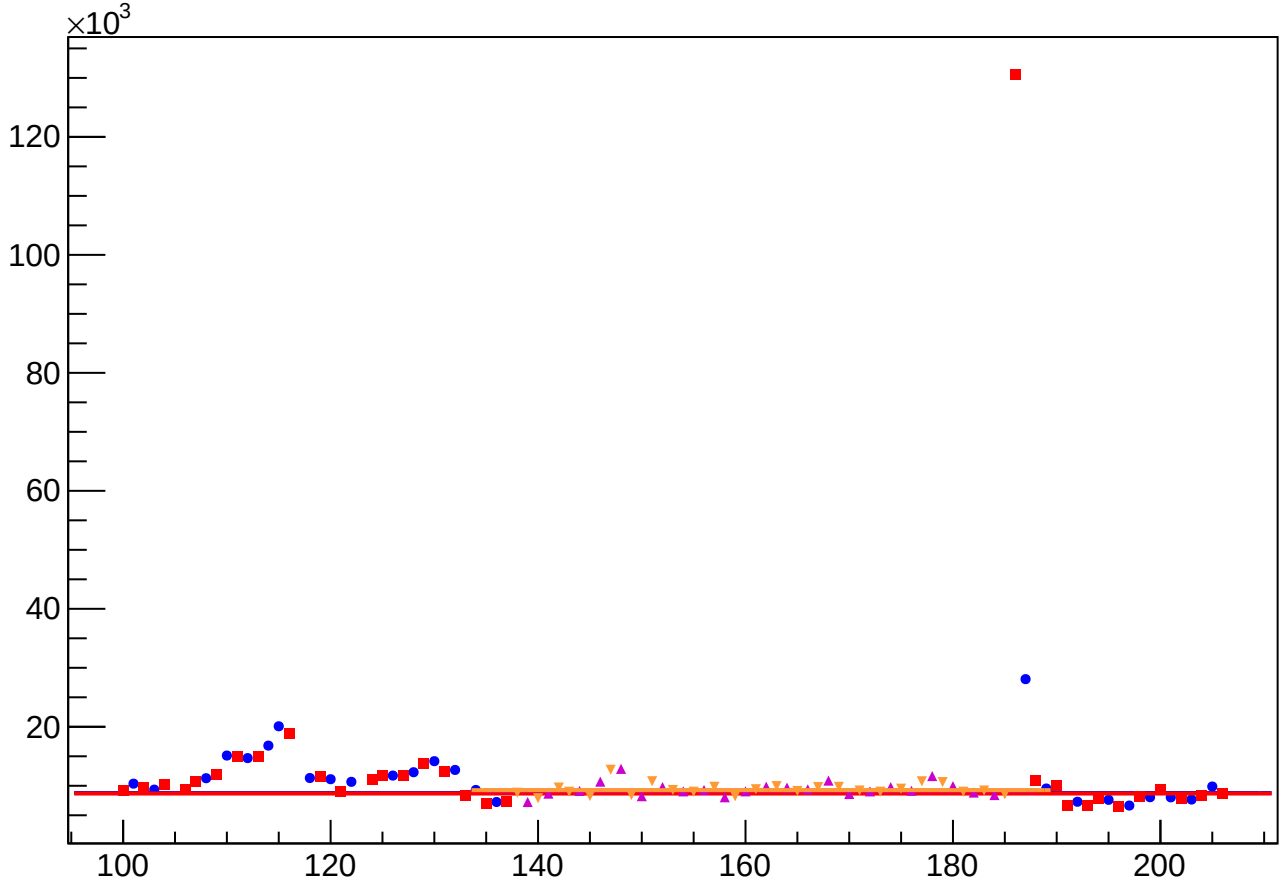
Left In: 0.734+/-2.171 χ^2/NDF:32.0/22

+ sign 3.498+/-1.596 χ^2/NDF: 37.6/49

All: 2.974+/-1.115 χ^2/NDF: 97.2/103

- sign 2.473+/-1.559 χ^2/NDF: 59.4/53

diff_bpmtargetsumY_rms vs Slug



Right In: 8766.414+/-1.713 χ^2/NDF: 1617611.0/24

Left Out: 9261.542+/-1.500 χ^2/NDF:366072.4/24

Right Out: 8690.931+/-1.585 χ^2/NDF: 2297245.9/30

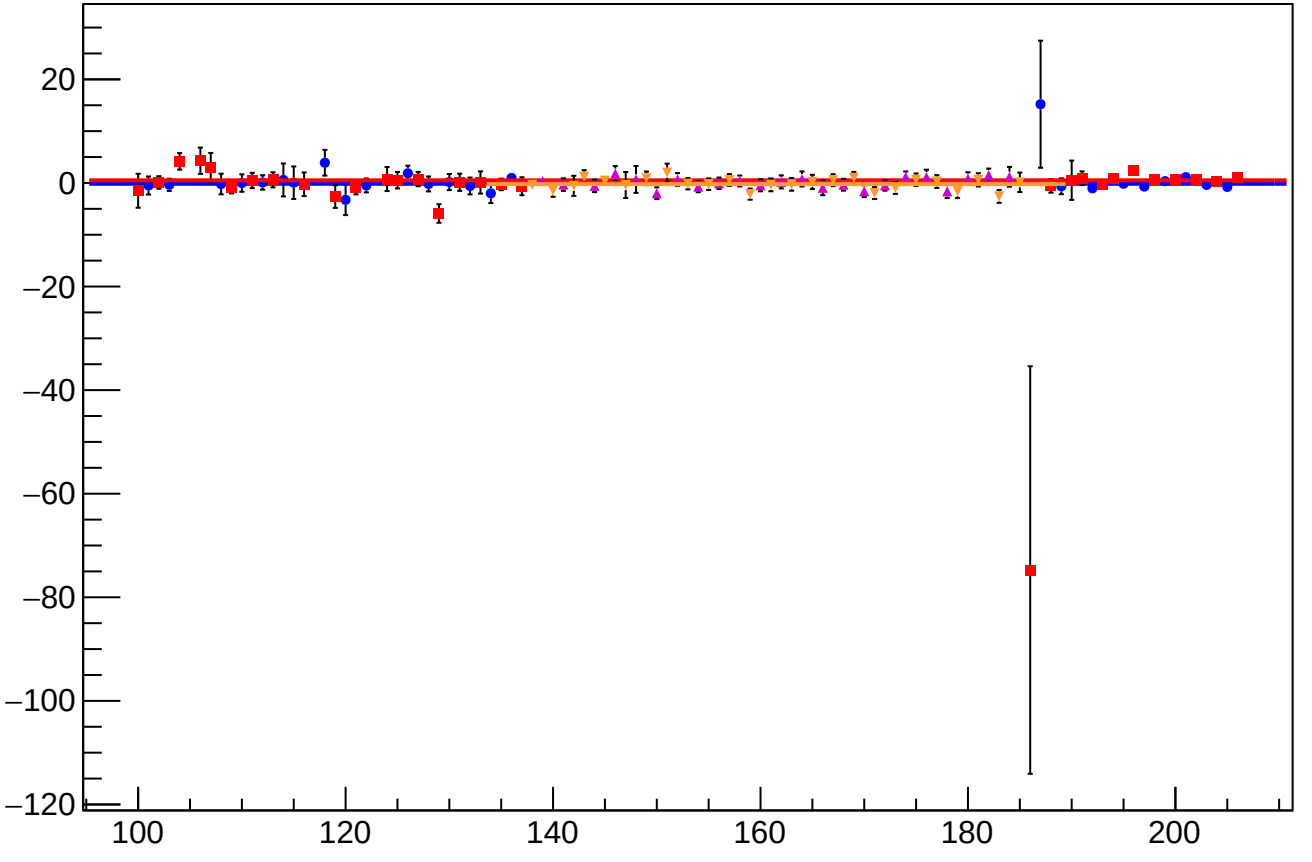
Left In: 9199.542+/-1.535 χ^2/NDF:515496.8/22

+ sign 9046.684+/-1.129 χ^2/NDF: 2030950.2/49

All: 8998.987+/-0.789 χ^2/NDF: 4900311.7/10

- sign 8953.463+/-1.103 χ^2/NDF: 2865871.5/53

diff_bpmtargetdiffY_mean vs Slug



Right In: -0.160+/-0.226 χ^2/NDF: 15.7/24

Left Out: -0.229+/-0.243 χ^2/NDF:19.0/24

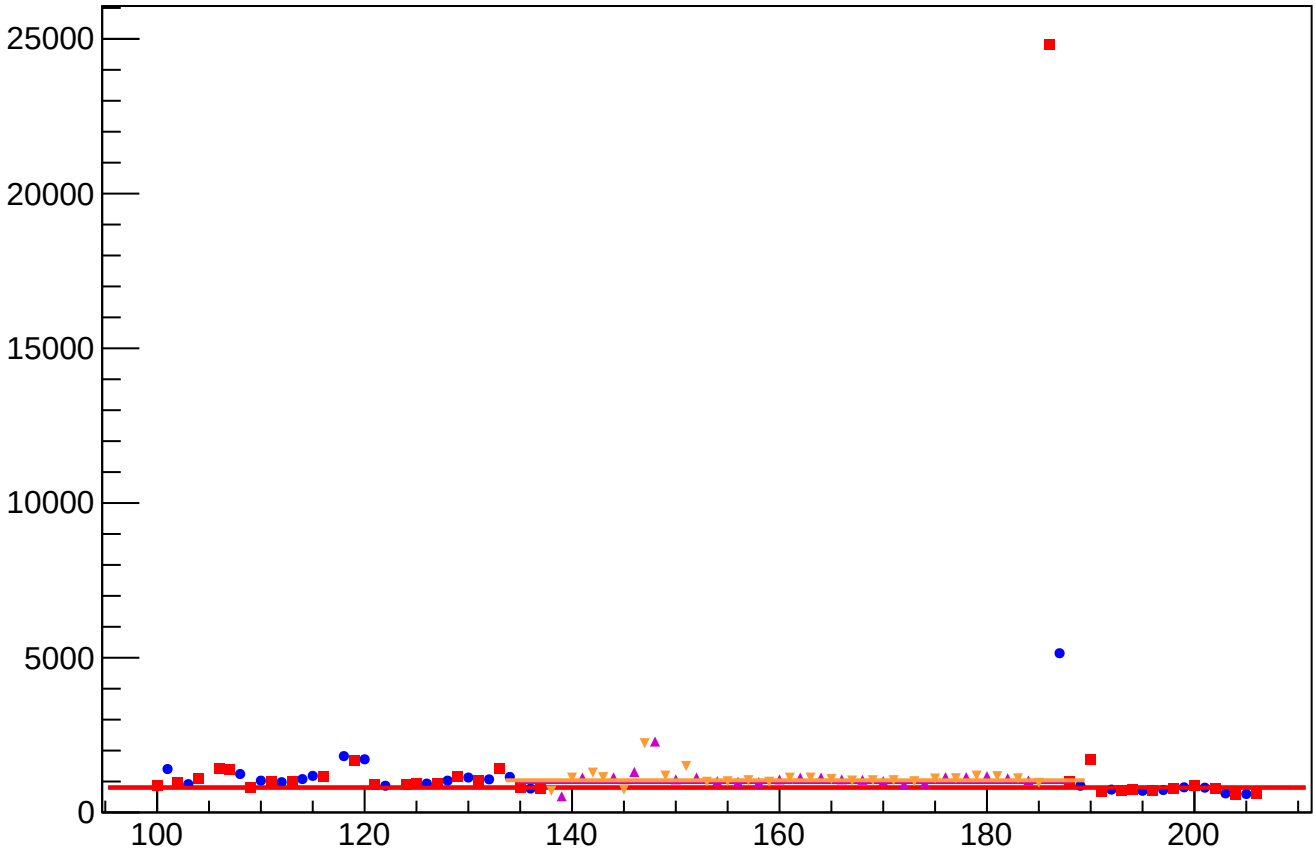
Right Out: 0.506+/-0.210 χ^2/NDF: 39.1/30

Left In: 0.025+/-0.239 χ^2/NDF:15.2/22

+ sign -0.192+/-0.166 χ^2/NDF: 34.7/49

All: 0.064+/-0.114 χ^2/NDF: 95.9/103

- sign 0.296+/-0.158 χ^2/NDF: 56.6/53



Right In: 808.079+/-0.160 χ^2/NDF: 1959751.2/24

Left Out: 1039.424+/-0.172 χ^2/NDF:1339748.9/24

Right Out: 800.635+/-0.149 χ^2/NDF: 2534529.5/30

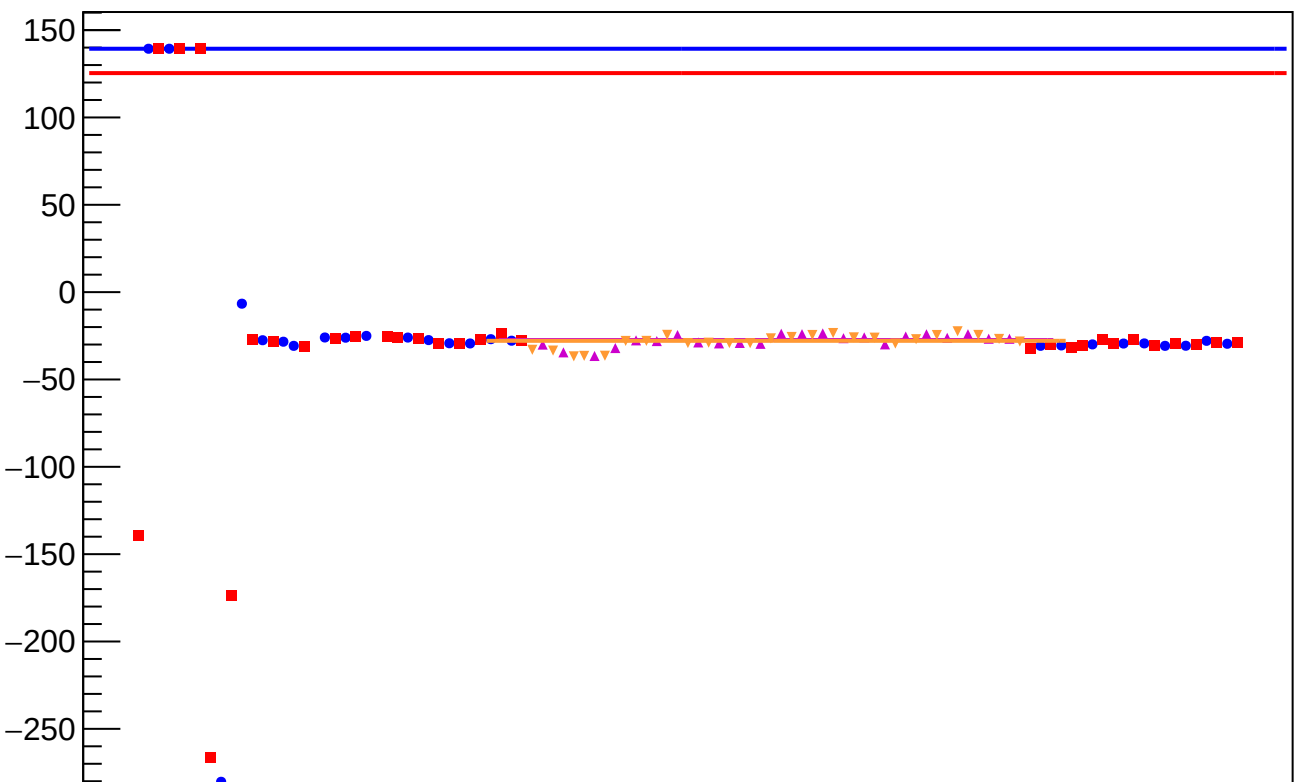
Left In: 981.677+/-0.169 χ^2/NDF:2225094.5/22

+ sign 915.234+/-0.117 χ^2/NDF: 4269331.3/49

All: 896.514+/-0.081 χ^2/NDF: 9724684.6/103

- sign 879.521+/-0.112 χ^2/NDF: 5406630.8/53

yield_cav4bX_mean vs Slug



Right In: 139.336+/-0.000 χ^2/NDF: 56706944638.3/24

Left Out: -27.865+/-0.000 χ^2/NDF:181586557.6/24

Right Out: 125.391+/-0.000 χ^2/NDF: 774184567703669.1/30

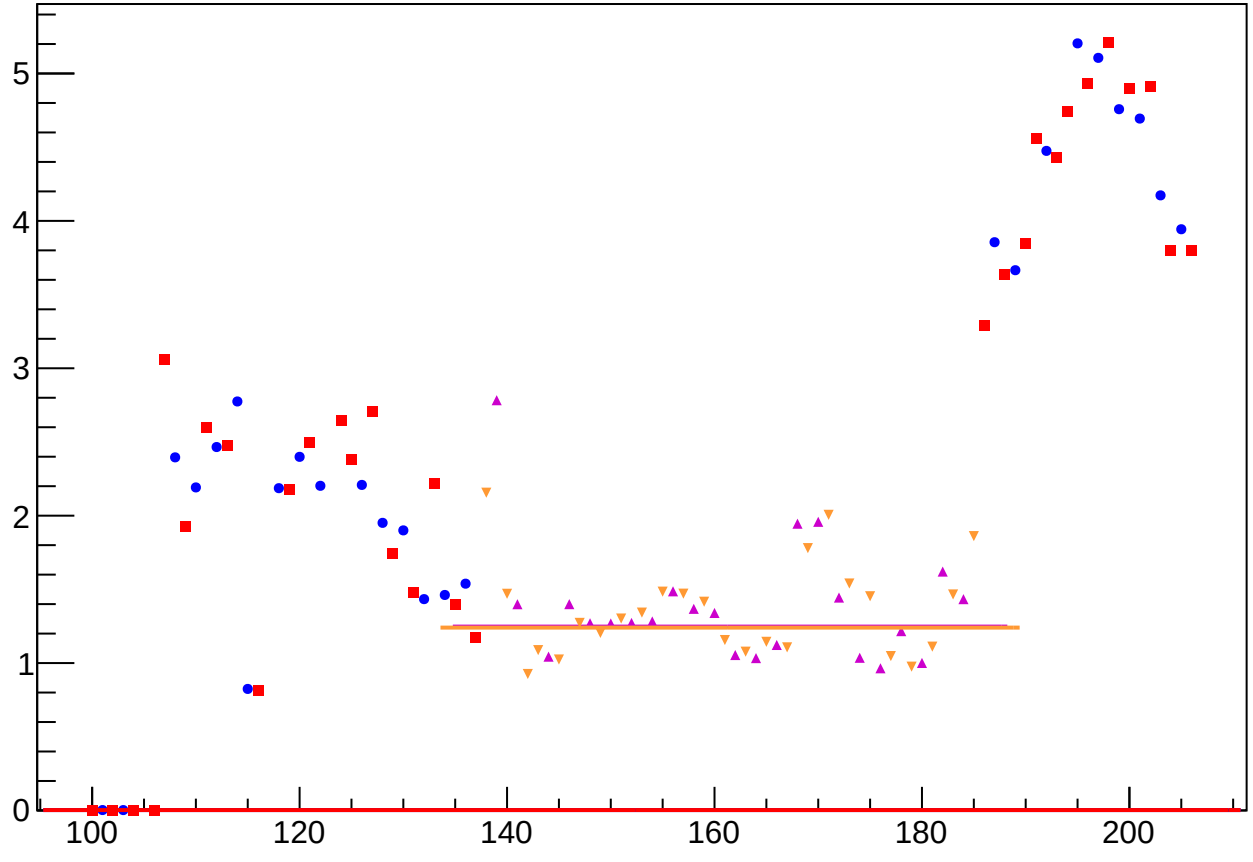
Left In: -27.427+/-0.000 χ^2/NDF:123181562.3/22

+ sign 139.327+/-0.000 χ^2/NDF: 331249743156.6/4

All: 131.810+/-0.000 χ^2/NDF: 79350861159

- sign 125.385+/-0.000 χ^2/NDF: 774398220380279

yield_cav4bX_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 22849705.8/24

Left Out: 1.241+/-0.000 χ^2/NDF:1221248.2/24

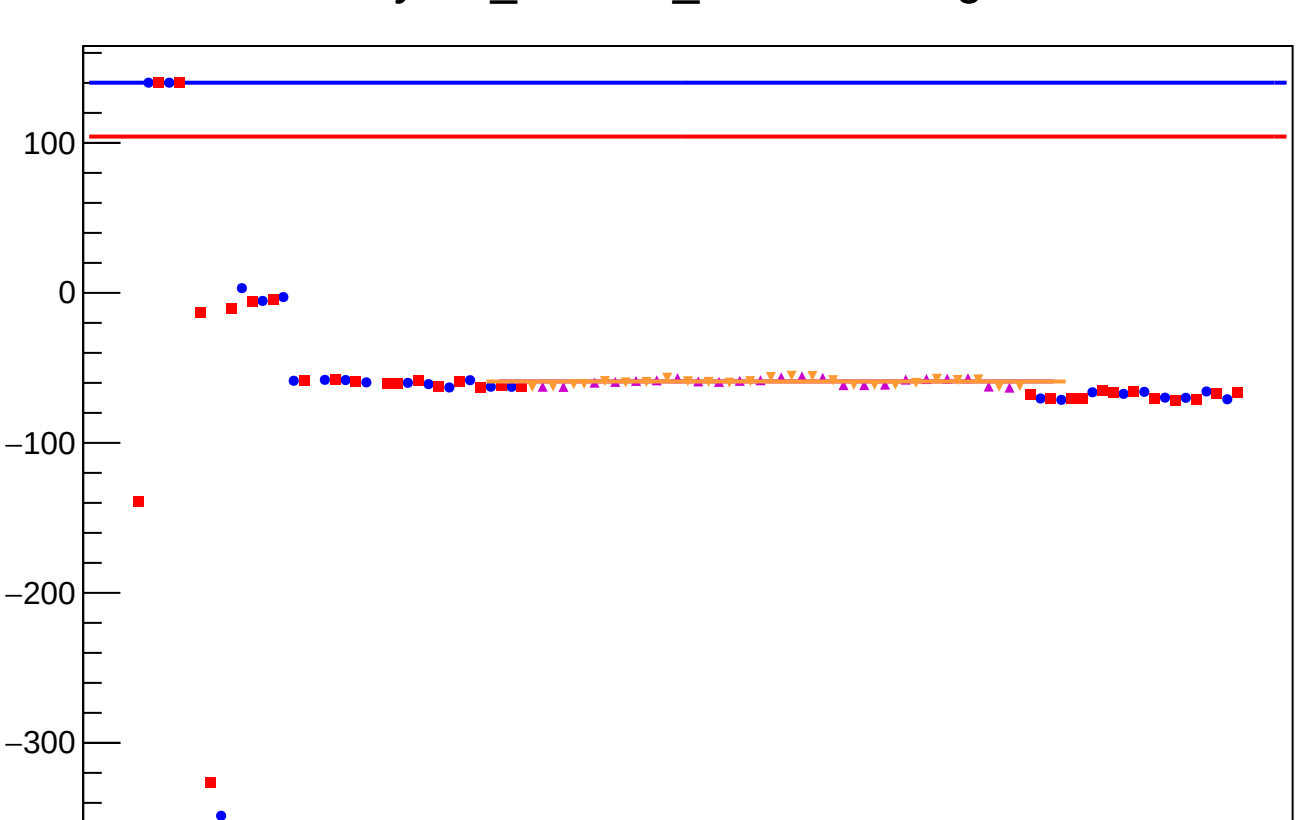
Right Out: 0.003+/-0.000 χ^2/NDF: 27096719.6/30

Left In: 1.247+/-0.000 χ^2/NDF:1436411.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 54147958.3/49

All: 0.003+/-0.000 χ^2/NDF: 111011975.5/103

- sign 0.003+/-0.000 χ^2/NDF: 56863659.7/53



Right In: 140.138+/-0.000 χ^2/NDF: 399401490280.2/24

Left Out: -59.066+/-0.000 χ^2/NDF:177511074.0/24

Right Out: 104.219+/-0.000 χ^2/NDF: 1257599525487578.0/30

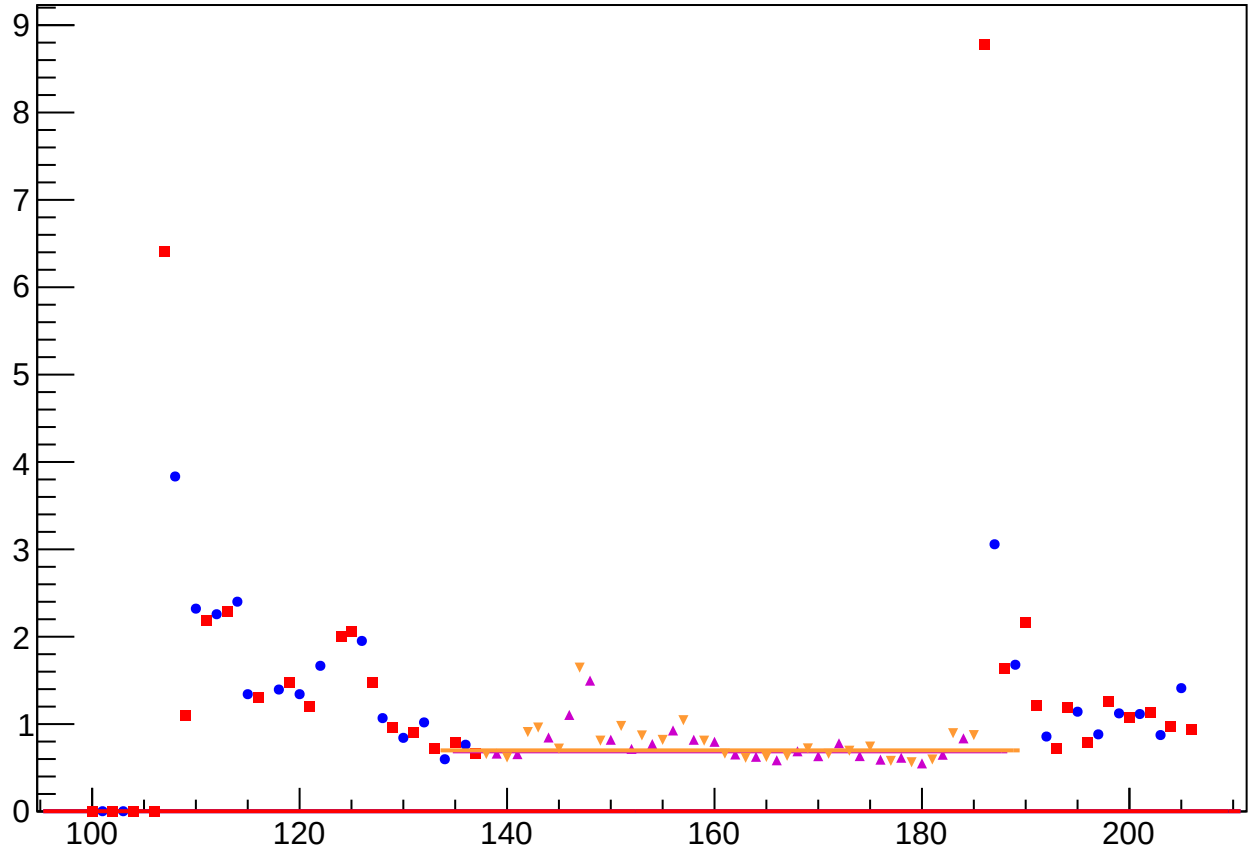
Left In: -59.020+/-0.000 χ^2/NDF:179236820.4/22

+ sign 140.101+/-0.000 χ^2/NDF: 1696518010341.7

All: 120.796+/-0.000 χ^2/NDF: 13834058225

- sign 104.193+/-0.000 χ^2/NDF: 125845653205905

yield_cav4bY_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 21535779.3/24

Left Out: 0.699+/-0.000 χ^2/NDF:1357196.3/24

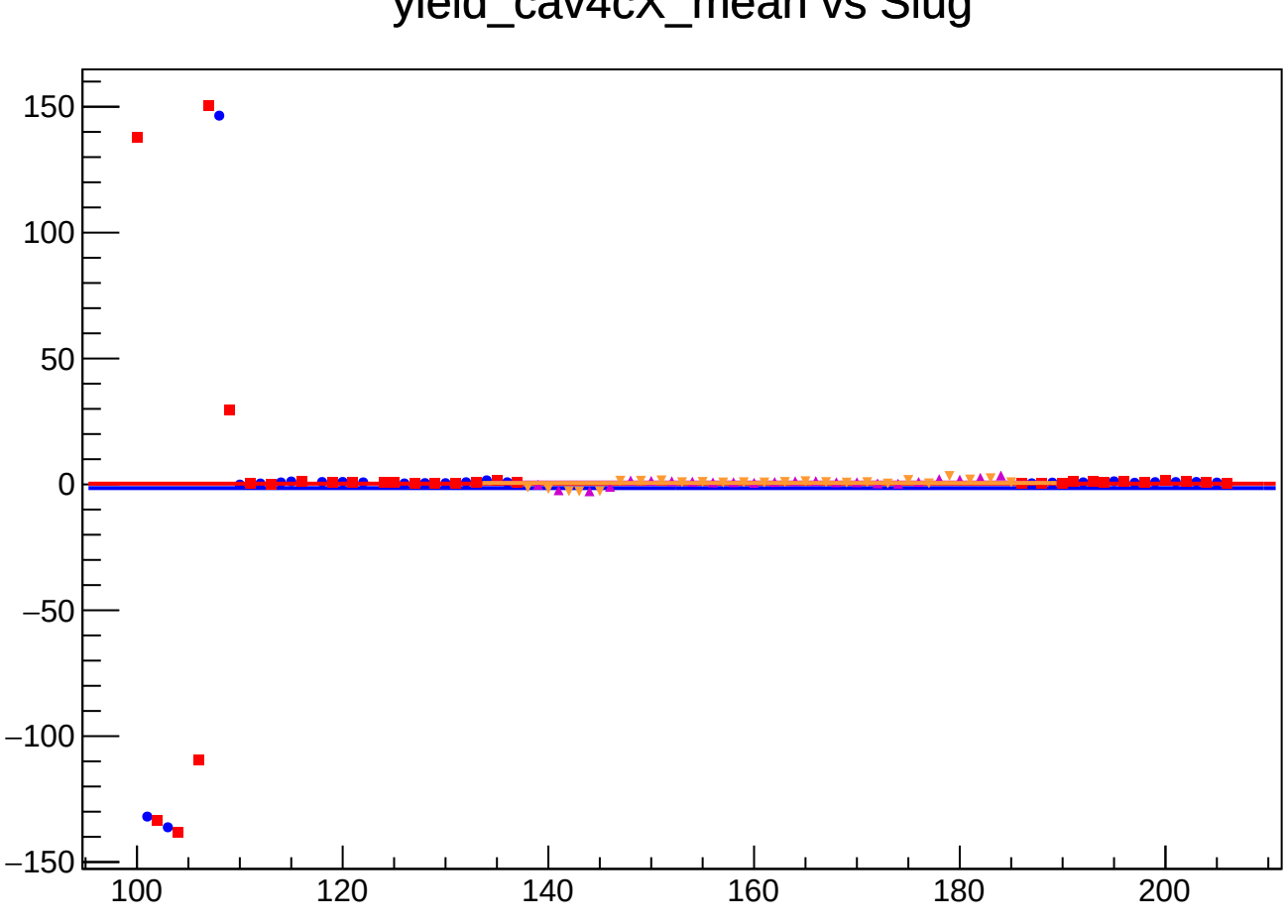
Right Out: 0.003+/-0.000 χ^2/NDF: 25155234.9/30

Left In: 0.688+/-0.000 χ^2/NDF:1107767.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 54587567.6/49

All: 0.003+/-0.000 χ^2/NDF: 111050994.8/103

- sign 0.003+/-0.000 χ^2/NDF: 56462943.2/53



Right In: -1.478+/-0.000 χ^2/NDF: 9901783067.2/24

Left Out: 0.575+/-0.000 χ^2/NDF:154364809.1/24

Right Out: 0.296+/-0.000 χ^2/NDF: 3612922074.3/30

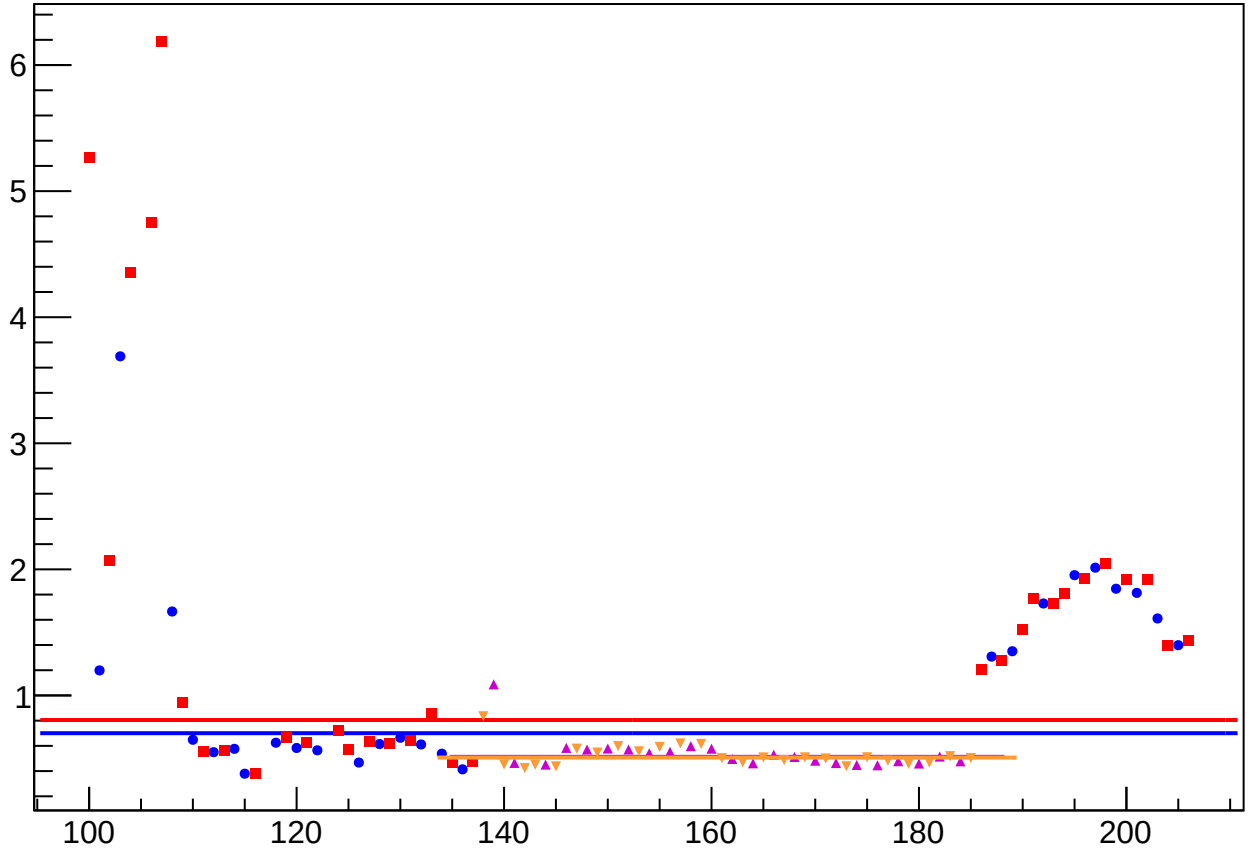
Left In: 0.732+/-0.000 χ^2/NDF:105135095.8/22

+ sign 0.096+/-0.000 χ^2/NDF: 10115944730.4/49

All: 0.352+/-0.000 χ^2/NDF: 13847347124.9/1

- sign 0.632+/-0.000 χ^2/NDF: 3720505158.1/53

yield_cav4cX_rms vs Slug



Right In: 0.700+/-0.000 χ^2/NDF: 6839589.3/24

Left Out: 0.507+/-0.000 χ^2/NDF:554639.8/24

Right Out: 0.805+/-0.000 χ^2/NDF: 8115743.0/30

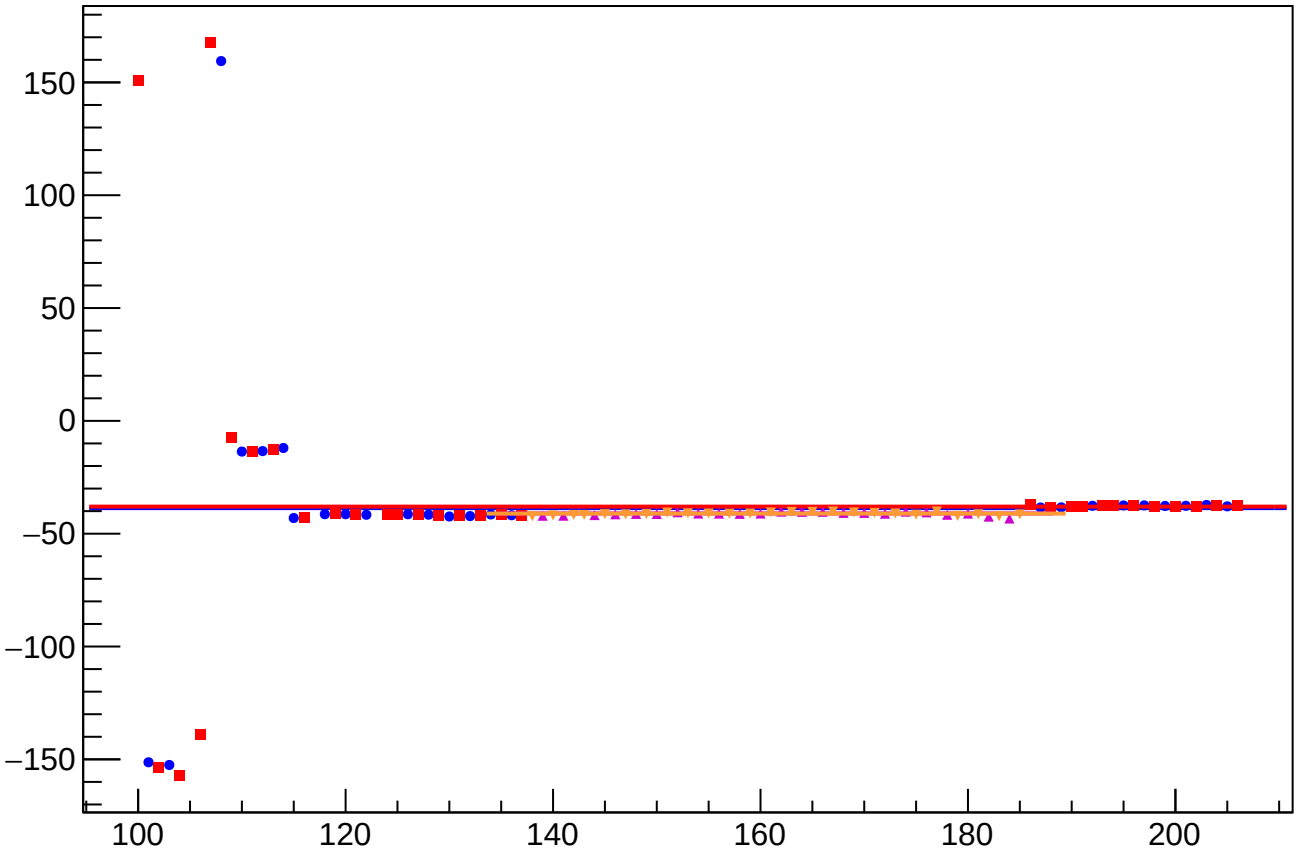
Left In: 0.513+/-0.000 χ^2/NDF:753419.6/22

+ sign 0.552+/-0.000 χ^2/NDF: 8456122.4/49

All: 0.565+/-0.000 χ^2/NDF: 19583688.4/103

- sign 0.580+/-0.000 χ^2/NDF: 11068632.6/53

yield_cav4cY_mean vs Slug



Right In: -38.665+/-0.000 χ^2/NDF: 3596978722.4/24

Left Out: -41.092+/-0.000 χ^2/NDF:60251030.2/24

Right Out: -38.005+/-0.000 χ^2/NDF: 2512954585.2/30

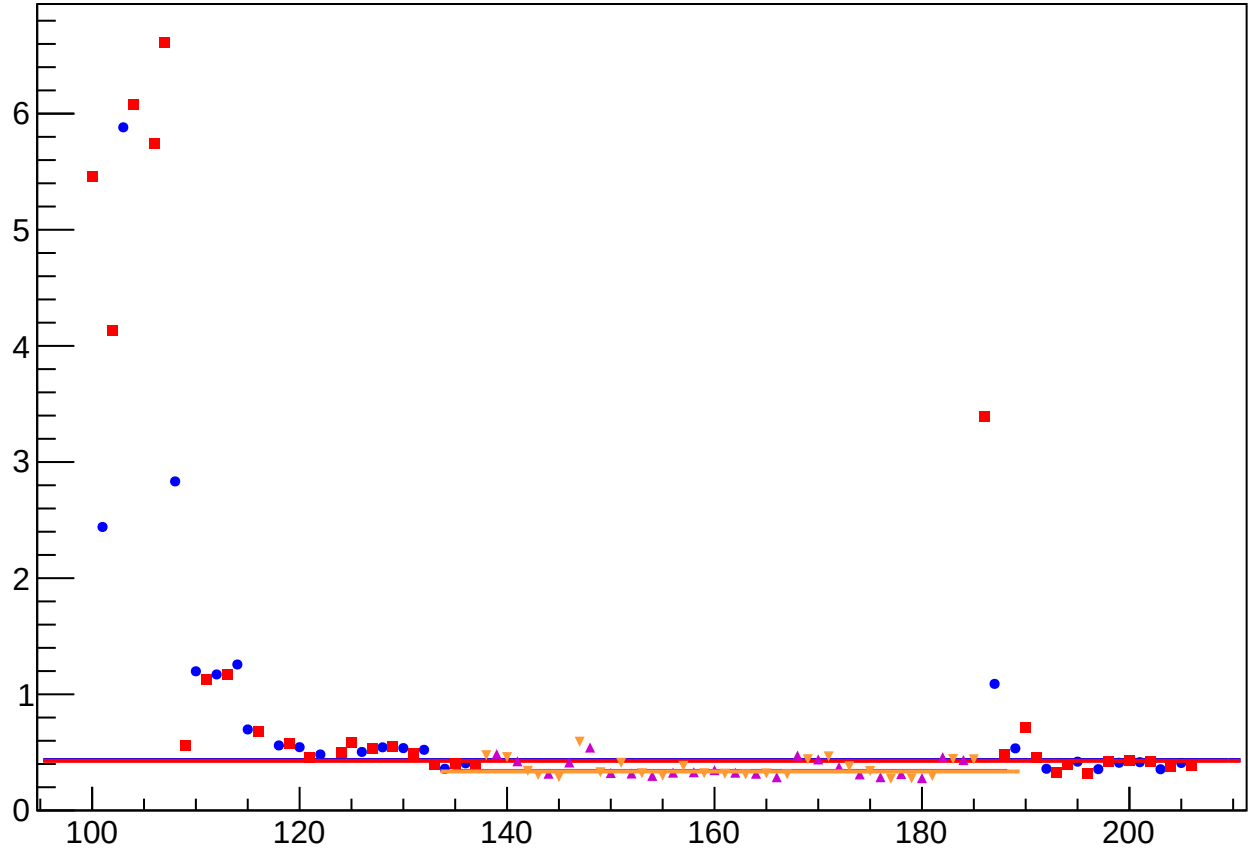
Left In: -41.029+/-0.000 χ^2/NDF:51382147.2/22

+ sign -40.433+/-0.000 χ^2/NDF: 3909150213.9/49

All: -40.243+/-0.000 χ^2/NDF: 6918304896.3/

- sign -40.051+/-0.000 χ^2/NDF: 2993472079.3/53

yield_cav4cY_rms vs Slug



Right In: 0.434+/-0.000 χ^2/NDF: 3648310.0/24

Left Out: 0.336+/-0.000 χ^2/NDF:1238006.0/24

Right Out: 0.427+/-0.000 χ^2/NDF: 4676899.2/30

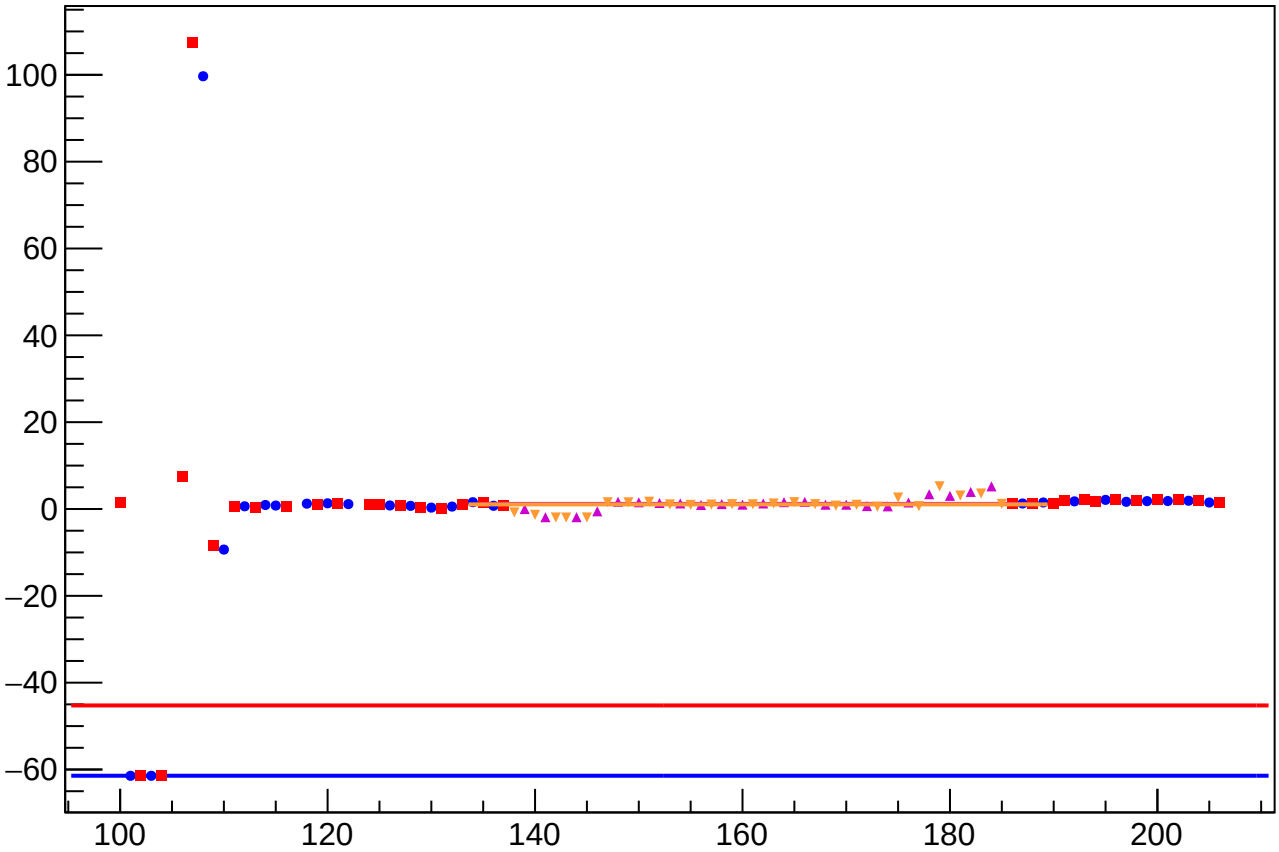
Left In: 0.340+/-0.000 χ^2/NDF:1065343.8/22

+ sign 0.362+/-0.000 χ^2/NDF: 5713453.2/49

All: 0.365+/-0.000 χ^2/NDF: 12174108.8/103

- sign 0.368+/-0.000 χ^2/NDF: 6452844.2/53

yield_cav4dX_mean vs Slug



Right In: -61.435+/-0.000 χ^2/NDF: 286101897762.4/24

Left Out: 1.059+/-0.000 χ^2/NDF:253133917.4/24

Right Out: -45.245+/-0.000 χ^2/NDF: 357880106303536.5/30

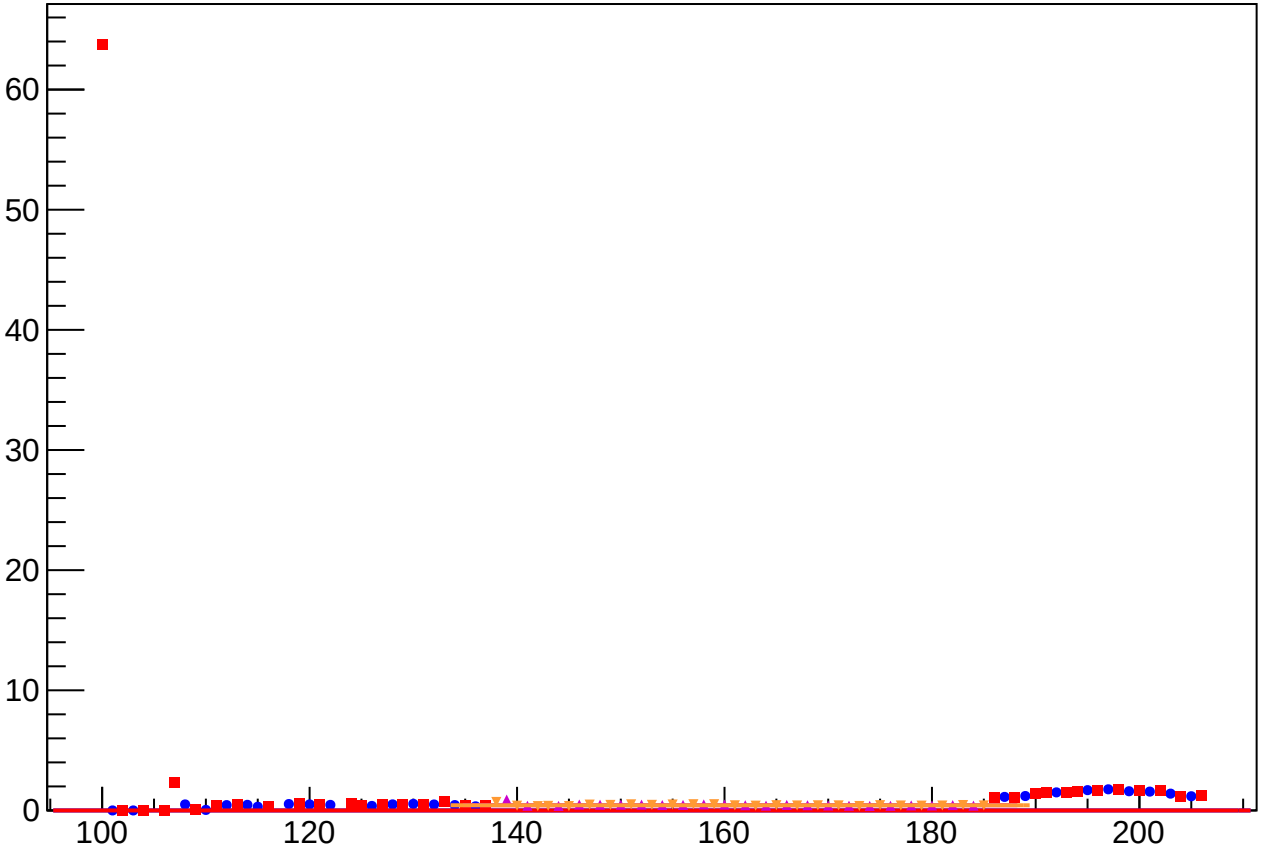
Left In: 1.175+/-0.000 χ^2/NDF:182397676.2/22

+ sign -61.421+/-0.000 χ^2/NDF: 616104737144.1/4

All: -52.737+/-0.000 χ^2/NDF: 409613855202

- sign -45.236+/-0.000 χ^2/NDF: 358046669667231.

yield_cav4dX_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 22416513.1/24

Left Out: 0.432+/-0.000 χ^2/NDF:527546.3/24

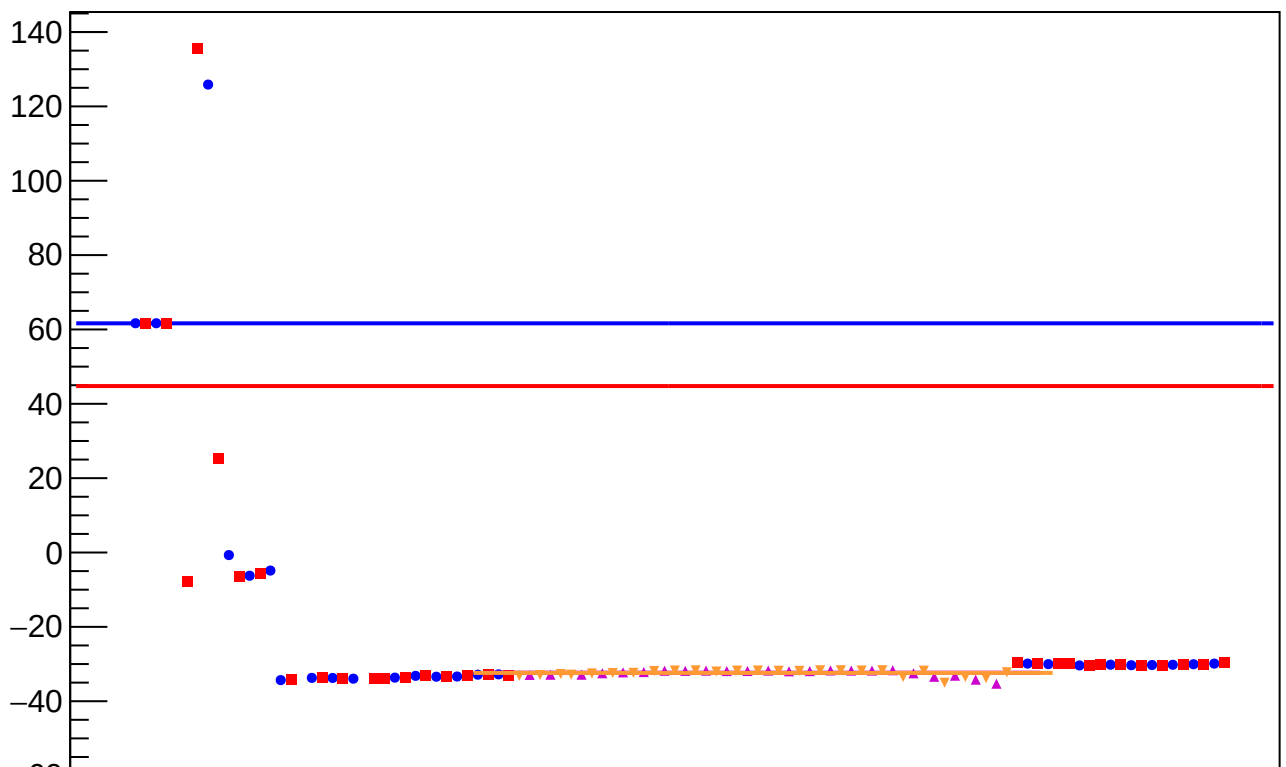
Right Out: 0.001+/-0.000 χ^2/NDF: 26698431.4/30

Left In: 0.438+/-0.000 χ^2/NDF:698702.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 54180457.0/49

All: 0.002+/-0.000 χ^2/NDF: 111020420.4/103

- sign 0.002+/-0.000 χ^2/NDF: 56839805.4/53



Right In: 61.646+/-0.000 χ^2/NDF: 870296797139.0/24

Left Out: -32.386+/-0.000 χ^2/NDF:172024234.9/24

Right Out: 44.771+/-0.000 χ^2/NDF: 366505425775610.6/30

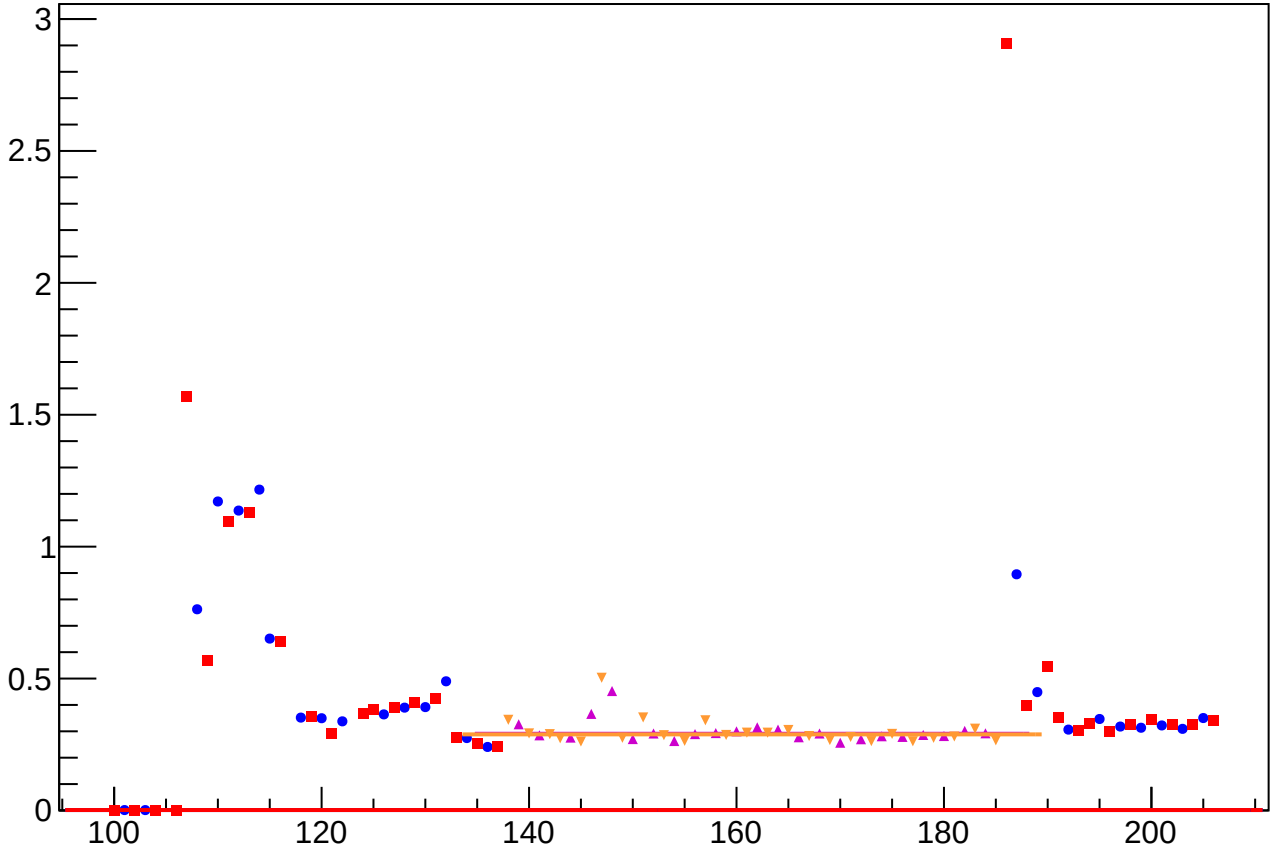
Left In: -32.325+/-0.000 χ^2/NDF:118654391.5/22

+ sign 61.584+/-0.000 χ^2/NDF: 2827757466649.2/4

All: 52.623+/-0.000 χ^2/NDF: 421571335120

- sign 44.730+/-0.000 χ^2/NDF: 367732786533675.1

yield_cav4dY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 24028069.5/24

Left Out: 0.288+/-0.000 χ^2/NDF:522979.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 27627494.7/30

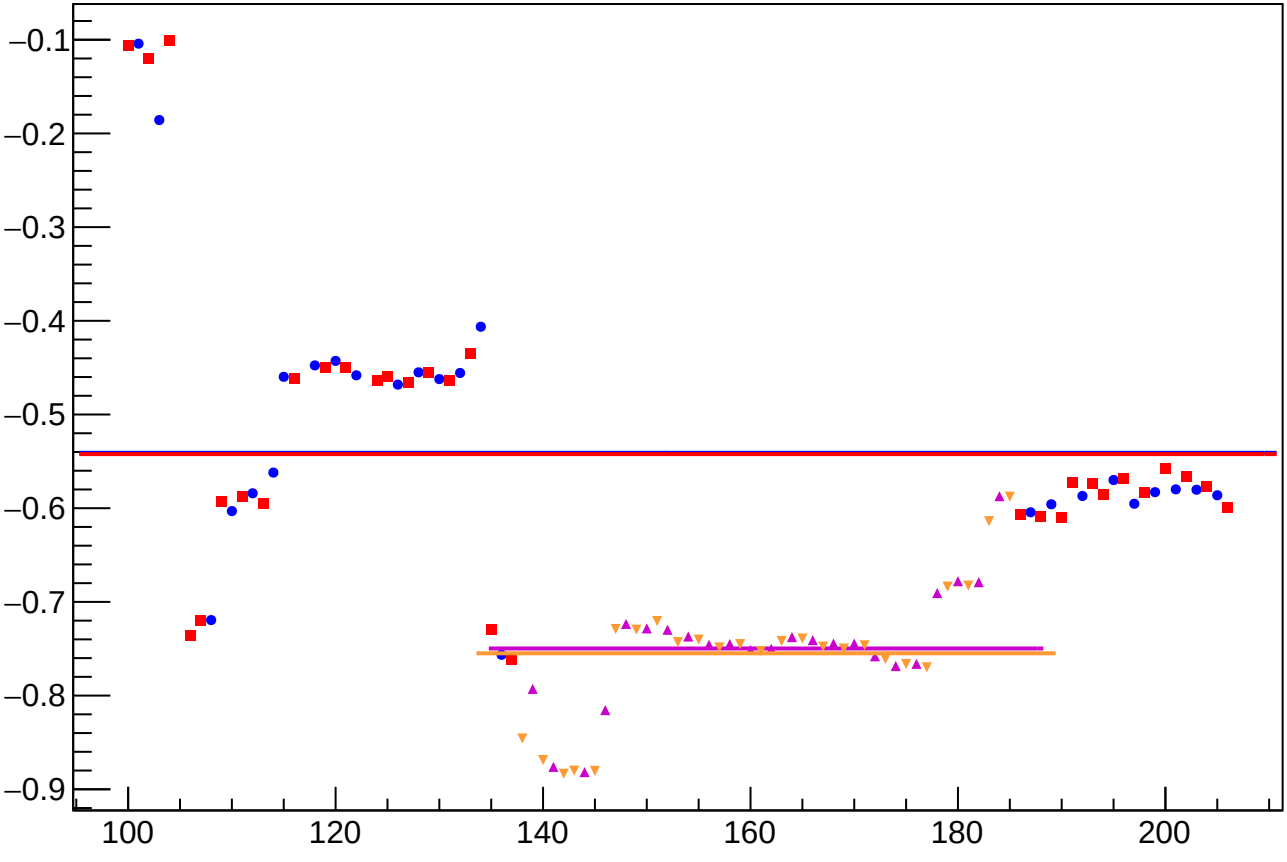
Left In: 0.291+/-0.000 χ^2/NDF:387524.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 60976782.4/49

All: 0.002+/-0.000 χ^2/NDF: 123497467.9/103

- sign 0.002+/-0.000 χ^2/NDF: 62520665.6/53

yield_bpm4aX_mean vs Slug



Right In: -0.541+/-0.000 χ^2/NDF: 304436929.5/24

Left Out: -0.755+/-0.000 χ^2/NDF:212643091.8/24

Right Out: -0.542+/-0.000 χ^2/NDF: 220280502.6/30

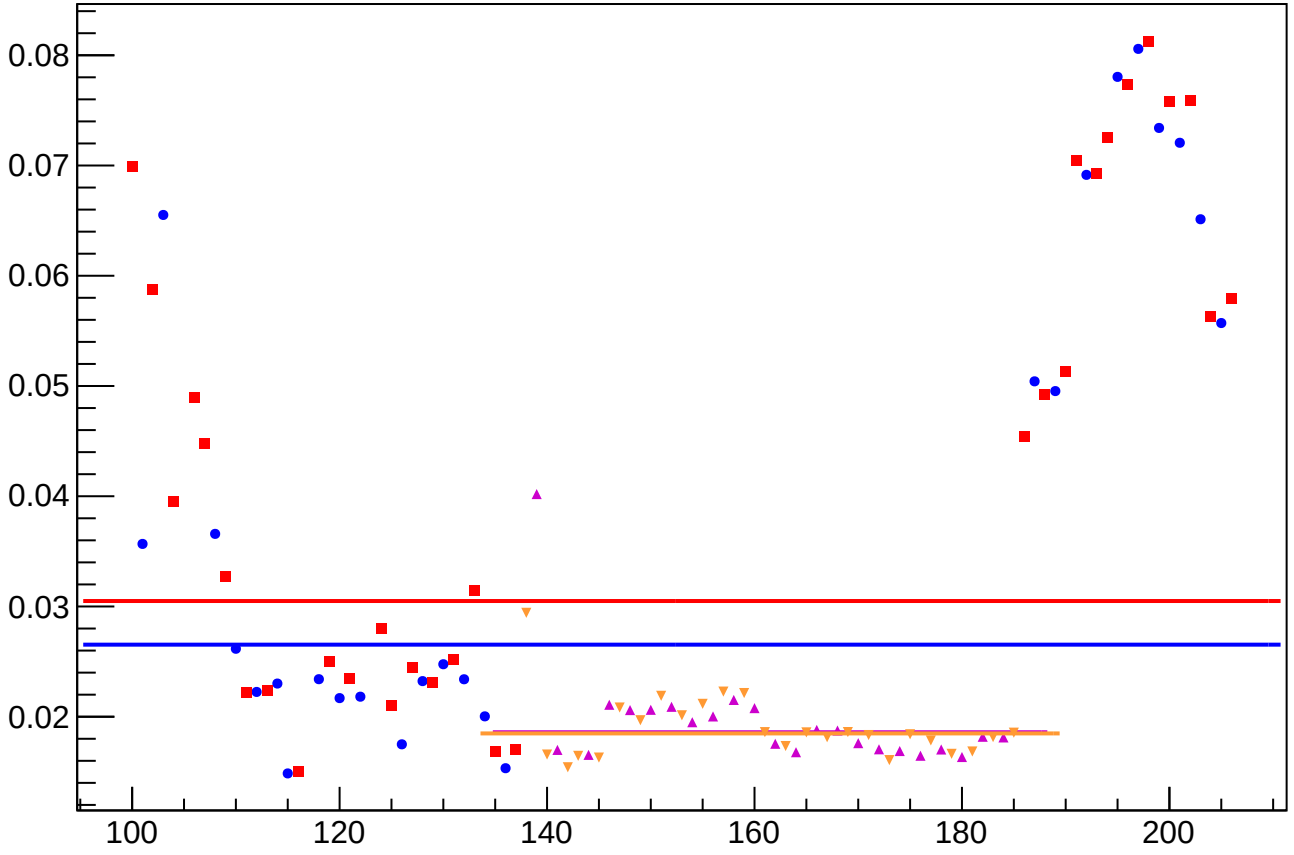
Left In: -0.750+/-0.000 χ^2/NDF:140839352.1/22

+ sign -0.707+/-0.000 χ^2/NDF: 984622491.1/49

All: -0.705+/-0.000 χ^2/NDF: 1753149889.7/1

- sign -0.704+/-0.000 χ^2/NDF: 768168522.9/53

yield_bpm4aX_rms vs Slug



Right In: 0.027+/-0.000 χ^2/NDF: 6640989.8/24

Left Out: 0.018+/-0.000 χ^2/NDF:491665.0/24

Right Out: 0.030+/-0.000 χ^2/NDF: 7180267.3/30

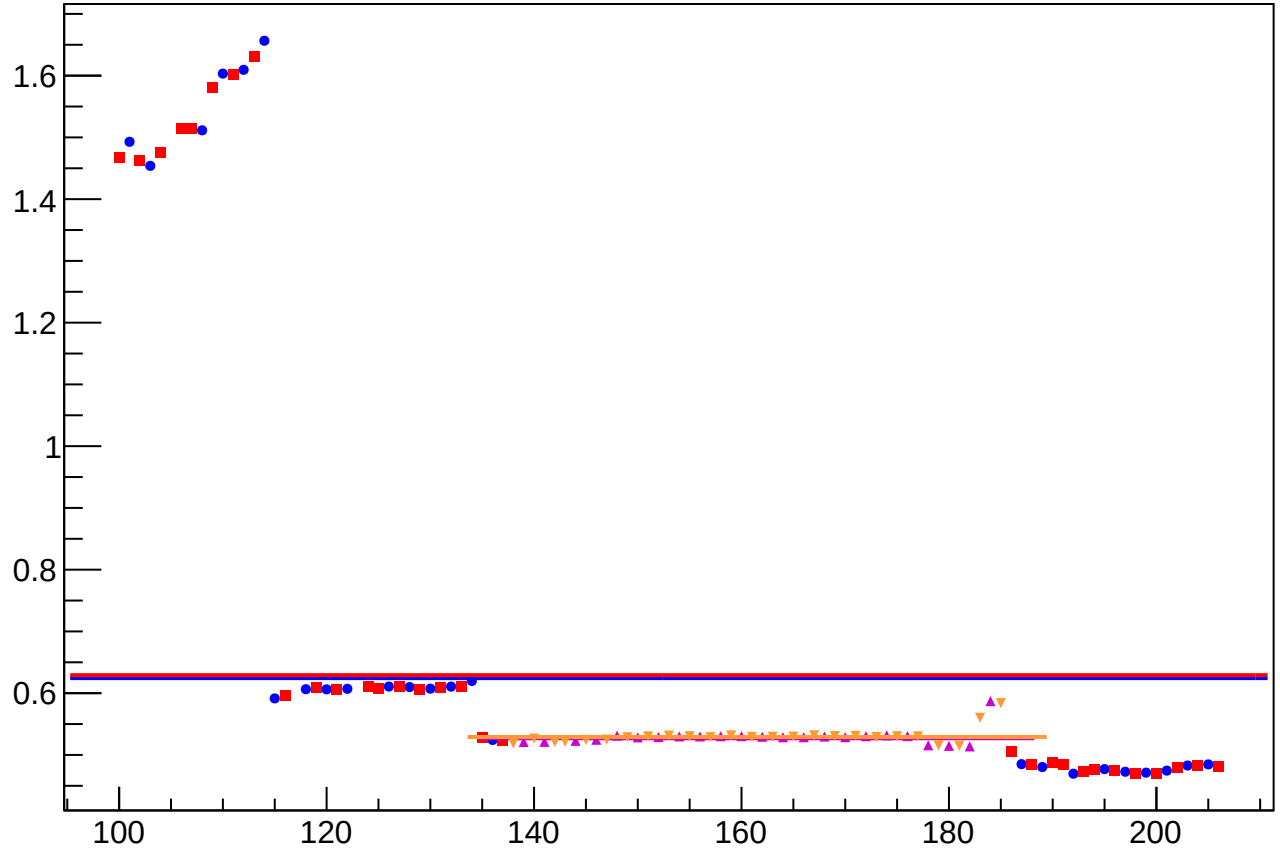
Left In: 0.019+/-0.000 χ^2/NDF:739183.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 8456699.7/49

All: 0.021+/-0.000 χ^2/NDF: 19107448.4/103

- sign 0.021+/-0.000 χ^2/NDF: 10598408.0/53

yield_bpm4aY_mean vs Slug



Right In: 0.624+/-0.000 χ^2/NDF: 5501933615.4/24

Left Out: 0.529+/-0.000 χ^2/NDF:16236836.5/24

Right Out: 0.629+/-0.000 χ^2/NDF: 6545597247.8/30

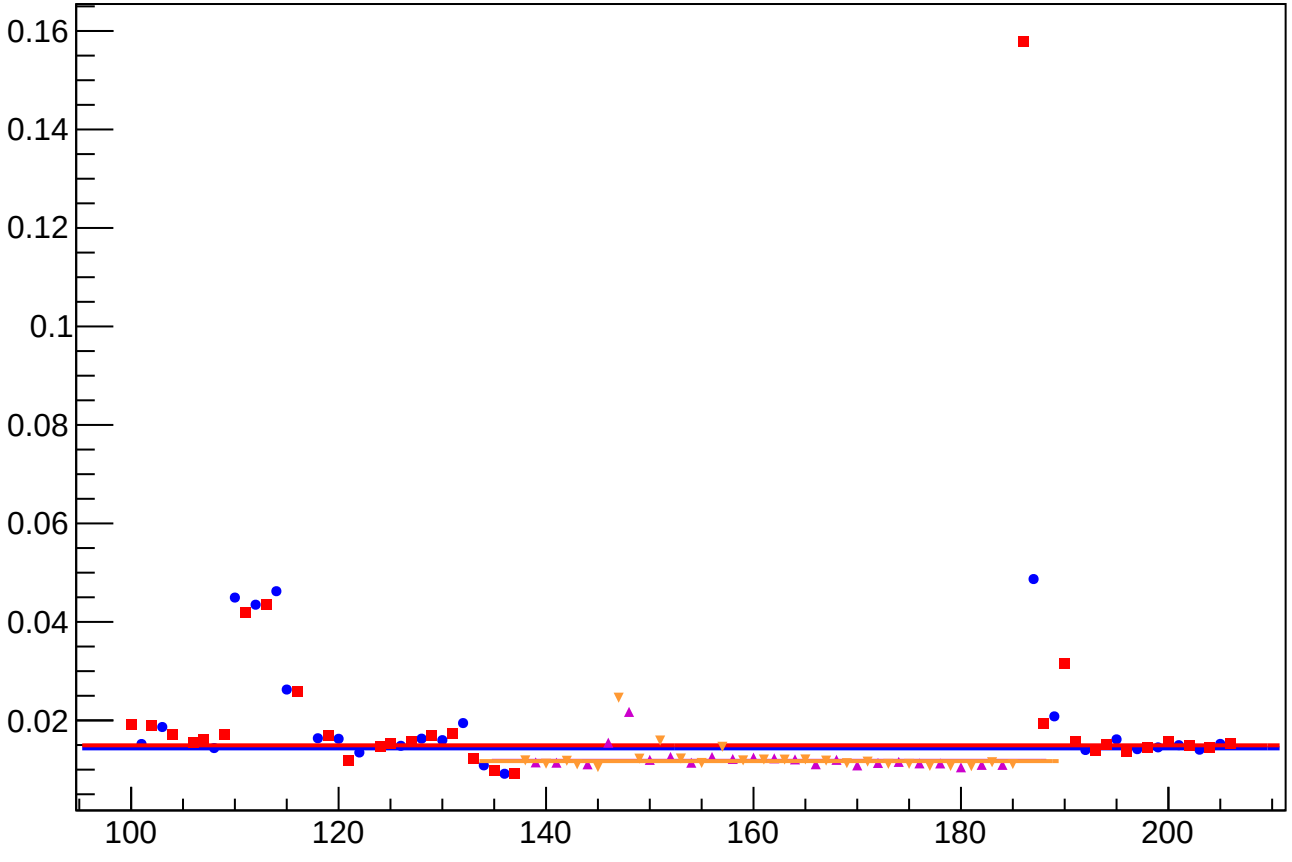
Left In: 0.527+/-0.000 χ^2/NDF:13035326.4/22

+ sign 0.558+/-0.000 χ^2/NDF: 5895598670.2/49

All: 0.560+/-0.000 χ^2/NDF: 12900720121.4/1

- sign 0.561+/-0.000 χ^2/NDF: 7004259444.6/53

yield_bpm4aY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1969583.6/24

Left Out: 0.012+/-0.000 χ^2/NDF:699878.1/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2385029.7/30

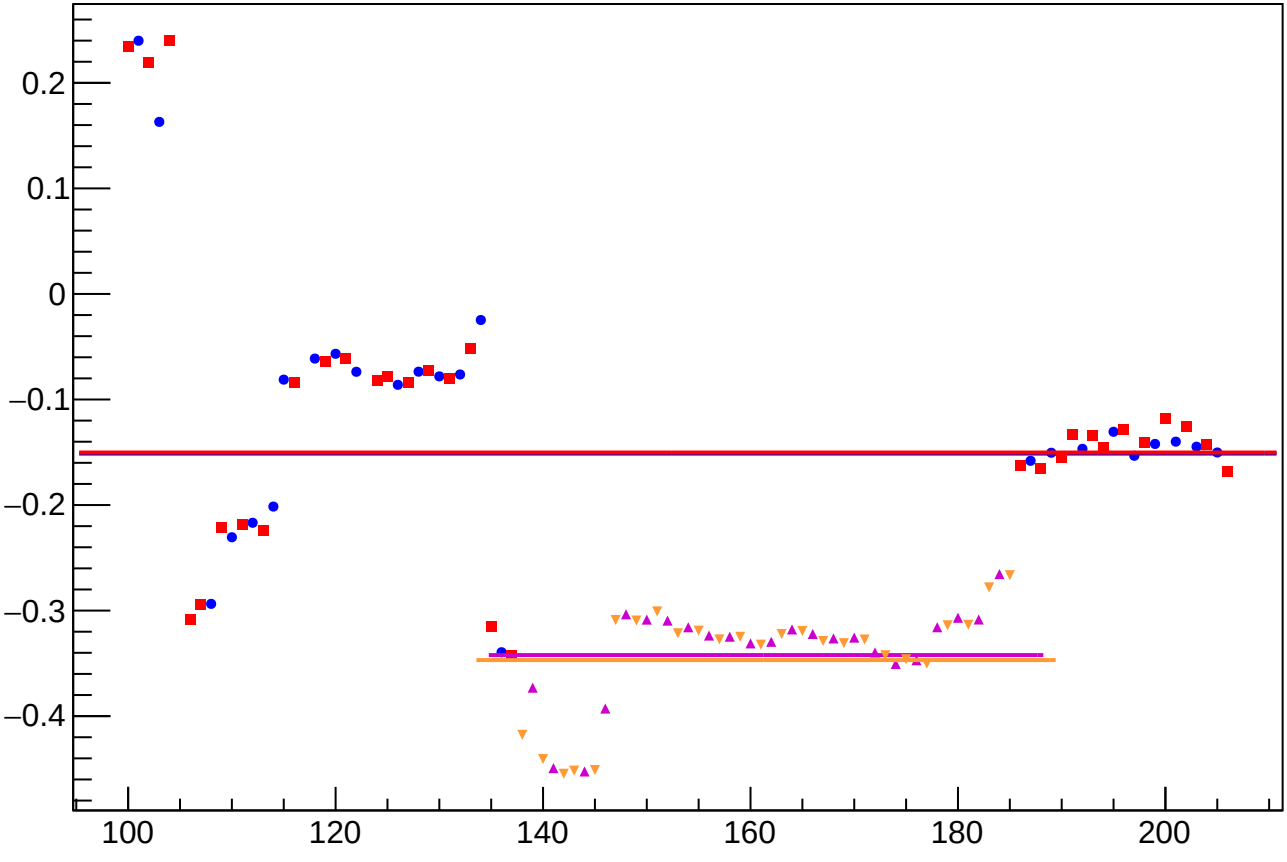
Left In: 0.012+/-0.000 χ^2/NDF:519826.8/22

+ sign 0.013+/-0.000 χ^2/NDF: 3224906.3/49

All: 0.013+/-0.000 χ^2/NDF: 6995074.9/103

- sign 0.013+/-0.000 χ^2/NDF: 3750361.2/53

yield_bpm4eX_mean vs Slug



Right In: -0.151+/-0.000 χ^2/NDF: 276912574.0/24

Left Out: -0.347+/-0.000 χ^2/NDF:125890246.2/24

Right Out: -0.150+/-0.000 χ^2/NDF: 200054316.2/30

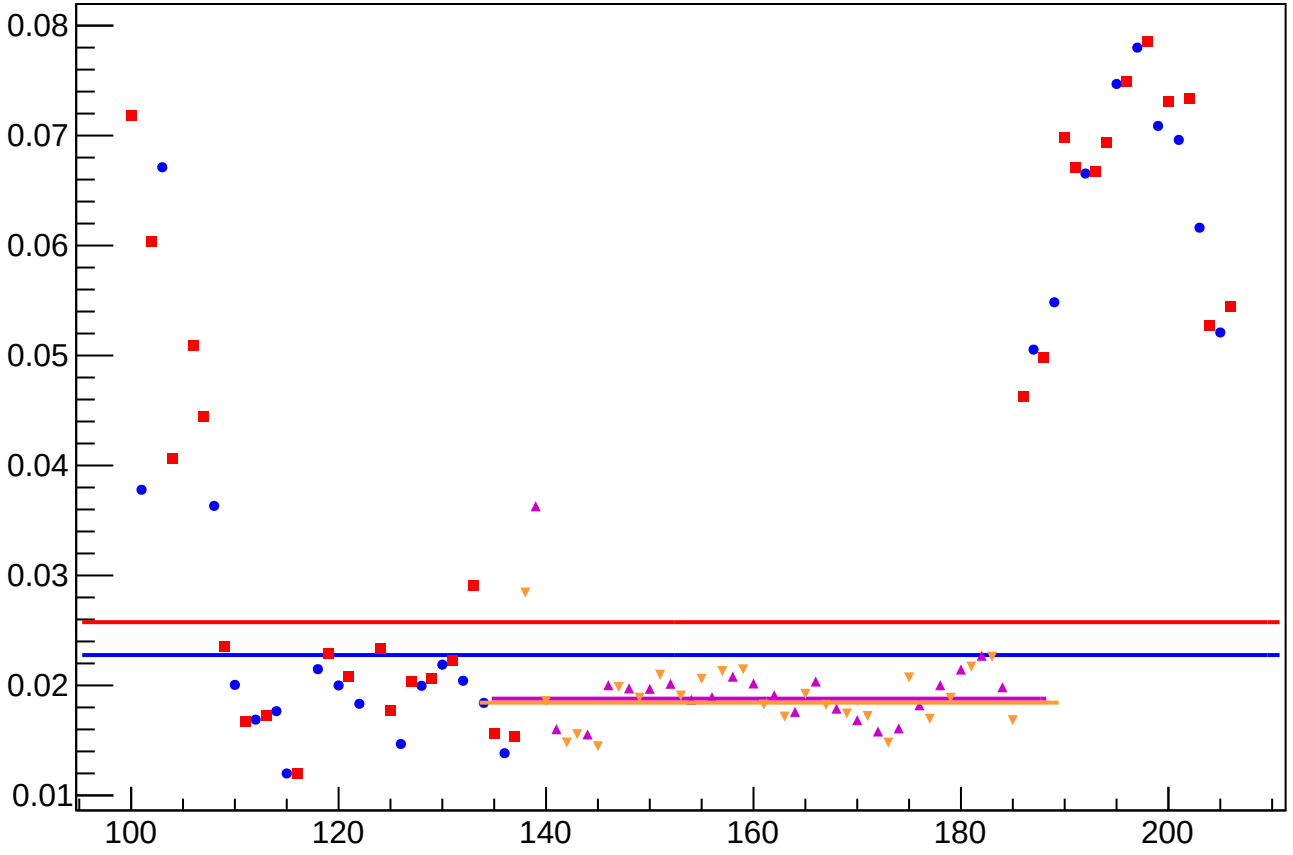
Left In: -0.342+/-0.000 χ^2/NDF:88220744.3/22

+ sign -0.295+/-0.000 χ^2/NDF: 880266157.3/49

All: -0.292+/-0.000 χ^2/NDF: 1596609844.7/1

- sign -0.290+/-0.000 χ^2/NDF: 715619289.0/53

yield_bpm4eX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 7570665.7/24

Left Out: 0.018+/-0.000 χ^2/NDF:640029.5/24

Right Out: 0.026+/-0.000 χ^2/NDF: 8663632.7/30

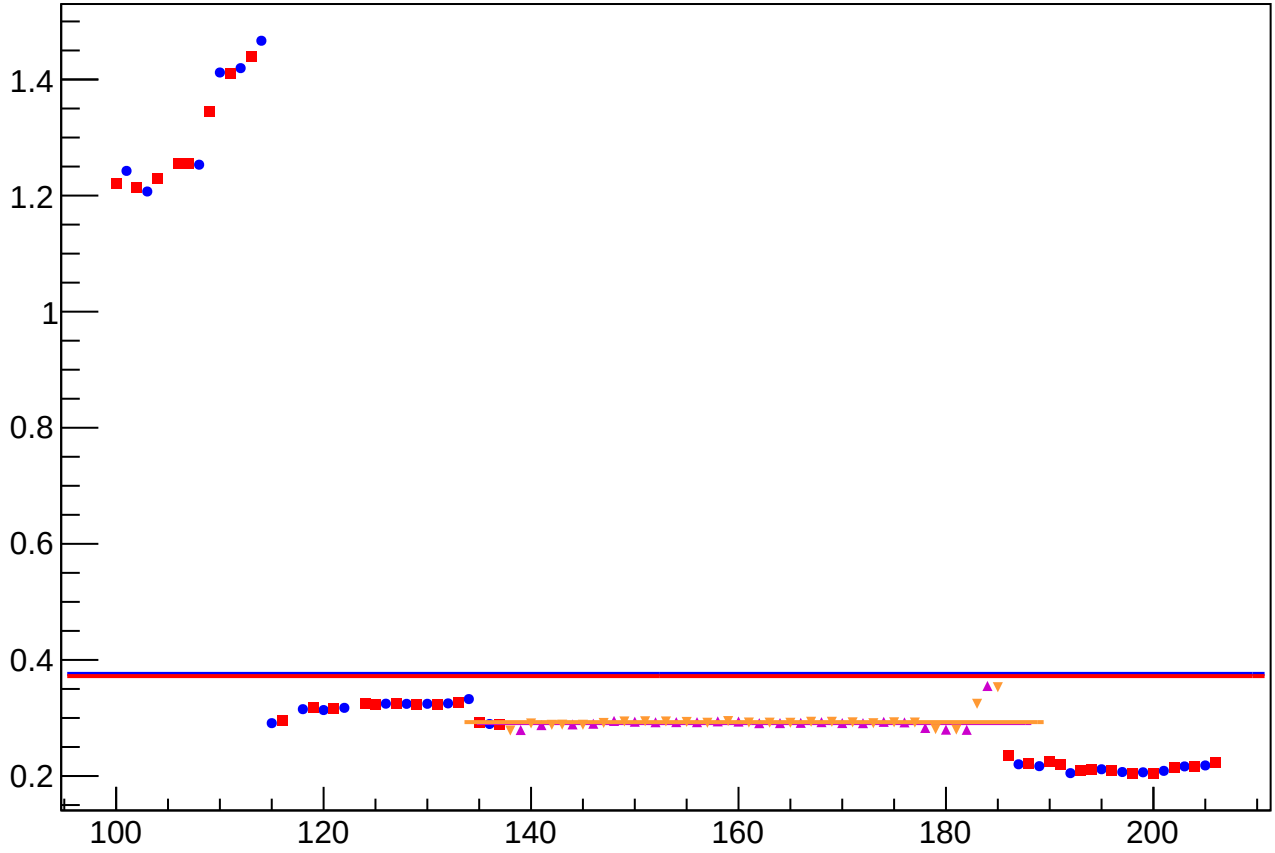
Left In: 0.019+/-0.000 χ^2/NDF:718726.0/22

+ sign 0.020+/-0.000 χ^2/NDF: 8677375.0/49

All: 0.020+/-0.000 χ^2/NDF: 19256252.0/103

- sign 0.021+/-0.000 χ^2/NDF: 10504381.8/53

yield_bpm4eY_mean vs Slug



Right In: 0.376+/-0.000 χ^2/NDF: 8155333112.3/24

Left Out: 0.293+/-0.000 χ^2/NDF:17281571.0/24

Right Out: 0.372+/-0.000 χ^2/NDF: 9237645200.8/30

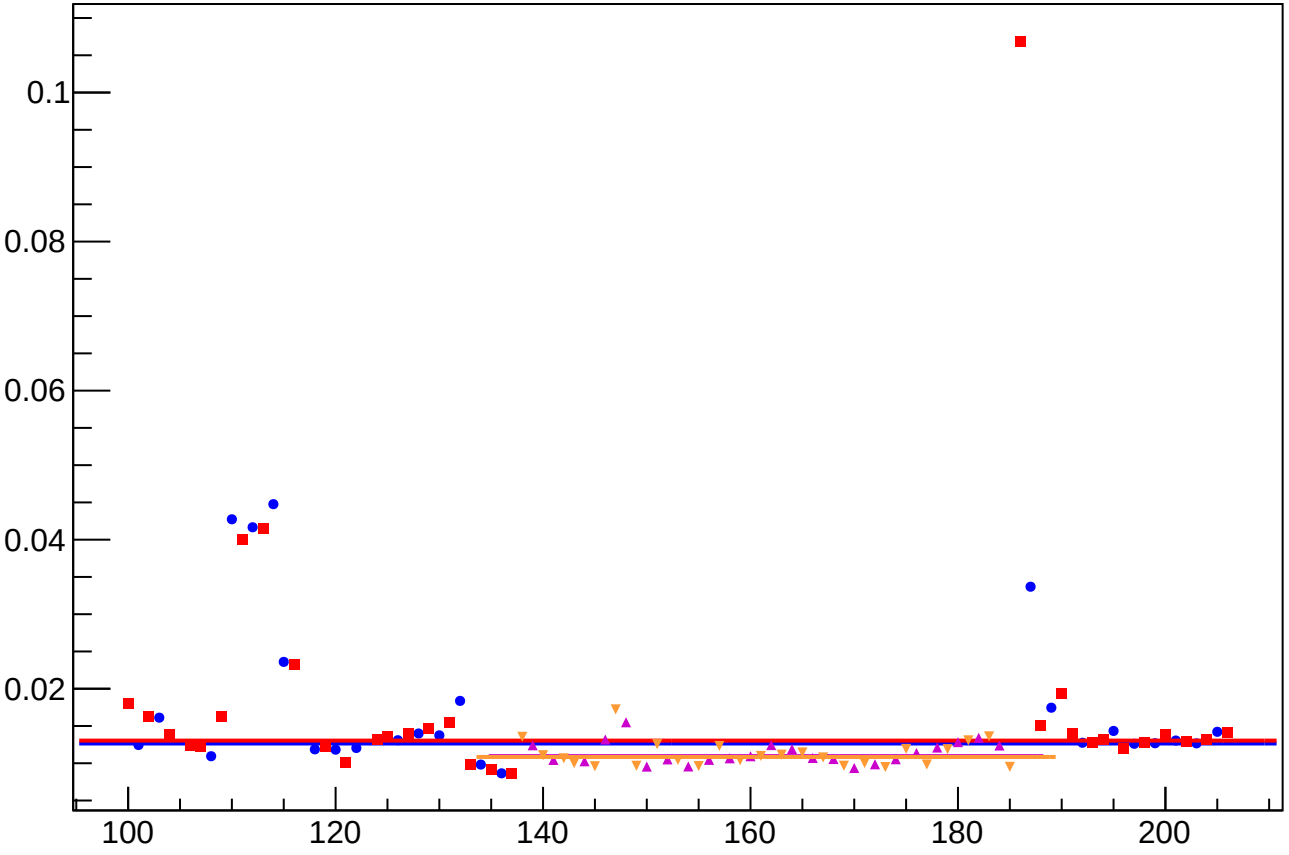
Left In: 0.291+/-0.000 χ^2/NDF:10282762.1/22

+ sign 0.320+/-0.000 χ^2/NDF: 8529516473.0/49

All: 0.321+/-0.000 χ^2/NDF: 18126893756.8/1

- sign 0.321+/-0.000 χ^2/NDF: 9597336055.4/53

yield_bpm4eY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1787402.5/24

Left Out: 0.011+/-0.000 χ^2/NDF:654475.7/24

Right Out: 0.013+/-0.000 χ^2/NDF: 2177408.5/30

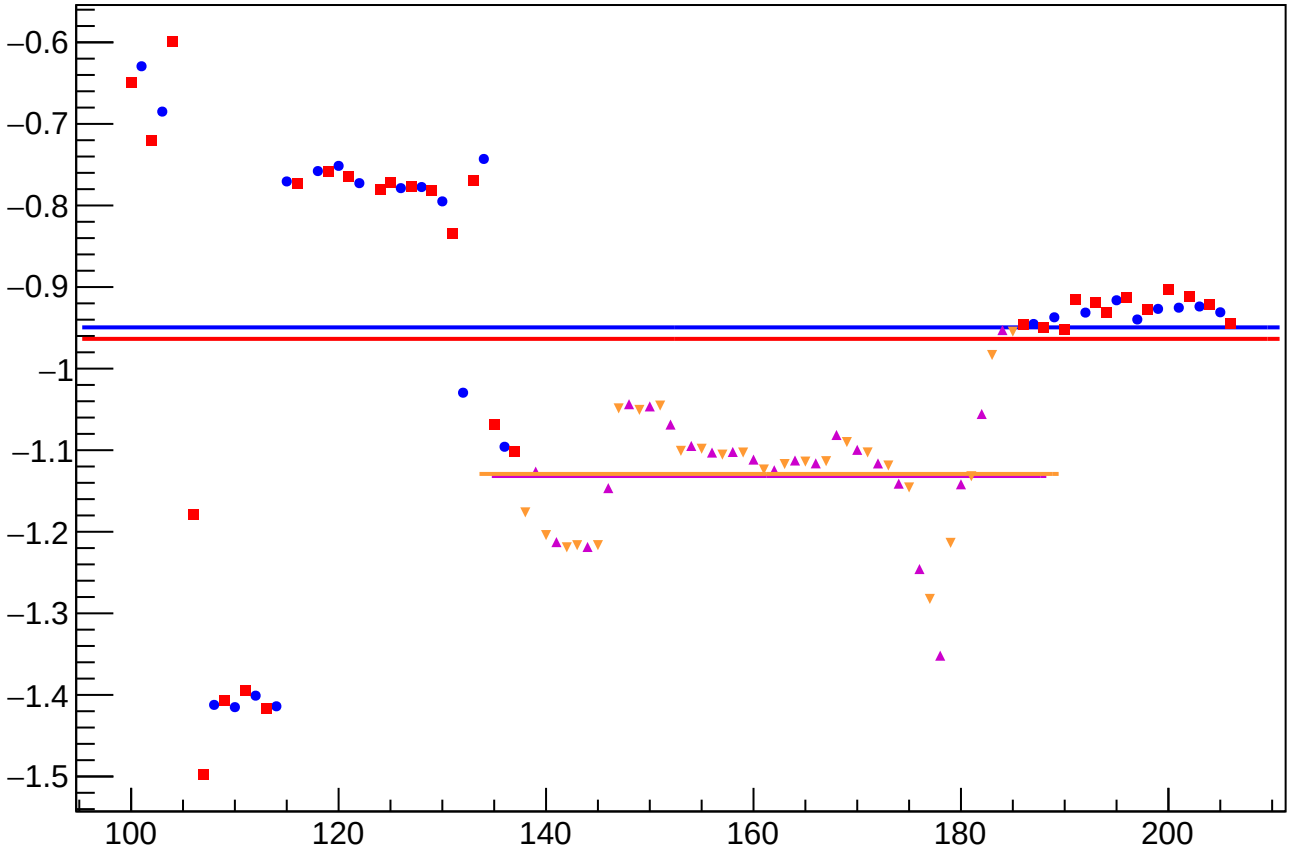
Left In: 0.011+/-0.000 χ^2/NDF:512130.1/22

+ sign 0.011+/-0.000 χ^2/NDF: 2779274.6/49

All: 0.012+/-0.000 χ^2/NDF: 5949137.6/103

- sign 0.012+/-0.000 χ^2/NDF: 3151823.1/53

yield_bpm4acX_mean vs Slug



Right In: -0.949+/-0.000 χ^2/NDF: 700238692.4/24

Left Out: -1.129+/-0.000 χ^2/NDF:238152679.4/24

Right Out: -0.964+/-0.000 χ^2/NDF: 717967953.8/30

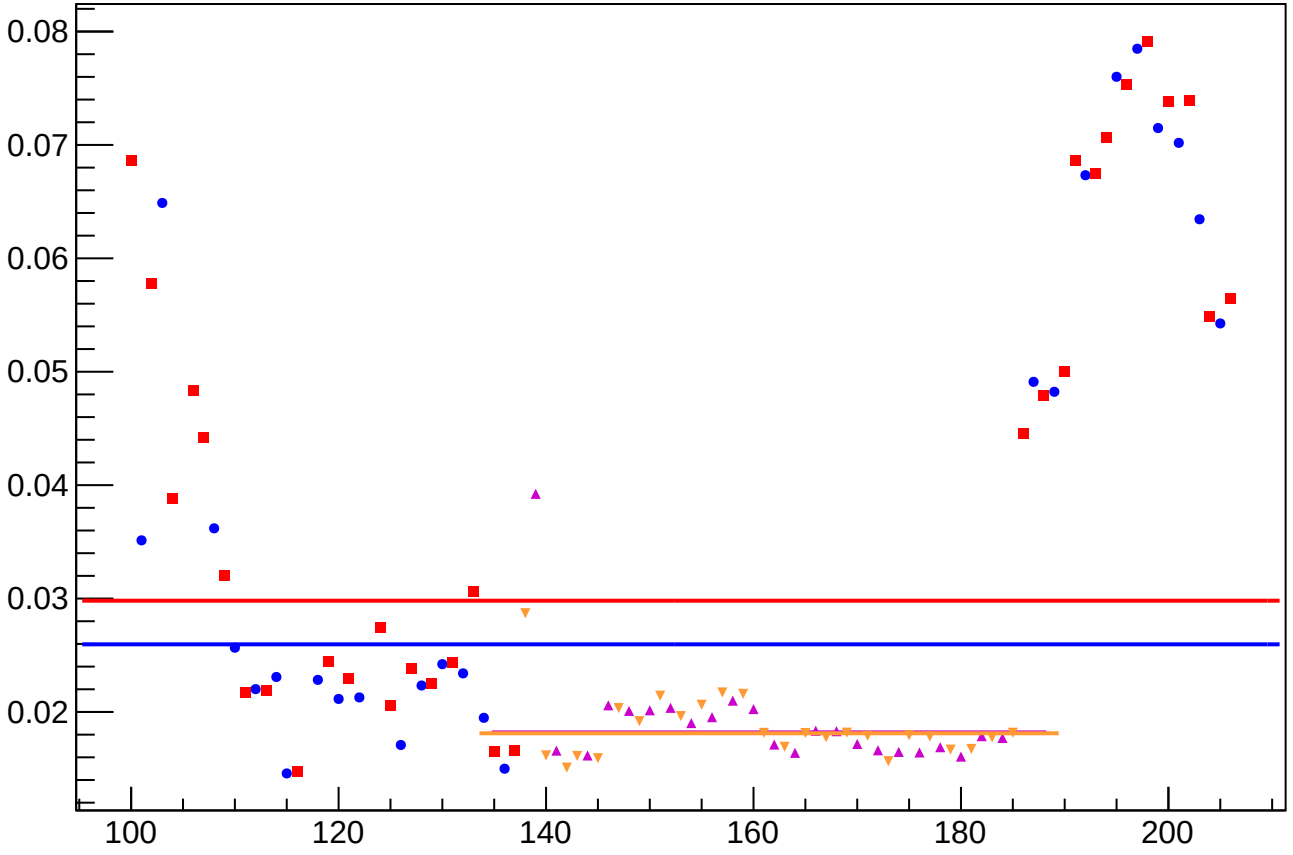
Left In: -1.132+/-0.000 χ^2/NDF:260075820.5/22

+ sign -1.089+/-0.000 χ^2/NDF: 1282558052.2/49

All: -1.091+/-0.000 χ^2/NDF: 2540944336.7/1

- sign -1.094+/-0.000 χ^2/NDF: 1257540318.1/53

yield_bpm4acX_rms vs Slug



Right In: 0.026+/-0.000 χ^2/NDF: 6627040.2/24

Left Out: 0.018+/-0.000 χ^2/NDF:474004.4/24

Right Out: 0.030+/-0.000 χ^2/NDF: 7157763.7/30

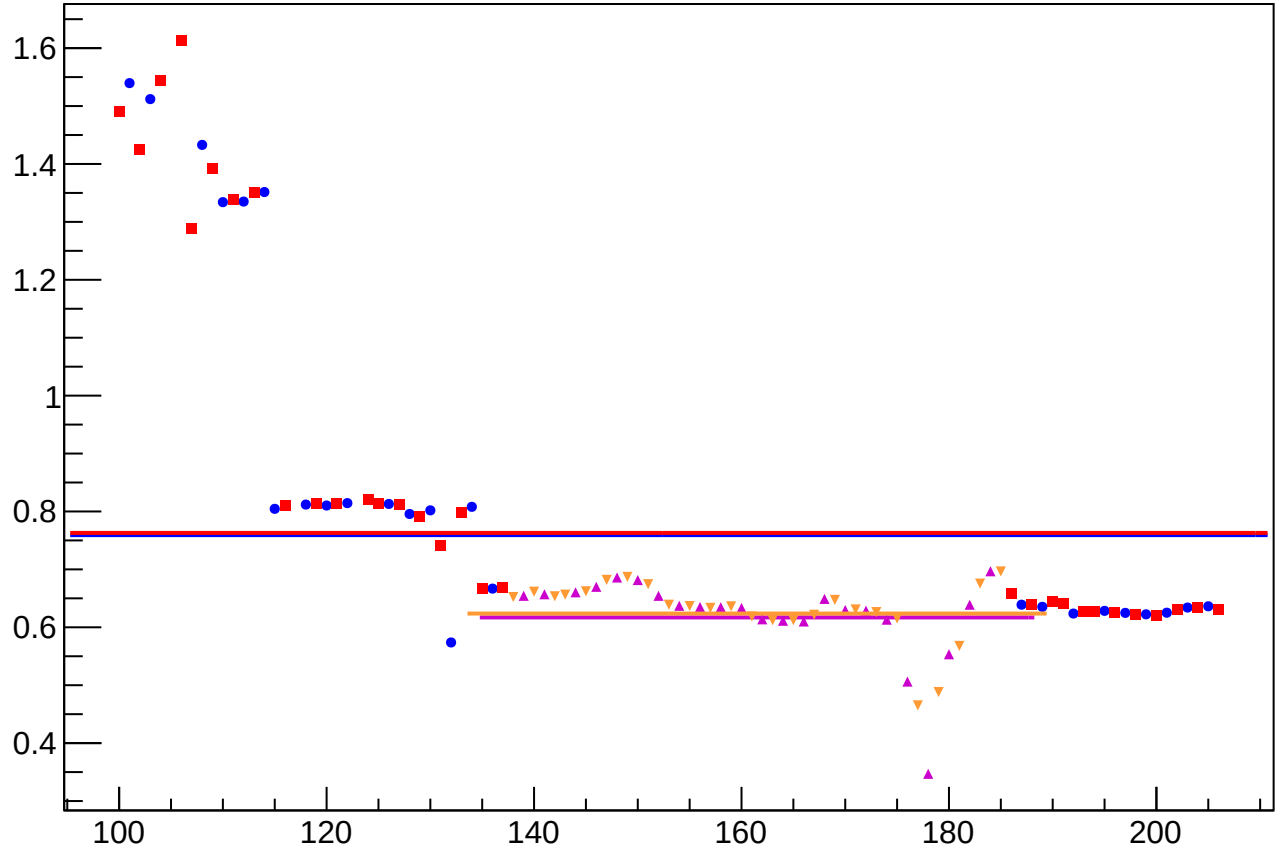
Left In: 0.018+/-0.000 χ^2/NDF:723957.3/22

+ sign 0.020+/-0.000 χ^2/NDF: 8412988.9/49

All: 0.020+/-0.000 χ^2/NDF: 19009662.4/103

- sign 0.021+/-0.000 χ^2/NDF: 10547629.9/53

yield_bpm4acY_mean vs Slug



Right In: 0.759+/-0.000 χ^2/NDF: 3748636364.6/24

Left Out: 0.624+/-0.000 χ^2/NDF:400613435.2/24

Right Out: 0.763+/-0.000 χ^2/NDF: 4177730294.9/30

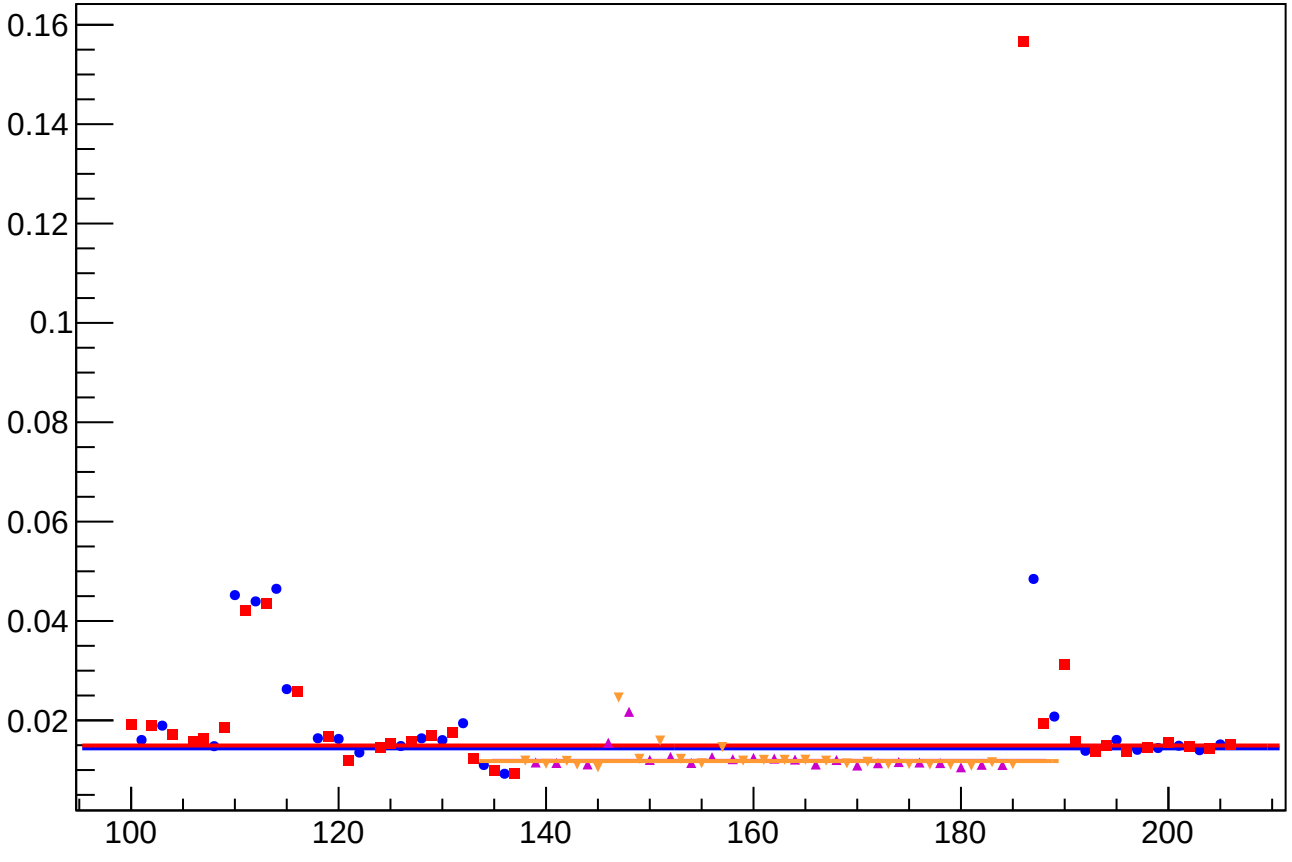
Left In: 0.617+/-0.000 χ^2/NDF:646297442.3/22

+ sign 0.666+/-0.000 χ^2/NDF: 4903313484.7/49

All: 0.666+/-0.000 χ^2/NDF: 10630936330.2/1

- sign 0.667+/-0.000 χ^2/NDF: 5727555801.9/53

yield_bpm4acY_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 1952604.0/24

Left Out: 0.012+/-0.000 χ^2/NDF:673680.7/24

Right Out: 0.015+/-0.000 χ^2/NDF: 2389671.9/30

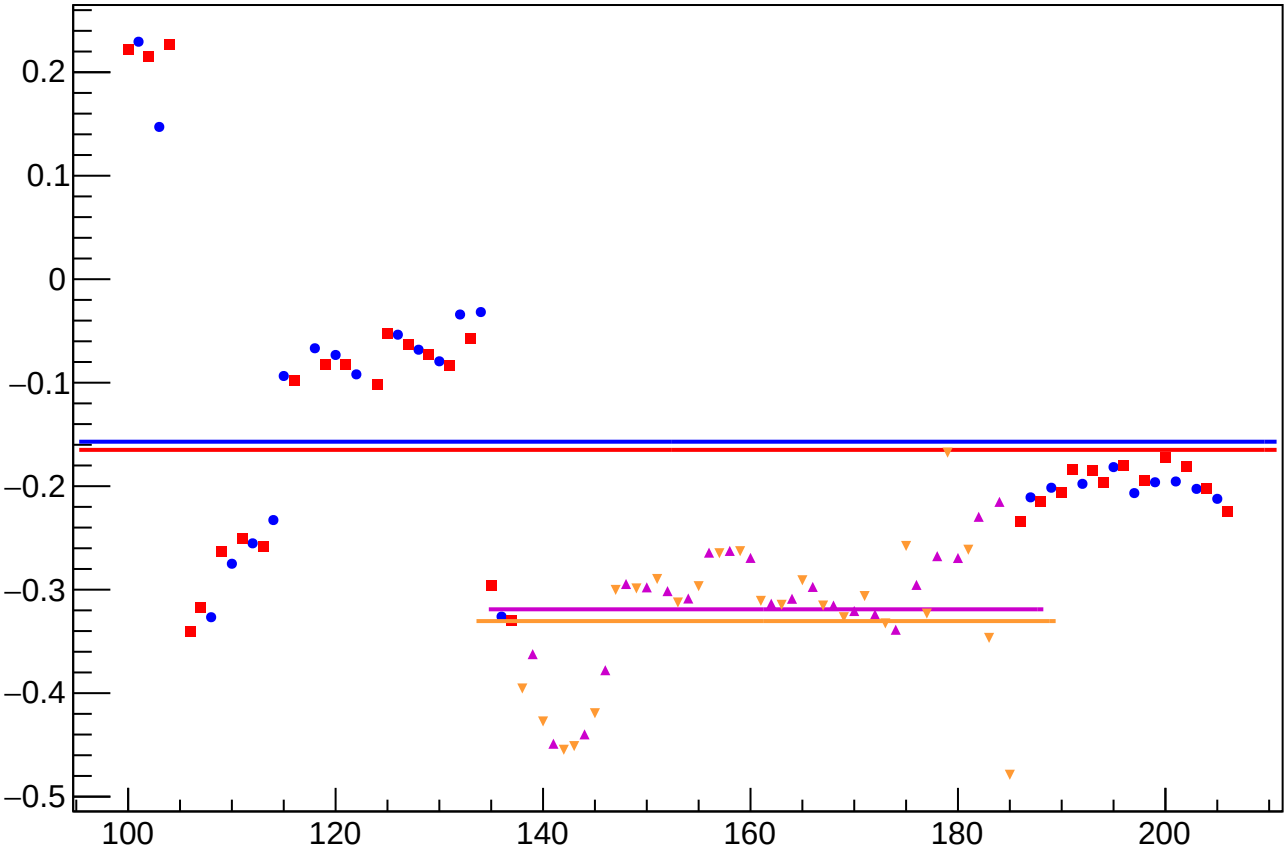
Left In: 0.012+/-0.000 χ^2/NDF:508762.0/22

+ sign 0.013+/-0.000 χ^2/NDF: 3165260.0/49

All: 0.013+/-0.000 χ^2/NDF: 6893577.4/103

- sign 0.013+/-0.000 χ^2/NDF: 3711764.3/53

yield_bpm4ecX_mean vs Slug



Right In: -0.157+/-0.000 χ^2/NDF: 277726544.9/24

Left Out: -0.330+/-0.000 χ^2/NDF:182729419.2/24

Right Out: -0.165+/-0.000 χ^2/NDF: 199948252.4/30

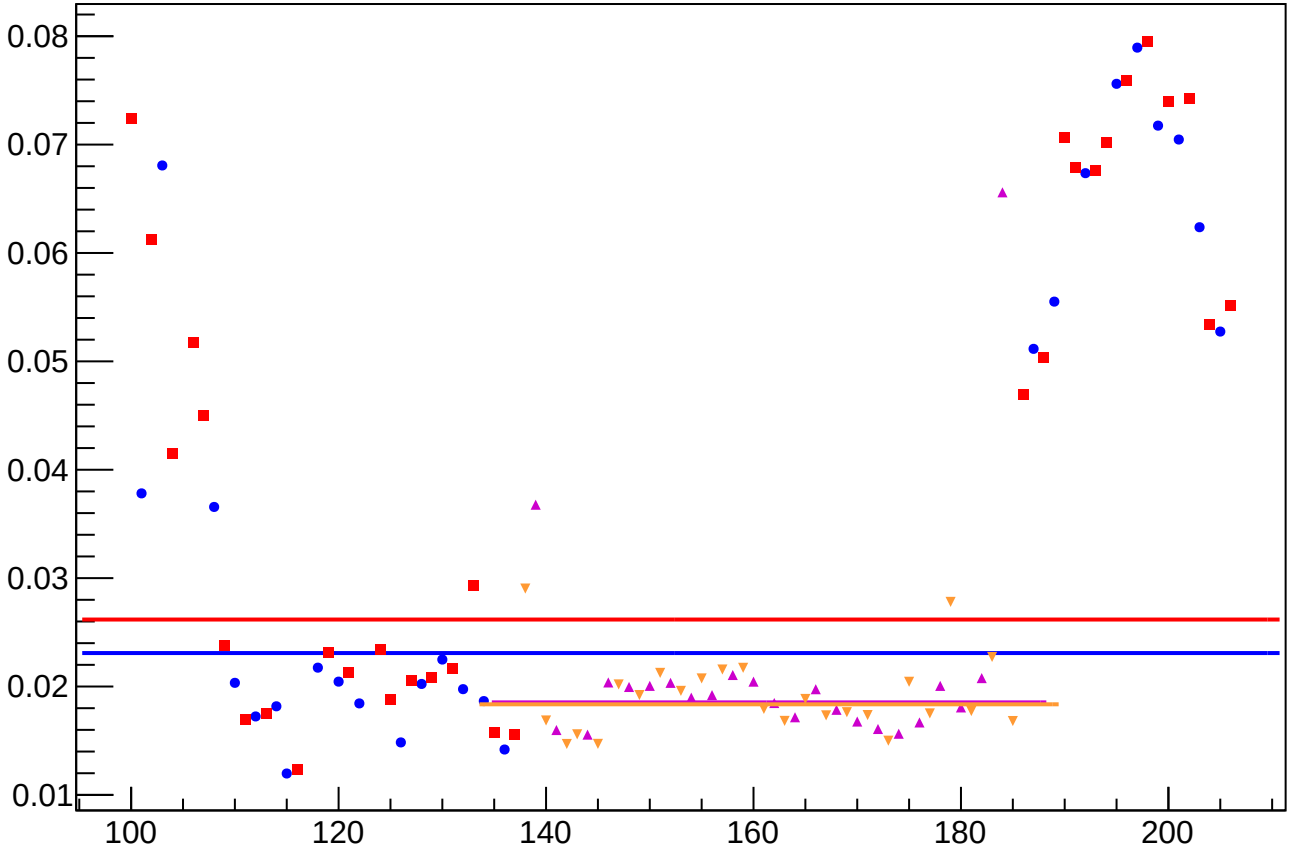
Left In: -0.319+/-0.000 χ^2/NDF:130589173.8/22

+ sign -0.284+/-0.000 χ^2/NDF: 825593702.0/49

All: -0.281+/-0.000 χ^2/NDF: 1426261861.3/1

- sign -0.278+/-0.000 χ^2/NDF: 599432156.5/53

yield_bpm4ecX_rms vs Slug



Right In: 0.023+/-0.000 χ^2/NDF: 7535919.8/24

Left Out: 0.018+/-0.000 χ^2/NDF:737503.8/24

Right Out: 0.026+/-0.000 χ^2/NDF: 8613011.4/30

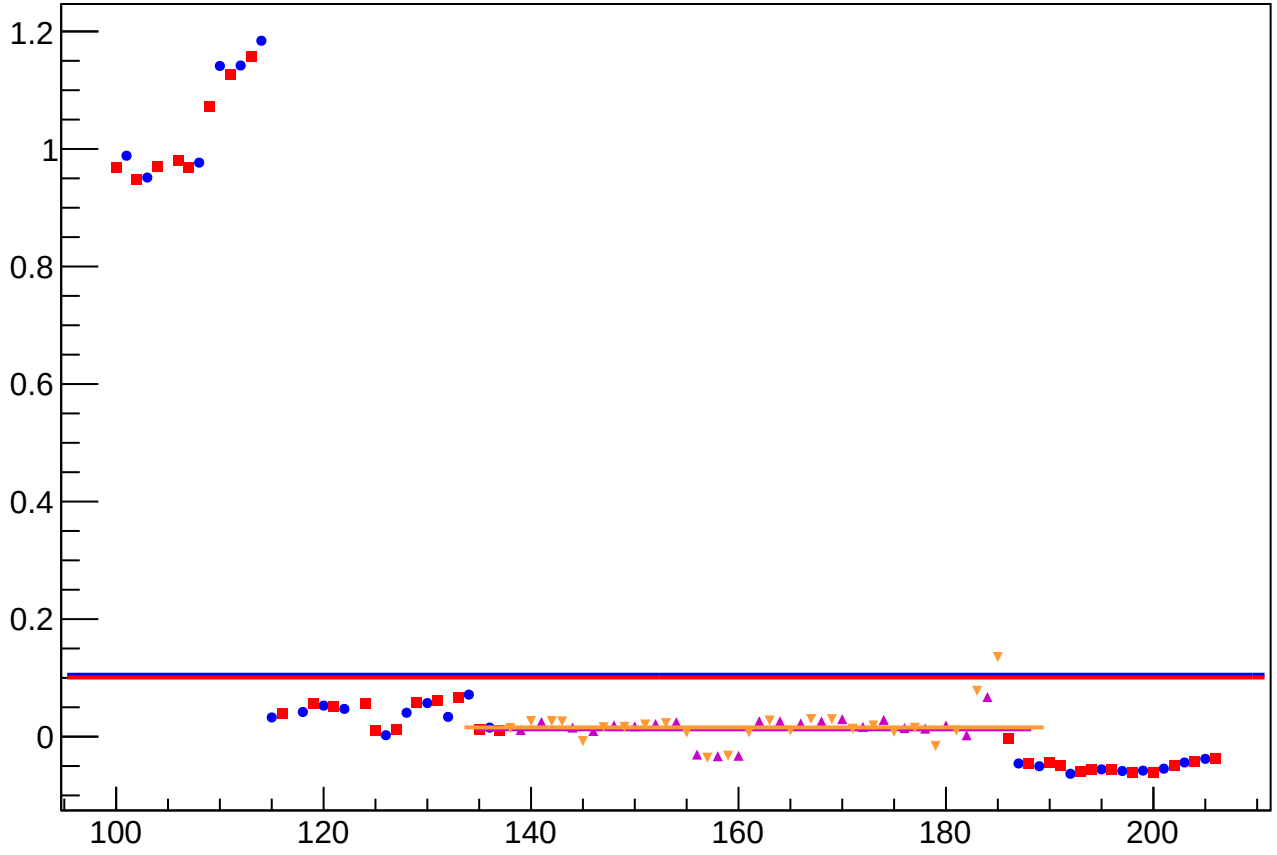
Left In: 0.019+/-0.000 χ^2/NDF:933807.9/22

+ sign 0.020+/-0.000 χ^2/NDF: 8816864.4/49

All: 0.020+/-0.000 χ^2/NDF: 19742840.5/103

- sign 0.021+/-0.000 χ^2/NDF: 10870455.1/53

yield_bpm4ecY_mean vs Slug



Right In: 0.105+/-0.000 χ^2/NDF: 8213940353.5/24

Left Out: 0.016+/-0.000 χ^2/NDF:104485335.8/24

Right Out: 0.101+/-0.000 χ^2/NDF: 9107017066.7/30

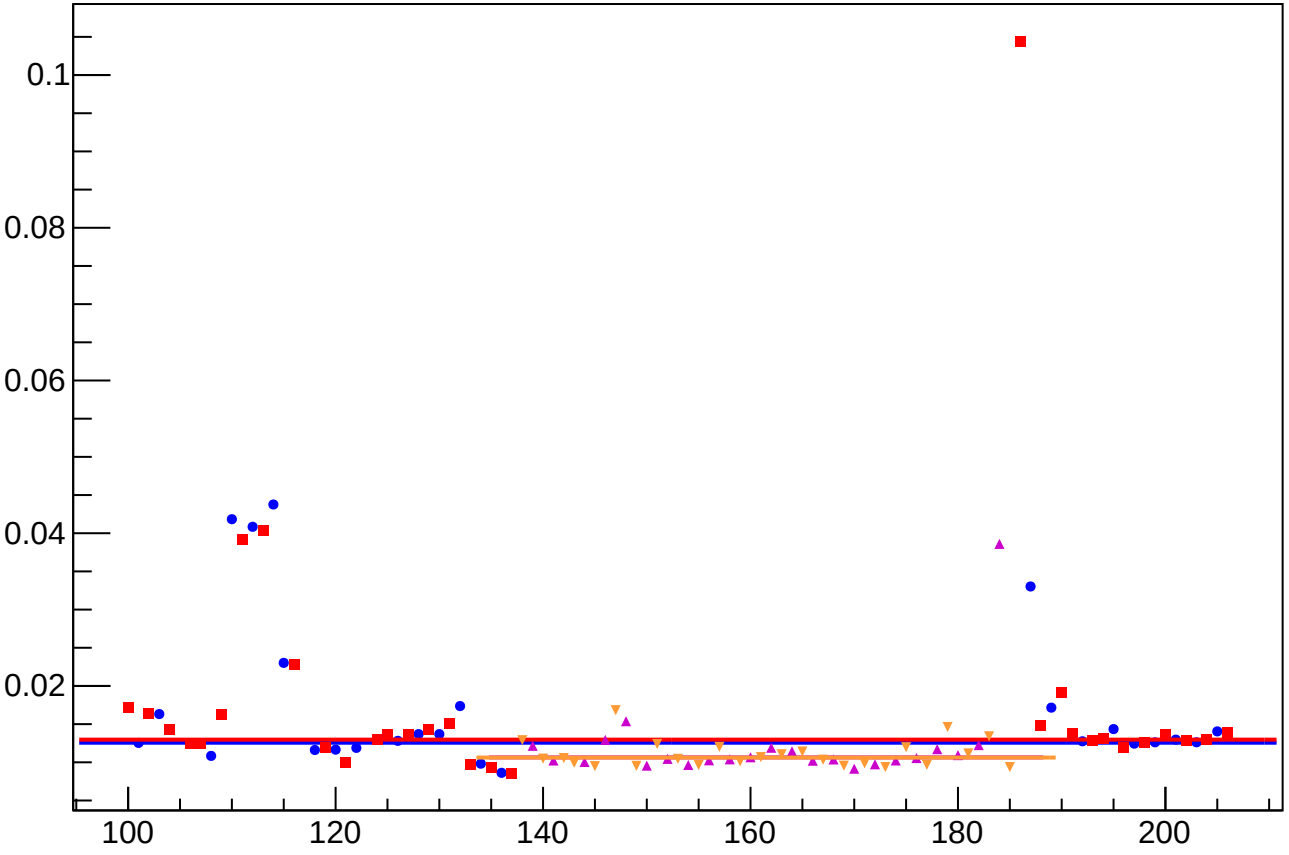
Left In: 0.012+/-0.000 χ^2/NDF:58674739.1/22

+ sign 0.045+/-0.000 χ^2/NDF: 8739417043.0/49

All: 0.045+/-0.000 χ^2/NDF: 18328897616.2/1

- sign 0.044+/-0.000 χ^2/NDF: 9589371050.5/53

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1751412.8/24

Left Out: 0.011+/-0.000 χ^2/NDF:622208.3/24

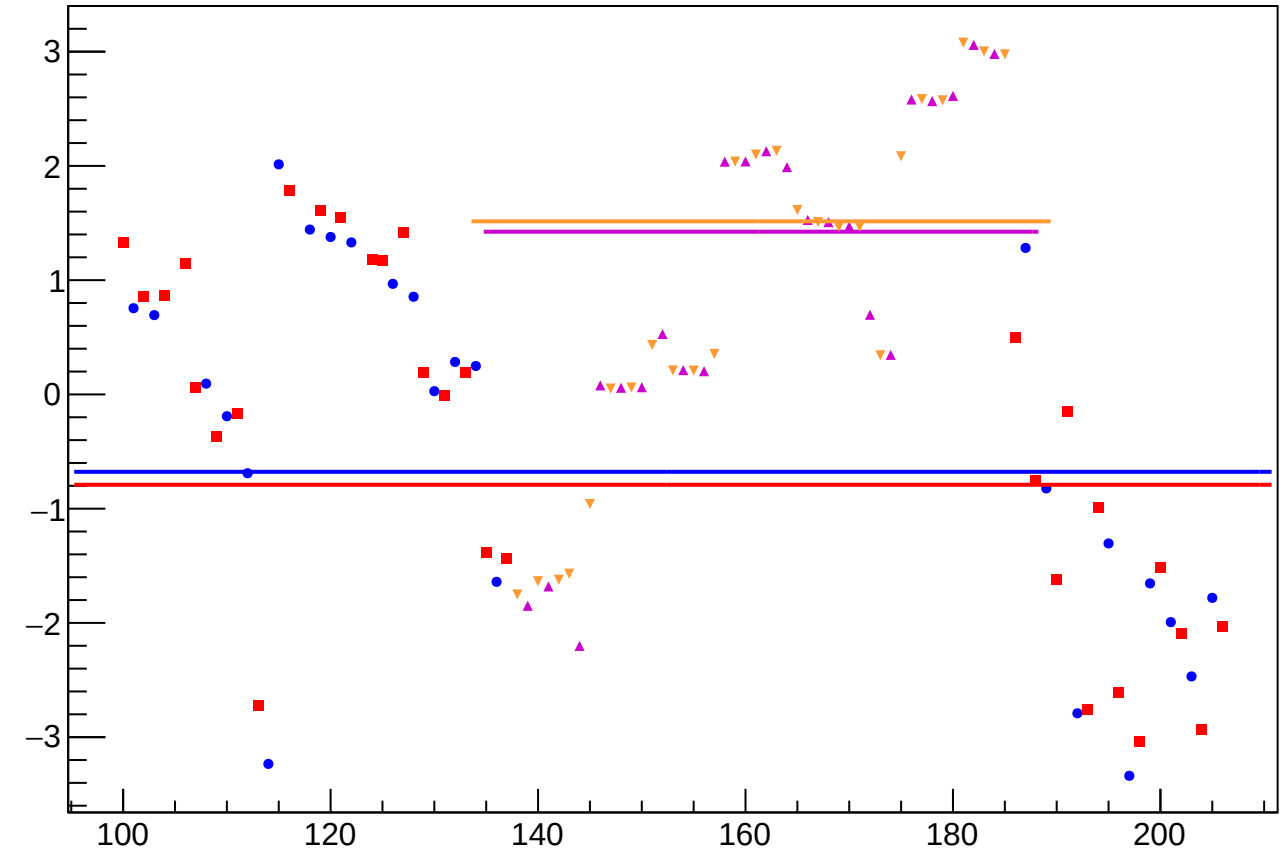
Right Out: 0.013+/-0.000 χ^2/NDF: 2120044.5/30

Left In: 0.011+/-0.000 χ^2/NDF:571950.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 2770068.7/49

All: 0.011+/-0.000 χ^2/NDF: 6062960.0/103

- sign 0.011+/-0.000 χ^2/NDF: 3281593.7/53



Right In: -0.677+/-0.000 χ^2/NDF: 7583350012.6/24

Left Out: 1.515+/-0.000 χ^2/NDF:67789388512.2/24

Right Out: -0.791+/-0.000 χ^2/NDF: 8918862604.4/30

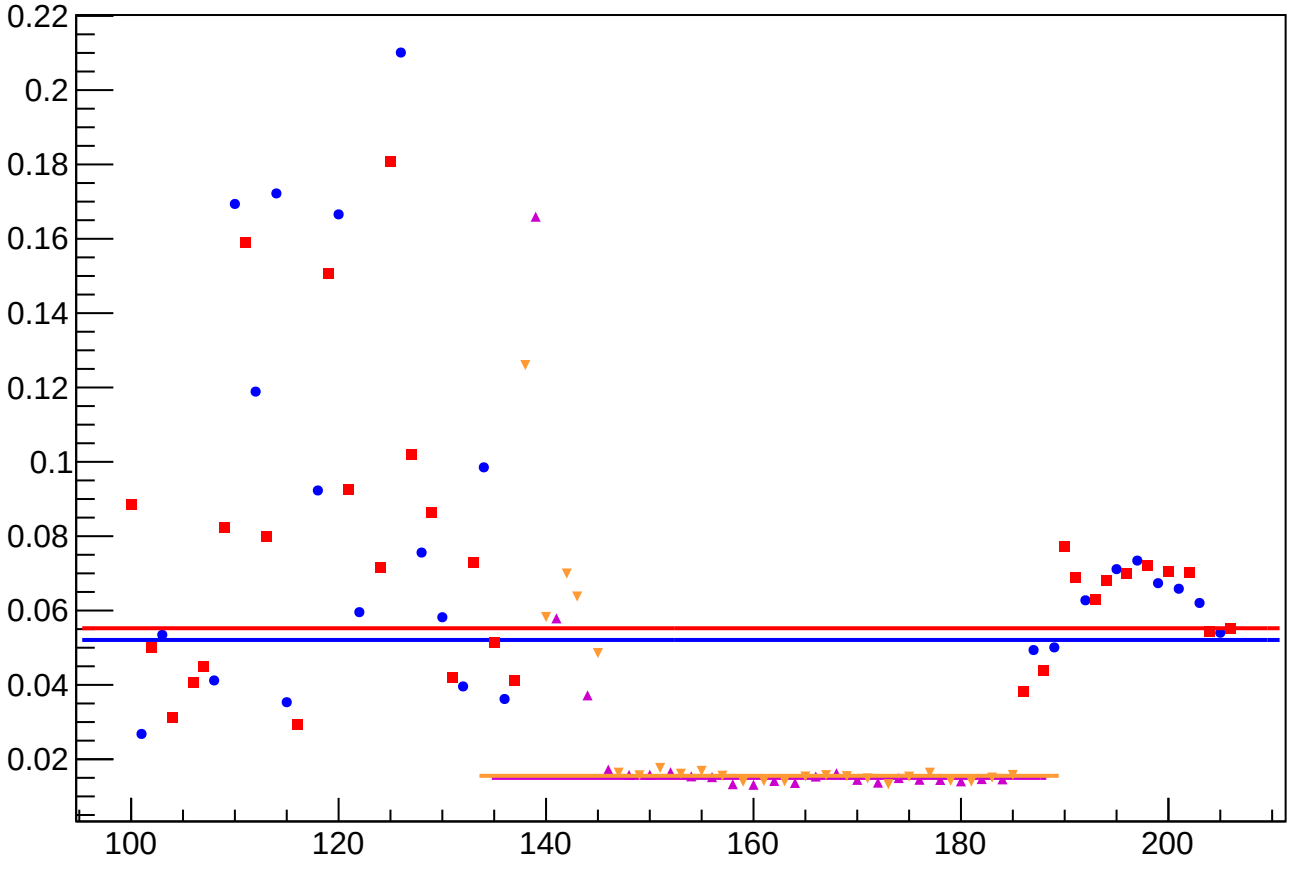
Left In: 1.424+/-0.000 χ^2/NDF:68046262594.0/22

+ sign 1.391+/-0.000 χ^2/NDF: 91843641871.8/49

All: 1.339+/-0.000 χ^2/NDF: 187910785828.3

- sign 1.288+/-0.000 χ^2/NDF: 95718216737.2/53

yield_bpm1X_rms vs Slug



Right In: 0.052+/-0.000 χ^2/NDF: 3553094.1/24

Left Out: 0.016+/-0.000 χ^2/NDF:2984313.0/24

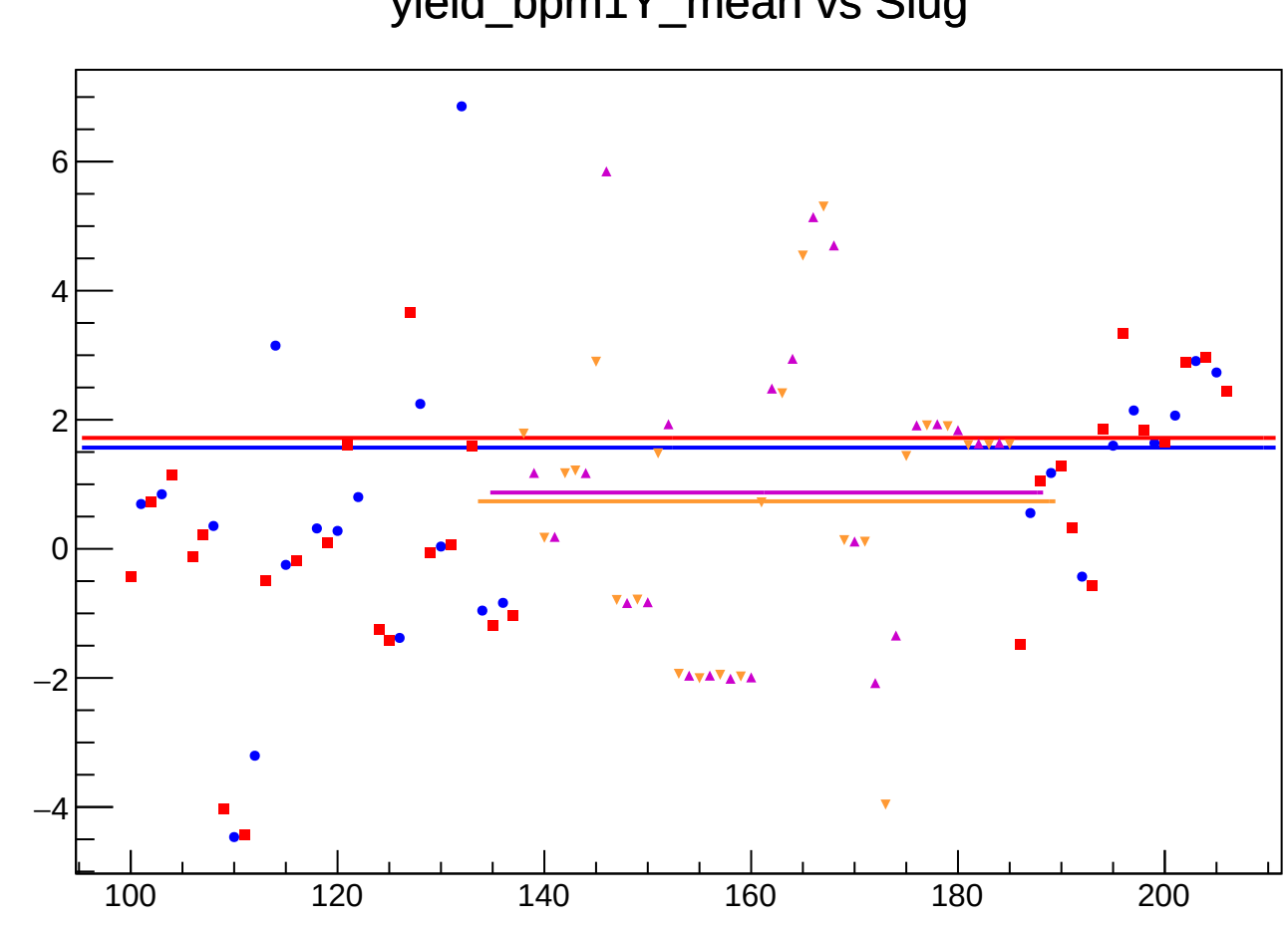
Right Out: 0.055+/-0.000 χ^2/NDF: 3141385.1/30

Left In: 0.015+/-0.000 χ^2/NDF:2182916.7/22

+ sign 0.018+/-0.000 χ^2/NDF: 15687657.2/49

All: 0.018+/-0.000 χ^2/NDF: 33407605.1/103

- sign 0.017+/-0.000 χ^2/NDF: 17718327.0/53



Right In: 1.569+/-0.000 χ^2/NDF: 32114776628.7/24

Left Out: 0.737+/-0.000 χ^2/NDF:535962480112.3/24

Right Out: 1.719+/-0.000 χ^2/NDF: 37533112033.2/30

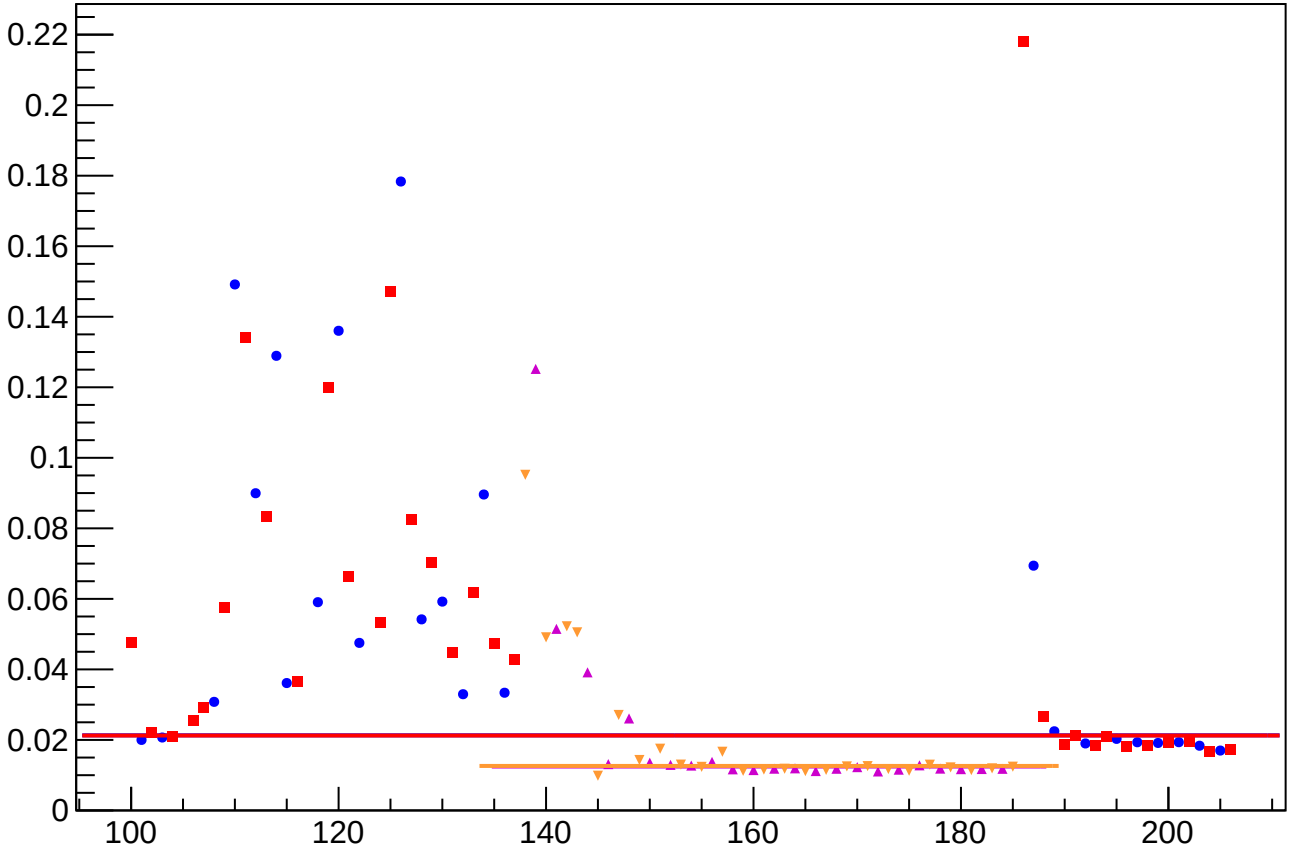
Left In: 0.872+/-0.000 χ^2/NDF:620161319368.2/22

+ sign 0.876+/-0.000 χ^2/NDF: 579631245673.7/49

All: 0.959+/-0.000 χ^2/NDF: 1252858236070.

- sign 1.039+/-0.000 χ^2/NDF: 671632539759.0/53

yield_bpm1Y_rms vs Slug



Right In: 0.021+/-0.000 χ^2/NDF: 4139941.7/24

Left Out: 0.013+/-0.000 χ^2/NDF:3191407.4/24

Right Out: 0.021+/-0.000 χ^2/NDF: 5324260.9/30

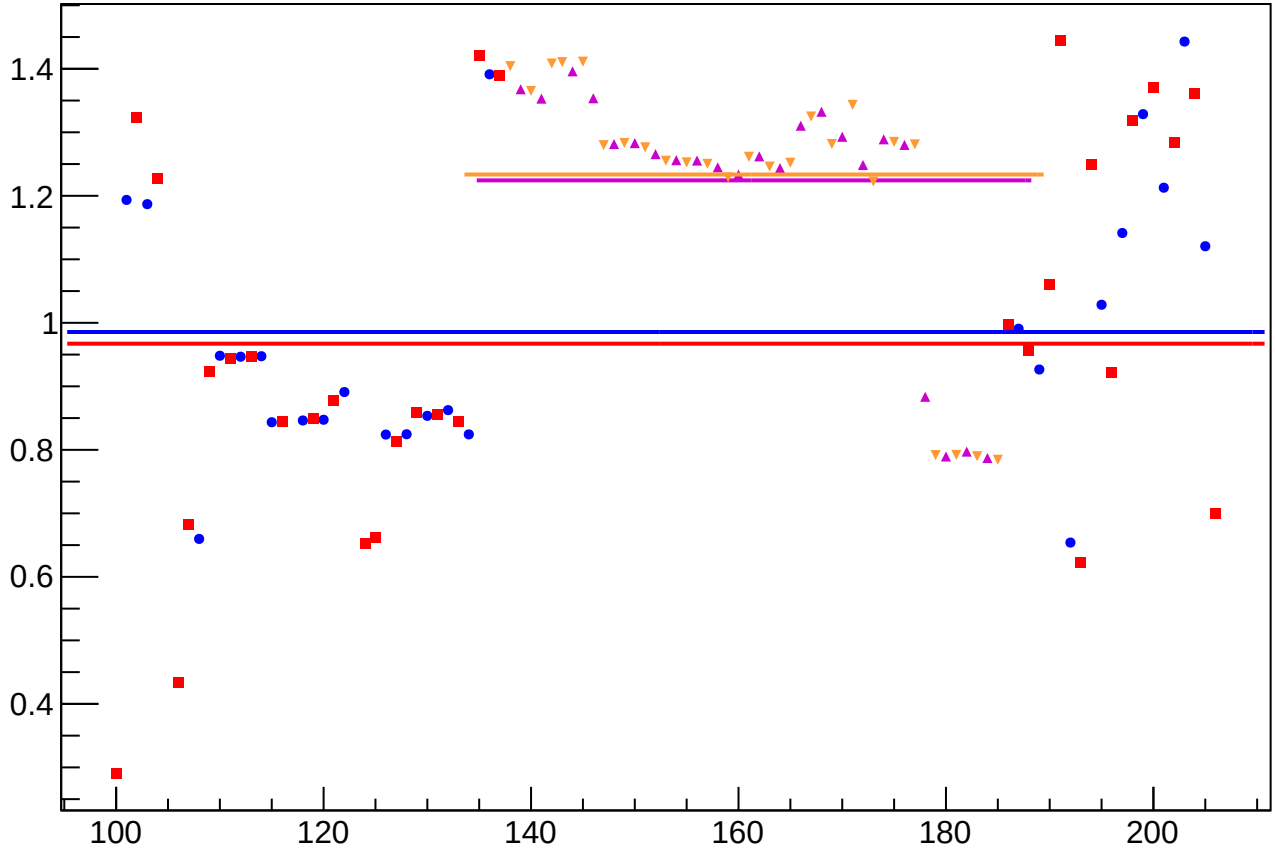
Left In: 0.012+/-0.000 χ^2/NDF:2756702.2/22

+ sign 0.014+/-0.000 χ^2/NDF: 9846892.8/49

All: 0.014+/-0.000 χ^2/NDF: 20937009.8/103

- sign 0.014+/-0.000 χ^2/NDF: 11088890.6/53

yield_bpm11X_mean vs Slug



Right In: 0.986+/-0.000 χ^2/NDF: 1861570441.6/24

Left Out: 1.234+/-0.000 χ^2/NDF:3043934887.1/24

Right Out: 0.967+/-0.000 χ^2/NDF: 2325606278.0/30

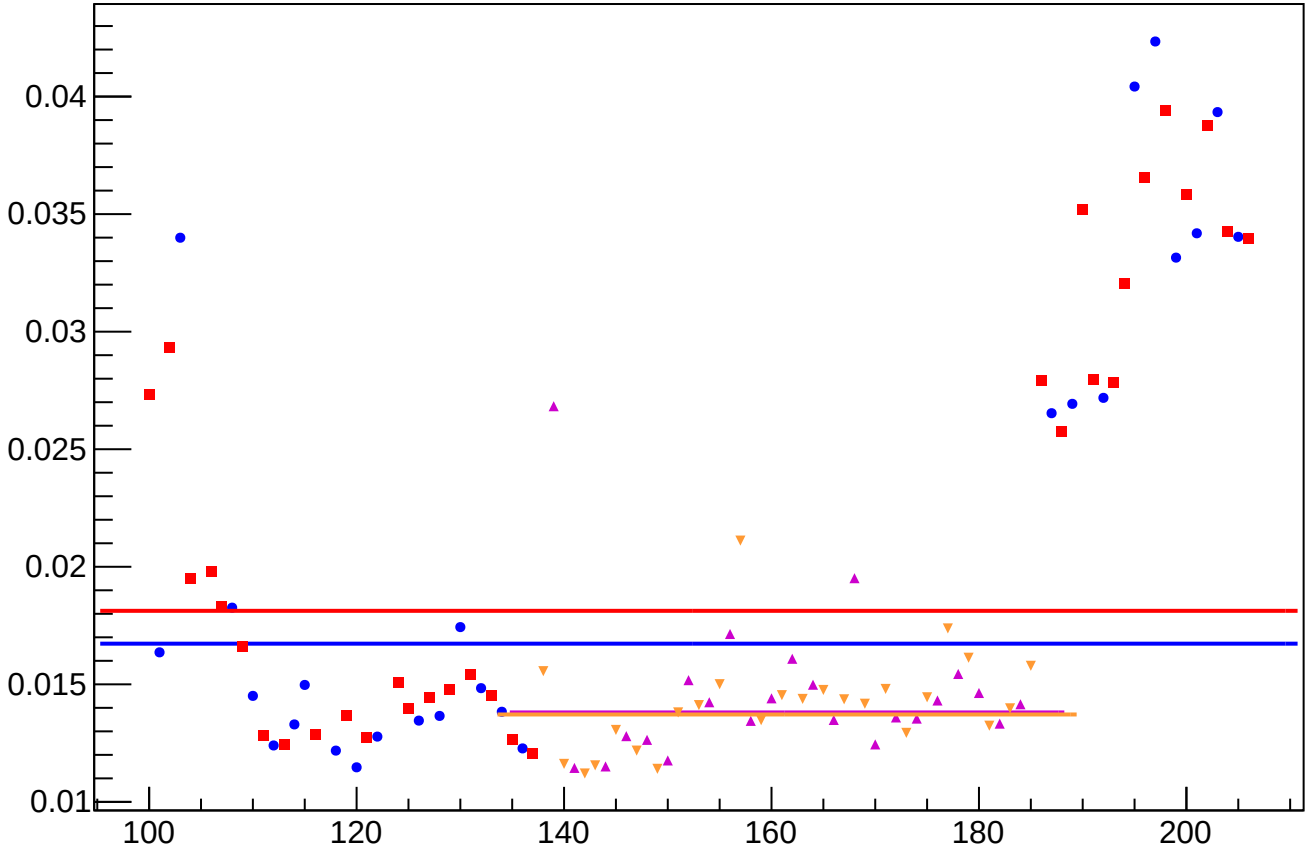
Left In: 1.224+/-0.000 χ^2/NDF:2653773297.1/22

+ sign 1.160+/-0.000 χ^2/NDF: 6553201835.0/49

All: 1.152+/-0.000 χ^2/NDF: 13301267954.3/1

- sign 1.144+/-0.000 χ^2/NDF: 6732856694.5/53

yield_bpm11X_rms vs Slug



Right In: 0.017+/-0.000 χ^2/NDF: 4456329.6/24

Left Out: 0.014+/-0.000 χ^2/NDF:550789.3/24

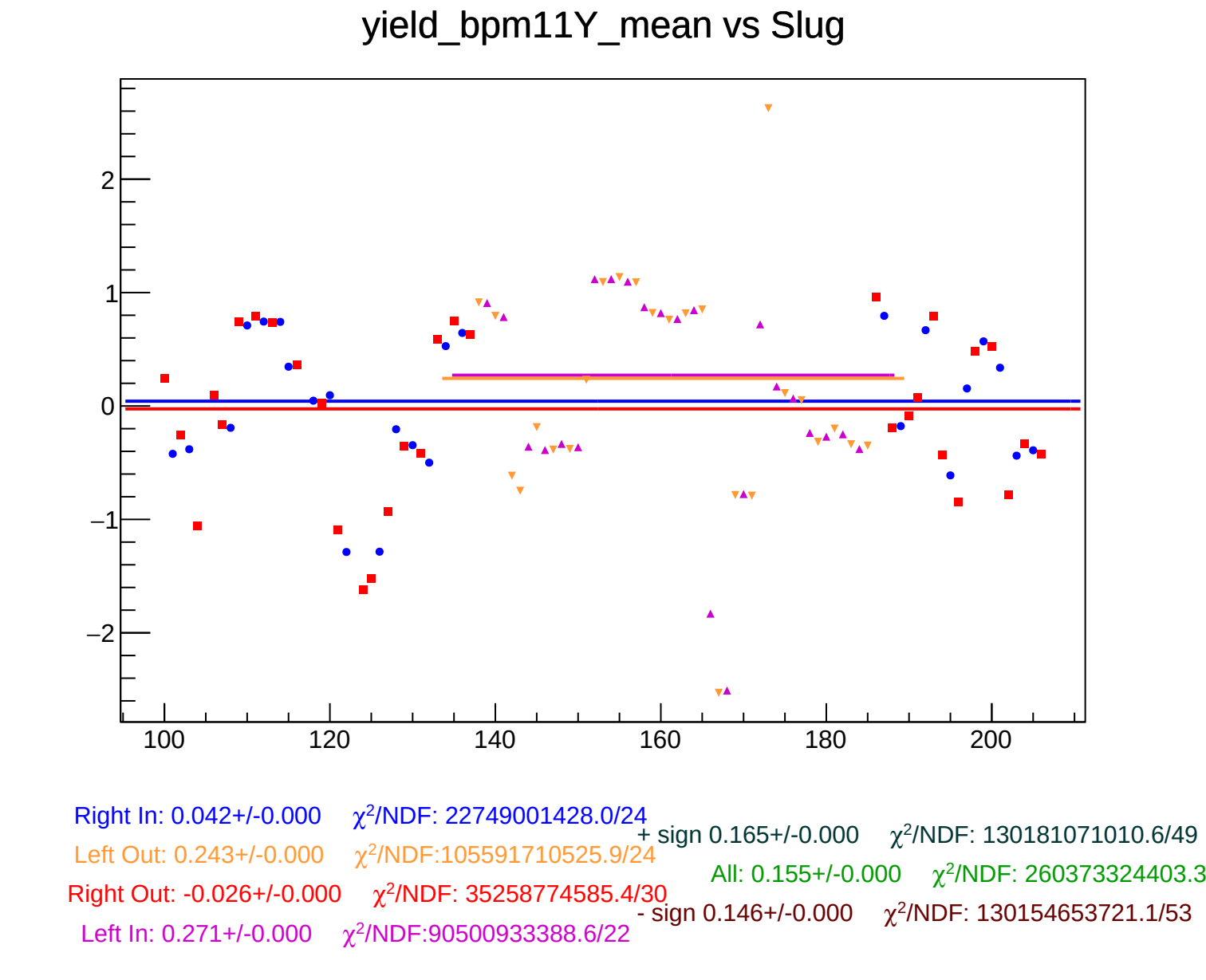
Right Out: 0.018+/-0.000 χ^2/NDF: 4767913.3/30

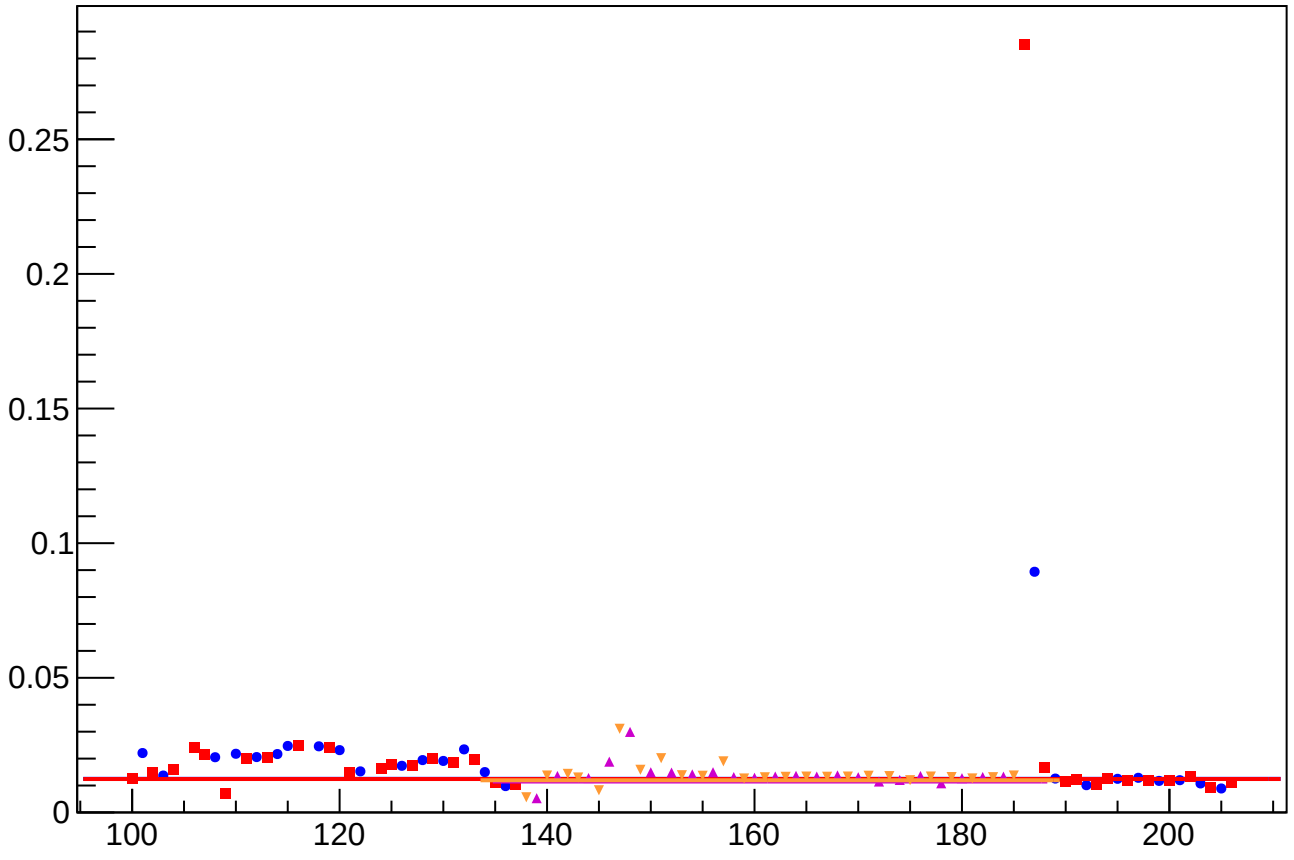
Left In: 0.014+/-0.000 χ^2/NDF:870104.2/22

+ sign 0.015+/-0.000 χ^2/NDF: 5493280.1/49

All: 0.015+/-0.000 χ^2/NDF: 12158269.8/103

- sign 0.015+/-0.000 χ^2/NDF: 6628731.9/53


yield_bpm11Y_mean vs Slug
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.042+/-0.000 χ²/NDF: 22749001428.0/24
Left Out: 0.243+/-0.000 χ²/NDF:105591710525.9/24
Right Out: -0.026+/-0.000 χ²/NDF: 35258774585.4/30
Left In: 0.271+/-0.000 χ²/NDF:90500933388.6/22
+ sign 0.165+/-0.000 χ²/NDF: 130181071010.6/49
All: 0.155+/-0.000 χ²/NDF: 260373324403.3
- sign 0.146+/-0.000 χ²/NDF: 130154653721.1/53



Right In: 0.012+/-0.000 χ^2/NDF: 2422000.1/24

Left Out: 0.012+/-0.000 χ^2/NDF:3266034.8/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2884640.0/30

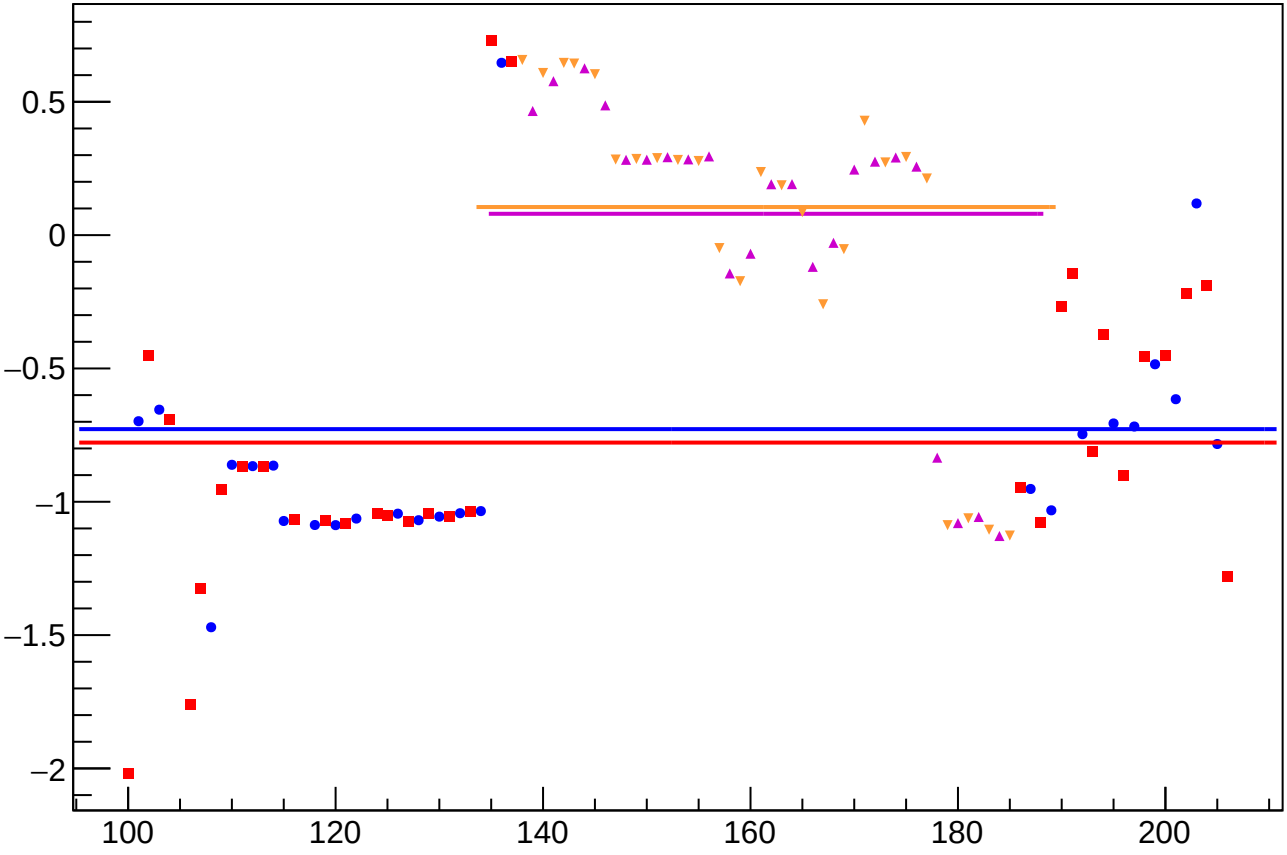
Left In: 0.011+/-0.000 χ^2/NDF:3671096.5/22

+ sign 0.012+/-0.000 χ^2/NDF: 5714143.0/49

All: 0.012+/-0.000 χ^2/NDF: 12370743.2/103

- sign 0.012+/-0.000 χ^2/NDF: 6641447.0/53

yield_bpm12X_mean vs Slug



Right In: -0.728+/-0.000 χ^2/NDF: 2162474262.1/24

Left Out: 0.105+/-0.000 χ^2/NDF:3787188881.7/24

Right Out: -0.778+/-0.000 χ^2/NDF: 2104951806.6/30

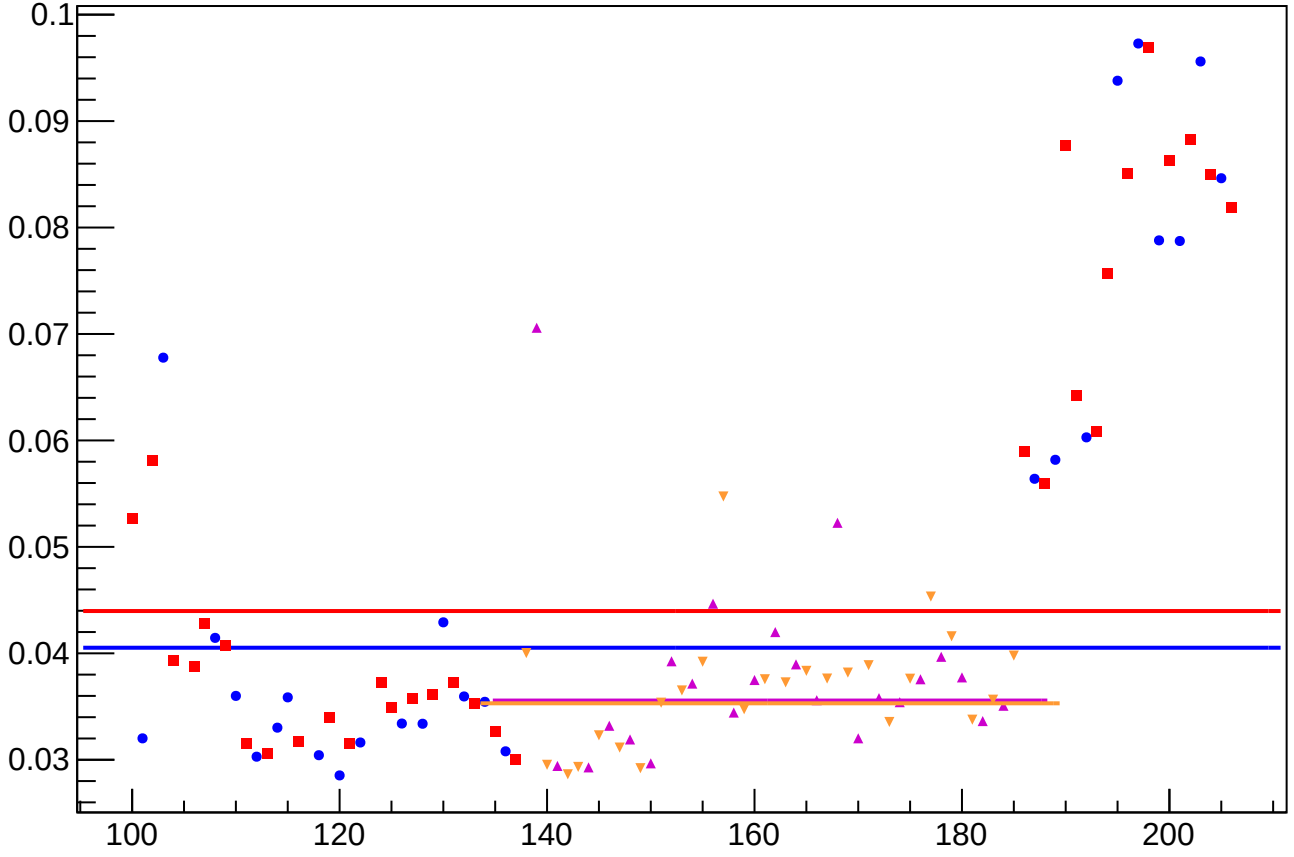
Left In: 0.080+/-0.000 χ^2/NDF:3269598614.0/22

+ sign -0.170+/-0.000 χ^2/NDF: 9041282923.1/49

All: -0.192+/-0.000 χ^2/NDF: 17664852337.5/

- sign -0.216+/-0.000 χ^2/NDF: 8602645920.4/53

yield_bpm12X_rms vs Slug



Right In: 0.041+/-0.000 χ^2/NDF: 4049290.0/24

Left Out: 0.035+/-0.000 χ^2/NDF:612627.1/24

Right Out: 0.044+/-0.000 χ^2/NDF: 4248330.1/30

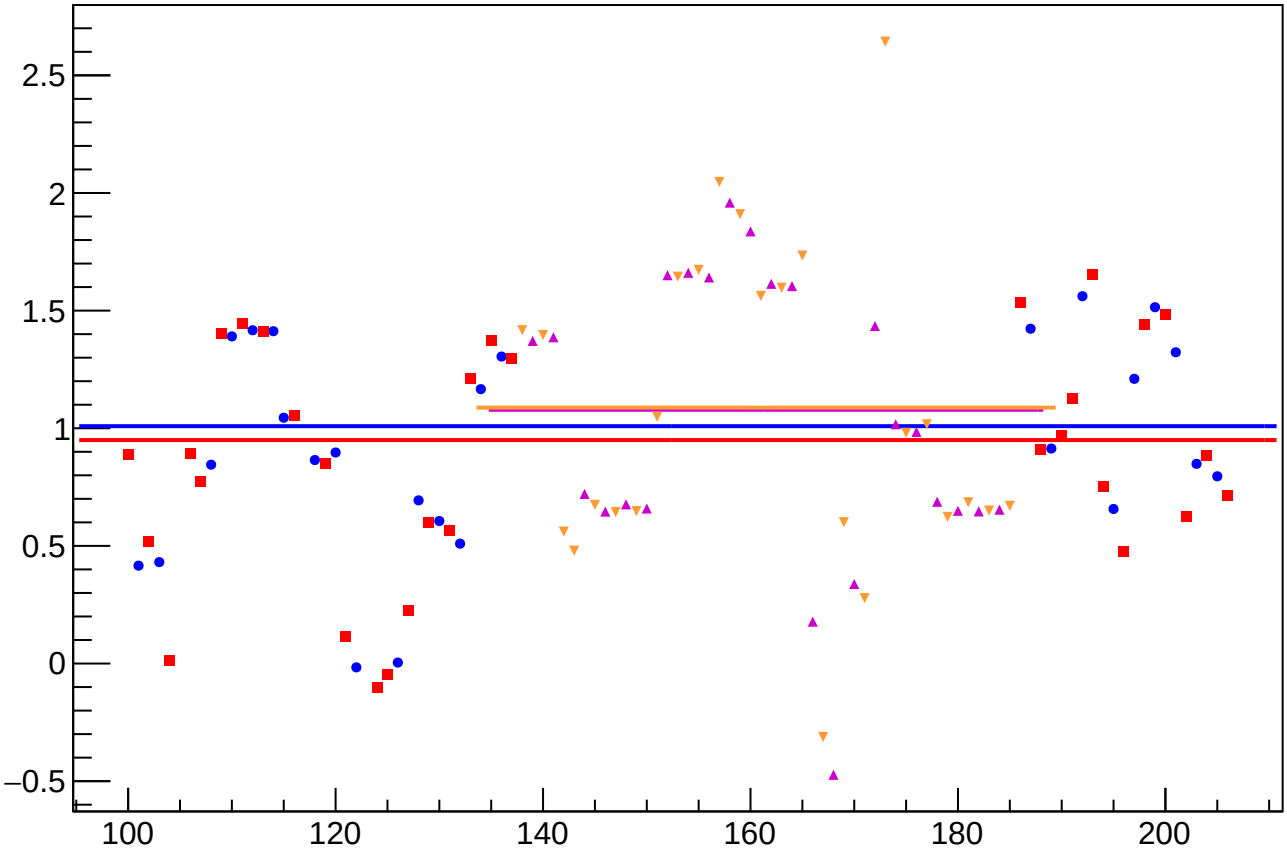
Left In: 0.036+/-0.000 χ^2/NDF:960383.5/22

+ sign 0.037+/-0.000 χ^2/NDF: 4904987.6/49

All: 0.038+/-0.000 χ^2/NDF: 10774584.6/103

- sign 0.038+/-0.000 χ^2/NDF: 5828975.8/53

yield_bpm12Y_mean vs Slug



Right In: 1.009+/-0.000 χ^2/NDF: 27052447685.0/24

Left Out: 1.088+/-0.000 χ^2/NDF:93851056436.3/24

Right Out: 0.950+/-0.000 χ^2/NDF: 36658696227.4/30

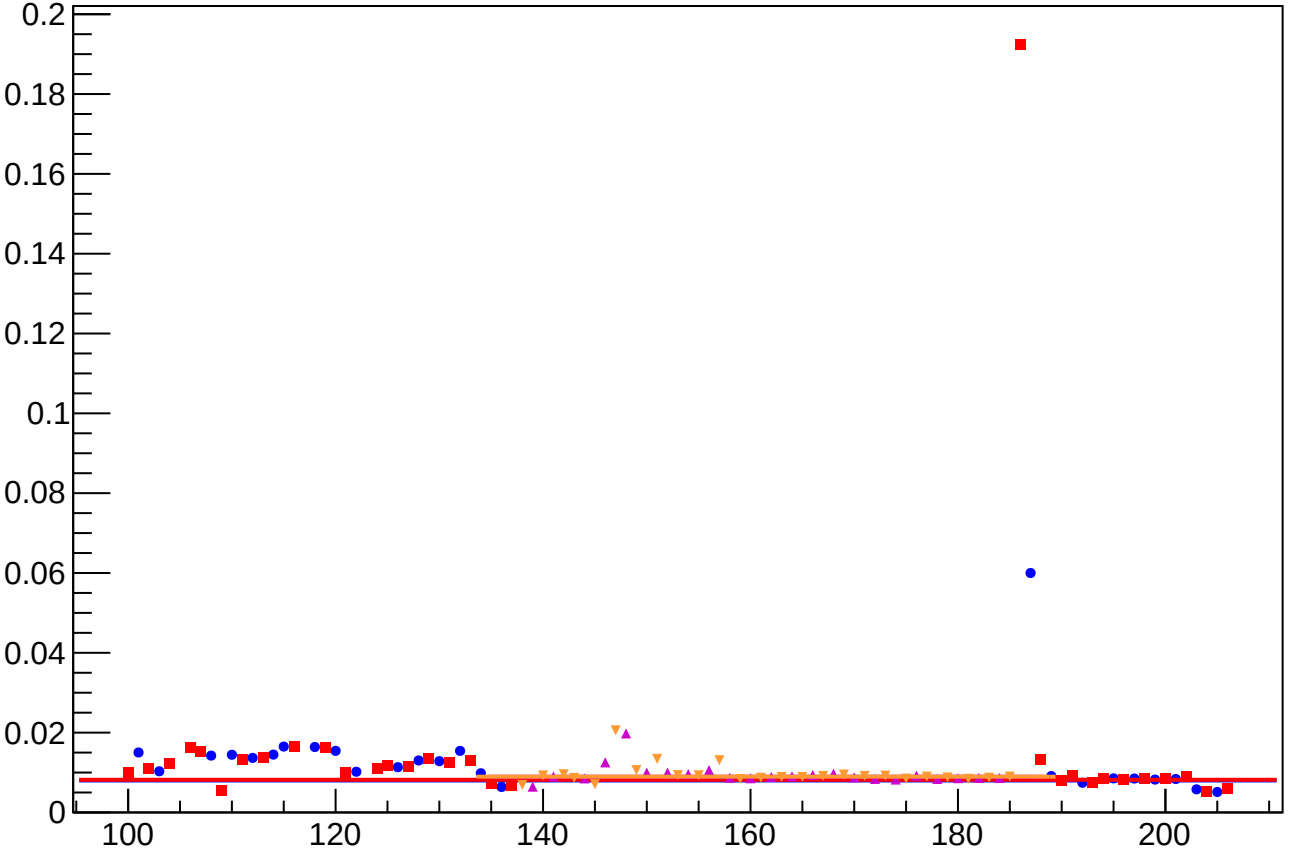
Left In: 1.079+/-0.000 χ^2/NDF:74081002727.0/22

+ sign 1.053+/-0.000 χ^2/NDF: 121522093484.7/49

All: 1.034+/-0.000 χ^2/NDF: 234236696473.9

- sign 1.016+/-0.000 χ^2/NDF: 112444875291.7/53

yield_bpm12Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 3028252.0/24

Left Out: 0.009+/-0.000 χ^2/NDF:1146497.6/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3465877.0/30

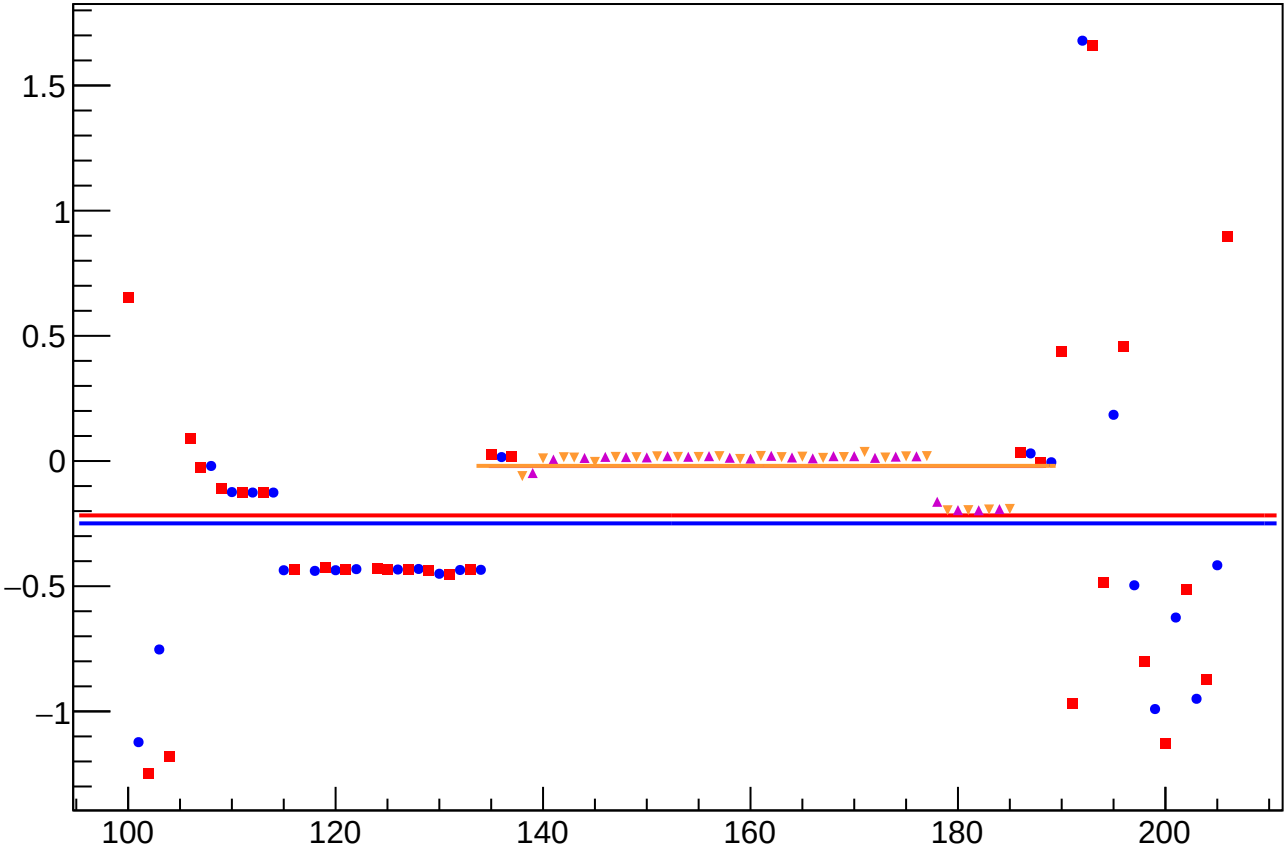
Left In: 0.009+/-0.000 χ^2/NDF:966765.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 4357052.7/49

All: 0.009+/-0.000 χ^2/NDF: 8908405.6/103

- sign 0.009+/-0.000 χ^2/NDF: 4550942.6/53

yield_bpm16X_mean vs Slug



Right In: -0.249+/-0.000 χ^2/NDF: 3307727561.5/24

Left Out: -0.019+/-0.000 χ^2/NDF:1058597672.8/24

Right Out: -0.217+/-0.000 χ^2/NDF: 3539059659.1/30

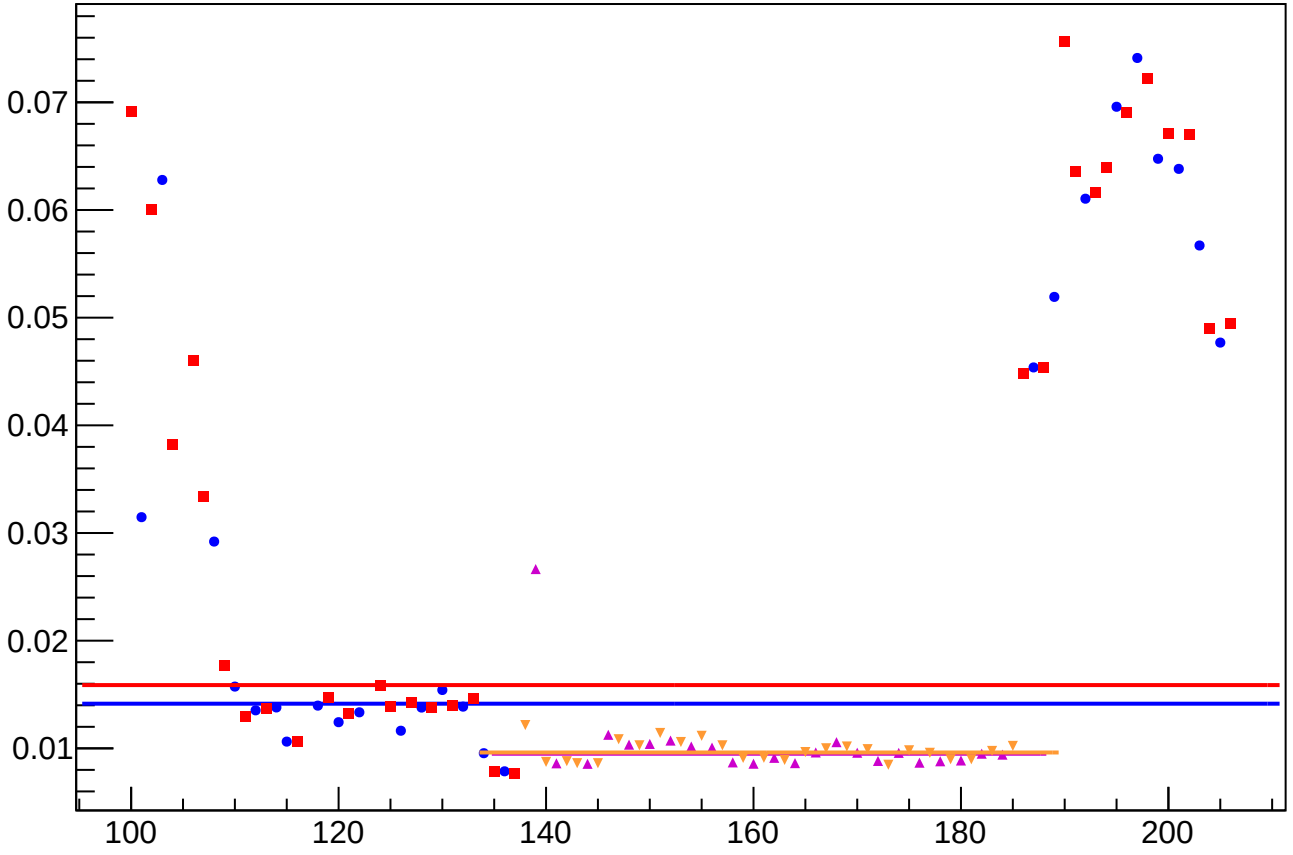
Left In: -0.020+/-0.000 χ^2/NDF:984483299.5/22

+ sign -0.059+/-0.000 χ^2/NDF: 5994924942.7/49

All: -0.056+/-0.000 χ^2/NDF: 11631166132.9/

- sign -0.053+/-0.000 χ^2/NDF: 5632639341.1/53

yield_bpm16X_rms vs Slug



Right In: 0.014+/-0.000 χ^2/NDF: 9922413.8/24

Left Out: 0.010+/-0.000 χ^2/NDF:271912.7/24

Right Out: 0.016+/-0.000 χ^2/NDF: 12023745.3/30

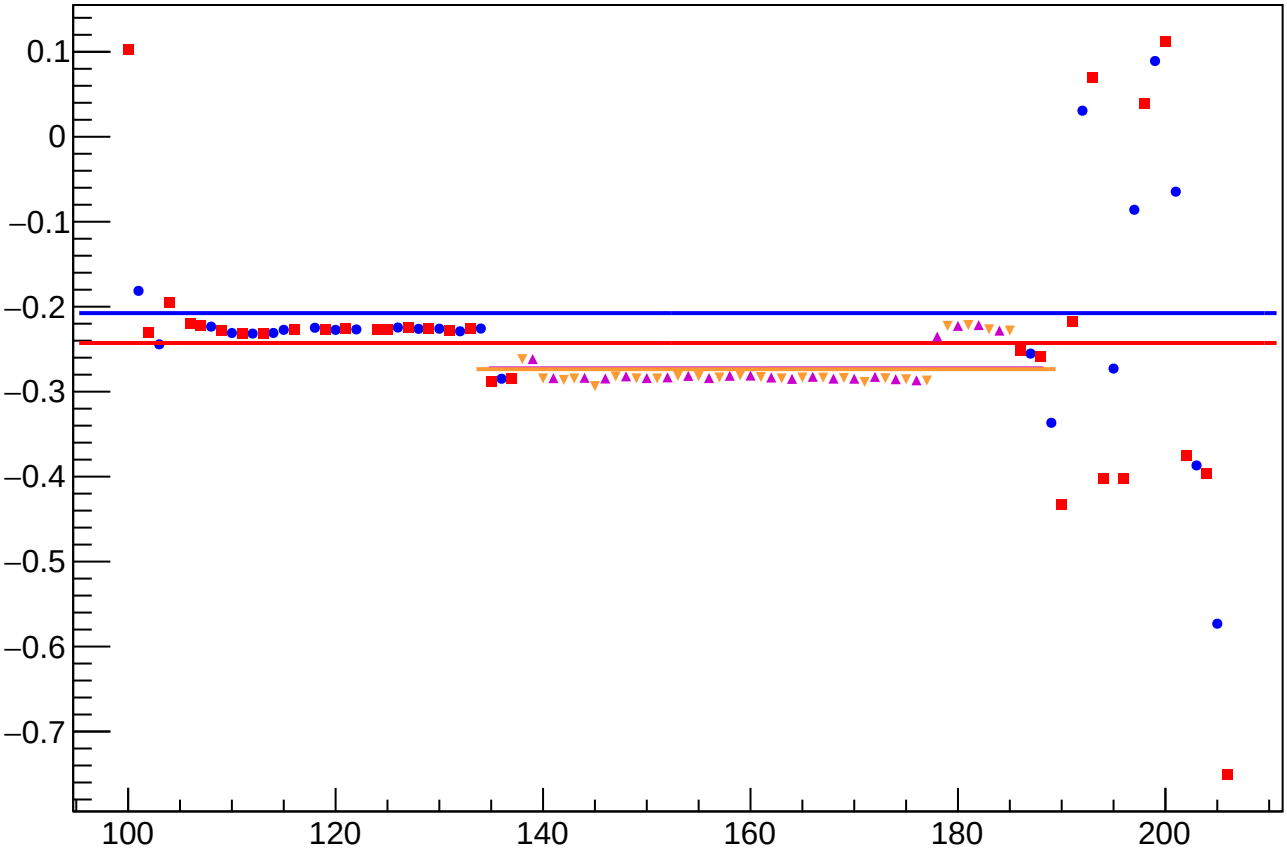
Left In: 0.009+/-0.000 χ^2/NDF:900469.0/22

+ sign 0.010+/-0.000 χ^2/NDF: 11461607.4/49

All: 0.010+/-0.000 χ^2/NDF: 26713489.4/103

- sign 0.011+/-0.000 χ^2/NDF: 15245716.7/53

yield_bpm16Y_mean vs Slug



Right In: -0.208+/-0.000 χ^2/NDF: 8140462269.1/24

Left Out: -0.274+/-0.000 χ^2/NDF:395563277.1/24

Right Out: -0.243+/-0.000 χ^2/NDF: 14371152570.9/30

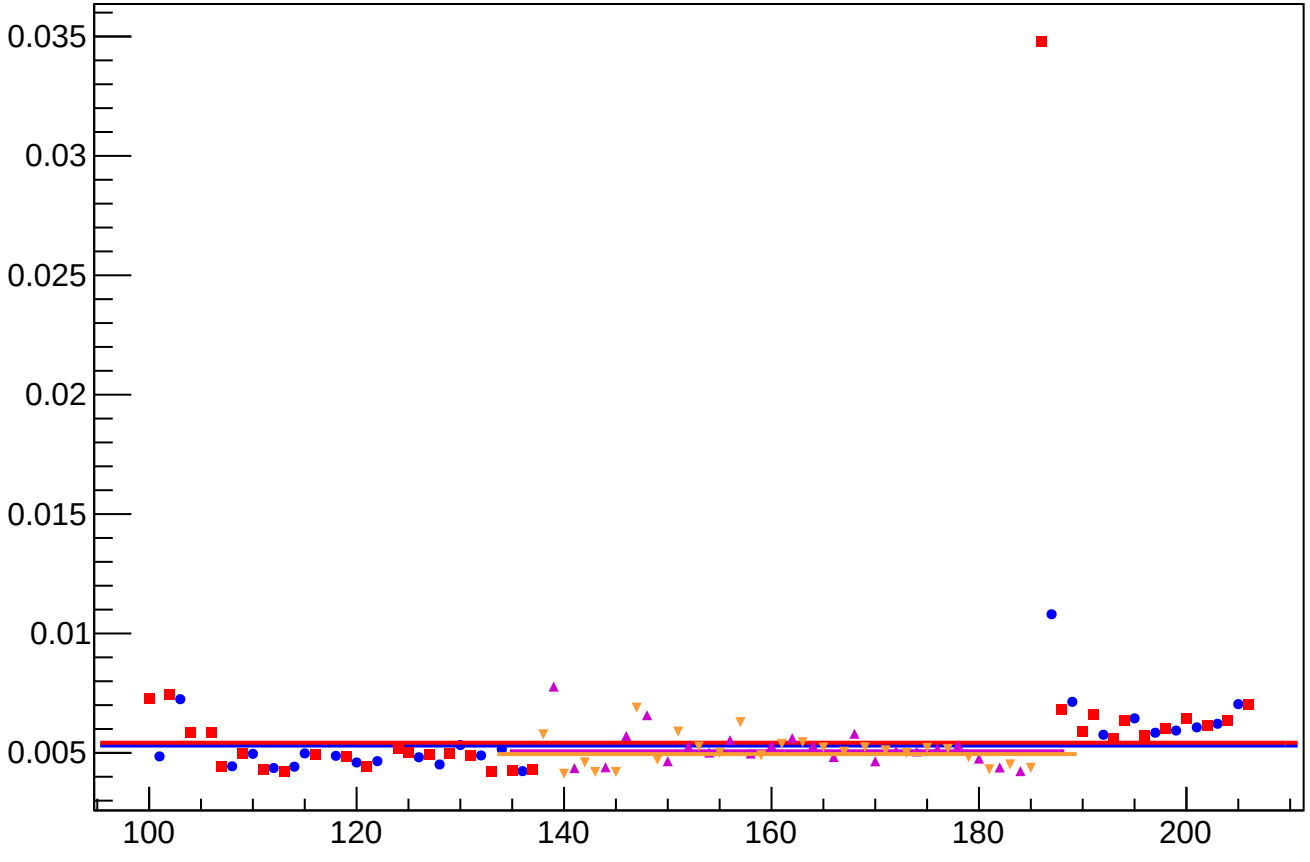
Left In: -0.273+/-0.000 χ^2/NDF:335149425.2/22

+ sign -0.249+/-0.000 χ^2/NDF: 9750402329.1/49

All: -0.254+/-0.000 χ^2/NDF: 24786510039.0/

- sign -0.260+/-0.000 χ^2/NDF: 14961195311.6/53

yield_bpm16Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 770144.4/24

Left Out: 0.005+/-0.000 χ^2/NDF:528766.8/24

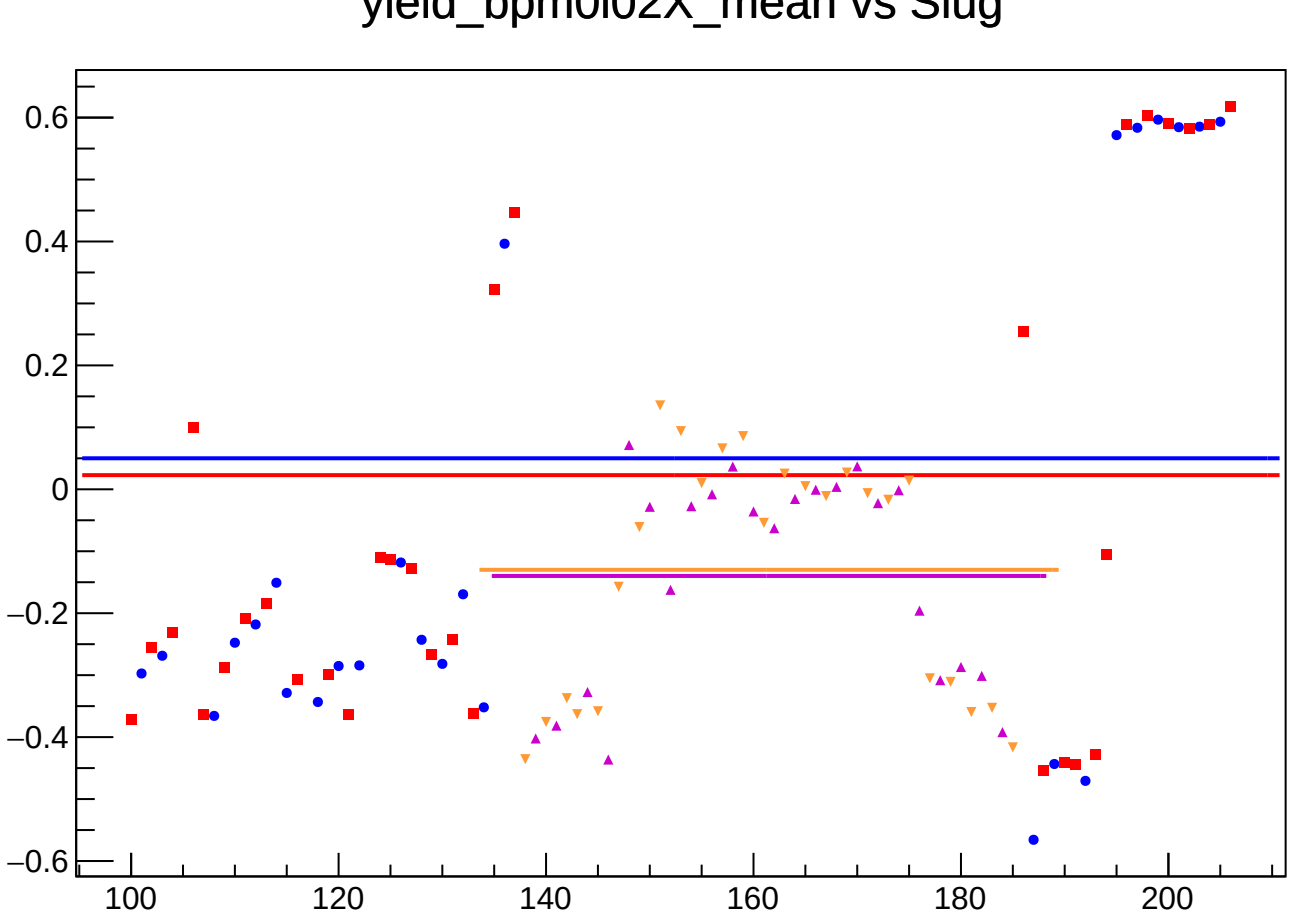
Right Out: 0.005+/-0.000 χ^2/NDF: 1416933.3/30

Left In: 0.005+/-0.000 χ^2/NDF:539392.8/22

+ sign 0.005+/-0.000 χ^2/NDF: 1370373.2/49

All: 0.005+/-0.000 χ^2/NDF: 3421437.8/103

- sign 0.005+/-0.000 χ^2/NDF: 2029826.8/53



Right In: 0.050+/-0.000 χ^2/NDF: 55851680245.0/24

Left Out: -0.130+/-0.000 χ^2/NDF:21496239338.5/24

Right Out: 0.023+/-0.000 χ^2/NDF: 59249688177.1/30

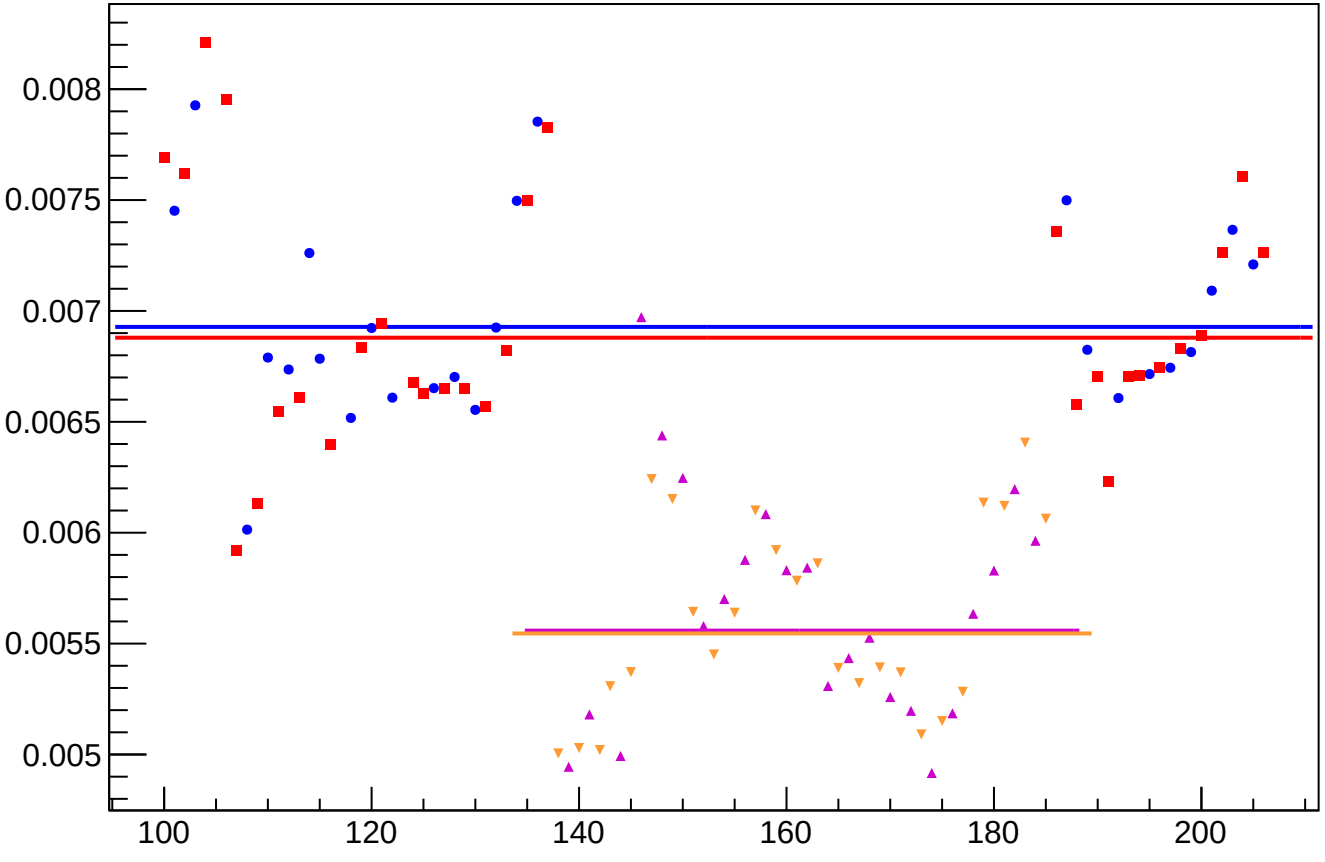
Left In: -0.140+/-0.000 χ^2/NDF:15148699439.4/22

+ sign -0.071+/-0.000 χ^2/NDF: 83637776061.7/49

All: -0.075+/-0.000 χ^2/NDF: 163645896938.

- sign -0.078+/-0.000 χ^2/NDF: 79985589425.6/53

yield_bpm0i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 105158.4/24

Left Out: 0.006+/-0.000 χ^2/NDF:201874.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 142044.3/30

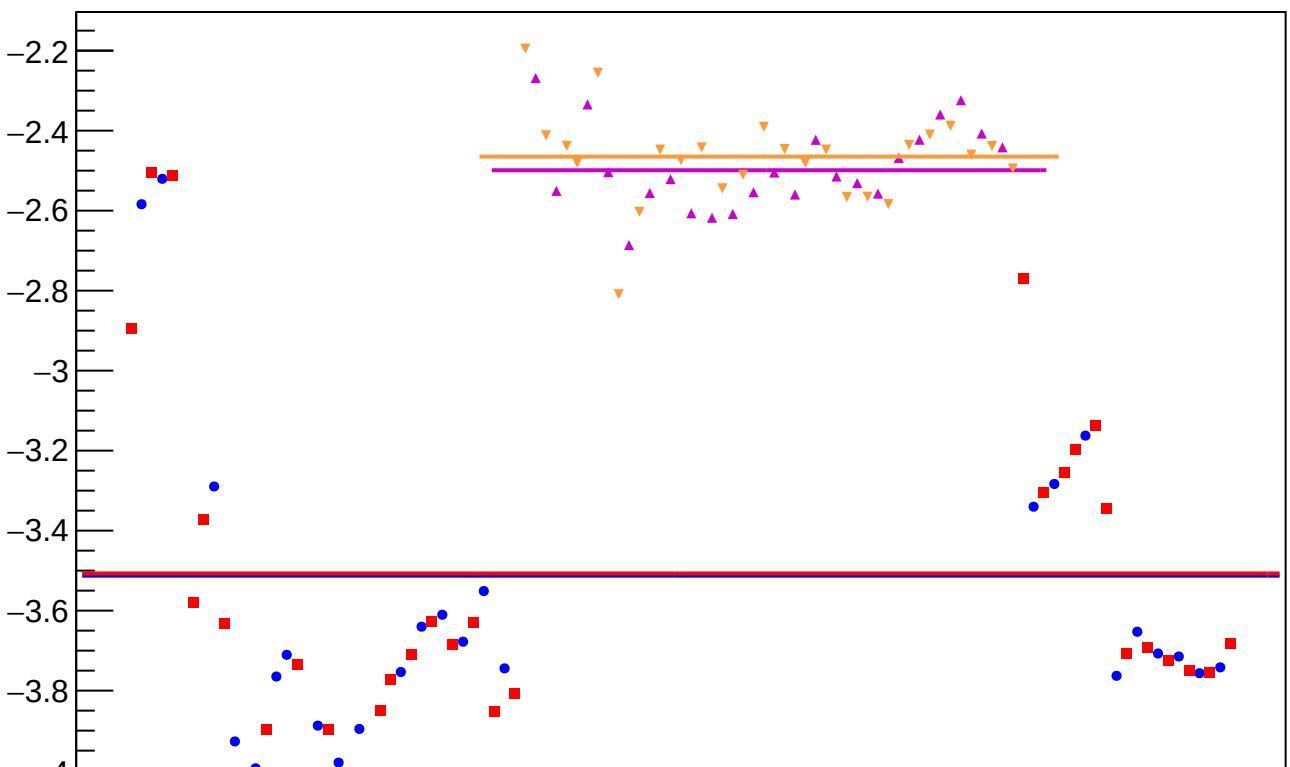
Left In: 0.006+/-0.000 χ^2/NDF:260994.3/22

+ sign 0.006+/-0.000 χ^2/NDF: 1048996.8/49

All: 0.006+/-0.000 χ^2/NDF: 2191585.4/103

- sign 0.006+/-0.000 χ^2/NDF: 1139235.6/53

yield_bpm0i02Y_mean vs Slug



Right In: -3.513+/-0.000 χ^2/NDF: 32484290743.2/24

Left Out: -2.465+/-0.000 χ^2/NDF:2167098053.0/24

Right Out: -3.507+/-0.000 χ^2/NDF: 34578968177.0/30

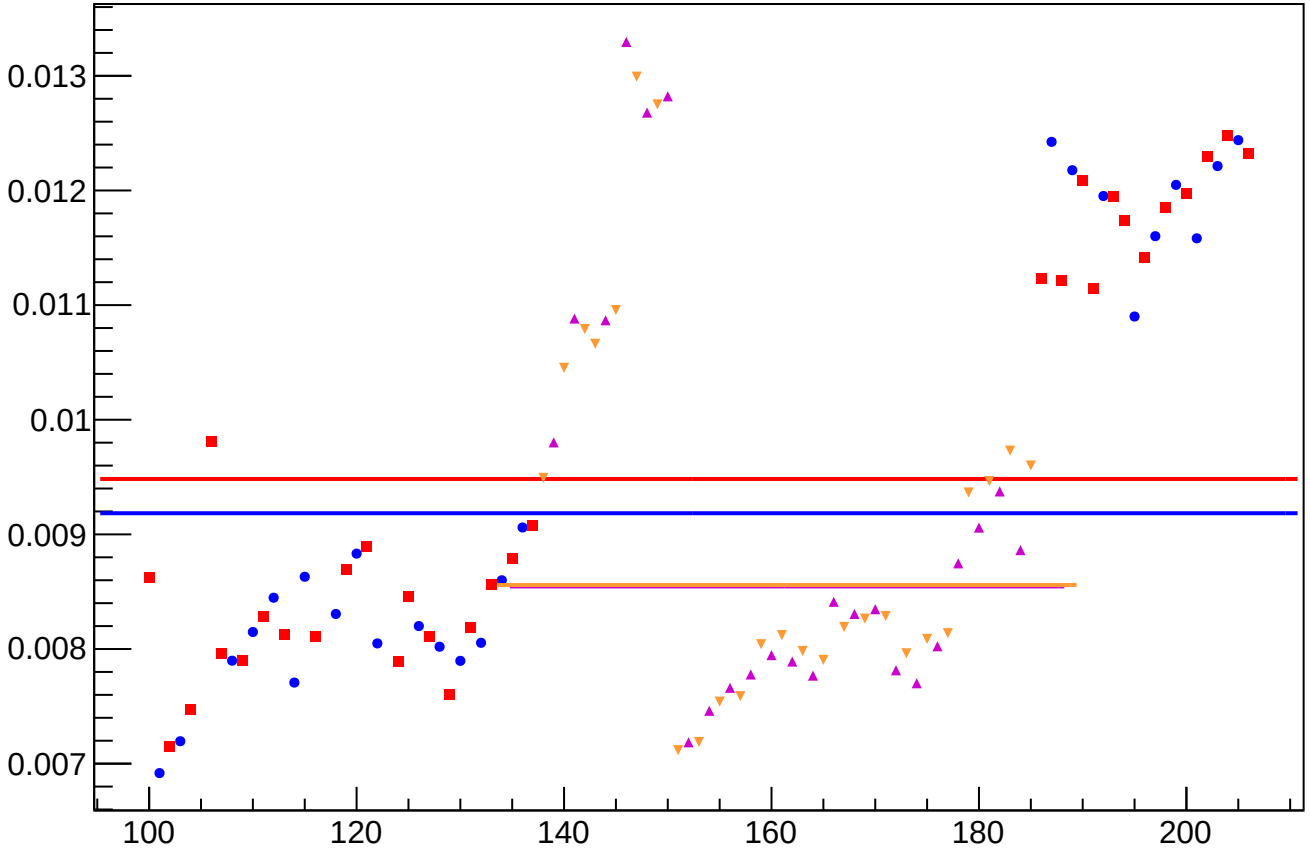
Left In: -2.499+/-0.000 χ^2/NDF:2273256162.3/22

+ sign -2.872+/-0.000 χ^2/NDF: 139861454472.5/49

All: -2.898+/-0.000 χ^2/NDF: 277594693082.5

- sign -2.924+/-0.000 χ^2/NDF: 137175254105.8/53

yield_bpm0i02Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 1077833.3/24

Left Out: 0.009+/-0.000 χ^2/NDF:824029.0/24

Right Out: 0.009+/-0.000 χ^2/NDF: 1195892.9/30

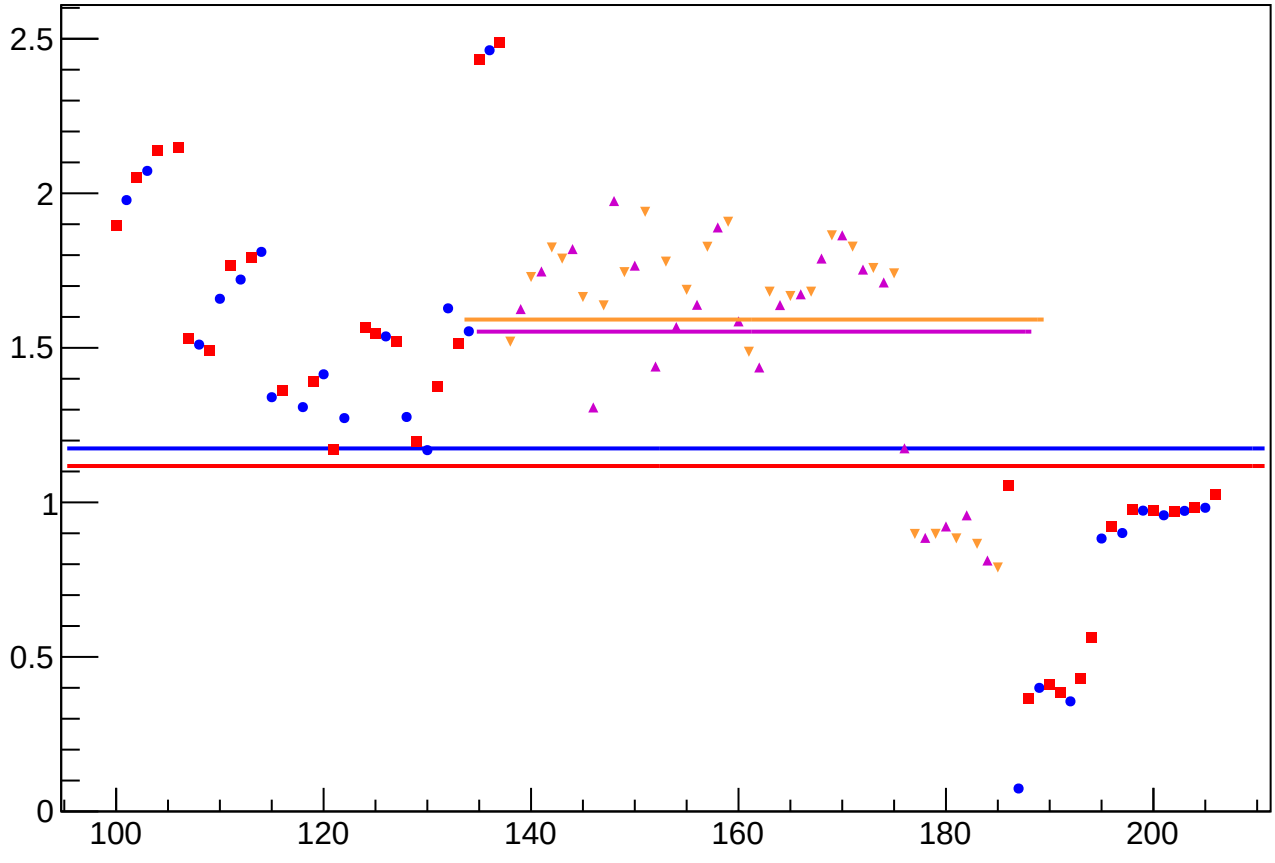
Left In: 0.009+/-0.000 χ^2/NDF:910760.2/22

+ sign 0.009+/-0.000 χ^2/NDF: 1977042.8/49

All: 0.009+/-0.000 χ^2/NDF: 4265134.8/103

- sign 0.009+/-0.000 χ^2/NDF: 2280178.0/53

yield_bpm0i02aX_mean vs Slug



Right In: 1.175+/-0.000 χ^2/NDF: 29161578290.7/24

Left Out: 1.592+/-0.000 χ^2/NDF:17078853061.6/24

Right Out: 1.118+/-0.000 χ^2/NDF: 34367529504.6/30

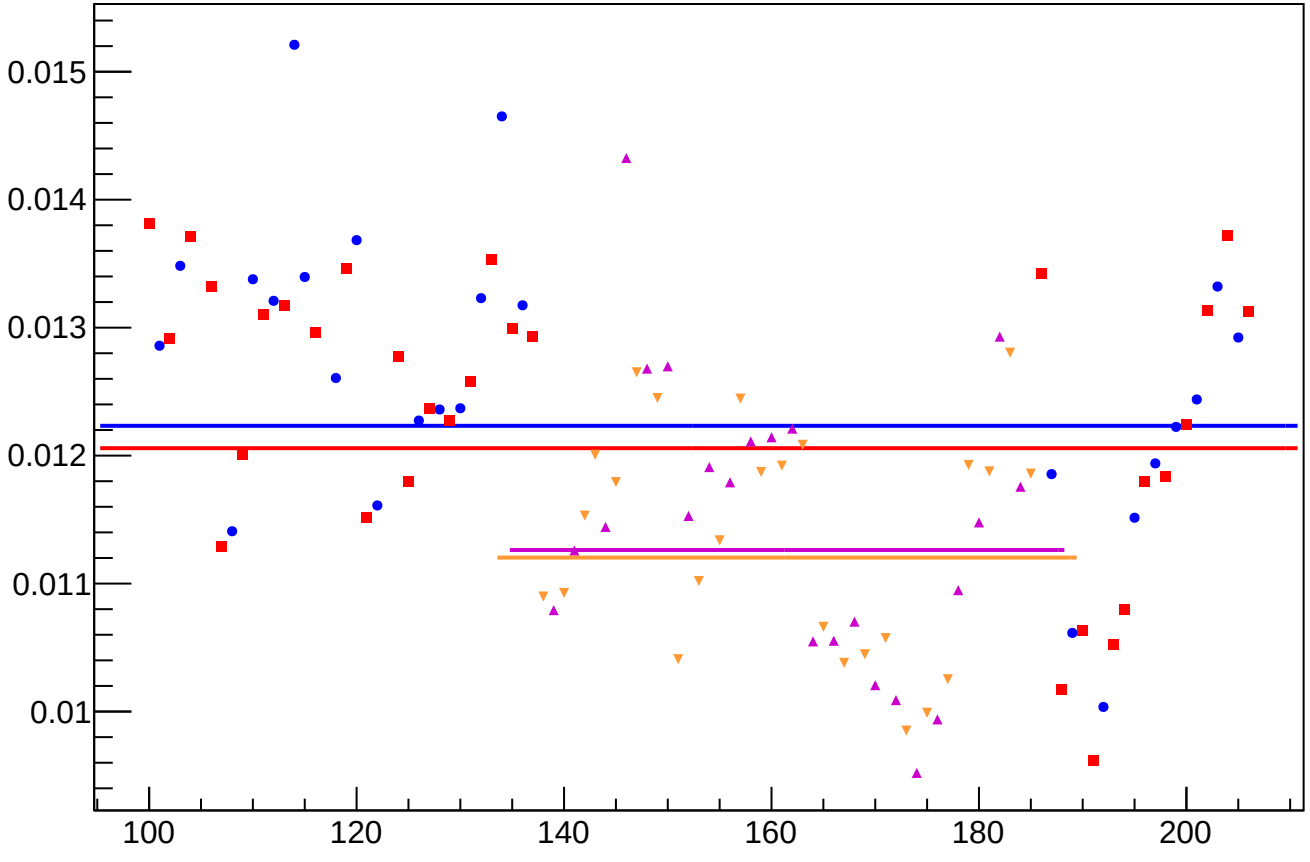
Left In: 1.552+/-0.000 χ^2/NDF:14055987405.9/22

+ sign 1.432+/-0.000 χ^2/NDF: 56047149704.1/49

All: 1.395+/-0.000 χ^2/NDF: 116573021361.2

- sign 1.359+/-0.000 χ^2/NDF: 59892424980.1/53

yield_bpm0i02aX_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 224363.0/24

Left Out: 0.011+/-0.000 χ^2/NDF:223594.3/24

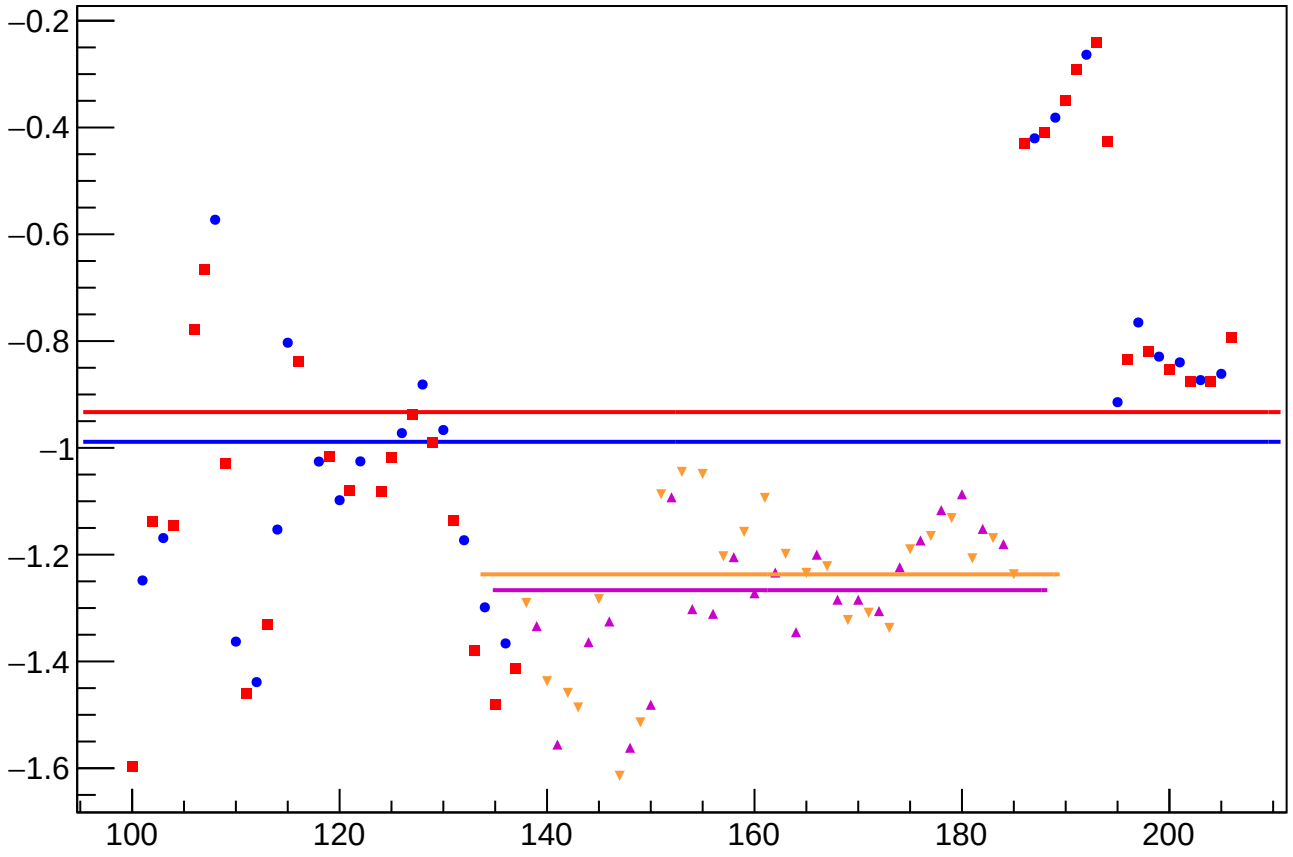
Right Out: 0.012+/-0.000 χ^2/NDF: 303733.3/30

Left In: 0.011+/-0.000 χ^2/NDF:311660.7/22

+ sign 0.012+/-0.000 χ^2/NDF: 567556.5/49

All: 0.012+/-0.000 χ^2/NDF: 1259871.6/103

- sign 0.012+/-0.000 χ^2/NDF: 692239.2/53



Right In: -0.989+/-0.000 χ^2/NDF: 11785472320.8/24

Left Out: -1.237+/-0.000 χ^2/NDF:4972272024.7/24

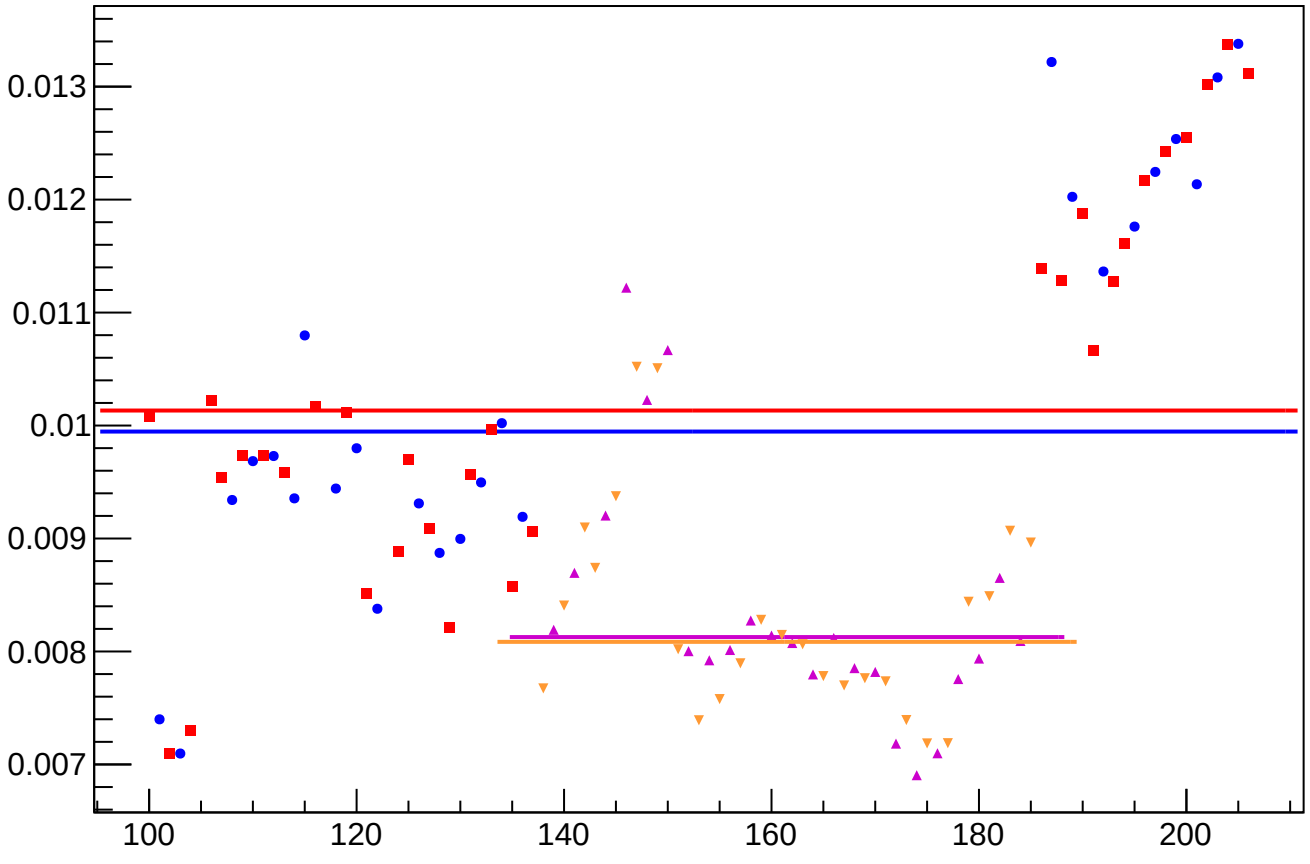
Right Out: -0.933+/-0.000 χ^2/NDF: 16714966452.4/30

Left In: -1.267+/-0.000 χ^2/NDF:3674801511.3/22

+ sign -1.156+/-0.000 χ^2/NDF: 22287973097.0/49

All: -1.151+/-0.000 χ^2/NDF: 53213677572.7/

- sign -1.145+/-0.000 χ^2/NDF: 30899402441.4/53



Right In: 0.010+/-0.000 χ^2/NDF: 929142.9/24

Left Out: 0.008+/-0.000 χ^2/NDF:326825.0/24

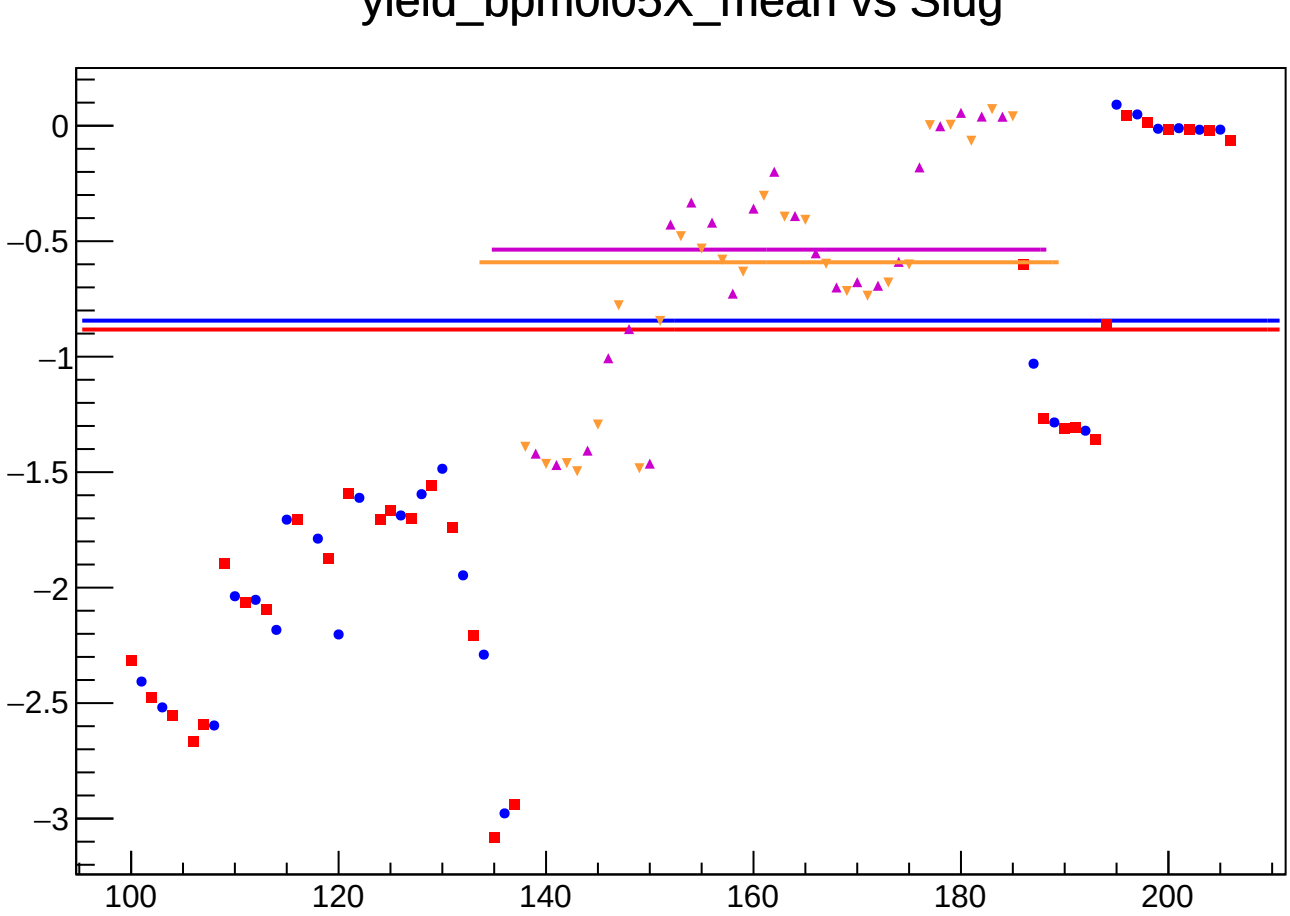
Right Out: 0.010+/-0.000 χ^2/NDF: 1056555.5/30

Left In: 0.008+/-0.000 χ^2/NDF:409030.0/22

+ sign 0.009+/-0.000 χ^2/NDF: 1877993.0/49

All: 0.009+/-0.000 χ^2/NDF: 4115280.8/103

- sign 0.009+/-0.000 χ^2/NDF: 2225611.4/53



Right In: -0.844+/-0.000 χ^2/NDF: 337819324522.1/24

Left Out: -0.591+/-0.000 χ^2/NDF:72678844667.5/24

Right Out: -0.882+/-0.000 χ^2/NDF: 362525090753.0/30

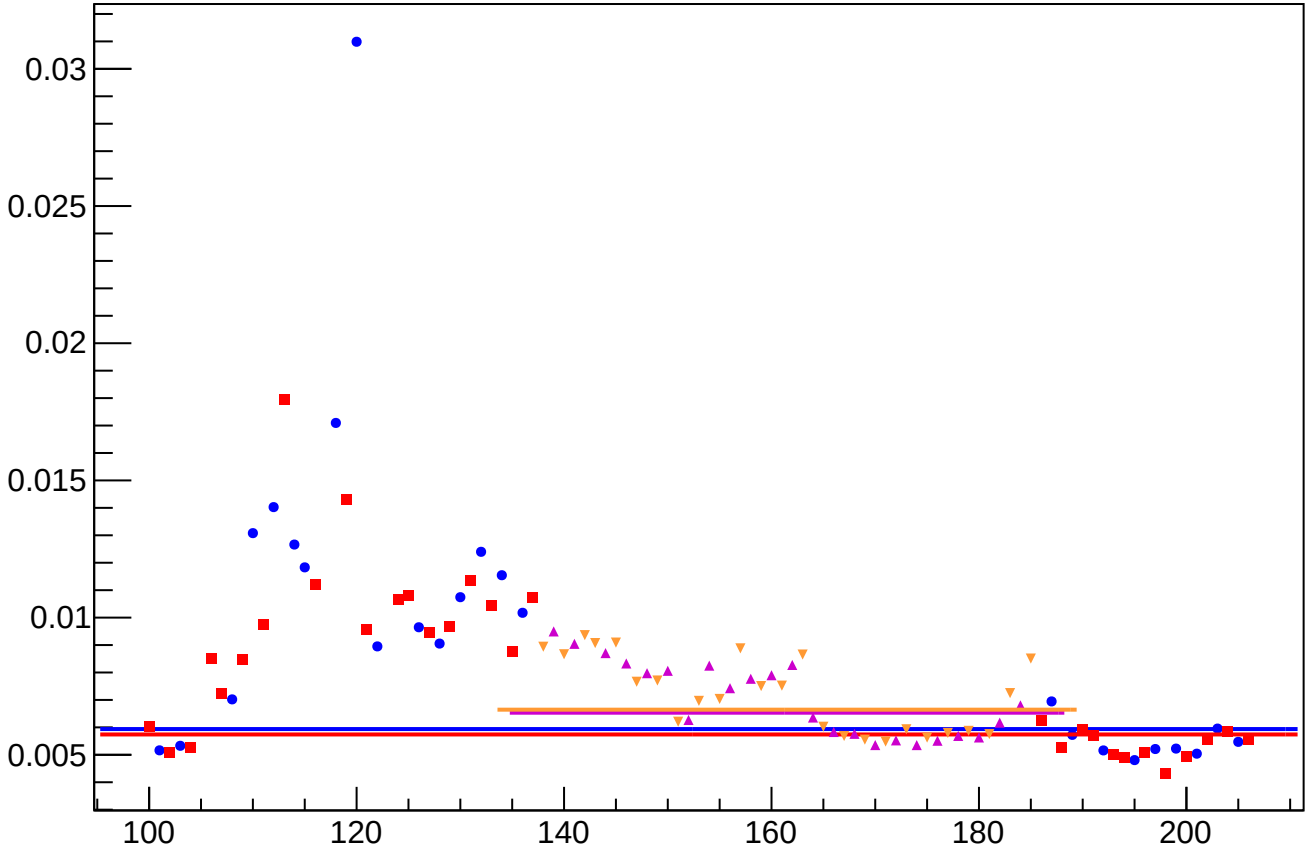
Left In: -0.536+/-0.000 χ^2/NDF:70168781562.6/22

+ sign -0.706+/-0.000 χ^2/NDF: 421459912343.7/49

All: -0.712+/-0.000 χ^2/NDF: 877408675876.6

- sign -0.717+/-0.000 χ^2/NDF: 455900249469.3/53

yield_bpm0i05X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 2472274.6/24

Left Out: 0.007+/-0.000 χ^2/NDF:1091920.0/24

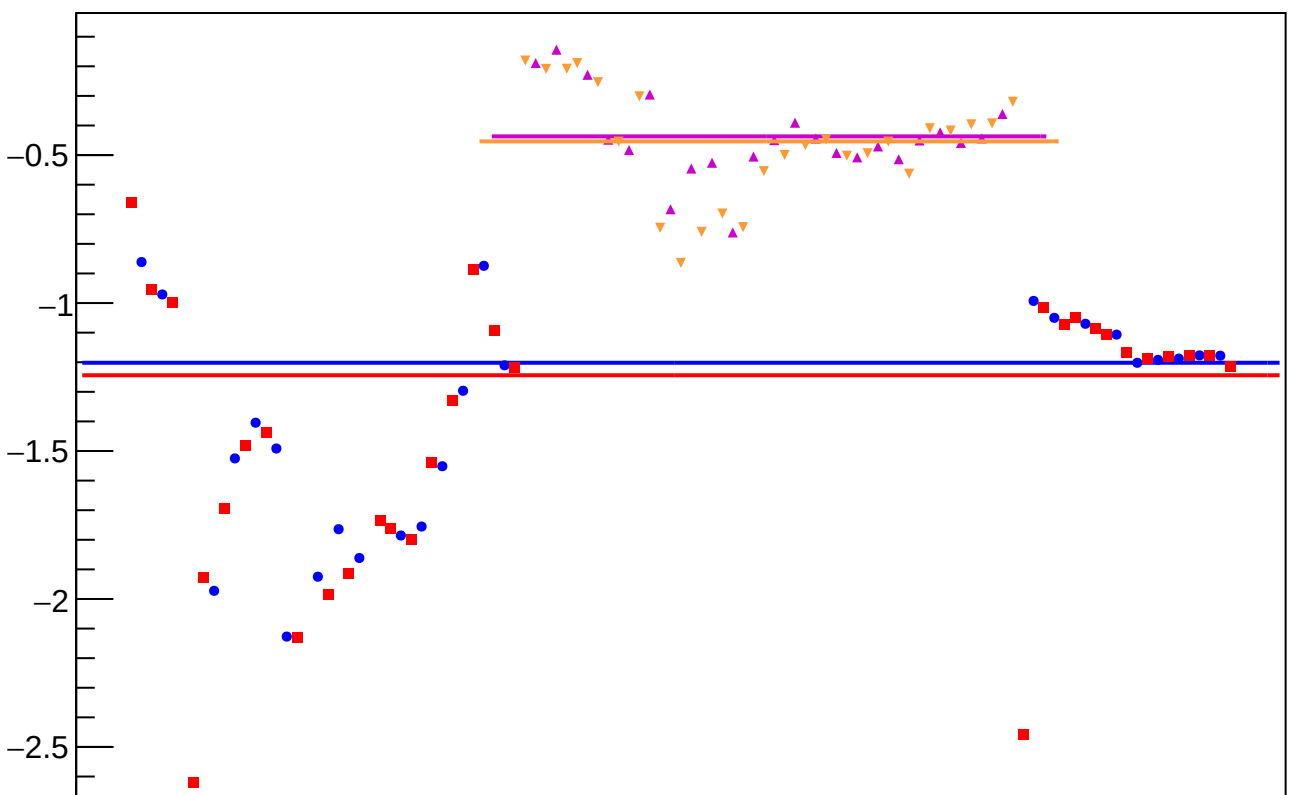
Right Out: 0.006+/-0.000 χ^2/NDF: 2349297.5/30

Left In: 0.007+/-0.000 χ^2/NDF:1151126.7/22

+ sign 0.006+/-0.000 χ^2/NDF: 3735605.7/49

All: 0.006+/-0.000 χ^2/NDF: 7510633.6/103

- sign 0.006+/-0.000 χ^2/NDF: 3744347.0/53



Right In: -1.202+/-0.000 χ^2/NDF: 27125078153.5/24

Left Out: -0.454+/-0.000 χ^2/NDF:29096412438.0/24

Right Out: -1.244+/-0.000 χ^2/NDF: 72207875260.1/30

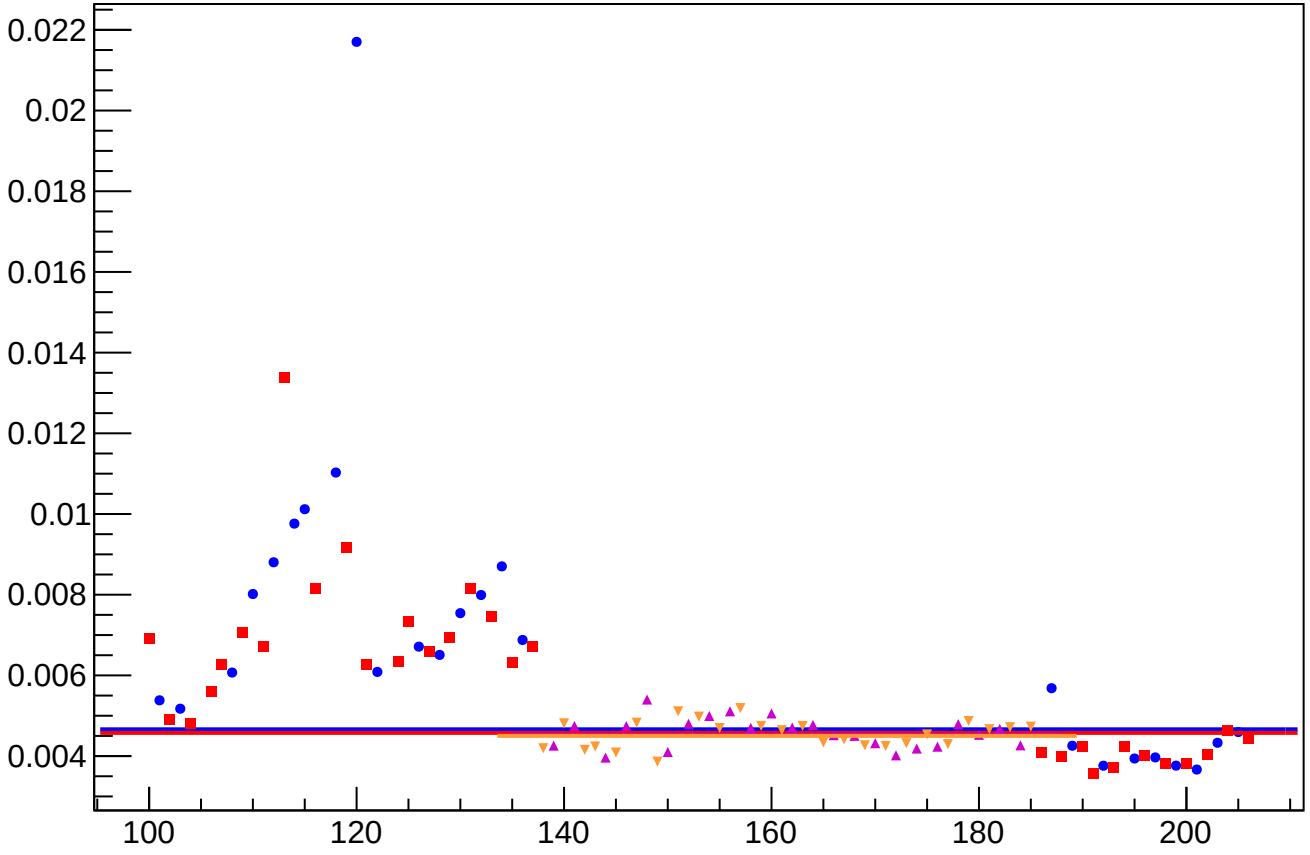
Left In: -0.437+/-0.000 χ^2/NDF:16544160360.6/22

+ sign -0.733+/-0.000 χ^2/NDF: 237866709628.2/49

All: -0.765+/-0.000 χ^2/NDF: 565009505840.1

- sign -0.795+/-0.000 χ^2/NDF: 324380784888.3/53

yield_bpm0i05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2143713.3/24

Left Out: 0.005+/-0.000 χ^2/NDF:189230.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 1846516.4/30

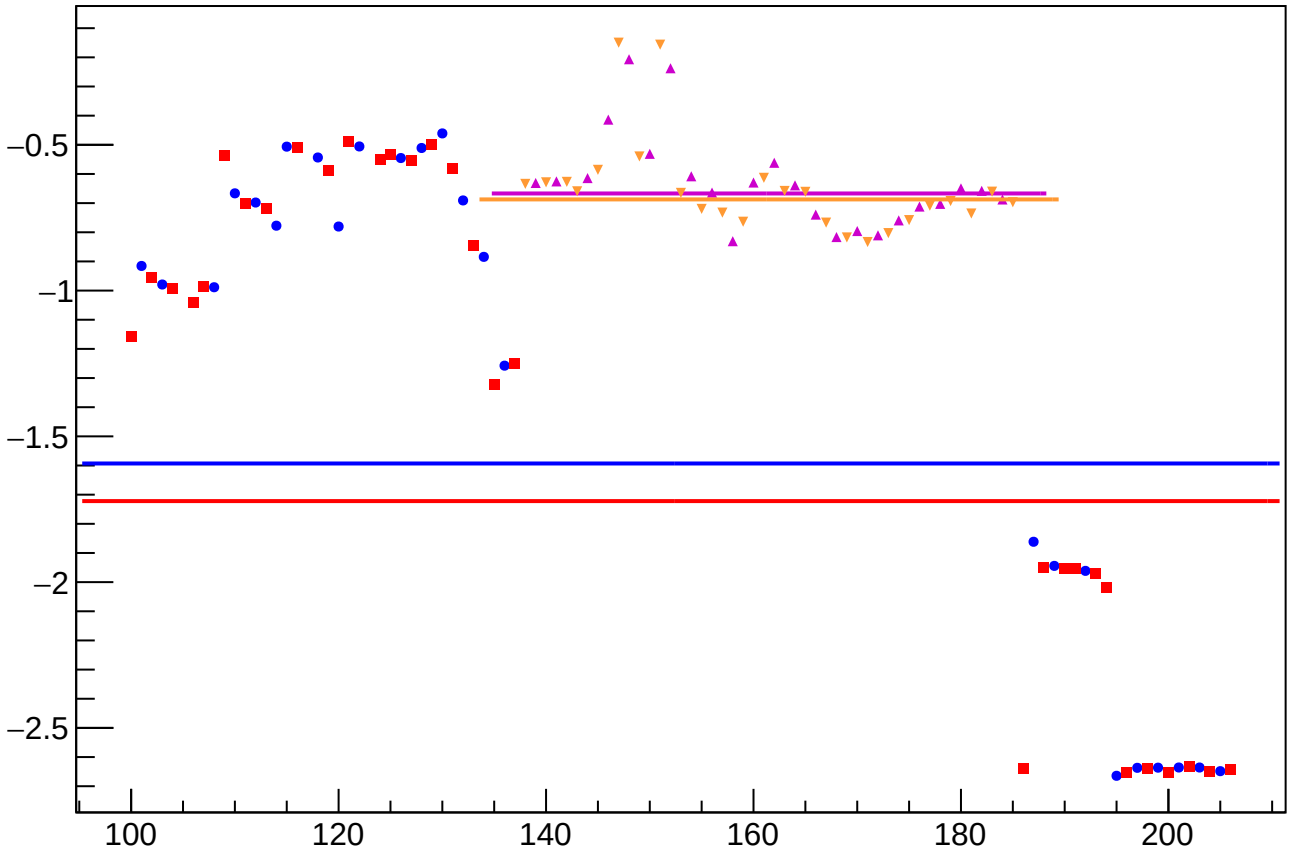
Left In: 0.005+/-0.000 χ^2/NDF:212056.7/22

+ sign 0.005+/-0.000 χ^2/NDF: 2350126.6/49

All: 0.005+/-0.000 χ^2/NDF: 4411273.2/103

- sign 0.005+/-0.000 χ^2/NDF: 2060740.6/53

yield_bpm0i07X_mean vs Slug



Right In: -1.593+/-0.000 χ^2/NDF: 228952487345.9/24

Left Out: -0.687+/-0.000 χ^2/NDF:22462821855.7/24

Right Out: -1.722+/-0.000 χ^2/NDF: 298397167355.8/30

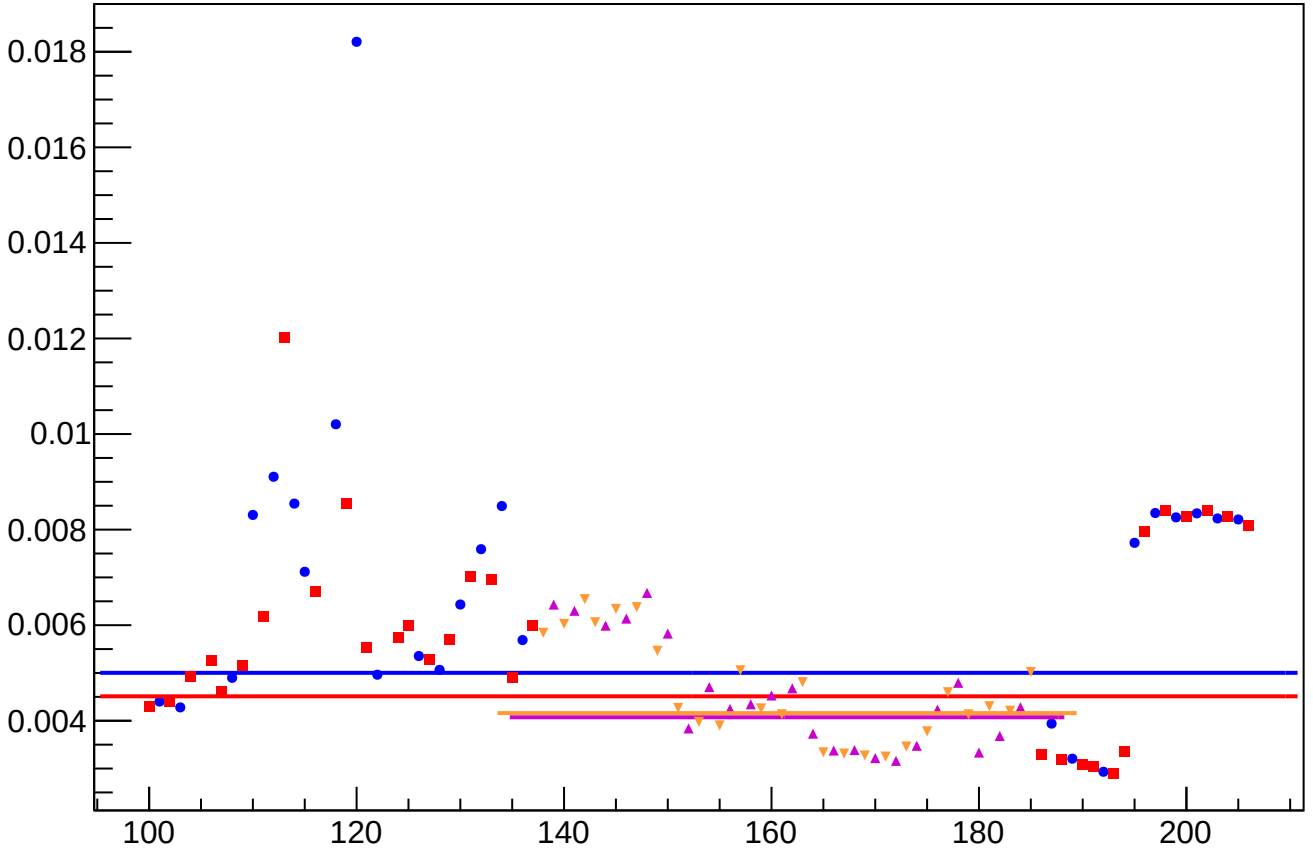
Left In: -0.667+/-0.000 χ^2/NDF:22531477329.1/22

+ sign -0.968+/-0.000 χ^2/NDF: 496676480158.0/49

All: -1.031+/-0.000 χ^2/NDF: 1250402636846

- sign -1.087+/-0.000 χ^2/NDF: 743157278970.5/53

yield_bpm0i07X_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 3889369.1/24

Left Out: 0.004+/-0.000 χ^2/NDF:1520055.0/24

Right Out: 0.005+/-0.000 χ^2/NDF: 4376577.2/30

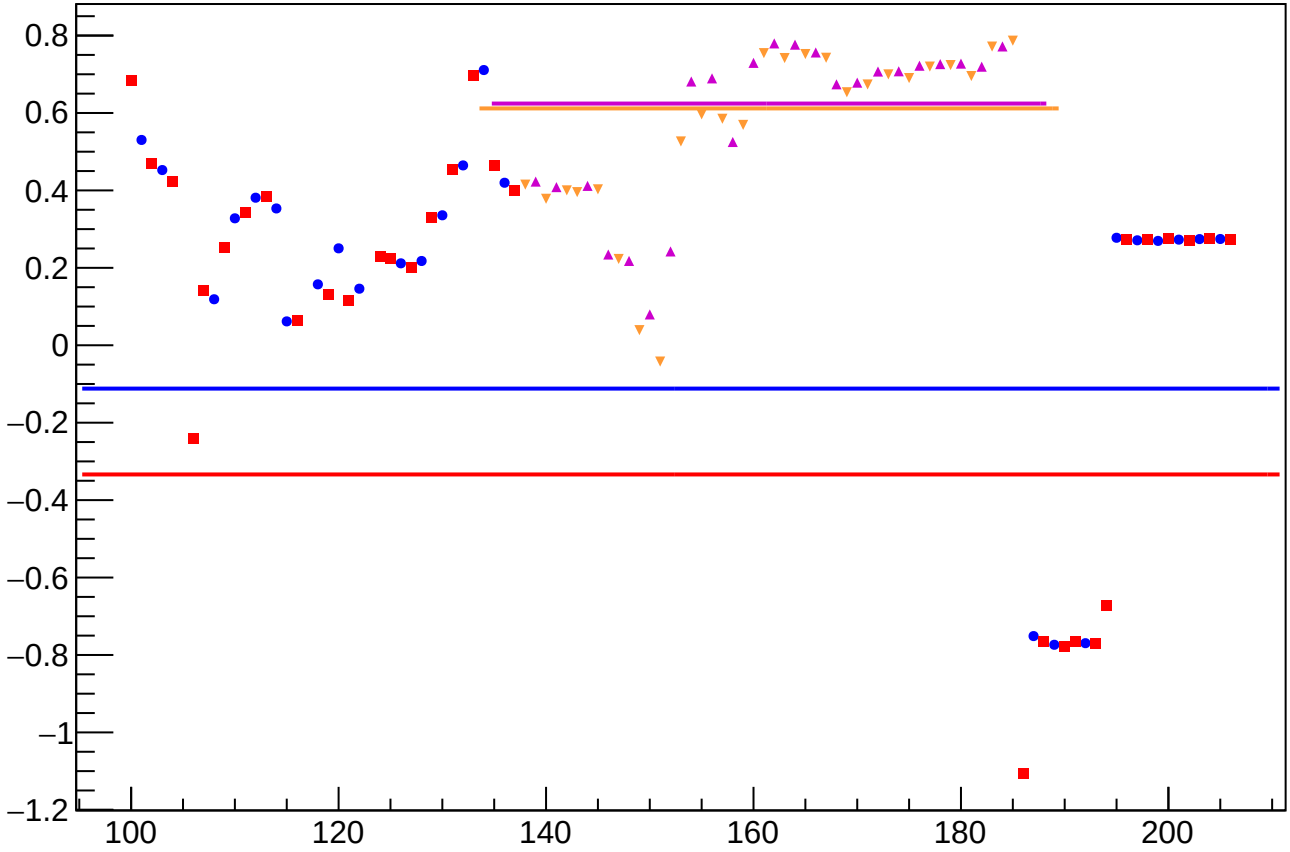
Left In: 0.004+/-0.000 χ^2/NDF:1750303.9/22

+ sign 0.004+/-0.000 χ^2/NDF: 5833830.7/49

All: 0.004+/-0.000 χ^2/NDF: 12151445.6/103

- sign 0.004+/-0.000 χ^2/NDF: 6272598.1/53

yield_bpm0i07Y_mean vs Slug



Right In: -0.112+/-0.000 χ^2/NDF: 303640020156.8/24

Left Out: 0.612+/-0.000 χ^2/NDF:45742599949.2/24

Right Out: -0.334+/-0.000 χ^2/NDF: 488138852760.6/30

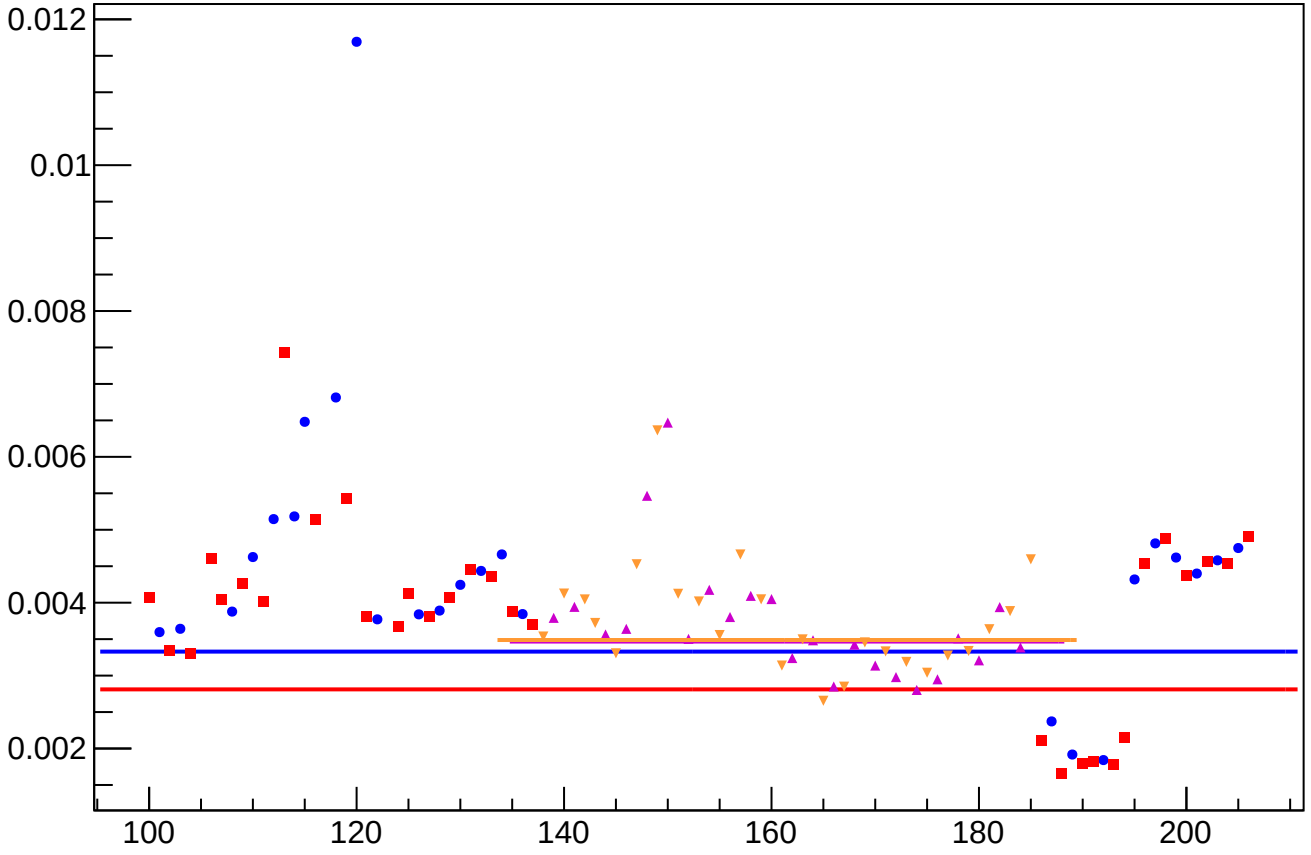
Left In: 0.624+/-0.000 χ^2/NDF:40353141115.4/22

+ sign 0.296+/-0.000 χ^2/NDF: 650491442061.2/49

All: 0.182+/-0.000 χ^2/NDF: 1883149086964.

- sign 0.090+/-0.000 χ^2/NDF: 1177603471985.2/53

yield_bpm0i07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3370957.8/24

Left Out: 0.003+/-0.000 χ^2/NDF:850746.8/24

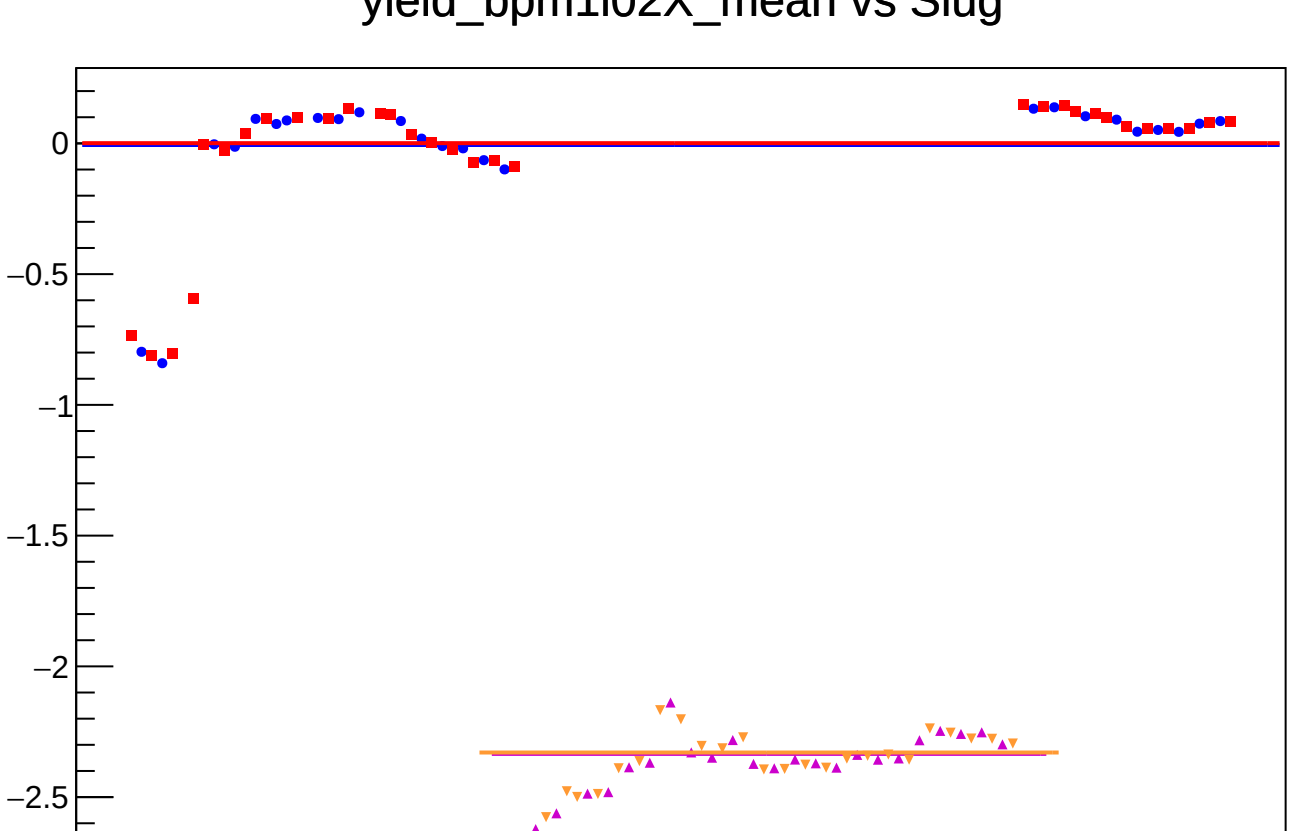
Right Out: 0.003+/-0.000 χ^2/NDF: 4900448.6/30

Left In: 0.003+/-0.000 χ^2/NDF:894124.0/22

+ sign 0.003+/-0.000 χ^2/NDF: 4250761.8/49

All: 0.003+/-0.000 χ^2/NDF: 10914186.7/103

- sign 0.003+/-0.000 χ^2/NDF: 6402974.0/53



Right In: -0.006+/-0.000 χ^2/NDF: 6465374510.5/24

Left Out: -2.329+/-0.000 χ^2/NDF:1982733526.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 7797409054.9/30

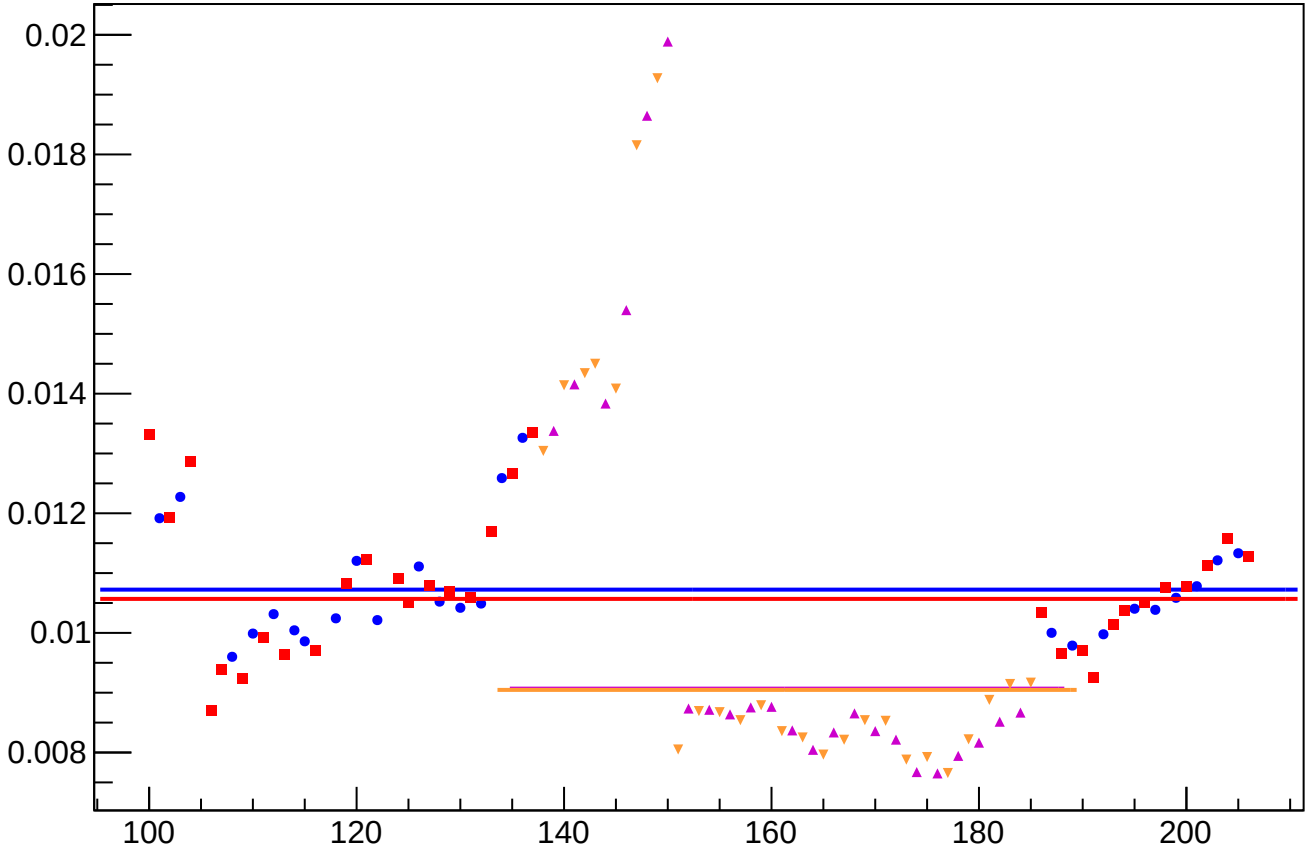
Left In: -2.335+/-0.000 χ^2/NDF:1676703216.8/22

+ sign -1.510+/-0.000 χ^2/NDF: 431284991046.8/49

All: -1.442+/-0.000 χ^2/NDF: 911385469732.3

- sign -1.375+/-0.000 χ^2/NDF: 476933484081.4/53

yield_bpm1i02X_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 175944.9/24

Left Out: 0.009+/-0.000 χ^2/NDF:2048729.6/24

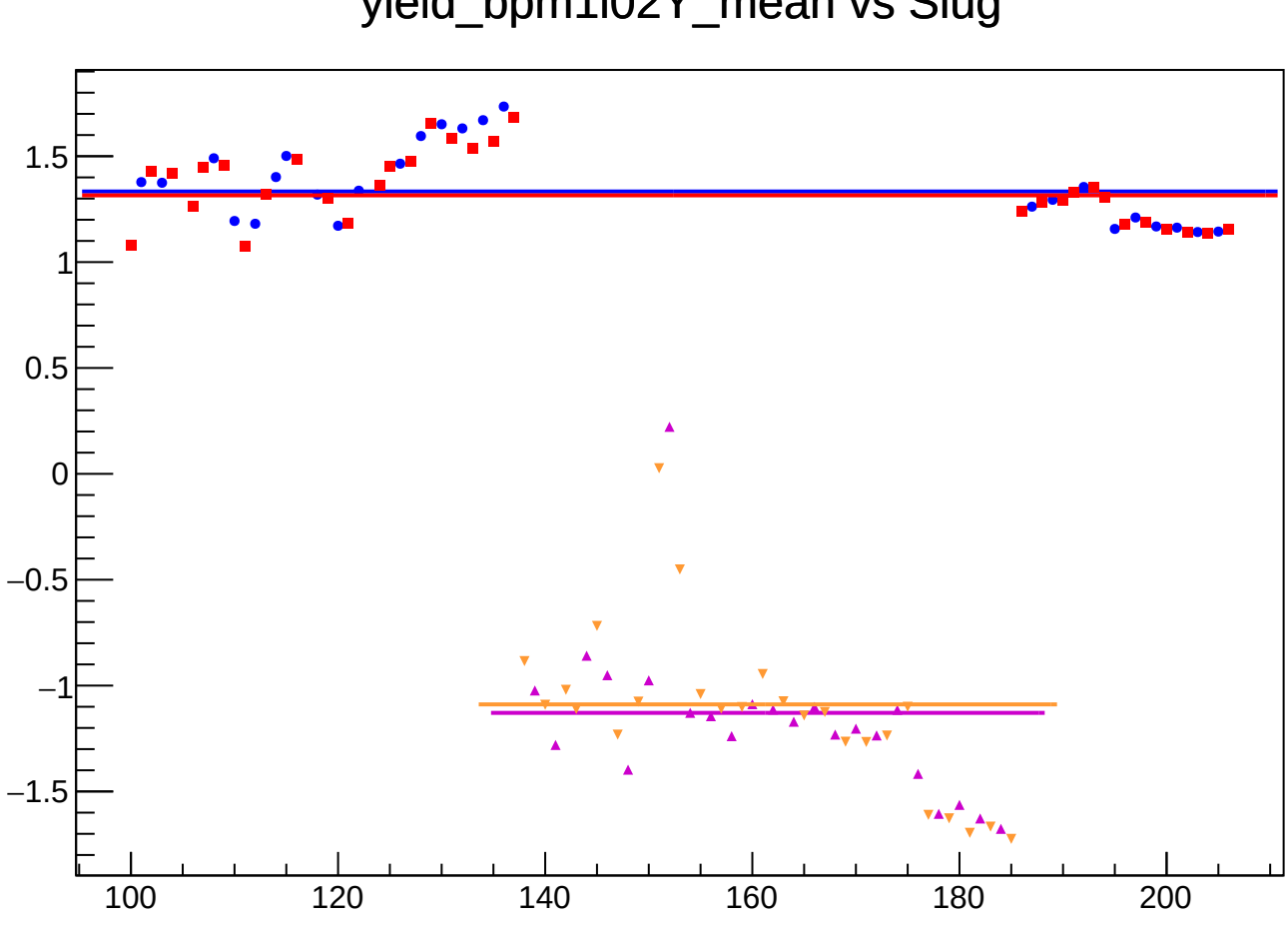
Right Out: 0.011+/-0.000 χ^2/NDF: 254194.2/30

Left In: 0.009+/-0.000 χ^2/NDF:2134207.9/22

+ sign 0.010+/-0.000 χ^2/NDF: 2665073.3/49

All: 0.010+/-0.000 χ^2/NDF: 5440021.0/103

- sign 0.010+/-0.000 χ^2/NDF: 2774203.7/53



Right In: 1.333+/-0.000 χ^2/NDF: 7762001314.0/24

Left Out: -1.089+/-0.000 χ^2/NDF:61255304912.3/24

Right Out: 1.315+/-0.000 χ^2/NDF: 6313435710.5/30

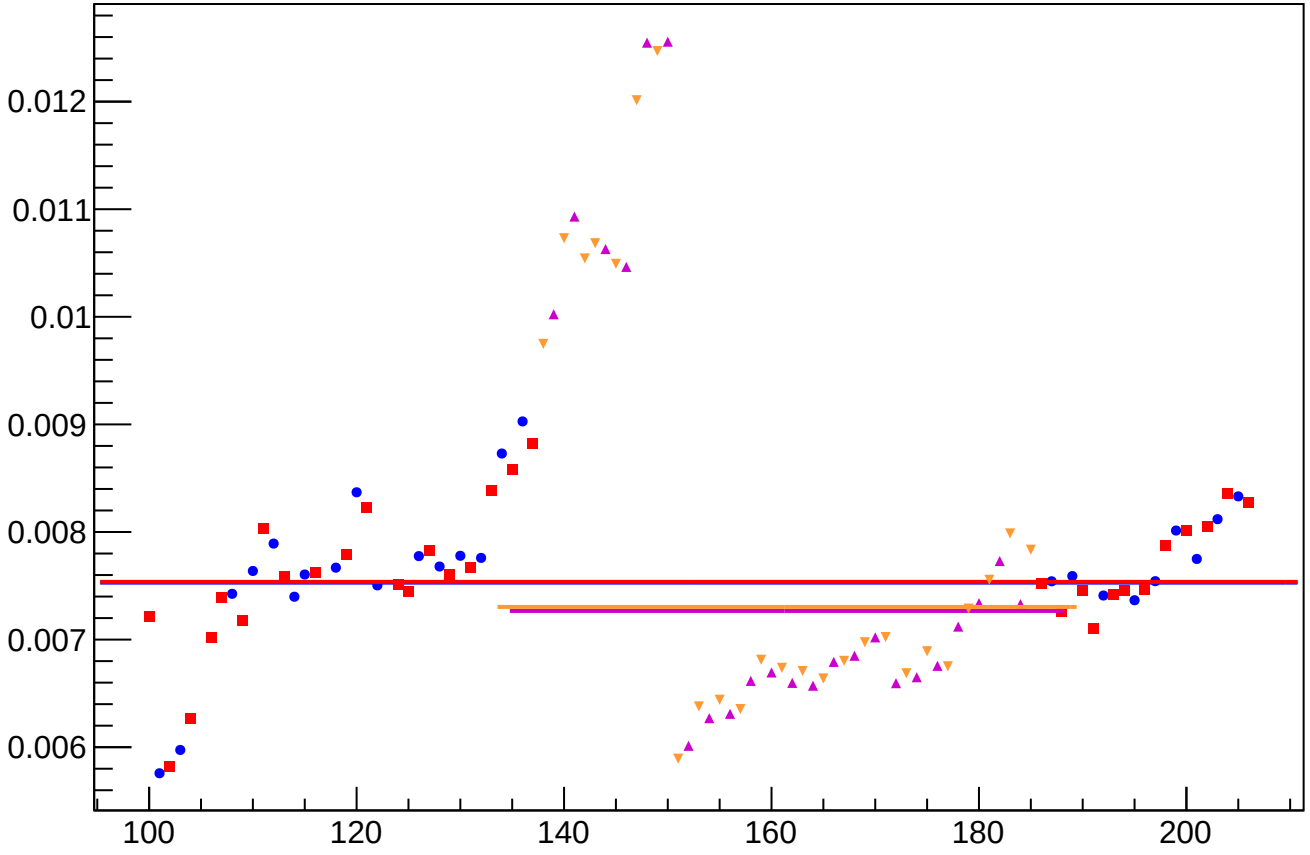
Left In: -1.129+/-0.000 χ^2/NDF:58876825364.1/22

+ sign -0.087+/-0.000 χ^2/NDF: 909336151078.0/49

All: -0.040+/-0.000 χ^2/NDF: 1893431081310

- sign 0.004+/-0.000 χ^2/NDF: 981559269536.9/53

yield_bpm1i02Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 313885.2/24

Left Out: 0.007+/-0.000 χ^2/NDF:1504103.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 260743.8/30

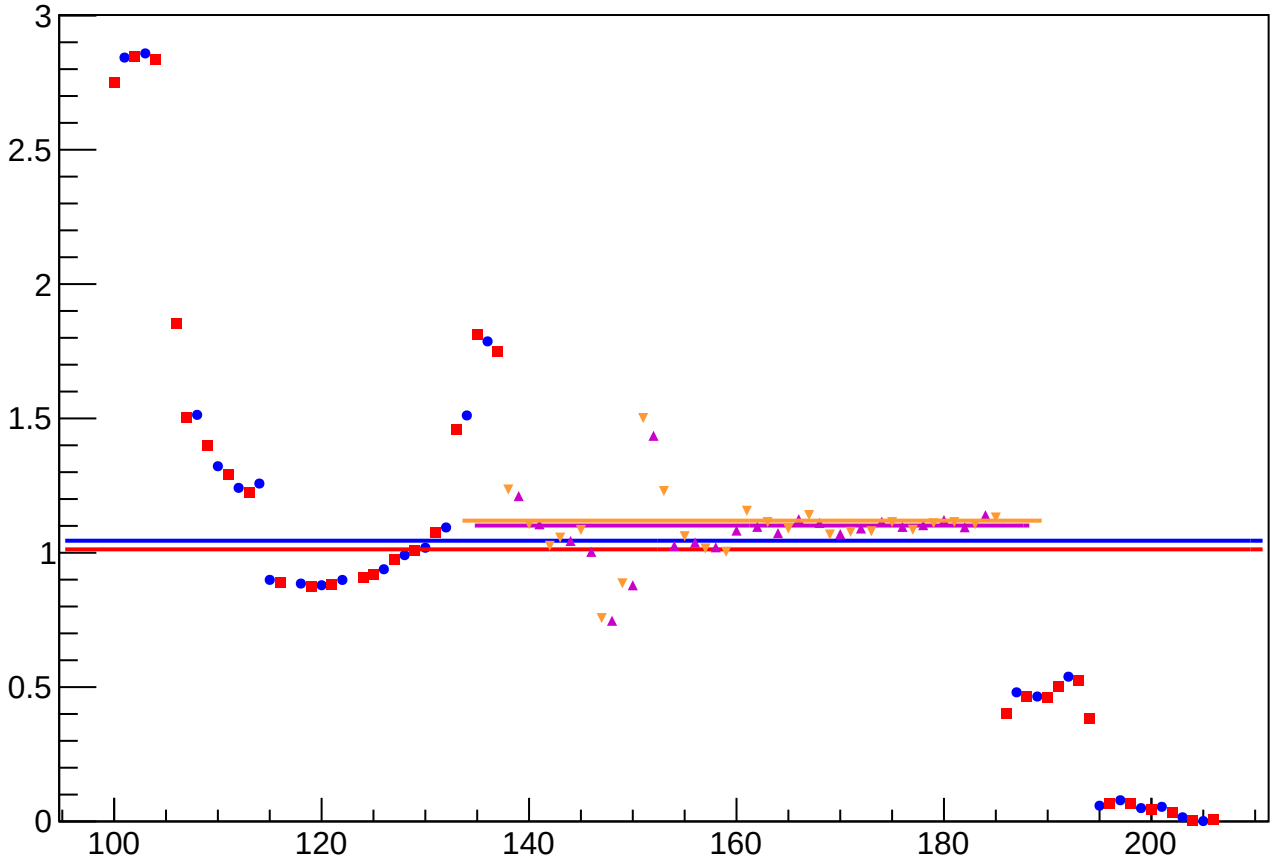
Left In: 0.007+/-0.000 χ^2/NDF:1560089.8/22

+ sign 0.007+/-0.000 χ^2/NDF: 1832637.6/49

All: 0.007+/-0.000 χ^2/NDF: 3675894.1/103

- sign 0.007+/-0.000 χ^2/NDF: 1843238.4/53

yield_bpm1i04X_mean vs Slug



Right In: 1.045+/-0.000 χ^2/NDF: 125312328545.7/24

Left Out: 1.120+/-0.000 χ^2/NDF:5515079117.9/24

Right Out: 1.013+/-0.000 χ^2/NDF: 130642982854.0/30

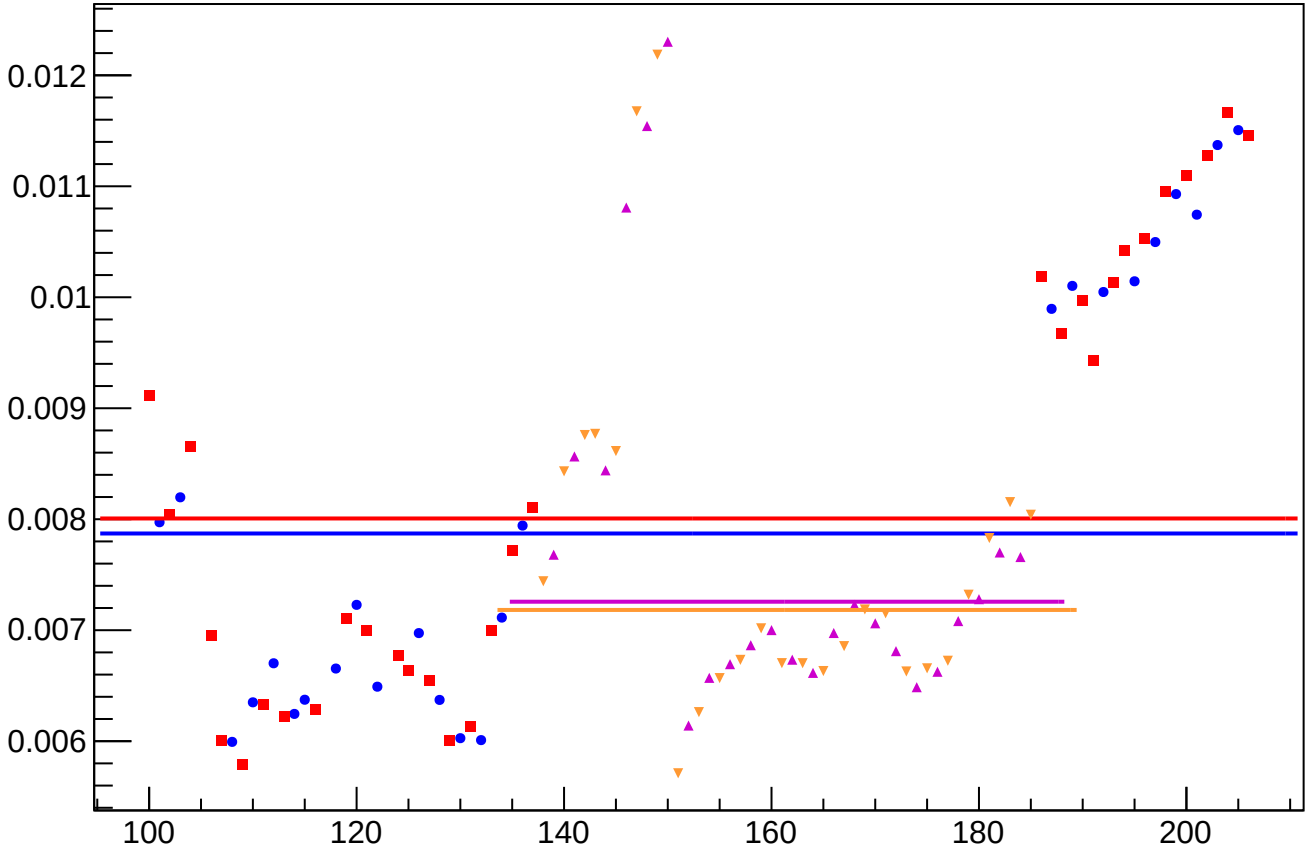
Left In: 1.101+/-0.000 χ^2/NDF:4201972548.8/22

+ sign 1.092+/-0.000 χ^2/NDF: 131576676215.6/49

All: 1.078+/-0.000 χ^2/NDF: 267737447985.4

- sign 1.064+/-0.000 χ^2/NDF: 135943436241.1/53

yield_bpm1i04X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1464245.9/24

Left Out: 0.007+/-0.000 χ^2/NDF:893807.0/24

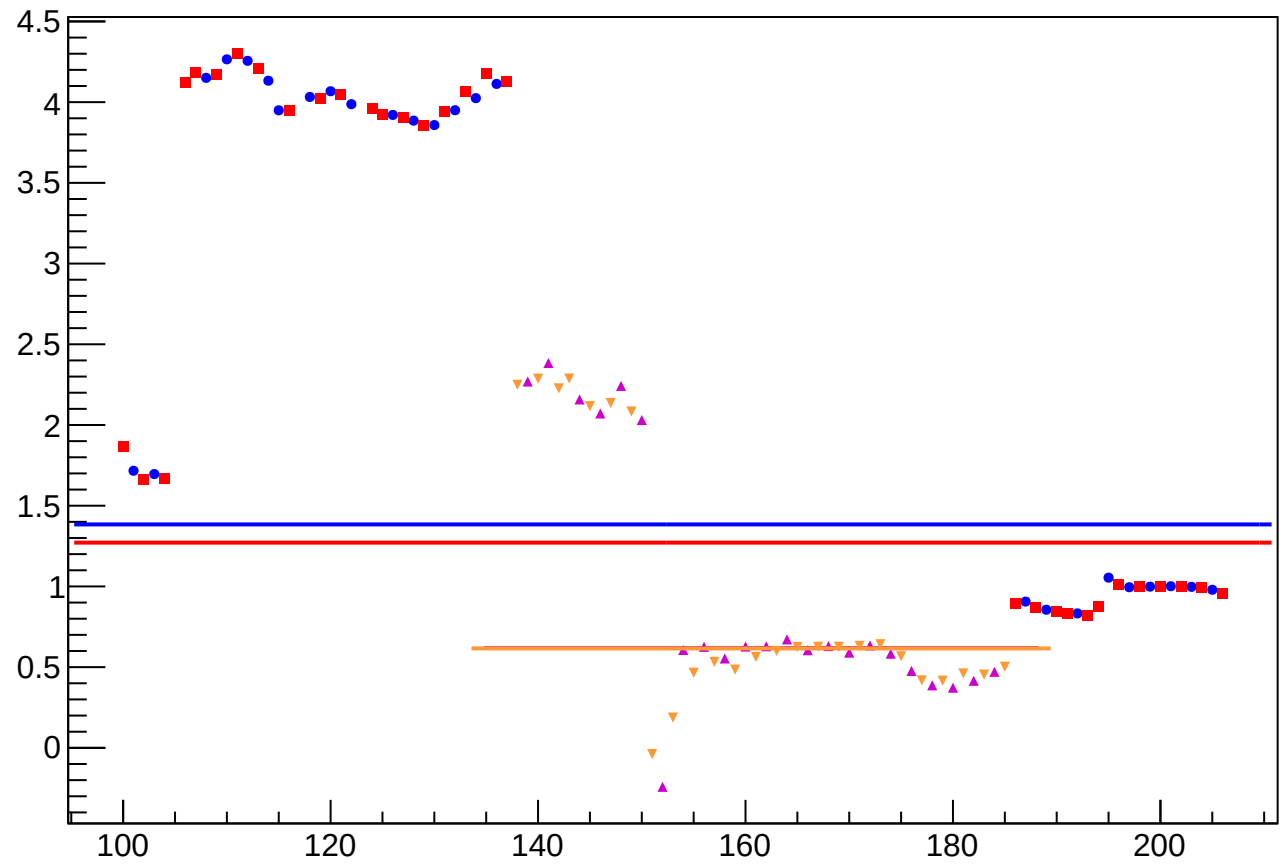
Right Out: 0.008+/-0.000 χ^2/NDF: 1871893.8/30

Left In: 0.007+/-0.000 χ^2/NDF:916696.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 2485267.8/49

All: 0.008+/-0.000 χ^2/NDF: 5440878.5/103

- sign 0.008+/-0.000 χ^2/NDF: 2945760.5/53



Right In: 1.384+/-0.000 χ^2/NDF: 1547243212663.2/24

Left Out: 0.616+/-0.000 χ^2/NDF:251940630795.3/24

Right Out: 1.271+/-0.000 χ^2/NDF: 1755616410419.6/30

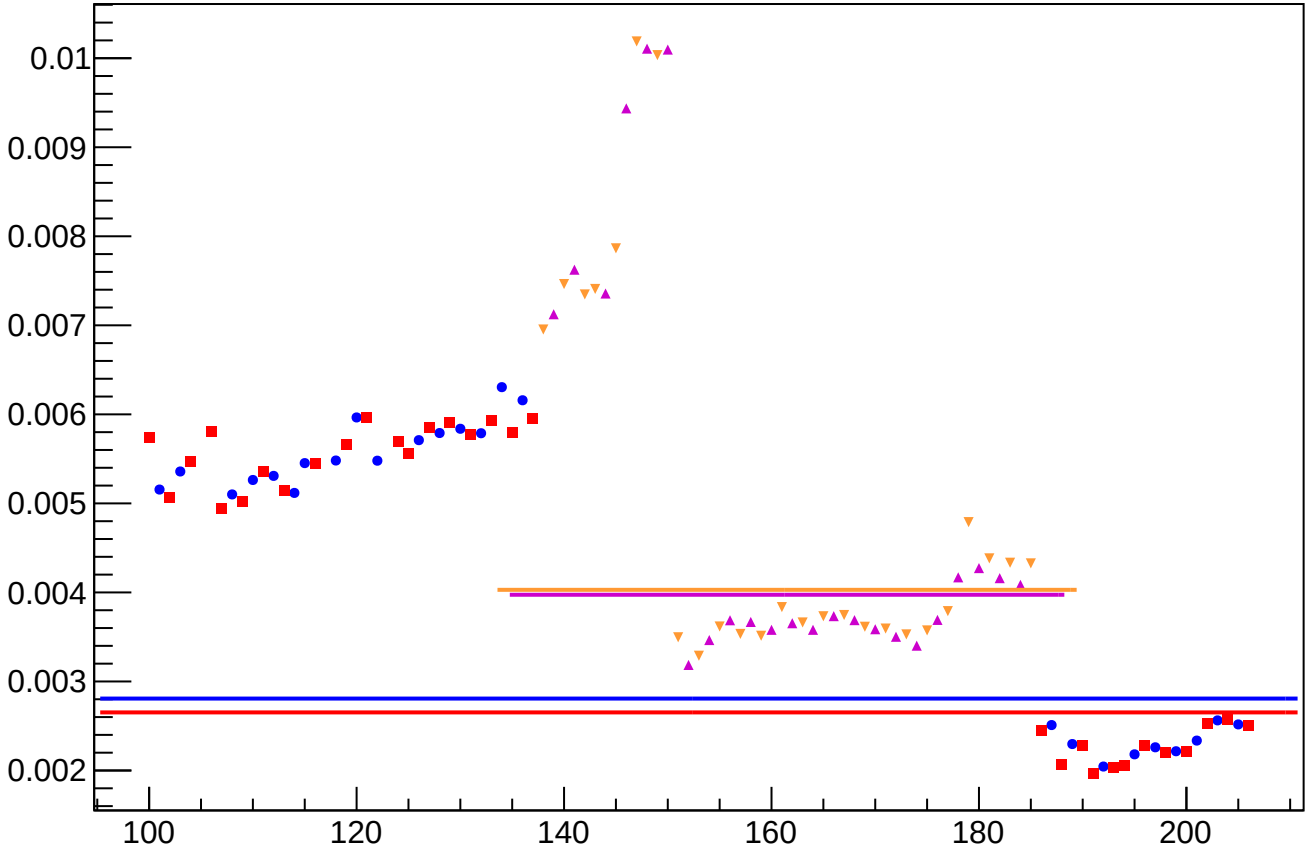
Left In: 0.618+/-0.000 χ^2/NDF:254248143278.9/22

+ sign 1.059+/-0.000 χ^2/NDF: 2158355031166.3/49

All: 1.050+/-0.000 χ^2/NDF: 4452868283985.

- sign 1.042+/-0.000 χ^2/NDF: 2294136463038.6/53

yield_bpm1i04Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 4329302.8/24

Left Out: 0.004+/-0.000 χ^2/NDF:2965028.8/24

Right Out: 0.003+/-0.000 χ^2/NDF: 4678236.8/30

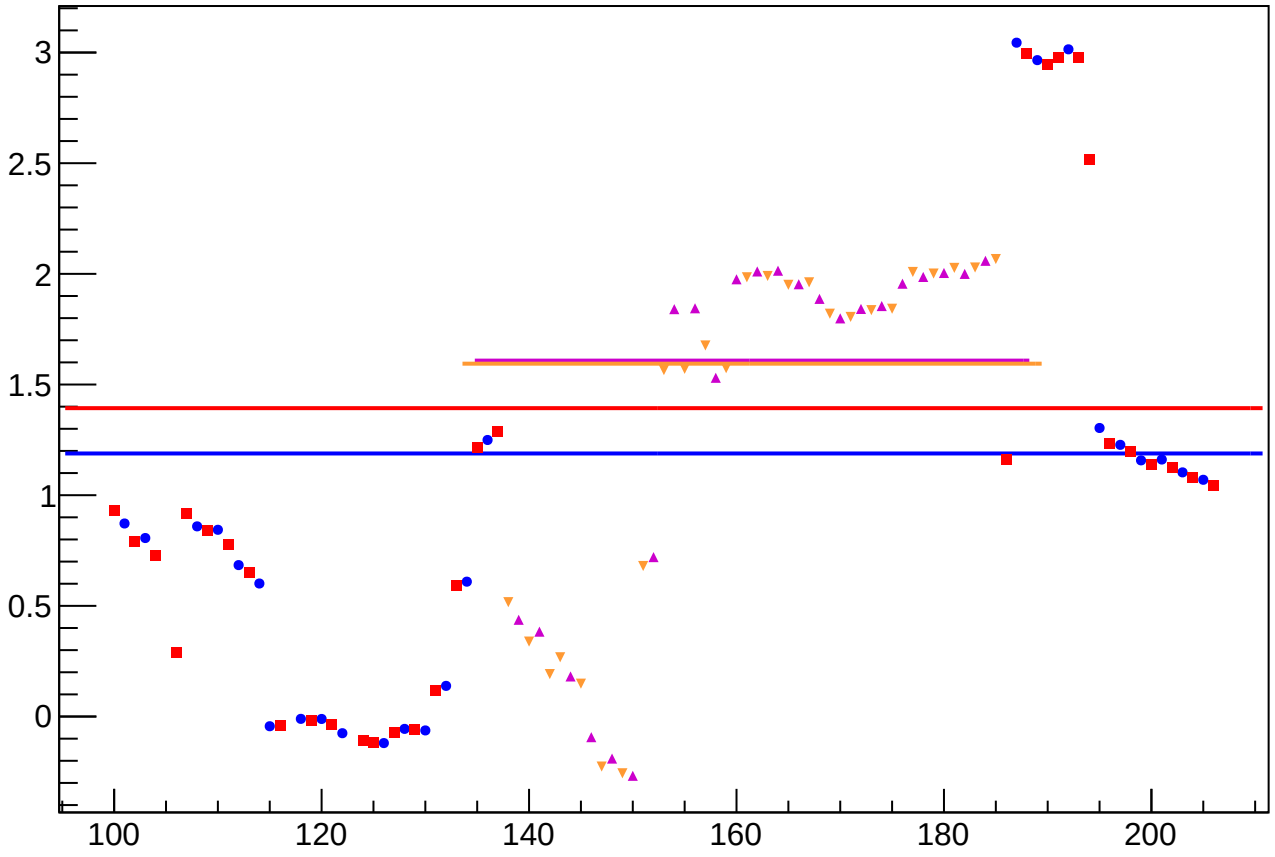
Left In: 0.004+/-0.000 χ^2/NDF:3121901.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 9111219.3/49

All: 0.003+/-0.000 χ^2/NDF: 19356223.5/103

- sign 0.003+/-0.000 χ^2/NDF: 10127739.5/53

yield_bpm1i06X_mean vs Slug



Right In: 1.189+/-0.000 χ^2/NDF: 77599784434.3/24

Left Out: 1.594+/-0.000 χ^2/NDF:62632055963.2/24

Right Out: 1.393+/-0.000 χ^2/NDF: 105628416409.1/30

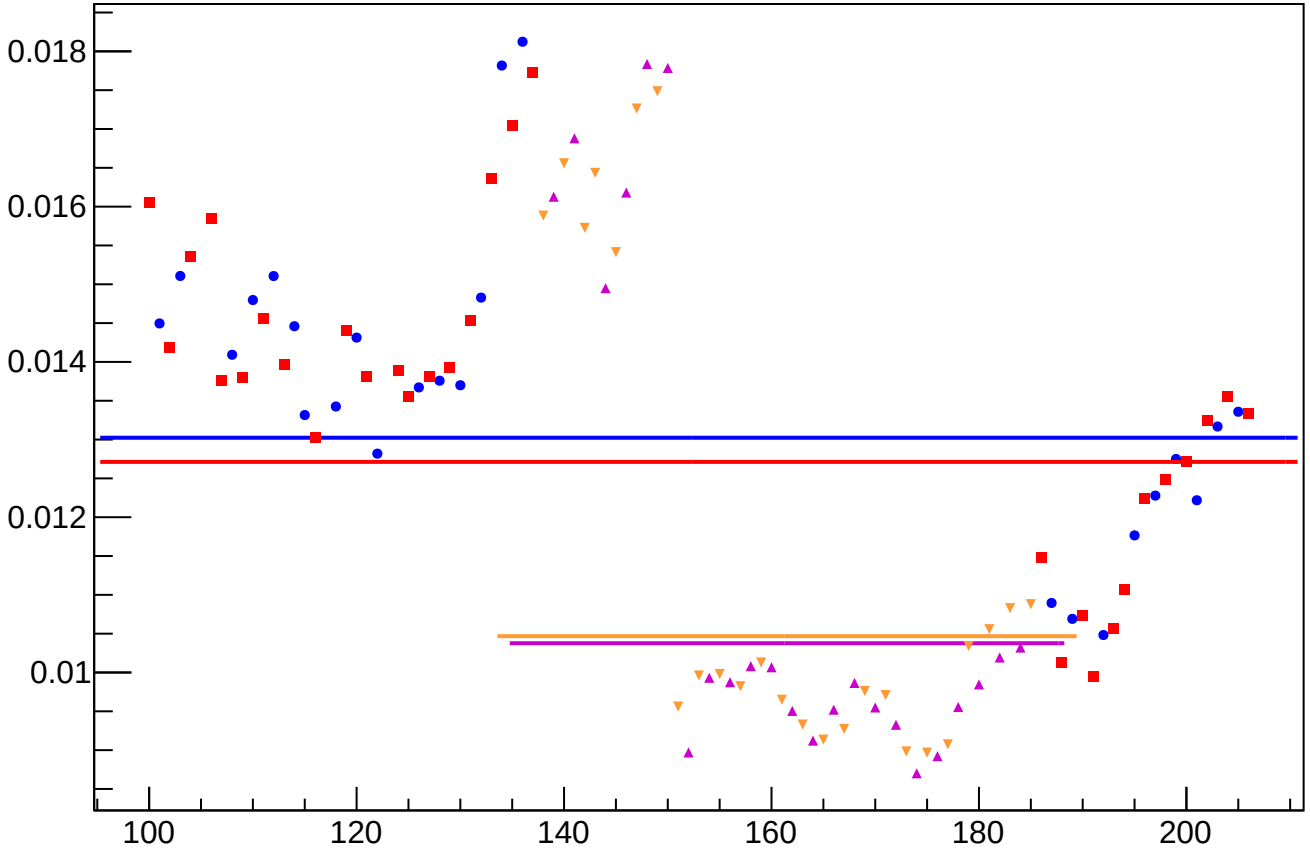
Left In: 1.608+/-0.000 χ^2/NDF:66403809503.4/22

+ sign 1.462+/-0.000 χ^2/NDF: 149178803119.6/49

All: 1.495+/-0.000 χ^2/NDF: 324548188295.4

- sign 1.527+/-0.000 χ^2/NDF: 174842916545.9/53

yield_bpm1i06X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 503095.9/24

Left Out: 0.010+/-0.000 χ^2/NDF:1661211.8/24

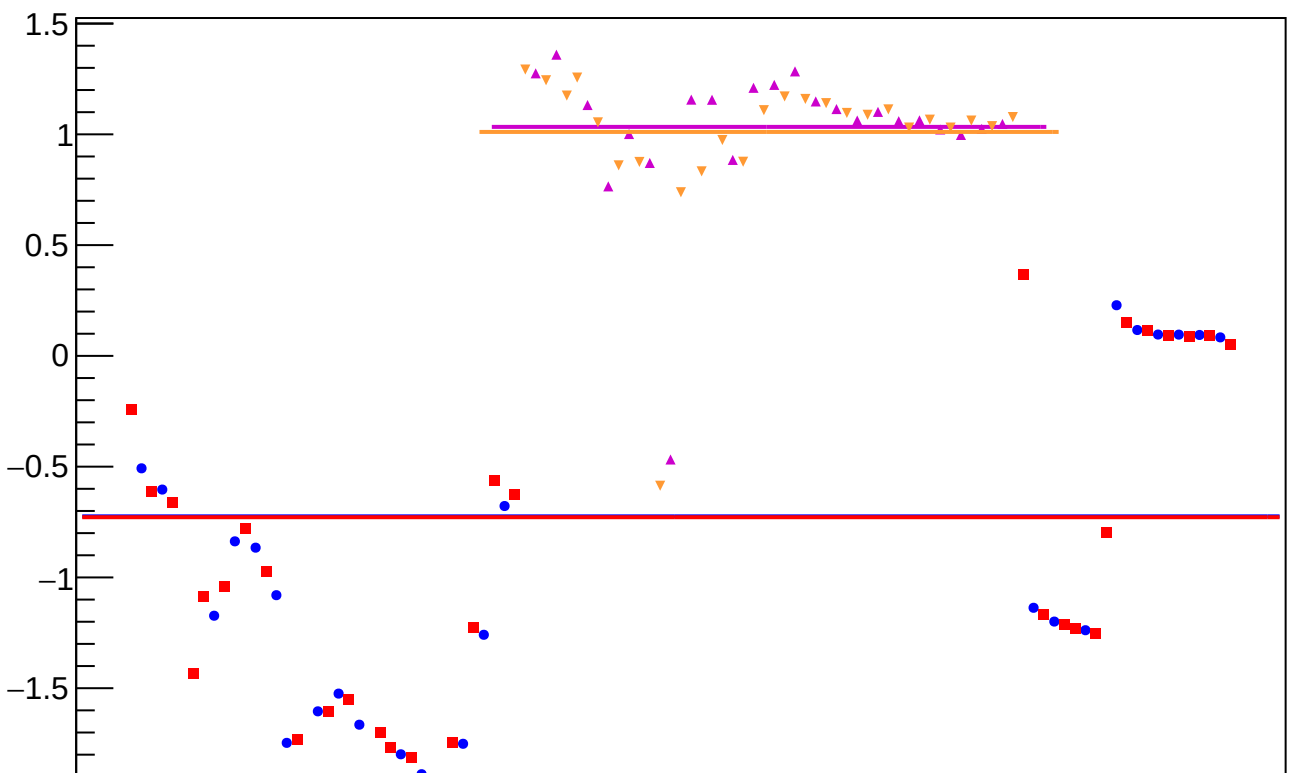
Right Out: 0.013+/-0.000 χ^2/NDF: 605632.4/30

Left In: 0.010+/-0.000 χ^2/NDF:1710541.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2874664.7/49

All: 0.011+/-0.000 χ^2/NDF: 5855999.7/103

- sign 0.011+/-0.000 χ^2/NDF: 2980983.7/53



Right In: -0.724+/-0.000 χ^2/NDF: 171375997397.5/24

Left Out: 1.011+/-0.000 χ^2/NDF:111188616245.0/24

Right Out: -0.728+/-0.000 χ^2/NDF: 169163024599.5/30

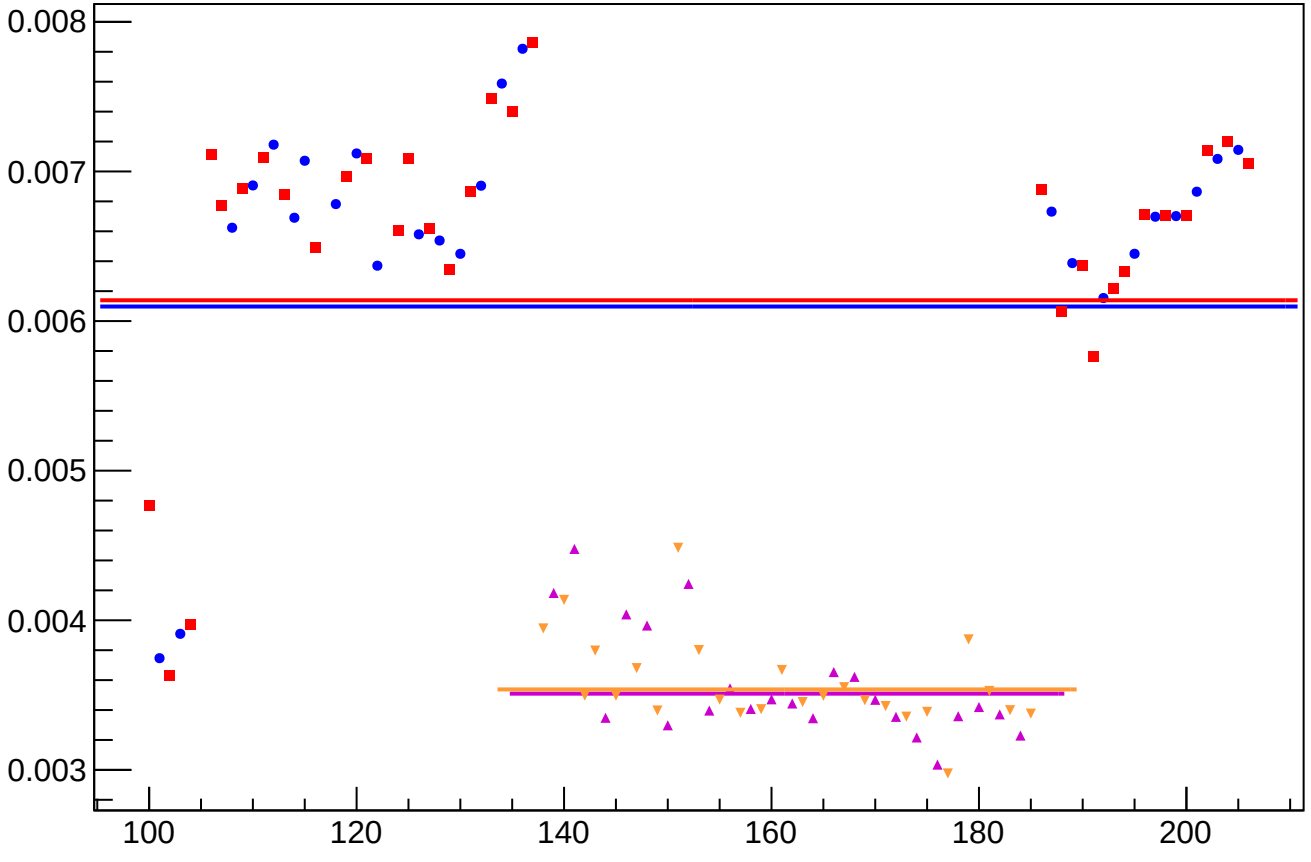
Left In: 1.034+/-0.000 χ^2/NDF:125385050389.9/22

+ sign 0.669+/-0.000 χ^2/NDF: 1116913828503.1/49

All: 0.650+/-0.000 χ^2/NDF: 2365055929981.

- sign 0.632+/-0.000 χ^2/NDF: 1246958451840.9/53

yield_bpm1i06Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 1140381.8/24

Left Out: 0.004+/-0.000 χ^2/NDF:215725.1/24

Right Out: 0.006+/-0.000 χ^2/NDF: 1216398.6/30

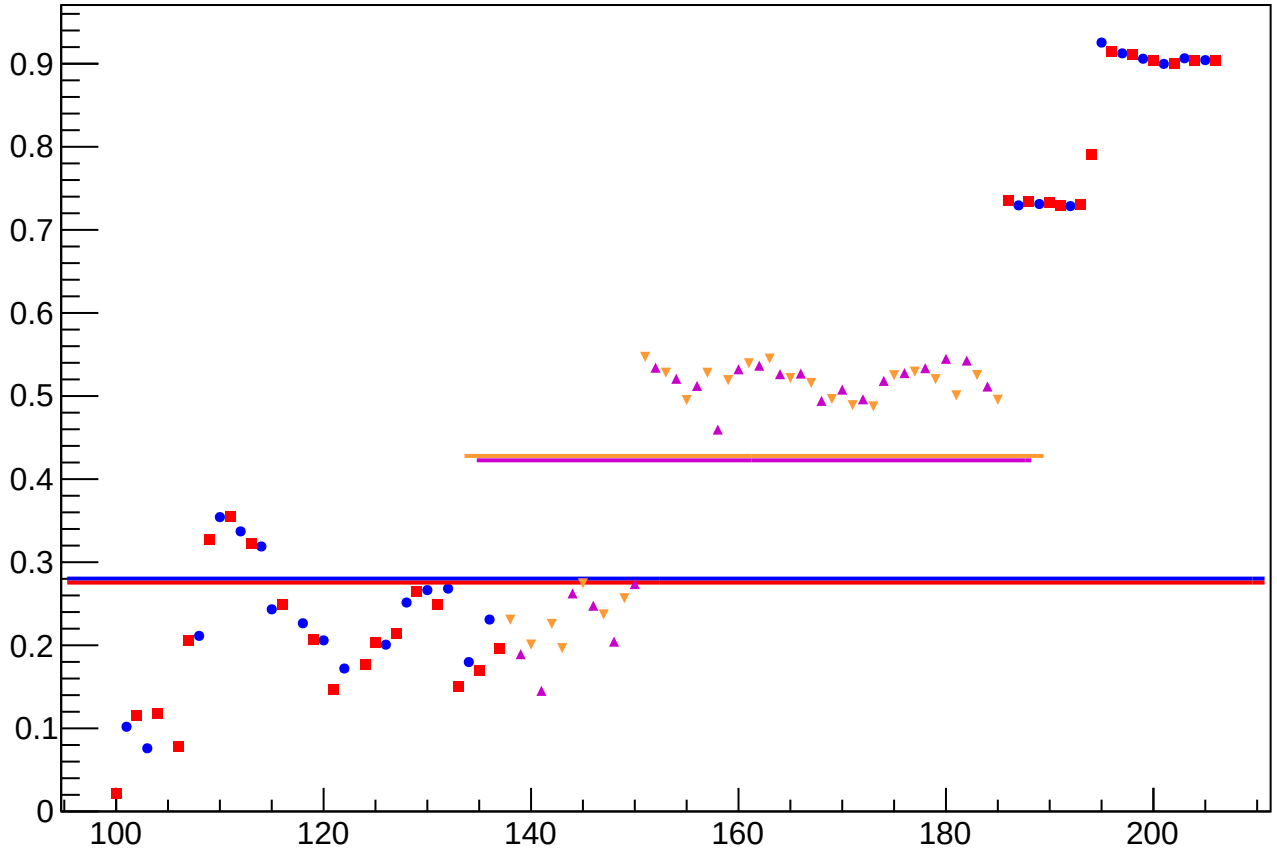
Left In: 0.004+/-0.000 χ^2/NDF:284960.7/22

+ sign 0.004+/-0.000 χ^2/NDF: 4986610.2/49

All: 0.004+/-0.000 χ^2/NDF: 10738476.3/103

- sign 0.004+/-0.000 χ^2/NDF: 5744129.7/53

yield_bpm2i01X_mean vs Slug



Right In: 0.280+/-0.000 χ^2/NDF: 155569816569.4/24

Left Out: 0.428+/-0.000 χ^2/NDF:153820853539.2/24

Right Out: 0.275+/-0.000 χ^2/NDF: 194653985214.7/30

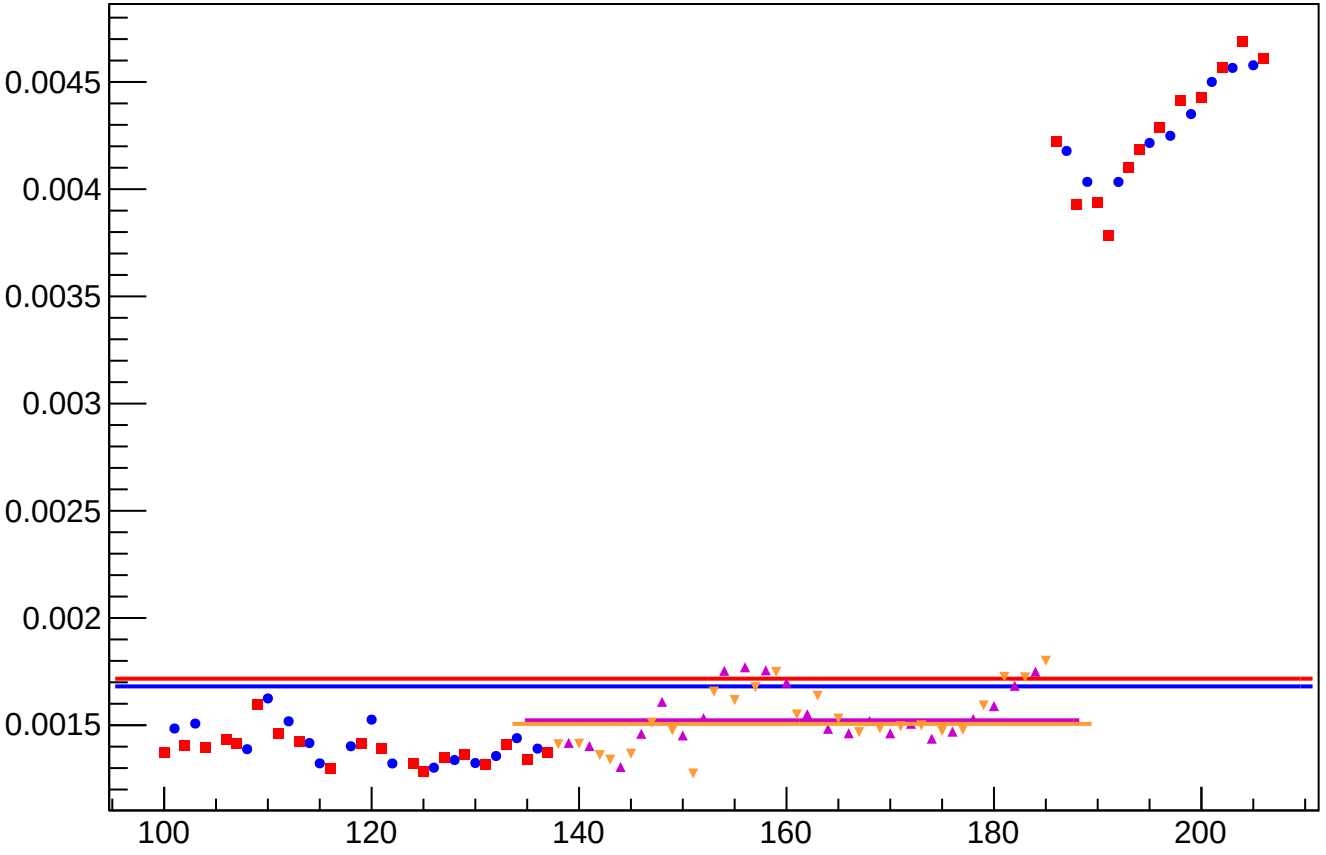
Left In: 0.423+/-0.000 χ^2/NDF:158122093061.2/22

+ sign 0.381+/-0.000 χ^2/NDF: 367227880088.3/49

All: 0.376+/-0.000 χ^2/NDF: 780438634579.5

- sign 0.370+/-0.000 χ^2/NDF: 412476131380.7/53

yield_bpm2i01X_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 5663606.2/24

Left Out: 0.002+/-0.000 χ^2/NDF:278895.8/24

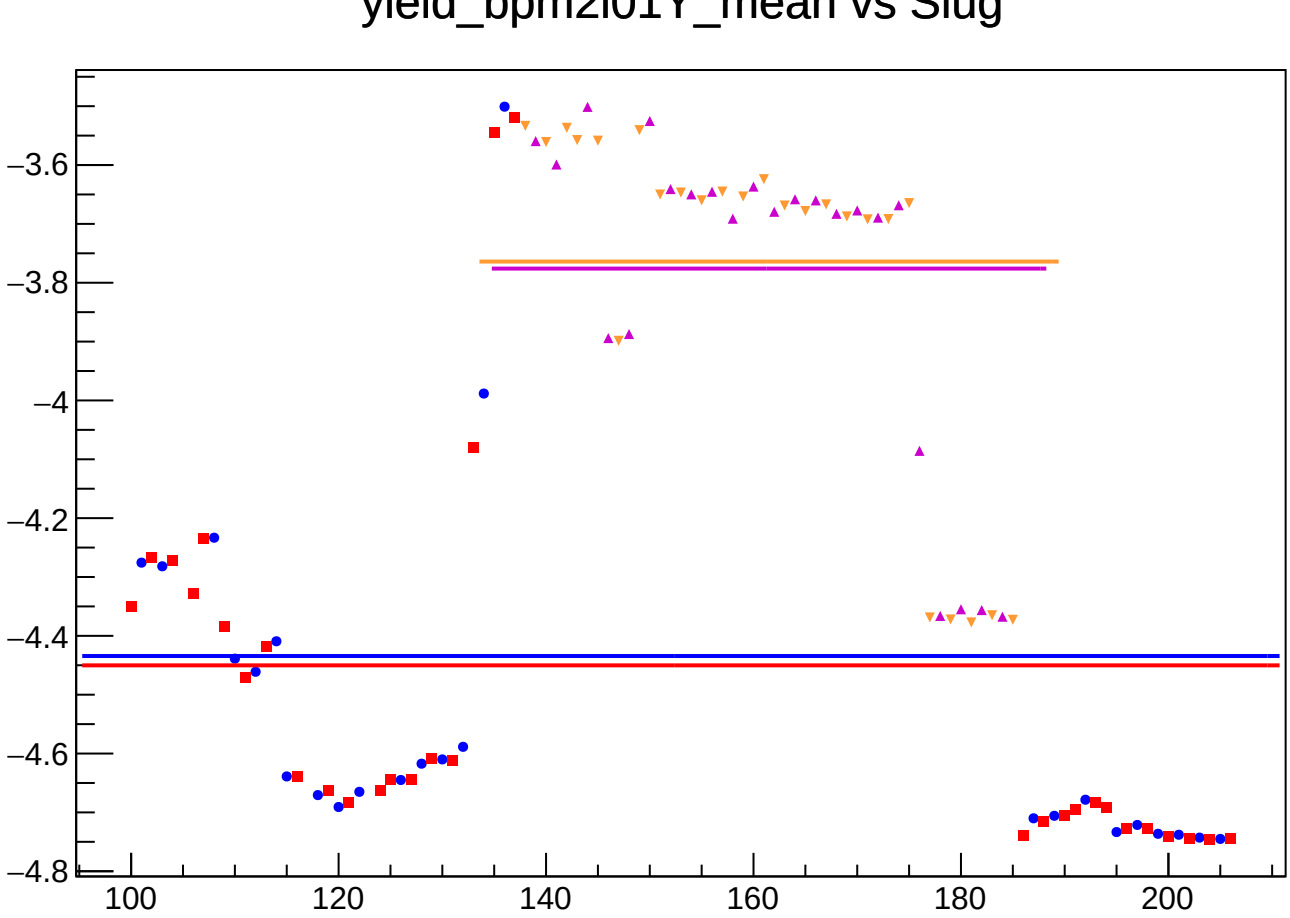
Right Out: 0.002+/-0.000 χ^2/NDF: 7295767.8/30

Left In: 0.002+/-0.000 χ^2/NDF:234679.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 6104600.0/49

All: 0.002+/-0.000 χ^2/NDF: 13854154.0/103

- sign 0.002+/-0.000 χ^2/NDF: 7738251.3/53



Right In: -4.434+/-0.000 χ^2/NDF: 416907293973.2/24

Left Out: -3.764+/-0.000 χ^2/NDF:483461311370.8/24

Right Out: -4.450+/-0.000 χ^2/NDF: 374303617358.3/30

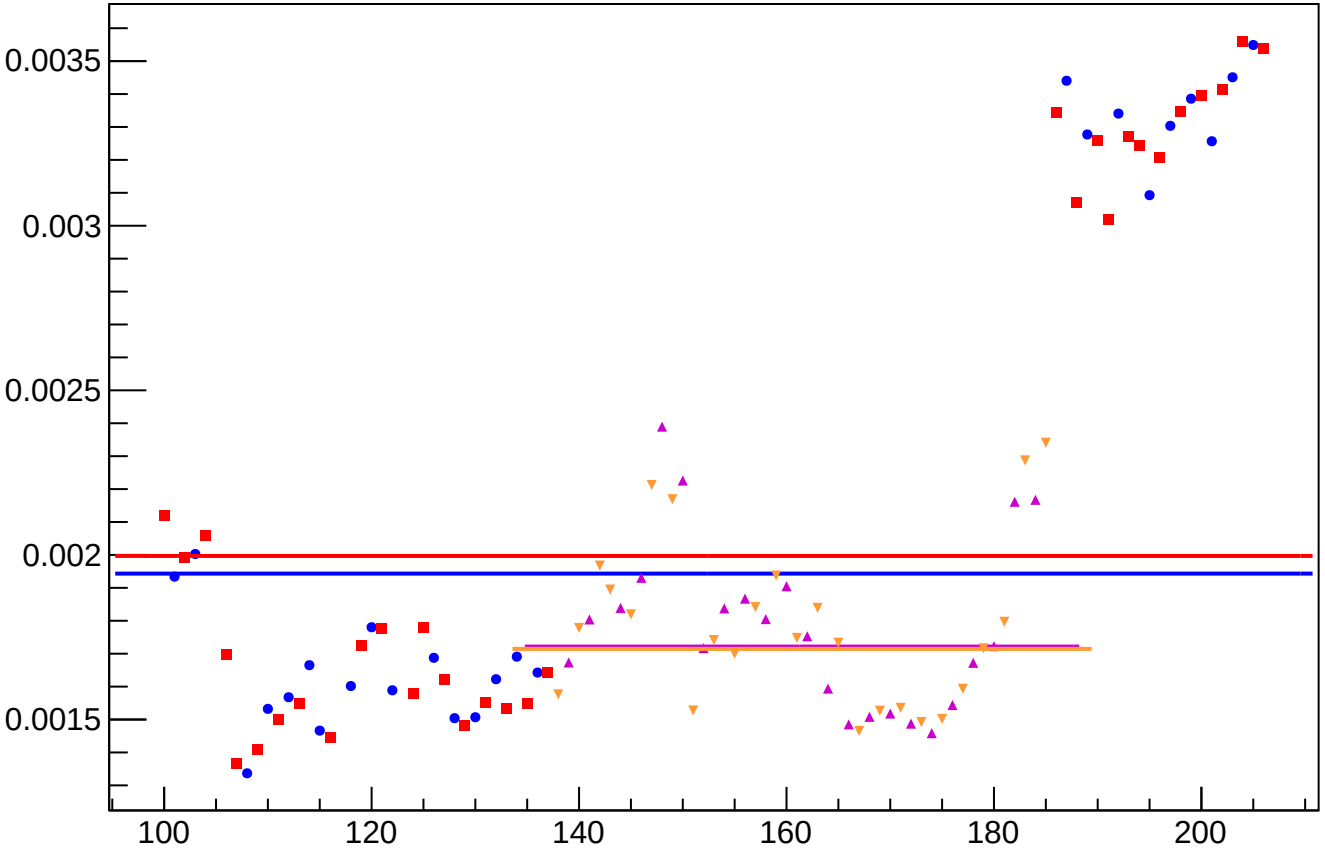
Left In: -3.776+/-0.000 χ^2/NDF:402659987166.3/22

+ sign -3.991+/-0.000 χ^2/NDF: 1859805779179.7/4

All: -4.010+/-0.000 χ^2/NDF: 365379330872

- sign -4.029+/-0.000 χ^2/NDF: 1787199008816.2/53

yield_bpm2i01Y_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3051468.9/24

Left Out: 0.002+/-0.000 χ^2/NDF:562338.1/24

Right Out: 0.002+/-0.000 χ^2/NDF: 3852153.9/30

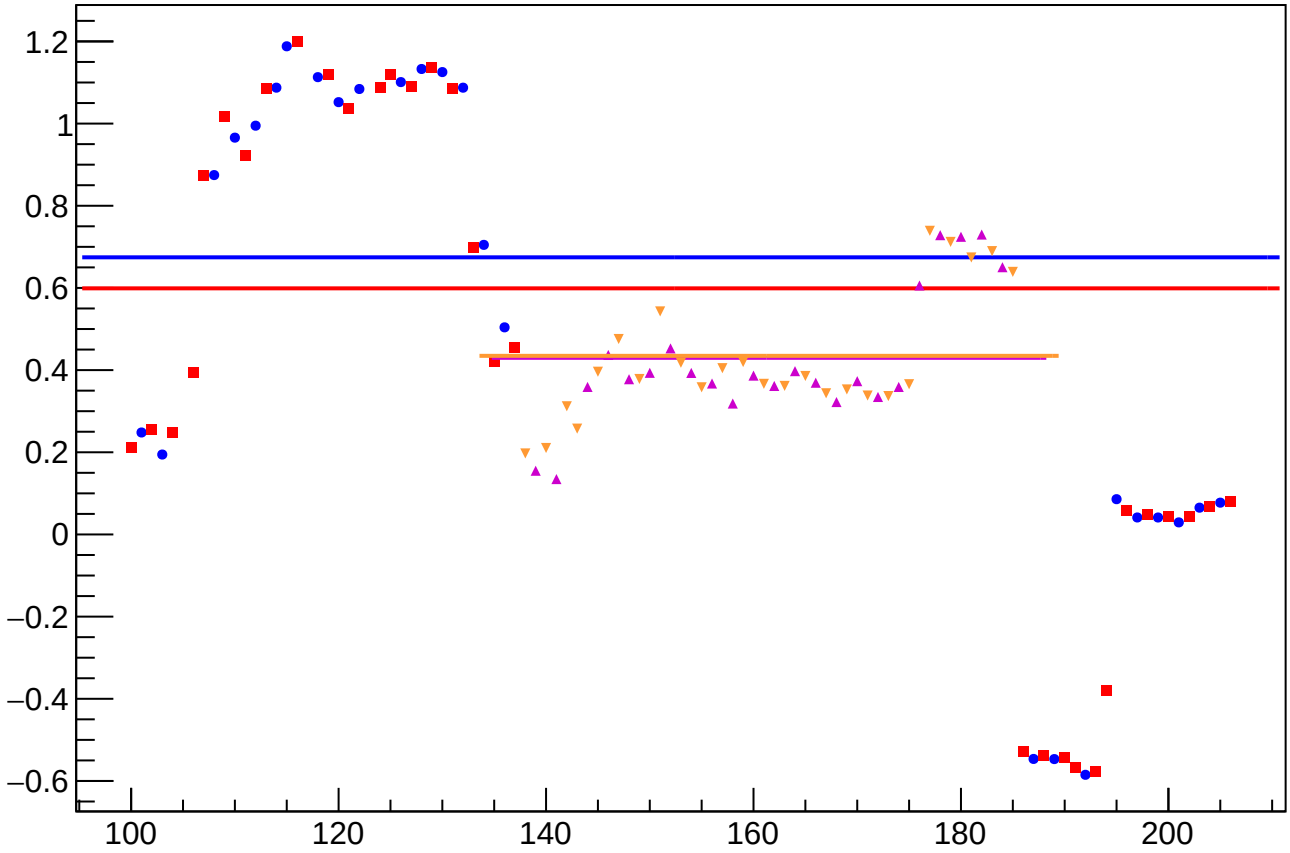
Left In: 0.002+/-0.000 χ^2/NDF:581878.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 3837171.8/49

All: 0.002+/-0.000 χ^2/NDF: 8618357.4/103

- sign 0.002+/-0.000 χ^2/NDF: 4770929.2/53

yield_bpm2i02X_mean vs Slug



Right In: 0.674+/-0.000 χ^2/NDF: 63934253920.7/24

Left Out: 0.435+/-0.000 χ^2/NDF:8515333254.7/24

Right Out: 0.599+/-0.000 χ^2/NDF: 86843714019.7/30

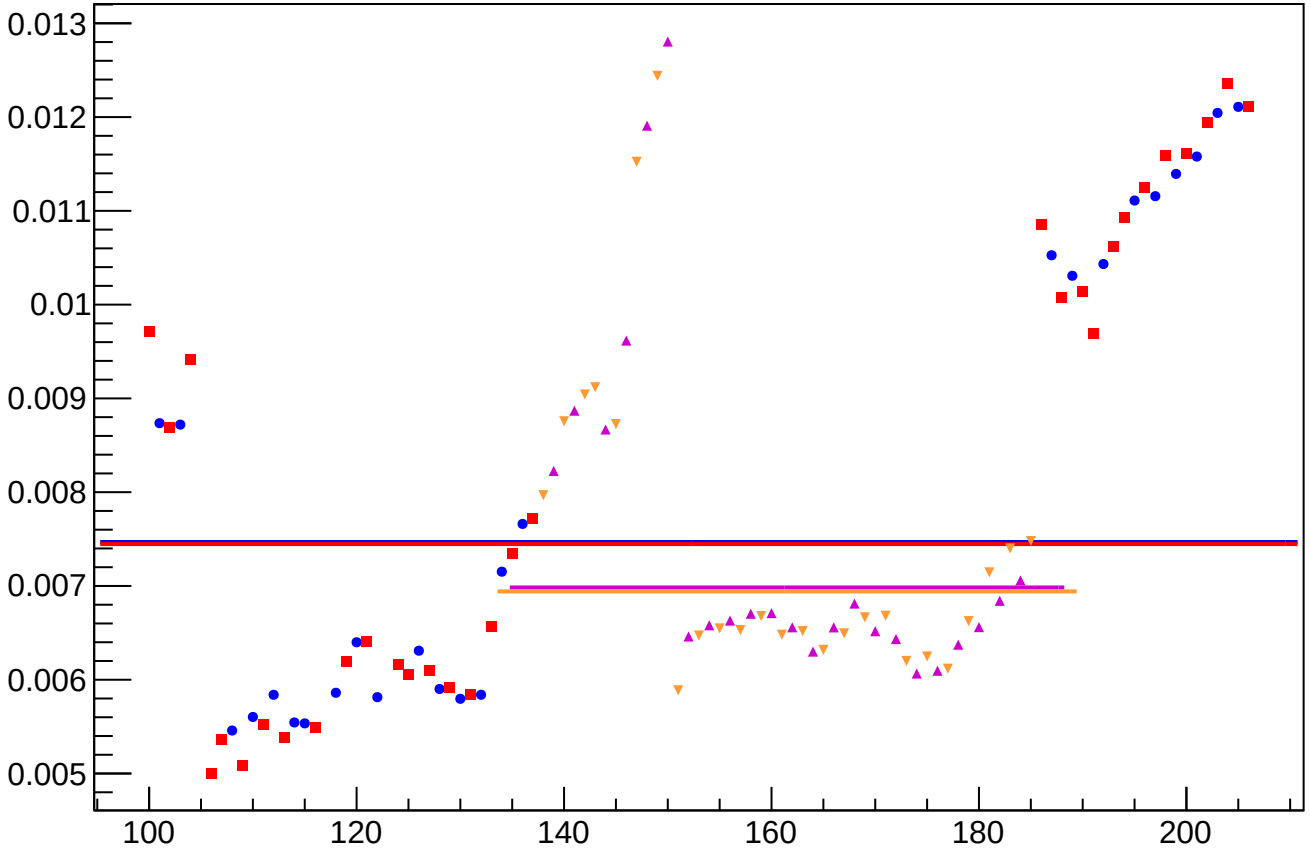
Left In: 0.430+/-0.000 χ^2/NDF:9041195997.1/22

+ sign 0.524+/-0.000 χ^2/NDF: 80746780629.6/49

All: 0.513+/-0.000 χ^2/NDF: 181177644330.0

- sign 0.502+/-0.000 χ^2/NDF: 100274645910.2/53

yield_bpm2i02X_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 2360546.9/24

Left Out: 0.007+/-0.000 χ^2/NDF:1090916.4/24

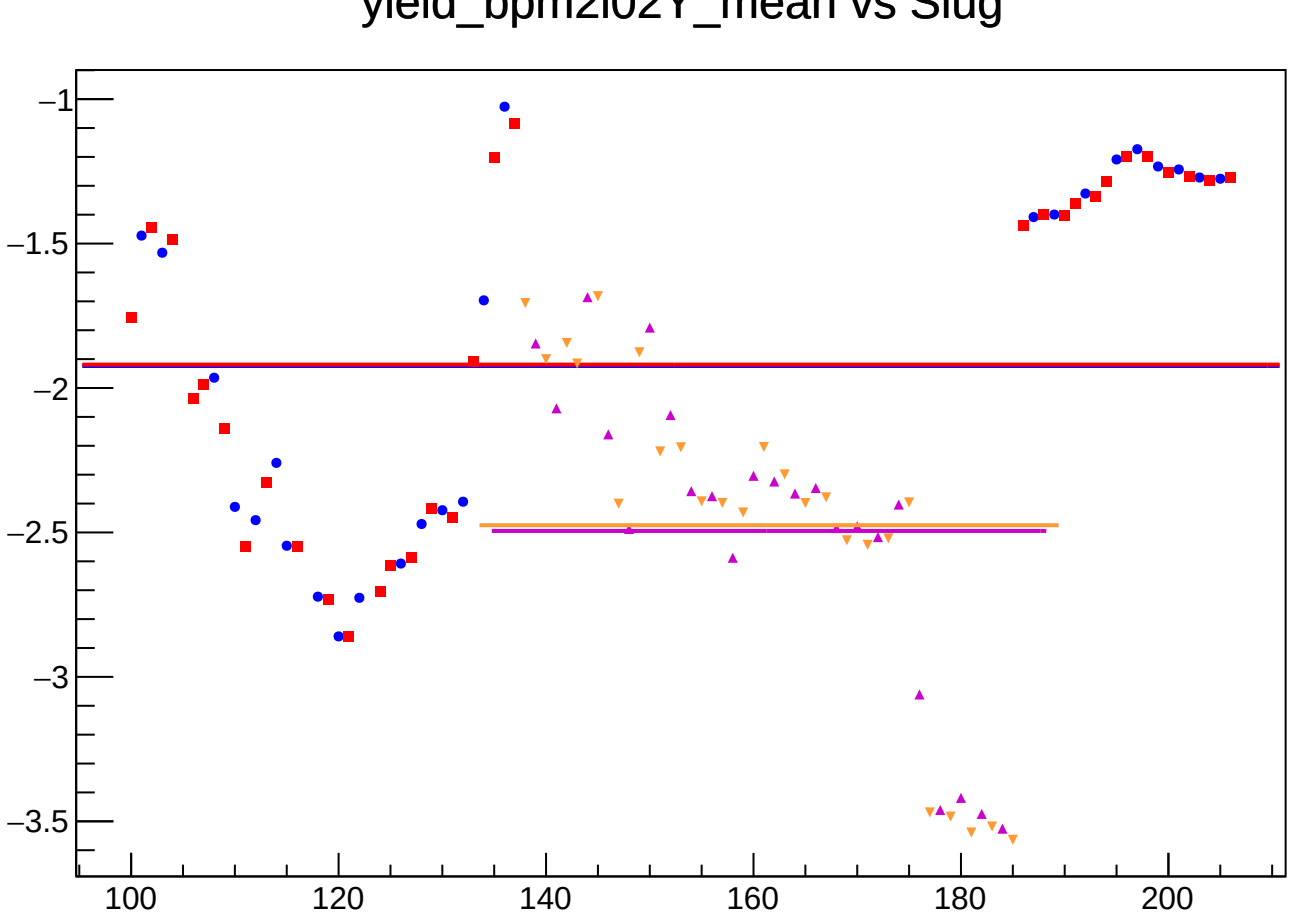
Right Out: 0.007+/-0.000 χ^2/NDF: 3204735.7/30

Left In: 0.007+/-0.000 χ^2/NDF:1136529.0/22

+ sign 0.007+/-0.000 χ^2/NDF: 3531634.8/49

All: 0.007+/-0.000 χ^2/NDF: 7939698.1/103

- sign 0.007+/-0.000 χ^2/NDF: 4406964.4/53



Right In: -1.924+/-0.000 χ^2/NDF: 105169401996.1/24

Left Out: -2.475+/-0.000 χ^2/NDF:122955897541.5/24

Right Out: -1.919+/-0.000 χ^2/NDF: 106379527329.4/30

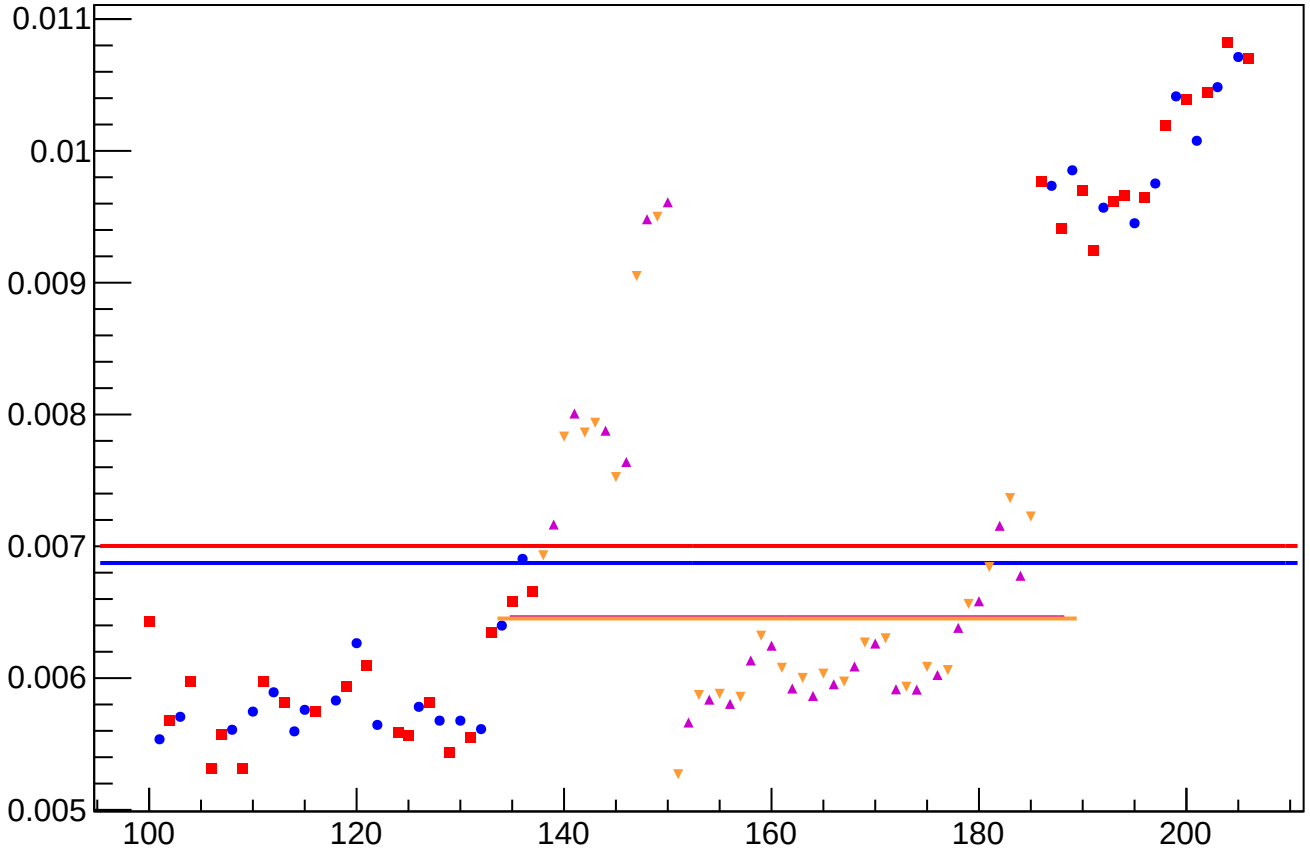
Left In: -2.495+/-0.000 χ^2/NDF:96774638297.6/22

+ sign -2.266+/-0.000 χ^2/NDF: 280535557442.7/49

All: -2.259+/-0.000 χ^2/NDF: 543535772411.3

- sign -2.253+/-0.000 χ^2/NDF: 262938791623.0/53

yield_bpm2i02Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 1852009.0/24

Left Out: 0.006+/-0.000 χ^2/NDF:713238.0/24

Right Out: 0.007+/-0.000 χ^2/NDF: 2350379.2/30

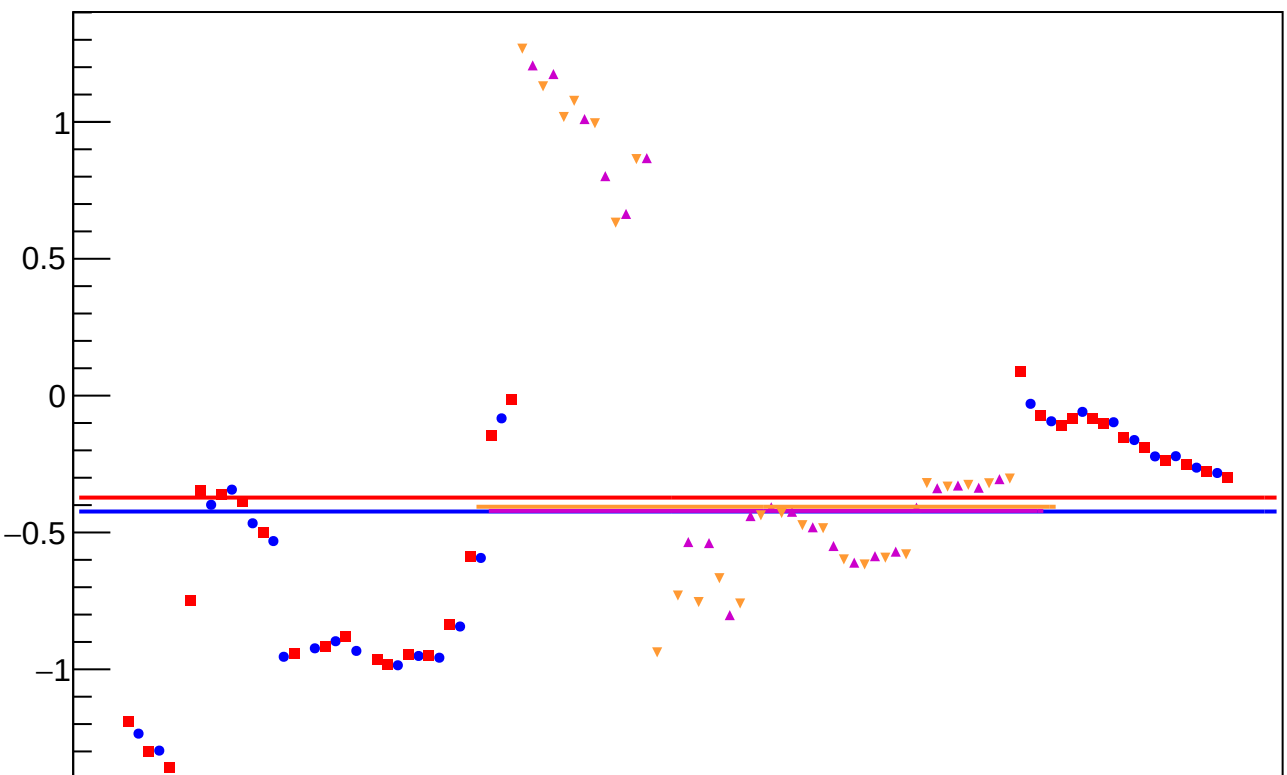
Left In: 0.006+/-0.000 χ^2/NDF:720640.7/22

+ sign 0.007+/-0.000 χ^2/NDF: 2626403.9/49

All: 0.007+/-0.000 χ^2/NDF: 5807391.6/103

- sign 0.007+/-0.000 χ^2/NDF: 3176661.6/53

yield_bpm0i01X_mean vs Slug



Right In: -0.423+/-0.000 χ^2/NDF: 23901946503.4/24

Left Out: -0.406+/-0.000 χ^2/NDF:81633647828.2/24

Right Out: -0.373+/-0.000 χ^2/NDF: 27041378658.4/30

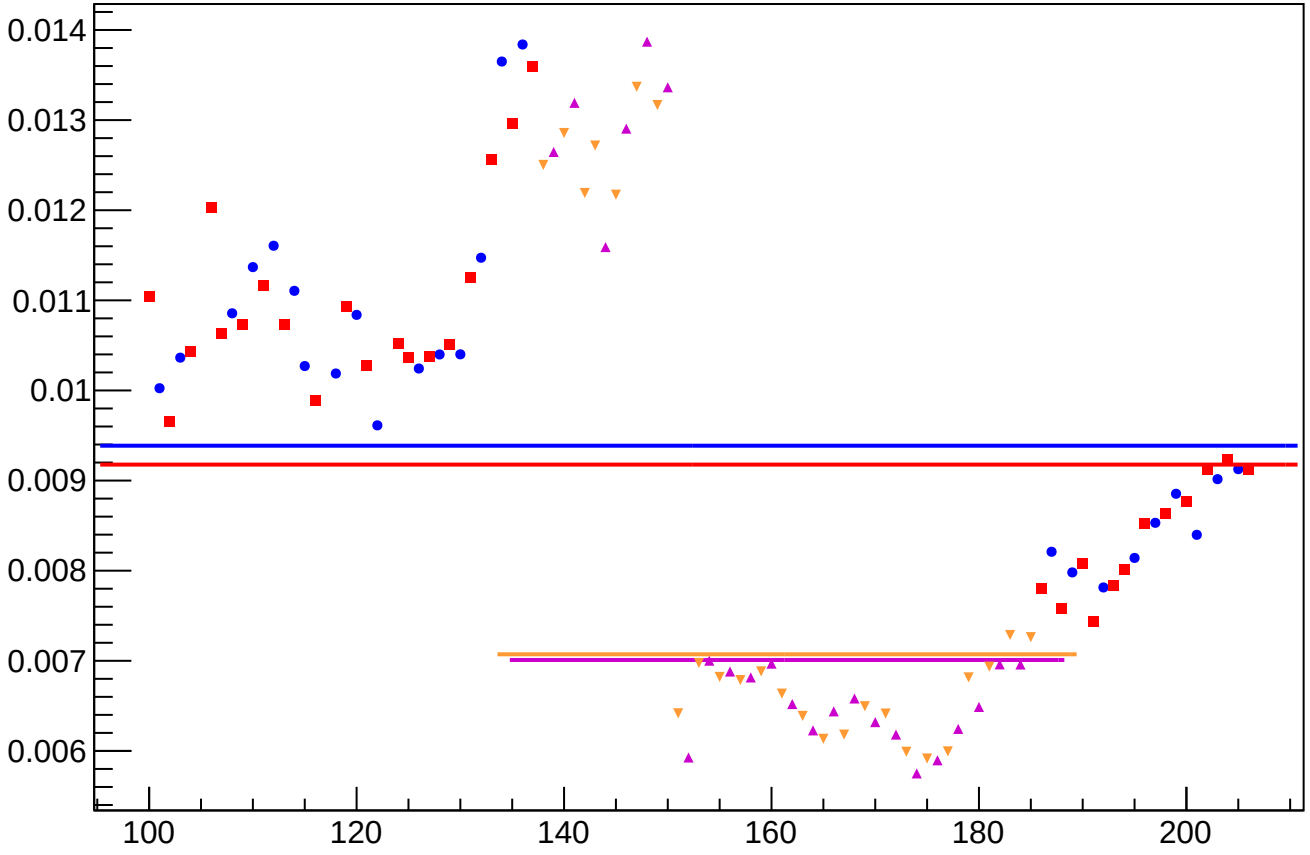
Left In: -0.421+/-0.000 χ^2/NDF:90241717621.7/22

+ sign -0.411+/-0.000 χ^2/NDF: 105568317395.9/49

All: -0.408+/-0.000 χ^2/NDF: 223151483195.1

- sign -0.404+/-0.000 χ^2/NDF: 117569378634.0/53

yield_bpm0i01X_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 626737.7/24

Left Out: 0.007+/-0.000 χ^2/NDF:2384159.5/24

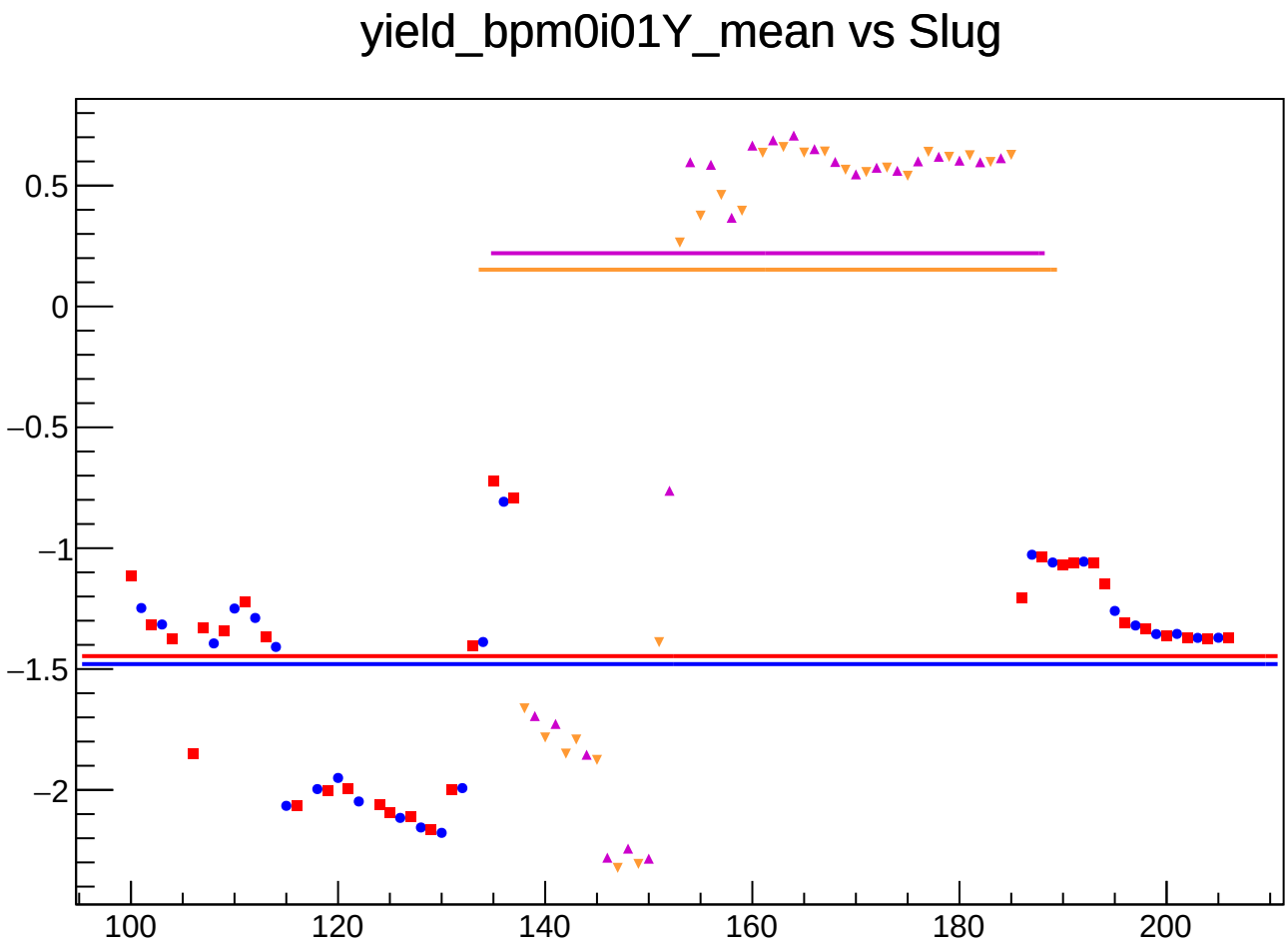
Right Out: 0.009+/-0.000 χ^2/NDF: 675348.2/30

Left In: 0.007+/-0.000 χ^2/NDF:2456348.6/22

+ sign 0.008+/-0.000 χ^2/NDF: 4159578.2/49

All: 0.008+/-0.000 χ^2/NDF: 8427912.5/103

- sign 0.008+/-0.000 χ^2/NDF: 4268312.6/53



Right In: -1.480+/-0.000 χ^2/NDF: 182697122234.0/24

Left Out: 0.152+/-0.000 χ^2/NDF:2398778835341.2/24

Right Out: -1.447+/-0.000 χ^2/NDF: 172229976073.0/30

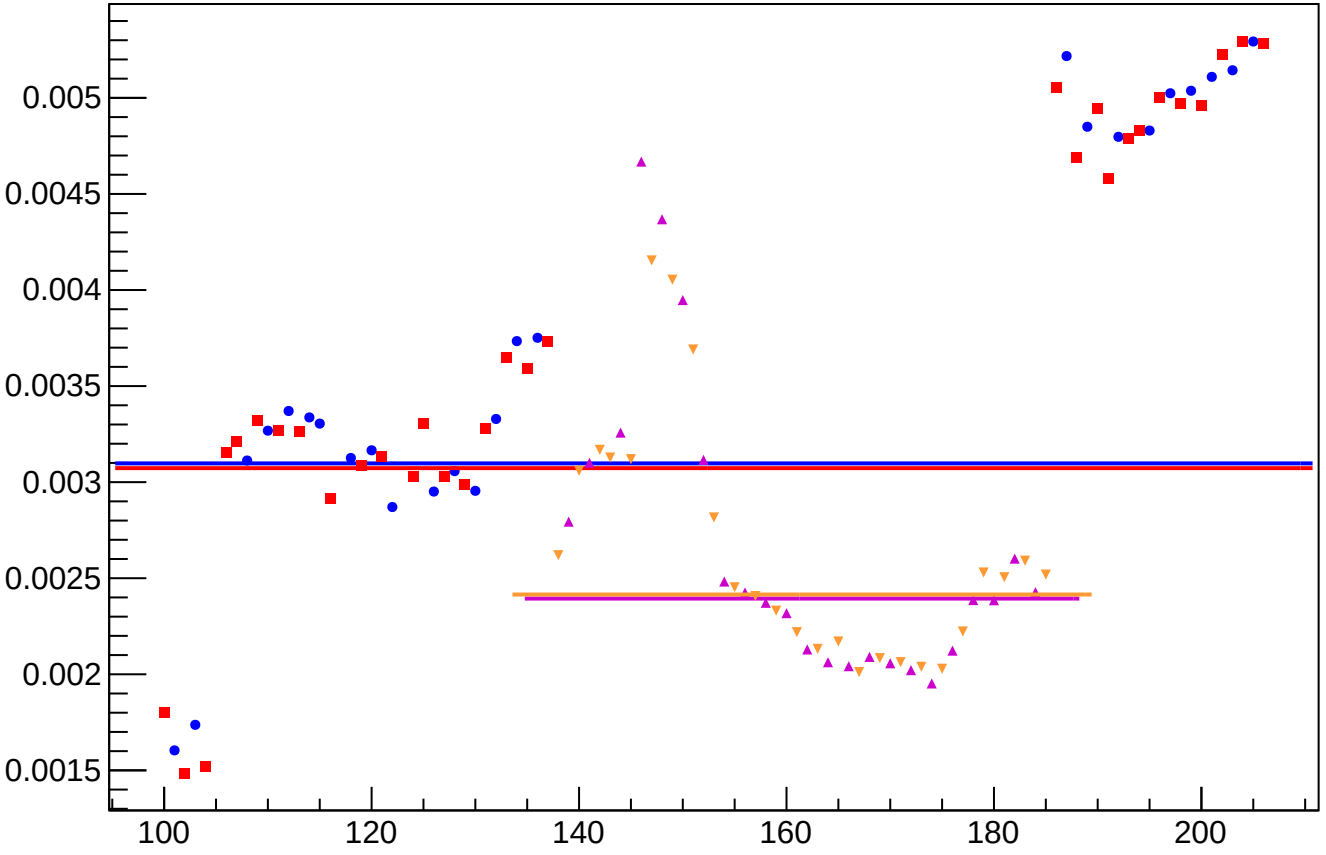
Left In: 0.220+/-0.000 χ^2/NDF:2121977245985.6/22

+ sign -0.320+/-0.000 χ^2/NDF: 4837346807597.2/4

All: -0.325+/-0.000 χ^2/NDF: 9682689410445

- sign -0.329+/-0.000 χ^2/NDF: 4845191047212.0/53

yield_bpm0i01Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 3665700.5/24

Left Out: 0.002+/-0.000 χ^2/NDF:1220406.4/24

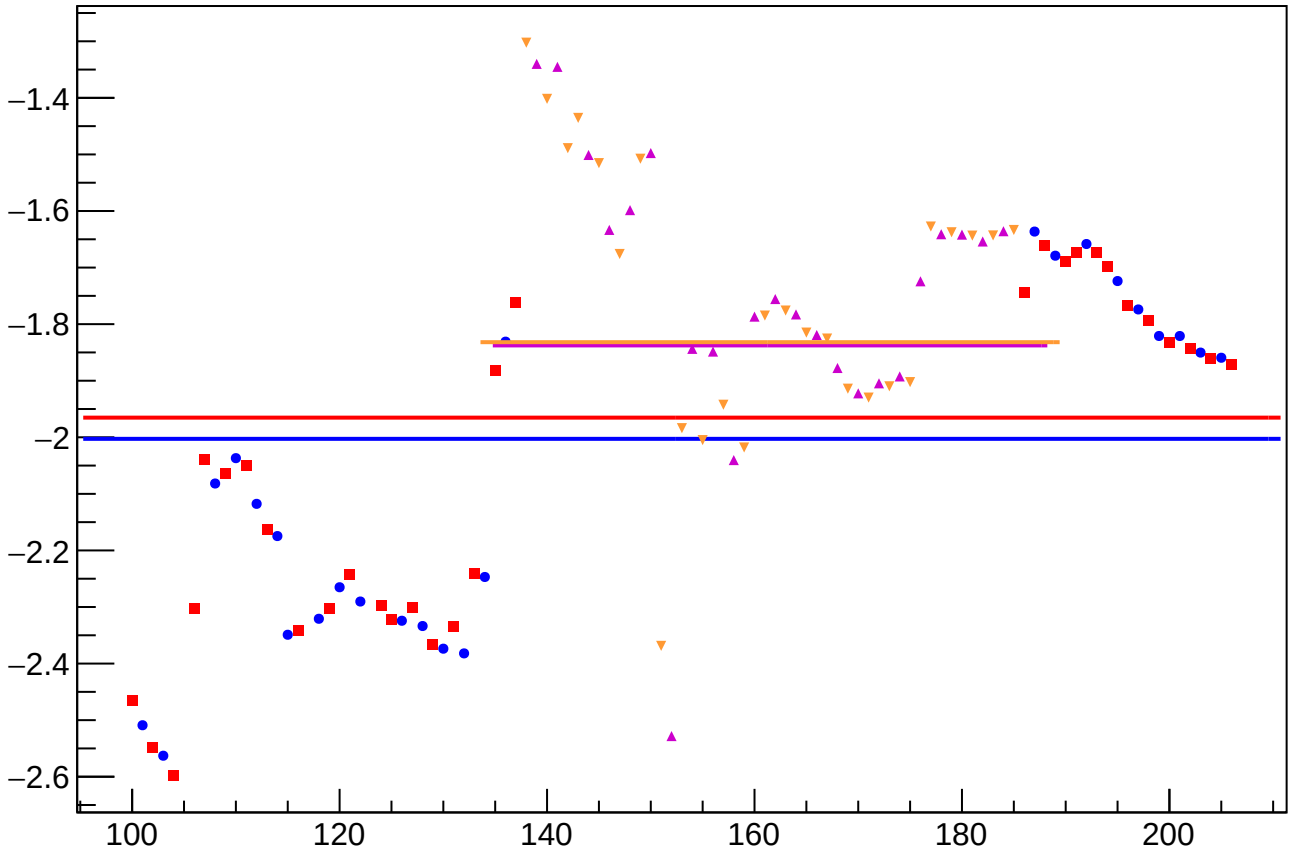
Right Out: 0.003+/-0.000 χ^2/NDF: 5015078.2/30

Left In: 0.002+/-0.000 χ^2/NDF:1409595.4/22

+ sign 0.003+/-0.000 χ^2/NDF: 5675373.0/49

All: 0.003+/-0.000 χ^2/NDF: 12946515.3/103

- sign 0.003+/-0.000 χ^2/NDF: 7271042.8/53



Right In: -2.003+/-0.000 χ^2/NDF: 32609945861.0/24

Left Out: -1.832+/-0.000 χ^2/NDF:38365576589.1/24

Right Out: -1.965+/-0.000 χ^2/NDF: 37356303029.5/30

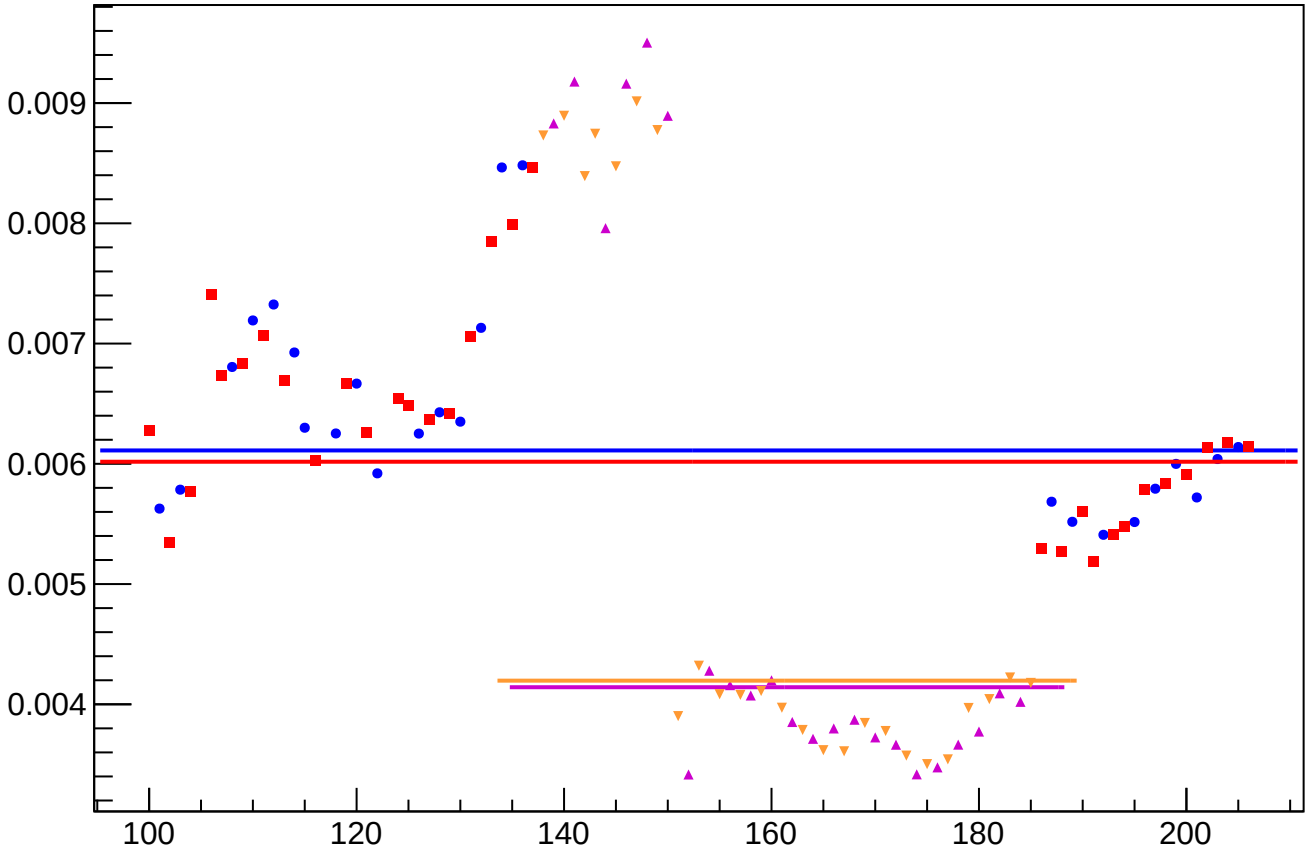
Left In: -1.838+/-0.000 χ^2/NDF:53437434367.2/22

+ sign -1.878+/-0.000 χ^2/NDF: 78688965560.5/49

All: -1.878+/-0.000 χ^2/NDF: 174339234123.

- sign -1.878+/-0.000 χ^2/NDF: 95650261824.5/53

yield_bpm0i01aX_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 365653.1/24

Left Out: 0.004+/-0.000 χ^2/NDF:3091489.2/24

Right Out: 0.006+/-0.000 χ^2/NDF: 380318.7/30

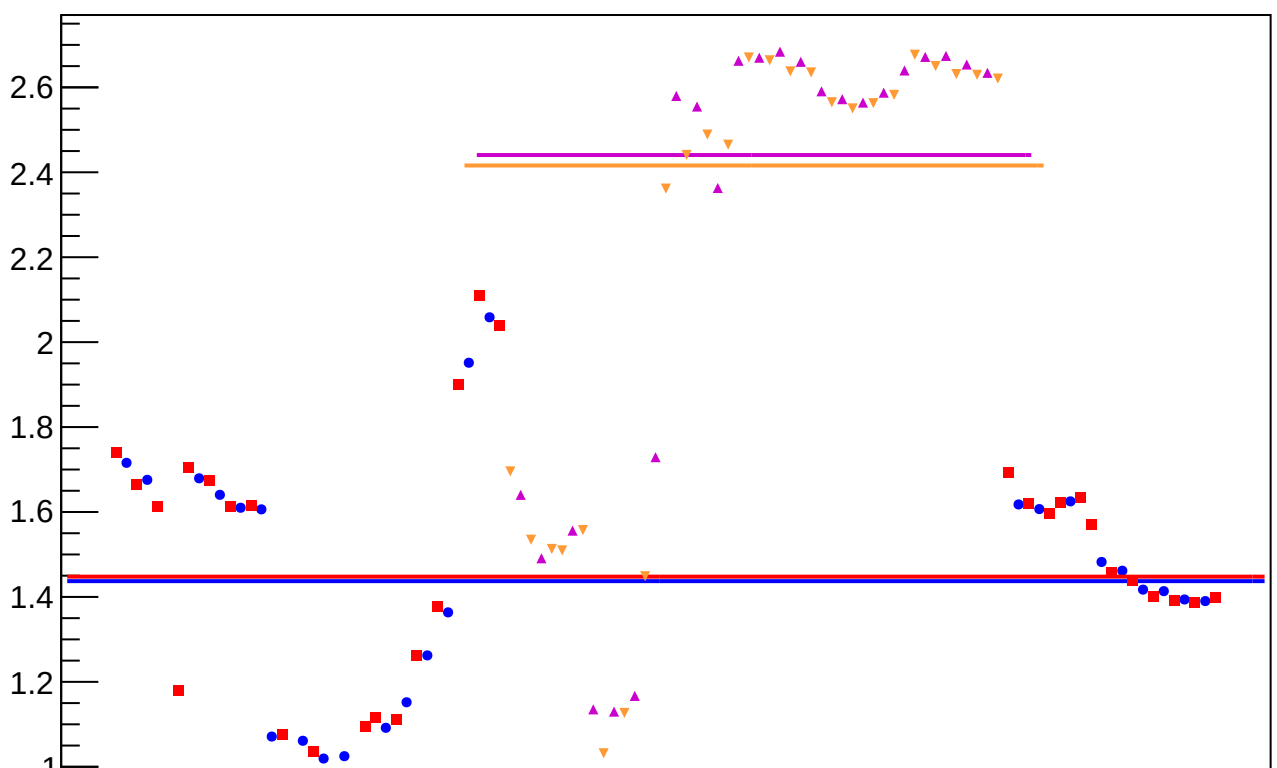
Left In: 0.004+/-0.000 χ^2/NDF:3193924.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 5393653.7/49

All: 0.005+/-0.000 χ^2/NDF: 11064597.1/103

- sign 0.005+/-0.000 χ^2/NDF: 5670340.5/53

yield_bpm0i01aY_mean vs Slug



Right In: 1.437+/-0.000 χ^2/NDF: 191422723181.6/24

Left Out: 2.416+/-0.000 χ^2/NDF:242949391498.0/24

Right Out: 1.448+/-0.000 χ^2/NDF: 186627292583.6/30

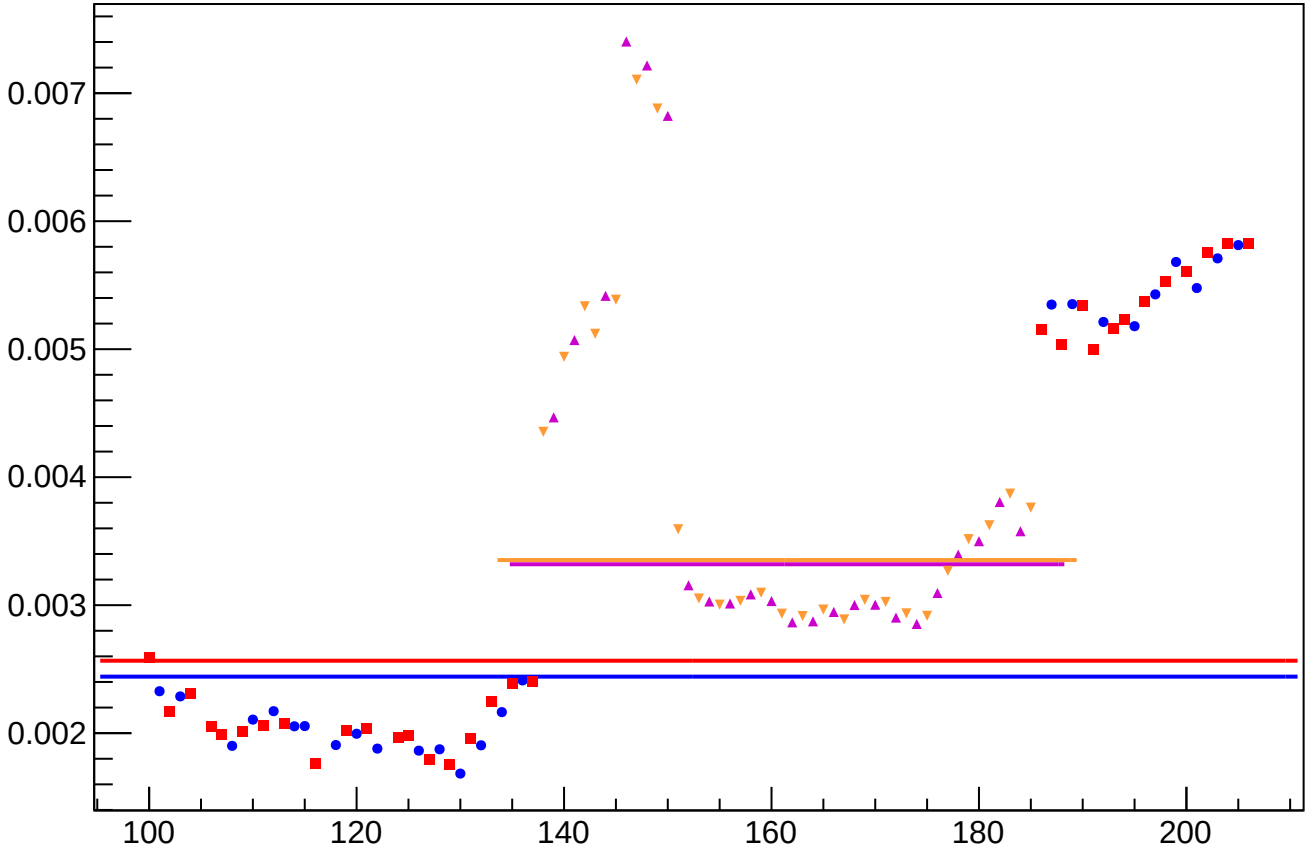
Left In: 2.441+/-0.000 χ^2/NDF:231724954471.8/22

+ sign 1.883+/-0.000 χ^2/NDF: 1243563741519.0/49

All: 1.881+/-0.000 χ^2/NDF: 2488922261753.

- sign 1.879+/-0.000 χ^2/NDF: 1245318070967.1/53

yield_bpm0i01aY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4891681.0/24

Left Out: 0.003+/-0.000 χ^2/NDF:1819921.4/24

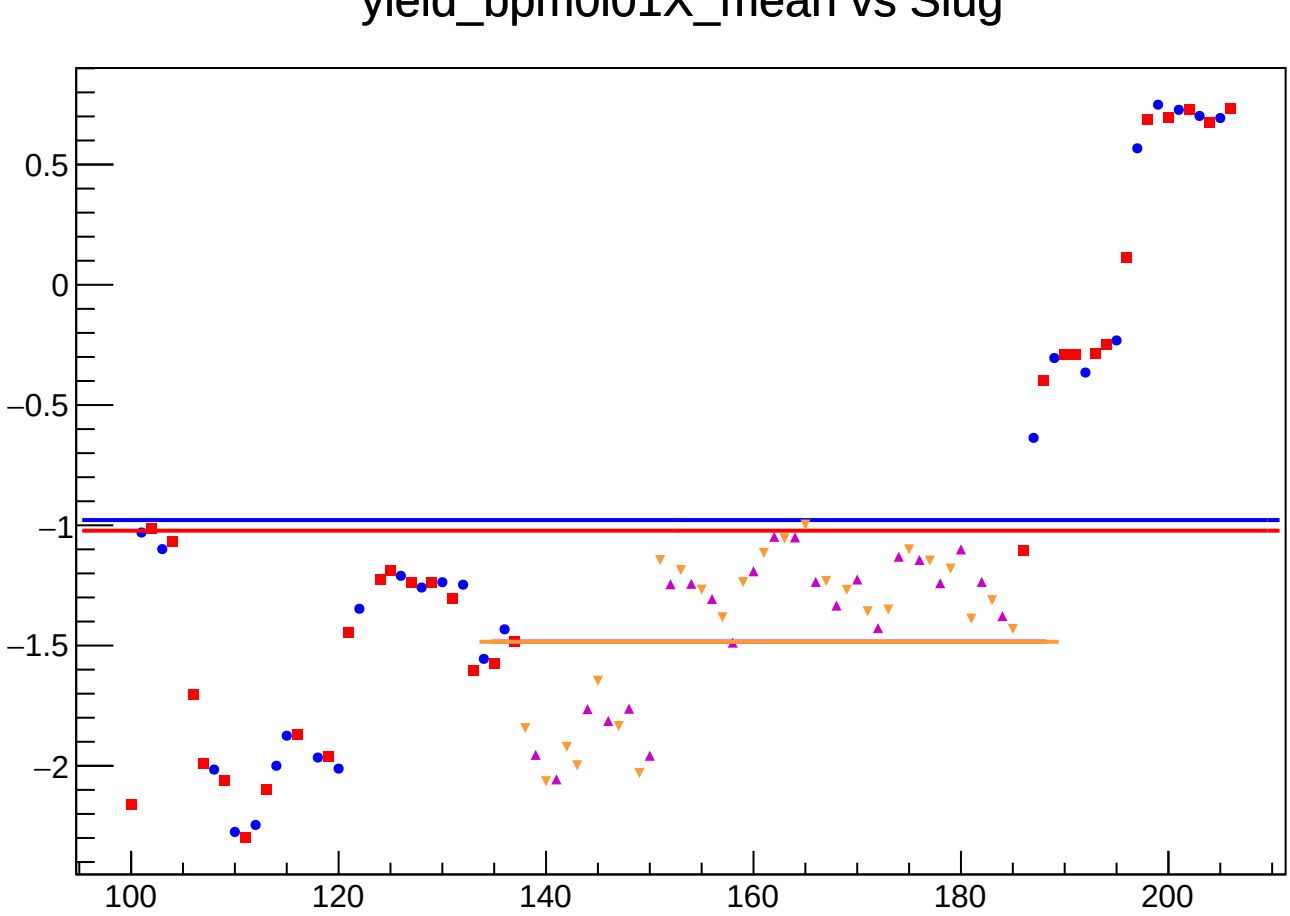
Right Out: 0.003+/-0.000 χ^2/NDF: 6002320.7/30

Left In: 0.003+/-0.000 χ^2/NDF:2055631.9/22

+ sign 0.003+/-0.000 χ^2/NDF: 8112707.0/49

All: 0.003+/-0.000 χ^2/NDF: 17127873.2/103

- sign 0.003+/-0.000 χ^2/NDF: 9010707.6/53



Right In: -0.978+/-0.000 χ^2/NDF: 168709894873.7/24

Left Out: -1.484+/-0.000 χ^2/NDF:48438764764.6/24

Right Out: -1.022+/-0.000 χ^2/NDF: 216538090268.0/30

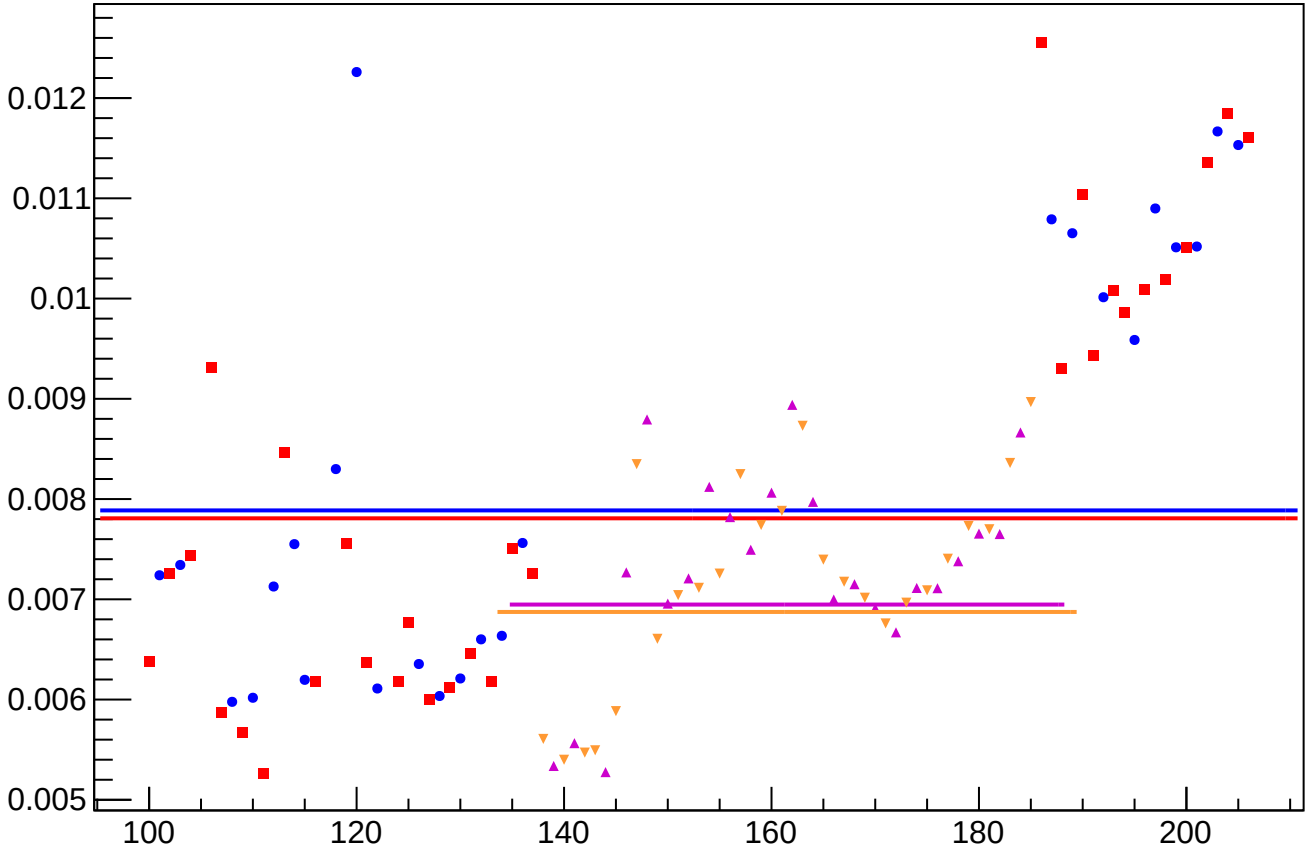
Left In: -1.483+/-0.000 χ^2/NDF:40353431150.9/22

+ sign -1.310+/-0.000 χ^2/NDF: 250884303885.3/49

All: -1.303+/-0.000 χ^2/NDF: 538264630678.8

- sign -1.296+/-0.000 χ^2/NDF: 287322284045.1/53

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 1505114.2/24

Left Out: 0.007+/-0.000 χ^2/NDF:745531.3/24

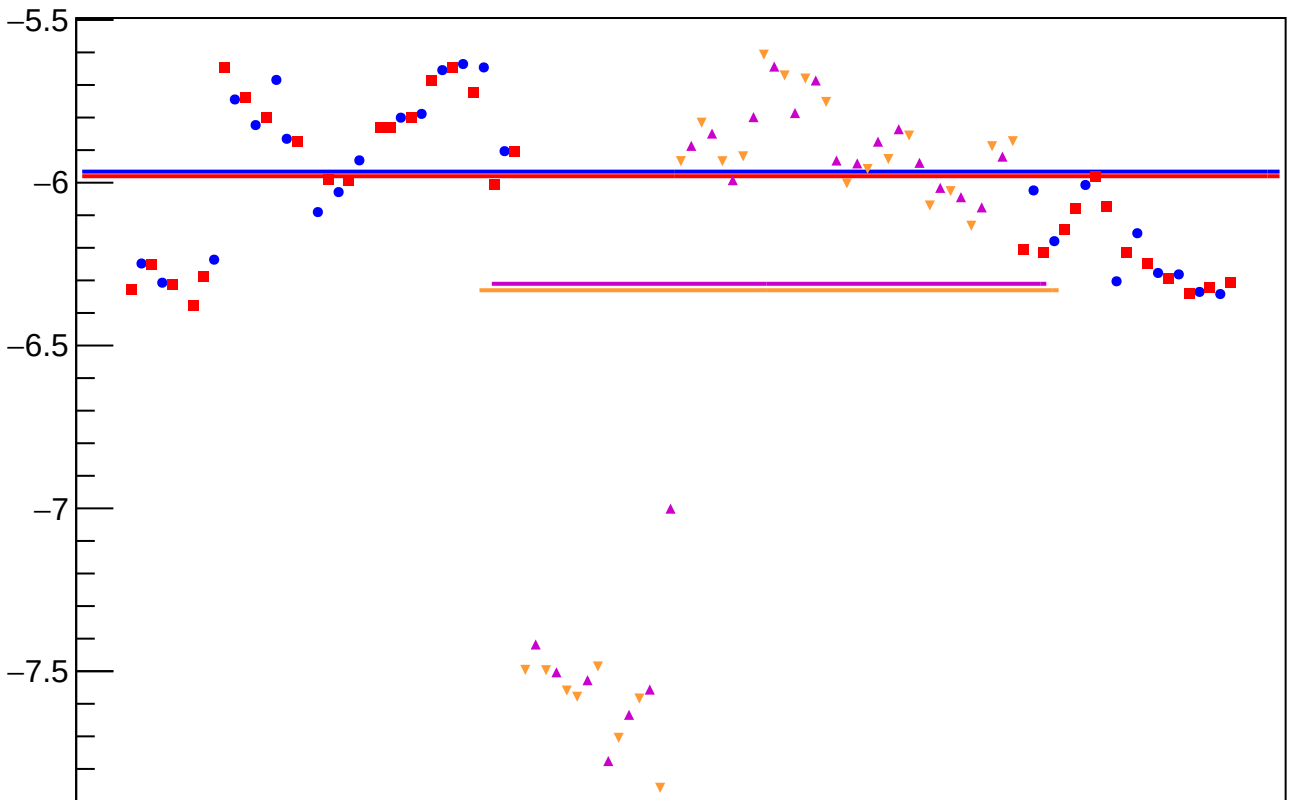
Right Out: 0.008+/-0.000 χ^2/NDF: 2015033.7/30

Left In: 0.007+/-0.000 χ^2/NDF:746731.6/22

+ sign 0.007+/-0.000 χ^2/NDF: 2521007.9/49

All: 0.007+/-0.000 χ^2/NDF: 5497911.2/103

- sign 0.007+/-0.000 χ^2/NDF: 2973627.5/53



Right In: -5.966+/-0.000 χ^2/NDF: 15034631466.7/24

Left Out: -6.330+/-0.000 χ^2/NDF:110328634370.4/24

Right Out: -5.980+/-0.000 χ^2/NDF: 16281463852.9/30

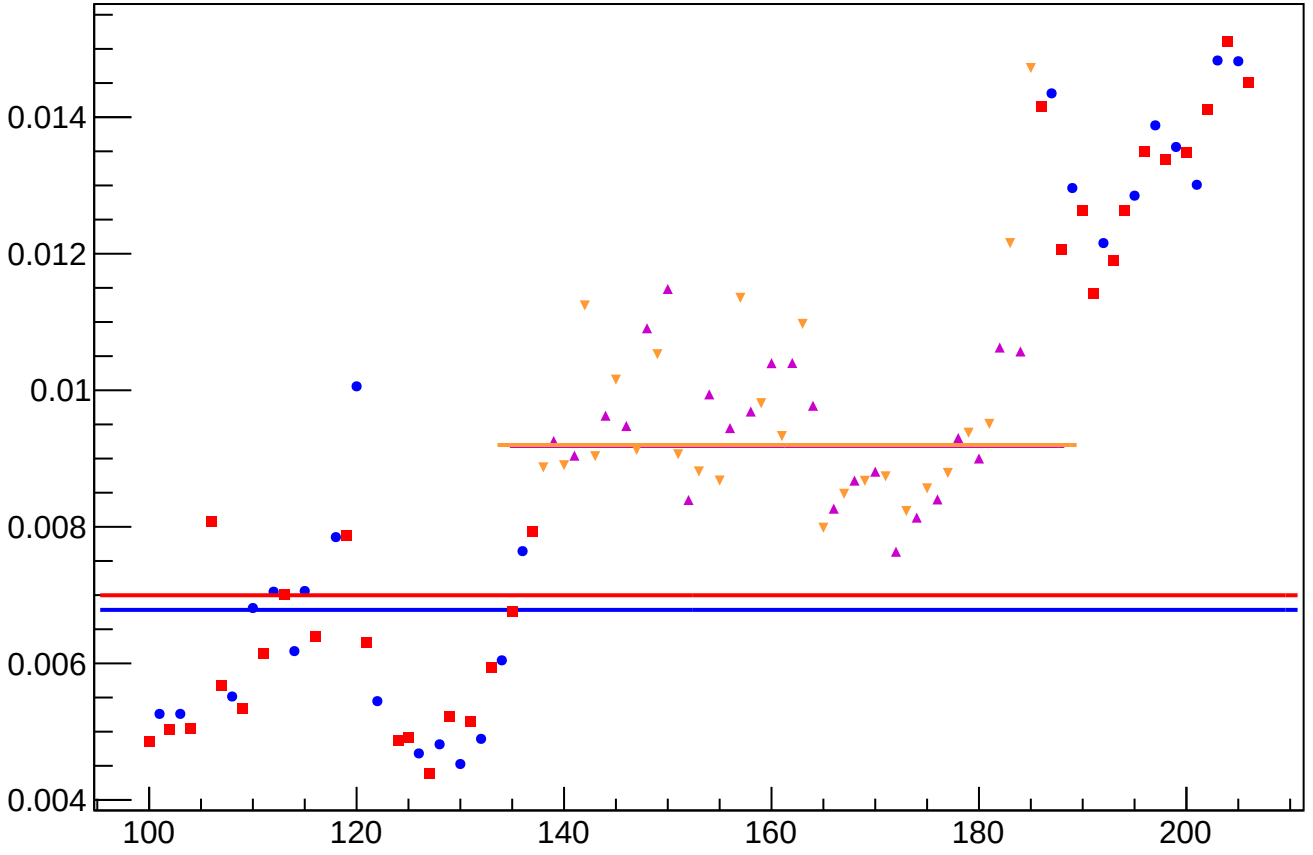
Left In: -6.310+/-0.000 χ^2/NDF:91689184100.9/22

+ sign -6.129+/-0.000 χ^2/NDF: 139315563429.7/49

All: -6.123+/-0.000 χ^2/NDF: 259014456457.2

- sign -6.117+/-0.000 χ^2/NDF: 119663272138.6/53

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 4350148.6/24

Left Out: 0.009+/-0.000 χ^2/NDF:367040.4/24

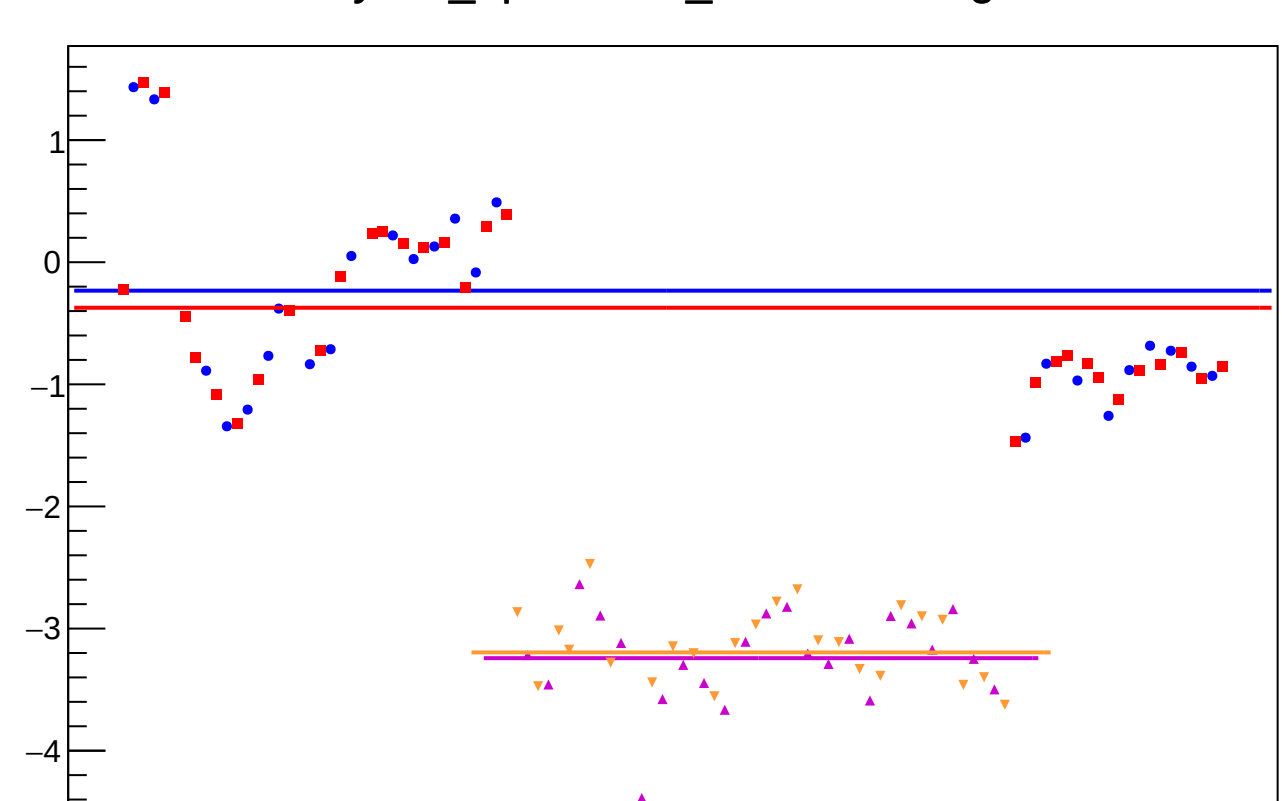
Right Out: 0.007+/-0.000 χ^2/NDF: 5130236.1/30

Left In: 0.009+/-0.000 χ^2/NDF:319063.5/22

+ sign 0.008+/-0.000 χ^2/NDF: 5944057.3/49

All: 0.008+/-0.000 χ^2/NDF: 12418877.4/103

- sign 0.008+/-0.000 χ^2/NDF: 6474318.7/53



Right In: -0.233+/-0.000 χ^2/NDF: 32471863565.9/24

Left Out: -3.195+/-0.000 χ^2/NDF:9538006171.4/24

Right Out: -0.373+/-0.000 χ^2/NDF: 35196206932.4/30

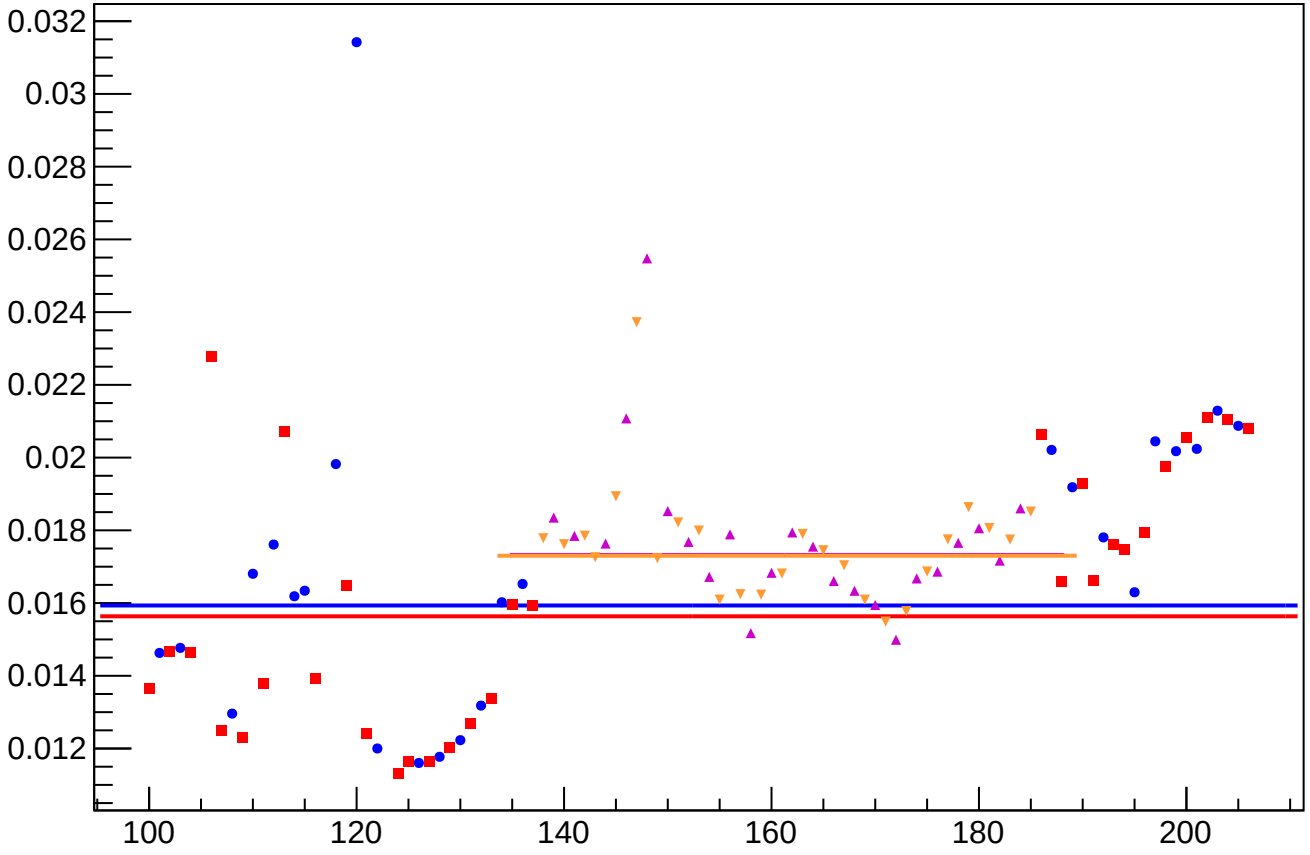
Left In: -3.242+/-0.000 χ^2/NDF:7955956403.6/22

+ sign -1.877+/-0.000 χ^2/NDF: 284398151874.4/49

All: -1.822+/-0.000 χ^2/NDF: 574731600521.3

- sign -1.771+/-0.000 χ^2/NDF: 289686195786.2/53

yield_bpm0l02X_rms vs Slug



Right In: 0.016+/-0.000 χ^2/NDF: 1185751.2/24

Left Out: 0.017+/-0.000 χ^2/NDF:218030.0/24

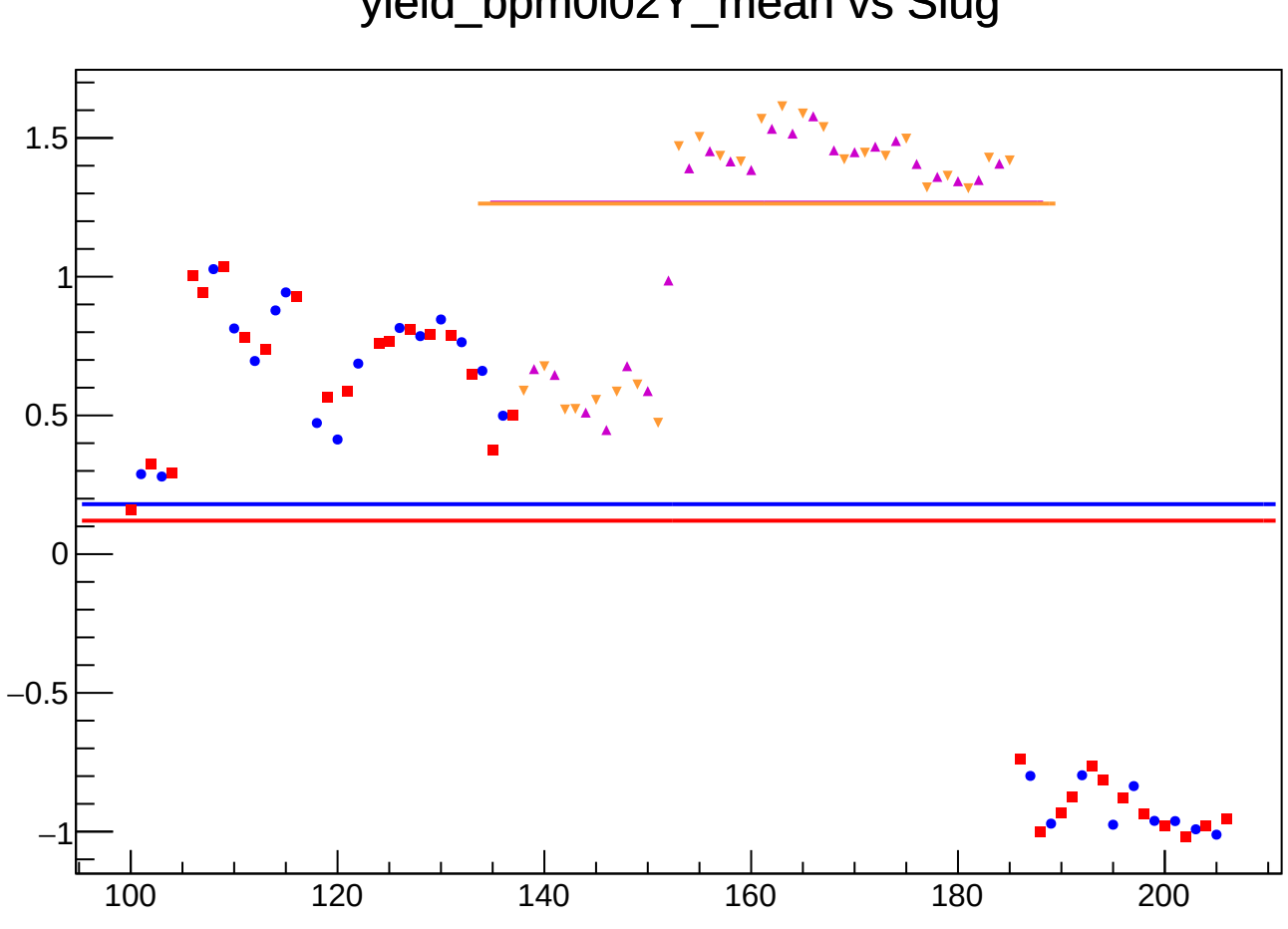
Right Out: 0.016+/-0.000 χ^2/NDF: 1318468.8/30

Left In: 0.017+/-0.000 χ^2/NDF:329879.6/22

+ sign 0.017+/-0.000 χ^2/NDF: 1507133.0/49

All: 0.017+/-0.000 χ^2/NDF: 3332250.7/103

- sign 0.016+/-0.000 χ^2/NDF: 1818754.4/53



Right In: 0.180+/-0.000 χ^2/NDF: 68513000141.2/24

Left Out: 1.263+/-0.000 χ^2/NDF:45594559273.0/24

Right Out: 0.121+/-0.000 χ^2/NDF: 86391438227.4/30

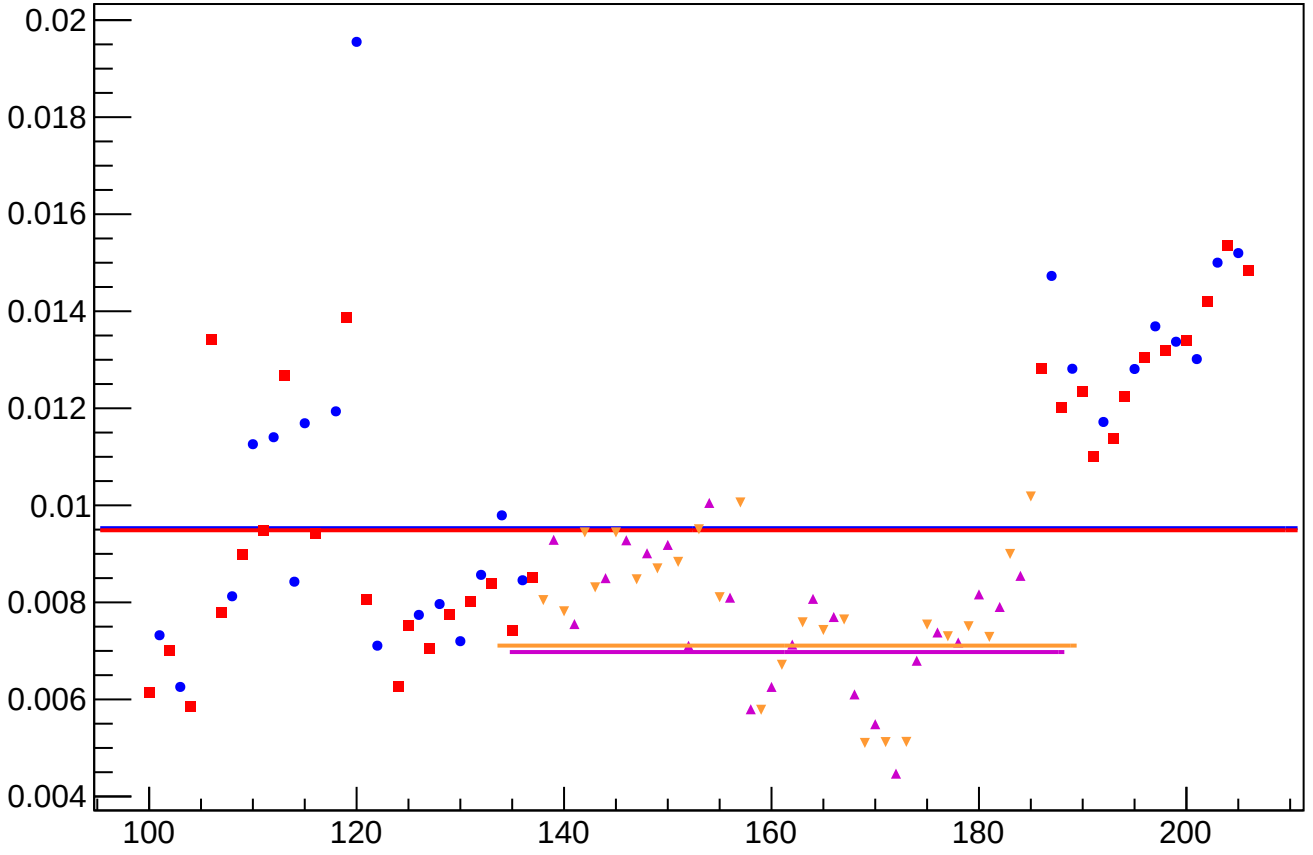
Left In: 1.267+/-0.000 χ^2/NDF:37614918579.9/22

+ sign 0.959+/-0.000 χ^2/NDF: 225027117381.9/49

All: 0.930+/-0.000 χ^2/NDF: 489427668131.9

- sign 0.902+/-0.000 χ^2/NDF: 263617446239.0/53

yield_bpm0l02Y_rms vs Slug



Right In: 0.010+/-0.000 χ^2/NDF: 2154758.9/24

Left Out: 0.007+/-0.000 χ^2/NDF:1519295.8/24

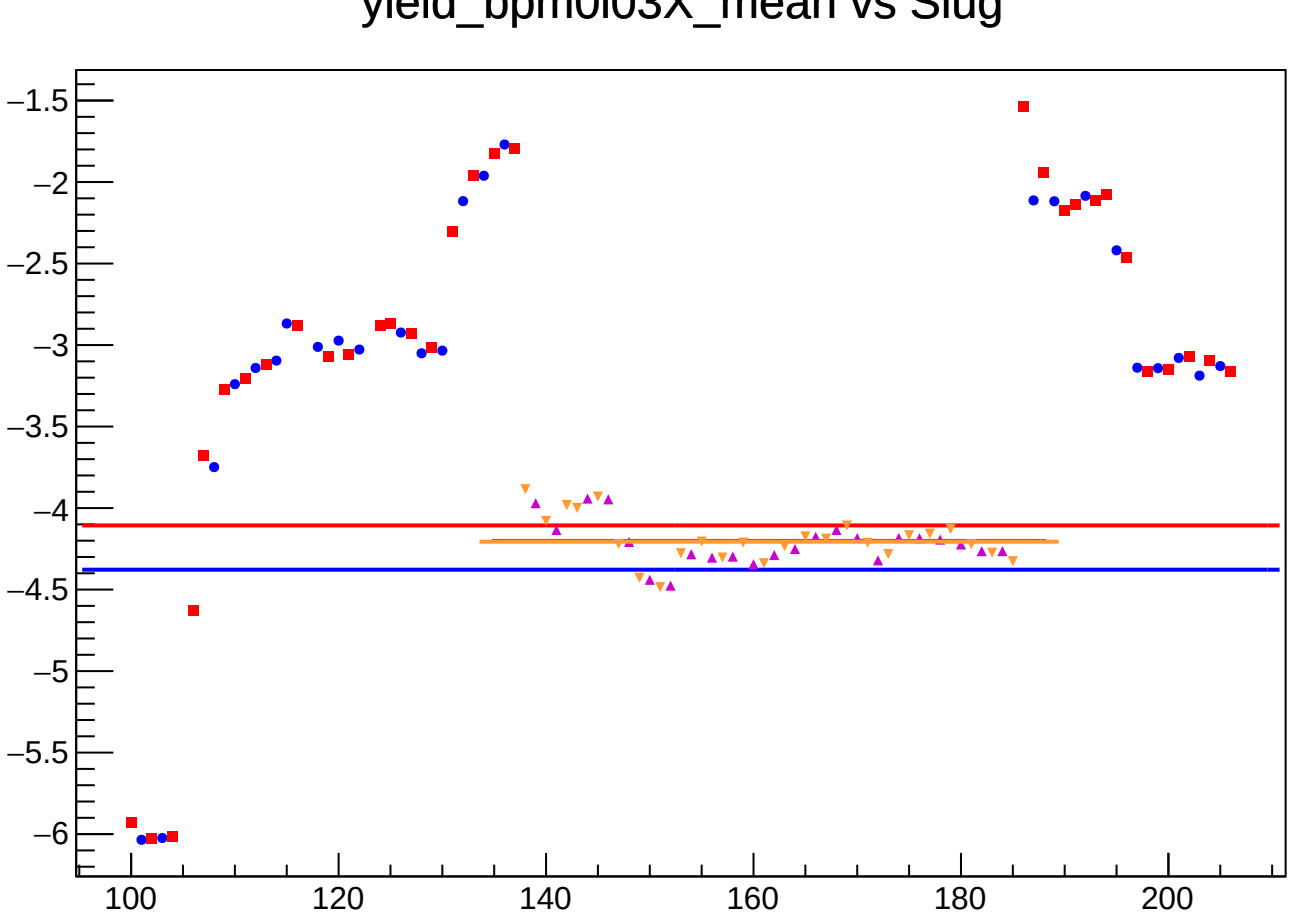
Right Out: 0.009+/-0.000 χ^2/NDF: 2562131.7/30

Left In: 0.007+/-0.000 χ^2/NDF:1457031.8/22

+ sign 0.008+/-0.000 χ^2/NDF: 4781171.7/49

All: 0.008+/-0.000 χ^2/NDF: 10139499.7/103

- sign 0.008+/-0.000 χ^2/NDF: 5358238.3/53



Right In: -4.378+/-0.000 χ^2/NDF: 278890727694.4/24

Left Out: -4.206+/-0.000 χ^2/NDF:61558336.8/24

Right Out: -4.106+/-0.000 χ^2/NDF: 298308397627.2/30

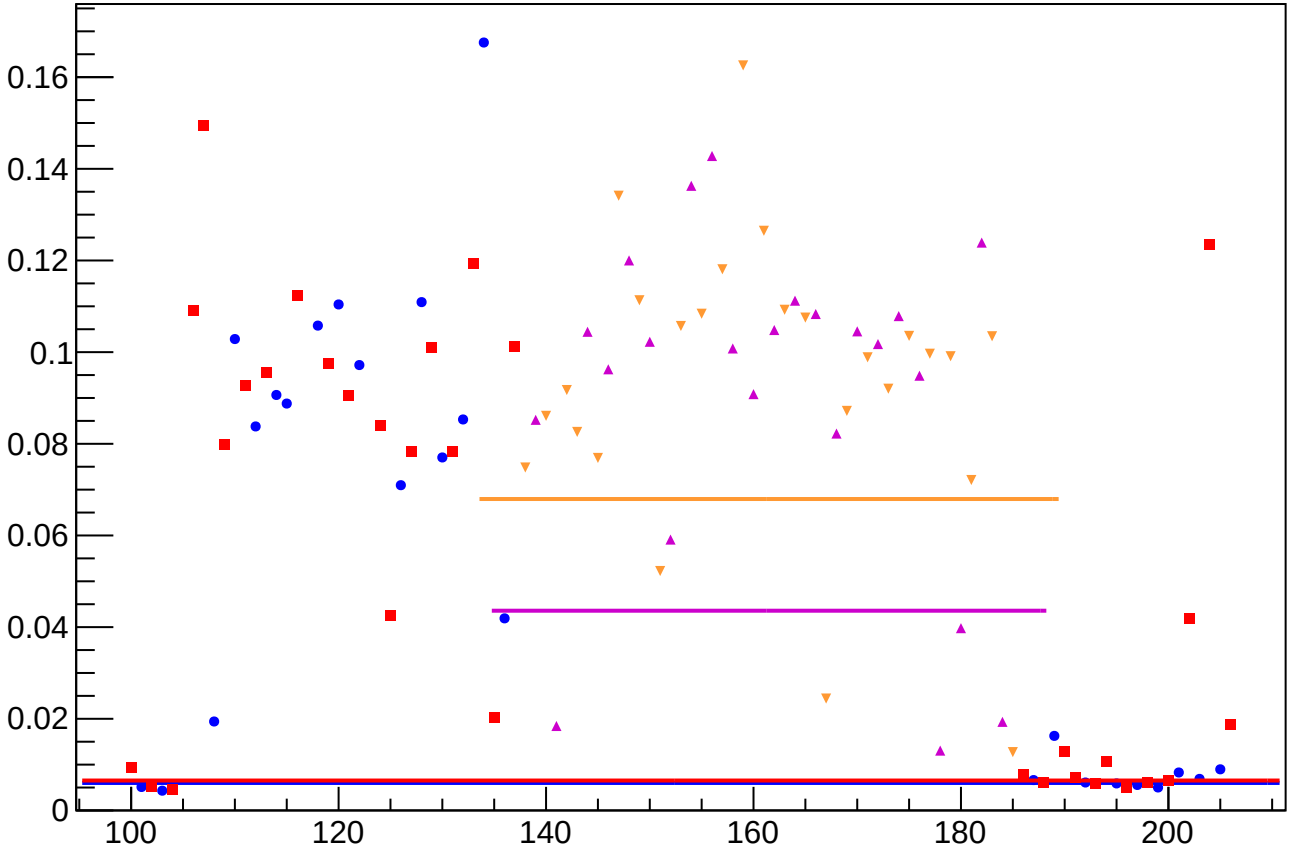
Left In: -4.202+/-0.000 χ^2/NDF:42747893.4/22

+ sign -4.374+/-0.000 χ^2/NDF: 279028954205.6/49

All: -4.253+/-0.000 χ^2/NDF: 580796596877.0

- sign -4.111+/-0.000 χ^2/NDF: 298386583097.1/53

yield_bpm0l03X_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF: 8906876.6/24

Left Out: 0.068+/-0.000 χ^2/NDF:7631751.0/24

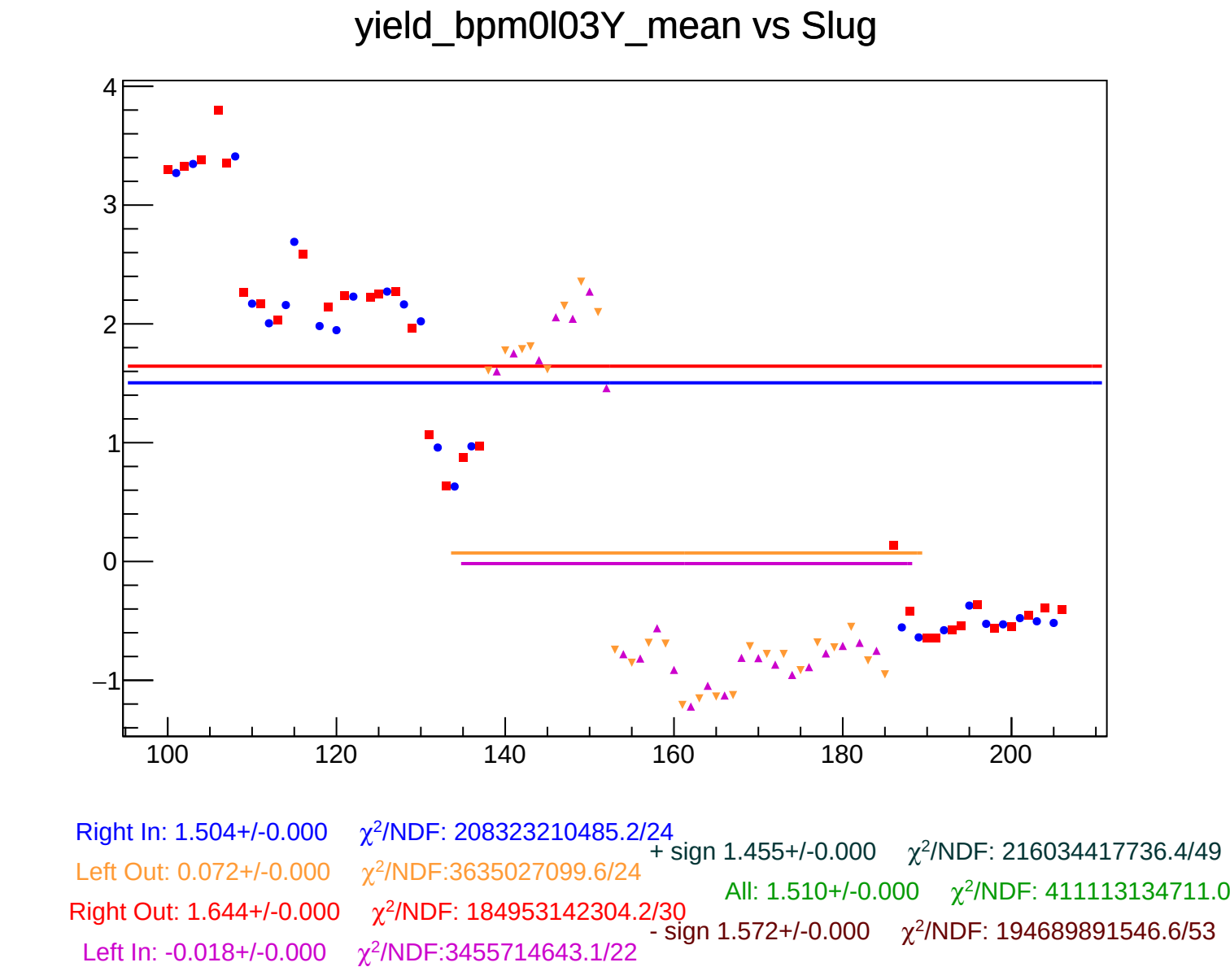
Right Out: 0.007+/-0.000 χ^2/NDF: 10674979.7/30

Left In: 0.044+/-0.000 χ^2/NDF:12761920.2/22

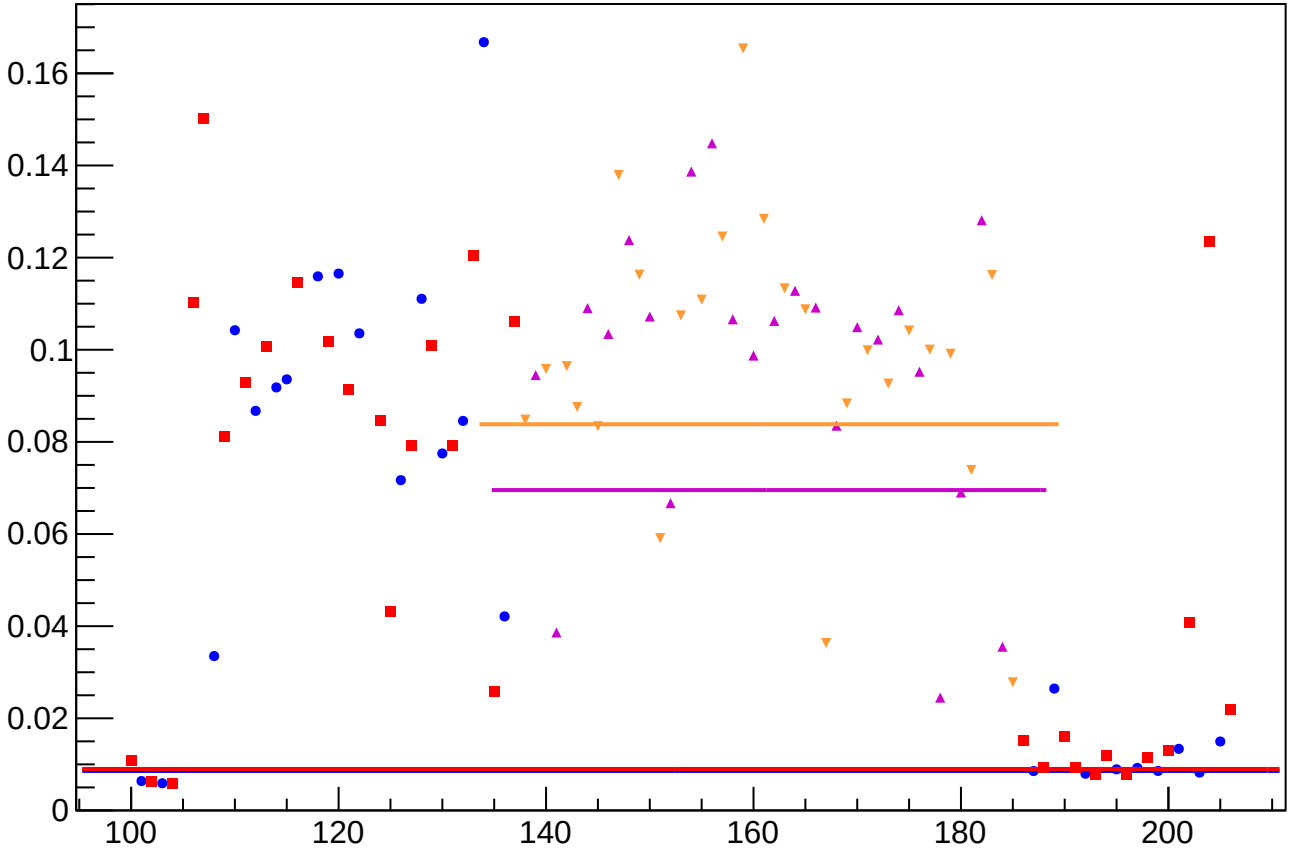
+ sign 0.008+/-0.000 χ^2/NDF: 36451457.1/49

All: 0.008+/-0.000 χ^2/NDF: 70656475.0/103

- sign 0.008+/-0.000 χ^2/NDF: 34163779.6/53


yield_bpm0l03Y_mean vs Slug
4
3
2
1
0
−1
100
120
140
160
180
200
Right In: 1.504+/-0.000 χ²/NDF: 208323210485.2/24
Left Out: 0.072+/-0.000 χ²/NDF:3635027099.6/24
Right Out: 1.644+/-0.000 χ²/NDF: 184953142304.2/30
Left In: -0.018+/-0.000 χ²/NDF:3455714643.1/22
+ sign 1.455+/-0.000 χ²/NDF: 216034417736.4/49
All: 1.510+/-0.000 χ²/NDF: 411113134711.0
- sign 1.572+/-0.000 χ²/NDF: 194689891546.6/53

yield_bpm0l03Y_rms vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 8756125.4/24

Left Out: 0.084+/-0.000 χ^2/NDF:3830160.2/24

Right Out: 0.009+/-0.000 χ^2/NDF: 10423240.6/30

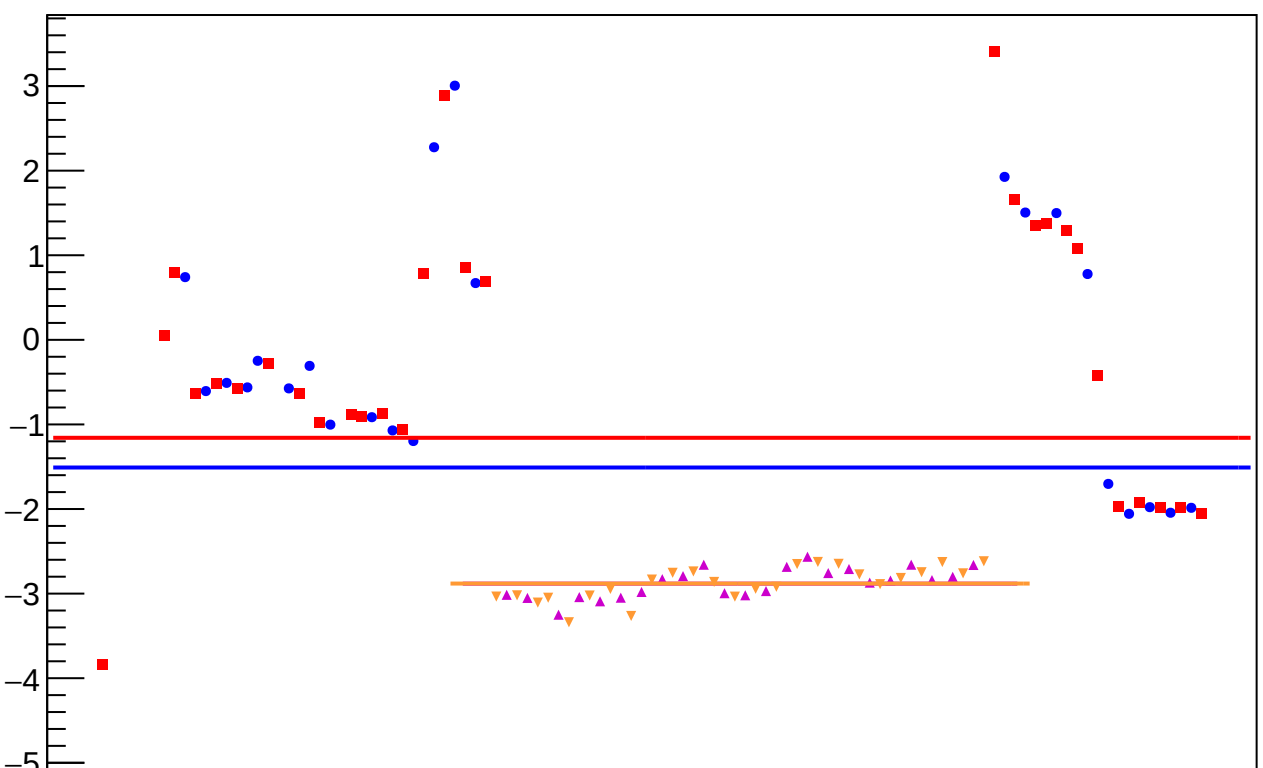
Left In: 0.070+/-0.000 χ^2/NDF:6697383.9/22

+ sign 0.011+/-0.000 χ^2/NDF: 35090066.0/49

All: 0.011+/-0.000 χ^2/NDF: 68892111.6/103

- sign 0.012+/-0.000 χ^2/NDF: 33788096.1/53

yield_bpm0l04X_mean vs Slug



Right In: -1.509+/-0.000 χ^2/NDF: 208010203093.0/24

Left Out: -2.881+/-0.000 χ^2/NDF:10553050715.1/24

Right Out: -1.158+/-0.000 χ^2/NDF: 236200505109.8/30

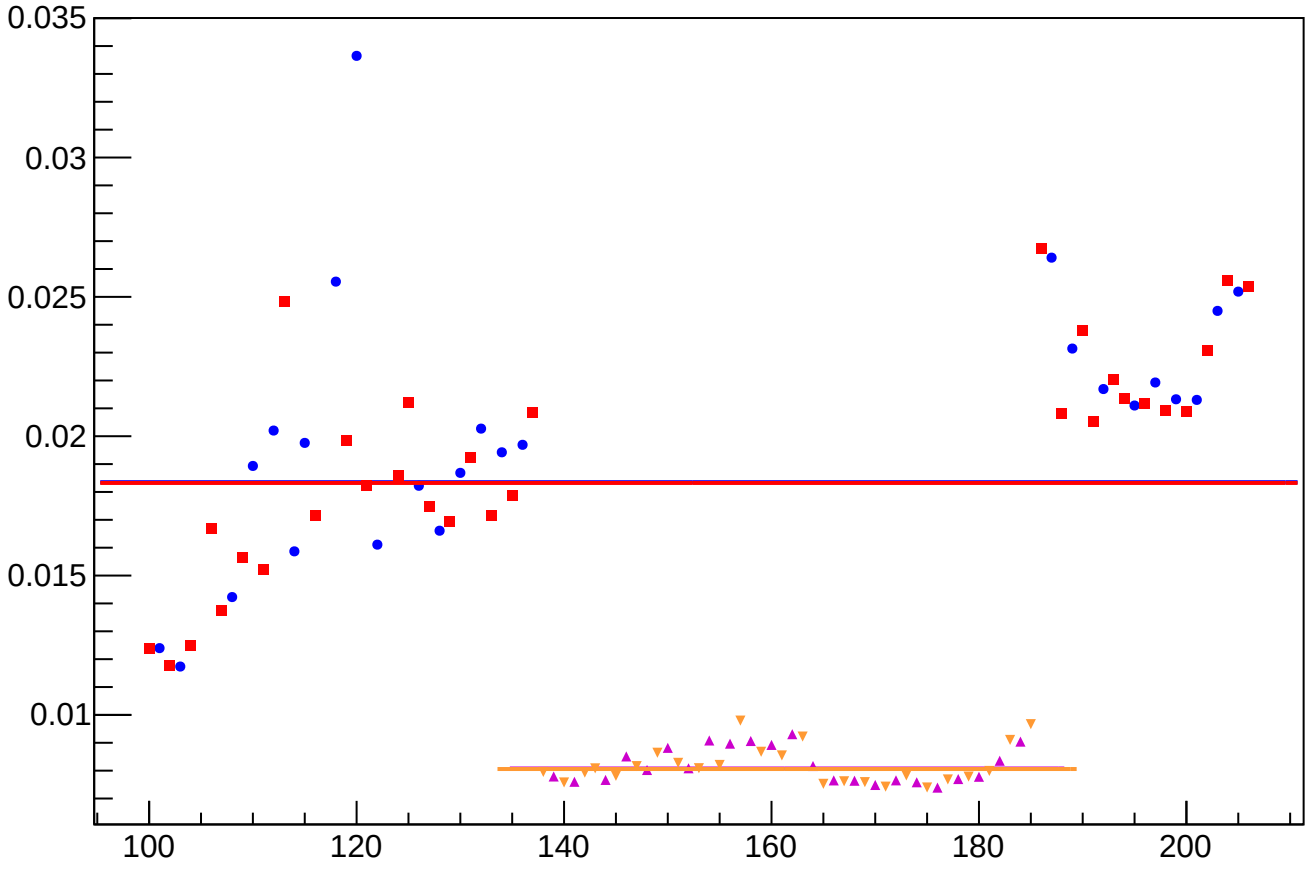
Left In: -2.882+/-0.000 χ^2/NDF:8300047325.0/22

+ sign -2.728+/-0.000 χ^2/NDF: 278384727820.5/49

All: -2.686+/-0.000 χ^2/NDF: 634562518753.3

- sign -2.643+/-0.000 χ^2/NDF: 355043727546.5/53

yield_bpm0l04X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 1458990.2/24

Left Out: 0.008+/-0.000 χ^2/NDF:185446.1/24

Right Out: 0.018+/-0.000 χ^2/NDF: 1503884.5/30

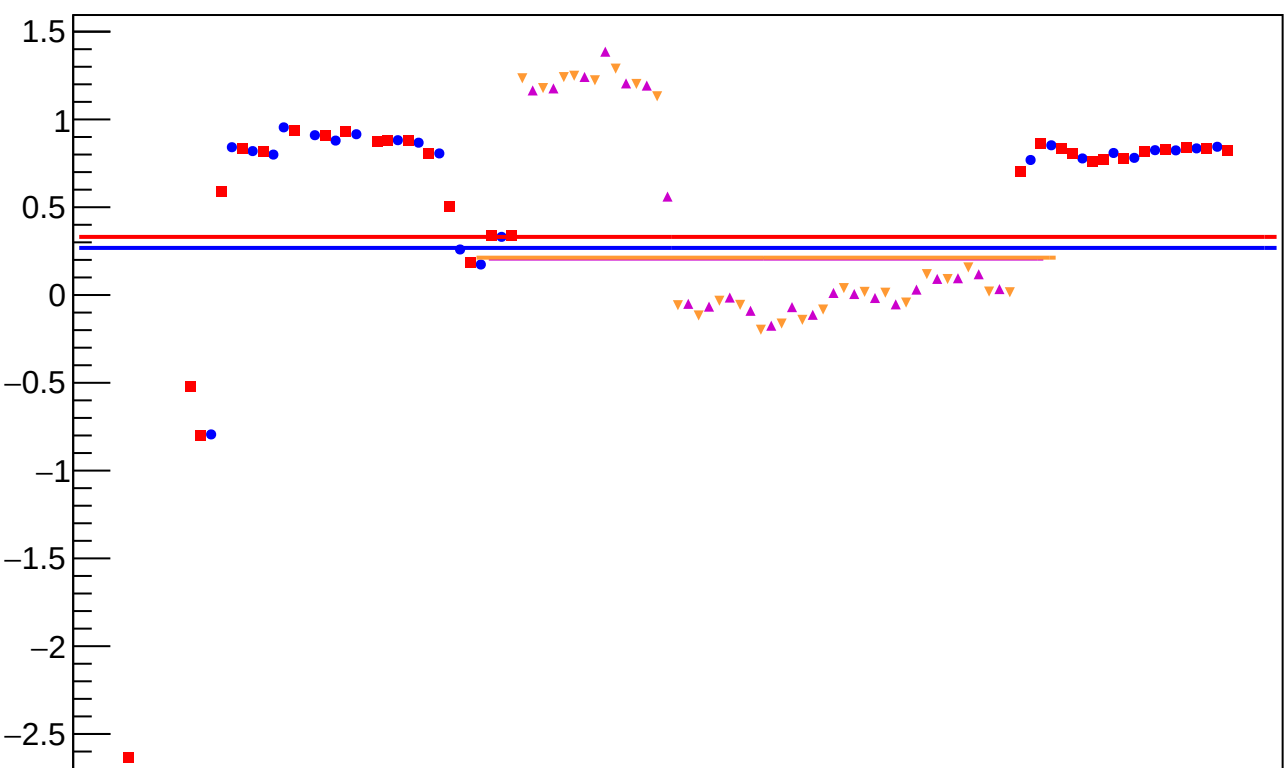
Left In: 0.008+/-0.000 χ^2/NDF:181843.4/22

+ sign 0.009+/-0.000 χ^2/NDF: 8377302.6/49

All: 0.009+/-0.000 χ^2/NDF: 17894530.9/103

- sign 0.010+/-0.000 χ^2/NDF: 9490509.1/53

yield_bpm0l04Y_mean vs Slug



Right In: 0.268+/-0.000 χ^2/NDF: 948786169772.4/24

Left Out: 0.213+/-0.000 χ^2/NDF:102819241186.2/24

Right Out: 0.331+/-0.000 χ^2/NDF: 1046108667072.0/30

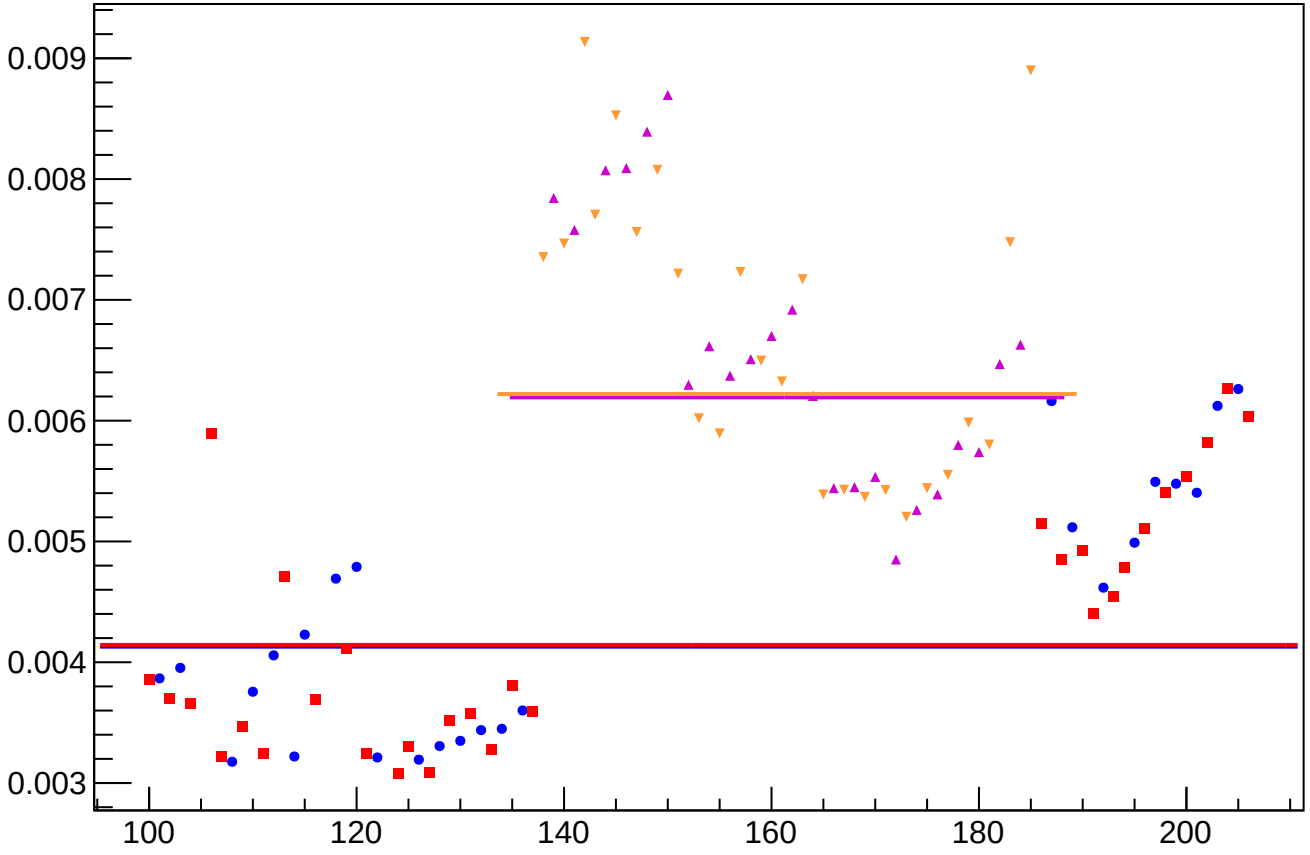
Left In: 0.207+/-0.000 χ^2/NDF:87109076861.7/22

+ sign 0.248+/-0.000 χ^2/NDF: 1052447500770.3/49

All: 0.271+/-0.000 χ^2/NDF: 2191095841231.

- sign 0.291+/-0.000 χ^2/NDF: 1137496783948.5/53

yield_bpm0l04Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 1289101.7/24

Left Out: 0.006+/-0.000 χ^2/NDF:813678.9/24

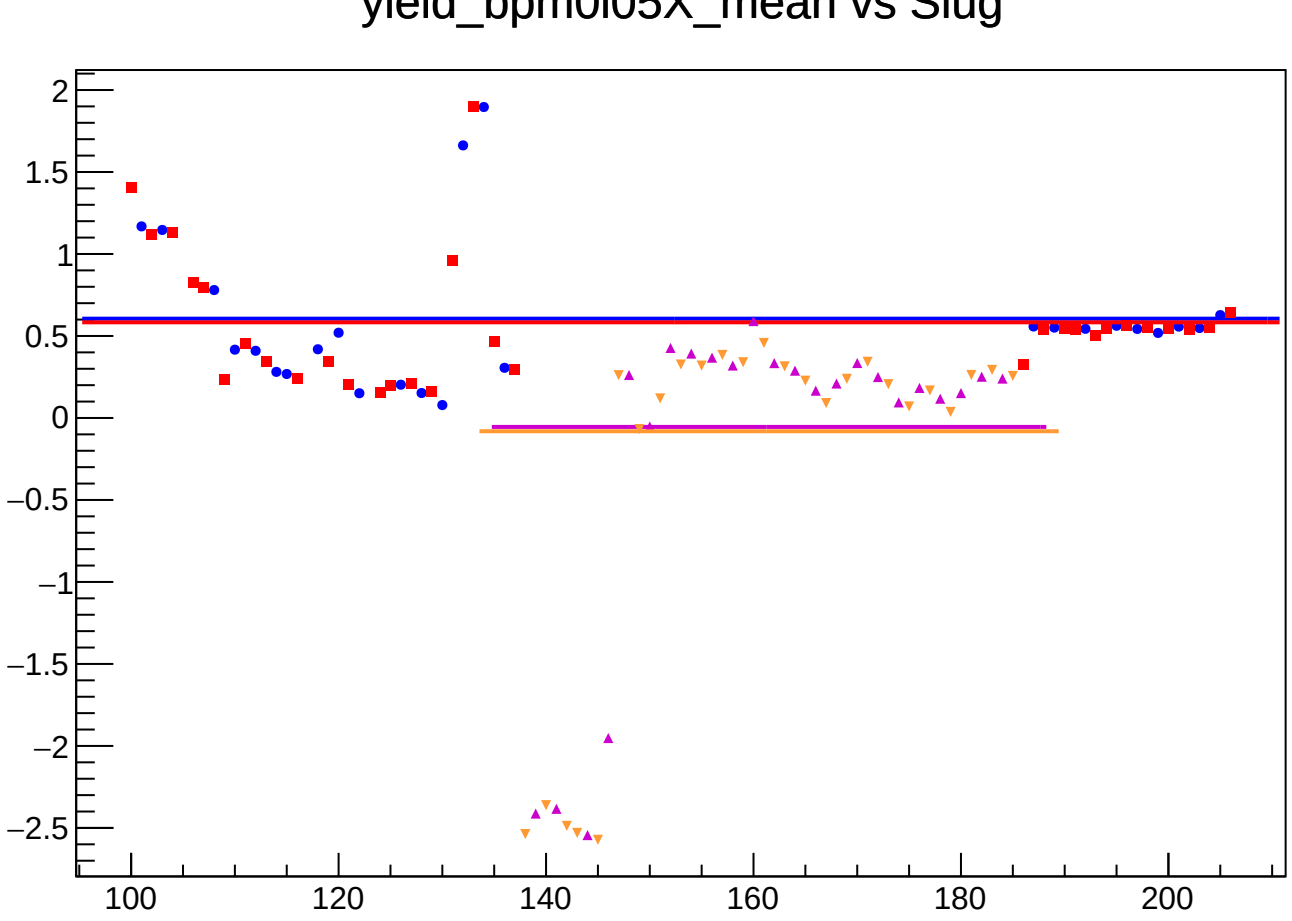
Right Out: 0.004+/-0.000 χ^2/NDF: 1532707.1/30

Left In: 0.006+/-0.000 χ^2/NDF:816234.4/22

+ sign 0.005+/-0.000 χ^2/NDF: 4492864.0/49

All: 0.005+/-0.000 χ^2/NDF: 9206781.6/103

- sign 0.005+/-0.000 χ^2/NDF: 4703872.5/53



Right In: 0.606+/-0.000 χ^2/NDF: 43711447635.5/24

Left Out: -0.081+/-0.000 χ^2/NDF:388332231902.9/24

Right Out: 0.583+/-0.000 χ^2/NDF: 44043059785.7/30

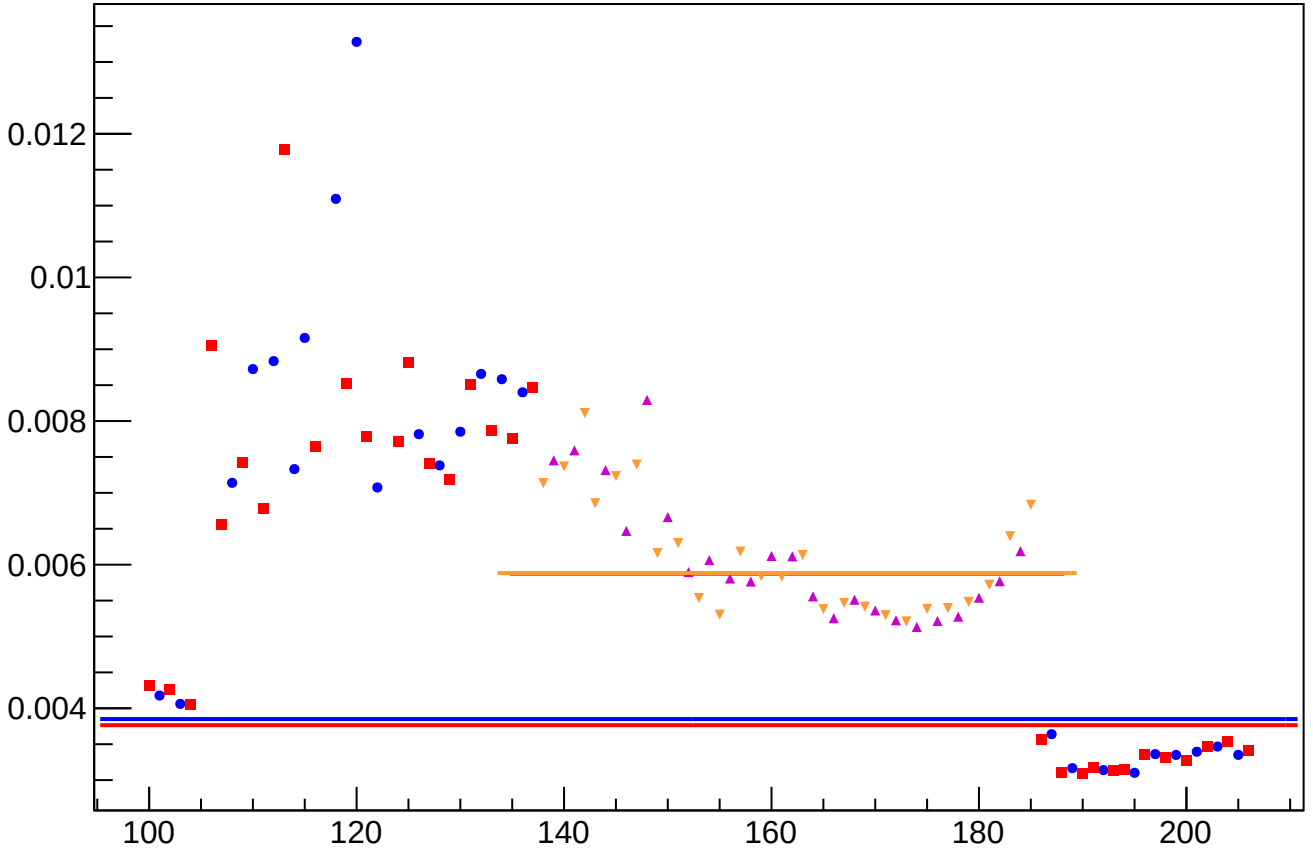
Left In: -0.055+/-0.000 χ^2/NDF:347072248163.0/22

+ sign 0.330+/-0.000 χ^2/NDF: 574975611946.3/49

All: 0.351+/-0.000 χ^2/NDF: 1098146623223.

- sign 0.369+/-0.000 χ^2/NDF: 522119313888.8/53

yield_bpm0l05X_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 3428257.0/24

Left Out: 0.006+/-0.000 χ^2/NDF:457789.1/24

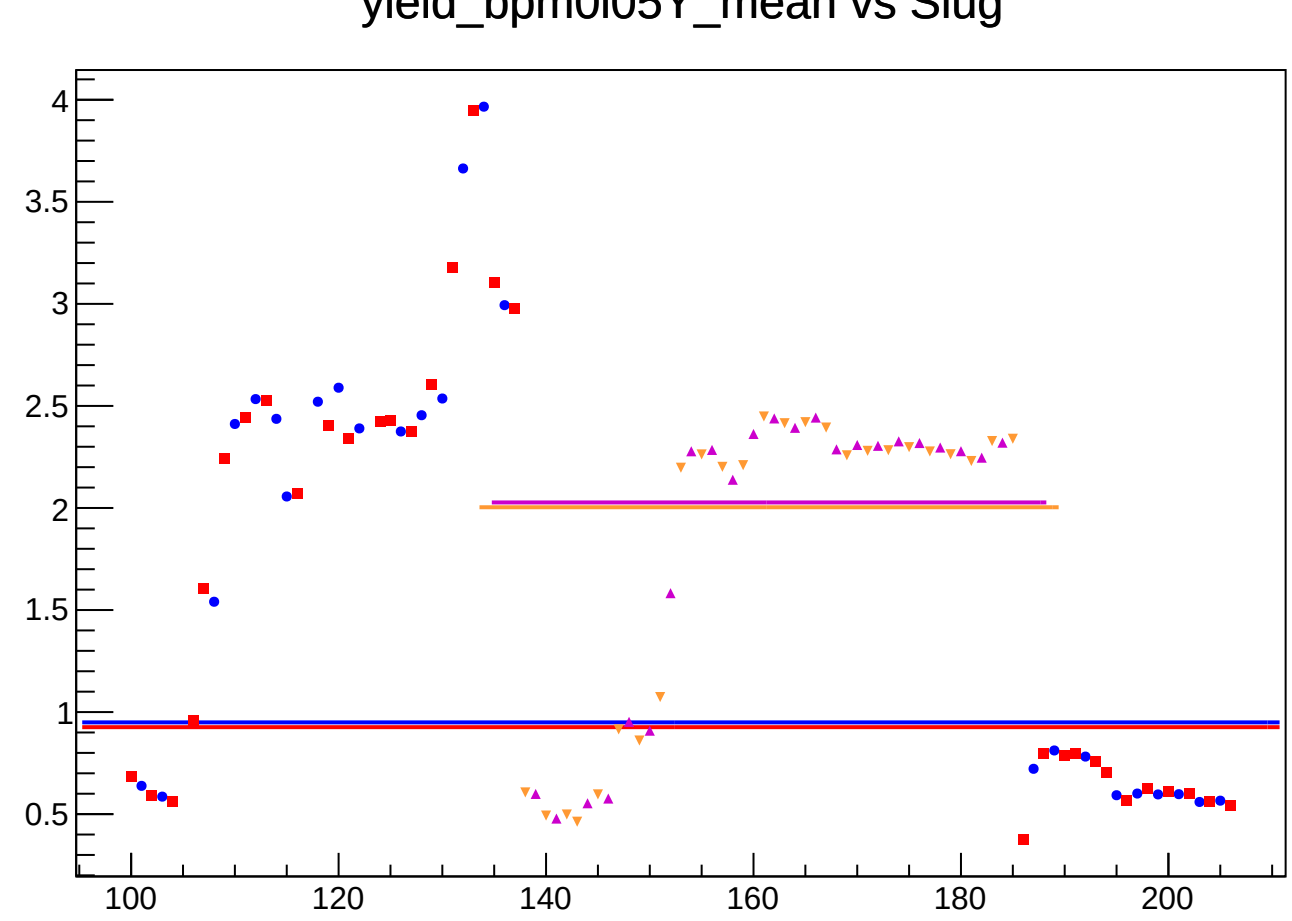
Right Out: 0.004+/-0.000 χ^2/NDF: 3428715.6/30

Left In: 0.006+/-0.000 χ^2/NDF:521878.3/22

+ sign 0.005+/-0.000 χ^2/NDF: 6393045.8/49

All: 0.005+/-0.000 χ^2/NDF: 13261586.7/103

- sign 0.004+/-0.000 χ^2/NDF: 6817870.4/53



Right In: 0.950+/-0.000 χ^2/NDF: 232478845167.0/24

Left Out: 2.004+/-0.000 χ^2/NDF:219172813454.7/24

Right Out: 0.926+/-0.000 χ^2/NDF: 267592257887.6/30

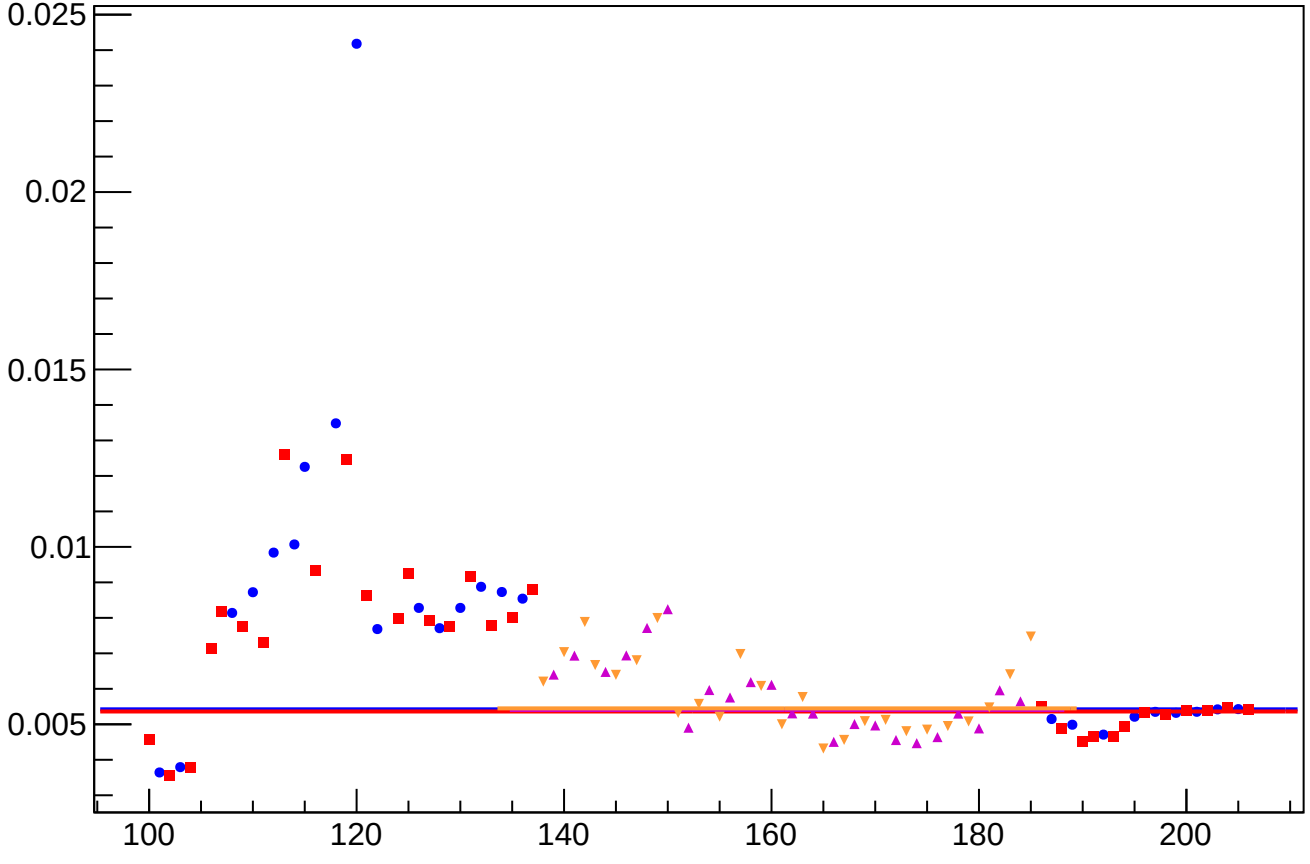
Left In: 2.027+/-0.000 χ^2/NDF:194461333084.6/22

+ sign 1.564+/-0.000 χ^2/NDF: 706880913905.2/49

All: 1.531+/-0.000 χ^2/NDF: 1479926229080.

- sign 1.499+/-0.000 χ^2/NDF: 770955328240.0/53

yield_bpm0l05Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 2307213.1/24

Left Out: 0.005+/-0.000 χ^2/NDF:771417.6/24

Right Out: 0.005+/-0.000 χ^2/NDF: 2125711.9/30

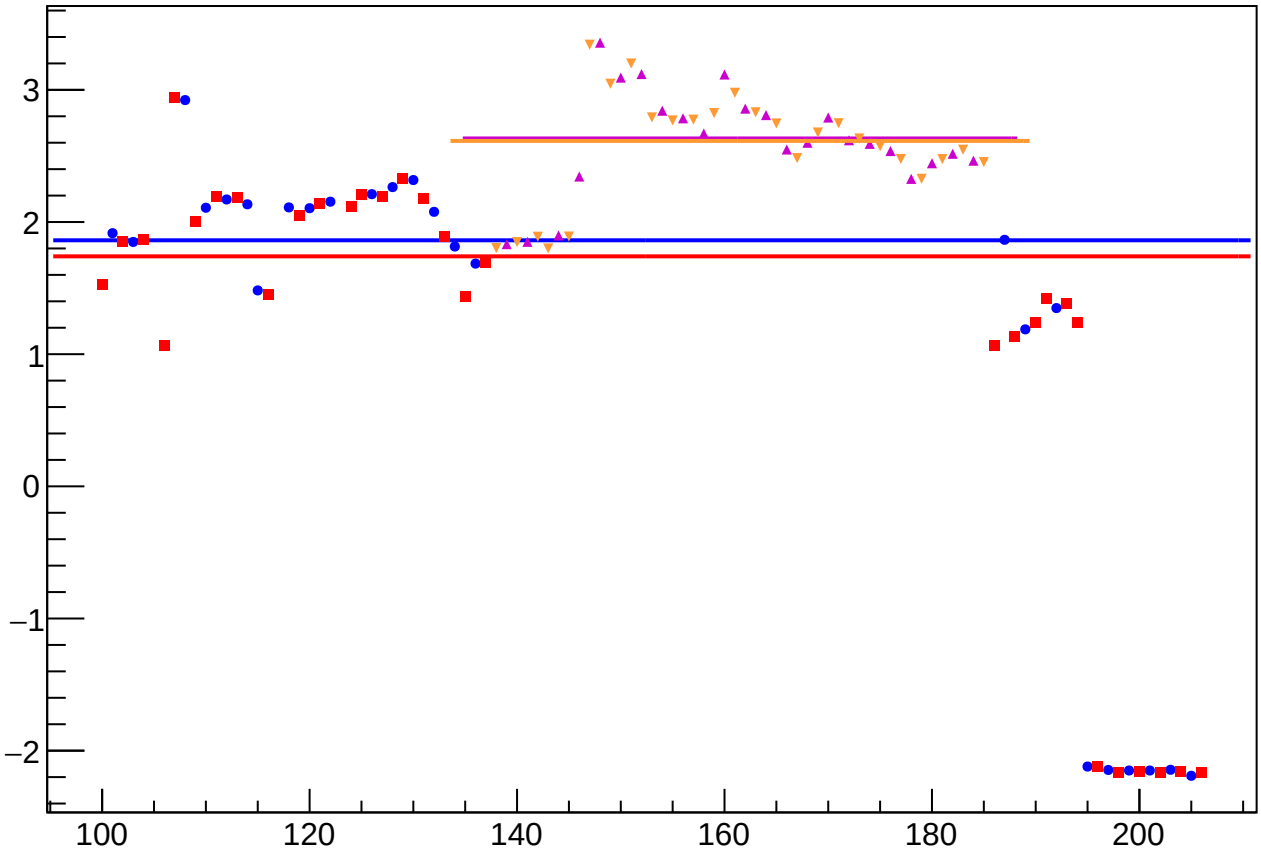
Left In: 0.005+/-0.000 χ^2/NDF:815136.5/22

+ sign 0.005+/-0.000 χ^2/NDF: 3078959.4/49

All: 0.005+/-0.000 χ^2/NDF: 6023631.6/103

- sign 0.005+/-0.000 χ^2/NDF: 2941821.8/53

yield_bpm0l06X_mean vs Slug



Right In: 1.862+/-0.000 χ^2/NDF: 133647822969.9/24

Left Out: 2.614+/-0.000 χ^2/NDF:46402554271.4/24

Right Out: 1.740+/-0.000 χ^2/NDF: 143139406181.5/30

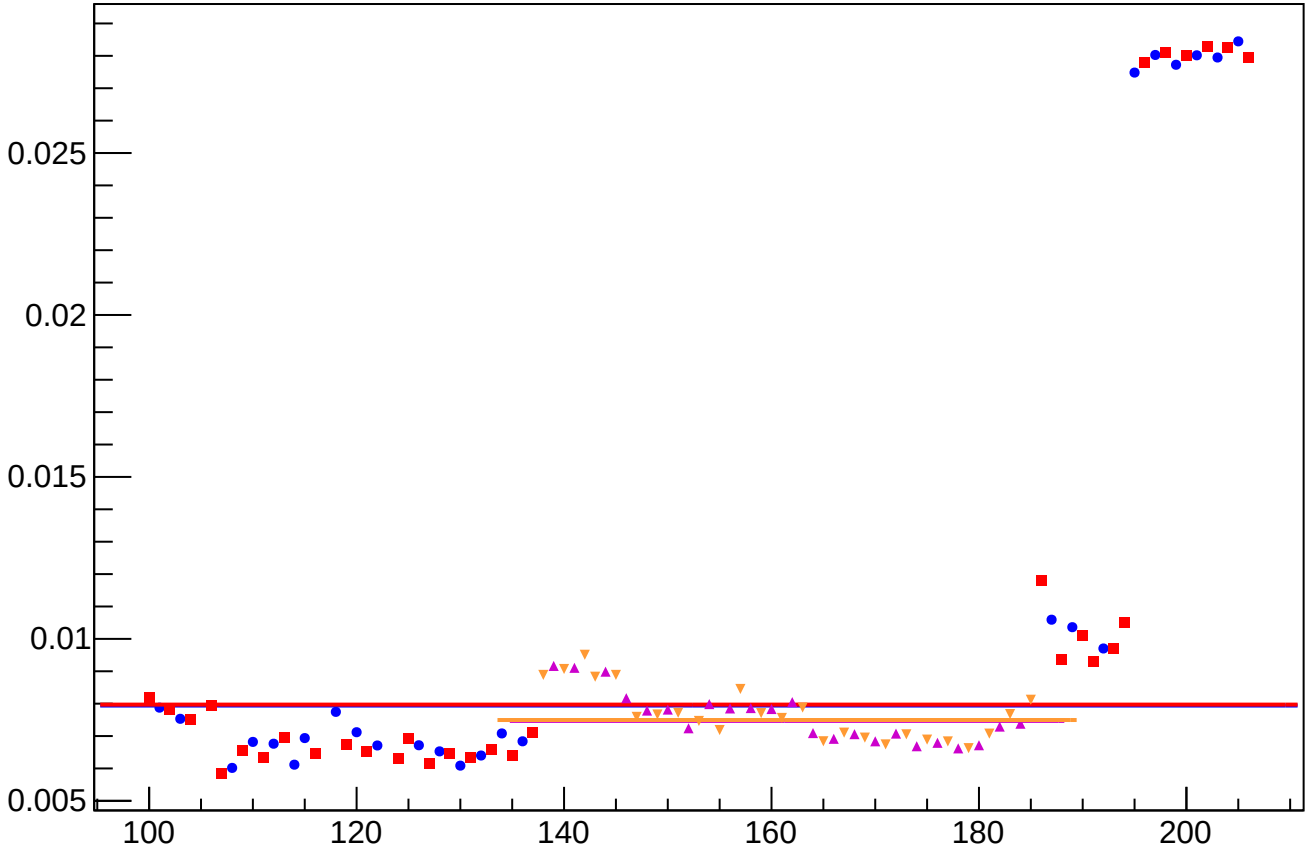
Left In: 2.632+/-0.000 χ^2/NDF:40551967819.7/22

+ sign 2.354+/-0.000 χ^2/NDF: 242987897811.4/49

All: 2.317+/-0.000 χ^2/NDF: 525015076411.6

- sign 2.282+/-0.000 χ^2/NDF: 280702180925.8/53

yield_bpm0l06X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 5895063.3/24

Left Out: 0.007+/-0.000 χ^2/NDF:332673.2/24

Right Out: 0.008+/-0.000 χ^2/NDF: 6359080.1/30

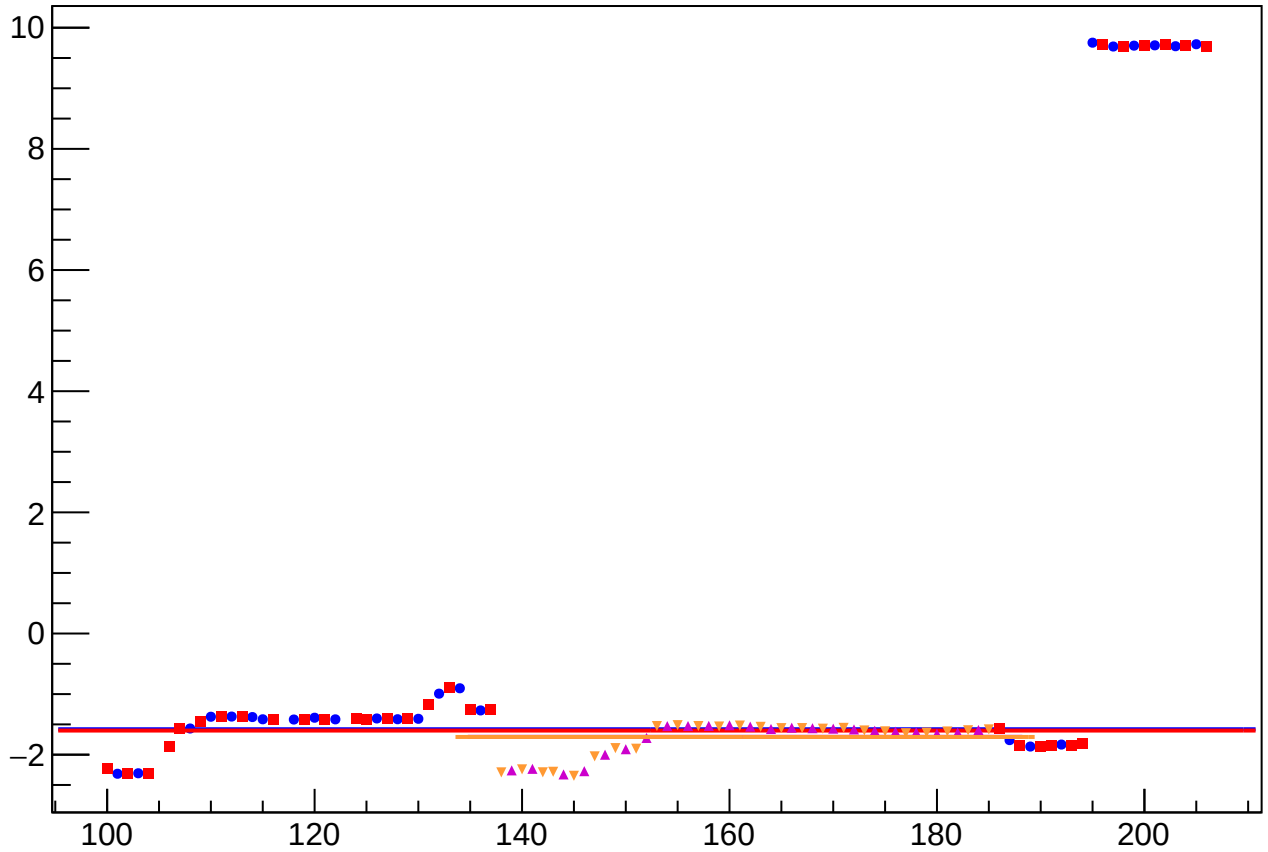
Left In: 0.007+/-0.000 χ^2/NDF:321914.4/22

+ sign 0.008+/-0.000 χ^2/NDF: 6272242.0/49

All: 0.008+/-0.000 χ^2/NDF: 13015152.1/103

- sign 0.008+/-0.000 χ^2/NDF: 6742777.9/53

yield_bpm0l06Y_mean vs Slug



Right In: -1.580+/-0.000 χ^2/NDF: 361156280825.9/24

Left Out: -1.708+/-0.000 χ^2/NDF:151845502556.2/24

Right Out: -1.602+/-0.000 χ^2/NDF: 375494251419.7/30

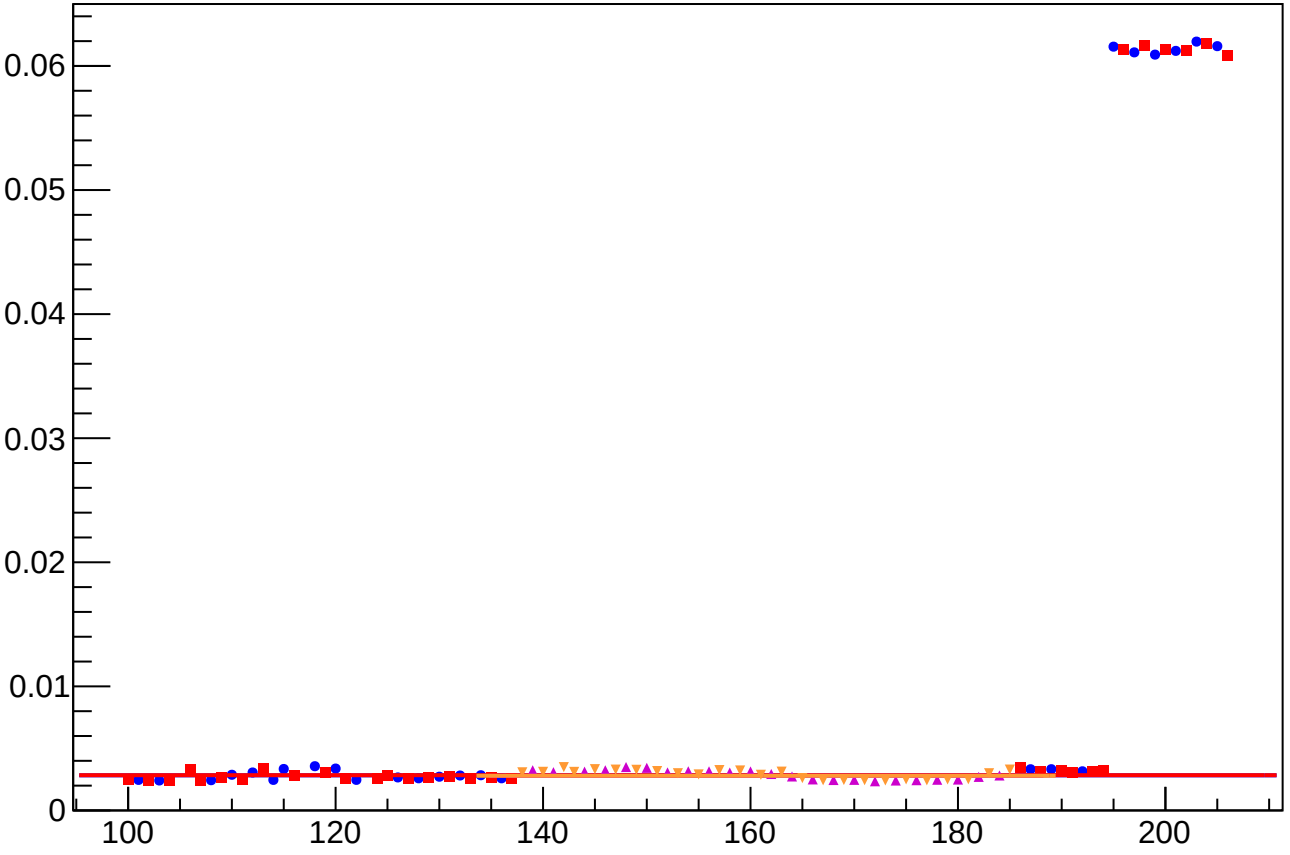
Left In: -1.705+/-0.000 χ^2/NDF:136540618081.0/22

+ sign -1.666+/-0.000 χ^2/NDF: 525065363625.5/49

All: -1.666+/-0.000 χ^2/NDF: 1045997026846

- sign -1.666+/-0.000 χ^2/NDF: 520931654361.1/53

yield_bpm0l06Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 9659753.0/24

Left Out: 0.003+/-0.000 χ^2/NDF:547758.3/24

Right Out: 0.003+/-0.000 χ^2/NDF: 9943013.2/30

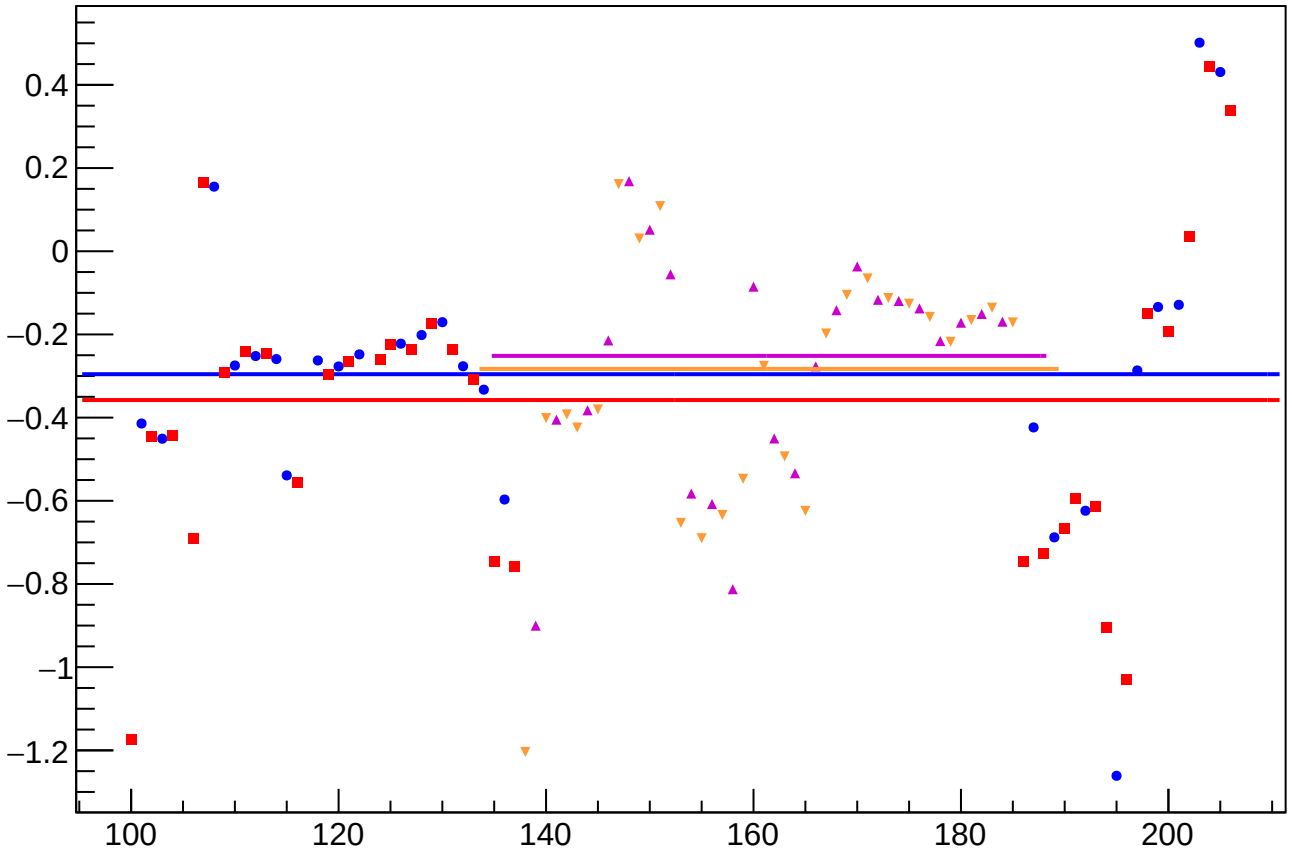
Left In: 0.003+/-0.000 χ^2/NDF:557113.5/22

+ sign 0.003+/-0.000 χ^2/NDF: 10209152.0/49

All: 0.003+/-0.000 χ^2/NDF: 20714716.3/103

- sign 0.003+/-0.000 χ^2/NDF: 10505556.1/53

yield_bpm0l07X_mean vs Slug



Right In: -0.296+/-0.000 χ^2/NDF: 7486207893.0/24

Left Out: -0.283+/-0.000 χ^2/NDF:9343511244.8/24

Right Out: -0.358+/-0.000 χ^2/NDF: 8753352939.0/30

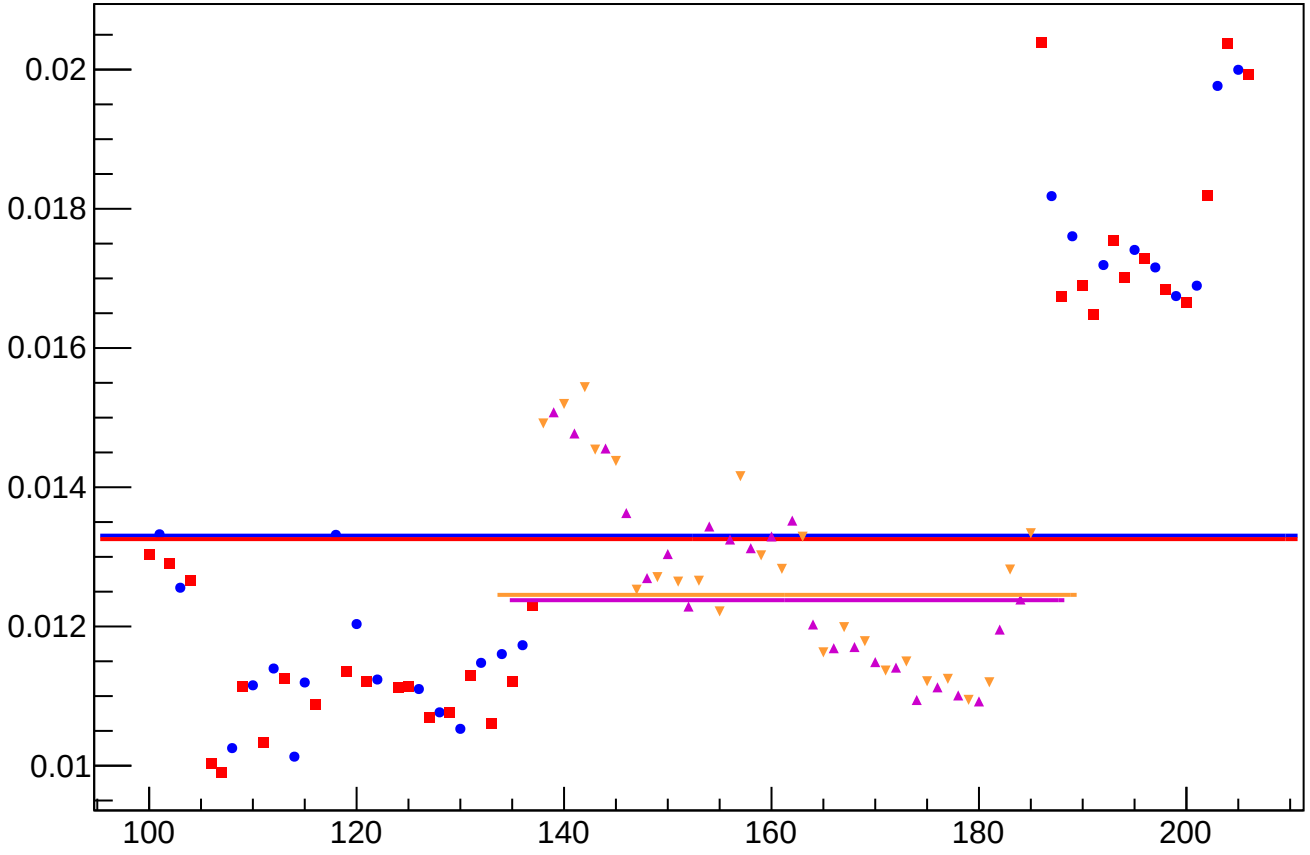
Left In: -0.252+/-0.000 χ^2/NDF:7167367678.6/22

+ sign -0.288+/-0.000 χ^2/NDF: 16837127236.3/49

All: -0.293+/-0.000 χ^2/NDF: 3331839599.7/

- sign -0.297+/-0.000 χ^2/NDF: 16471976185.4/53

yield_bpm0l07X_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 1289790.8/24

Left Out: 0.012+/-0.000 χ^2/NDF:341430.5/24

Right Out: 0.013+/-0.000 χ^2/NDF: 1765241.0/30

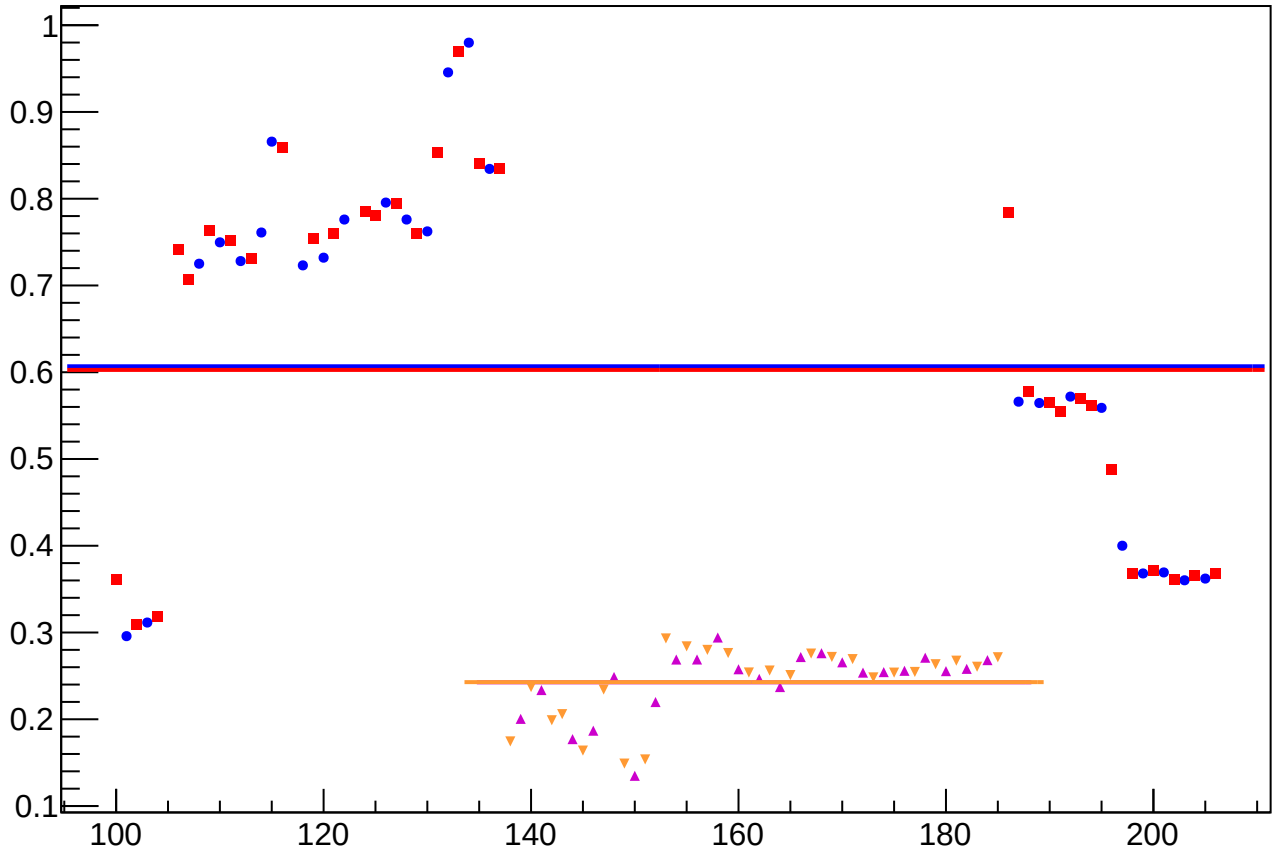
Left In: 0.012+/-0.000 χ^2/NDF:326925.9/22

+ sign 0.013+/-0.000 χ^2/NDF: 1696560.8/49

All: 0.013+/-0.000 χ^2/NDF: 3864055.3/103

- sign 0.013+/-0.000 χ^2/NDF: 2167384.2/53

yield_bpm0l07Y_mean vs Slug



Right In: 0.607+/-0.000 χ^2/NDF: 85164211264.4/24

Left Out: 0.243+/-0.000 χ^2/NDF:7290530687.7/24

Right Out: 0.603+/-0.000 χ^2/NDF: 85499510757.2/30

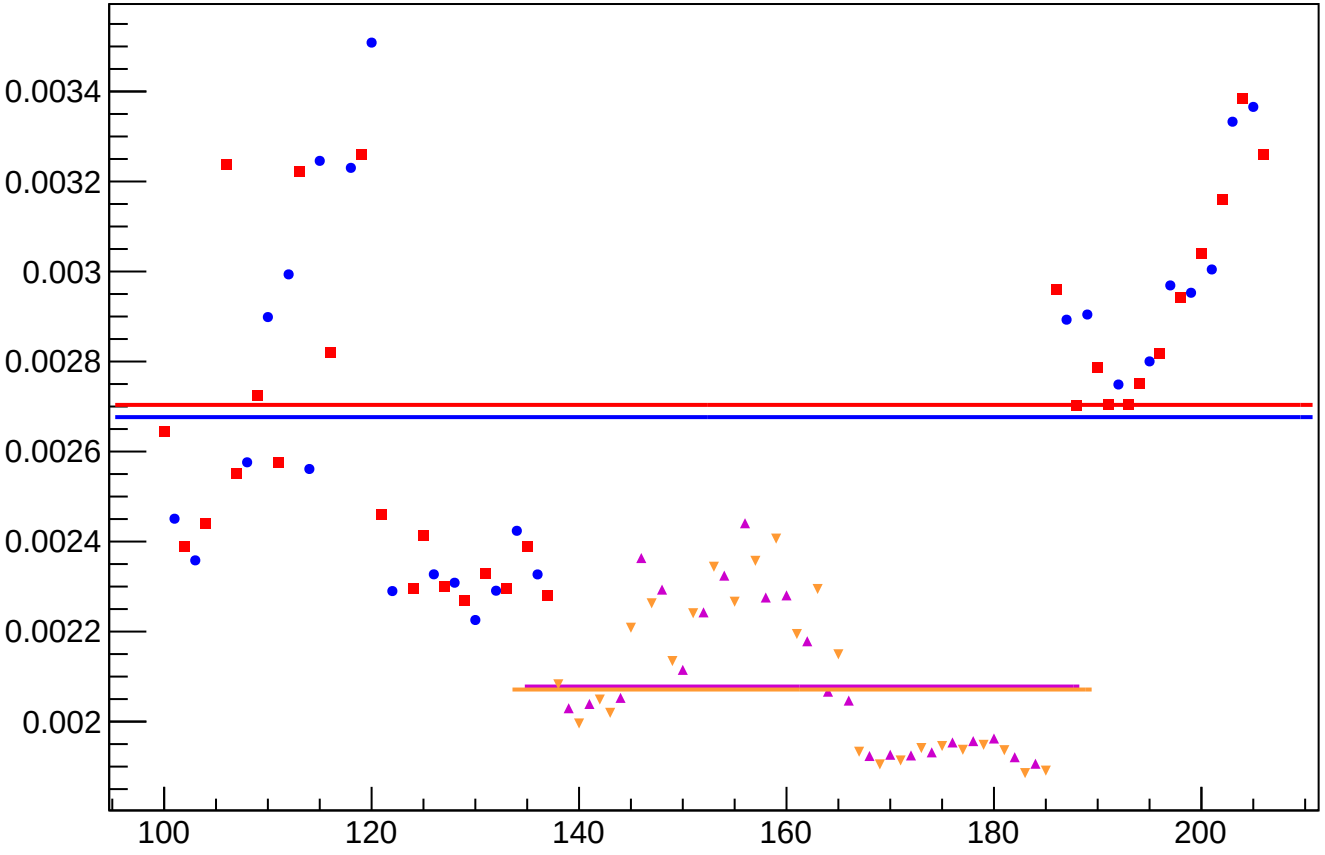
Left In: 0.243+/-0.000 χ^2/NDF:5781231269.1/22

+ sign 0.350+/-0.000 χ^2/NDF: 266566539370.2/49

All: 0.357+/-0.000 χ^2/NDF: 542125036408.5

- sign 0.364+/-0.000 χ^2/NDF: 274936364983.3/53

yield_bpm0l07Y_rms vs Slug



Right In: 0.003+/-0.000 χ^2/NDF: 500212.6/24

Left Out: 0.002+/-0.000 χ^2/NDF:233799.0/24

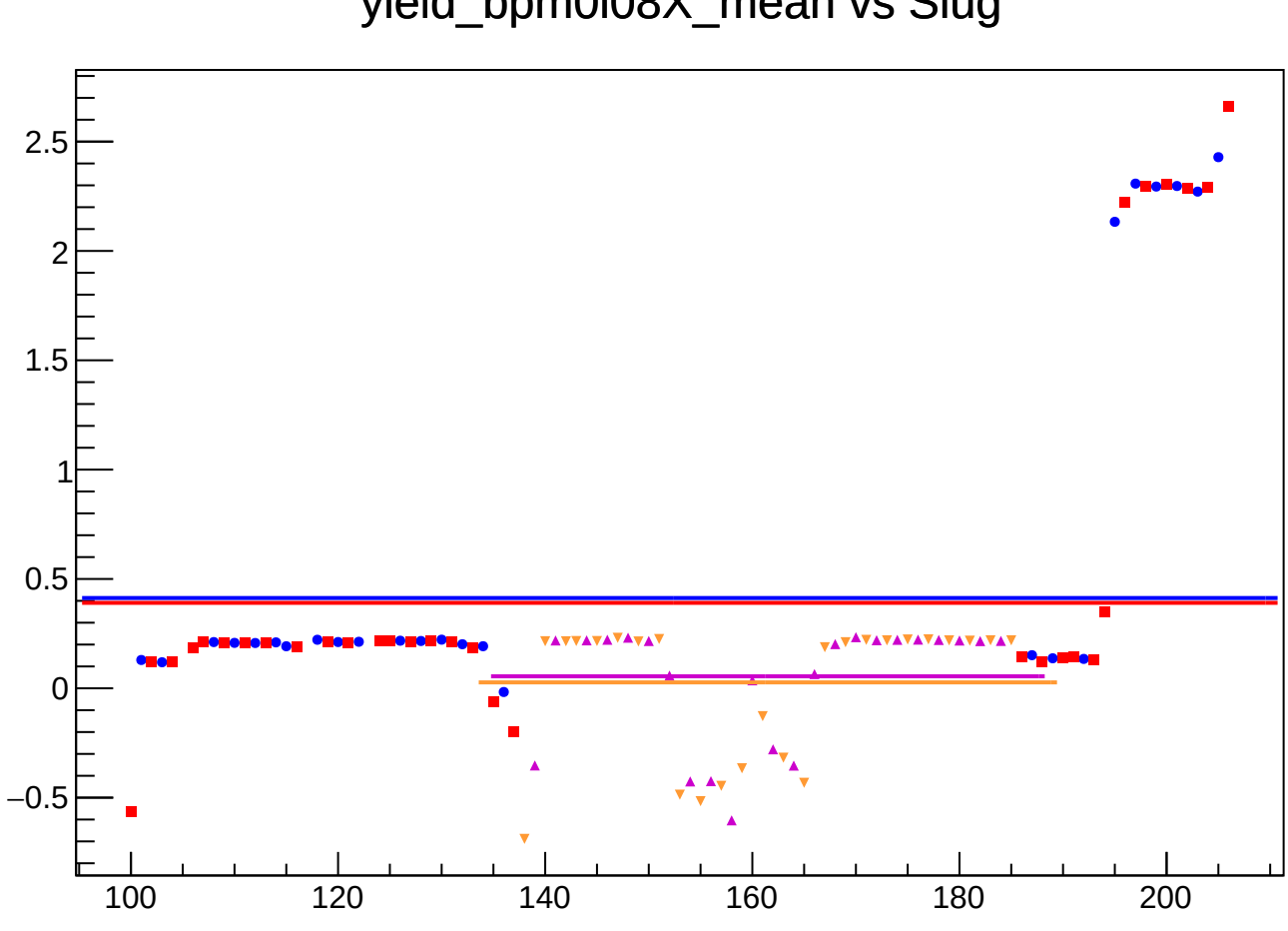
Right Out: 0.003+/-0.000 χ^2/NDF: 471848.6/30

Left In: 0.002+/-0.000 χ^2/NDF:211544.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 1696512.4/49

All: 0.002+/-0.000 χ^2/NDF: 3499010.6/103

- sign 0.002+/-0.000 χ^2/NDF: 1792631.1/53



Right In: 0.413+/-0.000 χ^2/NDF: 40097553390.8/24

Left Out: 0.027+/-0.000 χ^2/NDF:12975171876.0/24

Right Out: 0.391+/-0.000 χ^2/NDF: 46202043865.5/30

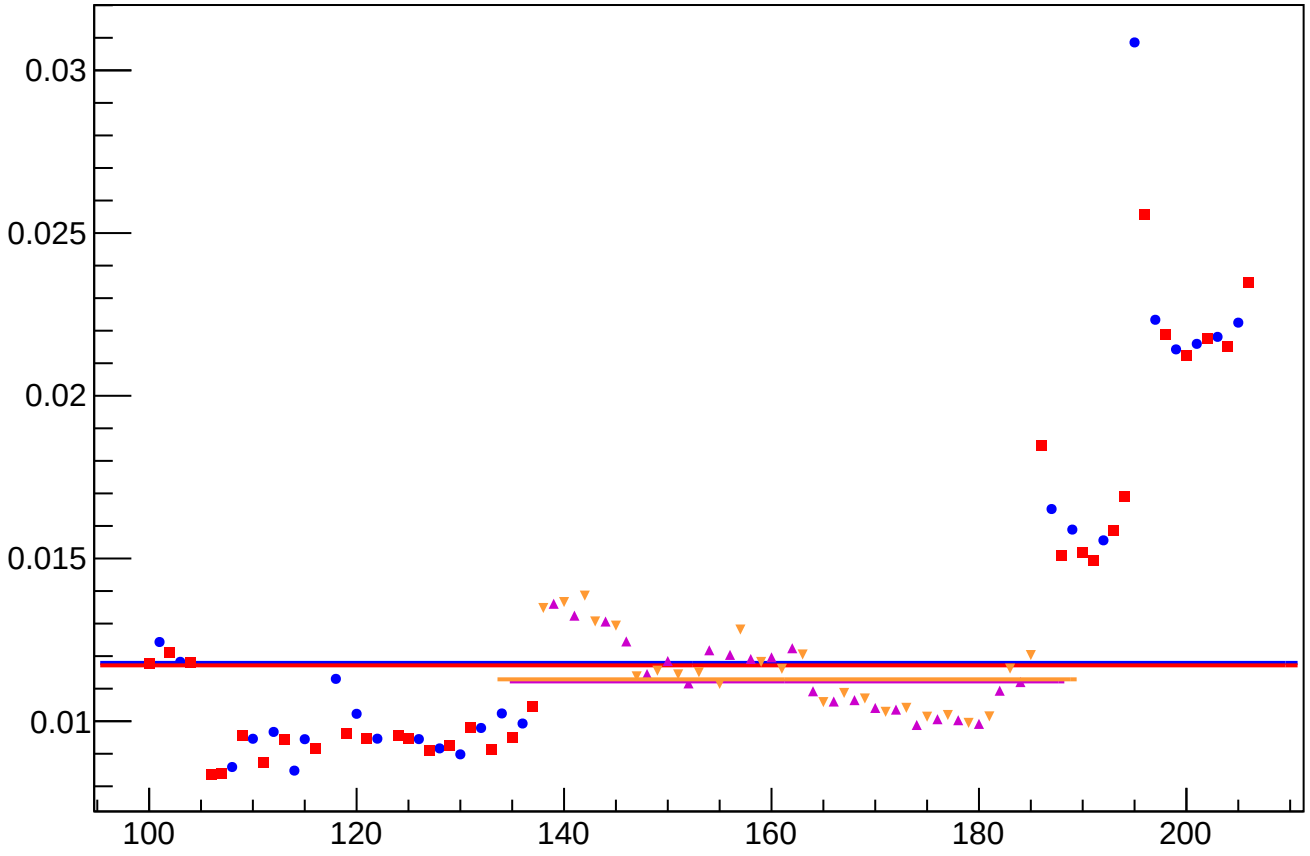
Left In: 0.055+/-0.000 χ^2/NDF:9704180322.0/22

+ sign 0.172+/-0.000 χ^2/NDF: 61121553859.0/49

All: 0.186+/-0.000 χ^2/NDF: 123765787578.4

- sign 0.199+/-0.000 χ^2/NDF: 62561701012.4/53

yield_bpm0l08X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 3352048.4/24

Left Out: 0.011+/-0.000 χ^2/NDF:328248.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 3813418.0/30

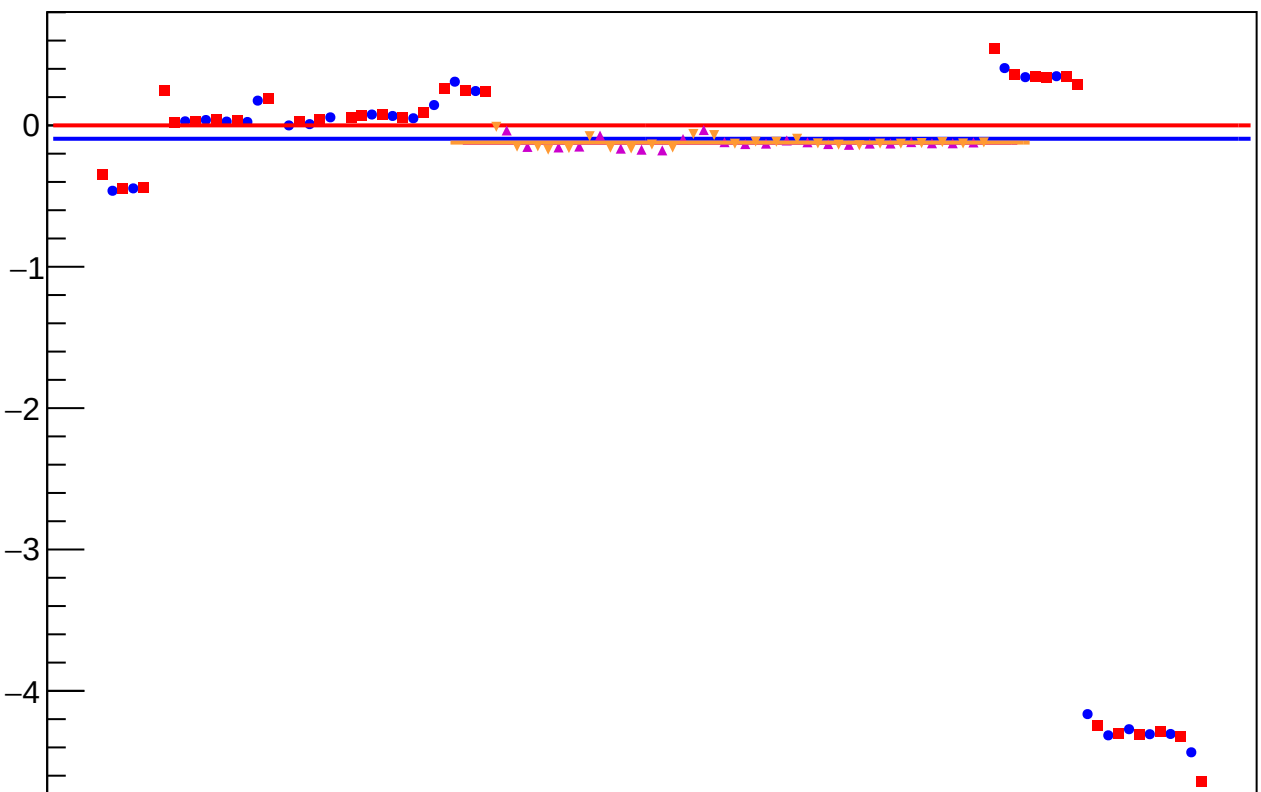
Left In: 0.011+/-0.000 χ^2/NDF:315246.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 3707879.6/49

All: 0.011+/-0.000 χ^2/NDF: 7865673.0/103

- sign 0.011+/-0.000 χ^2/NDF: 4157362.8/53

yield_bpm0l08Y_mean vs Slug



Right In: -0.095+/-0.000 χ^2/NDF: 300296773613.4/24

Left Out: -0.122+/-0.000 χ^2/NDF:2922583819.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 341680073955.0/30

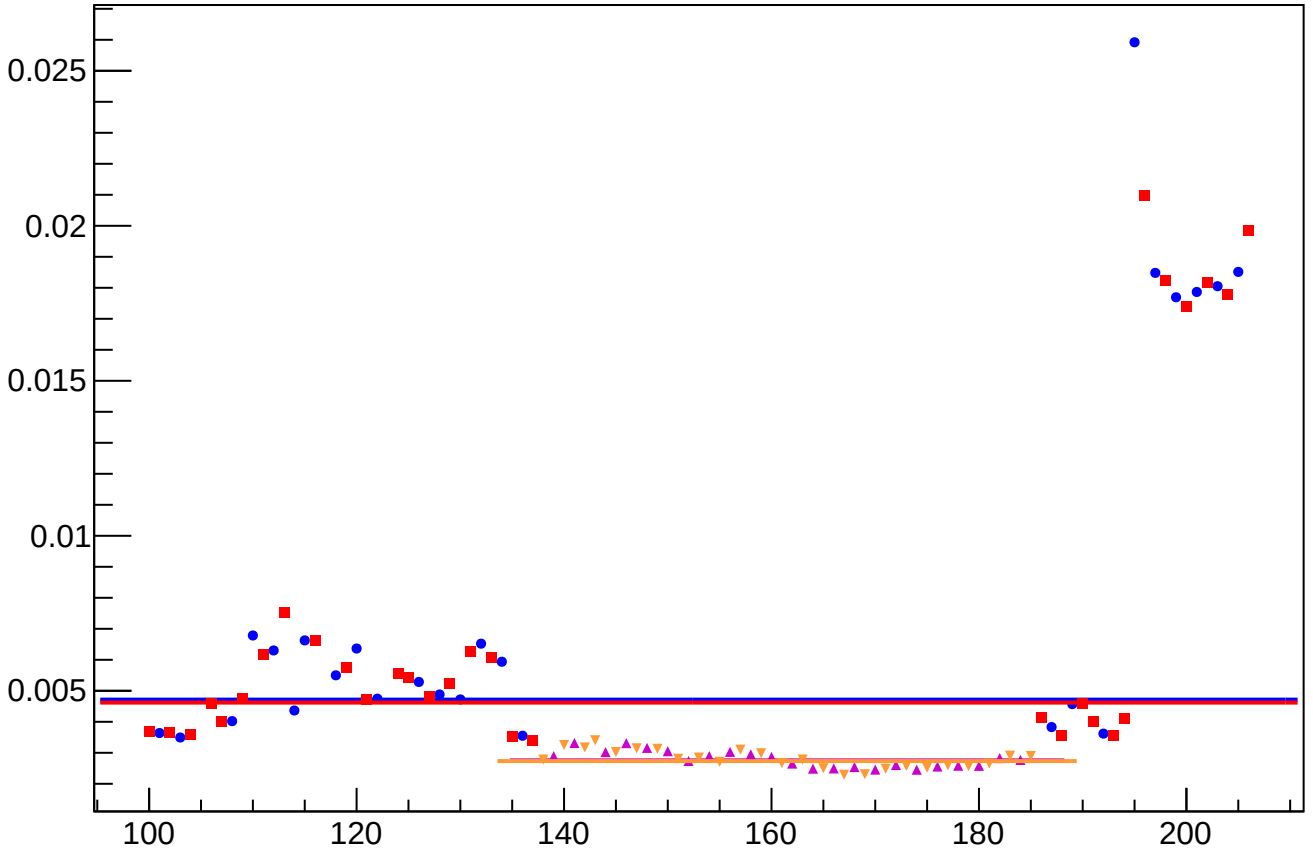
Left In: -0.124+/-0.000 χ^2/NDF:2809457047.2/22

+ sign -0.118+/-0.000 χ^2/NDF: 303494711430.8/49

All: -0.109+/-0.000 χ^2/NDF: 655280247930.1

- sign -0.100+/-0.000 χ^2/NDF: 351316346412.8/53

yield_bpm0l08Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 6766480.9/24

Left Out: 0.003+/-0.000 χ^2/NDF:391885.5/24

Right Out: 0.005+/-0.000 χ^2/NDF: 7015888.1/30

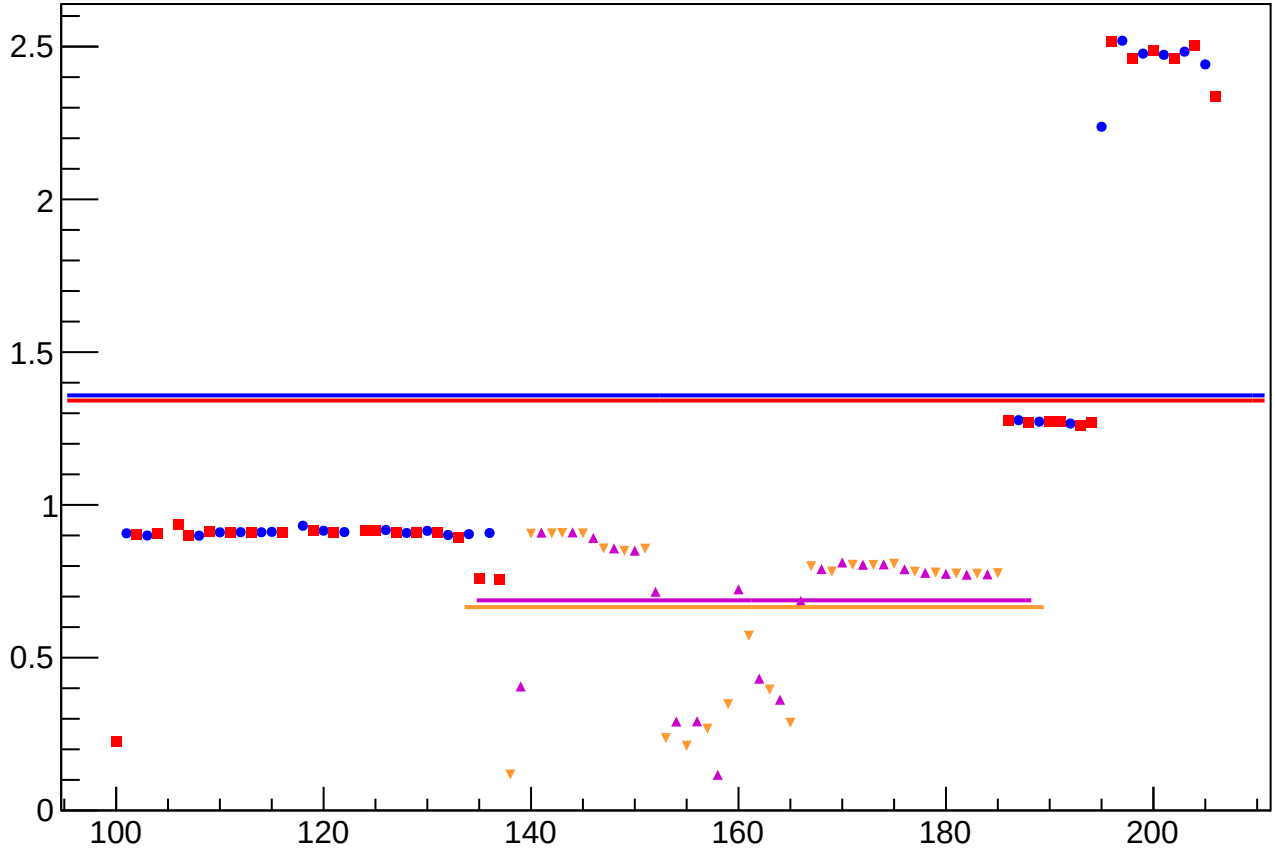
Left In: 0.003+/-0.000 χ^2/NDF:293113.7/22

+ sign 0.003+/-0.000 χ^2/NDF: 10096486.1/49

All: 0.003+/-0.000 χ^2/NDF: 20520084.7/103

- sign 0.003+/-0.000 χ^2/NDF: 10402853.4/53

yield_bpm0l09X_mean vs Slug



Right In: 1.358+/-0.000 χ^2/NDF: 40488031055.1/24

Left Out: 0.666+/-0.000 χ^2/NDF:9213839939.9/24

Right Out: 1.342+/-0.000 χ^2/NDF: 46378264196.3/30

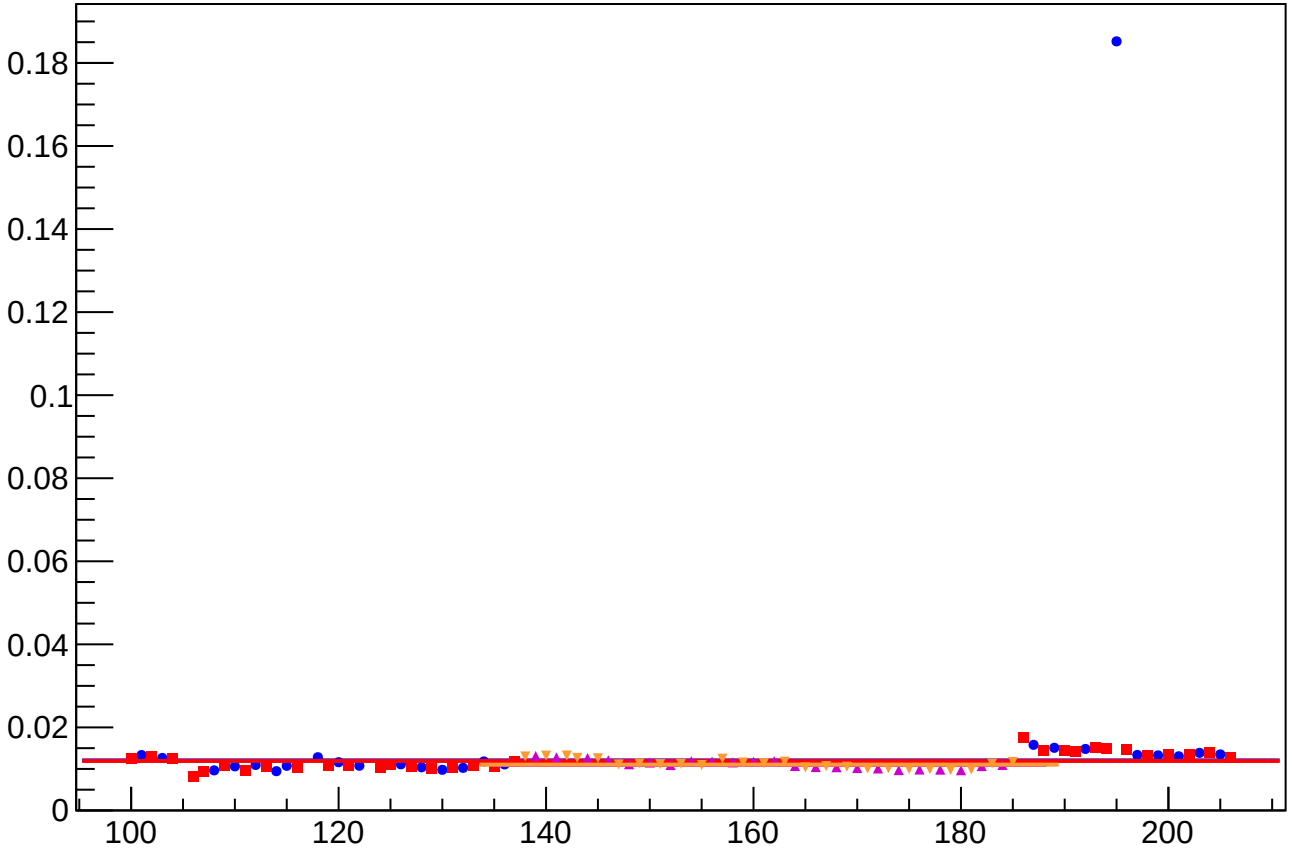
Left In: 0.688+/-0.000 χ^2/NDF:6999062215.3/22

+ sign 0.918+/-0.000 χ^2/NDF: 76210943713.1/49

All: 0.942+/-0.000 χ^2/NDF: 156013226722.8

- sign 0.964+/-0.000 χ^2/NDF: 79551489441.9/53

yield_bpm0l09X_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF: 1995926.5/24

Left Out: 0.011+/-0.000 χ^2/NDF:299445.0/24

Right Out: 0.012+/-0.000 χ^2/NDF: 786967.3/30

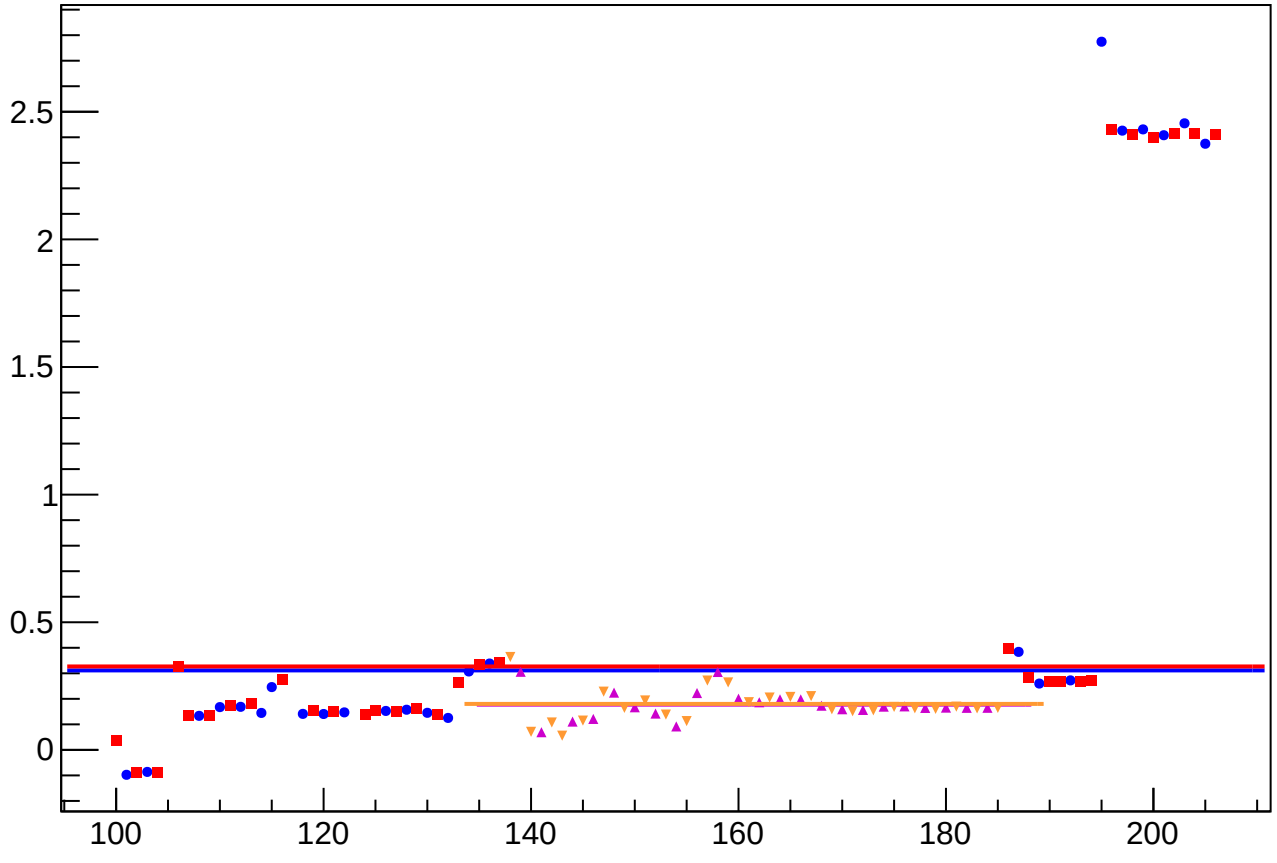
Left In: 0.011+/-0.000 χ^2/NDF:287650.0/22

+ sign 0.011+/-0.000 χ^2/NDF: 2410395.3/49

All: 0.011+/-0.000 χ^2/NDF: 3598753.8/103

- sign 0.011+/-0.000 χ^2/NDF: 1188140.5/53

yield_bpm0l09Y_mean vs Slug



Right In: 0.311+/-0.000 χ^2/NDF: 129547418830.1/24

Left Out: 0.180+/-0.000 χ^2/NDF:6448853953.3/24

Right Out: 0.327+/-0.000 χ^2/NDF: 140811633874.6/30

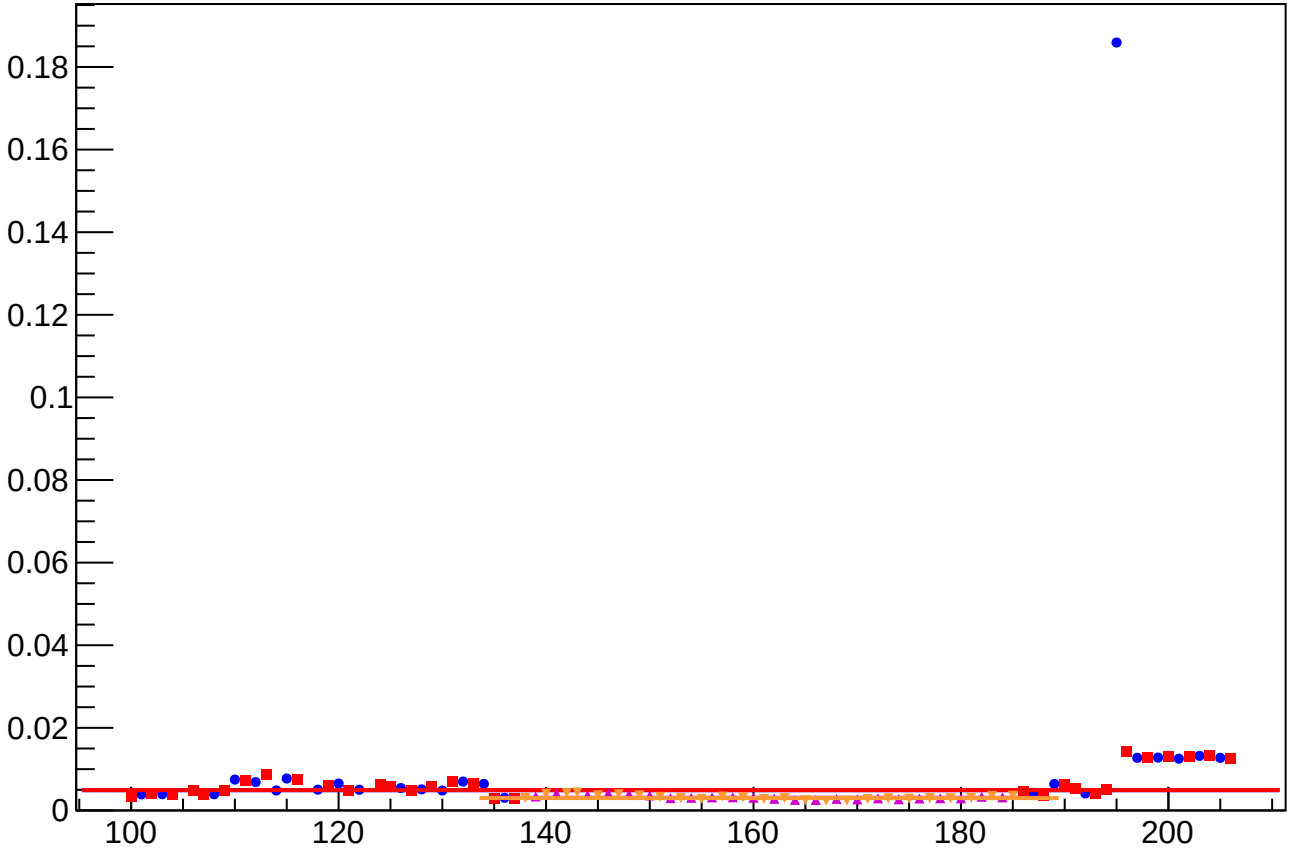
Left In: 0.177+/-0.000 χ^2/NDF:4620854117.7/22

+ sign 0.203+/-0.000 χ^2/NDF: 141805147620.4/49

All: 0.206+/-0.000 χ^2/NDF: 295842642842.9

- sign 0.209+/-0.000 χ^2/NDF: 153984773442.2/53

yield_bpm0l09Y_rms vs Slug



Right In: 0.005+/-0.000 χ^2/NDF: 6055387.7/24

Left Out: 0.003+/-0.000 χ^2/NDF:888350.2/24

Right Out: 0.005+/-0.000 χ^2/NDF: 5254901.4/30

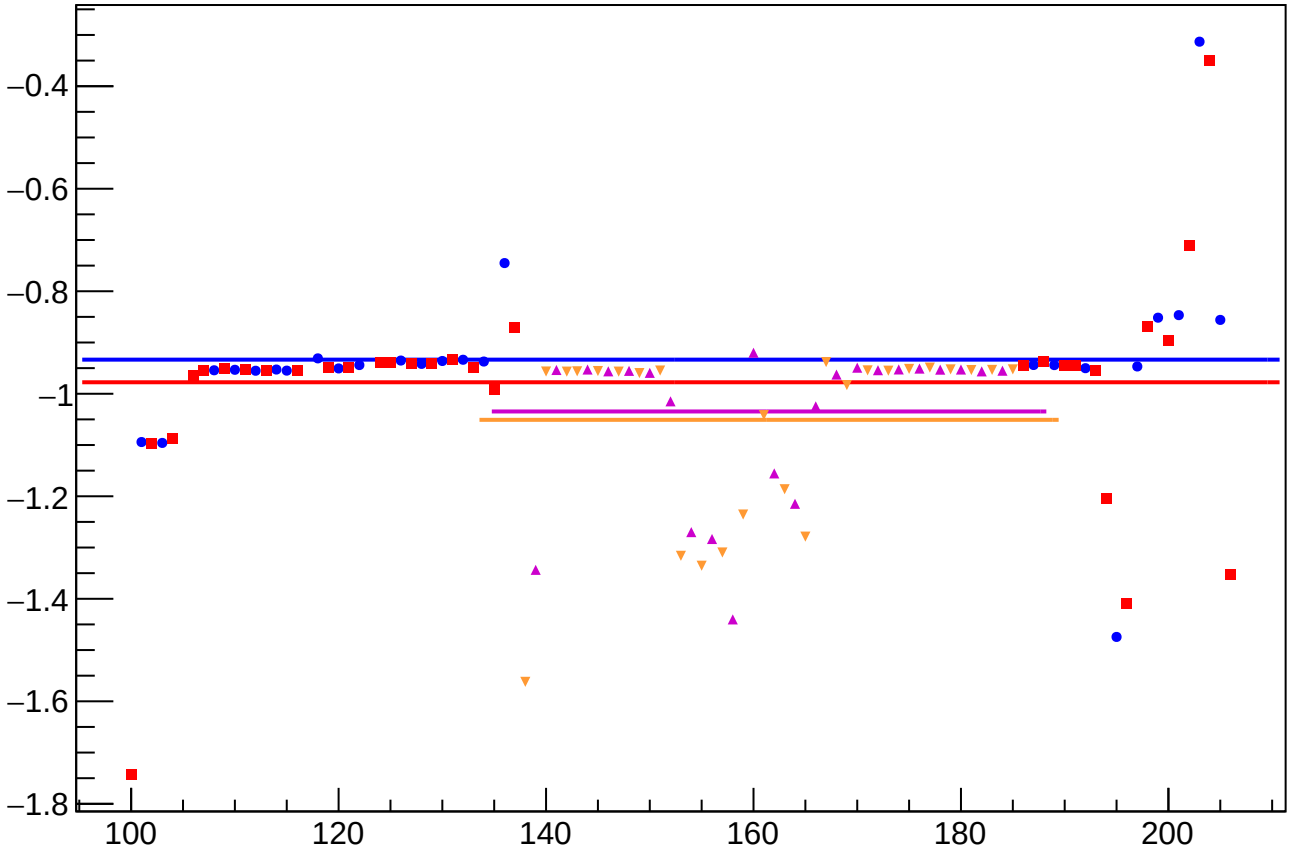
Left In: 0.003+/-0.000 χ^2/NDF:587459.6/22

+ sign 0.003+/-0.000 χ^2/NDF: 9363373.5/49

All: 0.003+/-0.000 χ^2/NDF: 17883203.3/103

- sign 0.003+/-0.000 χ^2/NDF: 8471140.1/53

yield_bpm0l10X_mean vs Slug



Right In: -0.933+/-0.000 χ^2/NDF: 3485936960.7/24

Left Out: -1.051+/-0.000 χ^2/NDF:5082084184.4/24

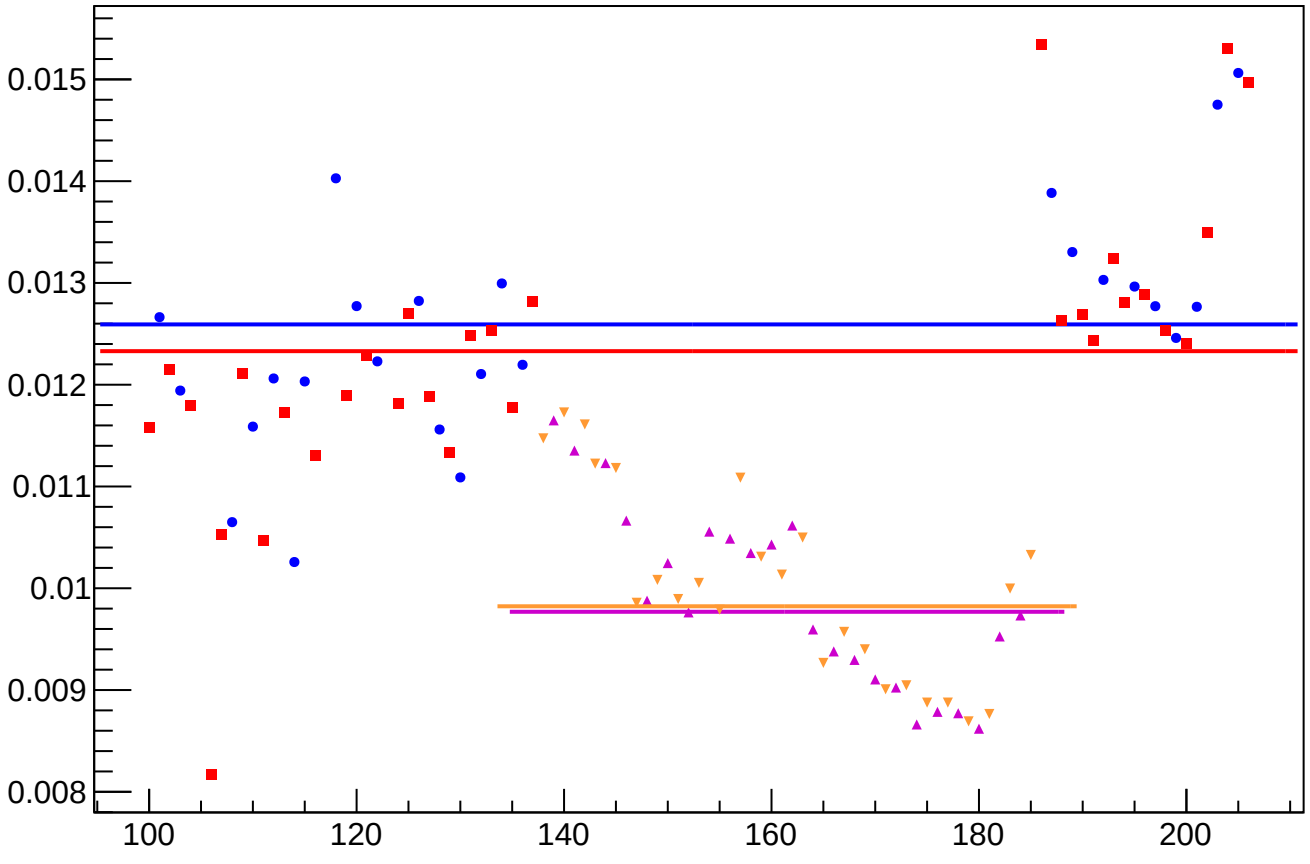
Right Out: -0.978+/-0.000 χ^2/NDF: 4082143119.4/30

Left In: -1.035+/-0.000 χ^2/NDF:3925761523.9/22

+ sign -1.015+/-0.000 χ^2/NDF: 9380178544.8/49

All: -1.014+/-0.000 χ^2/NDF: 17603283342.1/

- sign -1.014+/-0.000 χ^2/NDF: 8223016655.7/53



Right In: 0.013+/-0.000 χ^2/NDF: 180941.6/24

Left Out: 0.010+/-0.000 χ^2/NDF:293862.1/24

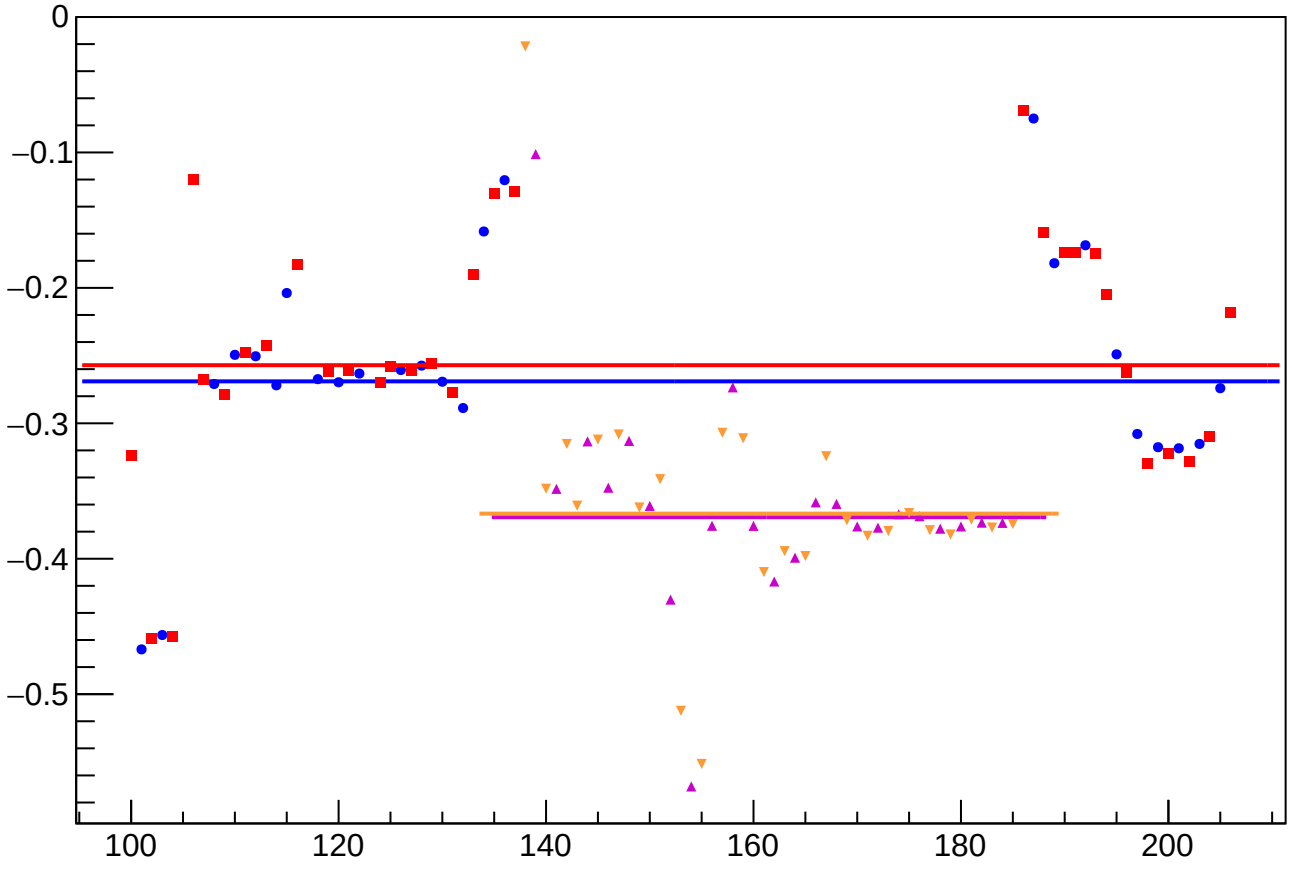
Right Out: 0.012+/-0.000 χ^2/NDF: 404517.4/30

Left In: 0.010+/-0.000 χ^2/NDF:281817.4/22

+ sign 0.011+/-0.000 χ^2/NDF: 1378368.2/49

All: 0.011+/-0.000 χ^2/NDF: 2934402.6/103

- sign 0.011+/-0.000 χ^2/NDF: 1555935.7/53



Right In: -0.269+/-0.000 χ^2/NDF: 7710395530.2/24

Left Out: -0.367+/-0.000 χ^2/NDF:11945266102.2/24

Right Out: -0.257+/-0.000 χ^2/NDF: 8313883953.4/30

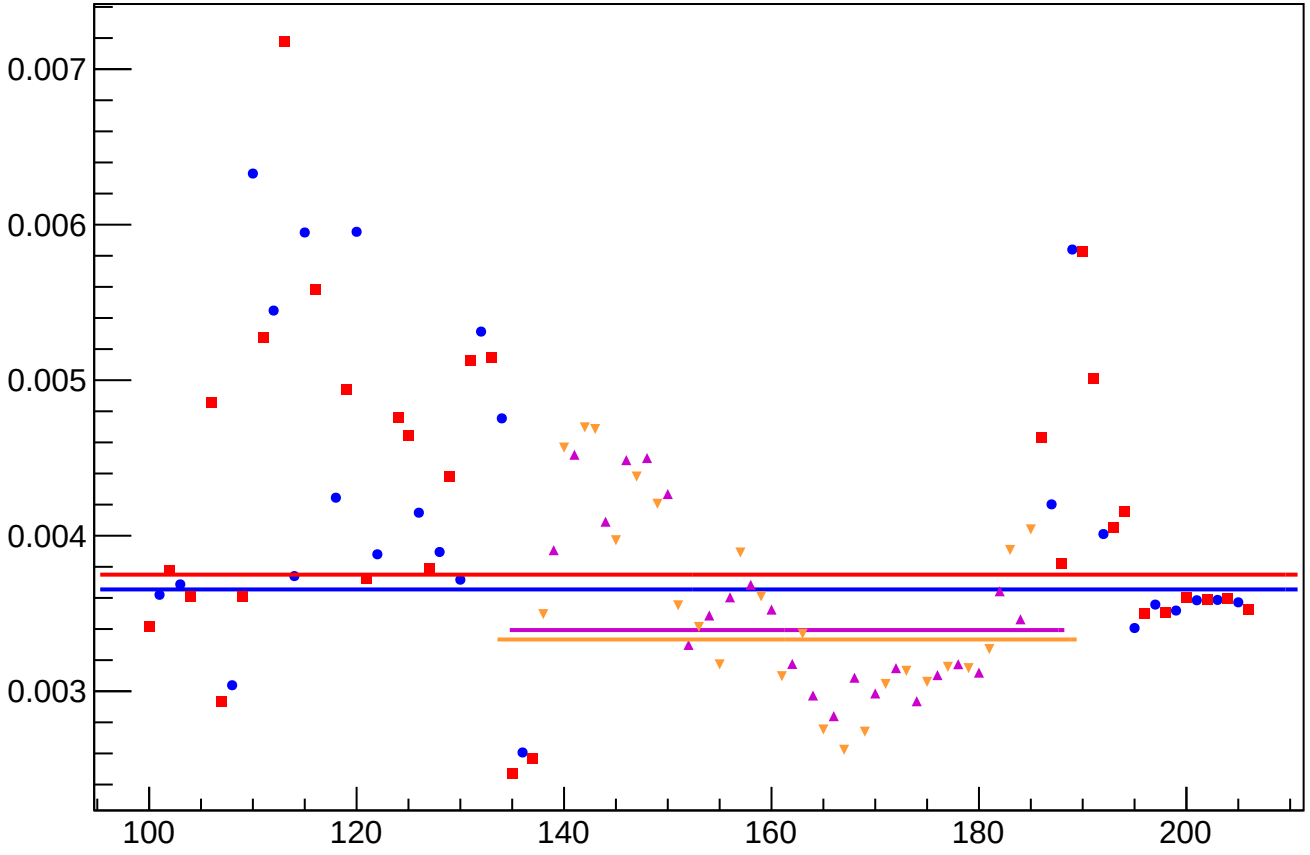
Left In: -0.369+/-0.000 χ^2/NDF:7581323027.3/22

+ sign -0.331+/-0.000 χ^2/NDF: 25208064990.7/49

All: -0.327+/-0.000 χ^2/NDF: 48777173268.8/

- sign -0.322+/-0.000 χ^2/NDF: 23483142487.5/53

yield_bpm0l10Y_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 903842.9/24

Left Out: 0.003+/-0.000 χ^2/NDF:857705.2/24

Right Out: 0.004+/-0.000 χ^2/NDF: 1091204.0/30

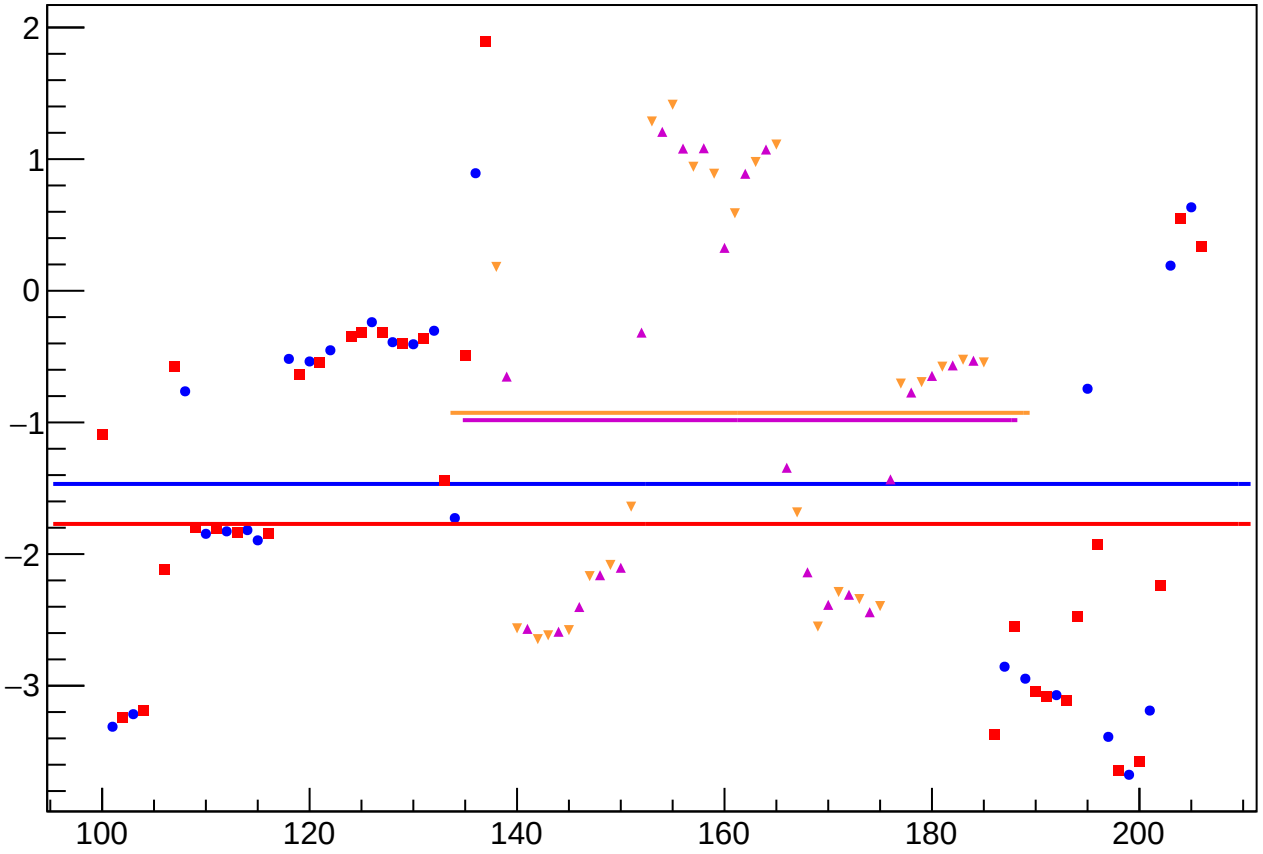
Left In: 0.003+/-0.000 χ^2/NDF:633604.8/22

+ sign 0.003+/-0.000 χ^2/NDF: 1882107.2/49

All: 0.003+/-0.000 χ^2/NDF: 3780497.0/103

- sign 0.004+/-0.000 χ^2/NDF: 1877792.6/53

yield_bpm0r03X_mean vs Slug



Right In: -1.467+/-0.000 χ^2/NDF: 5867407148.8/24

Left Out: -0.927+/-0.000 χ^2/NDF:7248712470.7/24

Right Out: -1.771+/-0.000 χ^2/NDF: 5376845991.2/30

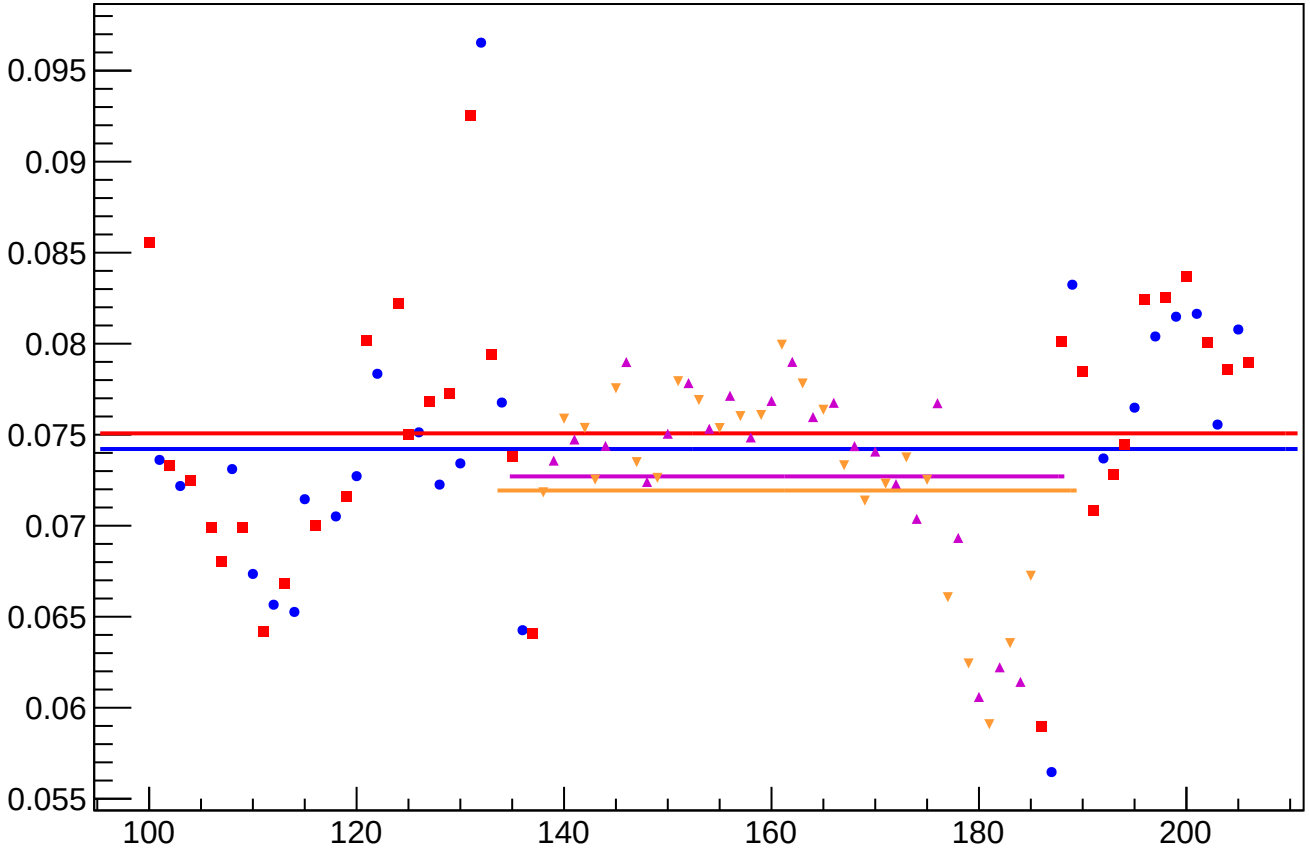
Left In: -0.983+/-0.000 χ^2/NDF:5918975536.0/22

+ sign -1.145+/-0.000 χ^2/NDF: 13548794801.7/49

All: -1.245+/-0.000 χ^2/NDF: 25929229173.9/

- sign -1.343+/-0.000 χ^2/NDF: 12258959287.9/53

yield_bpm0r03X_rms vs Slug



Right In: 0.074+/-0.000 χ^2/NDF: 217614.8/24

Left Out: 0.072+/-0.000 χ^2/NDF:235534.6/24

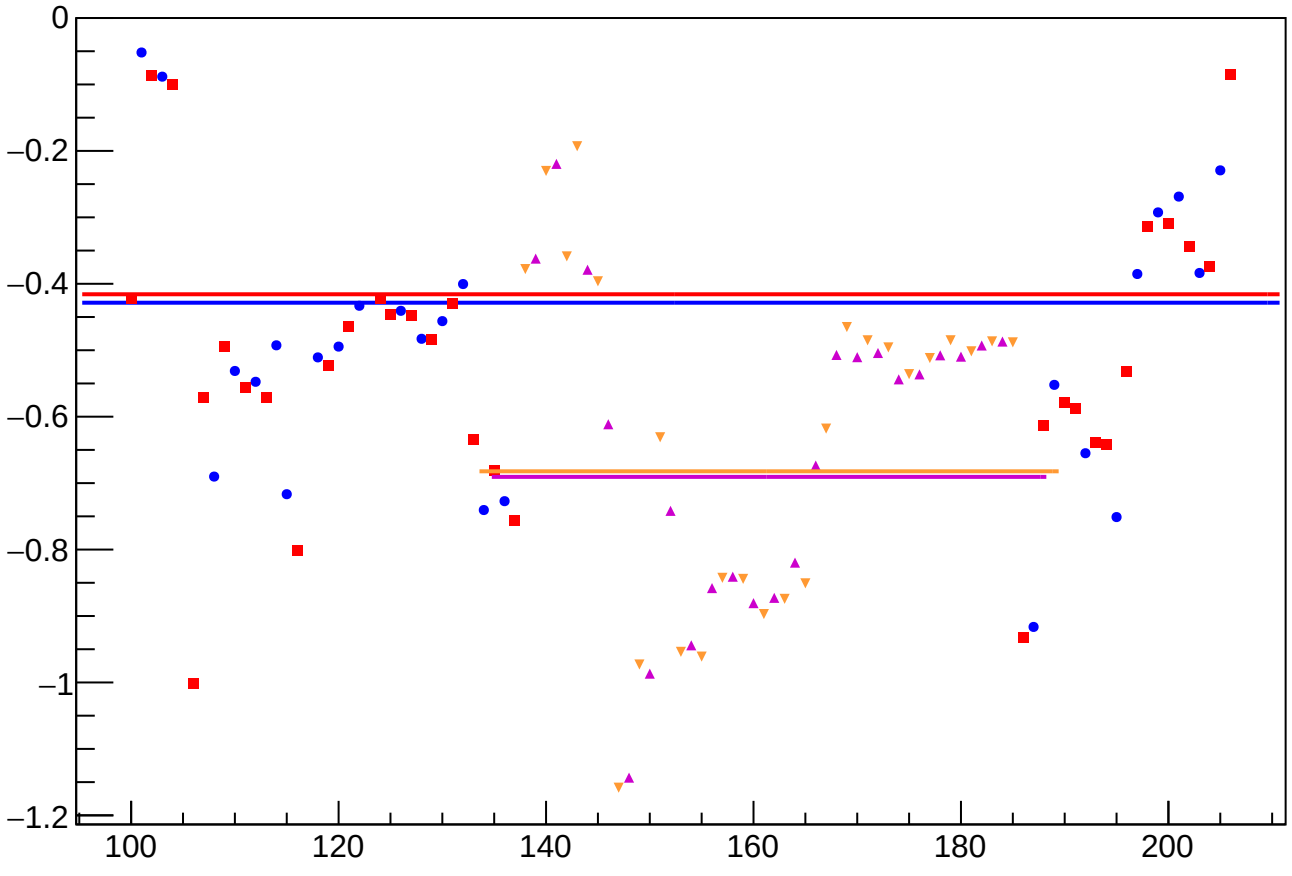
Right Out: 0.075+/-0.000 χ^2/NDF: 243910.3/30

Left In: 0.073+/-0.000 χ^2/NDF:197009.2/22

+ sign 0.073+/-0.000 χ^2/NDF: 468550.0/49

All: 0.073+/-0.000 χ^2/NDF: 932212.9/103

- sign 0.074+/-0.000 χ^2/NDF: 458245.0/53



Right In: -0.428+/-0.000 χ^2/NDF: 8201843293.2/24

Left Out: -0.682+/-0.000 χ^2/NDF:21823342960.4/24

Right Out: -0.416+/-0.000 χ^2/NDF: 8965842411.4/30

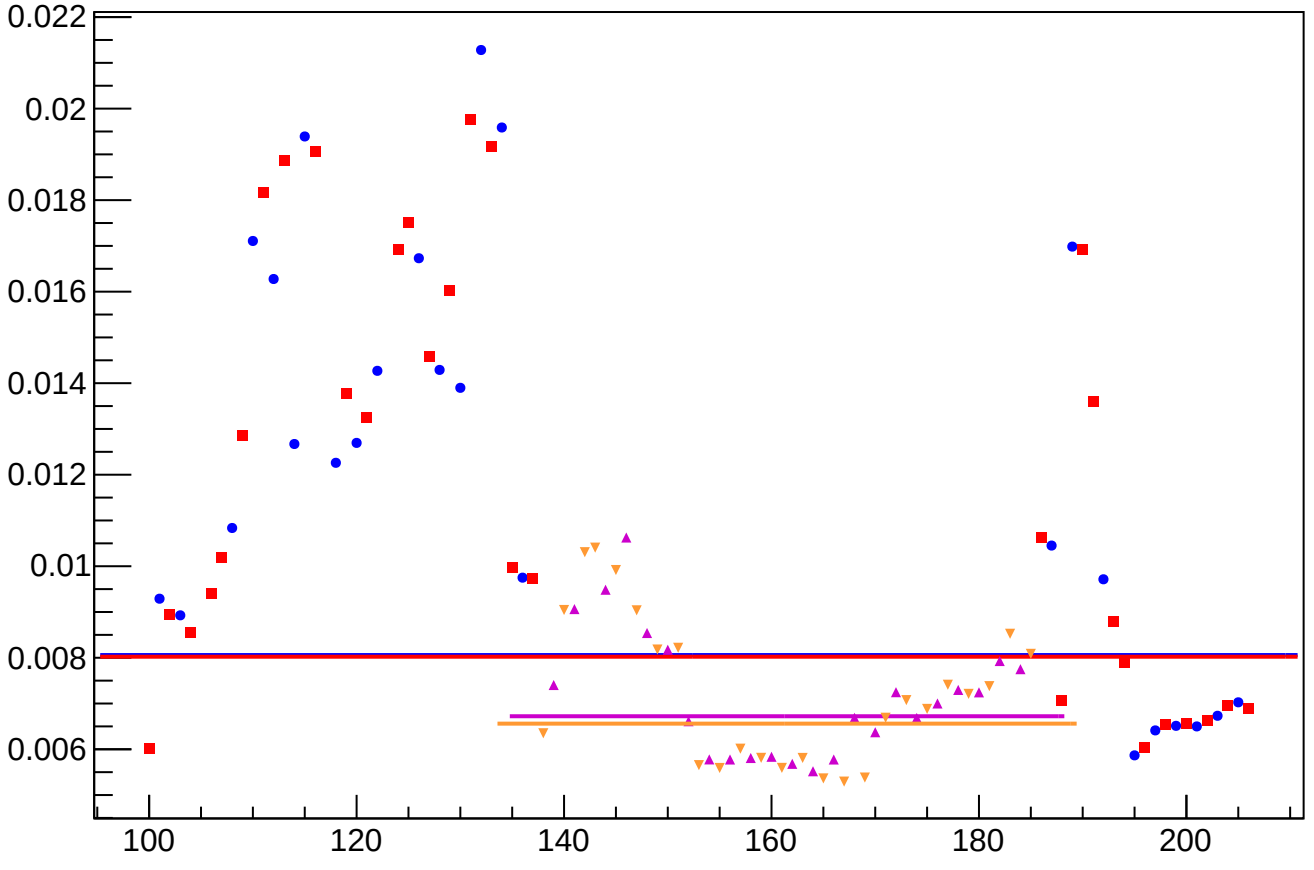
Left In: -0.691+/-0.000 χ^2/NDF:16867819938.3/22

+ sign -0.605+/-0.000 χ^2/NDF: 38008800379.3/49

All: -0.598+/-0.000 χ^2/NDF: 73970919212.0/

- sign -0.591+/-0.000 χ^2/NDF: 35906951866.6/53

yield_bpm0r03Y_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF: 2883132.7/24

Left Out: 0.007+/-0.000 χ^2/NDF:1404221.4/24

Right Out: 0.008+/-0.000 χ^2/NDF: 3116125.2/30

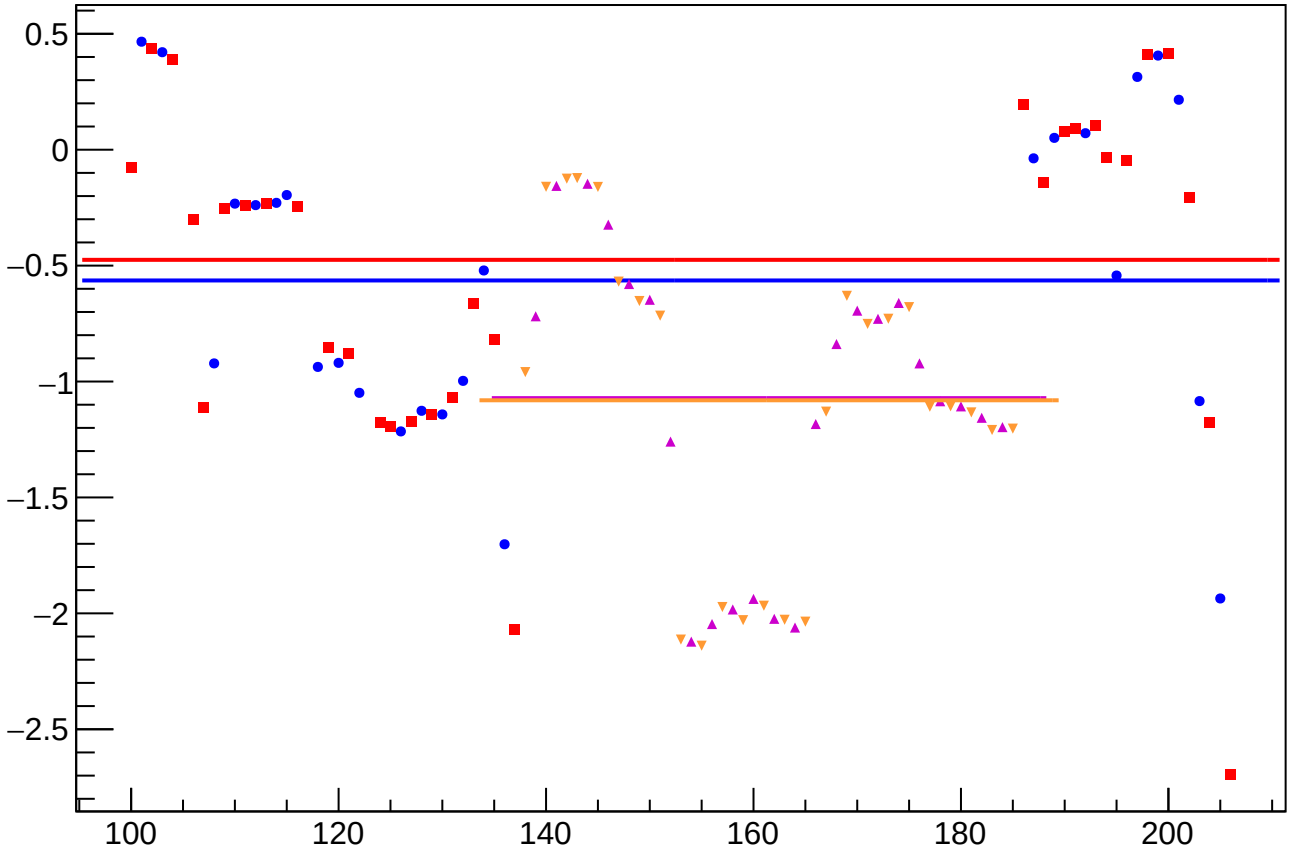
Left In: 0.007+/-0.000 χ^2/NDF:960755.3/22

+ sign 0.007+/-0.000 χ^2/NDF: 4844197.1/49

All: 0.007+/-0.000 χ^2/NDF: 9390544.5/103

- sign 0.007+/-0.000 χ^2/NDF: 4528305.9/53

yield_bpm0r05X_mean vs Slug



Right In: -0.564+/-0.000 χ^2/NDF: 925055173.8/24

Left Out: -1.081+/-0.000 χ^2/NDF:1152285460.9/24

Right Out: -0.475+/-0.000 χ^2/NDF: 1232528582.4/30

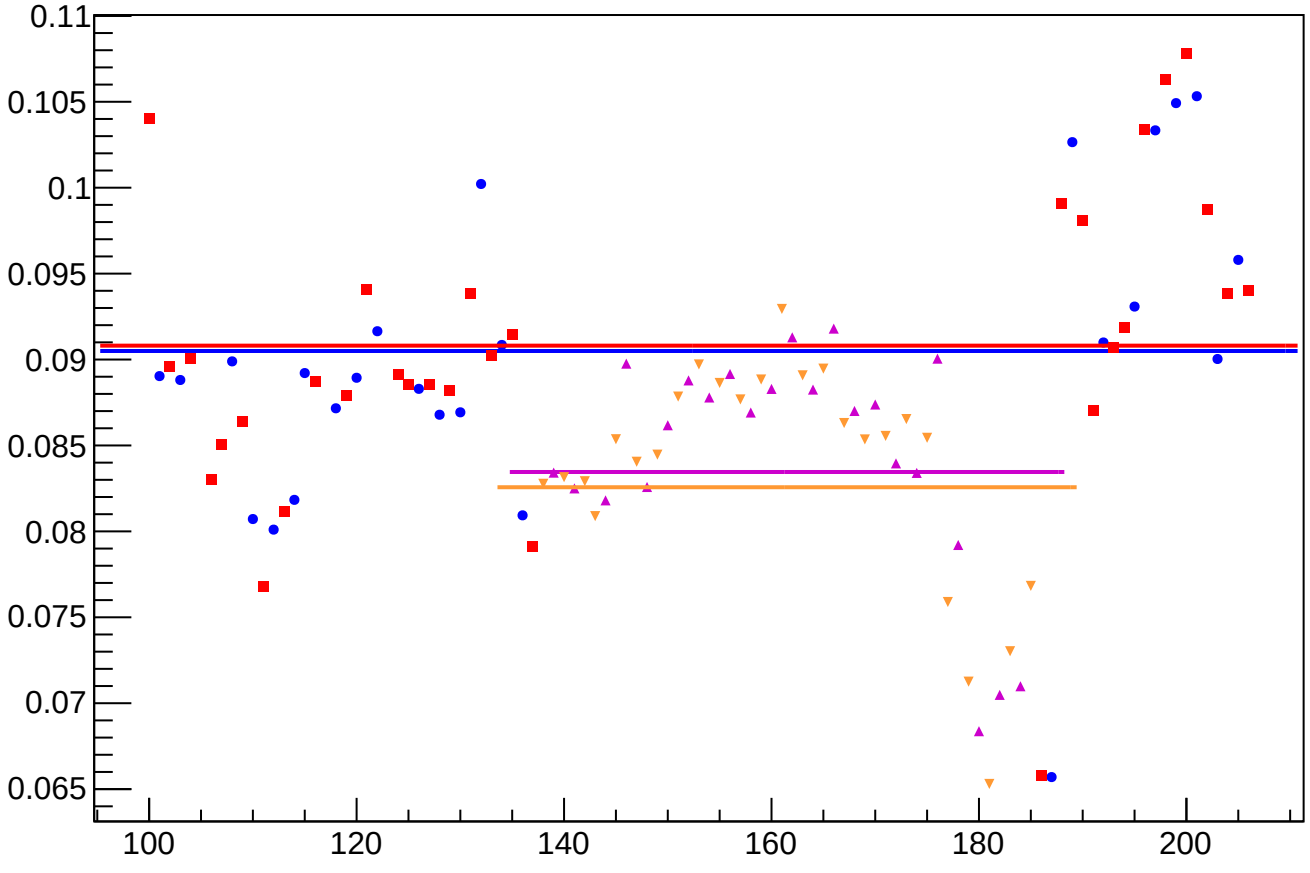
Left In: -1.072+/-0.000 χ^2/NDF:975623531.2/22

+ sign -0.886+/-0.000 χ^2/NDF: 2359663218.1/49

All: -0.850+/-0.000 χ^2/NDF: 4978161406.8/1

- sign -0.814+/-0.000 χ^2/NDF: 2606813024.6/53

yield_bpm0r05X_rms vs Slug



Right In: 0.090+/-0.000 χ^2/NDF: 234769.8/24

Left Out: 0.083+/-0.000 χ^2/NDF:291134.3/24

Right Out: 0.091+/-0.000 χ^2/NDF: 327542.9/30

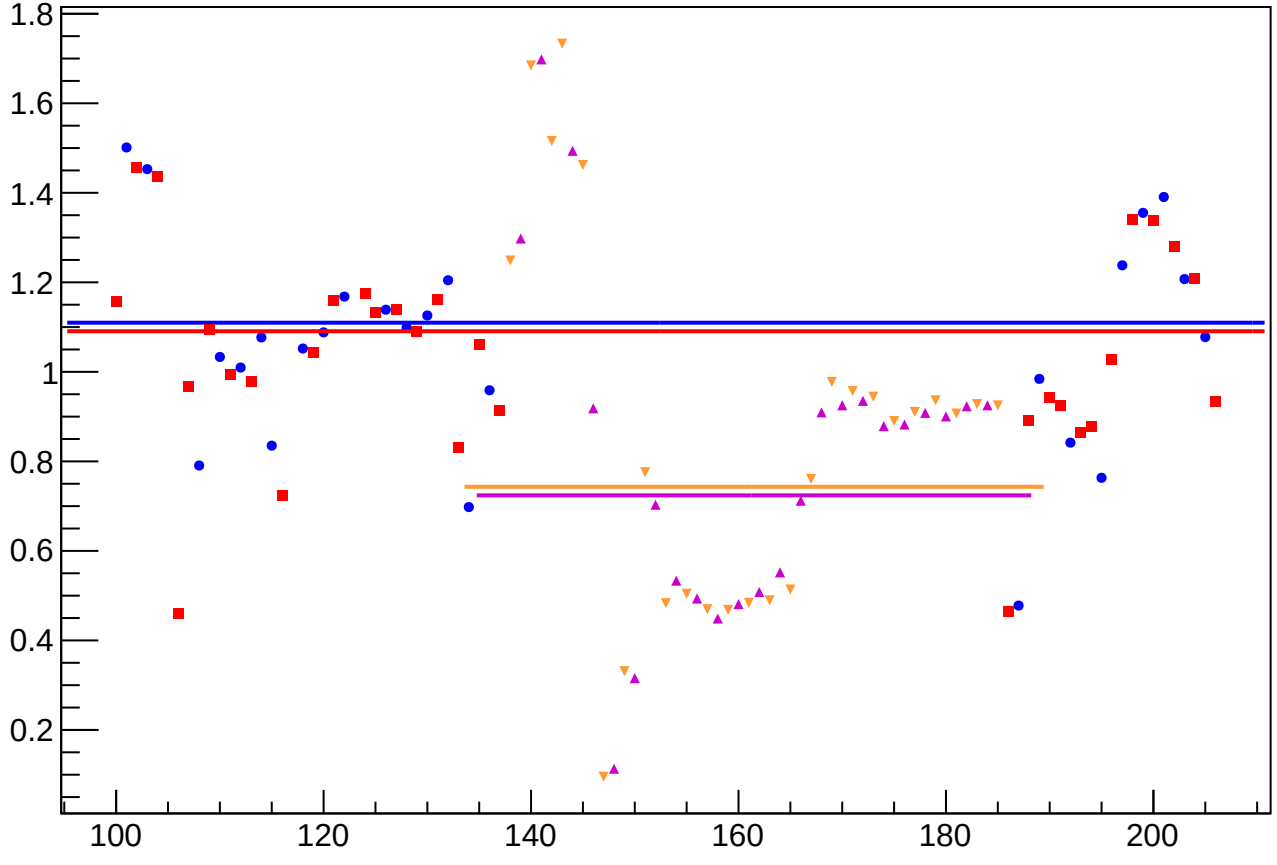
Left In: 0.083+/-0.000 χ^2/NDF:238412.3/22

+ sign 0.086+/-0.000 χ^2/NDF: 658768.7/49

All: 0.086+/-0.000 χ^2/NDF: 1351041.3/103

- sign 0.087+/-0.000 χ^2/NDF: 687079.0/53

yield_bpm0r05Y_mean vs Slug



Right In: 1.110+/-0.000 χ^2/NDF: 5003332598.8/24

Left Out: 0.743+/-0.000 χ^2/NDF:32581746516.6/24

Right Out: 1.091+/-0.000 χ^2/NDF: 4960508288.2/30

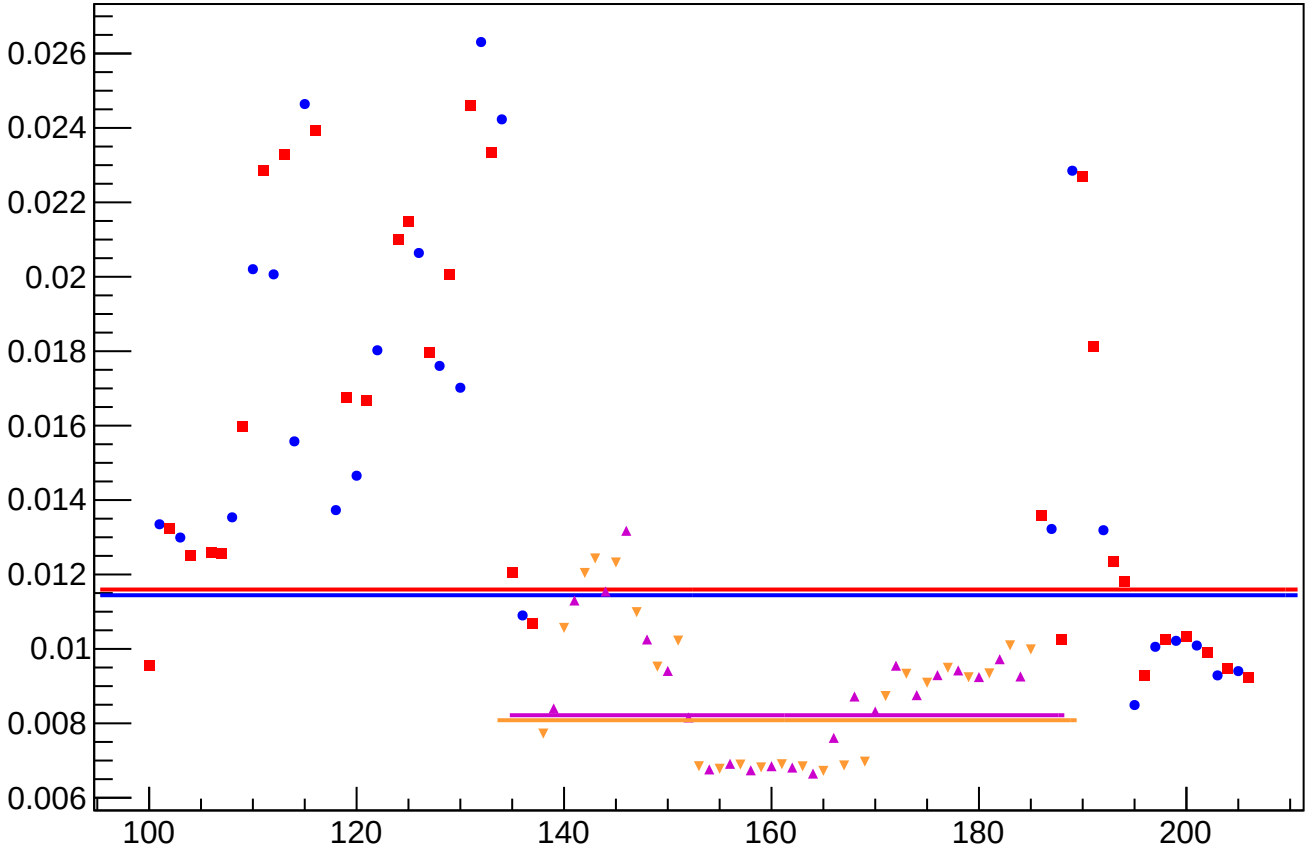
Left In: 0.724+/-0.000 χ^2/NDF:25654534031.9/22

+ sign 0.836+/-0.000 χ^2/NDF: 46783829315.8/49

All: 0.834+/-0.000 χ^2/NDF: 87211493361.0/1

- sign 0.832+/-0.000 χ^2/NDF: 40425467319.3/53

yield_bpm0r05Y_rms vs Slug



Right In: 0.011+/-0.000 χ^2/NDF: 1996805.8/24

Left Out: 0.008+/-0.000 χ^2/NDF:1406307.1/24

Right Out: 0.012+/-0.000 χ^2/NDF: 2222365.1/30

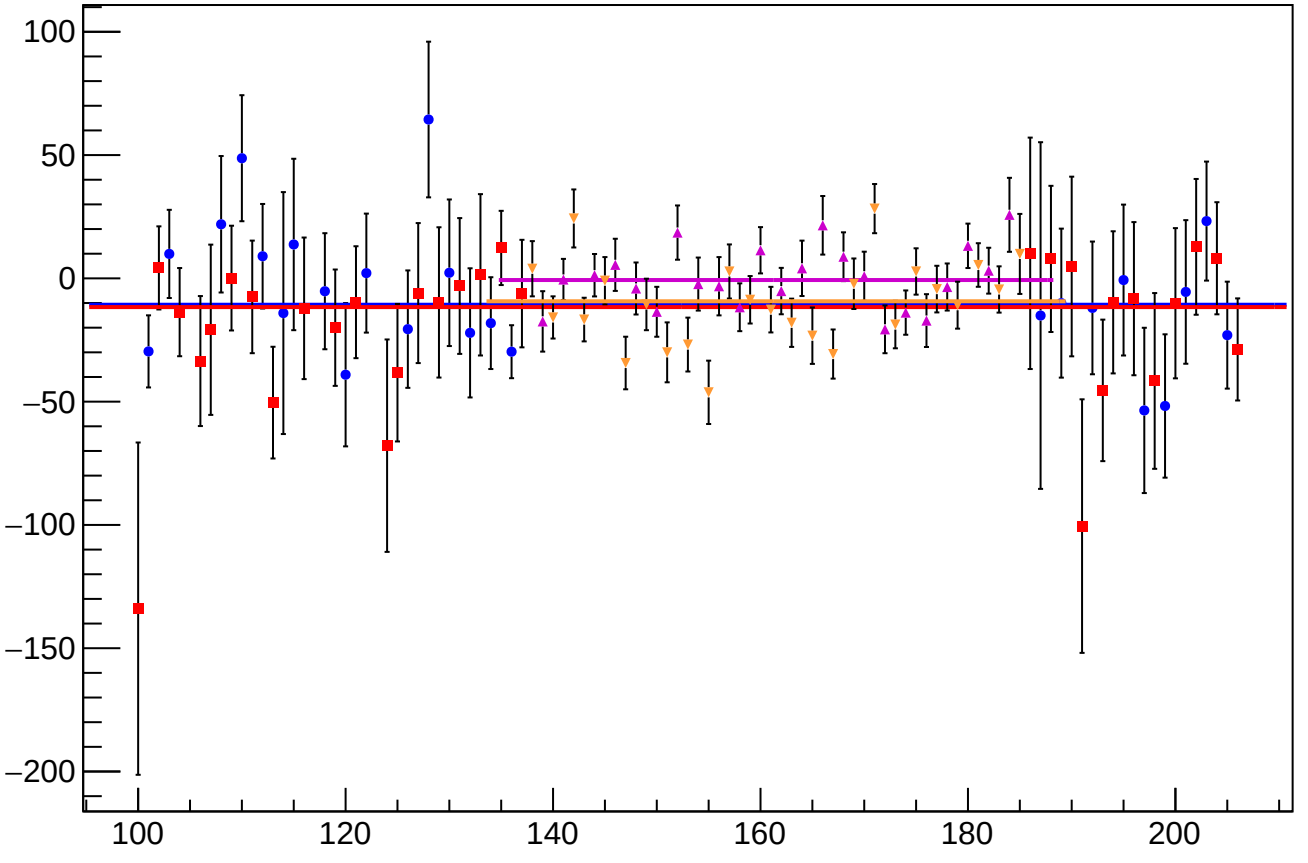
Left In: 0.008+/-0.000 χ^2/NDF:1127833.6/22

+ sign 0.009+/-0.000 χ^2/NDF: 4947025.2/49

All: 0.009+/-0.000 χ^2/NDF: 9991522.2/103

- sign 0.009+/-0.000 χ^2/NDF: 5015988.7/53

diff_bpm4aX_mean vs Slug



Right In: -10.697+/-4.634 χ^2/NDF: 28.0/24

Left Out: -9.292+/-2.031 χ^2/NDF:61.1/24

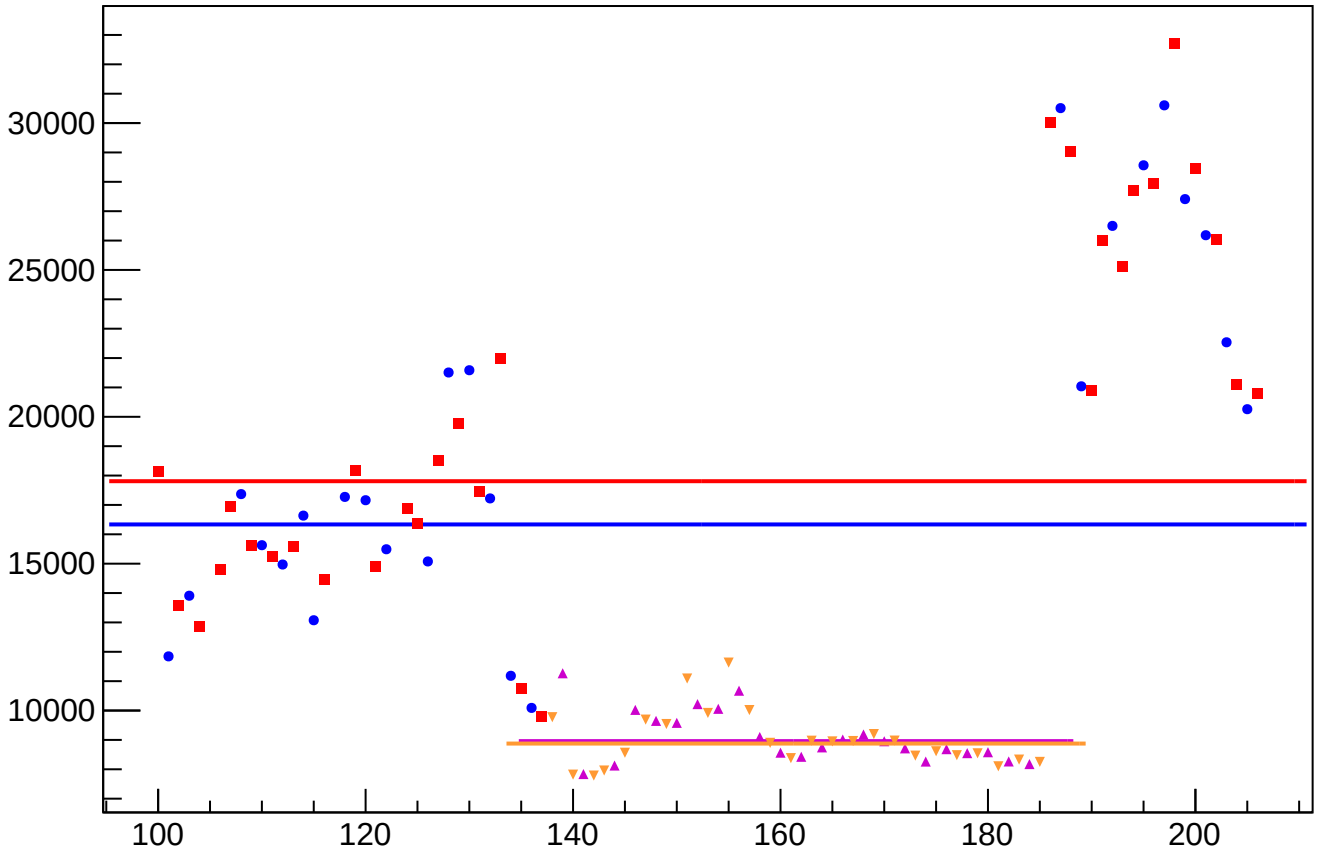
Right Out: -11.650+/-4.626 χ^2/NDF: 22.1/30

Left In: -0.676+/-2.104 χ^2/NDF:29.4/22

+ sign -9.518+/-1.860 χ^2/NDF: 89.3/49

All: -6.140+/-1.334 χ^2/NDF: 152.2/103

- sign -2.557+/-1.915 χ^2/NDF: 56.1/53



Right In: 16335.744+/-3.277 χ^2/NDF: 3029915.0/24

Left Out: 8875.623+/-1.436 χ^2/NDF:346964.6/24

Right Out: 17807.844+/-3.271 χ^2/NDF: 3112979.4/30

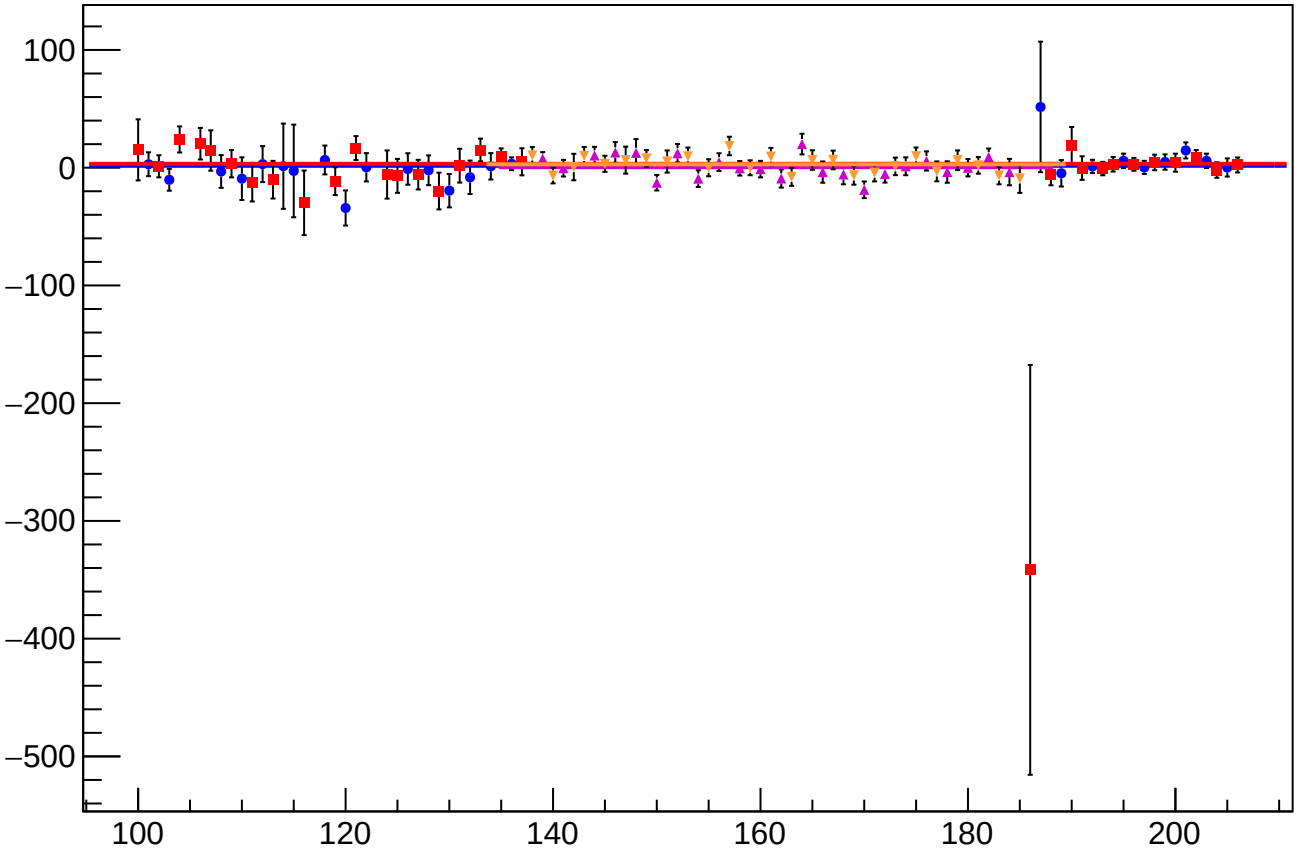
Left In: 8958.661+/-1.488 χ^2/NDF:301724.6/22

\+ sign 10077.319+/-1.315 χ^2/NDF: 7725249.0/49

All: 10270.544+/-0.944 χ^2/NDF: 17247560.0

\- sign 10475.478+/-1.354 χ^2/NDF: 9477828.5/53

diff_bpm4aY_mean vs Slug



Right In: 1.645+/-1.814 χ^2/NDF: 17.1/24

Left Out: 2.879+/-1.554 χ^2/NDF:19.5/24

Right Out: 3.299+/-1.684 χ^2/NDF: 25.7/30

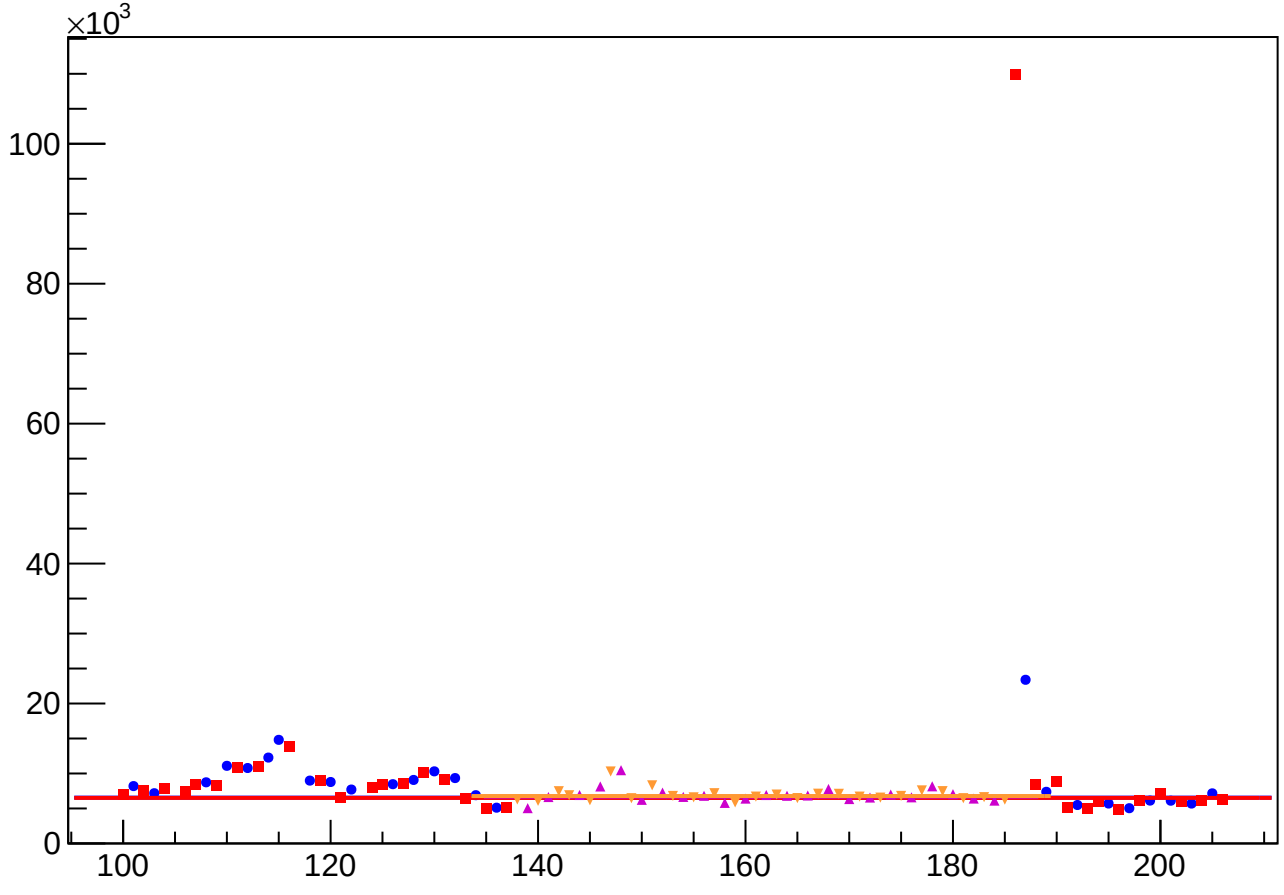
Left In: 0.456+/-1.581 χ^2/NDF:32.8/22

+ sign 2.357+/-1.180 χ^2/NDF: 36.9/49

All: 2.066+/-0.825 χ^2/NDF: 97.0/103

- sign 1.788+/-1.153 χ^2/NDF: 60.0/53

diff_bpm4aY_rms vs Slug



Right In: 6549.230+/-1.282 χ^2/NDF: 1669928.0/24

Left Out: 6776.739+/-1.099 χ^2/NDF:400166.7/24

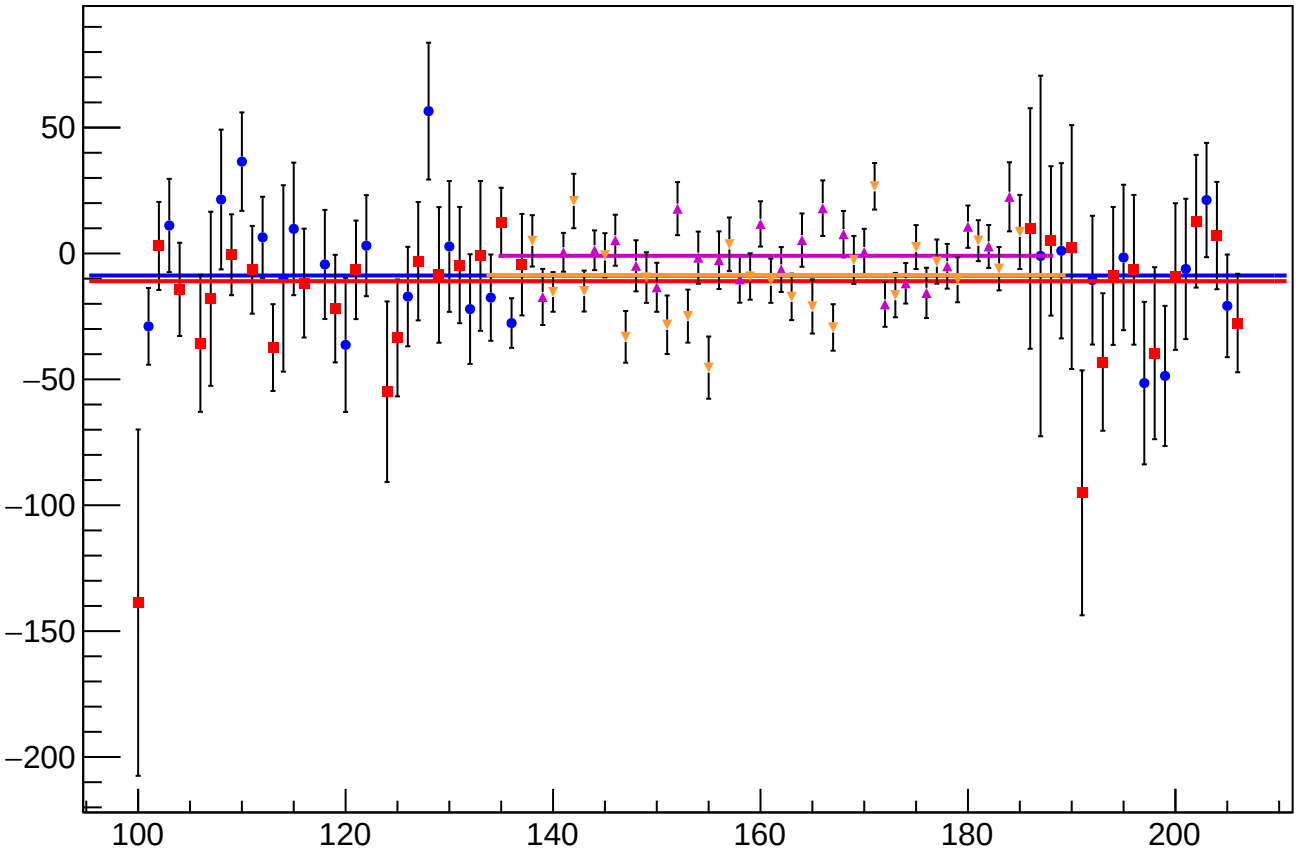
Right Out: 6511.951+/-1.191 χ^2/NDF: 2334100.4/30

Left In: 6689.550+/-1.118 χ^2/NDF:620276.8/22

+ sign 6680.436+/-0.834 χ^2/NDF: 2088245.7/49

All: 6642.507+/-0.583 χ^2/NDF: 5058484.3/10

- sign 6606.309+/-0.815 χ^2/NDF: 2966199.7/53



Right In: -8.748+/-4.226 χ^2/NDF: 28.8/24

Left Out: -8.536+/-1.897 χ^2/NDF:61.9/24

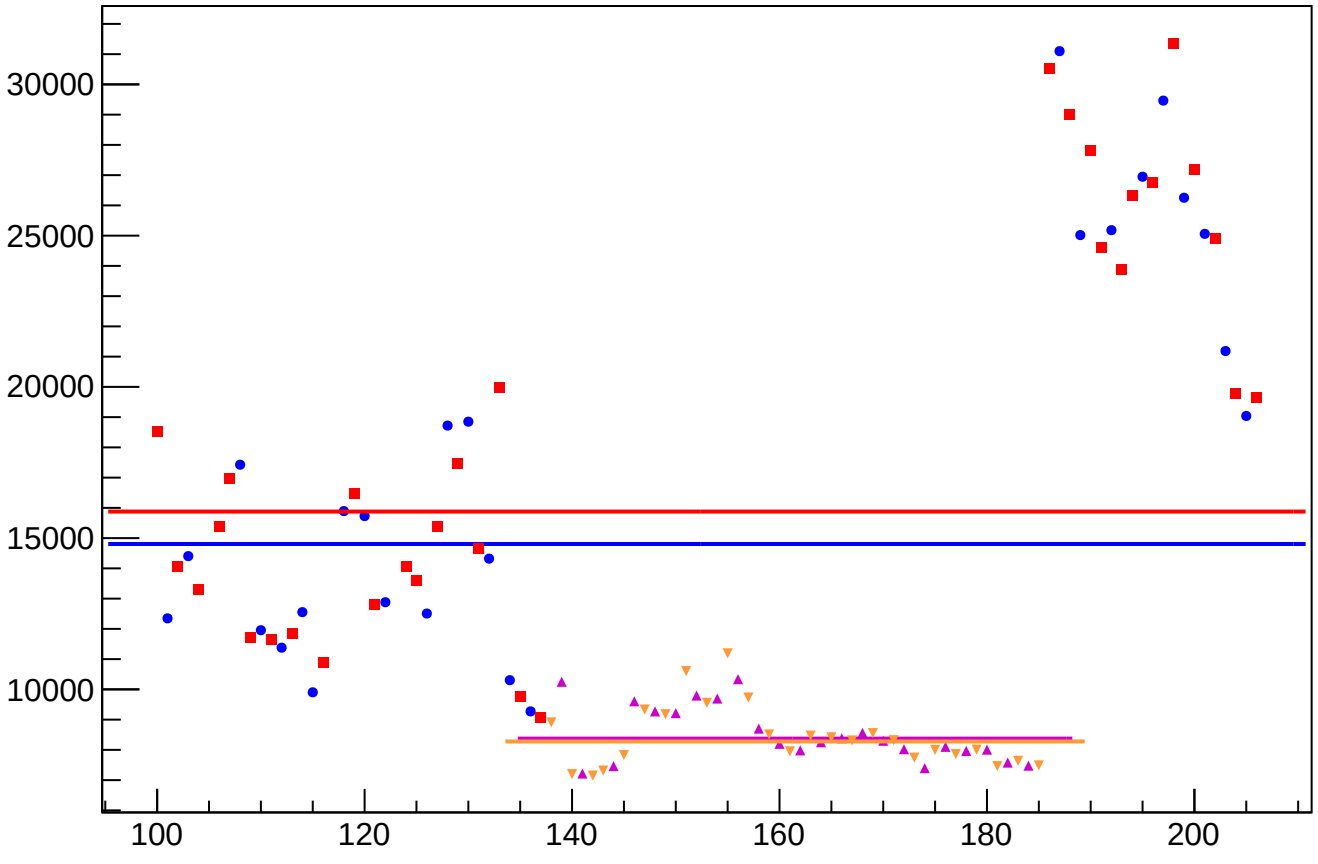
Right Out: -10.995+/-4.181 χ^2/NDF: 21.9/30

Left In: -0.919+/-1.969 χ^2/NDF:29.1/22

+ sign -8.572+/-1.730 χ^2/NDF: 90.7/49

All: -5.745+/-1.241 χ^2/NDF: 151.9/103

- sign -2.748+/-1.781 χ^2/NDF: 55.7/53



Right In: 14806.104+/-2.988 χ^2/NDF: 3415285.4/24

Left Out: 8277.768+/-1.341 χ^2/NDF:455108.5/24

Right Out: 15878.094+/-2.956 χ^2/NDF: 3873117.8/30

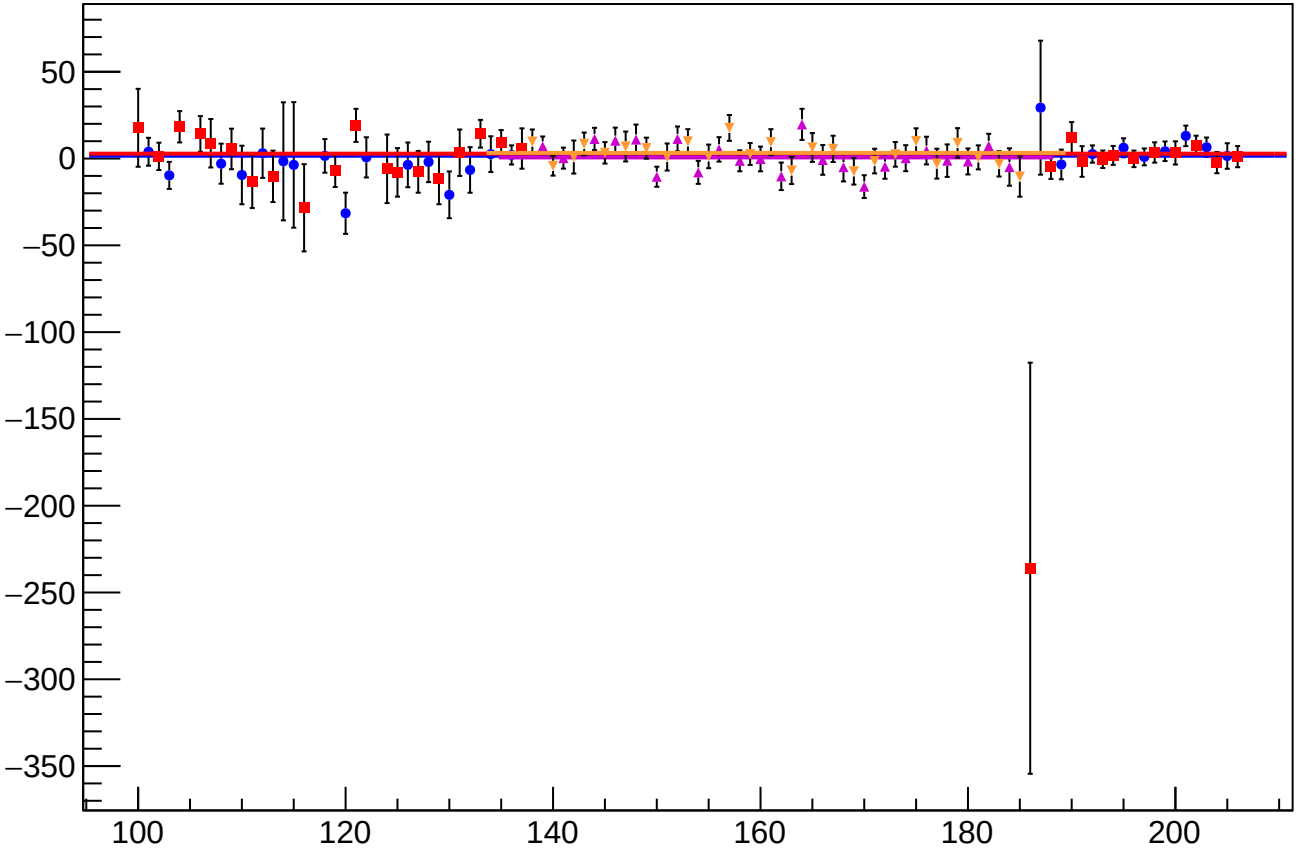
Left In: 8372.363+/-1.392 χ^2/NDF:392872.1/22

+ sign 9372.227+/-1.224 χ^2/NDF: 7842809.8/49

All: 9548.281+/-0.878 χ^2/NDF: 17427411.1/1

- sign 9734.841+/-1.260 χ^2/NDF: 9541959.4/53

diff_bpm4eY_mean vs Slug



Right In: 1.638+/-1.616 χ^2/NDF: 20.4/24

Left Out: 3.255+/-1.457 χ^2/NDF:17.6/24

Right Out: 2.807+/-1.487 χ^2/NDF: 26.5/30

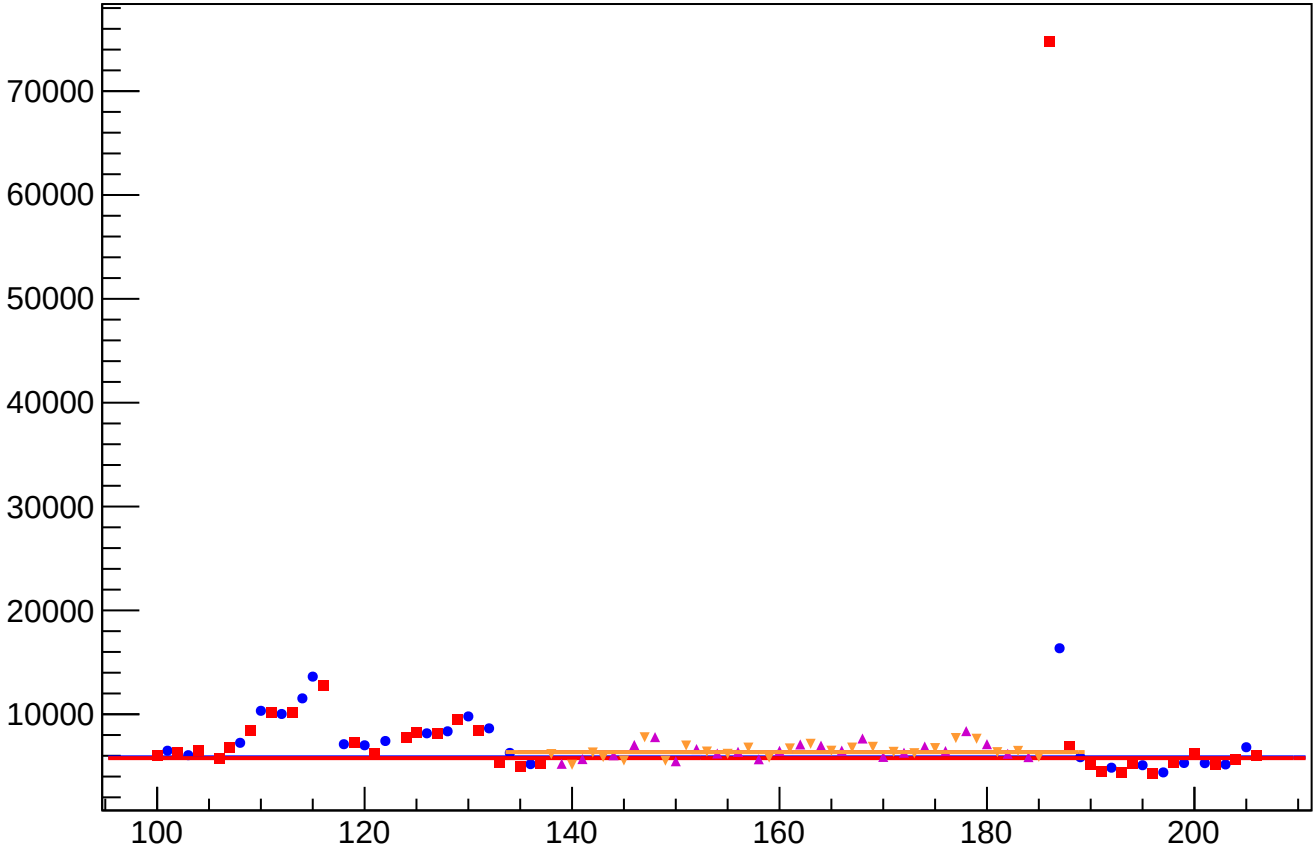
Left In: 0.645+/-1.499 χ^2/NDF:30.8/22

+ sign 2.530+/-1.082 χ^2/NDF: 38.6/49

All: 2.123+/-0.756 χ^2/NDF: 97.2/103

- sign 1.735+/-1.056 χ^2/NDF: 58.3/53

diff_bpm4eY_rms vs Slug



Right In: 5852.059+/-1.142 χ^2/NDF: 1592893.8/24

Left Out: 6357.608+/-1.030 χ^2/NDF:414119.5/24

Right Out: 5773.598+/-1.052 χ^2/NDF: 2297622.5/30

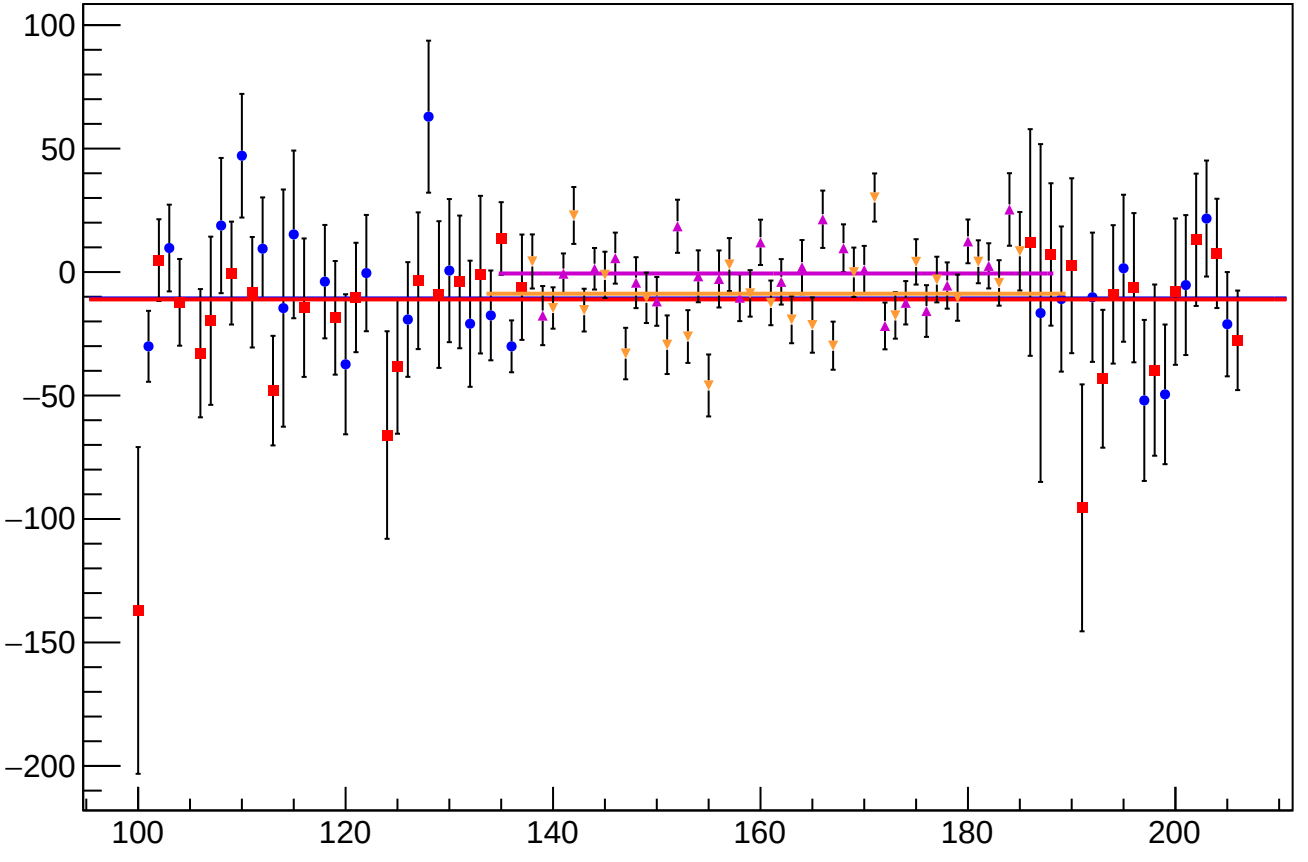
Left In: 6359.907+/-1.060 χ^2/NDF:473875.4/22

+ sign 6130.844+/-0.765 χ^2/NDF: 2114994.8/49

All: 6096.784+/-0.534 χ^2/NDF: 5044545.0/10

- sign 6064.359+/-0.747 χ^2/NDF: 2925682.4/53

diff_bpm4acX_mean vs Slug



Right In: -10.682+/-4.529 χ^2/NDF: 27.9/24

Left Out: -8.767+/-1.987 χ^2/NDF:62.7/24

Right Out: -11.077+/-4.520 χ^2/NDF: 22.2/30

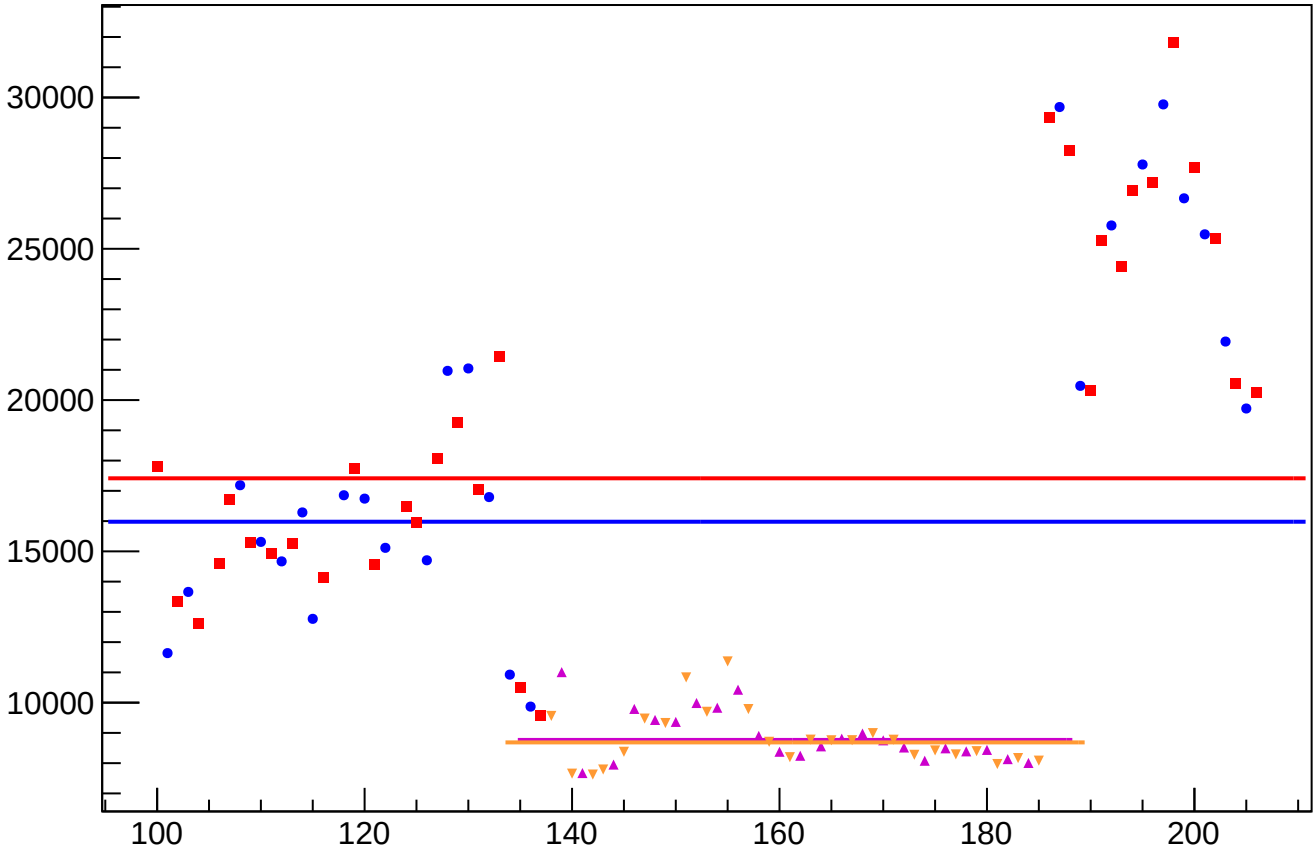
Left In: -0.579+/-2.059 χ^2/NDF:29.6/22

+ sign -9.076+/-1.820 χ^2/NDF: 90.8/49

All: -5.828+/-1.305 χ^2/NDF: 153.6/103

- sign -2.383+/-1.874 χ^2/NDF: 56.2/53

diff_bpm4acX_rms vs Slug



Right In: 15979.292+/-3.203 χ^2/NDF: 2989916.2/24

Left Out: 8686.048+/-1.405 χ^2/NDF:340655.6/24

Right Out: 17414.322+/-3.196 χ^2/NDF: 3064452.4/30

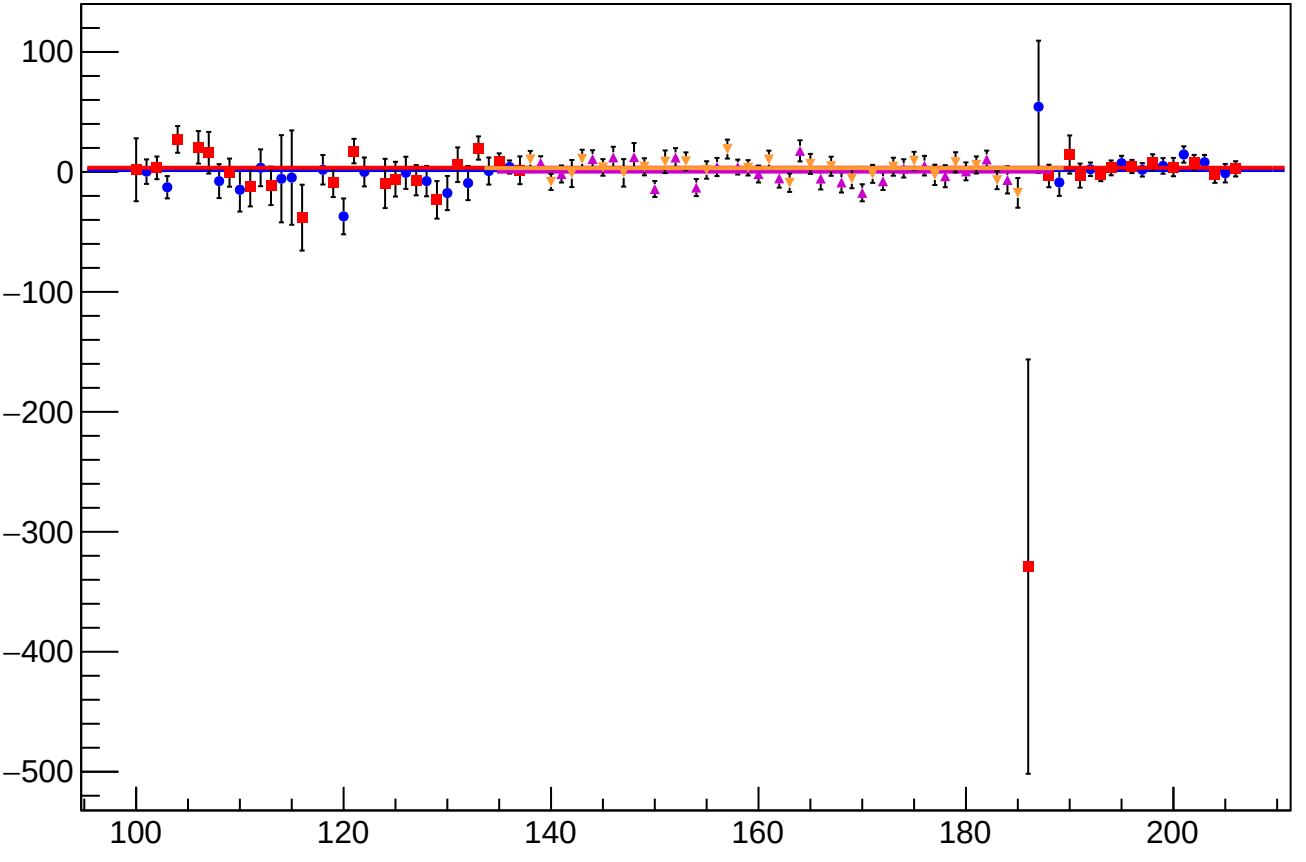
Left In: 8767.705+/-1.456 χ^2/NDF:295552.8/22

+ sign 9863.178+/-1.287 χ^2/NDF: 7679572.4/49

All: 10052.611+/-0.923 χ^2/NDF: 17144334.4

- sign 10253.517+/-1.325 χ^2/NDF: 9420095.0/53

diff_bpm4acY_mean vs Slug



Right In: 1.575+/-1.820 χ^2/NDF: 21.4/24

Left Out: 3.171+/-1.562 χ^2/NDF:21.7/24

Right Out: 3.490+/-1.690 χ^2/NDF: 29.5/30

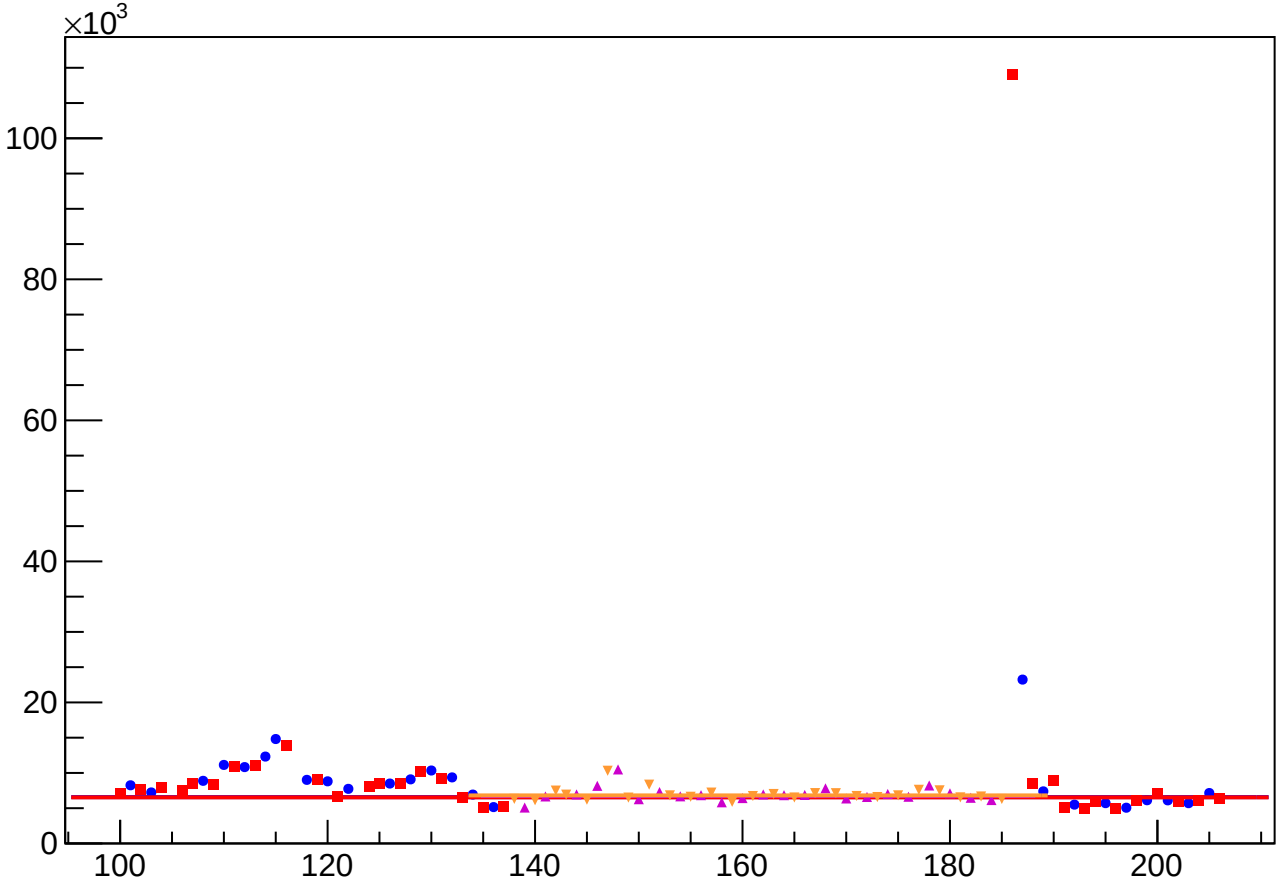
Left In: 0.269+/-1.590 χ^2/NDF:34.2/22

+ sign 2.494+/-1.185 χ^2/NDF: 43.5/49

All: 2.130+/-0.828 χ^2/NDF: 109.3/103

- sign 1.782+/-1.158 χ^2/NDF: 65.7/53

diff_bpm4acY_rms vs Slug



Right In: 6571.961+/-1.287 χ^2/NDF: 1667789.3/24

Left Out: 6812.964+/-1.104 χ^2/NDF:394620.8/24

Right Out: 6537.025+/-1.195 χ^2/NDF: 2329053.2/30

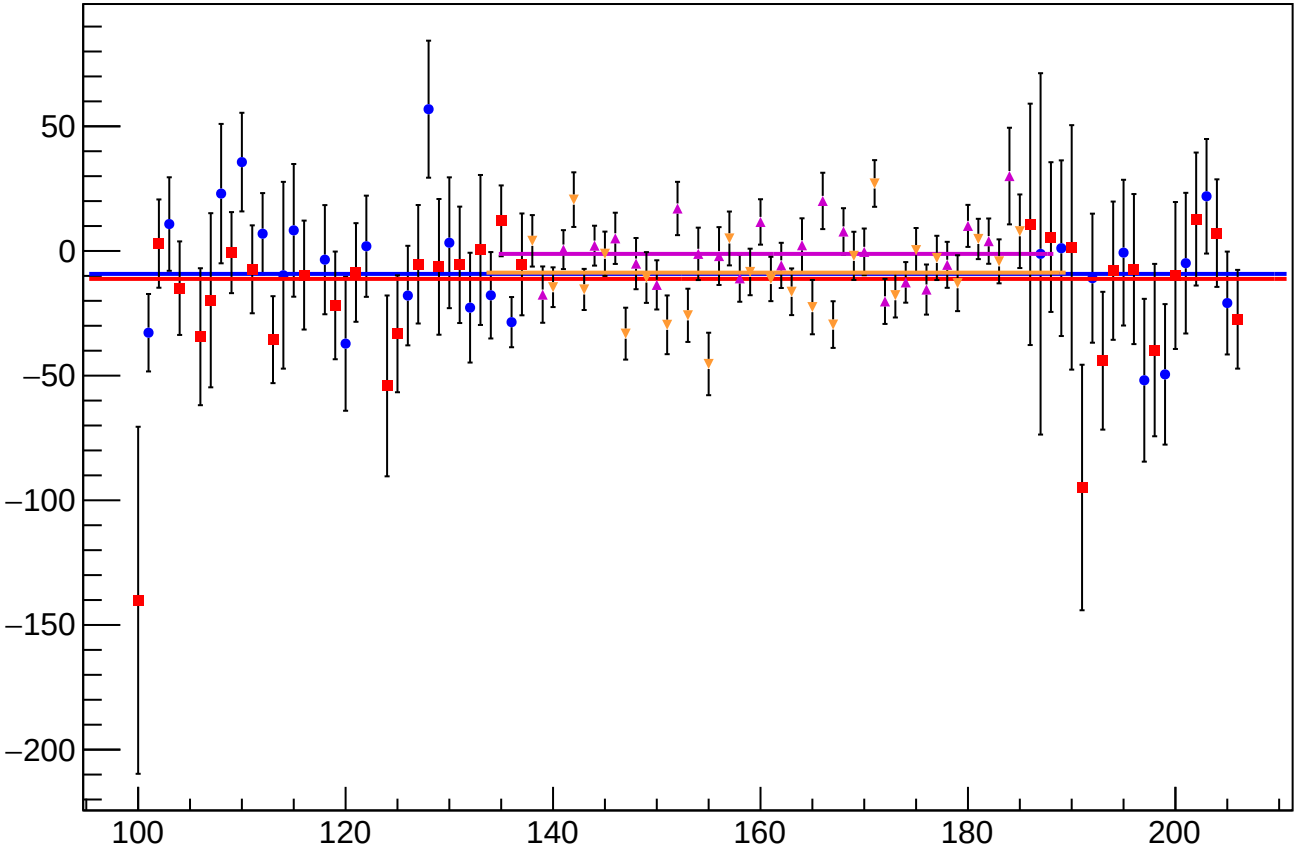
Left In: 6727.864+/-1.124 χ^2/NDF:610037.3/22

+ sign 6710.727+/-0.838 χ^2/NDF: 2082612.1/49

All: 6673.642+/-0.586 χ^2/NDF: 5039059.5/10

- sign 6638.233+/-0.819 χ^2/NDF: 2952619.2/53

diff_bpm4ecX_mean vs Slug



Right In: -9.199+/-4.283 χ^2/NDF: 29.4/24

Left Out: -8.692+/-1.936 χ^2/NDF:61.4/24

Right Out: -11.201+/-4.239 χ^2/NDF: 20.7/30

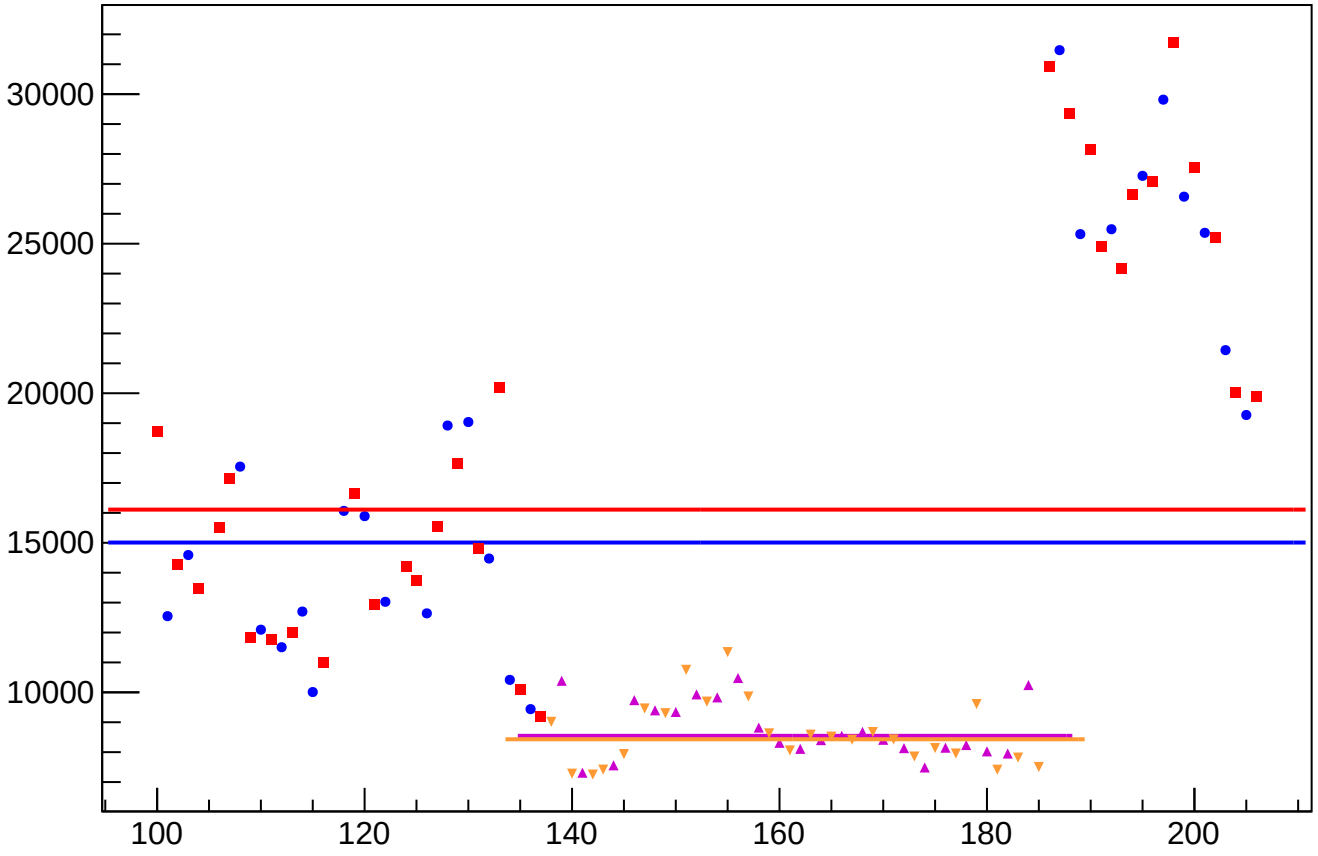
Left In: -1.174+/-2.012 χ^2/NDF:28.6/22

+ sign -8.778+/-1.764 χ^2/NDF: 90.8/49

All: -5.984+/-1.266 χ^2/NDF: 149.8/103

- sign -3.018+/-1.818 χ^2/NDF: 53.8/53

diff_bpm4ecX_rms vs Slug



Right In: 15008.263+/-3.029 χ^2/NDF: 3391211.0/24

Left Out: 8430.683+/-1.369 χ^2/NDF:484653.2/24

Right Out: 16109.381+/-2.998 χ^2/NDF: 3830227.2/30

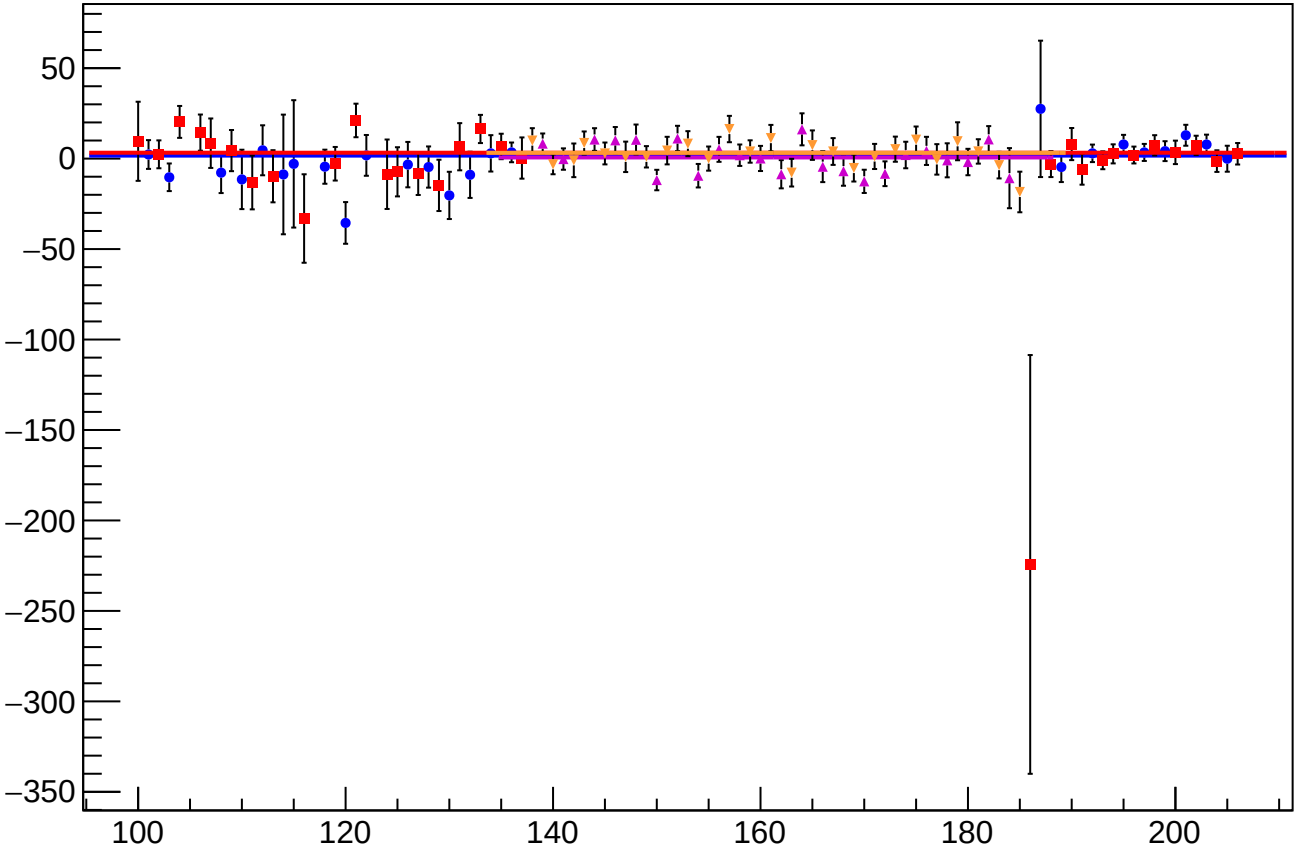
Left In: 8545.534+/-1.423 χ^2/NDF:389747.0/22

+ sign 9546.771+/-1.248 χ^2/NDF: 7792511.8/49

All: 9735.747+/-0.895 χ^2/NDF: 17255475.9/1

- sign 9936.403+/-1.285 χ^2/NDF: 9415652.4/53

diff_bpm4ecY_mean vs Slug



Right In: 1.666+/-1.577 χ^2/NDF: 26.9/24

Left Out: 3.185+/-1.435 χ^2/NDF:18.7/24

Right Out: 3.257+/-1.450 χ^2/NDF: 29.0/30

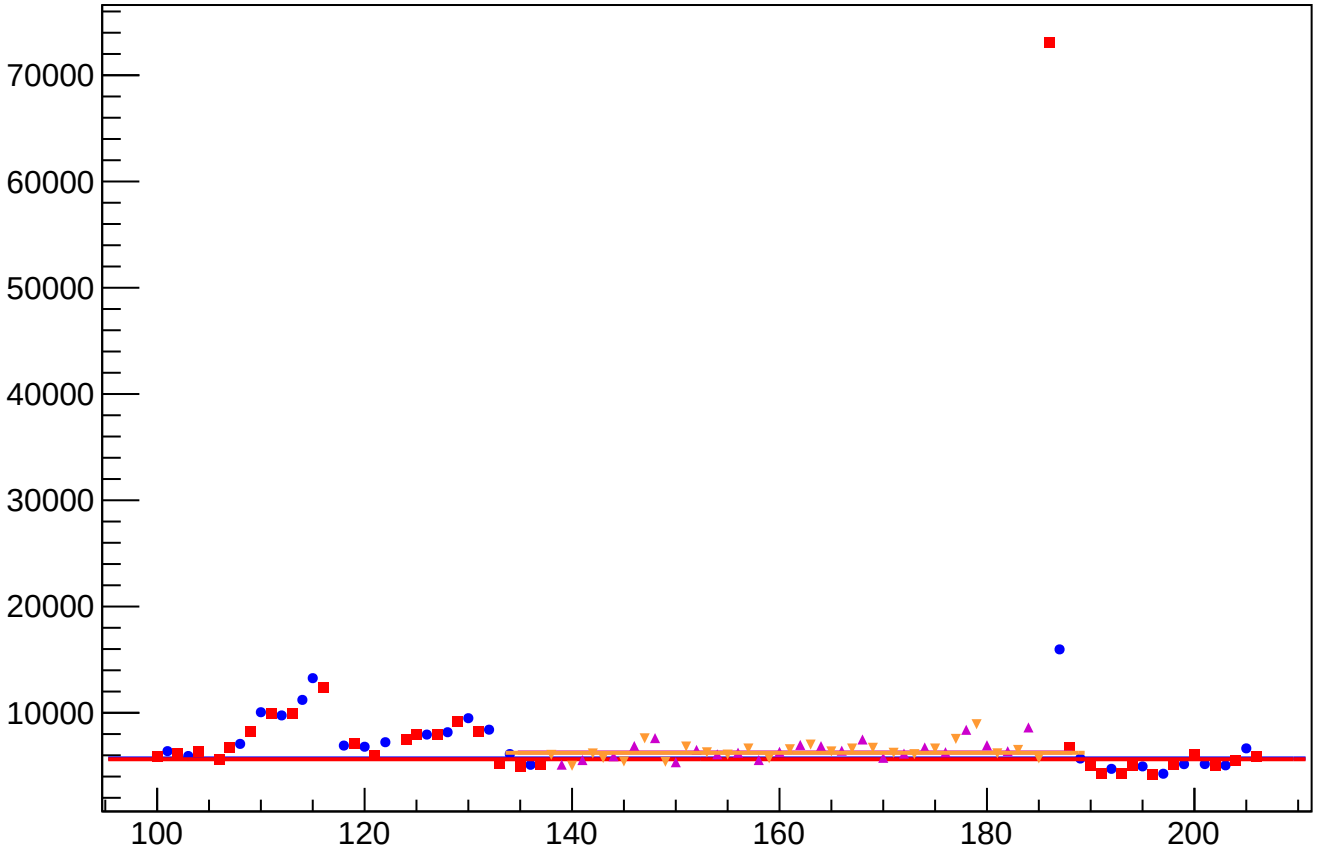
Left In: 0.633+/-1.482 χ^2/NDF:31.8/22

+ sign 2.497+/-1.061 χ^2/NDF: 46.0/49

All: 2.229+/-0.741 χ^2/NDF: 108.6/103

- sign 1.974+/-1.036 χ^2/NDF: 62.4/53

diff_bpm4ecY_rms vs Slug



Right In: 5707.515+/-1.115 χ^2/NDF: 1593384.0/24

Left Out: 6237.931+/-1.015 χ^2/NDF:507726.8/24

Right Out: 5628.548+/-1.025 χ^2/NDF: 2279268.8/30

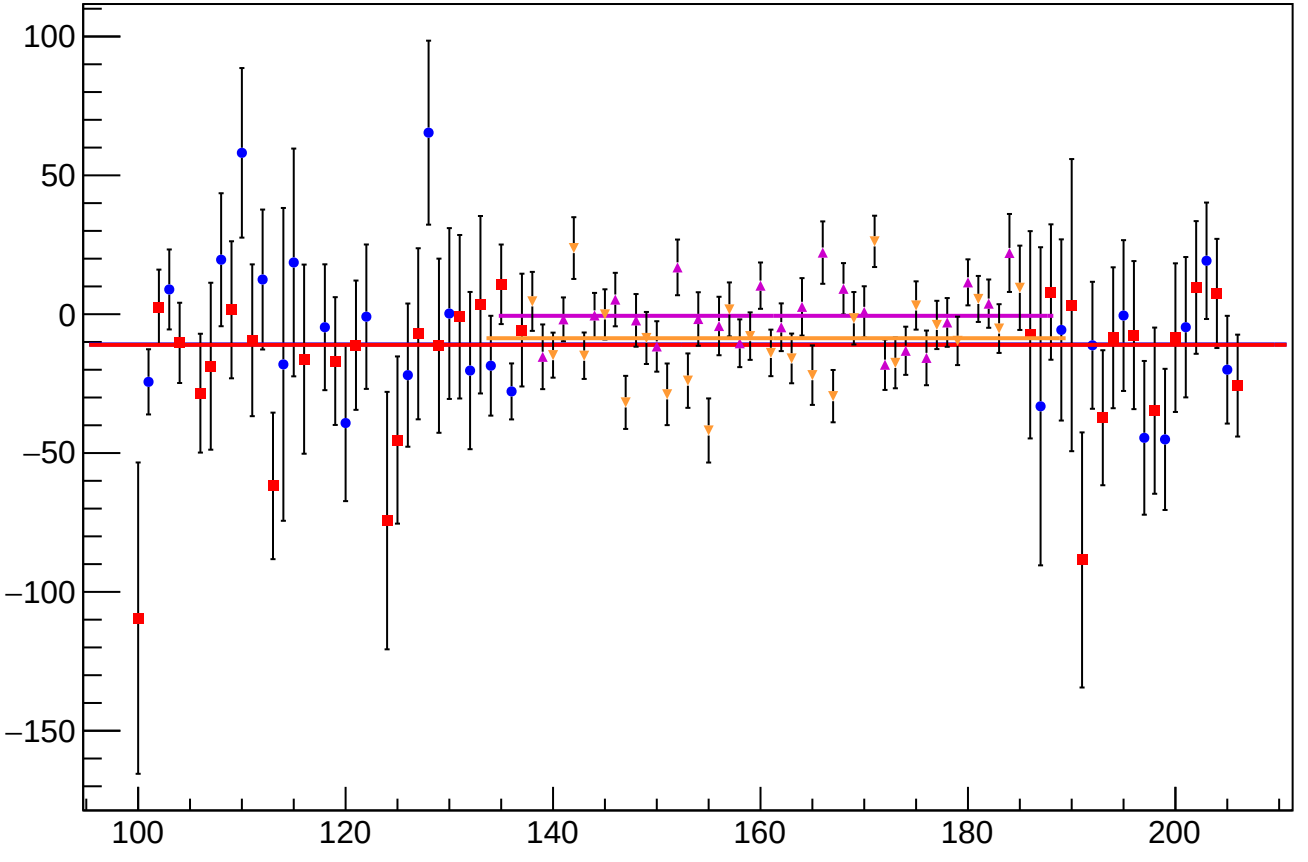
Left In: 6268.263+/-1.048 χ^2/NDF:524326.6/22

+ sign 5997.631+/-0.750 χ^2/NDF: 2224940.1/49

All: 5968.897+/-0.524 χ^2/NDF: 5221825.1/10

- sign 5941.488+/-0.733 χ^2/NDF: 2994019.6/53

diff_bpm1X_mean vs Slug



Right In: -10.894+/-4.320 χ^2/NDF: 27.2/24

Left Out: -8.650+/-1.875 χ^2/NDF:63.0/24

Right Out: -11.035+/-4.318 χ^2/NDF: 22.4/30

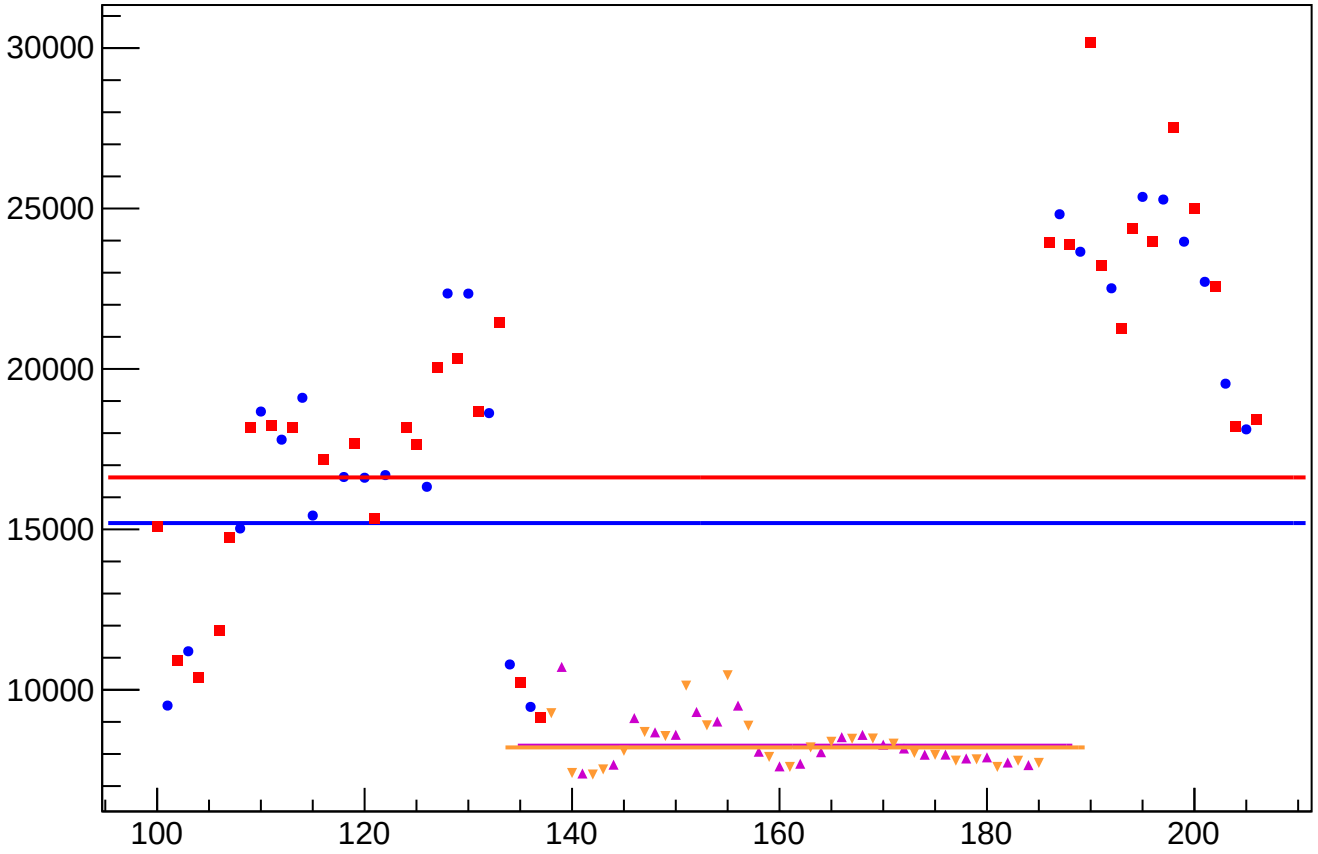
Left In: -0.583+/-1.939 χ^2/NDF:28.5/22

+ sign -9.006+/-1.720 χ^2/NDF: 90.5/49

All: -5.764+/-1.233 χ^2/NDF: 153.6/103

- sign -2.337+/-1.769 χ^2/NDF: 55.8/53

diff_bpm1X_rms vs Slug



Right In: 15196.460+/-3.055 χ^2/NDF: 3188343.0/24

Left Out: 8204.502+/-1.326 χ^2/NDF:272958.7/24

Right Out: 16619.239+/-3.053 χ^2/NDF: 3109183.1/30

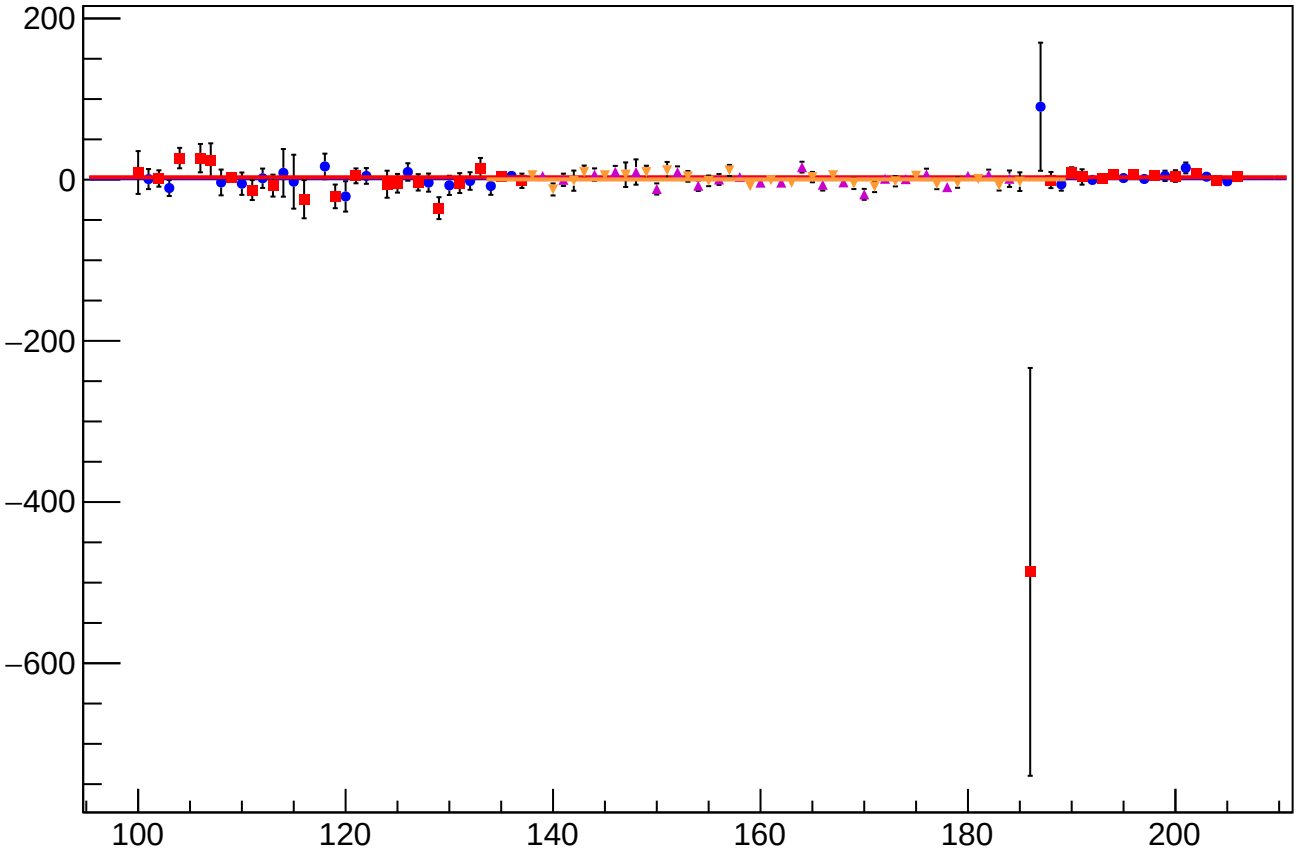
Left In: 8259.162+/-1.371 χ^2/NDF:257333.8/22

+ sign 9313.020+/-1.216 χ^2/NDF: 7870229.0/49

All: 9482.493+/-0.872 χ^2/NDF: 17515182.6/1

- sign 9661.698+/-1.251 χ^2/NDF: 9605006.4/53

diff_bpm1Y_mean vs Slug



Right In: 1.704+/-1.626 χ^2/NDF: 13.7/24

Left Out: 0.353+/-1.322 χ^2/NDF:21.5/24

Right Out: 2.995+/-1.442 χ^2/NDF: 29.8/30

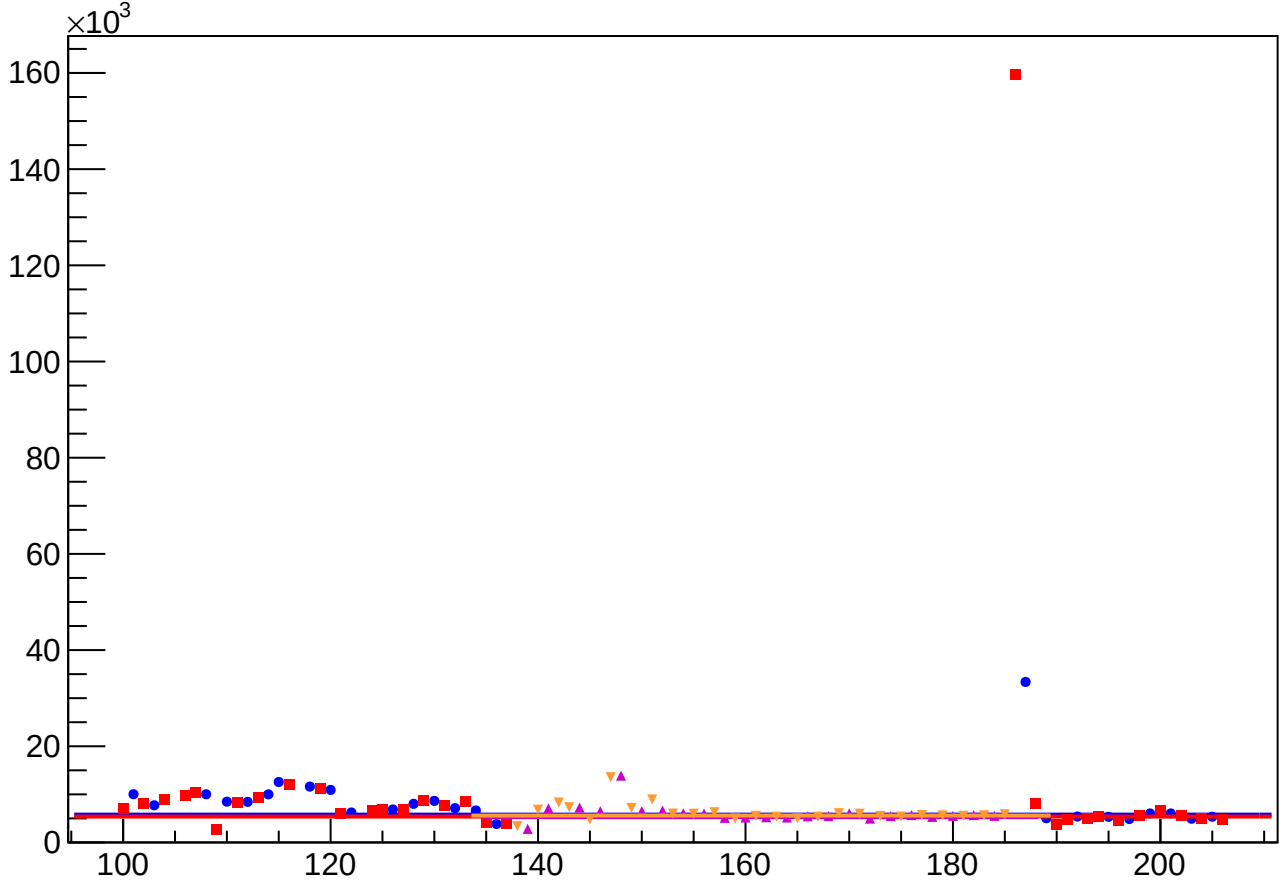
Left In: 0.709+/-1.291 χ^2/NDF:29.9/22

+ sign 0.890+/-1.026 χ^2/NDF: 35.6/49

All: 1.335+/-0.702 χ^2/NDF: 97.1/103

- sign 1.726+/-0.962 χ^2/NDF: 61.1/53

diff_bpm1Y_rms vs Slug



Right In: 5787.065+/-1.150 χ^2/NDF: 2286532.1/24

Left Out: 5594.503+/-0.935 χ^2/NDF:1784259.1/24

Right Out: 5385.062+/-1.020 χ^2/NDF: 3782814.6/30

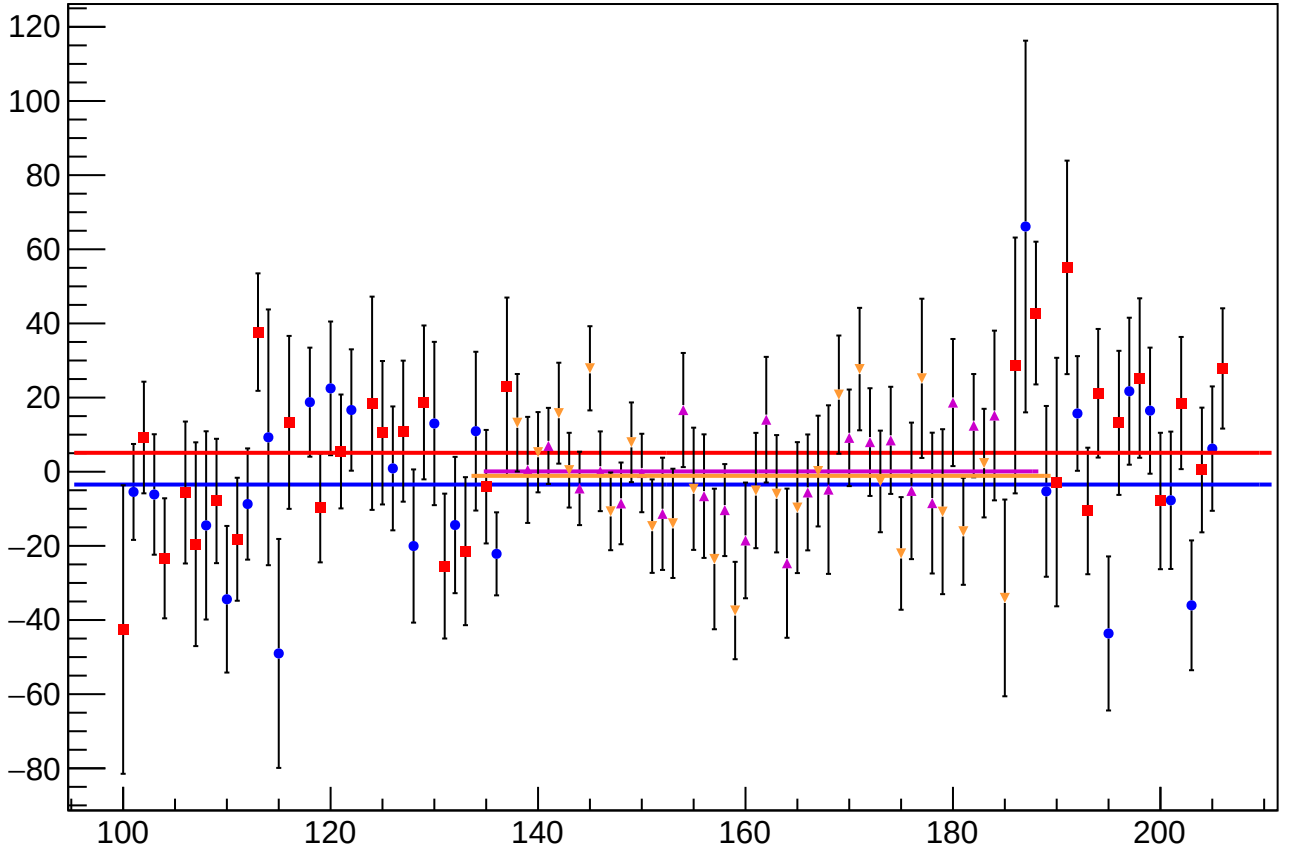
Left In: 5262.754+/-0.913 χ^2/NDF:2425604.2/22

+ sign 5671.095+/-0.725 χ^2/NDF: 4087678.8/49

All: 5482.819+/-0.496 χ^2/NDF: 10430775.6/1

- sign 5317.159+/-0.680 χ^2/NDF: 6216401.3/53

diff_bpm11X_mean vs Slug



Right In: -3.460+/-3.598 χ^2/NDF: 29.9/24

Left Out: -1.111+/-2.813 χ^2/NDF:33.8/24

Right Out: 5.103+/-3.418 χ^2/NDF: 32.9/30

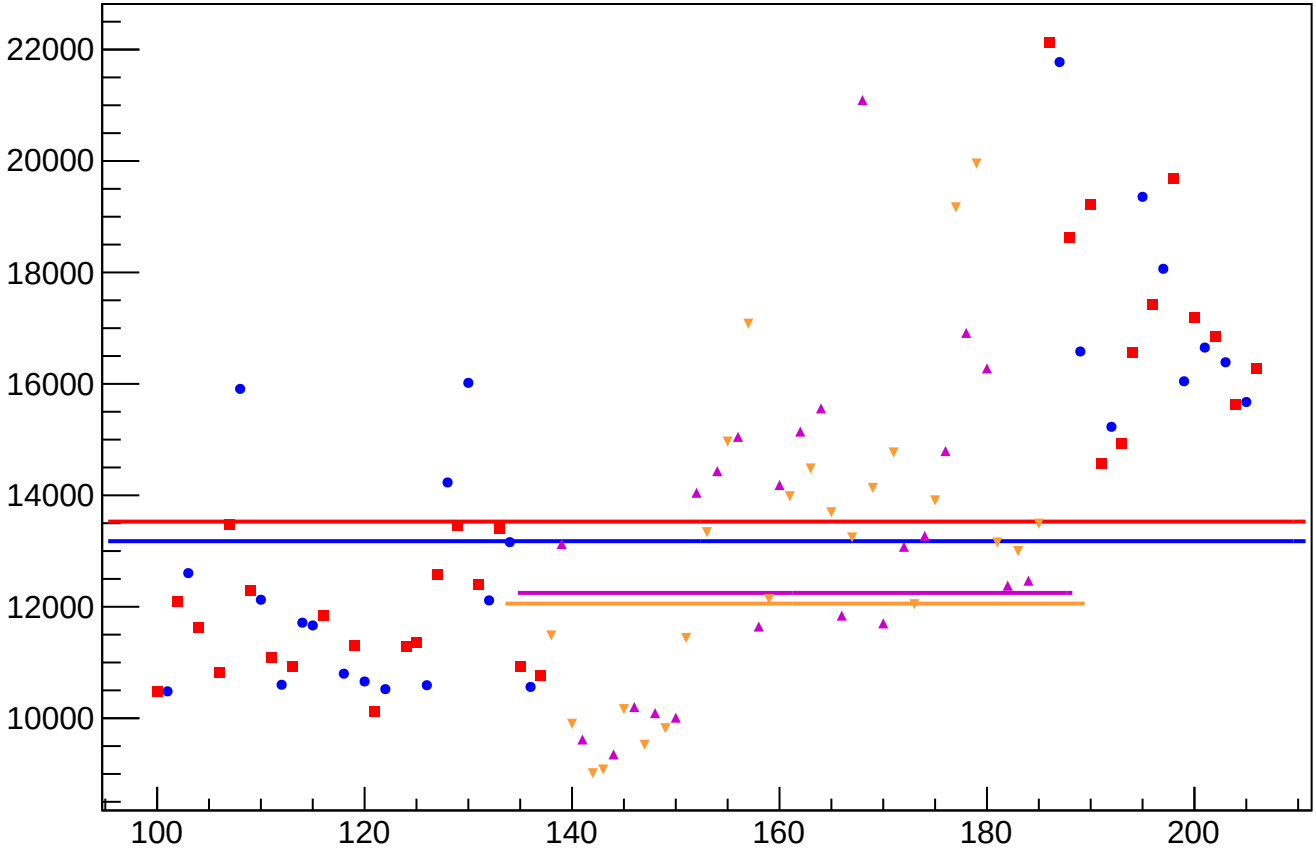
Left In: 0.084+/-2.926 χ^2/NDF:11.5/22

+ sign -2.002+/-2.216 χ^2/NDF: 63.9/49

All: 0.096+/-1.569 χ^2/NDF: 111.3/103

- sign 2.207+/-2.223 χ^2/NDF: 45.6/53

diff_bpm11X_rms vs Slug



Right In: 13176.944+/-2.544 χ^2/NDF: 1206632.1/24

Left Out: 12056.714+/-1.989 χ^2/NDF:1561738.9/24

Right Out: 13528.446+/-2.417 χ^2/NDF: 1376575.1/30

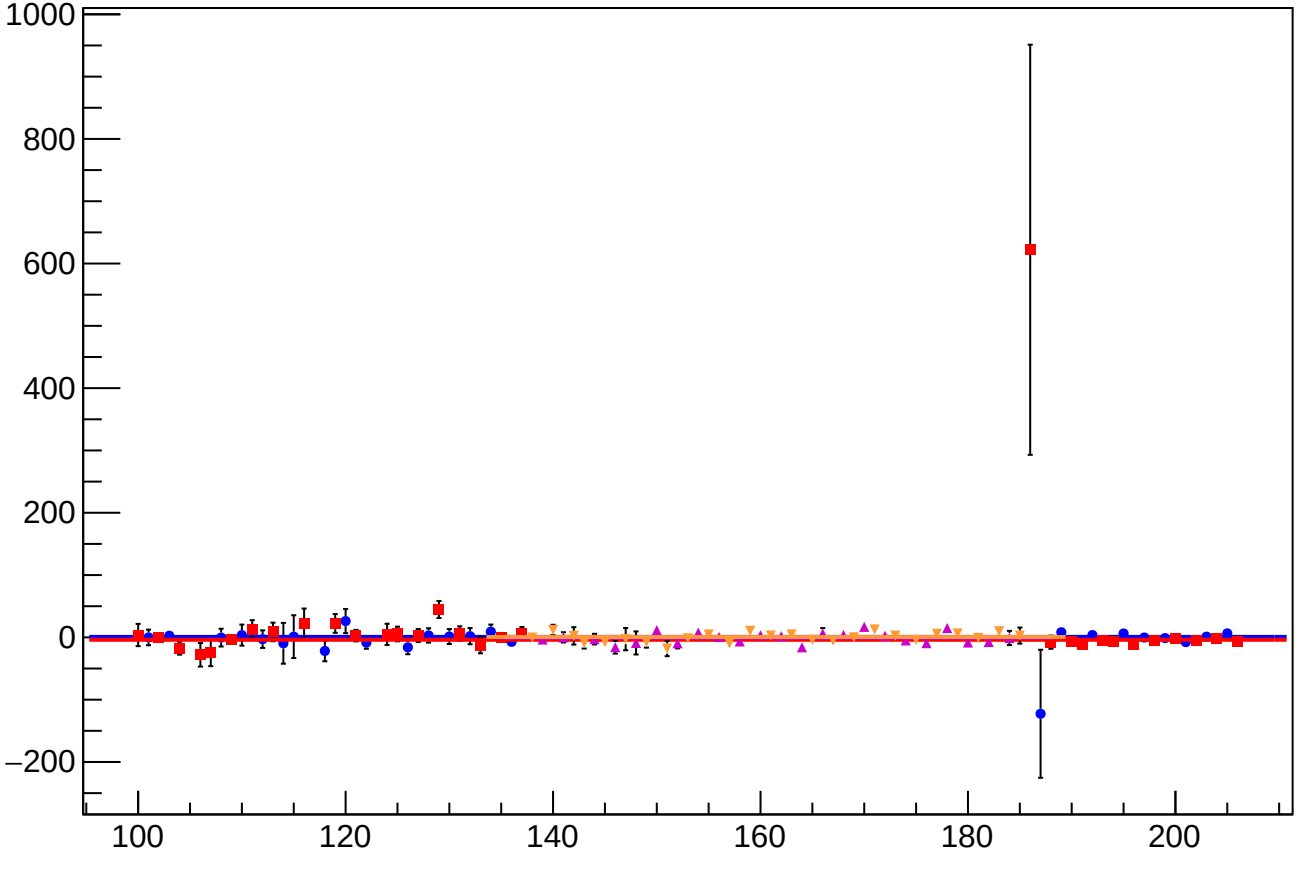
Left In: 12249.109+/-2.069 χ^2/NDF:1416030.4/22

+ sign 12481.700+/-1.567 χ^2/NDF: 2888694.3/49

All: 12635.438+/-1.110 χ^2/NDF: 5862265.6/1

- sign 12790.136+/-1.572 χ^2/NDF: 2954261.3/53

diff_bpm11Y_mean vs Slug



Right In: 0.764+/-1.409 χ^2/NDF: 19.7/24

Left Out: 0.526+/-1.369 χ^2/NDF:21.4/24

Right Out: -3.855+/-1.282 χ^2/NDF: 37.1/30

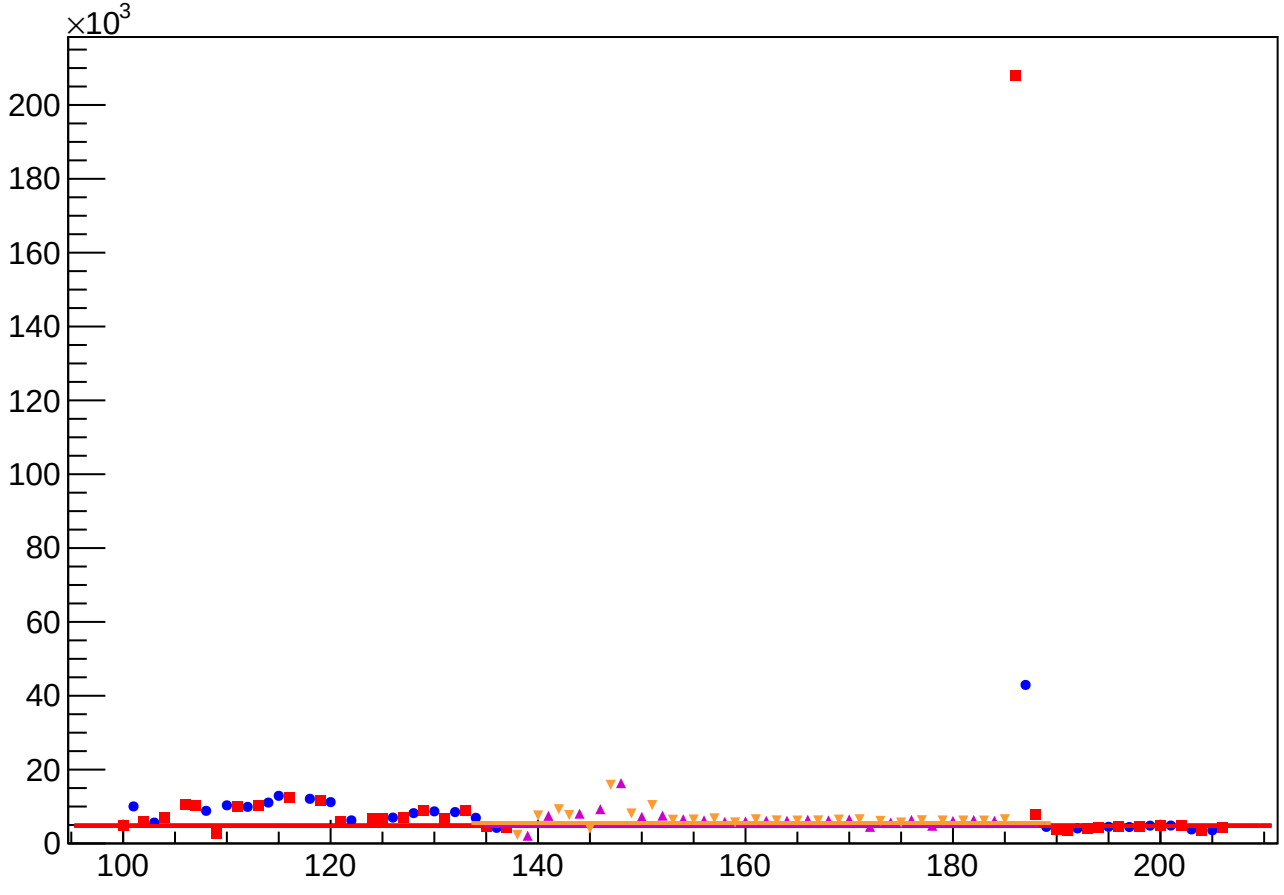
Left In: -0.946+/-1.294 χ^2/NDF:32.2/22

+ sign 0.641+/-0.982 χ^2/NDF: 41.2/49

All: -1.001+/-0.668 χ^2/NDF: 118.2/103

- sign -2.415+/-0.911 χ^2/NDF: 71.9/53

diff_bpm11Y_rms vs Slug



Right In: 4903.918+/-0.996 χ^2/NDF: 3251321.7/24

Left Out: 5527.971+/-0.968 χ^2/NDF:4375722.1/24

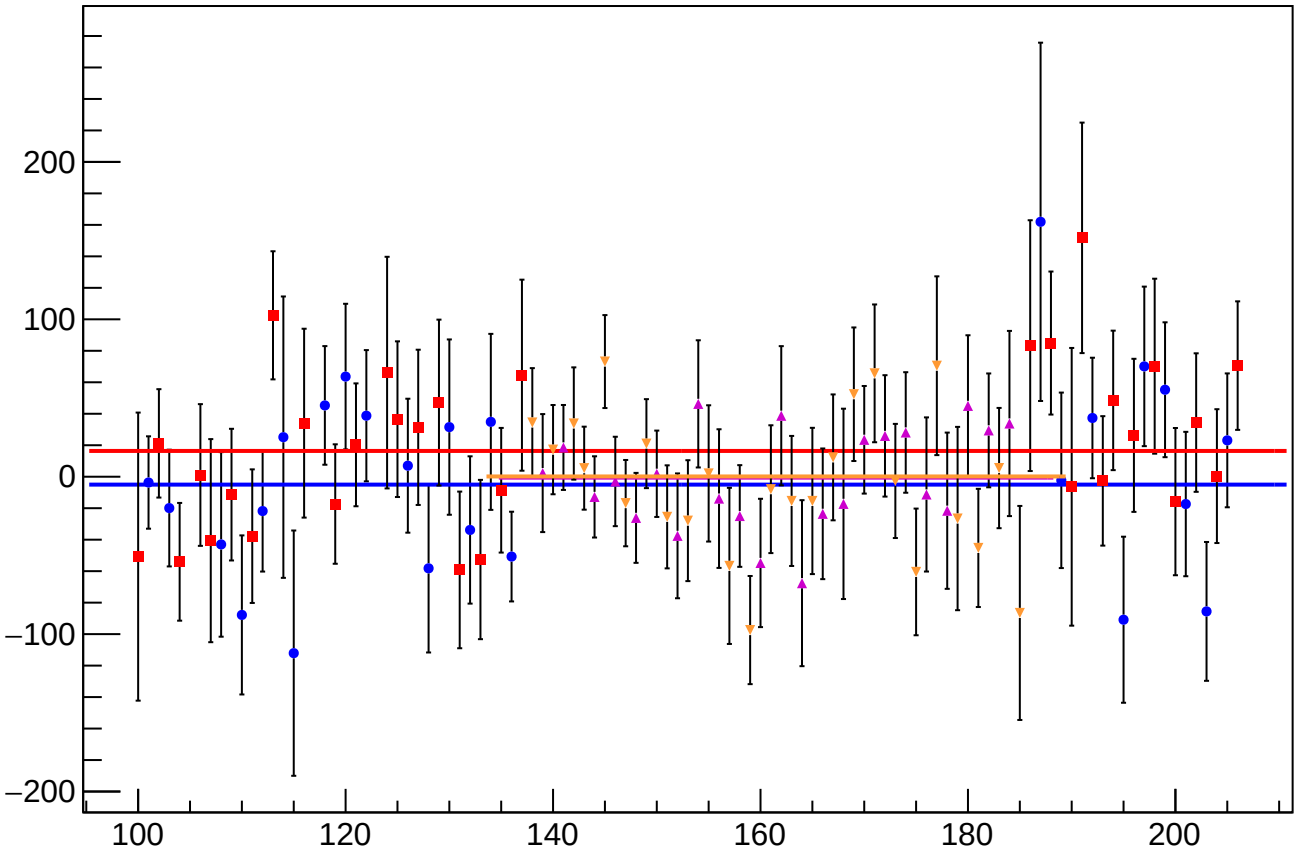
Right Out: 4721.888+/-0.906 χ^2/NDF: 3968846.2/30

Left In: 4941.993+/-0.915 χ^2/NDF:5936108.3/22

+ sign 5224.953+/-0.694 χ^2/NDF: 7828921.1/49

All: 5013.141+/-0.472 χ^2/NDF: 17936307.2/1

- sign 4830.859+/-0.644 χ^2/NDF: 9934157.8/53



Right In: -5.017+/-8.968 χ^2/NDF: 29.5/24

Left Out: 0.168+/-7.375 χ^2/NDF:31.1/24

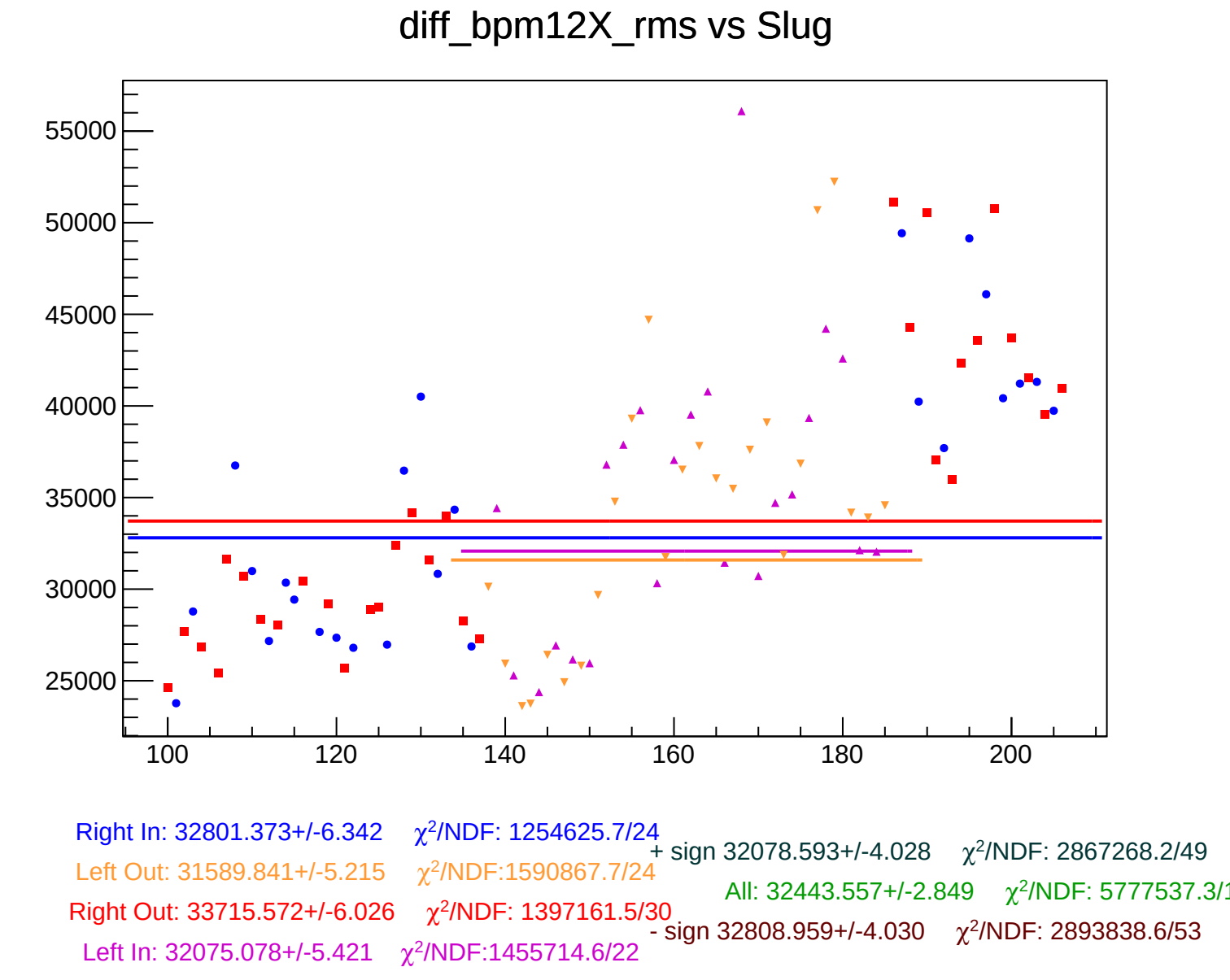
Right Out: 16.378+/-8.522 χ^2/NDF: 29.4/30

Left In: -0.586+/-7.667 χ^2/NDF:12.8/22

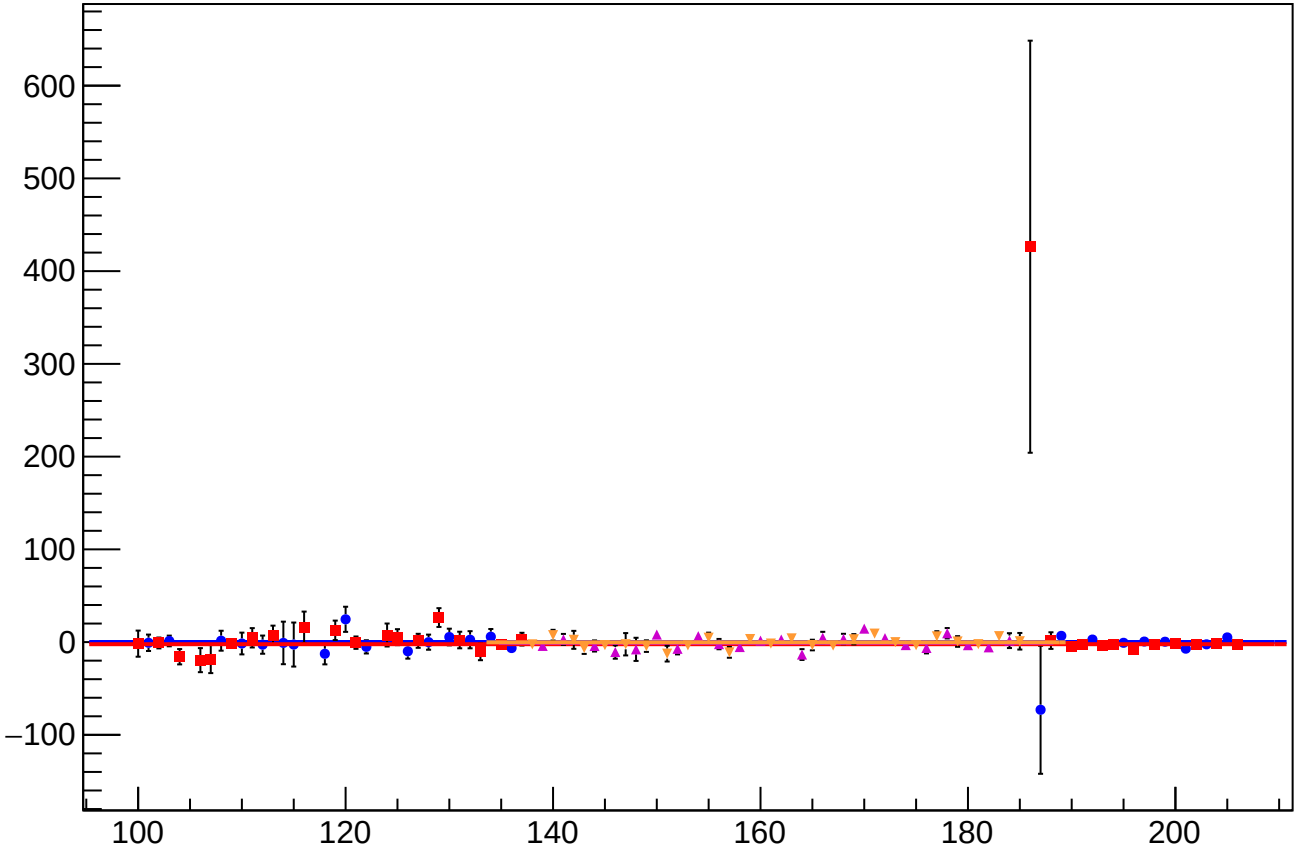
+ sign -1.924+/-5.696 χ^2/NDF: 60.9/49

All: 2.537+/-4.029 χ^2/NDF: 106.5/103

- sign 7.003+/-5.700 χ^2/NDF: 44.4/53


diff_bpm12X_rms vs Slug
55000
50000
45000
40000
35000
30000
25000
100
120
140
160
180
200
Right In: 32801.373+/-6.342 χ²/NDF: 1254625.7/24
Left Out: 31589.841+/-5.215 χ²/NDF:1590867.7/24
Right Out: 33715.572+/-6.026 χ²/NDF: 1397161.5/30
Left In: 32075.078+/-5.421 χ²/NDF:1455714.6/22
+ sign 32078.593+/-4.028 χ²/NDF: 2867268.2/49
All: 32443.557+/-2.849 χ²/NDF: 5777537.3/1
- sign 32808.959+/-4.030 χ²/NDF: 2893838.6/53

diff_bpm12Y_mean vs Slug



Right In: 0.097+/-0.909 χ^2/NDF: 26.6/24

Left Out: -0.226+/-1.094 χ^2/NDF:19.9/24

Right Out: -2.253+/-0.840 χ^2/NDF: 29.1/30

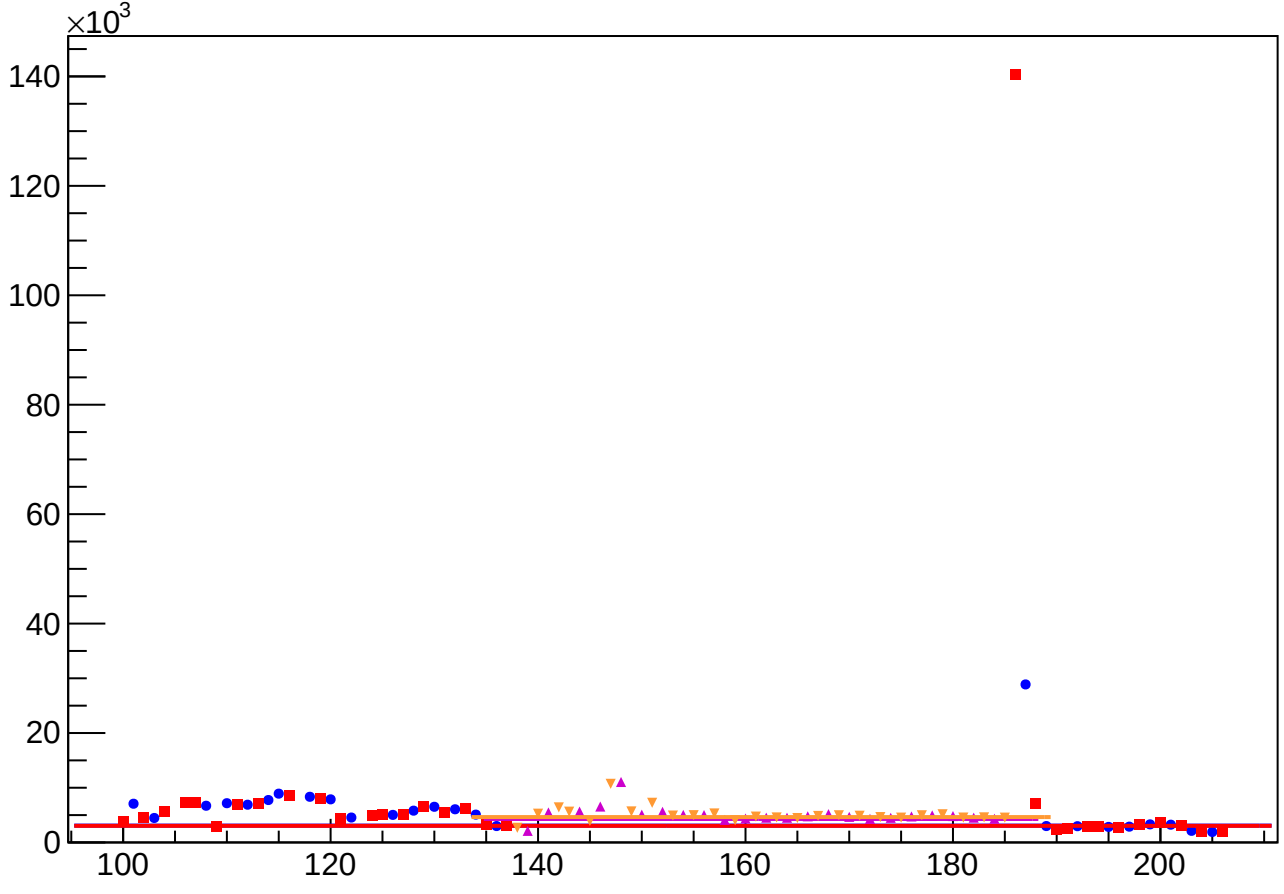
Left In: -0.788+/-1.061 χ^2/NDF:33.8/22

\+ sign -0.035+/-0.699 χ^2/NDF: 46.6/49

All: -0.911+/-0.479 χ^2/NDF: 113.6/103

\- sign -1.689+/-0.659 χ^2/NDF: 64.0/53

diff_bpm12Y_rms vs Slug



Right In: 3080.706+/-0.643 χ^2/NDF: 4530129.8/24

Left Out: 4637.399+/-0.774 χ^2/NDF:1763103.2/24

Right Out: 3038.130+/-0.594 χ^2/NDF: 5355182.3/30

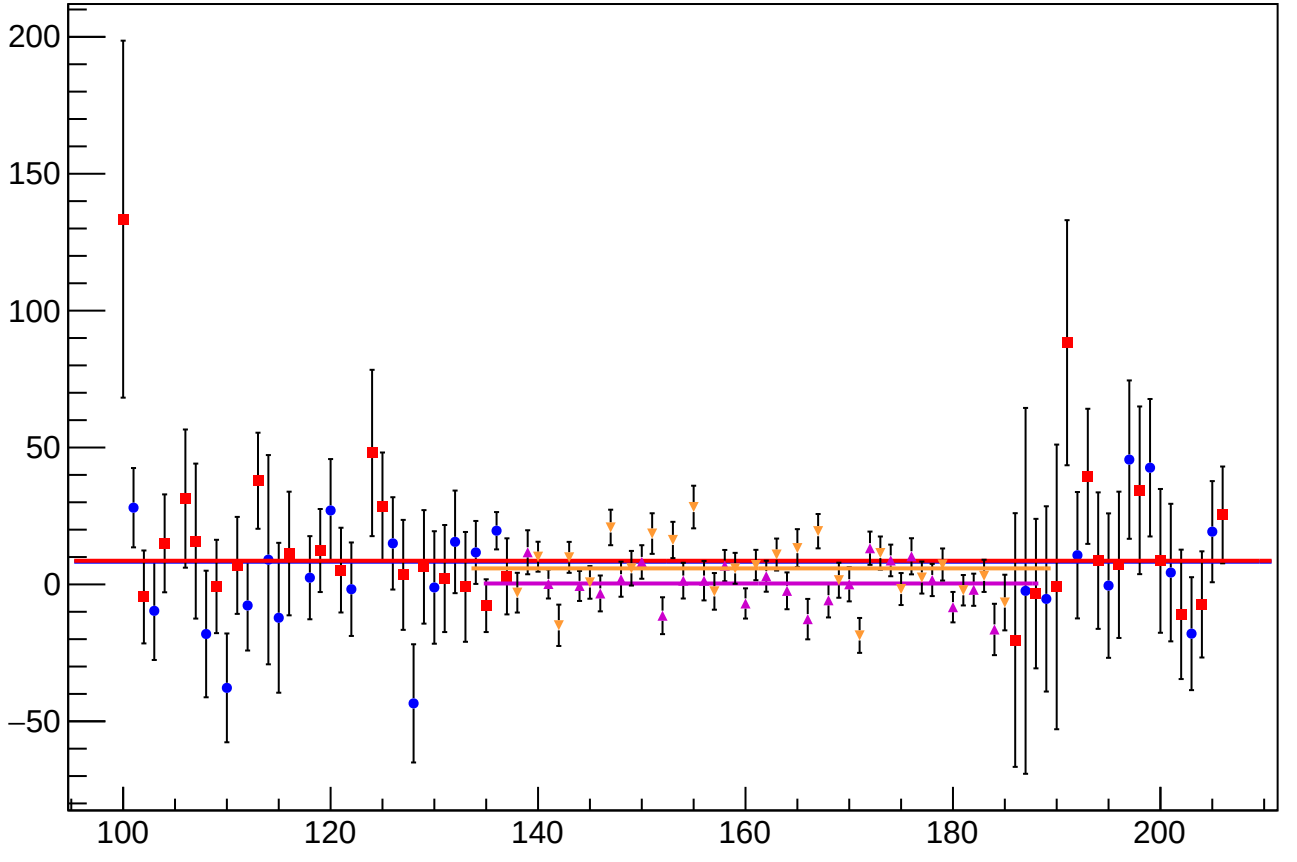
Left In: 4295.074+/-0.750 χ^2/NDF:3095610.0/22

+ sign 3716.823+/-0.494 χ^2/NDF: 8688289.1/49

All: 3613.905+/-0.339 χ^2/NDF: 18946977.1/1

- sign 3522.643+/-0.466 χ^2/NDF: 10176951.6/53

diff_bpm16X_mean vs Slug



Right In: 8.293+/-3.480 χ^2/NDF: 27.5/24

Left Out: 5.849+/-1.257 χ^2/NDF:60.0/24

Right Out: 8.638+/-3.604 χ^2/NDF: 23.0/30

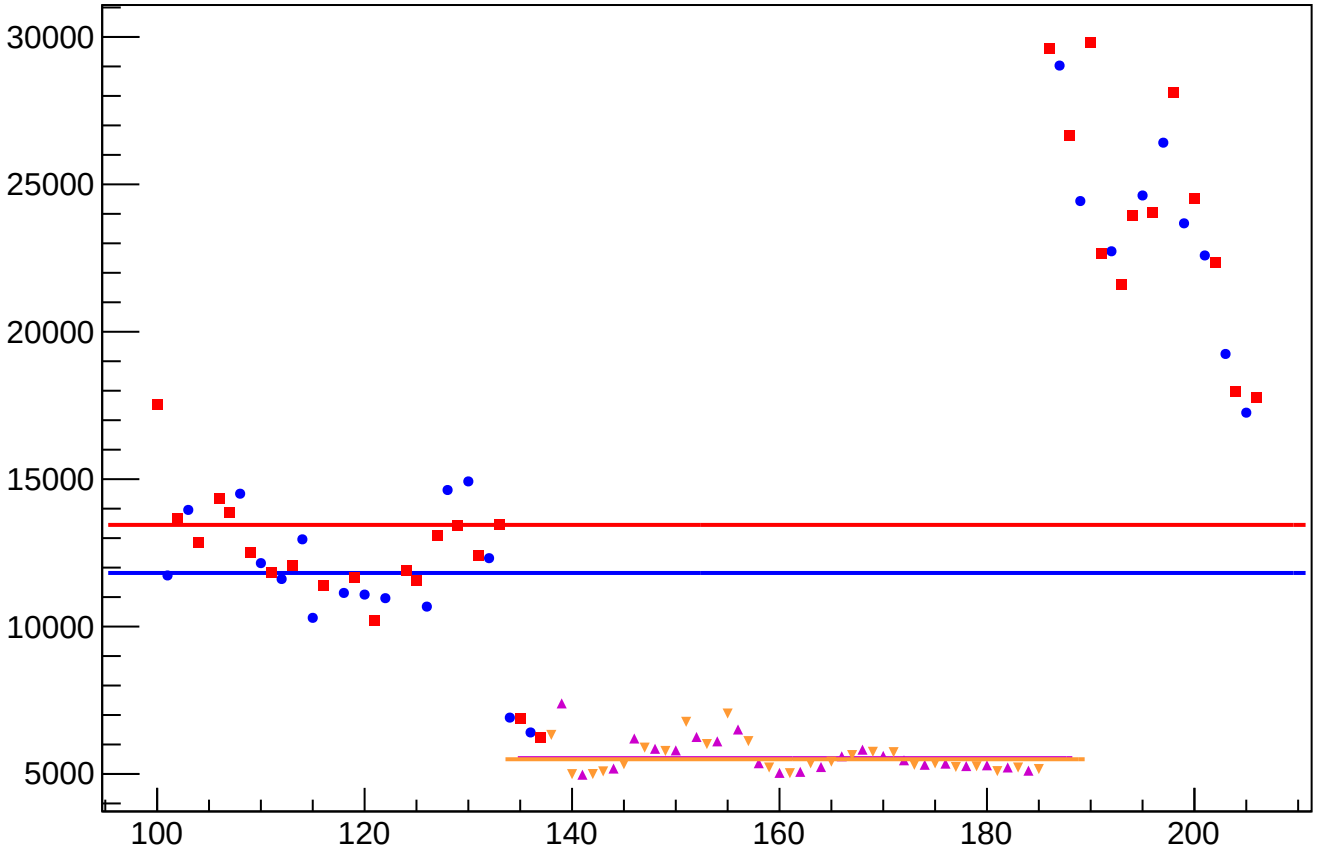
Left In: 0.337+/-1.301 χ^2/NDF:29.4/22

+ sign 6.131+/-1.183 χ^2/NDF: 88.0/49

All: 3.795+/-0.850 χ^2/NDF: 153.0/103

- sign 1.294+/-1.224 χ^2/NDF: 57.0/53

diff_bpm16X_rms vs Slug



Right In: 11818.370+/-2.460 χ^2/NDF: 4874204.5/24

Left Out: 5499.215+/-0.889 χ^2/NDF:297719.4/24

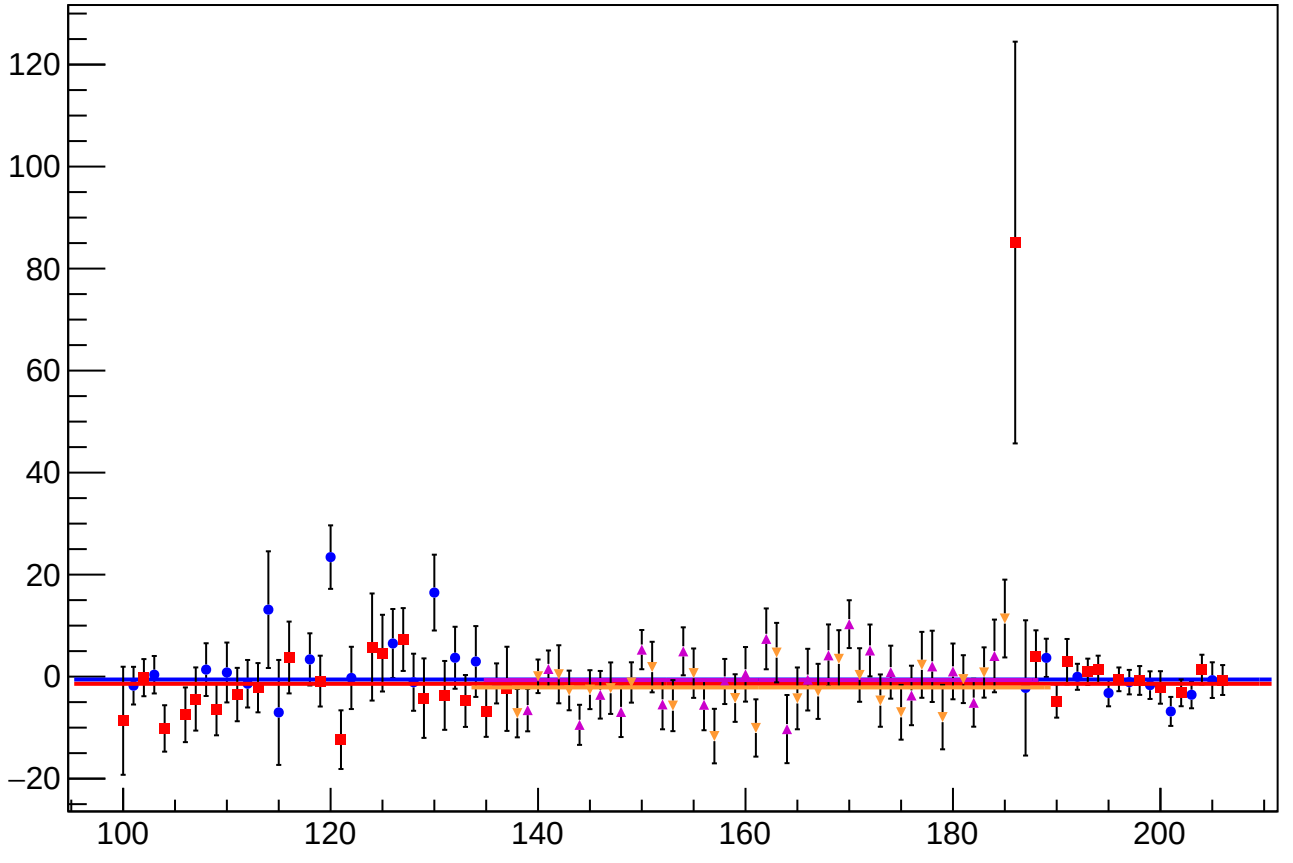
Right Out: 13448.677+/-2.548 χ^2/NDF: 4883284.0/30

Left In: 5537.777+/-0.920 χ^2/NDF:304062.1/22

+ sign 6229.111+/-0.836 χ^2/NDF: 11006376.8/49

All: 6335.657+/-0.601 χ^2/NDF: 24754607.2/1

- sign 6449.712+/-0.865 χ^2/NDF: 13714615.6/53



Right In: -0.566+/-0.793 χ^2/NDF: 33.5/24

Left Out: -2.116+/-0.987 χ^2/NDF:17.5/24

Right Out: -1.409+/-0.735 χ^2/NDF: 27.8/30

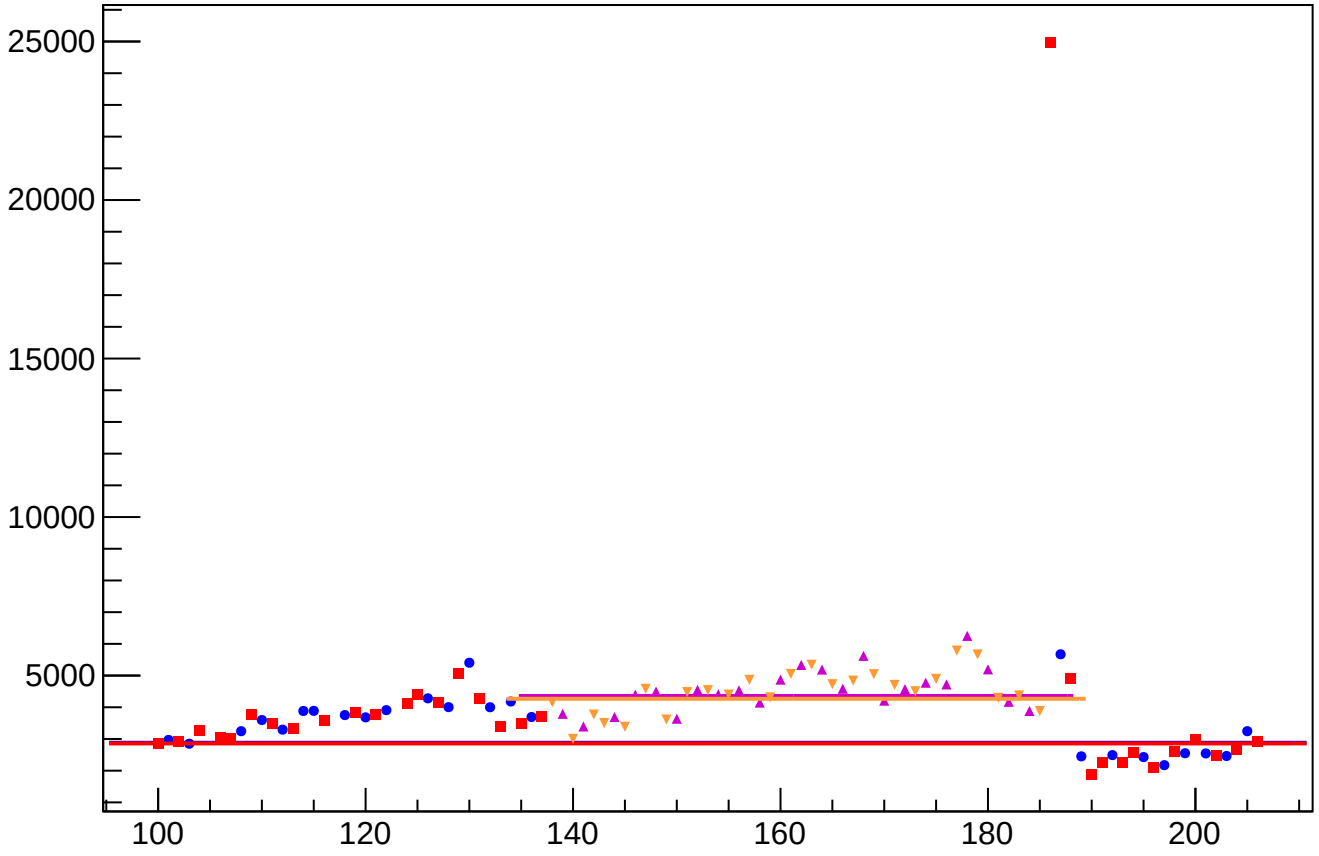
Left In: -0.670+/-1.031 χ^2/NDF:28.4/22

+ sign -1.174+/-0.618 χ^2/NDF: 52.5/49

All: -1.167+/-0.430 χ^2/NDF: 109.0/103

- sign -1.160+/-0.599 χ^2/NDF: 56.5/53

diff_bpm16Y_rms vs Slug



Right In: 2879.631+/-0.561 χ^2/NDF: 1384782.5/24

Left Out: 4267.631+/-0.698 χ^2/NDF:1034722.2/24

Right Out: 2859.080+/-0.520 χ^2/NDF: 2415925.5/30

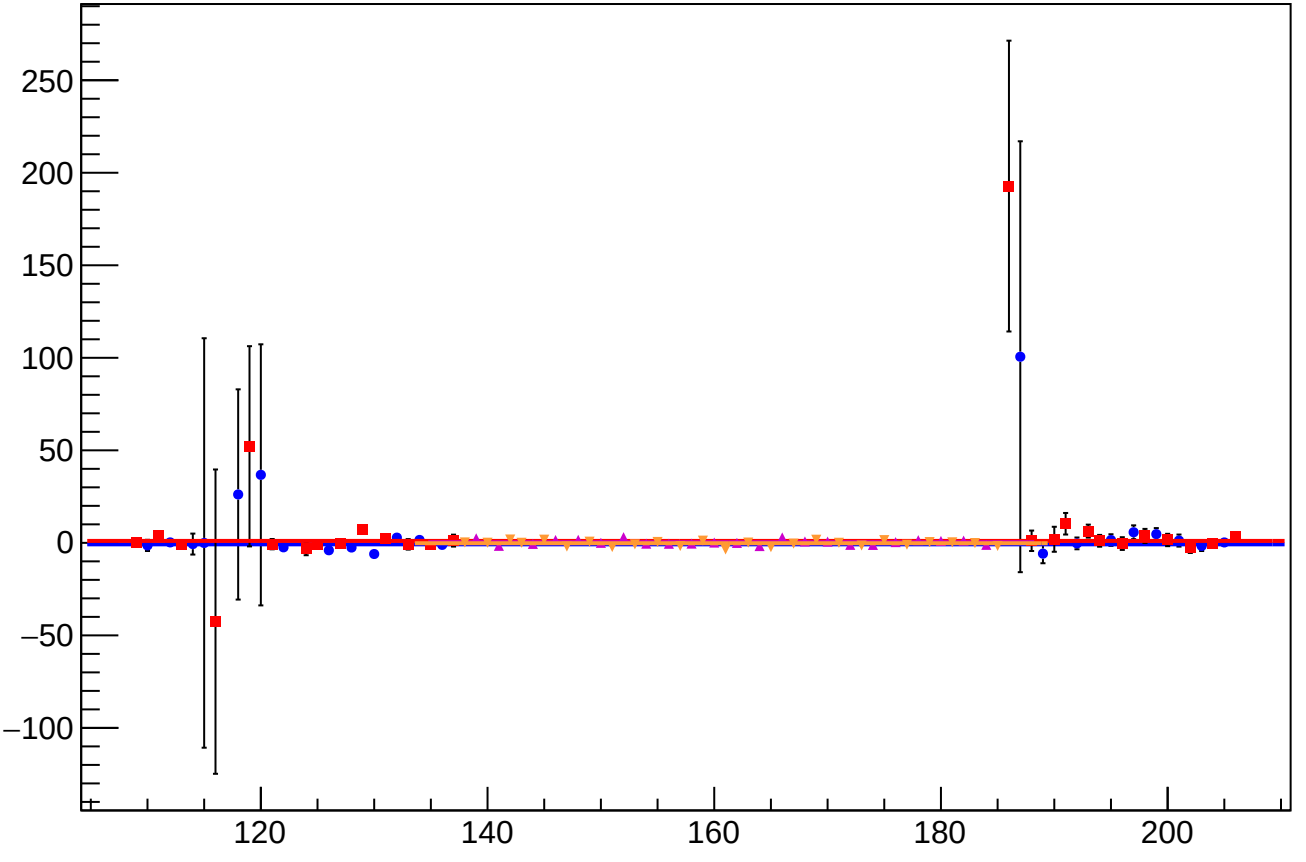
Left In: 4355.855+/-0.729 χ^2/NDF:743046.1/22

+ sign 3424.296+/-0.437 χ^2/NDF: 4821295.5/49

All: 3392.964+/-0.304 χ^2/NDF: 10785286.3/1

- sign 3363.620+/-0.423 χ^2/NDF: 5954050.2/53

diff_bpm1p02bX_mean vs Slug



Right In: -0.805+/-0.611 χ^2/NDF: 20.9/21

Left Out: -0.201+/-0.236 χ^2/NDF:33.9/24

Right Out: 1.046+/-0.580 χ^2/NDF: 27.6/25

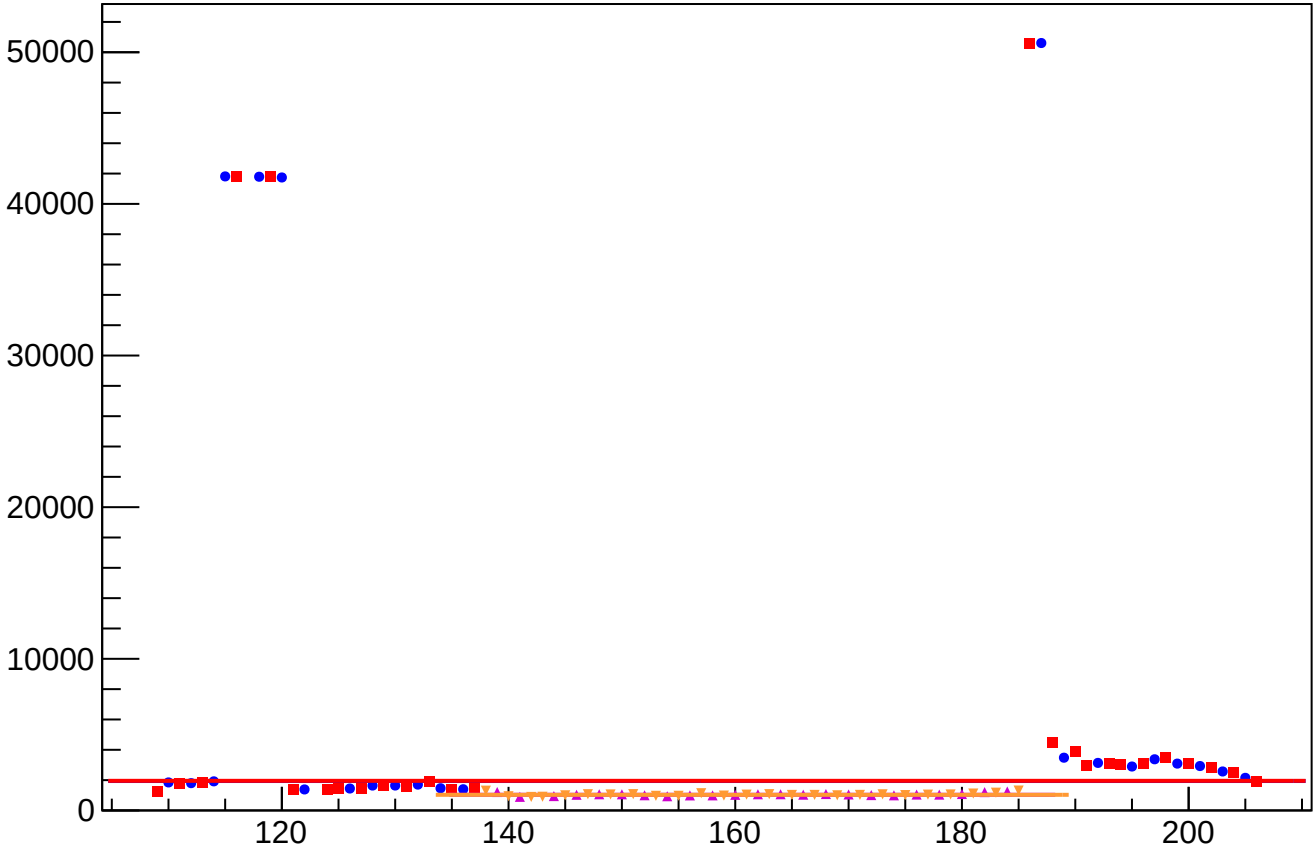
Left In: 0.333+/-0.242 χ^2/NDF:29.4/22

+ sign -0.279+/-0.220 χ^2/NDF: 55.7/46

All: 0.074+/-0.157 χ^2/NDF: 119.3/95

- sign 0.439+/-0.223 χ^2/NDF: 58.3/48

diff_bpm1p02bX_rms vs Slug



Right In: 1940.978+/-0.432 χ^2/NDF: 4386487.4/21

Left Out: 1031.473+/-0.167 χ^2/NDF:244095.3/24

Right Out: 1953.640+/-0.410 χ^2/NDF: 5347150.1/25

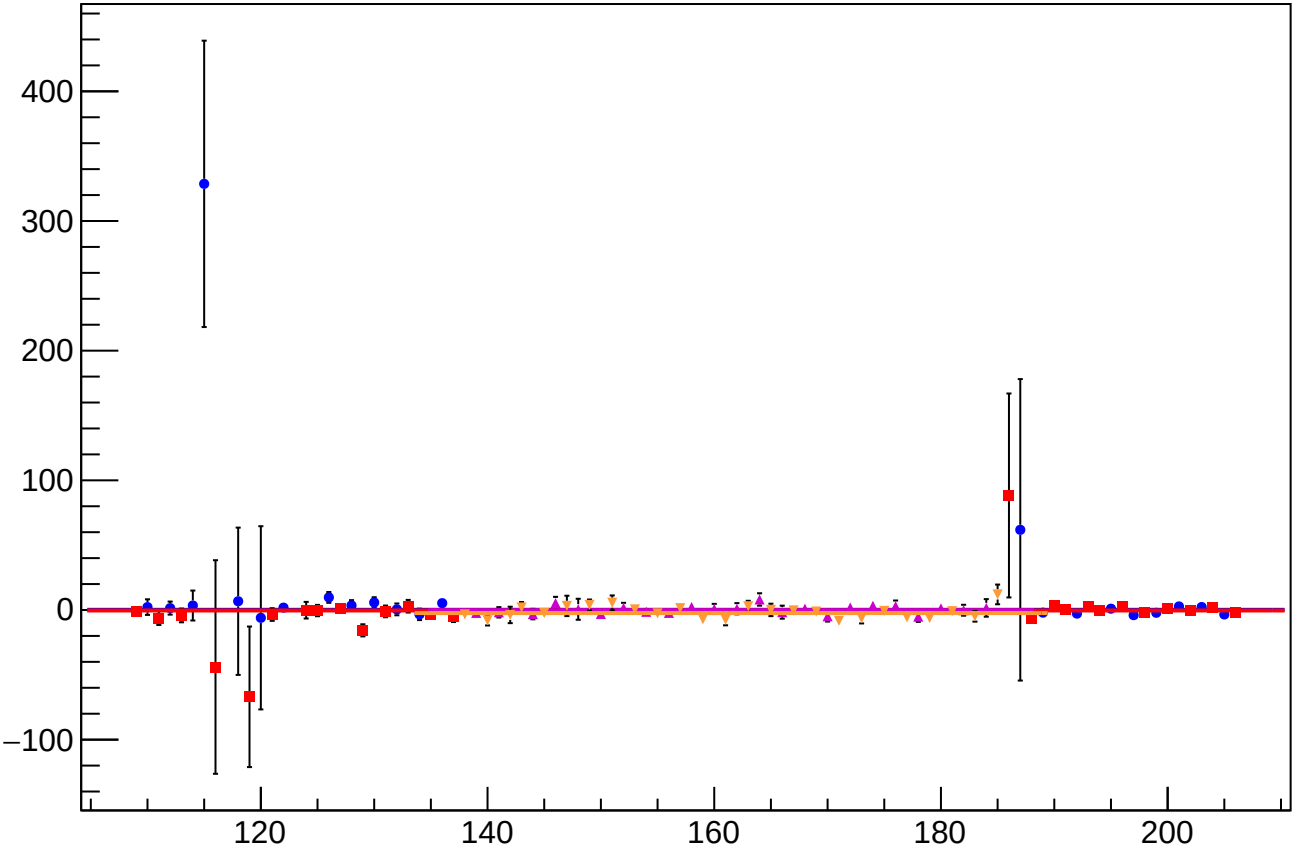
Left In: 1032.715+/-0.171 χ^2/NDF:187148.3/22

+ sign 1149.050+/-0.155 χ^2/NDF: 8486881.4/46

All: 1159.031+/-0.111 χ^2/NDF: 18321188.3/9

- sign 1169.353+/-0.158 χ^2/NDF: 9825914.3/48

diff_bpm1p02bY_mean vs Slug



Right In: 0.129+/-0.614 χ^2/NDF: 40.2/21

Left Out: -2.380+/-0.782 χ^2/NDF:24.3/24

Right Out: -0.363+/-0.564 χ^2/NDF: 31.3/25

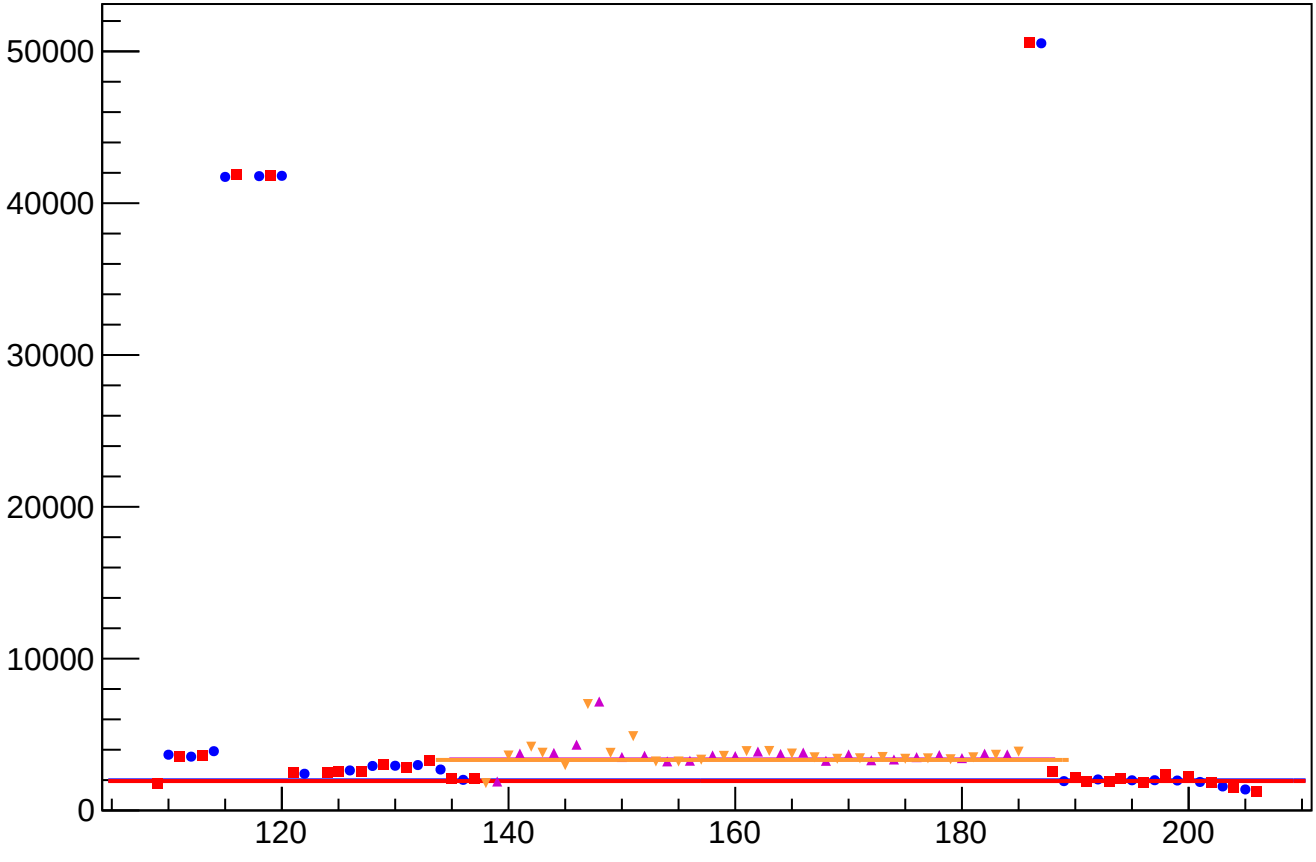
Left In: -0.171+/-0.810 χ^2/NDF:12.6/22

+ sign -0.827+/-0.483 χ^2/NDF: 70.8/46

All: -0.552+/-0.334 χ^2/NDF: 115.4/95

- sign -0.300+/-0.463 χ^2/NDF: 43.9/48

diff_bpm1p02bY_rms vs Slug



Right In: 1981.947+/-0.434 χ^2/NDF: 3523256.7/21

Left Out: 3328.251+/-0.553 χ^2/NDF:1915576.2/24

Right Out: 1936.238+/-0.399 χ^2/NDF: 4080337.5/25

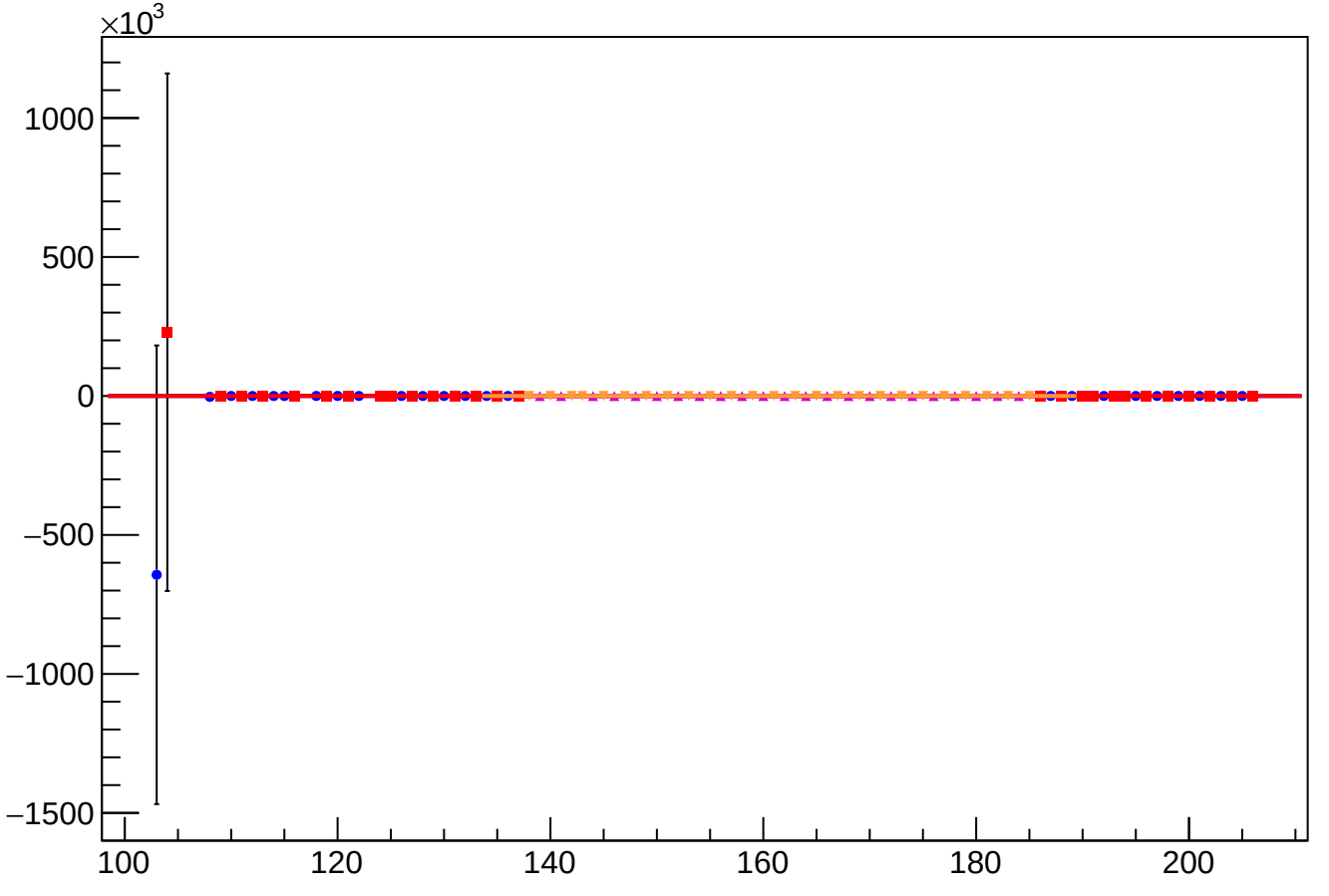
Left In: 3360.799+/-0.572 χ^2/NDF:1649390.5/22

+ sign 2494.812+/-0.341 χ^2/NDF: 9107685.9/46

All: 2446.335+/-0.236 χ^2/NDF: 19044725.1/9

- sign 2401.771+/-0.327 χ^2/NDF: 9898324.7/48

diff_bpm1p03aX_mean vs Slug



Right In: -1.018+/-0.649 χ^2/NDF: 26.5/23

Left Out: -1.573+/-0.363 χ^2/NDF:50.3/24

Right Out: -1.649+/-0.617 χ^2/NDF: 24.5/26

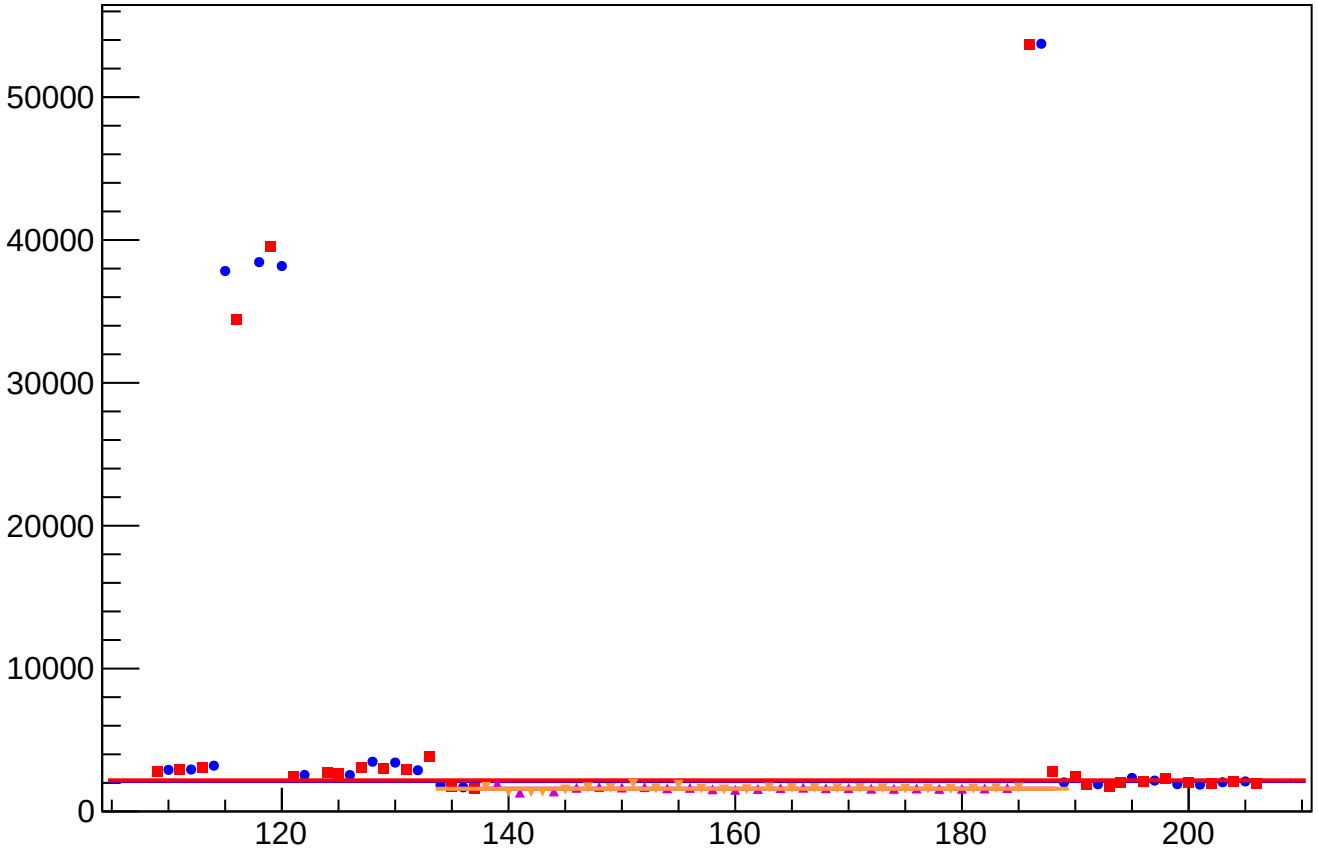
Left In: 0.018+/-0.374 χ^2/NDF:27.3/22

+ sign -1.441+/-0.317 χ^2/NDF: 77.4/48

All: -0.941+/-0.225 χ^2/NDF: 139.5/98

- sign -0.431+/-0.320 χ^2/NDF: 57.1/49

diff_bpm1p03aX_rms vs Slug



Right In: 2124.370+/-0.459 χ^2/NDF: 2968403.0/21

Left Out: 1589.488+/-0.257 χ^2/NDF:232518.0/24

Right Out: 2179.670+/-0.437 χ^2/NDF: 3246315.2/25

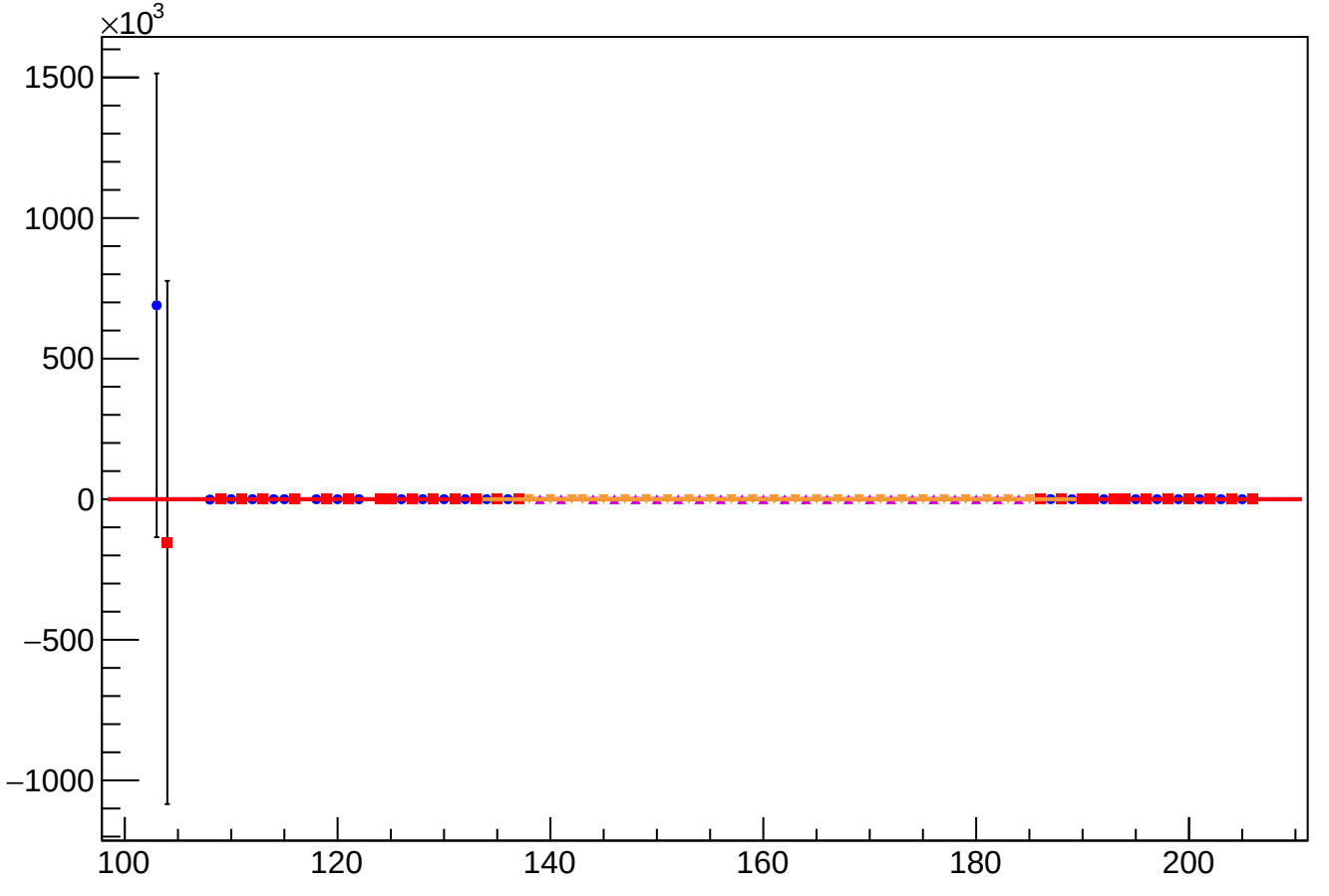
Left In: 1596.179+/-0.265 χ^2/NDF:196833.1/22

+ sign 1716.848+/-0.224 χ^2/NDF: 4235440.5/46

All: 1734.762+/-0.159 χ^2/NDF: 8997284.5/95

- sign 1753.064+/-0.226 χ^2/NDF: 4748912.4/48

diff_bpm1p03aY_mean vs Slug



Right In: 0.312+/-0.516 χ^2/NDF: 20.6/23

Left Out: -1.179+/-0.502 χ^2/NDF:24.4/24

Right Out: 0.144+/-0.475 χ^2/NDF: 26.5/26

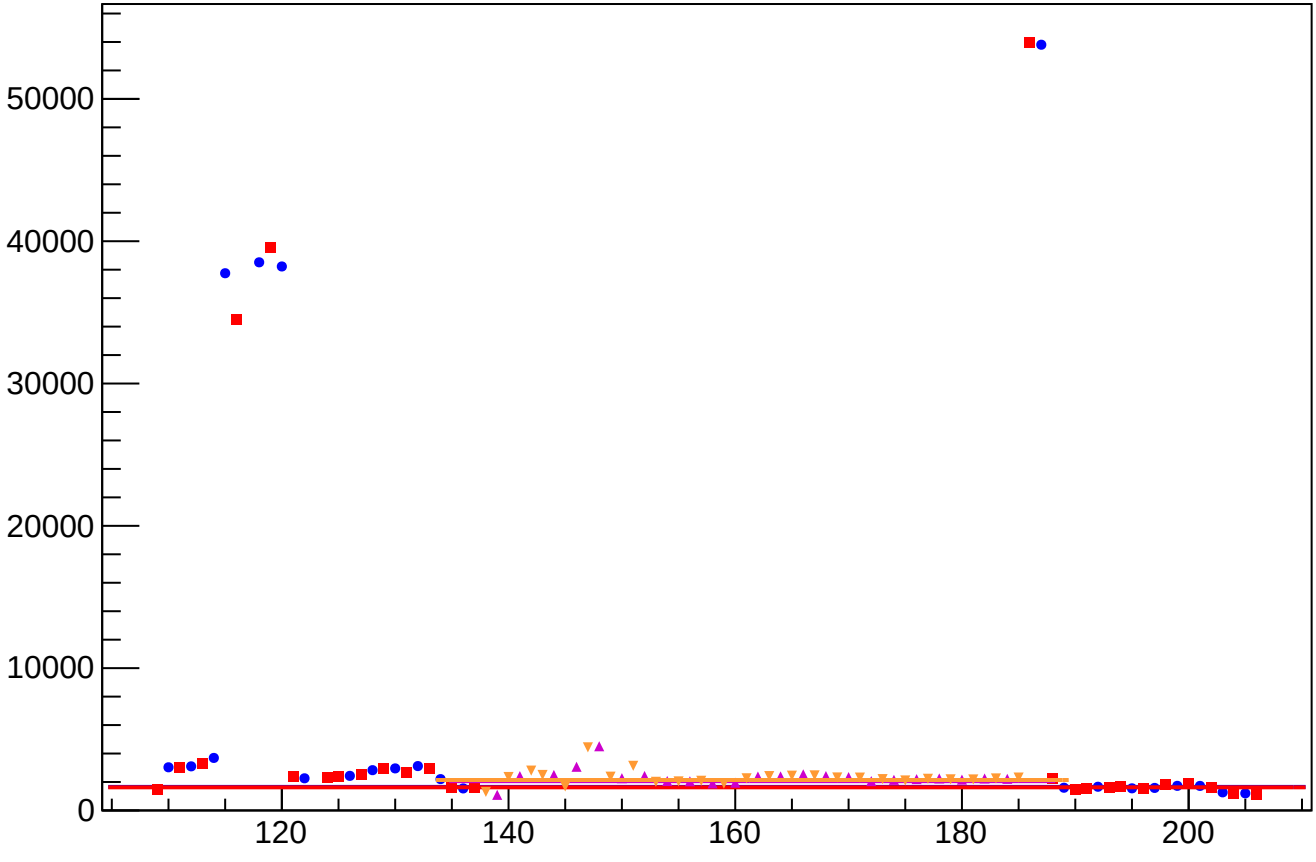
Left In: 0.125+/-0.501 χ^2/NDF:16.9/22

+ sign -0.454+/-0.360 χ^2/NDF: 49.3/48

All: -0.147+/-0.249 χ^2/NDF: 94.1/98

- sign 0.135+/-0.345 χ^2/NDF: 43.4/49

diff_bpm1p03aY_rms vs Slug



Right In: 1654.793+/-0.365 χ^2/NDF: 3859634.2/21

Left Out: 2139.248+/-0.355 χ^2/NDF:1480000.5/24

Right Out: 1625.576+/-0.336 χ^2/NDF: 4242649.3/25

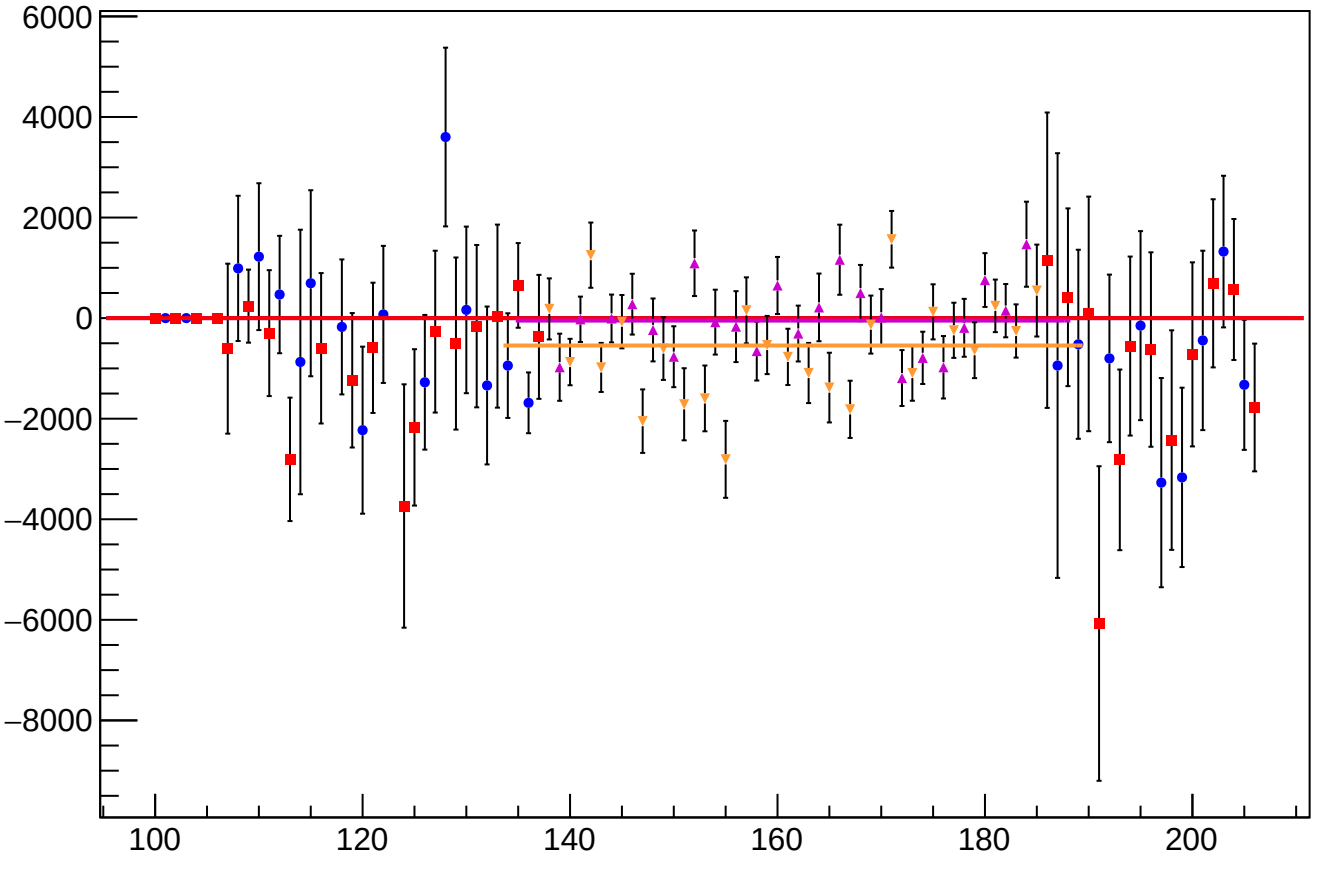
Left In: 2058.216+/-0.354 χ^2/NDF:2293601.6/22

+ sign 1903.649+/-0.255 χ^2/NDF: 6243783.7/46

All: 1865.360+/-0.176 χ^2/NDF: 13608403.4/9

- sign 1830.266+/-0.244 χ^2/NDF: 7321289.7/48

diff_cav4bX_mean vs Slug



Right In: 0.255+/-0.356 χ^2/NDF: 25.6/24

Left Out: -544.414+/-117.154 χ^2/NDF:60.9/24

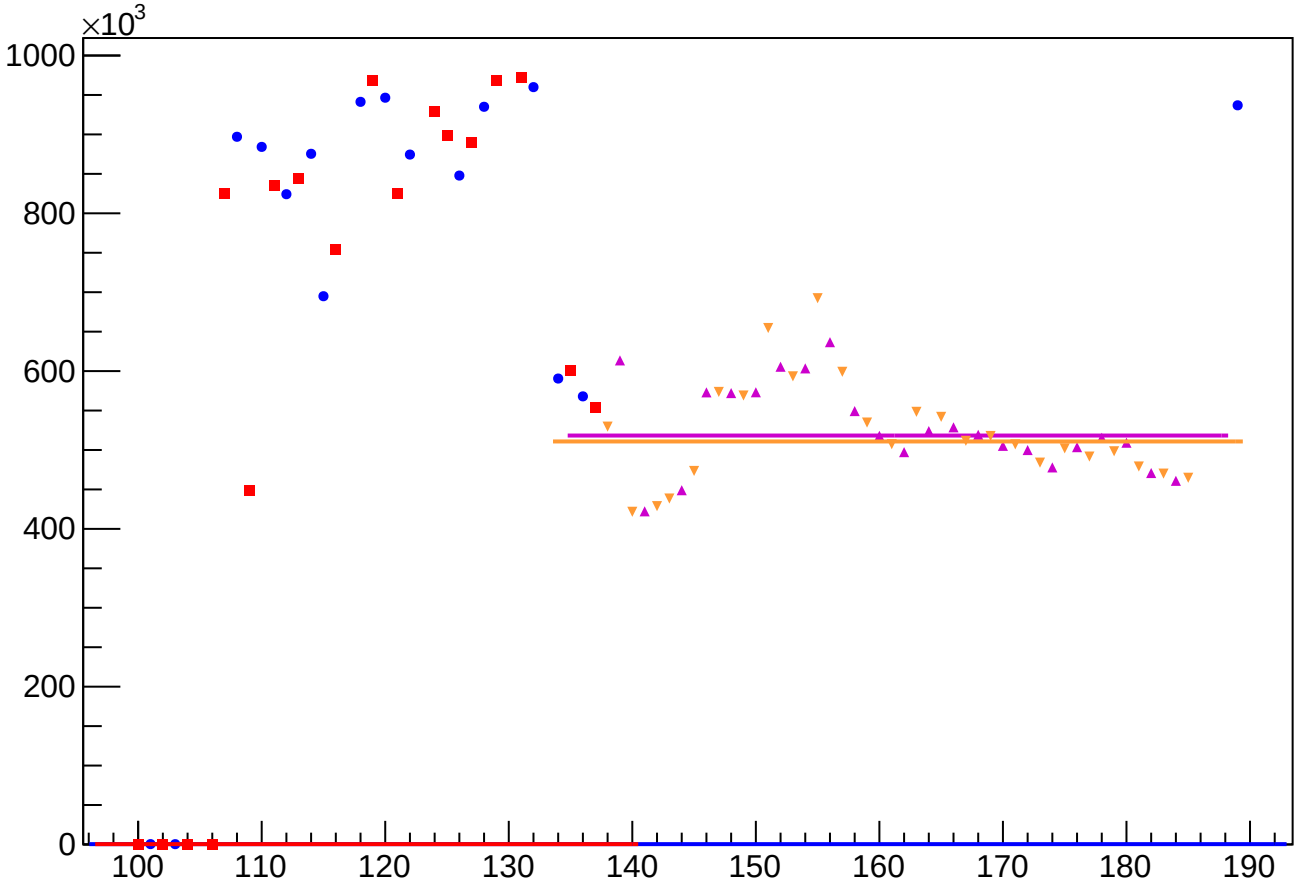
Right Out: 0.096+/-0.328 χ^2/NDF: 25.7/30

Left In: -49.119+/-121.932 χ^2/NDF:28.0/22

+ sign 0.250+/-0.356 χ^2/NDF: 108.1/49

All: 0.166+/-0.241 χ^2/NDF: 162.1/103

- sign 0.095+/-0.328 χ^2/NDF: 53.9/53



Right In: 398.894+/-0.251 χ^2/NDF: 8685185.3/15

Left Out: 510811.545+/-82.841 χ^2/NDF:509606.7/24

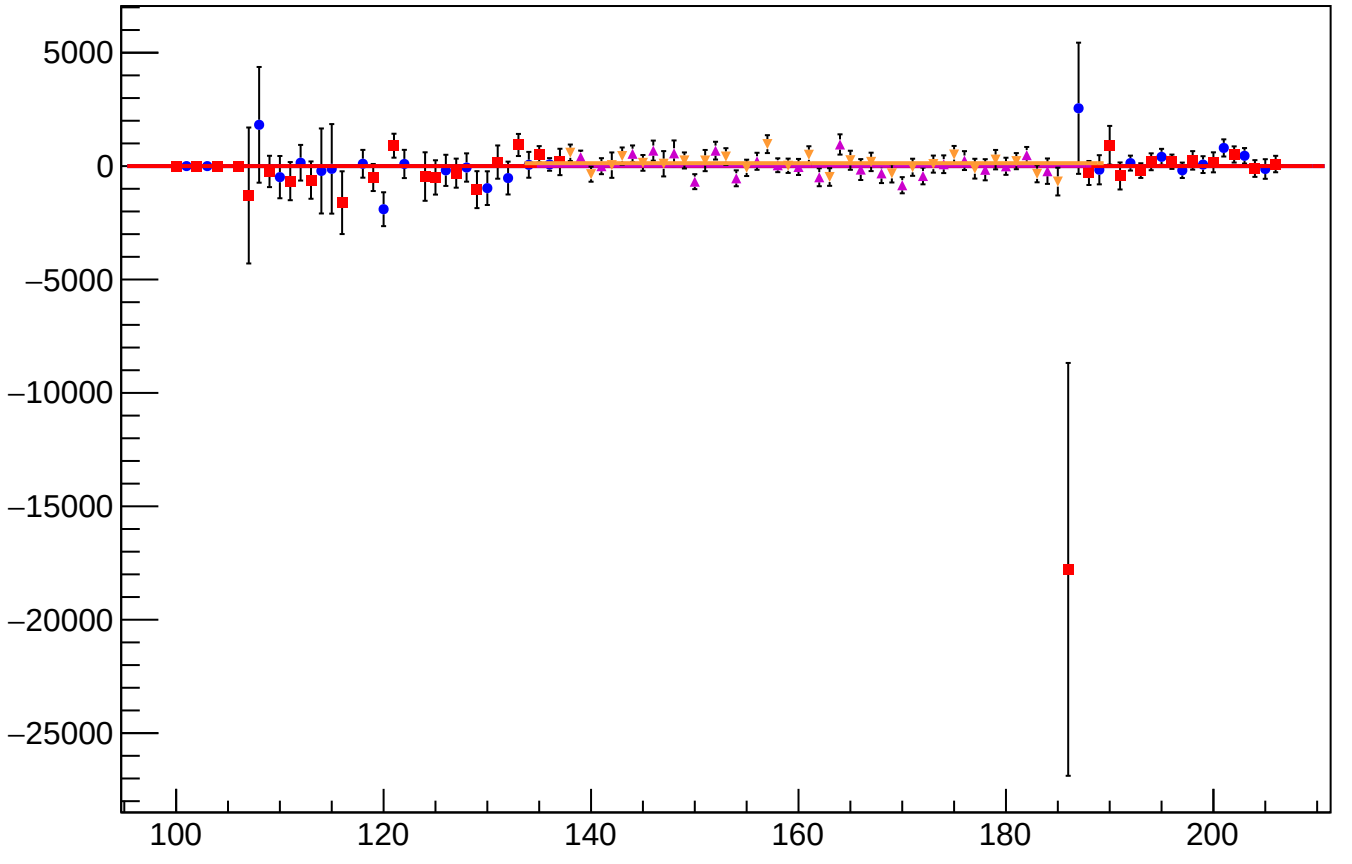
Right Out: 393.240+/-0.232 χ^2/NDF: 7648578.2/17

Left In: 518313.411+/-86.219 χ^2/NDF:399884.6/22

+ sign 403.598+/-0.251 χ^2/NDF: 47157011.5/40

All: 400.021+/-0.170 χ^2/NDF: 91289762.7/81

- sign 396.983+/-0.232 χ^2/NDF: 44132377.0/40



Right In: -0.019+/-0.347 χ^2/NDF: 19.5/24

Left Out: 128.971+/-78.249 χ^2/NDF:20.1/24

Right Out: 0.599+/-0.324 χ^2/NDF: 24.6/30

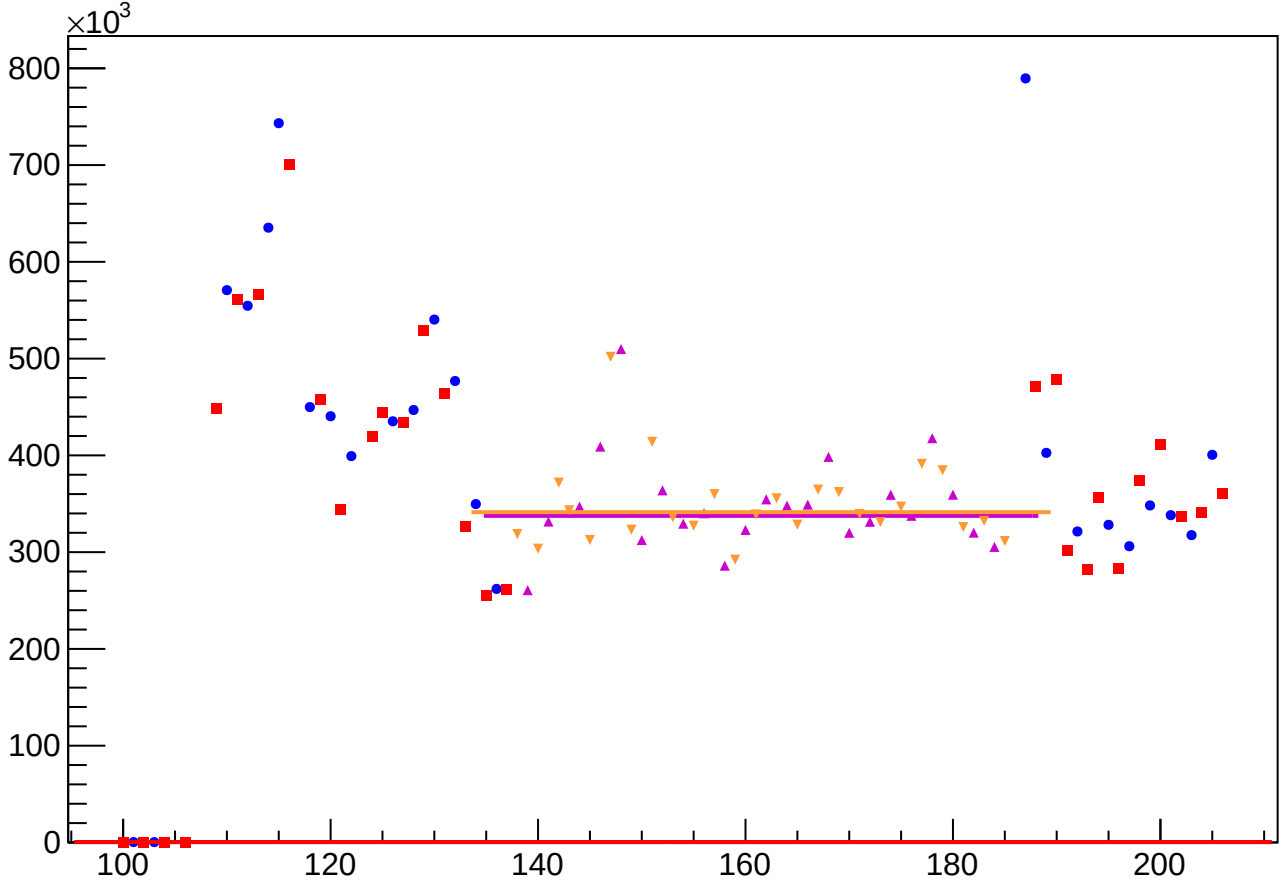
Left In: 19.324+/-79.767 χ^2/NDF:33.7/22

+ sign -0.016+/-0.347 χ^2/NDF: 42.3/49

All: 0.313+/-0.237 χ^2/NDF: 102.3/103

- sign 0.600+/-0.324 χ^2/NDF: 58.3/53

diff_cav4bY_rms vs Slug



Right In: 392.559+/-0.245 χ^2/NDF: 23962220.9/23

Left Out: 341327.149+/-55.330 χ^2/NDF:403173.8/24

Right Out: 390.446+/-0.229 χ^2/NDF: 27565880.7/28

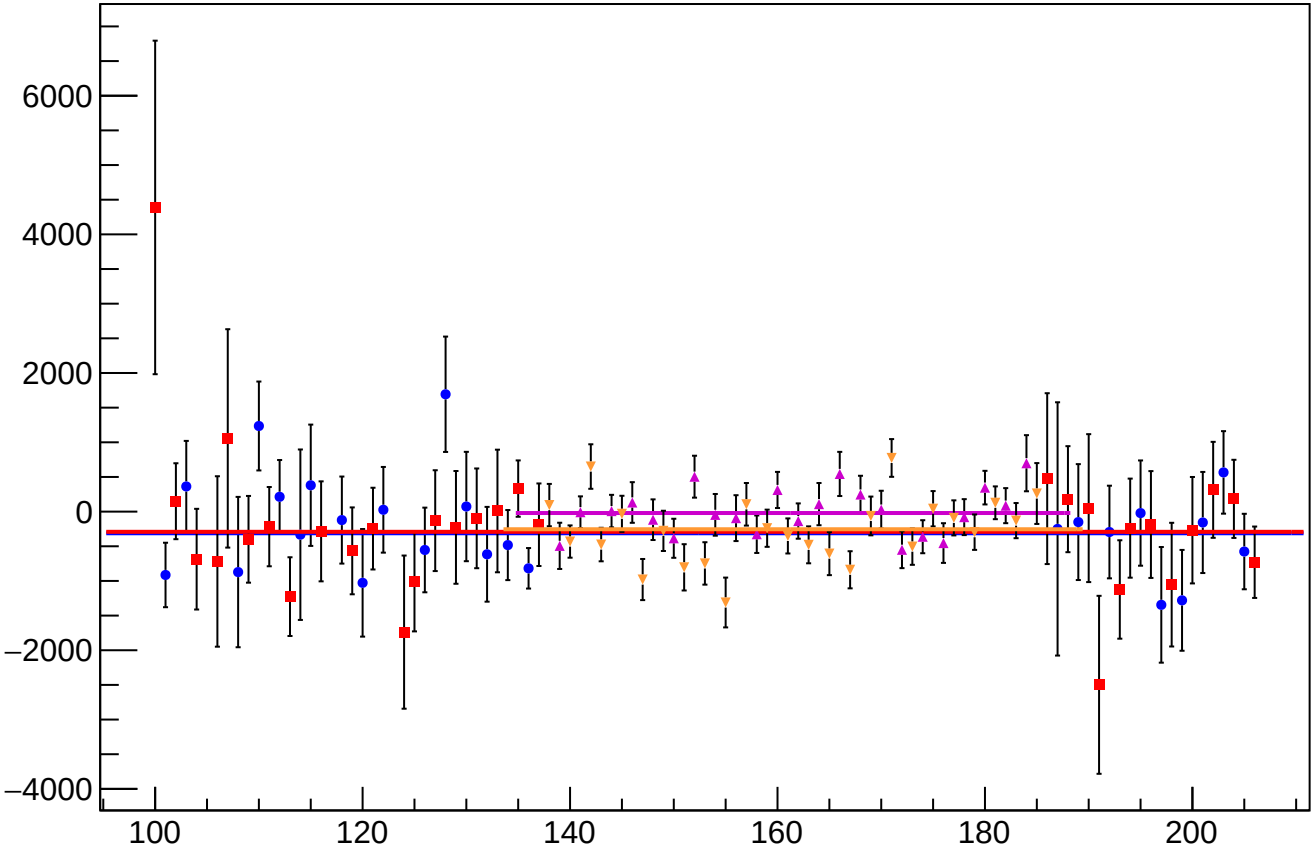
Left In: 337505.654+/-56.407 χ^2/NDF:600776.4/22

+ sign 399.268+/-0.245 χ^2/NDF: 62332622.9/48

All: 397.521+/-0.167 χ^2/NDF: 126217270.7/1

- sign 396.000+/-0.229 χ^2/NDF: 63884553.0/51

diff_cav4cX_mean vs Slug



Right In: -312.140+/-125.834 χ^2/NDF: 27.1/24

Left Out: -254.371+/-55.417 χ^2/NDF:61.3/24

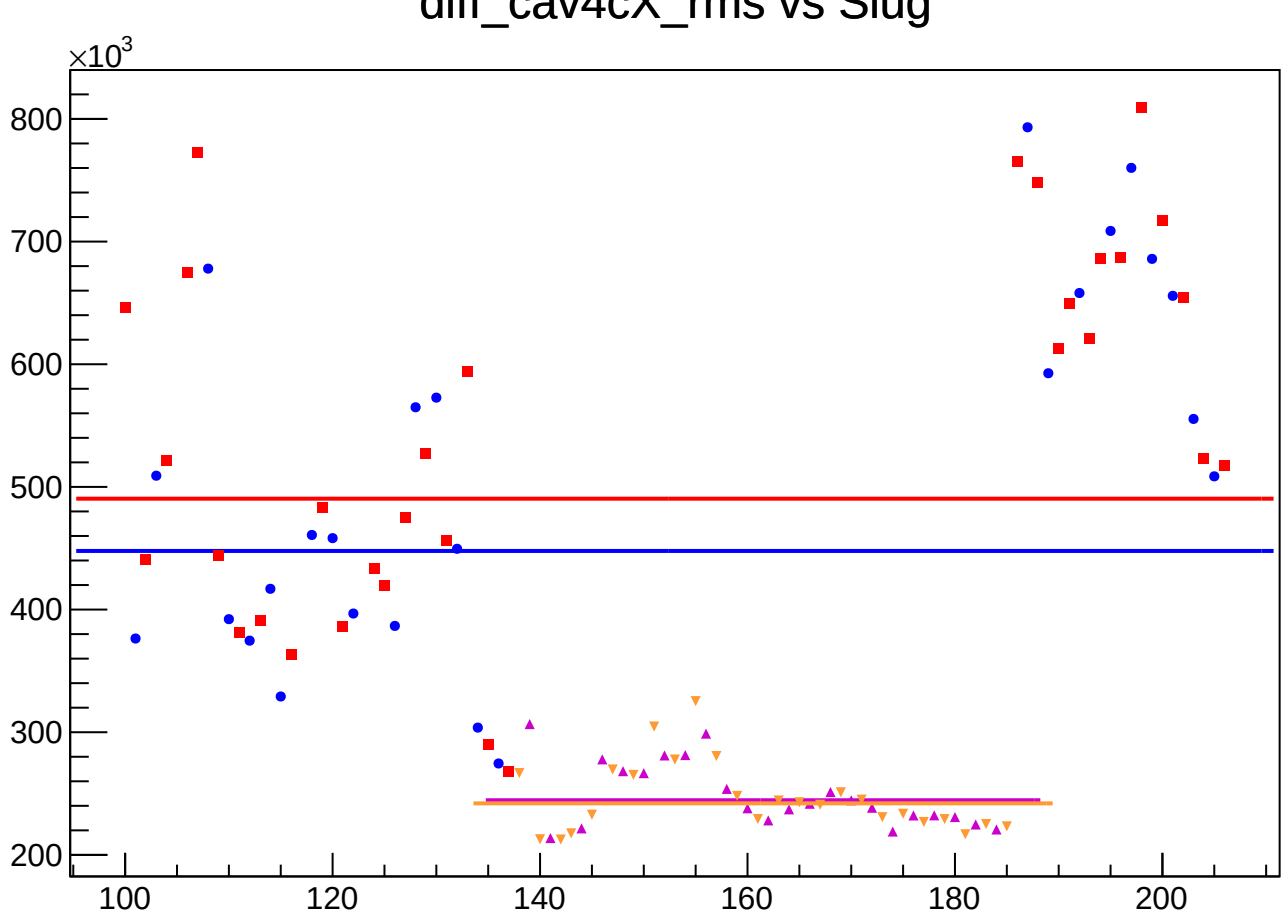
Right Out: -291.278+/-126.771 χ^2/NDF: 22.1/30

Left In: -20.176+/-57.484 χ^2/NDF:28.6/22

+ sign -263.755+/-50.717 χ^2/NDF: 88.6/49

All: -168.215+/-36.427 χ^2/NDF: 150.4/103

- sign -66.412+/-52.353 χ^2/NDF: 54.4/53



Right In: 447792.448+/-88.996 χ^2/NDF: 2547031.7/24

Left Out: 242008.749+/-39.186 χ^2/NDF:413236.1/24

Right Out: 490408.323+/-89.745 χ^2/NDF: 2500299.1/30

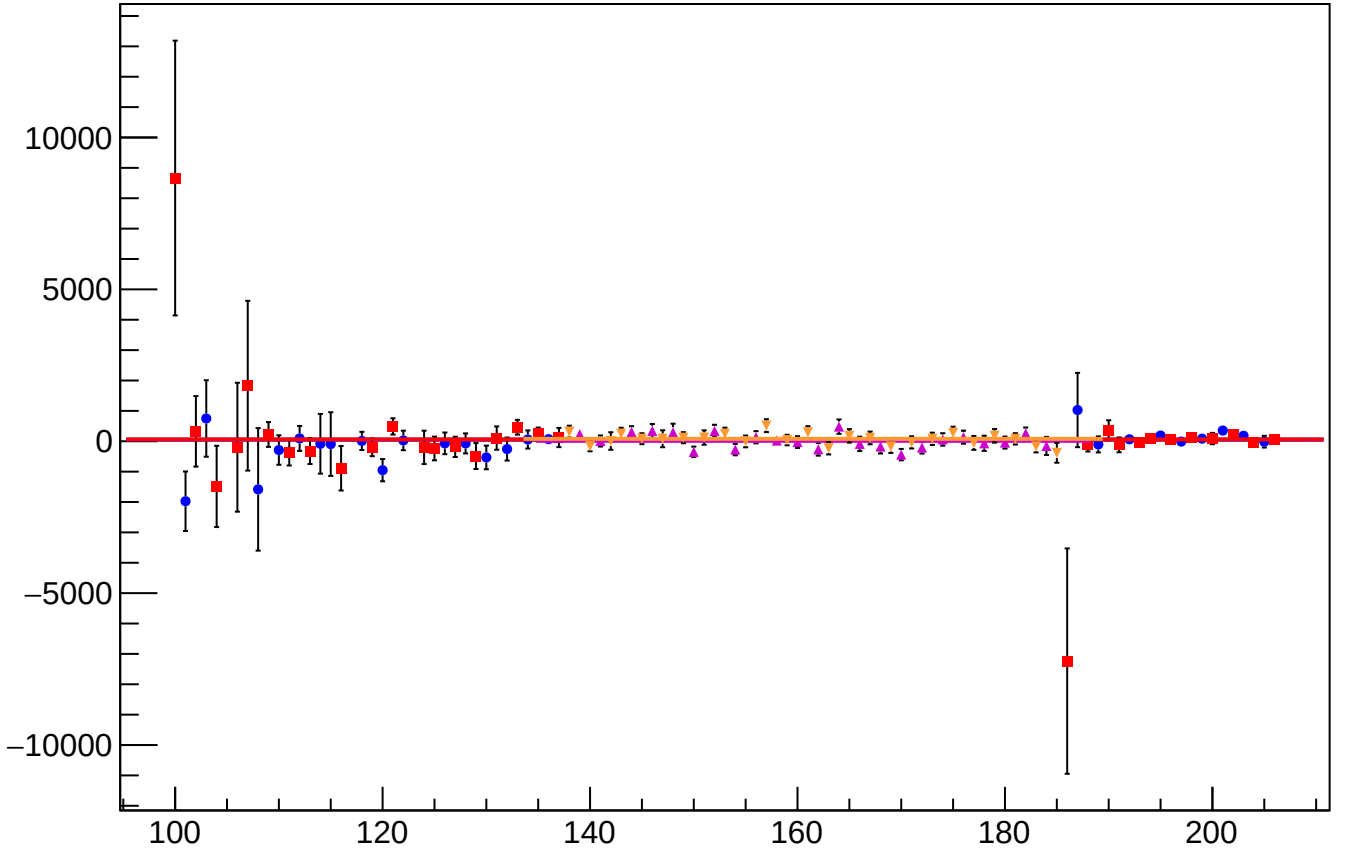
Left In: 244542.686+/-40.647 χ^2/NDF:361527.4/22

+ sign 275426.235+/-35.863 χ^2/NDF: 7438650.8/49

All: 280734.778+/-25.761 χ^2/NDF: 1657357

- sign 286393.217+/-37.027 χ^2/NDF: 9089663.8/53

diff_cav4cY_mean vs Slug



Right In: 52.827+/-46.764 χ^2/NDF: 23.0/24

Left Out: 79.495+/-41.301 χ^2/NDF:19.7/24

Right Out: 58.926+/-43.394 χ^2/NDF: 27.4/30

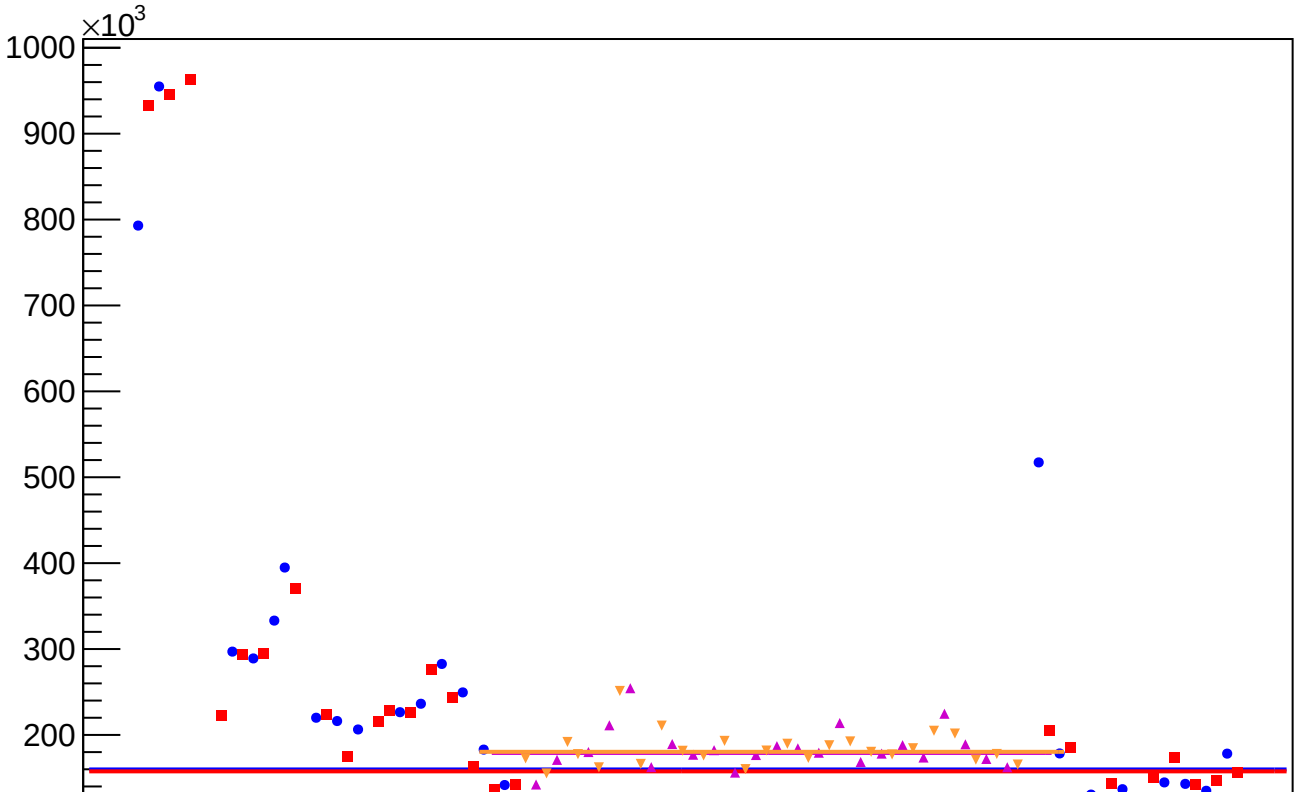
Left In: 14.032+/-42.233 χ^2/NDF:33.2/22

+ sign 67.809+/-30.956 χ^2/NDF: 43.0/49

All: 51.479+/-21.641 χ^2/NDF: 104.6/103

- sign 35.870+/-30.265 χ^2/NDF: 61.1/53

diff_cav4cY_rms vs Slug



Right In: 159819.461+/-33.083 χ^2/NDF: 3224410.3/23

Left Out: 180342.867+/-29.204 χ^2/NDF:346596.9/24

Right Out: 157584.672+/-30.705 χ^2/NDF: 3271755.5/27

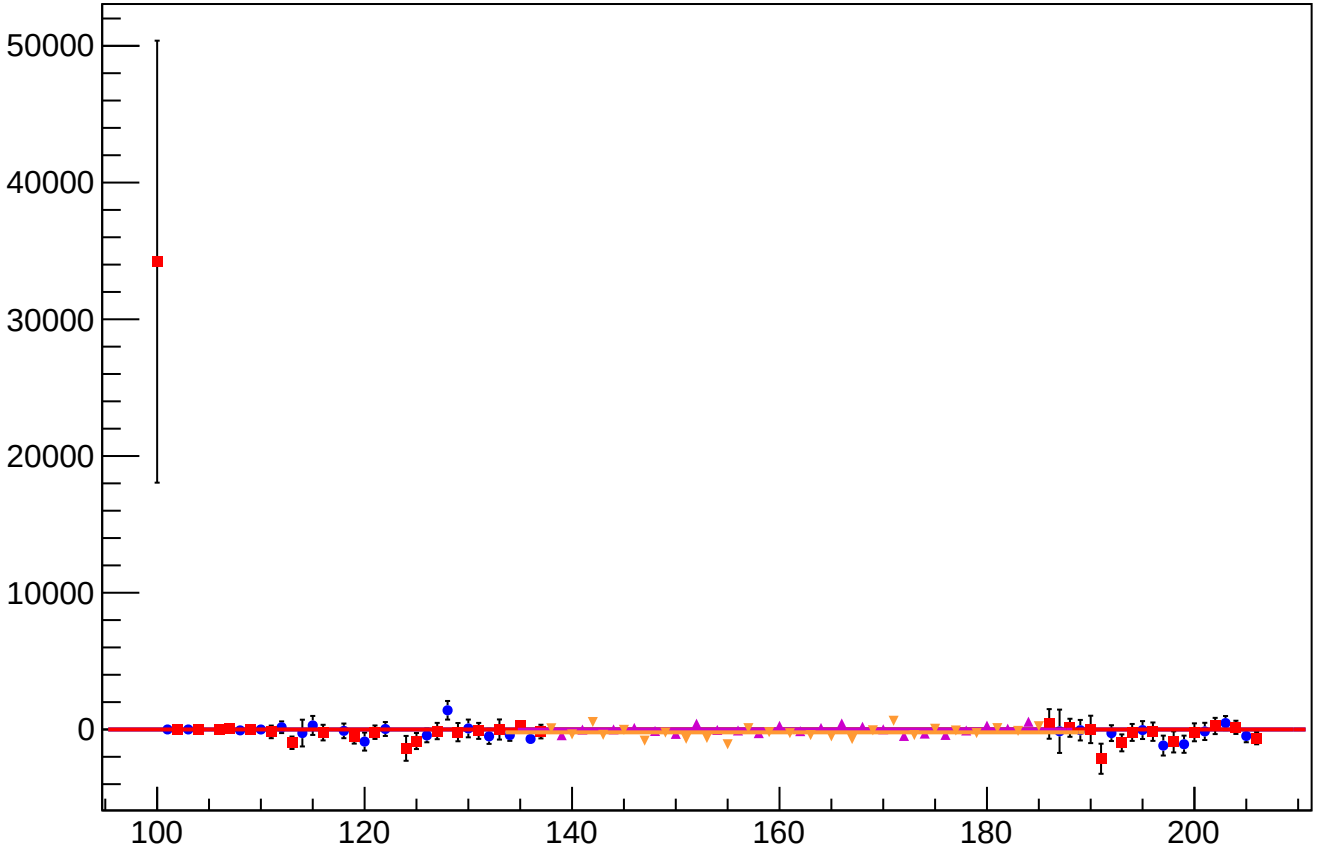
Left In: 179024.195+/-29.863 χ^2/NDF:501400.7/22

+ sign 171354.347+/-21.894 χ^2/NDF: 3787305.7/48

All: 169947.436+/-15.307 χ^2/NDF: 7819083.

- sign 168602.287+/-21.408 χ^2/NDF: 4023699.9/50

diff_cav4dX_mean vs Slug



Right In: -0.035+/-0.172 χ^2/NDF: 25.9/24

Left Out: -210.198+/-46.290 χ^2/NDF:61.2/24

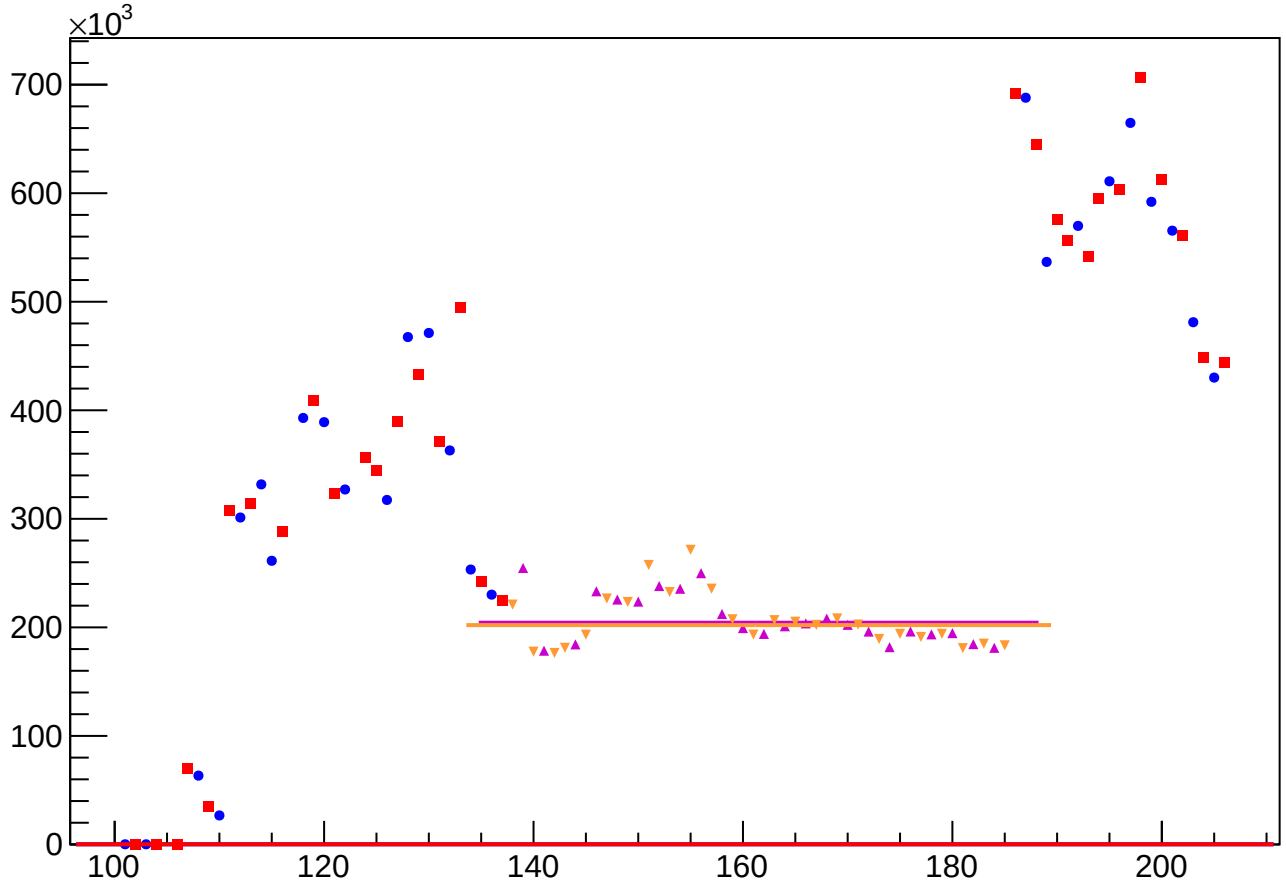
Right Out: -0.355+/-0.160 χ^2/NDF: 27.0/30

Left In: -21.095+/-48.037 χ^2/NDF:28.6/22

+ sign -0.038+/-0.172 χ^2/NDF: 107.7/49

All: -0.208+/-0.117 χ^2/NDF: 165.3/103

- sign -0.356+/-0.160 χ^2/NDF: 55.8/53



Right In: 149.459+/-0.122 χ^2/NDF: 24926461.9/24

Left Out: 202085.802+/-32.732 χ^2/NDF:434069.3/24

Right Out: 149.784+/-0.113 χ^2/NDF: 29120585.8/29

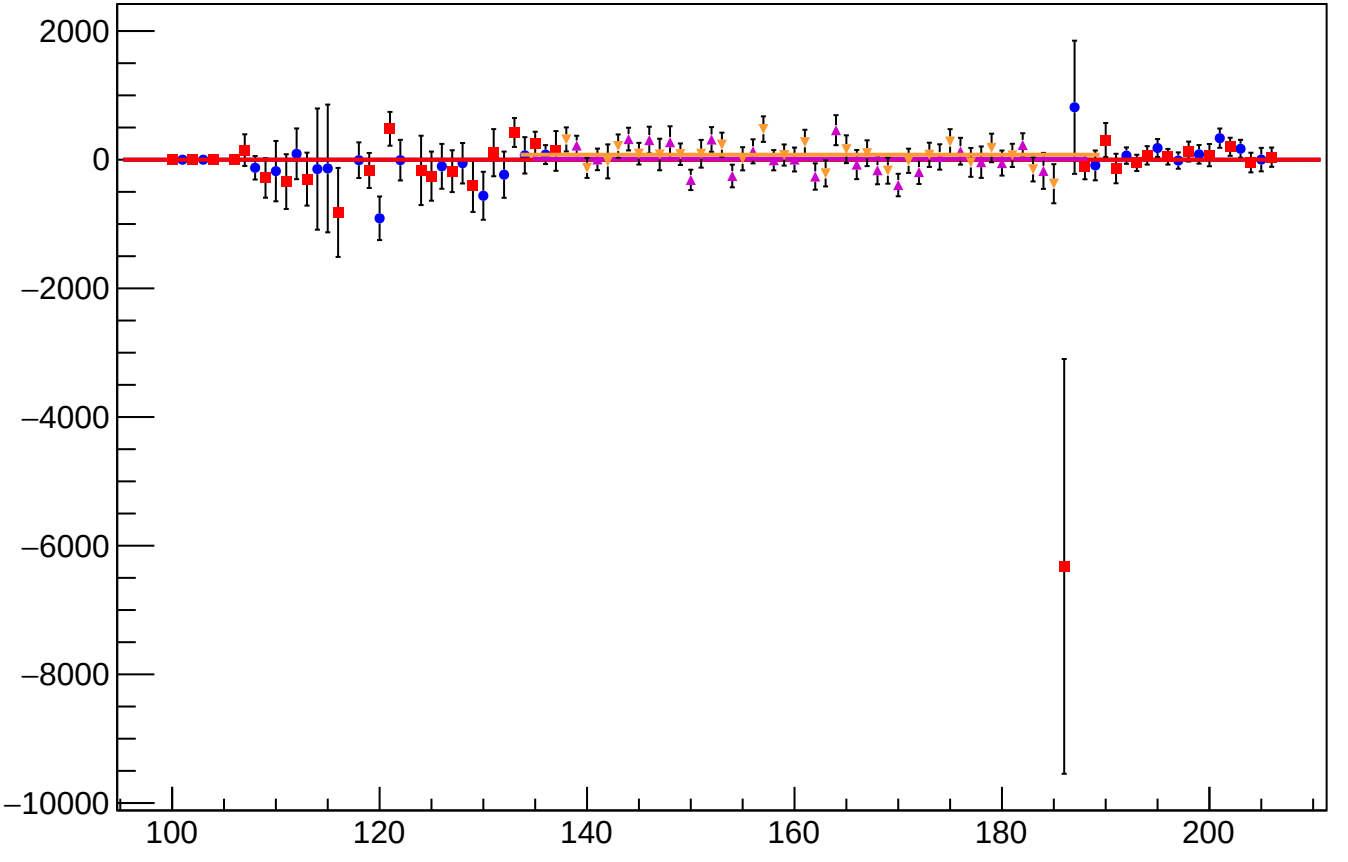
Left In: 204310.238+/-33.967 χ^2/NDF:377332.3/22

+ sign 152.256+/-0.122 χ^2/NDF: 63422197.1/49

All: 152.147+/-0.083 χ^2/NDF: 129045422.7/1

- sign 152.052+/-0.113 χ^2/NDF: 65623224.1/52

diff_cav4dY_mean vs Slug



Right In: -0.067+/-0.177 χ^2/NDF: 20.7/24

Left Out: 77.572+/-38.921 χ^2/NDF:19.1/24

Right Out: 0.127+/-0.166 χ^2/NDF: 24.6/30

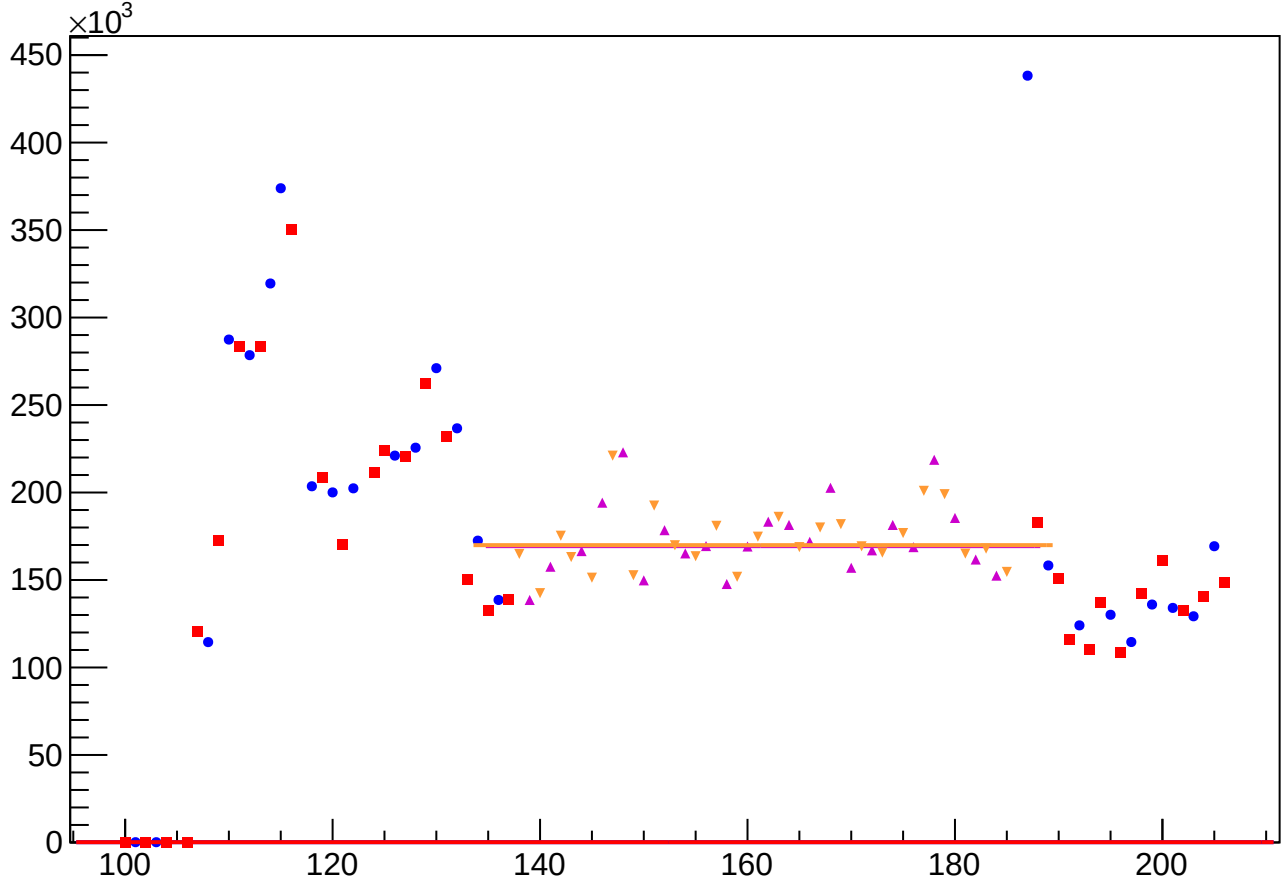
Left In: 13.457+/-39.929 χ^2/NDF:32.7/22

+ sign -0.065+/-0.177 χ^2/NDF: 43.8/49

All: 0.037+/-0.121 χ^2/NDF: 101.8/103

- sign 0.127+/-0.166 χ^2/NDF: 57.4/53

diff_cav4dY_rms vs Slug



Right In: 154.996+/-0.125 χ^2/NDF: 25231549.5/24

Left Out: 169916.225+/-27.521 χ^2/NDF:363966.0/24

Right Out: 157.841+/-0.118 χ^2/NDF: 28041645.2/29

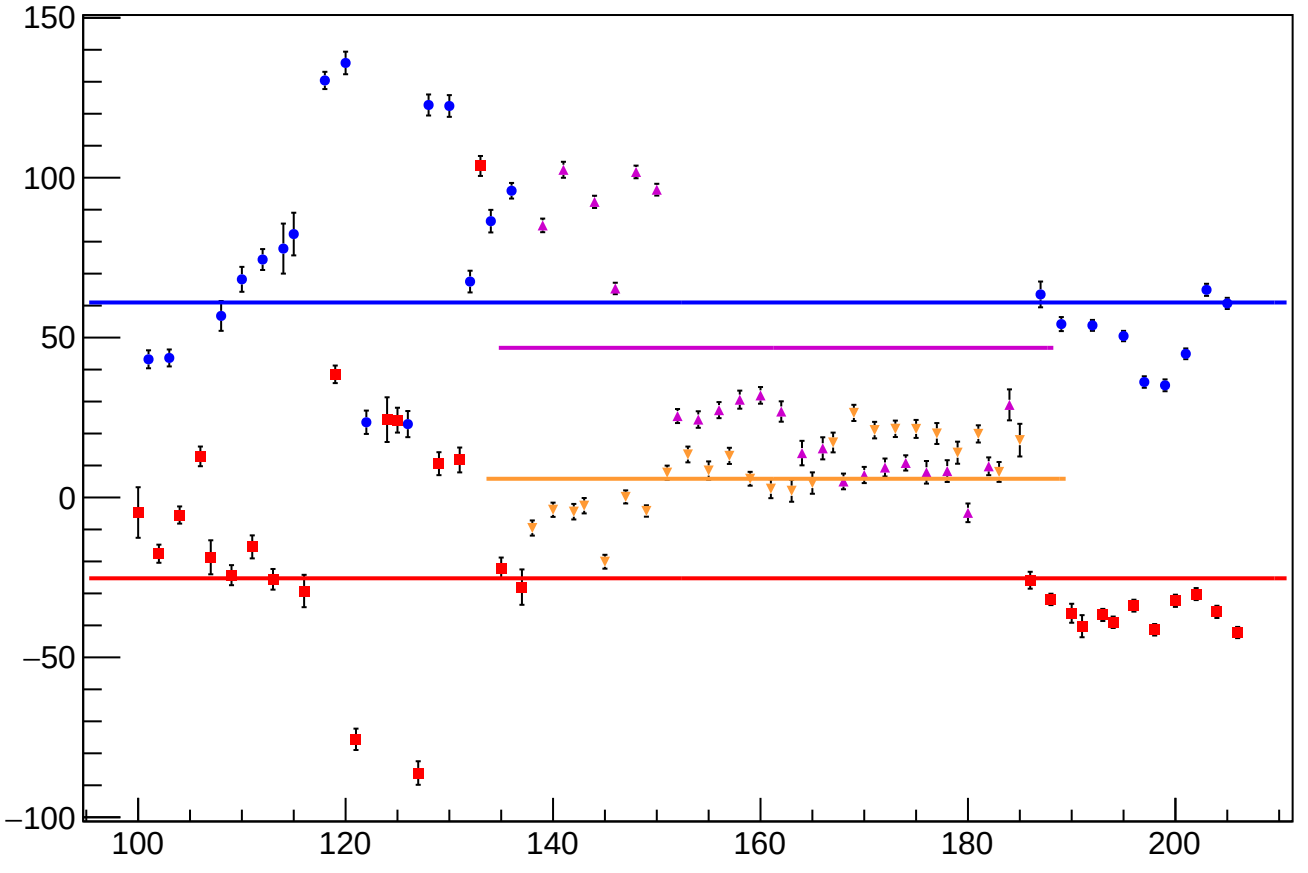
Left In: 169352.083+/-28.234 χ^2/NDF:474852.1/22

+ sign 158.516+/-0.125 χ^2/NDF: 63642989.7/49

All: 159.720+/-0.086 χ^2/NDF: 128069108.0/1

- sign 160.783+/-0.118 χ^2/NDF: 64425944.6/52

diff_bpm0i01X_mean vs Slug



Right In: 60.977+/-0.504 χ^2/NDF: 2915.3/24

Left Out: 5.852+/-0.514 χ^2/NDF:535.3/24

Right Out: -25.274+/-0.472 χ^2/NDF: 3768.9/30

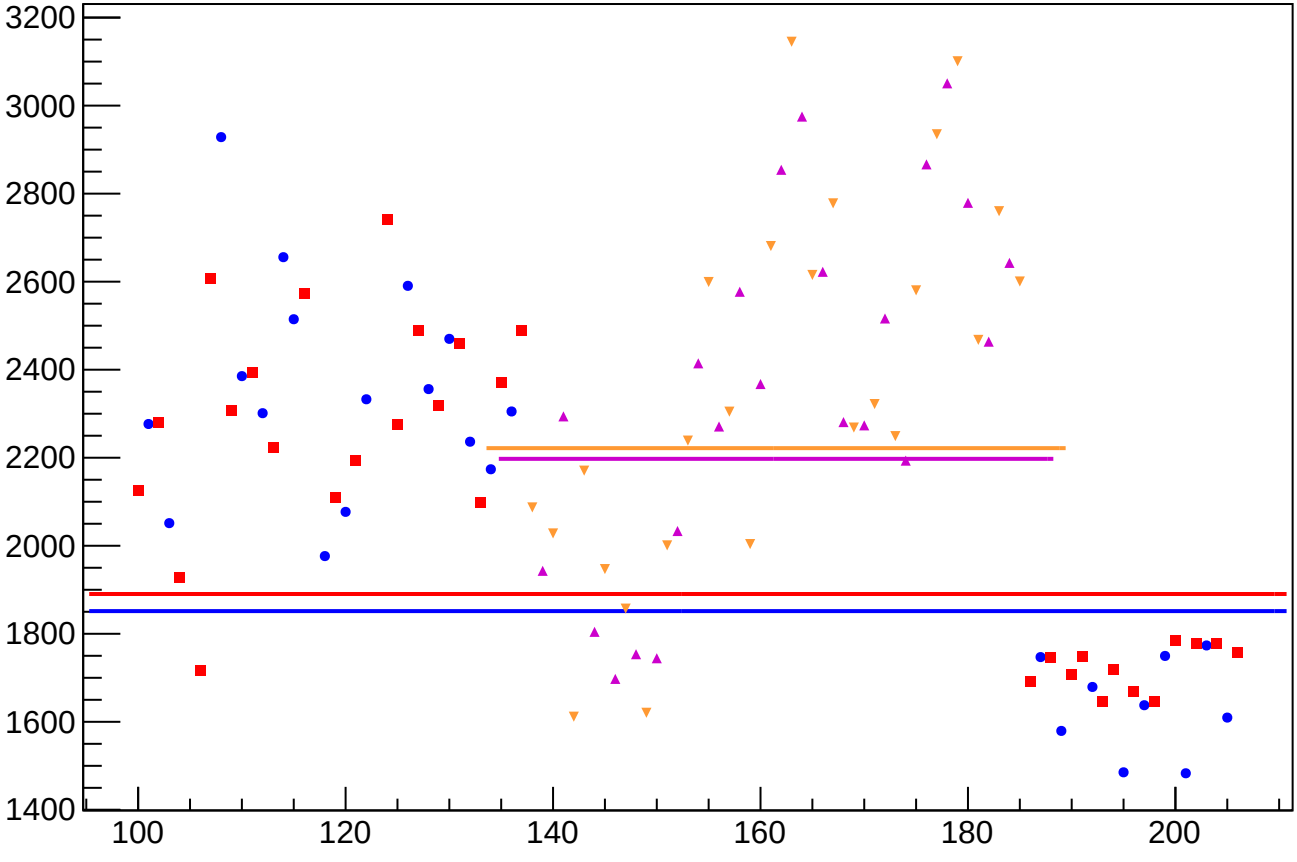
Left In: 46.796+/-0.524 χ^2/NDF:5175.4/22

+ sign 33.935+/-0.360 χ^2/NDF: 9310.6/49

All: 20.099+/-0.251 χ^2/NDF: 31570.0/103

- sign 6.964+/-0.351 χ^2/NDF: 19380.1/53

diff_bpm0i01X_rms vs Slug



Right In: 1851.542+/-0.357 χ^2/NDF: 943594.8/24

Left Out: 2221.771+/-0.363 χ^2/NDF:1184043.2/24

Right Out: 1890.391+/-0.334 χ^2/NDF: 675338.4/30

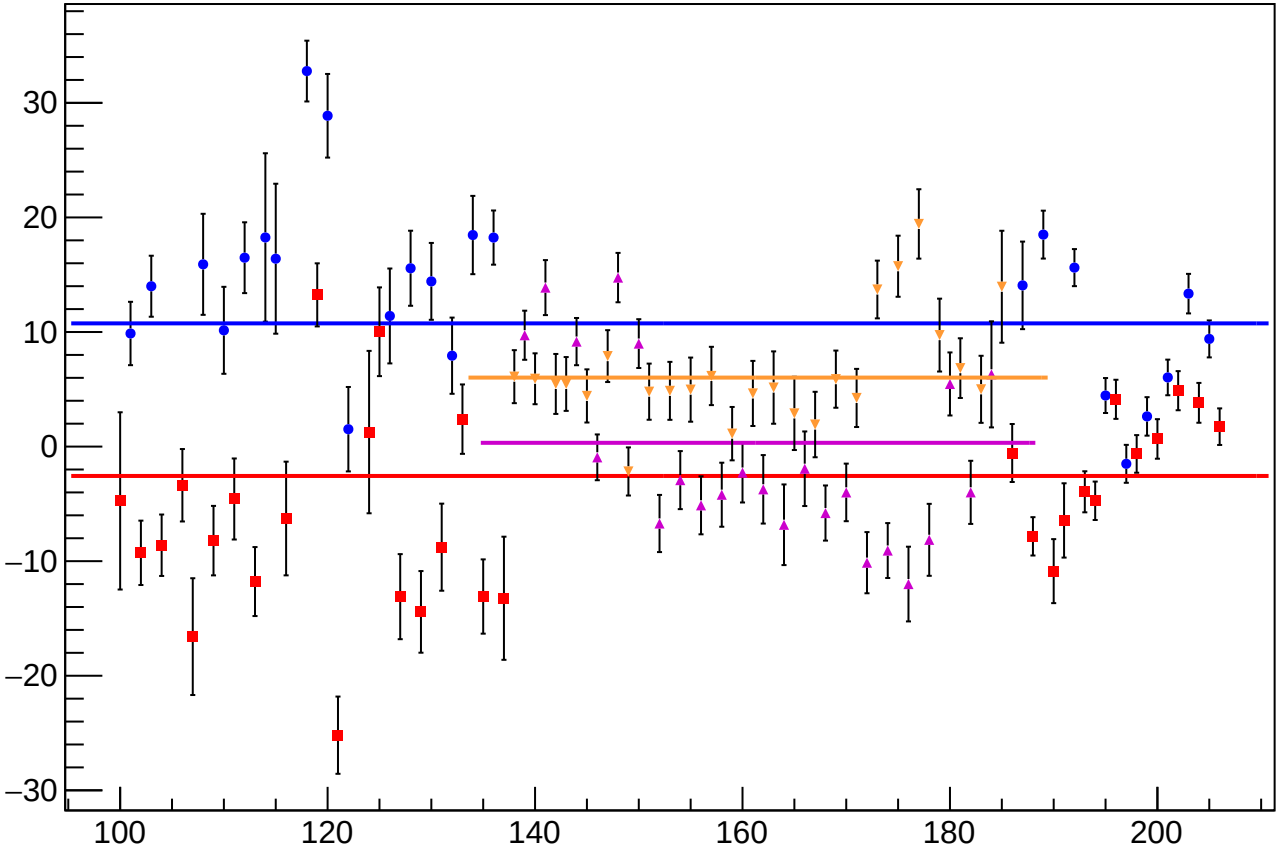
Left In: 2197.471+/-0.371 χ^2/NDF:1104663.4/22

+ sign 2033.164+/-0.255 χ^2/NDF: 2656281.0/49

All: 2030.387+/-0.178 χ^2/NDF: 4815442.9/10

- sign 2027.750+/-0.248 χ^2/NDF: 2158929.8/53

diff_bpm0i01Y_mean vs Slug



Right In: 10.754+/-0.477 χ^2/NDF: 258.2/24

Left Out: 6.022+/-0.521 χ^2/NDF:71.8/24

Right Out: -2.563+/-0.445 χ^2/NDF: 243.2/30

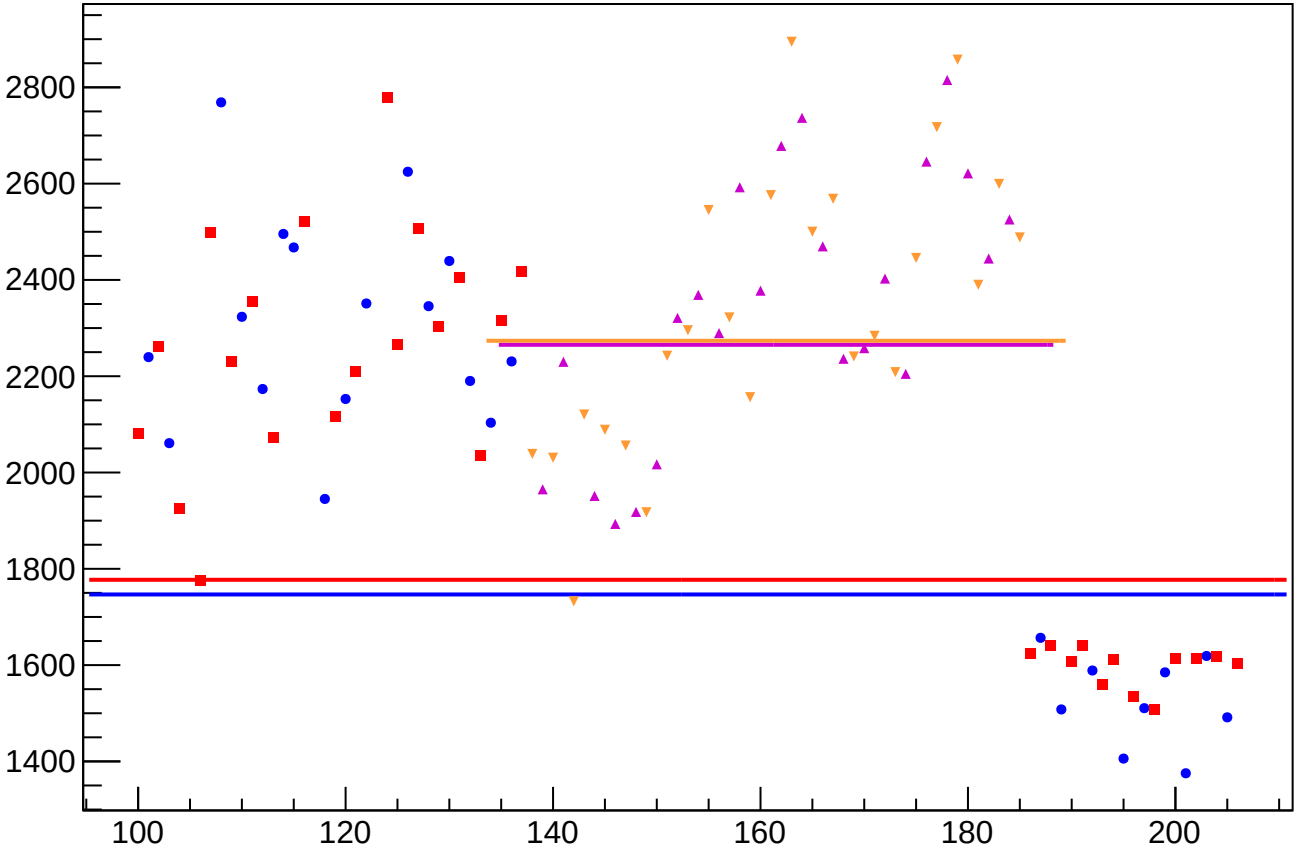
Left In: 0.329+/-0.535 χ^2/NDF:224.9/22

+ sign 8.593+/-0.352 χ^2/NDF: 374.8/49

All: 3.465+/-0.245 χ^2/NDF: 1273.0/103

- sign -1.379+/-0.342 χ^2/NDF: 485.3/53

diff_bpm0i01Y_rms vs Slug



Right In: 1746.722+/-0.338 χ^2/NDF: 1181639.8/24

Left Out: 2273.612+/-0.368 χ^2/NDF:536838.6/24

Right Out: 1777.209+/-0.315 χ^2/NDF: 930982.3/30

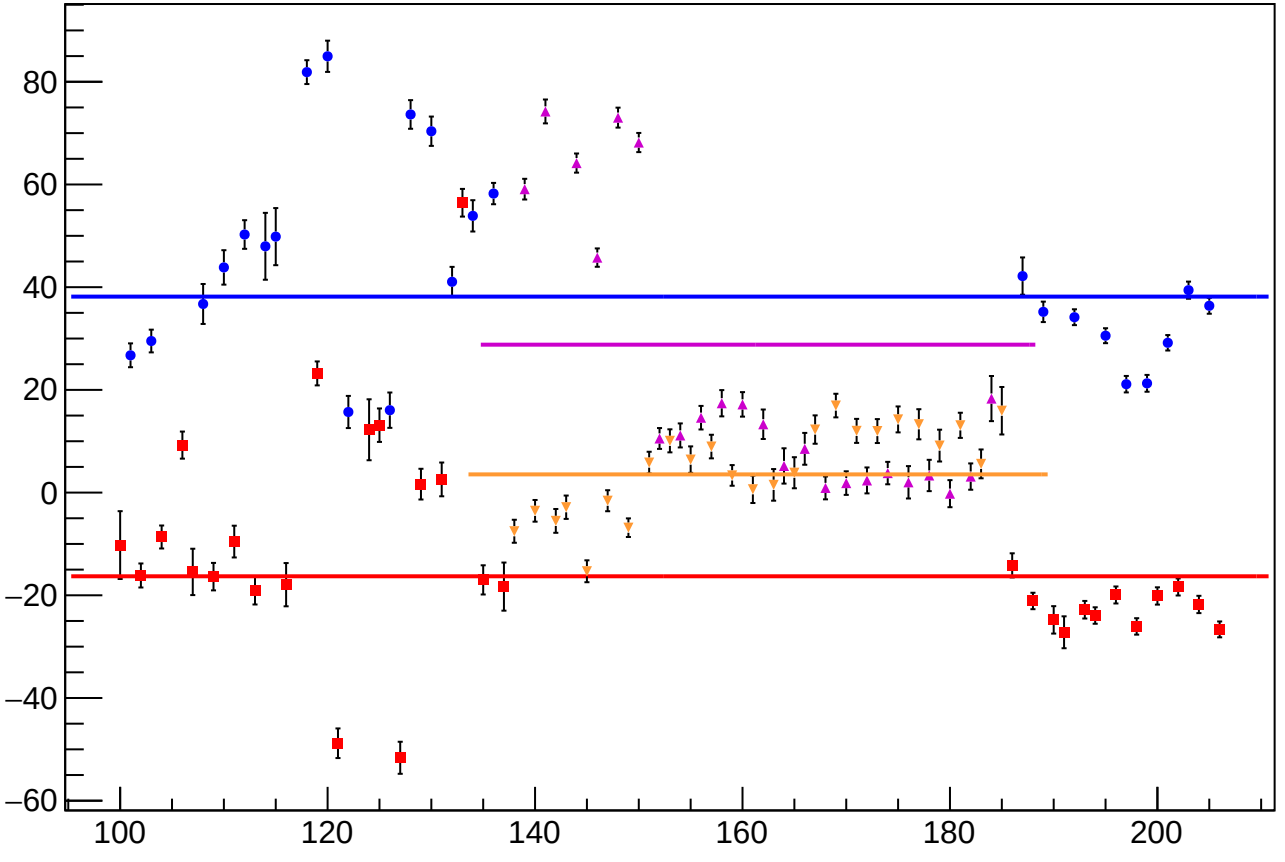
Left In: 2265.257+/-0.378 χ^2/NDF:495816.5/22

+ sign 1987.293+/-0.249 χ^2/NDF: 2830767.7/49

All: 1982.018+/-0.173 χ^2/NDF: 5242909.1/10

- sign 1977.034+/-0.242 χ^2/NDF: 2411267.4/53

diff_bpm0i01aX_mean vs Slug



Right In: 38.164+/-0.442 χ^2/NDF: 1456.1/24

Left Out: 3.544+/-0.480 χ^2/NDF:319.8/24

Right Out: -16.298+/-0.413 χ^2/NDF: 1729.7/30

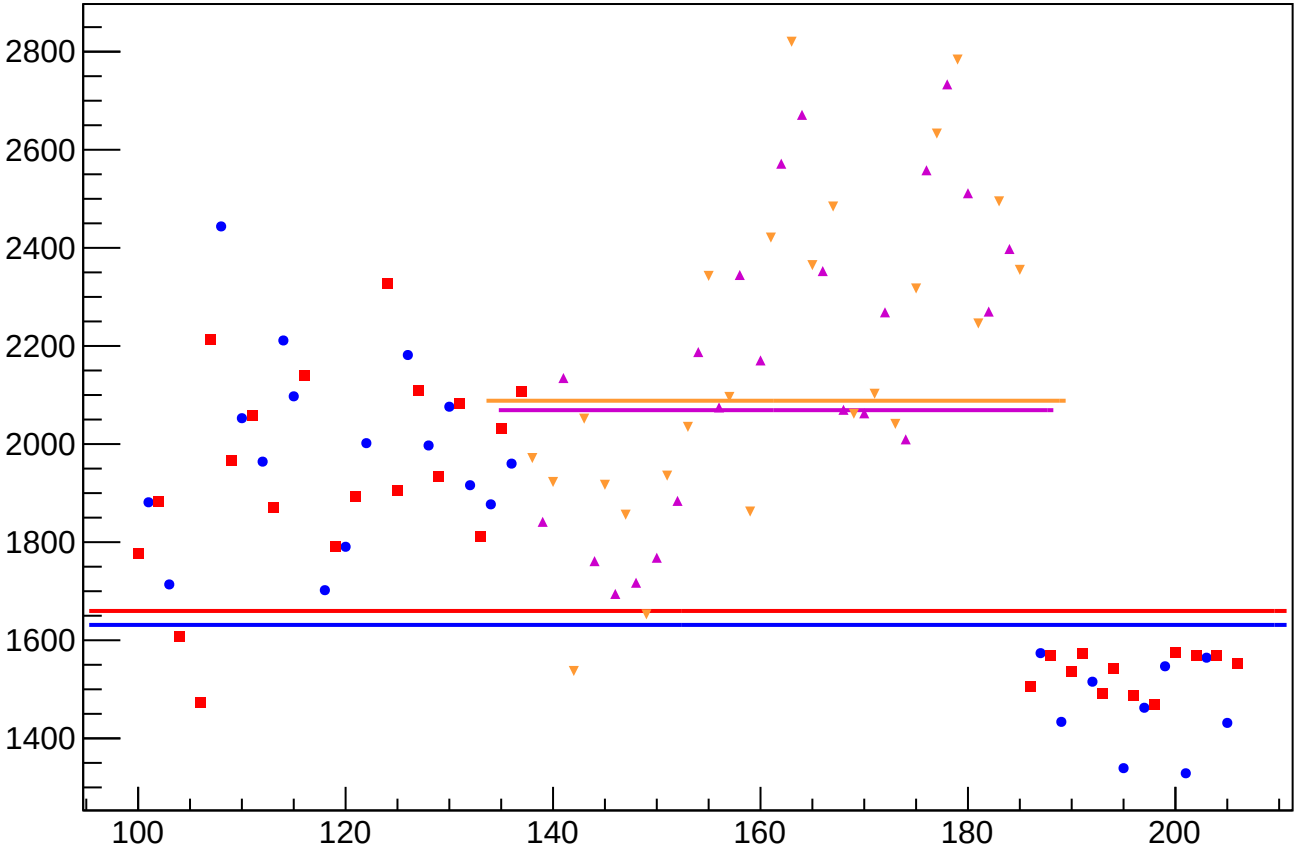
Left In: 28.804+/-0.491 χ^2/NDF:3262.5/22

+ sign 22.283+/-0.325 χ^2/NDF: 4588.4/49

All: 12.052+/-0.227 χ^2/NDF: 16447.1/103

- sign 2.396+/-0.316 χ^2/NDF: 9935.7/53

diff_bpm0i01aX_rms vs Slug



Right In: 1631.309+/-0.313 χ^2/NDF: 711453.6/24

Left Out: 2088.353+/-0.340 χ^2/NDF:787429.8/24

Right Out: 1659.755+/-0.292 χ^2/NDF: 492263.0/30

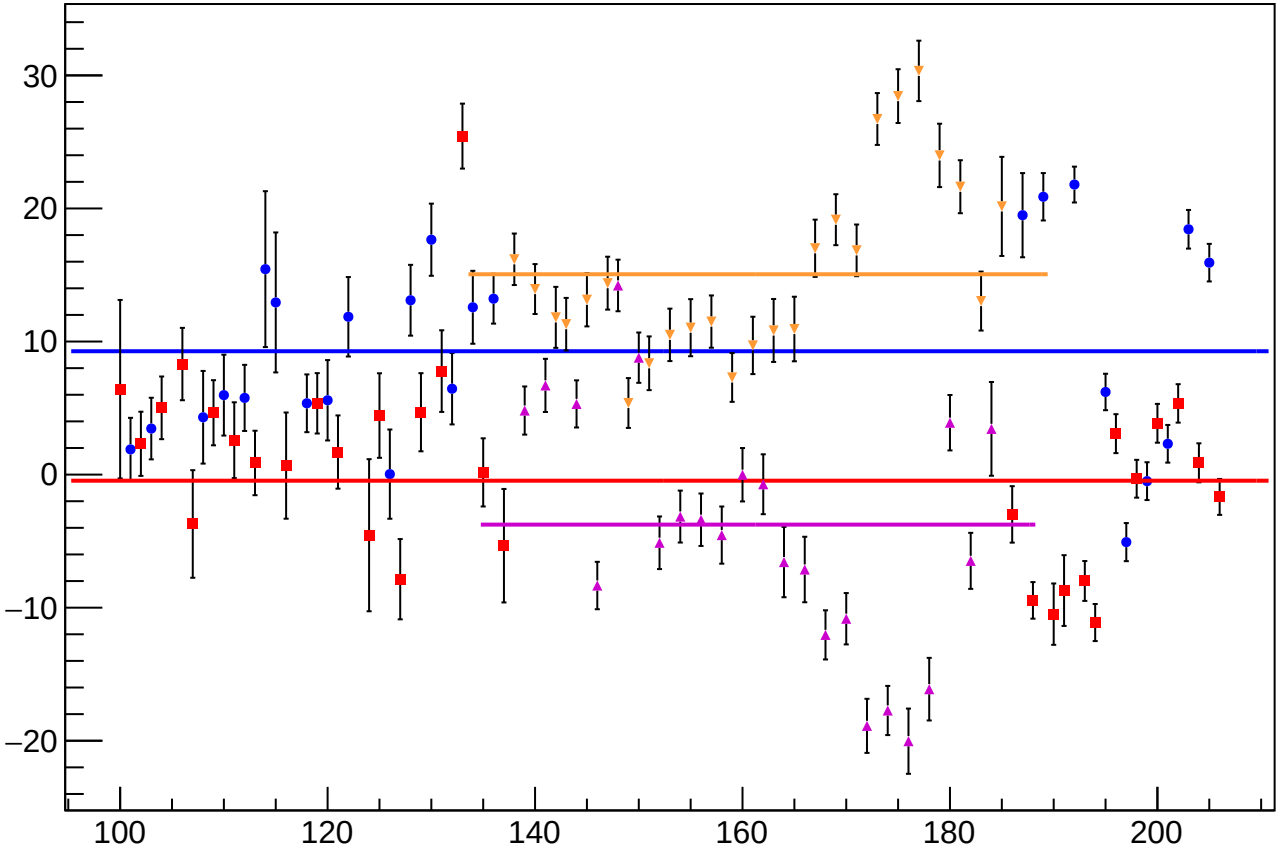
Left In: 2069.116+/-0.347 χ^2/NDF:711501.5/22

+ sign 1840.968+/-0.230 χ^2/NDF: 2479236.5/49

All: 1835.029+/-0.160 χ^2/NDF: 4498775.0/10

- sign 1829.423+/-0.223 χ^2/NDF: 2018242.5/53

diff_bpm0i01aY_mean vs Slug



Right In: 9.271+/-0.405 χ^2/NDF: 432.6/24

Left Out: 15.056+/-0.416 χ^2/NDF:246.2/24

Right Out: -0.458+/-0.372 χ^2/NDF: 354.1/30

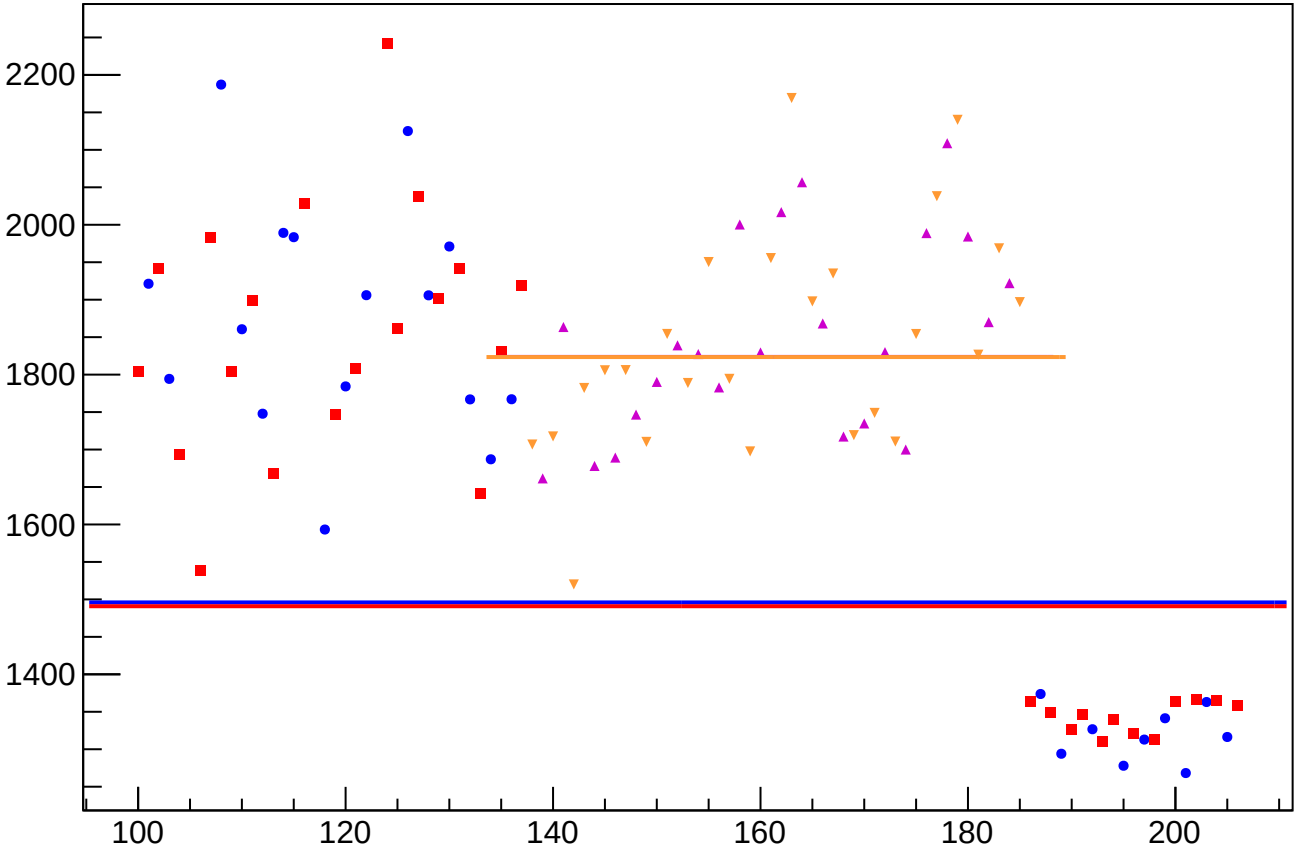
Left In: -3.758+/-0.428 χ^2/NDF:459.1/22

\+ sign 12.088+/-0.290 χ^2/NDF: 778.2/49

All: 4.876+/-0.202 χ^2/NDF: 2822.4/103

\- sign -1.879+/-0.281 χ^2/NDF: 847.0/53

diff_bpm0i01aY_rms vs Slug



Right In: 1495.961+/-0.286 χ^2/NDF: 836524.0/24

Left Out: 1823.452+/-0.294 χ^2/NDF:211274.0/24

Right Out: 1490.877+/-0.263 χ^2/NDF: 784193.5/30

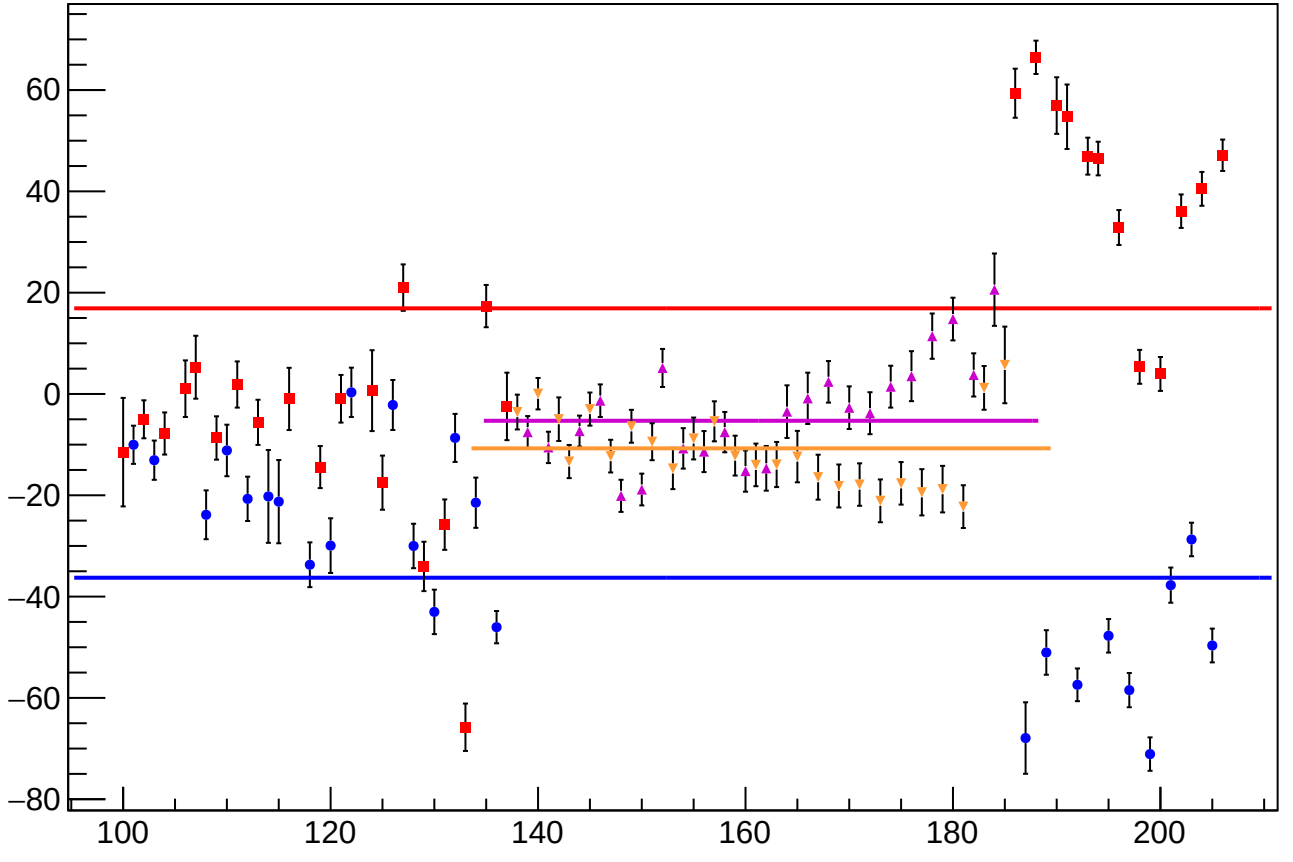
Left In: 1823.627+/-0.303 χ^2/NDF:163768.2/22

+ sign 1655.447+/-0.205 χ^2/NDF: 1684616.1/49

All: 1644.451+/-0.143 χ^2/NDF: 3327070.0/10

- sign 1634.154+/-0.199 χ^2/NDF: 1636889.2/53

diff_bpm0l01X_mean vs Slug



Right In: -36.274+/-0.829 χ^2/NDF: 559.2/24

Left Out: -10.732+/-0.794 χ^2/NDF:73.8/24

Right Out: 16.906+/-0.769 χ^2/NDF: 1555.2/30

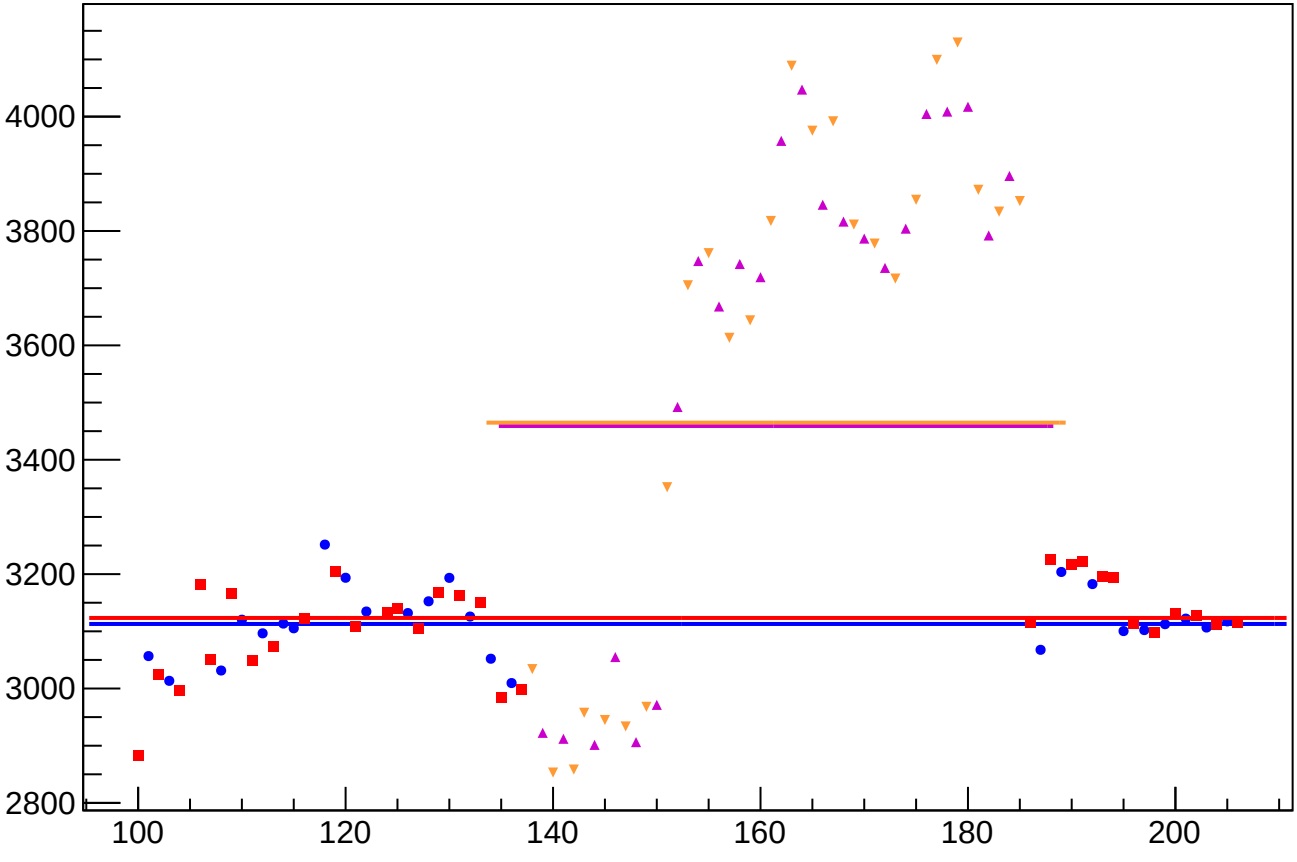
Left In: -5.291+/-0.814 χ^2/NDF:133.6/22

+ sign -22.955+/-0.573 χ^2/NDF: 1128.5/49

All: -7.892+/-0.400 χ^2/NDF: 4557.5/103

- sign 6.440+/-0.559 χ^2/NDF: 2081.5/53

diff_bpm0l01X_rms vs Slug



Right In: 3112.867+/-0.586 χ^2/NDF: 10051.9/24

Left Out: 3464.906+/-0.561 χ^2/NDF:644023.5/24

Right Out: 3123.399+/-0.544 χ^2/NDF: 14693.6/30

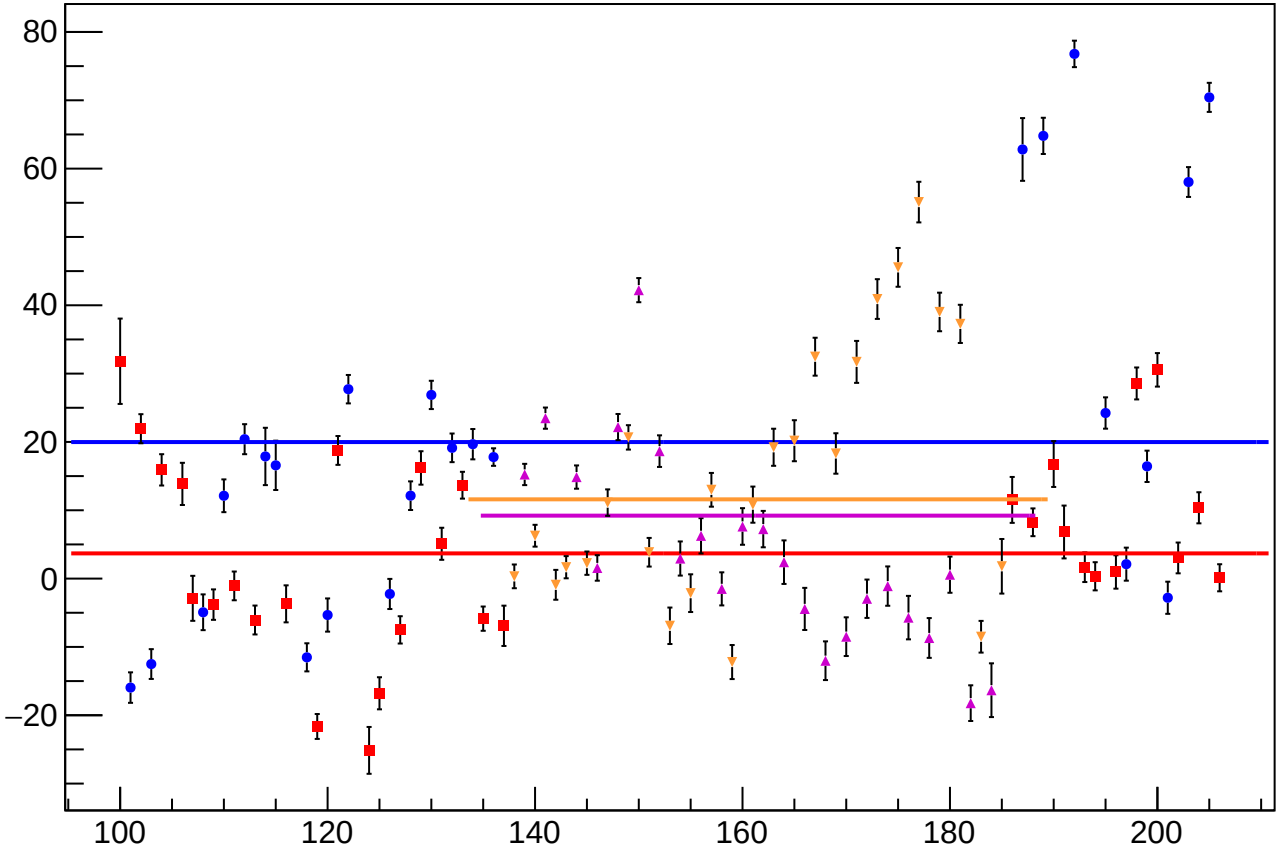
Left In: 3459.050+/-0.576 χ^2/NDF:583309.1/22

+ sign 3296.436+/-0.405 χ^2/NDF: 842311.8/49

All: 3288.863+/-0.283 χ^2/NDF: 1620584.6/10

- sign 3281.656+/-0.395 χ^2/NDF: 777591.4/53

diff_bpm0l01Y_mean vs Slug



Right In: 19.982+/-0.446 χ^2/NDF: 3323.9/24

Left Out: 11.599+/-0.463 χ^2/NDF:1196.9/24

Right Out: 3.688+/-0.422 χ^2/NDF: 975.0/30

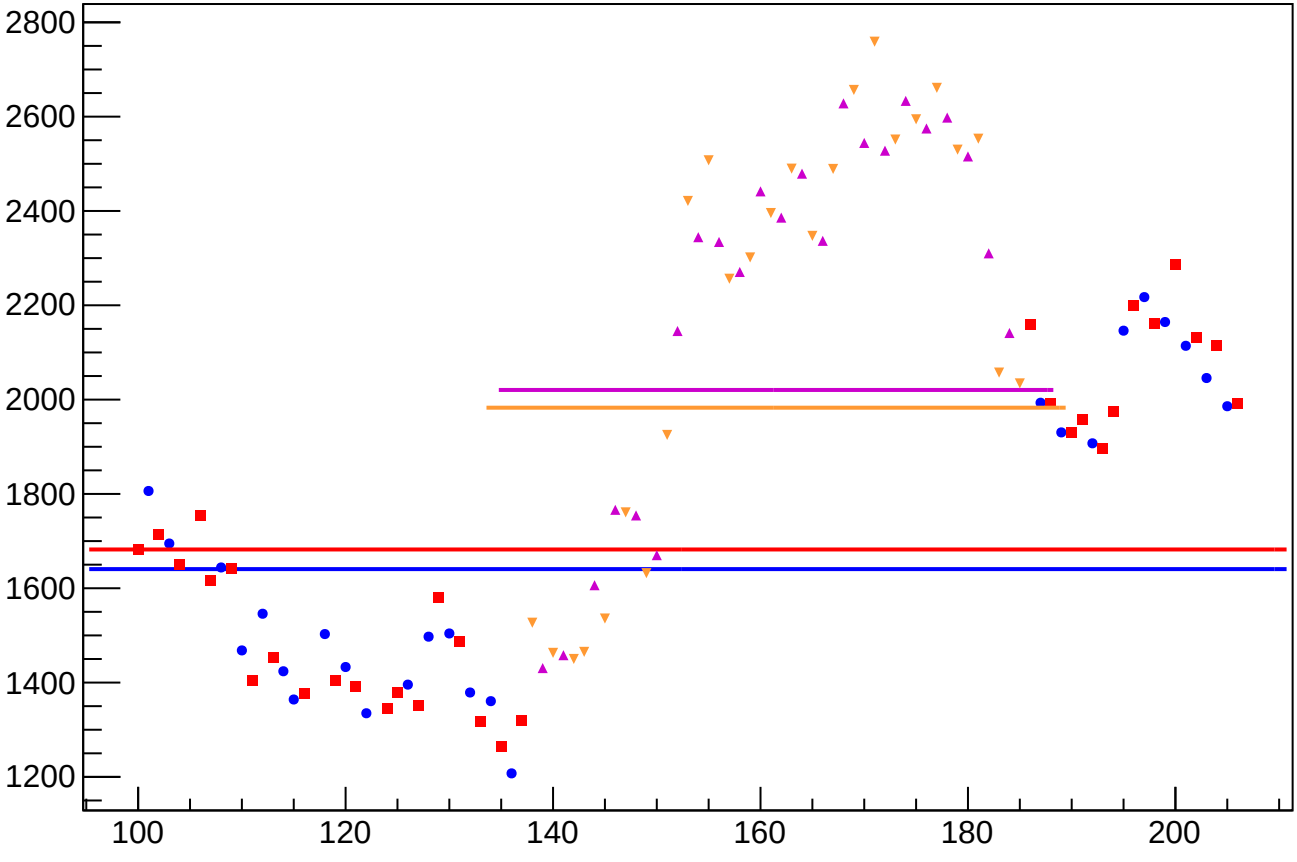
Left In: 9.213+/-0.484 χ^2/NDF:940.6/22

+ sign 15.953+/-0.321 χ^2/NDF: 4690.8/49

All: 10.969+/-0.226 χ^2/NDF: 7157.2/103

- sign 6.078+/-0.318 χ^2/NDF: 1989.6/53

diff_bpm0l01Y_rms vs Slug



Right In: 1640.603+/-0.315 χ^2/NDF: 1035125.8/24

Left Out: 1982.871+/-0.328 χ^2/NDF:1977669.4/24

Right Out: 1682.234+/-0.299 χ^2/NDF: 1170579.5/30

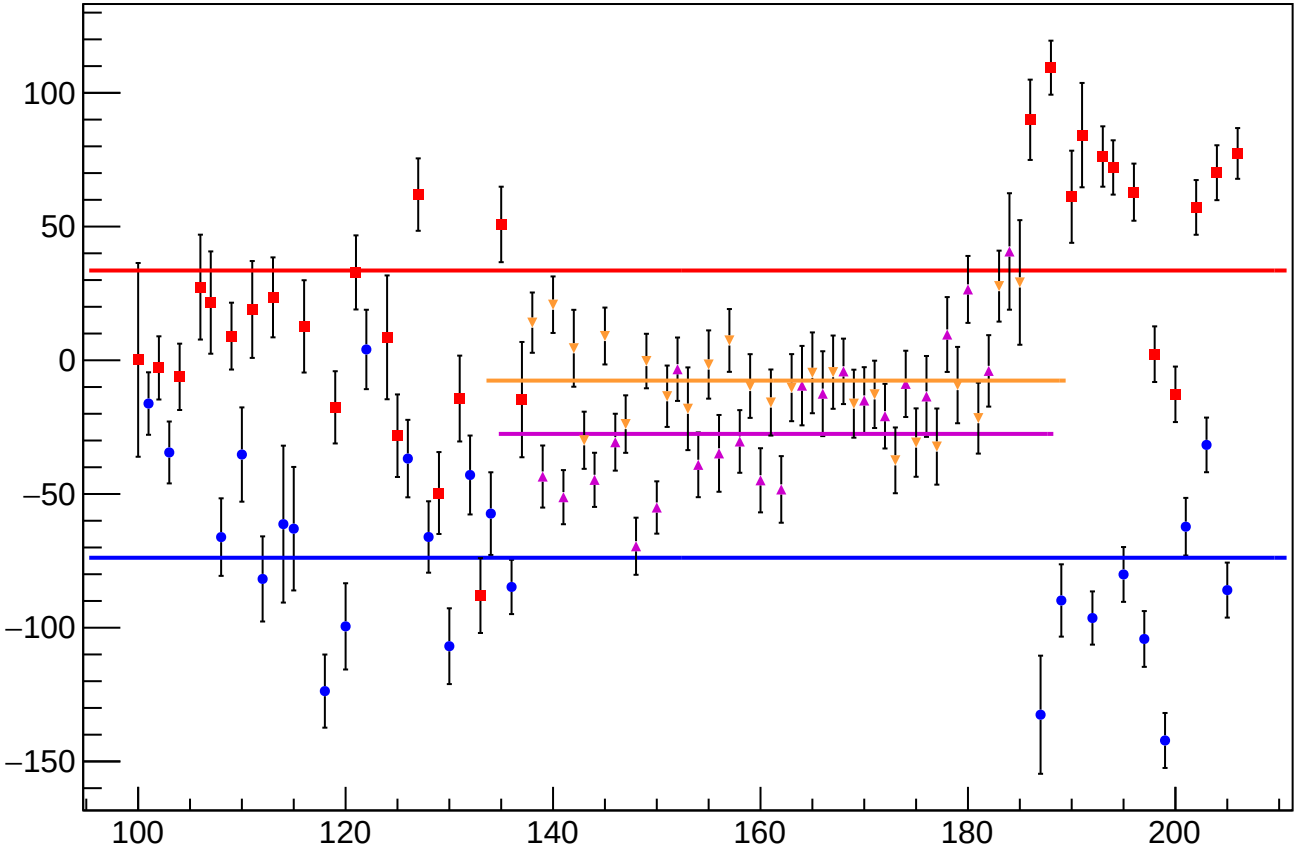
Left In: 2020.468+/-0.342 χ^2/NDF:1614691.2/22

+ sign 1805.106+/-0.227 χ^2/NDF: 3579426.6/49

All: 1816.946+/-0.160 χ^2/NDF: 6924685.1/10

- sign 1828.562+/-0.225 χ^2/NDF: 3339877.1/53

diff_bpm0l02X_mean vs Slug



Right In: -73.841+/-2.575 χ^2/NDF: 190.3/24

Left Out: -7.594+/-2.495 χ^2/NDF:47.9/24

Right Out: 33.570+/-2.391 χ^2/NDF: 368.0/30

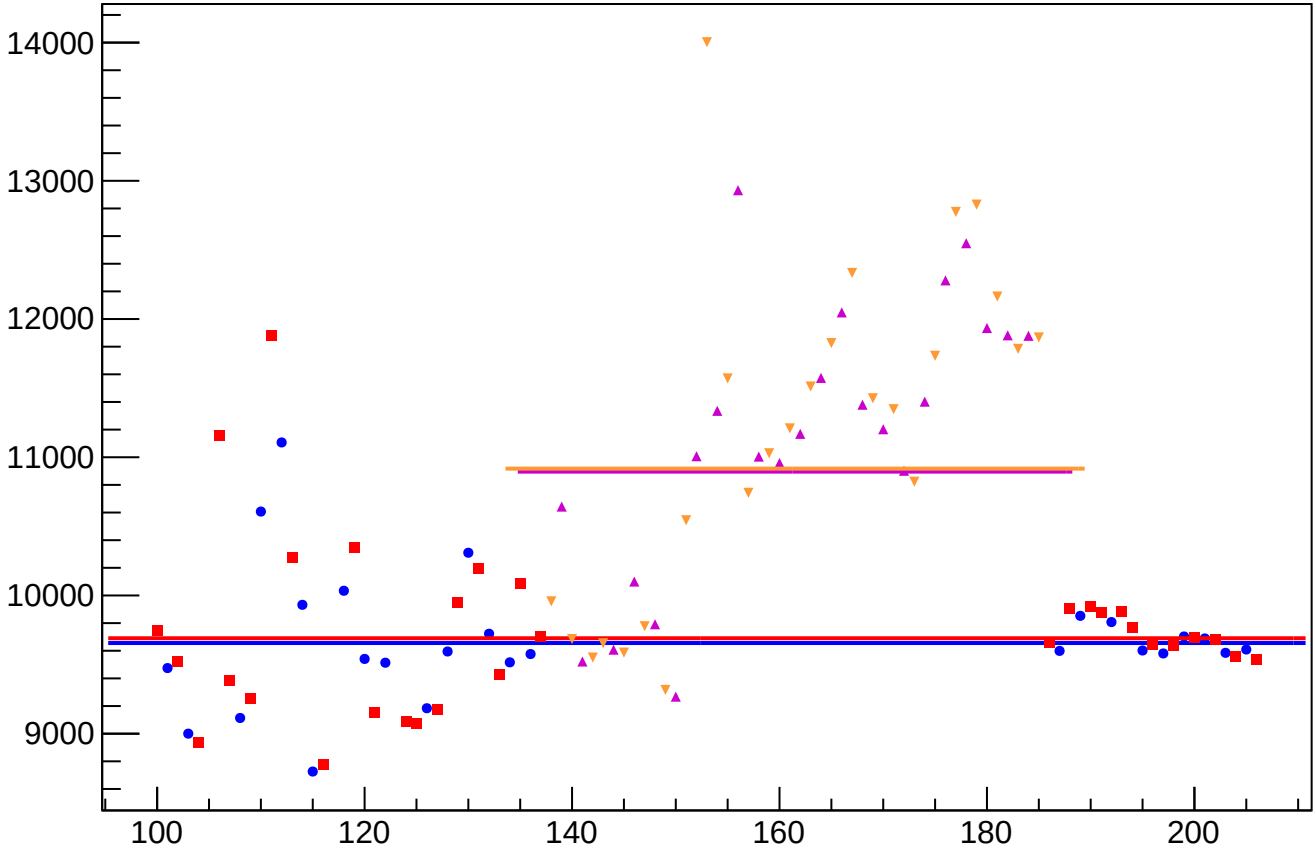
Left In: -27.528+/-2.556 χ^2/NDF:93.0/22

+ sign -39.667+/-1.792 χ^2/NDF: 579.5/49

All: -16.727+/-1.251 χ^2/NDF: 1664.6/103

- sign 5.059+/-1.746 χ^2/NDF: 765.6/53

diff_bpm0l02X_rms vs Slug



Right In: 9655.927+/-1.821 χ^2/NDF: 45381.4/24

Left Out: 10917.711+/-1.764 χ^2/NDF:425841.1/24

Right Out: 9690.390+/-1.691 χ^2/NDF: 83036.2/30

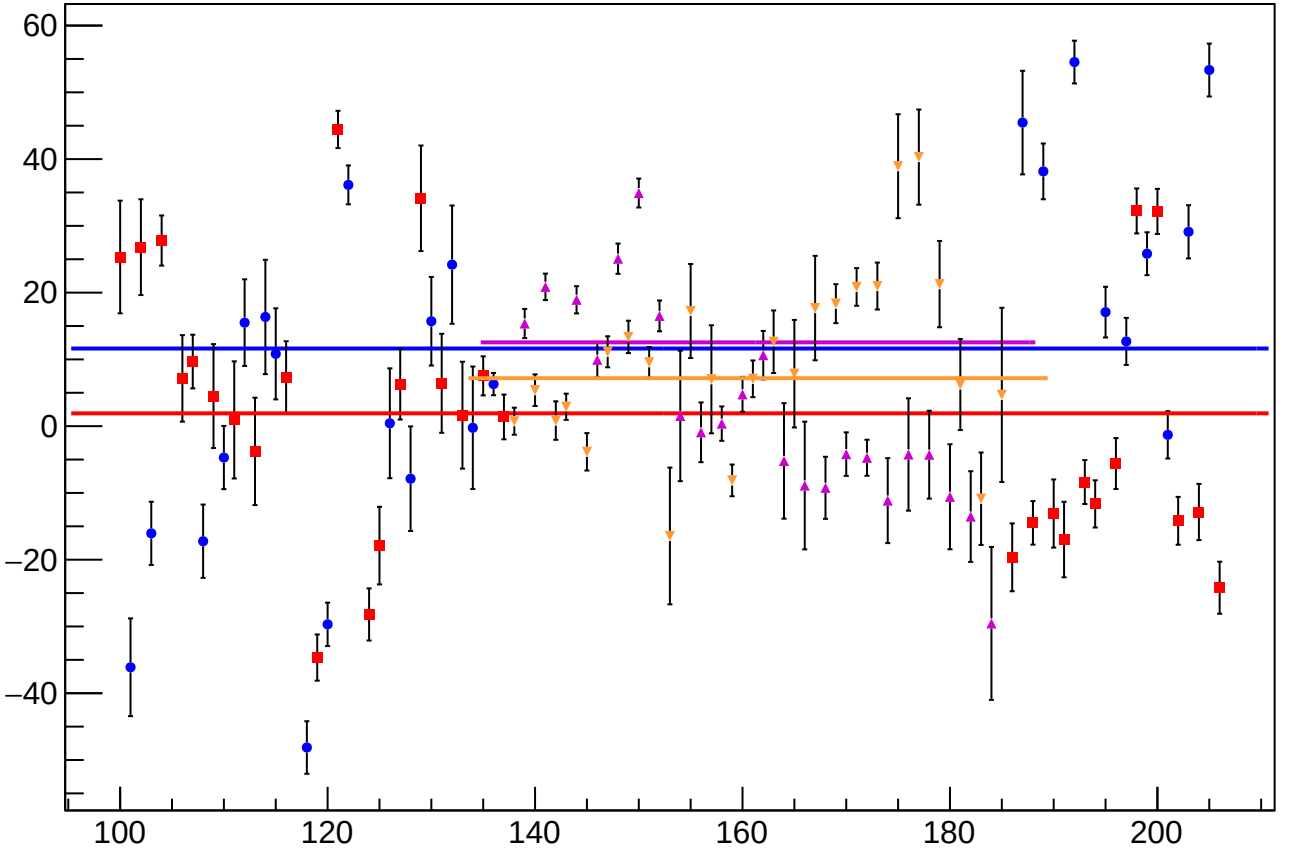
Left In: 10895.992+/-1.808 χ^2/NDF:298059.2/22

\+ sign 10306.824+/-1.267 χ^2/NDF: 718862.0/49

All: 10279.201+/-0.884 χ^2/NDF: 1338118.4/

\- sign 10252.968+/-1.235 χ^2/NDF: 618329.9/53

diff_bpm0l02Y_mean vs Slug



Right In: 11.629+/-0.806 χ^2/NDF: 1005.7/24

Left Out: 7.185+/-0.654 χ^2/NDF:201.7/24

Right Out: 1.921+/-0.770 χ^2/NDF: 840.0/30

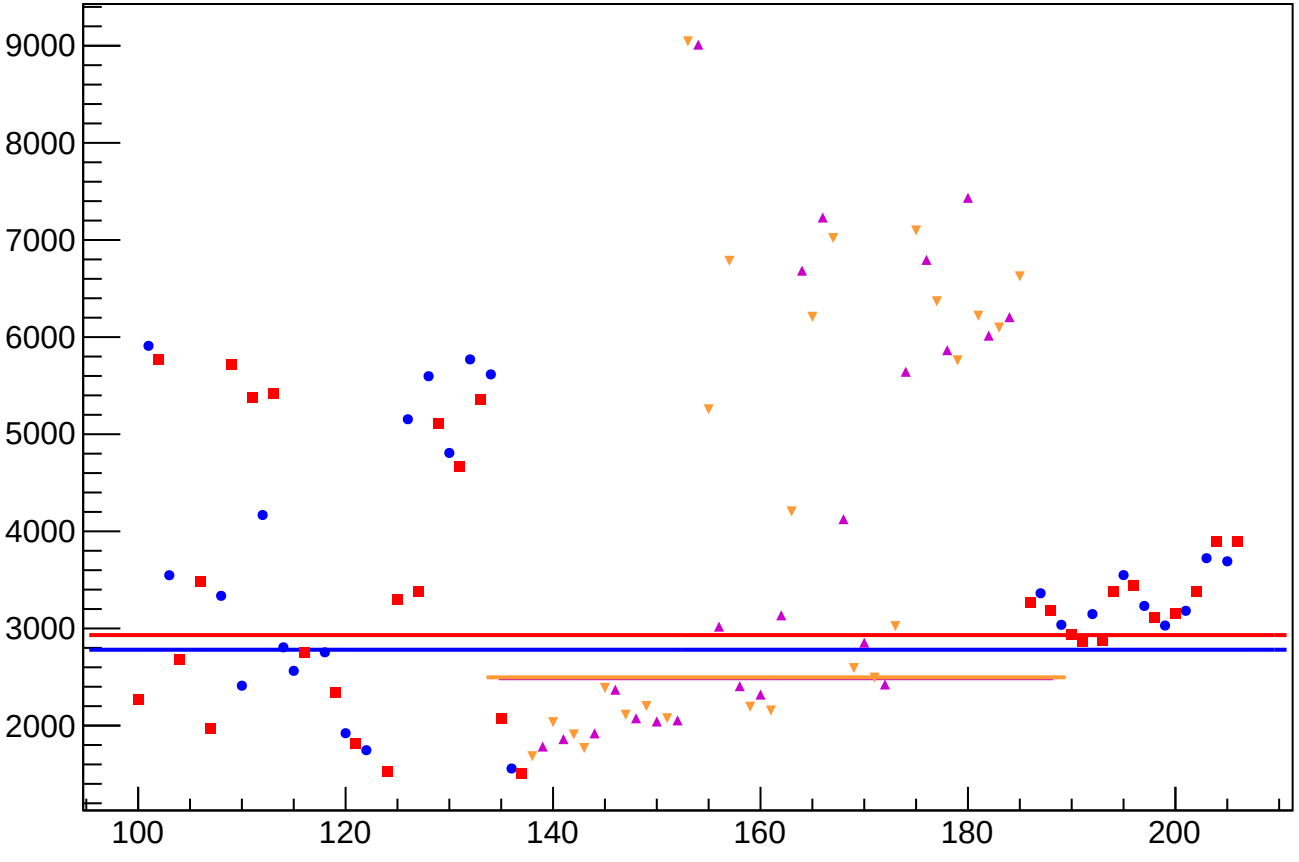
Left In: 12.553+/-0.661 χ^2/NDF:372.1/22

\+ sign 8.948+/-0.508 χ^2/NDF: 1225.8/49

All: 8.491+/-0.357 χ^2/NDF: 2549.3/103

\- sign 8.045+/-0.501 χ^2/NDF: 1321.9/53

diff_bpm0l02Y_rms vs Slug



Right In: 2781.001+/-0.570 χ^2/NDF: 3457822.9/24

Left Out: 2496.801+/-0.462 χ^2/NDF:7205827.8/24

Right Out: 2931.864+/-0.544 χ^2/NDF: 3072418.8/30

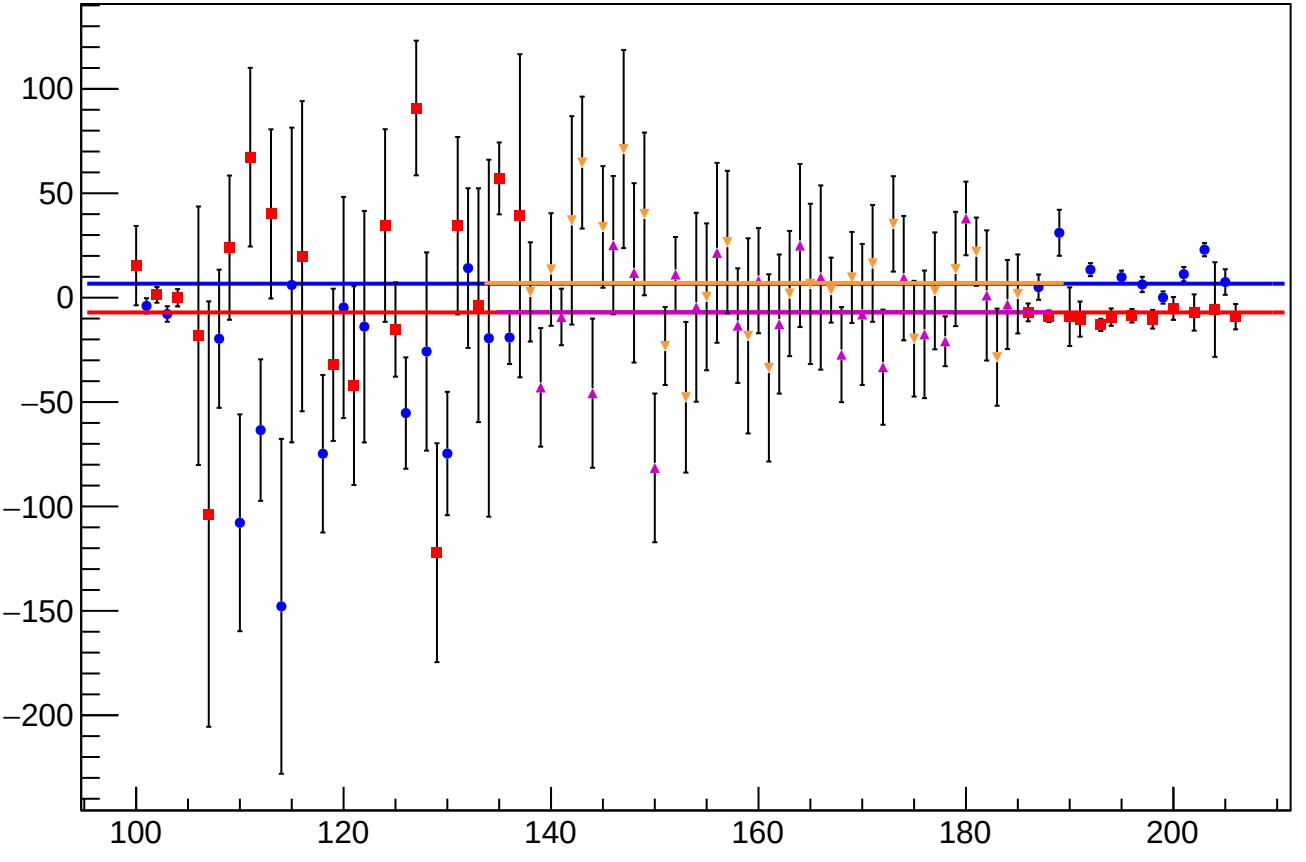
Left In: 2487.721+/-0.467 χ^2/NDF:6103466.5/22

+ sign 2609.549+/-0.359 χ^2/NDF: 10813656.0/49

All: 2643.209+/-0.252 χ^2/NDF: 20390296.3/1

- sign 2676.031+/-0.354 χ^2/NDF: 9559275.5/53

diff_bpm0l03X_mean vs Slug



Right In: 6.698+/-1.119 χ^2/NDF: 103.6/24

Left Out: 7.059+/-5.227 χ^2/NDF:19.6/24

Right Out: -7.071+/-1.161 χ^2/NDF: 52.8/30

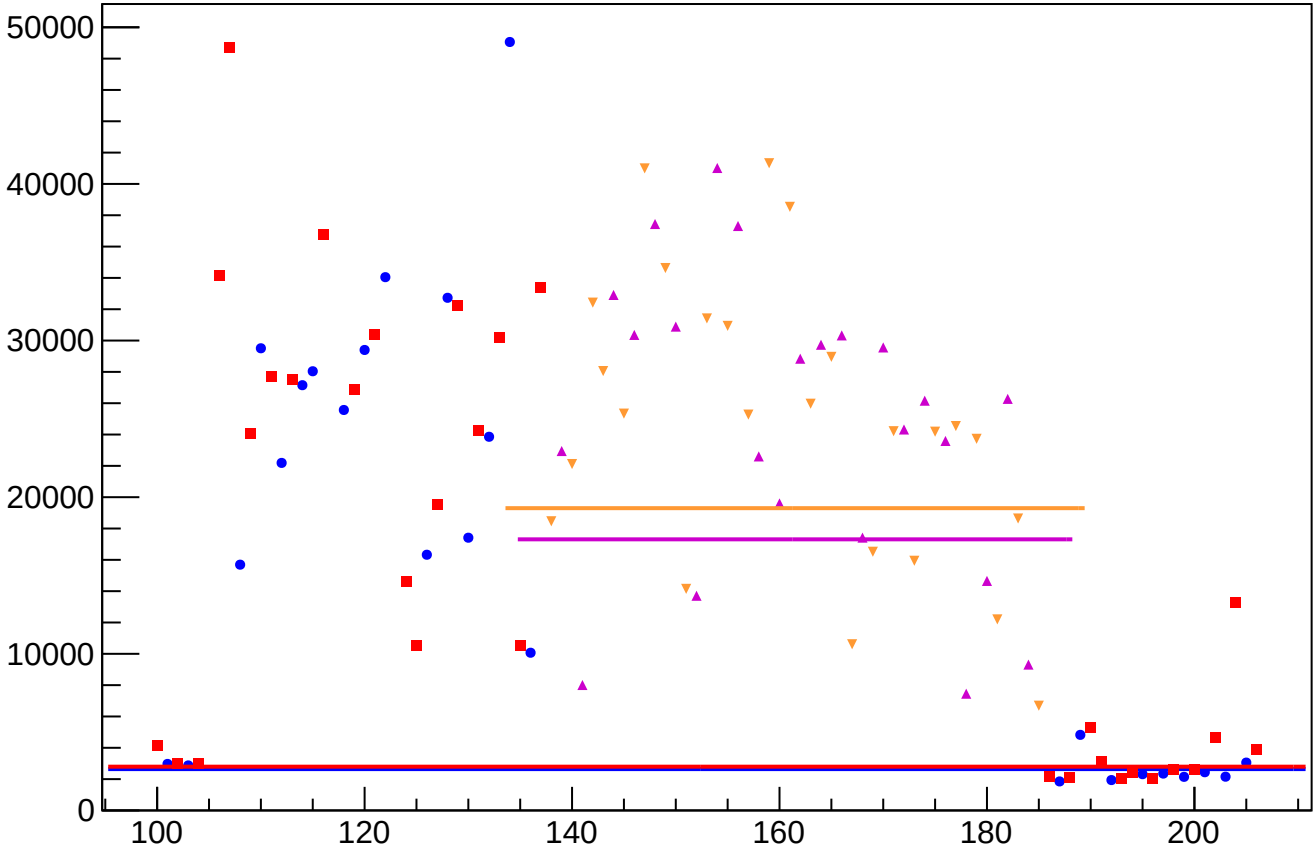
Left In: -6.944+/-5.090 χ^2/NDF:21.1/22

+ sign 6.714+/-1.094 χ^2/NDF: 123.2/49

All: 0.062+/-0.787 χ^2/NDF: 273.7/103

- sign -7.064+/-1.132 χ^2/NDF: 73.9/53

diff_bpm0l03X_rms vs Slug



Right In: 2640.807+/-0.791 χ^2/NDF: 7928594.9/24

Left Out: 19299.351+/-3.696 χ^2/NDF:5037014.9/24

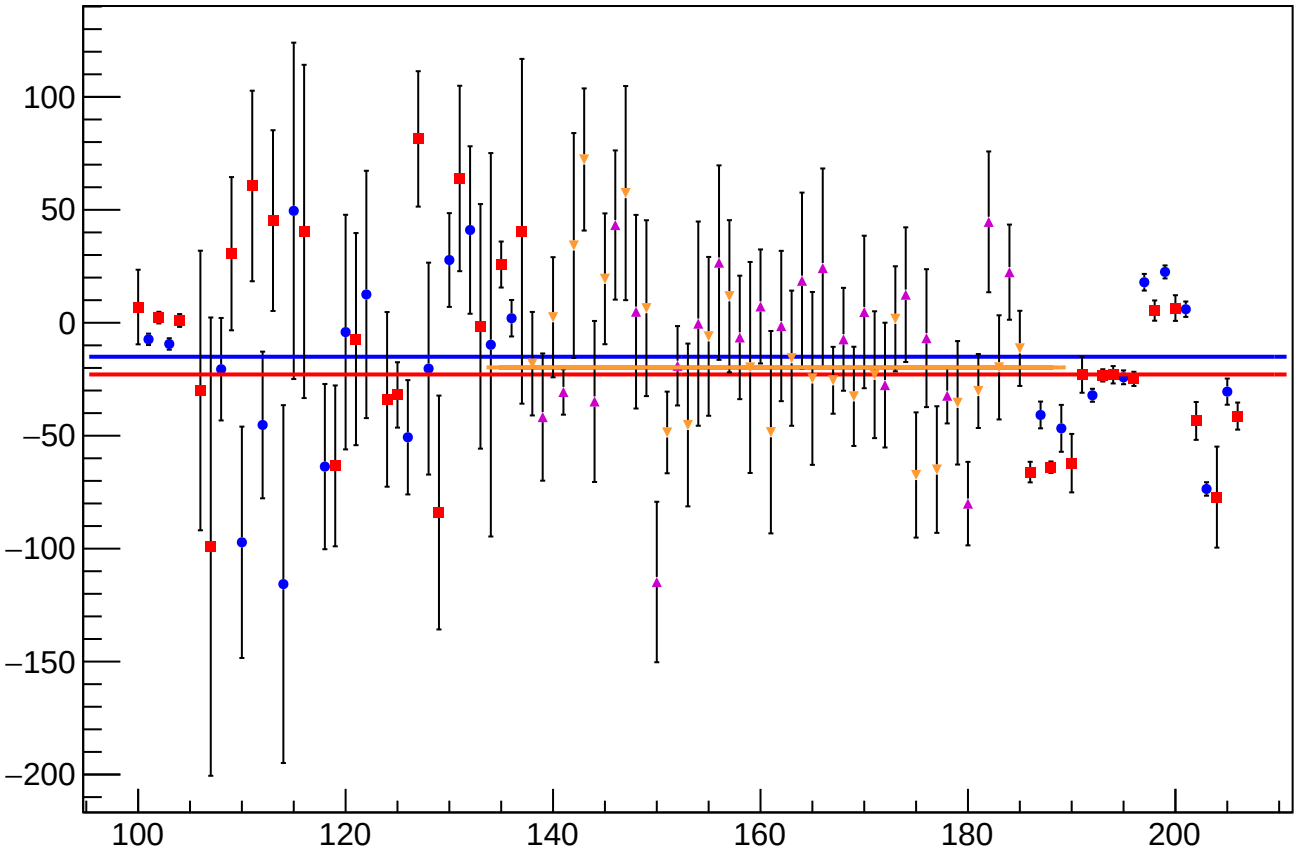
Right Out: 2795.082+/-0.821 χ^2/NDF: 9402062.9/30

Left In: 17309.081+/-3.600 χ^2/NDF:6719993.9/22

+ sign 3370.099+/-0.773 χ^2/NDF: 32386778.9/49

All: 3439.051+/-0.556 χ^2/NDF: 63979855.3/1

- sign 3512.918+/-0.801 χ^2/NDF: 31576613.2/53



Right In: -15.042+/-0.988 χ^2/NDF: 786.6/24

Left Out: -19.769+/-5.117 χ^2/NDF:27.8/24

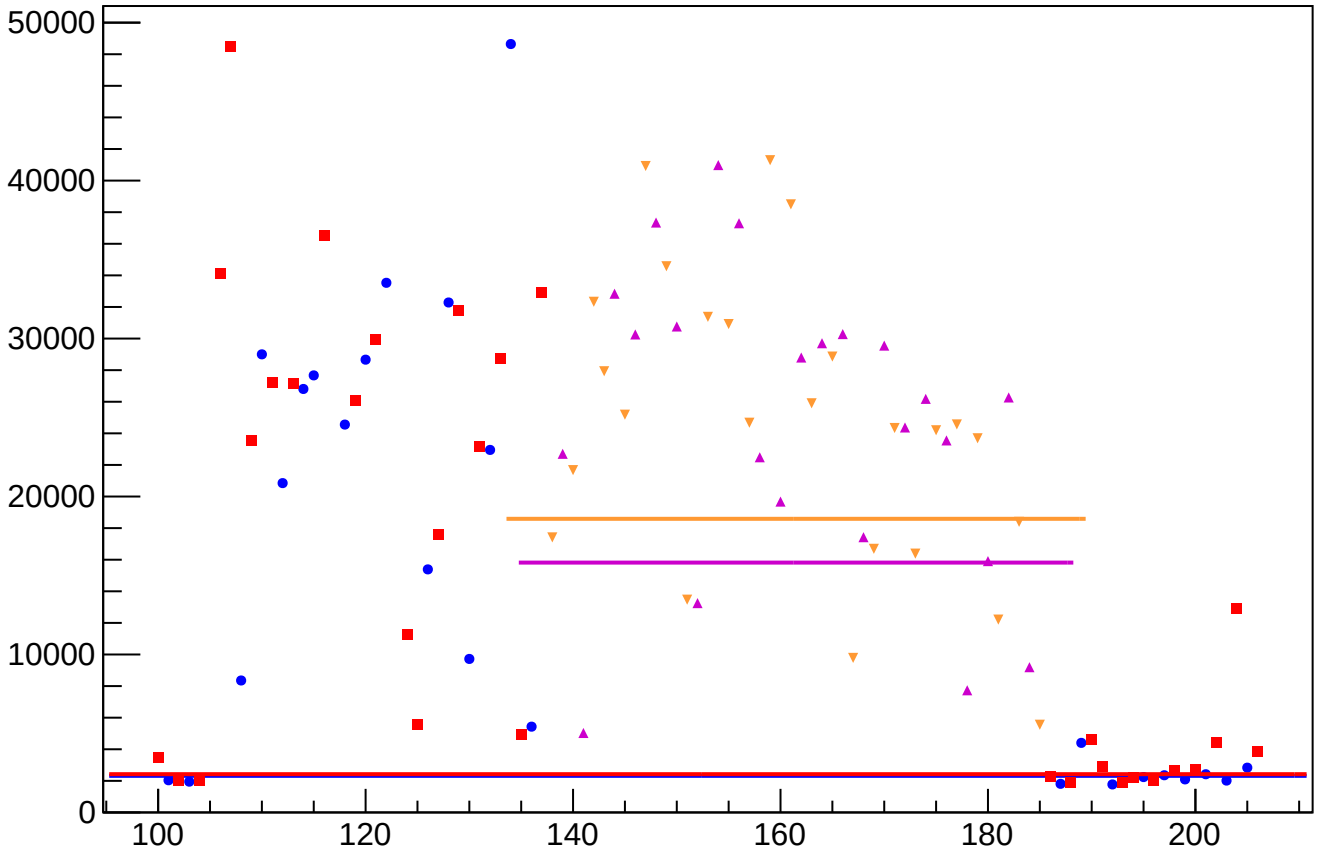
Right Out: -22.885+/-1.022 χ^2/NDF: 675.6/30

Left In: -19.822+/-4.846 χ^2/NDF:40.3/22

+ sign -15.212+/-0.970 χ^2/NDF: 815.2/49

All: -18.870+/-0.696 χ^2/NDF: 1560.8/103

- sign -22.755+/-1.000 χ^2/NDF: 716.3/53



Right In: 2319.057+/-0.699 χ^2/NDF: 7063529.0/24

Left Out: 18589.195+/-3.618 χ^2/NDF:5698567.3/24

Right Out: 2423.345+/-0.723 χ^2/NDF: 9010577.4/30

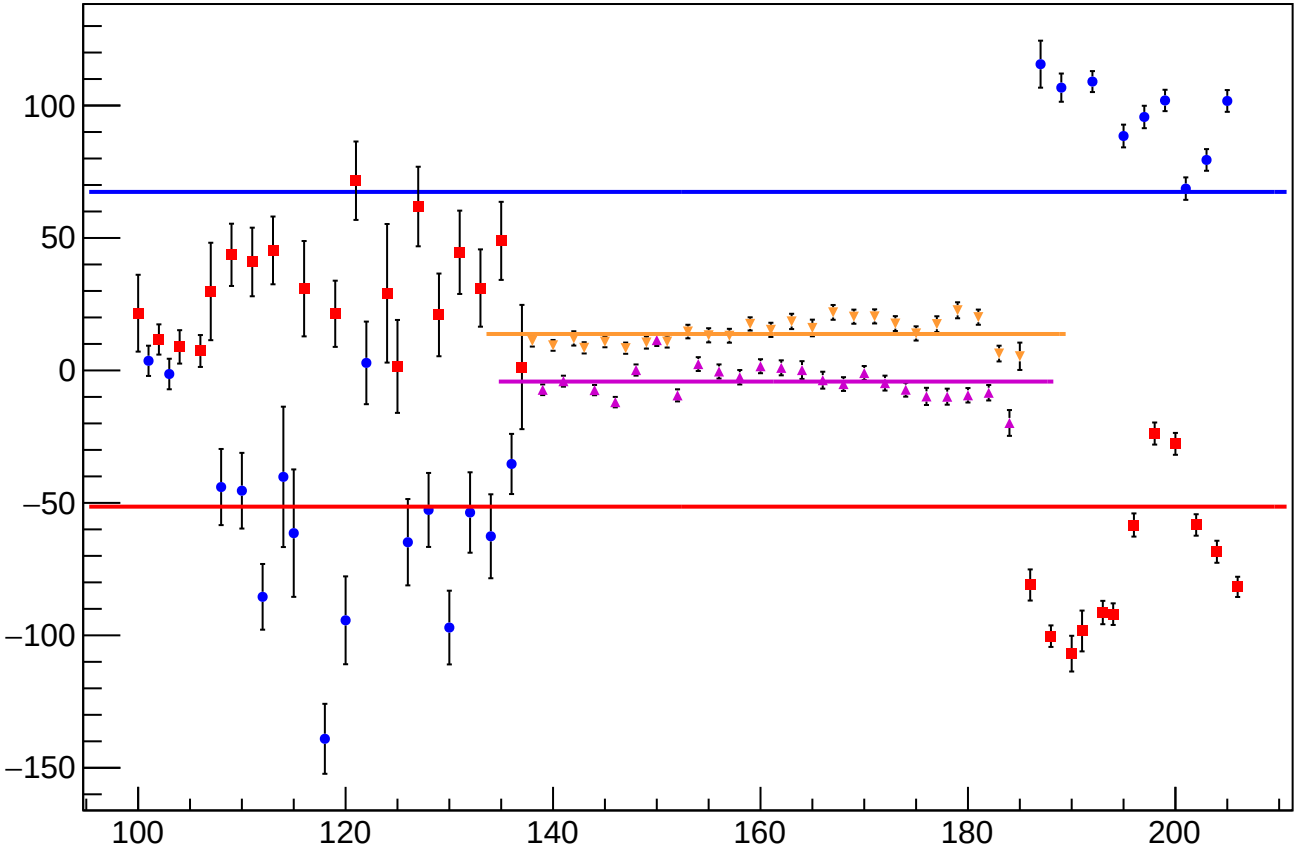
Left In: 15817.655+/-3.426 χ^2/NDF:8406830.8/22

+ sign 2903.817+/-0.686 χ^2/NDF: 32257533.0/49

All: 2947.366+/-0.492 χ^2/NDF: 64314569.1/1

- sign 2993.633+/-0.707 χ^2/NDF: 32048722.5/53

diff_bpm0l04X_mean vs Slug



Right In: 67.389+/-1.311 χ^2/NDF: 1850.7/24

Left Out: 13.761+/-0.514 χ^2/NDF:77.2/24

Right Out: -51.419+/-1.156 χ^2/NDF: 1486.8/30

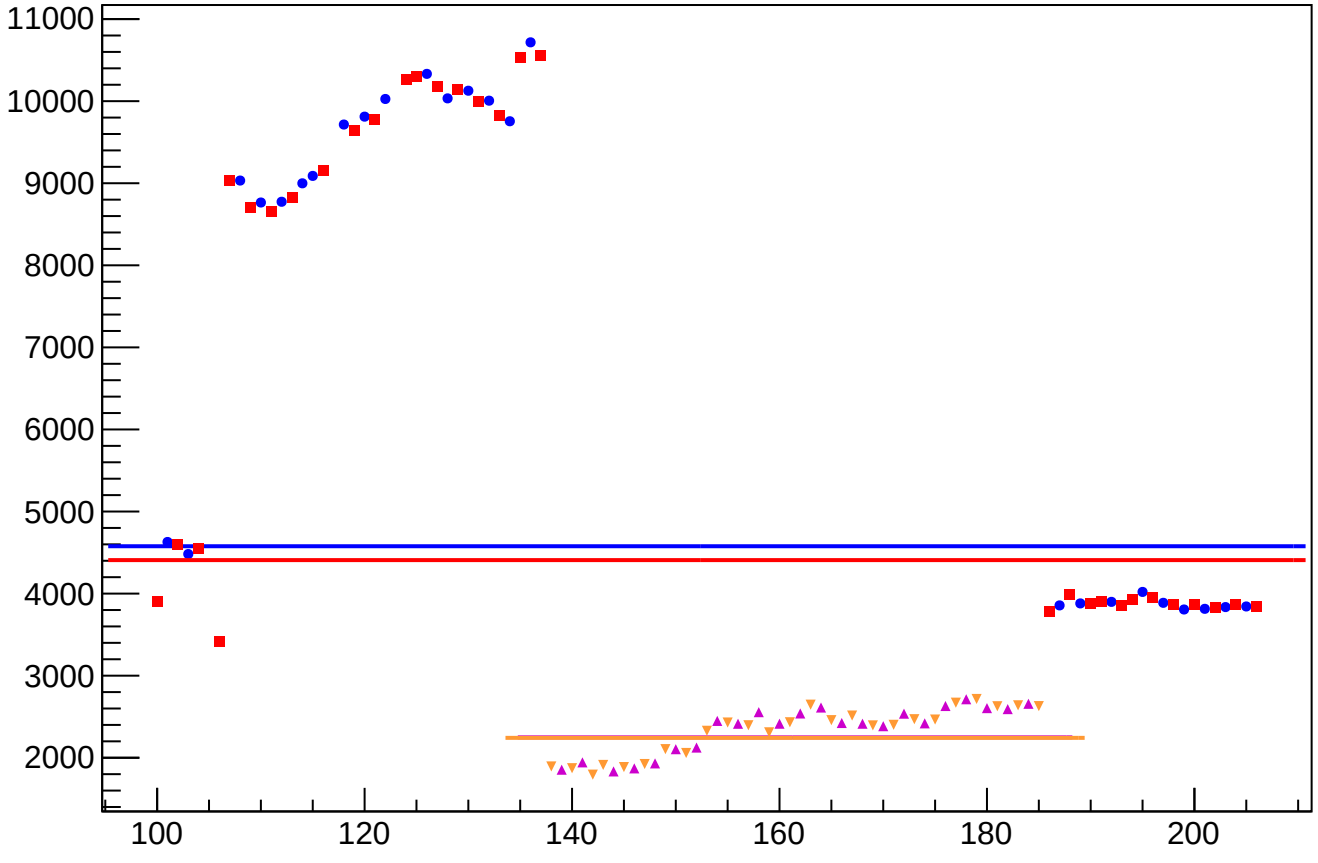
Left In: -4.202+/-0.530 χ^2/NDF:123.9/22

+ sign 20.906+/-0.479 χ^2/NDF: 3378.3/49

All: 4.363+/-0.340 χ^2/NDF: 8774.6/103

- sign -12.408+/-0.482 χ^2/NDF: 2989.7/53

diff_bpm0l04X_rms vs Slug



Right In: 4577.087+/-0.927 χ^2/NDF: 3853406.4/24

Left Out: 2242.334+/-0.363 χ^2/NDF:657865.5/24

Right Out: 4408.090+/-0.817 χ^2/NDF: 3896774.3/30

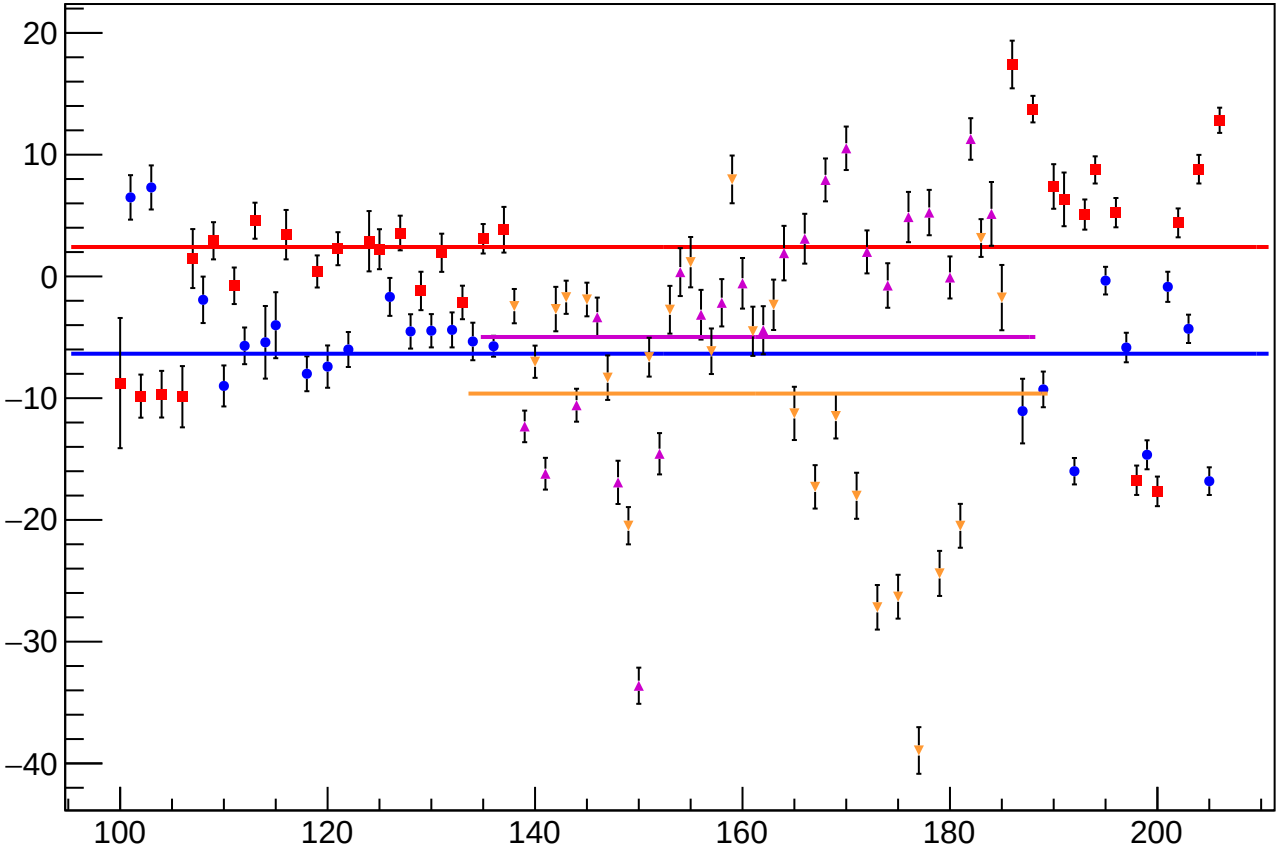
Left In: 2248.582+/-0.375 χ^2/NDF:642255.3/22

+ sign 2553.407+/-0.338 χ^2/NDF: 10009192.8/49

All: 2588.401+/-0.240 χ^2/NDF: 20338700.4/1

- sign 2623.876+/-0.341 χ^2/NDF: 10307970.3/53

diff_bpm0l04Y_mean vs Slug



Right In: -6.349+/-0.280 χ^2/NDF: 402.7/24

Left Out: -9.622+/-0.349 χ^2/NDF:934.3/24

Right Out: 2.417+/-0.263 χ^2/NDF: 1020.5/30

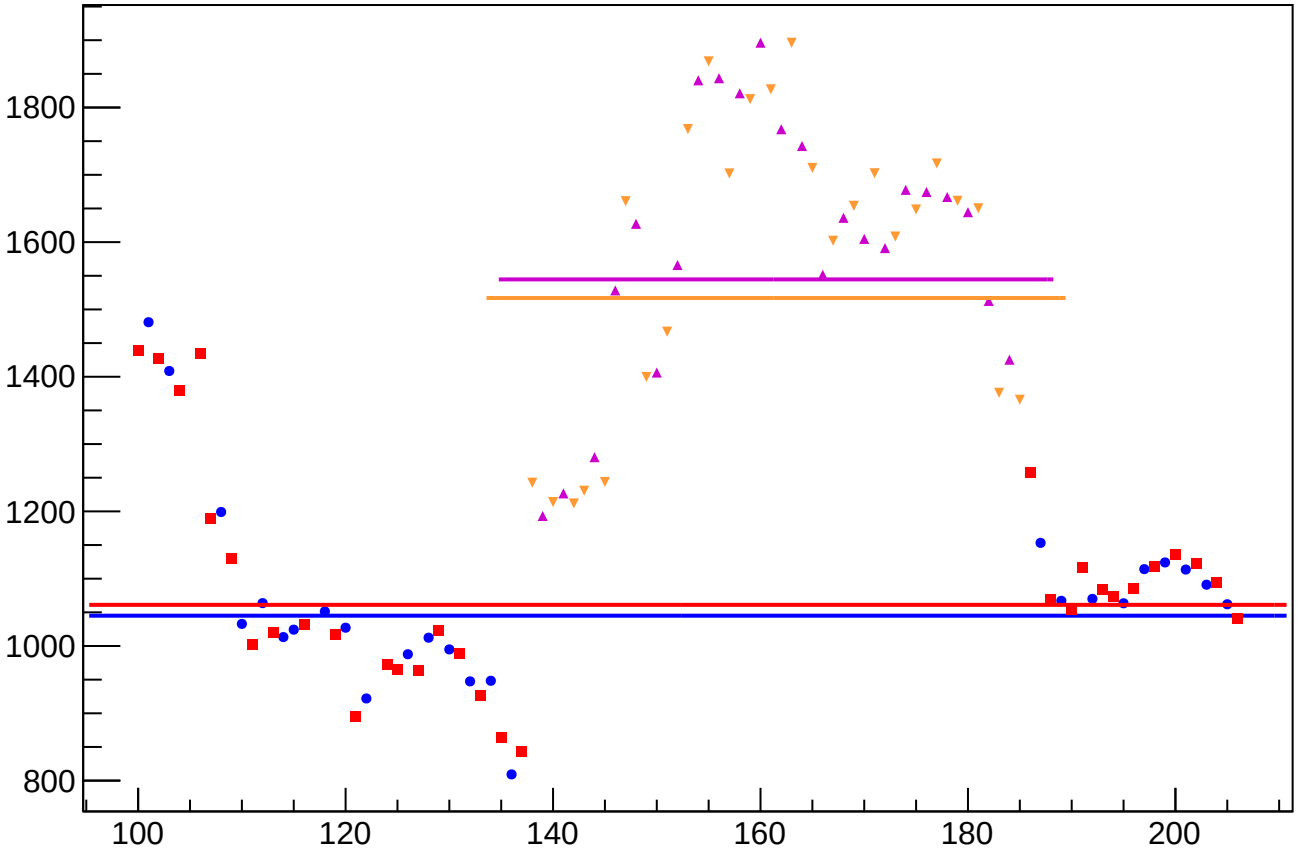
Left In: -4.974+/-0.365 χ^2/NDF:929.8/22

+ sign -7.632+/-0.219 χ^2/NDF: 1390.4/49

All: -3.780+/-0.153 χ^2/NDF: 4216.9/103

- sign -0.113+/-0.213 χ^2/NDF: 2220.5/53

diff_bpm0l04Y_rms vs Slug



Right In: 1045.015+/-0.198 χ^2/NDF: 428133.9/24

Left Out: 1517.008+/-0.247 χ^2/NDF:832983.9/24

Right Out: 1061.119+/-0.186 χ^2/NDF: 406886.9/30

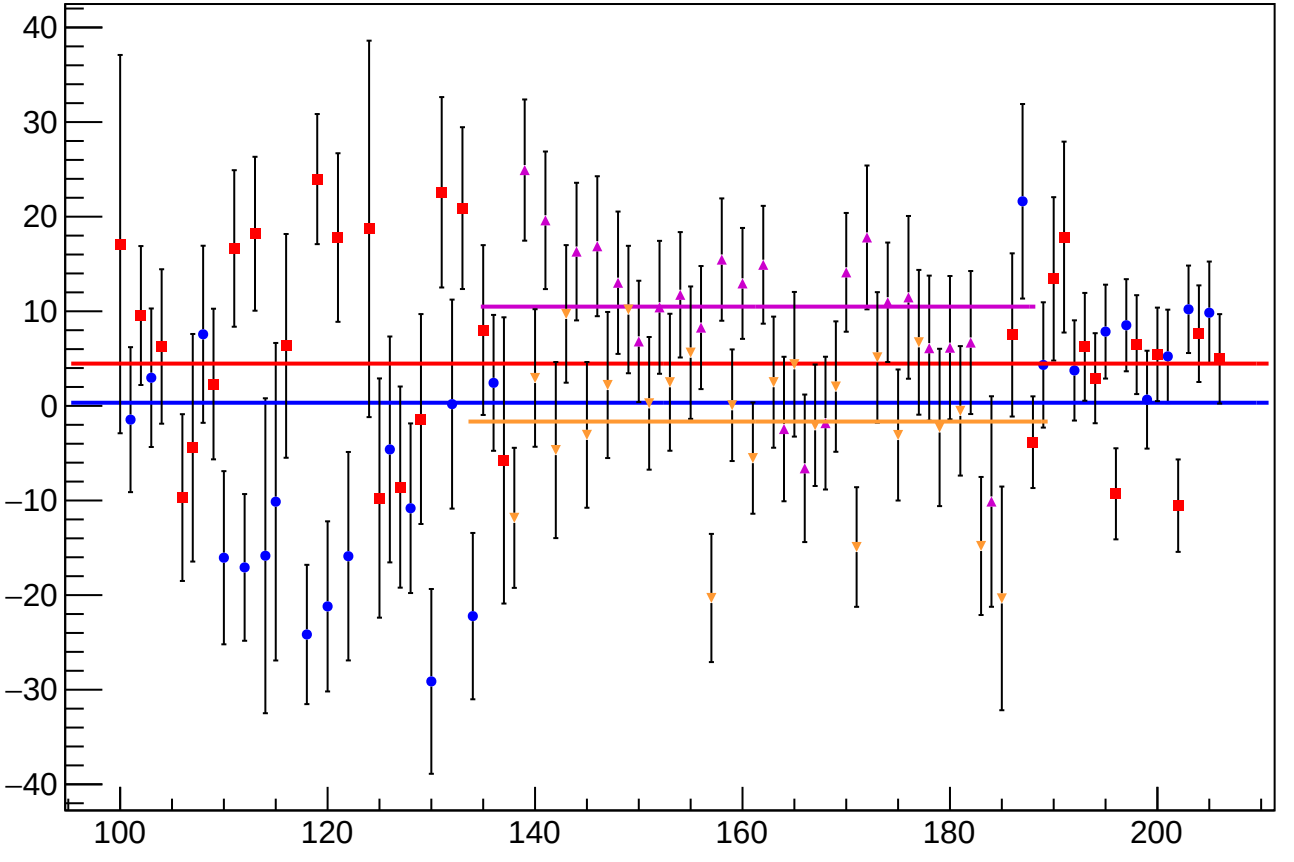
Left In: 1544.620+/-0.258 χ^2/NDF:638659.4/22

+ sign 1230.126+/-0.155 χ^2/NDF: 3483204.3/49

All: 1228.323+/-0.108 χ^2/NDF: 6842179.3/10

- sign 1226.606+/-0.151 χ^2/NDF: 3358709.4/53

diff_bpm0l05X_mean vs Slug



Right In: 0.334+/-1.411 χ^2/NDF: 65.6/24

Left Out: -1.655+/-1.426 χ^2/NDF:31.5/24

Right Out: 4.470+/-1.282 χ^2/NDF: 54.9/30

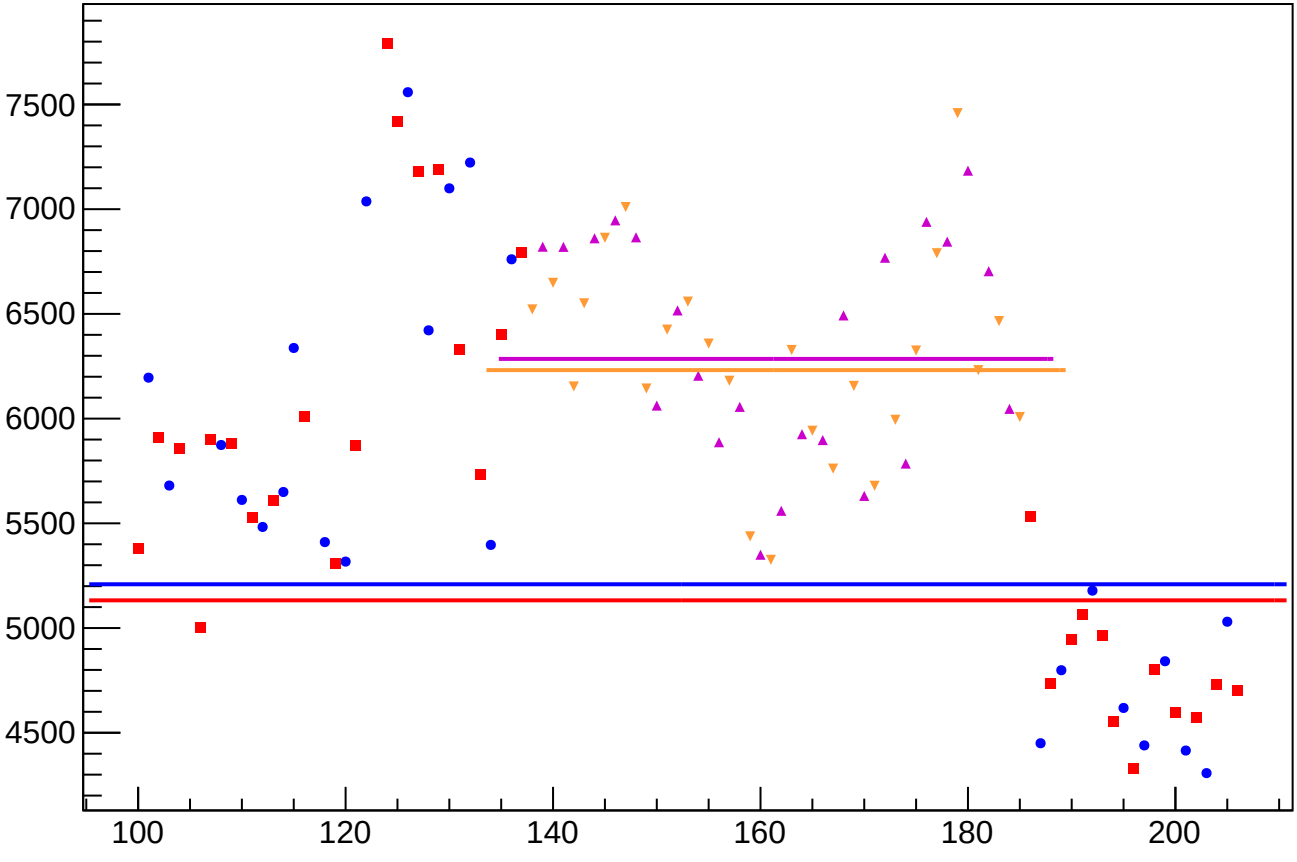
Left In: 10.492+/-1.480 χ^2/NDF:24.9/22

\+ sign -0.650+/-1.003 χ^2/NDF: 98.1/49

All: 3.334+/-0.697 χ^2/NDF: 217.9/103

\- sign 7.053+/-0.969 χ^2/NDF: 89.2/53

diff_bpm0l05X_rms vs Slug



Right In: 5208.986+/-0.998 χ^2/NDF: 711983.7/24

Left Out: 6231.572+/-1.009 χ^2/NDF:226959.2/24

Right Out: 5132.241+/-0.907 χ^2/NDF: 641546.1/30

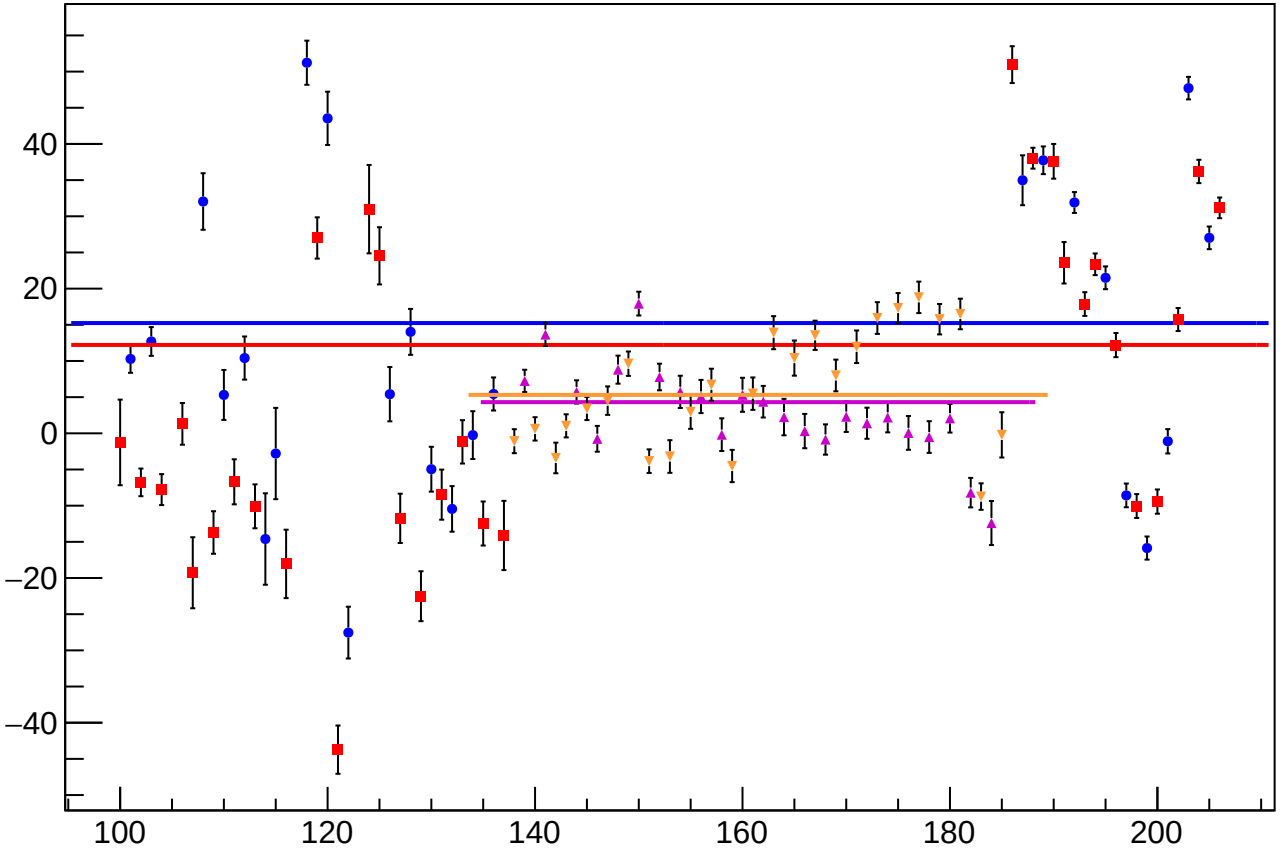
Left In: 6285.058+/-1.046 χ^2/NDF:265370.2/22

+ sign 5714.698+/-0.709 χ^2/NDF: 1458576.9/49

All: 5669.125+/-0.493 χ^2/NDF: 3066840.5/10

- sign 5626.592+/-0.685 χ^2/NDF: 1600281.4/53

diff_bpm0l05Y_mean vs Slug



Right In: 15.242+/-0.450 χ^2/NDF: 2062.1/24

Left Out: 5.313+/-0.400 χ^2/NDF:378.1/24

Right Out: 12.217+/-0.409 χ^2/NDF: 2583.5/30

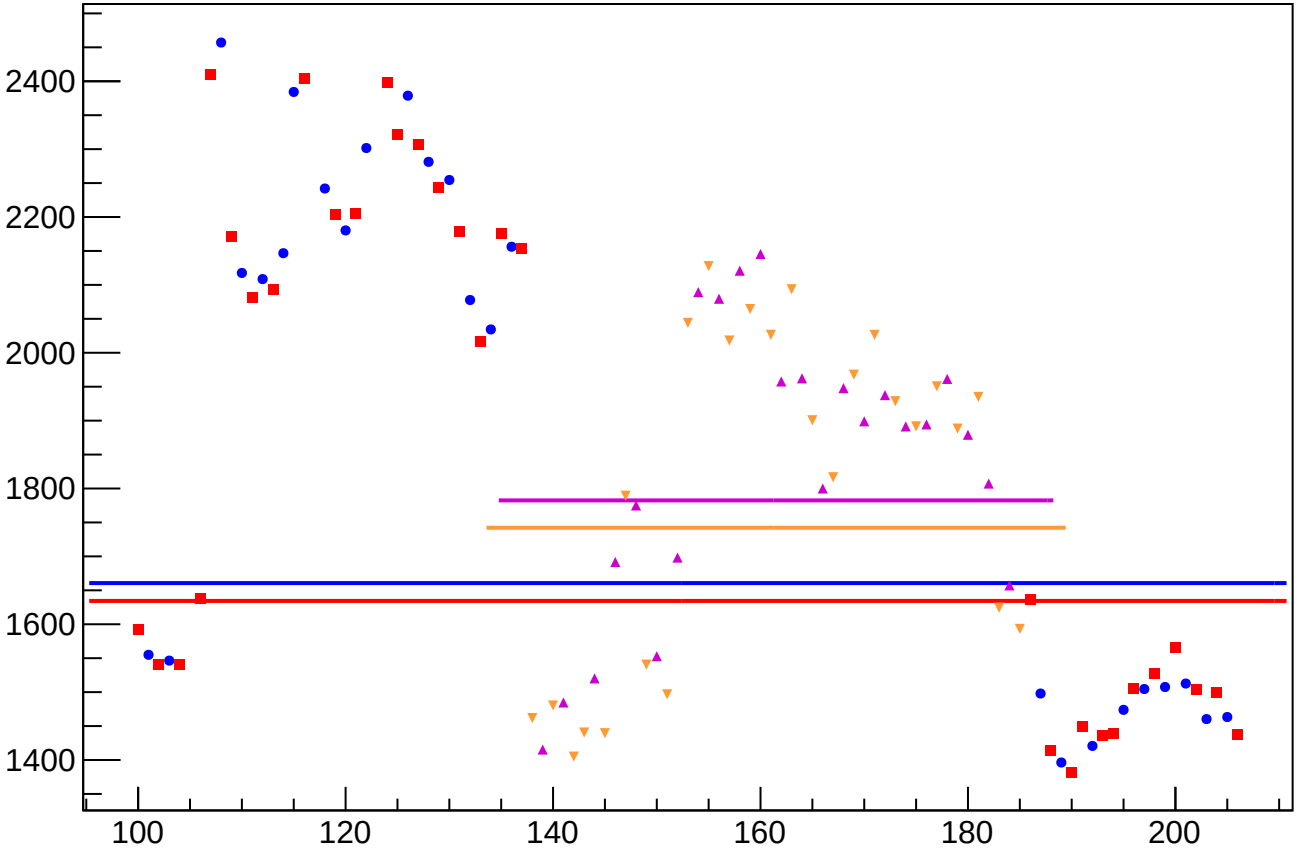
Left In: 4.310+/-0.420 χ^2/NDF:220.4/22

+ sign 9.697+/-0.299 χ^2/NDF: 2711.8/49

All: 9.019+/-0.209 χ^2/NDF: 5707.7/103

- sign 8.368+/-0.293 χ^2/NDF: 2985.8/53

diff_bpm0l05Y_rms vs Slug



Right In: 1660.644+/-0.318 χ^2/NDF: 1011423.5/24

Left Out: 1742.217+/-0.283 χ^2/NDF:767663.9/24

Right Out: 1634.366+/-0.289 χ^2/NDF: 1033694.3/30

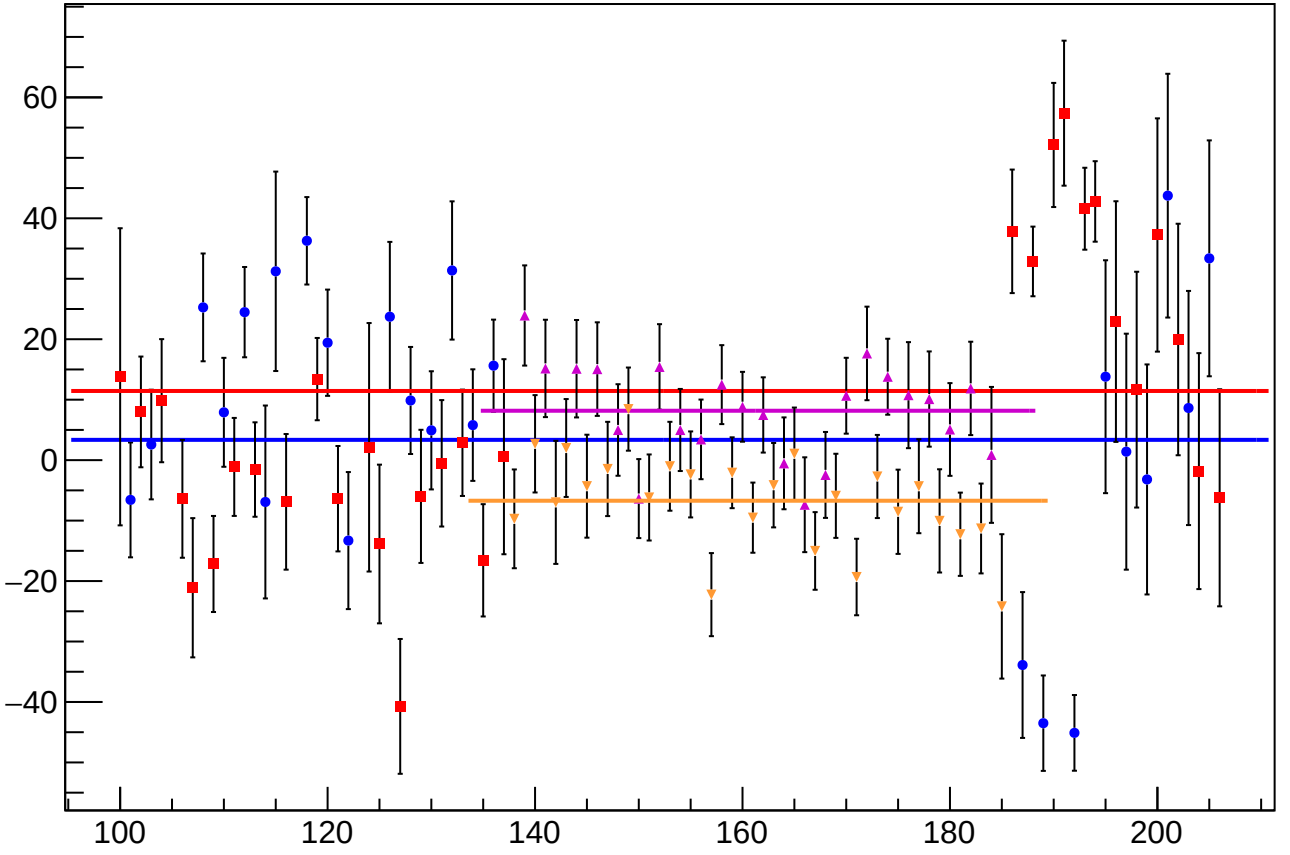
Left In: 1782.502+/-0.297 χ^2/NDF:534374.9/22

+ sign 1706.194+/-0.212 χ^2/NDF: 1815754.9/49

All: 1706.336+/-0.148 χ^2/NDF: 3511471.4/10

- sign 1706.472+/-0.207 χ^2/NDF: 1695715.7/53

diff_bpm0l06X_mean vs Slug



Right In: 3.357+/-2.024 χ^2/NDF: 168.4/24

Left Out: -6.713+/-1.458 χ^2/NDF:25.7/24

Right Out: 11.441+/-1.795 χ^2/NDF: 173.3/30

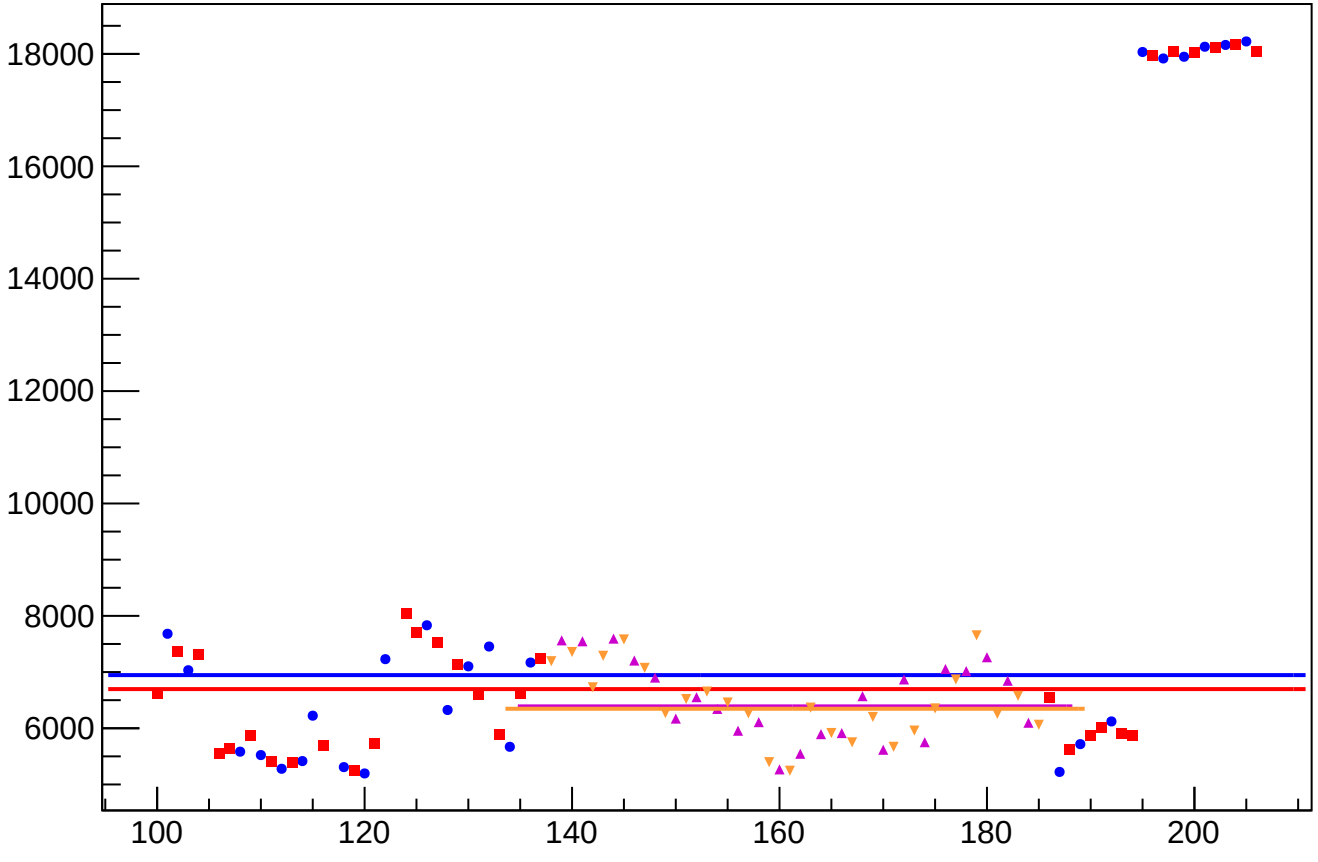
Left In: 8.171+/-1.510 χ^2/NDF:24.2/22

+ sign -3.273+/-1.183 χ^2/NDF: 210.4/49

All: 3.275+/-0.827 χ^2/NDF: 469.8/103

- sign 9.526+/-1.156 χ^2/NDF: 199.4/53

diff_bpm0l06X_rms vs Slug



Right In: 6946.111+/-1.431 χ^2/NDF: 4520543.9/24

Left Out: 6347.287+/-1.031 χ^2/NDF:386025.6/24

Right Out: 6697.116+/-1.270 χ^2/NDF: 4731219.5/30

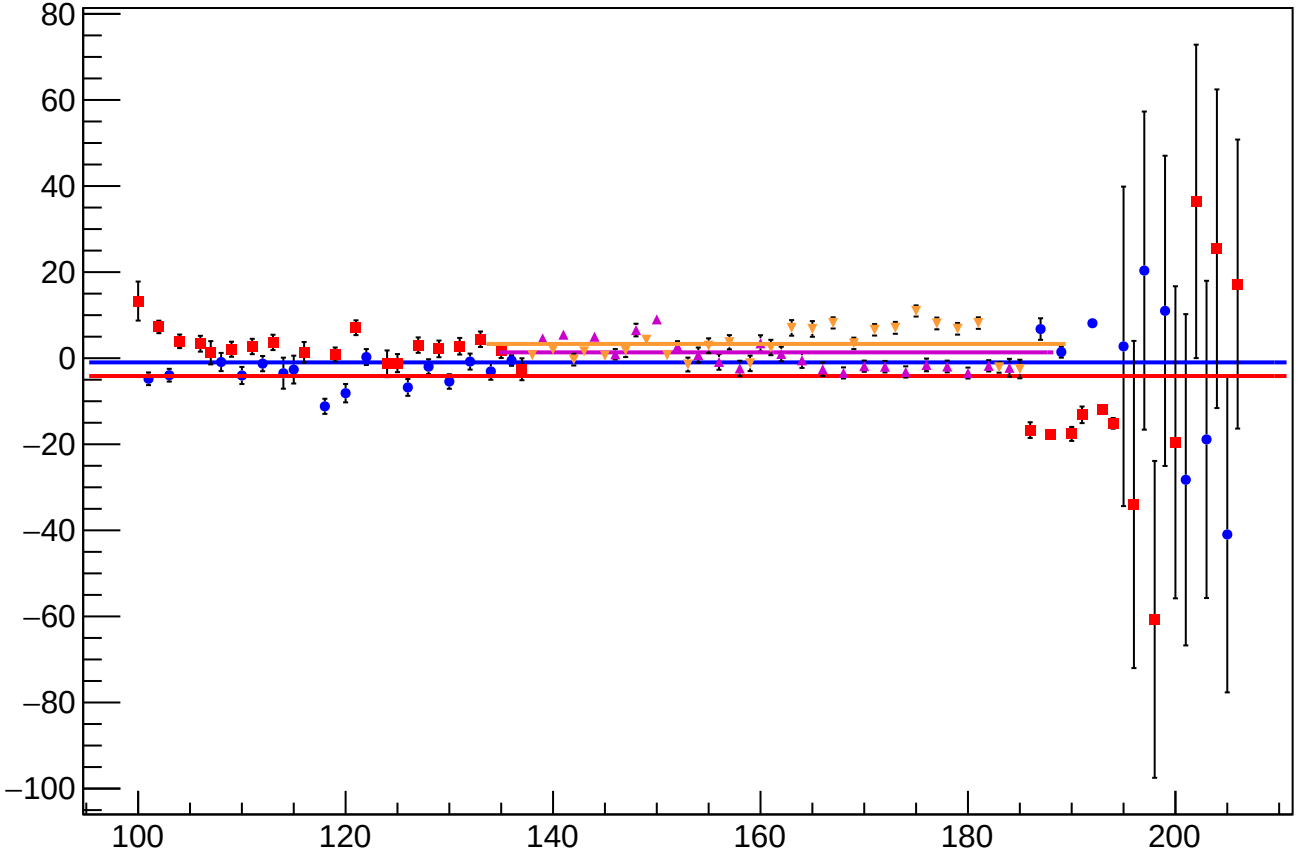
Left In: 6389.425+/-1.068 χ^2/NDF:419756.4/22

+ sign 6551.868+/-0.836 χ^2/NDF: 5021868.3/49

All: 6533.976+/-0.584 χ^2/NDF: 10208144.0/1

- sign 6516.897+/-0.817 χ^2/NDF: 5185381.2/53

diff_bpm0l06Y_mean vs Slug



Right In: -0.975+/-0.386 χ^2/NDF: 181.3/24

Left Out: 3.311+/-0.264 χ^2/NDF:177.9/24

Right Out: -4.146+/-0.342 χ^2/NDF: 749.8/30

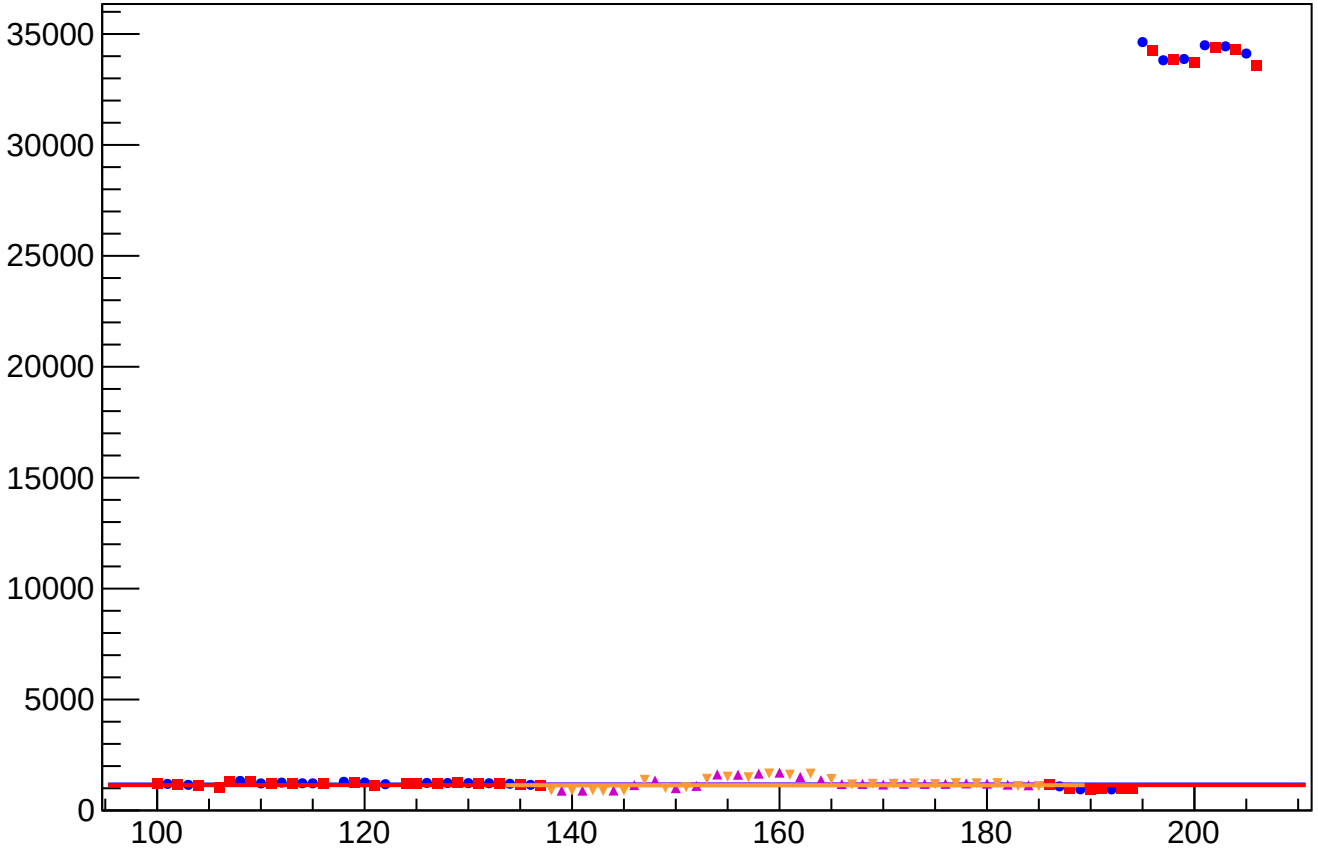
Left In: 1.355+/-0.277 χ^2/NDF:196.3/22

+ sign 1.942+/-0.218 χ^2/NDF: 443.1/49

All: 0.541+/-0.153 χ^2/NDF: 1626.9/103

- sign -0.821+/-0.215 χ^2/NDF: 1102.5/53

diff_bpm0l06Y_rms vs Slug



Right In: 1169.315+/-0.273 χ^2/NDF: 9782664.3/24

Left Out: 1137.150+/-0.187 χ^2/NDF:1469686.1/24

Right Out: 1140.782+/-0.242 χ^2/NDF: 10076582.9/30

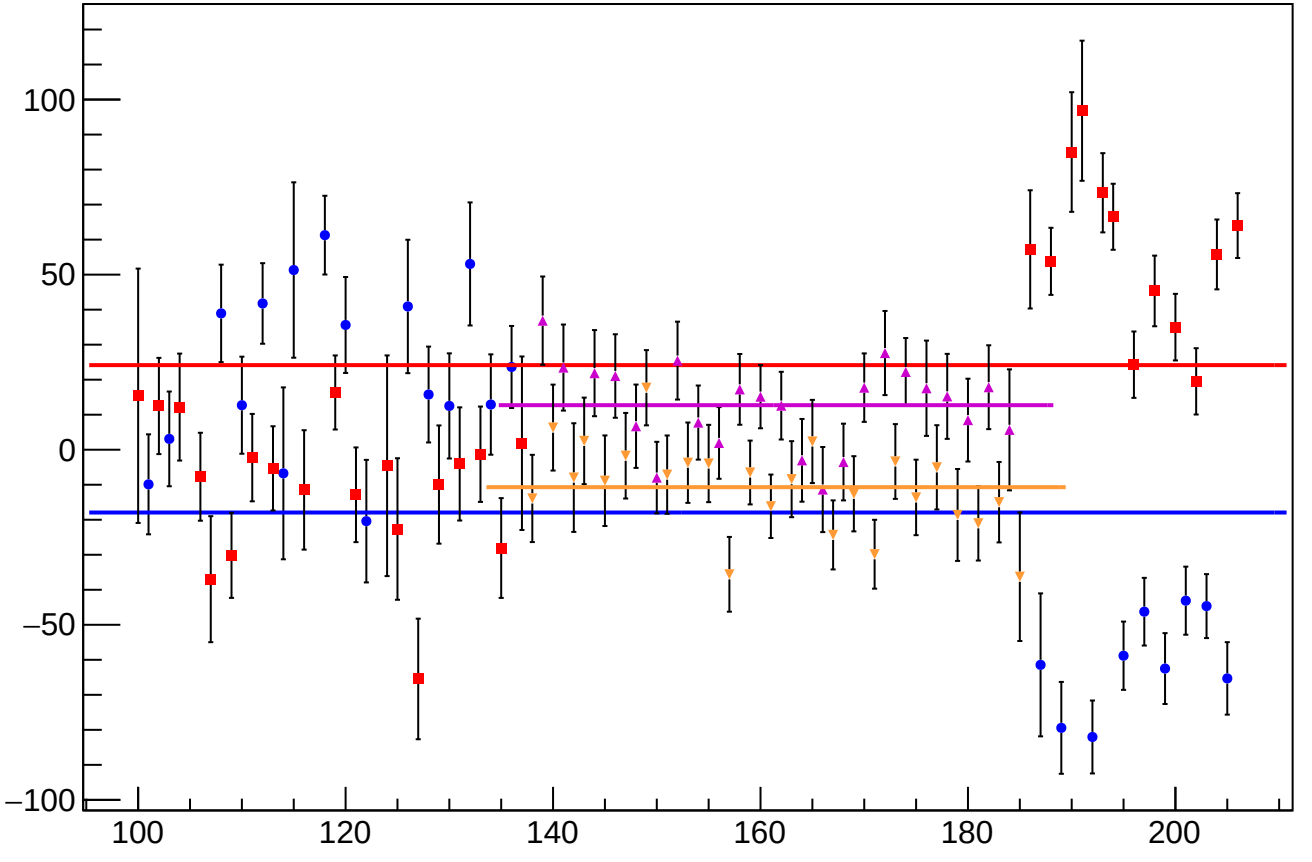
Left In: 1159.432+/-0.196 χ^2/NDF:1259793.6/22

+ sign 1147.426+/-0.154 χ^2/NDF: 11261803.6/49

All: 1149.773+/-0.108 χ^2/NDF: 22602231.4/1

- sign 1152.055+/-0.152 χ^2/NDF: 11339971.2/53

diff_bpm0l07X_mean vs Slug



Right In: -17.935+/-2.529 χ^2/NDF: 323.5/24

Left Out: -10.696+/-2.257 χ^2/NDF:28.7/24

Right Out: 24.158+/-2.305 χ^2/NDF: 233.4/30

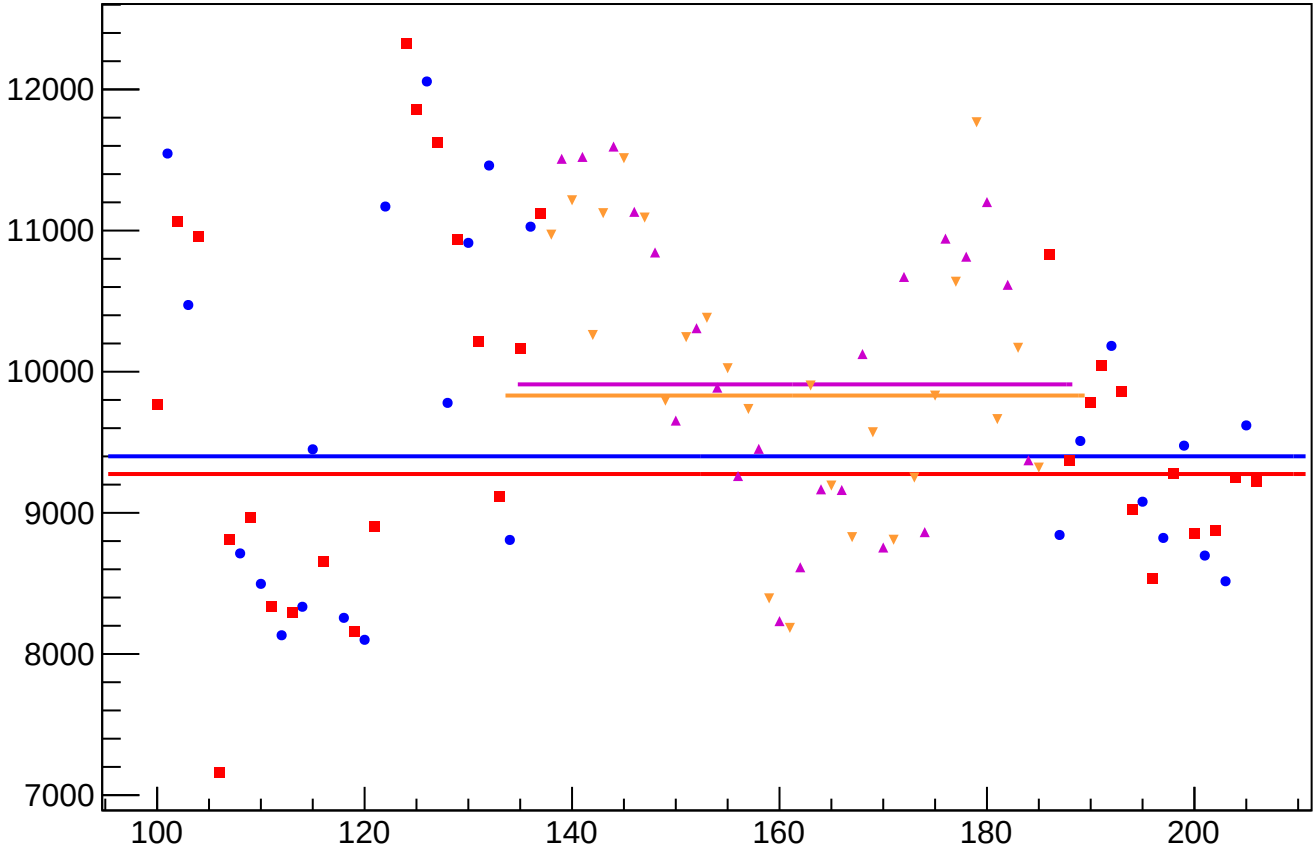
Left In: 12.719+/-2.341 χ^2/NDF:24.0/22

+ sign -13.906+/-1.684 χ^2/NDF: 356.8/49

All: 2.715+/-1.176 χ^2/NDF: 816.4/103

- sign 18.526+/-1.643 χ^2/NDF: 269.5/53

diff_bpm0l07X_rms vs Slug



Right In: 9400.672+/-1.788 χ^2/NDF: 341043.2/24

Left Out: 9831.301+/-1.596 χ^2/NDF:356125.1/24

Right Out: 9275.165+/-1.630 χ^2/NDF: 351286.8/30

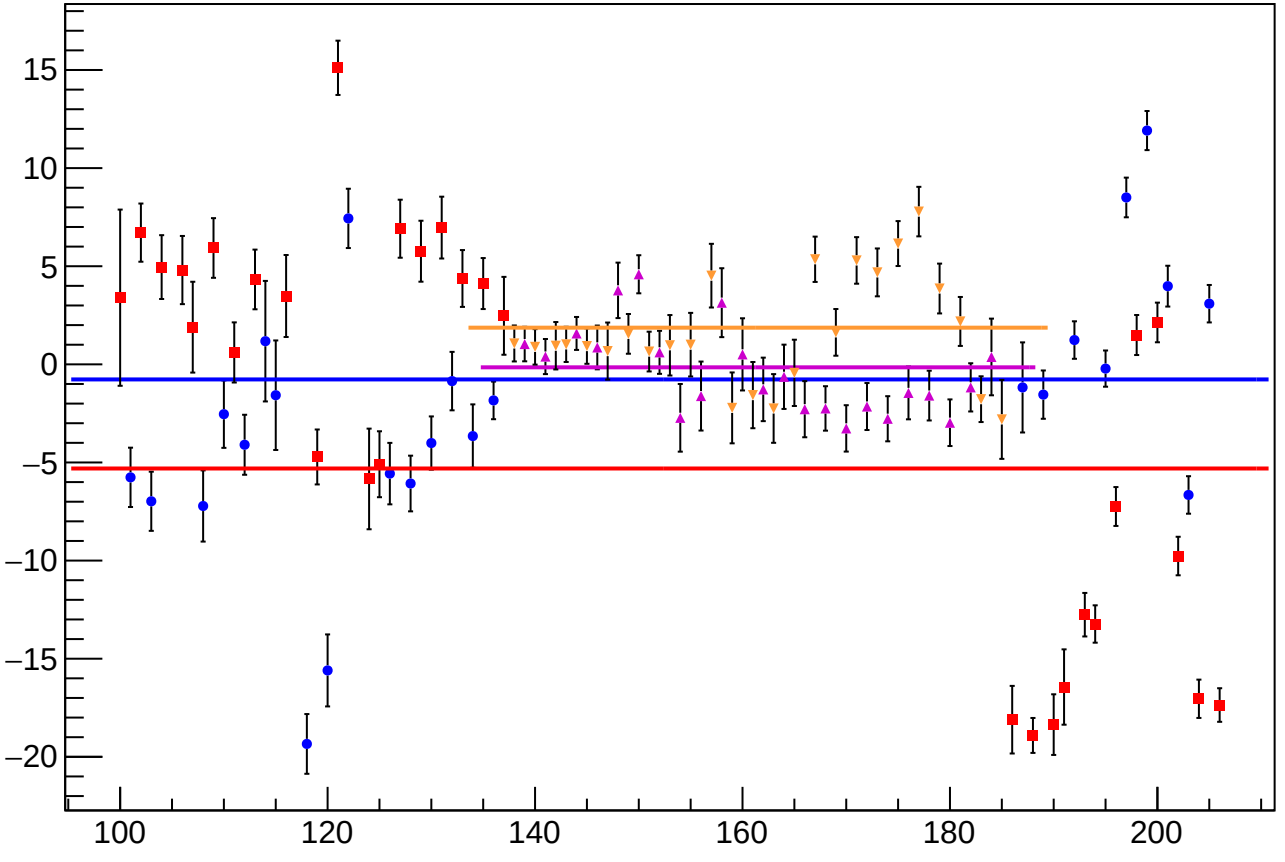
Left In: 9910.300+/-1.655 χ^2/NDF:389368.1/22

+ sign 9640.380+/-1.191 χ^2/NDF: 729440.6/49

All: 9613.480+/-0.831 χ^2/NDF: 1545831.0/10

- sign 9587.889+/-1.161 χ^2/NDF: 815394.6/53

diff_bpm0l07Y_mean vs Slug



Right In: -0.769+/-0.259 χ^2/NDF: 650.5/24

Left Out: 1.869+/-0.243 χ^2/NDF:103.2/24

Right Out: -5.307+/-0.238 χ^2/NDF: 1765.2/30

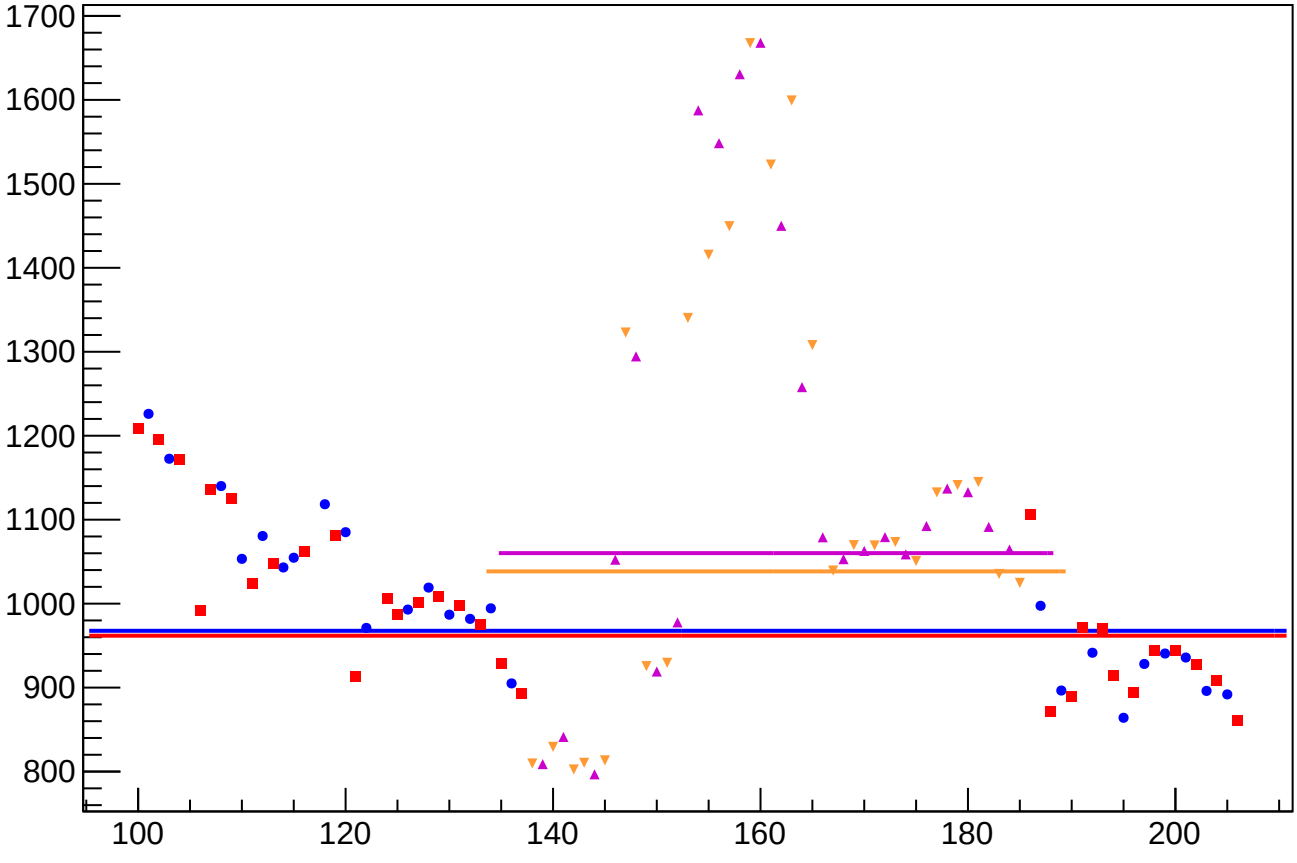
Left In: -0.152+/-0.254 χ^2/NDF:75.7/22

+ sign 0.635+/-0.177 χ^2/NDF: 809.0/49

All: -1.167+/-0.124 χ^2/NDF: 3072.4/103

- sign -2.904+/-0.174 χ^2/NDF: 2059.9/53

diff_bpm0l07Y_rms vs Slug



Right In: 967.657+/-0.183 χ^2/NDF: 237095.6/24

Left Out: 1038.406+/-0.172 χ^2/NDF:1706682.8/24

Right Out: 961.830+/-0.168 χ^2/NDF: 255651.2/30

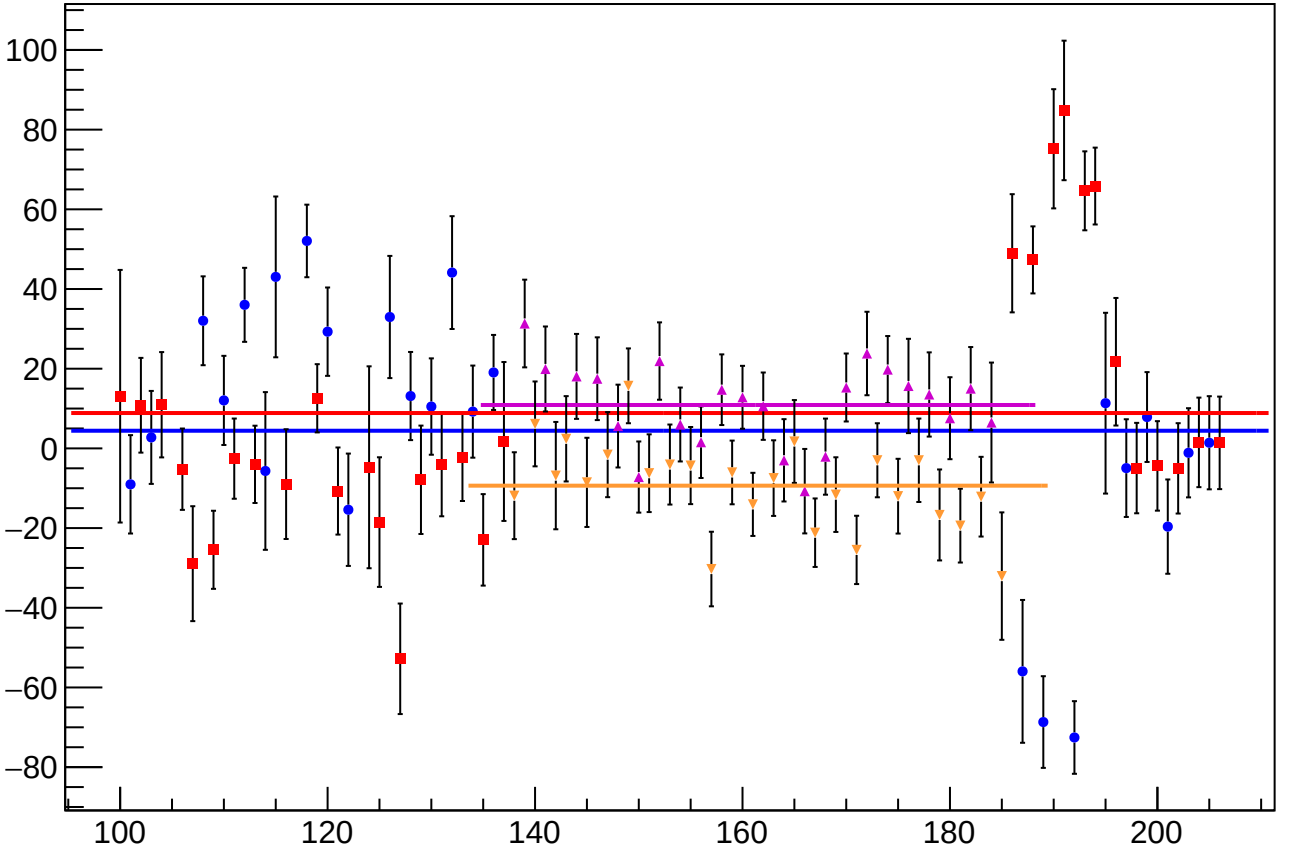
Left In: 1060.162+/-0.180 χ^2/NDF:1523219.9/22

+ sign 1005.295+/-0.125 χ^2/NDF: 2023350.7/49

All: 1006.507+/-0.088 χ^2/NDF: 3961792.8/10

- sign 1007.676+/-0.123 χ^2/NDF: 1938257.8/53

diff_bpm0l08X_mean vs Slug



Right In: 4.431+/-2.381 χ^2/NDF: 200.7/24

Left Out: -9.355+/-1.969 χ^2/NDF:28.5/24

Right Out: 8.877+/-2.148 χ^2/NDF: 202.6/30

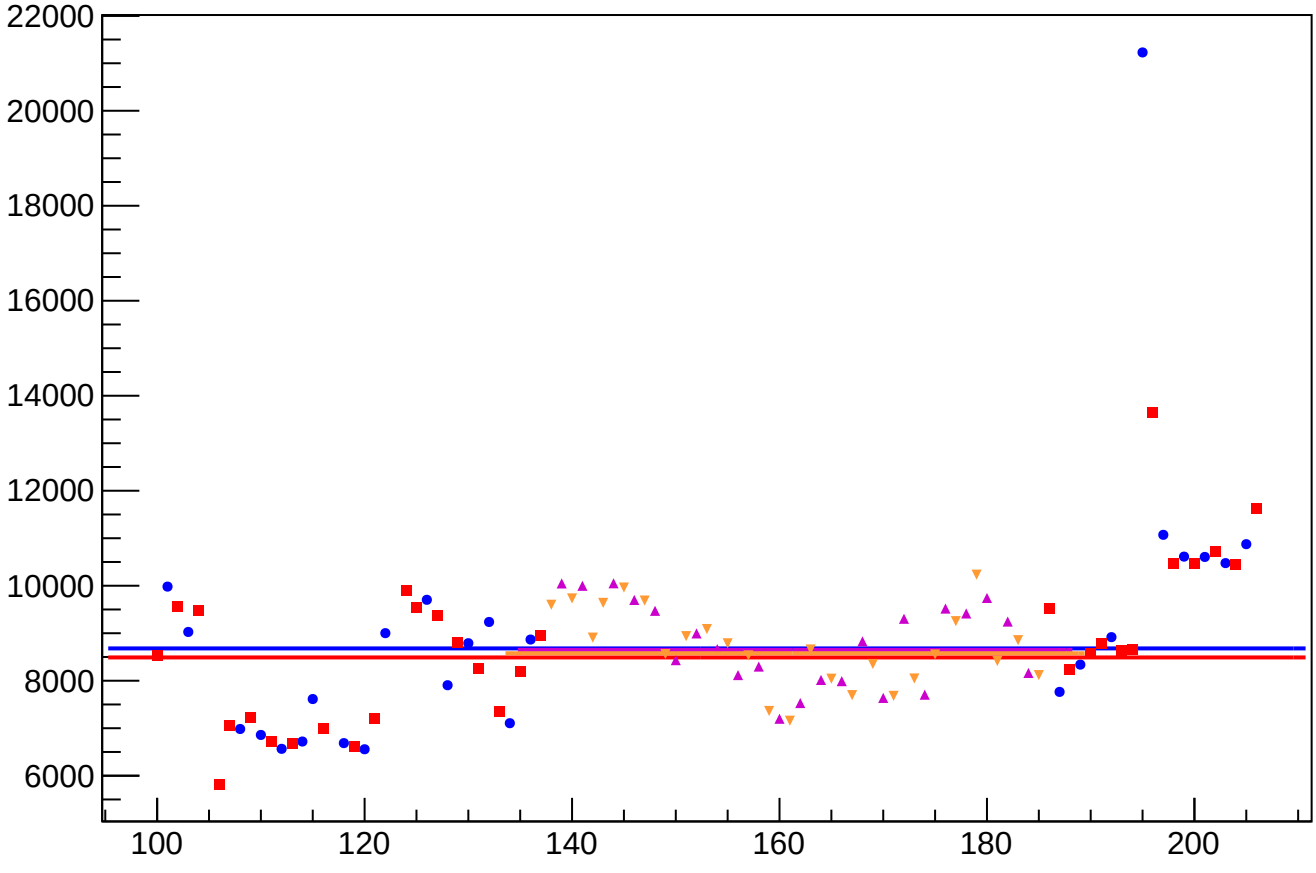
Left In: 10.892+/-2.043 χ^2/NDF:23.6/22

+ sign -3.756+/-1.517 χ^2/NDF: 249.1/49

All: 3.260+/-1.060 χ^2/NDF: 517.4/103

- sign 9.935+/-1.480 χ^2/NDF: 226.6/53

diff_bpm0l08X_rms vs Slug



Right In: 8680.352+/-1.684 χ^2/NDF: 1412212.2/24

Left Out: 8578.396+/-1.392 χ^2/NDF:343721.1/24

Right Out: 8490.170+/-1.519 χ^2/NDF: 1171531.9/30

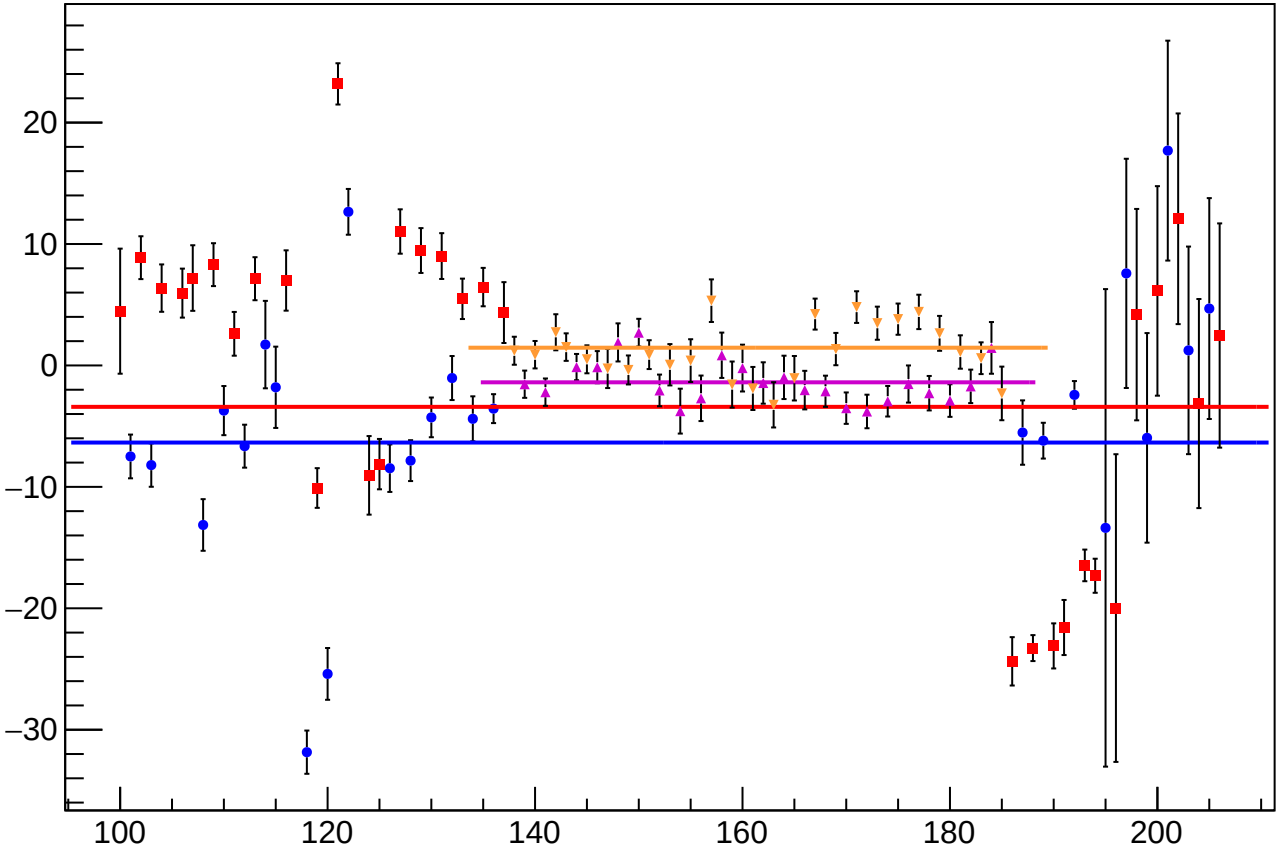
Left In: 8649.232+/-1.444 χ^2/NDF:377932.0/22

+ sign 8619.806+/-1.073 χ^2/NDF: 1758111.0/49

All: 8596.189+/-0.749 χ^2/NDF: 3314278.8/10

- sign 8573.715+/-1.047 χ^2/NDF: 1555222.4/53

diff_bpm0l08Y_mean vs Slug



Right In: -6.350+/-0.404 χ^2/NDF: 449.1/24

Left Out: 1.461+/-0.281 χ^2/NDF:51.0/24

Right Out: -3.410+/-0.359 χ^2/NDF: 1561.5/30

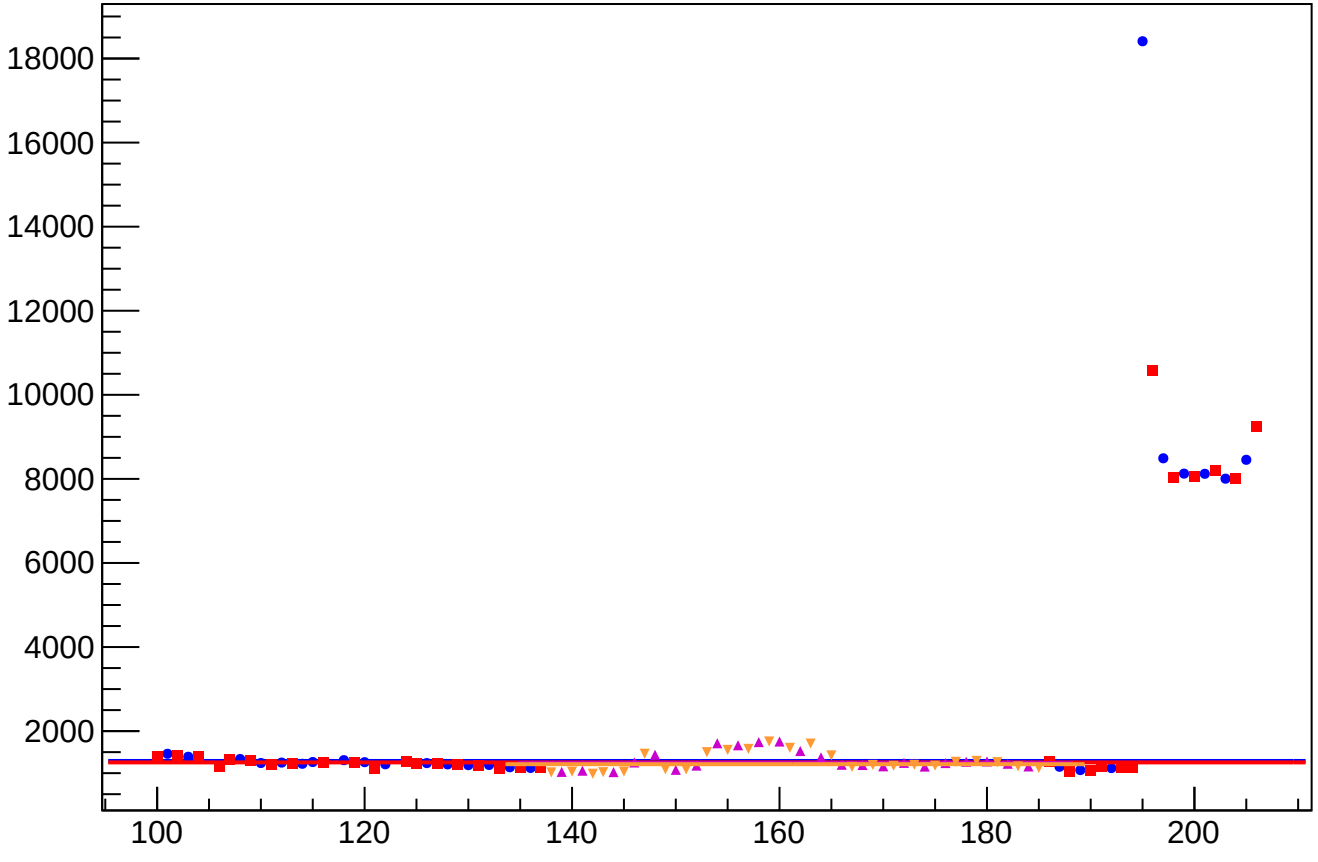
Left In: -1.390+/-0.294 χ^2/NDF:35.5/22

+ sign -1.078+/-0.230 χ^2/NDF: 752.1/49

All: -1.646+/-0.162 χ^2/NDF: 2380.1/103

- sign -2.200+/-0.228 χ^2/NDF: 1616.0/53

diff_bpm0l08Y_rms vs Slug



Right In: 1289.845+/-0.286 χ^2/NDF: 7744532.6/24

Left Out: 1213.262+/-0.198 χ^2/NDF:1012762.9/24

Right Out: 1255.639+/-0.254 χ^2/NDF: 7765716.1/30

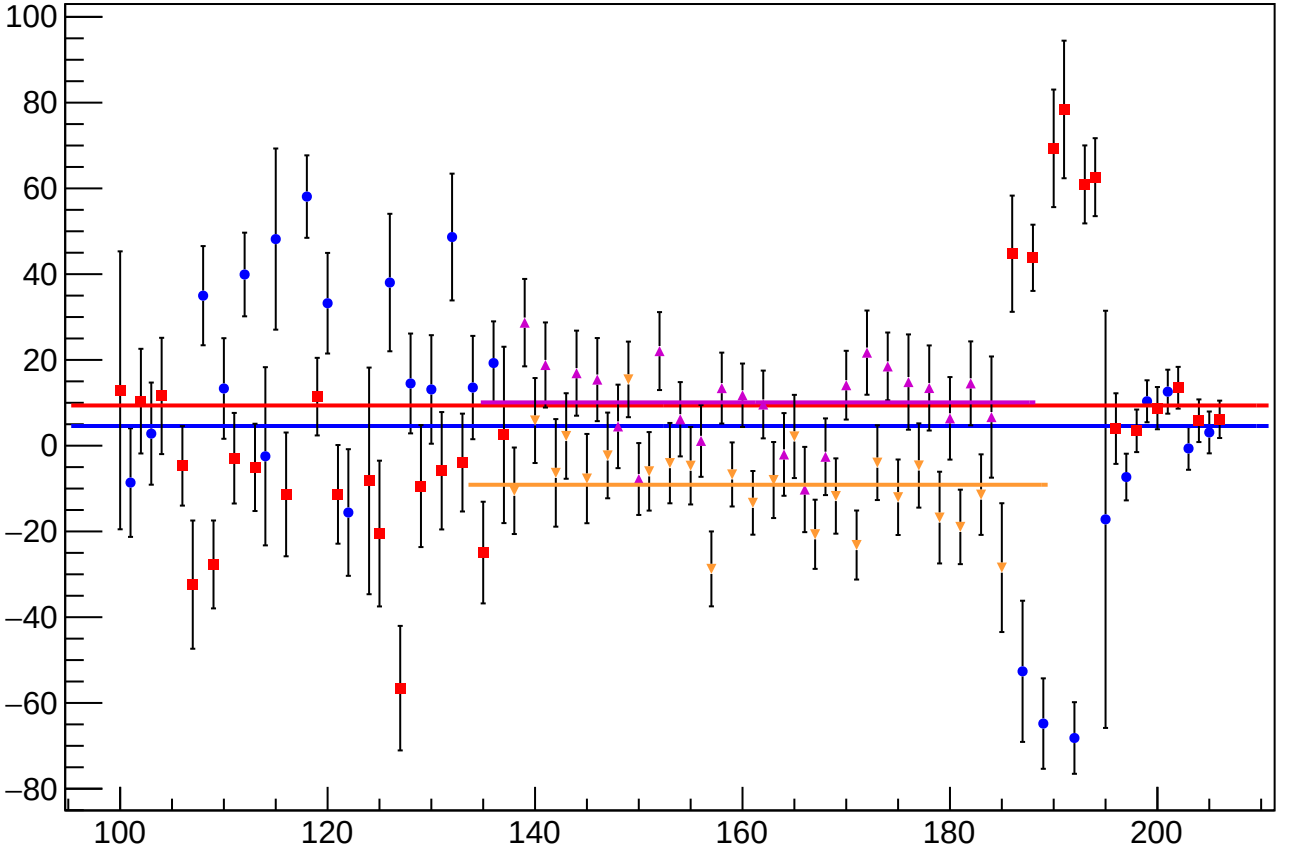
Left In: 1239.174+/-0.208 χ^2/NDF:885596.7/22

+ sign 1238.153+/-0.163 χ^2/NDF: 8805740.8/49

All: 1242.013+/-0.115 χ^2/NDF: 17460673.7/1

- sign 1245.780+/-0.161 χ^2/NDF: 8653824.7/53

diff_bpm0l09X_mean vs Slug



Right In: 4.589+/-1.744 χ^2/NDF: 223.4/24

Left Out: -9.114+/-1.842 χ^2/NDF:28.8/24

Right Out: 9.377+/-1.569 χ^2/NDF: 203.4/30

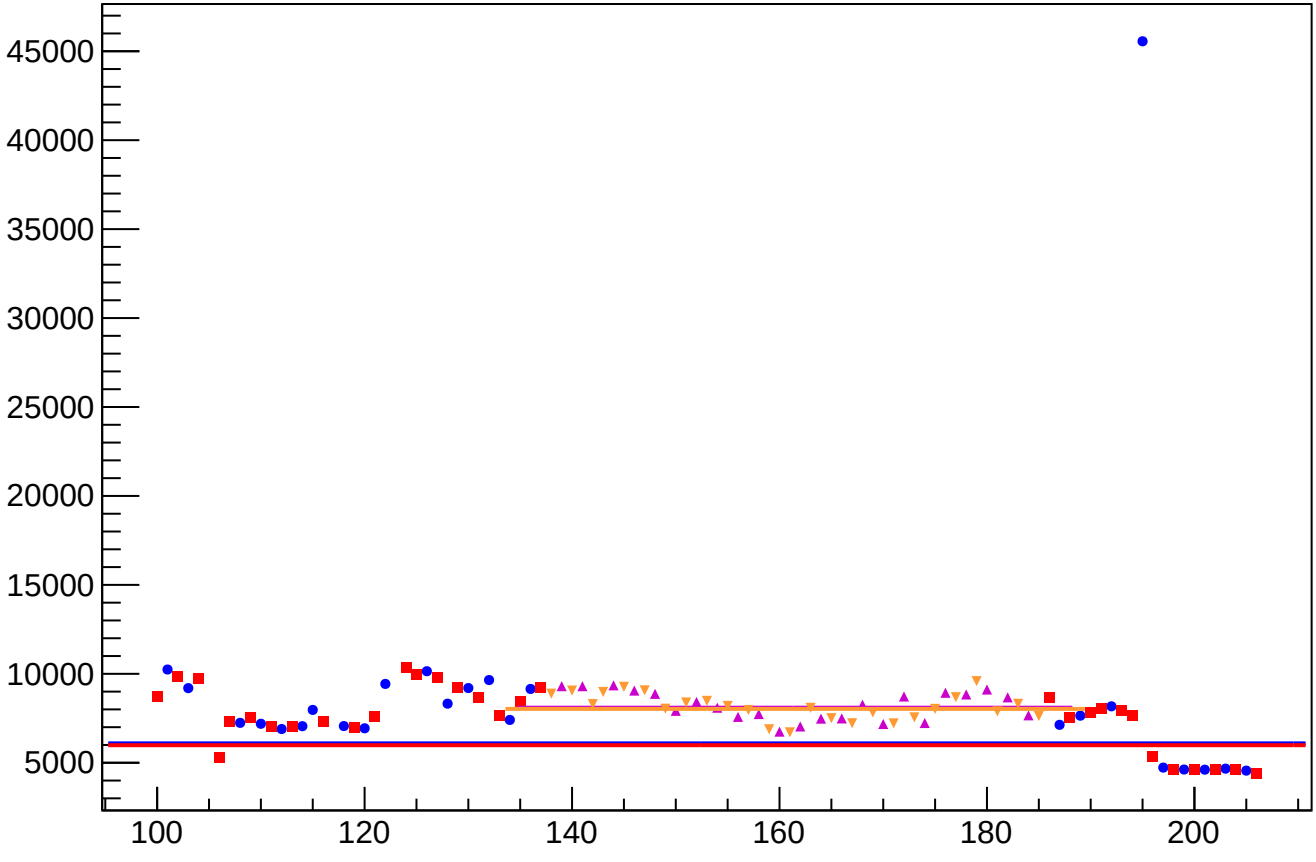
Left In: 10.095+/-1.911 χ^2/NDF:24.3/22

\+ sign -1.888+/-1.267 χ^2/NDF: 281.3/49

All: 4.141+/-0.876 χ^2/NDF: 552.5/103

\- sign 9.666+/-1.213 χ^2/NDF: 227.8/53

diff_bpm0l09X_rms vs Slug



Right In: 6089.403+/-1.233 χ^2/NDF: 3541242.8/24

Left Out: 8028.056+/-1.303 χ^2/NDF:332457.9/24

Right Out: 5987.285+/-1.109 χ^2/NDF: 2519722.4/30

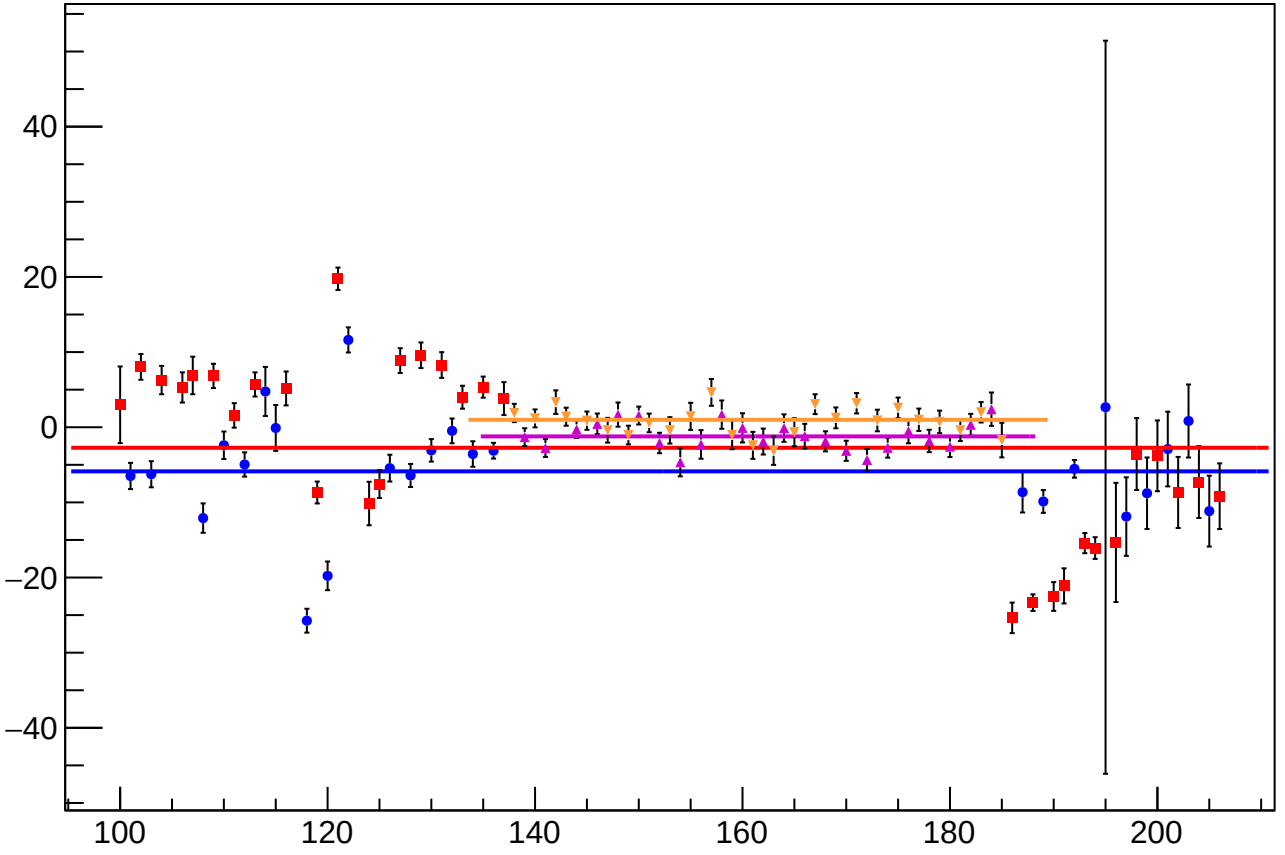
Left In: 8095.368+/-1.351 χ^2/NDF:367451.5/22

+ sign 7005.687+/-0.896 χ^2/NDF: 5041430.4/49

All: 6916.980+/-0.619 χ^2/NDF: 9401287.6/10

- sign 6835.697+/-0.857 χ^2/NDF: 4341060.1/53

diff_bpm0l09Y_mean vs Slug



Right In: -5.871+/-0.374 χ^2/NDF: 383.9/24

Left Out: 0.988+/-0.292 χ^2/NDF:31.0/24

Right Out: -2.732+/-0.338 χ^2/NDF: 1463.5/30

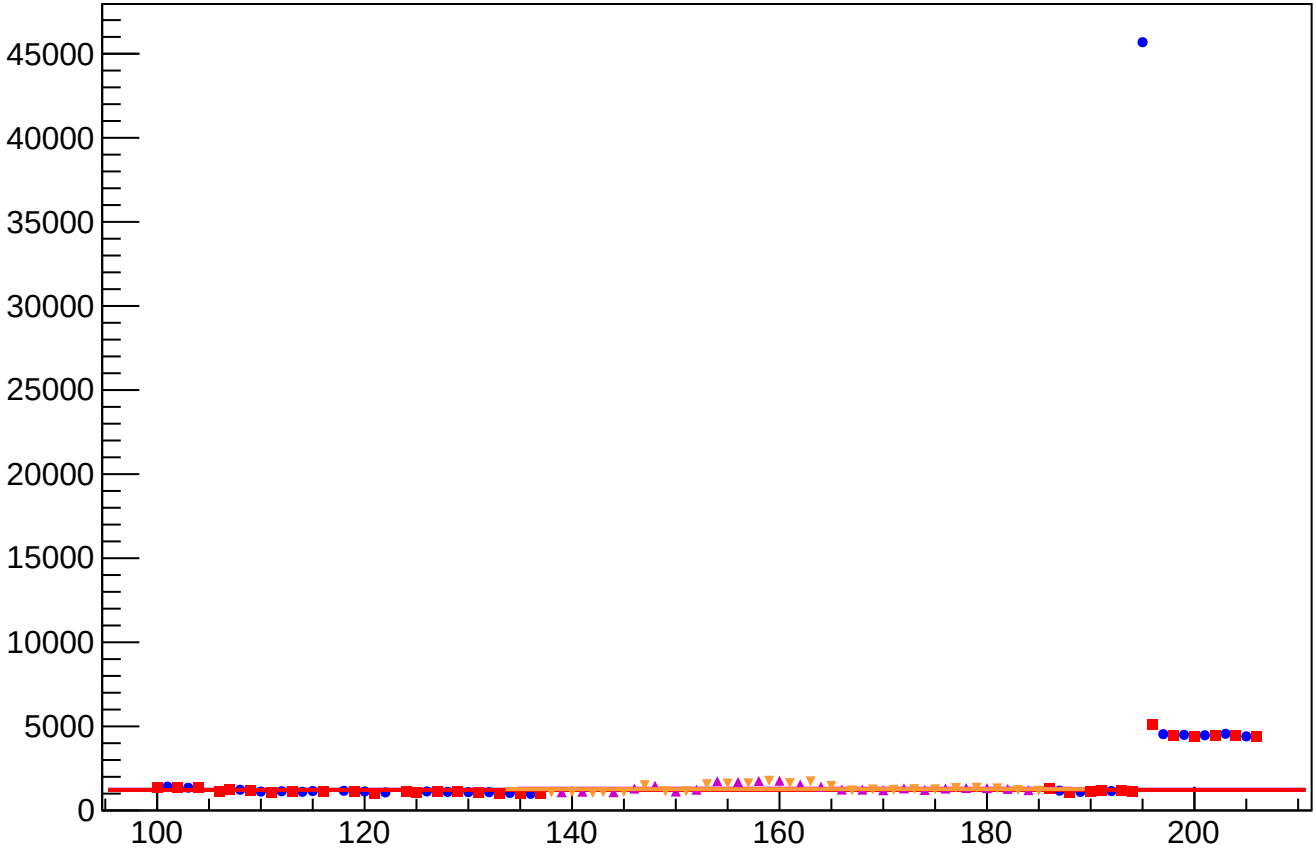
Left In: -1.219+/-0.307 χ^2/NDF:33.1/22

+ sign -1.615+/-0.230 χ^2/NDF: 623.8/49

All: -1.760+/-0.162 χ^2/NDF: 2132.2/103

- sign -1.901+/-0.227 χ^2/NDF: 1507.6/53

diff_bpm0l09Y_rms vs Slug



Right In: 1230.209+/-0.264 χ^2/NDF: 6381842.2/24

Left Out: 1267.405+/-0.207 χ^2/NDF:878431.8/24

Right Out: 1221.534+/-0.239 χ^2/NDF: 5529426.7/30

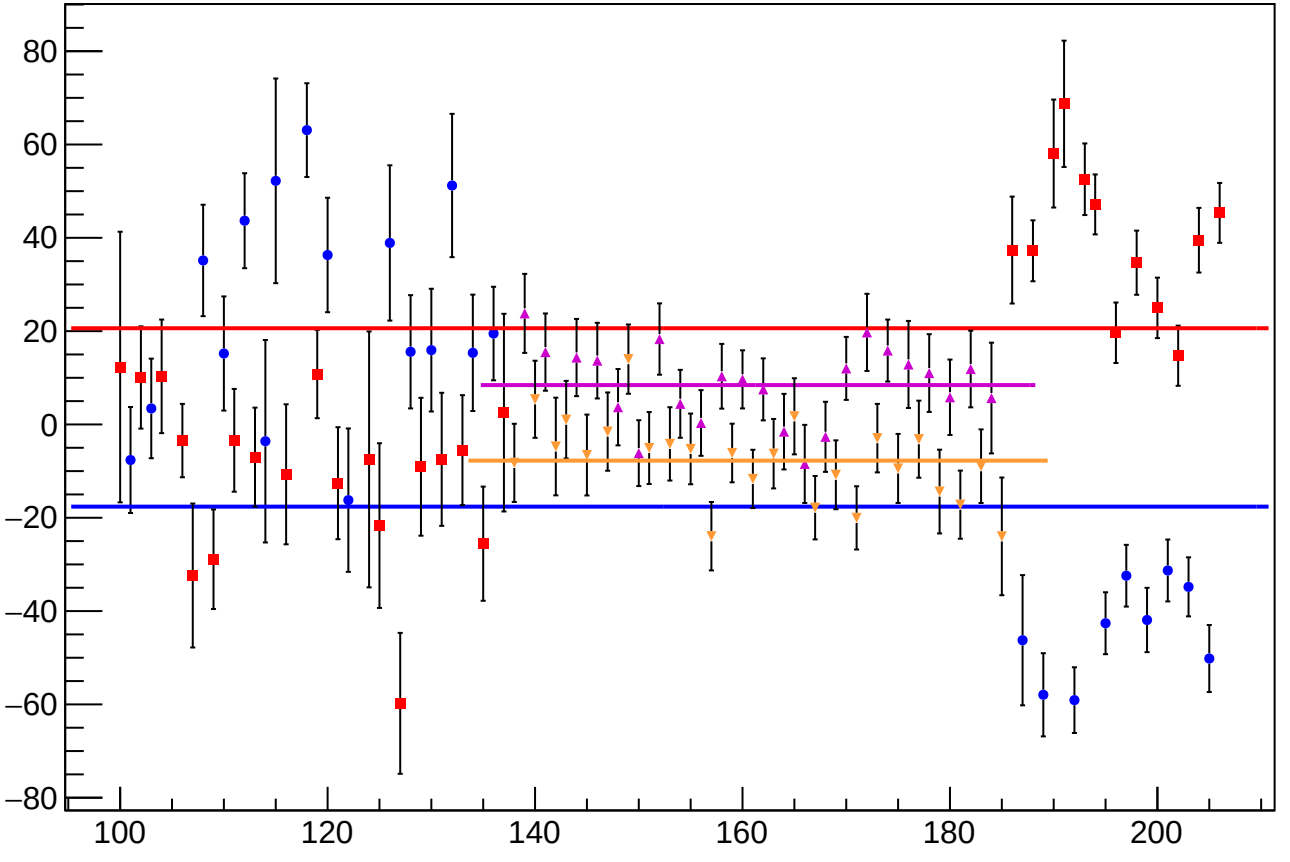
Left In: 1294.076+/-0.217 χ^2/NDF:758193.5/22

+ sign 1253.291+/-0.163 χ^2/NDF: 7272558.8/49

All: 1257.382+/-0.114 χ^2/NDF: 13611923.4/1

- sign 1261.363+/-0.161 χ^2/NDF: 6338119.3/53

diff_bpm0l10X_mean vs Slug



Right In: -17.615+/-1.913 χ^2/NDF: 351.5/24

Left Out: -7.752+/-1.547 χ^2/NDF:30.4/24

Right Out: 20.621+/-1.708 χ^2/NDF: 225.8/30

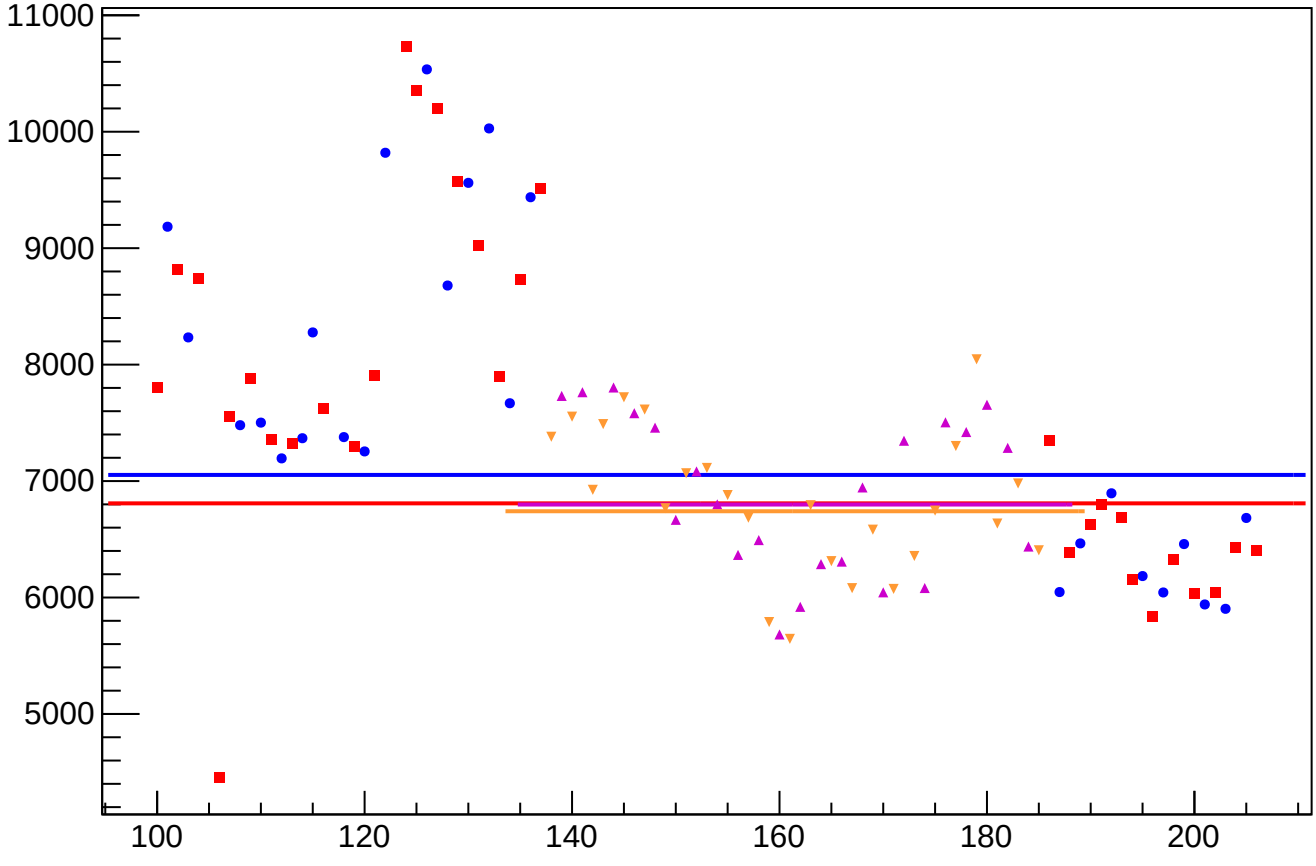
Left In: 8.438+/-1.605 χ^2/NDF:24.8/22

+ sign -11.651+/-1.203 χ^2/NDF: 397.9/49

All: 1.612+/-0.838 χ^2/NDF: 912.2/103

- sign 14.150+/-1.169 χ^2/NDF: 277.7/53

diff_bpm0l10X_rms vs Slug



Right In: 7052.797+/-1.353 χ^2/NDF: 807348.1/24

Left Out: 6740.835+/-1.094 χ^2/NDF:316707.6/24

Right Out: 6808.615+/-1.208 χ^2/NDF: 961209.9/30

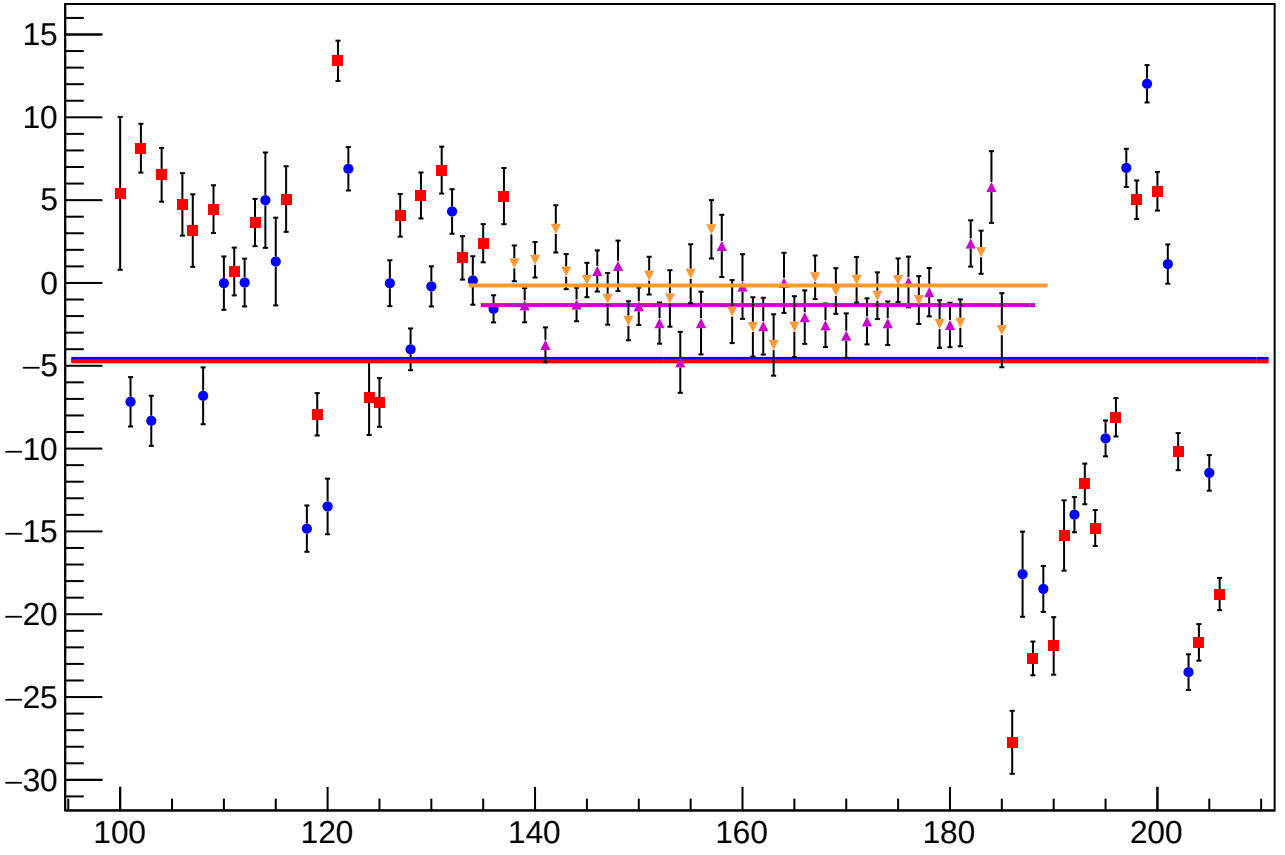
Left In: 6798.524+/-1.135 χ^2/NDF:353277.6/22

+ sign 6864.134+/-0.850 χ^2/NDF: 1156216.9/49

All: 6832.840+/-0.593 χ^2/NDF: 2473375.5/10

- sign 6803.255+/-0.827 χ^2/NDF: 1314524.6/53

diff_bpm0l10Y_mean vs Slug



Right In: -4.586+/-0.262 χ^2/NDF: 1209.7/24

Left Out: -0.152+/-0.277 χ^2/NDF:36.1/24

Right Out: -4.732+/-0.246 χ^2/NDF: 2102.8/30

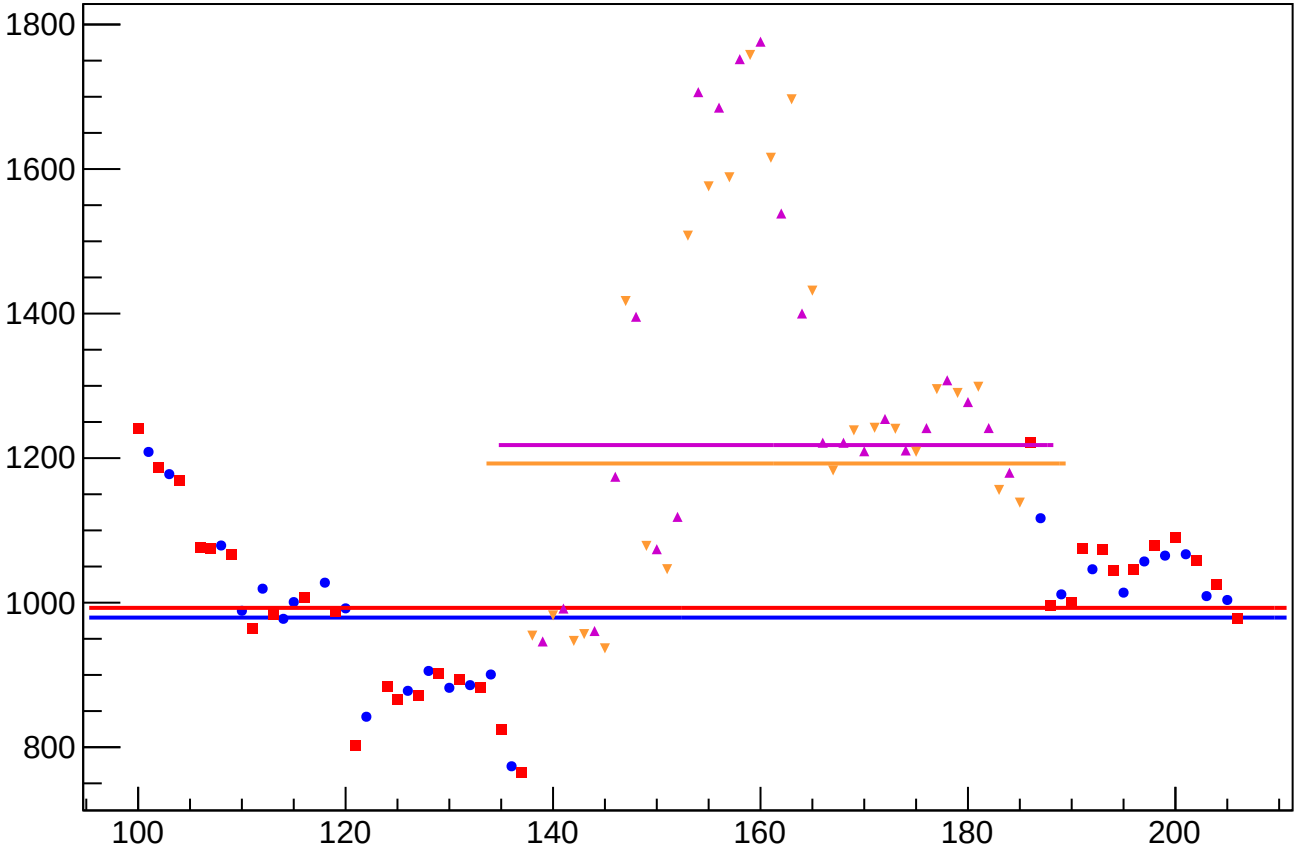
Left In: -1.337+/-0.290 χ^2/NDF:44.0/22

+ sign -2.488+/-0.190 χ^2/NDF: 1381.0/49

All: -2.906+/-0.134 χ^2/NDF: 3617.0/103

- sign -3.313+/-0.188 χ^2/NDF: 2226.5/53

diff_bpm0l10Y_rms vs Slug



Right In: 979.352+/-0.185 χ^2/NDF: 337329.0/24

Left Out: 1192.579+/-0.196 χ^2/NDF:1320181.3/24

Right Out: 992.801+/-0.174 χ^2/NDF: 358783.7/30

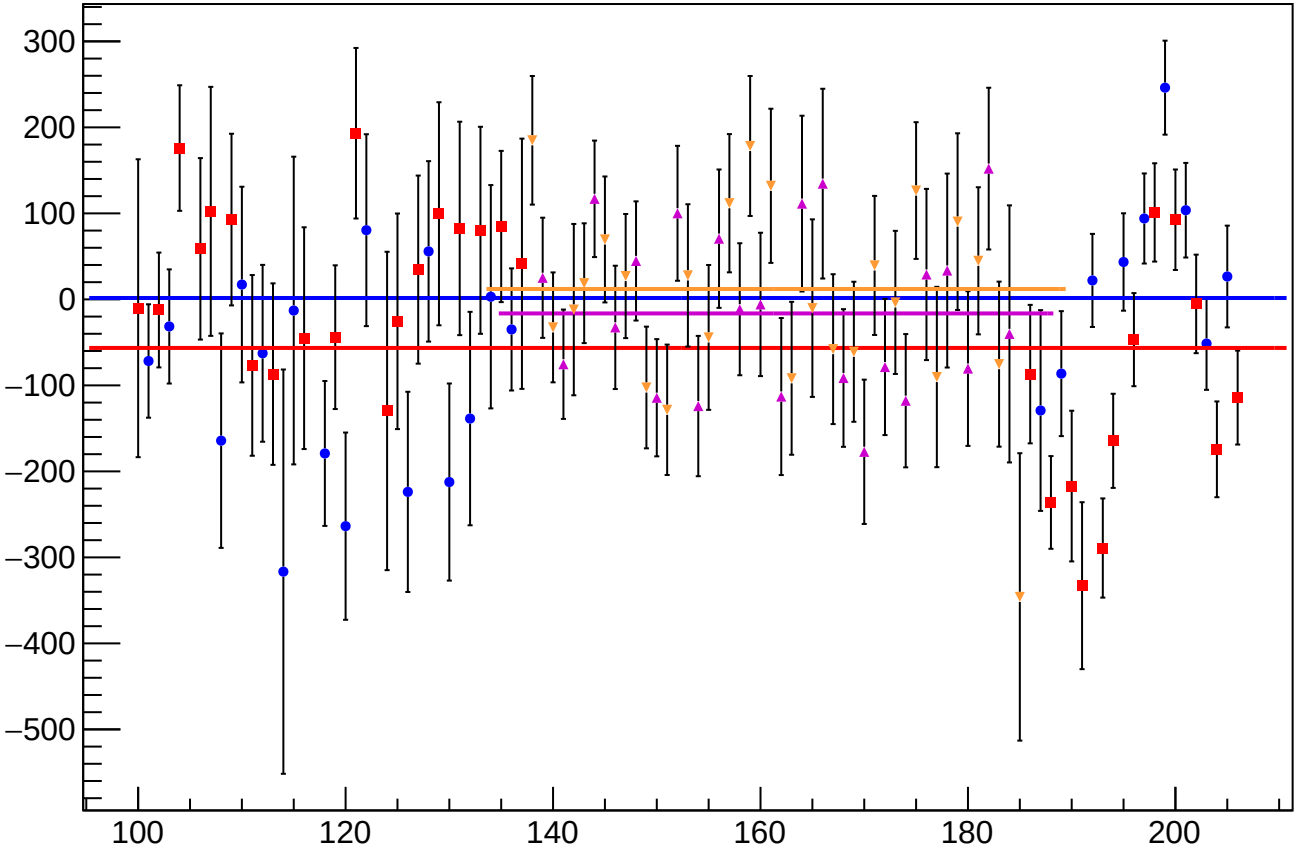
Left In: 1218.058+/-0.205 χ^2/NDF:1127896.8/22

+ sign 1080.273+/-0.135 χ^2/NDF: 2283029.4/49

All: 1083.662+/-0.094 χ^2/NDF: 4472524.4/10

- sign 1086.952+/-0.133 χ^2/NDF: 2188246.0/53

diff_bpm0r03X_mean vs Slug



Right In: 1.615+/-15.450 χ^2/NDF: 56.7/24

Left Out: 12.081+/-16.608 χ^2/NDF:32.8/24

Right Out: -56.462+/-14.160 χ^2/NDF: 93.1/30

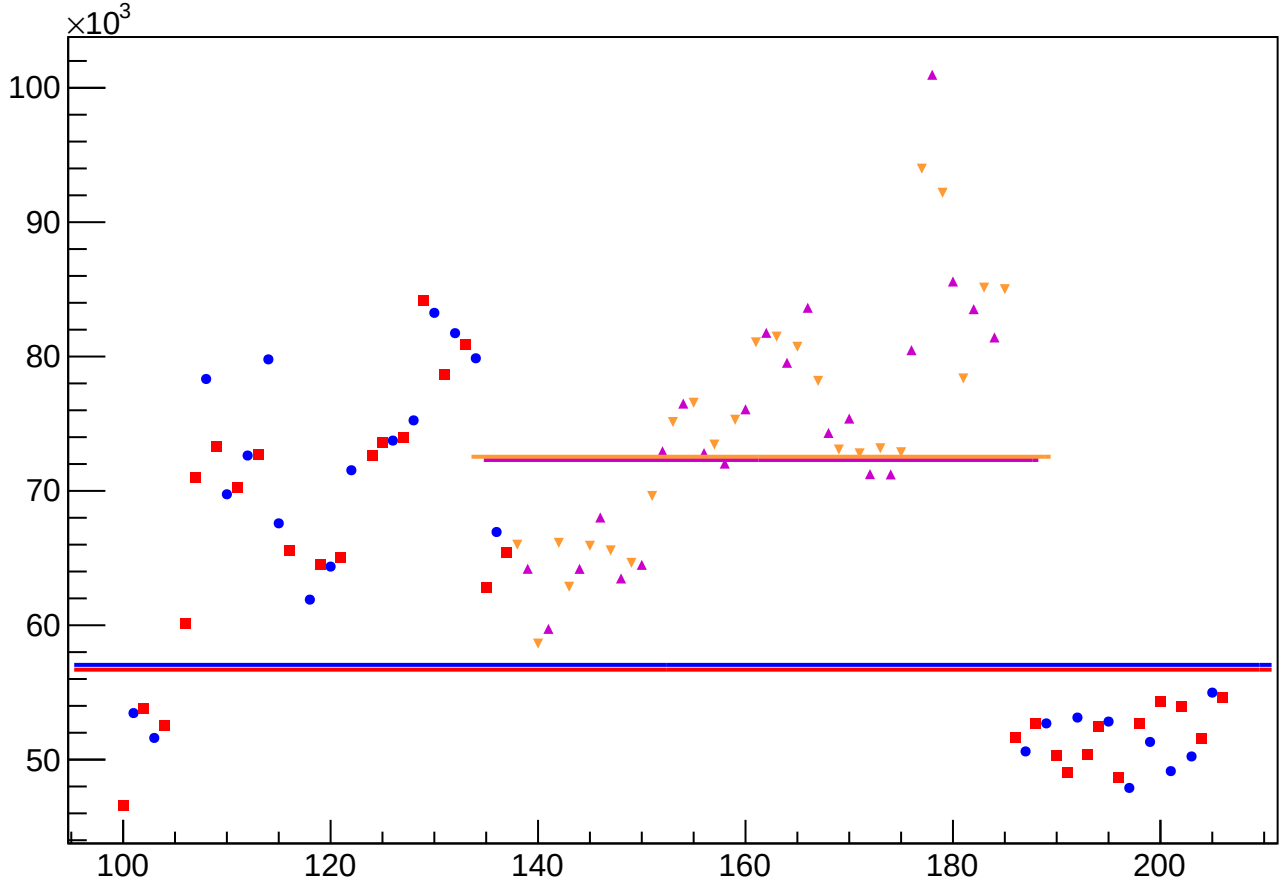
Left In: -16.339+/-17.018 χ^2/NDF:28.7/22

+ sign 6.471+/-11.312 χ^2/NDF: 89.8/49

All: -17.684+/-7.843 χ^2/NDF: 223.7/103

- sign -40.048+/-10.885 χ^2/NDF: 125.1/53

diff_bpm0r03X_rms vs Slug



Right In: 57051.478+/-10.925 χ^2/NDF: 803056.6/24

Left Out: 72544.327+/-11.744 χ^2/NDF:500066.2/24

Right Out: 56693.615+/-10.012 χ^2/NDF: 725283.4/30

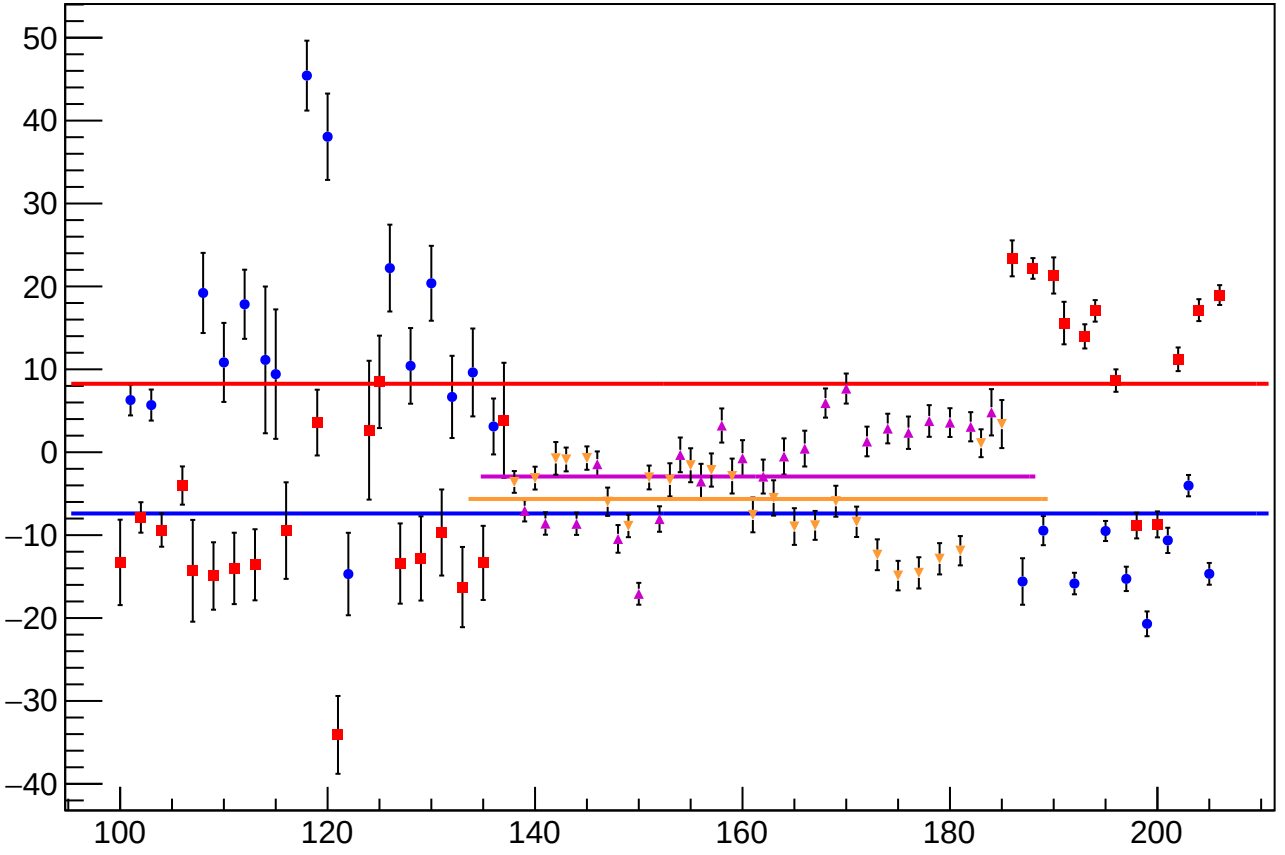
Left In: 72300.590+/-12.033 χ^2/NDF:488780.3/22

+ sign 64239.199+/-7.999 χ^2/NDF: 2236112.7/49

All: 63636.426+/-5.546 χ^2/NDF: 4455098.4/1

- sign 63078.351+/-7.697 χ^2/NDF: 2208049.5/53

diff_bpm0r03Y_mean vs Slug



Right In: -7.387+/-0.429 χ^2/NDF: 747.1/24

Left Out: -5.636+/-0.349 χ^2/NDF:178.2/24

Right Out: 8.257+/-0.384 χ^2/NDF: 1137.3/30

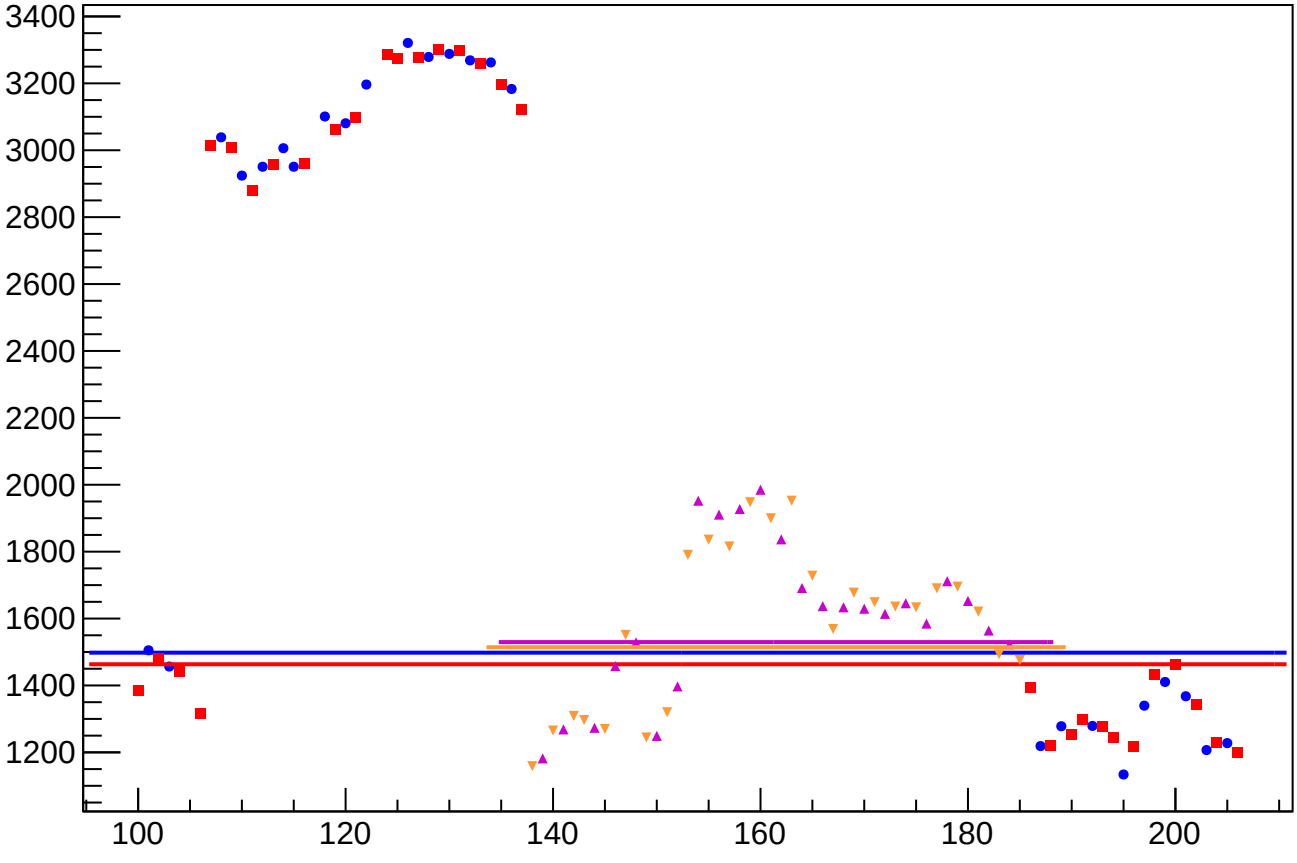
Left In: -2.929+/-0.362 χ^2/NDF:337.4/22

+ sign -6.333+/-0.271 χ^2/NDF: 935.3/49

All: -1.873+/-0.189 χ^2/NDF: 3387.3/103

- sign 2.346+/-0.263 χ^2/NDF: 1924.3/53

diff_bpm0r03Y_rms vs Slug



Right In: 1498.070+/-0.304 χ^2/NDF: 3817094.4/24

Left Out: 1514.334+/-0.247 χ^2/NDF:933332.1/24

Right Out: 1463.371+/-0.271 χ^2/NDF: 3807383.9/30

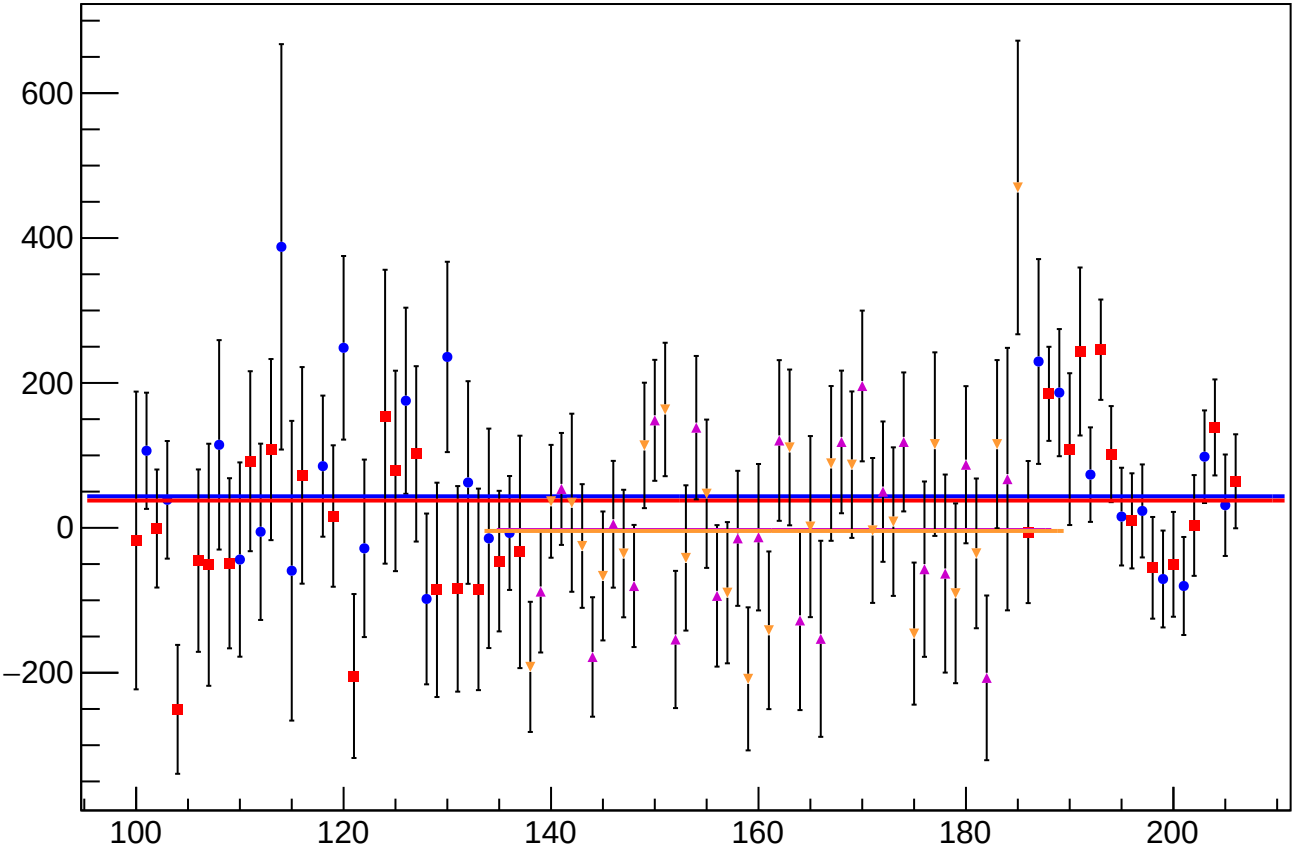
Left In: 1529.635+/-0.256 χ^2/NDF:828481.7/22

+ sign 1507.861+/-0.191 χ^2/NDF: 4752154.9/49

All: 1502.994+/-0.134 χ^2/NDF: 9420827.4/10

- sign 1498.391+/-0.186 χ^2/NDF: 4667415.5/53

diff_bpm0r05X_mean vs Slug



Right In: 43.527+/-18.367 χ^2/NDF: 23.5/24

Left Out: -4.274+/-20.240 χ^2/NDF:30.4/24

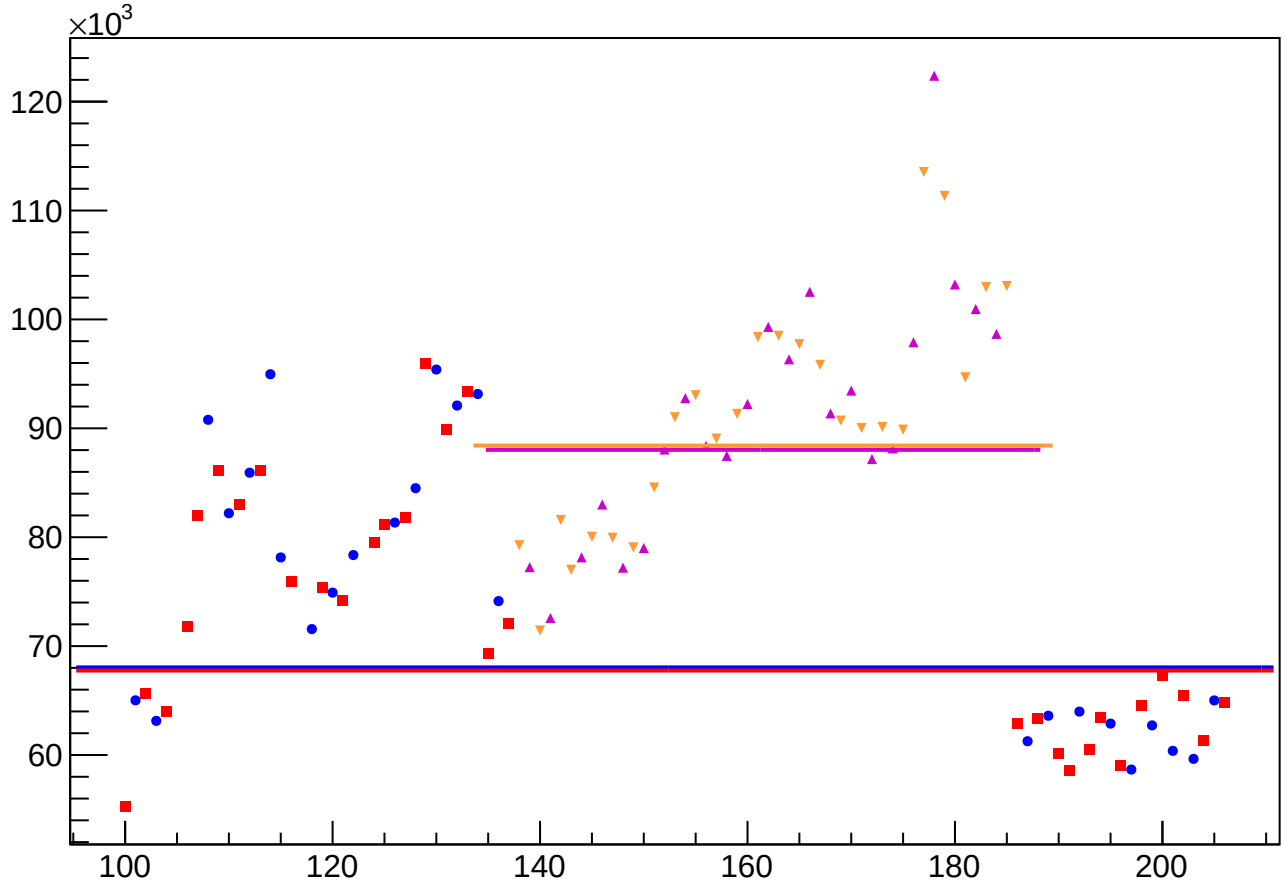
Right Out: 37.703+/-16.886 χ^2/NDF: 46.2/30

Left In: -3.017+/-20.720 χ^2/NDF:30.7/22

+ sign 21.940+/-13.602 χ^2/NDF: 57.0/49

All: 21.687+/-9.432 χ^2/NDF: 136.2/103

- sign 21.452+/-13.090 χ^2/NDF: 79.2/53



Right In: 68044.555+/-12.987 χ^2/NDF: 592865.0/24

Left Out: 88417.953+/-14.312 χ^2/NDF:481954.0/24

Right Out: 67757.138+/-11.940 χ^2/NDF: 552025.6/30

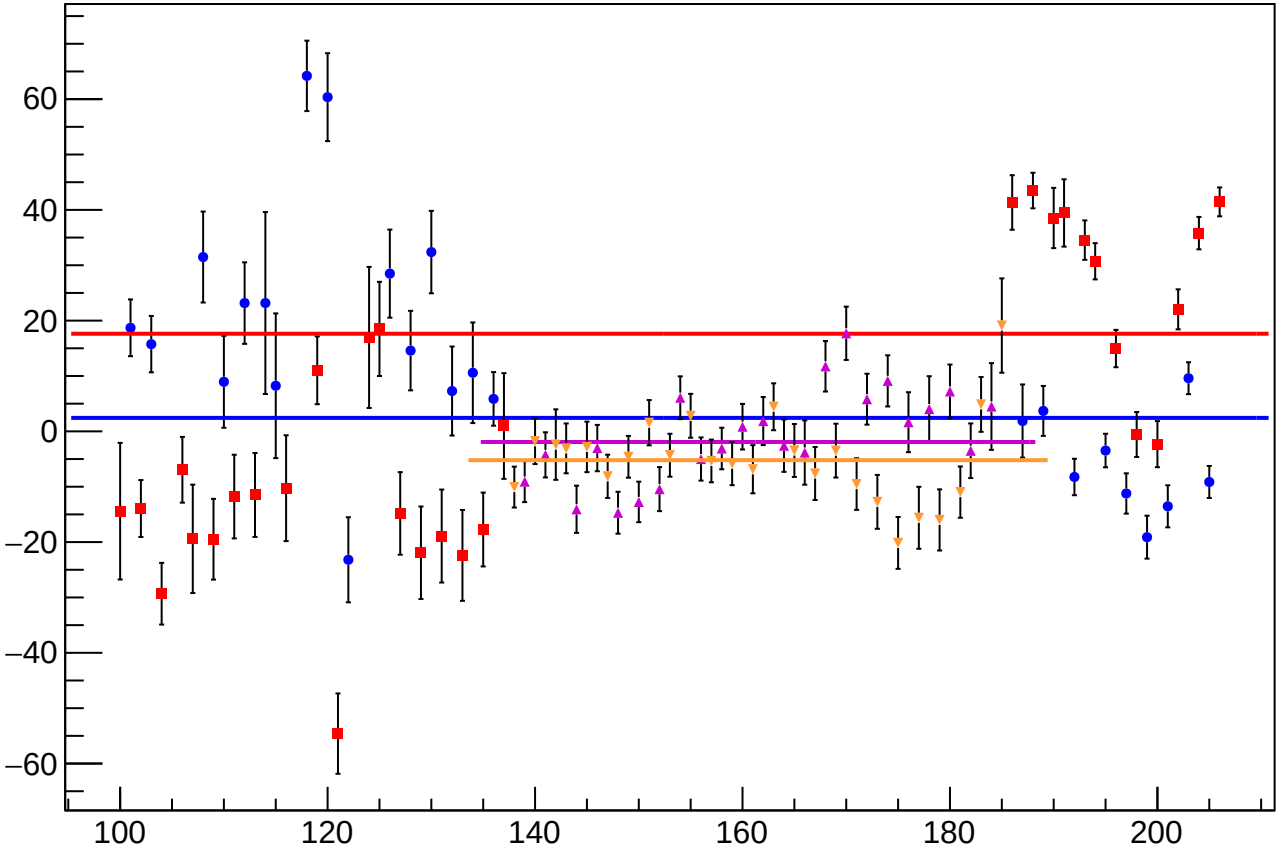
Left In: 88023.592+/-14.651 χ^2/NDF:484812.2/22

+ sign 77245.204+/-9.618 χ^2/NDF: 2186123.0/49

All: 76518.543+/-6.669 χ^2/NDF: 4383736.2/1

- sign 75845.547+/-9.256 χ^2/NDF: 2186617.9/53

diff_bpm0r05Y_mean vs Slug



Right In: 2.433+/-0.981 χ^2/NDF: 329.2/24

Left Out: -5.206+/-0.894 χ^2/NDF:51.0/24

Right Out: 17.631+/-0.891 χ^2/NDF: 748.1/30

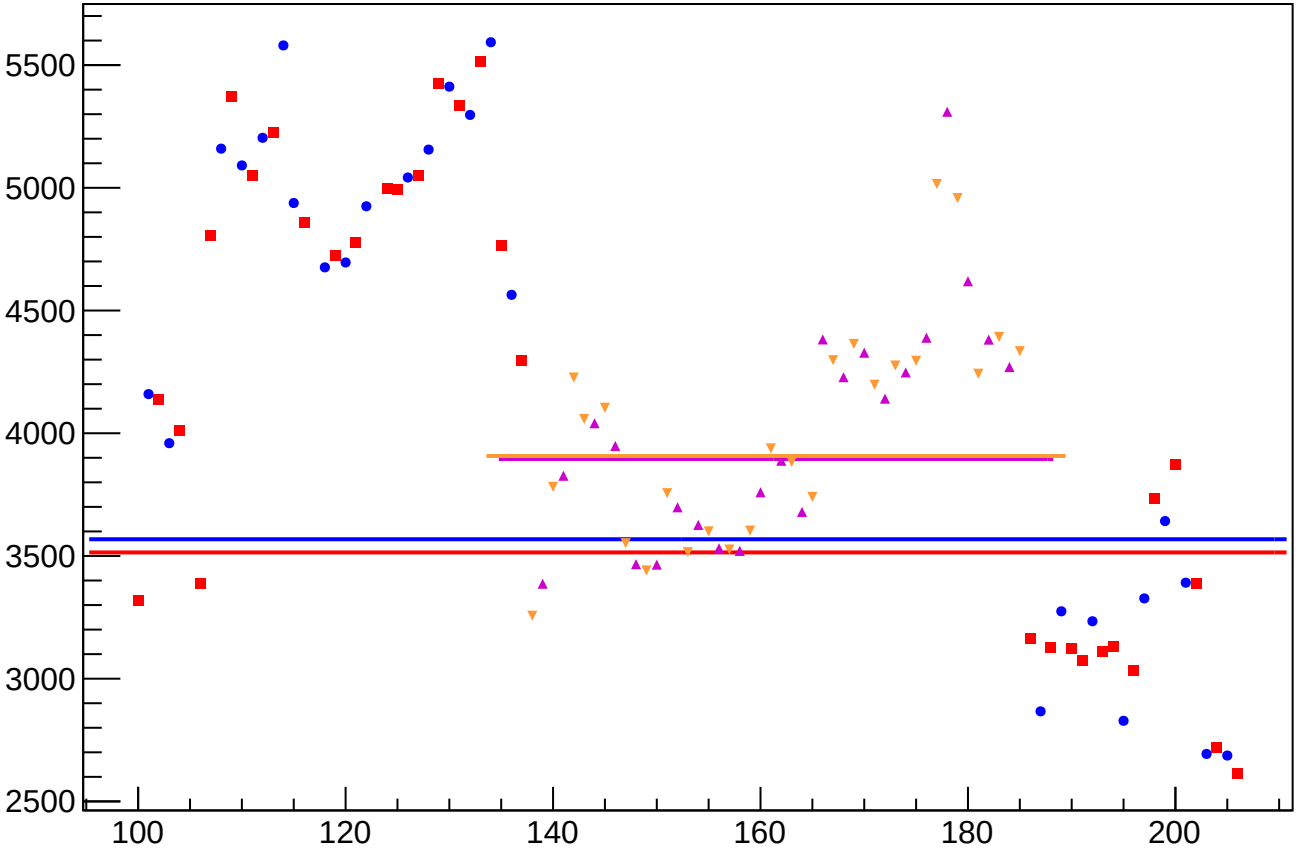
Left In: -1.924+/-0.916 χ^2/NDF:83.2/22

+ sign -1.740+/-0.661 χ^2/NDF: 413.4/49

All: 3.357+/-0.459 χ^2/NDF: 1593.9/103

- sign 8.123+/-0.639 χ^2/NDF: 1065.4/53

diff_bpm0r05Y_rms vs Slug



Right In: 3568.098+/-0.694 χ^2/NDF: 1615588.5/24

Left Out: 3907.465+/-0.632 χ^2/NDF:441202.5/24

Right Out: 3514.463+/-0.630 χ^2/NDF: 1711089.5/30

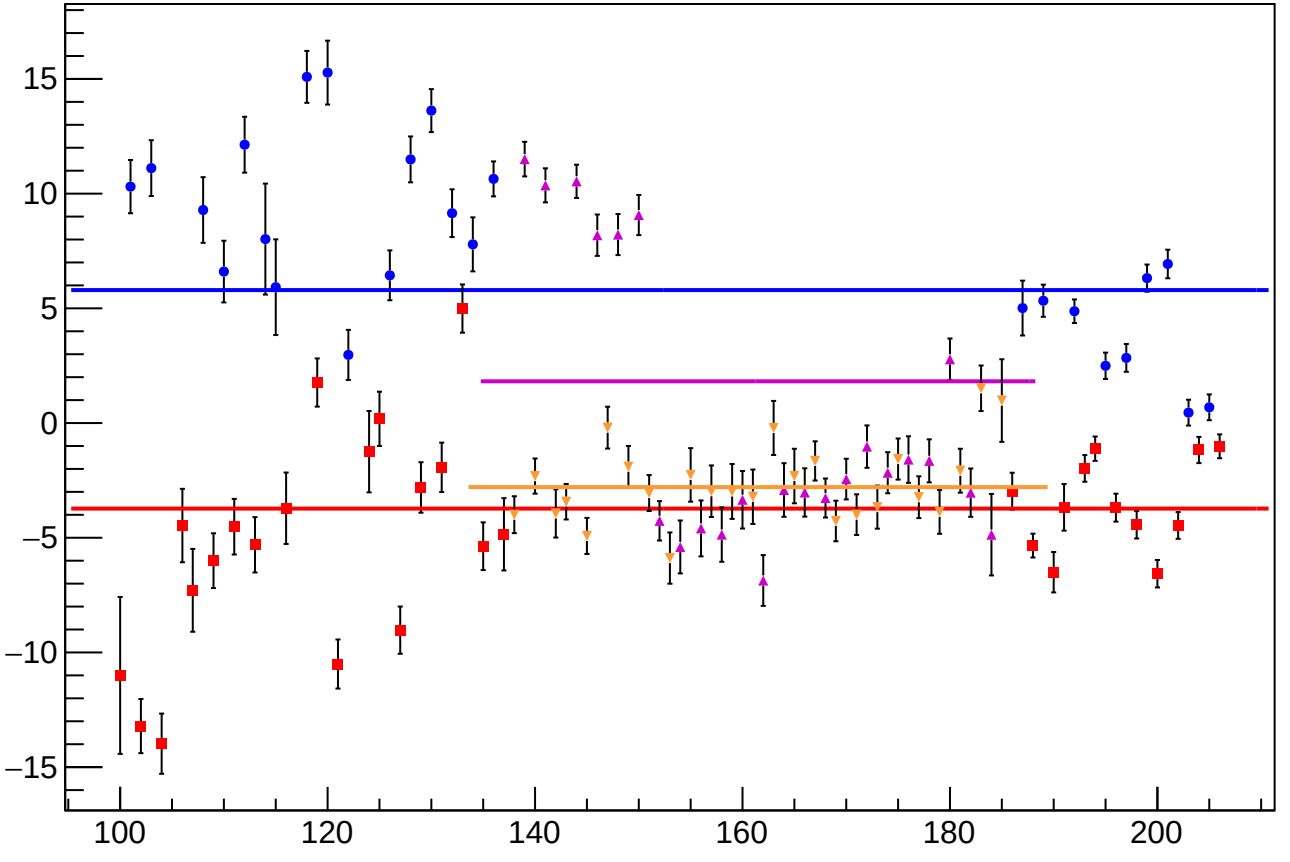
Left In: 3895.108+/-0.648 χ^2/NDF:409913.9/22

+ sign 3753.484+/-0.467 χ^2/NDF: 2187602.1/49

All: 3725.611+/-0.325 χ^2/NDF: 4492830.1/10

- sign 3699.541+/-0.452 χ^2/NDF: 2298338.1/53

diff_bpm2i01X_mean vs Slug



Right In: 5.796+/-0.167 χ^2/NDF: 582.7/24

Left Out: -2.792+/-0.190 χ^2/NDF:68.4/24

Right Out: -3.729+/-0.150 χ^2/NDF: 448.8/30

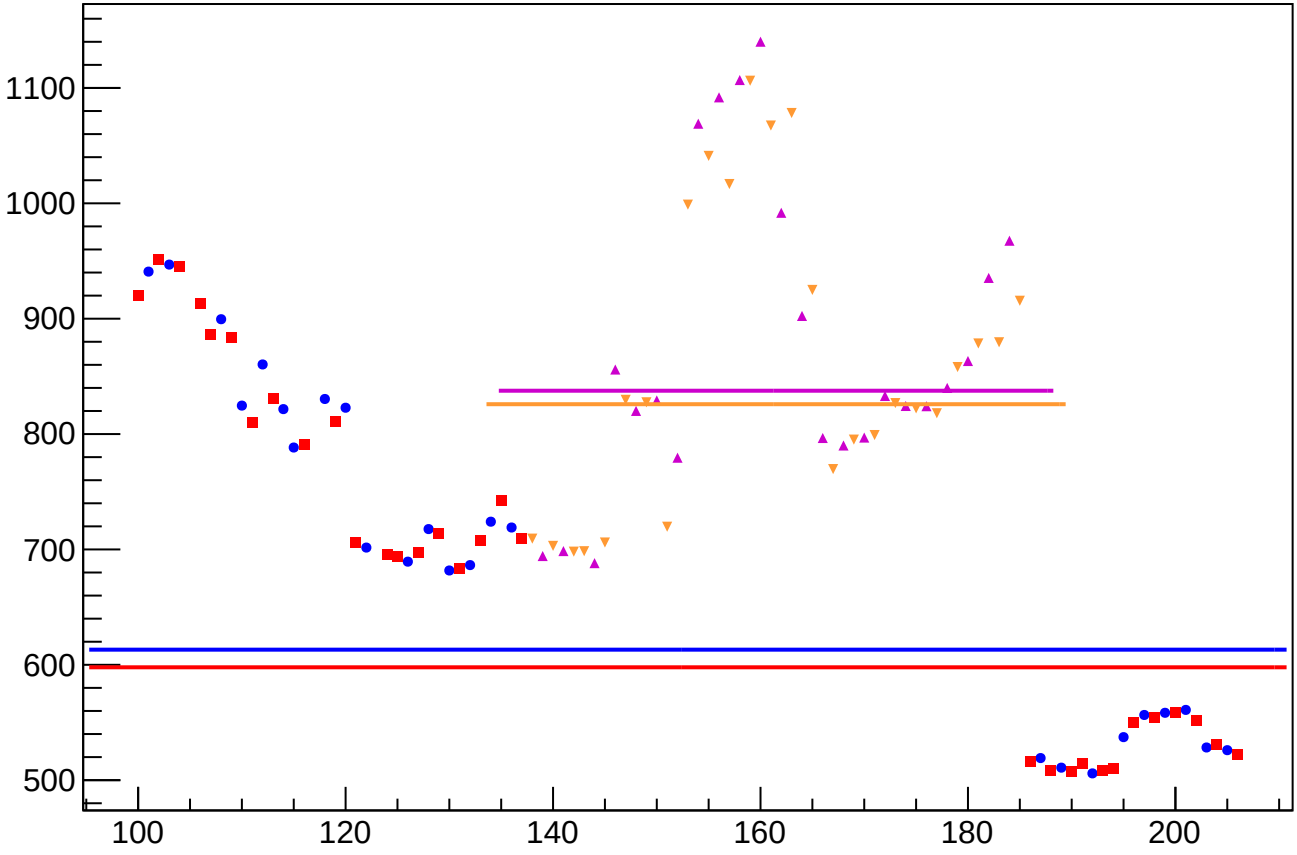
Left In: 1.820+/-0.198 χ^2/NDF:1026.0/22

+ sign 2.066+/-0.125 χ^2/NDF: 1806.0/49

All: 0.096+/-0.087 χ^2/NDF: 4251.8/103

- sign -1.703+/-0.120 χ^2/NDF: 1972.7/53

diff_bpm2i01X_rms vs Slug



Right In: 613.129+/-0.118 χ^2/NDF: 1111046.0/24

Left Out: 825.883+/-0.134 χ^2/NDF:765050.9/24

Right Out: 597.838+/-0.106 χ^2/NDF: 1324602.3/30

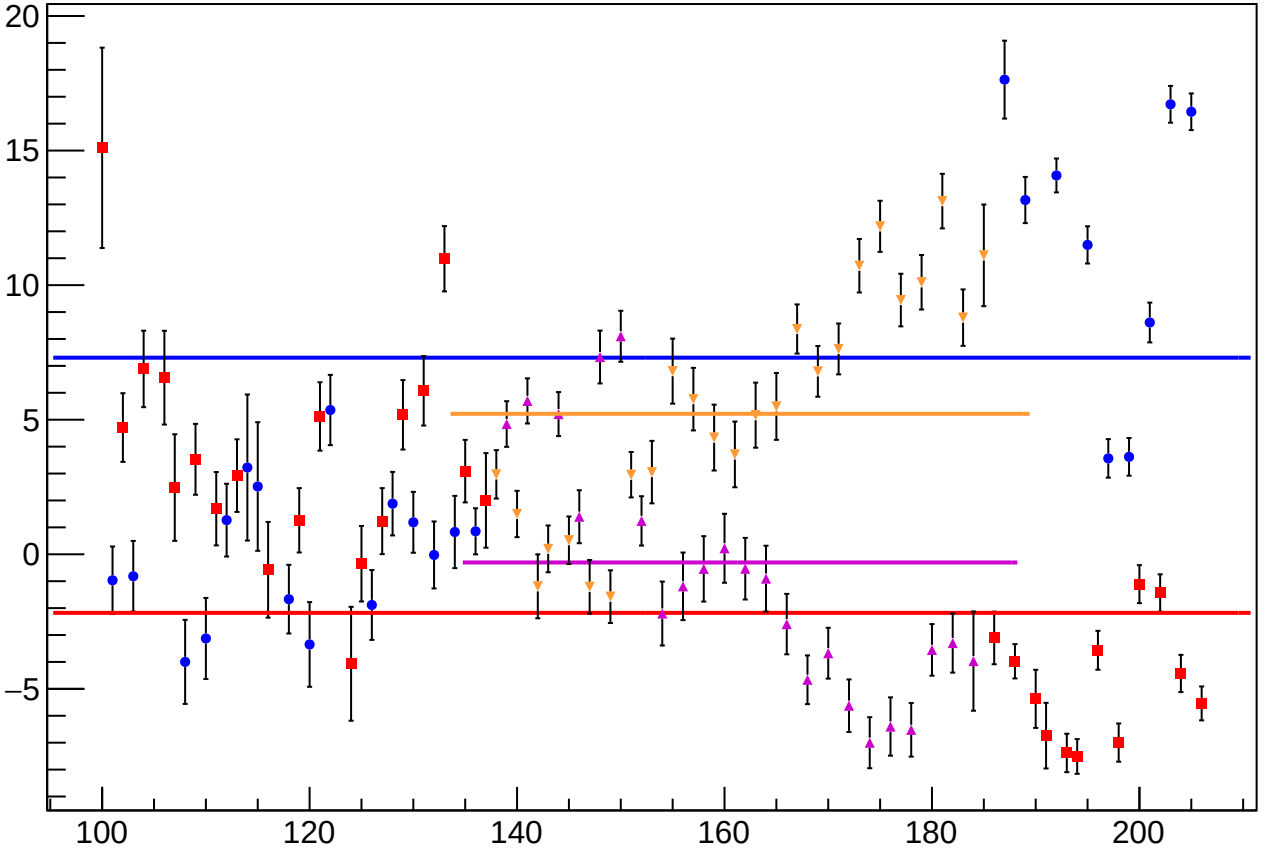
Left In: 837.569+/-0.140 χ^2/NDF:714157.0/22

+ sign 705.530+/-0.089 χ^2/NDF: 3293630.3/49

All: 694.987+/-0.061 χ^2/NDF: 7217938.3/103

- sign 685.354+/-0.085 χ^2/NDF: 3897193.3/53

diff_bpm2i01Y_mean vs Slug



Right In: 7.305+/-0.197 χ^2/NDF: 1198.9/24

Left Out: 5.219+/-0.204 χ^2/NDF:449.9/24

Right Out: -2.177+/-0.178 χ^2/NDF: 678.0/30

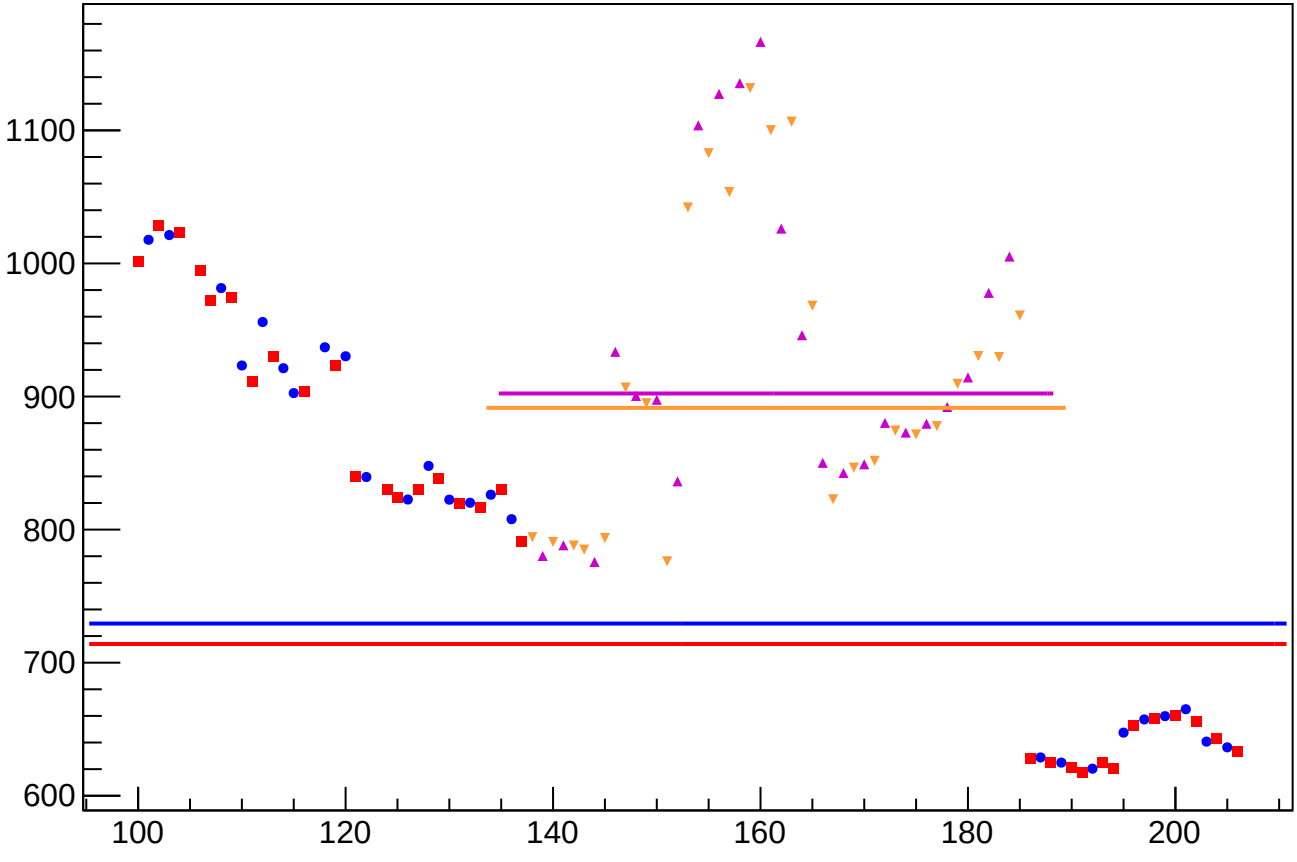
Left In: -0.304+/-0.213 χ^2/NDF:495.2/22

+ sign 6.300+/-0.142 χ^2/NDF: 1702.8/49

All: 2.307+/-0.098 χ^2/NDF: 4450.6/103

- sign -1.403+/-0.137 χ^2/NDF: 1218.7/53

diff_bpm2i01Y_rms vs Slug



Right In: 729.408+/-0.139 χ^2/NDF: 801704.7/24

Left Out: 891.492+/-0.145 χ^2/NDF:517791.6/24

Right Out: 714.035+/-0.126 χ^2/NDF: 957342.3/30

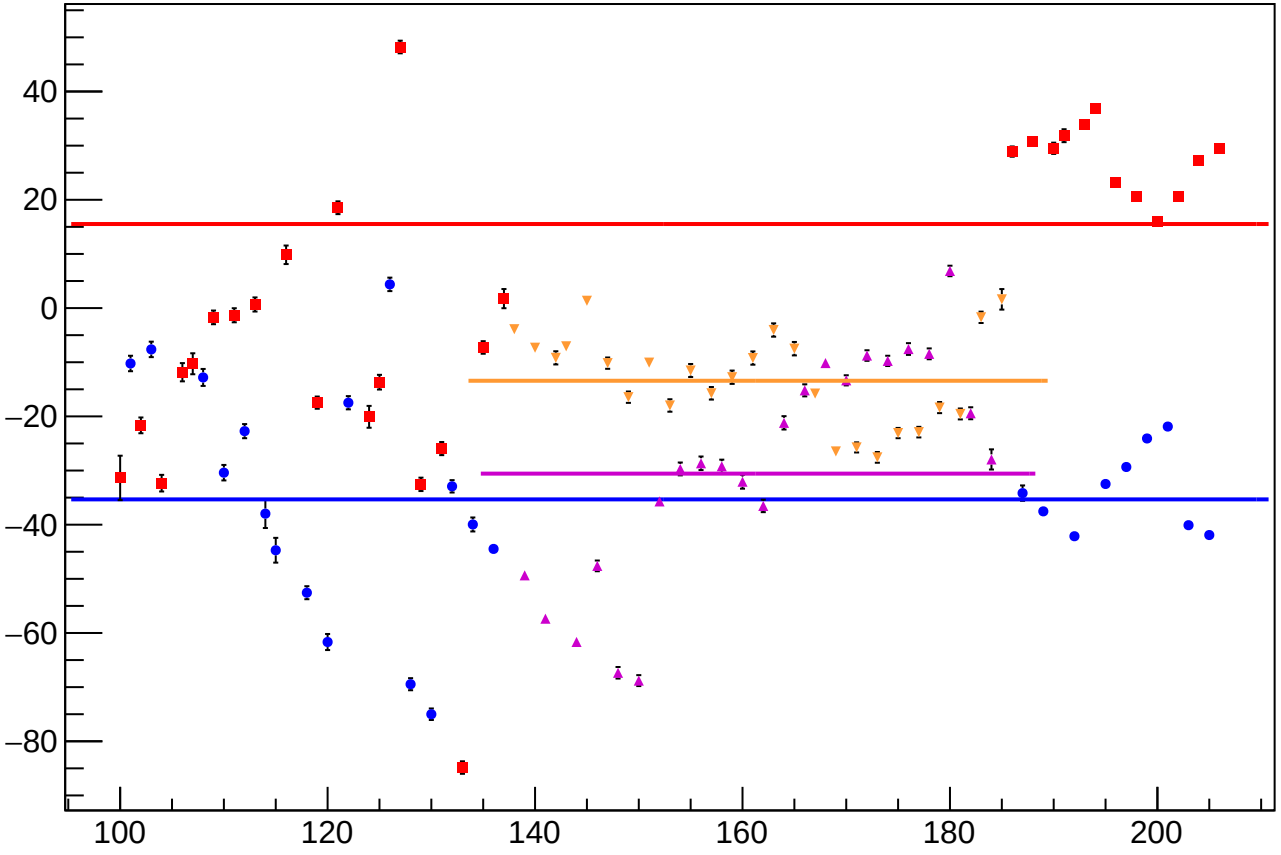
Left In: 902.292+/-0.150 χ^2/NDF:484924.8/22

+ sign 807.487+/-0.100 χ^2/NDF: 1971485.0/49

All: 799.369+/-0.070 χ^2/NDF: 4346068.4/103

- sign 791.828+/-0.097 χ^2/NDF: 2361947.5/53

diff_bpm2i02X_mean vs Slug



Right In: -35.328+/-0.193 χ^2/NDF: 6175.7/24

Left Out: -13.420+/-0.206 χ^2/NDF:1663.3/24

Right Out: 15.525+/-0.175 χ^2/NDF: 19843.4/30

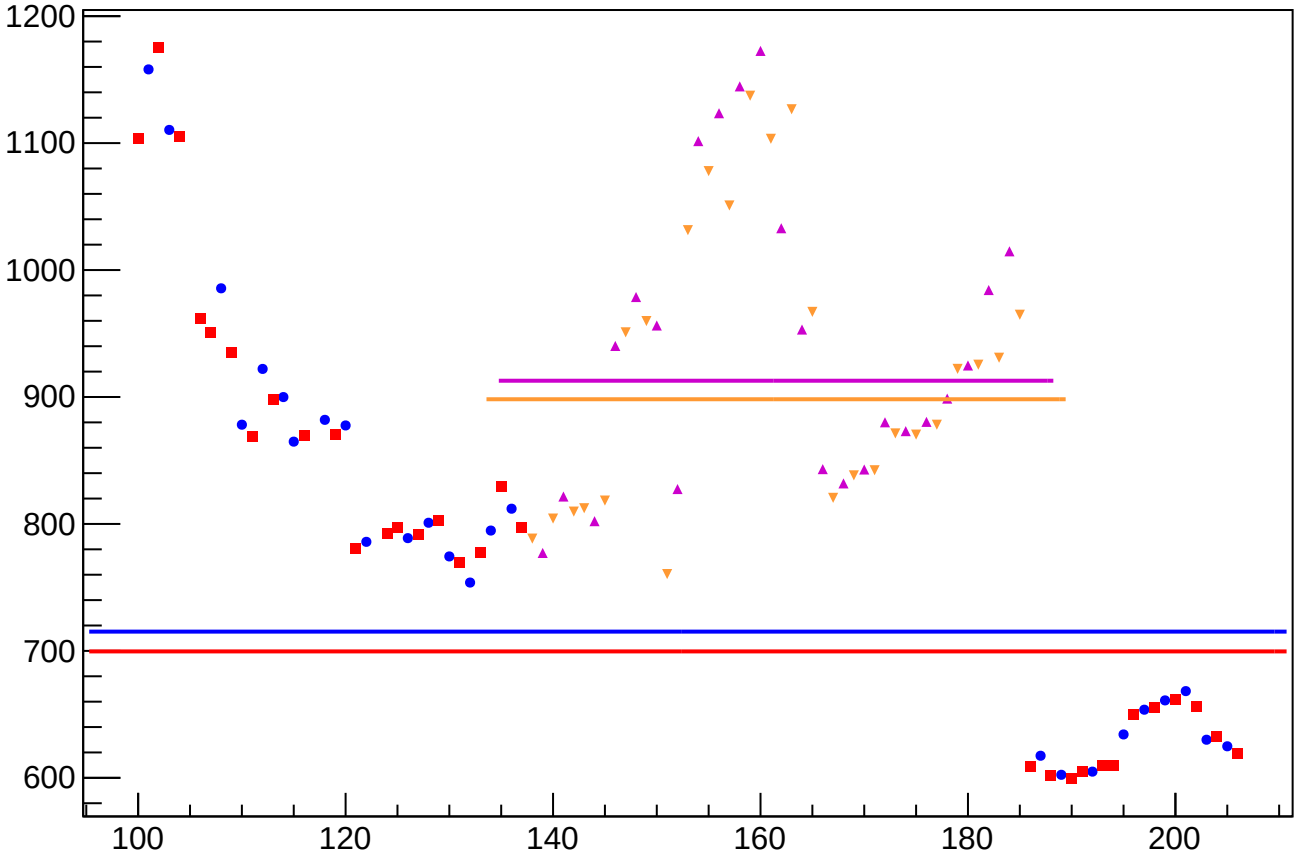
Left In: -30.571+/-0.215 χ^2/NDF:10386.5/22

+ sign -25.062+/-0.141 χ^2/NDF: 13851.8/49

All: -13.525+/-0.098 χ^2/NDF: 84609.8/103

- sign -2.827+/-0.136 χ^2/NDF: 57852.6/53

diff_bpm2i02X_rms vs Slug



Right In: 715.185+/-0.137 χ^2/NDF: 872452.4/24

Left Out: 898.227+/-0.146 χ^2/NDF:518370.6/24

Right Out: 699.592+/-0.124 χ^2/NDF: 1025394.6/30

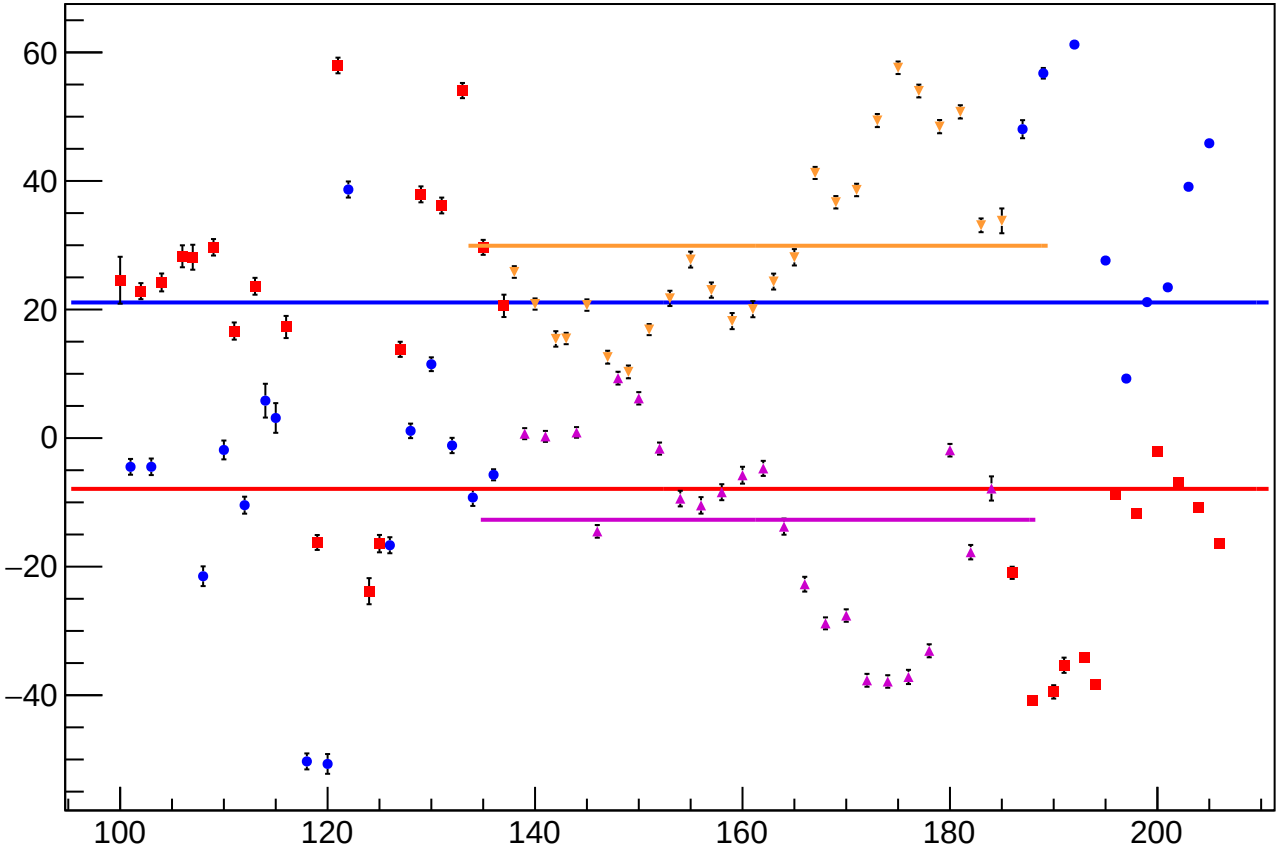
Left In: 912.817+/-0.152 χ^2/NDF:480021.0/22

+ sign 800.960+/-0.100 χ^2/NDF: 2230301.1/49

All: 792.410+/-0.069 χ^2/NDF: 4931942.7/103

- sign 784.481+/-0.096 χ^2/NDF: 2687463.7/53

diff_bpm2i02Y_mean vs Slug



Right In: 21.097+/-0.191 χ^2/NDF: 20491.6/24

Left Out: 29.922+/-0.209 χ^2/NDF:4580.4/24

Right Out: -7.901+/-0.173 χ^2/NDF: 22845.3/30

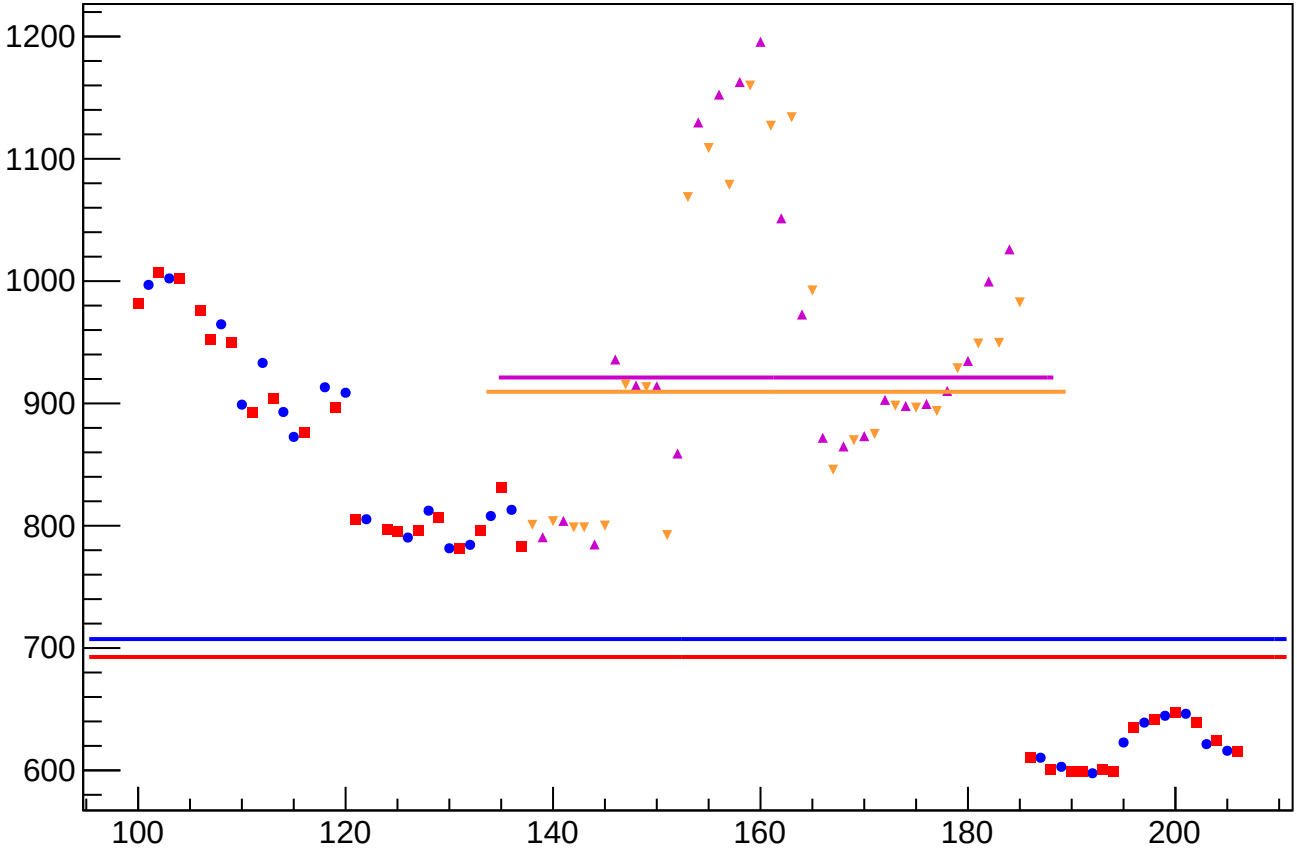
Left In: -12.708+/-0.217 χ^2/NDF:4791.2/22

+ sign 25.126+/-0.141 χ^2/NDF: 26045.1/49

All: 6.979+/-0.098 χ^2/NDF: 85871.6/103

- sign -9.770+/-0.135 χ^2/NDF: 27936.1/53

diff_bpm2i02Y_rms vs Slug



Right In: 707.341+/-0.135 χ^2/NDF: 834093.2/24

Left Out: 909.552+/-0.147 χ^2/NDF:541710.0/24

Right Out: 692.687+/-0.122 χ^2/NDF: 984520.3/30

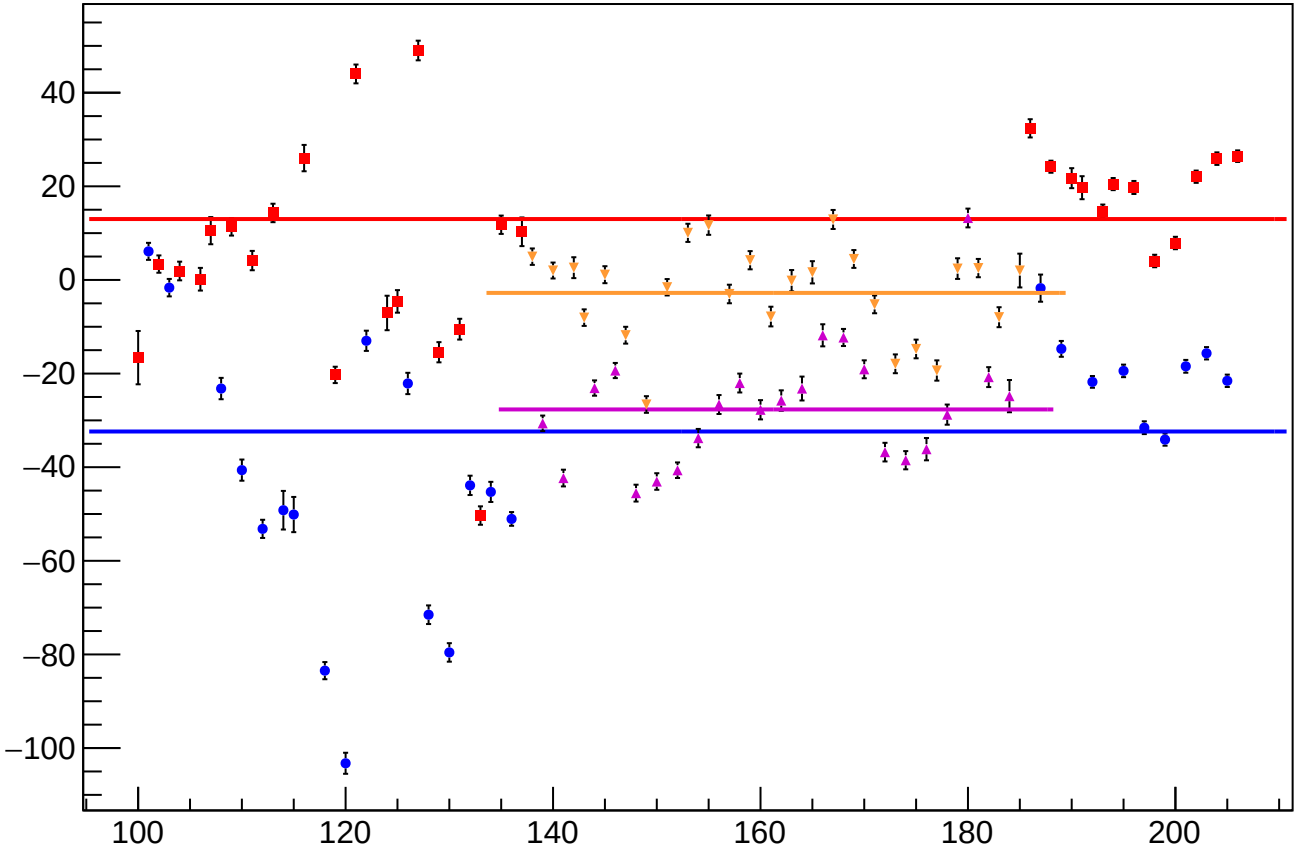
Left In: 921.198+/-0.154 χ^2/NDF:497337.0/22

+ sign 799.653+/-0.100 χ^2/NDF: 2397629.8/49

All: 790.223+/-0.069 χ^2/NDF: 5250772.5/103

- sign 781.520+/-0.096 χ^2/NDF: 2835919.9/53

diff_bpm0i02X_mean vs Slug



Right In: -32.375+/-0.350 χ^2/NDF: 4675.9/24

Left Out: -2.767+/-0.397 χ^2/NDF:616.1/24

Right Out: 13.010+/-0.322 χ^2/NDF: 3032.7/30

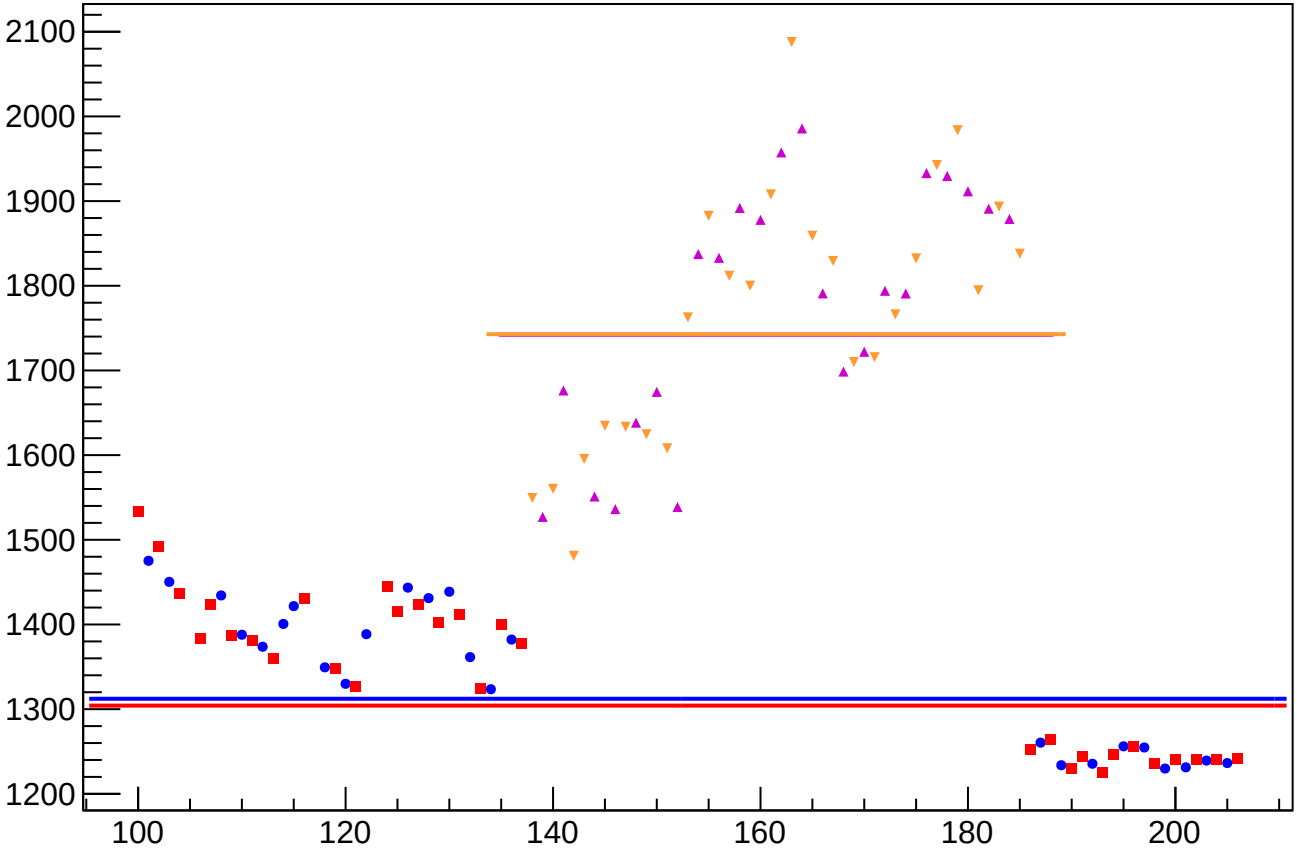
Left In: -27.663+/-0.409 χ^2/NDF:989.9/22

\+ sign -19.442+/-0.263 χ^2/NDF: 8418.1/49

All: -10.676+/-0.182 χ^2/NDF: 20699.9/103

\- sign -2.554+/-0.253 χ^2/NDF: 10135.8/53

diff_bpm0i02X_rms vs Slug



Right In: 1312.283+/-0.247 χ^2/NDF: 117896.8/24

Left Out: 1742.842+/-0.281 χ^2/NDF:263118.4/24

Right Out: 1304.205+/-0.228 χ^2/NDF: 124691.2/30

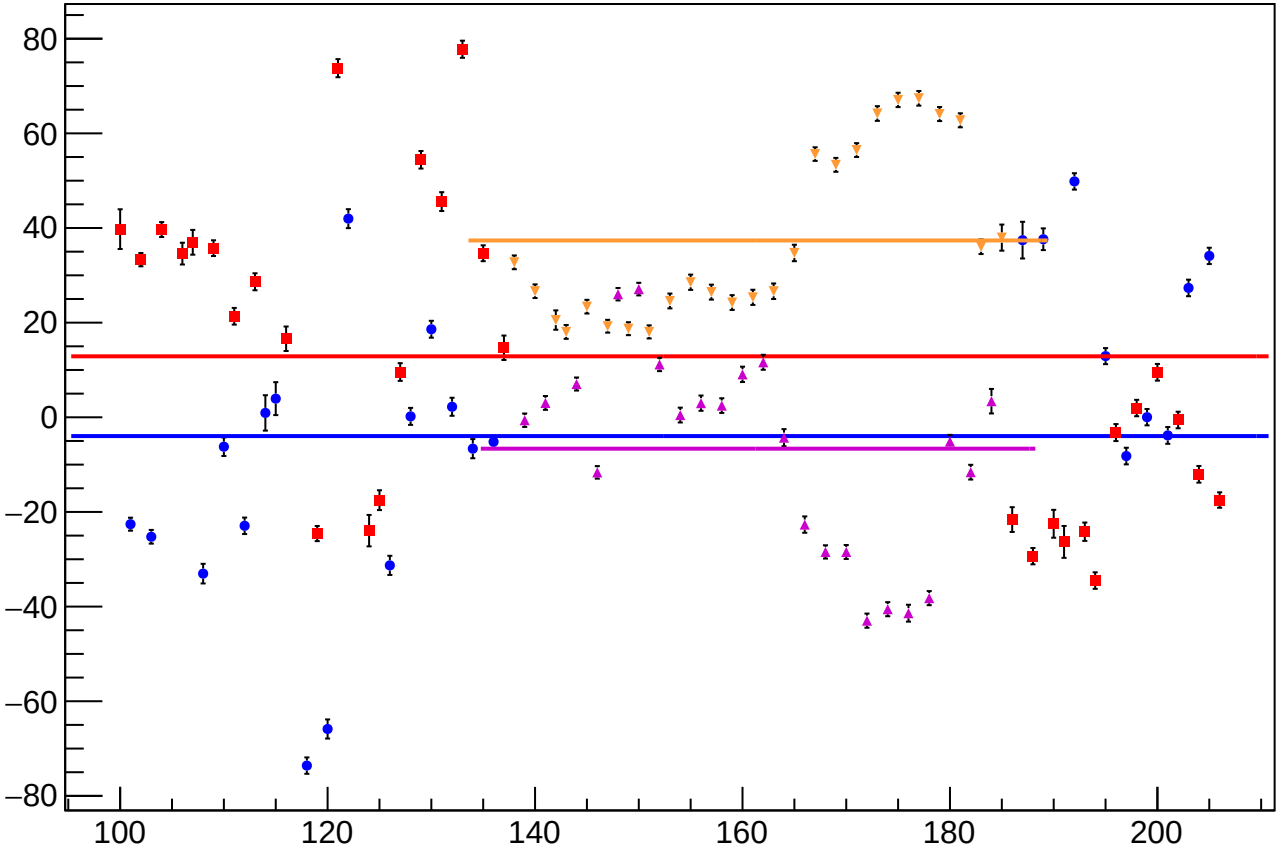
Left In: 1742.153+/-0.289 χ^2/NDF:261606.6/22

+ sign 1500.357+/-0.186 χ^2/NDF: 1703131.9/49

All: 1485.527+/-0.129 χ^2/NDF: 3519280.2/10

- sign 1471.785+/-0.179 χ^2/NDF: 1803864.1/53

diff_bpm0i02Y_mean vs Slug



Right In: -3.968+/-0.368 χ^2/NDF: 6487.4/24

Left Out: 37.369+/-0.308 χ^2/NDF:3395.8/24

Right Out: 12.886+/-0.346 χ^2/NDF: 8012.9/30

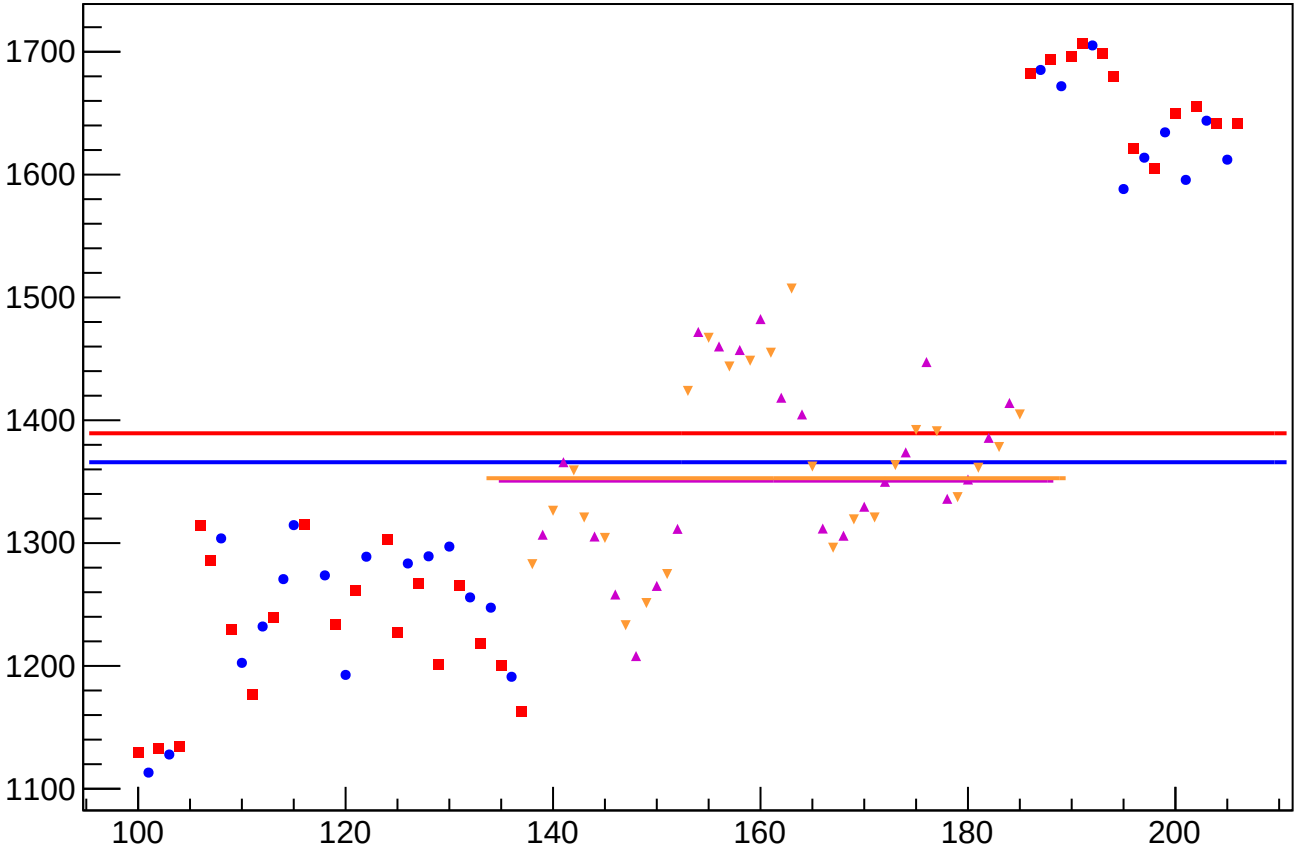
Left In: -6.631+/-0.316 χ^2/NDF:4410.3/22

+ sign 20.330+/-0.236 χ^2/NDF: 17314.3/49

All: 11.184+/-0.166 χ^2/NDF: 34440.0/103

- sign 2.234+/-0.234 χ^2/NDF: 14155.1/53

diff_bpm0i02Y_rms vs Slug



Right In: 1365.837+/-0.260 χ^2/NDF: 608735.4/24

Left Out: 1352.820+/-0.218 χ^2/NDF:104845.3/24

Right Out: 1389.399+/-0.245 χ^2/NDF: 807410.1/30

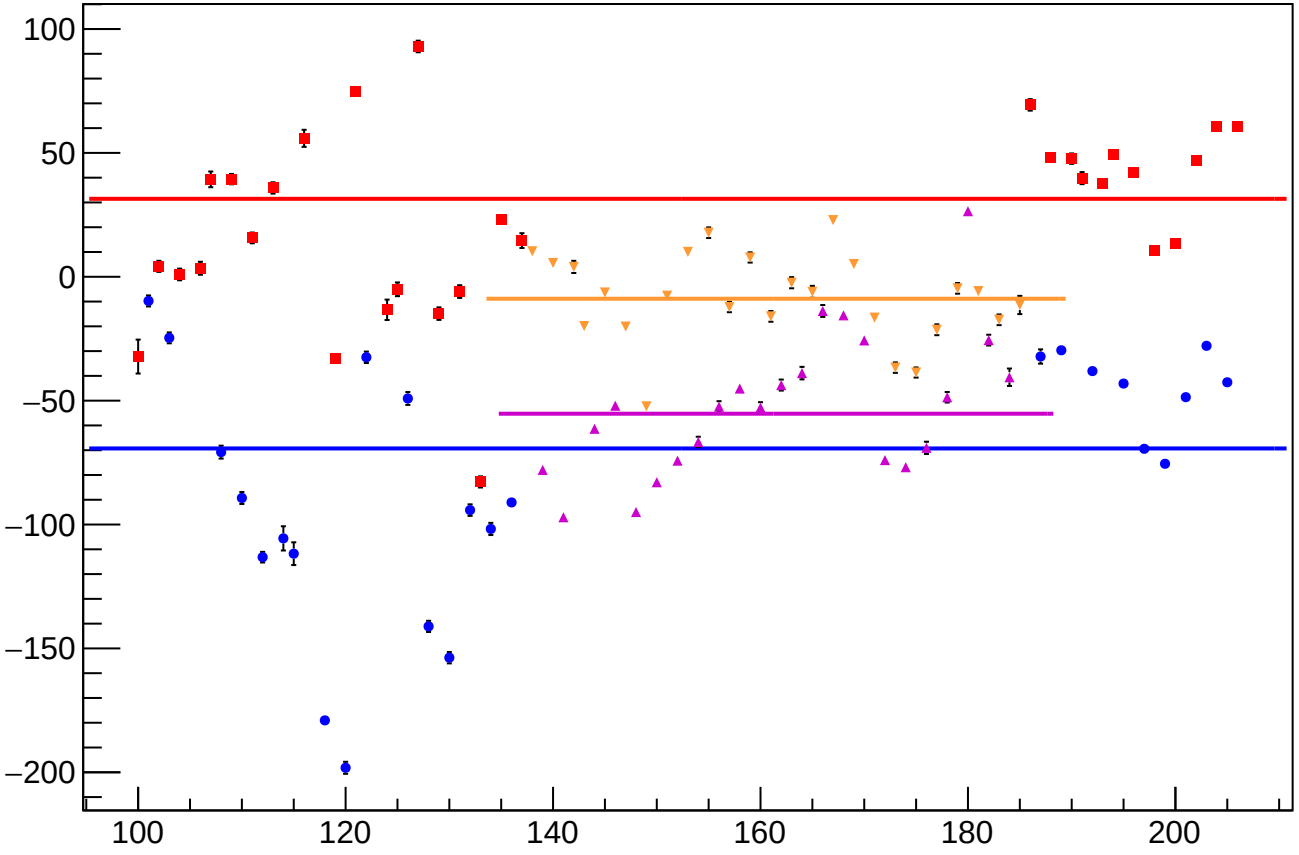
Left In: 1350.830+/-0.223 χ^2/NDF:108618.5/22

+ sign 1358.185+/-0.167 χ^2/NDF: 715054.4/49

All: 1363.322+/-0.117 χ^2/NDF: 1646484.6/10

- sign 1368.349+/-0.165 χ^2/NDF: 929556.0/53

diff_bpm0i02aX_mean vs Slug



Right In: -69.292+/-0.389 χ^2/NDF: 13517.5/24

Left Out: -8.859+/-0.407 χ^2/NDF:1953.2/24

Right Out: 31.468+/-0.355 χ^2/NDF: 8256.6/30

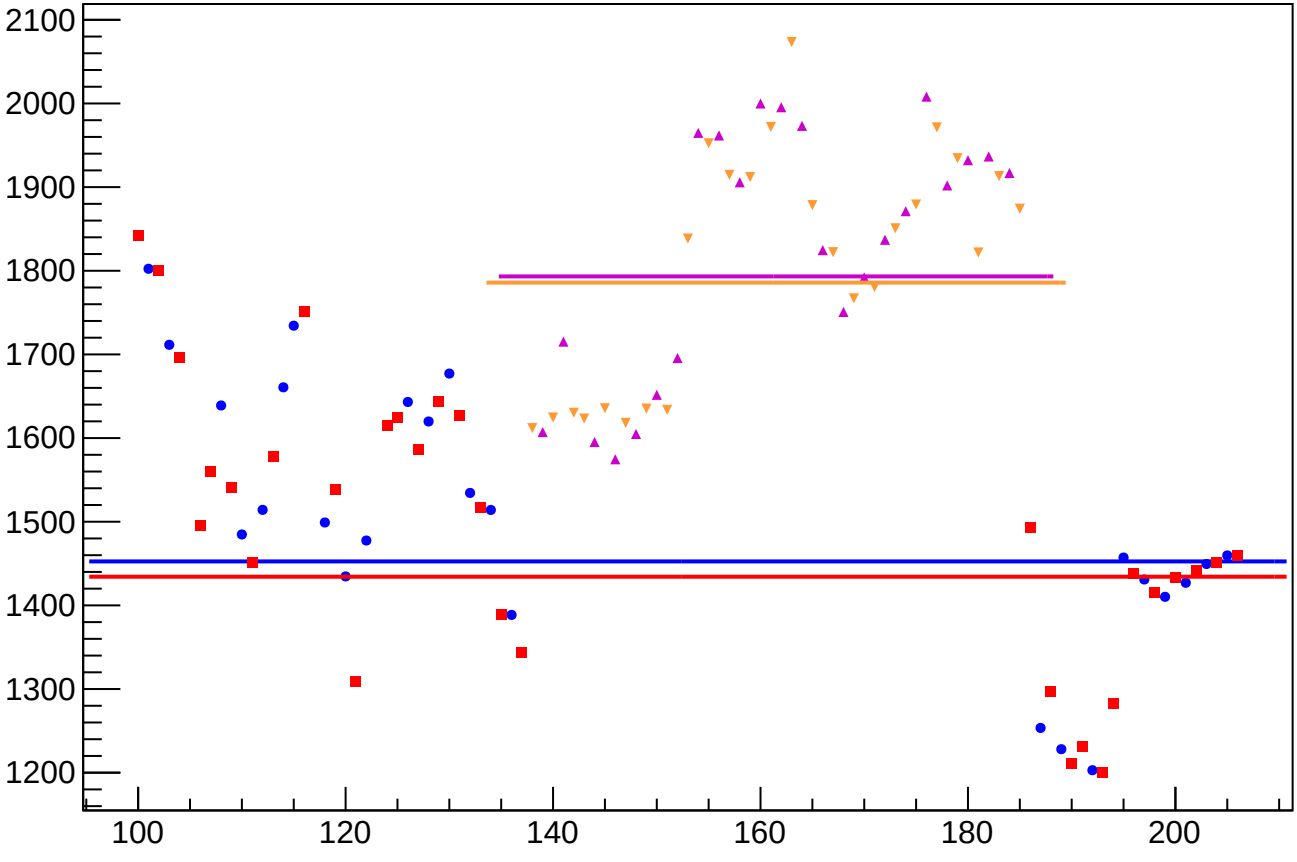
Left In: -55.266+/-0.420 χ^2/NDF:4736.1/22

+ sign -40.485+/-0.281 χ^2/NDF: 26998.3/49

All: -21.917+/-0.195 χ^2/NDF: 73256.0/103

- sign -4.629+/-0.271 χ^2/NDF: 37833.8/53

diff_bpm0i02aX_rms vs Slug



Right In: 1452.554+/-0.275 χ^2/NDF: 281504.2/24

Left Out: 1785.836+/-0.288 χ^2/NDF:237239.4/24

Right Out: 1434.265+/-0.251 χ^2/NDF: 330881.6/30

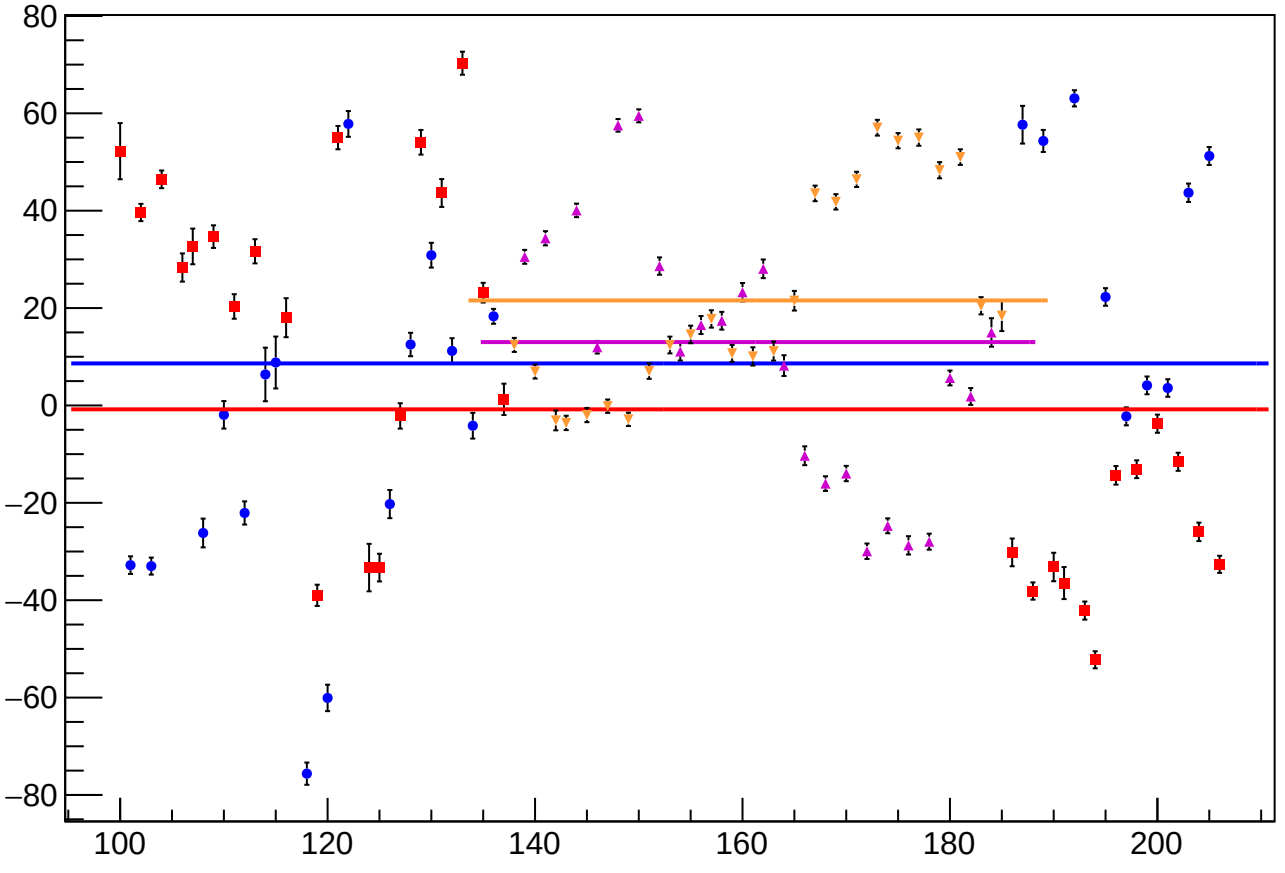
Left In: 1793.249+/-0.297 χ^2/NDF:252788.2/22

+ sign 1611.423+/-0.199 χ^2/NDF: 1219962.3/49

All: 1597.051+/-0.138 χ^2/NDF: 2664795.7/10

- sign 1583.670+/-0.192 χ^2/NDF: 1434739.6/53

diff_bpm0i02aY_mean vs Slug



Right In: 8.629+/-0.441 χ^2/NDF: 6611.5/24

Left Out: 21.567+/-0.330 χ^2/NDF:4160.8/24

Right Out: -0.802+/-0.411 χ^2/NDF: 7525.2/30

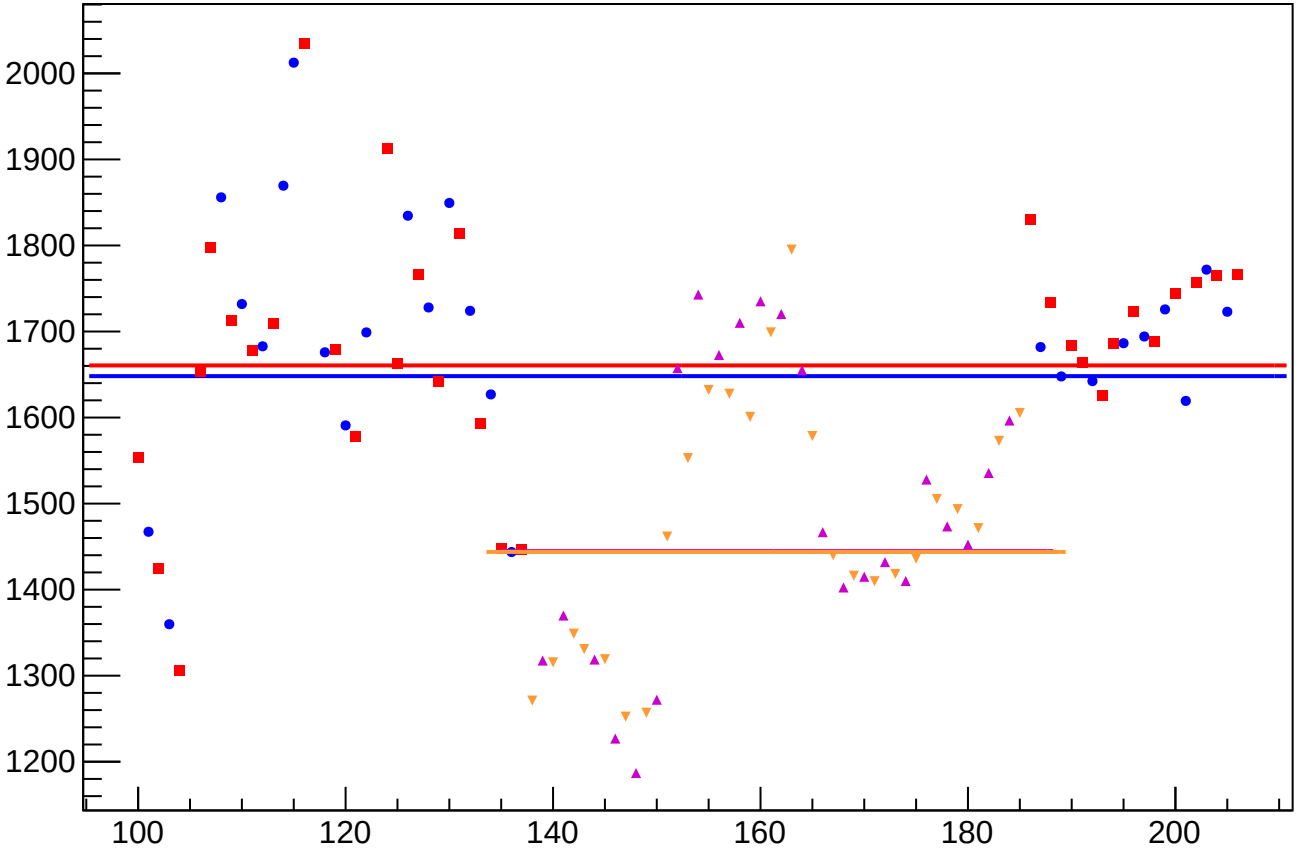
Left In: 13.014+/-0.340 χ^2/NDF:6627.2/22

+ sign 16.921+/-0.264 χ^2/NDF: 11324.4/49

All: 12.118+/-0.186 χ^2/NDF: 26804.1/103

- sign 7.395+/-0.262 χ^2/NDF: 14823.8/53

diff_bpm0i02aY_rms vs Slug



Right In: 1648.132+/-0.312 χ^2/NDF: 179751.8/24

Left Out: 1443.826+/-0.233 χ^2/NDF:352397.9/24

Right Out: 1660.576+/-0.290 χ^2/NDF: 221903.2/30

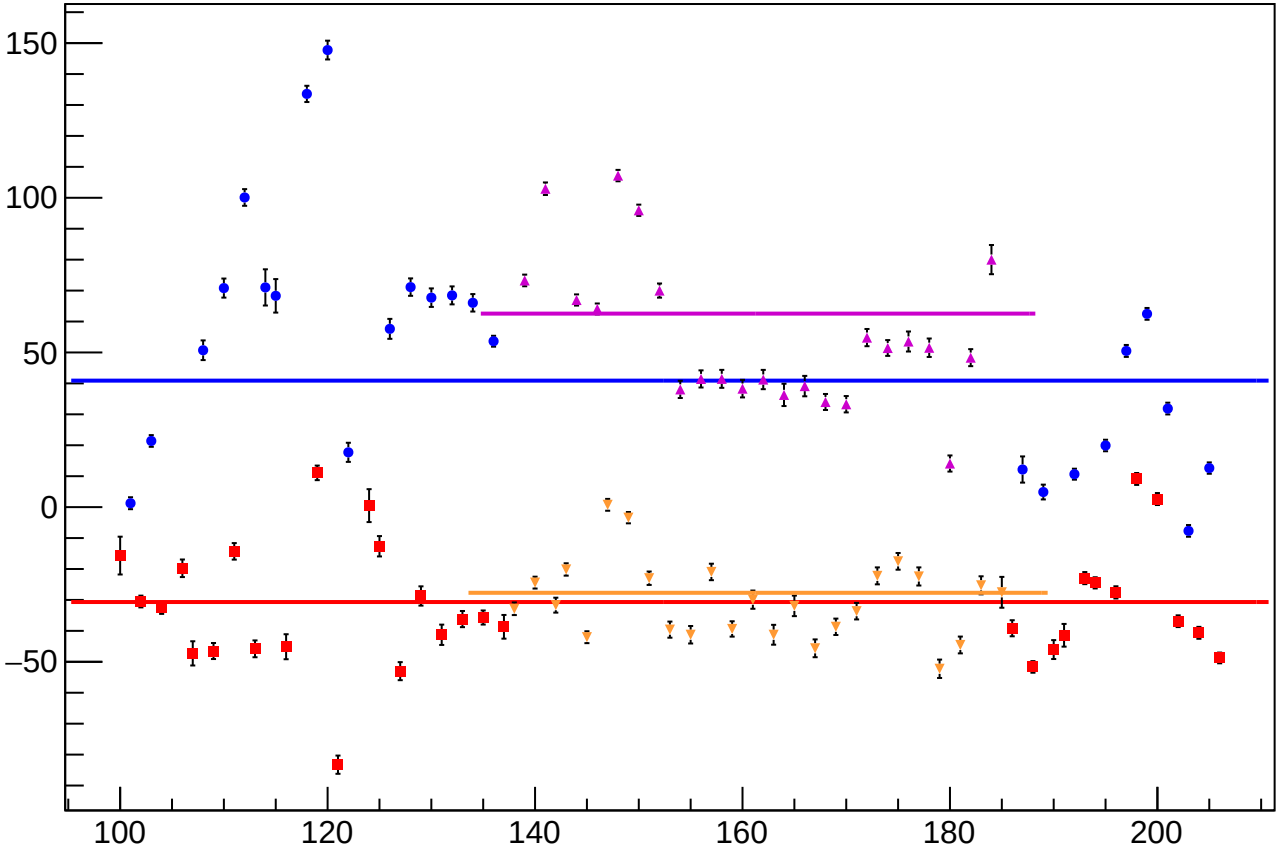
Left In: 1444.817+/-0.240 χ^2/NDF:485230.7/22

+ sign 1517.191+/-0.187 χ^2/NDF: 807562.1/49

All: 1524.944+/-0.132 χ^2/NDF: 1845613.2/10

- sign 1532.568+/-0.185 χ^2/NDF: 1034633.0/53

diff_bpm0i05X_mean vs Slug



Right In: 40.892+/-0.474 χ^2/NDF: 5911.4/24

Left Out: -27.692+/-0.496 χ^2/NDF:766.1/24

Right Out: -30.677+/-0.437 χ^2/NDF: 2005.8/30

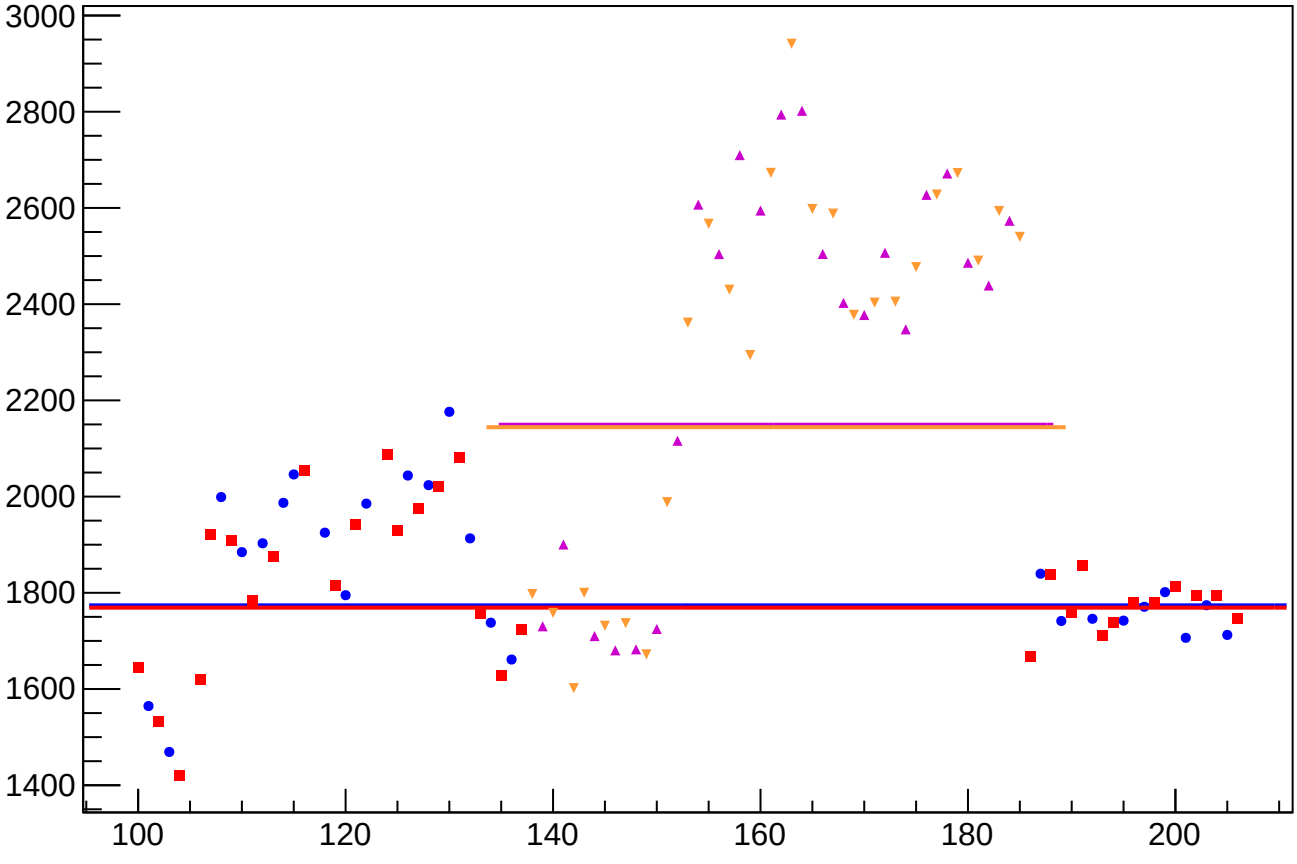
Left In: 62.558+/-0.512 χ^2/NDF:2458.2/22

+ sign 8.131+/-0.343 χ^2/NDF: 16663.2/49

All: 8.405+/-0.239 χ^2/NDF: 40315.2/103

- sign 8.663+/-0.332 χ^2/NDF: 23650.8/53

diff_bpm0i05X_rms vs Slug



Right In: 1773.902+/-0.335 χ^2/NDF: 202550.3/24

Left Out: 2144.219+/-0.351 χ^2/NDF:1279852.9/24

Right Out: 1769.123+/-0.309 χ^2/NDF: 201387.9/30

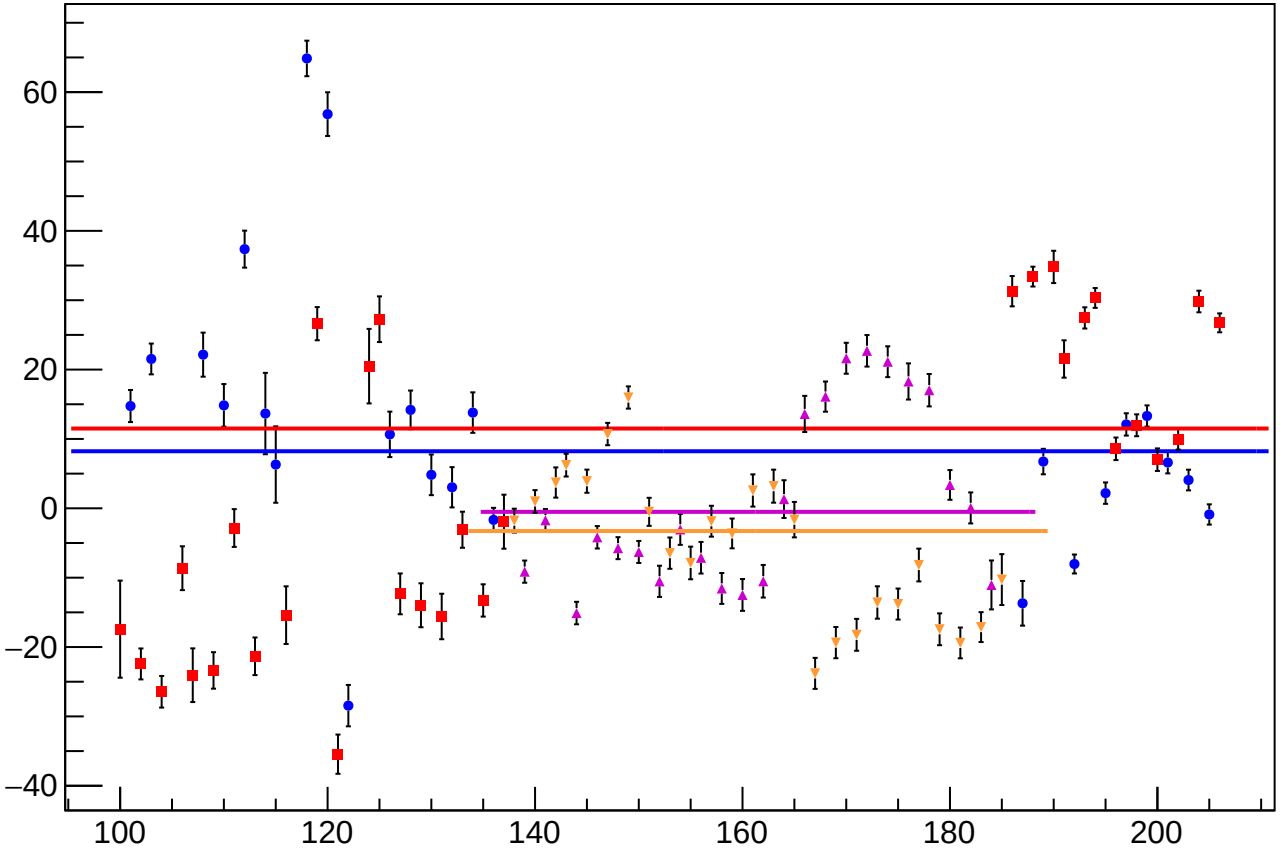
Left In: 2149.354+/-0.362 χ^2/NDF:1265722.5/22

+ sign 1950.796+/-0.242 χ^2/NDF: 2064643.2/49

All: 1939.851+/-0.169 χ^2/NDF: 4173942.8/10

- sign 1929.560+/-0.235 χ^2/NDF: 2105344.6/53

diff_bpm0i05Y_mean vs Slug



Right In: 8.227+/-0.424 χ^2/NDF: 1379.6/24

Left Out: -3.275+/-0.415 χ^2/NDF:671.1/24

Right Out: 11.502+/-0.387 χ^2/NDF: 2725.8/30

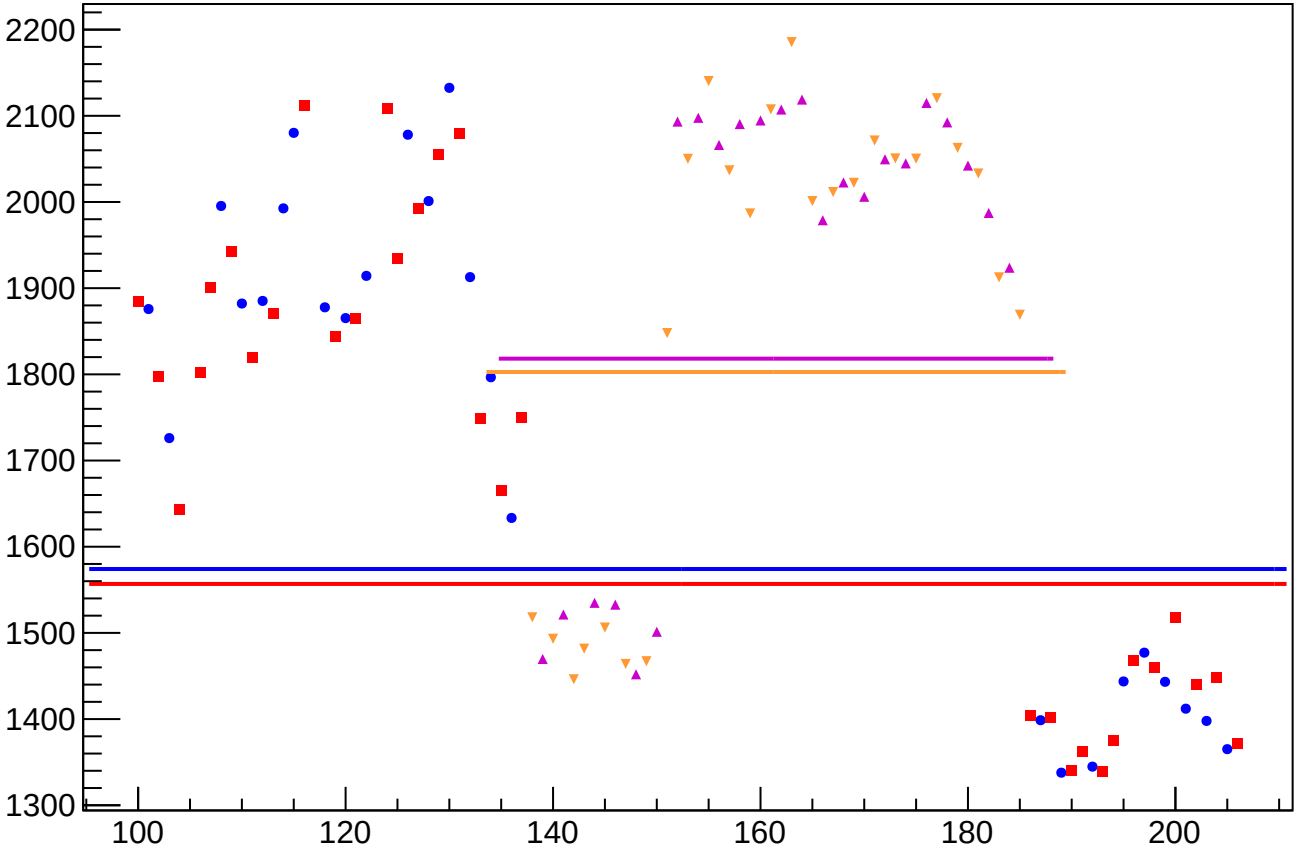
Left In: -0.511+/-0.430 χ^2/NDF:745.8/22

+ sign 2.345+/-0.297 χ^2/NDF: 2426.7/49

All: 4.287+/-0.207 χ^2/NDF: 6412.5/103

- sign 6.116+/-0.288 χ^2/NDF: 3902.5/53

diff_bpm0i05Y_rms vs Slug



Right In: 1574.125+/-0.300 χ^2/NDF: 653781.4/24

Left Out: 1802.748+/-0.293 χ^2/NDF:897375.1/24

Right Out: 1556.812+/-0.274 χ^2/NDF: 652724.7/30

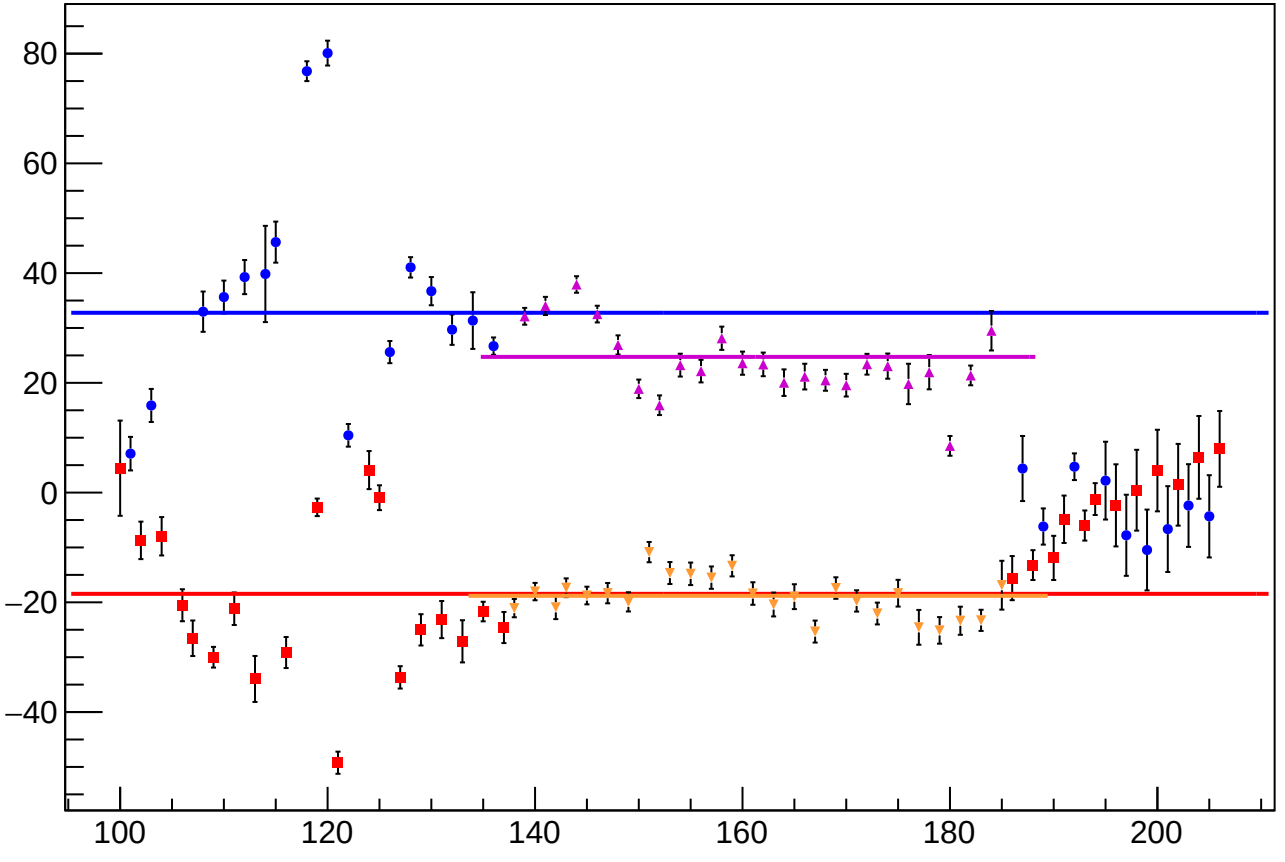
Left In: 1818.225+/-0.304 χ^2/NDF:840353.0/22

+ sign 1691.049+/-0.210 χ^2/NDF: 1848227.5/49

All: 1682.280+/-0.146 χ^2/NDF: 3752874.2/10

- sign 1674.020+/-0.203 χ^2/NDF: 1901249.9/53

diff_bpm0i07X_mean vs Slug



Right In: 32.770+/-0.579 χ^2/NDF: 1767.2/24

Left Out: -18.816+/-0.402 χ^2/NDF:74.9/24

Right Out: -18.453+/-0.533 χ^2/NDF: 731.5/30

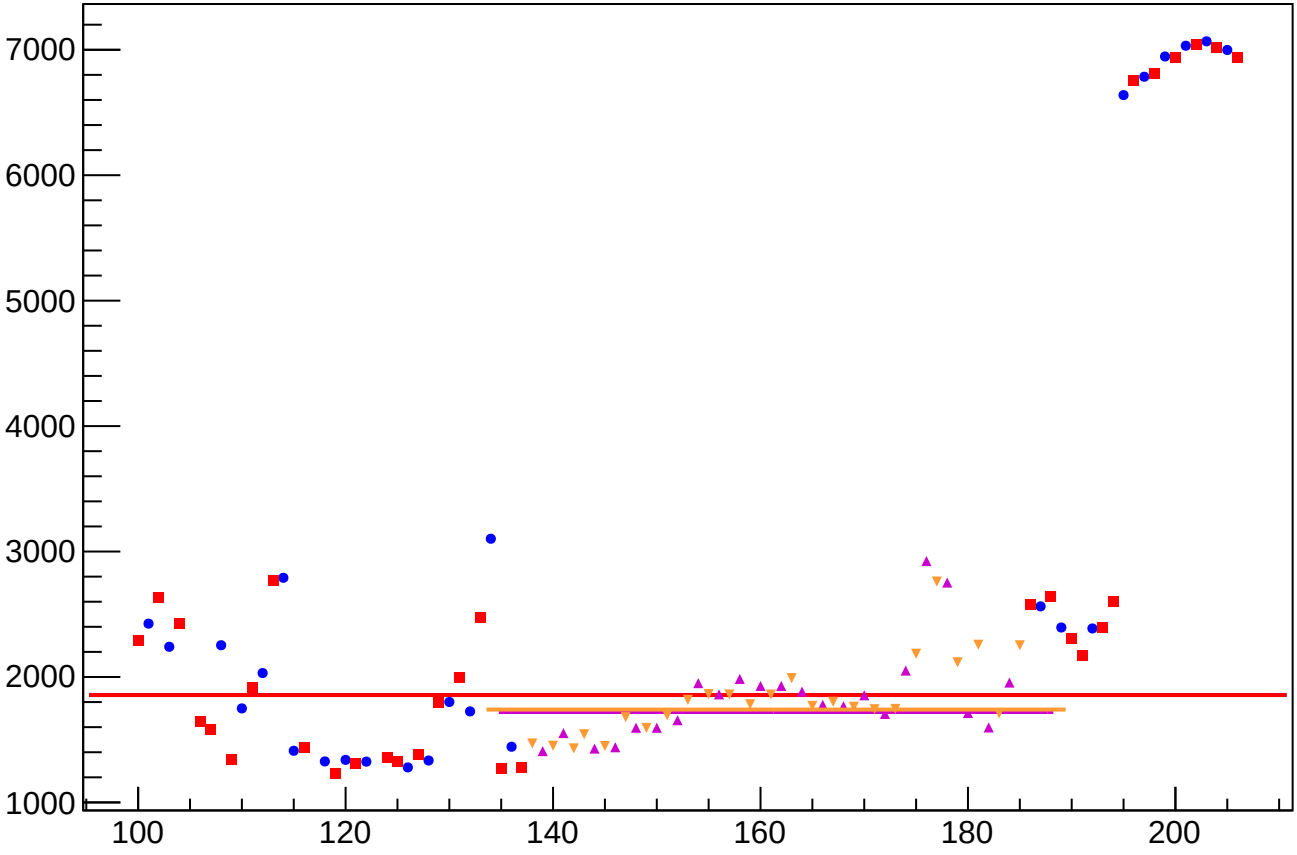
Left In: 24.731+/-0.409 χ^2/NDF:308.0/22

+ sign -2.055+/-0.330 χ^2/NDF: 7194.3/49

All: 3.439+/-0.231 χ^2/NDF: 12910.5/103

- sign 8.740+/-0.324 χ^2/NDF: 5172.4/53

diff_bpm0i07X_rms vs Slug



Right In: 1856.486+/-0.410 χ^2/NDF: 6876364.7/24

Left Out: 1740.089+/-0.284 χ^2/NDF:753377.5/24

Right Out: 1855.889+/-0.377 χ^2/NDF: 7708820.2/30

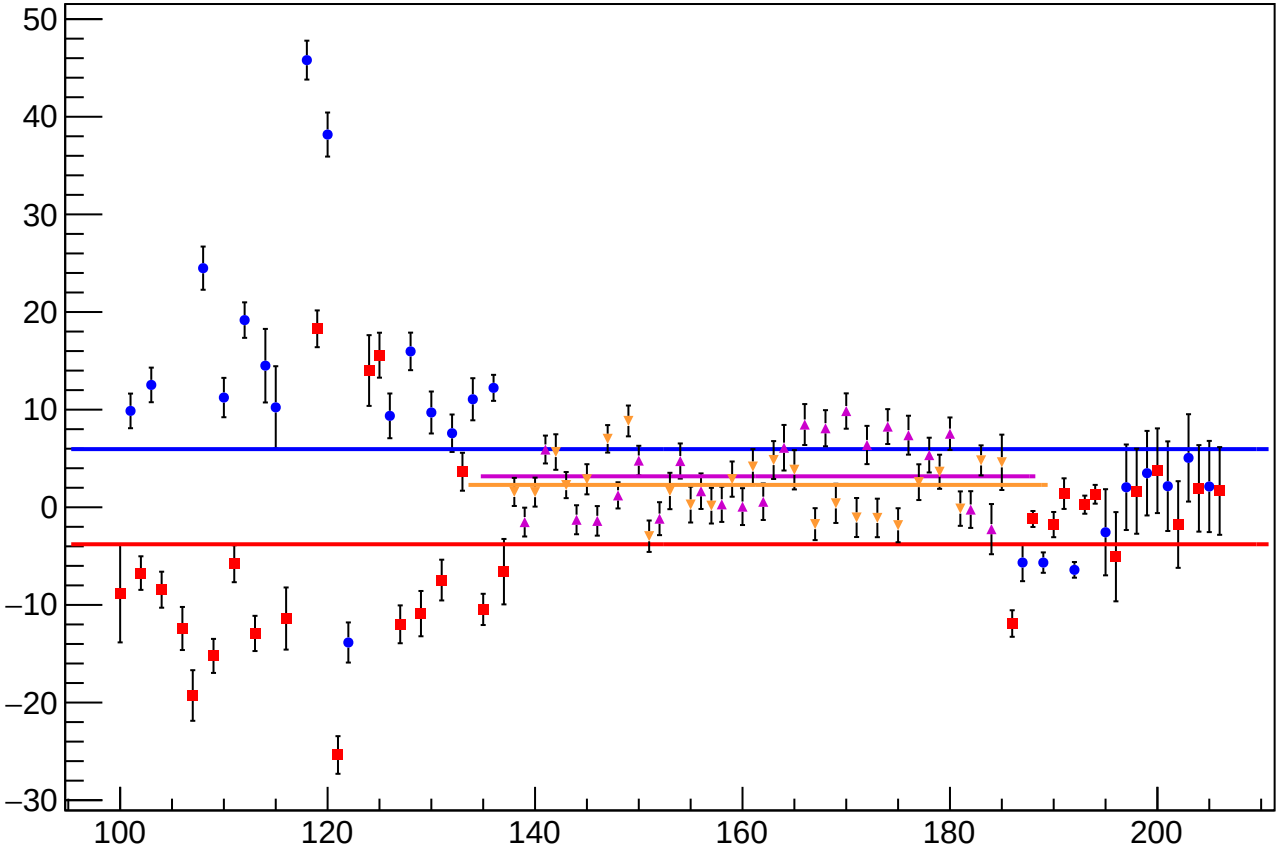
Left In: 1720.864+/-0.289 χ^2/NDF:883990.4/22

+ sign 1777.907+/-0.234 χ^2/NDF: 7684240.8/49

All: 1774.323+/-0.164 χ^2/NDF: 16358320.8/1

- sign 1770.864+/-0.229 χ^2/NDF: 8673617.1/53

diff_bpm0i07Y_mean vs Slug



Right In: 5.957+/-0.379 χ^2/NDF: 1316.4/24

Left Out: 2.293+/-0.343 χ^2/NDF:73.5/24

Right Out: -3.787+/-0.318 χ^2/NDF: 671.9/30

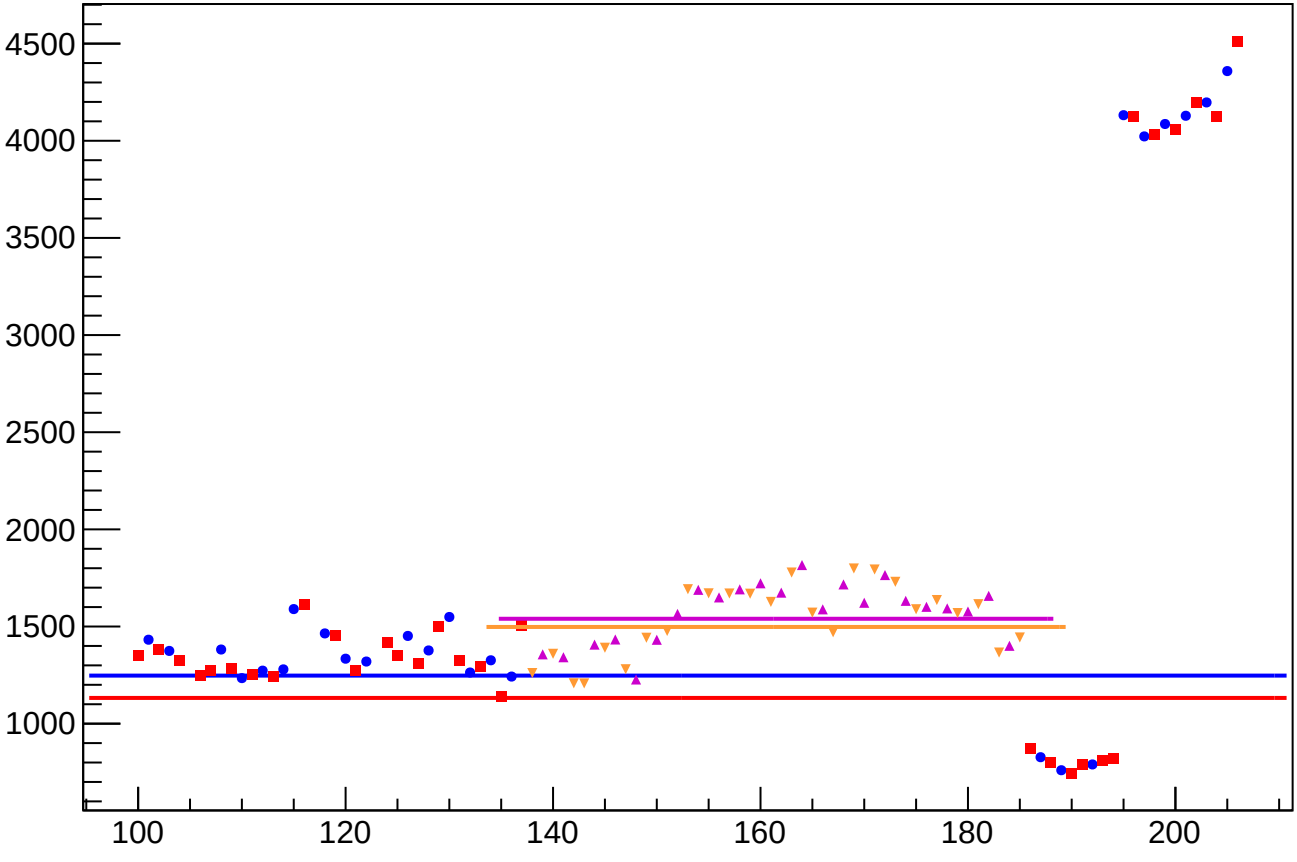
Left In: 3.173+/-0.362 χ^2/NDF:110.4/22

+ sign 3.946+/-0.254 χ^2/NDF: 1441.2/49

All: 1.449+/-0.174 χ^2/NDF: 2613.2/103

- sign -0.757+/-0.239 χ^2/NDF: 990.5/53

diff_bpm0i07Y_rms vs Slug



Right In: 1247.370+/-0.268 χ^2/NDF: 6392478.1/24

Left Out: 1497.713+/-0.243 χ^2/NDF:568629.4/24

Right Out: 1132.450+/-0.225 χ^2/NDF: 7158010.1/30

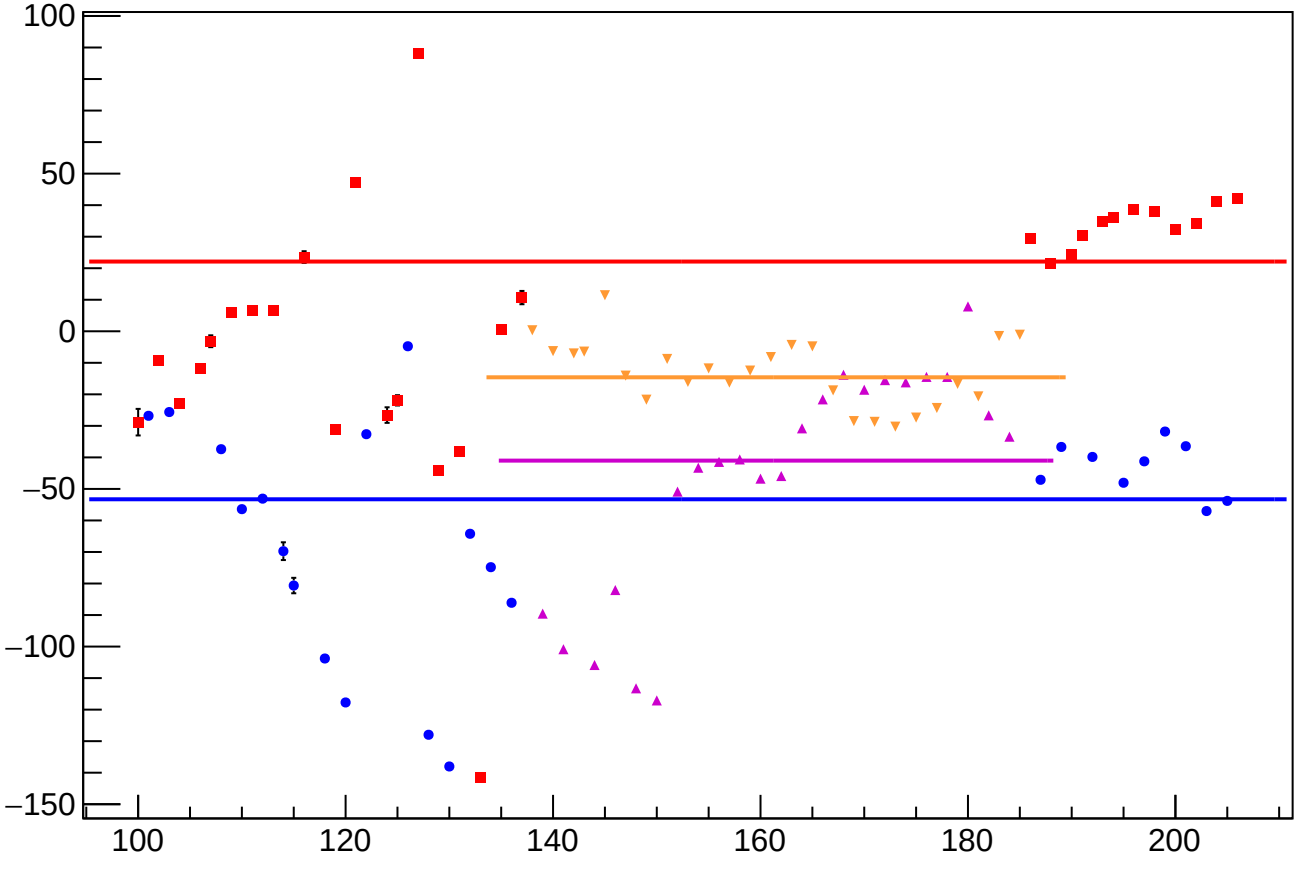
Left In: 1539.884+/-0.256 χ^2/NDF:380330.7/22

+ sign 1384.746+/-0.180 χ^2/NDF: 7440547.4/49

All: 1344.962+/-0.123 χ^2/NDF: 16498132.9/1

- sign 1309.820+/-0.169 χ^2/NDF: 8965496.5/53

diff_bpm1i02X_mean vs Slug



Right In: -53.285+/-0.201 χ^2/NDF: 17757.4/24

Left Out: -14.597+/-0.183 χ^2/NDF:3159.3/24

Right Out: 22.114+/-0.182 χ^2/NDF: 32087.2/30

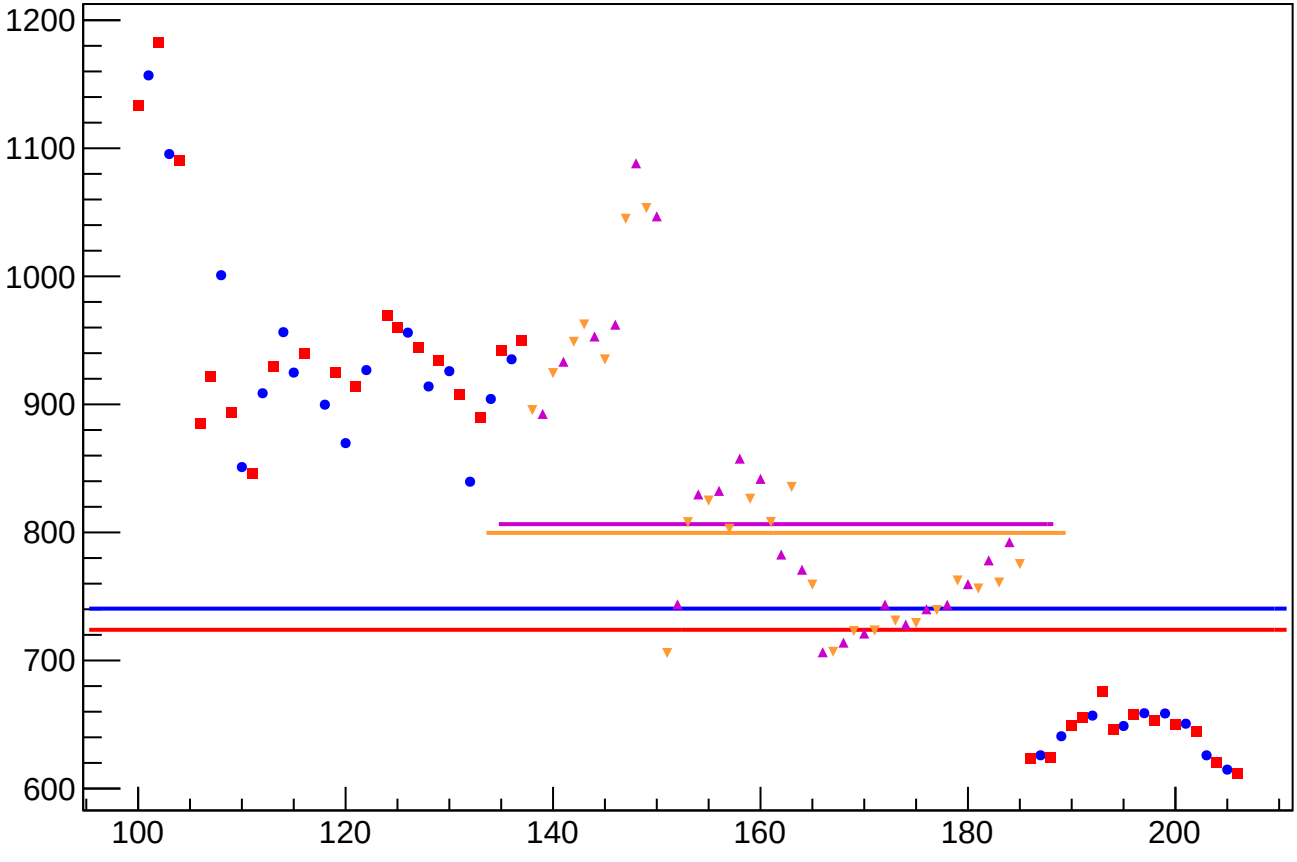
Left In: -41.021+/-0.190 χ^2/NDF:31066.6/22

+ sign -32.131+/-0.135 χ^2/NDF: 41184.4/49

All: -19.737+/-0.094 χ^2/NDF: 178389.3/103

- sign -8.073+/-0.131 χ^2/NDF: 120910.2/53

diff_bpm1i02X_rms vs Slug



Right In: 740.501+/-0.142 χ^2/NDF: 1058824.3/24

Left Out: 799.639+/-0.129 χ^2/NDF:497430.7/24

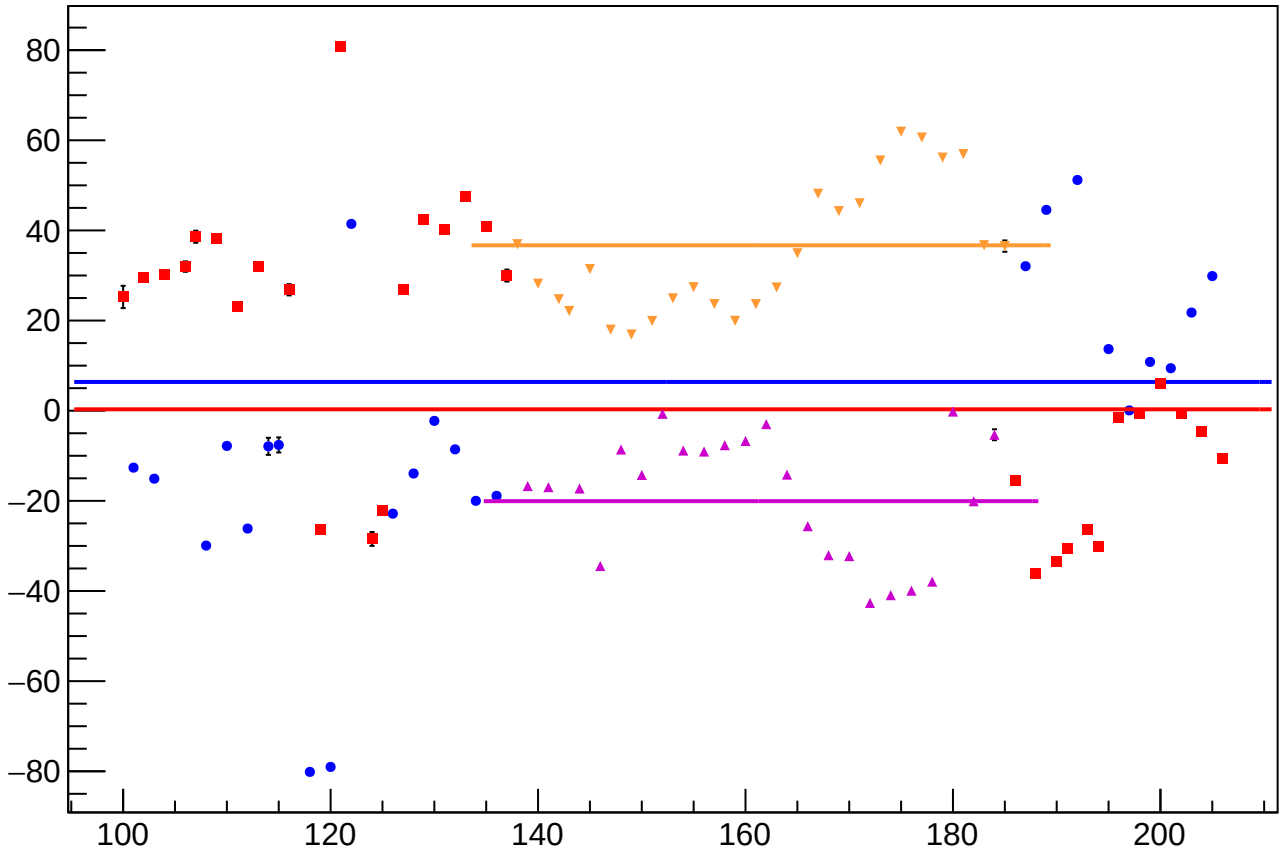
Right Out: 723.970+/-0.128 χ^2/NDF: 1218470.3/30

Left In: 806.478+/-0.134 χ^2/NDF:511294.8/22

+ sign 772.836+/-0.096 χ^2/NDF: 1650974.8/49

All: 767.985+/-0.067 χ^2/NDF: 3583009.4/103

- sign 763.420+/-0.093 χ^2/NDF: 1927042.3/53



Right In: 6.385+/-0.146 χ^2/NDF: 41330.1/24

Left Out: 36.705+/-0.145 χ^2/NDF:10231.1/24

Right Out: 0.310+/-0.133 χ^2/NDF: 43630.8/30

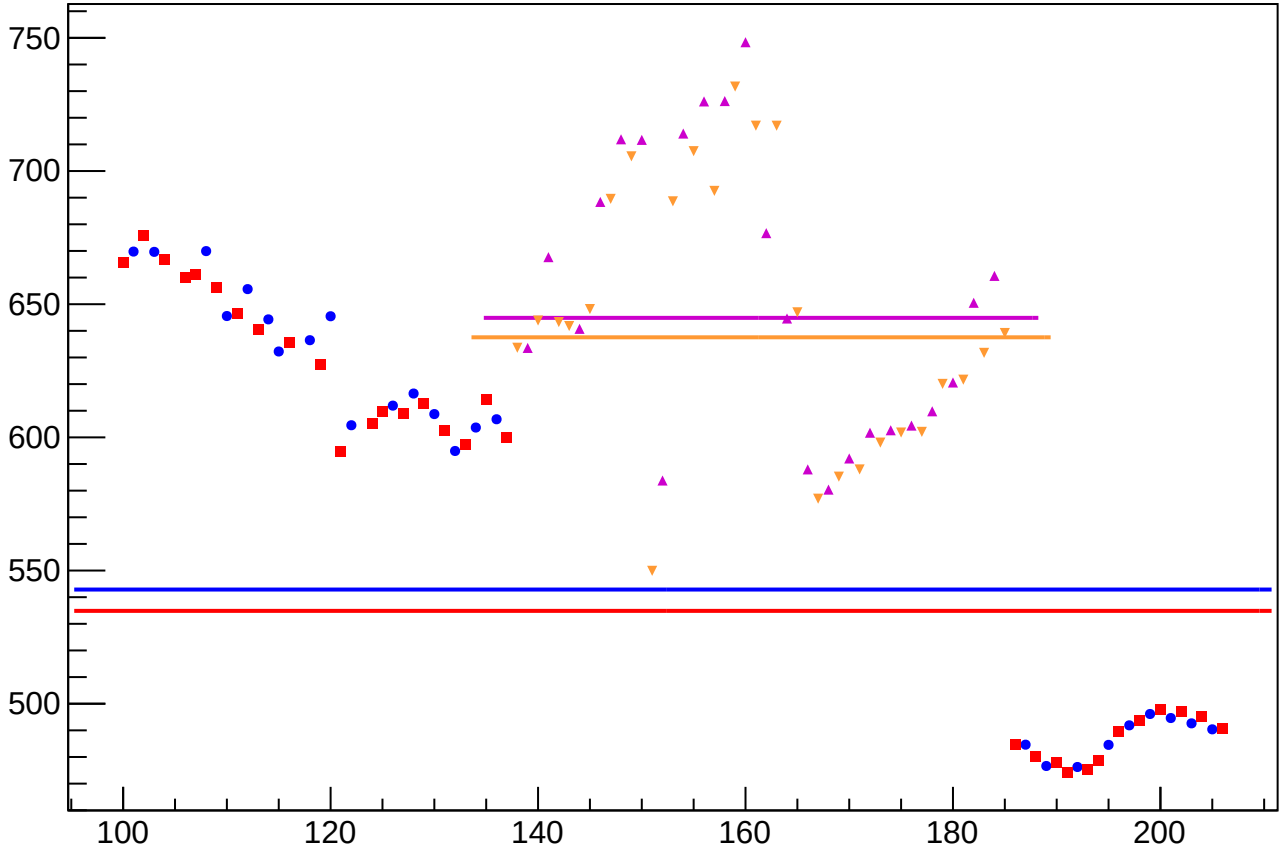
Left In: -20.069+/-0.151 χ^2/NDF:8560.6/22

+ sign 21.575+/-0.103 χ^2/NDF: 73250.7/49

All: 6.038+/-0.072 χ^2/NDF: 179887.2/103

- sign -8.560+/-0.100 χ^2/NDF: 62446.6/53

diff_bpm1i02Y_rms vs Slug



Right In: 542.868+/-0.103 χ^2/NDF: 477395.0/24

Left Out: 637.569+/-0.103 χ^2/NDF:236539.6/24

Right Out: 534.860+/-0.094 χ^2/NDF: 540263.4/30

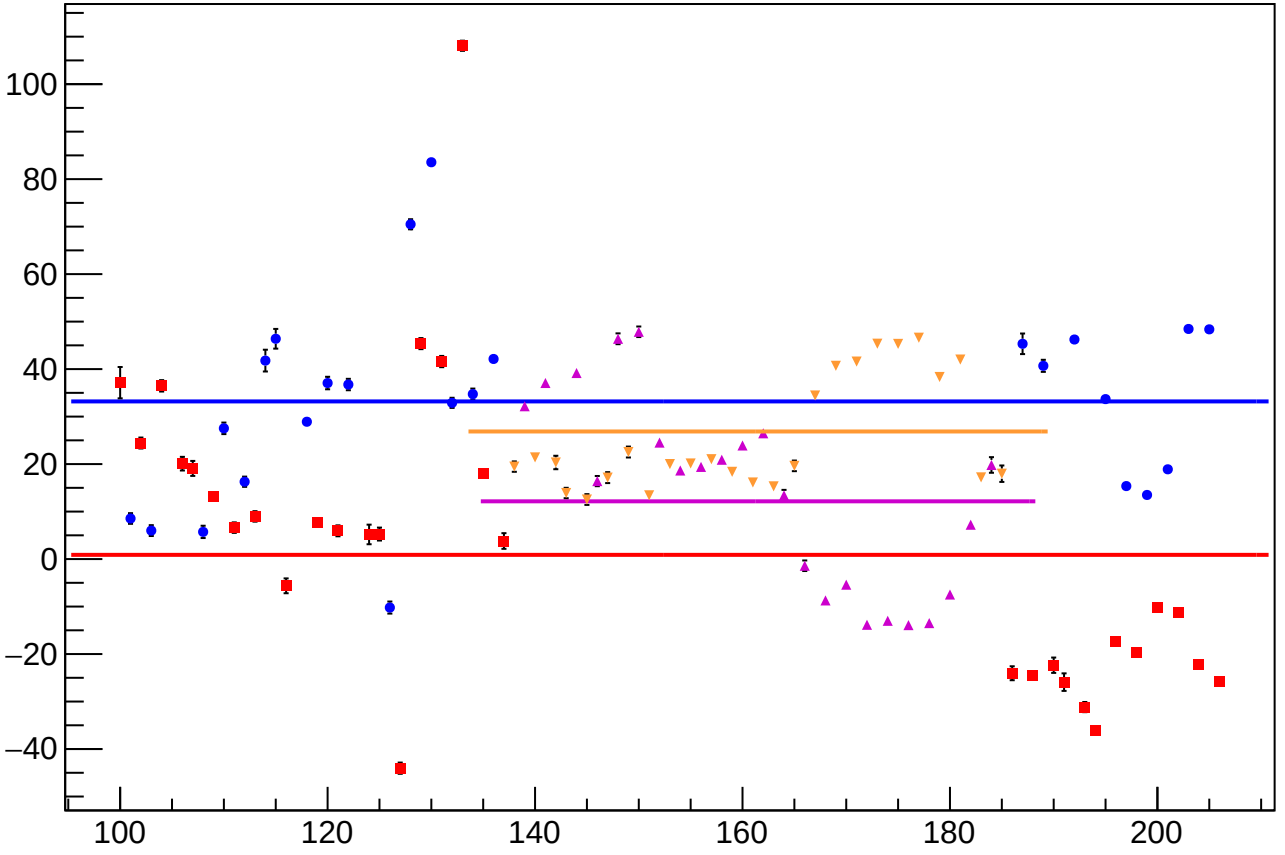
Left In: 644.873+/-0.107 χ^2/NDF:229560.3/22

+ sign 590.315+/-0.073 χ^2/NDF: 1137127.5/49

All: 586.410+/-0.051 χ^2/NDF: 2510233.8/103

- sign 582.741+/-0.071 χ^2/NDF: 1367523.0/53

diff_bpm1i04X_mean vs Slug



Right In: 33.196+/-0.225 χ^2/NDF: 8296.0/24

Left Out: 26.866+/-0.207 χ^2/NDF:3390.4/24

Right Out: 0.887+/-0.211 χ^2/NDF: 22527.1/30

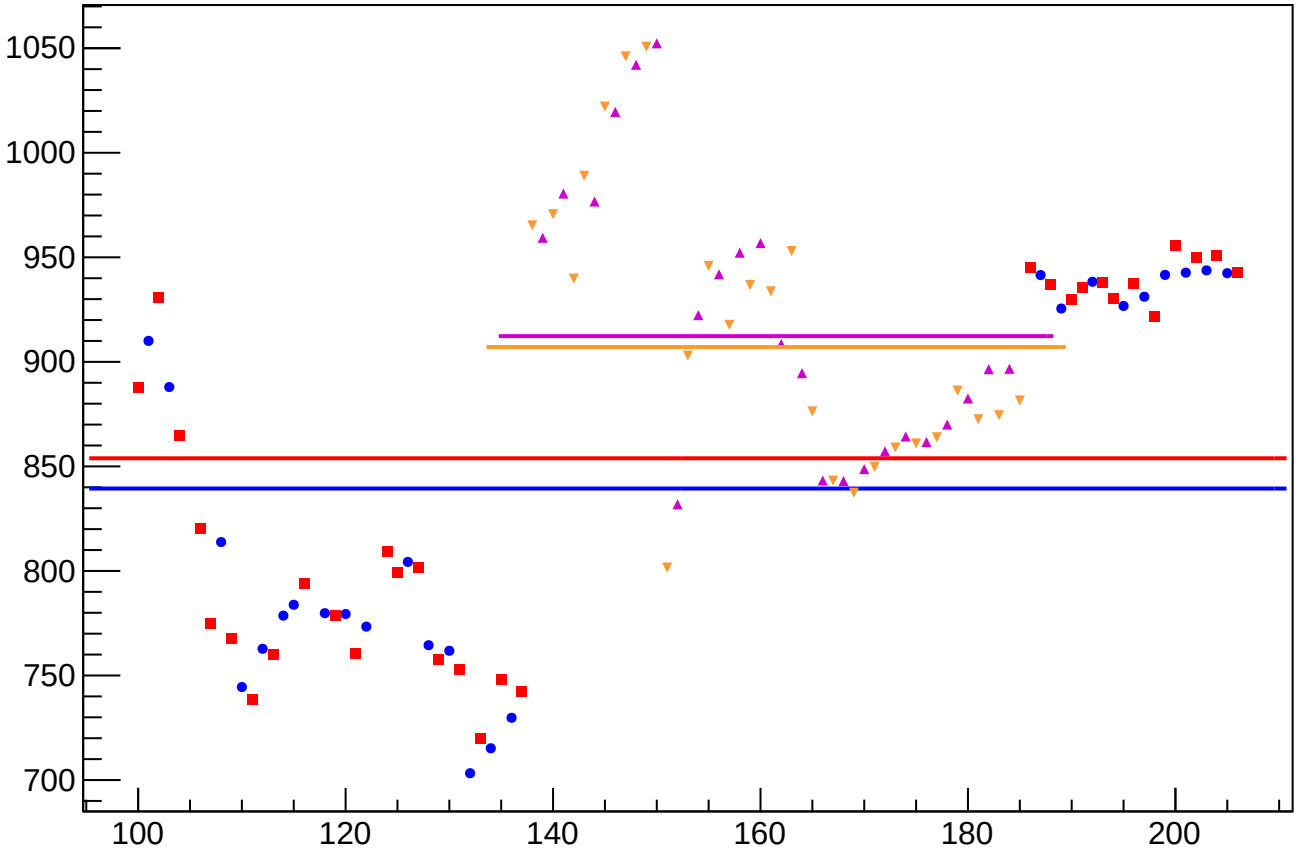
Left In: 12.159+/-0.214 χ^2/NDF:8547.0/22

\+ sign 29.766+/-0.152 χ^2/NDF: 12116.1/49

All: 17.970+/-0.107 χ^2/NDF: 56476.3/103

\- sign 6.461+/-0.150 χ^2/NDF: 32480.6/53

diff_bpm1i04X_rms vs Slug



Right In: 839.415+/-0.159 χ^2/NDF: 321993.8/24

Left Out: 907.089+/-0.146 χ^2/NDF:194606.8/24

Right Out: 853.882+/-0.149 χ^2/NDF: 342212.1/30

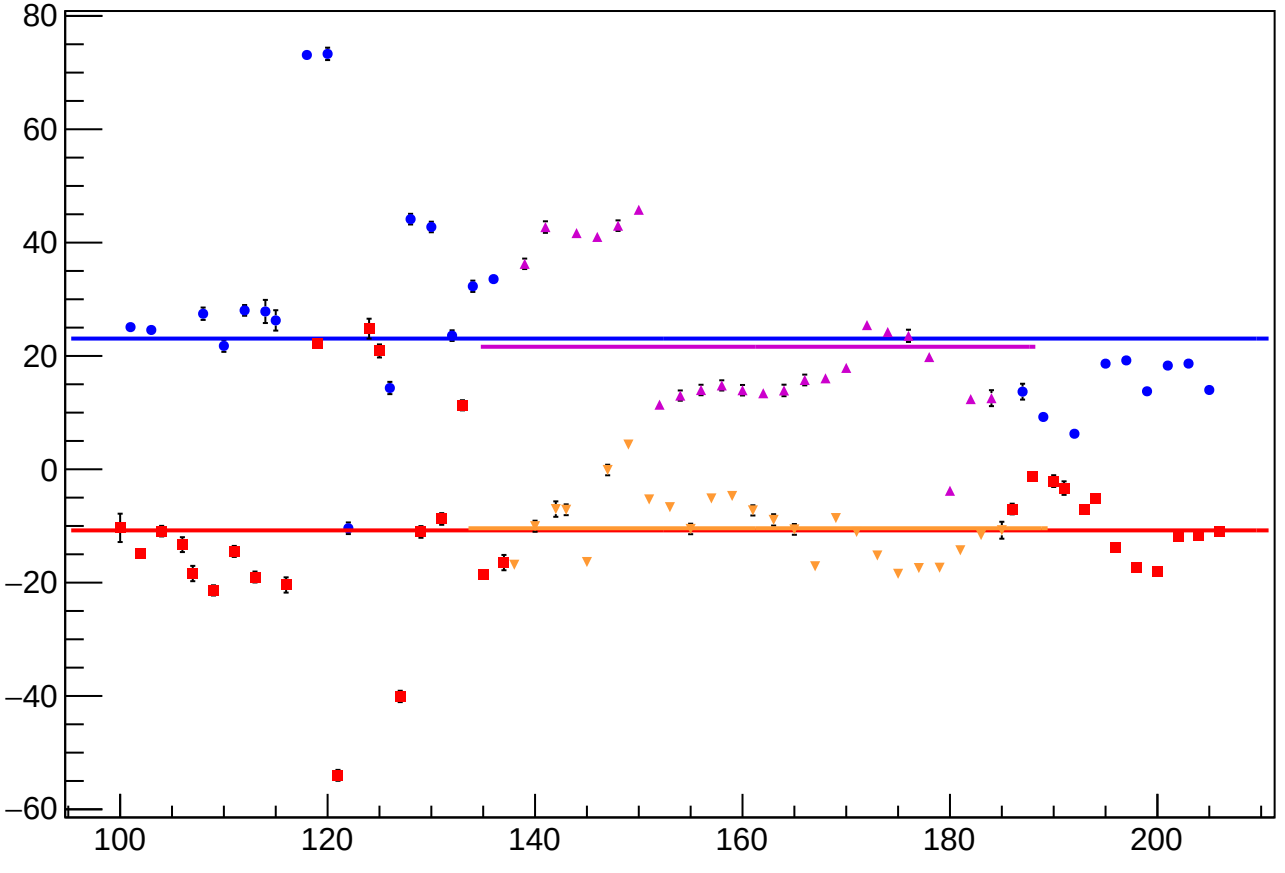
Left In: 912.301+/-0.151 χ^2/NDF:174715.2/22

+ sign 876.082+/-0.108 χ^2/NDF: 614853.7/49

All: 879.466+/-0.076 χ^2/NDF: 1209302.3/103

- sign 882.769+/-0.106 χ^2/NDF: 592492.6/53

diff_bpm1i04Y_mean vs Slug



Right In: 23.067+/-0.164 χ^2/NDF: 9613.5/24

Left Out: -10.406+/-0.176 χ^2/NDF:1041.8/24

Right Out: -10.782+/-0.155 χ^2/NDF: 7303.3/30

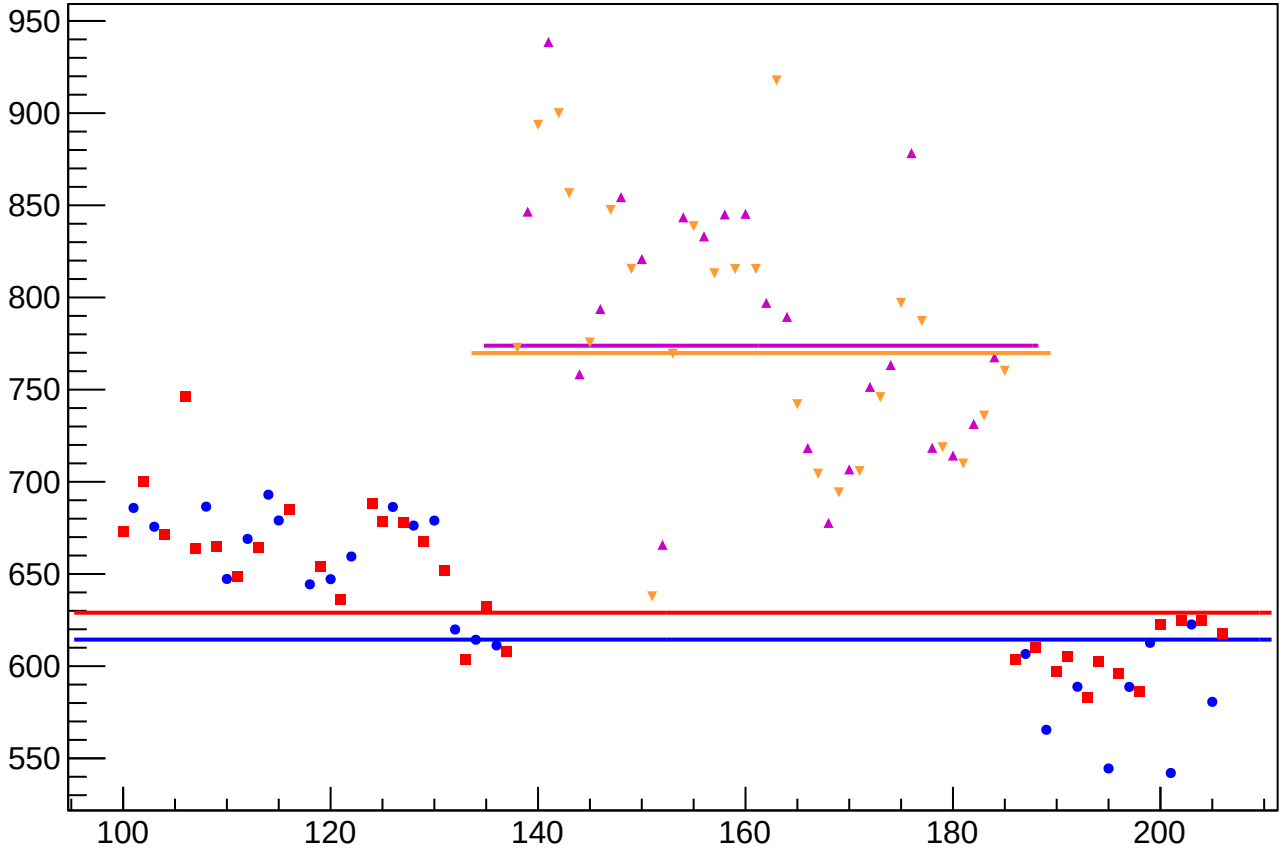
Left In: 21.621+/-0.182 χ^2/NDF:5241.8/22

+ sign 7.460+/-0.120 χ^2/NDF: 29962.1/49

All: 5.125+/-0.084 χ^2/NDF: 61605.2/103

- sign 2.870+/-0.118 χ^2/NDF: 30900.9/53

diff_bpm1i04Y_rms vs Slug



Right In: 614.403+/-0.116 χ^2/NDF: 159338.7/24

Left Out: 769.850+/-0.124 χ^2/NDF:304526.6/24

Right Out: 629.001+/-0.110 χ^2/NDF: 98215.8/30

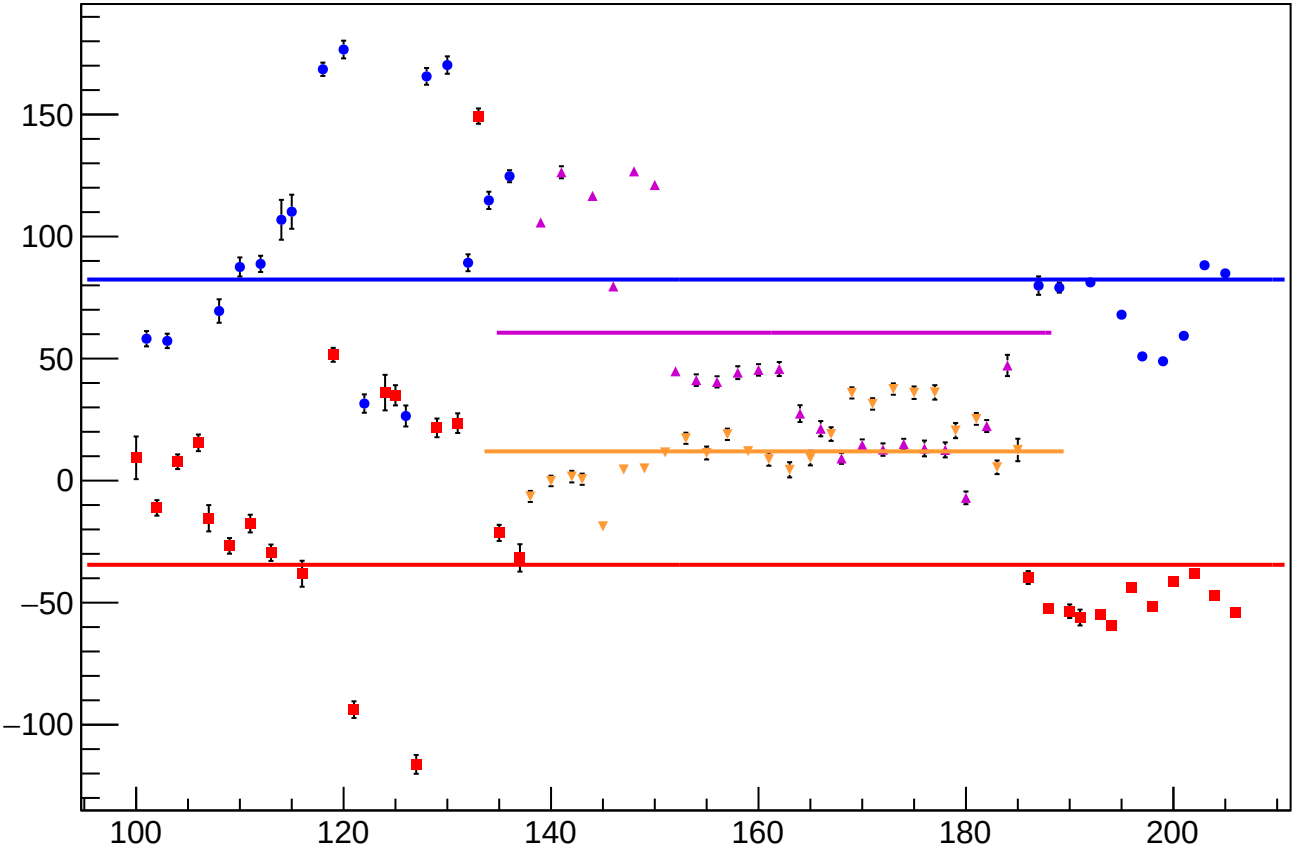
Left In: 773.845+/-0.129 χ^2/NDF:282843.1/22

+ sign 686.879+/-0.085 χ^2/NDF: 1296602.6/49

All: 688.481+/-0.060 χ^2/NDF: 2411901.1/103

- sign 690.028+/-0.084 χ^2/NDF: 1114600.0/53

diff_bpm1i06X_mean vs Slug



Right In: 82.383+/-0.506 χ^2/NDF: 4683.9/24

Left Out: 11.989+/-0.472 χ^2/NDF:947.1/24

Right Out: -34.483+/-0.471 χ^2/NDF: 7298.9/30

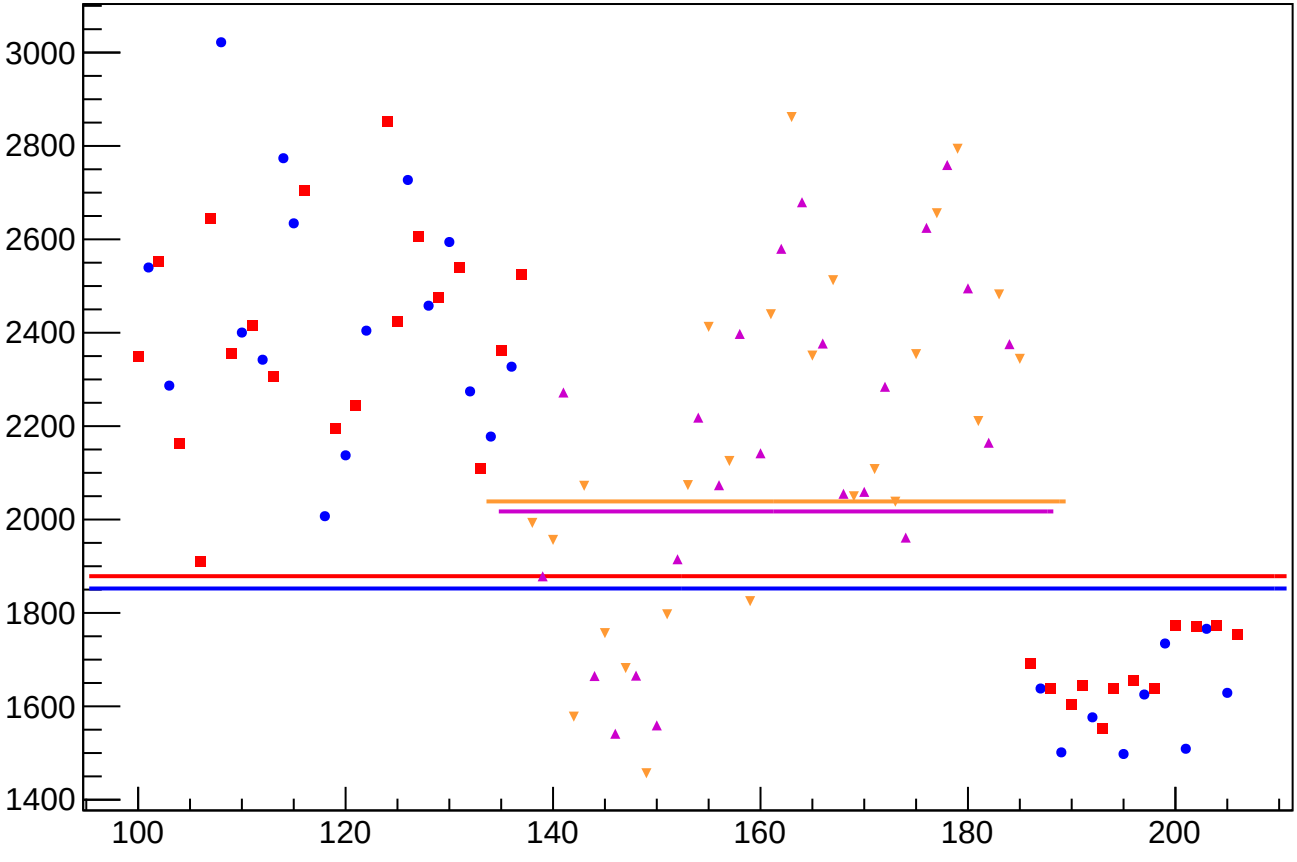
Left In: 60.598+/-0.481 χ^2/NDF:8638.1/22

+ sign 44.686+/-0.345 χ^2/NDF: 15982.5/49

All: 27.958+/-0.241 χ^2/NDF: 56459.8/103

- sign 12.056+/-0.336 χ^2/NDF: 35893.5/53

diff_bpm1i06X_rms vs Slug



Right In: 1852.337+/-0.358 χ^2/NDF: 1179419.6/24

Left Out: 2038.784+/-0.333 χ^2/NDF:1123518.3/24

Right Out: 1878.699+/-0.333 χ^2/NDF: 978753.3/30

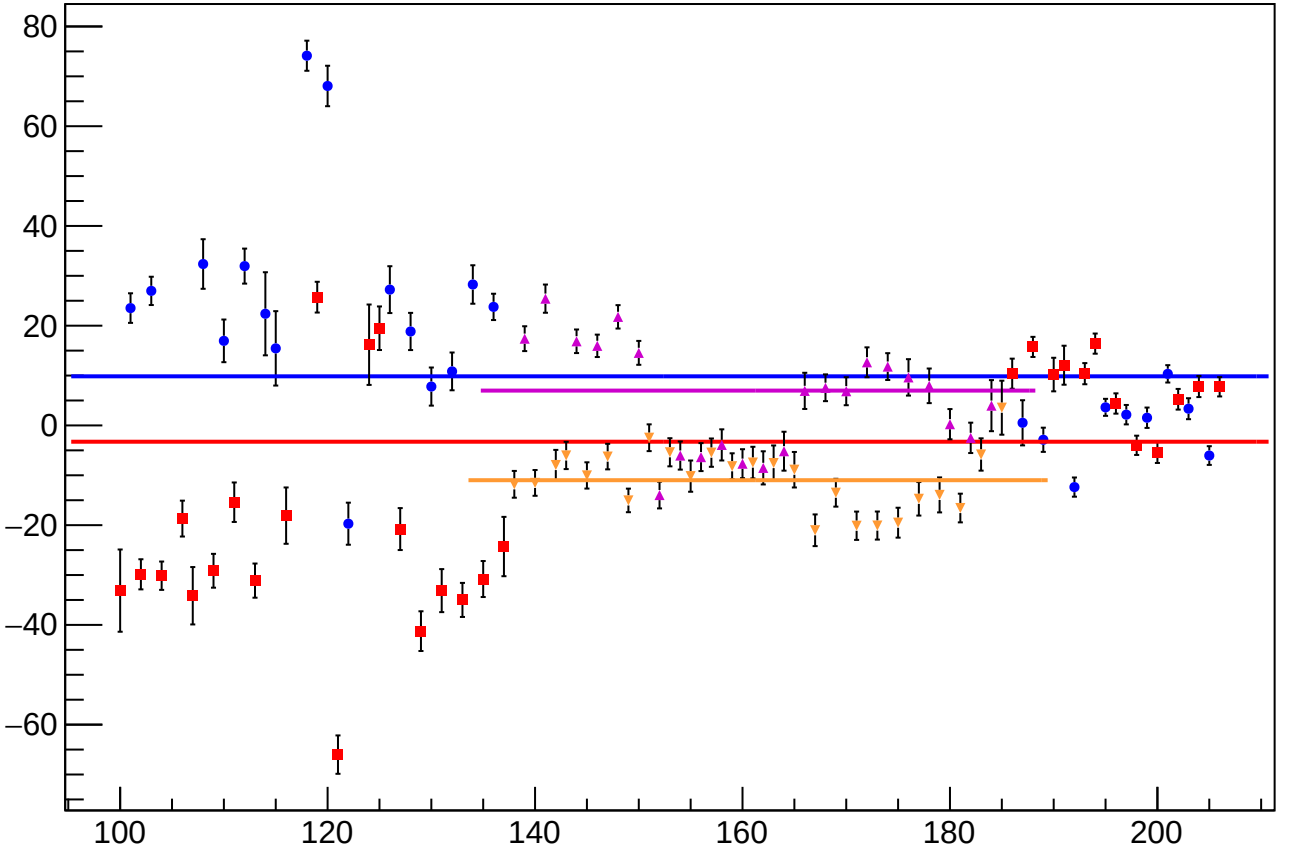
Left In: 2017.328+/-0.340 χ^2/NDF:1050043.3/22

+ sign 1952.182+/-0.244 χ^2/NDF: 2448171.2/49

All: 1949.297+/-0.170 χ^2/NDF: 4562087.6/10

- sign 1946.554+/-0.238 χ^2/NDF: 2113643.6/53

diff_bpm1i06Y_mean vs Slug



Right In: 9.846+/-0.549 χ^2/NDF: 1194.5/24

Left Out: -10.985+/-0.586 χ^2/NDF:87.6/24

Right Out: -3.268+/-0.522 χ^2/NDF: 1437.2/30

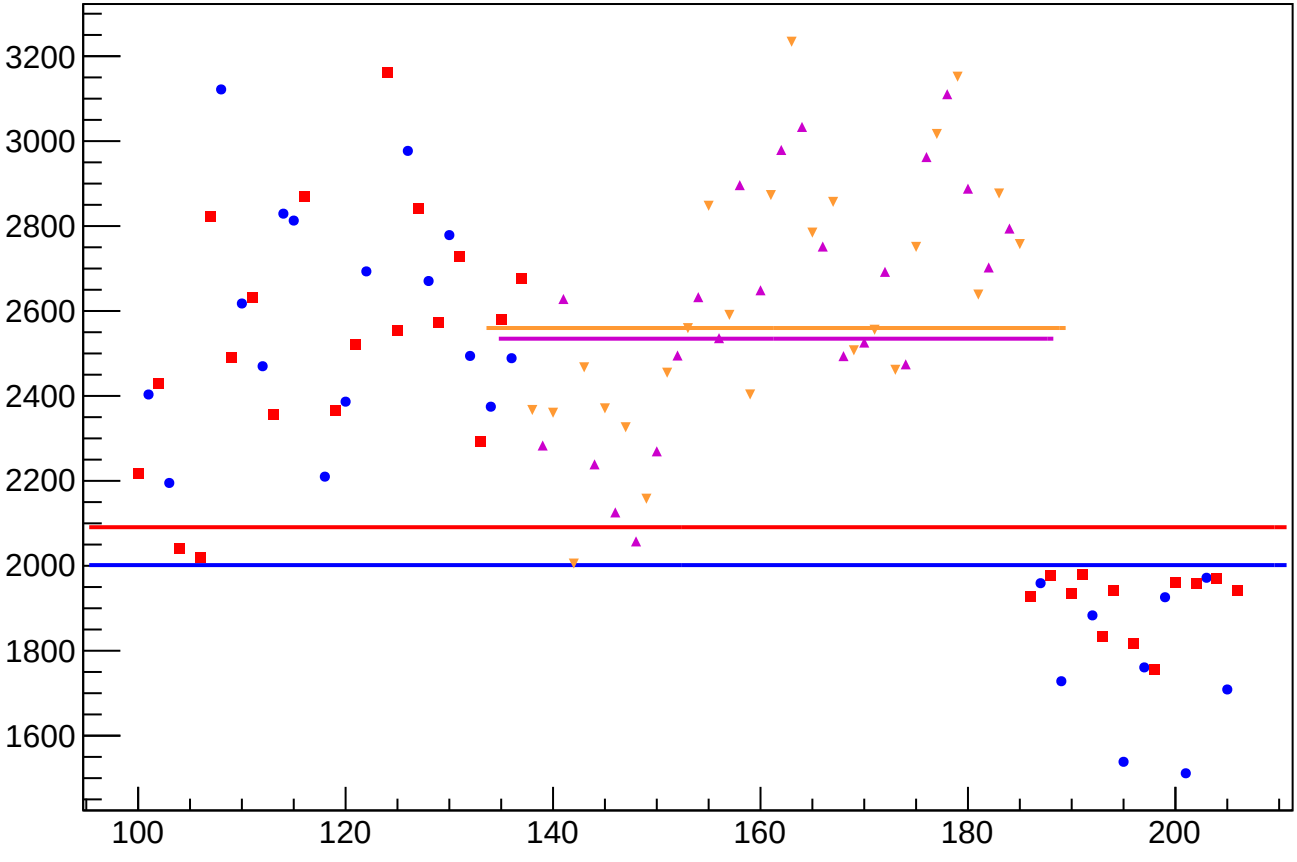
Left In: 6.985+/-0.598 χ^2/NDF:339.5/22

+ sign 0.104+/-0.401 χ^2/NDF: 1955.1/49

All: 0.645+/-0.281 χ^2/NDF: 3901.9/103

- sign 1.166+/-0.394 χ^2/NDF: 1943.3/53

diff_bpm1i06Y_rms vs Slug



Right In: 2001.636+/-0.388 χ^2/NDF: 1125130.7/24

Left Out: 2559.931+/-0.414 χ^2/NDF:450188.5/24

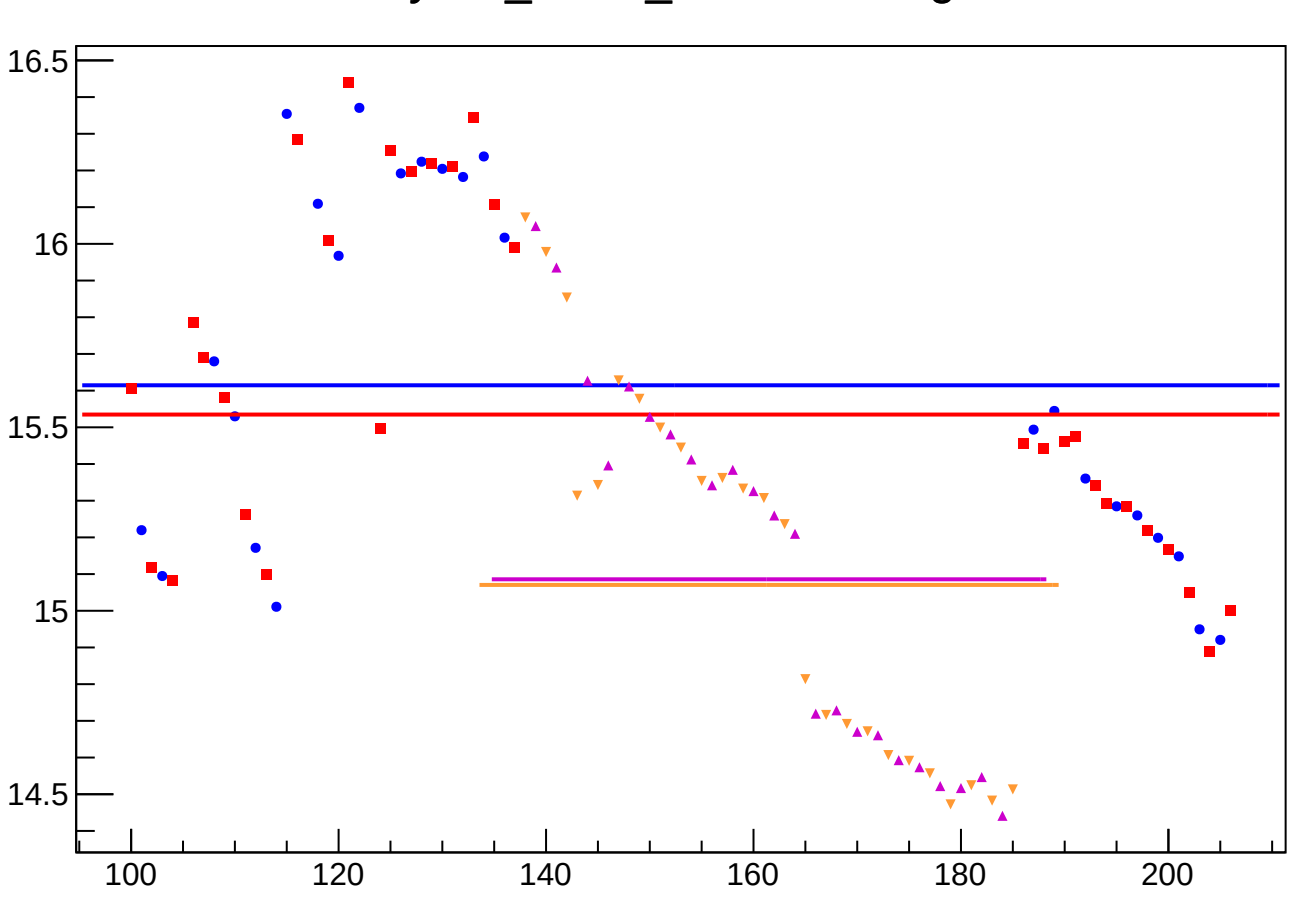
Right Out: 2090.885+/-0.369 χ^2/NDF: 661779.0/30

Left In: 2534.780+/-0.423 χ^2/NDF:463621.9/22

\+ sign 2262.722+/-0.283 χ^2/NDF: 2542087.6/49

All: 2272.969+/-0.199 χ^2/NDF: 4294521.3/10

\- sign 2282.856+/-0.278 χ^2/NDF: 1749863.2/53



Right In: 15.615+/-0.000 χ^2/NDF: 16951990864.6/24

Left Out: 15.070+/-0.000 χ^2/NDF:43718295237.2/24

Right Out: 15.535+/-0.000 χ^2/NDF: 18141443816.0/30

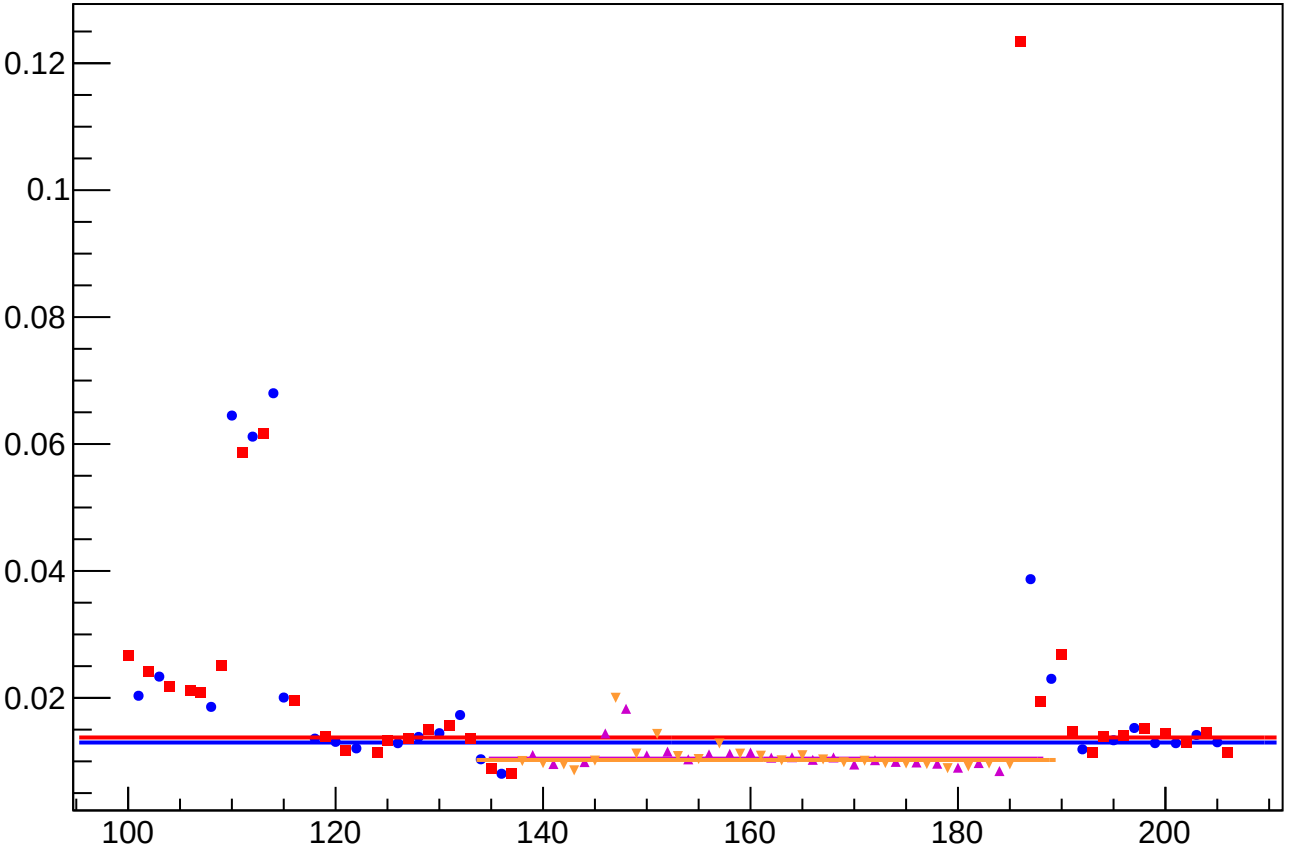
Left In: 15.086+/-0.000 χ^2/NDF:39504896066.7/22

+ sign 15.228+/-0.000 χ^2/NDF: 75572776464.3/49

All: 15.228+/-0.000 χ^2/NDF: 143295323867.

- sign 15.228+/-0.000 χ^2/NDF: 67722544713.1/53

yield_sam1_rms vs Slug



Right In: 0.013+/-0.000 χ^2/NDF: 2750845.8/24

Left Out: 0.010+/-0.000 χ^2/NDF:760322.0/24

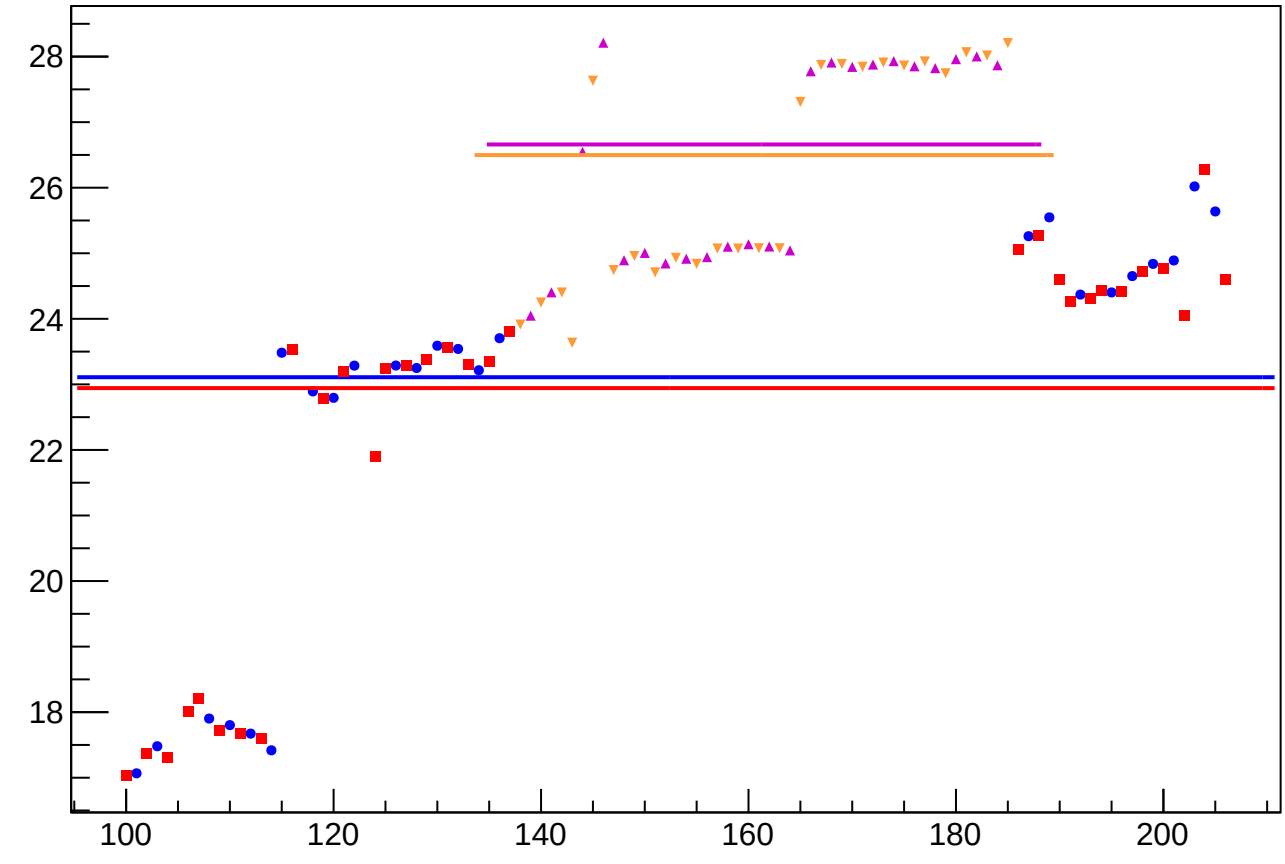
Right Out: 0.014+/-0.000 χ^2/NDF: 3340044.5/30

Left In: 0.010+/-0.000 χ^2/NDF:597752.6/22

+ sign 0.011+/-0.000 χ^2/NDF: 4273176.0/49

All: 0.011+/-0.000 χ^2/NDF: 9375172.5/103

- sign 0.011+/-0.000 χ^2/NDF: 5049537.5/53



Right In: 23.109+/-0.000 χ^2/NDF: 1551182926.4/24

Left Out: 26.498+/-0.000 χ^2/NDF:3909357236.5/24

Right Out: 22.943+/-0.000 χ^2/NDF: 1653544160.0/30

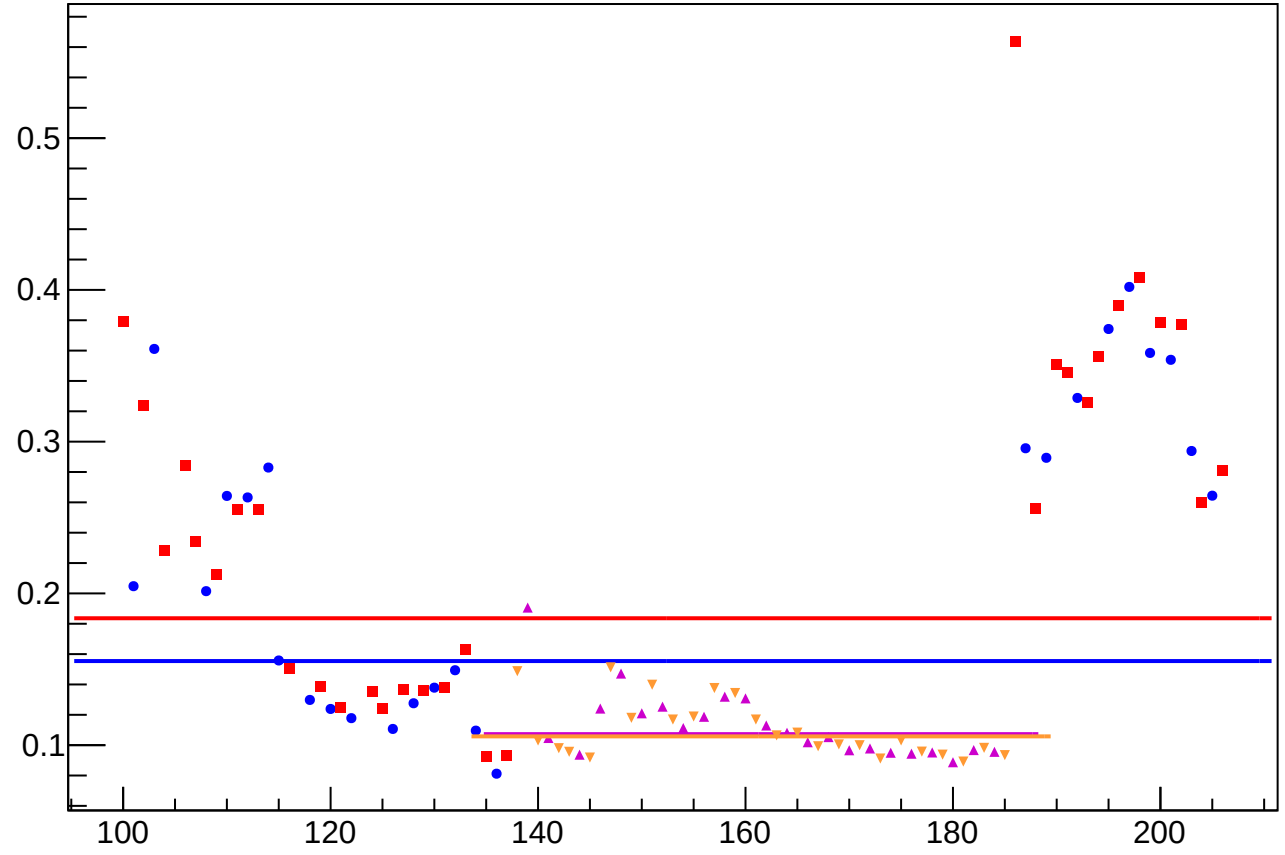
Left In: 26.660+/-0.000 χ^2/NDF:2886823196.4/22

+ sign 25.768+/-0.000 χ^2/NDF: 9125252371.1/49

All: 25.822+/-0.000 χ^2/NDF: 17617050539.5

- sign 25.880+/-0.000 χ^2/NDF: 8480543161.8/53

yield_sam2_rms vs Slug



Right In: 0.155+/-0.000 χ^2/NDF: 6149726.2/24

Left Out: 0.106+/-0.000 χ^2/NDF:756185.0/24

Right Out: 0.184+/-0.000 χ^2/NDF: 6211032.9/30

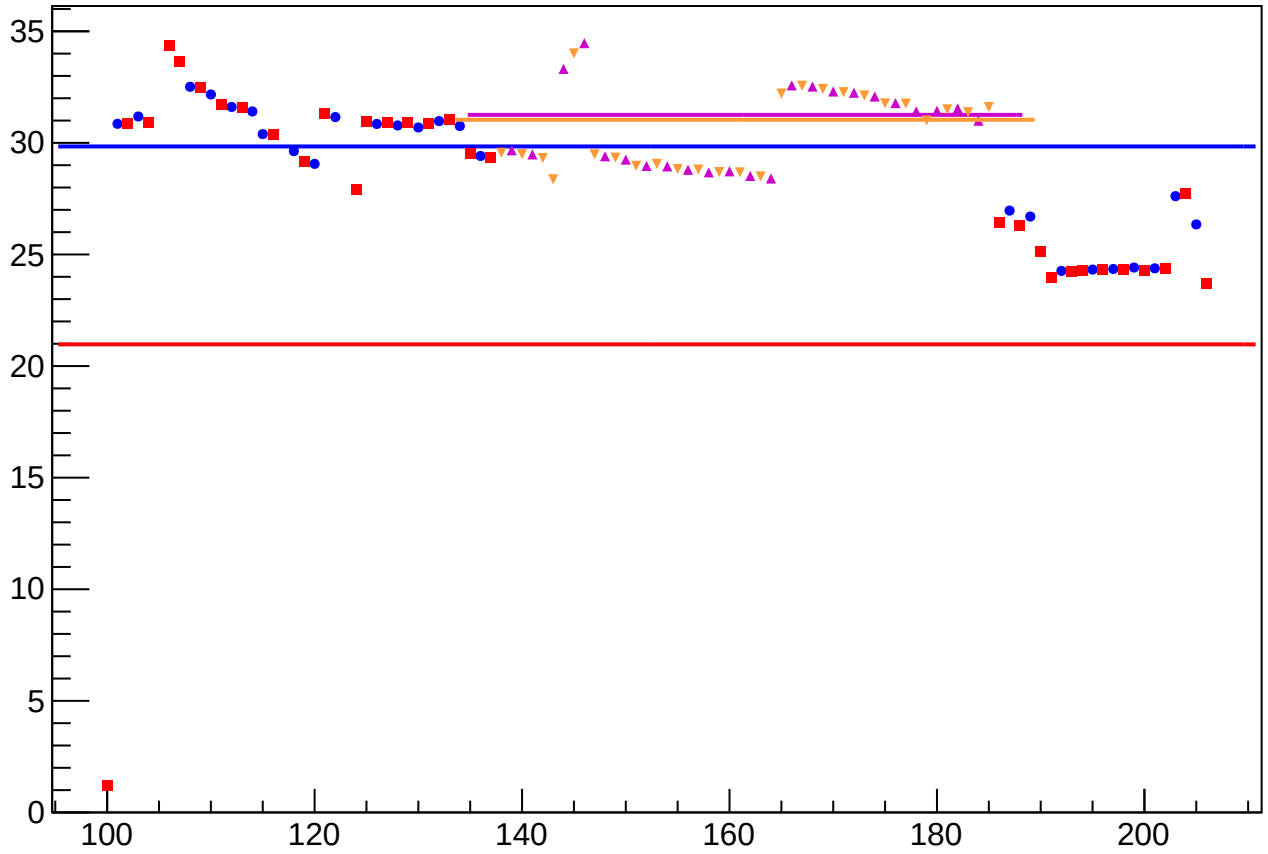
Left In: 0.107+/-0.000 χ^2/NDF:859458.3/22

+ sign 0.116+/-0.000 χ^2/NDF: 8478709.0/49

All: 0.120+/-0.000 χ^2/NDF: 18959545.8/103

- sign 0.123+/-0.000 χ^2/NDF: 10397329.9/53

yield_sam3_mean vs Slug



Right In: 29.840+/-0.000 χ^2/NDF: 3714303373.3/24

Left Out: 31.035+/-0.000 χ^2/NDF:11897463221.2/24

Right Out: 20.971+/-0.000 χ^2/NDF: 225810659227.2/30

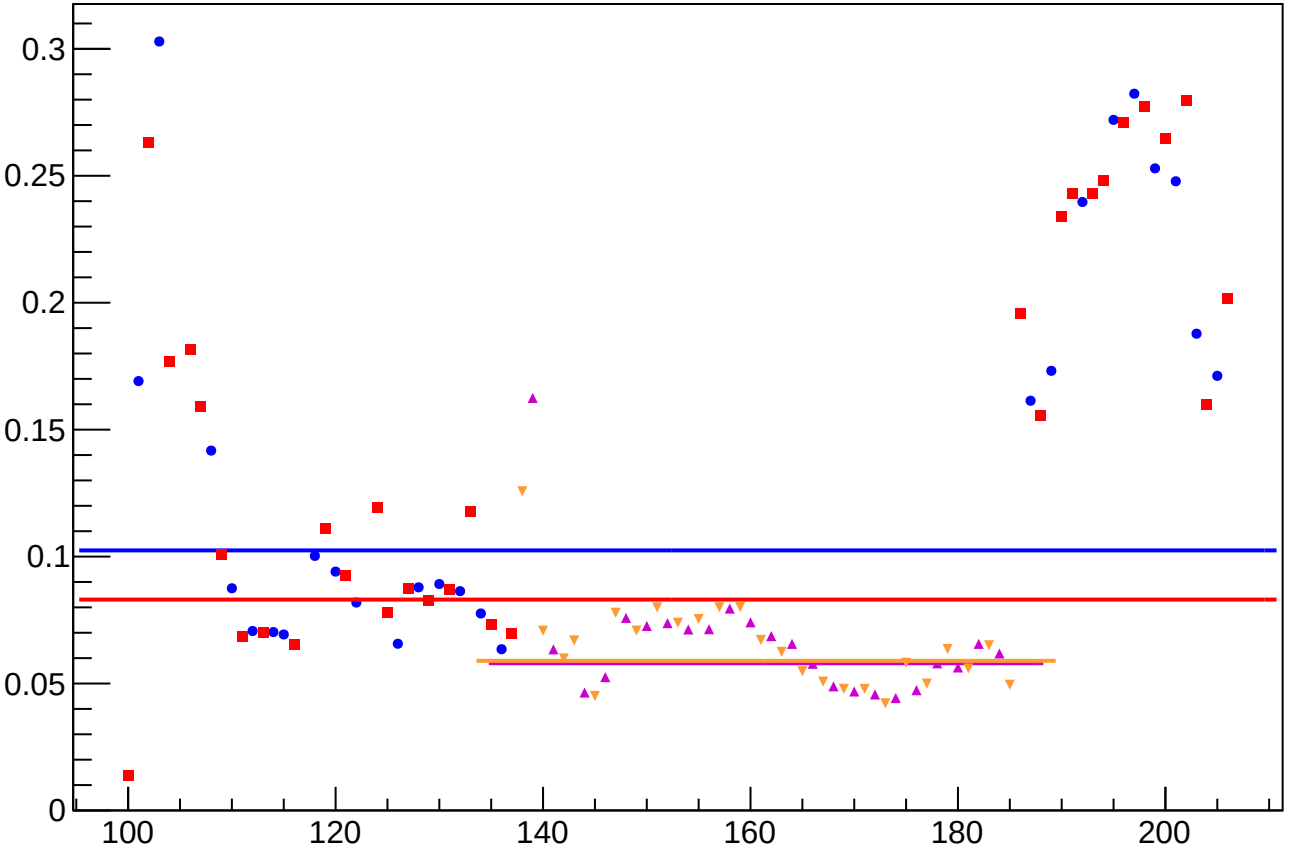
Left In: 31.256+/-0.000 χ^2/NDF:12589744083.0/22

+ sign 30.825+/-0.000 χ^2/NDF: 16686182833.2/49

All: 29.808+/-0.000 χ^2/NDF: 368576947600.

- sign 28.830+/-0.000 χ^2/NDF: 341349750494.5/53

yield_sam3_rms vs Slug



Right In: 0.102+/-0.000 χ^2/NDF: 5796238.4/24

Left Out: 0.059+/-0.000 χ^2/NDF:1536601.0/24

Right Out: 0.083+/-0.000 χ^2/NDF: 11943009.7/30

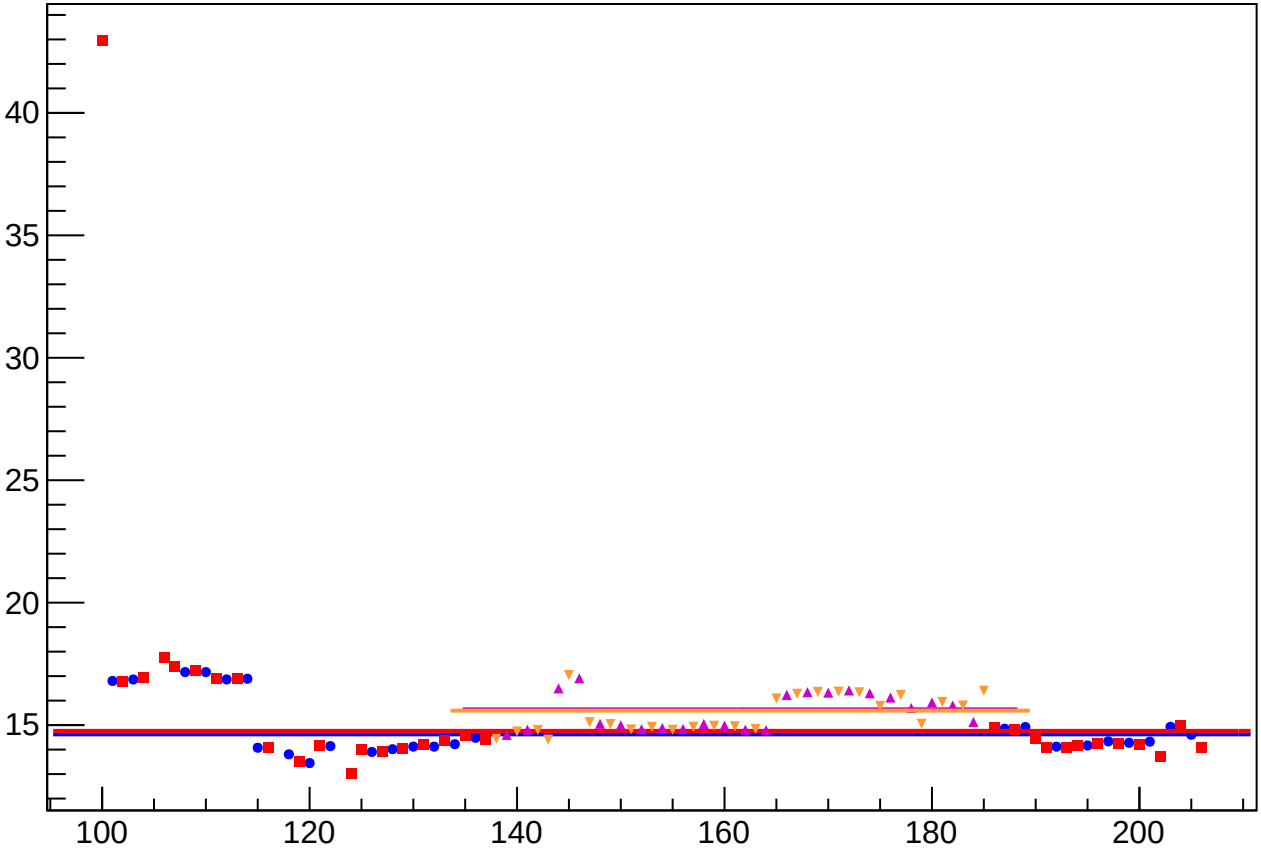
Left In: 0.058+/-0.000 χ^2/NDF:1716553.7/22

+ sign 0.067+/-0.000 χ^2/NDF: 10179622.2/49

All: 0.065+/-0.000 χ^2/NDF: 25101798.5/103

- sign 0.064+/-0.000 χ^2/NDF: 14884035.2/53

yield_sam4_mean vs Slug



Right In: 14.622+/-0.000 χ^2/NDF: 1211781102.3/24

Left Out: 15.591+/-0.000 χ^2/NDF:2257437225.0/24

Right Out: 14.765+/-0.000 χ^2/NDF: 1805734463.6/30

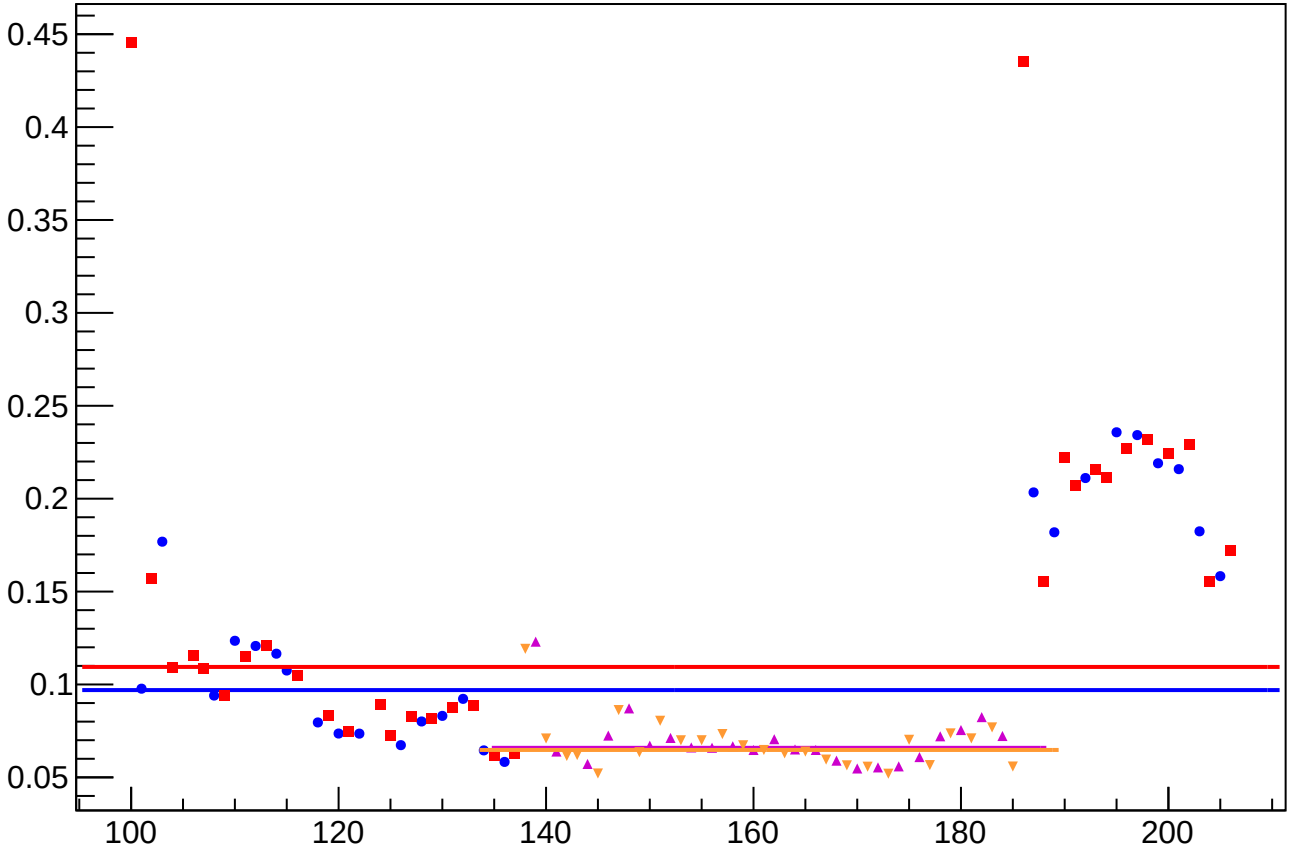
Left In: 15.645+/-0.000 χ^2/NDF:1858454747.6/22

+ sign 15.378+/-0.000 χ^2/NDF: 4276567457.6/49

All: 15.411+/-0.000 χ^2/NDF: 8576347977.3/1

- sign 15.446+/-0.000 χ^2/NDF: 4288479620.2/53

yield_sam4_rms vs Slug



Right In: 0.097+/-0.000 χ^2/NDF: 5170051.1/24

Left Out: 0.065+/-0.000 χ^2/NDF:855753.3/24

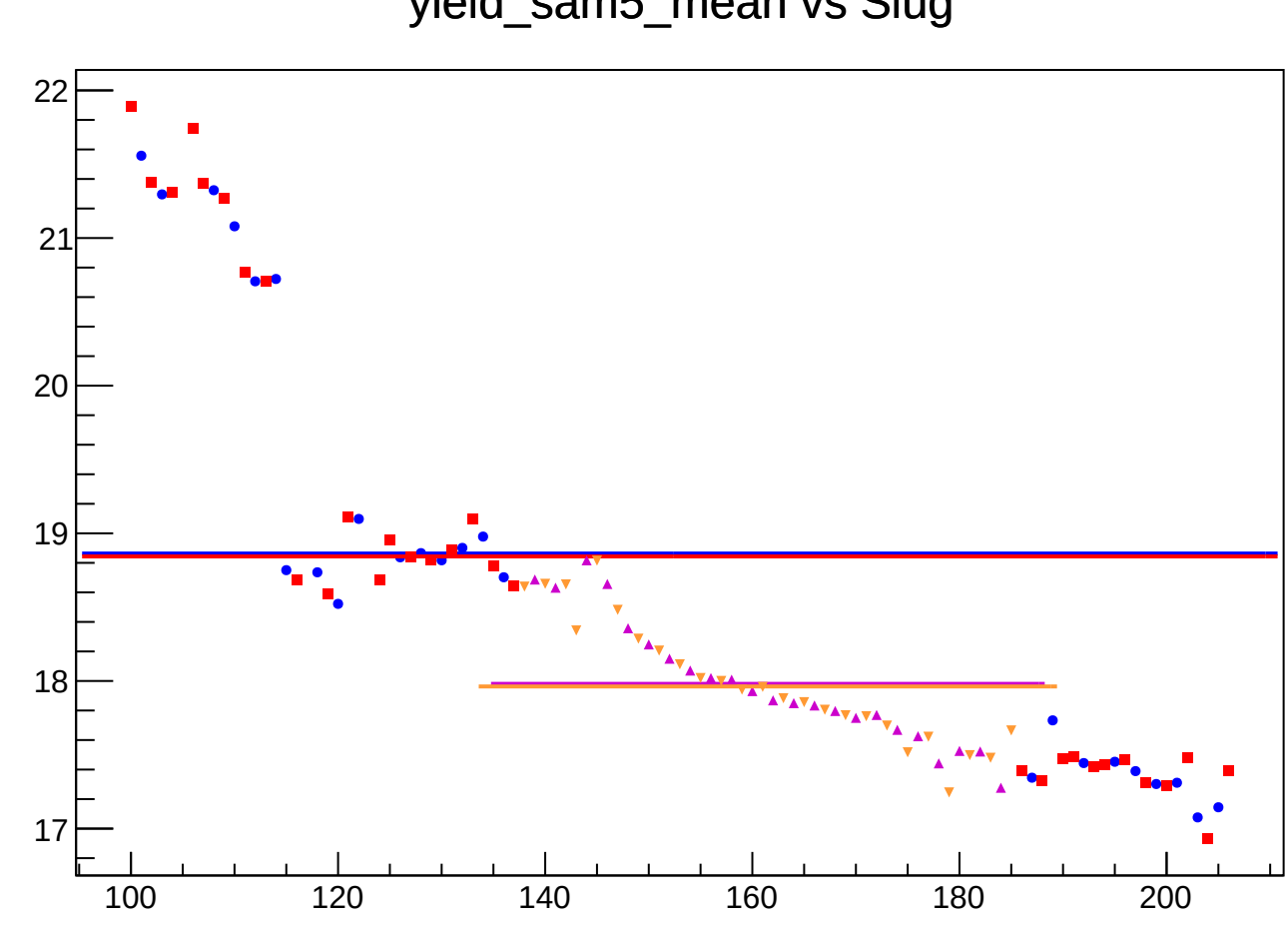
Right Out: 0.109+/-0.000 χ^2/NDF: 5535201.4/30

Left In: 0.066+/-0.000 χ^2/NDF:788235.2/22

+ sign 0.072+/-0.000 χ^2/NDF: 7812539.1/49

All: 0.074+/-0.000 χ^2/NDF: 17264924.7/103

- sign 0.076+/-0.000 χ^2/NDF: 9380958.3/53



Right In: 18.863+/-0.000 χ^2/NDF: 30831780817.8/24

Left Out: 17.963+/-0.000 χ^2/NDF:3041551307.2/24

Right Out: 18.844+/-0.000 χ^2/NDF: 35153857714.3/30

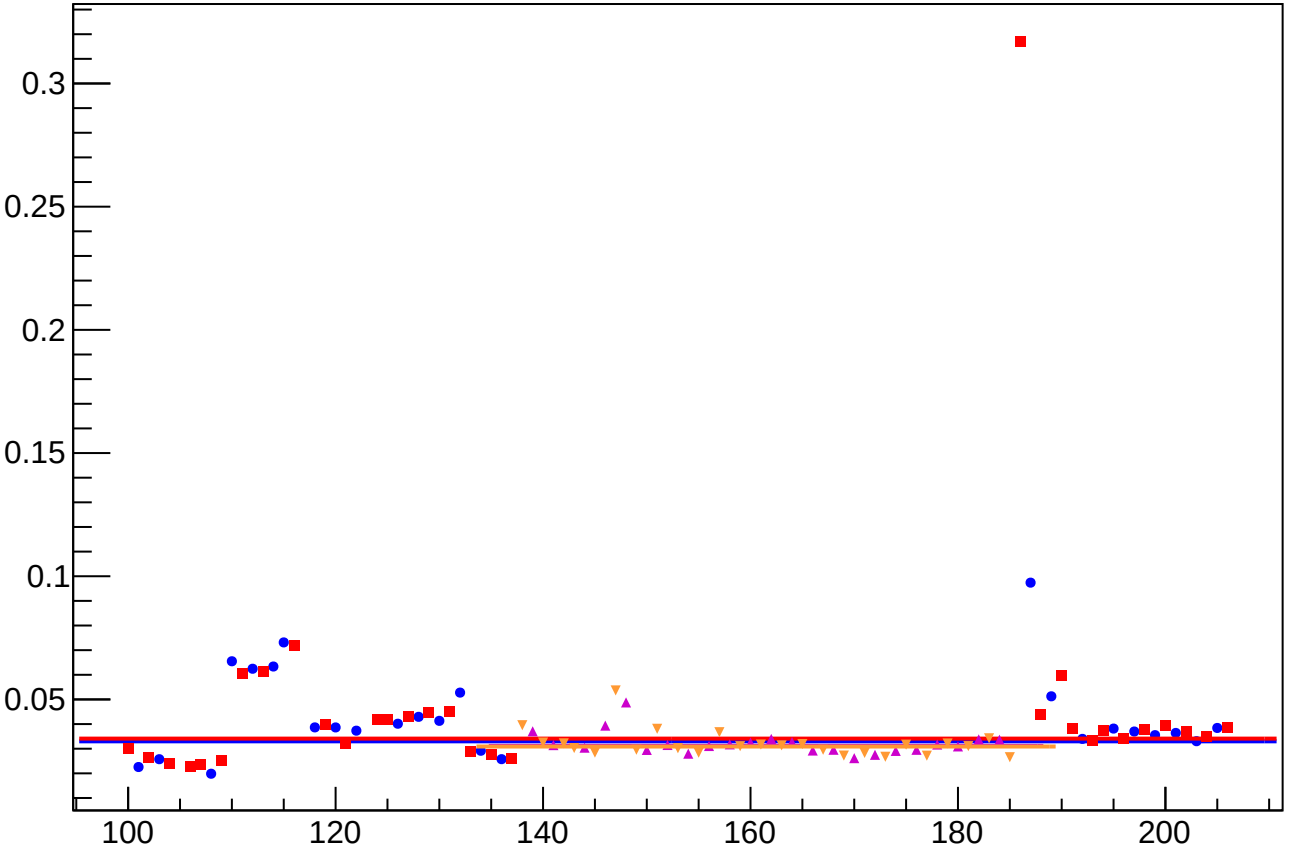
Left In: 17.980+/-0.000 χ^2/NDF:2720441956.8/22

+ sign 18.296+/-0.000 χ^2/NDF: 39632513459.8/49

All: 18.314+/-0.000 χ^2/NDF: 82952594683.1

- sign 18.332+/-0.000 χ^2/NDF: 43300308842.8/53

yield_sam5_rms vs Slug



Right In: 0.033+/-0.000 χ^2/NDF: 1930825.4/24

Left Out: 0.031+/-0.000 χ^2/NDF:633519.6/24

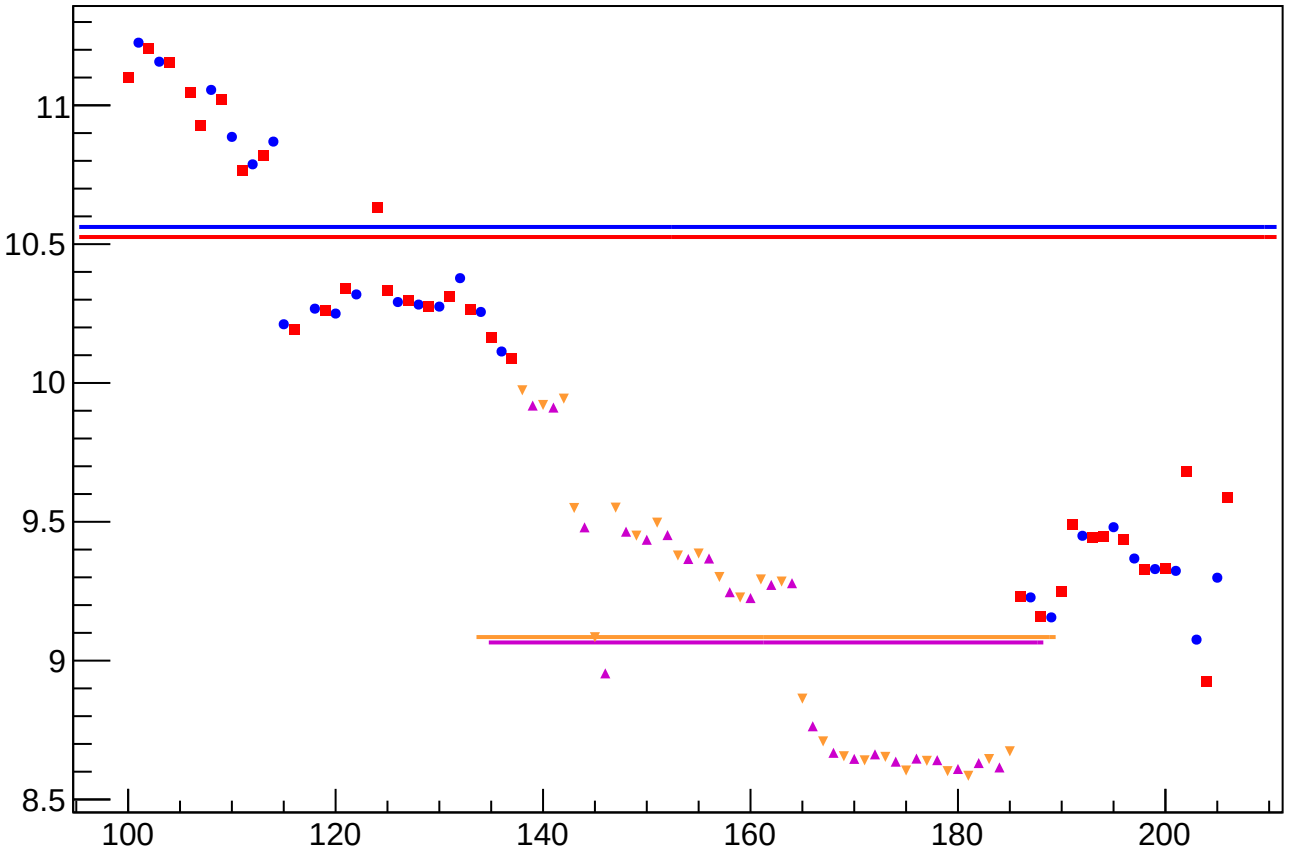
Right Out: 0.034+/-0.000 χ^2/NDF: 2265603.4/30

Left In: 0.031+/-0.000 χ^2/NDF:482919.2/22

+ sign 0.032+/-0.000 χ^2/NDF: 2627351.8/49

All: 0.032+/-0.000 χ^2/NDF: 5517595.0/103

- sign 0.032+/-0.000 χ^2/NDF: 2876435.6/53



Right In: 10.562+/-0.000 χ^2/NDF: 12702779637.8/24

Left Out: 9.085+/-0.000 χ^2/NDF:10203625727.4/24

Right Out: 10.526+/-0.000 χ^2/NDF: 12590691685.6/30

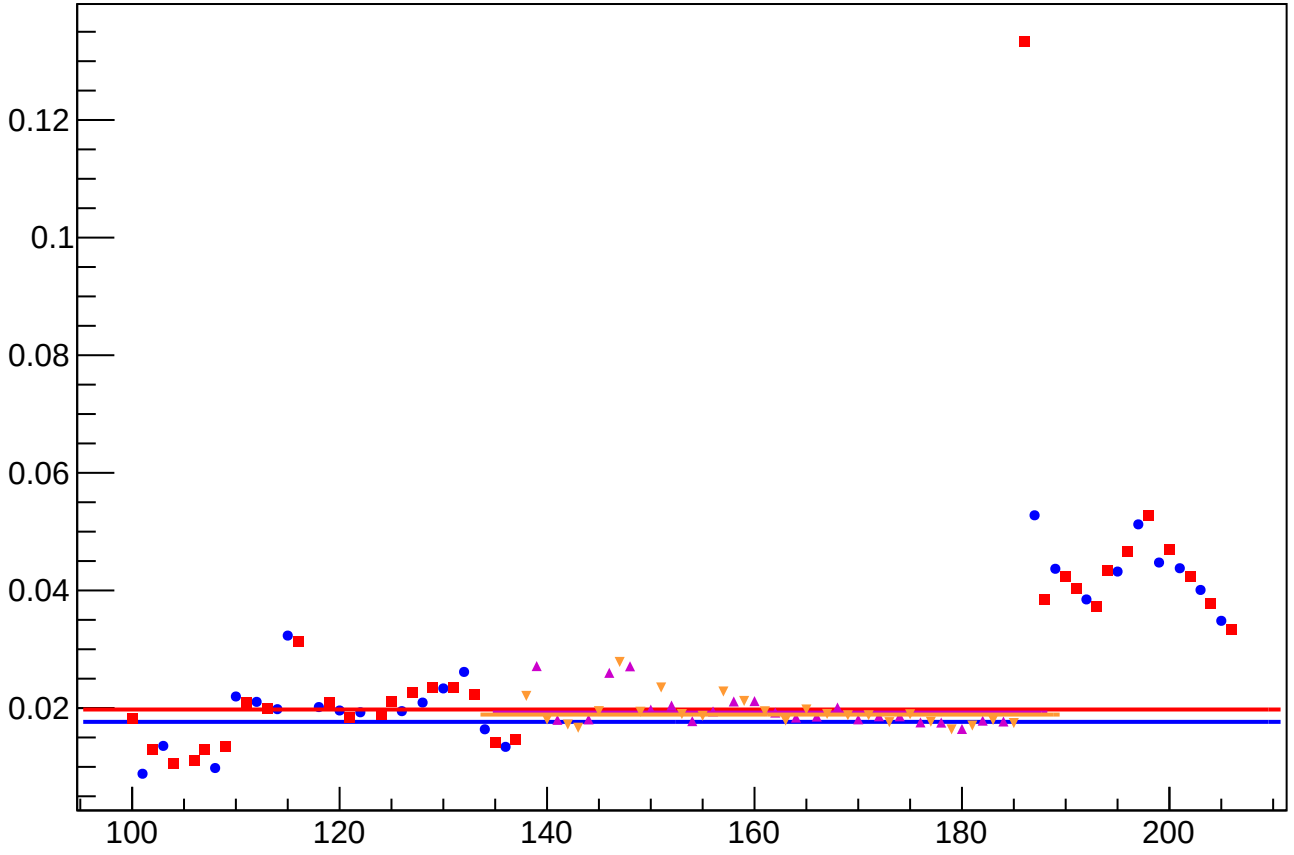
Left In: 9.065+/-0.000 χ^2/NDF:8070708662.0/22

+ sign 9.660+/-0.000 χ^2/NDF: 64775681494.2/49

All: 9.659+/-0.000 χ^2/NDF: 124146867880.7

- sign 9.657+/-0.000 χ^2/NDF: 59370907963.0/53

yield_sam6_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF: 6616122.0/24

Left Out: 0.019+/-0.000 χ^2/NDF:441360.7/24

Right Out: 0.020+/-0.000 χ^2/NDF: 7139267.1/30

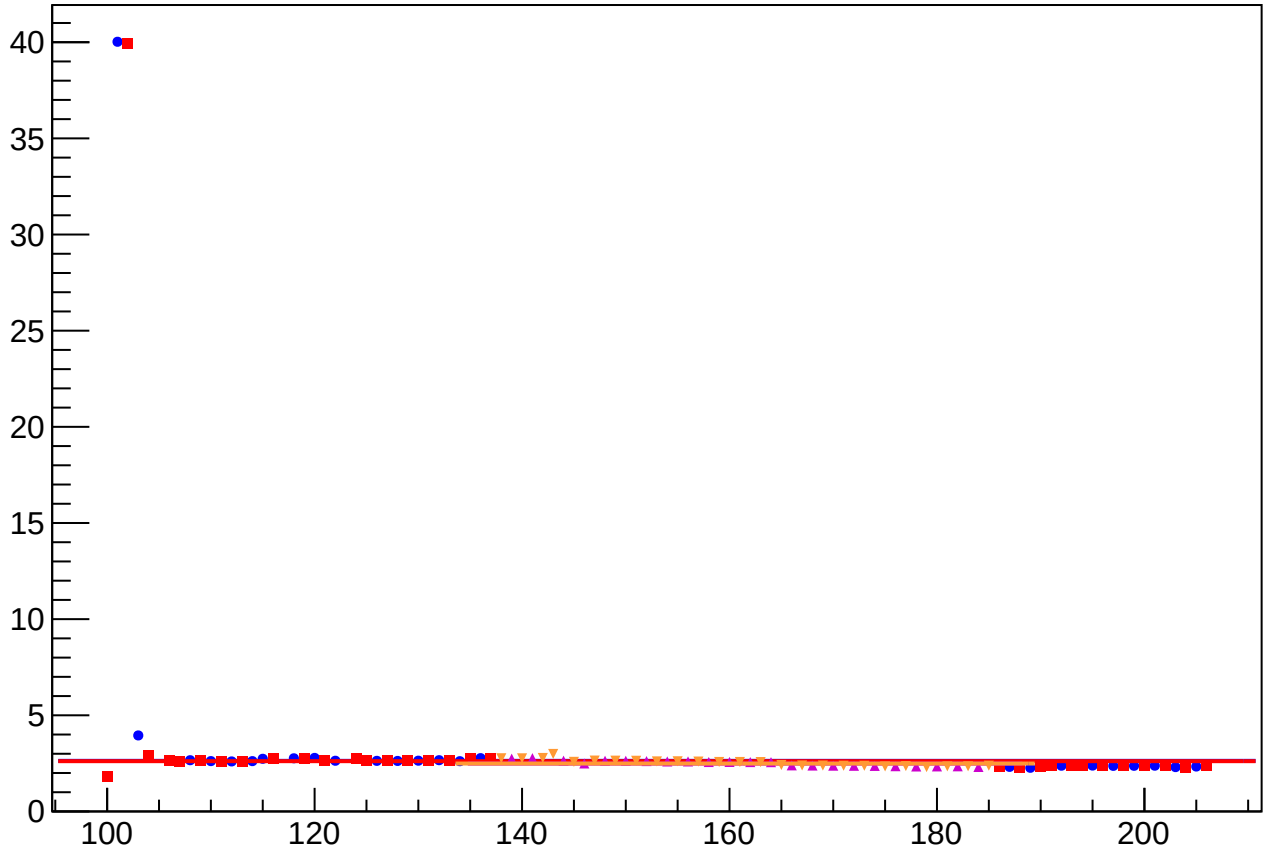
Left In: 0.019+/-0.000 χ^2/NDF:540886.4/22

+ sign 0.018+/-0.000 χ^2/NDF: 7116478.6/49

All: 0.019+/-0.000 χ^2/NDF: 14889705.3/103

- sign 0.019+/-0.000 χ^2/NDF: 7690151.5/53

yield_sam7_mean vs Slug



Right In: 2.631+/-0.000 χ^2/NDF: 82962650379.0/24

Left Out: 2.491+/-0.000 χ^2/NDF:92364283353.6/24

Right Out: 2.615+/-0.000 χ^2/NDF: 83298227683.5/30

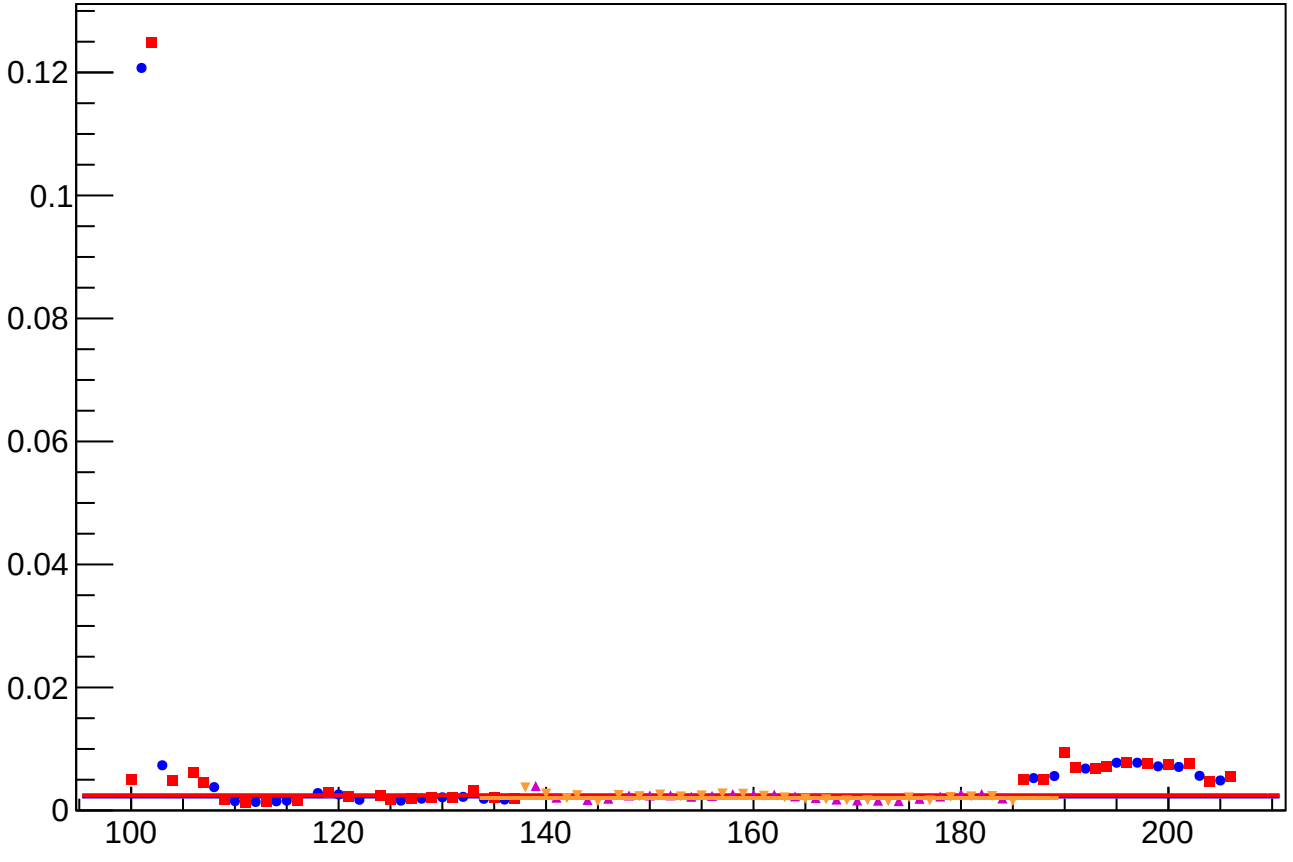
Left In: 2.489+/-0.000 χ^2/NDF:61212546319.1/22

+ sign 2.533+/-0.000 χ^2/NDF: 197418774930.2/49

All: 2.531+/-0.000 χ^2/NDF: 359555841716.1

- sign 2.529+/-0.000 χ^2/NDF: 162095062544.1/53

yield_sam7_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 8005964.4/24

Left Out: 0.002+/-0.000 χ^2/NDF:1556481.5/24

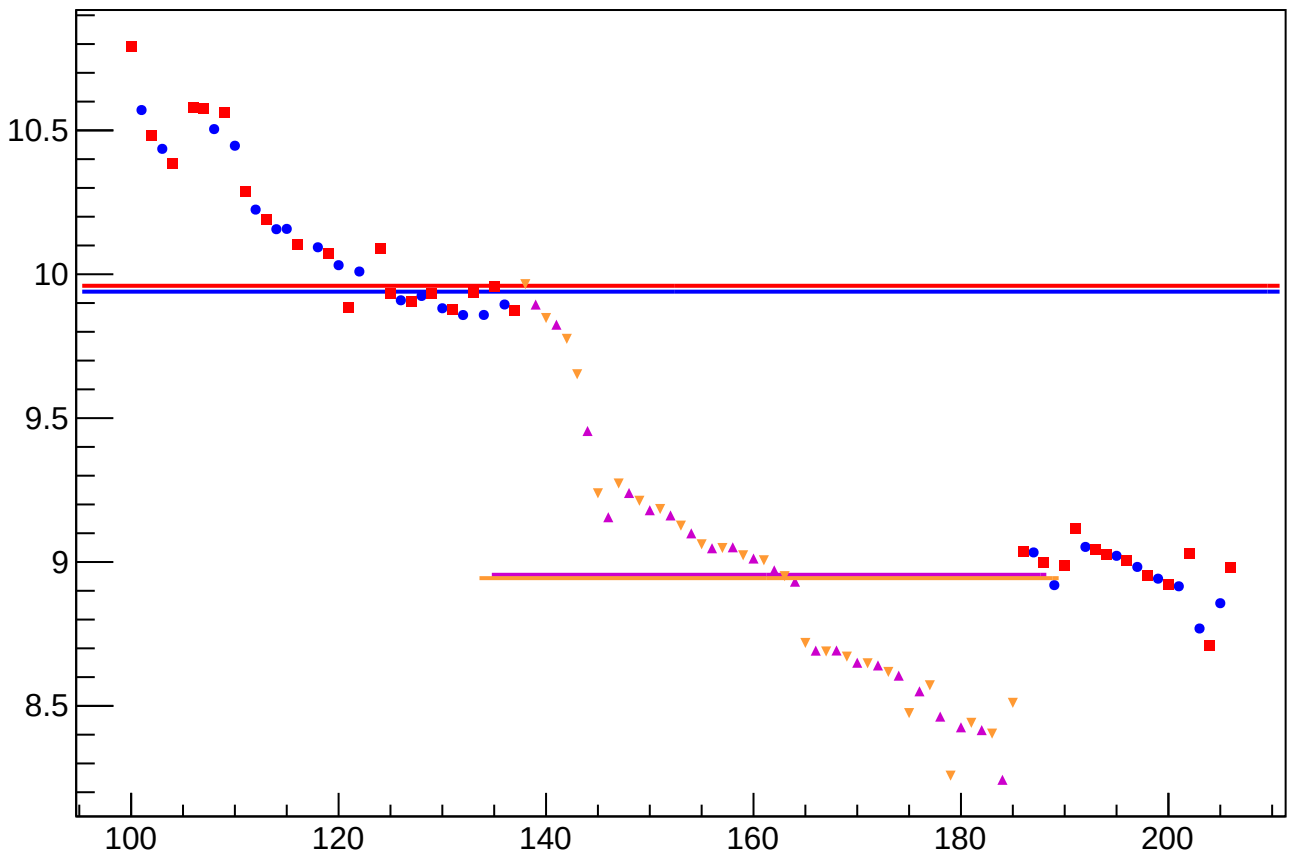
Right Out: 0.002+/-0.000 χ^2/NDF: 10071095.1/30

Left In: 0.002+/-0.000 χ^2/NDF:1402331.9/22

+ sign 0.002+/-0.000 χ^2/NDF: 9695680.7/49

All: 0.002+/-0.000 χ^2/NDF: 21593934.5/103

- sign 0.002+/-0.000 χ^2/NDF: 11845251.3/53



Right In: 9.940+/-0.000 χ^2/NDF: 47190733041.2/24

Left Out: 8.944+/-0.000 χ^2/NDF:65887712966.5/24

Right Out: 9.960+/-0.000 χ^2/NDF: 59489456427.9/30

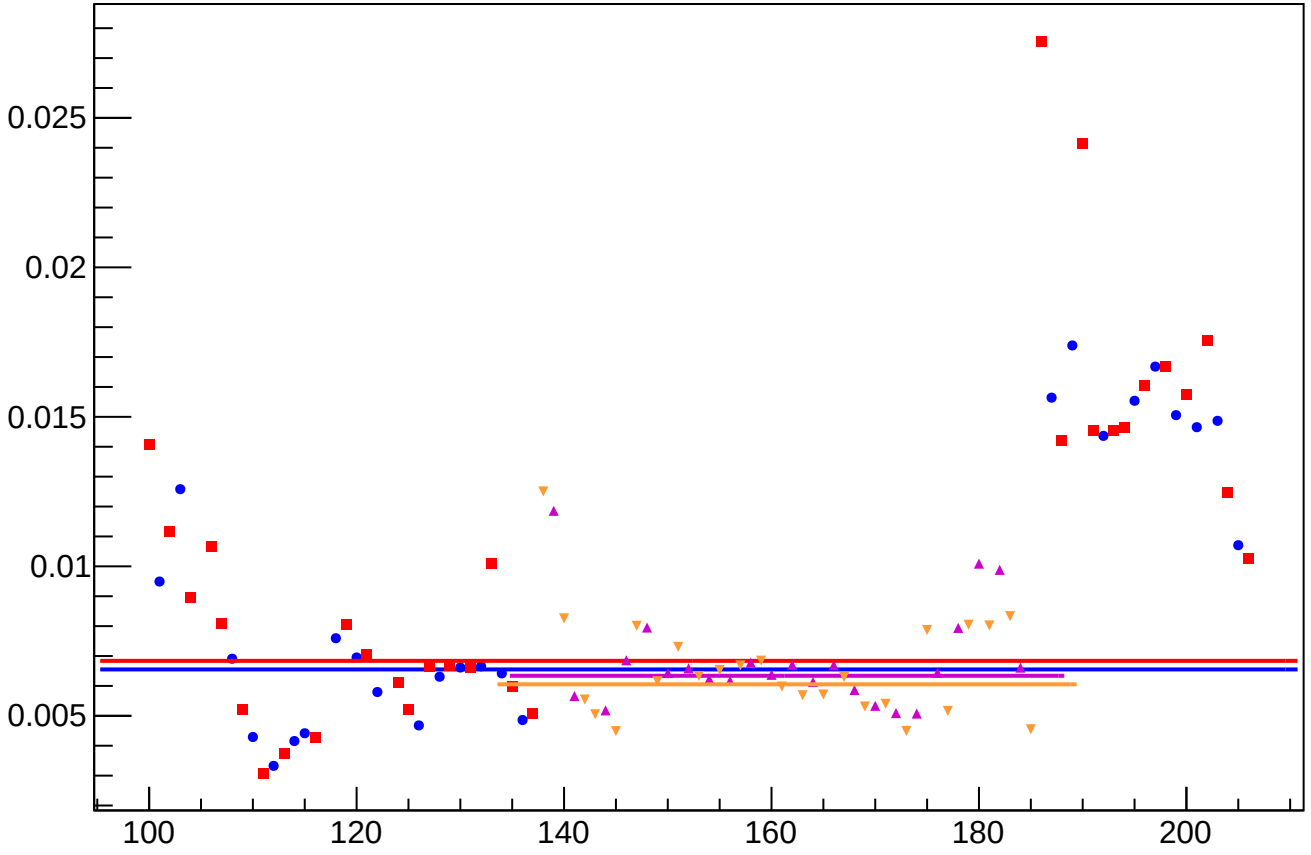
Left In: 8.956+/-0.000 χ^2/NDF:51572164470.4/22

+ sign 9.293+/-0.000 χ^2/NDF: 257989022514.4/49

All: 9.323+/-0.000 χ^2/NDF: 515152042529.4

- sign 9.354+/-0.000 χ^2/NDF: 256019512803.5/53

yield_sam8_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF: 5939675.6/24

Left Out: 0.006+/-0.000 χ^2/NDF:1461022.8/24

Right Out: 0.007+/-0.000 χ^2/NDF: 7955913.7/30

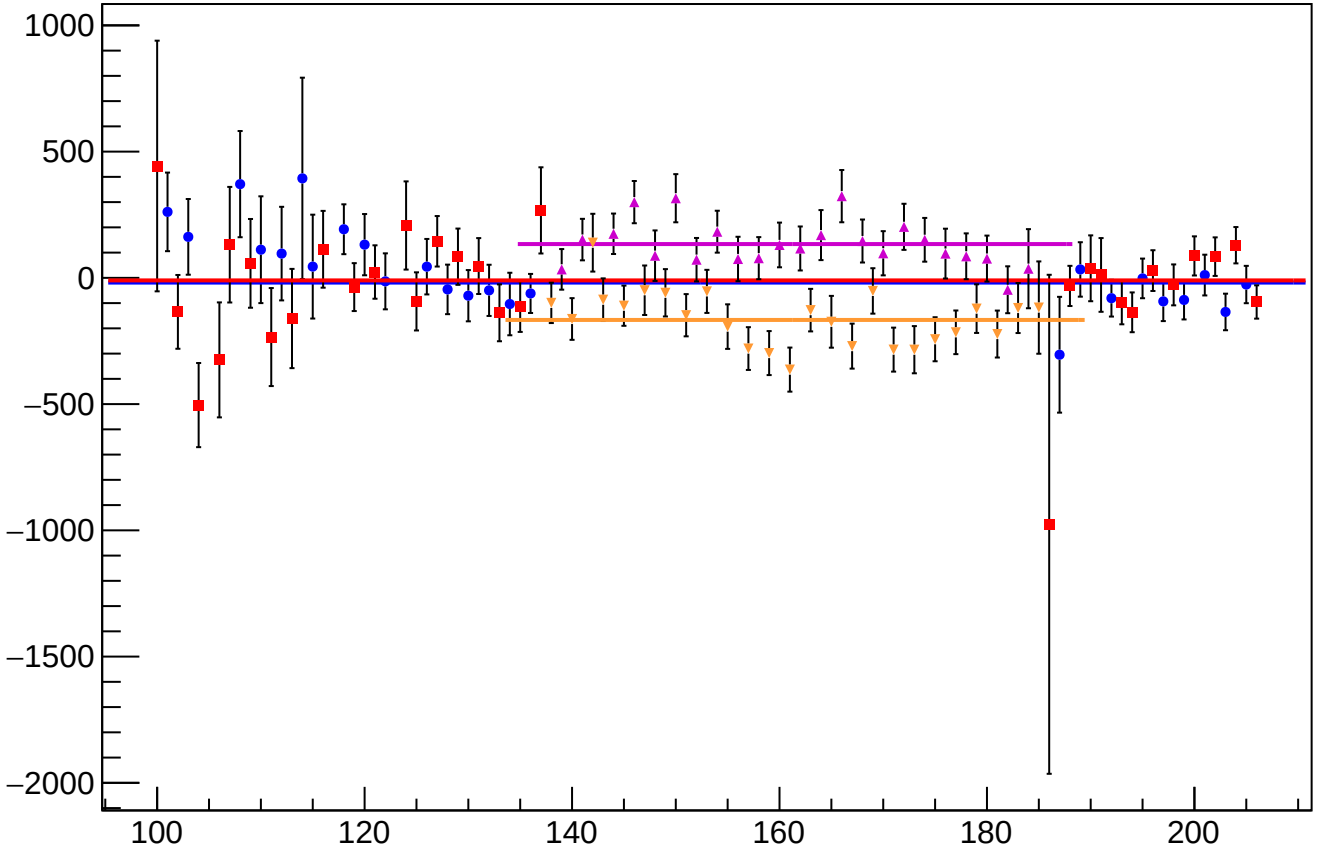
Left In: 0.006+/-0.000 χ^2/NDF:1175260.9/22

+ sign 0.006+/-0.000 χ^2/NDF: 7473174.5/49

All: 0.006+/-0.000 χ^2/NDF: 16735279.7/103

- sign 0.007+/-0.000 χ^2/NDF: 9202799.9/53

reg_asym_sam1_mean vs Slug



Right In: -18.695+/-20.543 χ^2/NDF: 24.7/24

Left Out: -166.676+/-18.079 χ^2/NDF:31.6/24

Right Out: -10.076+/-19.369 χ^2/NDF: 39.6/30

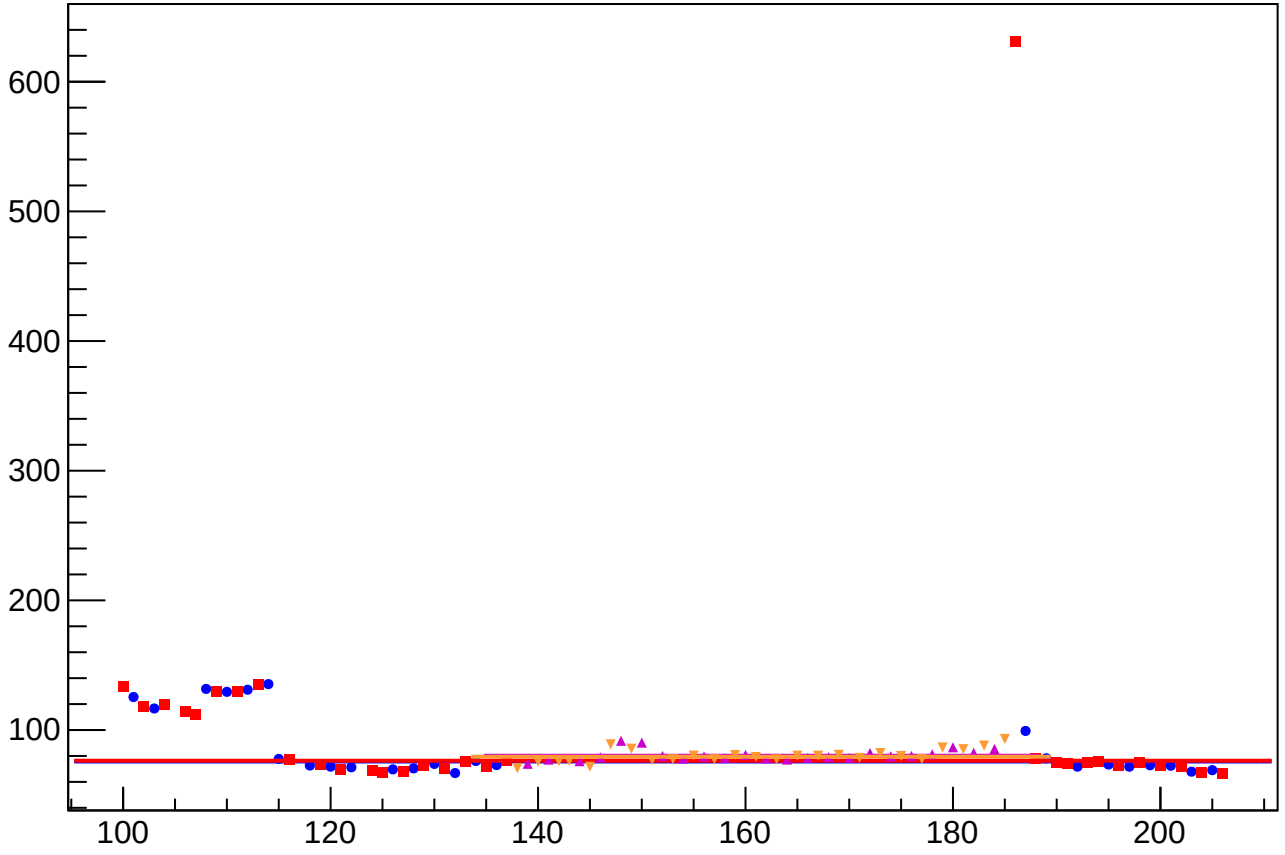
Left In: 133.843+/-18.756 χ^2/NDF:20.7/22

+ sign -102.087+/-13.572 χ^2/NDF: 85.6/49

All: -18.344+/-9.562 χ^2/NDF: 250.0/103

- sign 64.198+/-13.474 χ^2/NDF: 88.9/53

reg_asym_sam1_rms vs Slug



Right In: 75.749+/-0.015 χ^2/NDF: 966302.6/24

Left Out: 79.410+/-0.013 χ^2/NDF:134796.0/24

Right Out: 76.315+/-0.014 χ^2/NDF: 1726554.2/30

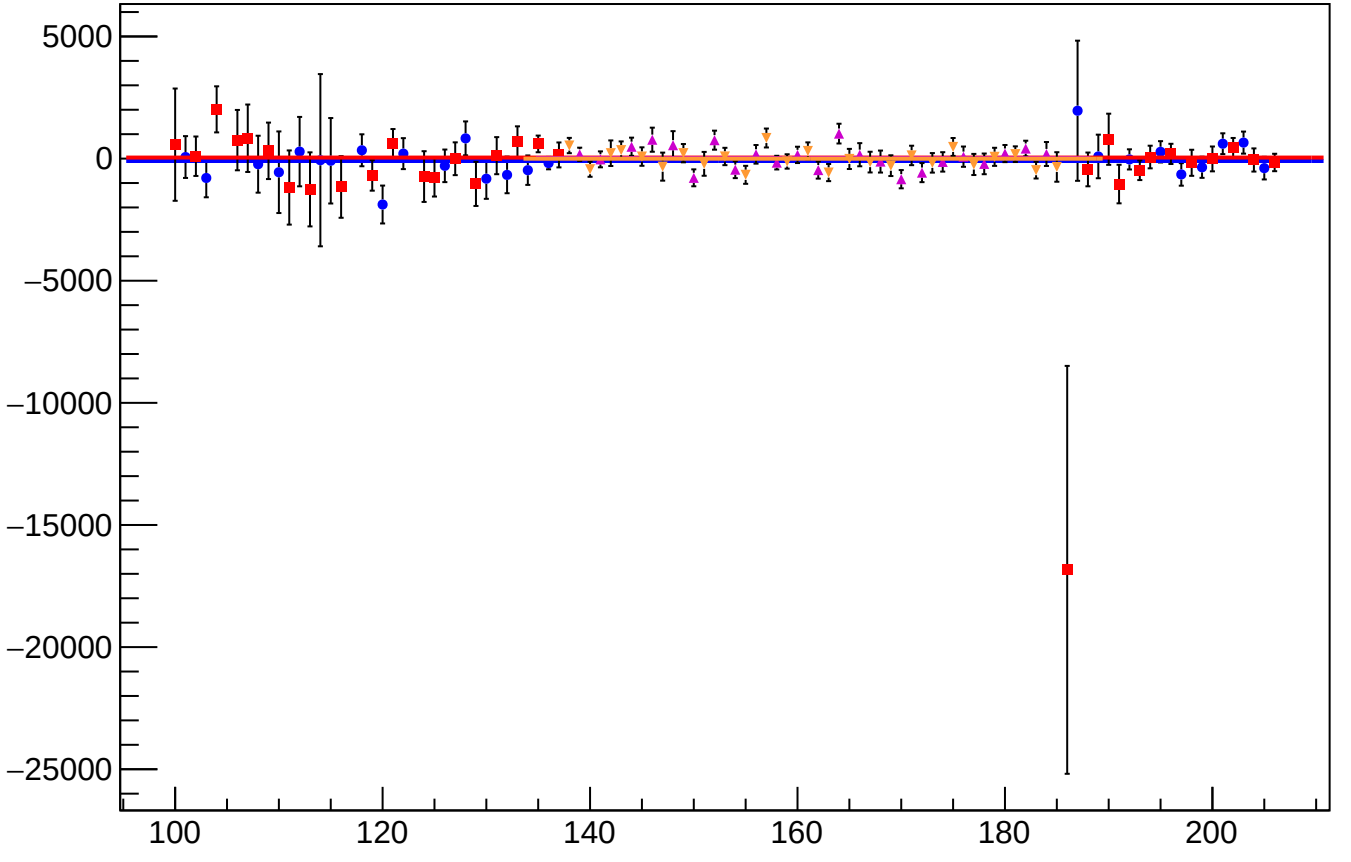
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 77.812+/-0.010 χ^2/NDF: 1136903.9/49

All: 78.058+/-0.007 χ^2/NDF: 2996901.6/103

- sign 78.299+/-0.010 χ^2/NDF: 1858699.9/53

asym_sam1_reg_correction_mean vs Slug



Right In: -98.448+/-115.566 χ^2/NDF: 19.7/24

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 42.216+/-110.611 χ^2/NDF: 27.0/30

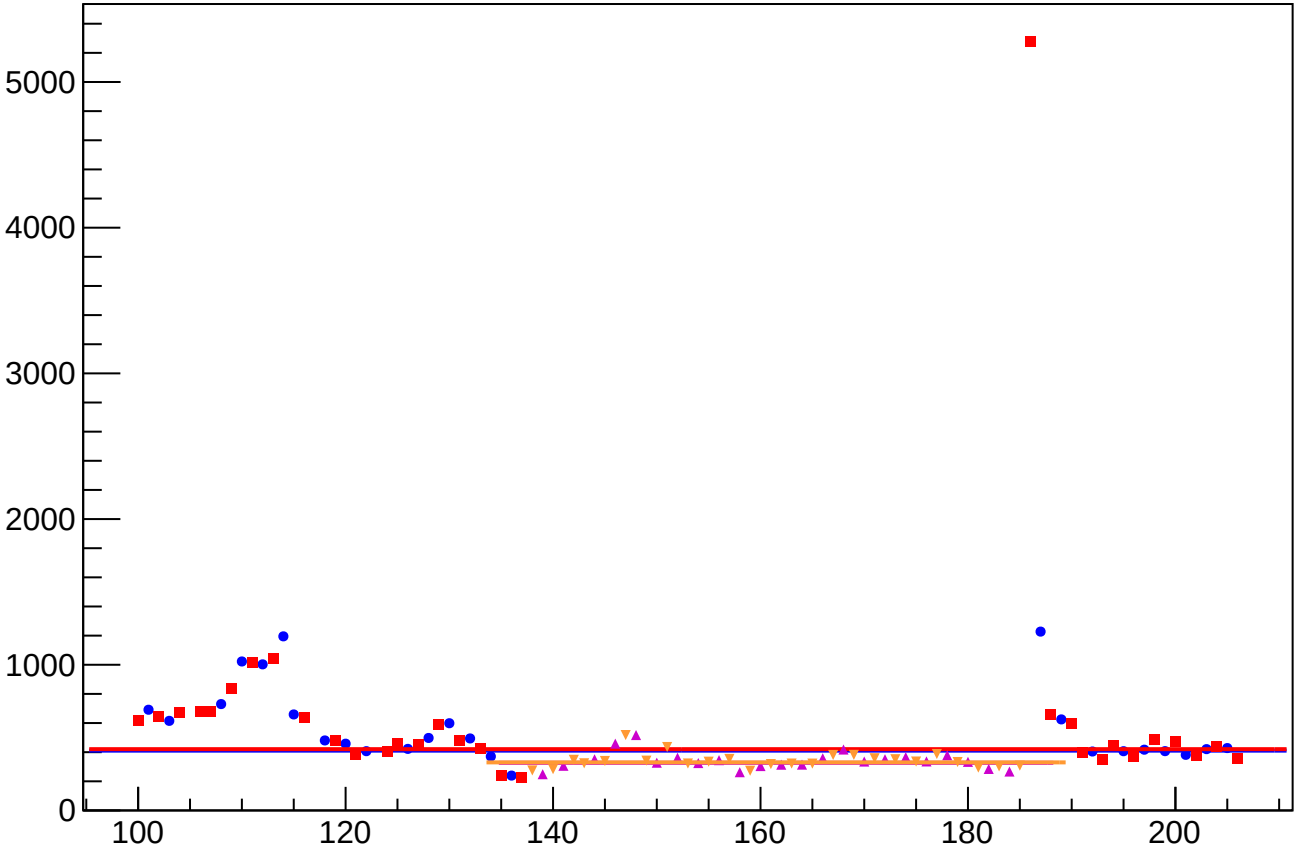
Left In: 19.298+/-77.541 χ^2/NDF:35.0/22

+ sign -32.075+/-63.419 χ^2/NDF: 44.2/49

All: -2.647+/-44.870 χ^2/NDF: 106.7/103

- sign 26.850+/-63.493 χ^2/NDF: 62.1/53

asym_sam1_reg_correction_rms vs Slug



Right In: 410.631+/-0.082 χ^2/NDF: 2656671.7/24

Left Out: 329.968+/-0.054 χ^2/NDF:659241.4/24

Right Out: 420.709+/-0.078 χ^2/NDF: 3592640.0/30

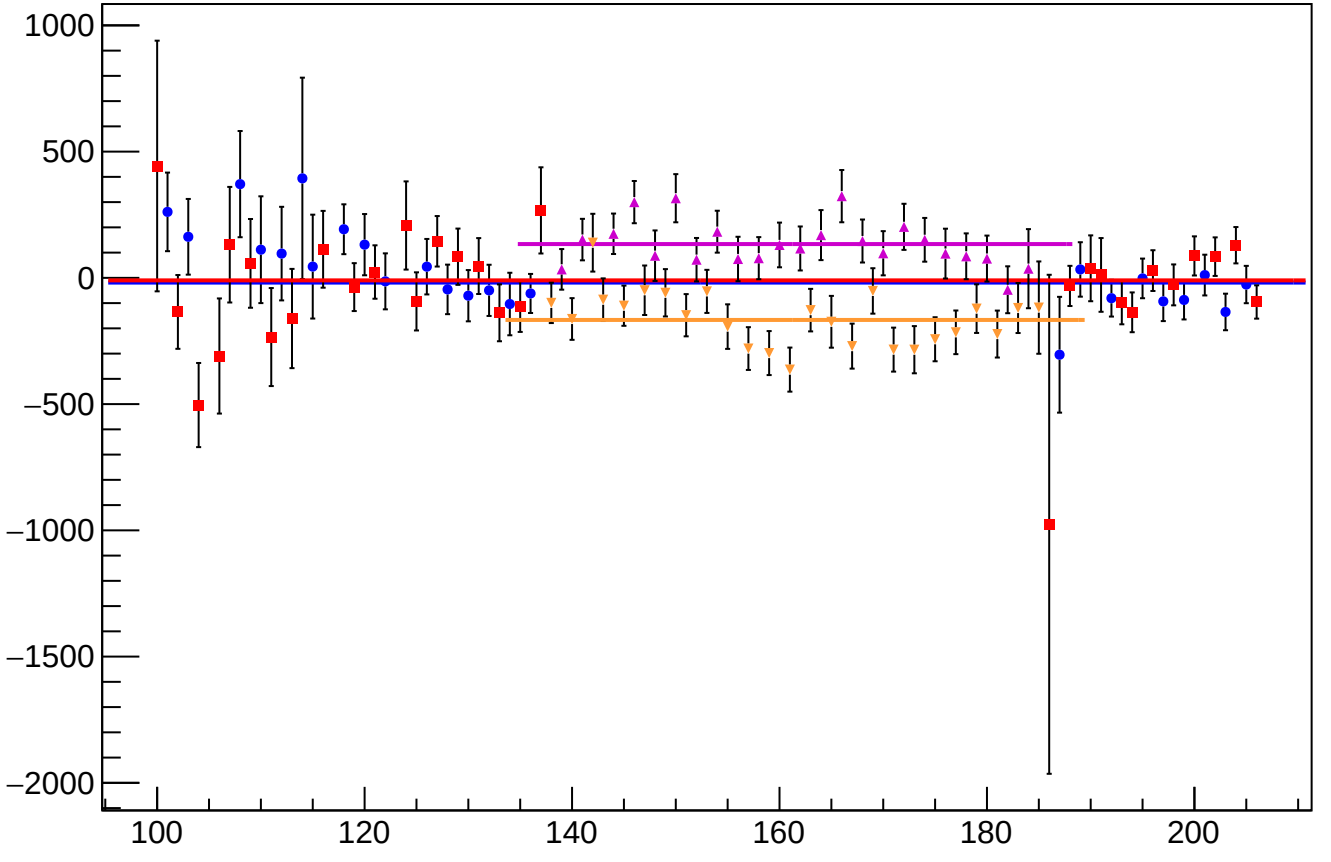
Left In: 326.963+/-0.055 χ^2/NDF:899326.3/22

+ sign 354.259+/-0.045 χ^2/NDF: 3996845.8/49

All: 356.054+/-0.032 χ^2/NDF: 9455263.3/103

- sign 357.853+/-0.045 χ^2/NDF: 5455210.8/53

cor_asym_sam1_mean vs Slug



Right In: -18.692+/-20.543 χ^2/NDF: 24.7/24

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -9.959+/-19.369 χ^2/NDF: 39.4/30

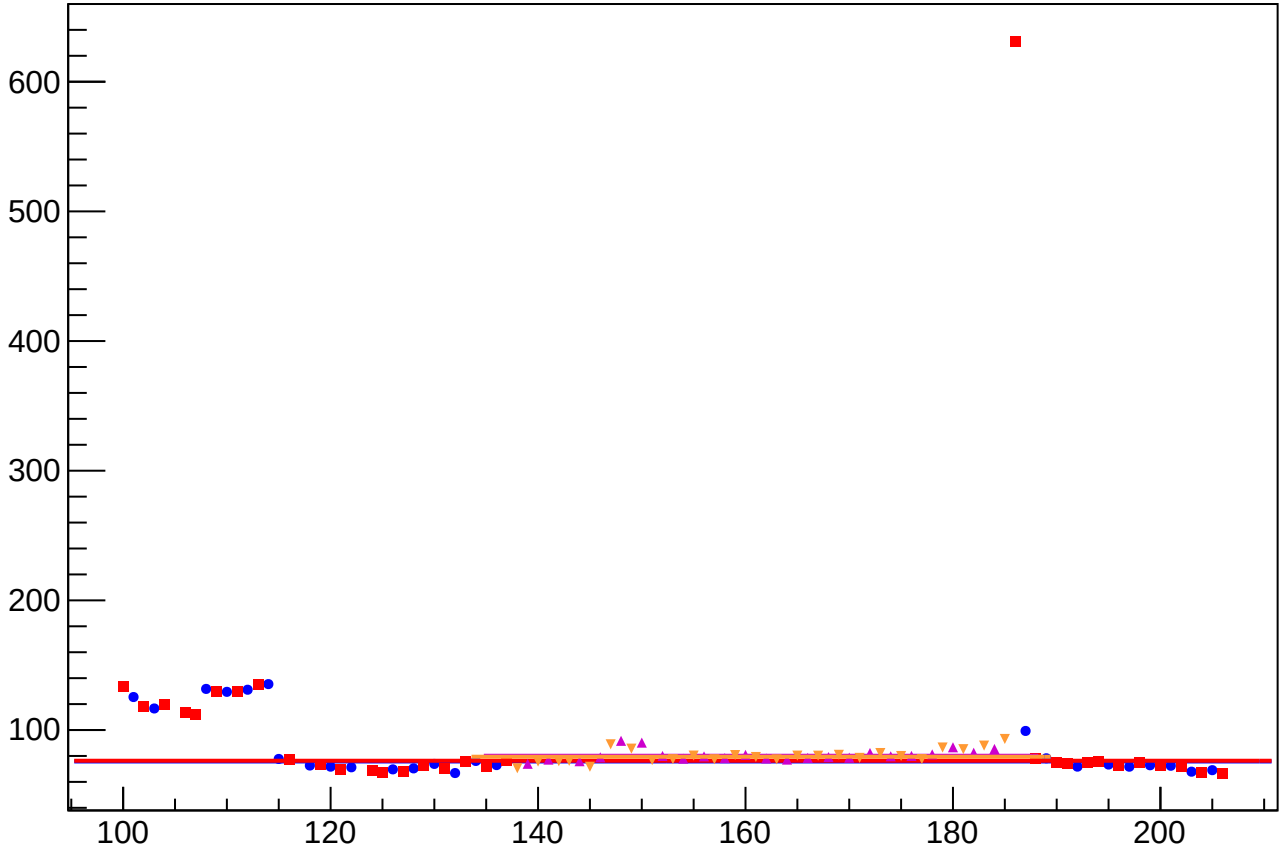
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -102.085+/-13.572 χ^2/NDF: 85.6/49

All: -18.313+/-9.562 χ^2/NDF: 249.9/103

- sign 64.259+/-13.474 χ^2/NDF: 88.6/53

cor_asym_sam1_rms vs Slug



Right In: 75.749+/-0.015 χ^2/NDF: 966302.8/24

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 76.309+/-0.014 χ^2/NDF: 1724325.3/30

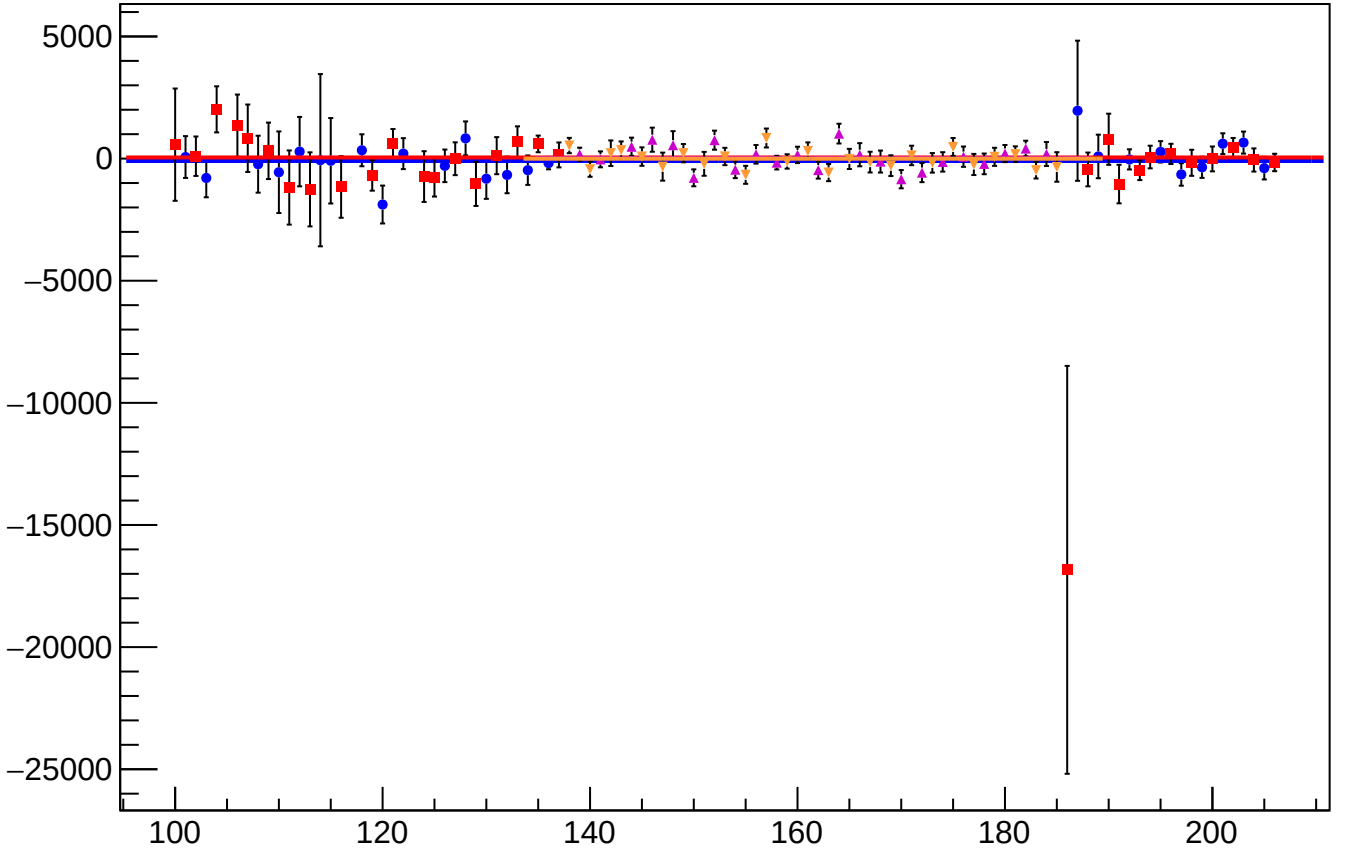
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 77.812+/-0.010 χ^2/NDF: 1136904.1/49

All: 78.056+/-0.007 χ^2/NDF: 2994783.7/103

- sign 78.297+/-0.010 χ^2/NDF: 1856597.1/53

asym_sam1_cor_correction_mean vs Slug



Right In: -98.448+/-115.566 χ^2/NDF: 19.7/24

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 46.338+/-110.638 χ^2/NDF: 27.7/30

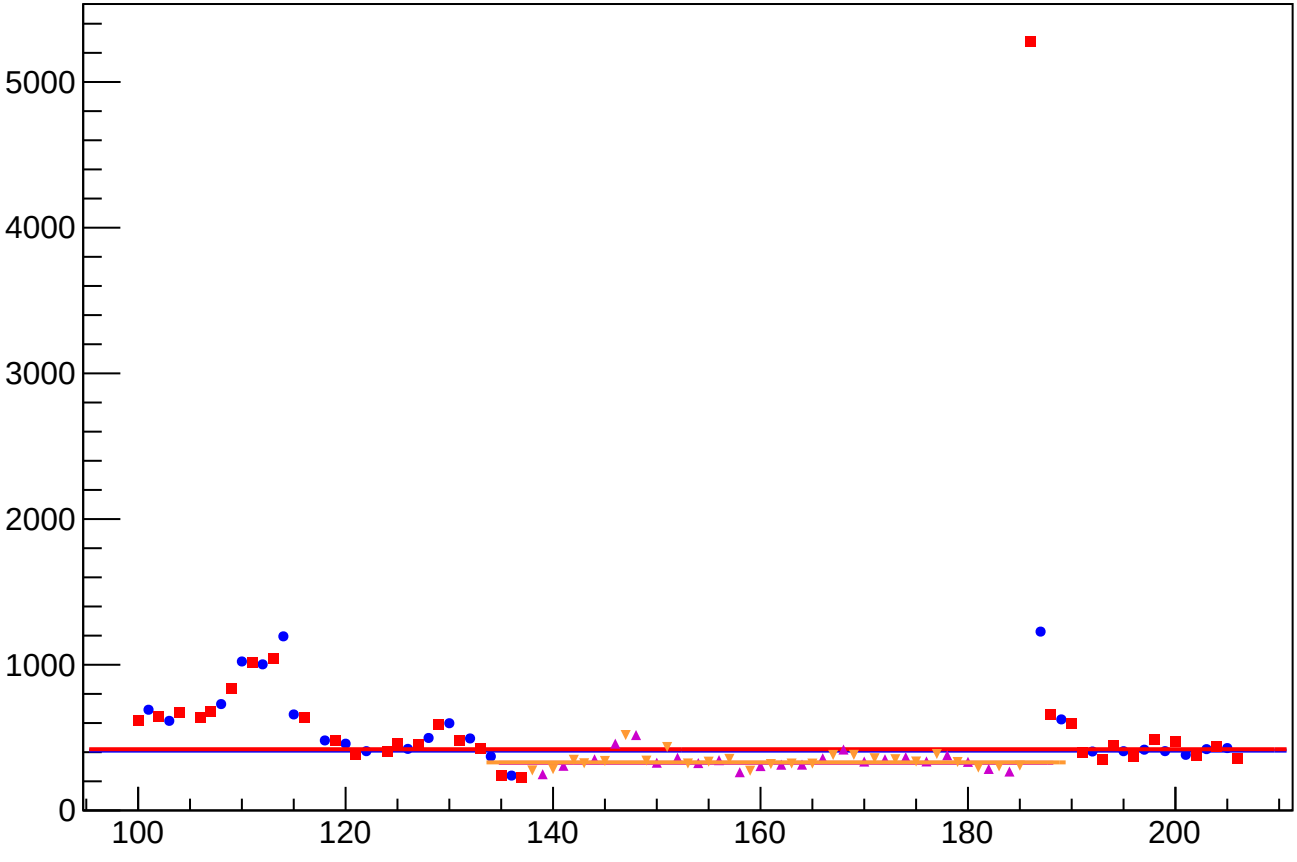
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -32.075+/-63.419 χ^2/NDF: 44.2/49

All: -1.970+/-44.872 χ^2/NDF: 107.4/103

- sign 28.210+/-63.498 χ^2/NDF: 62.8/53

asym_sam1_cor_correction_rms vs Slug



Right In: 410.631+/-0.082 χ^2/NDF: 2656666.3/24

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 420.289+/-0.078 χ^2/NDF: 3564193.5/30

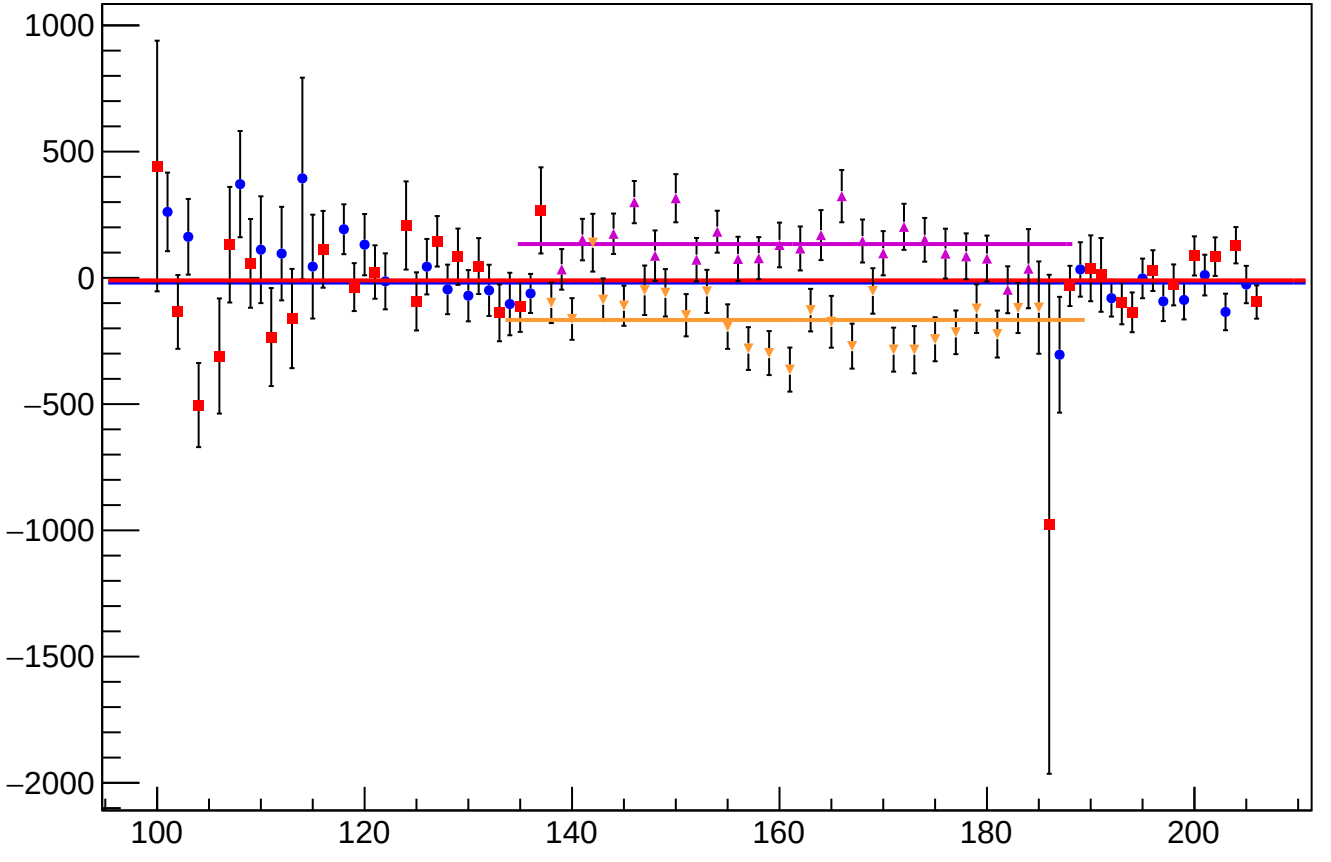
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 354.259+/-0.045 χ^2/NDF: 3996853.6/49

All: 355.980+/-0.032 χ^2/NDF: 9417640.1/103

- sign 357.704+/-0.045 χ^2/NDF: 5417839.6/53

eigen_cor_asym_sam1_mean vs Slug



Right In: -18.692+/-20.543 χ^2/NDF: 24.7/24

Left Out: -166.675+/-18.079 χ^2/NDF:31.6/24

Right Out: -9.959+/-19.369 χ^2/NDF: 39.4/30

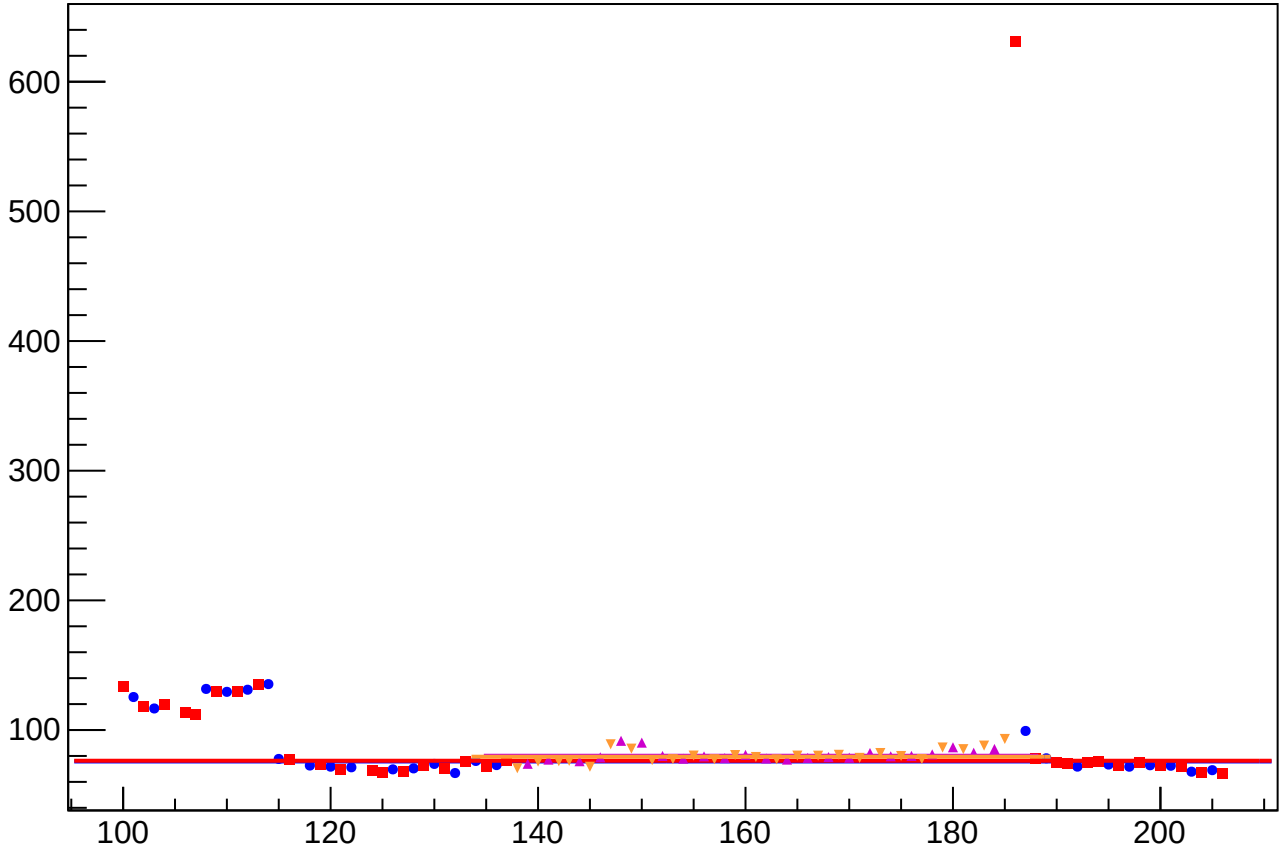
Left In: 133.850+/-18.756 χ^2/NDF:20.7/22

+ sign -102.085+/-13.572 χ^2/NDF: 85.6/49

All: -18.313+/-9.562 χ^2/NDF: 249.9/103

- sign 64.259+/-13.474 χ^2/NDF: 88.6/53

eigen_cor_asym_sam1_rms vs Slug



Right In: 75.749+/-0.015 χ^2/NDF: 966302.8/24

Left Out: 79.410+/-0.013 χ^2/NDF:134796.1/24

Right Out: 76.309+/-0.014 χ^2/NDF: 1724325.3/30

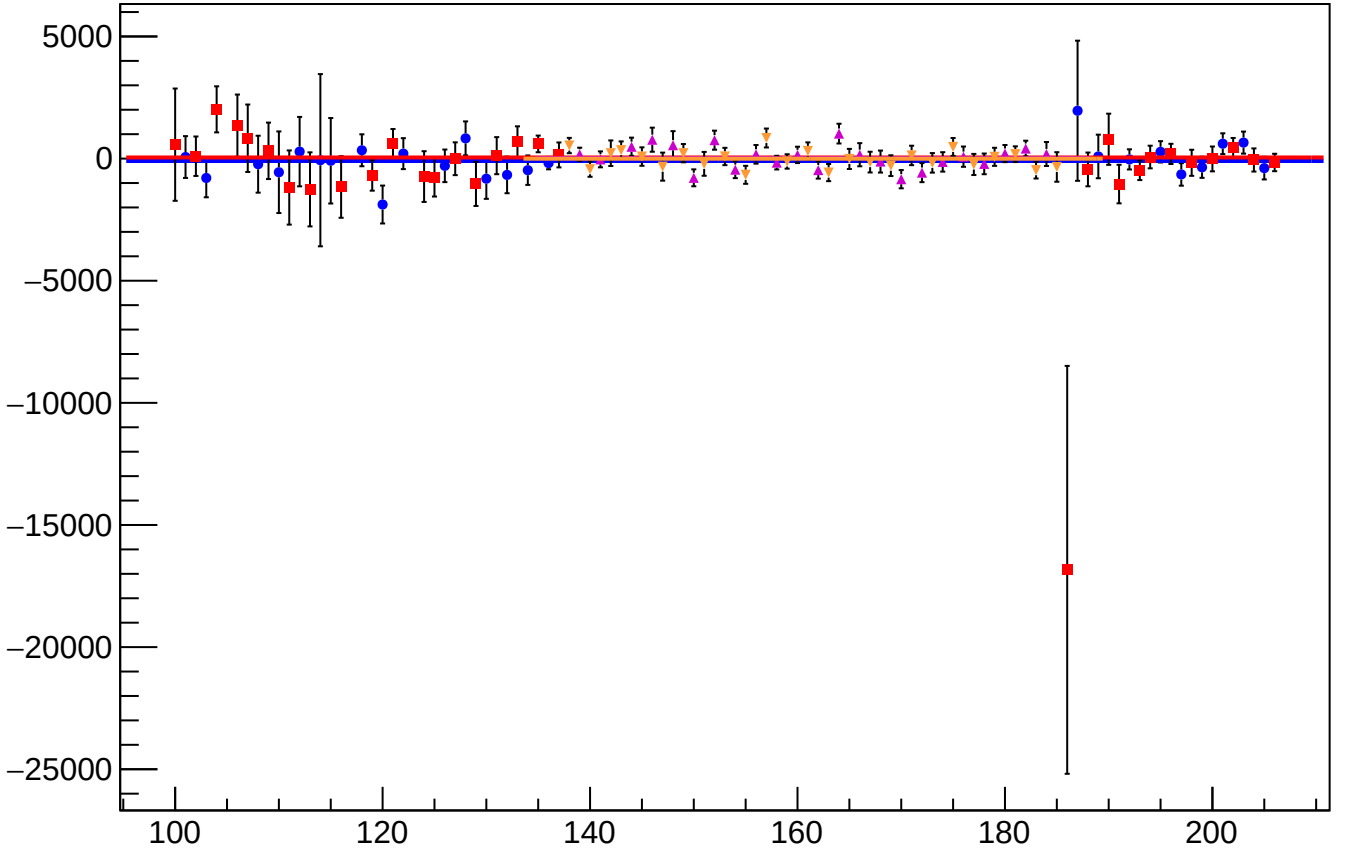
Left In: 80.160+/-0.013 χ^2/NDF:91469.5/22

+ sign 77.812+/-0.010 χ^2/NDF: 1136904.1/49

All: 78.056+/-0.007 χ^2/NDF: 2994783.7/103

- sign 78.297+/-0.010 χ^2/NDF: 1856597.1/53

asym_sam1_eigen_cor_correction_mean vs Slug



Right In: -98.448+/-115.566 χ^2/NDF: 19.7/24

Left Out: -3.474+/-75.863 χ^2/NDF:24.0/24

Right Out: 46.338+/-110.638 χ^2/NDF: 27.7/30

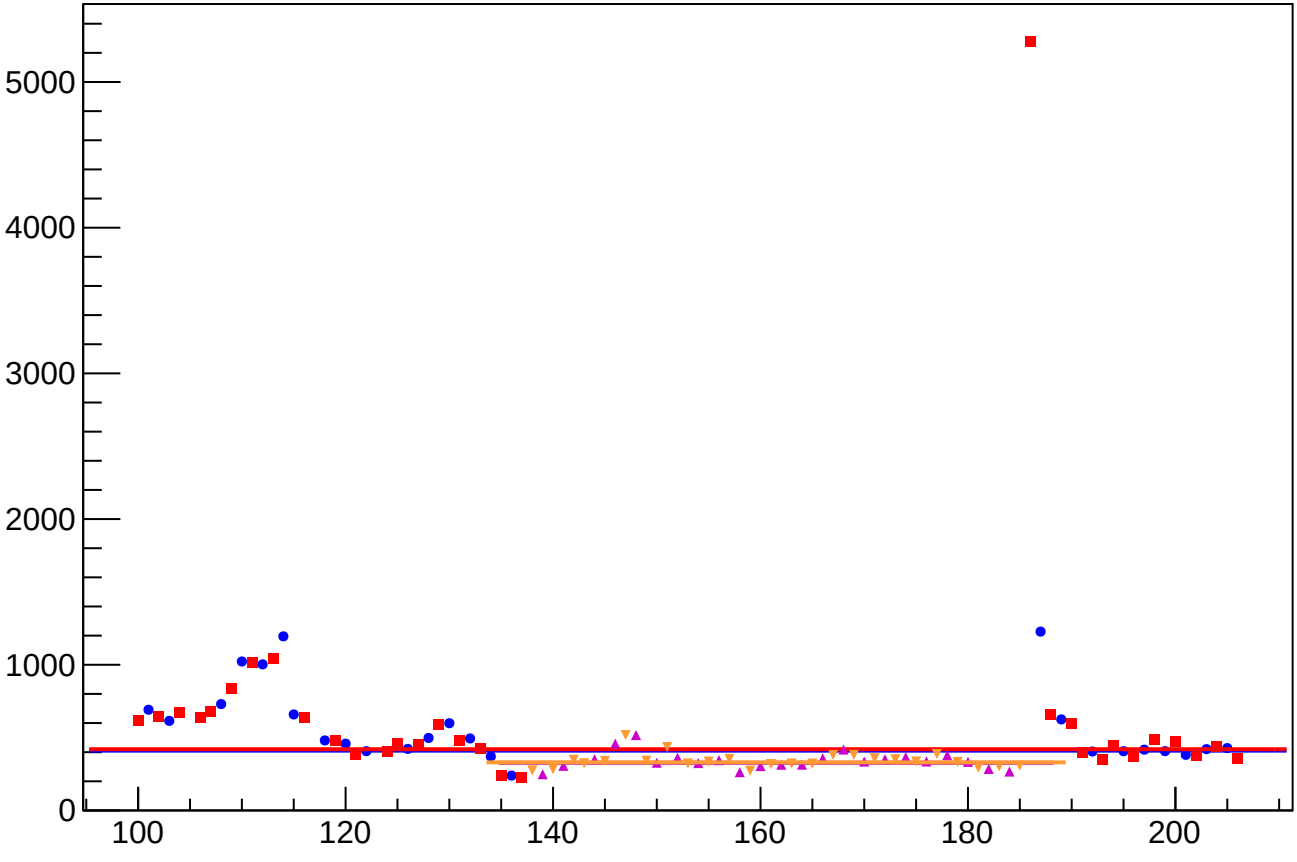
Left In: 19.305+/-77.541 χ^2/NDF:35.0/22

+ sign -32.075+/-63.419 χ^2/NDF: 44.2/49

All: -1.970+/-44.872 χ^2/NDF: 107.4/103

- sign 28.210+/-63.498 χ^2/NDF: 62.8/53

asym_sam1_eigen_cor_correction_rms vs Slug



Right In: 410.631+/-0.082 χ^2/NDF: 2656666.3/24

Left Out: 329.968+/-0.054 χ^2/NDF:659249.8/24

Right Out: 420.289+/-0.078 χ^2/NDF: 3564193.5/30

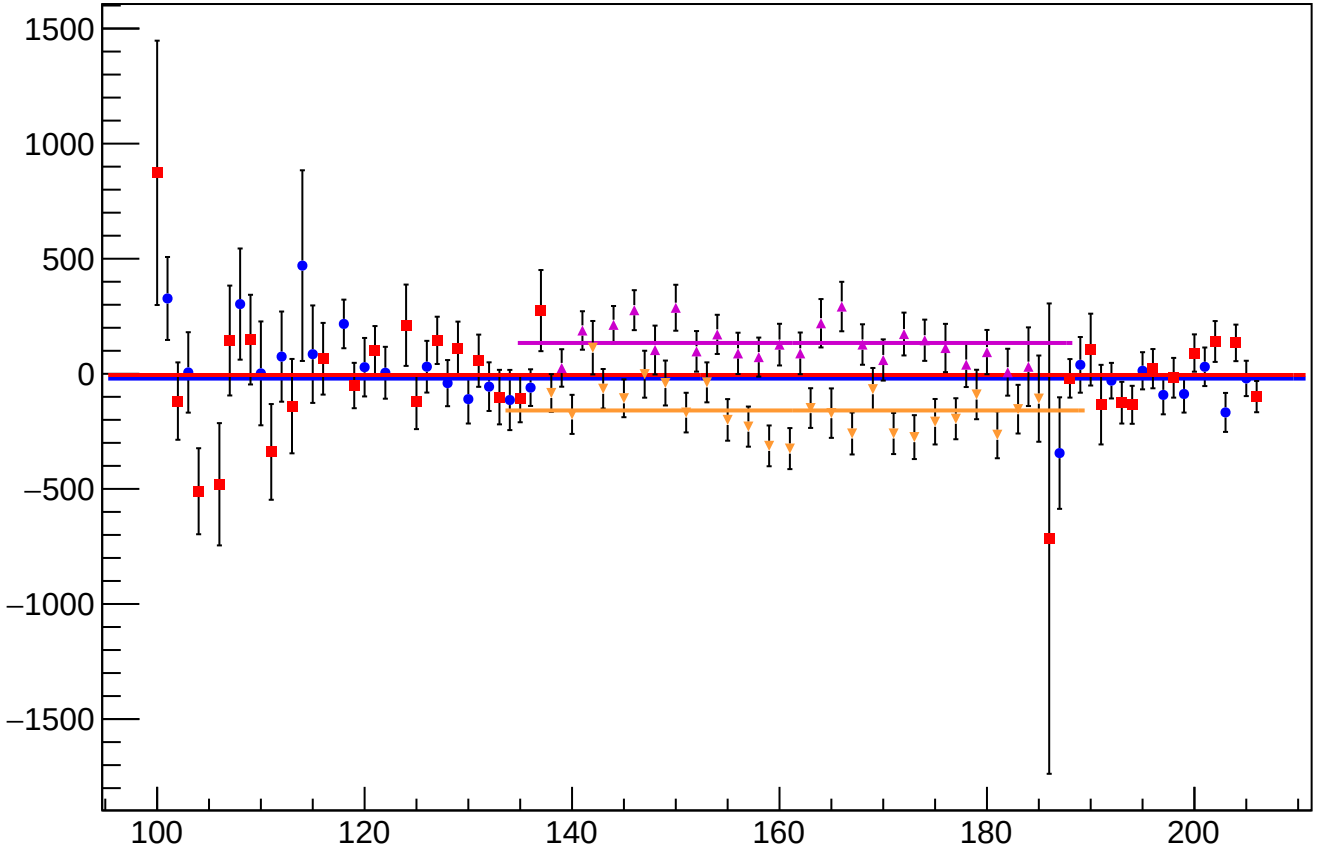
Left In: 326.963+/-0.055 χ^2/NDF:899329.3/22

+ sign 354.259+/-0.045 χ^2/NDF: 3996853.6/49

All: 355.980+/-0.032 χ^2/NDF: 9417640.1/103

- sign 357.704+/-0.045 χ^2/NDF: 5417839.6/53

dit_asym_sam1_mean vs Slug



Right In: -20.745+/-21.769 χ^2/NDF: 21.5/24

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -5.137+/-20.568 χ^2/NDF: 43.8/30

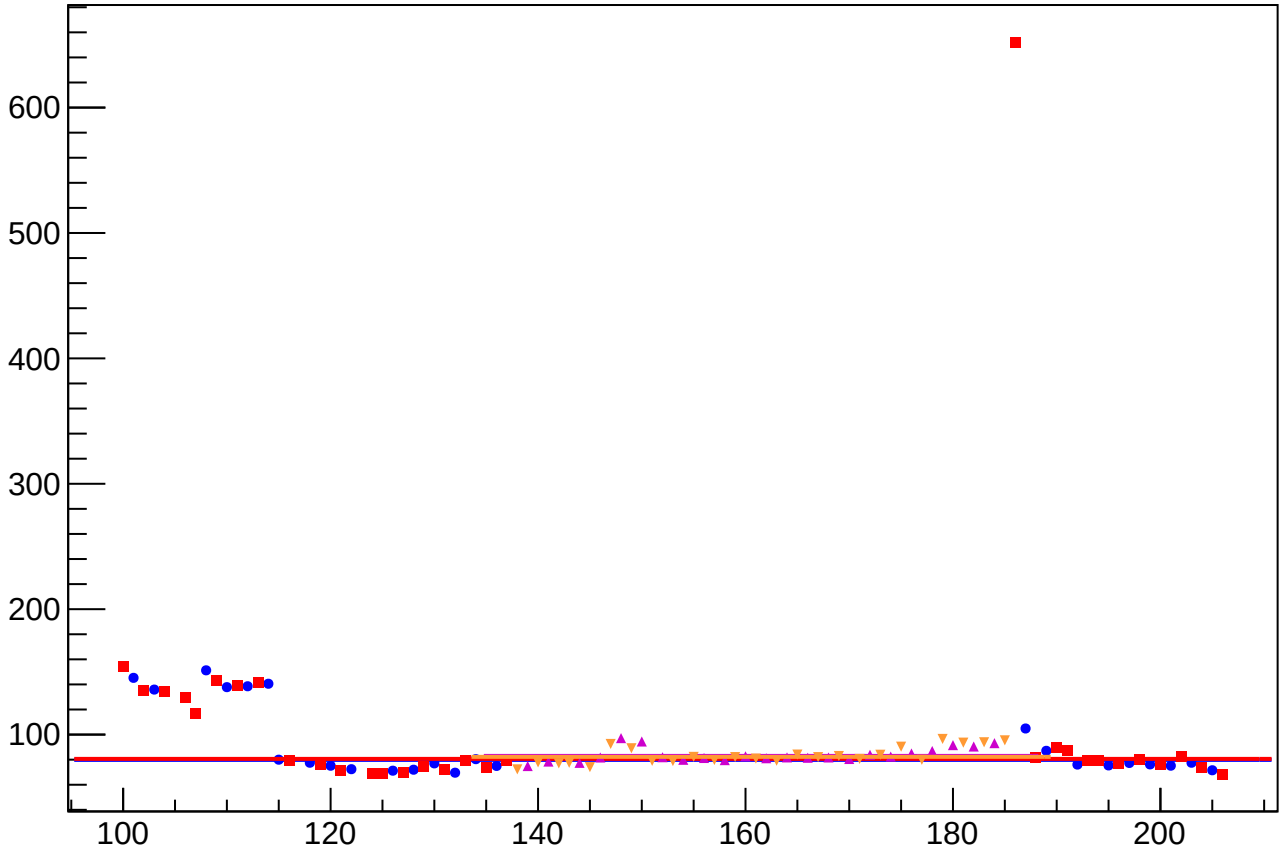
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -100.246+/-14.206 χ^2/NDF: 72.9/49

All: -15.483+/-10.018 χ^2/NDF: 228.1/103

- sign 68.353+/-14.128 χ^2/NDF: 84.4/53

dit_asym_sam1_rms vs Slug



Right In: 79.831+/-0.015 χ^2/NDF: 1138567.5/24

Left Out: 82.247+/-0.013 χ^2/NDF:216548.3/24

Right Out: 80.620+/-0.015 χ^2/NDF: 1891071.7/30

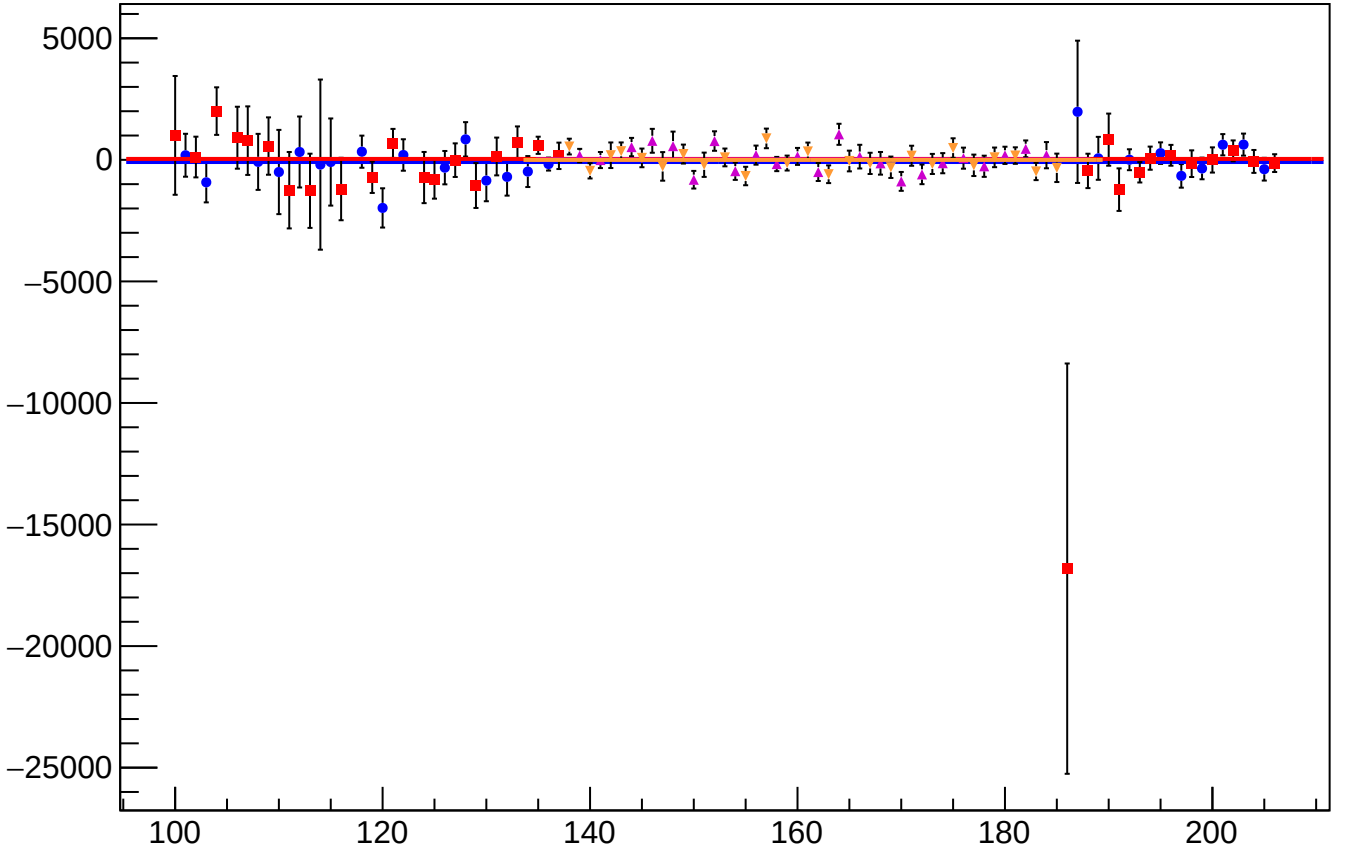
Left In: 82.993+/-0.014 χ^2/NDF:145608.6/22

+ sign 81.218+/-0.010 χ^2/NDF: 1369260.4/49

All: 81.548+/-0.007 χ^2/NDF: 3422141.6/103

- sign 81.873+/-0.010 χ^2/NDF: 2050743.8/53

asym_sam1_dit_correction_mean vs Slug



Right In: -89.520+/-119.178 χ^2/NDF: 19.6/24

Left Out: -3.095+/-78.582 χ^2/NDF:23.5/24

Right Out: 37.939+/-114.396 χ^2/NDF: 26.7/30

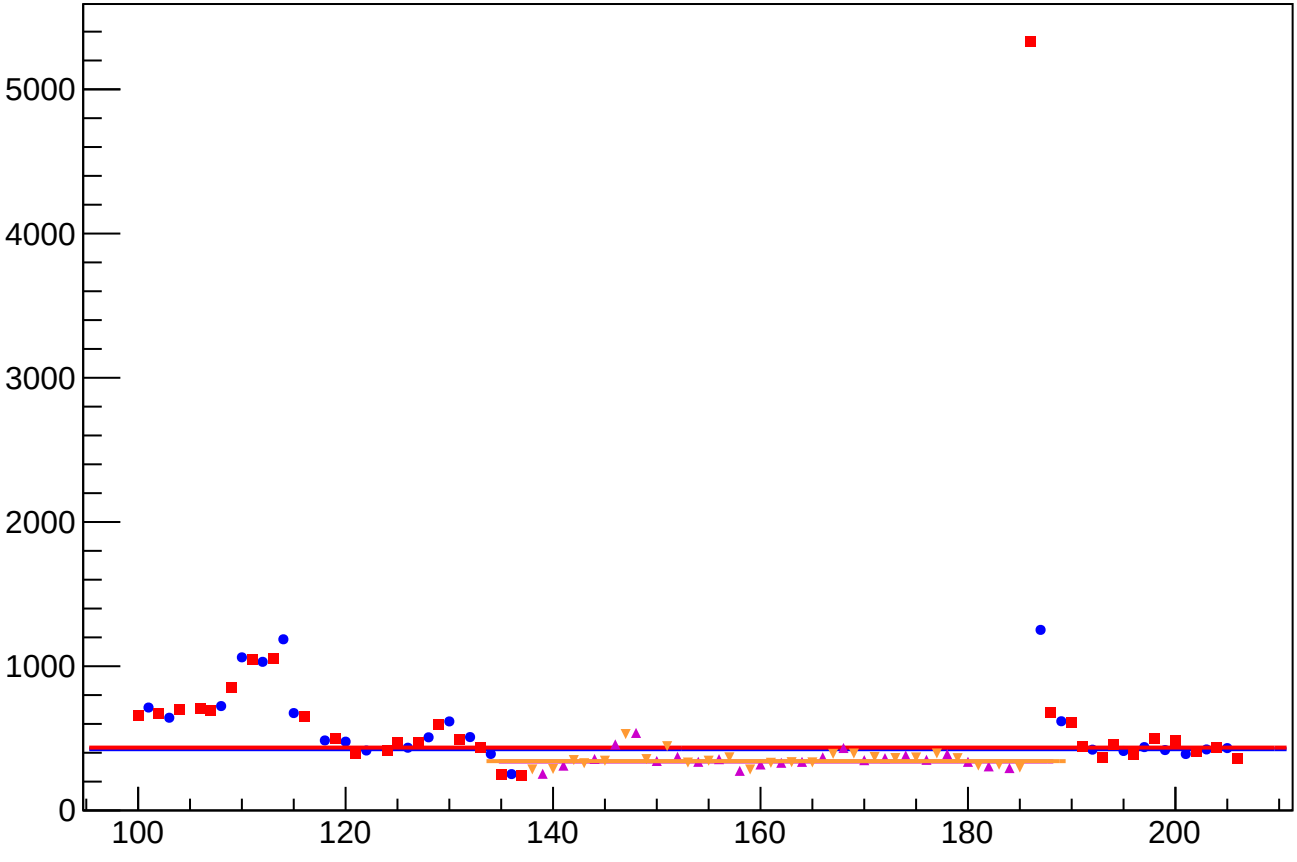
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -29.283+/-65.604 χ^2/NDF: 43.5/49

All: -2.913+/-46.453 χ^2/NDF: 105.4/103

- sign 23.602+/-65.784 χ^2/NDF: 61.6/53

asym_sam1_dit_correction_rms vs Slug



Right In: 424.674+/-0.084 χ^2/NDF: 2528089.6/24

Left Out: 341.918+/-0.056 χ^2/NDF:653930.4/24

Right Out: 435.924+/-0.081 χ^2/NDF: 3488292.5/30

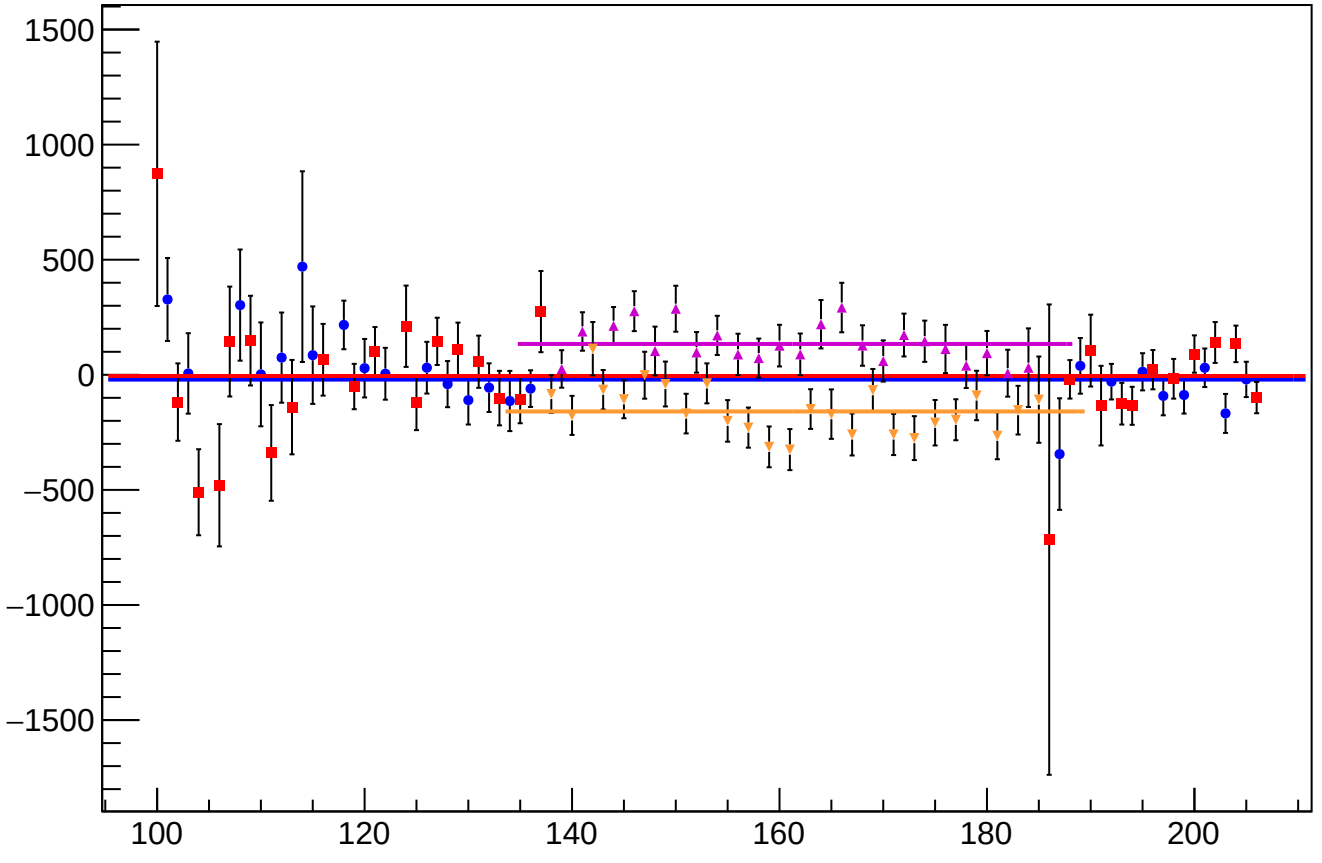
Left In: 339.430+/-0.057 χ^2/NDF:846706.0/22

+ sign 366.994+/-0.046 χ^2/NDF: 3854161.5/49

All: 369.161+/-0.033 χ^2/NDF: 9145981.8/103

- sign 371.339+/-0.047 χ^2/NDF: 5287445.9/53

eigen_dit_asym_sam1_mean vs Slug



Right In: -20.744+/-21.769 χ^2/NDF: 21.5/24

Left Out: -159.223+/-18.749 χ^2/NDF:28.2/24

Right Out: -5.136+/-20.568 χ^2/NDF: 43.8/30

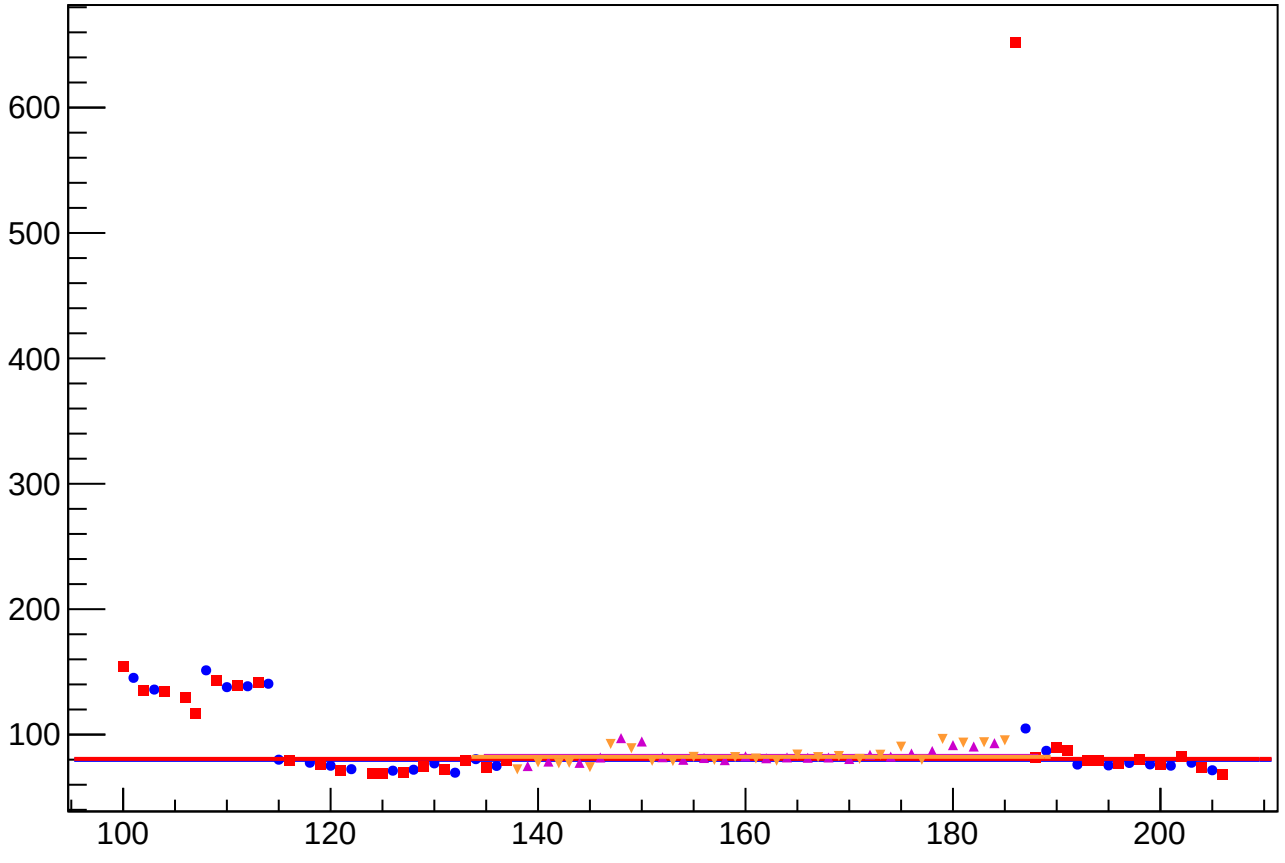
Left In: 134.010+/-19.441 χ^2/NDF:16.4/22

+ sign -100.245+/-14.206 χ^2/NDF: 72.9/49

All: -15.483+/-10.018 χ^2/NDF: 228.1/103

- sign 68.353+/-14.128 χ^2/NDF: 84.4/53

eigen_dit_asym_sam1_rms vs Slug



Right In: 79.831+/-0.015 χ^2/NDF: 1138568.7/24

Left Out: 82.247+/-0.013 χ^2/NDF:216548.5/24

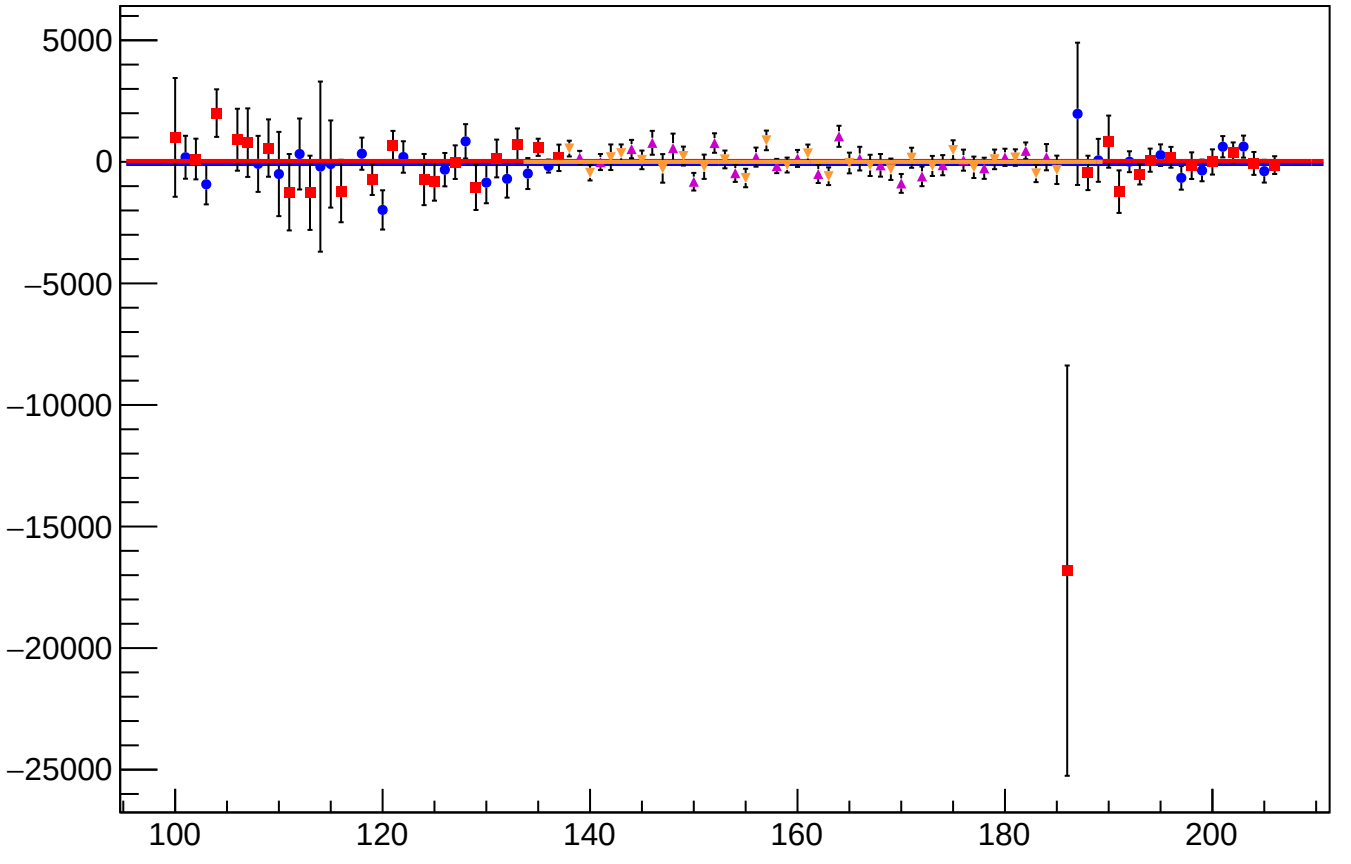
Right Out: 80.620+/-0.015 χ^2/NDF: 1891071.3/30

Left In: 82.993+/-0.014 χ^2/NDF:145607.1/22

+ sign 81.218+/-0.010 χ^2/NDF: 1369263.1/49

All: 81.547+/-0.007 χ^2/NDF: 3422143.7/103

- sign 81.873+/-0.010 χ^2/NDF: 2050743.3/53



Right In: -89.519+/-119.178 χ^2/NDF: 19.6/24

Left Out: -3.094+/-78.582 χ^2/NDF:23.5/24

Right Out: 37.939+/-114.396 χ^2/NDF: 26.7/30

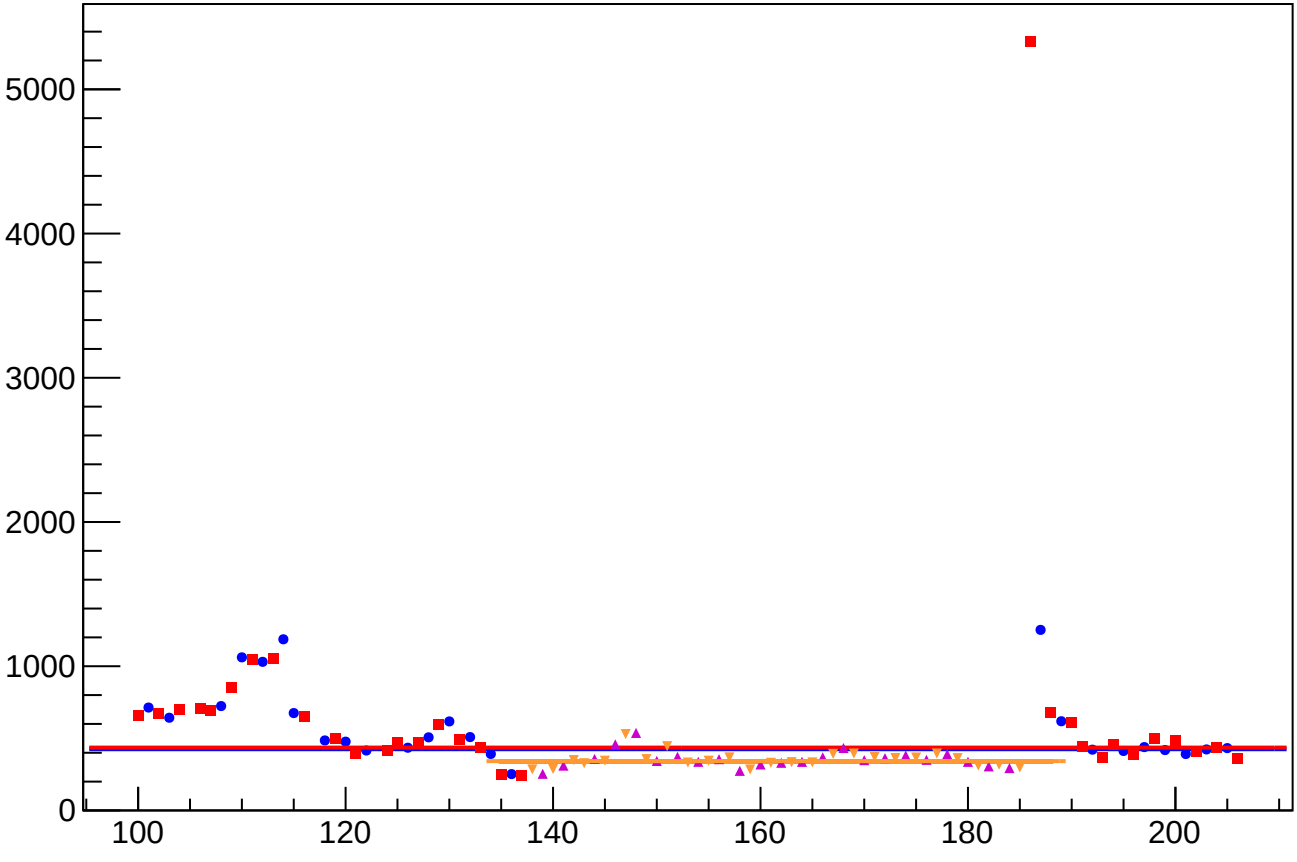
Left In: 16.519+/-80.410 χ^2/NDF:34.9/22

+ sign -29.282+/-65.604 χ^2/NDF: 43.5/49

All: -2.913+/-46.453 χ^2/NDF: 105.4/103

- sign 23.602+/-65.784 χ^2/NDF: 61.6/53

asym_sam1_eigen_dit_correction_rms vs Slug



Right In: 424.673+/-0.084 χ^2/NDF: 2528095.0/24

Left Out: 341.918+/-0.056 χ^2/NDF:653932.3/24

Right Out: 435.923+/-0.081 χ^2/NDF: 3488300.3/30

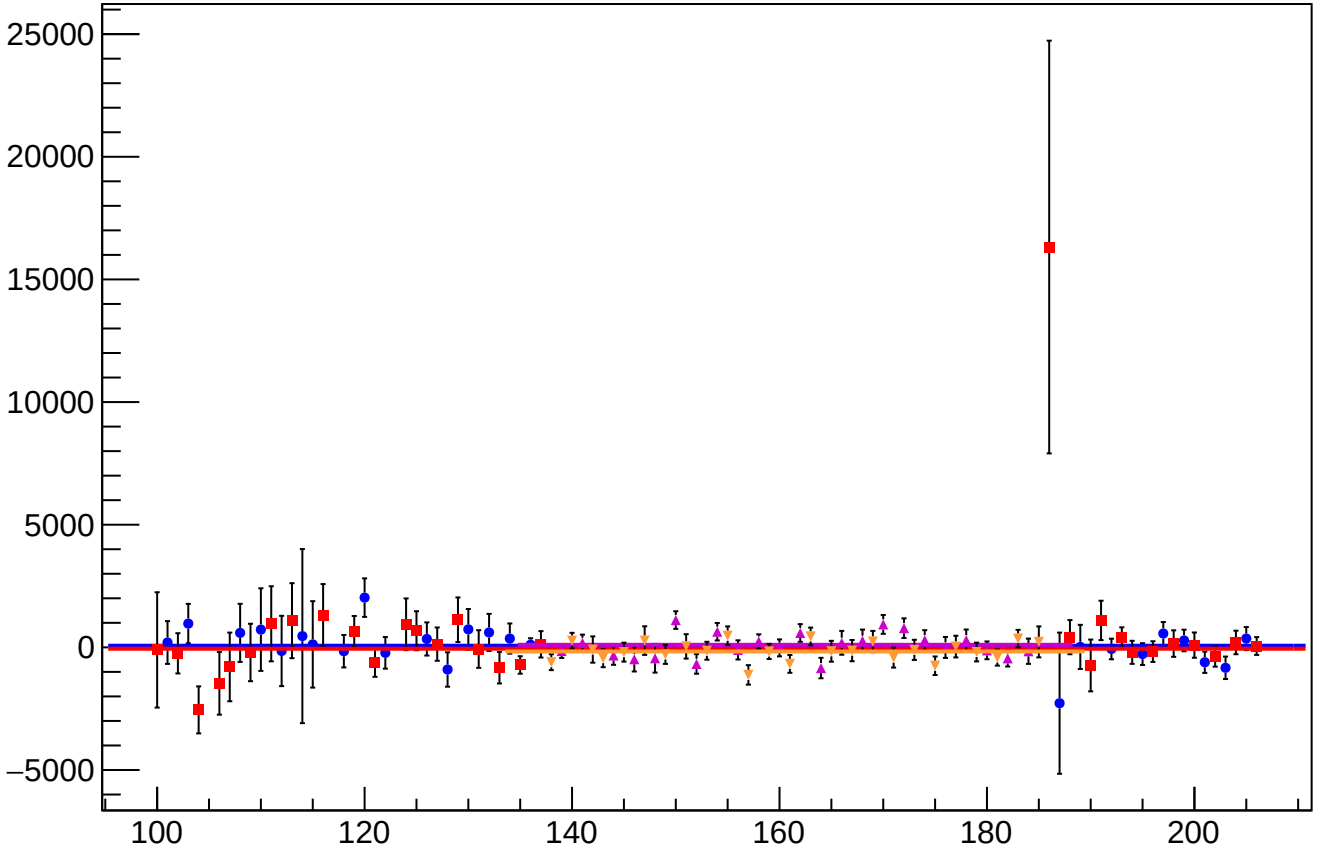
Left In: 339.430+/-0.057 χ^2/NDF:846709.1/22

+ sign 366.994+/-0.046 χ^2/NDF: 3854157.3/49

All: 369.161+/-0.033 χ^2/NDF: 9145972.6/103

- sign 371.339+/-0.047 χ^2/NDF: 5287441.0/53

asym_sam1_mean vs Slug



Right In: 66.020+/-118.025 χ^2/NDF: 21.1/24

Left Out: -167.380+/-78.179 χ^2/NDF:25.6/24

Right Out: -55.208+/-112.852 χ^2/NDF: 30.5/30

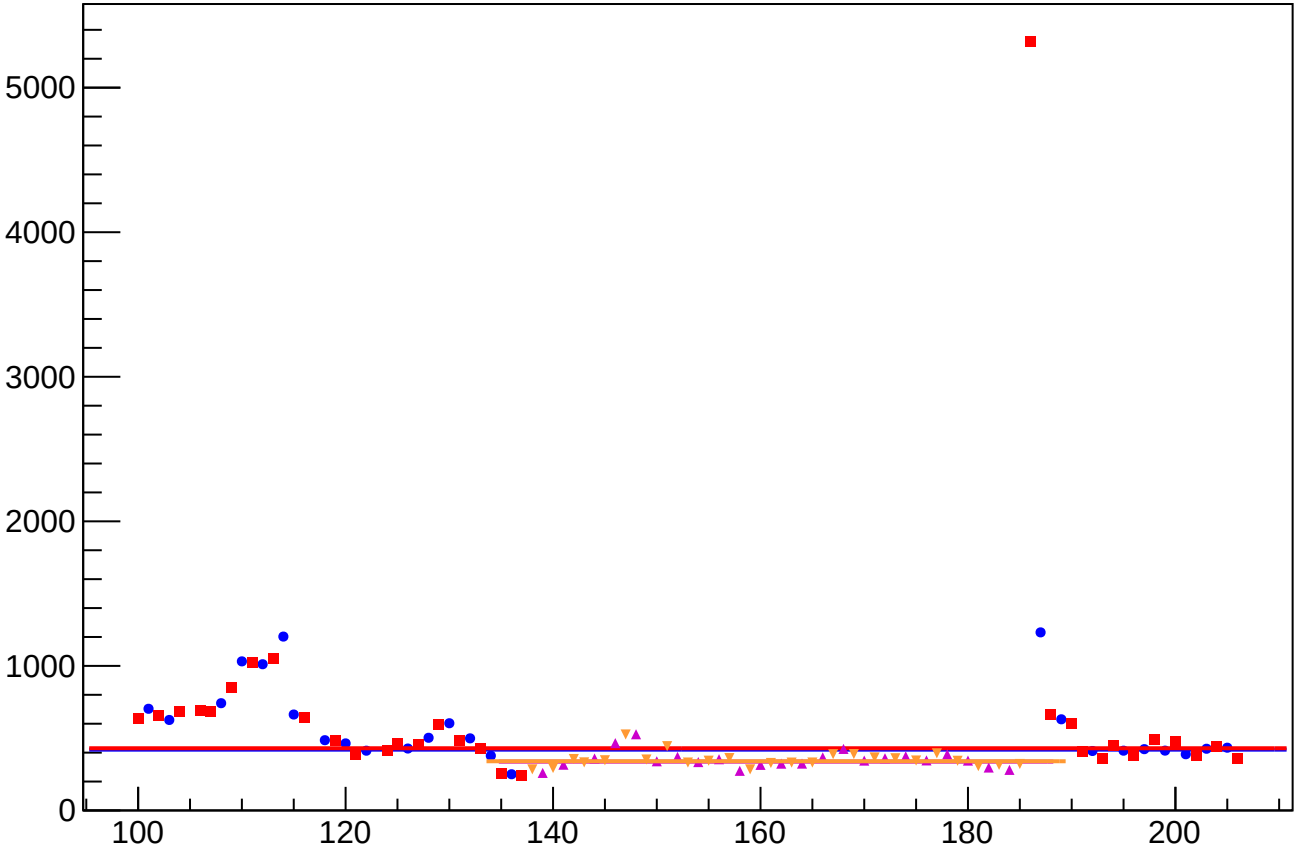
Left In: 104.016+/-79.995 χ^2/NDF:37.5/22

+ sign -96.202+/-65.177 χ^2/NDF: 49.4/49

All: -22.814+/-46.117 χ^2/NDF: 121.2/103

- sign 50.767+/-65.262 χ^2/NDF: 69.3/53

asym_sam1_rms vs Slug



Right In: 420.668+/-0.083 χ^2/NDF: 2508085.5/24

Left Out: 340.391+/-0.055 χ^2/NDF:604155.3/24

Right Out: 430.299+/-0.080 χ^2/NDF: 3440489.1/30

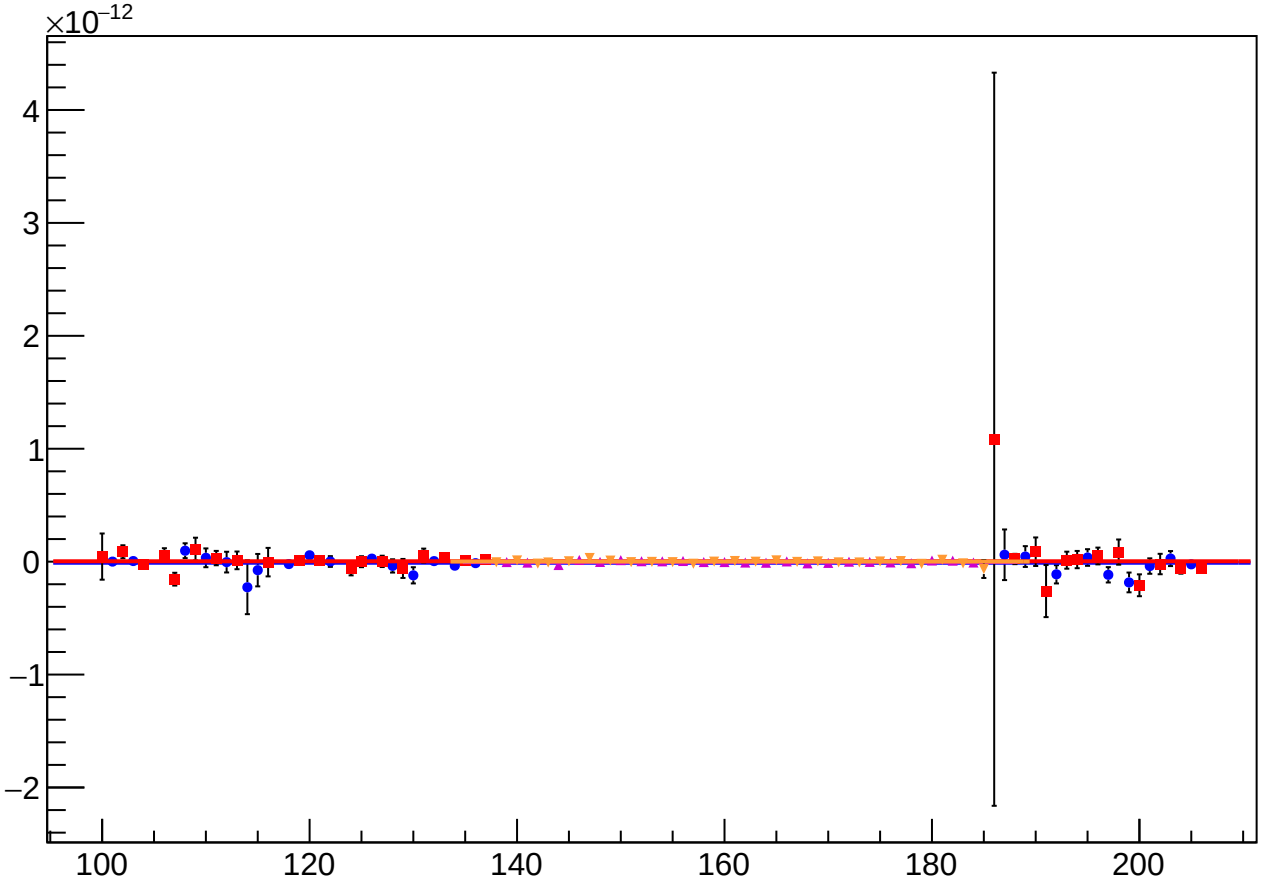
Left In: 337.759+/-0.057 χ^2/NDF:820674.4/22

+ sign 364.872+/-0.046 χ^2/NDF: 3755329.5/49

All: 366.787+/-0.033 χ^2/NDF: 8915050.3/103

- sign 368.707+/-0.046 χ^2/NDF: 5156263.5/53

asym_sam1_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 24.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:16.2/24

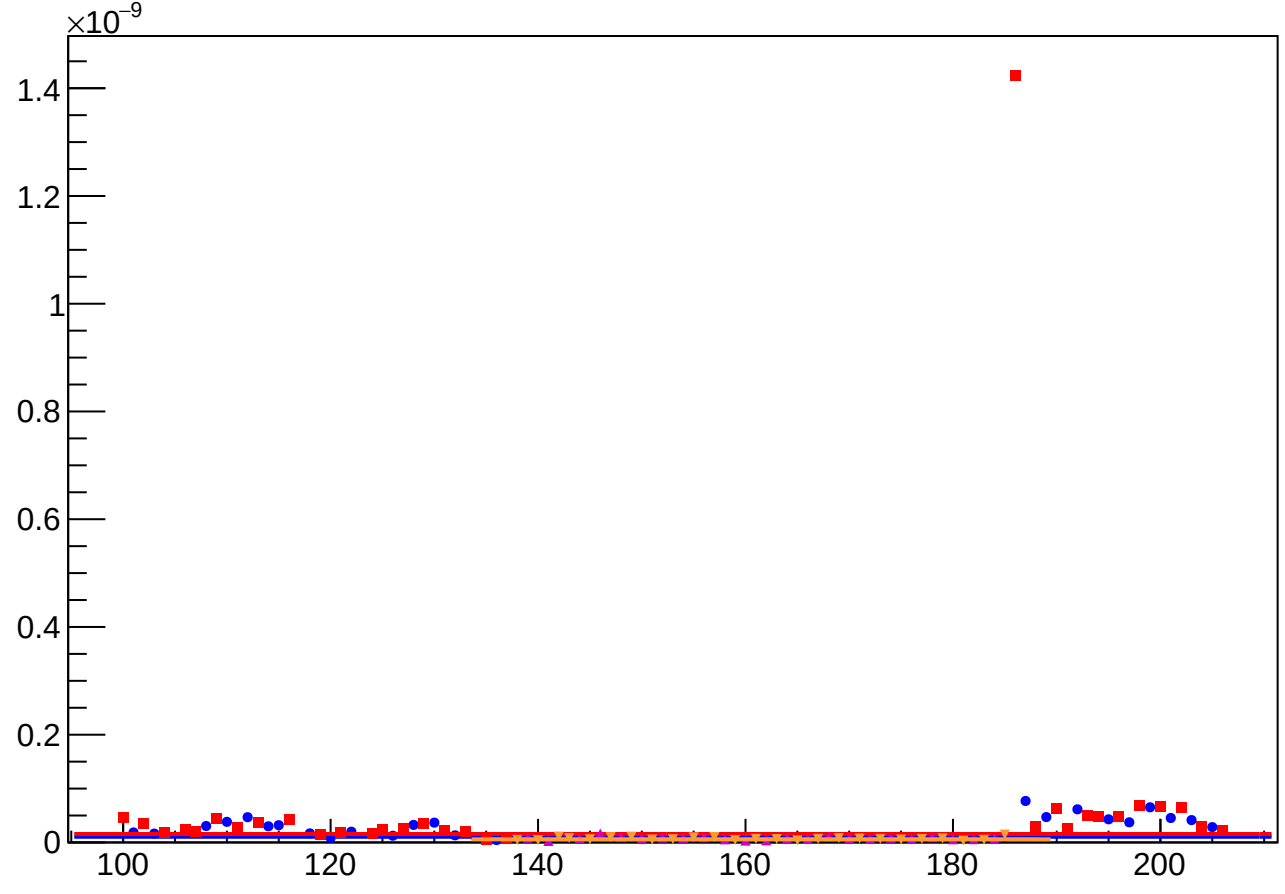
Right Out: 0.000+/-0.000 χ^2/NDF: 31.0/30

Left In: -0.000+/-0.000 χ^2/NDF:11.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.4/49

All: -0.000+/-0.000 χ^2/NDF: 87.7/103

- sign -0.000+/-0.000 χ^2/NDF: 43.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 7035434.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1155947.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7063282.6/30

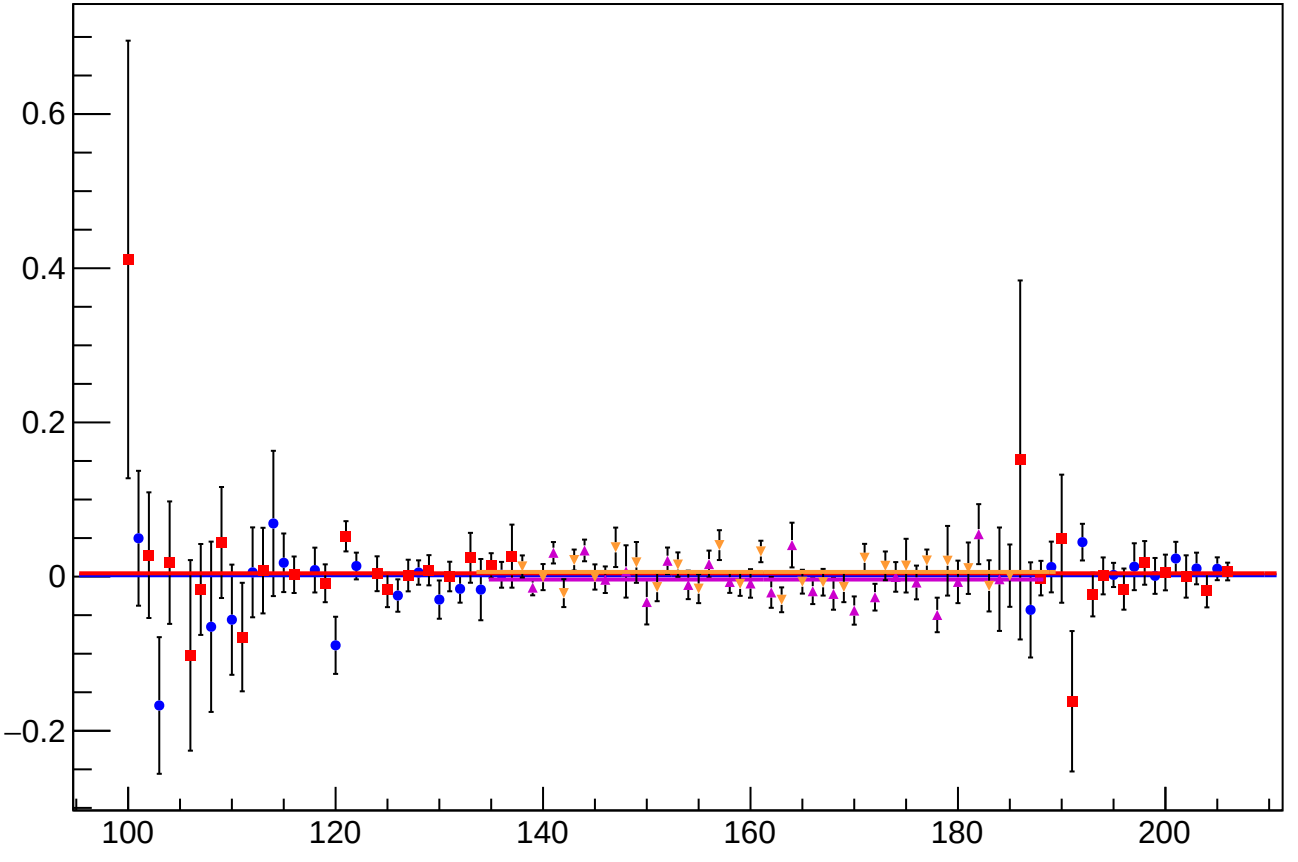
Left In: 0.000+/-0.000 χ^2/NDF:1970663.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 9295096.3/49

All: 0.000+/-0.000 χ^2/NDF: 21311564.6/103

- sign 0.000+/-0.000 χ^2/NDF: 11891039.6/53

asym_sam1_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.005 χ^2/NDF: 22.2/24

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/30

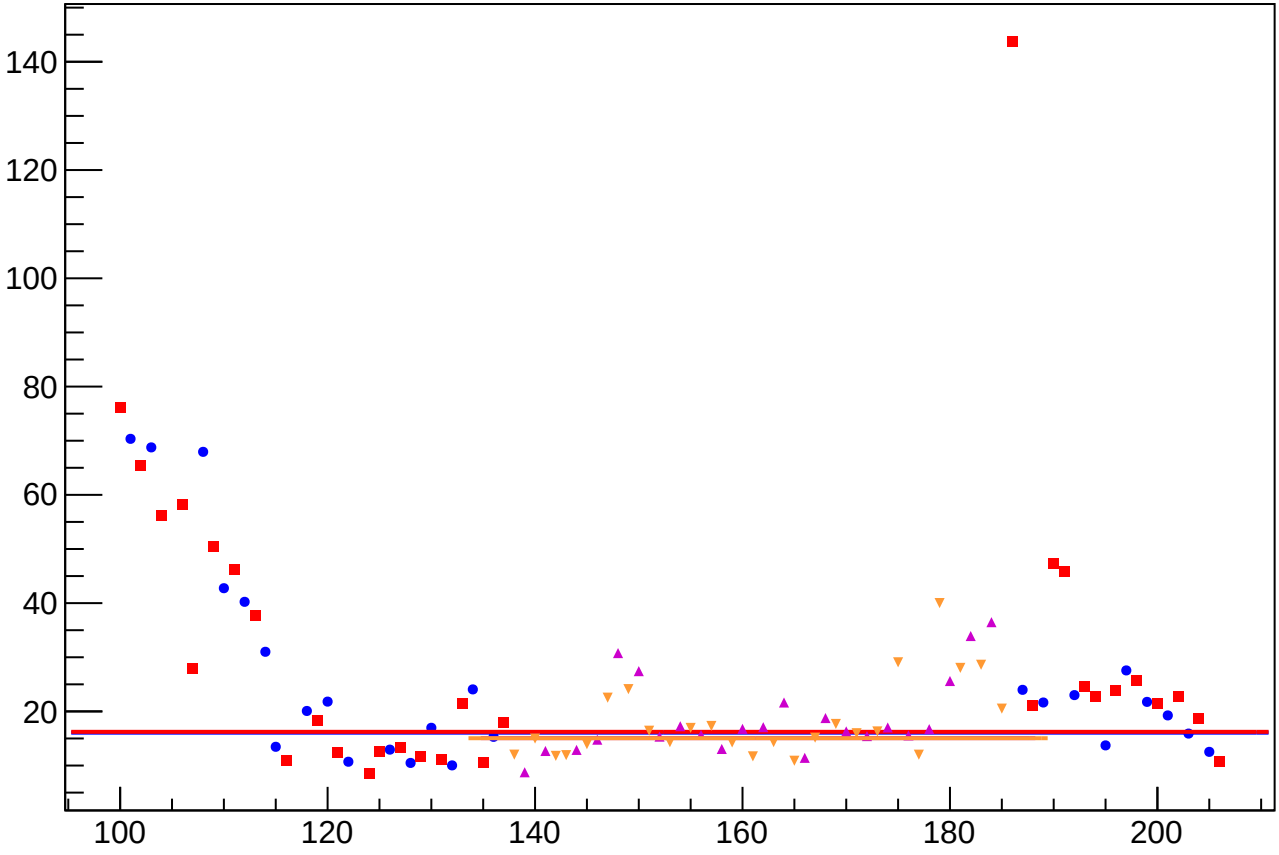
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.005+/-0.003 χ^2/NDF: 49.3/49

All: 0.002+/-0.002 χ^2/NDF: 109.8/103

- sign -0.001+/-0.003 χ^2/NDF: 59.0/53

asym_sam1_dit_vs_cor_diff_rms vs Slug



Right In: 16.073+/-0.003 χ^2/NDF: 4355257.1/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.227+/-0.003 χ^2/NDF: 6416310.7/30

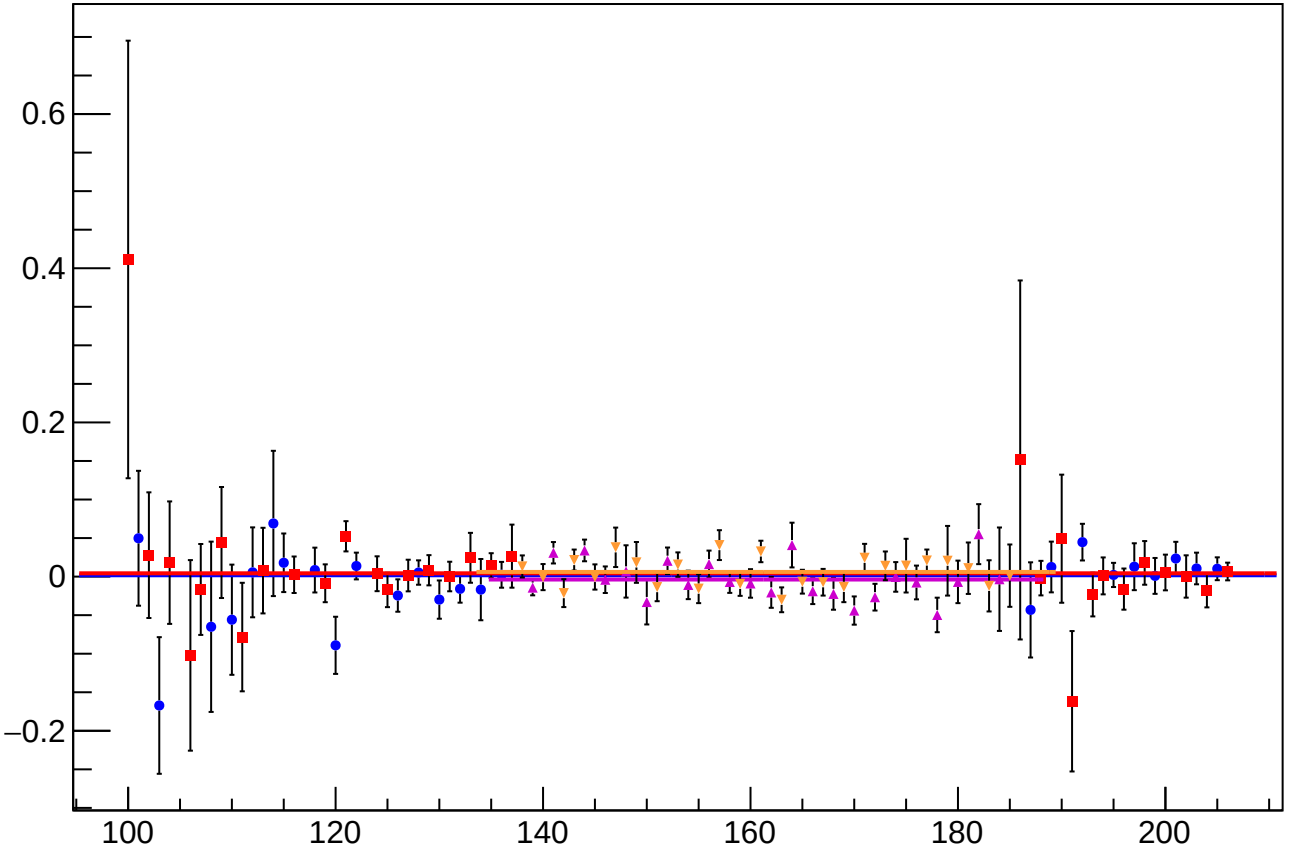
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.413+/-0.002 χ^2/NDF: 7168985.9/49

All: 15.472+/-0.001 χ^2/NDF: 16726664.8/103

- sign 15.531+/-0.002 χ^2/NDF: 9556087.6/53

asym_sam1_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.005 χ^2/NDF: 22.2/24

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/30

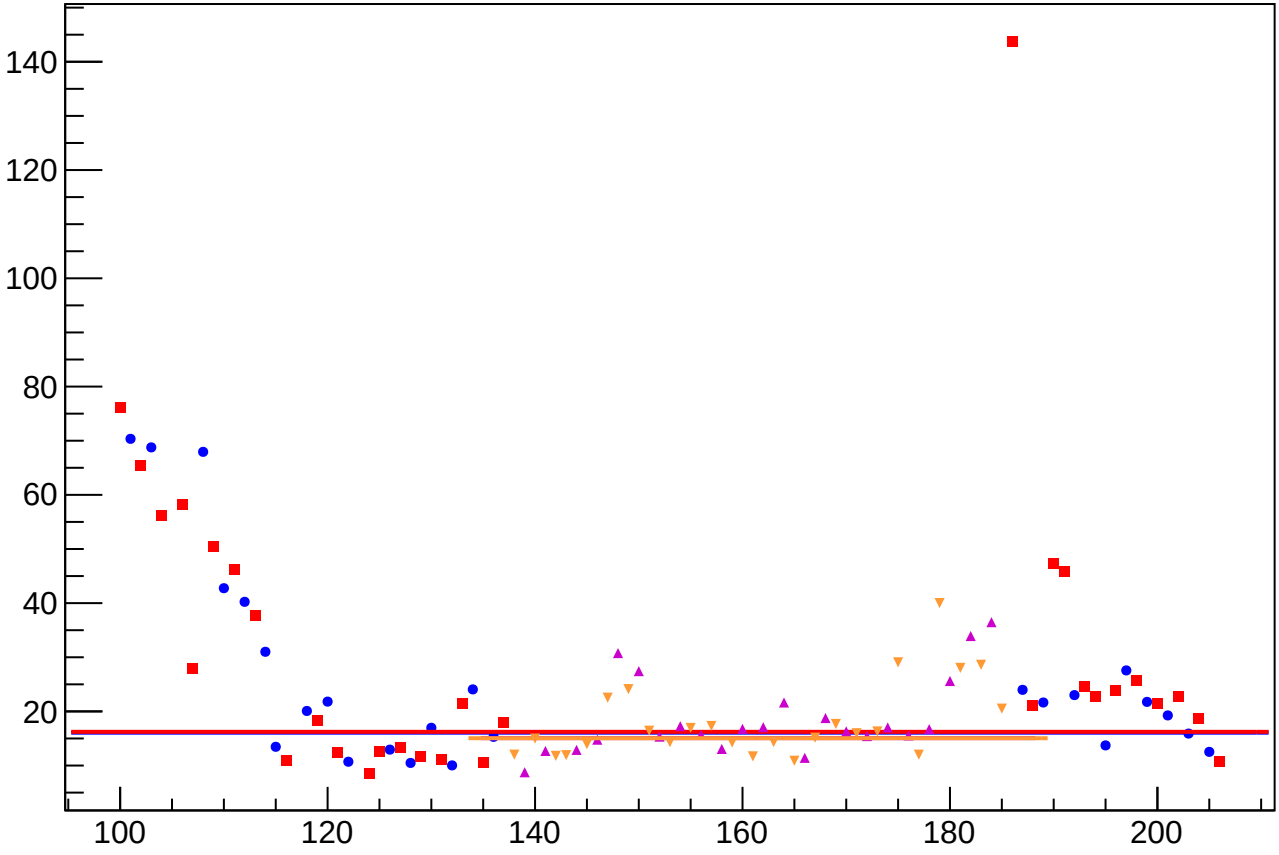
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.005+/-0.003 χ^2/NDF: 49.3/49

All: 0.002+/-0.002 χ^2/NDF: 109.8/103

- sign -0.001+/-0.003 χ^2/NDF: 59.0/53

asym_sam1_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.073+/-0.003 χ^2/NDF: 4355257.1/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758075.6/24

Right Out: 16.227+/-0.003 χ^2/NDF: 6416310.7/30

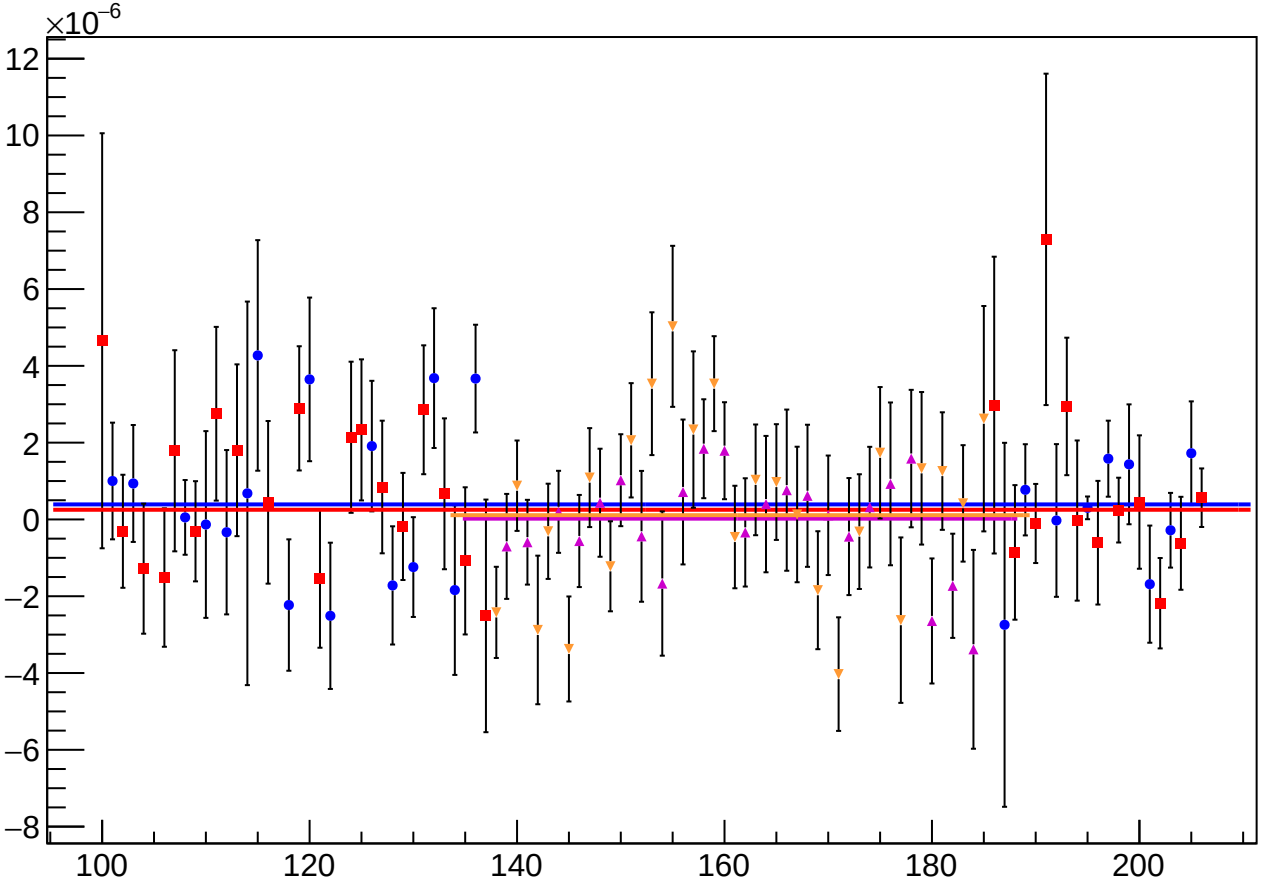
Left In: 15.068+/-0.003 χ^2/NDF:3066591.4/22

+ sign 15.413+/-0.002 χ^2/NDF: 7168985.9/49

All: 15.472+/-0.001 χ^2/NDF: 16726664.8/103

- sign 15.531+/-0.002 χ^2/NDF: 9556087.6/53

asym_sam1_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:50.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/30

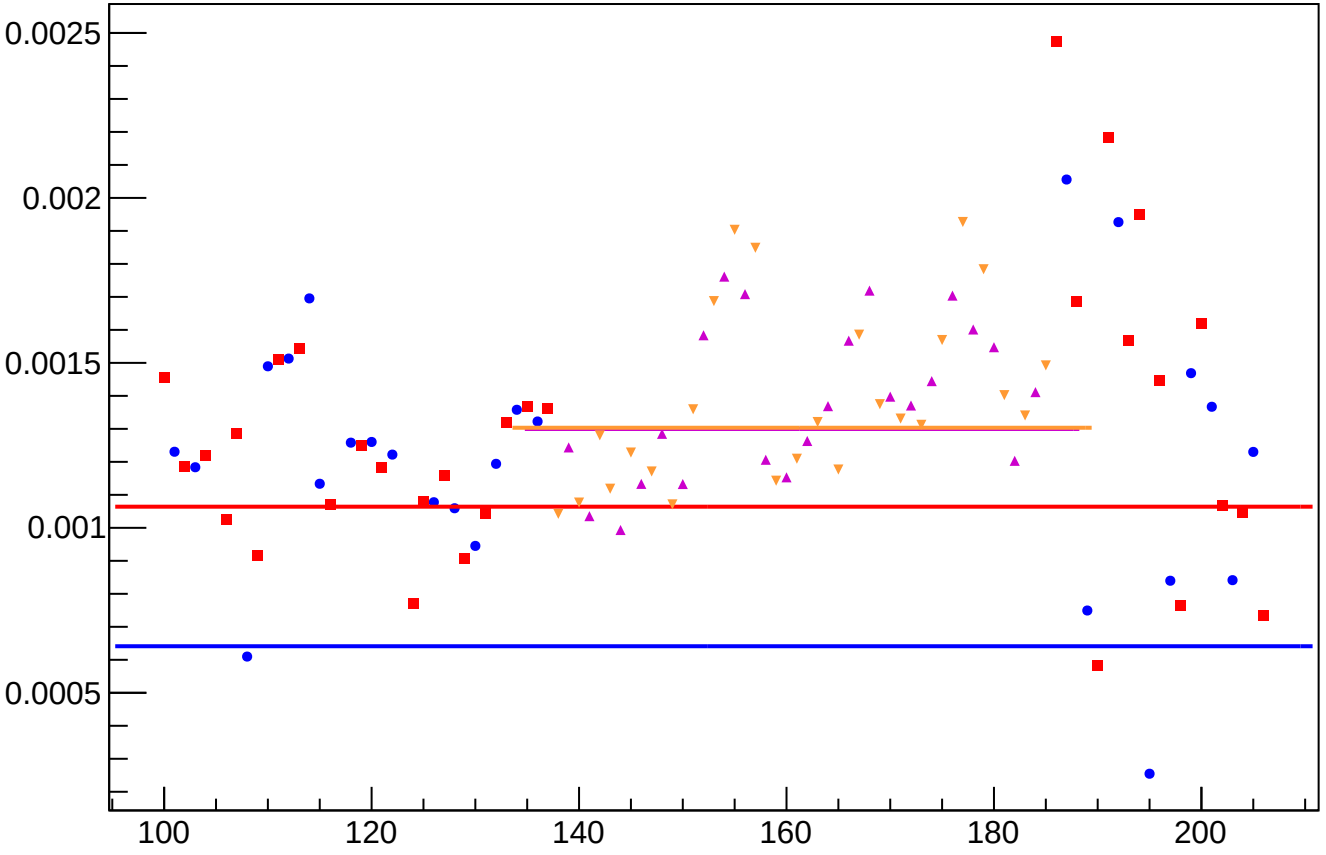
Left In: 0.000+/-0.000 χ^2/NDF:14.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 79.7/49

All: 0.000+/-0.000 χ^2/NDF: 120.3/103

- sign 0.000+/-0.000 χ^2/NDF: 40.3/53

asym_sam1_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 9148984.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:1181536.6/24

Right Out: 0.001+/-0.000 χ^2/NDF: 3012978.7/30

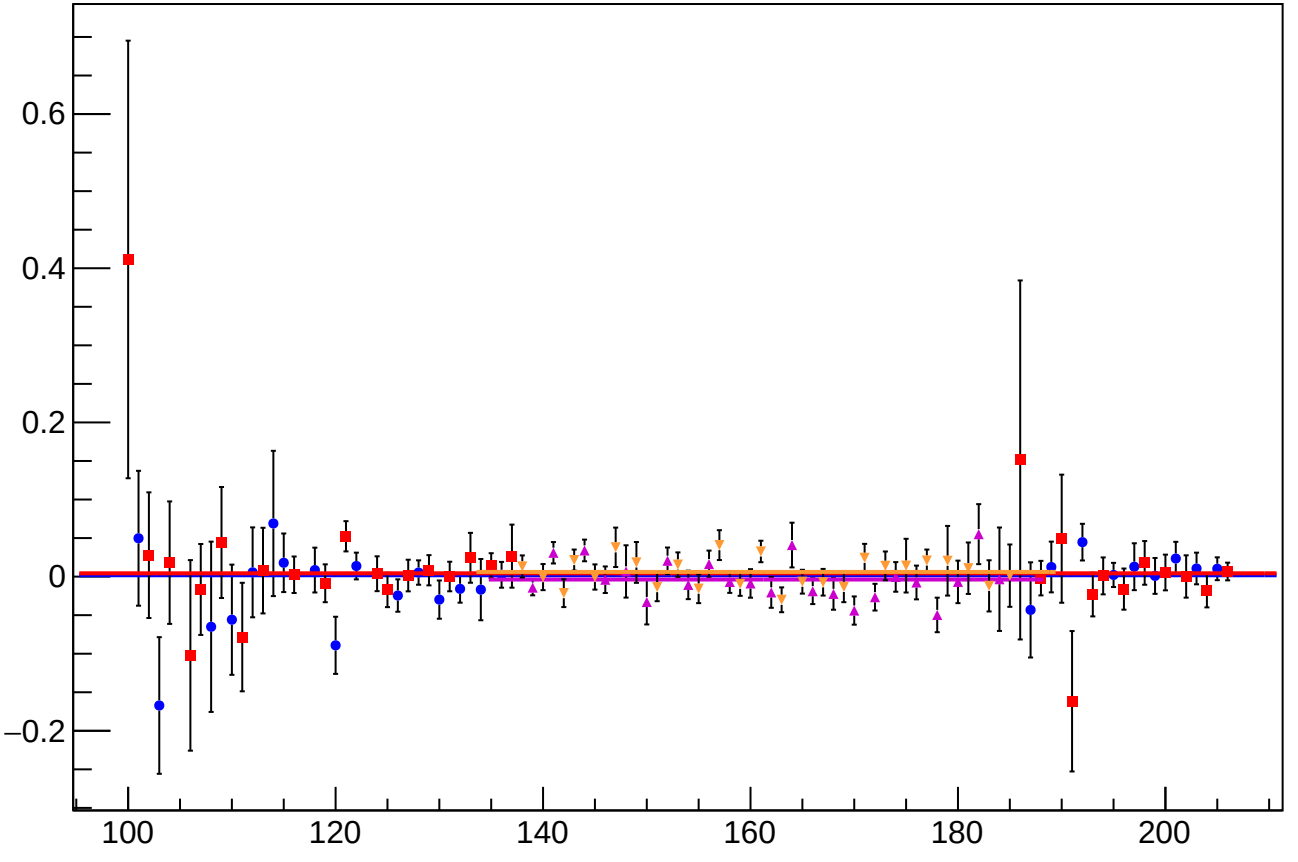
Left In: 0.001+/-0.000 χ^2/NDF:1026052.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 16718554.9/49

All: 0.001+/-0.000 χ^2/NDF: 23924313.1/103

- sign 0.001+/-0.000 χ^2/NDF: 4676843.4/53

asym_sam1_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.005 χ^2/NDF: 22.2/24

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/30

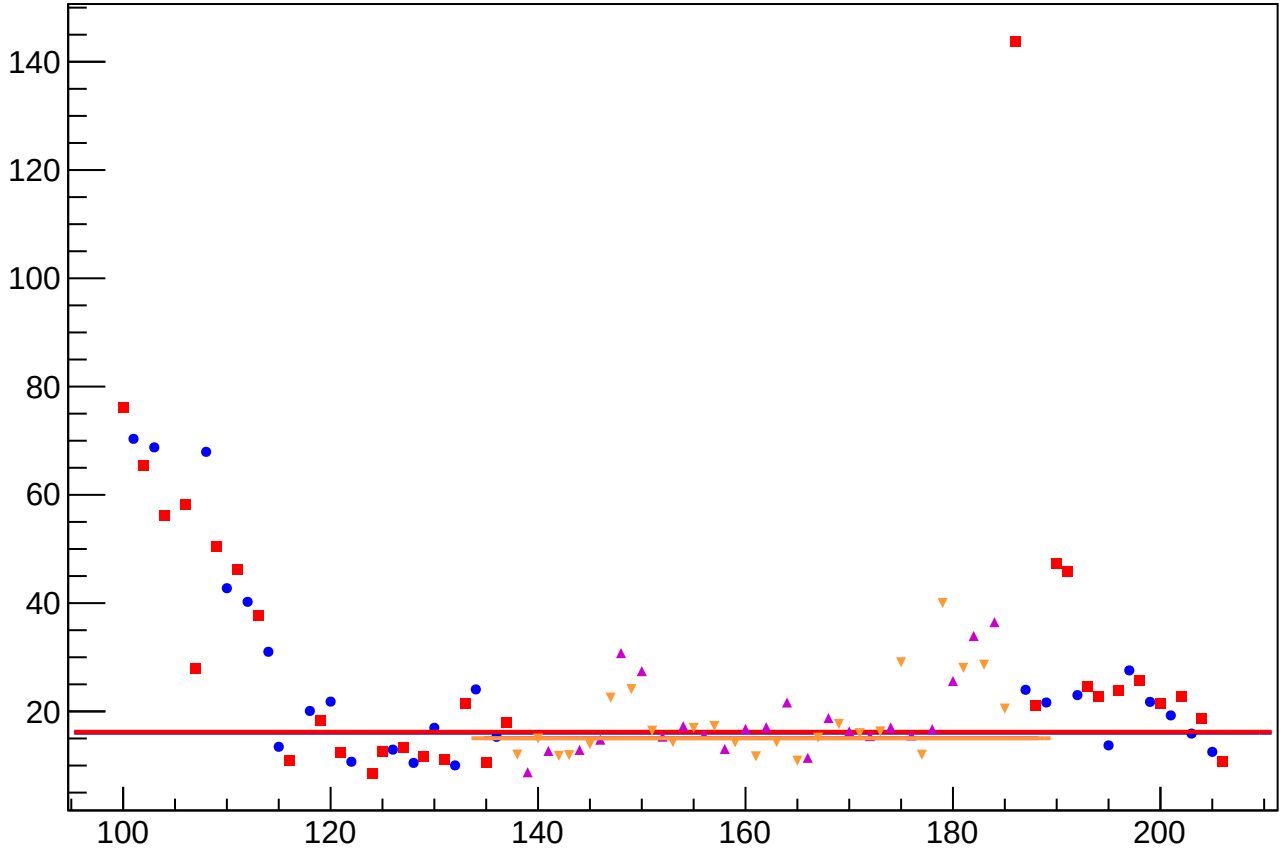
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.005+/-0.003 χ^2/NDF: 49.3/49

All: 0.002+/-0.002 χ^2/NDF: 109.8/103

- sign -0.001+/-0.003 χ^2/NDF: 59.0/53

asym_sam1_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 16.073+/-0.003 χ^2/NDF: 4355264.4/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

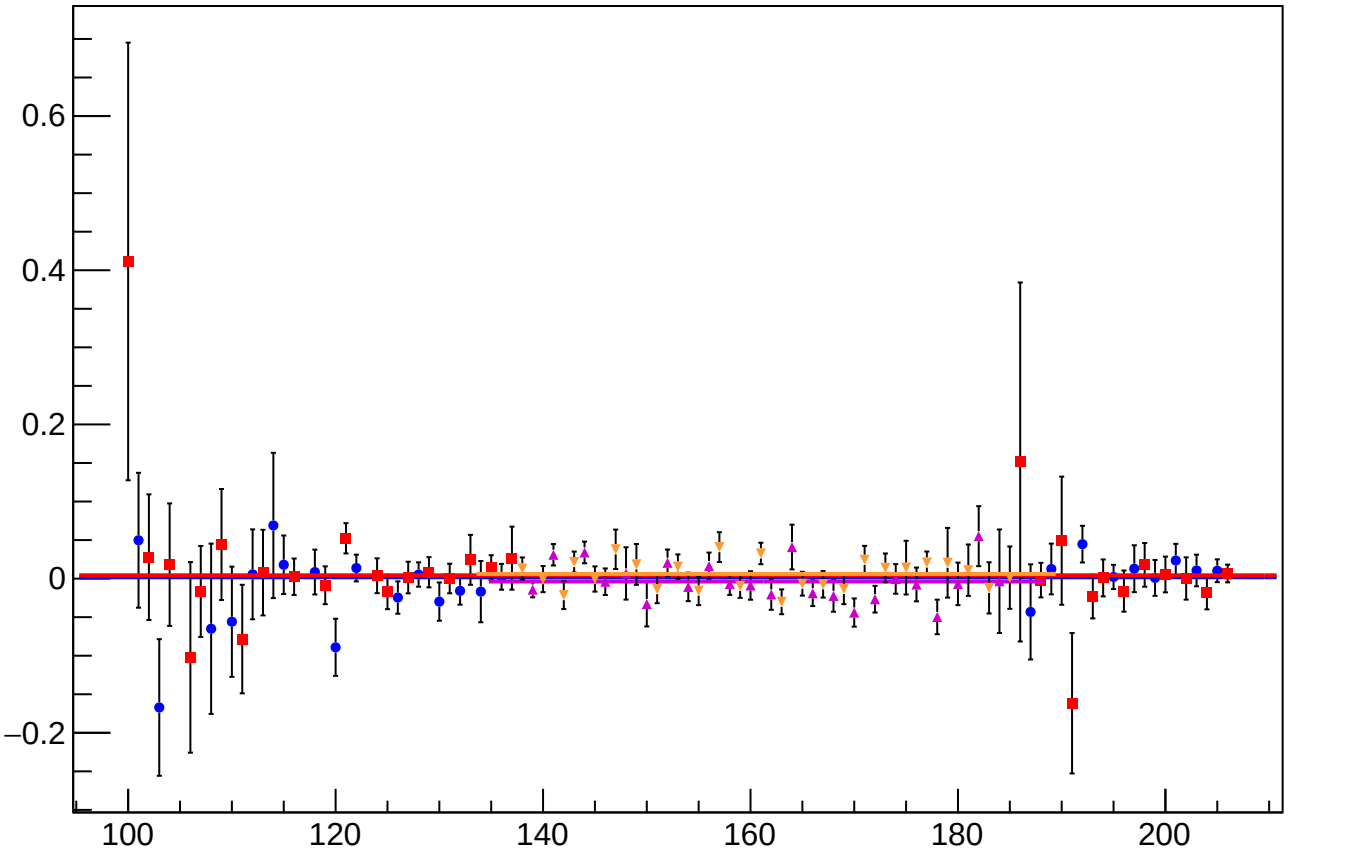
Right Out: 16.227+/-0.003 χ^2/NDF: 6416277.2/30

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.413+/-0.002 χ^2/NDF: 7169198.3/49

All: 15.472+/-0.001 χ^2/NDF: 16726884.3/103

- sign 15.531+/-0.002 χ^2/NDF: 9556092.8/53



Right In: 0.002+/-0.005 χ^2/NDF: 22.2/24

Left Out: 0.006+/-0.004 χ^2/NDF:26.7/24

Right Out: 0.004+/-0.005 χ^2/NDF: 20.1/30

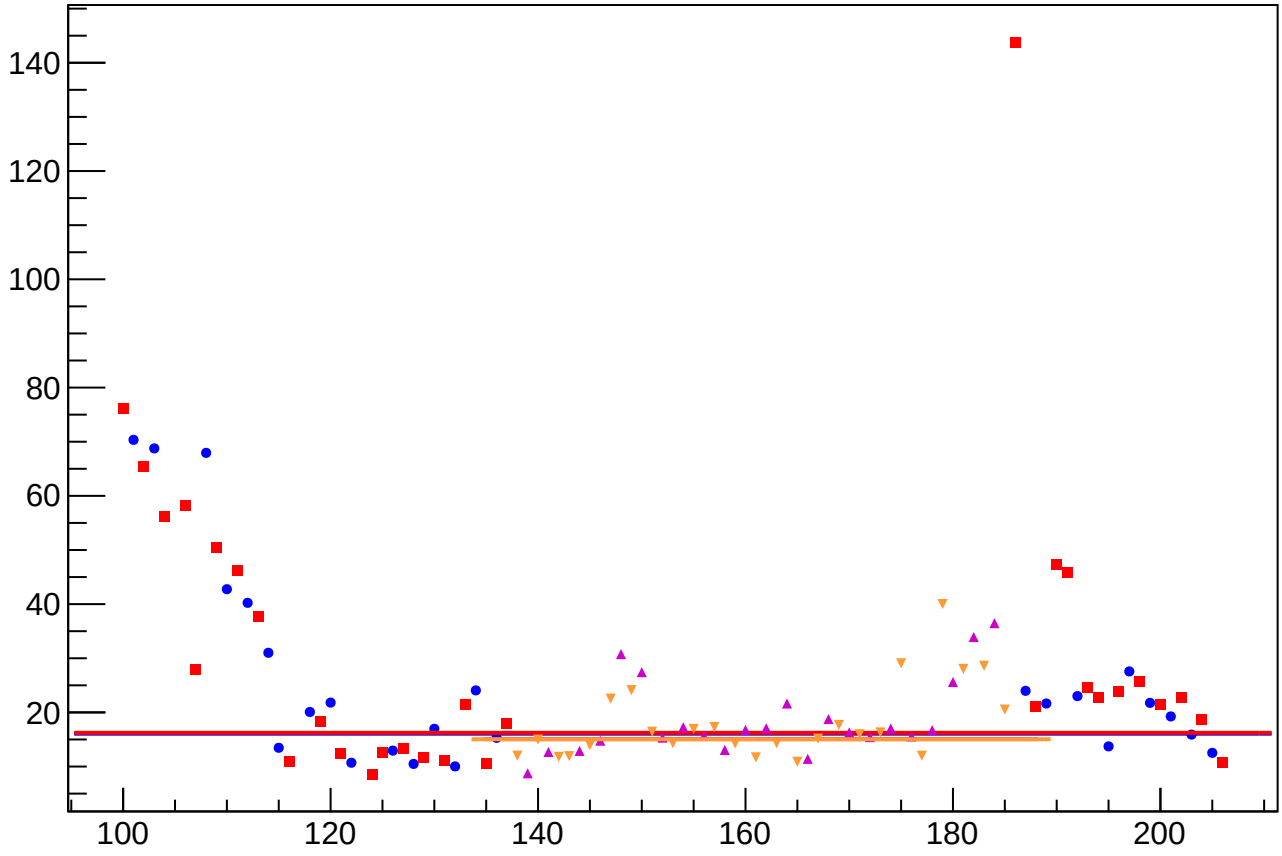
Left In: -0.004+/-0.004 χ^2/NDF:37.1/22

+ sign 0.005+/-0.003 χ^2/NDF: 49.3/49

All: 0.002+/-0.002 χ^2/NDF: 109.8/103

- sign -0.001+/-0.003 χ^2/NDF: 59.0/53

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 16.073+/-0.003 χ^2/NDF: 4355264.4/24

Left Out: 15.046+/-0.003 χ^2/NDF:2758285.3/24

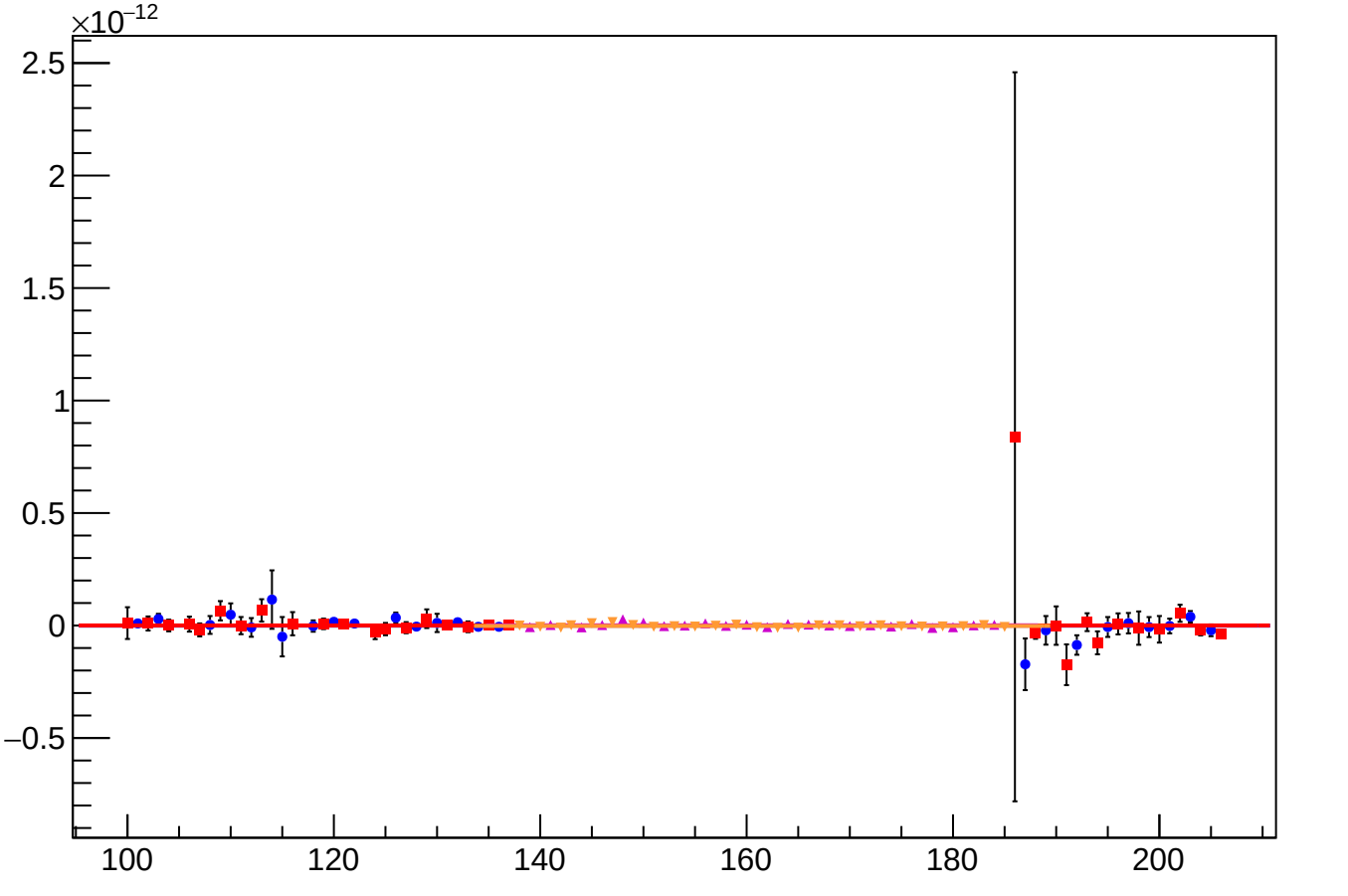
Right Out: 16.227+/-0.003 χ^2/NDF: 6416277.2/30

Left In: 15.067+/-0.003 χ^2/NDF:3066635.3/22

+ sign 15.413+/-0.002 χ^2/NDF: 7169198.3/49

All: 15.472+/-0.001 χ^2/NDF: 16726884.3/103

- sign 15.531+/-0.002 χ^2/NDF: 9556092.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 18.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:15.2/24

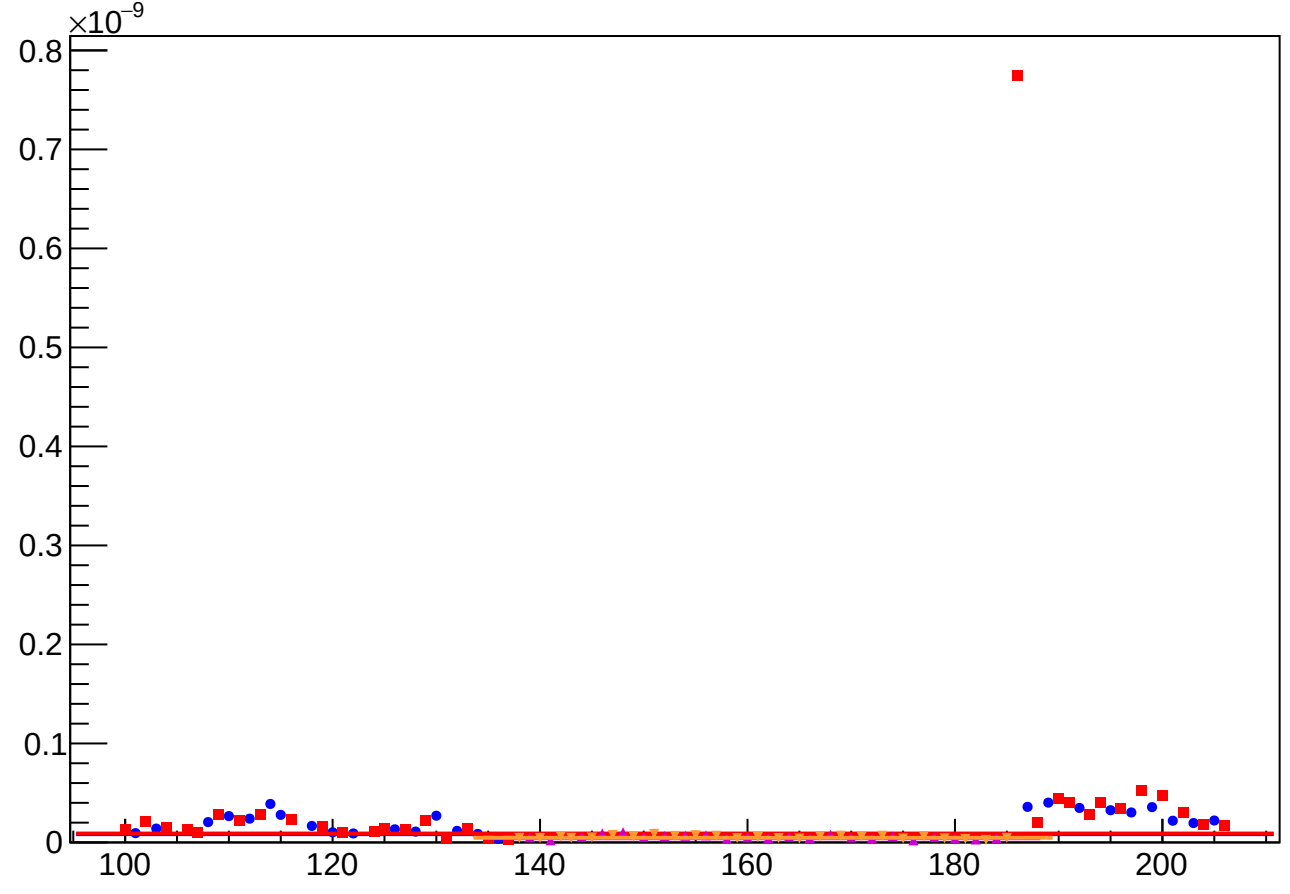
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/30

Left In: 0.000+/-0.000 χ^2/NDF:21.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 34.0/49

All: -0.000+/-0.000 χ^2/NDF: 79.3/103

- sign 0.000+/-0.000 χ^2/NDF: 43.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 8322113.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2098495.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10898086.7/30

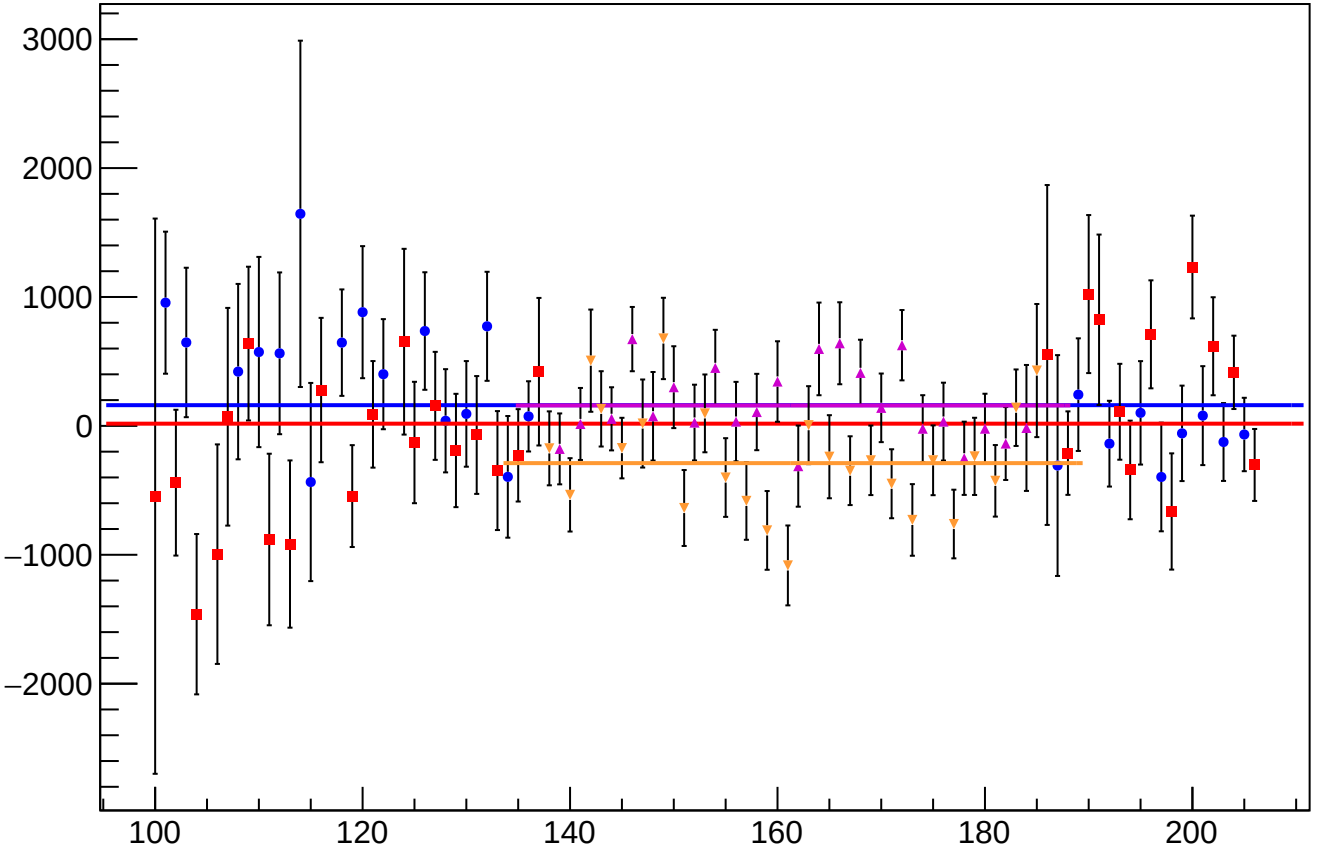
Left In: 0.000+/-0.000 χ^2/NDF:3526134.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12187702.9/49

All: 0.000+/-0.000 χ^2/NDF: 29572611.6/103

- sign 0.000+/-0.000 χ^2/NDF: 17280069.2/53

reg_asym_sam2_mean vs Slug



Right In: 160.682+/-85.868 χ^2/NDF: 19.3/24

Left Out: -288.924+/-59.035 χ^2/NDF:42.4/24

Right Out: 17.168+/-82.376 χ^2/NDF: 43.7/30

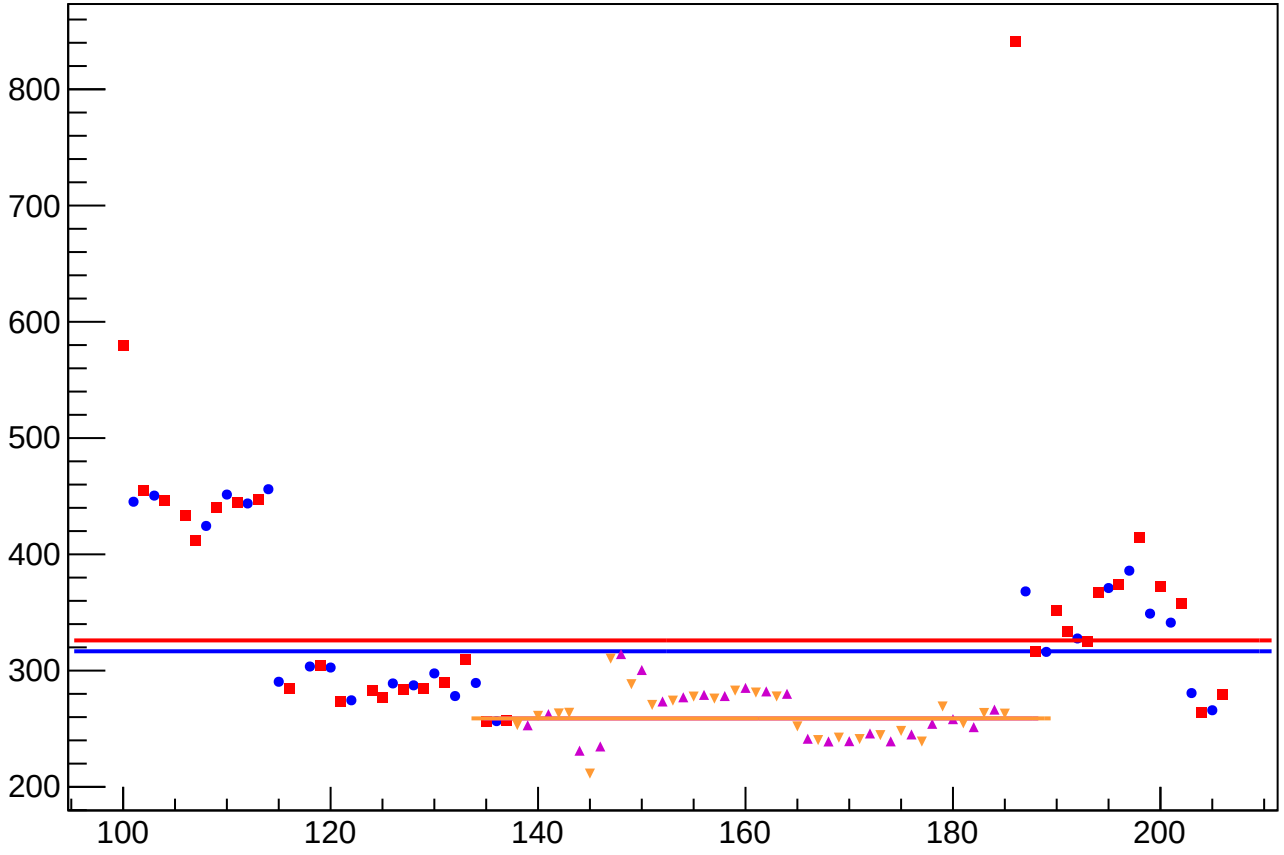
Left In: 158.601+/-60.708 χ^2/NDF:22.5/22

+ sign -144.619+/-48.647 χ^2/NDF: 80.3/49

All: -18.478+/-34.477 χ^2/NDF: 162.0/103

- sign 108.822+/-48.870 χ^2/NDF: 68.2/53

reg_asym_sam2_rms vs Slug



Right In: 316.624+/-0.061 χ^2/NDF: 820022.2/24

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 325.970+/-0.058 χ^2/NDF: 1331757.1/30

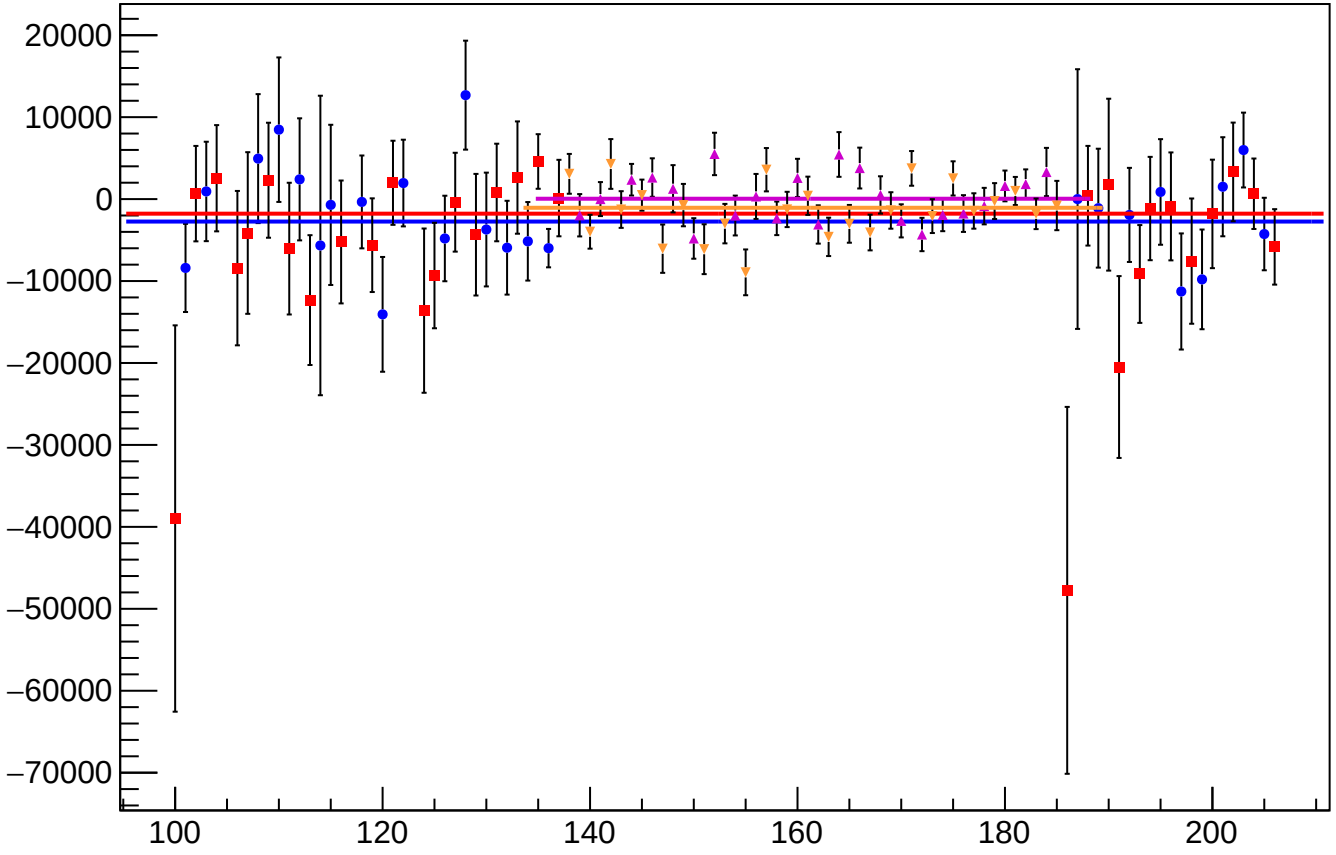
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 277.435+/-0.034 χ^2/NDF: 1682240.9/49

All: 279.941+/-0.024 χ^2/NDF: 4130265.1/103

- sign 282.469+/-0.035 χ^2/NDF: 2437366.8/53

asym_sam2_reg_correction_mean vs Slug



Right In: -2740.796+/-1120.590 χ^2/NDF: 23.7/24

Left Out: -1059.229+/-454.653 χ^2/NDF:41.5/24

Right Out: -1778.165+/-1138.625 χ^2/NDF: 25.9/30

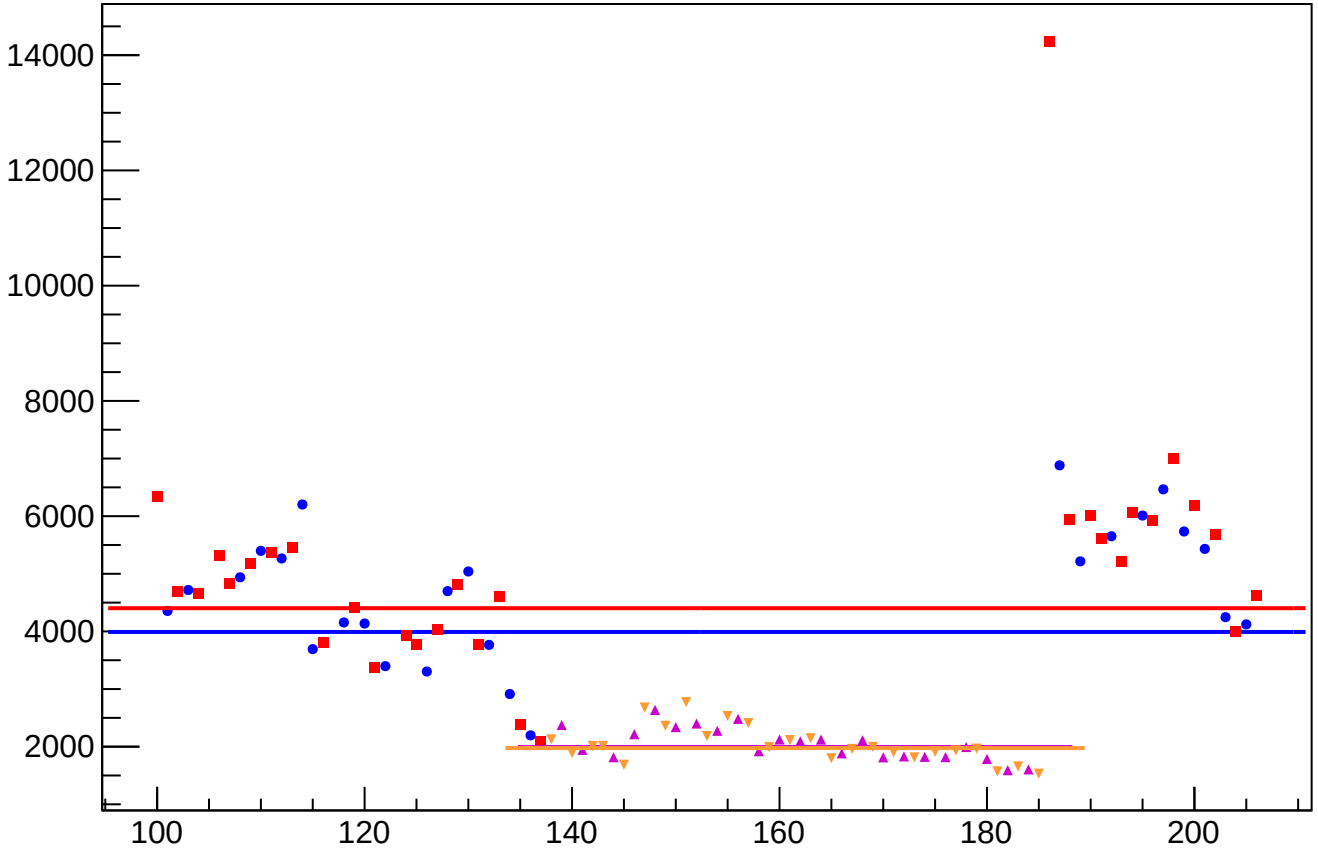
Left In: 44.352+/-470.700 χ^2/NDF:34.2/22

+ sign -1296.912+/-421.297 χ^2/NDF: 67.1/49

All: -776.478+/-302.629 χ^2/NDF: 132.5/103

- sign -221.648+/-434.996 χ^2/NDF: 62.2/53

asym_sam2_reg_correction_rms vs Slug



Right In: 3990.900+/-0.792 χ^2/NDF: 2632161.8/24

Left Out: 1975.967+/-0.321 χ^2/NDF:763327.6/24

Right Out: 4403.154+/-0.805 χ^2/NDF: 2871642.6/30

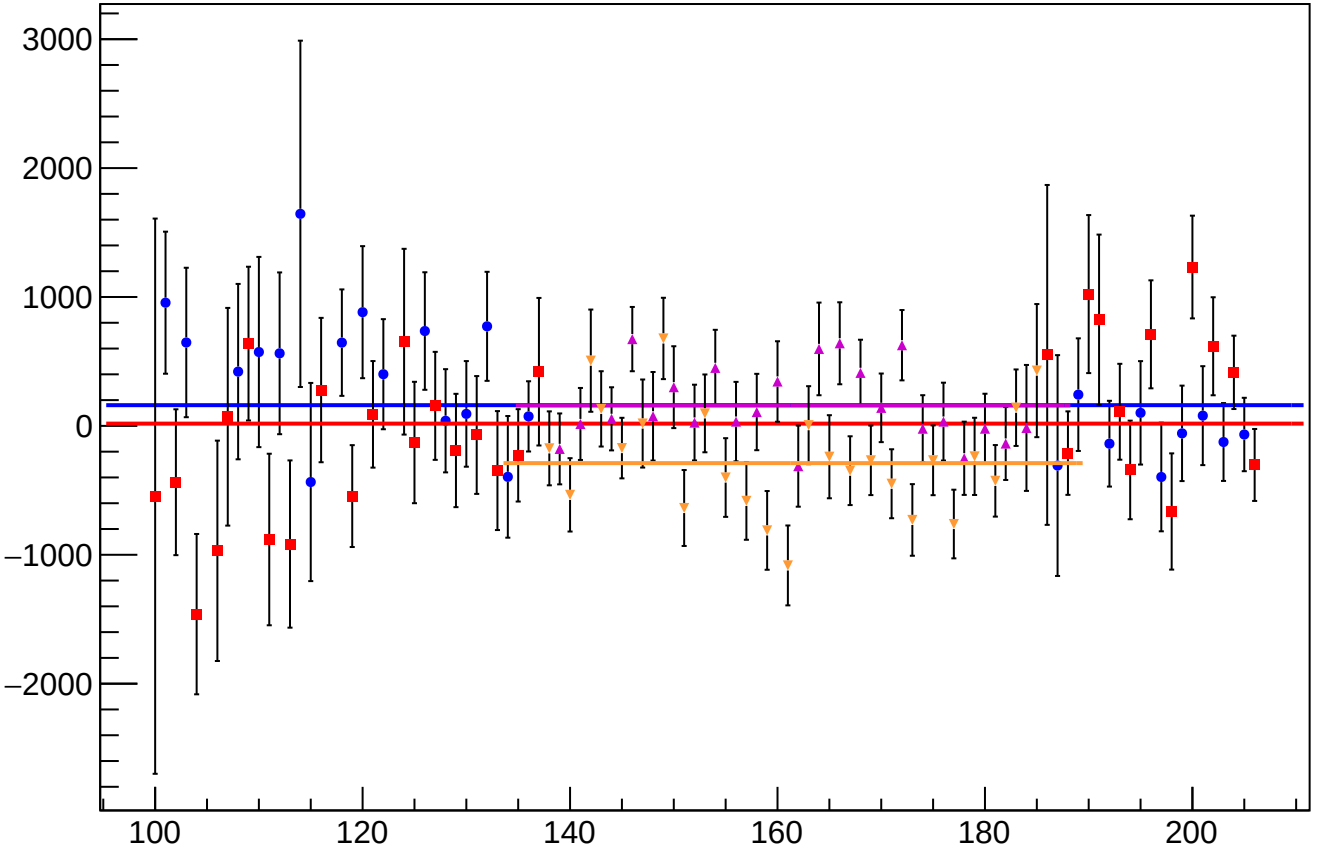
Left In: 1994.760+/-0.333 χ^2/NDF:599994.9/22

+ sign 2260.770+/-0.298 χ^2/NDF: 8947828.0/49

All: 2302.153+/-0.214 χ^2/NDF: 20101317.8/1

- sign 2346.270+/-0.308 χ^2/NDF: 11113621.4/53

cor_asym_sam2_mean vs Slug



Right In: 160.662+/-85.868 χ^2/NDF: 19.3/24

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 17.566+/-82.379 χ^2/NDF: 43.6/30

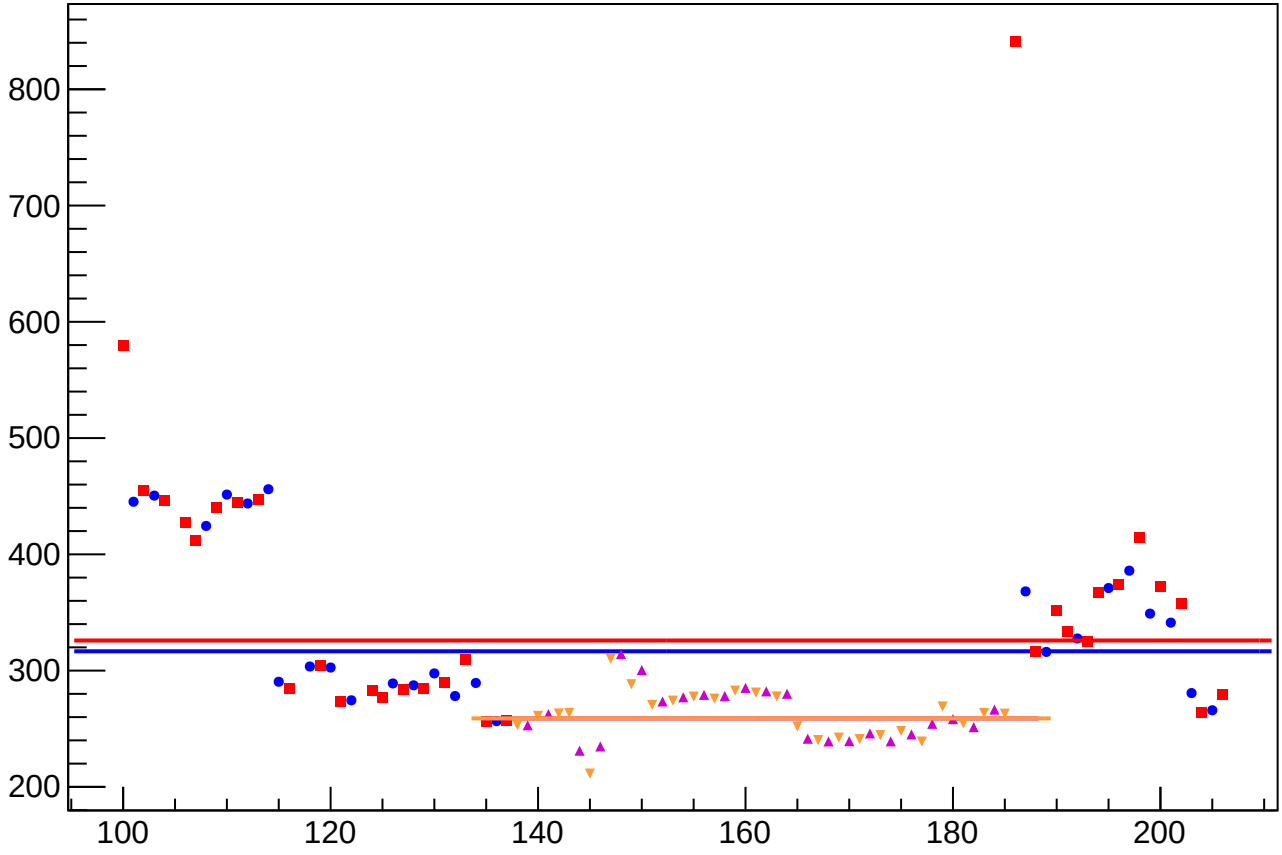
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -144.628+/-48.647 χ^2/NDF: 80.3/49

All: -18.410+/-34.478 χ^2/NDF: 161.9/103

- sign 108.973+/-48.871 χ^2/NDF: 68.1/53

cor_asym_sam2_rms vs Slug



Right In: 316.624+/-0.061 χ^2/NDF: 820023.6/24

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 325.901+/-0.058 χ^2/NDF: 1327845.1/30

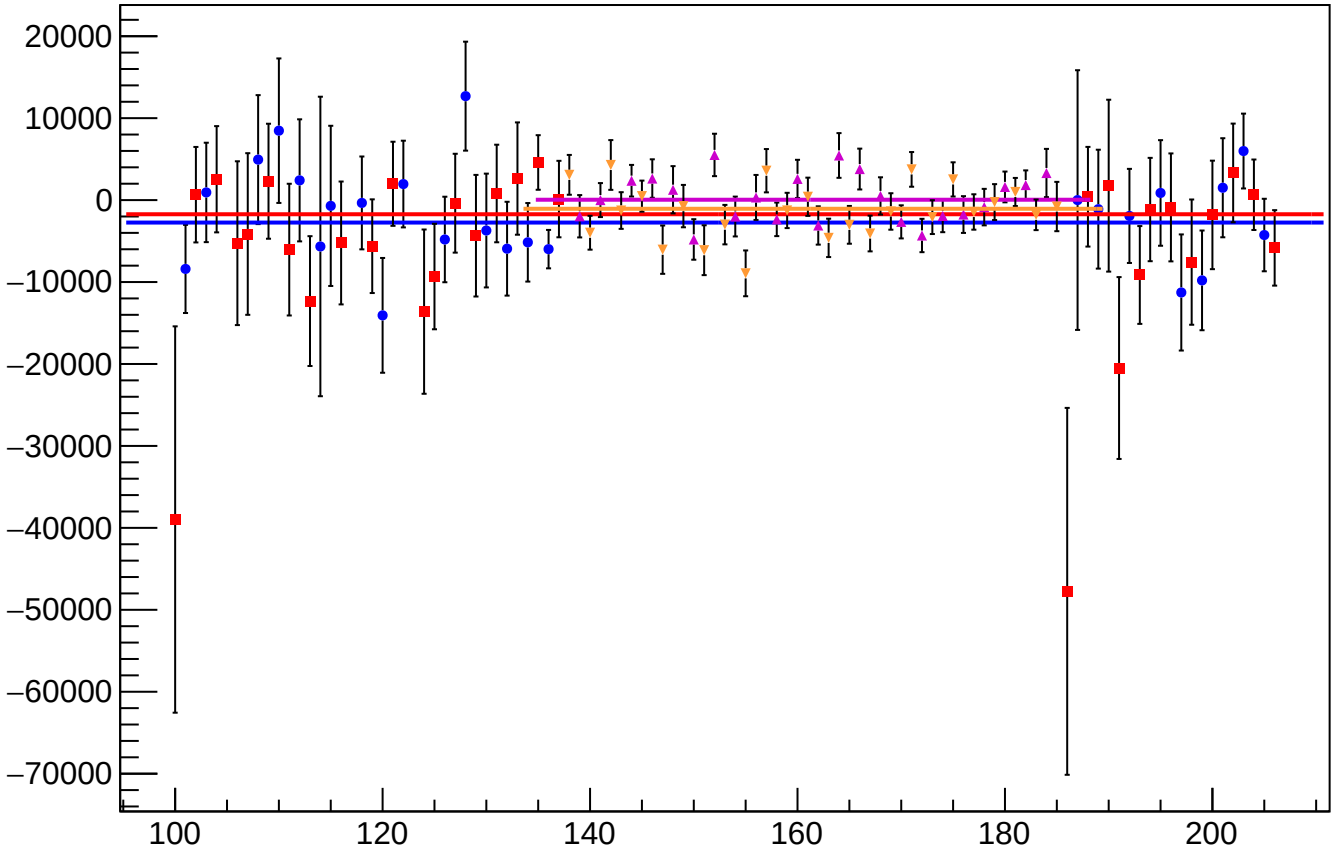
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 277.435+/-0.034 χ^2/NDF: 1682242.5/49

All: 279.928+/-0.024 χ^2/NDF: 4124428.2/103

- sign 282.443+/-0.035 χ^2/NDF: 2431636.8/53

asym_sam2_cor_correction_mean vs Slug



Right In: -2740.753+/-1120.592 χ^2/NDF: 23.7/24

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1726.522+/-1139.576 χ^2/NDF: 25.5/30

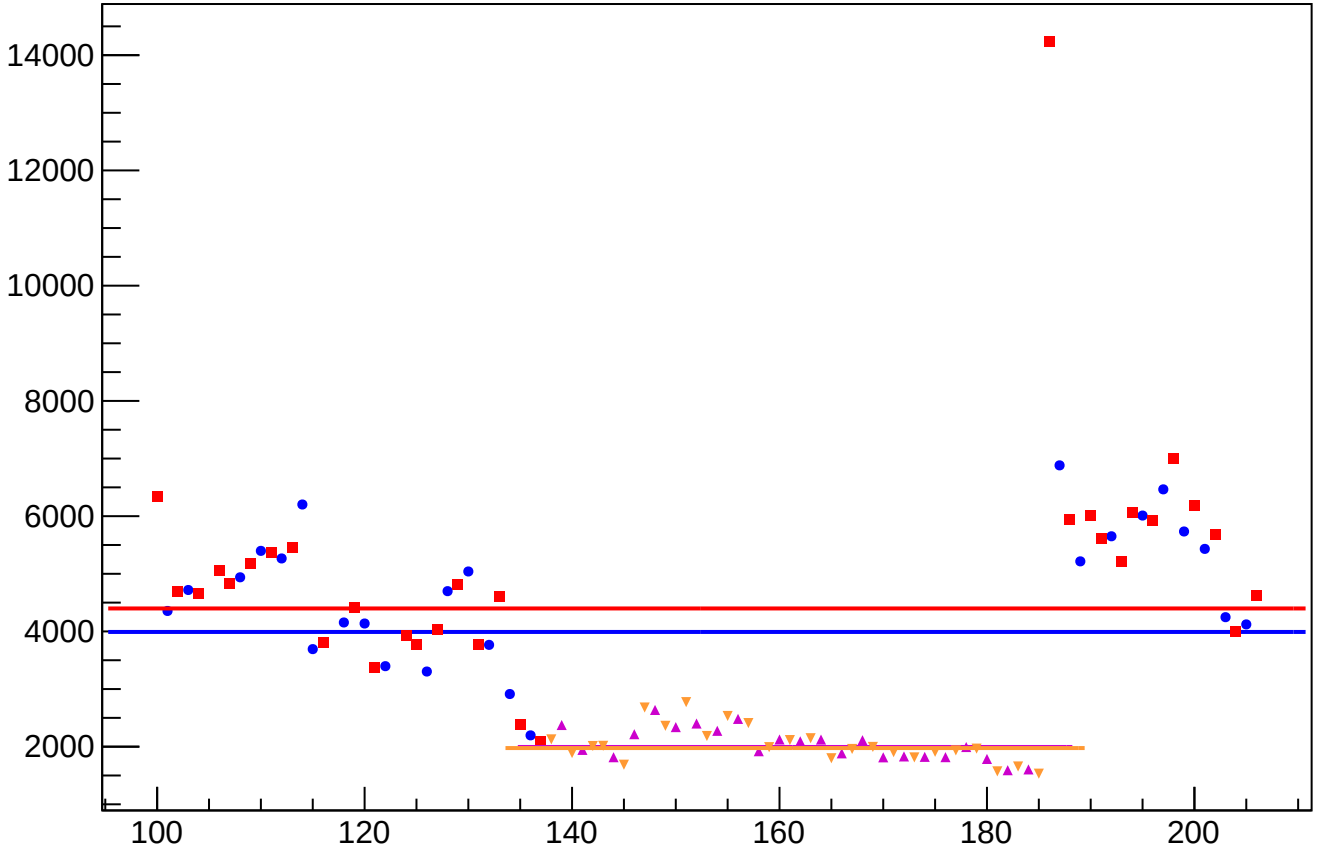
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1296.908+/-421.298 χ^2/NDF: 67.1/49

All: -772.717+/-302.647 χ^2/NDF: 132.0/103

- sign -213.746+/-435.049 χ^2/NDF: 61.7/53

asym_sam2_cor_correction_rms vs Slug



Right In: 3990.905+/-0.792 χ^2/NDF: 2632172.0/24

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4398.563+/-0.806 χ^2/NDF: 2861894.6/30

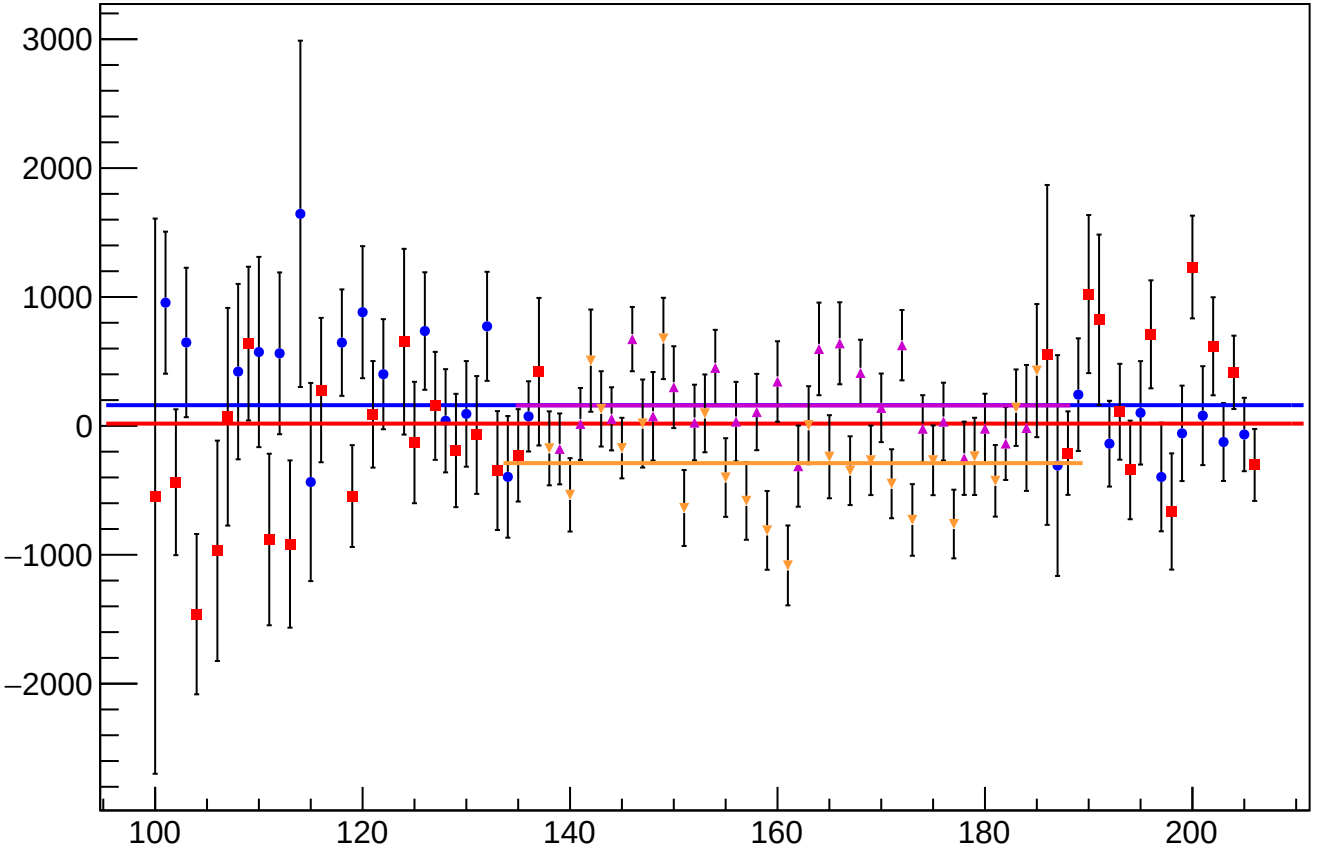
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2260.770+/-0.298 χ^2/NDF: 8947849.2/49

All: 2301.581+/-0.214 χ^2/NDF: 20050538.2/1

- sign 2345.100+/-0.308 χ^2/NDF: 11063909.1/53

eigen_cor_asym_sam2_mean vs Slug



Right In: 160.662+/-85.868 χ^2/NDF: 19.3/24

Left Out: -288.928+/-59.035 χ^2/NDF:42.4/24

Right Out: 17.566+/-82.379 χ^2/NDF: 43.6/30

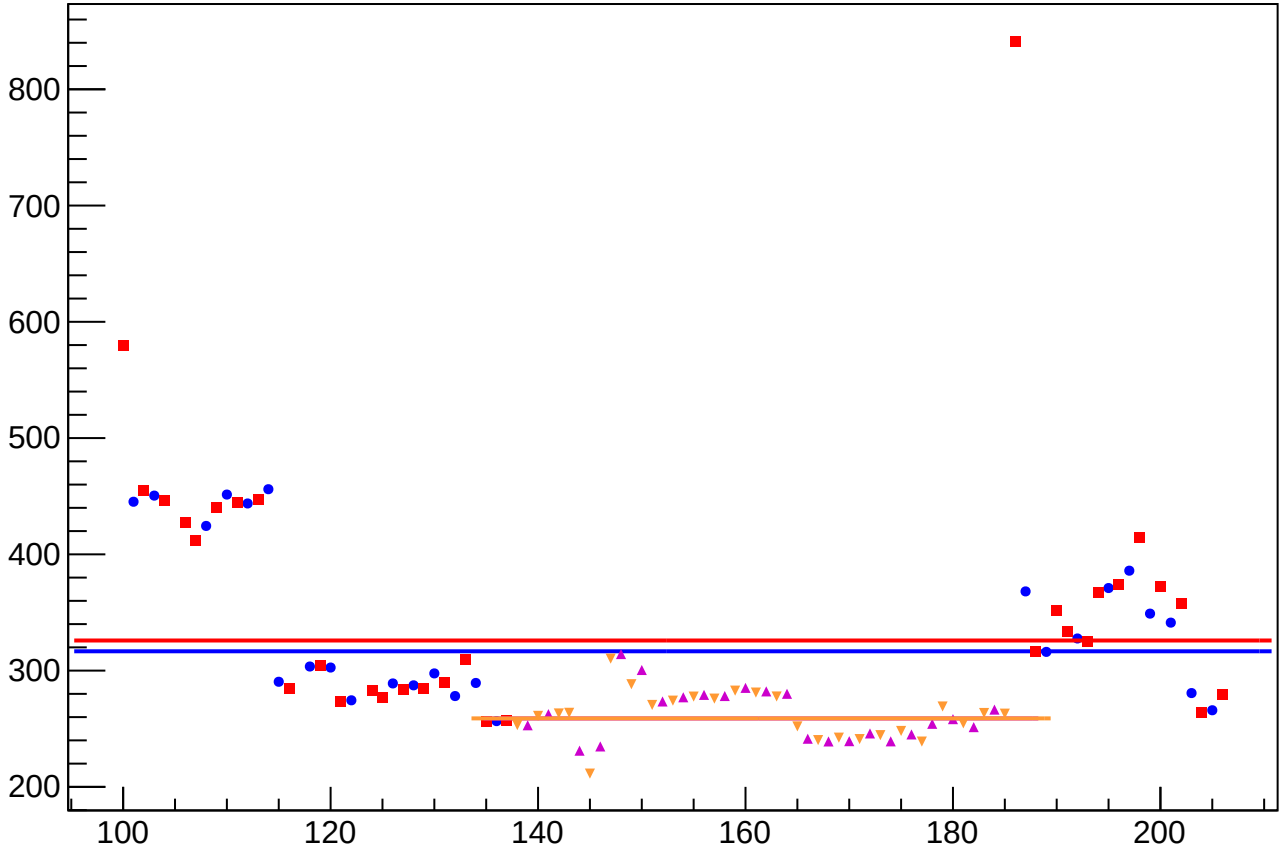
Left In: 158.612+/-60.708 χ^2/NDF:22.5/22

+ sign -144.628+/-48.647 χ^2/NDF: 80.3/49

All: -18.410+/-34.478 χ^2/NDF: 161.9/103

- sign 108.973+/-48.871 χ^2/NDF: 68.1/53

eigen_cor_asym_sam2_rms vs Slug



Right In: 316.624+/-0.061 χ^2/NDF: 820023.6/24

Left Out: 258.912+/-0.042 χ^2/NDF:248740.9/24

Right Out: 325.901+/-0.058 χ^2/NDF: 1327845.1/30

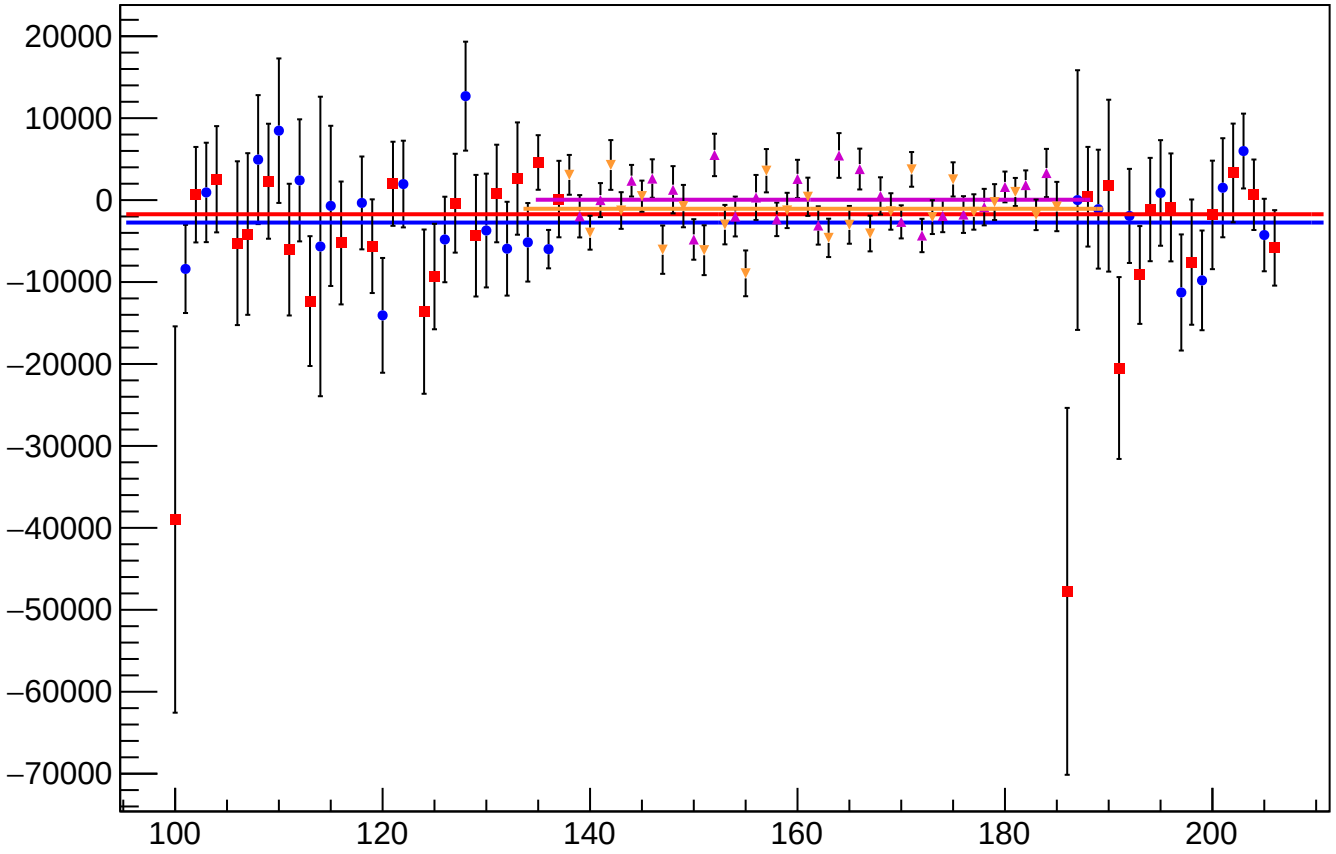
Left In: 258.843+/-0.043 χ^2/NDF:244953.3/22

+ sign 277.435+/-0.034 χ^2/NDF: 1682242.5/49

All: 279.928+/-0.024 χ^2/NDF: 4124428.2/103

- sign 282.443+/-0.035 χ^2/NDF: 2431636.8/53

asym_sam2_eigen_cor_correction_mean vs Slug



Right In: -2740.753+/-1120.592 χ^2/NDF: 23.7/24

Left Out: -1059.232+/-454.653 χ^2/NDF:41.5/24

Right Out: -1726.522+/-1139.576 χ^2/NDF: 25.5/30

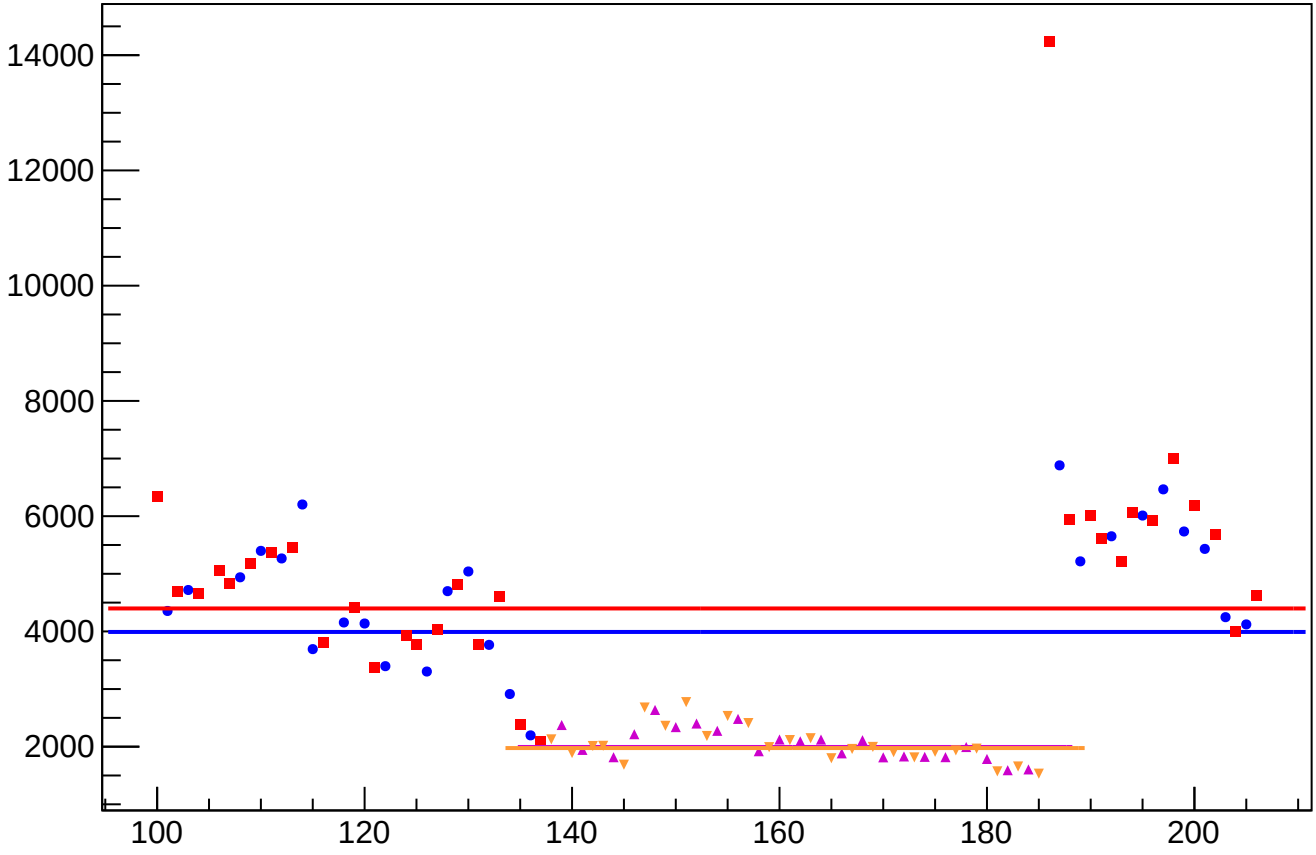
Left In: 44.348+/-470.700 χ^2/NDF:34.2/22

+ sign -1296.908+/-421.298 χ^2/NDF: 67.1/49

All: -772.717+/-302.647 χ^2/NDF: 132.0/103

- sign -213.746+/-435.049 χ^2/NDF: 61.7/53

asym_sam2_eigen_cor_correction_rms vs Slug



Right In: 3990.905+/-0.792 χ^2/NDF: 2632172.0/24

Left Out: 1975.967+/-0.321 χ^2/NDF:763328.1/24

Right Out: 4398.563+/-0.806 χ^2/NDF: 2861894.6/30

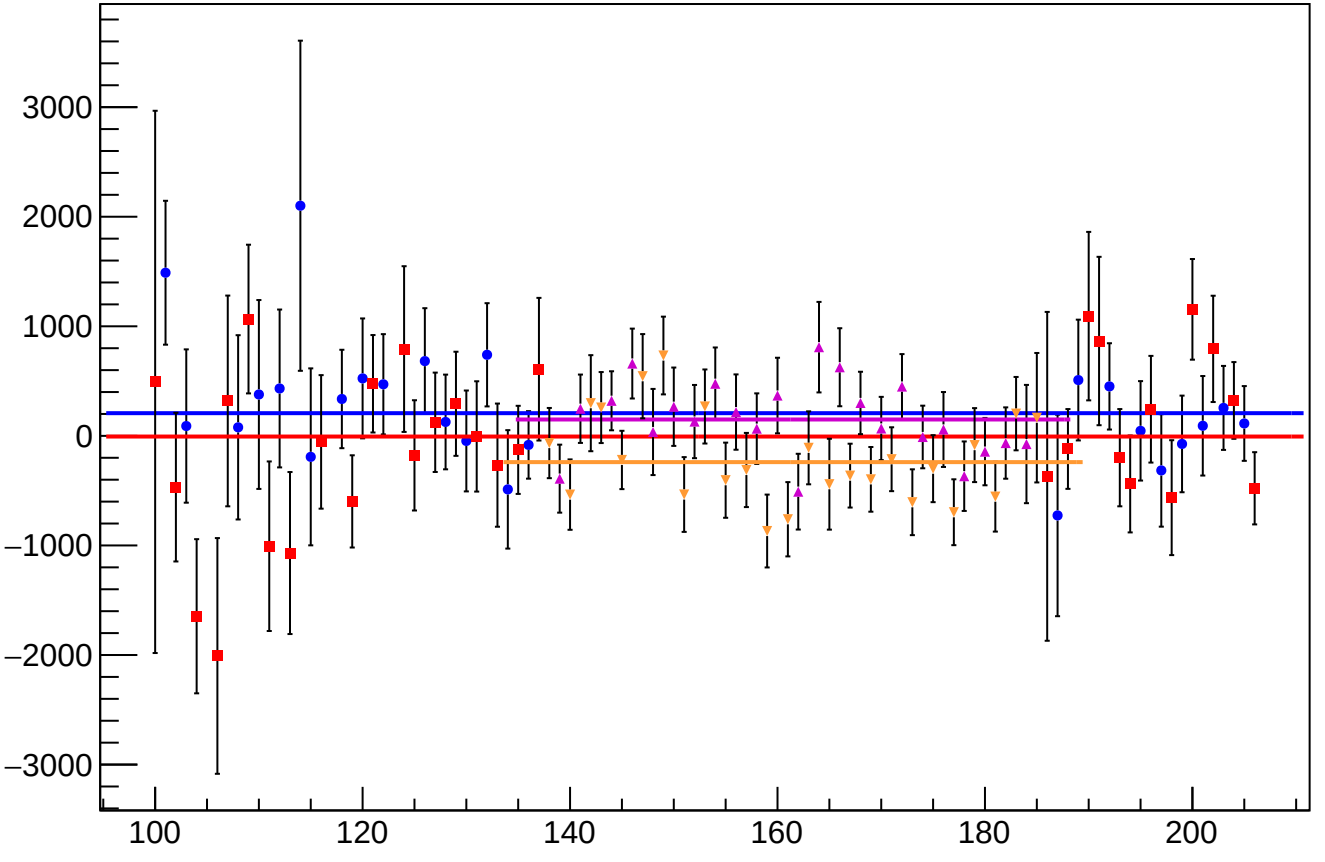
Left In: 1994.760+/-0.333 χ^2/NDF:599996.2/22

+ sign 2260.770+/-0.298 χ^2/NDF: 8947849.2/49

All: 2301.581+/-0.214 χ^2/NDF: 20050538.2/1

- sign 2345.100+/-0.308 χ^2/NDF: 11063909.1/53

dit_asym_sam2_mean vs Slug



Right In: 207.171+/-99.066 χ^2/NDF: 15.1/24

Left Out: -239.549+/-66.167 χ^2/NDF:34.0/24

Right Out: -6.098+/-94.577 χ^2/NDF: 39.9/30

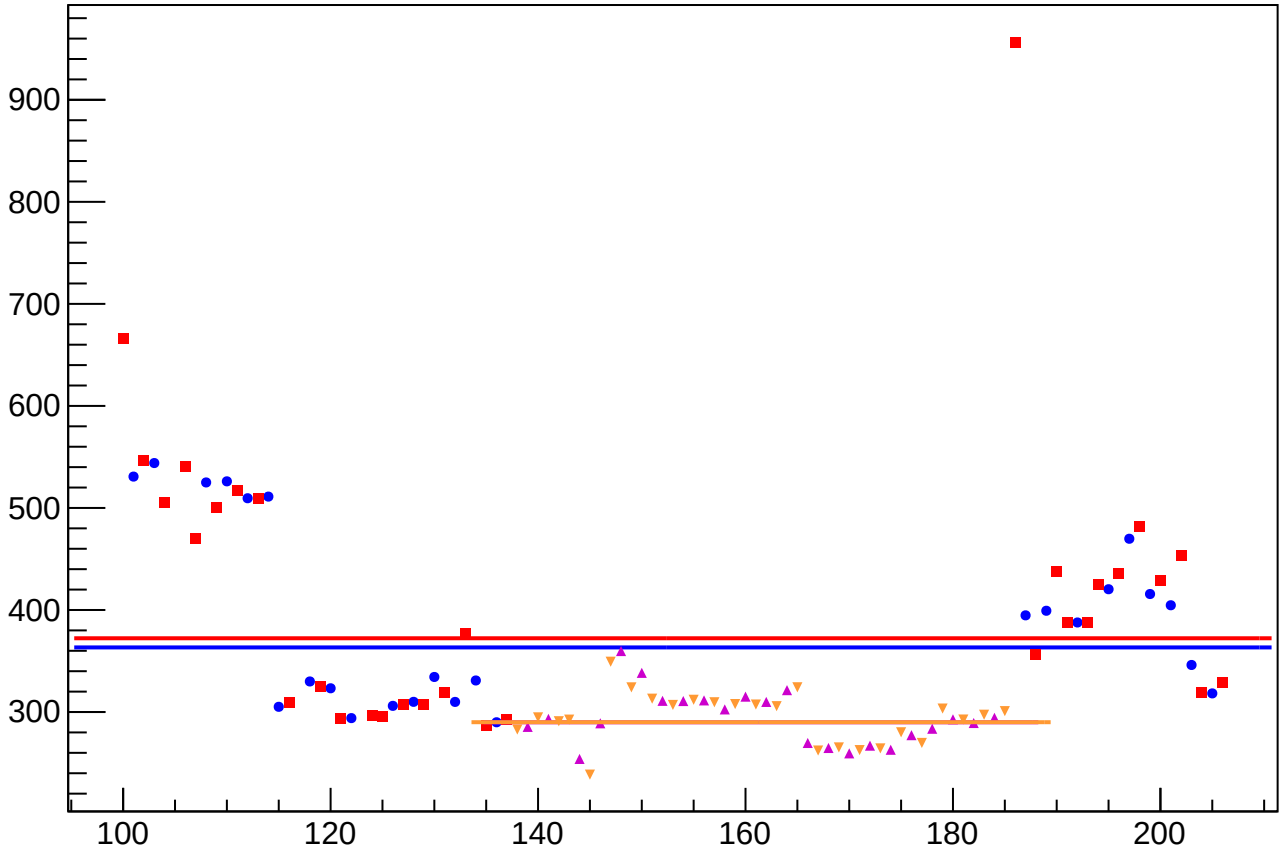
Left In: 149.516+/-68.160 χ^2/NDF:21.7/22

+ sign -101.741+/-55.023 χ^2/NDF: 63.2/49

All: -3.200+/-39.003 χ^2/NDF: 133.1/103

- sign 96.322+/-55.296 χ^2/NDF: 63.4/53

dit_asym_sam2_rms vs Slug



Right In: 363.311+/-0.070 χ^2/NDF: 1021002.0/24

Left Out: 290.023+/-0.047 χ^2/NDF:280647.1/24

Right Out: 372.283+/-0.067 χ^2/NDF: 1547817.0/30

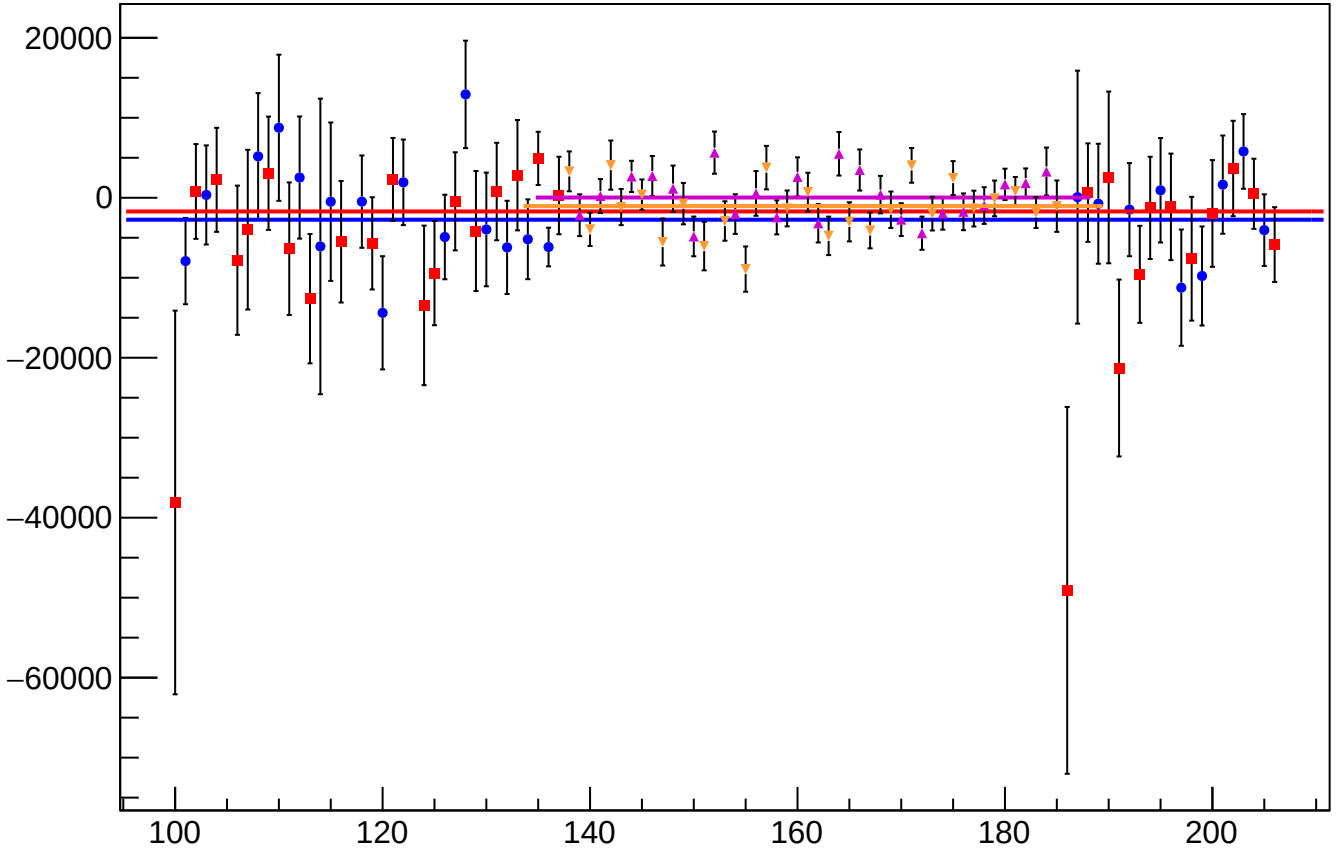
Left In: 289.941+/-0.048 χ^2/NDF:269669.5/22

+ sign 312.631+/-0.039 χ^2/NDF: 2058564.8/49

All: 315.346+/-0.028 χ^2/NDF: 4883615.1/103

- sign 318.089+/-0.039 χ^2/NDF: 2815262.0/53

asym_sam2_dit_correction_mean vs Slug



Right In: -2743.578+/-1144.105 χ^2/NDF: 23.2/24

Left Out: -1036.592+/-465.324 χ^2/NDF:40.3/24

Right Out: -1709.764+/-1152.359 χ^2/NDF: 26.8/30

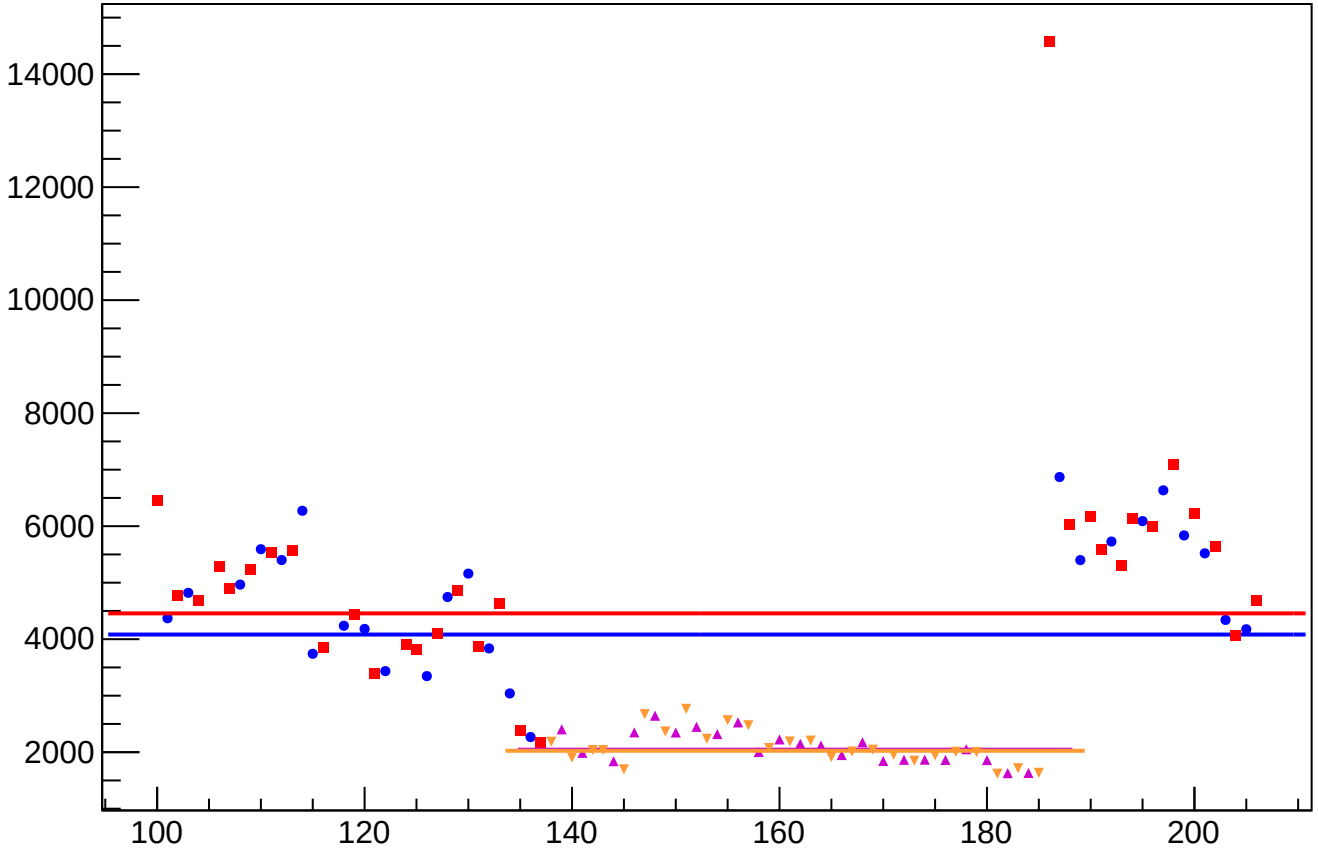
Left In: 30.393+/-482.280 χ^2/NDF:34.1/22

+ sign -1278.877+/-431.037 χ^2/NDF: 65.4/49

All: -770.525+/-309.571 χ^2/NDF: 131.1/103

- sign -228.975+/-444.889 χ^2/NDF: 62.8/53

asym_sam2_dit_correction_rms vs Slug



Right In: 4082.293+/-0.809 χ^2/NDF: 2552800.5/24

Left Out: 2025.085+/-0.329 χ^2/NDF:700821.6/24

Right Out: 4456.729+/-0.815 χ^2/NDF: 2859529.1/30

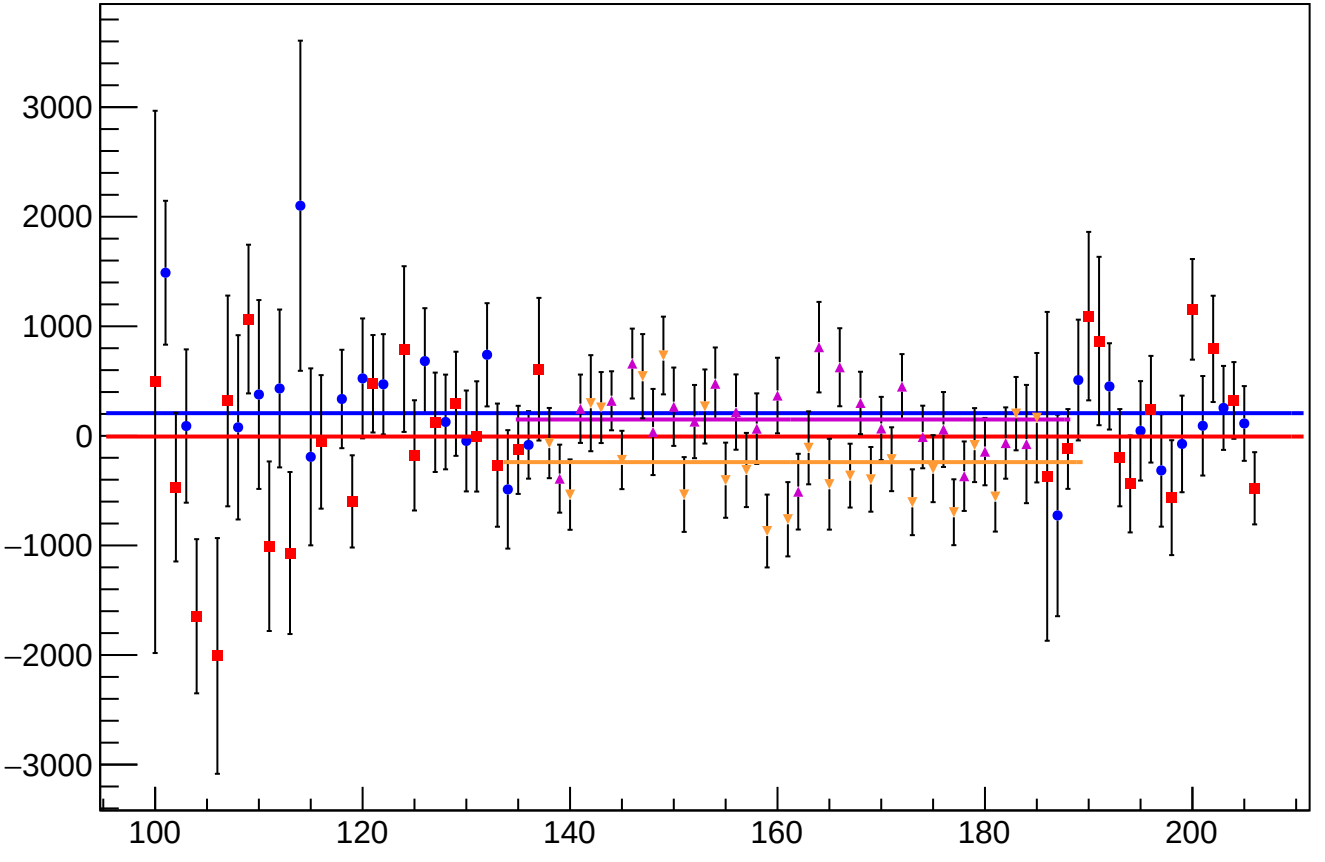
Left In: 2044.523+/-0.341 χ^2/NDF:584918.7/22

+ sign 2317.080+/-0.305 χ^2/NDF: 8802094.5/49

All: 2359.194+/-0.219 χ^2/NDF: 19743389.5/1

- sign 2404.059+/-0.315 χ^2/NDF: 10901863.4/53

eigen_dit_asym_sam2_mean vs Slug



Right In: 207.176+/-99.065 χ^2/NDF: 15.1/24

Left Out: -239.552+/-66.167 χ^2/NDF:34.0/24

Right Out: -6.099+/-94.577 χ^2/NDF: 39.9/30

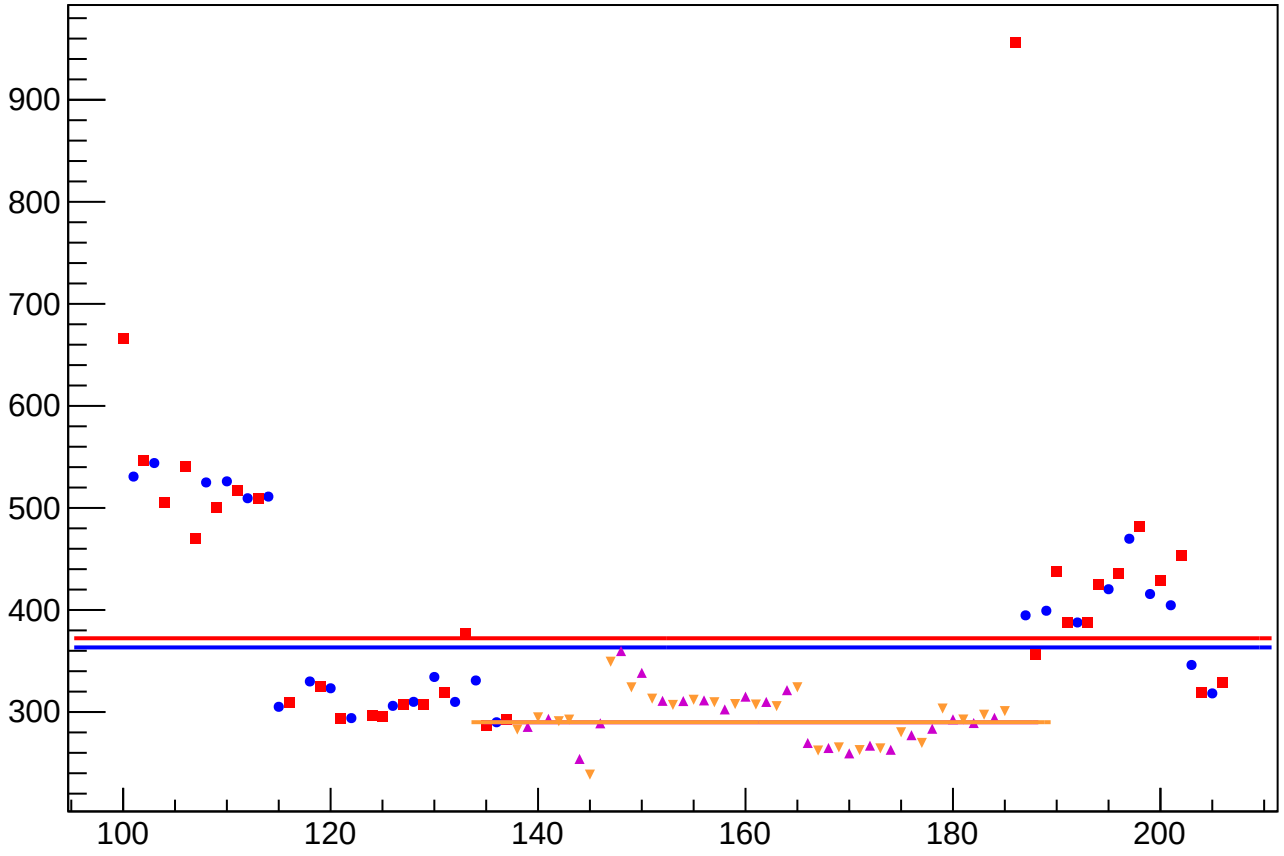
Left In: 149.517+/-68.160 χ^2/NDF:21.7/22

+ sign -101.742+/-55.023 χ^2/NDF: 63.2/49

All: -3.201+/-39.003 χ^2/NDF: 133.1/103

- sign 96.322+/-55.296 χ^2/NDF: 63.4/53

eigen_dit_asym_sam2_rms vs Slug



Right In: 363.310+/-0.070 χ^2/NDF: 1020999.6/24

Left Out: 290.023+/-0.047 χ^2/NDF:280652.8/24

Right Out: 372.282+/-0.067 χ^2/NDF: 1547808.8/30

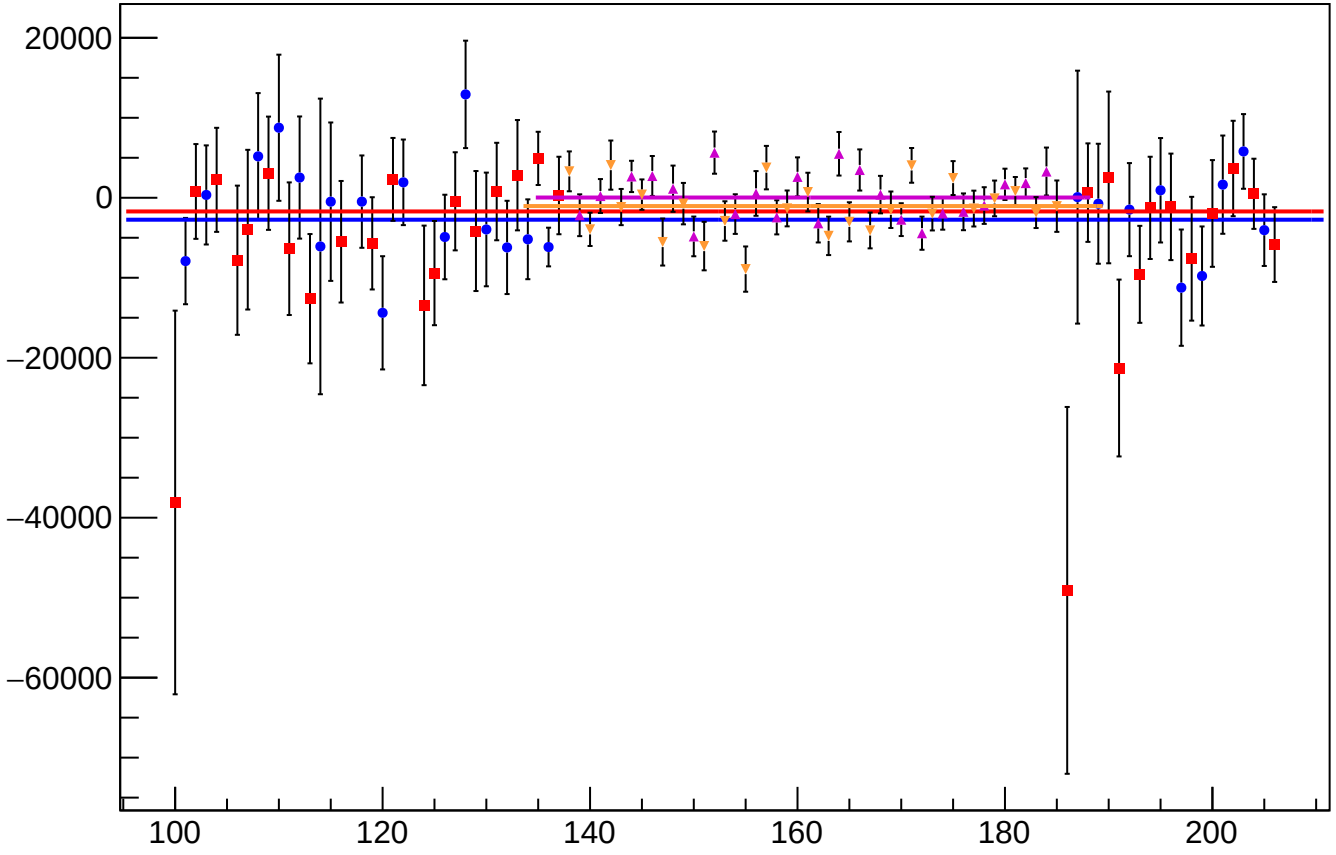
Left In: 289.941+/-0.048 χ^2/NDF:269671.9/22

+ sign 312.631+/-0.039 χ^2/NDF: 2058547.5/49

All: 315.346+/-0.028 χ^2/NDF: 4883582.9/103

- sign 318.088+/-0.039 χ^2/NDF: 2815246.9/53

asym_sam2_eigen_dit_correction_mean vs Slug



Right In: -2743.573+/-1144.104 χ^2/NDF: 23.2/24

Left Out: -1036.591+/-465.324 χ^2/NDF:40.3/24

Right Out: -1709.768+/-1152.358 χ^2/NDF: 26.8/30

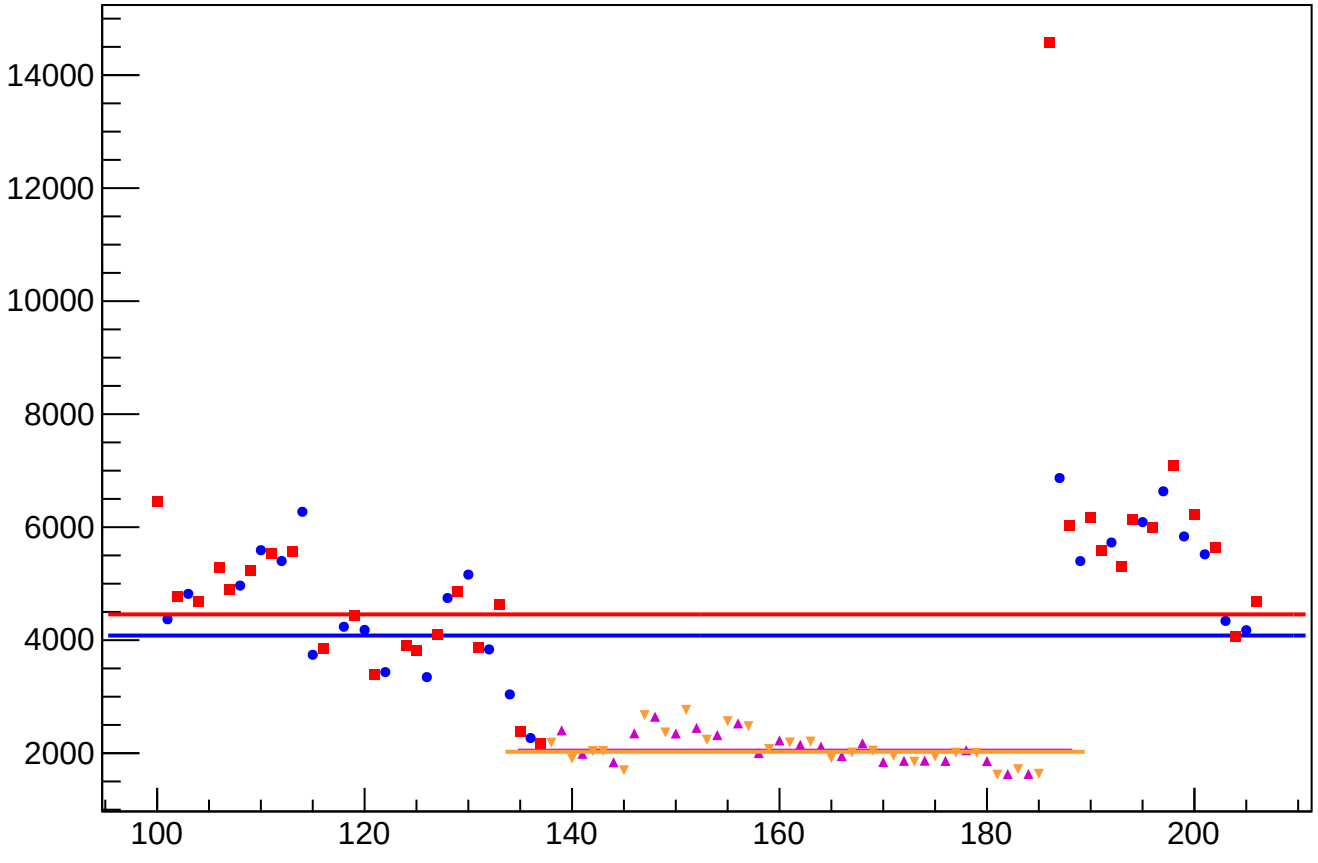
Left In: 30.392+/-482.280 χ^2/NDF:34.1/22

+ sign -1278.877+/-431.037 χ^2/NDF: 65.4/49

All: -770.526+/-309.571 χ^2/NDF: 131.1/103

- sign -228.977+/-444.889 χ^2/NDF: 62.8/53

asym_sam2_eigen_dit_correction_rms vs Slug



Right In: 4082.291+/-0.809 χ^2/NDF: 2552791.5/24

Left Out: 2025.085+/-0.329 χ^2/NDF:700825.4/24

Right Out: 4456.726+/-0.815 χ^2/NDF: 2859525.1/30

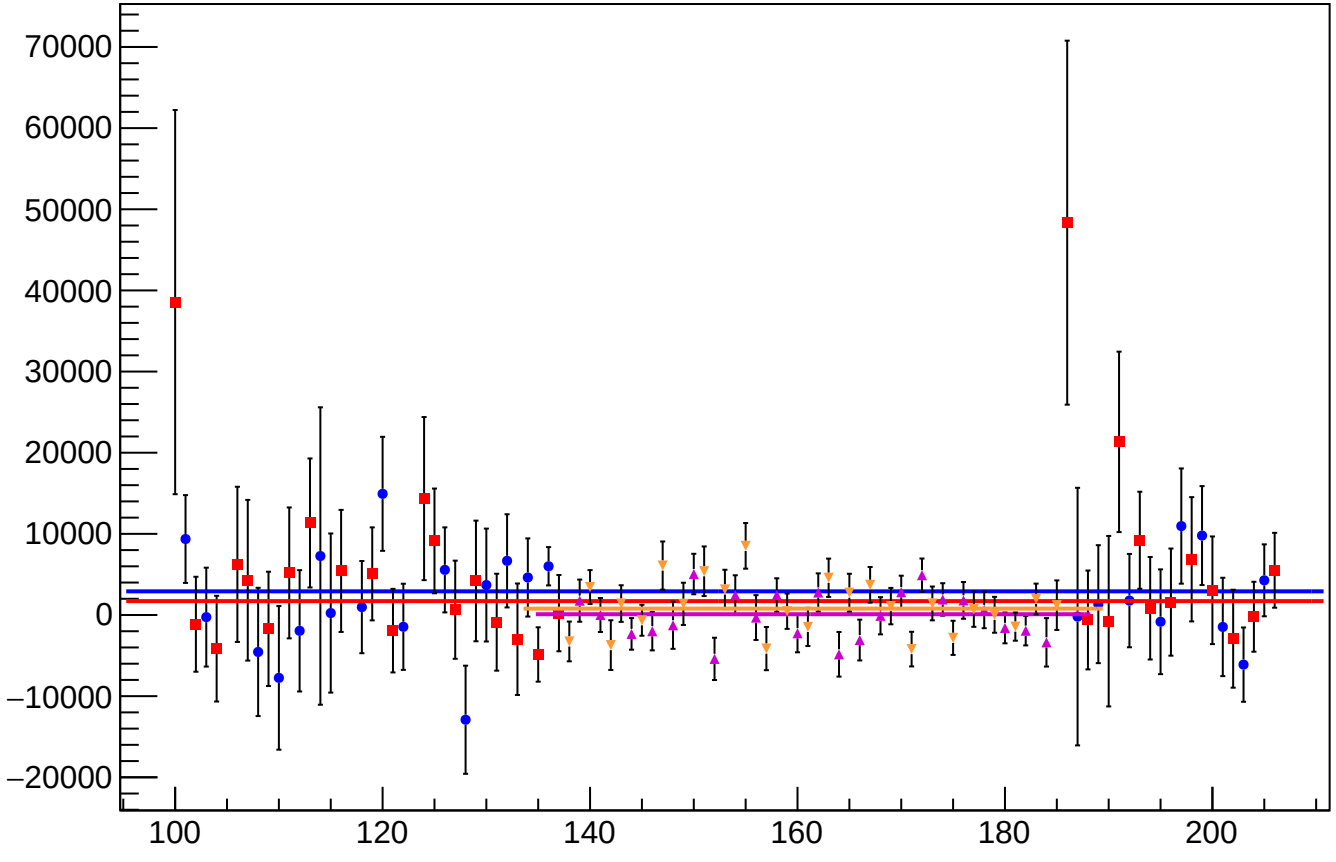
Left In: 2044.522+/-0.341 χ^2/NDF:584922.7/22

+ sign 2317.081+/-0.305 χ^2/NDF: 8802081.8/49

All: 2359.195+/-0.219 χ^2/NDF: 19743368.9/1

- sign 2404.059+/-0.315 χ^2/NDF: 10901856.0/53

asym_sam2_mean vs Slug



Right In: 2916.542+/-1125.020 χ^2/NDF: 24.0/24

Left Out: 788.321+/-458.726 χ^2/NDF:41.3/24

Right Out: 1710.537+/-1142.565 χ^2/NDF: 25.6/30

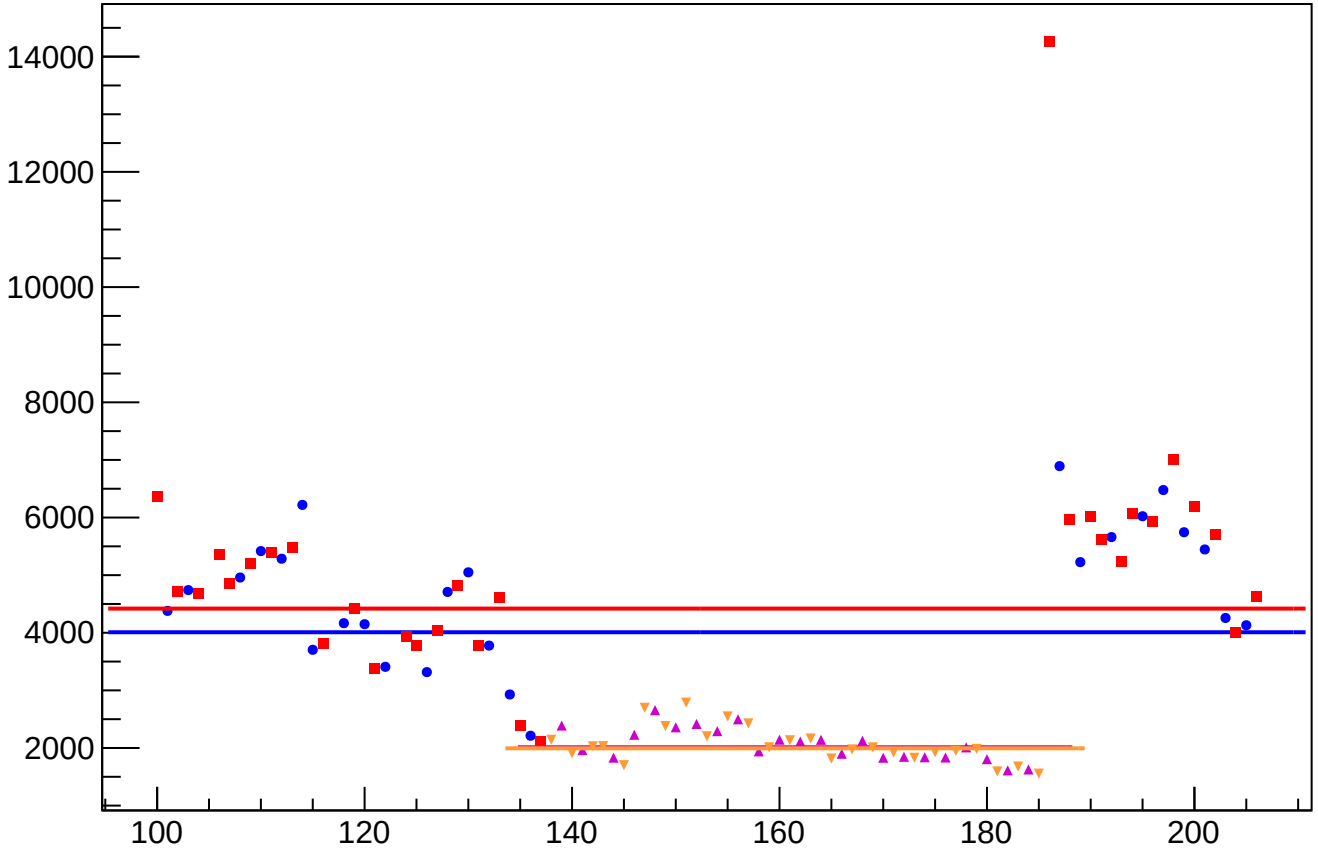
Left In: 96.730+/-474.825 χ^2/NDF:32.8/22

+ sign 1091.715+/-424.772 χ^2/NDF: 68.4/49

All: 725.070+/-305.087 χ^2/NDF: 130.1/103

- sign 334.397+/-438.469 χ^2/NDF: 60.1/53

asym_sam2_rms vs Slug



Right In: 4009.032+/-0.796 χ^2/NDF: 2603913.4/24

Left Out: 1994.246+/-0.324 χ^2/NDF:746498.4/24

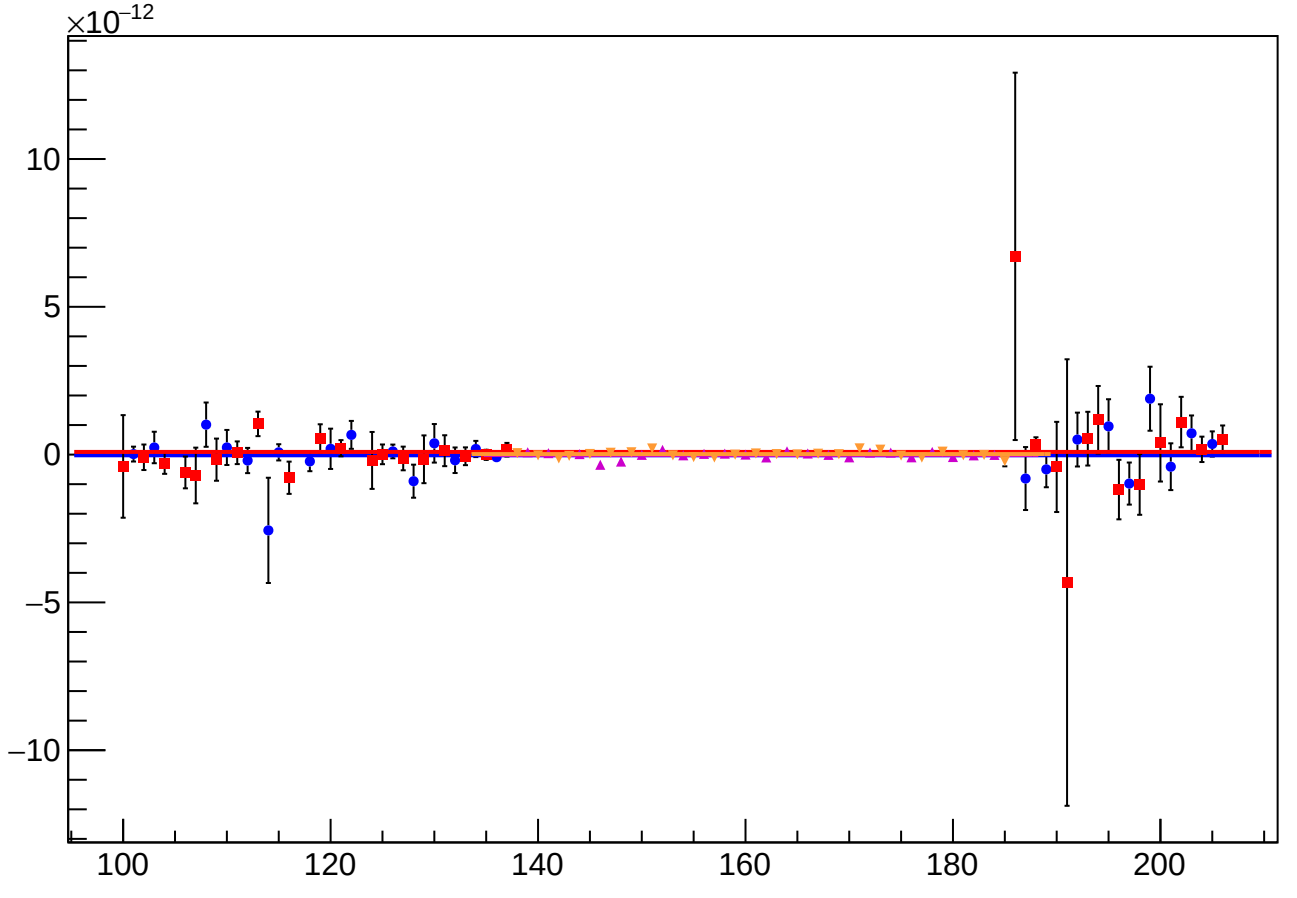
Right Out: 4419.578+/-0.808 χ^2/NDF: 2849982.3/30

Left In: 2012.692+/-0.336 χ^2/NDF:587260.9/22

+ sign 2281.469+/-0.300 χ^2/NDF: 8850534.1/49

All: 2322.953+/-0.216 χ^2/NDF: 19895346.2/1

- sign 2367.156+/-0.310 χ^2/NDF: 11005410.2/53



Right In: -0.000+/-0.000 χ^2/NDF: 22.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.2/24

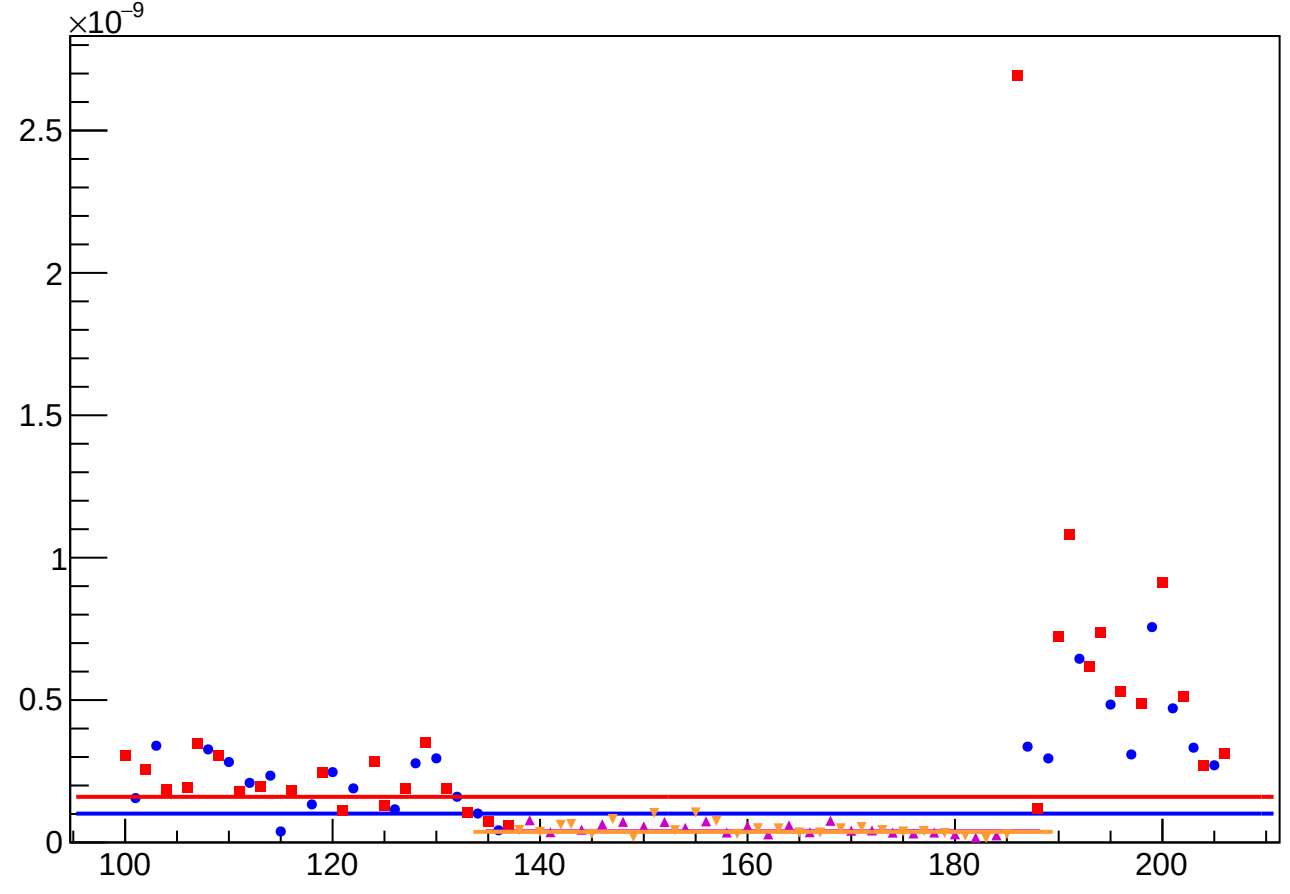
Right Out: 0.000+/-0.000 χ^2/NDF: 23.1/30

Left In: -0.000+/-0.000 χ^2/NDF:30.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.8/49

All: 0.000+/-0.000 χ^2/NDF: 100.8/103

- sign -0.000+/-0.000 χ^2/NDF: 55.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 6197360.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2323330.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5118565.7/30

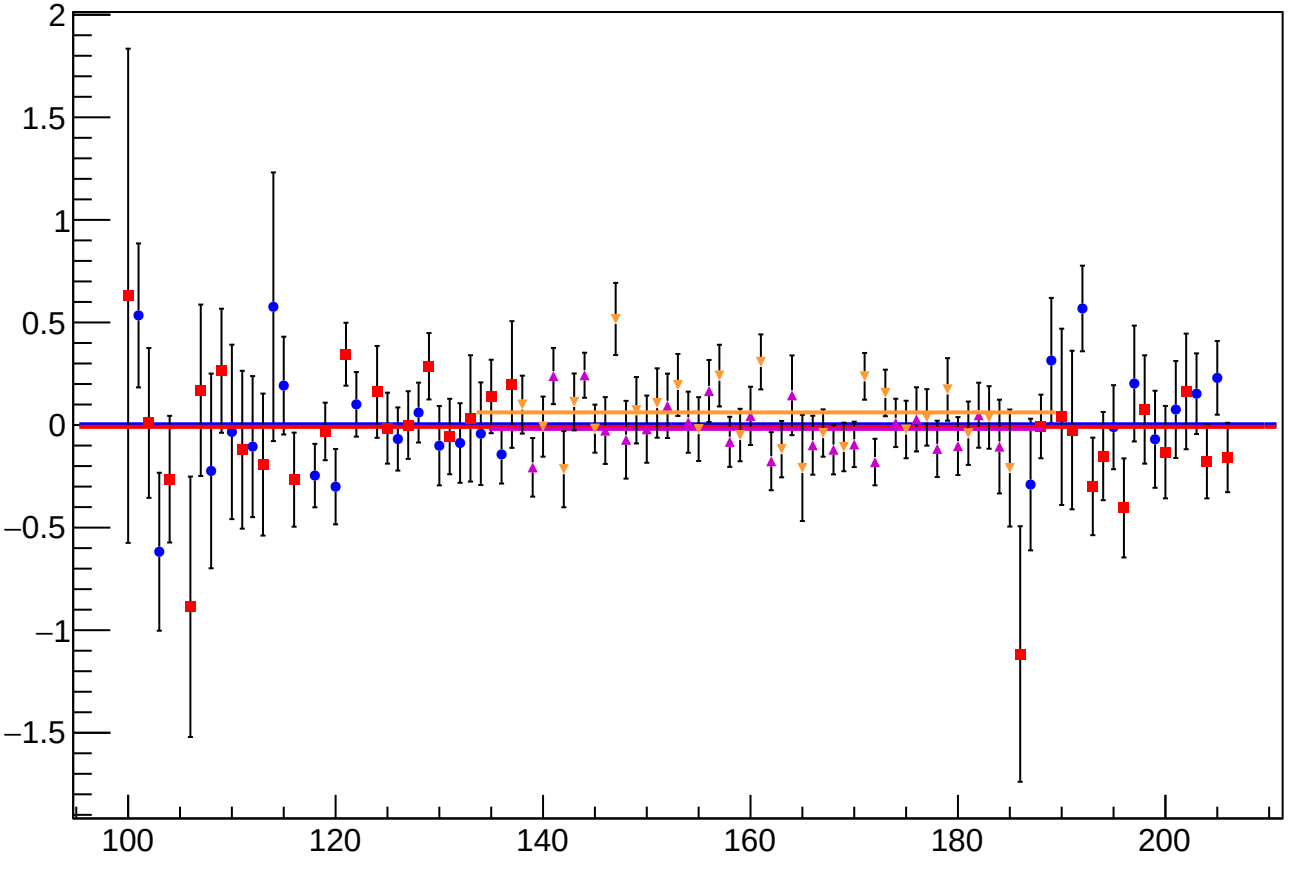
Left In: 0.000+/-0.000 χ^2/NDF:1921481.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10752342.5/49

All: 0.000+/-0.000 χ^2/NDF: 22702791.6/103

- sign 0.000+/-0.000 χ^2/NDF: 11908983.3/53

asym_sam2_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.009+/-0.041 χ^2/NDF: 26.2/30

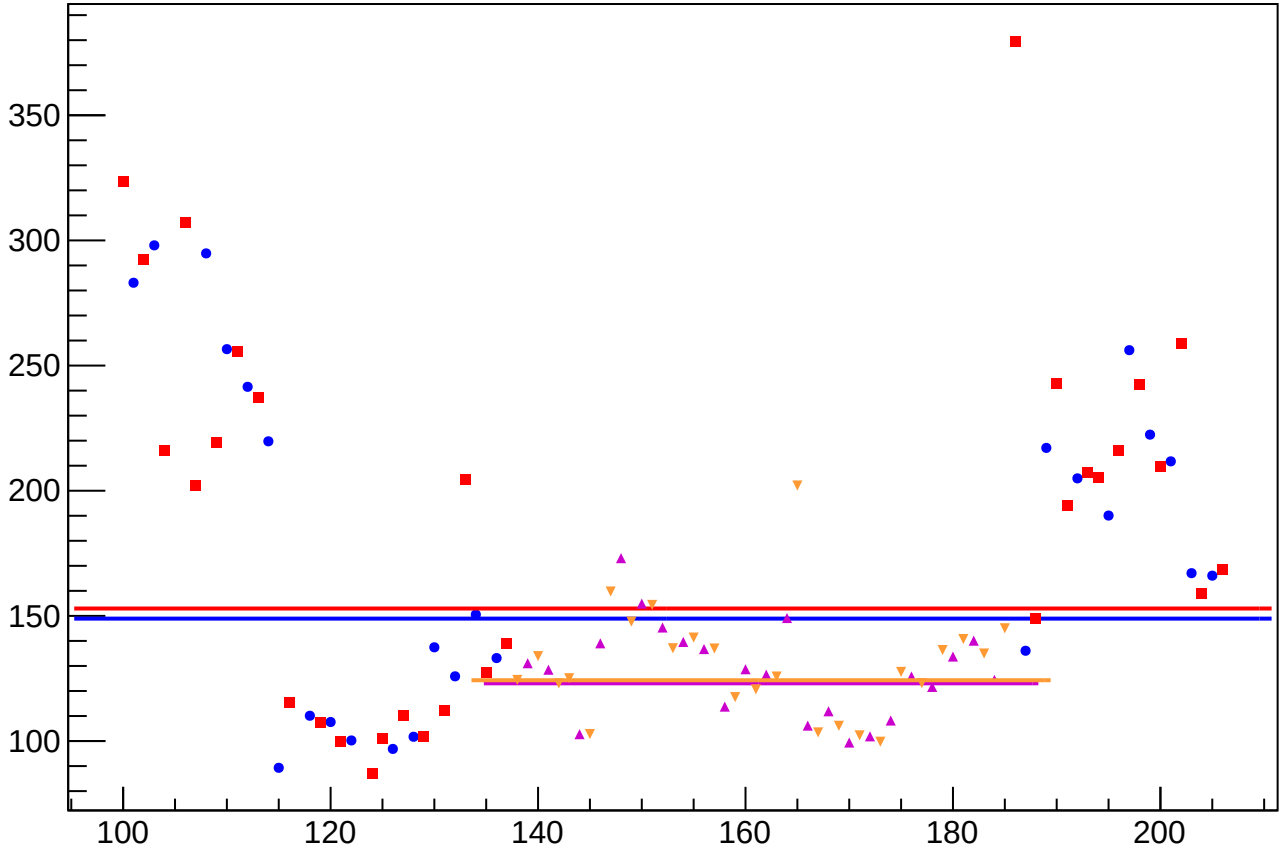
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.044+/-0.024 χ^2/NDF: 55.1/49

All: 0.014+/-0.017 χ^2/NDF: 104.7/103

- sign -0.015+/-0.024 χ^2/NDF: 46.6/53

asym_sam2_dit_vs_cor_diff_rms vs Slug



Right In: 148.912+/-0.030 χ^2/NDF: 3106040.2/24

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

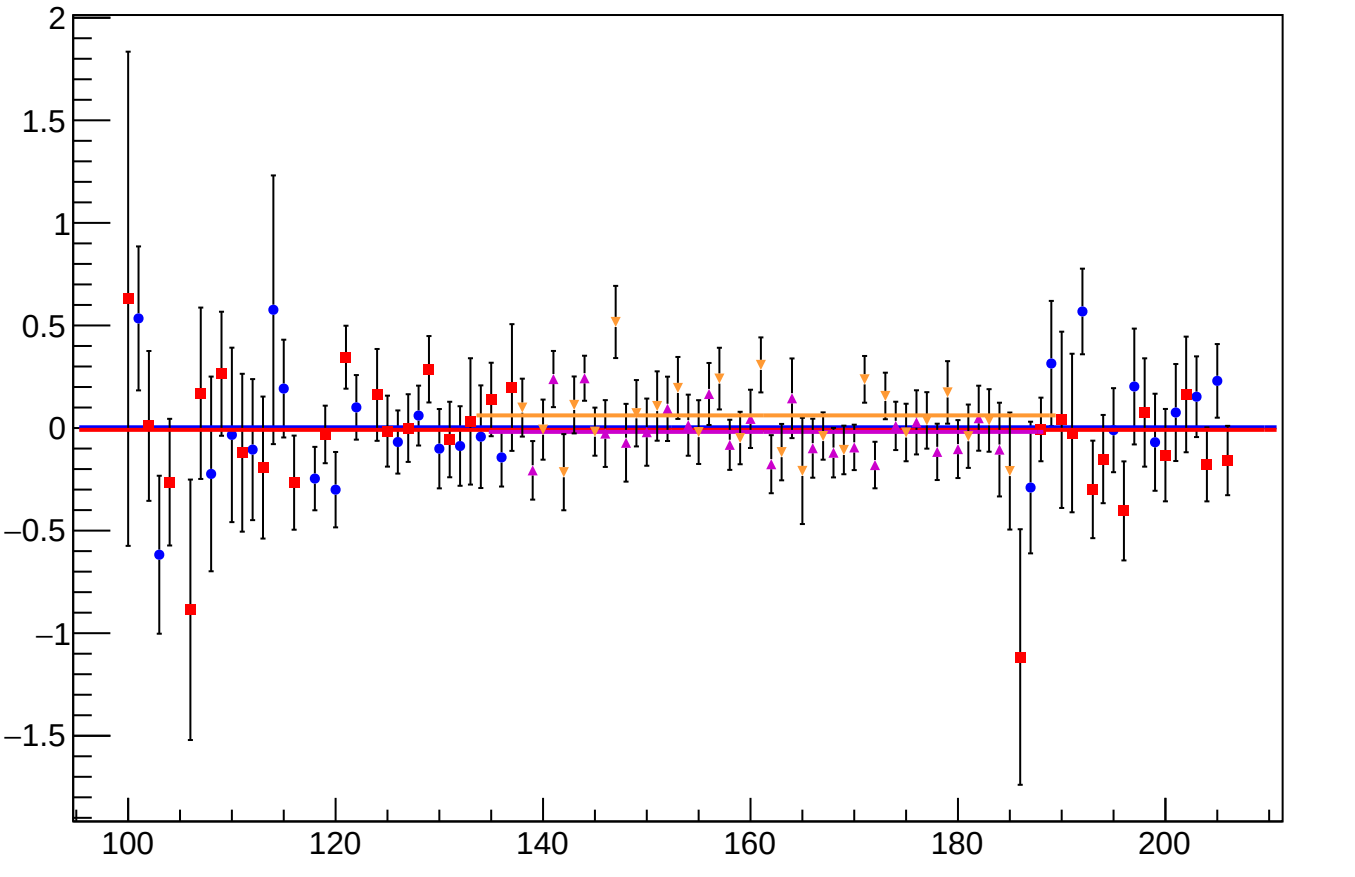
Right Out: 152.951+/-0.029 χ^2/NDF: 3700115.3/30

Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 131.919+/-0.017 χ^2/NDF: 4403553.9/49

All: 132.581+/-0.012 χ^2/NDF: 9533080.7/103

- sign 133.243+/-0.017 χ^2/NDF: 5126435.1/53



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.009+/-0.041 χ^2/NDF: 26.2/30

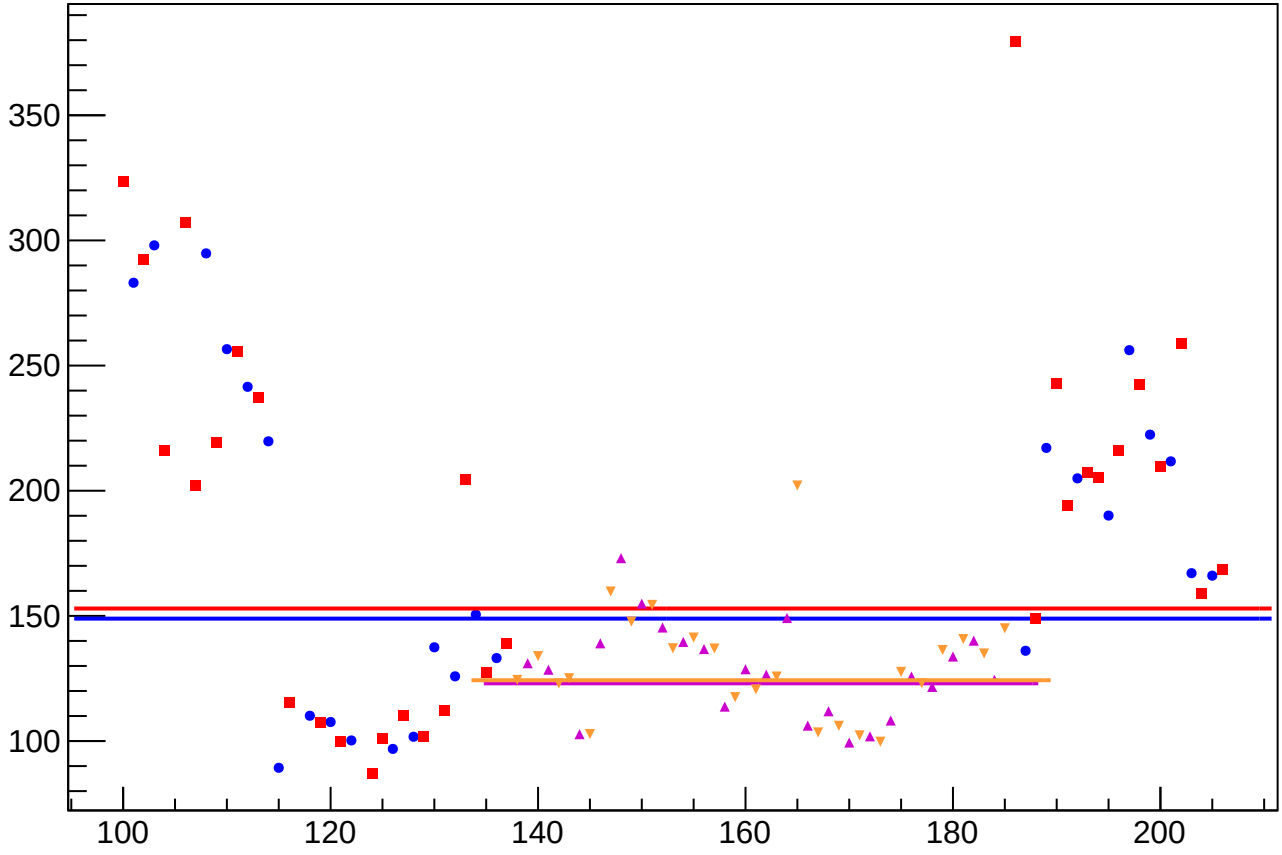
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.044+/-0.024 χ^2/NDF: 55.1/49

All: 0.014+/-0.017 χ^2/NDF: 104.7/103

- sign -0.015+/-0.024 χ^2/NDF: 46.6/53

asym_sam2_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 148.912+/-0.030 χ^2/NDF: 3106040.2/24

Left Out: 124.292+/-0.020 χ^2/NDF:840983.3/24

Right Out: 152.951+/-0.029 χ^2/NDF: 3700115.3/30

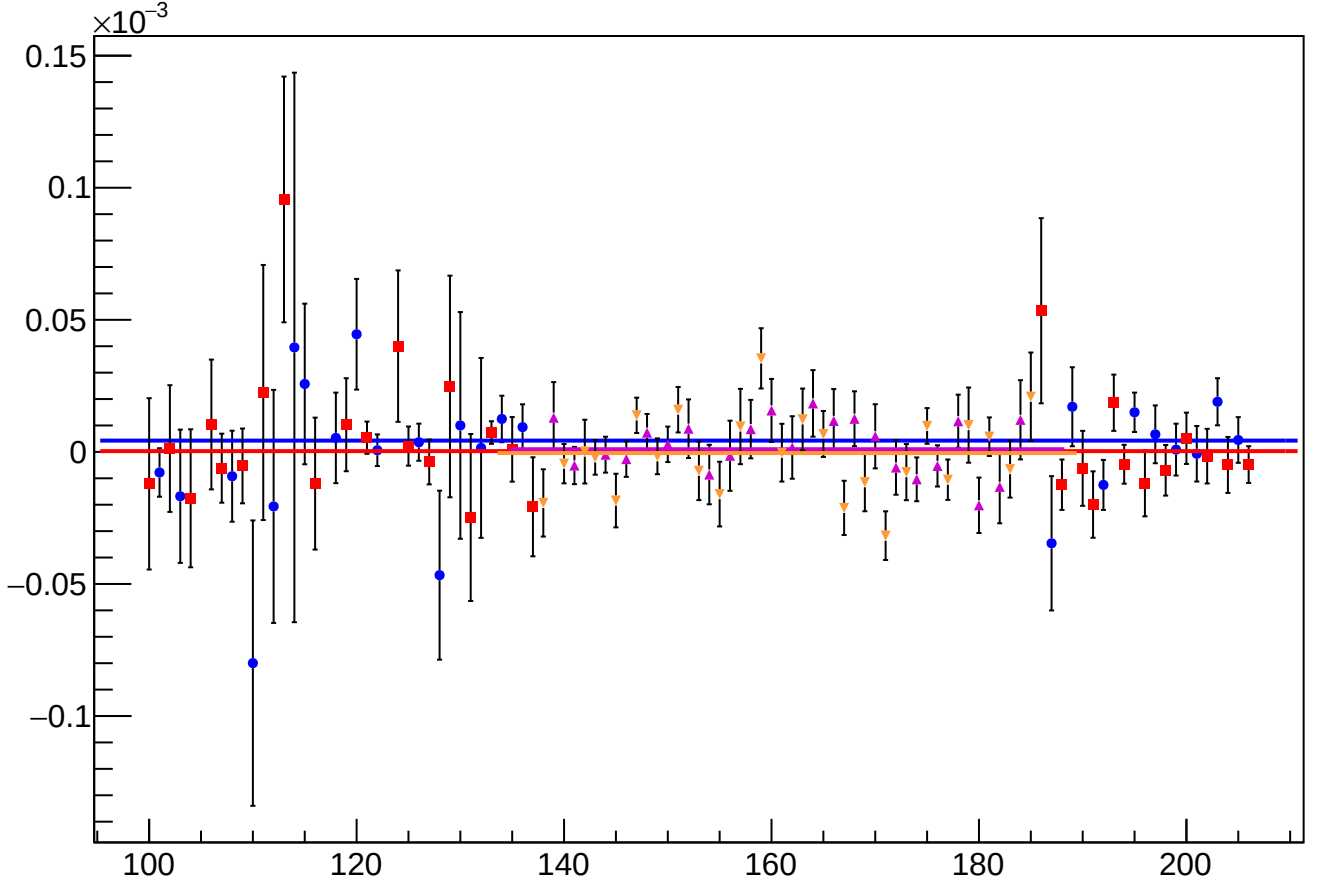
Left In: 123.062+/-0.021 χ^2/NDF:718821.1/22

+ sign 131.919+/-0.017 χ^2/NDF: 4403553.9/49

All: 132.581+/-0.012 χ^2/NDF: 9533080.7/103

- sign 133.243+/-0.017 χ^2/NDF: 5126435.1/53

asym_sam2_eigen_dit_vs_dit_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 25.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:52.5/24

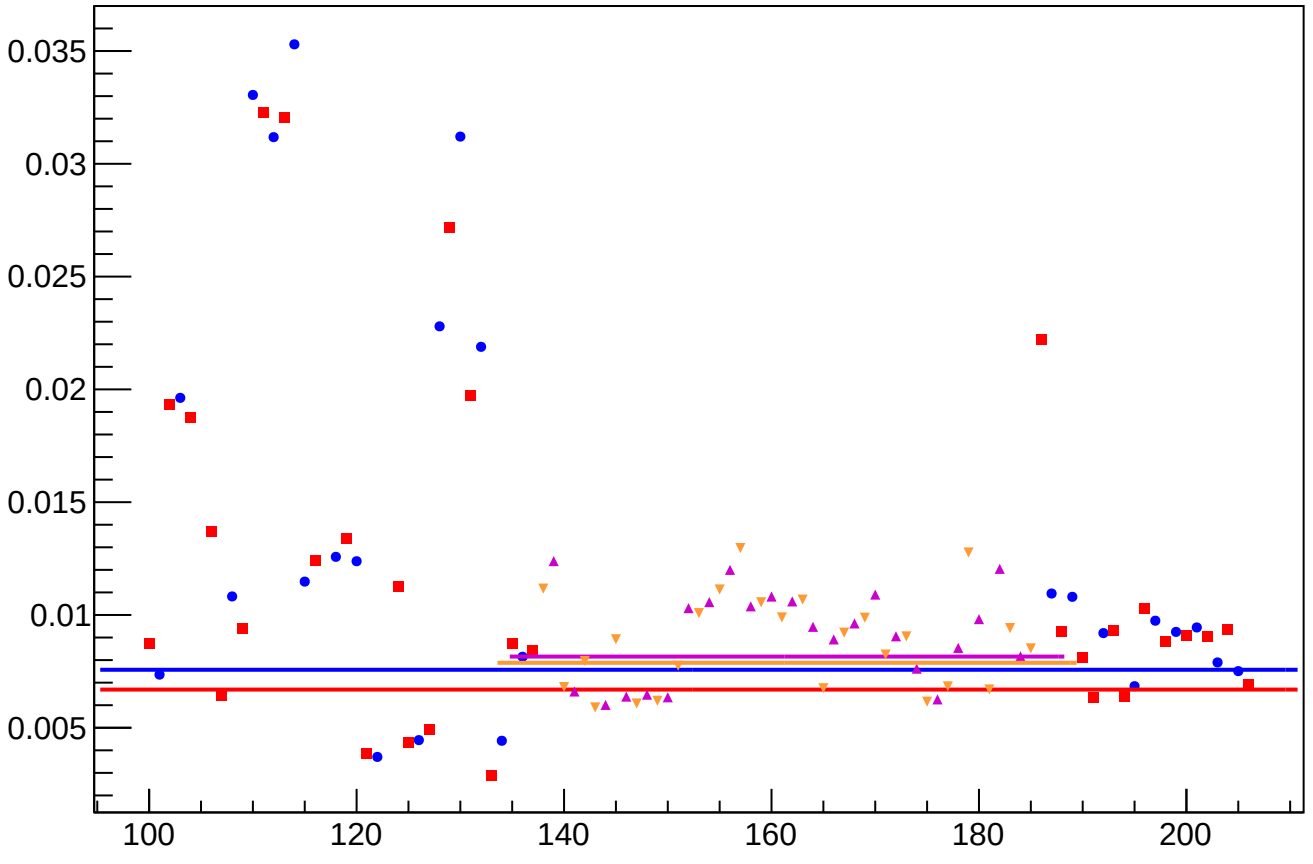
Right Out: 0.000+/-0.000 χ^2/NDF: 26.9/30

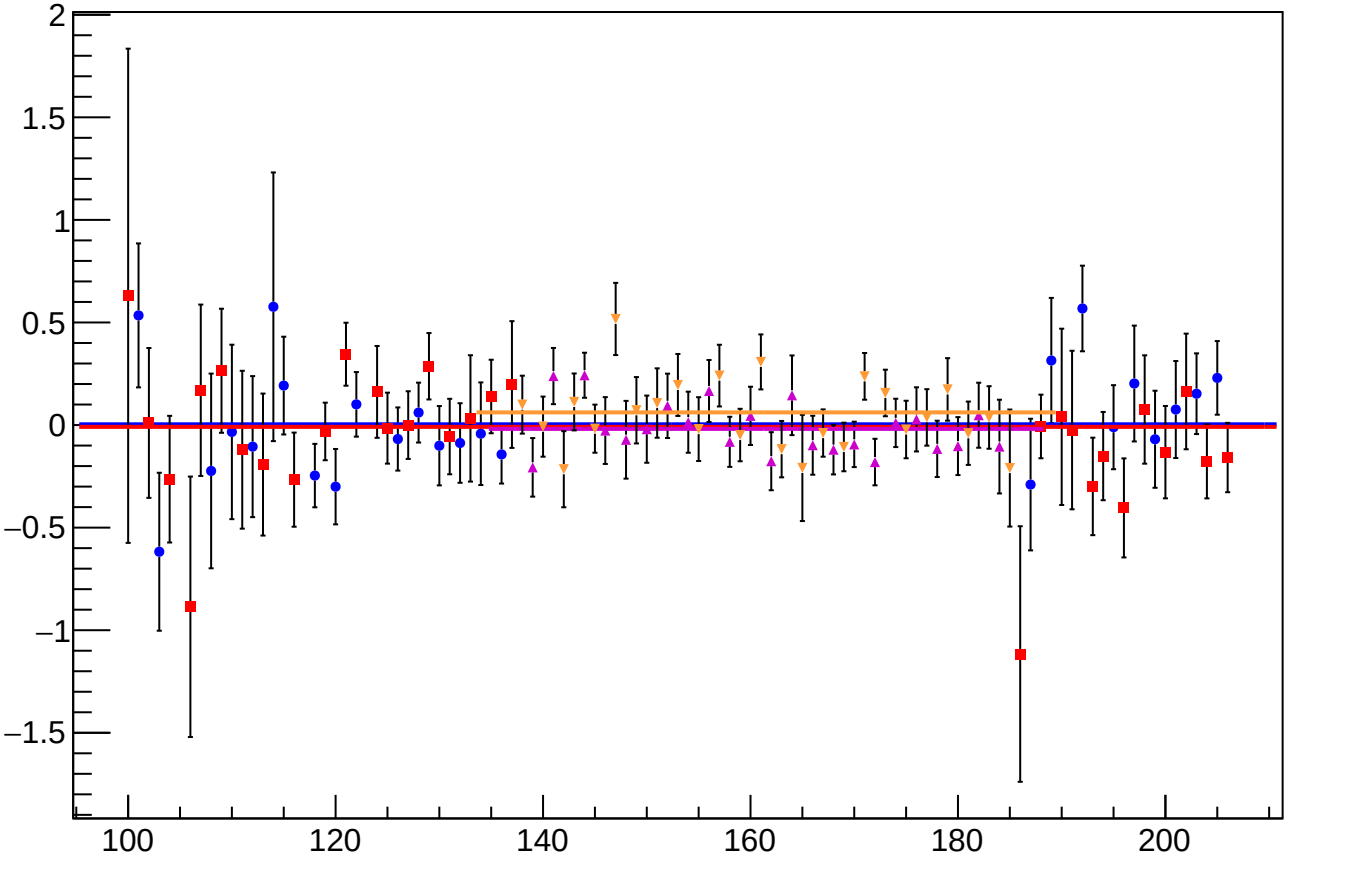
Left In: 0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 80.7/49

All: 0.000+/-0.000 χ^2/NDF: 127.8/103

- sign 0.000+/-0.000 χ^2/NDF: 46.9/53


asym_sam2_eigen_dit_vs_dit_diff_rms vs Slug
0.035
0.03
0.025
0.02
0.015
0.01
0.005
100
120
140
160
180
200
Right In: 0.008+/-0.000 χ²/NDF: 5311366.2/24
Left Out: 0.008+/-0.000 χ²/NDF:2076596.0/24
Right Out: 0.007+/-0.000 χ²/NDF: 7341589.1/30
Left In: 0.008+/-0.000 χ²/NDF:2017677.5/22
+ sign 0.008+/-0.000 χ²/NDF: 7409994.6/49
All: 0.008+/-0.000 χ²/NDF: 17386725.2/103
- sign 0.007+/-0.000 χ²/NDF: 9915412.6/53



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

Right Out: -0.009+/-0.041 χ^2/NDF: 26.2/30

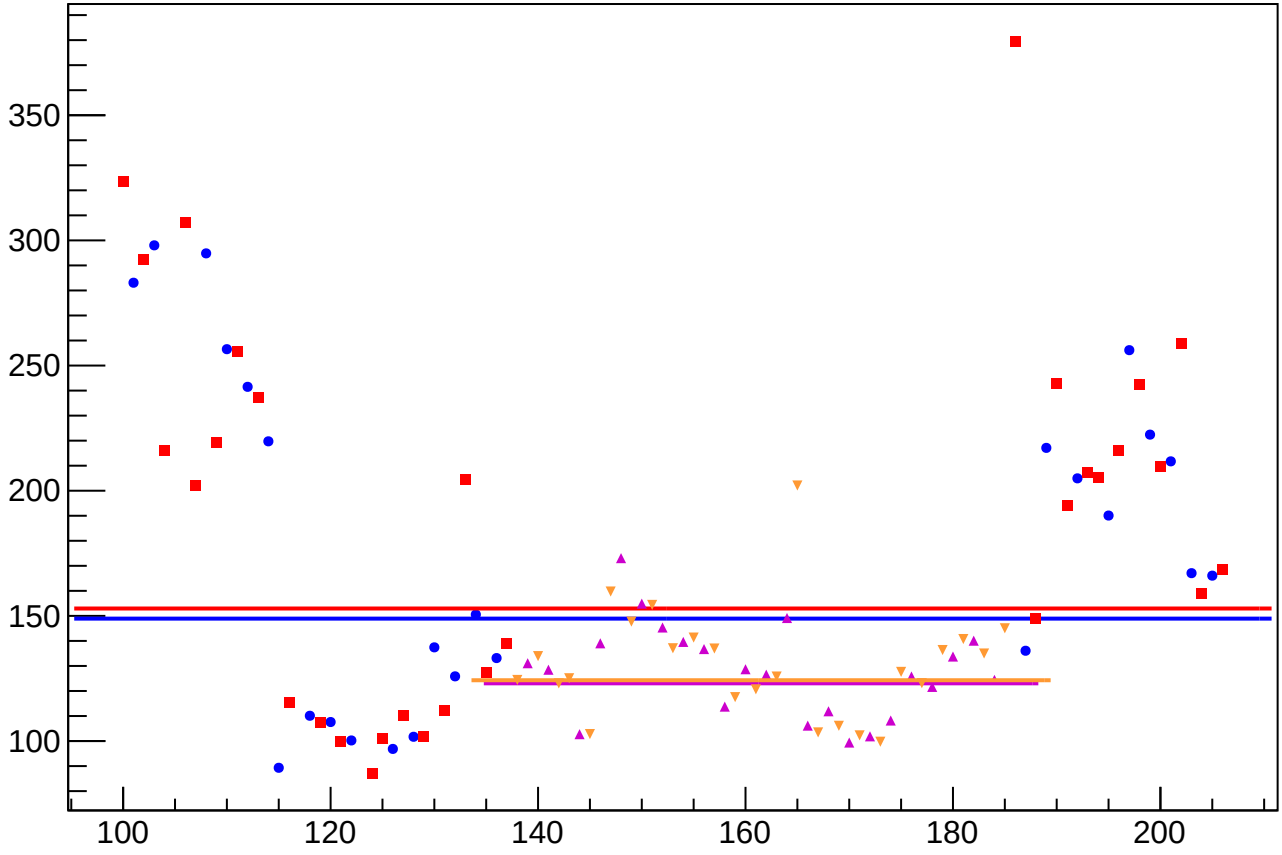
Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.044+/-0.024 χ^2/NDF: 55.1/49

All: 0.014+/-0.017 χ^2/NDF: 104.7/103

- sign -0.015+/-0.024 χ^2/NDF: 46.6/53

asym_sam2_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 148.910+/-0.030 χ^2/NDF: 3106100.1/24

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

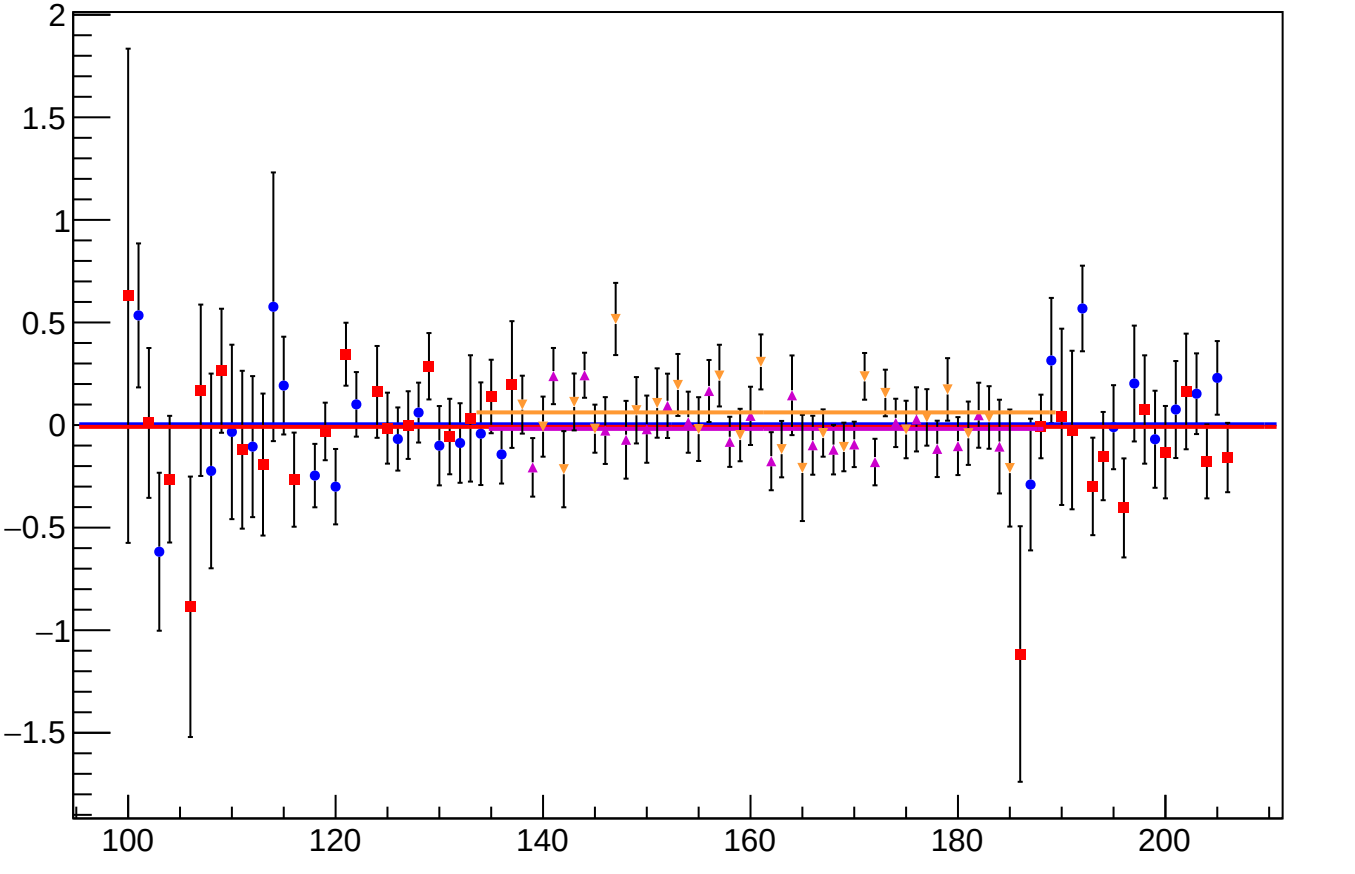
Right Out: 152.949+/-0.029 χ^2/NDF: 3700240.7/30

Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 131.918+/-0.017 χ^2/NDF: 4403585.3/49

All: 132.581+/-0.012 χ^2/NDF: 9533168.7/103

- sign 133.243+/-0.017 χ^2/NDF: 5126492.2/53



Right In: 0.004+/-0.043 χ^2/NDF: 26.4/24

Left Out: 0.062+/-0.029 χ^2/NDF:27.4/24

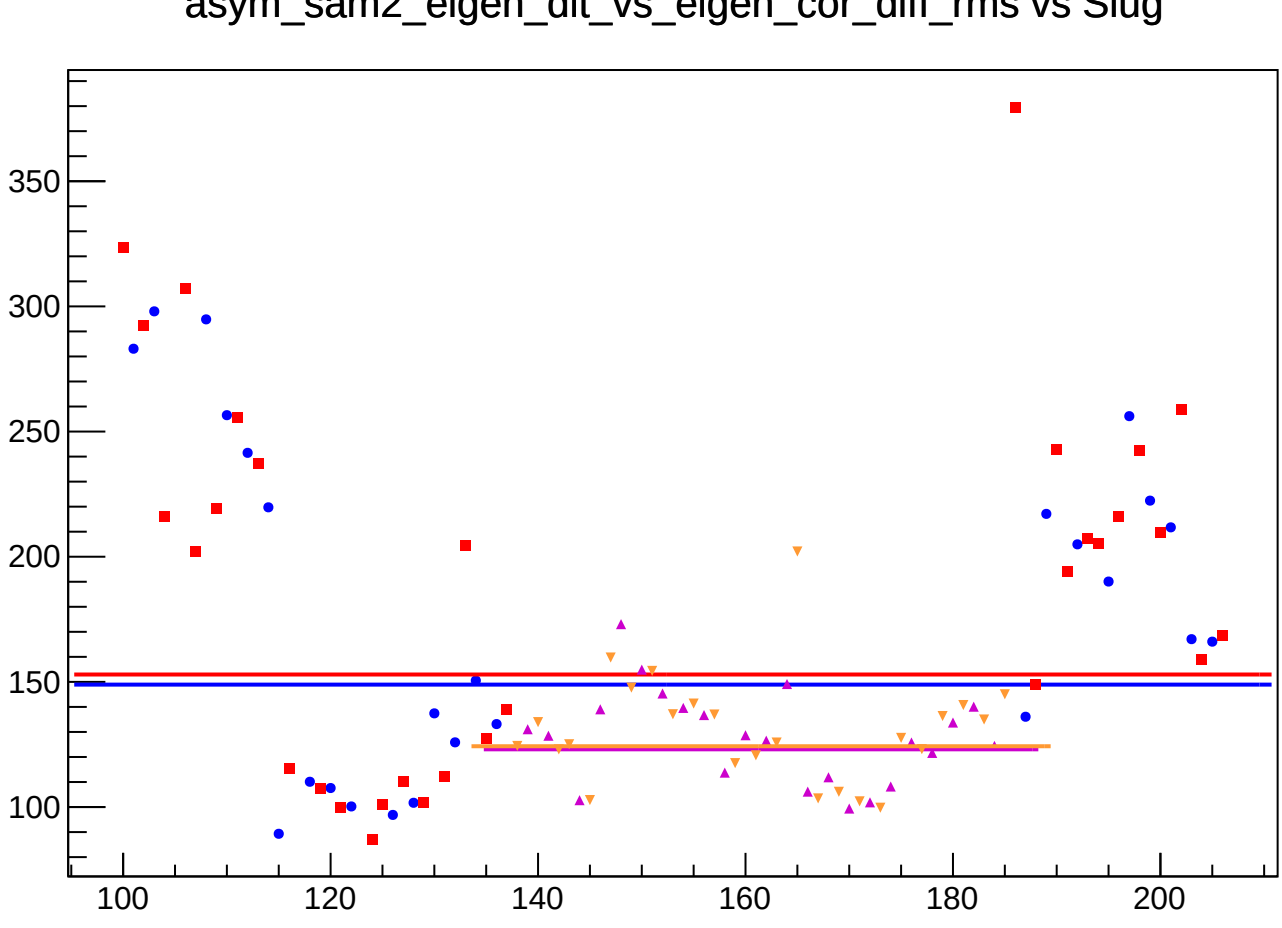
Right Out: -0.009+/-0.041 χ^2/NDF: 26.2/30

Left In: -0.019+/-0.029 χ^2/NDF:20.3/22

+ sign 0.044+/-0.024 χ^2/NDF: 55.1/49

All: 0.014+/-0.017 χ^2/NDF: 104.7/103

- sign -0.015+/-0.024 χ^2/NDF: 46.6/53



Right In: 148.910+/-0.030 χ^2/NDF: 3106100.1/24

Left Out: 124.292+/-0.020 χ^2/NDF:841035.9/24

Right Out: 152.949+/-0.029 χ^2/NDF: 3700240.7/30

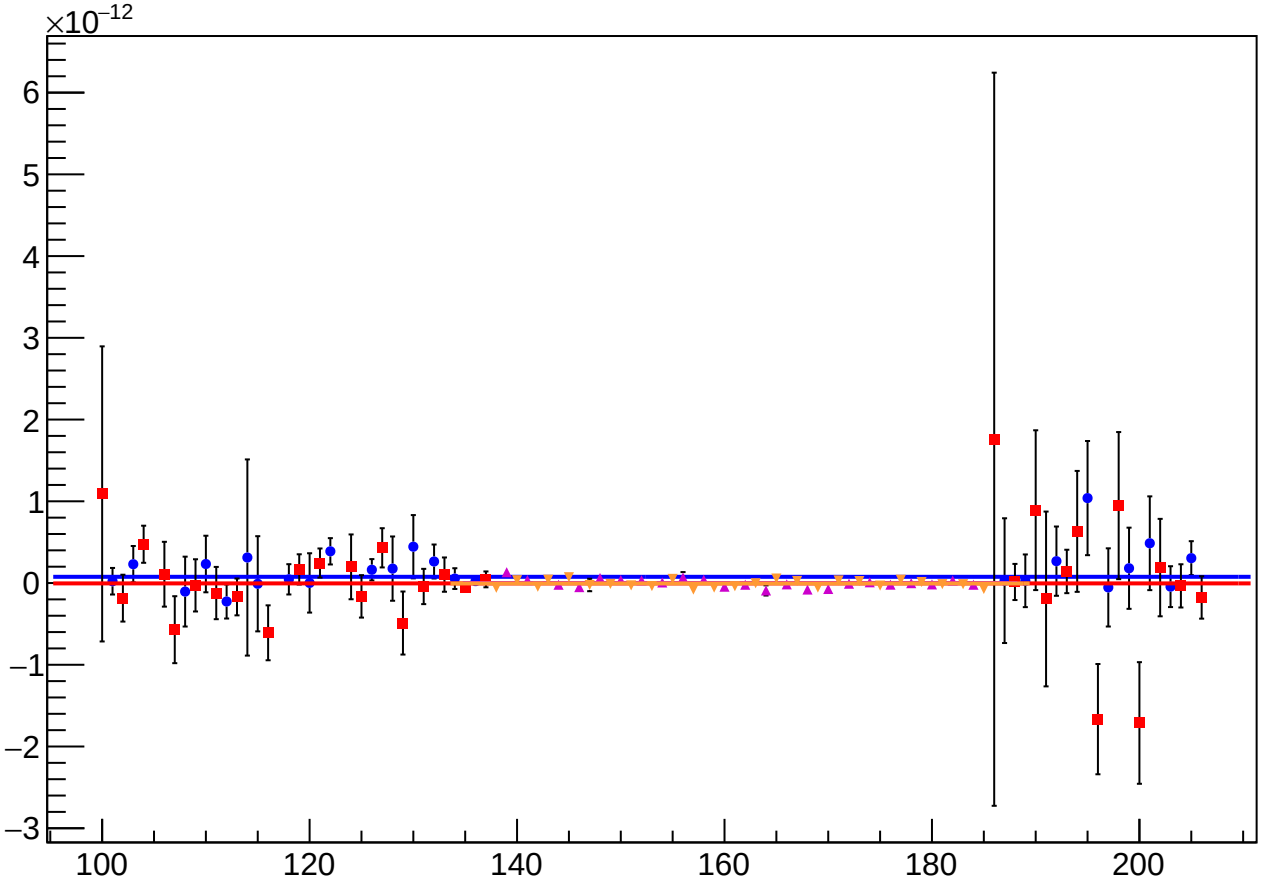
Left In: 123.062+/-0.021 χ^2/NDF:718844.3/22

+ sign 131.918+/-0.017 χ^2/NDF: 4403585.3/49

All: 132.581+/-0.012 χ^2/NDF: 9533168.7/103

- sign 133.243+/-0.017 χ^2/NDF: 5126492.2/53

asym_sam2_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 14.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:24.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 35.8/30

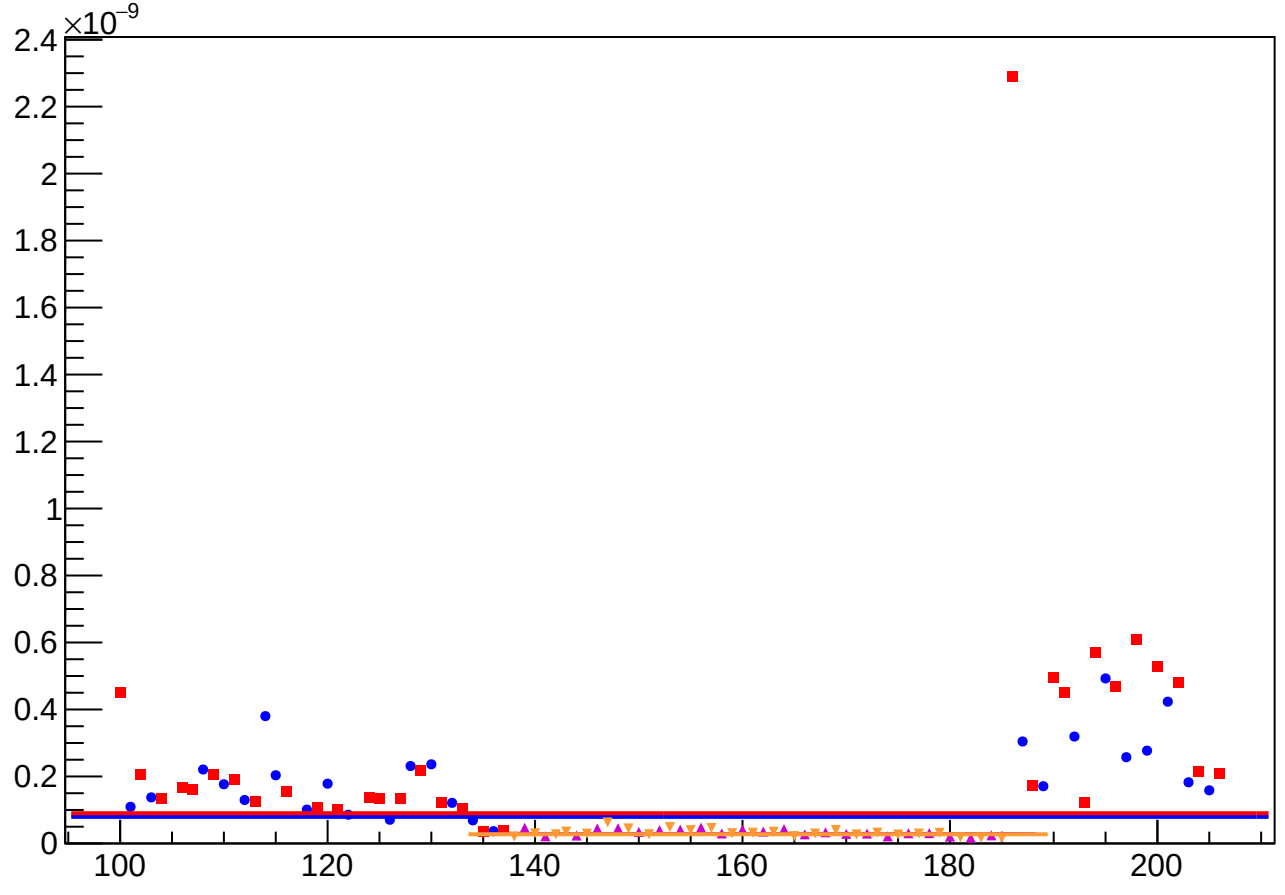
Left In: 0.000+/-0.000 χ^2/NDF:24.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.3/49

All: -0.000+/-0.000 χ^2/NDF: 104.8/103

- sign -0.000+/-0.000 χ^2/NDF: 60.4/53

asym_sam2_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7039966.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:2403081.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9902038.1/30

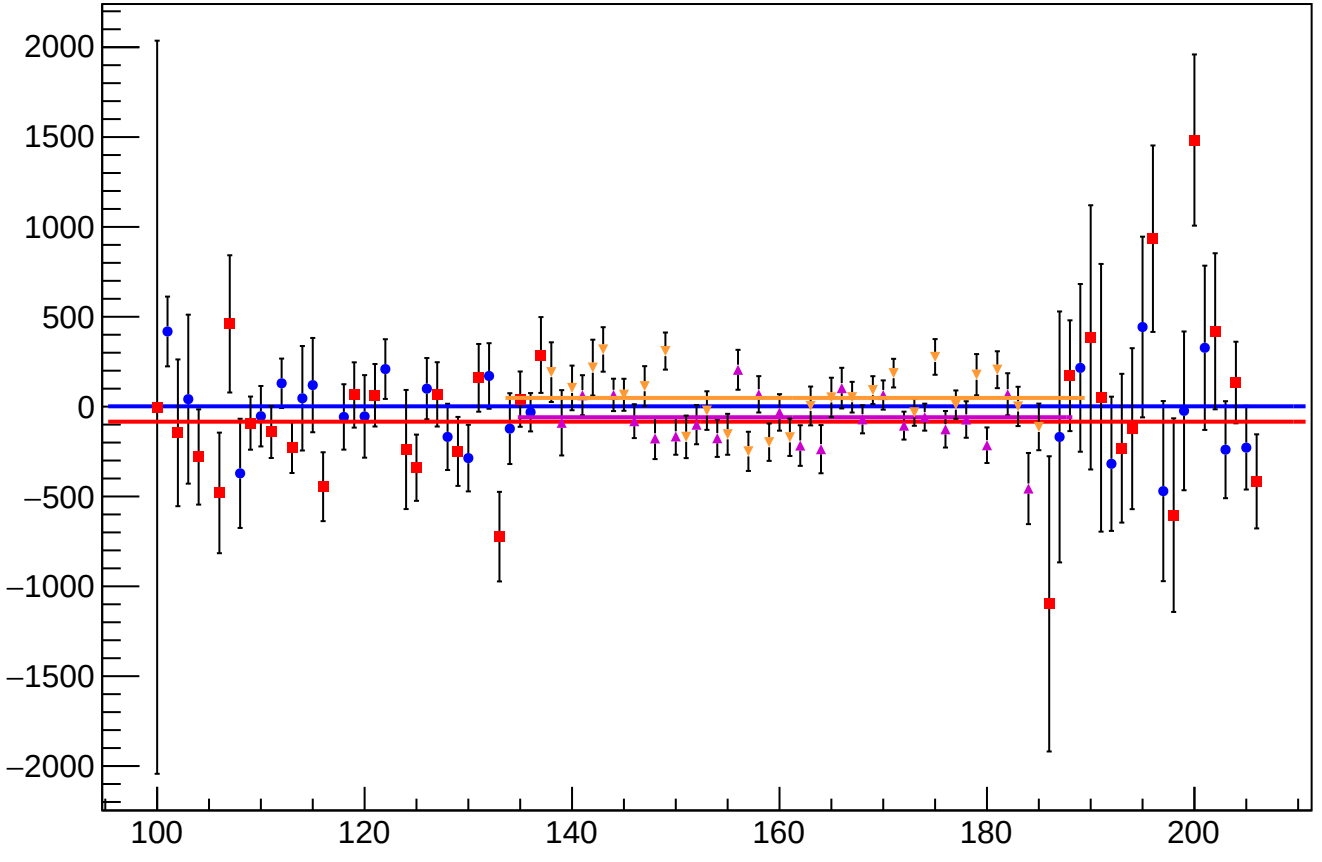
Left In: 0.000+/-0.000 χ^2/NDF:2191521.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 13732428.9/49

All: 0.000+/-0.000 χ^2/NDF: 31128887.1/103

- sign 0.000+/-0.000 χ^2/NDF: 17377770.6/53

reg_asym_sam3_mean vs Slug



Right In: 1.684+/-42.933 χ^2/NDF: 18.9/24

Left Out: 48.392+/-20.423 χ^2/NDF:53.6/24

Right Out: -83.821+/-42.503 χ^2/NDF: 48.1/30

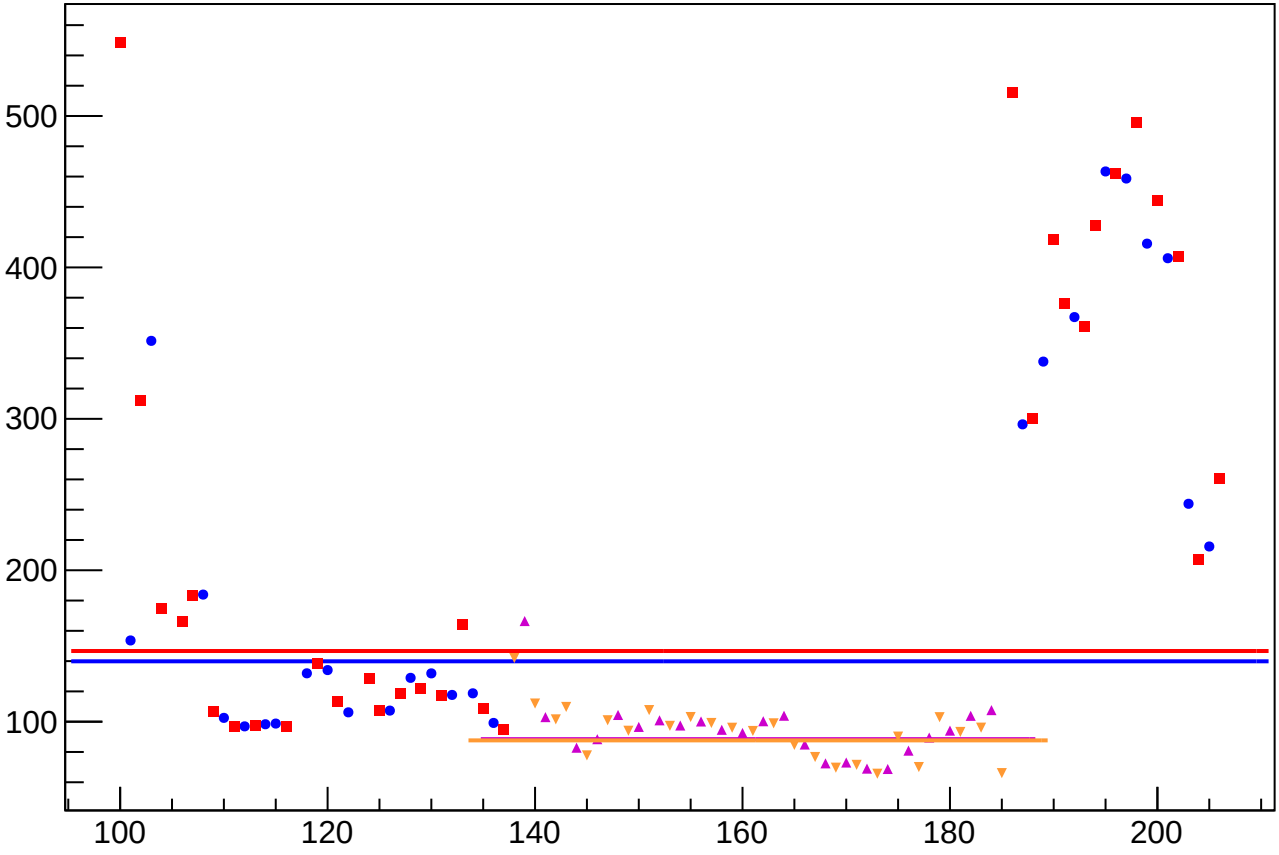
Left In: -59.014+/-21.156 χ^2/NDF:30.6/22

+ sign 39.773+/-18.443 χ^2/NDF: 73.5/49

All: -10.705+/-13.213 χ^2/NDF: 167.8/103

- sign -63.940+/-18.940 χ^2/NDF: 78.9/53

reg_asym_sam3_rms vs Slug



Right In: 139.875+/-0.030 χ^2/NDF: 6162580.1/24

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 146.675+/-0.030 χ^2/NDF: 8052765.8/30

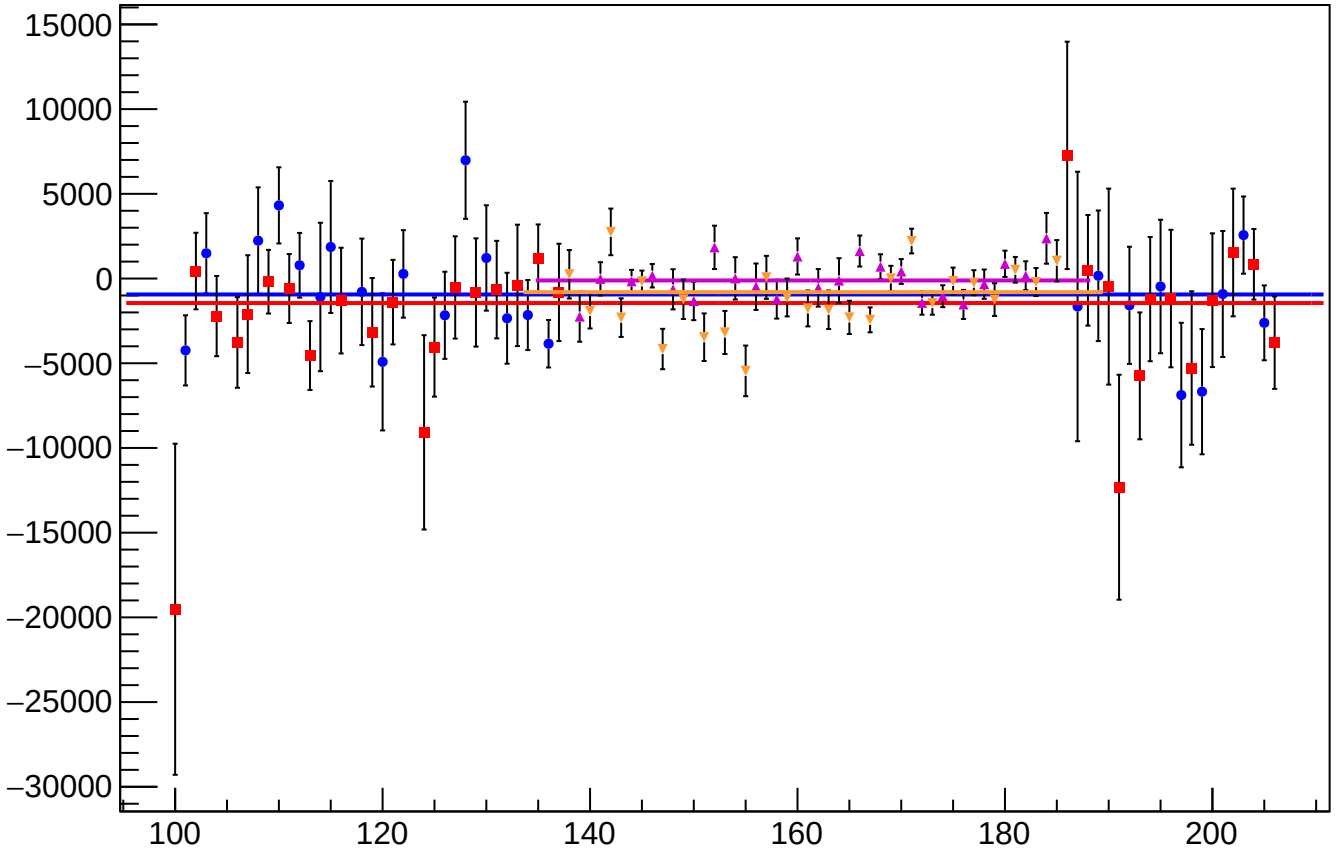
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 97.292+/-0.013 χ^2/NDF: 9788625.8/49

All: 98.628+/-0.009 χ^2/NDF: 21943318.9/103

- sign 100.037+/-0.013 χ^2/NDF: 12133119.3/53

asym_sam3_reg_correction_mean vs Slug



Right In: -940.392+/-537.250 χ^2/NDF: 30.9/24

Left Out: -801.506+/-187.755 χ^2/NDF:71.9/24

Right Out: -1445.544+/-528.283 χ^2/NDF: 22.3/30

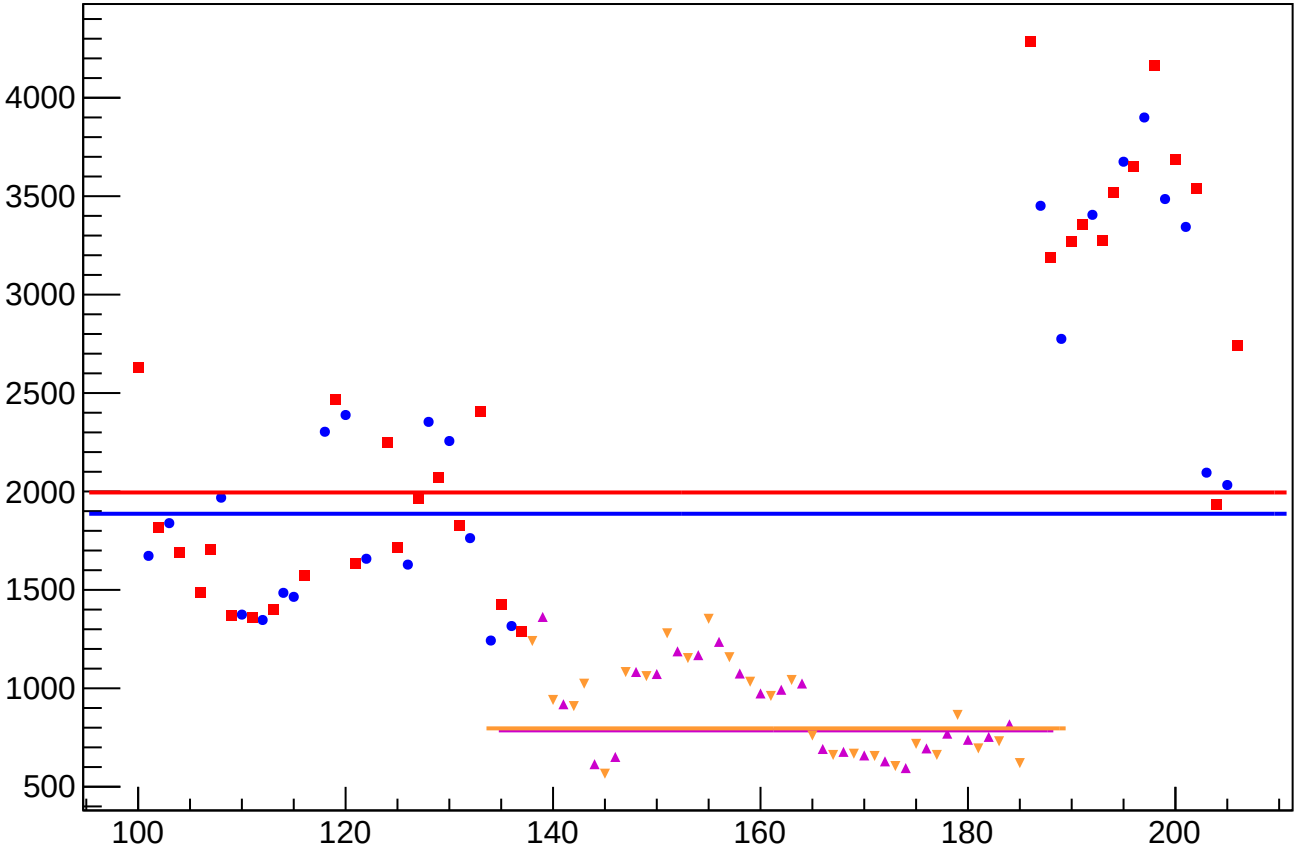
Left In: -112.483+/-190.269 χ^2/NDF:27.1/22

+ sign -816.622+/-177.243 χ^2/NDF: 102.9/49

All: -543.824+/-125.951 χ^2/NDF: 162.6/103

- sign -265.551+/-179.013 χ^2/NDF: 55.0/53

asym_sam3_reg_correction_rms vs Slug



Right In: 1886.750+/-0.380 χ^2/NDF: 3156869.9/24

Left Out: 796.524+/-0.133 χ^2/NDF:2417872.0/24

Right Out: 1994.886+/-0.374 χ^2/NDF: 4099868.6/30

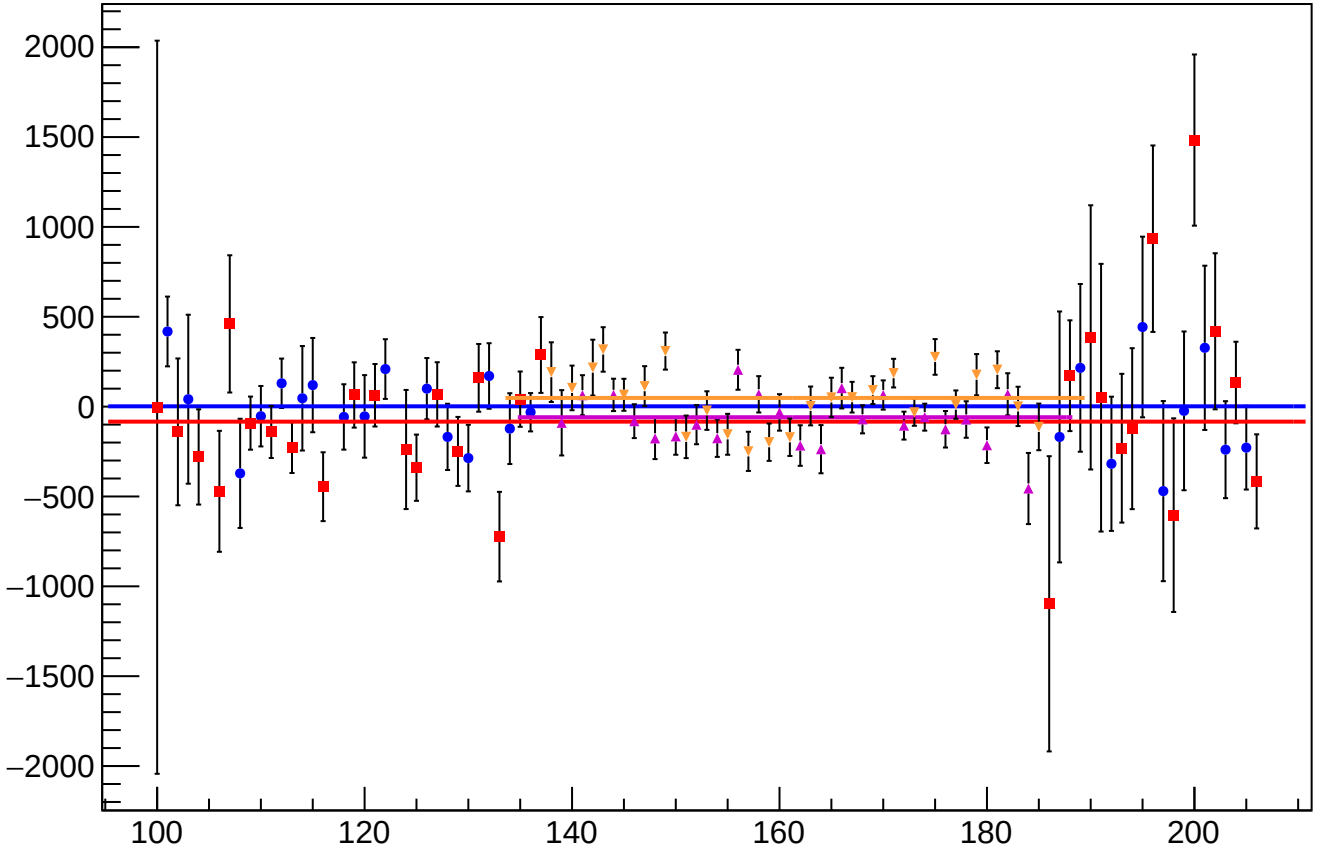
Left In: 786.336+/-0.135 χ^2/NDF:2156583.9/22

+ sign 915.183+/-0.125 χ^2/NDF: 12914244.4/49

All: 920.096+/-0.089 χ^2/NDF: 28439039.1/10

- sign 925.107+/-0.127 χ^2/NDF: 15521691.1/53

cor_asym_sam3_mean vs Slug



Right In: 1.669+/-42.933 χ^2/NDF: 18.9/24

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

Right Out: -83.576+/-42.505 χ^2/NDF: 48.0/30

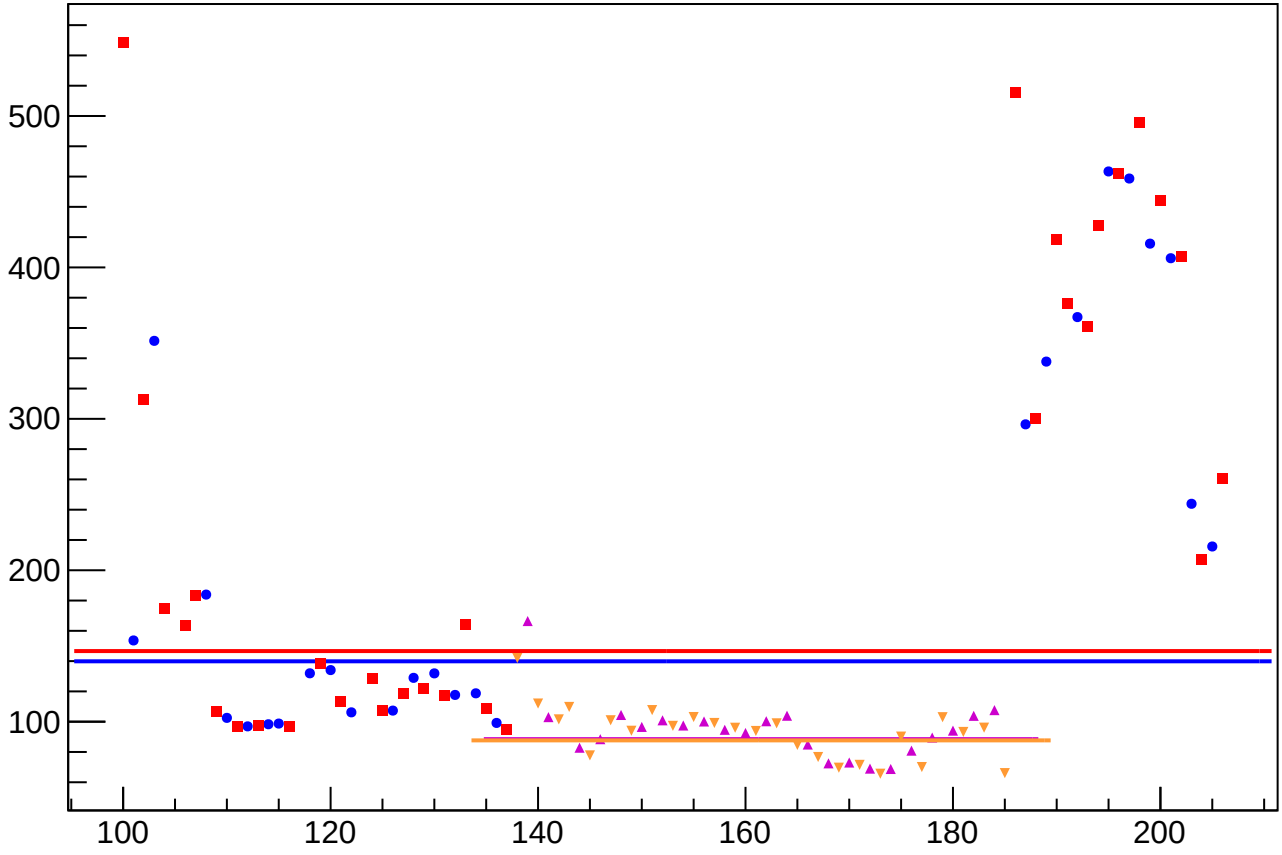
Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 39.776+/-18.443 χ^2/NDF: 73.5/49

All: -10.680+/-13.213 χ^2/NDF: 167.7/103

- sign -63.893+/-18.940 χ^2/NDF: 78.8/53

cor_asym_sam3_rms vs Slug



Right In: 139.875+/-0.030 χ^2/NDF: 6162582.5/24

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

Right Out: 146.634+/-0.030 χ^2/NDF: 8051292.9/30

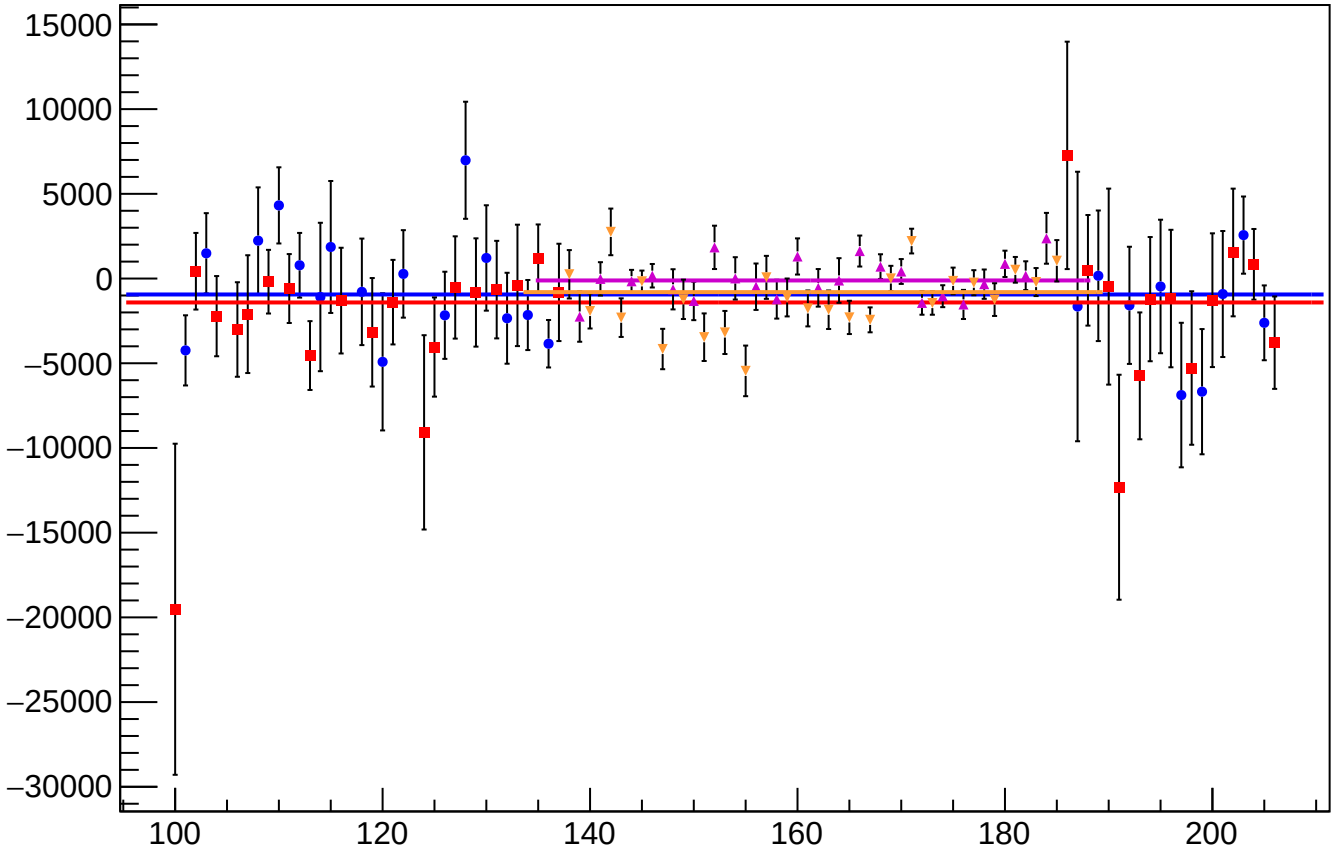
Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 97.292+/-0.013 χ^2/NDF: 9788627.4/49

All: 98.624+/-0.009 χ^2/NDF: 21937165.1/103

- sign 100.028+/-0.013 χ^2/NDF: 12127109.2/53

asym_sam3_cor_correction_mean vs Slug



Right In: -940.379+/-537.253 χ^2/NDF: 30.9/24

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

Right Out: -1411.678+/-529.143 χ^2/NDF: 21.8/30

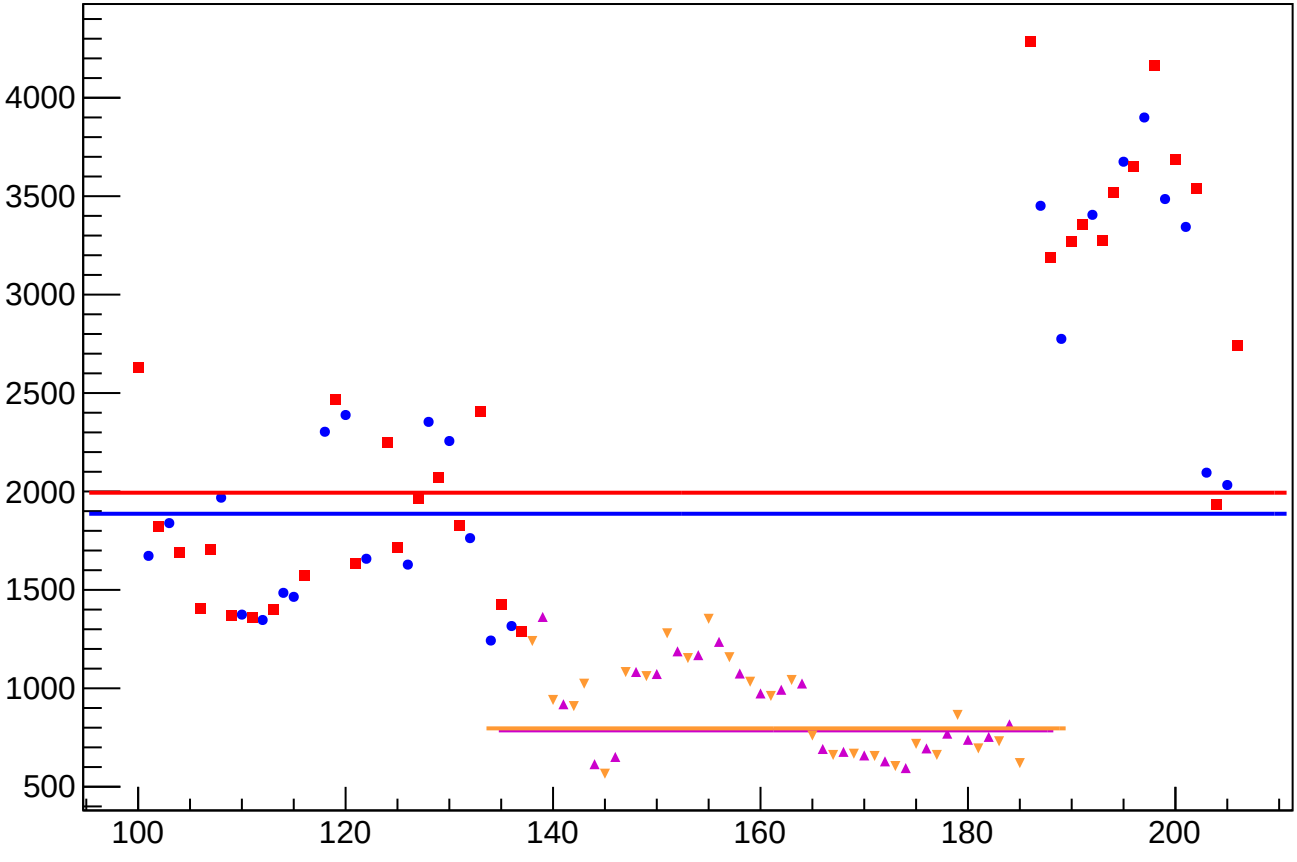
Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -816.614+/-177.243 χ^2/NDF: 102.9/49

All: -541.734+/-125.963 χ^2/NDF: 161.9/103

- sign -261.235+/-179.046 χ^2/NDF: 54.2/53

asym_sam3_cor_correction_rms vs Slug



Right In: 1886.760+/-0.380 χ^2/NDF: 3156867.3/24

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1993.676+/-0.374 χ^2/NDF: 4116633.5/30

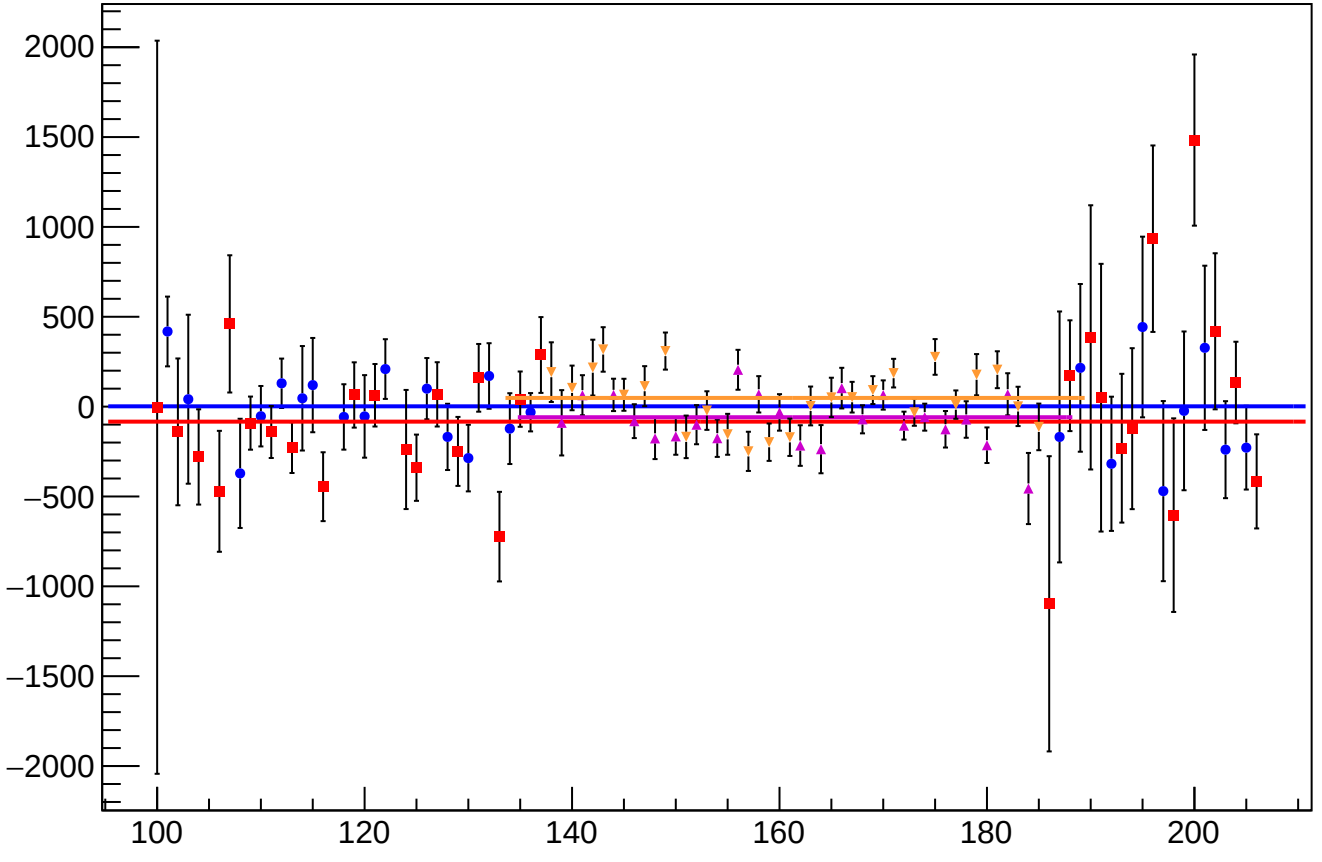
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 915.183+/-0.125 χ^2/NDF: 12914304.8/49

All: 919.829+/-0.089 χ^2/NDF: 28410382.4/10

- sign 924.569+/-0.127 χ^2/NDF: 15493301.7/53

eigen_cor_asym_sam3_mean vs Slug



Right In: 1.669+/-42.933 χ^2/NDF: 18.9/24

Left Out: 48.399+/-20.423 χ^2/NDF:53.6/24

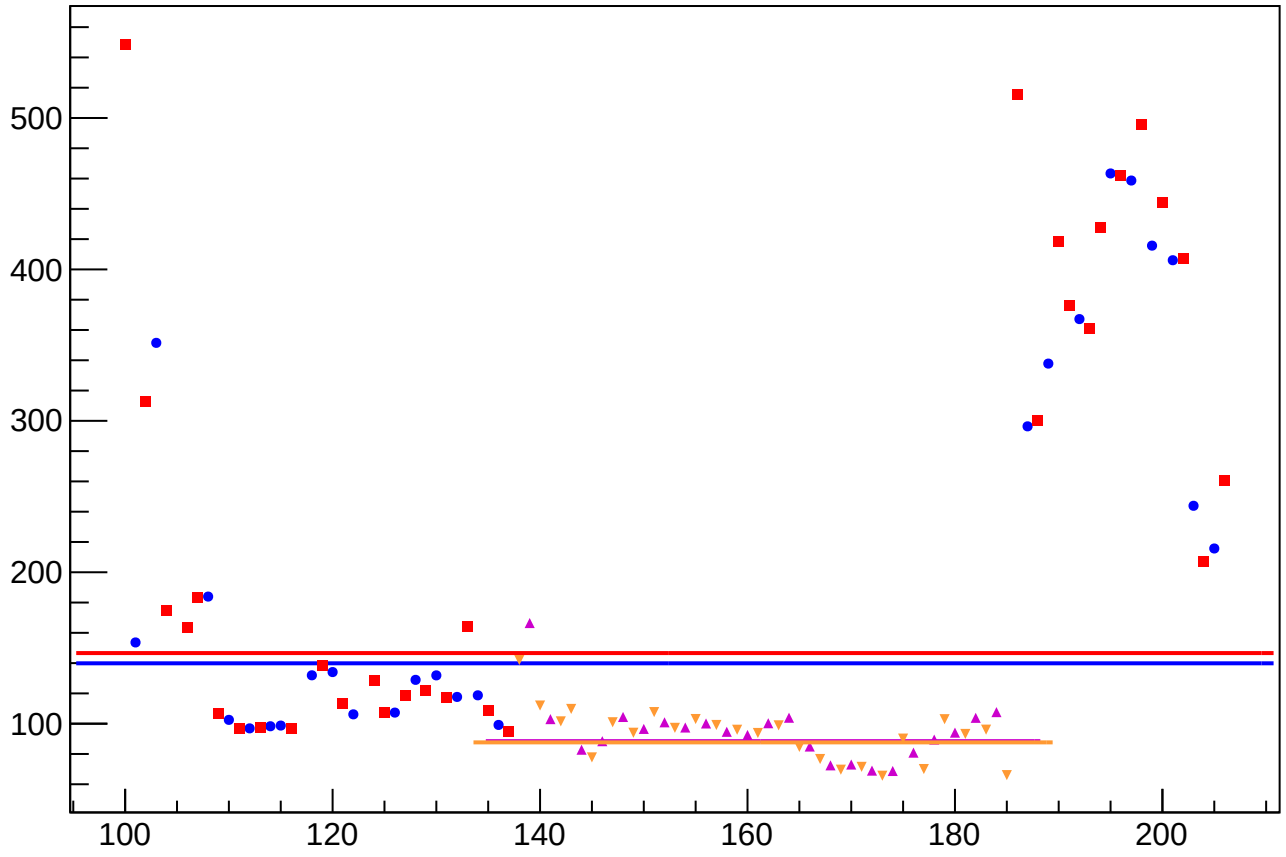
Right Out: -83.576+/-42.505 χ^2/NDF: 48.0/30

Left In: -59.016+/-21.156 χ^2/NDF:30.6/22

+ sign 39.776+/-18.443 χ^2/NDF: 73.5/49

All: -10.680+/-13.213 χ^2/NDF: 167.7/103

- sign -63.893+/-18.940 χ^2/NDF: 78.8/53



Right In: 139.875+/-0.030 χ^2/NDF: 6162582.5/24

Left Out: 87.656+/-0.014 χ^2/NDF:1213284.3/24

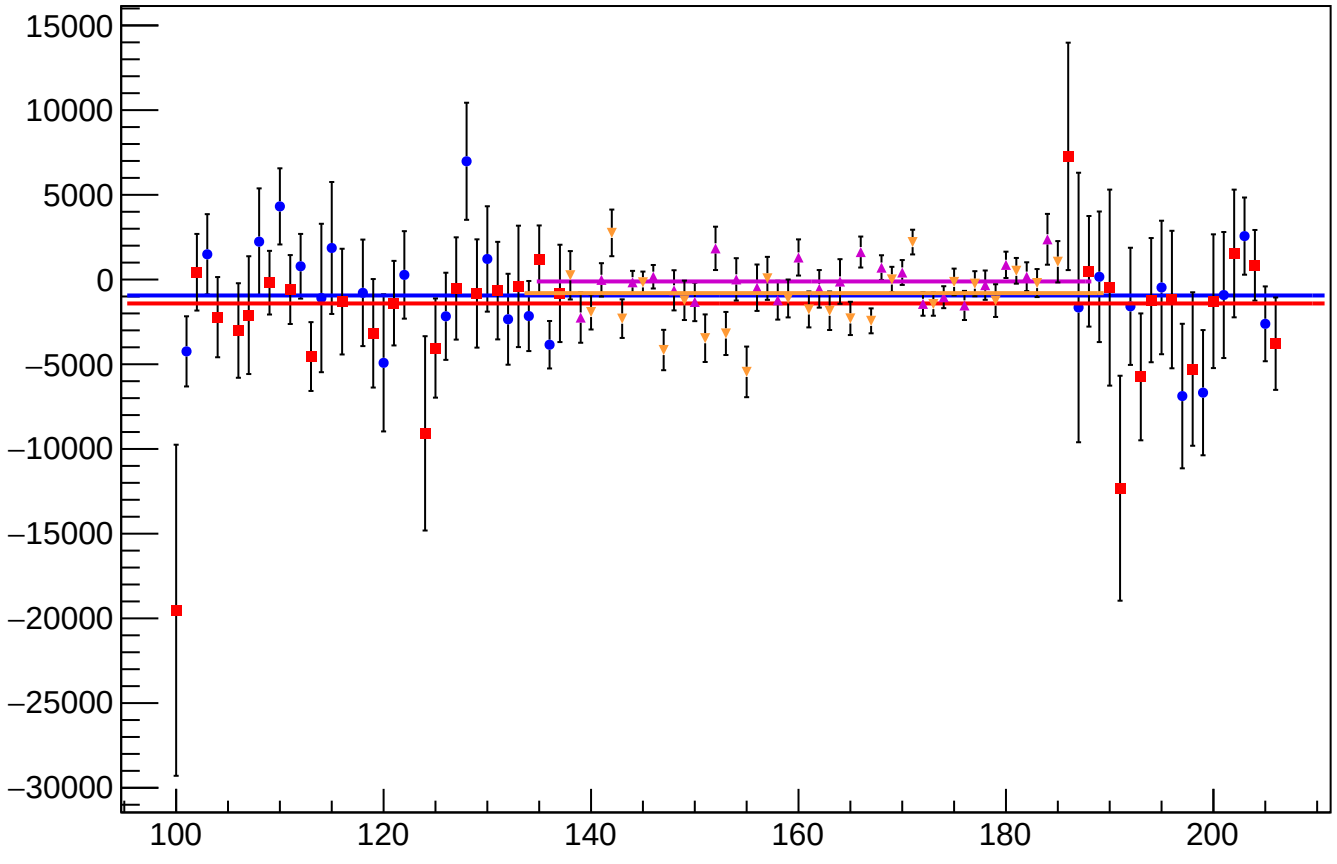
Right Out: 146.634+/-0.030 χ^2/NDF: 8051292.9/30

Left In: 88.482+/-0.015 χ^2/NDF:1075689.1/22

+ sign 97.292+/-0.013 χ^2/NDF: 9788627.4/49

All: 98.624+/-0.009 χ^2/NDF: 21937165.1/103

- sign 100.028+/-0.013 χ^2/NDF: 12127109.2/53



Right In: -940.379+/-537.253 χ^2/NDF: 30.9/24

Left Out: -801.499+/-187.755 χ^2/NDF:71.9/24

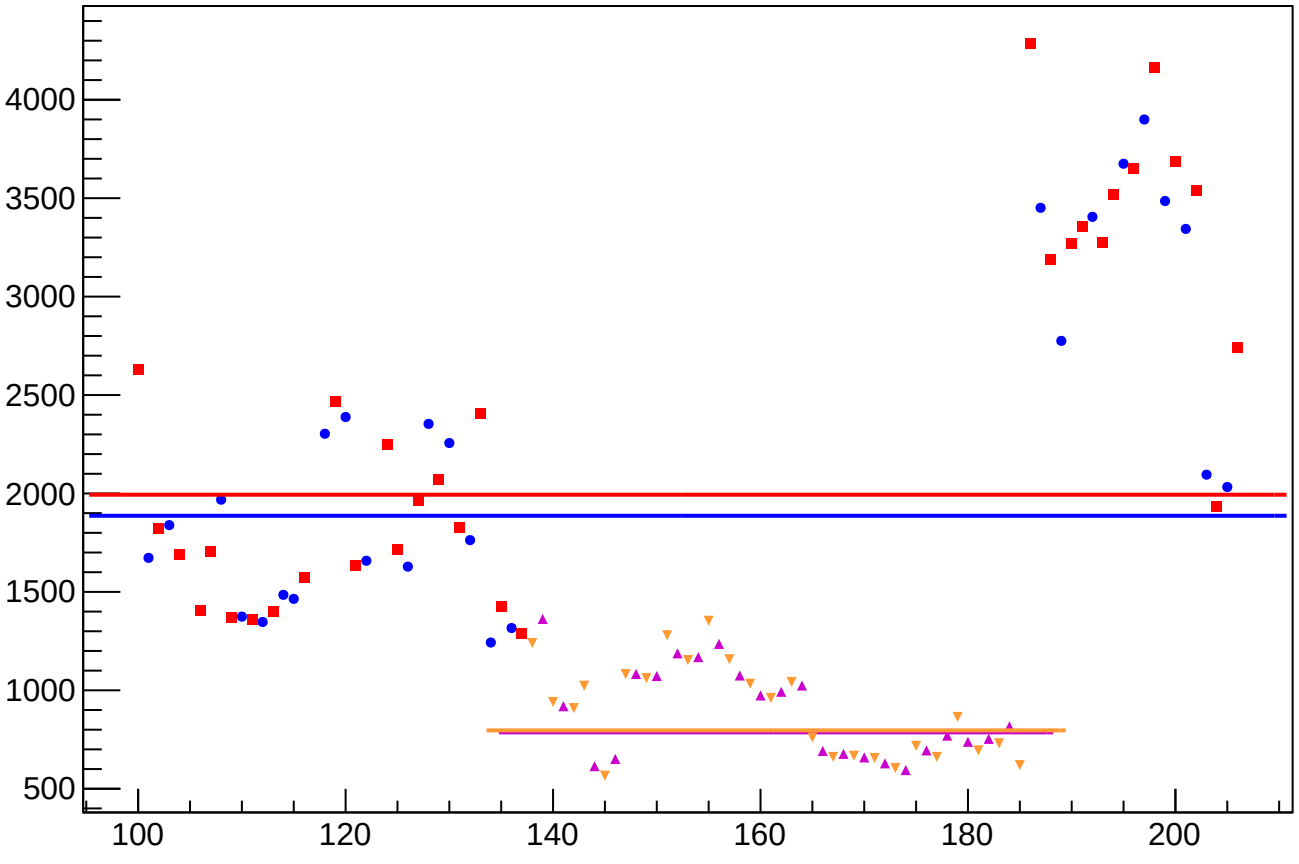
Right Out: -1411.678+/-529.143 χ^2/NDF: 21.8/30

Left In: -112.485+/-190.269 χ^2/NDF:27.1/22

+ sign -816.614+/-177.243 χ^2/NDF: 102.9/49

All: -541.734+/-125.963 χ^2/NDF: 161.9/103

- sign -261.235+/-179.046 χ^2/NDF: 54.2/53



Right In: 1886.760+/-0.380 χ^2/NDF: 3156867.3/24

Left Out: 796.523+/-0.133 χ^2/NDF:2417869.7/24

Right Out: 1993.676+/-0.374 χ^2/NDF: 4116633.5/30

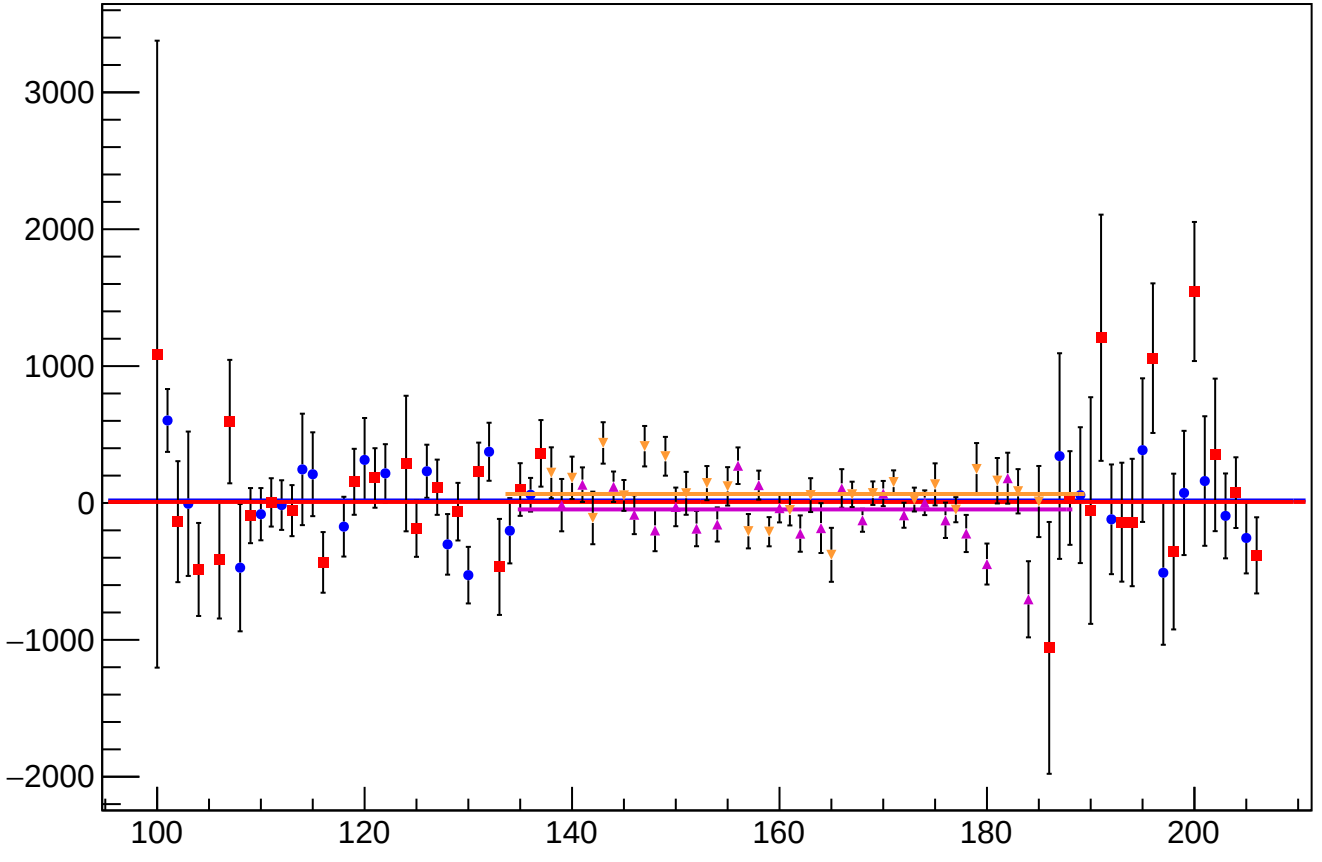
Left In: 786.336+/-0.135 χ^2/NDF:2156582.1/22

+ sign 915.183+/-0.125 χ^2/NDF: 12914304.8/49

All: 919.829+/-0.089 χ^2/NDF: 28410382.4/10

- sign 924.569+/-0.127 χ^2/NDF: 15493301.7/53

dit_asym_sam3_mean vs Slug



Right In: 18.250+/-50.923 χ^2/NDF: 28.4/24

Left Out: 65.702+/-25.059 χ^2/NDF:40.0/24

Right Out: 7.539+/-51.189 χ^2/NDF: 36.4/30

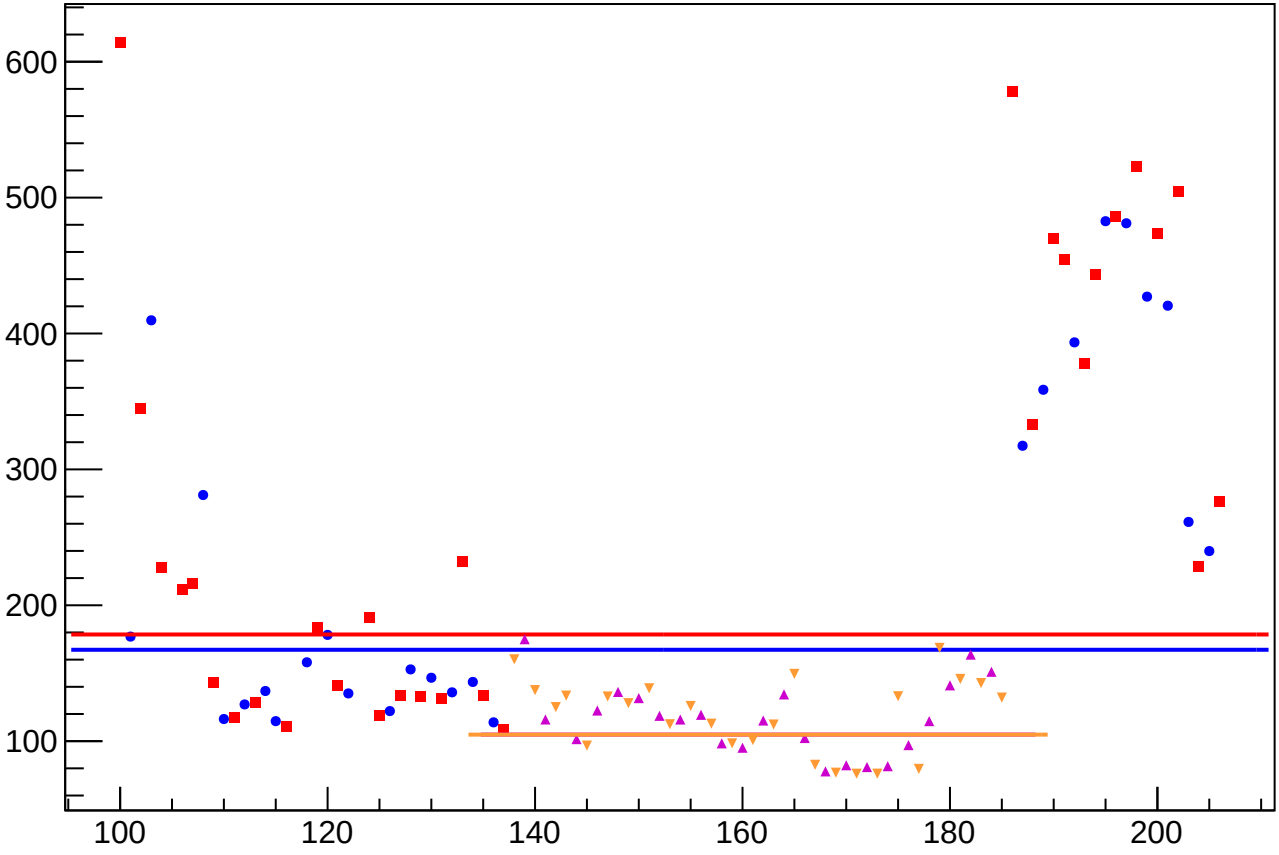
Left In: -47.039+/-25.696 χ^2/NDF:38.6/22

+ sign 56.451+/-22.484 χ^2/NDF: 69.2/49

All: 11.177+/-16.066 χ^2/NDF: 153.4/103

- sign -36.054+/-22.965 χ^2/NDF: 75.9/53

dit_asym_sam3_rms vs Slug



Right In: 167.258+/-0.036 χ^2/NDF: 5504018.5/24

Left Out: 104.810+/-0.018 χ^2/NDF:2242795.3/24

Right Out: 178.508+/-0.036 χ^2/NDF: 7234549.9/30

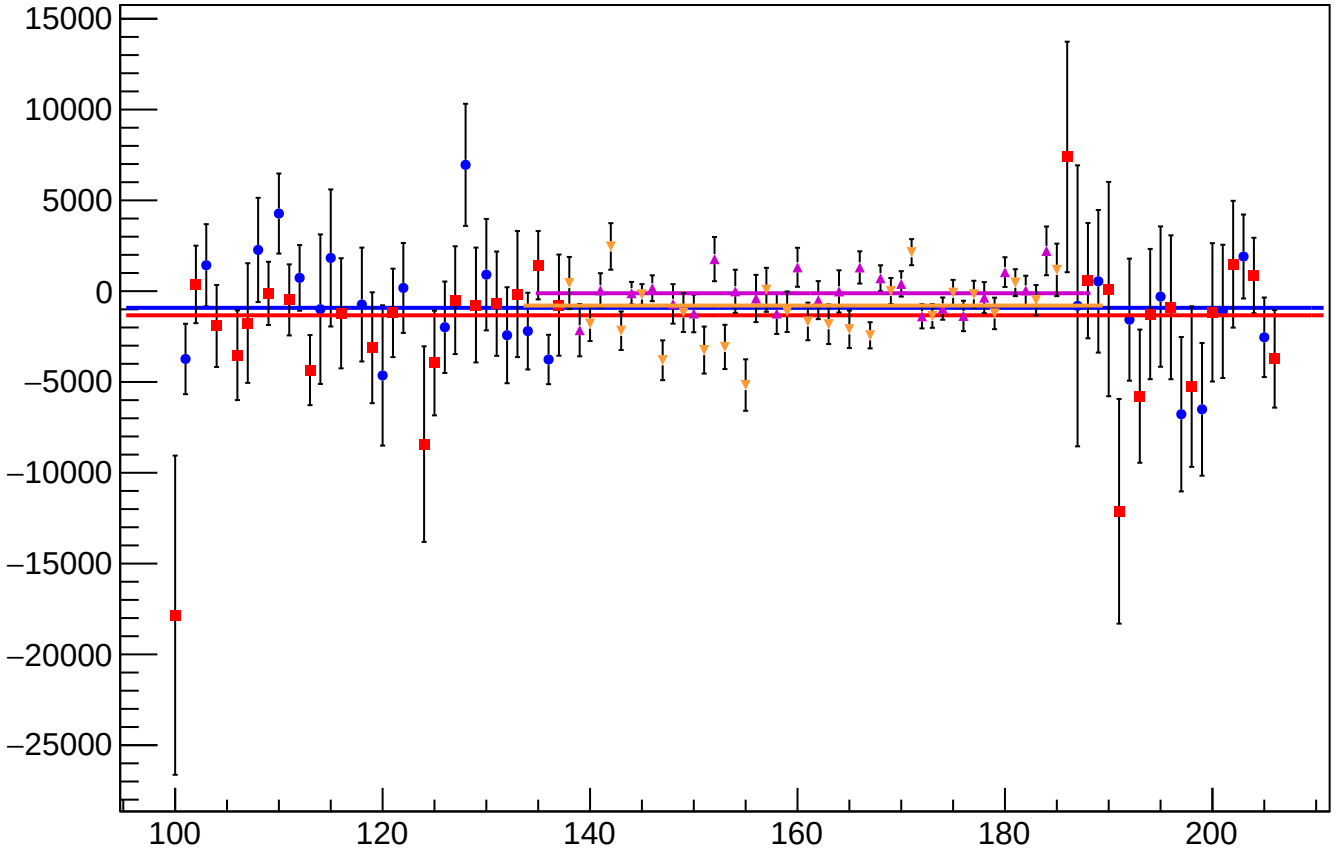
Left In: 104.835+/-0.018 χ^2/NDF:1614476.5/22

+ sign 116.984+/-0.016 χ^2/NDF: 10168177.9/49

All: 118.295+/-0.011 χ^2/NDF: 22340046.5/10

- sign 119.663+/-0.016 χ^2/NDF: 12157979.2/53

asym_sam3_dit_correction_mean vs Slug



Right In: -917.378+/-523.125 χ^2/NDF: 30.0/24

Left Out: -793.070+/-179.897 χ^2/NDF:70.0/24

Right Out: -1328.929+/-507.587 χ^2/NDF: 23.7/30

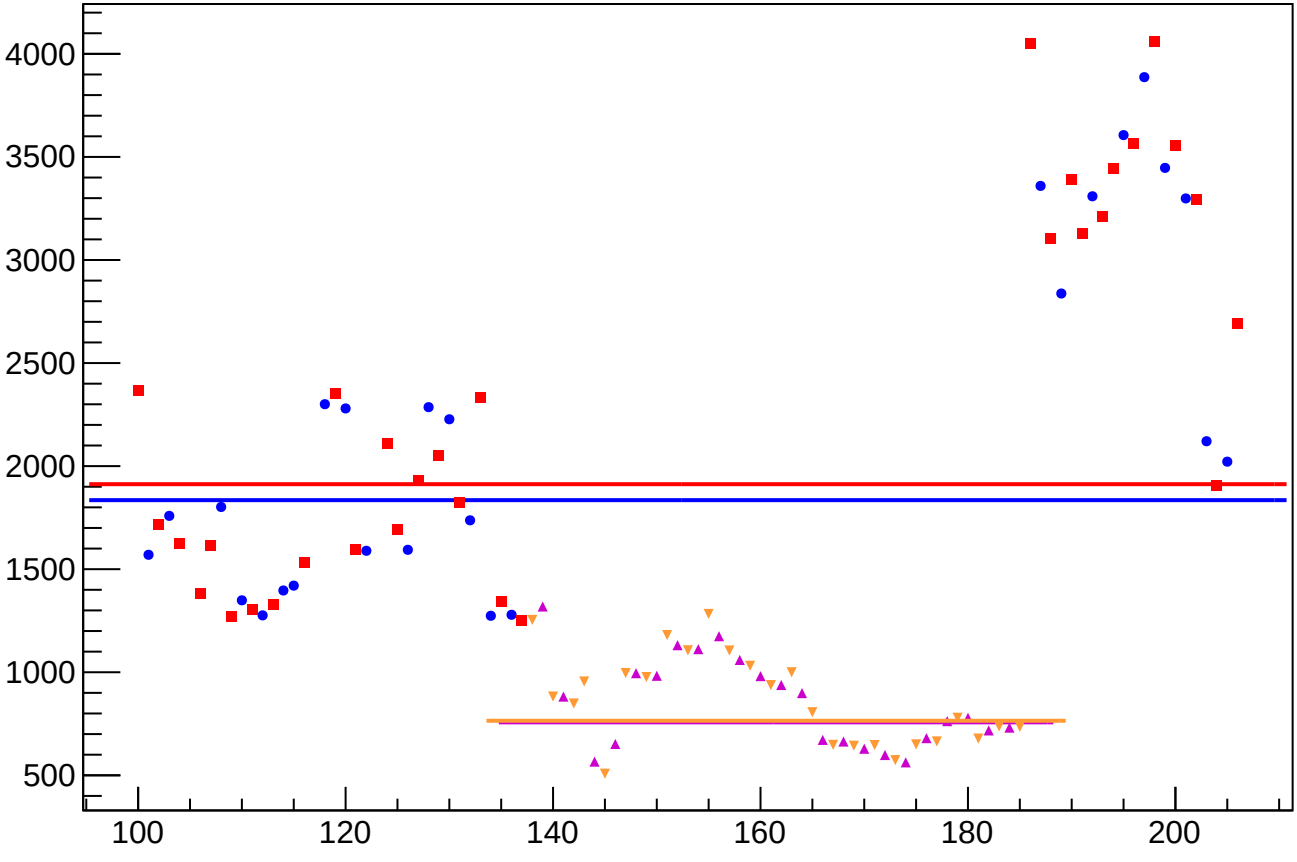
Left In: -113.680+/-183.126 χ^2/NDF:26.3/22

+ sign -806.216+/-170.119 χ^2/NDF: 100.1/49

All: -533.381+/-121.041 χ^2/NDF: 160.4/103

- sign -253.639+/-172.258 χ^2/NDF: 55.1/53

asym_sam3_dit_correction_rms vs Slug



Right In: 1834.897+/-0.370 χ^2/NDF: 3262753.9/24

Left Out: 764.734+/-0.127 χ^2/NDF:2425556.5/24

Right Out: 1912.413+/-0.359 χ^2/NDF: 4265911.7/30

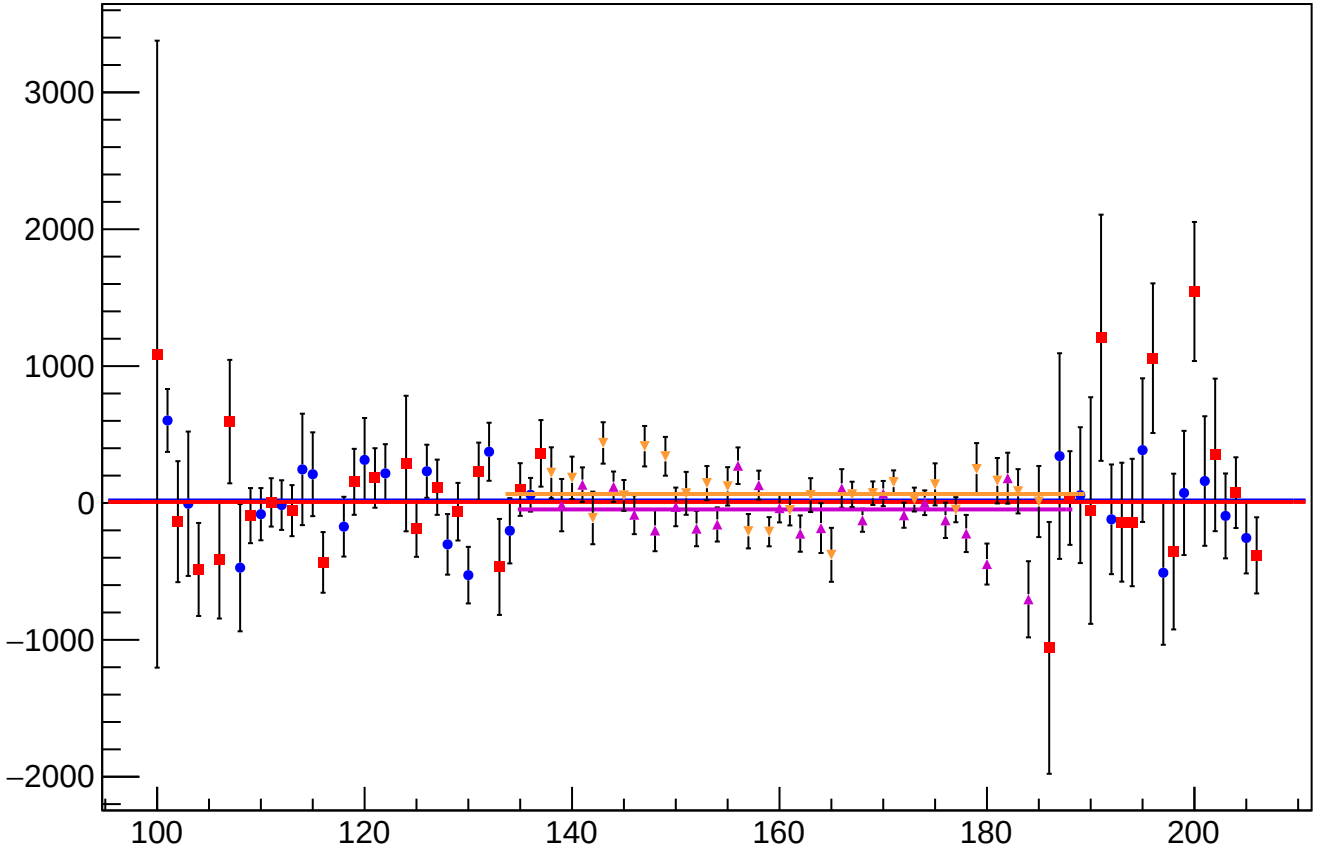
Left In: 756.927+/-0.129 χ^2/NDF:2115280.1/22

+ sign 877.907+/-0.120 χ^2/NDF: 13173038.4/49

All: 883.879+/-0.086 χ^2/NDF: 28729828.3/10

- sign 890.003+/-0.122 χ^2/NDF: 15551797.2/53

eigen_dit_asym_sam3_mean vs Slug



Right In: 18.249+/-50.923 χ^2/NDF: 28.4/24

Left Out: 65.703+/-25.059 χ^2/NDF:40.0/24

Right Out: 7.542+/-51.189 χ^2/NDF: 36.4/30

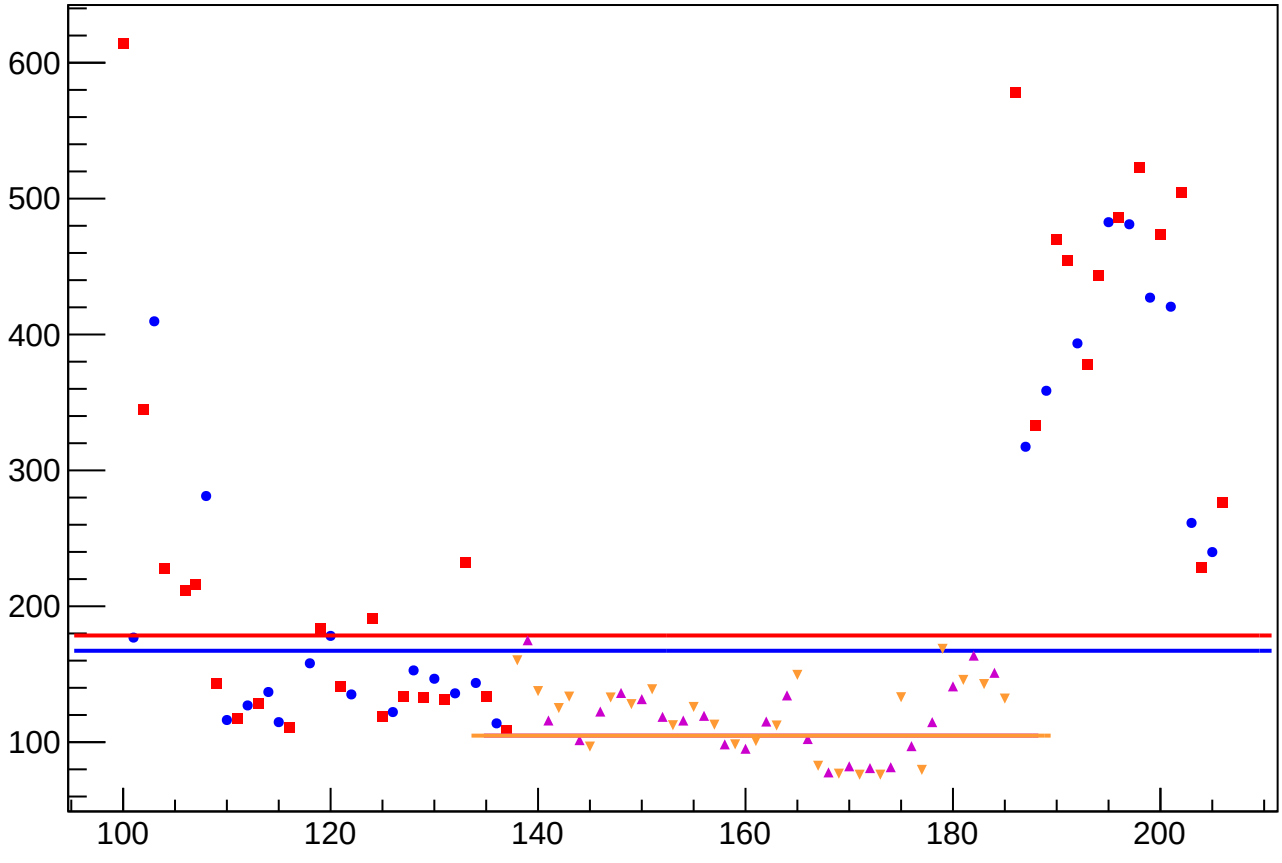
Left In: -47.038+/-25.696 χ^2/NDF:38.6/22

+ sign 56.451+/-22.484 χ^2/NDF: 69.2/49

All: 11.178+/-16.066 χ^2/NDF: 153.4/103

- sign -36.052+/-22.965 χ^2/NDF: 75.9/53

eigen_dit_asym_sam3_rms vs Slug



Right In: 167.258+/-0.036 χ^2/NDF: 5504012.0/24

Left Out: 104.810+/-0.018 χ^2/NDF:2242815.0/24

Right Out: 178.508+/-0.036 χ^2/NDF: 7234537.3/30

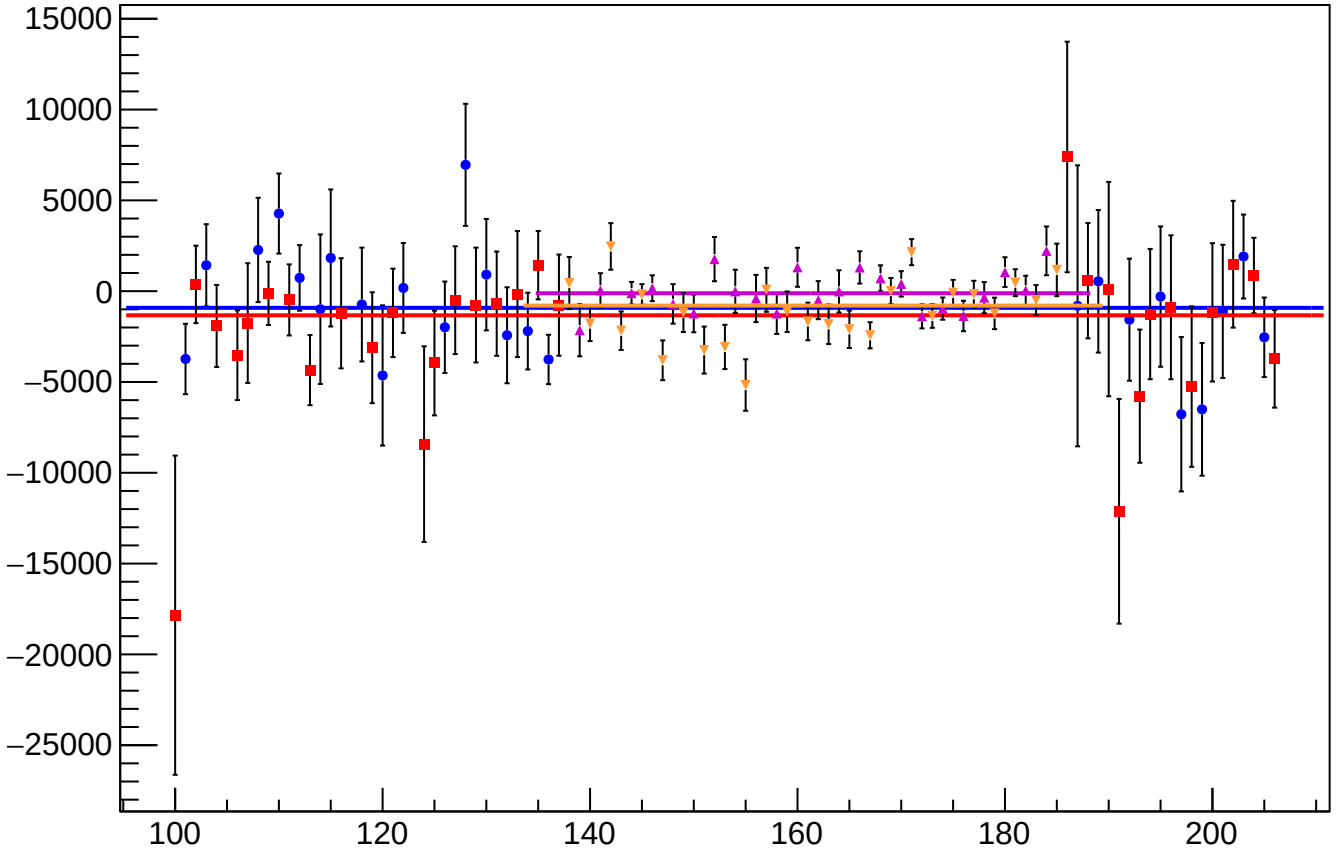
Left In: 104.835+/-0.018 χ^2/NDF:1614484.2/22

+ sign 116.985+/-0.016 χ^2/NDF: 10168181.7/49

All: 118.296+/-0.011 χ^2/NDF: 22340052.3/10

- sign 119.663+/-0.016 χ^2/NDF: 12157981.3/53

asym_sam3_eigen_dit_correction_mean vs Slug



Right In: -917.376+/-523.125 χ^2/NDF: 30.0/24

Left Out: -793.071+/-179.896 χ^2/NDF:70.0/24

Right Out: -1328.929+/-507.587 χ^2/NDF: 23.7/30

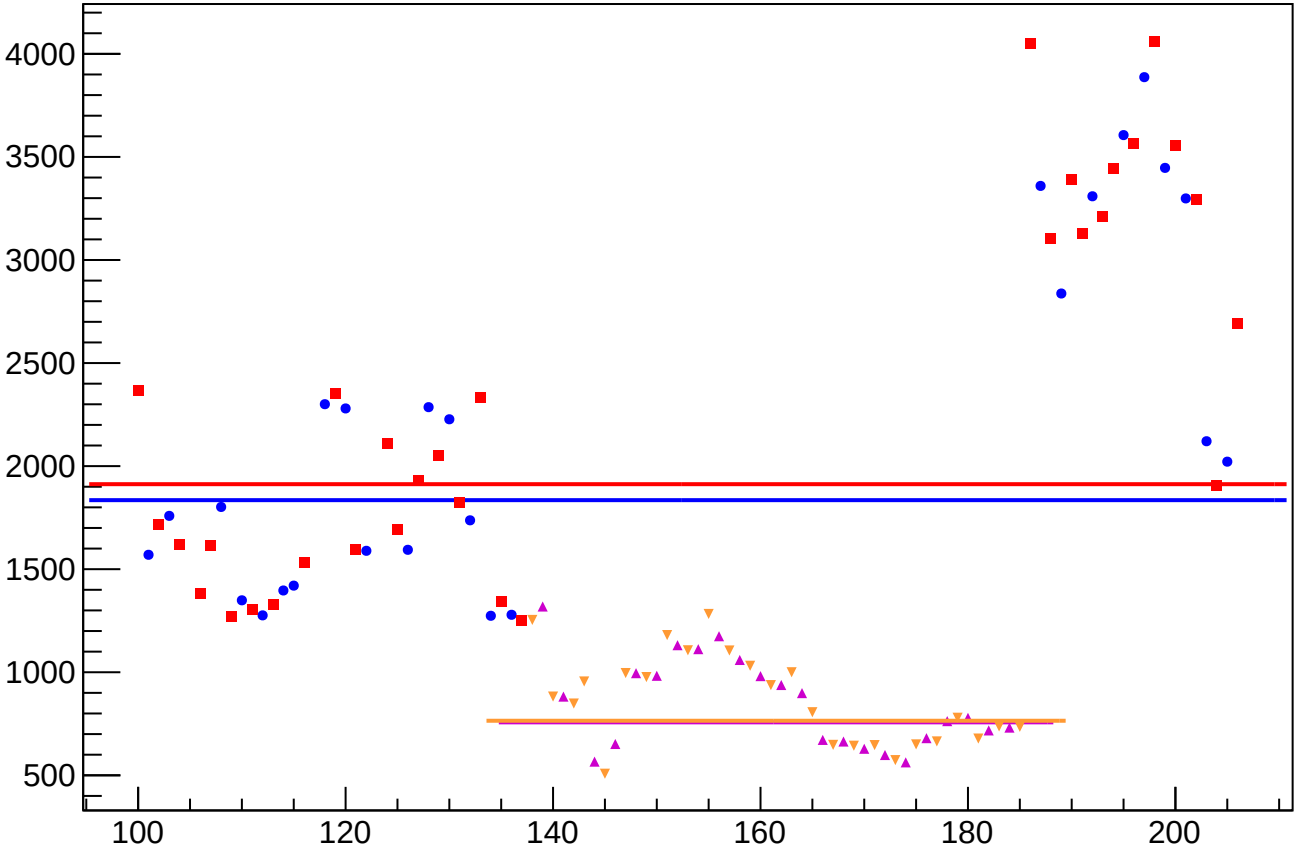
Left In: -113.680+/-183.125 χ^2/NDF:26.3/22

+ sign -806.217+/-170.118 χ^2/NDF: 100.1/49

All: -533.381+/-121.041 χ^2/NDF: 160.4/103

- sign -253.639+/-172.258 χ^2/NDF: 55.1/53

asym_sam3_eigen_dit_correction_rms vs Slug



Right In: 1834.895+/-0.370 χ^2/NDF: 3262753.3/24

Left Out: 764.734+/-0.127 χ^2/NDF:2425549.9/24

Right Out: 1912.410+/-0.359 χ^2/NDF: 4265911.3/30

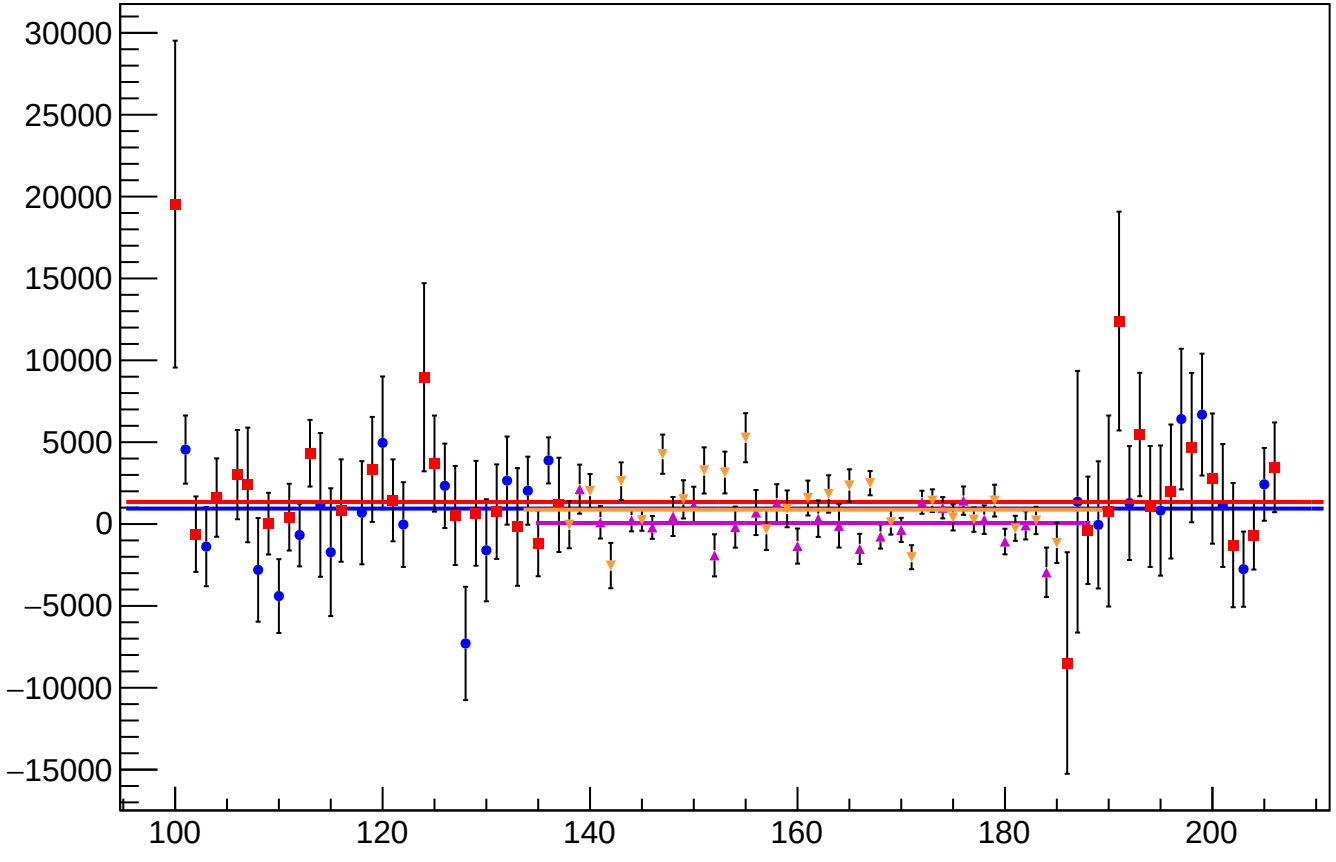
Left In: 756.926+/-0.129 χ^2/NDF:2115275.0/22

+ sign 877.906+/-0.120 χ^2/NDF: 13173030.0/49

All: 883.879+/-0.086 χ^2/NDF: 28729808.4/10

- sign 890.002+/-0.122 χ^2/NDF: 15551785.8/53

asym_sam3_mean vs Slug



Right In: 943.638+/-540.001 χ^2/NDF: 32.0/24

Left Out: 876.482+/-188.998 χ^2/NDF:67.3/24

Right Out: 1348.751+/-531.306 χ^2/NDF: 21.2/30

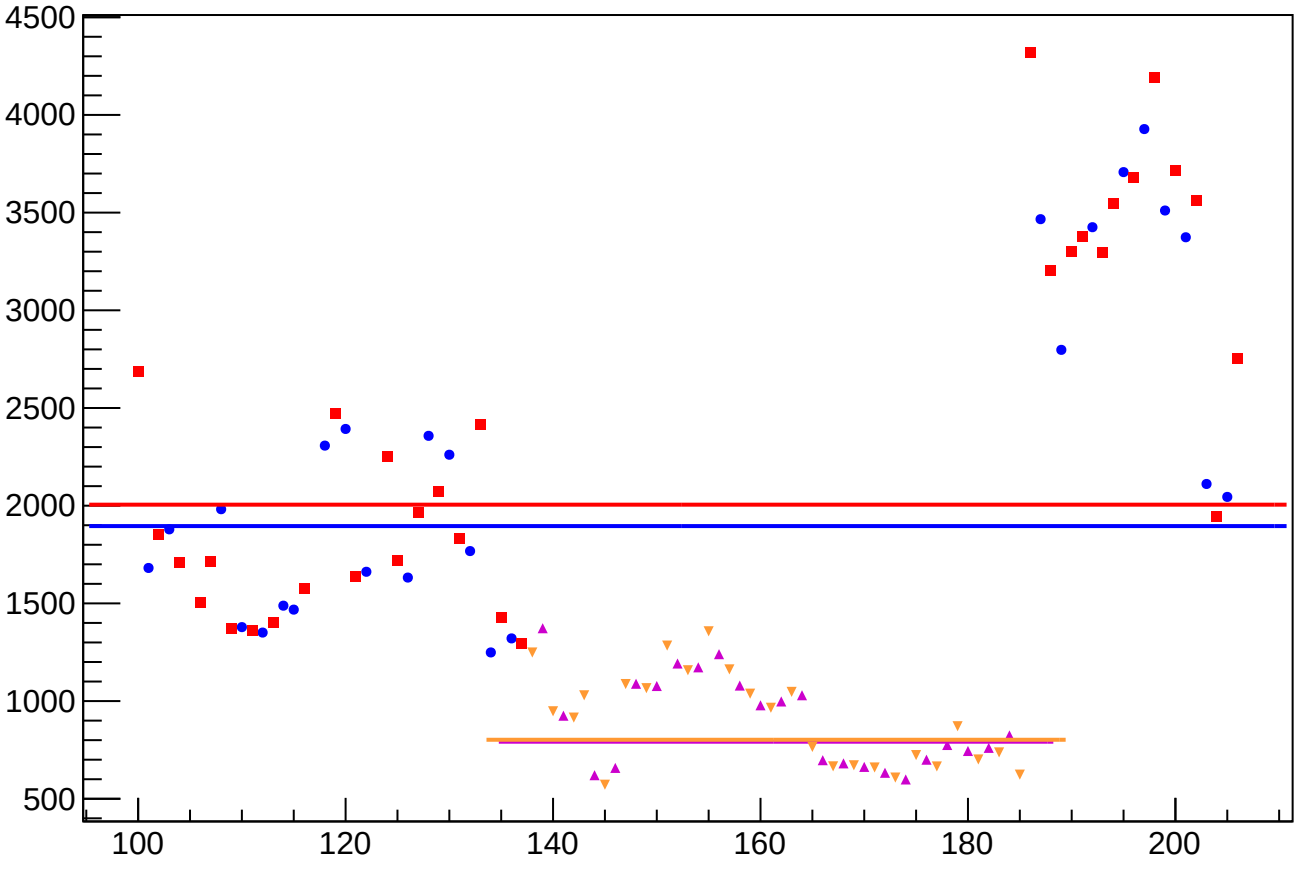
Left In: 62.754+/-191.596 χ^2/NDF:27.1/22

+ sign 883.811+/-178.388 χ^2/NDF: 99.3/49

All: 550.744+/-126.787 χ^2/NDF: 159.8/103

- sign 210.743+/-180.235 χ^2/NDF: 53.5/53

asym_sam3_rms vs Slug



Right In: 1895.645+/-0.382 χ^2/NDF: 3176671.1/24

Left Out: 802.014+/-0.134 χ^2/NDF:2396024.4/24

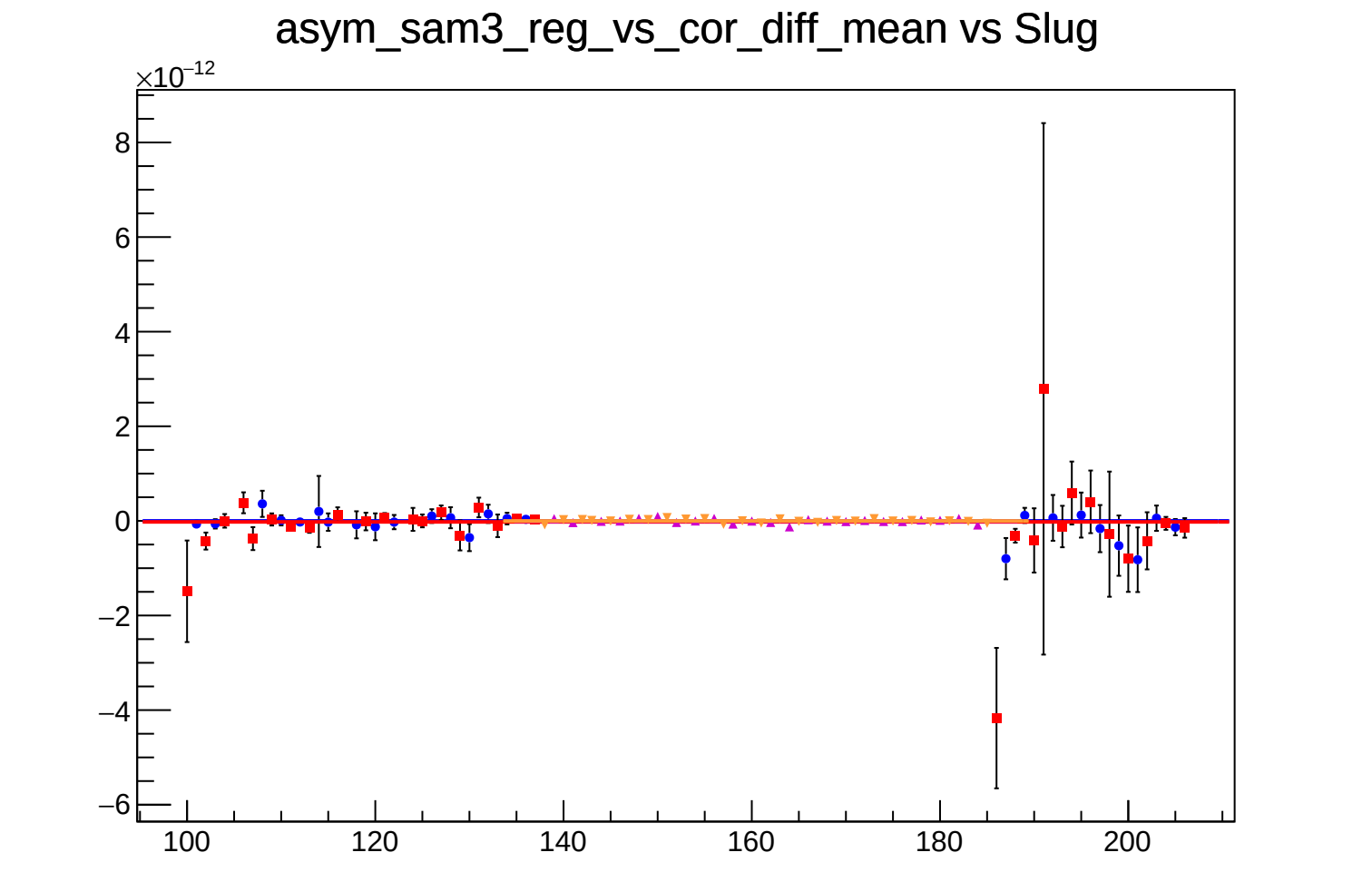
Right Out: 2005.217+/-0.376 χ^2/NDF: 4118469.0/30

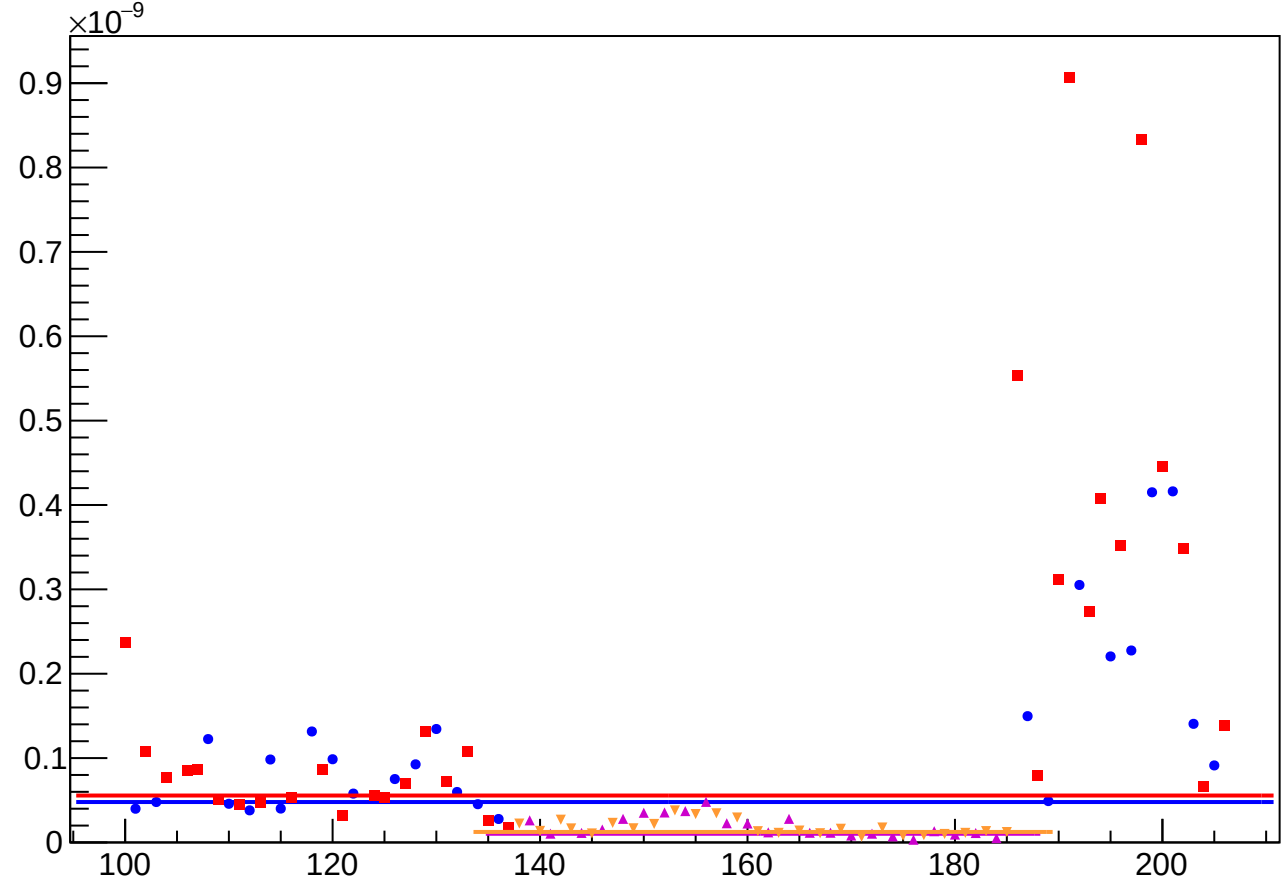
Left In: 792.060+/-0.135 χ^2/NDF:2135575.6/22

+ sign 921.361+/-0.126 χ^2/NDF: 12880664.0/49

All: 926.461+/-0.090 χ^2/NDF: 28365407.7/10

- sign 931.667+/-0.127 χ^2/NDF: 15481440.5/53


asym_sam3_reg_vs_cor_diff_mean vs Slug
×10^−12
8
6
4
2
0
−2
−4
−6
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 13.7/24
Left Out: -0.000+/-0.000 χ²/NDF:24.0/24
Right Out: -0.000+/-0.000 χ²/NDF: 39.7/30
Left In: -0.000+/-0.000 χ²/NDF:31.5/22
+ sign -0.000+/-0.000 χ²/NDF: 37.7/49
All: -0.000+/-0.000 χ²/NDF: 109.8/103
- sign -0.000+/-0.000 χ²/NDF: 71.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 4041945.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2214354.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5749181.8/30

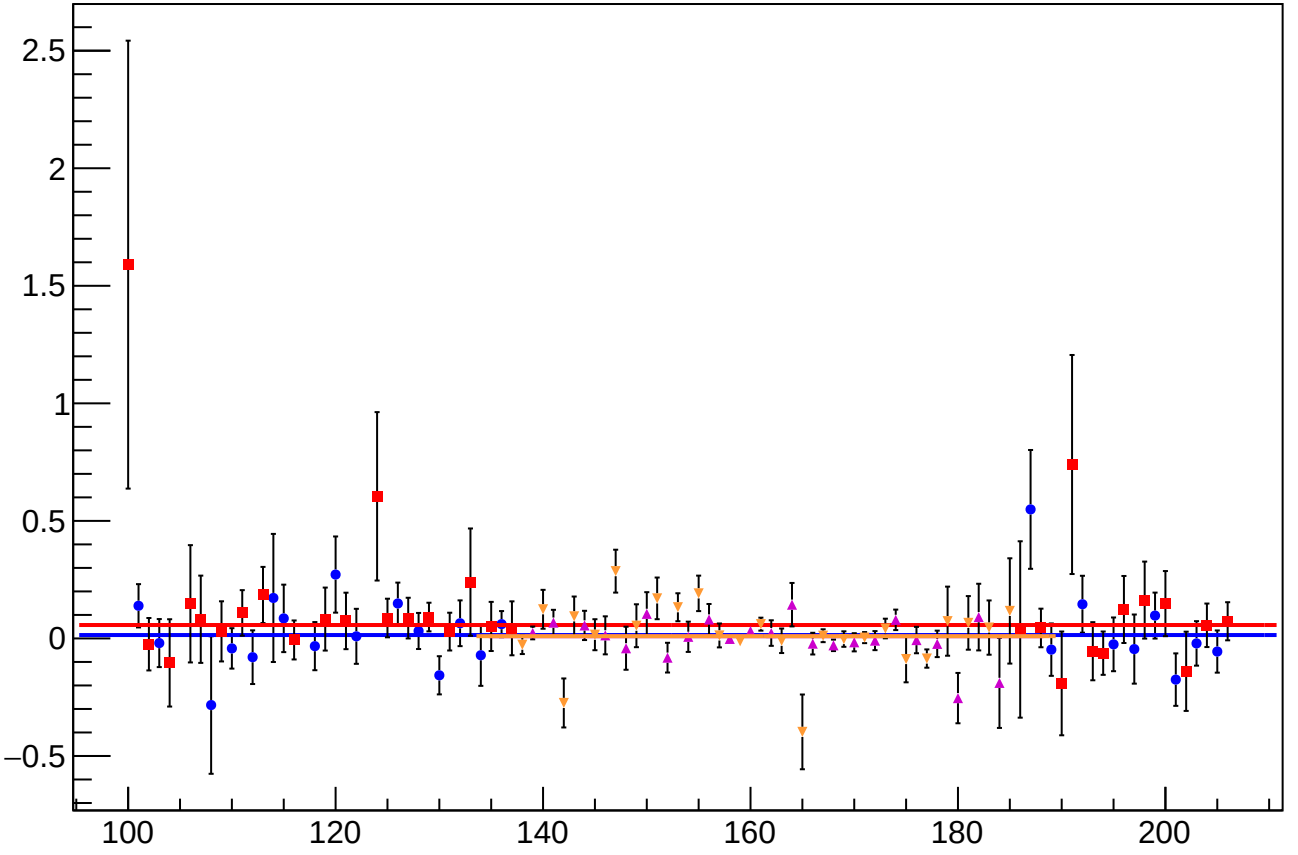
Left In: 0.000+/-0.000 χ^2/NDF:3679061.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9760509.9/49

All: 0.000+/-0.000 χ^2/NDF: 24294565.0/103

- sign 0.000+/-0.000 χ^2/NDF: 14336270.5/53

asym_sam3_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.021 χ^2/NDF: 18.2/30

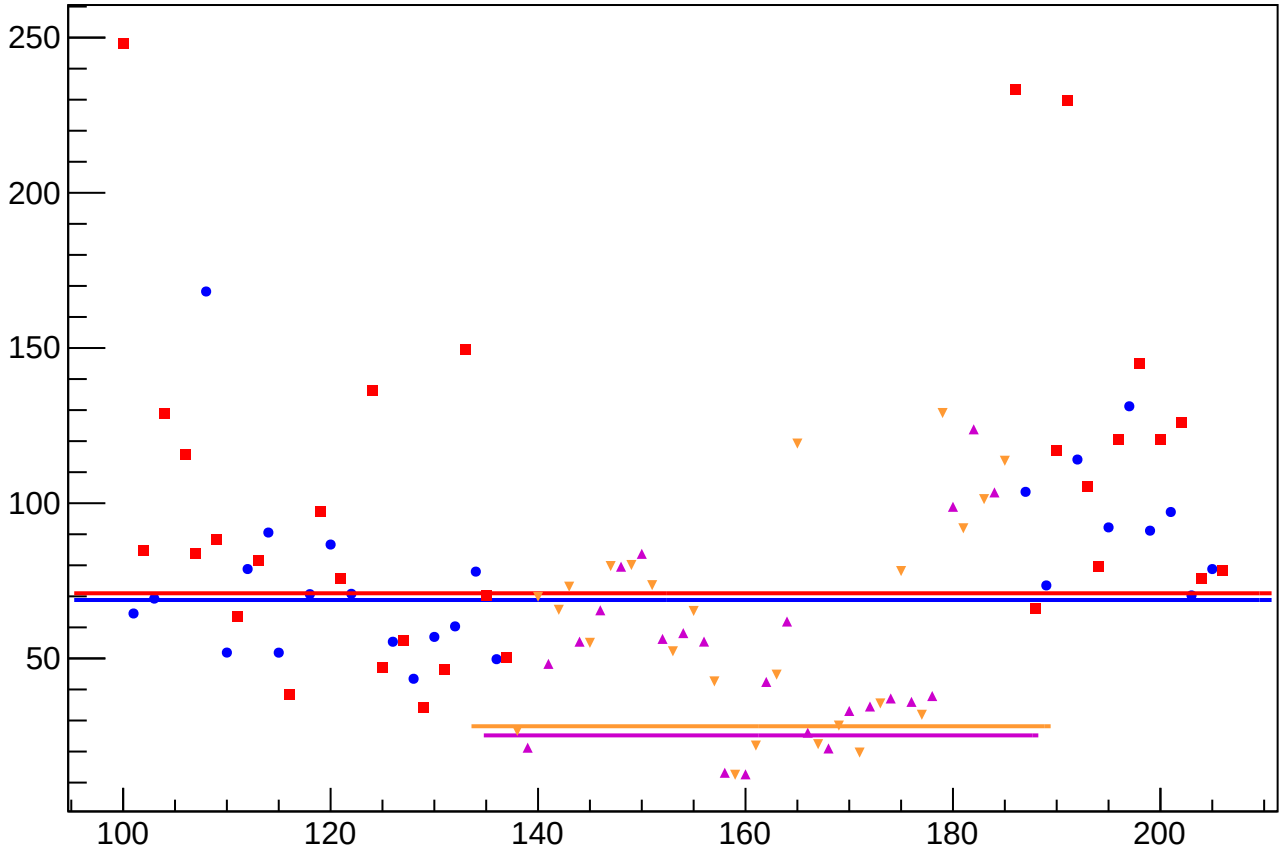
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.010+/-0.008 χ^2/NDF: 80.9/49

All: 0.013+/-0.005 χ^2/NDF: 129.2/103

- sign 0.016+/-0.007 χ^2/NDF: 48.1/53

asym_sam3_dit_vs_cor_diff_rms vs Slug



Right In: 68.823+/-0.015 χ^2/NDF: 1986363.9/24

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

Right Out: 70.990+/-0.015 χ^2/NDF: 4350214.7/30

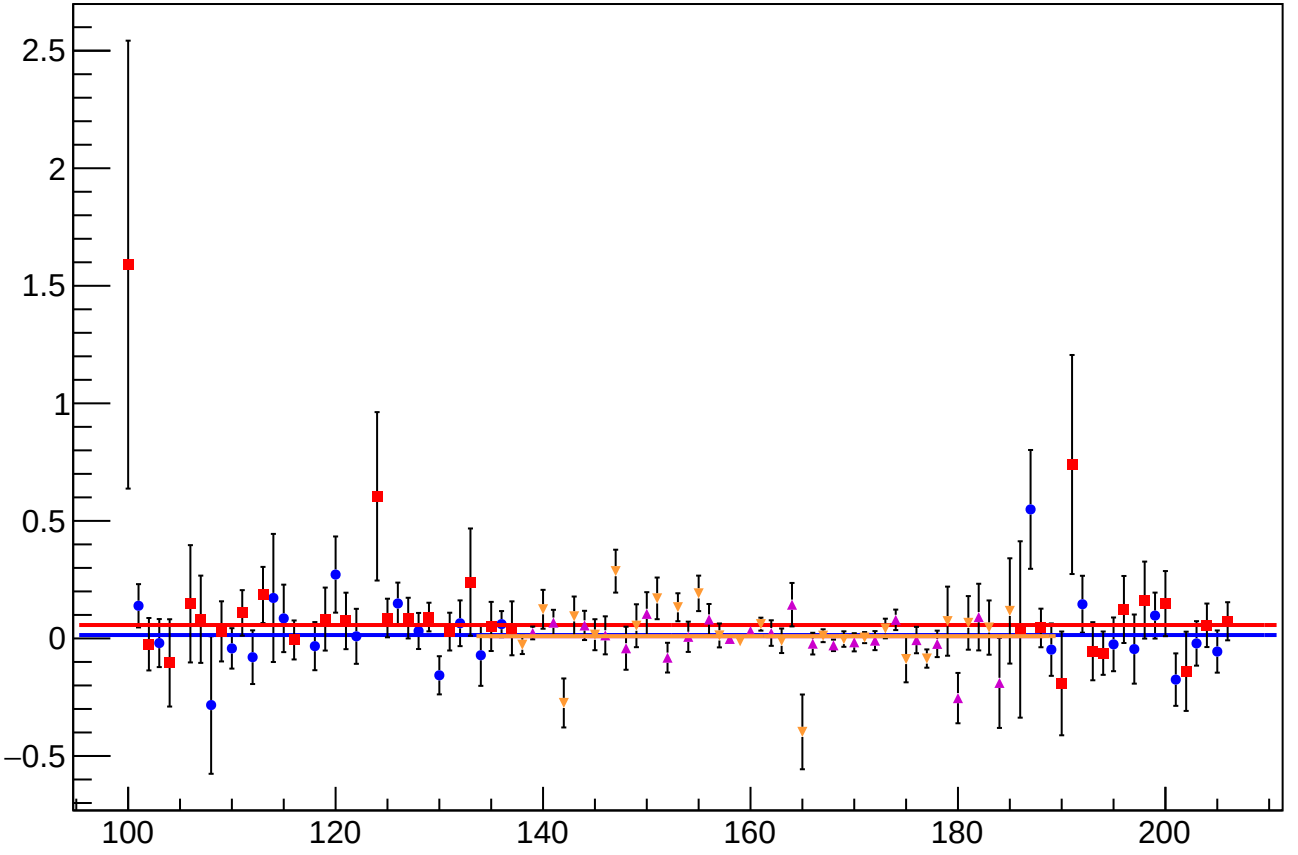
Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 34.006+/-0.006 χ^2/NDF: 19714766.3/49

All: 32.492+/-0.004 χ^2/NDF: 42826108.4/103

- sign 31.141+/-0.005 χ^2/NDF: 22969672.6/53

asym_sam3_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.021 χ^2/NDF: 18.2/30

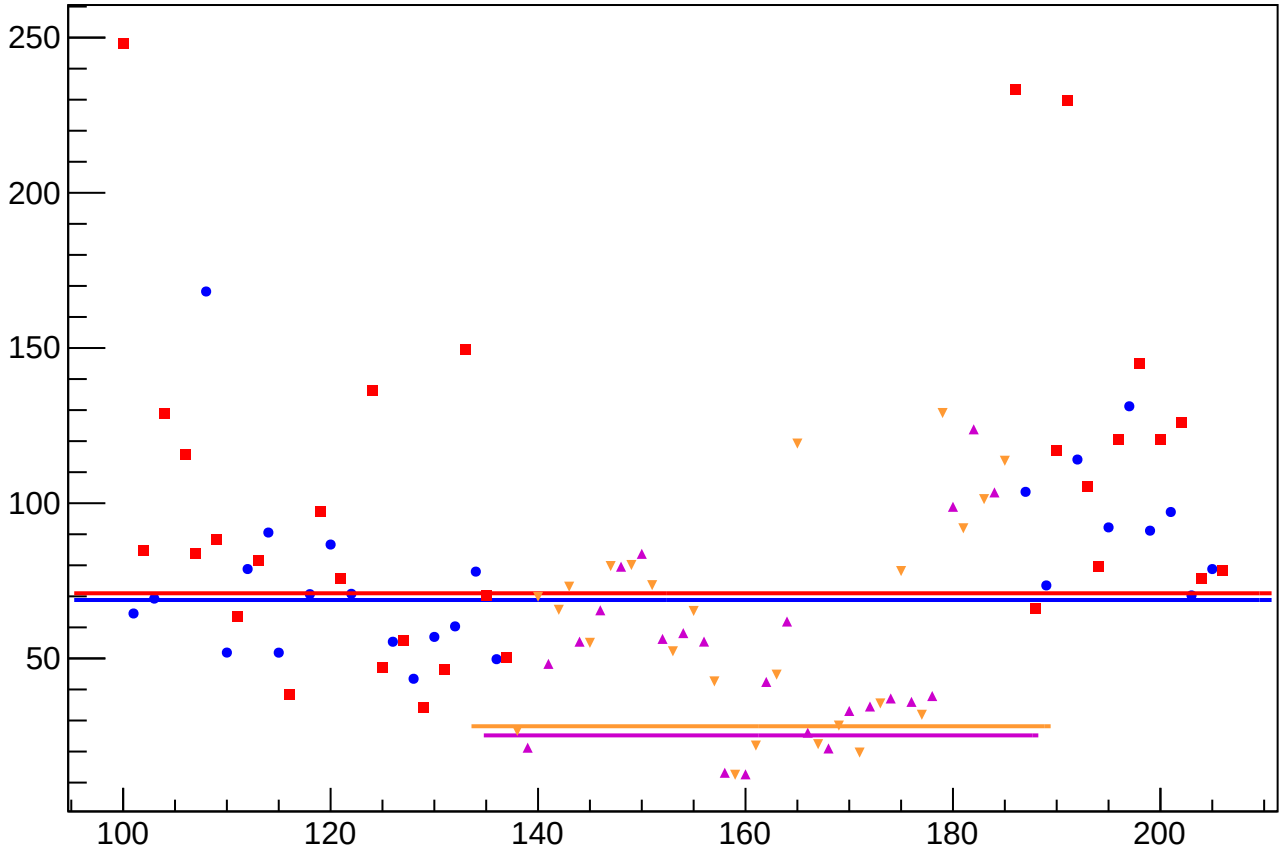
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.010+/-0.008 χ^2/NDF: 80.9/49

All: 0.013+/-0.005 χ^2/NDF: 129.2/103

- sign 0.016+/-0.007 χ^2/NDF: 48.1/53

asym_sam3_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.823+/-0.015 χ^2/NDF: 1986363.9/24

Left Out: 28.151+/-0.006 χ^2/NDF:11070747.0/24

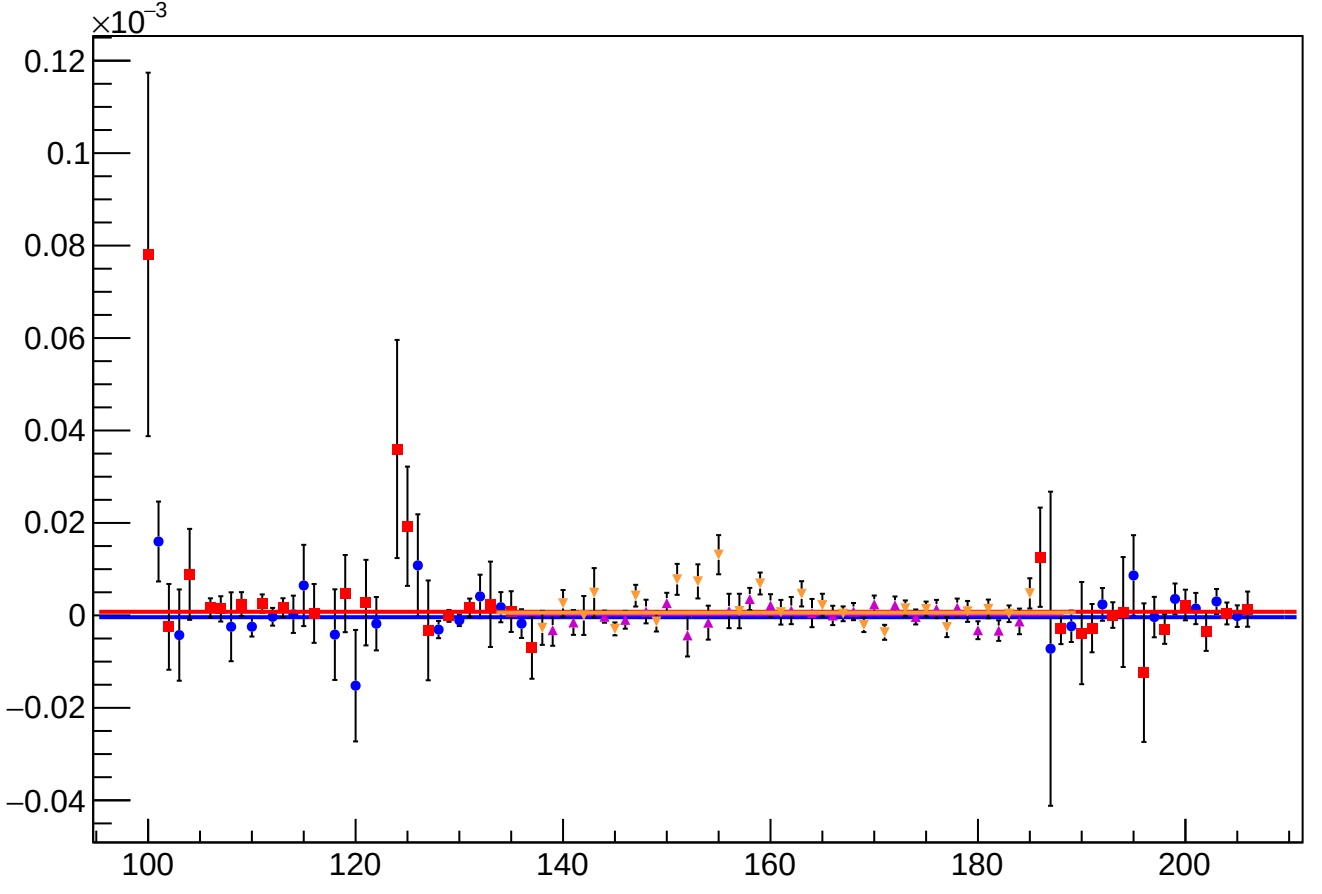
Right Out: 70.990+/-0.015 χ^2/NDF: 4350214.7/30

Left In: 25.206+/-0.006 χ^2/NDF:9964049.2/22

+ sign 34.006+/-0.006 χ^2/NDF: 19714766.3/49

All: 32.492+/-0.004 χ^2/NDF: 42826108.4/103

- sign 31.141+/-0.005 χ^2/NDF: 22969672.6/53



Right In: -0.000+/-0.000 χ^2/NDF: 17.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:52.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 19.5/30

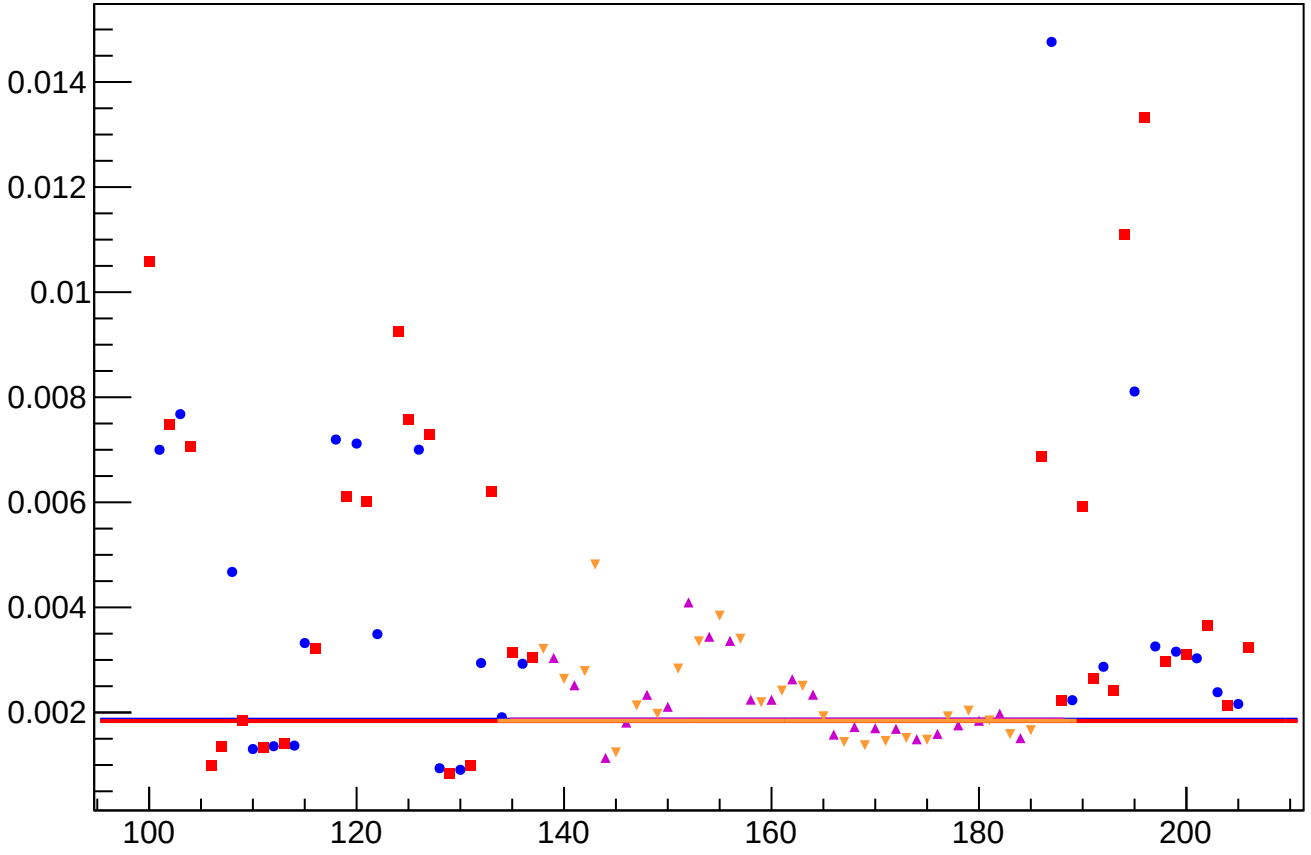
Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 71.4/49

All: 0.000+/-0.000 χ^2/NDF: 108.0/103

- sign 0.000+/-0.000 χ^2/NDF: 36.5/53

asym_sam3_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 7955901.1/24

Left Out: 0.002+/-0.000 χ^2/NDF:3783185.4/24

Right Out: 0.002+/-0.000 χ^2/NDF: 10906803.4/30

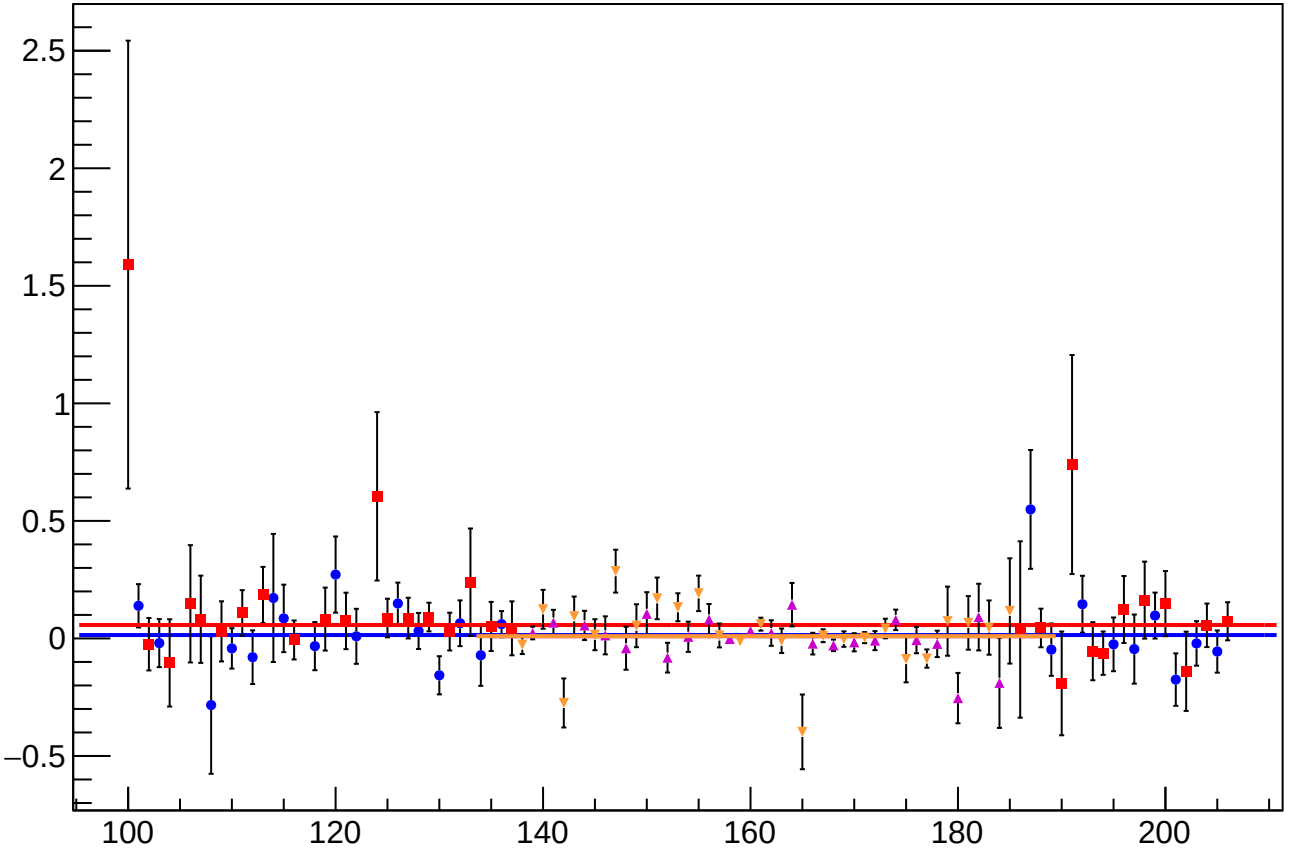
Left In: 0.002+/-0.000 χ^2/NDF:2794135.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 11740371.4/49

All: 0.002+/-0.000 χ^2/NDF: 25444346.7/103

- sign 0.002+/-0.000 χ^2/NDF: 13703816.5/53

asym_sam3_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.021 χ^2/NDF: 18.2/30

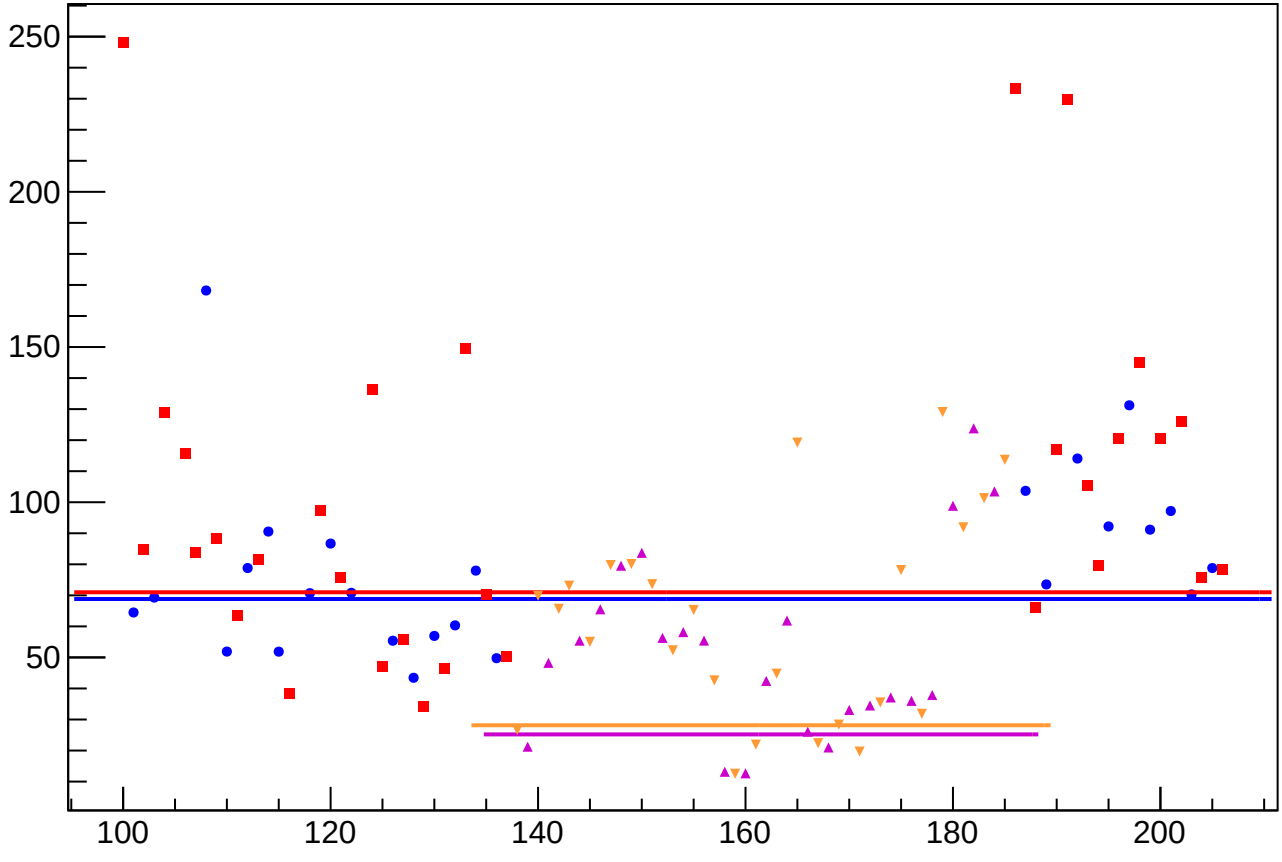
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.010+/-0.008 χ^2/NDF: 80.9/49

All: 0.013+/-0.005 χ^2/NDF: 129.2/103

- sign 0.016+/-0.007 χ^2/NDF: 48.1/53

asym_sam3_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 68.823+/-0.015 χ^2/NDF: 1986342.9/24

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.992+/-0.015 χ^2/NDF: 4350236.9/30

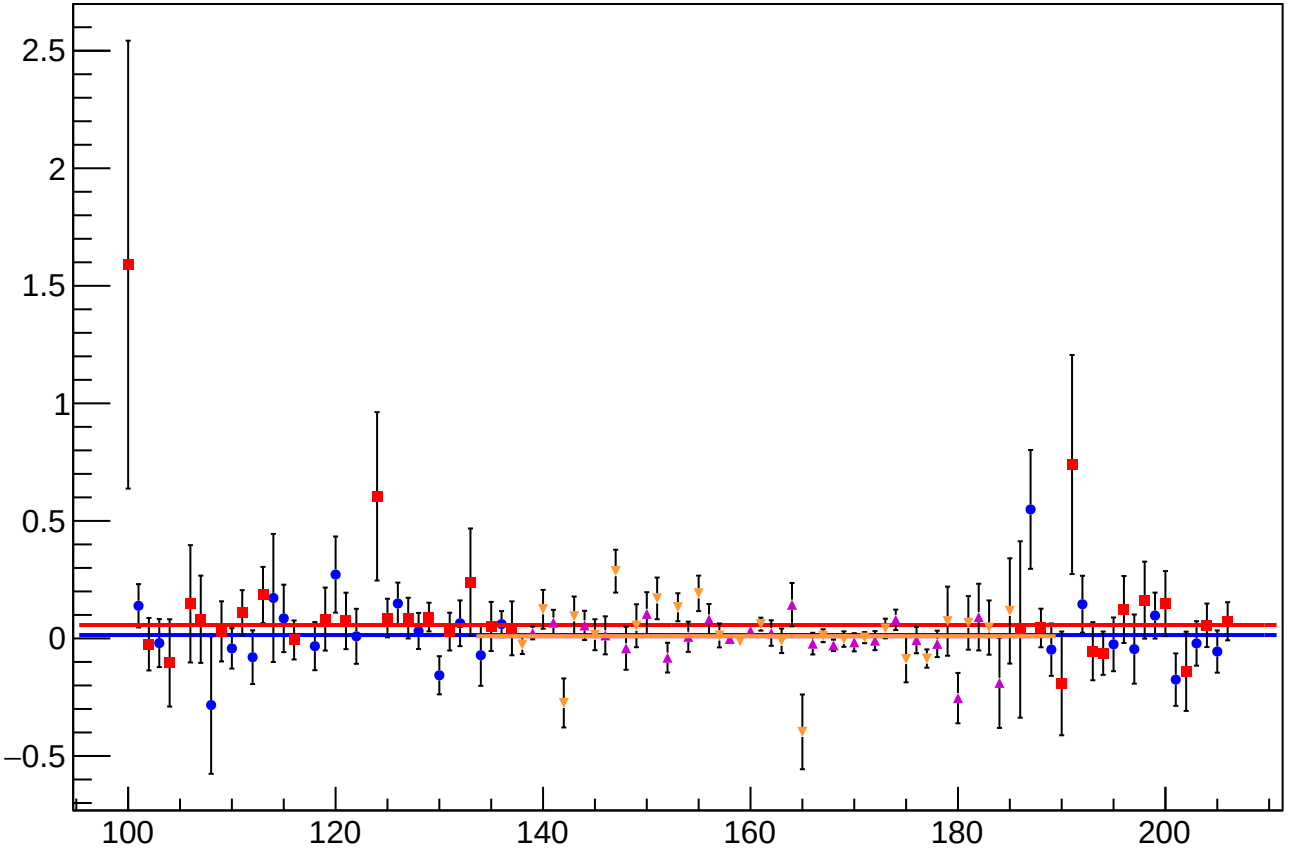
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 34.005+/-0.006 χ^2/NDF: 19716316.2/49

All: 32.491+/-0.004 χ^2/NDF: 42828466.7/103

- sign 31.140+/-0.005 χ^2/NDF: 22970563.9/53

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.014+/-0.021 χ^2/NDF: 26.2/24

Left Out: 0.010+/-0.008 χ^2/NDF:54.6/24

Right Out: 0.057+/-0.021 χ^2/NDF: 18.2/30

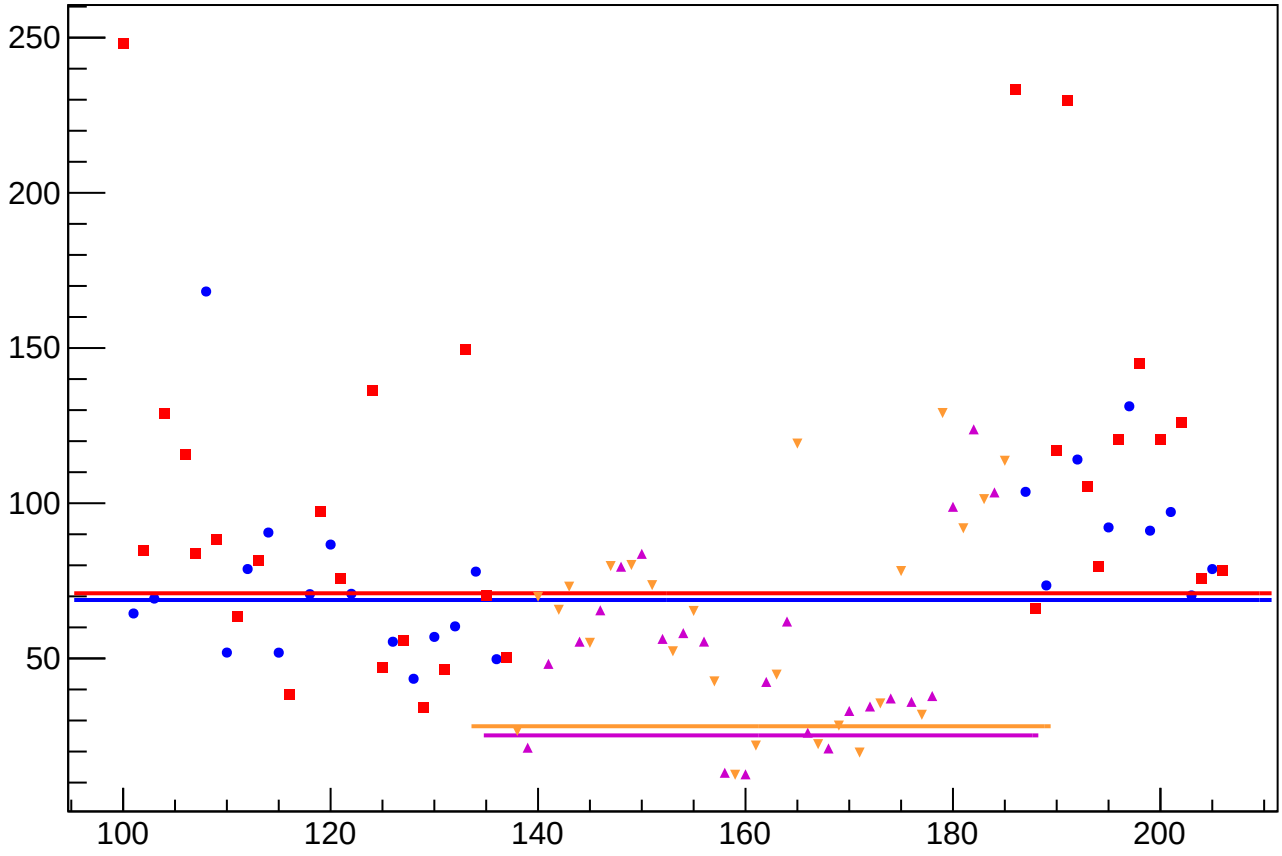
Left In: 0.009+/-0.008 χ^2/NDF:25.2/22

+ sign 0.010+/-0.008 χ^2/NDF: 80.9/49

All: 0.013+/-0.005 χ^2/NDF: 129.2/103

- sign 0.016+/-0.007 χ^2/NDF: 48.1/53

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 68.823+/-0.015 χ^2/NDF: 1986342.9/24

Left Out: 28.150+/-0.006 χ^2/NDF:11071818.3/24

Right Out: 70.992+/-0.015 χ^2/NDF: 4350236.9/30

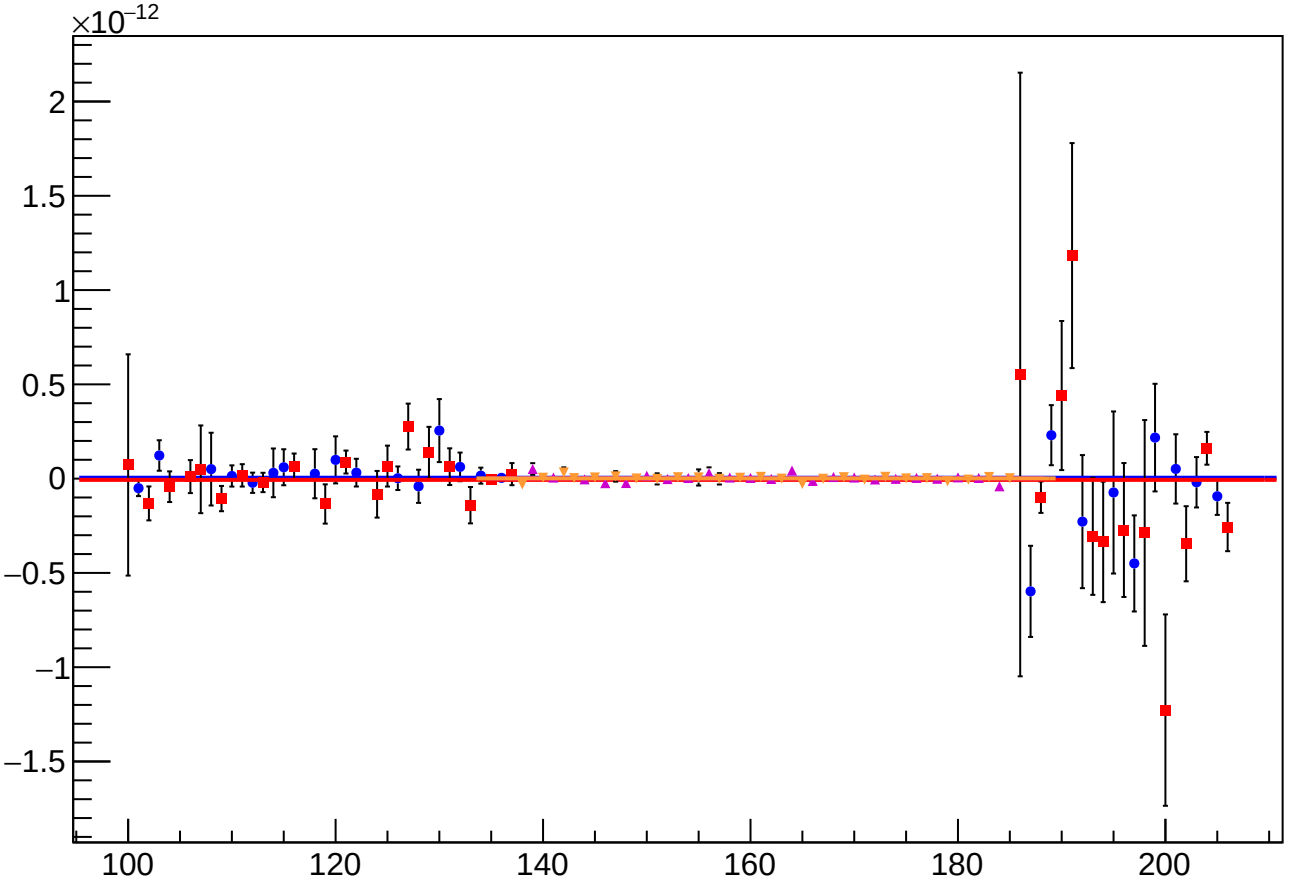
Left In: 25.205+/-0.006 χ^2/NDF:9964548.1/22

+ sign 34.005+/-0.006 χ^2/NDF: 19716316.2/49

All: 32.491+/-0.004 χ^2/NDF: 42828466.7/103

- sign 31.140+/-0.005 χ^2/NDF: 22970563.9/53

asym_sam3_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:11.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 45.3/30

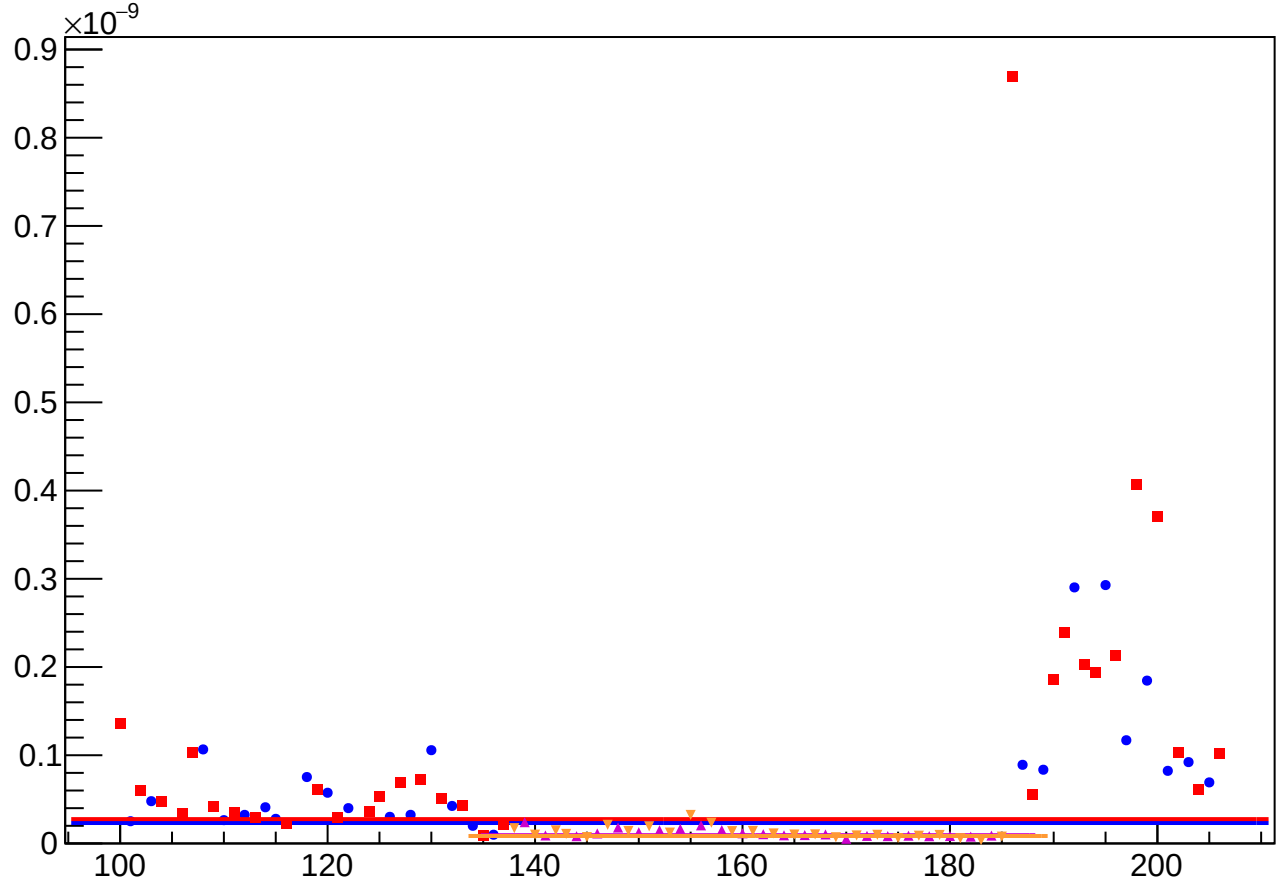
Left In: 0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.3/49

All: 0.000+/-0.000 χ^2/NDF: 99.9/103

- sign 0.000+/-0.000 χ^2/NDF: 66.6/53

asym_sam3_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7706586.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:4343727.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9807482.0/30

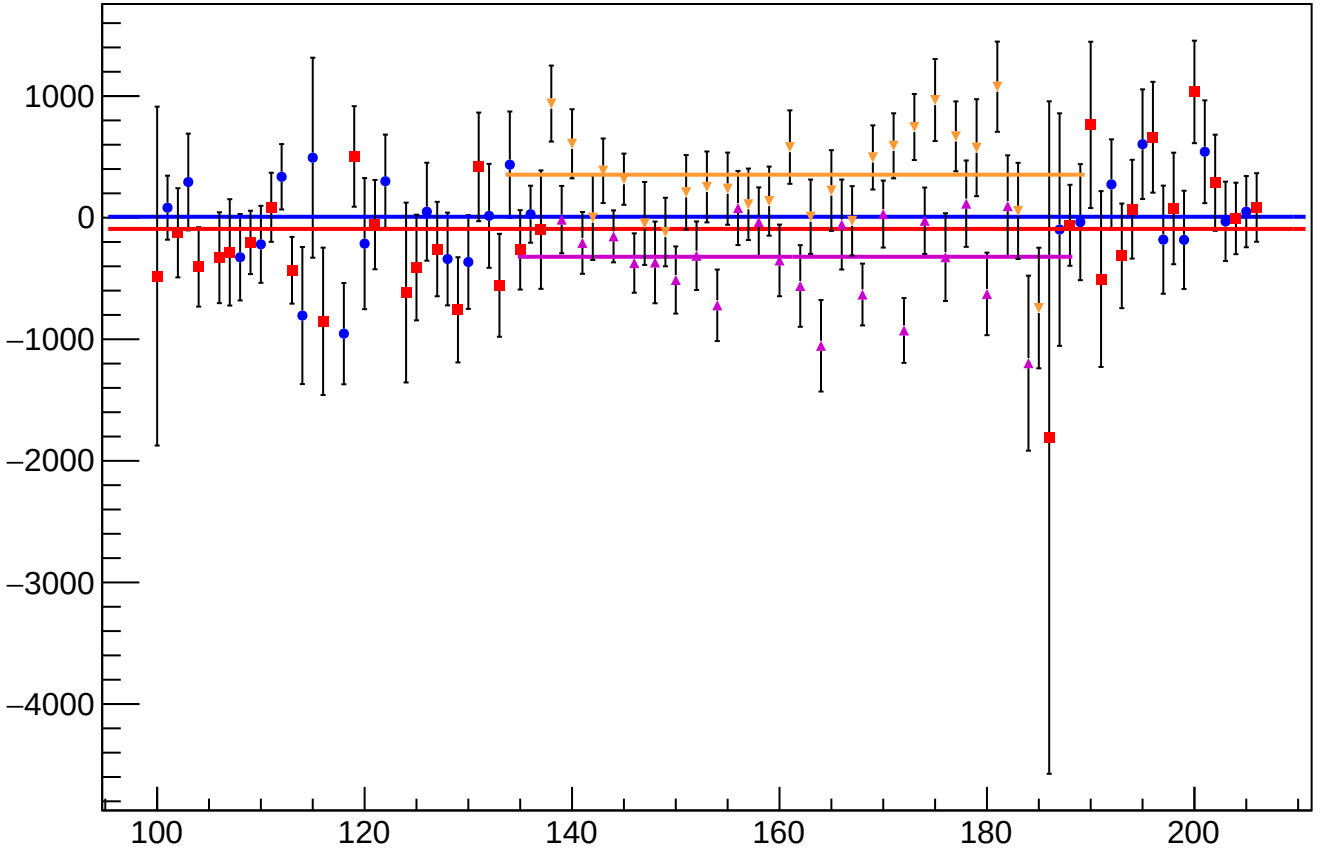
Left In: 0.000+/-0.000 χ^2/NDF:2146041.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14956892.4/49

All: 0.000+/-0.000 χ^2/NDF: 30764808.6/103

- sign 0.000+/-0.000 χ^2/NDF: 15659078.3/53

reg_asym_sam4_mean vs Slug



Right In: 7.348+/-75.103 χ^2/NDF: 19.0/24

Left Out: 353.617+/-60.149 χ^2/NDF:32.3/24

Right Out: -92.539+/-70.746 χ^2/NDF: 27.9/30

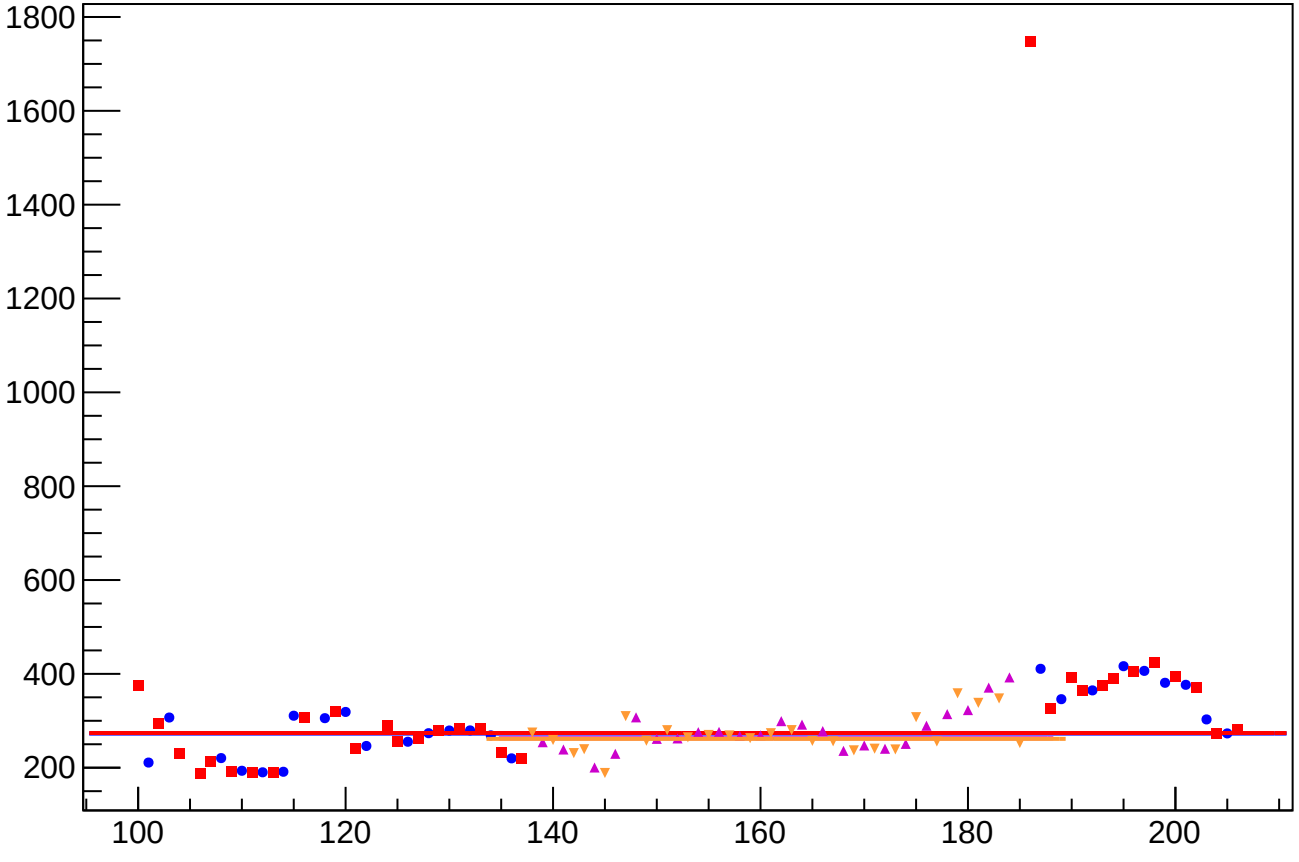
Left In: -321.510+/-62.113 χ^2/NDF:26.2/22

+ sign 218.306+/-46.948 χ^2/NDF: 64.3/49

All: -3.046+/-33.101 χ^2/NDF: 168.5/103

- sign -221.839+/-46.676 χ^2/NDF: 60.0/53

reg_asym_sam4_rms vs Slug



Right In: 272.758+/-0.053 χ^2/NDF: 1548289.2/24

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.955+/-0.050 χ^2/NDF: 2521940.8/30

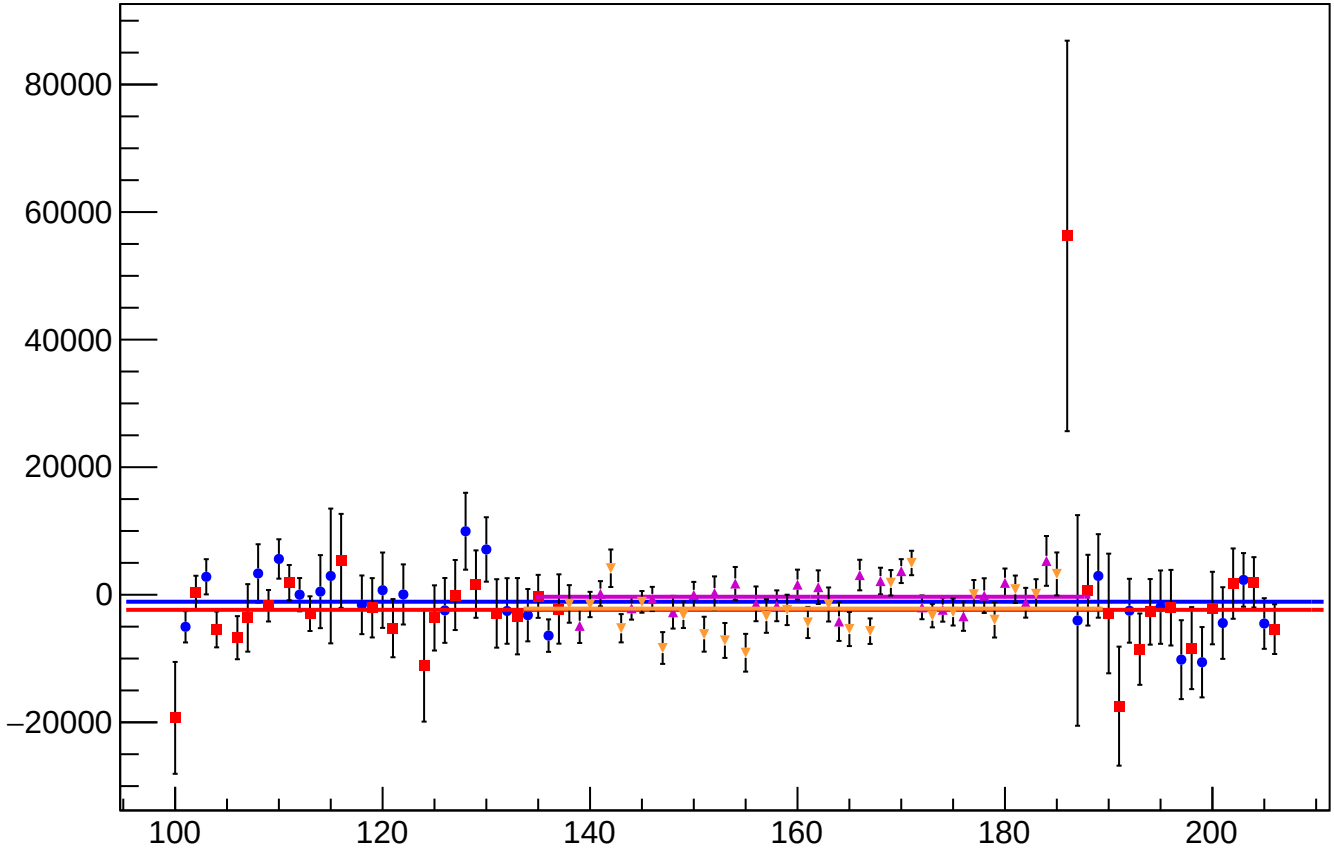
Left In: 262.616+/-0.044 χ^2/NDF:670646.3/22

+ sign 265.881+/-0.033 χ^2/NDF: 2291286.1/49

All: 266.721+/-0.023 χ^2/NDF: 5514157.6/103

- sign 267.552+/-0.033 χ^2/NDF: 3221597.8/53

asym_sam4_reg_correction_mean vs Slug



Right In: -1093.657+/-838.644 χ^2/NDF: 28.9/24

Left Out: -2171.840+/-461.649 χ^2/NDF:55.5/24

Right Out: -2364.015+/-784.865 χ^2/NDF: 24.9/30

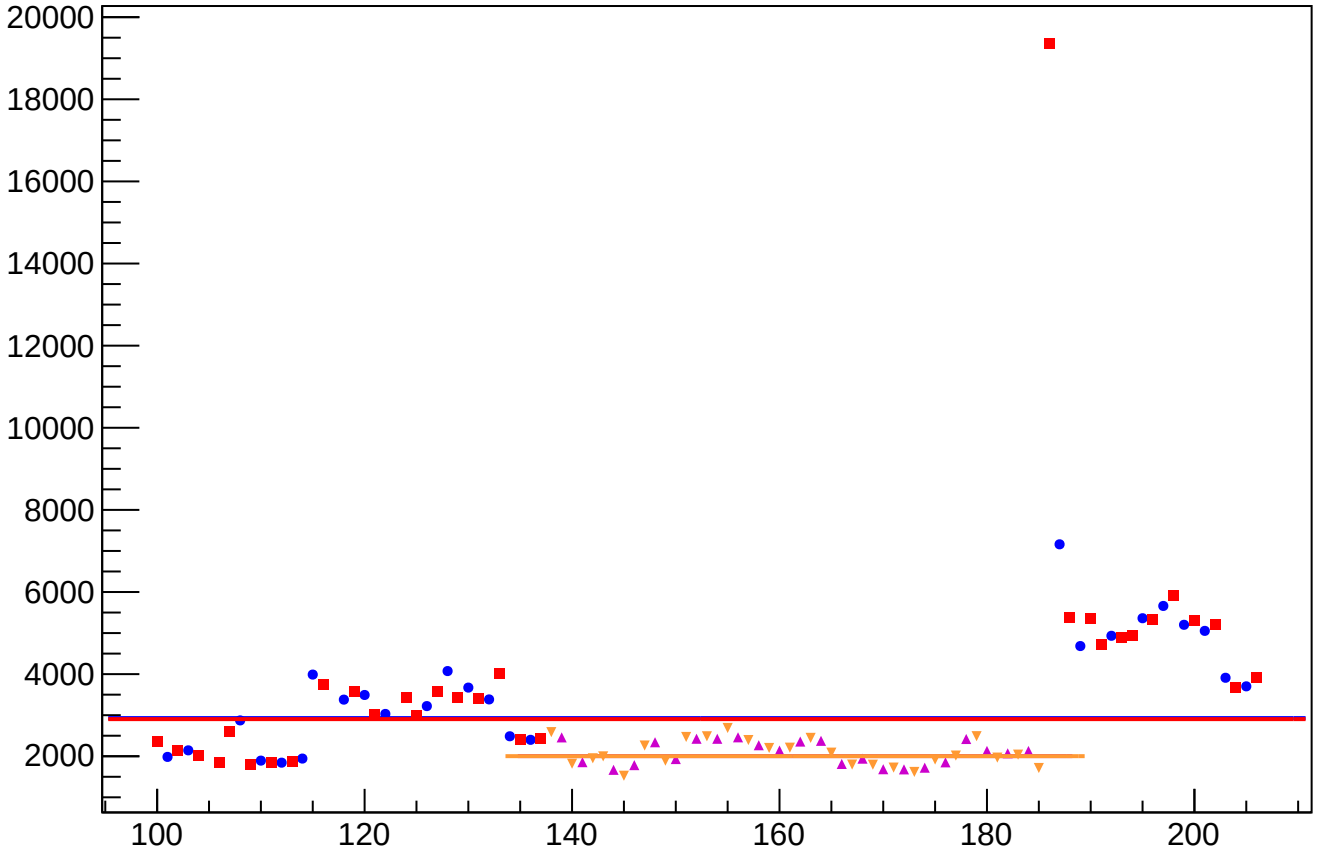
Left In: -313.739+/-474.086 χ^2/NDF:23.7/22

+ sign -1921.108+/-404.424 χ^2/NDF: 85.7/49

All: -1393.267+/-286.456 χ^2/NDF: 142.7/103

- sign -861.825+/-405.801 χ^2/NDF: 53.6/53

asym_sam4_reg_correction_rms vs Slug



Right In: 2929.094+/-0.593 χ^2/NDF: 3549126.3/24

Left Out: 2002.229+/-0.326 χ^2/NDF:892707.2/24

Right Out: 2904.354+/-0.555 χ^2/NDF: 5275297.5/30

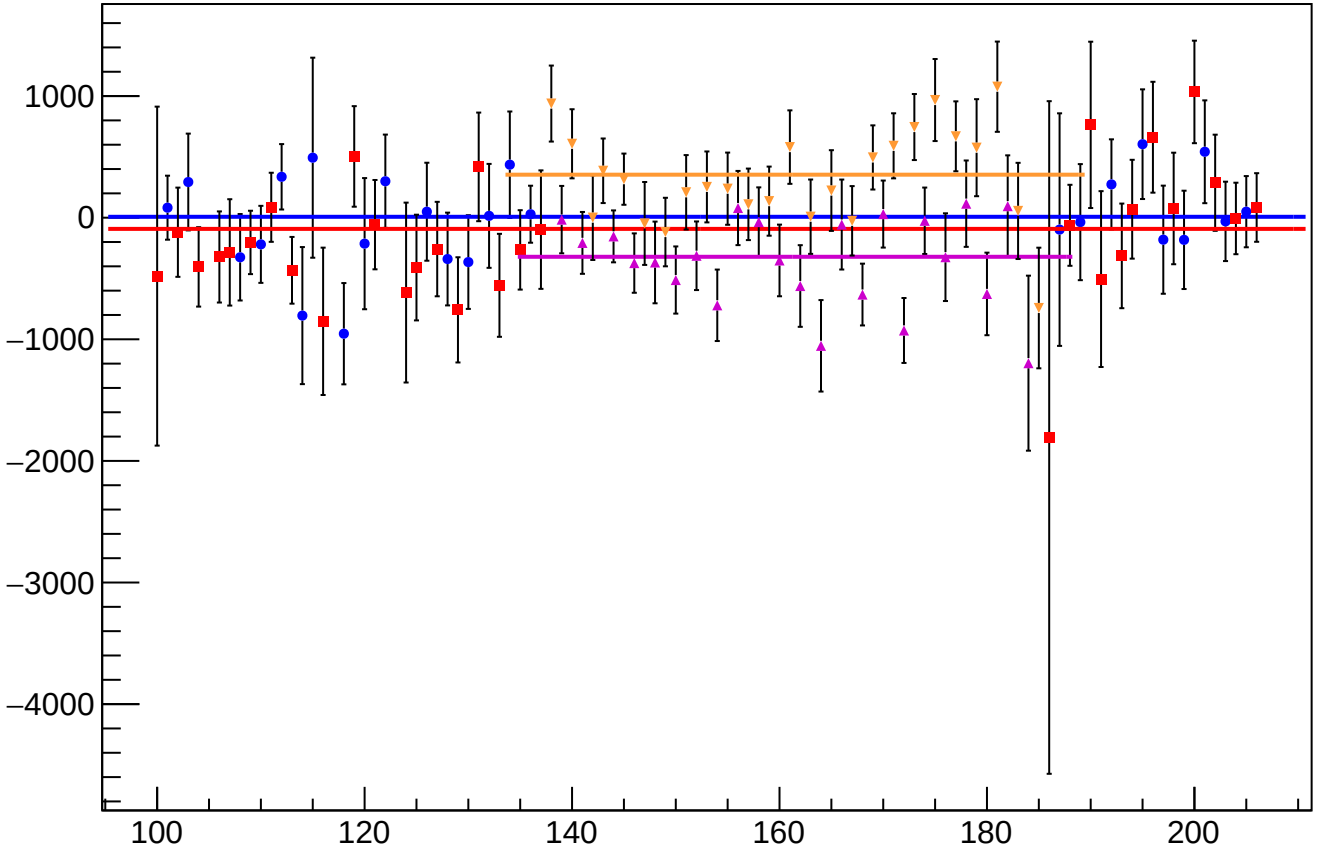
Left In: 2004.244+/-0.335 χ^2/NDF:704919.9/22

+ sign 2217.772+/-0.286 χ^2/NDF: 6316644.7/49

All: 2231.272+/-0.203 χ^2/NDF: 14228606.6/1

- sign 2244.864+/-0.287 χ^2/NDF: 7907489.8/53

cor_asym_sam4_mean vs Slug



Right In: 7.328+/-75.103 χ^2/NDF: 19.1/24

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -92.102+/-70.753 χ^2/NDF: 27.8/30

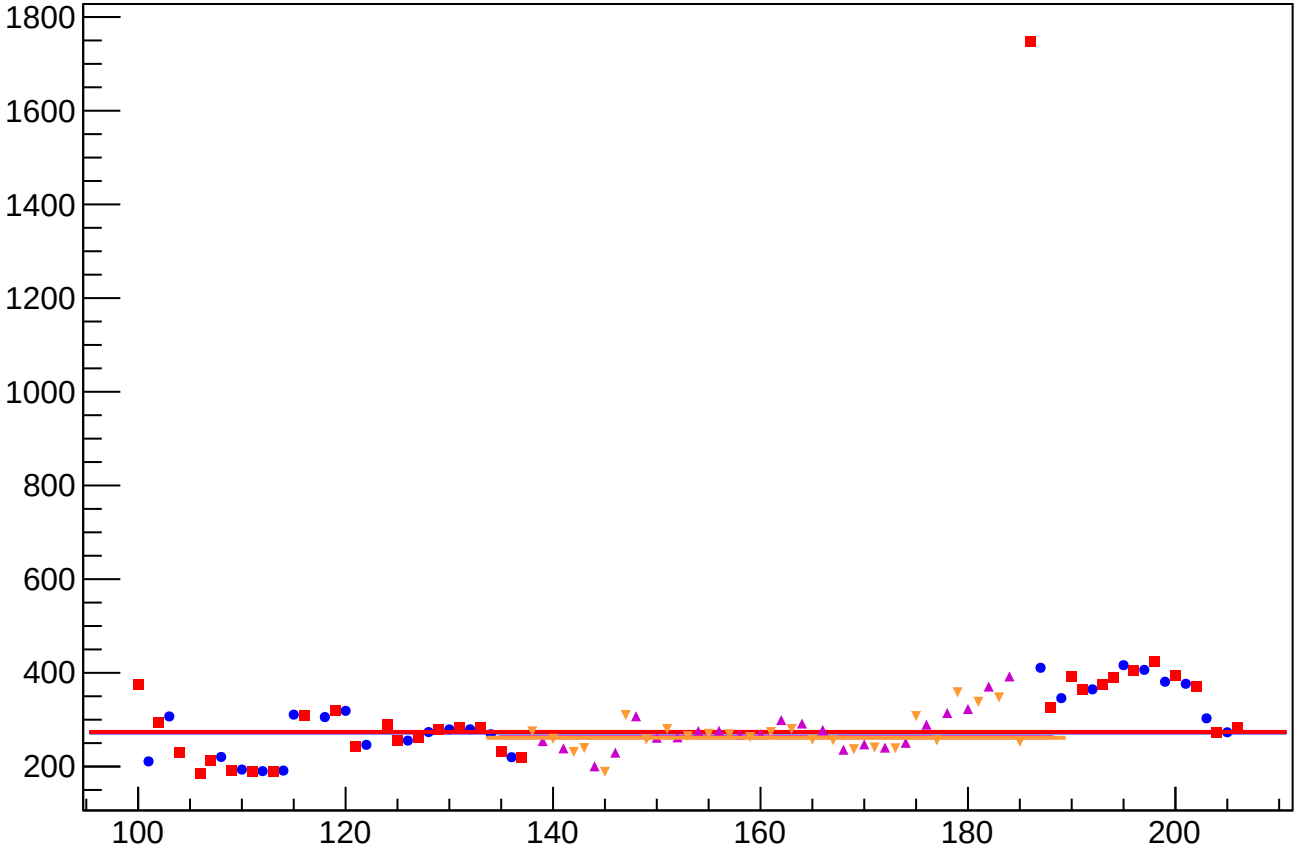
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 218.312+/-46.948 χ^2/NDF: 64.3/49

All: -2.945+/-33.101 χ^2/NDF: 168.5/103

- sign -221.663+/-46.678 χ^2/NDF: 60.0/53

cor_asym_sam4_rms vs Slug



Right In: 272.759+/-0.053 χ^2/NDF: 1548290.6/24

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

Right Out: 273.884+/-0.050 χ^2/NDF: 2527804.7/30

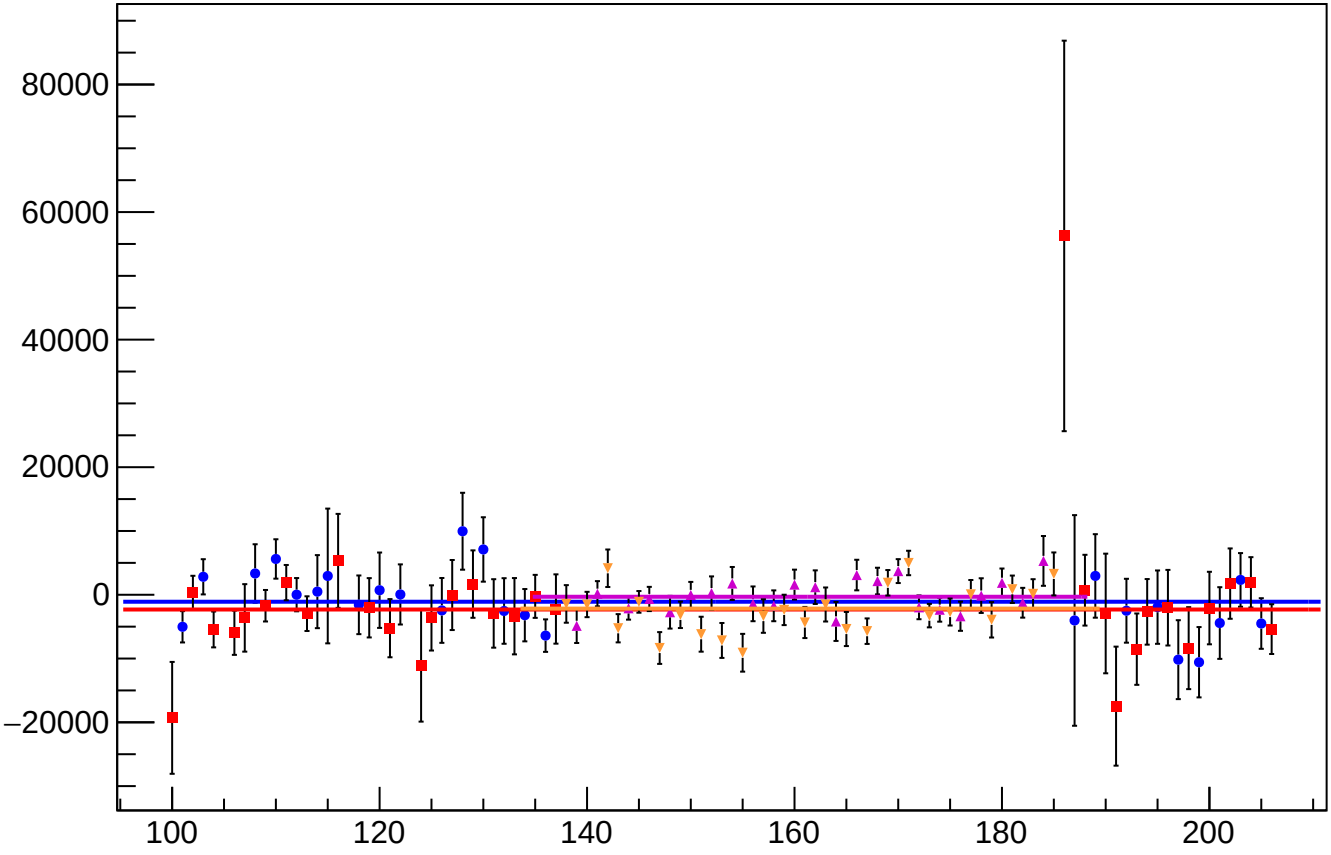
Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 265.881+/-0.033 χ^2/NDF: 2291287.7/49

All: 266.705+/-0.023 χ^2/NDF: 5519610.7/103

- sign 267.520+/-0.033 χ^2/NDF: 3227096.7/53

asym_sam4_cor_correction_mean vs Slug



Right In: -1093.794+/-838.650 χ^2/NDF: 28.9/24

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2312.724+/-786.008 χ^2/NDF: 24.3/30

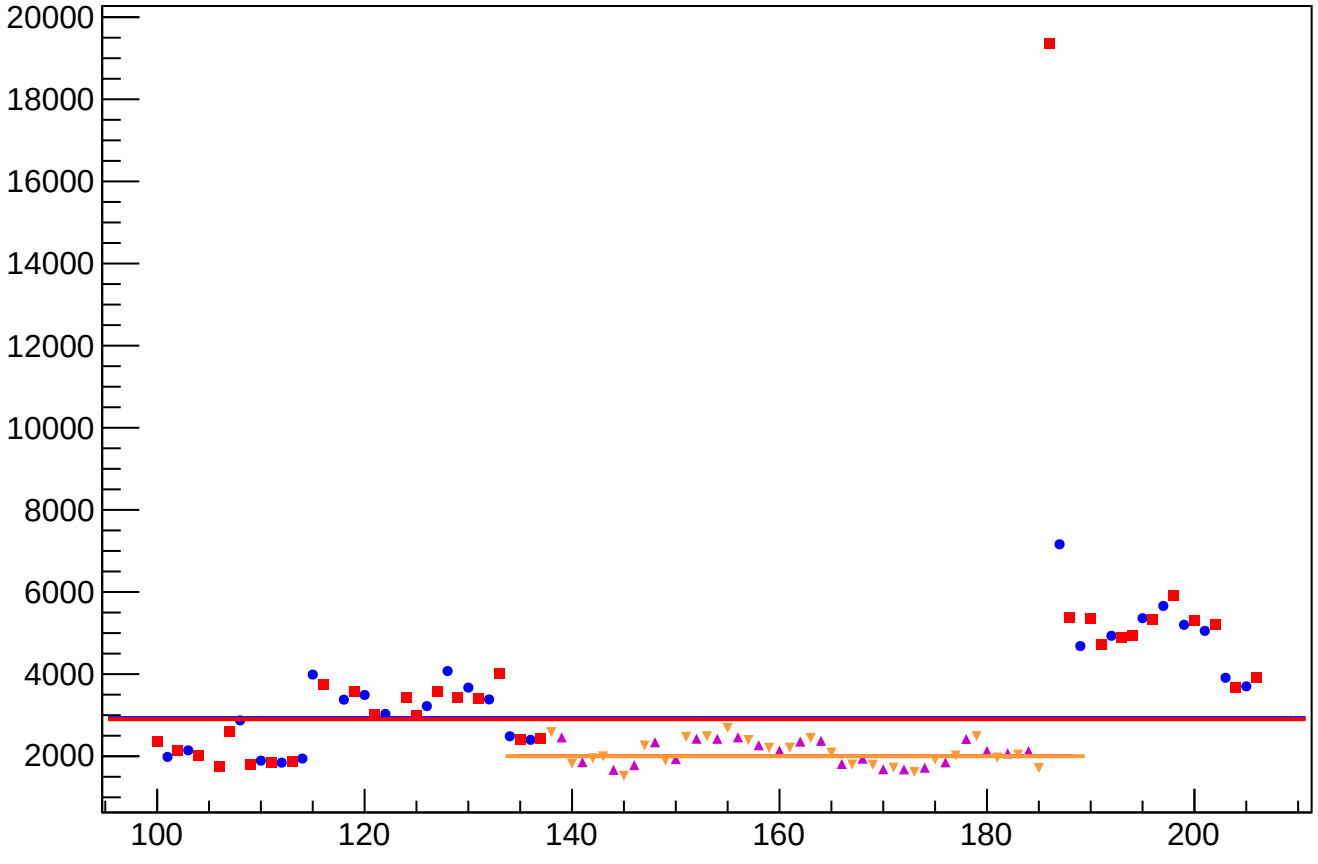
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1921.120+/-404.424 χ^2/NDF: 85.7/49

All: -1386.084+/-286.512 χ^2/NDF: 142.0/103

- sign -846.979+/-405.959 χ^2/NDF: 52.7/53

asym_sam4_cor_correction_rms vs Slug



Right In: 2929.120+/-0.593 χ^2/NDF: 3549035.9/24

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2901.747+/-0.556 χ^2/NDF: 5305613.3/30

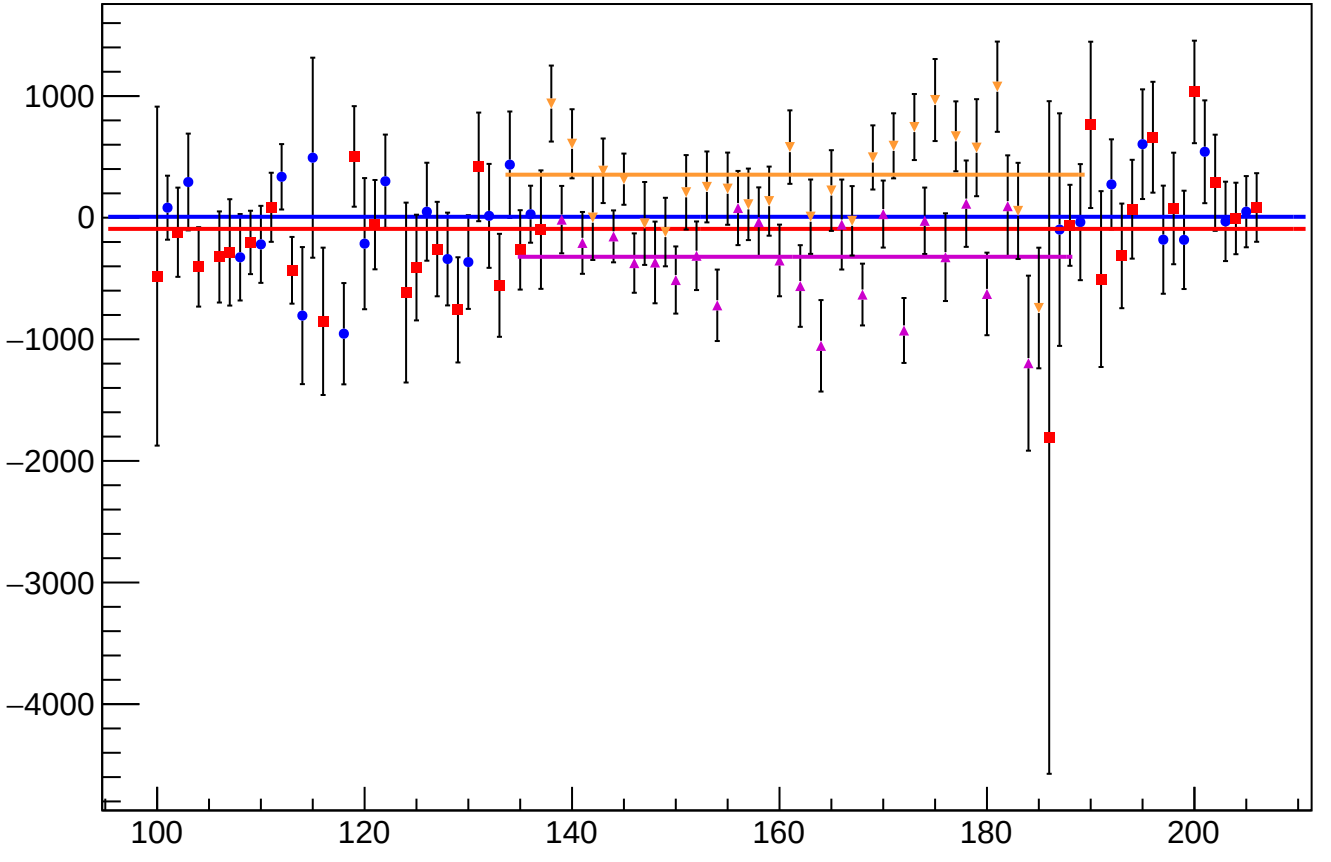
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2217.776+/-0.286 χ^2/NDF: 6316638.3/49

All: 2230.667+/-0.203 χ^2/NDF: 14243293.3/1

- sign 2243.656+/-0.287 χ^2/NDF: 7922575.4/53

eigen_cor_asym_sam4_mean vs Slug



Right In: 7.328+/-75.103 χ^2/NDF: 19.1/24

Left Out: 353.640+/-60.149 χ^2/NDF:32.3/24

Right Out: -92.102+/-70.753 χ^2/NDF: 27.8/30

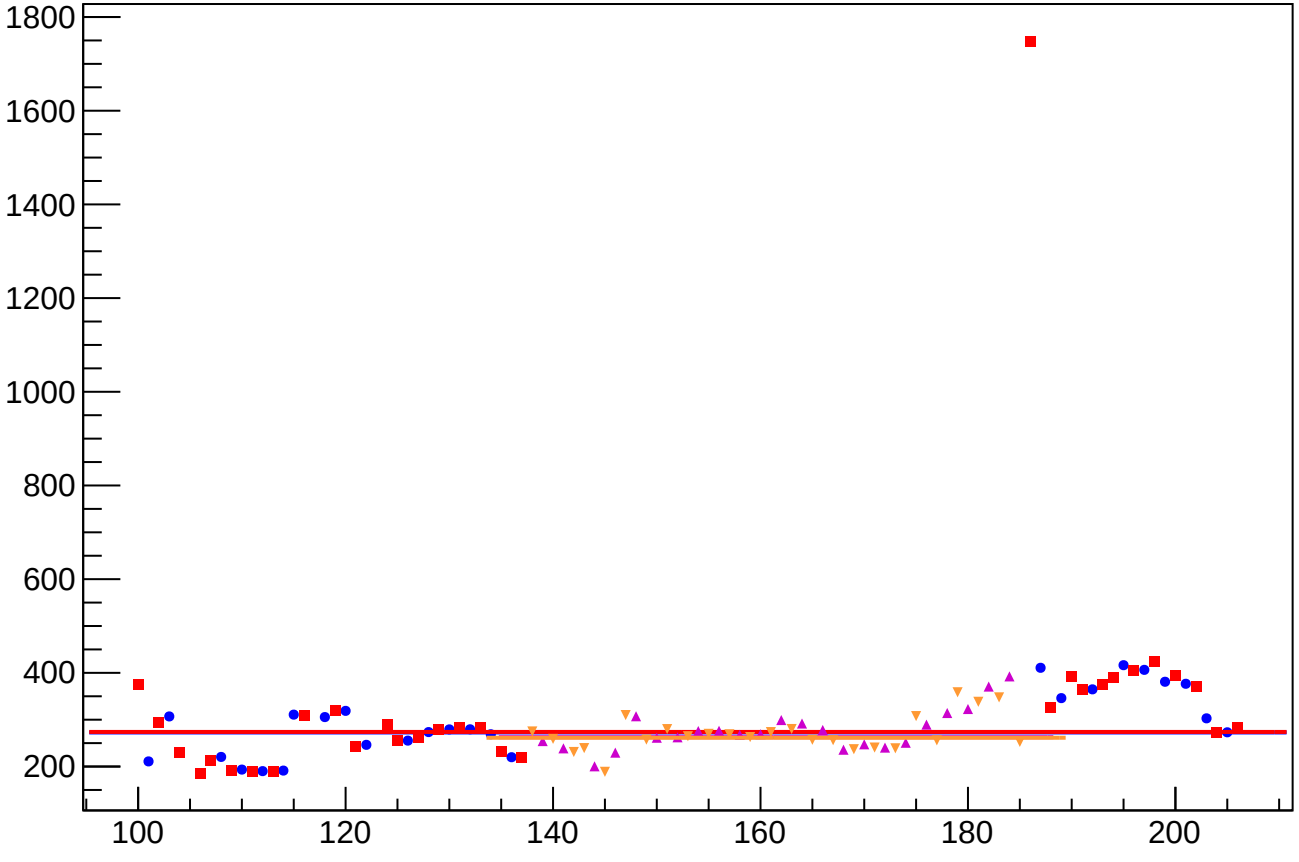
Left In: -321.514+/-62.113 χ^2/NDF:26.2/22

+ sign 218.312+/-46.948 χ^2/NDF: 64.3/49

All: -2.945+/-33.101 χ^2/NDF: 168.5/103

- sign -221.663+/-46.678 χ^2/NDF: 60.0/53

eigen_cor_asym_sam4_rms vs Slug



Right In: 272.759+/-0.053 χ^2/NDF: 1548290.6/24

Left Out: 261.470+/-0.043 χ^2/NDF:715467.9/24

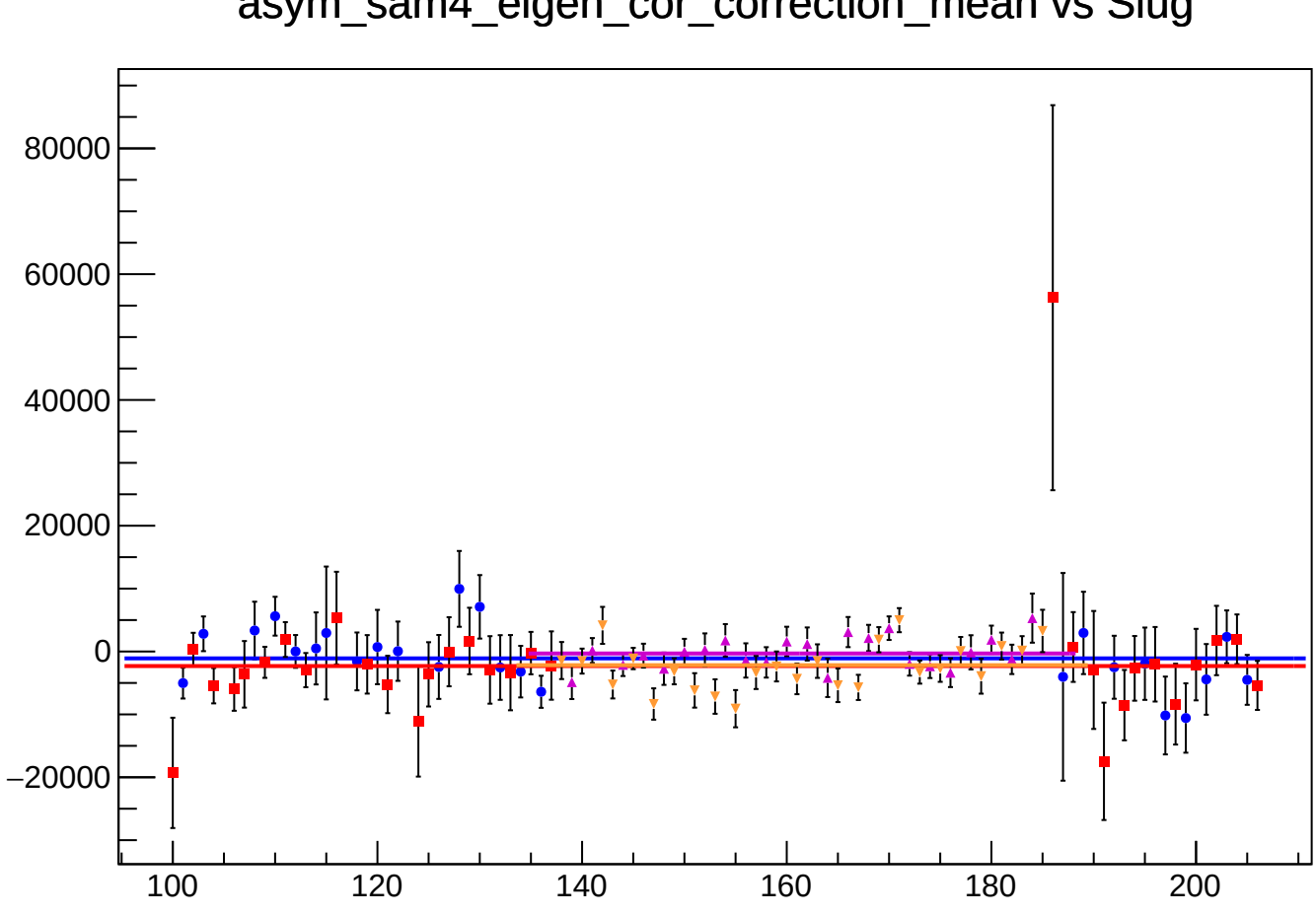
Right Out: 273.884+/-0.050 χ^2/NDF: 2527804.7/30

Left In: 262.616+/-0.044 χ^2/NDF:670646.4/22

+ sign 265.881+/-0.033 χ^2/NDF: 2291287.7/49

All: 266.705+/-0.023 χ^2/NDF: 5519610.7/103

- sign 267.520+/-0.033 χ^2/NDF: 3227096.7/53



Right In: -1093.794+/-838.650 χ^2/NDF: 28.9/24

Left Out: -2171.811+/-461.649 χ^2/NDF:55.5/24

Right Out: -2312.724+/-786.008 χ^2/NDF: 24.3/30

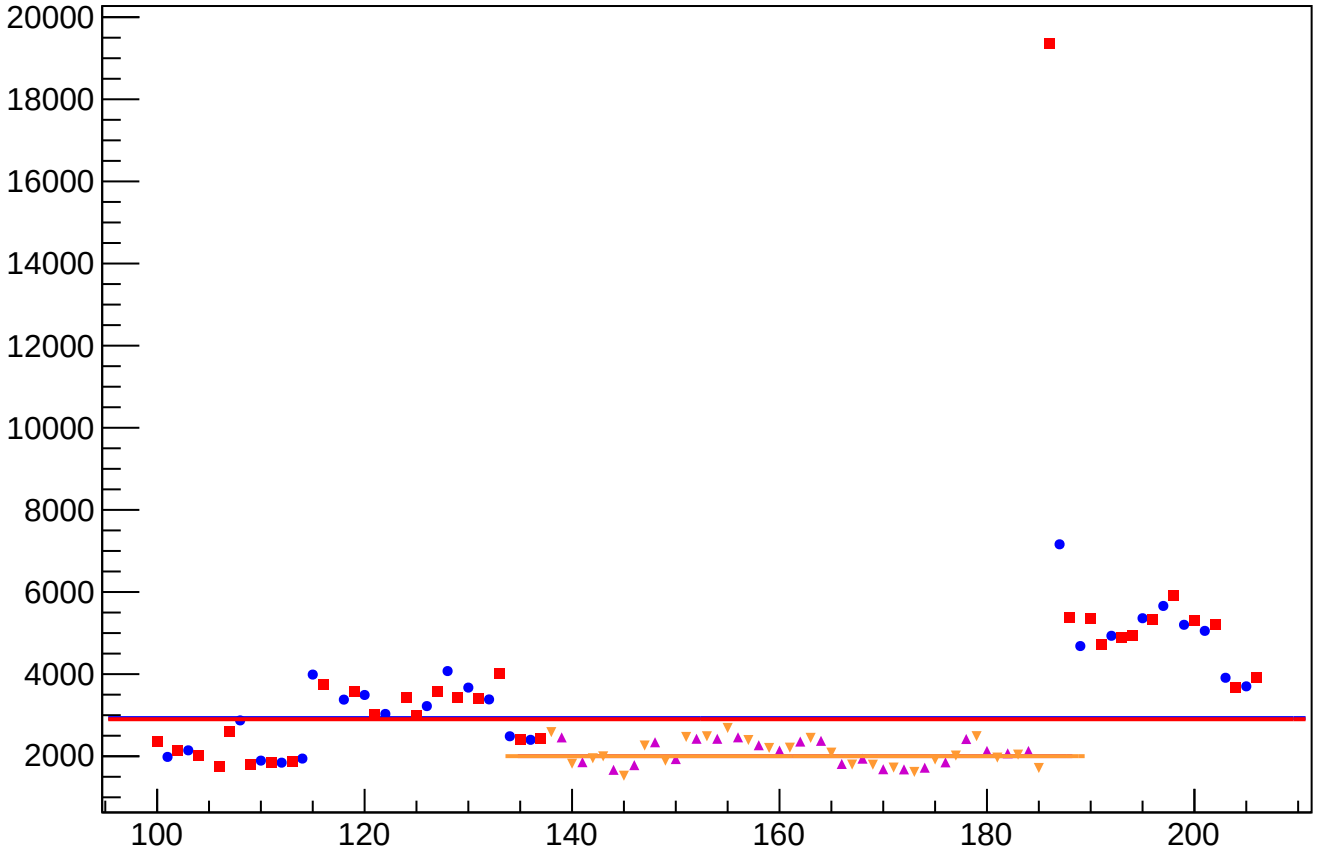
Left In: -313.745+/-474.086 χ^2/NDF:23.7/22

+ sign -1921.120+/-404.424 χ^2/NDF: 85.7/49

All: -1386.084+/-286.512 χ^2/NDF: 142.0/103

- sign -846.979+/-405.959 χ^2/NDF: 52.7/53

asym_sam4_eigen_cor_correction_rms vs Slug



Right In: 2929.120+/-0.593 χ^2/NDF: 3549035.9/24

Left Out: 2002.229+/-0.326 χ^2/NDF:892706.8/24

Right Out: 2901.747+/-0.556 χ^2/NDF: 5305613.3/30

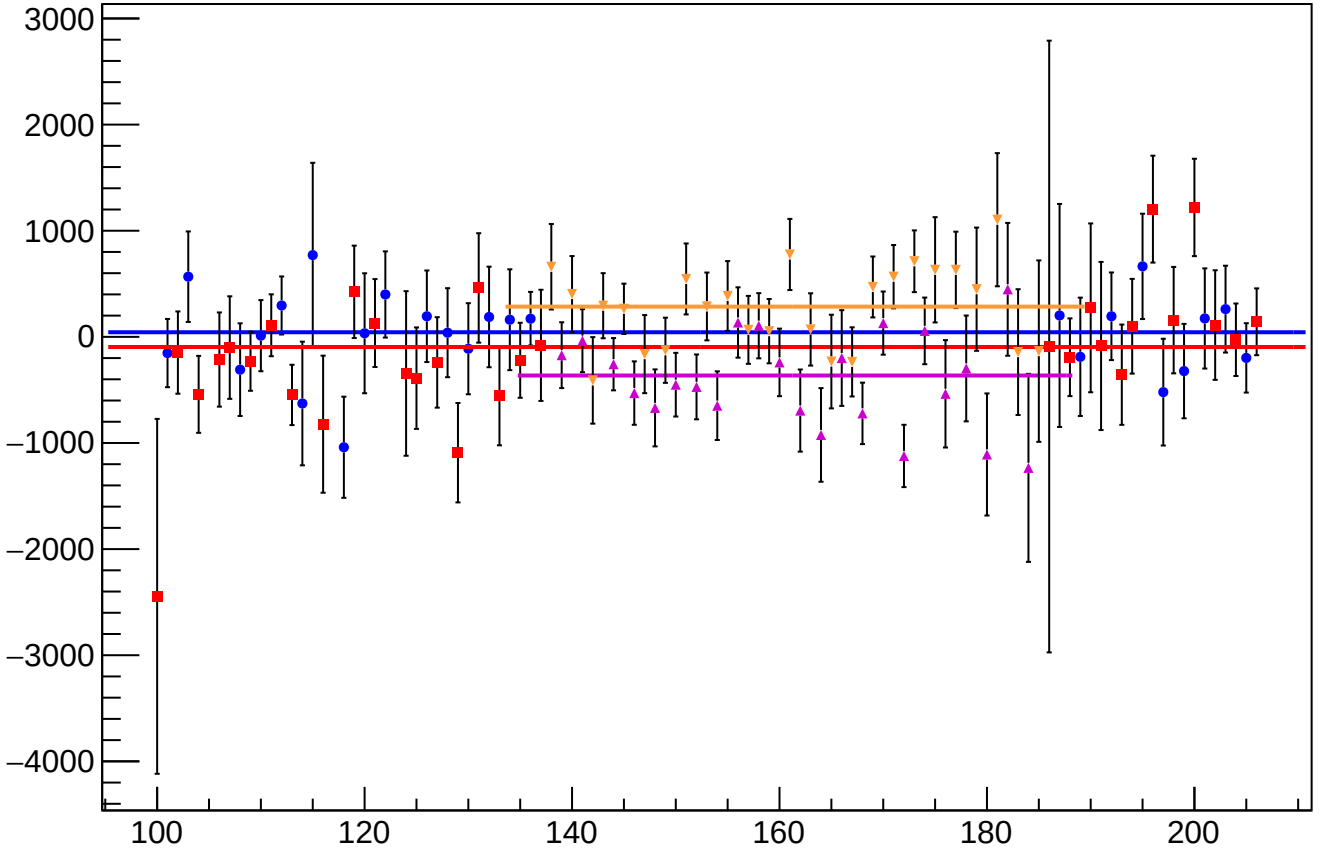
Left In: 2004.244+/-0.335 χ^2/NDF:704920.5/22

+ sign 2217.776+/-0.286 χ^2/NDF: 6316638.3/49

All: 2230.667+/-0.203 χ^2/NDF: 14243293.3/1

- sign 2243.656+/-0.287 χ^2/NDF: 7922575.4/53

dit_asym_sam4_mean vs Slug



Right In: 43.408+/-83.209 χ^2/NDF: 16.8/24

Left Out: 284.913+/-70.036 χ^2/NDF:22.8/24

Right Out: -95.575+/-77.619 χ^2/NDF: 33.9/30

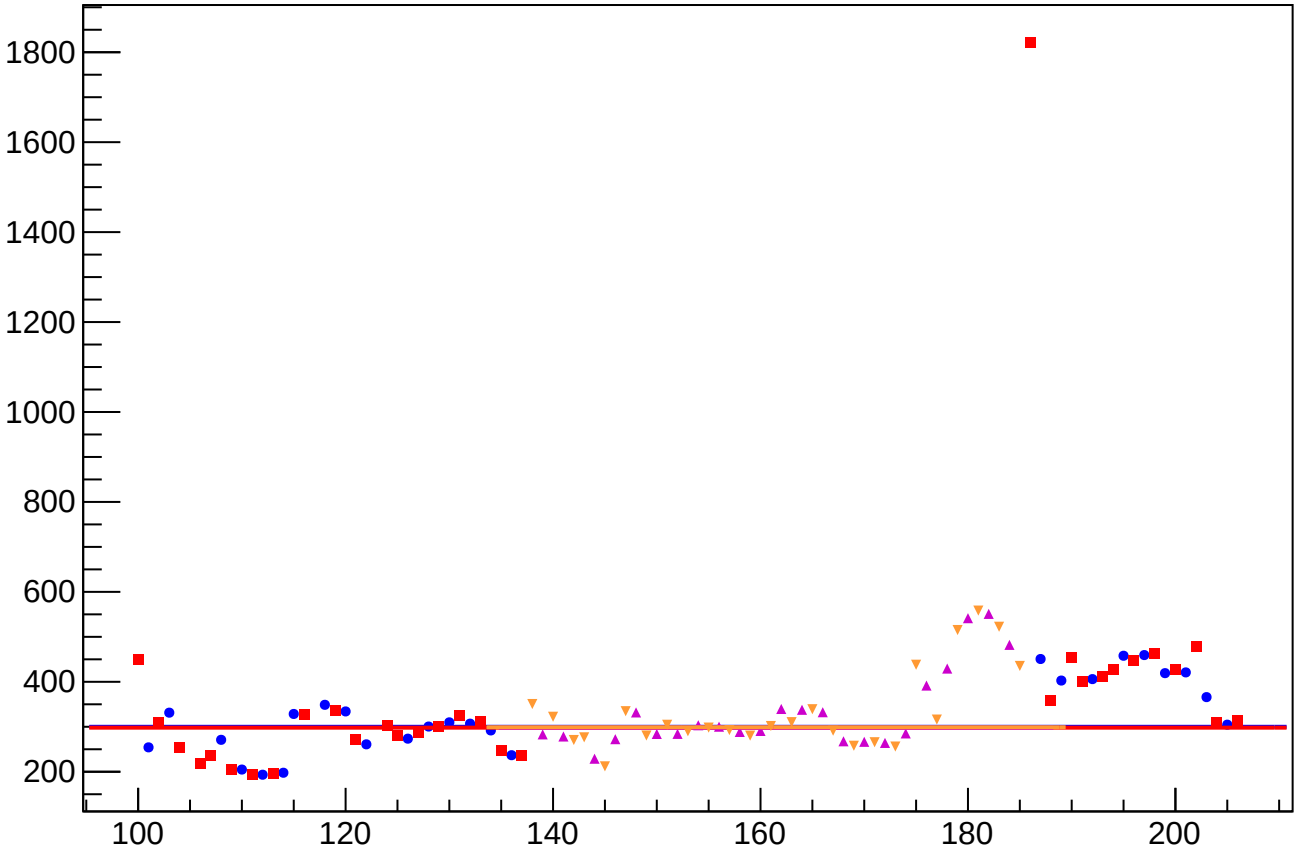
Left In: -364.163+/-71.714 χ^2/NDF:28.2/22

+ sign 184.768+/-53.582 χ^2/NDF: 44.5/49

All: -31.491+/-37.563 χ^2/NDF: 145.1/103

- sign -240.473+/-52.673 χ^2/NDF: 68.5/53

dit_asym_sam4_rms vs Slug



Right In: 299.946+/-0.059 χ^2/NDF: 1742130.1/24

Left Out: 298.938+/-0.050 χ^2/NDF:1613077.3/24

Right Out: 298.022+/-0.055 χ^2/NDF: 2806693.2/30

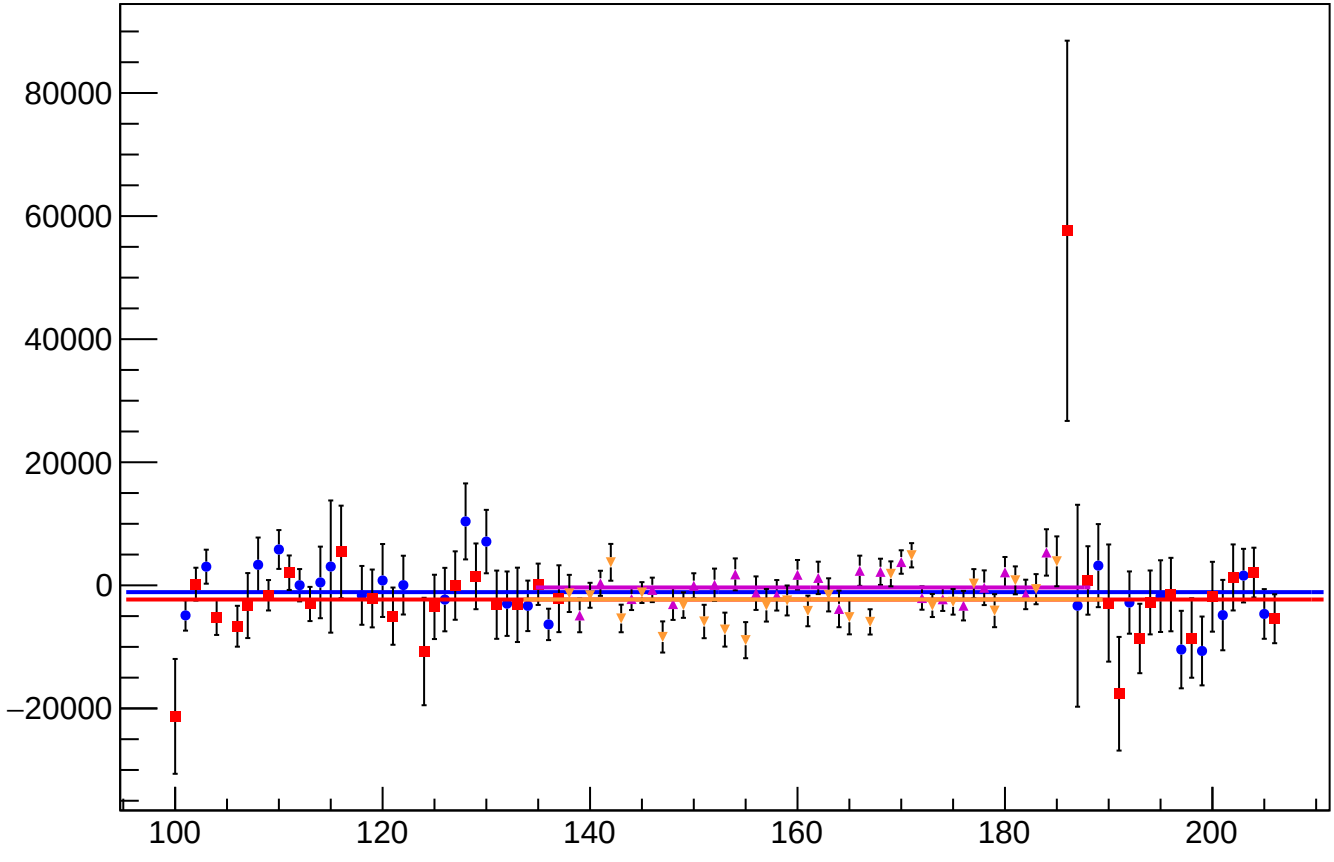
Left In: 297.885+/-0.051 χ^2/NDF:1319062.0/22

+ sign 299.356+/-0.038 χ^2/NDF: 3355379.1/49

All: 298.640+/-0.027 χ^2/NDF: 7481839.4/103

- sign 297.948+/-0.037 χ^2/NDF: 4125758.5/53

asym_sam4_dit_correction_mean vs Slug



Right In: -1103.059+/-847.509 χ^2/NDF: 28.9/24

Left Out: -2290.992+/-470.518 χ^2/NDF:51.7/24

Right Out: -2301.626+/-790.926 χ^2/NDF: 25.3/30

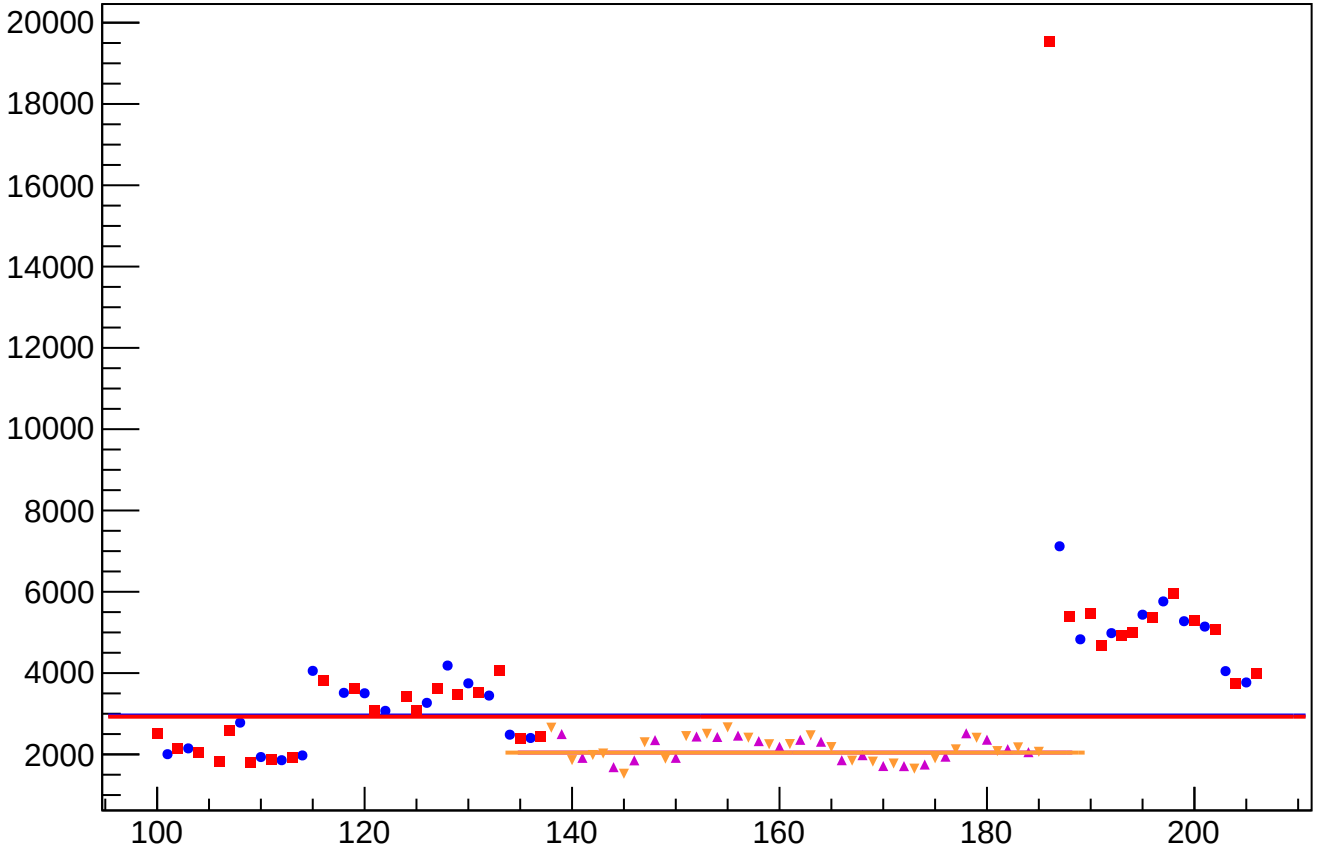
Left In: -342.609+/-483.605 χ^2/NDF:22.8/22

+ sign -2011.111+/-411.372 χ^2/NDF: 82.1/49

All: -1445.086+/-291.314 χ^2/NDF: 138.5/103

- sign -875.704+/-412.591 χ^2/NDF: 52.6/53

asym_sam4_dit_correction_rms vs Slug



Right In: 2956.484+/-0.599 χ^2/NDF: 3632654.7/24

Left Out: 2043.746+/-0.333 χ^2/NDF:853391.4/24

Right Out: 2927.608+/-0.559 χ^2/NDF: 5273423.5/30

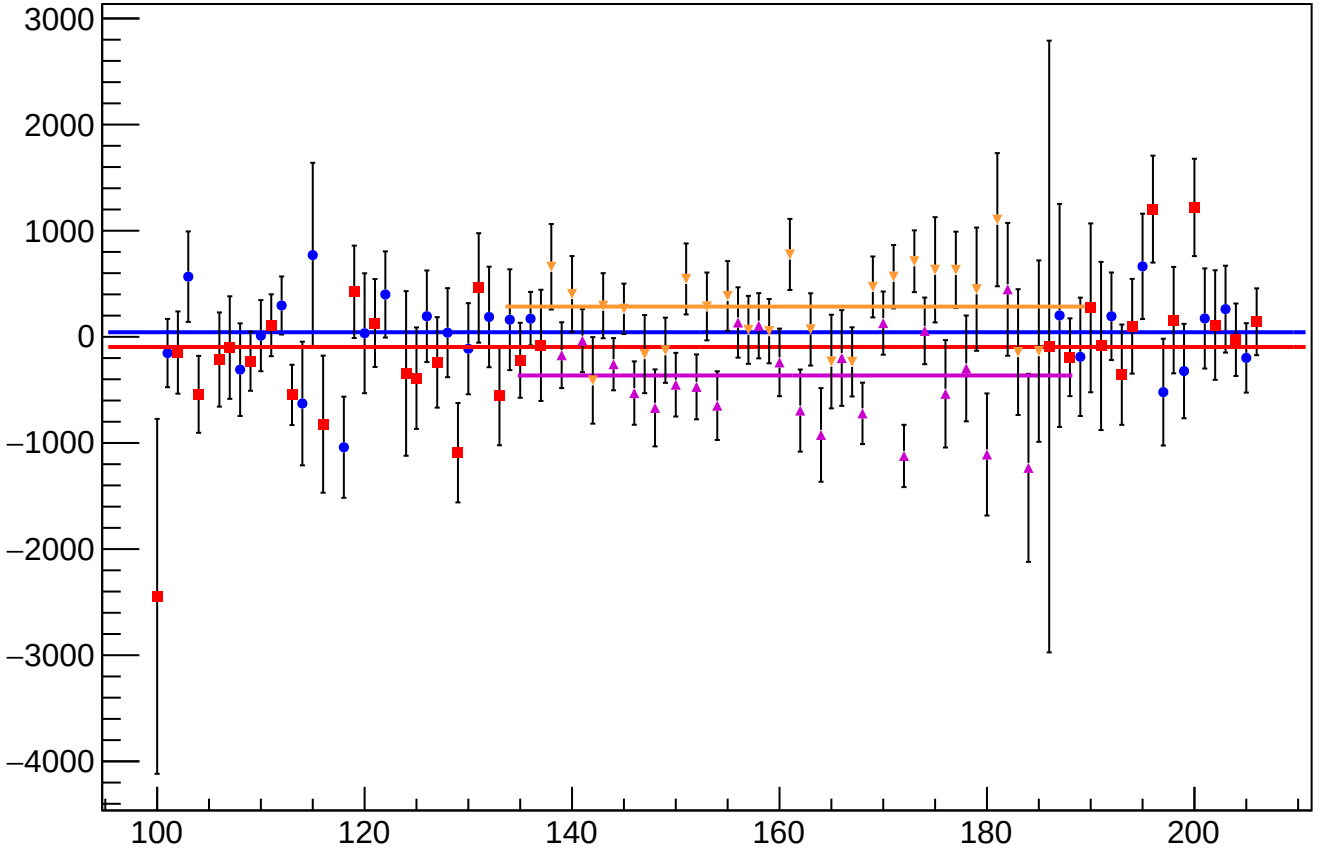
Left In: 2045.178+/-0.342 χ^2/NDF:690219.7/22

+ sign 2258.790+/-0.291 χ^2/NDF: 6259225.2/49

All: 2272.010+/-0.206 χ^2/NDF: 14039086.8/1

- sign 2285.309+/-0.292 χ^2/NDF: 7775718.2/53

eigen_dit_asym_sam4_mean vs Slug



Right In: 43.413+/-83.209 χ^2/NDF: 16.8/24

Left Out: 284.918+/-70.036 χ^2/NDF:22.8/24

Right Out: -95.575+/-77.619 χ^2/NDF: 33.9/30

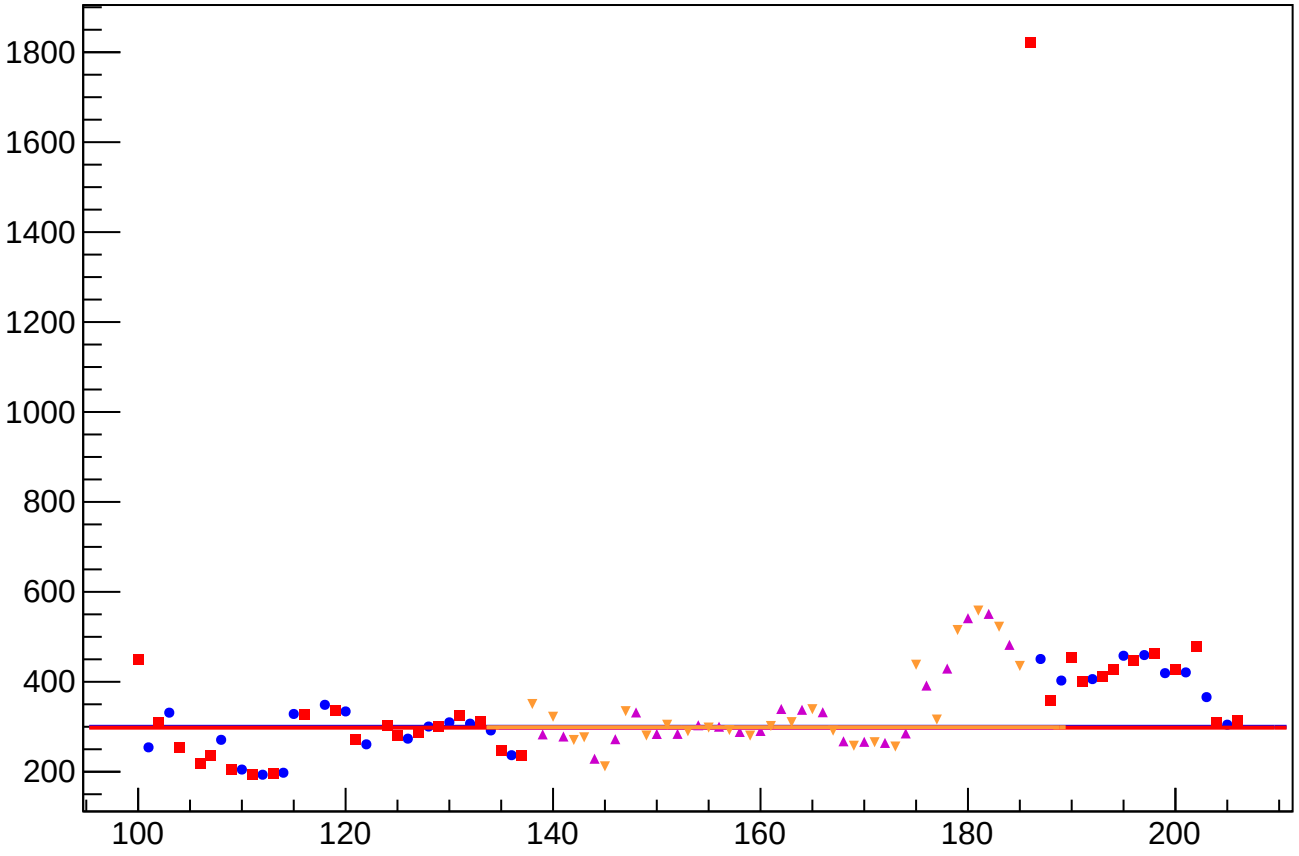
Left In: -364.164+/-71.714 χ^2/NDF:28.2/22

+ sign 184.772+/-53.582 χ^2/NDF: 44.5/49

All: -31.489+/-37.563 χ^2/NDF: 145.1/103

- sign -240.474+/-52.673 χ^2/NDF: 68.5/53

eigen_dit_asym_sam4_rms vs Slug



Right In: 299.946+/-0.059 χ^2/NDF: 1742117.1/24

Left Out: 298.938+/-0.050 χ^2/NDF:1613074.5/24

Right Out: 298.022+/-0.055 χ^2/NDF: 2806699.5/30

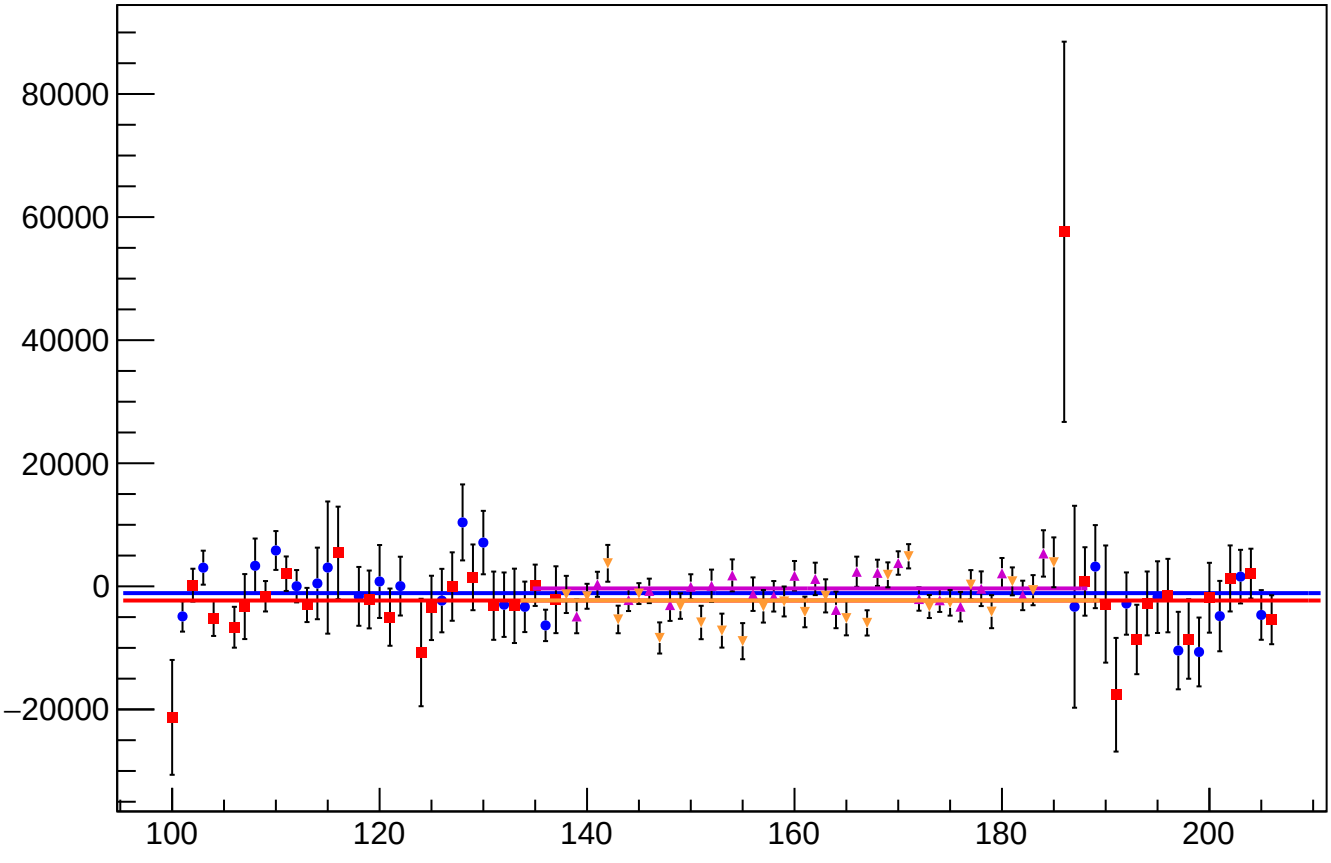
Left In: 297.885+/-0.051 χ^2/NDF:1319043.7/22

+ sign 299.356+/-0.038 χ^2/NDF: 3355363.2/49

All: 298.640+/-0.027 χ^2/NDF: 7481811.5/103

- sign 297.948+/-0.037 χ^2/NDF: 4125746.6/53

asym_sam4_eigen_dit_correction_mean vs Slug



Right In: -1103.059+/-847.508 χ^2/NDF: 28.9/24

Left Out: -2290.986+/-470.517 χ^2/NDF:51.7/24

Right Out: -2301.624+/-790.926 χ^2/NDF: 25.3/30

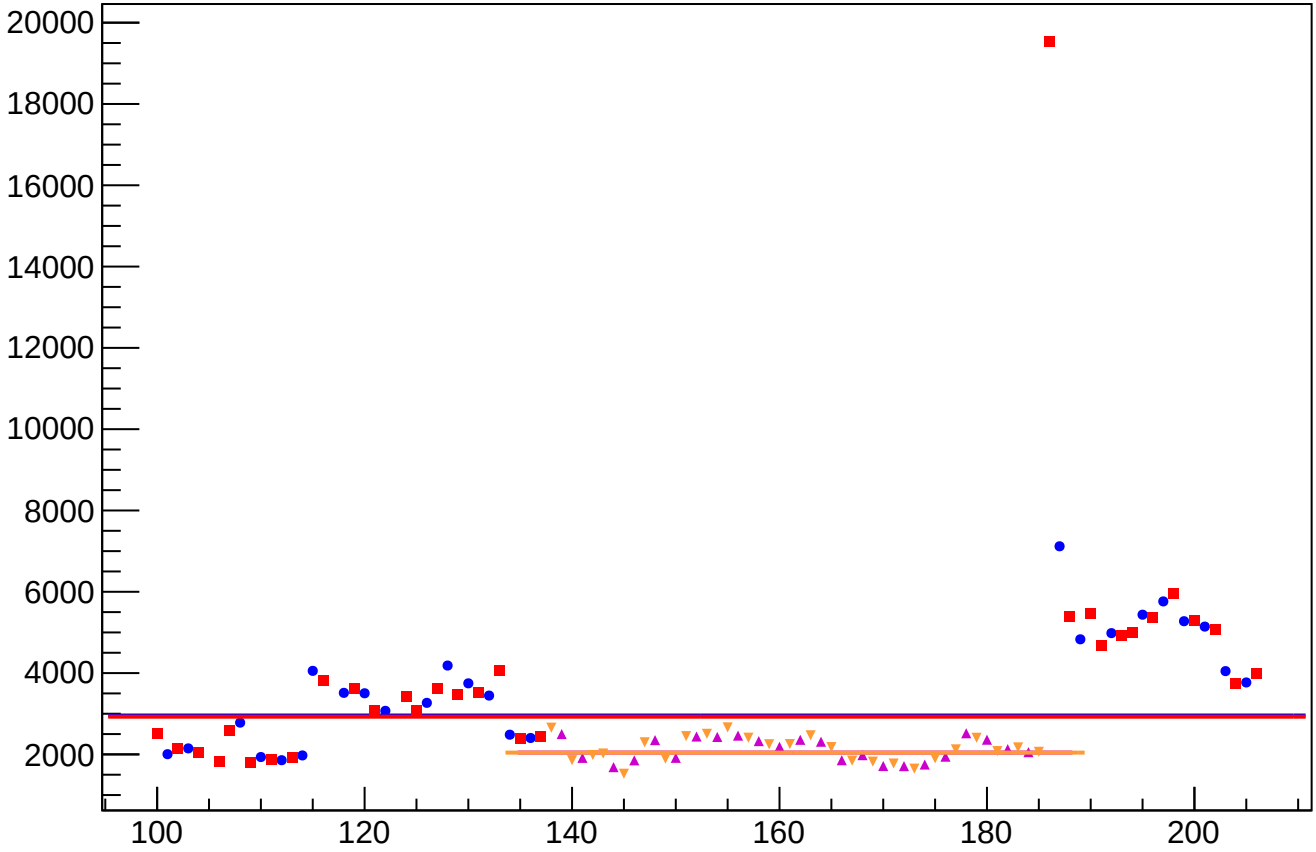
Left In: -342.606+/-483.604 χ^2/NDF:22.8/22

+ sign -2011.107+/-411.372 χ^2/NDF: 82.1/49

All: -1445.083+/-291.314 χ^2/NDF: 138.5/103

- sign -875.702+/-412.590 χ^2/NDF: 52.6/53

asym_sam4_eigen_dit_correction_rms vs Slug



Right In: 2956.482+/-0.599 χ^2/NDF: 3632651.8/24

Left Out: 2043.742+/-0.333 χ^2/NDF:853393.7/24

Right Out: 2927.606+/-0.559 χ^2/NDF: 5273419.2/30

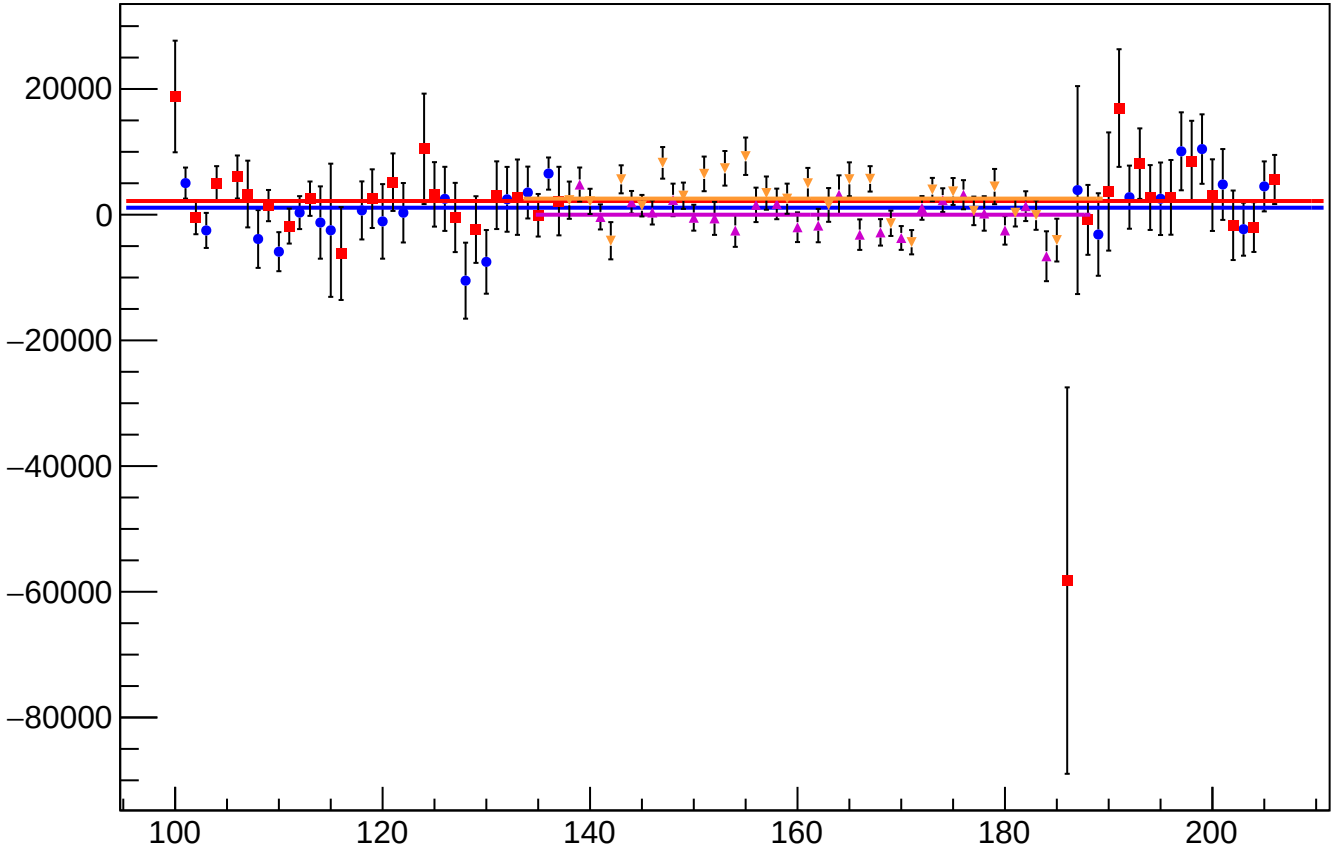
Left In: 2045.175+/-0.342 χ^2/NDF:690218.2/22

+ sign 2258.787+/-0.291 χ^2/NDF: 6259231.6/49

All: 2272.007+/-0.206 χ^2/NDF: 14039093.7/1

- sign 2285.306+/-0.292 χ^2/NDF: 7775718.7/53

asym_sam4_mean vs Slug



Right In: 1110.589+/-842.845 χ^2/NDF: 29.9/24

Left Out: 2559.048+/-465.944 χ^2/NDF:52.7/24

Right Out: 2174.384+/-789.111 χ^2/NDF: 24.1/30

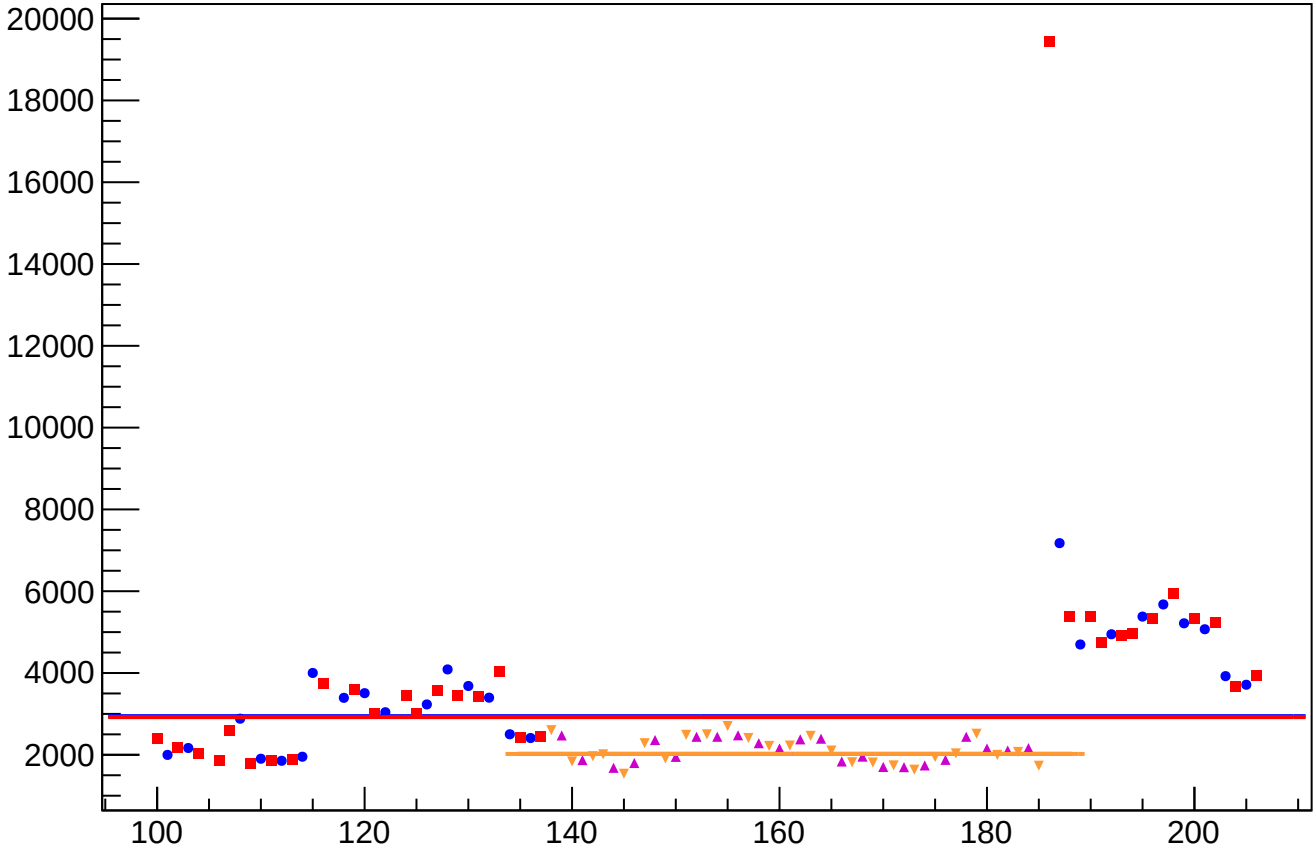
Left In: -3.474+/-478.514 χ^2/NDF:24.7/22

+ sign 2219.998+/-407.781 χ^2/NDF: 84.9/49

All: 1403.797+/-288.832 χ^2/NDF: 147.2/103

- sign 582.053+/-409.163 χ^2/NDF: 54.3/53

asym_sam4_rms vs Slug



Right In: 2945.411+/-0.596 χ^2/NDF: 3522828.3/24

Left Out: 2021.266+/-0.329 χ^2/NDF:881370.9/24

Right Out: 2921.572+/-0.558 χ^2/NDF: 5239260.6/30

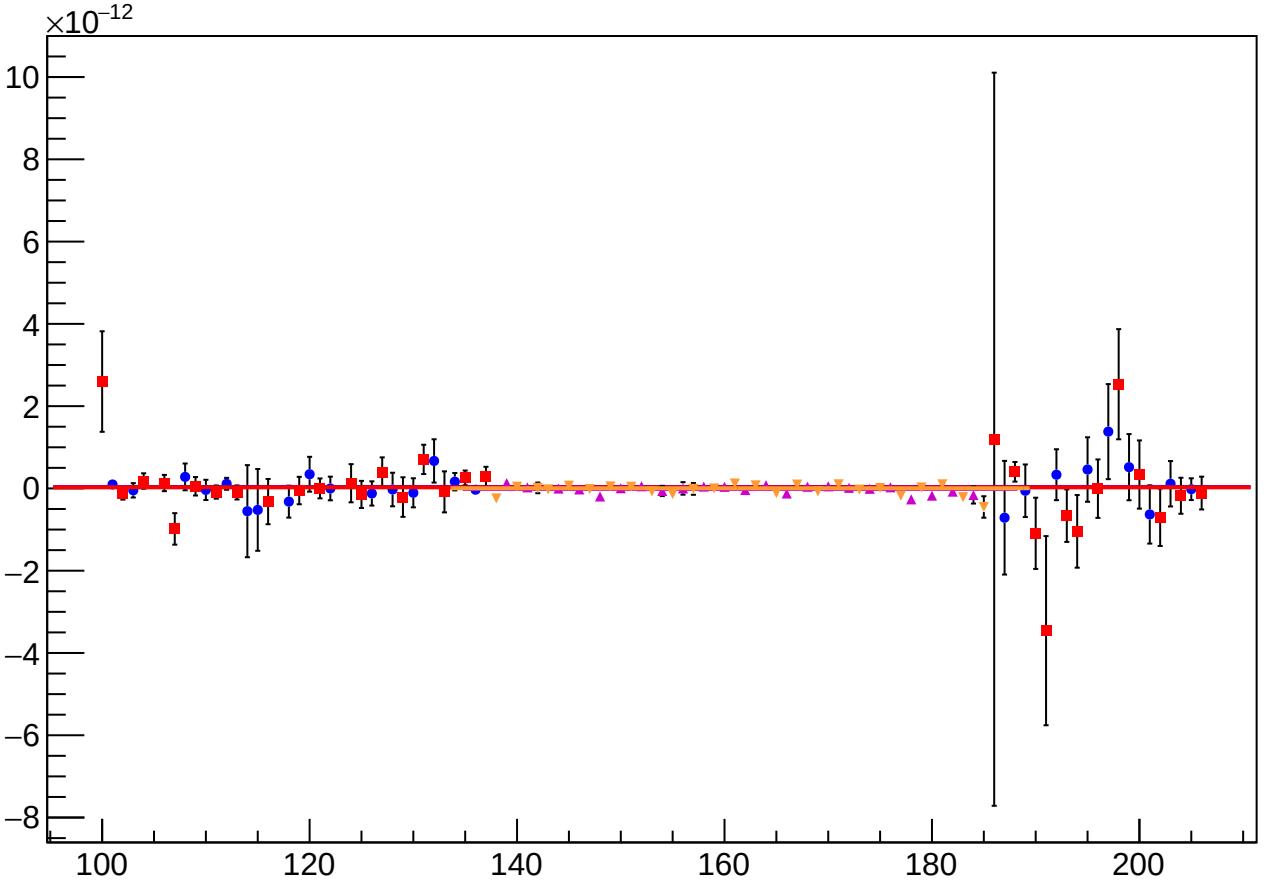
Left In: 2023.284+/-0.338 χ^2/NDF:696055.4/22

+ sign 2237.587+/-0.288 χ^2/NDF: 6245819.6/49

All: 2251.143+/-0.204 χ^2/NDF: 14080487.4/1

- sign 2264.792+/-0.289 χ^2/NDF: 7830231.8/53

asym_sam4_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 9.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.1/24

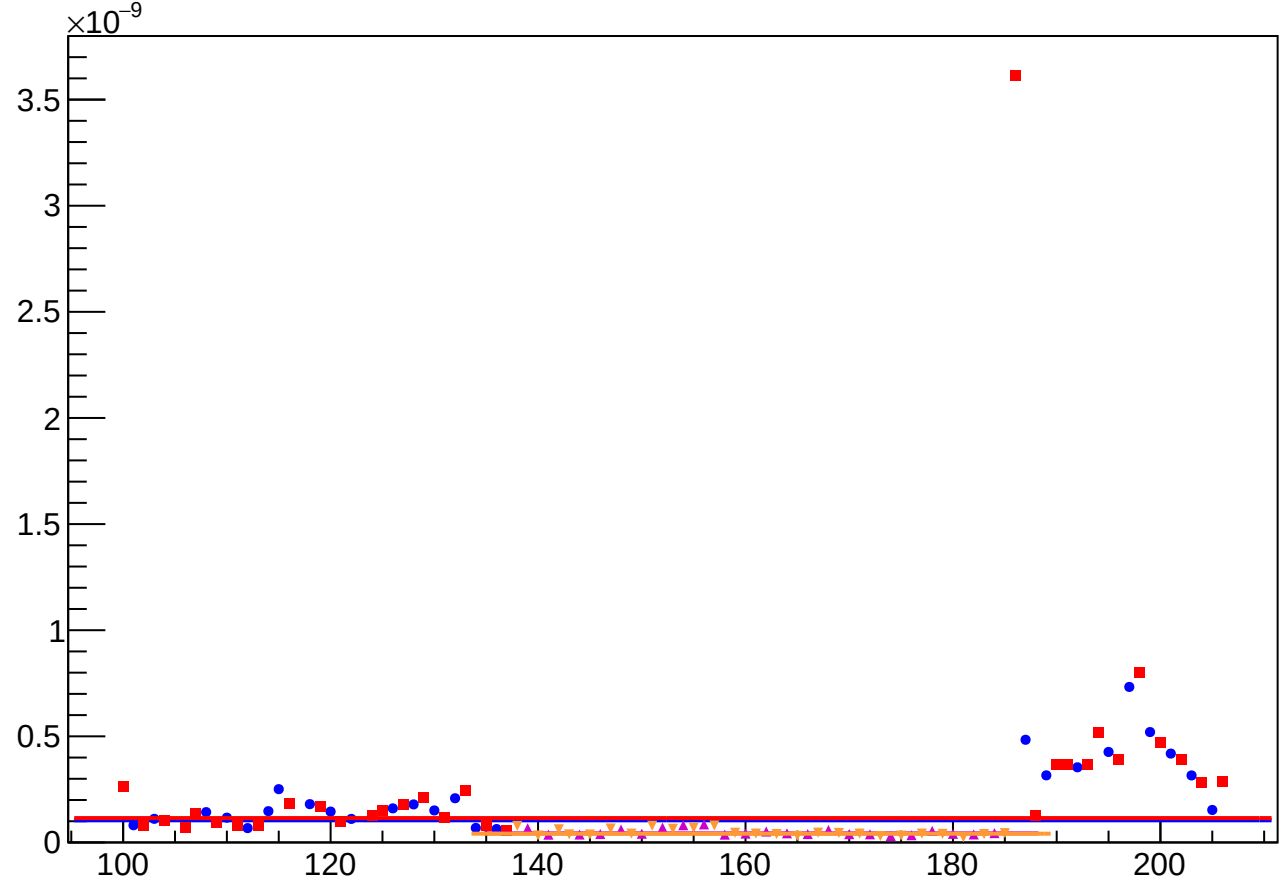
Right Out: 0.000+/-0.000 χ^2/NDF: 37.4/30

Left In: -0.000+/-0.000 χ^2/NDF:20.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.0/49

All: -0.000+/-0.000 χ^2/NDF: 101.2/103

- sign -0.000+/-0.000 χ^2/NDF: 58.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 3982295.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1235677.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4476822.0/30

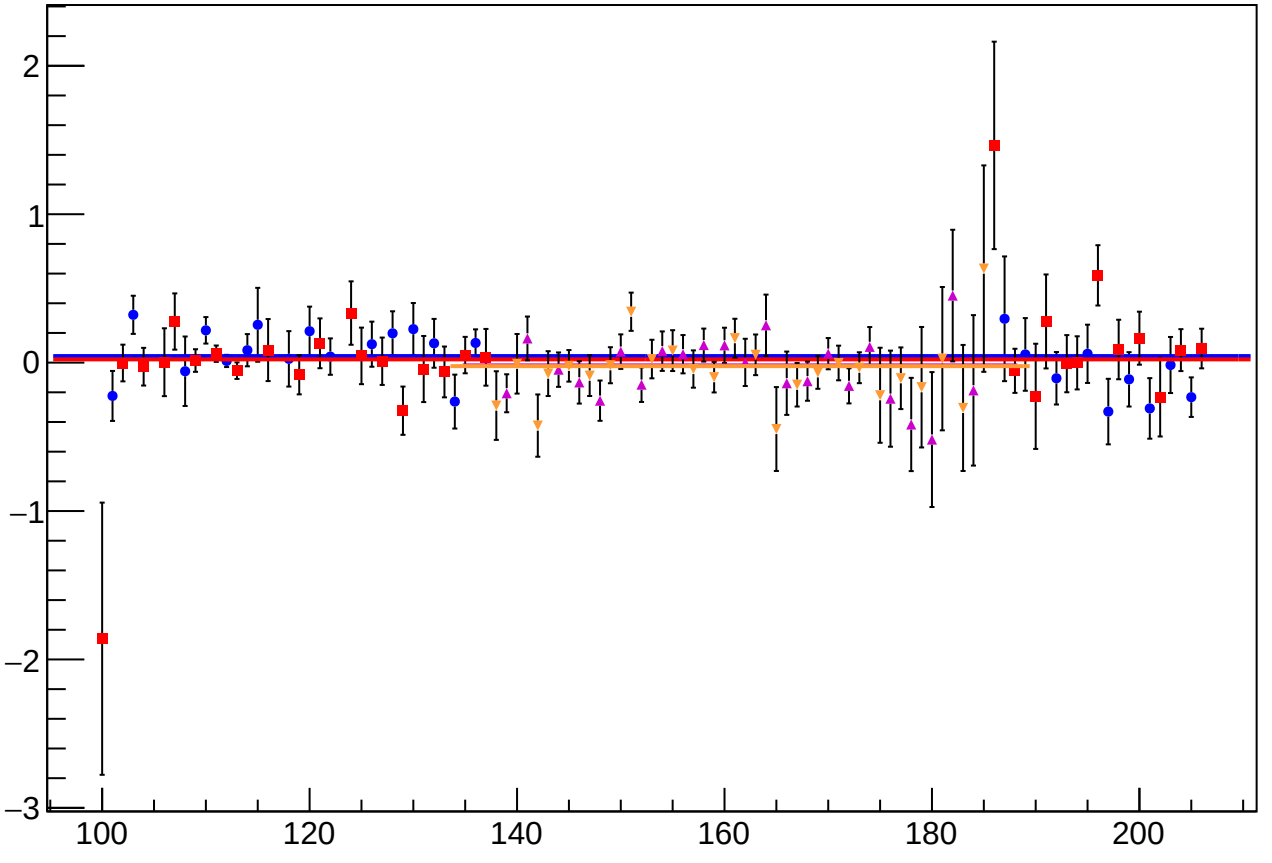
Left In: 0.000+/-0.000 χ^2/NDF:931395.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 8045821.7/49

All: 0.000+/-0.000 χ^2/NDF: 16864777.8/103

- sign 0.000+/-0.000 χ^2/NDF: 8788067.8/53

asym_sam4_dit_vs_cor_diff_mean vs Slug



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.022+/-0.024 χ^2/NDF: 32.4/30

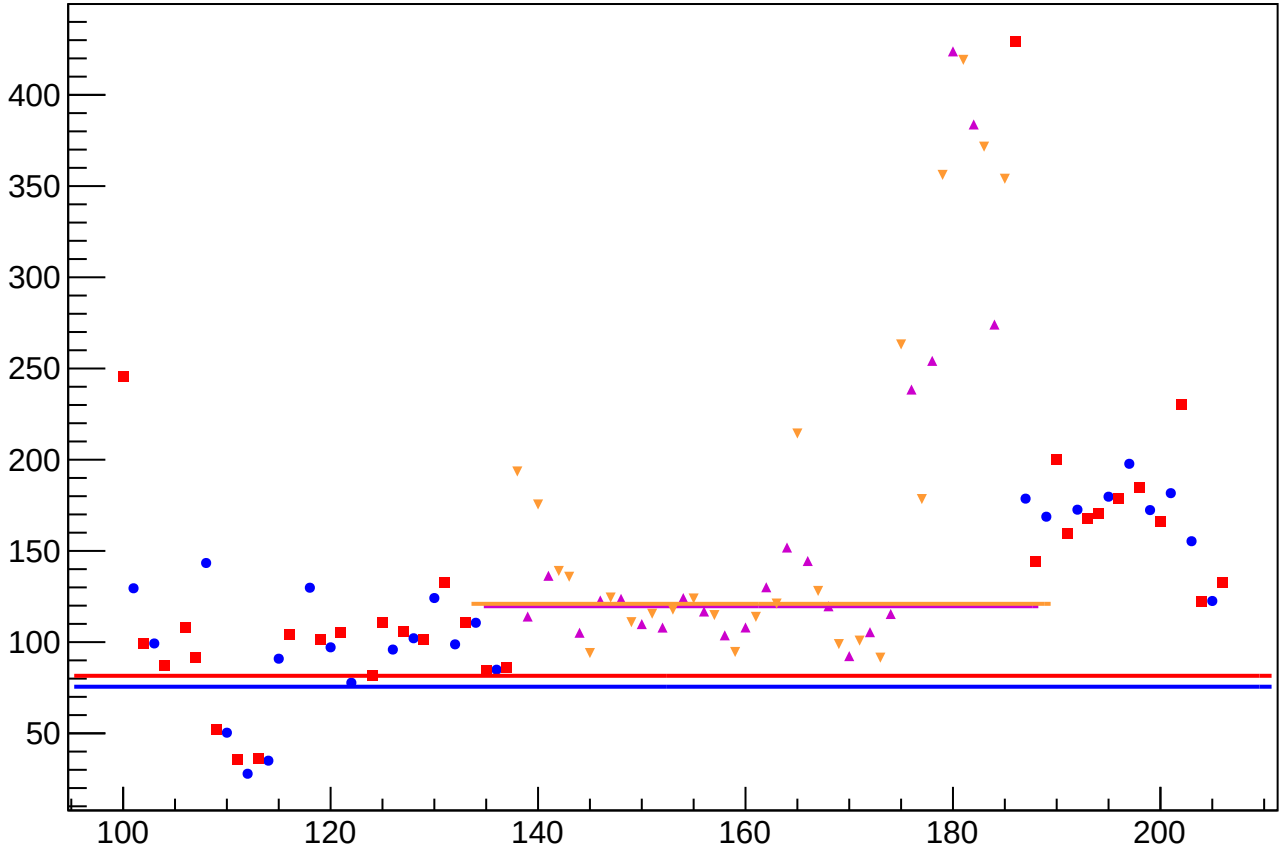
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.016+/-0.019 χ^2/NDF: 57.5/49

All: 0.011+/-0.013 χ^2/NDF: 114.2/103

- sign 0.006+/-0.019 χ^2/NDF: 56.5/53

asym_sam4_dit_vs_cor_diff_rms vs Slug



Right In: 75.555+/-0.018 χ^2/NDF: 8061125.8/24

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

Right Out: 81.538+/-0.017 χ^2/NDF: 8169497.3/30

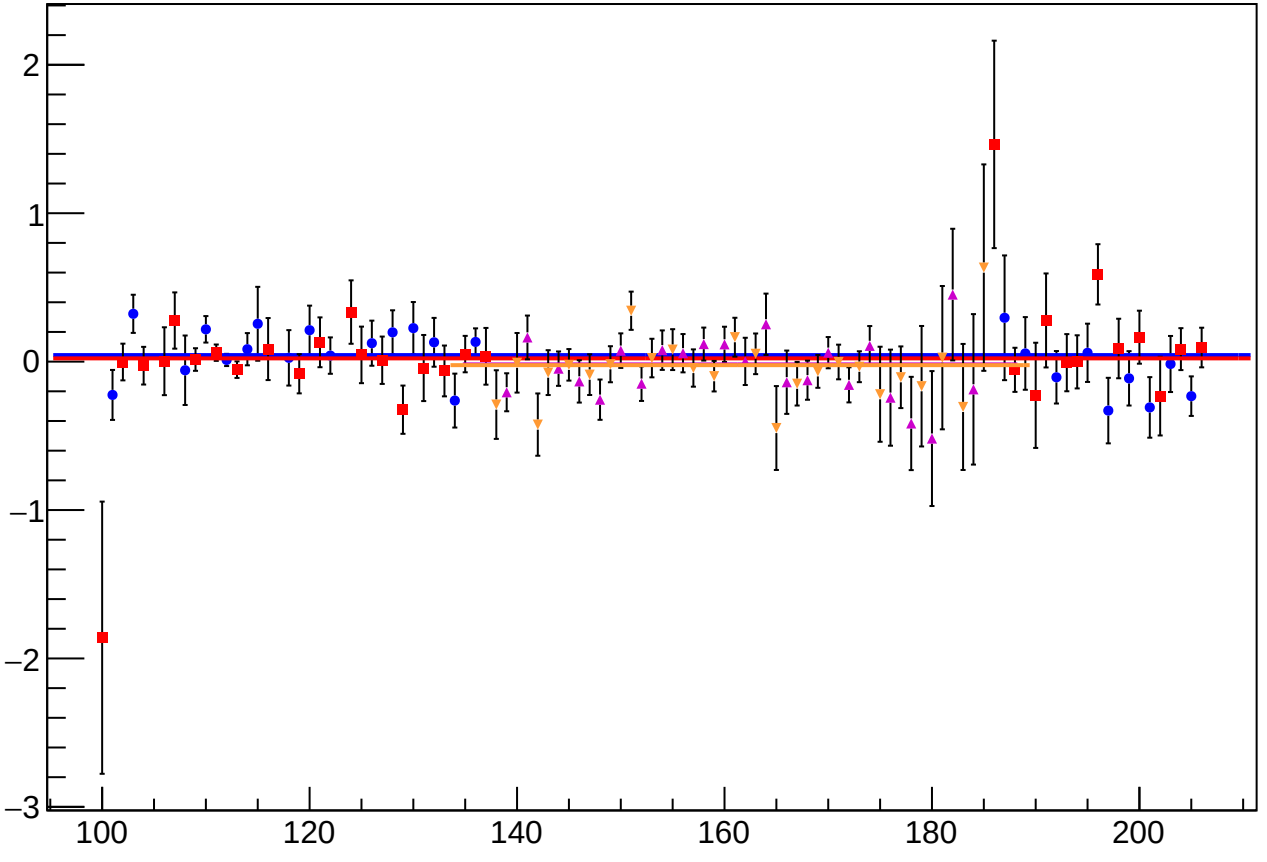
Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 94.186+/-0.014 χ^2/NDF: 14881792.0/49

All: 95.312+/-0.010 χ^2/NDF: 27846486.5/103

- sign 96.406+/-0.013 χ^2/NDF: 12951055.7/53

asym_sam4_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.022+/-0.024 χ^2/NDF: 32.4/30

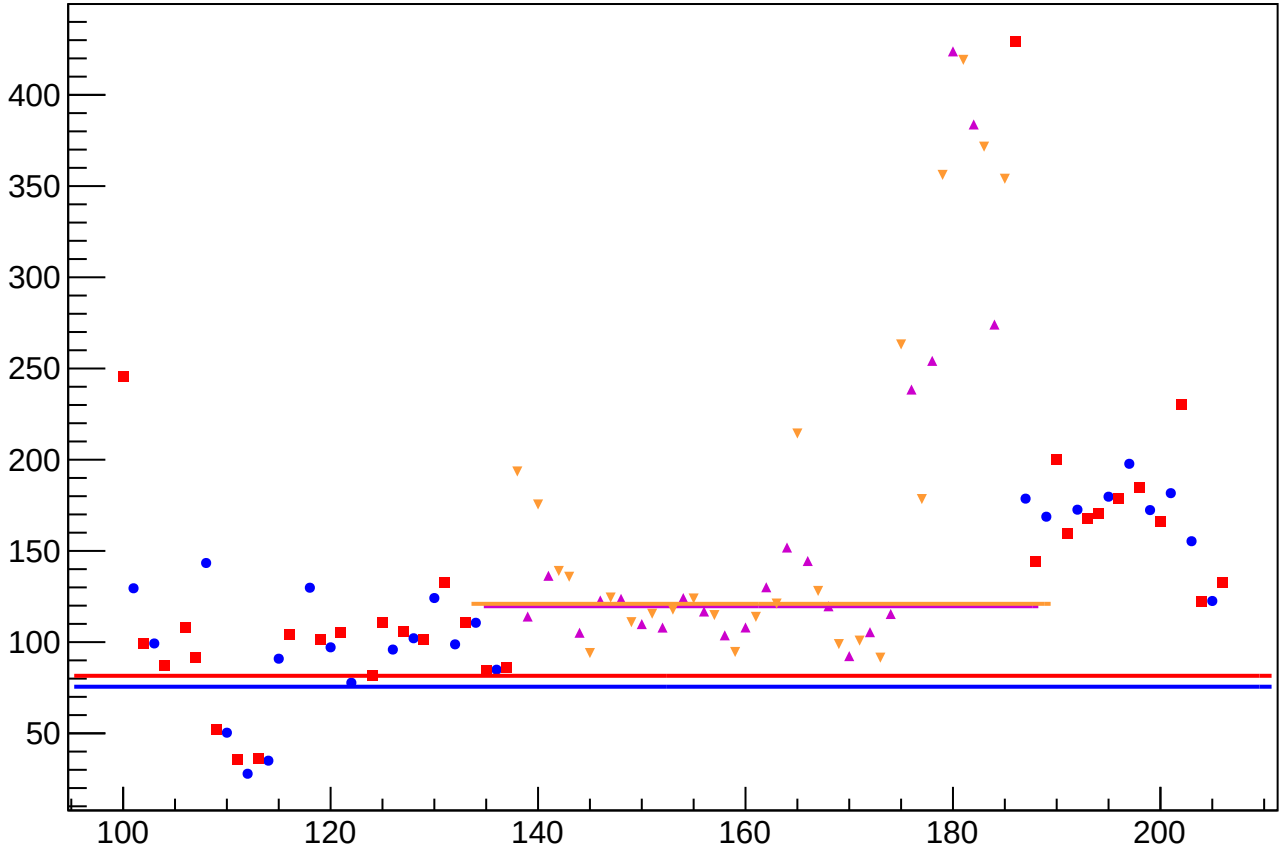
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.016+/-0.019 χ^2/NDF: 57.5/49

All: 0.011+/-0.013 χ^2/NDF: 114.2/103

- sign 0.006+/-0.019 χ^2/NDF: 56.5/53

asym_sam4_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 75.555+/-0.018 χ^2/NDF: 8061125.8/24

Left Out: 120.999+/-0.021 χ^2/NDF:4095266.9/24

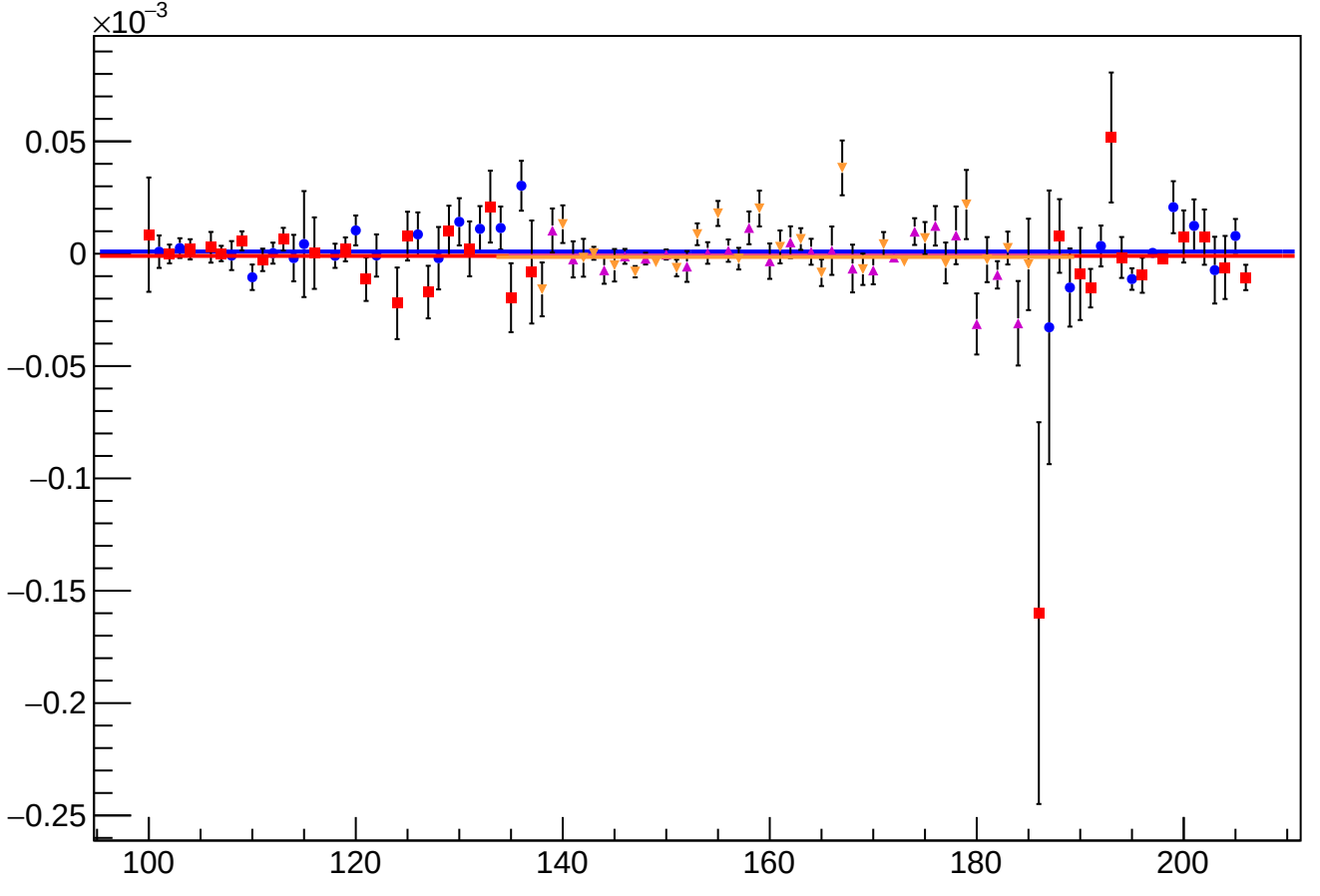
Right Out: 81.538+/-0.017 χ^2/NDF: 8169497.3/30

Left In: 119.679+/-0.021 χ^2/NDF:2838257.9/22

+ sign 94.186+/-0.014 χ^2/NDF: 14881792.0/49

All: 95.312+/-0.010 χ^2/NDF: 27846486.5/103

- sign 96.406+/-0.013 χ^2/NDF: 12951055.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 30.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:60.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 32.1/30

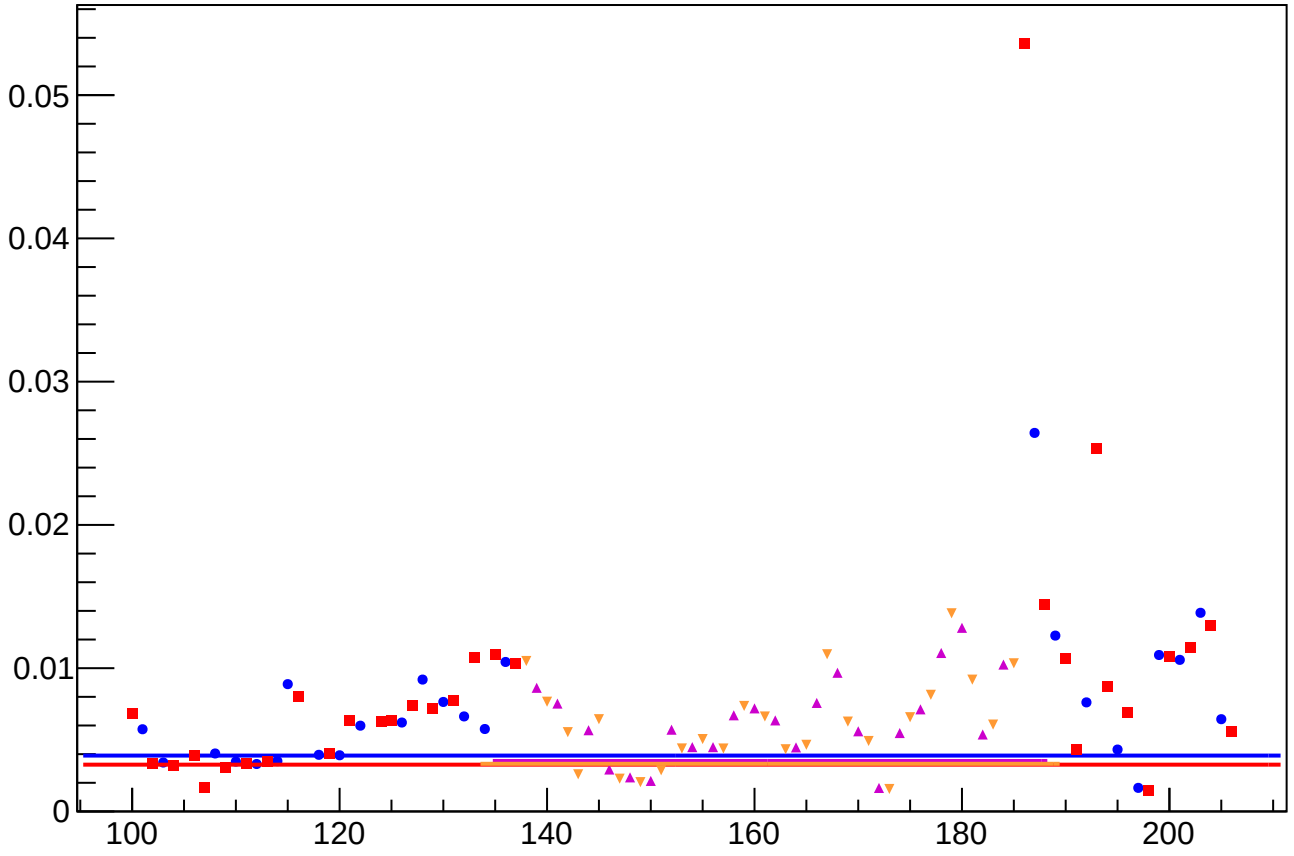
Left In: -0.000+/-0.000 χ^2/NDF:24.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 93.6/49

All: -0.000+/-0.000 χ^2/NDF: 150.2/103

- sign -0.000+/-0.000 χ^2/NDF: 56.5/53

asym_sam4_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 7703321.1/24

Left Out: 0.003+/-0.000 χ^2/NDF:10486084.0/24

Right Out: 0.003+/-0.000 χ^2/NDF: 12681272.4/30

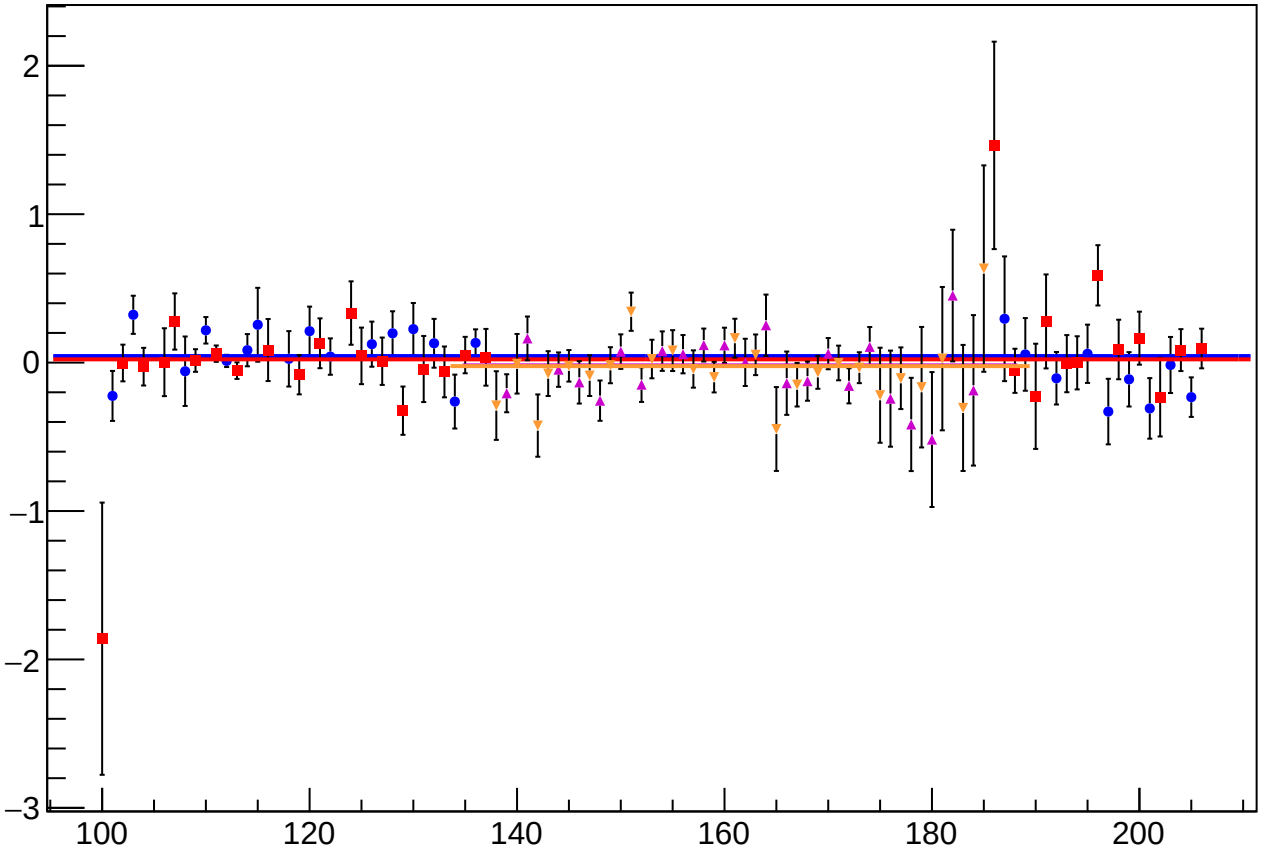
Left In: 0.004+/-0.000 χ^2/NDF:9426441.5/22

+ sign 0.004+/-0.000 χ^2/NDF: 18458000.9/49

All: 0.003+/-0.000 χ^2/NDF: 40653516.5/103

- sign 0.003+/-0.000 χ^2/NDF: 22170841.3/53

asym_sam4_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

Right Out: 0.022+/-0.024 χ^2/NDF: 32.4/30

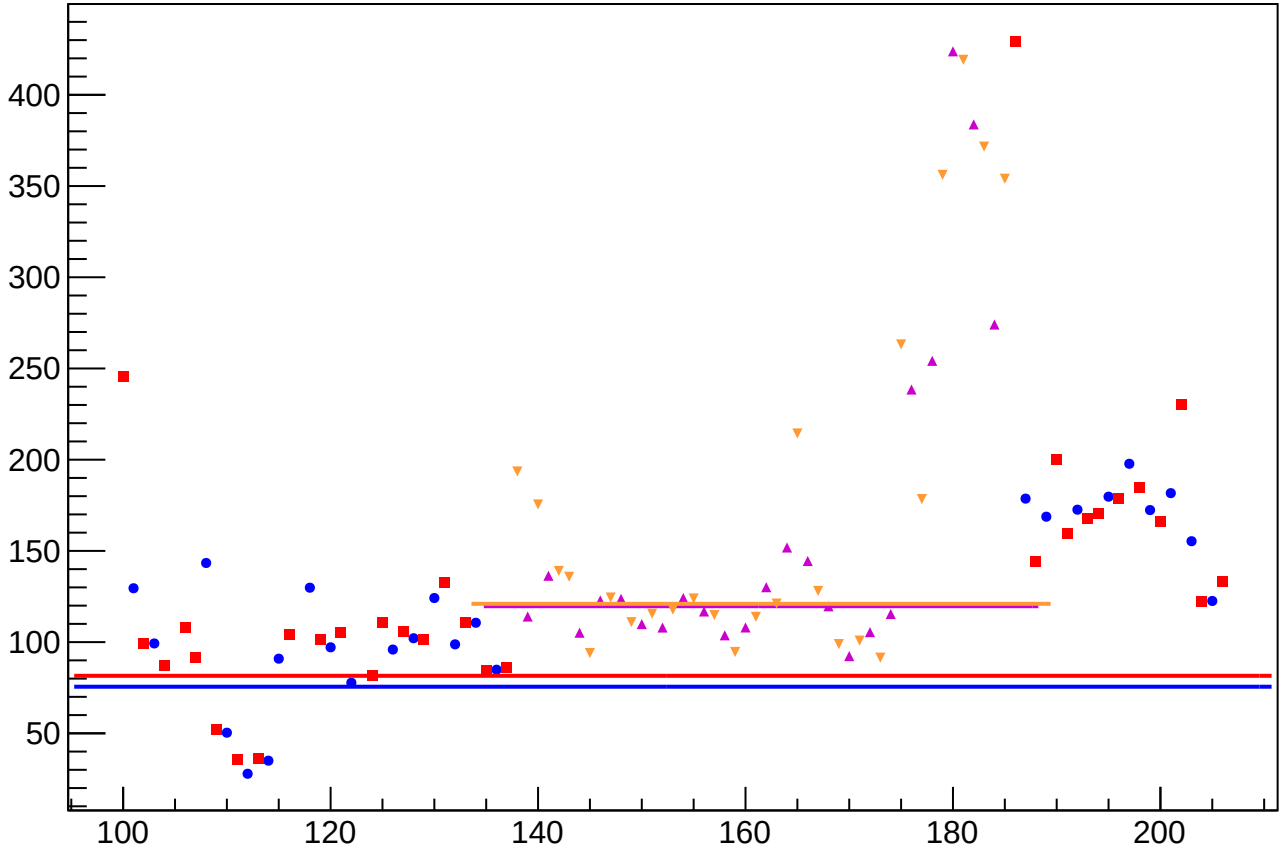
Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.016+/-0.019 χ^2/NDF: 57.5/49

All: 0.011+/-0.013 χ^2/NDF: 114.2/103

- sign 0.006+/-0.019 χ^2/NDF: 56.5/53

asym_sam4_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 75.553+/-0.018 χ^2/NDF: 8061523.3/24

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

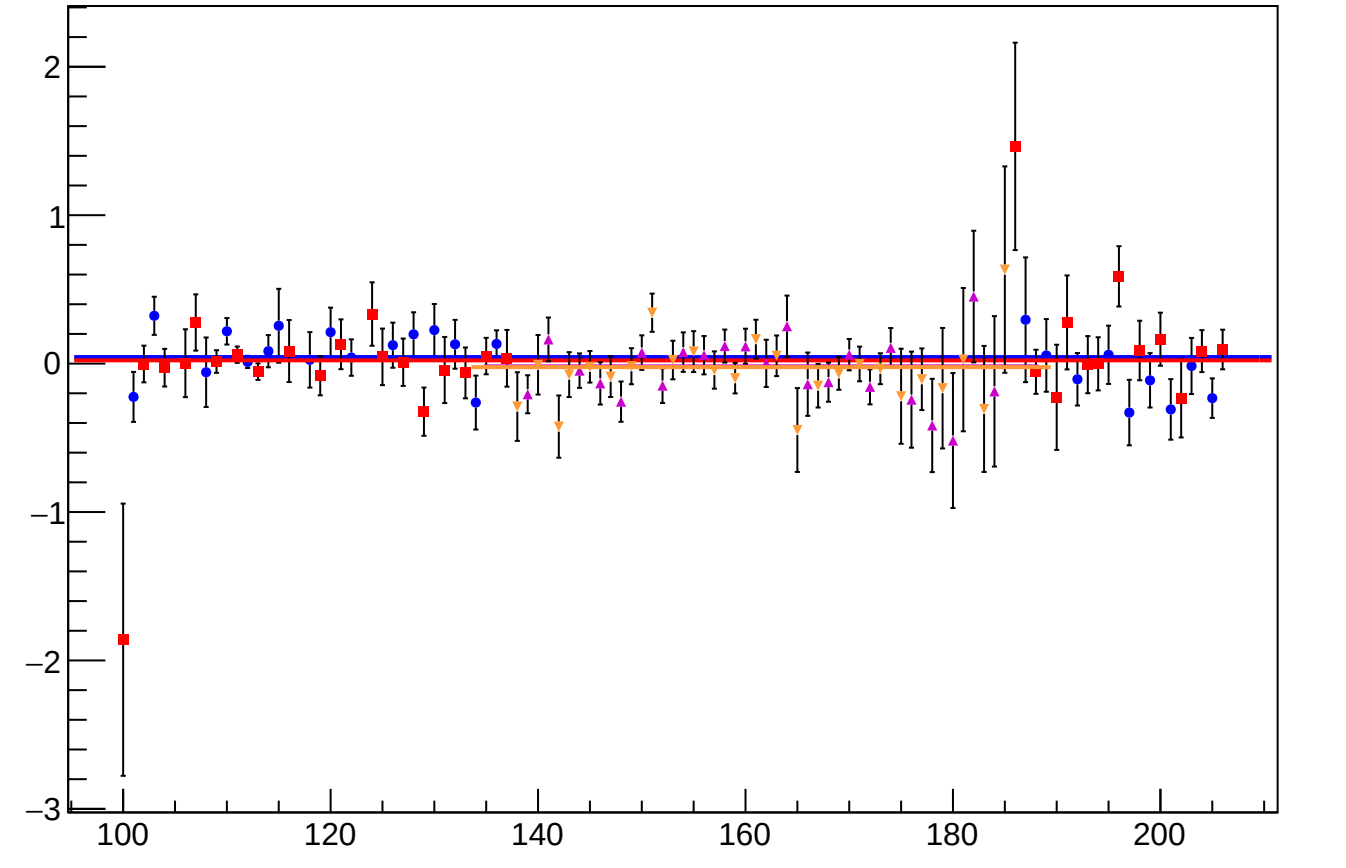
Right Out: 81.536+/-0.017 χ^2/NDF: 8169979.7/30

Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 94.184+/-0.014 χ^2/NDF: 14882549.6/49

All: 95.311+/-0.010 χ^2/NDF: 27847967.5/103

- sign 96.405+/-0.013 χ^2/NDF: 12951774.4/53



Right In: 0.044+/-0.025 χ^2/NDF: 32.3/24

Left Out: -0.024+/-0.030 χ^2/NDF:22.2/24

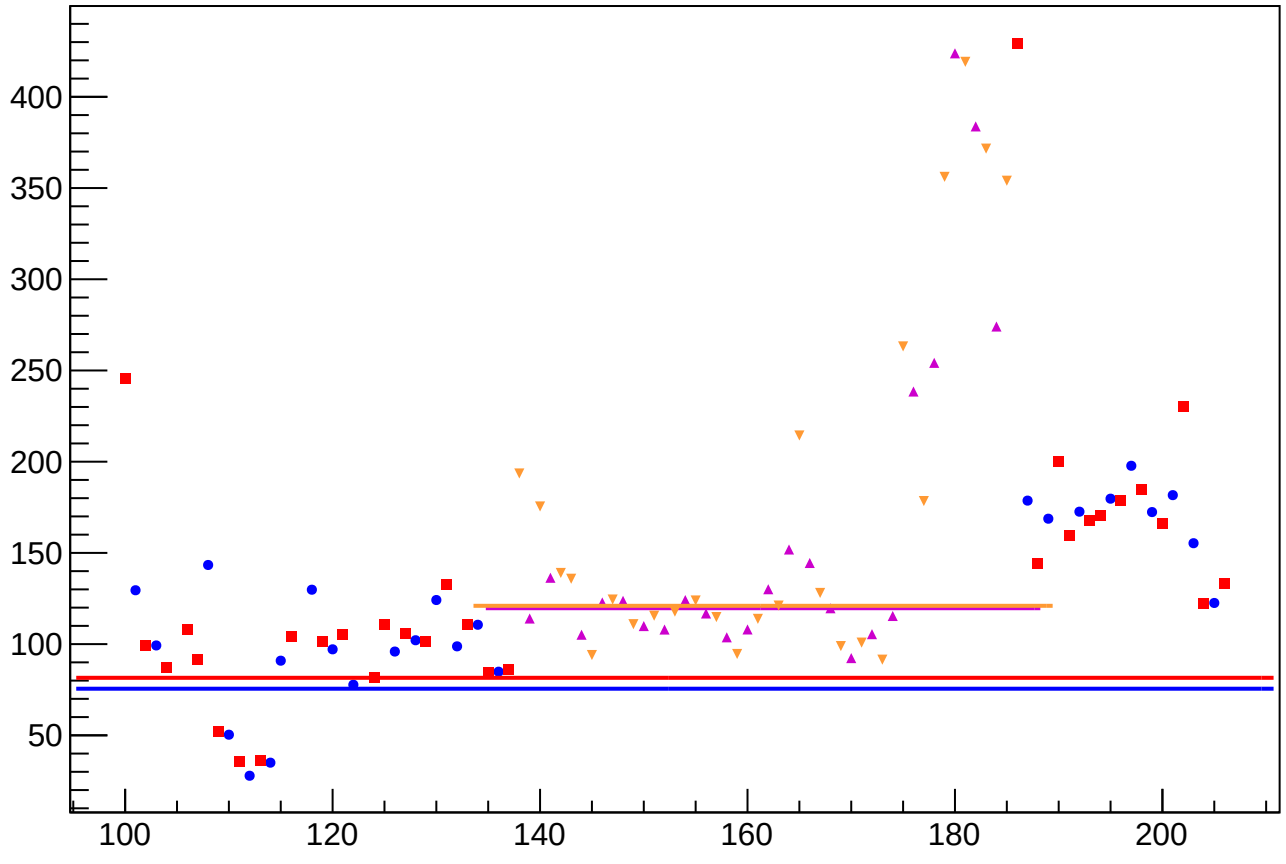
Right Out: 0.022+/-0.024 χ^2/NDF: 32.4/30

Left In: -0.019+/-0.030 χ^2/NDF:23.0/22

+ sign 0.016+/-0.019 χ^2/NDF: 57.5/49

All: 0.011+/-0.013 χ^2/NDF: 114.2/103

- sign 0.006+/-0.019 χ^2/NDF: 56.5/53



Right In: 75.553+/-0.018 χ^2/NDF: 8061523.3/24

Left Out: 121.000+/-0.021 χ^2/NDF:4095210.5/24

Right Out: 81.536+/-0.017 χ^2/NDF: 8169979.7/30

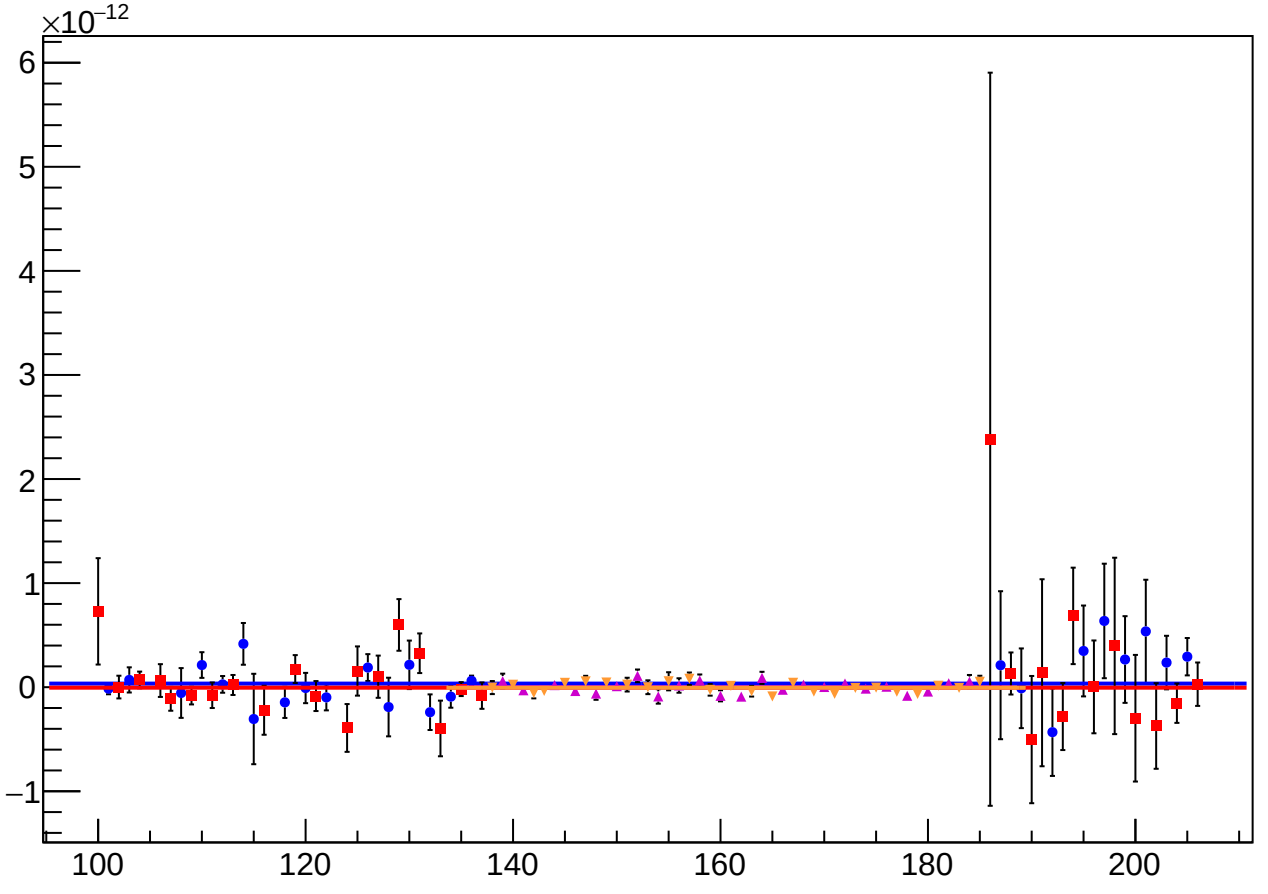
Left In: 119.680+/-0.021 χ^2/NDF:2838196.2/22

+ sign 94.184+/-0.014 χ^2/NDF: 14882549.6/49

All: 95.311+/-0.010 χ^2/NDF: 27847967.5/103

- sign 96.405+/-0.013 χ^2/NDF: 12951774.4/53

asym_sam4_eigen_cor_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 24.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:22.2/24

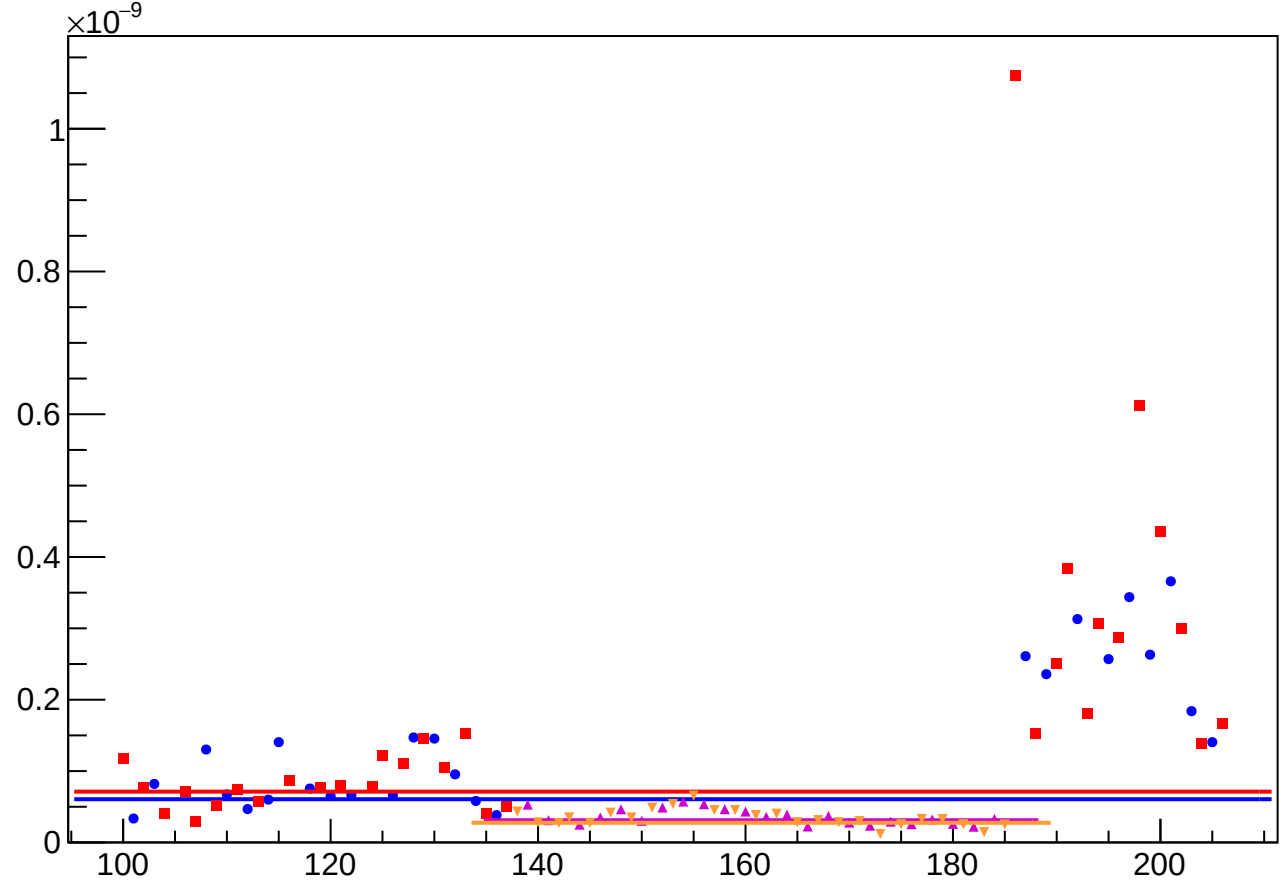
Right Out: -0.000+/-0.000 χ^2/NDF: 29.7/30

Left In: -0.000+/-0.000 χ^2/NDF:27.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 48.5/49

All: -0.000+/-0.000 χ^2/NDF: 105.7/103

- sign -0.000+/-0.000 χ^2/NDF: 57.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 6155958.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:3691738.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6778787.7/30

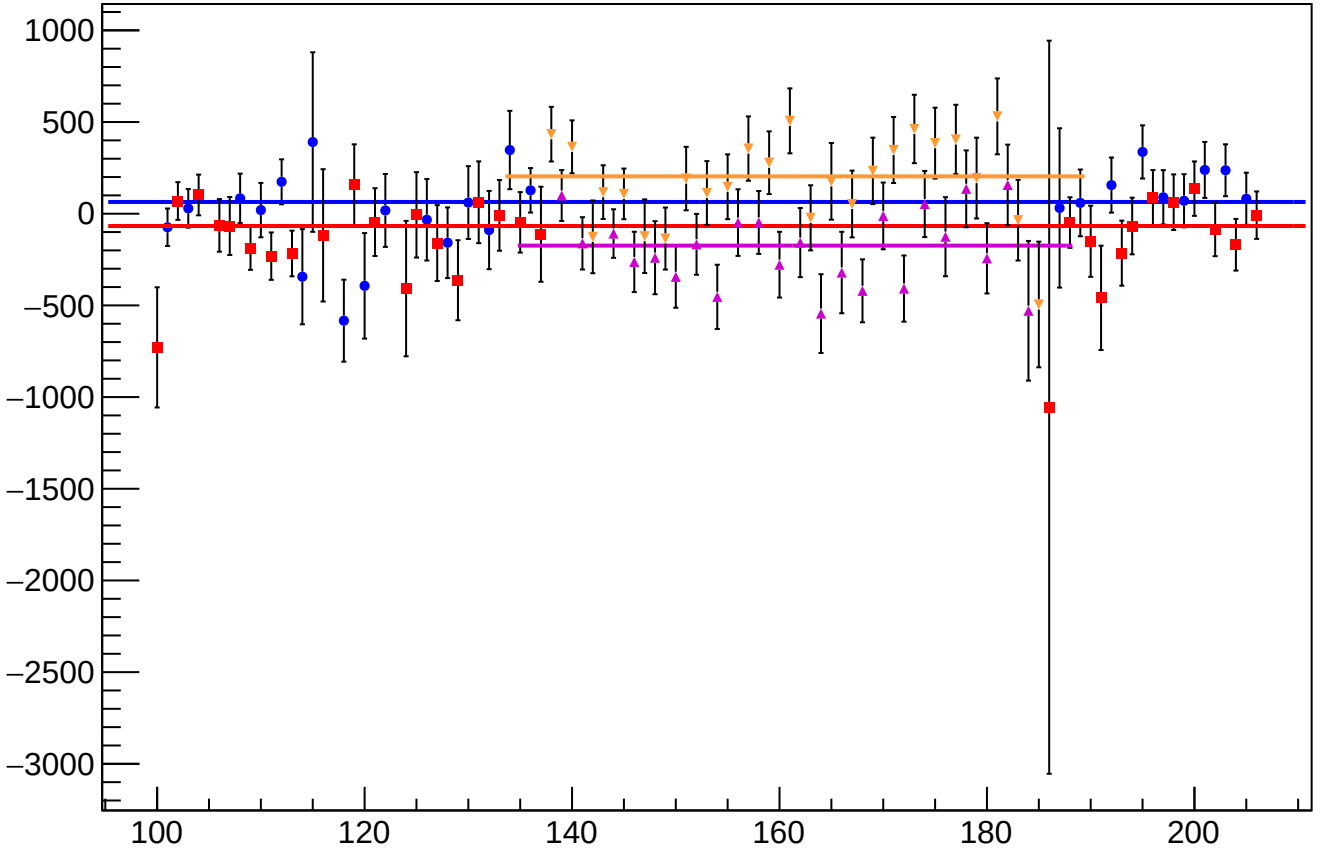
Left In: 0.000+/-0.000 χ^2/NDF:1937733.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12893382.1/49

All: 0.000+/-0.000 χ^2/NDF: 25711988.9/103

- sign 0.000+/-0.000 χ^2/NDF: 12533859.4/53

reg_asym_sam5_mean vs Slug



Right In: 64.093+/-31.991 χ^2/NDF: 27.6/24

Left Out: 203.760+/-35.878 χ^2/NDF:32.9/24

Right Out: -67.035+/-29.474 χ^2/NDF: 24.2/30

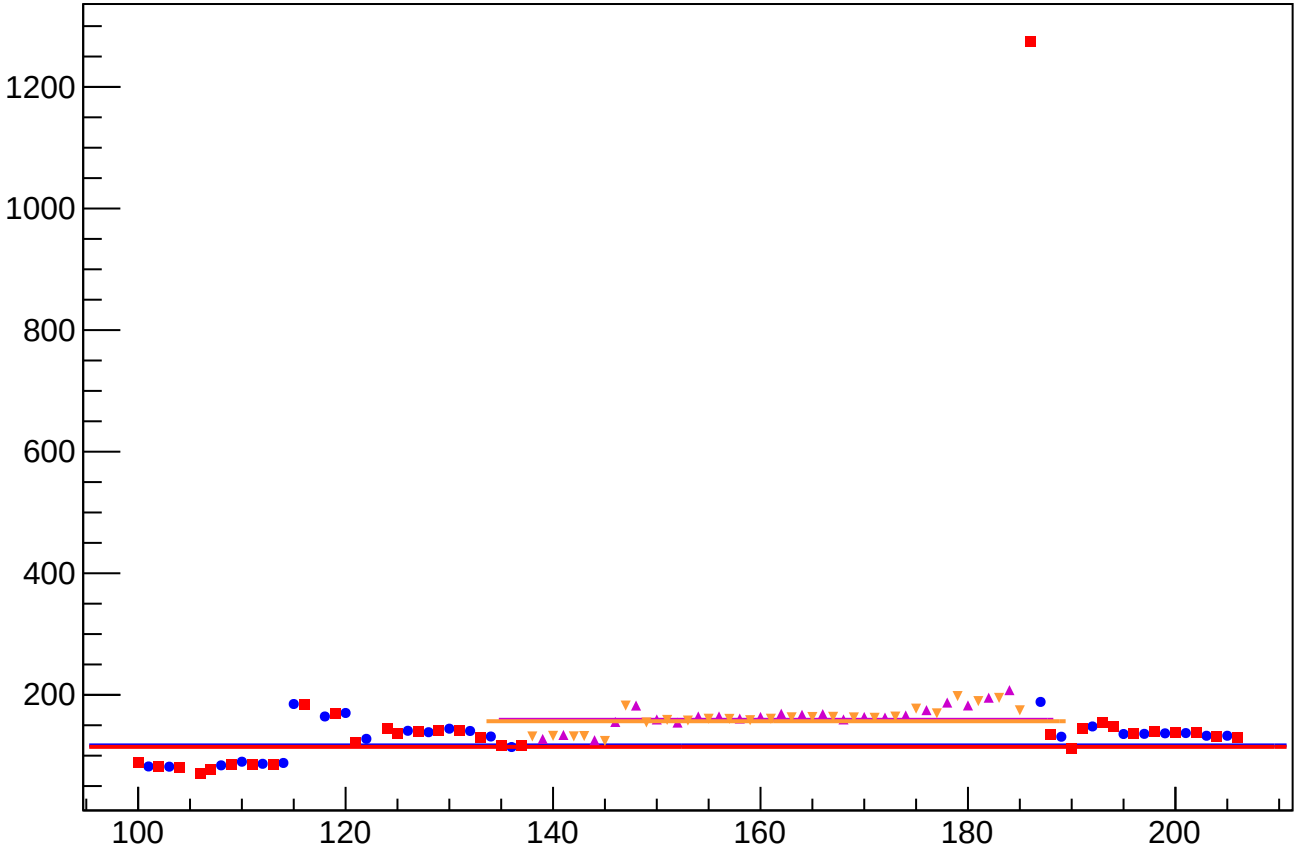
Left In: -173.974+/-37.405 χ^2/NDF:24.5/22

+ sign 125.955+/-23.878 χ^2/NDF: 68.9/49

All: 5.363+/-16.621 χ^2/NDF: 172.2/103

- sign -107.999+/-23.151 χ^2/NDF: 53.8/53

reg_asym_sam5_rms vs Slug



Right In: 116.837+/-0.023 χ^2/NDF: 1450386.3/24

Left Out: 156.638+/-0.025 χ^2/NDF:582414.4/24

Right Out: 114.478+/-0.021 χ^2/NDF: 2554133.7/30

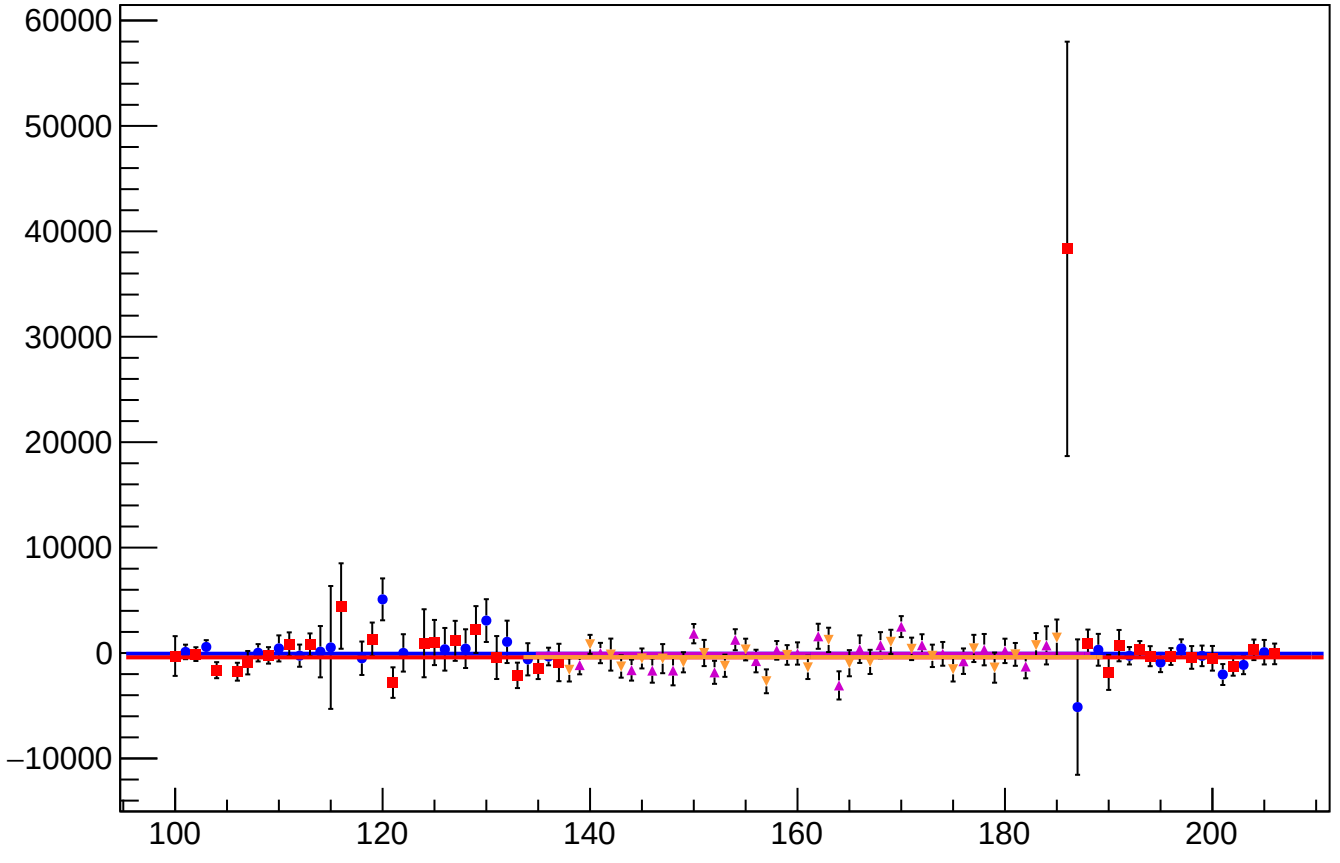
Left In: 158.952+/-0.026 χ^2/NDF:511321.2/22

+ sign 134.466+/-0.017 χ^2/NDF: 3403905.3/49

All: 132.944+/-0.012 χ^2/NDF: 8229419.3/103

- sign 131.514+/-0.016 χ^2/NDF: 4809754.8/53

asym_sam5_reg_correction_mean vs Slug



Right In: -64.517+/-222.594 χ^2/NDF: 18.5/24

Left Out: -380.690+/-224.554 χ^2/NDF:18.7/24

Right Out: -412.916+/-202.754 χ^2/NDF: 27.9/30

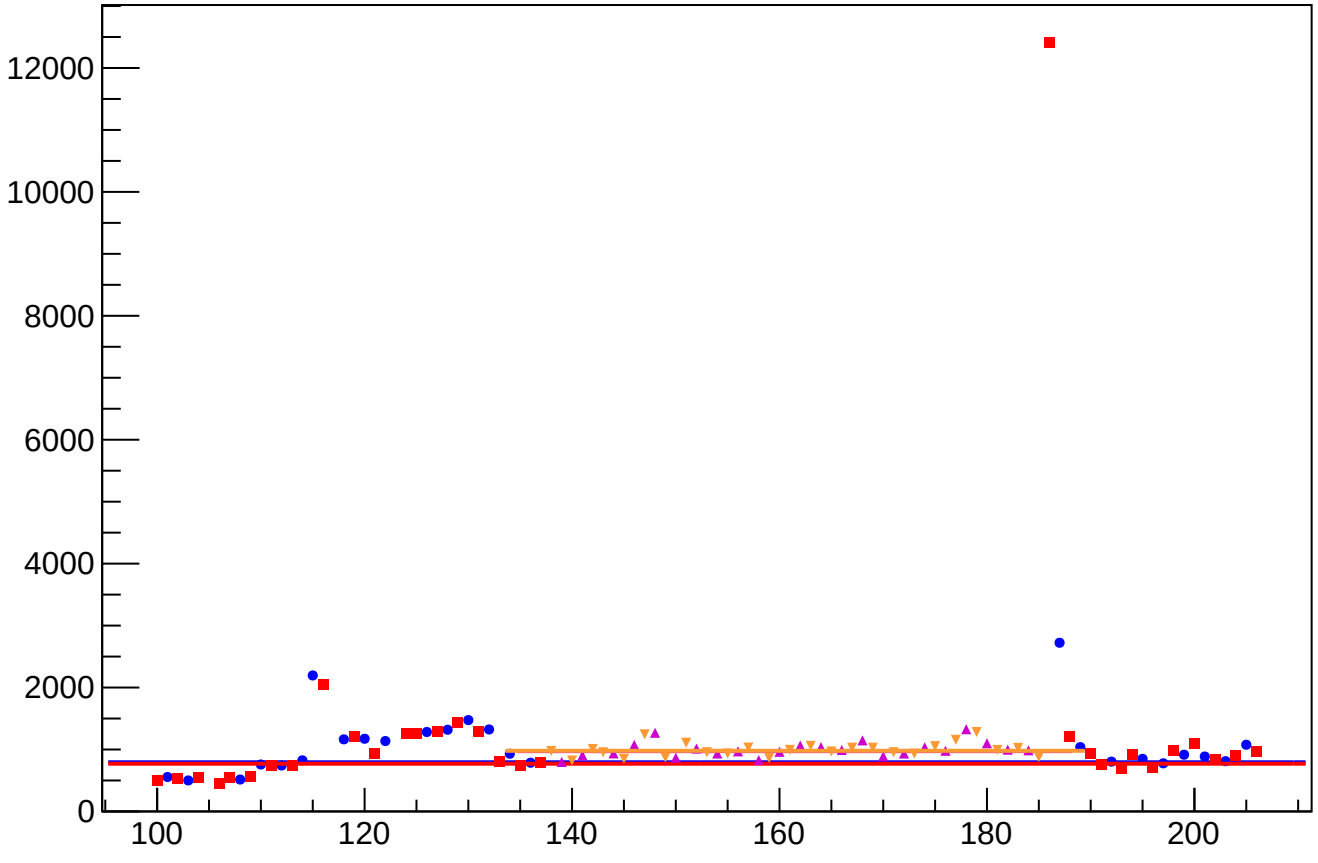
Left In: -74.440+/-229.788 χ^2/NDF:33.1/22

+ sign -221.218+/-158.086 χ^2/NDF: 38.3/49

All: -243.834+/-109.581 χ^2/NDF: 100.5/103

- sign -264.751+/-152.032 χ^2/NDF: 62.1/53

asym_sam5_reg_correction_rms vs Slug



Right In: 793.720+/-0.157 χ^2/NDF: 2331173.4/24

Left Out: 979.111+/-0.159 χ^2/NDF:429795.3/24

Right Out: 770.690+/-0.143 χ^2/NDF: 3413140.4/30

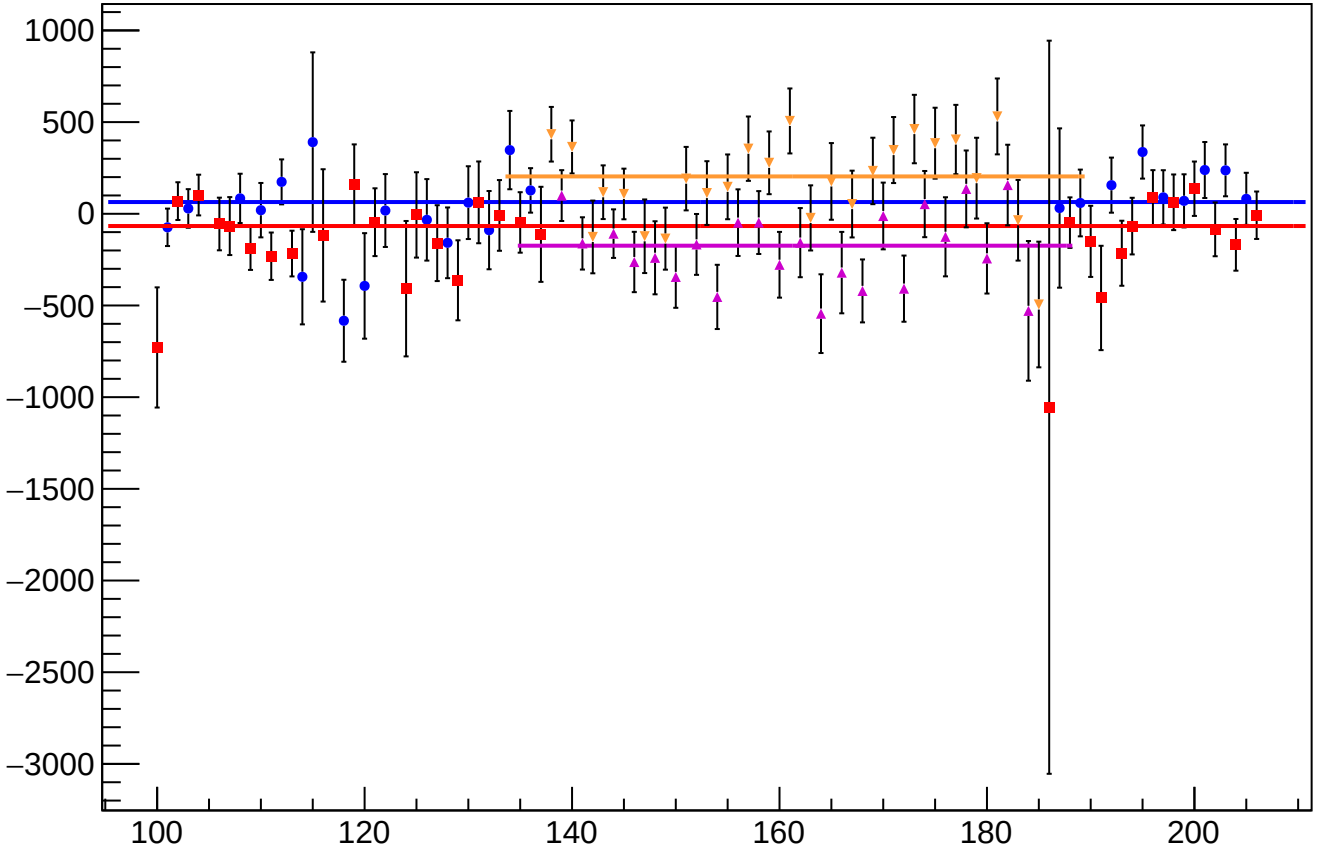
Left In: 973.818+/-0.162 χ^2/NDF:498612.7/22

+ sign 885.603+/-0.112 χ^2/NDF: 3448561.8/49

All: 872.098+/-0.077 χ^2/NDF: 8267127.2/103

- sign 859.608+/-0.108 χ^2/NDF: 4790470.5/53

cor_asym_sam5_mean vs Slug



Right In: 64.087+/-31.991 χ^2/NDF: 27.6/24

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -66.716+/-29.476 χ^2/NDF: 24.2/30

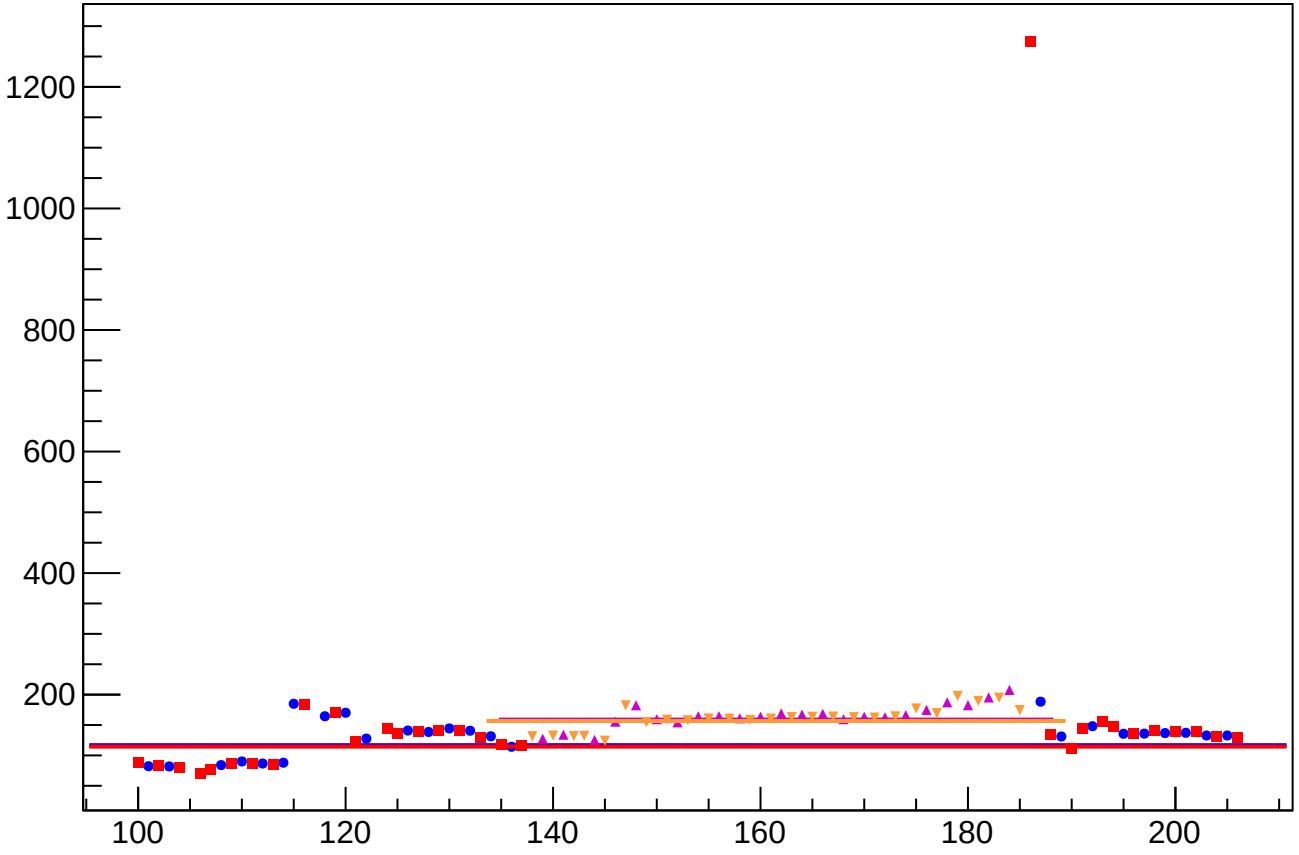
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 125.955+/-23.878 χ^2/NDF: 68.9/49

All: 5.465+/-16.621 χ^2/NDF: 172.1/103

- sign -107.806+/-23.151 χ^2/NDF: 53.8/53

cor_asym_sam5_rms vs Slug



Right In: 116.837+/-0.023 χ^2/NDF: 1450385.1/24

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 114.464+/-0.021 χ^2/NDF: 2557272.1/30

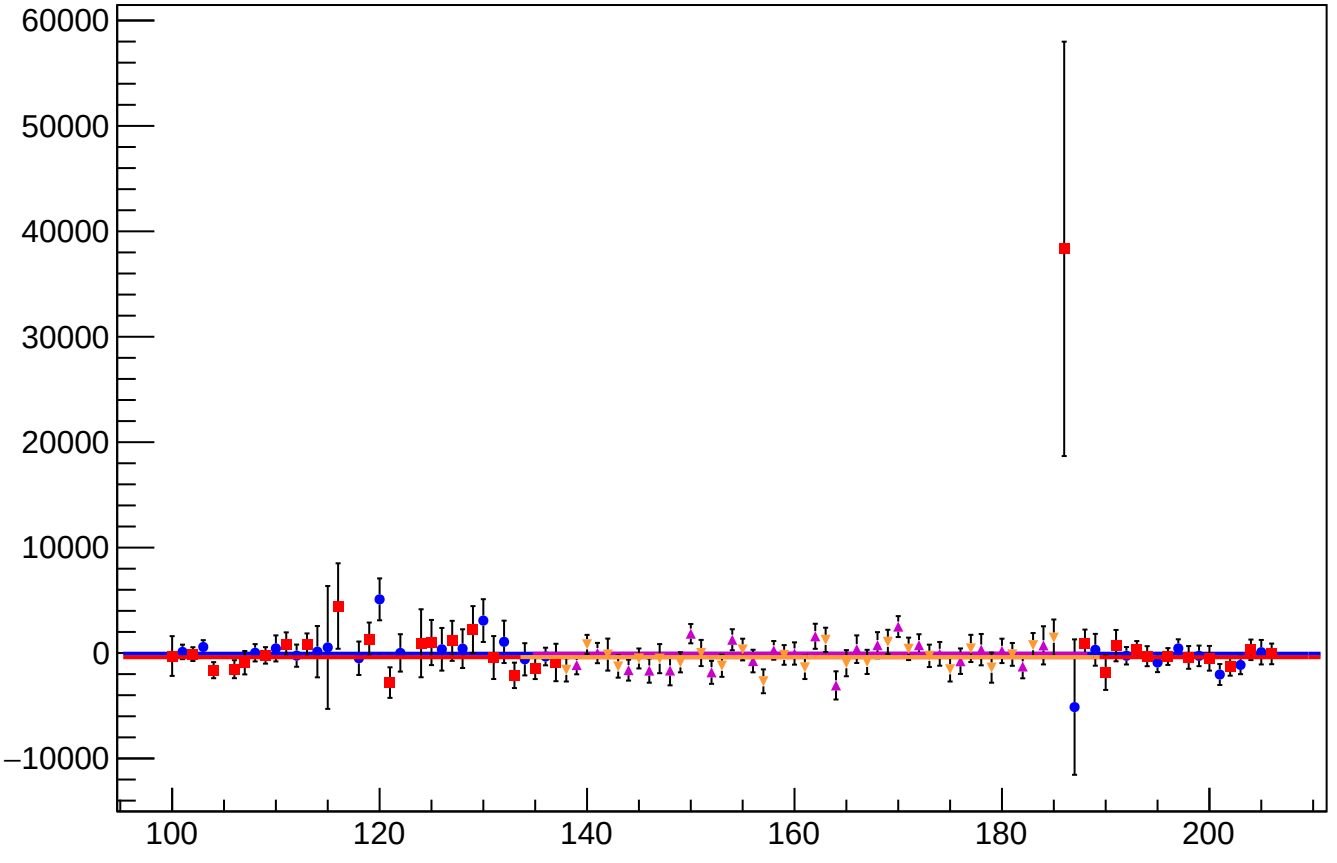
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.466+/-0.017 χ^2/NDF: 3403903.3/49

All: 132.941+/-0.012 χ^2/NDF: 8233608.1/103

- sign 131.507+/-0.016 χ^2/NDF: 4813868.8/53

asym_sam5_cor_correction_mean vs Slug



Right In: -64.518+/-222.594 χ^2/NDF: 18.5/24

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -398.232+/-202.829 χ^2/NDF: 27.0/30

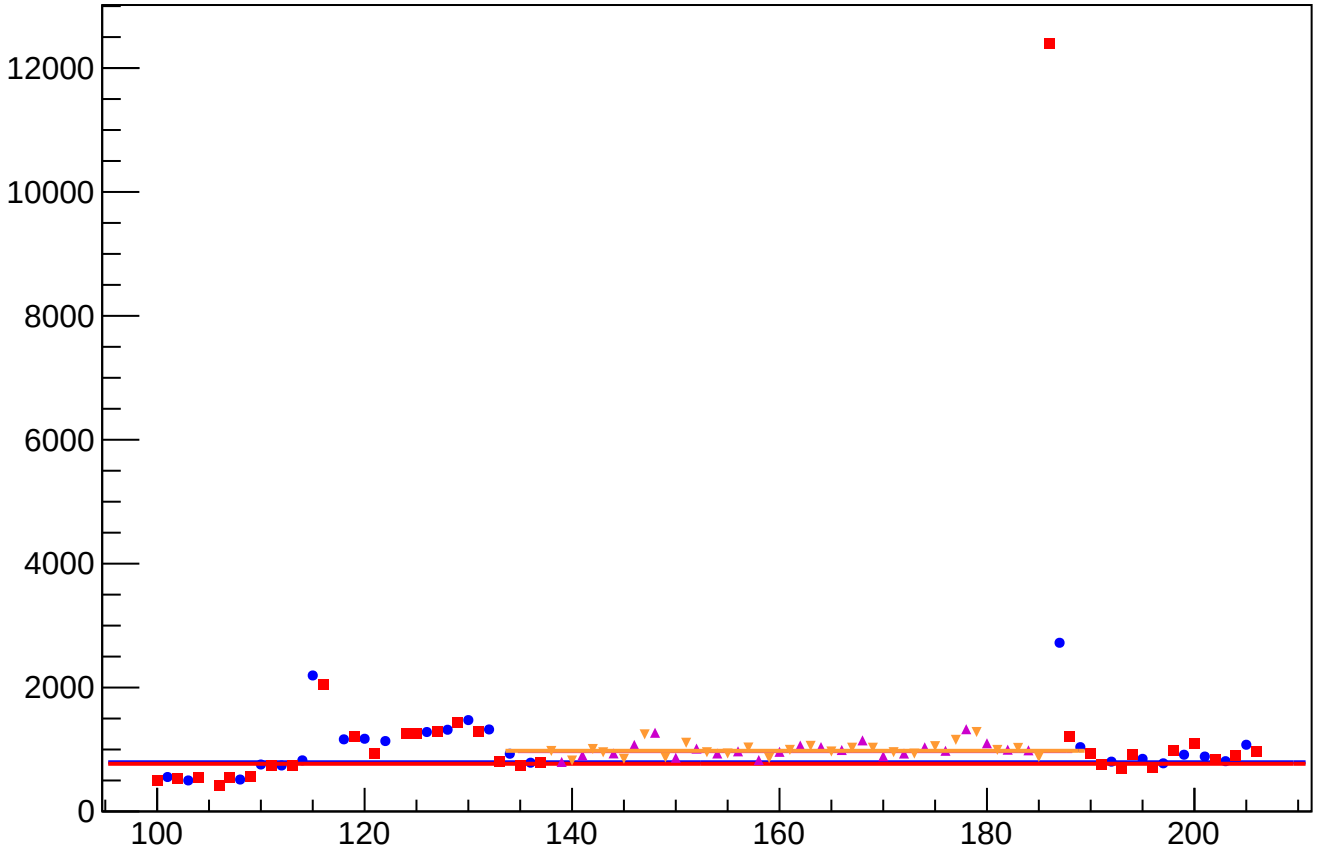
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -221.212+/-158.086 χ^2/NDF: 38.3/49

All: -239.507+/-109.593 χ^2/NDF: 99.5/103

- sign -256.434+/-152.064 χ^2/NDF: 61.2/53

asym_sam5_cor_correction_rms vs Slug



Right In: 793.719+/-0.157 χ^2/NDF: 2331177.2/24

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 769.552+/-0.143 χ^2/NDF: 3454042.6/30

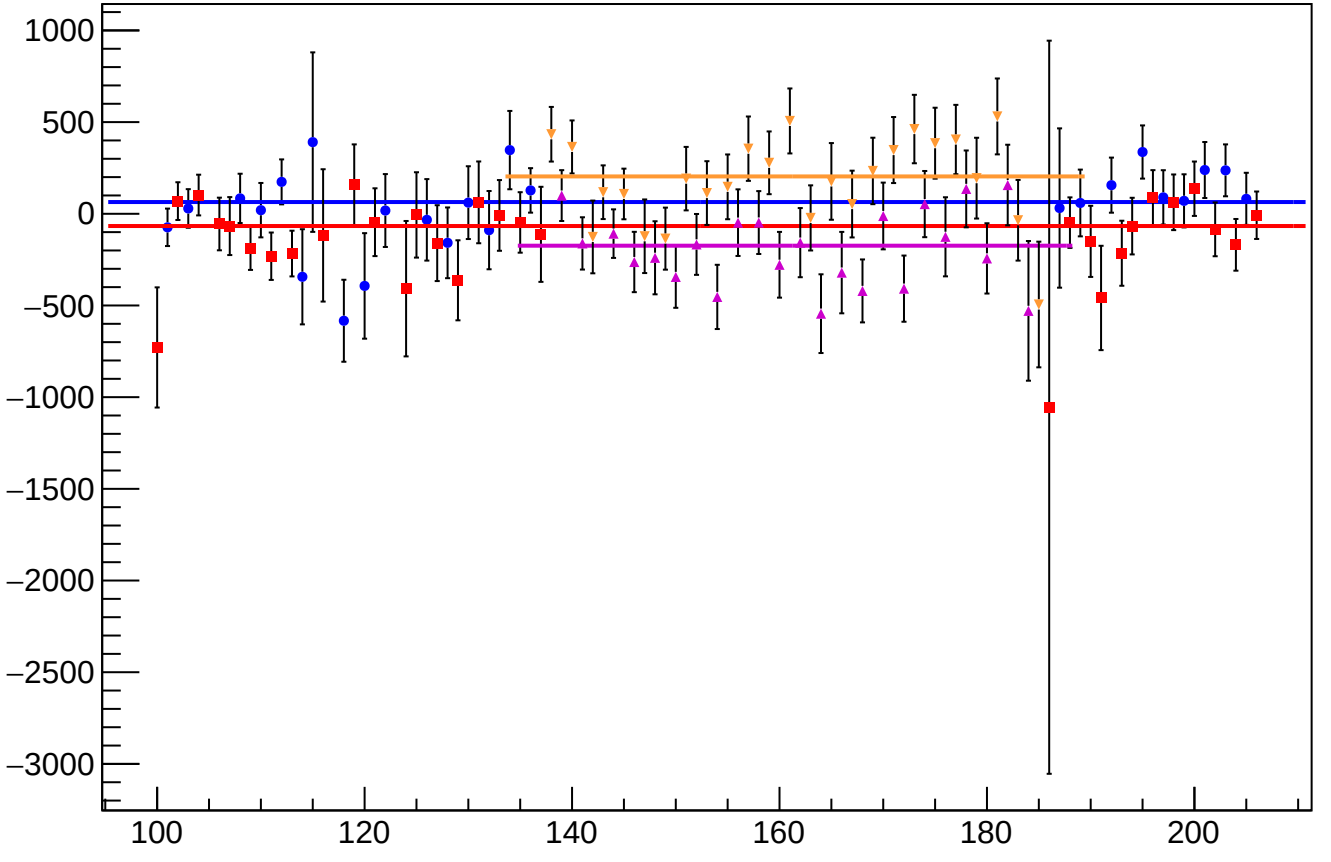
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 885.603+/-0.112 χ^2/NDF: 3448567.5/49

All: 871.788+/-0.077 χ^2/NDF: 8318932.6/103

- sign 859.005+/-0.108 χ^2/NDF: 4840958.8/53

eigen_cor_asym_sam5_mean vs Slug



Right In: 64.087+/-31.991 χ^2/NDF: 27.6/24

Left Out: 203.766+/-35.878 χ^2/NDF:32.9/24

Right Out: -66.716+/-29.476 χ^2/NDF: 24.2/30

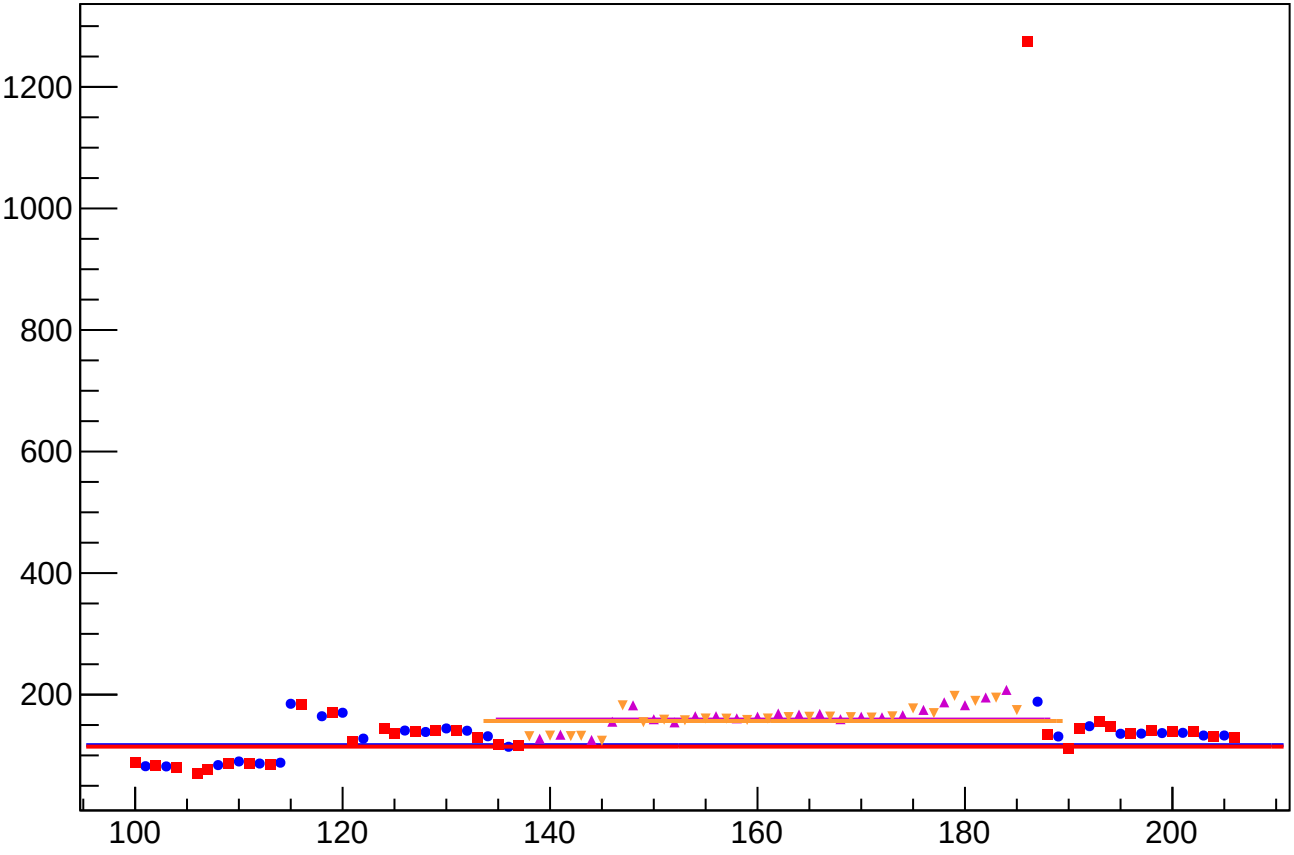
Left In: -173.978+/-37.405 χ^2/NDF:24.5/22

+ sign 125.955+/-23.878 χ^2/NDF: 68.9/49

All: 5.465+/-16.621 χ^2/NDF: 172.1/103

- sign -107.806+/-23.151 χ^2/NDF: 53.8/53

eigen_cor_asym_sam5_rms vs Slug



Right In: 116.837+/-0.023 χ^2/NDF: 1450385.1/24

Left Out: 156.638+/-0.025 χ^2/NDF:582414.5/24

Right Out: 114.464+/-0.021 χ^2/NDF: 2557272.1/30

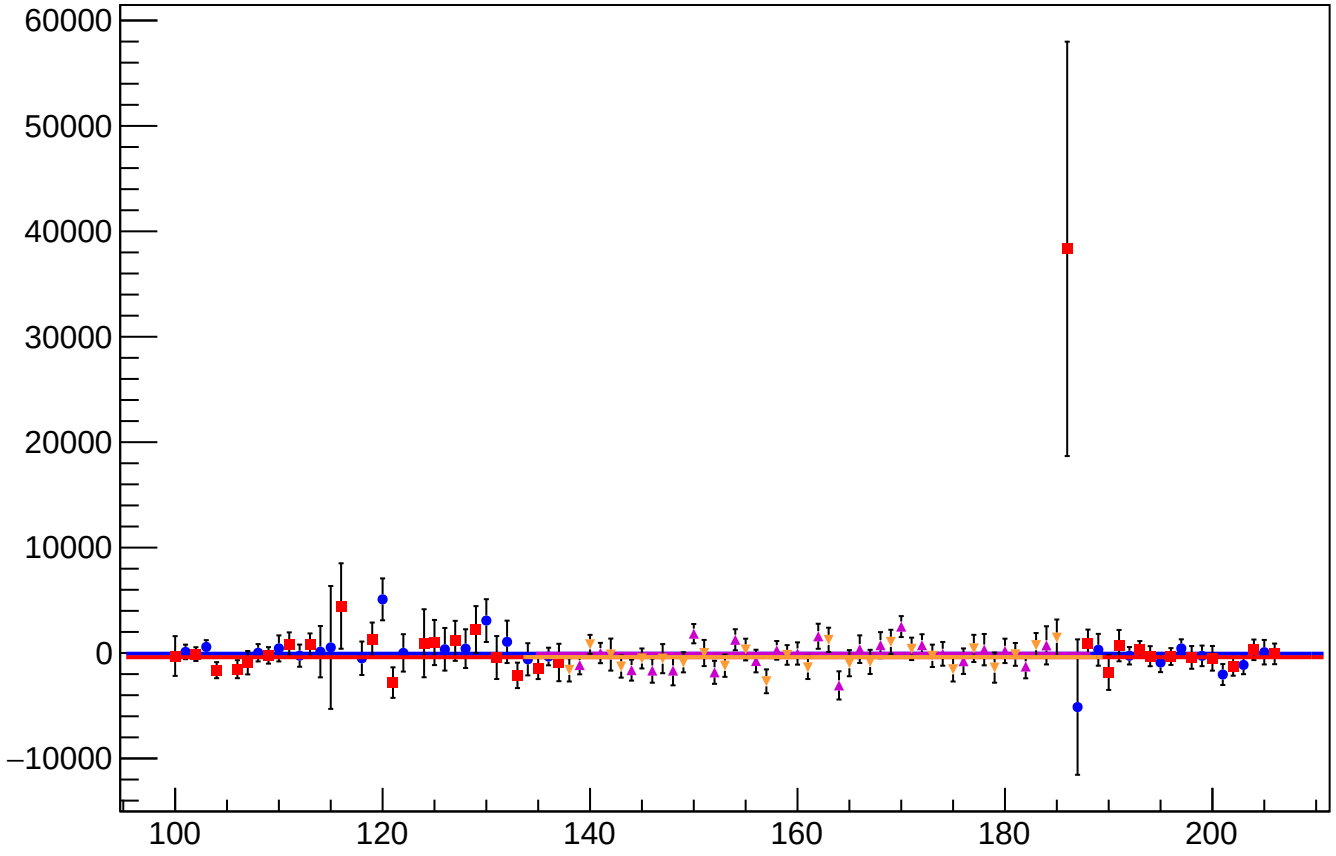
Left In: 158.952+/-0.026 χ^2/NDF:511321.3/22

+ sign 134.466+/-0.017 χ^2/NDF: 3403903.3/49

All: 132.941+/-0.012 χ^2/NDF: 8233608.1/103

- sign 131.507+/-0.016 χ^2/NDF: 4813868.8/53

asym_sam5_eigen_cor_correction_mean vs Slug



Right In: -64.518+/-222.594 χ^2/NDF: 18.5/24

Left Out: -380.678+/-224.554 χ^2/NDF:18.7/24

Right Out: -398.232+/-202.829 χ^2/NDF: 27.0/30

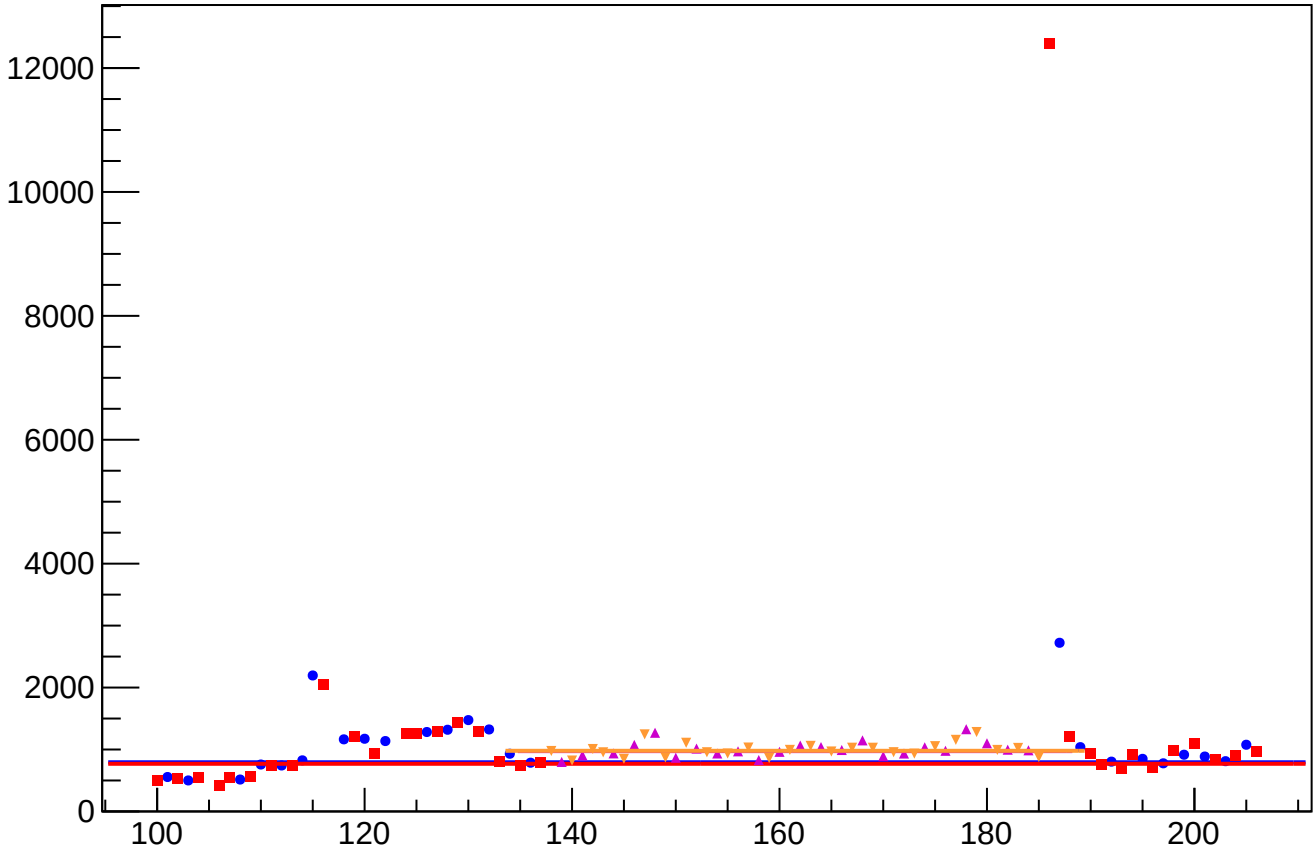
Left In: -74.438+/-229.788 χ^2/NDF:33.1/22

+ sign -221.212+/-158.086 χ^2/NDF: 38.3/49

All: -239.507+/-109.593 χ^2/NDF: 99.5/103

- sign -256.434+/-152.064 χ^2/NDF: 61.2/53

asym_sam5_eigen_cor_correction_rms vs Slug



Right In: 793.719+/-0.157 χ^2/NDF: 2331177.2/24

Left Out: 979.112+/-0.159 χ^2/NDF:429793.5/24

Right Out: 769.552+/-0.143 χ^2/NDF: 3454042.6/30

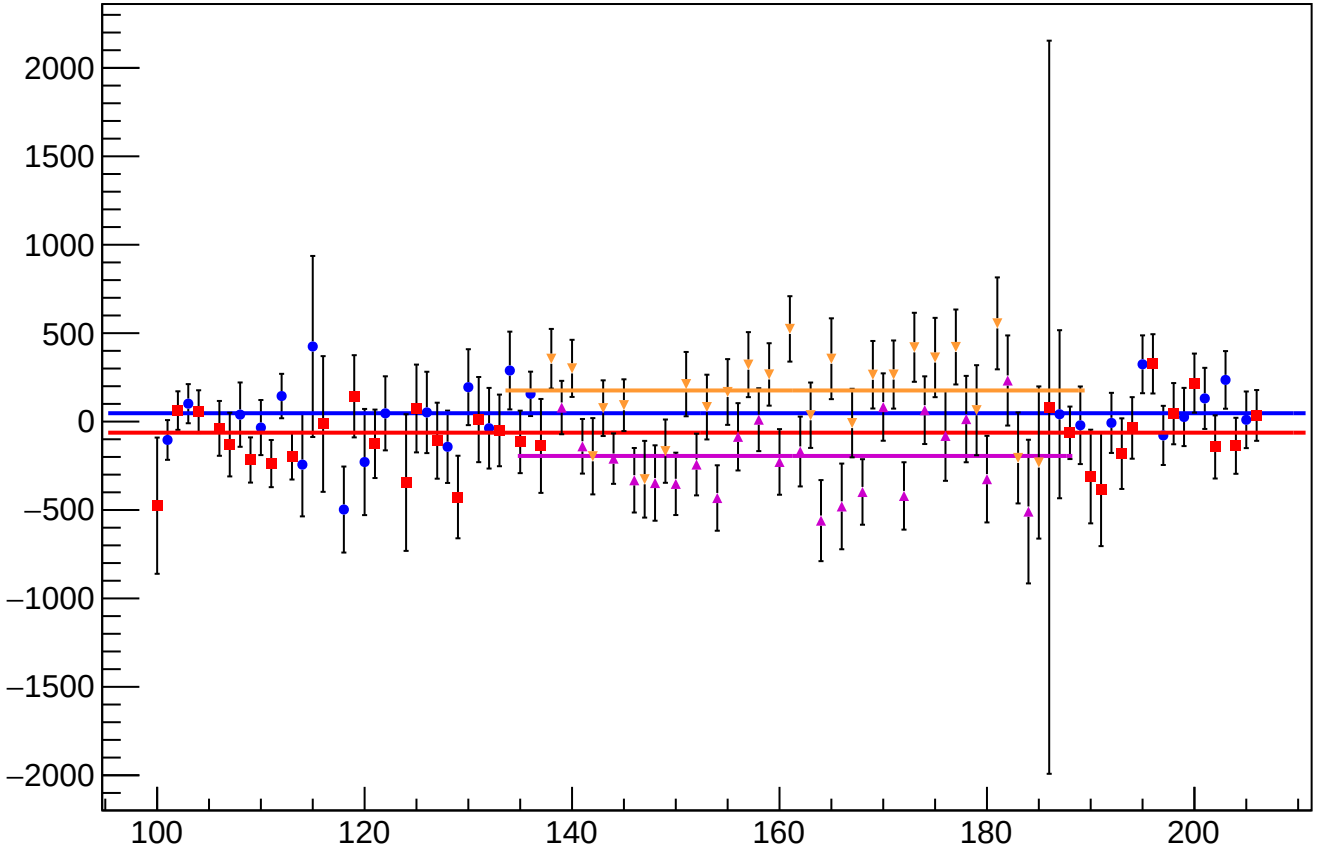
Left In: 973.818+/-0.162 χ^2/NDF:498615.1/22

+ sign 885.603+/-0.112 χ^2/NDF: 3448567.5/49

All: 871.788+/-0.077 χ^2/NDF: 8318932.6/103

- sign 859.005+/-0.108 χ^2/NDF: 4840958.8/53

dit_asym_sam5_mean vs Slug



Right In: 47.300+/-35.137 χ^2/NDF: 19.0/24

Left Out: 176.010+/-38.838 χ^2/NDF:30.8/24

Right Out: -62.729+/-32.261 χ^2/NDF: 24.0/30

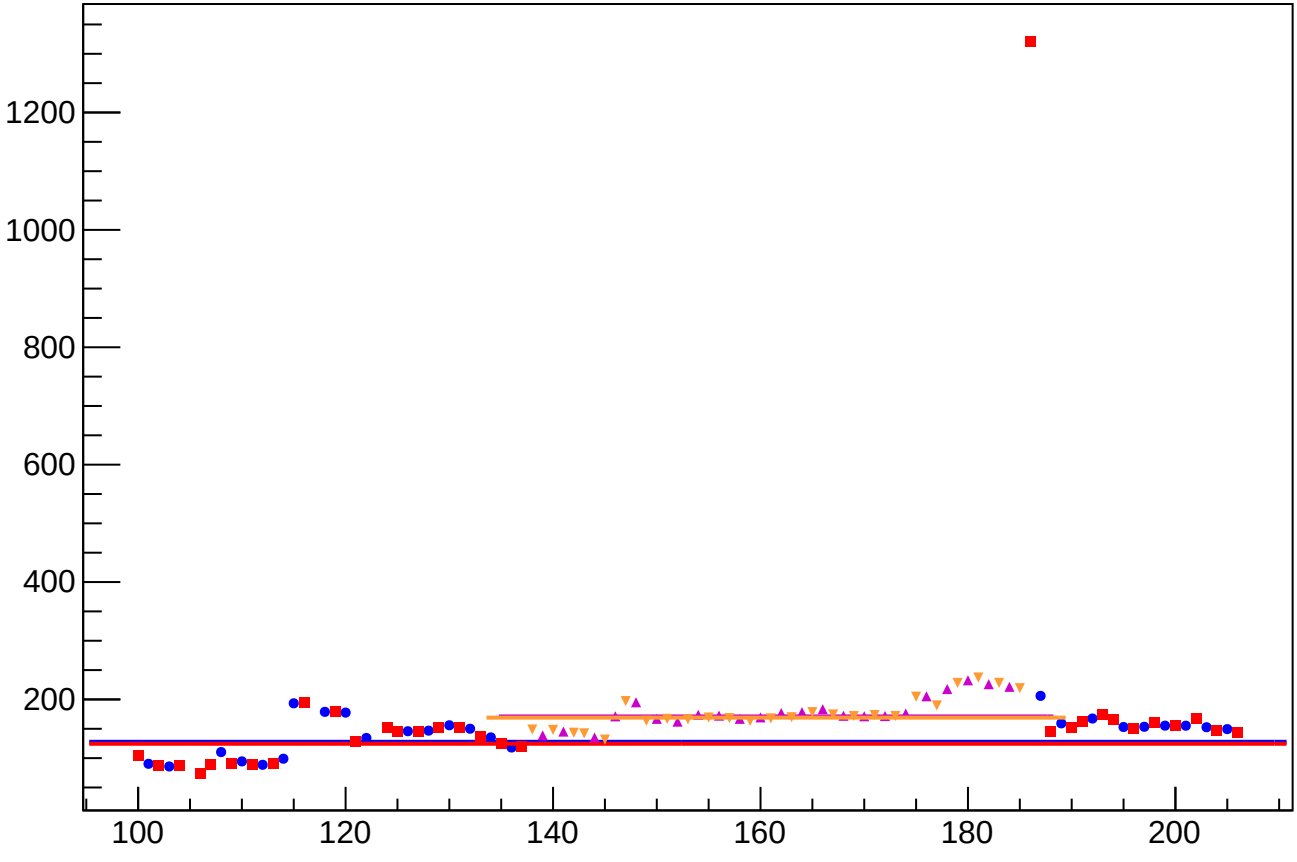
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 105.233+/-26.056 χ^2/NDF: 55.8/49

All: -8.017+/-18.116 χ^2/NDF: 146.7/103

- sign -113.995+/-25.206 χ^2/NDF: 54.3/53

dit_asym_sam5_rms vs Slug



Right In: 127.828+/-0.025 χ^2/NDF: 1597897.3/24

Left Out: 169.009+/-0.027 χ^2/NDF:773937.9/24

Right Out: 124.472+/-0.023 χ^2/NDF: 2815232.0/30

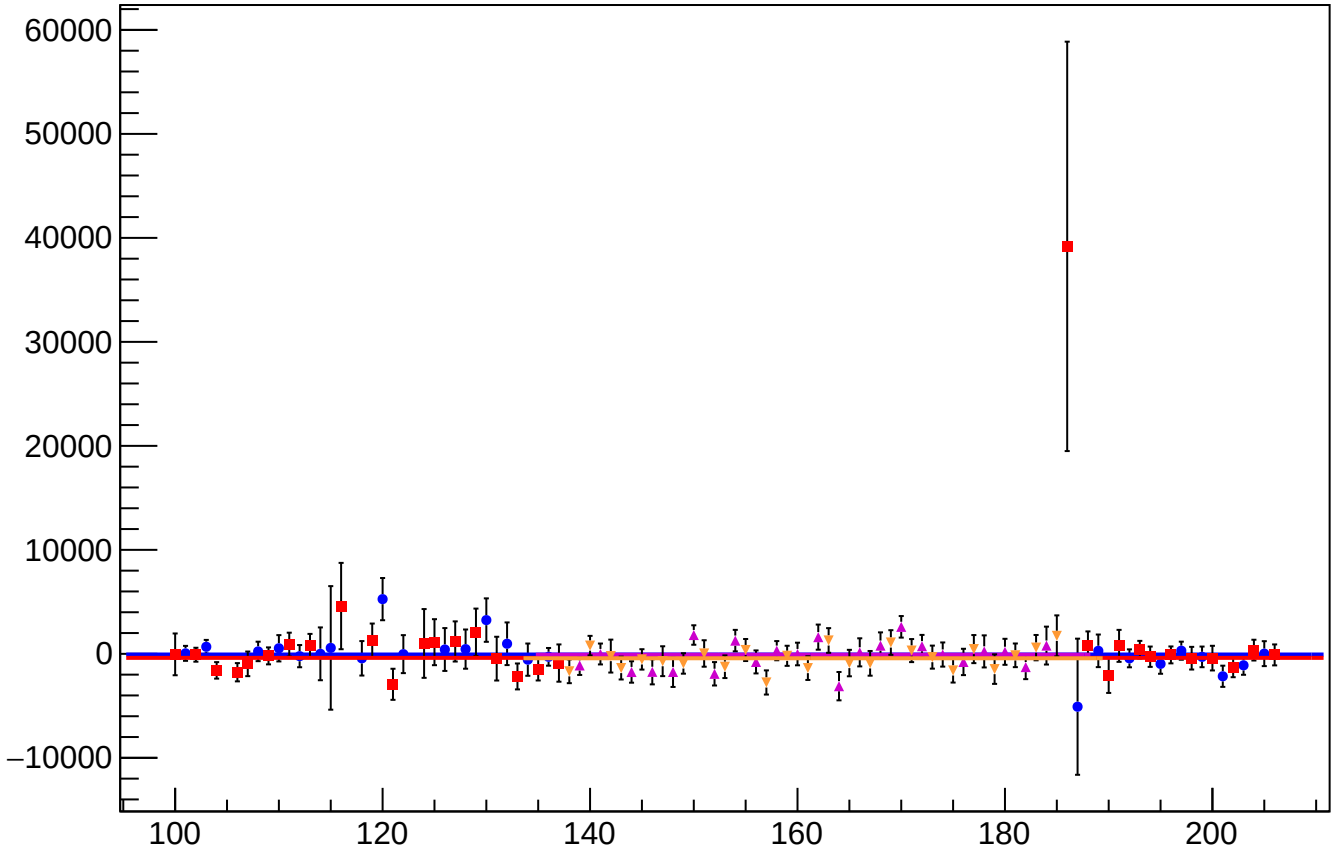
Left In: 171.021+/-0.029 χ^2/NDF:678106.1/22

+ sign 146.364+/-0.018 χ^2/NDF: 3608352.3/49

All: 144.423+/-0.013 χ^2/NDF: 8745266.1/103

- sign 142.606+/-0.018 χ^2/NDF: 5115424.5/53

asym_sam5_dit_correction_mean vs Slug



Right In: -63.581+/-230.547 χ^2/NDF: 19.1/24

Left Out: -425.819+/-232.561 χ^2/NDF:18.4/24

Right Out: -386.401+/-209.436 χ^2/NDF: 27.7/30

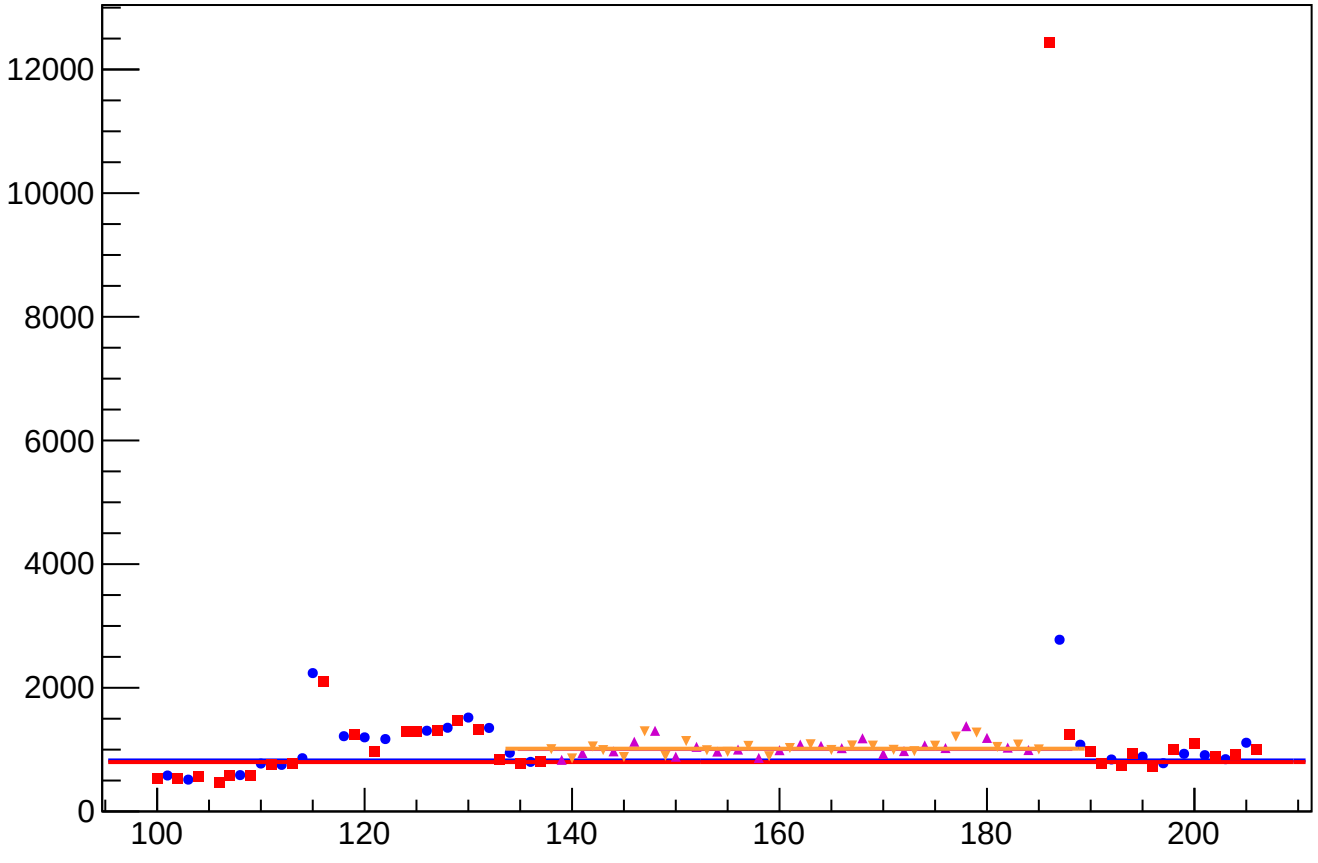
Left In: -86.486+/-238.155 χ^2/NDF:32.4/22

+ sign -243.125+/-163.729 χ^2/NDF: 38.7/49

All: -249.617+/-113.422 χ^2/NDF: 99.8/103

- sign -255.608+/-157.272 χ^2/NDF: 61.1/53

asym_sam5_dit_correction_rms vs Slug



Right In: 824.893+/-0.163 χ^2/NDF: 2203165.2/24

Left Out: 1015.046+/-0.164 χ^2/NDF:397966.2/24

Right Out: 798.504+/-0.148 χ^2/NDF: 3295363.4/30

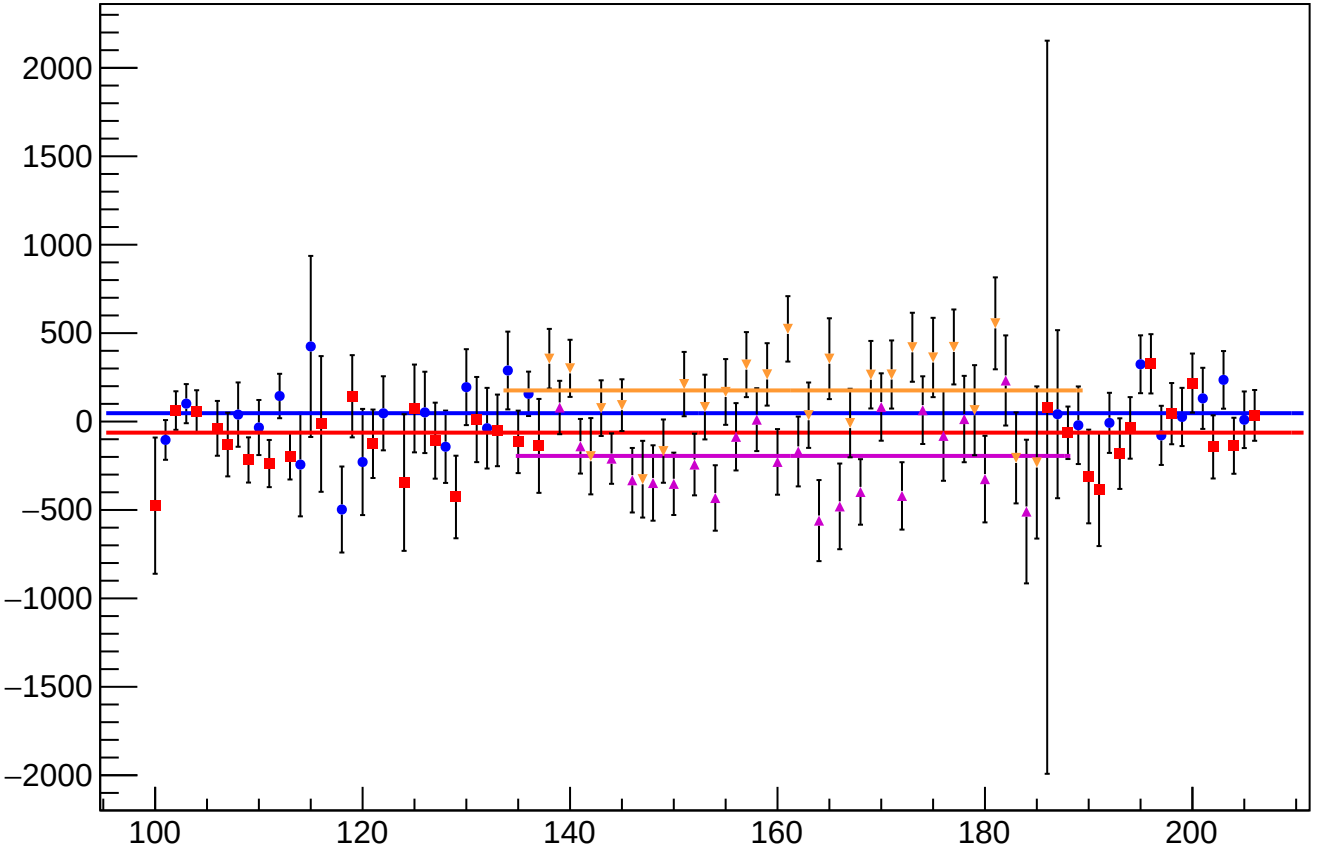
Left In: 1009.672+/-0.168 χ^2/NDF:498783.5/22

+ sign 919.143+/-0.116 χ^2/NDF: 3275494.7/49

All: 904.295+/-0.080 χ^2/NDF: 7987950.5/103

- sign 890.595+/-0.111 χ^2/NDF: 4680830.8/53

eigen_dit_asym_sam5_mean vs Slug



Right In: 47.299+/-35.137 χ^2/NDF: 19.0/24

Left Out: 176.011+/-38.838 χ^2/NDF:30.8/24

Right Out: -62.730+/-32.261 χ^2/NDF: 24.0/30

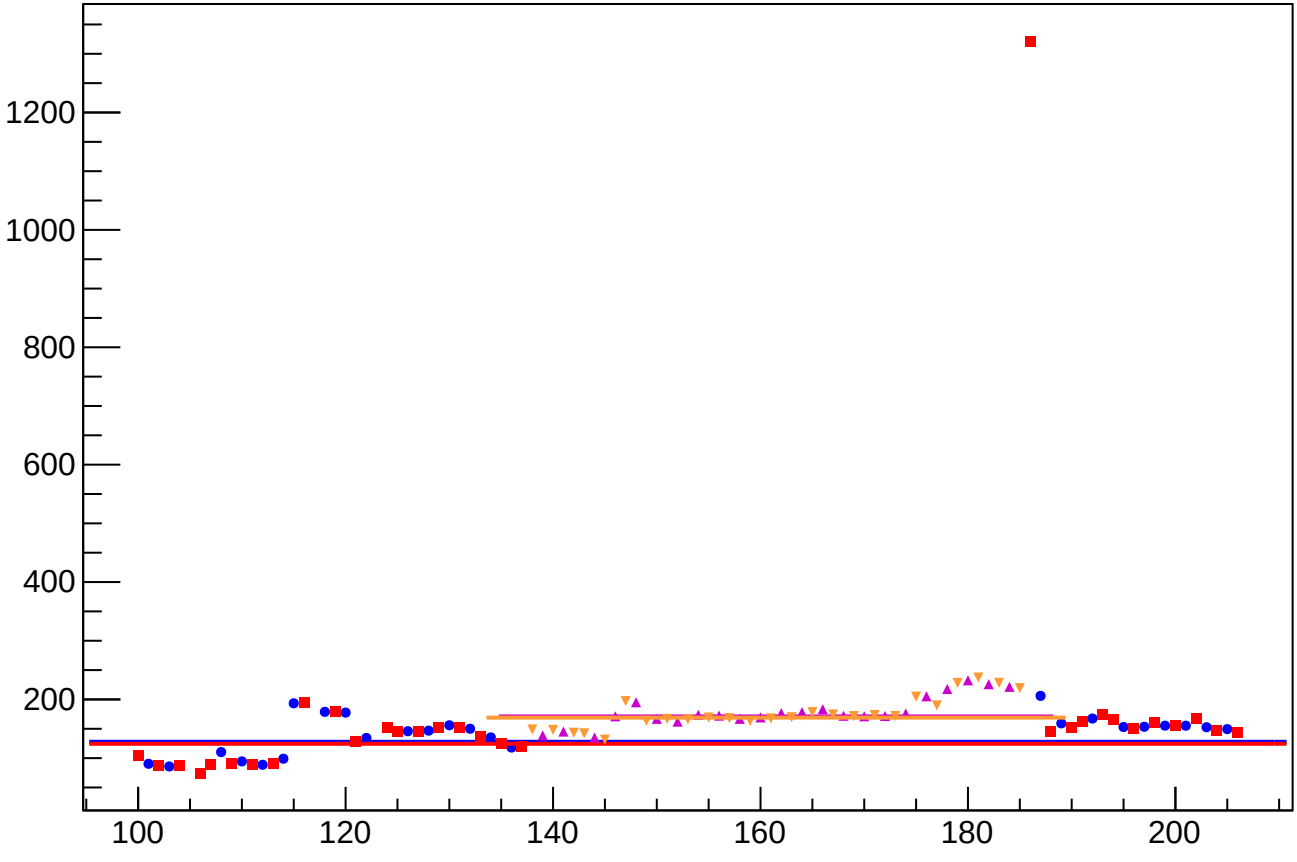
Left In: -194.324+/-40.384 χ^2/NDF:23.8/22

+ sign 105.233+/-26.056 χ^2/NDF: 55.8/49

All: -8.017+/-18.116 χ^2/NDF: 146.7/103

- sign -113.995+/-25.206 χ^2/NDF: 54.3/53

eigen_dit_asym_sam5_rms vs Slug



Right In: 127.828+/-0.025 χ^2/NDF: 1597904.2/24

Left Out: 169.009+/-0.027 χ^2/NDF:773925.9/24

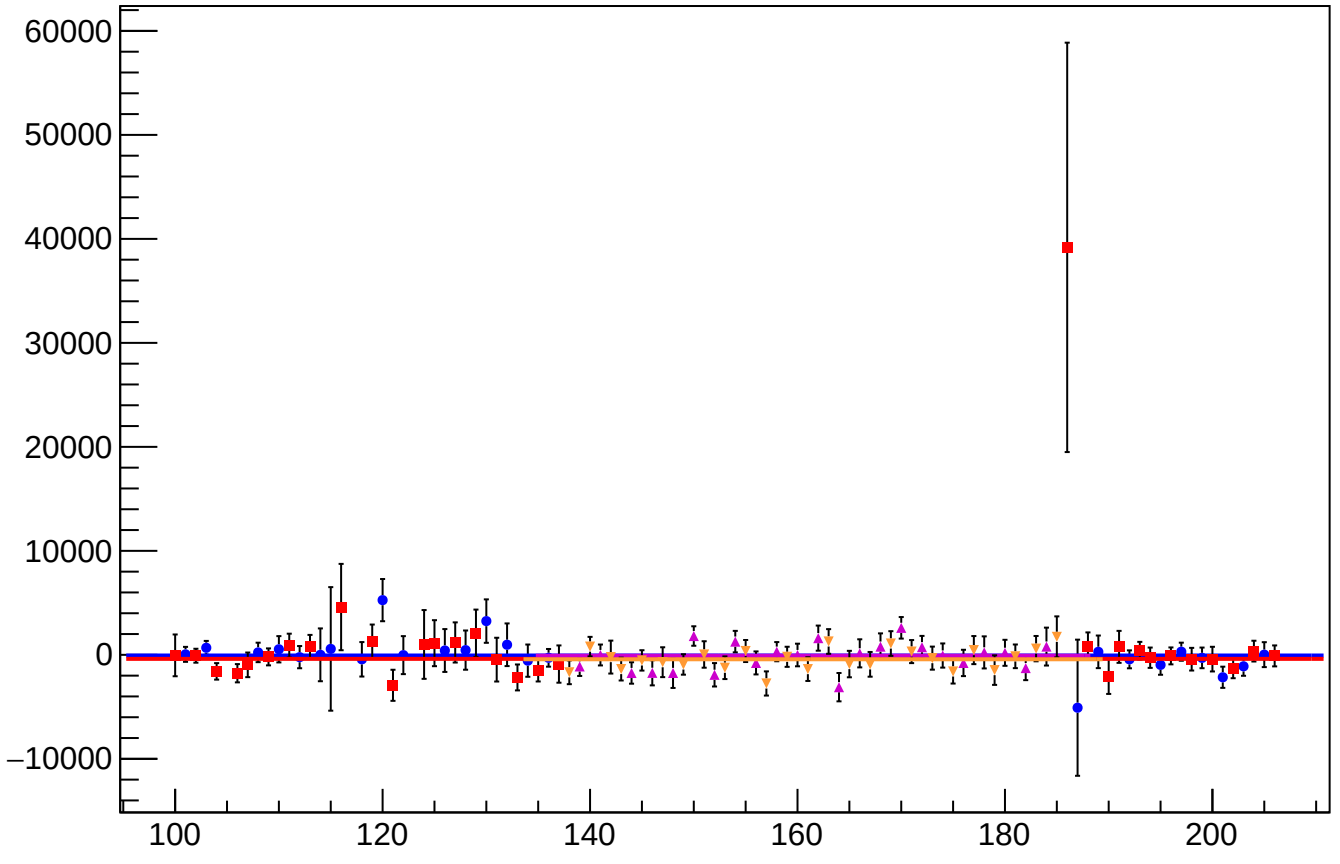
Right Out: 124.472+/-0.023 χ^2/NDF: 2815235.5/30

Left In: 171.021+/-0.029 χ^2/NDF:678096.1/22

+ sign 146.364+/-0.018 χ^2/NDF: 3608370.8/49

All: 144.423+/-0.013 χ^2/NDF: 8745307.6/103

- sign 142.606+/-0.018 χ^2/NDF: 5115448.2/53



Right In: -63.580+/-230.547 χ^2/NDF: 19.1/24

Left Out: -425.818+/-232.561 χ^2/NDF:18.4/24

Right Out: -386.401+/-209.436 χ^2/NDF: 27.7/30

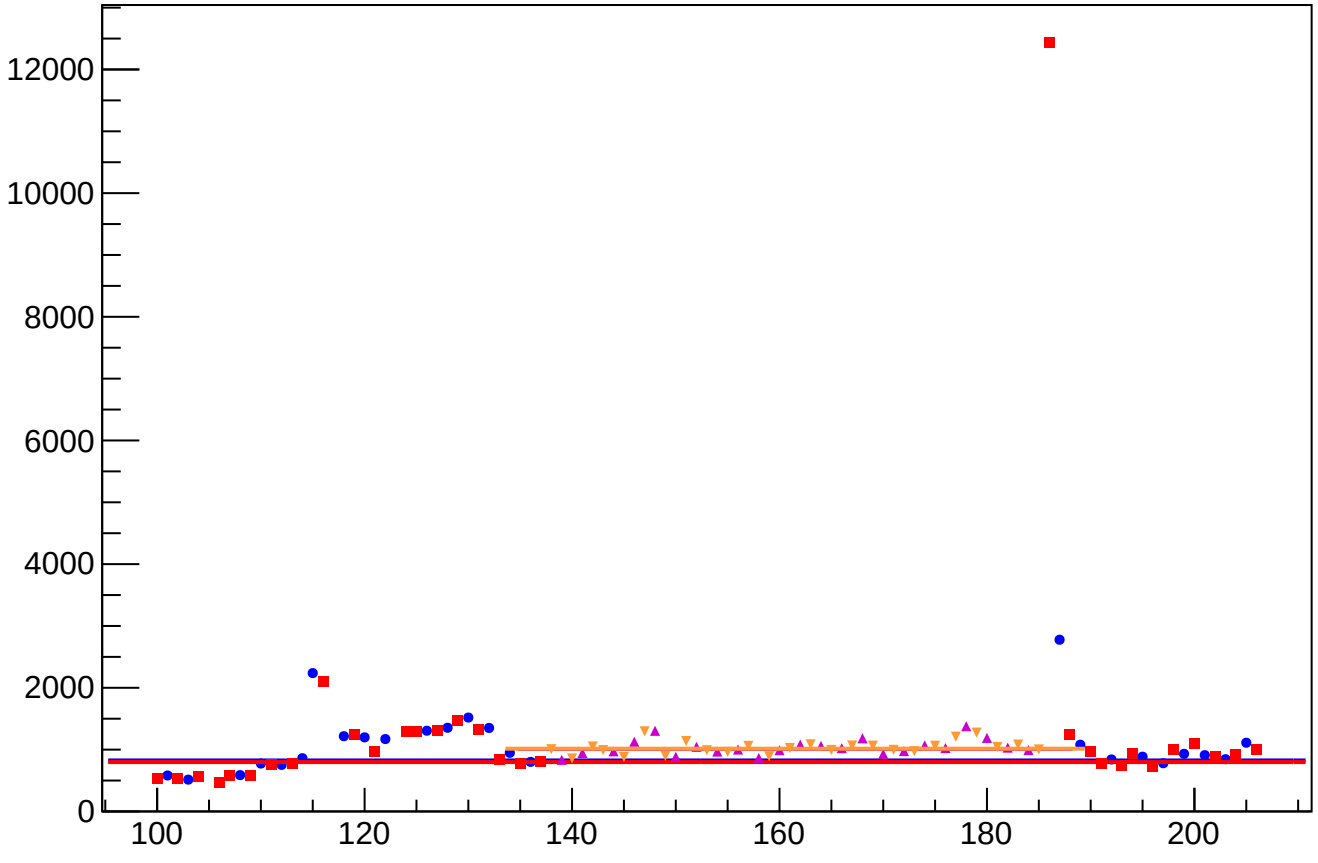
Left In: -86.487+/-238.155 χ^2/NDF:32.4/22

+ sign -243.124+/-163.729 χ^2/NDF: 38.7/49

All: -249.617+/-113.422 χ^2/NDF: 99.8/103

- sign -255.608+/-157.272 χ^2/NDF: 61.1/53

asym_sam5_eigen_dit_correction_rms vs Slug



Right In: 824.893+/-0.163 χ^2/NDF: 2203166.7/24

Left Out: 1015.047+/-0.164 χ^2/NDF:397964.6/24

Right Out: 798.504+/-0.148 χ^2/NDF: 3295370.5/30

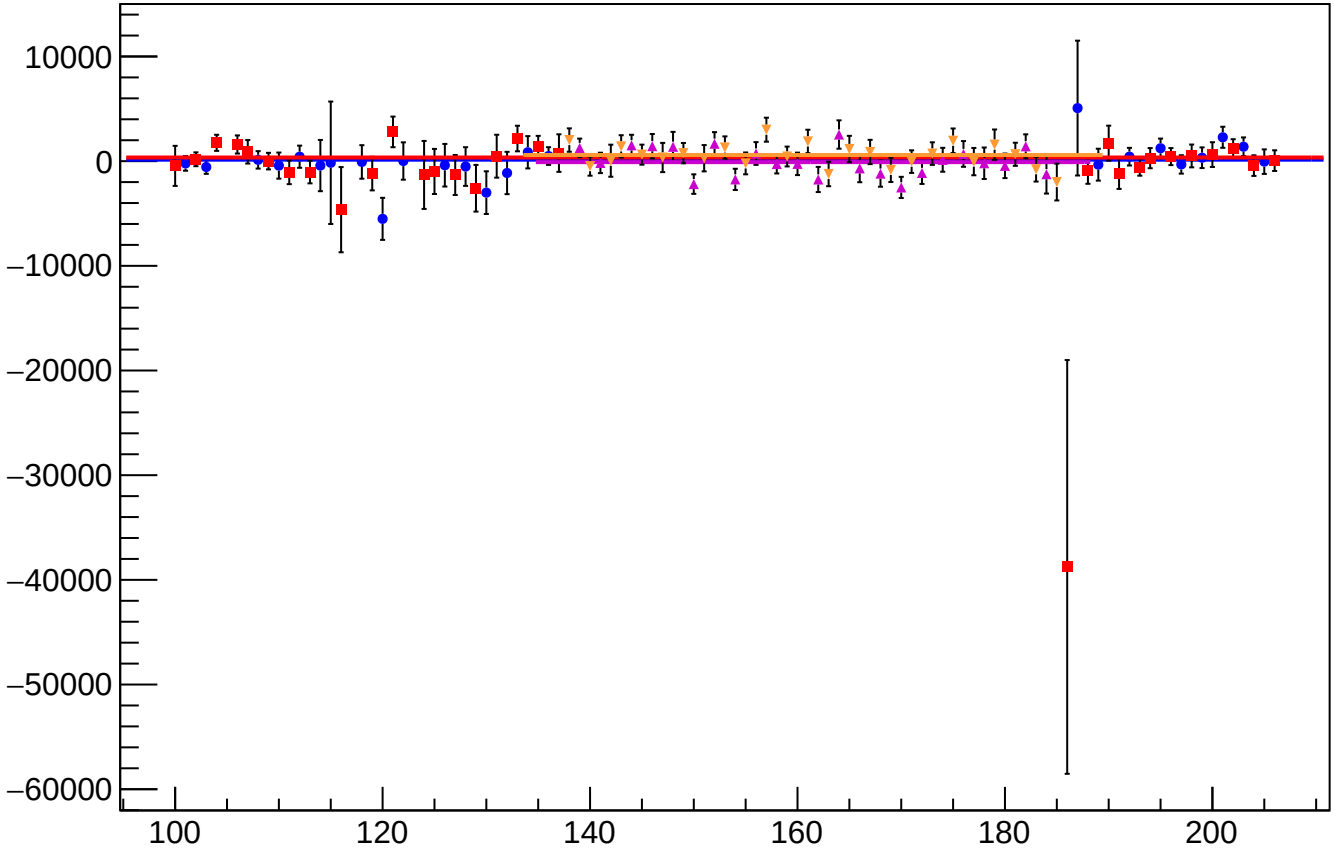
Left In: 1009.673+/-0.168 χ^2/NDF:498783.6/22

+ sign 919.143+/-0.116 χ^2/NDF: 3275505.5/49

All: 904.295+/-0.080 χ^2/NDF: 7987981.6/103

- sign 890.595+/-0.111 χ^2/NDF: 4680851.2/53

asym_sam5_mean vs Slug



Right In: 142.029+/-225.301 χ^2/NDF: 22.0/24

Left Out: 586.188+/-227.585 χ^2/NDF:20.8/24

Right Out: 349.831+/-205.403 χ^2/NDF: 30.1/30

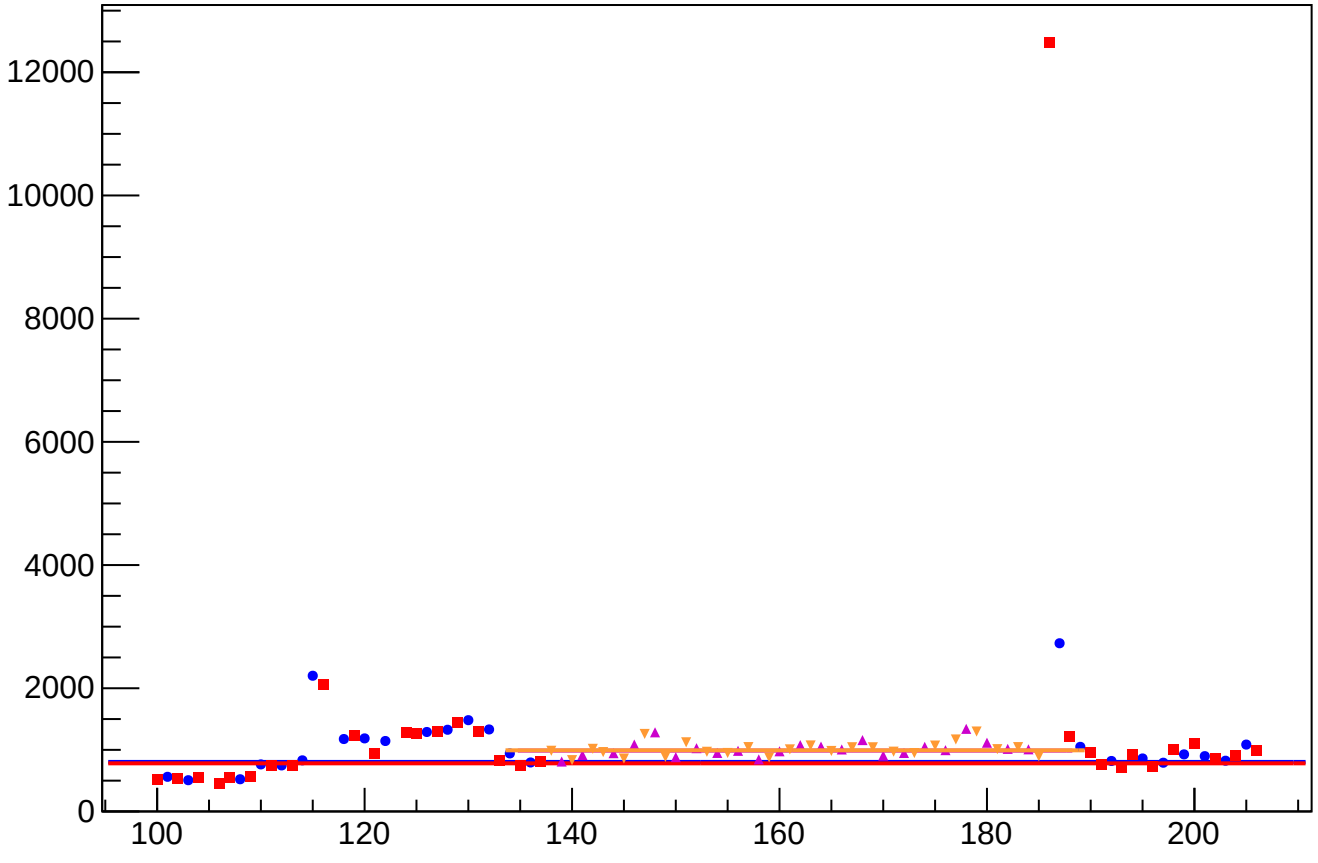
Left In: -92.688+/-233.019 χ^2/NDF:34.6/22

\+ sign 361.868+/-160.113 χ^2/NDF: 44.7/49

All: 255.160+/-111.025 χ^2/NDF: 112.3/103

\- sign 156.336+/-154.085 χ^2/NDF: 66.7/53

asym_sam5_rms vs Slug



Right In: 803.953+/-0.159 χ^2/NDF: 2306006.8/24

Left Out: 992.549+/-0.161 χ^2/NDF:424899.6/24

Right Out: 781.158+/-0.145 χ^2/NDF: 3384068.5/30

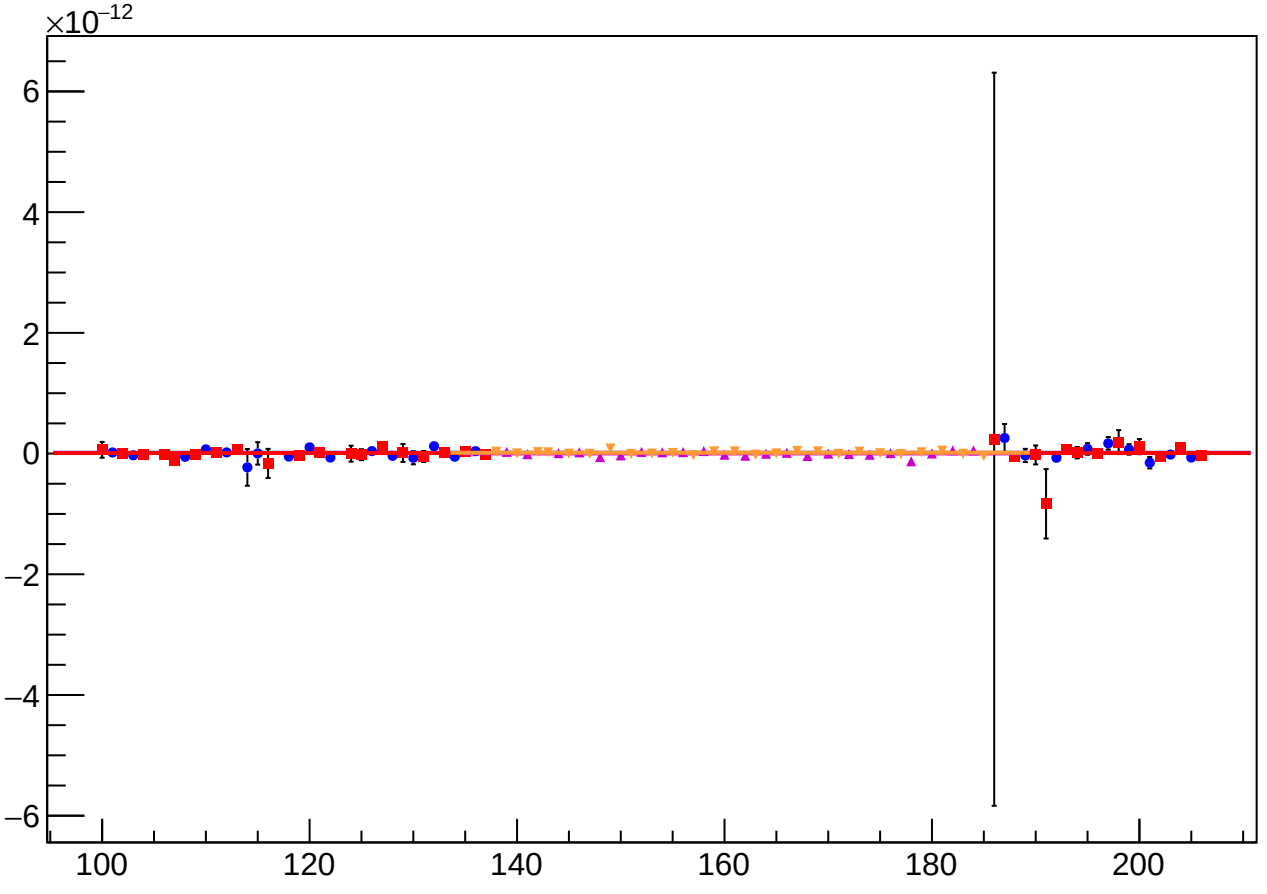
Left In: 987.784+/-0.165 χ^2/NDF:487733.2/22

+ sign 897.300+/-0.113 χ^2/NDF: 3424547.6/49

All: 883.909+/-0.079 χ^2/NDF: 8208256.9/103

- sign 871.507+/-0.109 χ^2/NDF: 4756763.9/53

asym_sam5_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 28.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:23.1/24

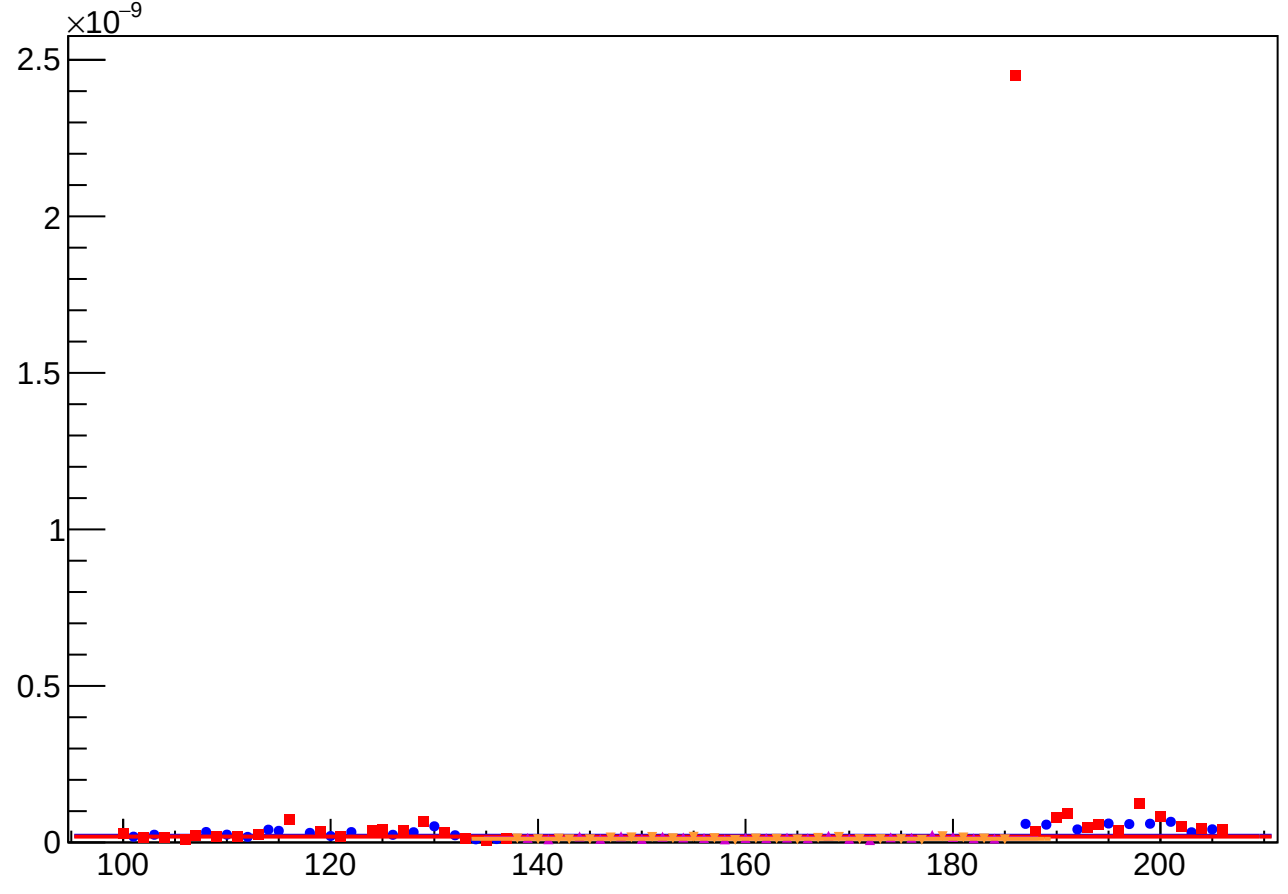
Right Out: 0.000+/-0.000 χ^2/NDF: 22.3/30

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

+ sign 0.000+/-0.000 χ^2/NDF: 51.6/49

All: 0.000+/-0.000 χ^2/NDF: 104.5/103

- sign 0.000+/-0.000 χ^2/NDF: 50.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 3525869.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:762184.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5778481.0/30

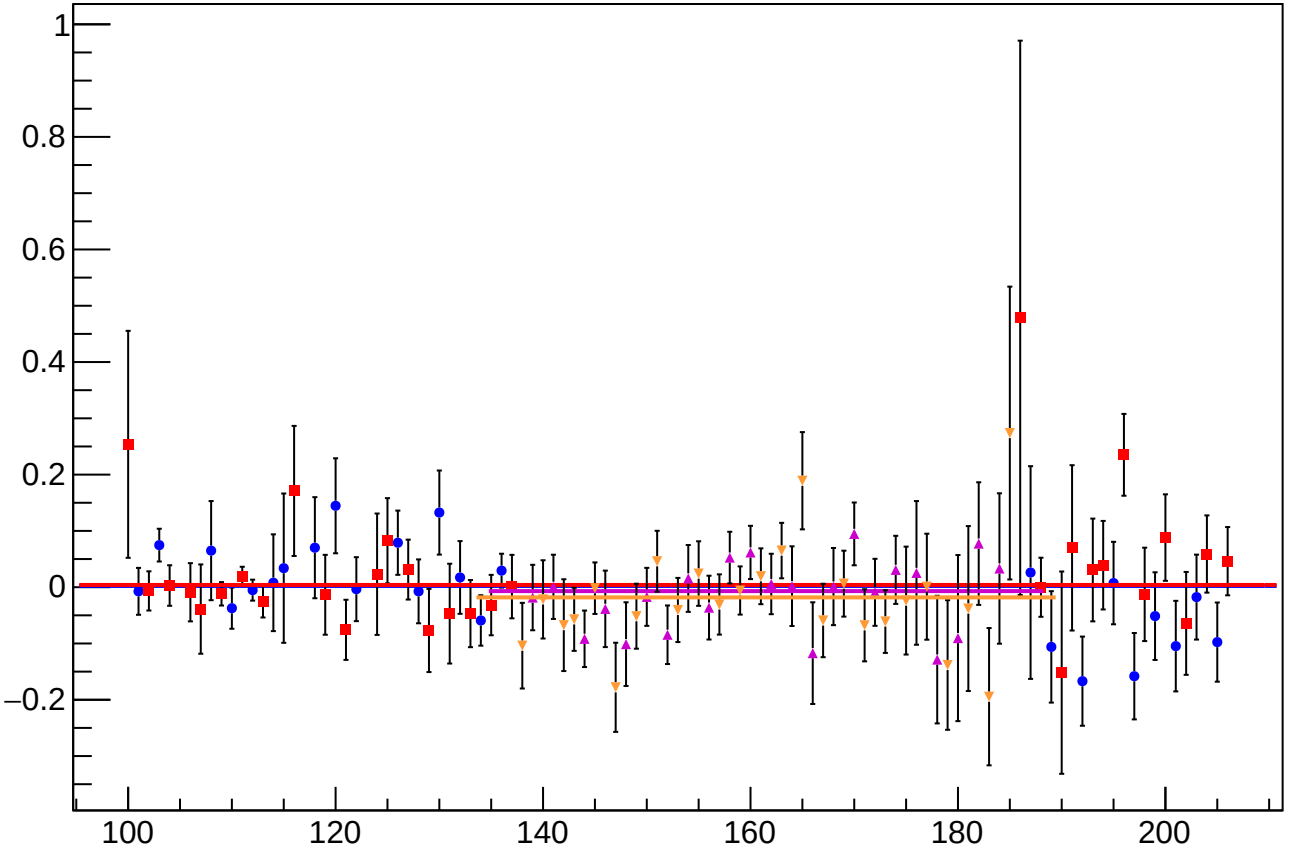
Left In: 0.000+/-0.000 χ^2/NDF:853838.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 5838525.6/49

All: 0.000+/-0.000 χ^2/NDF: 13116599.9/103

- sign 0.000+/-0.000 χ^2/NDF: 7170459.4/53

asym_sam5_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.004+/-0.009 χ^2/NDF: 28.2/30

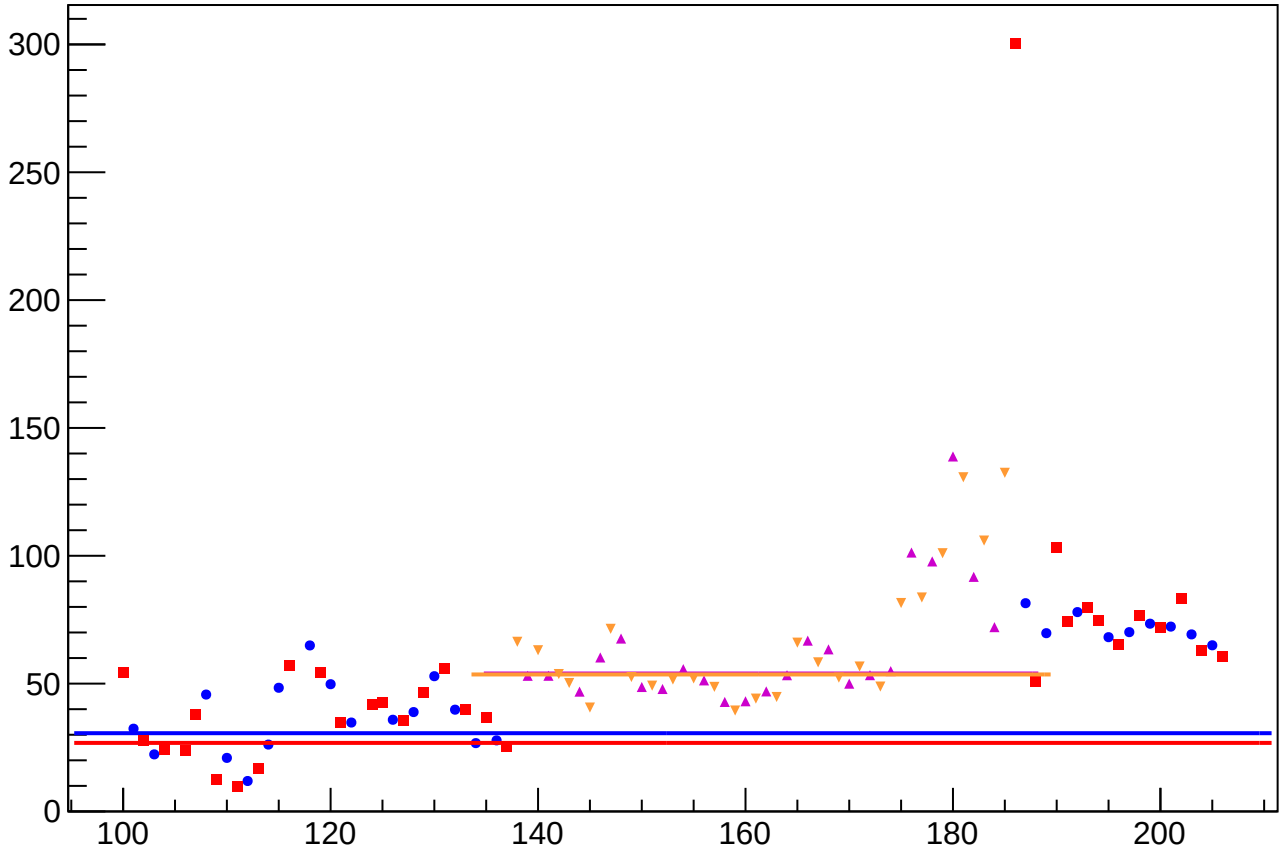
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 59.6/49

All: -0.002+/-0.005 χ^2/NDF: 107.3/103

- sign 0.001+/-0.007 χ^2/NDF: 47.4/53

asym_sam5_dit_vs_cor_diff_rms vs Slug



Right In: 30.610+/-0.007 χ^2/NDF: 7509406.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

Right Out: 26.813+/-0.006 χ^2/NDF: 11459383.6/30

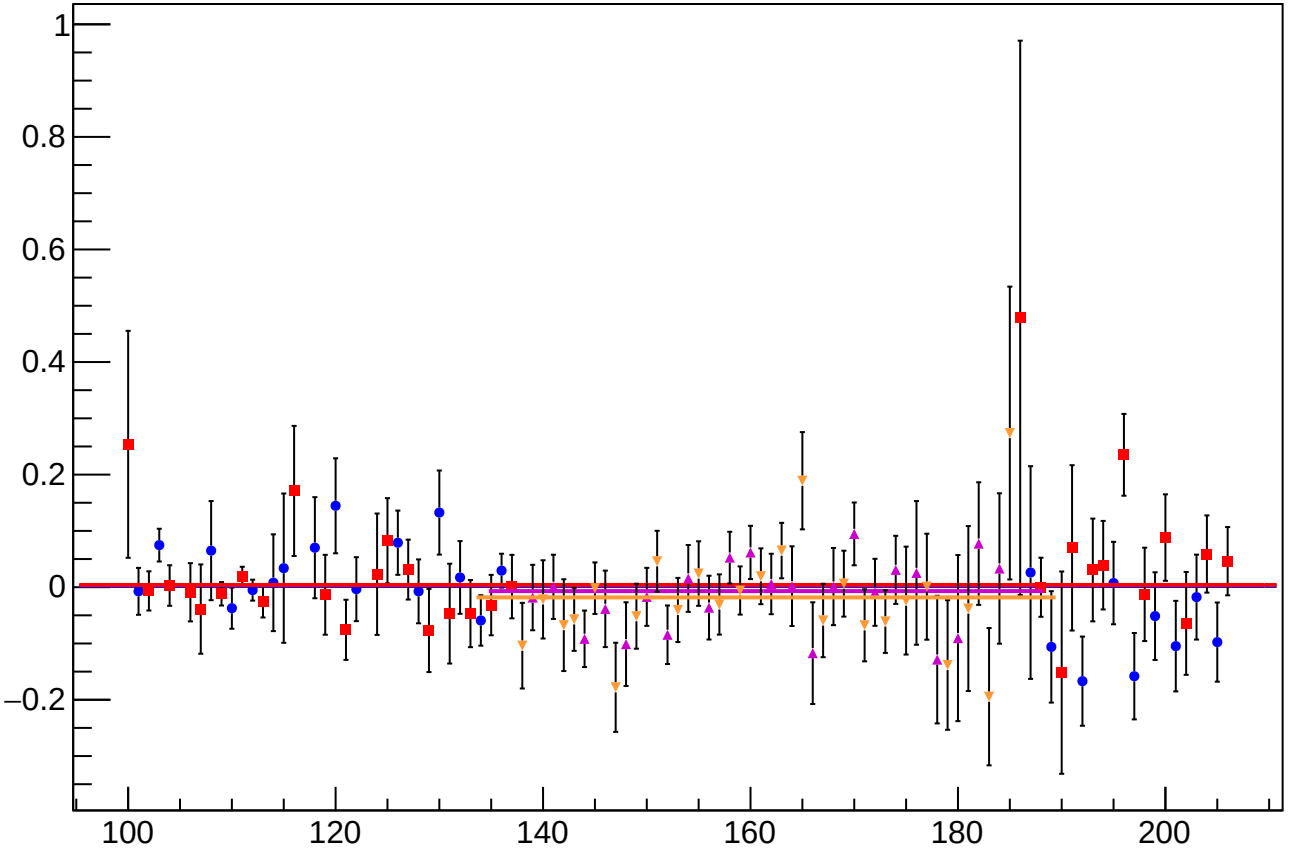
Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 39.176+/-0.006 χ^2/NDF: 14191333.9/49

All: 36.851+/-0.004 χ^2/NDF: 33968308.7/103

- sign 34.883+/-0.005 χ^2/NDF: 19450339.9/53

asym_sam5_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.004+/-0.009 χ^2/NDF: 28.2/30

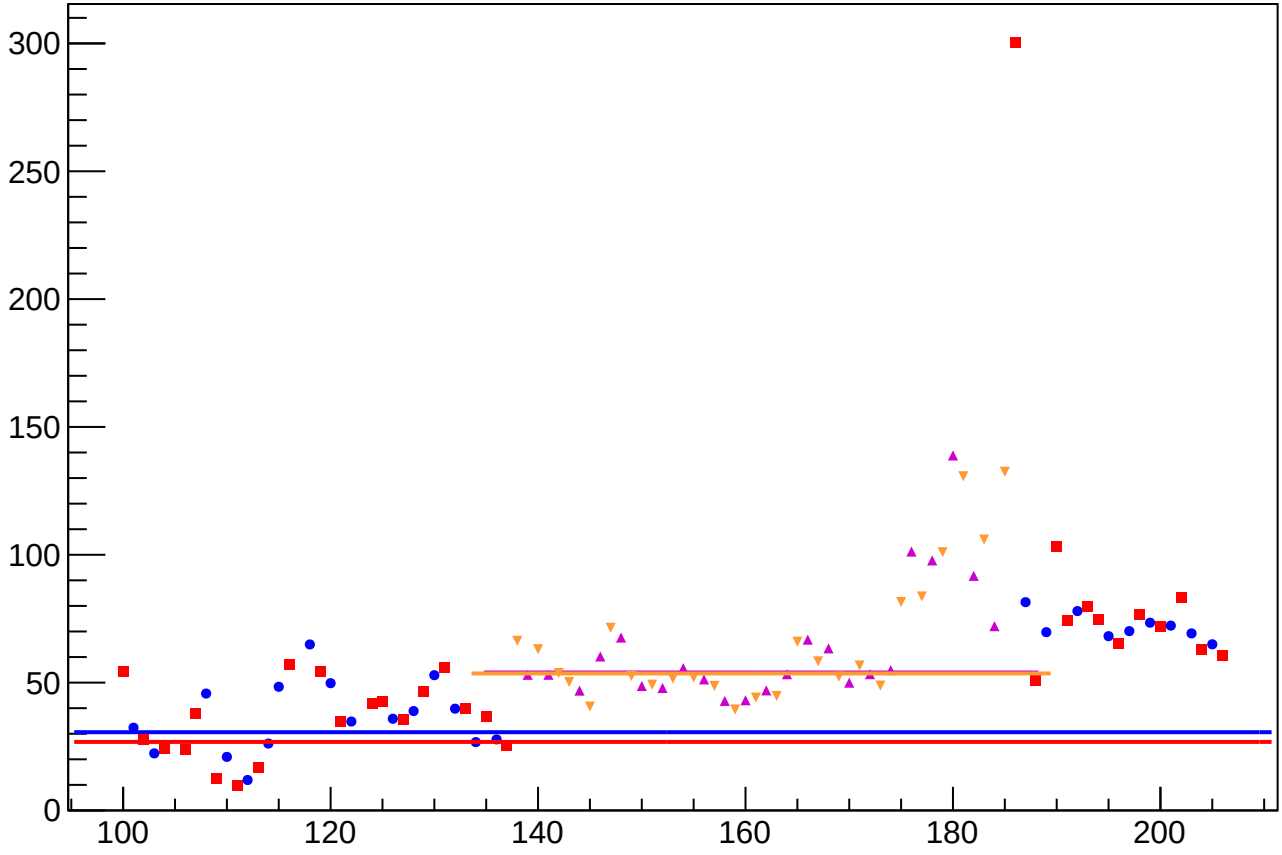
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 59.6/49

All: -0.002+/-0.005 χ^2/NDF: 107.3/103

- sign 0.001+/-0.007 χ^2/NDF: 47.4/53

asym_sam5_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.610+/-0.007 χ^2/NDF: 7509406.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642509.0/24

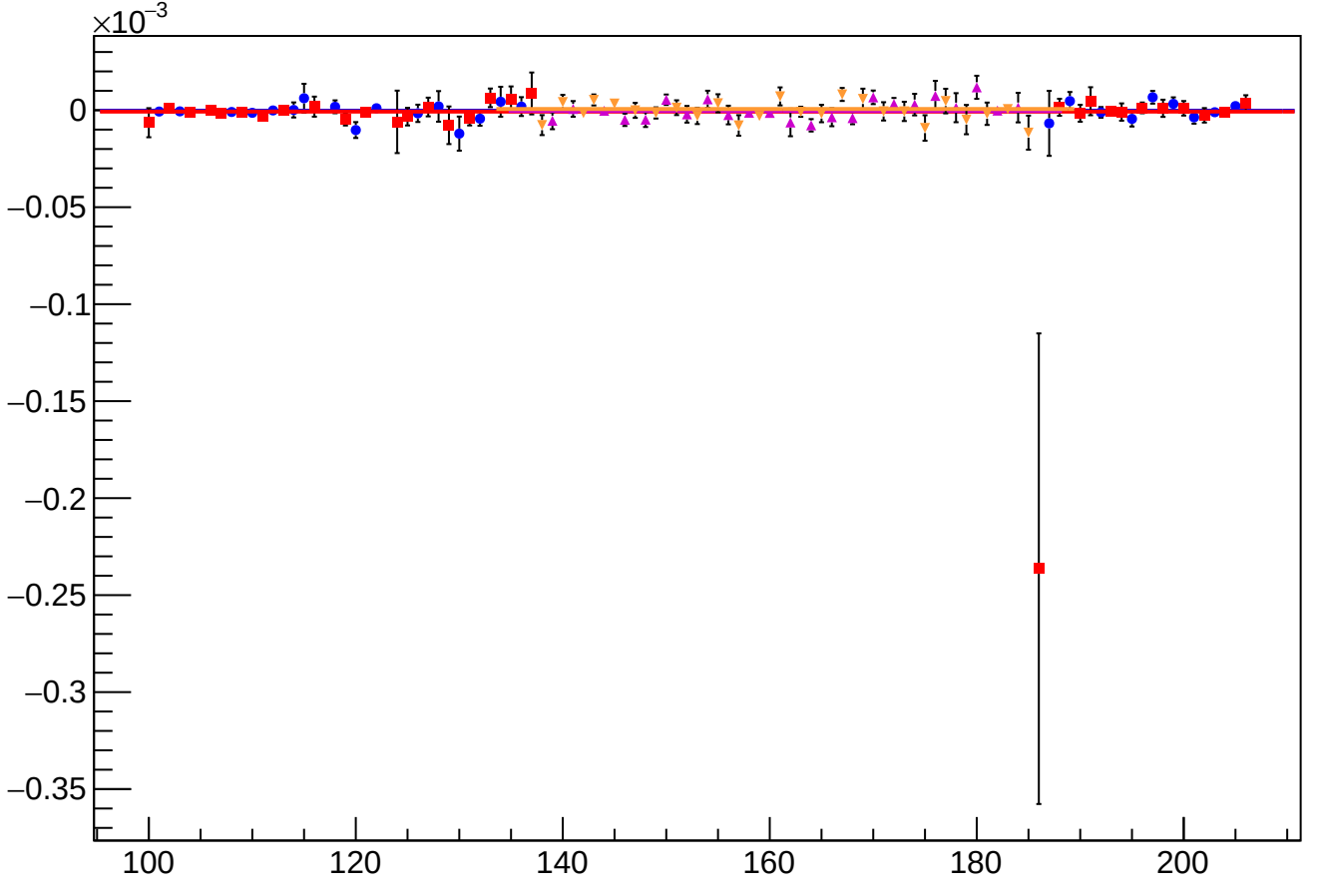
Right Out: 26.813+/-0.006 χ^2/NDF: 11459383.6/30

Left In: 53.961+/-0.009 χ^2/NDF:2039530.1/22

+ sign 39.176+/-0.006 χ^2/NDF: 14191333.9/49

All: 36.851+/-0.004 χ^2/NDF: 33968308.7/103

- sign 34.883+/-0.005 χ^2/NDF: 19450339.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 22.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 18.7/30

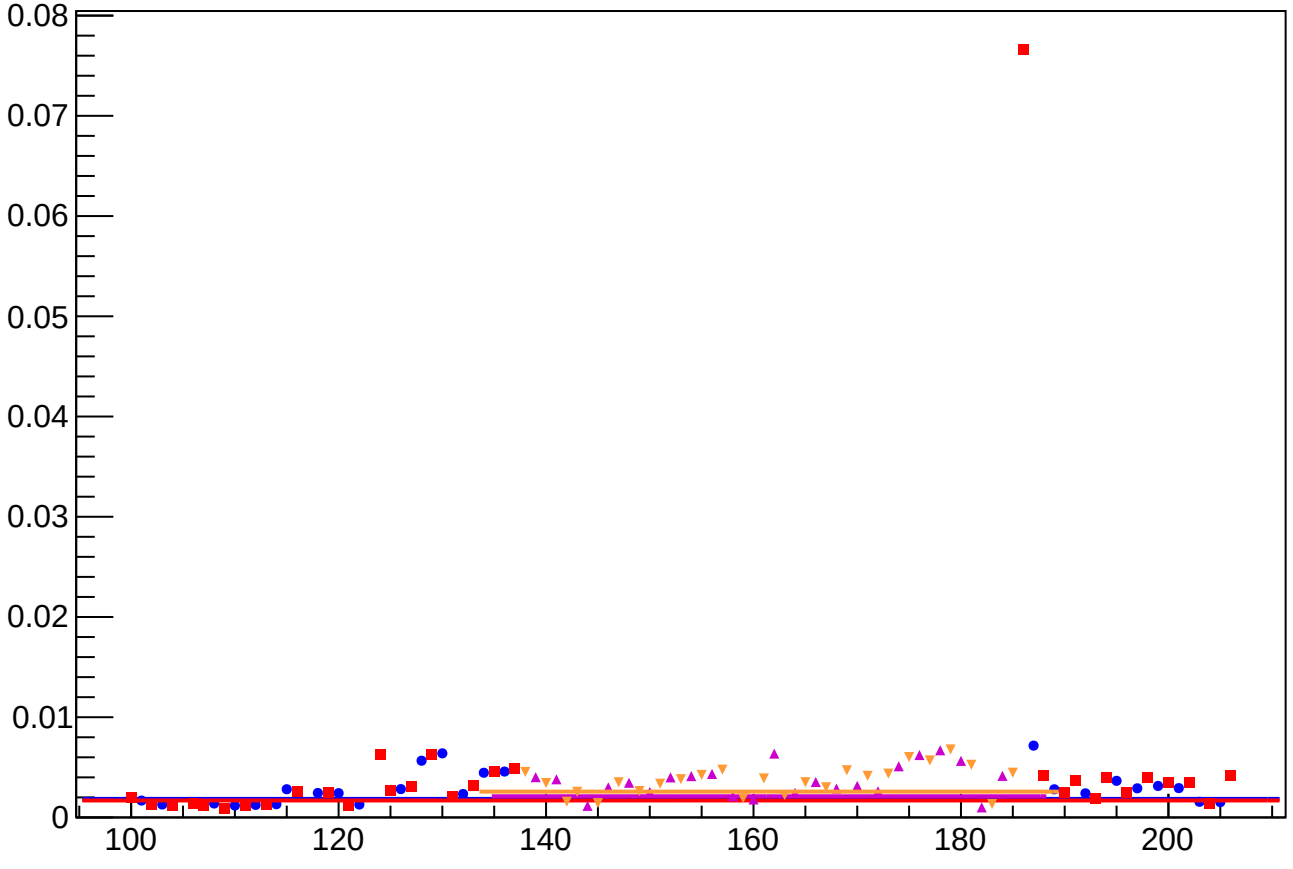
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 54.7/49

All: -0.000+/-0.000 χ^2/NDF: 105.9/103

- sign -0.000+/-0.000 χ^2/NDF: 49.8/53

asym_sam5_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4710762.6/24

Left Out: 0.003+/-0.000 χ^2/NDF:7112963.2/24

Right Out: 0.002+/-0.000 χ^2/NDF: 7966625.6/30

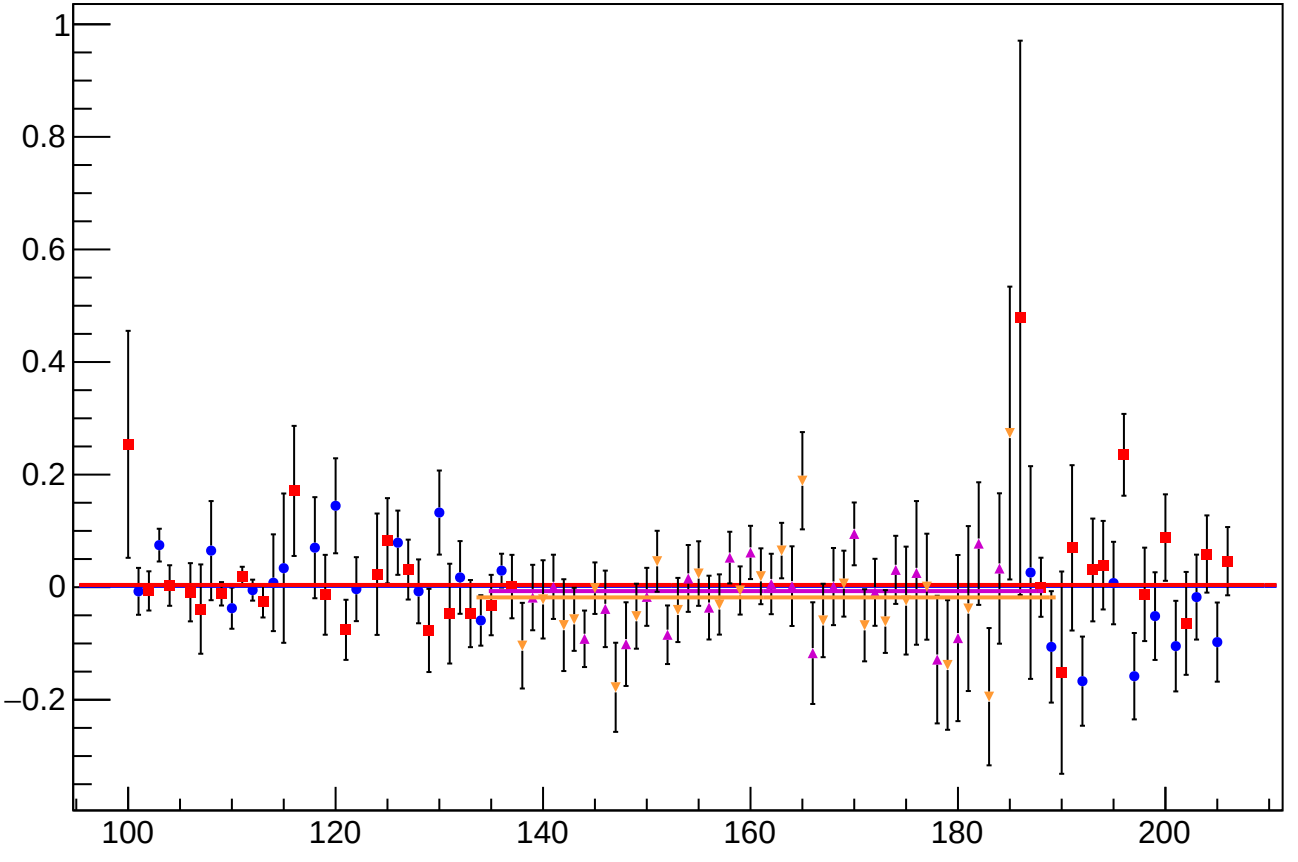
Left In: 0.002+/-0.000 χ^2/NDF:9487138.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 13217043.5/49

All: 0.002+/-0.000 χ^2/NDF: 31761758.4/103

- sign 0.002+/-0.000 χ^2/NDF: 18050885.5/53

asym_sam5_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

Right Out: 0.004+/-0.009 χ^2/NDF: 28.2/30

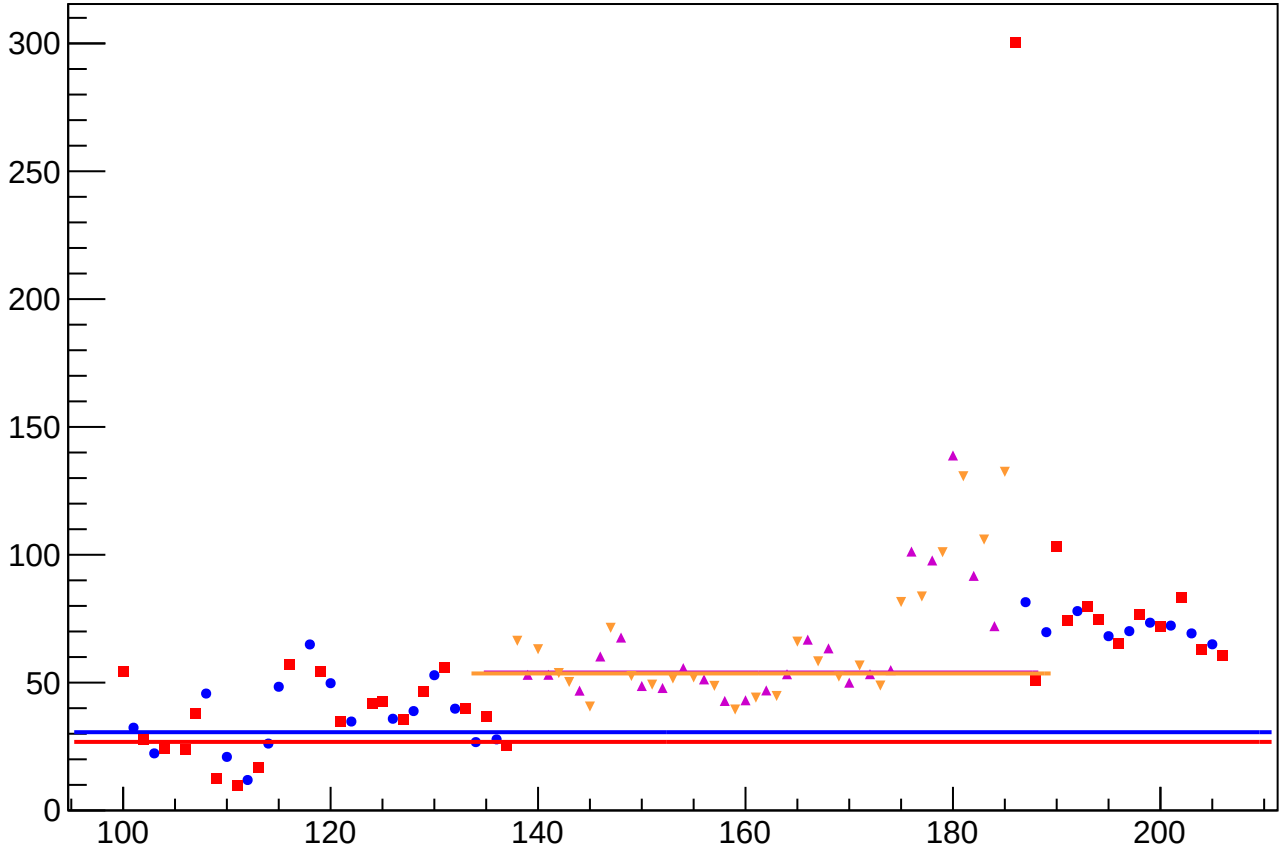
Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 59.6/49

All: -0.002+/-0.005 χ^2/NDF: 107.3/103

- sign 0.001+/-0.007 χ^2/NDF: 47.4/53

asym_sam5_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.609+/-0.007 χ^2/NDF: 7509482.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

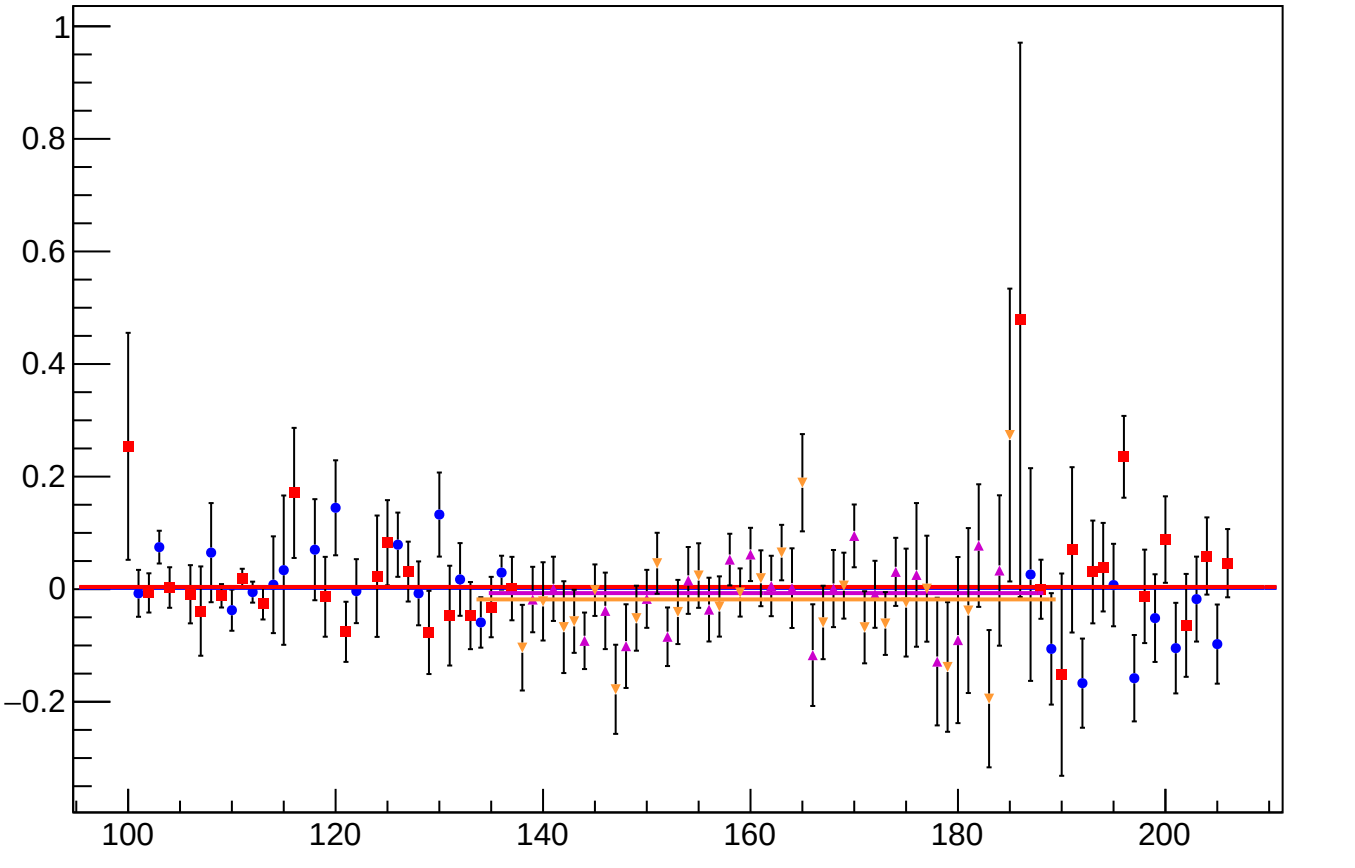
Right Out: 26.812+/-0.006 χ^2/NDF: 11459561.2/30

Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 39.175+/-0.006 χ^2/NDF: 14191815.2/49

All: 36.850+/-0.004 χ^2/NDF: 33969493.7/103

- sign 34.882+/-0.005 χ^2/NDF: 19451016.0/53



Right In: 0.002+/-0.010 χ^2/NDF: 33.7/24

Left Out: -0.018+/-0.013 χ^2/NDF:24.3/24

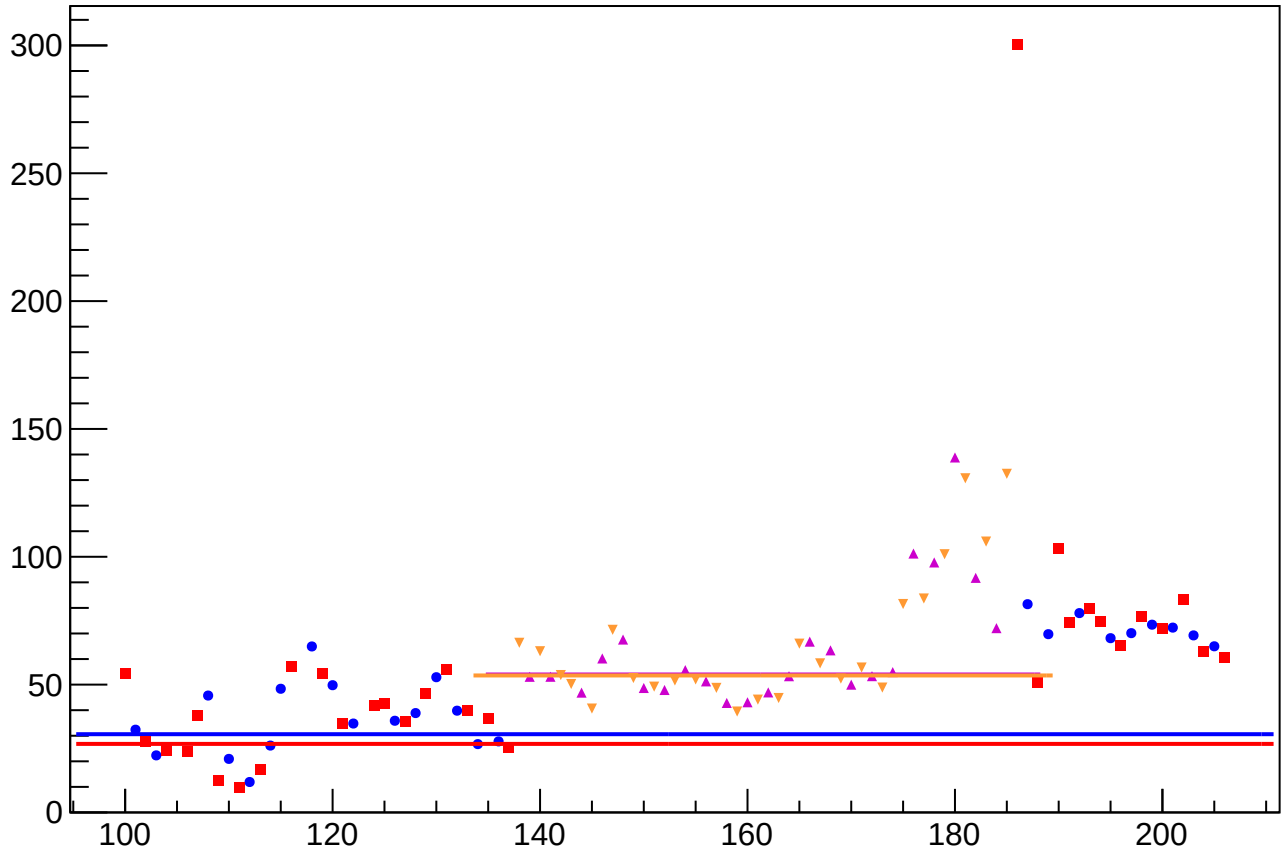
Right Out: 0.004+/-0.009 χ^2/NDF: 28.2/30

Left In: -0.007+/-0.013 χ^2/NDF:18.7/22

+ sign -0.005+/-0.008 χ^2/NDF: 59.6/49

All: -0.002+/-0.005 χ^2/NDF: 107.3/103

- sign 0.001+/-0.007 χ^2/NDF: 47.4/53



Right In: 30.609+/-0.007 χ^2/NDF: 7509482.3/24

Left Out: 53.582+/-0.009 χ^2/NDF:2642554.6/24

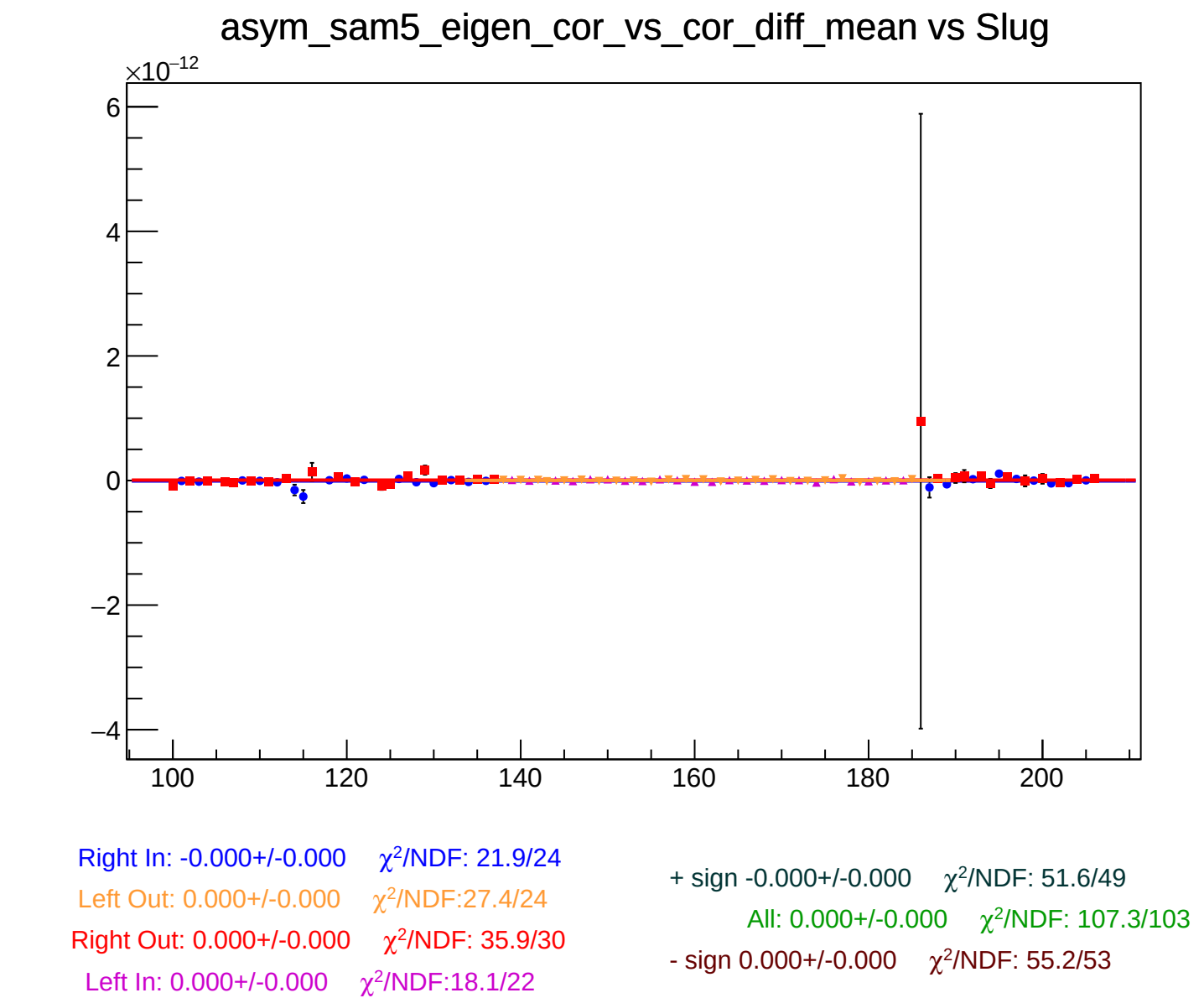
Right Out: 26.812+/-0.006 χ^2/NDF: 11459561.2/30

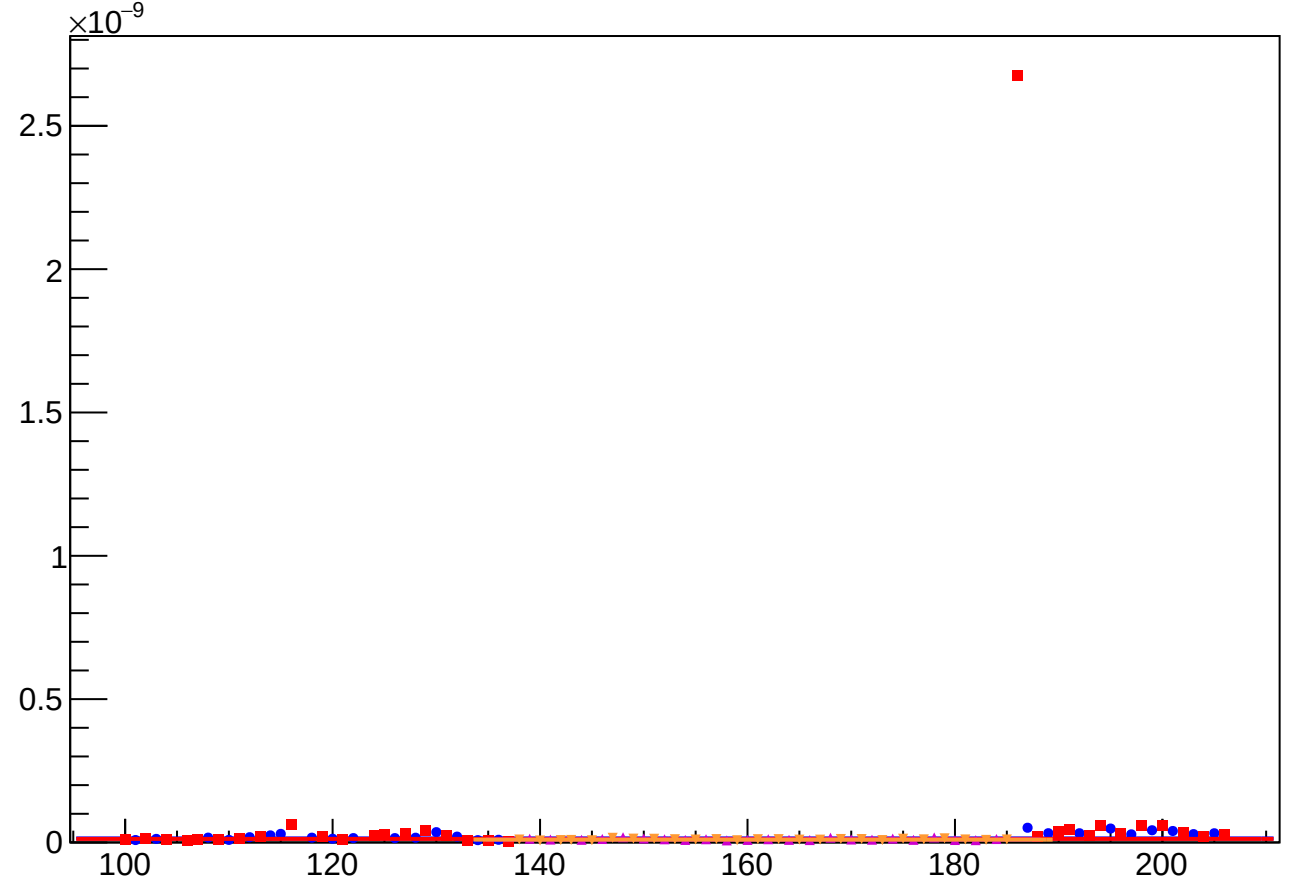
Left In: 53.961+/-0.009 χ^2/NDF:2039571.7/22

+ sign 39.175+/-0.006 χ^2/NDF: 14191815.2/49

All: 36.850+/-0.004 χ^2/NDF: 33969493.7/103

- sign 34.882+/-0.005 χ^2/NDF: 19451016.0/53


asym_sam5_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
6
4
2
0
−2
−4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 21.9/24
Left Out: 0.000+/-0.000 χ²/NDF:27.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 35.9/30
Left In: 0.000+/-0.000 χ²/NDF:18.1/22
+ sign -0.000+/-0.000 χ²/NDF: 51.6/49
All: 0.000+/-0.000 χ²/NDF: 107.3/103
- sign 0.000+/-0.000 χ²/NDF: 55.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 4844560.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1196110.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7996078.9/30

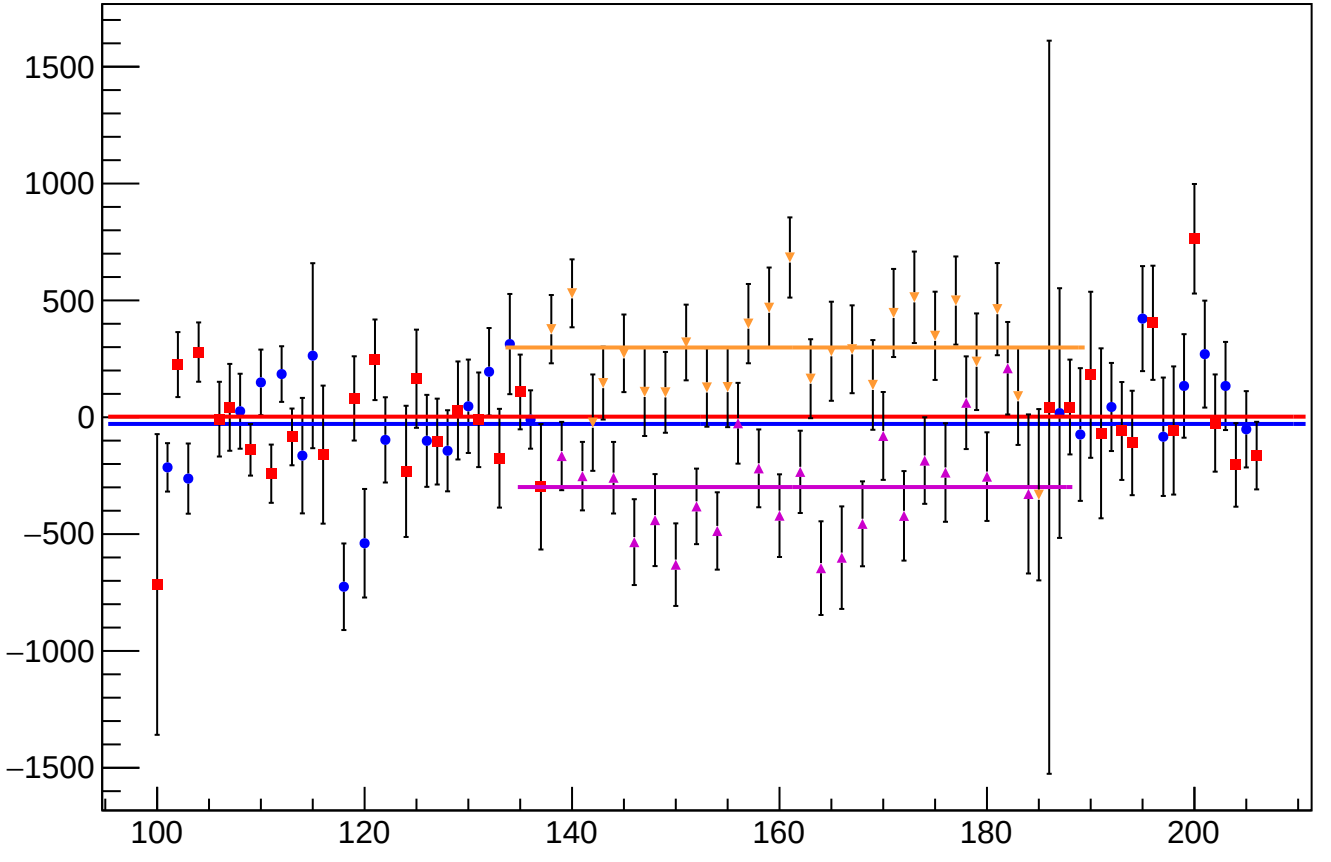
Left In: 0.000+/-0.000 χ^2/NDF:1313644.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 6968709.6/49

All: 0.000+/-0.000 χ^2/NDF: 16587607.6/103

- sign 0.000+/-0.000 χ^2/NDF: 9617359.0/53

reg_asym_sam6_mean vs Slug



Right In: -28.620+/-35.777 χ^2/NDF: 42.5/24

Left Out: 298.517+/-36.051 χ^2/NDF:26.0/24

Right Out: 2.508+/-33.418 χ^2/NDF: 37.8/30

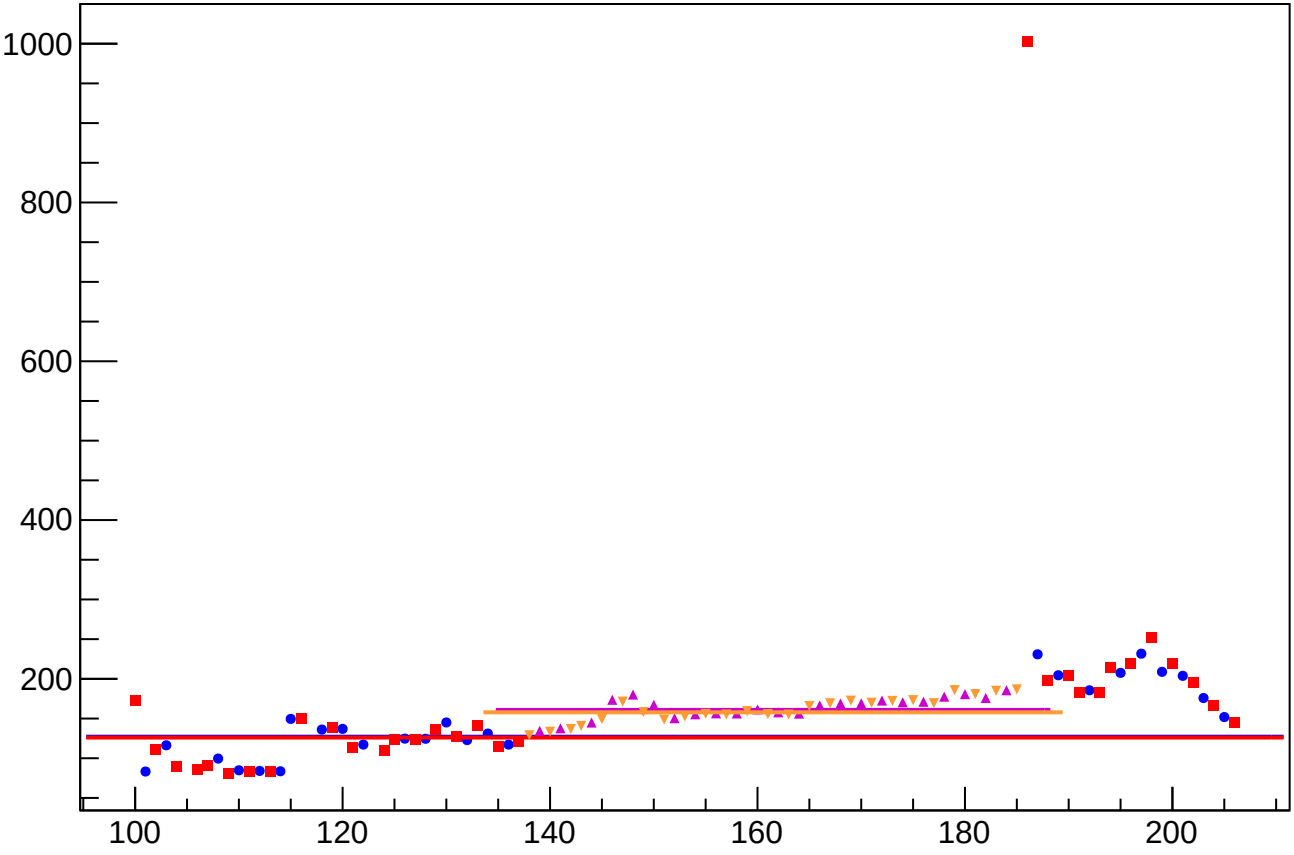
Left In: -298.675+/-37.727 χ^2/NDF:29.4/22

+ sign 133.702+/-25.394 χ^2/NDF: 110.0/49

All: -0.086+/-17.821 χ^2/NDF: 267.6/103

- sign -129.908+/-25.015 χ^2/NDF: 102.9/53

reg_asym_sam6_rms vs Slug



Right In: 127.115+/-0.025 χ^2/NDF: 2674762.9/24

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.064+/-0.024 χ^2/NDF: 4156794.9/30

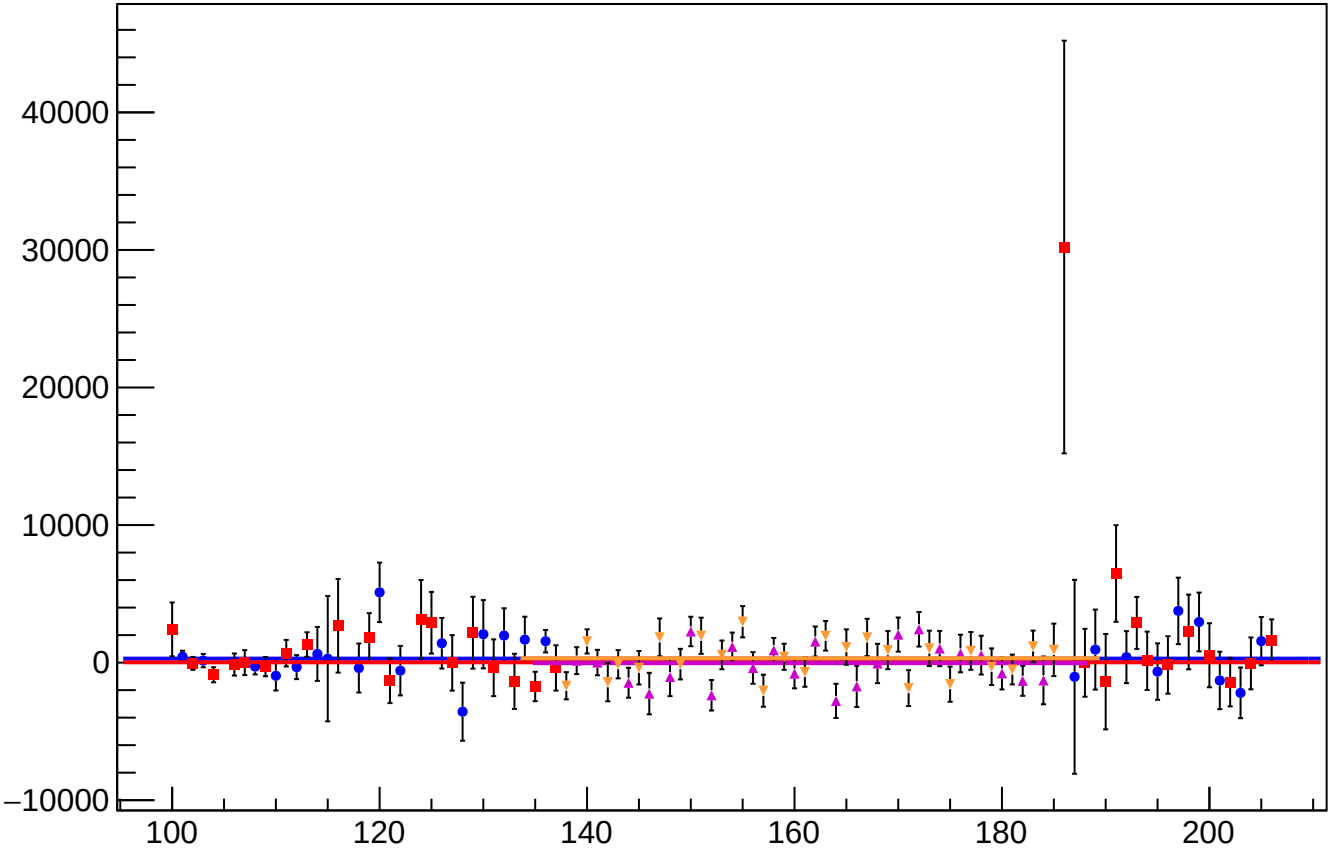
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.359+/-0.018 χ^2/NDF: 3783678.0/49

All: 141.856+/-0.013 χ^2/NDF: 9164440.6/103

- sign 141.369+/-0.018 χ^2/NDF: 5379219.5/53

asym_sam6_reg_correction_mean vs Slug



Right In: 290.223+/-219.845 χ^2/NDF: 23.3/24

Left Out: 319.947+/-235.084 χ^2/NDF:32.5/24

Right Out: 23.826+/-218.322 χ^2/NDF: 28.6/30

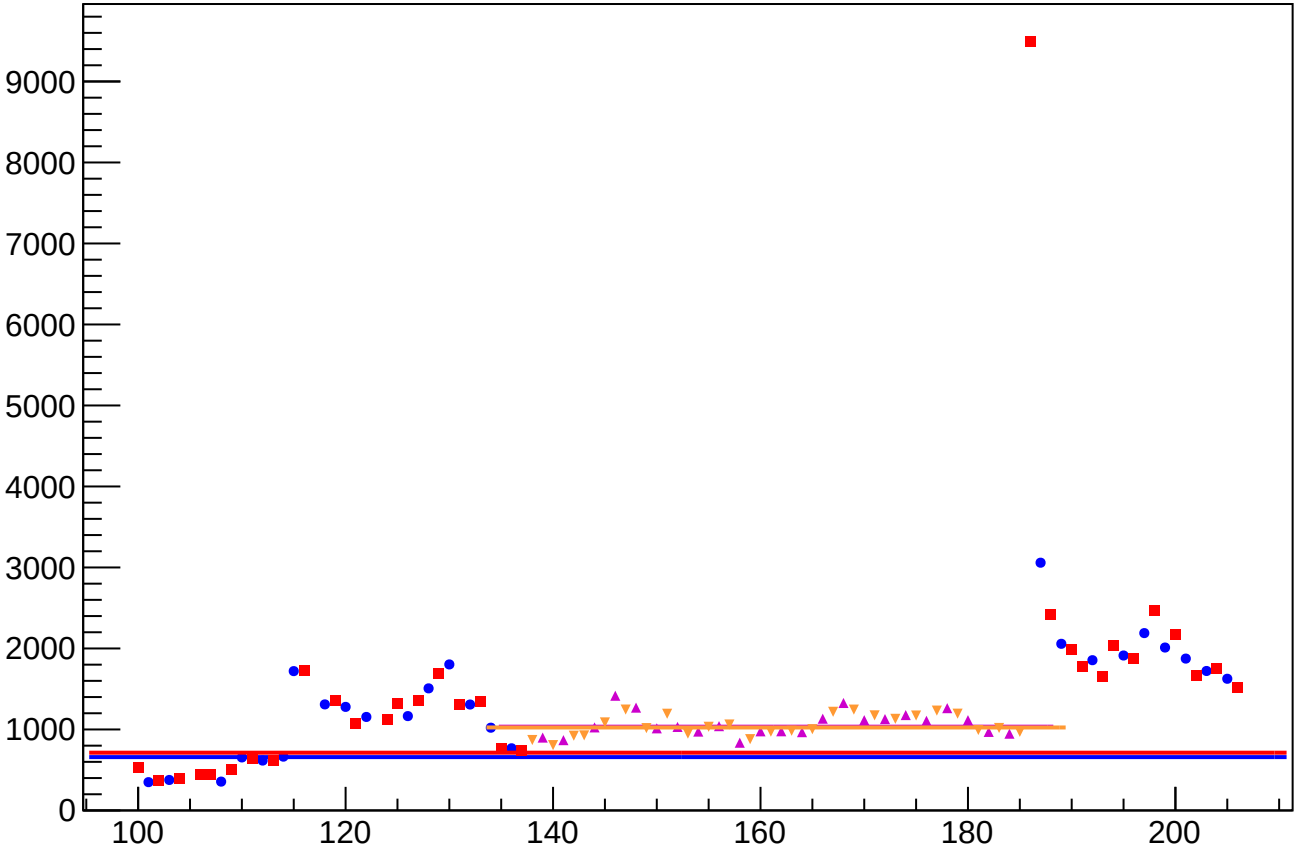
Left In: -39.197+/-244.156 χ^2/NDF:34.8/22

+ sign 304.091+/-160.571 χ^2/NDF: 55.9/49

All: 152.032+/-114.302 χ^2/NDF: 121.1/103

- sign -4.176+/-162.747 χ^2/NDF: 63.4/53

asym_sam6_reg_correction_rms vs Slug



Right In: 658.676+/-0.155 χ^2/NDF: 10001732.4/24

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.4/24

Right Out: 713.211+/-0.154 χ^2/NDF: 11302558.8/30

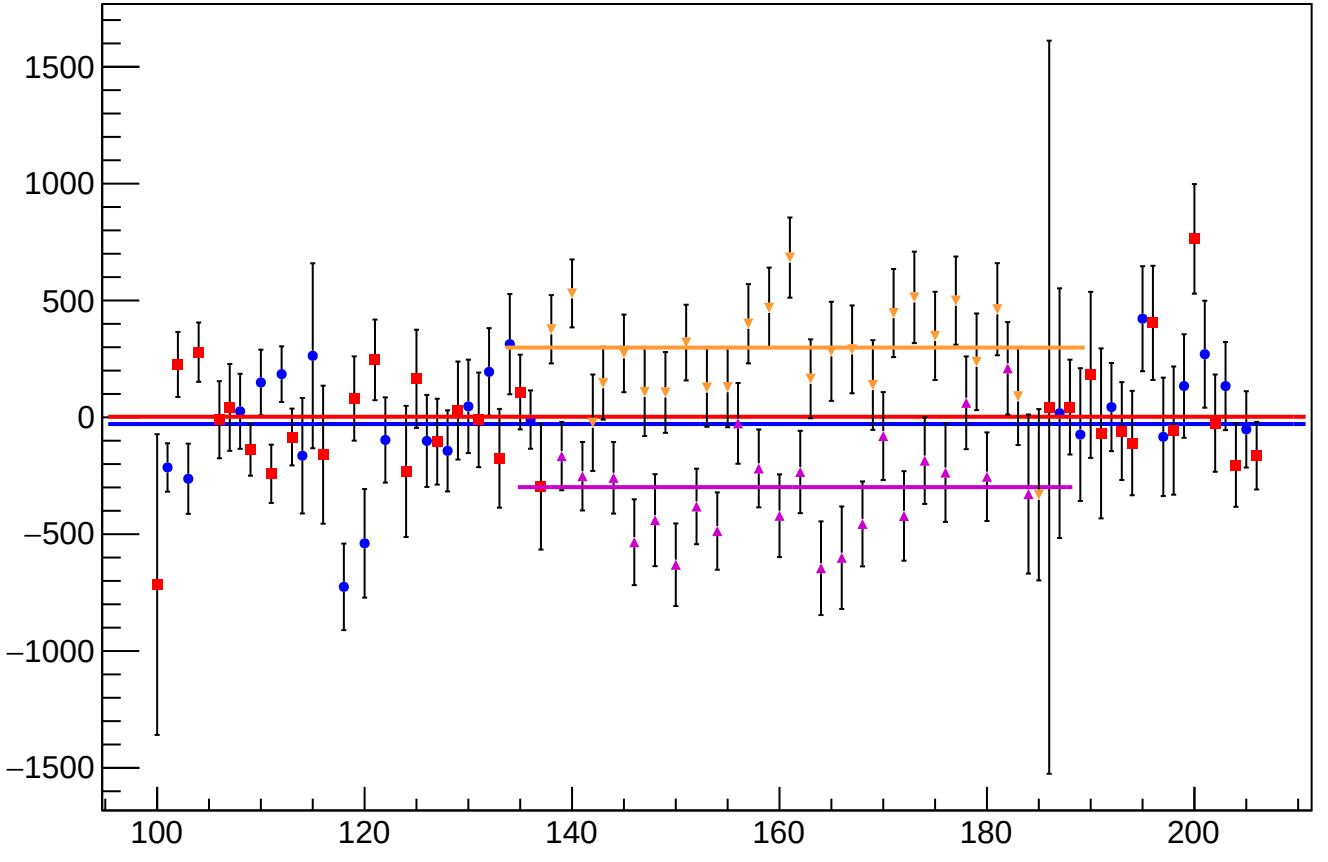
Left In: 1034.428+/-0.173 χ^2/NDF:628477.2/22

+ sign 829.344+/-0.114 χ^2/NDF: 13182896.4/49

All: 842.459+/-0.081 χ^2/NDF: 27064608.1/10

- sign 855.932+/-0.115 χ^2/NDF: 13854663.5/53

cor_asym_sam6_mean vs Slug



Right In: -28.643+/-35.777 χ^2/NDF: 42.5/24

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 2.482+/-33.462 χ^2/NDF: 37.8/30

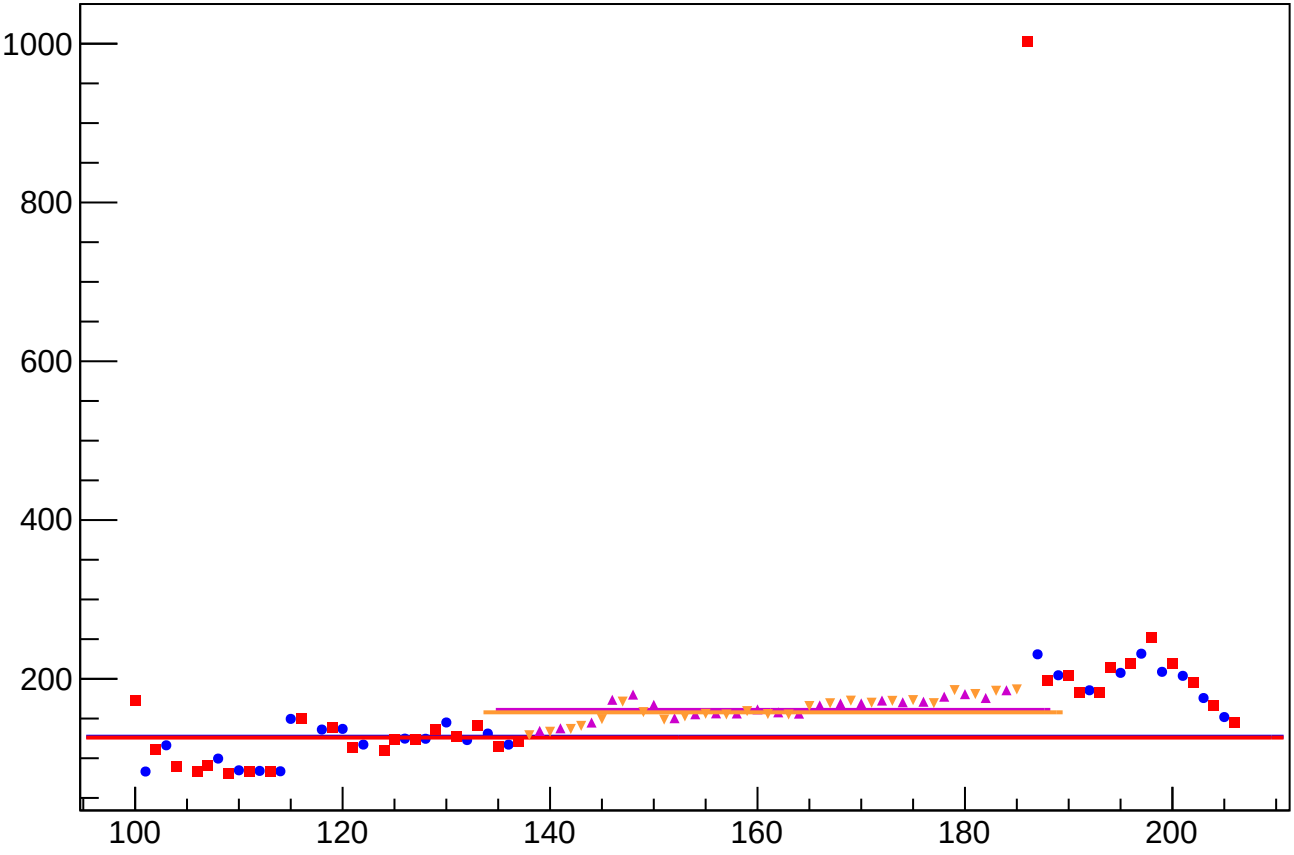
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 133.691+/-25.394 χ^2/NDF: 110.0/49

All: -0.102+/-17.828 χ^2/NDF: 267.6/103

- sign -130.124+/-25.034 χ^2/NDF: 102.9/53

cor_asym_sam6_rms vs Slug



Right In: 127.115+/-0.025 χ^2/NDF: 2674761.4/24

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.042+/-0.024 χ^2/NDF: 4168456.1/30

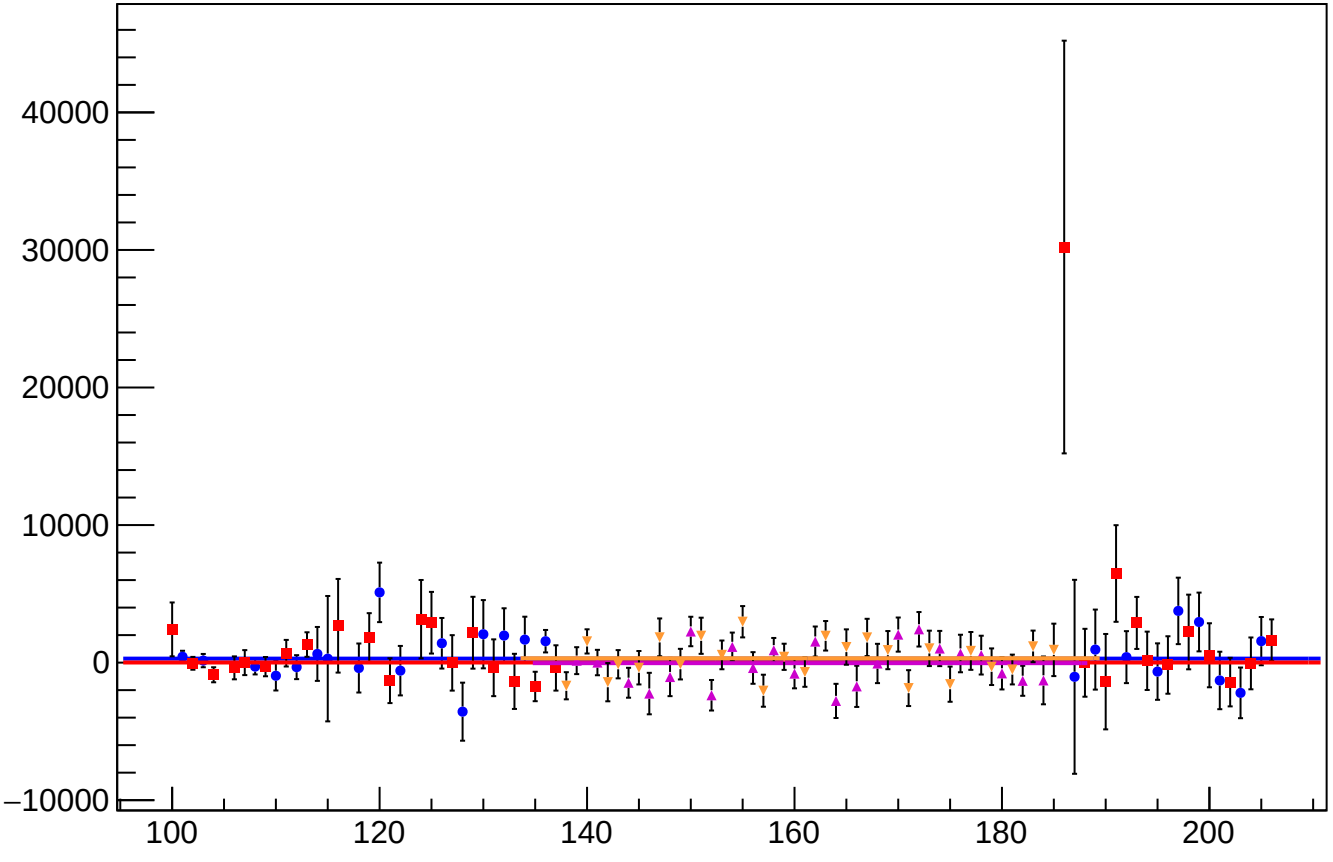
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.359+/-0.018 χ^2/NDF: 3783673.8/49

All: 141.862+/-0.013 χ^2/NDF: 9176189.7/103

- sign 141.379+/-0.018 χ^2/NDF: 5391005.4/53

asym_sam6_cor_correction_mean vs Slug



Right In: 290.351+/-219.839 χ^2/NDF: 23.3/24

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 8.633+/-218.843 χ^2/NDF: 28.8/30

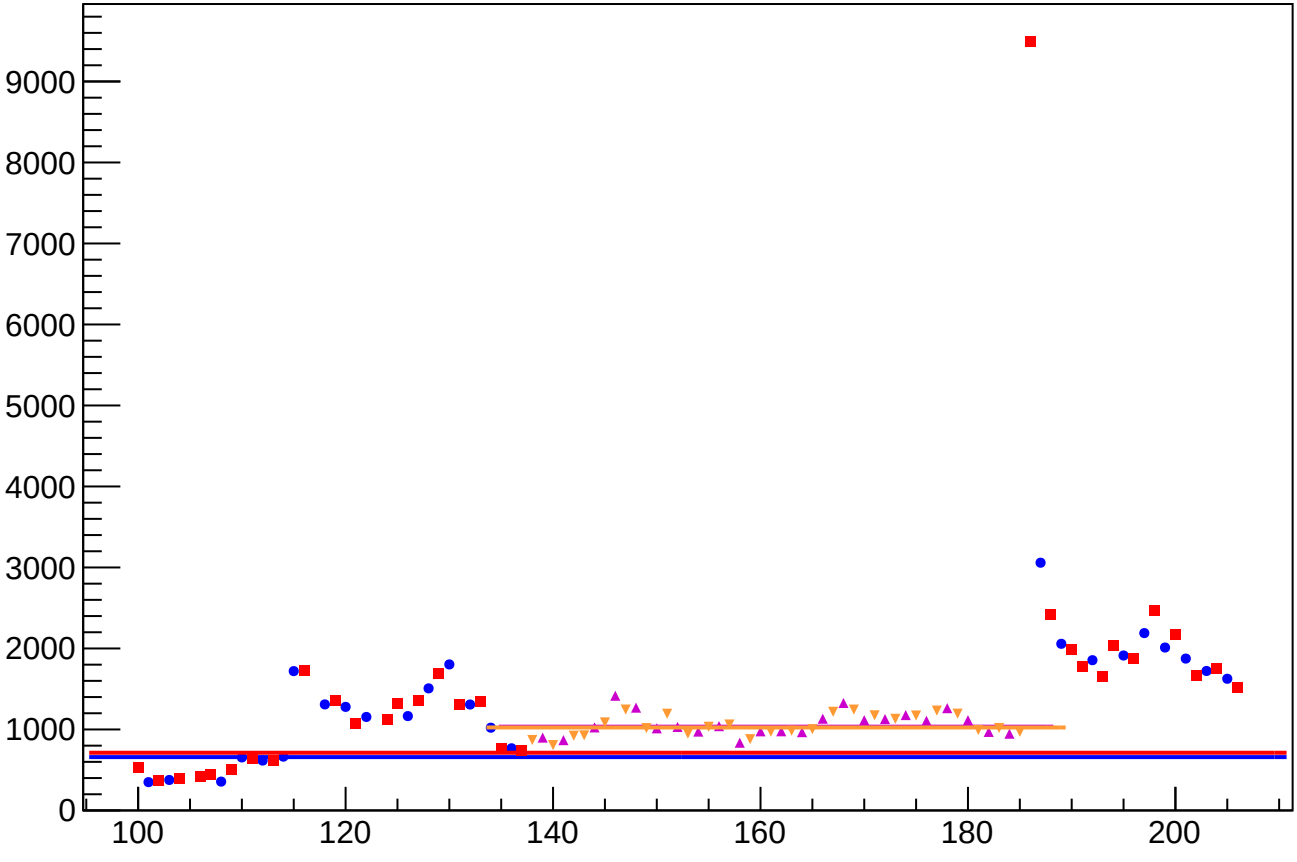
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 304.161+/-160.569 χ^2/NDF: 55.8/49

All: 148.087+/-114.376 χ^2/NDF: 121.4/103

- sign -12.675+/-162.962 χ^2/NDF: 63.6/53

asym_sam6_cor_correction_rms vs Slug



Right In: 658.649+/-0.155 χ^2/NDF: 10002168.6/24

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 712.537+/-0.155 χ^2/NDF: 11335332.3/30

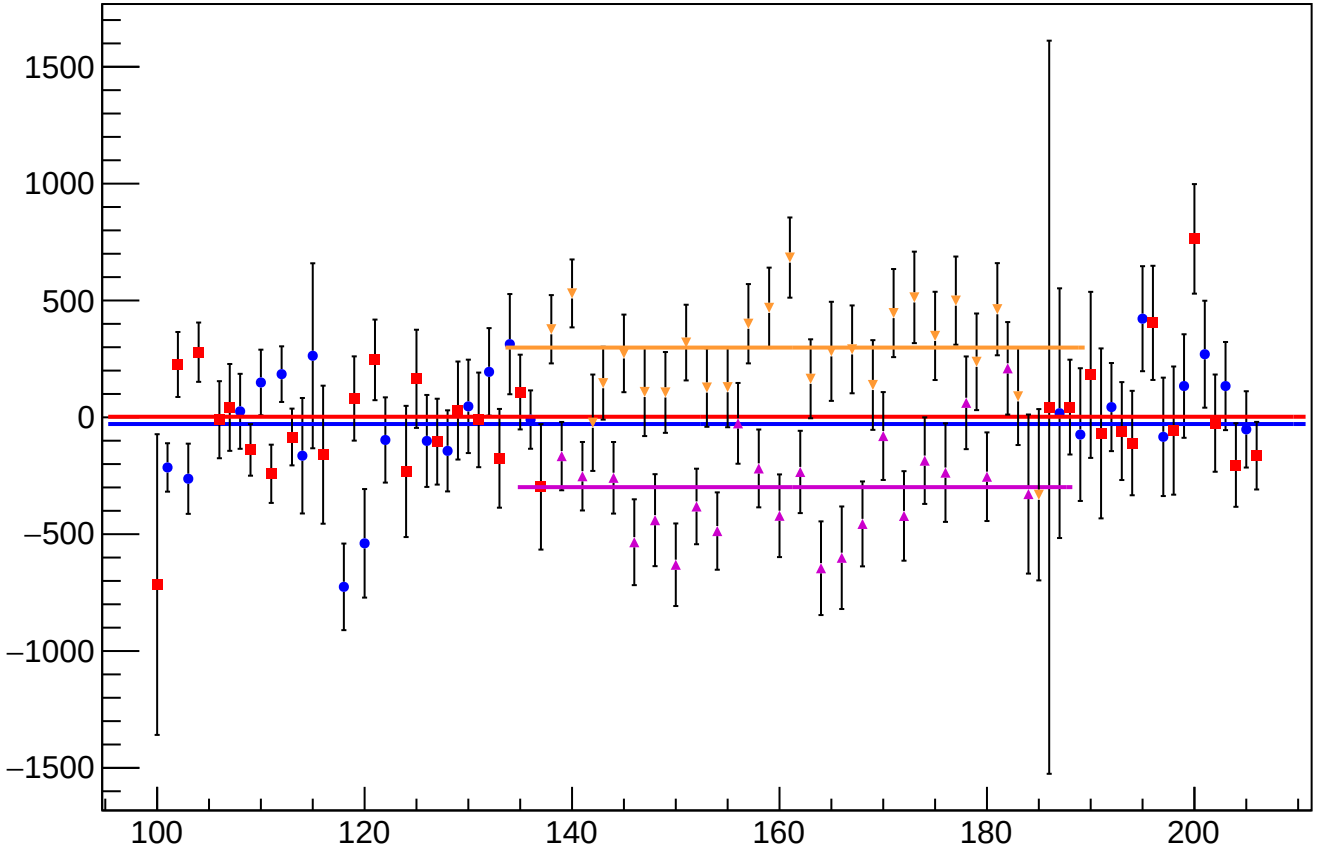
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 829.325+/-0.114 χ^2/NDF: 13183777.0/49

All: 842.434+/-0.081 χ^2/NDF: 27102260.3/10

- sign 855.936+/-0.115 χ^2/NDF: 13891422.7/53

eigen_cor_asym_sam6_mean vs Slug



Right In: -28.643+/-35.777 χ^2/NDF: 42.5/24

Left Out: 298.518+/-36.051 χ^2/NDF:26.0/24

Right Out: 2.482+/-33.462 χ^2/NDF: 37.8/30

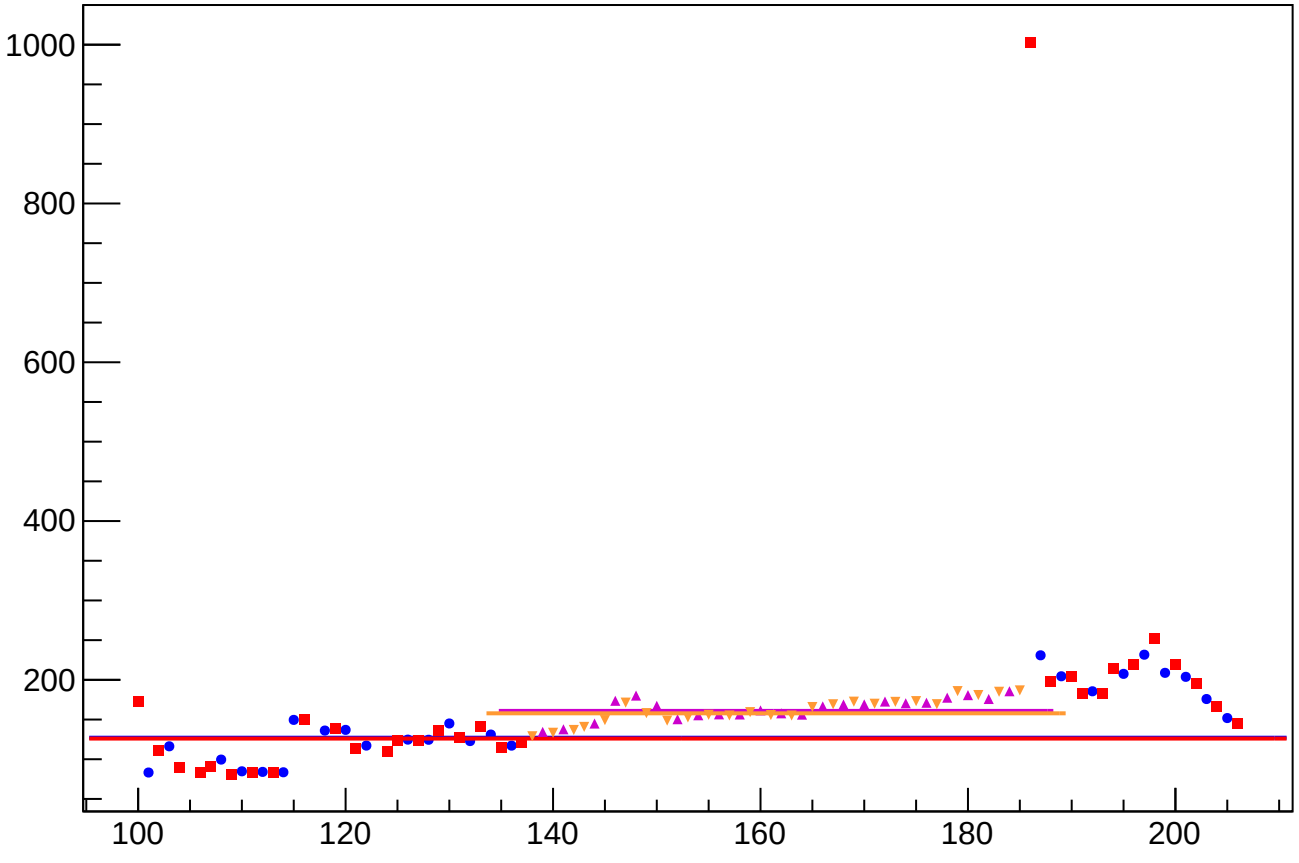
Left In: -298.682+/-37.727 χ^2/NDF:29.4/22

+ sign 133.691+/-25.394 χ^2/NDF: 110.0/49

All: -0.102+/-17.828 χ^2/NDF: 267.6/103

- sign -130.124+/-25.034 χ^2/NDF: 102.9/53

eigen_cor_asym_sam6_rms vs Slug



Right In: 127.115+/-0.025 χ^2/NDF: 2674761.4/24

Left Out: 157.836+/-0.025 χ^2/NDF:377205.2/24

Right Out: 126.042+/-0.024 χ^2/NDF: 4168456.1/30

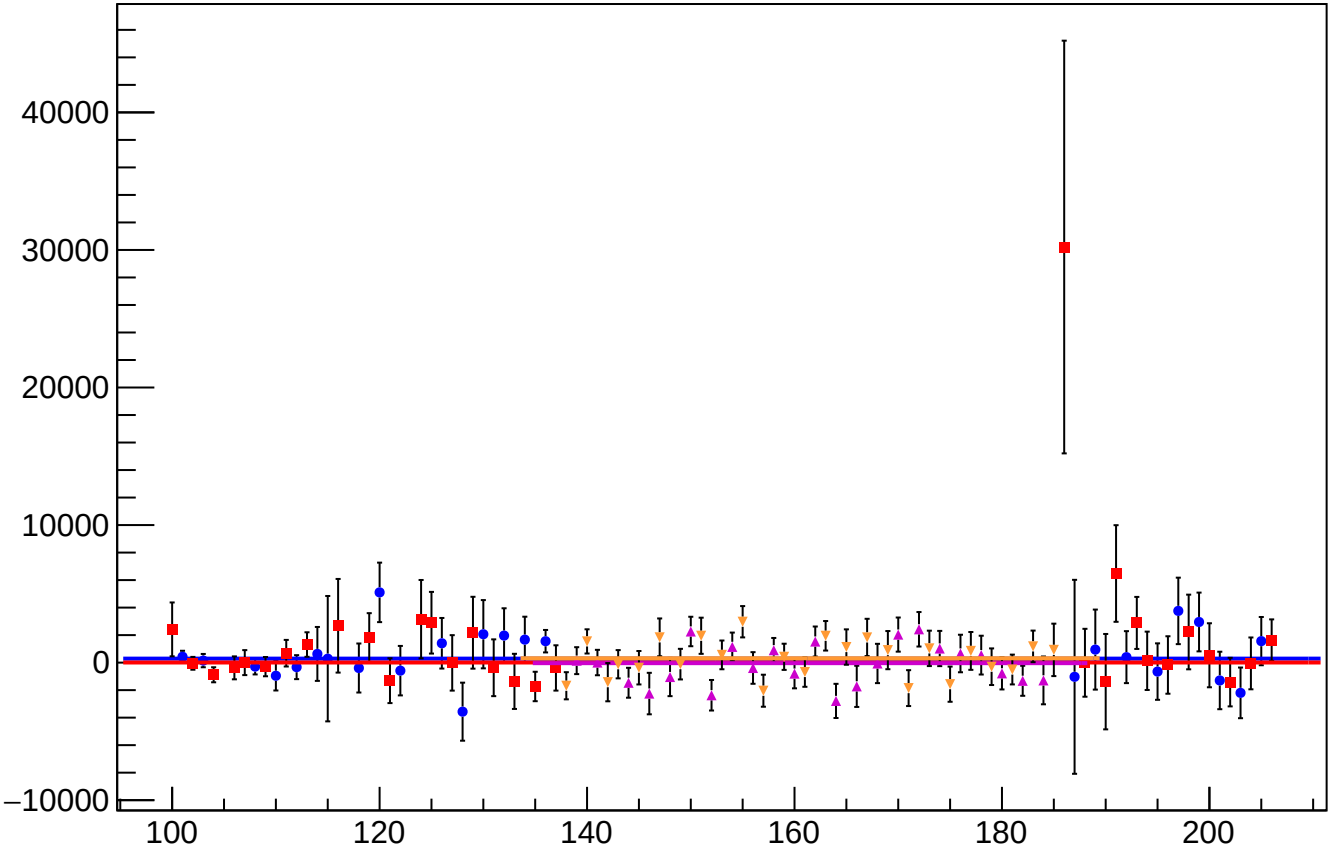
Left In: 160.874+/-0.027 χ^2/NDF:268330.7/22

+ sign 142.359+/-0.018 χ^2/NDF: 3783673.8/49

All: 141.862+/-0.013 χ^2/NDF: 9176189.7/103

- sign 141.379+/-0.018 χ^2/NDF: 5391005.4/53

asym_sam6_eigen_cor_correction_mean vs Slug



Right In: 290.351+/-219.839 χ^2/NDF: 23.3/24

Left Out: 319.953+/-235.084 χ^2/NDF:32.5/24

Right Out: 8.633+/-218.843 χ^2/NDF: 28.8/30

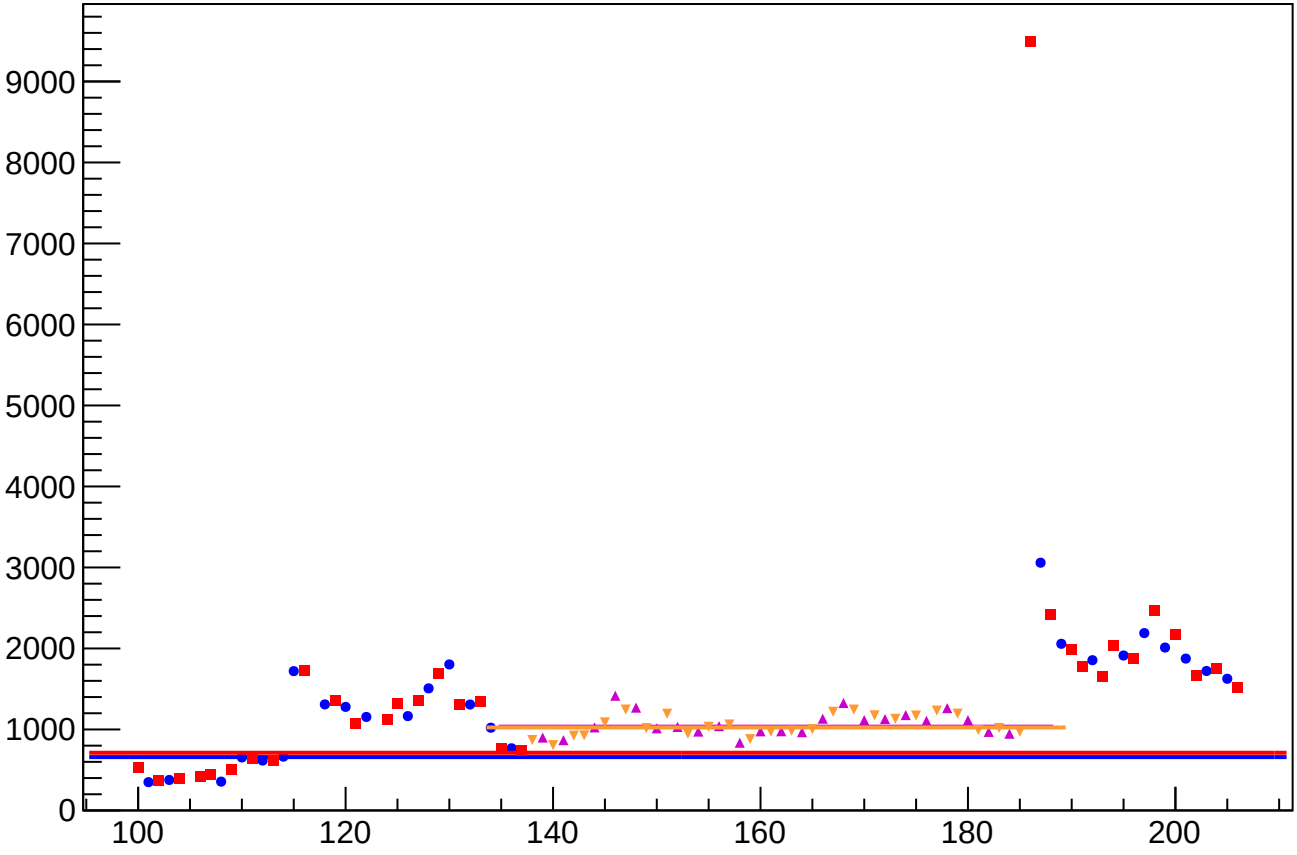
Left In: -39.198+/-244.156 χ^2/NDF:34.8/22

+ sign 304.161+/-160.569 χ^2/NDF: 55.8/49

All: 148.087+/-114.376 χ^2/NDF: 121.4/103

- sign -12.675+/-162.962 χ^2/NDF: 63.6/53

asym_sam6_eigen_cor_correction_rms vs Slug



Right In: 658.649+/-0.155 χ^2/NDF: 10002168.6/24

Left Out: 1024.493+/-0.166 χ^2/NDF:597629.0/24

Right Out: 712.537+/-0.155 χ^2/NDF: 11335332.3/30

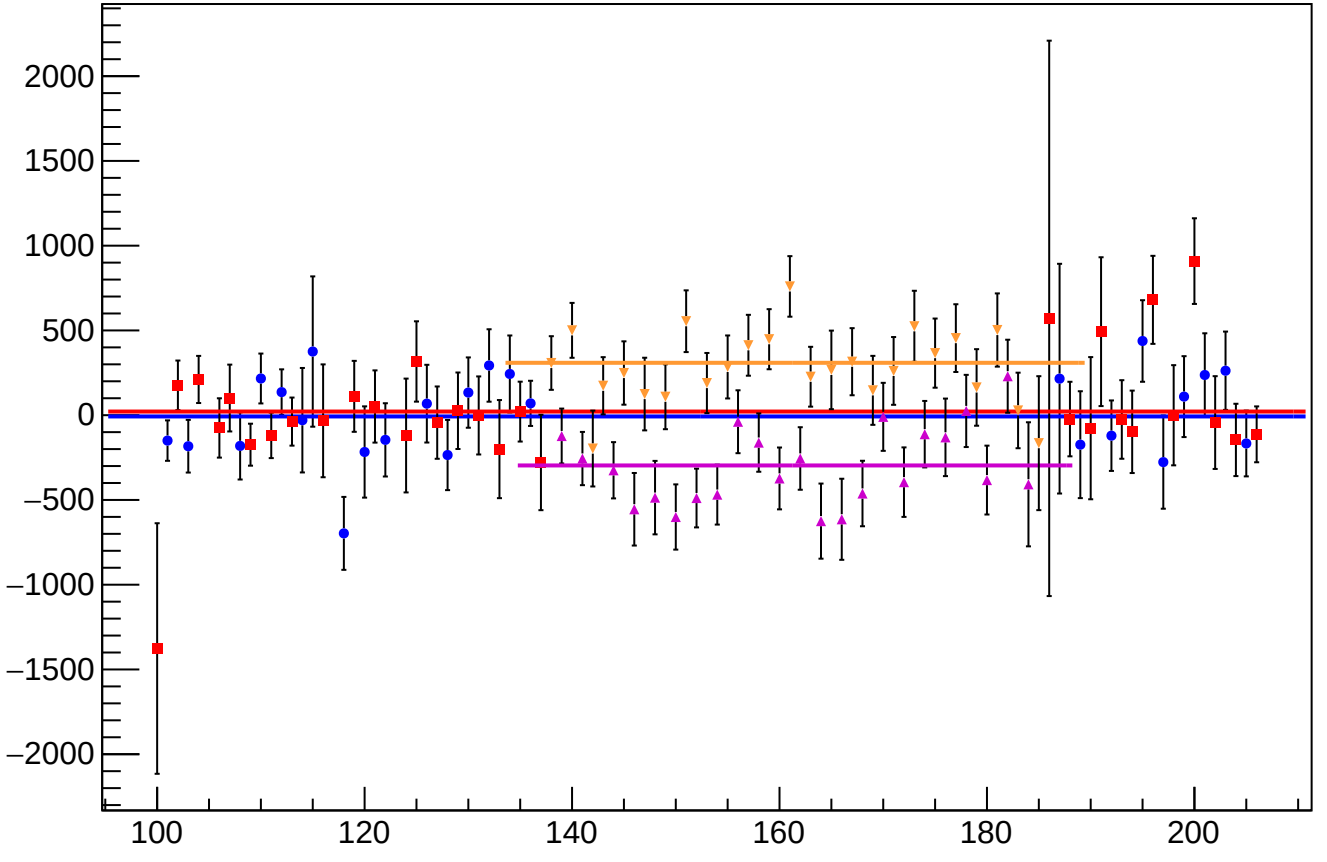
Left In: 1034.428+/-0.173 χ^2/NDF:628474.5/22

+ sign 829.325+/-0.114 χ^2/NDF: 13183777.0/49

All: 842.434+/-0.081 χ^2/NDF: 27102260.3/10

- sign 855.936+/-0.115 χ^2/NDF: 13891422.7/53

dit_asym_sam6_mean vs Slug



Right In: -7.441+/-40.170 χ^2/NDF: 32.6/24

Left Out: 309.031+/-38.901 χ^2/NDF:25.6/24

Right Out: 21.546+/-37.569 χ^2/NDF: 36.3/30

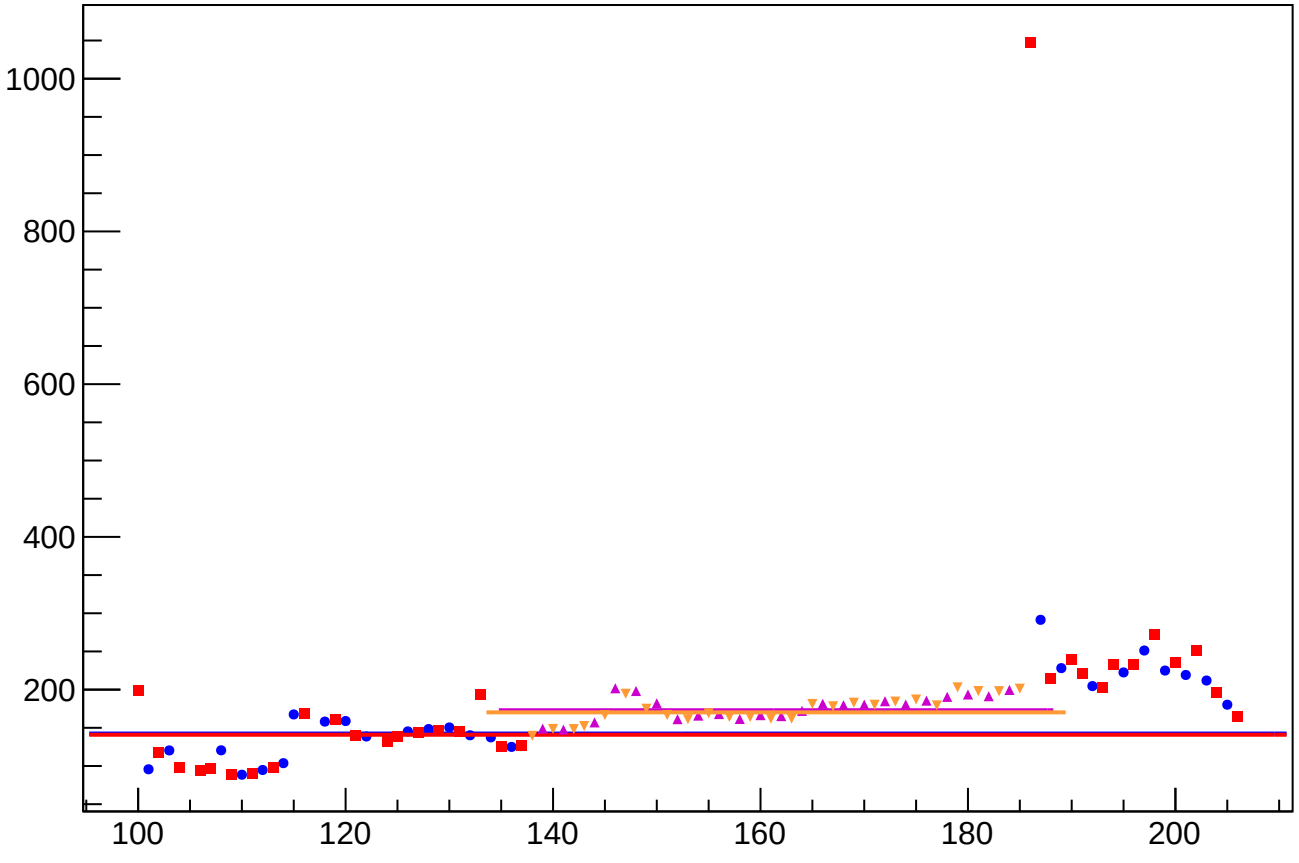
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 155.873+/-27.945 χ^2/NDF: 90.2/49

All: 13.506+/-19.628 χ^2/NDF: 238.7/103

- sign -125.134+/-27.577 χ^2/NDF: 97.2/53

dit_asym_sam6_rms vs Slug



Right In: 142.507+/-0.028 χ^2/NDF: 2637672.7/24

Left Out: 170.240+/-0.028 χ^2/NDF:366302.5/24

Right Out: 140.924+/-0.027 χ^2/NDF: 4330503.2/30

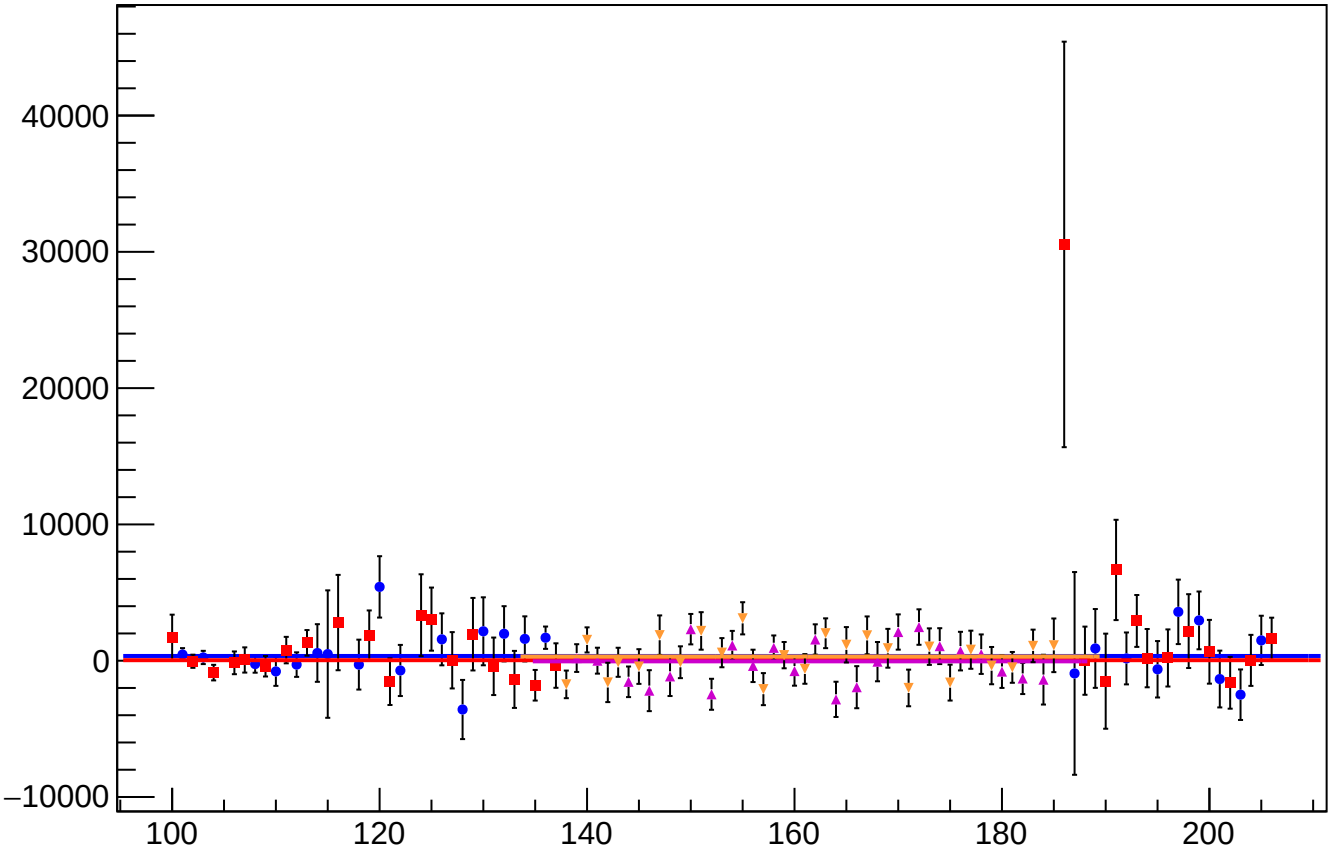
Left In: 173.024+/-0.029 χ^2/NDF:293702.8/22

+ sign 156.819+/-0.020 χ^2/NDF: 3495915.9/49

All: 156.266+/-0.014 χ^2/NDF: 8795054.9/103

- sign 155.728+/-0.019 χ^2/NDF: 5297595.7/53

asym_sam6_dit_correction_mean vs Slug



Right In: 347.786+/-229.313 χ^2/NDF: 23.3/24

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 37.846+/-225.676 χ^2/NDF: 27.9/30

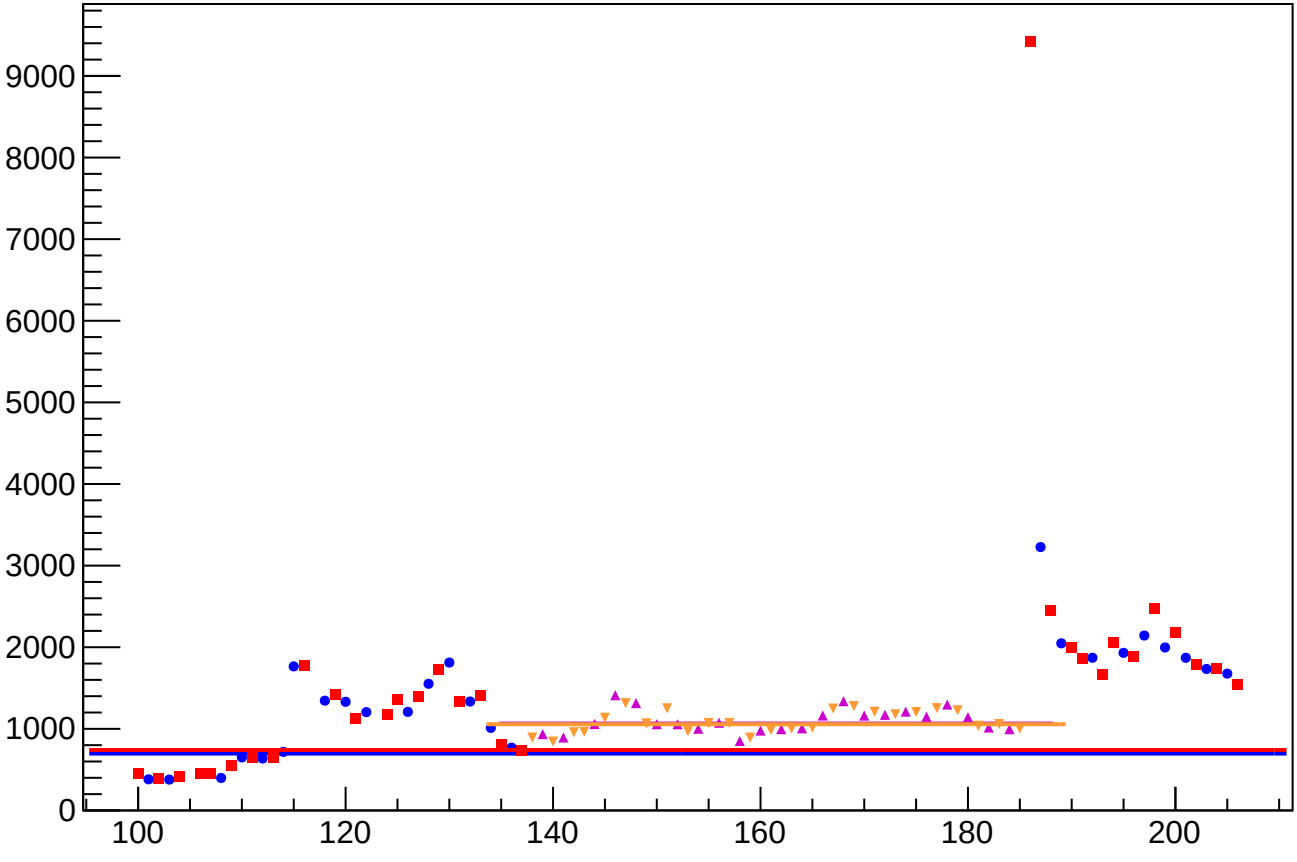
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 331.660+/-166.584 χ^2/NDF: 56.2/49

All: 167.057+/-118.253 χ^2/NDF: 120.6/103

- sign -0.143+/-167.893 χ^2/NDF: 62.4/53

asym_sam6_dit_correction_rms vs Slug



Right In: 697.179+/-0.162 χ^2/NDF: 9501506.1/24

Left Out: 1056.328+/-0.171 χ^2/NDF:610710.4/24

Right Out: 740.705+/-0.160 χ^2/NDF: 11137559.5/30

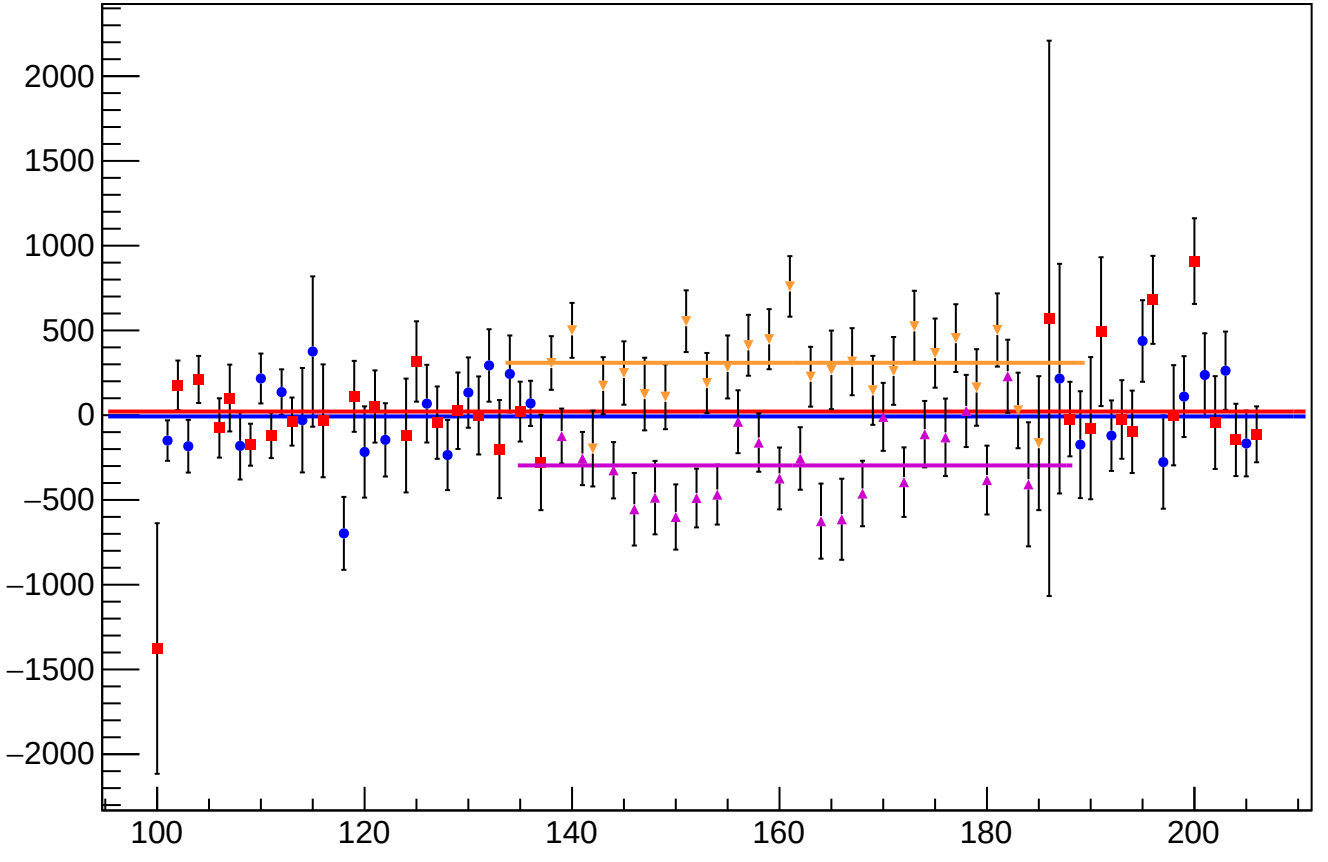
Left In: 1064.691+/-0.178 χ^2/NDF:611055.8/22

+ sign 866.795+/-0.118 χ^2/NDF: 12429167.8/49

All: 876.012+/-0.084 χ^2/NDF: 26030732.7/10

- sign 885.374+/-0.119 χ^2/NDF: 13589224.1/53

eigen_dit_asym_sam6_mean vs Slug



Right In: -7.443+/-40.170 χ^2/NDF: 32.6/24

Left Out: 309.032+/-38.901 χ^2/NDF:25.6/24

Right Out: 21.545+/-37.569 χ^2/NDF: 36.3/30

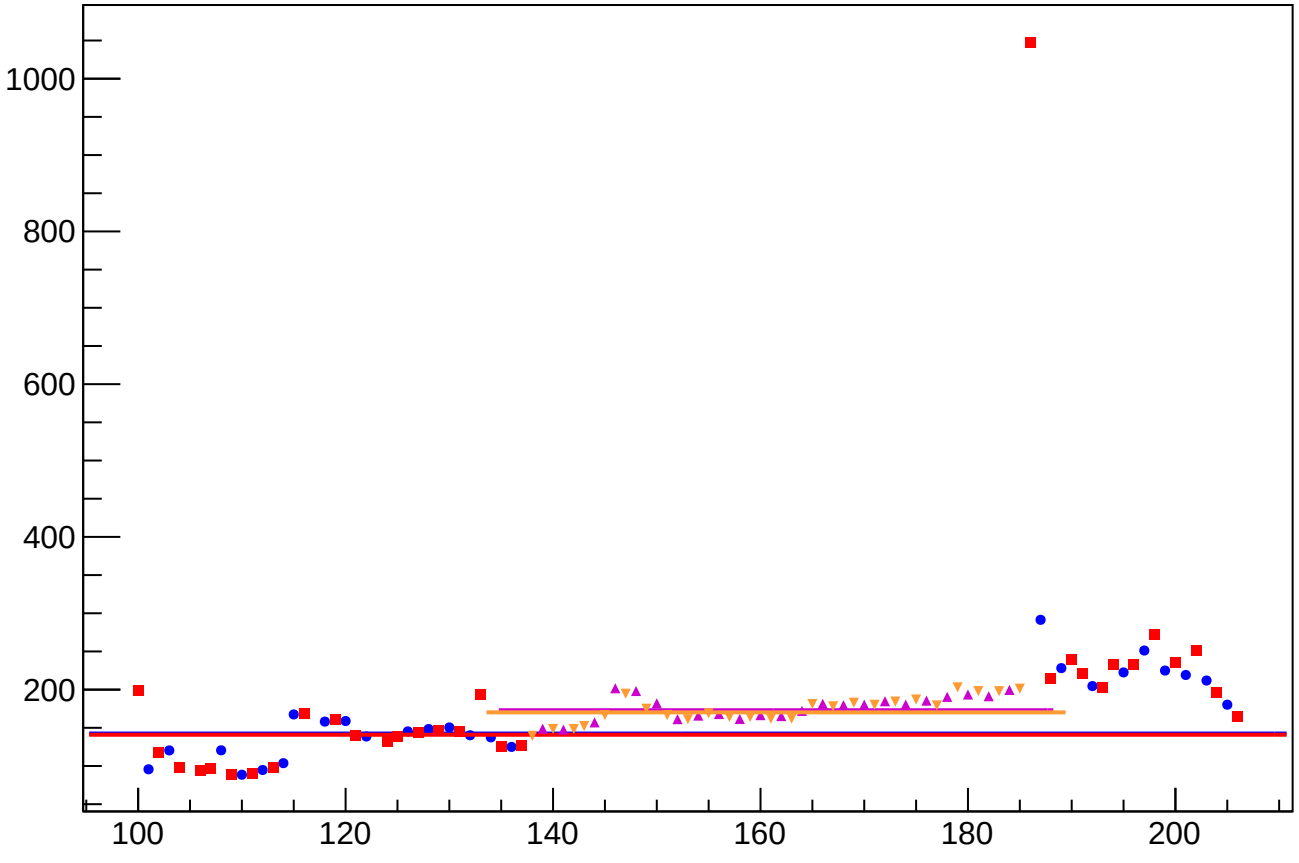
Left In: -296.497+/-40.607 χ^2/NDF:27.8/22

+ sign 155.873+/-27.945 χ^2/NDF: 90.2/49

All: 13.505+/-19.628 χ^2/NDF: 238.7/103

- sign -125.135+/-27.577 χ^2/NDF: 97.2/53

eigen_dit_asym_sam6_rms vs Slug



Right In: 142.507+/-0.028 χ^2/NDF: 2637690.7/24

Left Out: 170.240+/-0.028 χ^2/NDF:366303.1/24

Right Out: 140.924+/-0.027 χ^2/NDF: 4330509.4/30

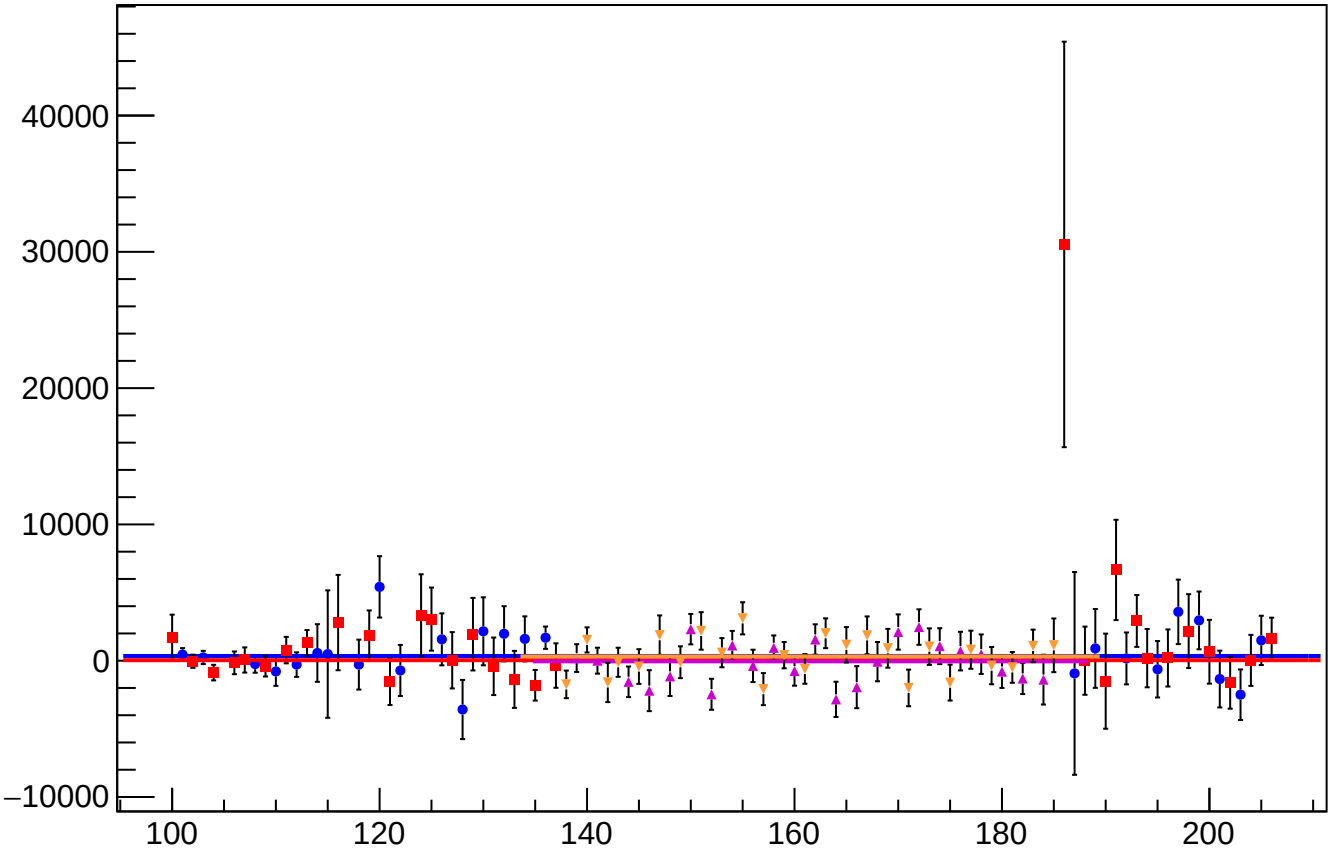
Left In: 173.023+/-0.029 χ^2/NDF:293703.4/22

+ sign 156.819+/-0.020 χ^2/NDF: 3495938.1/49

All: 156.266+/-0.014 χ^2/NDF: 8795087.2/103

- sign 155.728+/-0.019 χ^2/NDF: 5297605.9/53

asym_sam6_eigen_dit_correction_mean vs Slug



Right In: 347.785+/-229.313 χ^2/NDF: 23.3/24

Left Out: 313.641+/-242.402 χ^2/NDF:32.9/24

Right Out: 37.845+/-225.676 χ^2/NDF: 27.9/30

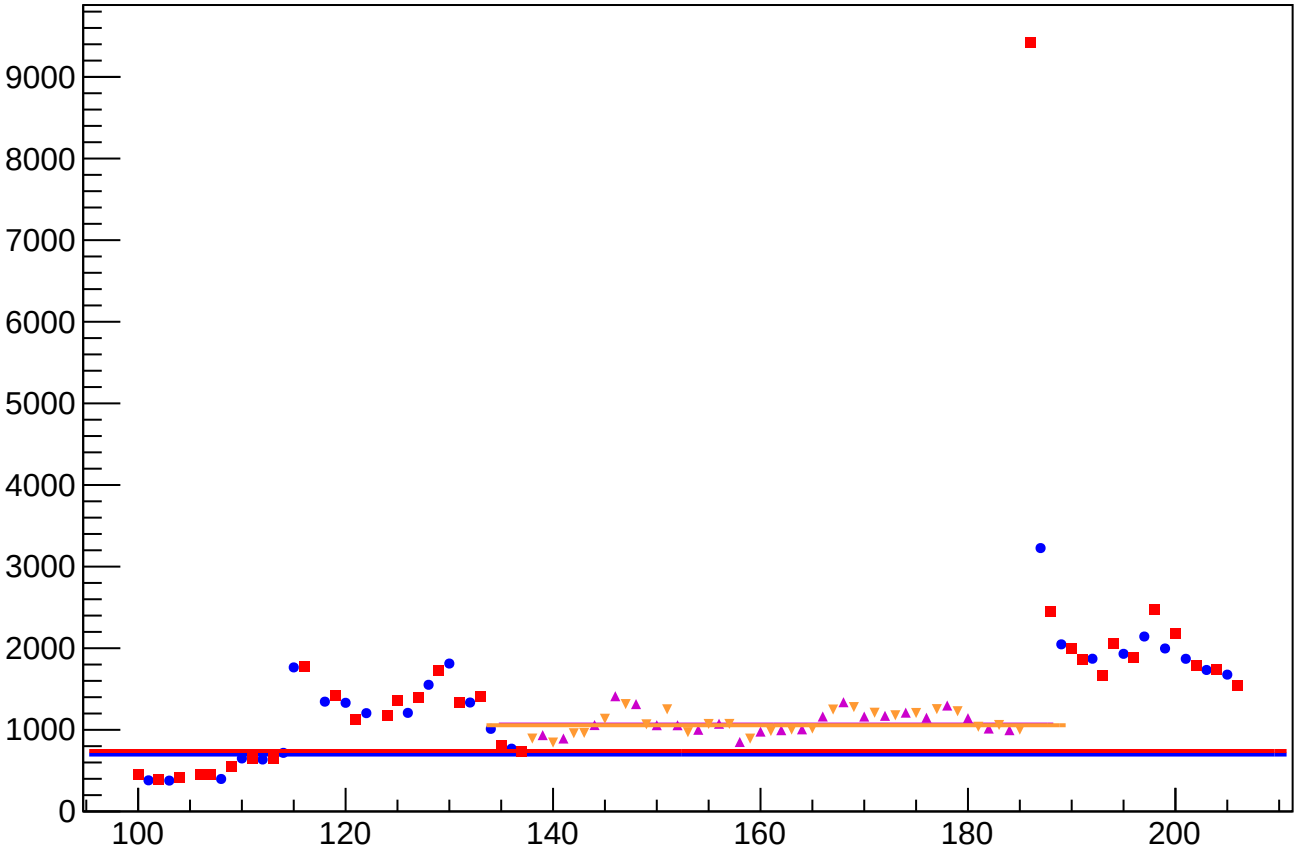
Left In: -47.231+/-251.252 χ^2/NDF:34.4/22

+ sign 331.660+/-166.584 χ^2/NDF: 56.2/49

All: 167.057+/-118.253 χ^2/NDF: 120.6/103

- sign -0.144+/-167.893 χ^2/NDF: 62.4/53

asym_sam6_eigen_dit_correction_rms vs Slug



Right In: 697.178+/-0.162 χ^2/NDF: 9501516.3/24

Left Out: 1056.328+/-0.171 χ^2/NDF:610715.5/24

Right Out: 740.704+/-0.160 χ^2/NDF: 11137563.7/30

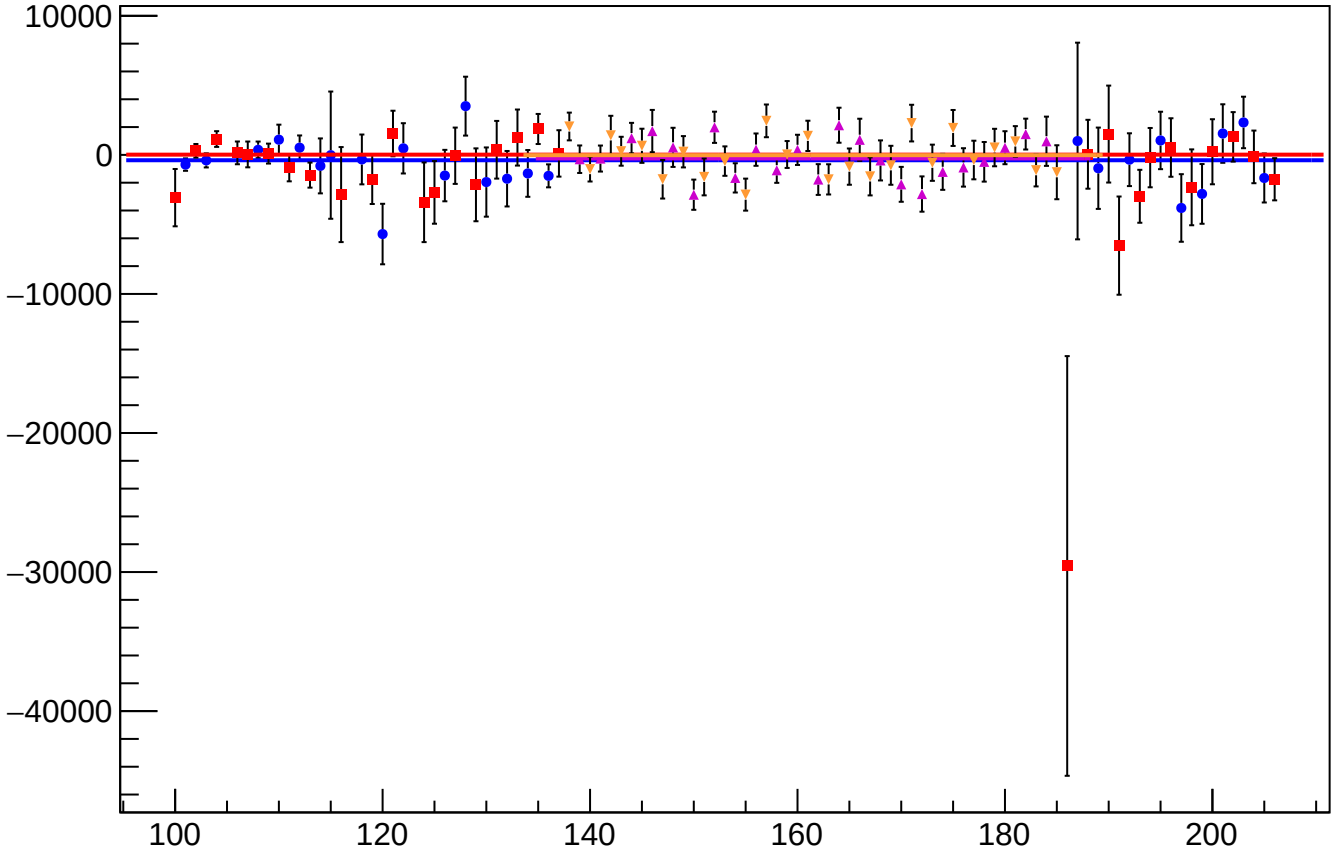
Left In: 1064.691+/-0.178 χ^2/NDF:611059.3/22

+ sign 866.795+/-0.118 χ^2/NDF: 12429199.3/49

All: 876.011+/-0.084 χ^2/NDF: 26030780.4/10

- sign 885.373+/-0.119 χ^2/NDF: 13589240.1/53

asym_sam6_mean vs Slug



Right In: -385.661+/-225.881 χ^2/NDF: 25.3/24

Left Out: -21.861+/-237.972 χ^2/NDF:34.5/24

Right Out: 16.661+/-223.512 χ^2/NDF: 32.2/30

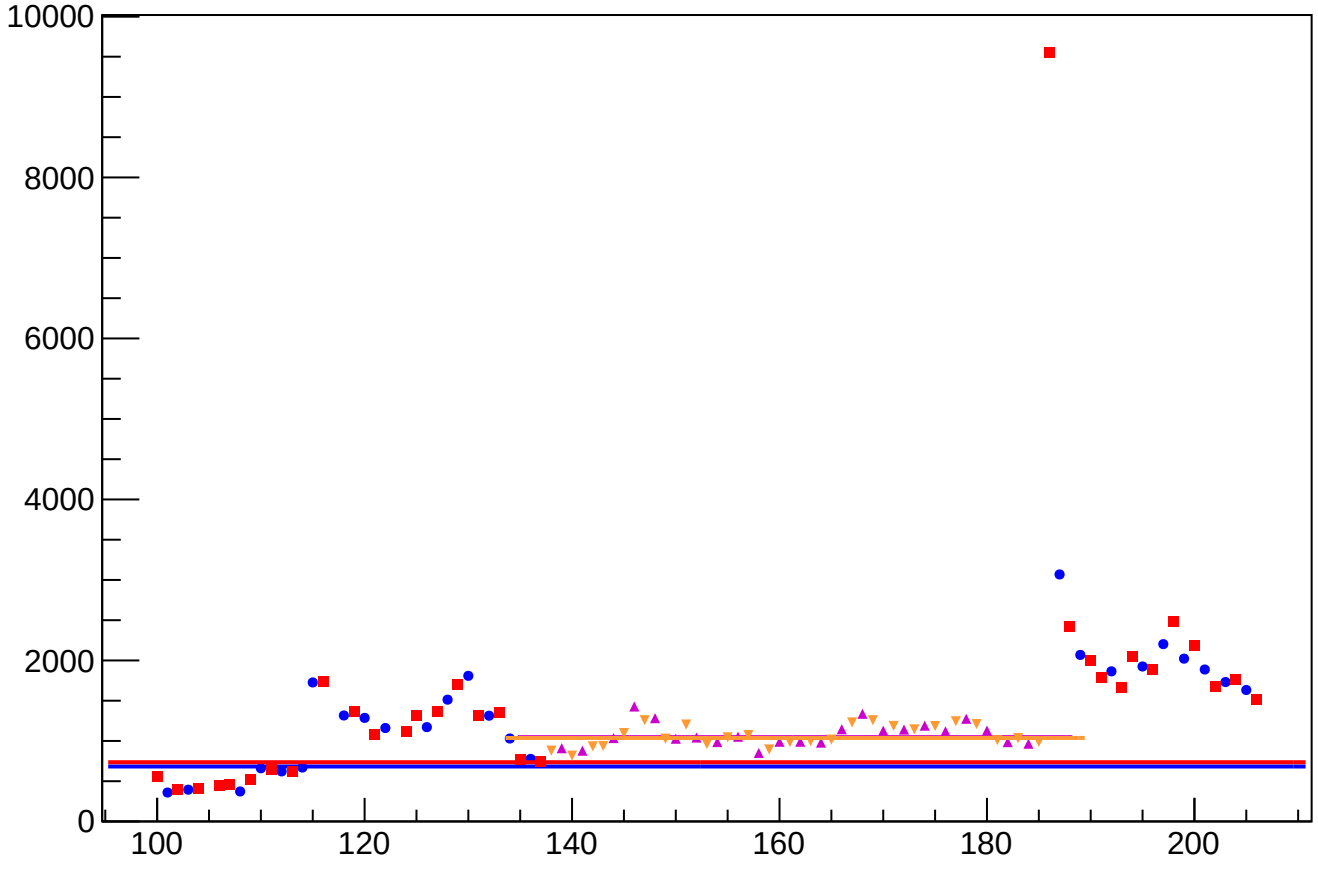
Left In: -255.399+/-247.203 χ^2/NDF:33.6/22

+ sign -213.238+/-163.830 χ^2/NDF: 61.0/49

All: -160.114+/-116.532 χ^2/NDF: 127.7/103

- sign -105.711+/-165.791 χ^2/NDF: 66.5/53

asym_sam6_rms vs Slug



Right In: 682.833+/-0.160 χ^2/NDF: 9673591.5/24

Left Out: 1037.324+/-0.168 χ^2/NDF:585511.9/24

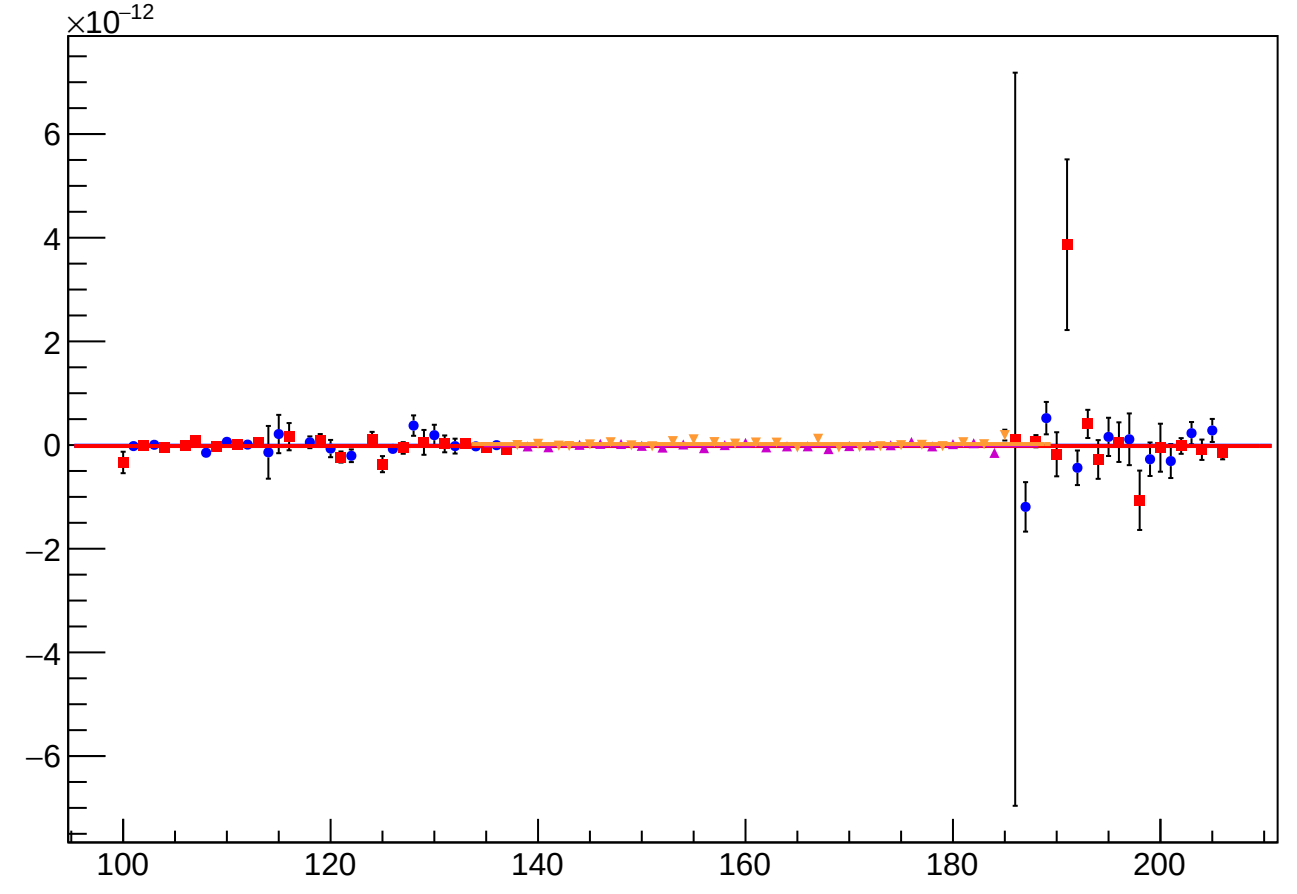
Right Out: 735.943+/-0.158 χ^2/NDF: 10976956.7/30

Left In: 1047.629+/-0.175 χ^2/NDF:613357.0/22

+ sign 850.845+/-0.116 χ^2/NDF: 12593718.6/49

All: 863.341+/-0.082 χ^2/NDF: 25956945.4/10

- sign 876.139+/-0.117 χ^2/NDF: 13339672.4/53



Right In: -0.000+/-0.000 χ^2/NDF: 31.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:30.0/24

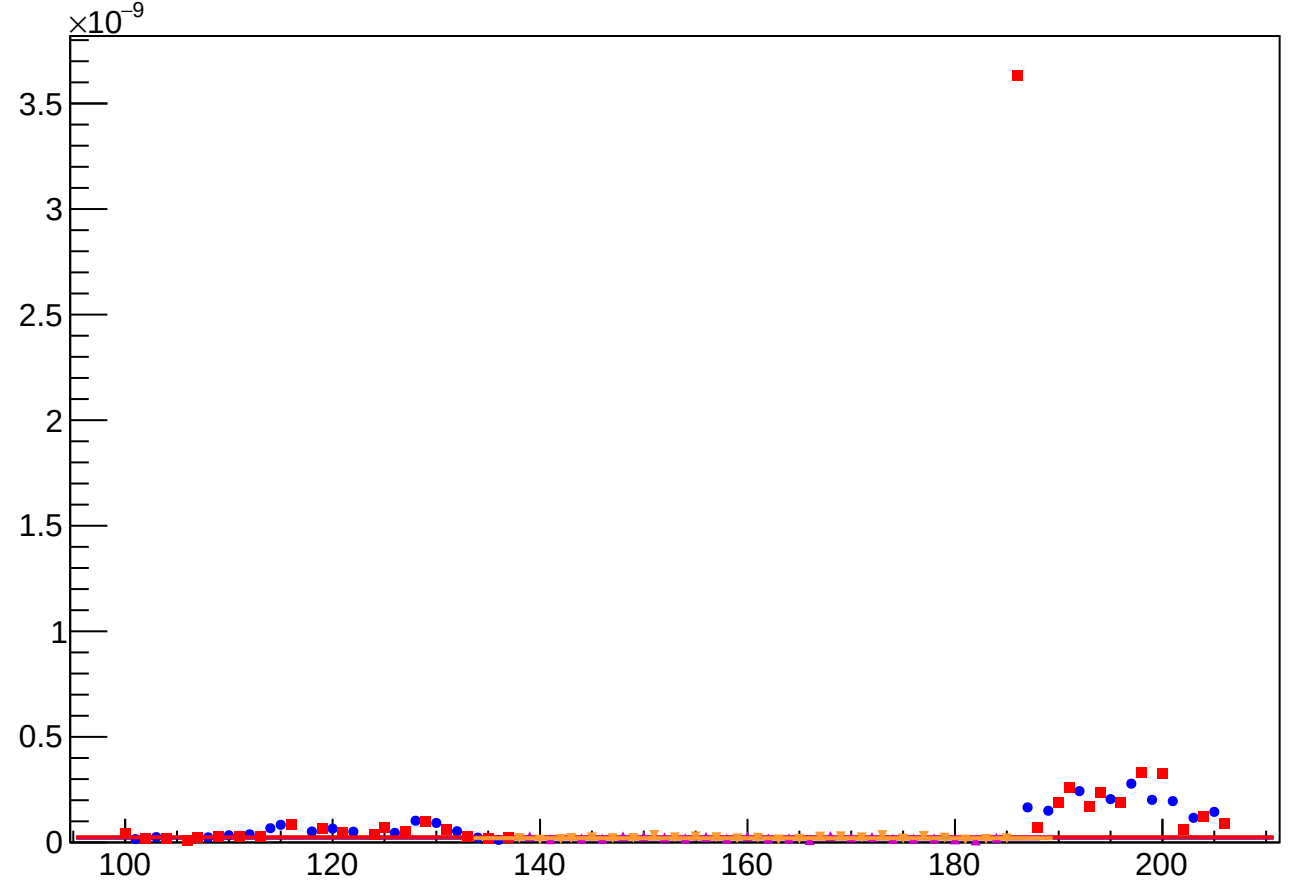
Right Out: -0.000+/-0.000 χ^2/NDF: 33.4/30

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 65.9/49

All: 0.000+/-0.000 χ^2/NDF: 123.4/103

- sign -0.000+/-0.000 χ^2/NDF: 52.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 6638472.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:993542.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7244967.5/30

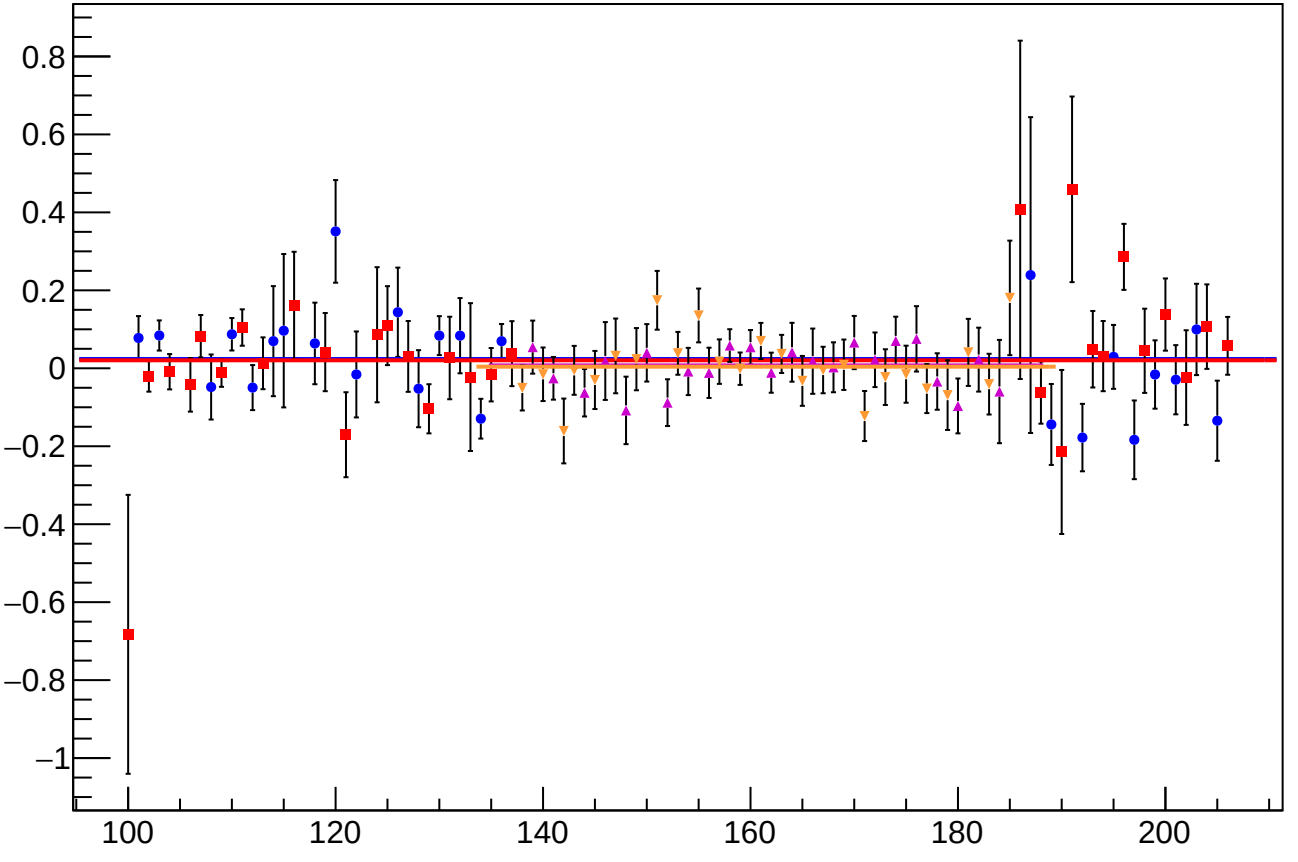
Left In: 0.000+/-0.000 χ^2/NDF:1048721.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 7685414.2/49

All: 0.000+/-0.000 χ^2/NDF: 16204398.5/103

- sign 0.000+/-0.000 χ^2/NDF: 8516602.1/53

asym_sam6_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.021+/-0.014 χ^2/NDF: 40.1/30

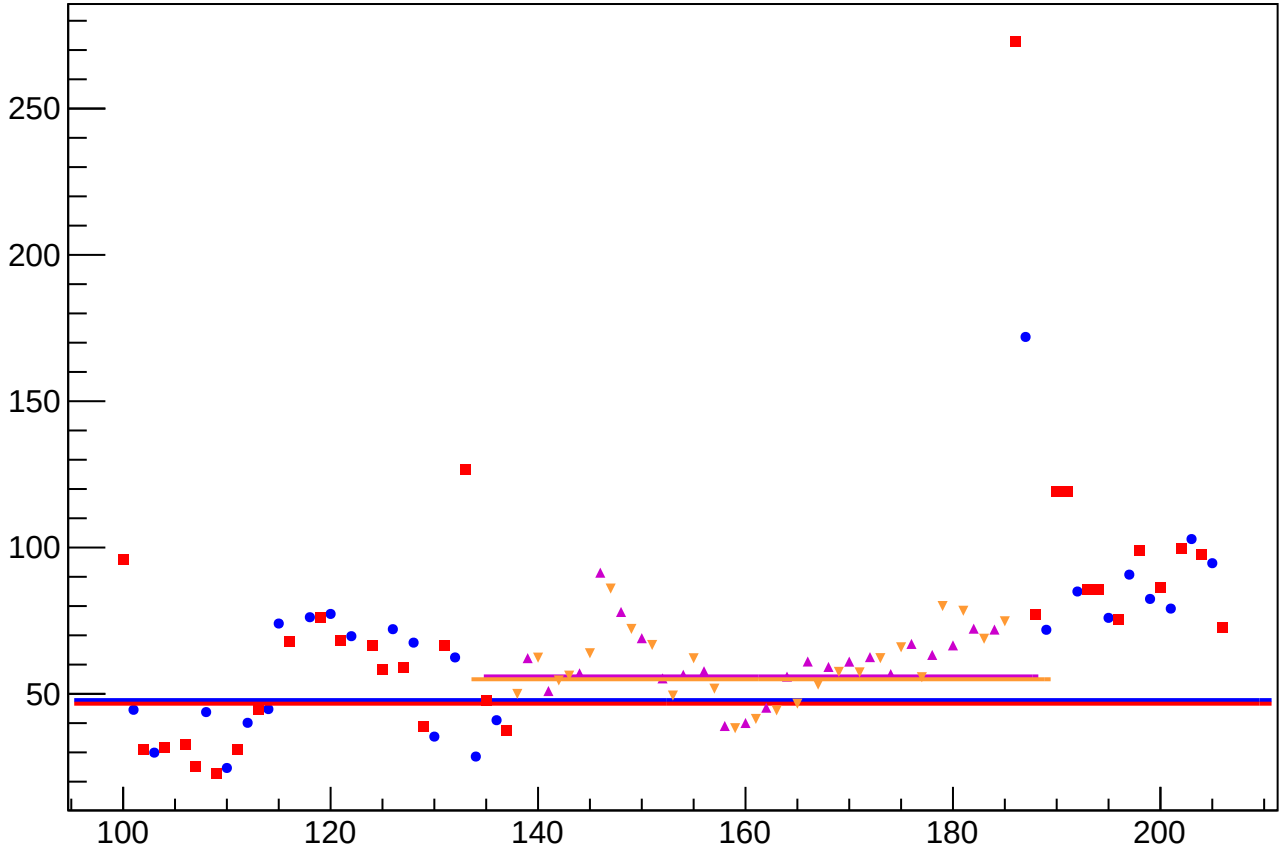
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.010 χ^2/NDF: 70.1/49

All: 0.013+/-0.007 χ^2/NDF: 125.7/103

- sign 0.014+/-0.010 χ^2/NDF: 55.6/53

asym_sam6_dit_vs_cor_diff_rms vs Slug



Right In: 47.866+/-0.010 χ^2/NDF: 4806932.0/24

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 46.643+/-0.010 χ^2/NDF: 7049176.0/30

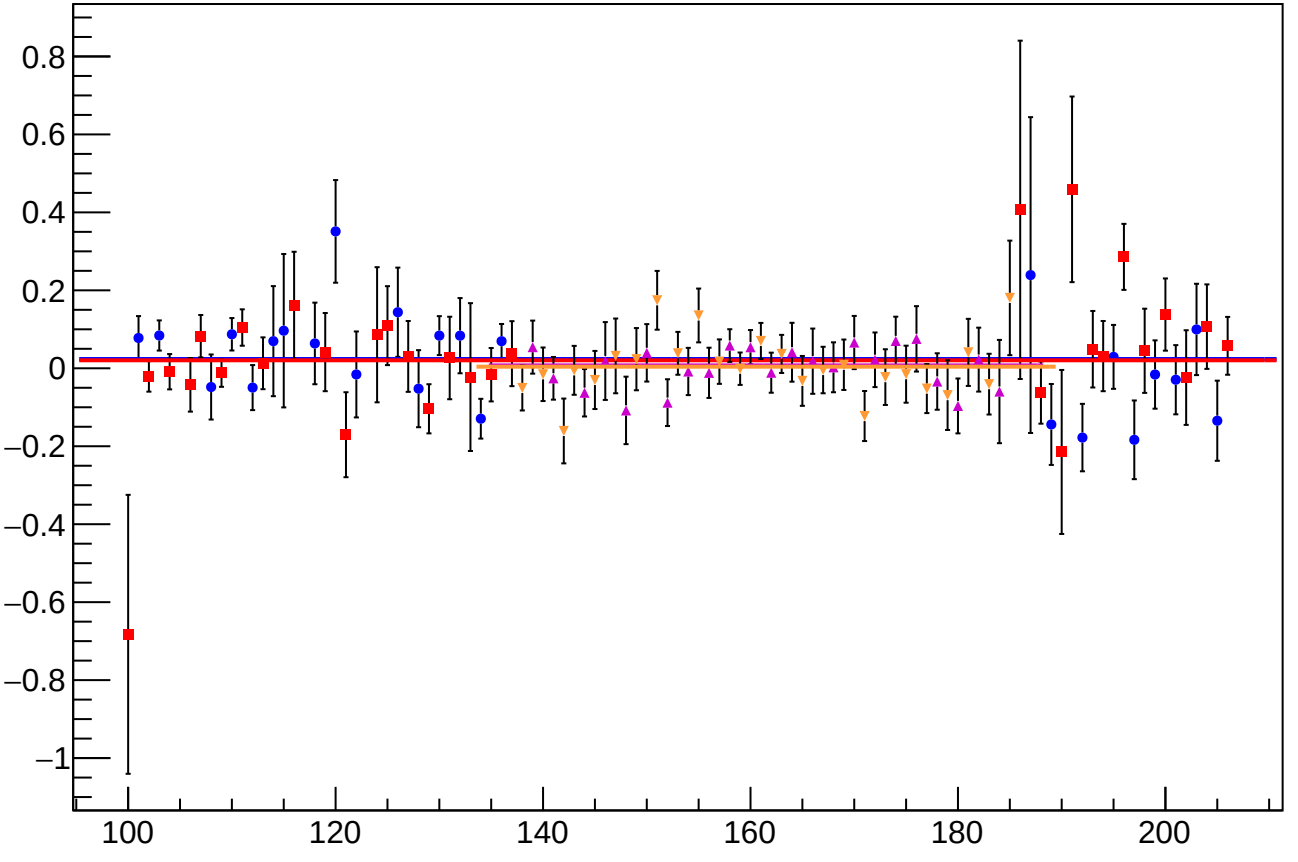
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 51.810+/-0.007 χ^2/NDF: 6643352.2/49

All: 51.549+/-0.005 χ^2/NDF: 15576770.2/103

- sign 51.294+/-0.007 χ^2/NDF: 8930529.2/53

asym_sam6_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.021+/-0.014 χ^2/NDF: 40.1/30

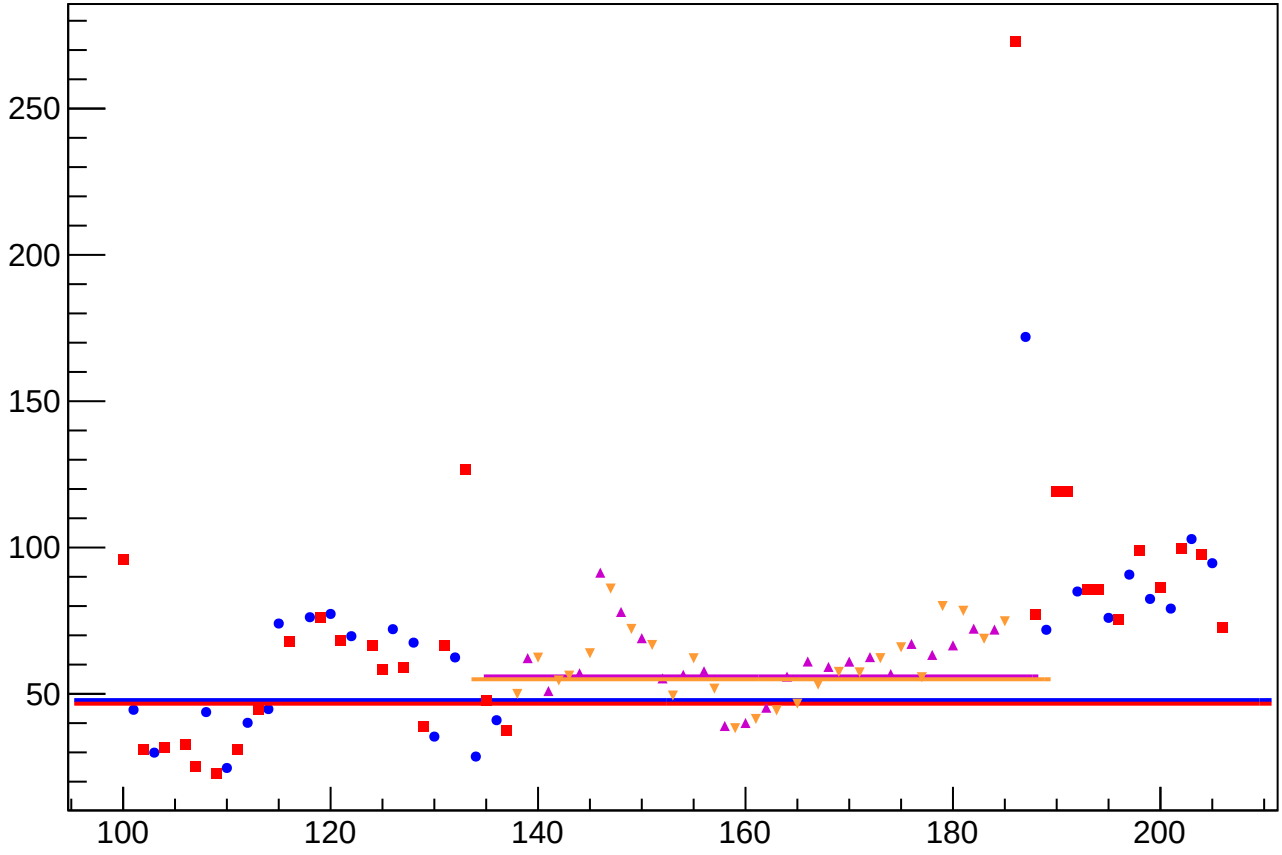
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.010 χ^2/NDF: 70.1/49

All: 0.013+/-0.007 χ^2/NDF: 125.7/103

- sign 0.014+/-0.010 χ^2/NDF: 55.6/53

asym_sam6_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.866+/-0.010 χ^2/NDF: 4806932.0/24

Left Out: 54.986+/-0.009 χ^2/NDF:1566844.0/24

Right Out: 46.643+/-0.010 χ^2/NDF: 7049176.0/30

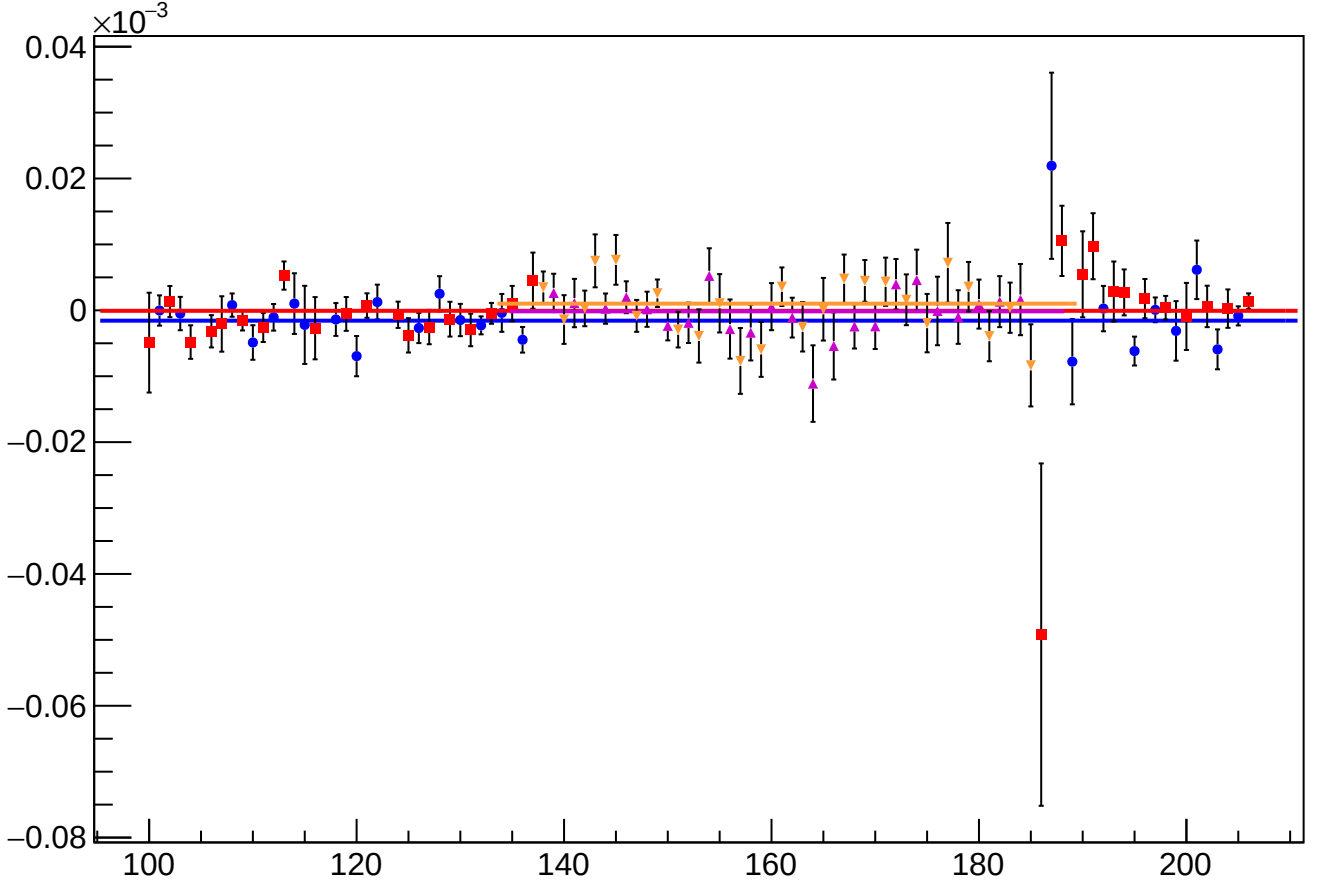
Left In: 55.956+/-0.010 χ^2/NDF:1406142.1/22

+ sign 51.810+/-0.007 χ^2/NDF: 6643352.2/49

All: 51.549+/-0.005 χ^2/NDF: 15576770.2/103

- sign 51.294+/-0.007 χ^2/NDF: 8930529.2/53

asym_sam6_eigen_dit_vs_dit_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 28.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.5/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.4/30

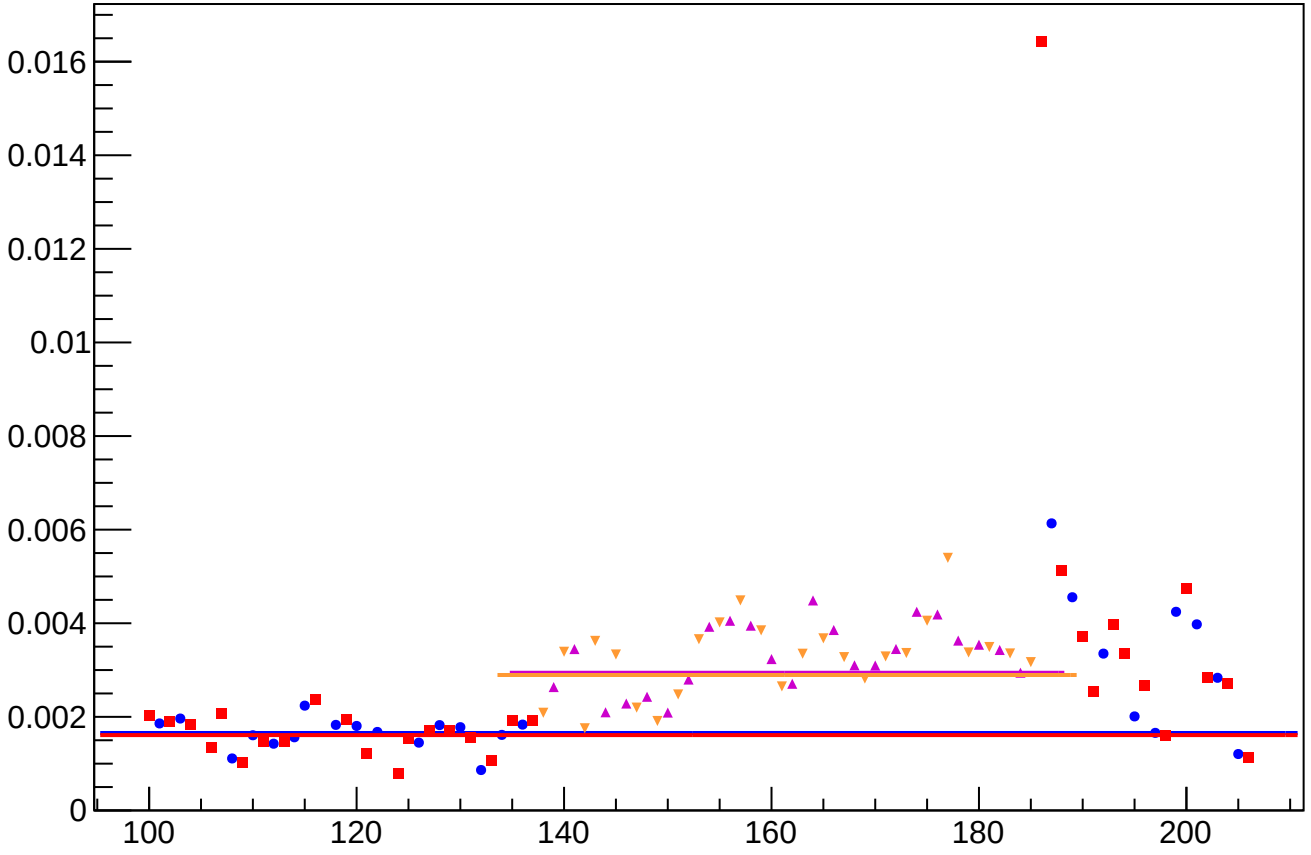
Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 66.5/49

All: -0.000+/-0.000 χ^2/NDF: 118.2/103

- sign -0.000+/-0.000 χ^2/NDF: 50.5/53

asym_sam6_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 3855200.8/24

Left Out: 0.003+/-0.000 χ^2/NDF:2642911.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 6002378.6/30

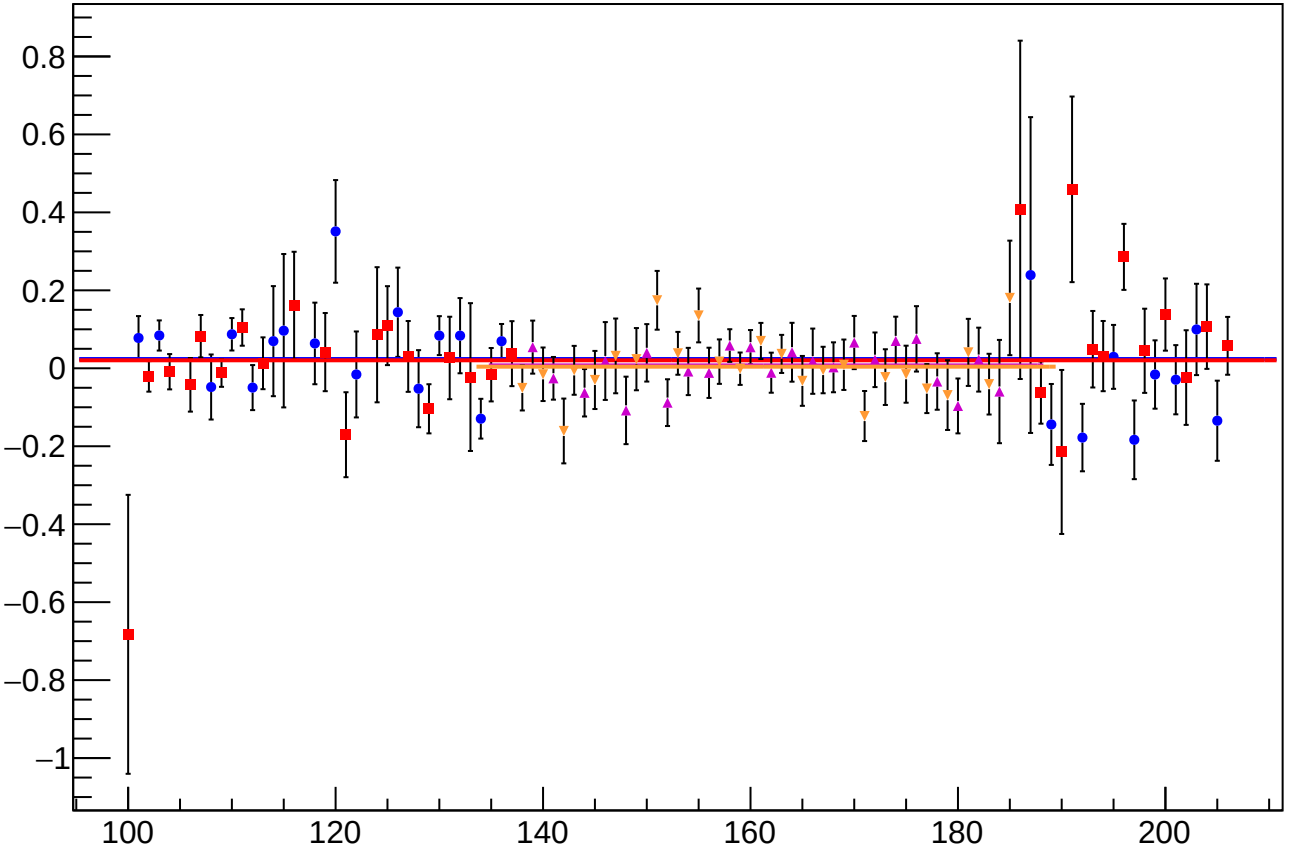
Left In: 0.003+/-0.000 χ^2/NDF:1890470.3/22

+ sign 0.002+/-0.000 χ^2/NDF: 10847859.5/49

All: 0.002+/-0.000 χ^2/NDF: 23826860.9/103

- sign 0.002+/-0.000 χ^2/NDF: 12935941.2/53

asym_sam6_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.021+/-0.014 χ^2/NDF: 40.1/30

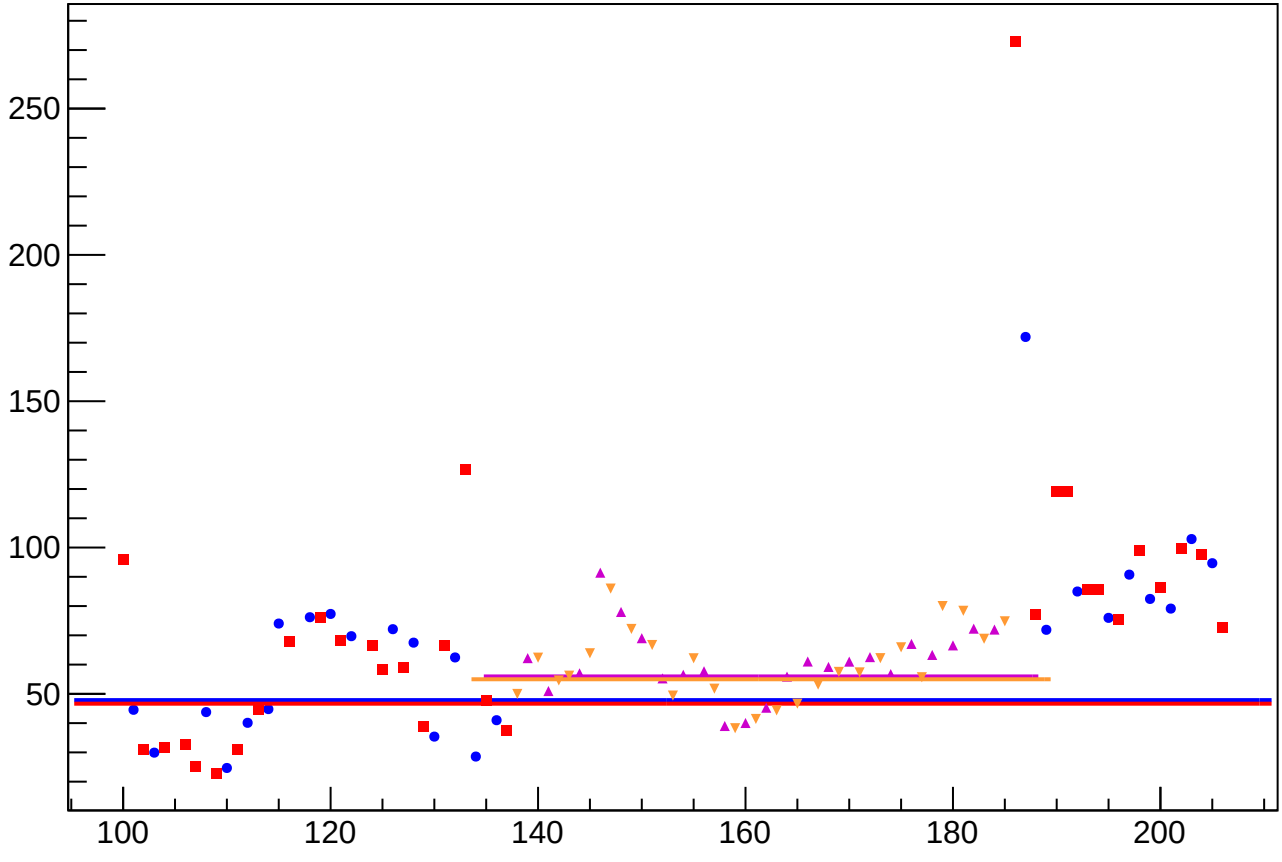
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.010 χ^2/NDF: 70.1/49

All: 0.013+/-0.007 χ^2/NDF: 125.7/103

- sign 0.014+/-0.010 χ^2/NDF: 55.6/53

asym_sam6_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 47.865+/-0.010 χ^2/NDF: 4807048.4/24

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

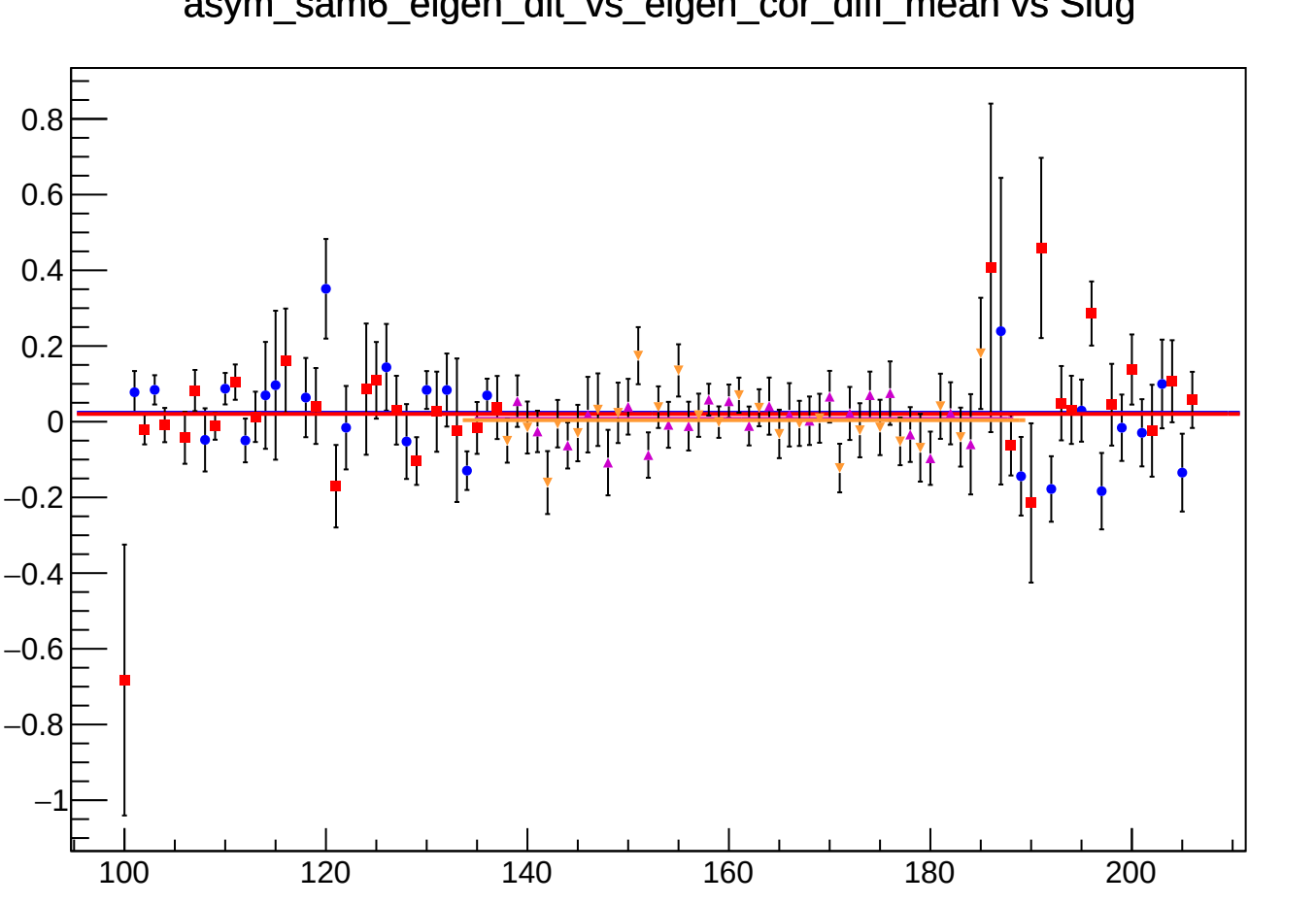
Right Out: 46.642+/-0.010 χ^2/NDF: 7049186.4/30

Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 51.809+/-0.007 χ^2/NDF: 6643565.6/49

All: 51.549+/-0.005 χ^2/NDF: 15577088.4/103

- sign 51.293+/-0.007 χ^2/NDF: 8930634.9/53



Right In: 0.024+/-0.014 χ^2/NDF: 44.2/24

Left Out: 0.004+/-0.013 χ^2/NDF:24.8/24

Right Out: 0.021+/-0.014 χ^2/NDF: 40.1/30

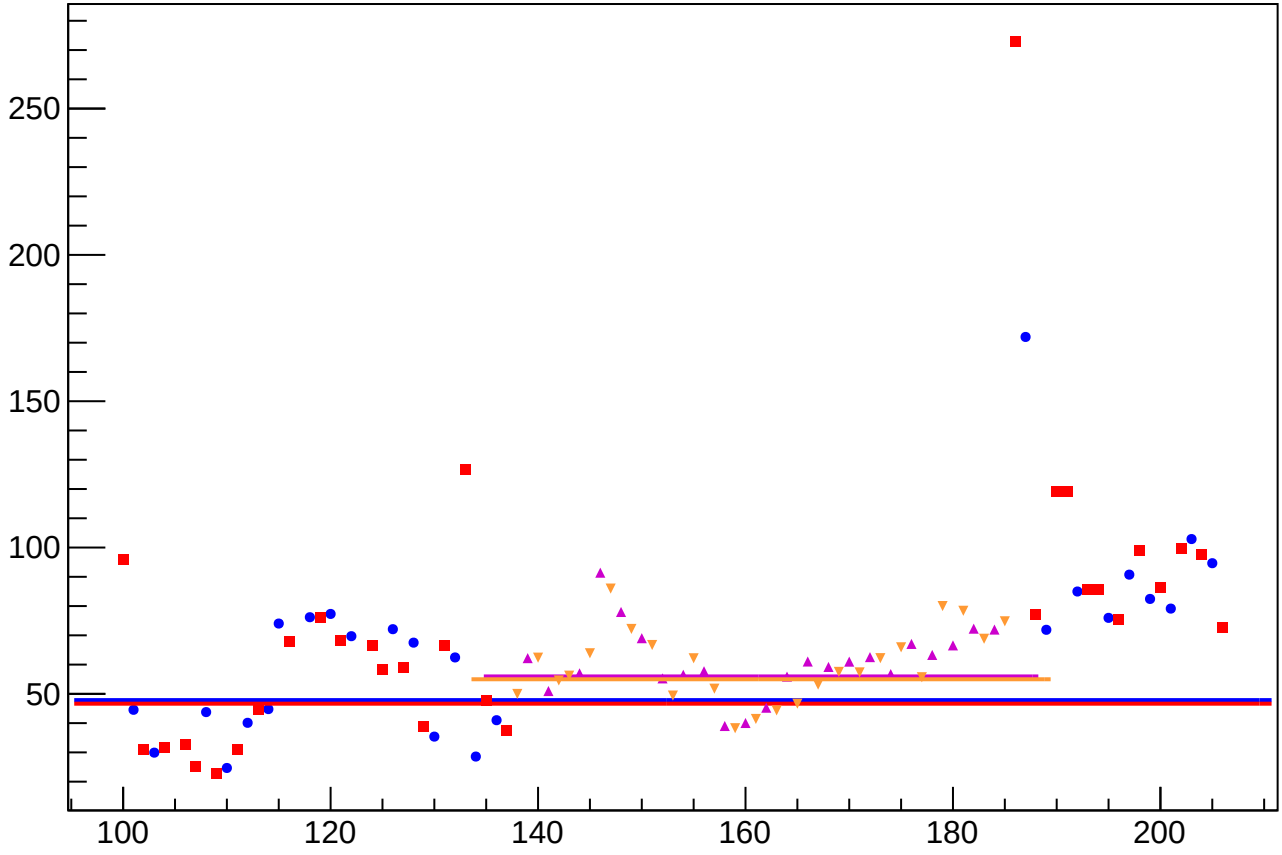
Left In: 0.007+/-0.014 χ^2/NDF:15.1/22

+ sign 0.013+/-0.010 χ^2/NDF: 70.1/49

All: 0.013+/-0.007 χ^2/NDF: 125.7/103

- sign 0.014+/-0.010 χ^2/NDF: 55.6/53

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 47.865+/-0.010 χ^2/NDF: 4807048.4/24

Left Out: 54.985+/-0.009 χ^2/NDF:1566963.9/24

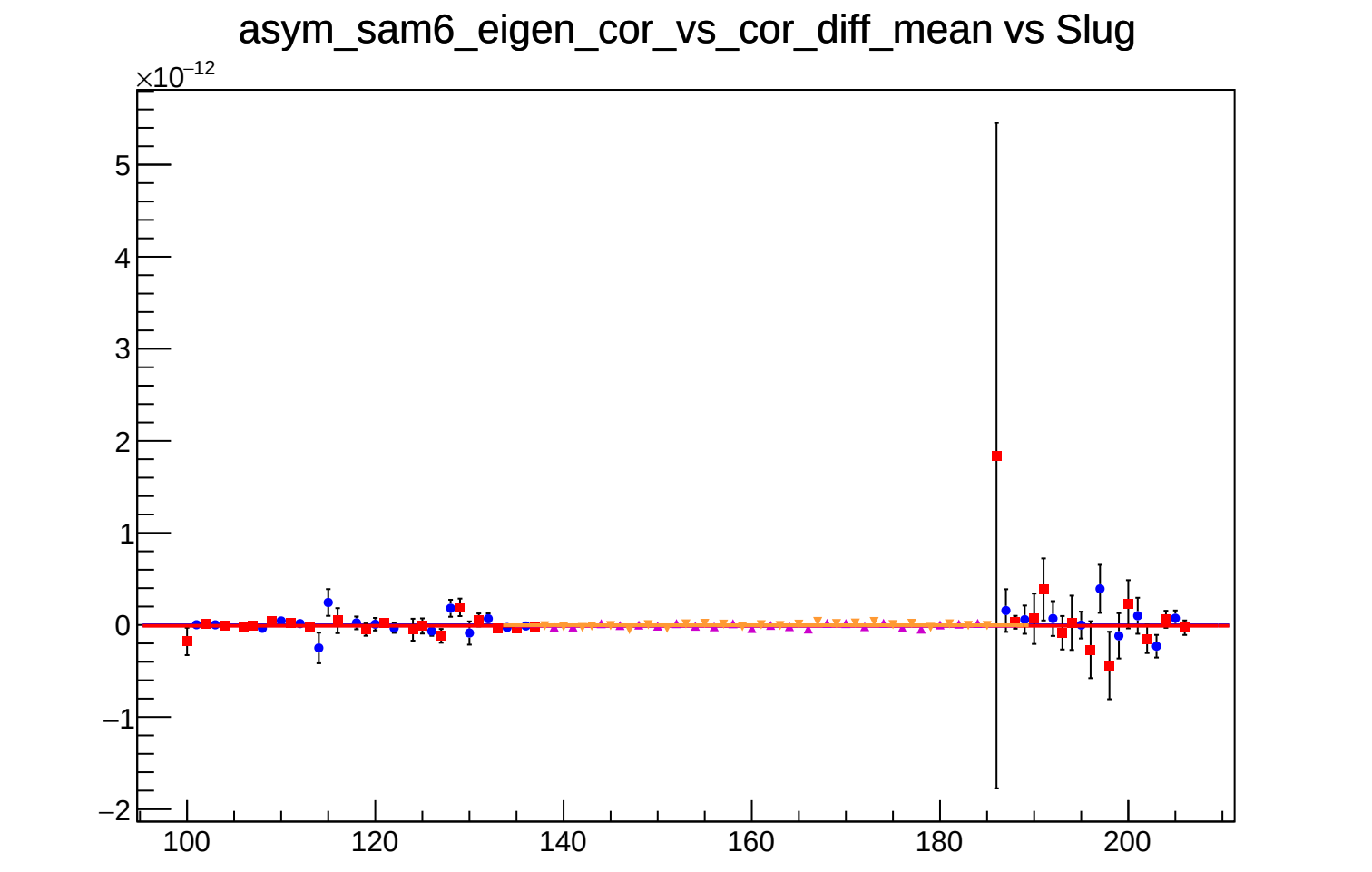
Right Out: 46.642+/-0.010 χ^2/NDF: 7049186.4/30

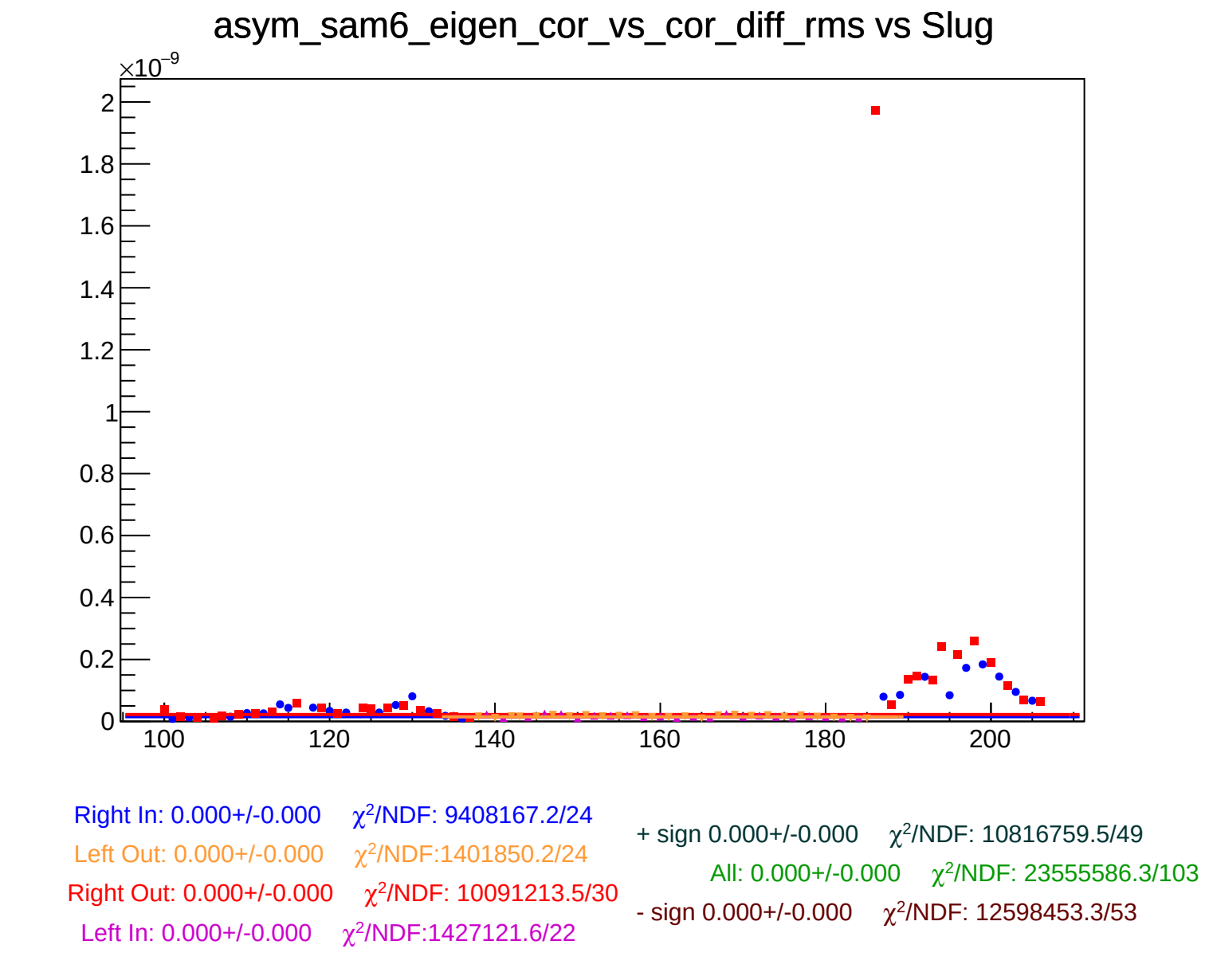
Left In: 55.955+/-0.010 χ^2/NDF:1406309.5/22

+ sign 51.809+/-0.007 χ^2/NDF: 6643565.6/49

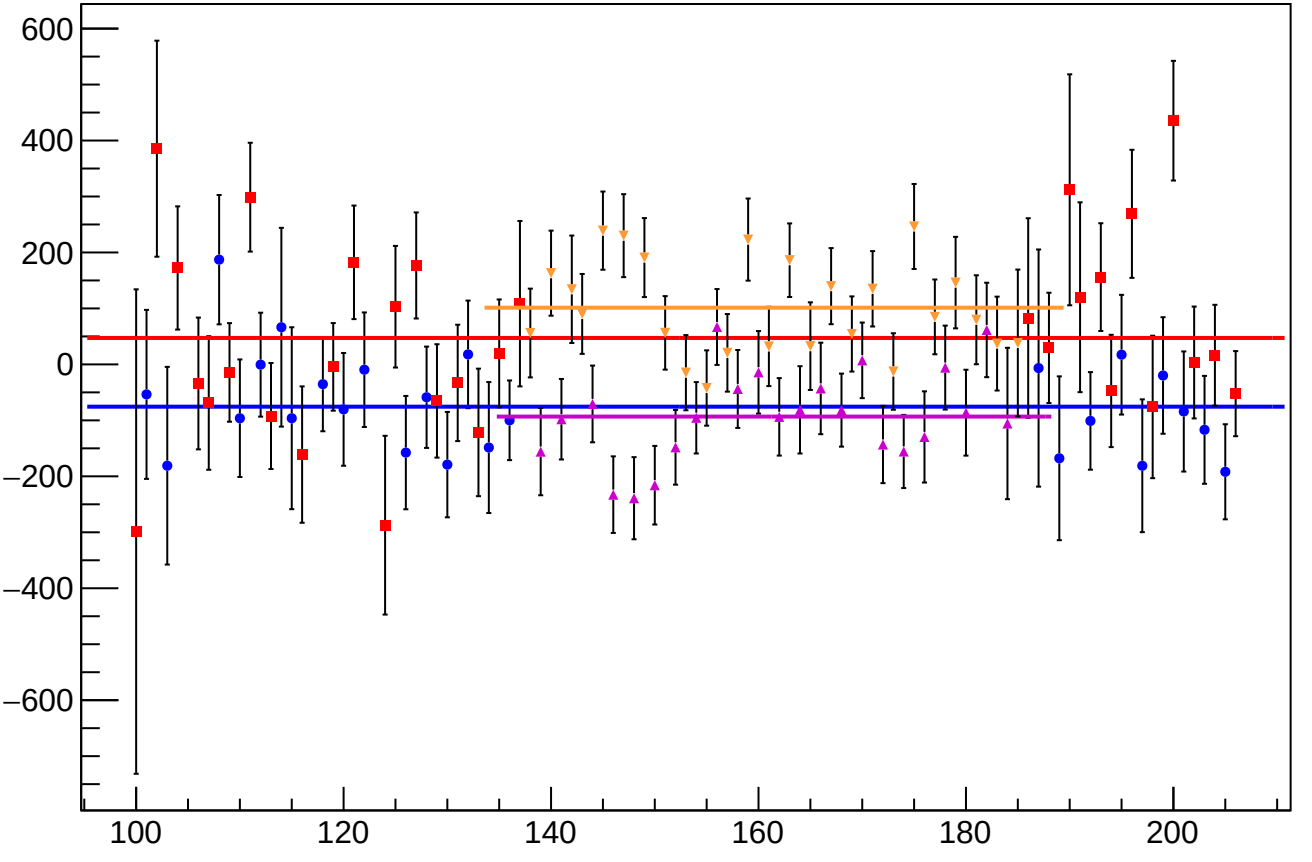
All: 51.549+/-0.005 χ^2/NDF: 15577088.4/103

- sign 51.293+/-0.007 χ^2/NDF: 8930634.9/53


asym_sam6_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 24.4/24
Left Out: -0.000+/-0.000 χ²/NDF:19.3/24
Right Out: -0.000+/-0.000 χ²/NDF: 22.3/30
Left In: -0.000+/-0.000 χ²/NDF:21.9/22
+ sign -0.000+/-0.000 χ²/NDF: 43.7/49
All: -0.000+/-0.000 χ²/NDF: 88.8/103
- sign -0.000+/-0.000 χ²/NDF: 44.3/53


asym_sam6_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
Right In: 0.000+/-0.000 χ²/NDF: 9408167.2/24
Left Out: 0.000+/-0.000 χ²/NDF:1401850.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 10091213.5/30
Left In: 0.000+/-0.000 χ²/NDF:1427121.6/22
+ sign 0.000+/-0.000 χ²/NDF: 10816759.5/49
All: 0.000+/-0.000 χ²/NDF: 23555586.3/103
- sign 0.000+/-0.000 χ²/NDF: 12598453.3/53

reg_asym_sam7_mean vs Slug



Right In: -75.550+/-21.047 χ^2/NDF: 15.4/24

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 47.253+/-19.580 χ^2/NDF: 55.7/30

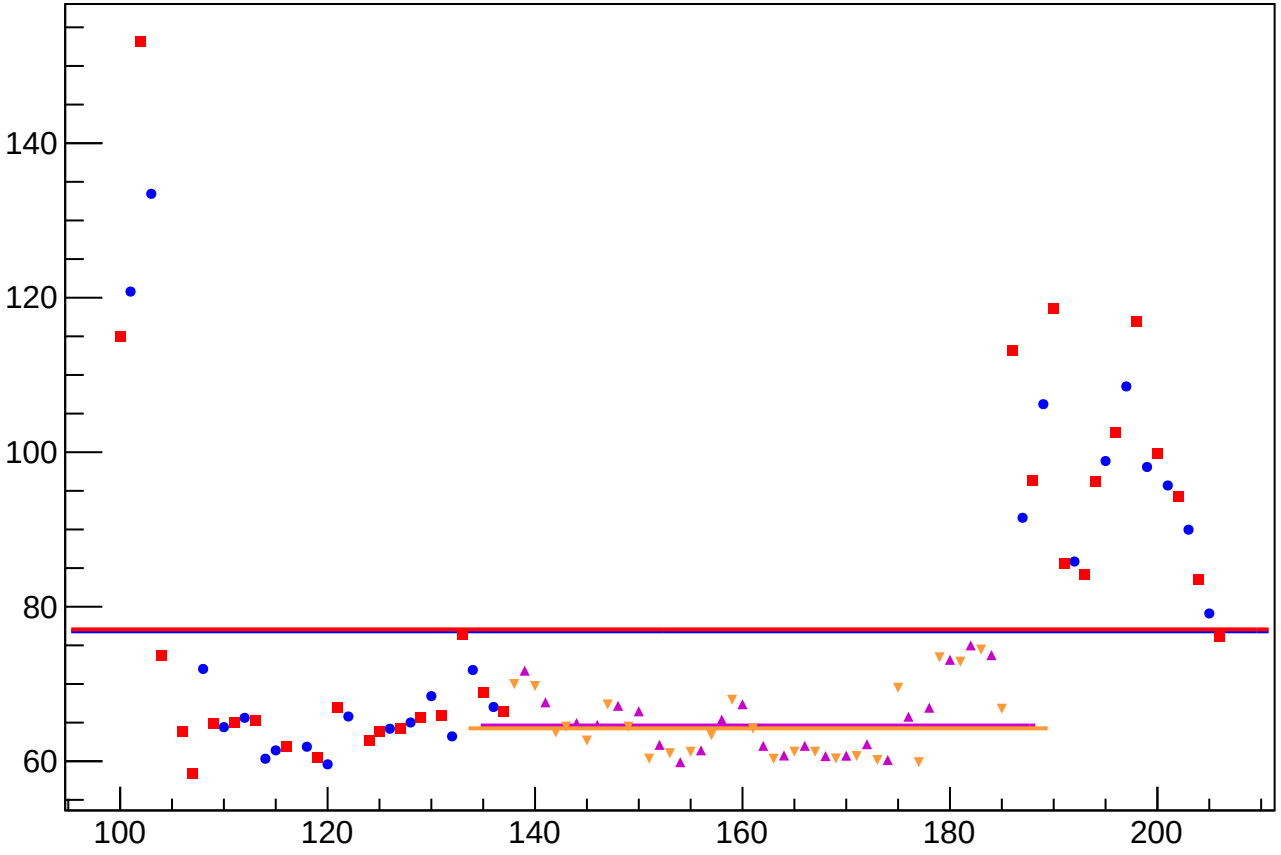
Left In: -93.236+/-15.137 χ^2/NDF:28.8/22

+ sign 43.642+/-12.019 χ^2/NDF: 96.8/49

All: 1.325+/-8.483 χ^2/NDF: 238.3/103

- sign -40.682+/-11.975 χ^2/NDF: 116.7/53

reg_asym_sam7_rms vs Slug



Right In: 76.821+/-0.015 χ^2/NDF: 1301659.6/24

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.064+/-0.014 χ^2/NDF: 1582167.4/30

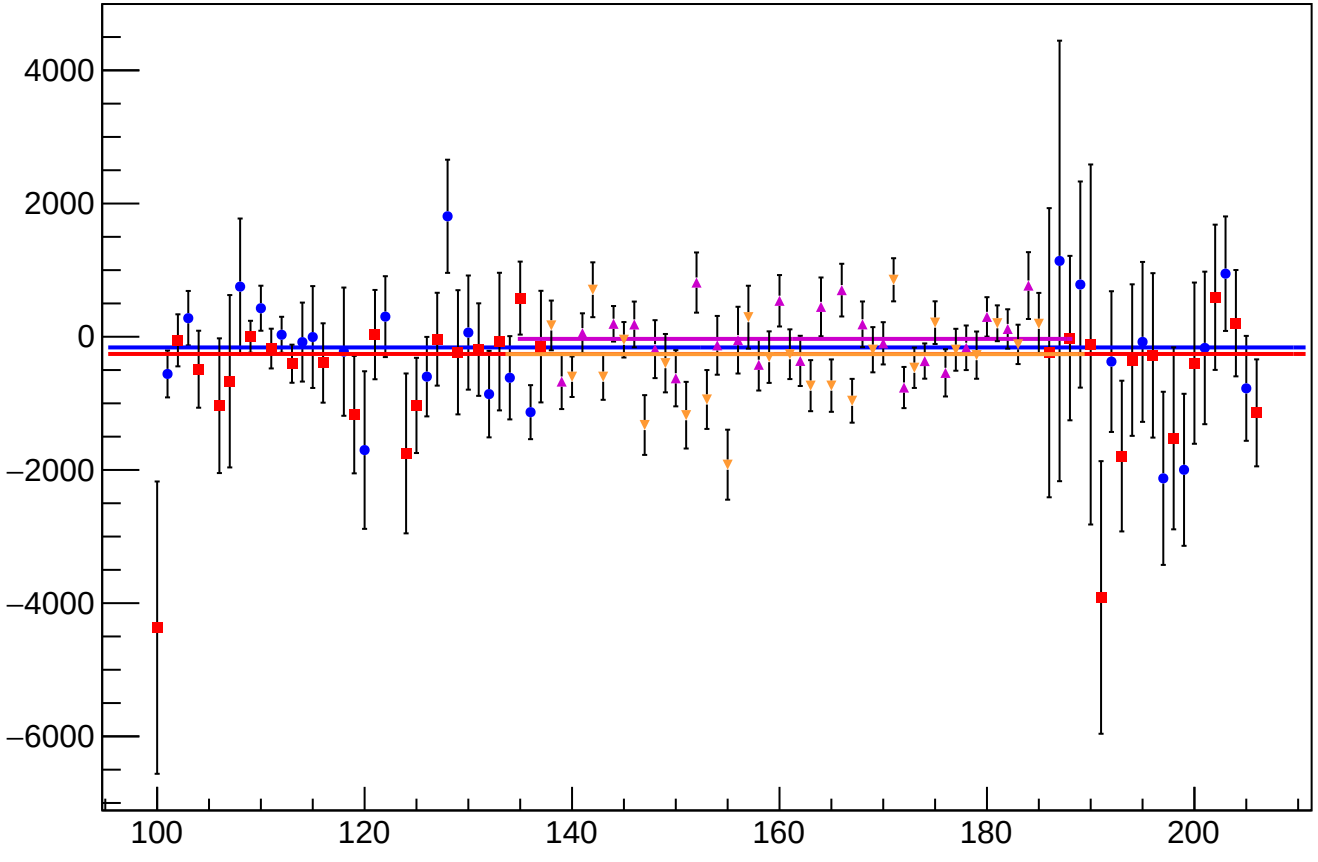
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.353+/-0.008 χ^2/NDF: 1959695.7/49

All: 68.816+/-0.006 χ^2/NDF: 4200518.3/103

- sign 69.276+/-0.008 χ^2/NDF: 2234911.5/53

asym_sam7_reg_correction_mean vs Slug



Right In: -160.412+/-119.292 χ^2/NDF: 30.2/24

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -258.487+/-111.306 χ^2/NDF: 20.7/30

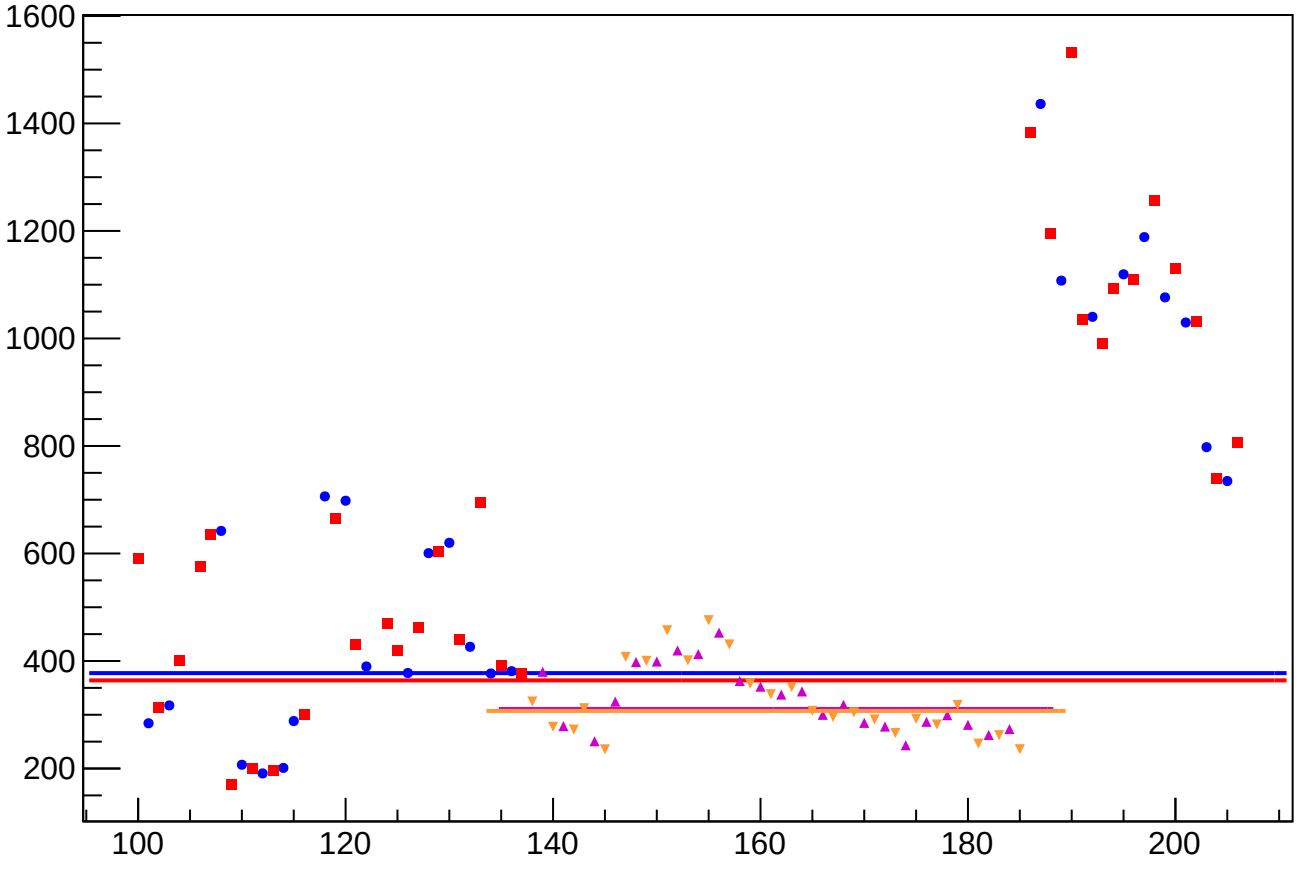
Left In: -32.423+/-73.837 χ^2/NDF:31.7/22

+ sign -234.633+/-61.181 χ^2/NDF: 89.6/49

All: -168.447+/-43.384 χ^2/NDF: 147.3/103

- sign -101.505+/-61.530 χ^2/NDF: 55.3/53

asym_sam7_reg_correction_rms vs Slug



Right In: 377.472+/-0.084 χ^2/NDF: 7943157.6/24

Left Out: 307.143+/-0.050 χ^2/NDF:1320151.2/24

Right Out: 363.968+/-0.079 χ^2/NDF: 11096924.6/30

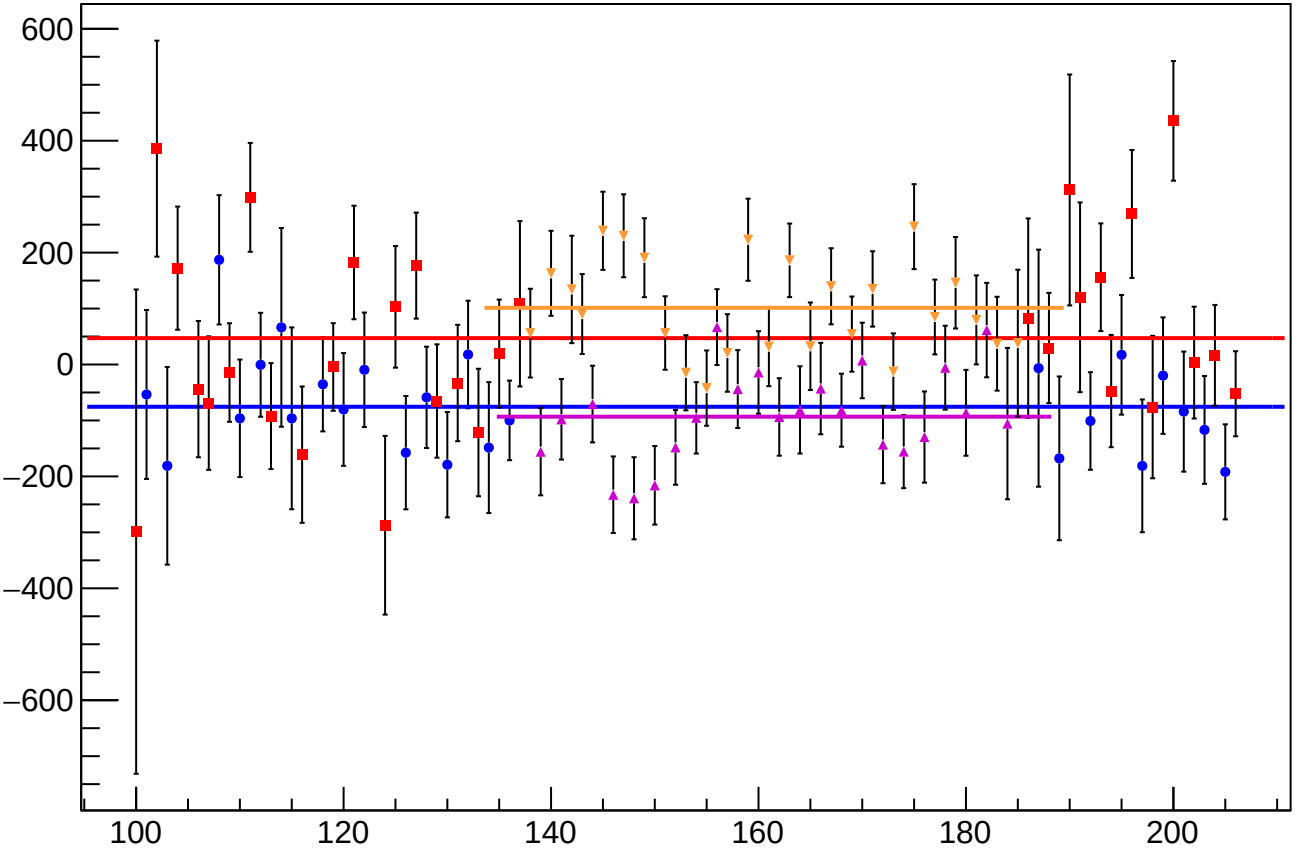
Left In: 310.697+/-0.052 χ^2/NDF:1079476.2/22

+ sign 325.642+/-0.043 χ^2/NDF: 9775608.8/49

All: 326.306+/-0.031 χ^2/NDF: 22270603.2/10

- sign 326.976+/-0.044 χ^2/NDF: 12494521.7/53

cor_asym_sam7_mean vs Slug



Right In: -75.552+/-21.047 χ^2/NDF: 15.4/24

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 47.143+/-19.597 χ^2/NDF: 55.8/30

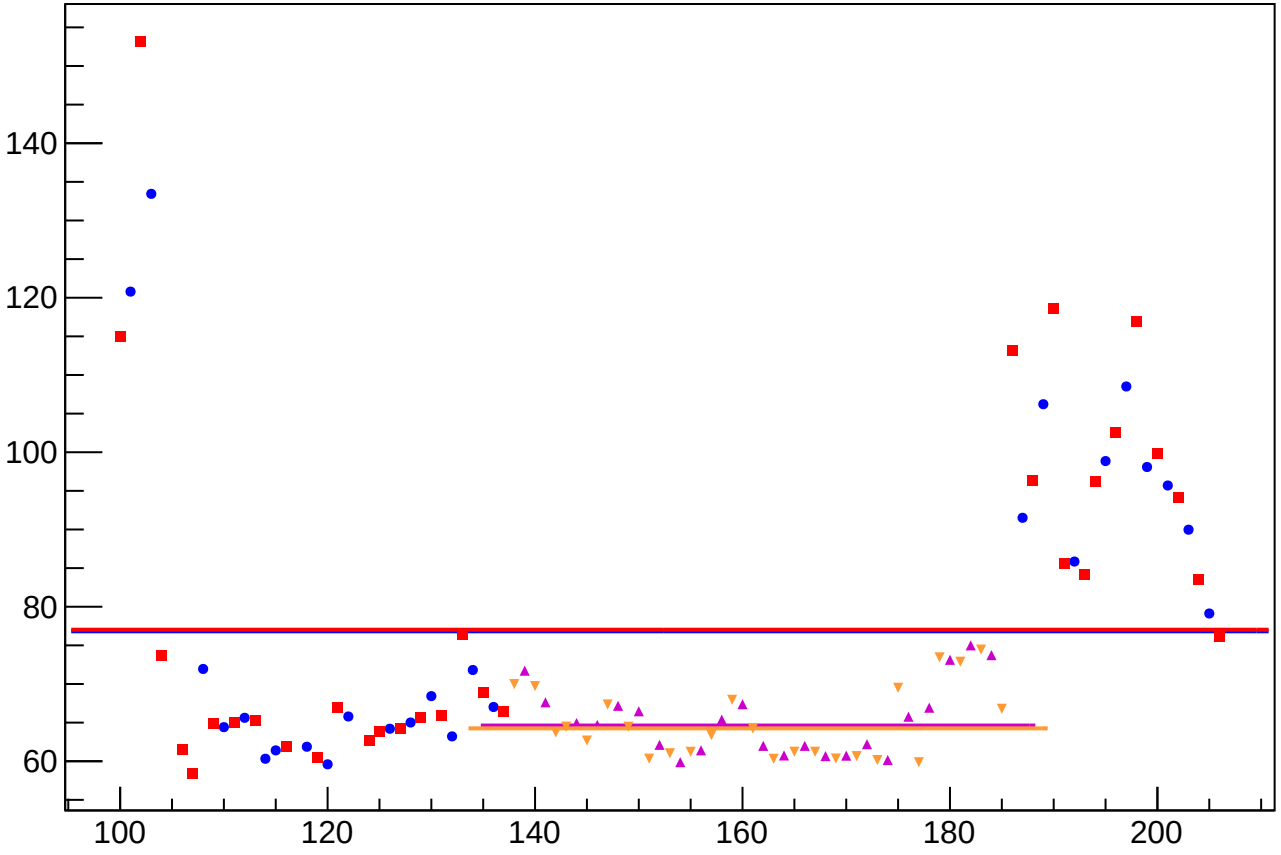
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 43.641+/-12.019 χ^2/NDF: 96.8/49

All: 1.289+/-8.485 χ^2/NDF: 238.3/103

- sign -40.782+/-11.979 χ^2/NDF: 116.7/53

cor_asym_sam7_rms vs Slug



Right In: 76.821+/-0.015 χ^2/NDF: 1301660.0/24

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

Right Out: 77.027+/-0.014 χ^2/NDF: 1589666.7/30

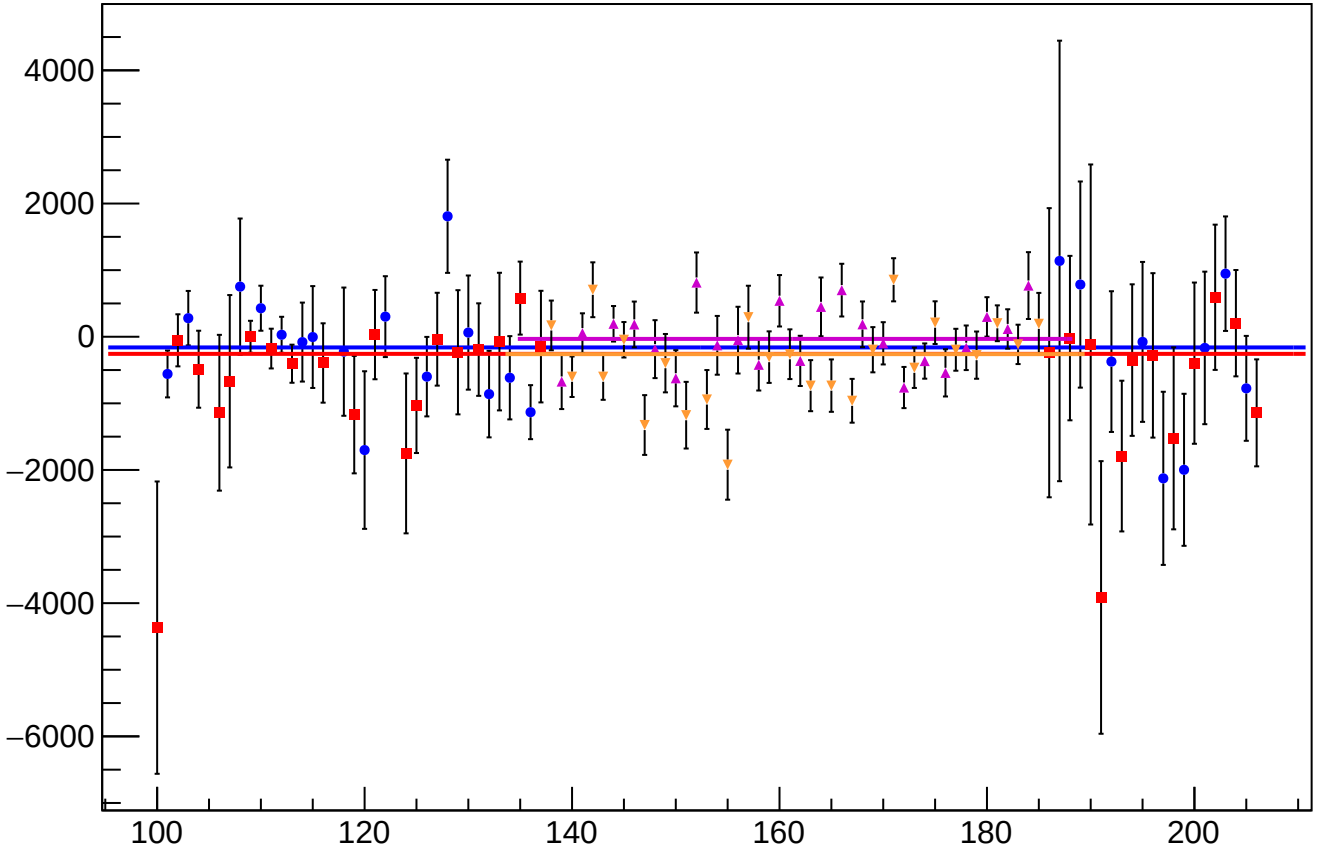
Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

+ sign 68.353+/-0.008 χ^2/NDF: 1959696.0/49

All: 68.806+/-0.006 χ^2/NDF: 4204184.1/103

- sign 69.257+/-0.008 χ^2/NDF: 2238822.3/53

asym_sam7_cor_correction_mean vs Slug



Right In: -160.408+/-119.293 χ^2/NDF: 30.2/24

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -257.079+/-111.480 χ^2/NDF: 20.7/30

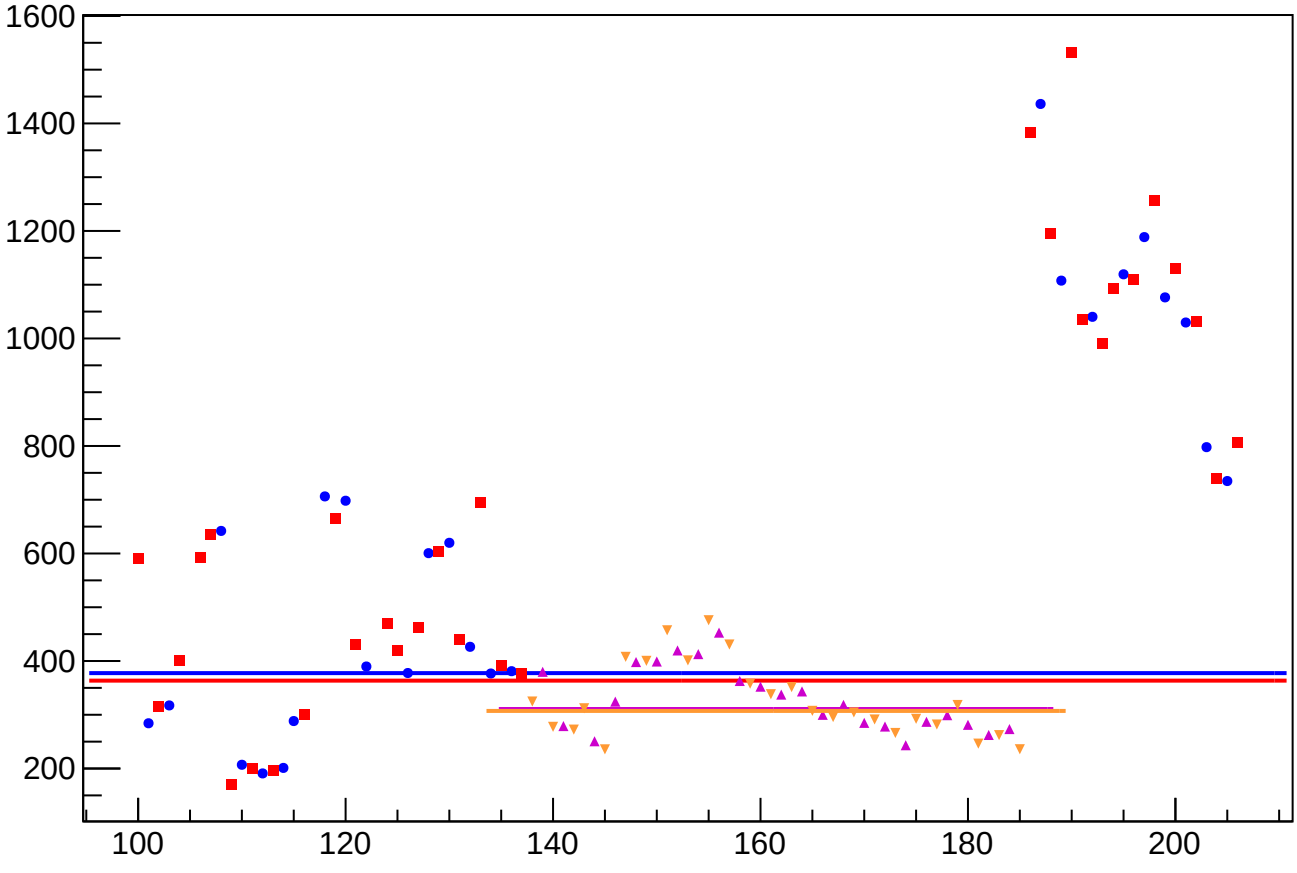
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -234.633+/-61.181 χ^2/NDF: 89.6/49

All: -168.189+/-43.395 χ^2/NDF: 147.2/103

- sign -100.923+/-61.559 χ^2/NDF: 55.3/53

asym_sam7_cor_correction_rms vs Slug



Right In: 377.475+/-0.084 χ^2/NDF: 7943121.3/24

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 363.499+/-0.079 χ^2/NDF: 11086190.4/30

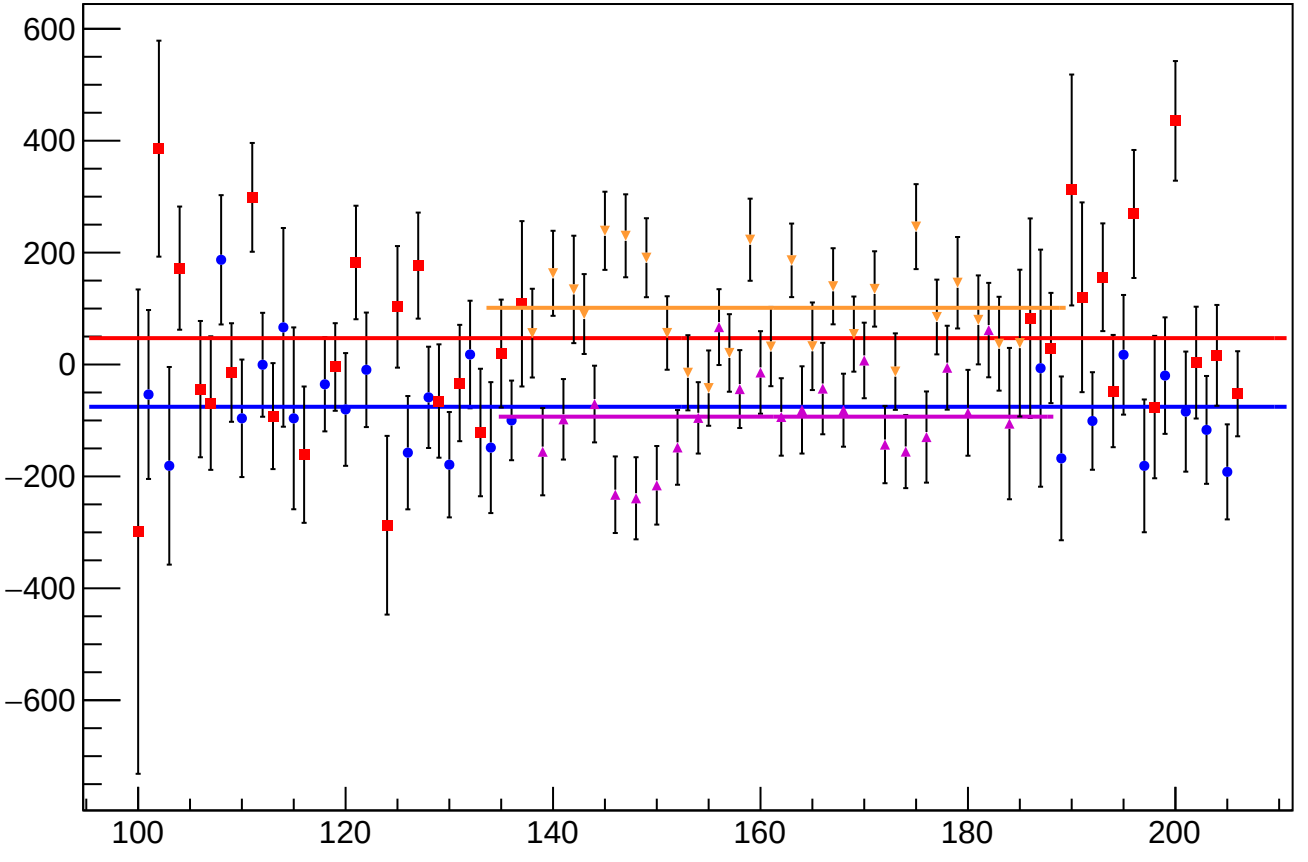
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 325.643+/-0.043 χ^2/NDF: 9775602.1/49

All: 326.217+/-0.031 χ^2/NDF: 22253490.1/10

- sign 326.798+/-0.044 χ^2/NDF: 12477533.7/53

eigen_cor_asym_sam7_mean vs Slug



Right In: -75.552+/-21.047 χ^2/NDF: 15.4/24

Left Out: 101.325+/-14.642 χ^2/NDF:33.9/24

Right Out: 47.143+/-19.597 χ^2/NDF: 55.8/30

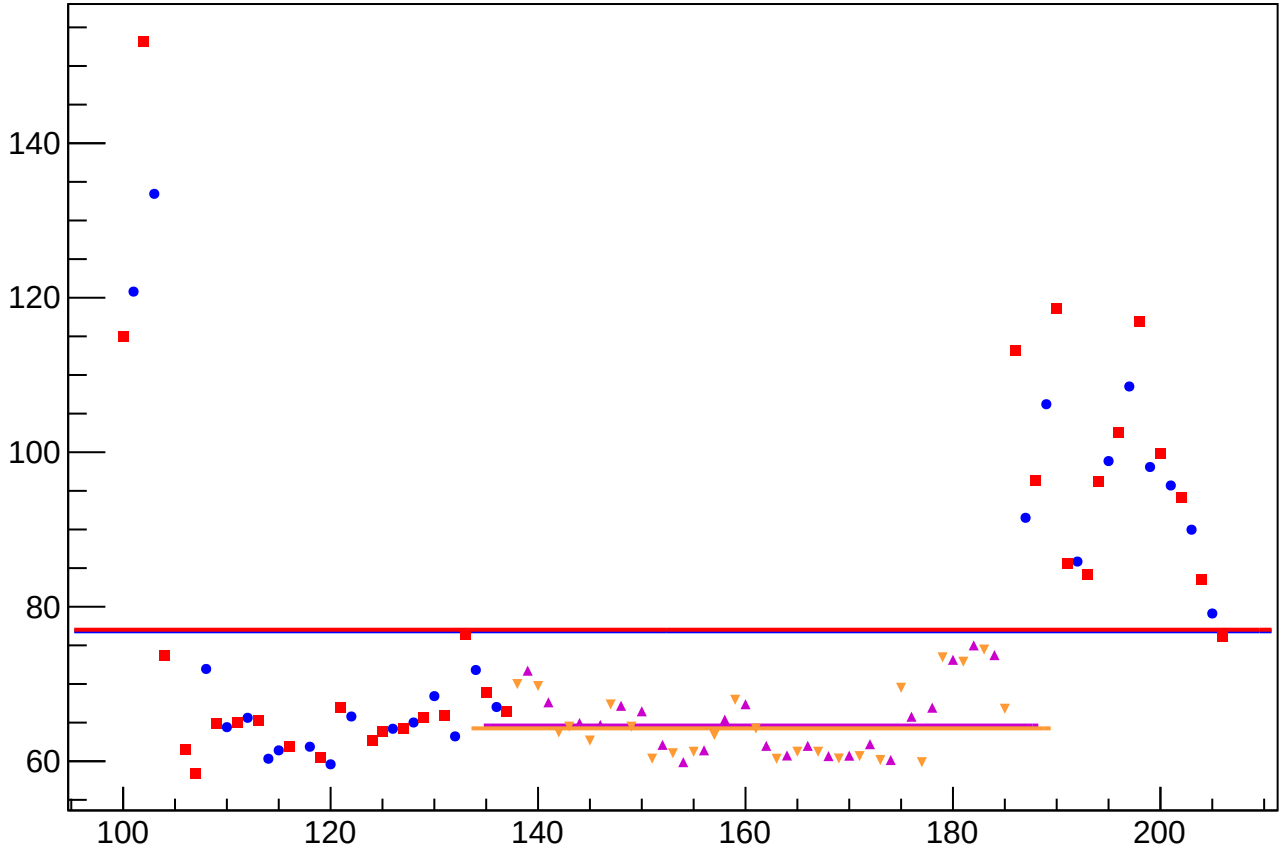
Left In: -93.235+/-15.137 χ^2/NDF:28.8/22

+ sign 43.641+/-12.019 χ^2/NDF: 96.8/49

All: 1.289+/-8.485 χ^2/NDF: 238.3/103

- sign -40.782+/-11.979 χ^2/NDF: 116.7/53

eigen_cor_asym_sam7_rms vs Slug



Right In: 76.821+/-0.015 χ^2/NDF: 1301660.0/24

Left Out: 64.256+/-0.010 χ^2/NDF:177697.9/24

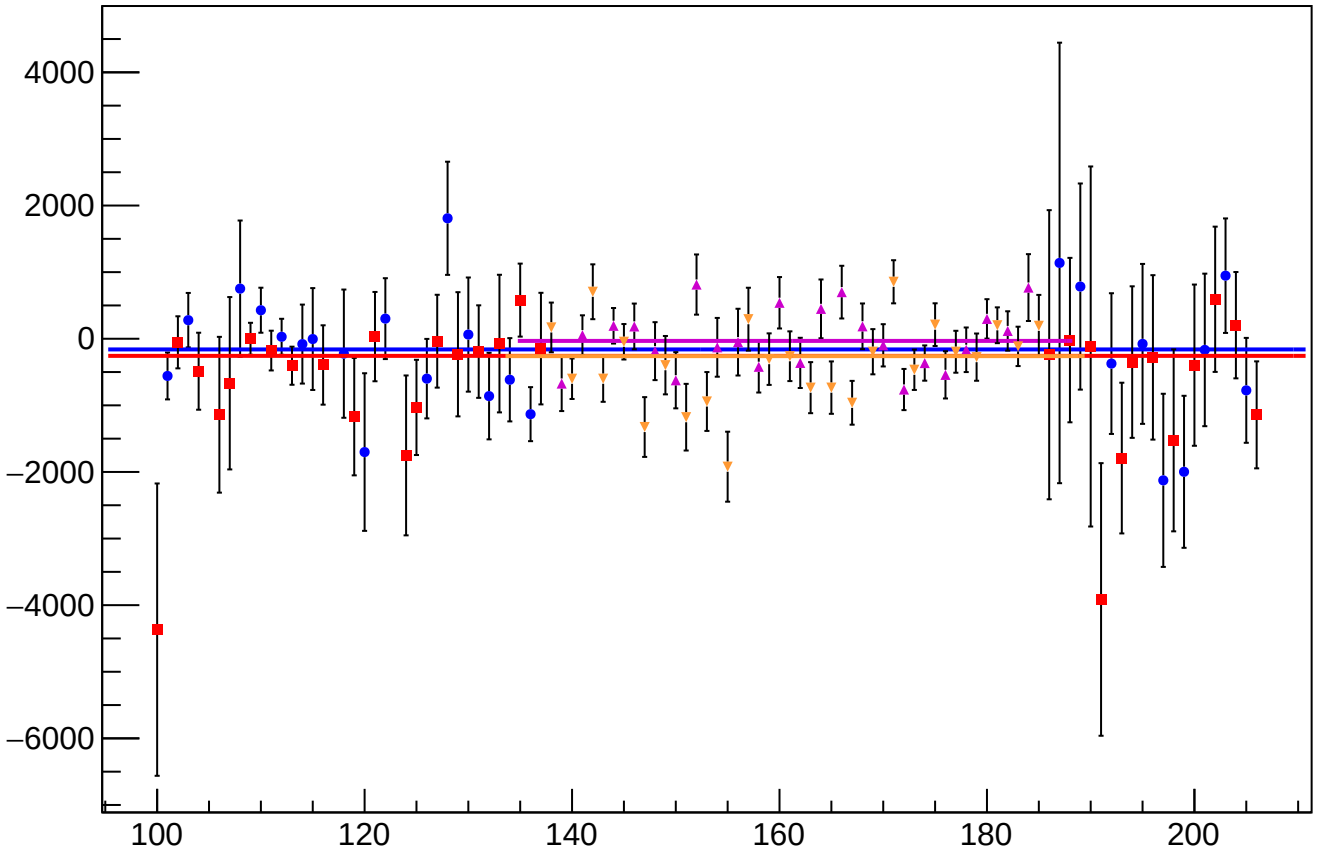
Right Out: 77.027+/-0.014 χ^2/NDF: 1589666.7/30

Left In: 64.621+/-0.011 χ^2/NDF:147201.3/22

\+ sign 68.353+/-0.008 χ^2/NDF: 1959696.0/49

All: 68.806+/-0.006 χ^2/NDF: 4204184.1/103

\- sign 69.257+/-0.008 χ^2/NDF: 2238822.3/53



Right In: -160.408+/-119.293 χ^2/NDF: 30.2/24

Left Out: -261.124+/-71.268 χ^2/NDF:58.8/24

Right Out: -257.079+/-111.480 χ^2/NDF: 20.7/30

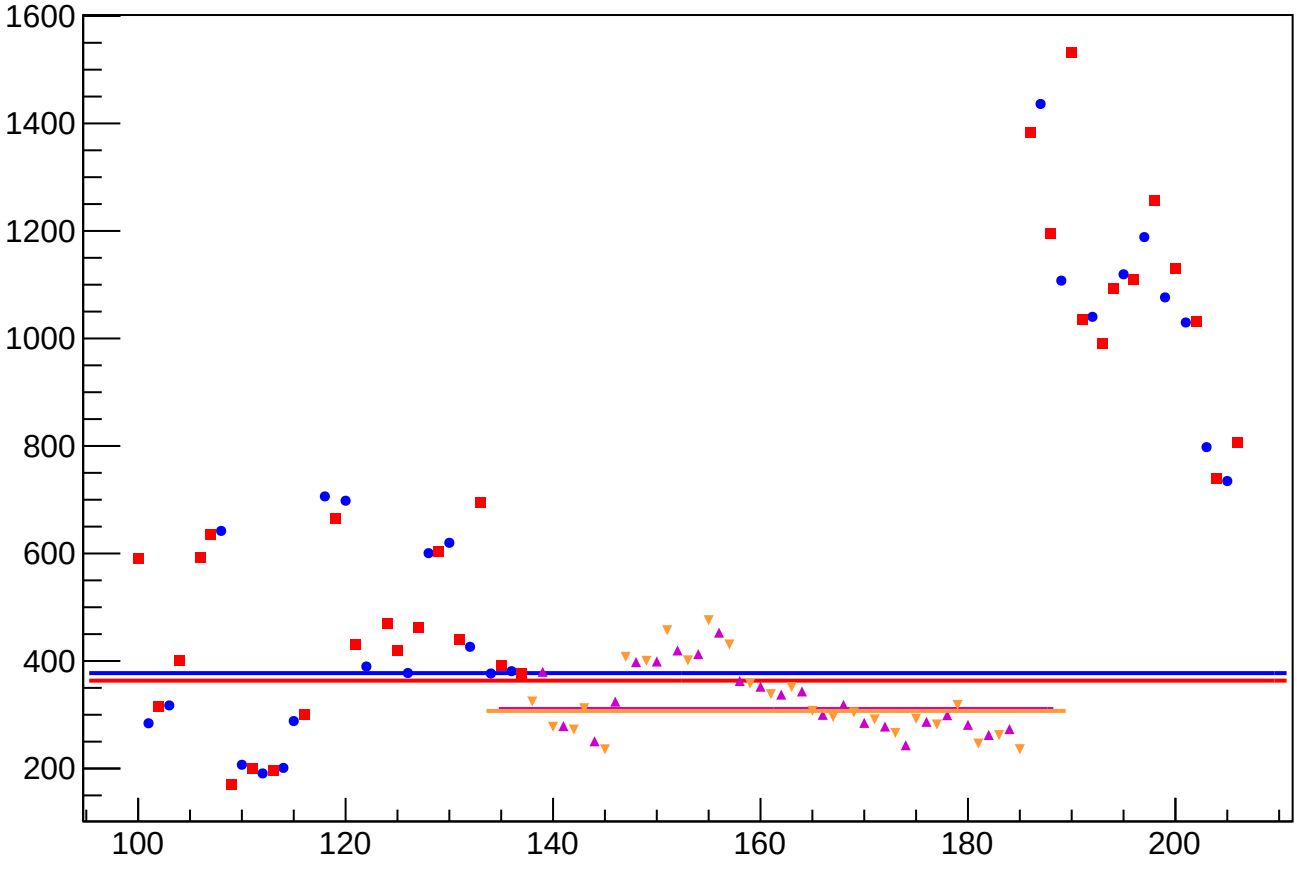
Left In: -32.420+/-73.837 χ^2/NDF:31.7/22

+ sign -234.633+/-61.181 χ^2/NDF: 89.6/49

All: -168.189+/-43.395 χ^2/NDF: 147.2/103

- sign -100.923+/-61.559 χ^2/NDF: 55.3/53

asym_sam7_eigen_cor_correction_rms vs Slug



Right In: 377.475+/-0.084 χ^2/NDF: 7943121.3/24

Left Out: 307.143+/-0.050 χ^2/NDF:1320147.4/24

Right Out: 363.499+/-0.079 χ^2/NDF: 11086190.4/30

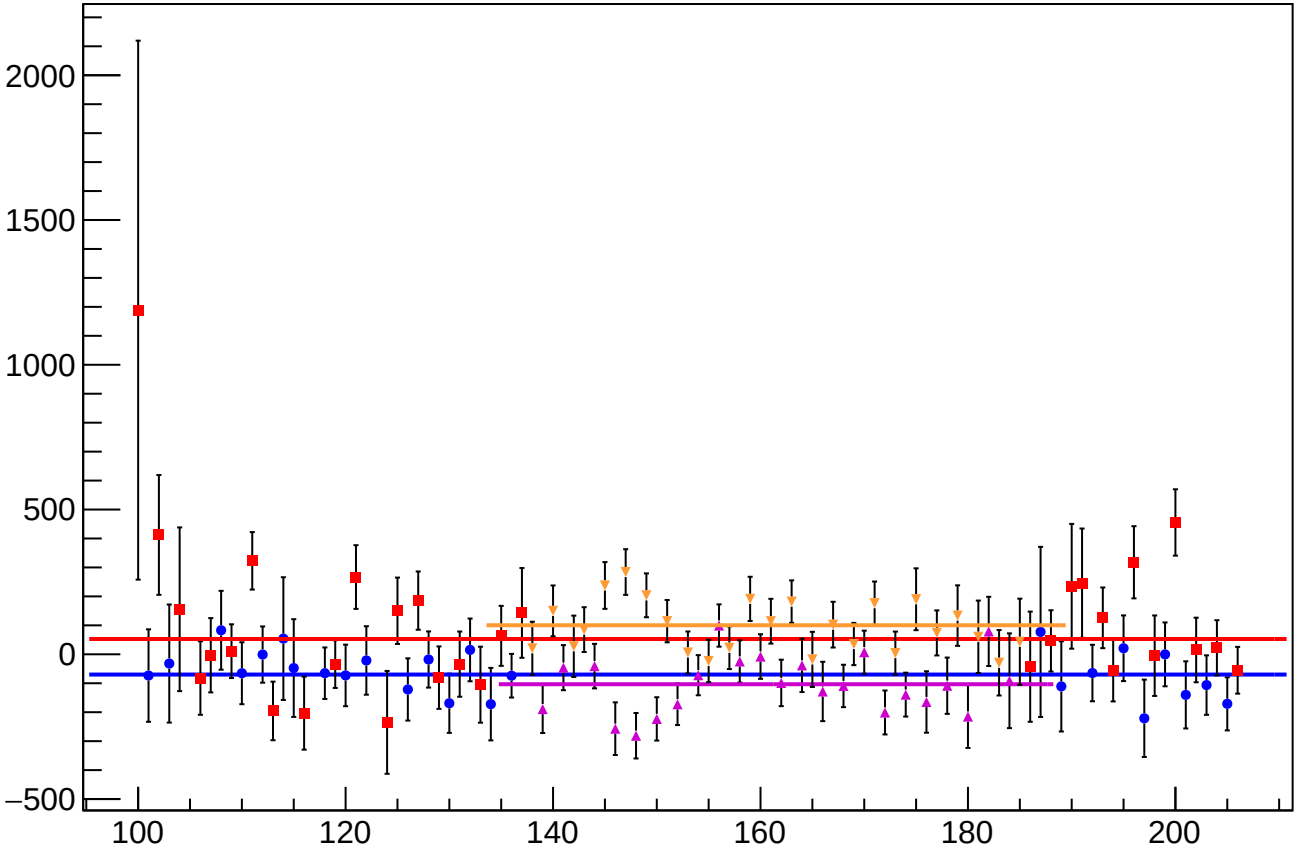
Left In: 310.698+/-0.052 χ^2/NDF:1079479.8/22

+ sign 325.643+/-0.043 χ^2/NDF: 9775602.1/49

All: 326.217+/-0.031 χ^2/NDF: 22253490.1/10

- sign 326.798+/-0.044 χ^2/NDF: 12477533.7/53

dit_asym_sam7_mean vs Slug



Right In: -69.975+/-22.766 χ^2/NDF: 9.4/24

Left Out: 100.277+/-16.625 χ^2/NDF:27.7/24

Right Out: 52.864+/-21.258 χ^2/NDF: 60.2/30

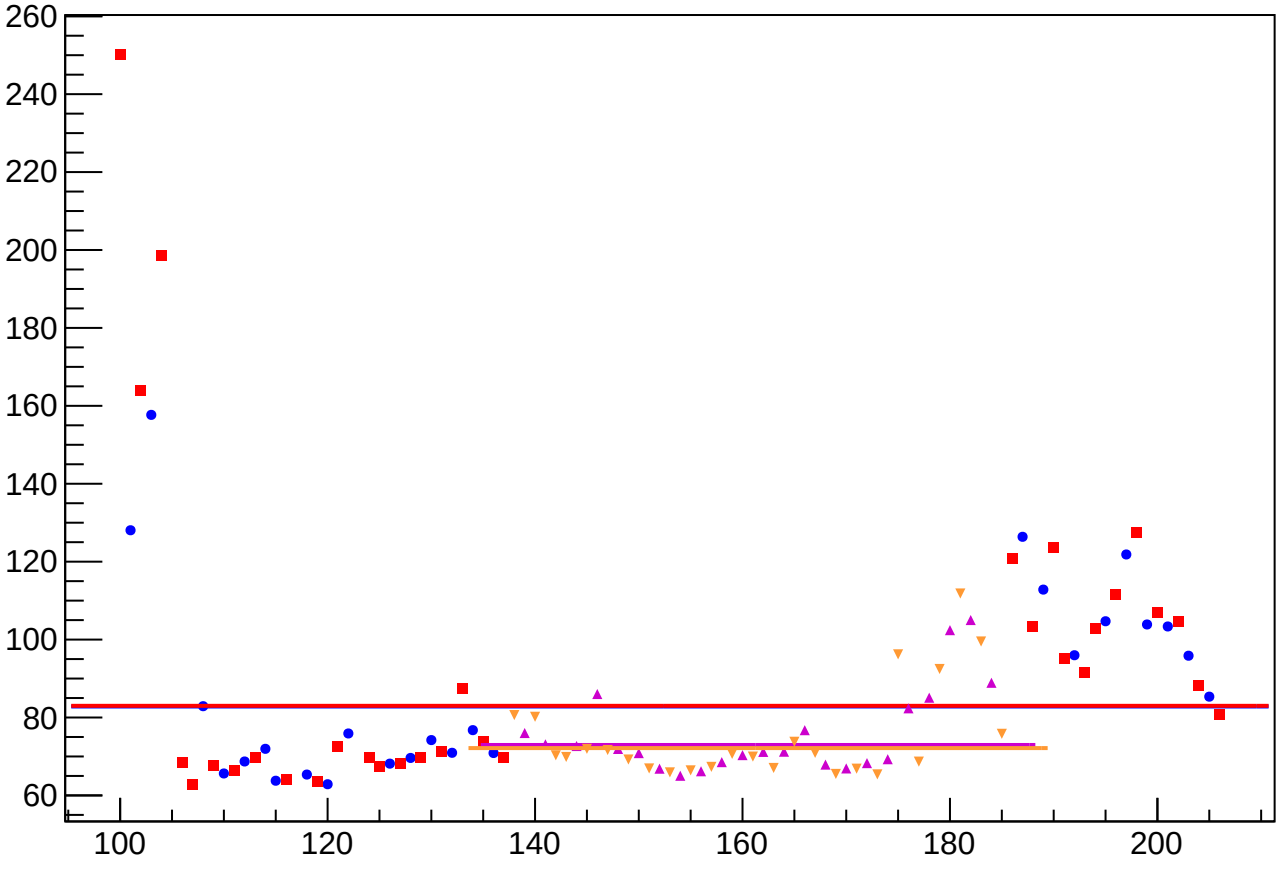
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 41.063+/-13.426 χ^2/NDF: 73.6/49

All: -0.195+/-9.484 χ^2/NDF: 217.9/103

- sign -41.291+/-13.400 χ^2/NDF: 125.4/53

dit_asym_sam7_rms vs Slug



Right In: 82.829+/-0.016 χ^2/NDF: 1445436.6/24

Left Out: 72.150+/-0.012 χ^2/NDF:641970.1/24

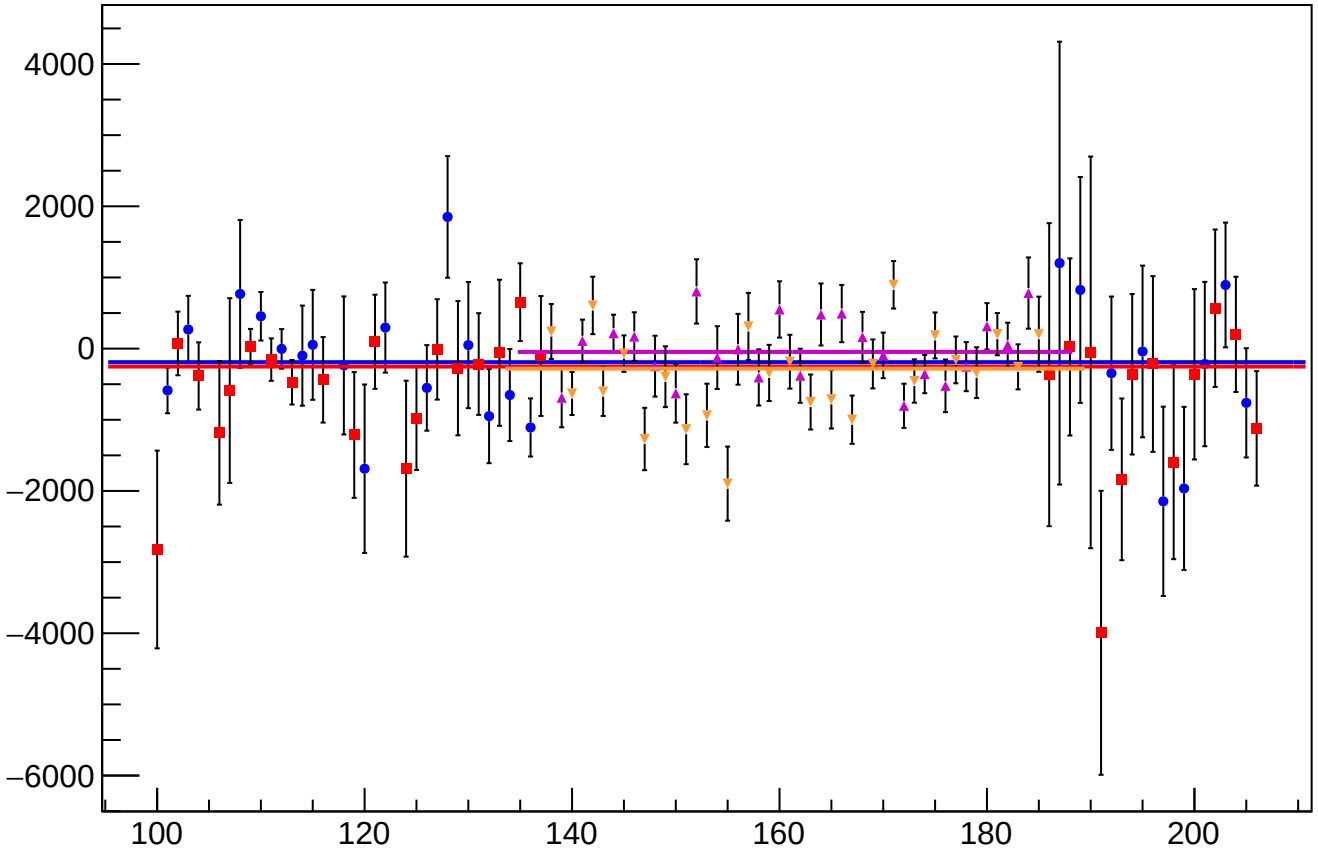
Right Out: 82.997+/-0.015 χ^2/NDF: 2072818.2/30

Left In: 72.948+/-0.012 χ^2/NDF:509028.0/22

+ sign 75.864+/-0.009 χ^2/NDF: 2374458.5/49

All: 76.403+/-0.007 χ^2/NDF: 5232079.8/103

- sign 76.941+/-0.009 χ^2/NDF: 2851177.9/53



Right In: -190.506+/-121.498 χ^2/NDF: 30.0/24

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -252.187+/-113.304 χ^2/NDF: 22.3/30

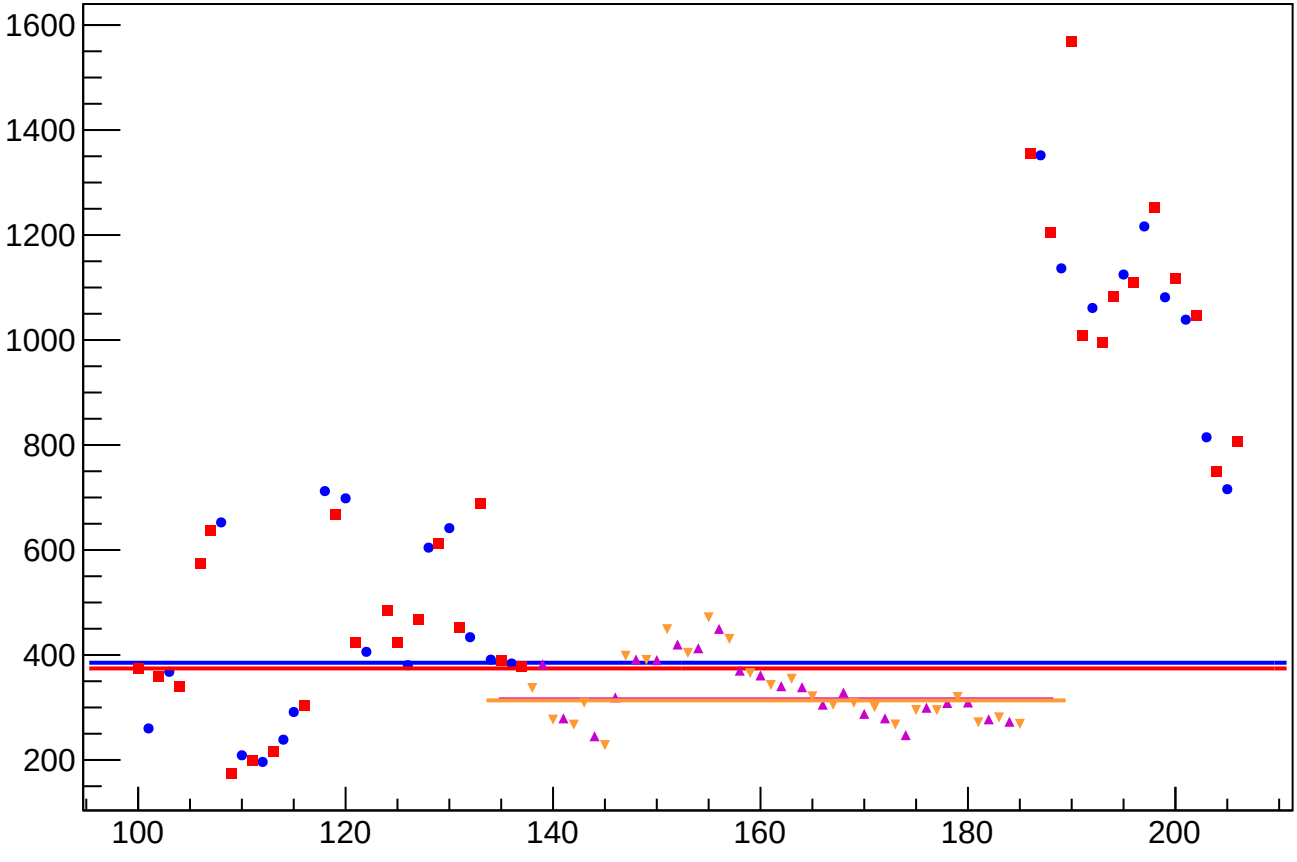
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -257.371+/-62.282 χ^2/NDF: 87.2/49

All: -183.468+/-44.110 χ^2/NDF: 145.3/103

- sign -109.094+/-62.480 χ^2/NDF: 55.3/53

asym_sam7_dit_correction_rms vs Slug



Right In: 385.243+/-0.086 χ^2/NDF: 7877395.3/24

Left Out: 313.500+/-0.051 χ^2/NDF:1175529.4/24

Right Out: 374.376+/-0.080 χ^2/NDF: 10708471.8/30

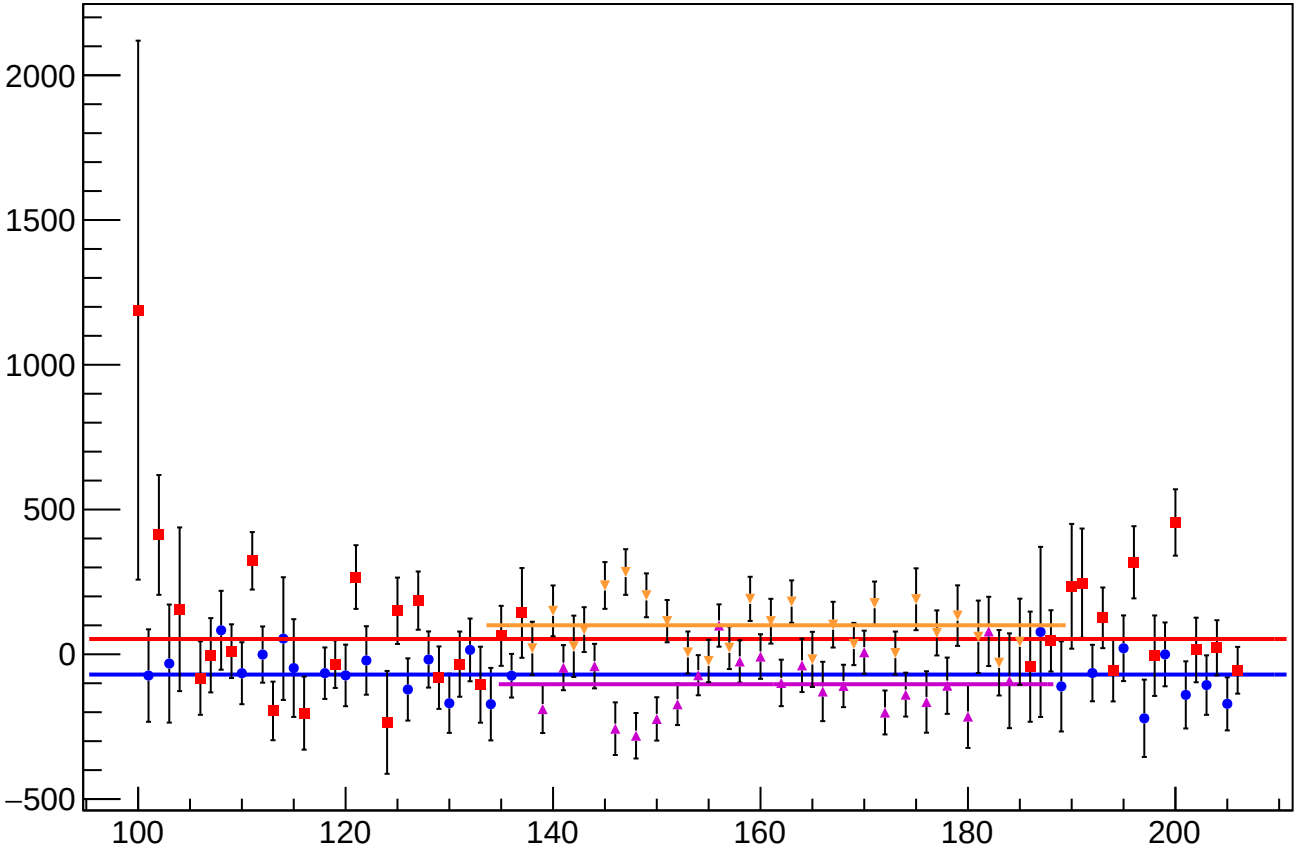
Left In: 315.455+/-0.053 χ^2/NDF:1008523.1/22

+ sign 332.352+/-0.044 χ^2/NDF: 9567017.8/49

All: 332.861+/-0.031 χ^2/NDF: 21660658.7/10

- sign 333.372+/-0.044 χ^2/NDF: 12093373.8/53

eigen_dit_asym_sam7_mean vs Slug



Right In: -69.974+/-22.766 χ^2/NDF: 9.4/24

Left Out: 100.276+/-16.625 χ^2/NDF:27.7/24

Right Out: 52.864+/-21.258 χ^2/NDF: 60.2/30

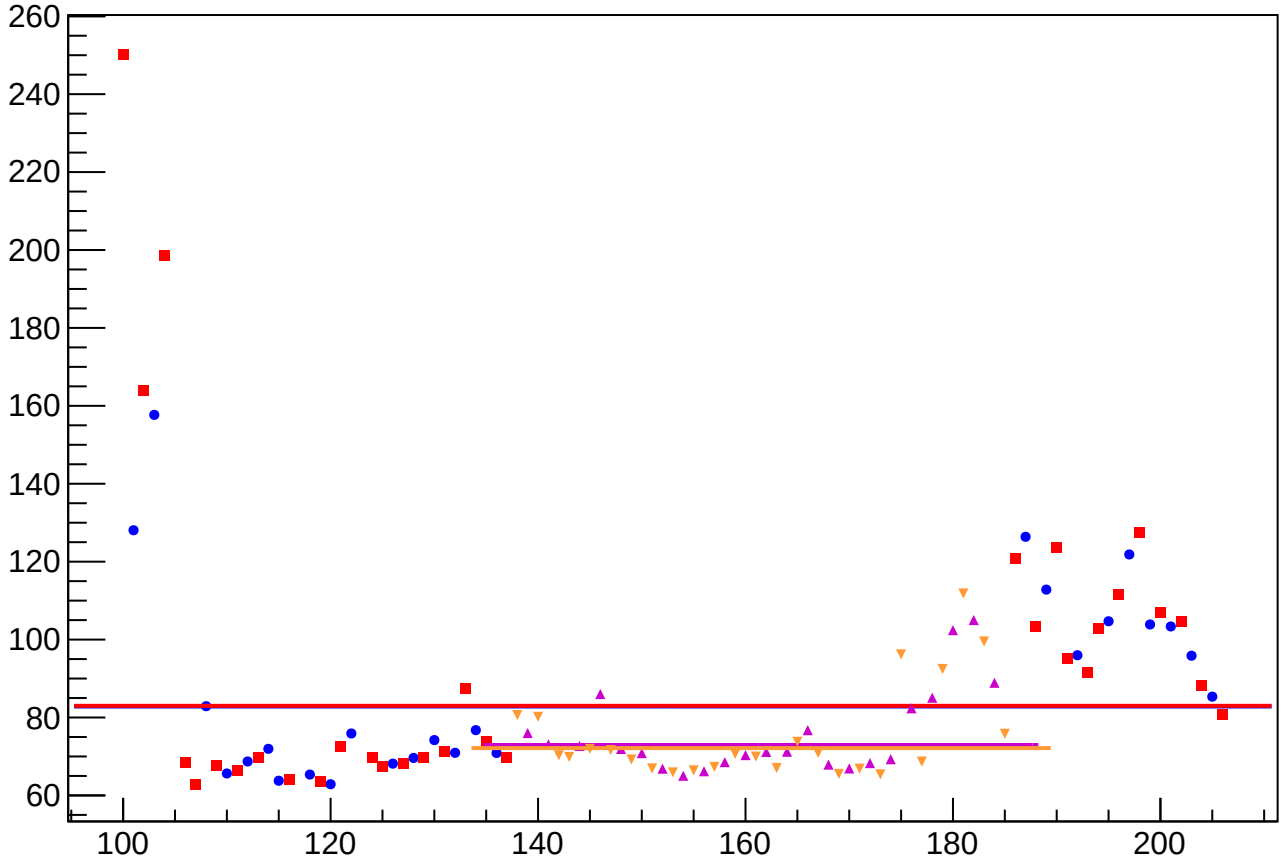
Left In: -103.363+/-17.260 χ^2/NDF:32.7/22

+ sign 41.063+/-13.426 χ^2/NDF: 73.6/49

All: -0.195+/-9.484 χ^2/NDF: 217.9/103

- sign -41.290+/-13.400 χ^2/NDF: 125.4/53

eigen_dit_asym_sam7_rms vs Slug



Right In: 82.829+/-0.016 χ^2/NDF: 1445444.9/24

Left Out: 72.150+/-0.012 χ^2/NDF:641967.4/24

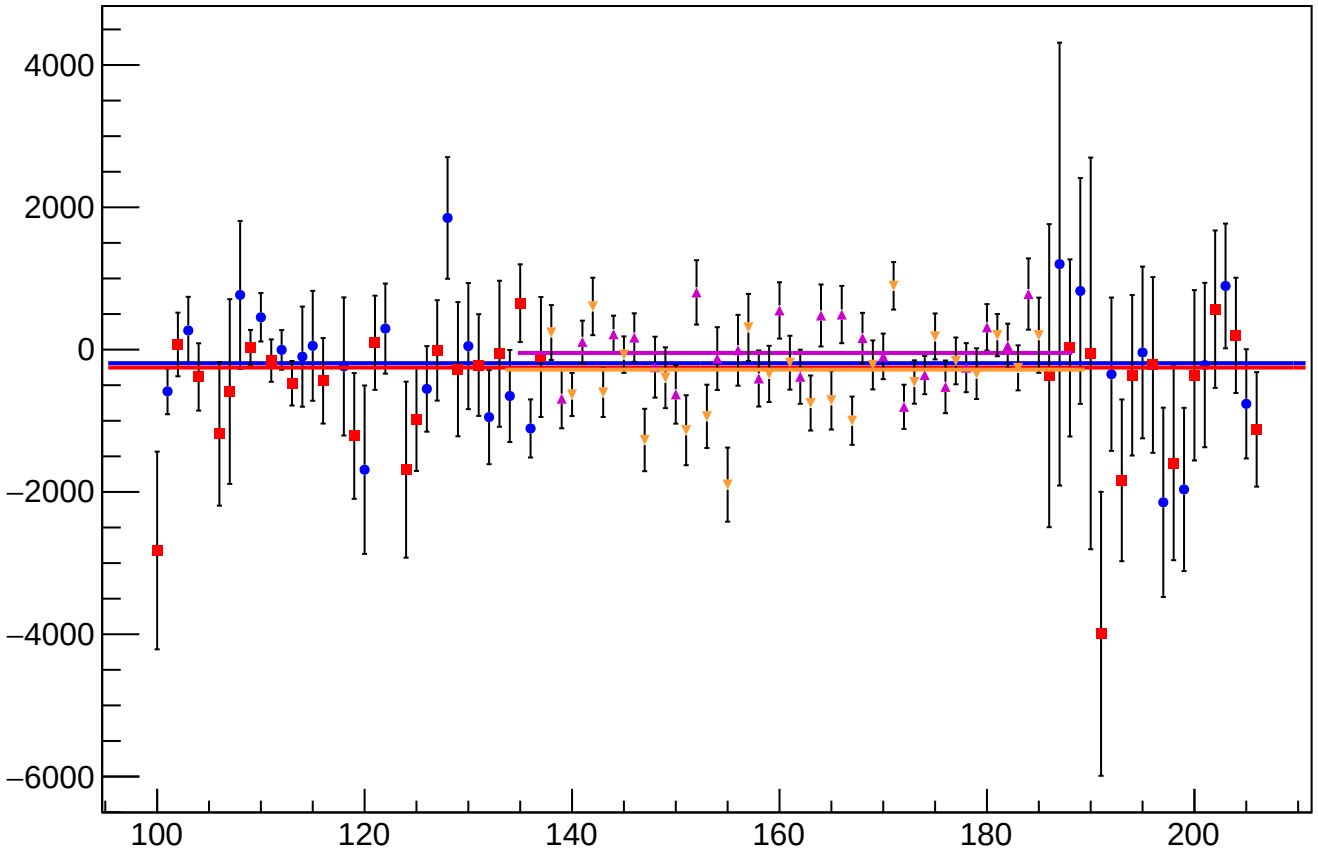
Right Out: 82.997+/-0.015 χ^2/NDF: 2072819.9/30

Left In: 72.948+/-0.012 χ^2/NDF:509028.7/22

+ sign 75.864+/-0.009 χ^2/NDF: 2374457.8/49

All: 76.403+/-0.007 χ^2/NDF: 5232075.1/103

- sign 76.941+/-0.009 χ^2/NDF: 2851173.8/53



Right In: -190.504+/-121.498 χ^2/NDF: 30.0/24

Left Out: -281.205+/-72.538 χ^2/NDF:56.8/24

Right Out: -252.186+/-113.304 χ^2/NDF: 22.3/30

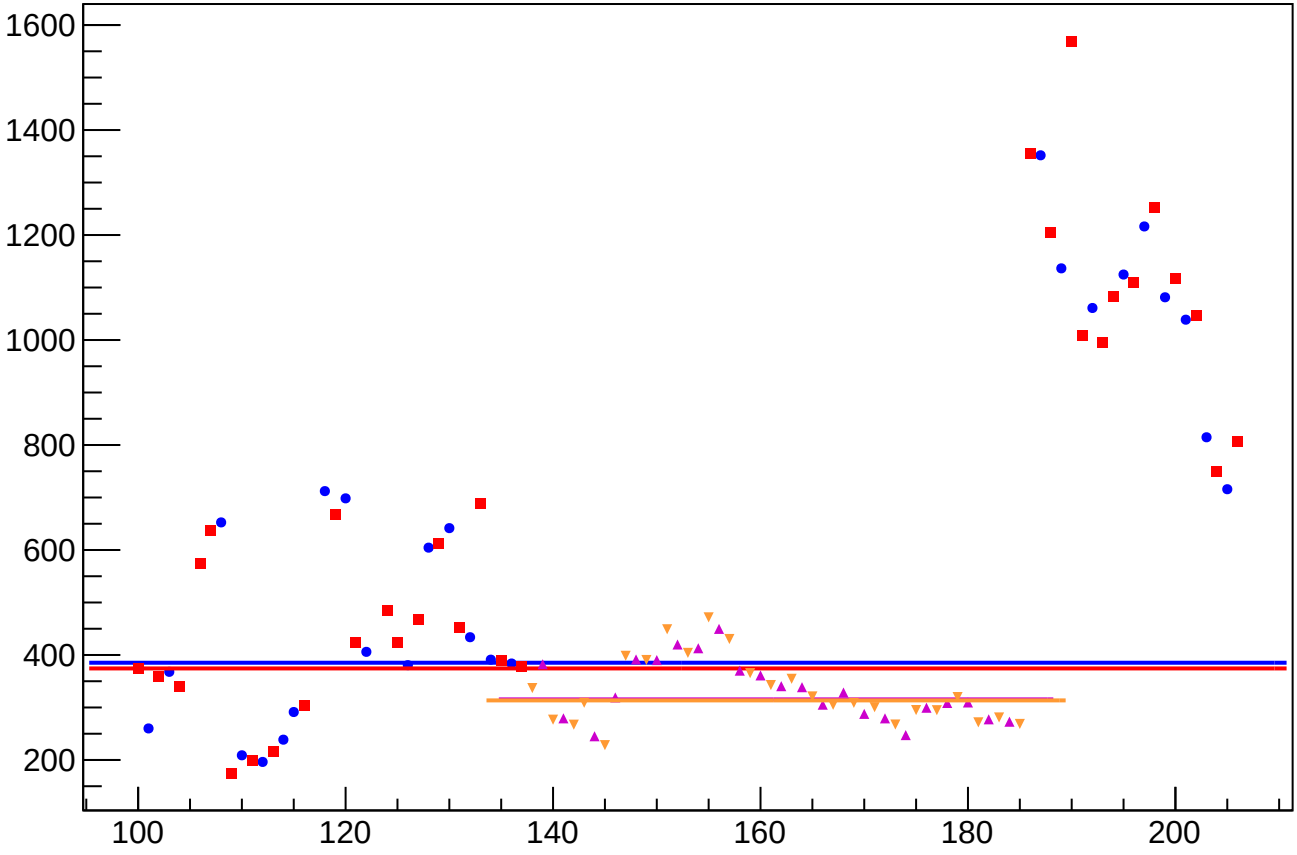
Left In: -46.569+/-74.897 χ^2/NDF:30.7/22

+ sign -257.371+/-62.282 χ^2/NDF: 87.2/49

All: -183.468+/-44.110 χ^2/NDF: 145.3/103

- sign -109.094+/-62.480 χ^2/NDF: 55.3/53

asym_sam7_eigen_dit_correction_rms vs Slug



Right In: 385.240+/-0.086 χ^2/NDF: 7877471.5/24

Left Out: 313.500+/-0.051 χ^2/NDF:1175534.8/24

Right Out: 374.374+/-0.080 χ^2/NDF: 10708518.5/30

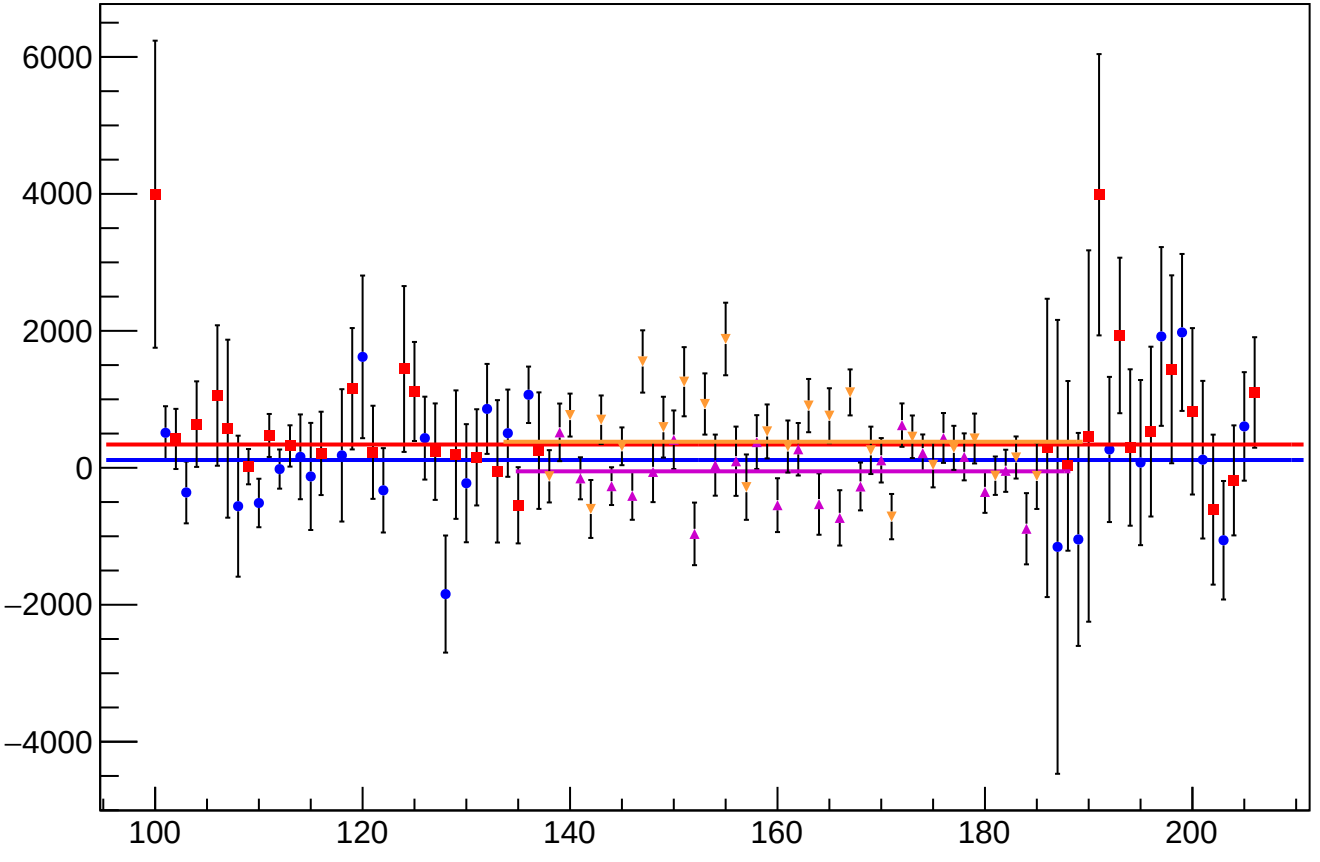
Left In: 315.456+/-0.053 χ^2/NDF:1008521.8/22

+ sign 332.352+/-0.044 χ^2/NDF: 9567060.8/49

All: 332.860+/-0.031 χ^2/NDF: 21660721.4/10

- sign 333.372+/-0.044 χ^2/NDF: 12093393.3/53

asym_sam7_mean vs Slug



Right In: 113.911+/-124.449 χ^2/NDF: 28.3/24

Left Out: 380.624+/-73.057 χ^2/NDF:55.4/24

Right Out: 340.150+/-116.501 χ^2/NDF: 19.0/30

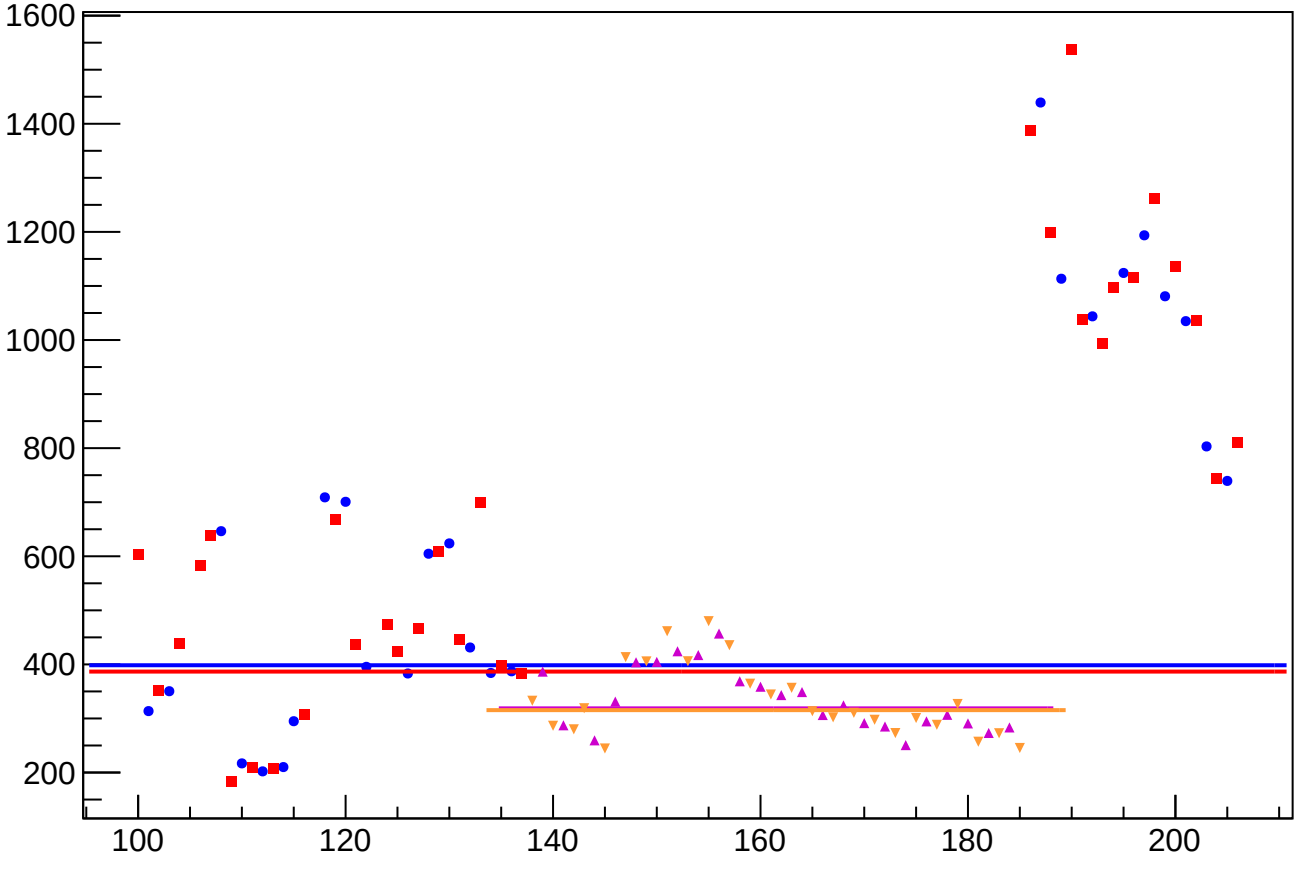
Left In: -51.474+/-75.629 χ^2/NDF:28.2/22

+ sign 312.267+/-63.003 χ^2/NDF: 87.2/49

All: 189.297+/-44.702 χ^2/NDF: 150.0/103

- sign 64.635+/-63.435 χ^2/NDF: 55.1/53

asym_sam7_rms vs Slug



Right In: 398.431+/-0.088 χ^2/NDF: 7476369.7/24

Left Out: 315.396+/-0.052 χ^2/NDF:1210106.0/24

Right Out: 386.721+/-0.082 χ^2/NDF: 10478594.2/30

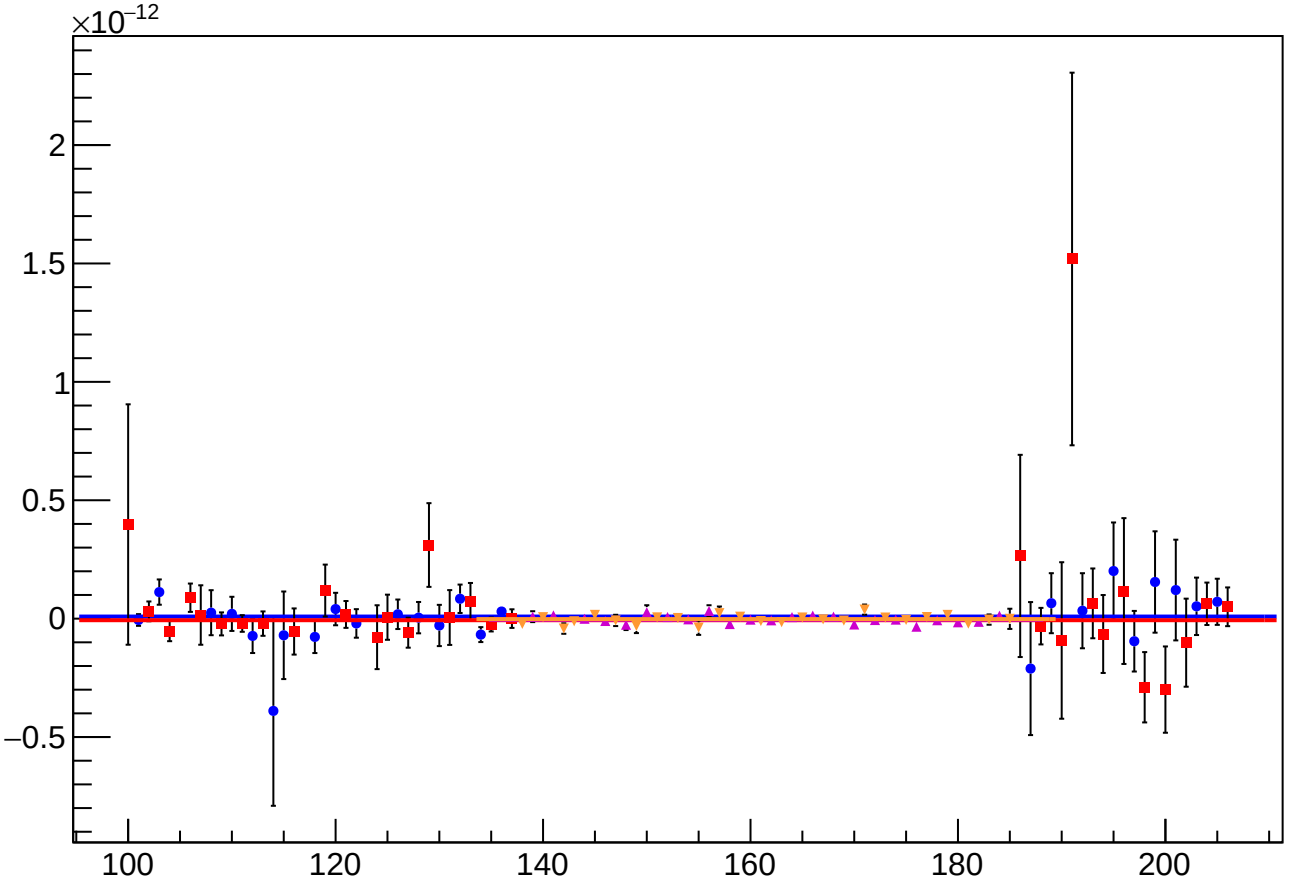
Left In: 318.688+/-0.053 χ^2/NDF:991604.7/22

+ sign 336.677+/-0.045 χ^2/NDF: 9348656.8/49

All: 337.760+/-0.032 χ^2/NDF: 21299865.2/10

- sign 338.859+/-0.045 χ^2/NDF: 11950017.7/53

asym_sam7_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.0/24

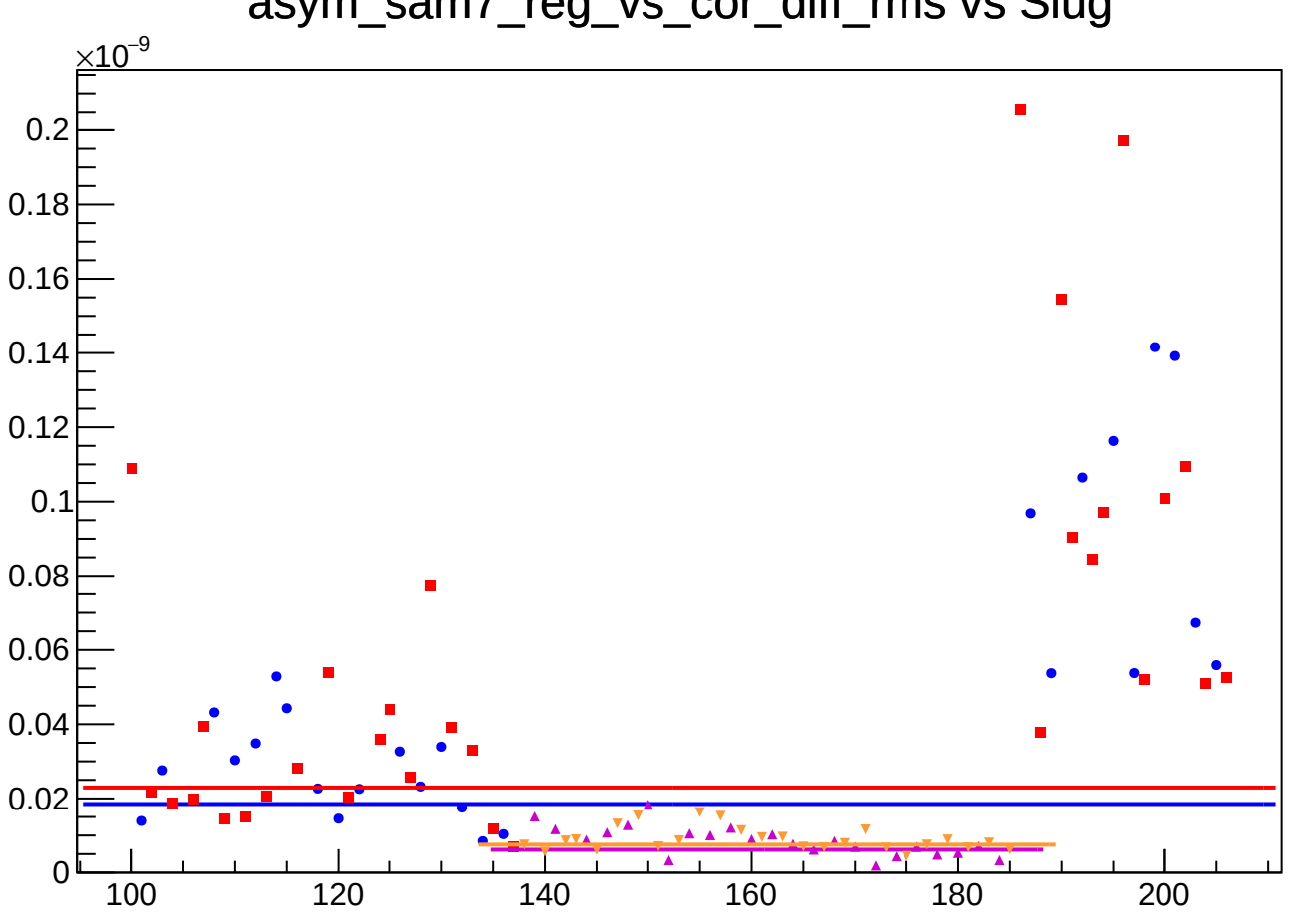
Right Out: -0.000+/-0.000 χ^2/NDF: 25.2/30

Left In: -0.000+/-0.000 χ^2/NDF:17.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 41.3/49

All: -0.000+/-0.000 χ^2/NDF: 85.0/103

- sign -0.000+/-0.000 χ^2/NDF: 42.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 4757091.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1208953.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4954900.6/30

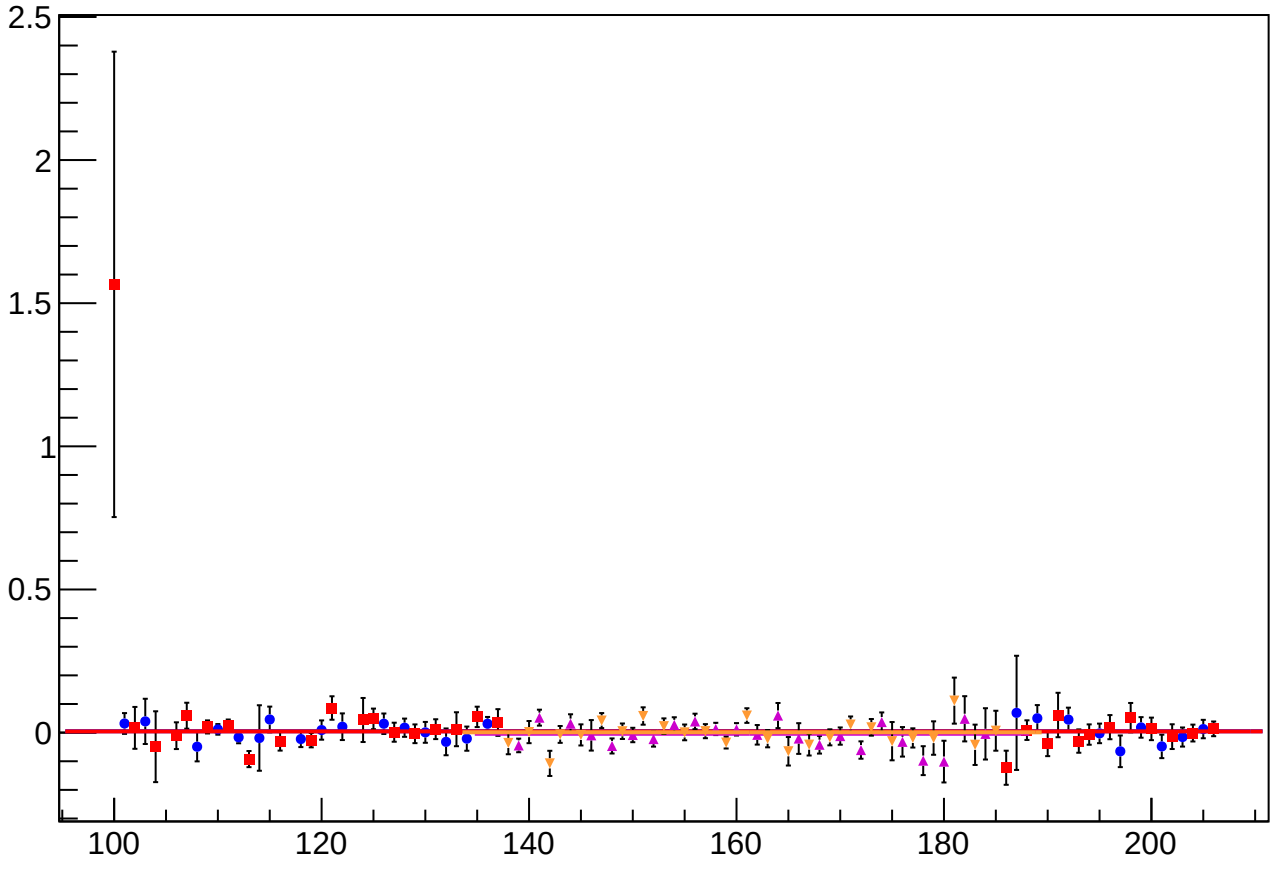
Left In: 0.000+/-0.000 χ^2/NDF:2784673.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 7897540.8/49

All: 0.000+/-0.000 χ^2/NDF: 19393866.6/103

- sign 0.000+/-0.000 χ^2/NDF: 11306831.2/53

asym_sam7_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.3/30

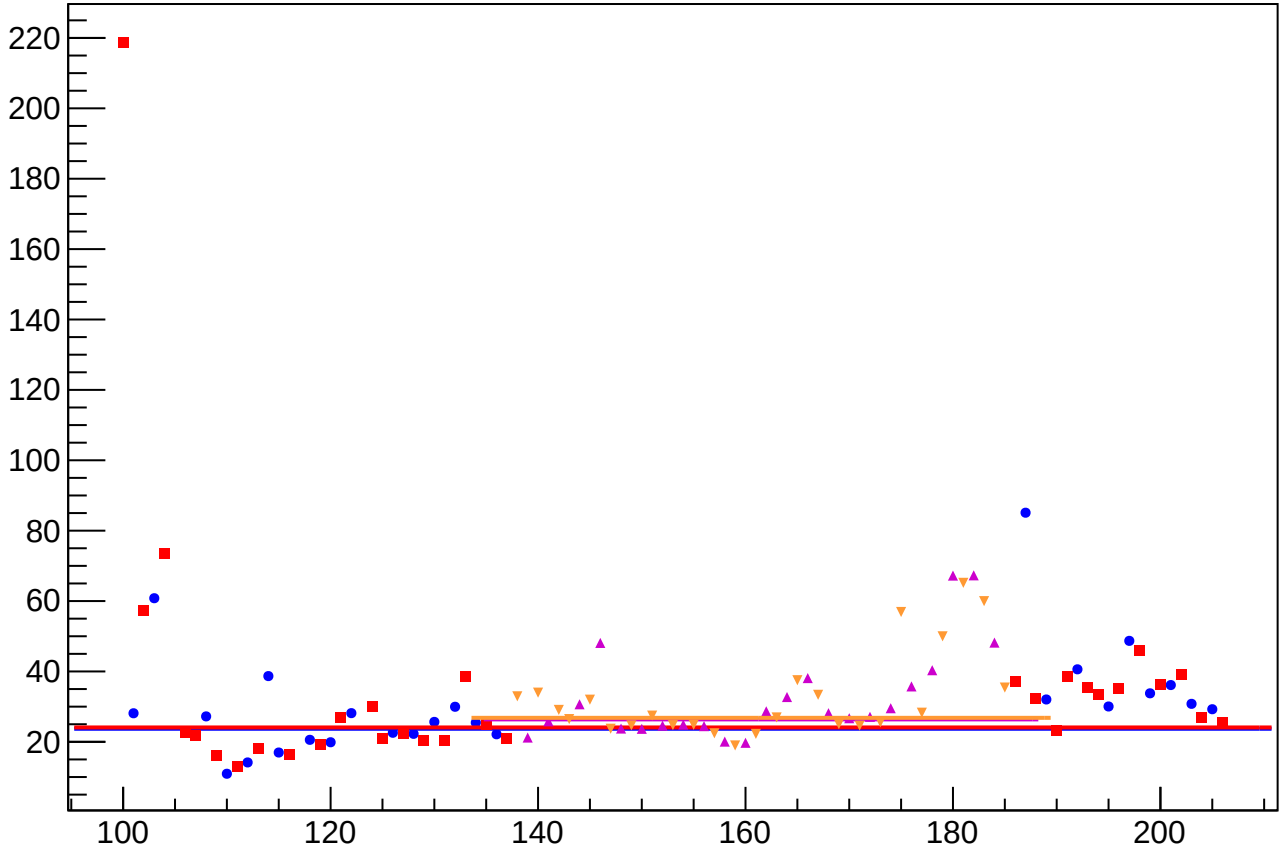
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 44.2/49

All: 0.002+/-0.003 χ^2/NDF: 114.6/103

- sign 0.000+/-0.005 χ^2/NDF: 70.2/53

asym_sam7_dit_vs_cor_diff_rms vs Slug



Right In: 23.716+/-0.005 χ^2/NDF: 3605344.0/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

Right Out: 24.087+/-0.005 χ^2/NDF: 3777499.7/30

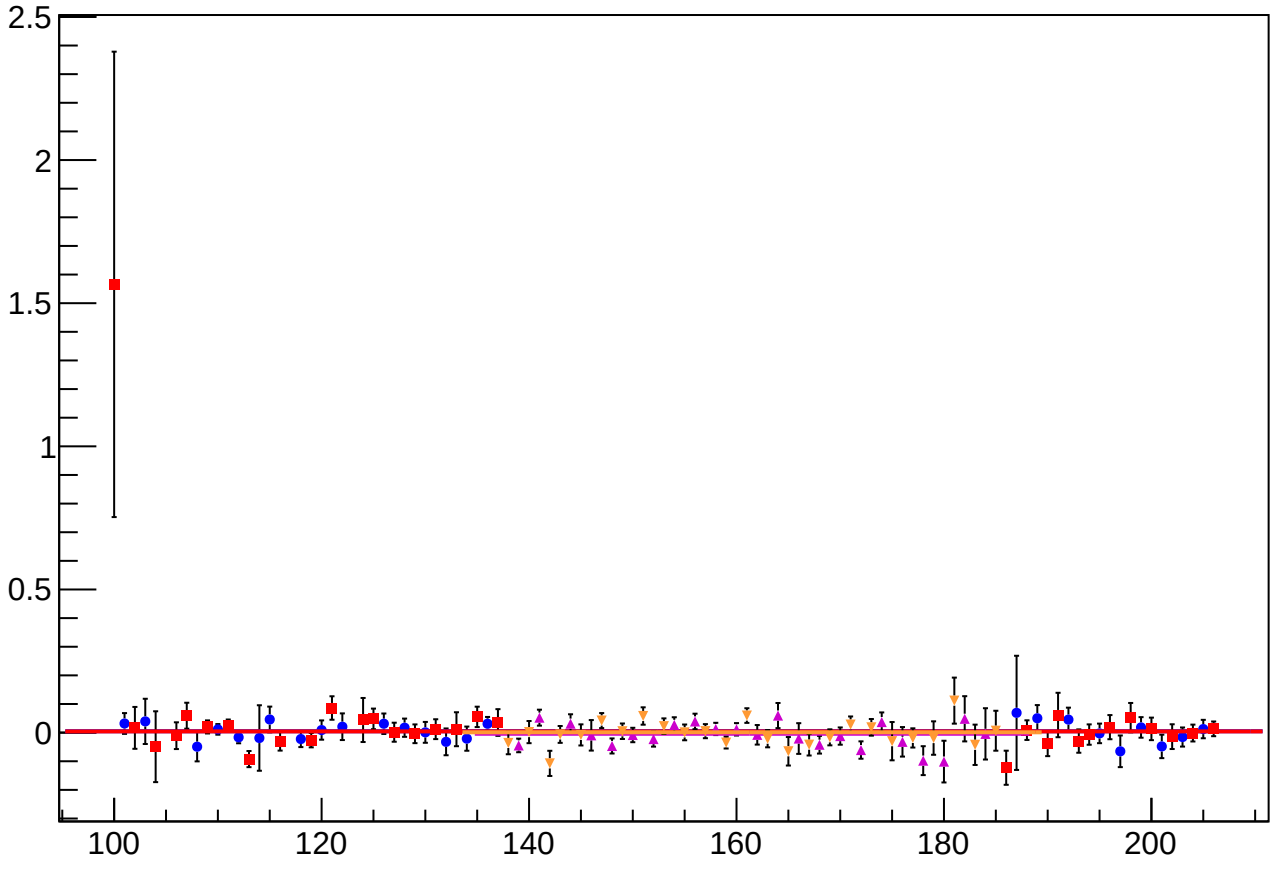
Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.382+/-0.003 χ^2/NDF: 6286899.2/49

All: 25.301+/-0.002 χ^2/NDF: 12753001.6/103

- sign 25.223+/-0.003 χ^2/NDF: 6464966.1/53

asym_sam7_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.3/30

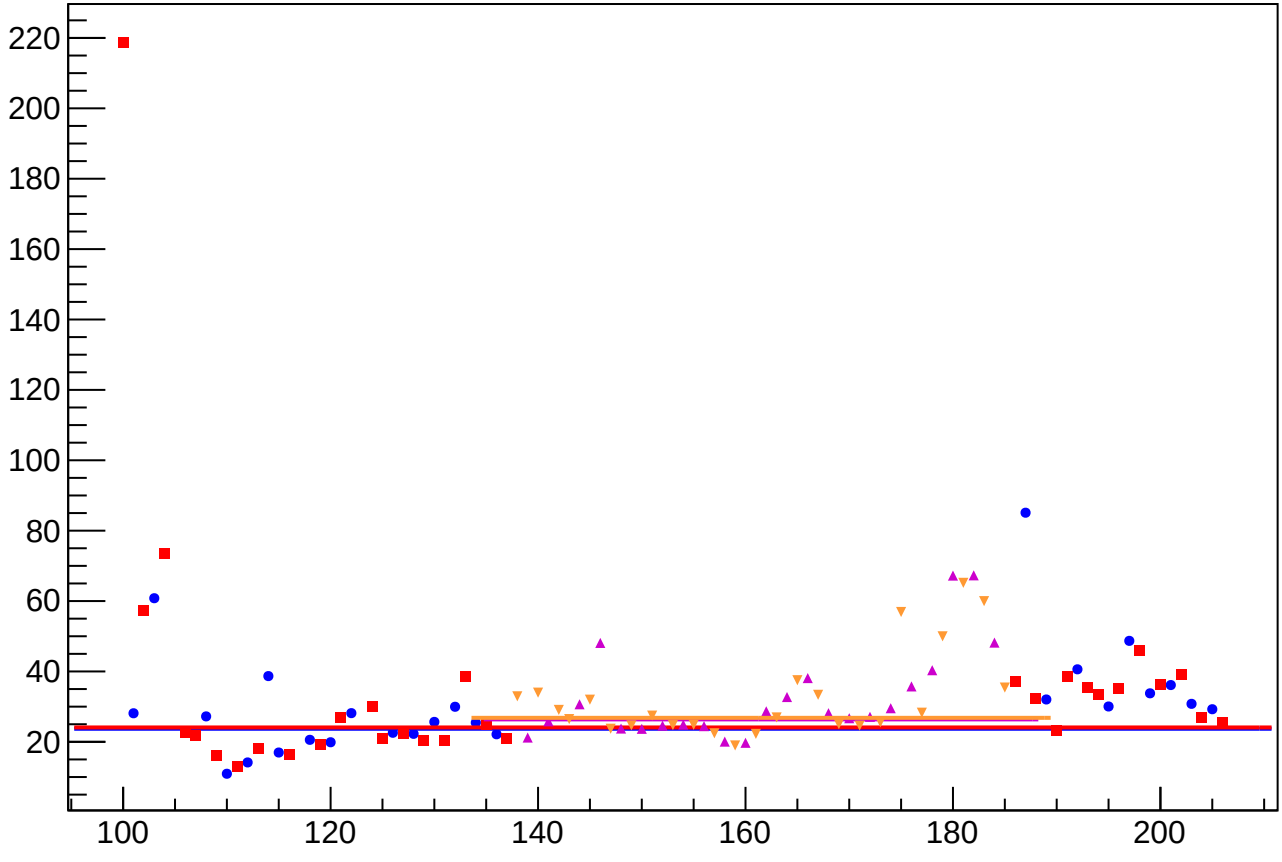
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 44.2/49

All: 0.002+/-0.003 χ^2/NDF: 114.6/103

- sign 0.000+/-0.005 χ^2/NDF: 70.2/53

asym_sam7_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.716+/-0.005 χ^2/NDF: 3605344.0/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469807.6/24

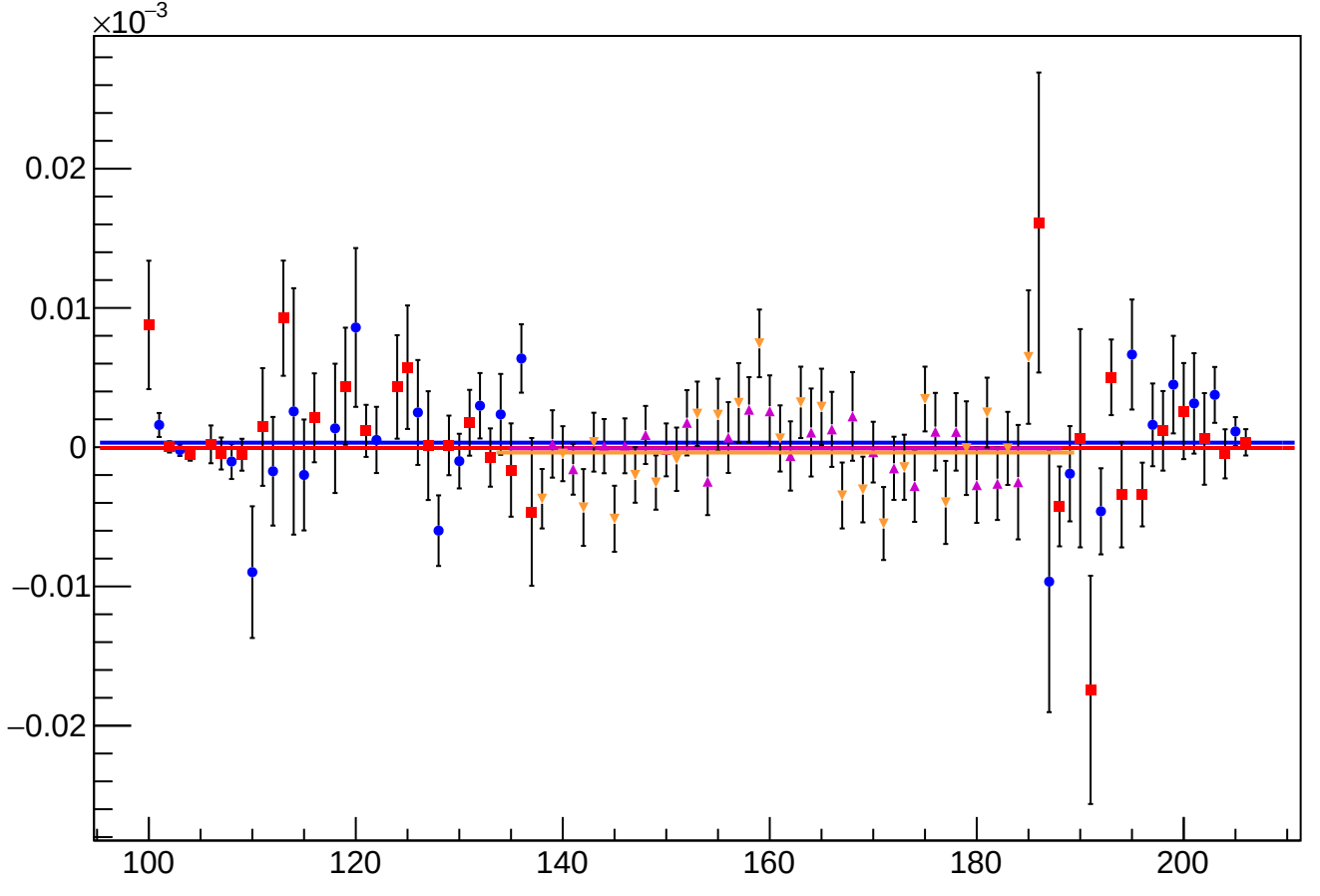
Right Out: 24.087+/-0.005 χ^2/NDF: 3777499.7/30

Left In: 26.376+/-0.005 χ^2/NDF:2566400.7/22

+ sign 25.382+/-0.003 χ^2/NDF: 6286899.2/49

All: 25.301+/-0.002 χ^2/NDF: 12753001.6/103

- sign 25.223+/-0.003 χ^2/NDF: 6464966.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 38.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:43.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/30

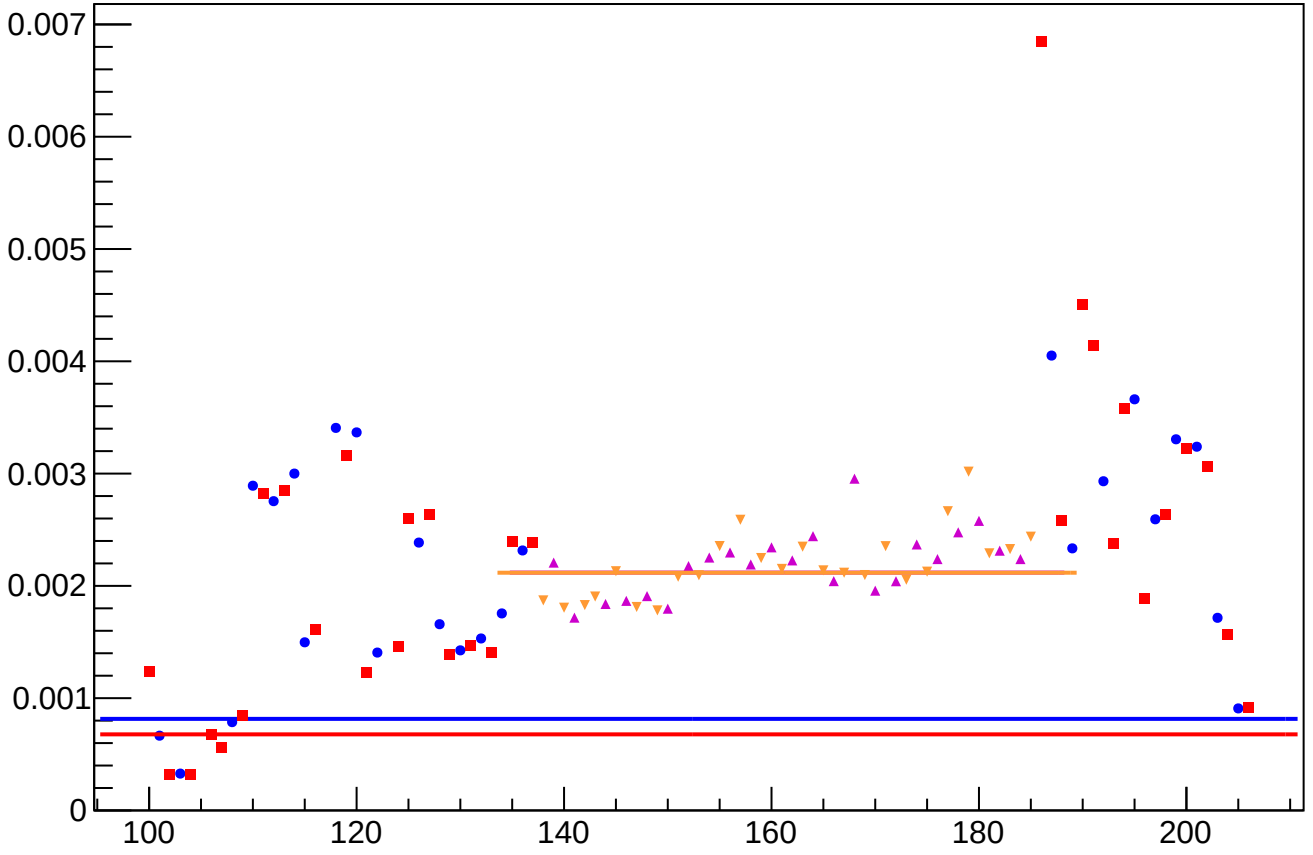
Left In: -0.000+/-0.000 χ^2/NDF:10.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.5/49

All: 0.000+/-0.000 χ^2/NDF: 127.5/103

- sign -0.000+/-0.000 χ^2/NDF: 43.7/53

asym_sam7_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 12497031.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:578720.8/24

Right Out: 0.001+/-0.000 χ^2/NDF: 15999861.2/30

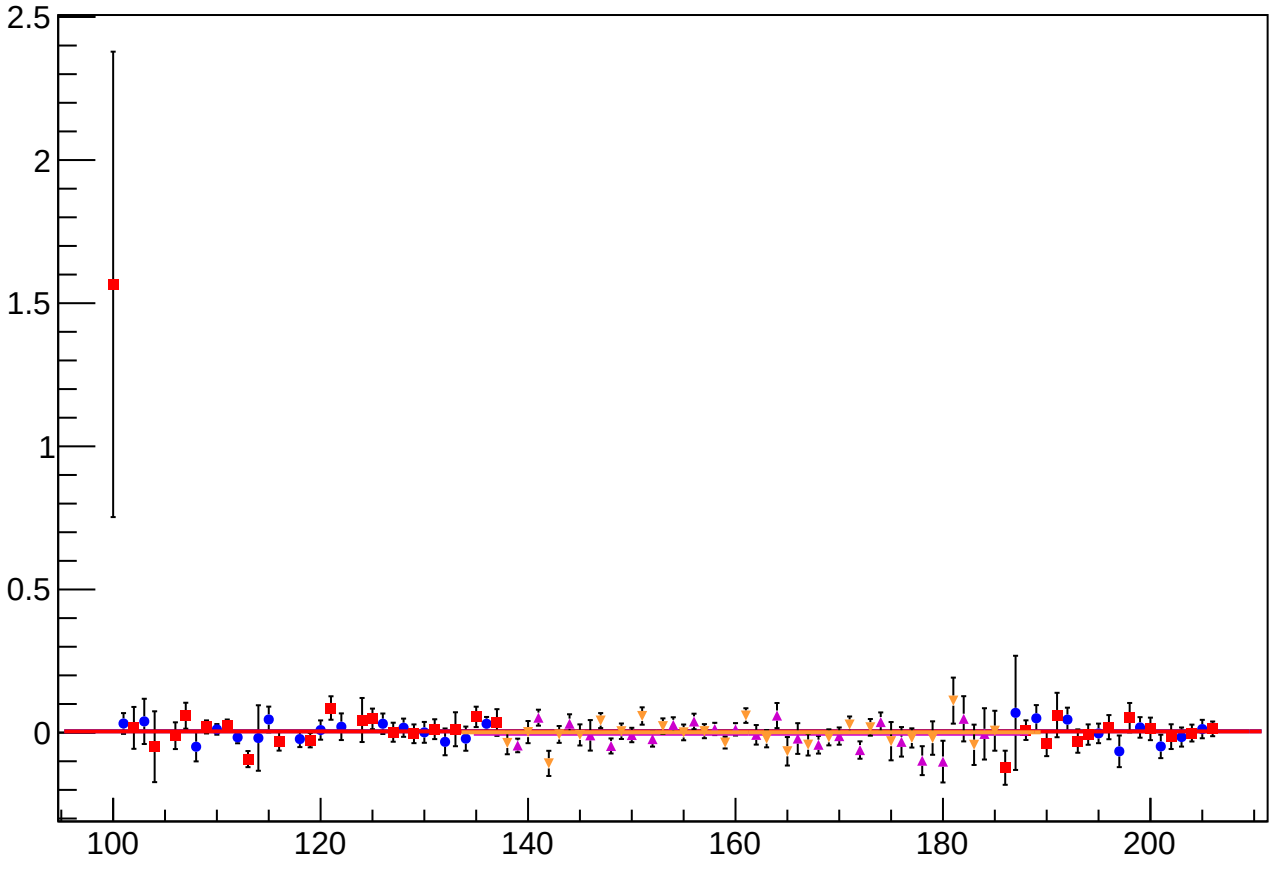
Left In: 0.002+/-0.000 χ^2/NDF:588580.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 23350156.3/49

All: 0.001+/-0.000 χ^2/NDF: 54319590.7/103

- sign 0.001+/-0.000 χ^2/NDF: 30026160.1/53

asym_sam7_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.2/30

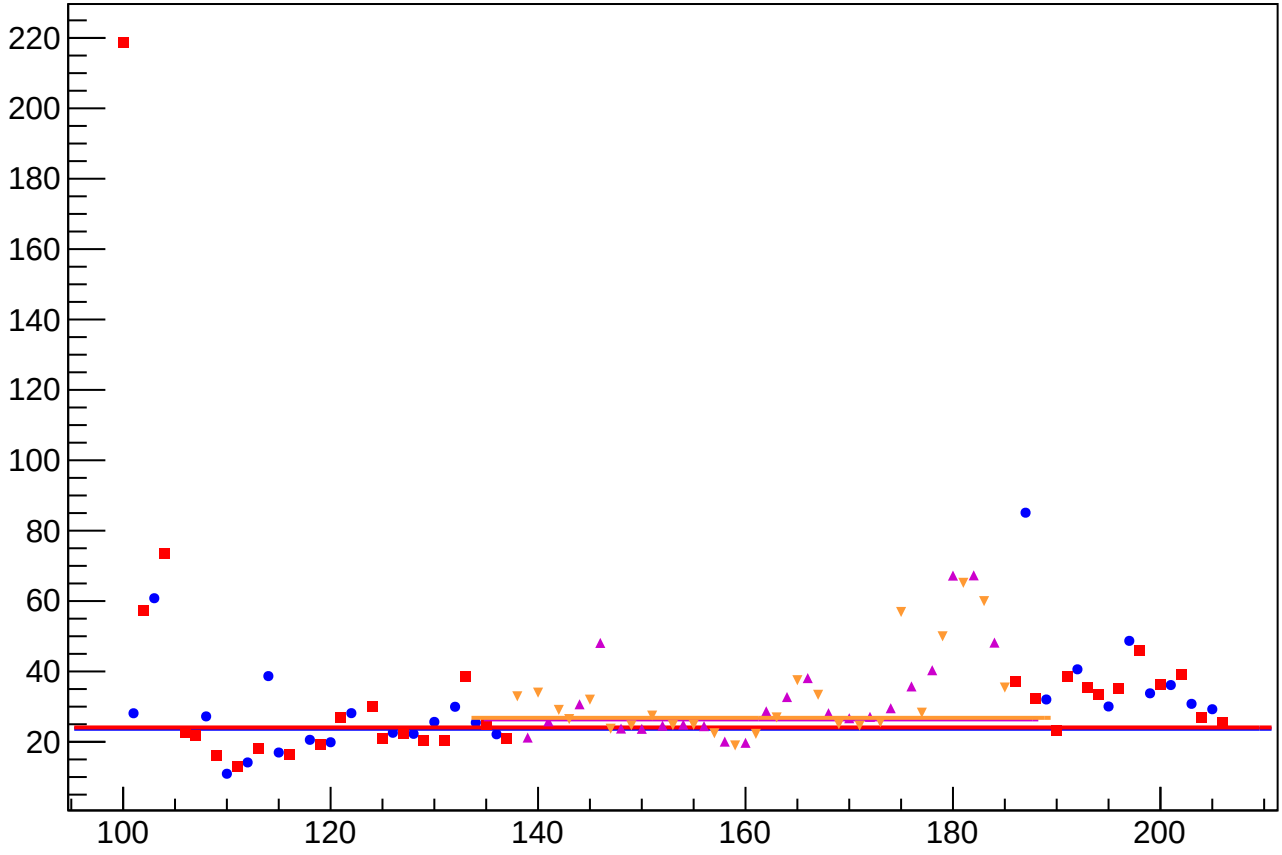
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 44.2/49

All: 0.002+/-0.003 χ^2/NDF: 114.5/103

- sign 0.000+/-0.005 χ^2/NDF: 70.2/53

asym_sam7_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 23.717+/-0.005 χ^2/NDF: 3605065.8/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

Right Out: 24.087+/-0.005 χ^2/NDF: 3777275.3/30

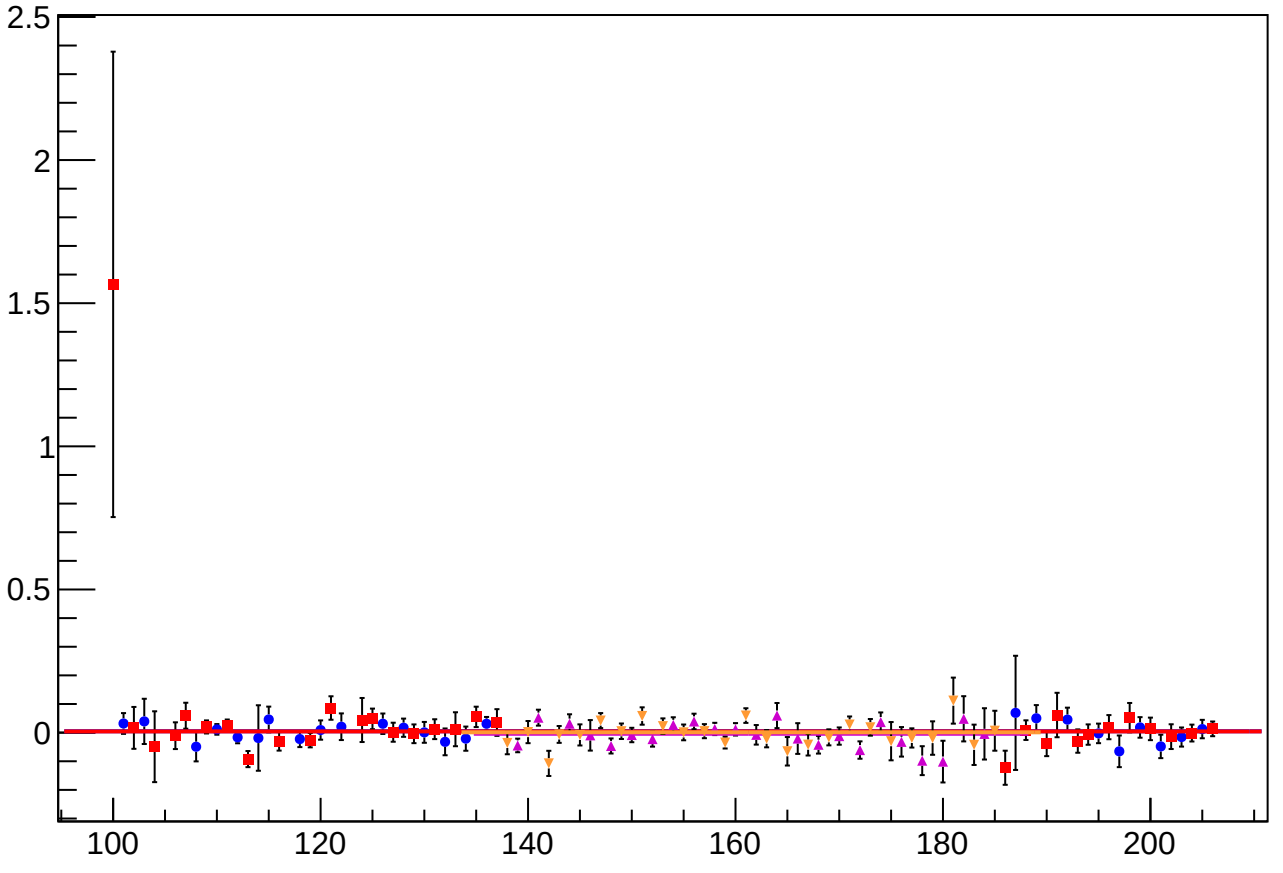
Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.382+/-0.003 χ^2/NDF: 6286606.0/49

All: 25.301+/-0.002 χ^2/NDF: 12752555.7/103

- sign 25.223+/-0.003 χ^2/NDF: 6464810.3/53

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.005+/-0.007 χ^2/NDF: 13.8/24

Left Out: 0.001+/-0.006 χ^2/NDF:30.3/24

Right Out: 0.004+/-0.007 χ^2/NDF: 38.2/30

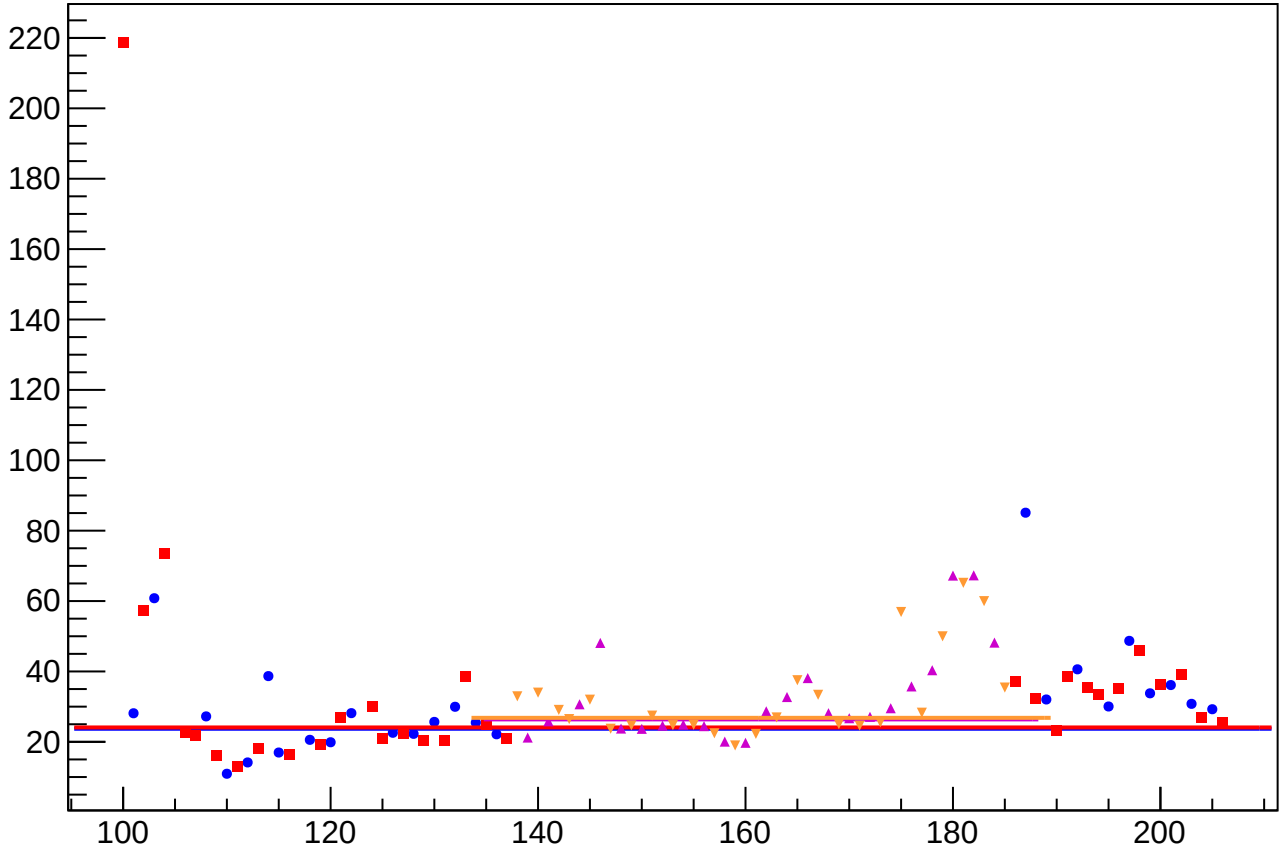
Left In: -0.004+/-0.007 χ^2/NDF:31.1/22

+ sign 0.003+/-0.005 χ^2/NDF: 44.2/49

All: 0.002+/-0.003 χ^2/NDF: 114.5/103

- sign 0.000+/-0.005 χ^2/NDF: 70.2/53

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 23.717+/-0.005 χ^2/NDF: 3605065.8/24

Left Out: 26.820+/-0.005 χ^2/NDF:2469855.0/24

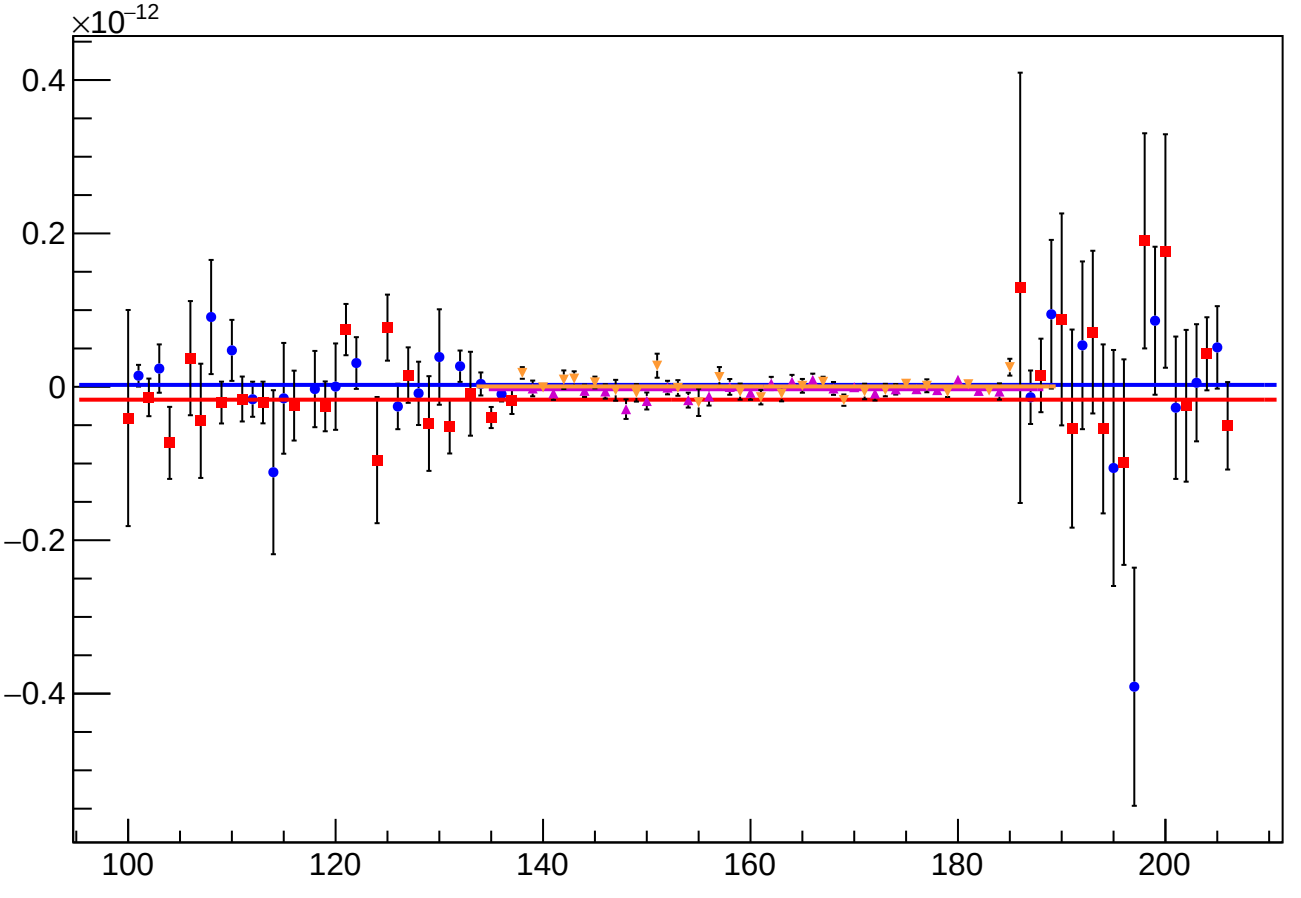
Right Out: 24.087+/-0.005 χ^2/NDF: 3777275.3/30

Left In: 26.376+/-0.005 χ^2/NDF:2566477.5/22

+ sign 25.382+/-0.003 χ^2/NDF: 6286606.0/49

All: 25.301+/-0.002 χ^2/NDF: 12752555.7/103

- sign 25.223+/-0.003 χ^2/NDF: 6464810.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.6/24

Right Out: -0.000+/-0.000 χ^2/NDF: 28.7/30

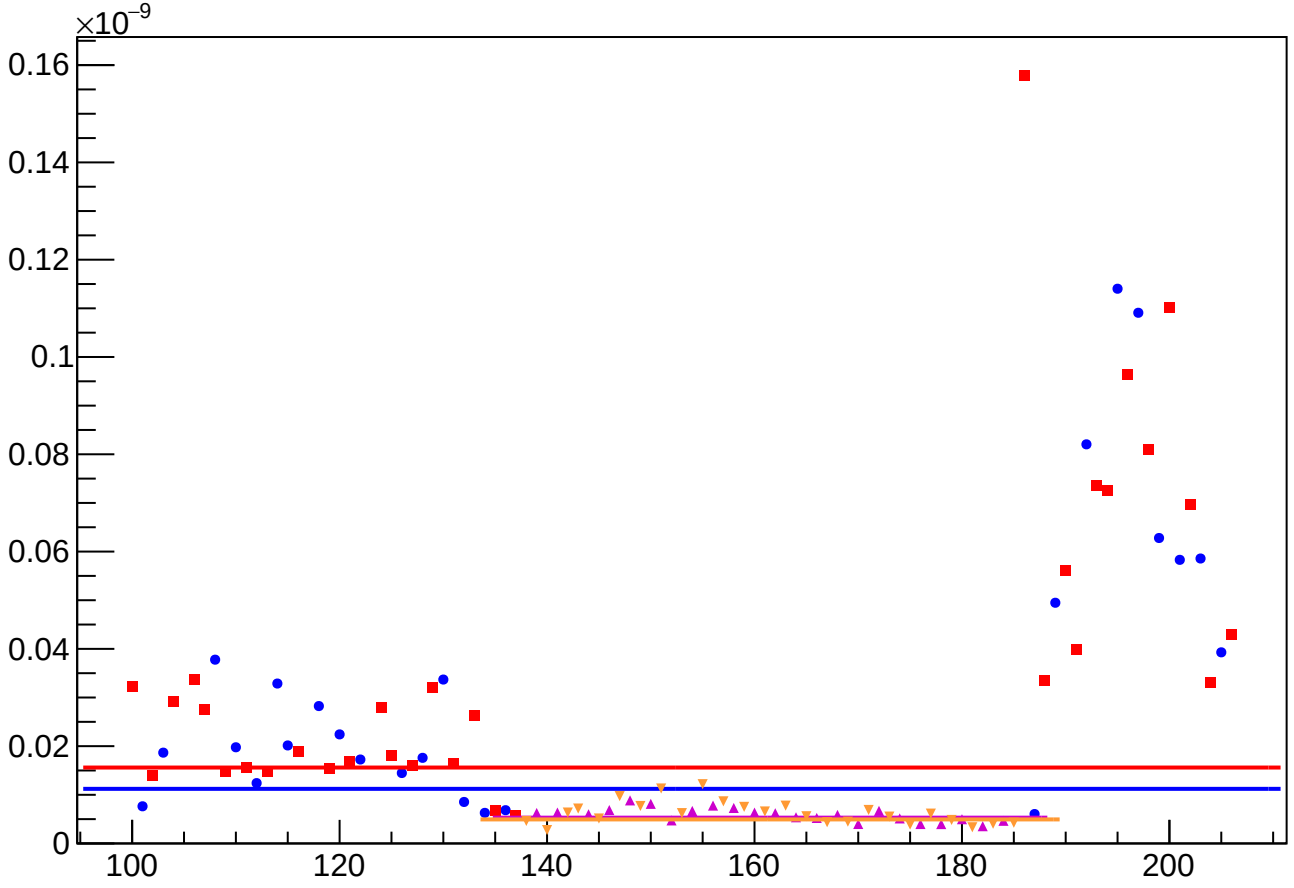
Left In: -0.000+/-0.000 χ^2/NDF:19.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 53.5/49

All: -0.000+/-0.000 χ^2/NDF: 109.3/103

- sign -0.000+/-0.000 χ^2/NDF: 51.6/53

asym_sam7_eigen_cor_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 7379678.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2747591.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7549274.7/30

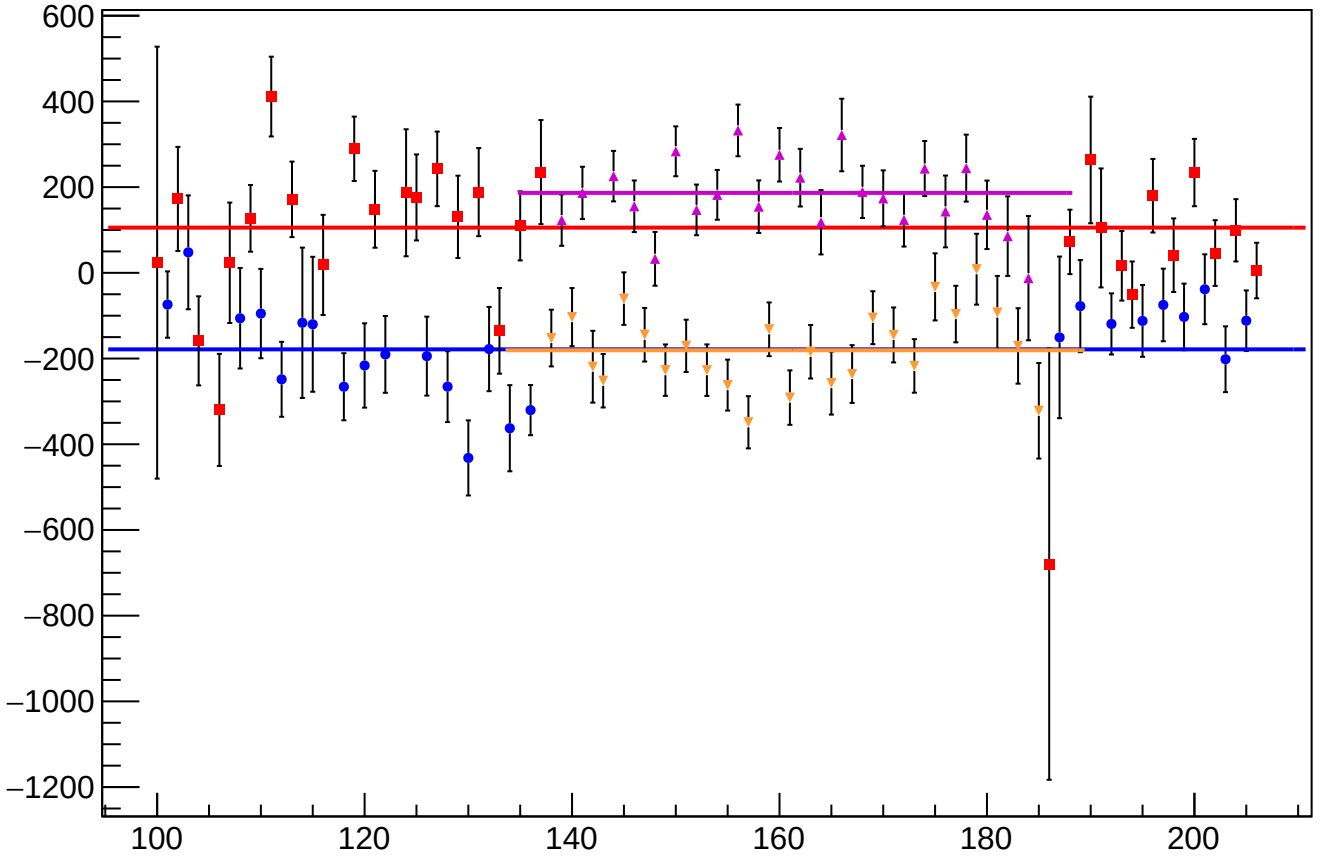
Left In: 0.000+/-0.000 χ^2/NDF:1247237.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 12502794.1/49

All: 0.000+/-0.000 χ^2/NDF: 25761110.8/103

- sign 0.000+/-0.000 χ^2/NDF: 13161201.8/53

reg_asym_sam8_mean vs Slug



Right In: -178.578+/-17.819 χ^2/NDF: 35.4/24

Left Out: -180.685+/-13.419 χ^2/NDF:38.6/24

Right Out: 105.511+/-16.933 χ^2/NDF: 62.9/30

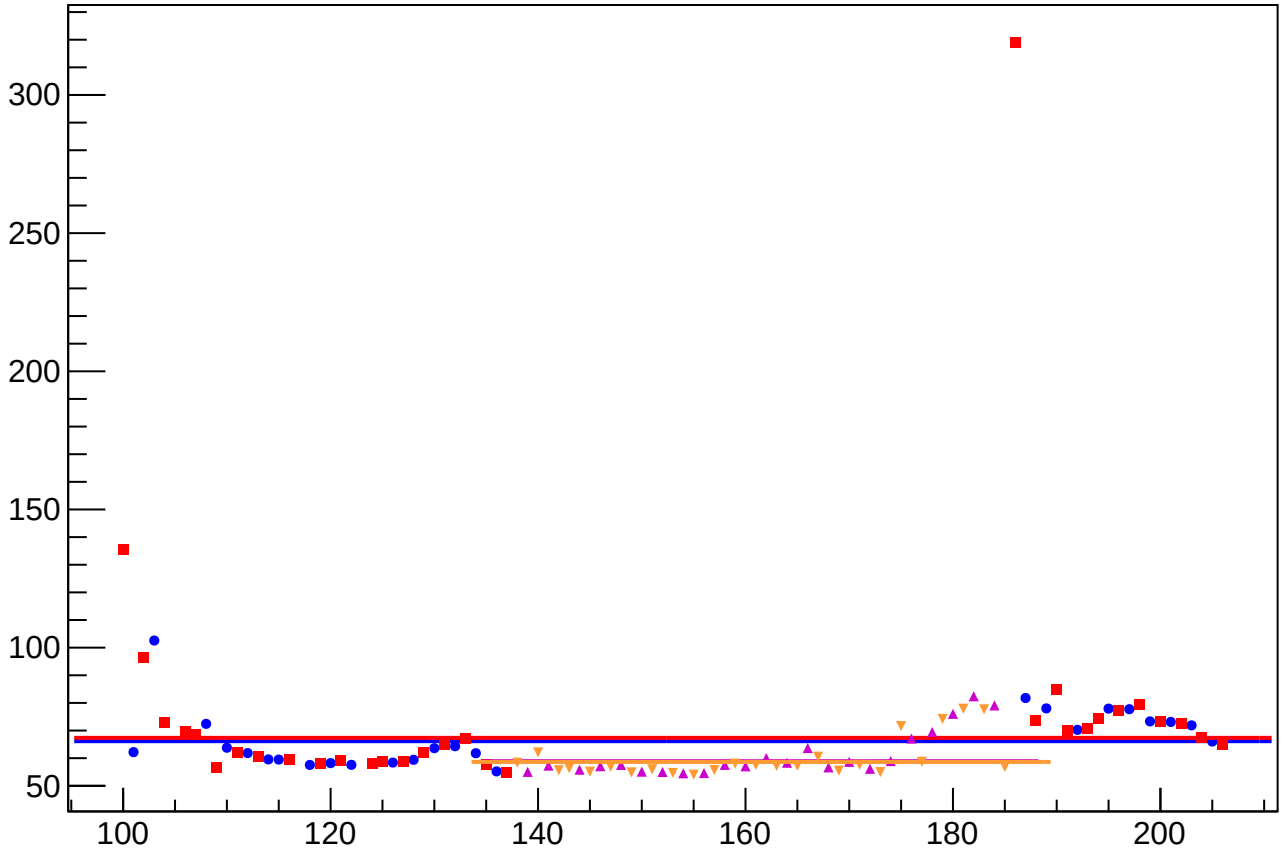
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -179.923+/-10.719 χ^2/NDF: 74.0/49

All: -13.032+/-7.582 χ^2/NDF: 664.7/103

- sign 154.049+/-10.725 χ^2/NDF: 105.6/53

reg_asym_sam8_rms vs Slug



Right In: 66.154+/-0.013 χ^2/NDF: 496353.4/24

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.351+/-0.012 χ^2/NDF: 1020995.5/30

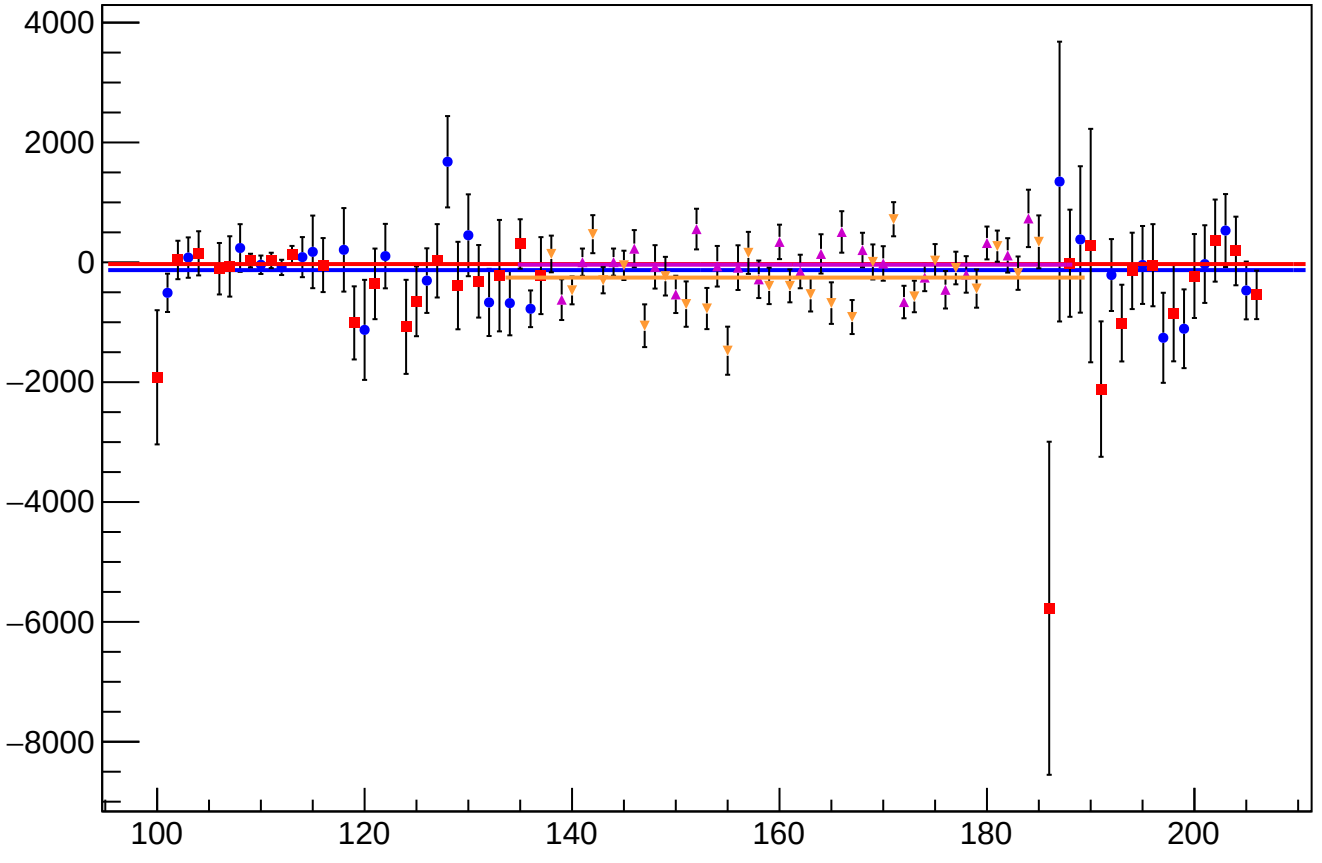
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.362+/-0.008 χ^2/NDF: 1116968.7/49

All: 61.828+/-0.005 χ^2/NDF: 2830205.4/103

- sign 62.294+/-0.008 χ^2/NDF: 1705678.0/53

asym_sam8_reg_correction_mean vs Slug



Right In: -130.010+/-72.238 χ^2/NDF: 25.3/24

Left Out: -254.628+/-58.877 χ^2/NDF:57.6/24

Right Out: -29.118+/-60.972 χ^2/NDF: 25.2/30

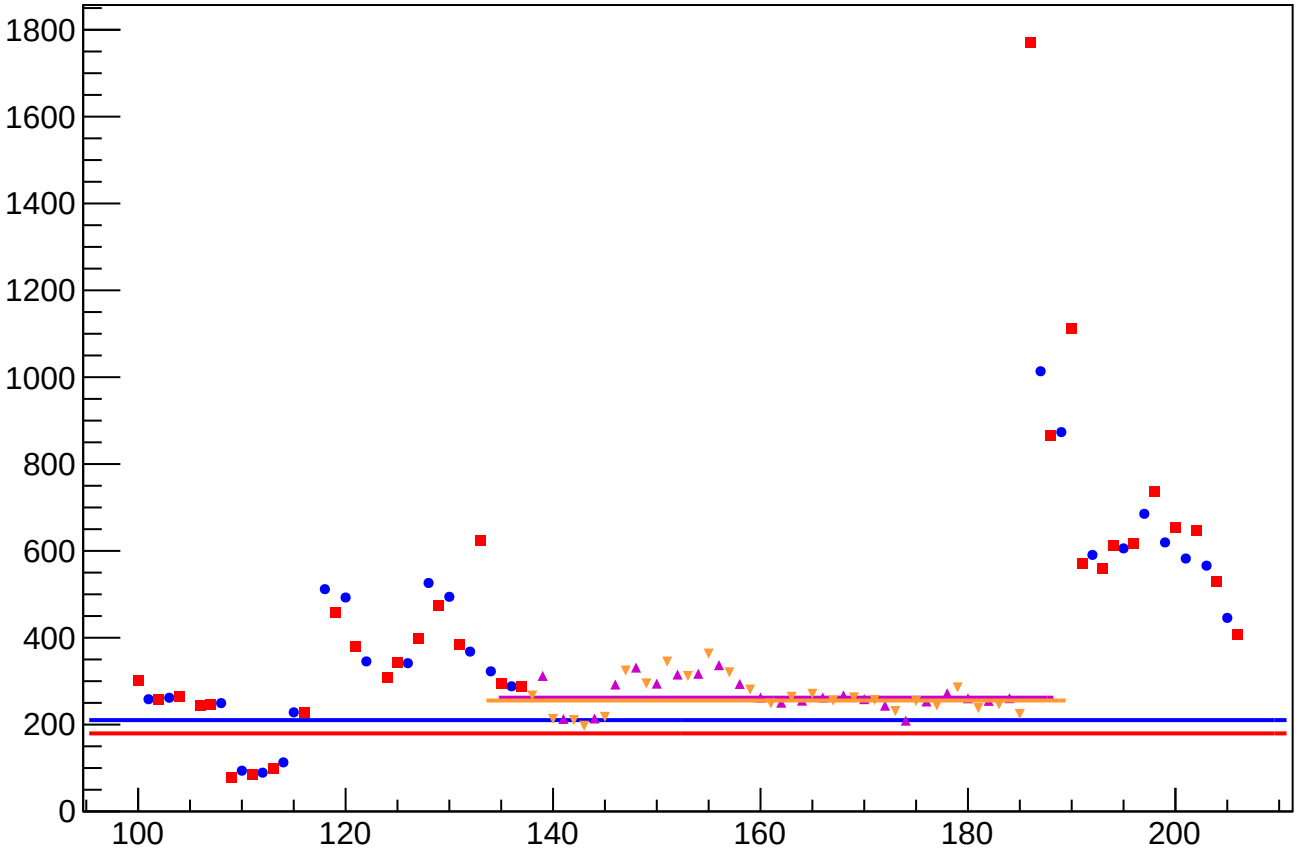
Left In: -39.147+/-61.883 χ^2/NDF:28.3/22

+ sign -204.888+/-45.638 χ^2/NDF: 84.7/49

All: -115.244+/-31.462 χ^2/NDF: 145.7/103

- sign -34.058+/-43.432 χ^2/NDF: 53.6/53

asym_sam8_reg_correction_rms vs Slug



Right In: 210.332+/-0.051 χ^2/NDF: 10915297.1/24

Left Out: 255.469+/-0.042 χ^2/NDF:863866.8/24

Right Out: 179.732+/-0.043 χ^2/NDF: 15102730.5/30

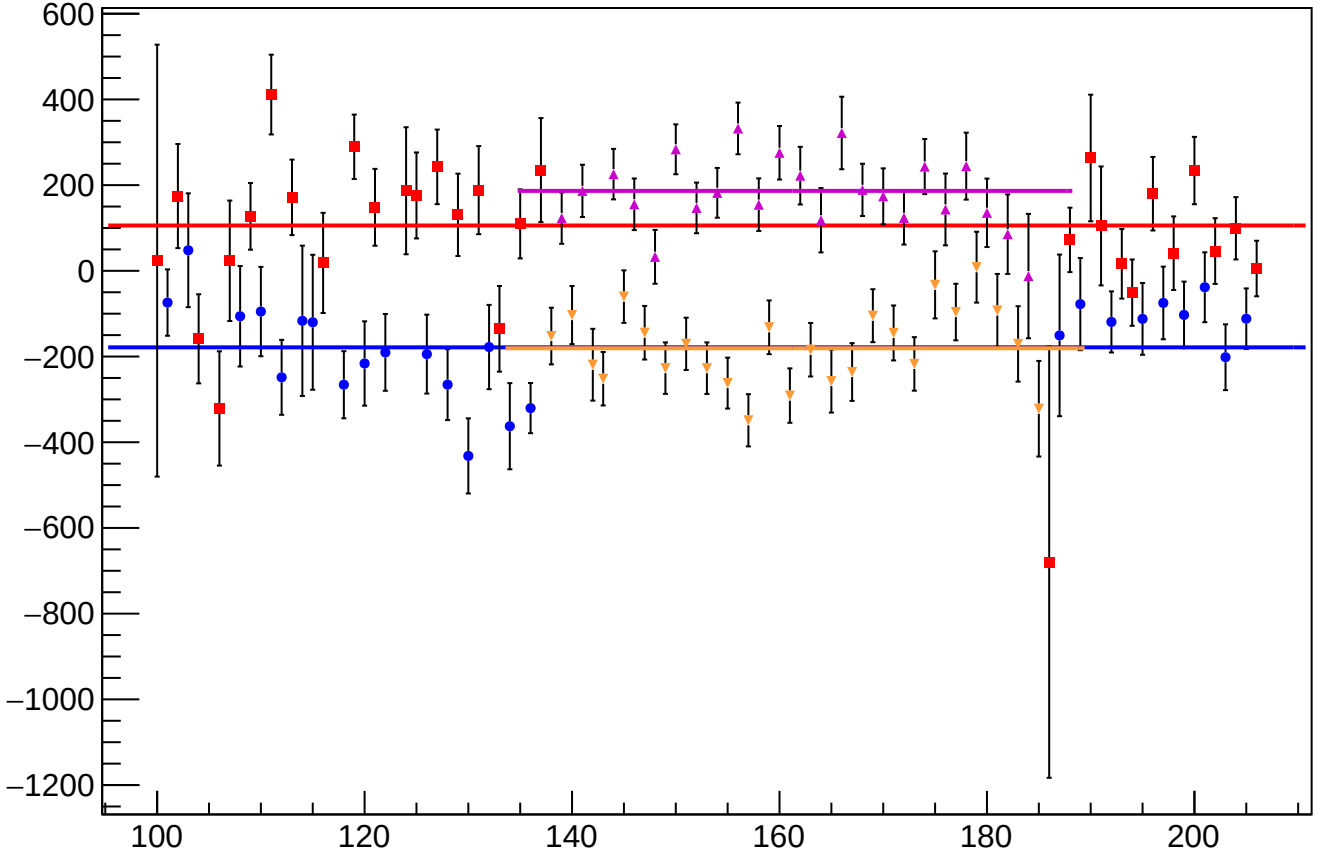
Left In: 262.007+/-0.044 χ^2/NDF:670576.2/22

+ sign 237.453+/-0.032 χ^2/NDF: 12248357.0/49

All: 228.430+/-0.022 χ^2/NDF: 29964516.8/10

- sign 220.259+/-0.031 χ^2/NDF: 17567195.8/53

cor_asym_sam8_mean vs Slug



Right In: -178.577+/-17.819 χ^2/NDF: 35.4/24

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 105.786+/-16.938 χ^2/NDF: 62.6/30

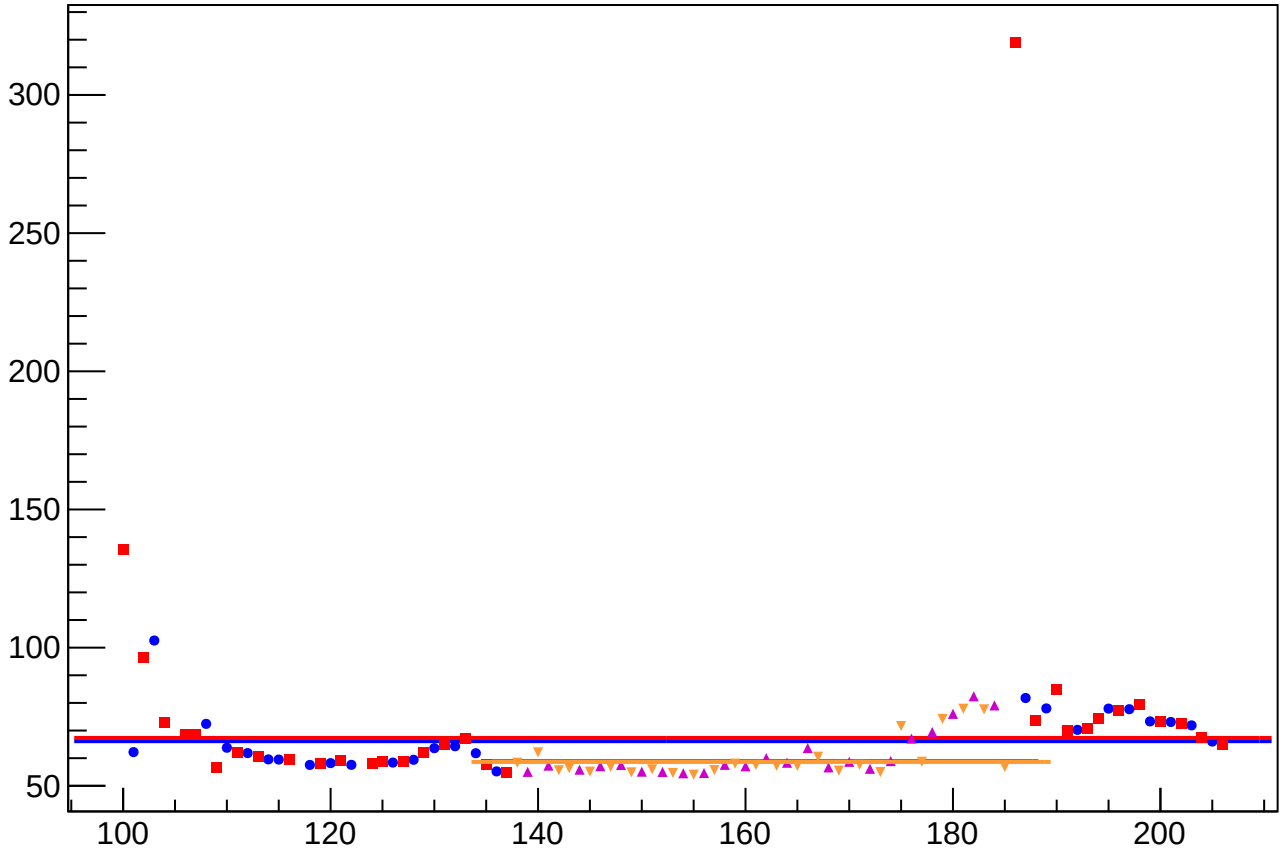
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -179.919+/-10.719 χ^2/NDF: 74.0/49

All: -12.989+/-7.582 χ^2/NDF: 664.6/103

- sign 154.172+/-10.727 χ^2/NDF: 105.2/53

cor_asym_sam8_rms vs Slug



Right In: 66.154+/-0.013 χ^2/NDF: 496355.8/24

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.331+/-0.012 χ^2/NDF: 1020717.8/30

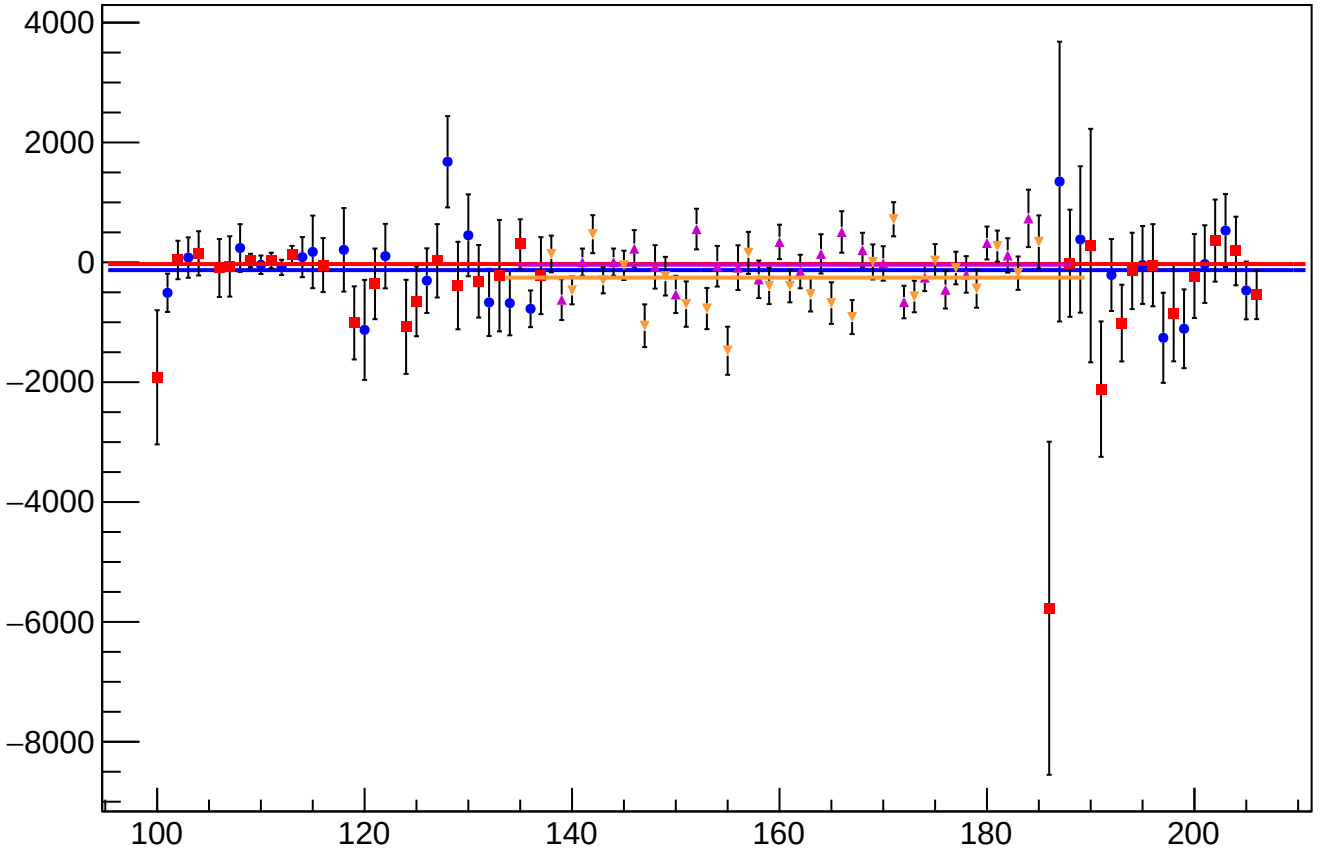
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.362+/-0.008 χ^2/NDF: 1116971.3/49

All: 61.823+/-0.005 χ^2/NDF: 2828265.3/103

- sign 62.285+/-0.008 χ^2/NDF: 1703885.6/53

asym_sam8_cor_correction_mean vs Slug



Right In: -129.993+/-72.238 χ^2/NDF: 25.3/24

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -28.609+/-61.104 χ^2/NDF: 25.2/30

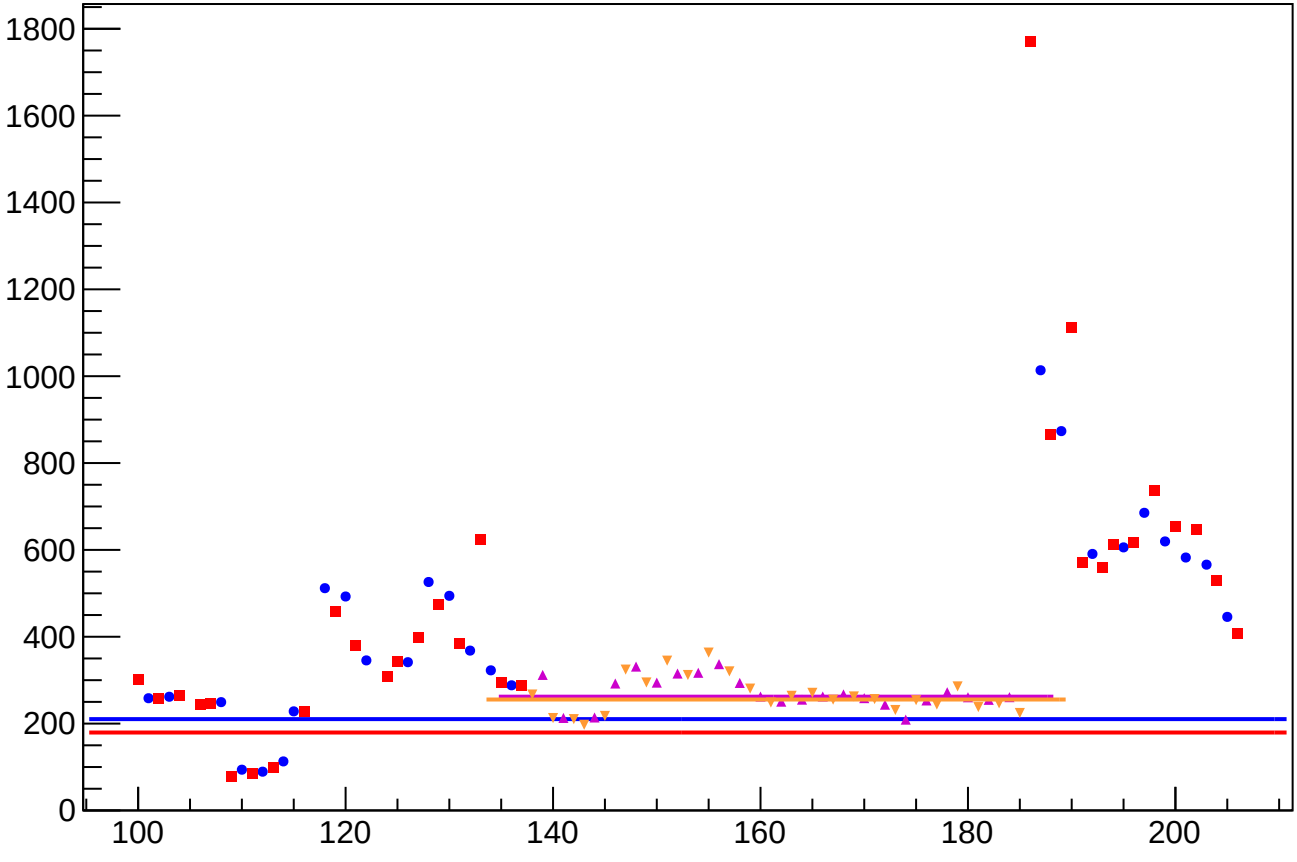
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -204.880+/-45.638 χ^2/NDF: 84.7/49

All: -115.203+/-31.480 χ^2/NDF: 145.7/103

- sign -33.810+/-43.480 χ^2/NDF: 53.6/53

asym_sam8_cor_correction_rms vs Slug



Right In: 210.332+/-0.051 χ^2/NDF: 10915337.1/24

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

Right Out: 179.461+/-0.043 χ^2/NDF: 15094037.1/30

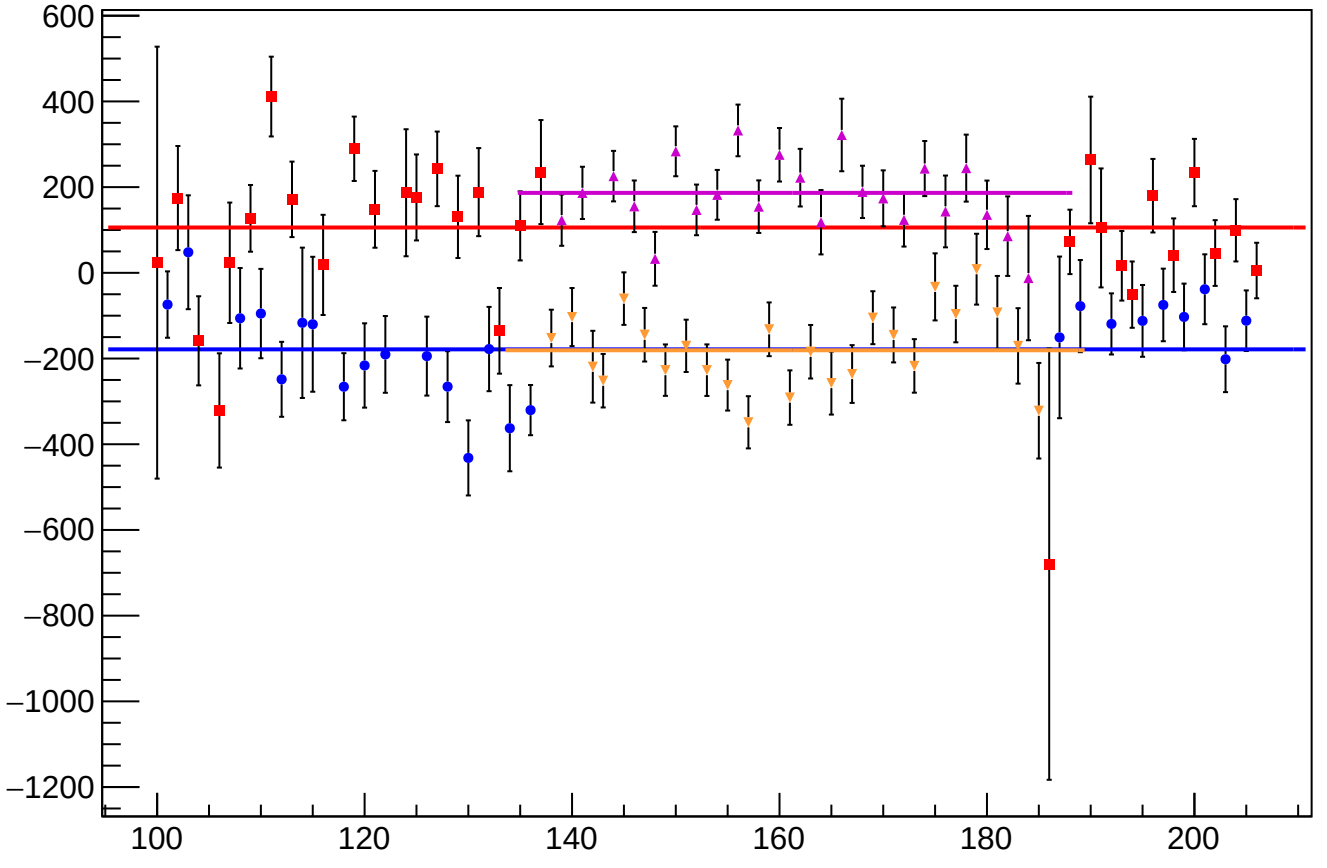
Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 237.453+/-0.032 χ^2/NDF: 12248378.5/49

All: 228.415+/-0.022 χ^2/NDF: 29964494.6/10

- sign 220.211+/-0.031 χ^2/NDF: 17566470.0/53

eigen_cor_asym_sam8_mean vs Slug



Right In: -178.577+/-17.819 χ^2/NDF: 35.4/24

Left Out: -180.680+/-13.419 χ^2/NDF:38.6/24

Right Out: 105.786+/-16.938 χ^2/NDF: 62.6/30

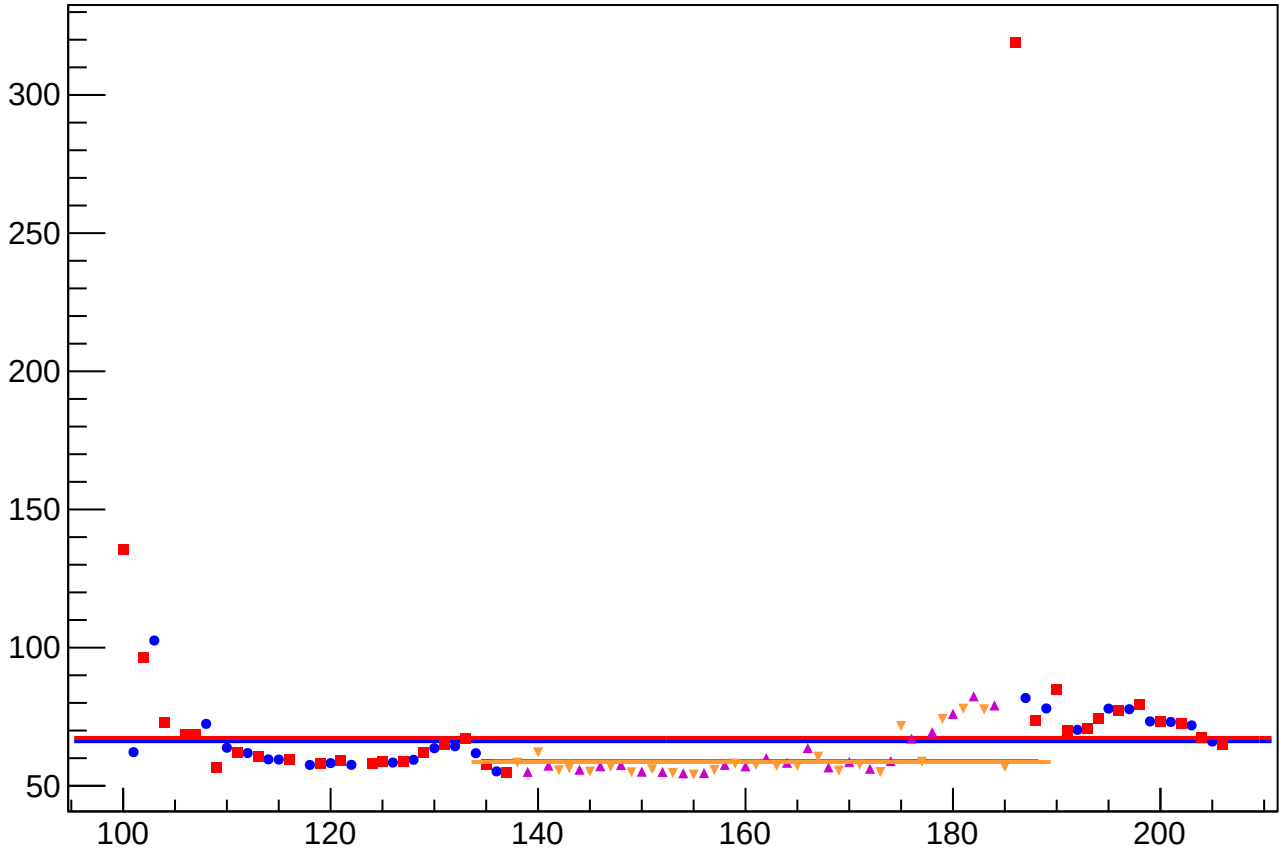
Left In: 186.567+/-13.860 χ^2/NDF:29.0/22

+ sign -179.919+/-10.719 χ^2/NDF: 74.0/49

All: -12.989+/-7.582 χ^2/NDF: 664.6/103

- sign 154.172+/-10.727 χ^2/NDF: 105.2/53

eigen_cor_asym_sam8_rms vs Slug



Right In: 66.154+/-0.013 χ^2/NDF: 496355.8/24

Left Out: 58.644+/-0.009 χ^2/NDF:393880.8/24

Right Out: 67.331+/-0.012 χ^2/NDF: 1020717.8/30

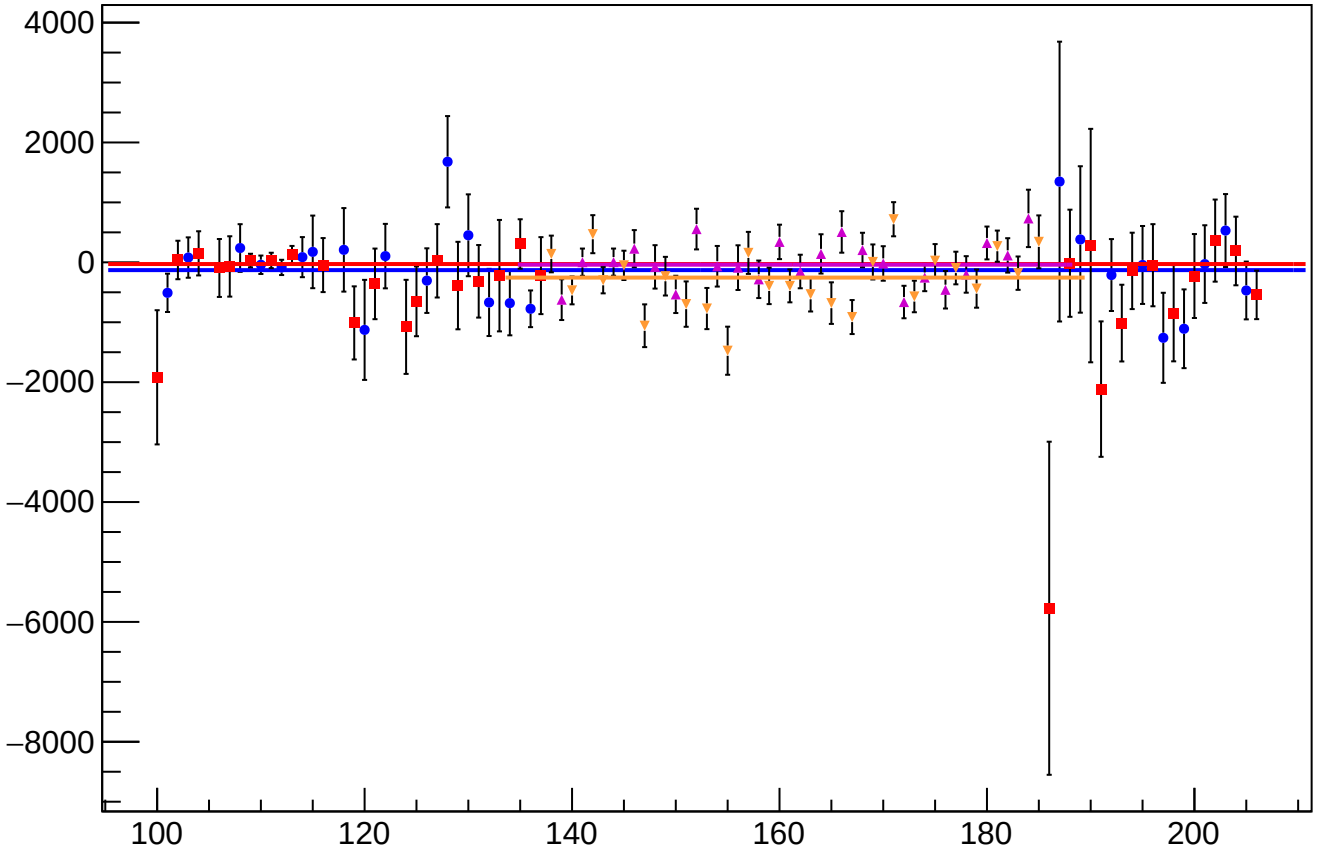
Left In: 58.906+/-0.010 χ^2/NDF:386820.4/22

+ sign 61.362+/-0.008 χ^2/NDF: 1116971.3/49

All: 61.823+/-0.005 χ^2/NDF: 2828265.3/103

- sign 62.285+/-0.008 χ^2/NDF: 1703885.6/53

asym_sam8_eigen_cor_correction_mean vs Slug



Right In: -129.993+/-72.238 χ^2/NDF: 25.3/24

Left Out: -254.625+/-58.877 χ^2/NDF:57.6/24

Right Out: -28.609+/-61.104 χ^2/NDF: 25.2/30

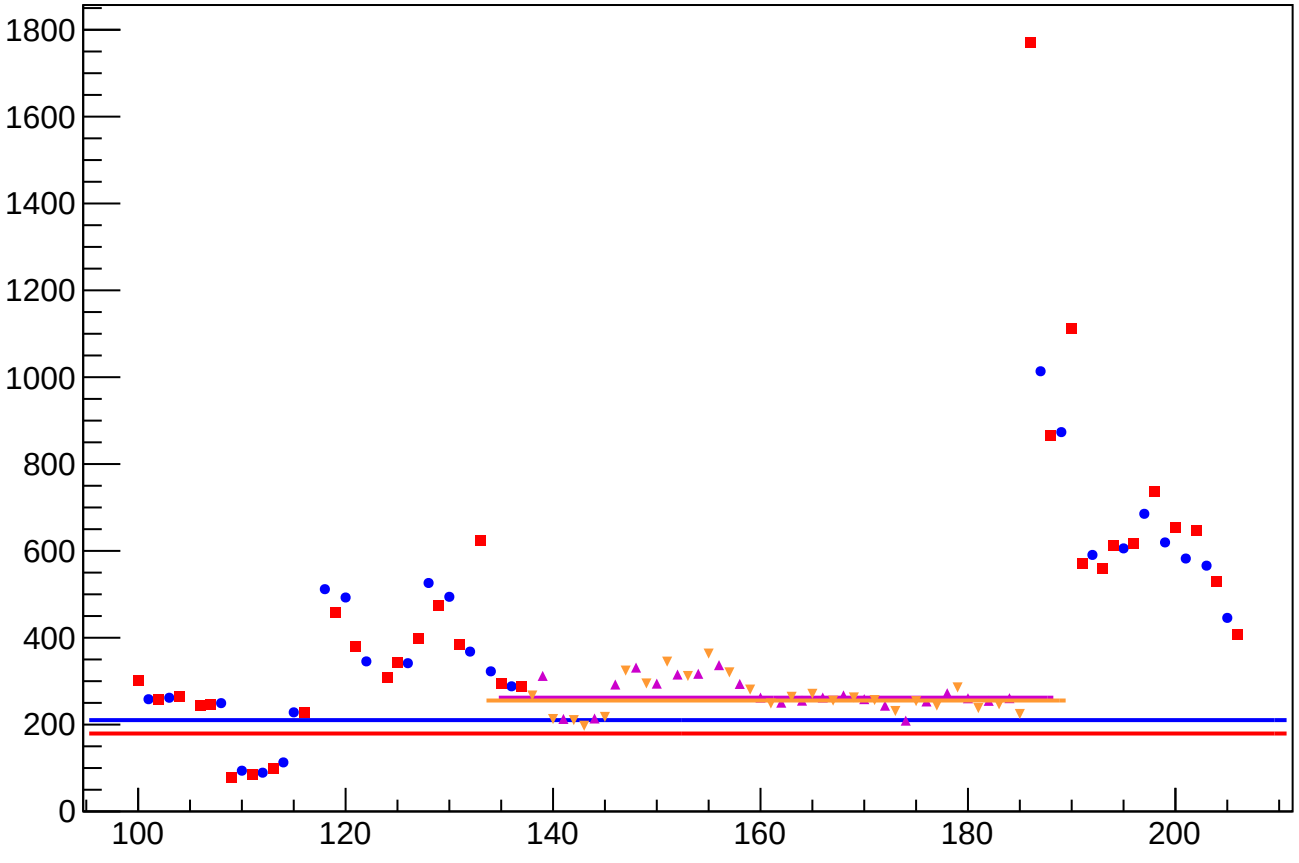
Left In: -39.144+/-61.883 χ^2/NDF:28.3/22

+ sign -204.880+/-45.638 χ^2/NDF: 84.7/49

All: -115.203+/-31.480 χ^2/NDF: 145.7/103

- sign -33.810+/-43.480 χ^2/NDF: 53.6/53

asym_sam8_eigen_cor_correction_rms vs Slug



Right In: 210.332+/-0.051 χ^2/NDF: 10915337.1/24

Left Out: 255.469+/-0.042 χ^2/NDF:863867.3/24

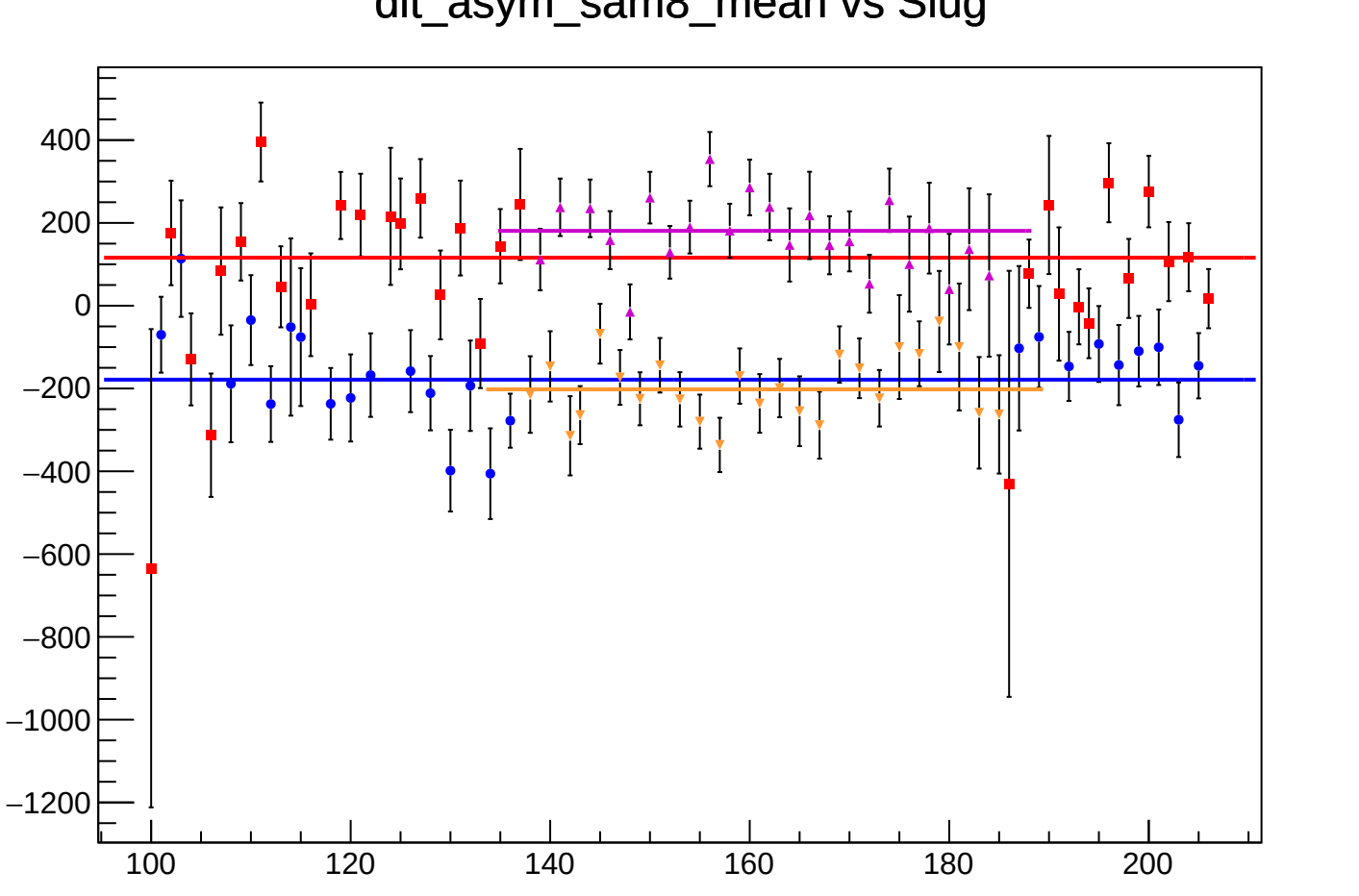
Right Out: 179.461+/-0.043 χ^2/NDF: 15094037.1/30

Left In: 262.007+/-0.044 χ^2/NDF:670574.8/22

+ sign 237.453+/-0.032 χ^2/NDF: 12248378.5/49

All: 228.415+/-0.022 χ^2/NDF: 29964494.6/10

- sign 220.211+/-0.031 χ^2/NDF: 17566470.0/53



Right In: -178.671+/-19.851 χ^2/NDF: 25.8/24

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 115.982+/-18.784 χ^2/NDF: 54.4/30

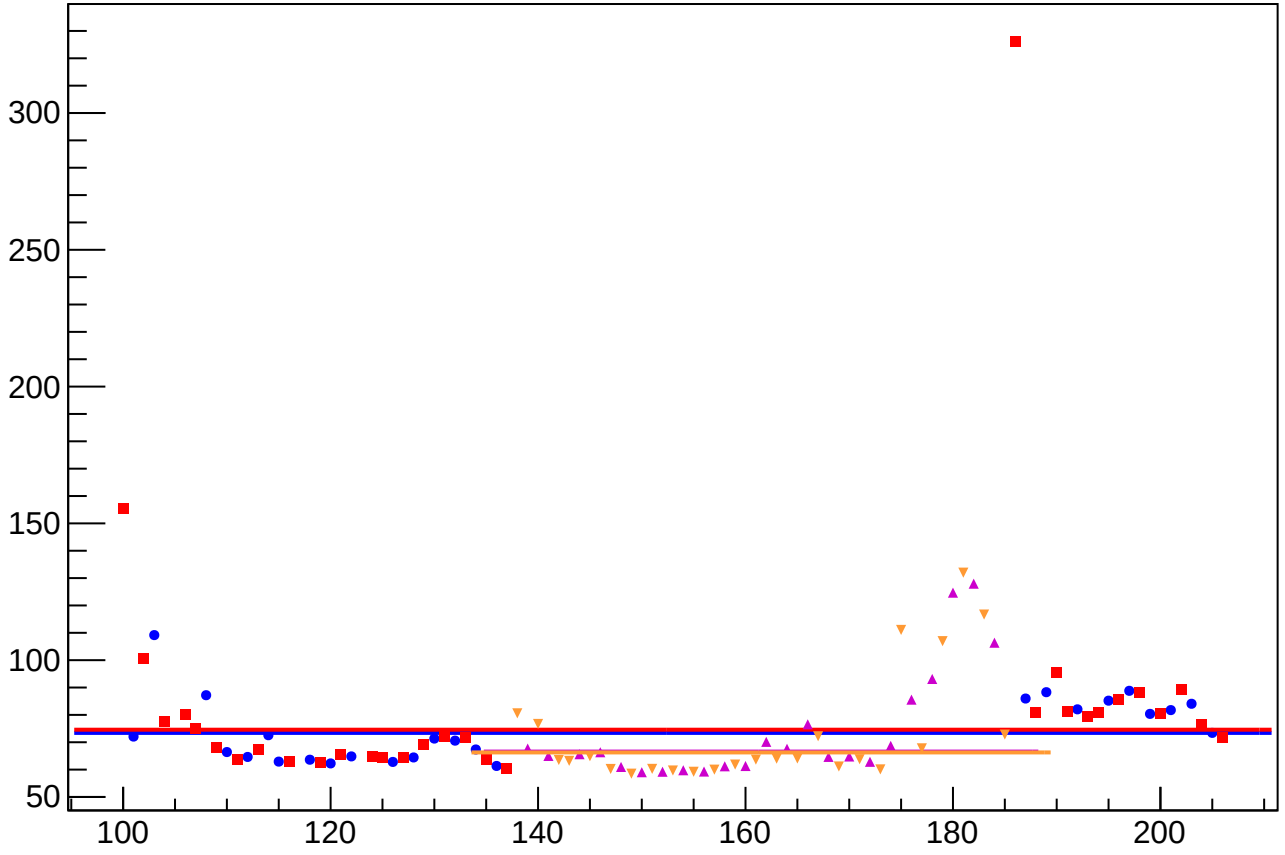
Left In: 180.784+/-16.019 χ^2/NDF:30.1/22

+ sign -193.193+/-12.236 χ^2/NDF: 48.1/49

All: -19.182+/-8.635 χ^2/NDF: 542.6/103

- sign 153.499+/-12.189 χ^2/NDF: 91.5/53

dit_asym_sam8_rms vs Slug



Right In: 73.416+/-0.014 χ^2/NDF: 565884.3/24

Left Out: 66.279+/-0.011 χ^2/NDF:1393879.2/24

Right Out: 74.584+/-0.013 χ^2/NDF: 1028014.9/30

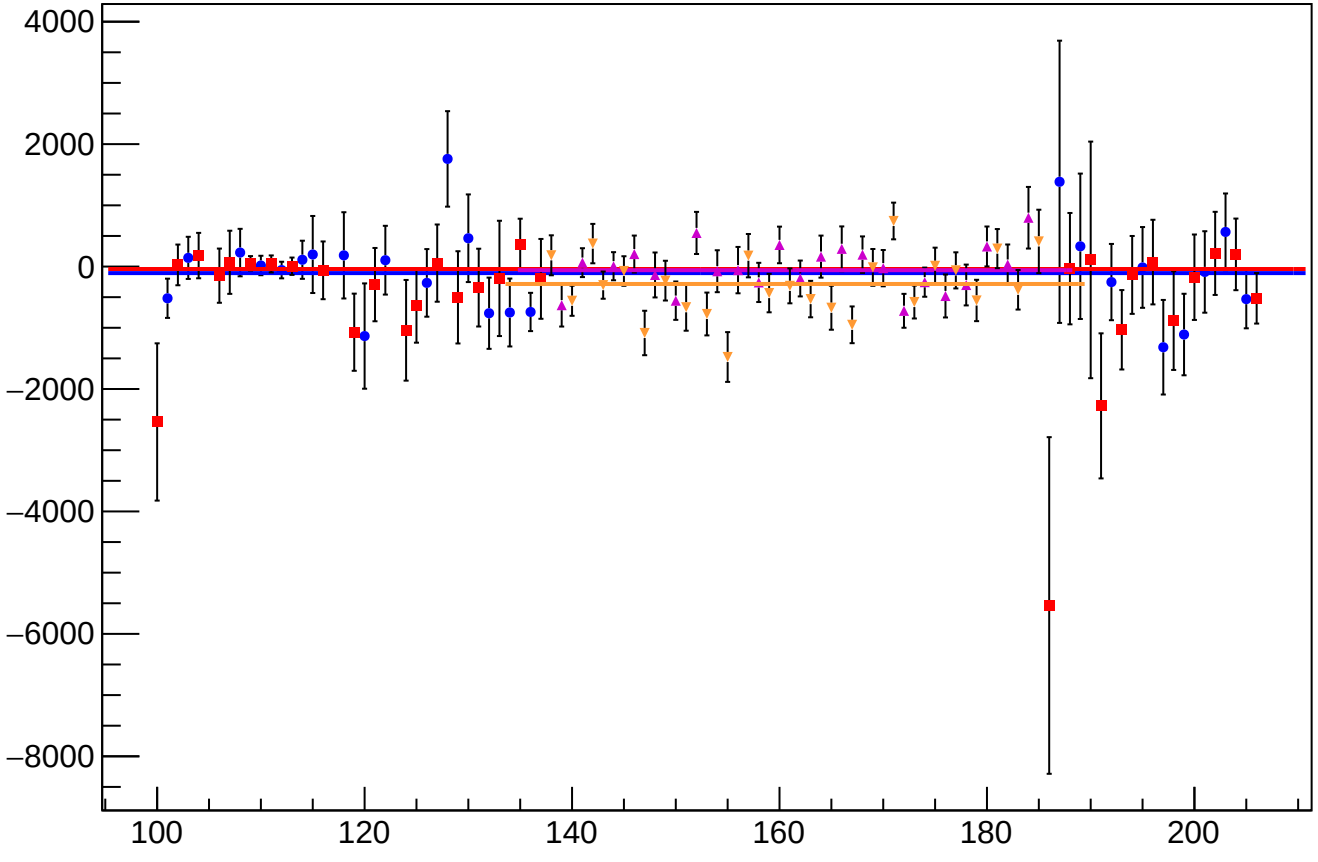
Left In: 66.585+/-0.011 χ^2/NDF:1158238.0/22

+ sign 68.990+/-0.009 χ^2/NDF: 2120056.0/49

All: 69.473+/-0.006 χ^2/NDF: 4522466.8/103

- sign 69.953+/-0.009 χ^2/NDF: 2396195.0/53

asym_sam8_dit_correction_mean vs Slug



Right In: -106.905+/-74.444 χ^2/NDF: 26.6/24

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -39.813+/-62.744 χ^2/NDF: 25.0/30

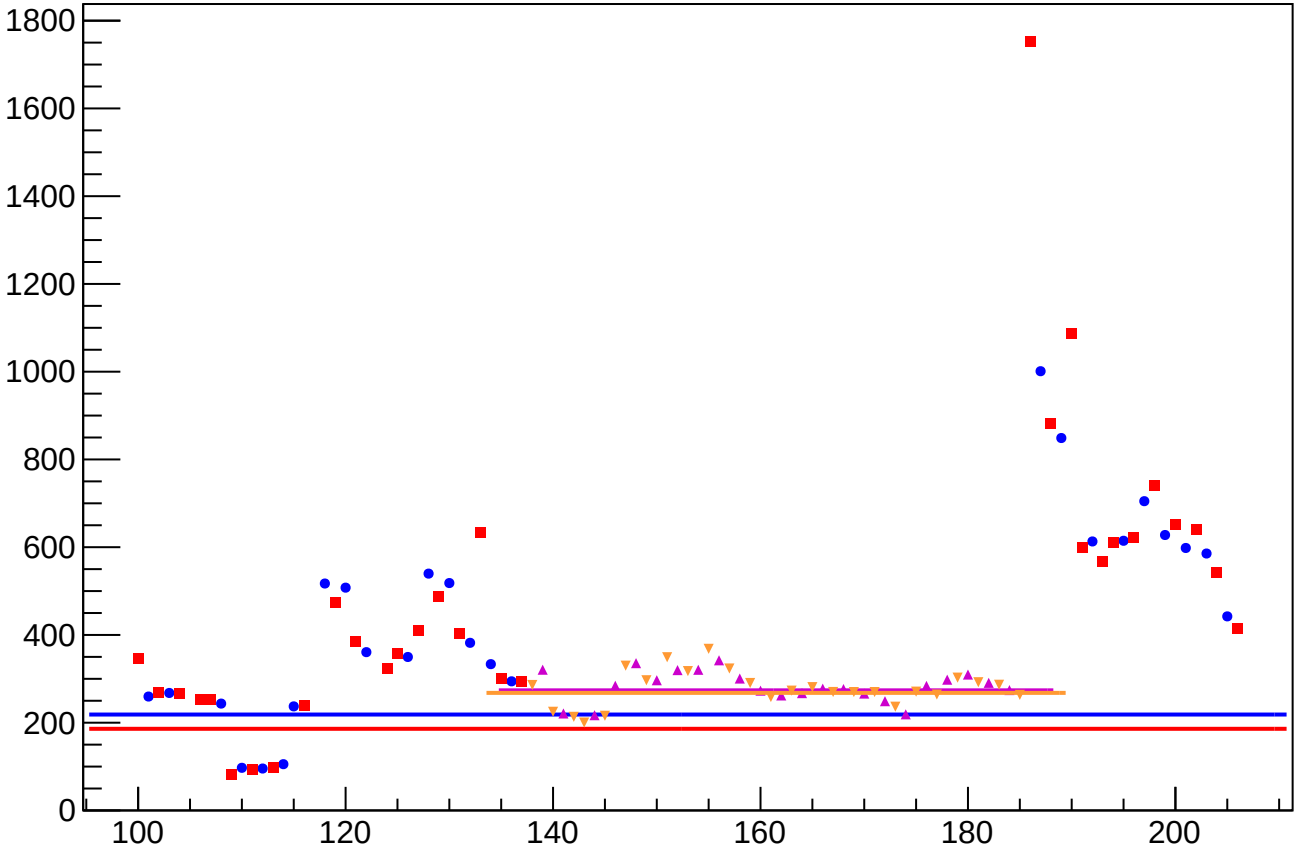
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -212.115+/-47.517 χ^2/NDF: 84.6/49

All: -126.265+/-32.681 χ^2/NDF: 142.7/103

- sign -49.199+/-45.021 χ^2/NDF: 51.9/53

asym_sam8_dit_correction_rms vs Slug



Right In: 218.604+/-0.053 χ^2/NDF: 10678017.0/24

Left Out: 267.985+/-0.044 χ^2/NDF:862786.9/24

Right Out: 186.085+/-0.044 χ^2/NDF: 14893647.5/30

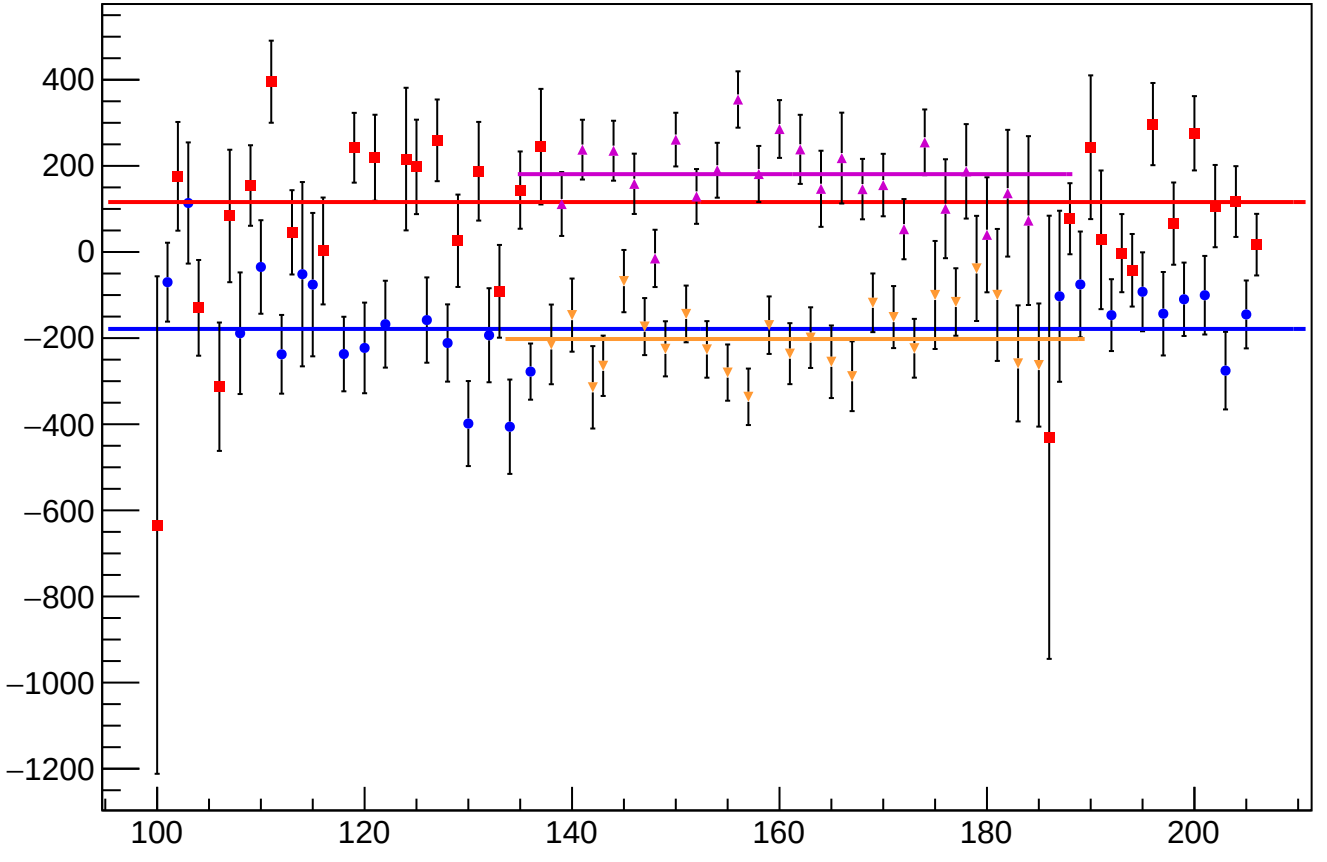
Left In: 273.751+/-0.046 χ^2/NDF:650295.5/22

+ sign 247.867+/-0.034 χ^2/NDF: 12062284.1/49

All: 237.722+/-0.023 χ^2/NDF: 29673394.8/10

- sign 228.616+/-0.032 χ^2/NDF: 17438124.1/53

eigen_dit_asym_sam8_mean vs Slug



Right In: -178.671+/-19.851 χ^2/NDF: 25.8/24

Left Out: -202.090+/-15.538 χ^2/NDF:21.5/24

Right Out: 115.982+/-18.784 χ^2/NDF: 54.4/30

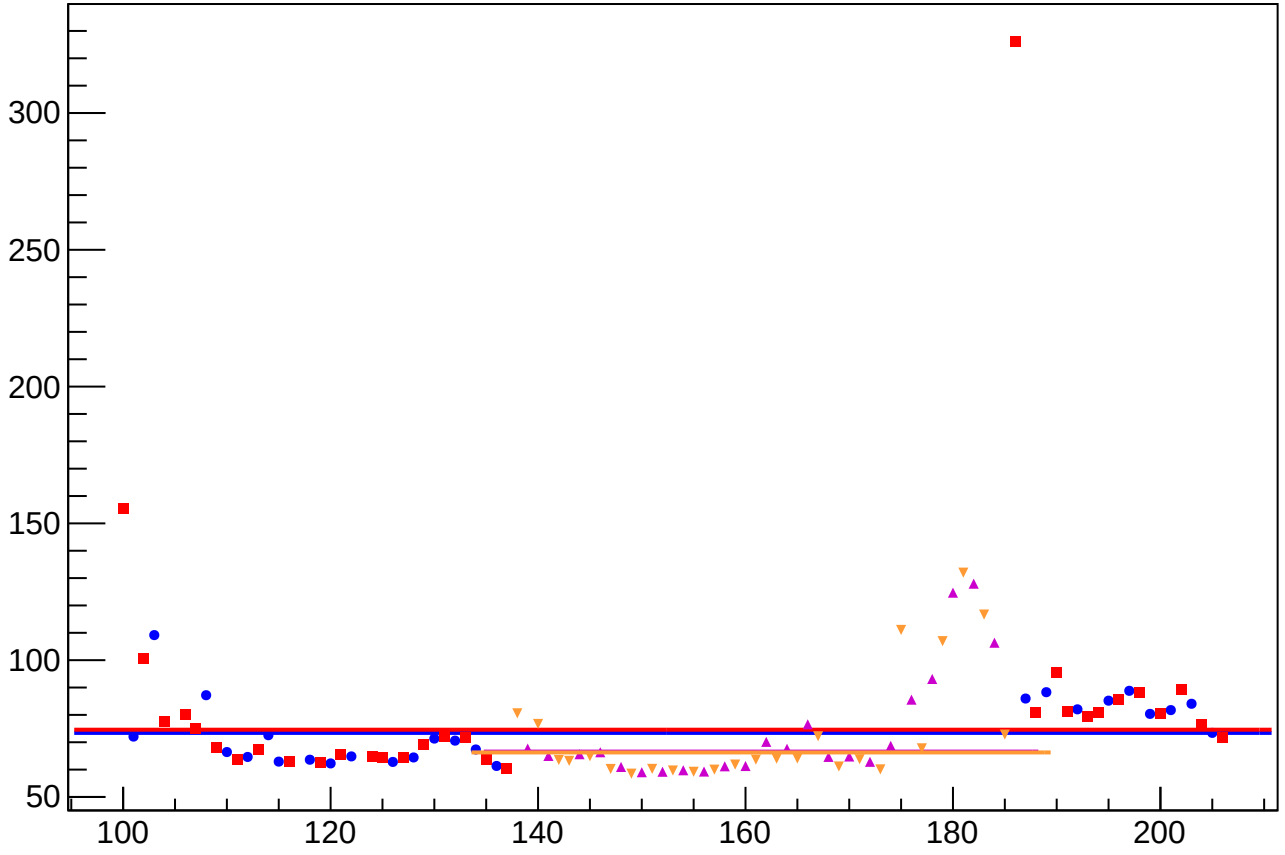
Left In: 180.785+/-16.019 χ^2/NDF:30.1/22

+ sign -193.193+/-12.236 χ^2/NDF: 48.1/49

All: -19.182+/-8.635 χ^2/NDF: 542.6/103

- sign 153.500+/-12.189 χ^2/NDF: 91.5/53

eigen_dit_asym_sam8_rms vs Slug



Right In: 73.415+/-0.014 χ^2/NDF: 565888.6/24

Left Out: 66.279+/-0.011 χ^2/NDF:1393881.3/24

Right Out: 74.584+/-0.013 χ^2/NDF: 1028020.0/30

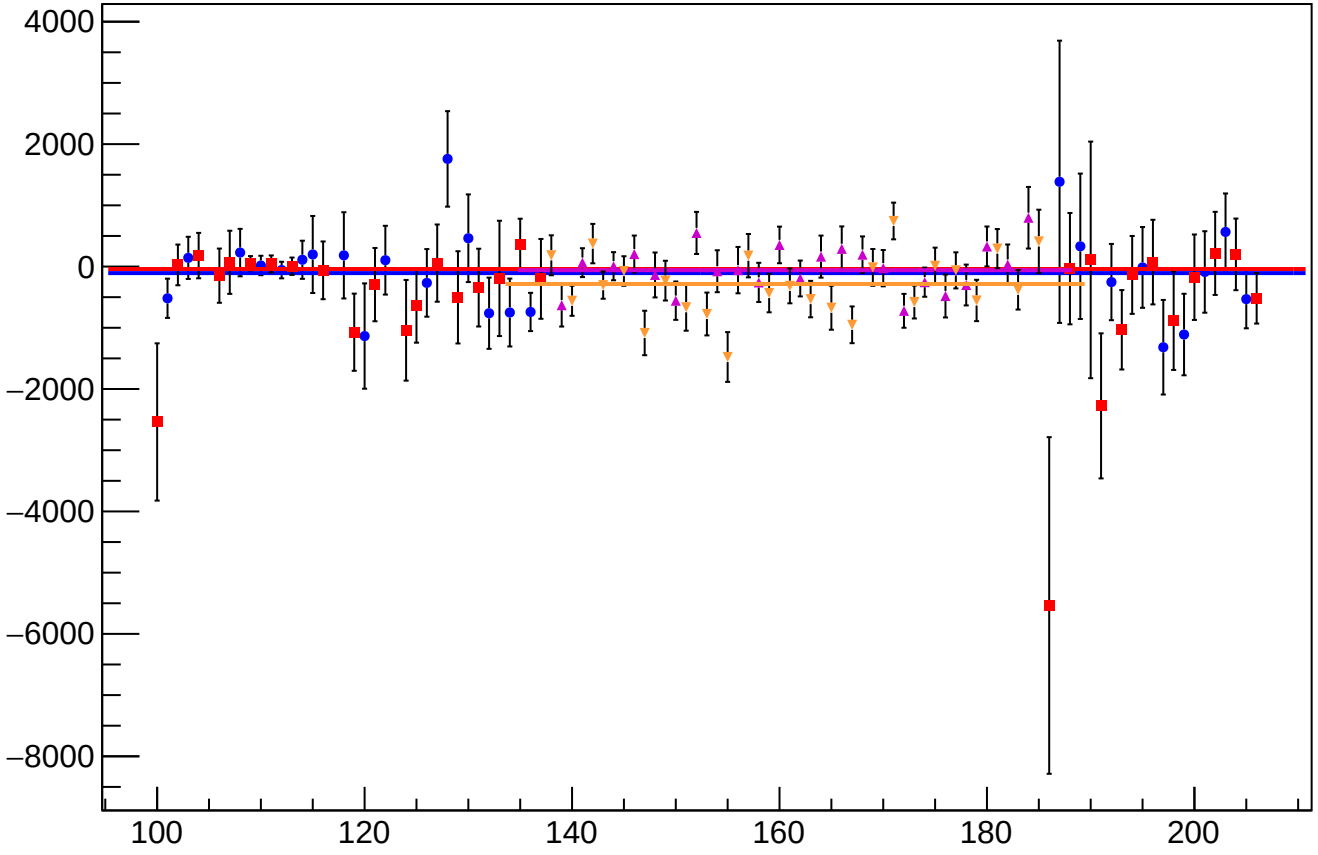
Left In: 66.585+/-0.011 χ^2/NDF:1158231.7/22

+ sign 68.990+/-0.009 χ^2/NDF: 2120055.4/49

All: 69.473+/-0.006 χ^2/NDF: 4522454.4/103

- sign 69.953+/-0.009 χ^2/NDF: 2396183.3/53

asym_sam8_eigen_dit_correction_mean vs Slug



Right In: -106.903+/-74.444 χ^2/NDF: 26.6/24

Left Out: -284.450+/-61.727 χ^2/NDF:54.6/24

Right Out: -39.811+/-62.743 χ^2/NDF: 25.0/30

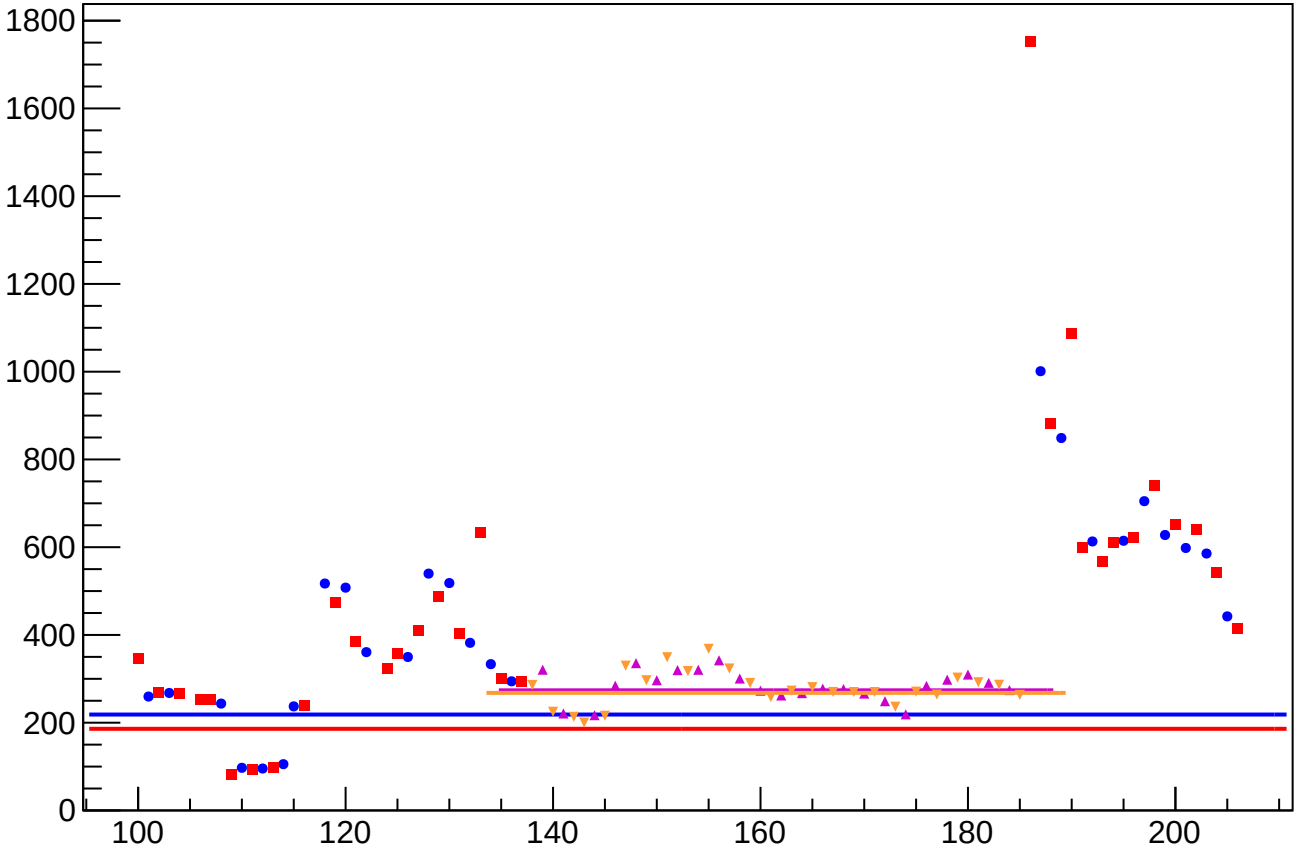
Left In: -59.160+/-64.636 χ^2/NDF:26.8/22

+ sign -212.114+/-47.517 χ^2/NDF: 84.6/49

All: -126.264+/-32.681 χ^2/NDF: 142.7/103

- sign -49.198+/-45.021 χ^2/NDF: 51.9/53

asym_sam8_eigen_dit_correction_rms vs Slug



Right In: 218.603+/-0.053 χ^2/NDF: 10678075.3/24

Left Out: 267.985+/-0.044 χ^2/NDF:862797.1/24

Right Out: 186.085+/-0.044 χ^2/NDF: 14893633.0/30

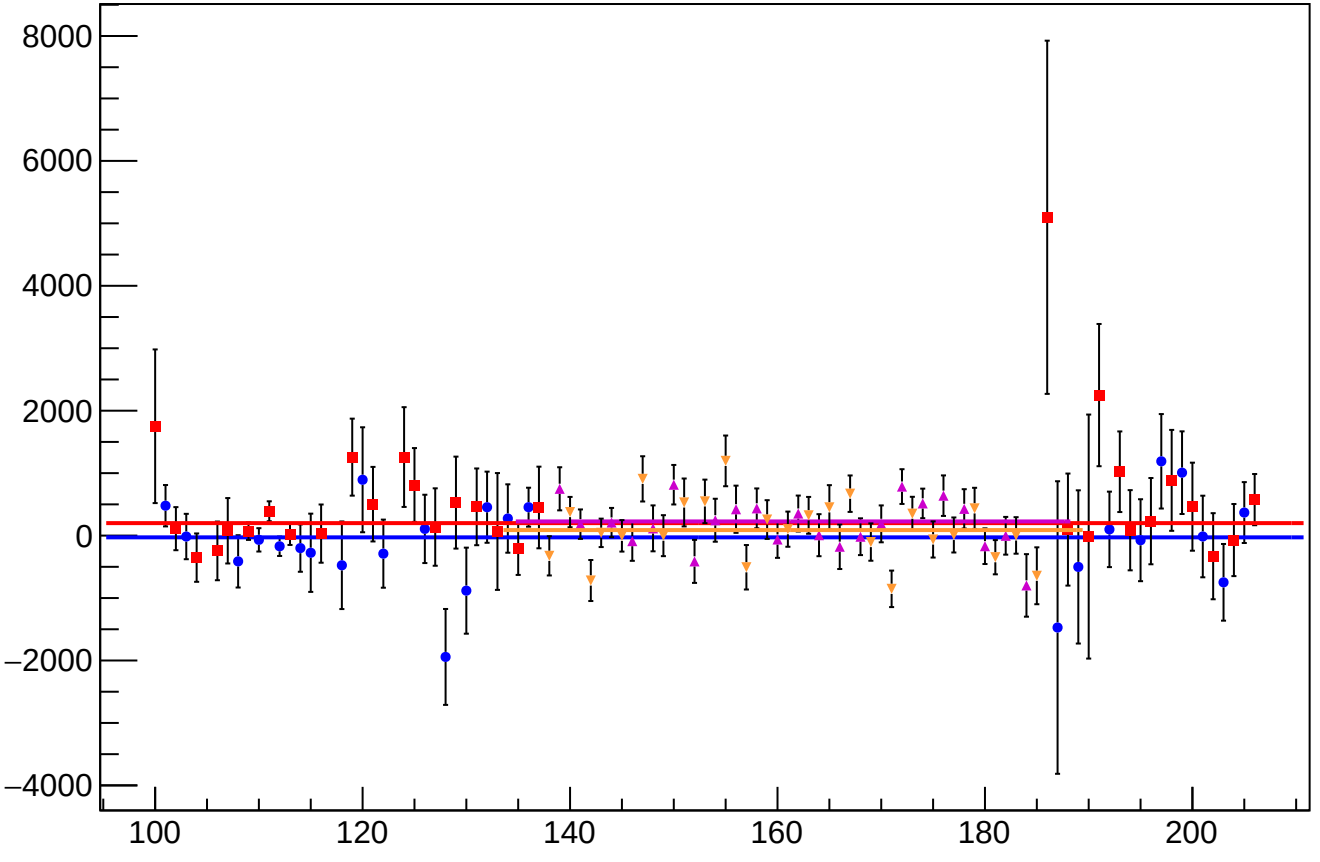
Left In: 273.750+/-0.046 χ^2/NDF:650300.9/22

+ sign 247.865+/-0.034 χ^2/NDF: 12062373.3/49

All: 237.721+/-0.023 χ^2/NDF: 29673454.2/10

- sign 228.615+/-0.032 χ^2/NDF: 17438104.8/53

asym_sam8_mean vs Slug



Right In: -28.131+/-81.219 χ^2/NDF: 25.2/24

Left Out: 88.397+/-60.666 χ^2/NDF:52.2/24

Right Out: 199.821+/-70.078 χ^2/NDF: 26.1/30

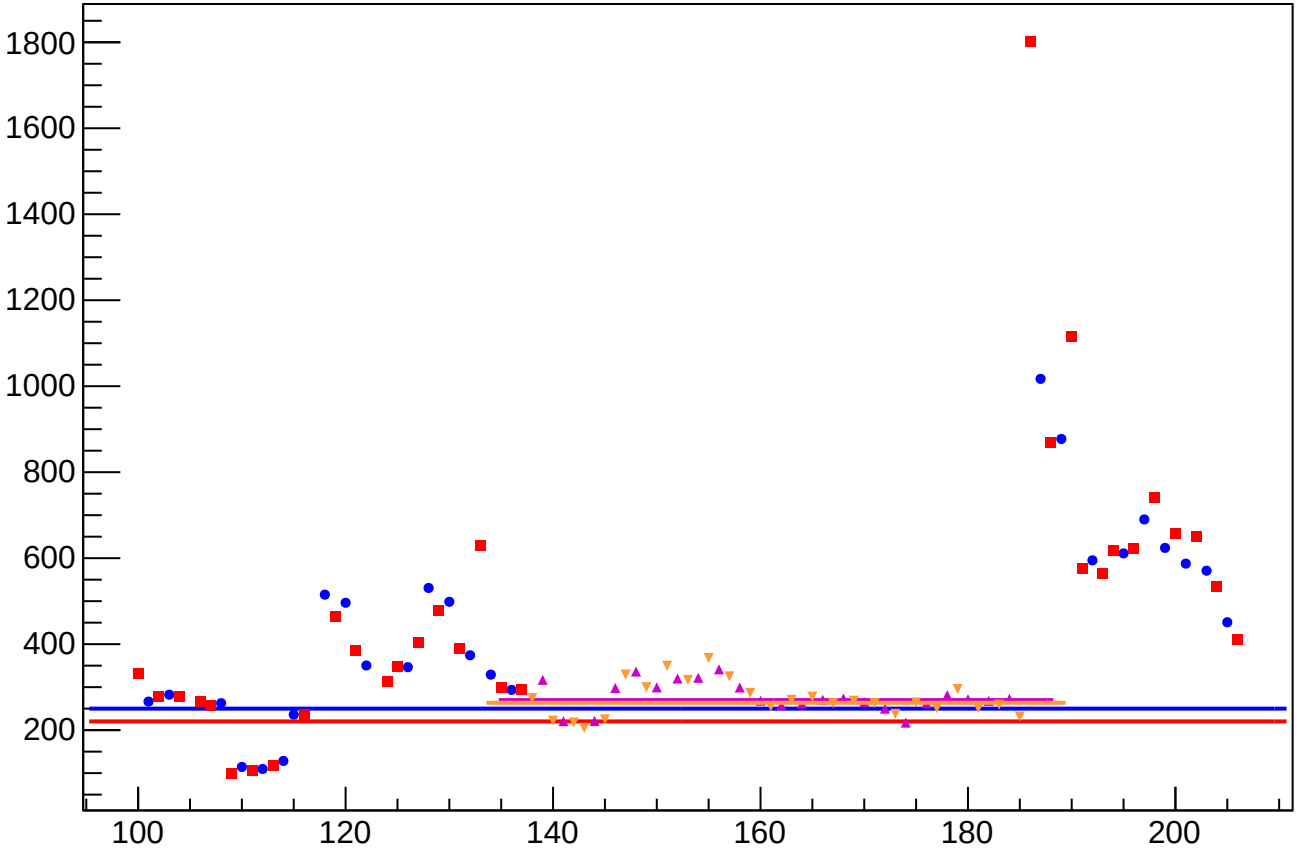
Left In: 226.867+/-63.677 χ^2/NDF:28.8/22

+ sign 46.666+/-48.604 χ^2/NDF: 78.7/49

All: 133.241+/-33.834 χ^2/NDF: 139.9/103

- sign 214.636+/-47.127 χ^2/NDF: 55.0/53

asym_sam8_rms vs Slug



Right In: 250.002+/-0.057 χ^2/NDF: 8930328.9/24

Left Out: 263.593+/-0.043 χ^2/NDF:779853.4/24

Right Out: 220.282+/-0.050 χ^2/NDF: 12766317.3/30

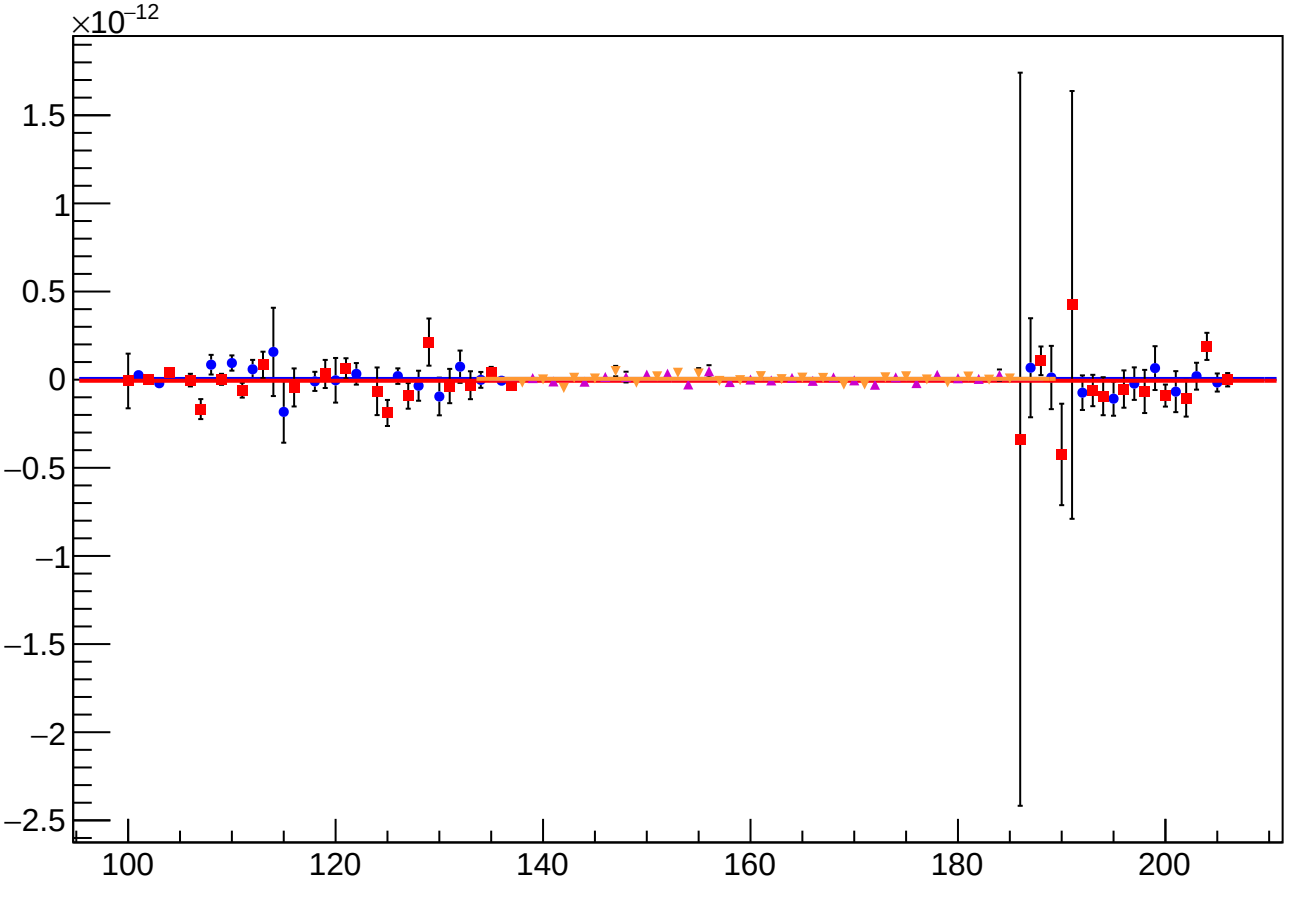
Left In: 269.898+/-0.045 χ^2/NDF:602244.3/22

+ sign 258.725+/-0.034 χ^2/NDF: 9746130.8/49

All: 252.919+/-0.024 χ^2/NDF: 23719207.3/10

- sign 247.459+/-0.033 χ^2/NDF: 13917689.7/53

asym_sam8_reg_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 16.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:27.9/24

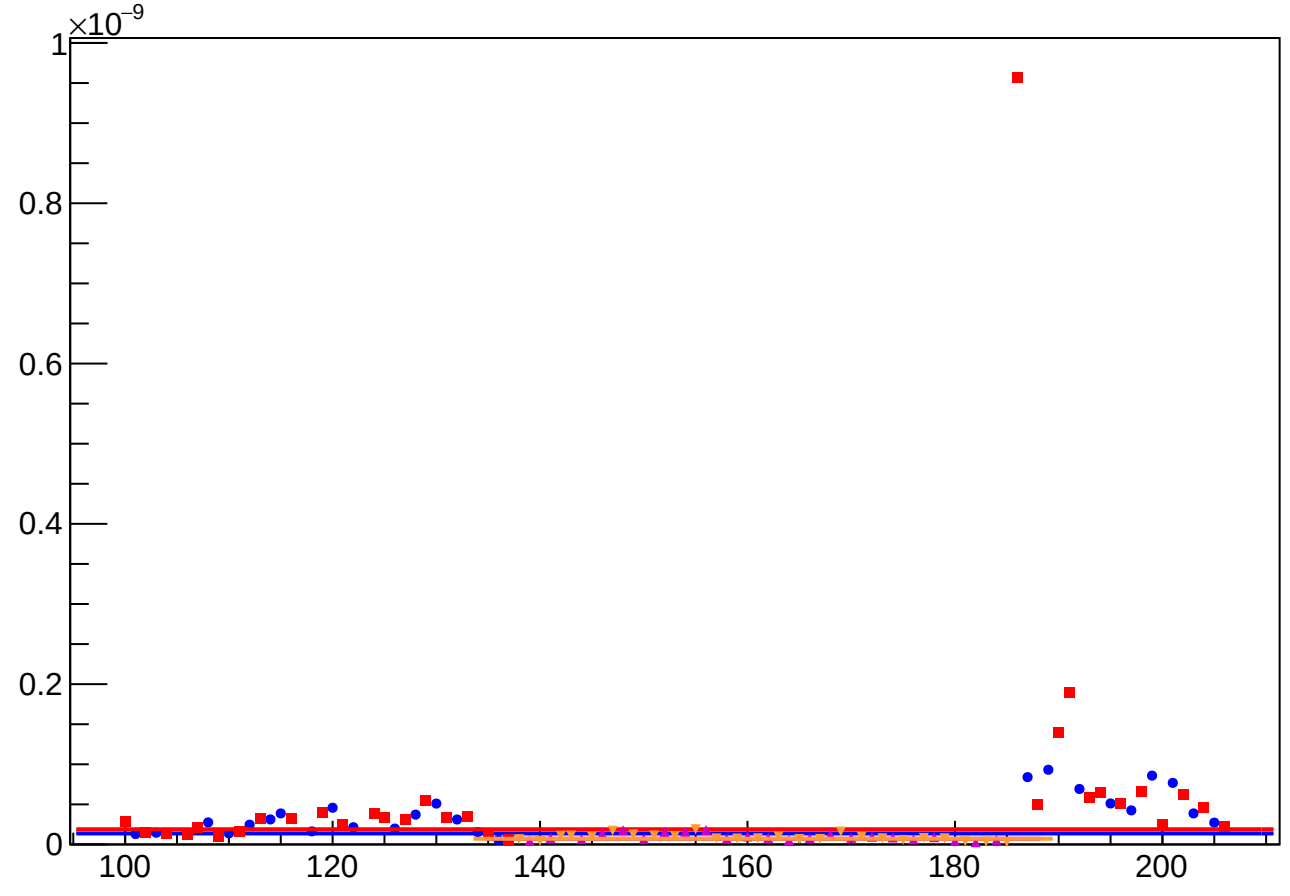
Right Out: -0.000+/-0.000 χ^2/NDF: 45.4/30

Left In: 0.000+/-0.000 χ^2/NDF:21.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 44.7/49

All: 0.000+/-0.000 χ^2/NDF: 112.9/103

- sign 0.000+/-0.000 χ^2/NDF: 67.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 5228213.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1952087.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4615592.3/30

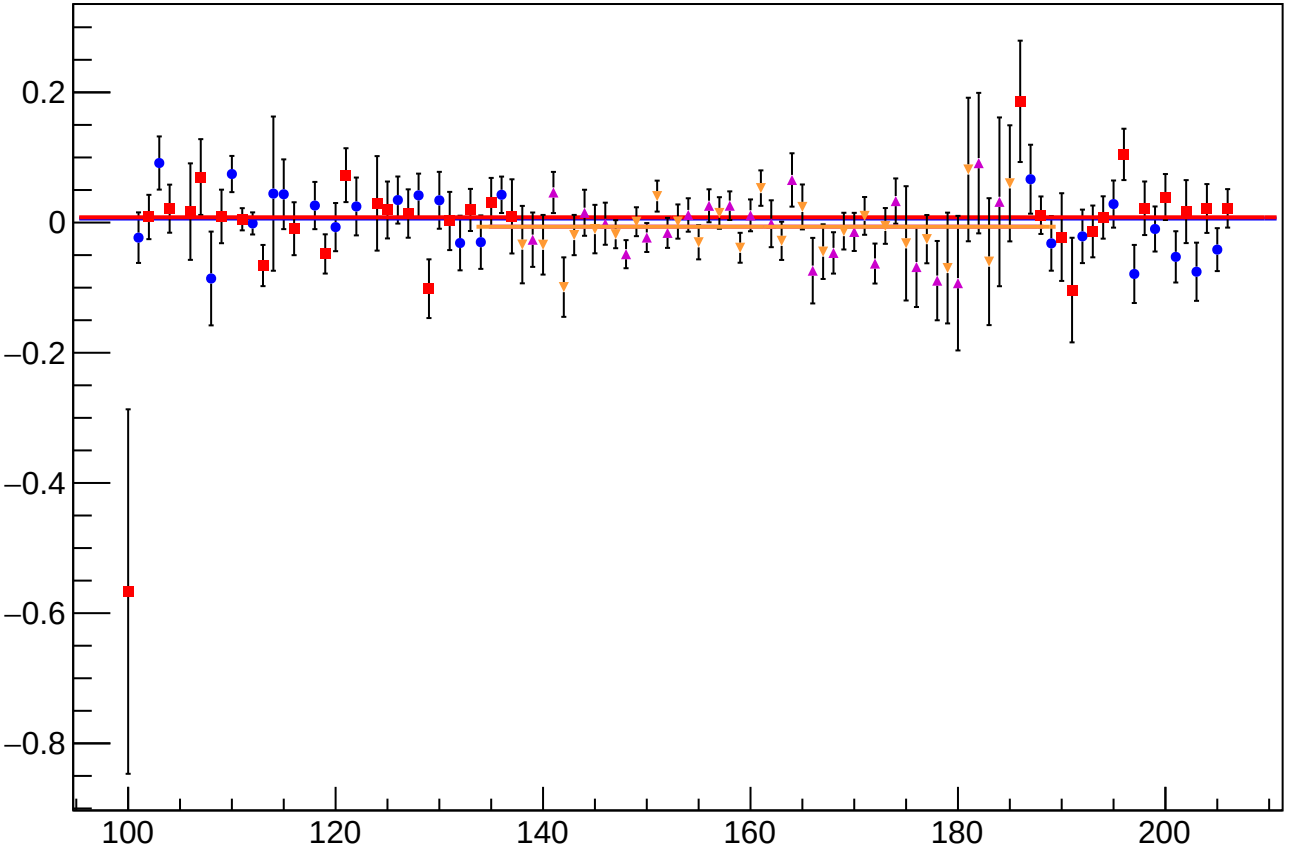
Left In: 0.000+/-0.000 χ^2/NDF:2053049.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 8366887.9/49

All: 0.000+/-0.000 χ^2/NDF: 17939864.0/103

- sign 0.000+/-0.000 χ^2/NDF: 9560563.1/53

asym_sam8_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 33.9/24

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.008+/-0.007 χ^2/NDF: 37.1/30

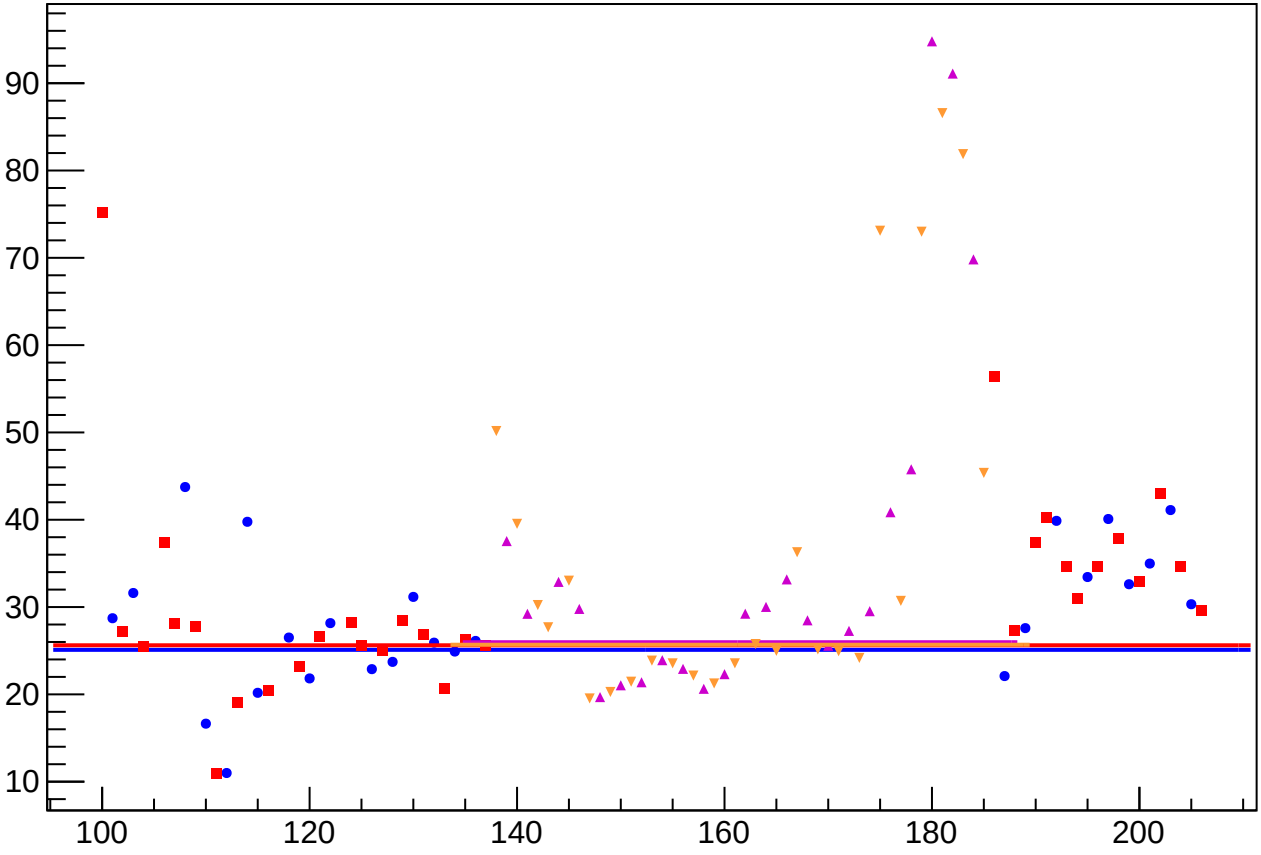
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.001+/-0.005 χ^2/NDF: 58.2/49

All: -0.000+/-0.003 χ^2/NDF: 126.1/103

- sign 0.001+/-0.005 χ^2/NDF: 67.8/53

asym_sam8_dit_vs_cor_diff_rms vs Slug



Right In: 25.099+/-0.005 χ^2/NDF: 3026107.0/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

Right Out: 25.622+/-0.005 χ^2/NDF: 3094610.1/30

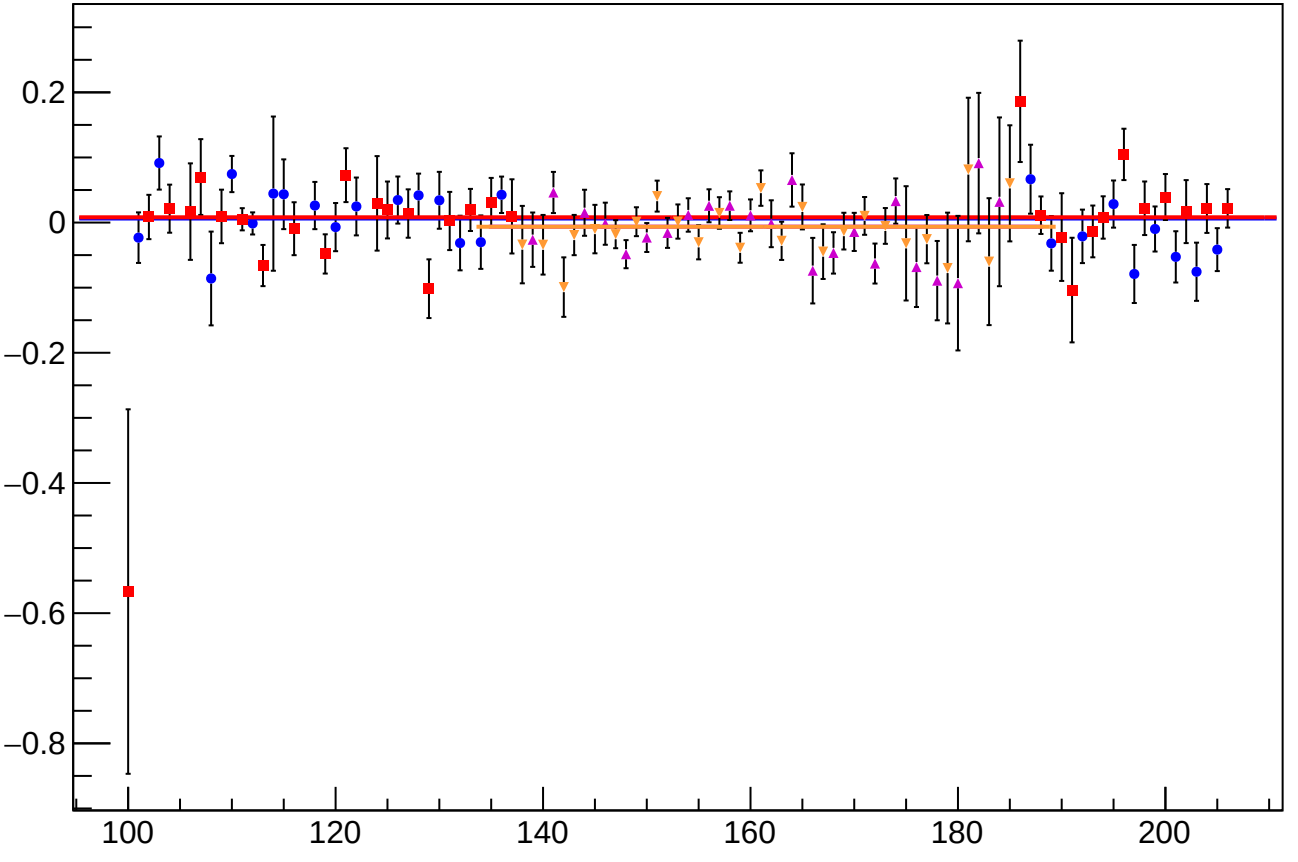
Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 25.429+/-0.003 χ^2/NDF: 6904976.9/49

All: 25.617+/-0.002 χ^2/NDF: 13126712.6/103

- sign 25.802+/-0.003 χ^2/NDF: 6215642.5/53

asym_sam8_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 33.9/24

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.008+/-0.007 χ^2/NDF: 37.1/30

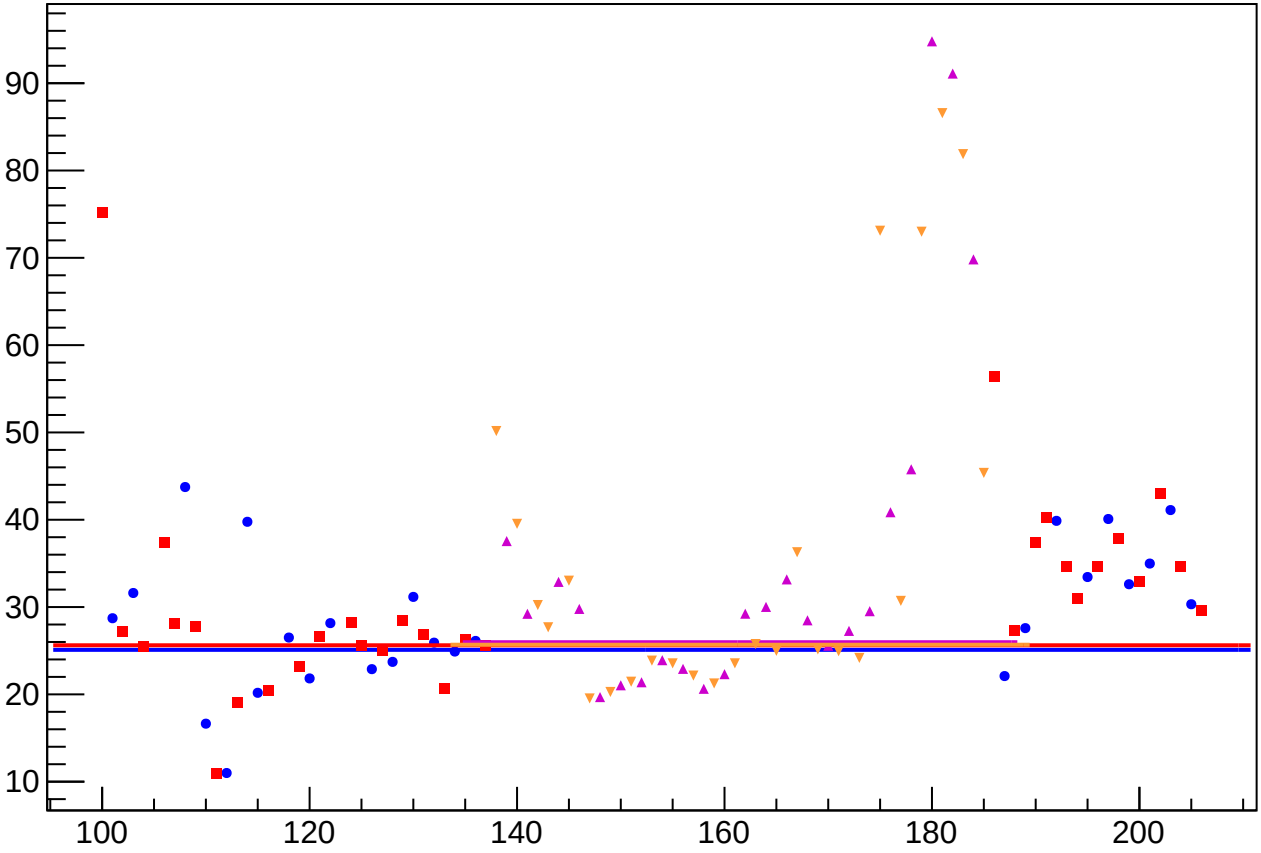
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.001+/-0.005 χ^2/NDF: 58.2/49

All: -0.000+/-0.003 χ^2/NDF: 126.1/103

- sign 0.001+/-0.005 χ^2/NDF: 67.8/53

asym_sam8_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.099+/-0.005 χ^2/NDF: 3026107.0/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871541.1/24

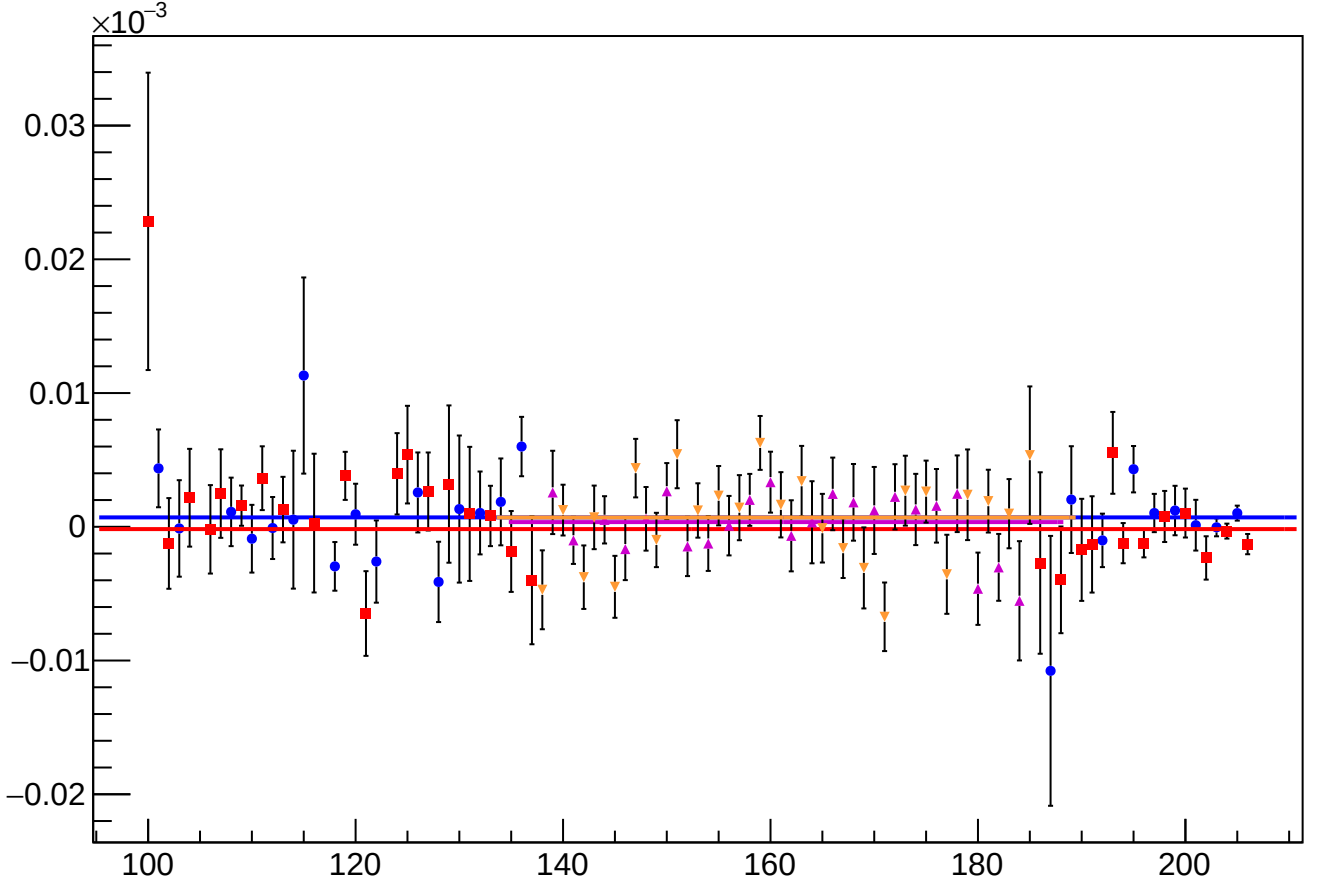
Right Out: 25.622+/-0.005 χ^2/NDF: 3094610.1/30

Left In: 25.972+/-0.005 χ^2/NDF:3118335.6/22

+ sign 25.429+/-0.003 χ^2/NDF: 6904976.9/49

All: 25.617+/-0.002 χ^2/NDF: 13126712.6/103

- sign 25.802+/-0.003 χ^2/NDF: 6215642.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 26.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:44.3/24

Right Out: -0.000+/-0.000 χ^2/NDF: 36.3/30

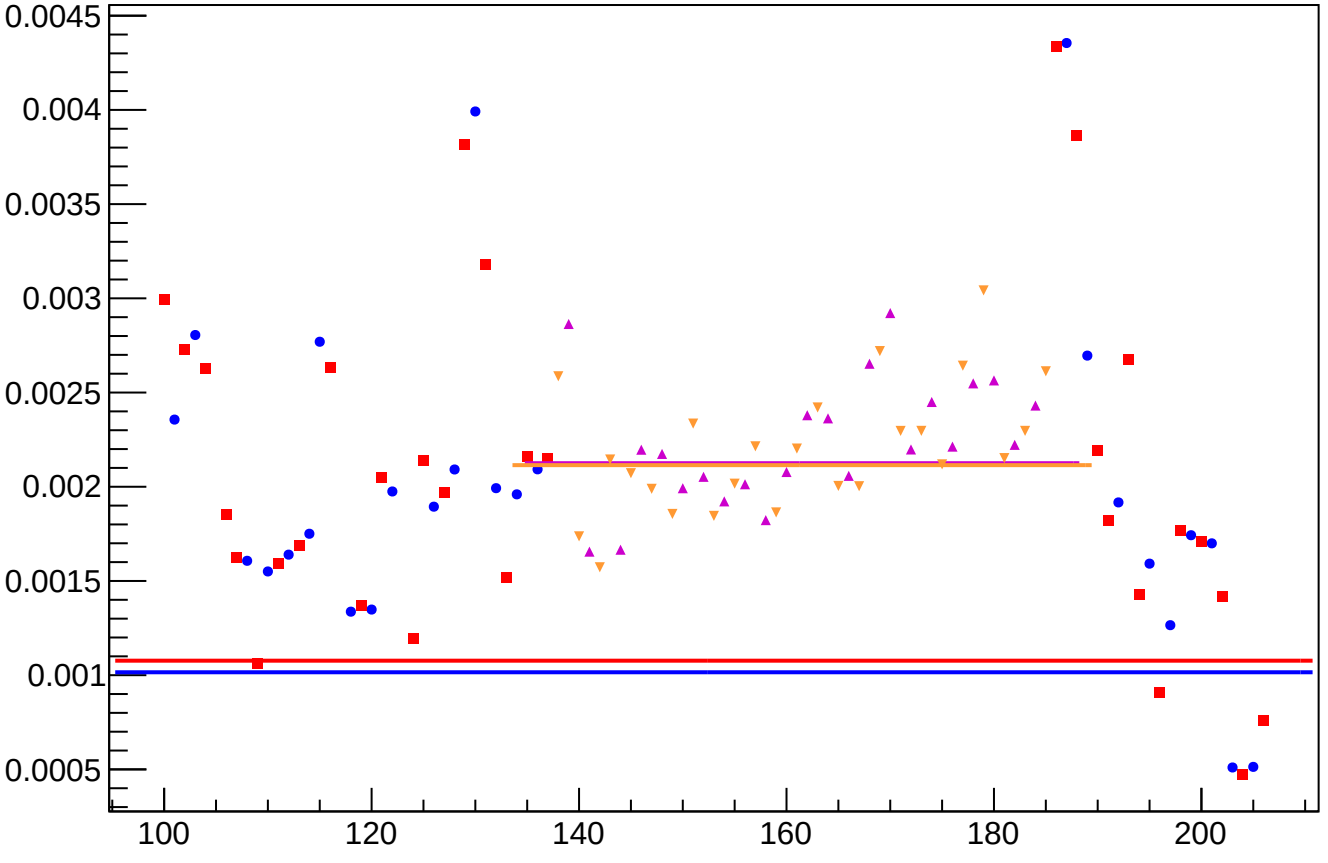
Left In: 0.000+/-0.000 χ^2/NDF:16.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.9/49

All: 0.000+/-0.000 χ^2/NDF: 127.8/103

- sign -0.000+/-0.000 χ^2/NDF: 53.4/53

asym_sam8_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8133179.2/24

Left Out: 0.002+/-0.000 χ^2/NDF:743658.4/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8974585.8/30

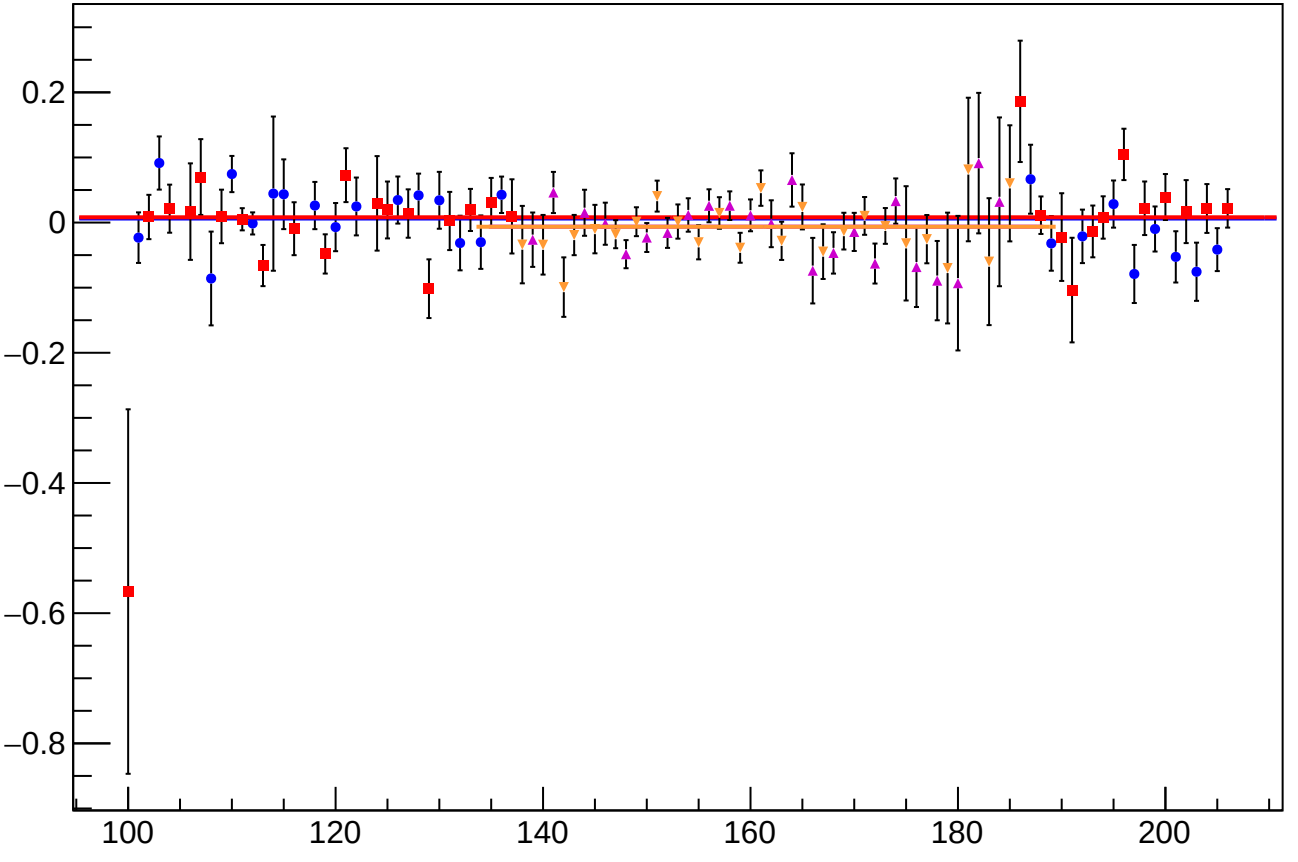
Left In: 0.002+/-0.000 χ^2/NDF:837770.9/22

+ sign 0.001+/-0.000 χ^2/NDF: 15854327.7/49

All: 0.001+/-0.000 χ^2/NDF: 31866949.9/103

- sign 0.001+/-0.000 χ^2/NDF: 16010850.0/53

asym_sam8_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 33.9/24

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.008+/-0.007 χ^2/NDF: 37.1/30

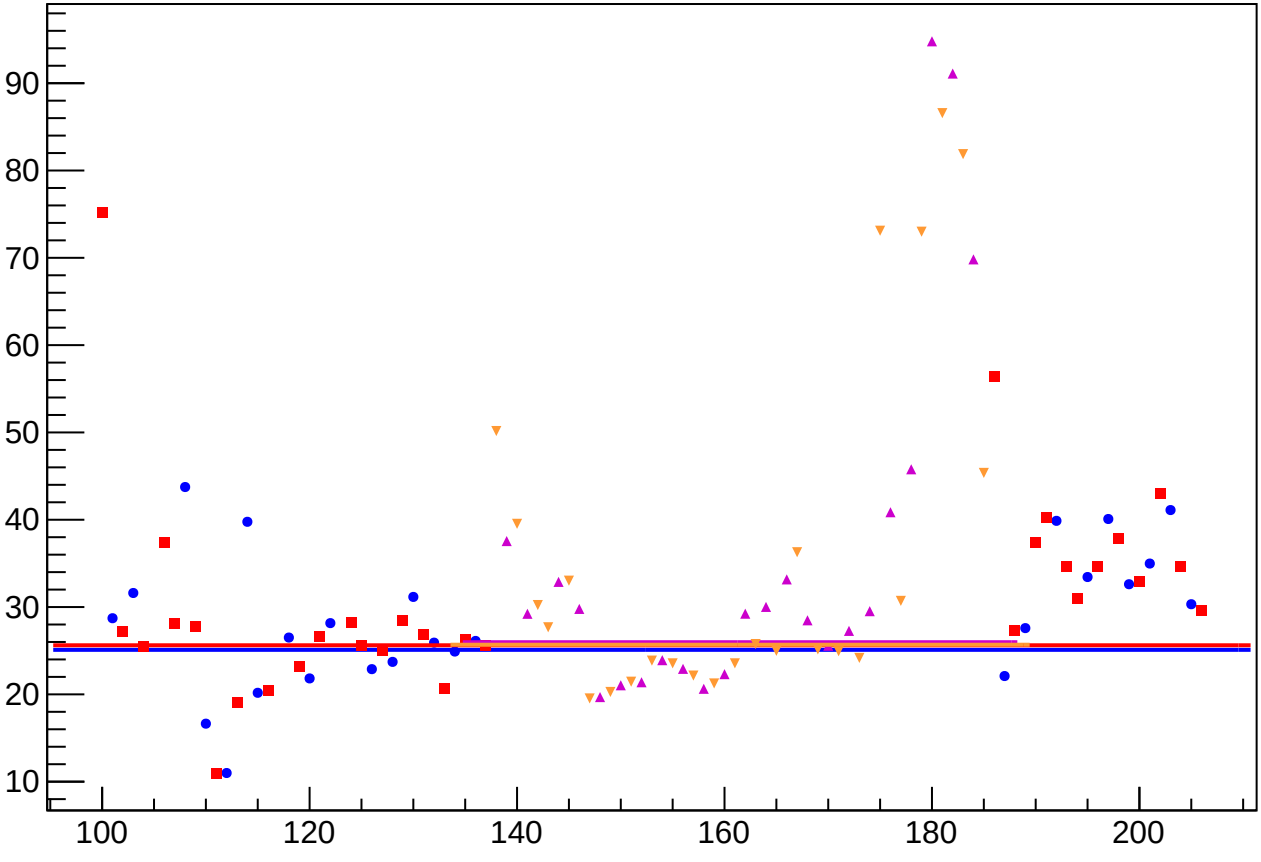
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.001+/-0.005 χ^2/NDF: 58.2/49

All: -0.000+/-0.003 χ^2/NDF: 126.1/103

- sign 0.001+/-0.005 χ^2/NDF: 67.8/53

asym_sam8_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 25.098+/-0.005 χ^2/NDF: 3026376.8/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

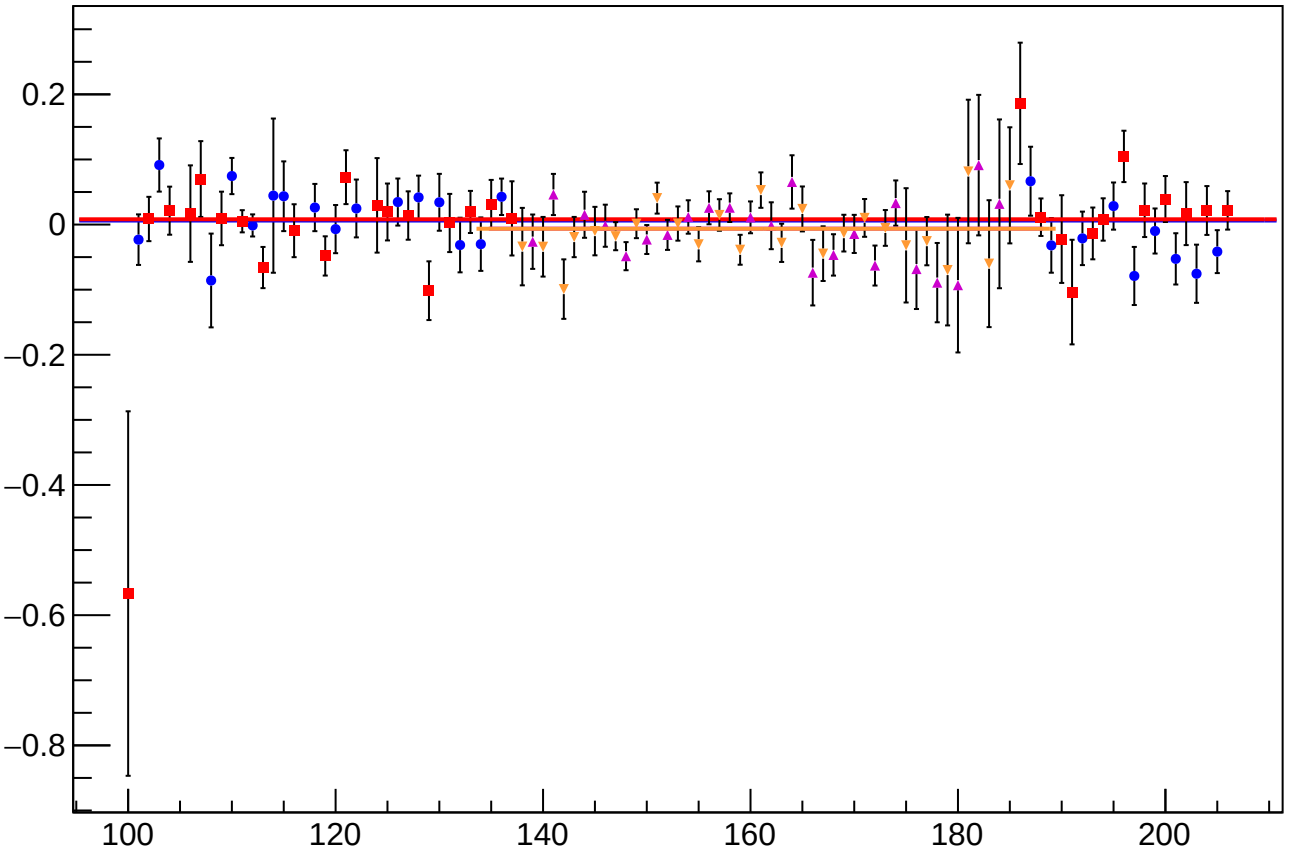
Right Out: 25.621+/-0.005 χ^2/NDF: 3094896.6/30

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.429+/-0.003 χ^2/NDF: 6905265.8/49

All: 25.617+/-0.002 χ^2/NDF: 13127277.5/103

- sign 25.802+/-0.003 χ^2/NDF: 6215919.8/53



Right In: 0.006+/-0.007 χ^2/NDF: 33.9/24

Left Out: -0.006+/-0.006 χ^2/NDF:22.6/24

Right Out: 0.008+/-0.007 χ^2/NDF: 37.1/30

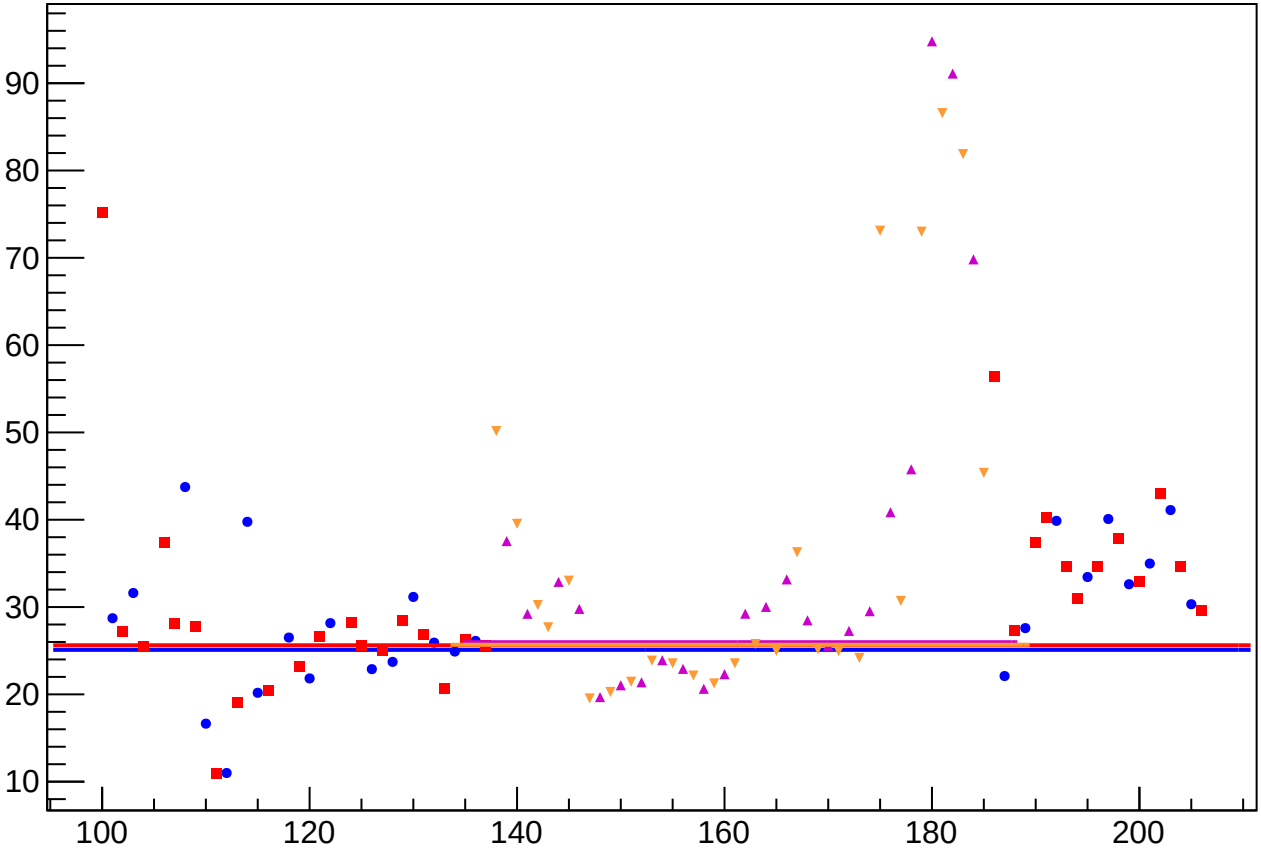
Left In: -0.006+/-0.007 χ^2/NDF:28.4/22

+ sign -0.001+/-0.005 χ^2/NDF: 58.2/49

All: -0.000+/-0.003 χ^2/NDF: 126.1/103

- sign 0.001+/-0.005 χ^2/NDF: 67.8/53

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 25.098+/-0.005 χ^2/NDF: 3026376.8/24

Left Out: 25.685+/-0.005 χ^2/NDF:3871544.4/24

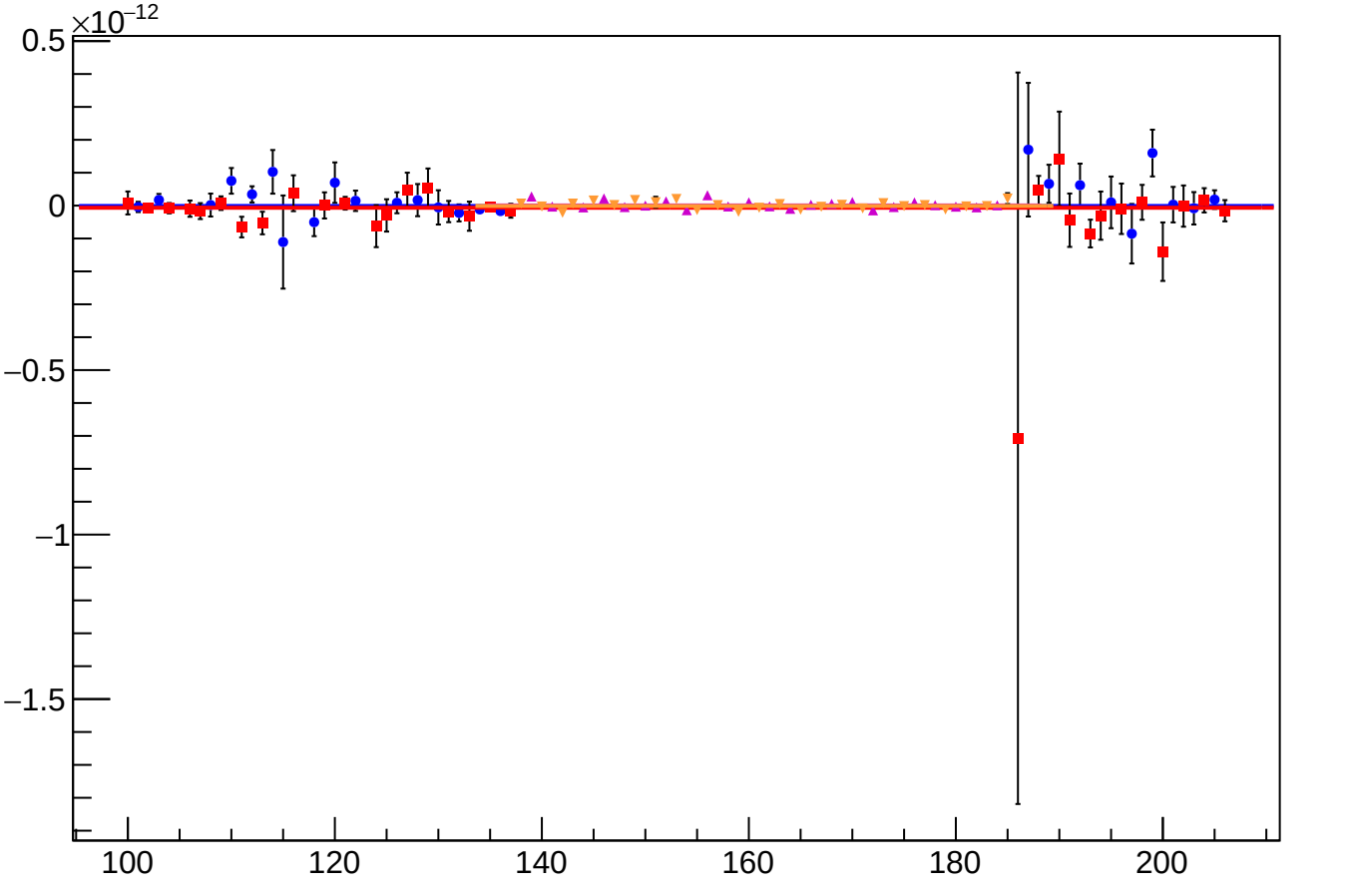
Right Out: 25.621+/-0.005 χ^2/NDF: 3094896.6/30

Left In: 25.972+/-0.005 χ^2/NDF:3118315.0/22

+ sign 25.429+/-0.003 χ^2/NDF: 6905265.8/49

All: 25.617+/-0.002 χ^2/NDF: 13127277.5/103

- sign 25.802+/-0.003 χ^2/NDF: 6215919.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 26.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:28.8/24

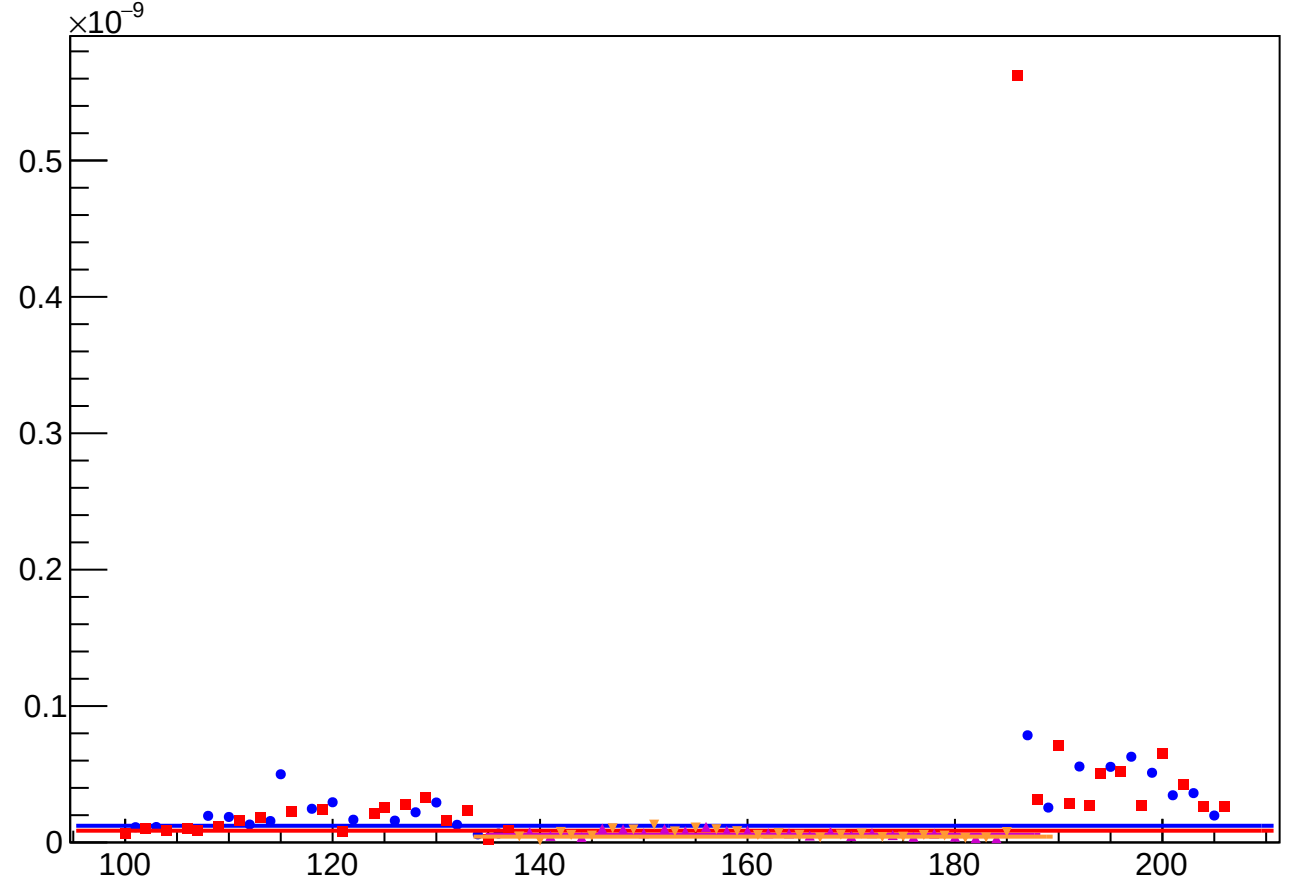
Right Out: -0.000+/-0.000 χ^2/NDF: 20.7/30

Left In: 0.000+/-0.000 χ^2/NDF:29.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.7/49

All: -0.000+/-0.000 χ^2/NDF: 108.6/103

- sign -0.000+/-0.000 χ^2/NDF: 52.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 6175934.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:5399109.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10291988.1/30

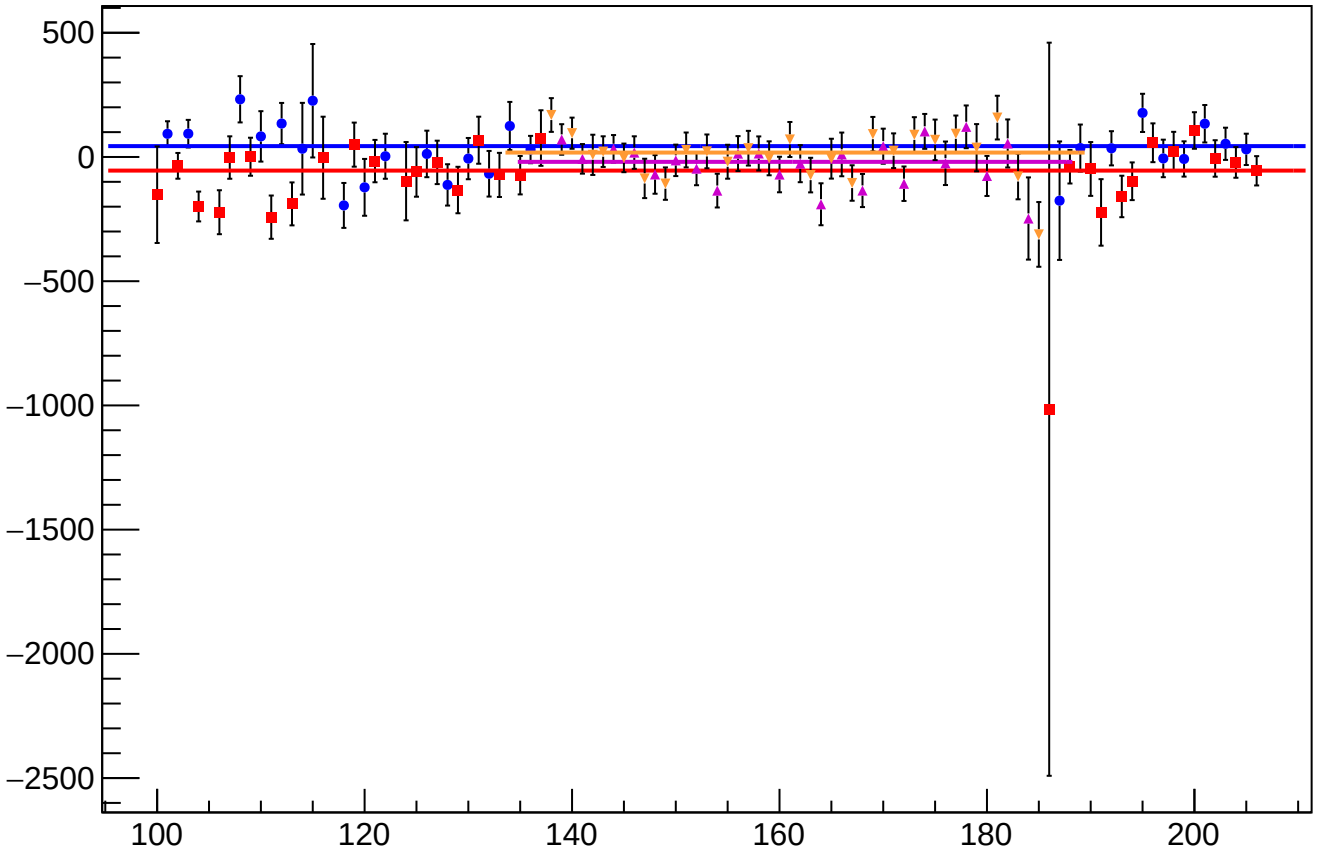
Left In: 0.000+/-0.000 χ^2/NDF:2811616.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 15877704.7/49

All: 0.000+/-0.000 χ^2/NDF: 30557991.6/103

- sign 0.000+/-0.000 χ^2/NDF: 14094316.4/53

reg_asym_sam_15_avg_mean vs Slug



Right In: 43.740+/-15.914 χ^2/NDF: 29.7/24

Left Out: 17.800+/-14.495 χ^2/NDF:31.6/24

Right Out: -54.779+/-14.938 χ^2/NDF: 36.0/30

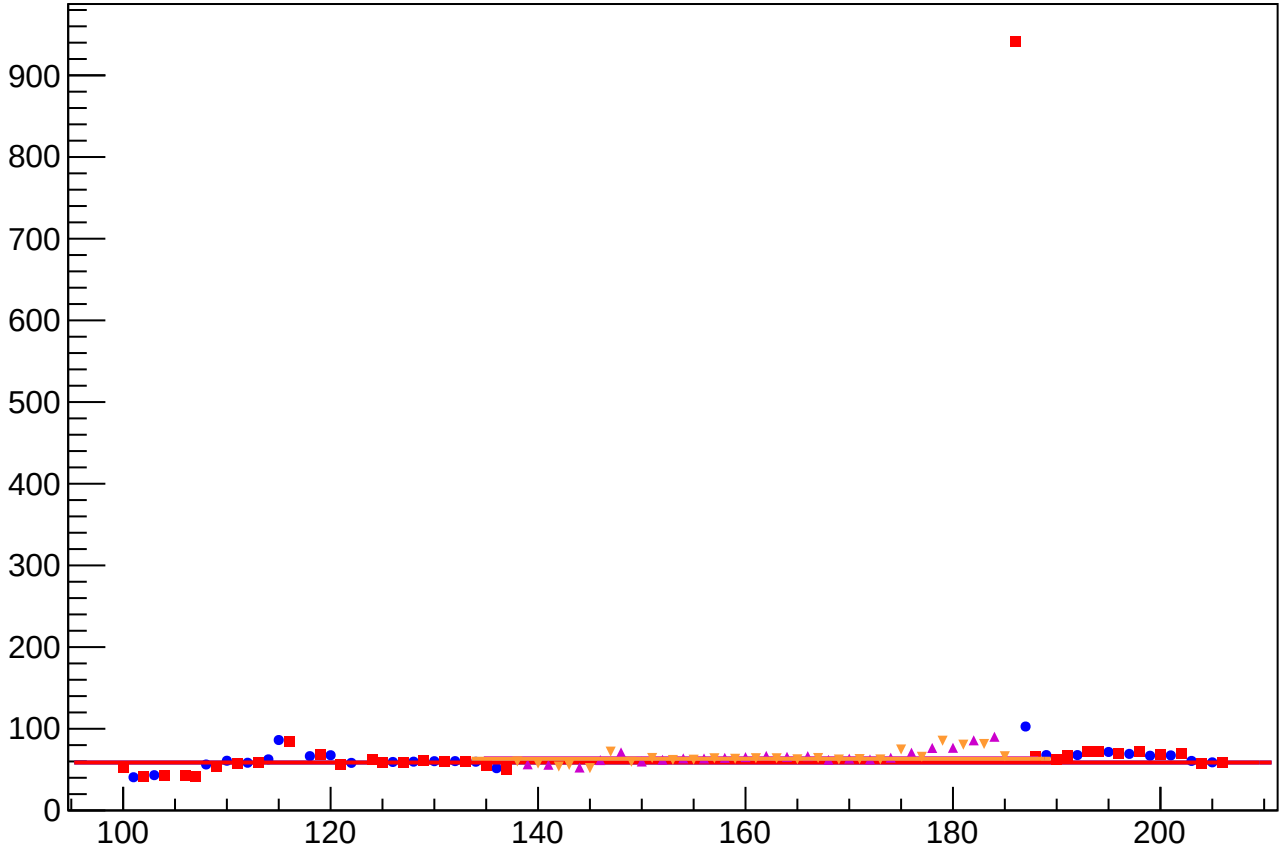
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 29.562+/-10.716 χ^2/NDF: 62.7/49

All: -4.253+/-7.536 χ^2/NDF: 147.4/103

- sign -37.330+/-10.599 χ^2/NDF: 65.0/53

reg_asym_sam_15_avg_rms vs Slug



Right In: 58.687+/-0.011 χ^2/NDF: 776430.8/24

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.703+/-0.011 χ^2/NDF: 1647781.2/30

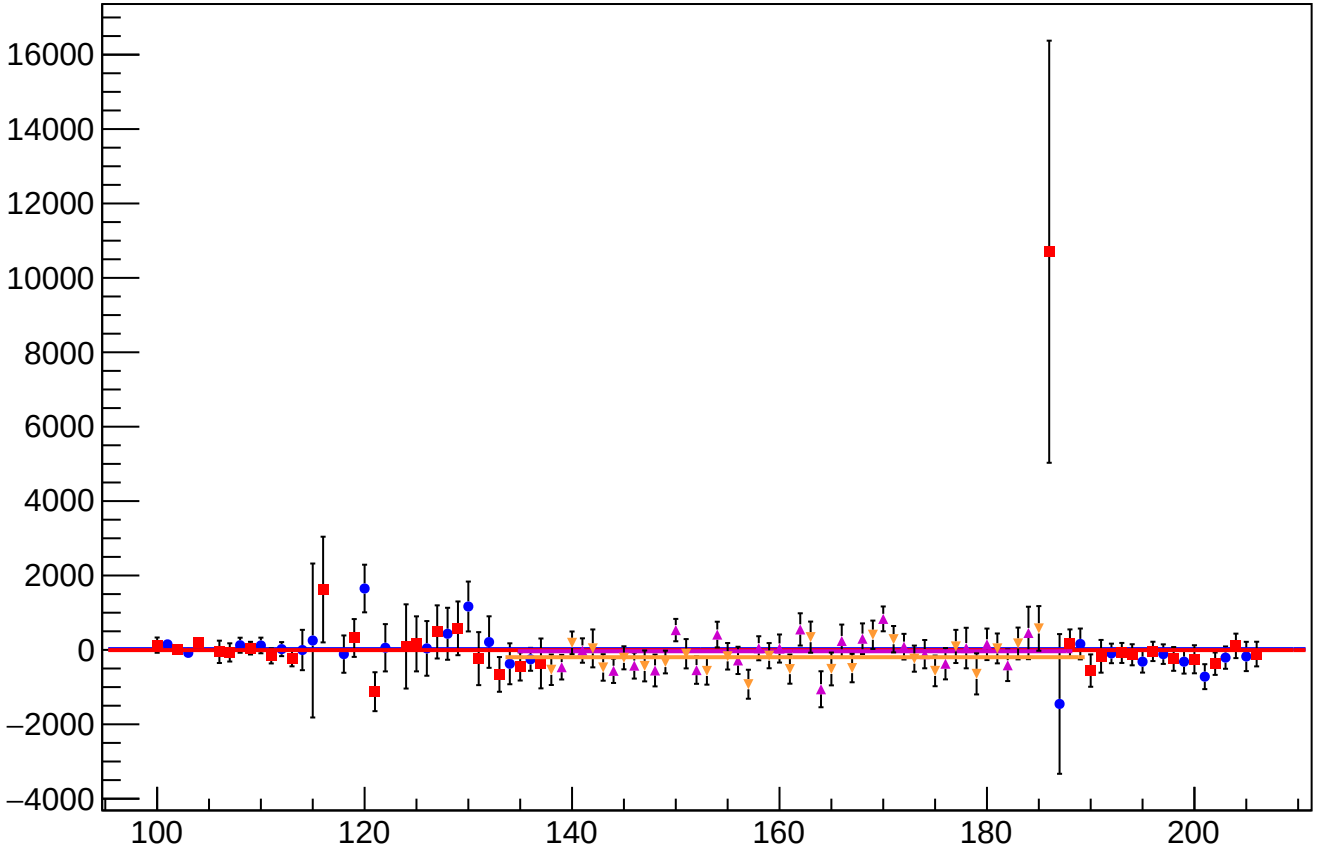
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.215+/-0.008 χ^2/NDF: 1366189.5/49

All: 61.254+/-0.005 χ^2/NDF: 3580409.3/103

\- sign 61.293+/-0.007 χ^2/NDF: 2214167.1/53

asym_sam_15_avg_reg_correction_mean vs Slug



Right In: 20.843+/-42.804 χ^2/NDF: 26.0/24

Left Out: -195.947+/-77.088 χ^2/NDF:20.6/24

Right Out: -5.530+/-44.696 χ^2/NDF: 27.0/30

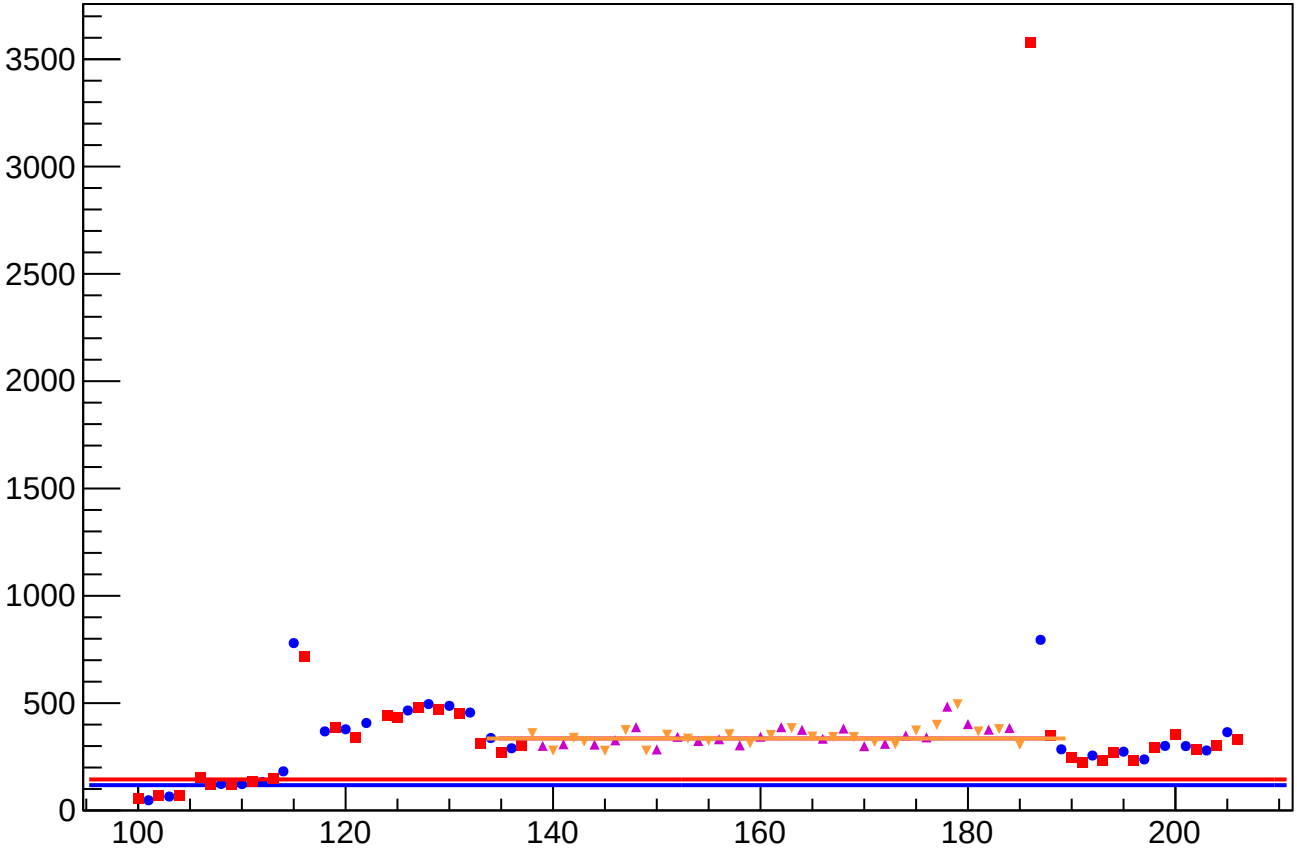
Left In: -36.417+/-79.210 χ^2/NDF:31.1/22

+ sign -30.246+/-37.422 χ^2/NDF: 52.6/49

All: -21.958+/-26.978 χ^2/NDF: 110.9/103

- sign -12.990+/-38.927 χ^2/NDF: 58.2/53

asym_sam_15_avg_reg_correction_rms vs Slug



Right In: 117.825+/-0.030 χ^2/NDF: 12162696.0/24

Left Out: 335.271+/-0.055 χ^2/NDF:563801.0/24

Right Out: 144.562+/-0.032 χ^2/NDF: 11336078.6/30

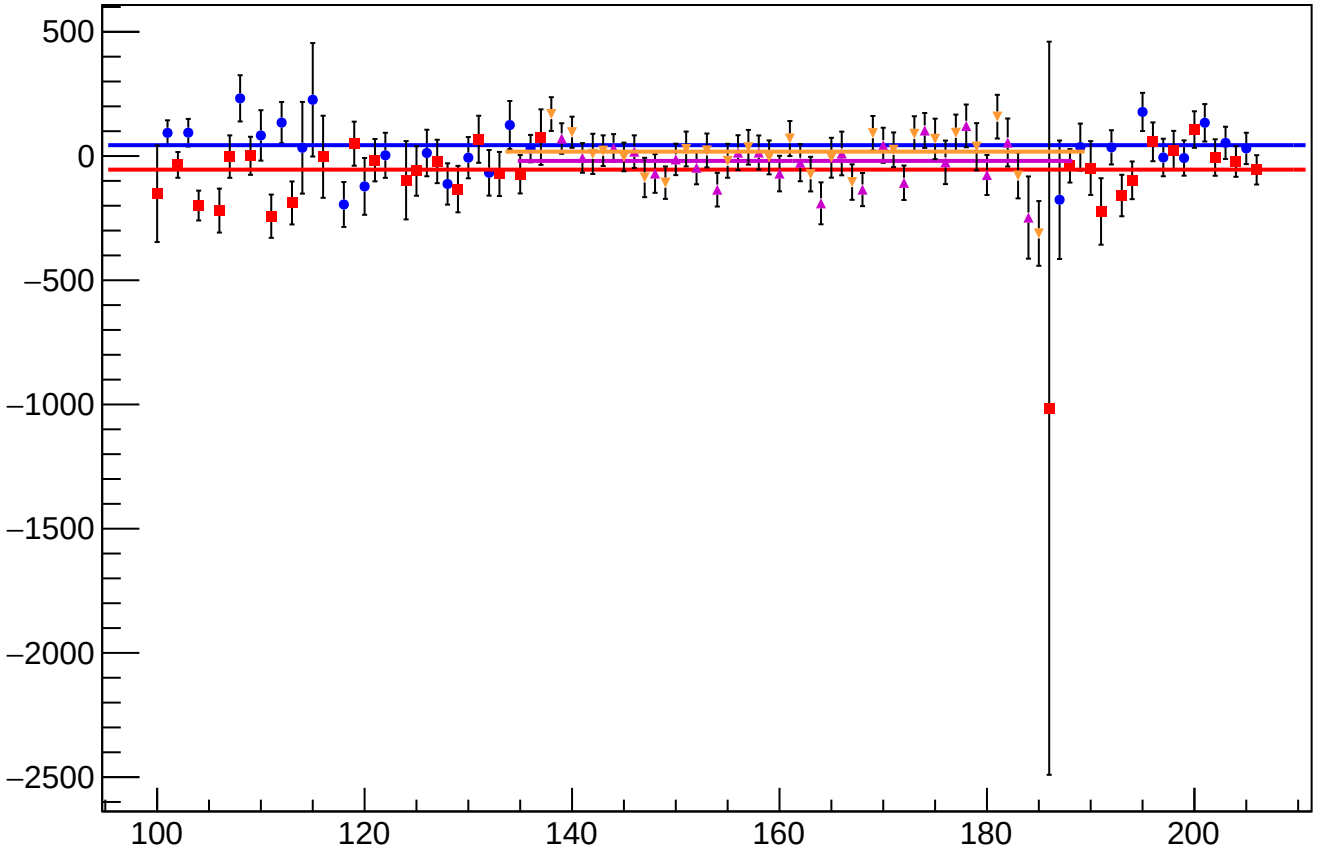
Left In: 335.526+/-0.056 χ^2/NDF:495163.6/22

+ sign 169.068+/-0.026 χ^2/NDF: 24889643.4/49

All: 179.449+/-0.019 χ^2/NDF: 45858399.3/10

- sign 190.682+/-0.028 χ^2/NDF: 20648311.7/53

cor_asym_sam_15_avg_mean vs Slug



Right In: 43.747+/-15.914 χ^2/NDF: 29.7/24

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -54.702+/-14.939 χ^2/NDF: 35.9/30

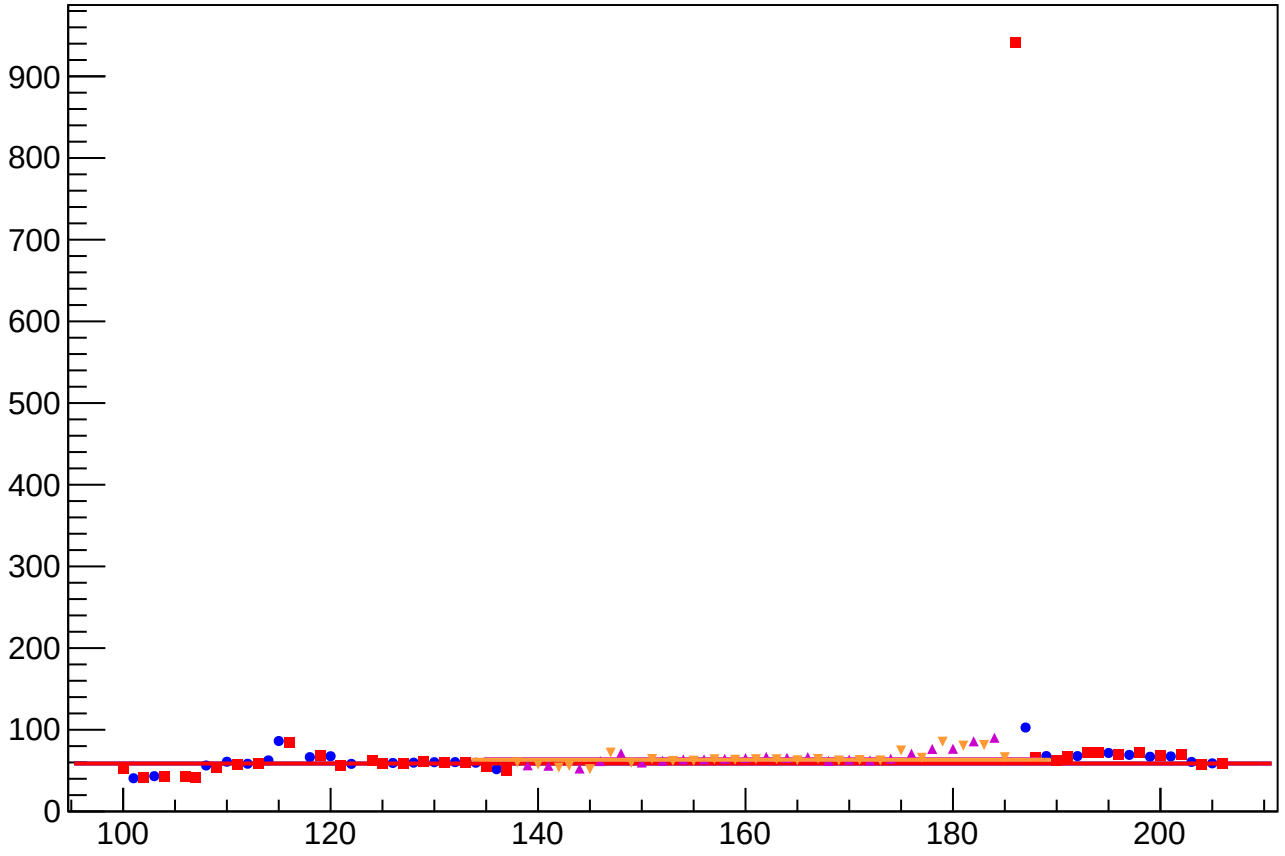
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 29.567+/-10.716 χ^2/NDF: 62.7/49

All: -4.230+/-7.536 χ^2/NDF: 147.3/103

- sign -37.291+/-10.599 χ^2/NDF: 64.9/53

cor_asym_sam_15_avg_rms vs Slug



Right In: 58.687+/-0.011 χ^2/NDF: 776429.8/24

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.702+/-0.011 χ^2/NDF: 1648197.5/30

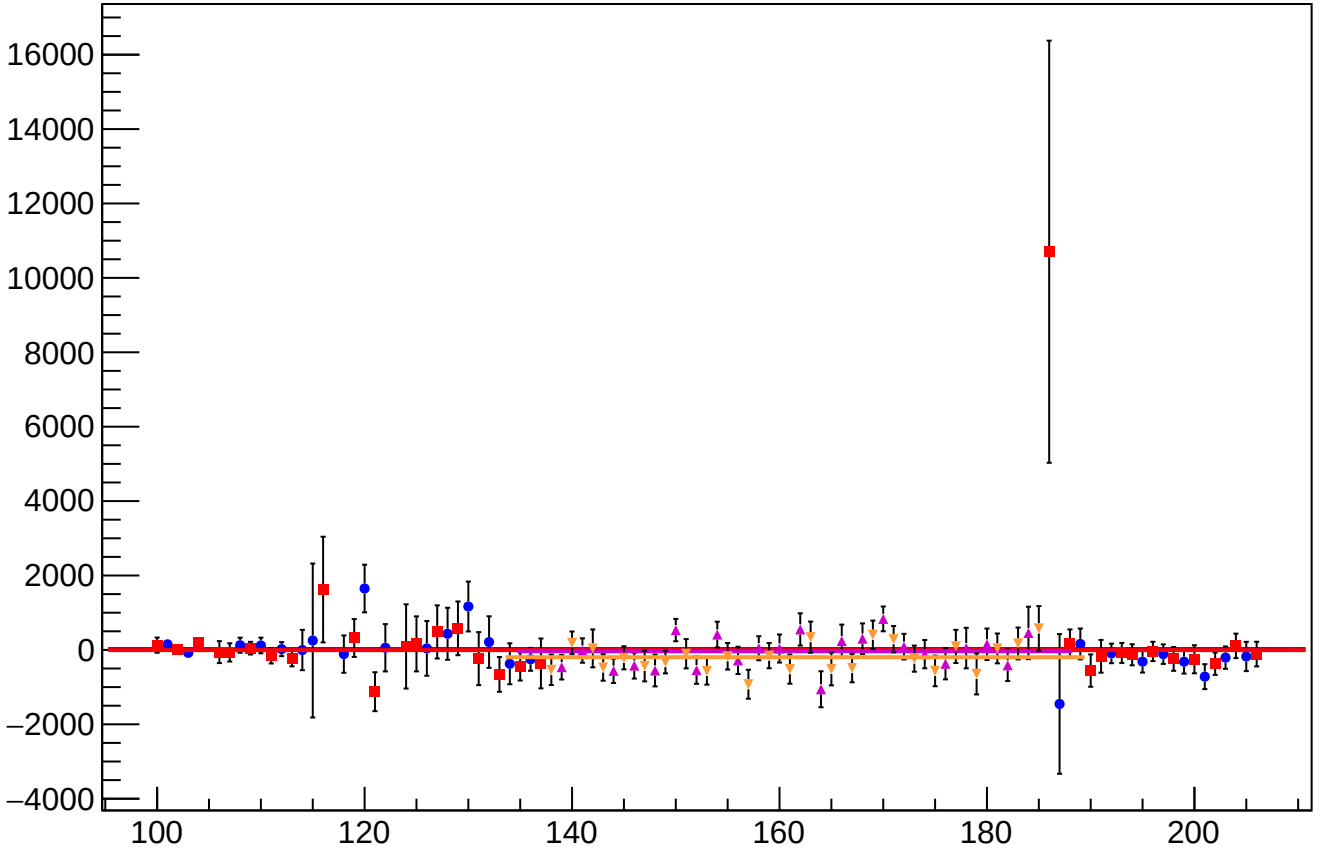
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.215+/-0.008 χ^2/NDF: 1366188.4/49

All: 61.254+/-0.005 χ^2/NDF: 3580857.0/103

\- sign 61.292+/-0.007 χ^2/NDF: 2214616.4/53

asym_sam_15_avg_cor_correction_mean vs Slug



Right In: 20.847+/-42.803 χ^2/NDF: 26.0/24

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

Right Out: -5.836+/-44.666 χ^2/NDF: 27.0/30

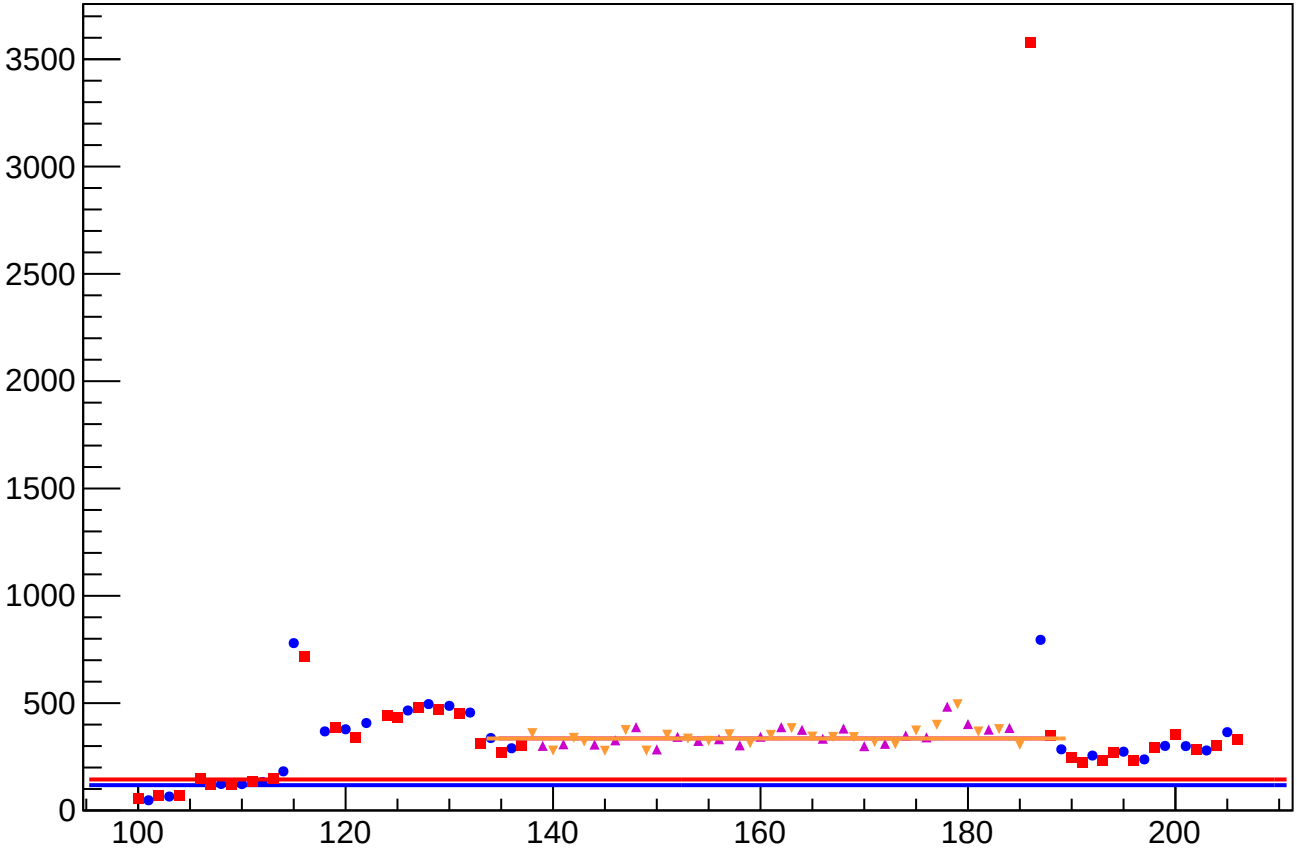
Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -30.240+/-37.422 χ^2/NDF: 52.6/49

All: -22.058+/-26.971 χ^2/NDF: 110.9/103

- sign -13.214+/-38.907 χ^2/NDF: 58.2/53

asym_sam_15_avg_cor_correction_rms vs Slug



Right In: 117.821+/-0.030 χ^2/NDF: 12162951.8/24

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

Right Out: 144.372+/-0.032 χ^2/NDF: 11340075.4/30

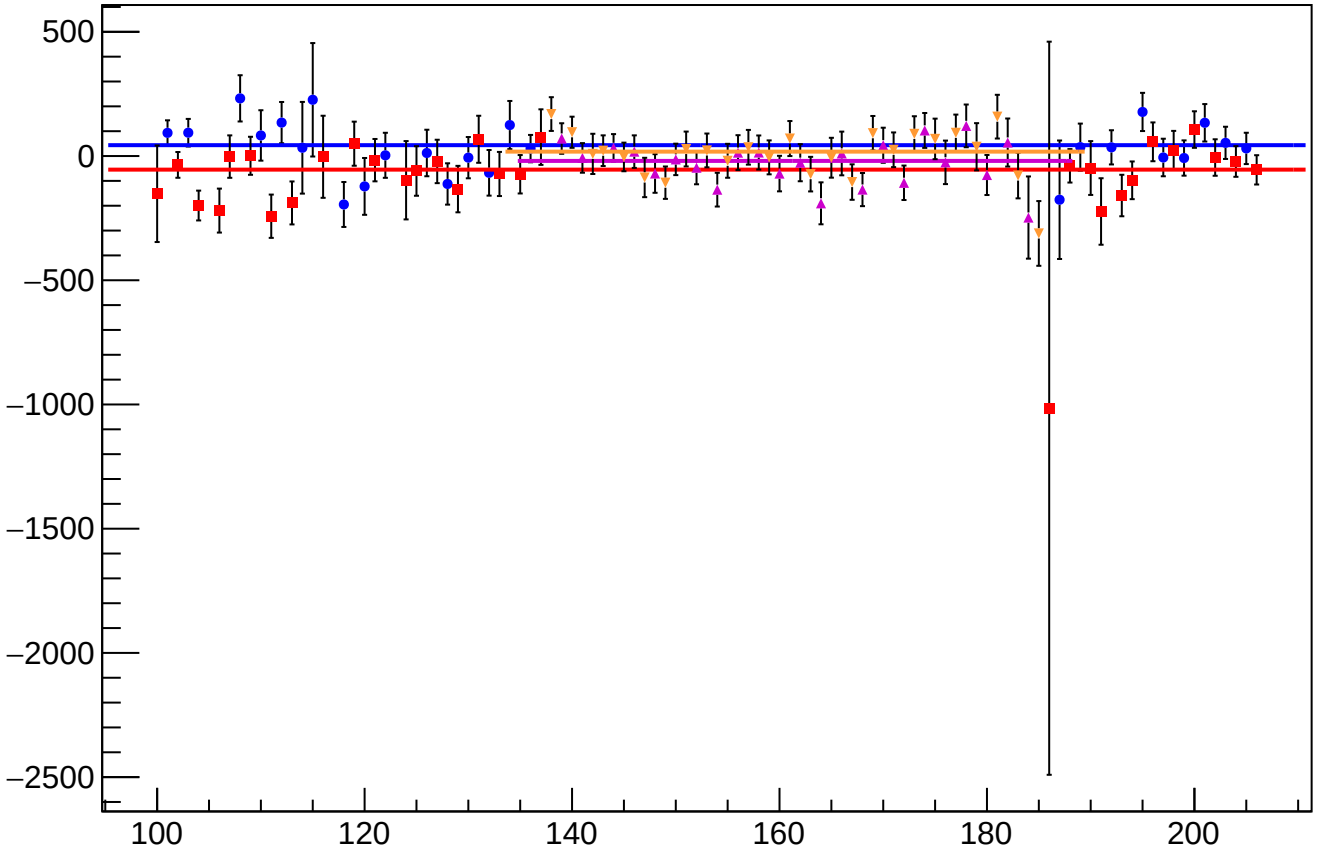
Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 169.064+/-0.026 χ^2/NDF: 24890373.2/49

All: 179.361+/-0.019 χ^2/NDF: 45878166.5/10

- sign 190.491+/-0.028 χ^2/NDF: 20672700.5/53

eigen_cor_asym_sam_15_avg_mean vs Slug



Right In: 43.747+/-15.914 χ^2/NDF: 29.7/24

Left Out: 17.804+/-14.495 χ^2/NDF:31.6/24

Right Out: -54.702+/-14.939 χ^2/NDF: 35.9/30

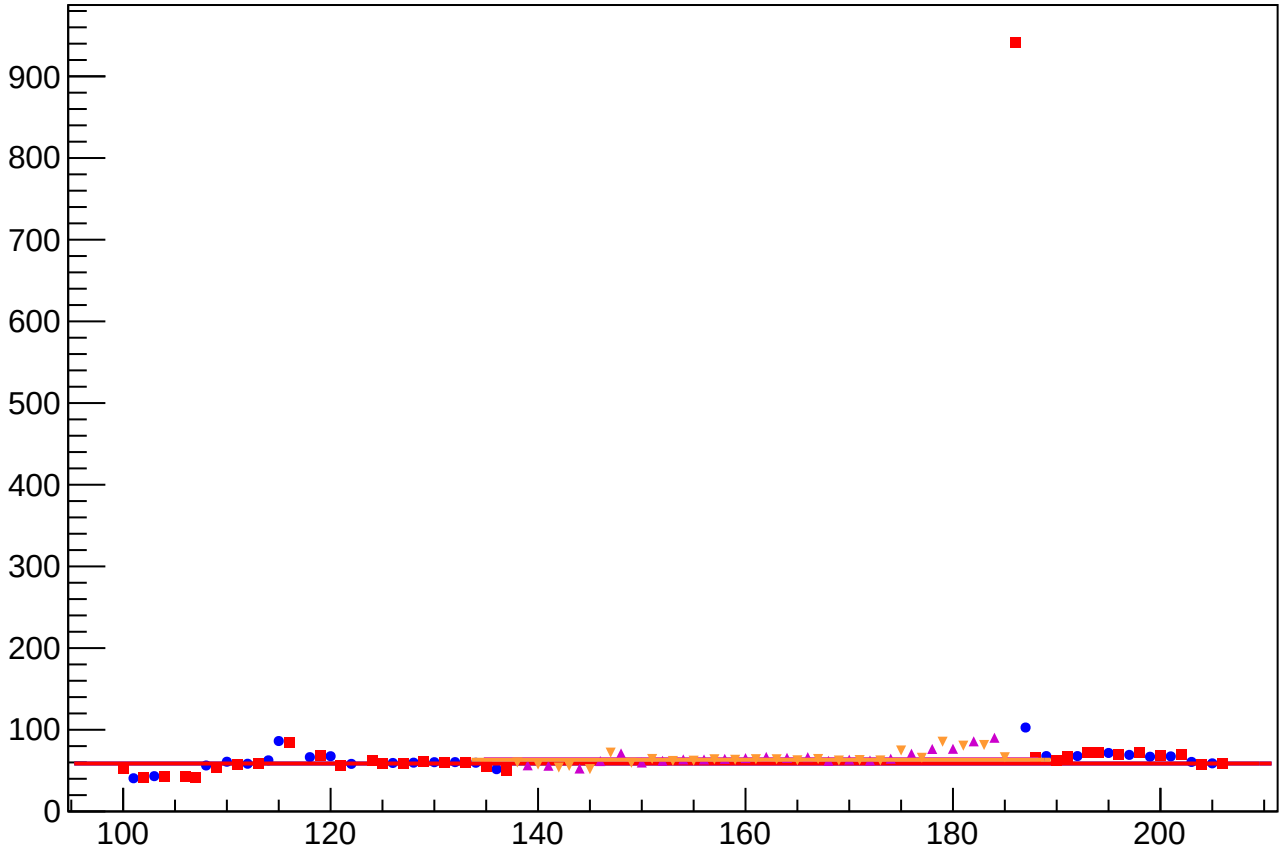
Left In: -19.642+/-15.040 χ^2/NDF:26.2/22

+ sign 29.567+/-10.716 χ^2/NDF: 62.7/49

All: -4.230+/-7.536 χ^2/NDF: 147.3/103

- sign -37.291+/-10.599 χ^2/NDF: 64.9/53

eigen_cor_asym_sam_15_avg_rms vs Slug



Right In: 58.687+/-0.011 χ^2/NDF: 776429.8/24

Left Out: 63.312+/-0.010 χ^2/NDF:497429.6/24

Right Out: 58.702+/-0.011 χ^2/NDF: 1648197.5/30

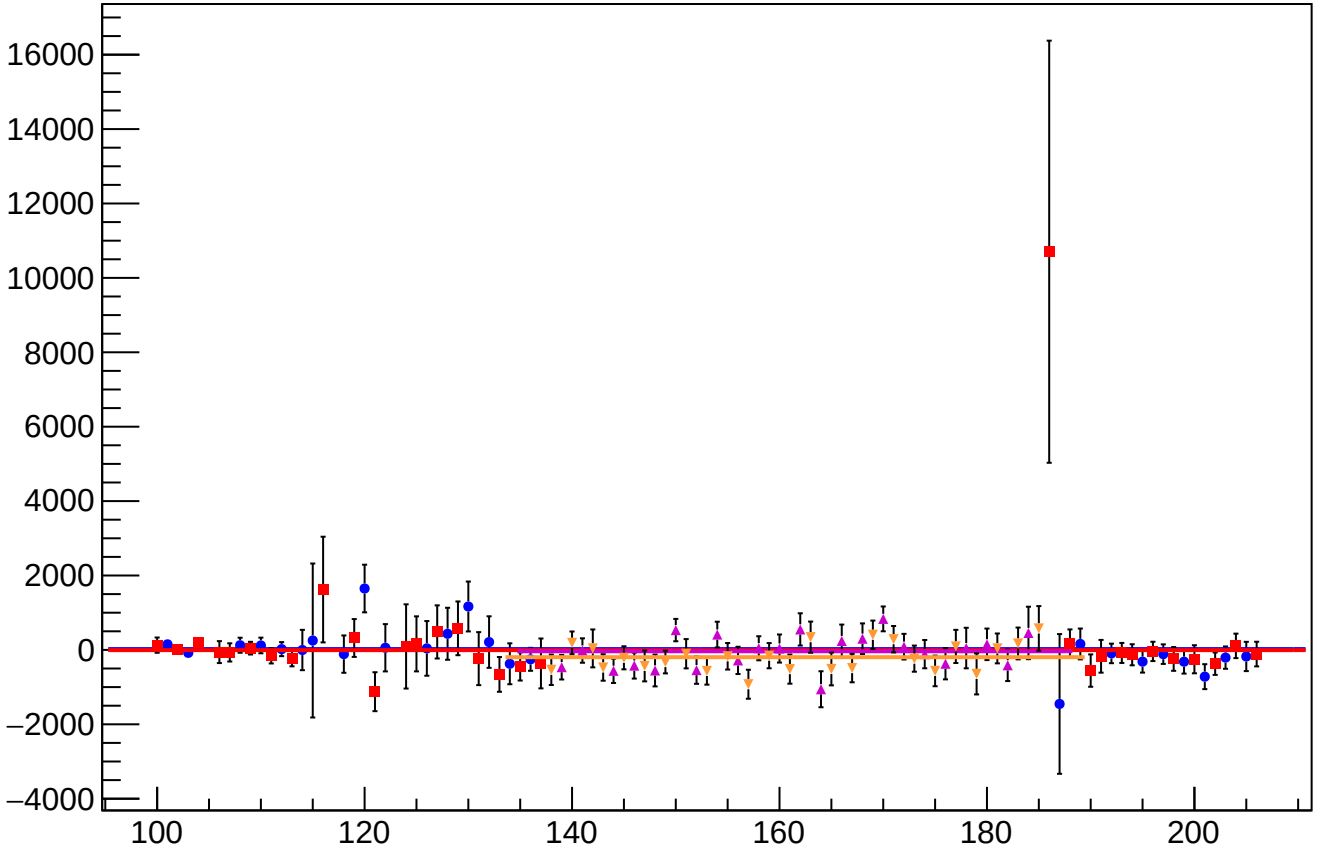
Left In: 63.918+/-0.011 χ^2/NDF:445309.5/22

\+ sign 61.215+/-0.008 χ^2/NDF: 1366188.4/49

All: 61.254+/-0.005 χ^2/NDF: 3580857.0/103

\- sign 61.292+/-0.007 χ^2/NDF: 2214616.4/53

asym_sam_15_avg_eigen_cor_correction_mean vs Slug



Right In: 20.847+/-42.803 χ^2/NDF: 26.0/24

Left Out: -195.942+/-77.088 χ^2/NDF:20.6/24

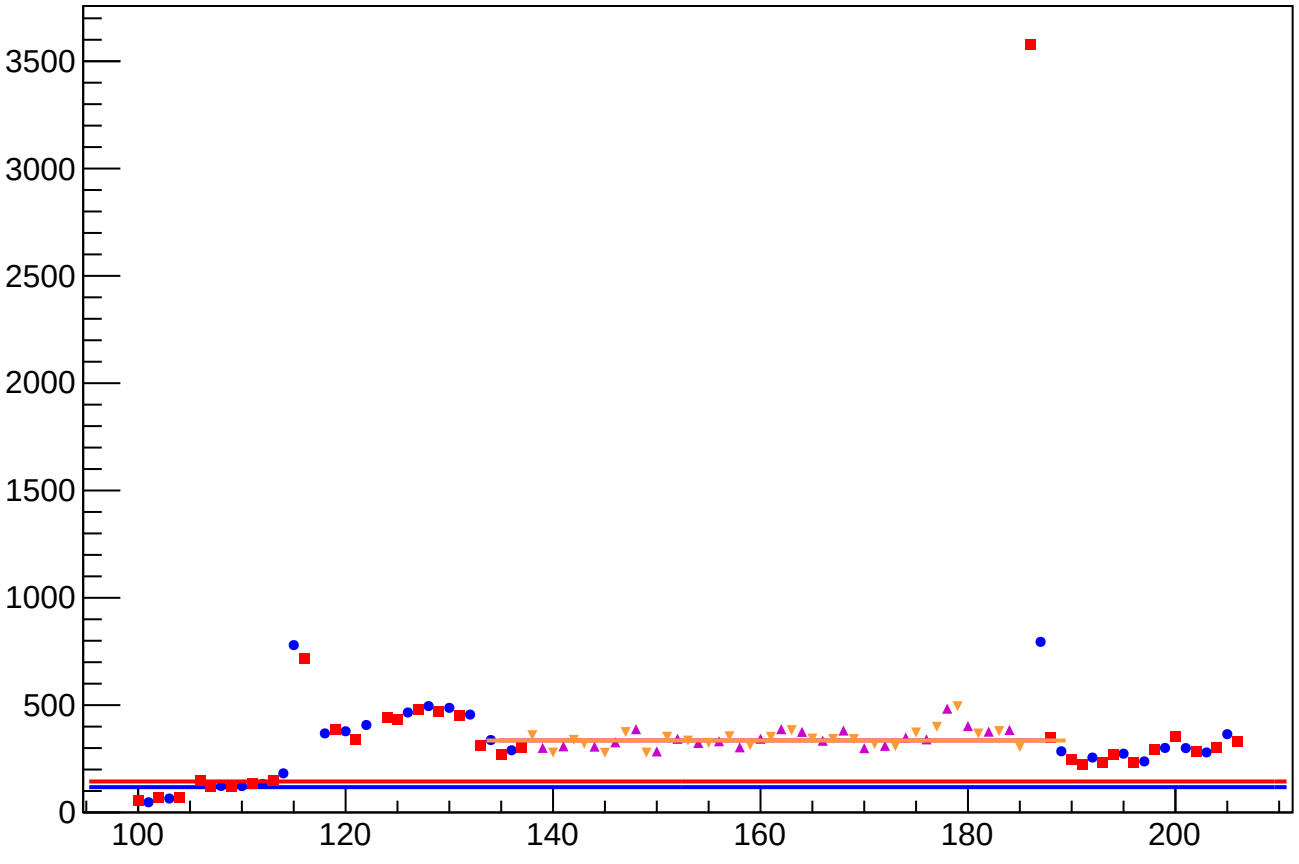
Right Out: -5.836+/-44.666 χ^2/NDF: 27.0/30

Left In: -36.414+/-79.210 χ^2/NDF:31.1/22

+ sign -30.240+/-37.422 χ^2/NDF: 52.6/49

All: -22.058+/-26.971 χ^2/NDF: 110.9/103

- sign -13.214+/-38.907 χ^2/NDF: 58.2/53



Right In: 117.821+/-0.030 χ^2/NDF: 12162951.8/24

Left Out: 335.271+/-0.055 χ^2/NDF:563797.0/24

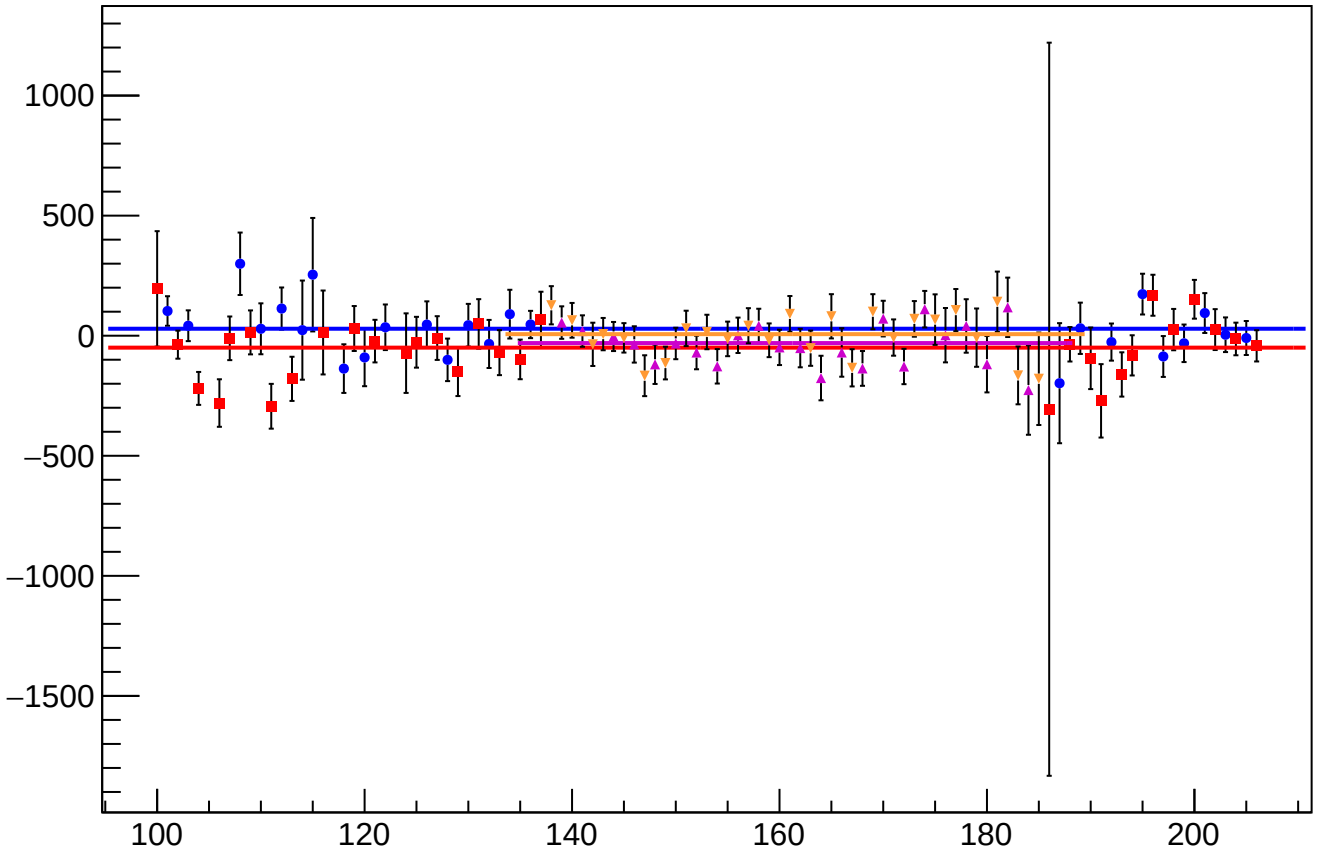
Right Out: 144.372+/-0.032 χ^2/NDF: 11340075.4/30

Left In: 335.526+/-0.056 χ^2/NDF:495170.0/22

+ sign 169.064+/-0.026 χ^2/NDF: 24890373.2/49

All: 179.361+/-0.019 χ^2/NDF: 45878166.5/10

- sign 190.491+/-0.028 χ^2/NDF: 20672700.5/53



Right In: 29.040+/-17.620 χ^2/NDF: 22.1/24

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -49.711+/-16.388 χ^2/NDF: 45.2/30

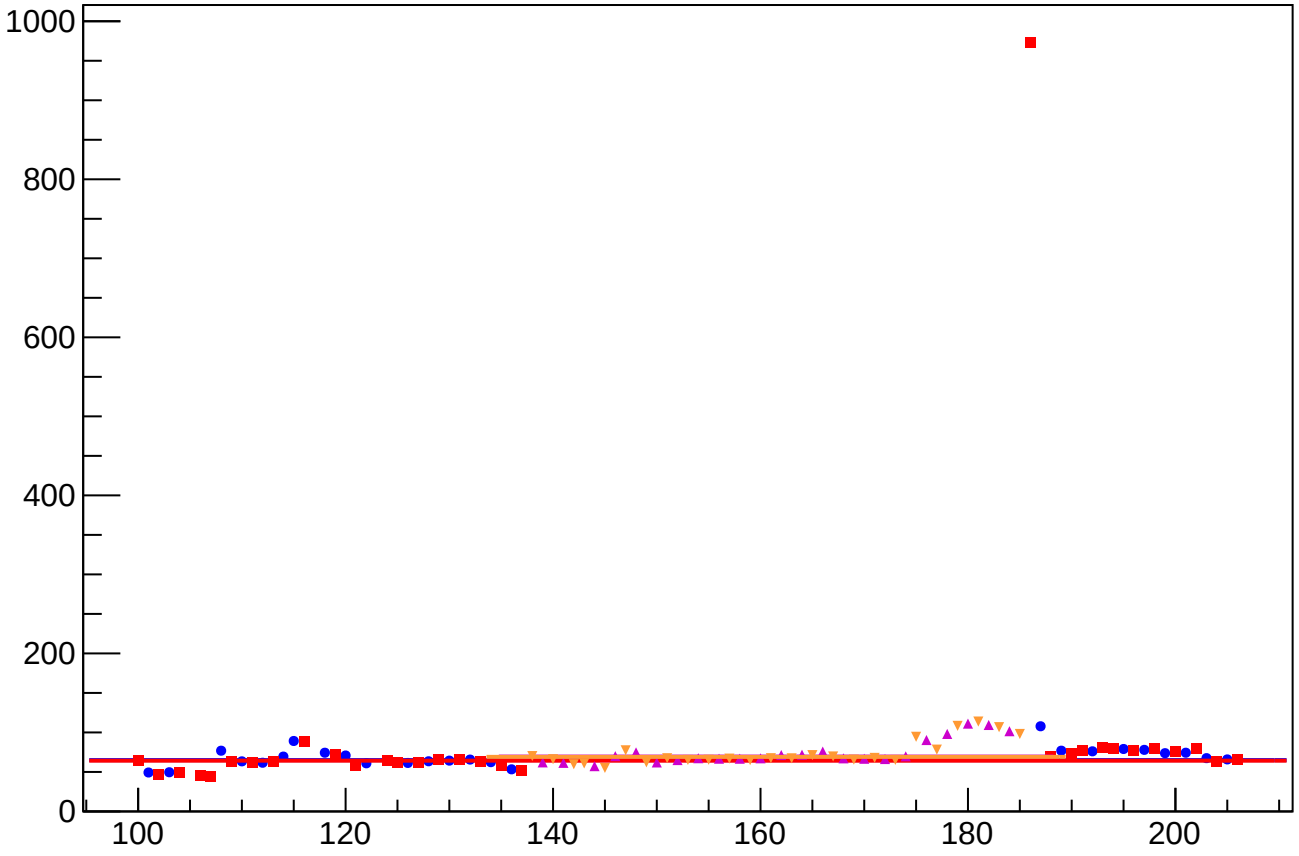
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 16.654+/-11.836 χ^2/NDF: 48.0/49

All: -12.302+/-8.295 χ^2/NDF: 128.1/103

- sign -40.253+/-11.629 χ^2/NDF: 68.3/53

dit_asym_sam_15_avg_rms vs Slug



Right In: 64.977+/-0.012 χ^2/NDF: 681216.9/24

Left Out: 69.078+/-0.011 χ^2/NDF:1074001.6/24

Right Out: 64.276+/-0.012 χ^2/NDF: 1633912.9/30

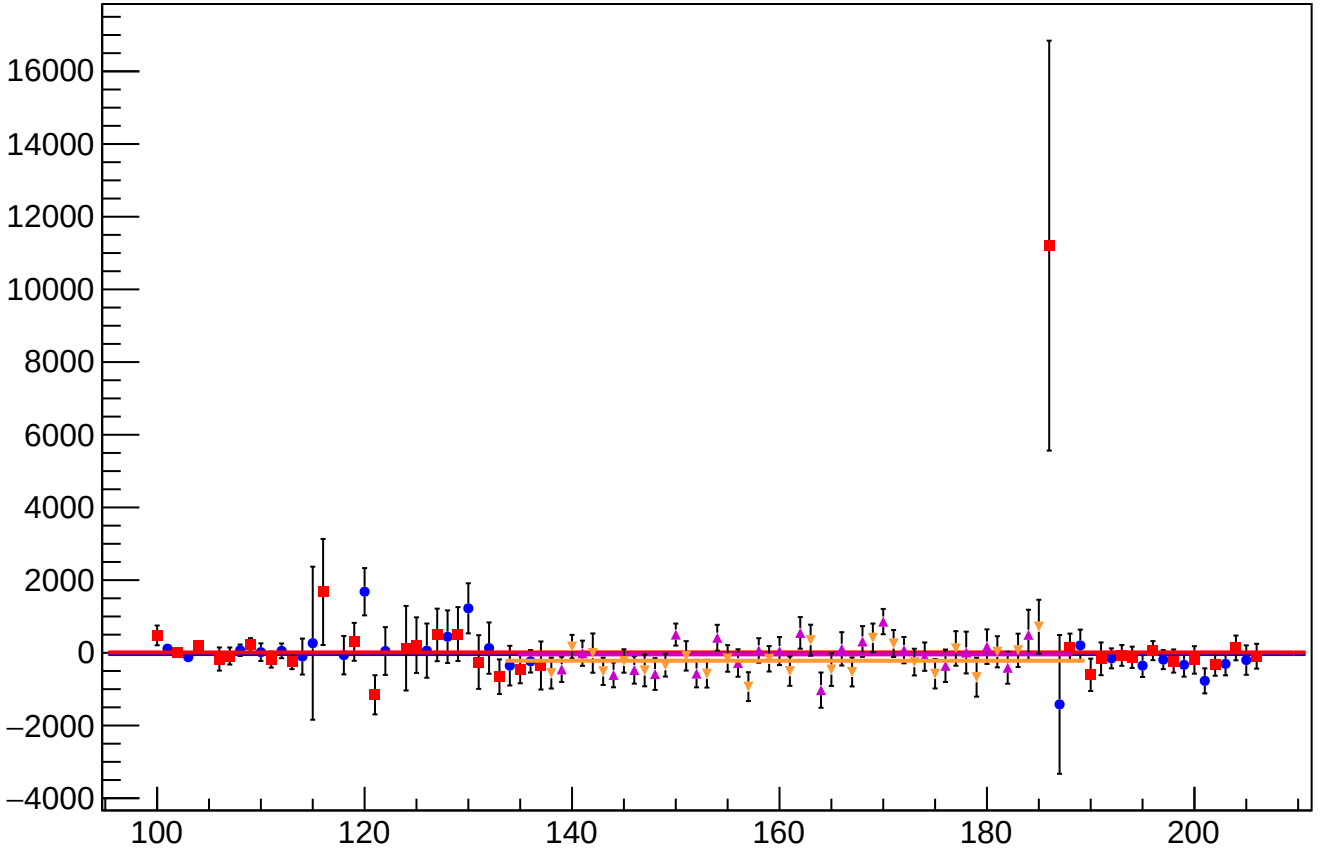
Left In: 69.436+/-0.012 χ^2/NDF:924607.6/22

+ sign 67.228+/-0.008 χ^2/NDF: 1814679.3/49

All: 67.030+/-0.006 χ^2/NDF: 4472755.4/103

- sign 66.838+/-0.008 χ^2/NDF: 2656972.6/53

asym_sam_15_avg_dit_correction_mean vs Slug



Right In: -33.617+/-48.450 χ^2/NDF: 24.4/24

Left Out: -217.349+/-80.133 χ^2/NDF:19.3/24

Right Out: 10.882+/-46.982 χ^2/NDF: 30.6/30

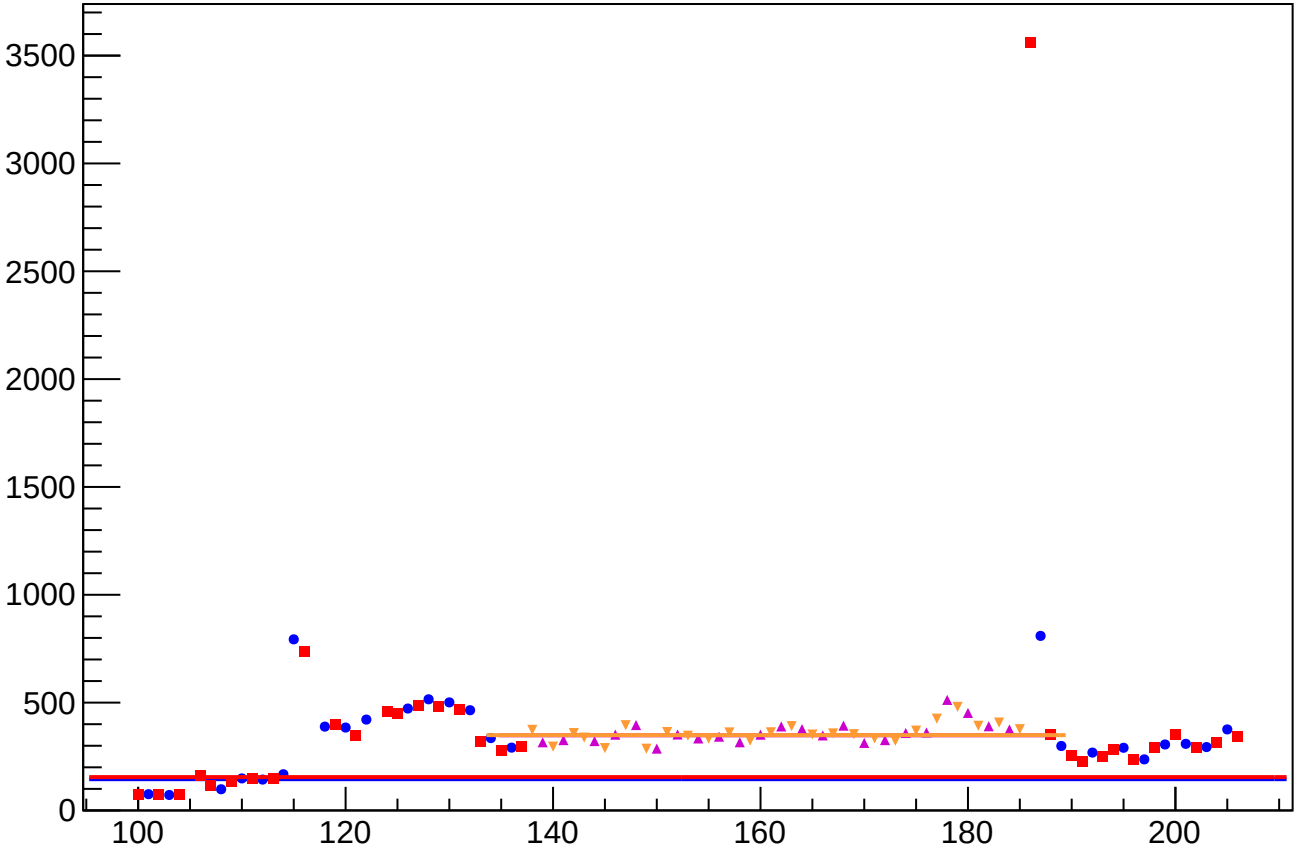
Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

+ sign -82.802+/-41.461 χ^2/NDF: 47.5/49

All: -41.751+/-29.079 χ^2/NDF: 110.3/103

- sign -2.006+/-40.796 χ^2/NDF: 60.9/53

asym_sam_15_avg_dit_correction_rms vs Slug



Right In: 145.039+/-0.034 χ^2/NDF: 9943452.2/24

Left Out: 349.177+/-0.057 χ^2/NDF:524075.5/24

Right Out: 154.582+/-0.033 χ^2/NDF: 10751373.4/30

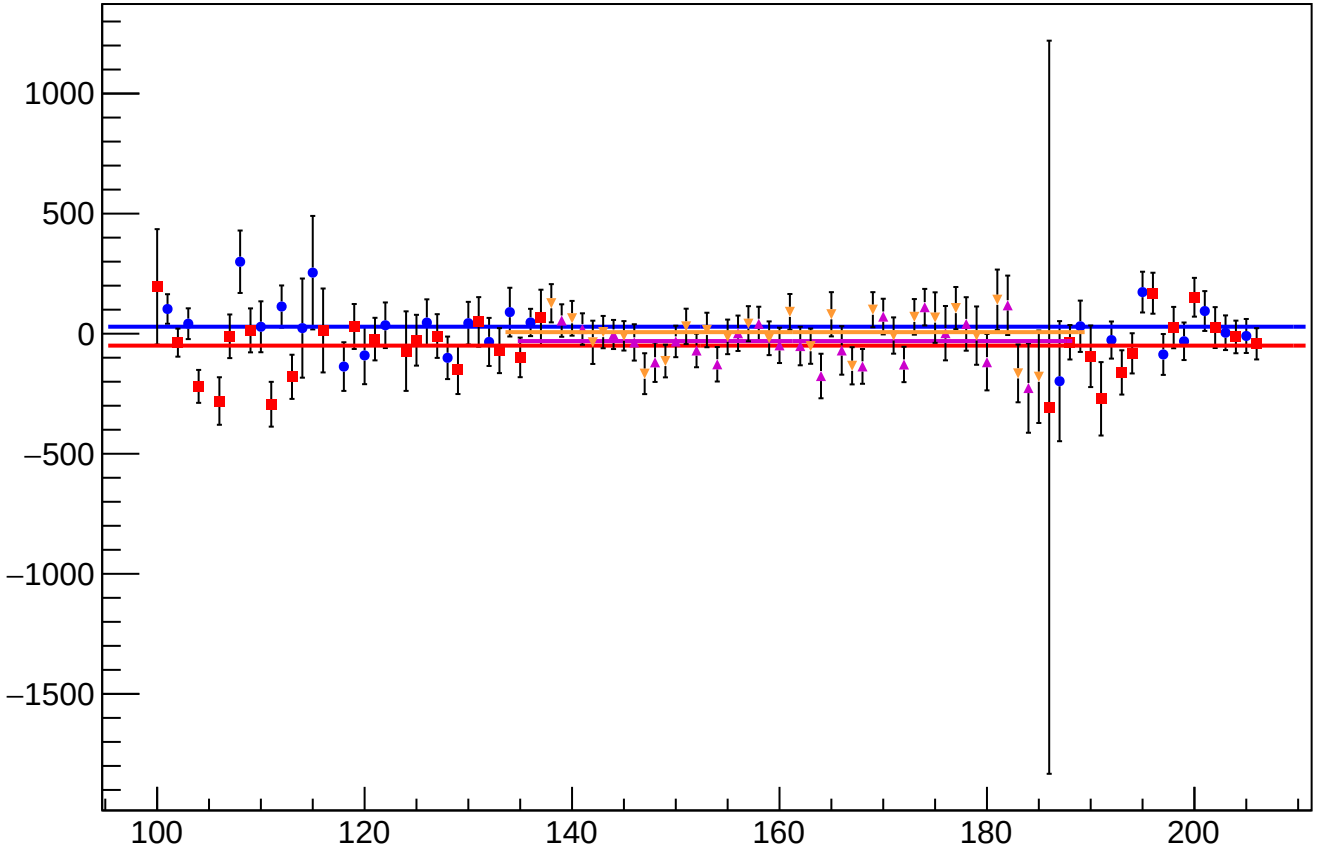
Left In: 348.560+/-0.058 χ^2/NDF:525743.6/22

+ sign 199.686+/-0.029 χ^2/NDF: 19972286.5/49

All: 201.013+/-0.021 χ^2/NDF: 39639895.6/10

- sign 202.297+/-0.029 χ^2/NDF: 19663580.1/53

eigen_dit_asym_sam_15_avg_mean vs Slug



Right In: 29.039+/-17.620 χ^2/NDF: 22.1/24

Left Out: 6.469+/-15.977 χ^2/NDF:25.1/24

Right Out: -49.711+/-16.388 χ^2/NDF: 45.2/30

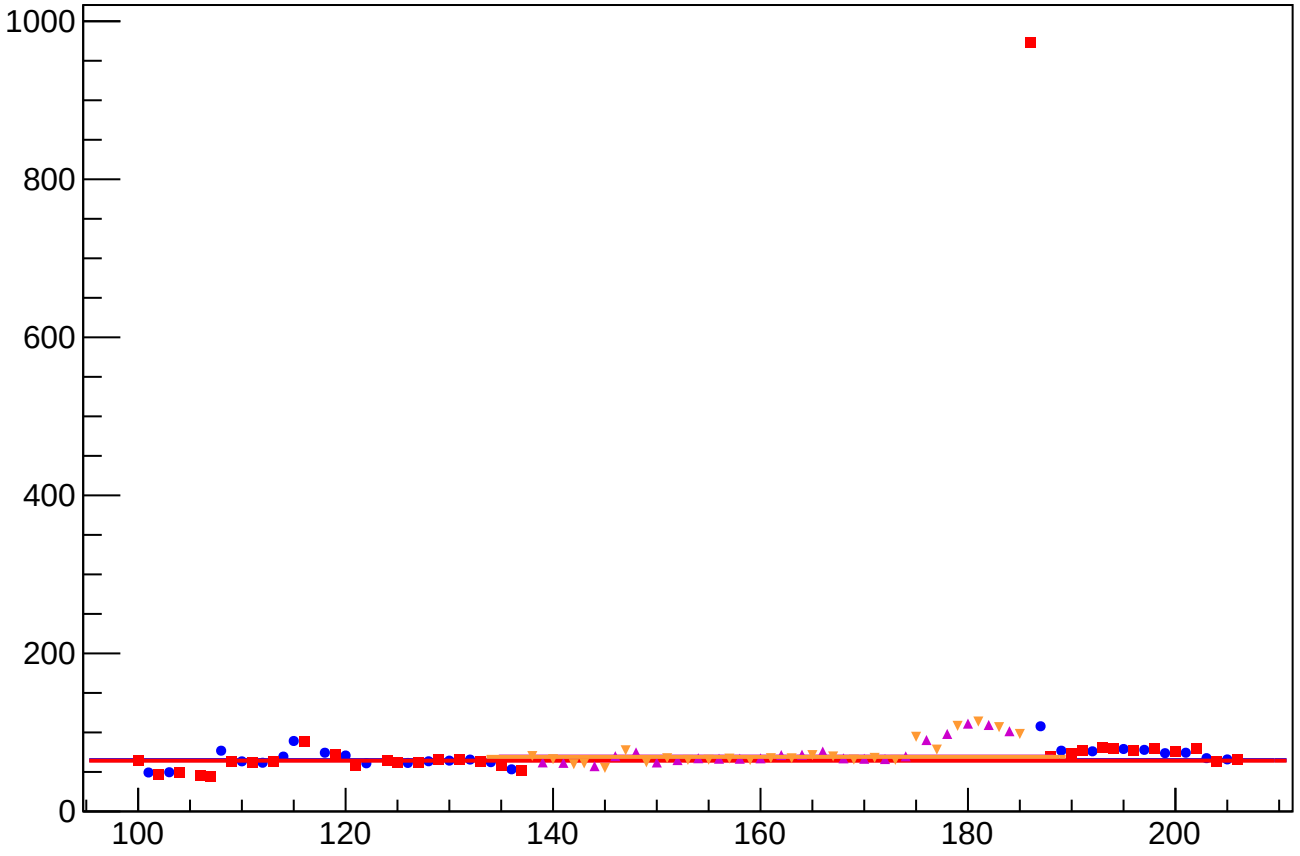
Left In: -30.662+/-16.503 χ^2/NDF:22.5/22

+ sign 16.654+/-11.836 χ^2/NDF: 48.0/49

All: -12.302+/-8.295 χ^2/NDF: 128.1/103

- sign -40.253+/-11.629 χ^2/NDF: 68.3/53

eigen_dit_asym_sam_15_avg_rms vs Slug



Right In: 64.977+/-0.012 χ^2/NDF: 681217.1/24

Left Out: 69.079+/-0.011 χ^2/NDF:1073983.7/24

Right Out: 64.276+/-0.012 χ^2/NDF: 1633912.7/30

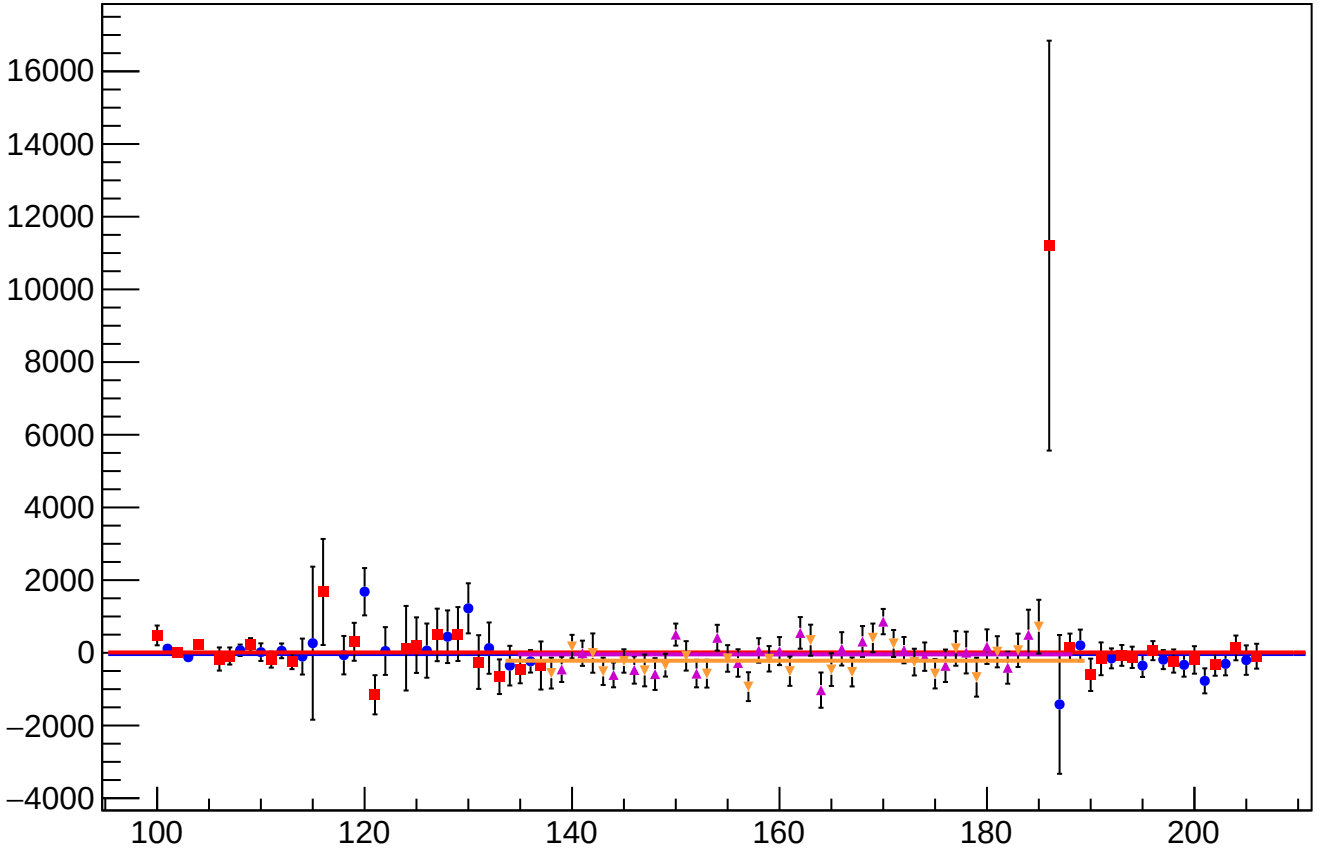
Left In: 69.436+/-0.012 χ^2/NDF:924591.6/22

+ sign 67.228+/-0.008 χ^2/NDF: 1814666.4/49

All: 67.030+/-0.006 χ^2/NDF: 4472735.0/103

- sign 66.838+/-0.008 χ^2/NDF: 2656965.1/53

asym_sam_15_avg_eigen_dit_correction_mean vs Slug



Right In: -33.617+/-48.449 χ^2/NDF: 24.4/24

Left Out: -217.348+/-80.133 χ^2/NDF:19.3/24

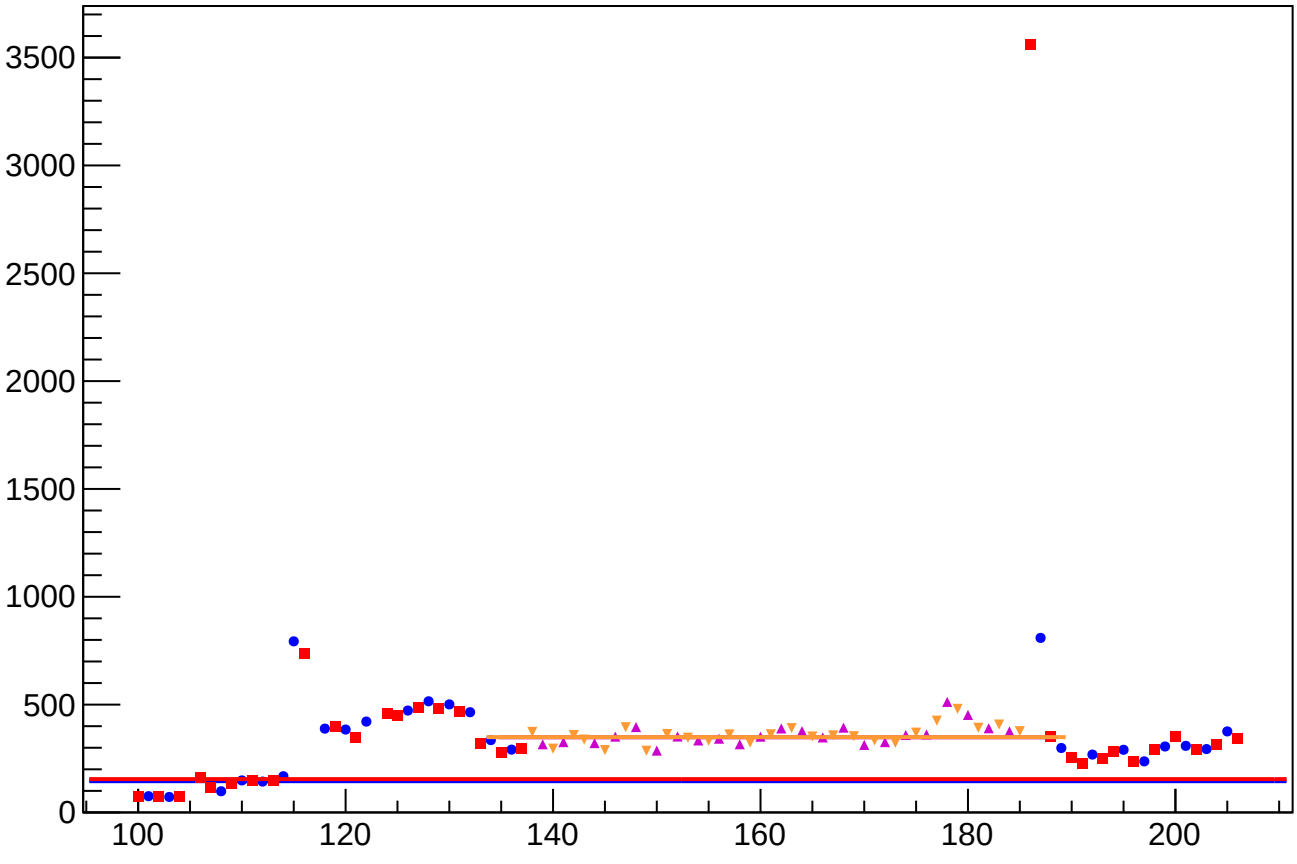
Right Out: 10.882+/-46.981 χ^2/NDF: 30.6/30

Left In: -41.512+/-82.256 χ^2/NDF:30.0/22

\+ sign -82.801+/-41.461 χ^2/NDF: 47.5/49

All: -41.751+/-29.079 χ^2/NDF: 110.3/103

\- sign -2.006+/-40.796 χ^2/NDF: 60.9/53



Right In: 145.039+/-0.034 χ^2/NDF: 9943467.4/24

Left Out: 349.177+/-0.057 χ^2/NDF:524067.1/24

Right Out: 154.582+/-0.033 χ^2/NDF: 10751417.3/30

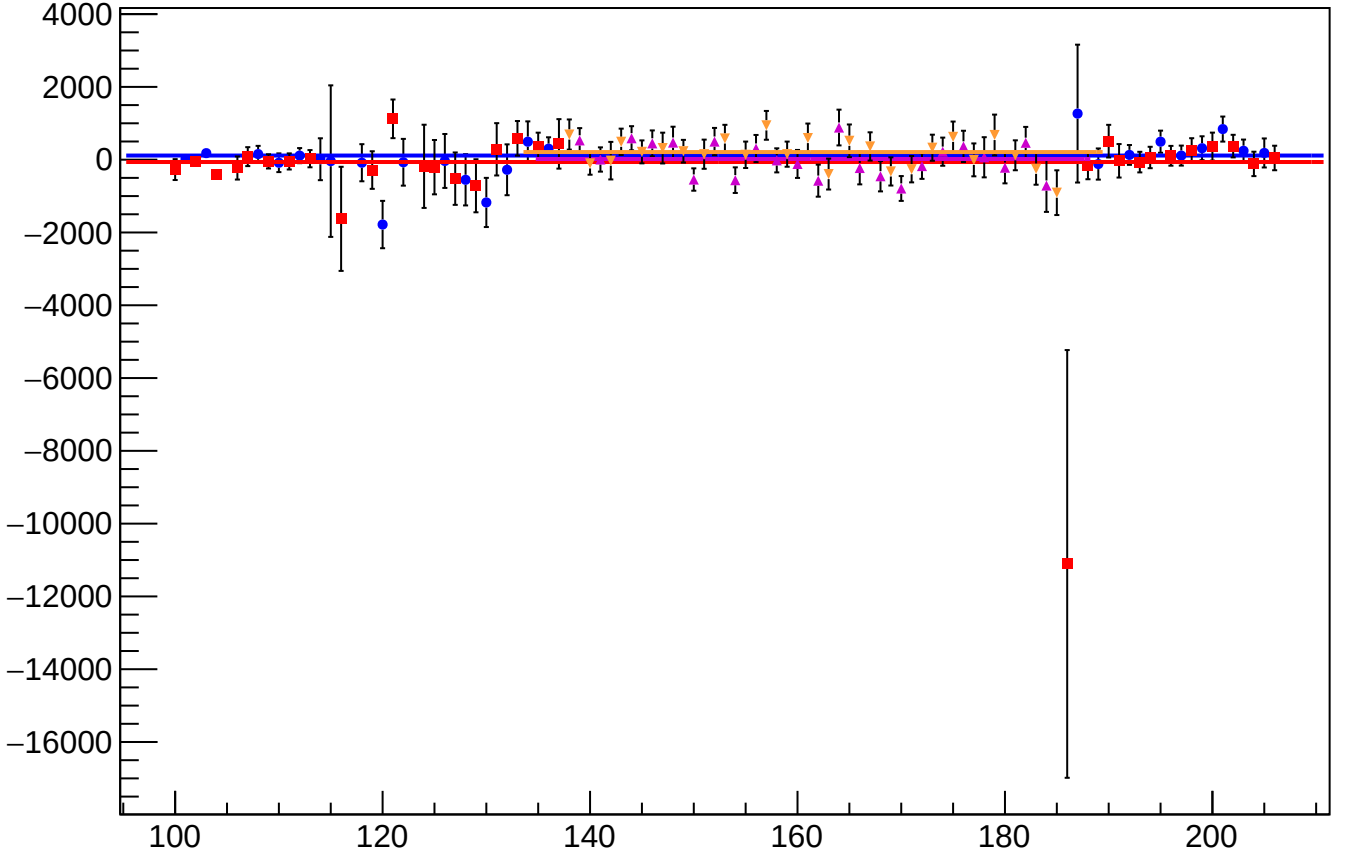
Left In: 348.560+/-0.058 χ^2/NDF:525736.6/22

+ sign 199.686+/-0.029 χ^2/NDF: 19972358.0/49

All: 201.012+/-0.021 χ^2/NDF: 39640080.4/10

- sign 202.296+/-0.029 χ^2/NDF: 19663693.8/53

asym_sam_15_avg_mean vs Slug



Right In: 113.928+/-52.450 χ^2/NDF: 23.7/24

Left Out: 209.819+/-78.511 χ^2/NDF:21.4/24

Right Out: -63.764+/-50.229 χ^2/NDF: 32.2/30

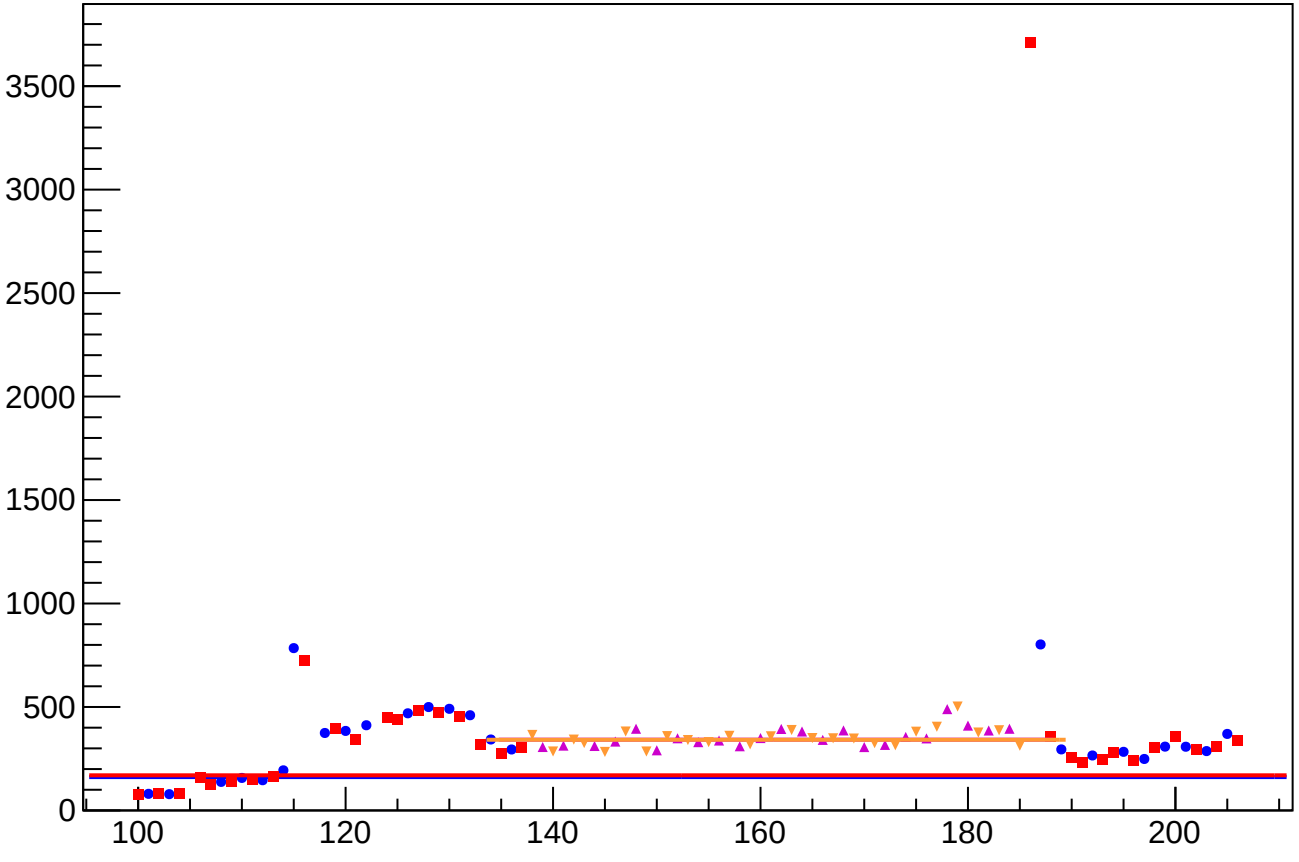
Left In: 18.738+/-80.699 χ^2/NDF:32.0/22

+ sign 143.519+/-43.613 χ^2/NDF: 46.1/49

All: 49.325+/-30.490 χ^2/NDF: 120.2/103

- sign -40.727+/-42.643 χ^2/NDF: 64.9/53

asym_sam_15_avg_rms vs Slug



Right In: 161.294+/-0.037 χ^2/NDF: 8813720.8/24

Left Out: 341.585+/-0.056 χ^2/NDF:554287.8/24

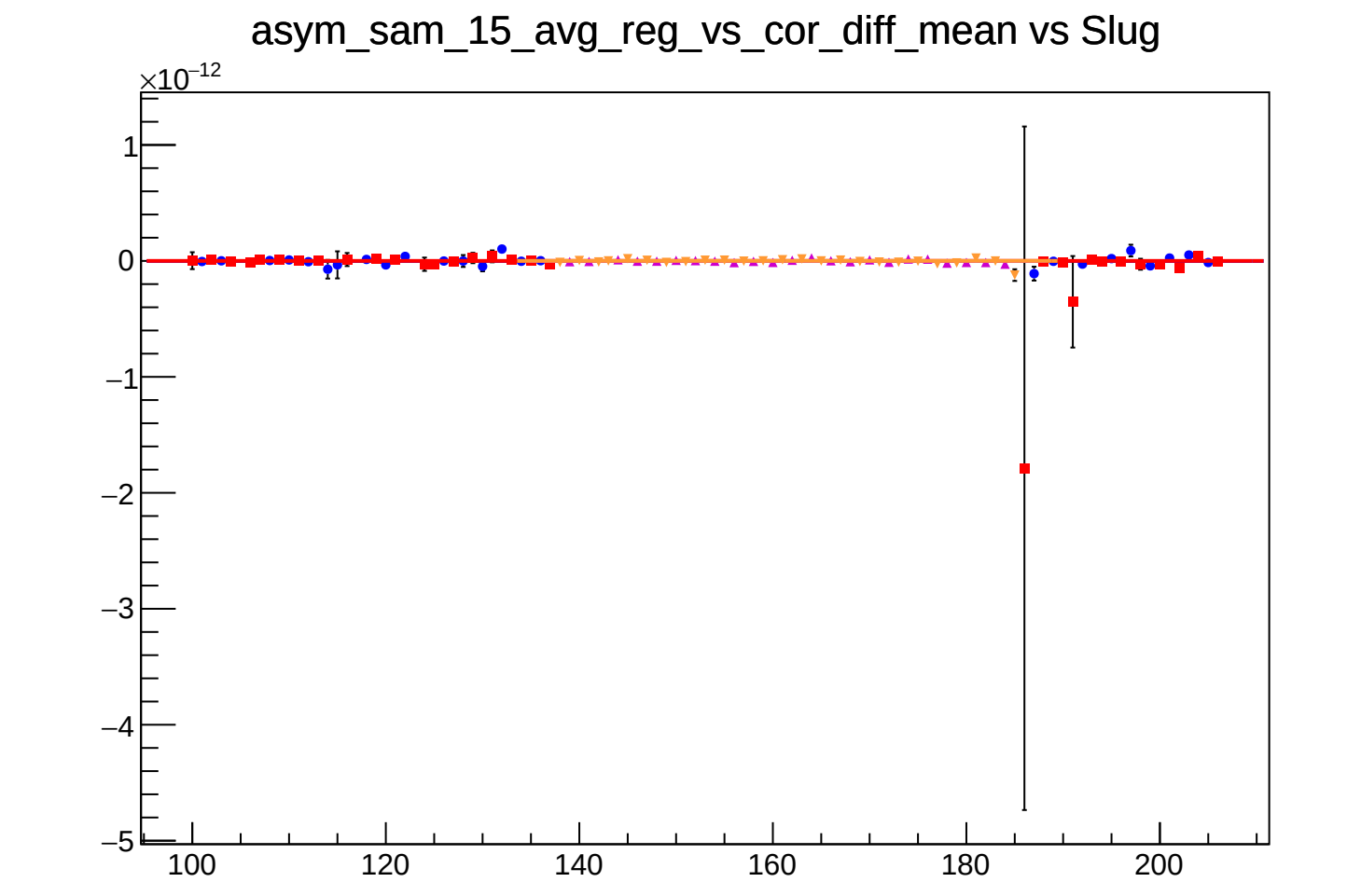
Right Out: 169.833+/-0.036 χ^2/NDF: 9468328.9/30

Left In: 341.943+/-0.057 χ^2/NDF:485509.1/22

+ sign 216.929+/-0.031 χ^2/NDF: 16660076.9/49

All: 217.421+/-0.022 χ^2/NDF: 33171324.0/10

- sign 217.891+/-0.030 χ^2/NDF: 16510748.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 34.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.4/30

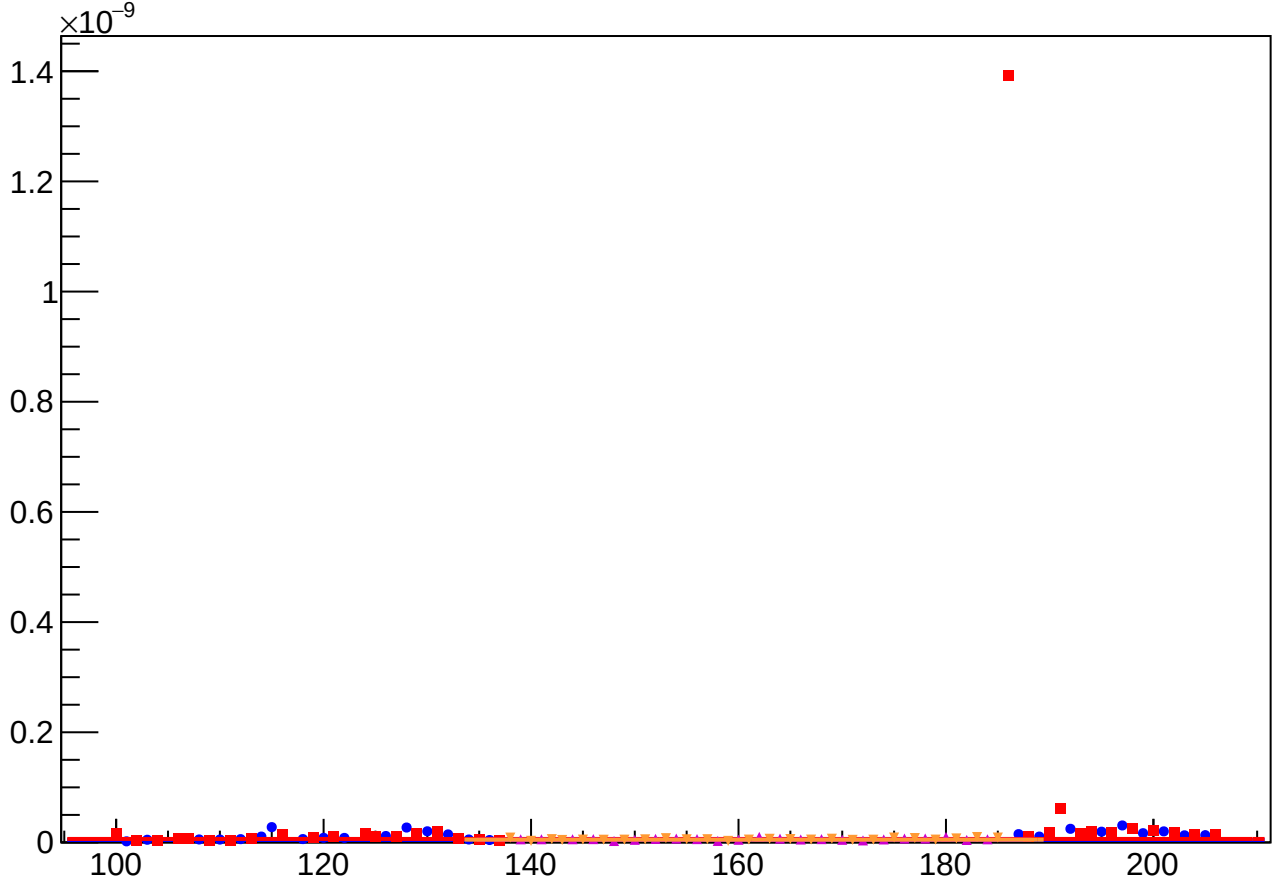
Left In: -0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.0/49

All: -0.000+/-0.000 χ^2/NDF: 105.0/103

- sign -0.000+/-0.000 χ^2/NDF: 42.0/53

asym_sam_15_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 5615120.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:1294137.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4963710.6/30

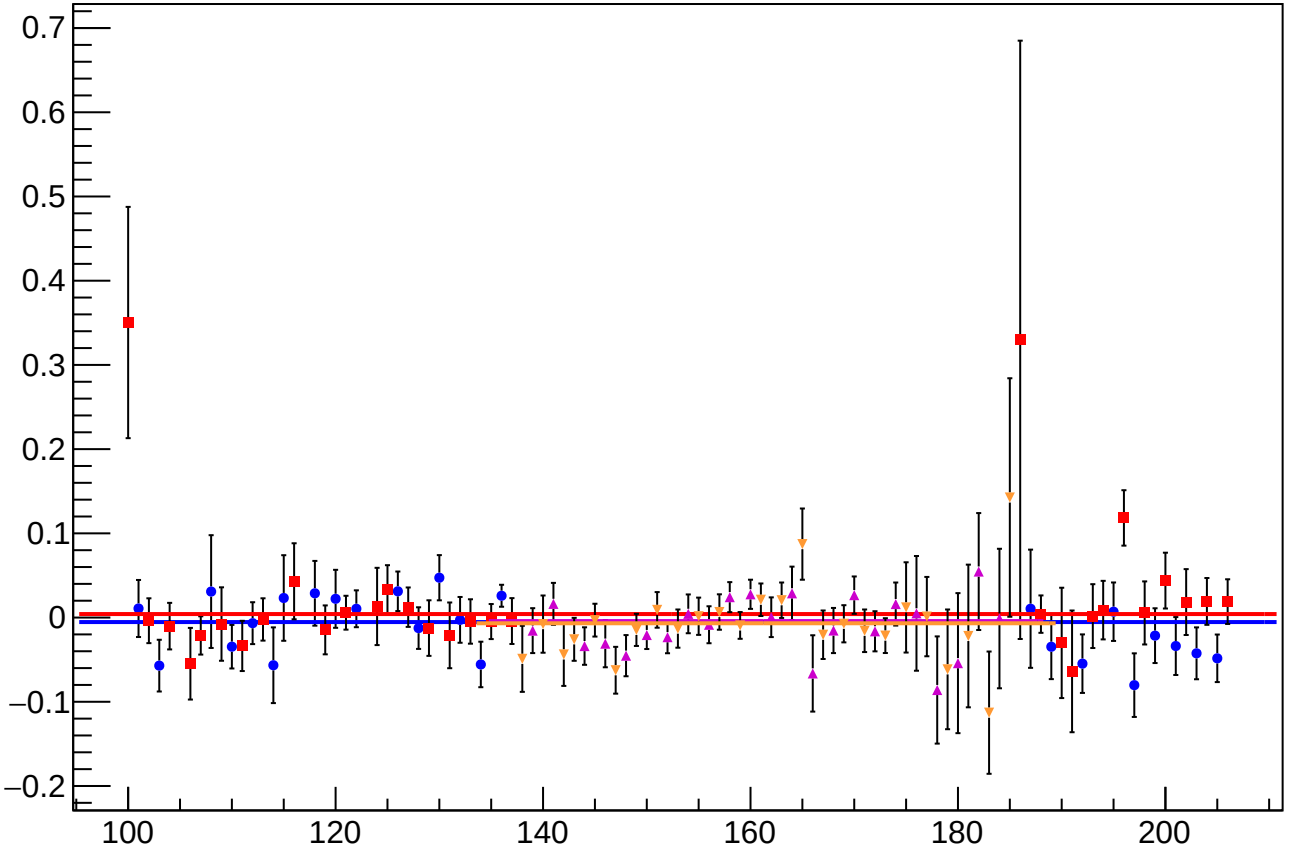
Left In: 0.000+/-0.000 χ^2/NDF:1225248.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 6972937.1/49

All: 0.000+/-0.000 χ^2/NDF: 13593585.6/103

- sign 0.000+/-0.000 χ^2/NDF: 6474510.5/53

asym_sam_15_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.004+/-0.006 χ^2/NDF: 31.2/30

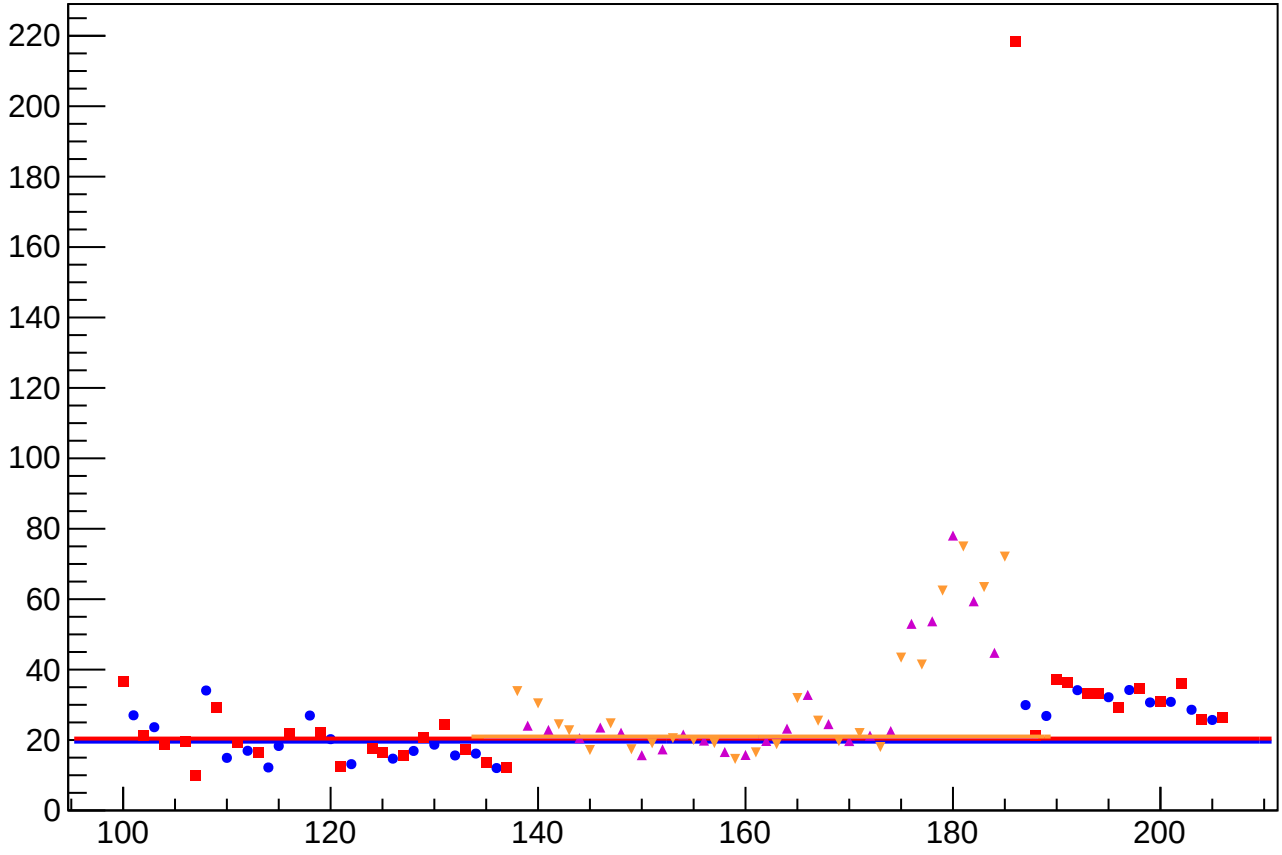
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/49

All: -0.003+/-0.003 χ^2/NDF: 113.8/103

- sign -0.000+/-0.004 χ^2/NDF: 55.6/53

asym_sam_15_avg_dit_vs_cor_diff_rms vs Slug



Right In: 19.545+/-0.004 χ^2/NDF: 3210927.3/24

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

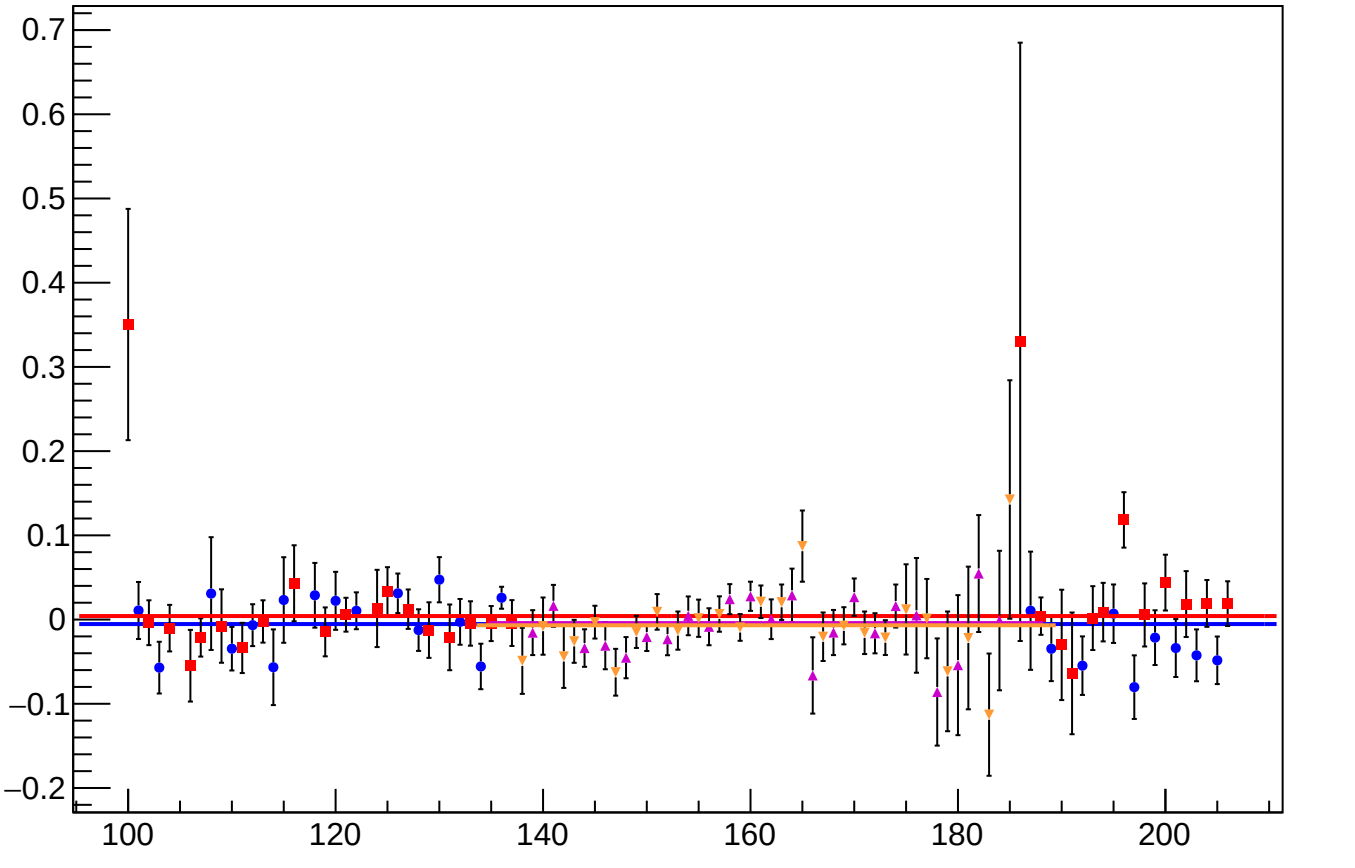
Right Out: 20.411+/-0.004 χ^2/NDF: 3946198.1/30

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.331+/-0.003 χ^2/NDF: 7746836.8/49

All: 20.491+/-0.002 χ^2/NDF: 15241916.8/103

- sign 20.650+/-0.003 χ^2/NDF: 7488191.9/53



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

Right Out: 0.004+/-0.006 χ^2/NDF: 31.2/30

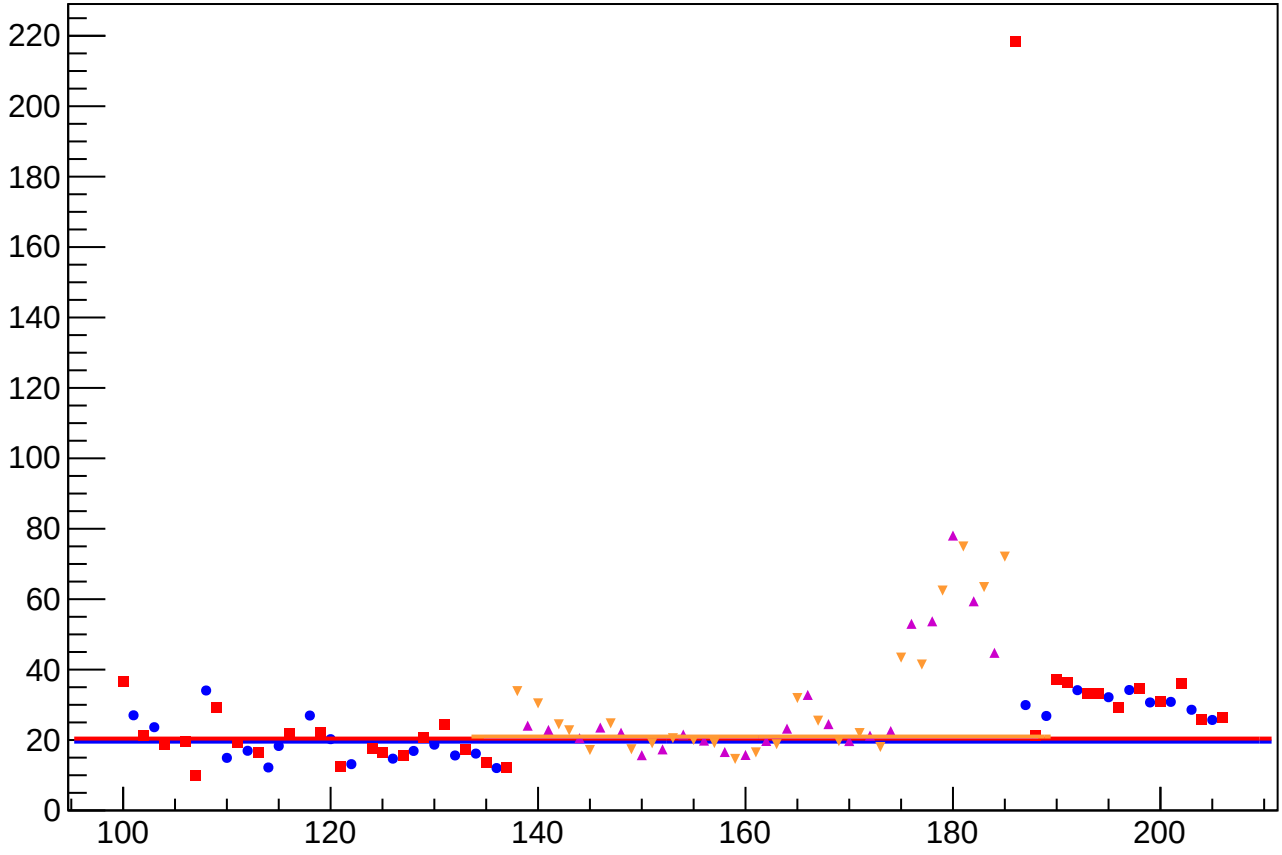
Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/49

All: -0.003+/-0.003 χ^2/NDF: 113.8/103

- sign -0.000+/-0.004 χ^2/NDF: 55.6/53

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 19.545+/-0.004 χ^2/NDF: 3210927.3/24

Left Out: 20.981+/-0.004 χ^2/NDF:4467011.5/24

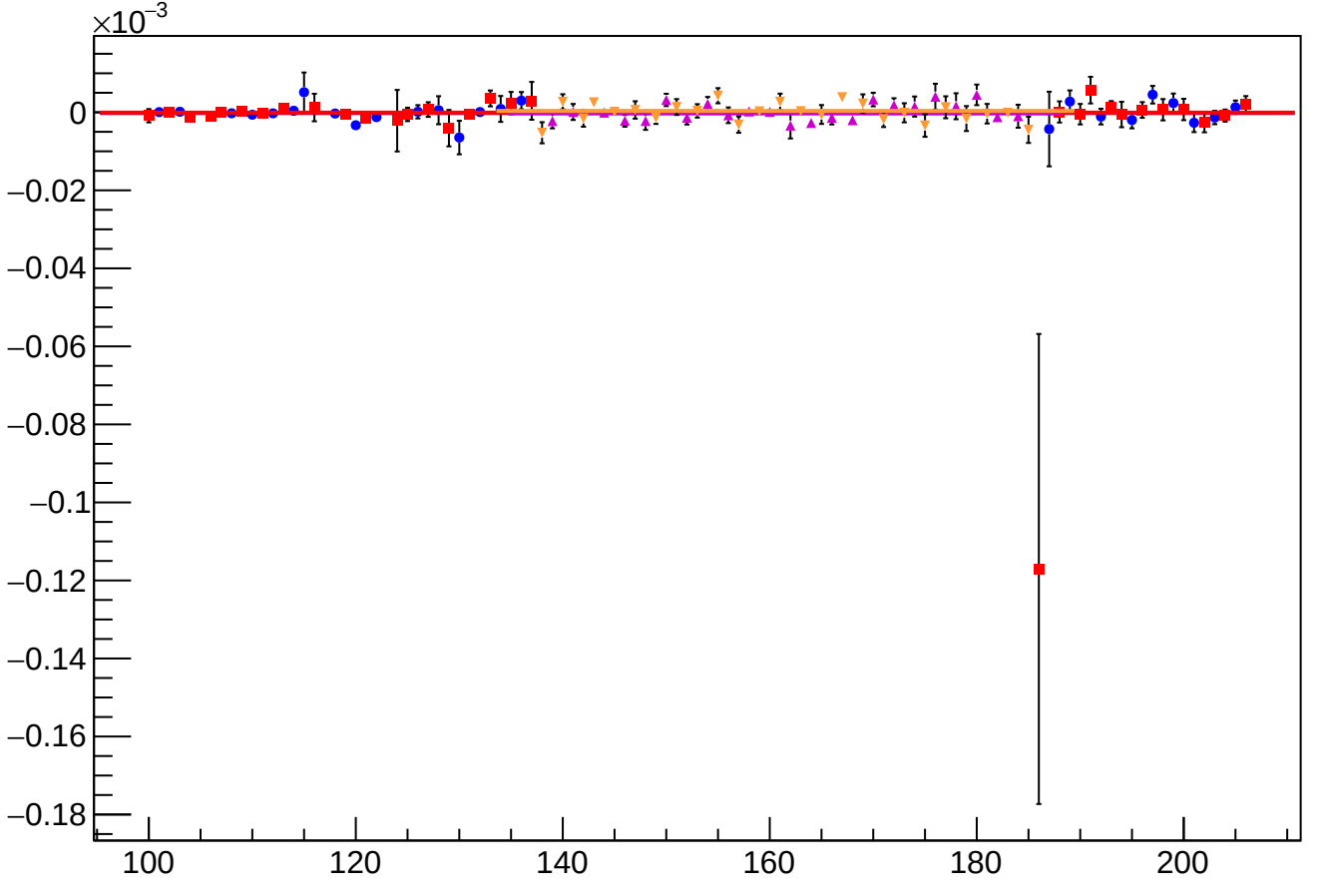
Right Out: 20.411+/-0.004 χ^2/NDF: 3946198.1/30

Left In: 20.868+/-0.004 χ^2/NDF:3534877.7/22

+ sign 20.331+/-0.003 χ^2/NDF: 7746836.8/49

All: 20.491+/-0.002 χ^2/NDF: 15241916.8/103

- sign 20.650+/-0.003 χ^2/NDF: 7488191.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.2/24

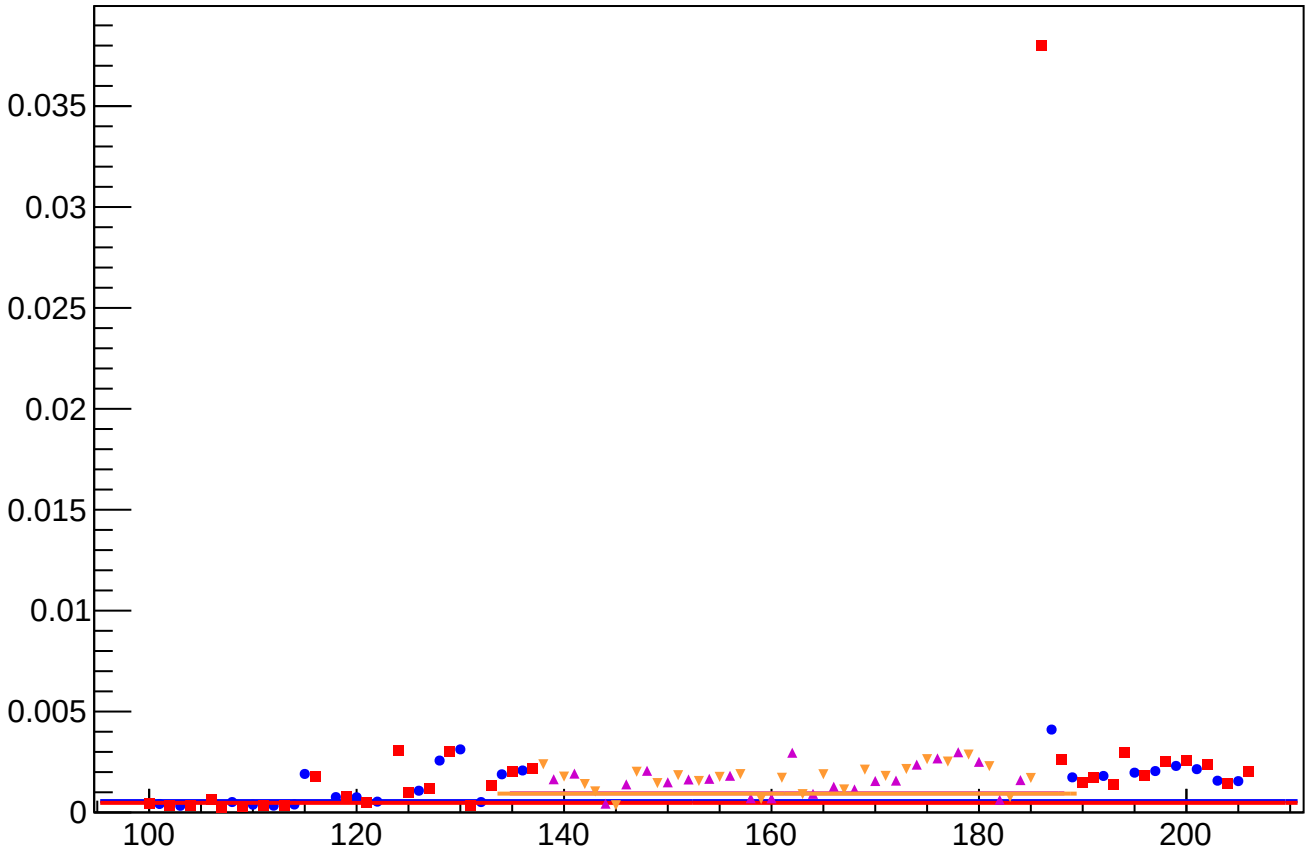
Right Out: -0.000+/-0.000 χ^2/NDF: 30.3/30

Left In: -0.000+/-0.000 χ^2/NDF:31.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.3/49

All: -0.000+/-0.000 χ^2/NDF: 124.1/103

- sign -0.000+/-0.000 χ^2/NDF: 62.3/53



Right In: 0.001+/-0.000 χ^2/NDF: 10853311.9/24

Left Out: 0.001+/-0.000 χ^2/NDF:11996378.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 15204140.5/30

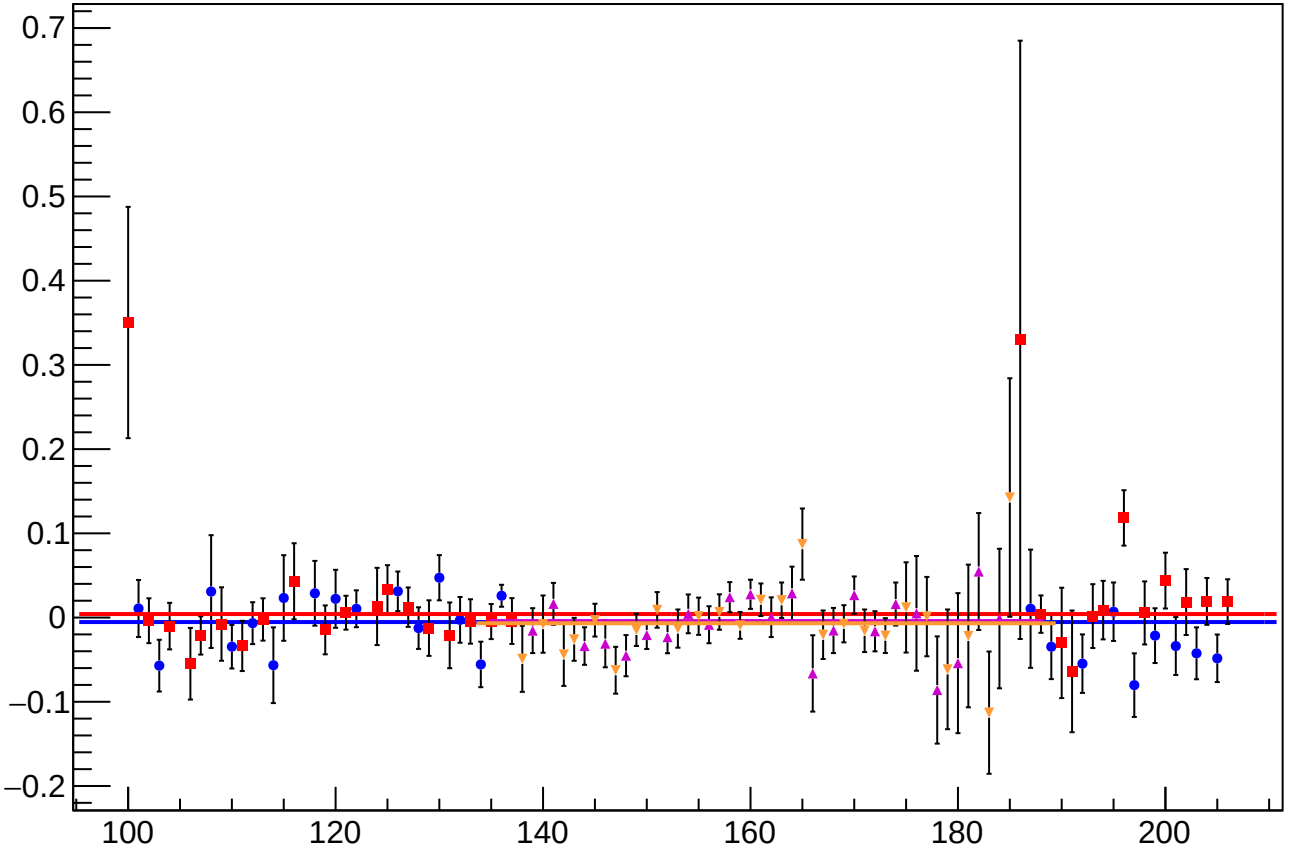
Left In: 0.001+/-0.000 χ^2/NDF:9470540.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 25374206.9/49

All: 0.001+/-0.000 χ^2/NDF: 54975738.0/103

- sign 0.001+/-0.000 χ^2/NDF: 29258448.0/53

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

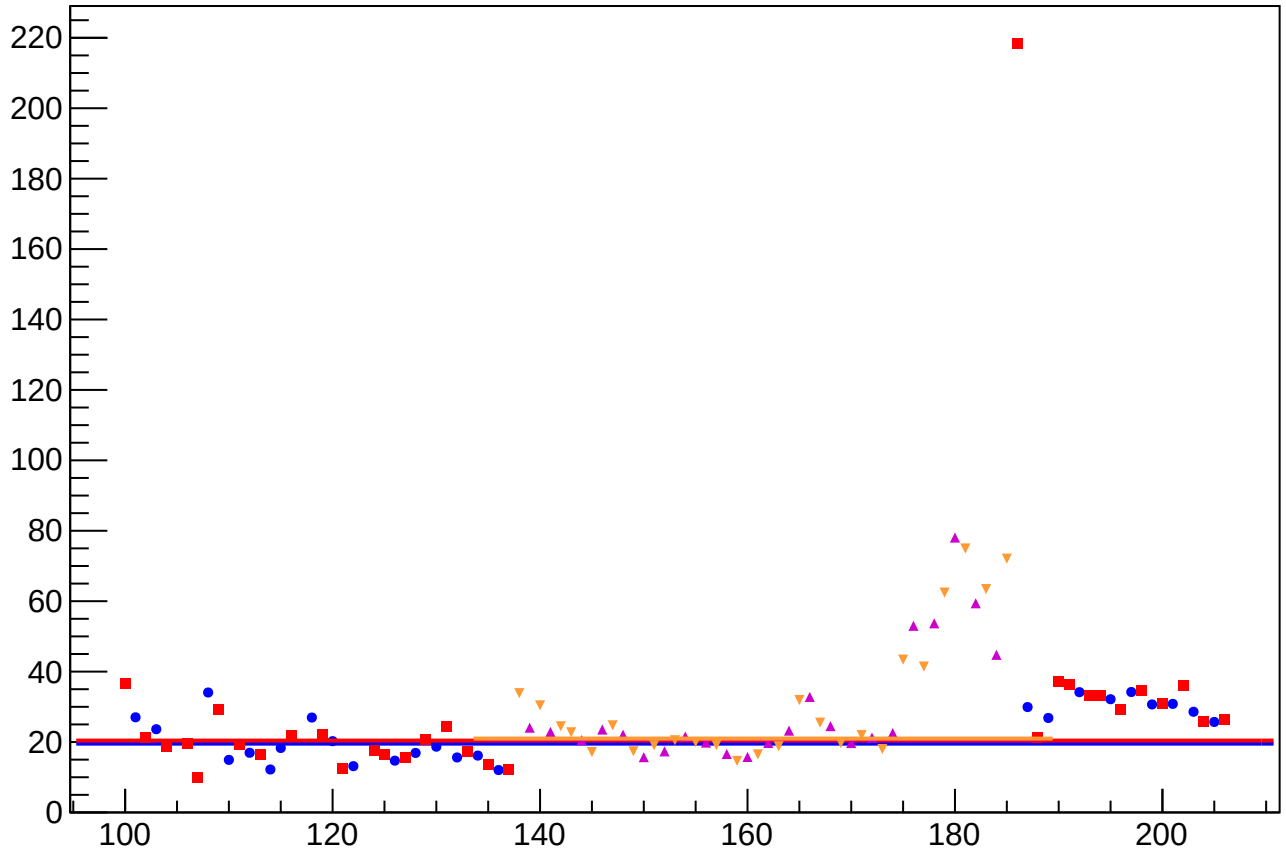
Right Out: 0.004+/-0.006 χ^2/NDF: 31.2/30

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/49

All: -0.003+/-0.003 χ^2/NDF: 113.8/103

- sign -0.000+/-0.004 χ^2/NDF: 55.6/53



Right In: 19.545+/-0.004 χ^2/NDF: 3210943.9/24

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

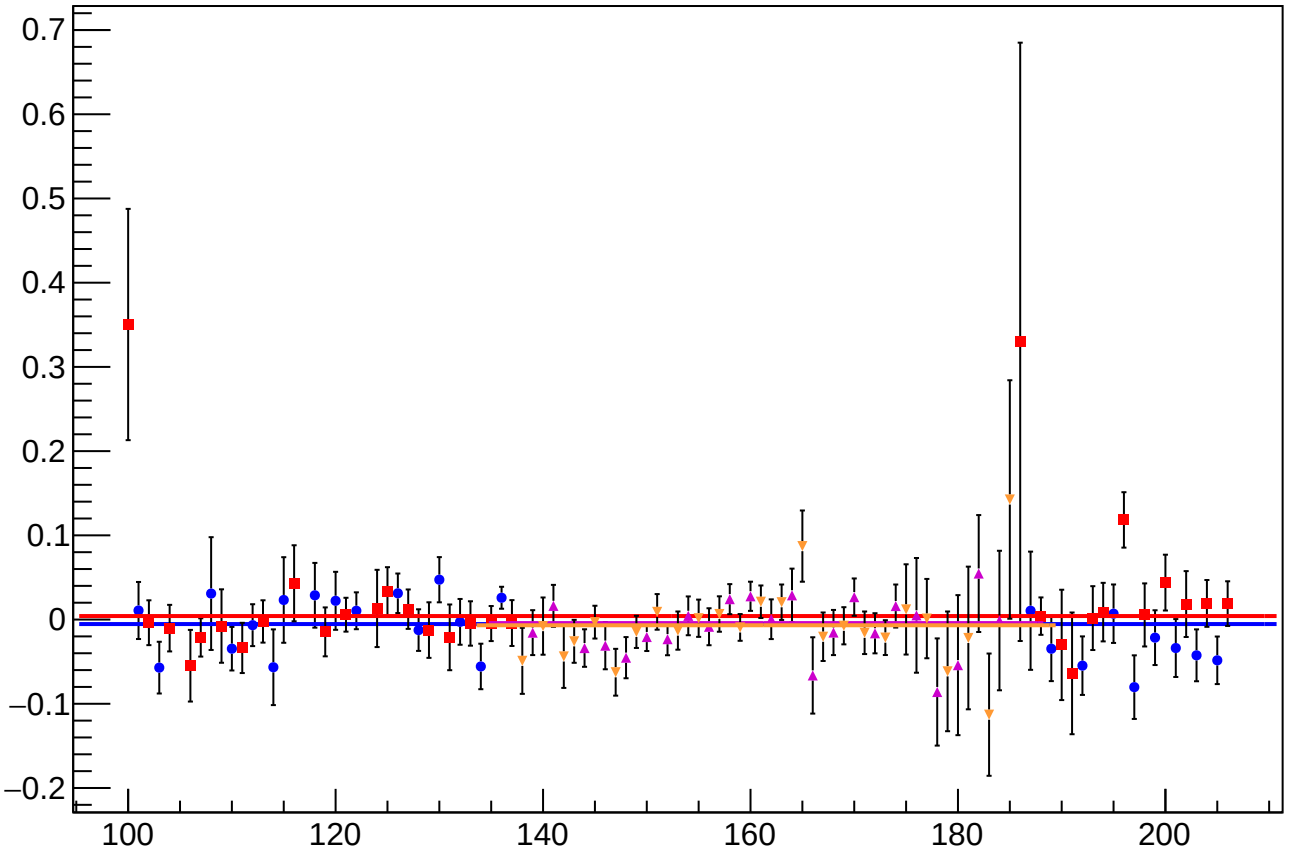
Right Out: 20.411+/-0.004 χ^2/NDF: 3946223.0/30

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.331+/-0.003 χ^2/NDF: 7746858.5/49

All: 20.491+/-0.002 χ^2/NDF: 15242016.6/103

- sign 20.649+/-0.003 χ^2/NDF: 7488273.0/53



Right In: -0.005+/-0.006 χ^2/NDF: 35.2/24

Left Out: -0.007+/-0.005 χ^2/NDF:21.8/24

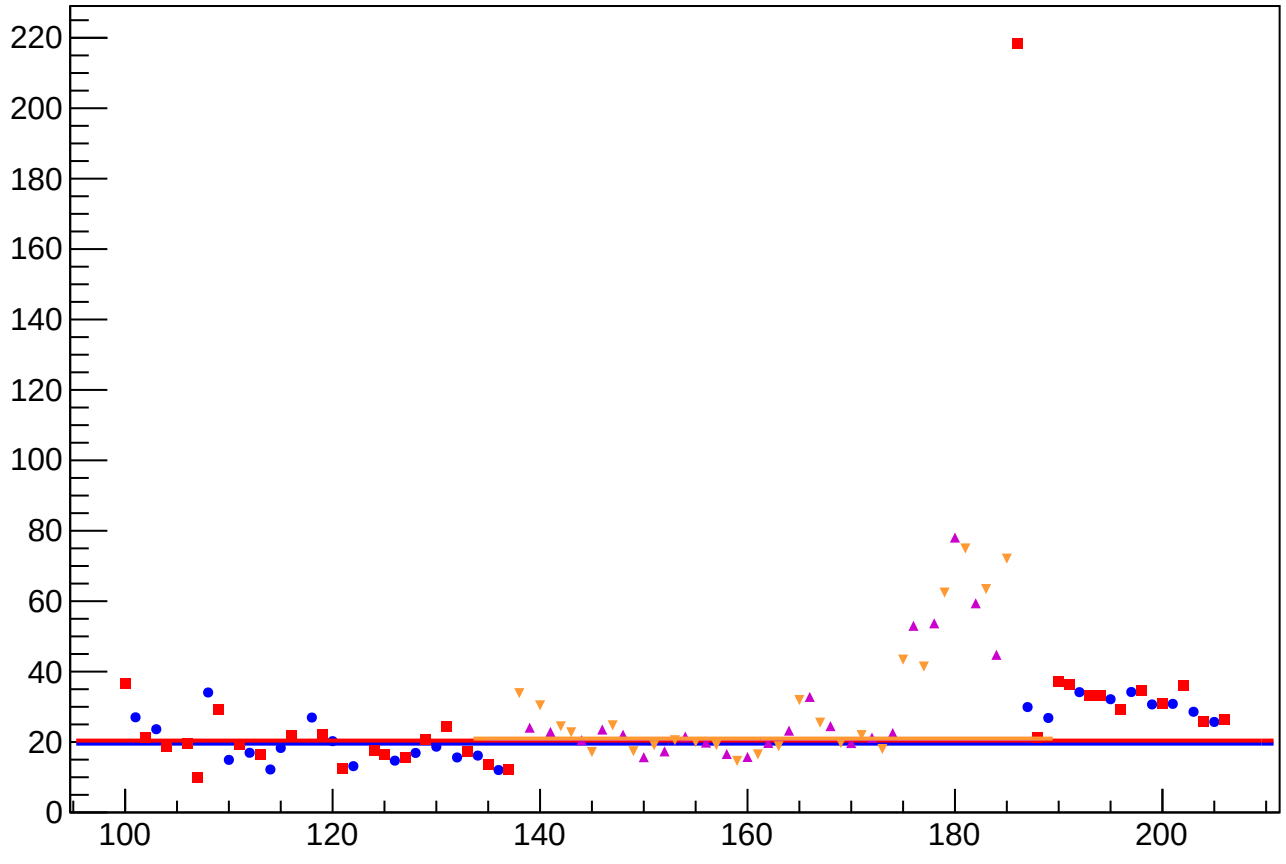
Right Out: 0.004+/-0.006 χ^2/NDF: 31.2/30

Left In: -0.004+/-0.005 χ^2/NDF:23.2/22

+ sign -0.006+/-0.004 χ^2/NDF: 57.0/49

All: -0.003+/-0.003 χ^2/NDF: 113.8/103

- sign -0.000+/-0.004 χ^2/NDF: 55.6/53



Right In: 19.545+/-0.004 χ^2/NDF: 3210943.9/24

Left Out: 20.981+/-0.004 χ^2/NDF:4466984.6/24

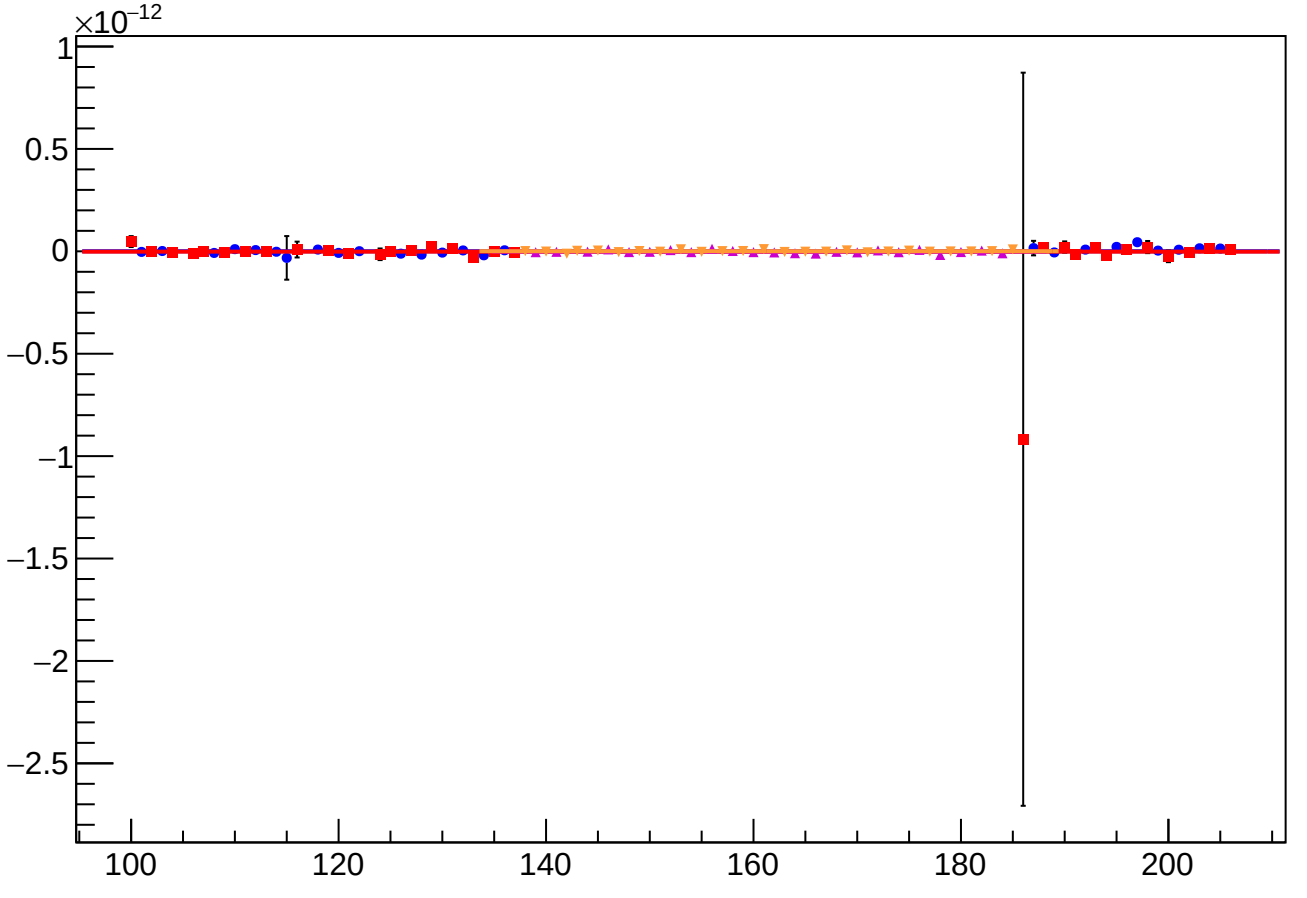
Right Out: 20.411+/-0.004 χ^2/NDF: 3946223.0/30

Left In: 20.868+/-0.004 χ^2/NDF:3534923.5/22

+ sign 20.331+/-0.003 χ^2/NDF: 7746858.5/49

All: 20.491+/-0.002 χ^2/NDF: 15242016.6/103

- sign 20.649+/-0.003 χ^2/NDF: 7488273.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 21.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:14.6/24

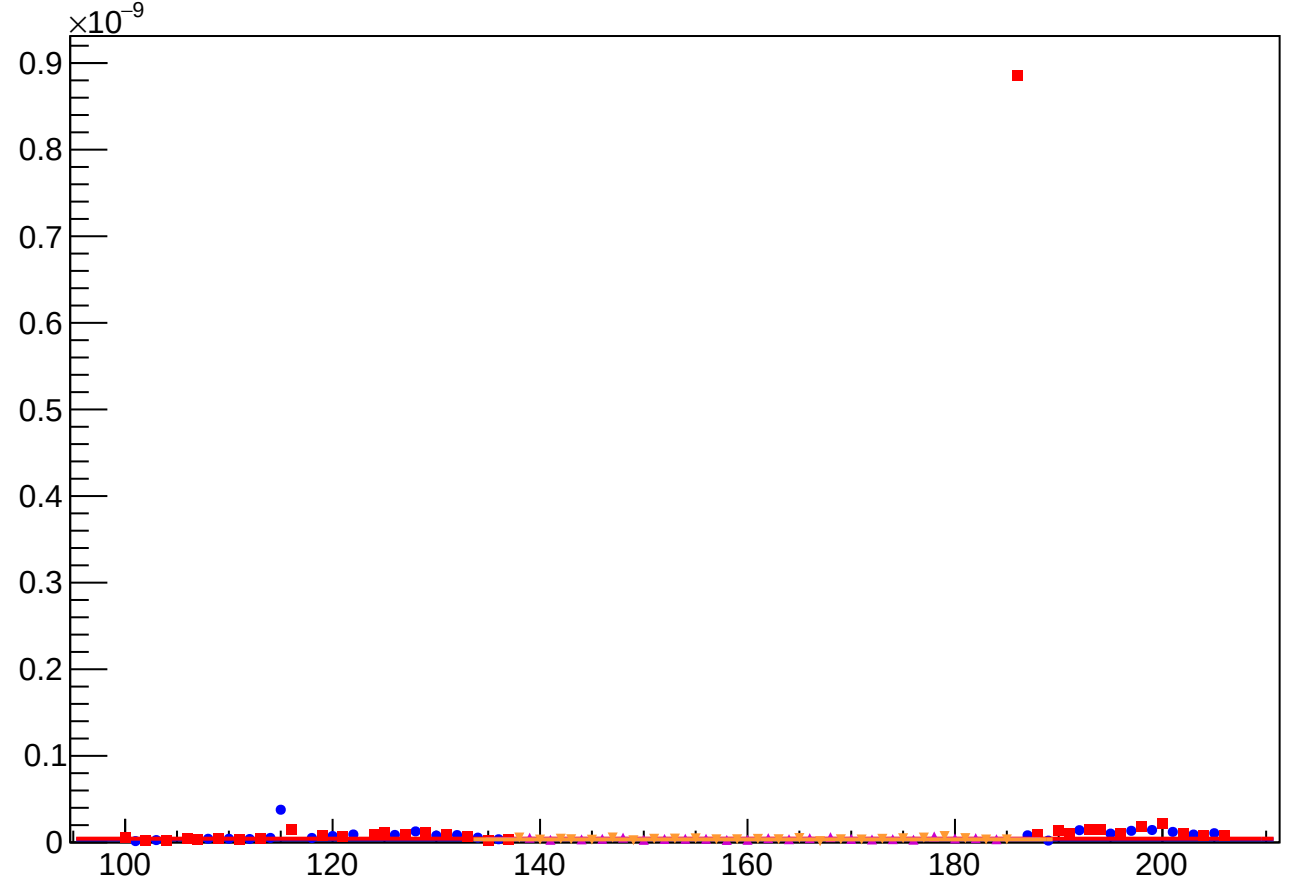
Right Out: -0.000+/-0.000 χ^2/NDF: 26.0/30

Left In: -0.000+/-0.000 χ^2/NDF:26.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 36.0/49

All: -0.000+/-0.000 χ^2/NDF: 89.9/103

- sign -0.000+/-0.000 χ^2/NDF: 52.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 6666261.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2527443.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7482290.3/30

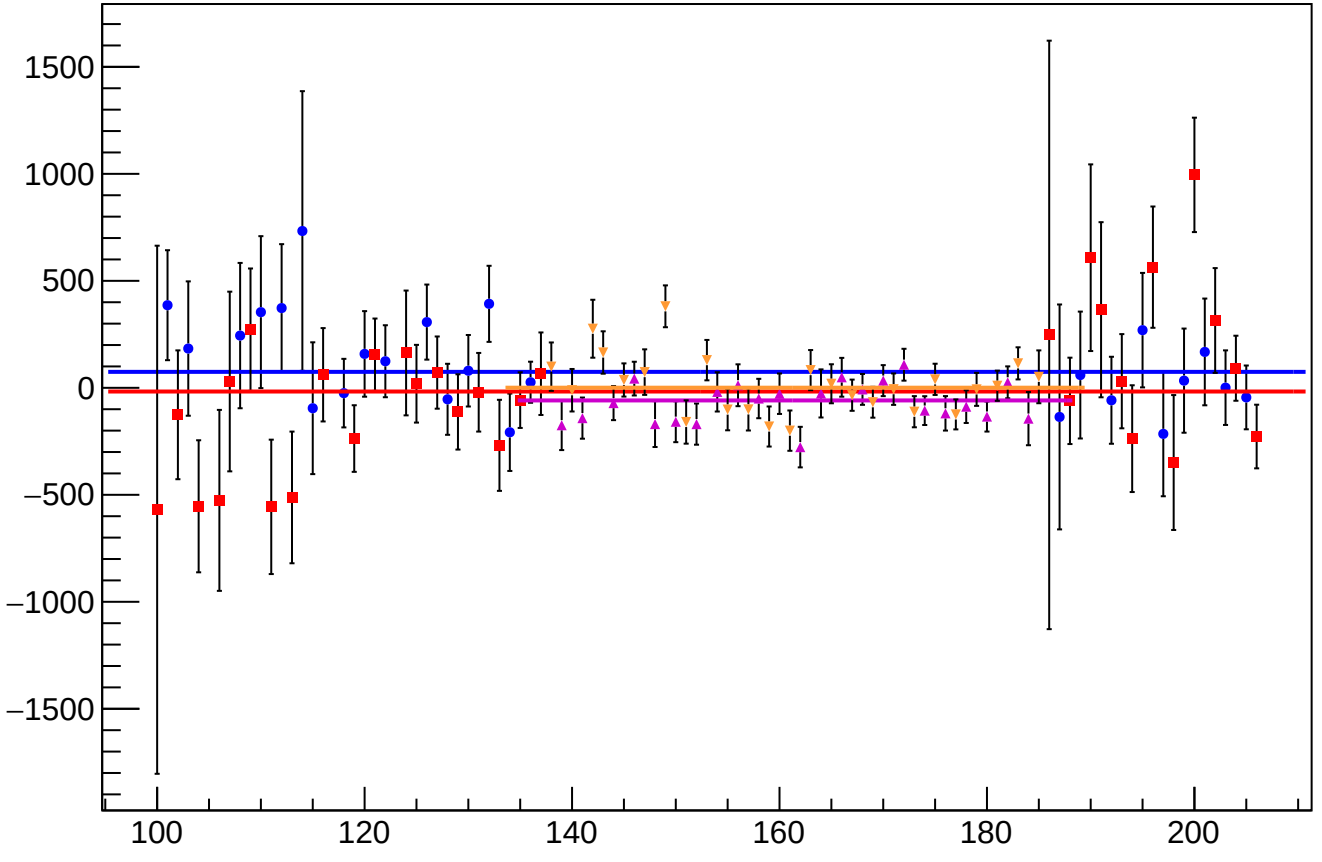
Left In: 0.000+/-0.000 χ^2/NDF:1198286.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9193707.1/49

All: 0.000+/-0.000 χ^2/NDF: 18290882.2/103

- sign 0.000+/-0.000 χ^2/NDF: 8778243.9/53

reg_asym_sam_26_avg_mean vs Slug



Right In: 74.617+/-40.272 χ^2/NDF: 16.8/24

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -17.257+/-39.978 χ^2/NDF: 45.0/30

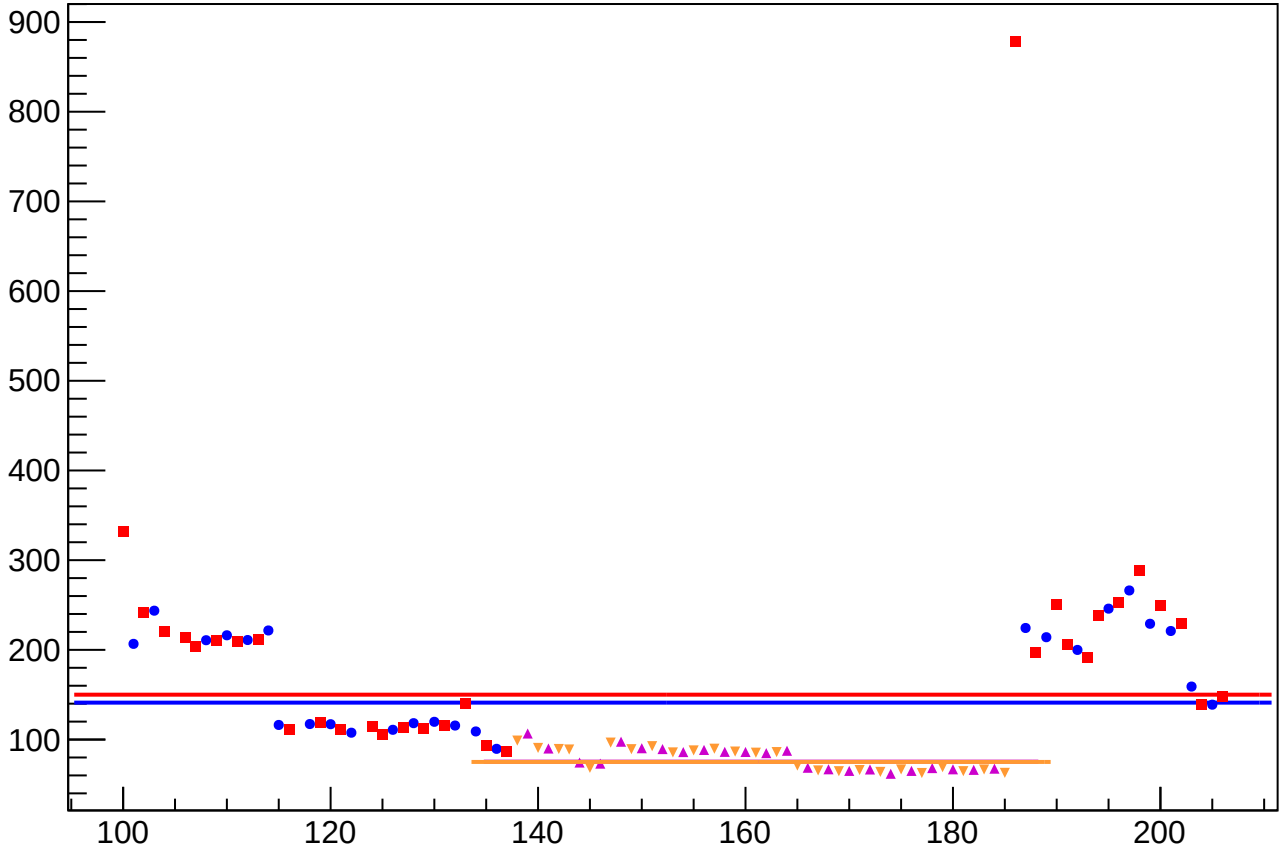
Left In: -58.907+/-17.879 χ^2/NDF:25.8/22

+ sign 12.151+/-15.910 χ^2/NDF: 68.2/49

All: -19.090+/-11.393 χ^2/NDF: 147.9/103

- sign -51.965+/-16.321 χ^2/NDF: 71.8/53

reg_asym_sam_26_avg_rms vs Slug



Right In: 141.163+/-0.028 χ^2/NDF: 3134489.6/24

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

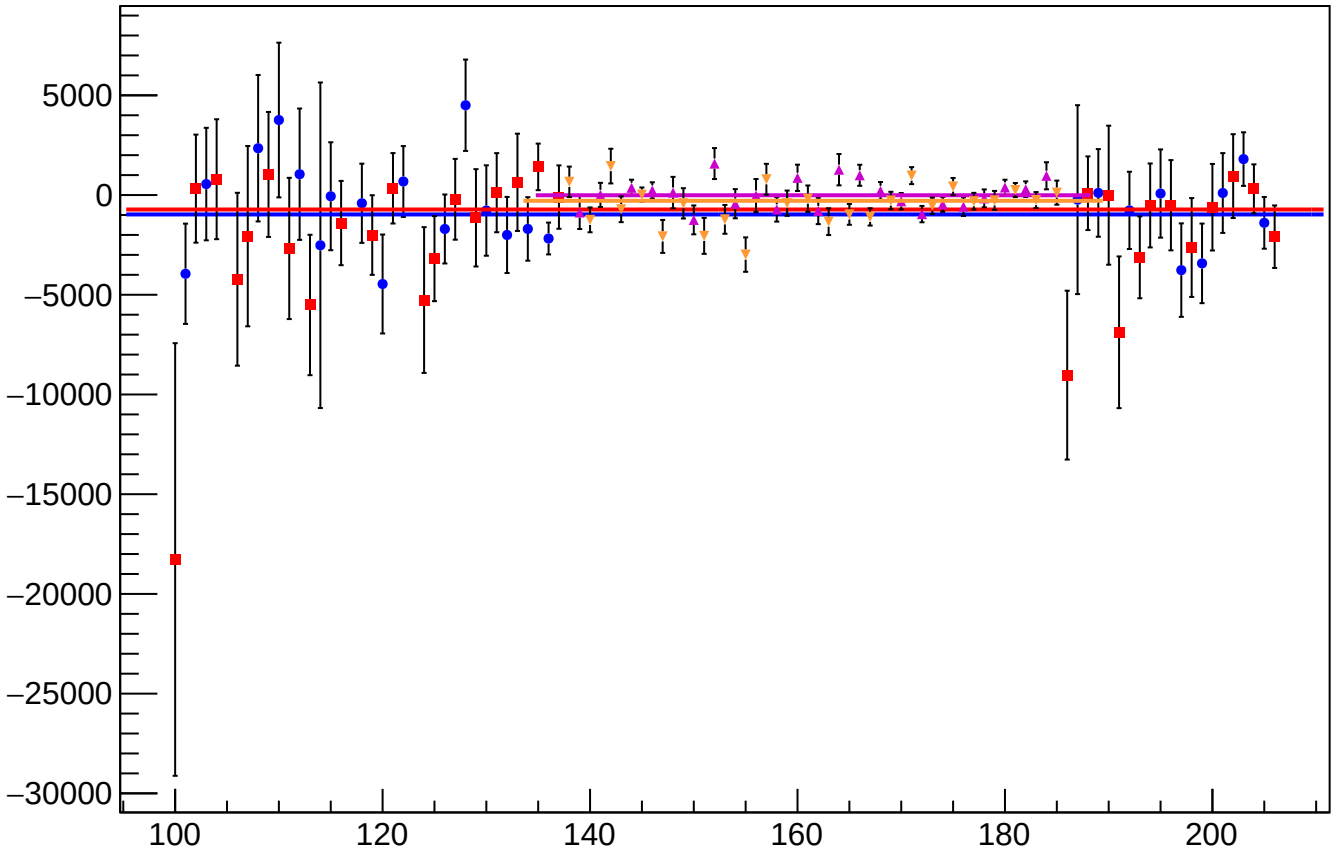
Right Out: 150.028+/-0.028 χ^2/NDF: 4189572.7/30

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 85.362+/-0.011 χ^2/NDF: 8612586.9/49

All: 86.549+/-0.008 χ^2/NDF: 19477807.6/103

- sign 87.798+/-0.012 χ^2/NDF: 10842367.8/53



Right In: -972.676+/-380.307 χ^2/NDF: 24.2/24

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -724.633+/-392.056 χ^2/NDF: 24.9/30

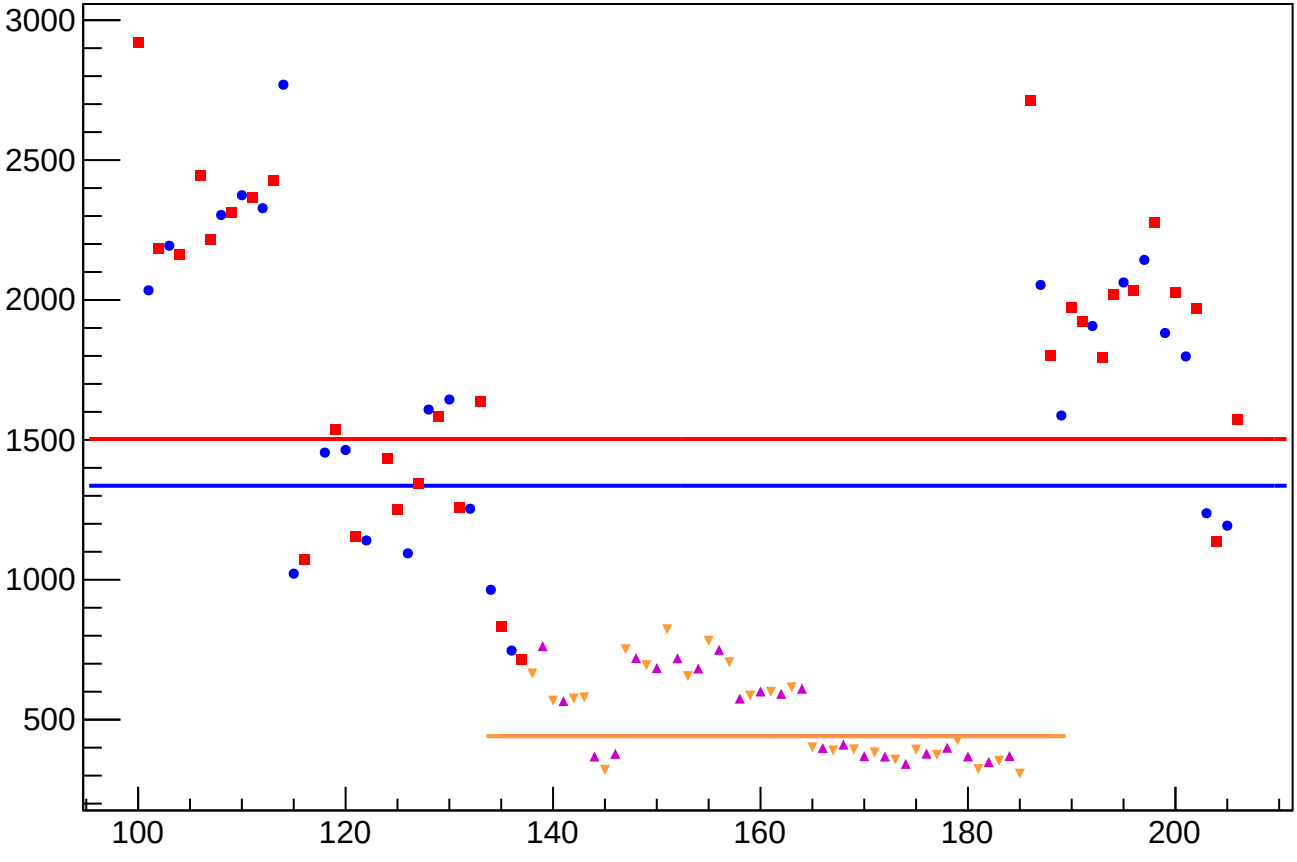
Left In: -10.643+/-107.669 χ^2/NDF:33.4/22

+ sign -336.766+/-101.420 χ^2/NDF: 80.5/49

All: -201.975+/-72.550 χ^2/NDF: 145.5/103

- sign -60.716+/-103.825 χ^2/NDF: 61.4/53

asym_sam_26_avg_reg_correction_rms vs Slug



Right In: 1336.019+/-0.269 χ^2/NDF: 3225964.7/24

Left Out: 441.128+/-0.074 χ^2/NDF:3234629.2/24

Right Out: 1503.053+/-0.277 χ^2/NDF: 3320937.7/30

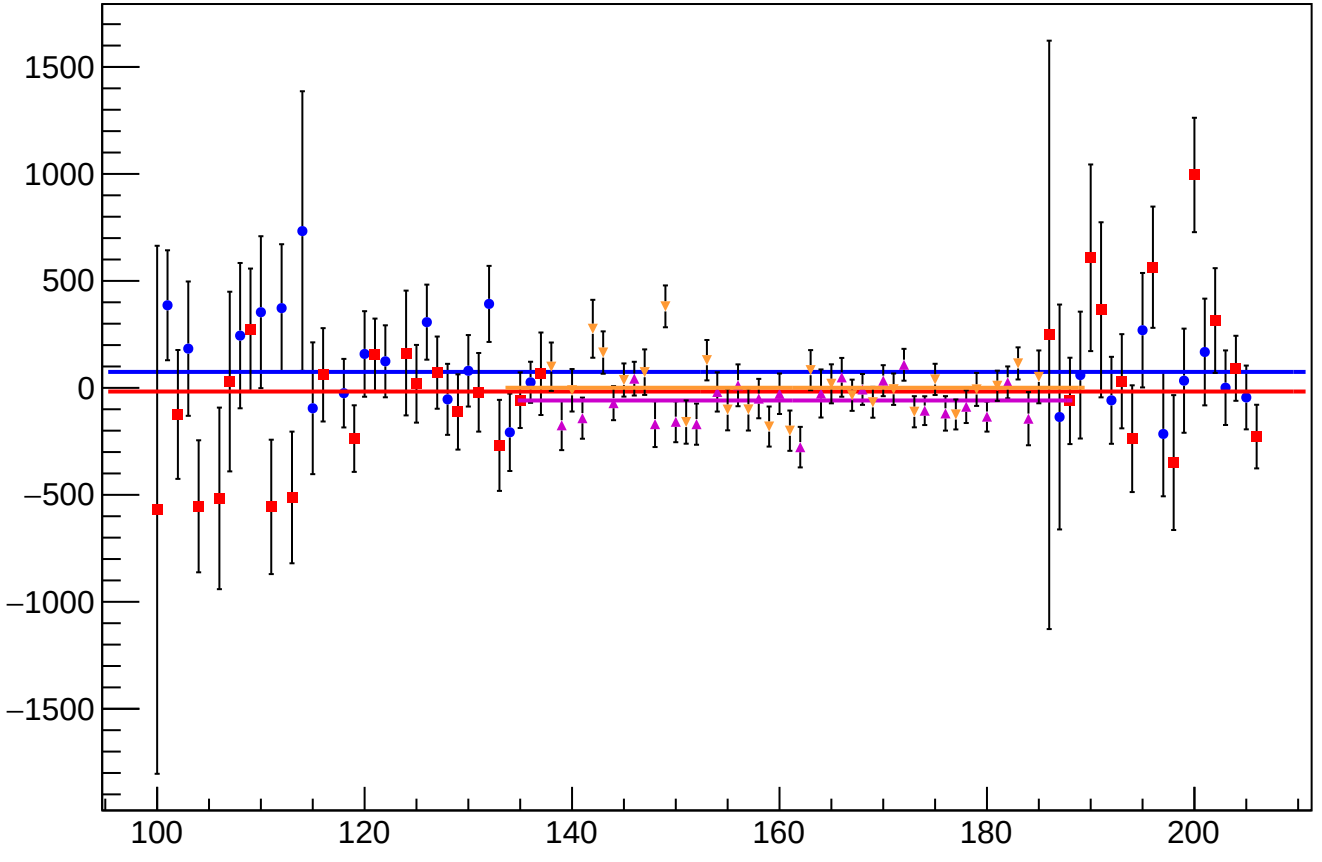
Left In: 441.196+/-0.076 χ^2/NDF:2682075.8/22

+ sign 504.771+/-0.072 χ^2/NDF: 16746954.0/49

All: 510.091+/-0.051 χ^2/NDF: 36403507.2/10

- sign 515.665+/-0.073 χ^2/NDF: 19645286.7/53

cor_asym_sam_26_avg_mean vs Slug



Right In: 74.603+/-40.272 χ^2/NDF: 16.8/24

Left Out: 0.598+/-17.319 χ^2/NDF:48.6/24

Right Out: -17.107+/-39.980 χ^2/NDF: 45.0/30

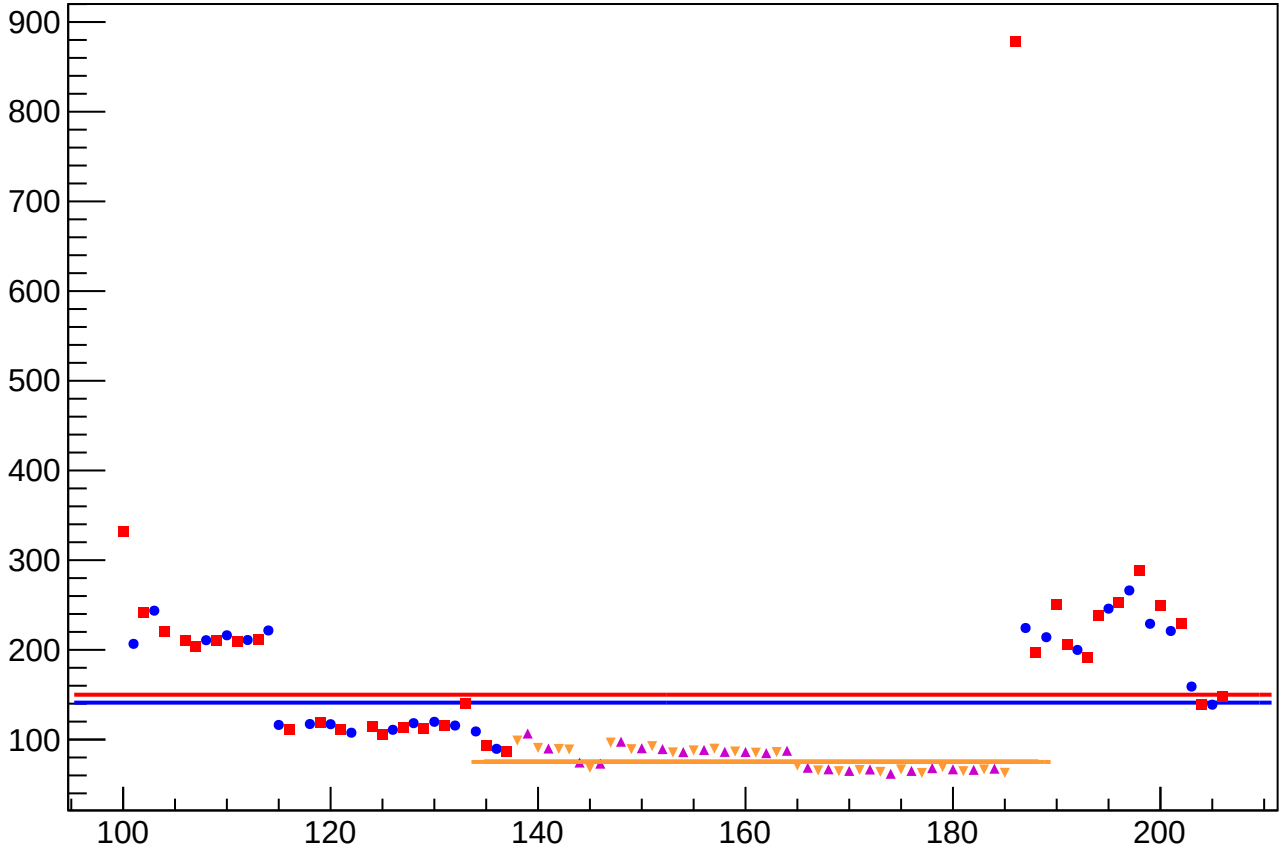
Left In: -58.904+/-17.879 χ^2/NDF:25.8/22

+ sign 12.149+/-15.910 χ^2/NDF: 68.2/49

All: -19.078+/-11.393 χ^2/NDF: 147.8/103

- sign -51.938+/-16.321 χ^2/NDF: 71.7/53

cor_asym_sam_26_avg_rms vs Slug



Right In: 141.163+/-0.028 χ^2/NDF: 3134492.1/24

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

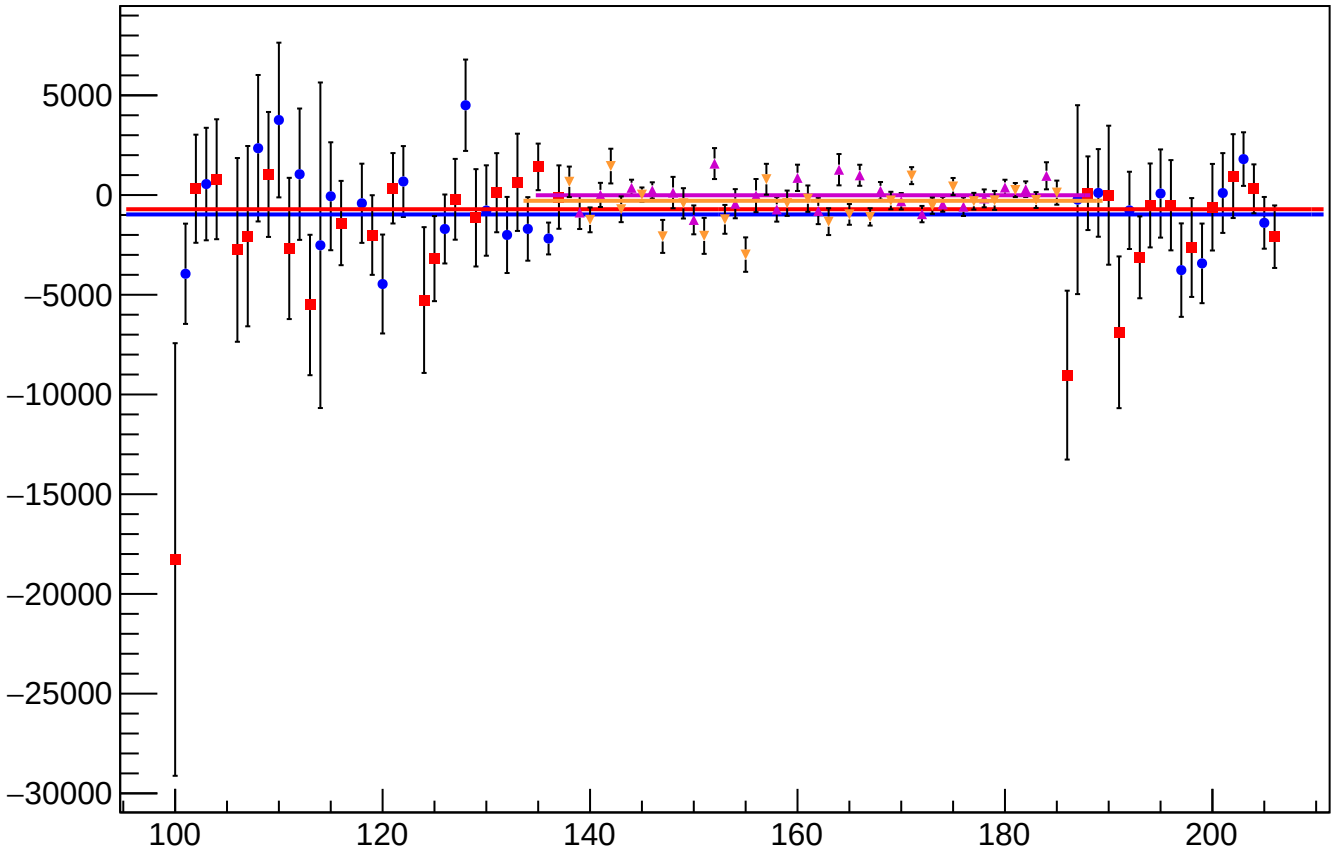
Right Out: 149.997+/-0.028 χ^2/NDF: 4185302.7/30

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 85.362+/-0.011 χ^2/NDF: 8612588.9/49

All: 86.546+/-0.008 χ^2/NDF: 19468209.4/103

- sign 87.792+/-0.012 χ^2/NDF: 10832880.3/53



Right In: -972.662+/-380.308 χ^2/NDF: 24.2/24

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -710.820+/-392.246 χ^2/NDF: 24.4/30

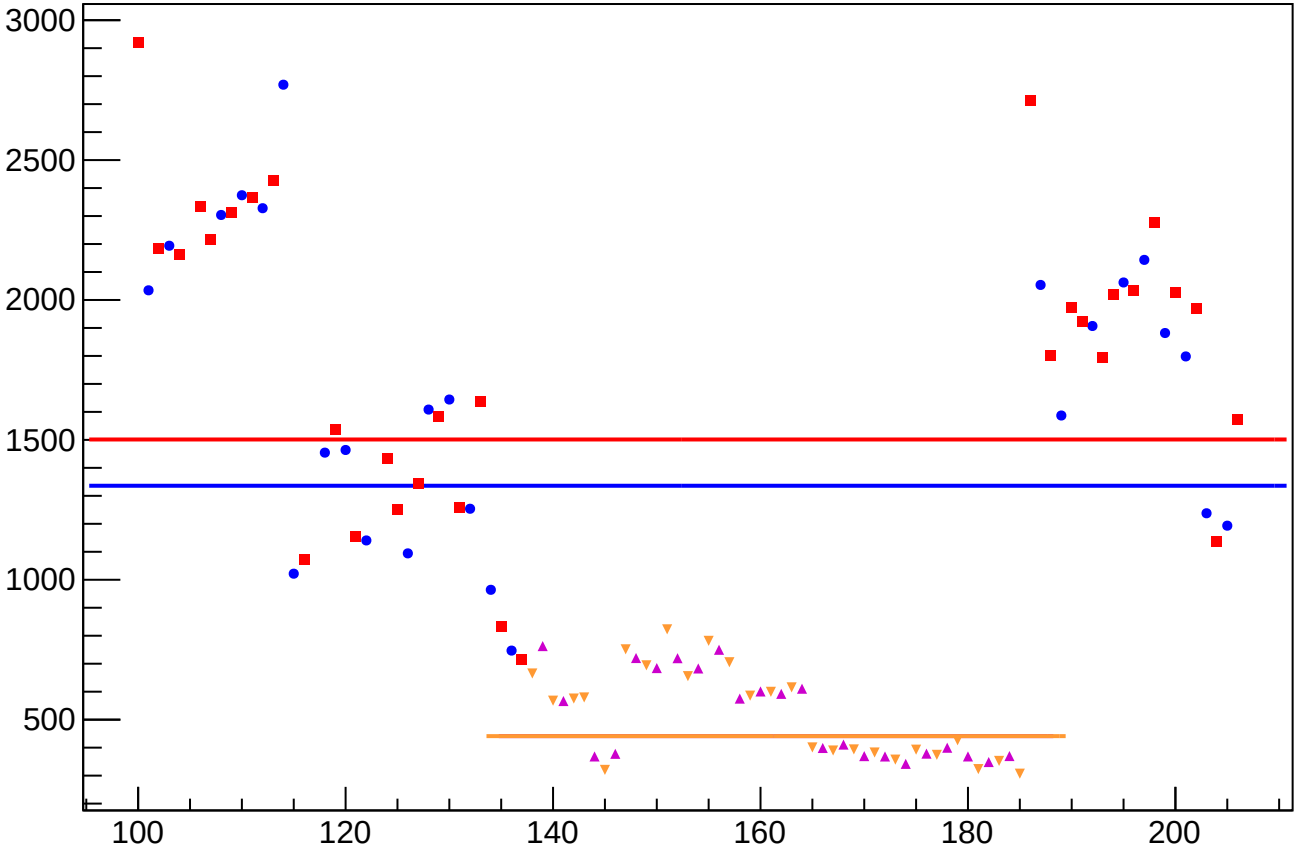
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -336.765+/-101.420 χ^2/NDF: 80.5/49

All: -201.485+/-72.552 χ^2/NDF: 144.9/103

- sign -59.704+/-103.829 χ^2/NDF: 60.8/53

asym_sam_26_avg_cor_correction_rms vs Slug



Right In: 1336.020+/-0.269 χ^2/NDF: 3225995.6/24

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

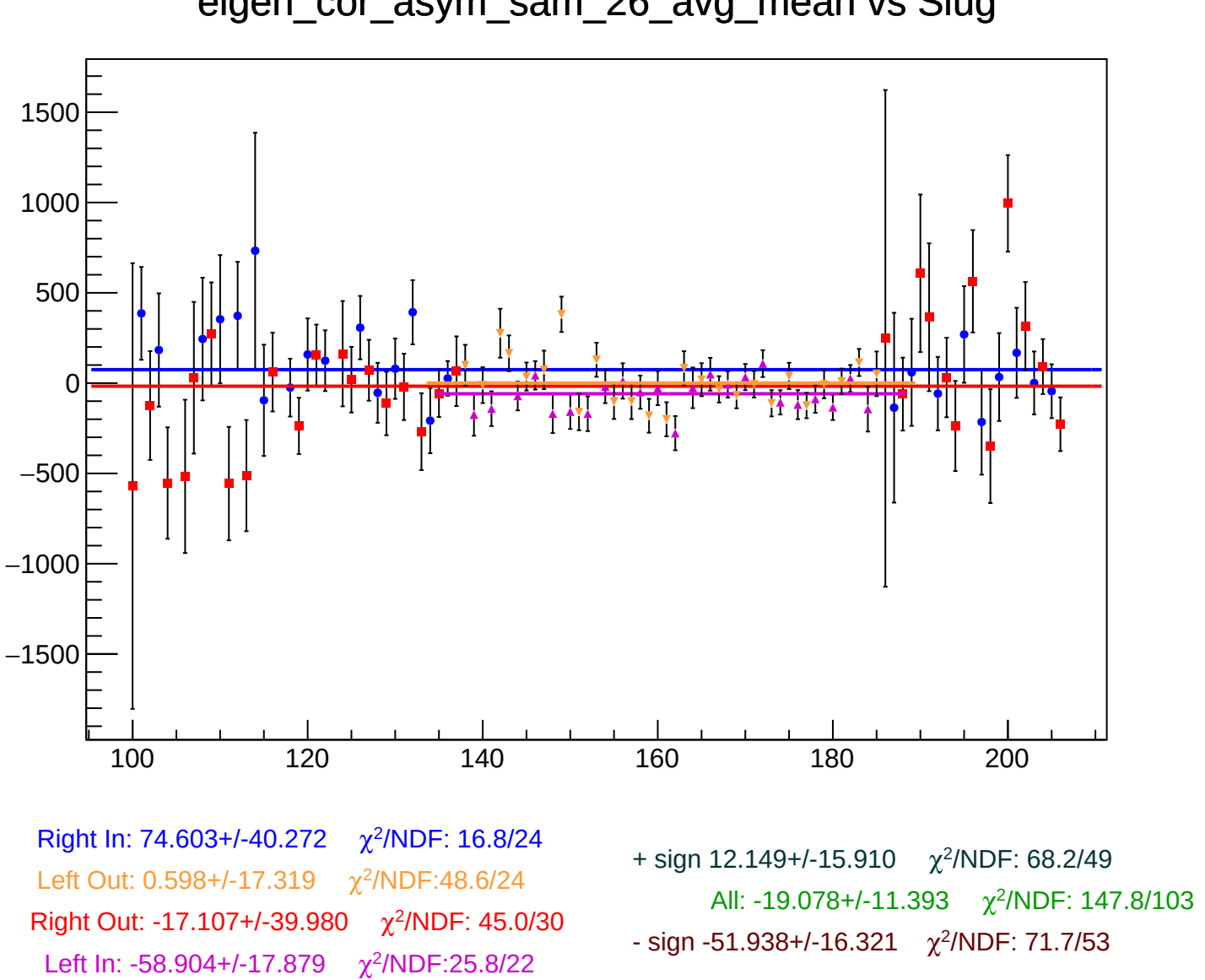
Right Out: 1501.387+/-0.277 χ^2/NDF: 3292134.1/30

Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

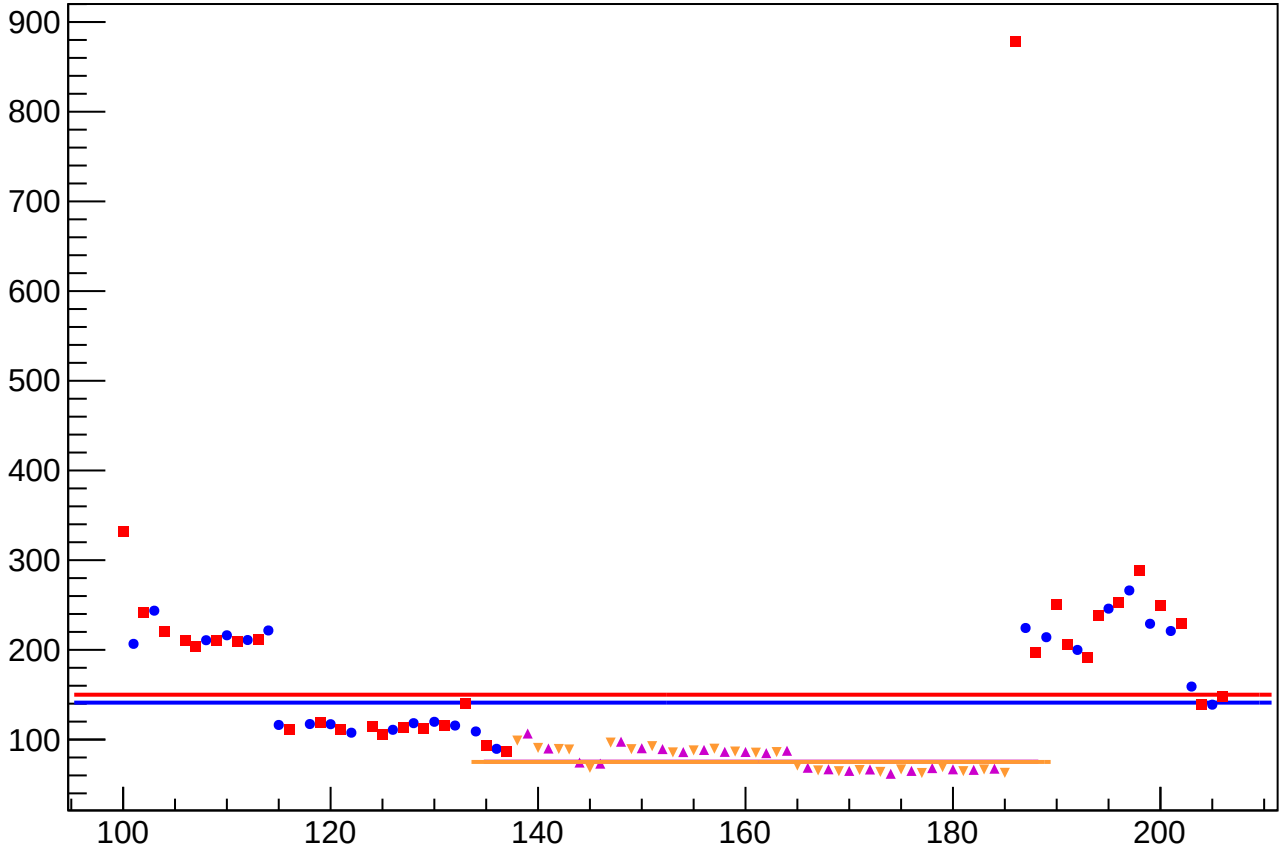
\+ sign 504.771+/-0.072 χ^2/NDF: 16746963.1/49

All: 510.001+/-0.051 χ^2/NDF: 36319317.5/10

\- sign 515.482+/-0.073 χ^2/NDF: 19561464.5/53


eigen_cor_asym_sam_26_avg_mean vs Slug
1500
1000
500
0
−500
−1000
−1500
100
120
140
160
180
200
Right In: 74.603+/-40.272 χ²/NDF: 16.8/24
Left Out: 0.598+/-17.319 χ²/NDF:48.6/24
Right Out: -17.107+/-39.980 χ²/NDF: 45.0/30
Left In: -58.904+/-17.879 χ²/NDF:25.8/22
+ sign 12.149+/-15.910 χ²/NDF: 68.2/49
All: -19.078+/-11.393 χ²/NDF: 147.8/103
- sign -51.938+/-16.321 χ²/NDF: 71.7/53

eigen_cor_asym_sam_26_avg_rms vs Slug



Right In: 141.163+/-0.028 χ^2/NDF: 3134492.1/24

Left Out: 75.041+/-0.012 χ^2/NDF:928107.8/24

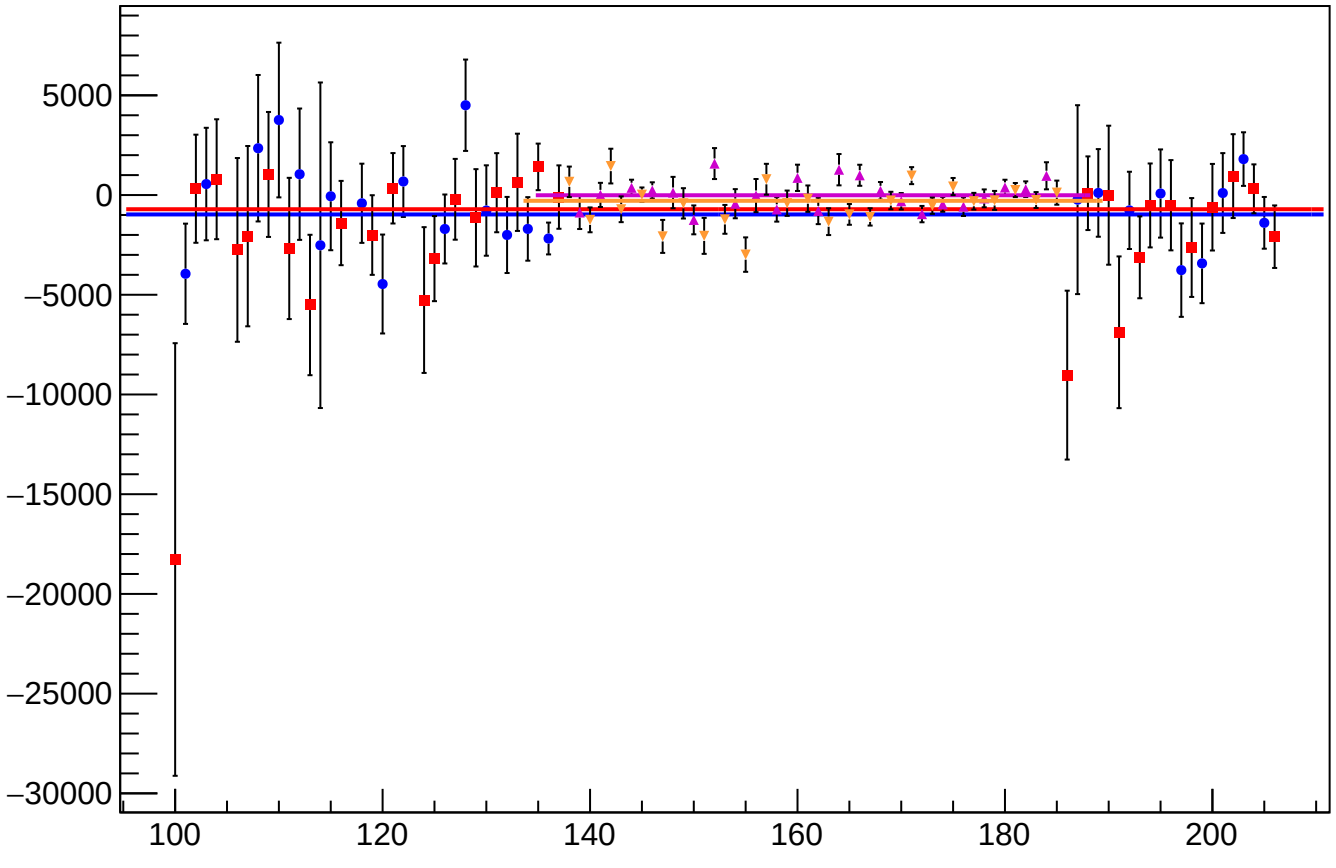
Right Out: 149.997+/-0.028 χ^2/NDF: 4185302.7/30

Left In: 75.352+/-0.013 χ^2/NDF:837634.2/22

+ sign 85.362+/-0.011 χ^2/NDF: 8612588.9/49

All: 86.546+/-0.008 χ^2/NDF: 19468209.4/103

- sign 87.792+/-0.012 χ^2/NDF: 10832880.3/53



Right In: -972.662+/-380.308 χ^2/NDF: 24.2/24

Left Out: -288.079+/-105.231 χ^2/NDF:53.3/24

Right Out: -710.820+/-392.246 χ^2/NDF: 24.4/30

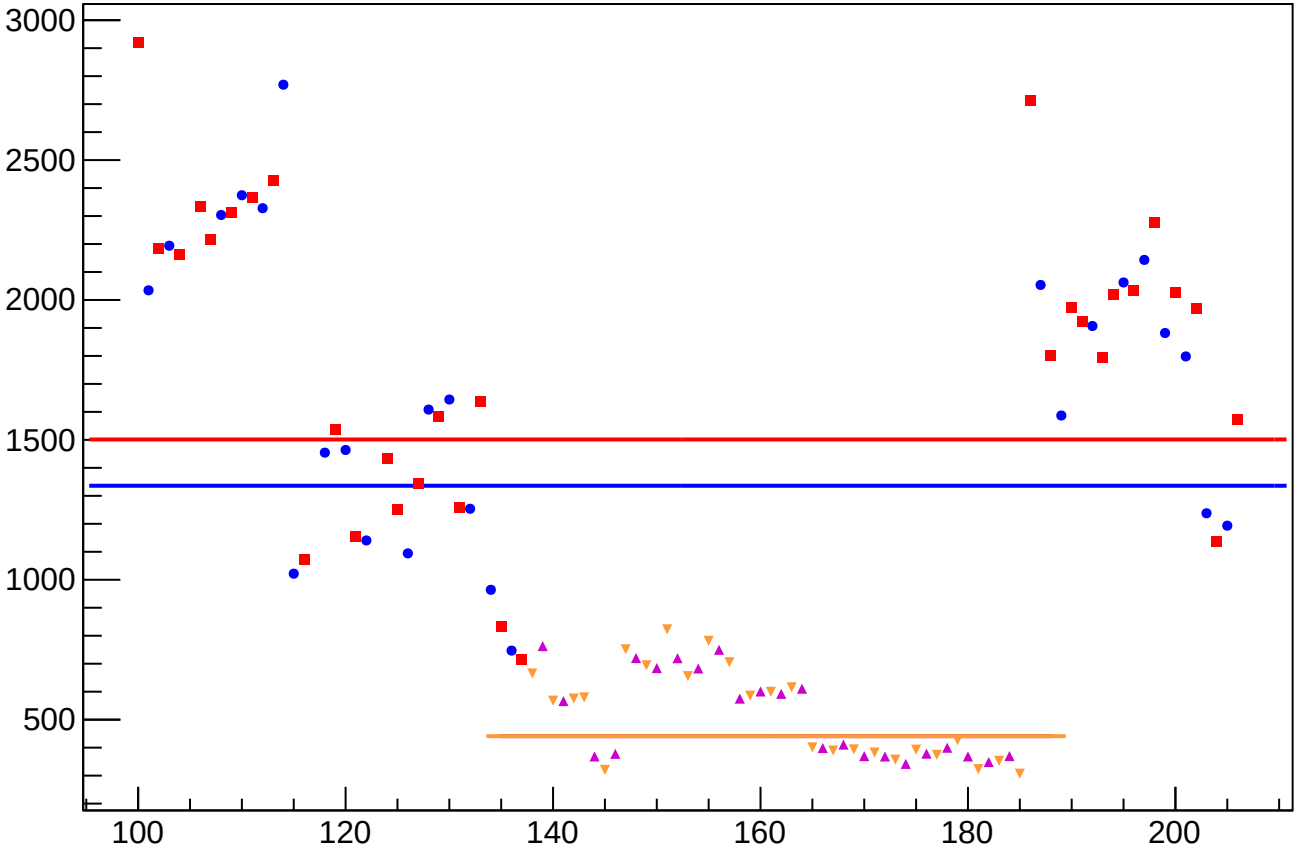
Left In: -10.644+/-107.670 χ^2/NDF:33.4/22

+ sign -336.765+/-101.420 χ^2/NDF: 80.5/49

All: -201.485+/-72.552 χ^2/NDF: 144.9/103

- sign -59.704+/-103.829 χ^2/NDF: 60.8/53

asym_sam_26_avg_eigen_cor_correction_rms vs Slug



Right In: 1336.020+/-0.269 χ^2/NDF: 3225995.6/24

Left Out: 441.128+/-0.074 χ^2/NDF:3234622.5/24

Right Out: 1501.387+/-0.277 χ^2/NDF: 3292134.1/30

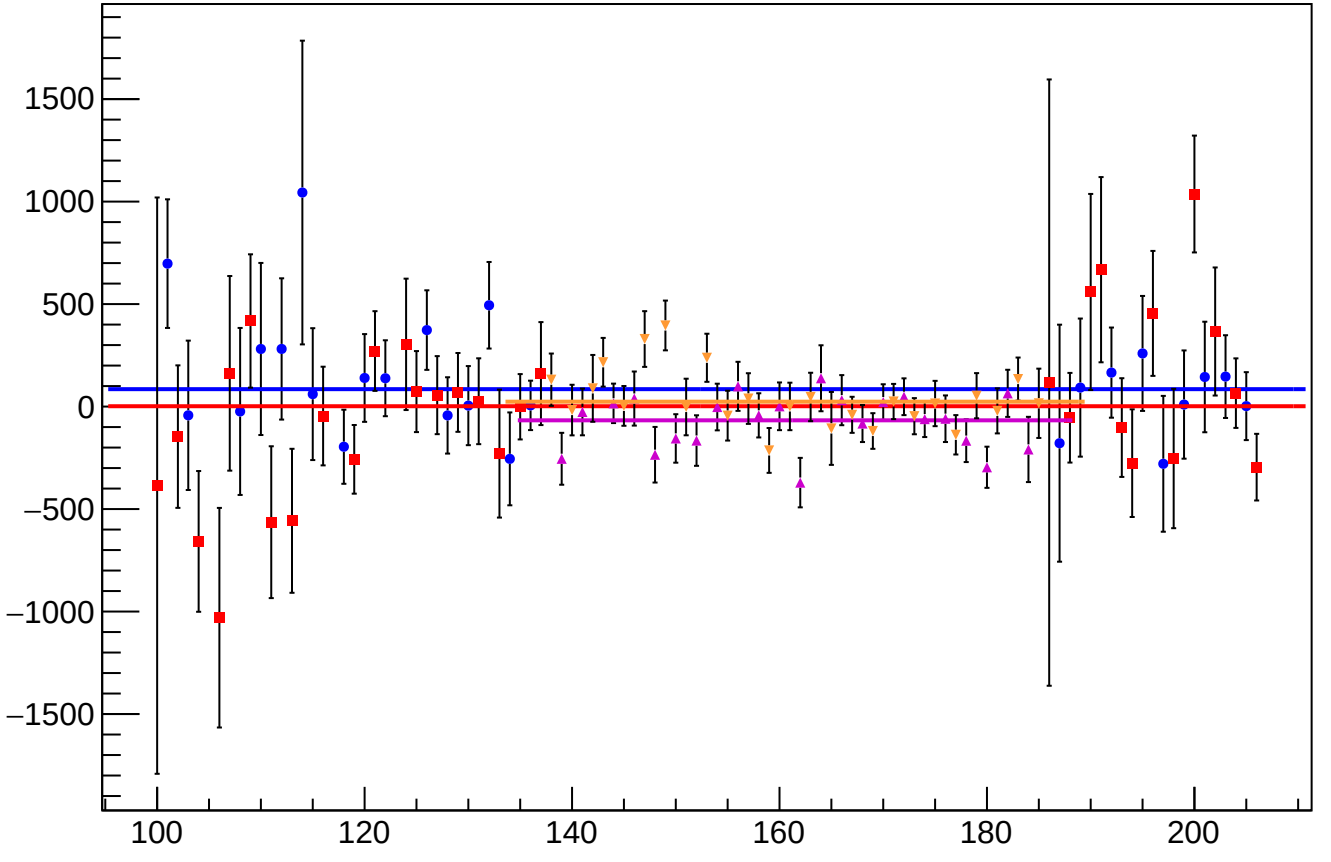
Left In: 441.196+/-0.076 χ^2/NDF:2682073.9/22

+ sign 504.771+/-0.072 χ^2/NDF: 16746963.1/49

All: 510.001+/-0.051 χ^2/NDF: 36319317.5/10

- sign 515.482+/-0.073 χ^2/NDF: 19561464.5/53

dit_asym_sam_26_avg_mean vs Slug



Right In: 84.963+/-46.262 χ^2/NDF: 20.5/24

Left Out: 23.873+/-22.414 χ^2/NDF:35.2/24

Right Out: 1.687+/-45.428 χ^2/NDF: 46.5/30

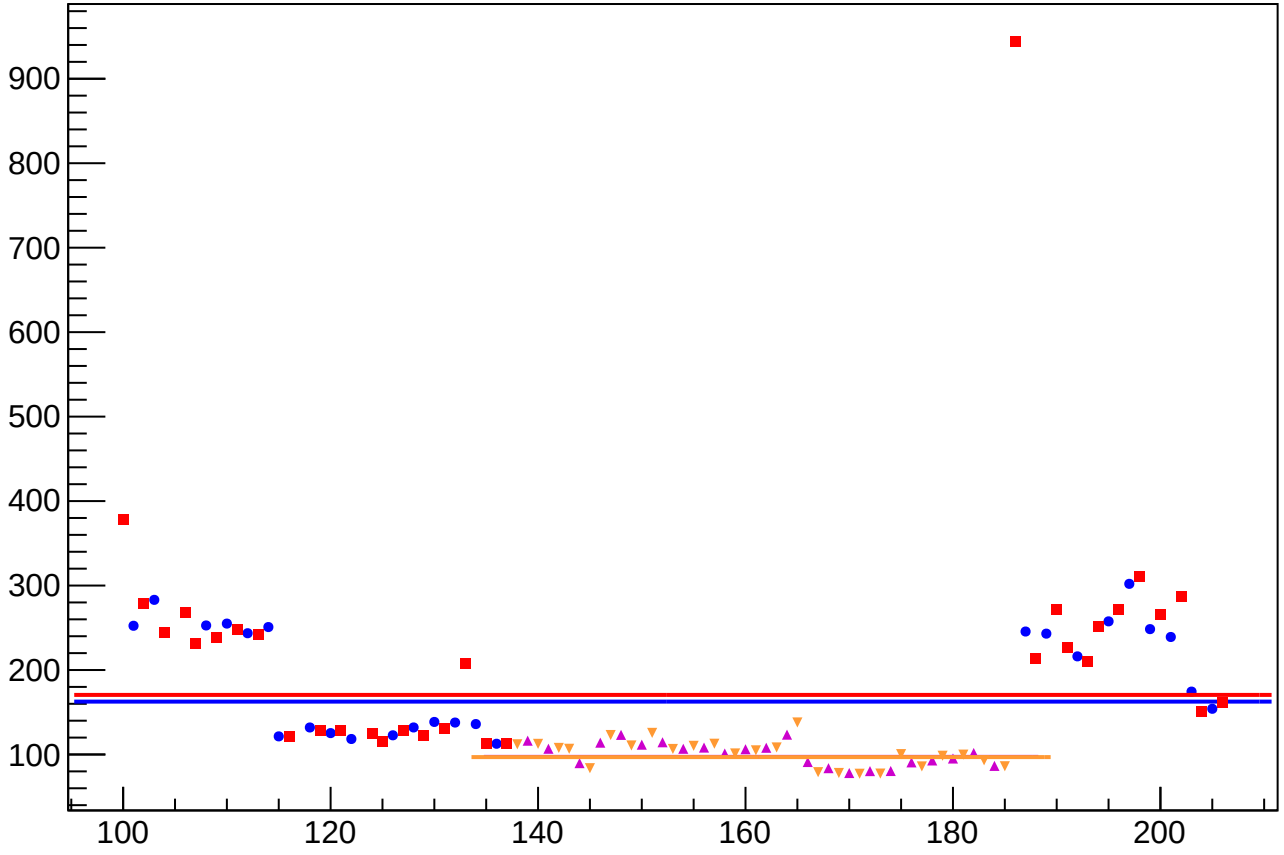
Left In: -67.086+/-23.121 χ^2/NDF:28.6/22

+ sign 35.487+/-20.171 χ^2/NDF: 57.1/49

All: -7.783+/-14.414 χ^2/NDF: 143.5/103

- sign -52.936+/-20.606 χ^2/NDF: 77.0/53

dit_asym_sam_26_avg_rms vs Slug



Right In: 162.602+/-0.033 χ^2/NDF: 2790357.0/24

Left Out: 96.907+/-0.016 χ^2/NDF:933980.7/24

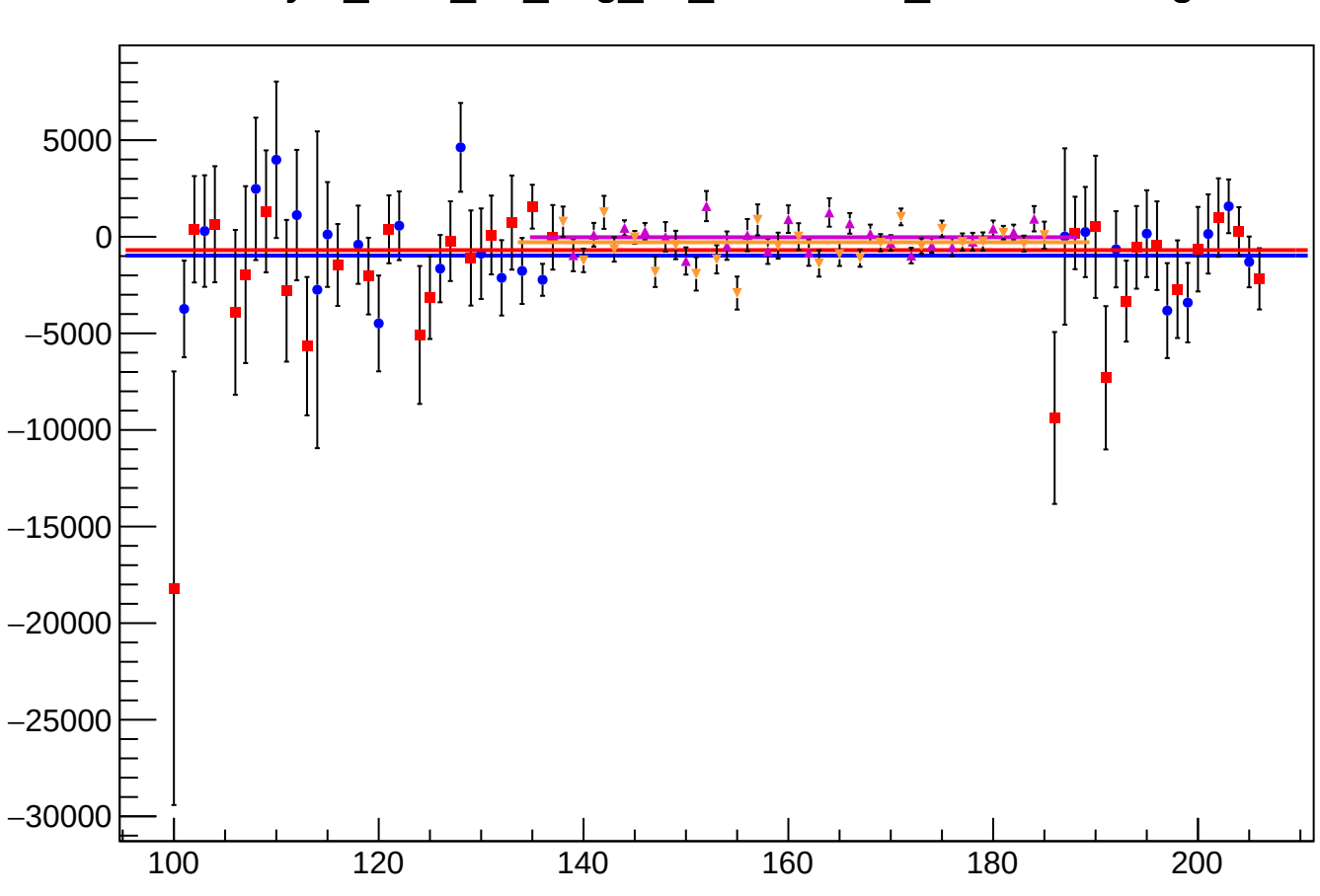
Right Out: 170.535+/-0.032 χ^2/NDF: 3952675.5/30

Left In: 97.167+/-0.016 χ^2/NDF:674595.2/22

+ sign 109.397+/-0.014 χ^2/NDF: 6990713.5/49

All: 110.799+/-0.010 χ^2/NDF: 15781133.0/10

- sign 112.262+/-0.015 χ^2/NDF: 8770665.5/53



Right In: -973.113+/-390.299 χ^2/NDF: 23.2/24

Left Out: -282.422+/-106.394 χ^2/NDF:50.4/24

Right Out: -691.696+/-395.365 χ^2/NDF: 26.3/30

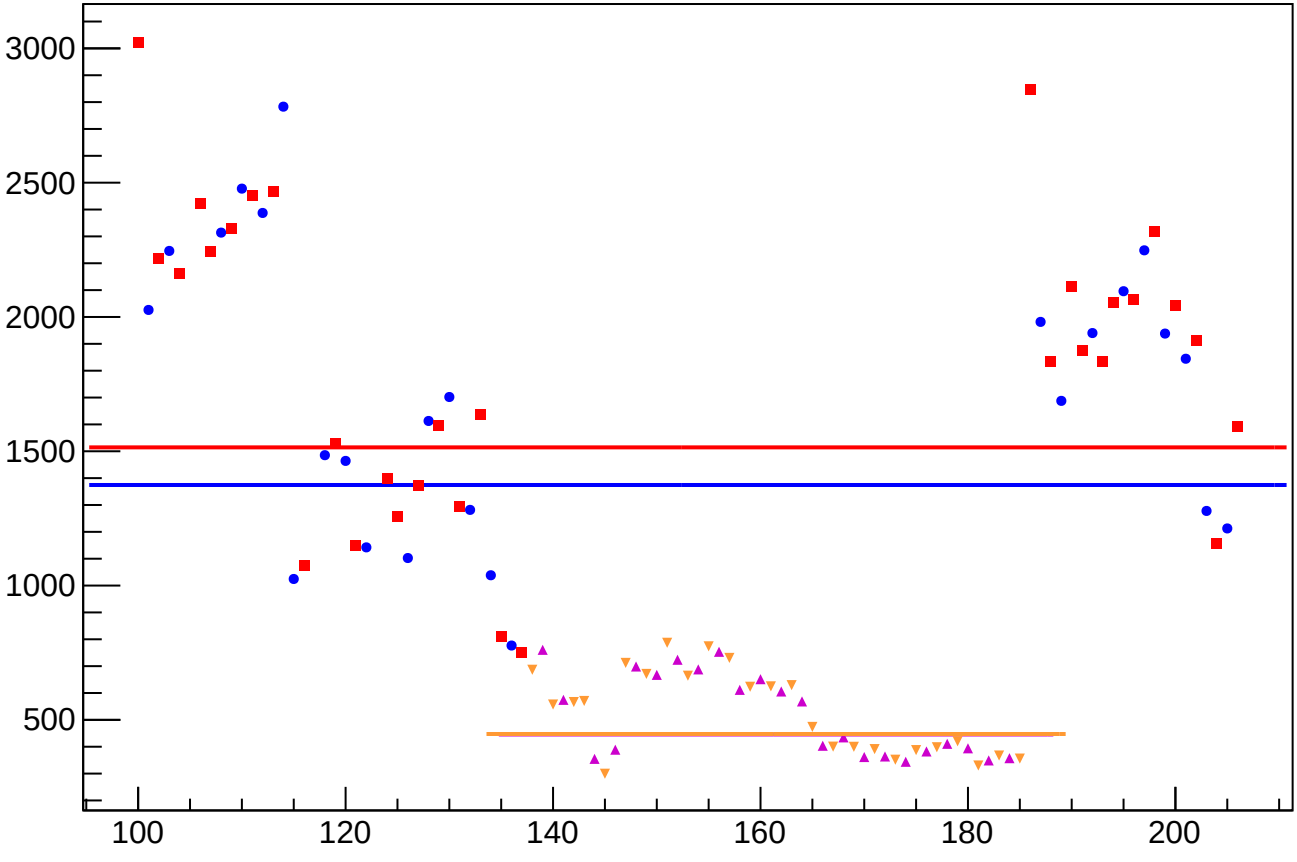
Left In: -24.625+/-108.884 χ^2/NDF:32.9/22

+ sign -330.197+/-102.649 χ^2/NDF: 76.6/49

All: -203.822+/-73.392 χ^2/NDF: 141.5/103

- sign -71.653+/-104.975 χ^2/NDF: 61.8/53

asym_sam_26_avg_dit_correction_rms vs Slug



Right In: 1374.458+/-0.276 χ^2/NDF: 3136070.7/24

Left Out: 447.386+/-0.075 χ^2/NDF:3197771.9/24

Right Out: 1514.517+/-0.280 χ^2/NDF: 3393518.9/30

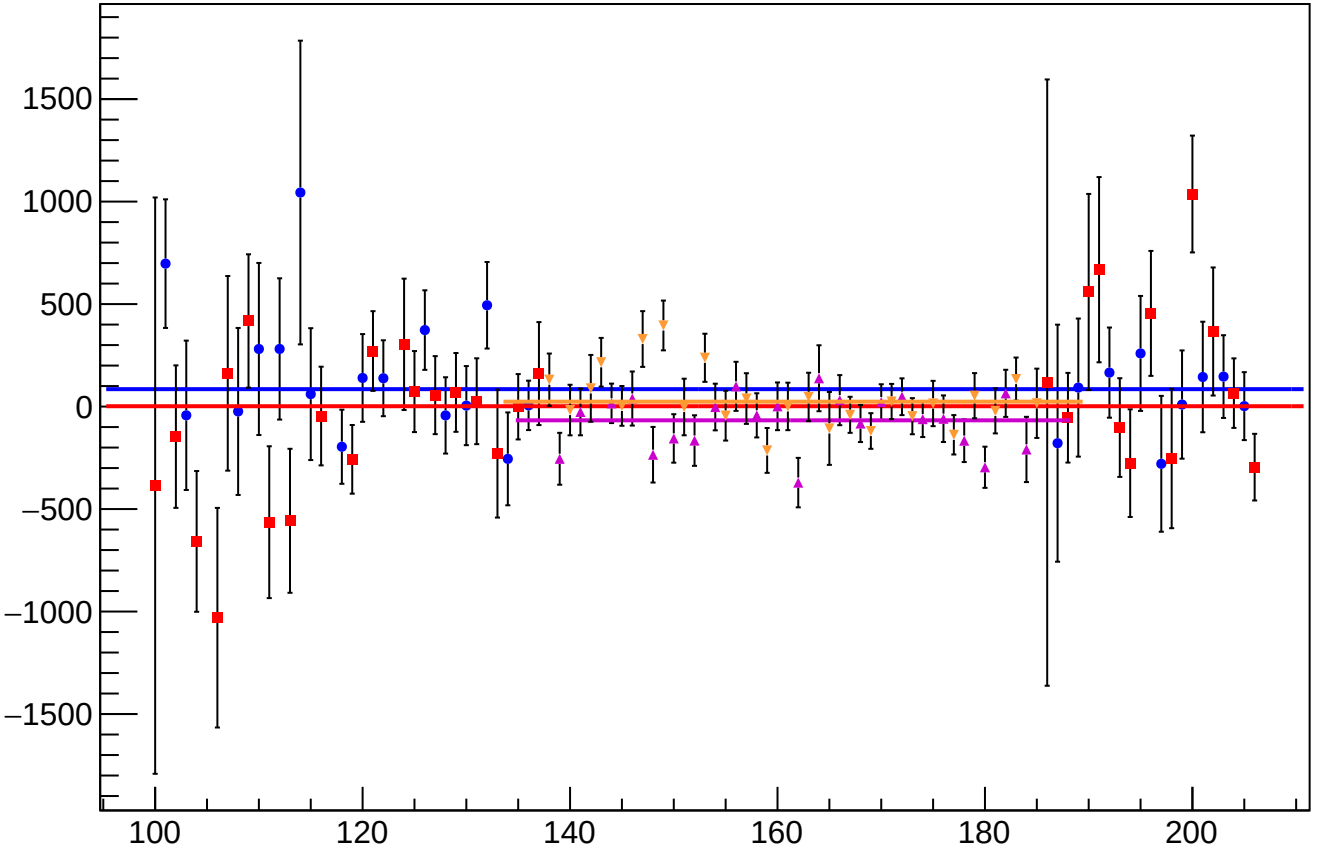
Left In: 445.491+/-0.077 χ^2/NDF:2713295.1/22

+ sign 511.510+/-0.073 χ^2/NDF: 16837318.7/49

All: 516.078+/-0.052 χ^2/NDF: 36543490.4/10

- sign 520.856+/-0.074 χ^2/NDF: 19698068.9/53

eigen_dit_asym_sam_26_avg_mean vs Slug



Right In: 84.965+/-46.262 χ^2/NDF: 20.5/24

Left Out: 23.872+/-22.414 χ^2/NDF:35.2/24

Right Out: 1.686+/-45.428 χ^2/NDF: 46.5/30

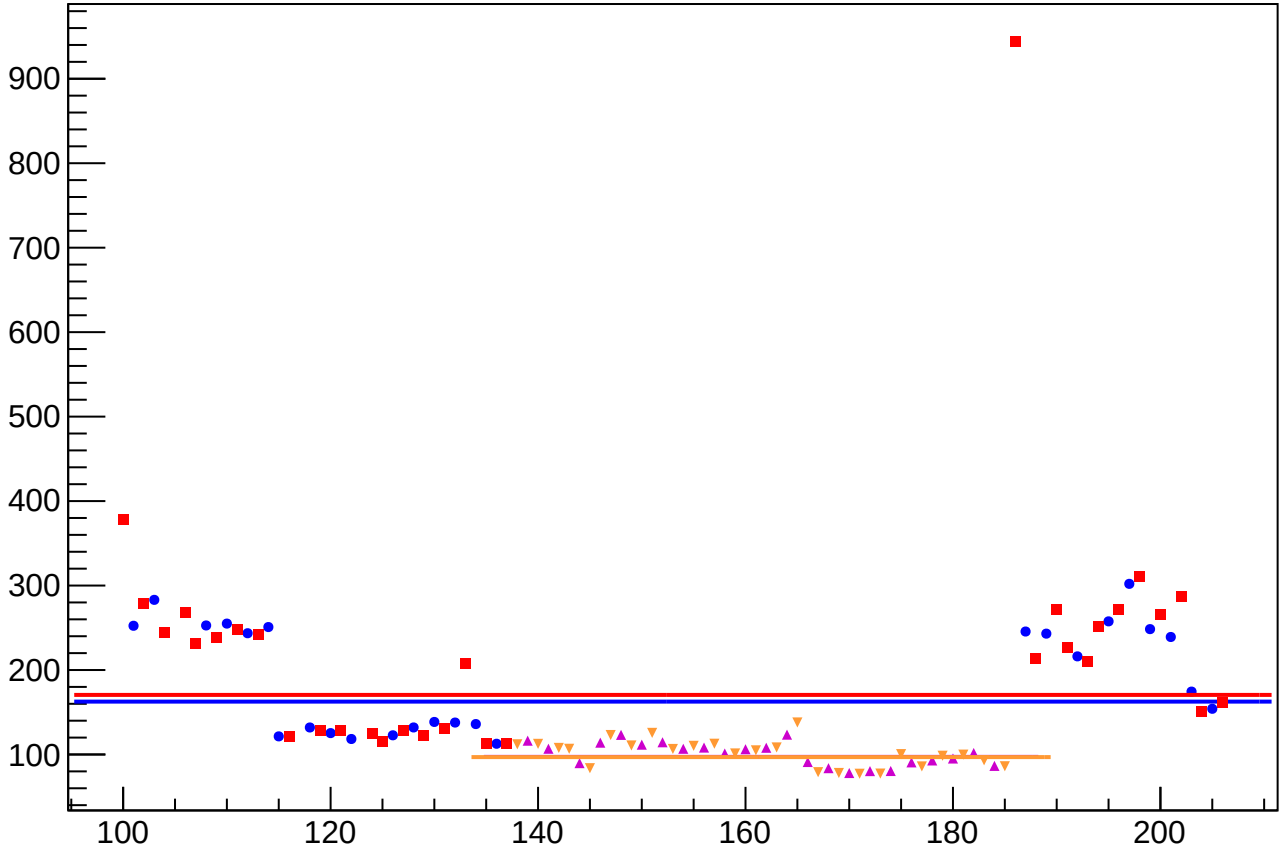
Left In: -67.085+/-23.121 χ^2/NDF:28.6/22

+ sign 35.487+/-20.171 χ^2/NDF: 57.1/49

All: -7.783+/-14.414 χ^2/NDF: 143.5/103

- sign -52.936+/-20.606 χ^2/NDF: 77.0/53

eigen_dit_asym_sam_26_avg_rms vs Slug



Right In: 162.602+/-0.033 χ^2/NDF: 2790367.6/24

Left Out: 96.907+/-0.016 χ^2/NDF:933979.3/24

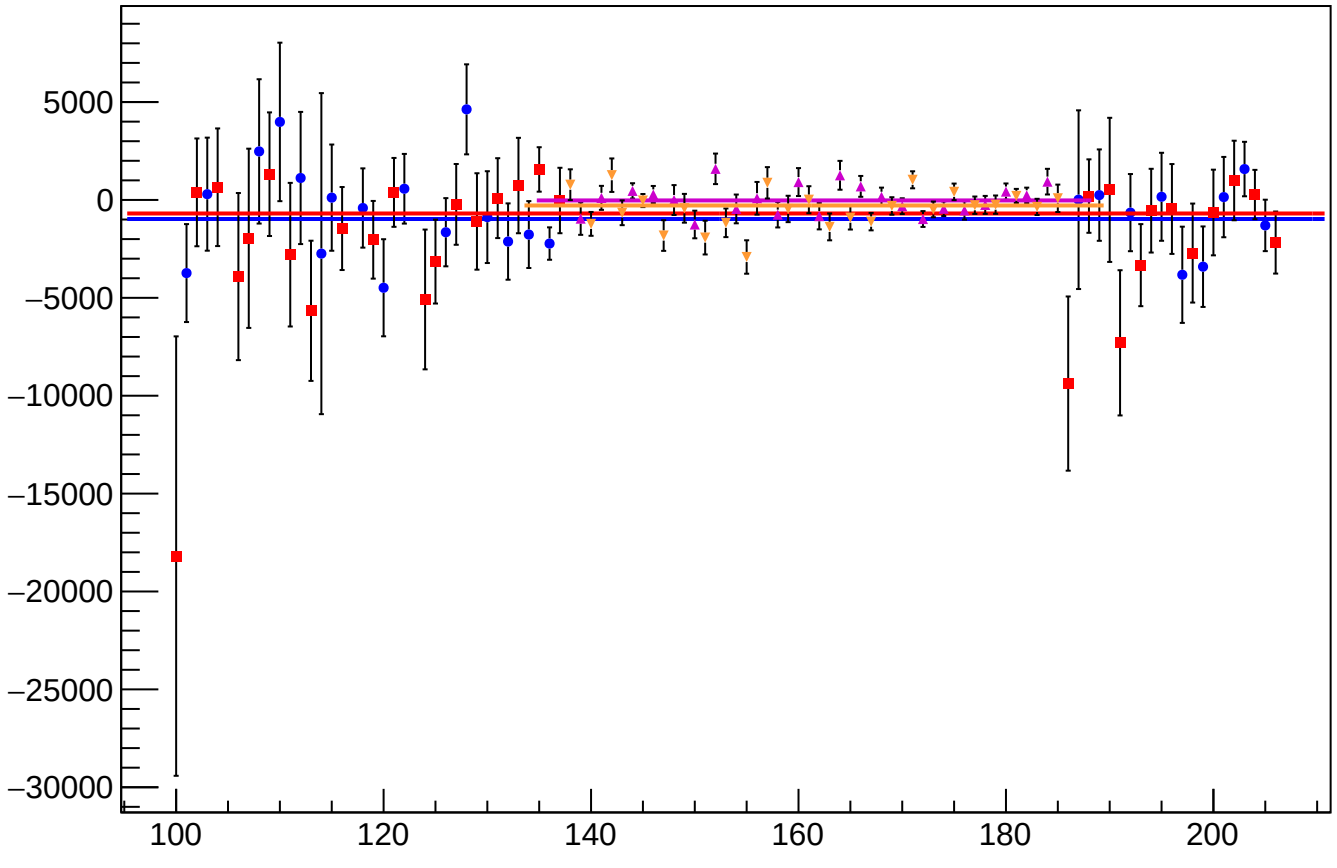
Right Out: 170.535+/-0.032 χ^2/NDF: 3952679.9/30

Left In: 97.168+/-0.016 χ^2/NDF:674586.0/22

+ sign 109.397+/-0.014 χ^2/NDF: 6990649.2/49

All: 110.799+/-0.010 χ^2/NDF: 15780996.9/10

- sign 112.263+/-0.015 χ^2/NDF: 8770592.0/53



Right In: -973.111+/-390.299 χ^2/NDF: 23.2/24

Left Out: -282.421+/-106.394 χ^2/NDF:50.4/24

Right Out: -691.698+/-395.365 χ^2/NDF: 26.3/30

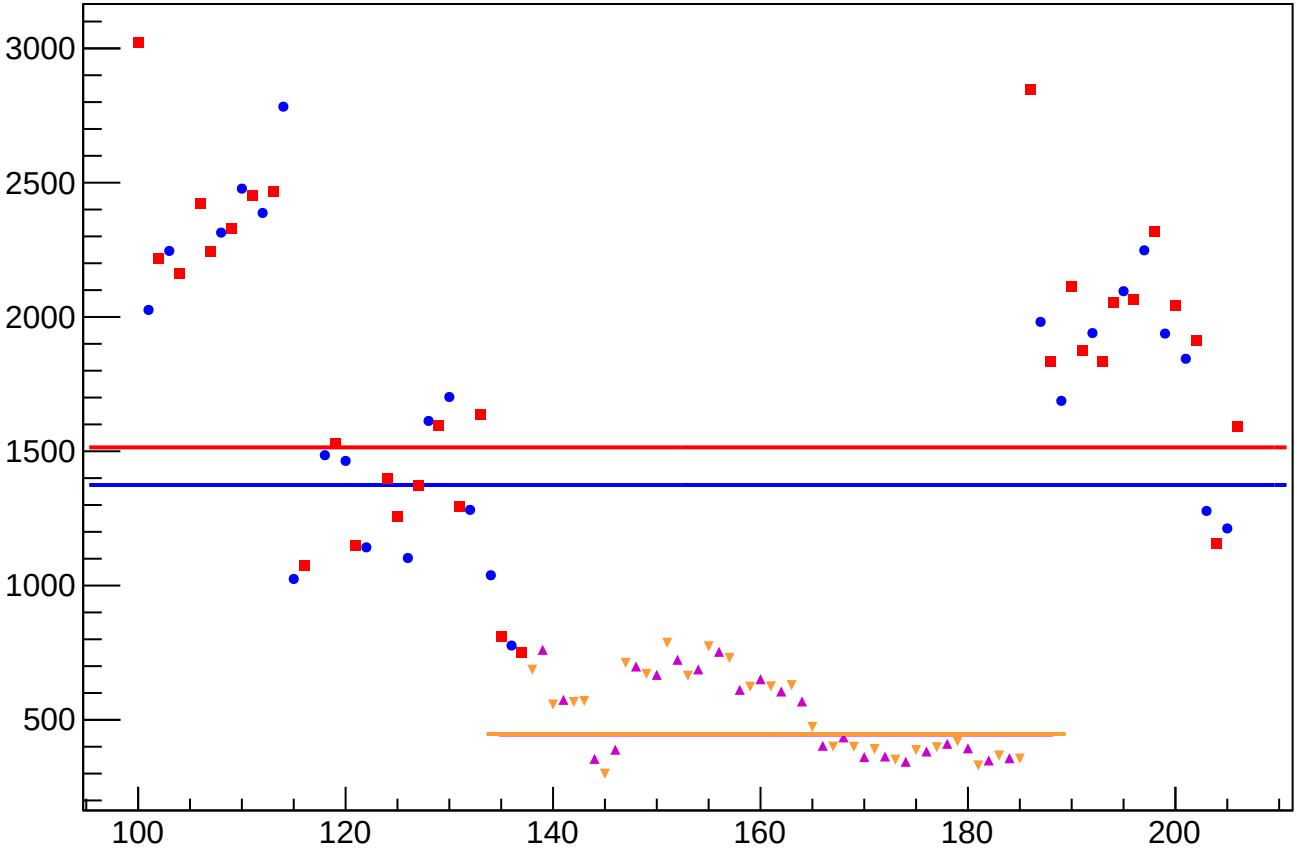
Left In: -24.626+/-108.884 χ^2/NDF:32.9/22

+ sign -330.196+/-102.649 χ^2/NDF: 76.6/49

All: -203.822+/-73.392 χ^2/NDF: 141.5/103

- sign -71.653+/-104.975 χ^2/NDF: 61.8/53

asym_sam_26_avg_eigen_dit_correction_rms vs Slug



Right In: 1374.458+/-0.276 χ^2/NDF: 3136050.4/24

Left Out: 447.385+/-0.075 χ^2/NDF:3197793.9/24

Right Out: 1514.517+/-0.280 χ^2/NDF: 3393502.1/30

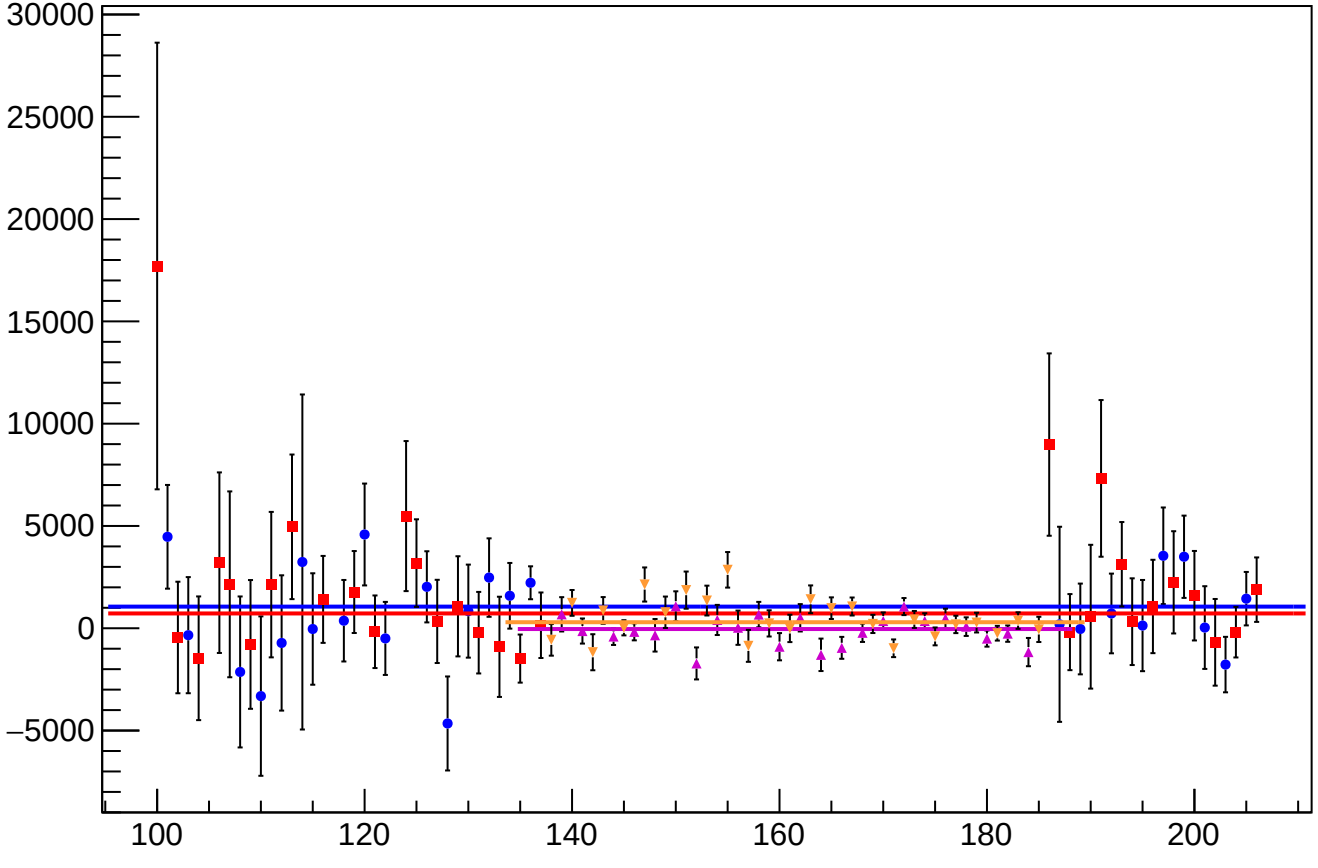
Left In: 445.491+/-0.077 χ^2/NDF:2713303.9/22

+ sign 511.510+/-0.073 χ^2/NDF: 16837343.3/49

All: 516.078+/-0.052 χ^2/NDF: 36543526.7/10

- sign 520.855+/-0.074 χ^2/NDF: 19698080.5/53

asym_sam_26_avg_mean vs Slug



Right In: 1057.621+/-382.977 χ^2/NDF: 24.5/24

Left Out: 295.006+/-106.810 χ^2/NDF:50.5/24

Right Out: 723.589+/-394.598 χ^2/NDF: 23.5/30

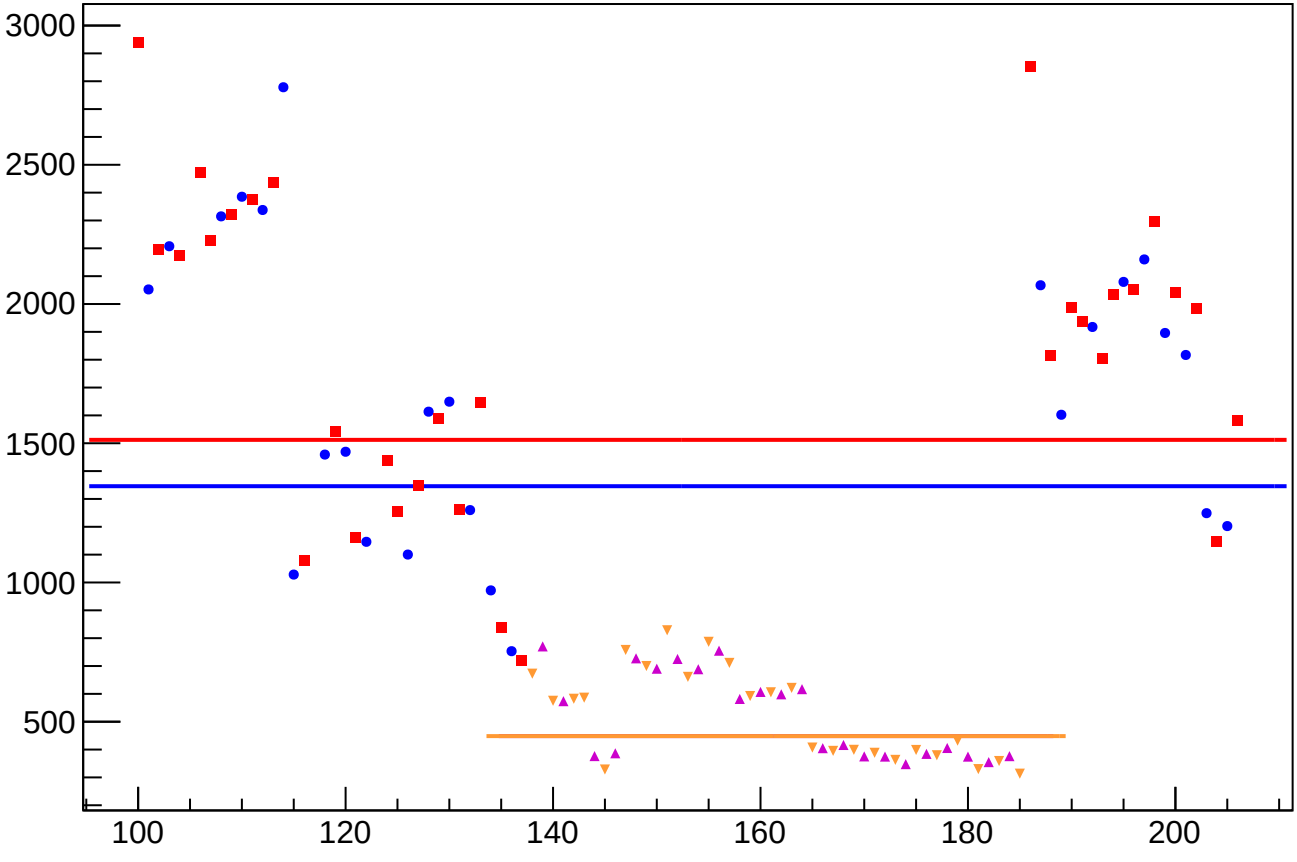
Left In: -38.107+/-109.315 χ^2/NDF:32.9/22

+ sign 350.043+/-102.883 χ^2/NDF: 78.7/49

All: 187.064+/-73.605 χ^2/NDF: 143.7/103

- sign 16.184+/-105.348 χ^2/NDF: 59.9/53

asym_sam_26_avg_rms vs Slug



Right In: 1345.744+/-0.271 χ^2/NDF: 3215961.1/24

Left Out: 448.278+/-0.076 χ^2/NDF:3156909.8/24

Right Out: 1512.161+/-0.279 χ^2/NDF: 3340253.6/30

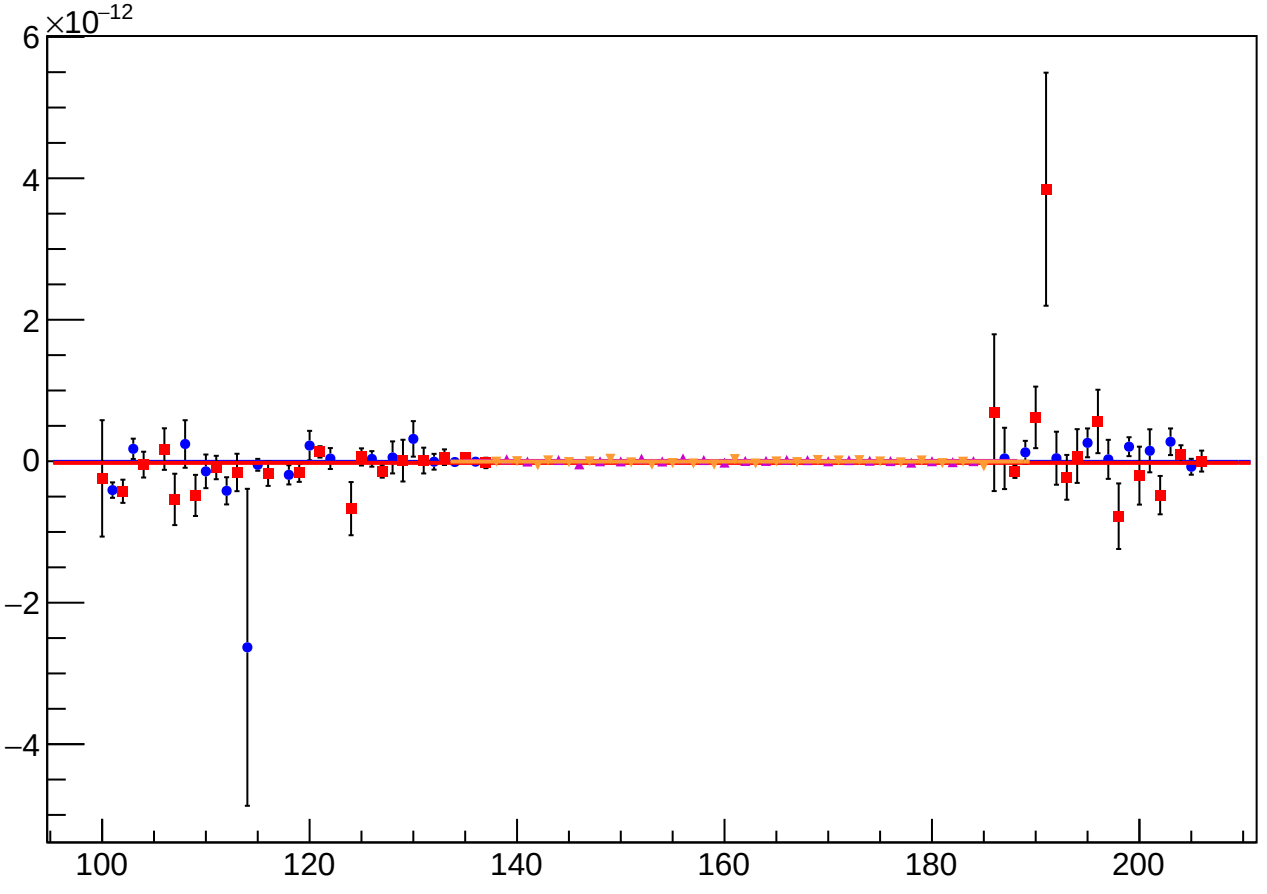
Left In: 448.397+/-0.077 χ^2/NDF:2620759.6/22

+ sign 513.047+/-0.073 χ^2/NDF: 16563209.3/49

All: 518.500+/-0.052 χ^2/NDF: 36034594.6/10

- sign 524.217+/-0.074 χ^2/NDF: 19459875.6/53

asym_sam_26_avg_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 35.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:23.2/24

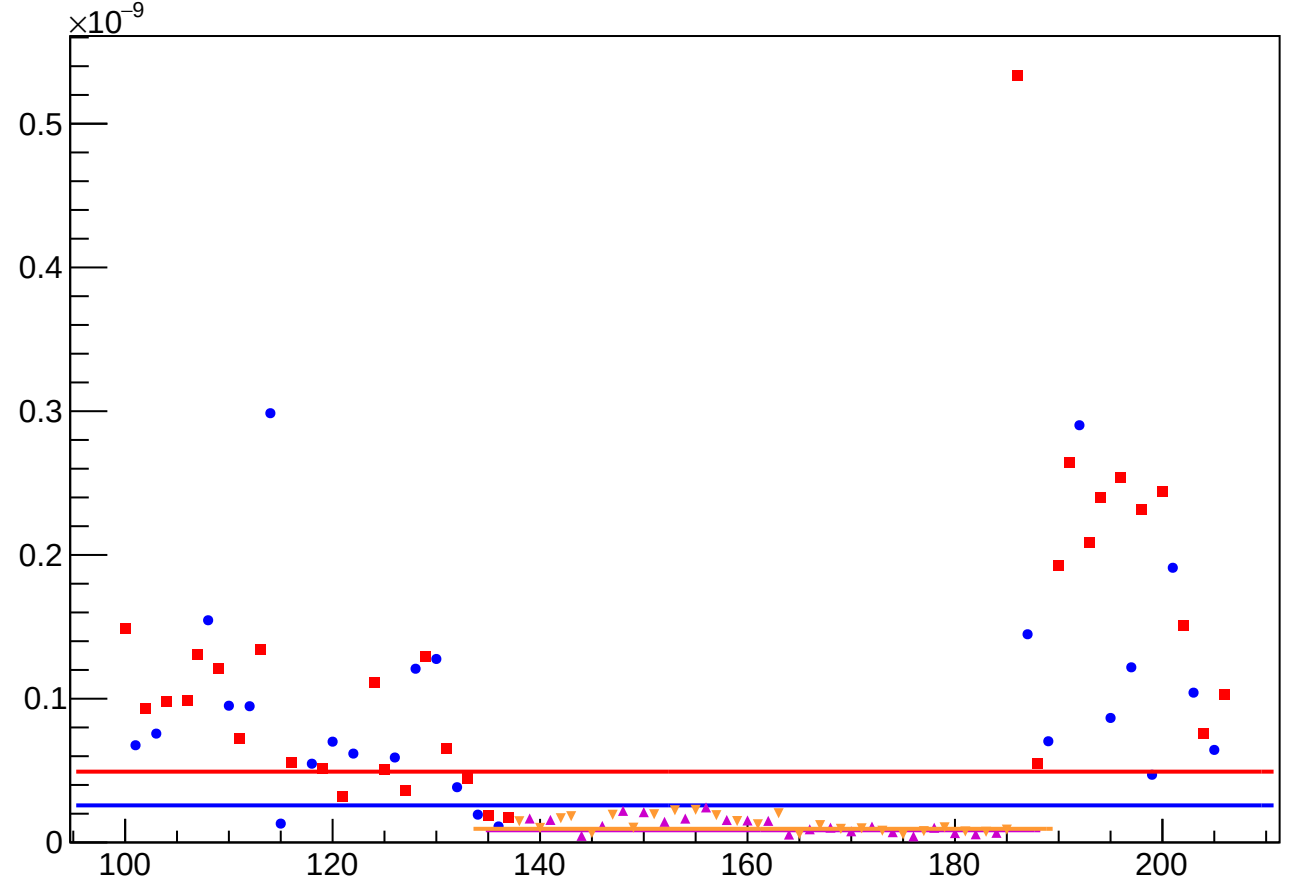
Right Out: -0.000+/-0.000 χ^2/NDF: 44.5/30

Left In: 0.000+/-0.000 χ^2/NDF:16.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.2/49

All: -0.000+/-0.000 χ^2/NDF: 122.9/103

- sign 0.000+/-0.000 χ^2/NDF: 62.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 6466204.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:2422094.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5811931.0/30

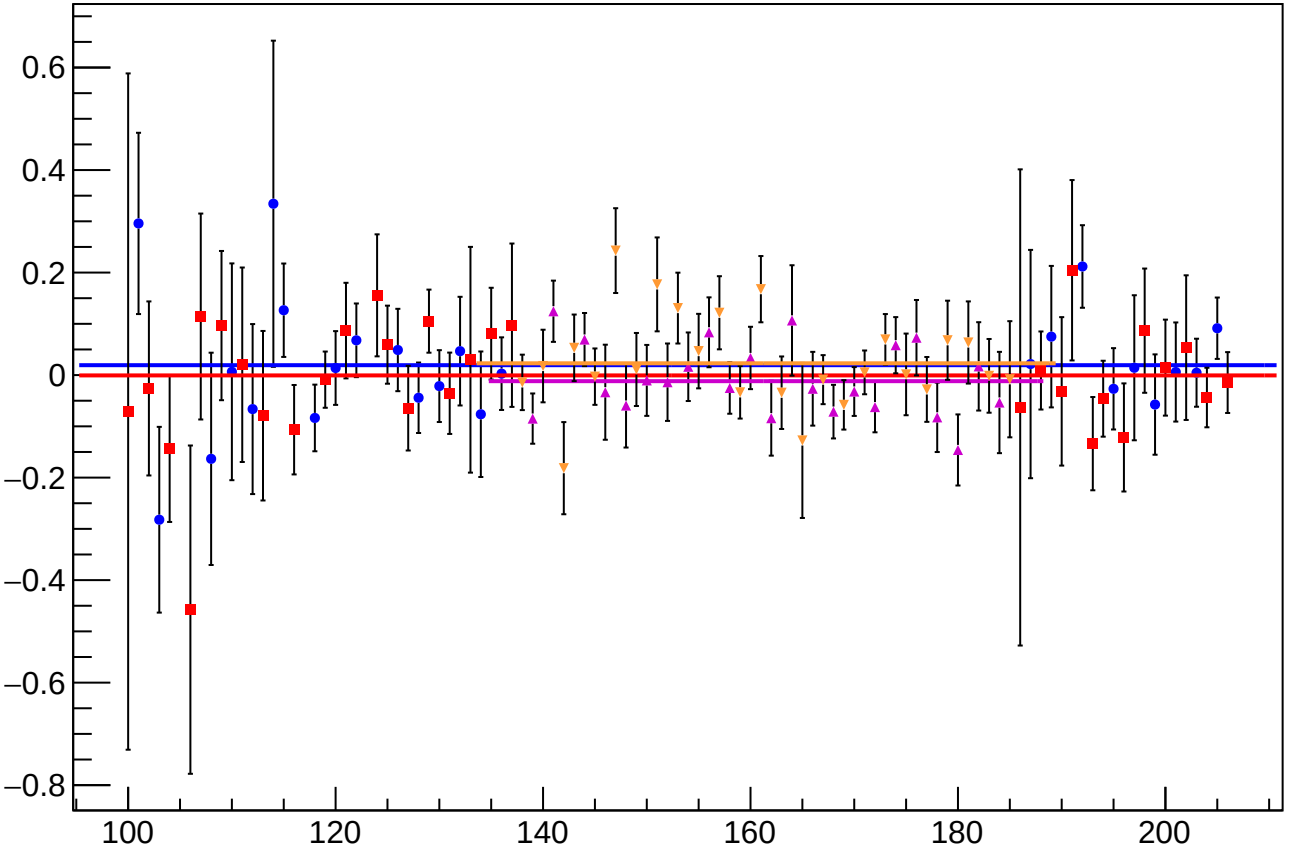
Left In: 0.000+/-0.000 χ^2/NDF:2739291.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 10612063.0/49

All: 0.000+/-0.000 χ^2/NDF: 24417348.1/103

- sign 0.000+/-0.000 χ^2/NDF: 13746744.3/53

asym_sam_26_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

Right Out: -0.001+/-0.017 χ^2/NDF: 20.3/30

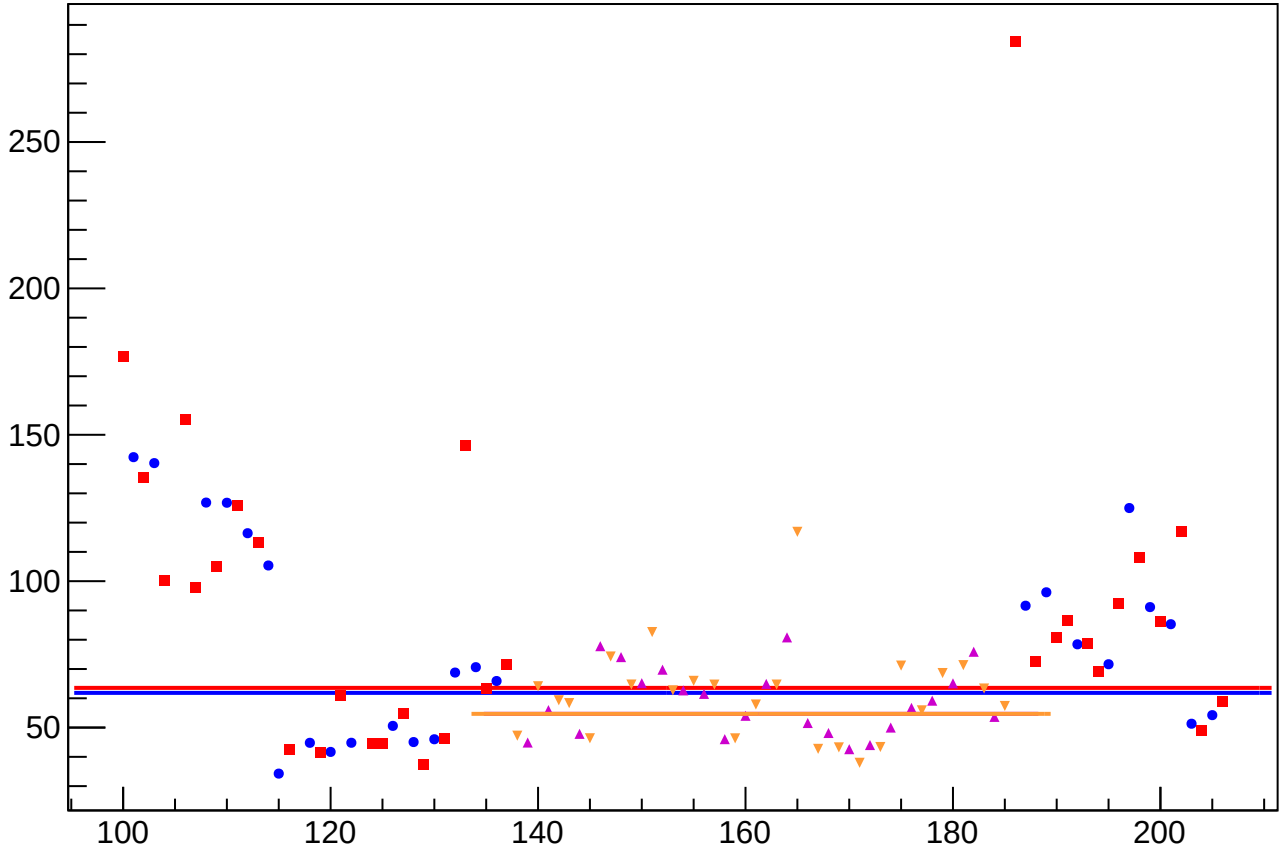
Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 56.2/49

All: 0.007+/-0.007 χ^2/NDF: 106.6/103

- sign -0.008+/-0.011 χ^2/NDF: 46.5/53

asym_sam_26_avg_dit_vs_cor_diff_rms vs Slug



Right In: 61.848+/-0.013 χ^2/NDF: 3358711.0/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

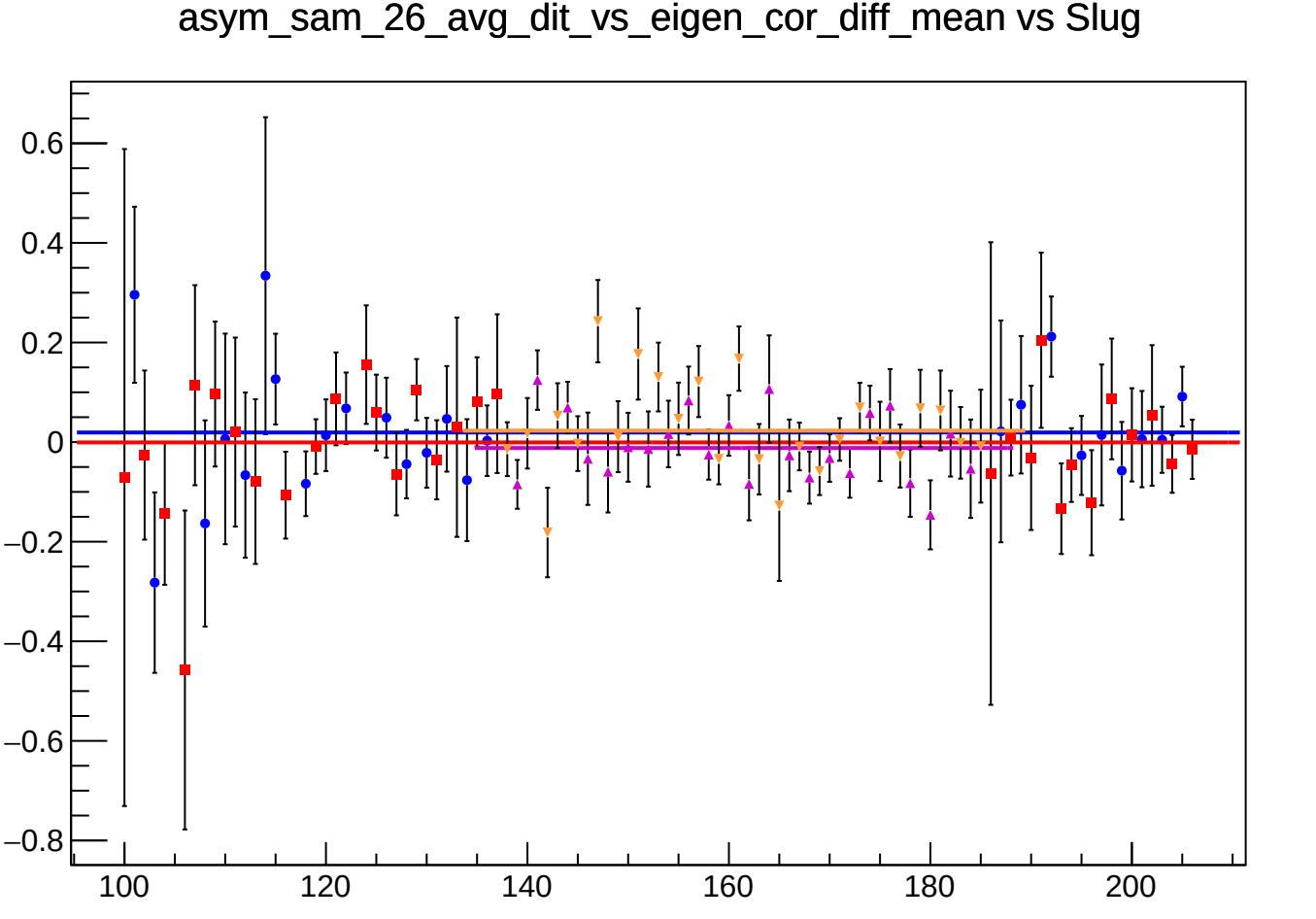
Right Out: 63.558+/-0.012 χ^2/NDF: 4292303.5/30

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

\+ sign 57.066+/-0.007 χ^2/NDF: 5499159.5/49

All: 57.496+/-0.005 χ^2/NDF: 11315648.9/103

\- sign 57.926+/-0.007 χ^2/NDF: 5809855.6/53



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

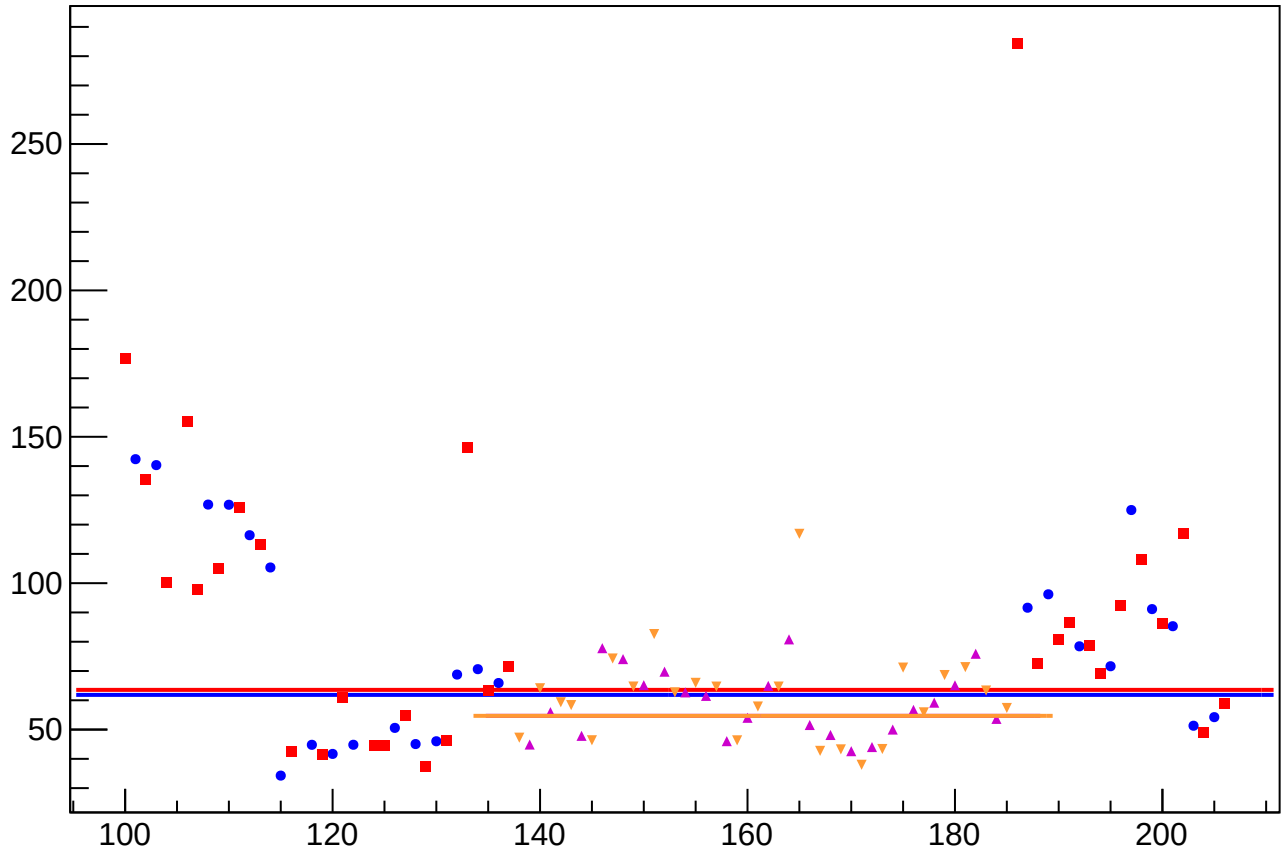
Right Out: -0.001+/-0.017 χ^2/NDF: 20.3/30

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 56.2/49

All: 0.007+/-0.007 χ^2/NDF: 106.6/103

- sign -0.008+/-0.011 χ^2/NDF: 46.5/53



Right In: 61.848+/-0.013 χ^2/NDF: 3358711.0/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936559.5/24

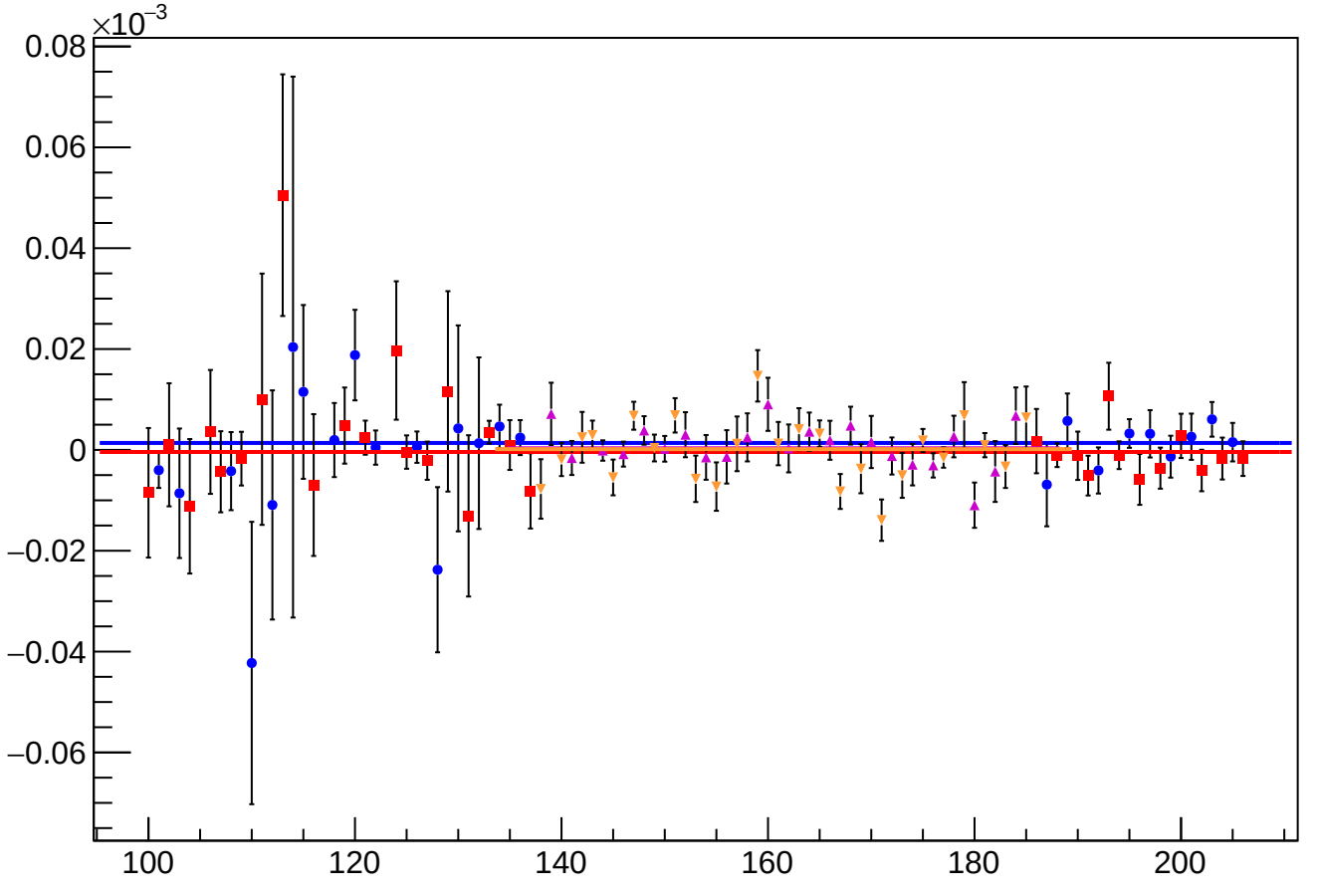
Right Out: 63.558+/-0.012 χ^2/NDF: 4292303.5/30

Left In: 54.688+/-0.009 χ^2/NDF:1190787.0/22

+ sign 57.066+/-0.007 χ^2/NDF: 5499159.5/49

All: 57.496+/-0.005 χ^2/NDF: 11315648.9/103

- sign 57.926+/-0.007 χ^2/NDF: 5809855.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 19.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:53.7/24

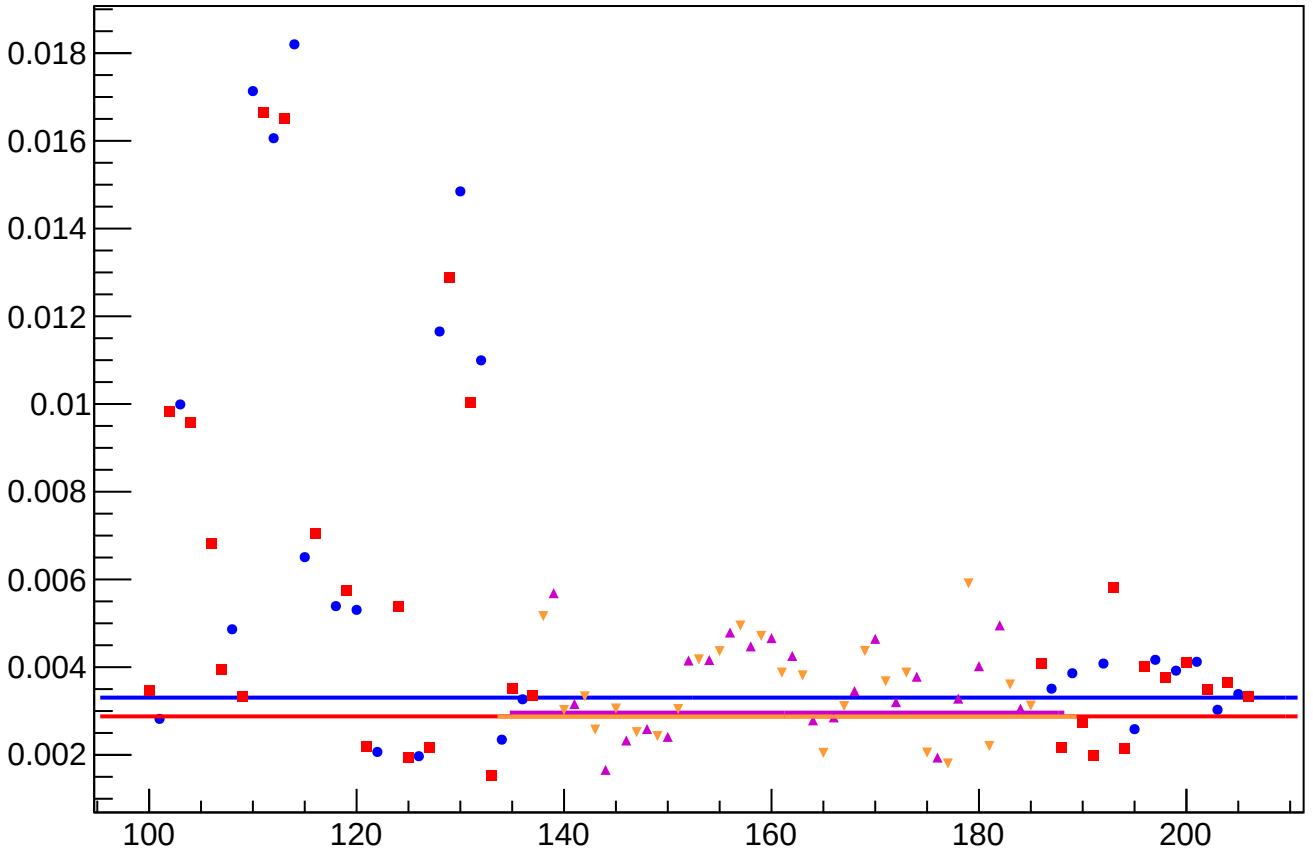
Right Out: -0.000+/-0.000 χ^2/NDF: 22.9/30

Left In: 0.000+/-0.000 χ^2/NDF:20.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 74.4/49

All: 0.000+/-0.000 χ^2/NDF: 118.8/103

- sign -0.000+/-0.000 χ^2/NDF: 44.0/53



Right In: 0.003+/-0.000 χ^2/NDF: 4960248.3/24

Left Out: 0.003+/-0.000 χ^2/NDF:3602368.5/24

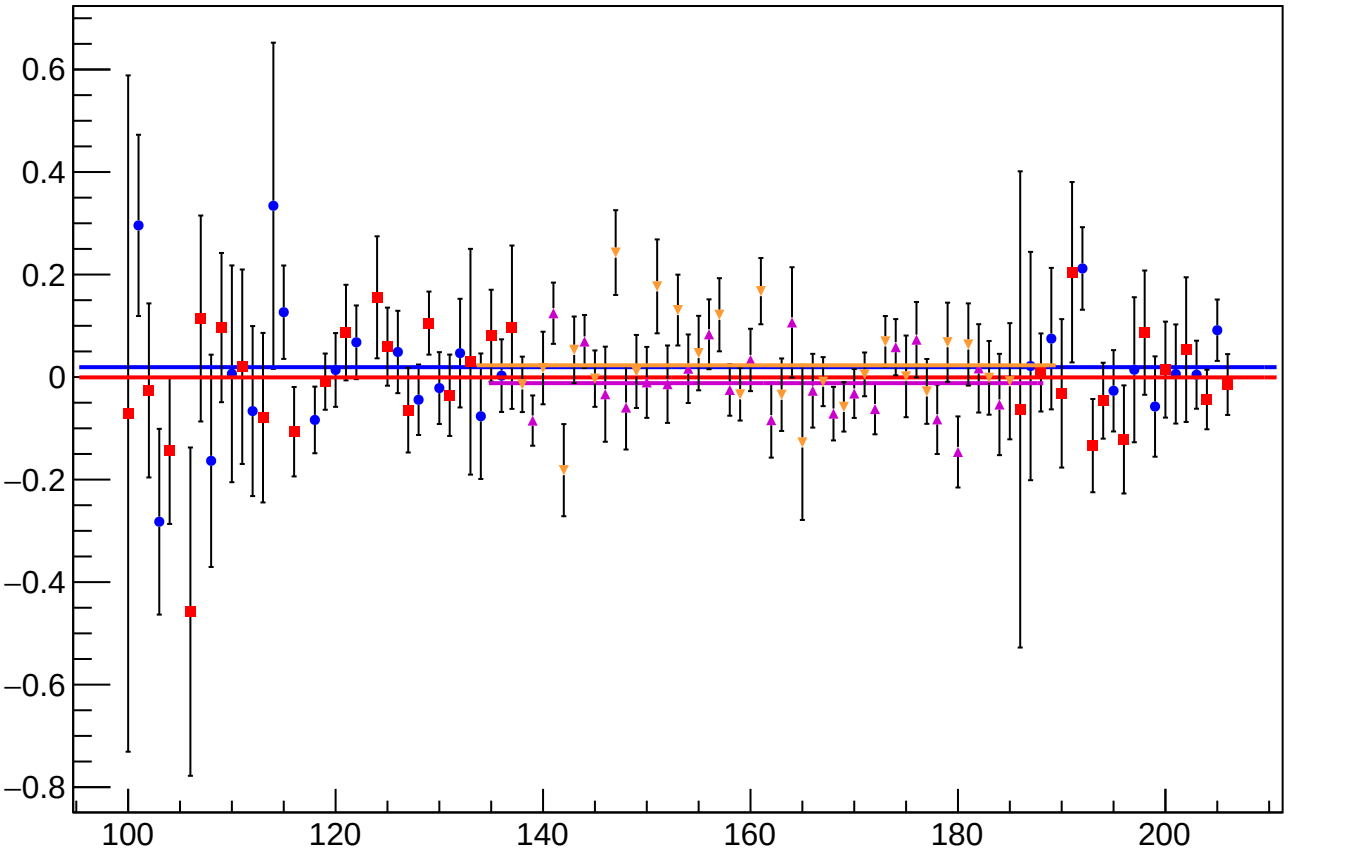
Right Out: 0.003+/-0.000 χ^2/NDF: 6566004.1/30

Left In: 0.003+/-0.000 χ^2/NDF:3619016.3/22

+ sign 0.003+/-0.000 χ^2/NDF: 8816097.8/49

All: 0.003+/-0.000 χ^2/NDF: 19037093.3/103

- sign 0.003+/-0.000 χ^2/NDF: 10196801.1/53



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

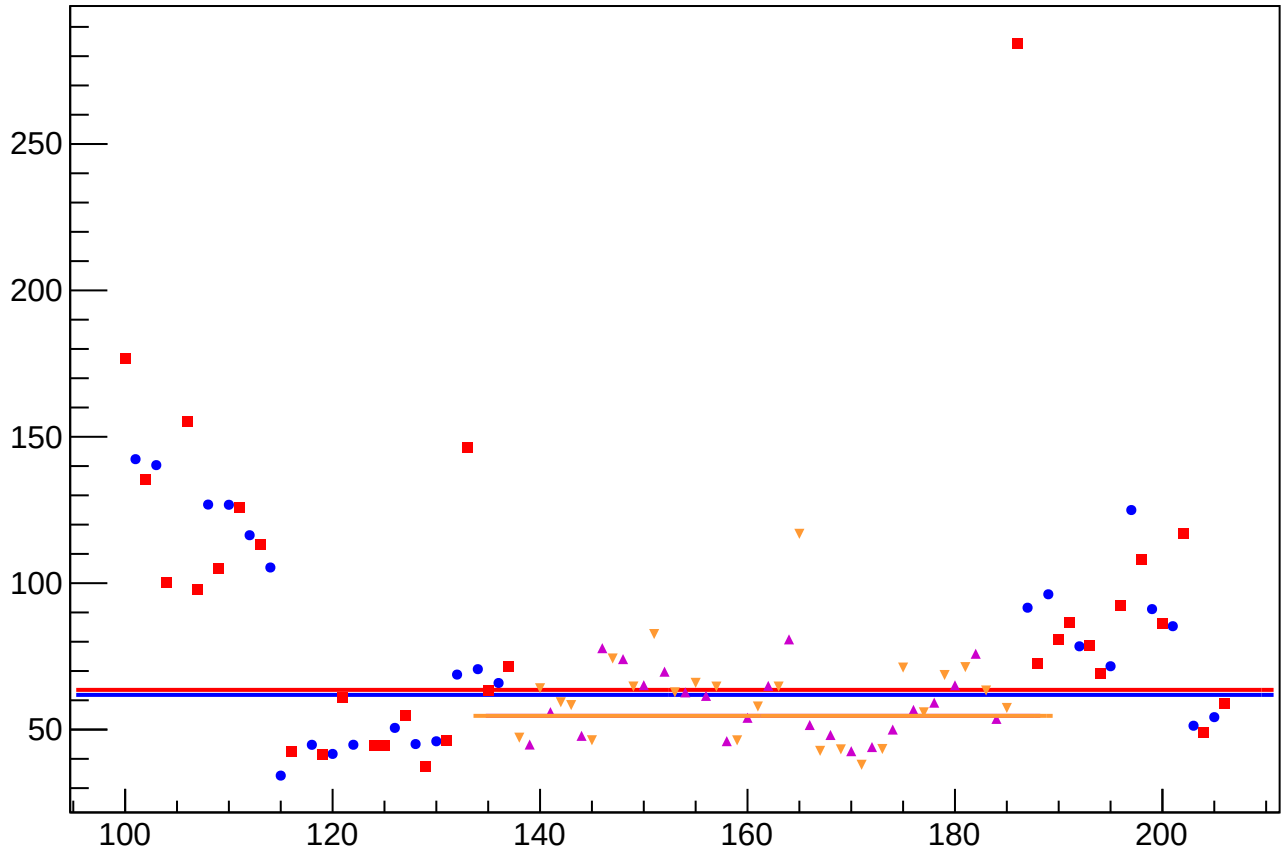
Right Out: -0.001+/-0.017 χ^2/NDF: 20.4/30

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 56.2/49

All: 0.007+/-0.007 χ^2/NDF: 106.6/103

- sign -0.008+/-0.011 χ^2/NDF: 46.5/53



Right In: 61.847+/-0.013 χ^2/NDF: 3358690.8/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

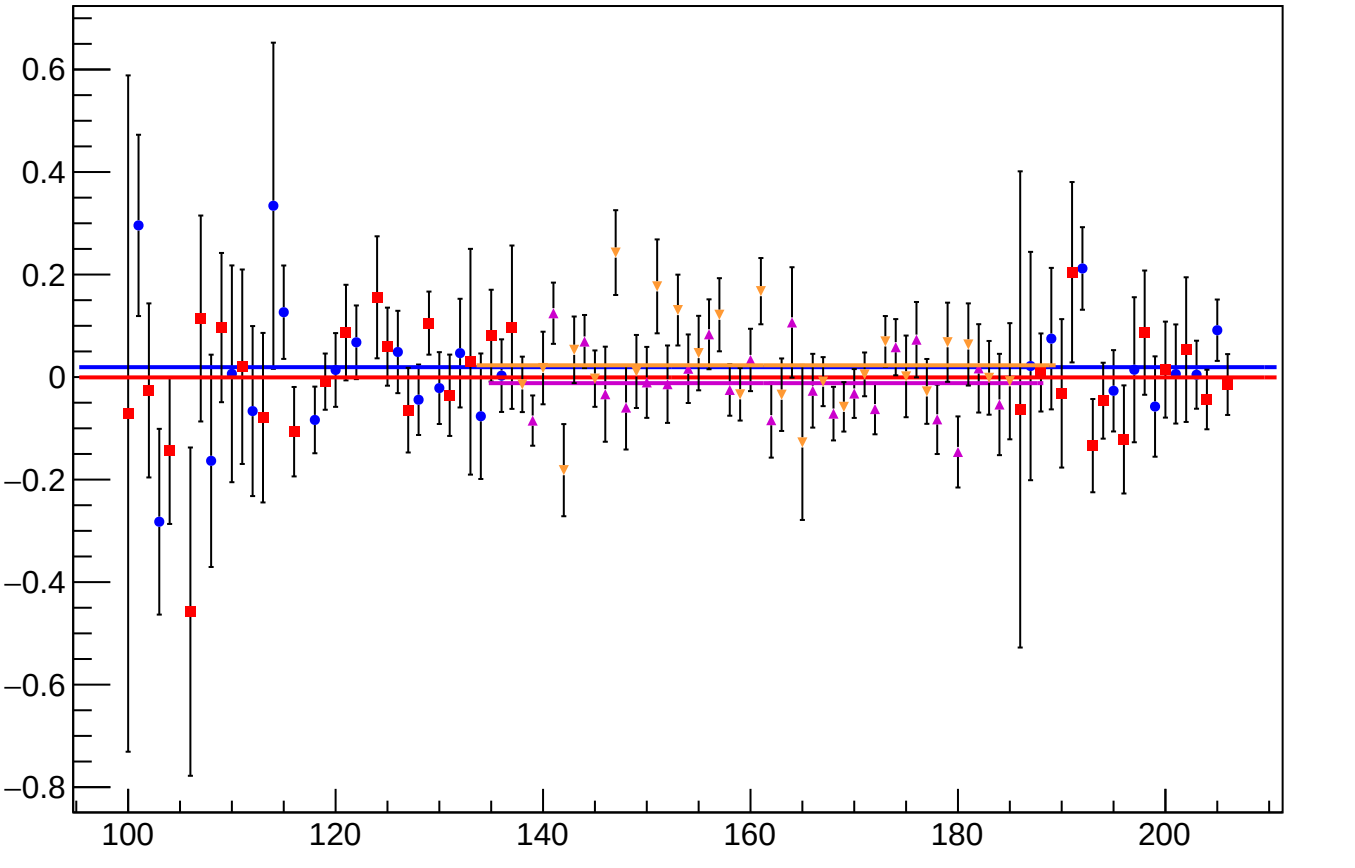
Right Out: 63.557+/-0.012 χ^2/NDF: 4292305.6/30

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 57.066+/-0.007 χ^2/NDF: 5499097.3/49

All: 57.496+/-0.005 χ^2/NDF: 11315497.7/103

- sign 57.927+/-0.007 χ^2/NDF: 5809765.7/53



Right In: 0.019+/-0.018 χ^2/NDF: 22.0/24

Left Out: 0.023+/-0.013 χ^2/NDF:34.2/24

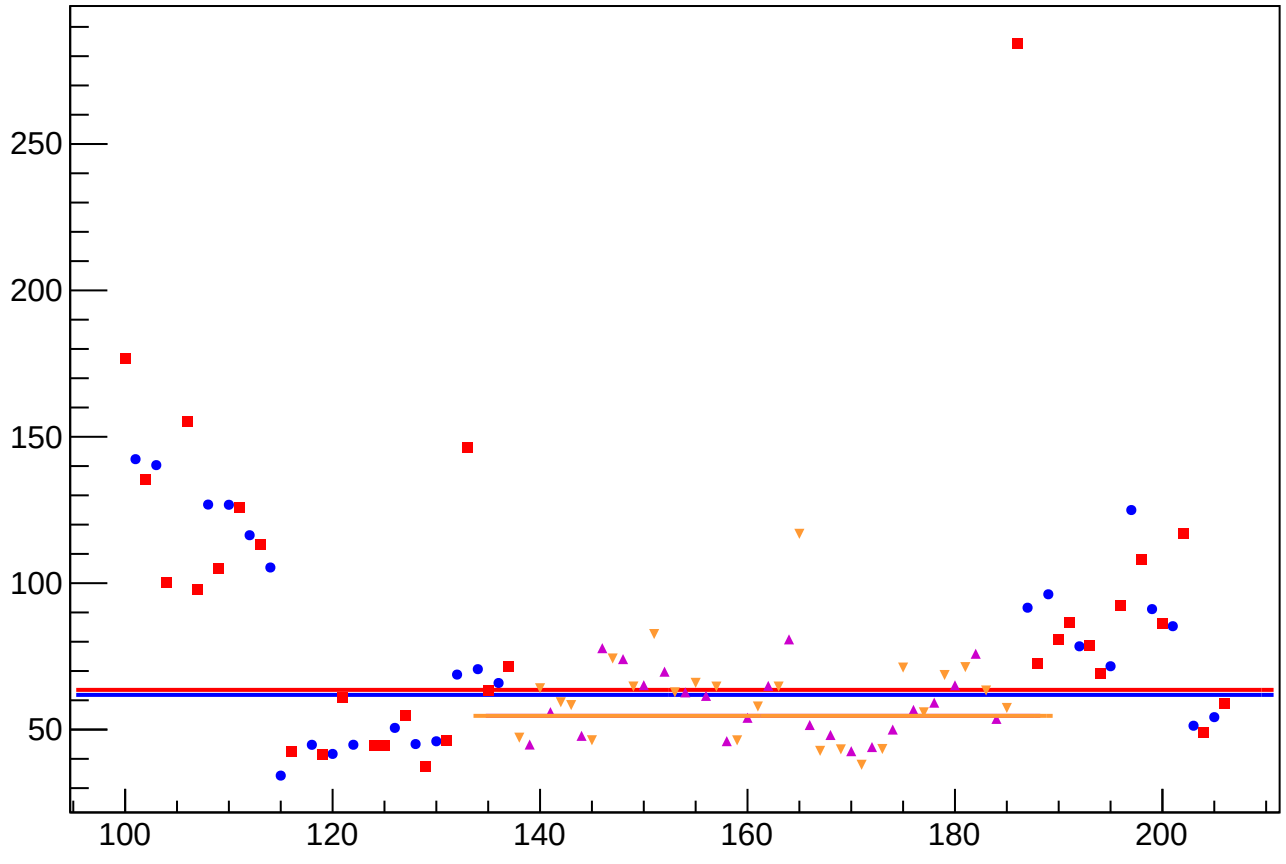
Right Out: -0.001+/-0.017 χ^2/NDF: 20.4/30

Left In: -0.012+/-0.013 χ^2/NDF:25.9/22

+ sign 0.022+/-0.011 χ^2/NDF: 56.2/49

All: 0.007+/-0.007 χ^2/NDF: 106.6/103

- sign -0.008+/-0.011 χ^2/NDF: 46.5/53



Right In: 61.847+/-0.013 χ^2/NDF: 3358690.8/24

Left Out: 54.686+/-0.009 χ^2/NDF:1936555.1/24

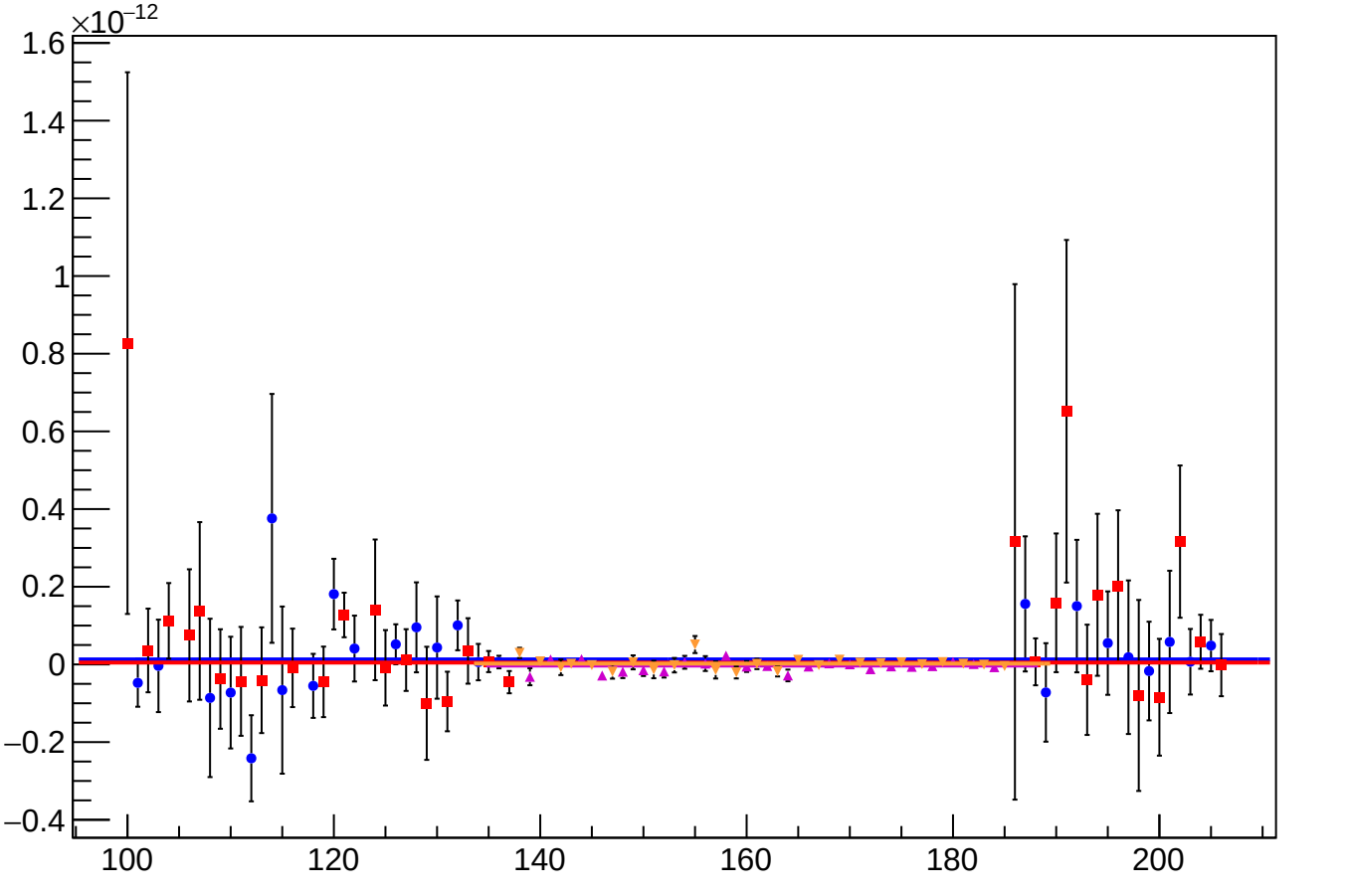
Right Out: 63.557+/-0.012 χ^2/NDF: 4292305.6/30

Left In: 54.689+/-0.009 χ^2/NDF:1190755.4/22

+ sign 57.066+/-0.007 χ^2/NDF: 5499097.3/49

All: 57.496+/-0.005 χ^2/NDF: 11315497.7/103

- sign 57.927+/-0.007 χ^2/NDF: 5809765.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 18.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:20.7/24

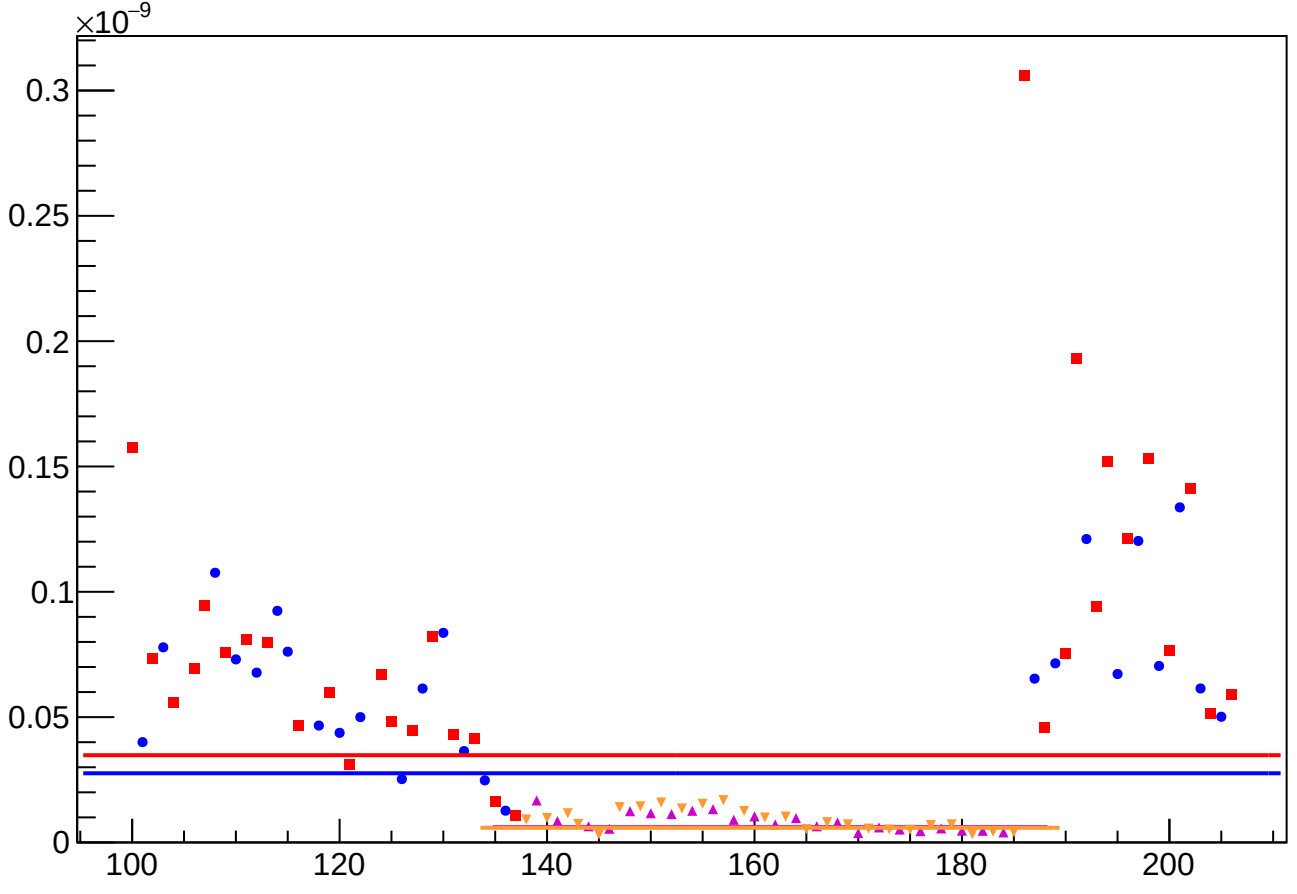
Right Out: 0.000+/-0.000 χ^2/NDF: 23.0/30

Left In: -0.000+/-0.000 χ^2/NDF:33.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 39.4/49

All: -0.000+/-0.000 χ^2/NDF: 99.5/103

- sign -0.000+/-0.000 χ^2/NDF: 56.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 6988080.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:5538819.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7820001.5/30

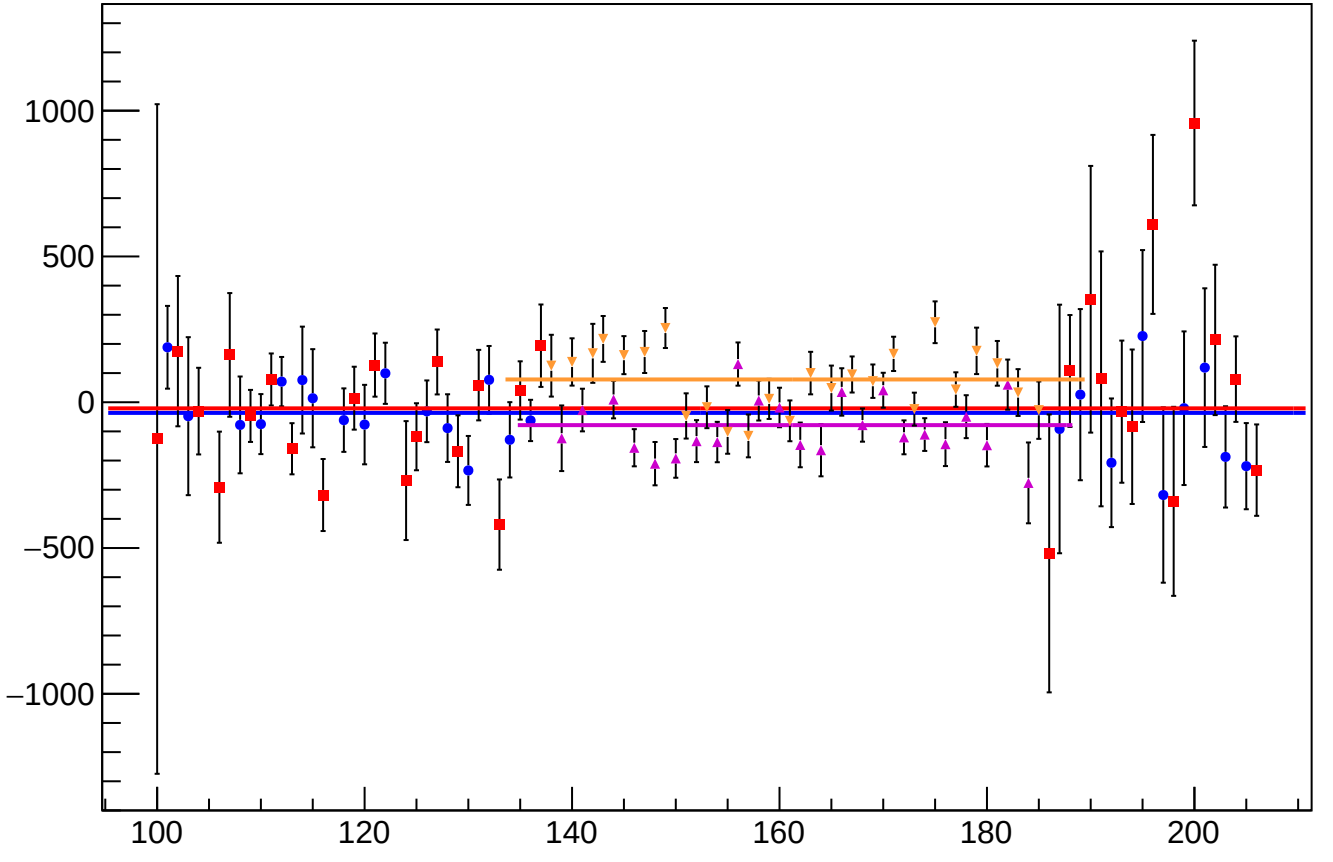
Left In: 0.000+/-0.000 χ^2/NDF:3304370.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 18652067.1/49

All: 0.000+/-0.000 χ^2/NDF: 37926528.9/103

- sign 0.000+/-0.000 χ^2/NDF: 19248345.9/53

reg_asym_sam_37_avg_mean vs Slug



Right In: -36.521+/-27.083 χ^2/NDF: 16.1/24

Left Out: 78.159+/-14.326 χ^2/NDF:53.9/24

Right Out: -20.987+/-26.328 χ^2/NDF: 53.0/30

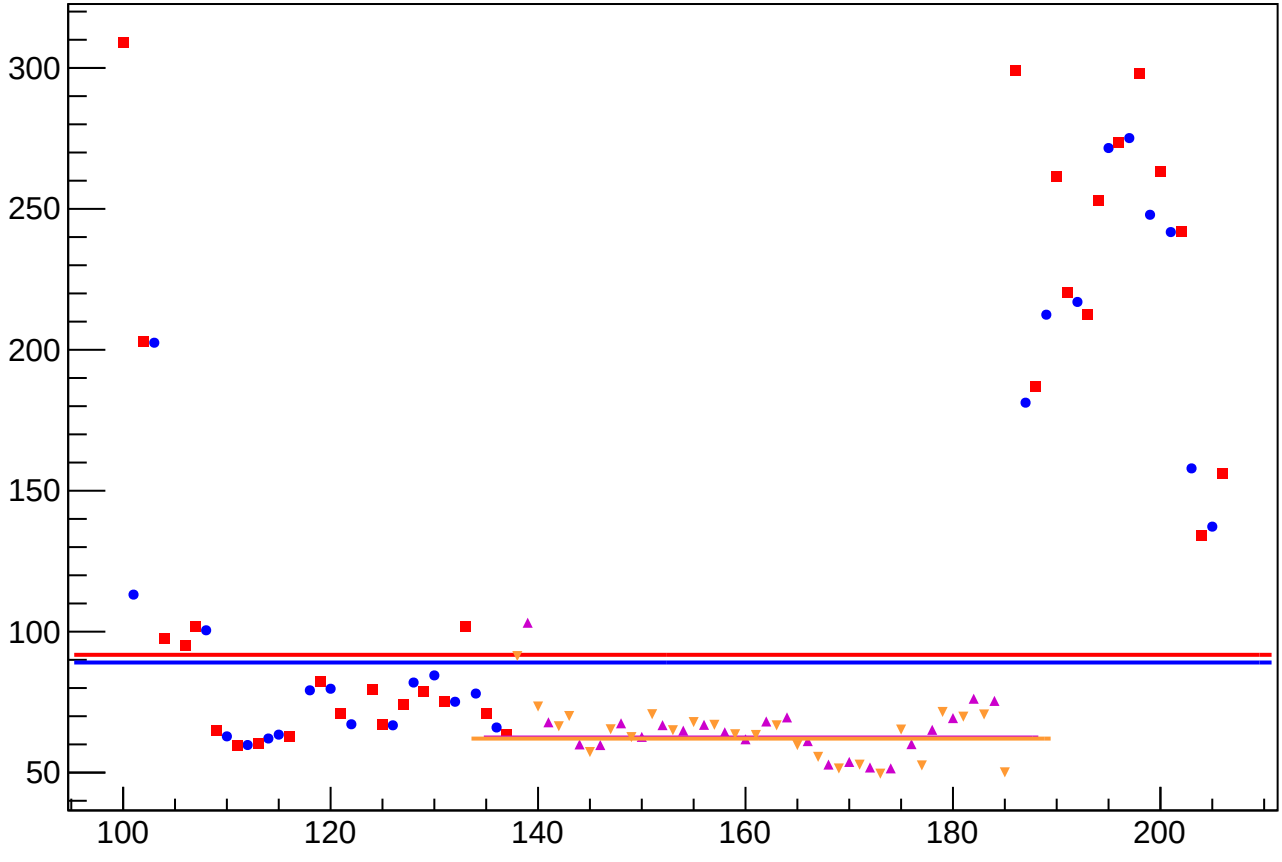
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 53.087+/-12.663 χ^2/NDF: 84.0/49

All: -4.665+/-9.040 χ^2/NDF: 219.7/103

- sign -64.679+/-12.909 χ^2/NDF: 93.3/53

reg_asym_sam_37_avg_rms vs Slug



Right In: 89.056+/-0.019 χ^2/NDF: 5880288.6/24

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

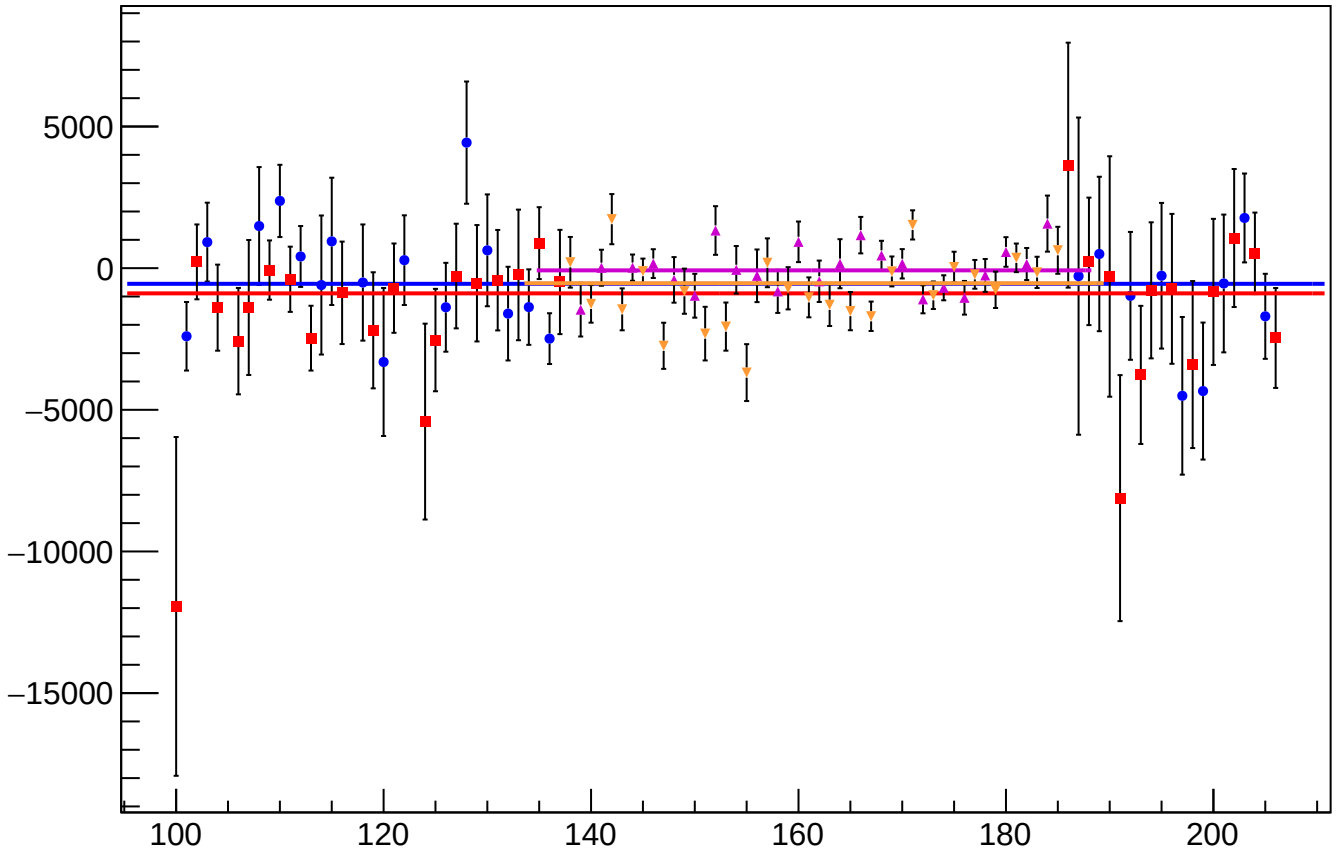
Right Out: 91.784+/-0.019 χ^2/NDF: 7709215.2/30

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 67.964+/-0.009 χ^2/NDF: 8119259.6/49

All: 68.716+/-0.006 χ^2/NDF: 18393988.5/103

- sign 69.498+/-0.009 χ^2/NDF: 10260333.6/53



Right In: -552.408+/-334.380 χ^2/NDF: 31.2/24

Left Out: -532.779+/-127.927 χ^2/NDF:69.1/24

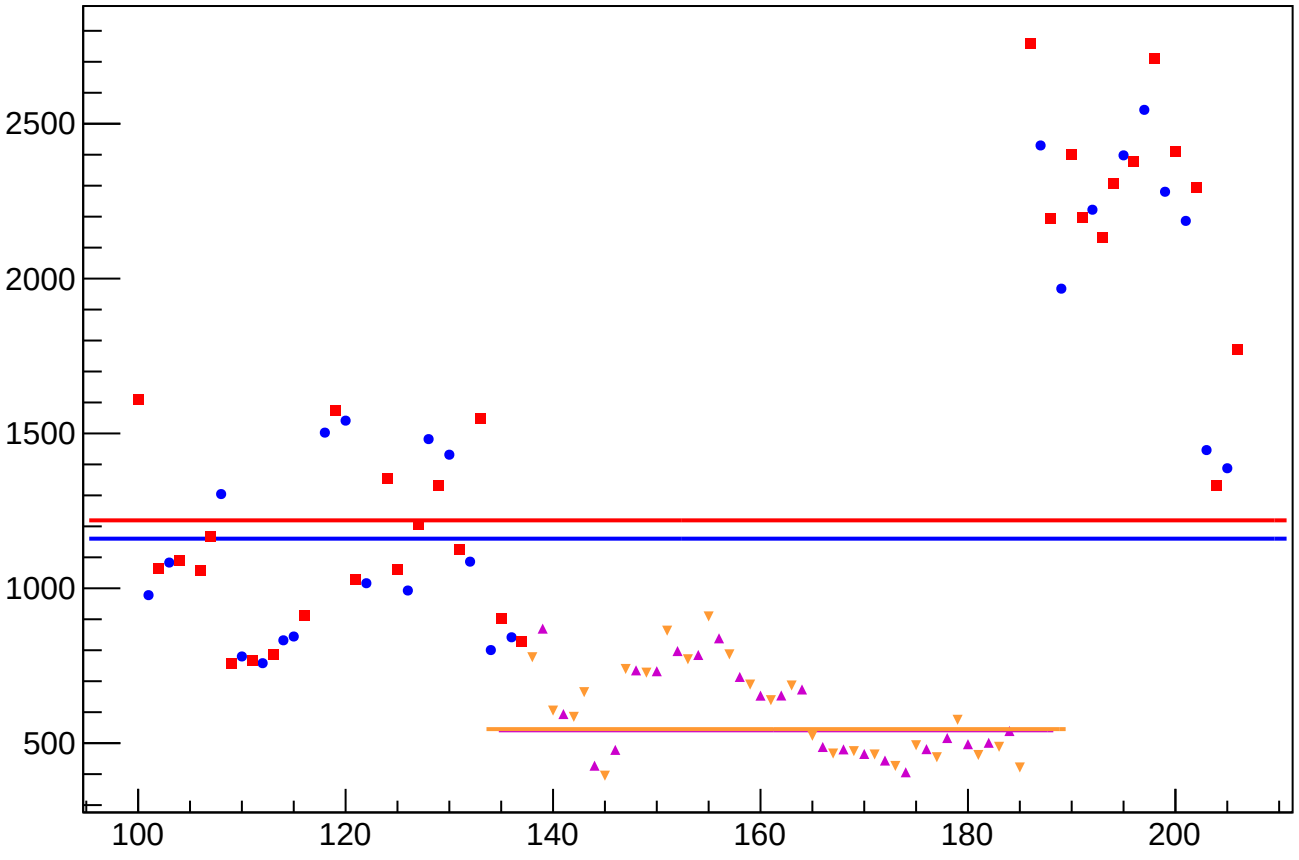
Right Out: -889.673+/-327.911 χ^2/NDF: 21.7/30

Left In: -77.393+/-130.317 χ^2/NDF:28.4/22

+ sign -535.285+/-119.481 χ^2/NDF: 100.3/49

All: -364.077+/-85.054 χ^2/NDF: 159.9/103

- sign -188.186+/-121.104 χ^2/NDF: 55.4/53



Right In: 1160.267+/-0.236 χ^2/NDF: 3793754.9/24

Left Out: 545.304+/-0.090 χ^2/NDF:2083690.3/24

Right Out: 1219.378+/-0.232 χ^2/NDF: 4978914.7/30

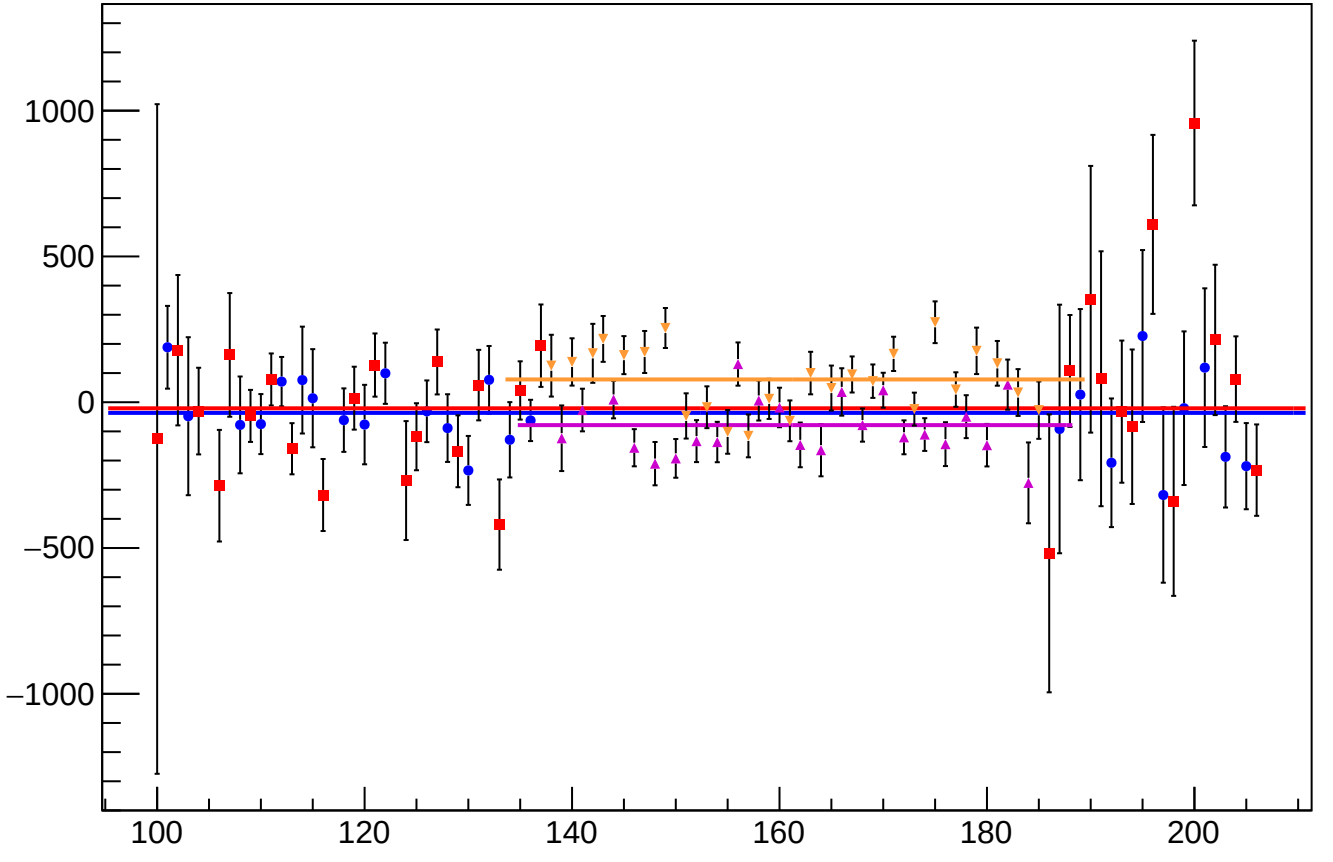
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 623.822+/-0.084 χ^2/NDF: 11778432.1/49

All: 628.805+/-0.060 χ^2/NDF: 25986972.9/10

- sign 633.924+/-0.086 χ^2/NDF: 14201488.5/53

cor_asym_sam_37_avg_mean vs Slug



Right In: -36.529+/-27.083 χ^2/NDF: 16.1/24

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -20.814+/-26.330 χ^2/NDF: 52.9/30

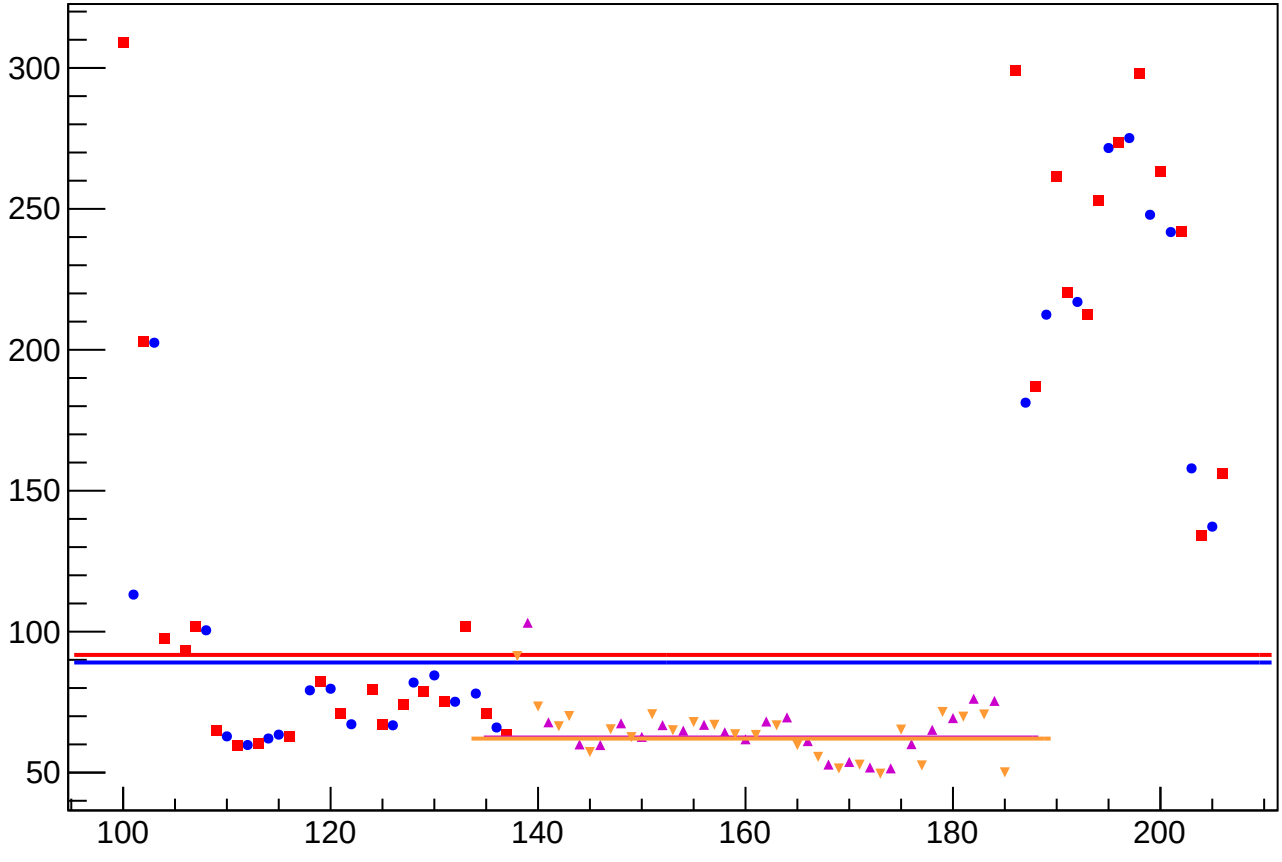
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 53.088+/-12.663 χ^2/NDF: 84.0/49

All: -4.643+/-9.040 χ^2/NDF: 219.6/103

- sign -64.639+/-12.909 χ^2/NDF: 93.2/53

cor_asym_sam_37_avg_rms vs Slug



Right In: 89.056+/-0.019 χ^2/NDF: 5880290.9/24

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

Right Out: 91.751+/-0.019 χ^2/NDF: 7708985.9/30

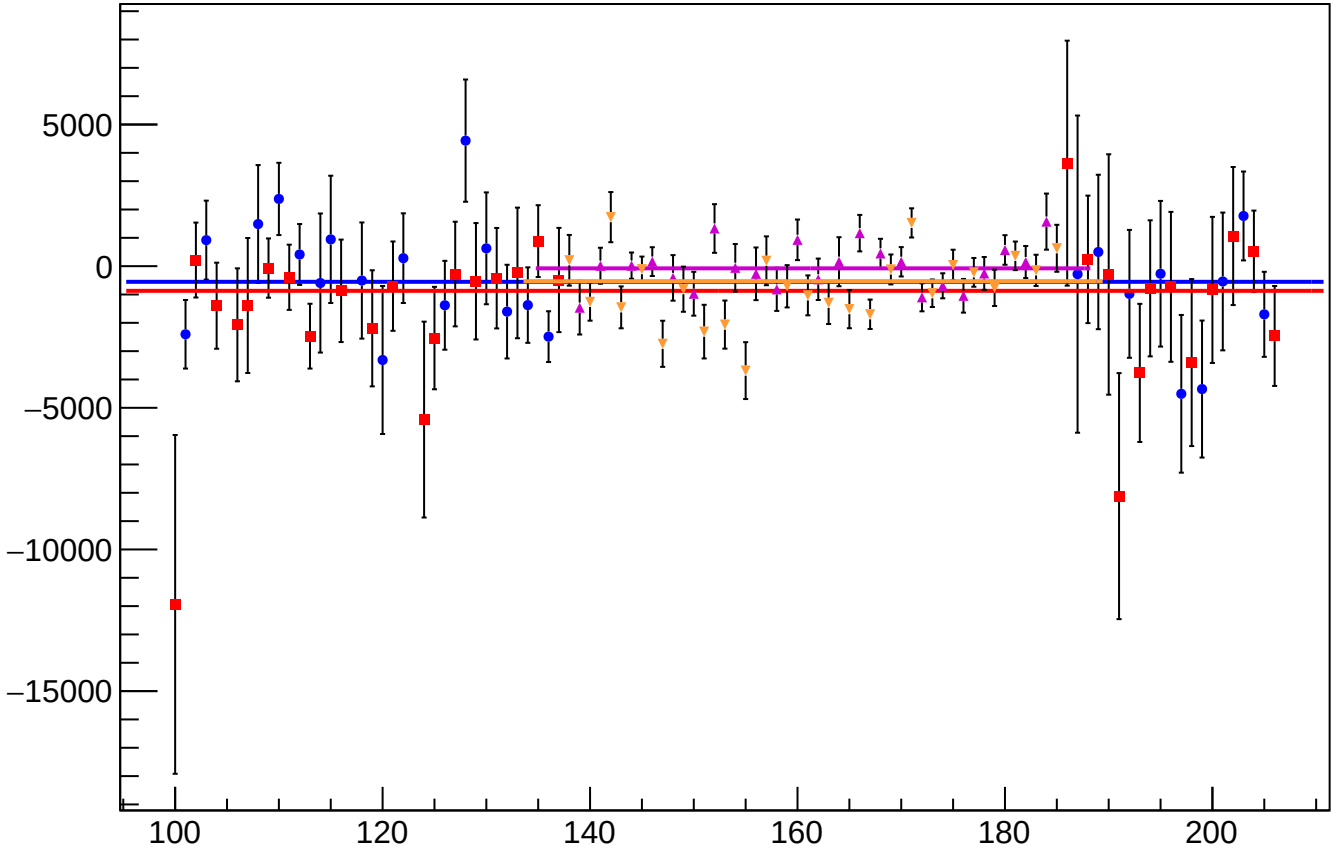
Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 67.964+/-0.009 χ^2/NDF: 8119261.5/49

All: 68.712+/-0.006 χ^2/NDF: 18389141.9/103

- sign 69.489+/-0.009 χ^2/NDF: 10255649.9/53

asym_sam_37_avg_cor_correction_mean vs Slug



Right In: -552.396+/-334.382 χ^2/NDF: 31.2/24

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

Right Out: -870.664+/-328.494 χ^2/NDF: 21.3/30

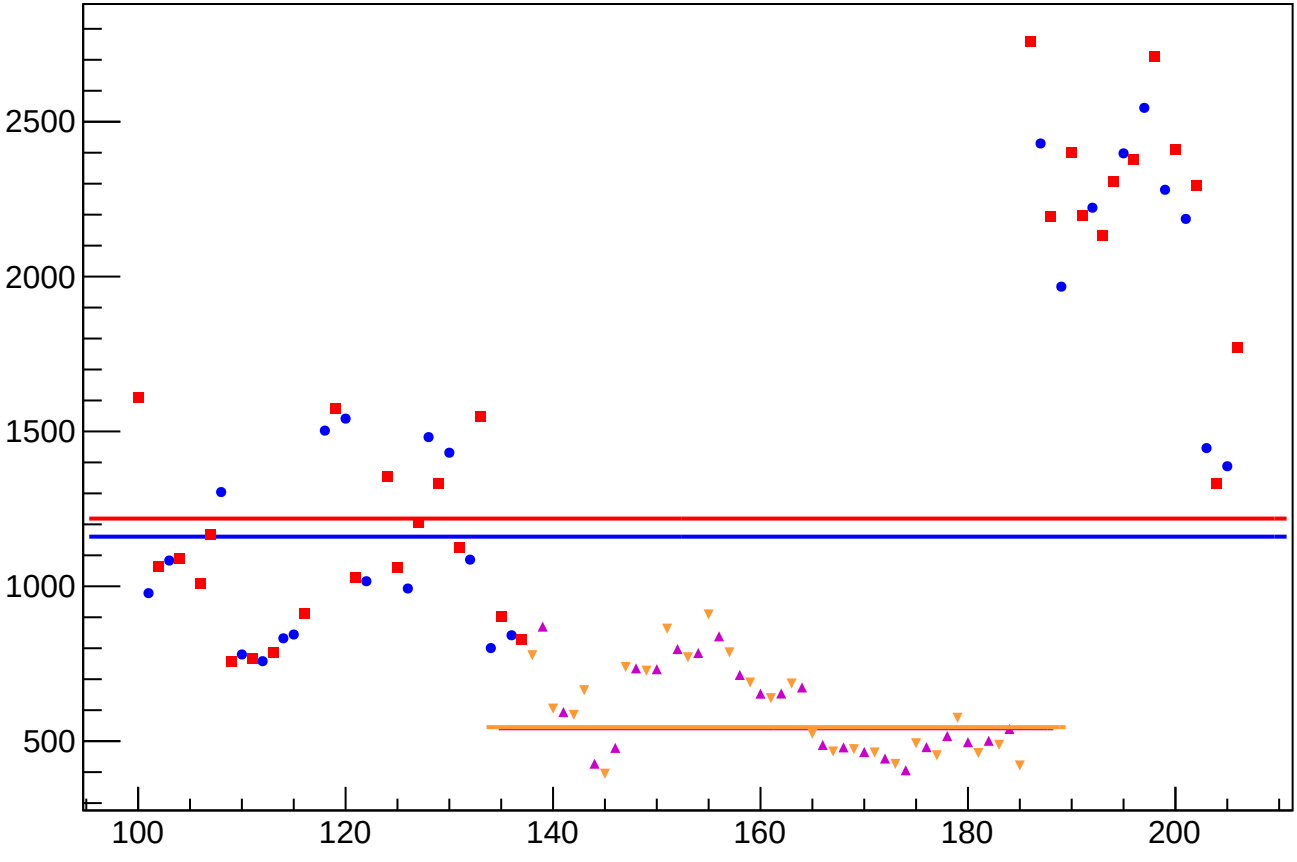
Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -535.281+/-119.481 χ^2/NDF: 100.3/49

All: -362.674+/-85.064 χ^2/NDF: 159.2/103

- sign -185.261+/-121.134 χ^2/NDF: 54.7/53

asym_sam_37_avg_cor_correction_rms vs Slug



Right In: 1160.274+/-0.236 χ^2/NDF: 3793741.3/24

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1218.695+/-0.232 χ^2/NDF: 4985919.0/30

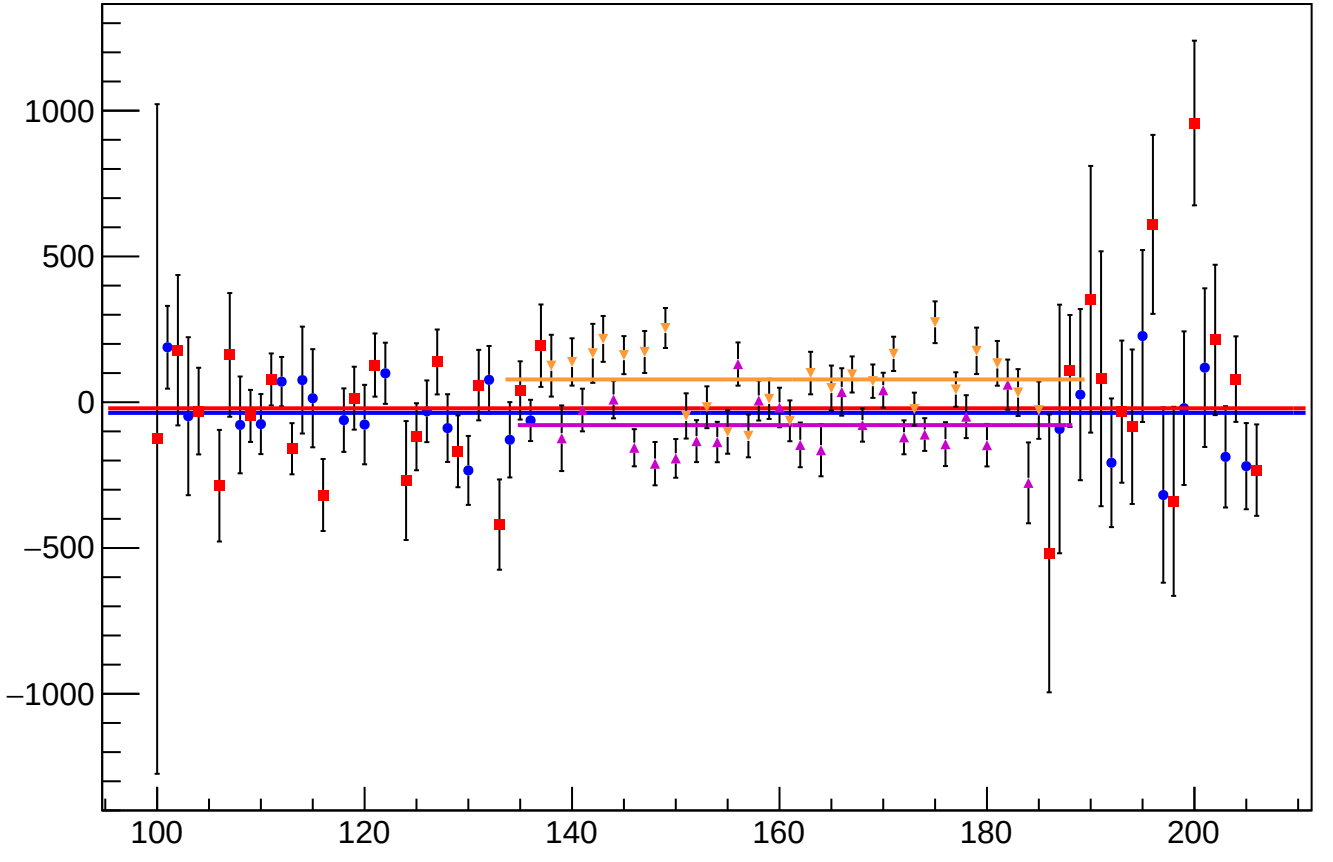
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 623.822+/-0.084 χ^2/NDF: 11778488.1/49

All: 628.618+/-0.060 χ^2/NDF: 25956073.7/10

- sign 633.548+/-0.086 χ^2/NDF: 14171050.1/53

eigen_cor_asym_sam_37_avg_mean vs Slug



Right In: -36.529+/-27.083 χ^2/NDF: 16.1/24

Left Out: 78.162+/-14.326 χ^2/NDF:53.9/24

Right Out: -20.814+/-26.330 χ^2/NDF: 52.9/30

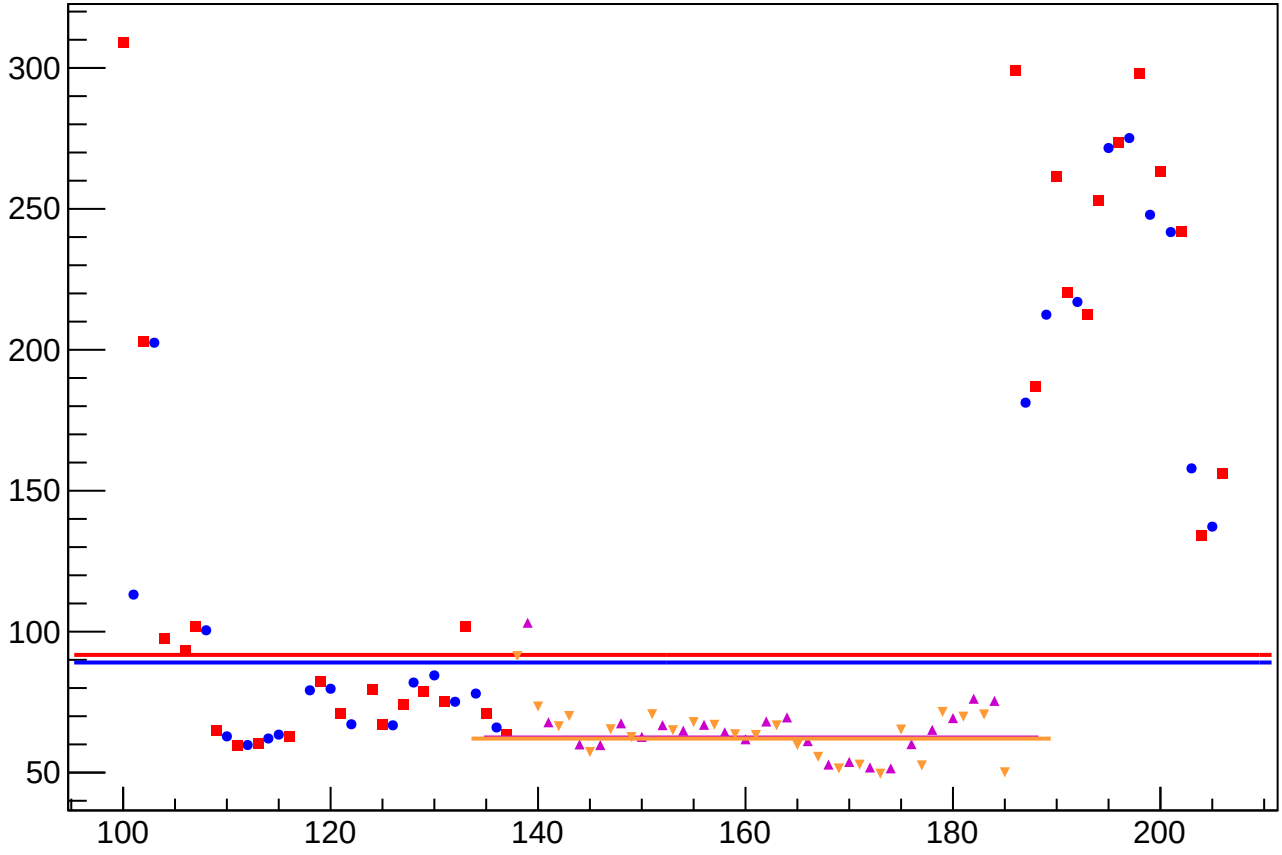
Left In: -78.506+/-14.811 χ^2/NDF:36.7/22

+ sign 53.088+/-12.663 χ^2/NDF: 84.0/49

All: -4.643+/-9.040 χ^2/NDF: 219.6/103

- sign -64.639+/-12.909 χ^2/NDF: 93.2/53

eigen_cor_asym_sam_37_avg_rms vs Slug



Right In: 89.056+/-0.019 χ^2/NDF: 5880290.9/24

Left Out: 62.063+/-0.010 χ^2/NDF:686530.2/24

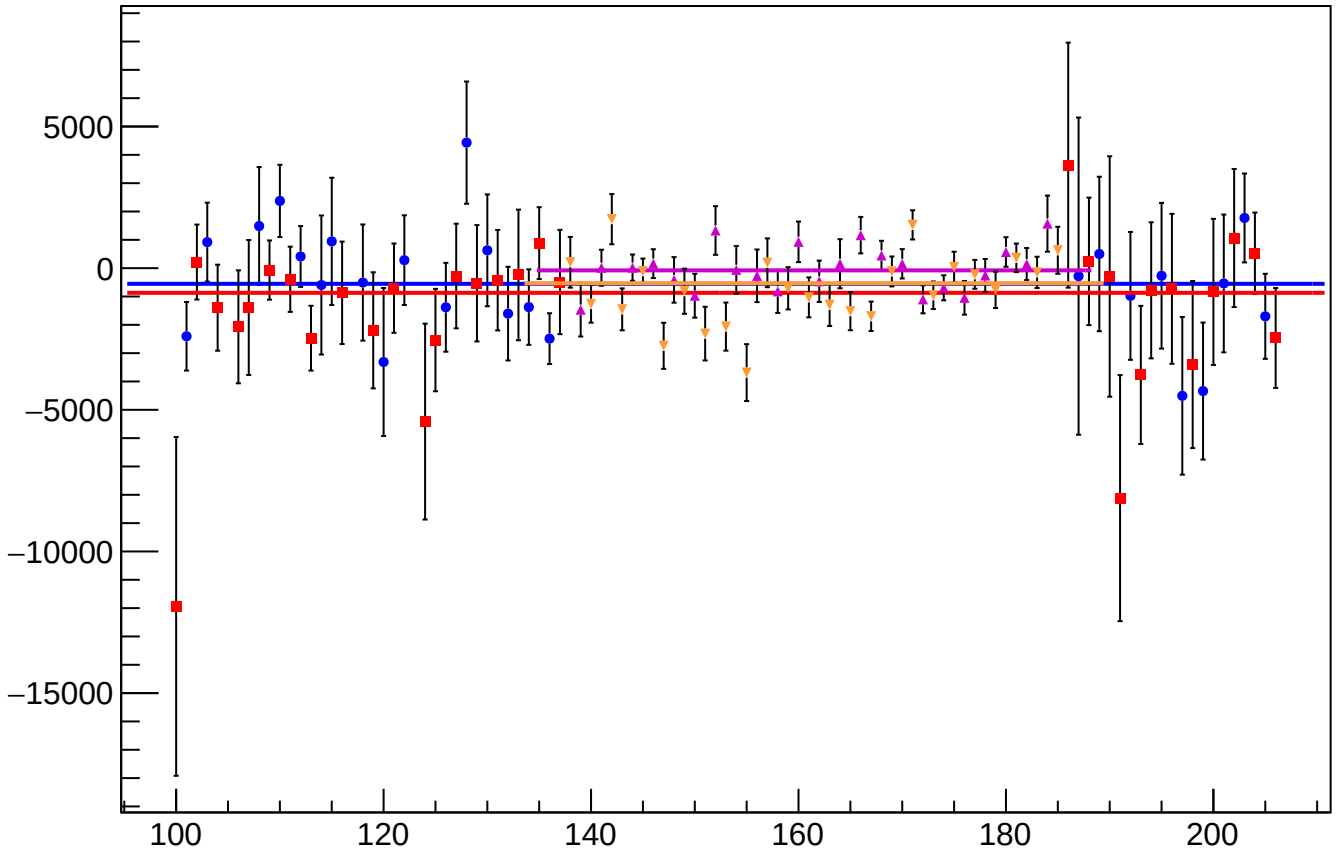
Right Out: 91.751+/-0.019 χ^2/NDF: 7708985.9/30

Left In: 62.445+/-0.010 χ^2/NDF:664644.9/22

+ sign 67.964+/-0.009 χ^2/NDF: 8119261.5/49

All: 68.712+/-0.006 χ^2/NDF: 18389141.9/103

- sign 69.489+/-0.009 χ^2/NDF: 10255649.9/53



Right In: -552.396+/-334.382 χ^2/NDF: 31.2/24

Left Out: -532.776+/-127.927 χ^2/NDF:69.1/24

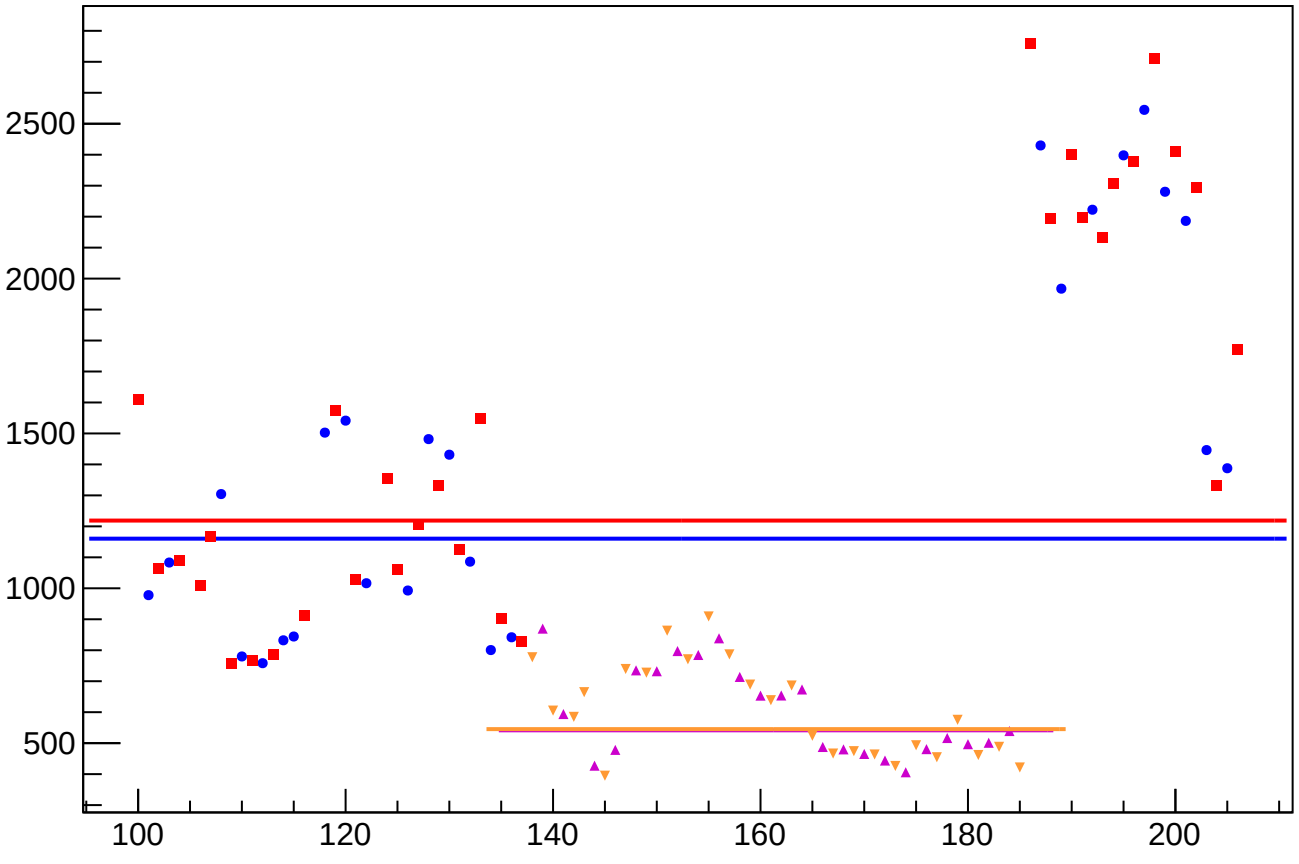
Right Out: -870.664+/-328.494 χ^2/NDF: 21.3/30

Left In: -77.392+/-130.317 χ^2/NDF:28.4/22

+ sign -535.281+/-119.481 χ^2/NDF: 100.3/49

All: -362.674+/-85.064 χ^2/NDF: 159.2/103

- sign -185.261+/-121.134 χ^2/NDF: 54.7/53



Right In: 1160.274+/-0.236 χ^2/NDF: 3793741.3/24

Left Out: 545.304+/-0.090 χ^2/NDF:2083686.2/24

Right Out: 1218.695+/-0.232 χ^2/NDF: 4985919.0/30

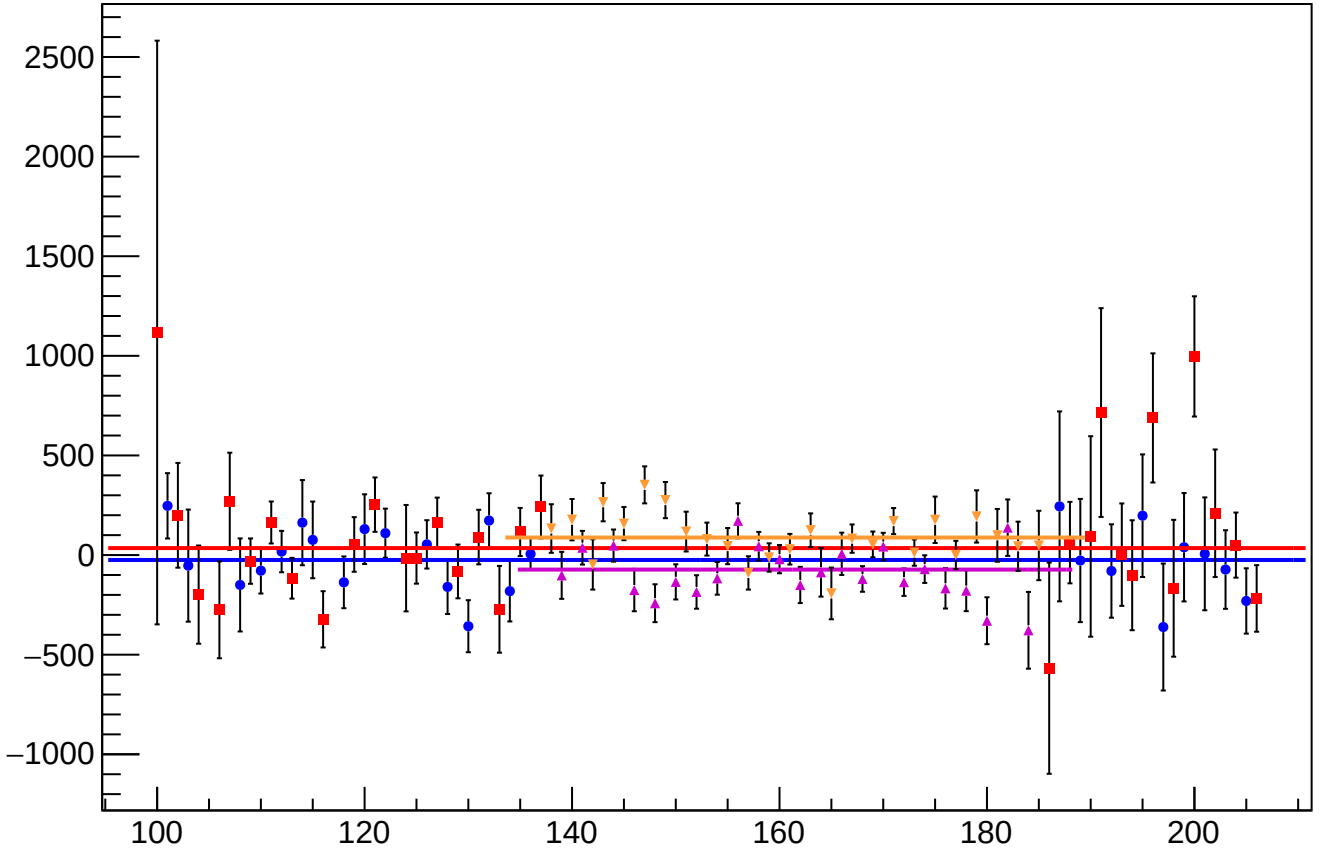
Left In: 541.458+/-0.092 χ^2/NDF:1840342.7/22

+ sign 623.822+/-0.084 χ^2/NDF: 11778488.1/49

All: 628.618+/-0.060 χ^2/NDF: 25956073.7/10

- sign 633.548+/-0.086 χ^2/NDF: 14171050.1/53

dit_asym_sam_37_avg_mean vs Slug



Right In: -24.601+/-31.315 χ^2/NDF: 22.0/24

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 35.034+/-31.058 χ^2/NDF: 44.1/30

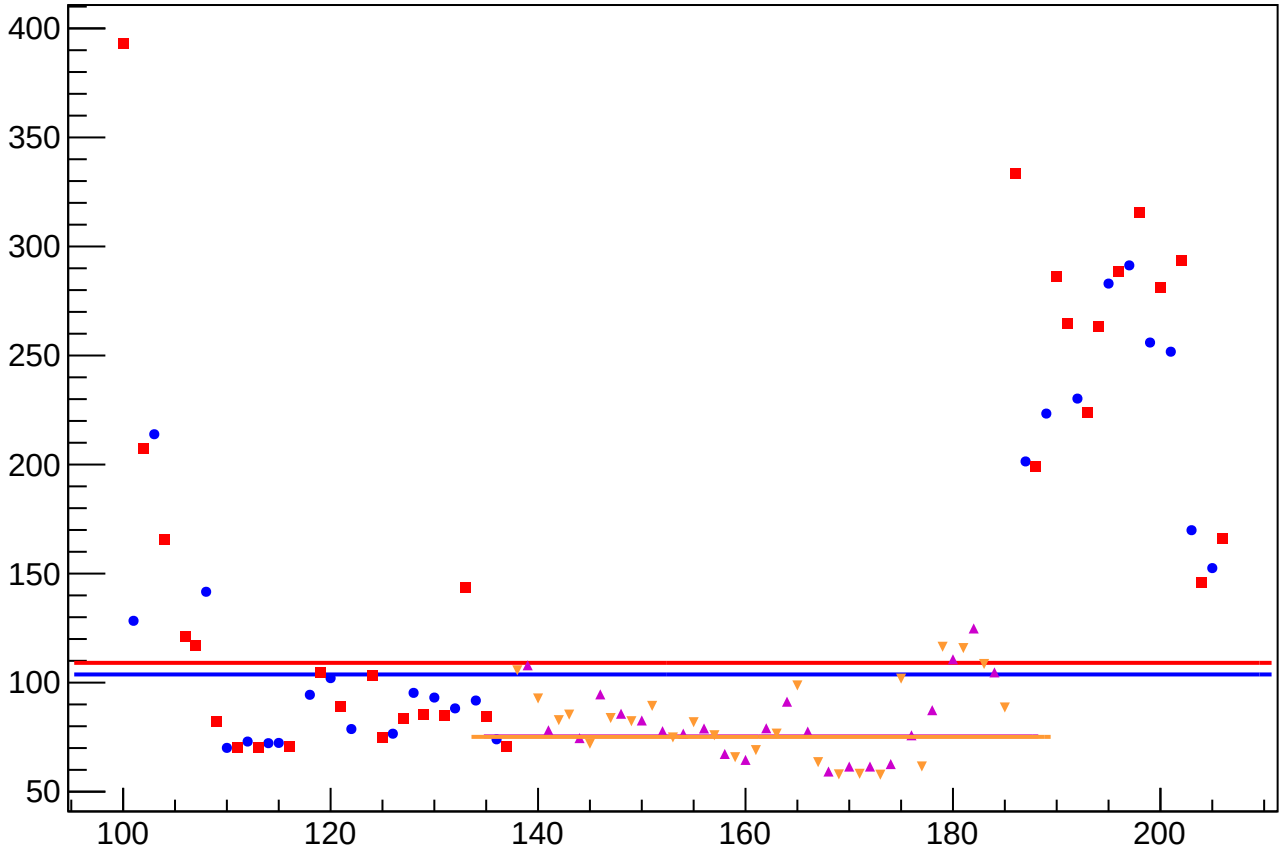
Left In: -72.849+/-18.276 χ^2/NDF:38.4/22

+ sign 60.663+/-15.438 χ^2/NDF: 68.7/49

All: 8.842+/-11.025 χ^2/NDF: 183.3/103

- sign -45.101+/-15.751 χ^2/NDF: 91.5/53

dit_asym_sam_37_avg_rms vs Slug



Right In: 103.749+/-0.022 χ^2/NDF: 5291280.3/24

Left Out: 75.128+/-0.013 χ^2/NDF:1601461.8/24

Right Out: 109.069+/-0.022 χ^2/NDF: 7098992.9/30

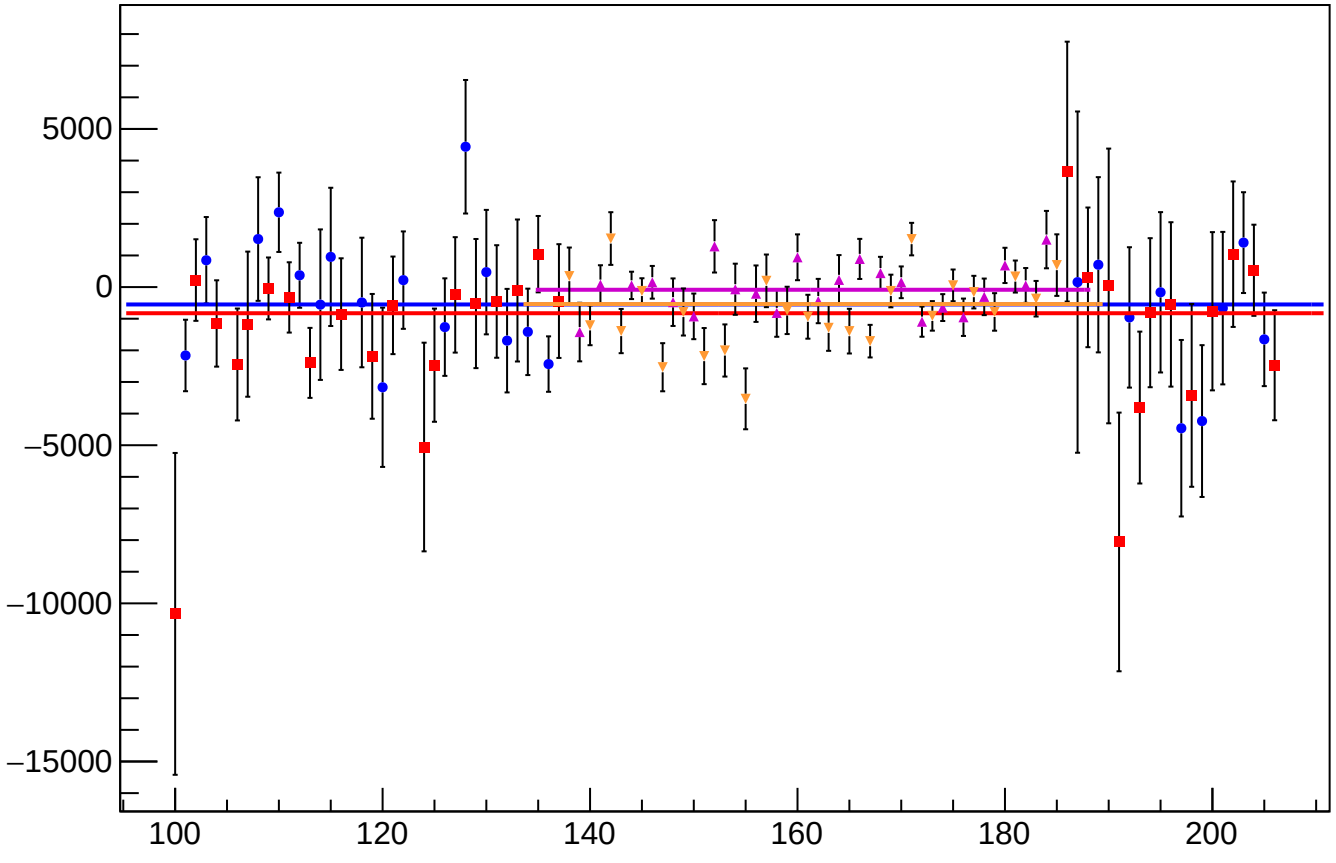
Left In: 75.363+/-0.013 χ^2/NDF:1225318.4/22

+ sign 82.084+/-0.011 χ^2/NDF: 8157386.3/49

All: 83.039+/-0.008 χ^2/NDF: 18247051.7/103

- sign 84.032+/-0.011 χ^2/NDF: 10074062.2/53

asym_sam_37_avg_dit_correction_mean vs Slug



Right In: -549.382+/-327.387 χ^2/NDF: 30.5/24

Left Out: -536.789+/-124.471 χ^2/NDF:67.0/24

Right Out: -826.615+/-316.734 χ^2/NDF: 23.0/30

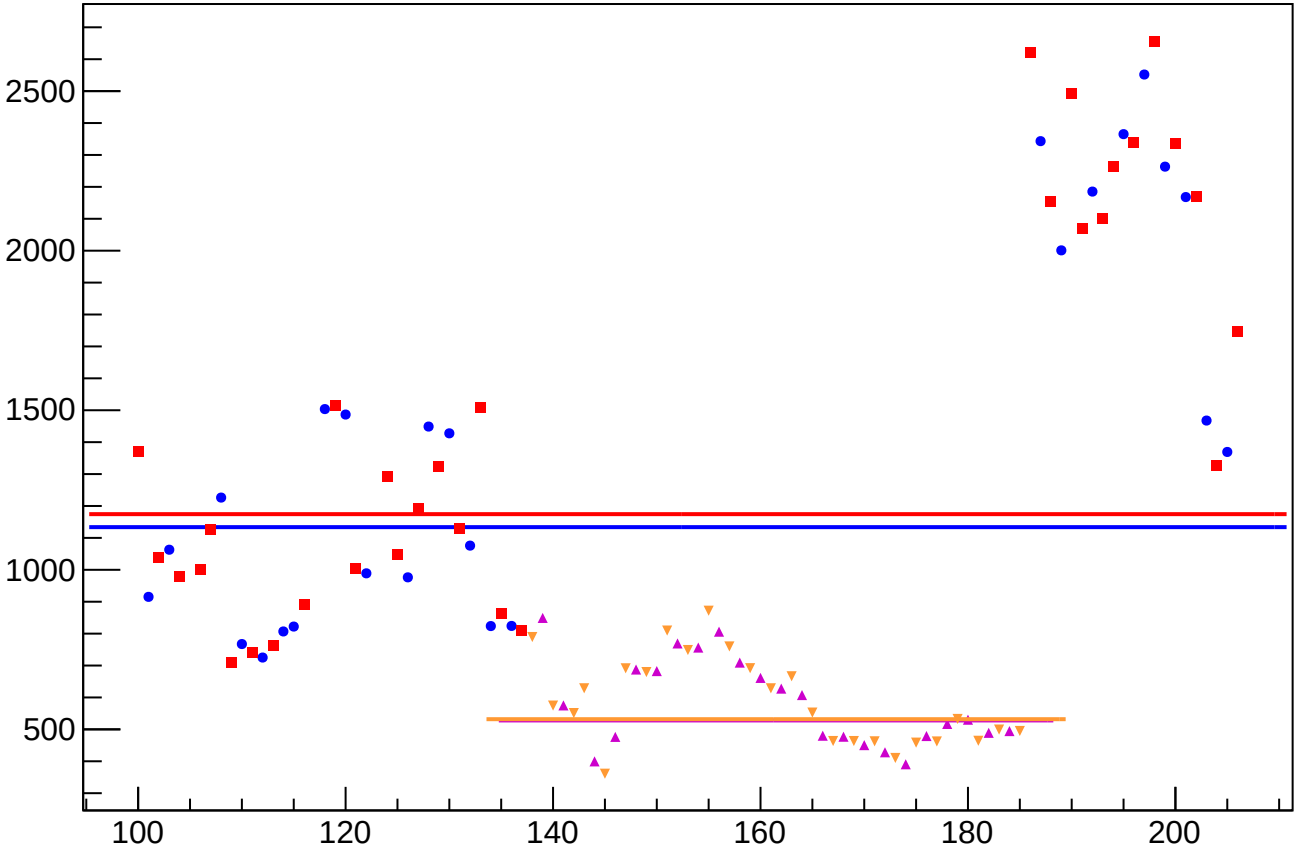
Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -538.380+/-116.346 χ^2/NDF: 97.5/49

All: -365.274+/-82.816 χ^2/NDF: 157.2/103

- sign -187.488+/-117.909 χ^2/NDF: 55.2/53

asym_sam_37_avg_dit_correction_rms vs Slug



Right In: 1133.706+/-0.231 χ^2/NDF: 3921621.6/24

Left Out: 531.872+/-0.088 χ^2/NDF:2037750.0/24

Right Out: 1174.422+/-0.224 χ^2/NDF: 5159698.9/30

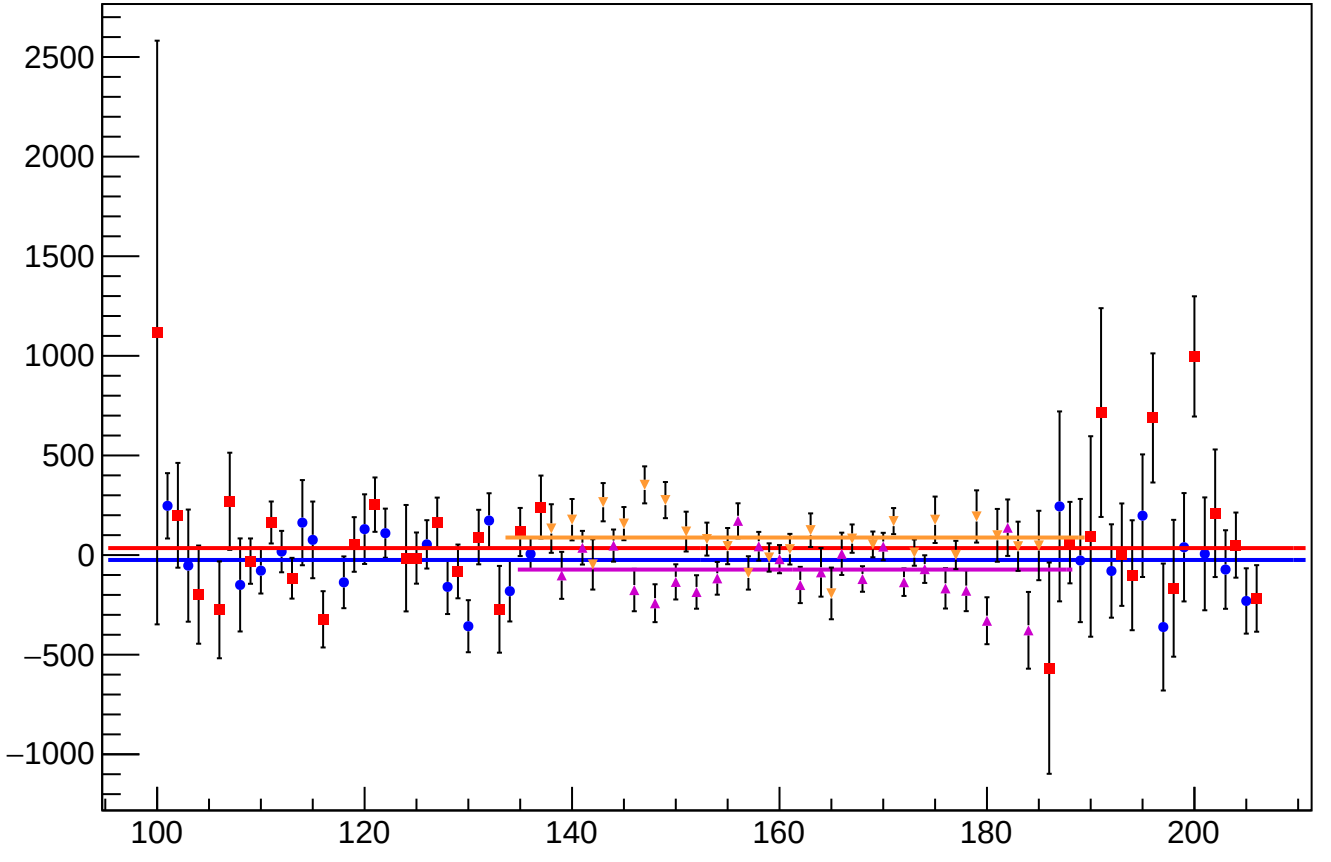
Left In: 527.986+/-0.090 χ^2/NDF:1800455.5/22

+ sign 607.880+/-0.082 χ^2/NDF: 11864443.8/49

All: 612.660+/-0.059 χ^2/NDF: 26007865.0/10

- sign 617.569+/-0.083 χ^2/NDF: 14136578.0/53

eigen_dit_asym_sam_37_avg_mean vs Slug



Right In: -24.601+/-31.315 χ^2/NDF: 22.0/24

Left Out: 88.040+/-17.745 χ^2/NDF:36.9/24

Right Out: 35.037+/-31.058 χ^2/NDF: 44.1/30

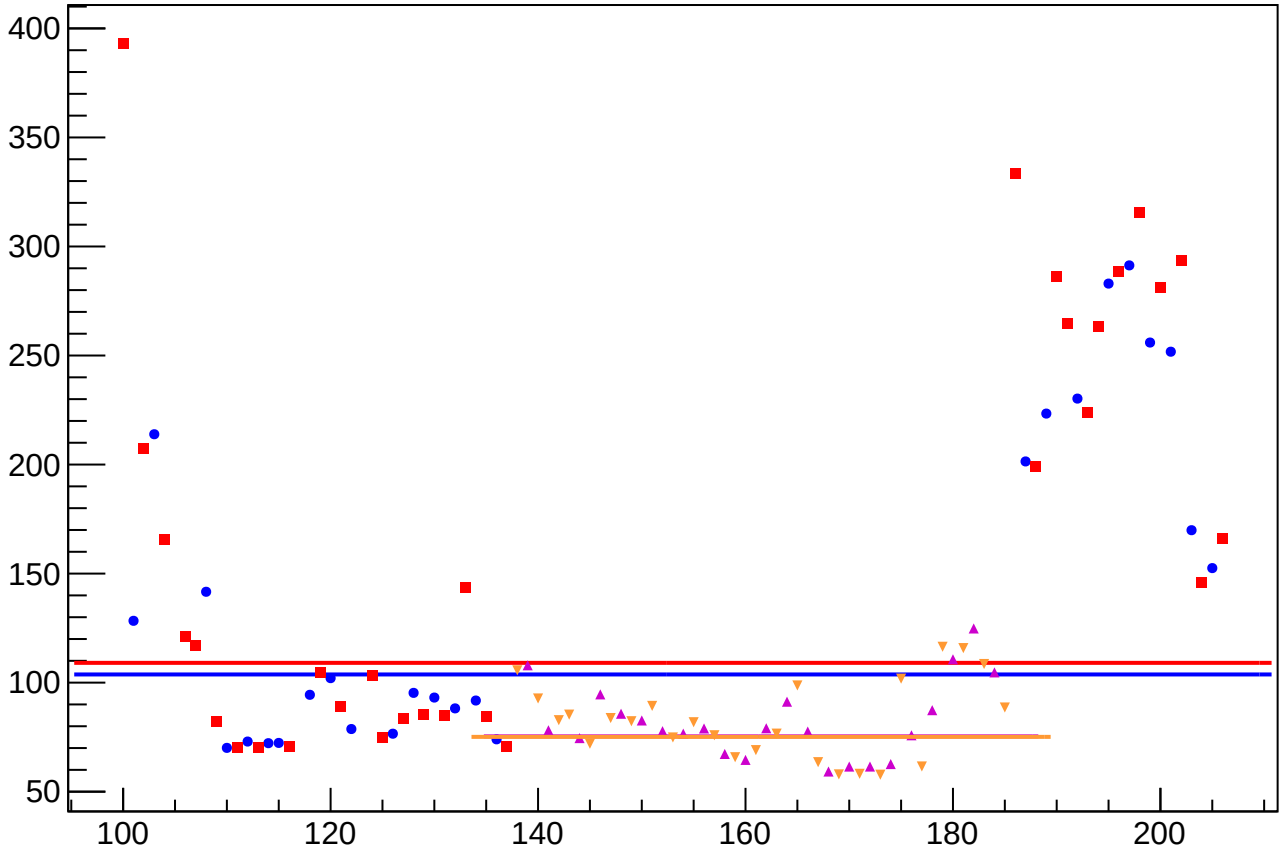
Left In: -72.848+/-18.276 χ^2/NDF:38.4/22

+ sign 60.663+/-15.438 χ^2/NDF: 68.7/49

All: 8.842+/-11.025 χ^2/NDF: 183.3/103

- sign -45.100+/-15.751 χ^2/NDF: 91.5/53

eigen_dit_asym_sam_37_avg_rms vs Slug



Right In: 103.750+/-0.022 χ^2/NDF: 5291249.1/24

Left Out: 75.128+/-0.013 χ^2/NDF:1601462.6/24

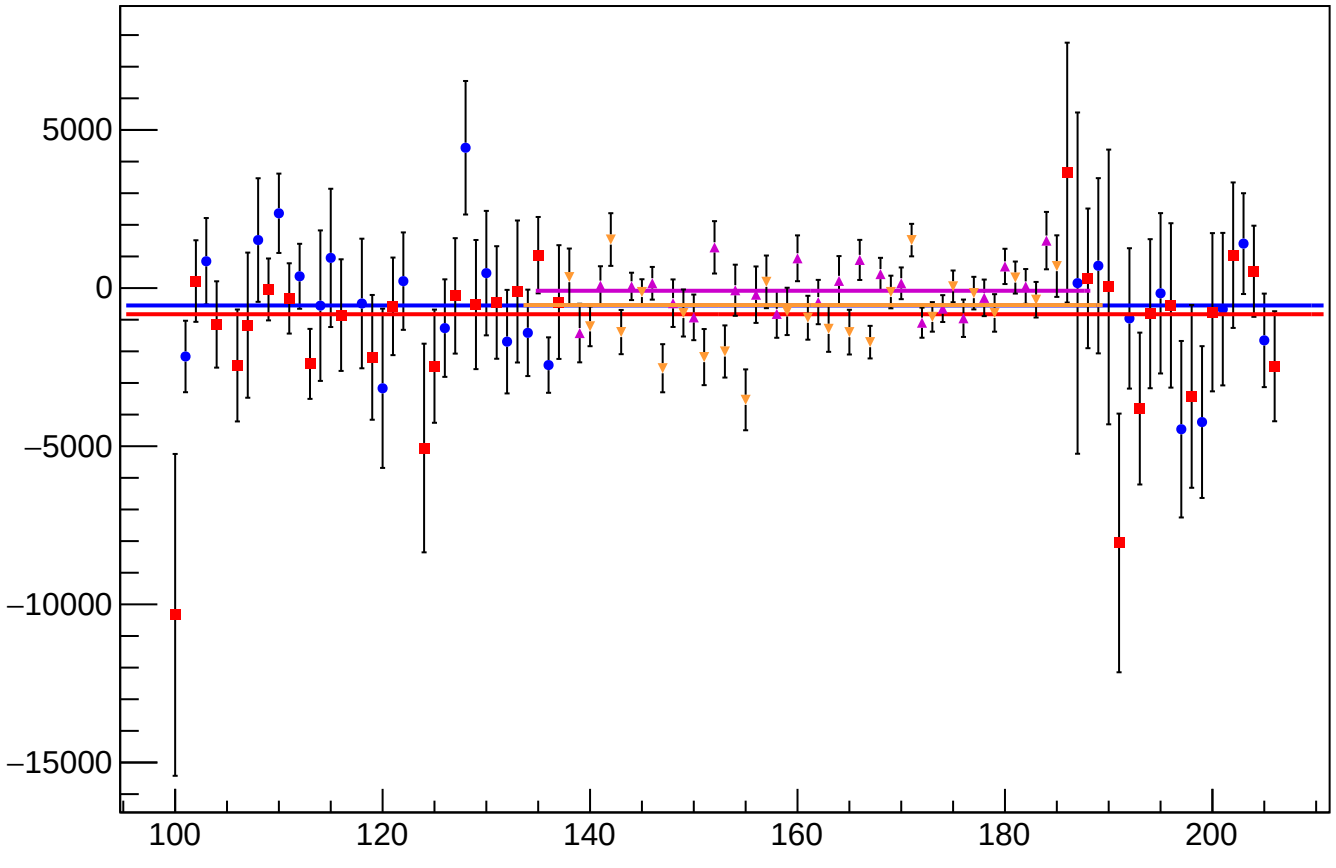
Right Out: 109.070+/-0.022 χ^2/NDF: 7098960.3/30

Left In: 75.363+/-0.013 χ^2/NDF:1225319.2/22

+ sign 82.085+/-0.011 χ^2/NDF: 8157363.8/49

All: 83.039+/-0.008 χ^2/NDF: 18247018.4/103

- sign 84.033+/-0.011 χ^2/NDF: 10074051.6/53



Right In: -549.380+/-327.387 χ^2/NDF: 30.5/24

Left Out: -536.790+/-124.471 χ^2/NDF:67.0/24

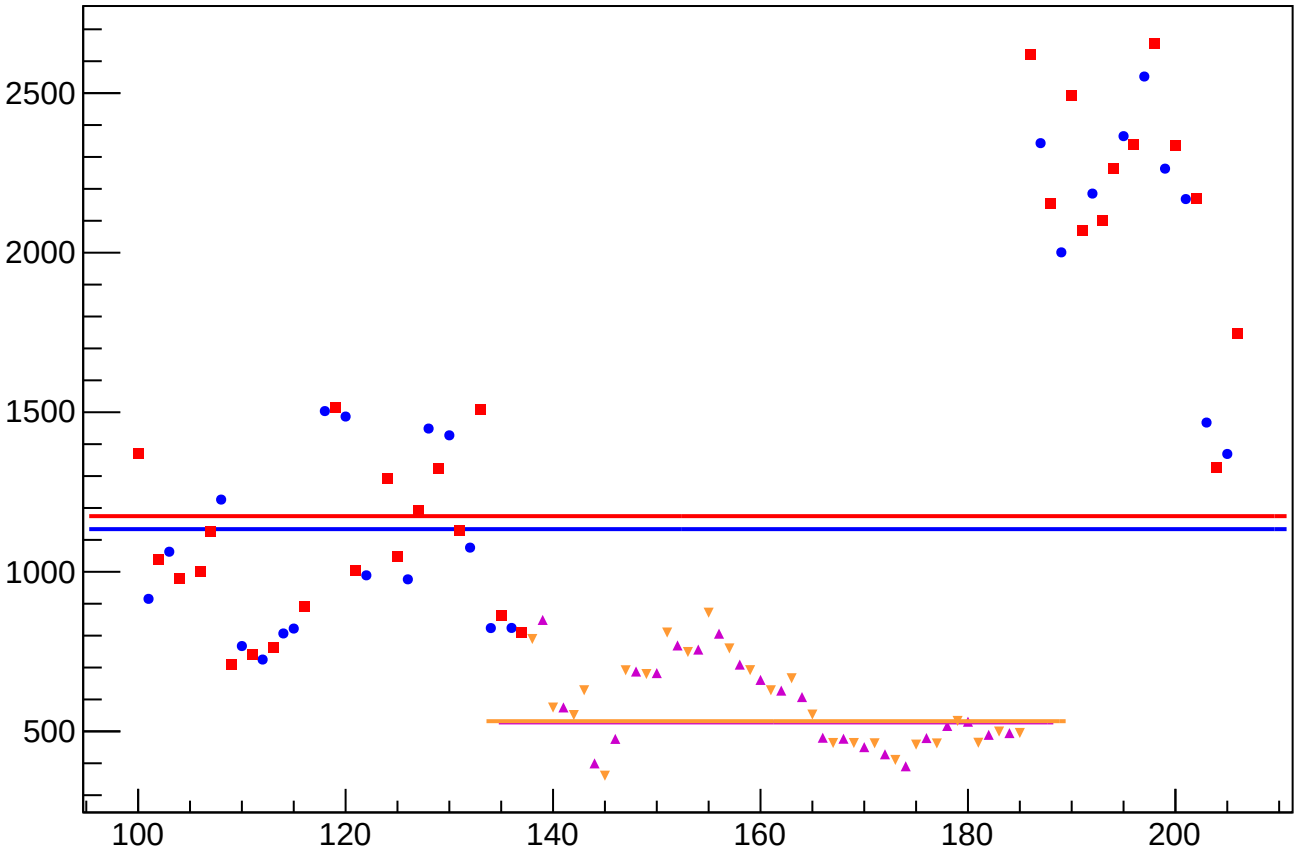
Right Out: -826.614+/-316.733 χ^2/NDF: 23.0/30

Left In: -84.668+/-127.039 χ^2/NDF:27.5/22

+ sign -538.380+/-116.346 χ^2/NDF: 97.5/49

All: -365.274+/-82.816 χ^2/NDF: 157.2/103

- sign -187.488+/-117.909 χ^2/NDF: 55.2/53



Right In: 1133.704+/-0.231 χ^2/NDF: 3921630.6/24

Left Out: 531.872+/-0.088 χ^2/NDF:2037744.9/24

Right Out: 1174.420+/-0.224 χ^2/NDF: 5159706.3/30

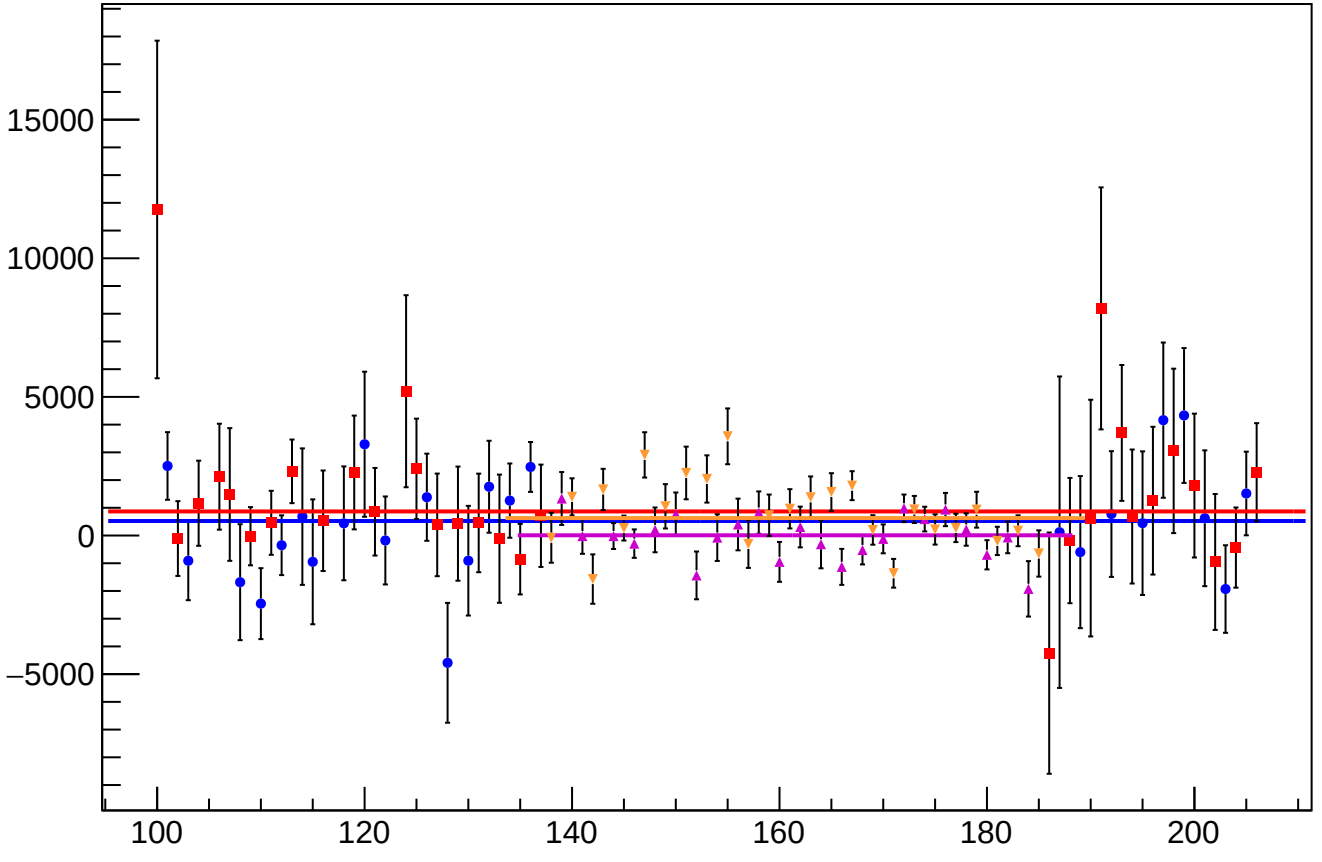
Left In: 527.986+/-0.090 χ^2/NDF:1800449.7/22

+ sign 607.880+/-0.082 χ^2/NDF: 11864431.9/49

All: 612.660+/-0.059 χ^2/NDF: 26007834.3/10

- sign 617.569+/-0.083 χ^2/NDF: 14136559.2/53

asym_sam_37_avg_mean vs Slug



Right In: 523.335+/-336.096 χ^2/NDF: 31.8/24

Left Out: 629.379+/-128.853 χ^2/NDF:64.9/24

Right Out: 868.730+/-329.686 χ^2/NDF: 20.1/30

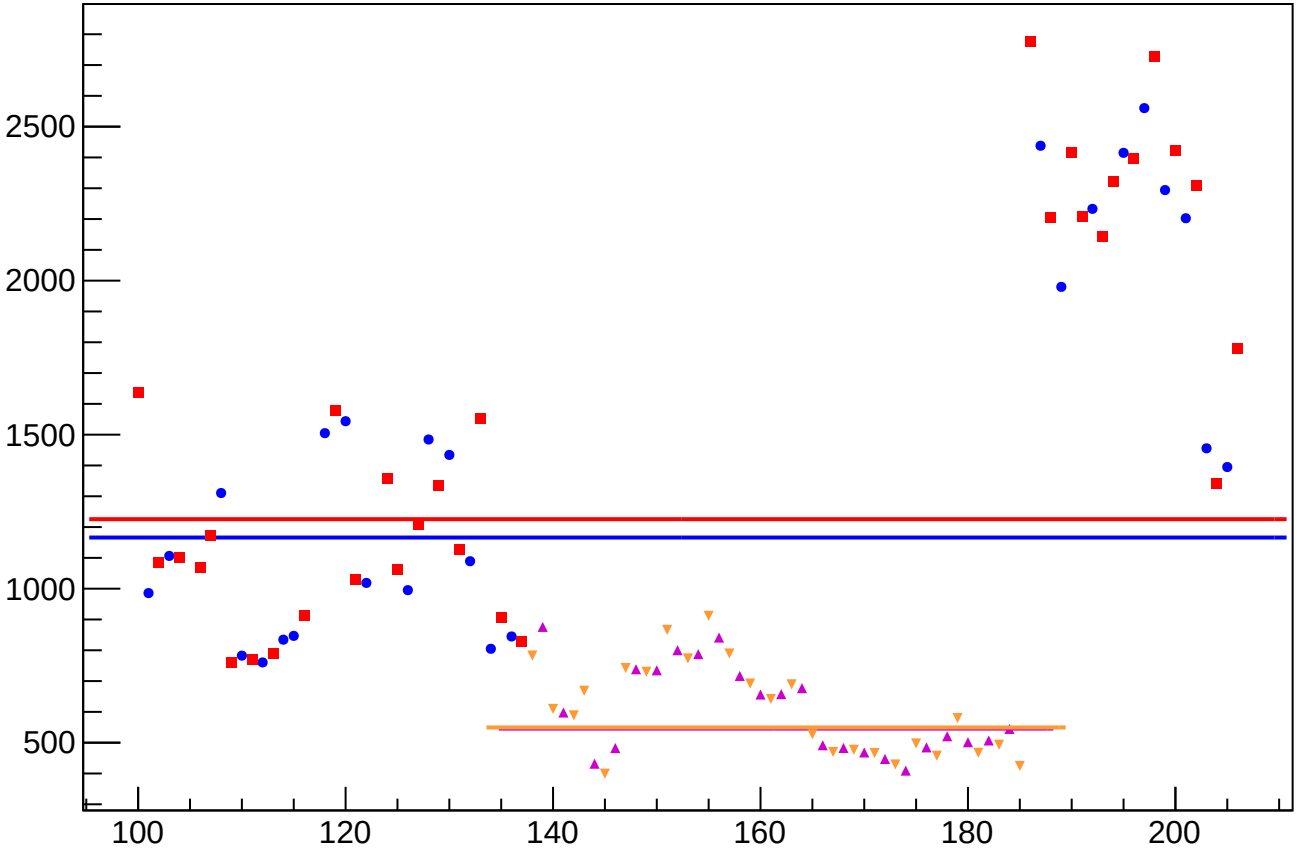
Left In: 8.460+/-131.289 χ^2/NDF:27.3/22

+ sign 615.789+/-120.314 χ^2/NDF: 96.7/49

All: 374.353+/-85.656 χ^2/NDF: 158.2/103

- sign 126.212+/-121.974 χ^2/NDF: 53.3/53

asym_sam_37_avg_rms vs Slug



Right In: 1166.030+/-0.238 χ^2/NDF: 3802103.7/24

Left Out: 549.475+/-0.091 χ^2/NDF:2053905.8/24

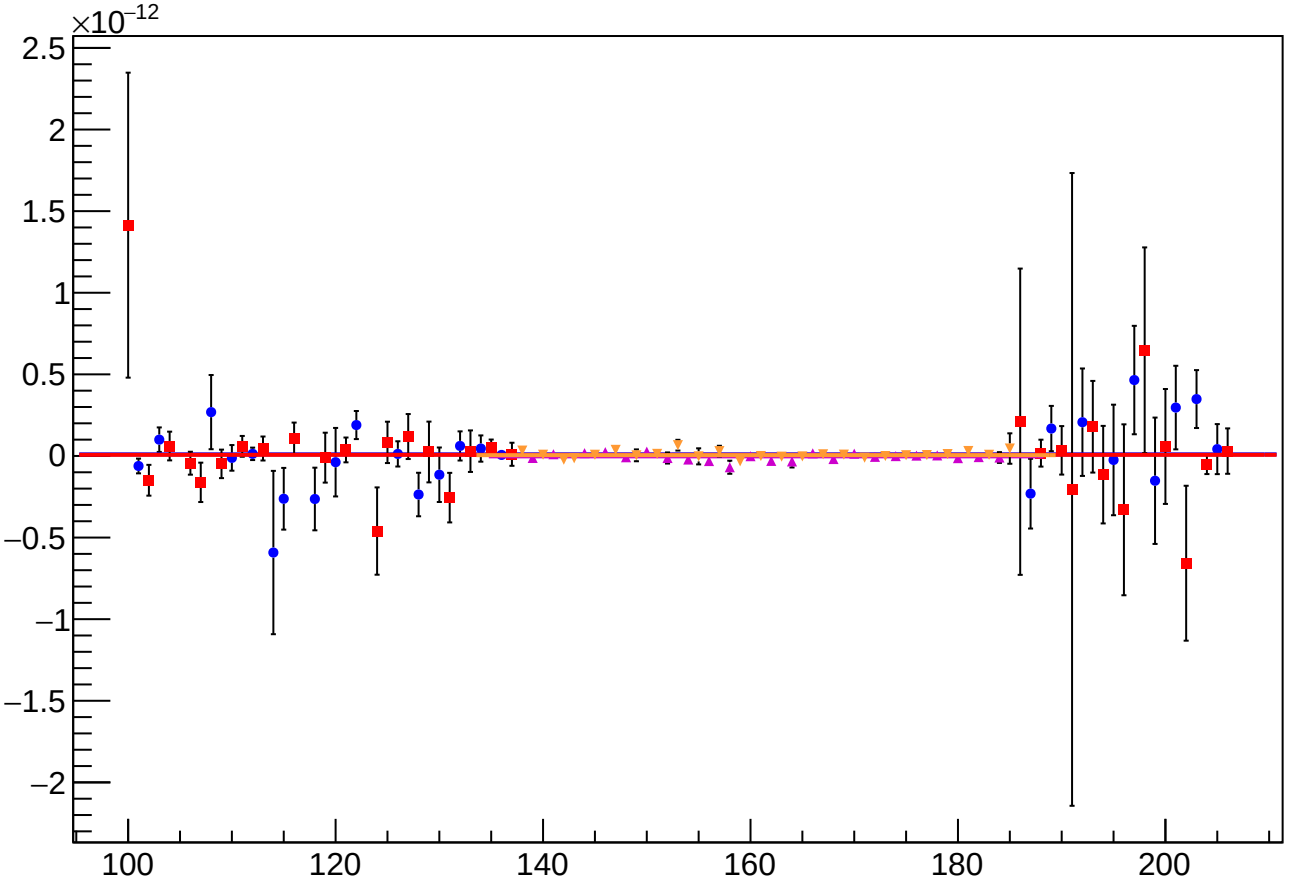
Right Out: 1225.607+/-0.233 χ^2/NDF: 4988317.4/30

Left In: 545.708+/-0.093 χ^2/NDF:1814508.3/22

+ sign 628.484+/-0.085 χ^2/NDF: 11724023.7/49

All: 633.557+/-0.061 χ^2/NDF: 25875652.8/10

- sign 638.770+/-0.086 χ^2/NDF: 14144419.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 29.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.6/24

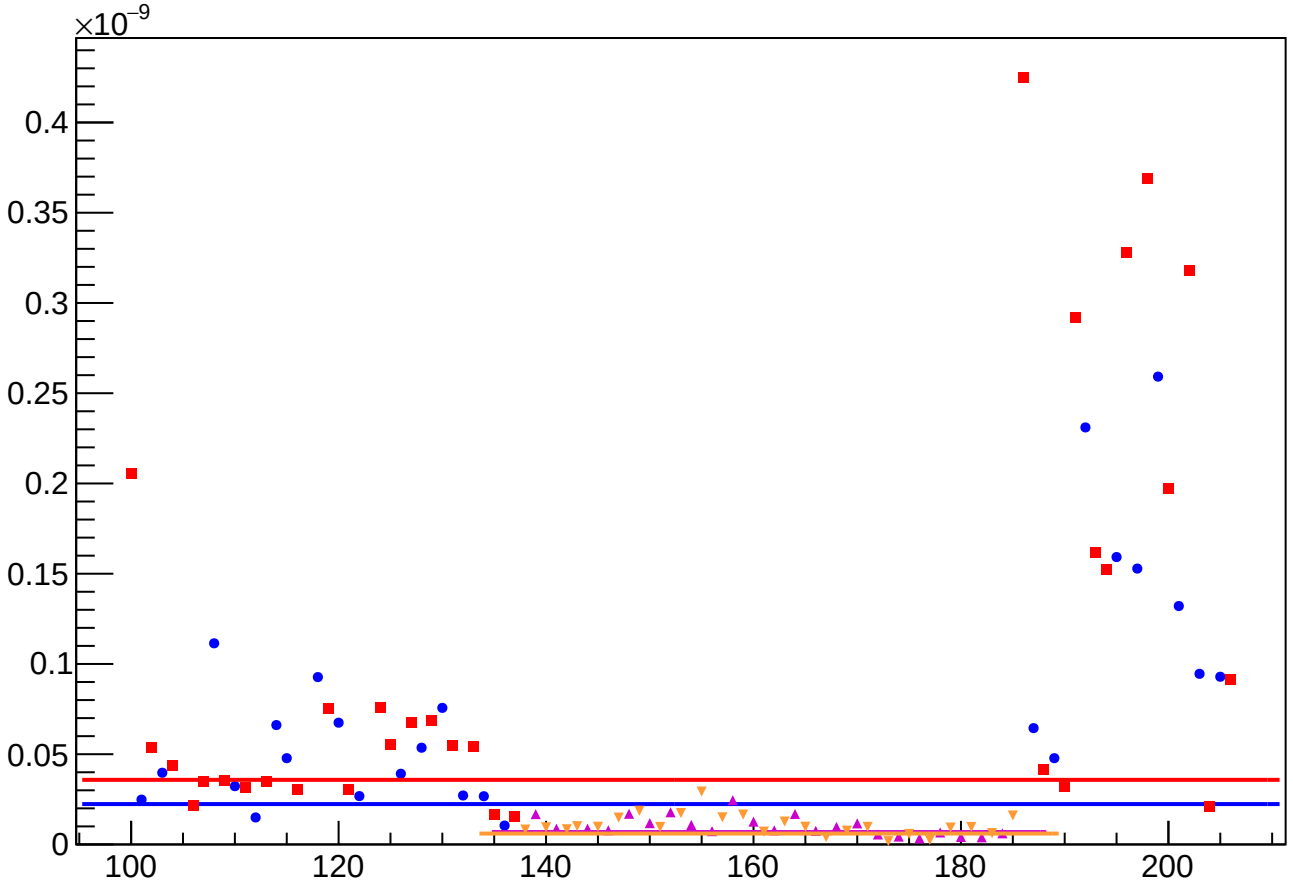
Right Out: 0.000+/-0.000 χ^2/NDF: 23.6/30

Left In: -0.000+/-0.000 χ^2/NDF:20.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.5/49

All: 0.000+/-0.000 χ^2/NDF: 91.9/103

- sign -0.000+/-0.000 χ^2/NDF: 43.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 5527354.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:3623754.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5074475.5/30

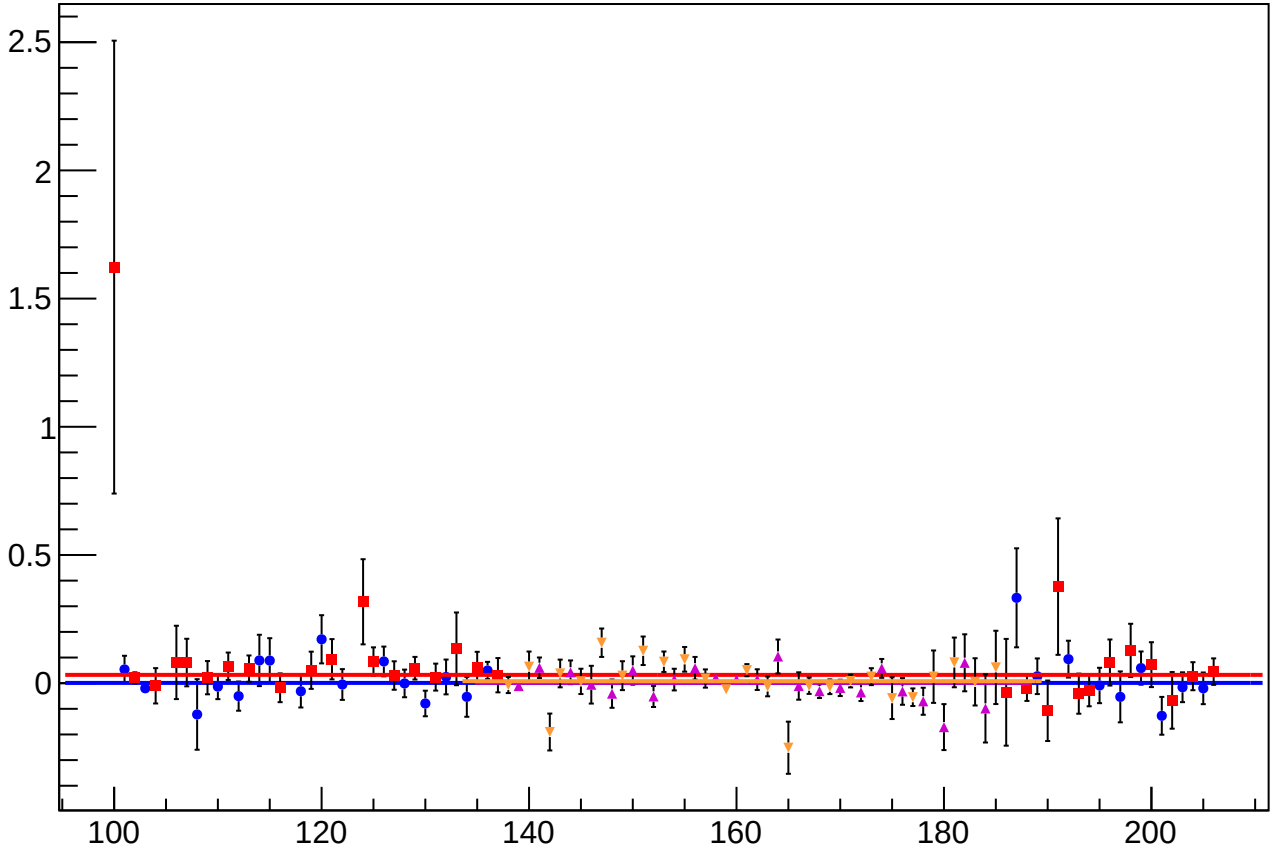
Left In: 0.000+/-0.000 χ^2/NDF:2417942.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11694828.1/49

All: 0.000+/-0.000 χ^2/NDF: 23984791.7/103

- sign 0.000+/-0.000 χ^2/NDF: 12187594.1/53

asym_sam_37_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.6/30

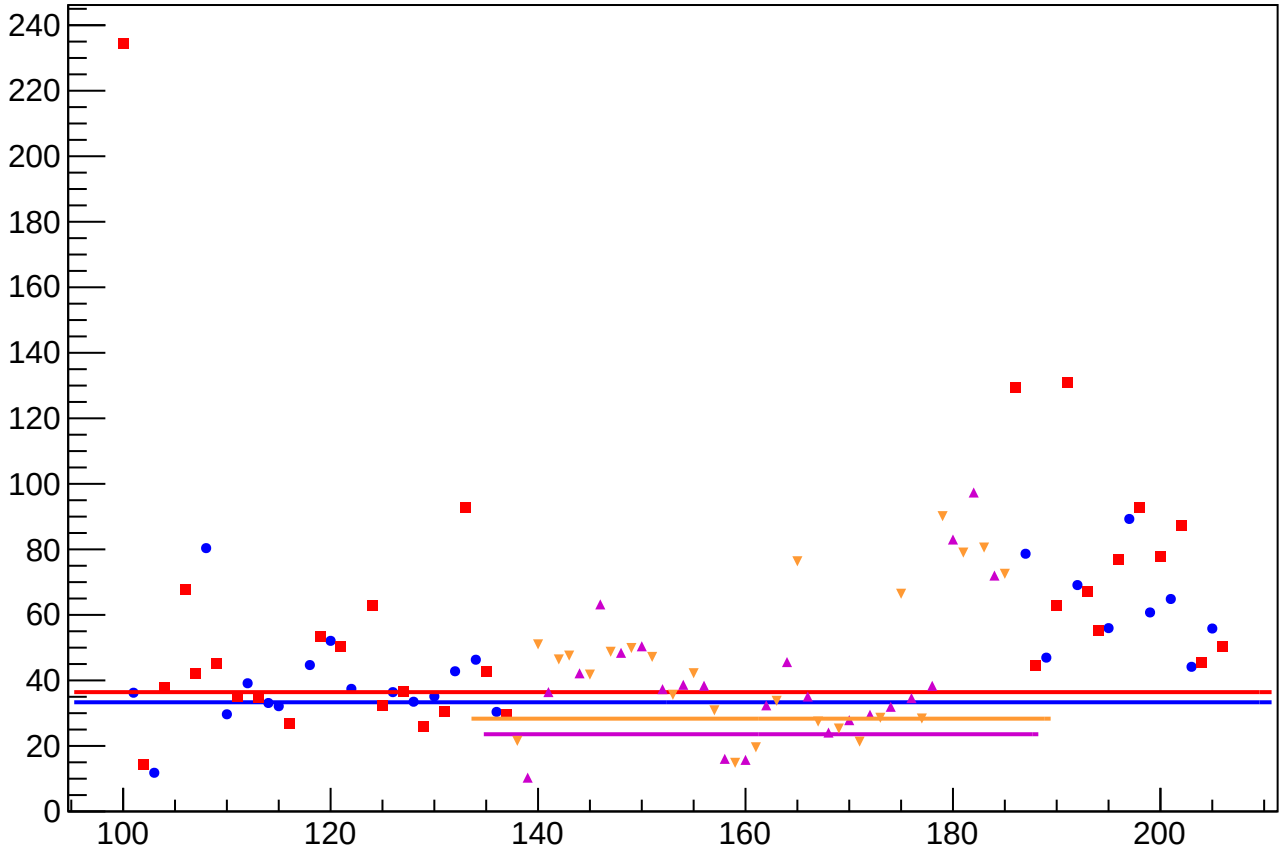
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.5/49

All: 0.008+/-0.004 χ^2/NDF: 124.3/103

- sign 0.010+/-0.006 χ^2/NDF: 50.5/53

asym_sam_37_avg_dit_vs_cor_diff_rms vs Slug



Right In: 33.328+/-0.008 χ^2/NDF: 5538338.6/24

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

Right Out: 36.424+/-0.008 χ^2/NDF: 6511935.5/30

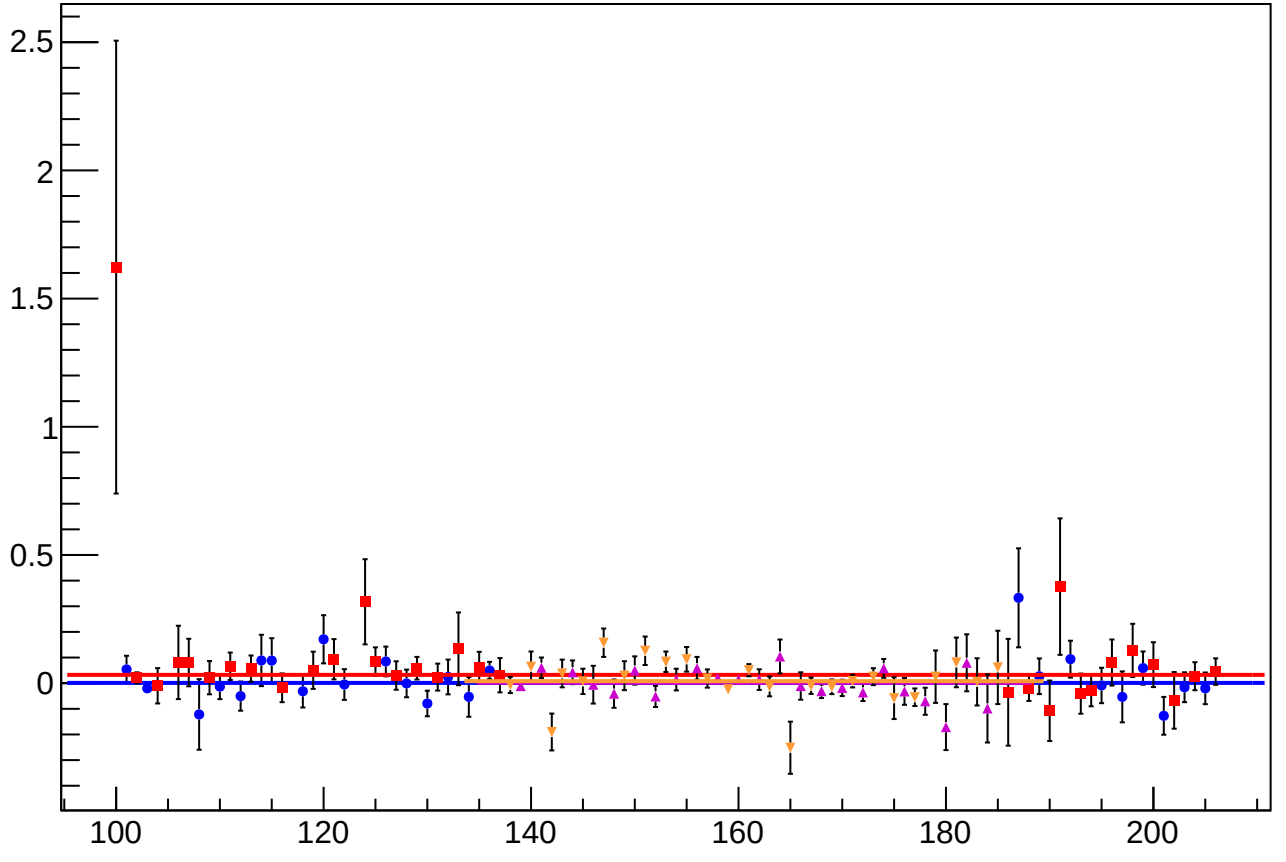
Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 29.982+/-0.004 χ^2/NDF: 12615497.8/49

All: 28.469+/-0.003 χ^2/NDF: 29600145.2/103

- sign 27.151+/-0.004 χ^2/NDF: 16761574.1/53

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.6/30

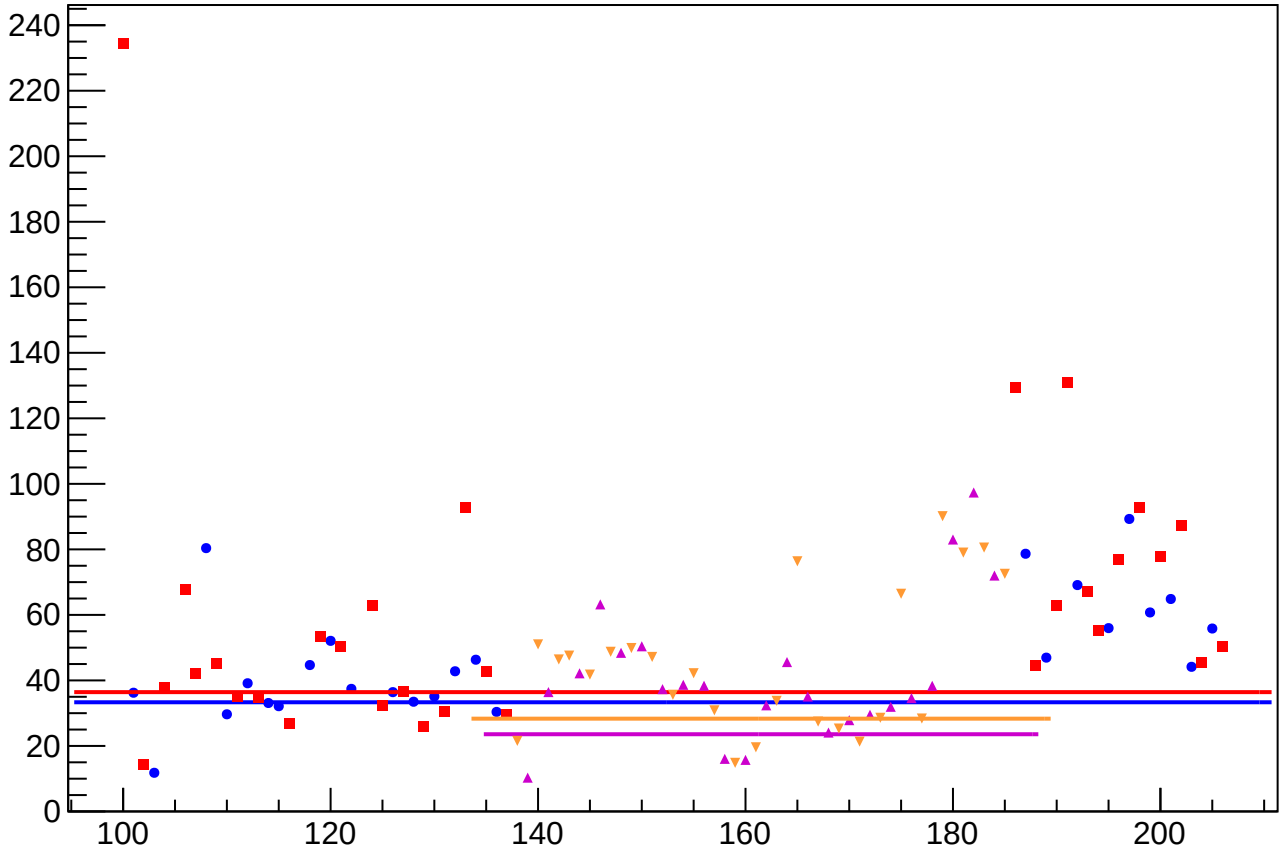
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.5/49

All: 0.008+/-0.004 χ^2/NDF: 124.3/103

- sign 0.010+/-0.006 χ^2/NDF: 50.5/53

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.328+/-0.008 χ^2/NDF: 5538338.6/24

Left Out: 28.325+/-0.005 χ^2/NDF:6788307.1/24

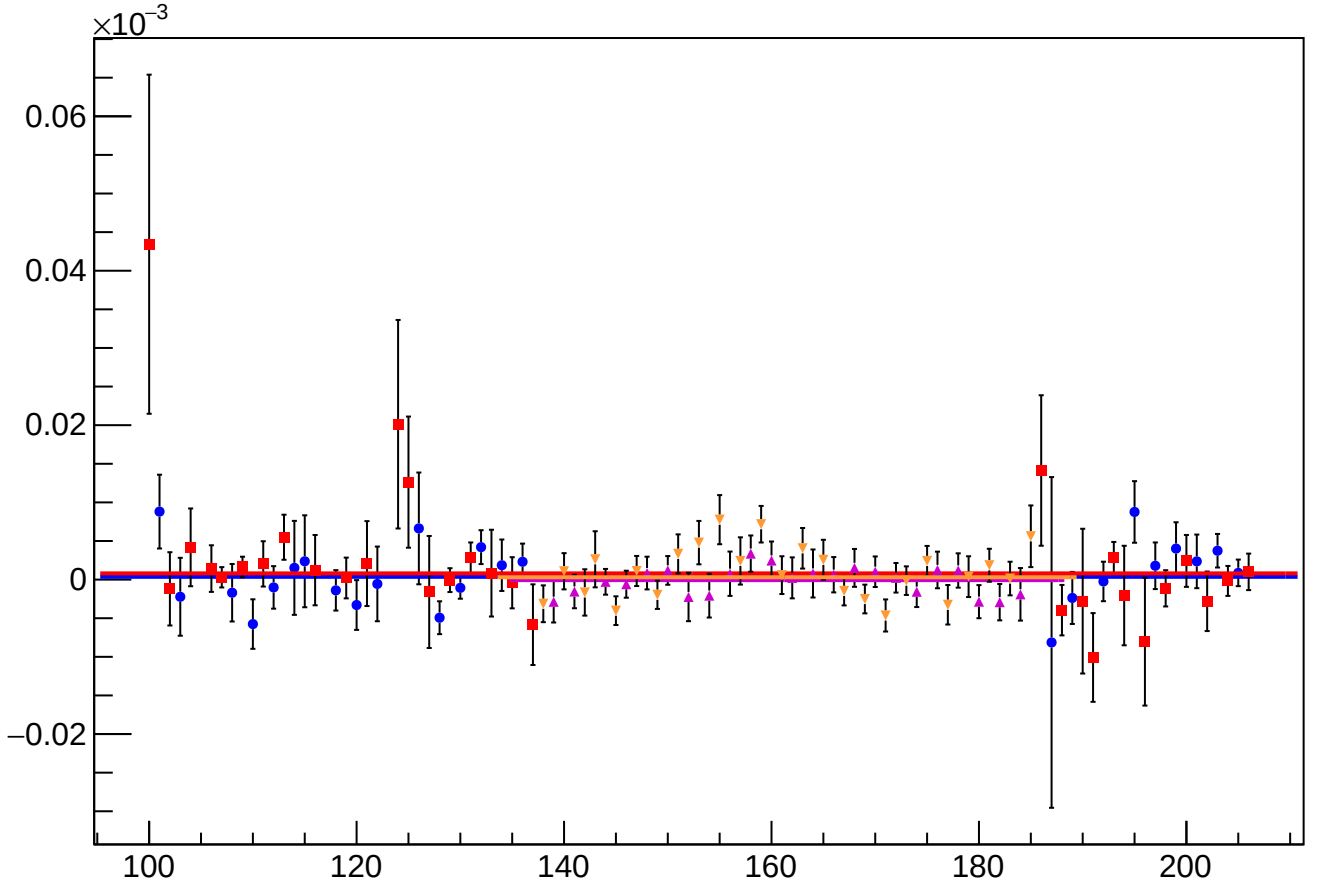
Right Out: 36.424+/-0.008 χ^2/NDF: 6511935.5/30

Left In: 23.572+/-0.005 χ^2/NDF:8263833.7/22

+ sign 29.982+/-0.004 χ^2/NDF: 12615497.8/49

All: 28.469+/-0.003 χ^2/NDF: 29600145.2/103

- sign 27.151+/-0.004 χ^2/NDF: 16761574.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:45.7/24

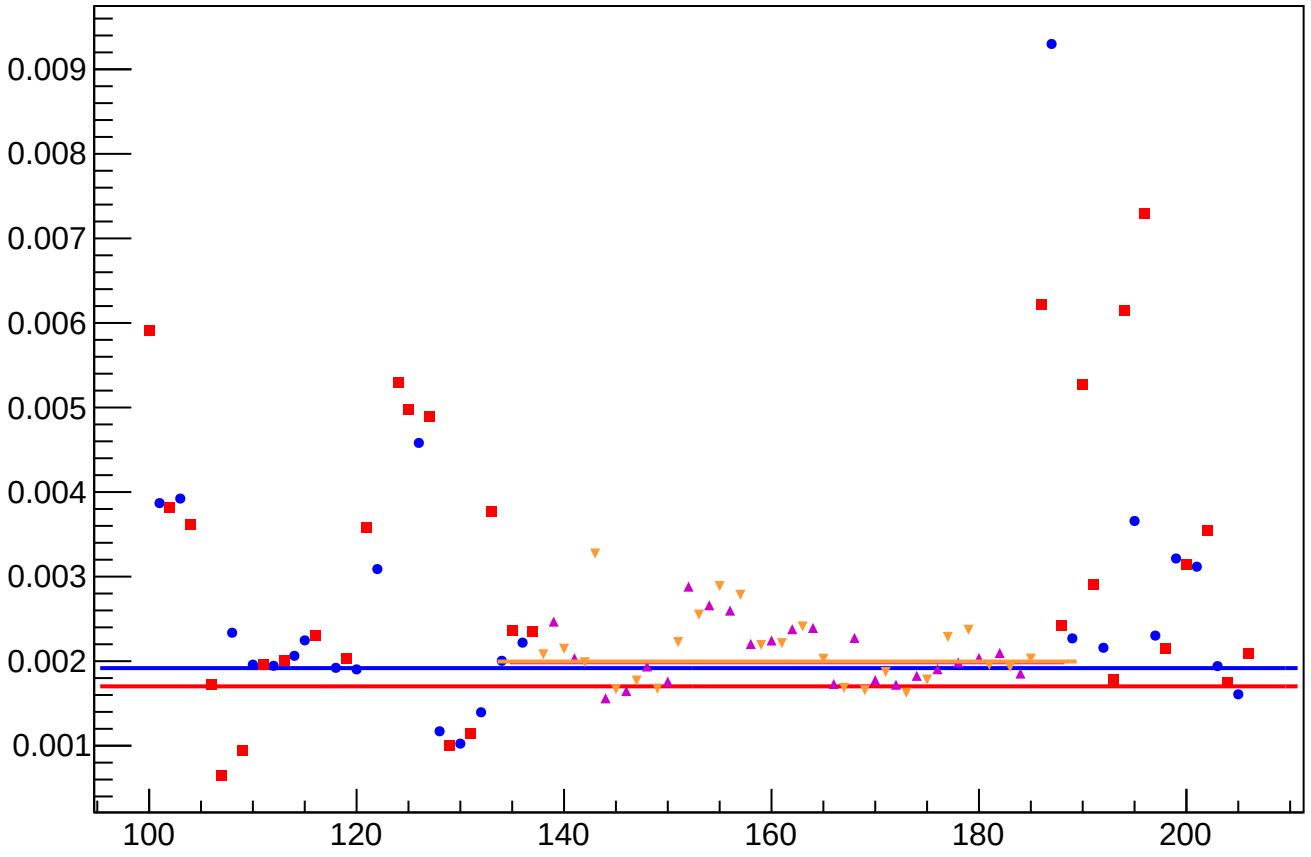
Right Out: 0.000+/-0.000 χ^2/NDF: 27.1/30

Left In: -0.000+/-0.000 χ^2/NDF:12.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 76.6/49

All: 0.000+/-0.000 χ^2/NDF: 117.5/103

- sign 0.000+/-0.000 χ^2/NDF: 40.9/53



Right In: 0.002+/-0.000 χ^2/NDF: 3554381.9/24

Left Out: 0.002+/-0.000 χ^2/NDF:1173308.8/24

Right Out: 0.002+/-0.000 χ^2/NDF: 8548563.6/30

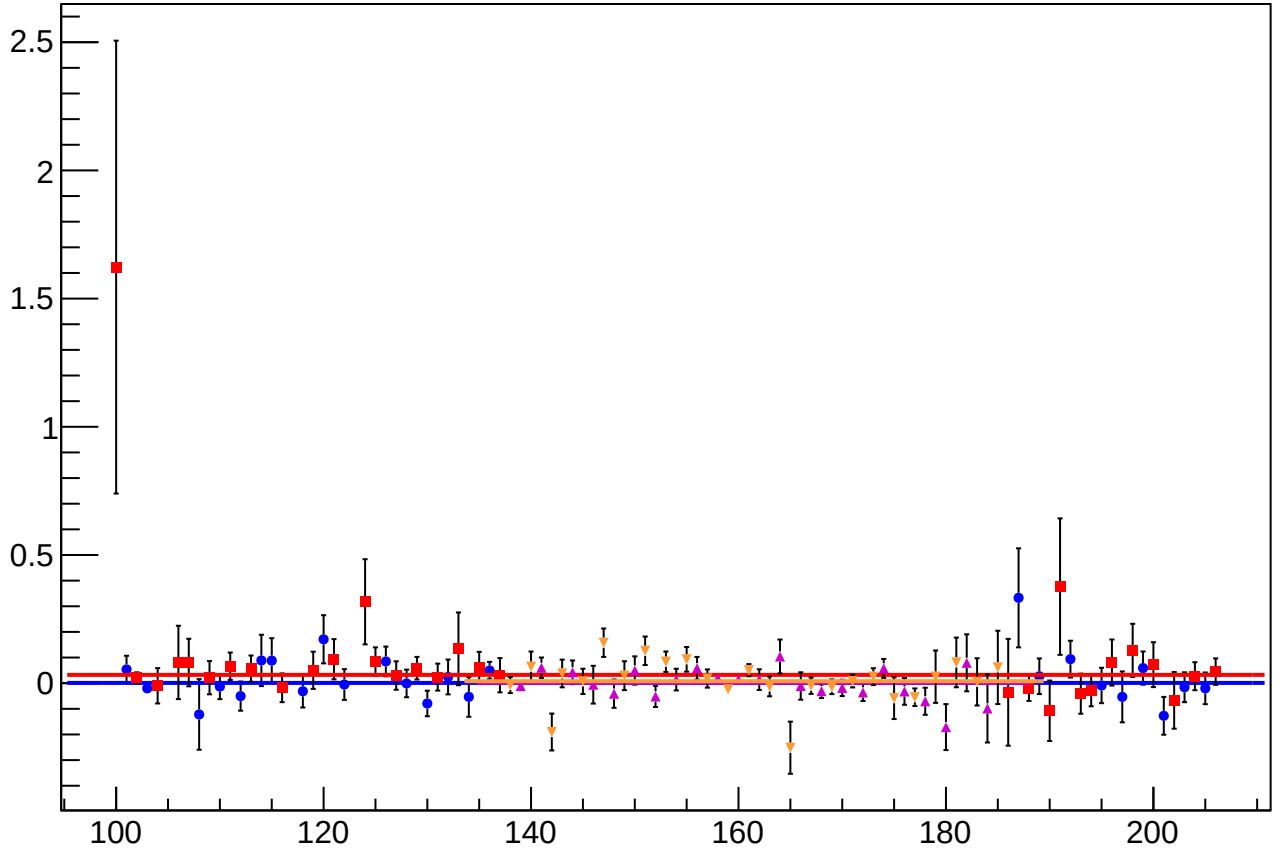
Left In: 0.002+/-0.000 χ^2/NDF:924009.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 4750352.7/49

All: 0.002+/-0.000 χ^2/NDF: 14657824.7/103

- sign 0.002+/-0.000 χ^2/NDF: 9810173.6/53

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.6/30

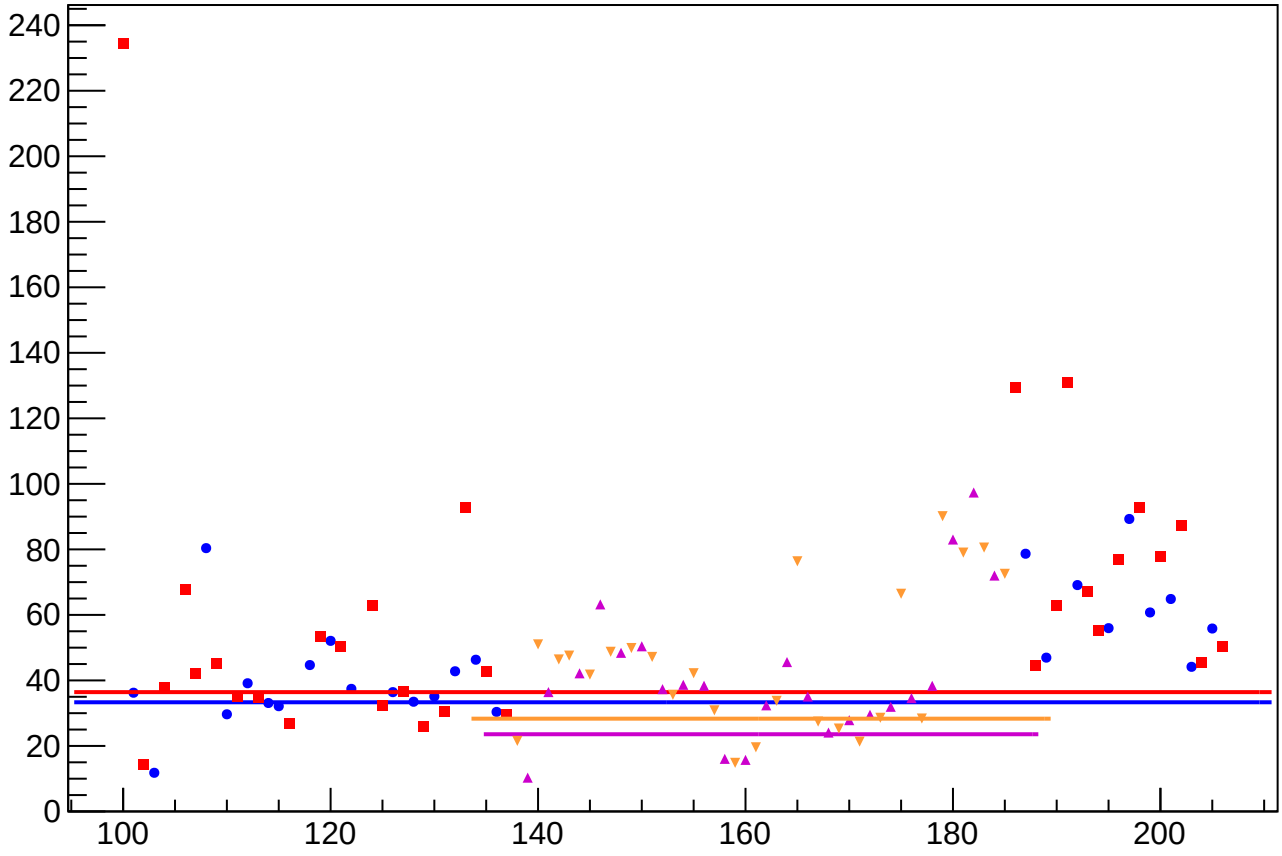
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.4/49

All: 0.008+/-0.004 χ^2/NDF: 124.3/103

- sign 0.010+/-0.006 χ^2/NDF: 50.5/53

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 33.328+/-0.008 χ^2/NDF: 5538716.5/24

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

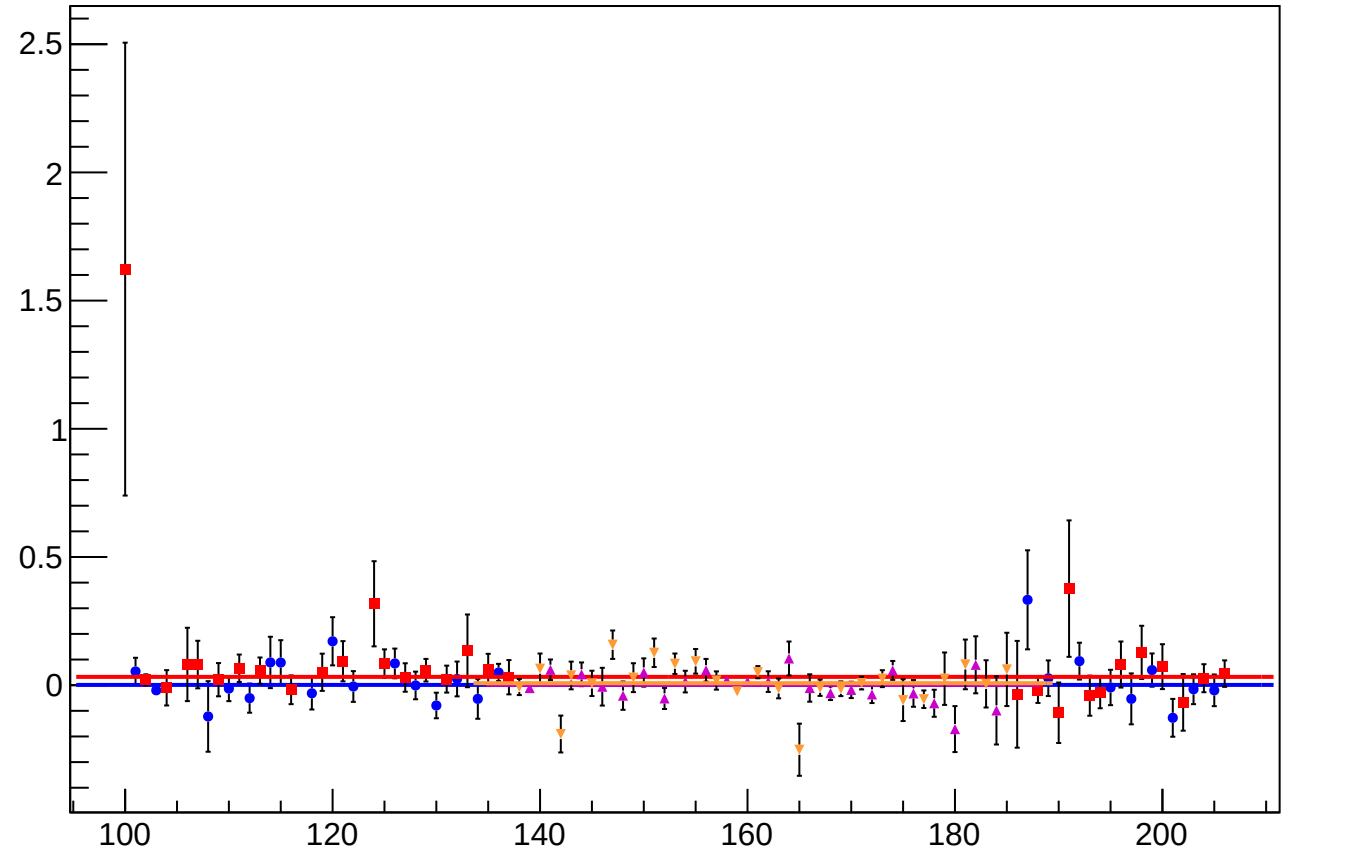
Right Out: 36.426+/-0.008 χ^2/NDF: 6510772.4/30

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 29.981+/-0.004 χ^2/NDF: 12616294.9/49

All: 28.468+/-0.003 χ^2/NDF: 29601929.1/103

- sign 27.151+/-0.004 χ^2/NDF: 16762564.1/53



Right In: 0.001+/-0.011 χ^2/NDF: 25.6/24

Left Out: 0.008+/-0.008 χ^2/NDF:47.6/24

Right Out: 0.032+/-0.011 χ^2/NDF: 19.6/30

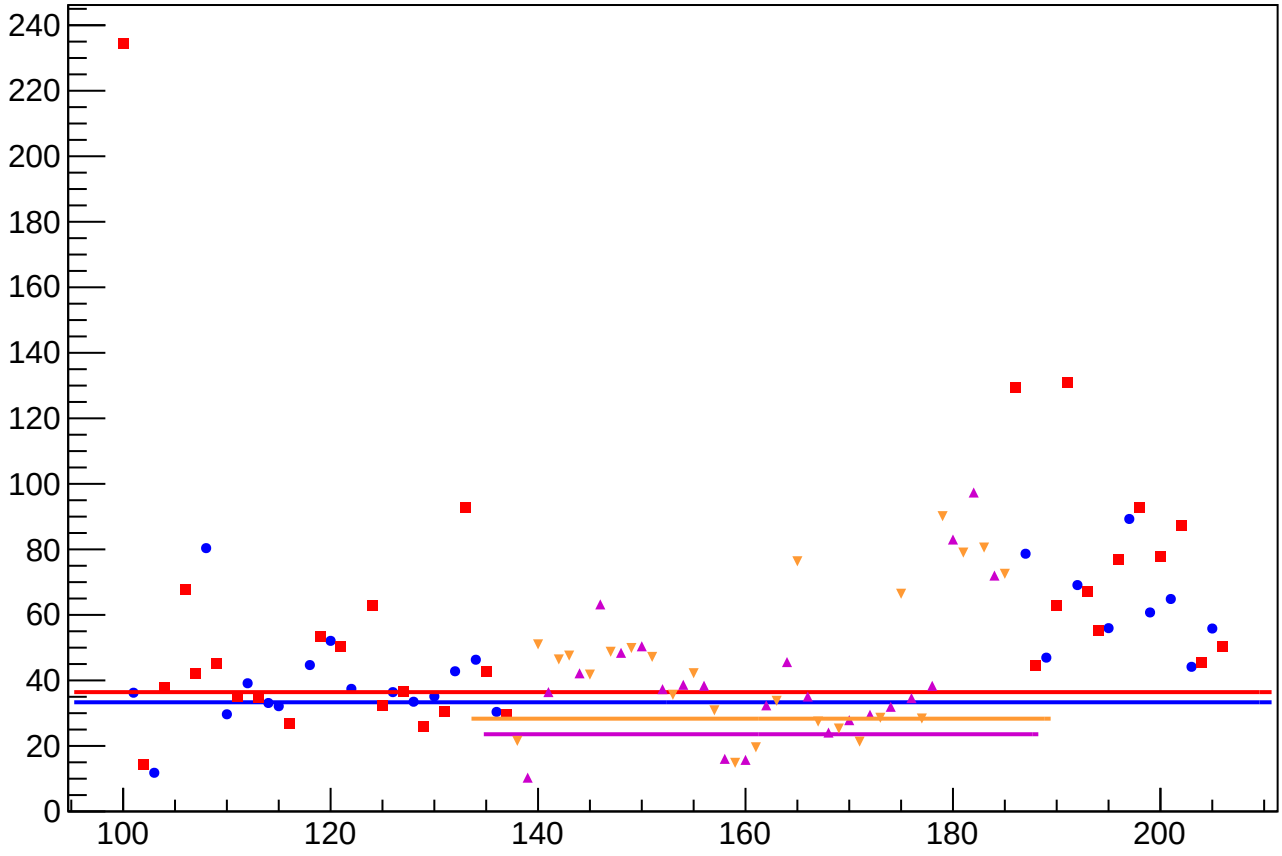
Left In: 0.001+/-0.007 χ^2/NDF:25.1/22

+ sign 0.006+/-0.006 χ^2/NDF: 73.4/49

All: 0.008+/-0.004 χ^2/NDF: 124.3/103

- sign 0.010+/-0.006 χ^2/NDF: 50.5/53

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 33.328+/-0.008 χ^2/NDF: 5538716.5/24

Left Out: 28.324+/-0.005 χ^2/NDF:6788766.1/24

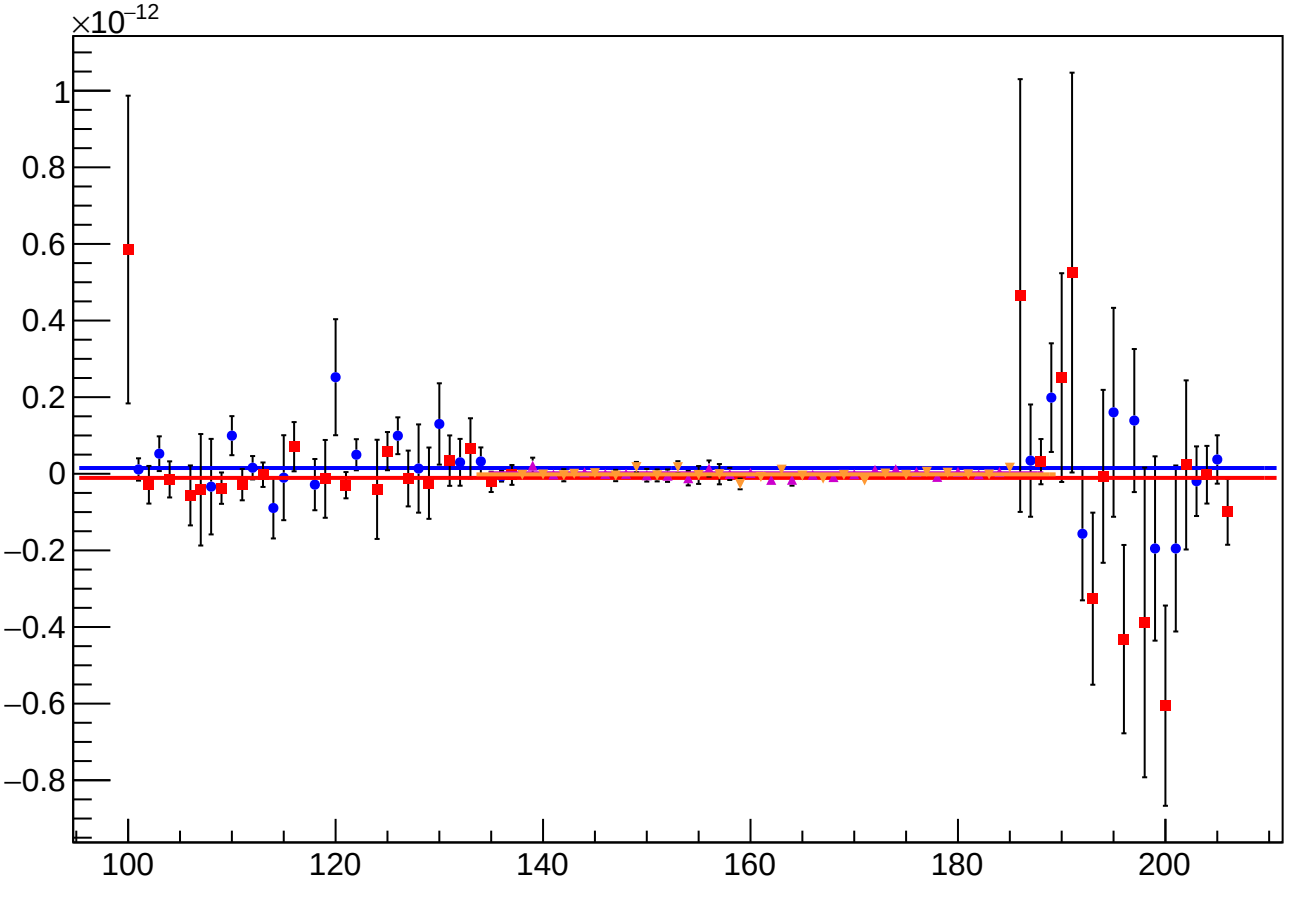
Right Out: 36.426+/-0.008 χ^2/NDF: 6510772.4/30

Left In: 23.571+/-0.005 χ^2/NDF:8264891.4/22

+ sign 29.981+/-0.004 χ^2/NDF: 12616294.9/49

All: 28.468+/-0.003 χ^2/NDF: 29601929.1/103

- sign 27.151+/-0.004 χ^2/NDF: 16762564.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:17.6/24

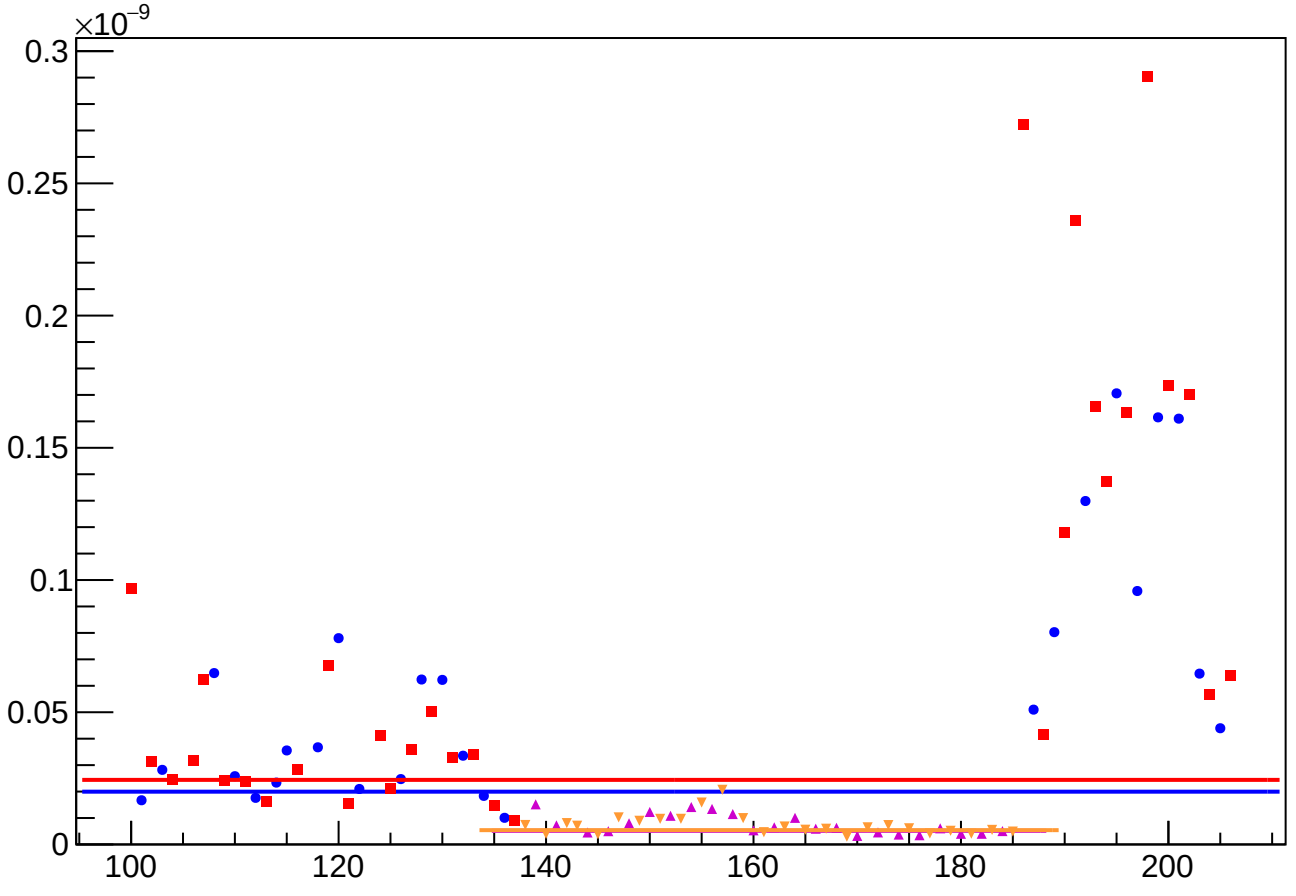
Right Out: -0.000+/-0.000 χ^2/NDF: 24.3/30

Left In: 0.000+/-0.000 χ^2/NDF:15.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 42.0/49

All: 0.000+/-0.000 χ^2/NDF: 84.1/103

- sign 0.000+/-0.000 χ^2/NDF: 41.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 7097469.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:3068356.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8410515.5/30

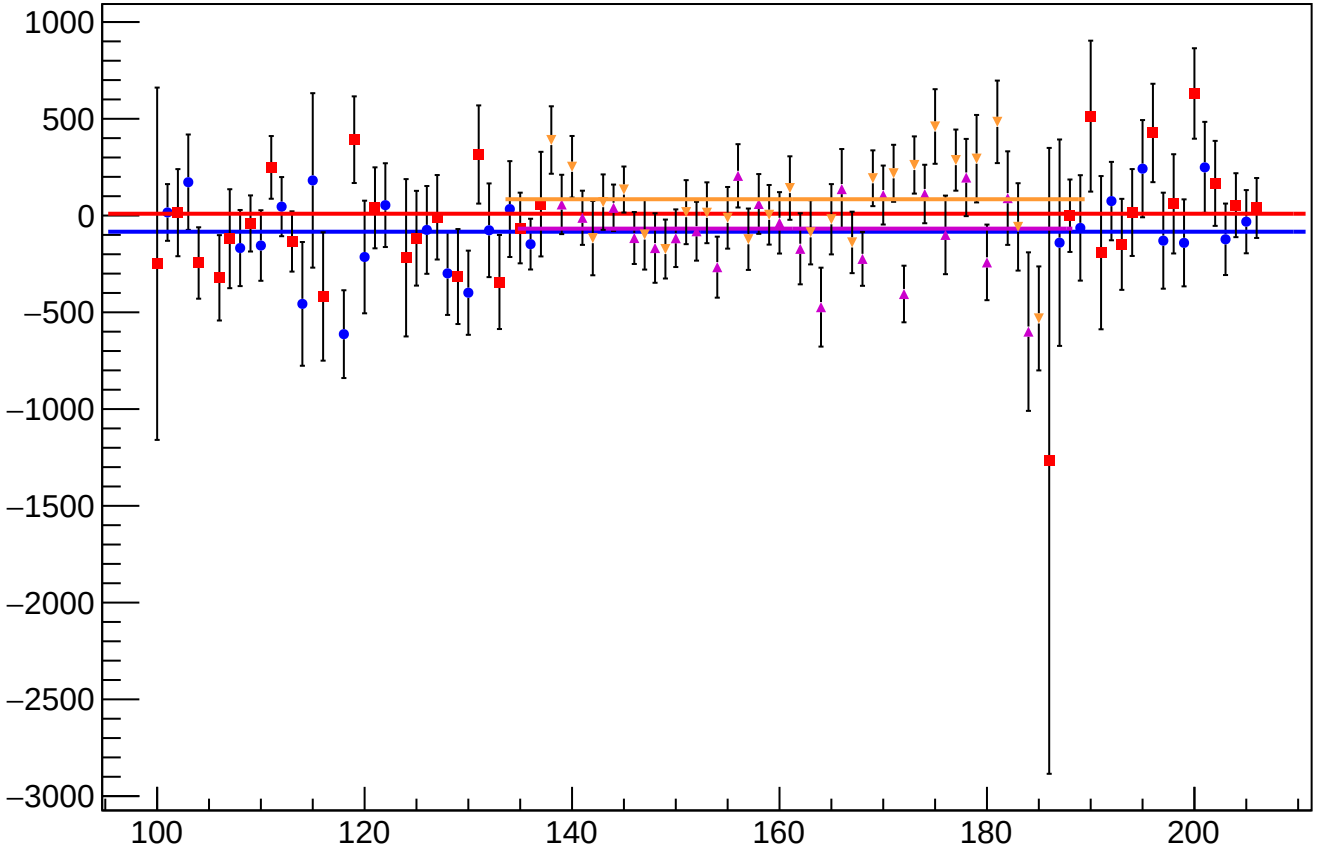
Left In: 0.000+/-0.000 χ^2/NDF:3390855.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 14973966.5/49

All: 0.000+/-0.000 χ^2/NDF: 33464149.2/103

- sign 0.000+/-0.000 χ^2/NDF: 18471554.8/53

reg_asym_sam_48_avg_mean vs Slug



Right In: -83.573+/-42.217 χ^2/NDF: 18.5/24

Left Out: 84.324+/-33.036 χ^2/NDF:33.8/24

Right Out: 9.409+/-39.862 χ^2/NDF: 31.8/30

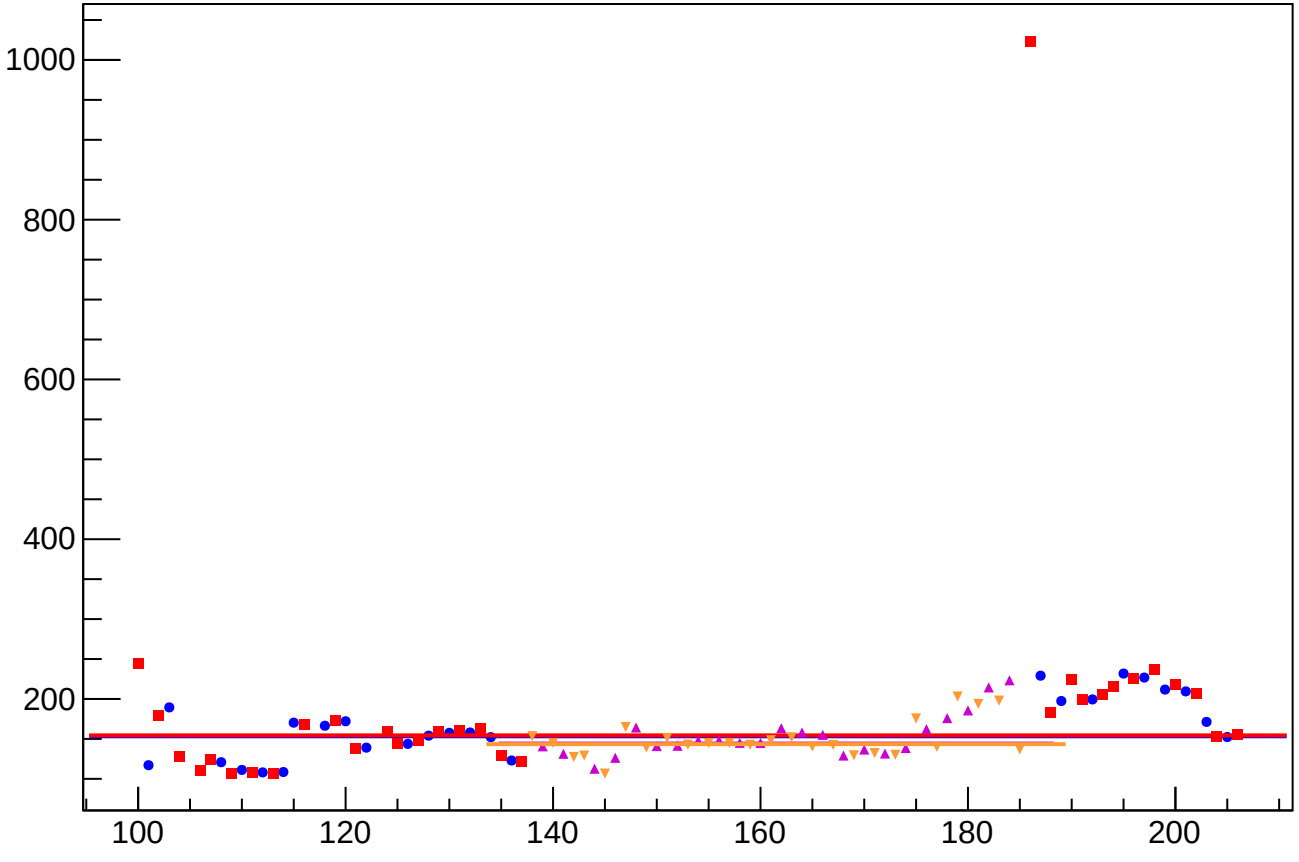
Left In: -67.646+/-34.137 χ^2/NDF:26.5/22

+ sign 20.560+/-26.017 χ^2/NDF: 62.1/49

All: -7.337+/-18.365 χ^2/NDF: 124.8/103

- sign -35.045+/-25.928 χ^2/NDF: 60.5/53

reg_asym_sam_48_avg_rms vs Slug



Right In: 153.291+/-0.030 χ^2/NDF: 1515884.3/24

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

Right Out: 154.407+/-0.028 χ^2/NDF: 2442186.5/30

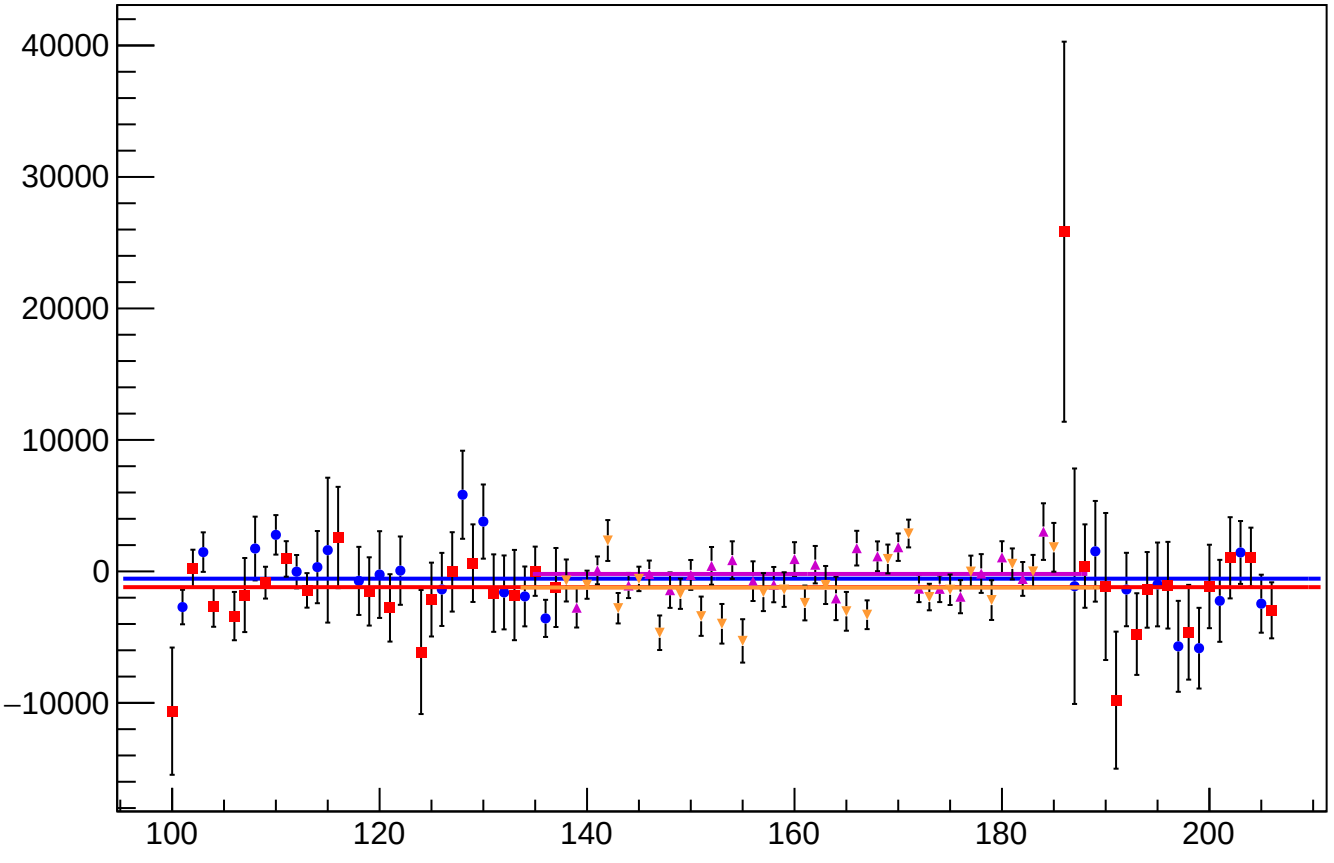
Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.184+/-0.018 χ^2/NDF: 2330423.0/49

All: 147.845+/-0.013 χ^2/NDF: 5553979.2/103

- sign 148.501+/-0.018 χ^2/NDF: 3220982.3/53

asym_sam_48_avg_reg_correction_mean vs Slug



Right In: -553.487+/-449.119 χ^2/NDF: 29.3/24

Left Out: -1225.049+/-251.767 χ^2/NDF:59.3/24

Right Out: -1199.042+/-417.088 χ^2/NDF: 24.4/30

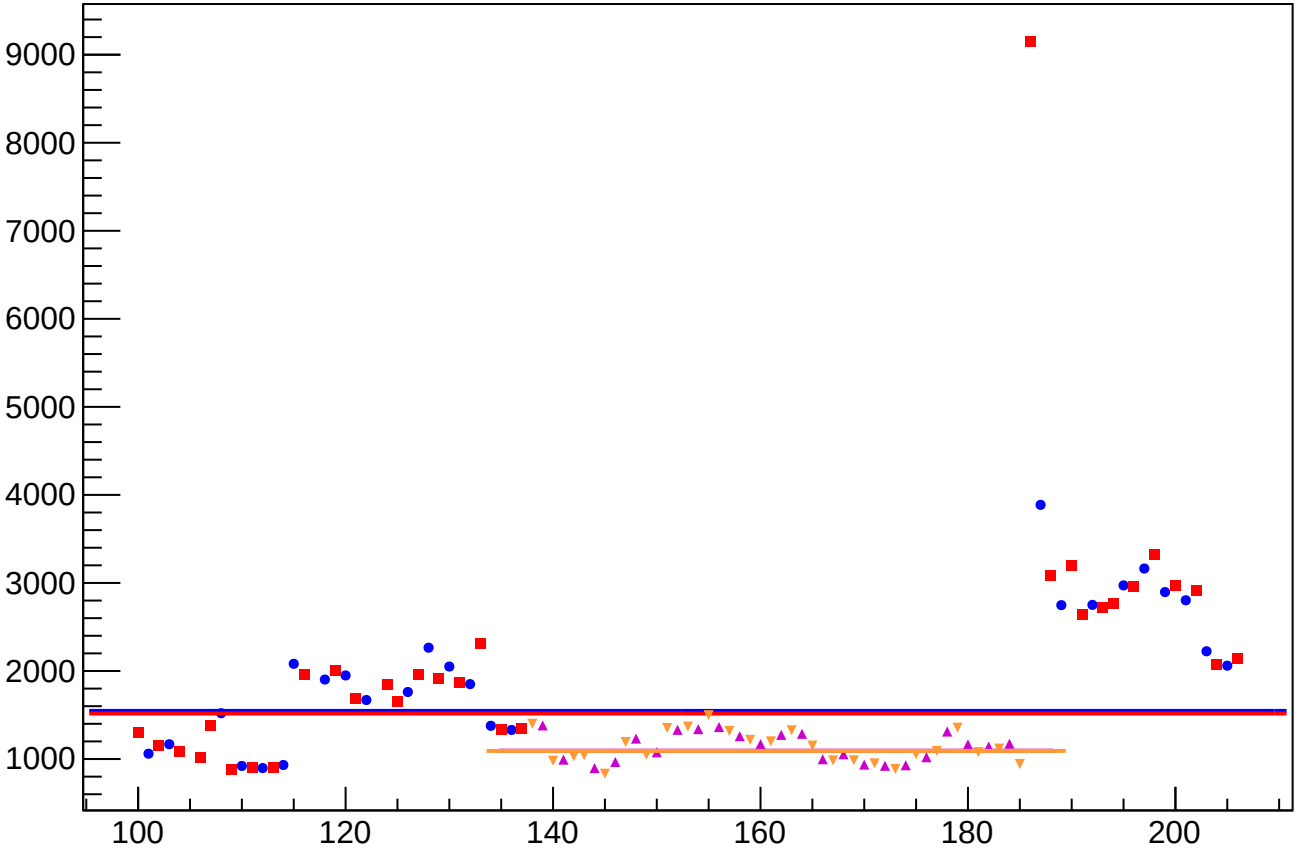
Left In: -193.805+/-258.922 χ^2/NDF:23.3/22

+ sign -1064.472+/-219.614 χ^2/NDF: 90.3/49

All: -769.446+/-155.420 χ^2/NDF: 145.7/103

- sign -473.435+/-219.981 χ^2/NDF: 51.9/53

asym_sam_48_avg_reg_correction_rms vs Slug



Right In: 1546.521+/-0.318 χ^2/NDF: 4235094.9/24

Left Out: 1091.980+/-0.178 χ^2/NDF:892442.4/24

Right Out: 1516.757+/-0.295 χ^2/NDF: 6219038.6/30

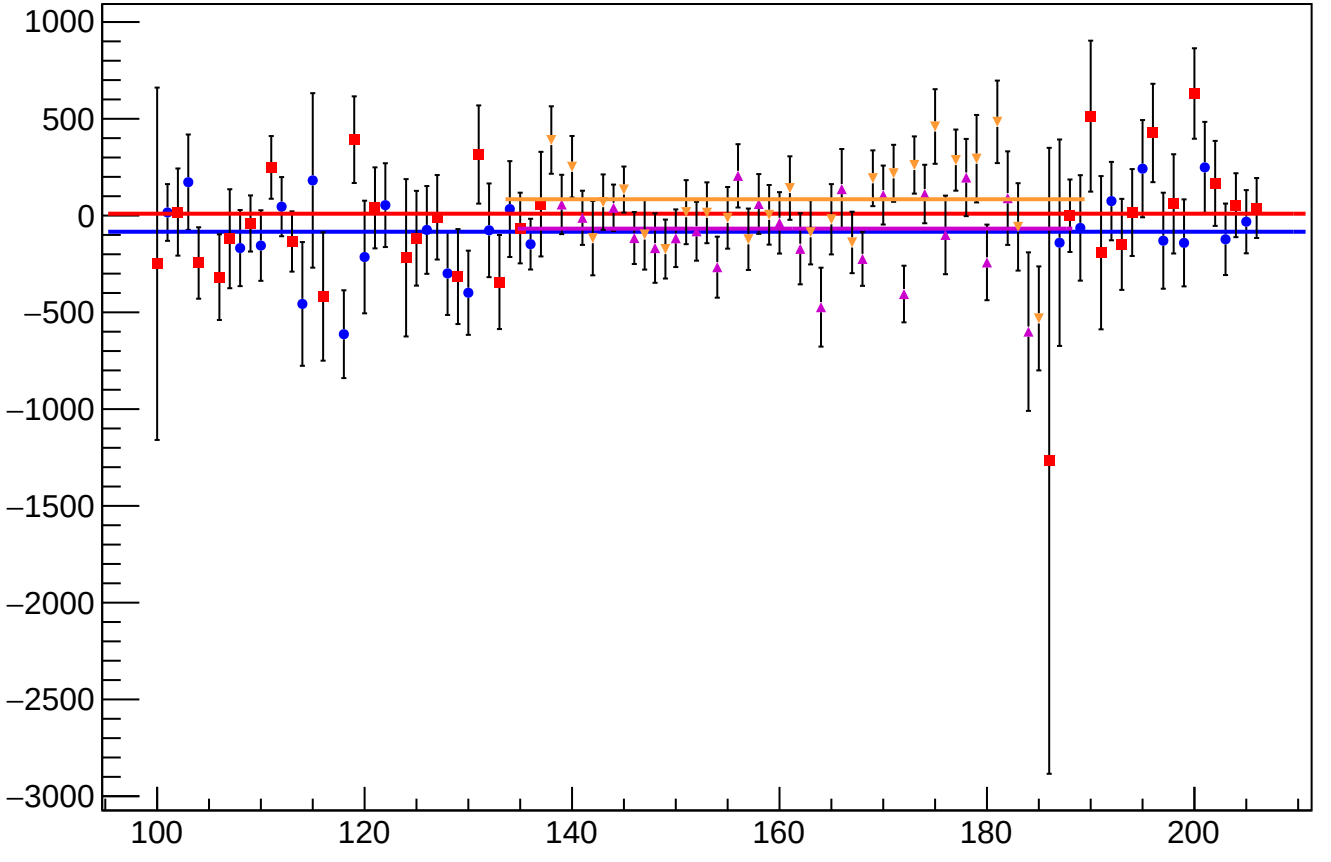
Left In: 1094.478+/-0.183 χ^2/NDF:732975.2/22

+ sign 1200.665+/-0.155 χ^2/NDF: 6686287.7/49

All: 1206.295+/-0.110 χ^2/NDF: 15120748.2/1

- sign 1211.945+/-0.156 χ^2/NDF: 8431826.8/53

cor_asym_sam_48_avg_mean vs Slug



Right In: -83.583+/-42.217 χ^2/NDF: 18.5/24

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 9.694+/-39.867 χ^2/NDF: 31.7/30

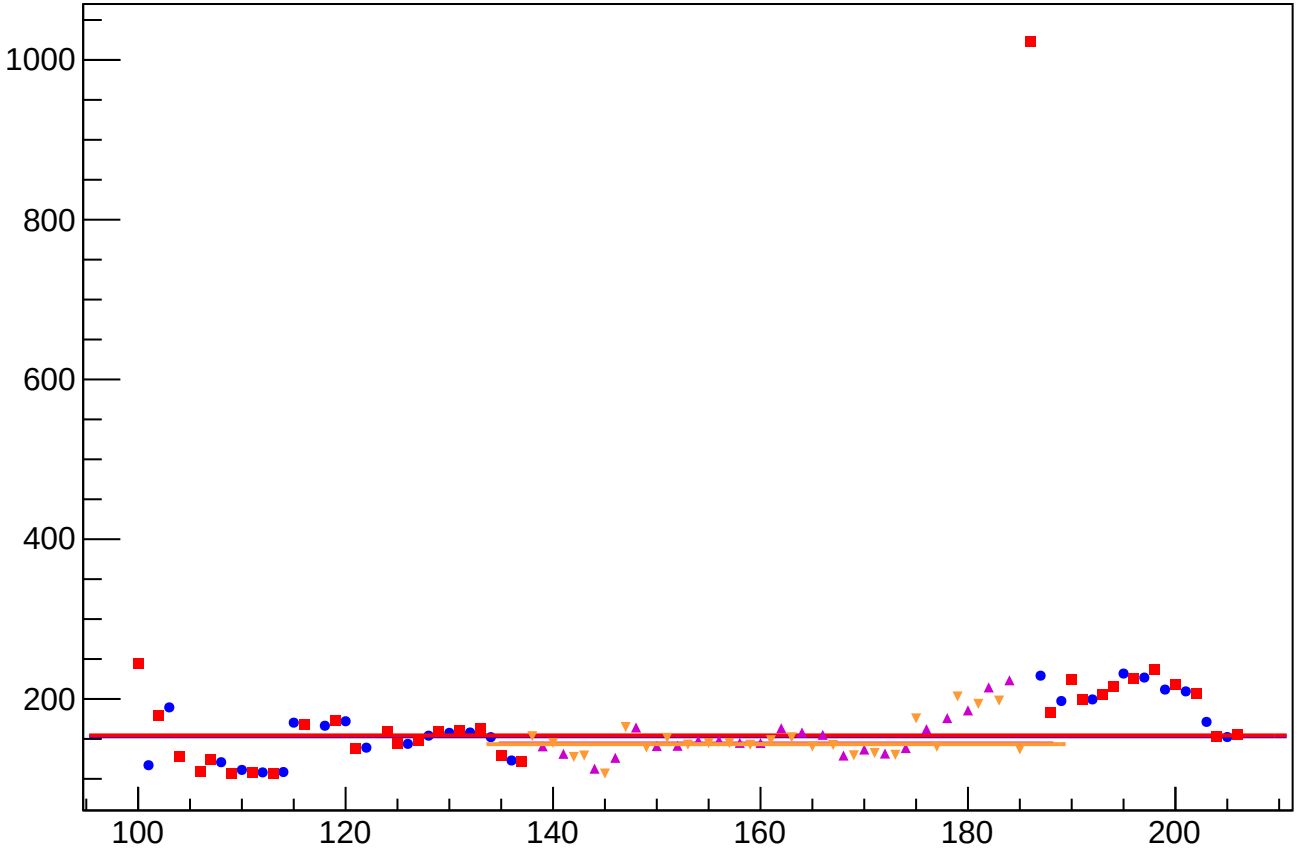
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 20.565+/-26.017 χ^2/NDF: 62.1/49

All: -7.275+/-18.366 χ^2/NDF: 124.8/103

- sign -34.929+/-25.930 χ^2/NDF: 60.4/53

cor_asym_sam_48_avg_rms vs Slug



Right In: 153.291+/-0.030 χ^2/NDF: 1515886.6/24

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

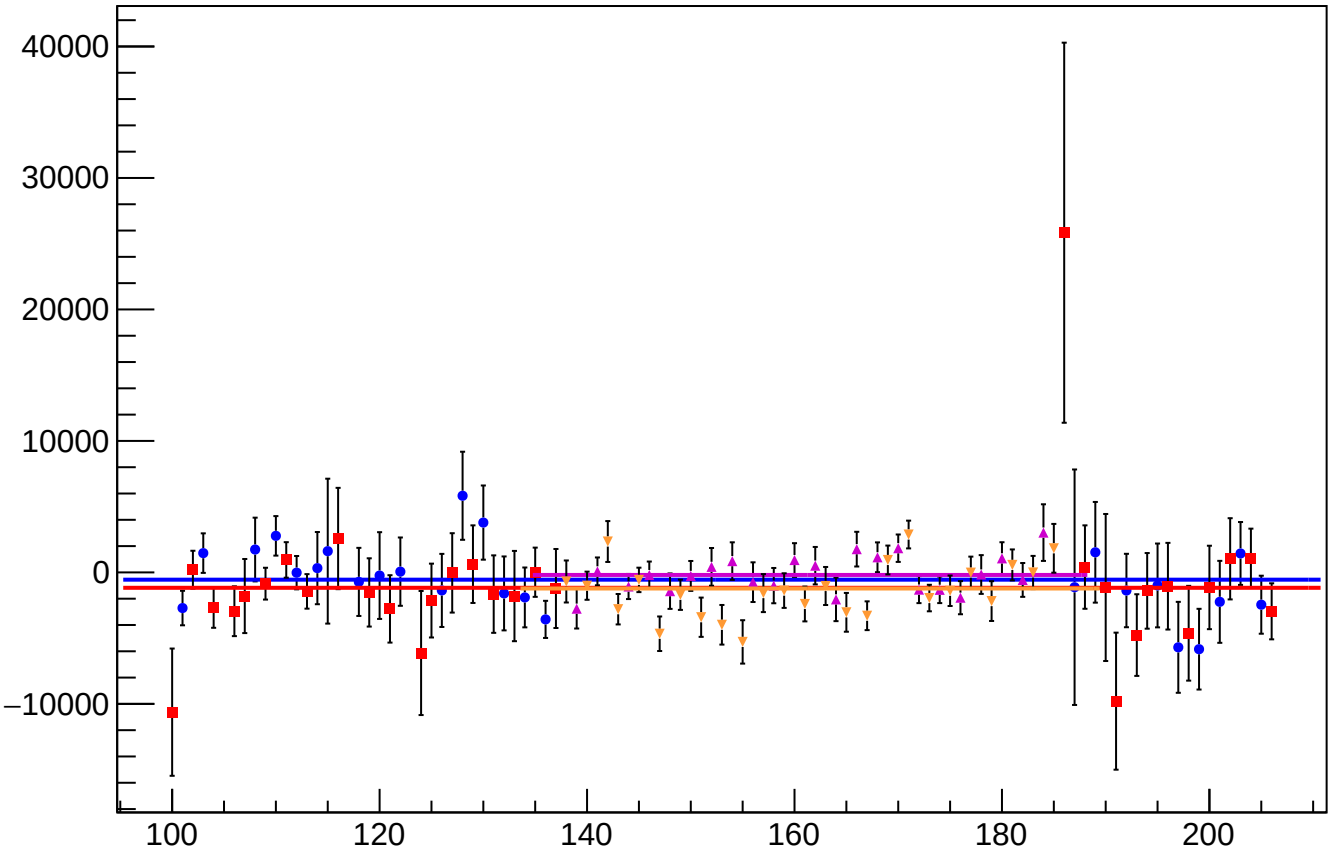
Right Out: 154.365+/-0.028 χ^2/NDF: 2447672.6/30

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.184+/-0.018 χ^2/NDF: 2330425.6/49

All: 147.836+/-0.013 χ^2/NDF: 5558777.1/103

- sign 148.483+/-0.018 χ^2/NDF: 3225847.5/53



Right In: -553.545+/-449.122 χ^2/NDF: 29.3/24

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

Right Out: -1171.307+/-417.740 χ^2/NDF: 23.8/30

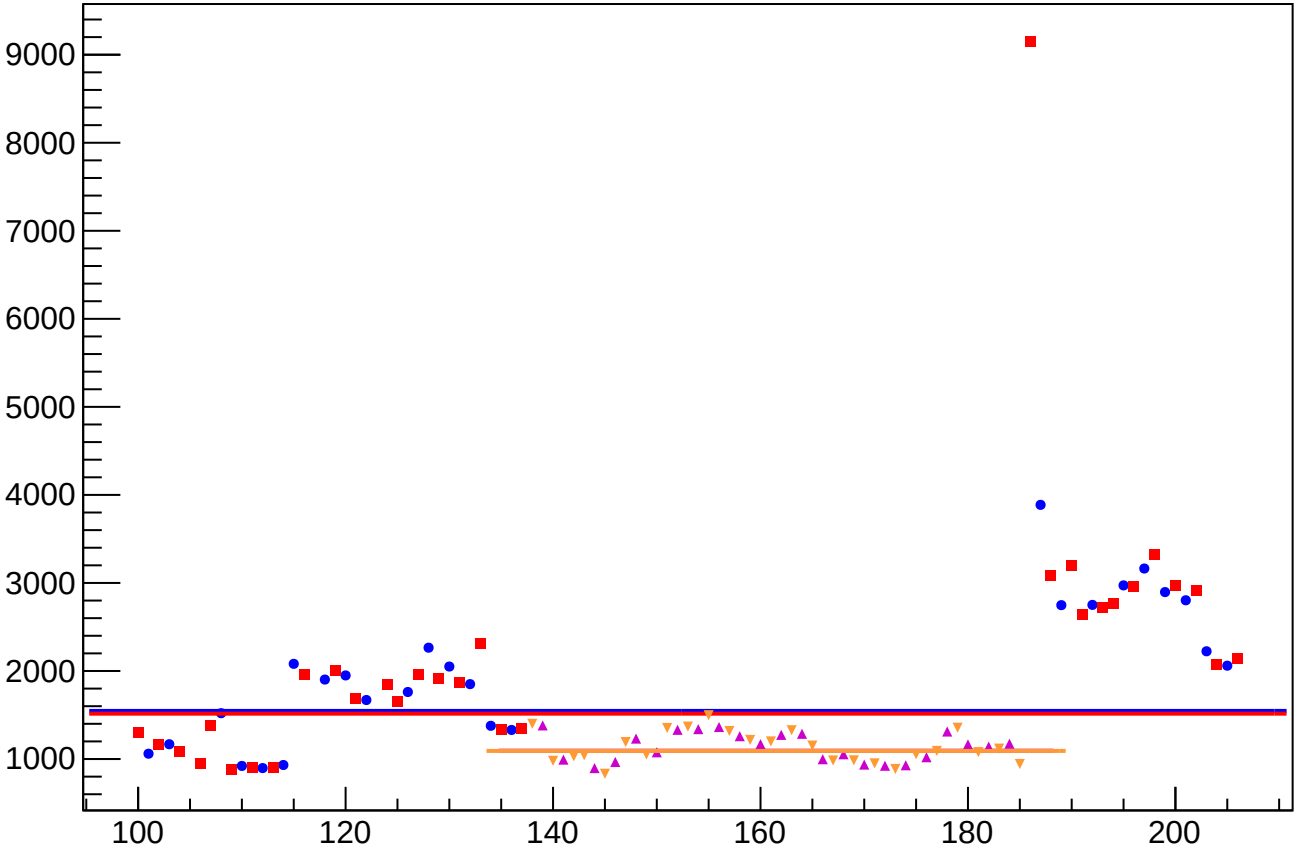
Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1064.474+/-219.614 χ^2/NDF: 90.3/49

All: -765.421+/-155.454 χ^2/NDF: 145.0/103

- sign -465.109+/-220.076 χ^2/NDF: 51.1/53

asym_sam_48_avg_cor_correction_rms vs Slug



Right In: 1546.536+/-0.318 χ^2/NDF: 4235004.2/24

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1515.354+/-0.295 χ^2/NDF: 6246397.4/30

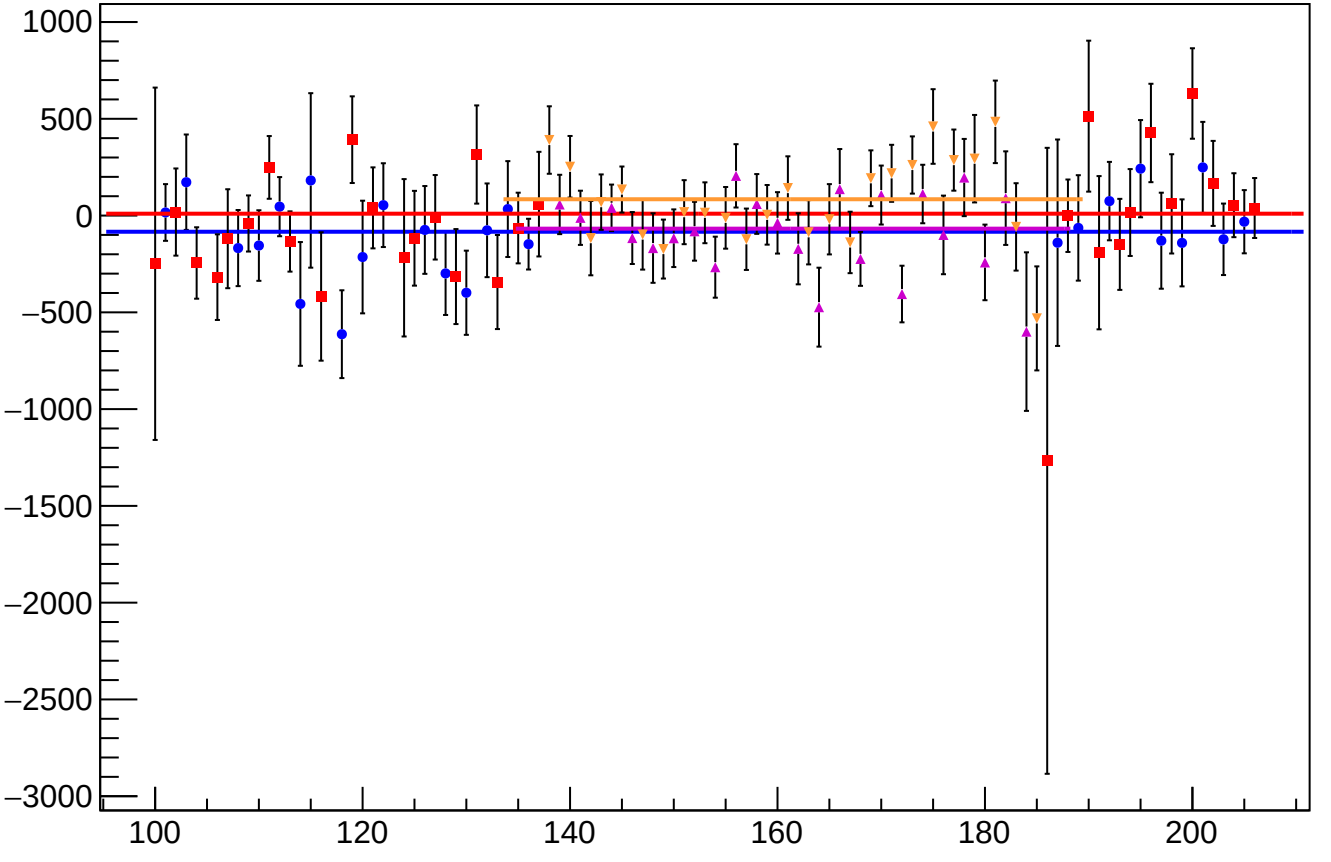
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1200.667+/-0.155 χ^2/NDF: 6686281.3/49

All: 1205.968+/-0.110 χ^2/NDF: 15134671.2/1

- sign 1211.291+/-0.156 χ^2/NDF: 8446054.6/53

eigen_cor_asym_sam_48_avg_mean vs Slug



Right In: -83.583+/-42.217 χ^2/NDF: 18.5/24

Left Out: 84.338+/-33.036 χ^2/NDF:33.8/24

Right Out: 9.694+/-39.867 χ^2/NDF: 31.7/30

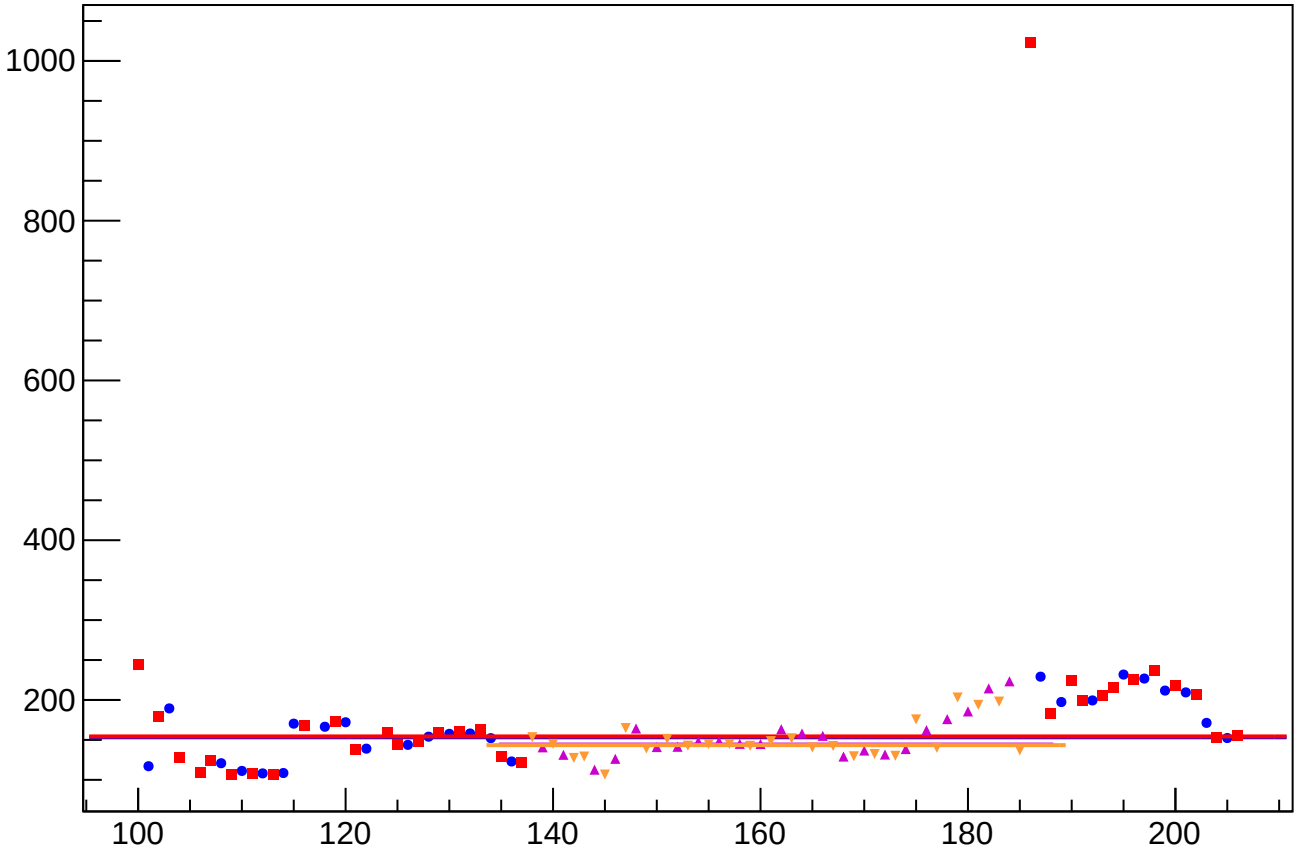
Left In: -67.648+/-34.137 χ^2/NDF:26.5/22

+ sign 20.565+/-26.017 χ^2/NDF: 62.1/49

All: -7.275+/-18.366 χ^2/NDF: 124.8/103

- sign -34.929+/-25.930 χ^2/NDF: 60.4/53

eigen_cor_asym_sam_48_avg_rms vs Slug



Right In: 153.291+/-0.030 χ^2/NDF: 1515886.6/24

Left Out: 143.444+/-0.023 χ^2/NDF:747040.9/24

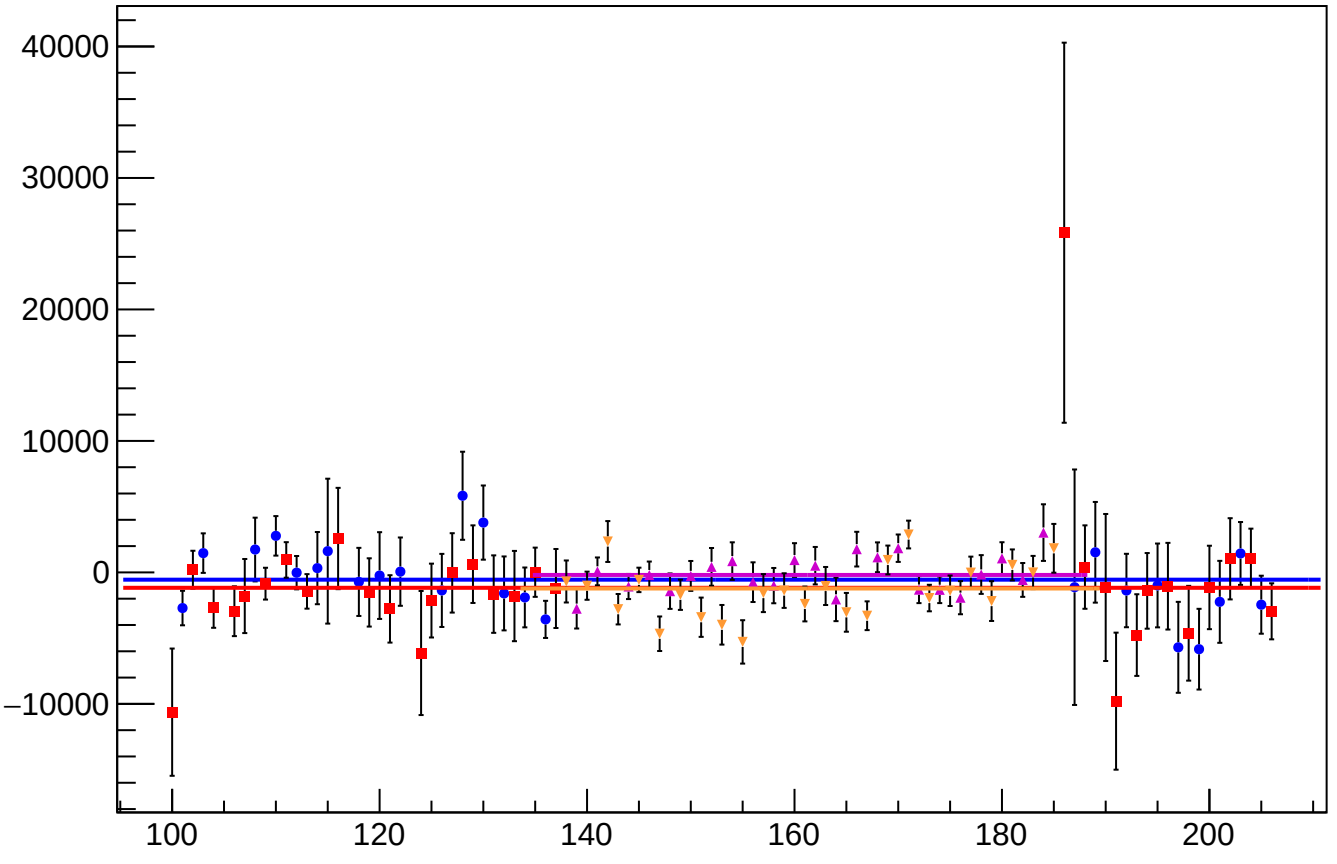
Right Out: 154.365+/-0.028 χ^2/NDF: 2447672.6/30

Left In: 144.170+/-0.024 χ^2/NDF:702713.8/22

+ sign 147.184+/-0.018 χ^2/NDF: 2330425.6/49

All: 147.836+/-0.013 χ^2/NDF: 5558777.1/103

- sign 148.483+/-0.018 χ^2/NDF: 3225847.5/53



Right In: -553.545+/-449.122 χ^2/NDF: 29.3/24

Left Out: -1225.031+/-251.767 χ^2/NDF:59.3/24

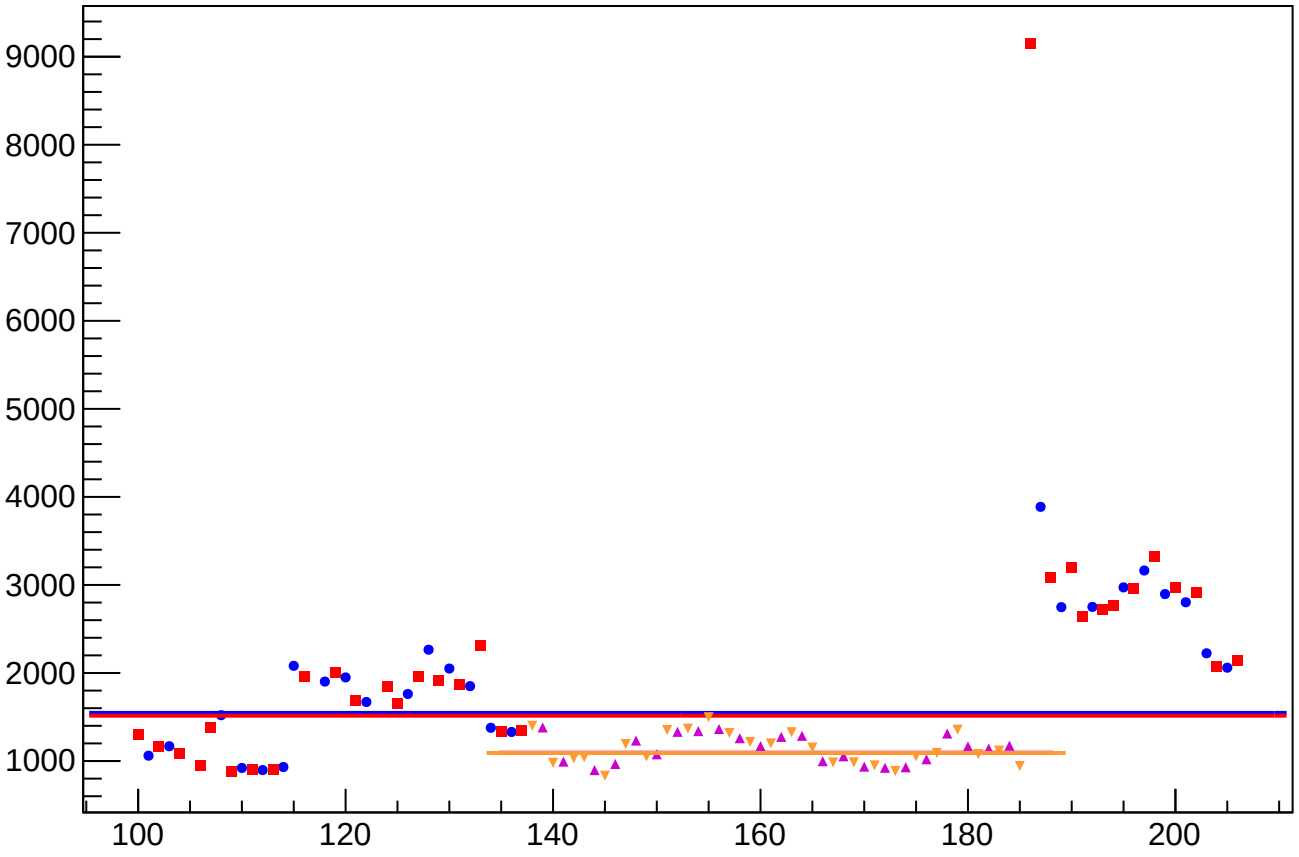
Right Out: -1171.307+/-417.740 χ^2/NDF: 23.8/30

Left In: -193.808+/-258.922 χ^2/NDF:23.3/22

+ sign -1064.474+/-219.614 χ^2/NDF: 90.3/49

All: -765.421+/-155.454 χ^2/NDF: 145.0/103

- sign -465.109+/-220.076 χ^2/NDF: 51.1/53



Right In: 1546.536+/-0.318 χ^2/NDF: 4235004.2/24

Left Out: 1091.979+/-0.178 χ^2/NDF:892441.9/24

Right Out: 1515.354+/-0.295 χ^2/NDF: 6246397.4/30

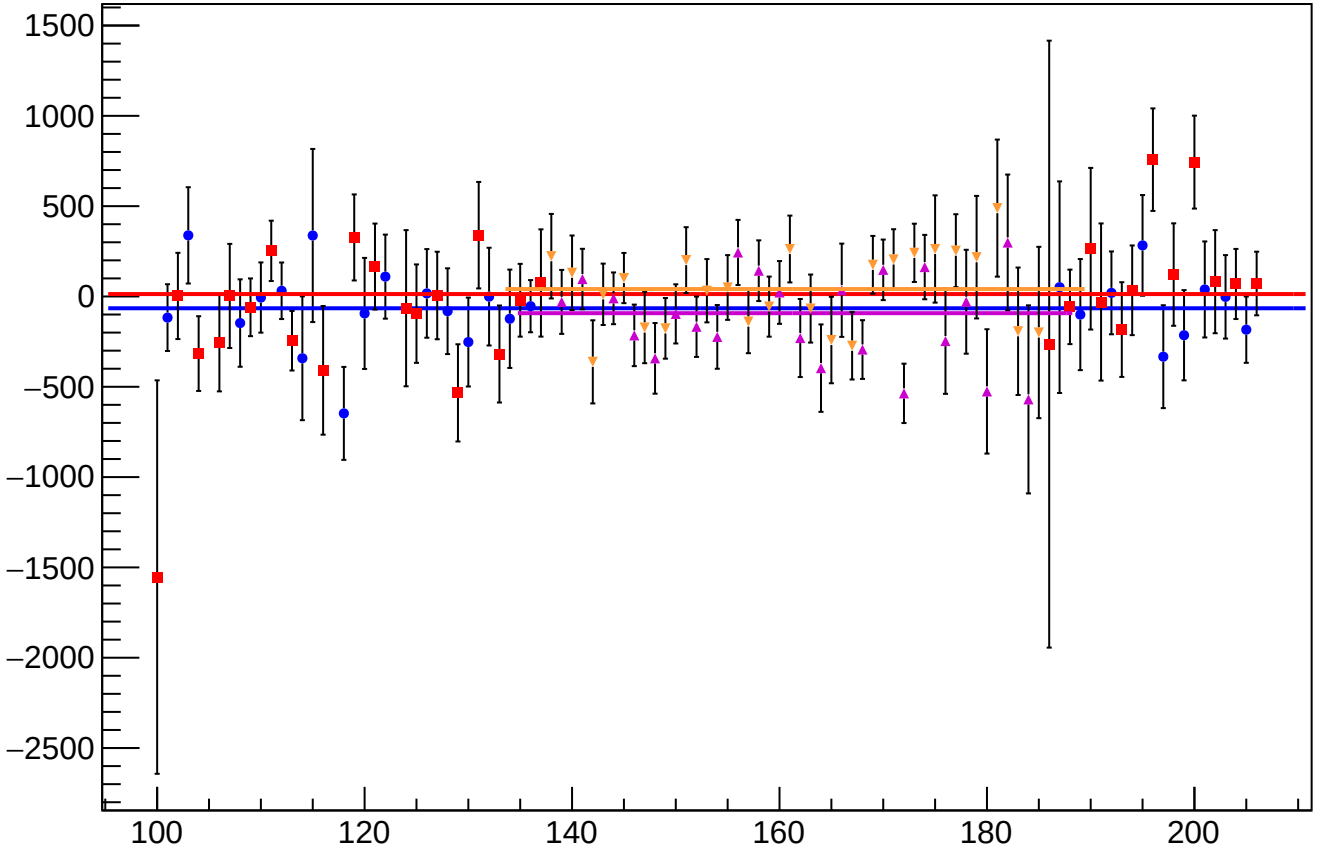
Left In: 1094.479+/-0.183 χ^2/NDF:732975.7/22

+ sign 1200.667+/-0.155 χ^2/NDF: 6686281.3/49

All: 1205.968+/-0.110 χ^2/NDF: 15134671.2/1

- sign 1211.291+/-0.156 χ^2/NDF: 8446054.6/53

dit_asym_sam_48_avg_mean vs Slug



Right In: -65.332+/-47.299 χ^2/NDF: 14.5/24

Left Out: 41.086+/-39.177 χ^2/NDF:22.3/24

Right Out: 13.300+/-44.296 χ^2/NDF: 37.4/30

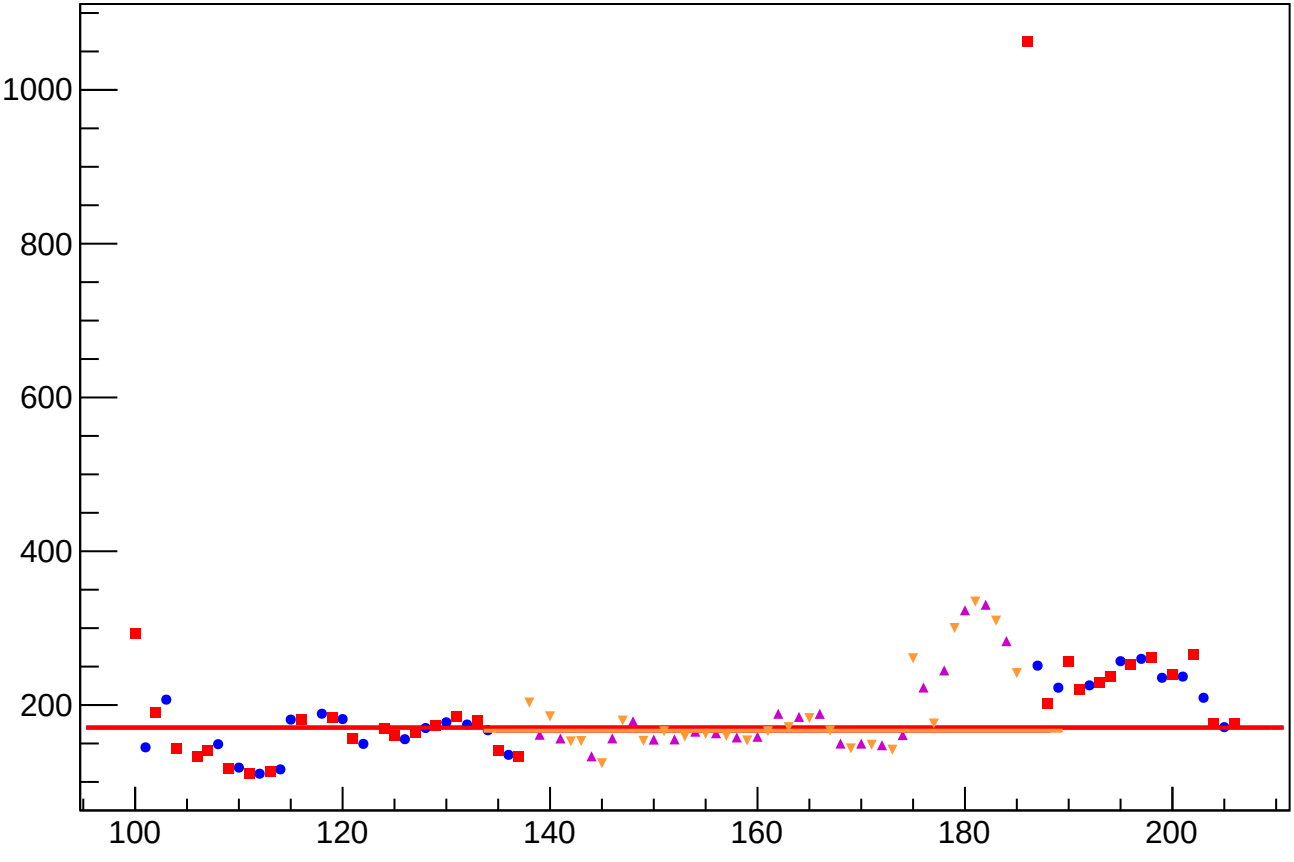
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -2.216+/-30.171 χ^2/NDF: 39.8/49

All: -23.800+/-21.185 χ^2/NDF: 110.8/103

- sign -44.793+/-29.755 χ^2/NDF: 70.0/53

dit_asym_sam_48_avg_rms vs Slug



Right In: 170.826+/-0.033 χ^2/NDF: 1653372.4/24

Left Out: 166.599+/-0.028 χ^2/NDF:1719835.6/24

Right Out: 170.505+/-0.031 χ^2/NDF: 2646678.3/30

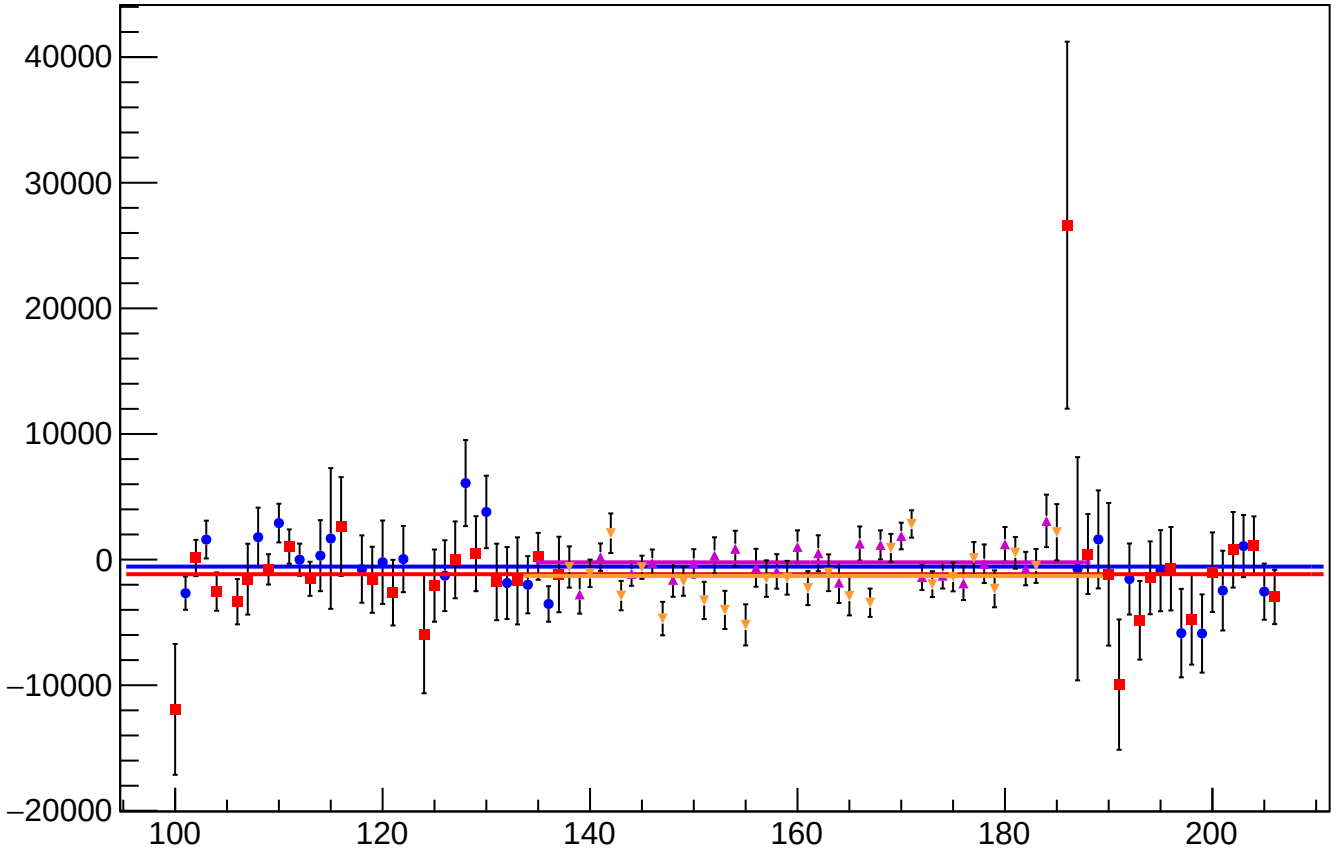
Left In: 166.308+/-0.028 χ^2/NDF:1392466.3/22

+ sign 168.319+/-0.021 χ^2/NDF: 3382685.3/49

All: 168.260+/-0.015 χ^2/NDF: 7431700.0/103

- sign 168.202+/-0.021 χ^2/NDF: 4048999.4/53

asym_sam_48_avg_dit_correction_mean vs Slug



Right In: -557.456+/-454.146 χ^2/NDF: 29.5/24

Left Out: -1298.333+/-256.961 χ^2/NDF:55.1/24

Right Out: -1162.567+/-420.839 χ^2/NDF: 24.9/30

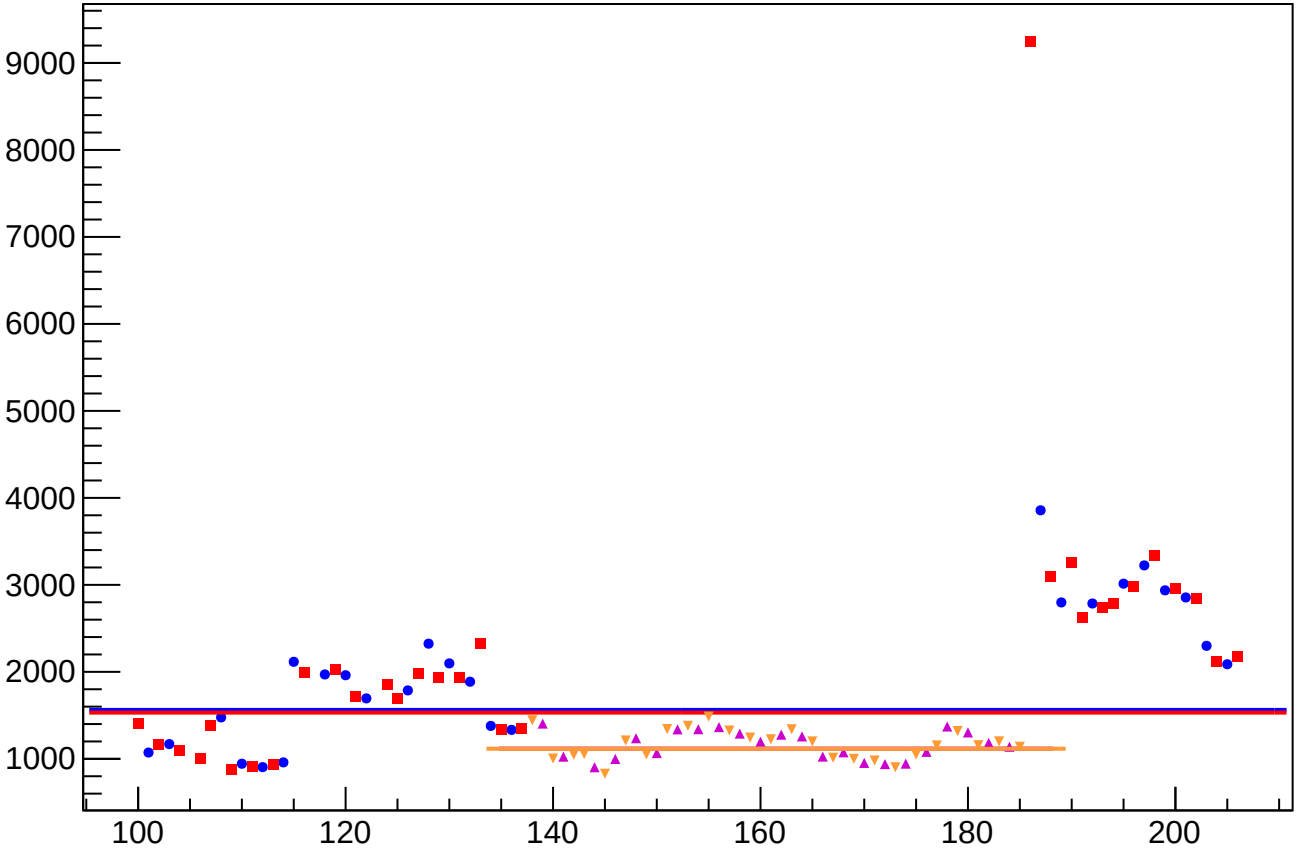
Left In: -217.285+/-264.388 χ^2/NDF:22.2/22

+ sign -1118.666+/-223.644 χ^2/NDF: 86.6/49

All: -802.055+/-158.221 χ^2/NDF: 141.4/103

- sign -484.793+/-223.874 χ^2/NDF: 50.8/53

asym_sam_48_avg_dit_correction_rms vs Slug



Right In: 1562.667+/-0.321 χ^2/NDF: 4293476.9/24

Left Out: 1116.034+/-0.182 χ^2/NDF:867489.3/24

Right Out: 1531.583+/-0.298 χ^2/NDF: 6198825.0/30

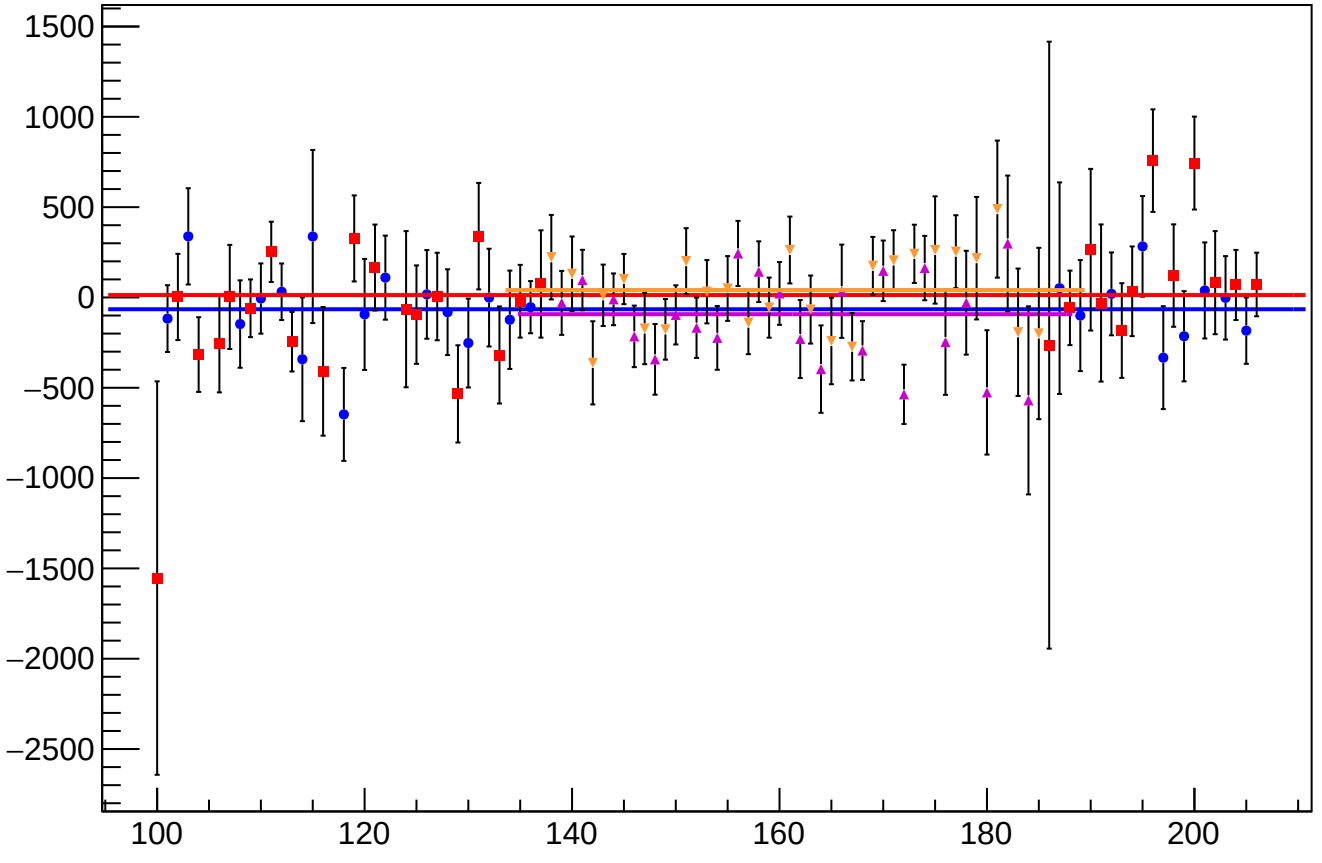
Left In: 1117.831+/-0.187 χ^2/NDF:729387.1/22

+ sign 1224.345+/-0.158 χ^2/NDF: 6626245.6/49

All: 1229.627+/-0.112 χ^2/NDF: 14942815.3/1

- sign 1234.920+/-0.158 χ^2/NDF: 8314336.1/53

eigen_dit_asym_sam_48_avg_mean vs Slug



Right In: -65.329+/-47.298 χ^2/NDF: 14.5/24

Left Out: 41.088+/-39.177 χ^2/NDF:22.3/24

Right Out: 13.300+/-44.296 χ^2/NDF: 37.4/30

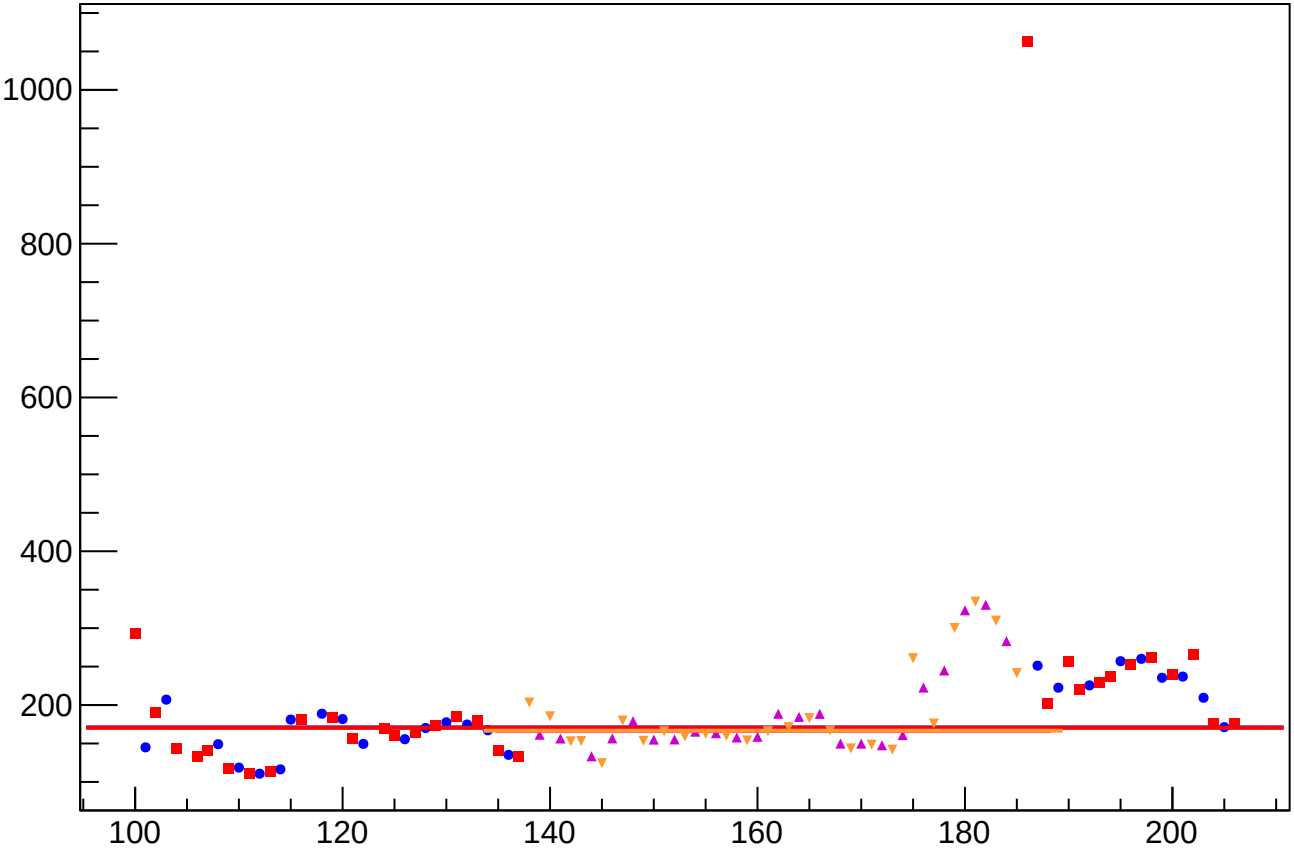
Left In: -92.556+/-40.165 χ^2/NDF:29.5/22

+ sign -2.213+/-30.171 χ^2/NDF: 39.8/49

All: -23.799+/-21.186 χ^2/NDF: 110.8/103

- sign -44.793+/-29.755 χ^2/NDF: 70.0/53

eigen_dit_asym_sam_48_avg_rms vs Slug



Right In: 170.826+/-0.033 χ^2/NDF: 1653360.4/24

Left Out: 166.599+/-0.028 χ^2/NDF:1719829.4/24

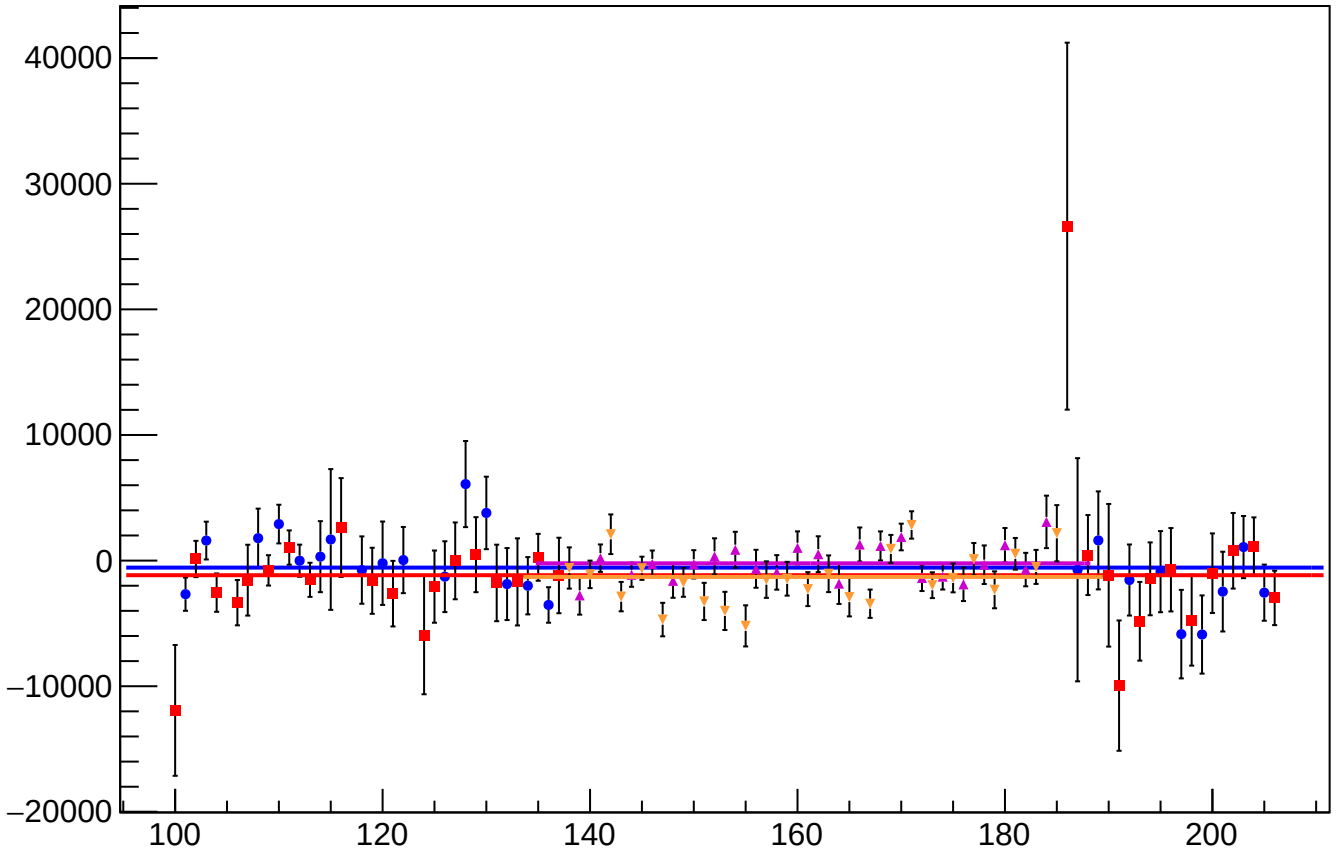
Right Out: 170.505+/-0.031 χ^2/NDF: 2646685.2/30

Left In: 166.308+/-0.028 χ^2/NDF:1392446.1/22

+ sign 168.319+/-0.021 χ^2/NDF: 3382665.4/49

All: 168.260+/-0.015 χ^2/NDF: 7431665.4/103

- sign 168.202+/-0.021 χ^2/NDF: 4048984.8/53



Right In: -557.455+/-454.146 χ^2/NDF: 29.5/24

Left Out: -1298.330+/-256.961 χ^2/NDF:55.1/24

Right Out: -1162.566+/-420.839 χ^2/NDF: 24.9/30

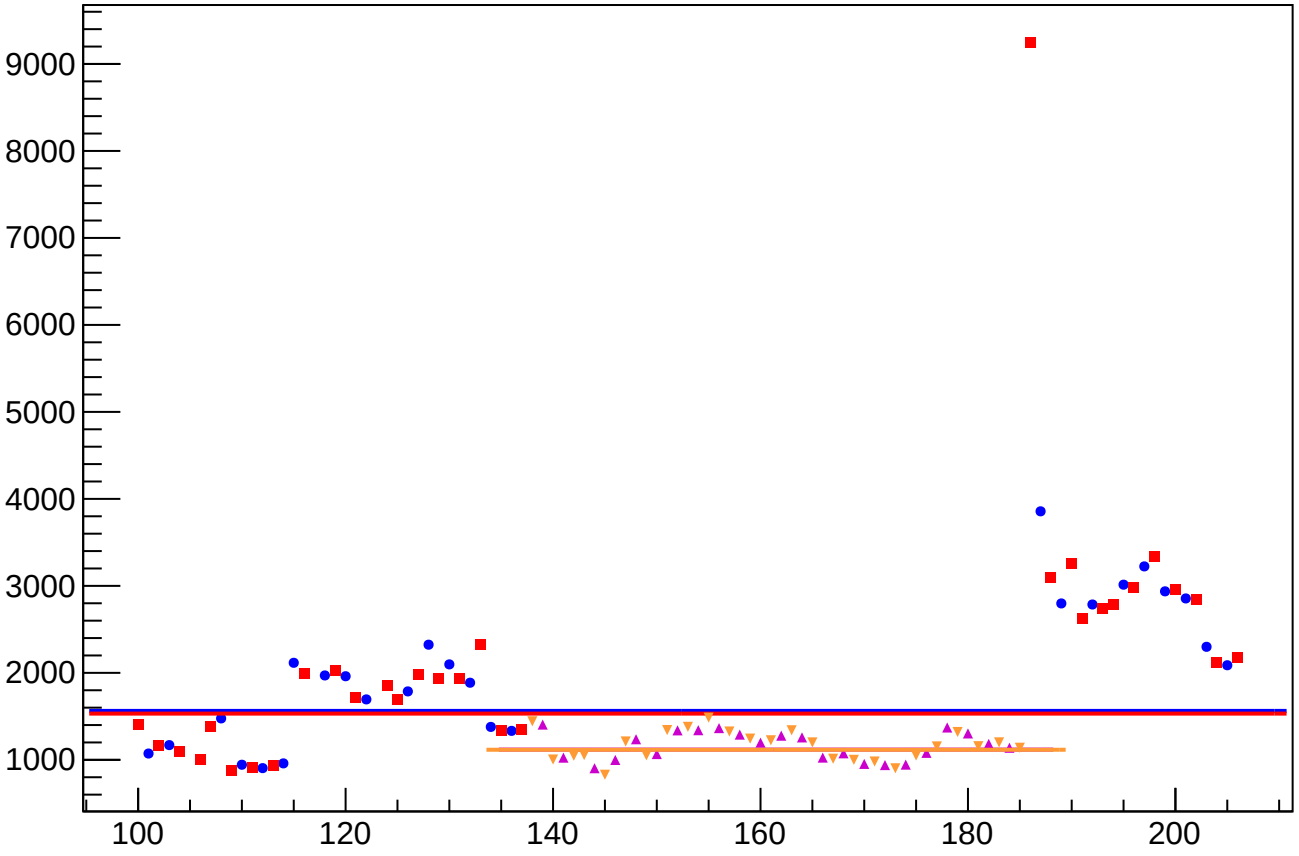
Left In: -217.283+/-264.388 χ^2/NDF:22.2/22

+ sign -1118.663+/-223.644 χ^2/NDF: 86.6/49

All: -802.053+/-158.221 χ^2/NDF: 141.4/103

- sign -484.791+/-223.874 χ^2/NDF: 50.8/53

asym_sam_48_avg_eigen_dit_correction_rms vs Slug



Right In: 1562.665+/-0.321 χ^2/NDF: 4293477.4/24

Left Out: 1116.032+/-0.182 χ^2/NDF:867491.2/24

Right Out: 1531.582+/-0.298 χ^2/NDF: 6198823.9/30

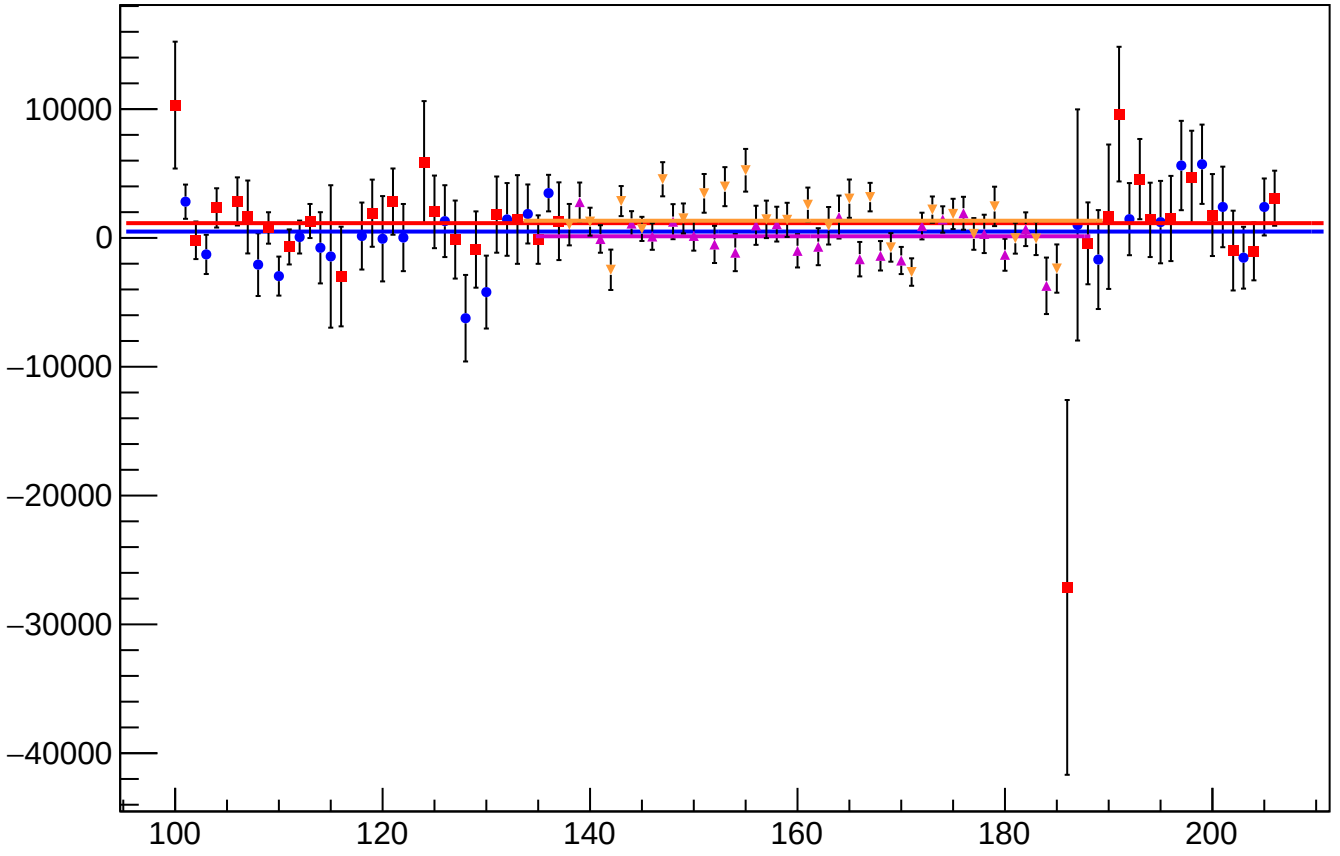
Left In: 1117.829+/-0.187 χ^2/NDF:729386.0/22

+ sign 1224.343+/-0.158 χ^2/NDF: 6626253.2/49

All: 1229.625+/-0.112 χ^2/NDF: 14942826.1/1

- sign 1234.918+/-0.158 χ^2/NDF: 8314339.3/53

asym_sam_48_avg_mean vs Slug



Right In: 493.822+/-452.050 χ^2/NDF: 30.4/24

Left Out: 1334.704+/-254.187 χ^2/NDF:55.7/24

Right Out: 1147.233+/-419.875 χ^2/NDF: 22.8/30

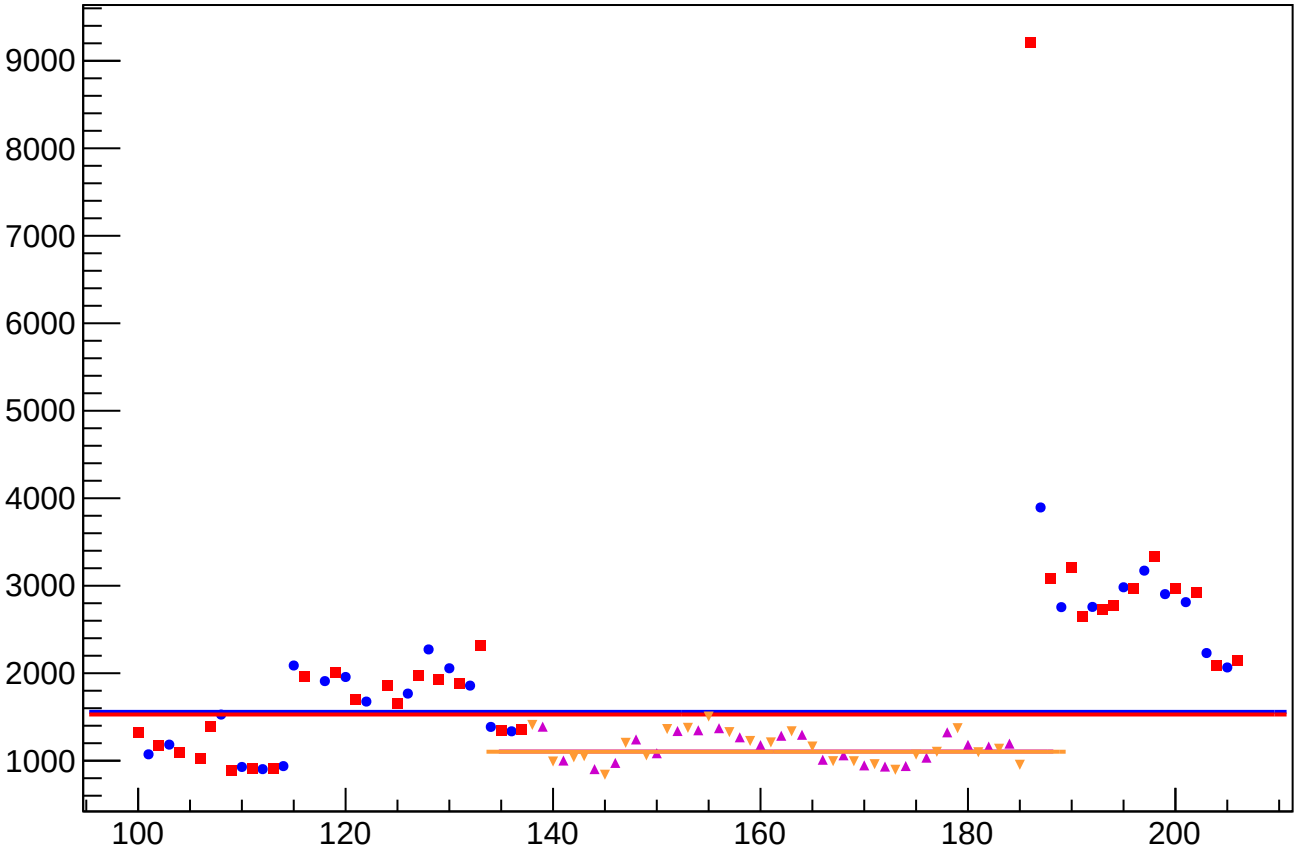
Left In: 128.368+/-261.415 χ^2/NDF:24.0/22

+ sign 1132.703+/-221.562 χ^2/NDF: 88.7/49

All: 773.423+/-156.794 χ^2/NDF: 144.9/103

- sign 412.987+/-221.918 χ^2/NDF: 51.0/53

asym_sam_48_avg_rms vs Slug



Right In: 1558.187+/-0.320 χ^2/NDF: 4186866.3/24

Left Out: 1102.700+/-0.180 χ^2/NDF:880468.6/24

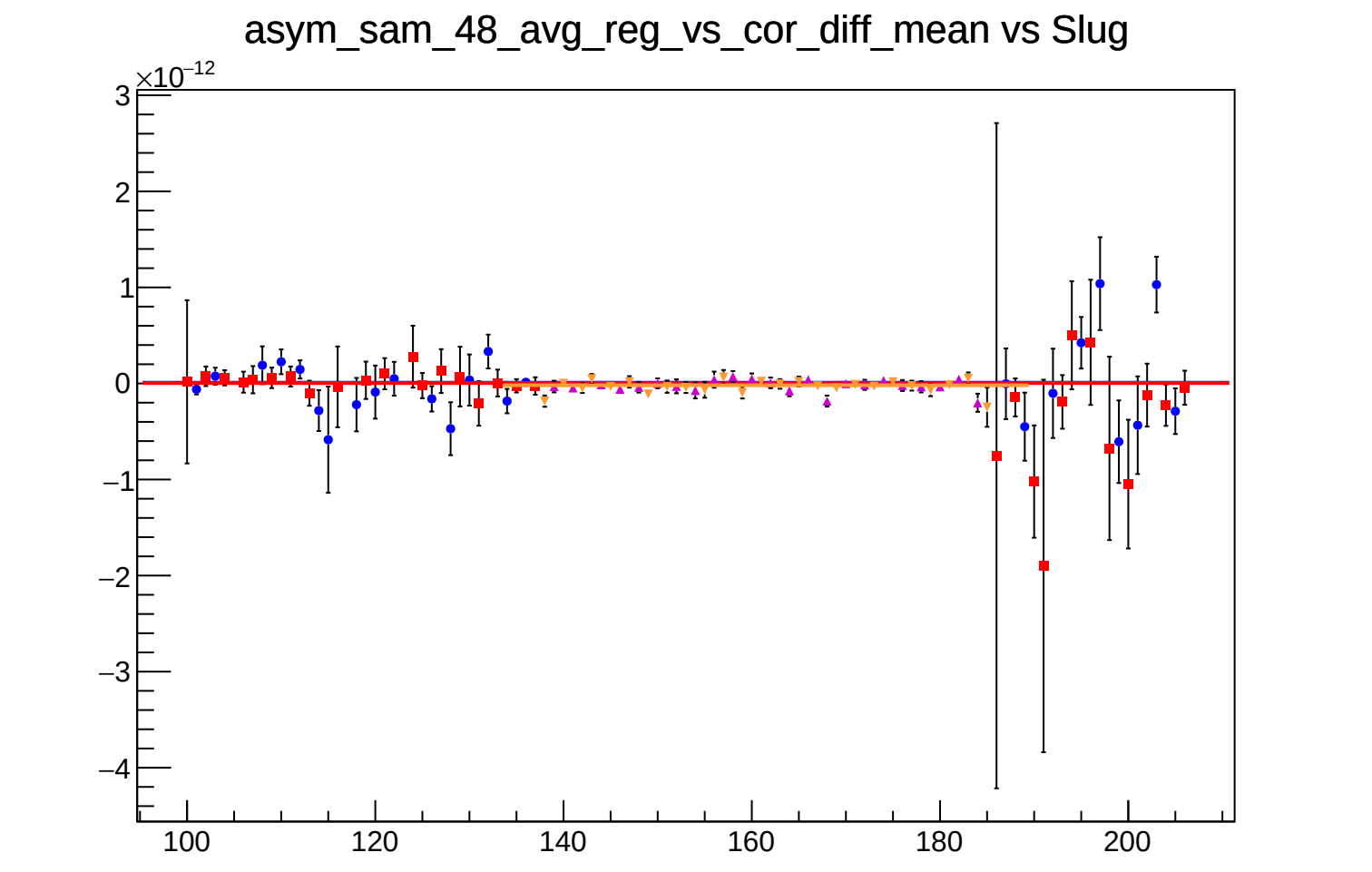
Right Out: 1528.273+/-0.297 χ^2/NDF: 6162516.9/30

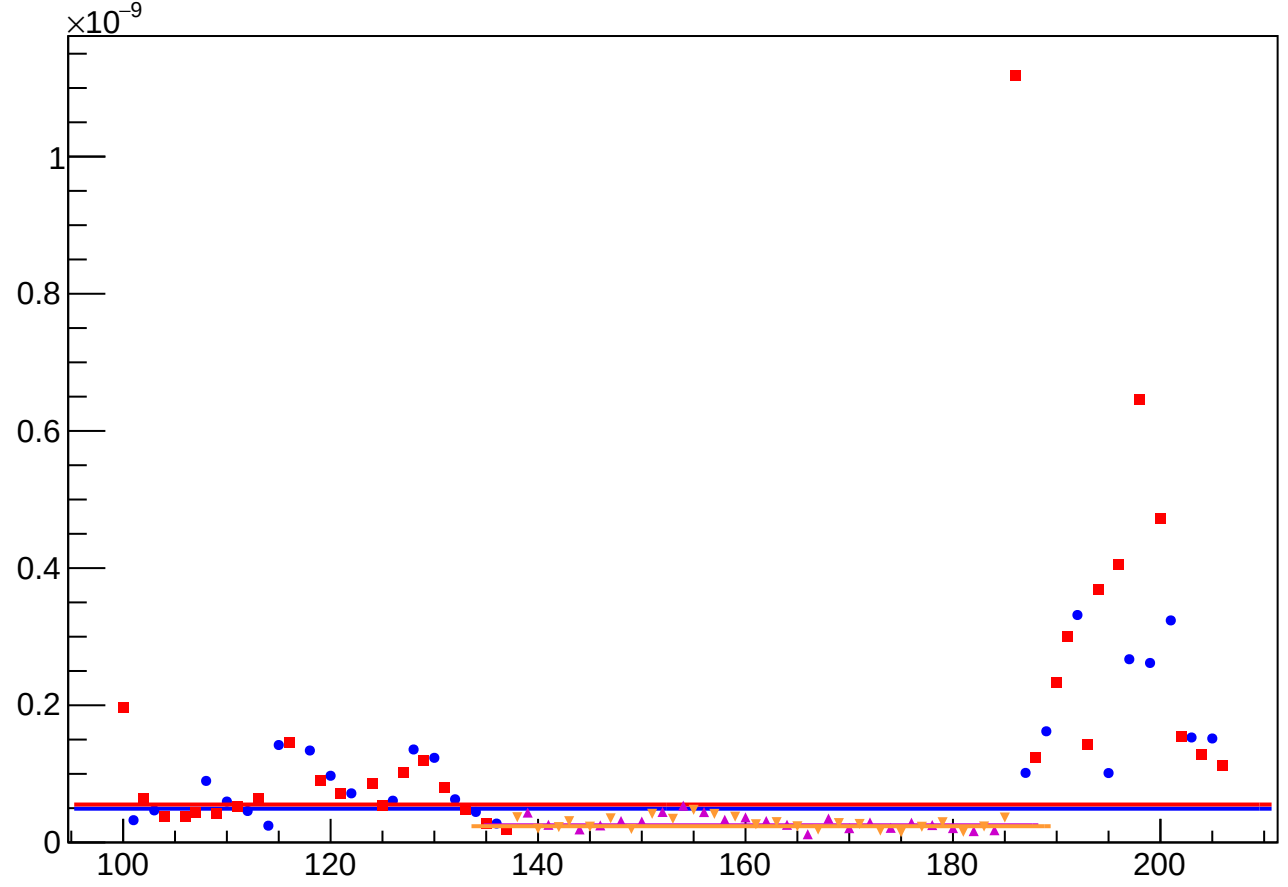
Left In: 1105.200+/-0.185 χ^2/NDF:723304.5/22

\+ sign 1212.120+/-0.157 χ^2/NDF: 6610076.0/49

All: 1217.743+/-0.111 χ^2/NDF: 14961821.2/1

\- sign 1223.385+/-0.157 χ^2/NDF: 8349164.2/53


asym_sam_48_avg_reg_vs_cor_diff_mean vs Slug
×10^−12
3
2
1
0
−1
−2
−3
−4
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 47.6/24
Left Out: -0.000+/-0.000 χ²/NDF:26.5/24
Right Out: 0.000+/-0.000 χ²/NDF: 15.7/30
Left In: -0.000+/-0.000 χ²/NDF:27.1/22
+ sign -0.000+/-0.000 χ²/NDF: 75.0/49
All: -0.000+/-0.000 χ²/NDF: 118.3/103
- sign -0.000+/-0.000 χ²/NDF: 43.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 4631087.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:1433511.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5519064.8/30

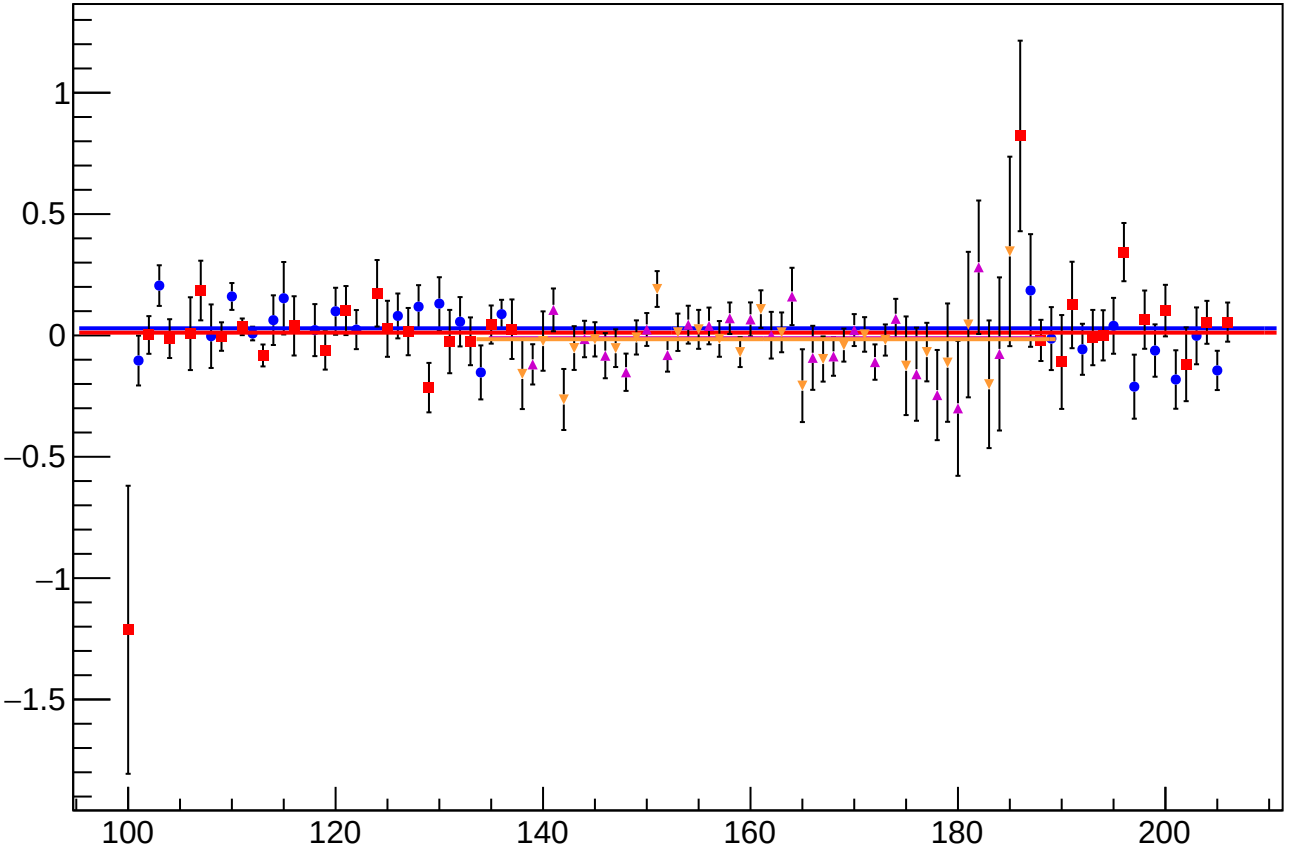
Left In: 0.000+/-0.000 χ^2/NDF:1544727.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 7769830.6/49

All: 0.000+/-0.000 χ^2/NDF: 17010761.4/103

- sign 0.000+/-0.000 χ^2/NDF: 9185605.1/53

asym_sam_48_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.011+/-0.016 χ^2/NDF: 34.8/30

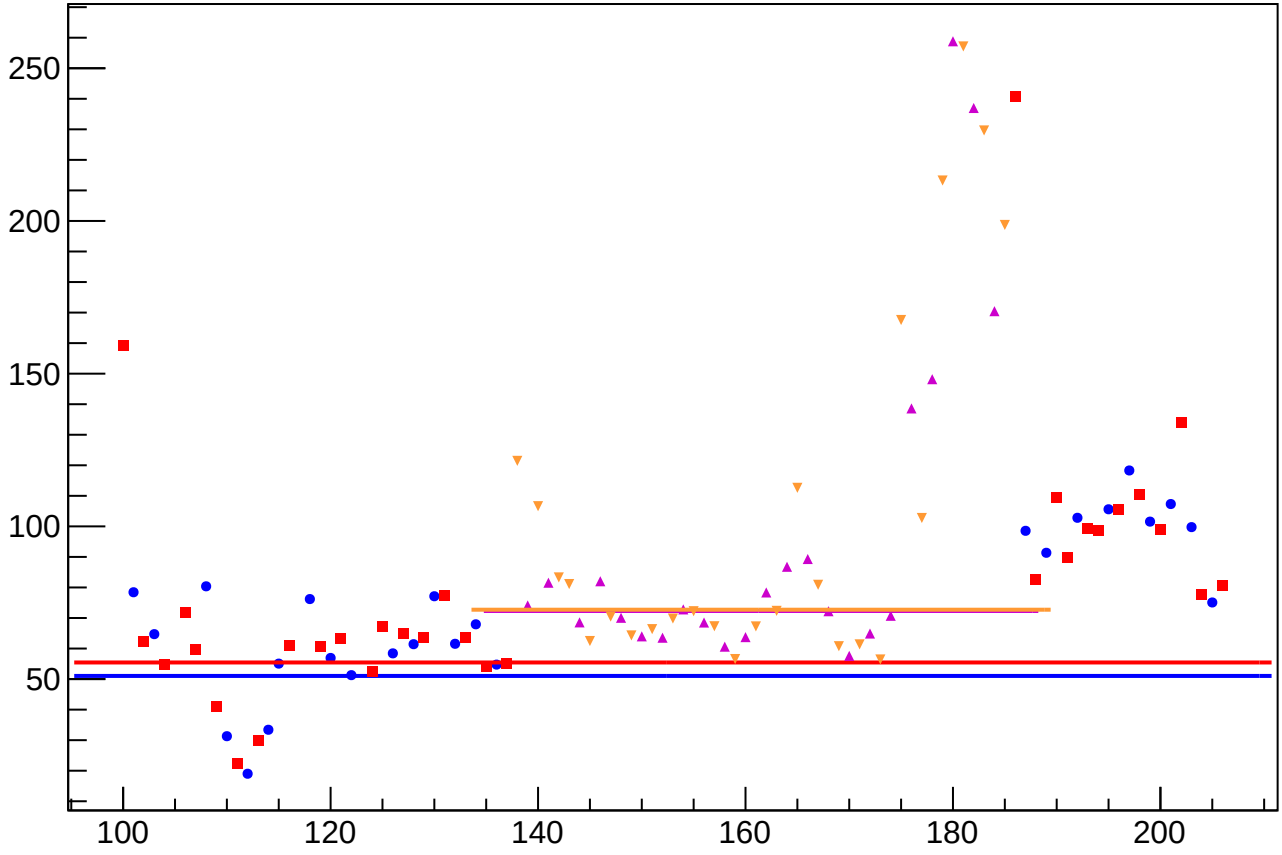
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.009+/-0.012 χ^2/NDF: 57.7/49

All: 0.006+/-0.008 χ^2/NDF: 117.0/103

- sign 0.002+/-0.012 χ^2/NDF: 59.1/53

asym_sam_48_avg_dit_vs_cor_diff_rms vs Slug



Right In: 51.033+/-0.011 χ^2/NDF: 6676824.8/24

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

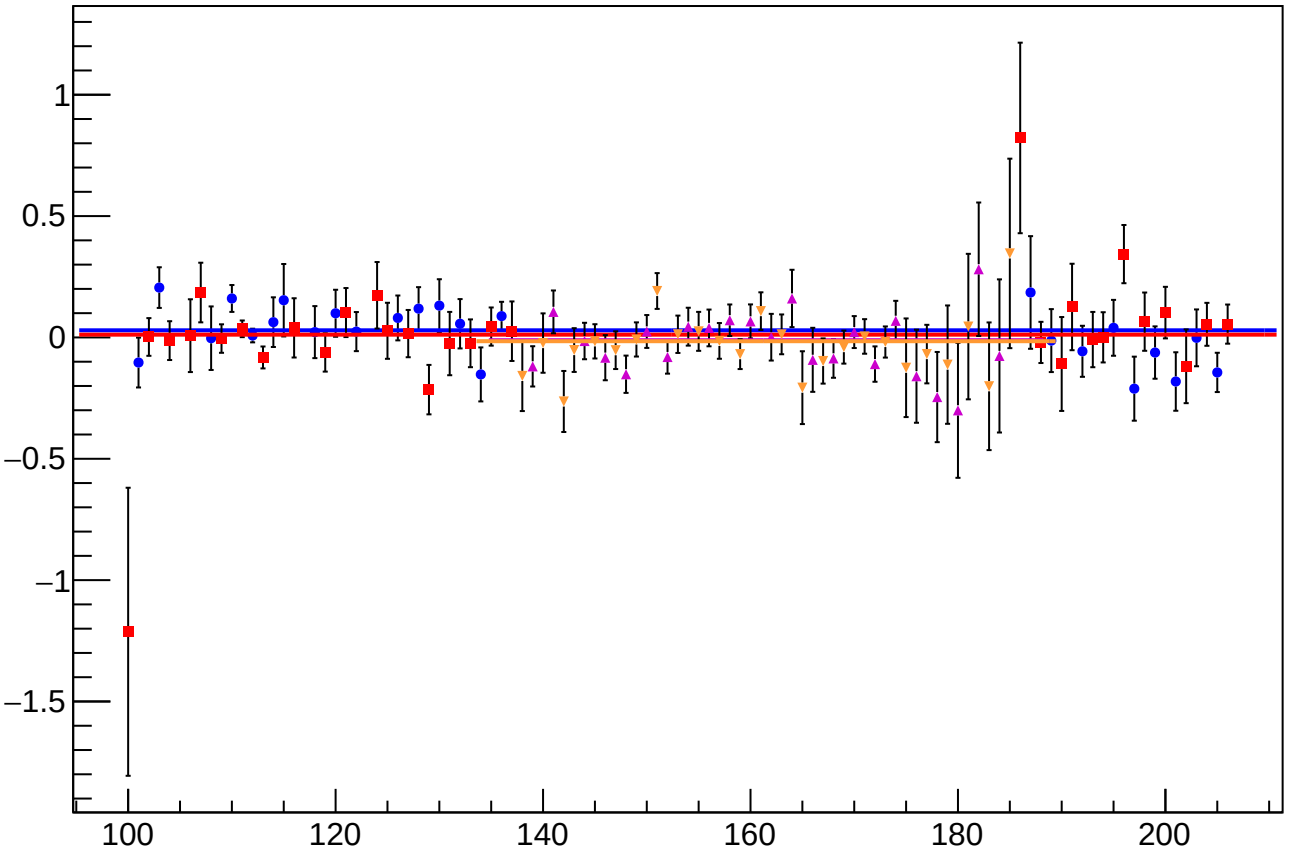
Right Out: 55.440+/-0.011 χ^2/NDF: 6375729.3/30

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 60.707+/-0.008 χ^2/NDF: 12252074.3/49

All: 61.673+/-0.006 χ^2/NDF: 22422223.7/103

- sign 62.627+/-0.008 χ^2/NDF: 10144369.6/53



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

Right Out: 0.011+/-0.016 χ^2/NDF: 34.8/30

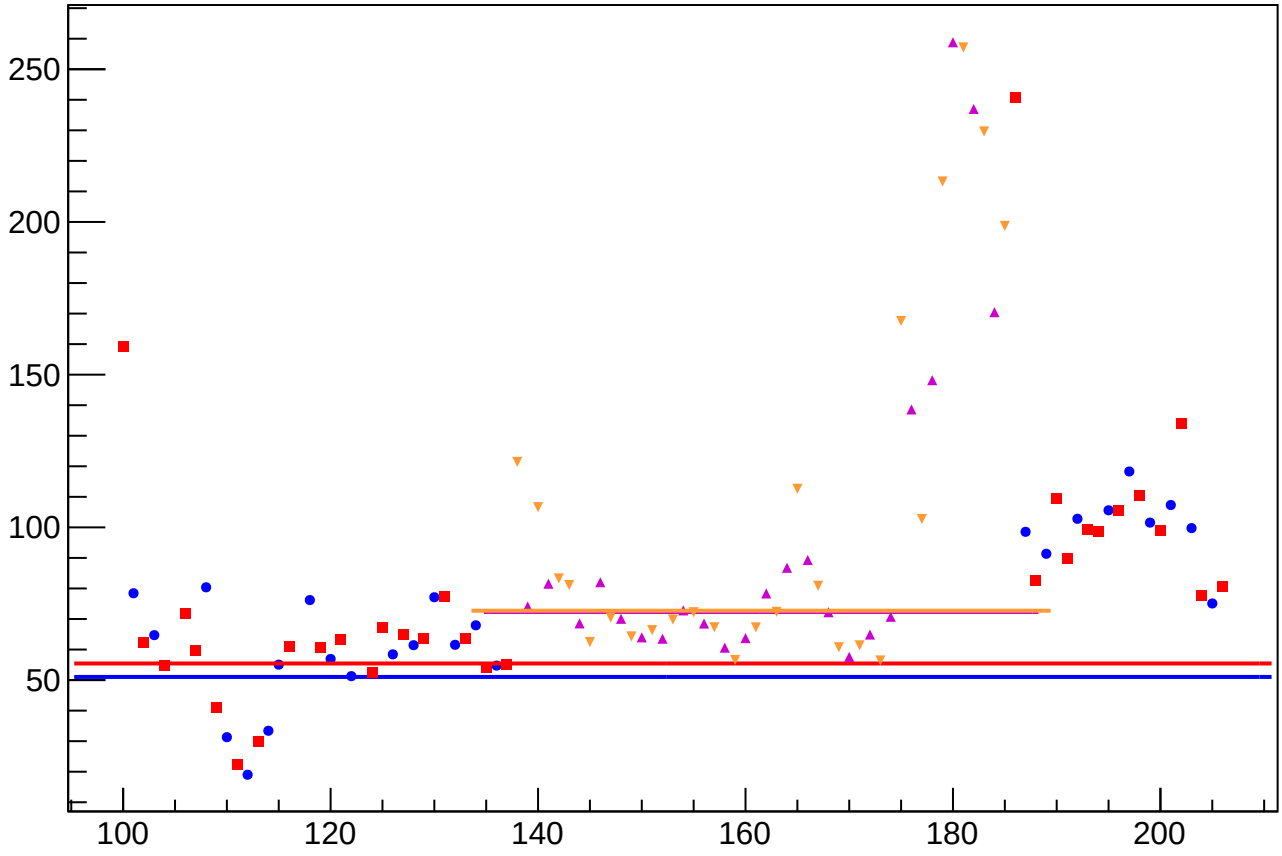
Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.009+/-0.012 χ^2/NDF: 57.7/49

All: 0.006+/-0.008 χ^2/NDF: 117.0/103

- sign 0.002+/-0.012 χ^2/NDF: 59.1/53

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 51.033+/-0.011 χ^2/NDF: 6676824.8/24

Left Out: 72.715+/-0.013 χ^2/NDF:3961158.6/24

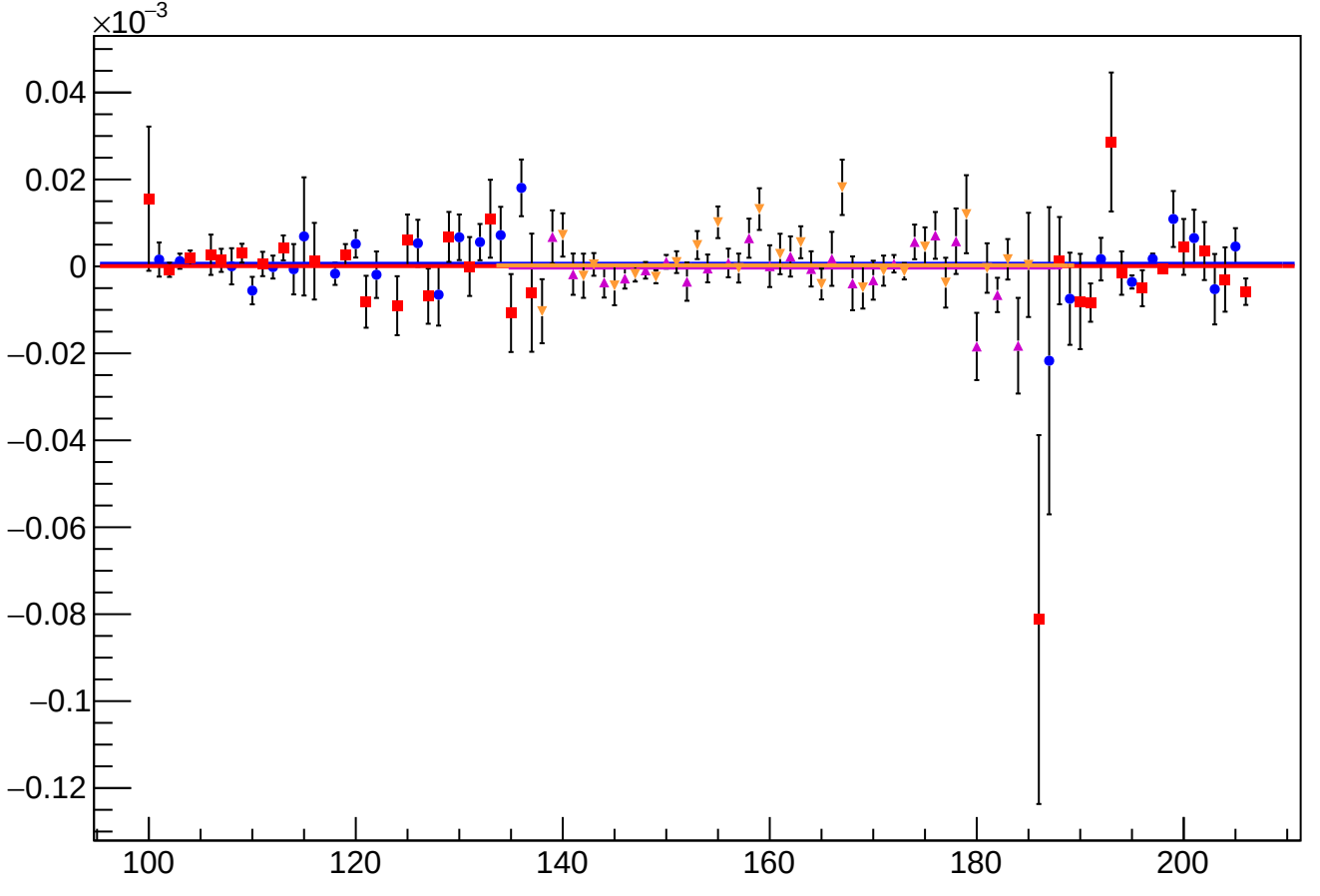
Right Out: 55.440+/-0.011 χ^2/NDF: 6375729.3/30

Left In: 72.298+/-0.013 χ^2/NDF:2790214.3/22

+ sign 60.707+/-0.008 χ^2/NDF: 12252074.3/49

All: 61.673+/-0.006 χ^2/NDF: 22422223.7/103

- sign 62.627+/-0.008 χ^2/NDF: 10144369.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 34.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:43.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 36.1/30

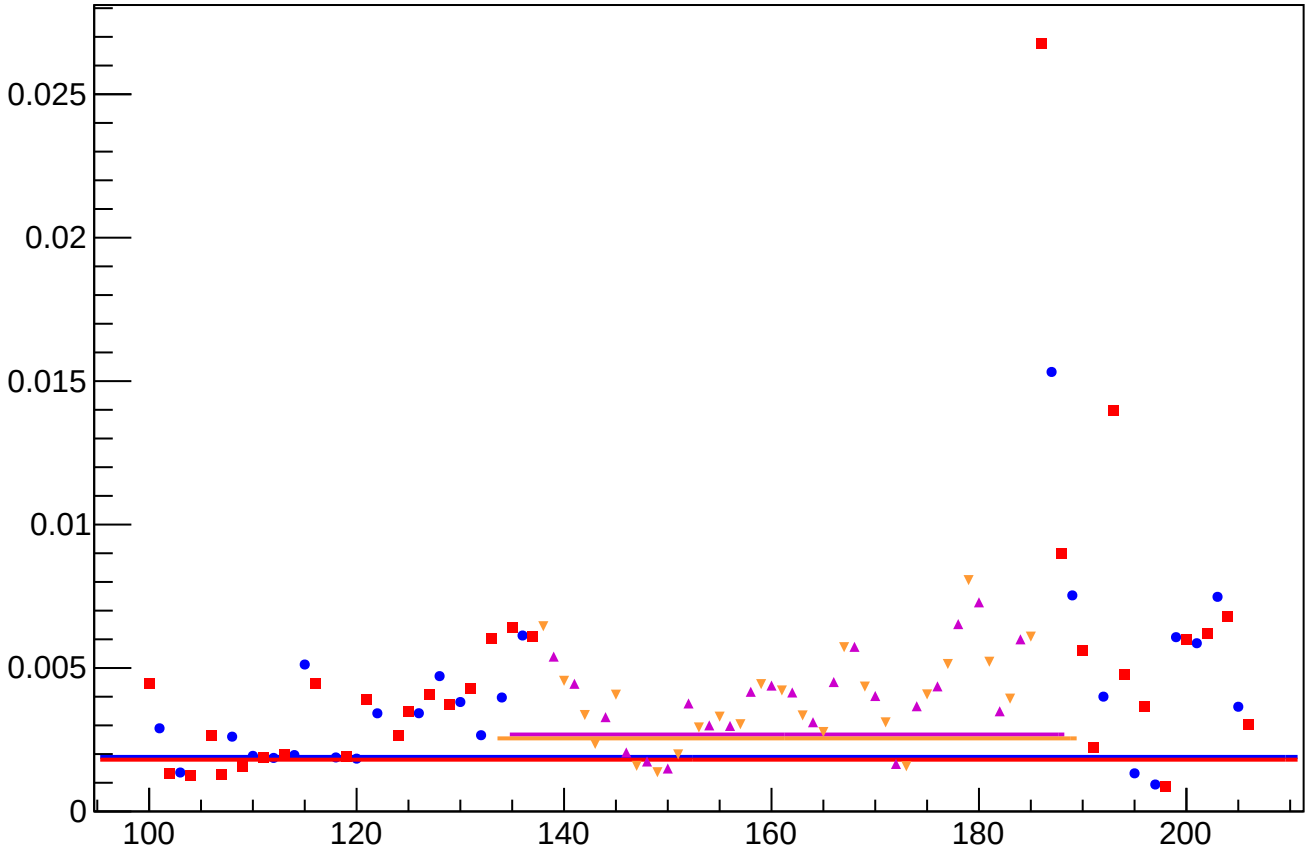
Left In: -0.000+/-0.000 χ^2/NDF:24.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 78.0/49

All: 0.000+/-0.000 χ^2/NDF: 139.0/103

- sign -0.000+/-0.000 χ^2/NDF: 60.3/53

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 8100600.0/24

Left Out: 0.003+/-0.000 χ^2/NDF:7499900.9/24

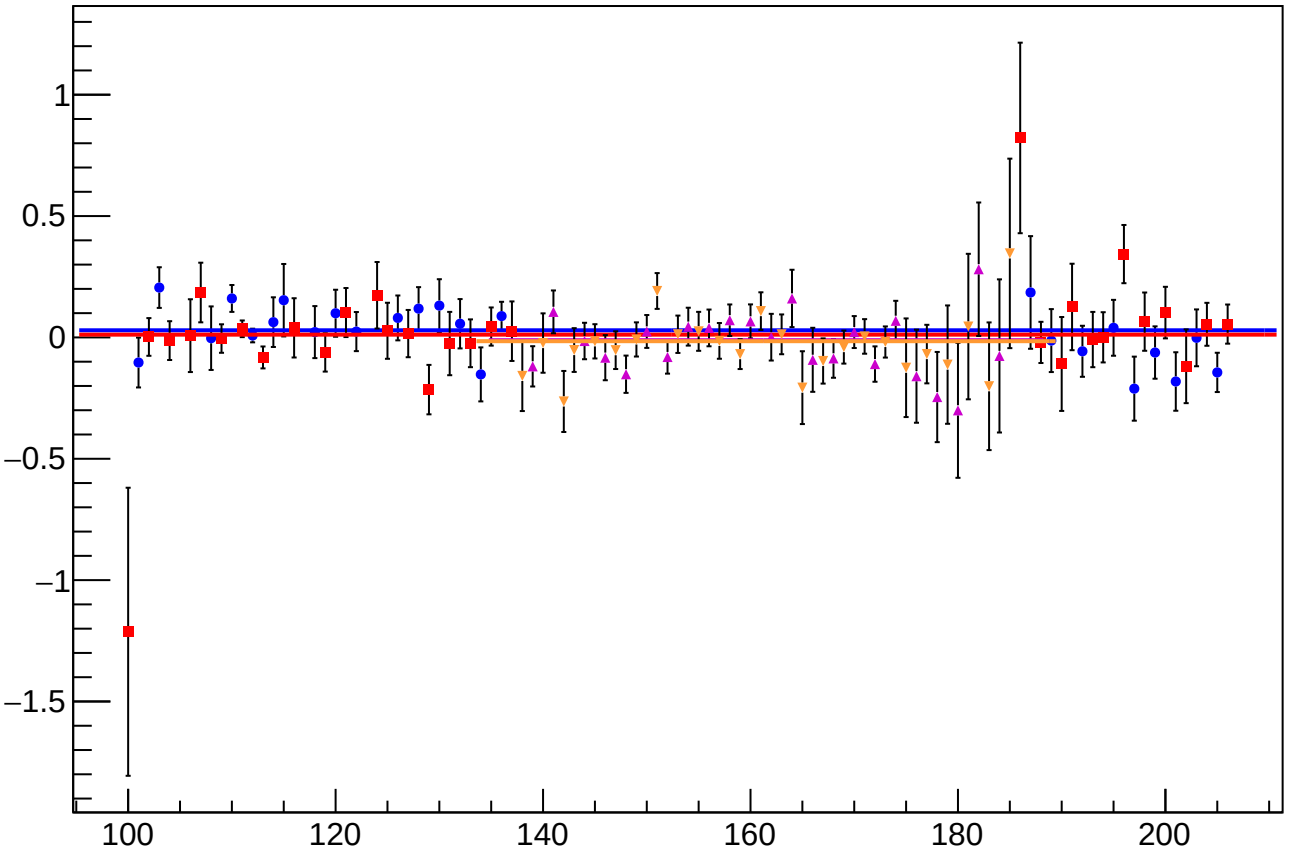
Right Out: 0.002+/-0.000 χ^2/NDF: 12059070.2/30

Left In: 0.003+/-0.000 χ^2/NDF:6504235.2/22

+ sign 0.002+/-0.000 χ^2/NDF: 16605115.9/49

All: 0.002+/-0.000 χ^2/NDF: 37039829.5/103

- sign 0.002+/-0.000 χ^2/NDF: 20416307.6/53



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

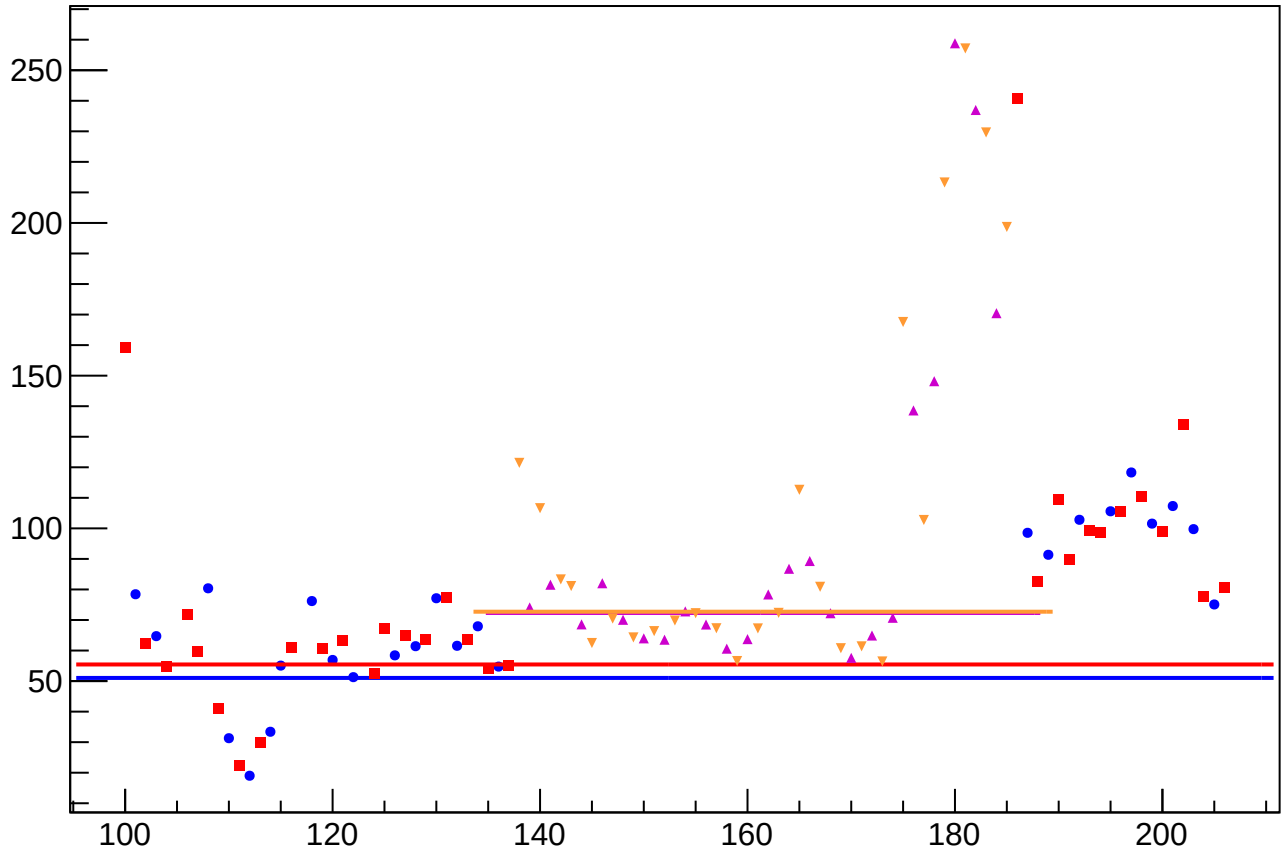
Right Out: 0.011+/-0.016 χ^2/NDF: 34.8/30

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.009+/-0.012 χ^2/NDF: 57.7/49

All: 0.006+/-0.008 χ^2/NDF: 117.0/103

- sign 0.002+/-0.012 χ^2/NDF: 59.1/53



Right In: 51.032+/-0.011 χ^2/NDF: 6677051.4/24

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

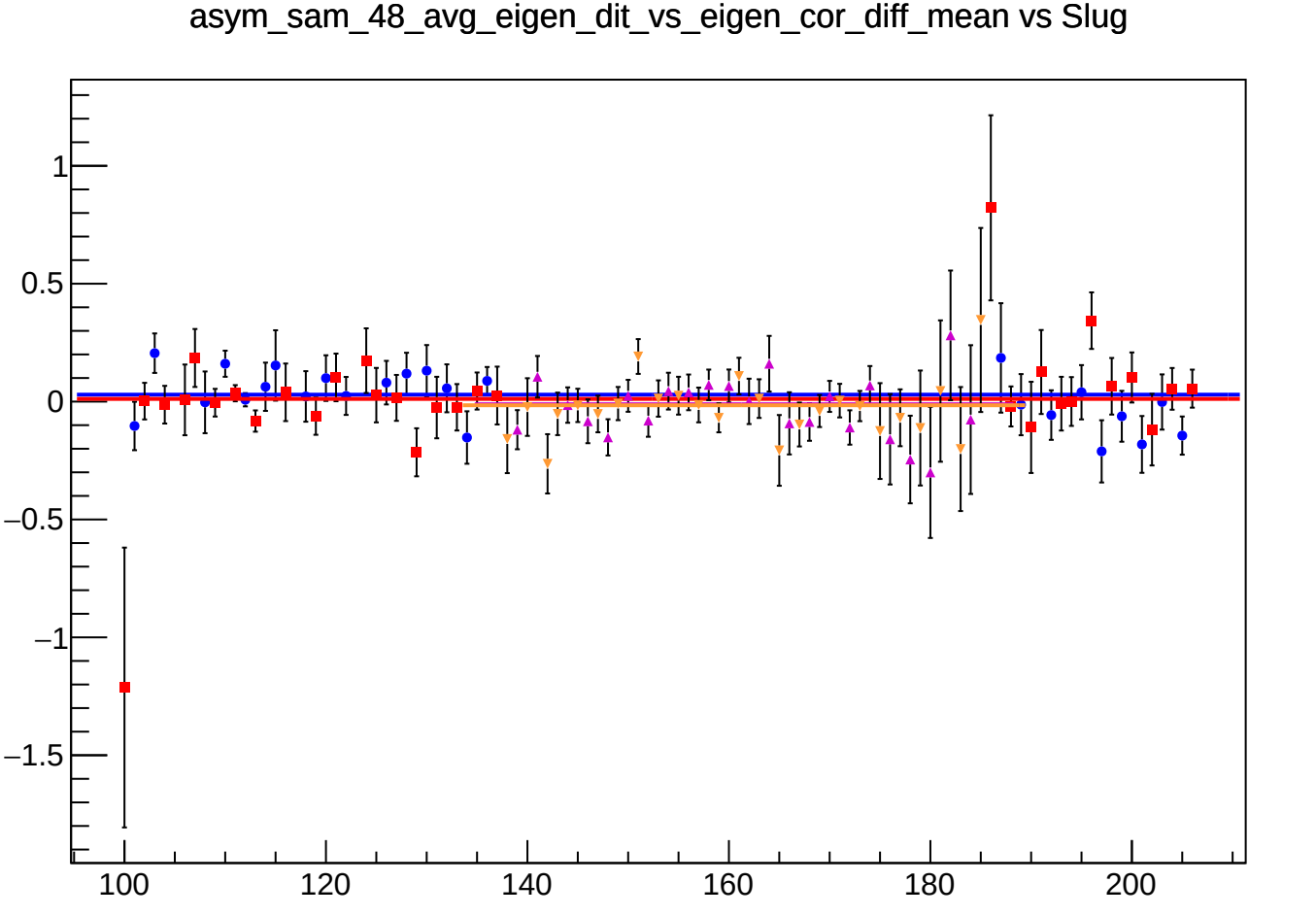
Right Out: 55.439+/-0.011 χ^2/NDF: 6376042.9/30

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 60.706+/-0.008 χ^2/NDF: 12252490.4/49

All: 61.673+/-0.006 χ^2/NDF: 22423065.8/103

- sign 62.627+/-0.008 χ^2/NDF: 10144793.0/53



Right In: 0.029+/-0.016 χ^2/NDF: 32.6/24

Left Out: -0.016+/-0.018 χ^2/NDF:21.6/24

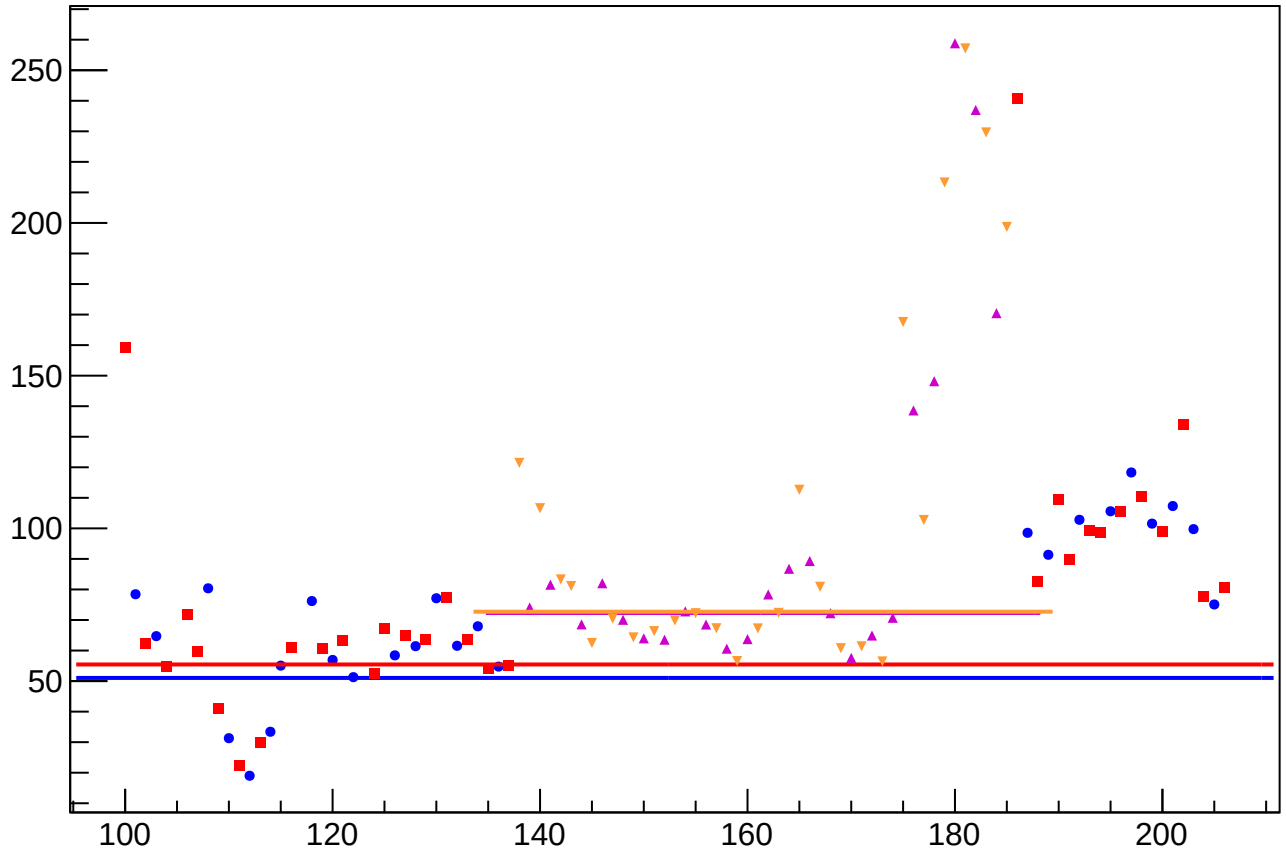
Right Out: 0.011+/-0.016 χ^2/NDF: 34.8/30

Left In: -0.011+/-0.018 χ^2/NDF:23.3/22

+ sign 0.009+/-0.012 χ^2/NDF: 57.7/49

All: 0.006+/-0.008 χ^2/NDF: 117.0/103

- sign 0.002+/-0.012 χ^2/NDF: 59.1/53



Right In: 51.032+/-0.011 χ^2/NDF: 6677051.4/24

Left Out: 72.716+/-0.013 χ^2/NDF:3961100.5/24

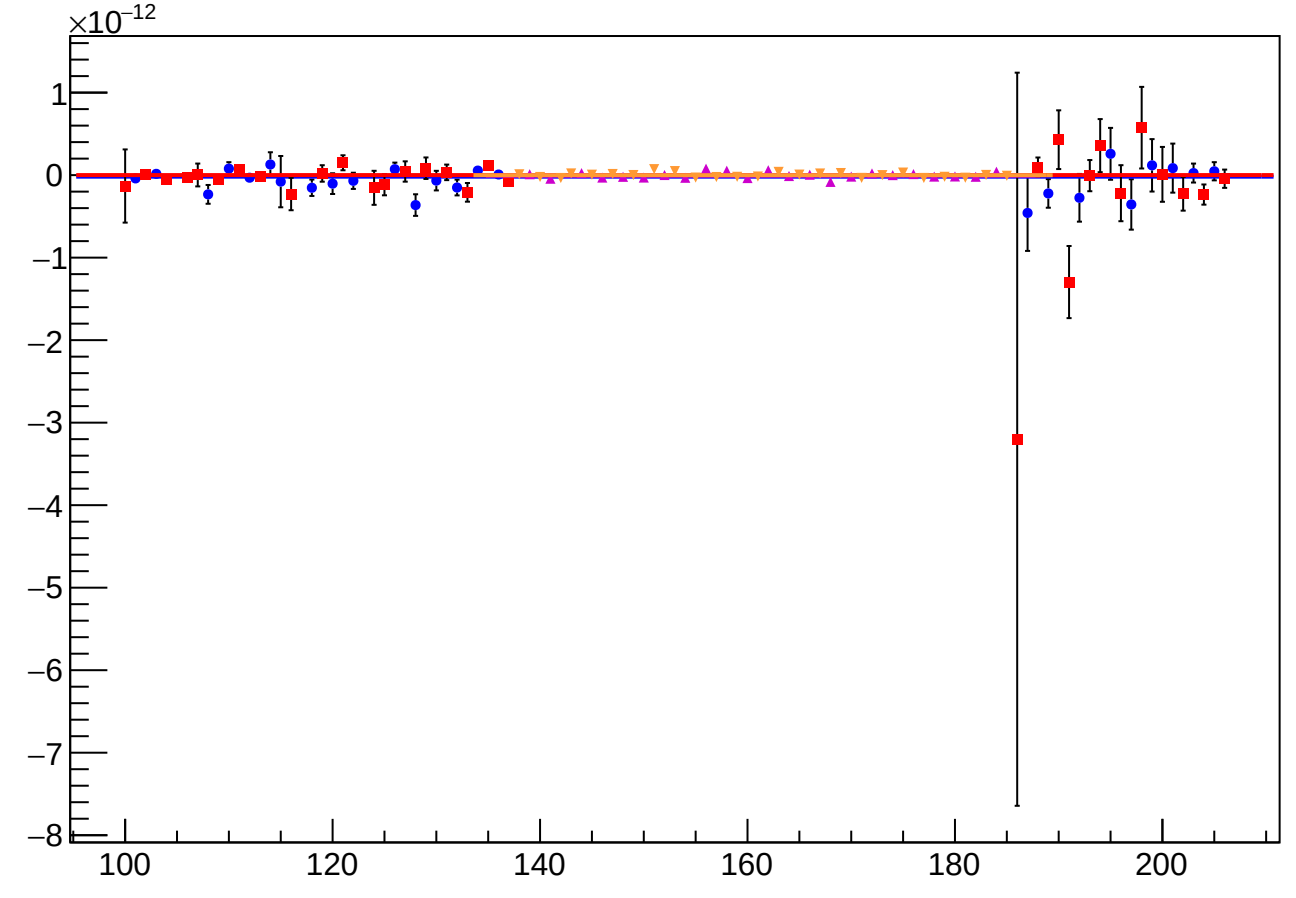
Right Out: 55.439+/-0.011 χ^2/NDF: 6376042.9/30

Left In: 72.298+/-0.013 χ^2/NDF:2790146.5/22

+ sign 60.706+/-0.008 χ^2/NDF: 12252490.4/49

All: 61.673+/-0.006 χ^2/NDF: 22423065.8/103

- sign 62.627+/-0.008 χ^2/NDF: 10144793.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 28.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:27.9/24

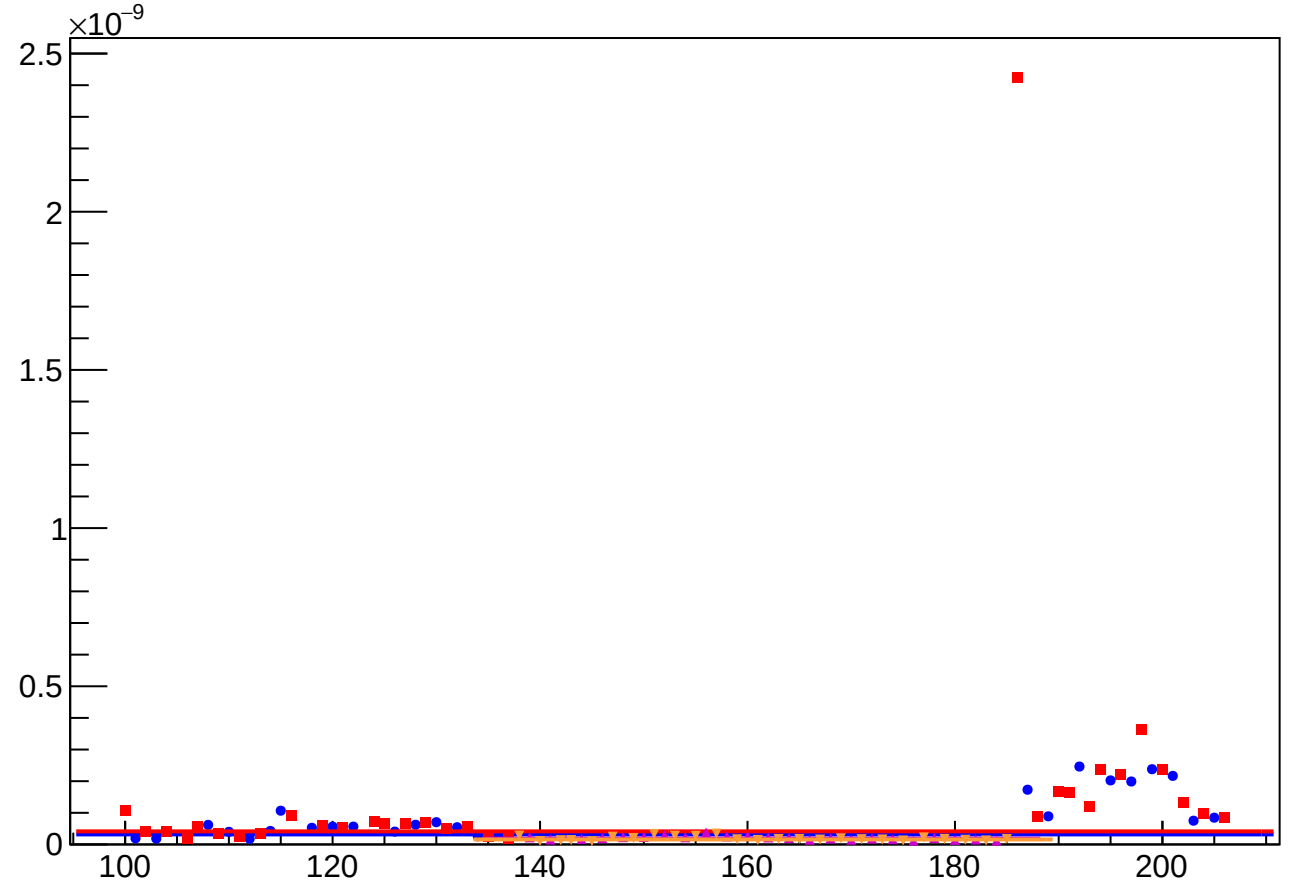
Right Out: 0.000+/-0.000 χ^2/NDF: 42.9/30

Left In: -0.000+/-0.000 χ^2/NDF:38.3/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.2/49

All: -0.000+/-0.000 χ^2/NDF: 139.8/103

- sign -0.000+/-0.000 χ^2/NDF: 81.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 7030814.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:2331257.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7603807.4/30

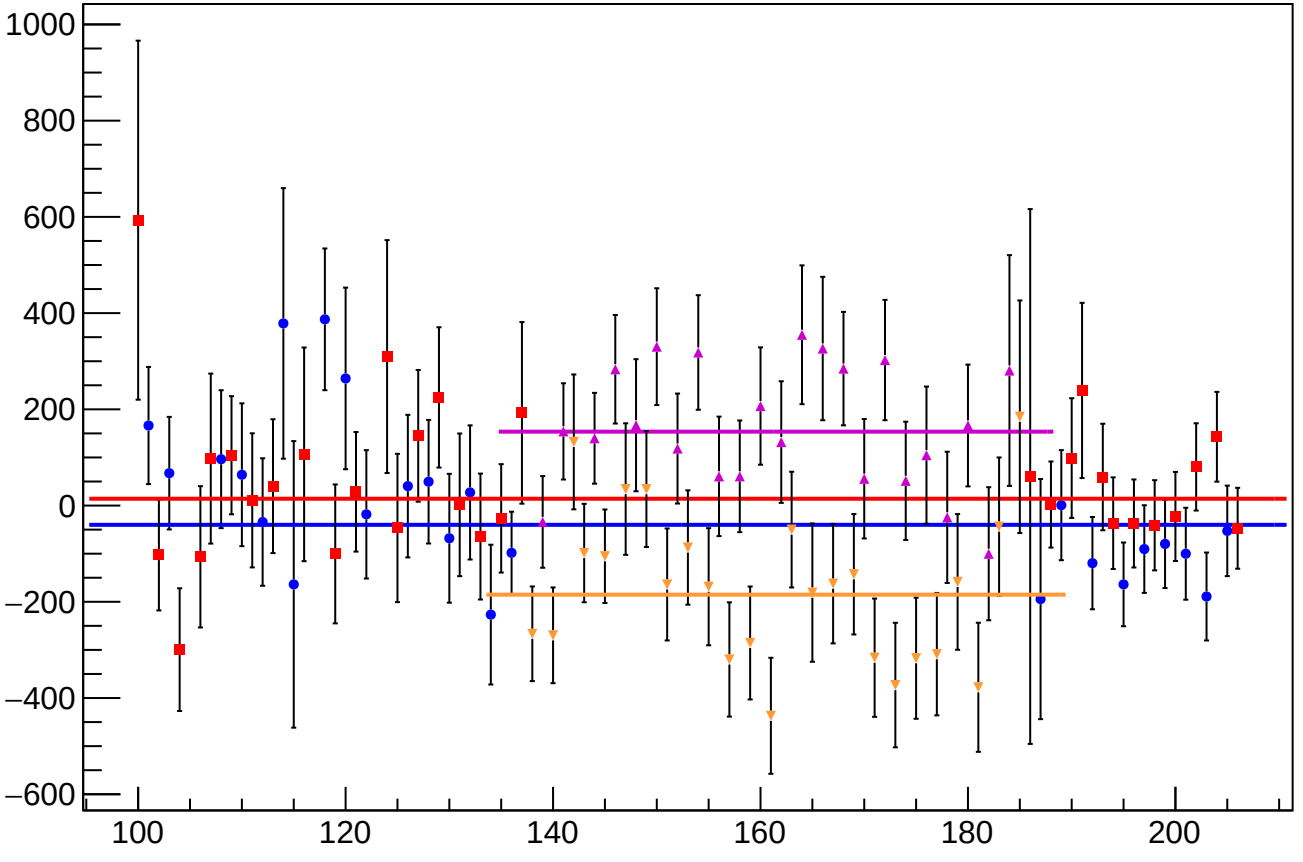
Left In: 0.000+/-0.000 χ^2/NDF:1621439.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 11680327.6/49

All: 0.000+/-0.000 χ^2/NDF: 25118110.1/103

- sign 0.000+/-0.000 χ^2/NDF: 13022672.3/53

reg_asym_sam_15_dd_mean vs Slug



Right In: -40.009+/-23.846 χ^2/NDF: 28.5/24

Left Out: -185.146+/-24.452 χ^2/NDF:33.1/24

Right Out: 14.201+/-22.151 χ^2/NDF: 24.1/30

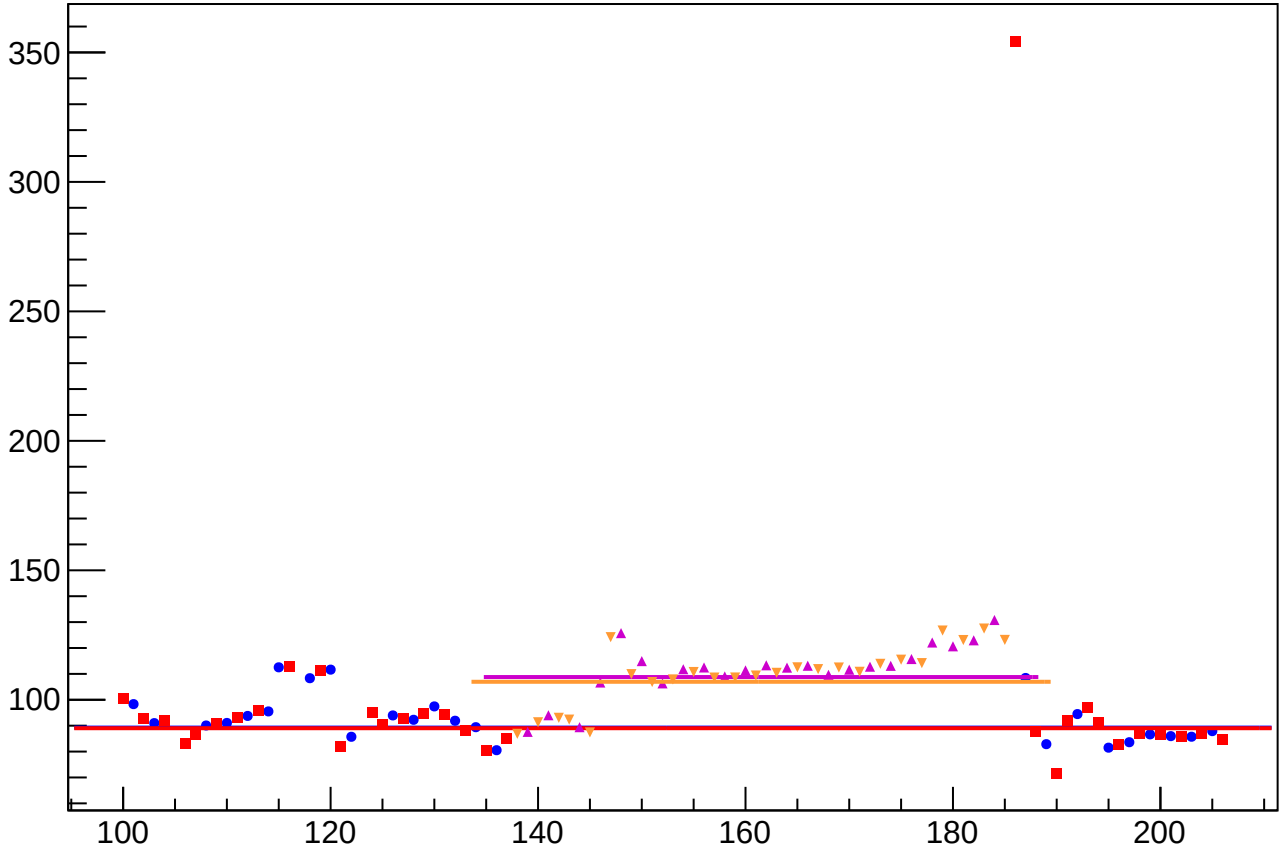
Left In: 153.627+/-25.538 χ^2/NDF:23.5/22

+ sign -110.757+/-17.072 χ^2/NDF: 79.6/49

All: -16.496+/-11.950 χ^2/NDF: 204.0/103

- sign 74.061+/-16.733 χ^2/NDF: 64.6/53

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.261+/-0.017 χ^2/NDF: 177632.9/24

Left Out: 106.954+/-0.017 χ^2/NDF:464271.3/24

Right Out: 89.020+/-0.016 χ^2/NDF: 643041.9/30

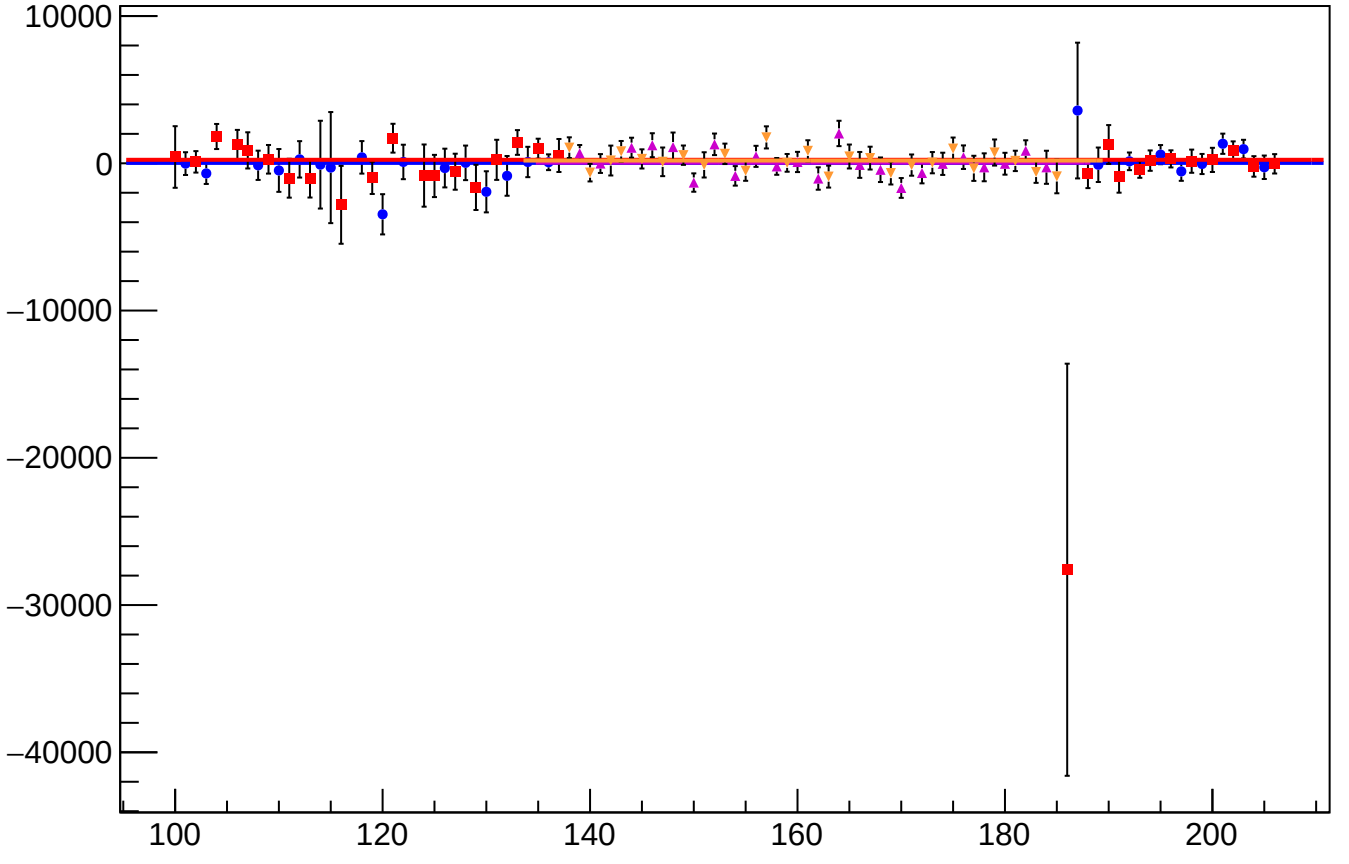
Left In: 108.781+/-0.018 χ^2/NDF:358436.3/22

+ sign 97.886+/-0.012 χ^2/NDF: 1178582.5/49

All: 97.691+/-0.008 χ^2/NDF: 2863912.9/103

- sign 97.504+/-0.012 χ^2/NDF: 1684820.2/53

asym_sam_15_dd_reg_correction_mean vs Slug



Right In: 27.404+/-178.176 χ^2/NDF: 18.4/24

Left Out: 186.456+/-148.819 χ^2/NDF:19.1/24

Right Out: 237.835+/-164.978 χ^2/NDF: 27.1/30

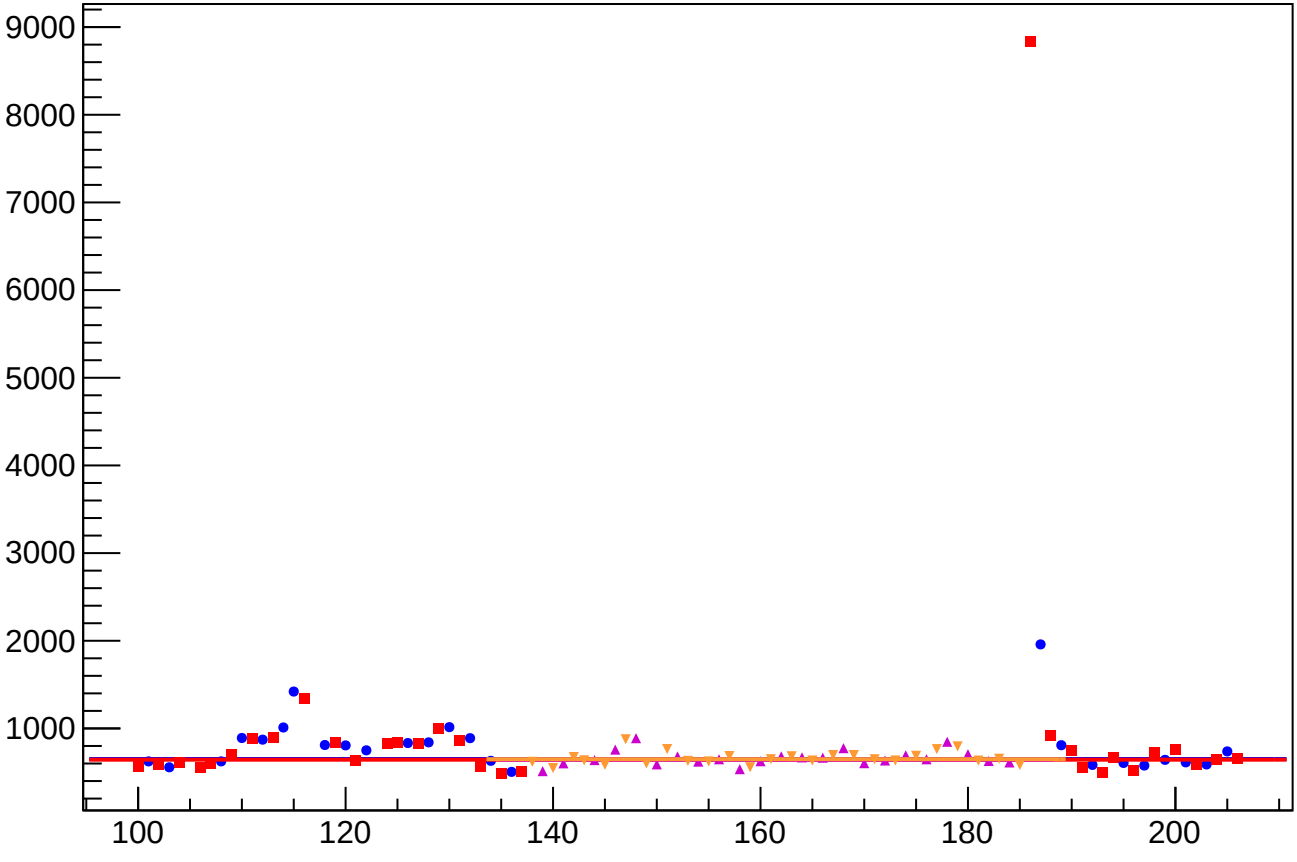
Left In: 43.249+/-152.059 χ^2/NDF:33.7/22

+ sign 121.095+/-114.219 χ^2/NDF: 37.9/49

All: 126.983+/-79.900 χ^2/NDF: 99.5/103

- sign 132.626+/-111.811 χ^2/NDF: 61.6/53

asym_sam_15_dd_reg_correction_rms vs Slug



Right In: 651.110+/-0.126 χ^2/NDF: 1099119.4/24

Left Out: 649.189+/-0.105 χ^2/NDF:418364.7/24

Right Out: 643.779+/-0.117 χ^2/NDF: 1966867.6/30

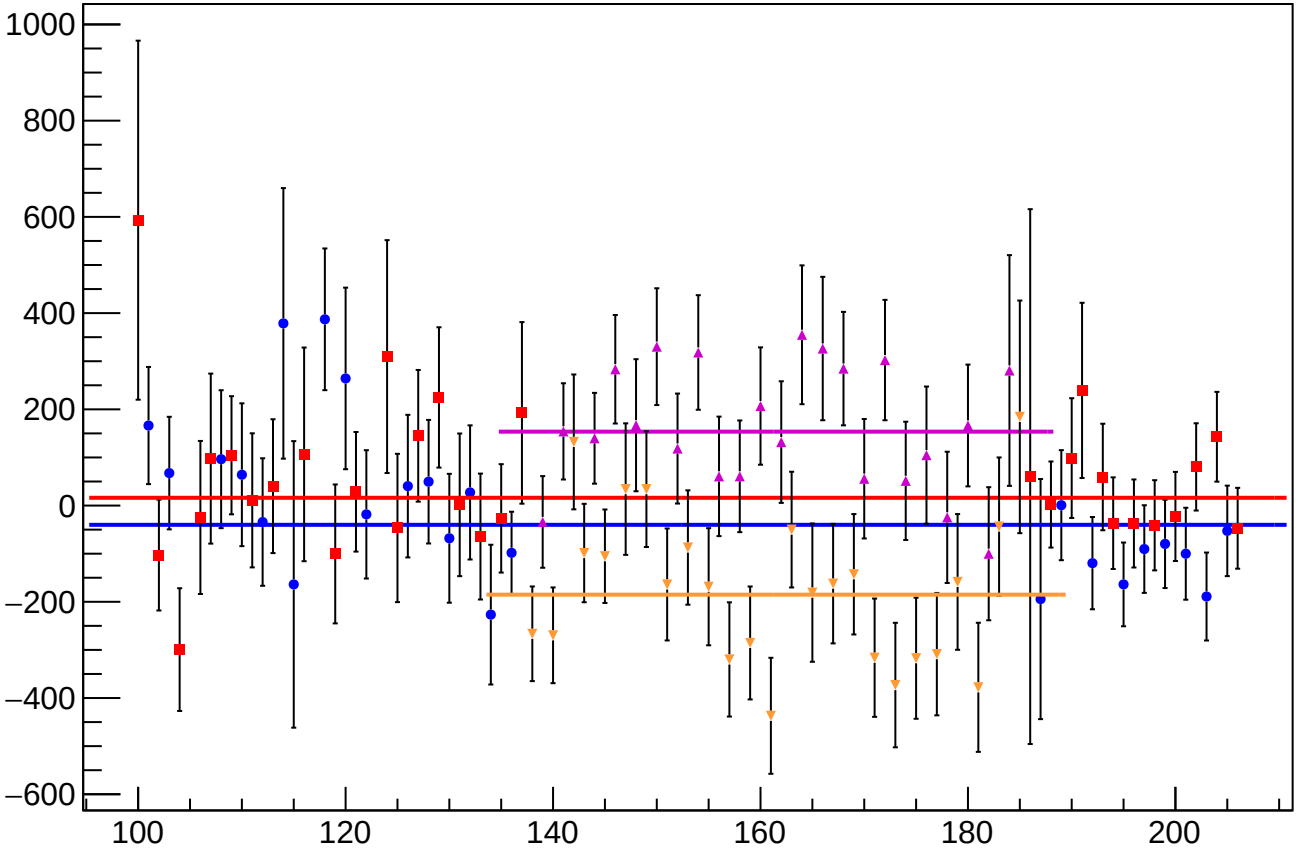
Left In: 644.072+/-0.108 χ^2/NDF:559119.9/22

+ sign 649.978+/-0.081 χ^2/NDF: 1517621.1/49

All: 646.894+/-0.056 χ^2/NDF: 4046468.7/103

- sign 643.938+/-0.079 χ^2/NDF: 2525990.9/53

cor_asym_sam_15_dd_mean vs Slug



Right In: -40.003+/-23.846 χ^2/NDF: 28.5/24

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 16.201+/-22.188 χ^2/NDF: 23.5/30

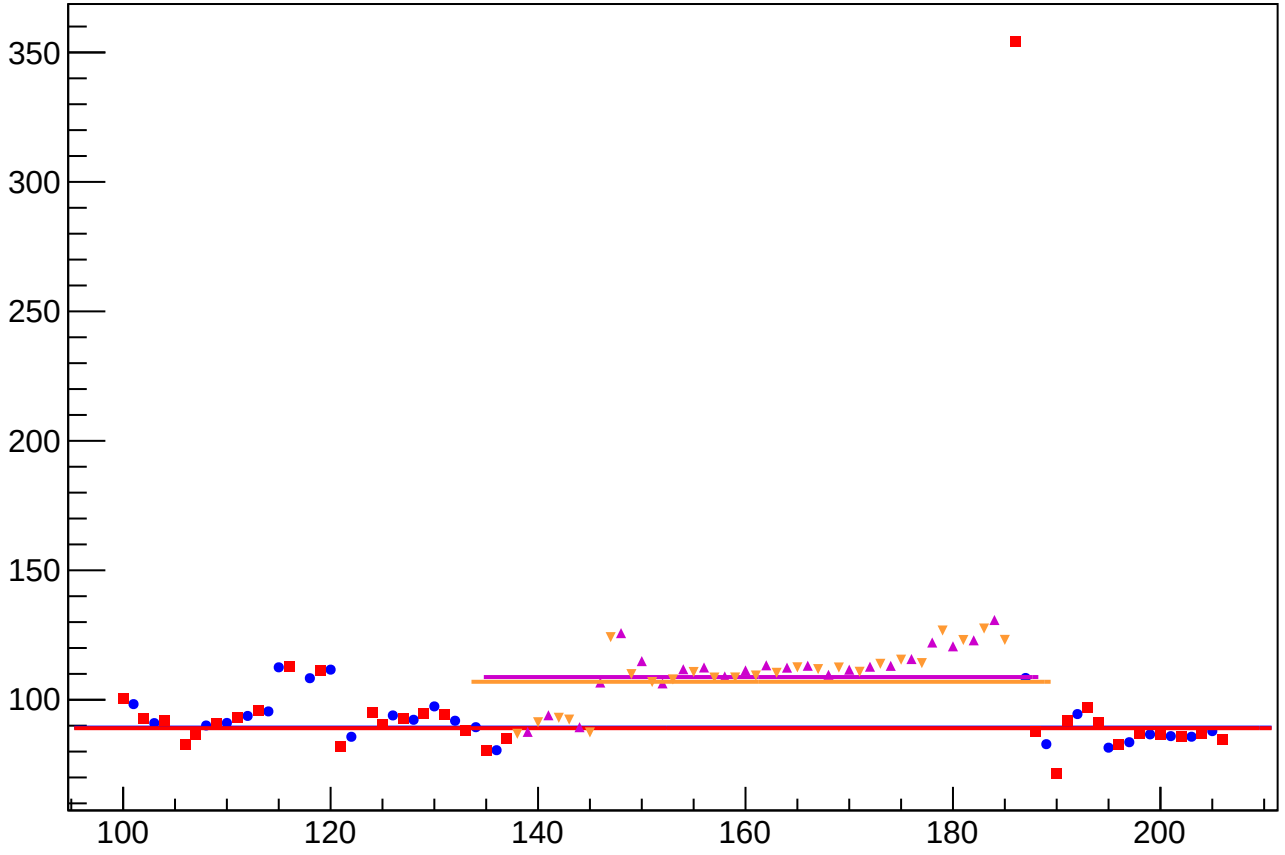
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -110.755+/-17.072 χ^2/NDF: 79.6/49

All: -15.943+/-11.956 χ^2/NDF: 203.6/103

- sign 75.318+/-16.749 χ^2/NDF: 63.5/53

cor_asym_sam_15_dd_rms vs Slug



Right In: 89.261+/-0.017 χ^2/NDF: 177632.9/24

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

Right Out: 89.029+/-0.016 χ^2/NDF: 643104.7/30

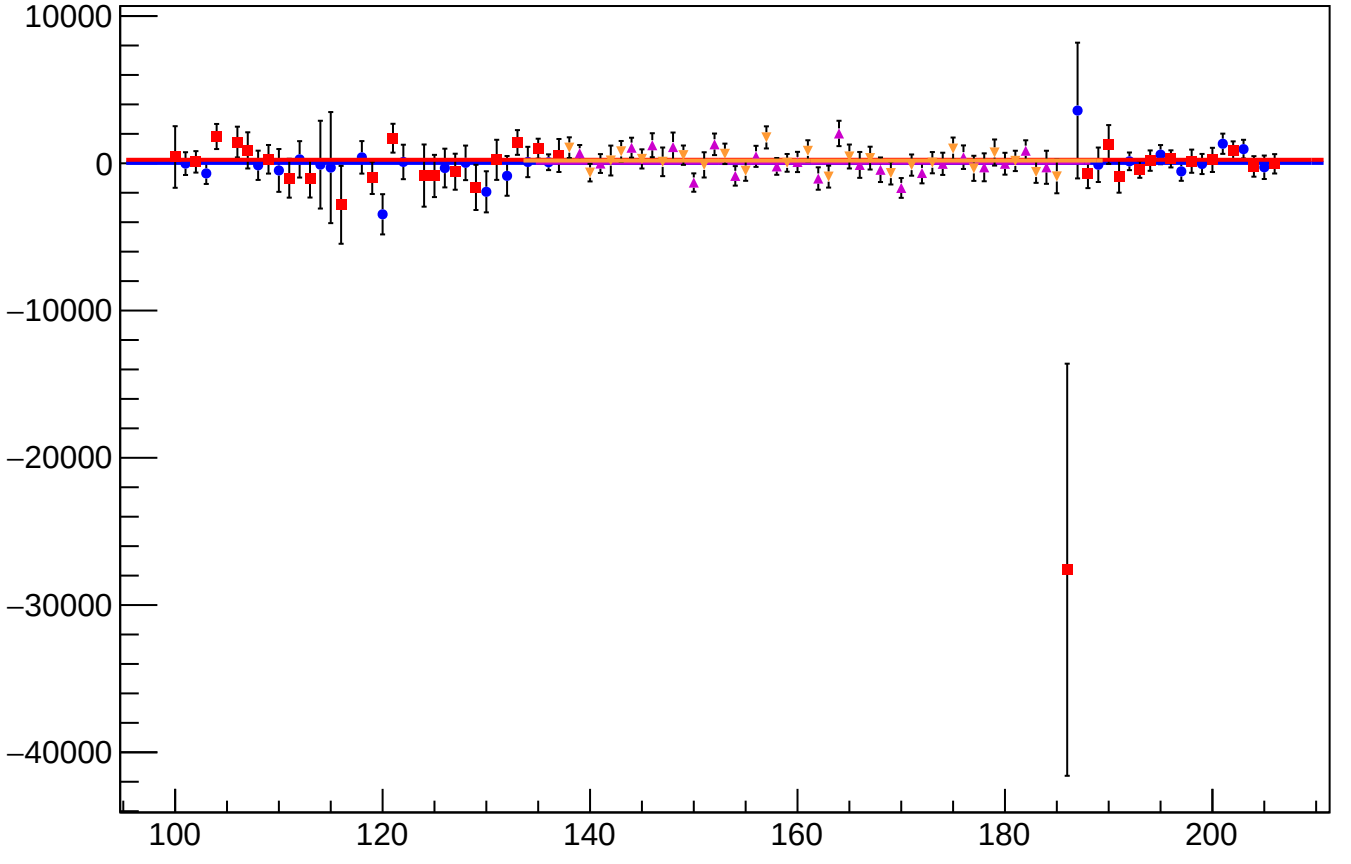
Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

\+ sign 97.886+/-0.012 χ^2/NDF: 1178582.5/49

All: 97.702+/-0.008 χ^2/NDF: 2862303.2/103

\- sign 97.525+/-0.012 χ^2/NDF: 1683266.8/53

asym_sam_15_dd_cor_correction_mean vs Slug



Right In: 27.405+/-178.176 χ^2/NDF: 18.4/24

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 238.846+/-165.219 χ^2/NDF: 27.3/30

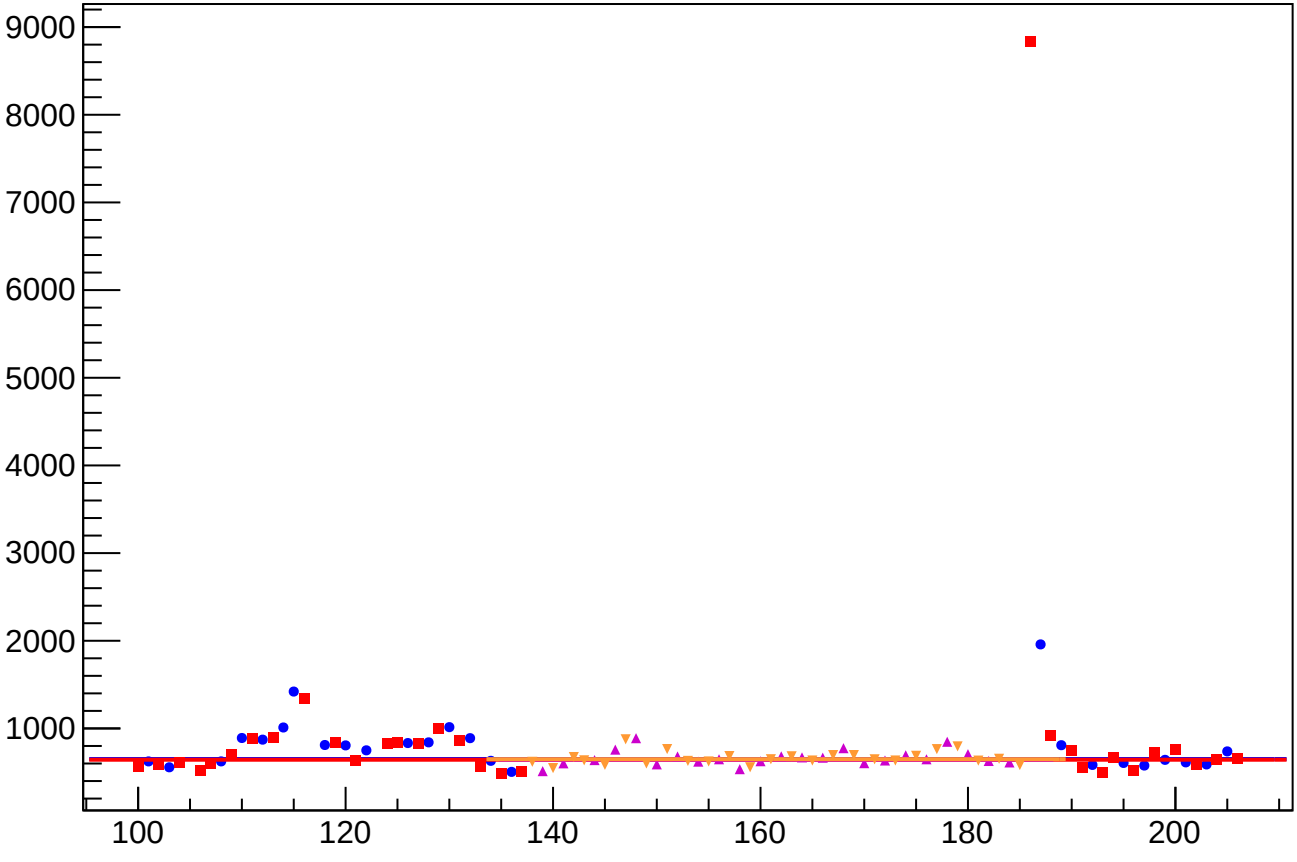
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 121.092+/-114.219 χ^2/NDF: 37.9/49

All: 127.143+/-79.927 χ^2/NDF: 99.8/103

- sign 132.950+/-111.885 χ^2/NDF: 61.8/53

asym_sam_15_dd_cor_correction_rms vs Slug



Right In: 651.110+/-0.126 χ^2/NDF: 1099120.0/24

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 643.352+/-0.117 χ^2/NDF: 1975987.4/30

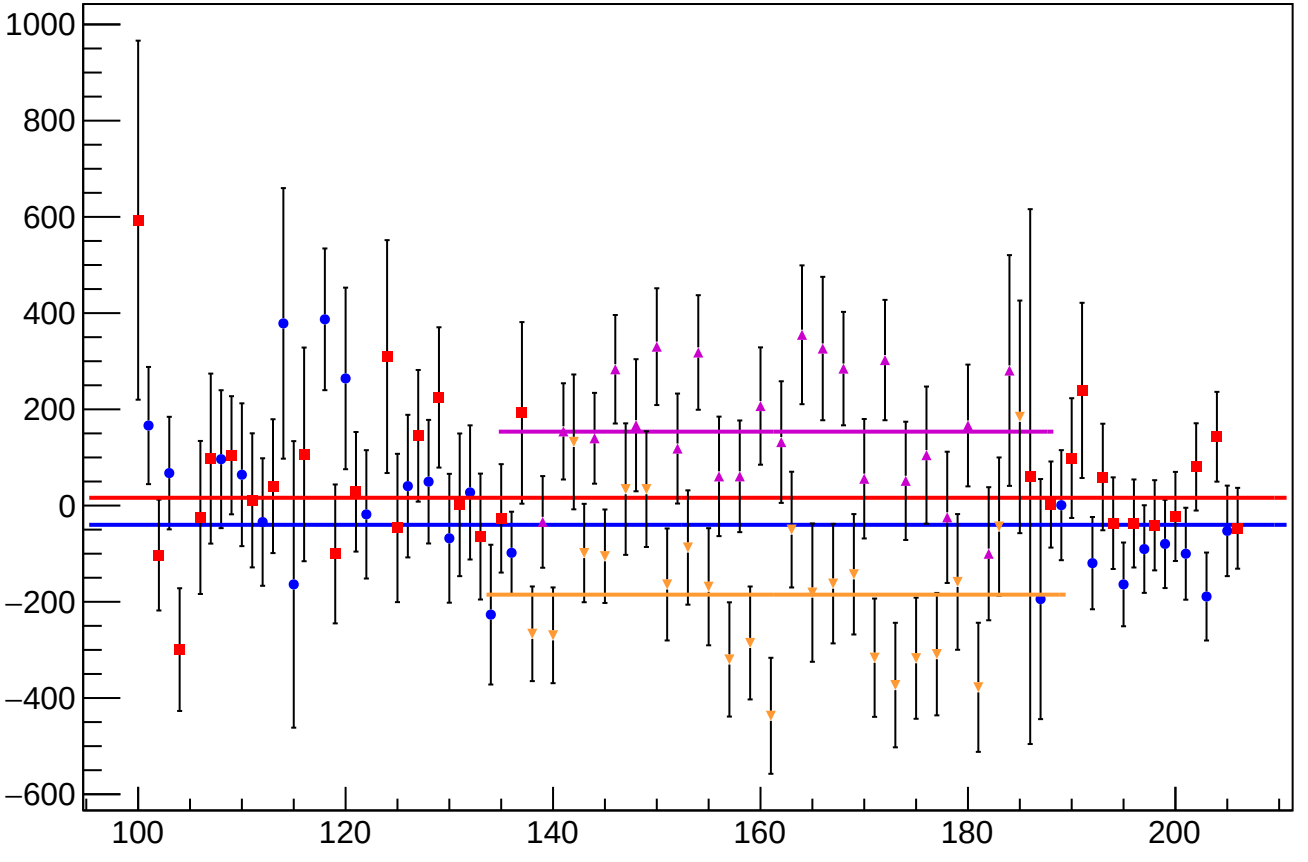
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 649.978+/-0.081 χ^2/NDF: 1517622.3/49

All: 646.796+/-0.057 χ^2/NDF: 4055794.0/103

- sign 643.742+/-0.079 χ^2/NDF: 2535129.0/53

eigen_cor_asym_sam_15_dd_mean vs Slug



Right In: -40.003+/-23.846 χ^2/NDF: 28.5/24

Left Out: -185.148+/-24.452 χ^2/NDF:33.0/24

Right Out: 16.201+/-22.188 χ^2/NDF: 23.5/30

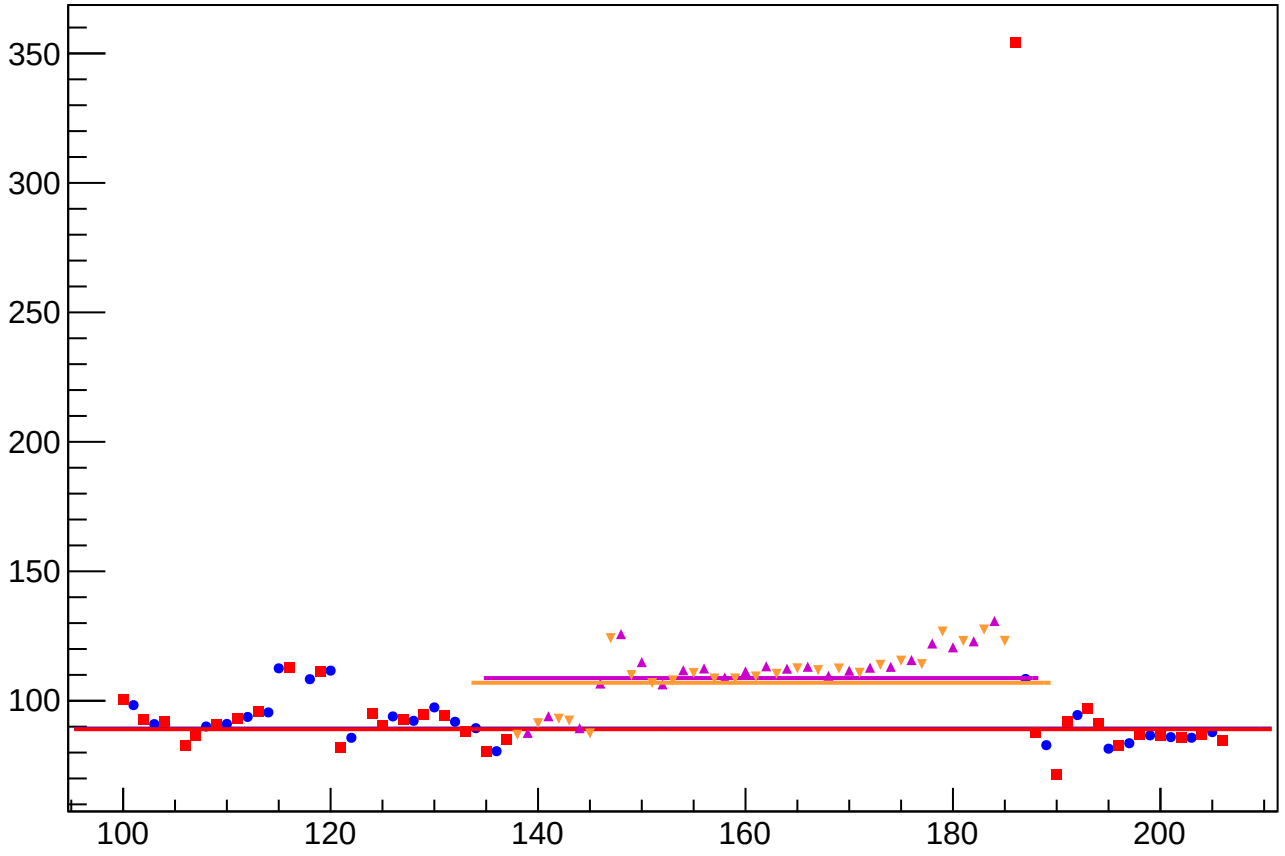
Left In: 153.632+/-25.538 χ^2/NDF:23.5/22

+ sign -110.755+/-17.072 χ^2/NDF: 79.6/49

All: -15.943+/-11.956 χ^2/NDF: 203.6/103

- sign 75.318+/-16.749 χ^2/NDF: 63.5/53

eigen_cor_asym_sam_15_dd_rms vs Slug



Right In: 89.261+/-0.017 χ^2/NDF: 177632.9/24

Left Out: 106.954+/-0.017 χ^2/NDF:464271.4/24

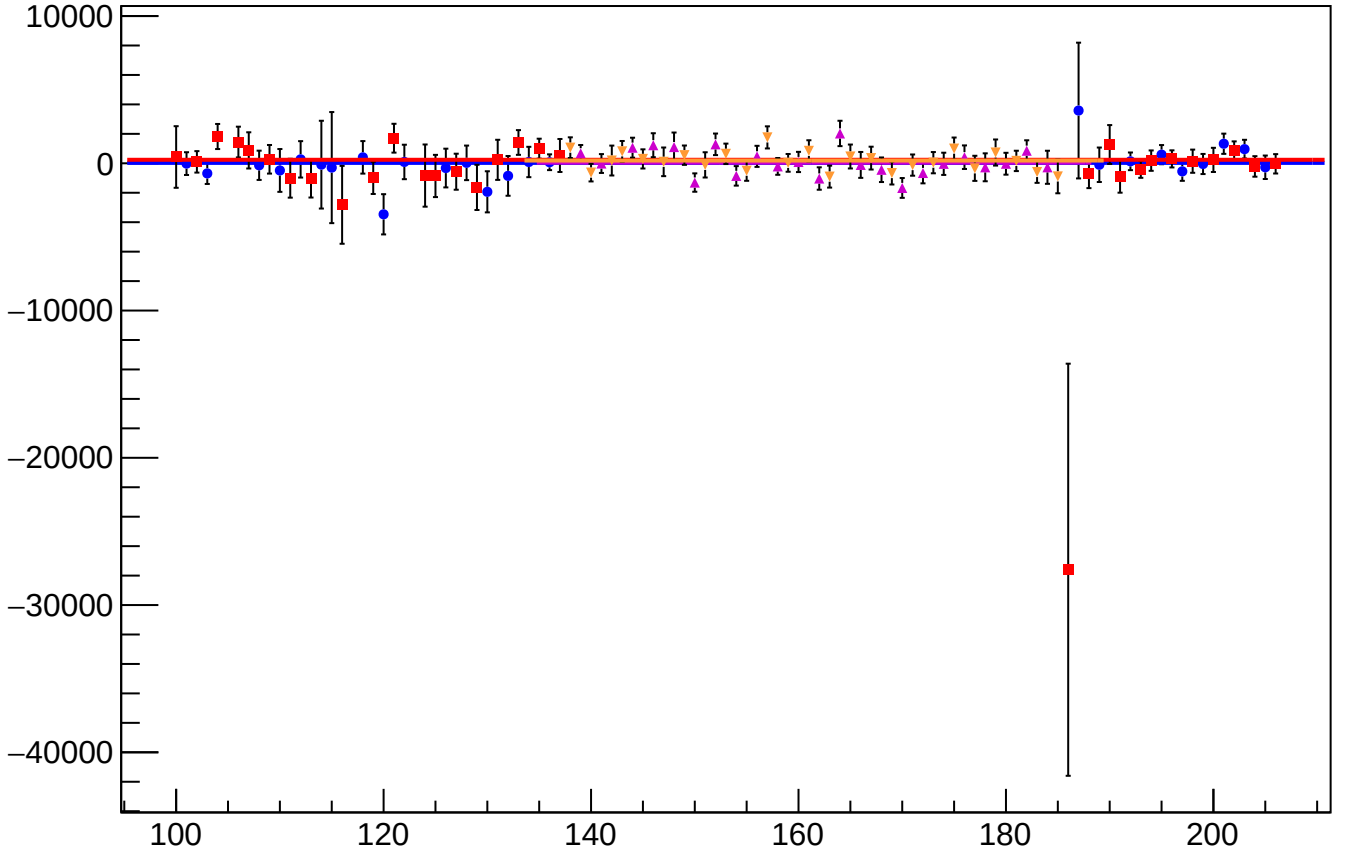
Right Out: 89.029+/-0.016 χ^2/NDF: 643104.7/30

Left In: 108.781+/-0.018 χ^2/NDF:358436.4/22

+ sign 97.886+/-0.012 χ^2/NDF: 1178582.5/49

All: 97.702+/-0.008 χ^2/NDF: 2862303.2/103

- sign 97.525+/-0.012 χ^2/NDF: 1683266.8/53



Right In: 27.405+/-178.176 χ^2/NDF: 18.4/24

Left Out: 186.450+/-148.819 χ^2/NDF:19.1/24

Right Out: 238.846+/-165.219 χ^2/NDF: 27.3/30

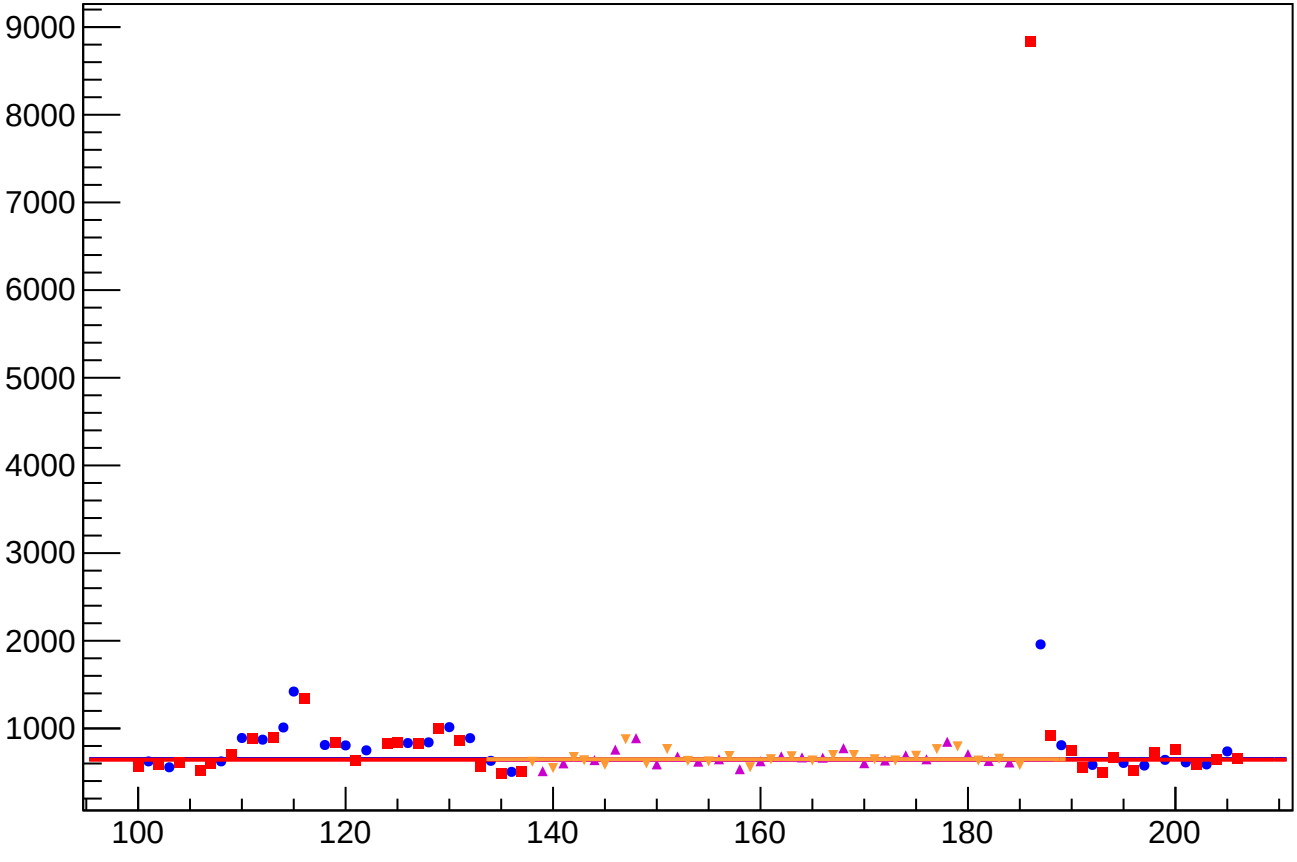
Left In: 43.251+/-152.059 χ^2/NDF:33.7/22

+ sign 121.092+/-114.219 χ^2/NDF: 37.9/49

All: 127.143+/-79.927 χ^2/NDF: 99.8/103

- sign 132.950+/-111.885 χ^2/NDF: 61.8/53

asym_sam_15_dd_eigen_cor_correction_rms vs Slug



Right In: 651.110+/-0.126 χ^2/NDF: 1099120.0/24

Left Out: 649.189+/-0.105 χ^2/NDF:418365.4/24

Right Out: 643.352+/-0.117 χ^2/NDF: 1975987.4/30

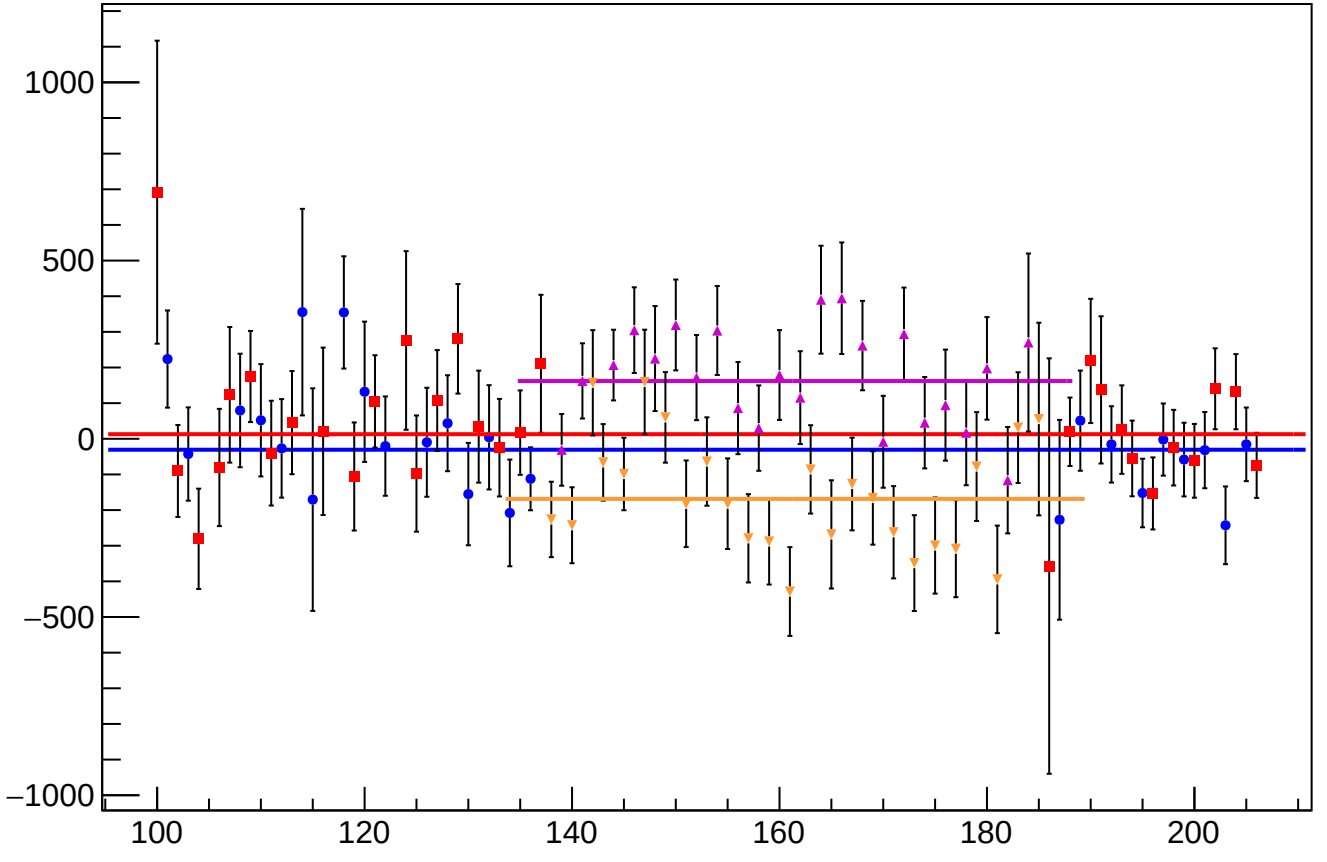
Left In: 644.072+/-0.108 χ^2/NDF:559121.0/22

+ sign 649.978+/-0.081 χ^2/NDF: 1517622.3/49

All: 646.796+/-0.057 χ^2/NDF: 4055794.0/103

- sign 643.742+/-0.079 χ^2/NDF: 2535129.0/53

dit_asym_sam_15_dd_mean vs Slug



Right In: -30.685+/-26.125 χ^2/NDF: 22.7/24

Left Out: -168.634+/-25.819 χ^2/NDF:32.4/24

Right Out: 12.892+/-24.369 χ^2/NDF: 26.7/30

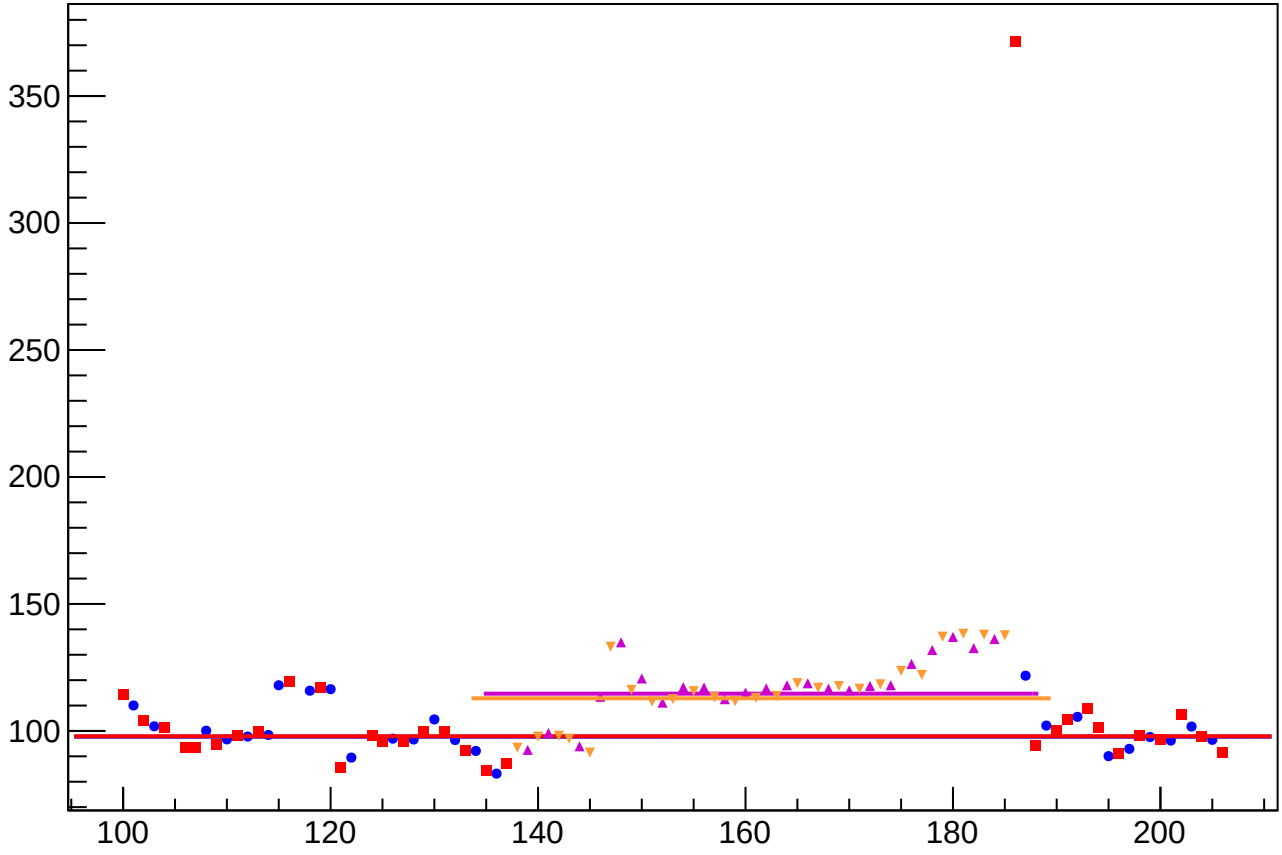
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -100.472+/-18.364 χ^2/NDF: 69.2/49

All: -8.809+/-12.882 χ^2/NDF: 185.3/103

- sign 79.986+/-18.075 χ^2/NDF: 67.1/53

dit_asym_sam_15_dd_rms vs Slug



Right In: 97.737+/-0.018 χ^2/NDF: 188500.1/24

Left Out: 112.850+/-0.018 χ^2/NDF:512260.6/24

Right Out: 97.897+/-0.017 χ^2/NDF: 609583.3/30

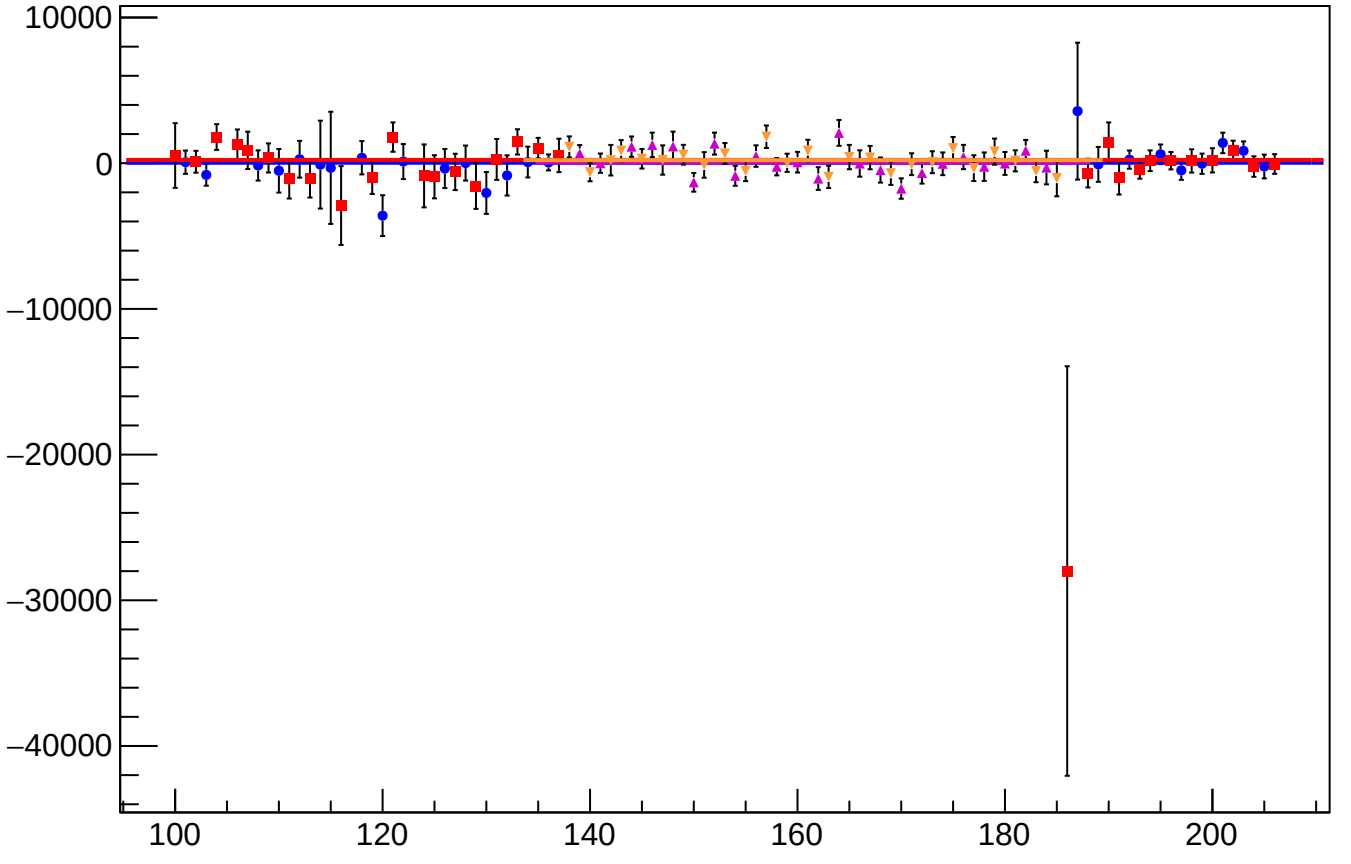
Left In: 114.677+/-0.019 χ^2/NDF:409932.2/22

+ sign 105.382+/-0.013 χ^2/NDF: 1039329.8/49

All: 105.415+/-0.009 χ^2/NDF: 2485482.6/103

- sign 105.446+/-0.013 χ^2/NDF: 1446140.6/53

asym_sam_15_dd_dit_correction_mean vs Slug



Right In: 31.839+/-183.204 χ^2/NDF: 18.4/24

Left Out: 209.377+/-153.925 χ^2/NDF:18.9/24

Right Out: 226.370+/-170.203 χ^2/NDF: 27.0/30

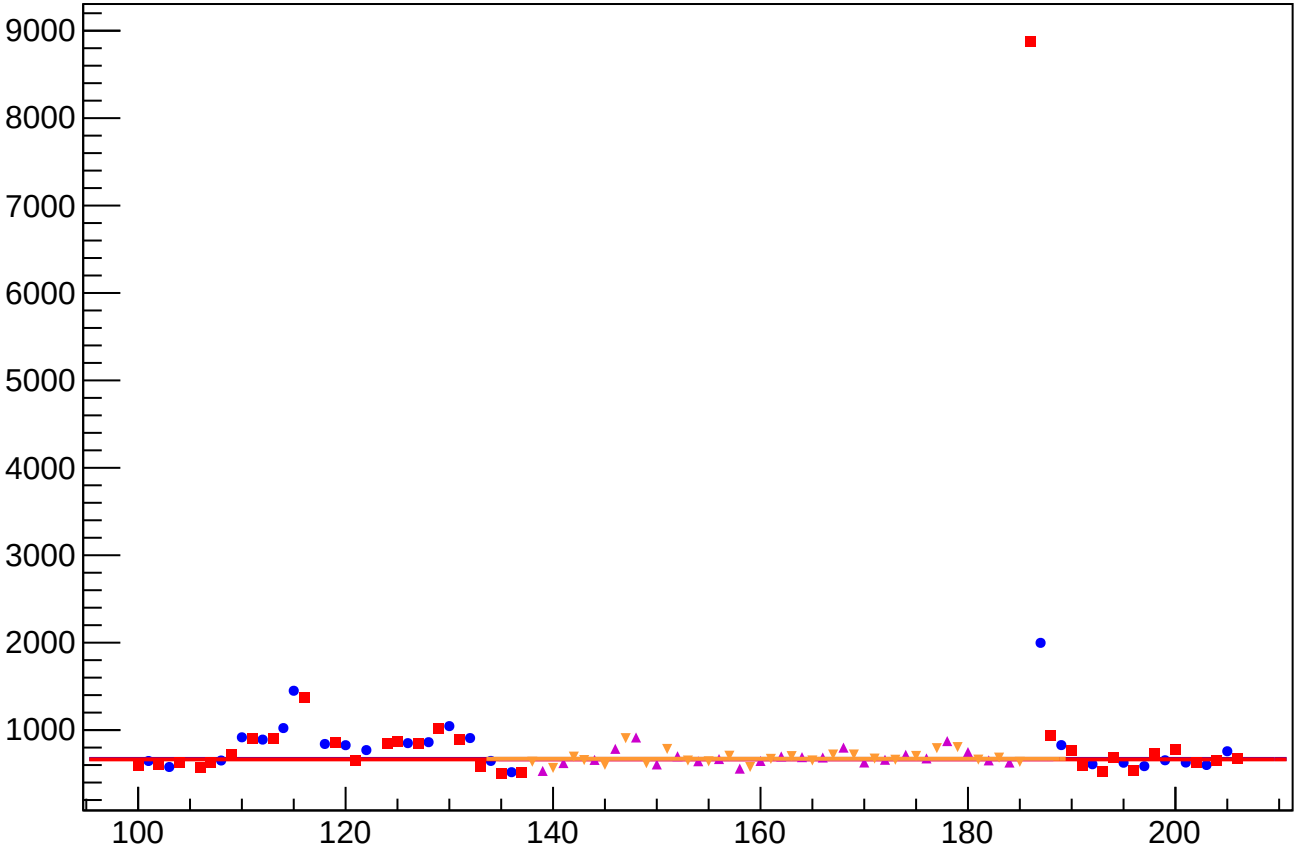
Left In: 50.266+/-157.485 χ^2/NDF:33.3/22

+ sign 135.911+/-117.851 χ^2/NDF: 37.8/49

All: 133.660+/-82.523 χ^2/NDF: 98.7/103

- sign 131.494+/-115.594 χ^2/NDF: 60.9/53

asym_sam_15_dd_dit_correction_rms vs Slug



Right In: 669.876+/-0.130 χ^2/NDF: 1086225.7/24

Left Out: 671.849+/-0.109 χ^2/NDF:399159.9/24

Right Out: 665.262+/-0.120 χ^2/NDF: 1888700.5/30

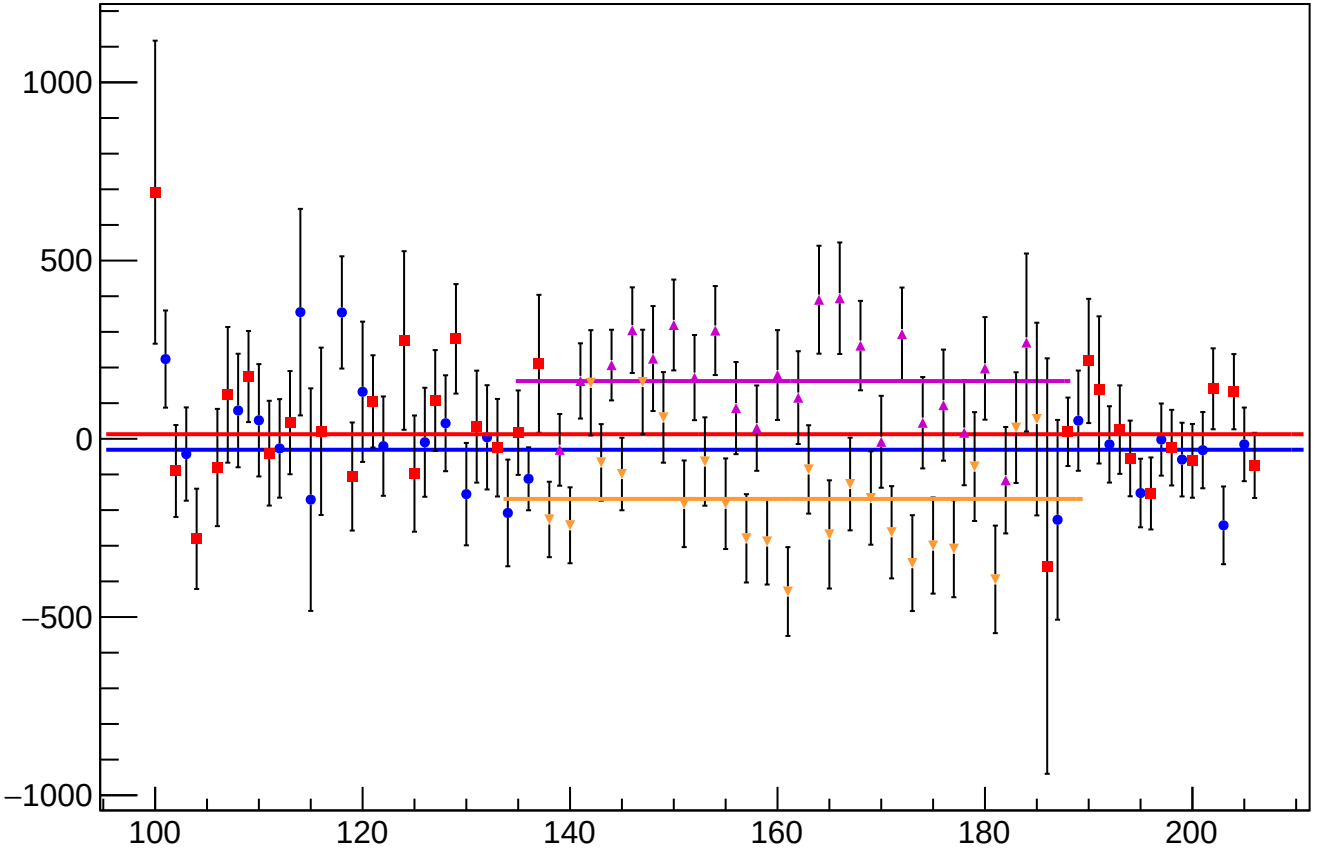
Left In: 667.341+/-0.111 χ^2/NDF:546903.6/22

+ sign 671.032+/-0.083 χ^2/NDF: 1485521.5/49

All: 668.662+/-0.058 χ^2/NDF: 3922873.5/103

- sign 666.382+/-0.082 χ^2/NDF: 2435765.0/53

eigen_dit_asym_sam_15_dd_mean vs Slug



Right In: -30.685+/-26.125 χ^2/NDF: 22.7/24

Left Out: -168.635+/-25.819 χ^2/NDF:32.4/24

Right Out: 12.892+/-24.369 χ^2/NDF: 26.7/30

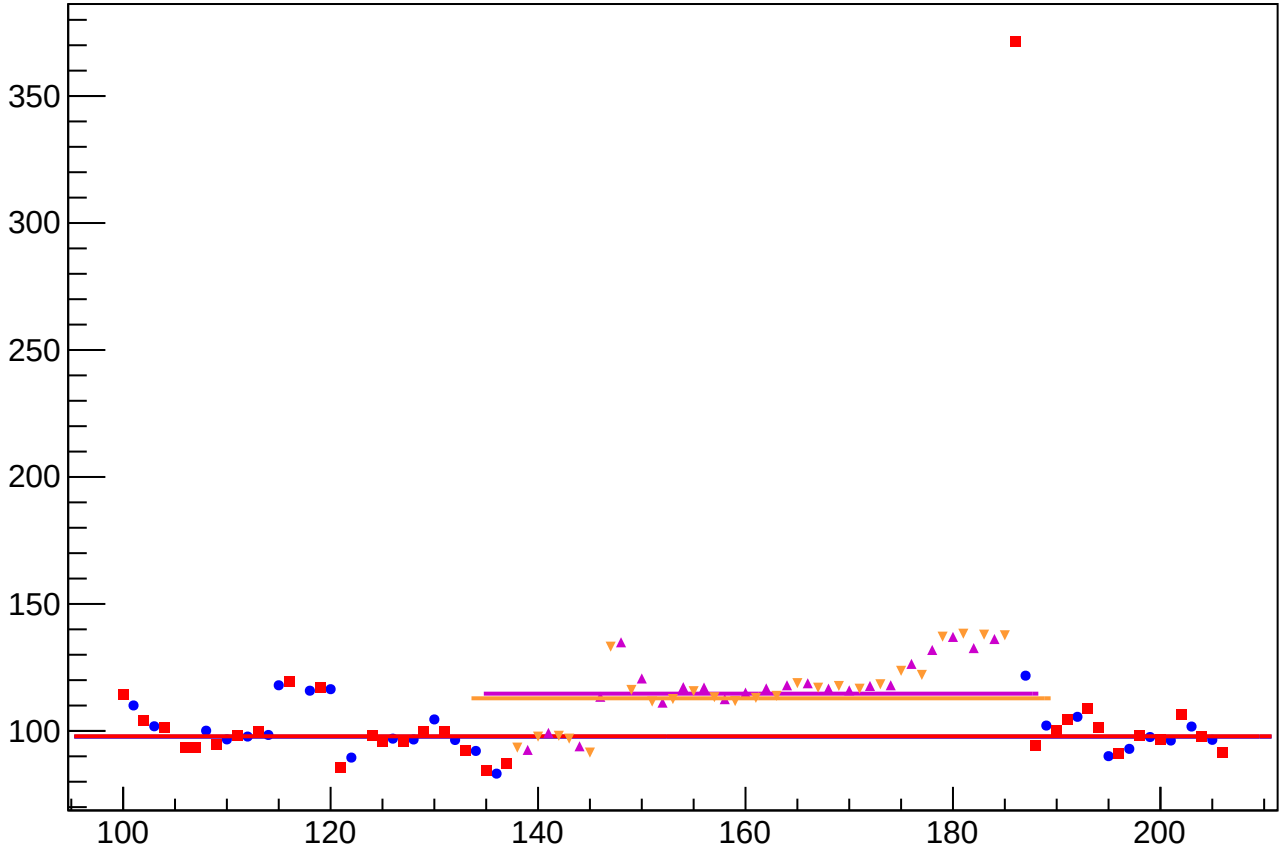
Left In: 162.028+/-26.948 χ^2/NDF:23.6/22

+ sign -100.472+/-18.364 χ^2/NDF: 69.2/49

All: -8.809+/-12.882 χ^2/NDF: 185.3/103

- sign 79.986+/-18.075 χ^2/NDF: 67.1/53

eigen_dit_asym_sam_15_dd_rms vs Slug



Right In: 97.737+/-0.018 χ^2/NDF: 188503.6/24

Left Out: 112.850+/-0.018 χ^2/NDF:512254.2/24

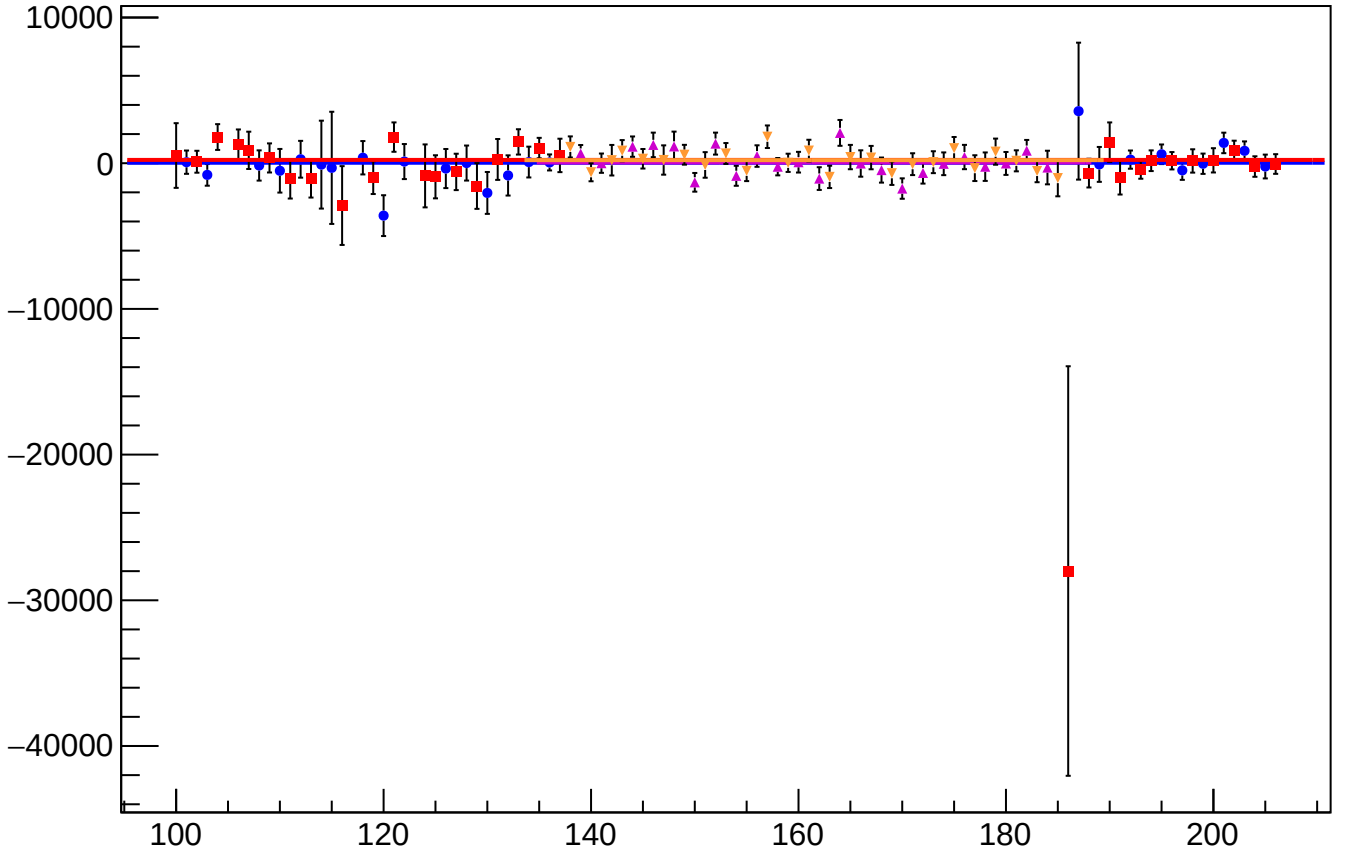
Right Out: 97.897+/-0.017 χ^2/NDF: 609584.4/30

Left In: 114.677+/-0.019 χ^2/NDF:409929.2/22

+ sign 105.382+/-0.013 χ^2/NDF: 1039334.7/49

All: 105.415+/-0.009 χ^2/NDF: 2485497.0/103

- sign 105.446+/-0.013 χ^2/NDF: 1446150.1/53



Right In: 31.839+/-183.203 χ^2/NDF: 18.4/24

Left Out: 209.377+/-153.926 χ^2/NDF:18.9/24

Right Out: 226.370+/-170.203 χ^2/NDF: 27.0/30

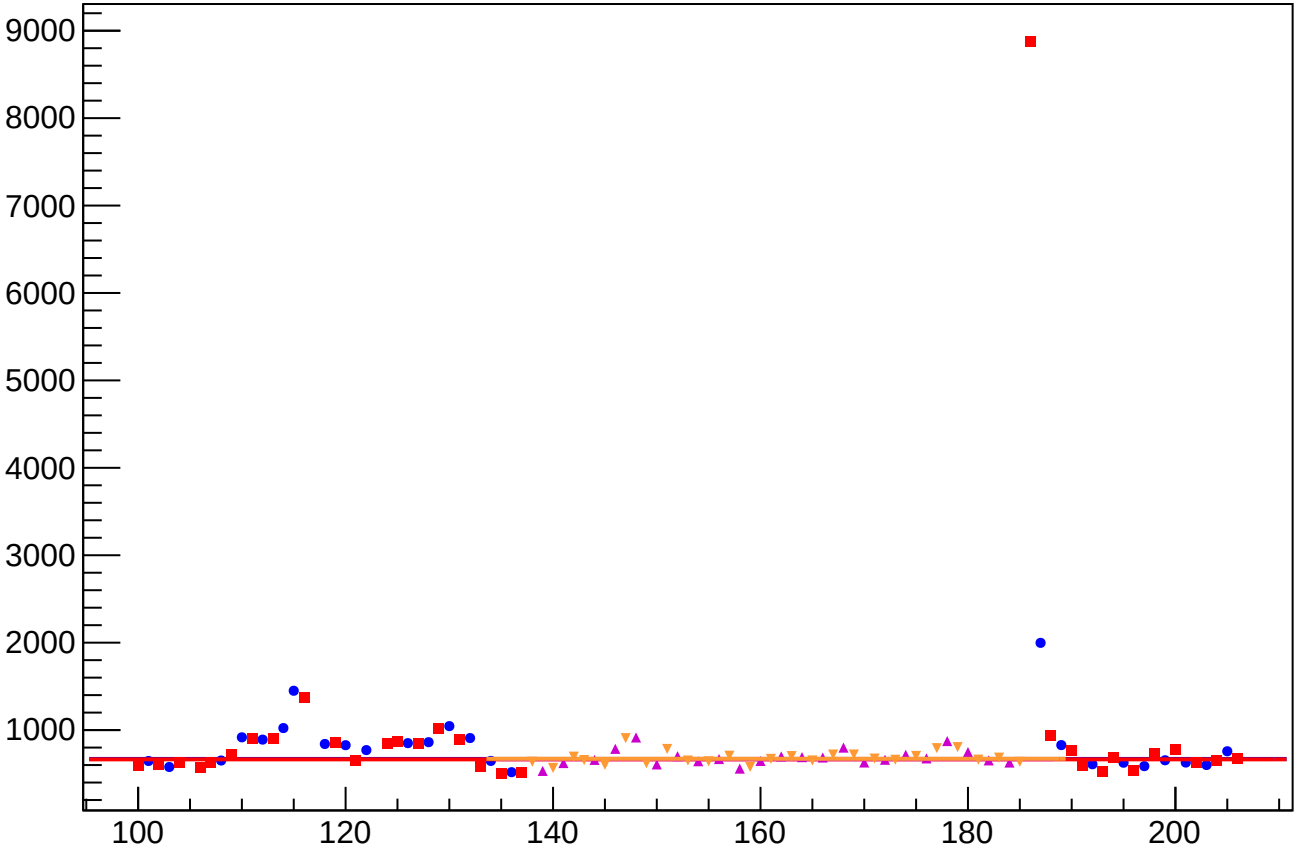
Left In: 50.267+/-157.485 χ^2/NDF:33.3/22

+ sign 135.911+/-117.851 χ^2/NDF: 37.8/49

All: 133.660+/-82.523 χ^2/NDF: 98.7/103

- sign 131.494+/-115.594 χ^2/NDF: 60.9/53

asym_sam_15_dd_eigen_dit_correction_rms vs Slug



Right In: 669.876+/-0.130 χ^2/NDF: 1086225.8/24

Left Out: 671.849+/-0.109 χ^2/NDF:399160.3/24

Right Out: 665.261+/-0.120 χ^2/NDF: 1888705.1/30

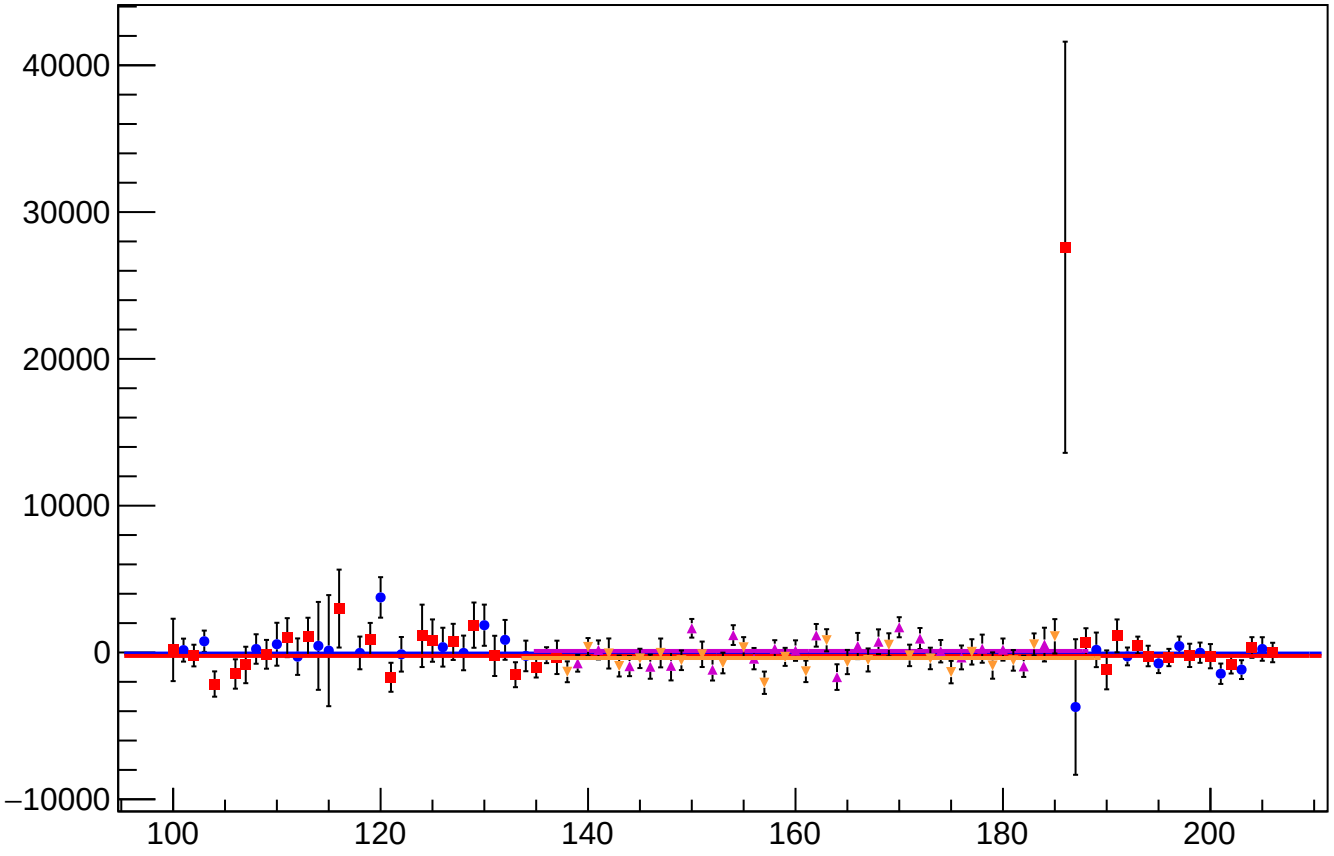
Left In: 667.342+/-0.111 χ^2/NDF:546905.8/22

+ sign 671.032+/-0.083 χ^2/NDF: 1485522.1/49

All: 668.662+/-0.058 χ^2/NDF: 3922881.0/103

- sign 666.382+/-0.082 χ^2/NDF: 2435771.9/53

asym_sam_15_dd_mean vs Slug



Right In: -74.200+/-180.011 χ^2/NDF: 21.4/24

Left Out: -377.221+/-150.952 χ^2/NDF:21.4/24

Right Out: -234.745+/-166.762 χ^2/NDF: 30.3/30

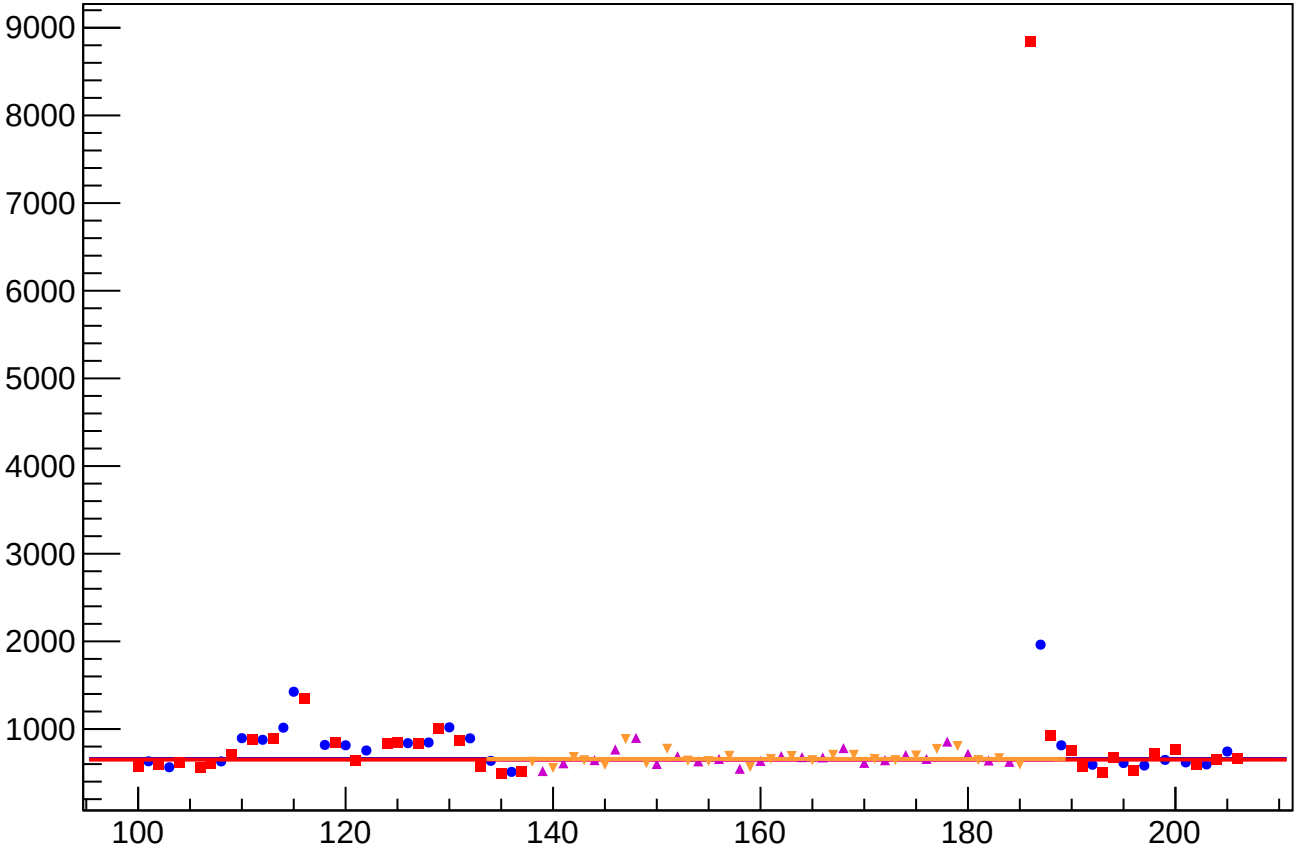
Left In: 103.321+/-154.335 χ^2/NDF:35.5/22

+ sign -252.113+/-115.666 χ^2/NDF: 44.5/49

All: -150.293+/-80.928 χ^2/NDF: 114.1/103

- sign -52.648+/-113.270 χ^2/NDF: 68.1/53

asym_sam_15_dd_rms vs Slug



Right In: 658.244+/-0.127 χ^2/NDF: 1074936.1/24

Left Out: 658.672+/-0.107 χ^2/NDF:409684.4/24

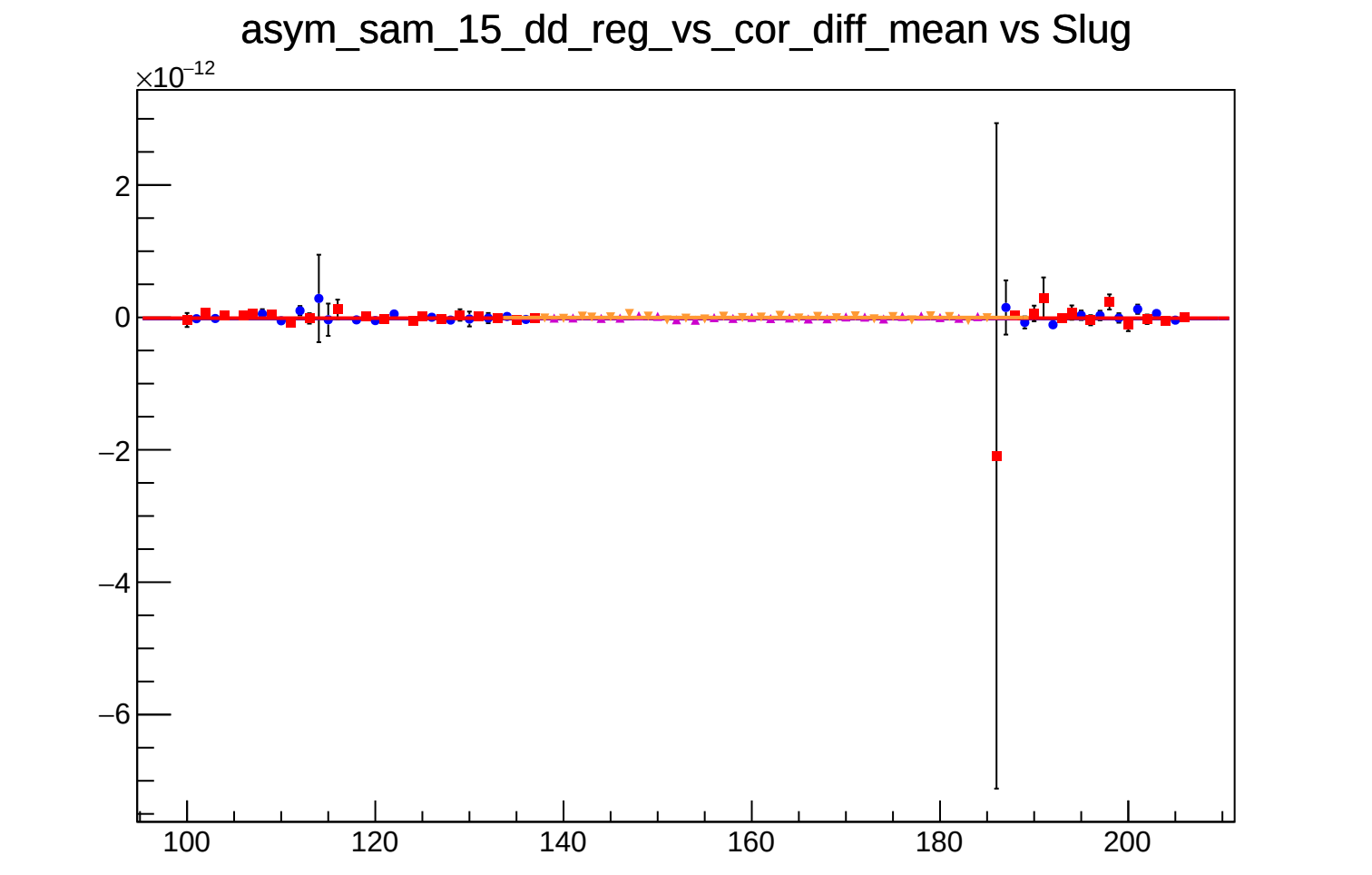
Right Out: 651.322+/-0.118 χ^2/NDF: 1927542.9/30

Left In: 653.950+/-0.109 χ^2/NDF:542078.1/22

+ sign 658.496+/-0.082 χ^2/NDF: 1484627.1/49

All: 655.556+/-0.057 χ^2/NDF: 3957045.7/103

- sign 652.738+/-0.080 χ^2/NDF: 2469888.6/53



Right In: -0.000+/-0.000 χ^2/NDF: 19.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.8/24

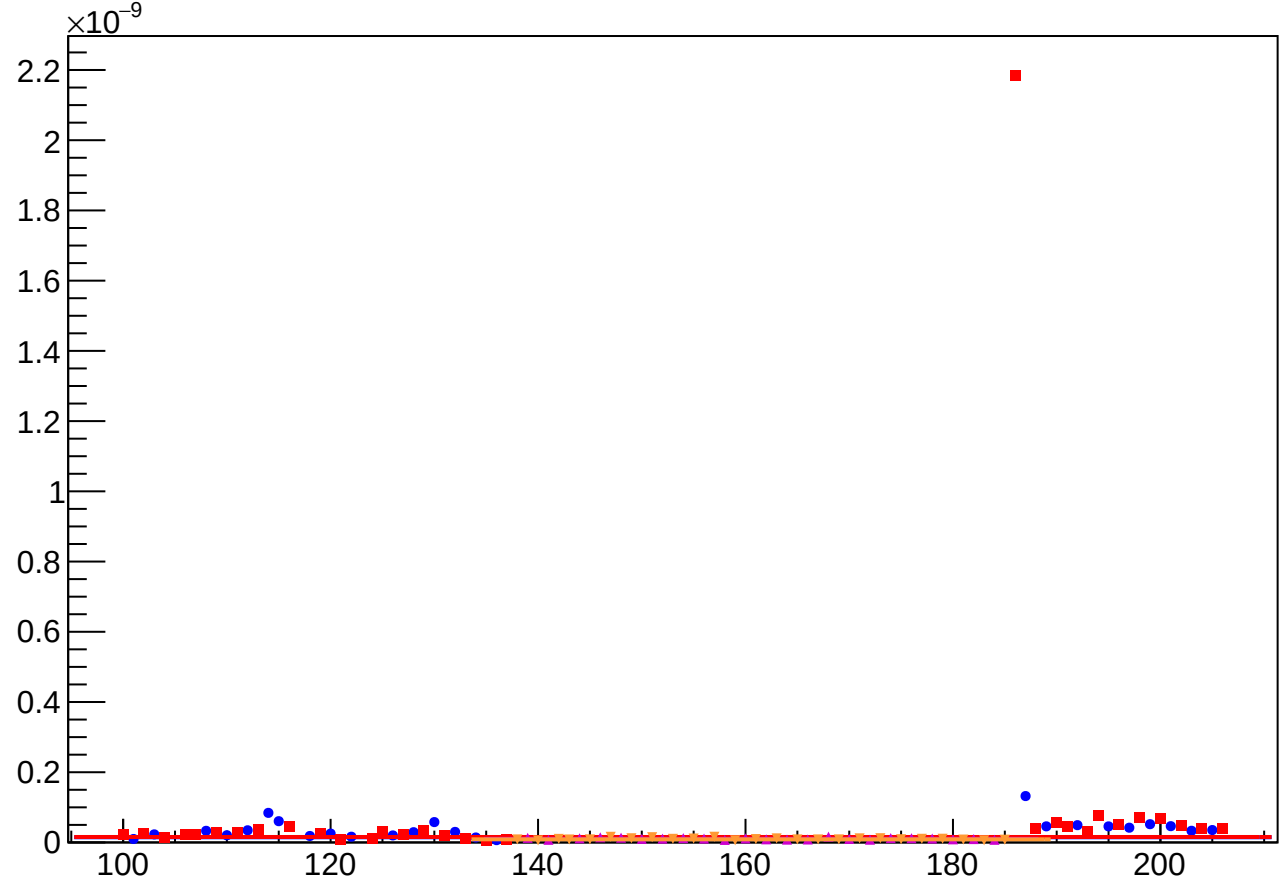
Right Out: -0.000+/-0.000 χ^2/NDF: 26.3/30

Left In: -0.000+/-0.000 χ^2/NDF:15.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 55.4/49

All: -0.000+/-0.000 χ^2/NDF: 98.1/103

- sign -0.000+/-0.000 χ^2/NDF: 42.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 5462681.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:1037287.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7075250.6/30

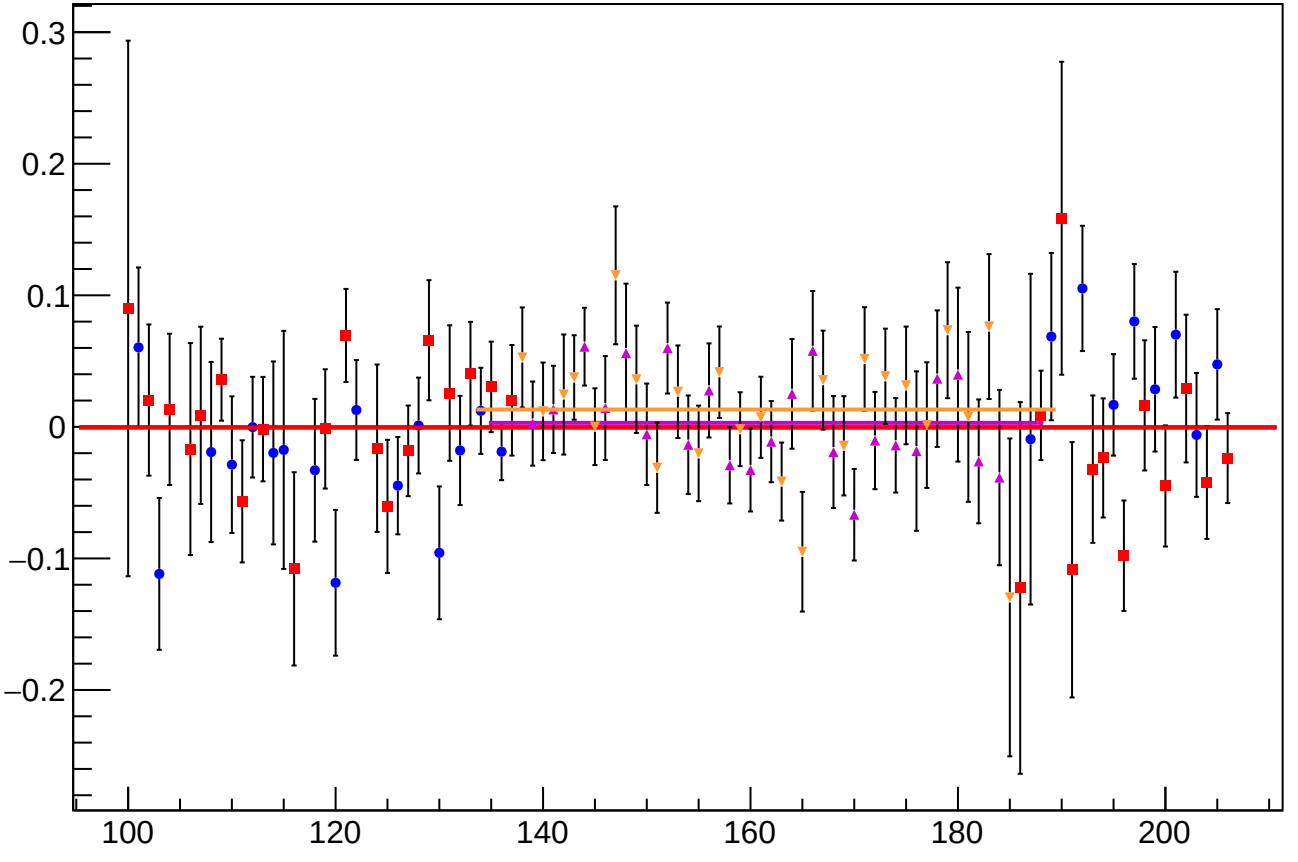
Left In: 0.000+/-0.000 χ^2/NDF:659247.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 7508964.3/49

All: 0.000+/-0.000 χ^2/NDF: 16253935.5/103

- sign 0.000+/-0.000 χ^2/NDF: 8566765.6/53

asym_sam_15_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.009 χ^2/NDF: 29.9/24

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

Right Out: -0.001+/-0.008 χ^2/NDF: 28.1/30

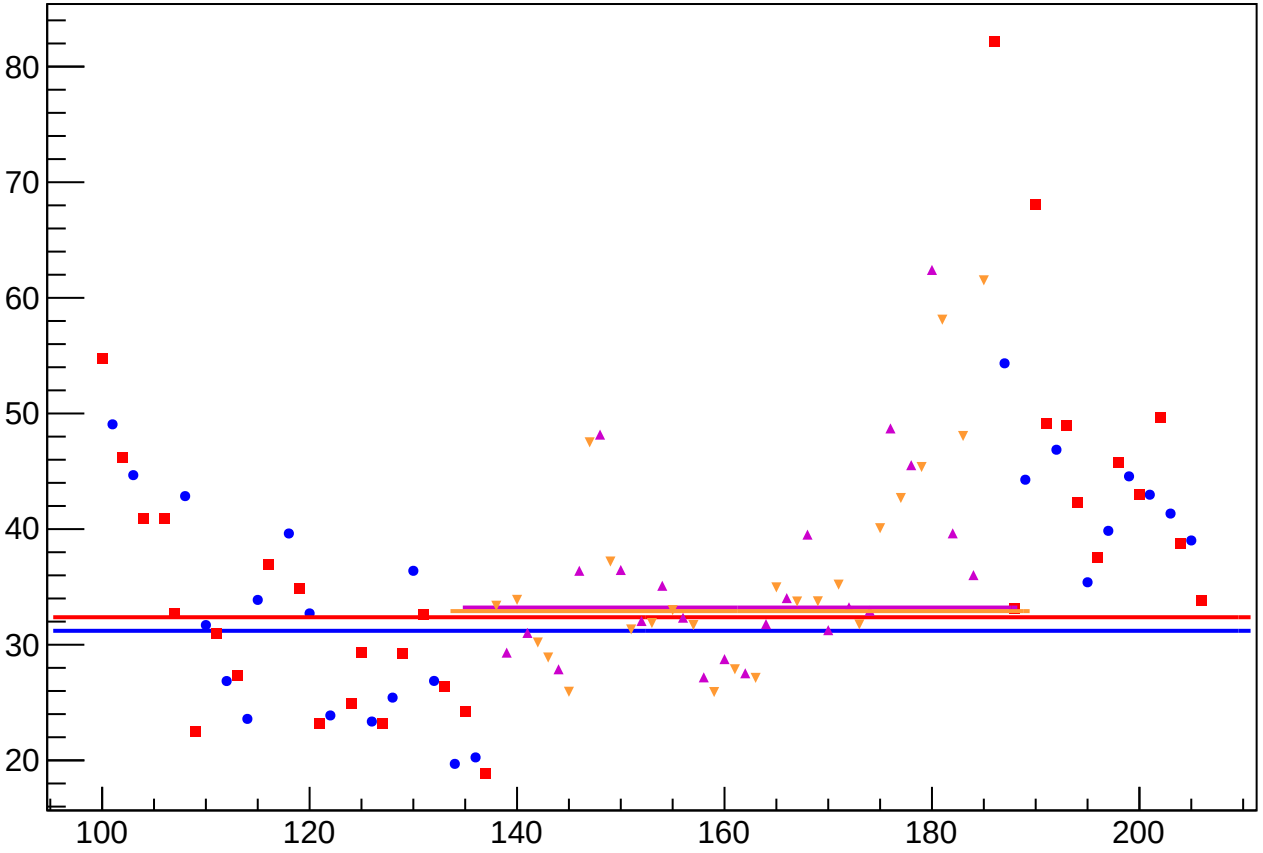
Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 56.6/49

All: 0.004+/-0.004 χ^2/NDF: 104.5/103

- sign 0.001+/-0.006 χ^2/NDF: 47.4/53

asym_sam_15_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.204+/-0.006 χ^2/NDF: 2371777.6/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

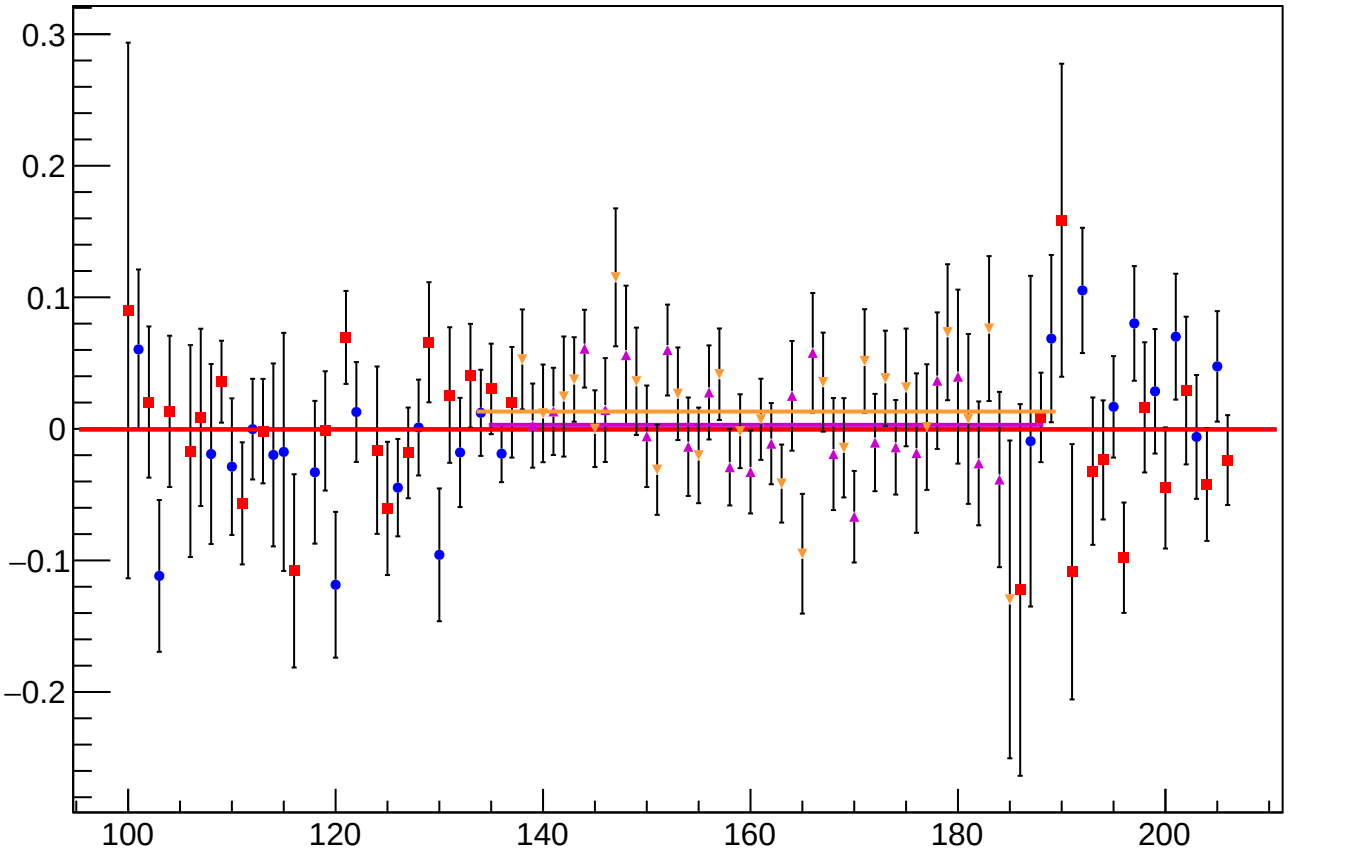
Right Out: 32.379+/-0.006 χ^2/NDF: 2420104.2/30

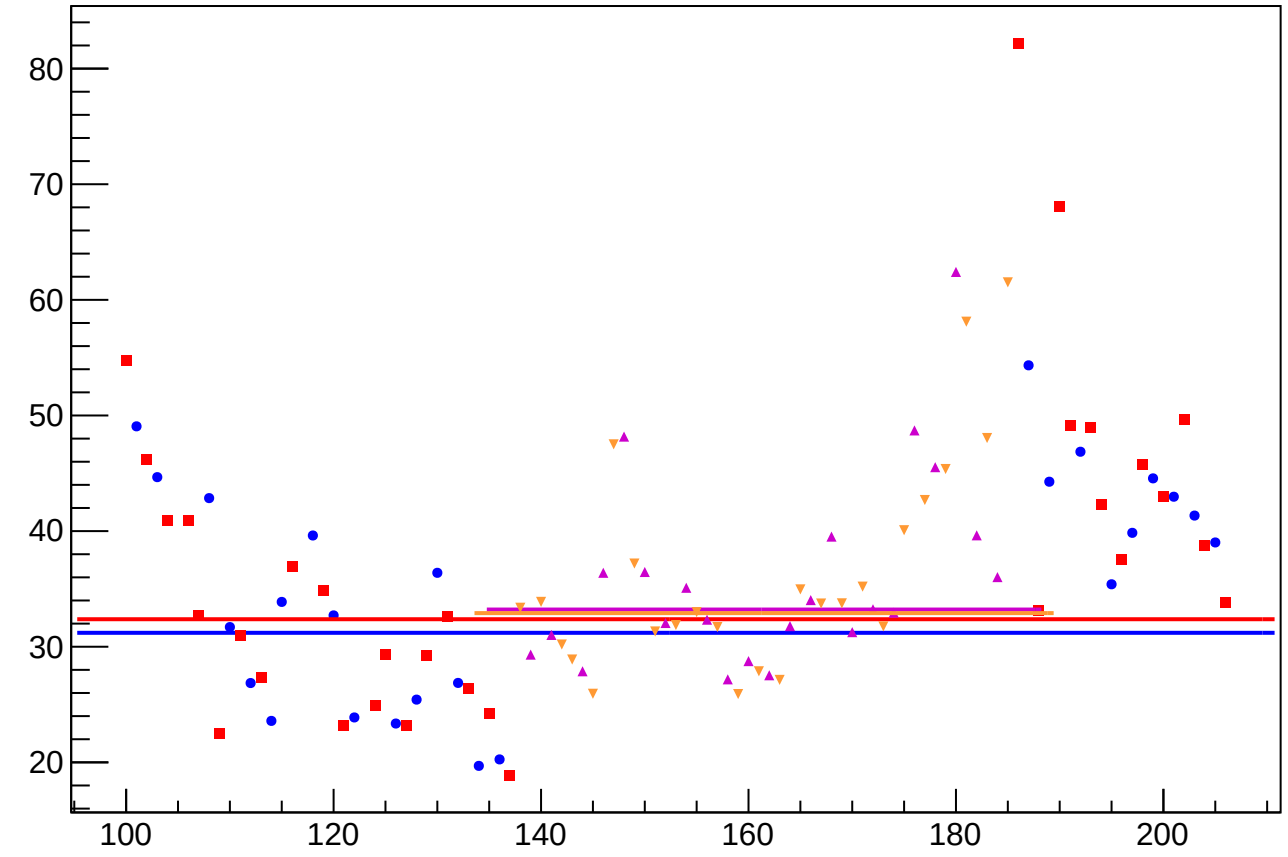
Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 32.171+/-0.004 χ^2/NDF: 3842235.6/49

All: 32.496+/-0.003 χ^2/NDF: 7506864.2/103

- sign 32.822+/-0.004 χ^2/NDF: 3651988.5/53


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
Right In: -0.000+/-0.009 χ²/NDF: 29.9/24
Left Out: 0.013+/-0.008 χ²/NDF:25.4/24
Right Out: -0.001+/-0.008 χ²/NDF: 28.1/30
Left In: 0.003+/-0.008 χ²/NDF:19.2/22
+ sign 0.007+/-0.006 χ²/NDF: 56.6/49
All: 0.004+/-0.004 χ²/NDF: 104.5/103
- sign 0.001+/-0.006 χ²/NDF: 47.4/53



Right In: 31.204+/-0.006 χ^2/NDF: 2371777.6/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427924.1/24

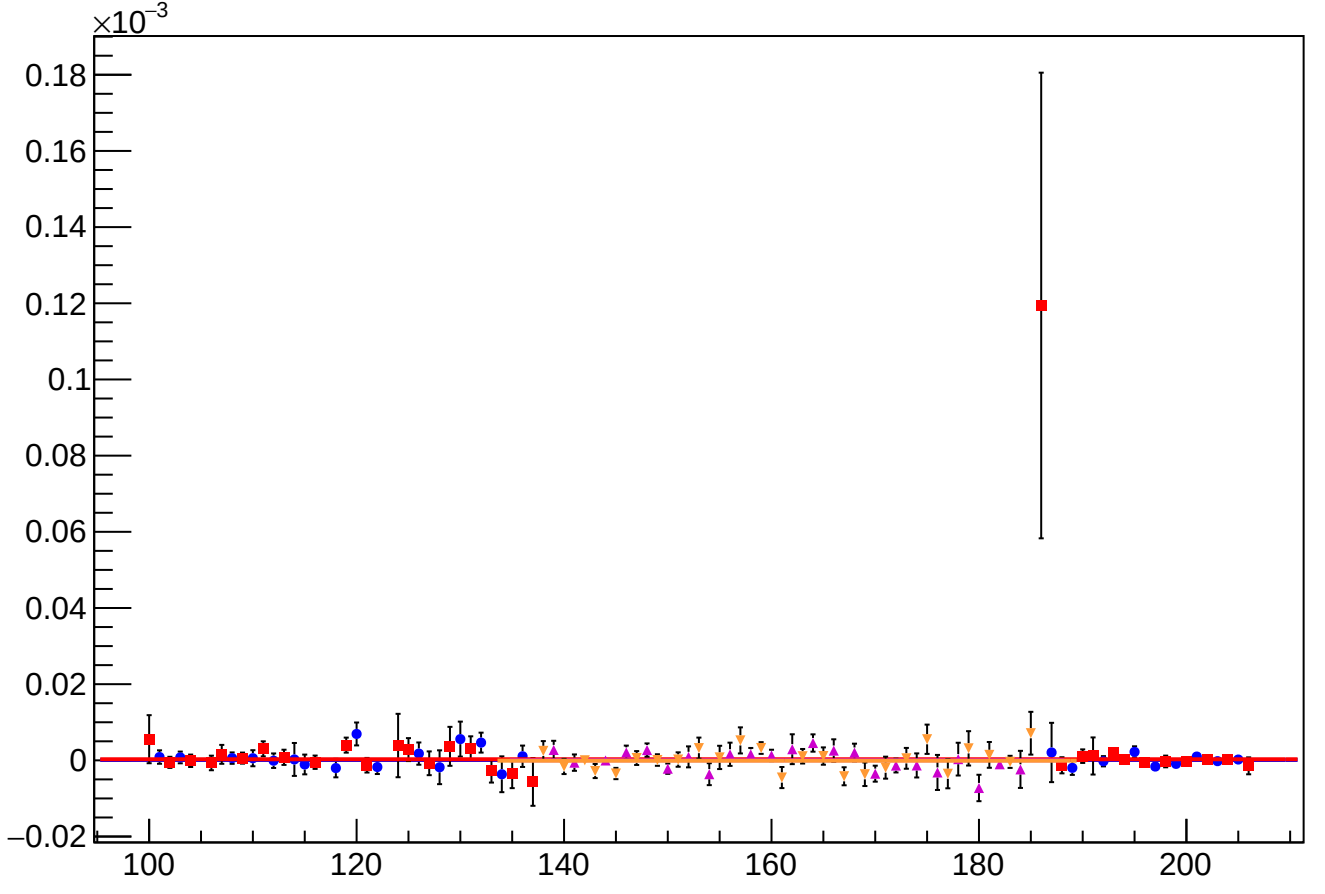
Right Out: 32.379+/-0.006 χ^2/NDF: 2420104.2/30

Left In: 33.217+/-0.006 χ^2/NDF:1221447.0/22

+ sign 32.171+/-0.004 χ^2/NDF: 3842235.6/49

All: 32.496+/-0.003 χ^2/NDF: 7506864.2/103

- sign 32.822+/-0.004 χ^2/NDF: 3651988.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 21.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/30

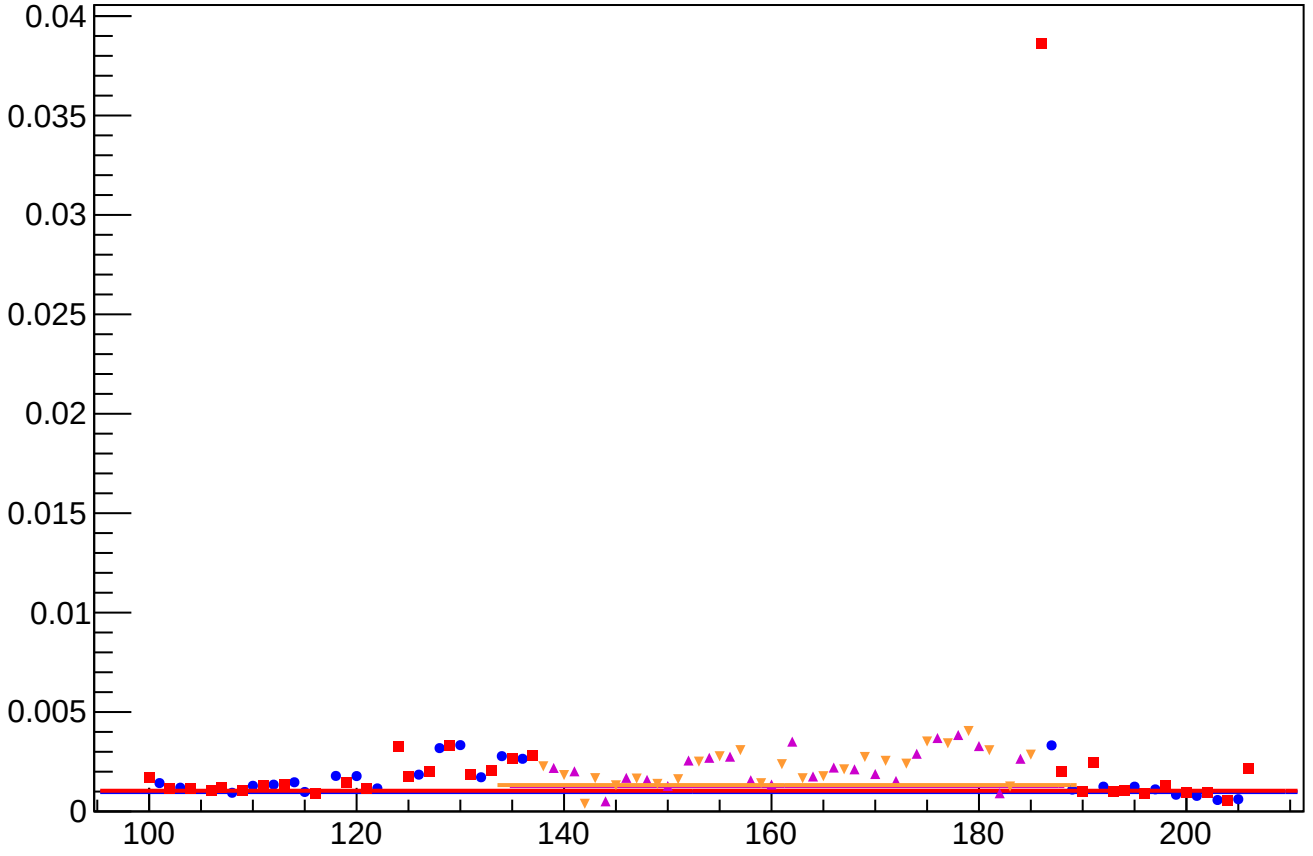
Left In: 0.000+/-0.000 χ^2/NDF:27.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.5/49

All: 0.000+/-0.000 χ^2/NDF: 101.7/103

- sign 0.000+/-0.000 χ^2/NDF: 49.0/53

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 4703805.3/24

Left Out: 0.001+/-0.000 χ^2/NDF:11159347.0/24

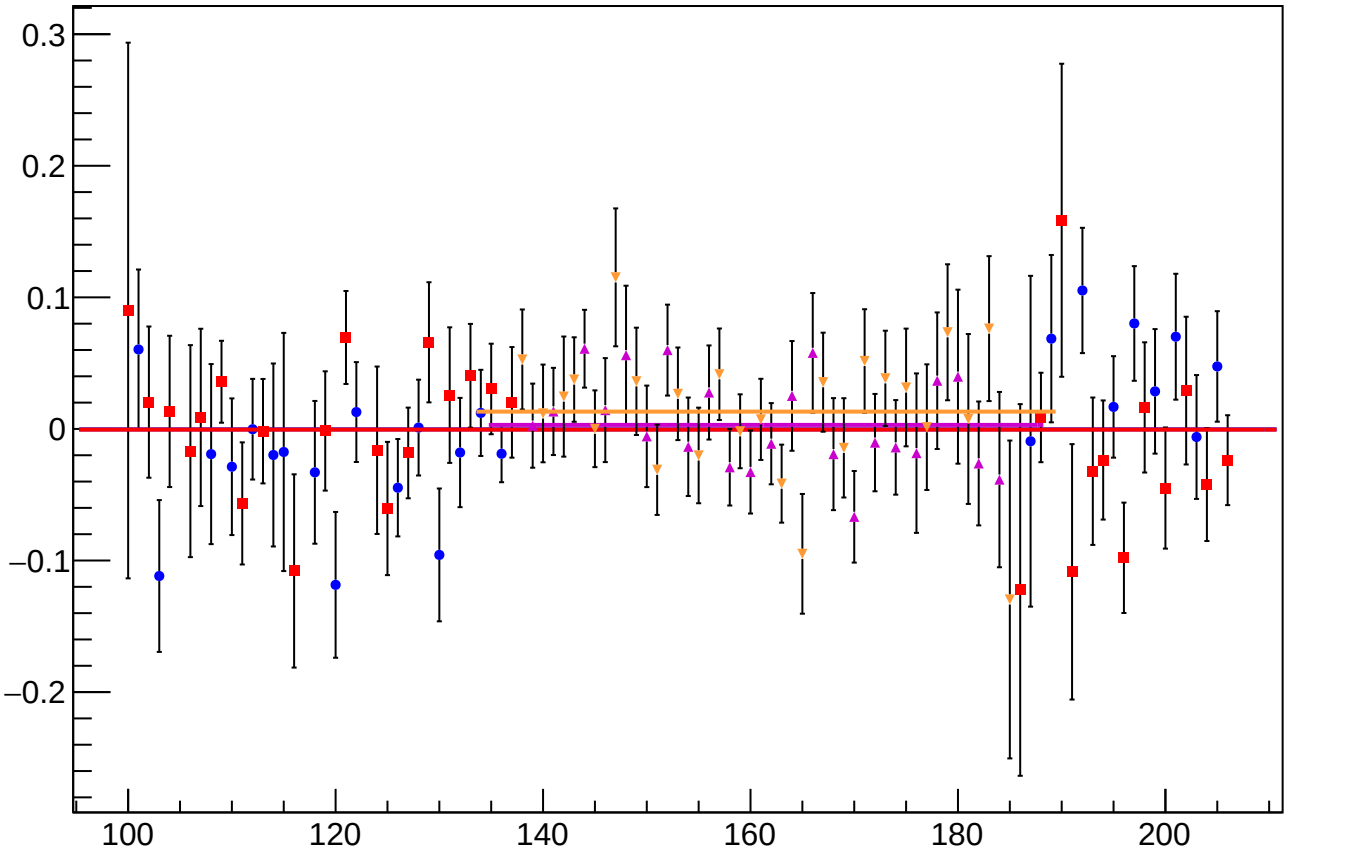
Right Out: 0.001+/-0.000 χ^2/NDF: 5419234.7/30

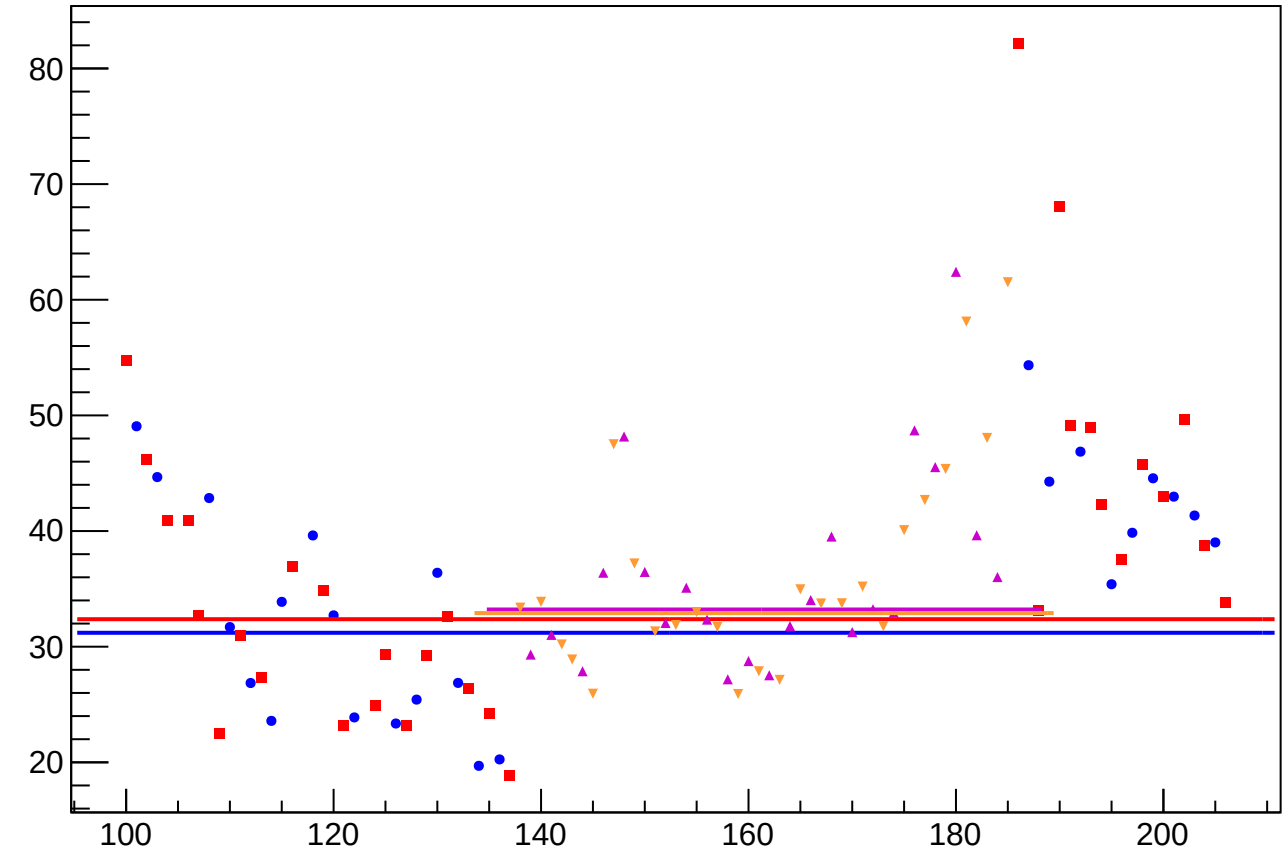
Left In: 0.001+/-0.000 χ^2/NDF:9878422.3/22

+ sign 0.001+/-0.000 χ^2/NDF: 16980094.9/49

All: 0.001+/-0.000 χ^2/NDF: 32801494.9/103

- sign 0.001+/-0.000 χ^2/NDF: 15812802.8/53


asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.3
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: -0.000+/-0.009 χ²/NDF: 29.9/24
Left Out: 0.013+/-0.008 χ²/NDF:25.4/24
Right Out: -0.001+/-0.008 χ²/NDF: 28.1/30
Left In: 0.003+/-0.008 χ²/NDF:19.2/22
+ sign 0.007+/-0.006 χ²/NDF: 56.6/49
All: 0.004+/-0.004 χ²/NDF: 104.5/103
- sign 0.001+/-0.006 χ²/NDF: 47.4/53



Right In: 31.203+/-0.006 χ^2/NDF: 2371974.9/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

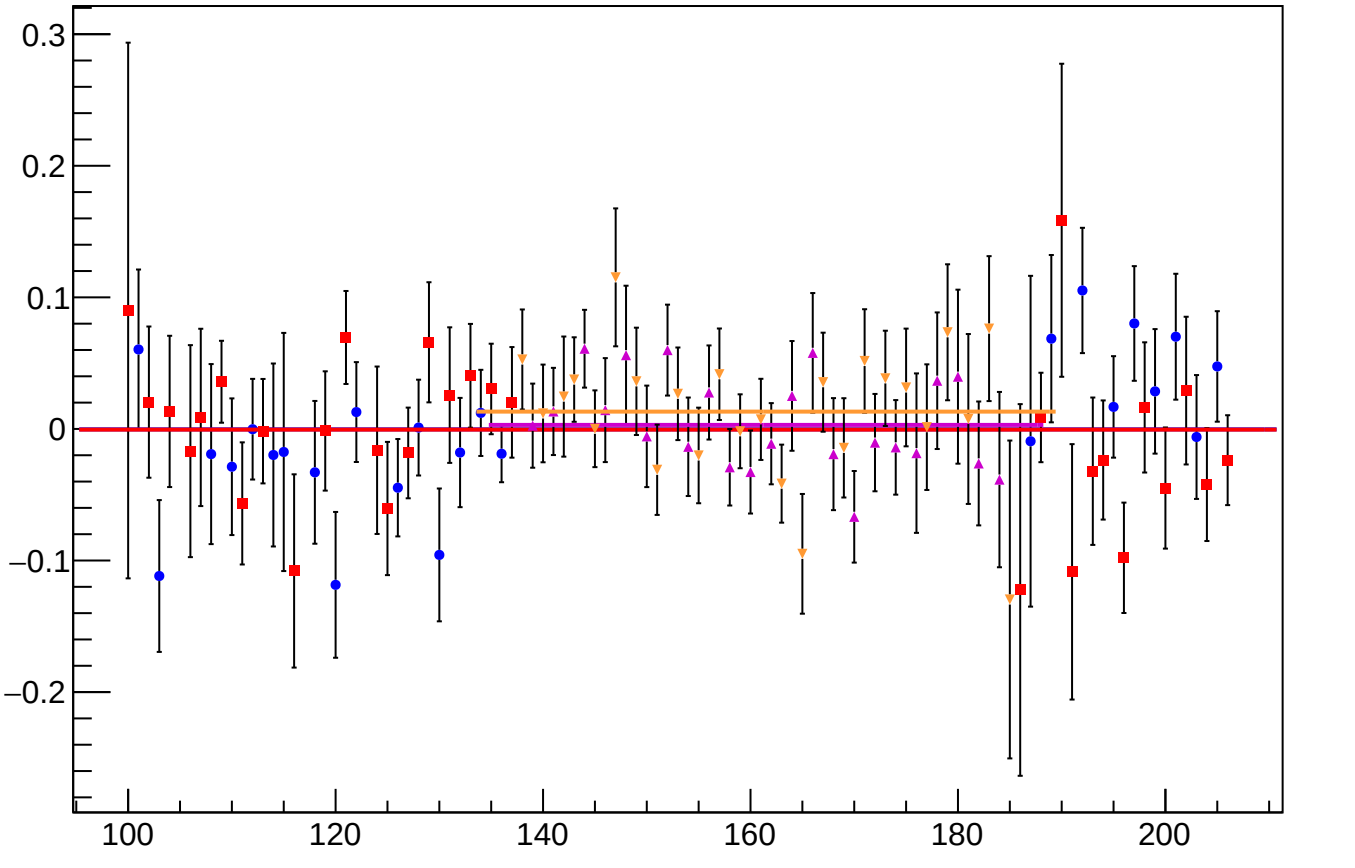
Right Out: 32.378+/-0.006 χ^2/NDF: 2420428.3/30

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 32.171+/-0.004 χ^2/NDF: 3842540.0/49

All: 32.496+/-0.003 χ^2/NDF: 7507586.7/103

- sign 32.821+/-0.004 χ^2/NDF: 3652411.0/53



Right In: -0.000+/-0.009 χ^2/NDF: 29.9/24

Left Out: 0.013+/-0.008 χ^2/NDF:25.4/24

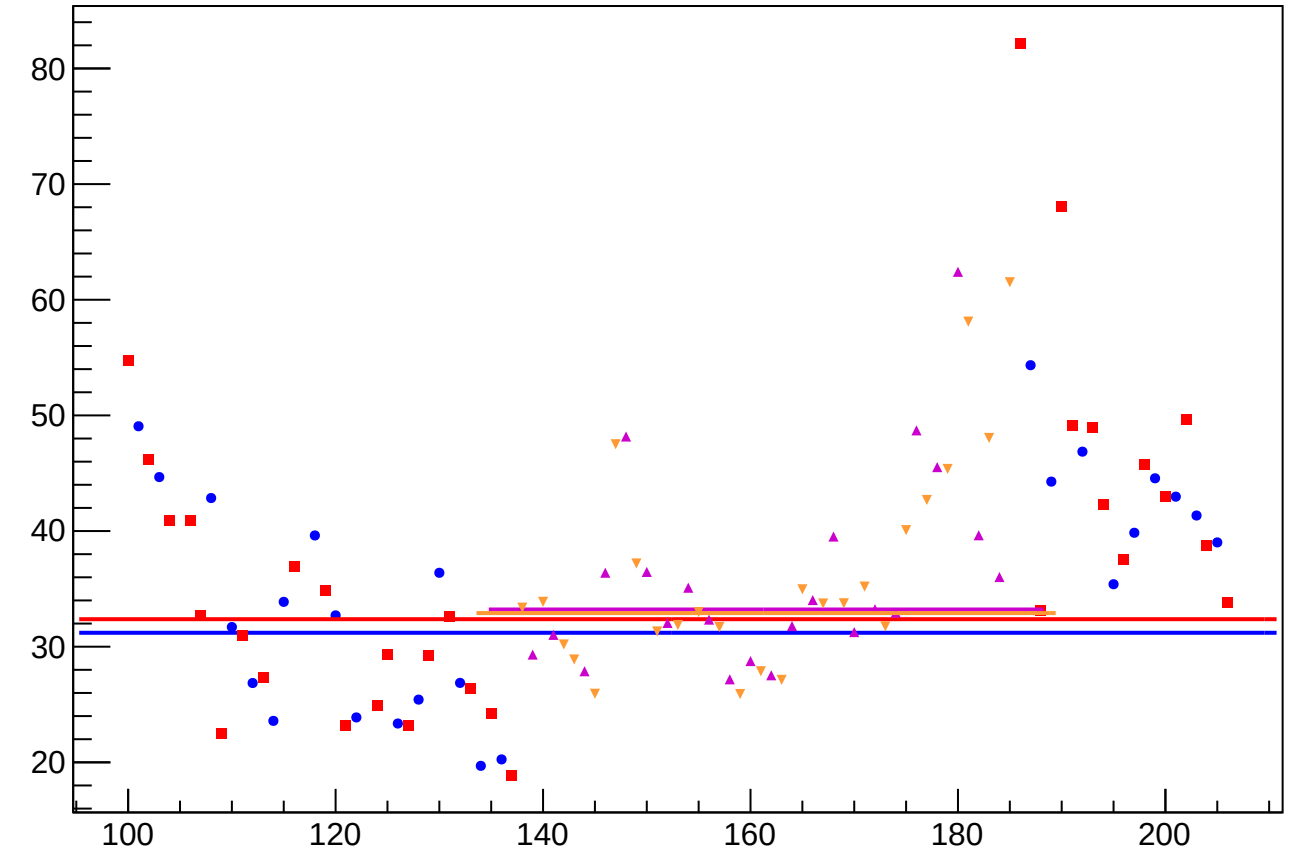
Right Out: -0.001+/-0.008 χ^2/NDF: 28.1/30

Left In: 0.003+/-0.008 χ^2/NDF:19.2/22

+ sign 0.007+/-0.006 χ^2/NDF: 56.6/49

All: 0.004+/-0.004 χ^2/NDF: 104.5/103

- sign 0.001+/-0.006 χ^2/NDF: 47.4/53



Right In: 31.203+/-0.006 χ^2/NDF: 2371974.9/24

Left Out: 32.907+/-0.005 χ^2/NDF:1427993.7/24

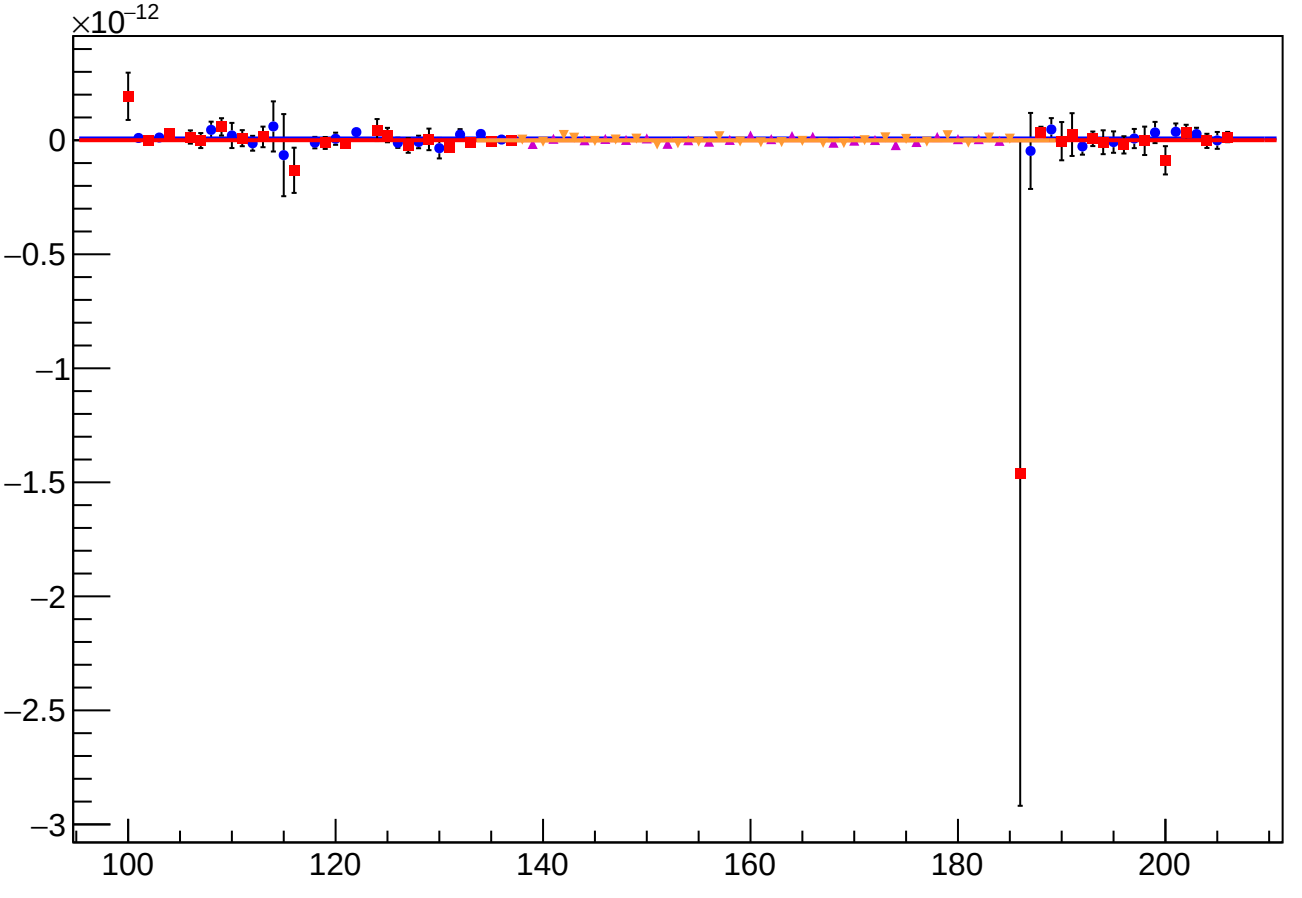
Right Out: 32.378+/-0.006 χ^2/NDF: 2420428.3/30

Left In: 33.217+/-0.006 χ^2/NDF:1221516.5/22

+ sign 32.171+/-0.004 χ^2/NDF: 3842540.0/49

All: 32.496+/-0.003 χ^2/NDF: 7507586.7/103

- sign 32.821+/-0.004 χ^2/NDF: 3652411.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 11.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

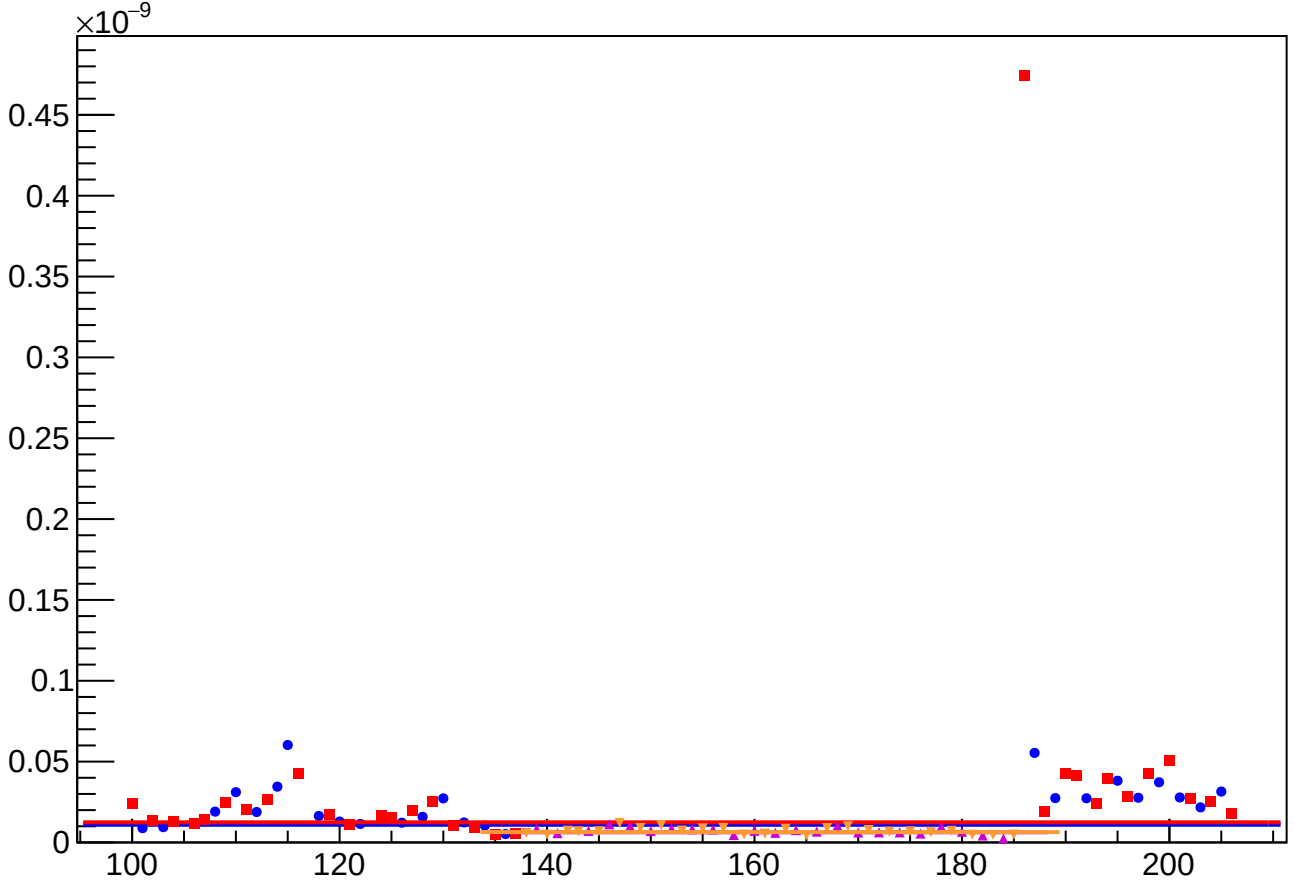
Right Out: 0.000+/-0.000 χ^2/NDF: 21.7/30

Left In: 0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 45.6/49

All: 0.000+/-0.000 χ^2/NDF: 92.6/103

- sign 0.000+/-0.000 χ^2/NDF: 47.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 6541630.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1879116.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7164051.9/30

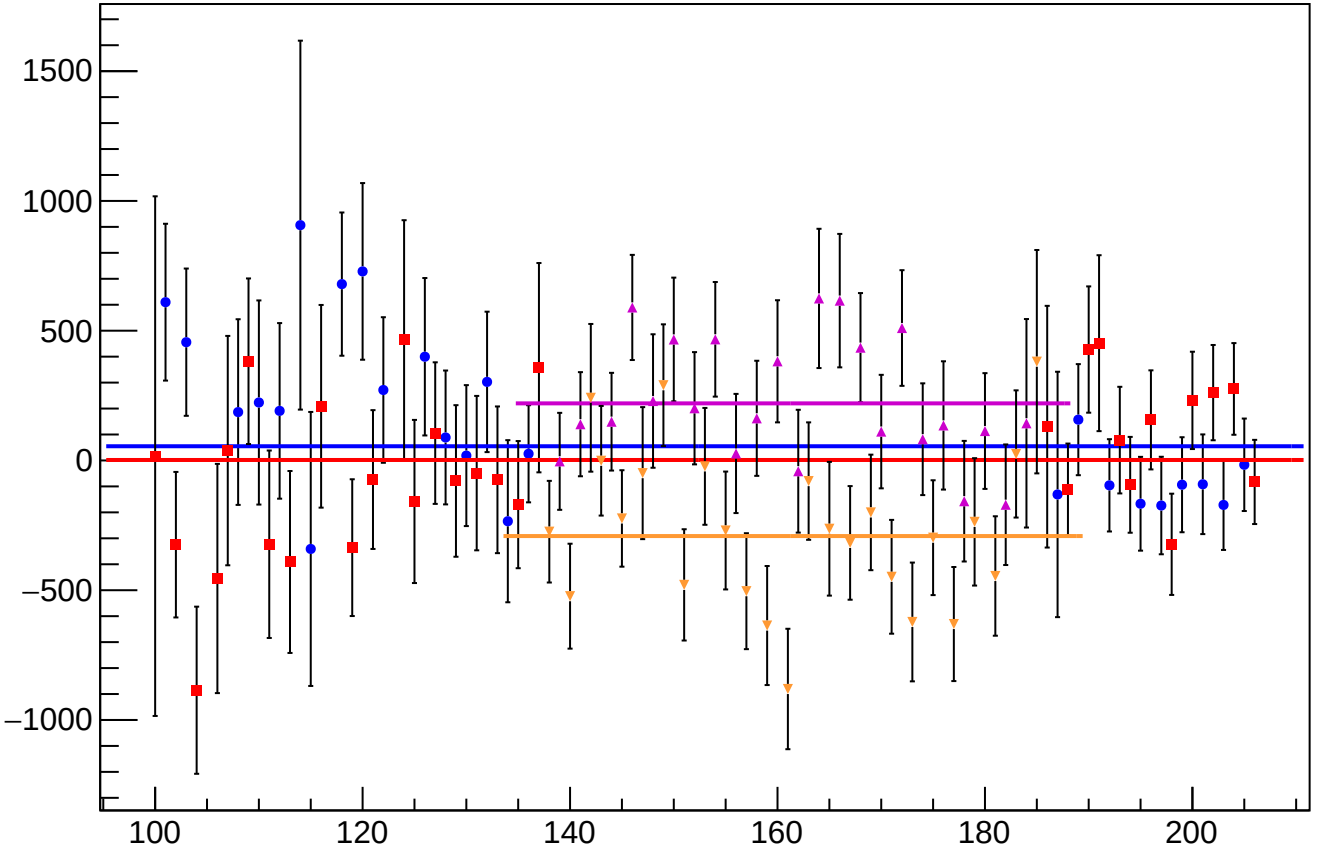
Left In: 0.000+/-0.000 χ^2/NDF:2127144.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 10278751.1/49

All: 0.000+/-0.000 χ^2/NDF: 22733223.8/103

- sign 0.000+/-0.000 χ^2/NDF: 12449361.0/53

reg_asym_sam_26_dd_mean vs Slug



Right In: 54.743+/-48.971 χ^2/NDF: 27.7/24

Left Out: -291.313+/-45.614 χ^2/NDF:36.4/24

Right Out: 1.836+/-45.747 χ^2/NDF: 33.7/30

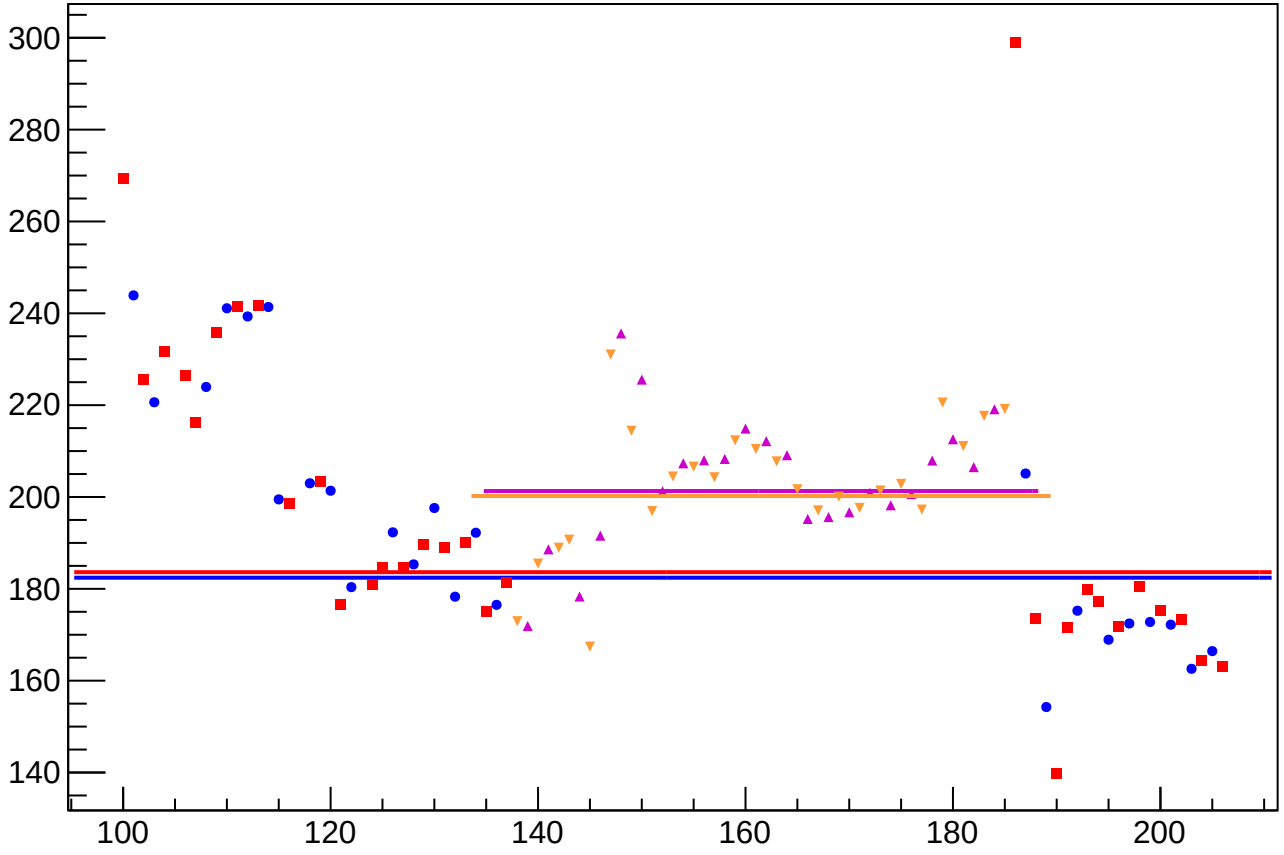
Left In: 219.974+/-47.146 χ^2/NDF:23.7/22

+ sign -130.554+/-33.378 χ^2/NDF: 90.8/49

All: -9.501+/-23.406 χ^2/NDF: 185.2/103

- sign 107.622+/-32.831 χ^2/NDF: 68.5/53

reg_asym_sam_26_dd_rms vs Slug



Right In: 182.426+/-0.035 χ^2/NDF: 406259.7/24

Left Out: 200.210+/-0.032 χ^2/NDF:204393.9/24

Right Out: 183.627+/-0.032 χ^2/NDF: 588287.1/30

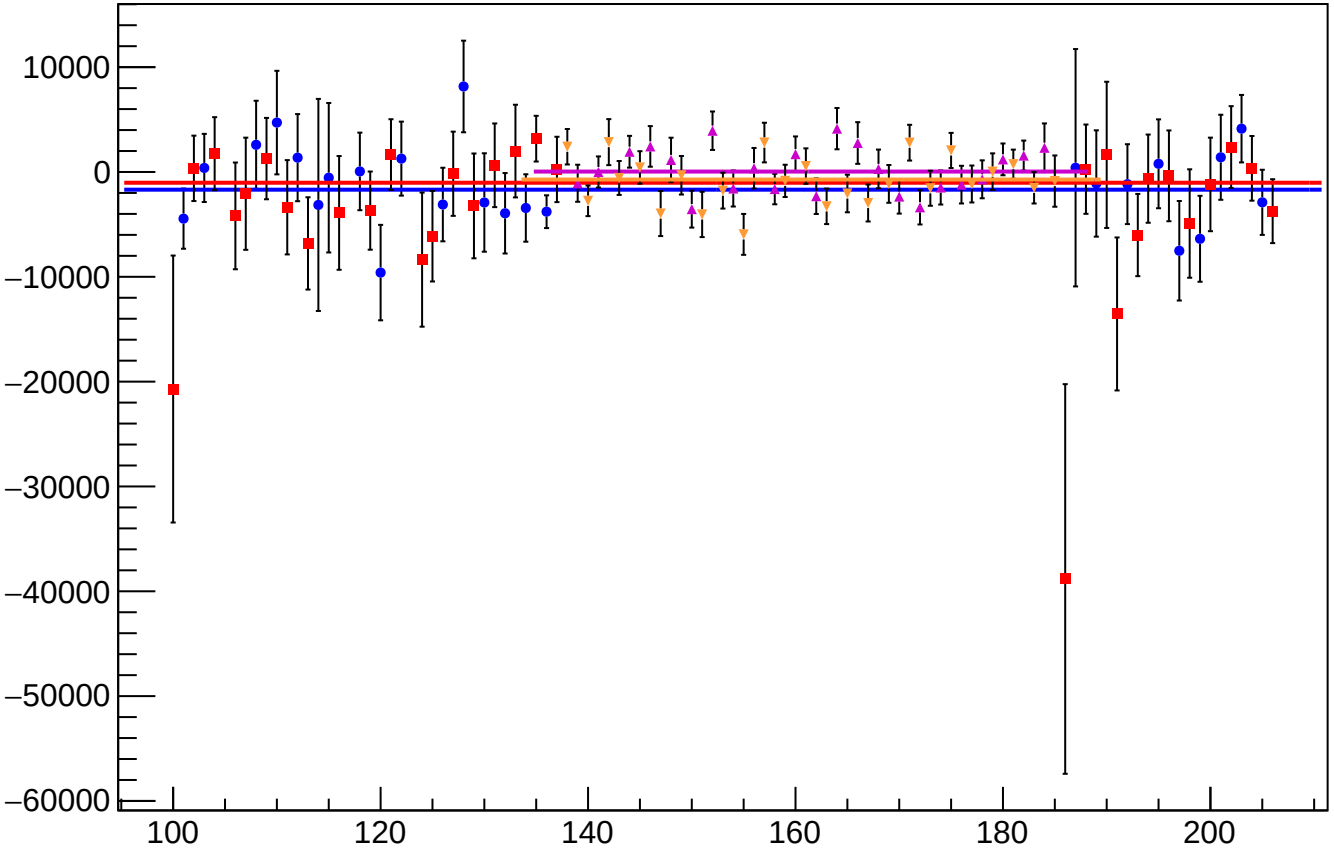
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 191.948+/-0.024 χ^2/NDF: 751887.8/49

All: 192.074+/-0.017 χ^2/NDF: 1666590.1/103

- sign 192.196+/-0.023 χ^2/NDF: 914646.2/53

asym_sam_26_dd_reg_correction_mean vs Slug



Right In: -1688.708+/-727.214 χ^2/NDF: 23.6/24

Left Out: -720.700+/-346.376 χ^2/NDF:38.3/24

Right Out: -1027.182+/-730.949 χ^2/NDF: 26.2/30

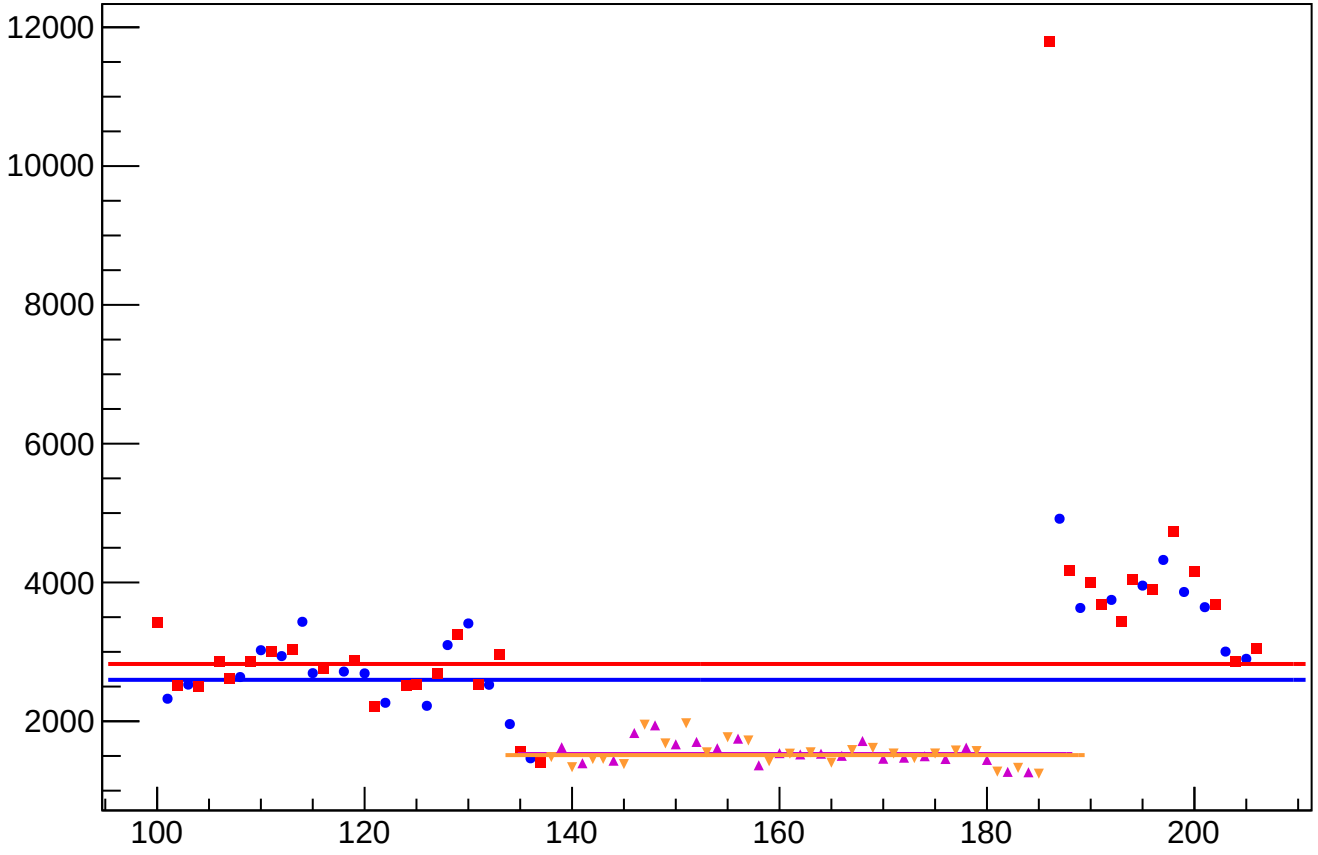
Left In: 39.277+/-359.265 χ^2/NDF:34.4/22

+ sign -899.700+/-312.715 χ^2/NDF: 63.3/49

All: -545.143+/-224.477 χ^2/NDF: 128.2/103

- sign -168.227+/-322.425 χ^2/NDF: 62.3/53

asym_sam_26_dd_reg_correction_rms vs Slug



Right In: 2597.074+/-0.514 χ^2/NDF: 2510983.0/24

Left Out: 1512.365+/-0.245 χ^2/NDF:442558.0/24

Right Out: 2825.501+/-0.517 χ^2/NDF: 2901576.3/30

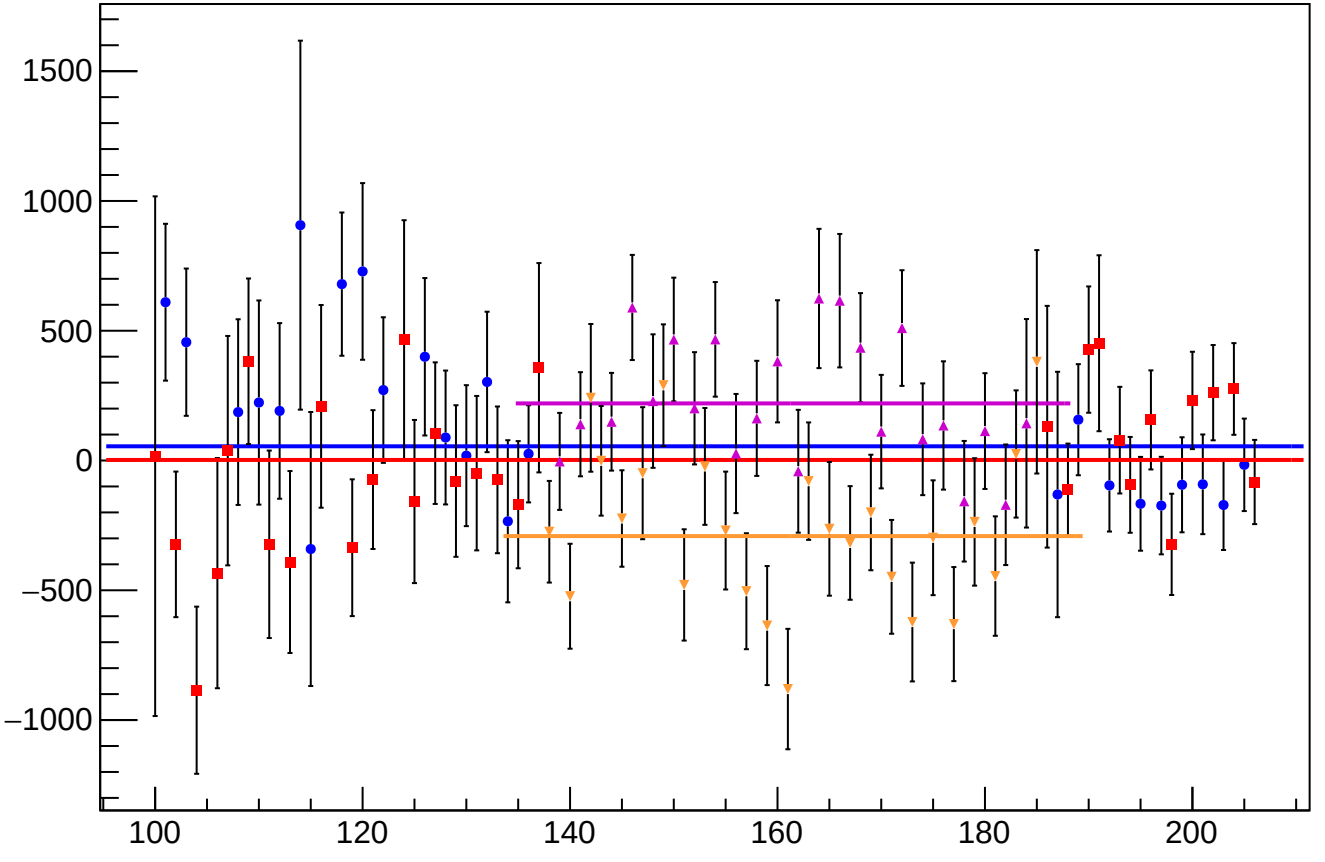
Left In: 1527.964+/-0.254 χ^2/NDF:373844.4/22

+ sign 1712.944+/-0.221 χ^2/NDF: 6580435.8/49

All: 1745.655+/-0.159 χ^2/NDF: 14976995.0/1

- sign 1780.429+/-0.228 χ^2/NDF: 8351411.8/53

cor_asym_sam_26_dd_mean vs Slug



Right In: 54.740+/-48.971 χ^2/NDF: 27.7/24

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 2.149+/-45.750 χ^2/NDF: 33.6/30

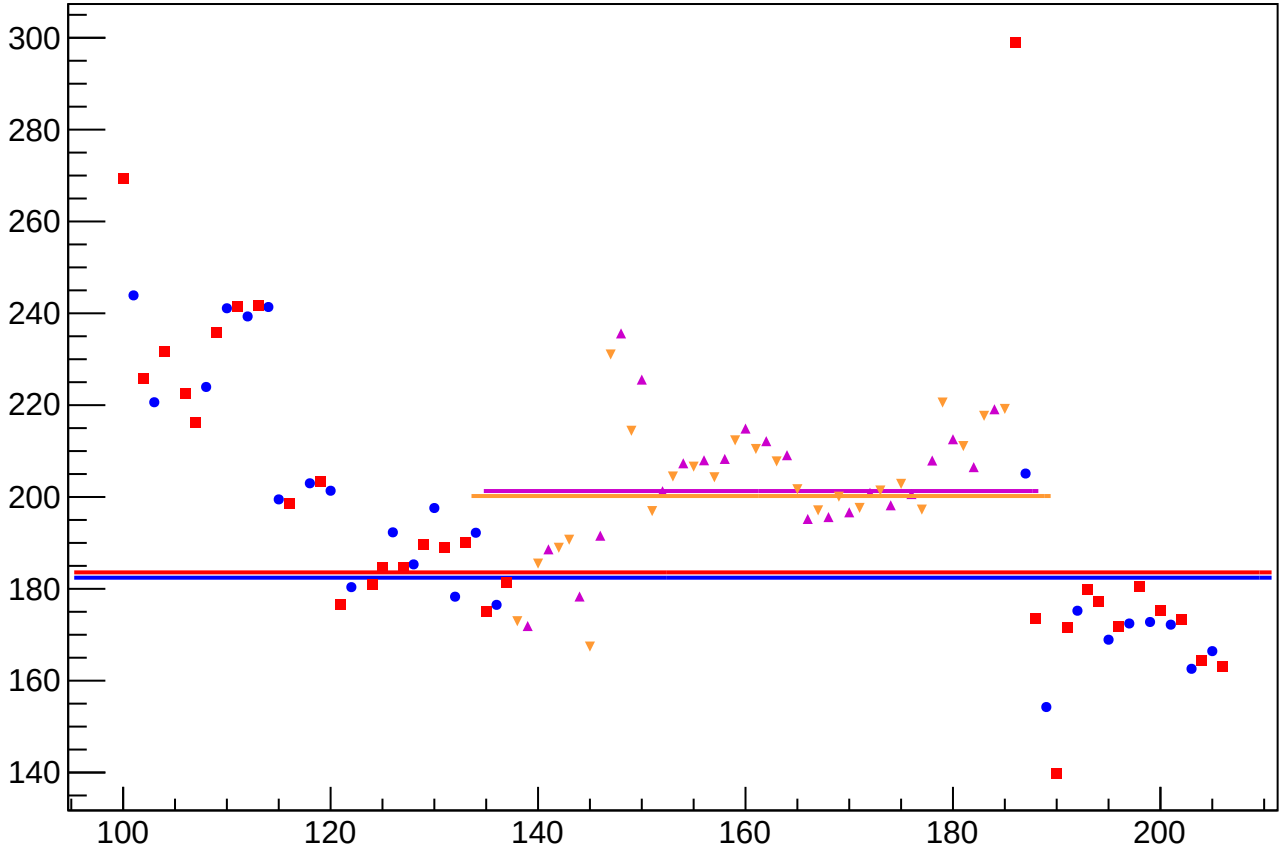
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -130.556+/-33.378 χ^2/NDF: 90.8/49

All: -9.419+/-23.406 χ^2/NDF: 185.0/103

- sign 107.793+/-32.832 χ^2/NDF: 68.3/53

cor_asym_sam_26_dd_rms vs Slug



Right In: 182.426+/-0.035 χ^2/NDF: 406260.2/24

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

Right Out: 183.582+/-0.032 χ^2/NDF: 584975.5/30

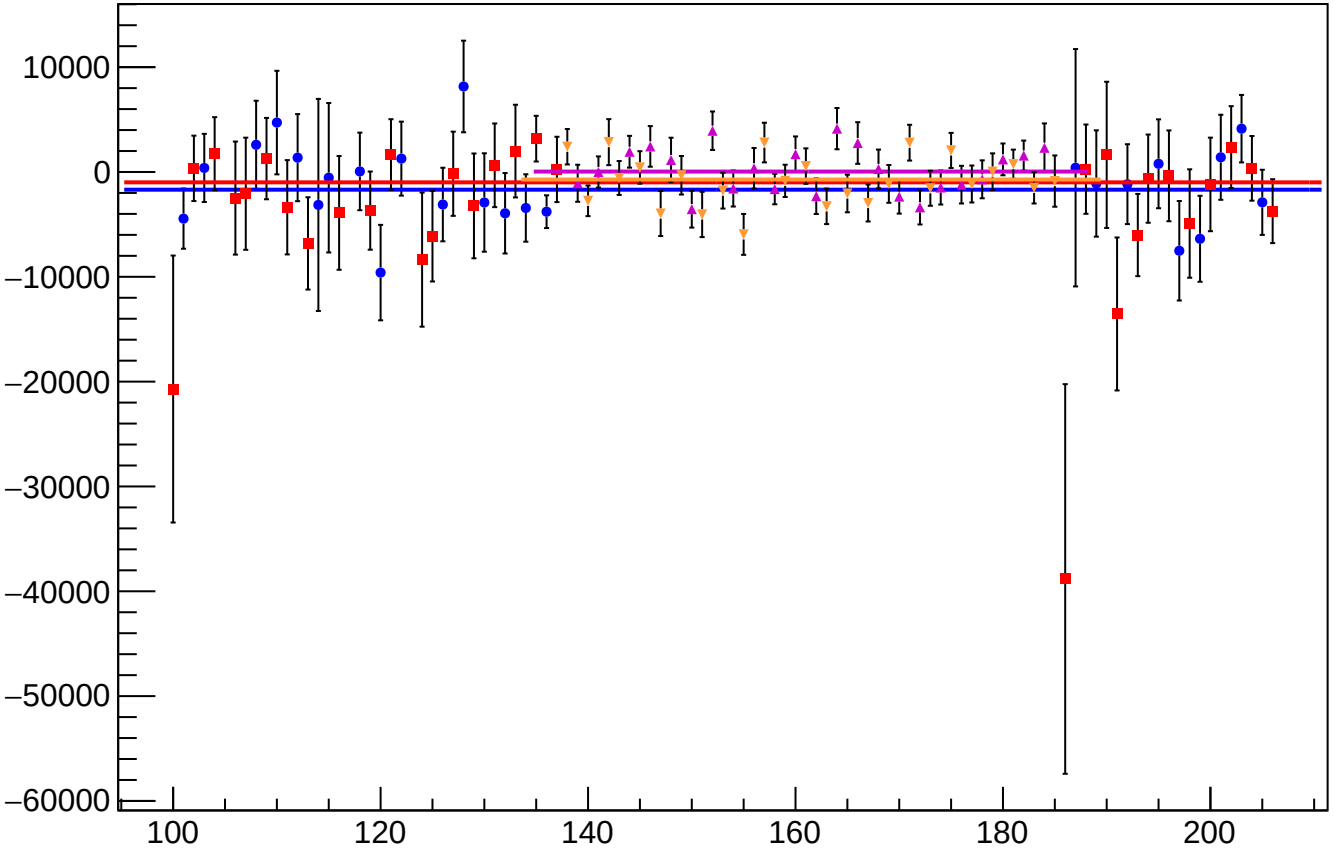
Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 191.948+/-0.024 χ^2/NDF: 751888.3/49

All: 192.063+/-0.017 χ^2/NDF: 1663992.1/103

- sign 192.174+/-0.023 χ^2/NDF: 912057.5/53

asym_sam_26_dd_cor_correction_mean vs Slug



Right In: -1688.684+/-727.215 χ^2/NDF: 23.6/24

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -988.956+/-731.785 χ^2/NDF: 25.9/30

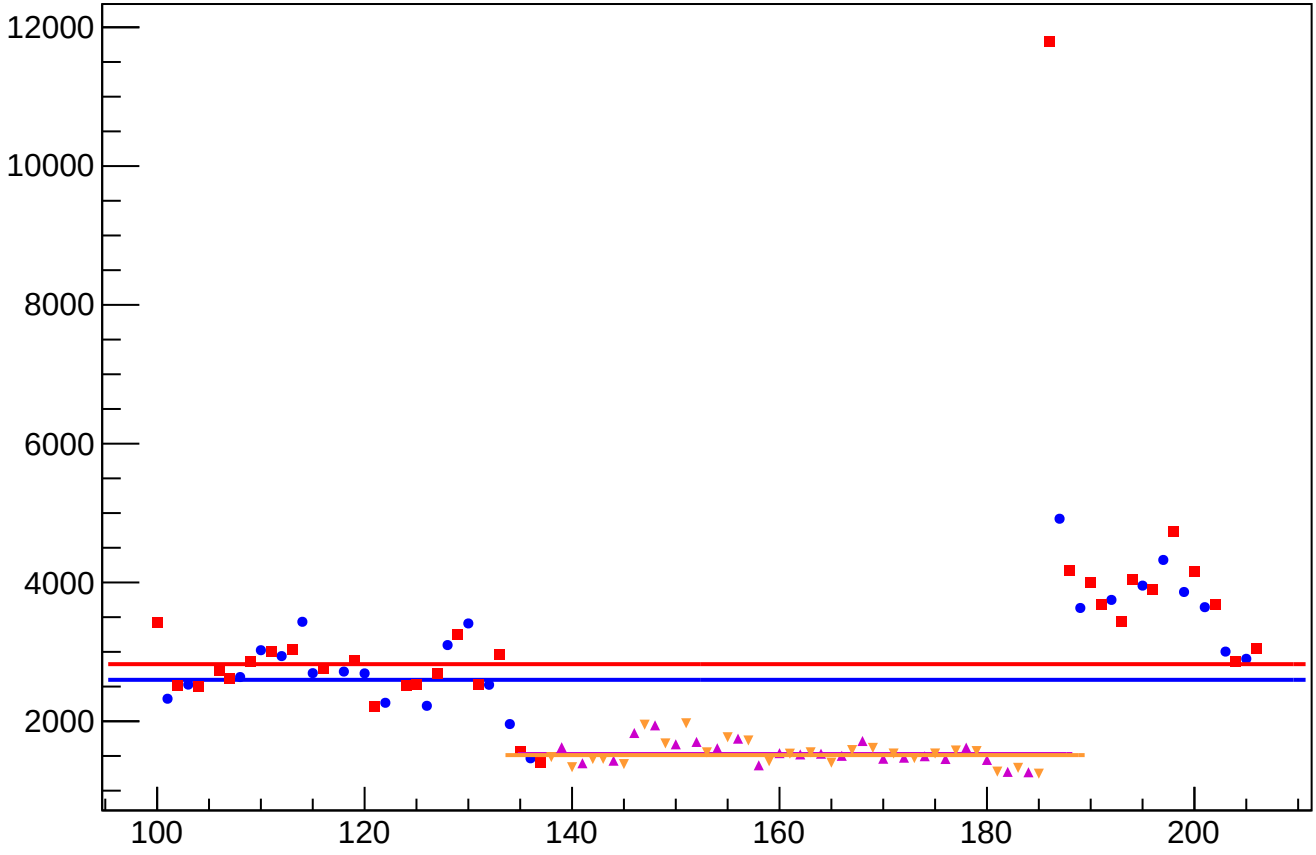
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -899.699+/-312.715 χ^2/NDF: 63.3/49

All: -541.442+/-224.501 χ^2/NDF: 127.8/103

- sign -160.423+/-322.496 χ^2/NDF: 61.9/53

asym_sam_26_dd_cor_correction_rms vs Slug



Right In: 2597.078+/-0.514 χ^2/NDF: 2510978.7/24

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2822.962+/-0.517 χ^2/NDF: 2901902.9/30

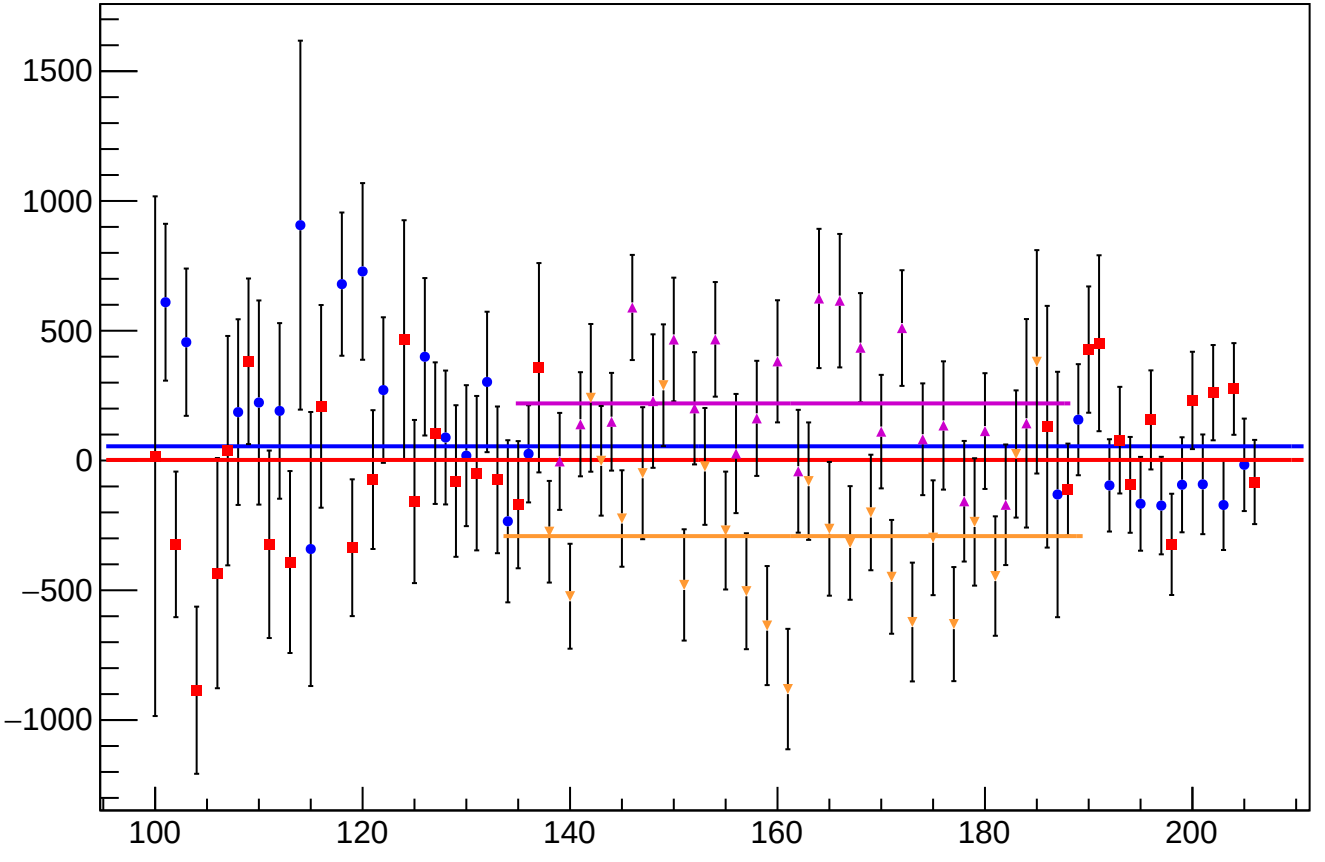
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1712.945+/-0.221 χ^2/NDF: 6580448.4/49

All: 1745.184+/-0.159 χ^2/NDF: 14946914.7/1

- sign 1779.472+/-0.228 χ^2/NDF: 8322600.5/53

eigen_cor_asym_sam_26_dd_mean vs Slug



Right In: 54.740+/-48.971 χ^2/NDF: 27.7/24

Left Out: -291.316+/-45.614 χ^2/NDF:36.4/24

Right Out: 2.149+/-45.750 χ^2/NDF: 33.6/30

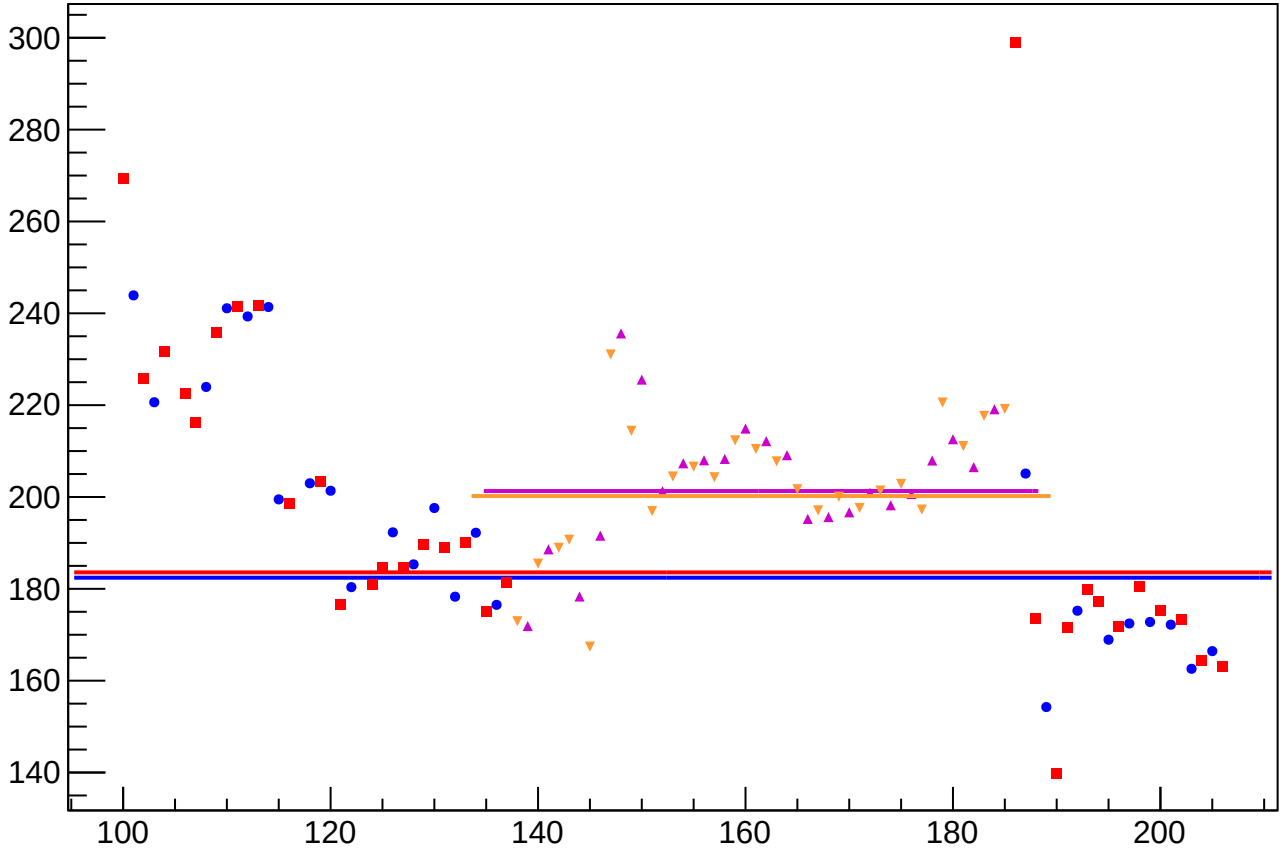
Left In: 219.983+/-47.146 χ^2/NDF:23.7/22

+ sign -130.556+/-33.378 χ^2/NDF: 90.8/49

All: -9.419+/-23.406 χ^2/NDF: 185.0/103

- sign 107.793+/-32.832 χ^2/NDF: 68.3/53

eigen_cor_asym_sam_26_dd_rms vs Slug



Right In: 182.426+/-0.035 χ^2/NDF: 406260.2/24

Left Out: 200.210+/-0.032 χ^2/NDF:204394.0/24

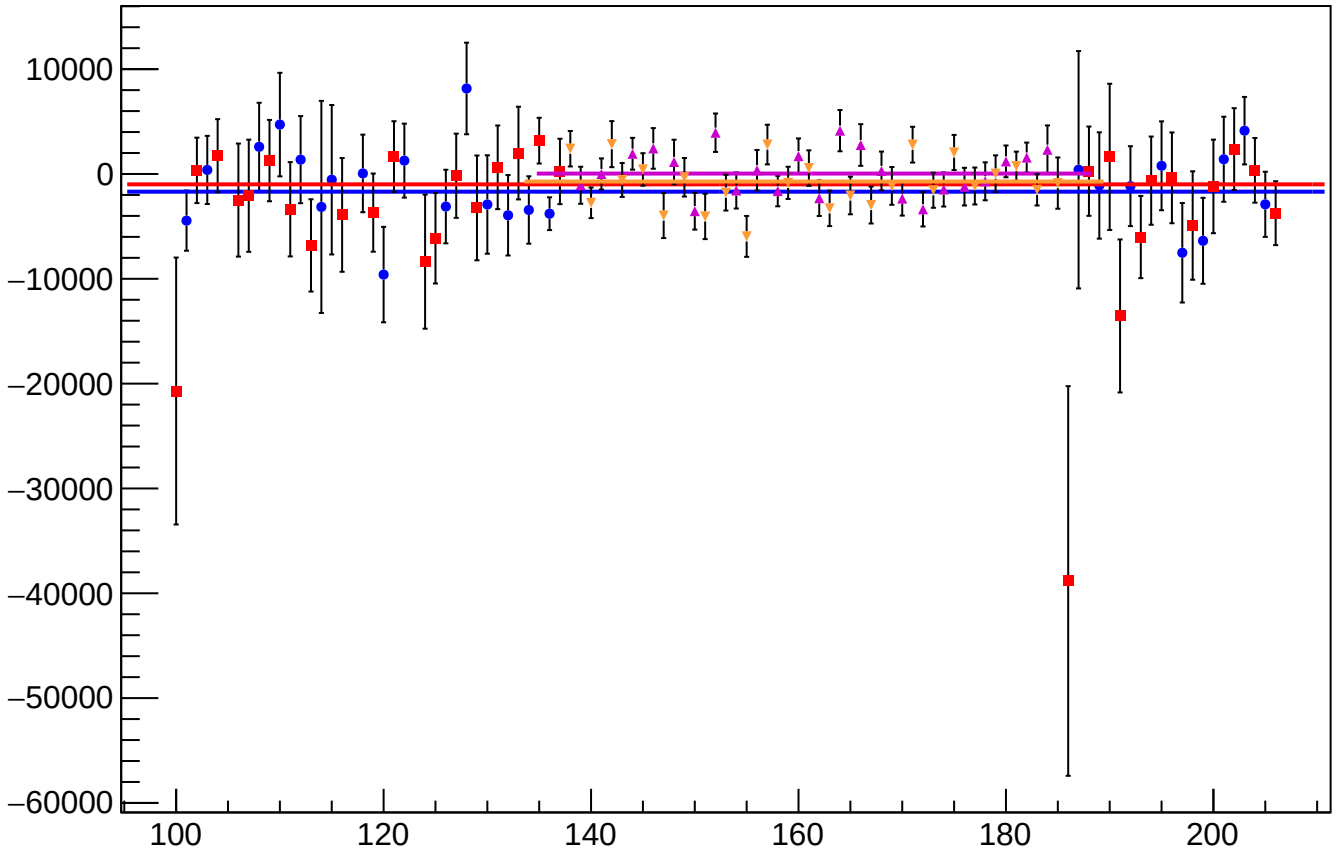
Right Out: 183.582+/-0.032 χ^2/NDF: 584975.5/30

Left In: 201.297+/-0.033 χ^2/NDF:181646.8/22

+ sign 191.948+/-0.024 χ^2/NDF: 751888.3/49

All: 192.063+/-0.017 χ^2/NDF: 1663992.1/103

- sign 192.174+/-0.023 χ^2/NDF: 912057.5/53



Right In: -1688.684+/-727.215 χ^2/NDF: 23.6/24

Left Out: -720.705+/-346.376 χ^2/NDF:38.3/24

Right Out: -988.956+/-731.785 χ^2/NDF: 25.9/30

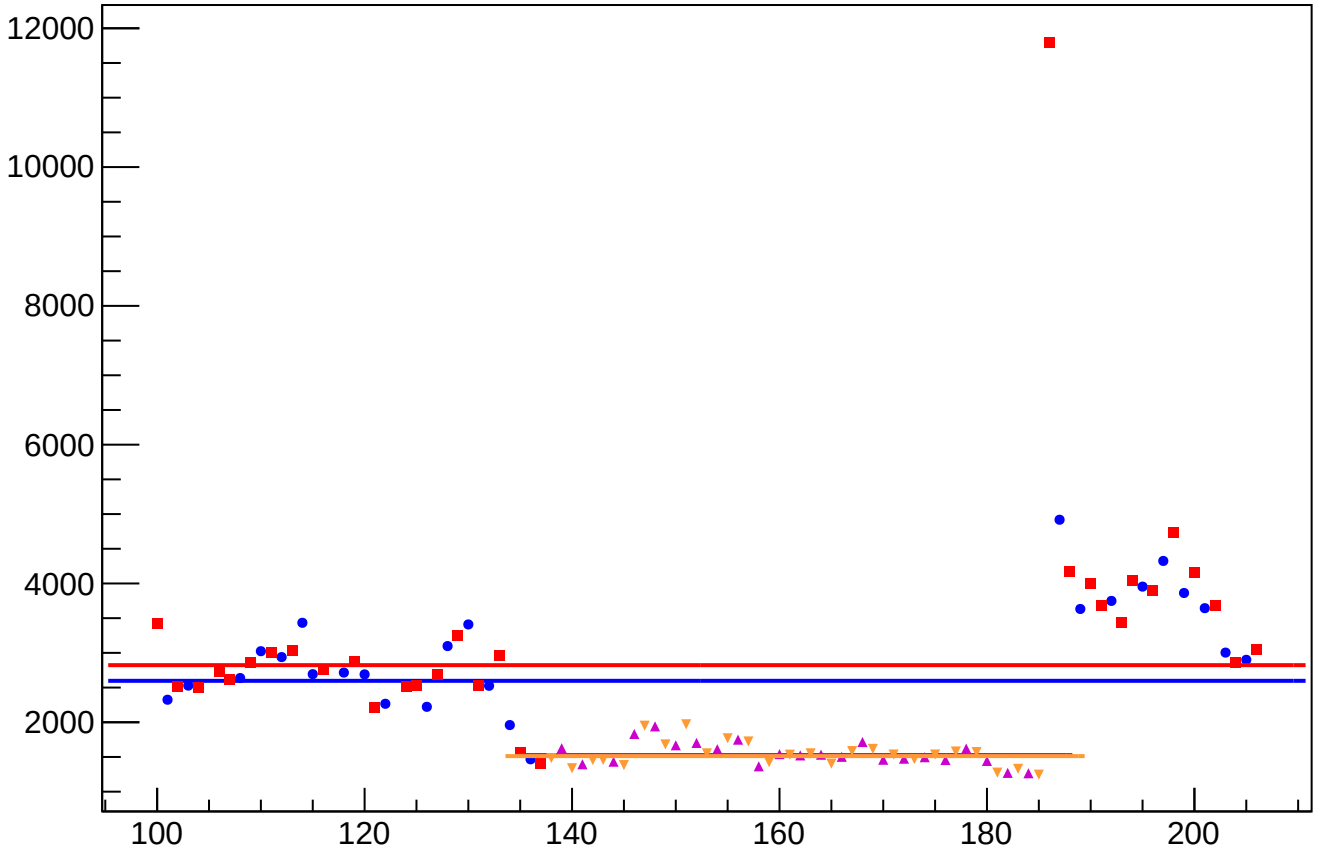
Left In: 39.275+/-359.265 χ^2/NDF:34.4/22

+ sign -899.699+/-312.715 χ^2/NDF: 63.3/49

All: -541.442+/-224.501 χ^2/NDF: 127.8/103

- sign -160.423+/-322.496 χ^2/NDF: 61.9/53

asym_sam_26_dd_eigen_cor_correction_rms vs Slug



Right In: 2597.078+/-0.514 χ^2/NDF: 2510978.7/24

Left Out: 1512.365+/-0.245 χ^2/NDF:442559.1/24

Right Out: 2822.962+/-0.517 χ^2/NDF: 2901902.9/30

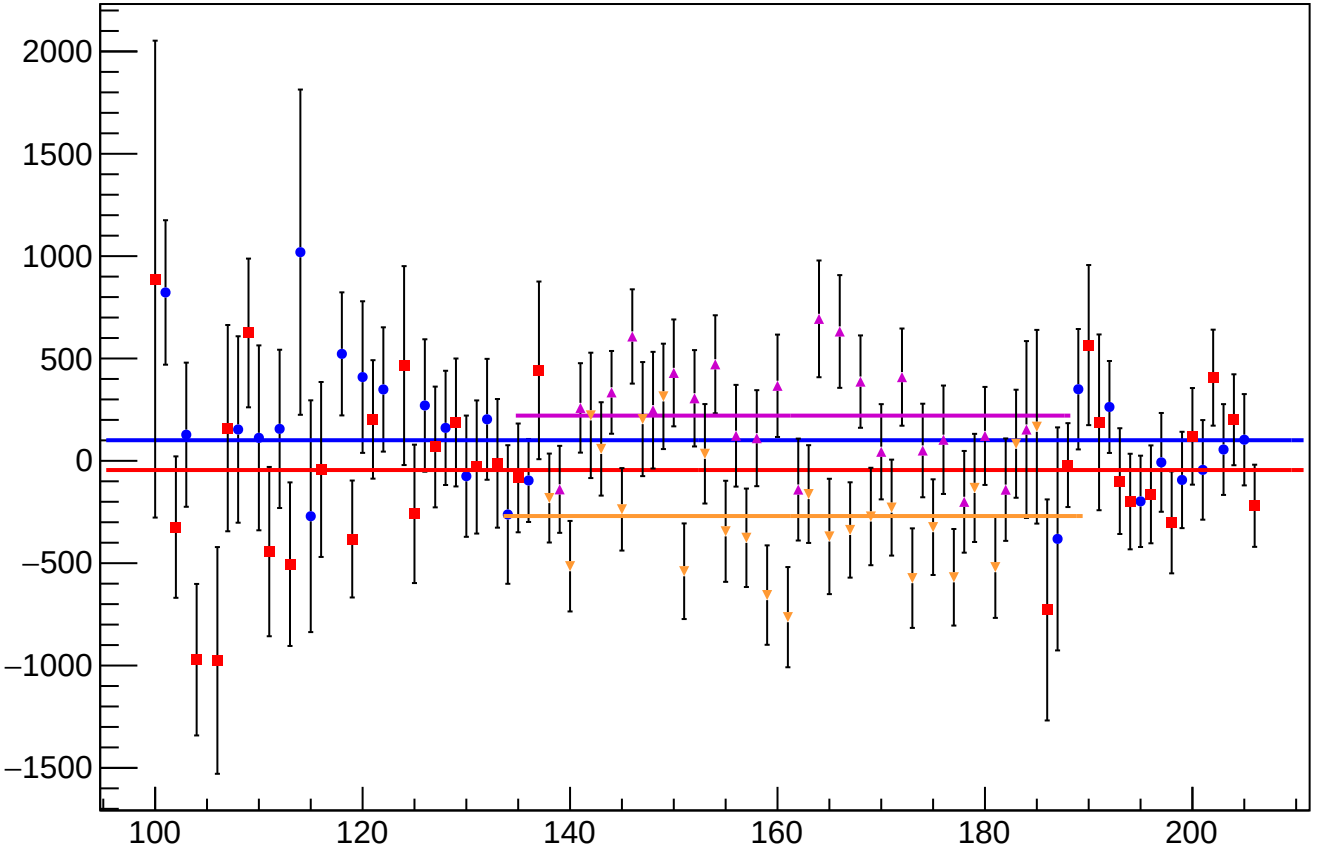
Left In: 1527.964+/-0.254 χ^2/NDF:373845.3/22

+ sign 1712.945+/-0.221 χ^2/NDF: 6580448.4/49

All: 1745.184+/-0.159 χ^2/NDF: 14946914.7/1

- sign 1779.472+/-0.228 χ^2/NDF: 8322600.5/53

dit_asym_sam_26_dd_mean vs Slug



Right In: 100.713+/-58.505 χ^2/NDF: 17.3/24

Left Out: -269.678+/-49.158 χ^2/NDF:31.5/24

Right Out: -44.949+/-54.705 χ^2/NDF: 34.1/30

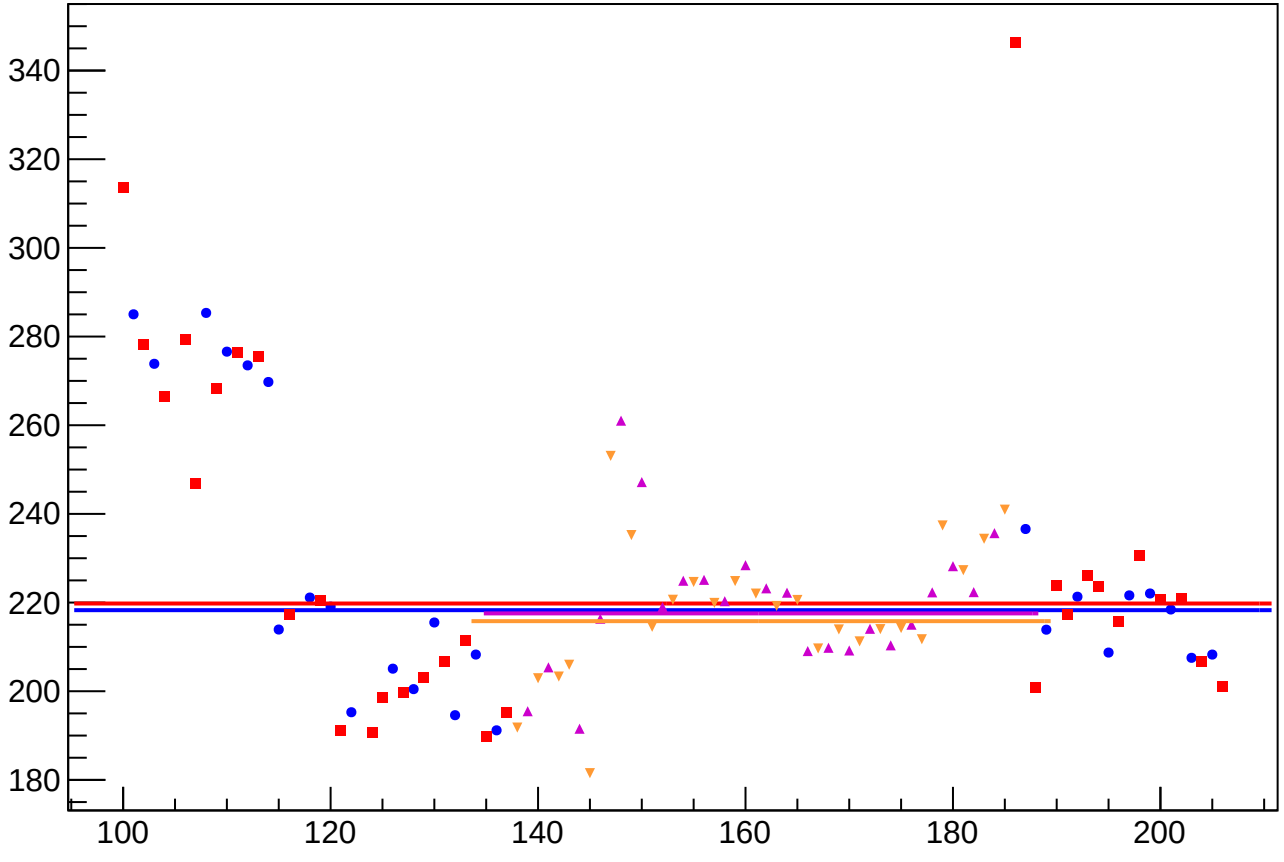
Left In: 220.926+/-50.956 χ^2/NDF:23.4/22

+ sign -116.399+/-37.636 χ^2/NDF: 72.3/49

All: -8.496+/-26.488 χ^2/NDF: 158.7/103

- sign 97.411+/-37.286 χ^2/NDF: 70.1/53

dit_asym_sam_26_dd_rms vs Slug



Right In: 218.284+/-0.041 χ^2/NDF: 337433.2/24

Left Out: 215.807+/-0.035 χ^2/NDF:188699.2/24

Right Out: 219.786+/-0.039 χ^2/NDF: 487299.2/30

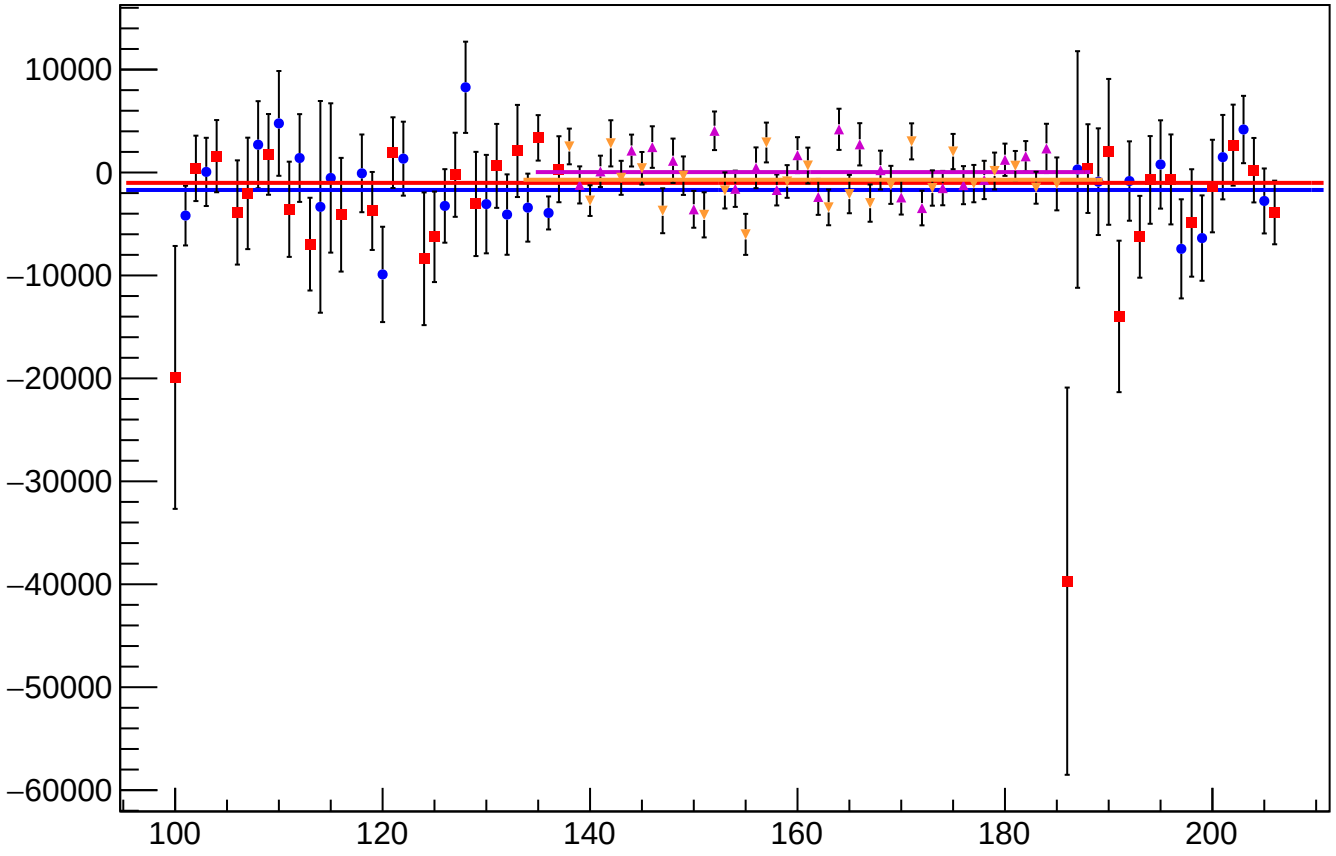
Left In: 217.555+/-0.036 χ^2/NDF:161066.4/22

+ sign 216.832+/-0.027 χ^2/NDF: 528235.1/49

All: 217.720+/-0.019 χ^2/NDF: 1180588.8/103

- sign 218.591+/-0.026 χ^2/NDF: 650147.6/53

asym_sam_26_dd_dit_correction_mean vs Slug



Right In: -1697.510+/-740.771 χ^2/NDF: 23.3/24

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

Right Out: -1007.145+/-741.571 χ^2/NDF: 26.9/30

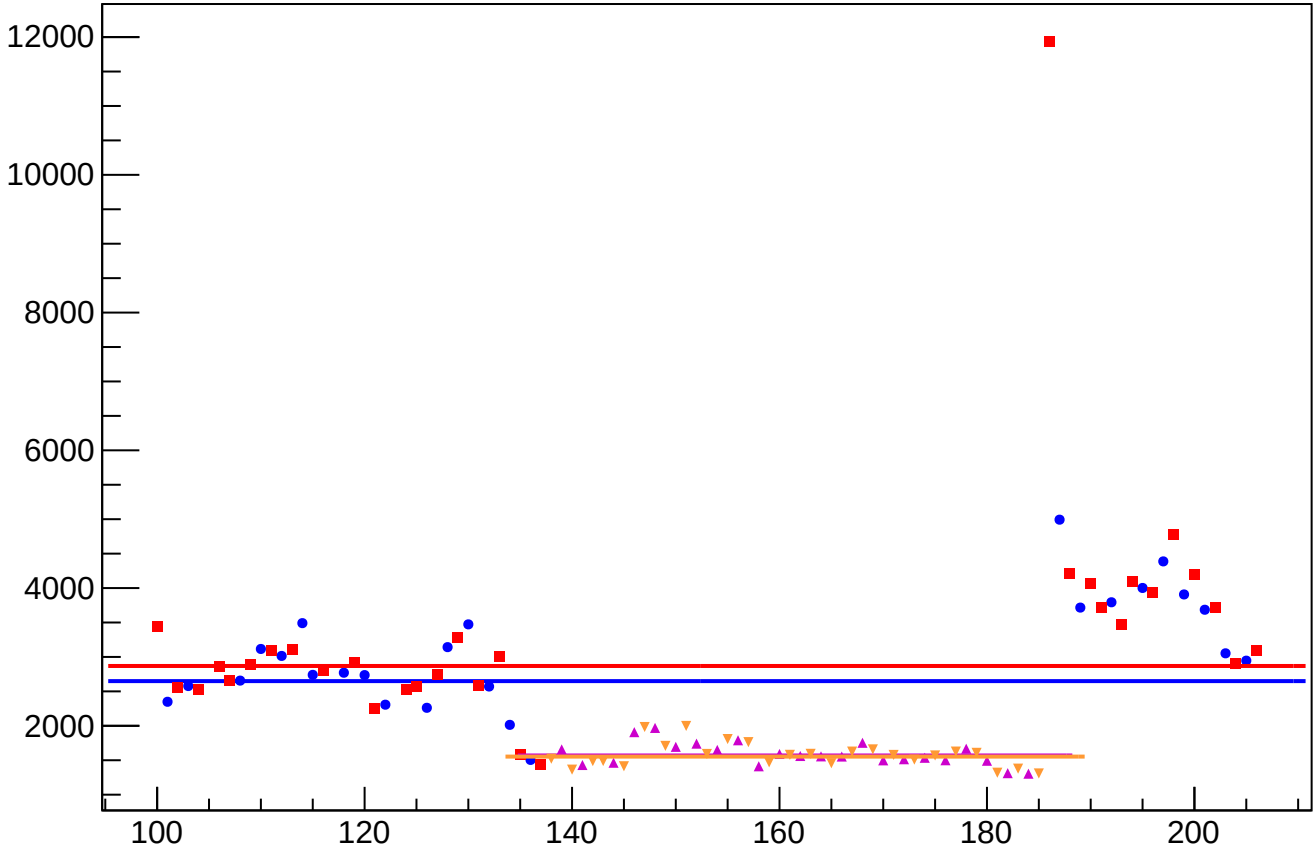
Left In: 39.658+/-368.873 χ^2/NDF:34.3/22

+ sign -889.959+/-320.475 χ^2/NDF: 62.4/49

All: -539.832+/-229.995 χ^2/NDF: 127.7/103

- sign -167.976+/-330.270 χ^2/NDF: 62.8/53

asym_sam_26_dd_dit_correction_rms vs Slug



Right In: 2649.048+/-0.524 χ^2/NDF: 2452724.9/24

Left Out: 1553.019+/-0.251 χ^2/NDF:409933.8/24

Right Out: 2868.782+/-0.524 χ^2/NDF: 2860255.1/30

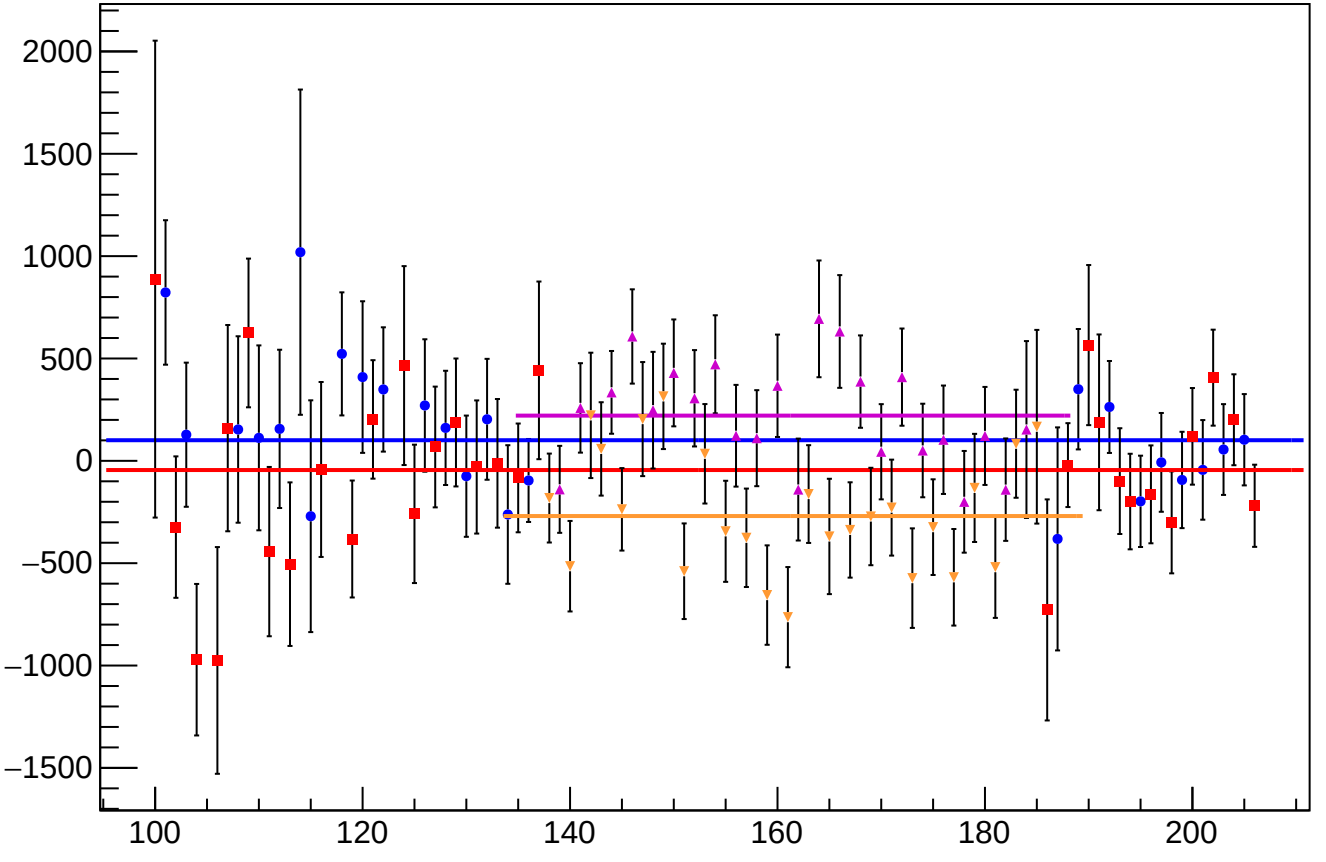
Left In: 1569.383+/-0.261 χ^2/NDF:357481.9/22

+ sign 1758.156+/-0.227 χ^2/NDF: 6421499.8/49

All: 1791.600+/-0.163 χ^2/NDF: 14606740.1/1

- sign 1827.120+/-0.234 χ^2/NDF: 8140326.0/53

eigen_dit_asym_sam_26_dd_mean vs Slug



Right In: 100.716+/-58.504 χ^2/NDF: 17.3/24

Left Out: -269.680+/-49.158 χ^2/NDF:31.5/24

Right Out: -44.950+/-54.705 χ^2/NDF: 34.1/30

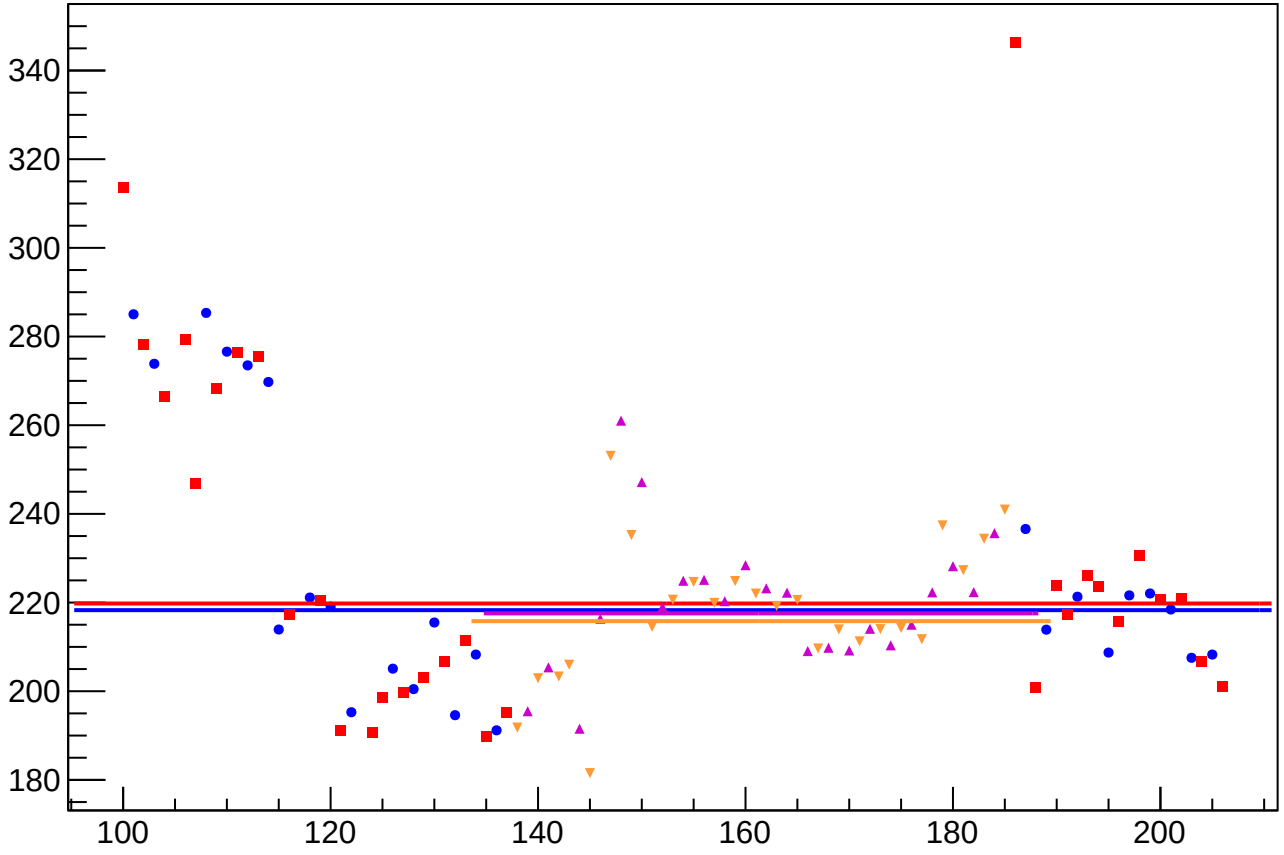
Left In: 220.927+/-50.956 χ^2/NDF:23.4/22

+ sign -116.398+/-37.636 χ^2/NDF: 72.3/49

All: -8.496+/-26.488 χ^2/NDF: 158.7/103

- sign 97.411+/-37.286 χ^2/NDF: 70.1/53

eigen_dit_asym_sam_26_dd_rms vs Slug



Right In: 218.284+/-0.041 χ^2/NDF: 337424.2/24

Left Out: 215.806+/-0.035 χ^2/NDF:188703.4/24

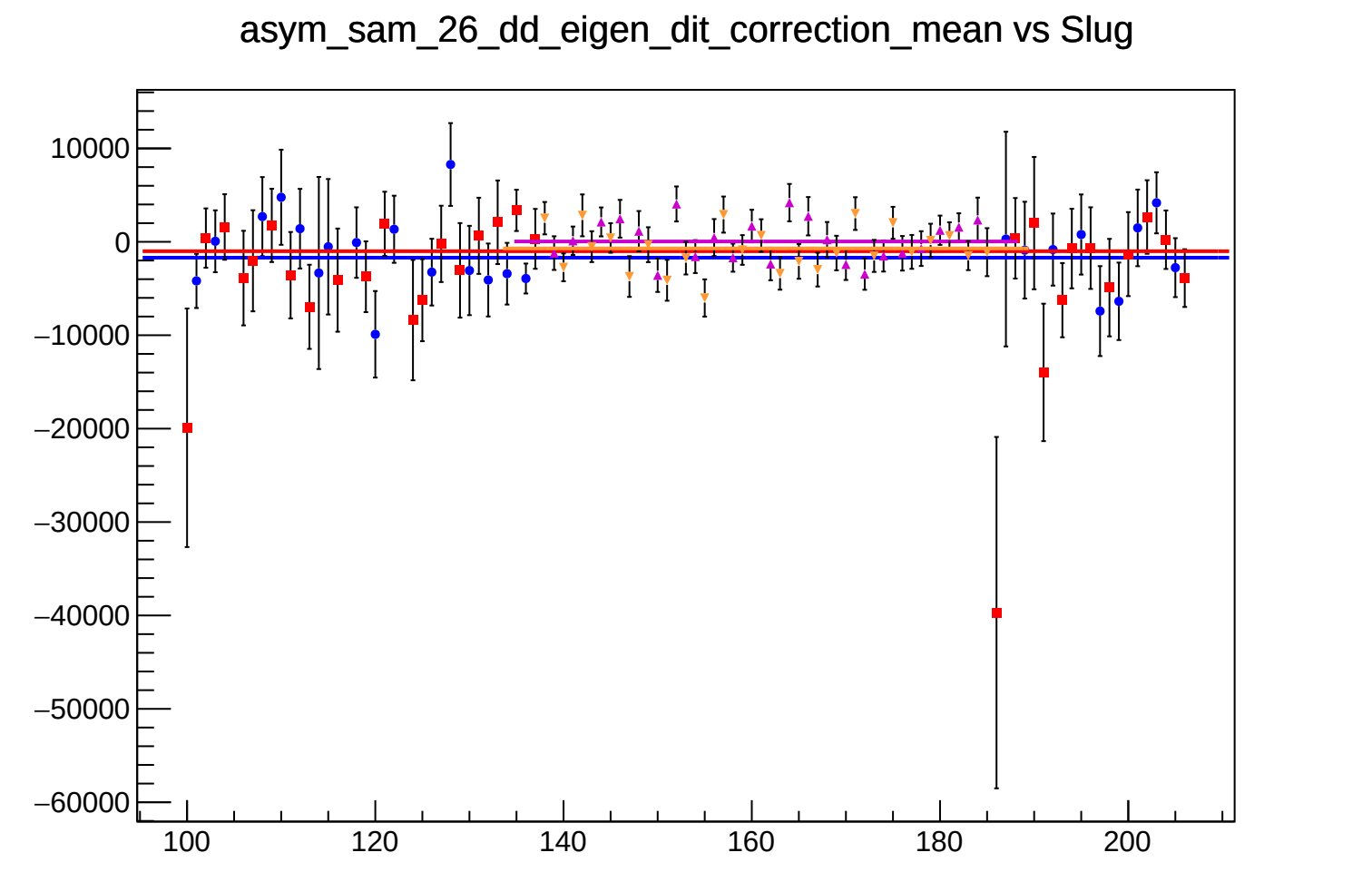
Right Out: 219.786+/-0.039 χ^2/NDF: 487282.1/30

Left In: 217.555+/-0.036 χ^2/NDF:161069.0/22

+ sign 216.832+/-0.027 χ^2/NDF: 528229.5/49

All: 217.720+/-0.019 χ^2/NDF: 1180568.3/103

- sign 218.591+/-0.026 χ^2/NDF: 650132.7/53



Right In: -1697.508+/-740.771 χ^2/NDF: 23.3/24

Left Out: -704.012+/-355.462 χ^2/NDF:37.6/24

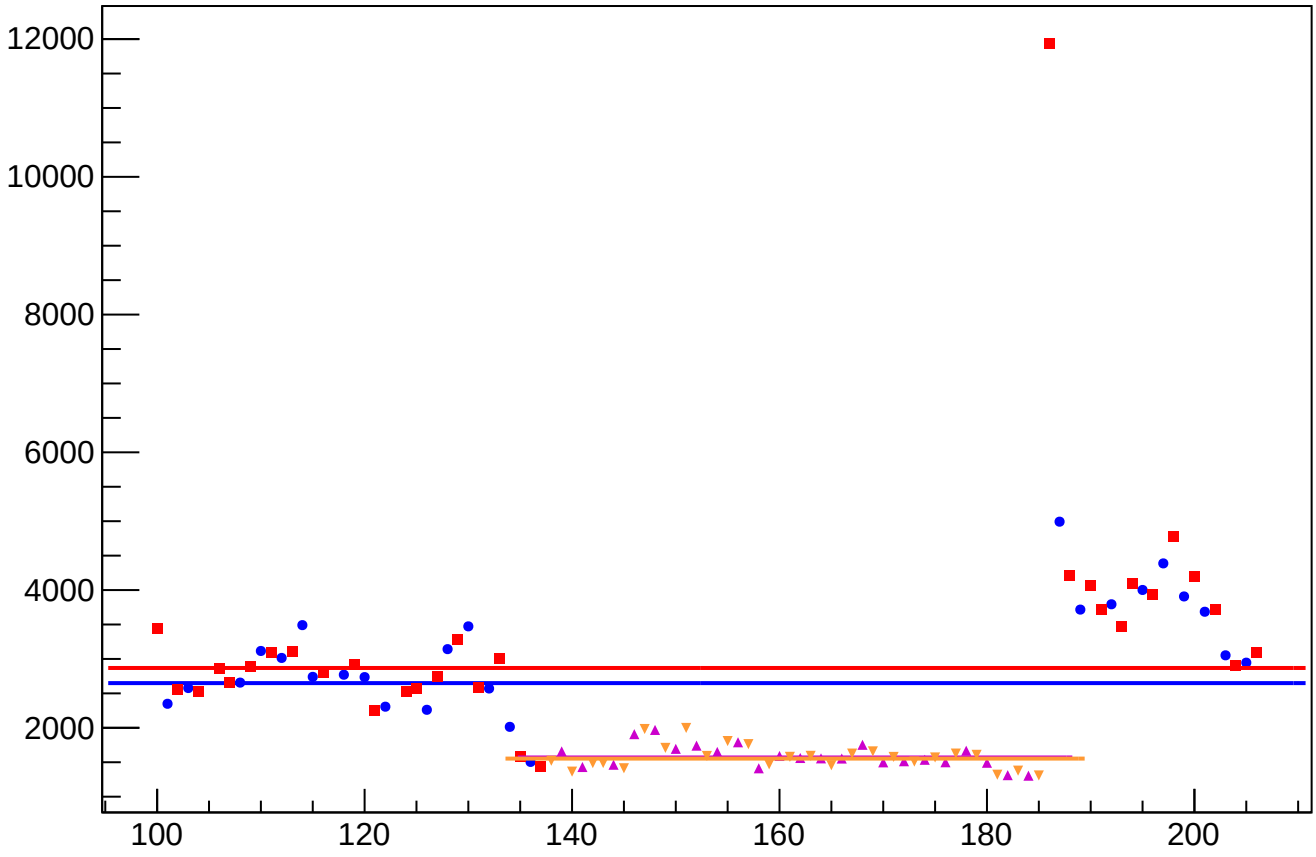
Right Out: -1007.146+/-741.570 χ^2/NDF: 26.9/30

Left In: 39.657+/-368.873 χ^2/NDF:34.3/22

+ sign -889.959+/-320.475 χ^2/NDF: 62.4/49

All: -539.833+/-229.995 χ^2/NDF: 127.7/103

- sign -167.978+/-330.270 χ^2/NDF: 62.8/53



Right In: 2649.045+/-0.524 χ^2/NDF: 2452721.7/24

Left Out: 1553.020+/-0.251 χ^2/NDF:409936.6/24

Right Out: 2868.779+/-0.524 χ^2/NDF: 2860258.0/30

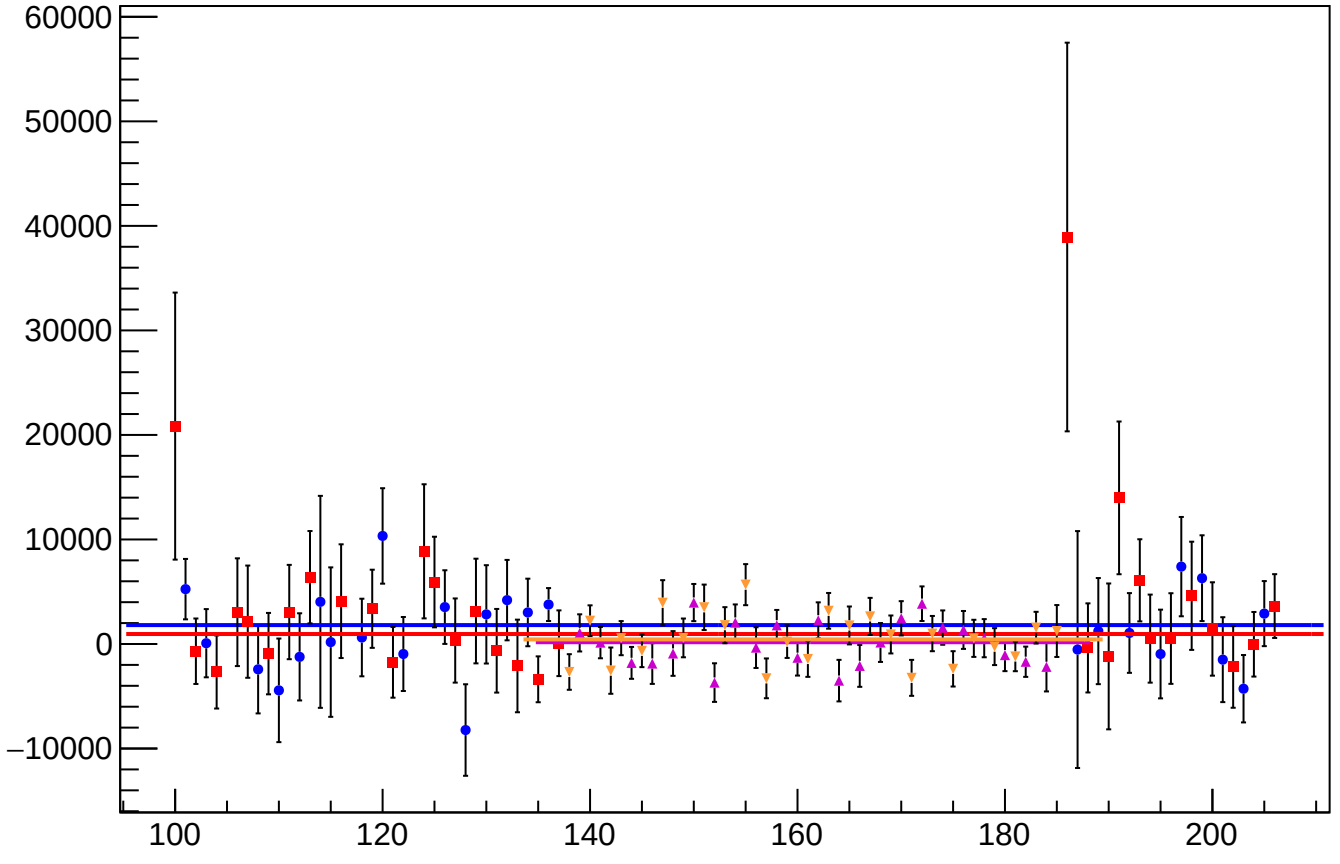
Left In: 1569.383+/-0.261 χ^2/NDF:357484.6/22

+ sign 1758.156+/-0.227 χ^2/NDF: 6421486.2/49

All: 1791.600+/-0.163 χ^2/NDF: 14606716.8/1

- sign 1827.120+/-0.234 χ^2/NDF: 8140316.8/53

asym_sam_26_dd_mean vs Slug



Right In: 1808.055+/-730.013 χ^2/NDF: 24.2/24

Left Out: 437.522+/-349.581 χ^2/NDF:38.9/24

Right Out: 954.465+/-733.365 χ^2/NDF: 26.3/30

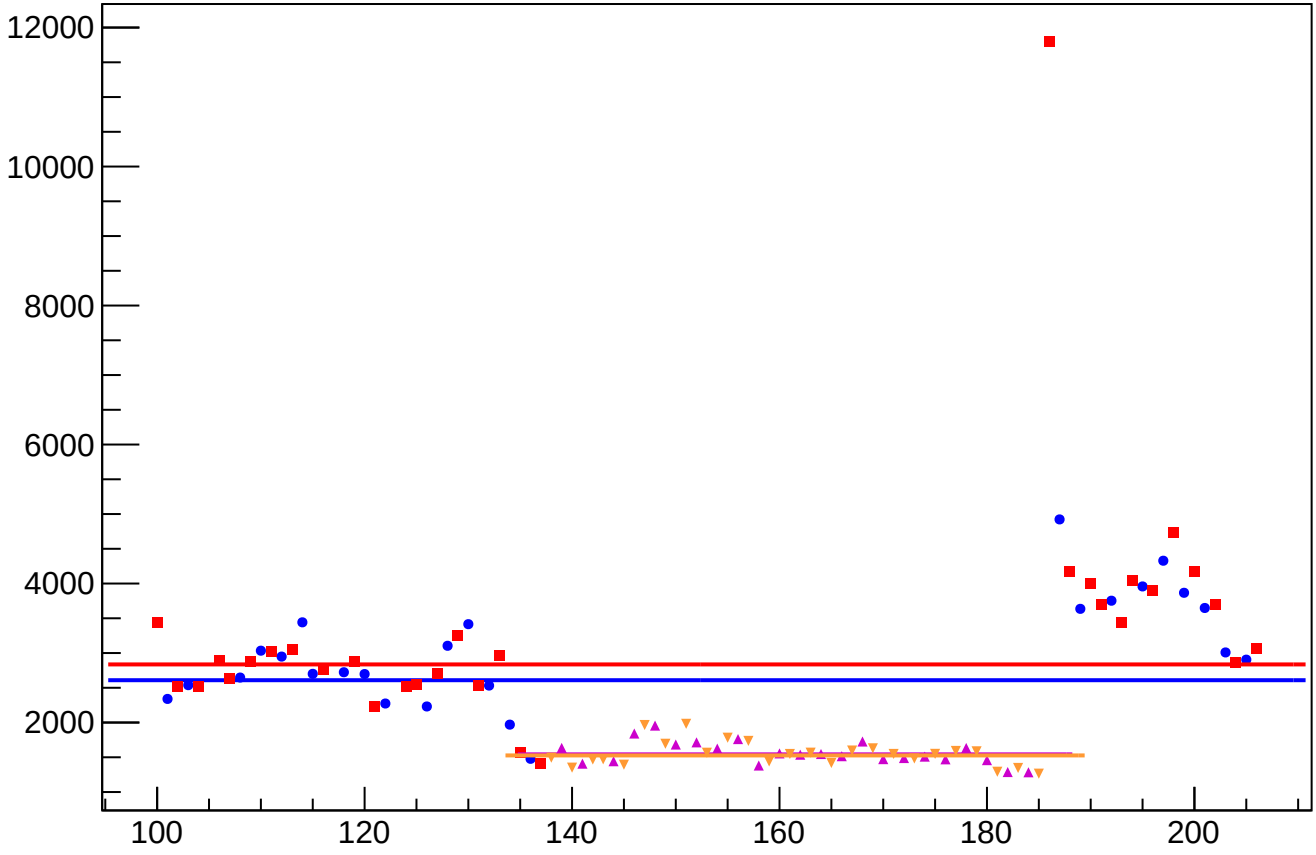
Left In: 169.827+/-362.550 χ^2/NDF:33.0/22

\+ sign 693.181+/-315.294 χ^2/NDF: 65.9/49

All: 514.153+/-226.301 χ^2/NDF: 126.8/103

\- sign 323.929+/-325.004 χ^2/NDF: 60.2/53

asym_sam_26_dd_rms vs Slug



Right In: 2609.012+/-0.516 χ^2/NDF: 2474726.5/24

Left Out: 1526.726+/-0.247 χ^2/NDF:429467.0/24

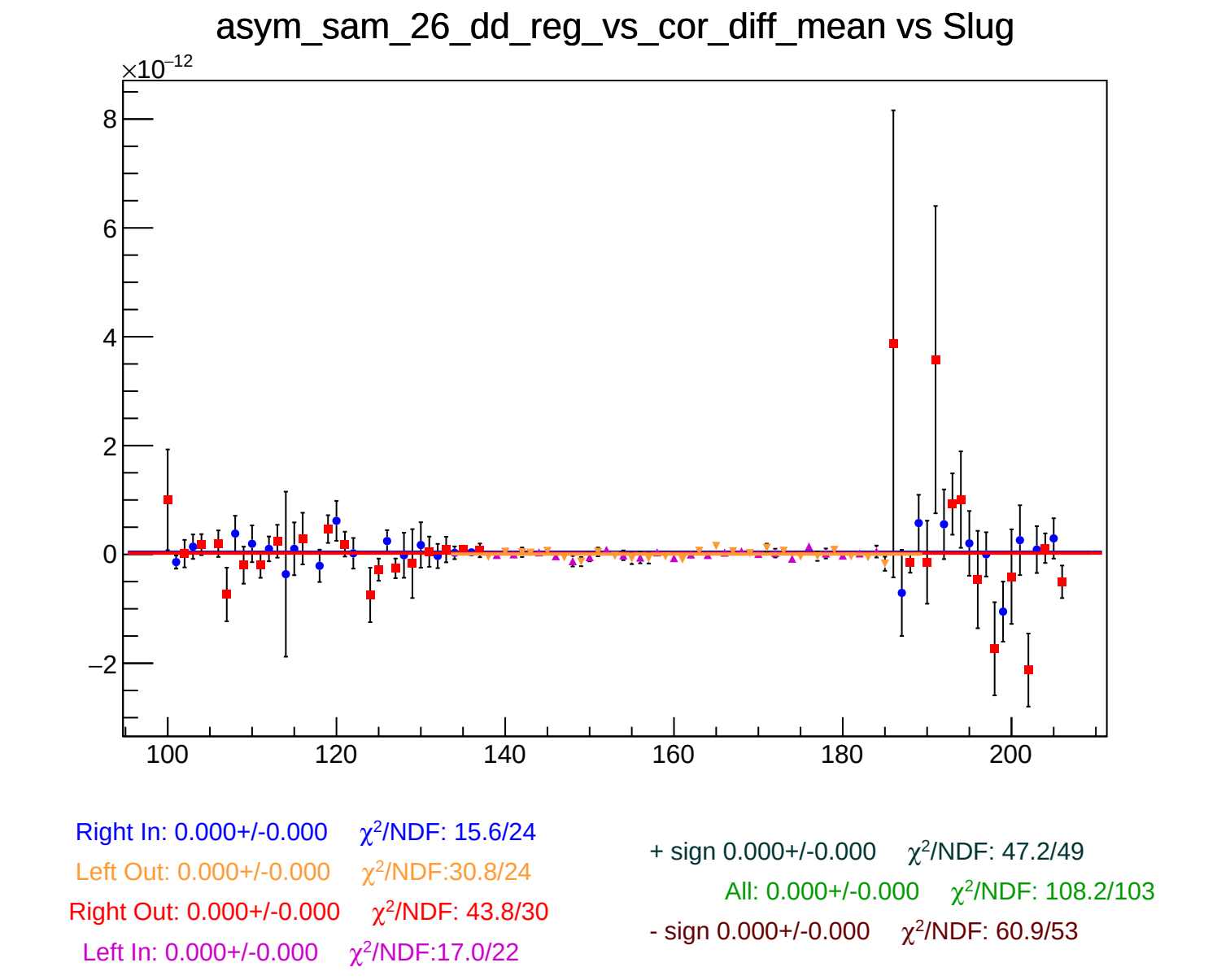
Right Out: 2836.152+/-0.519 χ^2/NDF: 2869681.5/30

Left In: 1542.262+/-0.256 χ^2/NDF:362291.1/22

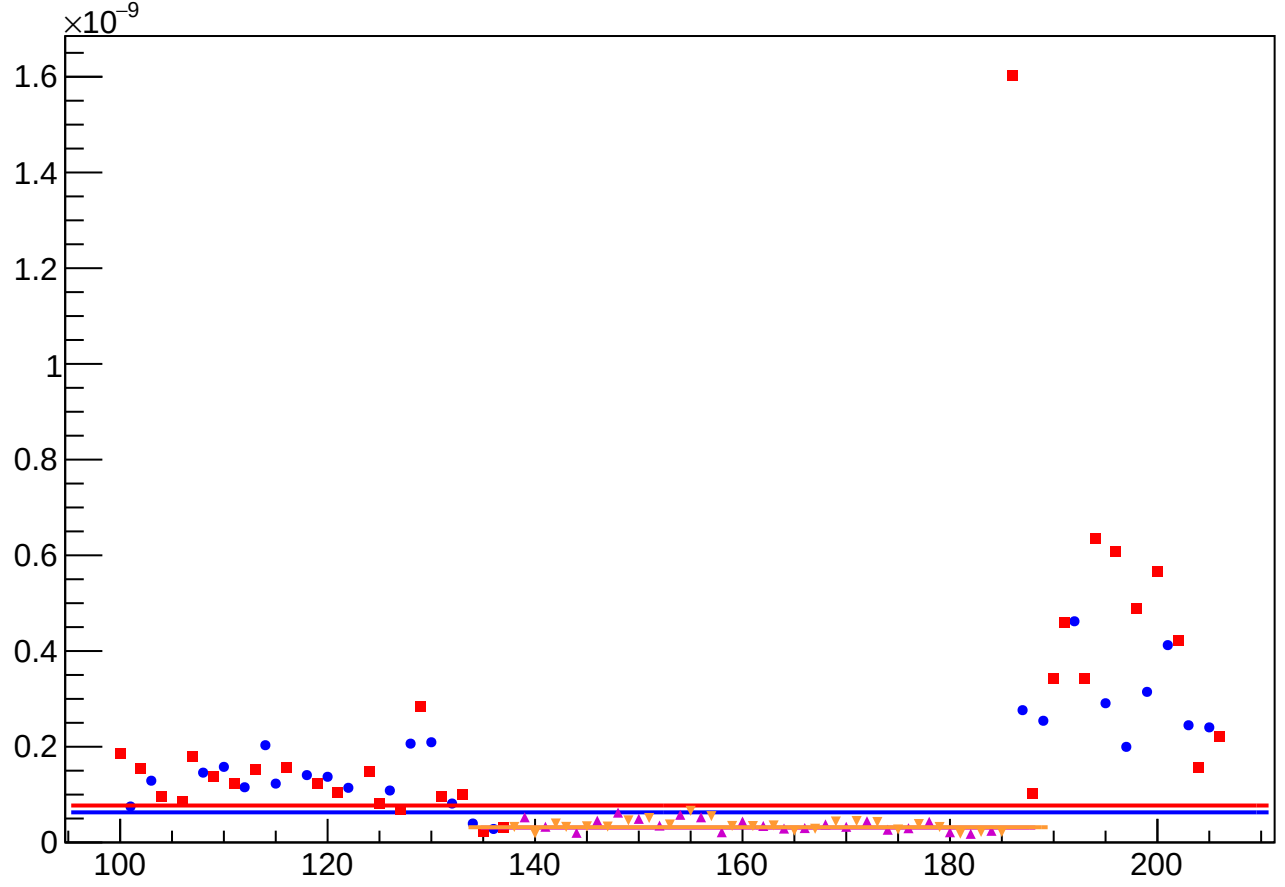
+ sign 1728.615+/-0.223 χ^2/NDF: 6480130.7/49

All: 1761.470+/-0.160 χ^2/NDF: 14759835.2/1

- sign 1796.379+/-0.230 χ^2/NDF: 8234913.1/53


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
Right In: 0.000+/-0.000 χ²/NDF: 15.6/24
Left Out: 0.000+/-0.000 χ²/NDF:30.8/24
Right Out: 0.000+/-0.000 χ²/NDF: 43.8/30
Left In: 0.000+/-0.000 χ²/NDF:17.0/22
+ sign 0.000+/-0.000 χ²/NDF: 47.2/49
All: 0.000+/-0.000 χ²/NDF: 108.2/103
- sign 0.000+/-0.000 χ²/NDF: 60.9/53

asym_sam_26_dd_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 6266059.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1231140.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7440717.8/30

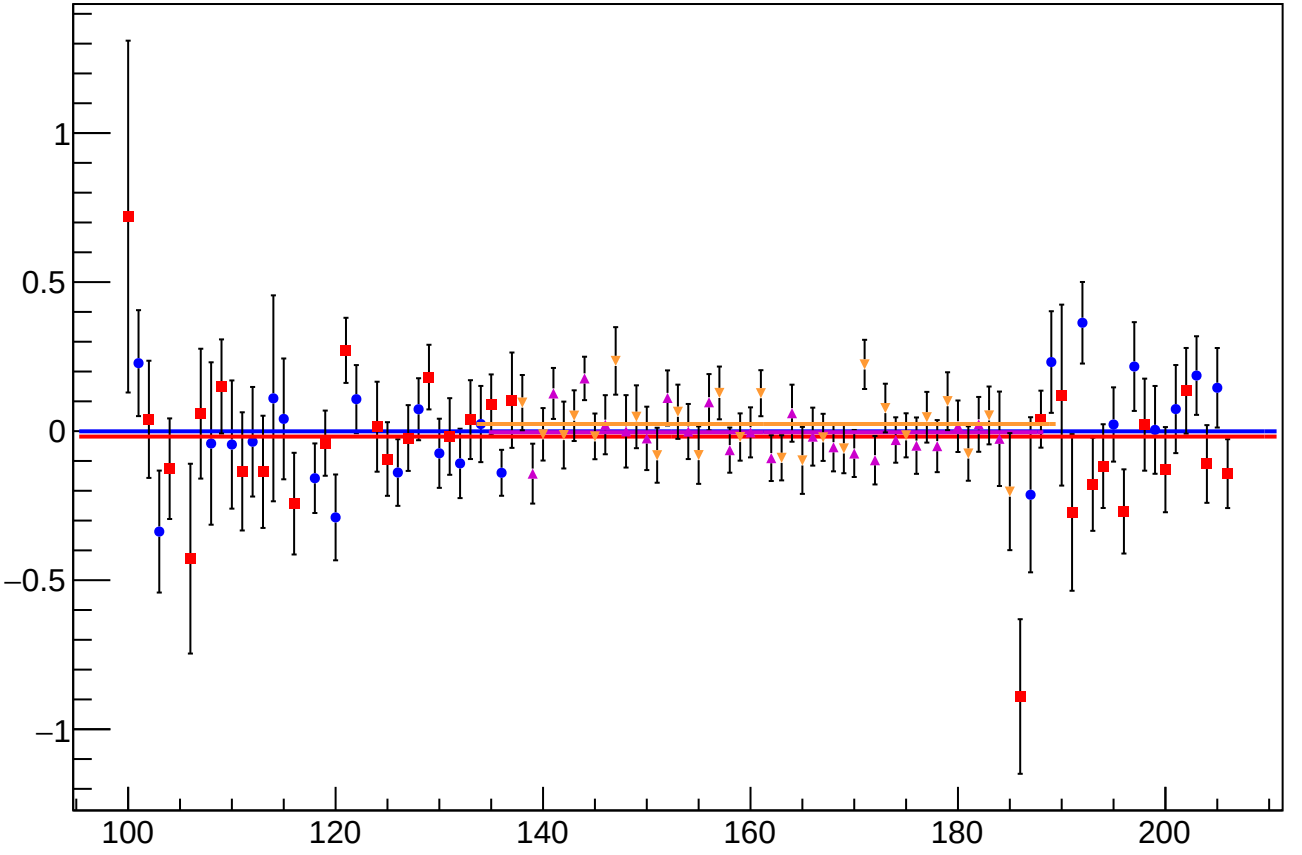
Left In: 0.000+/-0.000 χ^2/NDF:1593815.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 8866781.9/49

All: 0.000+/-0.000 χ^2/NDF: 20228697.6/103

- sign 0.000+/-0.000 χ^2/NDF: 11361887.2/53

asym_sam_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

Right Out: -0.018+/-0.026 χ^2/NDF: 41.2/30

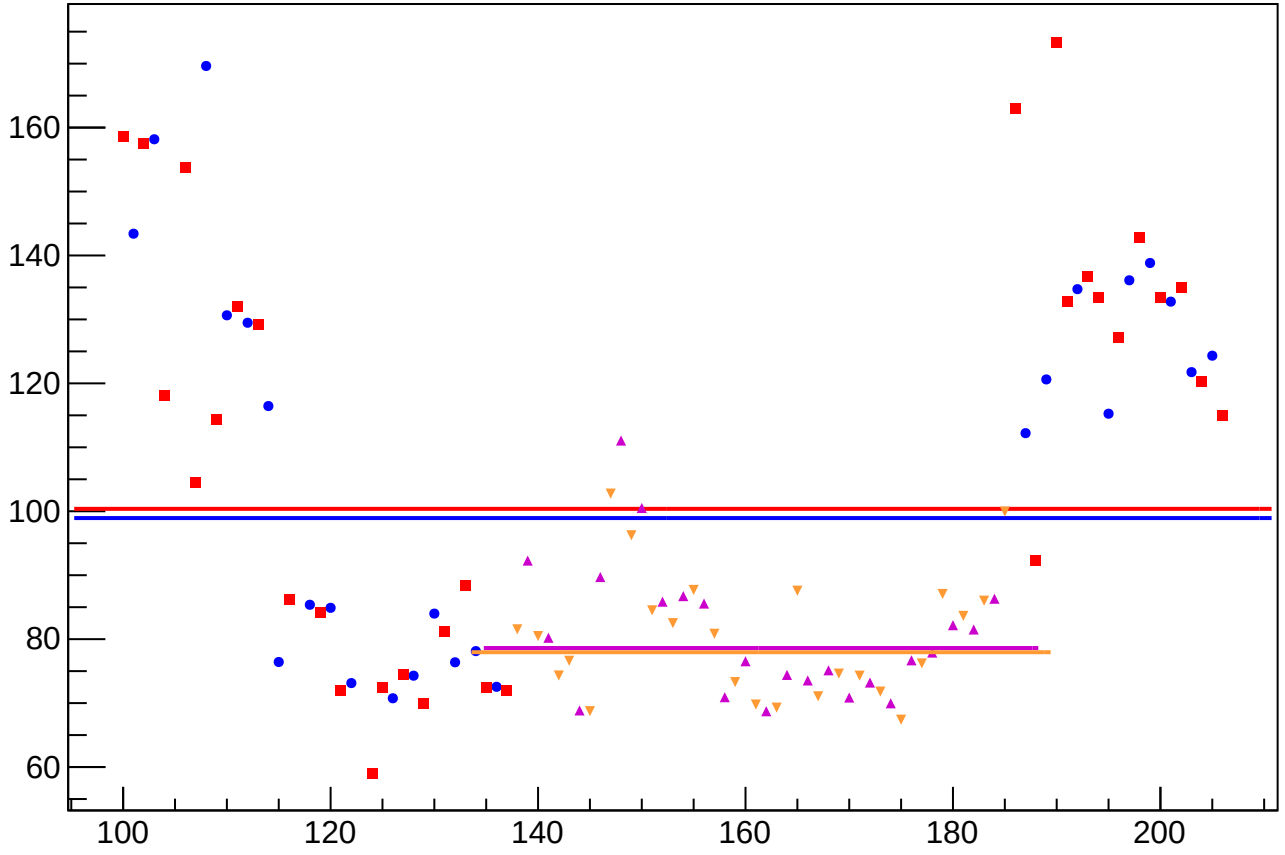
Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.017+/-0.015 χ^2/NDF: 59.3/49

All: 0.004+/-0.011 χ^2/NDF: 120.9/103

- sign -0.009+/-0.015 χ^2/NDF: 60.3/53

asym_sam_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 98.935+/-0.019 χ^2/NDF: 2056523.8/24

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

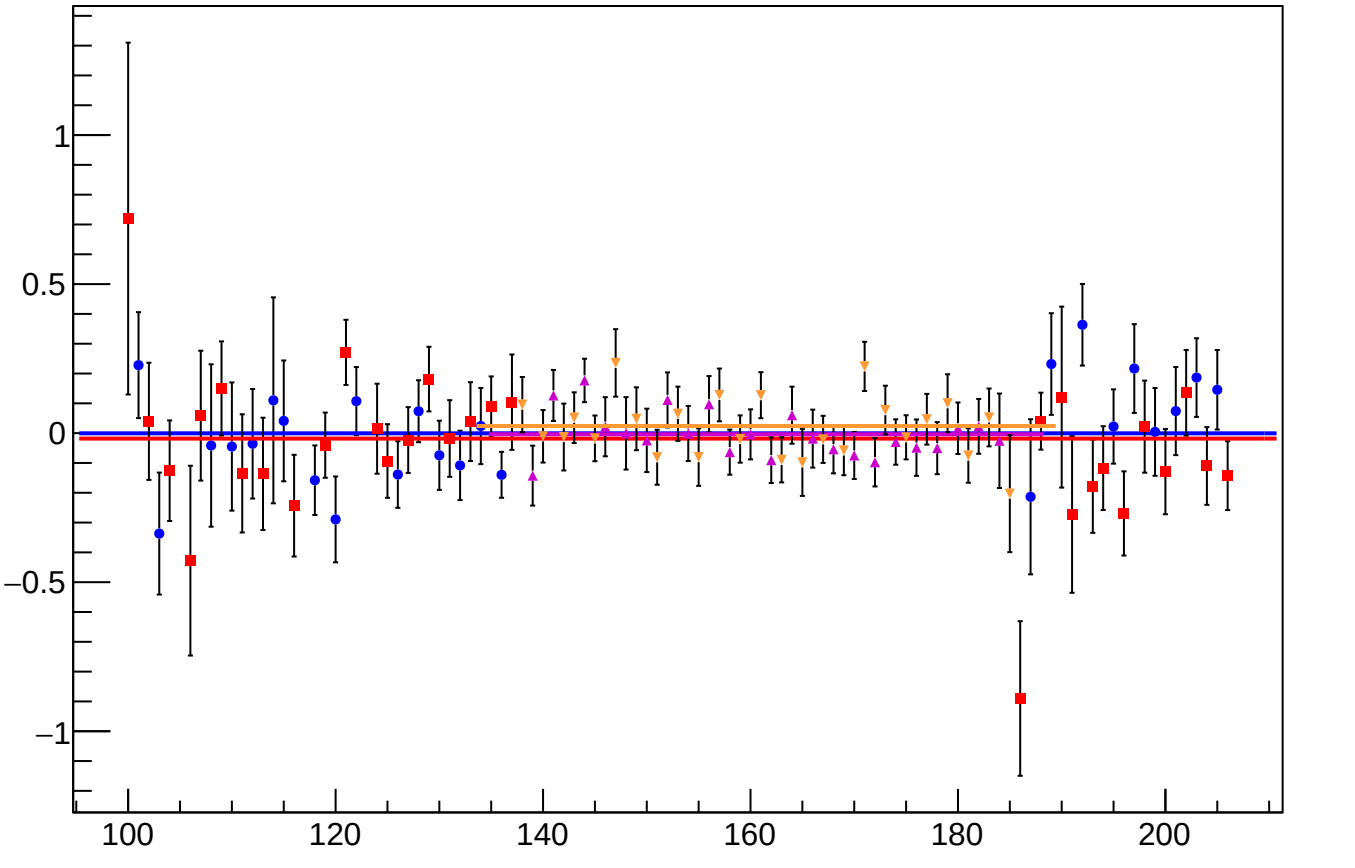
Right Out: 100.378+/-0.018 χ^2/NDF: 2388716.5/30

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 84.168+/-0.011 χ^2/NDF: 3313456.9/49

All: 85.068+/-0.008 χ^2/NDF: 7145041.4/103

- sign 85.983+/-0.011 χ^2/NDF: 3817018.6/53



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

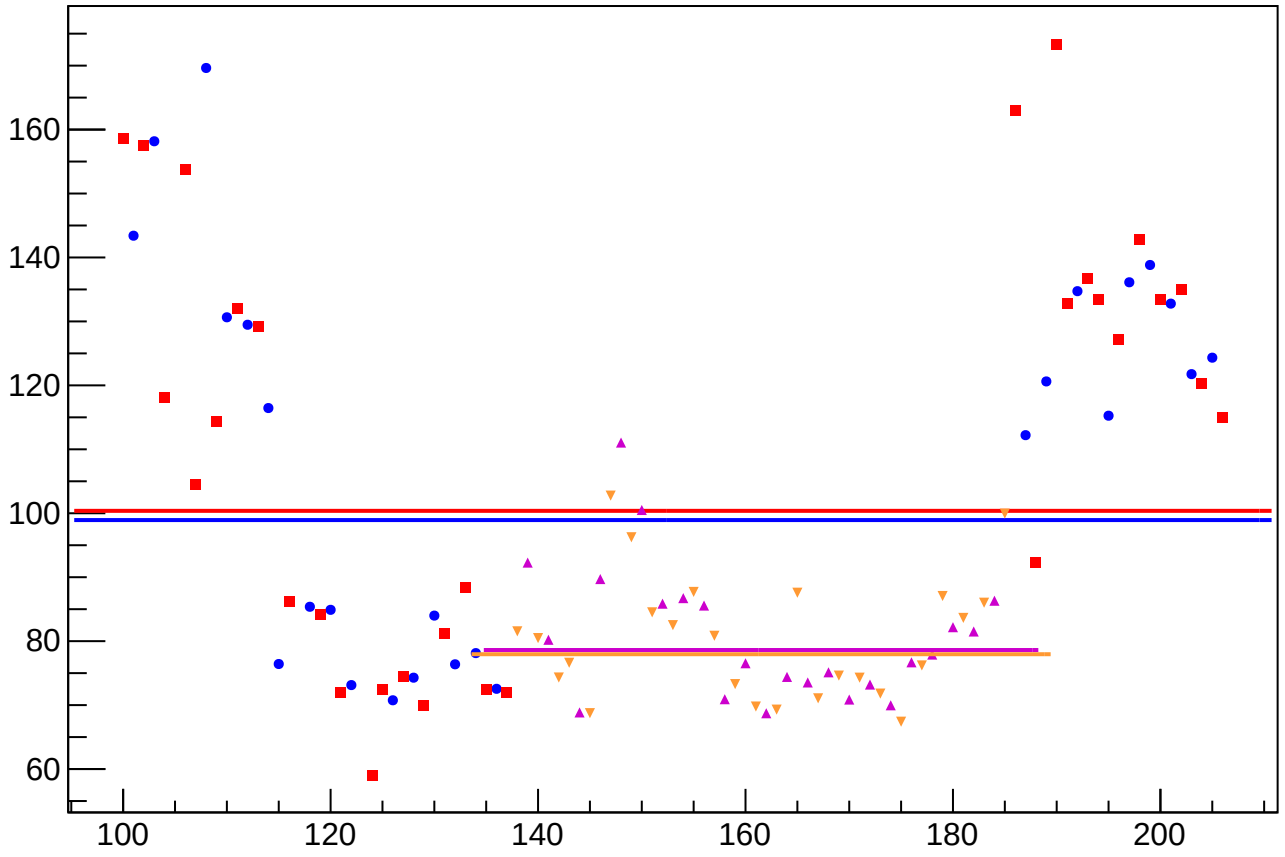
Right Out: -0.018+/-0.026 χ^2/NDF: 41.2/30

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.017+/-0.015 χ^2/NDF: 59.3/49

All: 0.004+/-0.011 χ^2/NDF: 120.9/103

- sign -0.009+/-0.015 χ^2/NDF: 60.3/53



Right In: 98.935+/-0.019 χ^2/NDF: 2056523.8/24

Left Out: 77.957+/-0.013 χ^2/NDF:439703.9/24

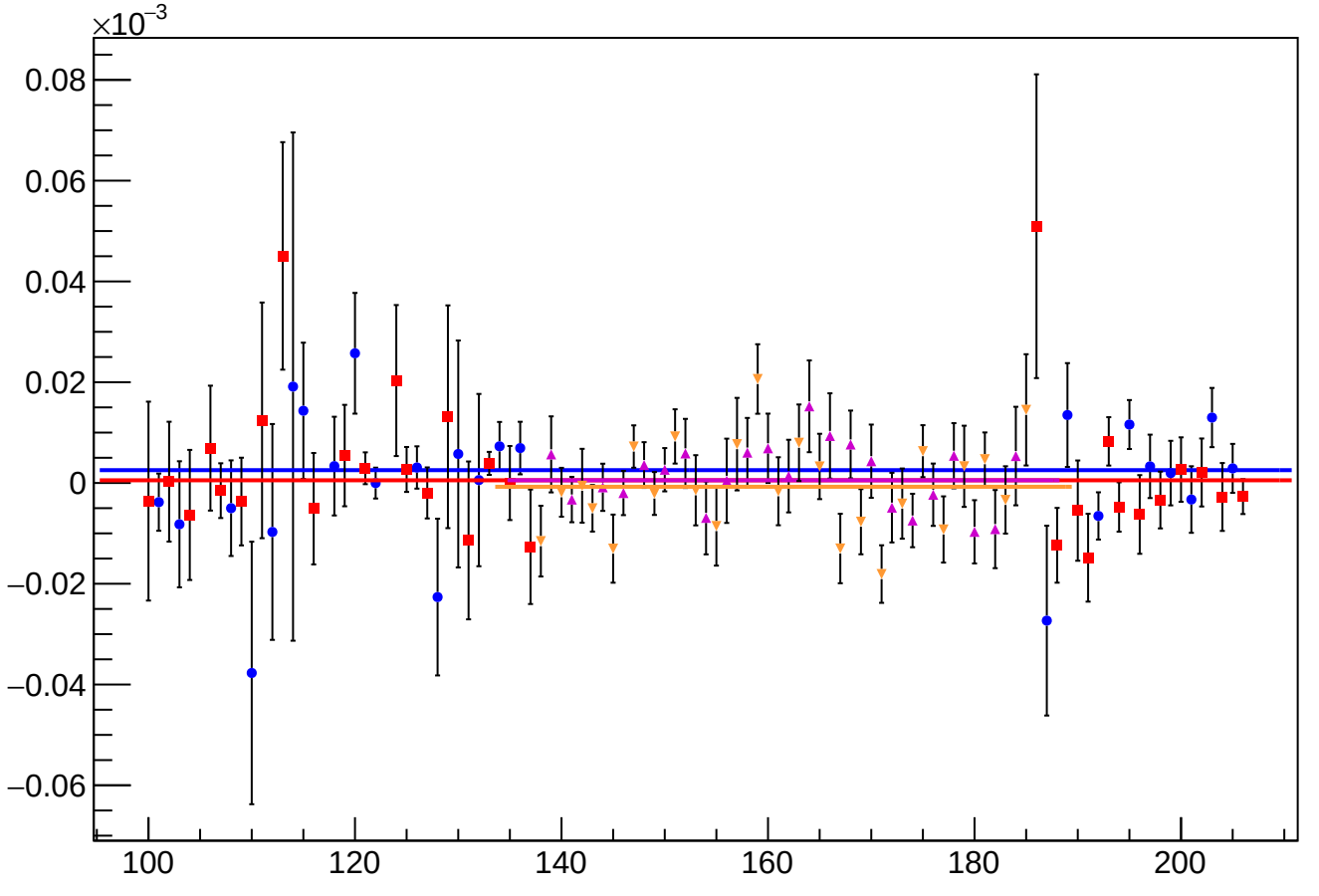
Right Out: 100.378+/-0.018 χ^2/NDF: 2388716.5/30

Left In: 78.615+/-0.013 χ^2/NDF:497808.4/22

+ sign 84.168+/-0.011 χ^2/NDF: 3313456.9/49

All: 85.068+/-0.008 χ^2/NDF: 7145041.4/103

- sign 85.983+/-0.011 χ^2/NDF: 3817018.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 29.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:47.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/30

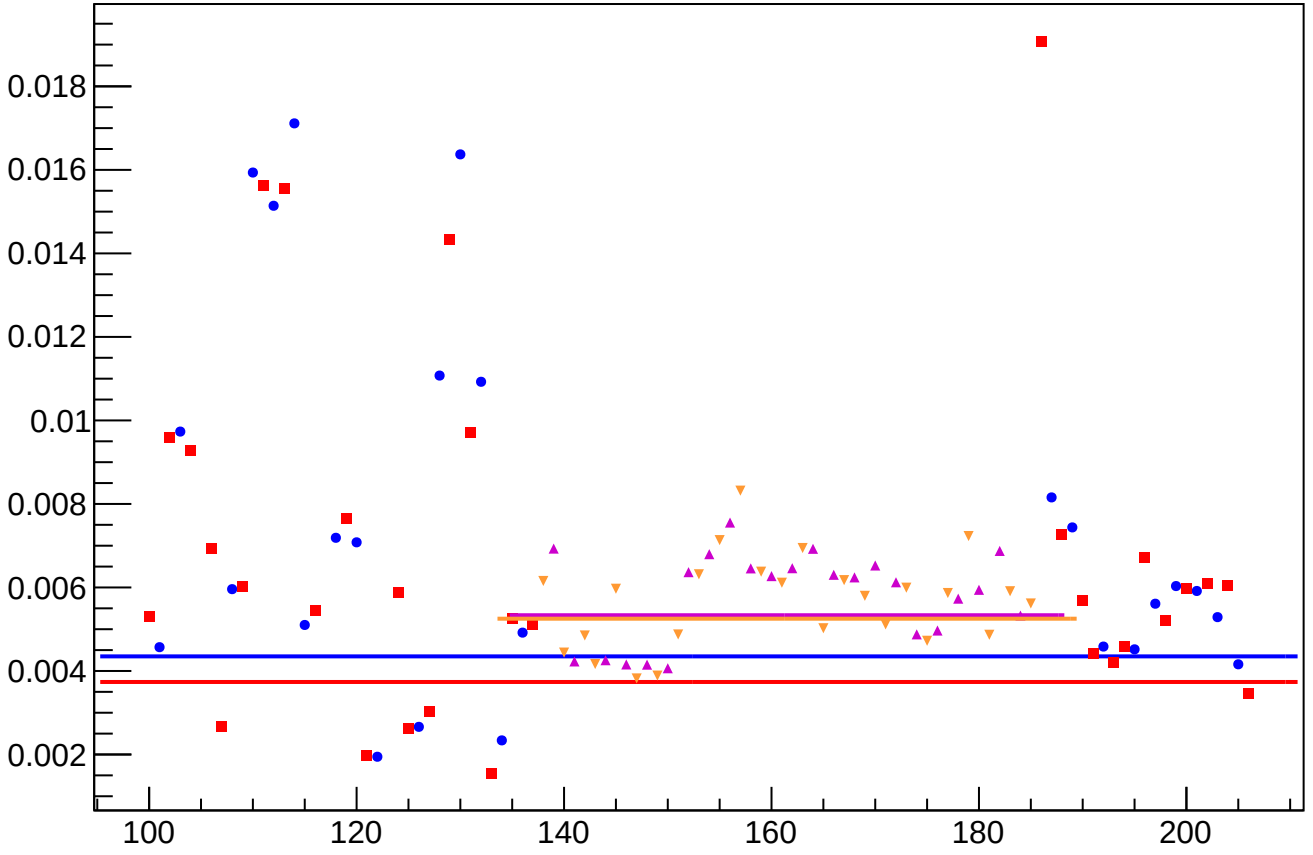
Left In: 0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 80.7/49

All: 0.000+/-0.000 χ^2/NDF: 127.8/103

- sign 0.000+/-0.000 χ^2/NDF: 47.0/53

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.004+/-0.000 χ^2/NDF: 5558528.8/24

Left Out: 0.005+/-0.000 χ^2/NDF:1511867.7/24

Right Out: 0.004+/-0.000 χ^2/NDF: 8460204.3/30

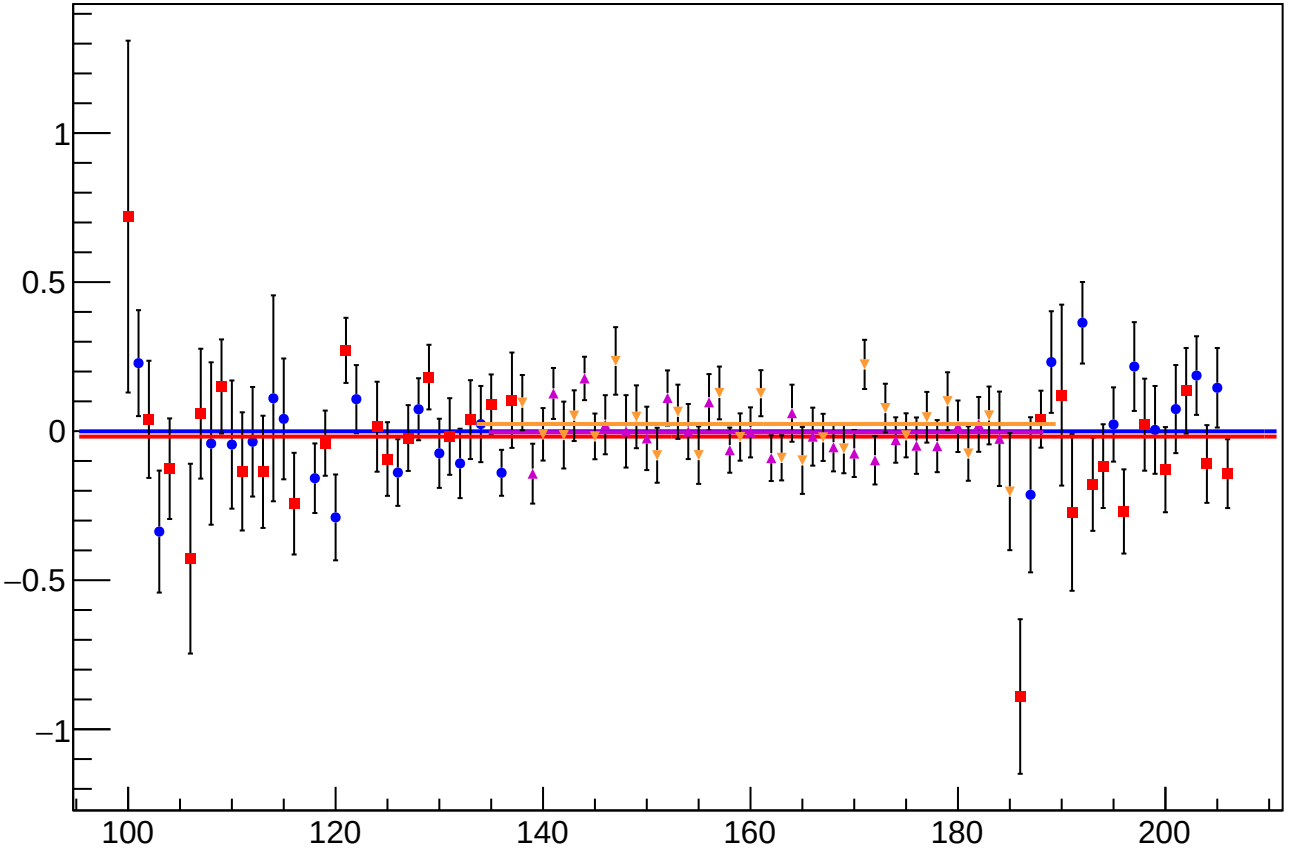
Left In: 0.005+/-0.000 χ^2/NDF:1508187.9/22

+ sign 0.005+/-0.000 χ^2/NDF: 7571684.5/49

All: 0.005+/-0.000 χ^2/NDF: 19581665.5/103

- sign 0.004+/-0.000 χ^2/NDF: 11768731.2/53

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

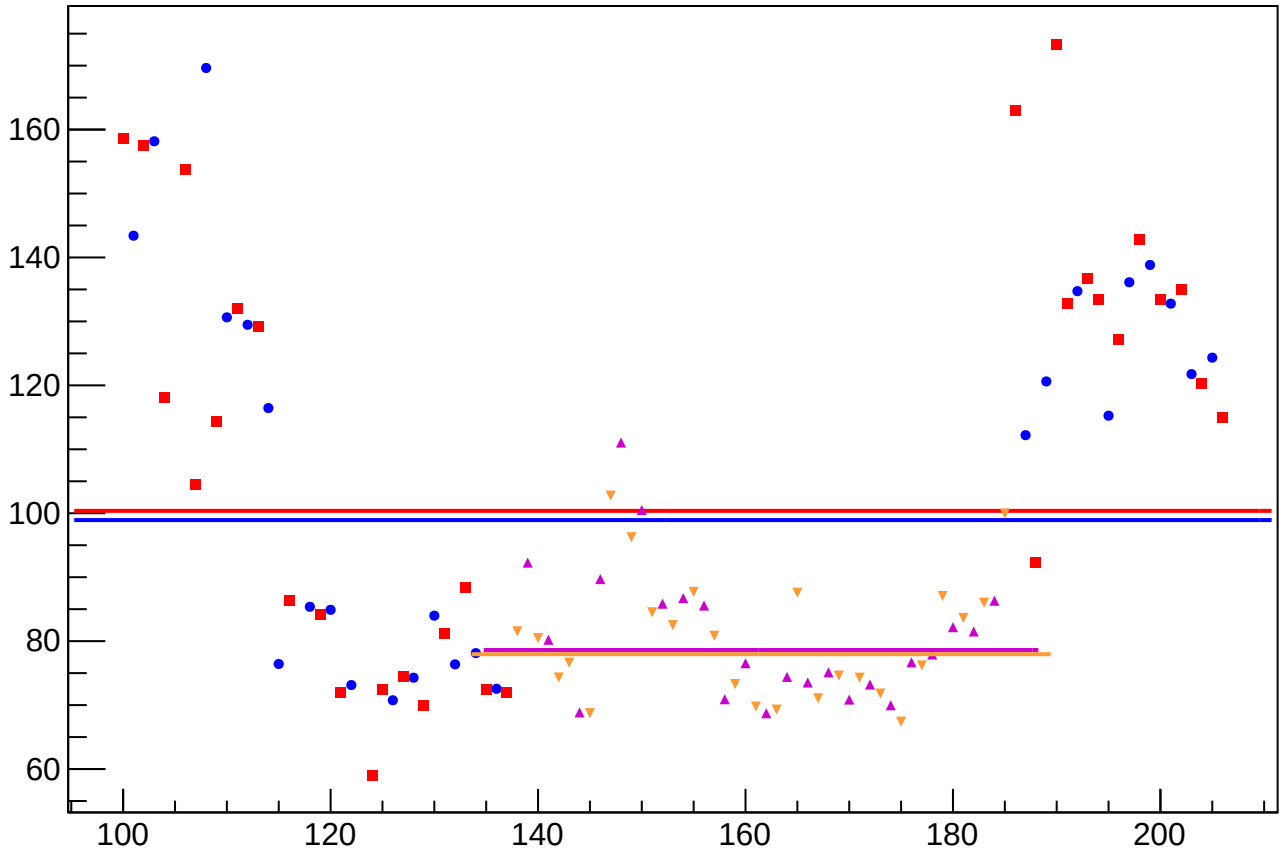
Right Out: -0.018+/-0.026 χ^2/NDF: 41.2/30

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.017+/-0.015 χ^2/NDF: 59.3/49

All: 0.004+/-0.011 χ^2/NDF: 120.9/103

- sign -0.009+/-0.015 χ^2/NDF: 60.3/53



Right In: 98.933+/-0.019 χ^2/NDF: 2056639.6/24

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

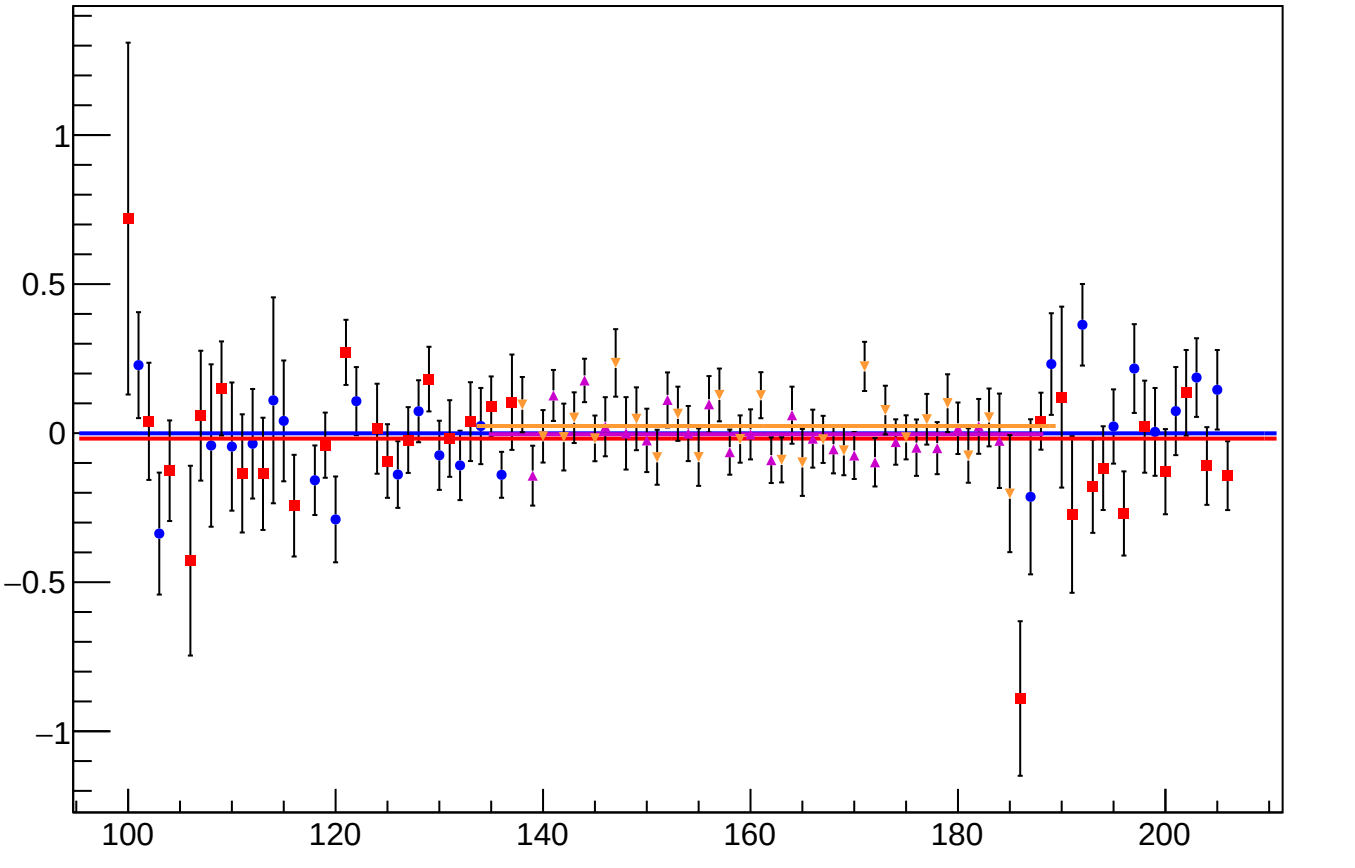
Right Out: 100.376+/-0.018 χ^2/NDF: 2388818.0/30

Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

\+ sign 84.167+/-0.011 χ^2/NDF: 3313498.7/49

All: 85.067+/-0.008 χ^2/NDF: 7145145.3/103

\- sign 85.982+/-0.011 χ^2/NDF: 3817083.7/53



Right In: -0.001+/-0.028 χ^2/NDF: 33.2/24

Left Out: 0.024+/-0.018 χ^2/NDF:25.5/24

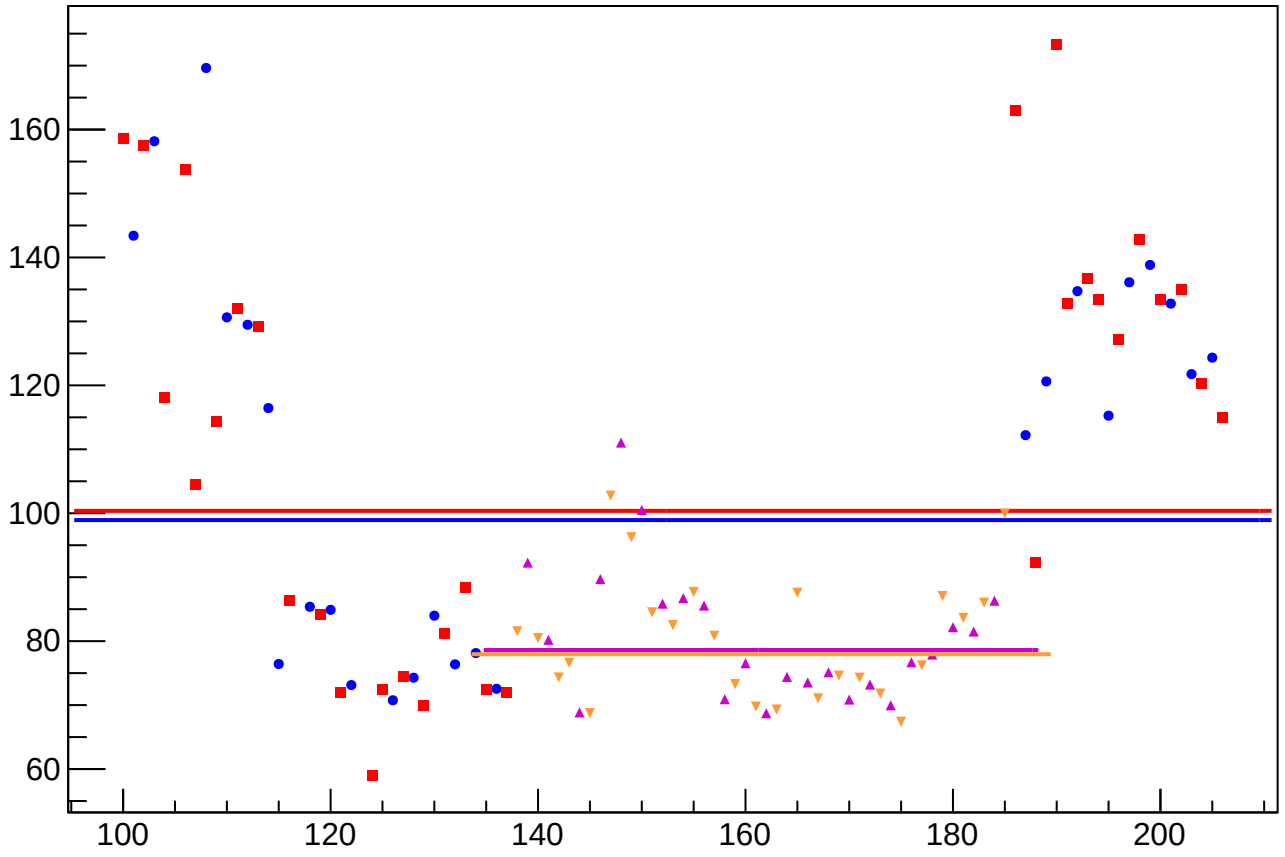
Right Out: -0.018+/-0.026 χ^2/NDF: 41.2/30

Left In: -0.004+/-0.019 χ^2/NDF:18.9/22

+ sign 0.017+/-0.015 χ^2/NDF: 59.3/49

All: 0.004+/-0.011 χ^2/NDF: 120.9/103

- sign -0.009+/-0.015 χ^2/NDF: 60.3/53



Right In: 98.933+/-0.019 χ^2/NDF: 2056639.6/24

Left Out: 77.957+/-0.013 χ^2/NDF:439744.9/24

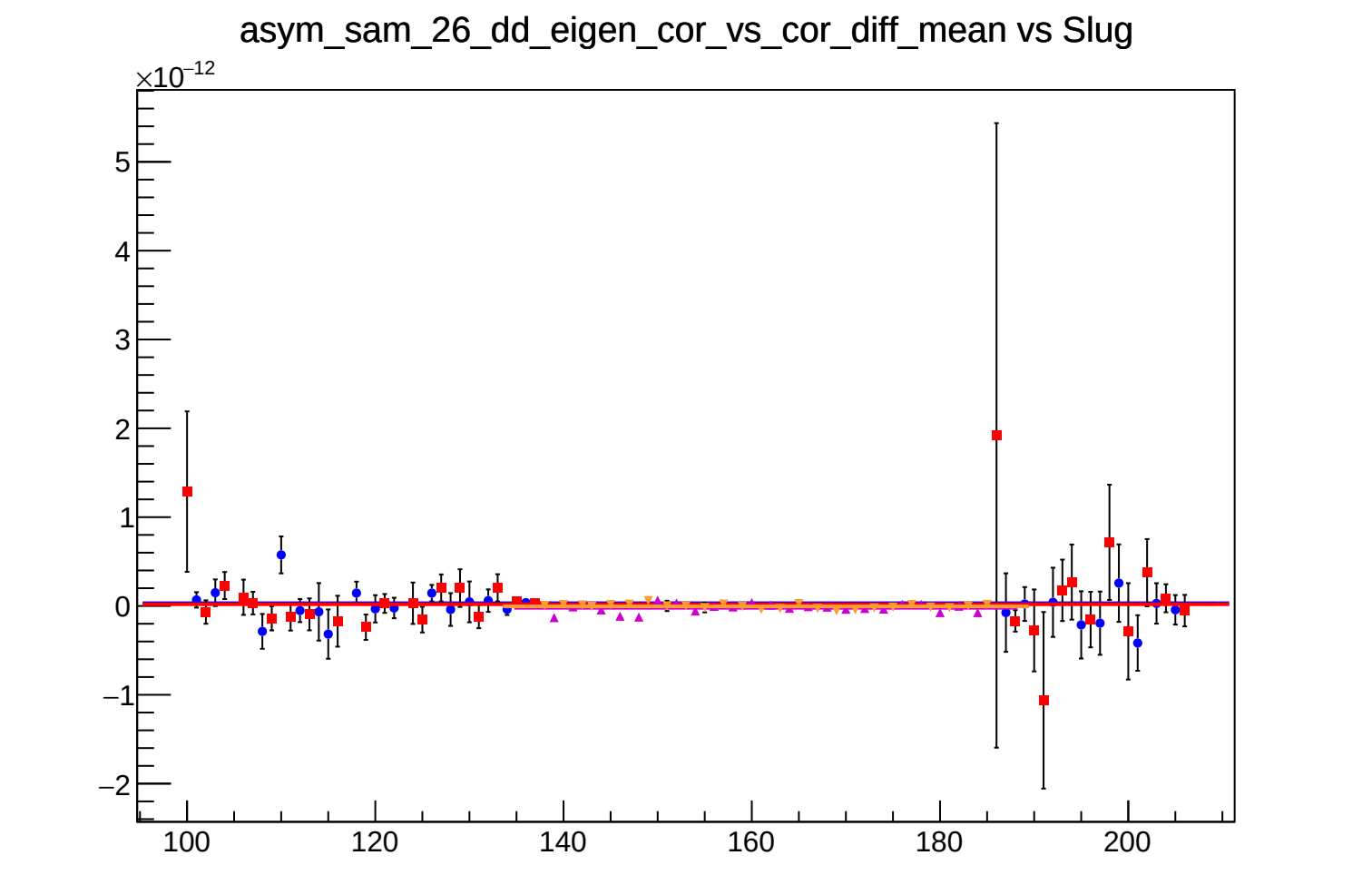
Right Out: 100.376+/-0.018 χ^2/NDF: 2388818.0/30

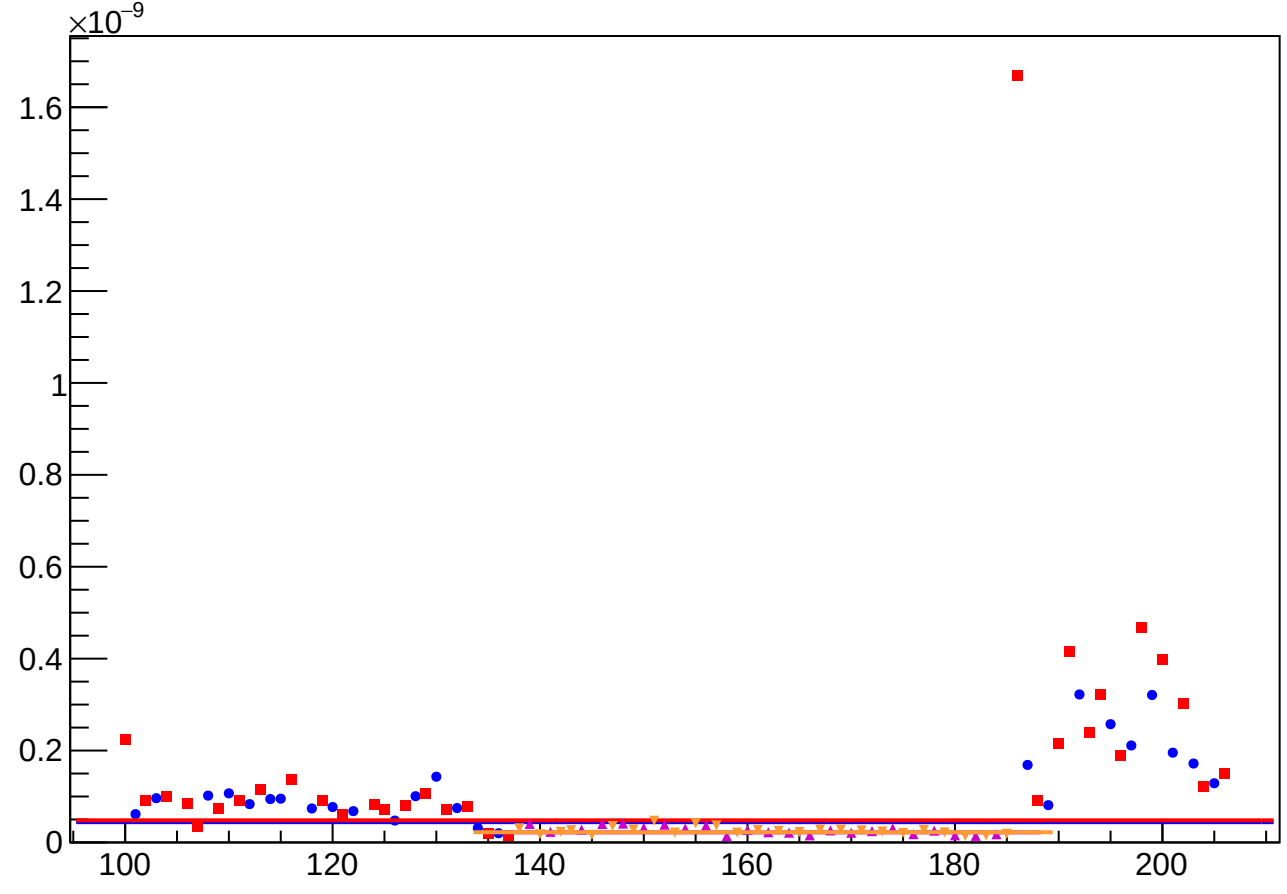
Left In: 78.614+/-0.013 χ^2/NDF:497846.3/22

\+ sign 84.167+/-0.011 χ^2/NDF: 3313498.7/49

All: 85.067+/-0.008 χ^2/NDF: 7145145.3/103

\- sign 85.982+/-0.011 χ^2/NDF: 3817083.7/53


asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: 0.000+/-0.000 χ²/NDF: 19.8/24
Left Out: -0.000+/-0.000 χ²/NDF:13.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 25.8/30
Left In: -0.000+/-0.000 χ²/NDF:40.1/22
+ sign -0.000+/-0.000 χ²/NDF: 35.7/49
All: -0.000+/-0.000 χ²/NDF: 108.6/103
- sign -0.000+/-0.000 χ²/NDF: 69.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 8392149.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2302790.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 11249017.4/30

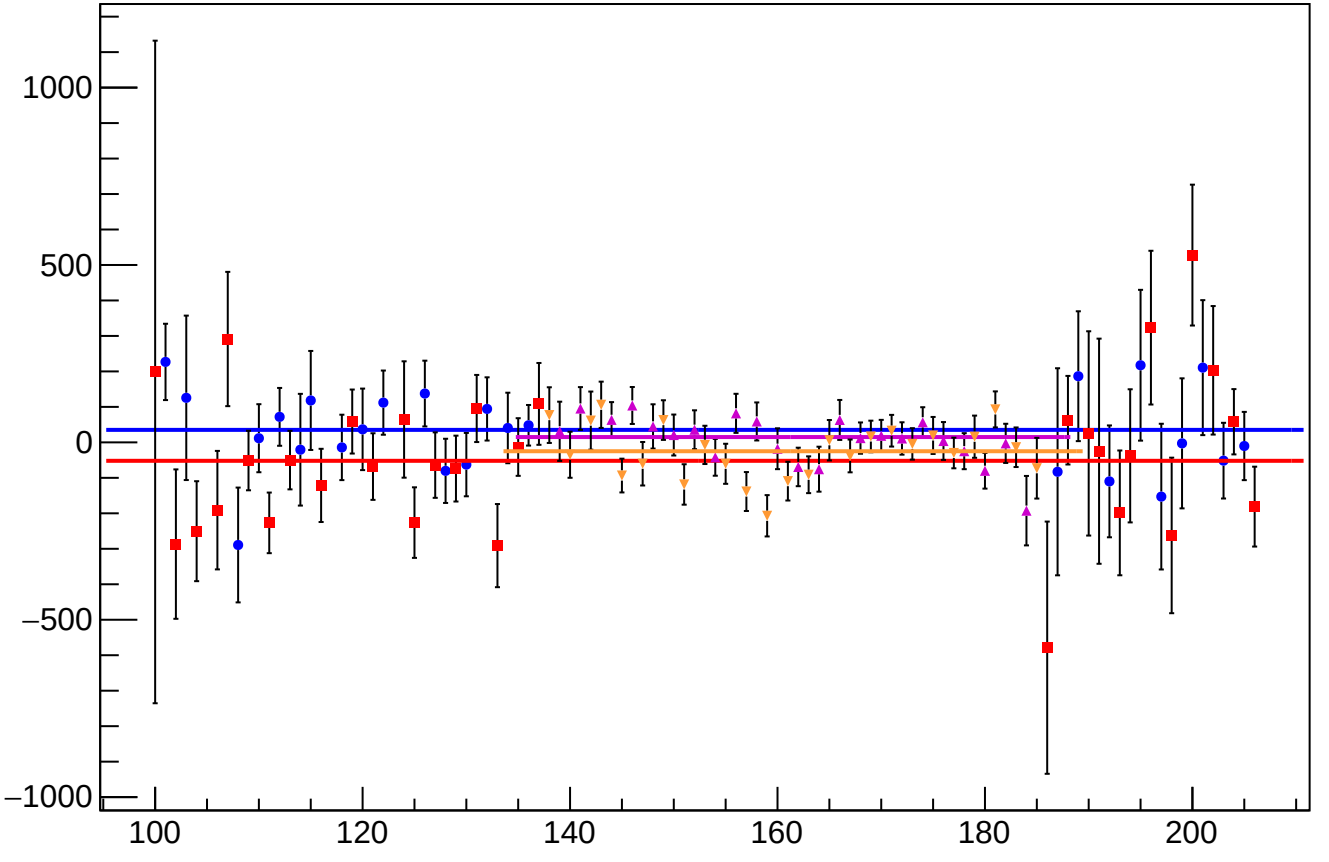
Left In: 0.000+/-0.000 χ^2/NDF:2802318.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12870607.8/49

All: 0.000+/-0.000 χ^2/NDF: 29701868.1/103

- sign 0.000+/-0.000 χ^2/NDF: 16831168.7/53

reg_asym_sam_37_dd_mean vs Slug



Right In: 35.211+/-21.887 χ^2/NDF: 18.7/24

Left Out: -24.988+/-10.888 χ^2/NDF:43.1/24

Right Out: -51.993+/-21.683 χ^2/NDF: 46.9/30

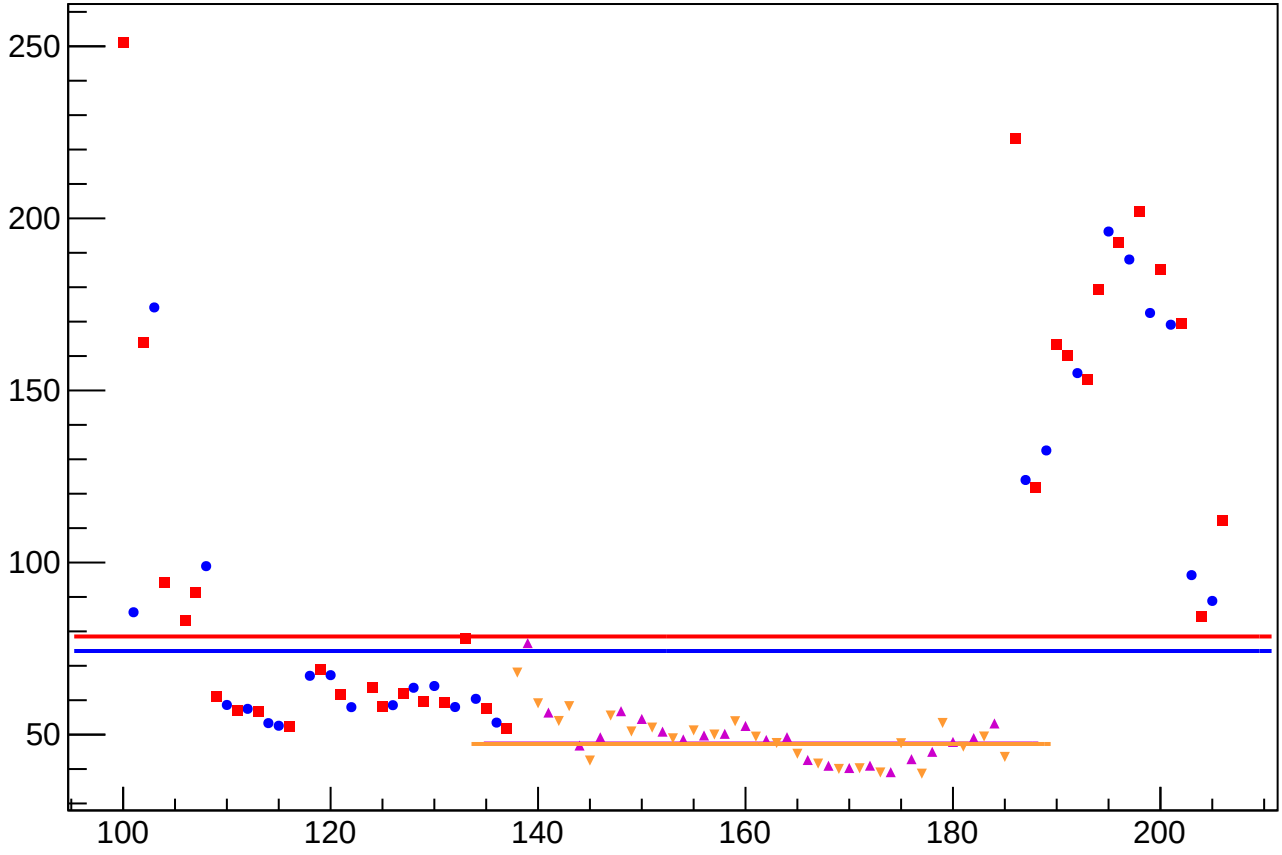
Left In: 14.994+/-11.218 χ^2/NDF:24.7/22

+ sign -13.046+/-9.748 χ^2/NDF: 67.9/49

All: -6.250+/-6.968 χ^2/NDF: 148.0/103

- sign 0.850+/-9.964 χ^2/NDF: 79.1/53

reg_asym_sam_37_dd_rms vs Slug



Right In: 74.298+/-0.015 χ^2/NDF: 4487497.8/24

Left Out: 47.284+/-0.008 χ^2/NDF:717249.8/24

Right Out: 78.516+/-0.015 χ^2/NDF: 5844095.0/30

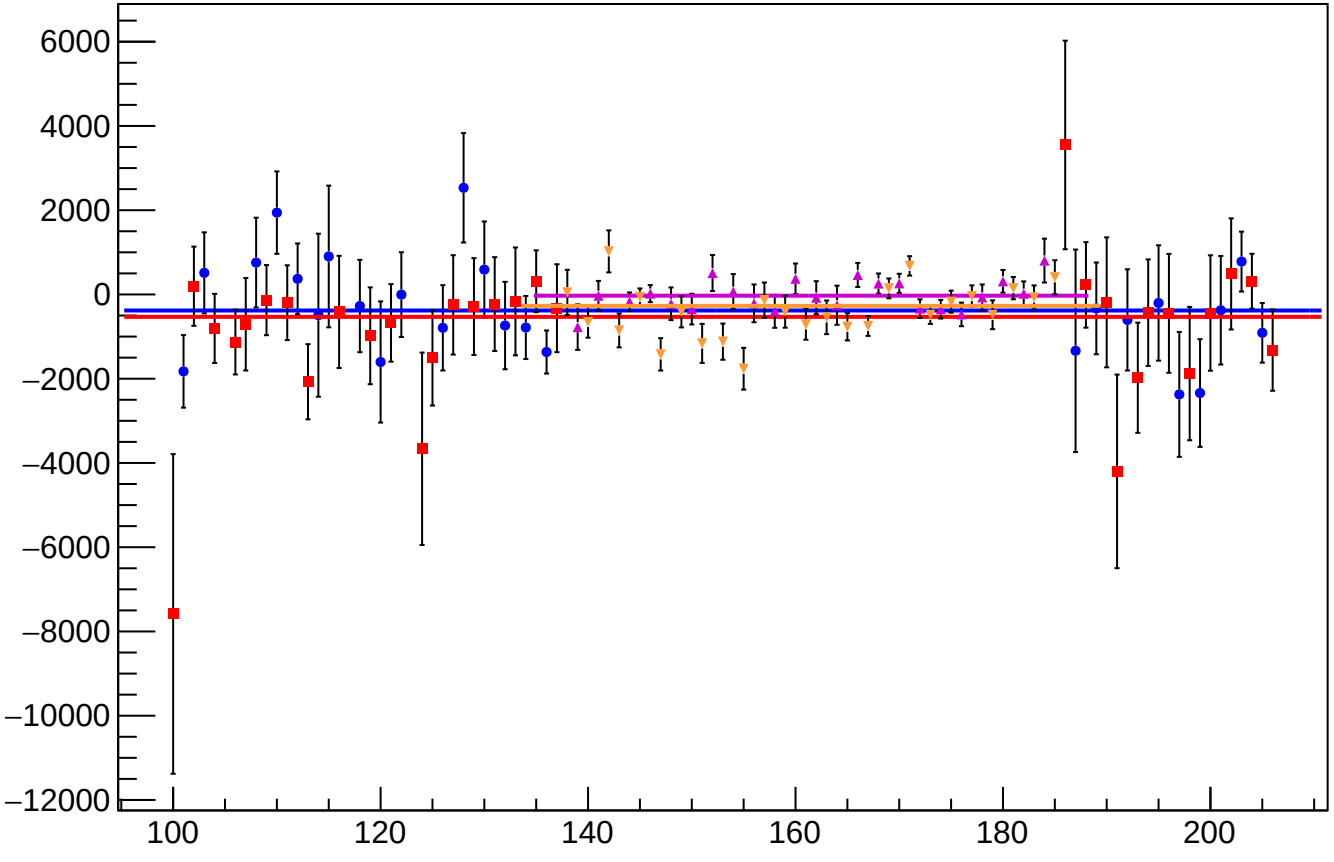
Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 52.642+/-0.007 χ^2/NDF: 7647168.2/49

All: 53.301+/-0.005 χ^2/NDF: 17409335.5/103

- sign 53.990+/-0.007 χ^2/NDF: 9743486.0/53

asym_sam_37_dd_reg_correction_mean vs Slug



Right In: -380.891+/-198.158 χ^2/NDF: 30.4/24

Left Out: -271.031+/-62.346 χ^2/NDF:73.9/24

Right Out: -531.916+/-193.484 χ^2/NDF: 23.4/30

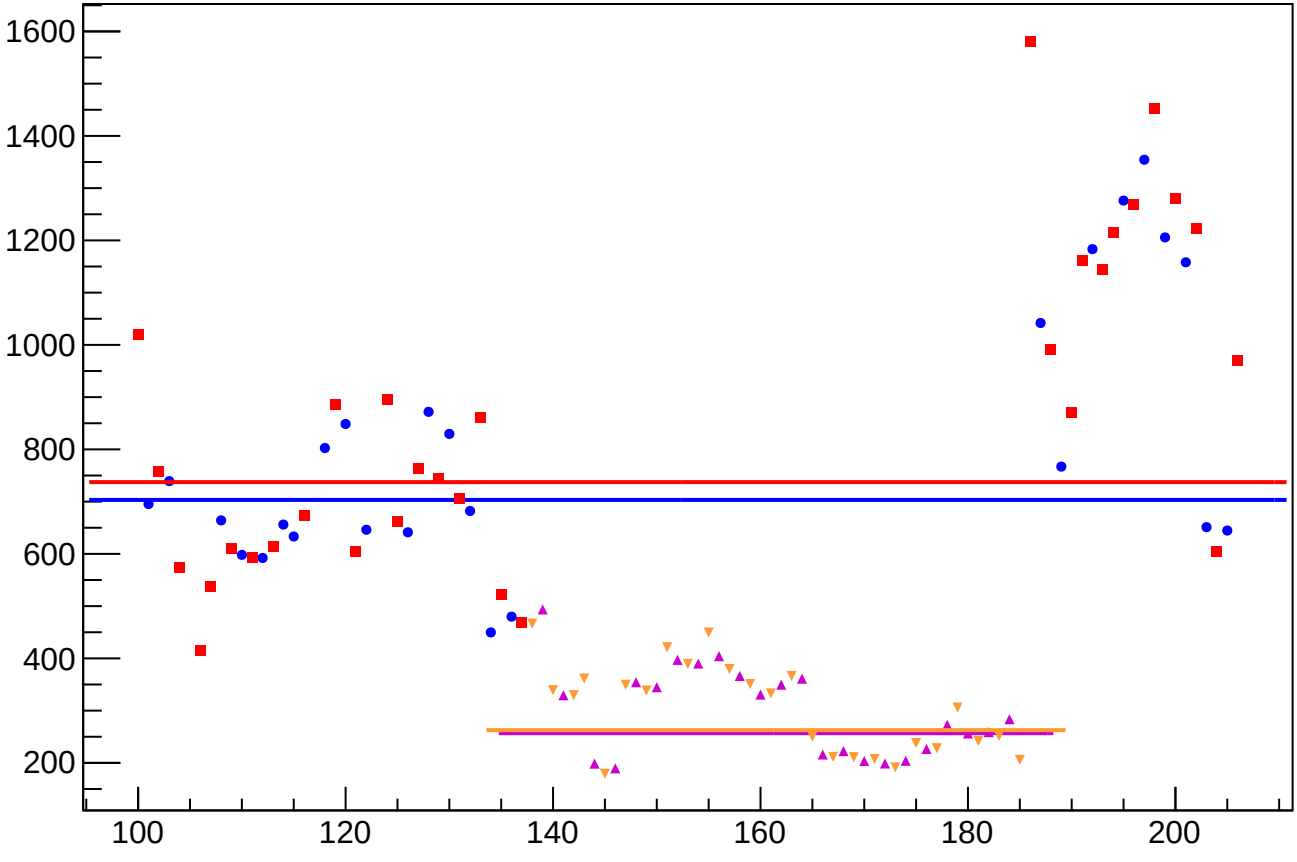
Left In: -29.200+/-62.671 χ^2/NDF:24.4/22

+ sign -280.927+/-59.472 χ^2/NDF: 104.5/49

All: -179.186+/-42.106 χ^2/NDF: 164.3/103

- sign -76.935+/-59.621 χ^2/NDF: 53.9/53

asym_sam_37_dd_reg_correction_rms vs Slug



Right In: 703.282+/-0.140 χ^2/NDF: 2475580.8/24

Left Out: 262.679+/-0.044 χ^2/NDF:2893255.4/24

Right Out: 737.321+/-0.137 χ^2/NDF: 3465353.3/30

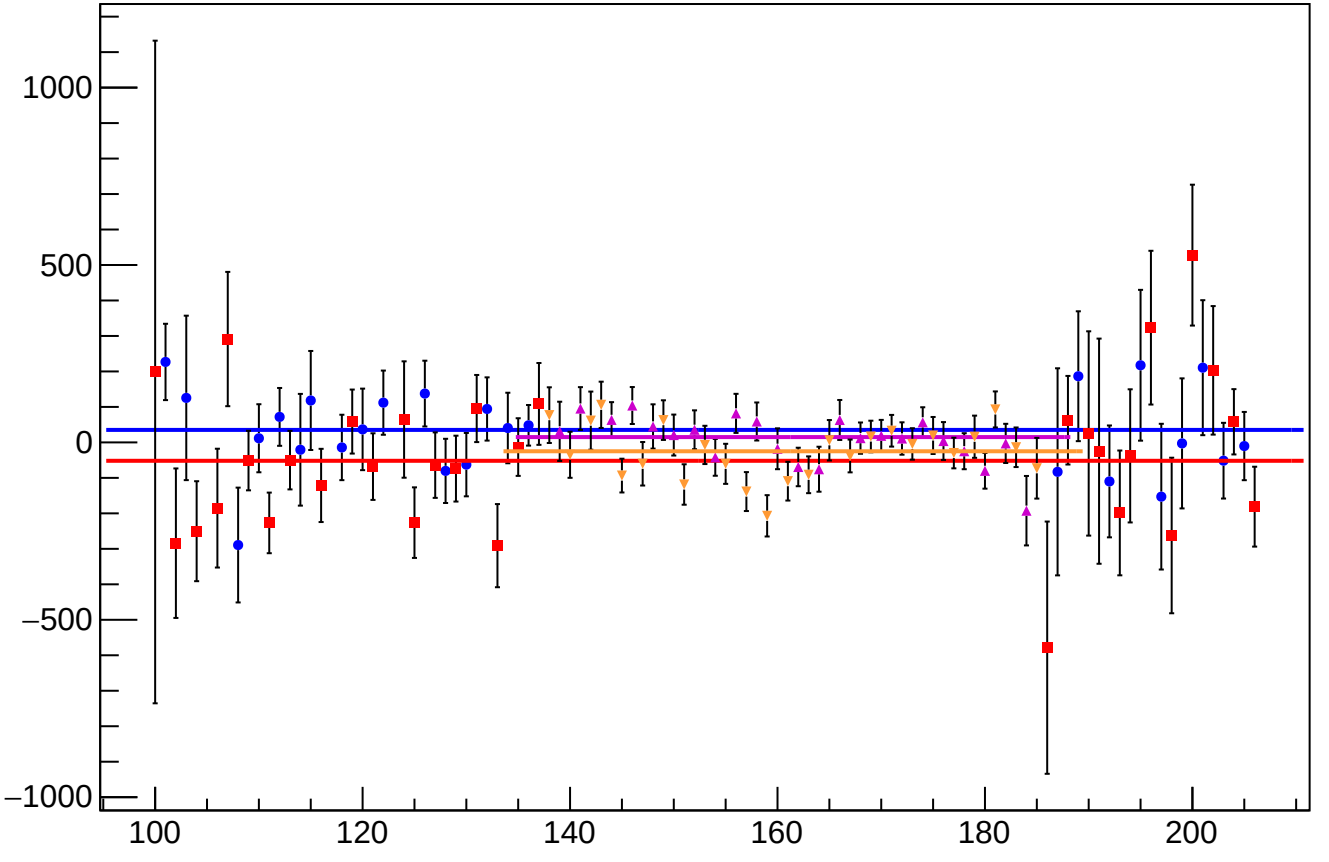
Left In: 256.842+/-0.044 χ^2/NDF:2639200.9/22

+ sign 302.366+/-0.042 χ^2/NDF: 14366040.6/49

All: 302.415+/-0.030 χ^2/NDF: 31633033.5/10

- sign 302.465+/-0.042 χ^2/NDF: 17266990.1/53

cor_asym_sam_37_dd_mean vs Slug



Right In: 35.204+/-21.887 χ^2/NDF: 18.7/24

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -51.849+/-21.685 χ^2/NDF: 46.8/30

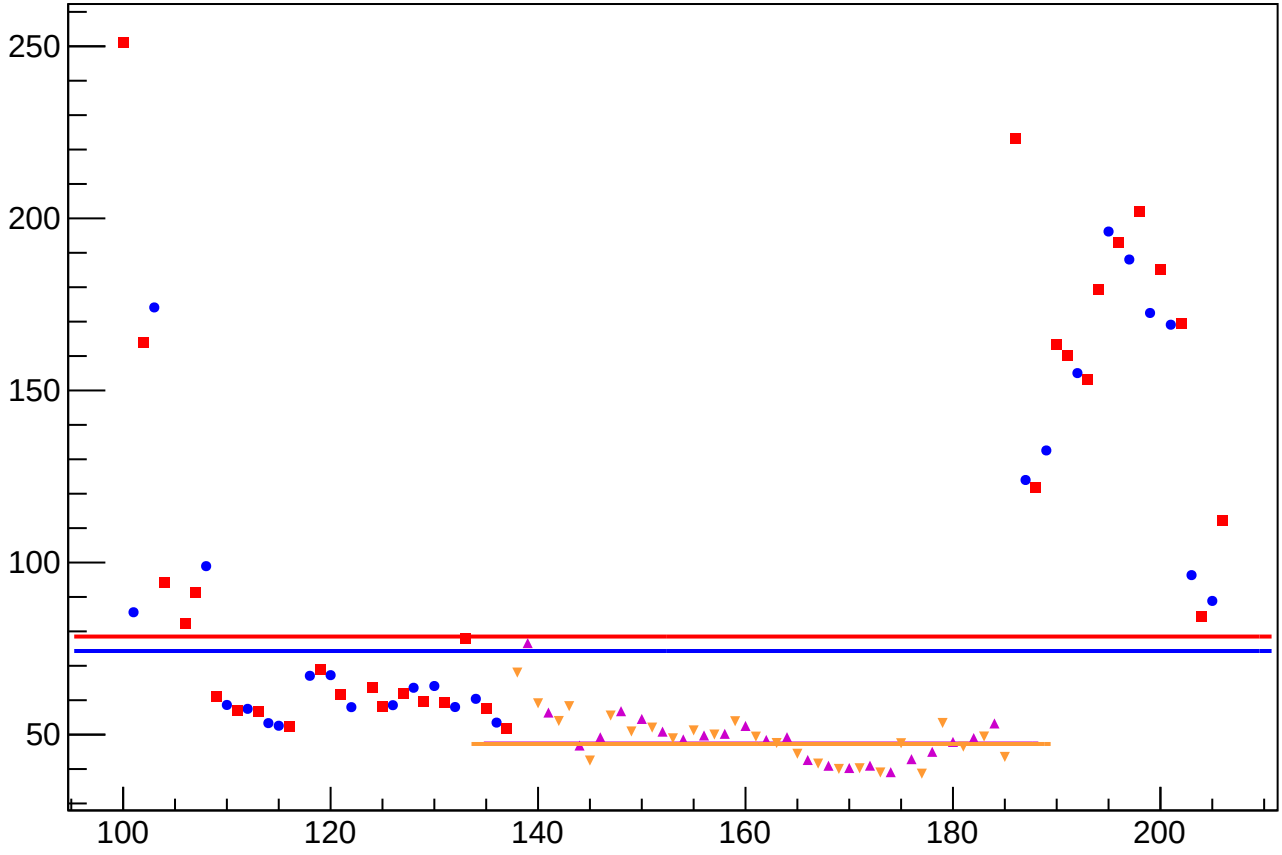
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.045+/-9.748 χ^2/NDF: 67.8/49

All: -6.235+/-6.968 χ^2/NDF: 147.8/103

- sign 0.880+/-9.964 χ^2/NDF: 79.0/53

cor_asym_sam_37_dd_rms vs Slug



Right In: 74.298+/-0.015 χ^2/NDF: 4487500.2/24

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

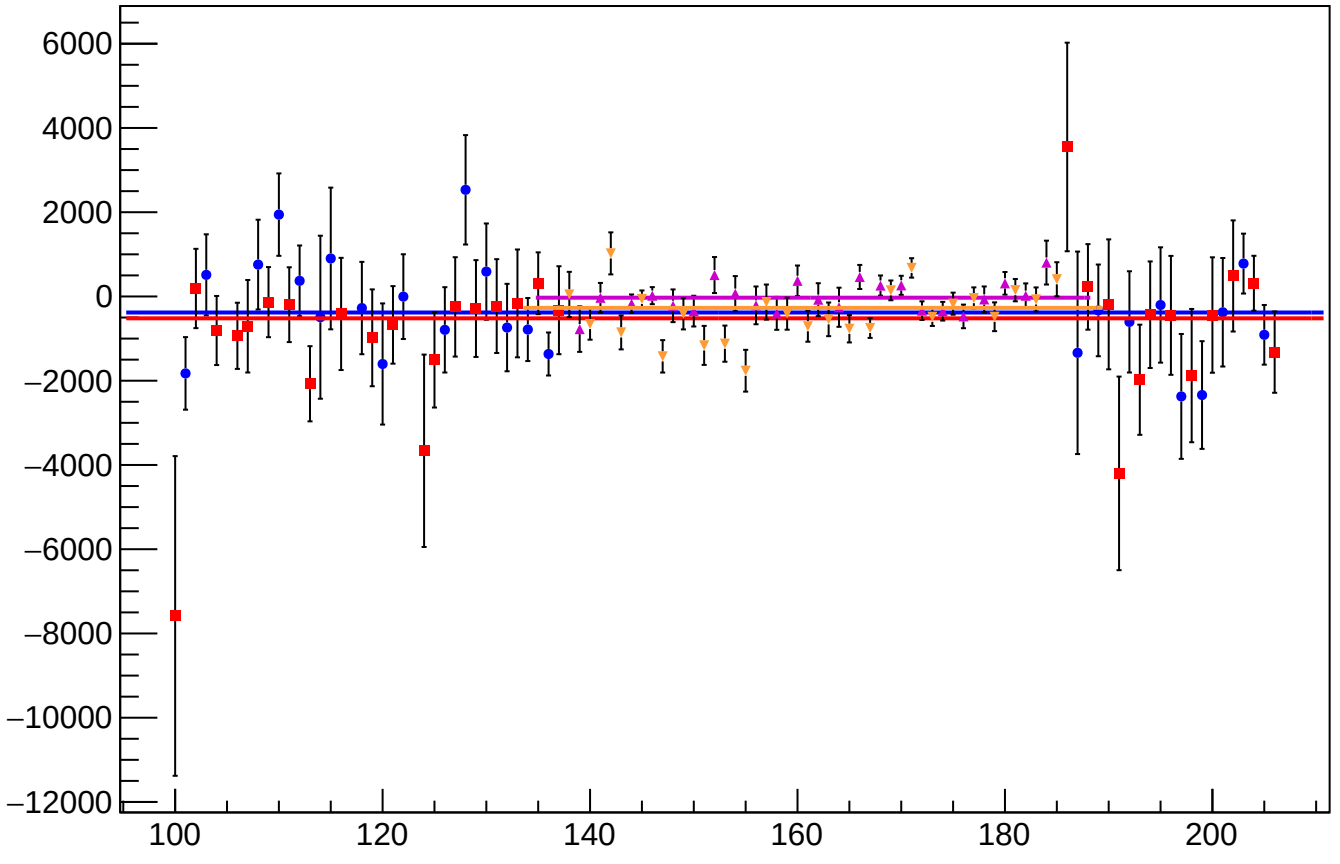
Right Out: 78.498+/-0.015 χ^2/NDF: 5843657.0/30

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 52.642+/-0.007 χ^2/NDF: 7647170.0/49

All: 53.299+/-0.005 χ^2/NDF: 17404863.5/103

- sign 53.985+/-0.007 χ^2/NDF: 9739129.2/53



Right In: -380.889+/-198.159 χ^2/NDF: 30.4/24

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

Right Out: -518.964+/-193.732 χ^2/NDF: 23.0/30

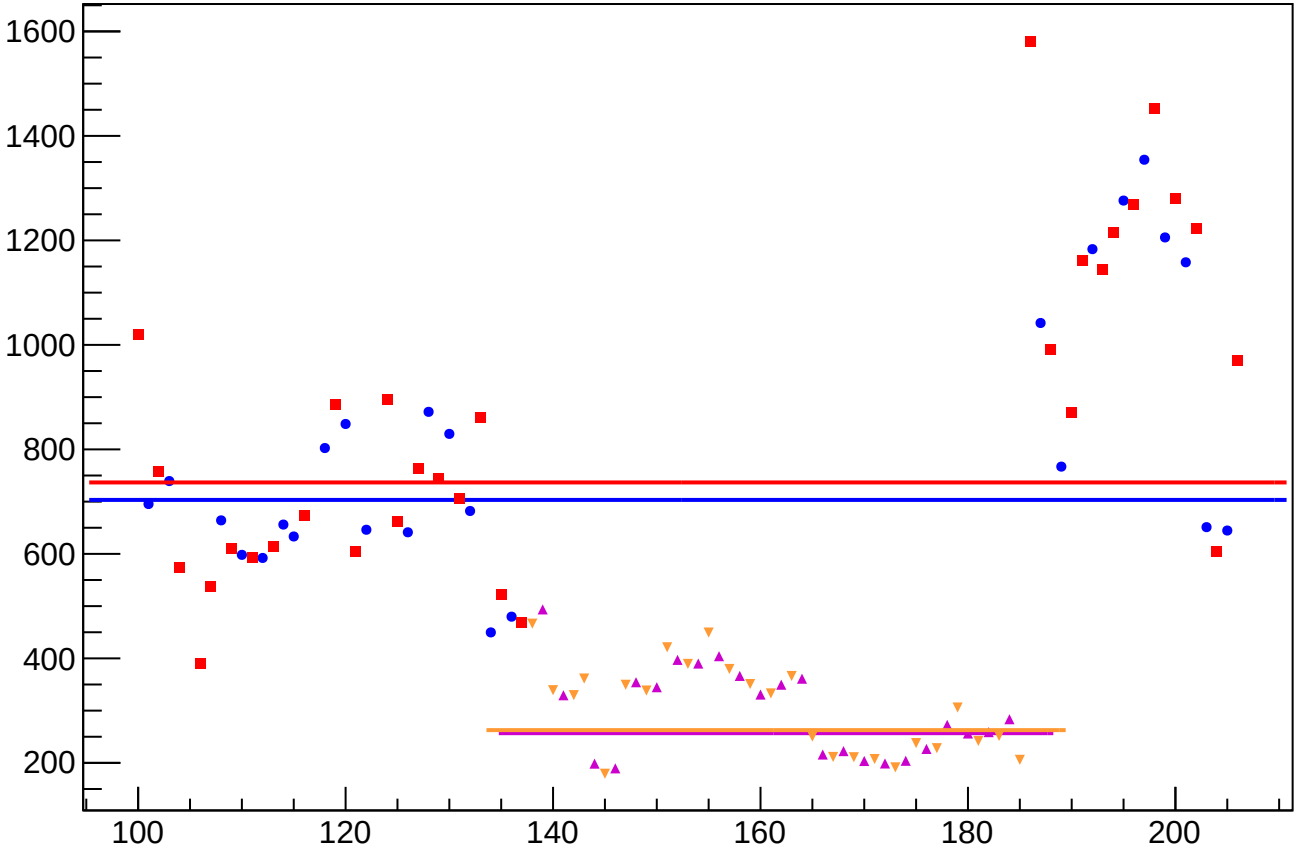
Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -280.922+/-59.472 χ^2/NDF: 104.5/49

All: -178.530+/-42.108 χ^2/NDF: 163.7/103

- sign -75.599+/-59.628 χ^2/NDF: 53.2/53

asym_sam_37_dd_cor_correction_rms vs Slug



Right In: 703.285+/-0.140 χ^2/NDF: 2475592.0/24

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 736.725+/-0.137 χ^2/NDF: 3502471.2/30

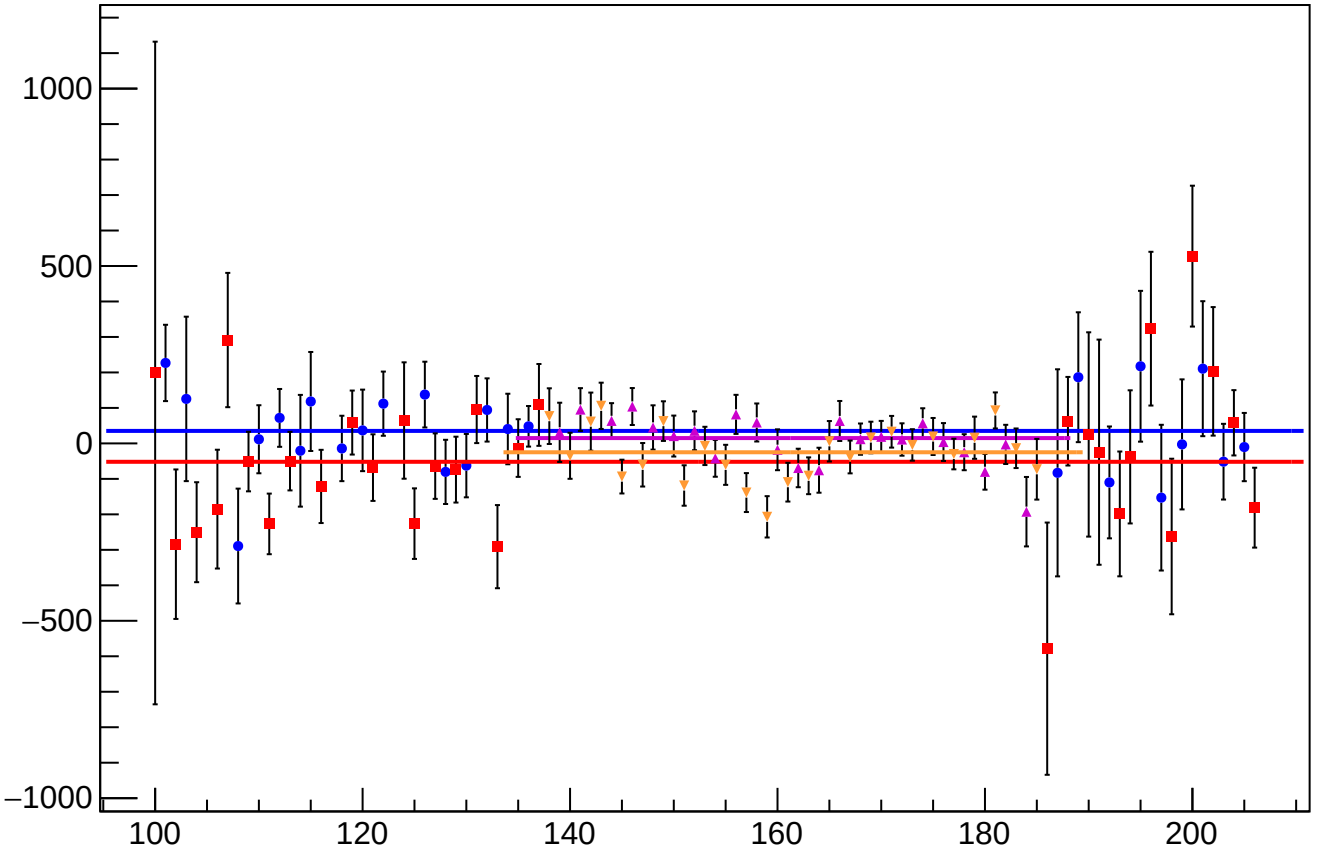
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 302.365+/-0.042 χ^2/NDF: 14366097.7/49

All: 302.334+/-0.030 χ^2/NDF: 31616751.4/10

- sign 302.303+/-0.042 χ^2/NDF: 17250652.6/53

eigen_cor_asym_sam_37_dd_mean vs Slug



Right In: 35.204+/-21.887 χ^2/NDF: 18.7/24

Left Out: -24.985+/-10.888 χ^2/NDF:43.1/24

Right Out: -51.849+/-21.685 χ^2/NDF: 46.8/30

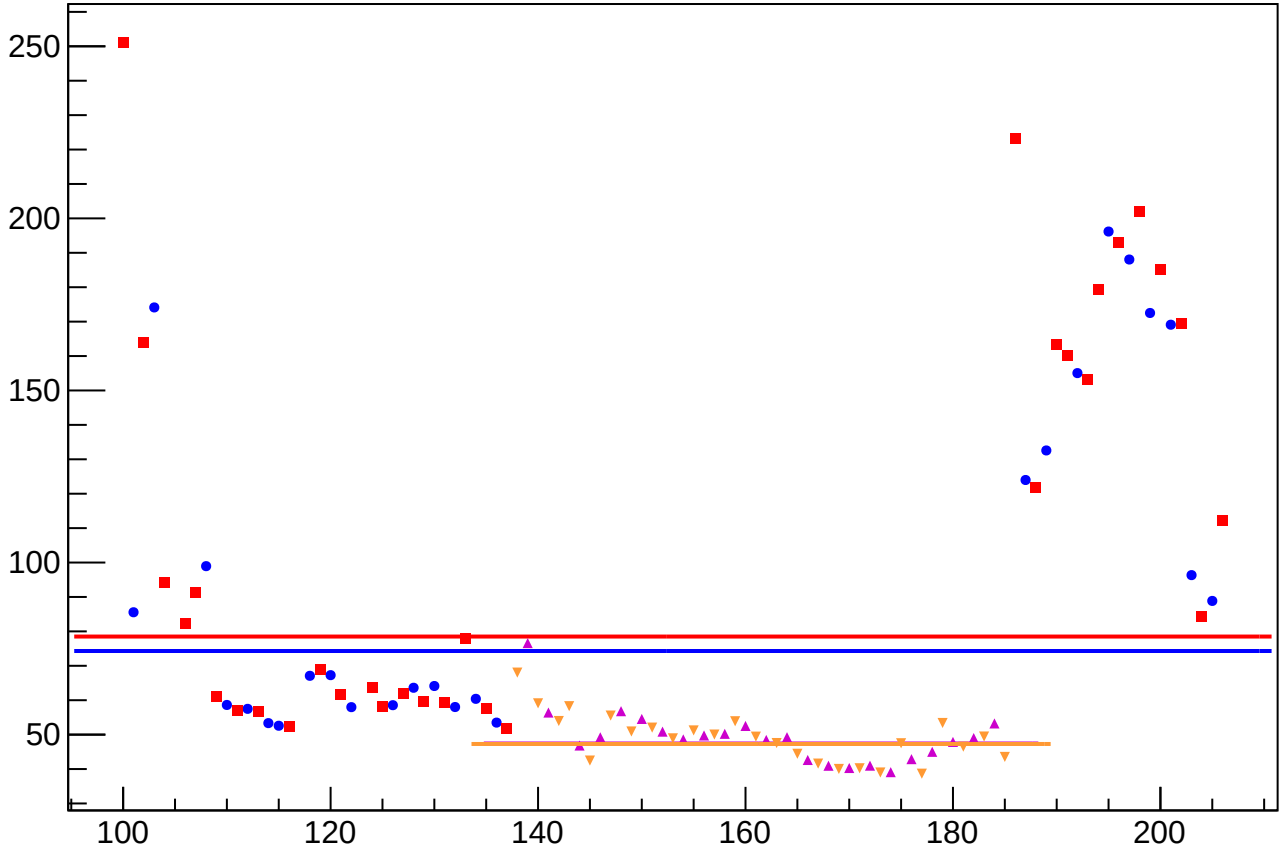
Left In: 14.992+/-11.218 χ^2/NDF:24.7/22

+ sign -13.045+/-9.748 χ^2/NDF: 67.8/49

All: -6.235+/-6.968 χ^2/NDF: 147.8/103

- sign 0.880+/-9.964 χ^2/NDF: 79.0/53

eigen_cor_asym_sam_37_dd_rms vs Slug



Right In: 74.298+/-0.015 χ^2/NDF: 4487500.2/24

Left Out: 47.284+/-0.008 χ^2/NDF:717249.7/24

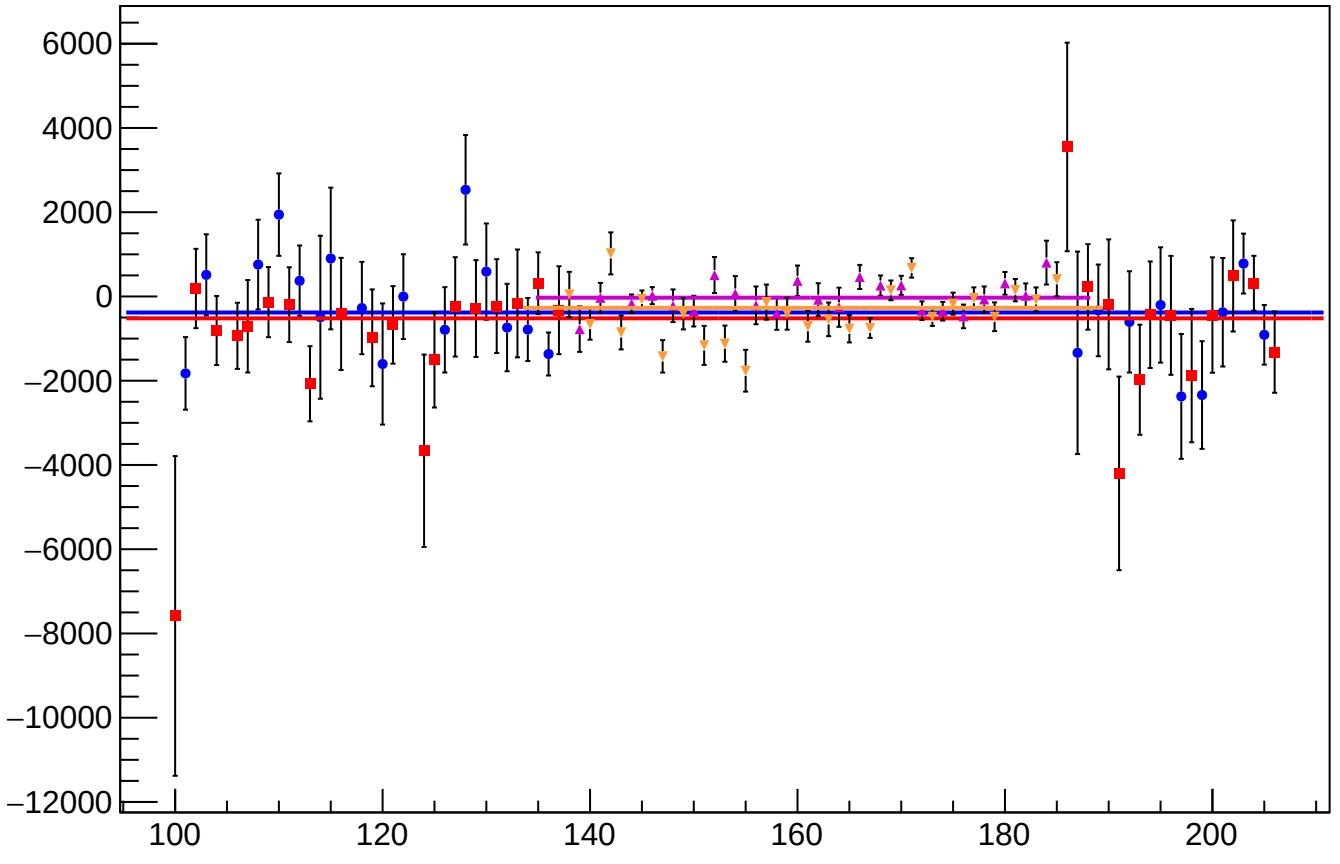
Right Out: 78.498+/-0.015 χ^2/NDF: 5843657.0/30

Left In: 47.425+/-0.008 χ^2/NDF:655736.9/22

+ sign 52.642+/-0.007 χ^2/NDF: 7647170.0/49

All: 53.299+/-0.005 χ^2/NDF: 17404863.5/103

- sign 53.985+/-0.007 χ^2/NDF: 9739129.2/53



Right In: -380.889+/-198.159 χ^2/NDF: 30.4/24

Left Out: -271.027+/-62.346 χ^2/NDF:73.9/24

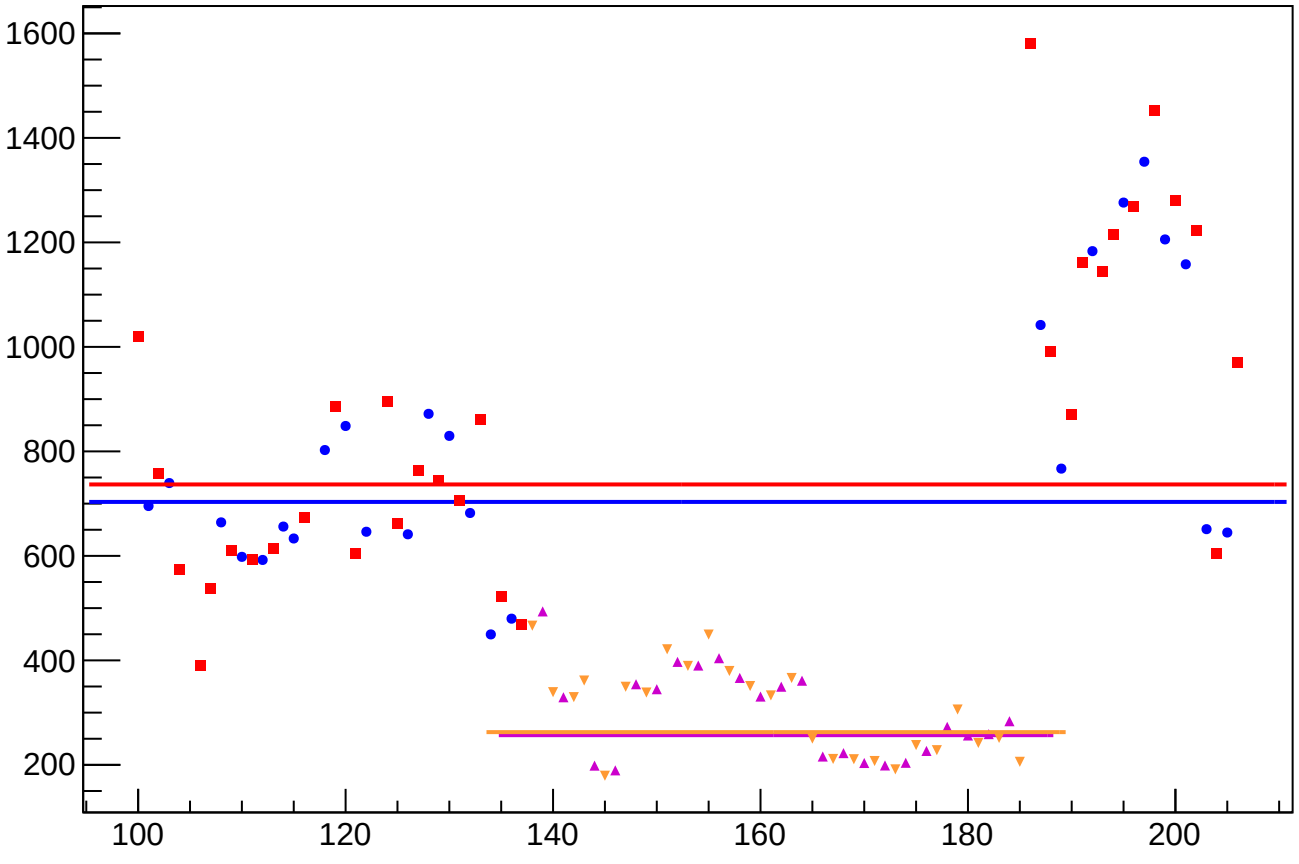
Right Out: -518.964+/-193.732 χ^2/NDF: 23.0/30

Left In: -29.202+/-62.671 χ^2/NDF:24.4/22

+ sign -280.922+/-59.472 χ^2/NDF: 104.5/49

All: -178.530+/-42.108 χ^2/NDF: 163.7/103

- sign -75.599+/-59.628 χ^2/NDF: 53.2/53



Right In: 703.285+/-0.140 χ^2/NDF: 2475592.0/24

Left Out: 262.679+/-0.044 χ^2/NDF:2893257.1/24

Right Out: 736.725+/-0.137 χ^2/NDF: 3502471.2/30

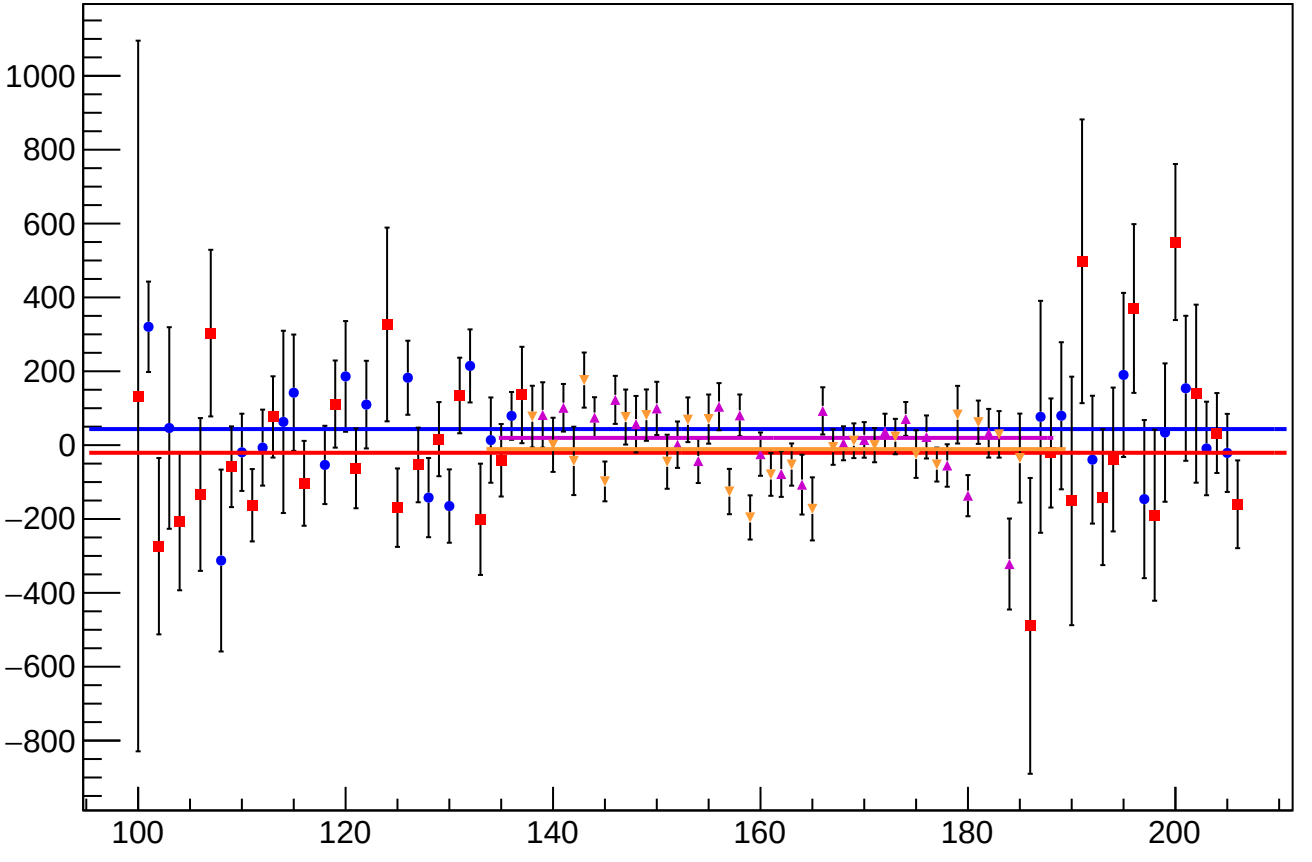
Left In: 256.842+/-0.044 χ^2/NDF:2639196.2/22

+ sign 302.365+/-0.042 χ^2/NDF: 14366097.7/49

All: 302.334+/-0.030 χ^2/NDF: 31616751.4/10

- sign 302.303+/-0.042 χ^2/NDF: 17250652.6/53

dit_asym_sam_37_dd_mean vs Slug



Right In: 43.510+/-25.285 χ^2/NDF: 25.3/24

Left Out: -10.823+/-12.306 χ^2/NDF:40.4/24

Right Out: -20.720+/-25.370 χ^2/NDF: 35.2/30

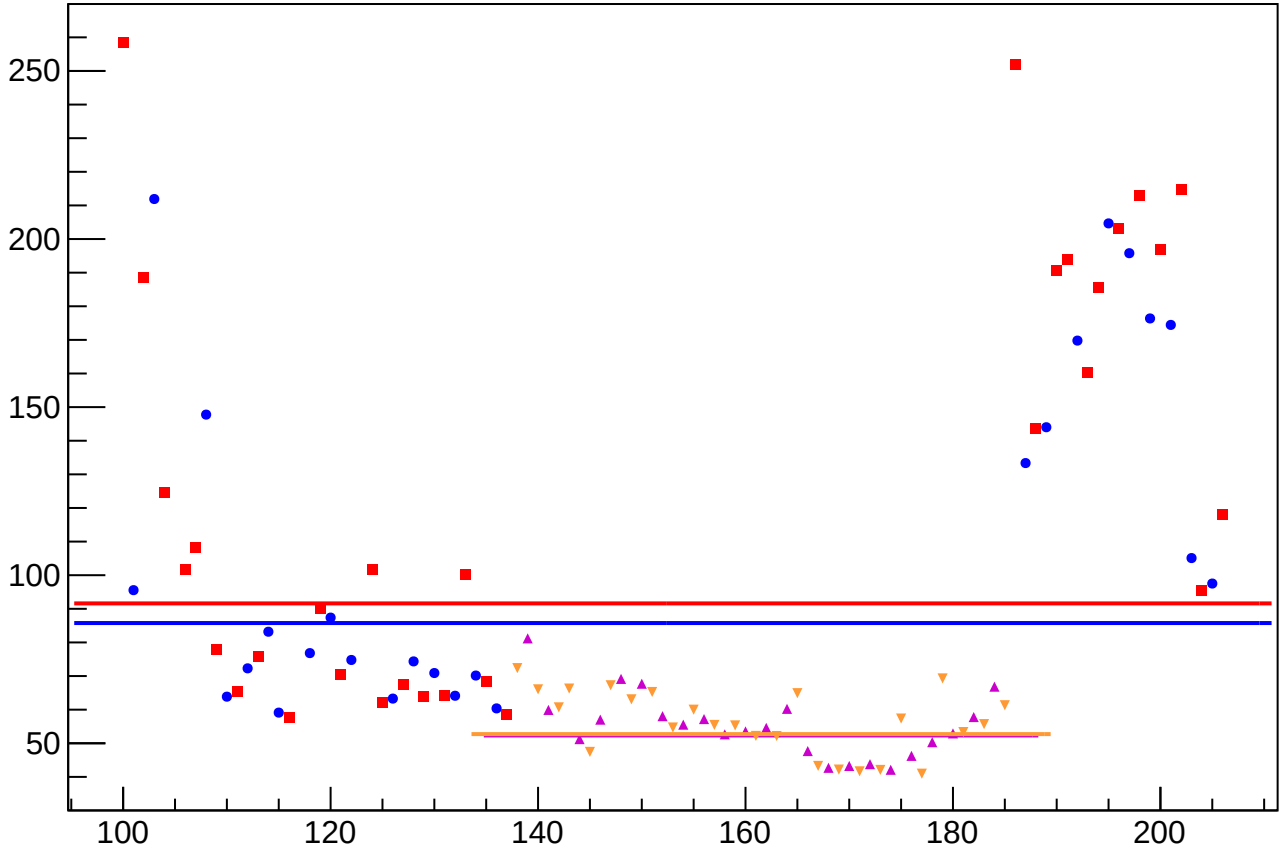
Left In: 19.597+/-12.546 χ^2/NDF:36.8/22

+ sign -0.417+/-11.065 χ^2/NDF: 69.4/49

All: 5.531+/-7.887 χ^2/NDF: 144.0/103

- sign 11.676+/-11.246 χ^2/NDF: 74.0/53

dit_asym_sam_37_dd_rms vs Slug



Right In: 85.768+/-0.018 χ^2/NDF: 4121197.6/24

Left Out: 52.731+/-0.009 χ^2/NDF:1167195.4/24

Right Out: 91.612+/-0.018 χ^2/NDF: 5527425.2/30

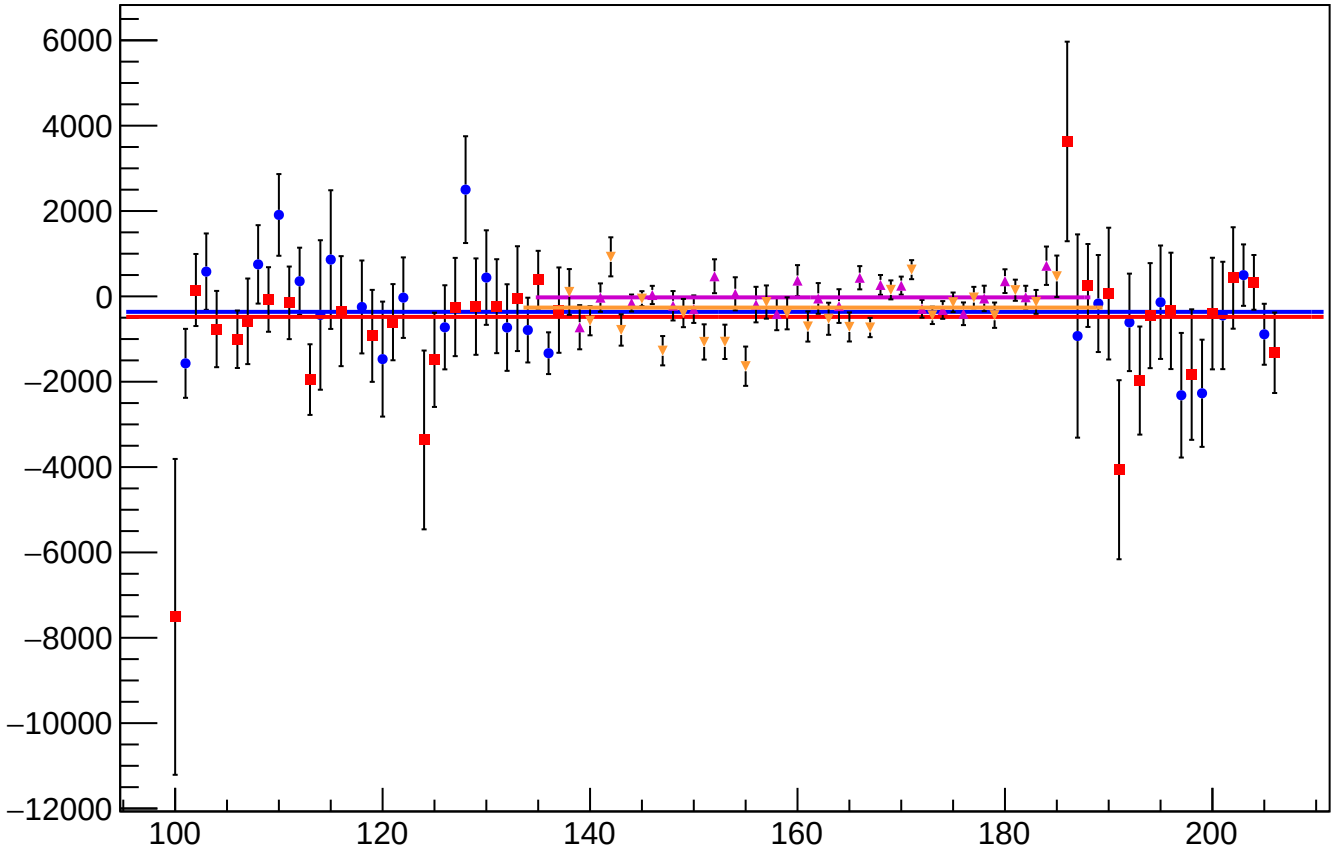
Left In: 52.314+/-0.009 χ^2/NDF:891847.5/22

+ sign 59.058+/-0.008 χ^2/NDF: 8048946.2/49

All: 59.539+/-0.006 χ^2/NDF: 18331674.5/103

- sign 60.035+/-0.008 χ^2/NDF: 10275053.2/53

asym_sam_37_dd_dit_correction_mean vs Slug



Right In: -362.884+/-191.813 χ^2/NDF: 29.2/24

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

Right Out: -481.063+/-184.175 χ^2/NDF: 25.2/30

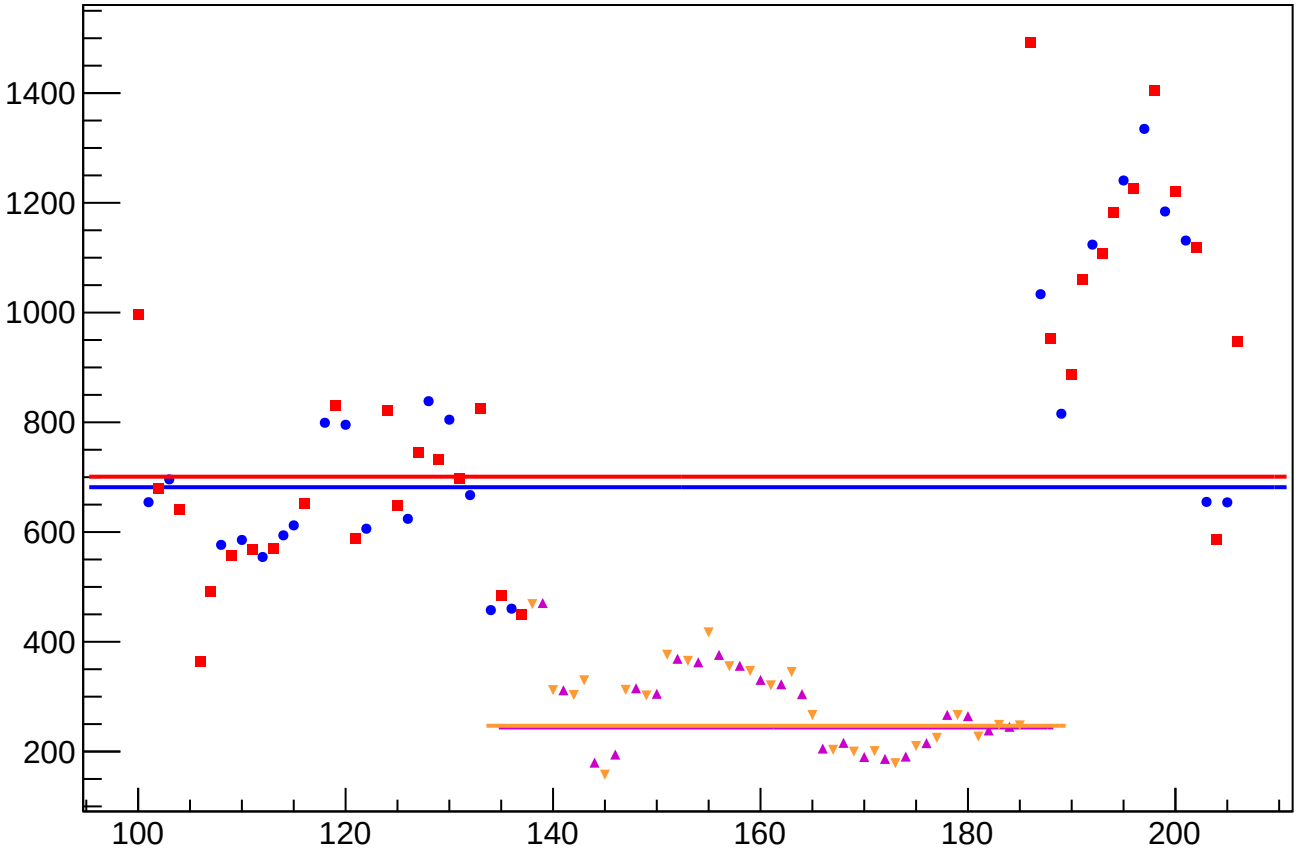
Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -271.117+/-55.956 χ^2/NDF: 101.6/49

All: -169.891+/-39.768 χ^2/NDF: 163.2/103

- sign -66.578+/-56.530 χ^2/NDF: 55.0/53

asym_sam_37_dd_dit_correction_rms vs Slug



Right In: 681.730+/-0.136 χ^2/NDF: 2514243.7/24

Left Out: 246.995+/-0.041 χ^2/NDF:2925691.6/24

Right Out: 700.922+/-0.130 χ^2/NDF: 3663919.7/30

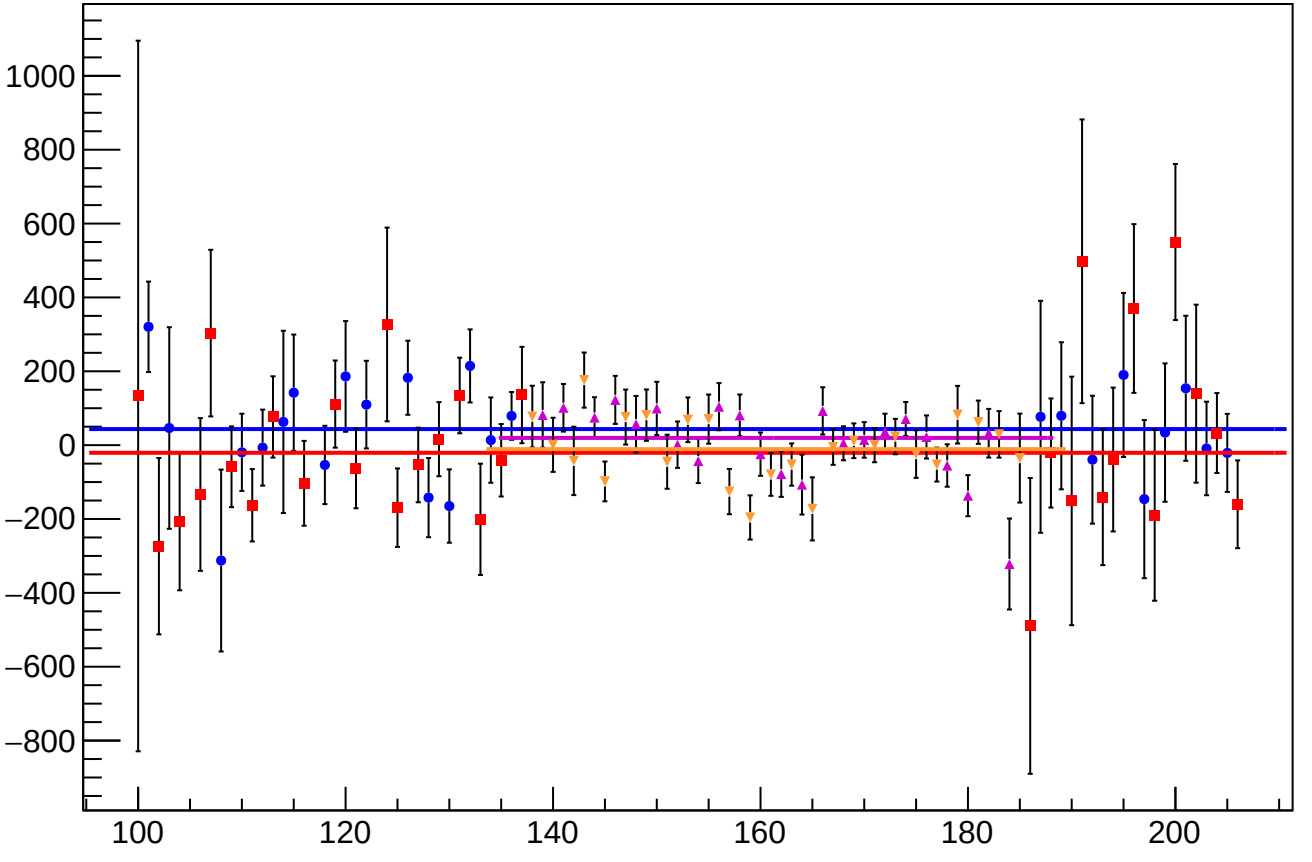
Left In: 243.825+/-0.042 χ^2/NDF:2490545.8/22

+ sign 283.992+/-0.040 χ^2/NDF: 14839232.8/49

All: 285.425+/-0.028 χ^2/NDF: 32155040.6/10

- sign 286.888+/-0.040 χ^2/NDF: 17313158.2/53

eigen_dit_asym_sam_37_dd_mean vs Slug



Right In: 43.510+/-25.285 χ^2/NDF: 25.3/24

Left Out: -10.822+/-12.306 χ^2/NDF:40.4/24

Right Out: -20.719+/-25.370 χ^2/NDF: 35.2/30

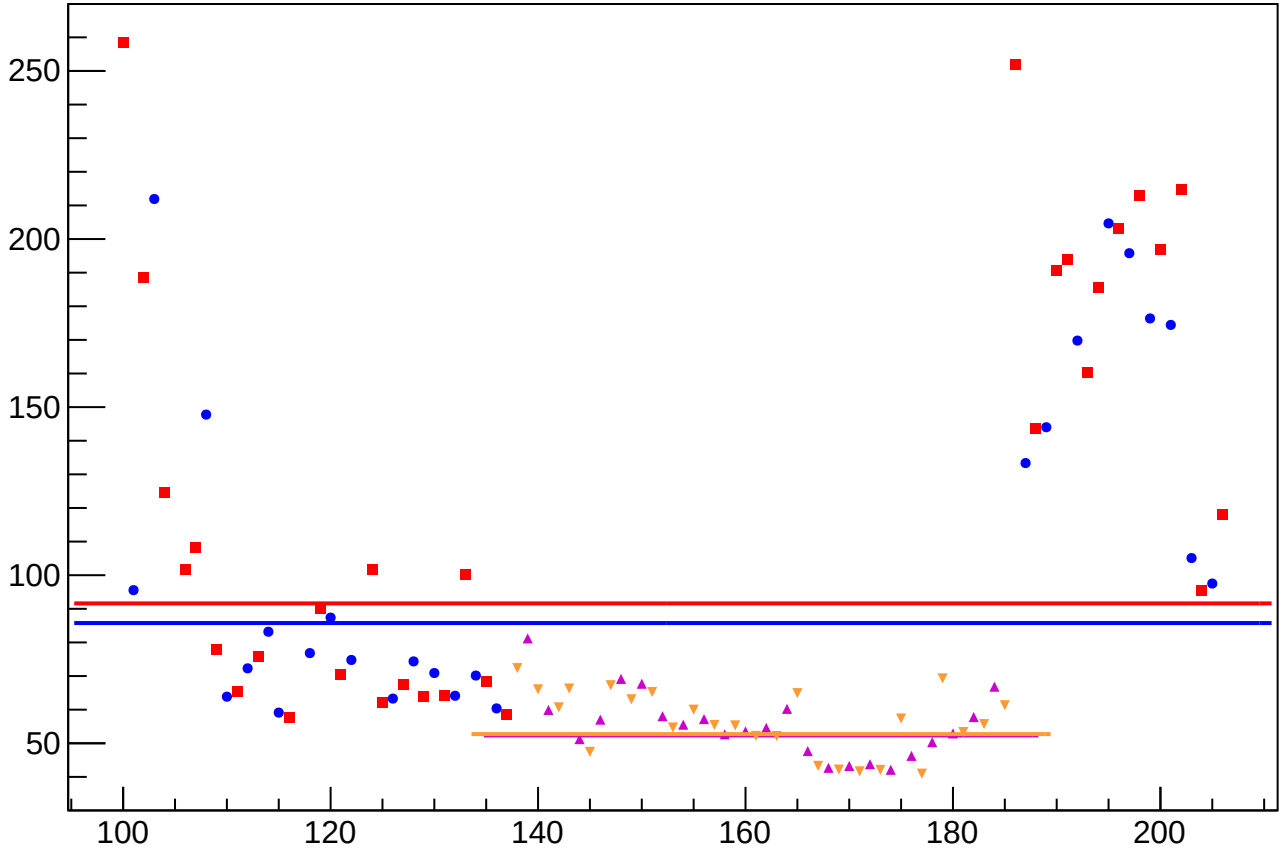
Left In: 19.598+/-12.546 χ^2/NDF:36.8/22

+ sign -0.417+/-11.065 χ^2/NDF: 69.4/49

All: 5.532+/-7.887 χ^2/NDF: 144.0/103

- sign 11.676+/-11.246 χ^2/NDF: 74.0/53

eigen_dit_asym_sam_37_dd_rms vs Slug



Right In: 85.768+/-0.018 χ^2/NDF: 4121219.6/24

Left Out: 52.731+/-0.009 χ^2/NDF:1167223.2/24

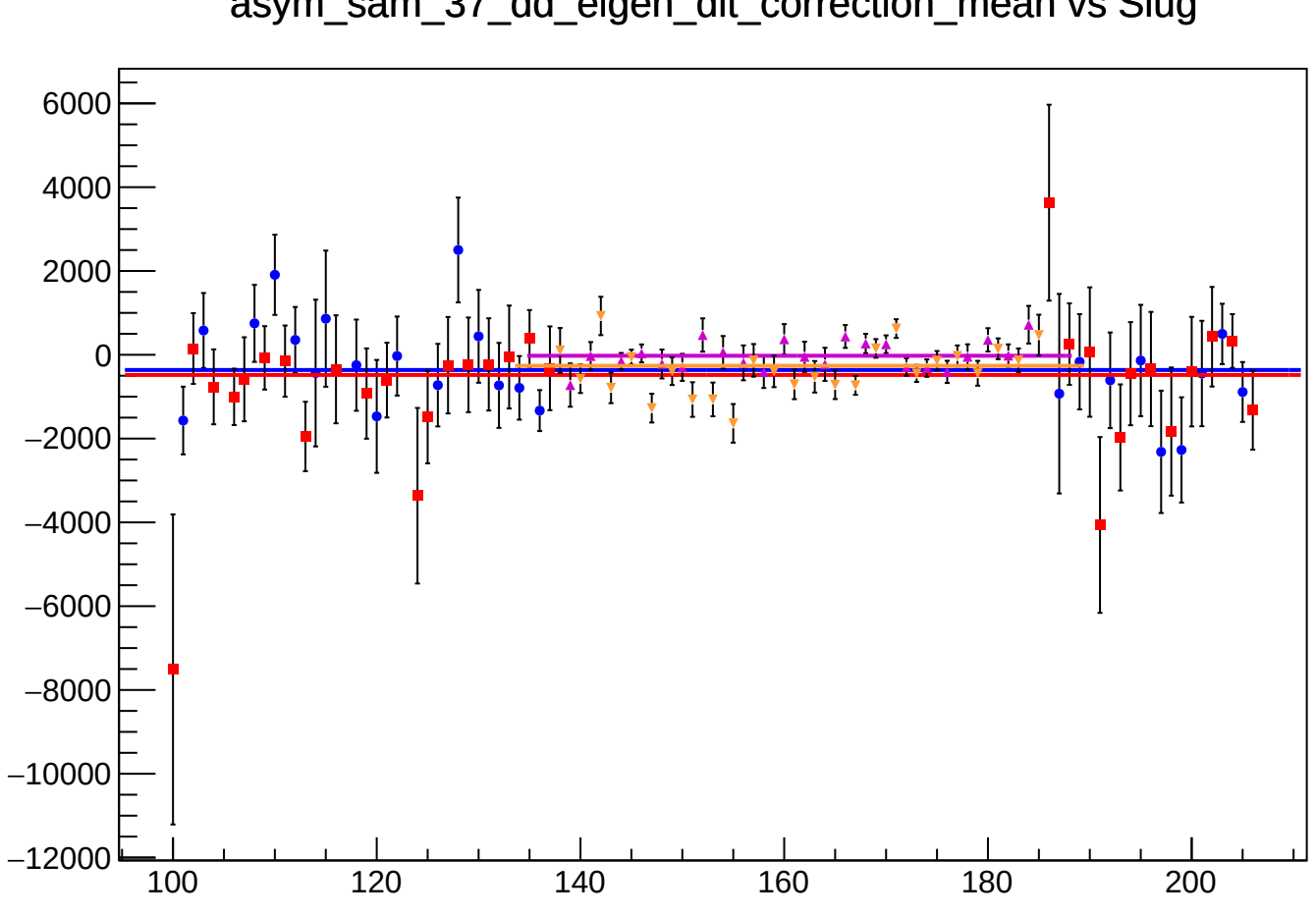
Right Out: 91.612+/-0.018 χ^2/NDF: 5527427.5/30

Left In: 52.314+/-0.009 χ^2/NDF:891856.0/22

+ sign 59.058+/-0.008 χ^2/NDF: 8048963.2/49

All: 59.539+/-0.006 χ^2/NDF: 18331677.8/103

- sign 60.035+/-0.008 χ^2/NDF: 10275039.6/53



Right In: -362.884+/-191.813 χ^2/NDF: 29.2/24

Left Out: -262.582+/-58.501 χ^2/NDF:72.2/24

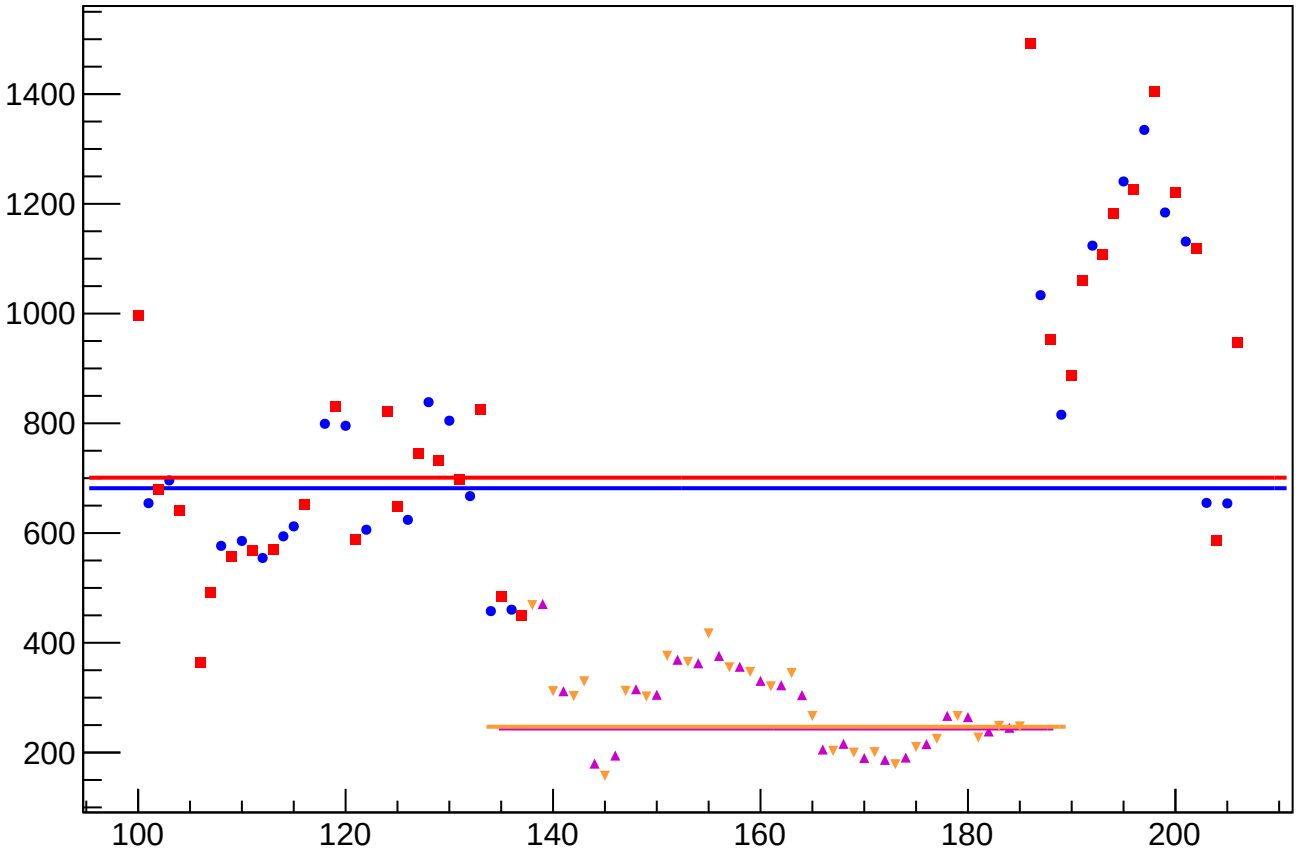
Right Out: -481.063+/-184.175 χ^2/NDF: 25.2/30

Left In: -23.469+/-59.397 χ^2/NDF:24.2/22

+ sign -271.118+/-55.956 χ^2/NDF: 101.6/49

All: -169.891+/-39.768 χ^2/NDF: 163.2/103

- sign -66.578+/-56.530 χ^2/NDF: 55.0/53



Right In: 681.730+/-0.136 χ^2/NDF: 2514232.1/24

Left Out: 246.995+/-0.041 χ^2/NDF:2925680.1/24

Right Out: 700.922+/-0.130 χ^2/NDF: 3663911.1/30

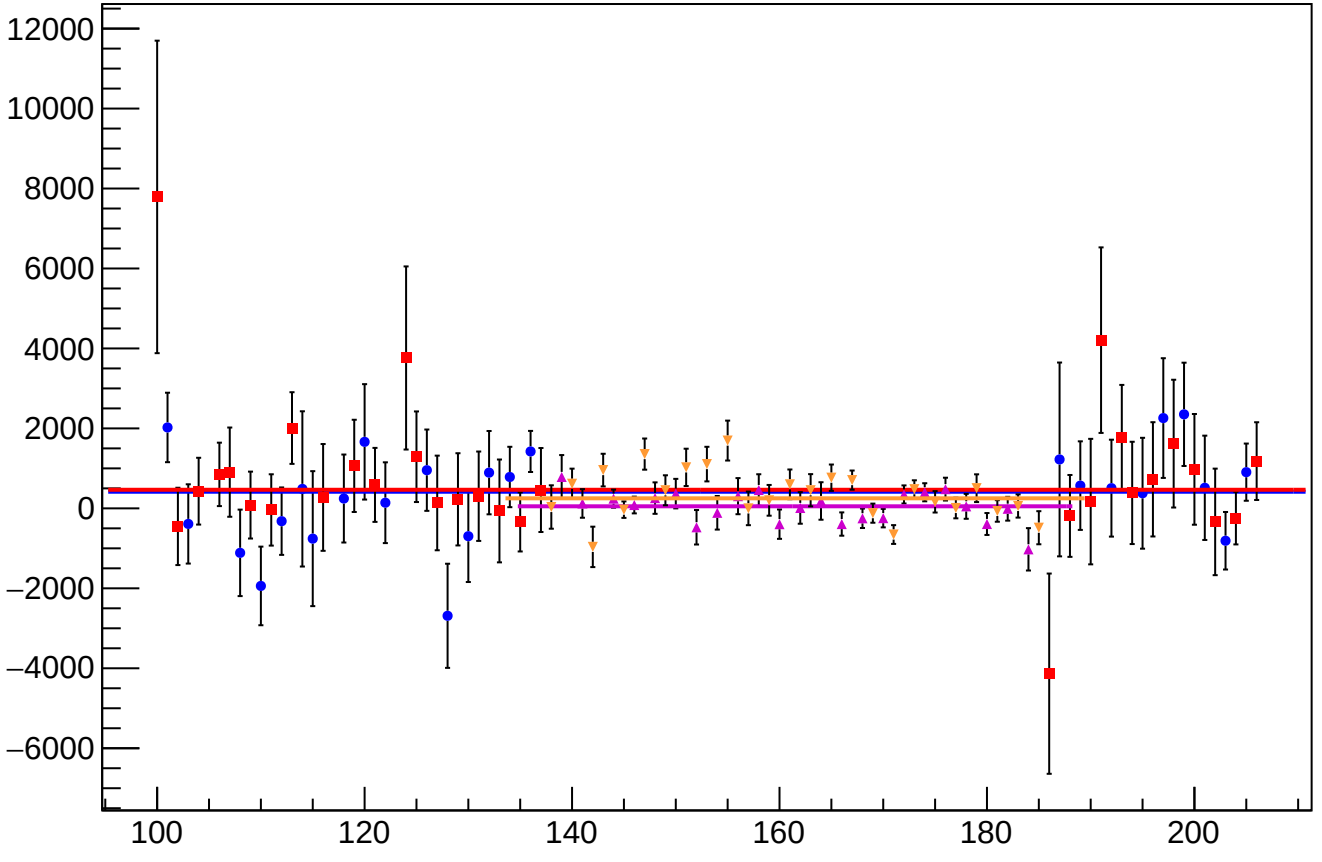
Left In: 243.825+/-0.042 χ^2/NDF:2490539.0/22

+ sign 283.992+/-0.040 χ^2/NDF: 14839223.5/49

All: 285.425+/-0.028 χ^2/NDF: 32155023.3/10

- sign 286.887+/-0.040 χ^2/NDF: 17313150.3/53

asym_sam_37_dd_mean vs Slug



Right In: 416.170+/-199.910 χ^2/NDF: 32.4/24

Left Out: 251.109+/-63.424 χ^2/NDF:67.5/24

Right Out: 465.043+/-195.462 χ^2/NDF: 22.9/30

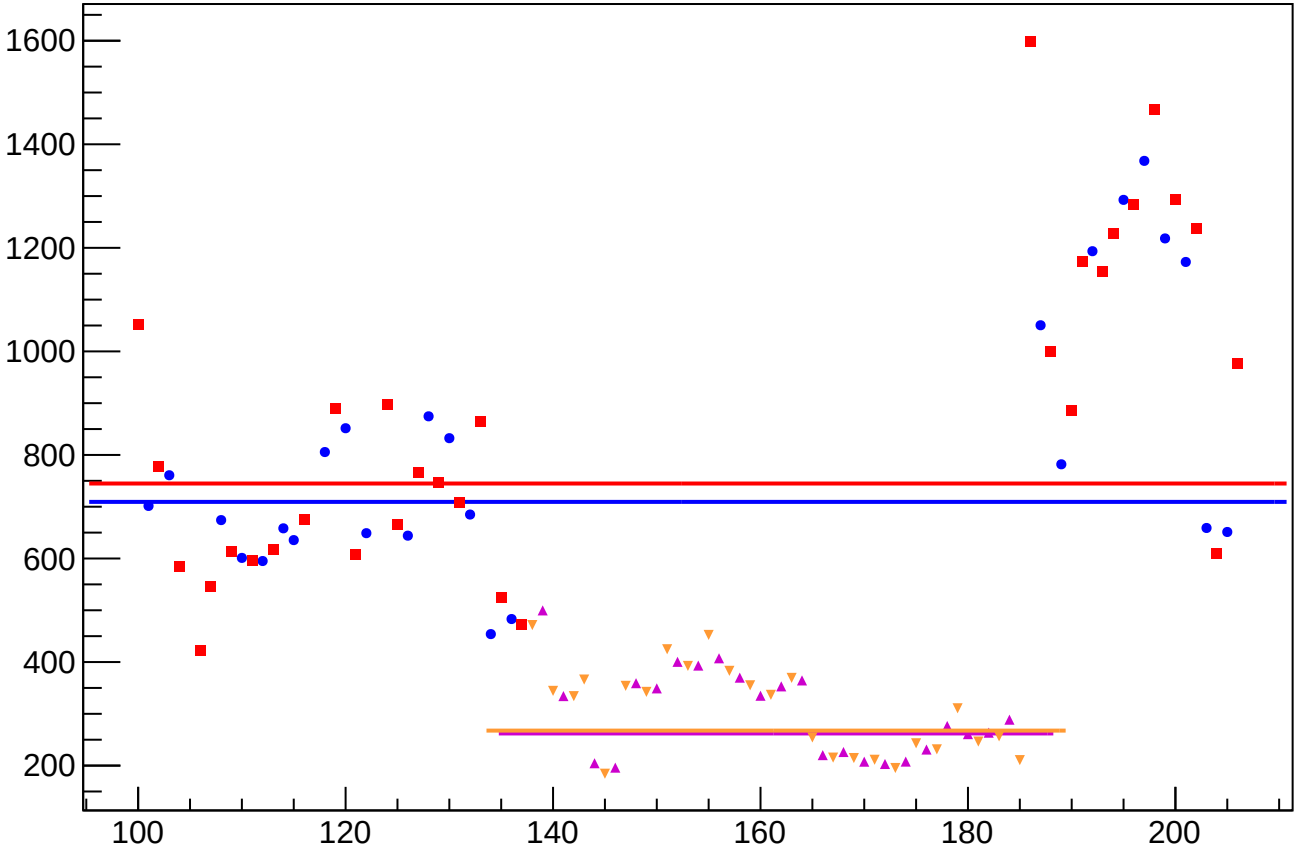
Left In: 51.707+/-63.843 χ^2/NDF:26.8/22

+ sign 266.204+/-60.454 χ^2/NDF: 100.5/49

All: 179.216+/-42.830 χ^2/NDF: 158.4/103

- sign 91.553+/-60.688 χ^2/NDF: 53.7/53

asym_sam_37_dd_rms vs Slug



Right In: 709.342+/-0.141 χ^2/NDF: 2490727.6/24

Left Out: 267.589+/-0.045 χ^2/NDF:2801460.2/24

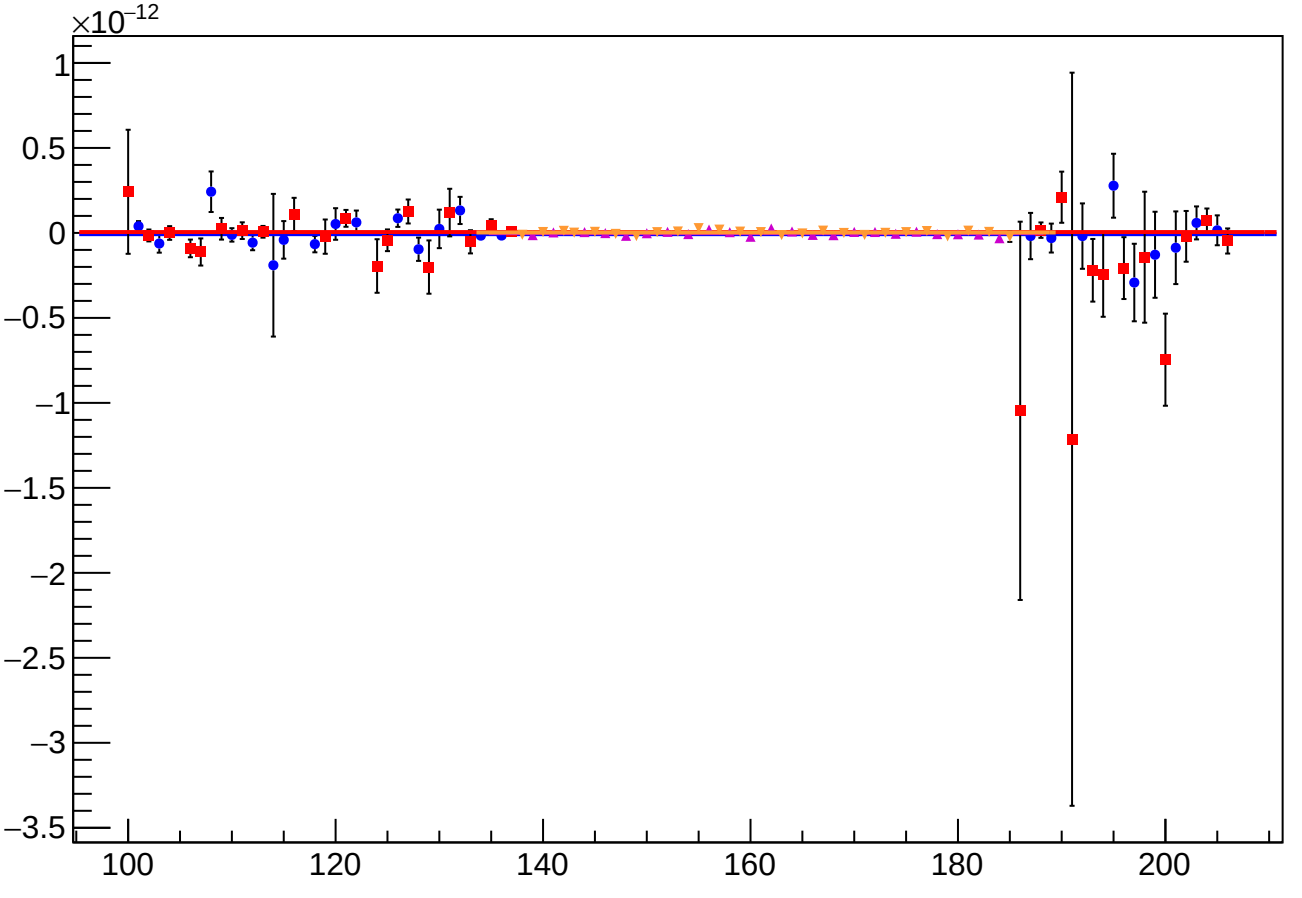
Right Out: 744.815+/-0.138 χ^2/NDF: 3455284.5/30

Left In: 262.092+/-0.045 χ^2/NDF:2537465.8/22

+ sign 307.987+/-0.043 χ^2/NDF: 14165136.8/49

All: 308.306+/-0.030 χ^2/NDF: 31180364.4/10

- sign 308.627+/-0.043 χ^2/NDF: 17015116.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 25.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:15.2/24

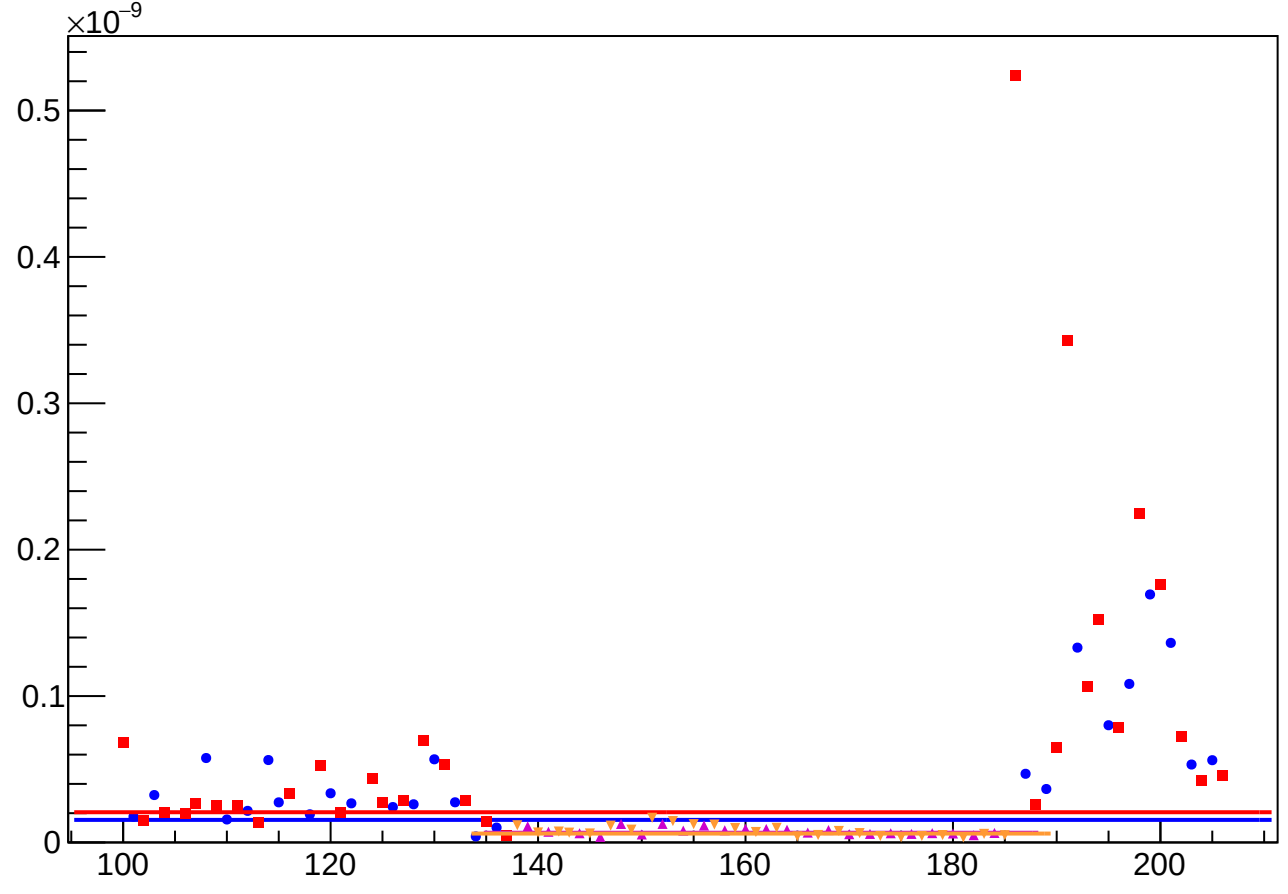
Right Out: 0.000+/-0.000 χ^2/NDF: 36.3/30

Left In: -0.000+/-0.000 χ^2/NDF:12.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 42.1/49

All: 0.000+/-0.000 χ^2/NDF: 91.6/103

- sign -0.000+/-0.000 χ^2/NDF: 48.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 5860252.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:2413933.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5559070.8/30

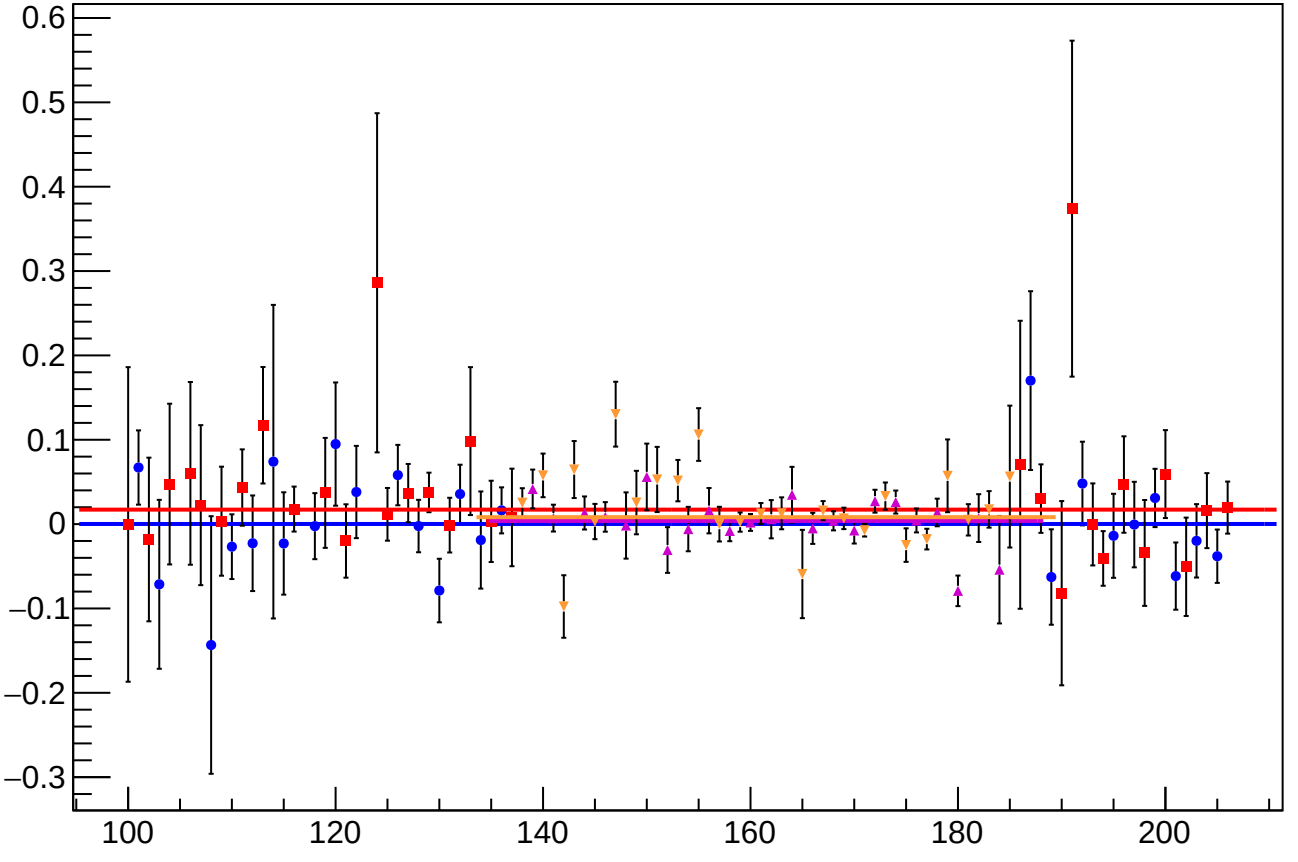
Left In: 0.000+/-0.000 χ^2/NDF:1176996.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10214896.1/49

All: 0.000+/-0.000 χ^2/NDF: 20210558.5/103

- sign 0.000+/-0.000 χ^2/NDF: 9907245.9/53

asym_sam_37_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

Right Out: 0.017+/-0.008 χ^2/NDF: 18.4/30

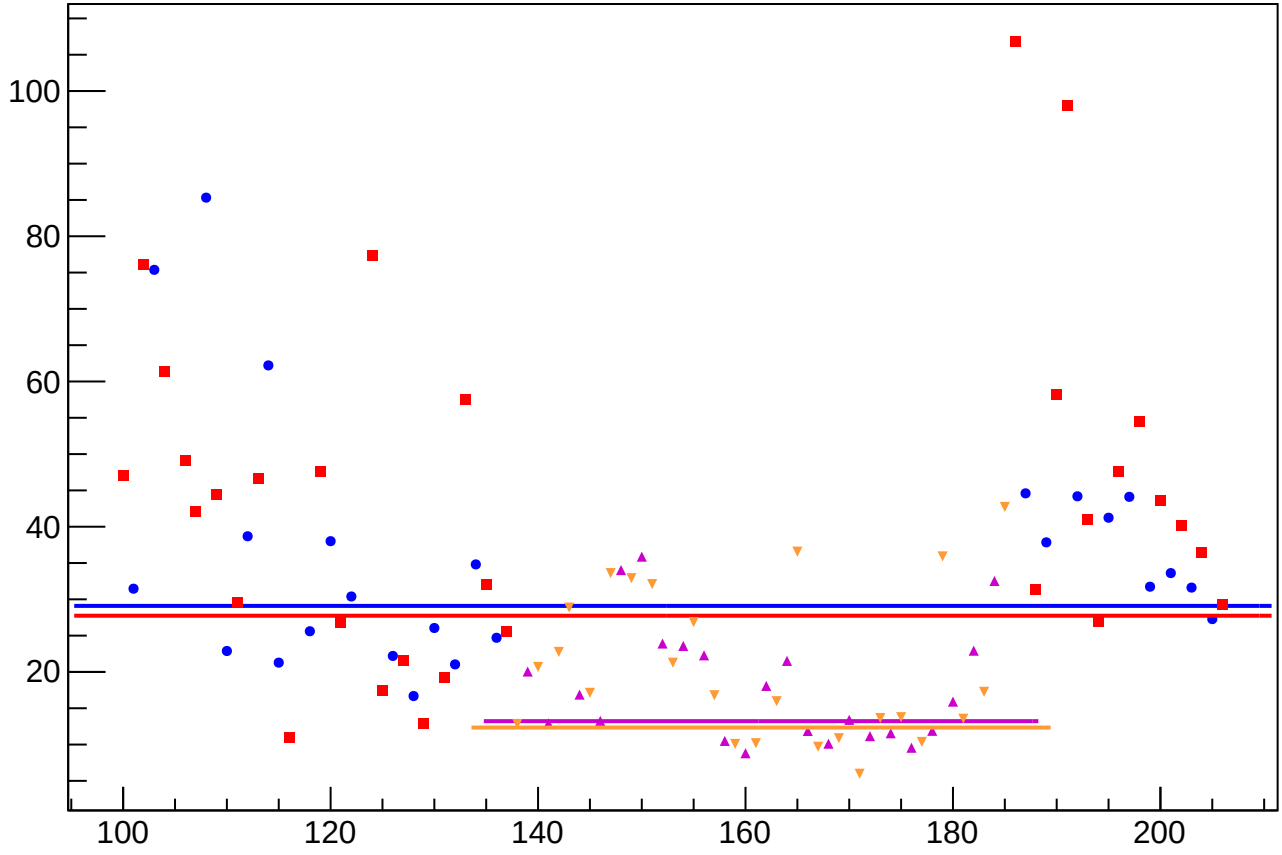
Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.007+/-0.003 χ^2/NDF: 84.6/49

All: 0.007+/-0.002 χ^2/NDF: 142.4/103

- sign 0.006+/-0.003 χ^2/NDF: 57.7/53

asym_sam_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 29.097+/-0.006 χ^2/NDF: 2163269.8/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

Right Out: 27.742+/-0.006 χ^2/NDF: 5714894.1/30

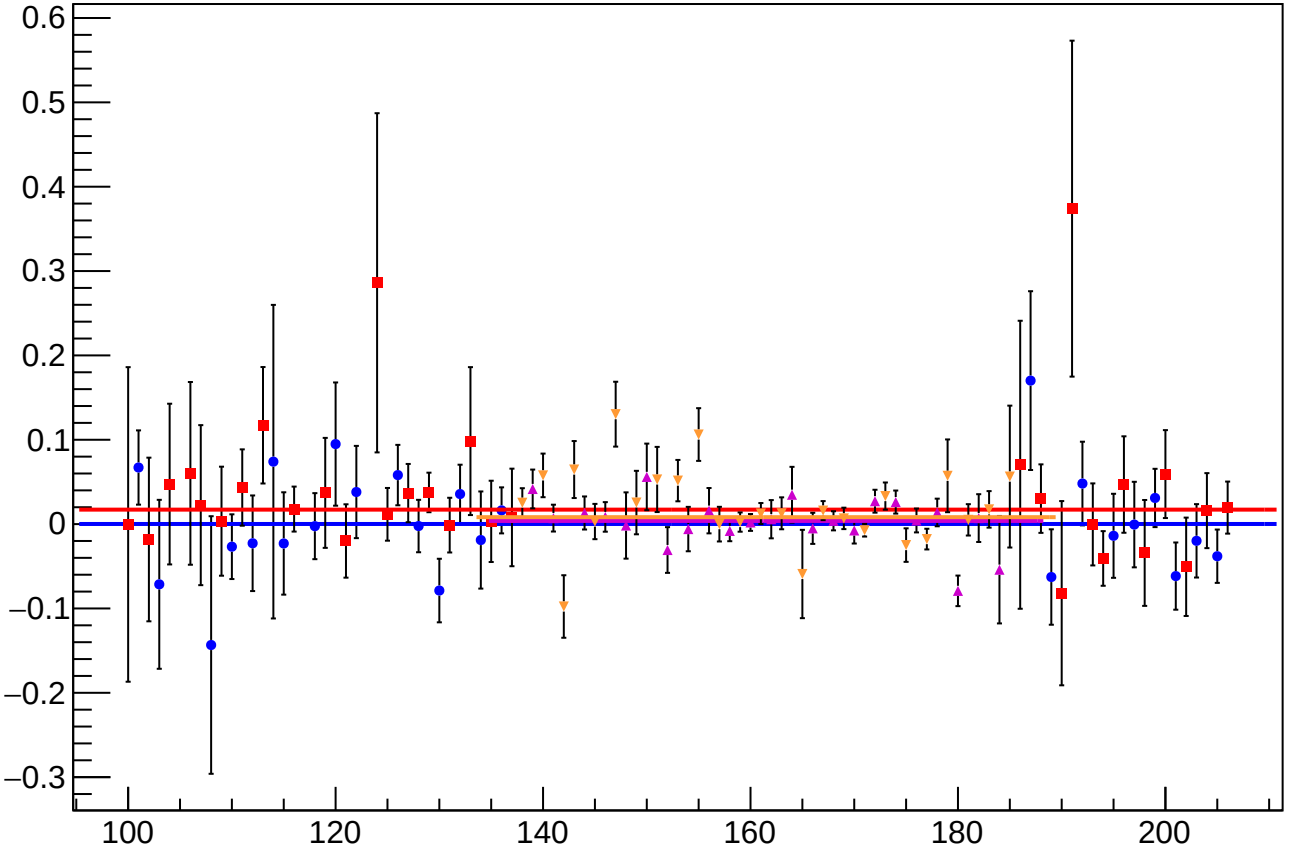
Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.549+/-0.002 χ^2/NDF: 15104210.0/49

All: 15.001+/-0.002 χ^2/NDF: 29743235.5/103

- sign 15.486+/-0.002 χ^2/NDF: 14557445.0/53

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

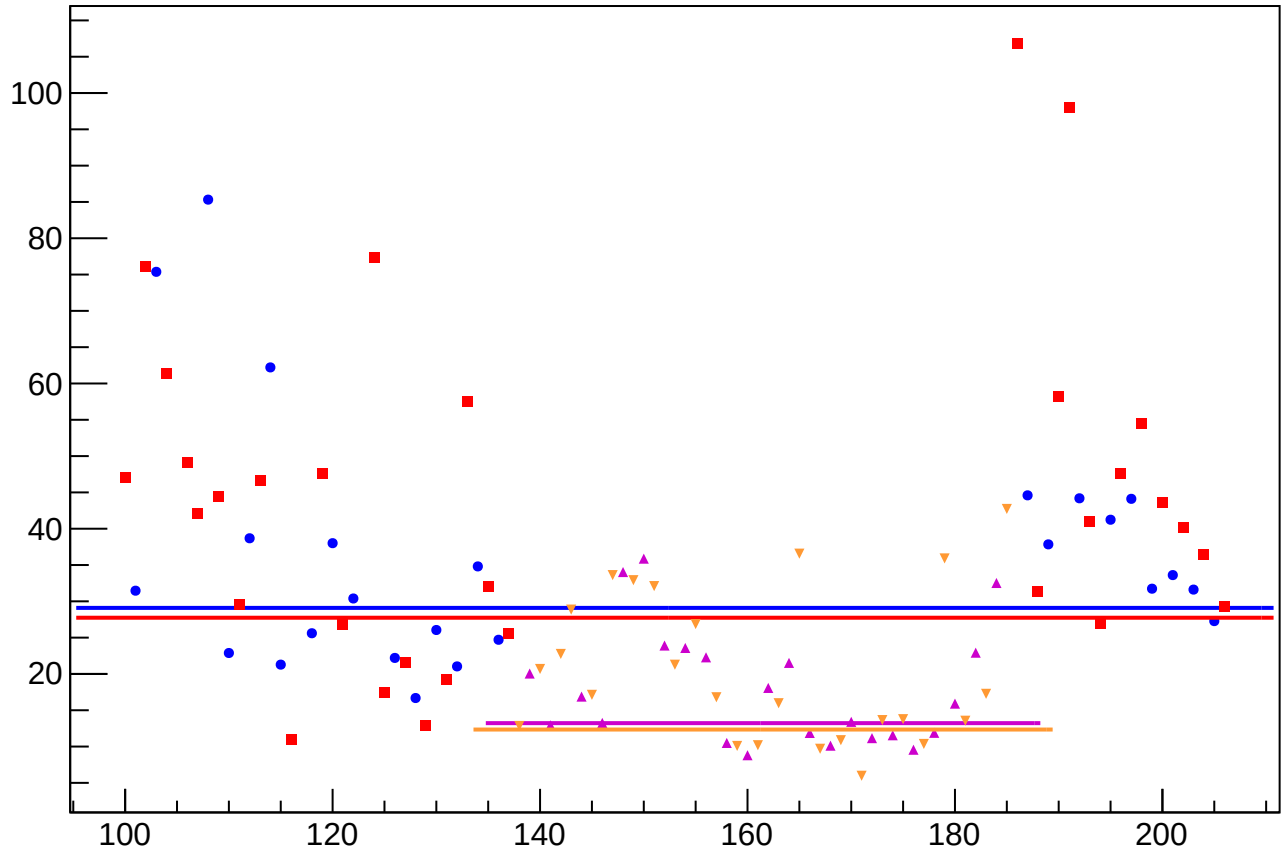
Right Out: 0.017+/-0.008 χ^2/NDF: 18.4/30

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.007+/-0.003 χ^2/NDF: 84.6/49

All: 0.007+/-0.002 χ^2/NDF: 142.4/103

- sign 0.006+/-0.003 χ^2/NDF: 57.7/53



Right In: 29.097+/-0.006 χ^2/NDF: 2163269.8/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743594.0/24

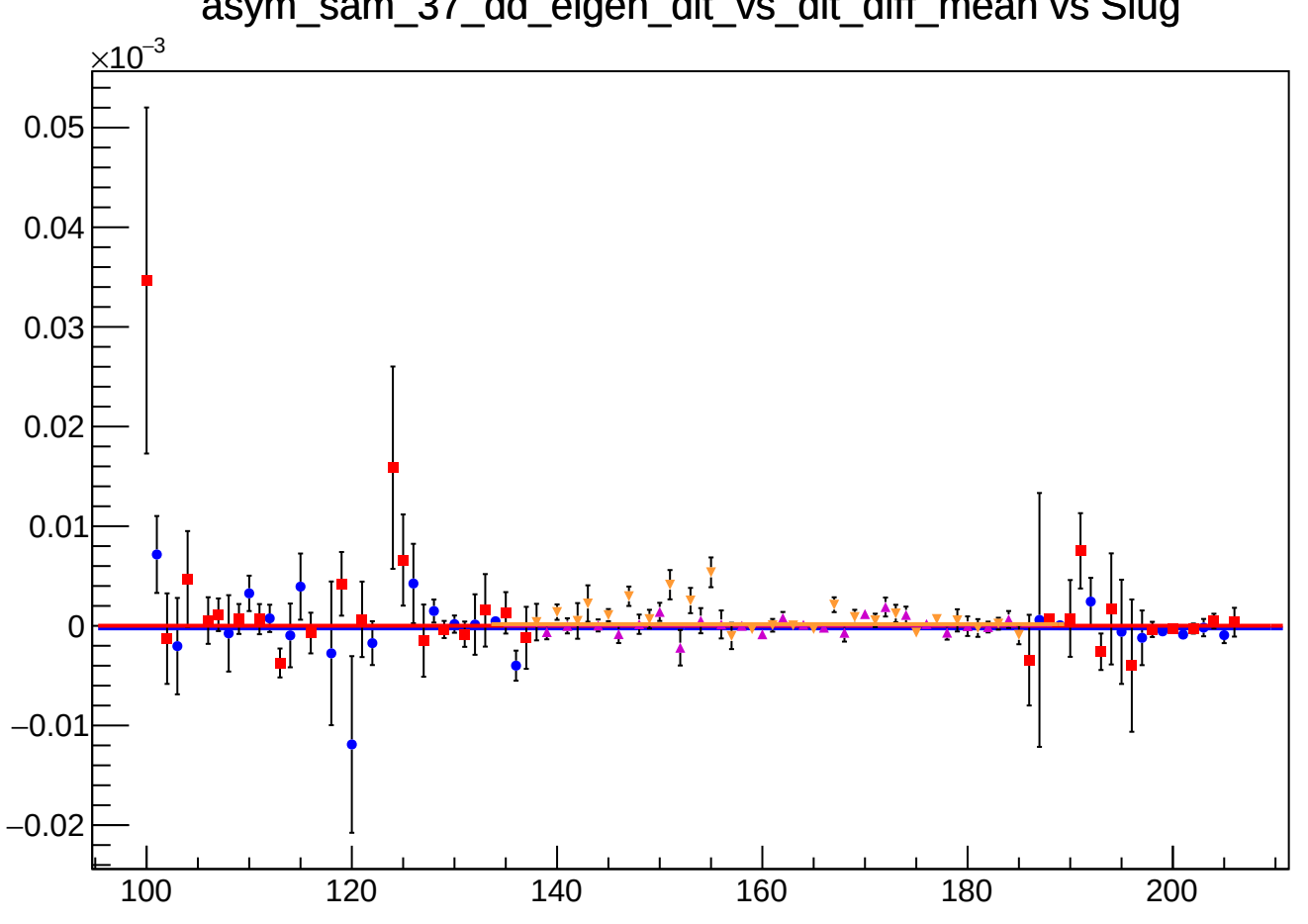
Right Out: 27.742+/-0.006 χ^2/NDF: 5714894.1/30

Left In: 13.225+/-0.003 χ^2/NDF:3870352.4/22

+ sign 14.549+/-0.002 χ^2/NDF: 15104210.0/49

All: 15.001+/-0.002 χ^2/NDF: 29743235.5/103

- sign 15.486+/-0.002 χ^2/NDF: 14557445.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 30.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:61.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 31.3/30

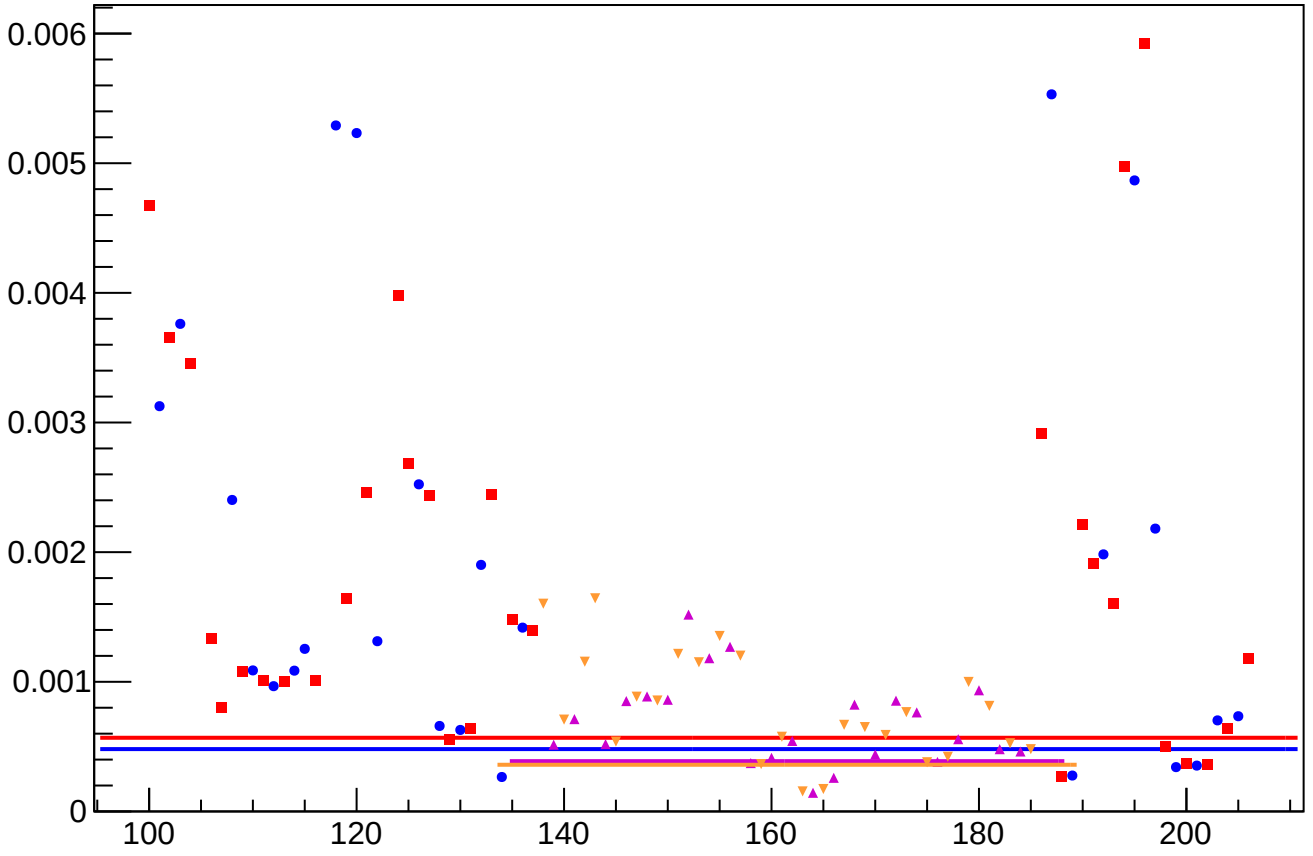
Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 95.8/49

All: 0.000+/-0.000 χ^2/NDF: 151.7/103

- sign 0.000+/-0.000 χ^2/NDF: 55.9/53

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 11525754.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:14019628.7/24

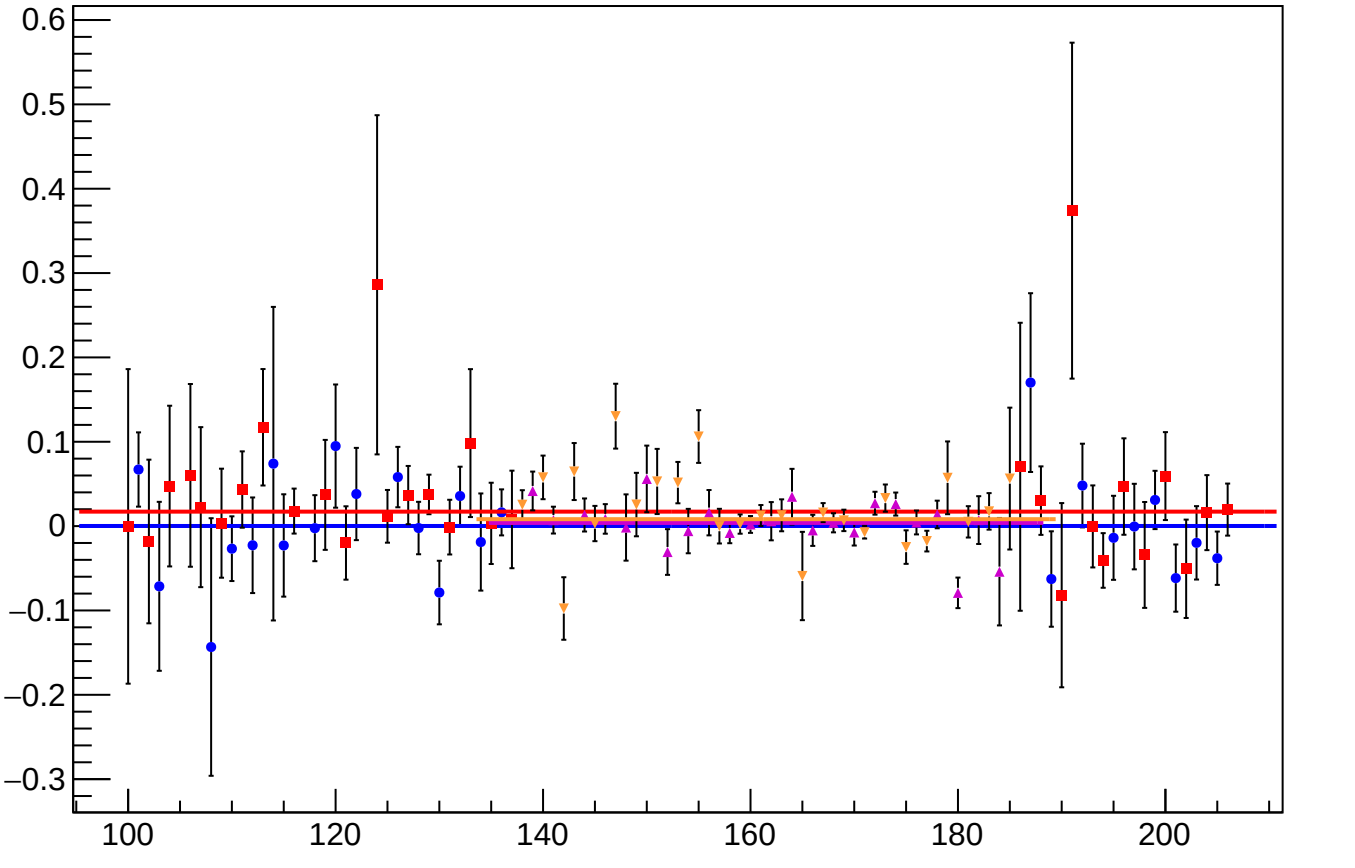
Right Out: 0.001+/-0.000 χ^2/NDF: 12039239.1/30

Left In: 0.000+/-0.000 χ^2/NDF:10459340.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 26210650.8/49

All: 0.000+/-0.000 χ^2/NDF: 50103643.6/103

- sign 0.000+/-0.000 χ^2/NDF: 23713100.7/53



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

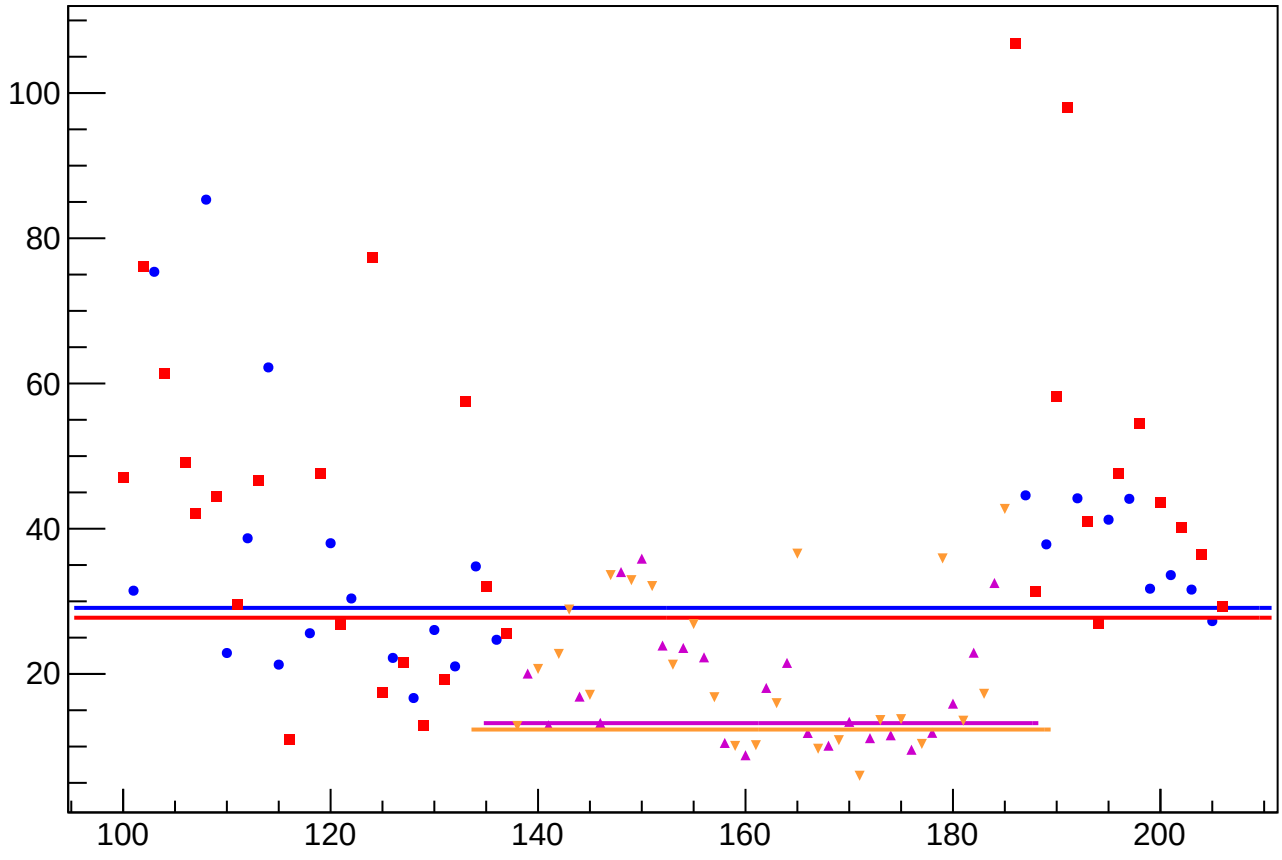
Right Out: 0.017+/-0.008 χ^2/NDF: 18.4/30

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.007+/-0.003 χ^2/NDF: 84.6/49

All: 0.007+/-0.002 χ^2/NDF: 142.4/103

- sign 0.006+/-0.003 χ^2/NDF: 57.7/53



Right In: 29.097+/-0.006 χ^2/NDF: 2163193.3/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

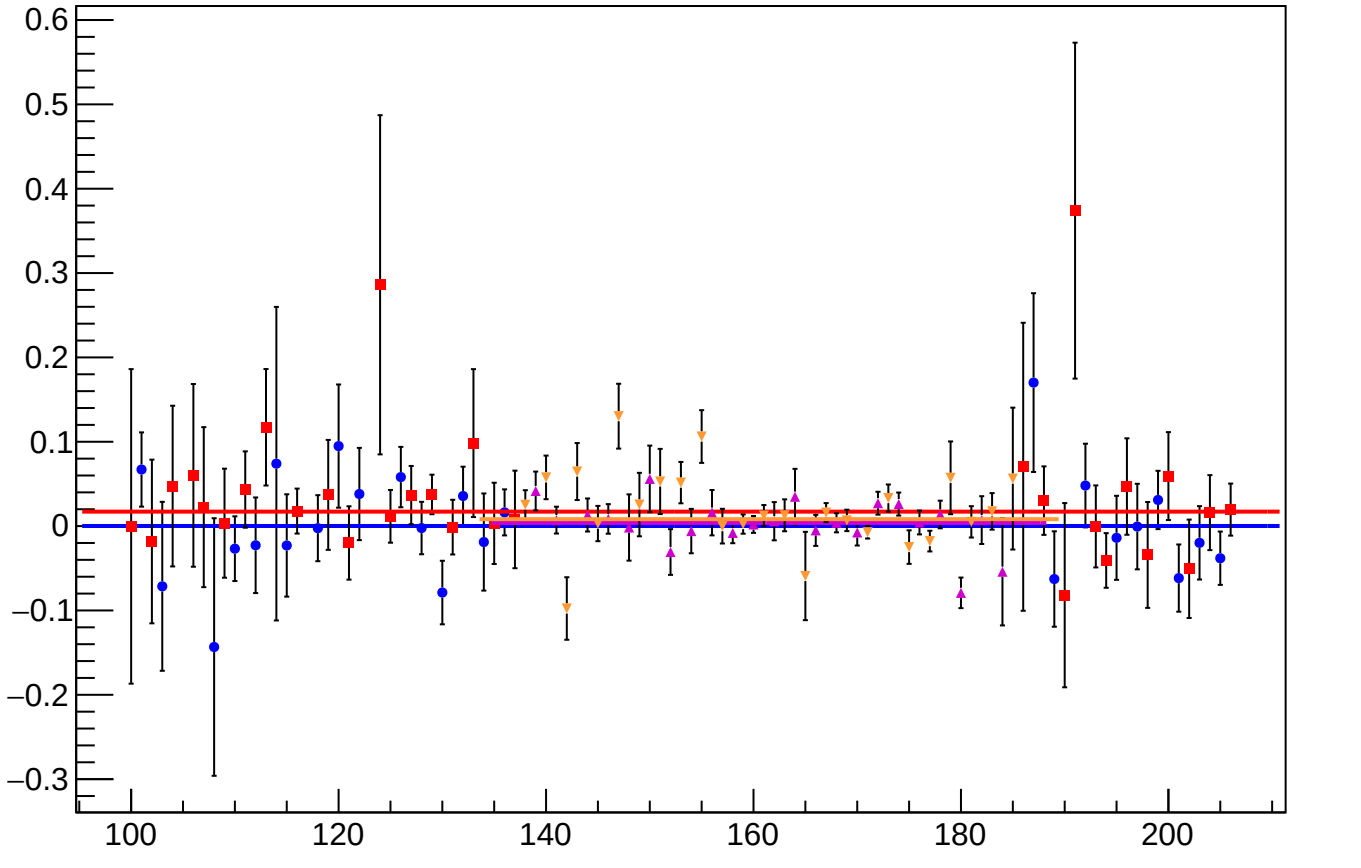
Right Out: 27.743+/-0.006 χ^2/NDF: 5714565.5/30

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

+ sign 14.549+/-0.002 χ^2/NDF: 15104436.6/49

All: 15.001+/-0.002 χ^2/NDF: 29743553.3/103

- sign 15.486+/-0.002 χ^2/NDF: 14557540.5/53



Right In: 0.000+/-0.009 χ^2/NDF: 25.0/24

Left Out: 0.008+/-0.003 χ^2/NDF:58.8/24

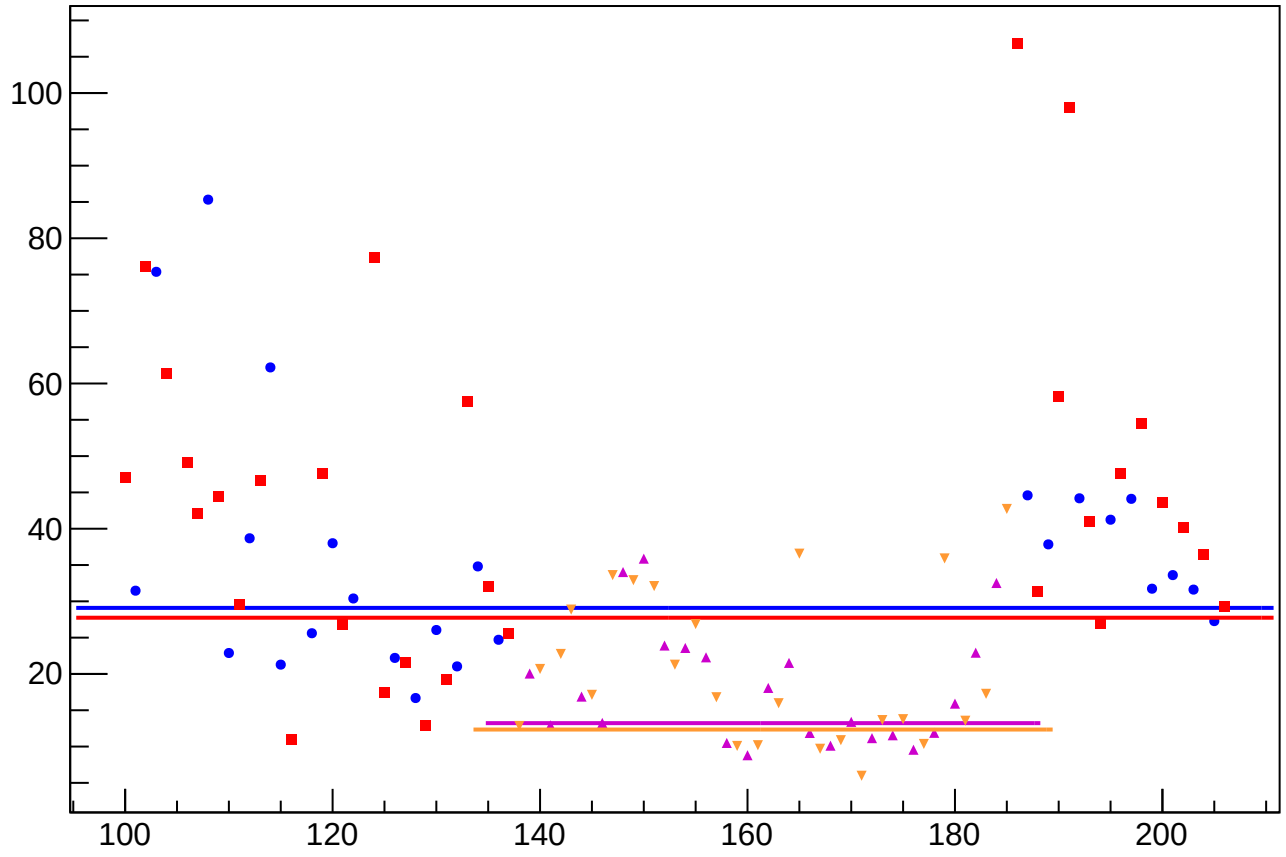
Right Out: 0.017+/-0.008 χ^2/NDF: 18.4/30

Left In: 0.004+/-0.004 χ^2/NDF:37.2/22

+ sign 0.007+/-0.003 χ^2/NDF: 84.6/49

All: 0.007+/-0.002 χ^2/NDF: 142.4/103

- sign 0.006+/-0.003 χ^2/NDF: 57.7/53



Right In: 29.097+/-0.006 χ^2/NDF: 2163193.3/24

Left Out: 12.343+/-0.002 χ^2/NDF:6743823.4/24

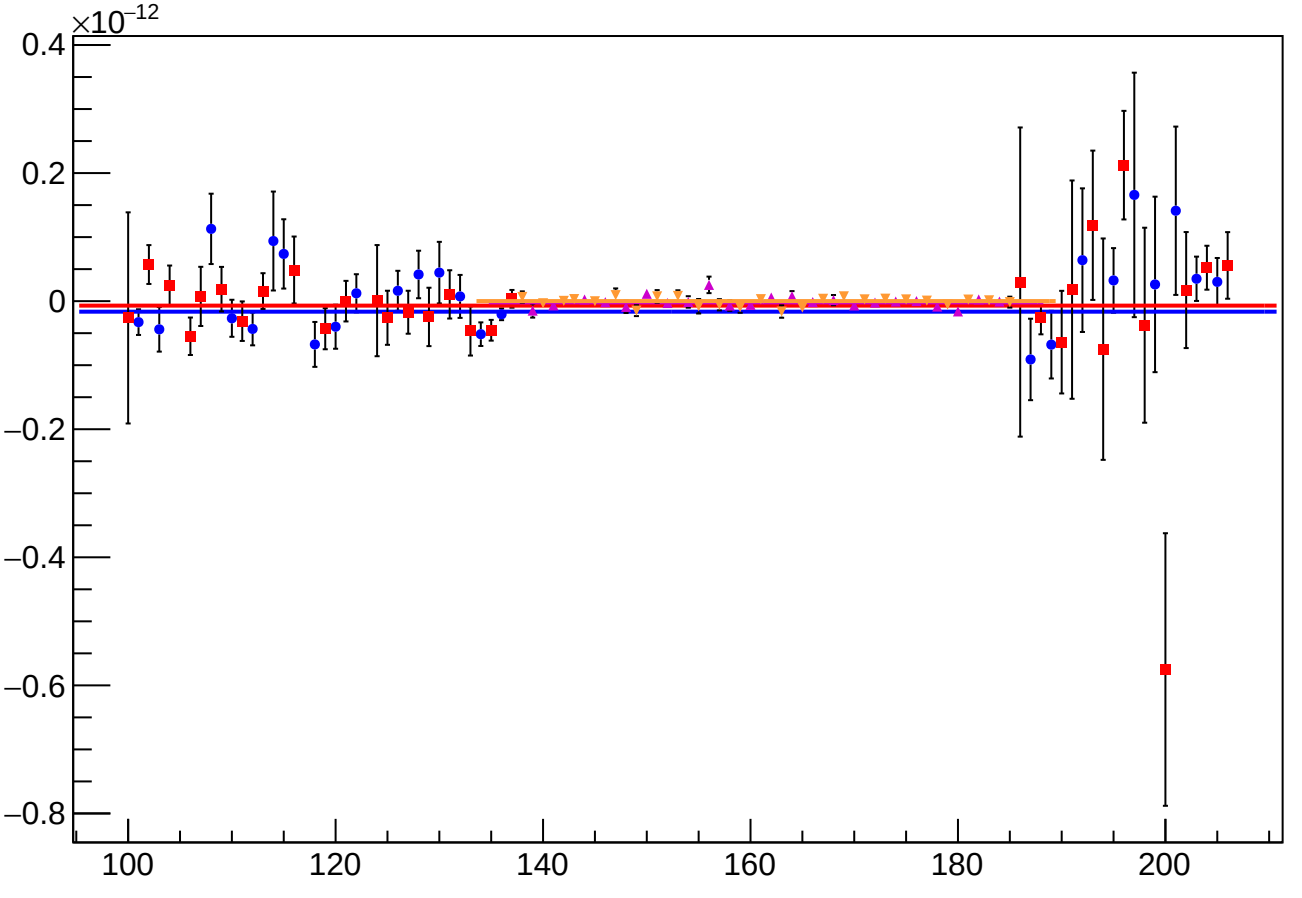
Right Out: 27.743+/-0.006 χ^2/NDF: 5714565.5/30

Left In: 13.225+/-0.003 χ^2/NDF:3870507.9/22

\+ sign 14.549+/-0.002 χ^2/NDF: 15104436.6/49

All: 15.001+/-0.002 χ^2/NDF: 29743553.3/103

\- sign 15.486+/-0.002 χ^2/NDF: 14557540.5/53



Right In: -0.000+/-0.000 χ^2/NDF: 35.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.5/24

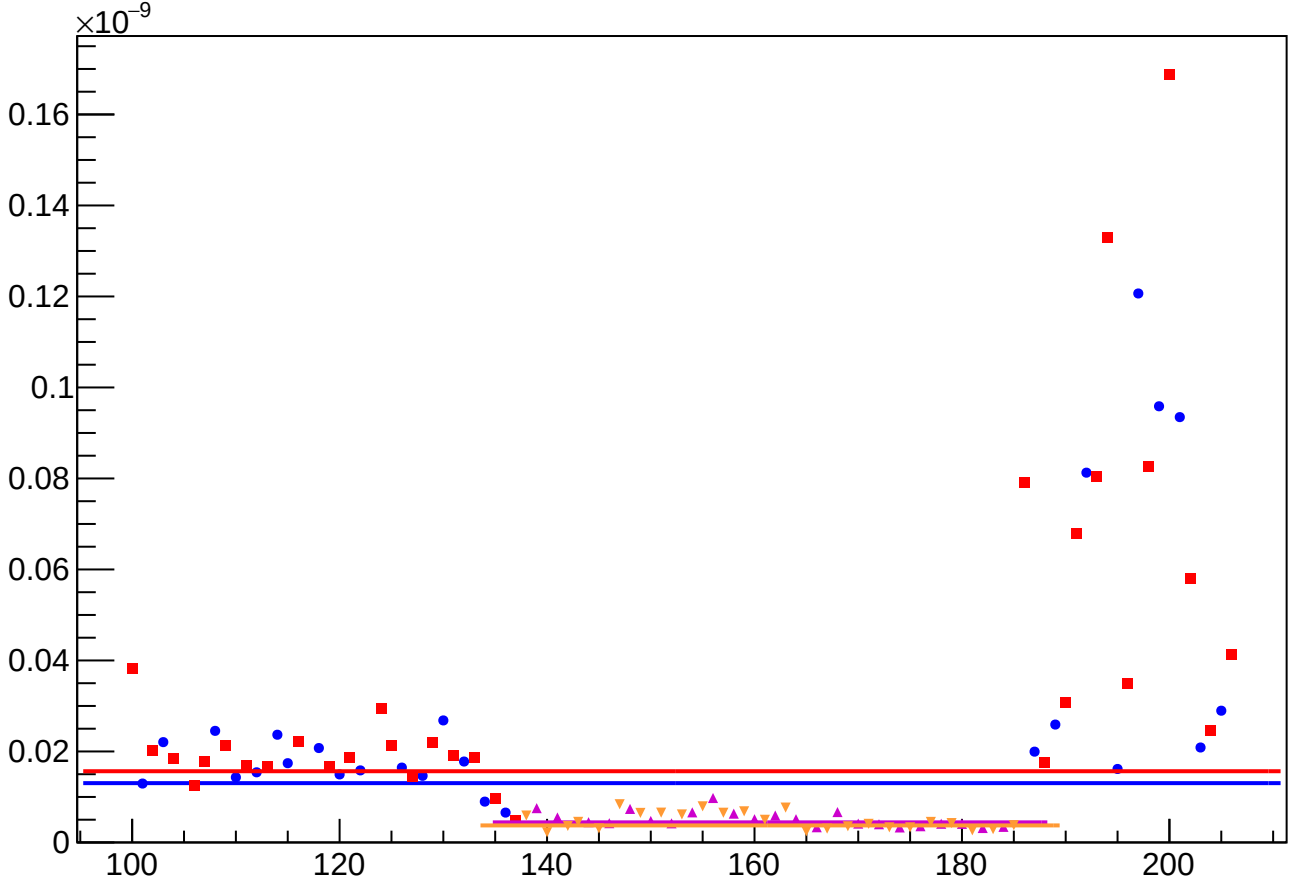
Right Out: -0.000+/-0.000 χ^2/NDF: 41.3/30

Left In: -0.000+/-0.000 χ^2/NDF:25.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 65.4/49

All: -0.000+/-0.000 χ^2/NDF: 133.6/103

- sign -0.000+/-0.000 χ^2/NDF: 67.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 5206020.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:3083424.2/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6417451.7/30

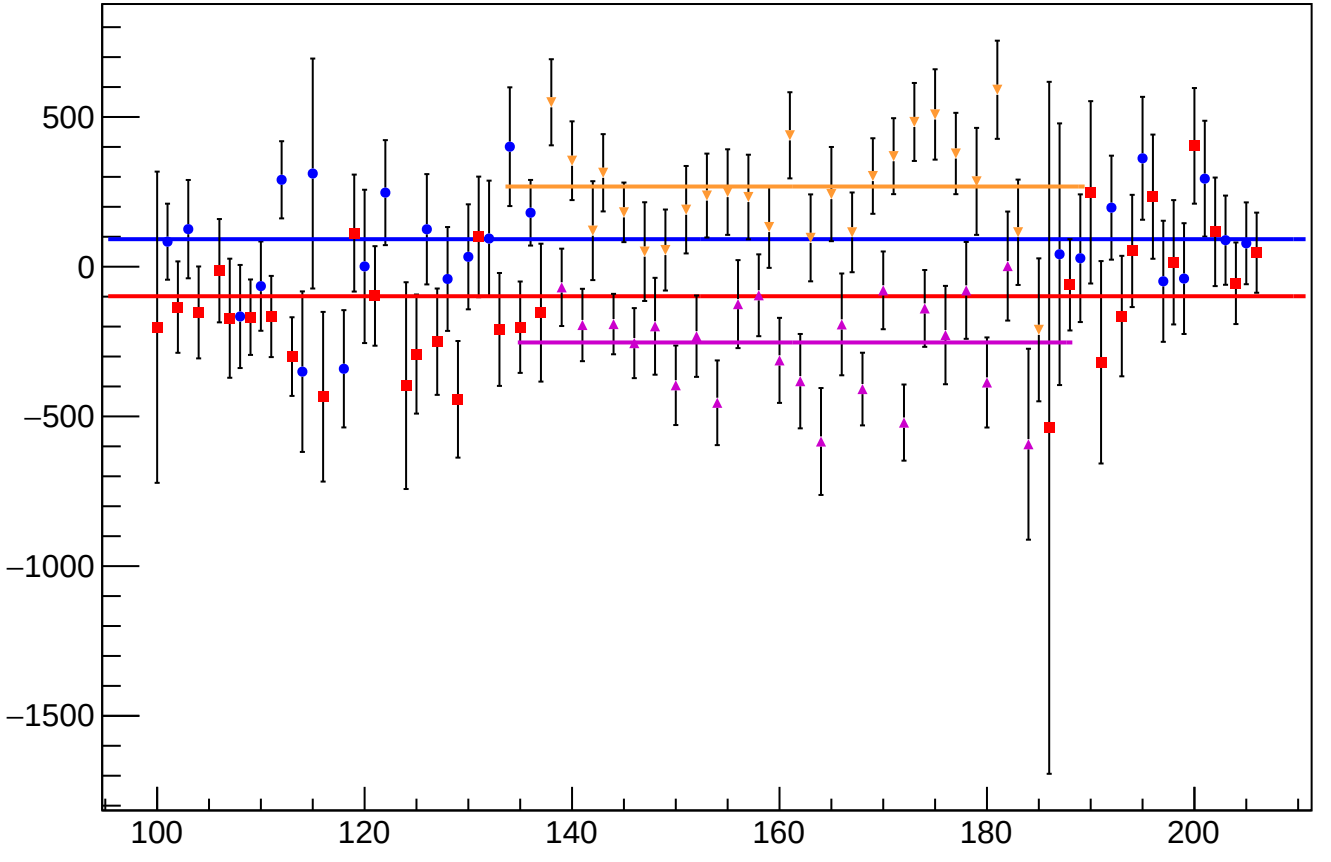
Left In: 0.000+/-0.000 χ^2/NDF:1736522.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13309707.4/49

All: 0.000+/-0.000 χ^2/NDF: 27960330.7/103

- sign 0.000+/-0.000 χ^2/NDF: 14241942.0/53

reg_asym_sam_48_dd_mean vs Slug



Right In: 91.909+/-34.784 χ^2/NDF: 22.7/24

Left Out: 267.782+/-28.407 χ^2/NDF:31.0/24

Right Out: -98.608+/-32.715 χ^2/NDF: 28.5/30

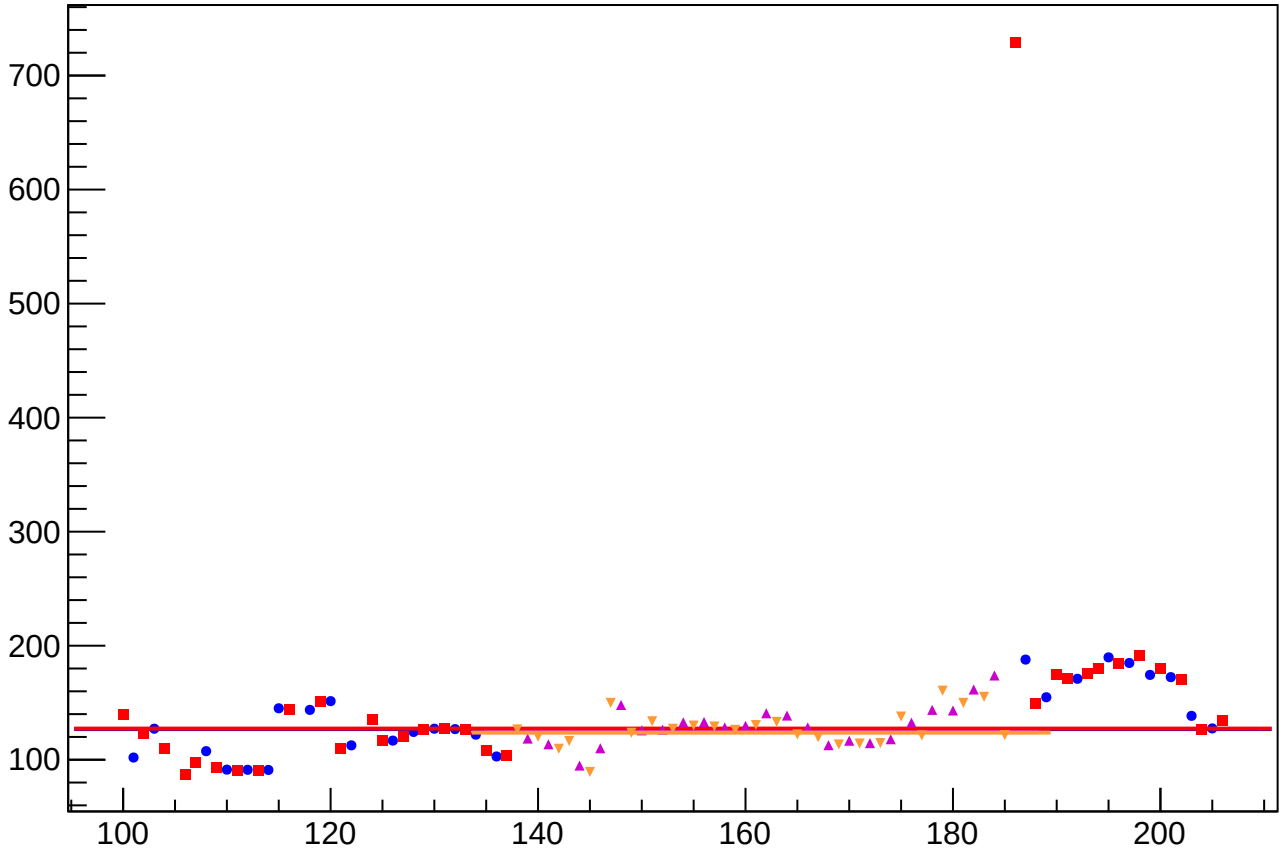
Left In: -253.048+/-29.313 χ^2/NDF:26.2/22

+ sign 197.414+/-22.002 χ^2/NDF: 69.1/49

All: 5.082+/-15.497 χ^2/NDF: 287.7/103

- sign -184.273+/-21.831 χ^2/NDF: 67.0/53

reg_asym_sam_48_dd_rms vs Slug



Right In: 126.890+/-0.025 χ^2/NDF: 1369779.5/24

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 127.311+/-0.023 χ^2/NDF: 2309962.3/30

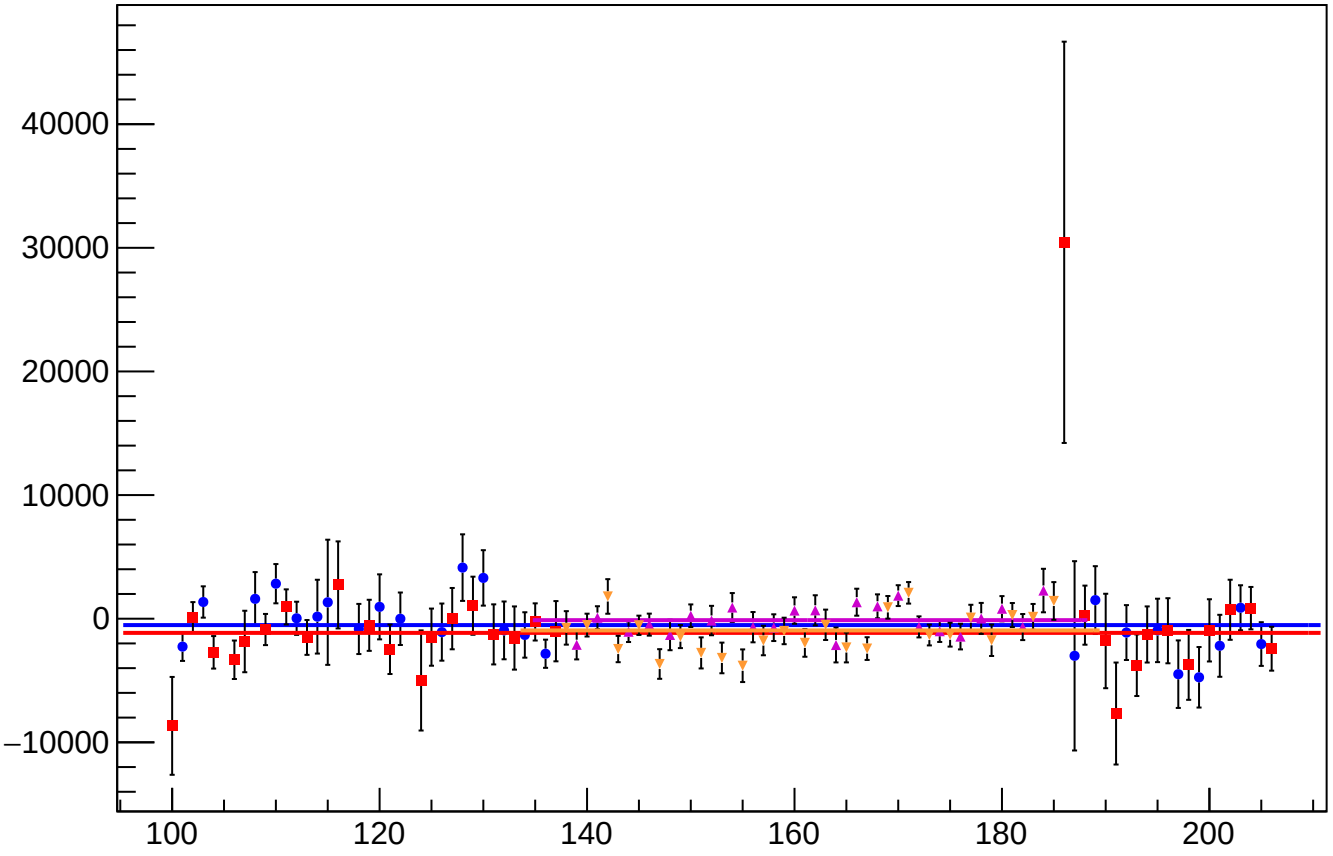
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 125.041+/-0.016 χ^2/NDF: 1977644.5/49

All: 125.332+/-0.011 χ^2/NDF: 4855174.0/103

- sign 125.618+/-0.015 χ^2/NDF: 2876835.1/53

asym_sam_48_dd_reg_correction_mean vs Slug



Right In: -516.607+/-387.464 χ^2/NDF: 28.5/24

Left Out: -947.720+/-211.794 χ^2/NDF:50.3/24

Right Out: -1147.174+/-365.047 χ^2/NDF: 25.6/30

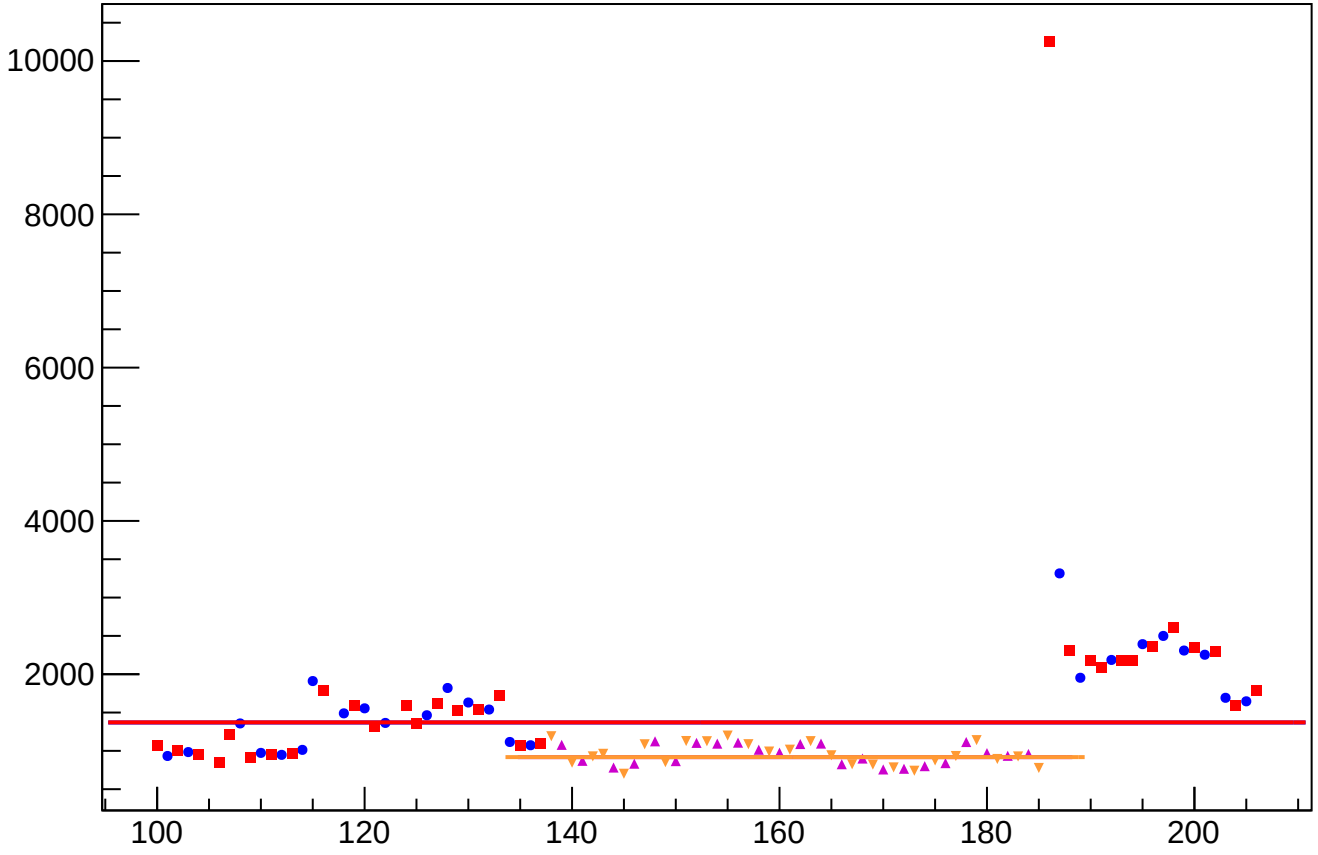
Left In: -118.433+/-217.165 χ^2/NDF:24.4/22

+ sign -848.542+/-185.842 χ^2/NDF: 79.8/49

All: -618.925+/-131.690 χ^2/NDF: 138.7/103

- sign -387.339+/-186.637 χ^2/NDF: 55.9/53

asym_sam_48_dd_reg_correction_rms vs Slug



Right In: 1369.852+/-0.274 χ^2/NDF: 2937967.2/24

Left Out: 918.501+/-0.150 χ^2/NDF:887820.0/24

Right Out: 1371.838+/-0.258 χ^2/NDF: 4401992.8/30

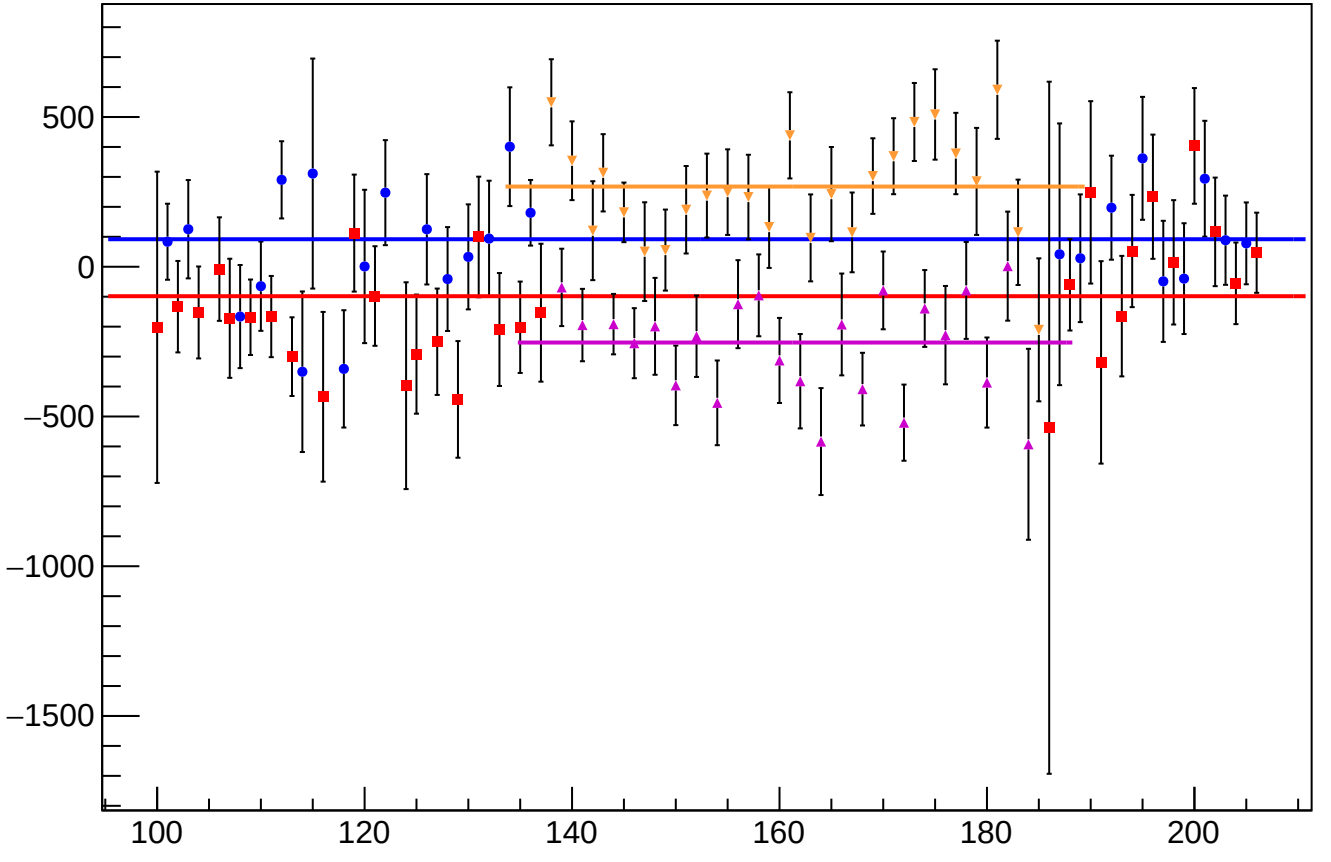
Left In: 918.214+/-0.154 χ^2/NDF:666262.3/22

+ sign 1022.335+/-0.131 χ^2/NDF: 5915352.8/49

All: 1029.531+/-0.093 χ^2/NDF: 13270691.7/1

- sign 1036.789+/-0.132 χ^2/NDF: 7349315.8/53

cor_asym_sam_48_dd_mean vs Slug



Right In: 91.898+/-34.784 χ^2/NDF: 22.7/24

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -98.347+/-32.718 χ^2/NDF: 28.5/30

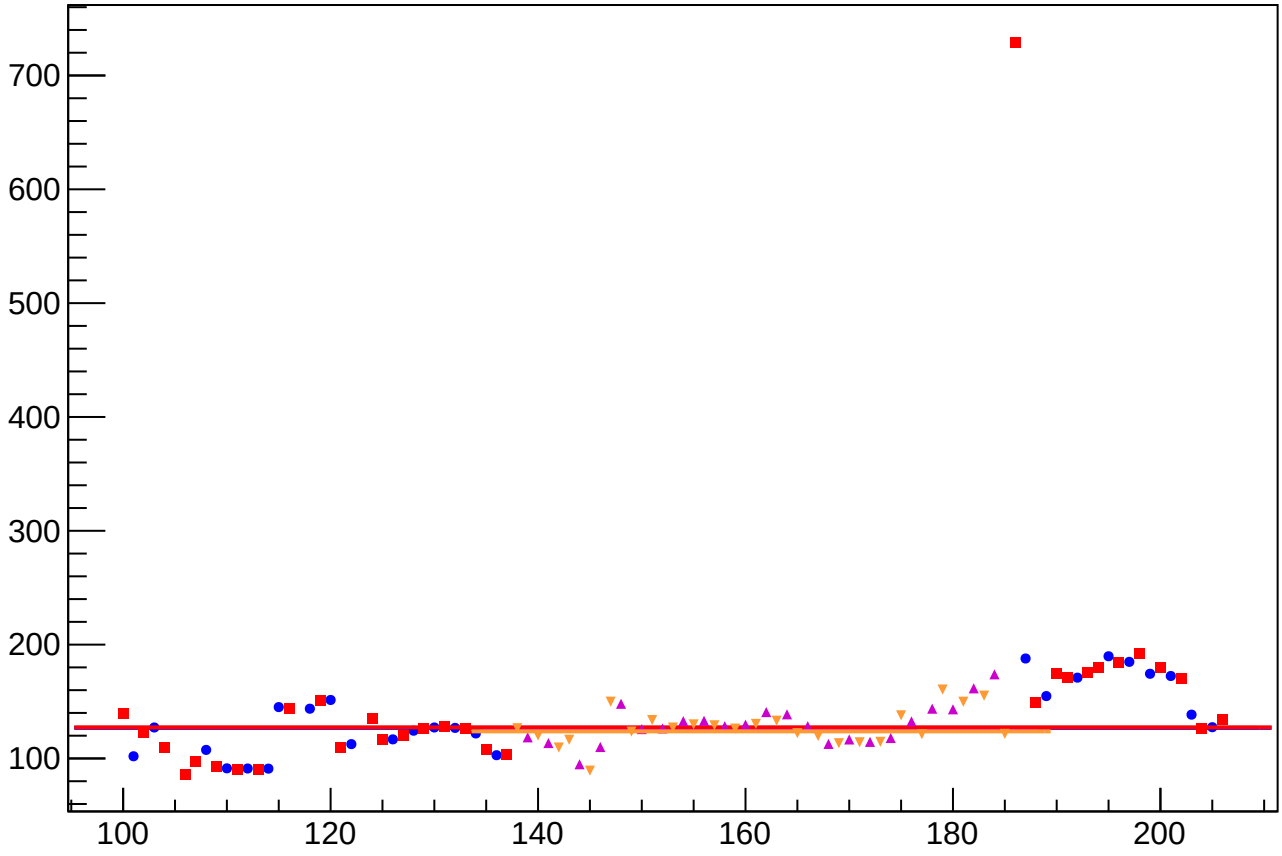
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 197.415+/-22.002 χ^2/NDF: 69.1/49

All: 5.144+/-15.498 χ^2/NDF: 287.7/103

- sign -184.165+/-21.832 χ^2/NDF: 67.1/53

cor_asym_sam_48_dd_rms vs Slug



Right In: 126.890+/-0.025 χ^2/NDF: 1369779.5/24

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

Right Out: 127.278+/-0.023 χ^2/NDF: 2315788.2/30

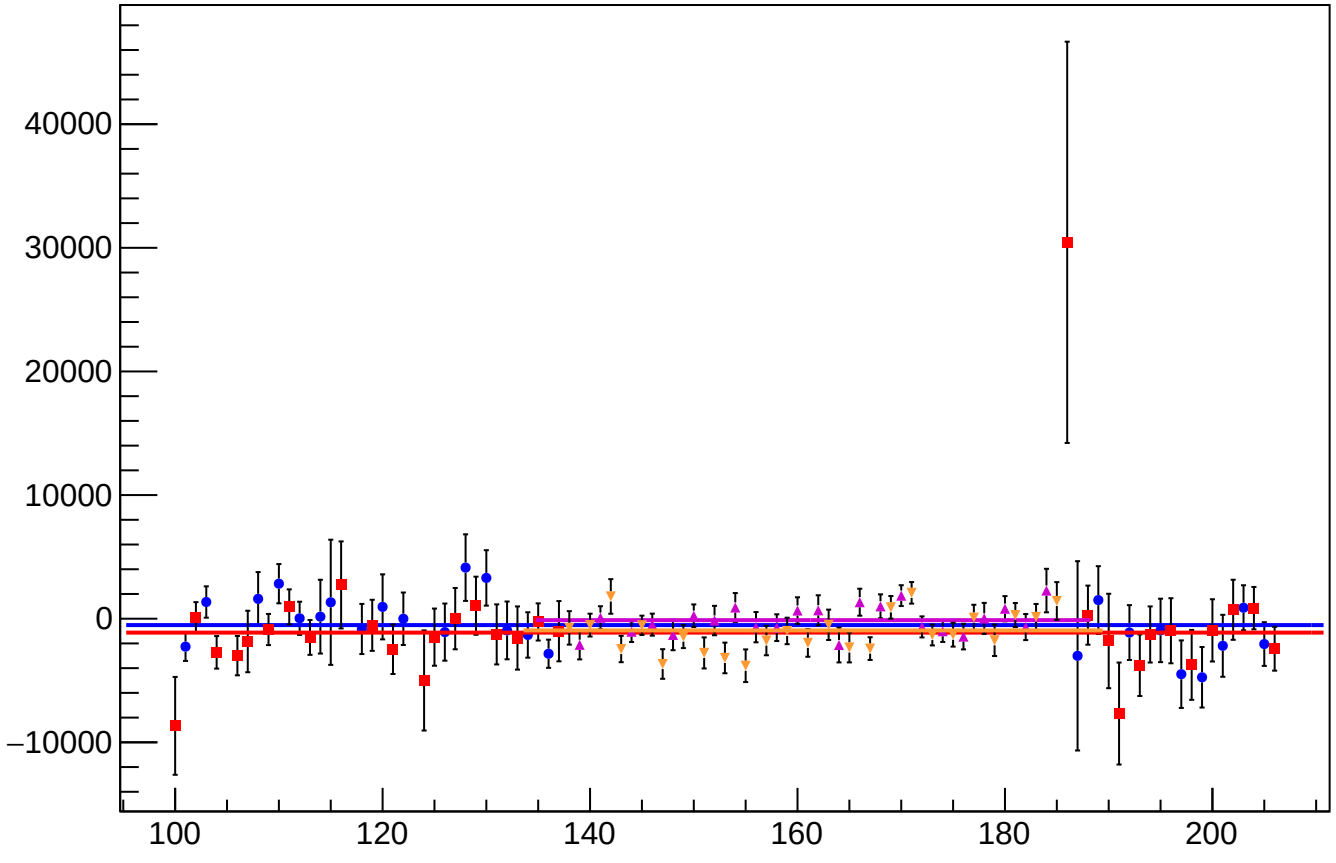
Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 125.041+/-0.016 χ^2/NDF: 1977644.7/49

All: 125.324+/-0.011 χ^2/NDF: 4860755.1/103

- sign 125.603+/-0.015 χ^2/NDF: 2882451.4/53

asym_sam_48_dd_cor_correction_mean vs Slug



Right In: -516.677+/-387.467 χ^2/NDF: 28.5/24

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

Right Out: -1124.379+/-365.520 χ^2/NDF: 25.0/30

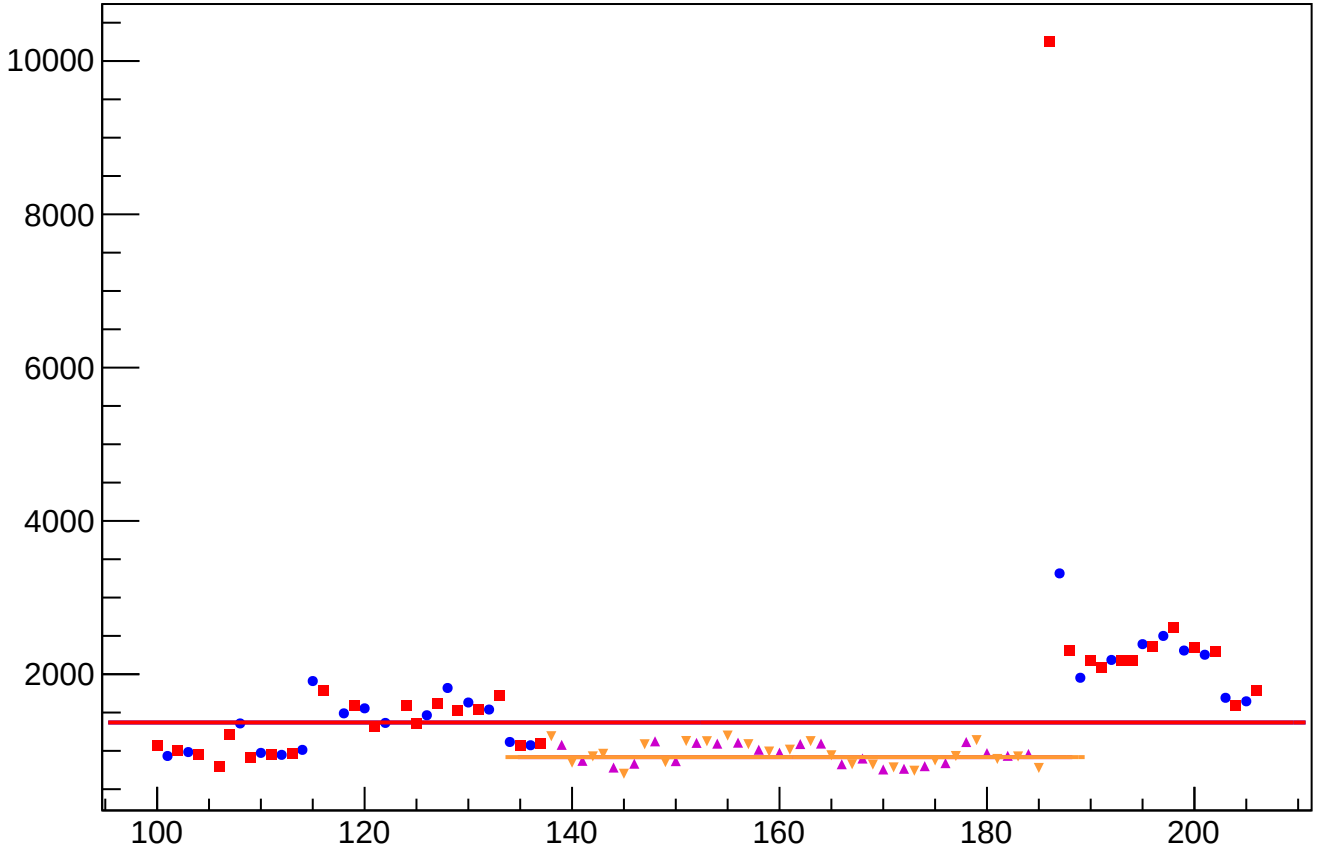
Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -848.551+/-185.842 χ^2/NDF: 79.8/49

All: -615.792+/-131.712 χ^2/NDF: 137.9/103

- sign -380.881+/-186.700 χ^2/NDF: 55.0/53

asym_sam_48_dd_cor_correction_rms vs Slug



Right In: 1369.861+/-0.274 χ^2/NDF: 2937890.0/24

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1370.554+/-0.258 χ^2/NDF: 4434961.6/30

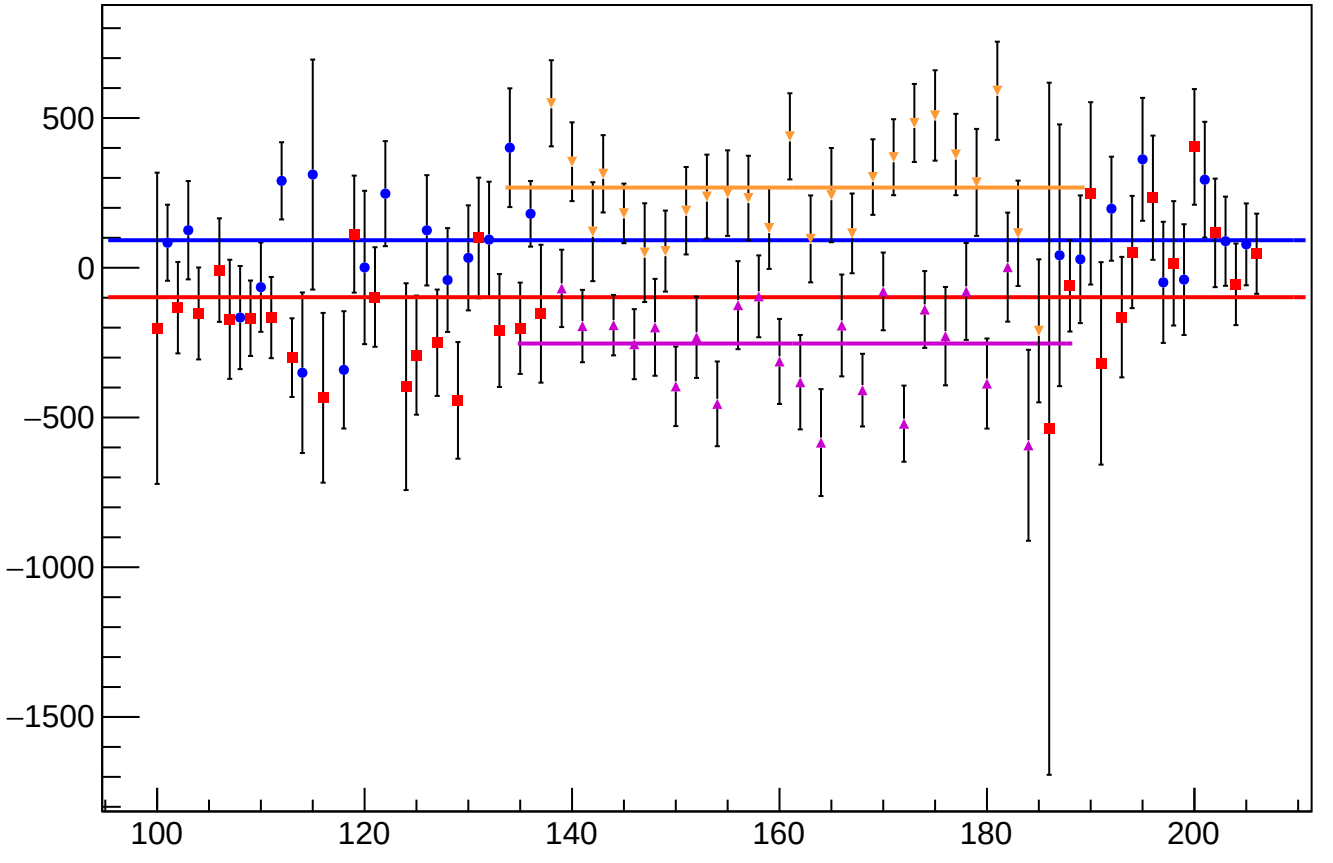
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1022.336+/-0.131 χ^2/NDF: 5915346.6/49

All: 1029.250+/-0.093 χ^2/NDF: 13285968.0/1

- sign 1036.228+/-0.132 χ^2/NDF: 7365060.0/53

eigen_cor_asym_sam_48_dd_mean vs Slug



Right In: 91.898+/-34.784 χ^2/NDF: 22.7/24

Left Out: 267.791+/-28.407 χ^2/NDF:31.0/24

Right Out: -98.347+/-32.718 χ^2/NDF: 28.5/30

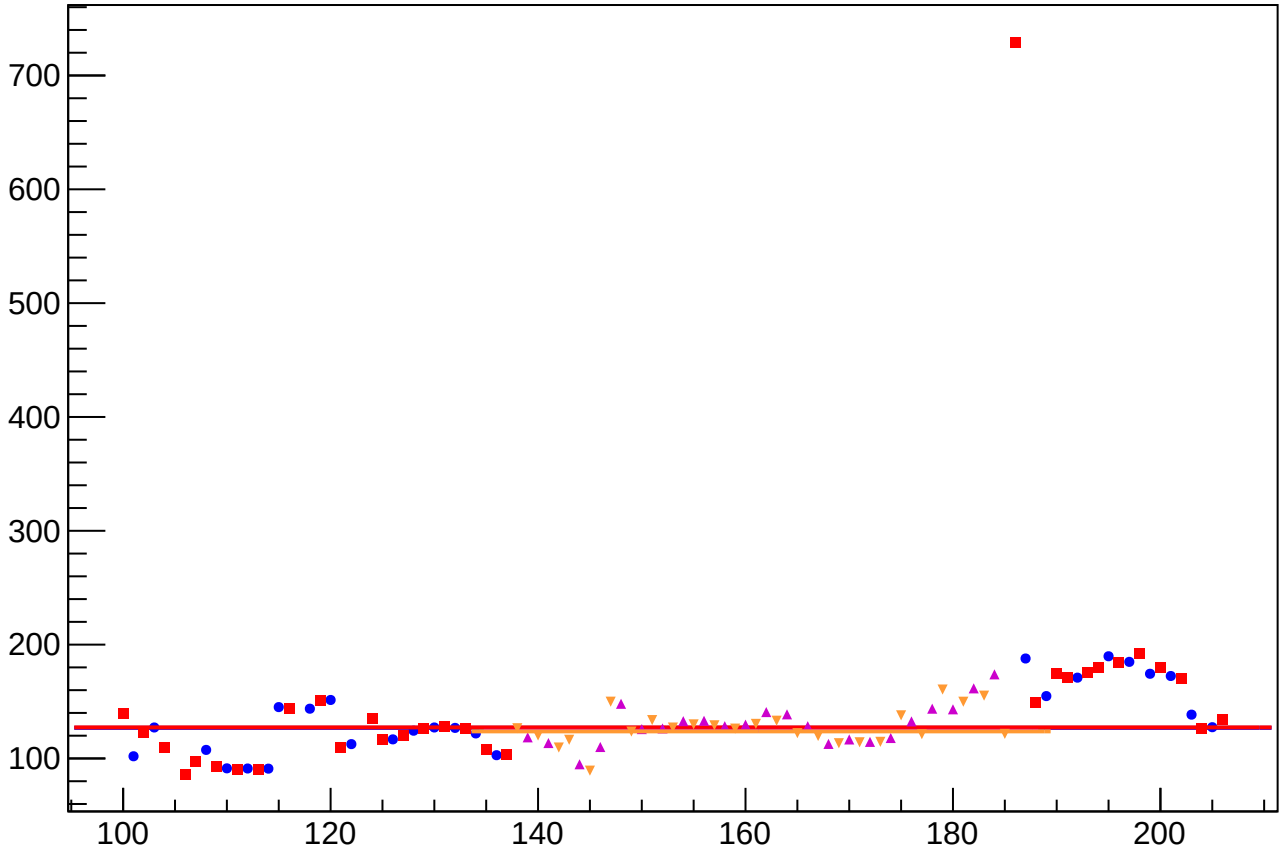
Left In: -253.051+/-29.313 χ^2/NDF:26.2/22

+ sign 197.415+/-22.002 χ^2/NDF: 69.1/49

All: 5.144+/-15.498 χ^2/NDF: 287.7/103

- sign -184.165+/-21.832 χ^2/NDF: 67.1/53

eigen_cor_asym_sam_48_dd_rms vs Slug



Right In: 126.890+/-0.025 χ^2/NDF: 1369779.5/24

Left Out: 123.807+/-0.020 χ^2/NDF:598444.2/24

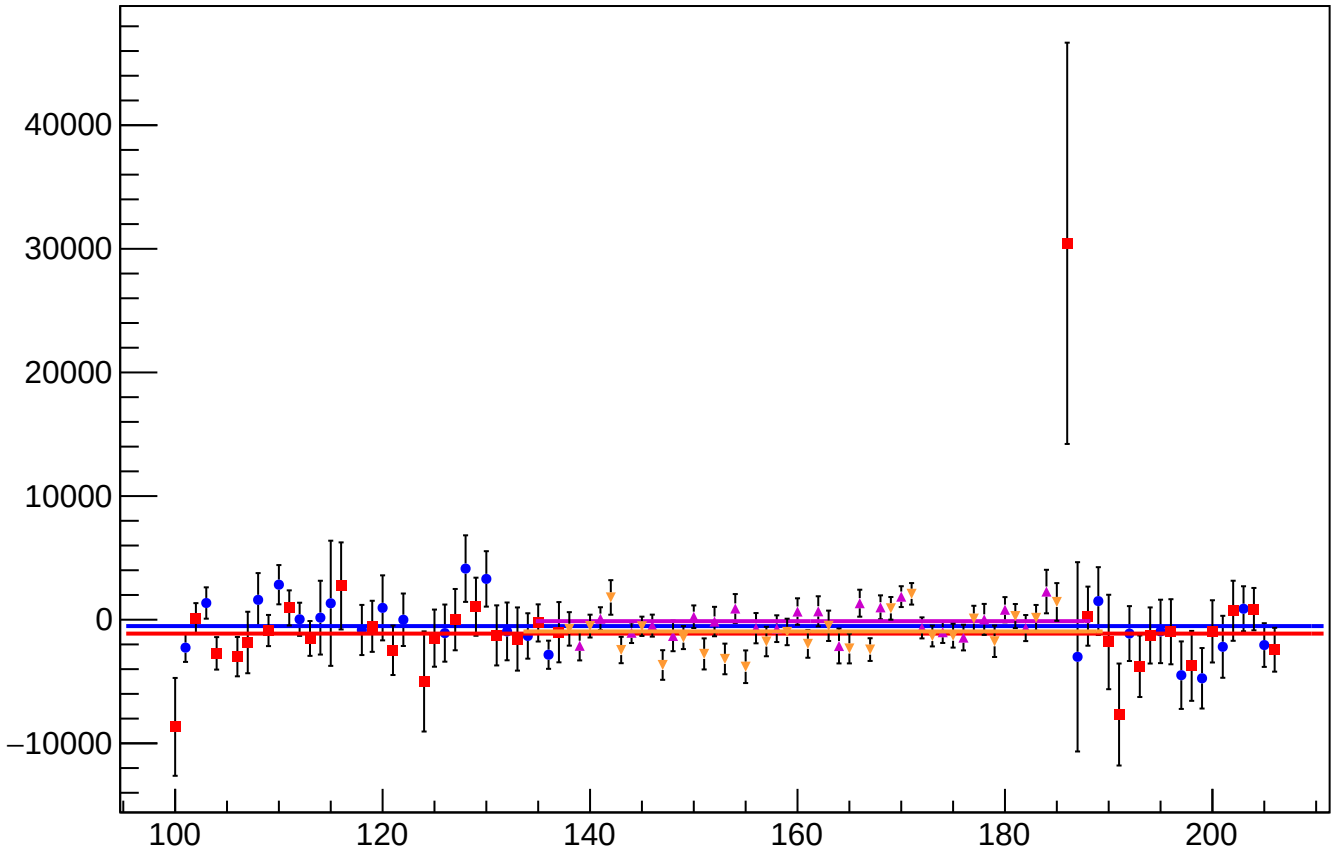
Right Out: 127.278+/-0.023 χ^2/NDF: 2315788.2/30

Left In: 124.259+/-0.021 χ^2/NDF:557214.9/22

+ sign 125.041+/-0.016 χ^2/NDF: 1977644.7/49

All: 125.324+/-0.011 χ^2/NDF: 4860755.1/103

- sign 125.603+/-0.015 χ^2/NDF: 2882451.4/53



Right In: -516.677+/-387.467 χ^2/NDF: 28.5/24

Left Out: -947.709+/-211.794 χ^2/NDF:50.3/24

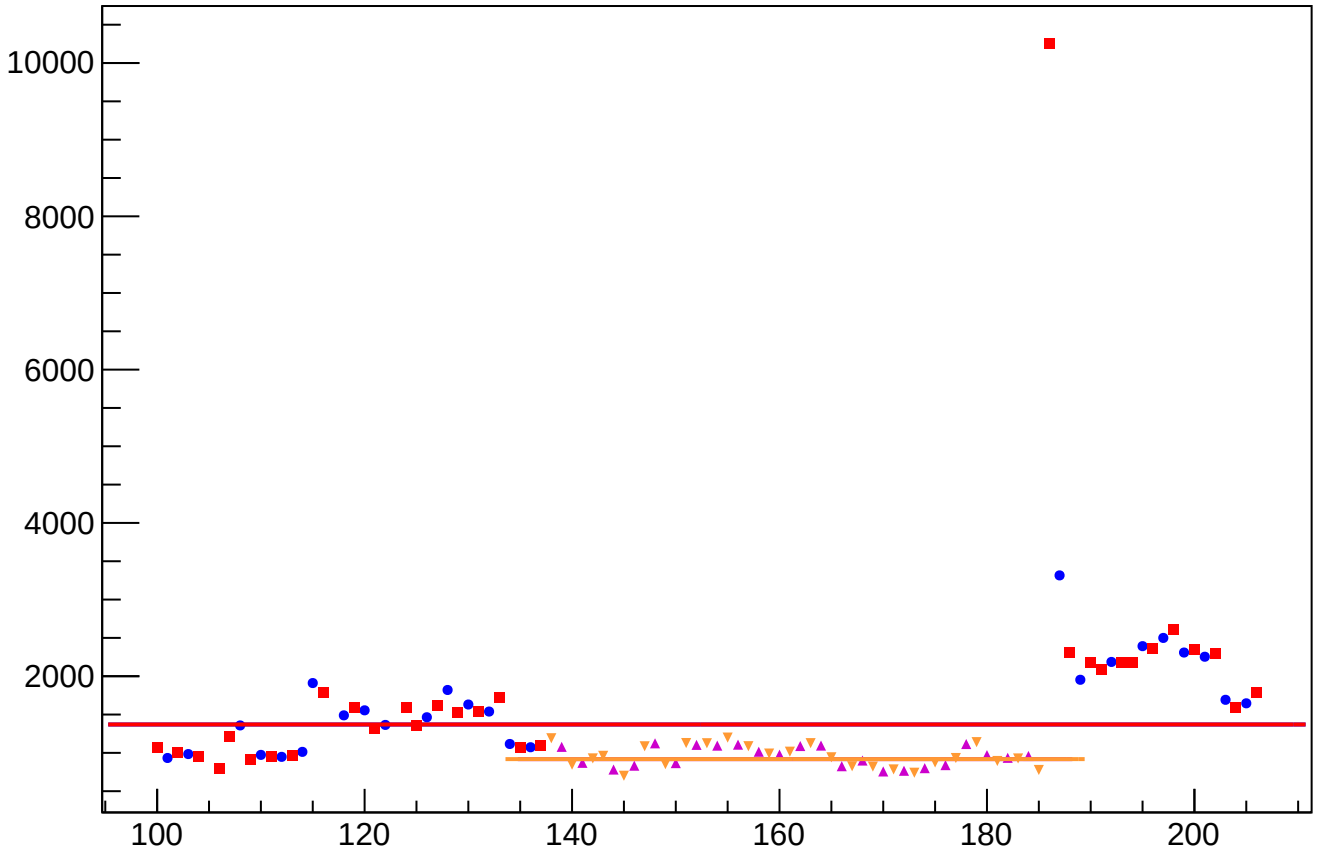
Right Out: -1124.379+/-365.520 χ^2/NDF: 25.0/30

Left In: -118.435+/-217.165 χ^2/NDF:24.4/22

+ sign -848.551+/-185.842 χ^2/NDF: 79.8/49

All: -615.792+/-131.712 χ^2/NDF: 137.9/103

- sign -380.881+/-186.700 χ^2/NDF: 55.0/53



Right In: 1369.861+/-0.274 χ^2/NDF: 2937890.0/24

Left Out: 918.501+/-0.150 χ^2/NDF:887819.5/24

Right Out: 1370.554+/-0.258 χ^2/NDF: 4434961.6/30

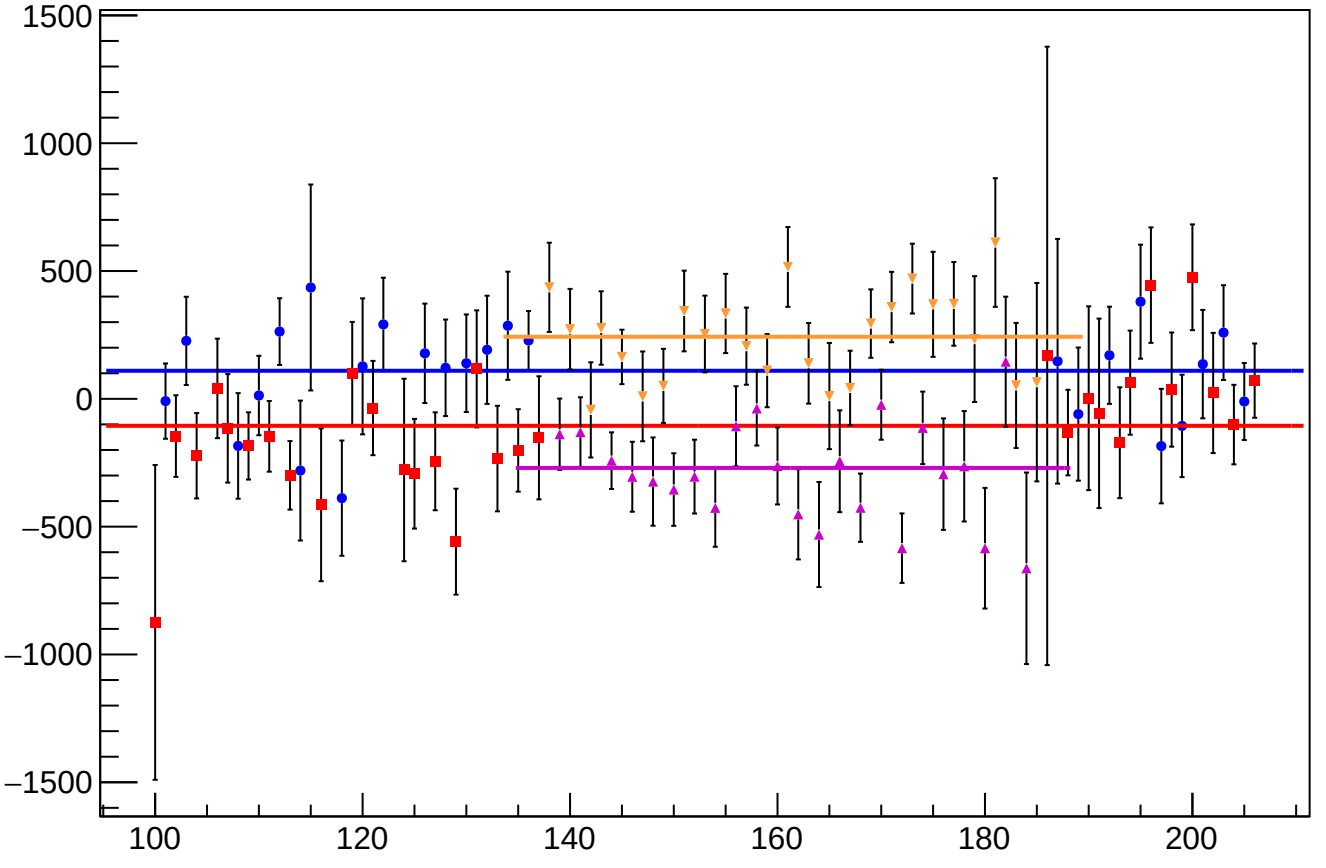
Left In: 918.214+/-0.154 χ^2/NDF:666263.4/22

+ sign 1022.336+/-0.131 χ^2/NDF: 5915346.6/49

All: 1029.250+/-0.093 χ^2/NDF: 13285968.0/1

- sign 1036.228+/-0.132 χ^2/NDF: 7365060.0/53

dit_asym_sam_48_dd_mean vs Slug



Right In: 109.845+/-37.912 χ^2/NDF: 21.7/24

Left Out: 242.890+/-32.138 χ^2/NDF:23.7/24

Right Out: -105.485+/-35.314 χ^2/NDF: 32.4/30

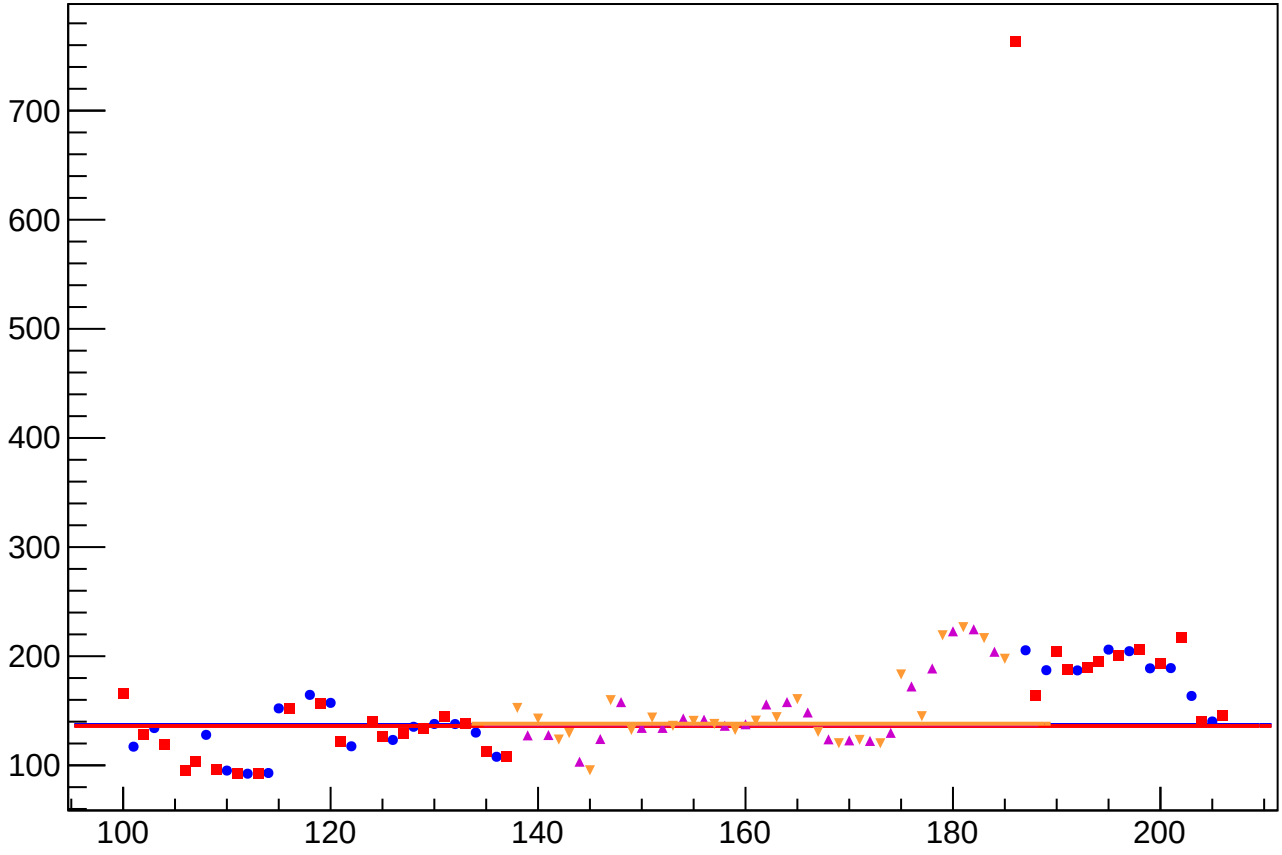
Left In: -270.243+/-32.893 χ^2/NDF:26.7/22

+ sign 187.258+/-24.515 χ^2/NDF: 52.5/49

All: -6.718+/-17.175 χ^2/NDF: 246.3/103

- sign -193.705+/-24.069 χ^2/NDF: 70.8/53

dit_asym_sam_48_dd_rms vs Slug



Right In: 136.957+/-0.027 χ^2/NDF: 1604152.9/24

Left Out: 138.127+/-0.023 χ^2/NDF:1338308.5/24

Right Out: 136.075+/-0.025 χ^2/NDF: 2629143.7/30

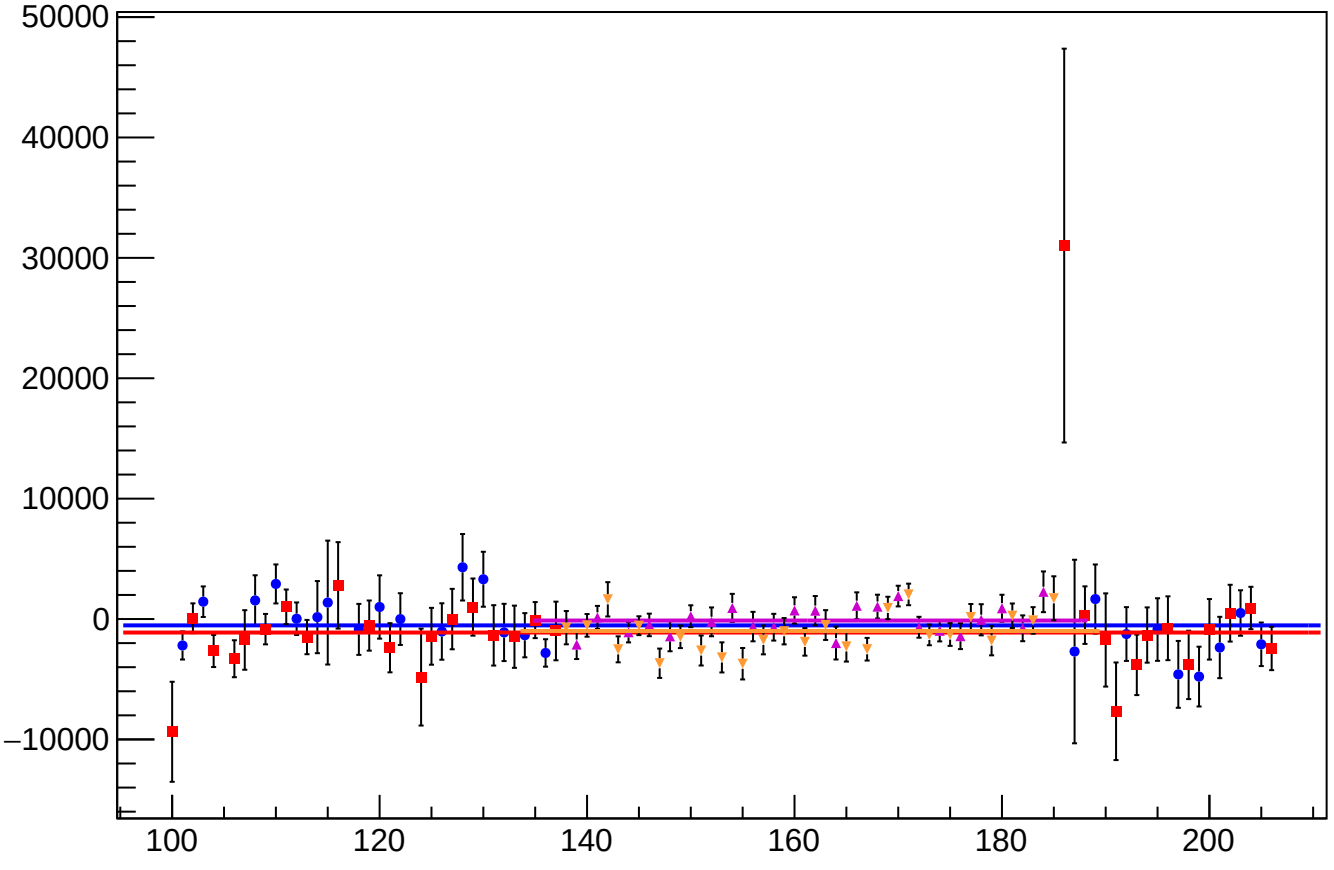
Left In: 137.491+/-0.023 χ^2/NDF:1109333.5/22

+ sign 137.638+/-0.017 χ^2/NDF: 2943569.6/49

All: 137.228+/-0.012 χ^2/NDF: 6684865.3/103

- sign 136.833+/-0.017 χ^2/NDF: 3740198.8/53

asym_sam_48_dd_dit_correction_mean vs Slug



Right In: -527.279+/-391.738 χ^2/NDF: 28.4/24

Left Out: -993.237+/-215.652 χ^2/NDF:46.9/24

Right Out: -1121.397+/-367.594 χ^2/NDF: 25.9/30

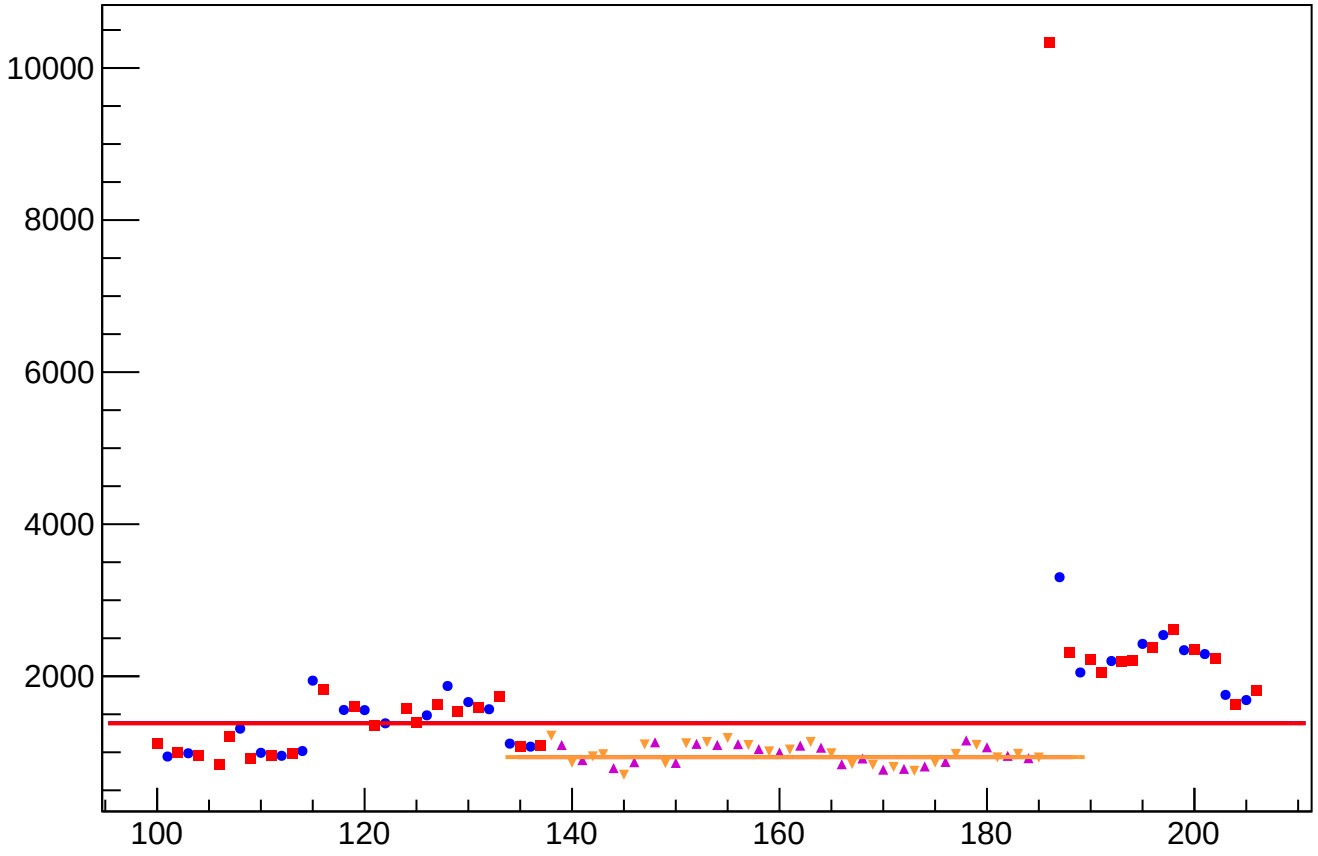
Left In: -124.857+/-221.367 χ^2/NDF:23.9/22

+ sign -884.869+/-188.918 χ^2/NDF: 76.4/49

All: -638.409+/-133.838 χ^2/NDF: 134.9/103

- sign -390.072+/-189.636 χ^2/NDF: 55.1/53

asym_sam_48_dd_dit_correction_rms vs Slug



Right In: 1383.196+/-0.277 χ^2/NDF: 3031588.1/24

Left Out: 936.743+/-0.152 χ^2/NDF:832449.3/24

Right Out: 1381.954+/-0.260 χ^2/NDF: 4404551.1/30

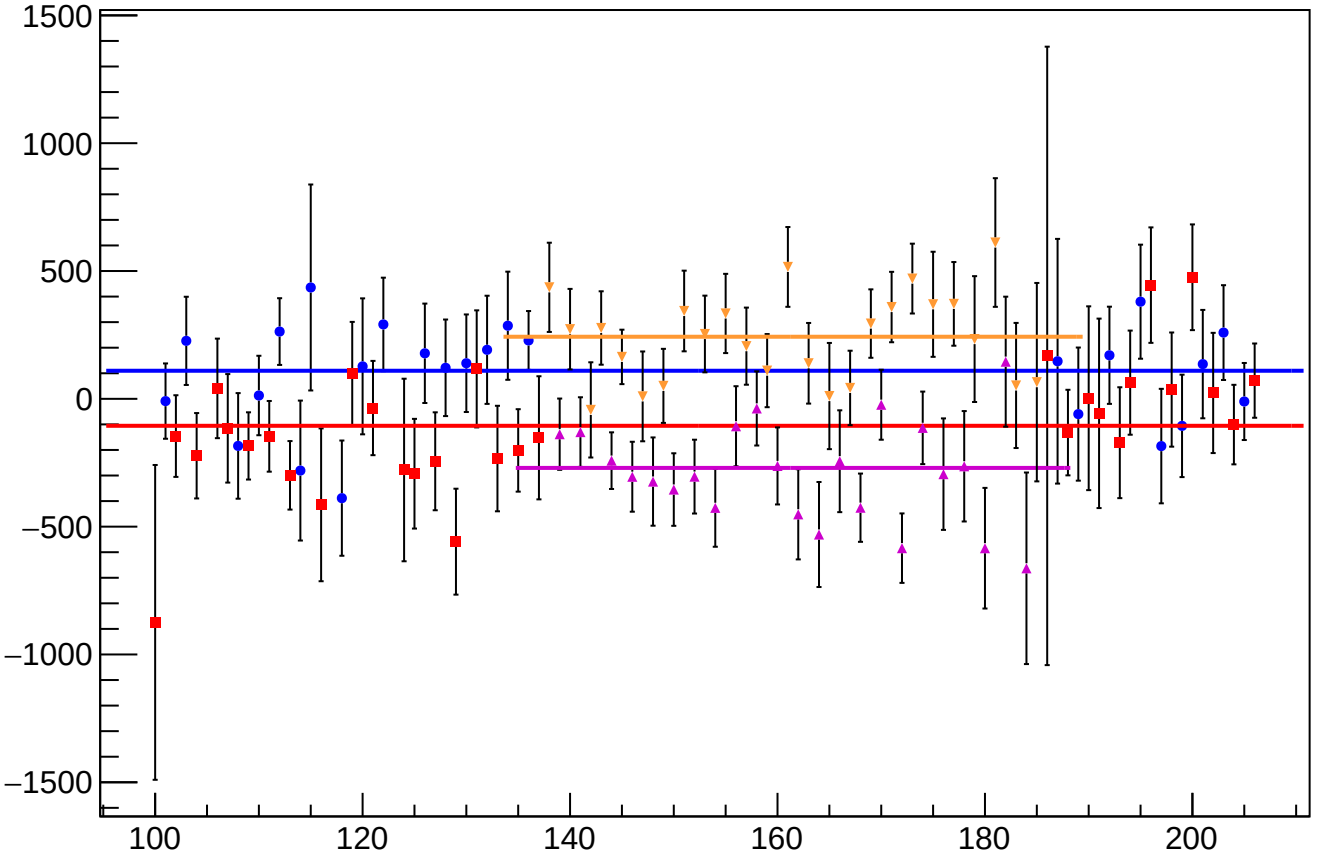
Left In: 936.380+/-0.157 χ^2/NDF:642749.3/22

+ sign 1040.575+/-0.134 χ^2/NDF: 5857589.5/49

All: 1047.742+/-0.095 χ^2/NDF: 13067162.4/1

- sign 1054.964+/-0.134 χ^2/NDF: 7203794.1/53

eigen_dit_asym_sam_48_dd_mean vs Slug



Right In: 109.847+/-37.912 χ^2/NDF: 21.7/24

Left Out: 242.892+/-32.138 χ^2/NDF:23.7/24

Right Out: -105.485+/-35.314 χ^2/NDF: 32.4/30

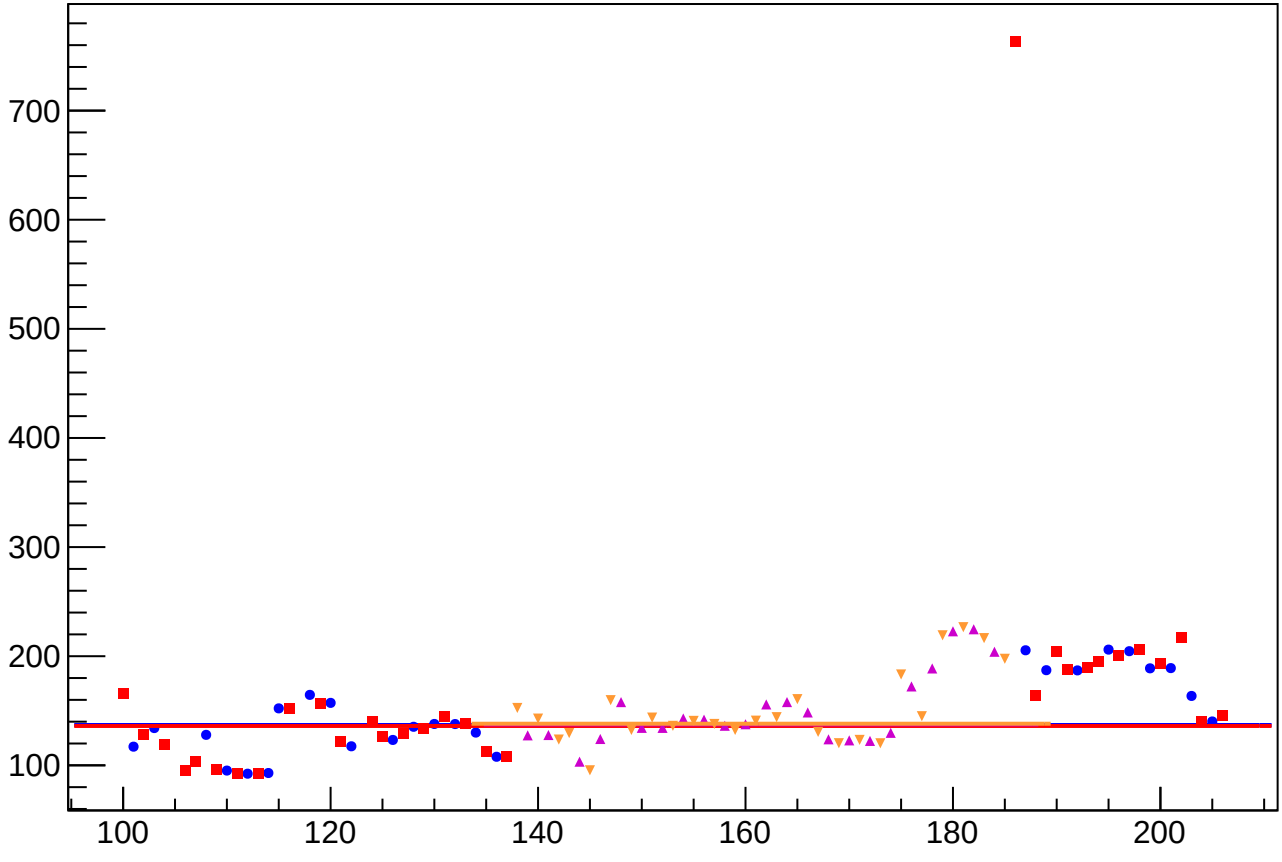
Left In: -270.244+/-32.893 χ^2/NDF:26.7/22

+ sign 187.260+/-24.515 χ^2/NDF: 52.5/49

All: -6.717+/-17.175 χ^2/NDF: 246.3/103

- sign -193.706+/-24.069 χ^2/NDF: 70.8/53

eigen_dit_asym_sam_48_dd_rms vs Slug



Right In: 136.957+/-0.027 χ^2/NDF: 1604140.3/24

Left Out: 138.127+/-0.023 χ^2/NDF:1338311.7/24

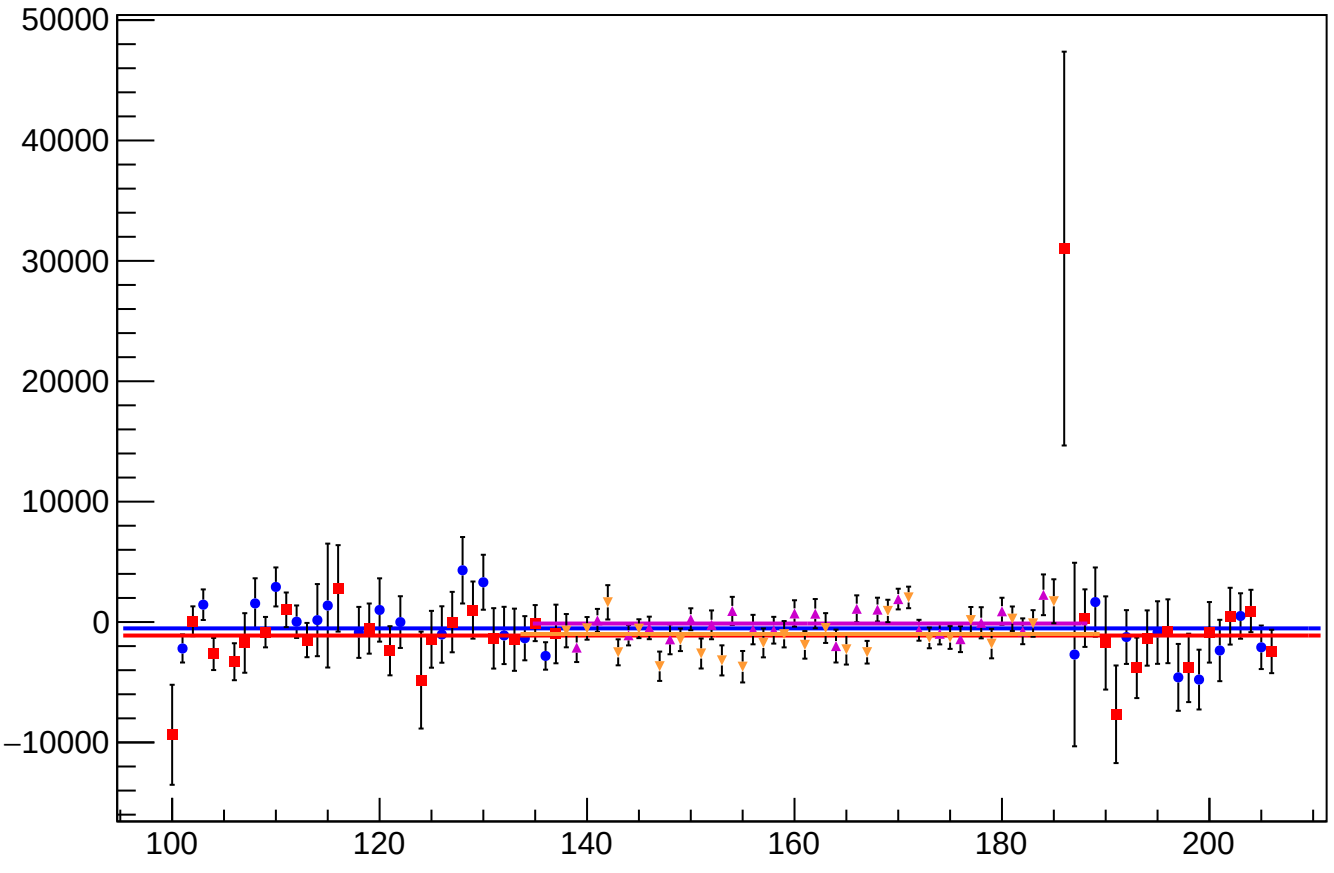
Right Out: 136.075+/-0.025 χ^2/NDF: 2629151.0/30

Left In: 137.491+/-0.023 χ^2/NDF:1109319.8/22

+ sign 137.638+/-0.017 χ^2/NDF: 2943560.3/49

All: 137.228+/-0.012 χ^2/NDF: 6684849.5/103

- sign 136.834+/-0.017 χ^2/NDF: 3740192.3/53



Right In: -527.279+/-391.738 χ^2/NDF: 28.4/24

Left Out: -993.235+/-215.652 χ^2/NDF:46.9/24

Right Out: -1121.397+/-367.594 χ^2/NDF: 25.9/30

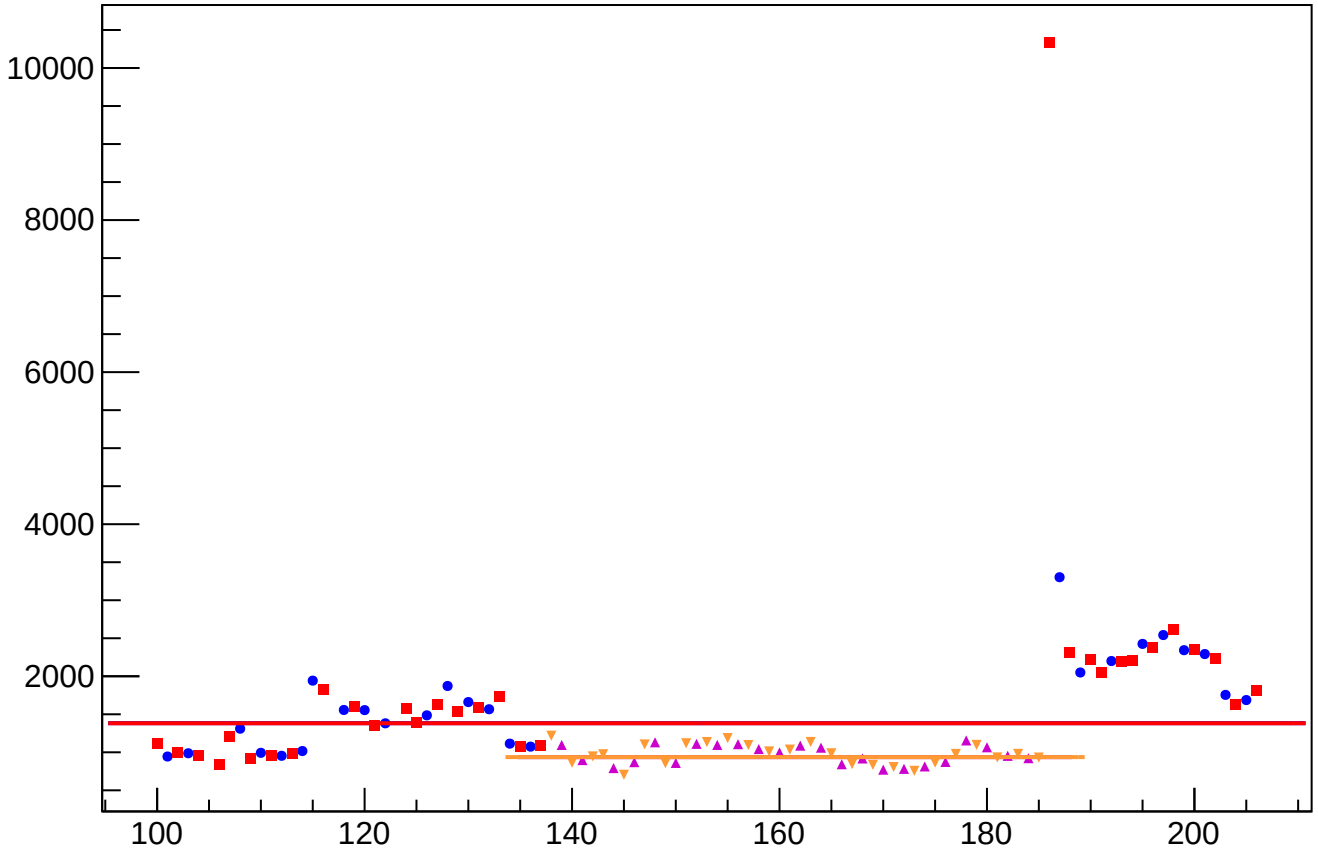
Left In: -124.856+/-221.366 χ^2/NDF:23.9/22

+ sign -884.868+/-188.918 χ^2/NDF: 76.4/49

All: -638.407+/-133.838 χ^2/NDF: 134.9/103

- sign -390.071+/-189.635 χ^2/NDF: 55.1/53

asym_sam_48_dd_eigen_dit_correction_rms vs Slug



Right In: 1383.196+/-0.277 χ^2/NDF: 3031581.5/24

Left Out: 936.742+/-0.152 χ^2/NDF:832452.0/24

Right Out: 1381.954+/-0.260 χ^2/NDF: 4404543.6/30

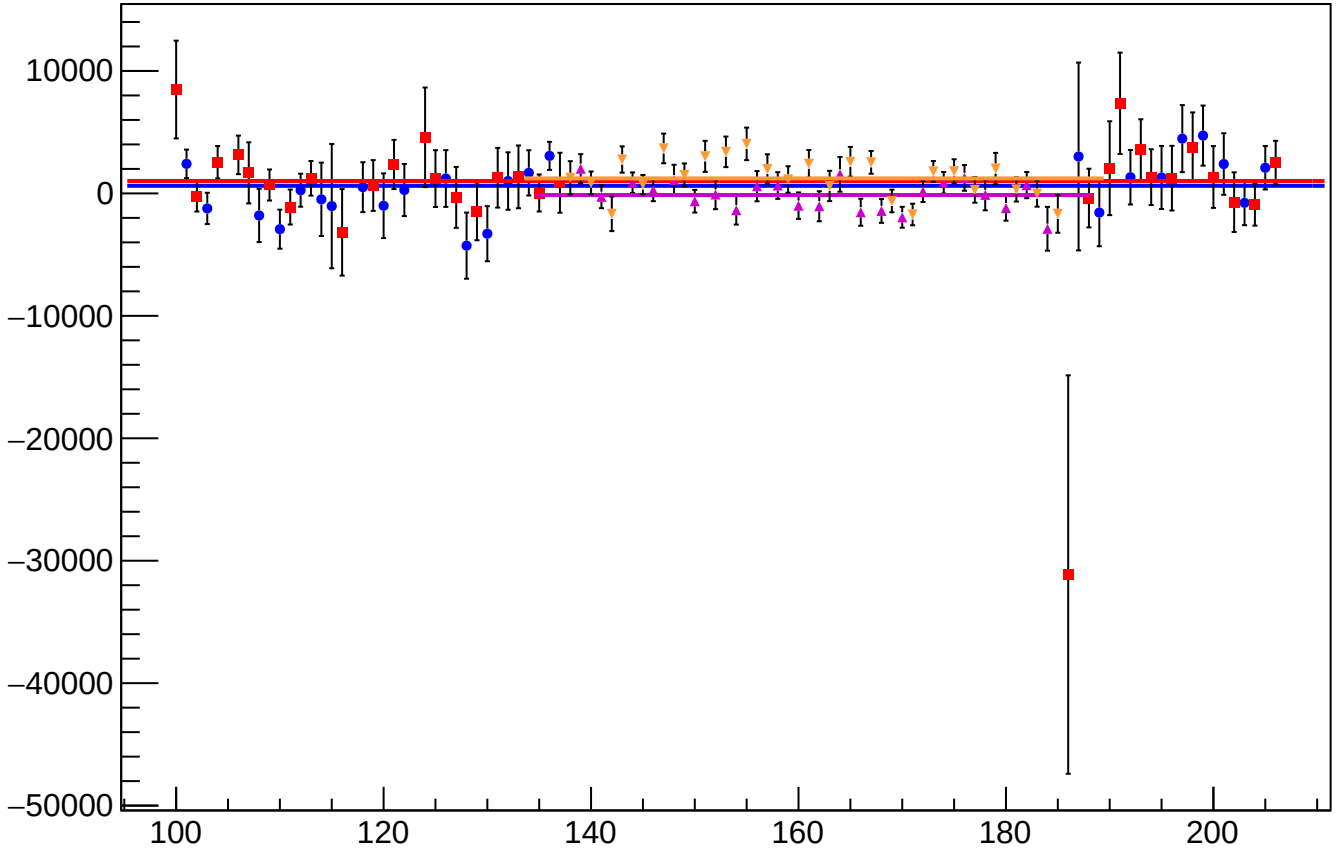
Left In: 936.379+/-0.157 χ^2/NDF:642748.0/22

+ sign 1040.574+/-0.134 χ^2/NDF: 5857594.3/49

All: 1047.741+/-0.095 χ^2/NDF: 13067165.1/1

- sign 1054.963+/-0.134 χ^2/NDF: 7203791.9/53

asym_sam_48_dd_mean vs Slug



Right In: 621.143+/-389.338 χ^2/NDF: 30.1/24

Left Out: 1225.521+/-213.843 χ^2/NDF:48.5/24

Right Out: 1016.663+/-366.853 χ^2/NDF: 25.7/30

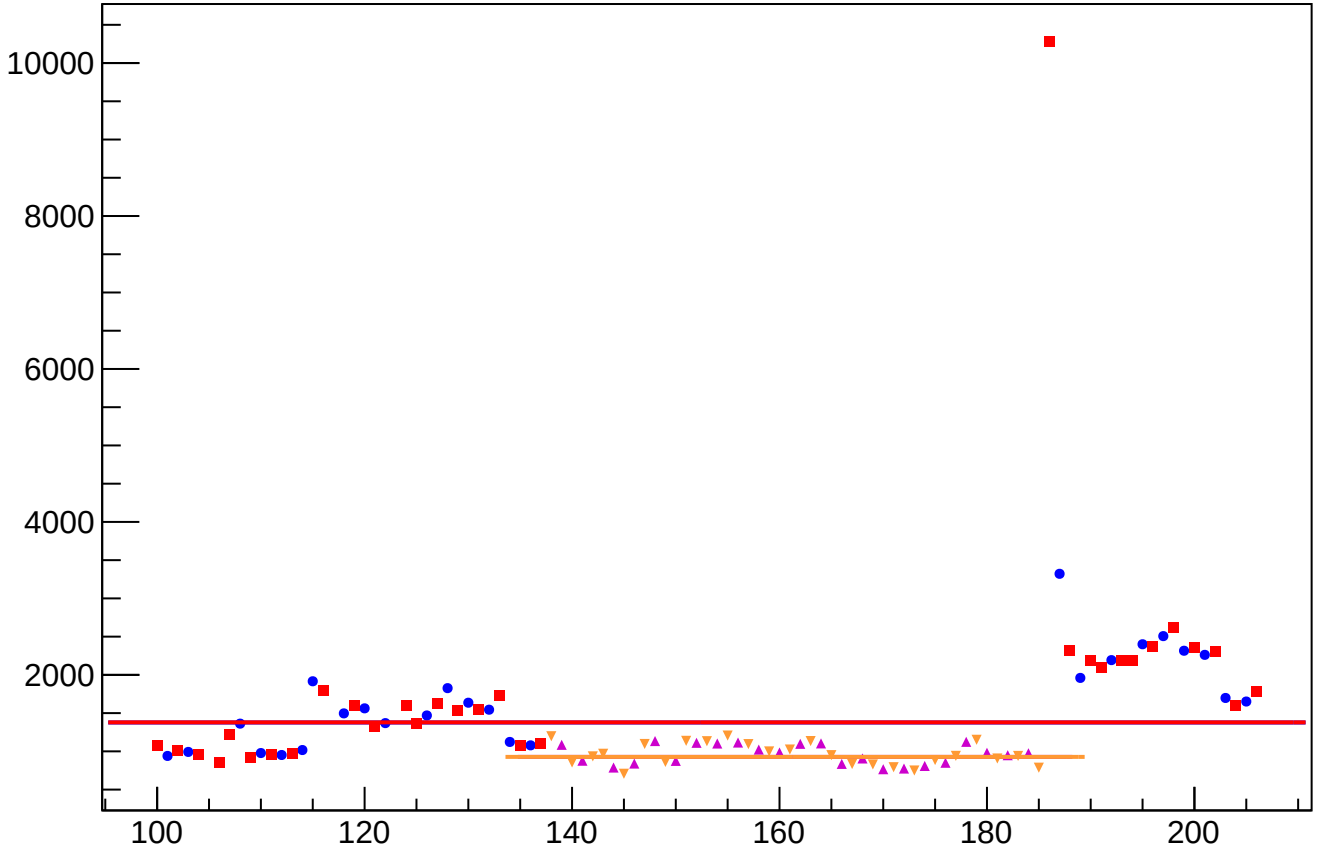
Left In: -132.834+/-219.278 χ^2/NDF:25.8/22

+ sign 1085.452+/-187.432 χ^2/NDF: 80.4/49

All: 629.515+/-132.812 χ^2/NDF: 151.1/103

- sign 169.749+/-188.218 χ^2/NDF: 58.8/53

asym_sam_48_dd_rms vs Slug



Right In: 1377.053+/-0.275 χ^2/NDF: 2917280.5/24

Left Out: 927.610+/-0.151 χ^2/NDF:875127.3/24

Right Out: 1379.096+/-0.259 χ^2/NDF: 4376314.8/30

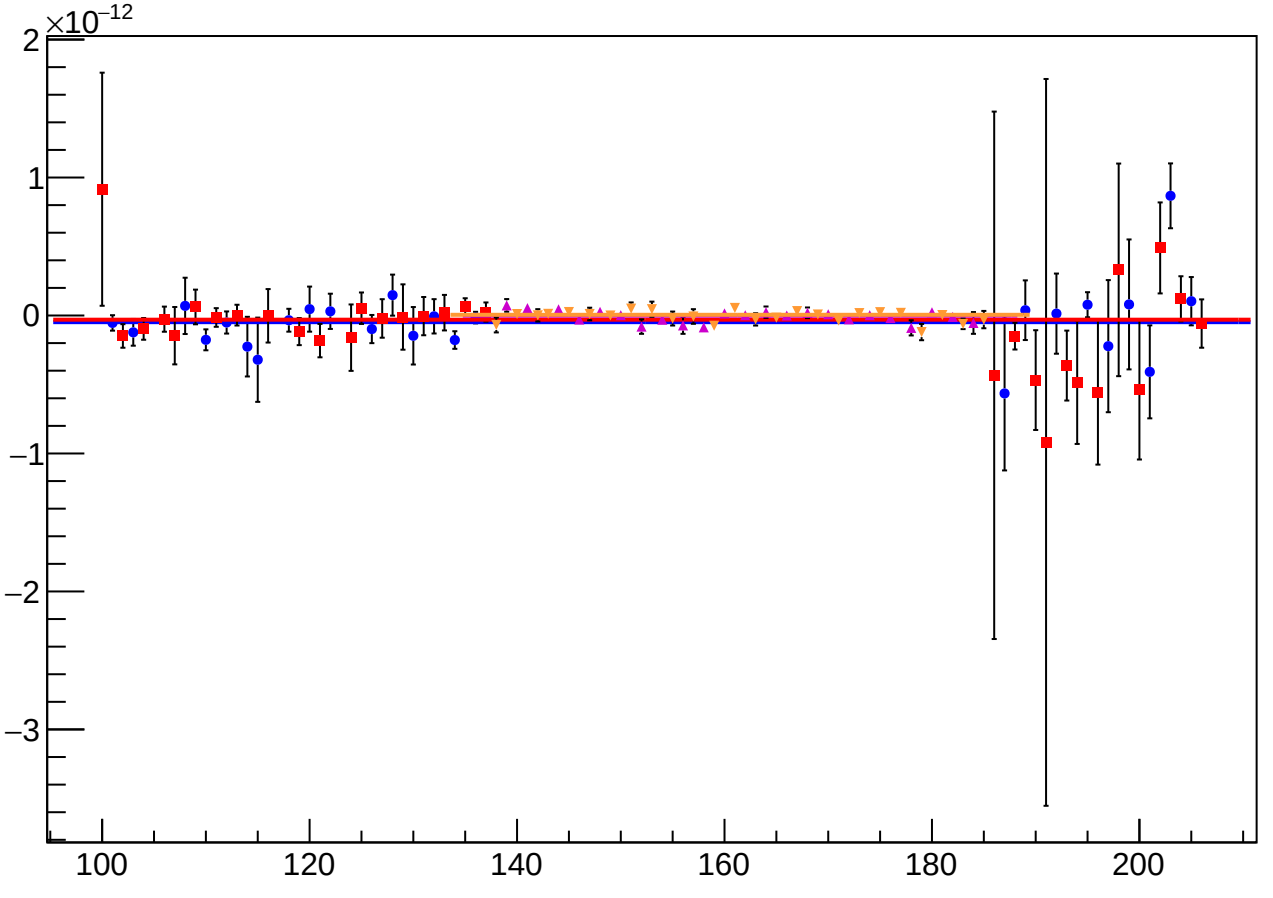
Left In: 927.321+/-0.155 χ^2/NDF:656539.8/22

+ sign 1031.772+/-0.133 χ^2/NDF: 5839909.6/49

All: 1038.977+/-0.094 χ^2/NDF: 13113411.8/1

- sign 1046.242+/-0.133 χ^2/NDF: 7267566.8/53

asym_sam_48_dd_reg_vs_cor_diff_mean vs Slug



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

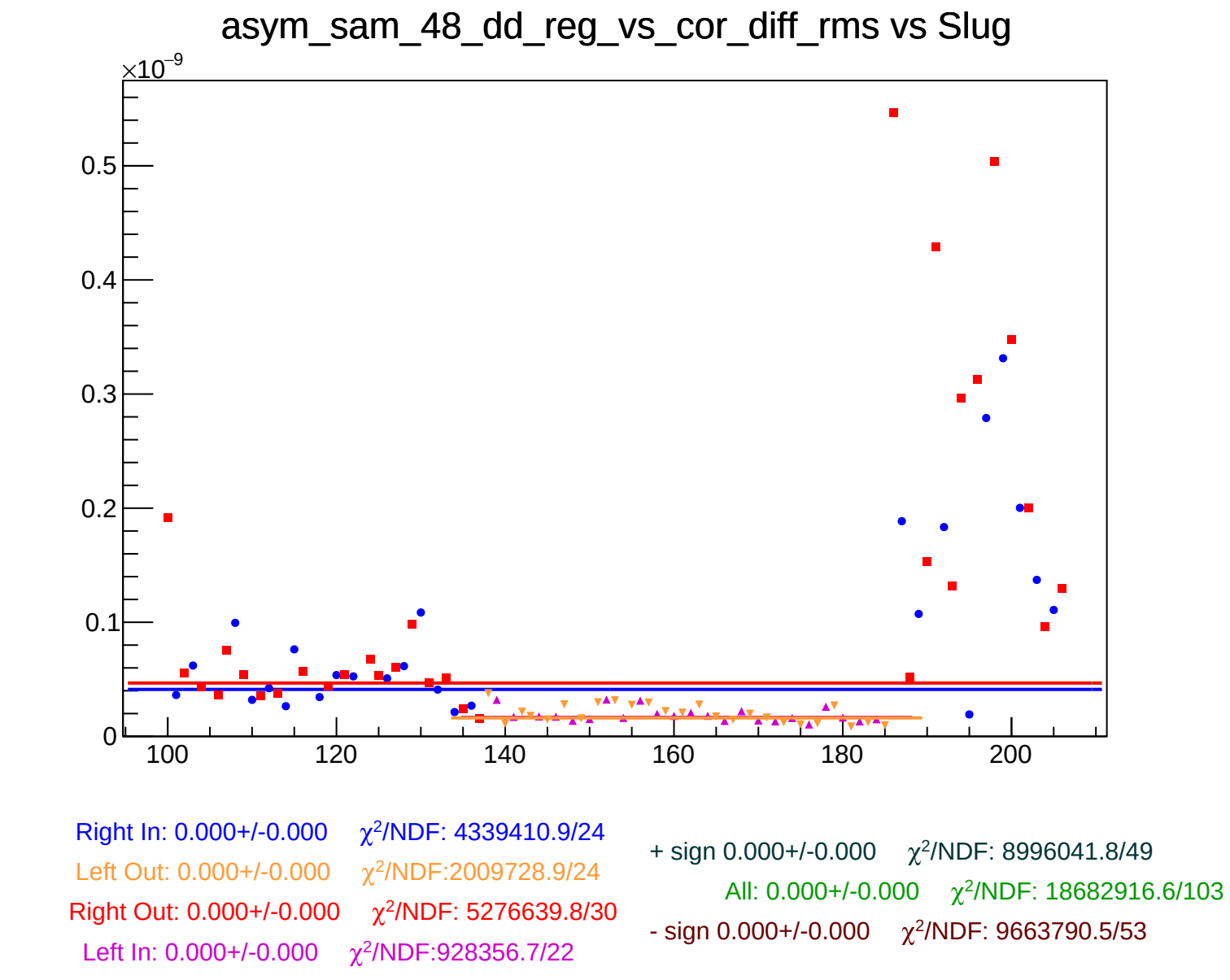
Right Out: -0.000+/-0.000 χ^2/NDF: 23.1/30

Left In: -0.000+/-0.000 χ^2/NDF:27.7/22

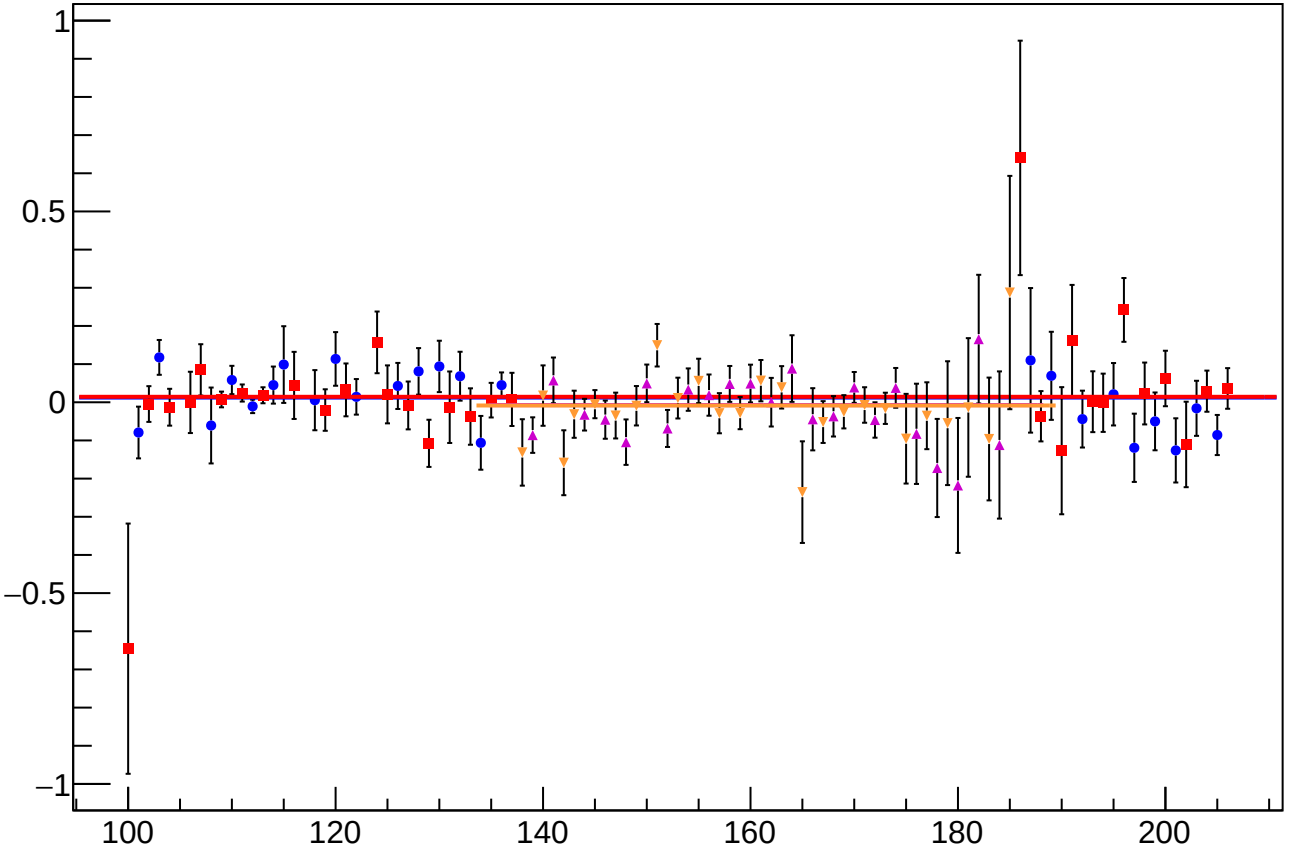
+ sign 0.000+/-0.000 χ^2/NDF: 64.7/49

All: -0.000+/-0.000 χ^2/NDF: 117.4/103

- sign -0.000+/-0.000 χ^2/NDF: 52.5/53


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
Right In: 0.000+/-0.000 χ²/NDF: 4339410.9/24
Left Out: 0.000+/-0.000 χ²/NDF:2009728.9/24
Right Out: 0.000+/-0.000 χ²/NDF: 5276639.8/30
Left In: 0.000+/-0.000 χ²/NDF:928356.7/22
+ sign 0.000+/-0.000 χ²/NDF: 8996041.8/49
All: 0.000+/-0.000 χ²/NDF: 18682916.6/103
- sign 0.000+/-0.000 χ²/NDF: 9663790.5/53

asym_sam_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.014+/-0.009 χ^2/NDF: 30.3/30

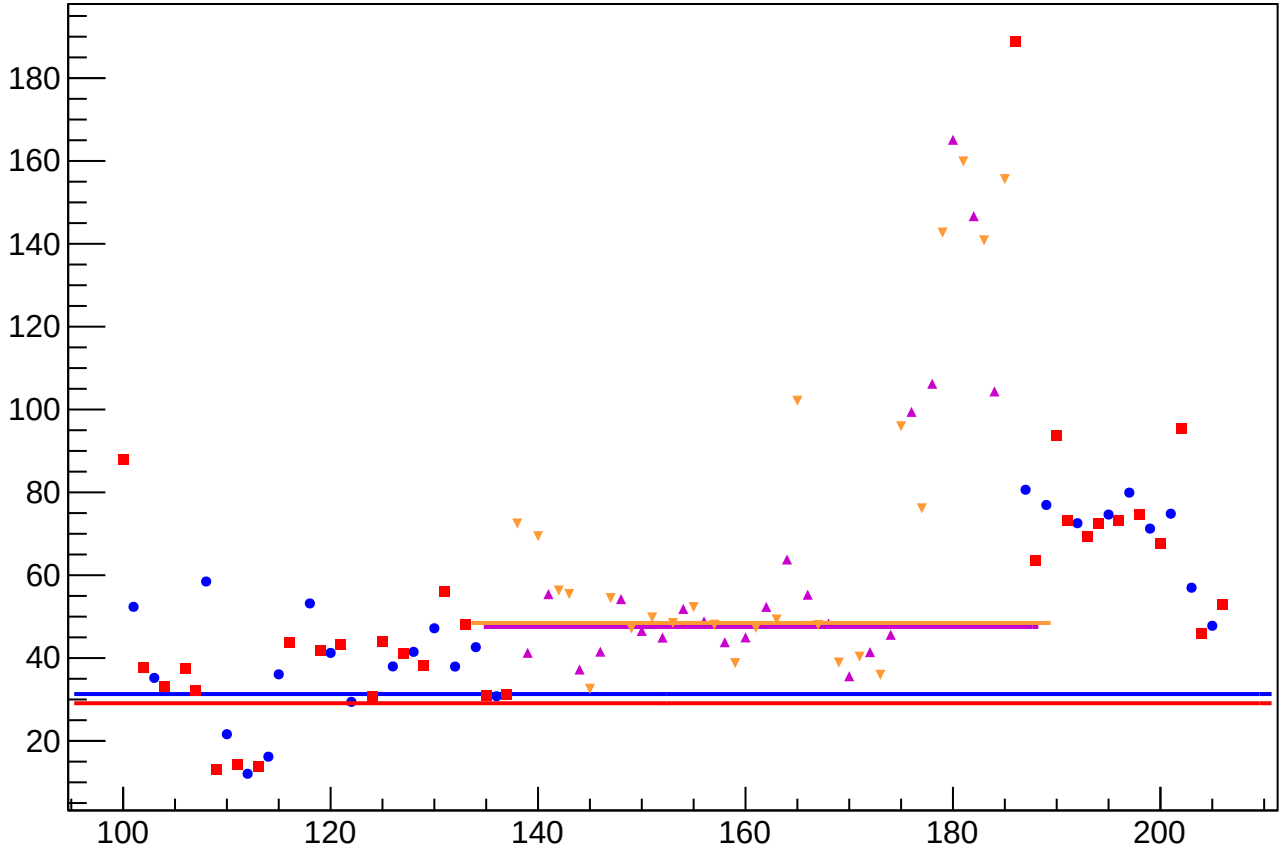
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.004+/-0.008 χ^2/NDF: 56.9/49

All: 0.005+/-0.005 χ^2/NDF: 112.6/103

- sign 0.007+/-0.007 χ^2/NDF: 55.6/53

asym_sam_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 31.313+/-0.007 χ^2/NDF: 7264562.8/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

Right Out: 29.093+/-0.006 χ^2/NDF: 9802989.5/30

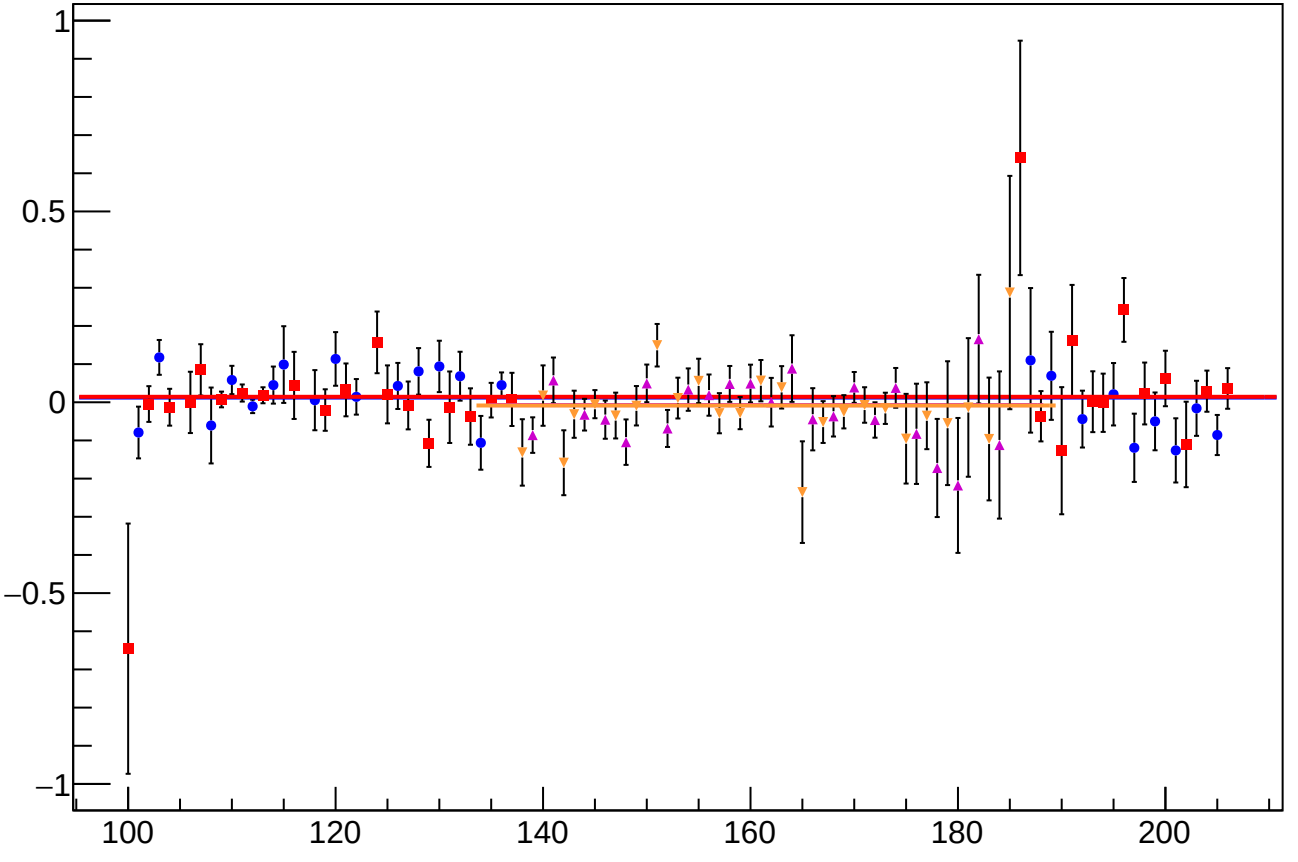
Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 38.515+/-0.006 χ^2/NDF: 14008161.2/49

All: 37.005+/-0.004 χ^2/NDF: 30027416.0/103

- sign 35.707+/-0.005 χ^2/NDF: 15879114.1/53

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

Right Out: 0.014+/-0.009 χ^2/NDF: 30.3/30

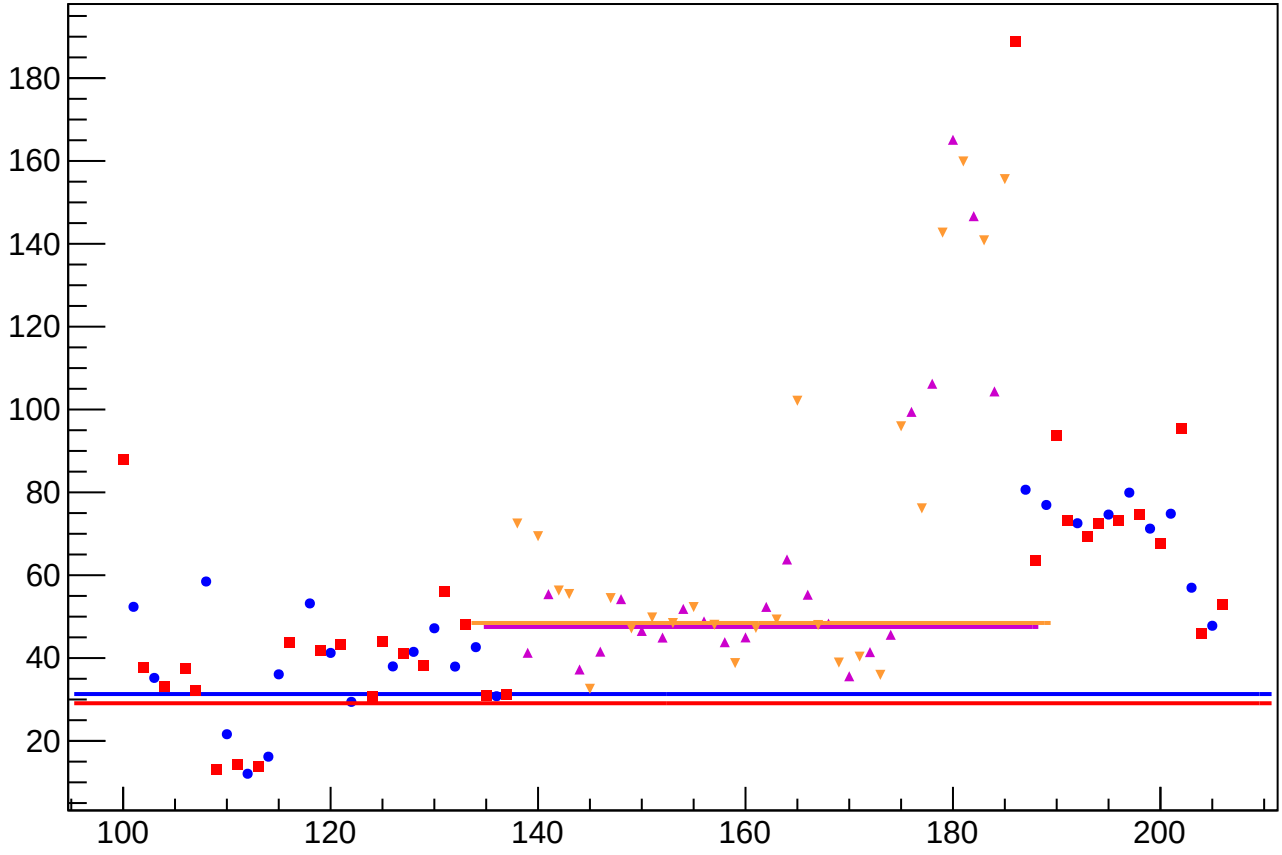
Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.004+/-0.008 χ^2/NDF: 56.9/49

All: 0.005+/-0.005 χ^2/NDF: 112.6/103

- sign 0.007+/-0.007 χ^2/NDF: 55.6/53

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.313+/-0.007 χ^2/NDF: 7264562.8/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373812.0/24

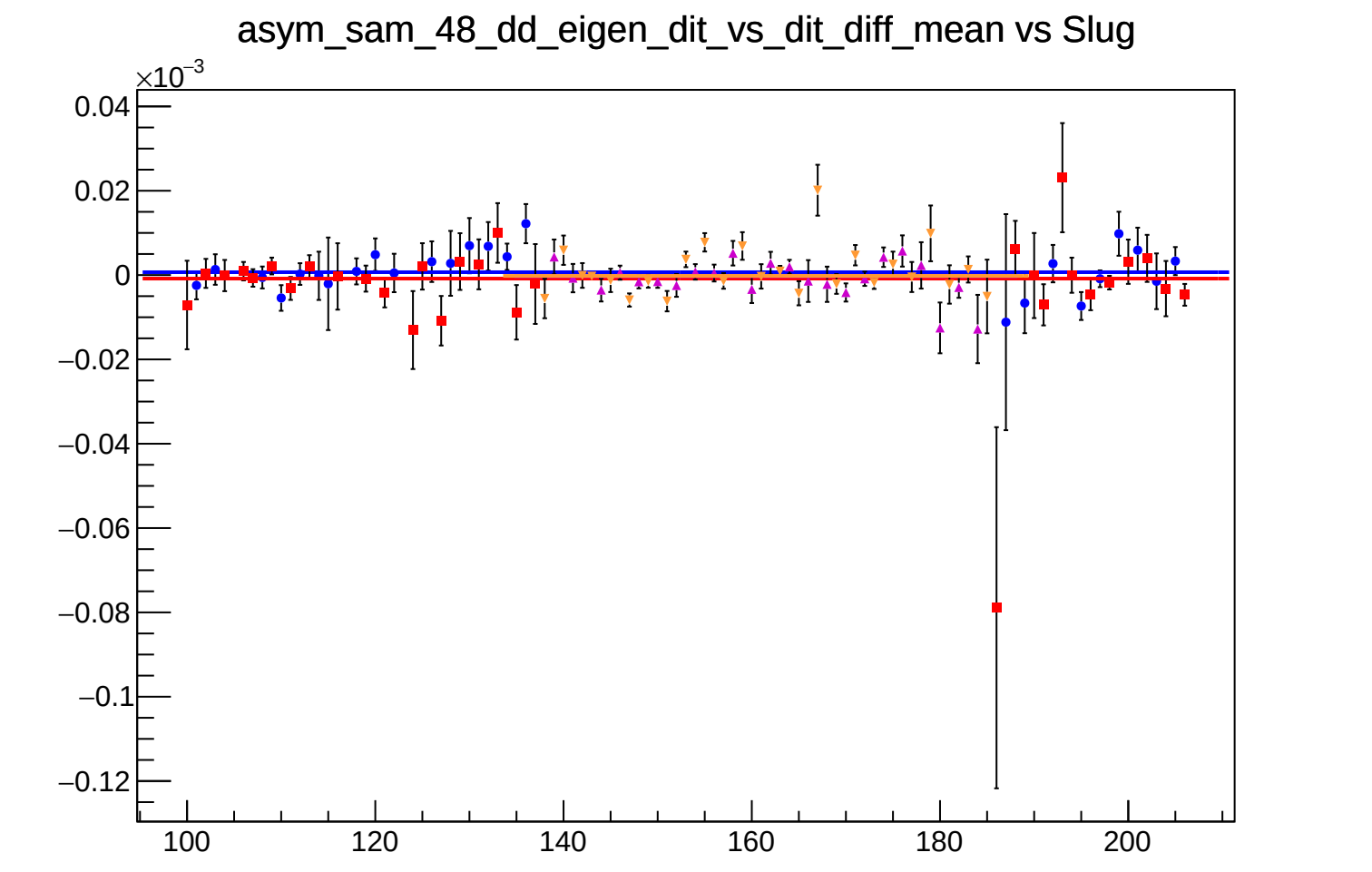
Right Out: 29.093+/-0.006 χ^2/NDF: 9802989.5/30

Left In: 47.505+/-0.009 χ^2/NDF:3075161.5/22

+ sign 38.515+/-0.006 χ^2/NDF: 14008161.2/49

All: 37.005+/-0.004 χ^2/NDF: 30027416.0/103

- sign 35.707+/-0.005 χ^2/NDF: 15879114.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 29.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:71.7/24

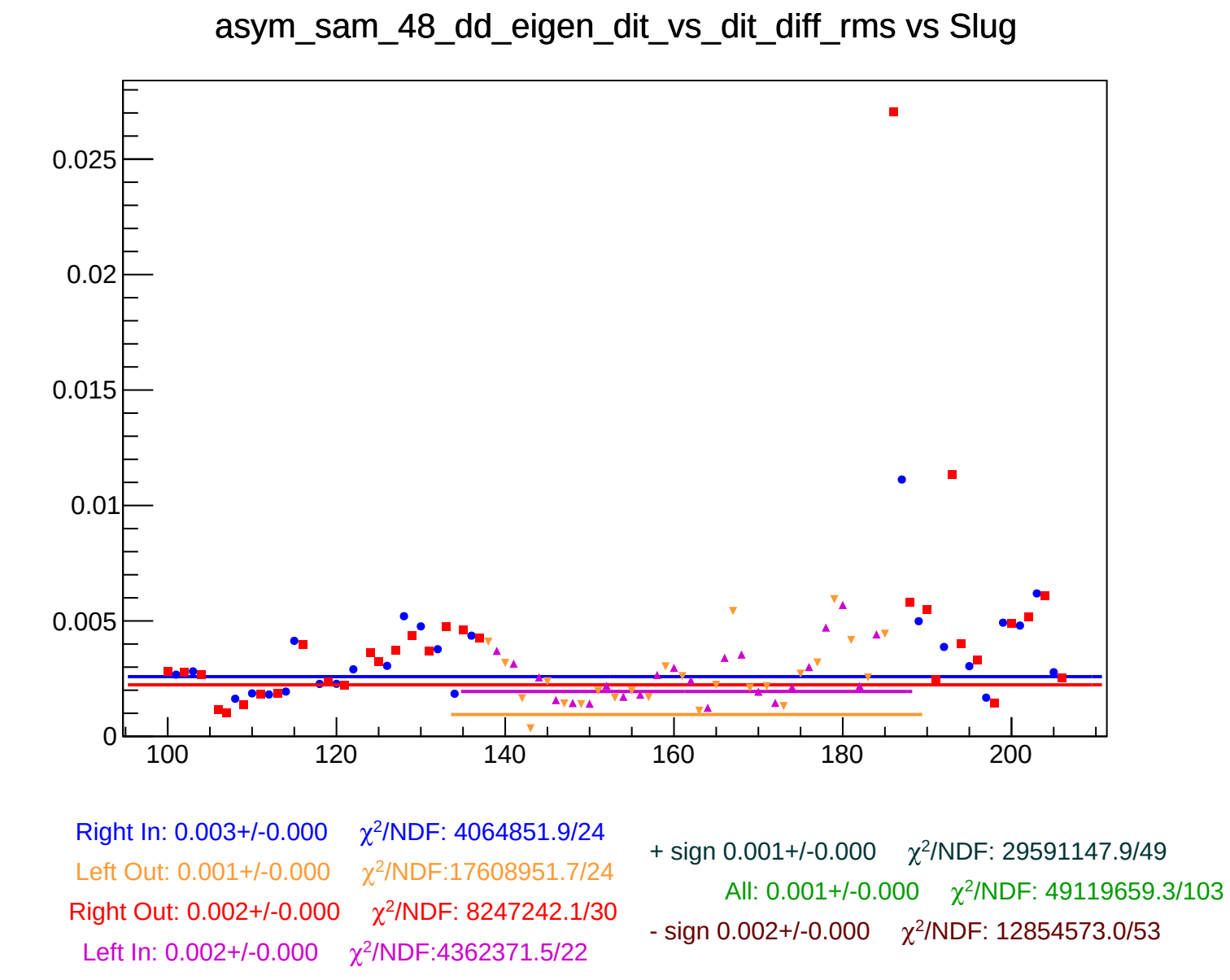
Right Out: -0.000+/-0.000 χ^2/NDF: 30.2/30

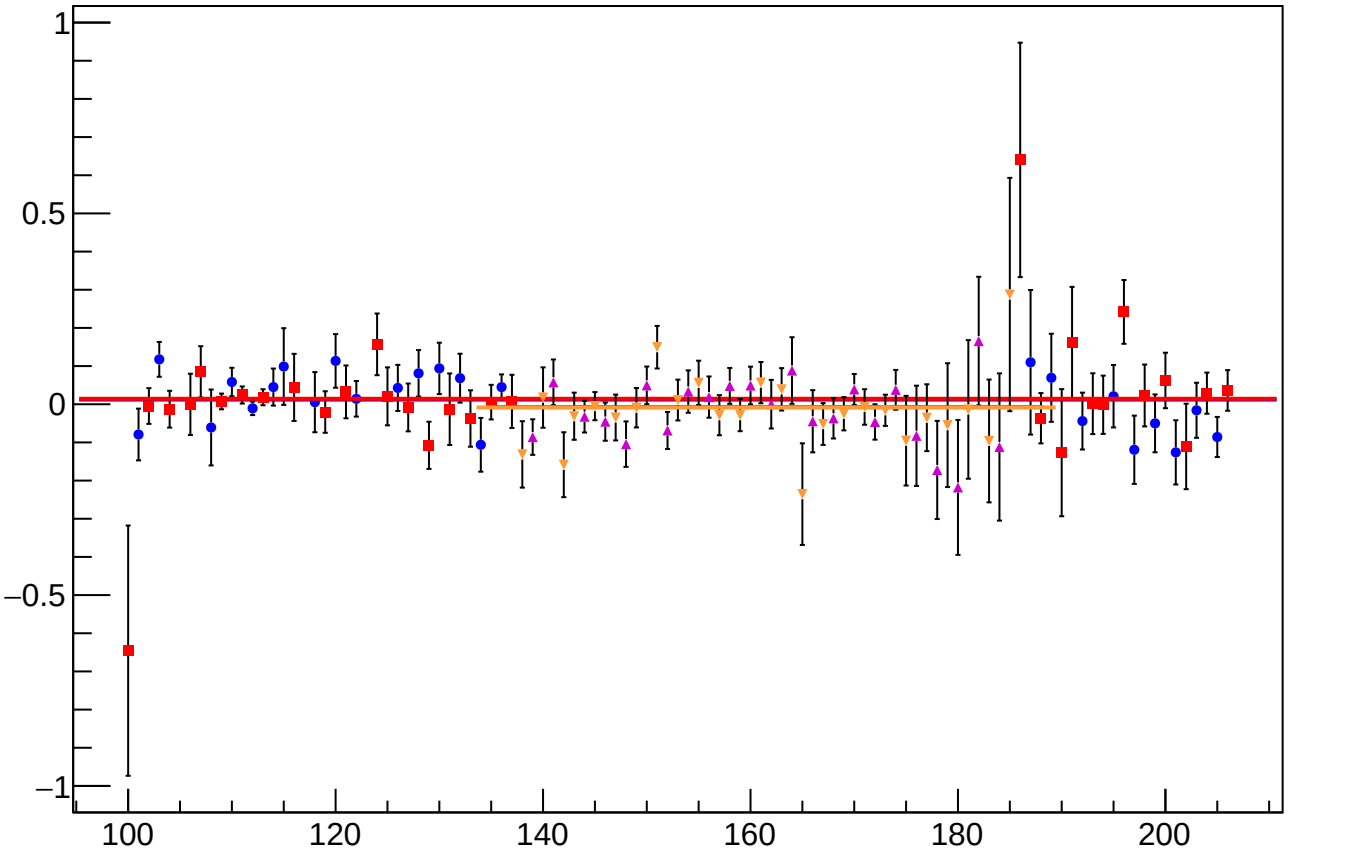
Left In: -0.000+/-0.000 χ^2/NDF:30.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 101.9/49

All: -0.000+/-0.000 χ^2/NDF: 164.2/103

- sign -0.000+/-0.000 χ^2/NDF: 61.6/53


asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.025
0.02
0.015
0.01
0.005
0
100
120
140
160
180
200
Right In: 0.003+/-0.000 χ²/NDF: 4064851.9/24
Left Out: 0.001+/-0.000 χ²/NDF:17608951.7/24
Right Out: 0.002+/-0.000 χ²/NDF: 8247242.1/30
Left In: 0.002+/-0.000 χ²/NDF:4362371.5/22
+ sign 0.001+/-0.000 χ²/NDF: 29591147.9/49
All: 0.001+/-0.000 χ²/NDF: 49119659.3/103
- sign 0.002+/-0.000 χ²/NDF: 12854573.0/53



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

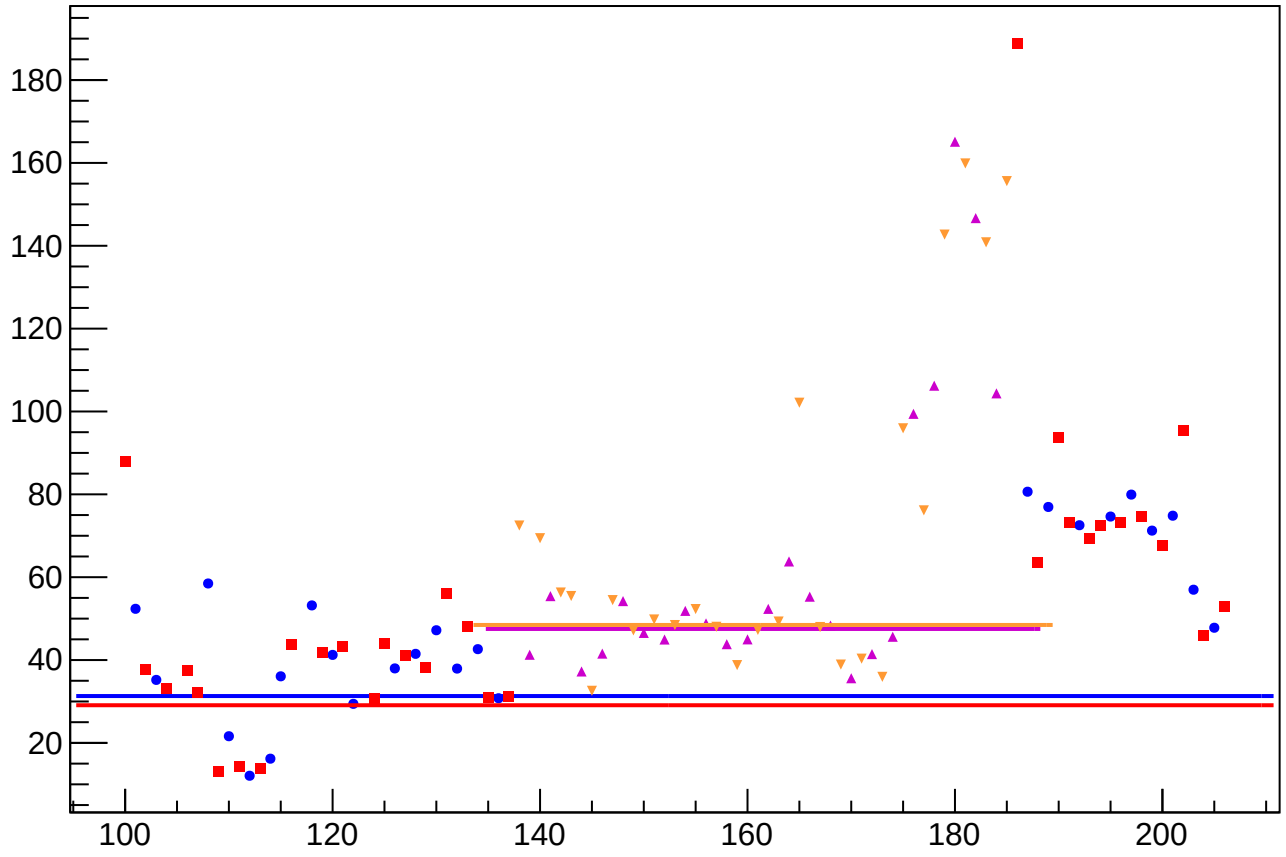
Right Out: 0.014+/-0.009 χ^2/NDF: 30.3/30

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.004+/-0.008 χ^2/NDF: 56.9/49

All: 0.005+/-0.005 χ^2/NDF: 112.6/103

- sign 0.007+/-0.007 χ^2/NDF: 55.6/53



Right In: 31.312+/-0.007 χ^2/NDF: 7265215.2/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

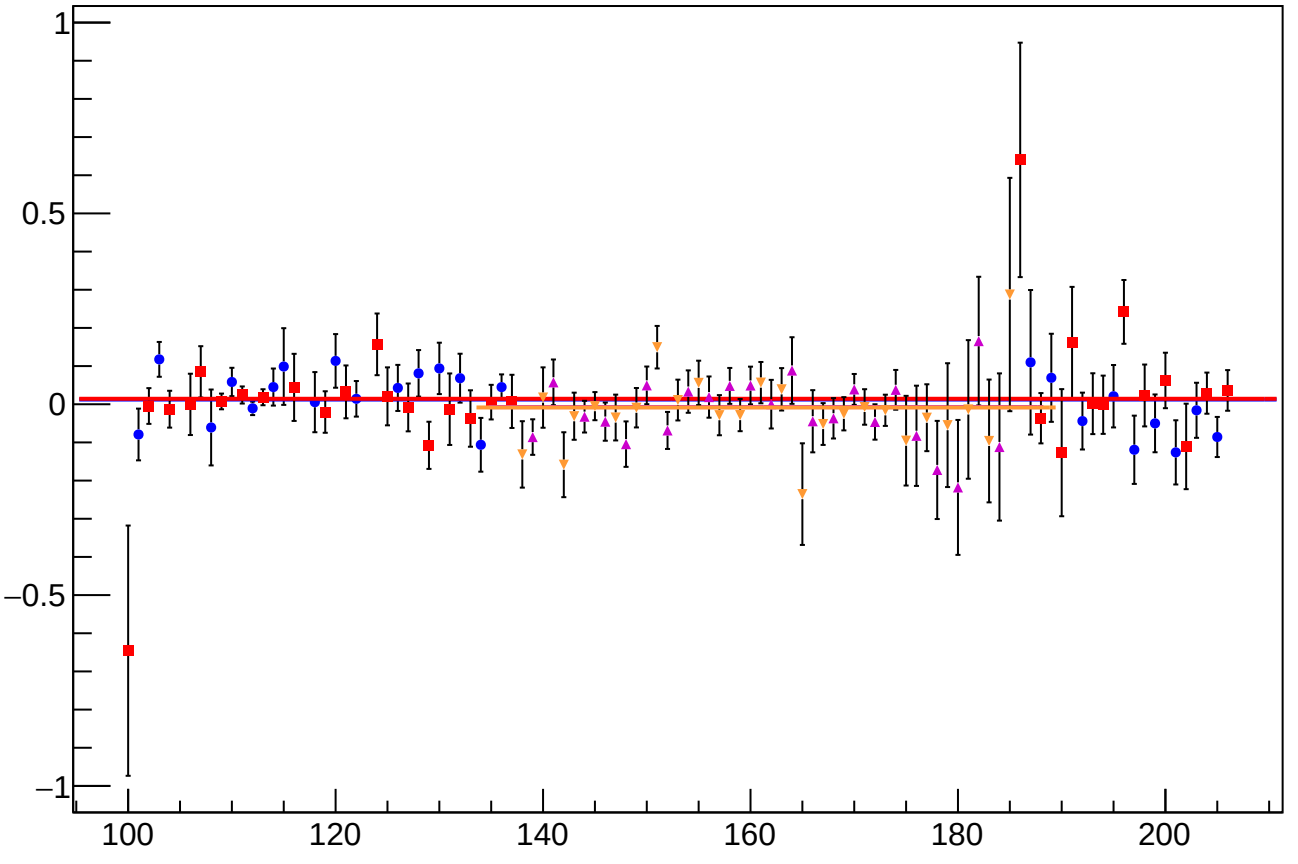
Right Out: 29.093+/-0.006 χ^2/NDF: 9803258.3/30

Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 38.514+/-0.006 χ^2/NDF: 14009285.7/49

All: 37.004+/-0.004 χ^2/NDF: 30028884.0/103

- sign 35.707+/-0.005 χ^2/NDF: 15879531.7/53



Right In: 0.012+/-0.010 χ^2/NDF: 32.0/24

Left Out: -0.008+/-0.012 χ^2/NDF:23.2/24

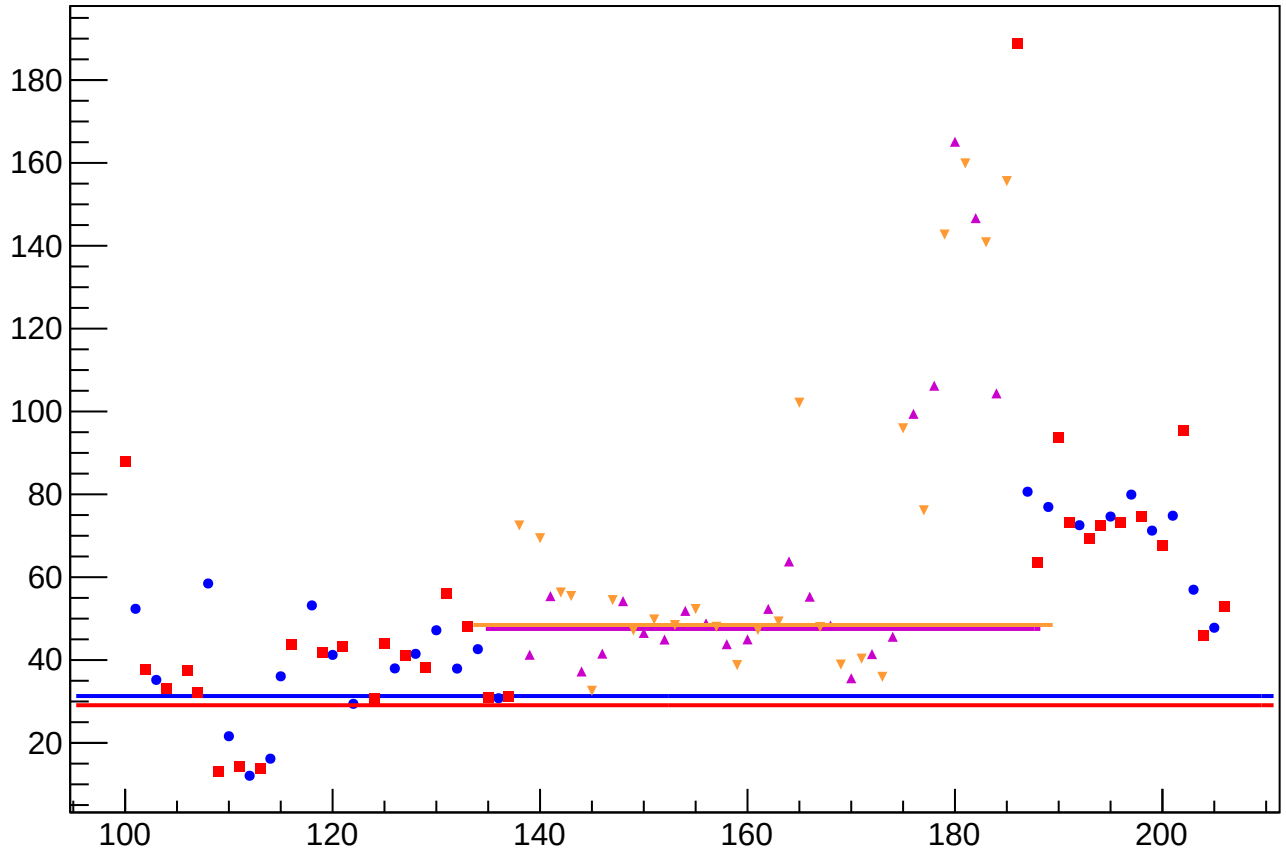
Right Out: 0.014+/-0.009 χ^2/NDF: 30.3/30

Left In: -0.007+/-0.012 χ^2/NDF:23.2/22

+ sign 0.004+/-0.008 χ^2/NDF: 56.9/49

All: 0.005+/-0.005 χ^2/NDF: 112.6/103

- sign 0.007+/-0.007 χ^2/NDF: 55.6/53



Right In: 31.312+/-0.007 χ^2/NDF: 7265215.2/24

Left Out: 48.471+/-0.008 χ^2/NDF:4373775.4/24

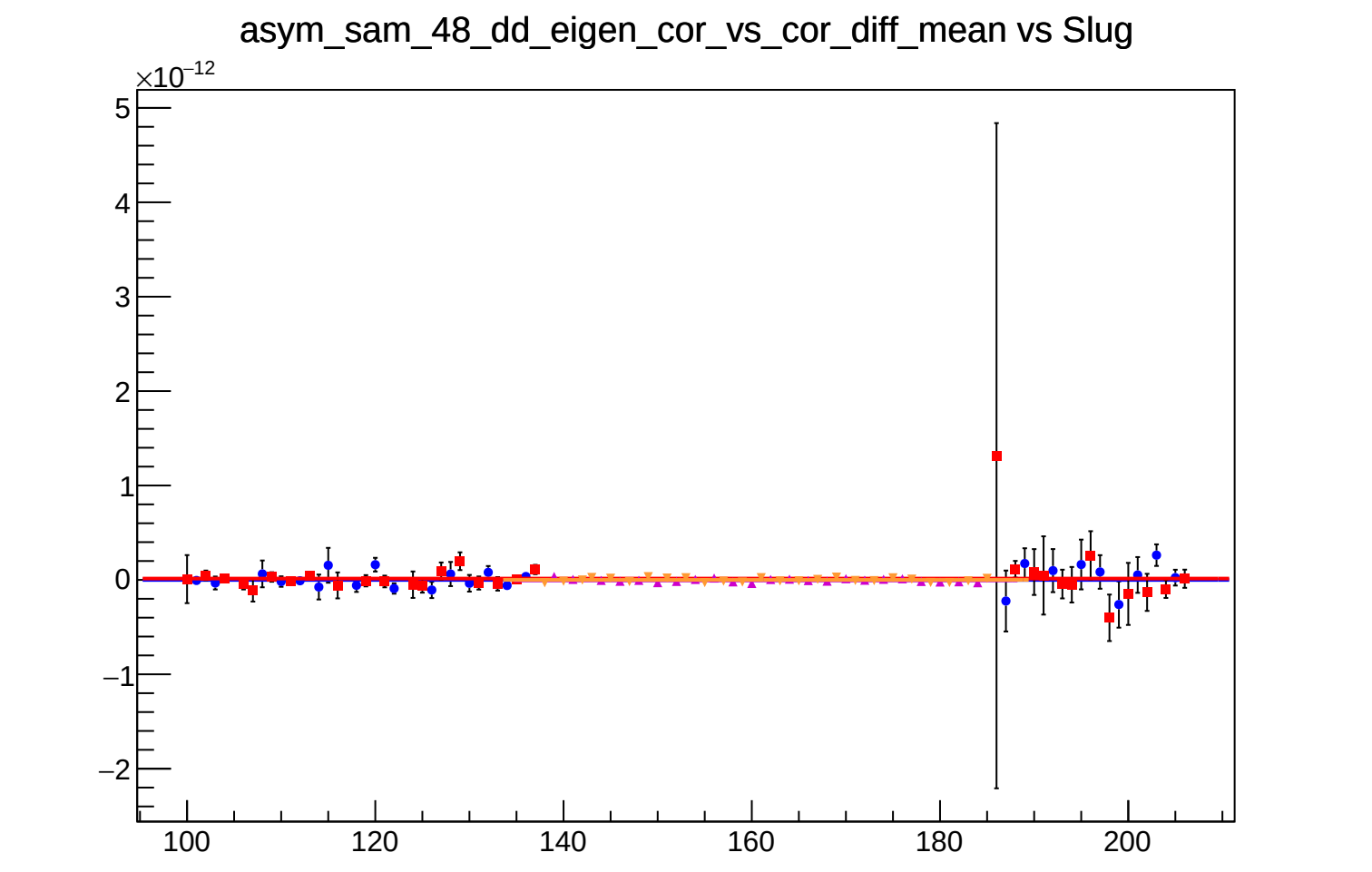
Right Out: 29.093+/-0.006 χ^2/NDF: 9803258.3/30

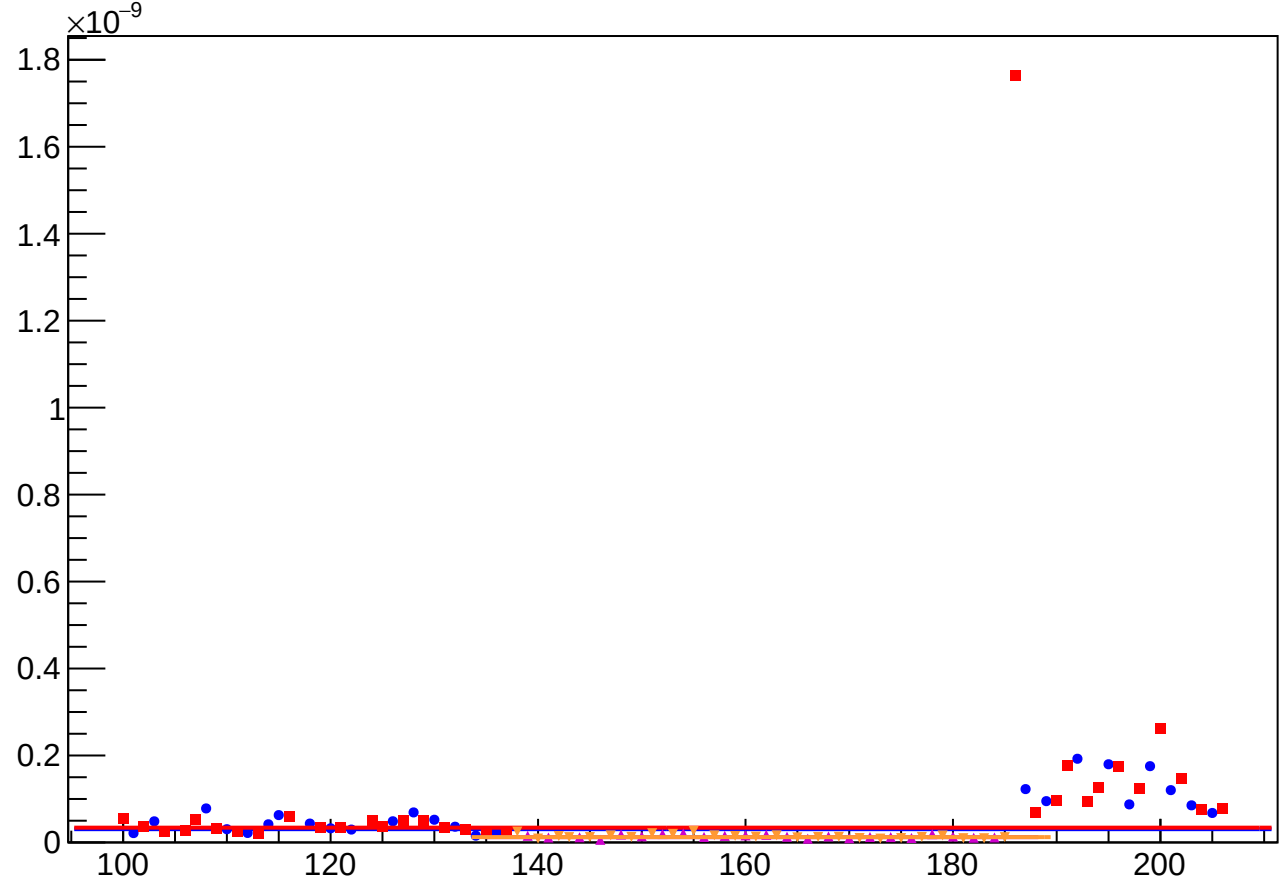
Left In: 47.505+/-0.009 χ^2/NDF:3075116.0/22

+ sign 38.514+/-0.006 χ^2/NDF: 14009285.7/49

All: 37.004+/-0.004 χ^2/NDF: 30028884.0/103

- sign 35.707+/-0.005 χ^2/NDF: 15879531.7/53


asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10^−12
5
4
3
2
1
0
−1
−2
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 28.0/24
Left Out: 0.000+/-0.000 χ²/NDF:31.4/24
Right Out: 0.000+/-0.000 χ²/NDF: 22.7/30
Left In: -0.000+/-0.000 χ²/NDF:19.1/22
+ sign -0.000+/-0.000 χ²/NDF: 59.4/49
All: -0.000+/-0.000 χ²/NDF: 104.0/103
- sign -0.000+/-0.000 χ²/NDF: 44.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 6233498.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1915201.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6436498.6/30

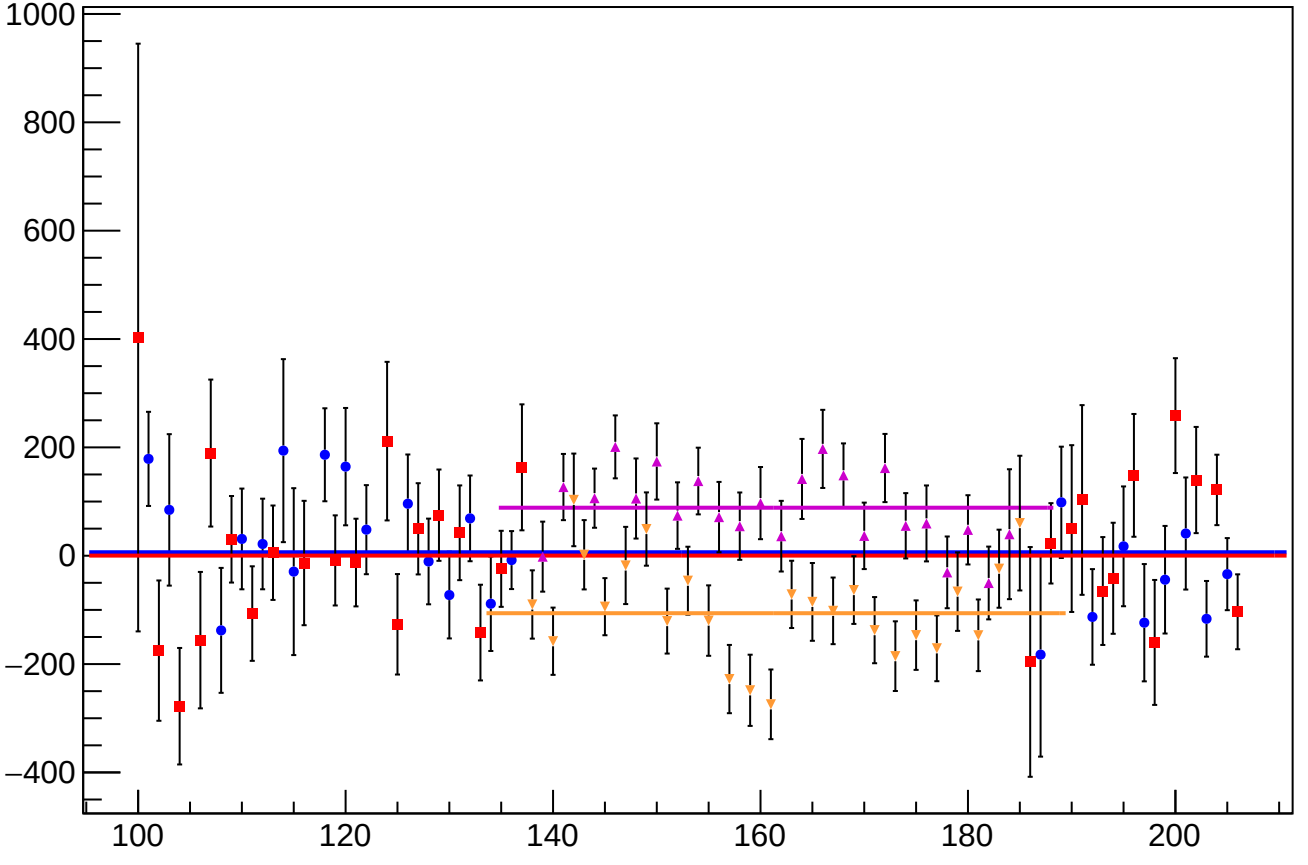
Left In: 0.000+/-0.000 χ^2/NDF:1925839.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12215391.6/49

All: 0.000+/-0.000 χ^2/NDF: 26011342.0/103

- sign 0.000+/-0.000 χ^2/NDF: 13792153.3/53

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 6.429+/-18.004 χ^2/NDF: 26.8/24

Left Out: -106.100+/-13.089 χ^2/NDF:40.7/24

Right Out: 0.228+/-17.388 χ^2/NDF: 43.6/30

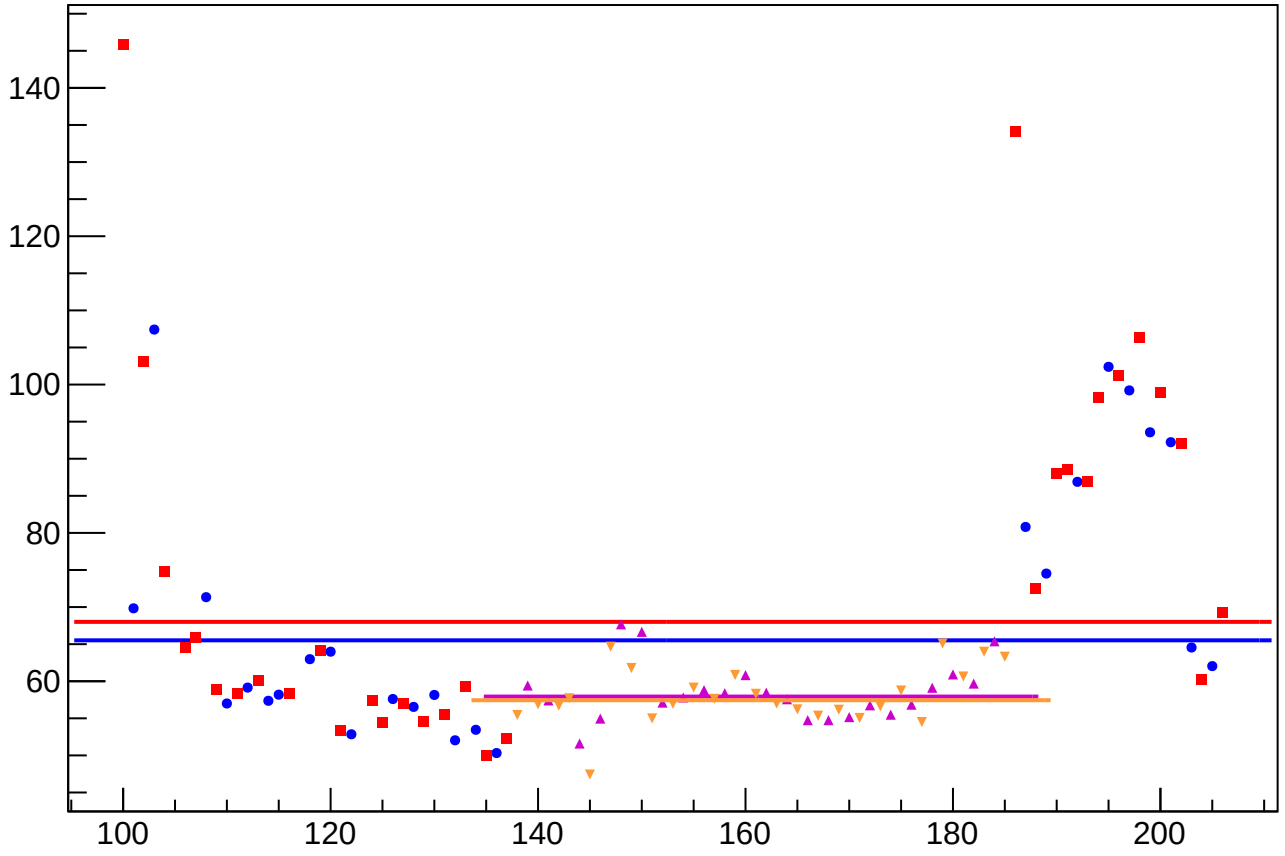
Left In: 88.619+/-13.566 χ^2/NDF:23.9/22

+ sign -67.188+/-10.587 χ^2/NDF: 93.0/49

All: -6.634+/-7.524 χ^2/NDF: 242.7/103

- sign 55.173+/-10.696 χ^2/NDF: 83.5/53

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 65.516+/-0.013 χ^2/NDF: 1453178.5/24

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

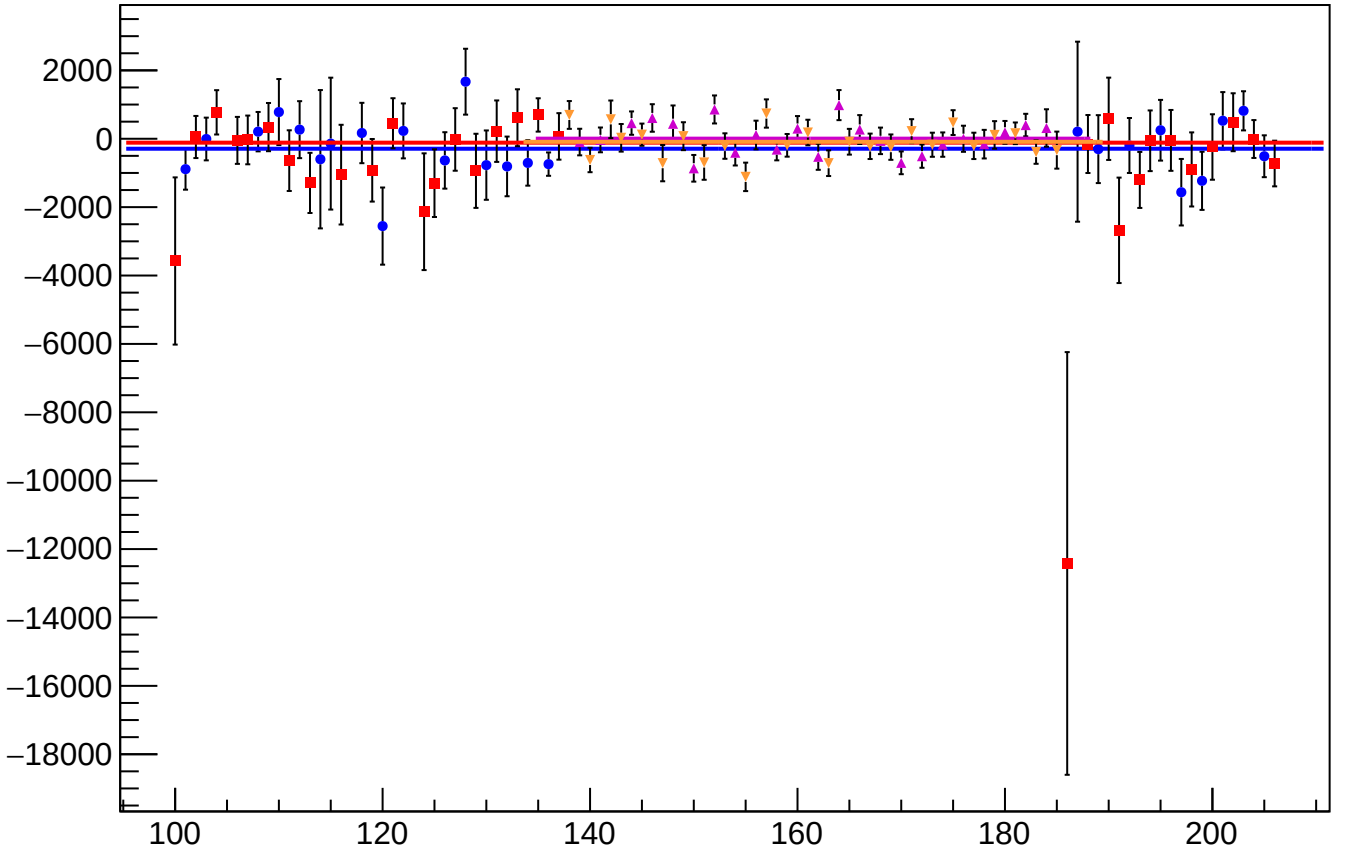
Right Out: 68.006+/-0.012 χ^2/NDF: 1938421.2/30

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.233+/-0.007 χ^2/NDF: 1891000.8/49

All: 60.981+/-0.005 χ^2/NDF: 4402724.8/103

- sign 61.744+/-0.008 χ^2/NDF: 2491551.3/53



Right In: -291.879+/-150.385 χ^2/NDF: 23.6/24

Left Out: -89.059+/-77.011 χ^2/NDF:29.9/24

Right Out: -114.574+/-148.704 χ^2/NDF: 26.2/30

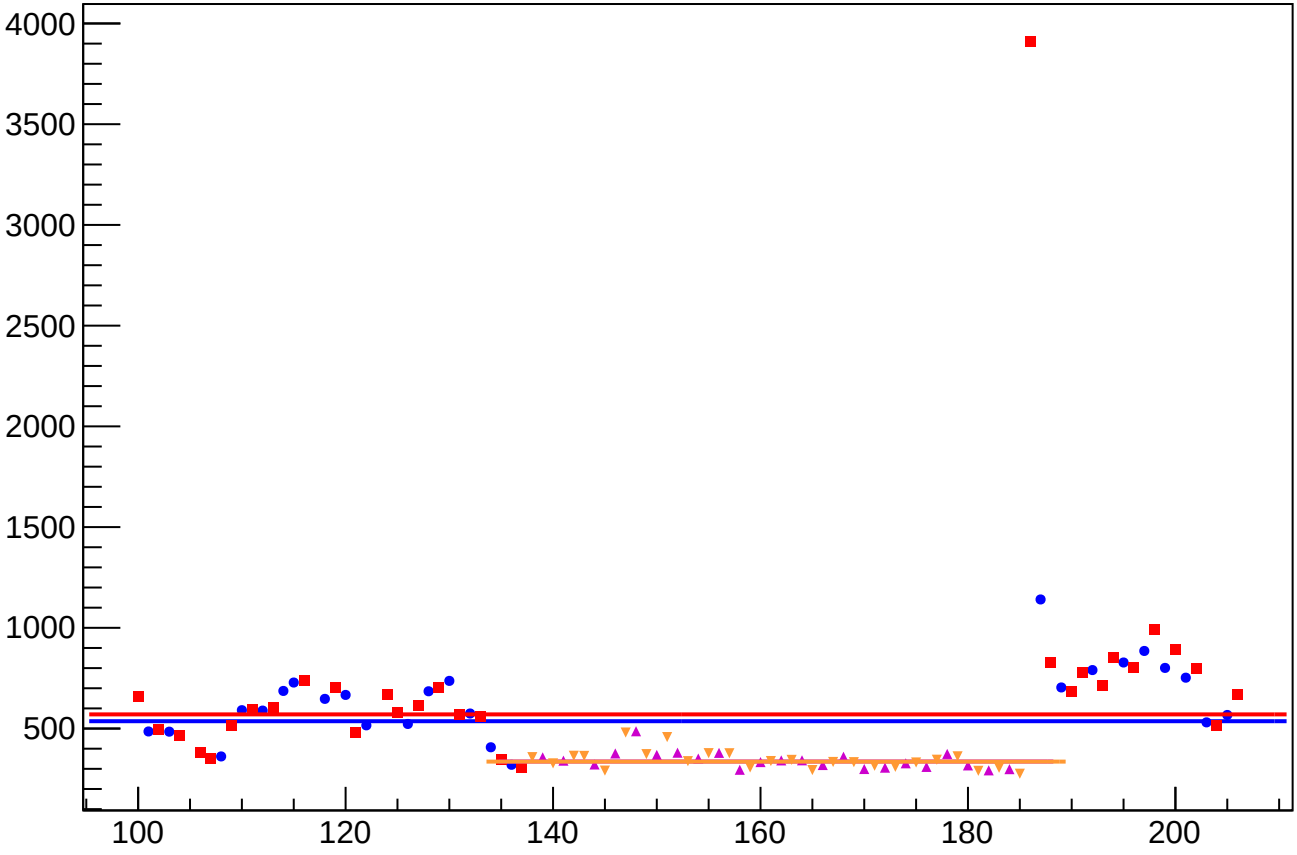
Left In: 3.046+/-79.193 χ^2/NDF:33.6/22

+ sign -131.196+/-68.546 χ^2/NDF: 54.9/49

All: -78.127+/-48.941 χ^2/NDF: 116.4/103

- sign -22.942+/-69.899 χ^2/NDF: 60.3/53

asym_sam_13_57_dd_reg_correction_rms vs Slug



Right In: 536.434+/-0.106 χ^2/NDF: 2491583.5/24

Left Out: 335.894+/-0.054 χ^2/NDF:533835.0/24

Right Out: 570.309+/-0.105 χ^2/NDF: 3266874.1/30

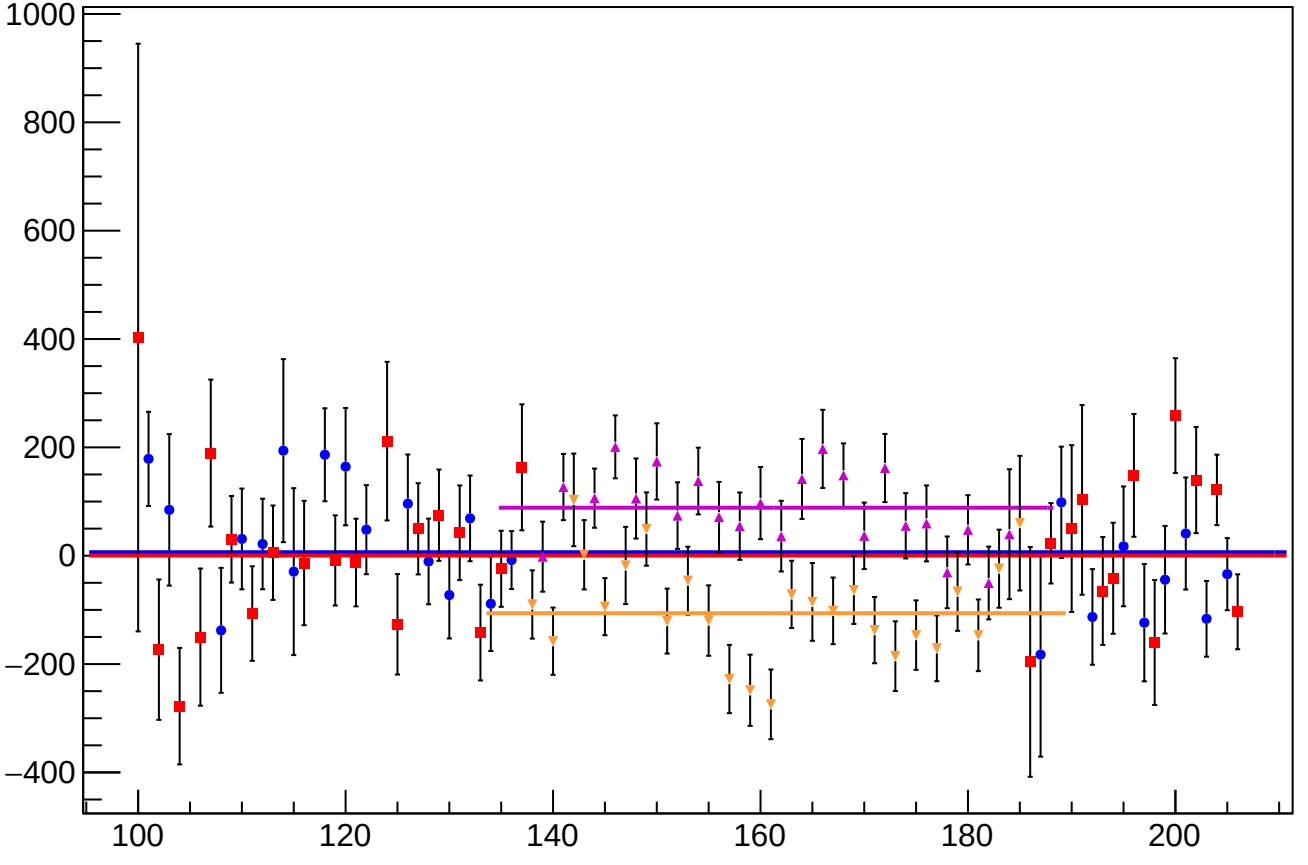
Left In: 336.343+/-0.056 χ^2/NDF:414202.1/22

+ sign 377.558+/-0.048 χ^2/NDF: 5843021.2/49

All: 382.695+/-0.035 χ^2/NDF: 13404041.6/10

- sign 388.038+/-0.049 χ^2/NDF: 7538102.3/53

cor_asym_sam_13_57_dd_mean vs Slug



Right In: 6.426+/-18.004 χ^2/NDF: 26.8/24

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 0.403+/-17.390 χ^2/NDF: 43.4/30

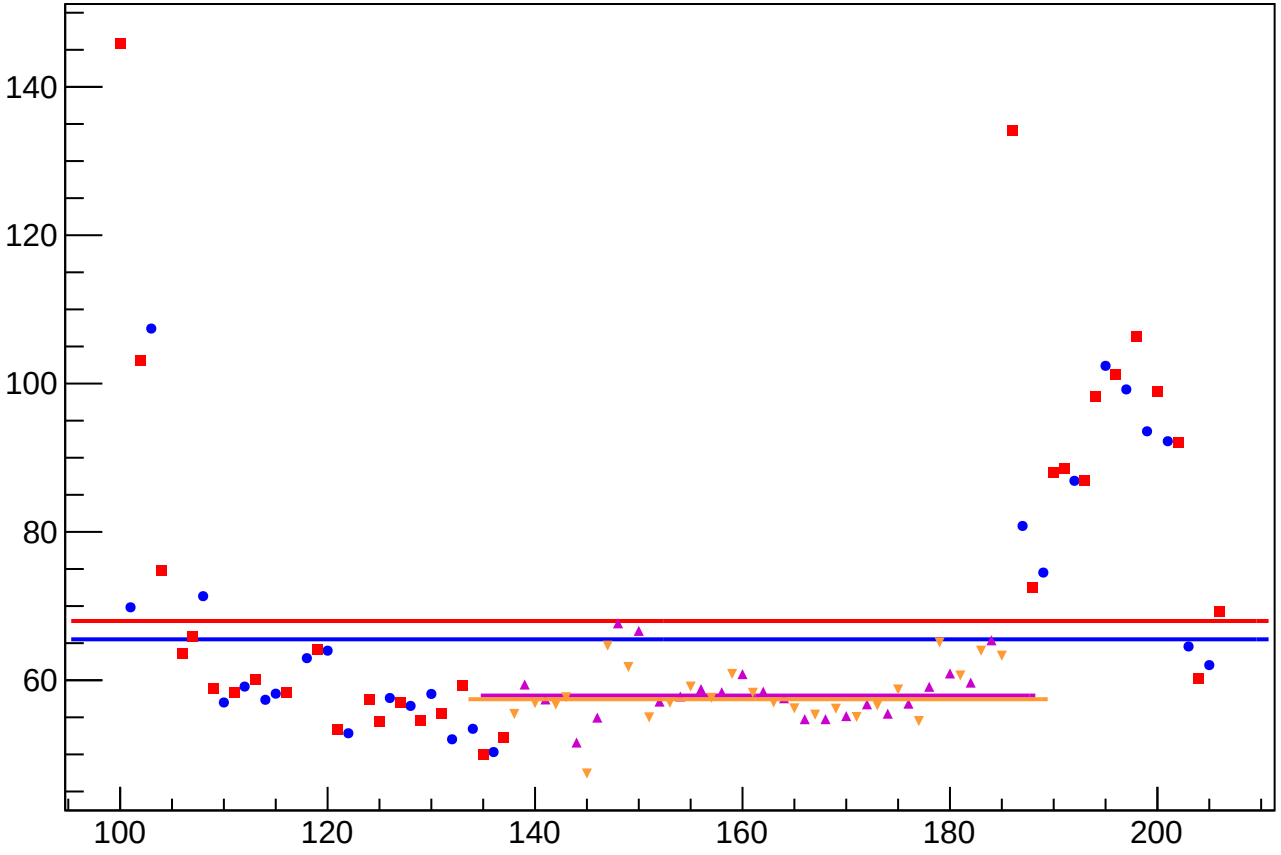
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -67.189+/-10.587 χ^2/NDF: 93.0/49

All: -6.602+/-7.524 χ^2/NDF: 242.5/103

- sign 55.245+/-10.696 χ^2/NDF: 83.3/53

cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.516+/-0.013 χ^2/NDF: 1453180.5/24

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

Right Out: 67.988+/-0.012 χ^2/NDF: 1939576.7/30

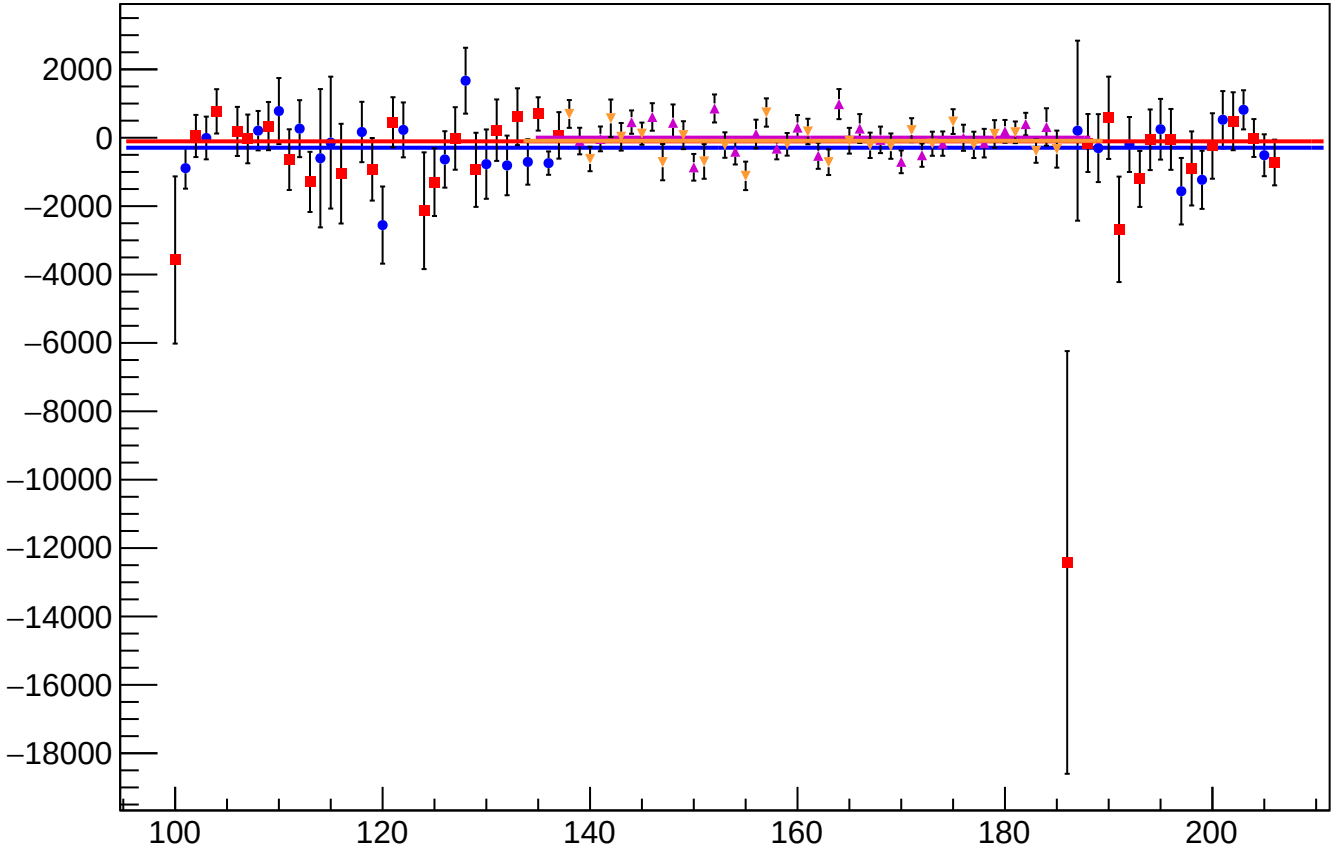
Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

\+ sign 60.233+/-0.007 χ^2/NDF: 1891002.9/49

All: 60.977+/-0.005 χ^2/NDF: 4402167.5/103

\- sign 61.737+/-0.008 χ^2/NDF: 2491185.1/53

asym_sam_13_57_dd_cor_correction_mean vs Slug



Right In: -291.855+/-150.385 χ^2/NDF: 23.6/24

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -104.831+/-149.007 χ^2/NDF: 26.4/30

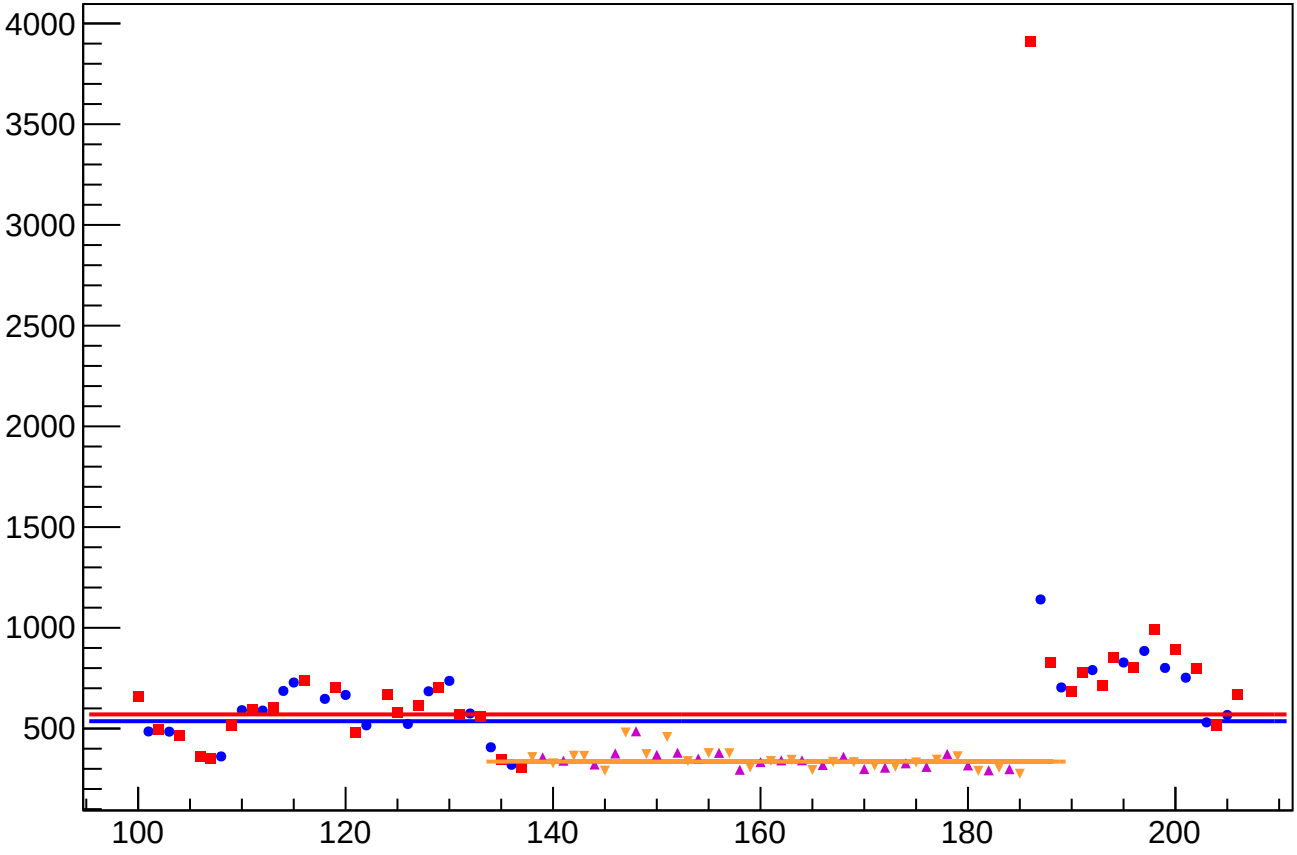
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -131.193+/-68.546 χ^2/NDF: 54.9/49

All: -77.057+/-48.951 χ^2/NDF: 116.6/103

- sign -20.713+/-69.930 χ^2/NDF: 60.4/53

asym_sam_13_57_dd_cor_correction_rms vs Slug



Right In: 536.436+/-0.106 χ^2/NDF: 2491560.9/24

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

Right Out: 570.190+/-0.105 χ^2/NDF: 3286091.9/30

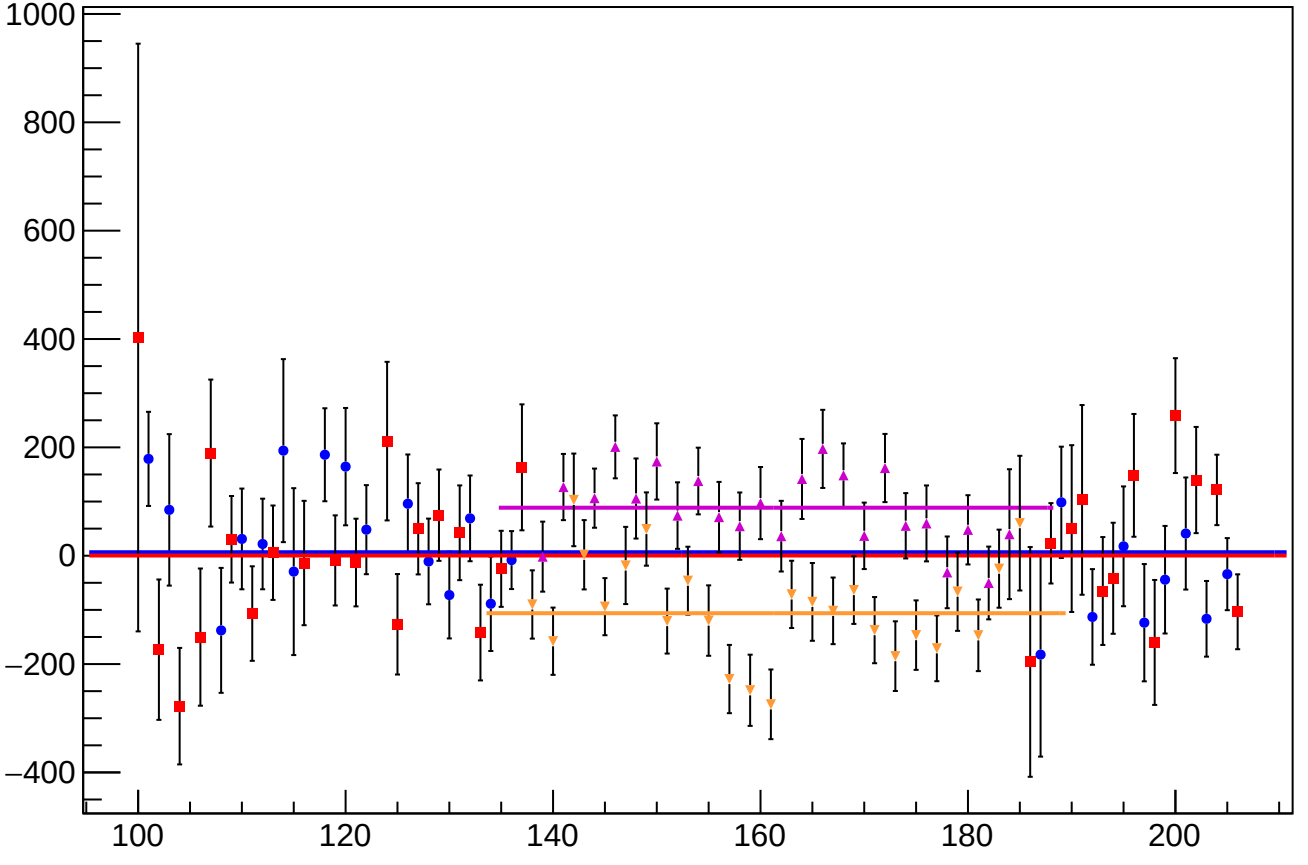
Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 377.558+/-0.048 χ^2/NDF: 5843047.6/49

All: 382.600+/-0.035 χ^2/NDF: 13406365.5/10

- sign 387.848+/-0.049 χ^2/NDF: 7541232.9/53

eigen_cor_asym_sam_13_57_dd_mean vs Slug



Right In: 6.426+/-18.004 χ^2/NDF: 26.8/24

Left Out: -106.099+/-13.089 χ^2/NDF:40.7/24

Right Out: 0.403+/-17.390 χ^2/NDF: 43.4/30

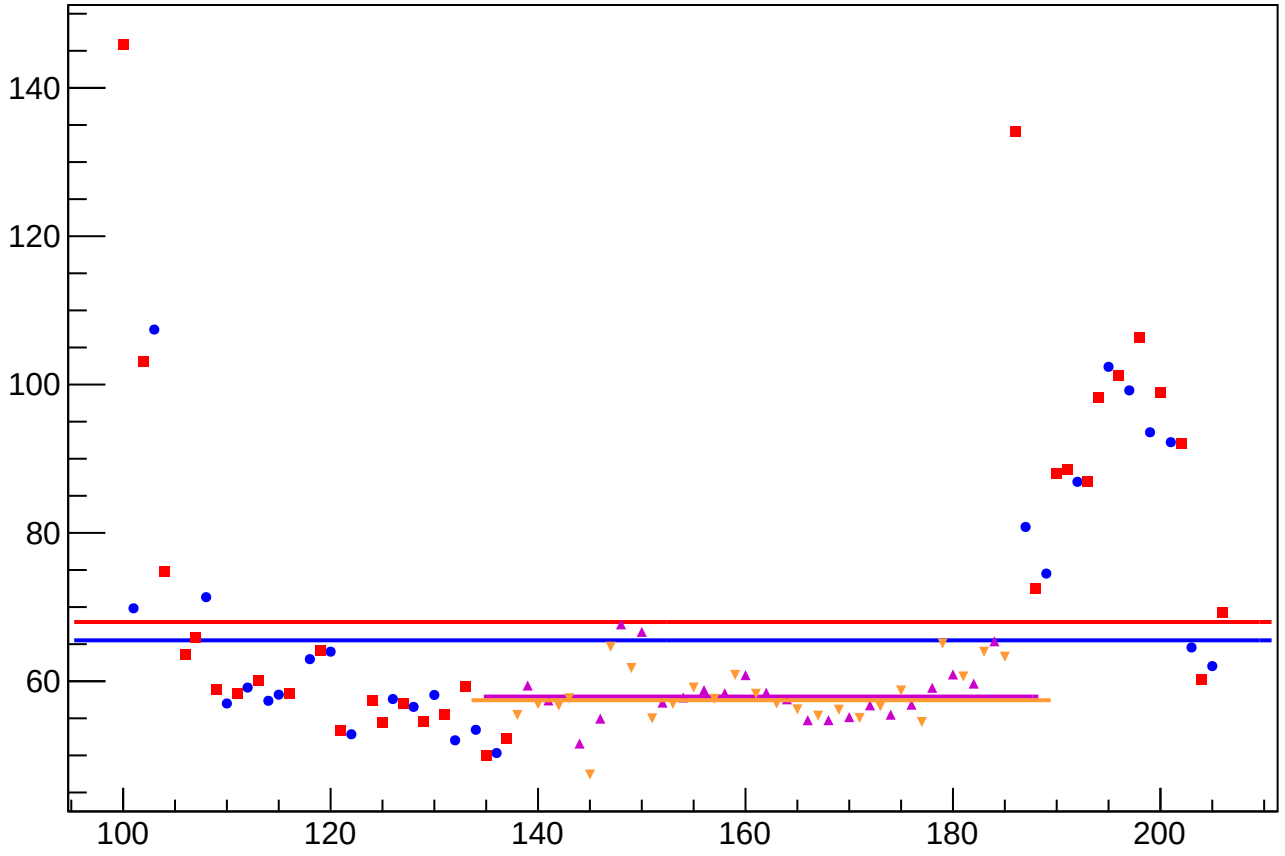
Left In: 88.621+/-13.566 χ^2/NDF:23.9/22

+ sign -67.189+/-10.587 χ^2/NDF: 93.0/49

All: -6.602+/-7.524 χ^2/NDF: 242.5/103

- sign 55.245+/-10.696 χ^2/NDF: 83.3/53

eigen_cor_asym_sam_13_57_dd_rms vs Slug



Right In: 65.516+/-0.013 χ^2/NDF: 1453180.5/24

Left Out: 57.440+/-0.009 χ^2/NDF:174555.9/24

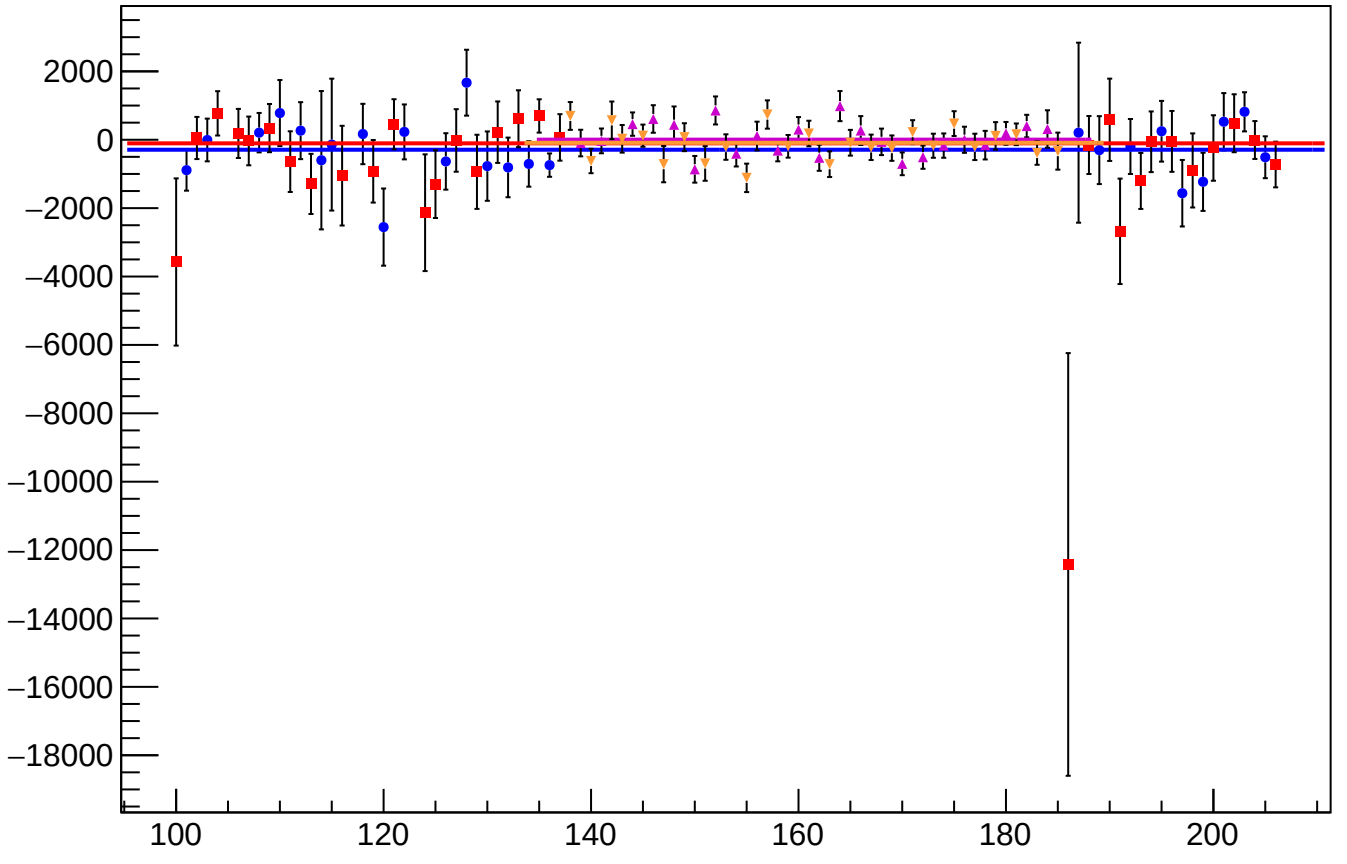
Right Out: 67.988+/-0.012 χ^2/NDF: 1939576.7/30

Left In: 57.933+/-0.010 χ^2/NDF:135903.0/22

+ sign 60.233+/-0.007 χ^2/NDF: 1891002.9/49

All: 60.977+/-0.005 χ^2/NDF: 4402167.5/103

- sign 61.737+/-0.008 χ^2/NDF: 2491185.1/53



Right In: -291.855+/-150.385 χ^2/NDF: 23.6/24

Left Out: -89.061+/-77.011 χ^2/NDF:29.9/24

Right Out: -104.831+/-149.007 χ^2/NDF: 26.4/30

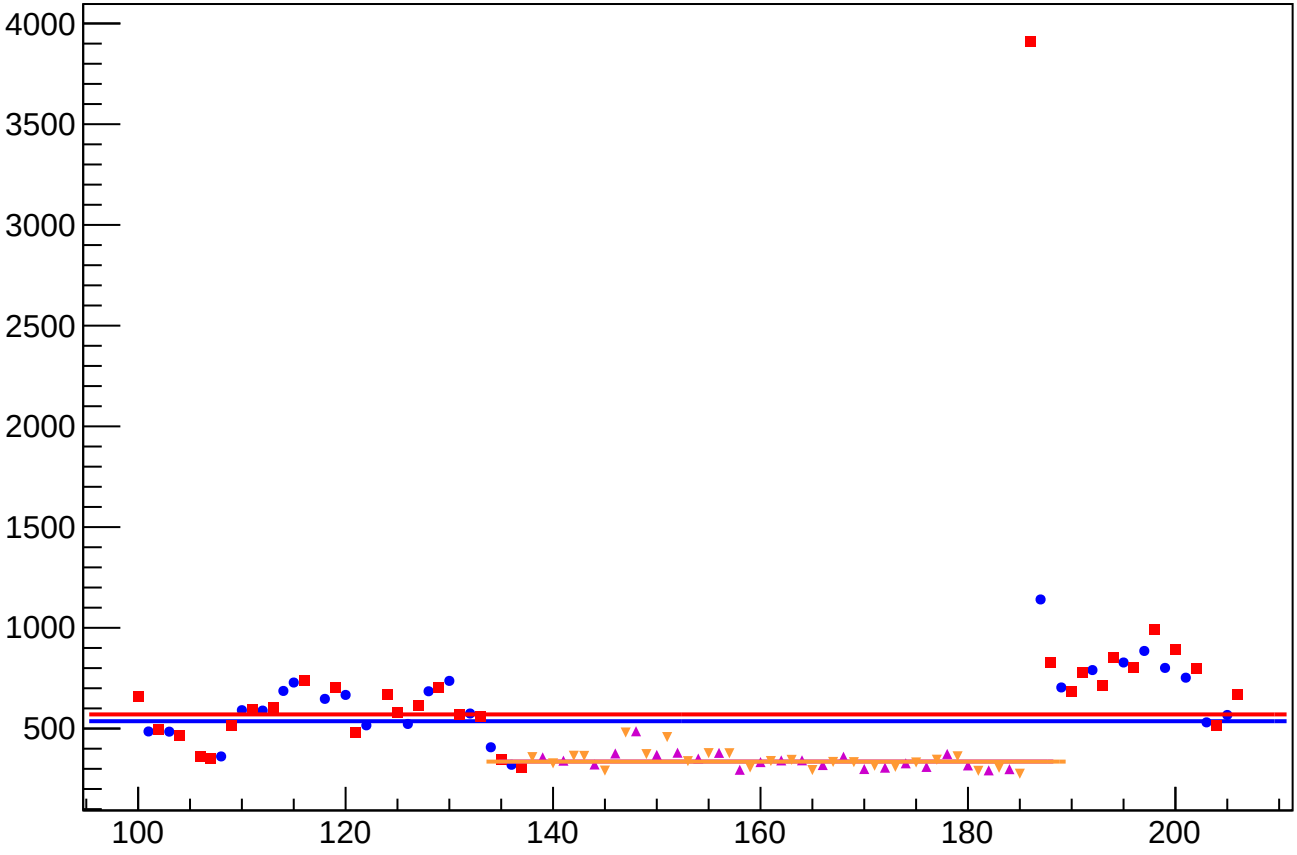
Left In: 3.047+/-79.193 χ^2/NDF:33.6/22

+ sign -131.193+/-68.546 χ^2/NDF: 54.9/49

All: -77.057+/-48.951 χ^2/NDF: 116.6/103

- sign -20.713+/-69.930 χ^2/NDF: 60.4/53

asym_sam_13_57_dd_eigen_cor_correction_rms vs Slug



Right In: 536.436+/-0.106 χ^2/NDF: 2491560.9/24

Left Out: 335.894+/-0.054 χ^2/NDF:533835.9/24

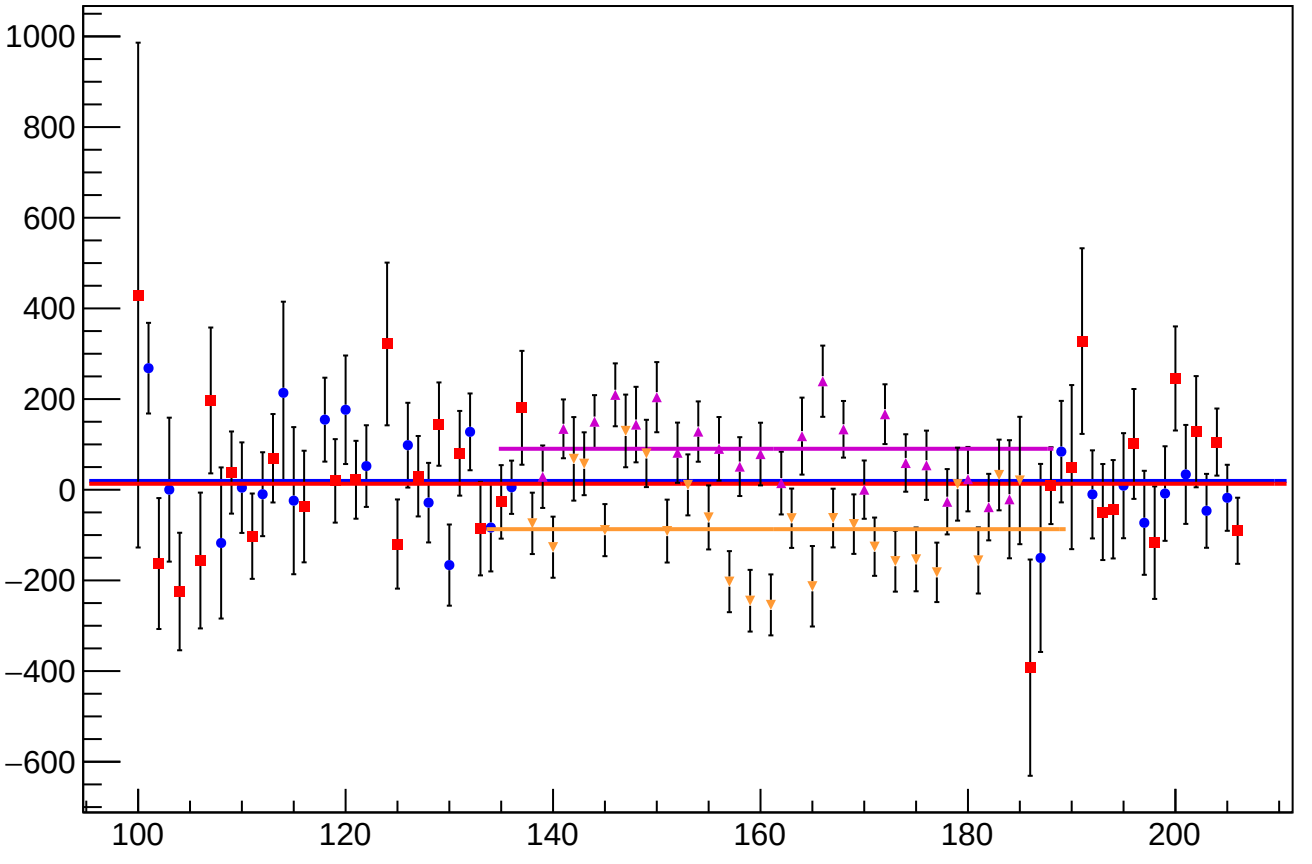
Right Out: 570.190+/-0.105 χ^2/NDF: 3286091.9/30

Left In: 336.343+/-0.056 χ^2/NDF:414205.9/22

+ sign 377.558+/-0.048 χ^2/NDF: 5843047.6/49

All: 382.600+/-0.035 χ^2/NDF: 13406365.5/10

- sign 387.848+/-0.049 χ^2/NDF: 7541232.9/53



Right In: 19.395+/-19.825 χ^2/NDF: 22.9/24

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 13.190+/-19.287 χ^2/NDF: 36.5/30

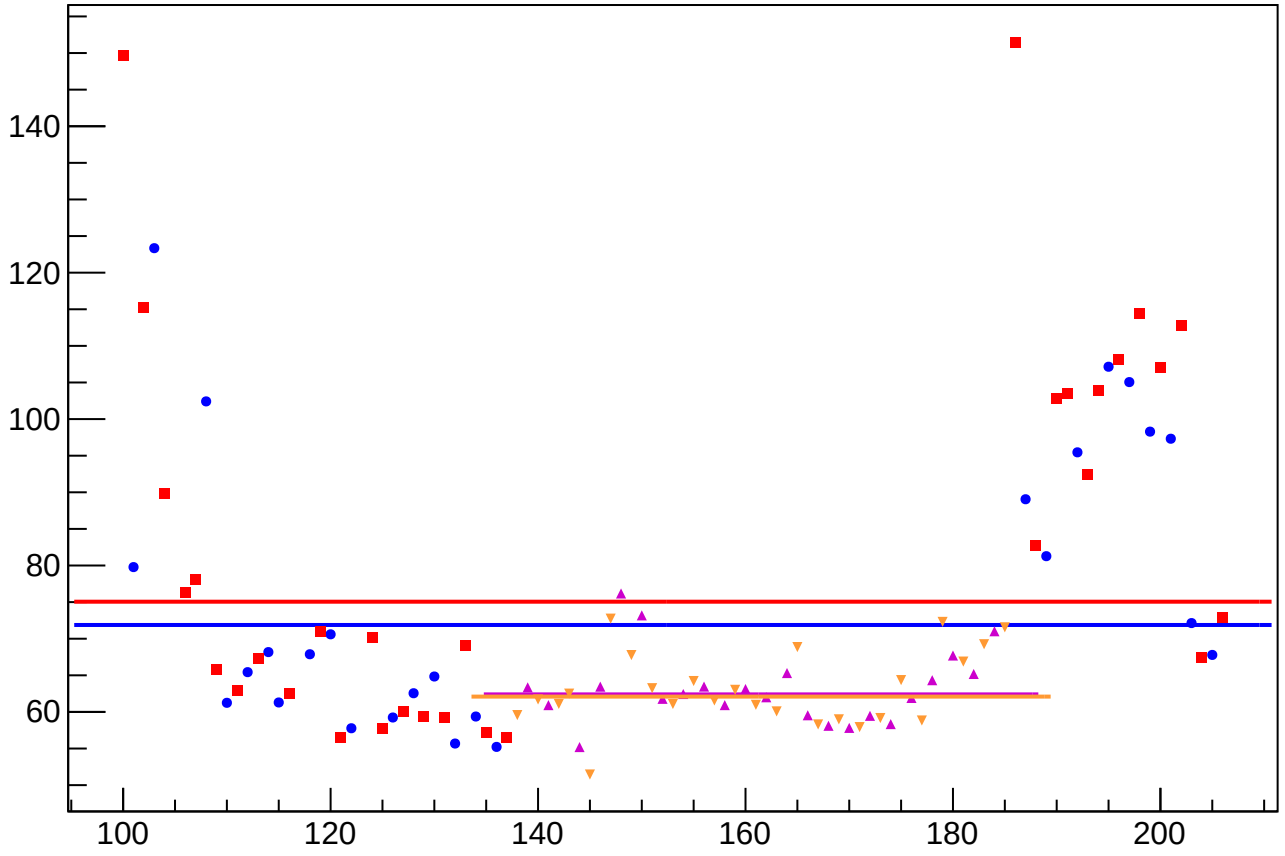
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -50.982+/-11.531 χ^2/NDF: 90.7/49

All: 4.889+/-8.202 χ^2/NDF: 209.9/103

- sign 62.113+/-11.669 χ^2/NDF: 71.7/53

dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.877+/-0.014 χ^2/NDF: 1464376.6/24

Left Out: 62.093+/-0.010 χ^2/NDF:233343.0/24

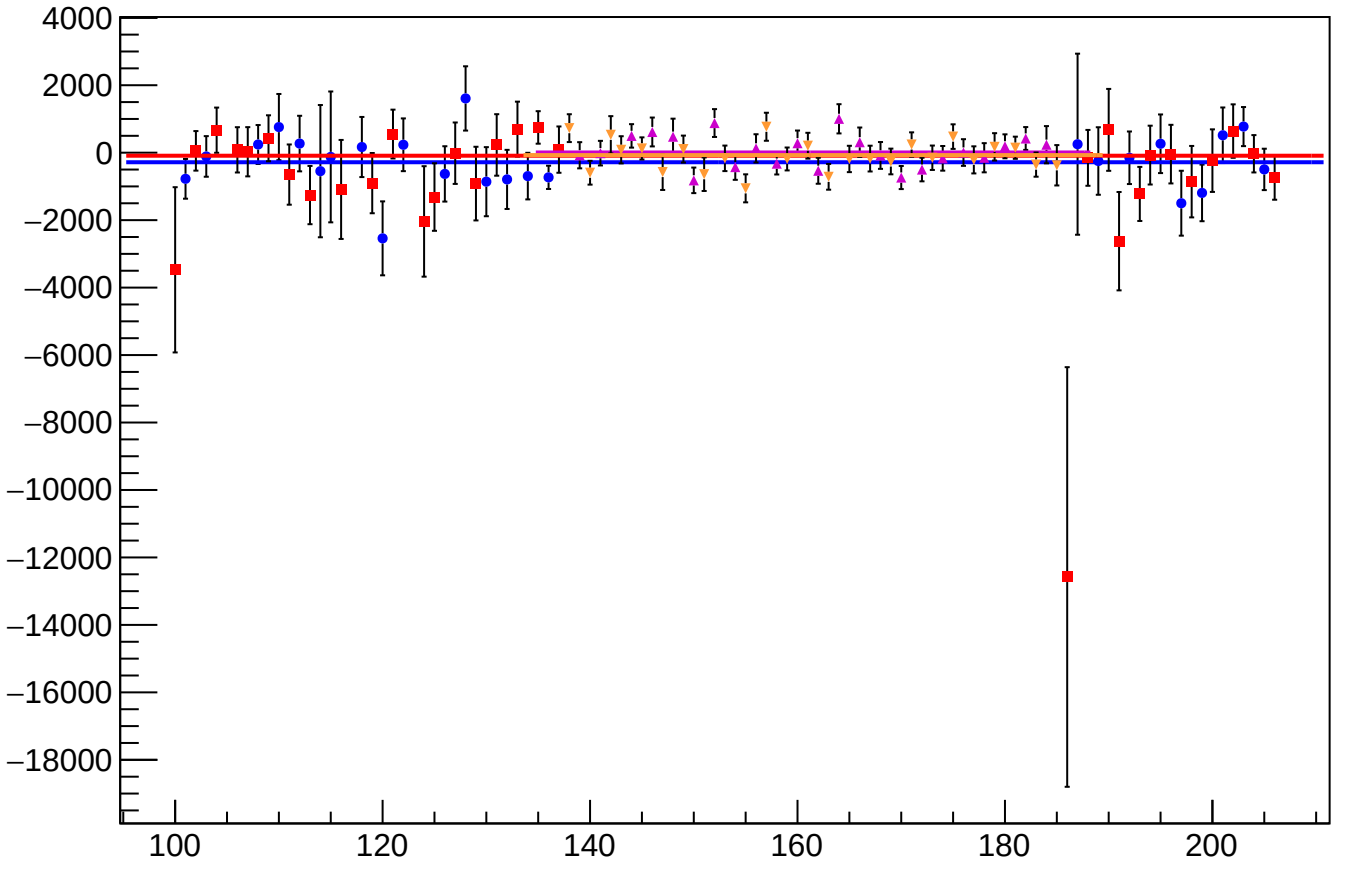
Right Out: 75.057+/-0.014 χ^2/NDF: 2007873.3/30

Left In: 62.395+/-0.010 χ^2/NDF:188814.3/22

+ sign 65.403+/-0.008 χ^2/NDF: 2020036.3/49

All: 66.207+/-0.006 χ^2/NDF: 4782790.2/103

- sign 67.030+/-0.008 χ^2/NDF: 2743074.1/53



Right In: -283.508+/-149.956 χ^2/NDF: 22.6/24

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

Right Out: -90.027+/-146.833 χ^2/NDF: 27.7/30

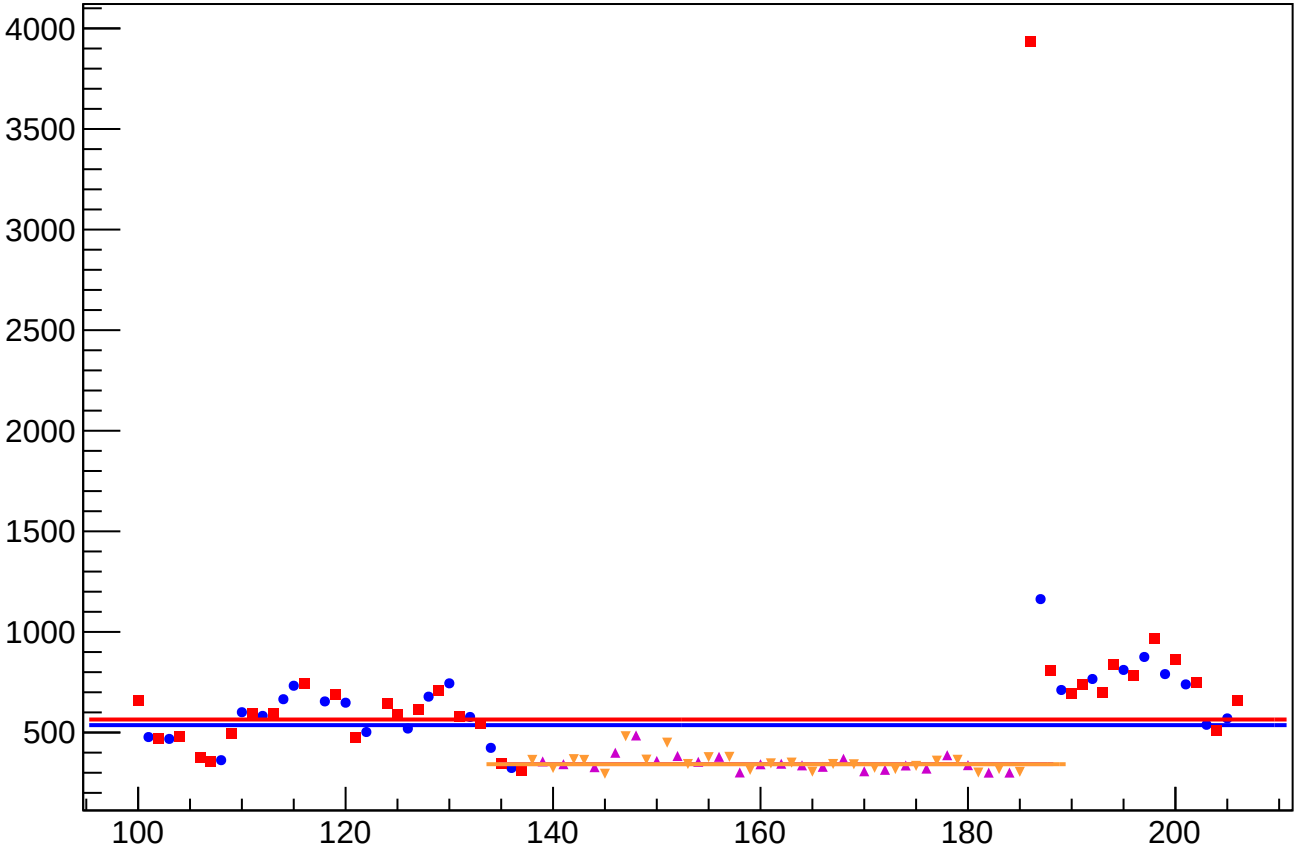
Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -116.872+/-69.477 χ^2/NDF: 52.7/49

All: -67.459+/-49.576 χ^2/NDF: 115.8/103

- sign -16.200+/-70.763 χ^2/NDF: 62.0/53

asym_sam_13_57_dd_dit_correction_rms vs Slug



Right In: 536.683+/-0.106 χ^2/NDF: 2379506.5/24

Left Out: 342.502+/-0.055 χ^2/NDF:434208.3/24

Right Out: 564.656+/-0.104 χ^2/NDF: 3128593.2/30

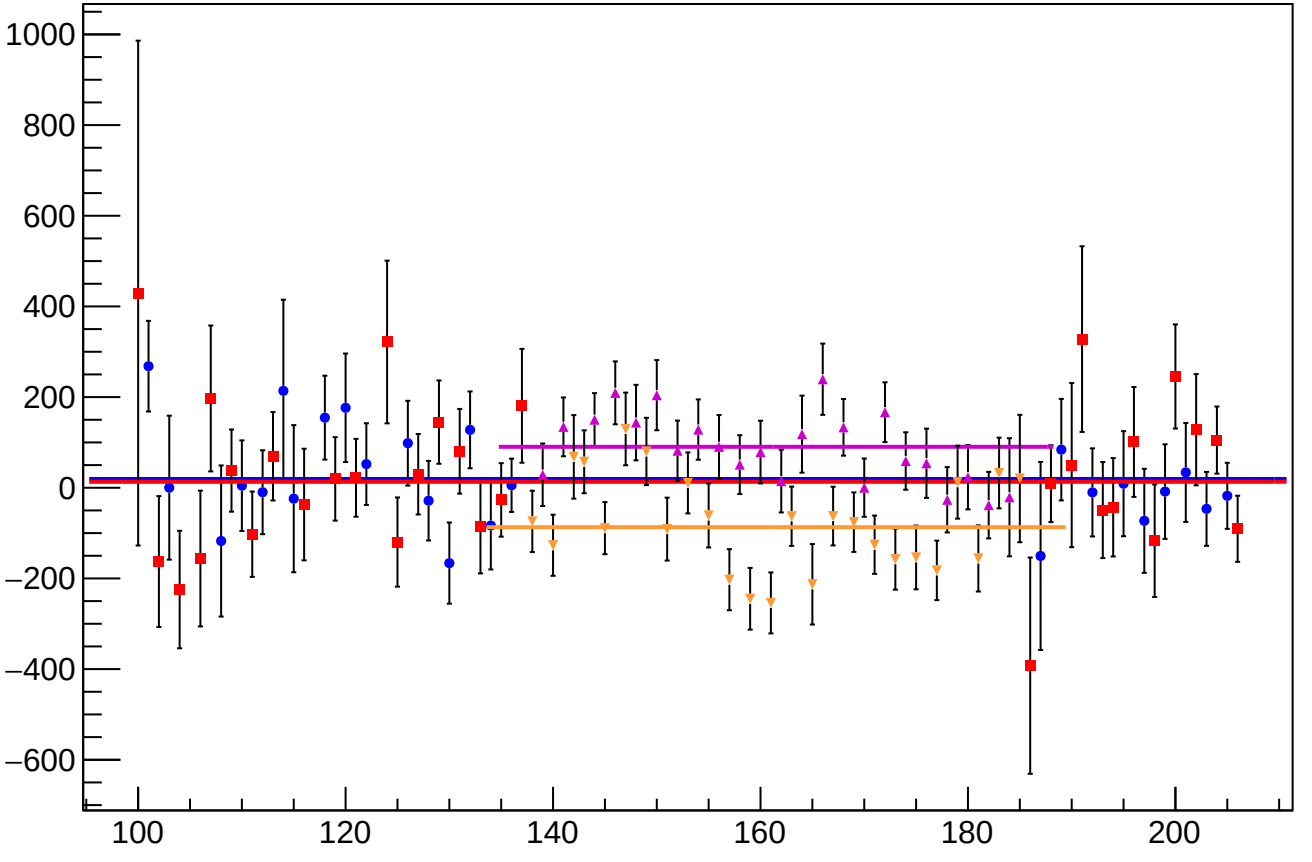
Left In: 343.245+/-0.057 χ^2/NDF:372991.6/22

+ sign 384.186+/-0.049 χ^2/NDF: 5447444.6/49

All: 389.331+/-0.035 χ^2/NDF: 12462767.6/10

- sign 394.668+/-0.050 χ^2/NDF: 6992975.7/53

eigen_dit_asym_sam_13_57_dd_mean vs Slug



Right In: 19.395+/-19.825 χ^2/NDF: 22.9/24

Left Out: -86.957+/-14.175 χ^2/NDF:48.8/24

Right Out: 13.191+/-19.287 χ^2/NDF: 36.5/30

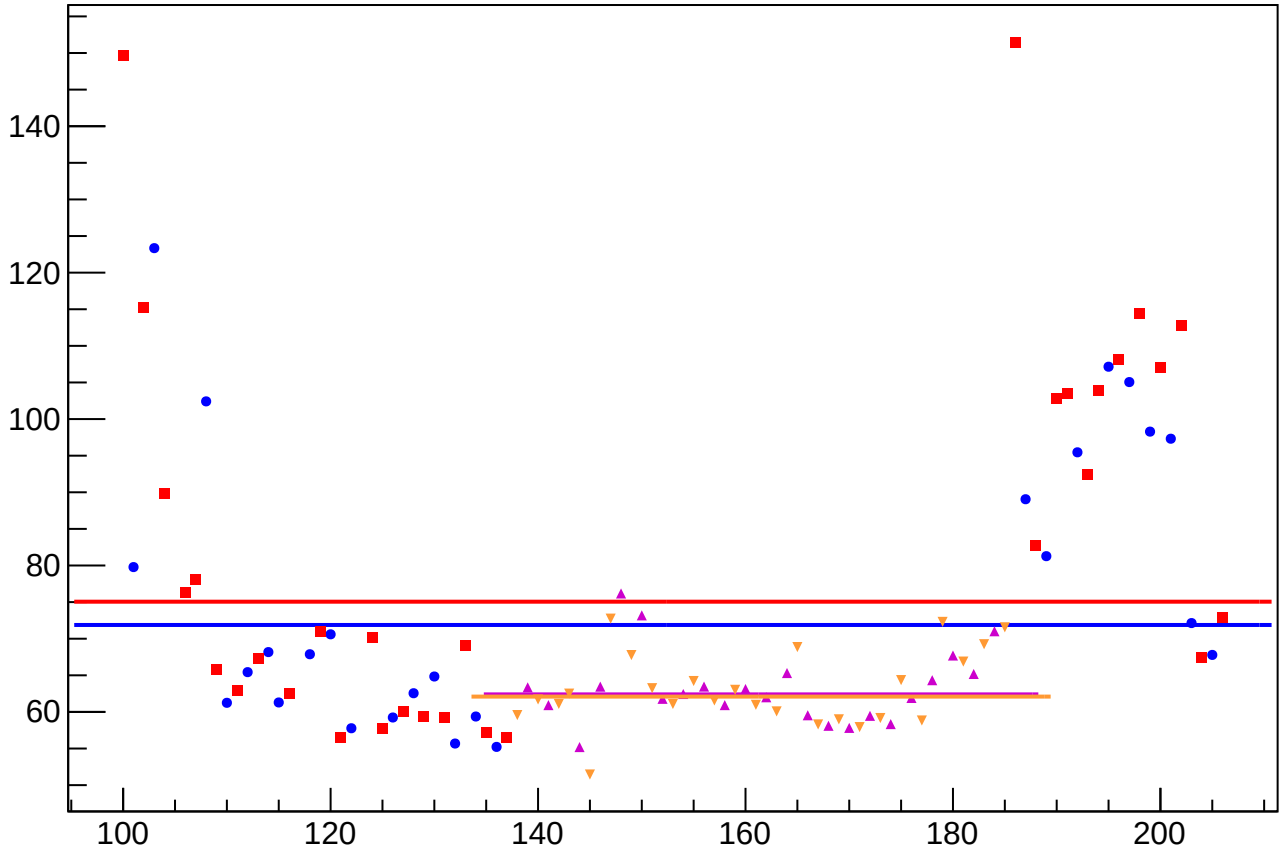
Left In: 90.363+/-14.656 χ^2/NDF:25.0/22

+ sign -50.981+/-11.531 χ^2/NDF: 90.7/49

All: 4.889+/-8.202 χ^2/NDF: 209.9/103

- sign 62.113+/-11.669 χ^2/NDF: 71.7/53

eigen_dit_asym_sam_13_57_dd_rms vs Slug



Right In: 71.877+/-0.014 χ^2/NDF: 1464397.8/24

Left Out: 62.093+/-0.010 χ^2/NDF:233347.2/24

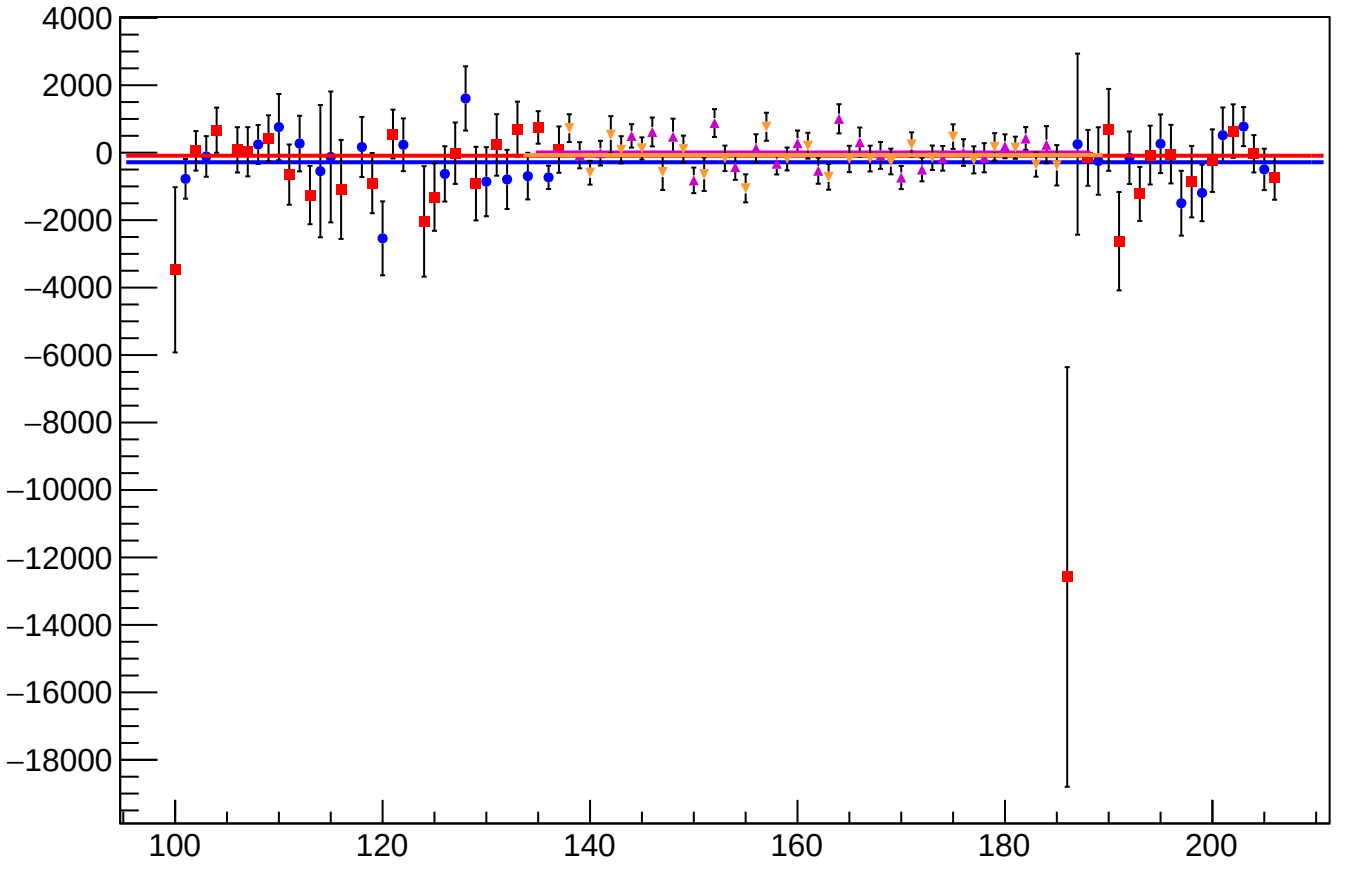
Right Out: 75.057+/-0.014 χ^2/NDF: 2007875.5/30

Left In: 62.395+/-0.010 χ^2/NDF:188817.4/22

+ sign 65.403+/-0.008 χ^2/NDF: 2020057.4/49

All: 66.207+/-0.006 χ^2/NDF: 4782810.5/103

- sign 67.030+/-0.008 χ^2/NDF: 2743072.7/53



Right In: -283.508+/-149.955 χ^2/NDF: 22.6/24

Left Out: -71.324+/-78.399 χ^2/NDF:28.6/24

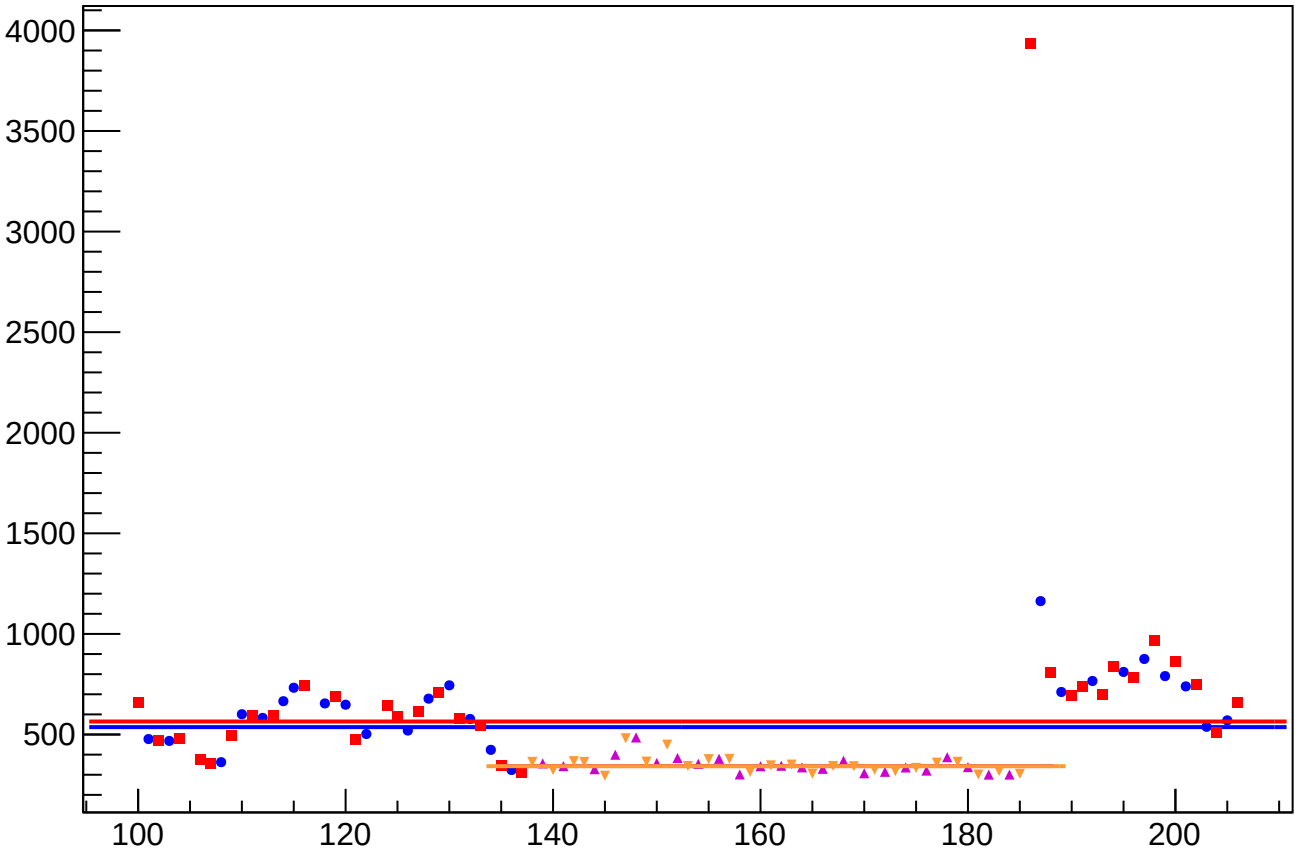
Right Out: -90.027+/-146.833 χ^2/NDF: 27.7/30

Left In: 6.134+/-80.760 χ^2/NDF:34.0/22

+ sign -116.872+/-69.477 χ^2/NDF: 52.7/49

All: -67.459+/-49.576 χ^2/NDF: 115.8/103

- sign -16.199+/-70.763 χ^2/NDF: 62.0/53



Right In: 536.682+/-0.106 χ^2/NDF: 2379510.5/24

Left Out: 342.502+/-0.055 χ^2/NDF:434210.5/24

Right Out: 564.655+/-0.104 χ^2/NDF: 3128598.6/30

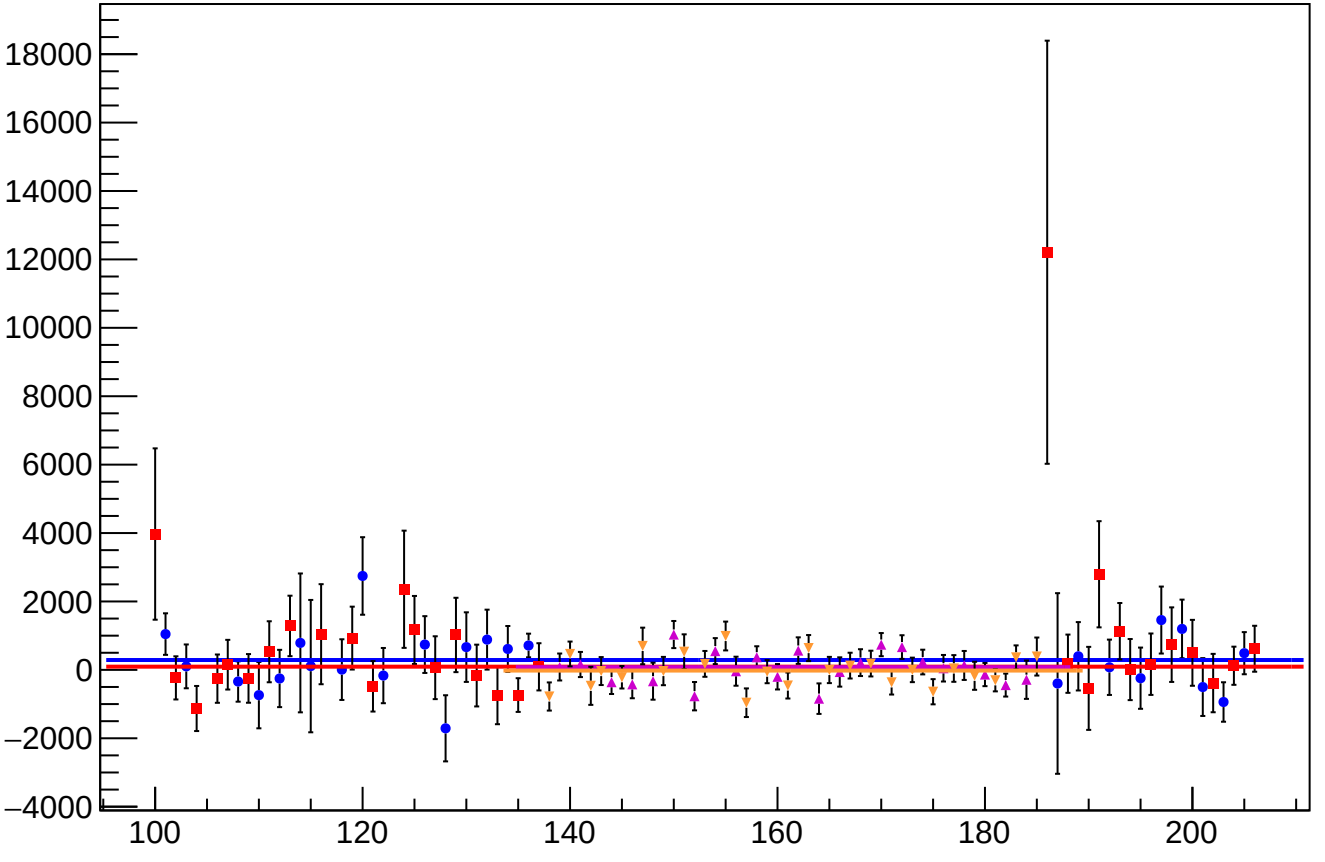
Left In: 343.245+/-0.057 χ^2/NDF:372993.5/22

+ sign 384.186+/-0.049 χ^2/NDF: 5447438.9/49

All: 389.331+/-0.035 χ^2/NDF: 12462747.3/10

- sign 394.668+/-0.050 χ^2/NDF: 6992960.6/53

asym_sam_13_57_dd_mean vs Slug



Right In: 288.129+/-151.894 χ^2/NDF: 25.0/24

Left Out: -20.272+/-78.196 χ^2/NDF:31.4/24

Right Out: 93.725+/-150.205 χ^2/NDF: 28.3/30

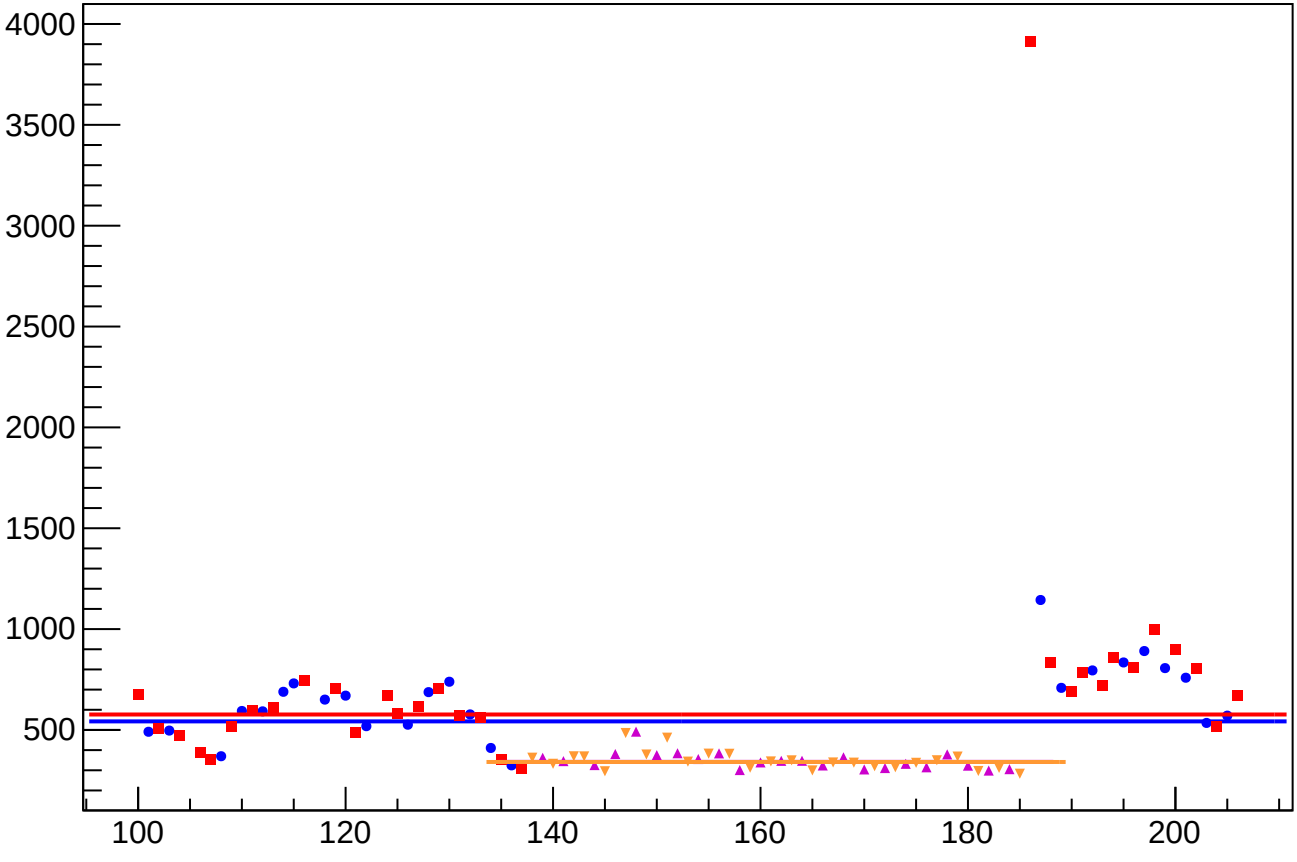
Left In: 78.719+/-80.410 χ^2/NDF:32.9/22

+ sign 44.339+/-69.524 χ^2/NDF: 59.7/49

All: 62.833+/-49.637 χ^2/NDF: 121.0/103

- sign 82.062+/-70.891 χ^2/NDF: 61.2/53

asym_sam_13_57_dd_rms vs Slug



Right In: 542.427+/-0.107 χ^2/NDF: 2437473.6/24

Left Out: 341.199+/-0.055 χ^2/NDF:510854.5/24

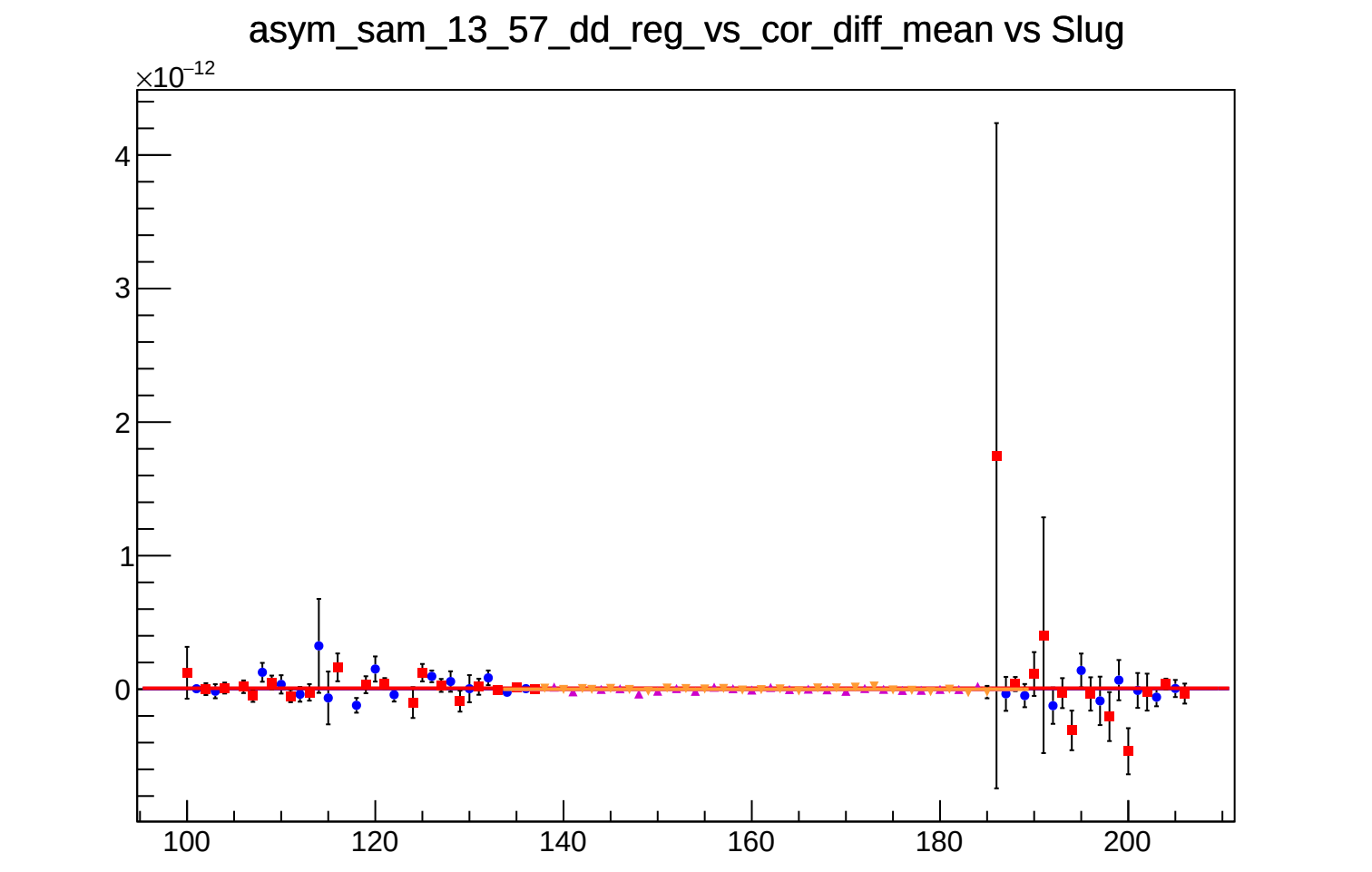
Right Out: 576.600+/-0.106 χ^2/NDF: 3205160.3/30

Left In: 341.622+/-0.057 χ^2/NDF:396885.0/22

+ sign 383.357+/-0.049 χ^2/NDF: 5723070.7/49

All: 388.557+/-0.035 χ^2/NDF: 13152243.8/10

- sign 393.963+/-0.050 χ^2/NDF: 7406352.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 25.0/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.2/24

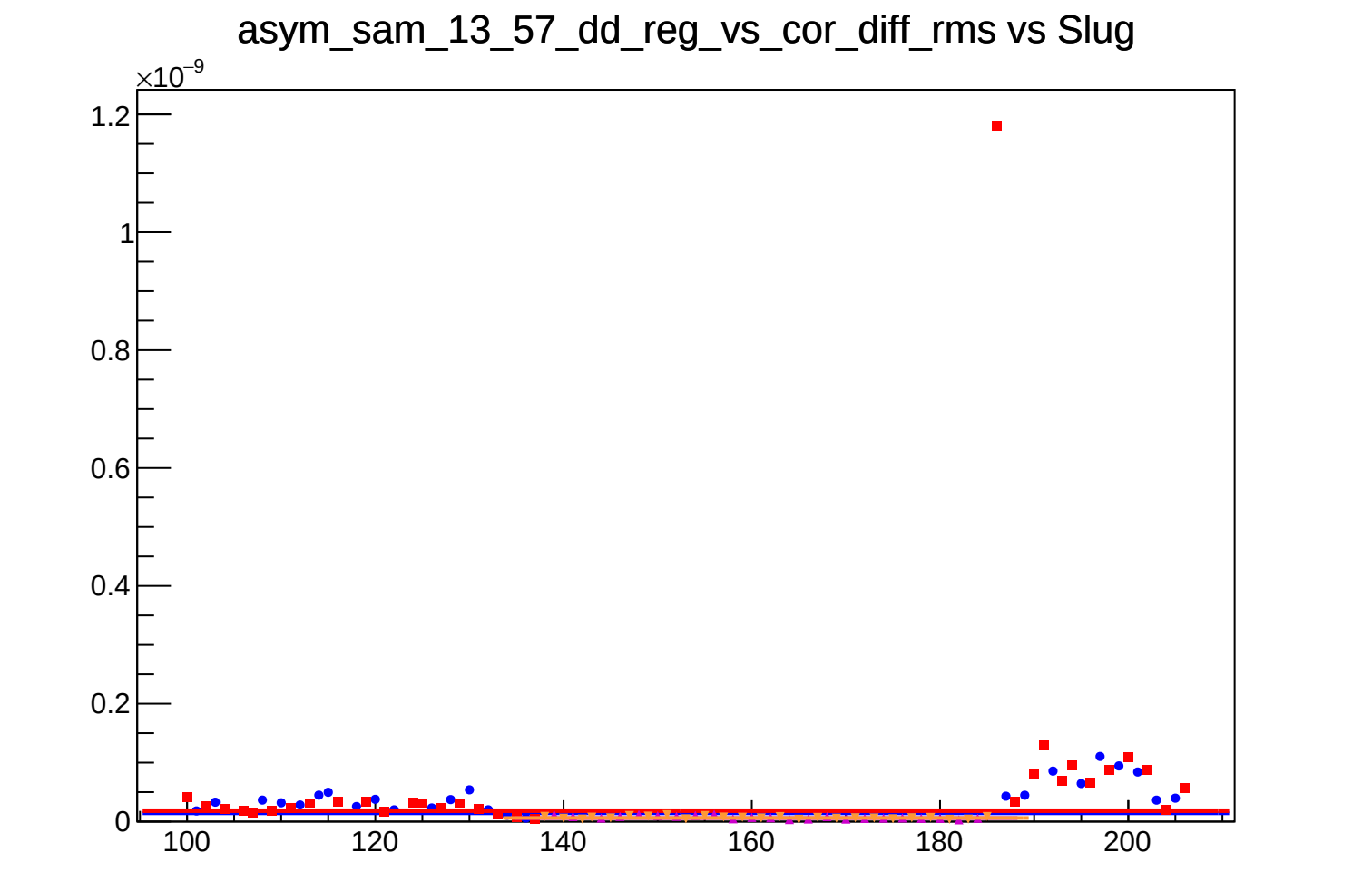
Right Out: 0.000+/-0.000 χ^2/NDF: 30.0/30

Left In: -0.000+/-0.000 χ^2/NDF:14.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 44.5/49

All: -0.000+/-0.000 χ^2/NDF: 90.1/103

- sign -0.000+/-0.000 χ^2/NDF: 45.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 6469971.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:1159883.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6173500.7/30

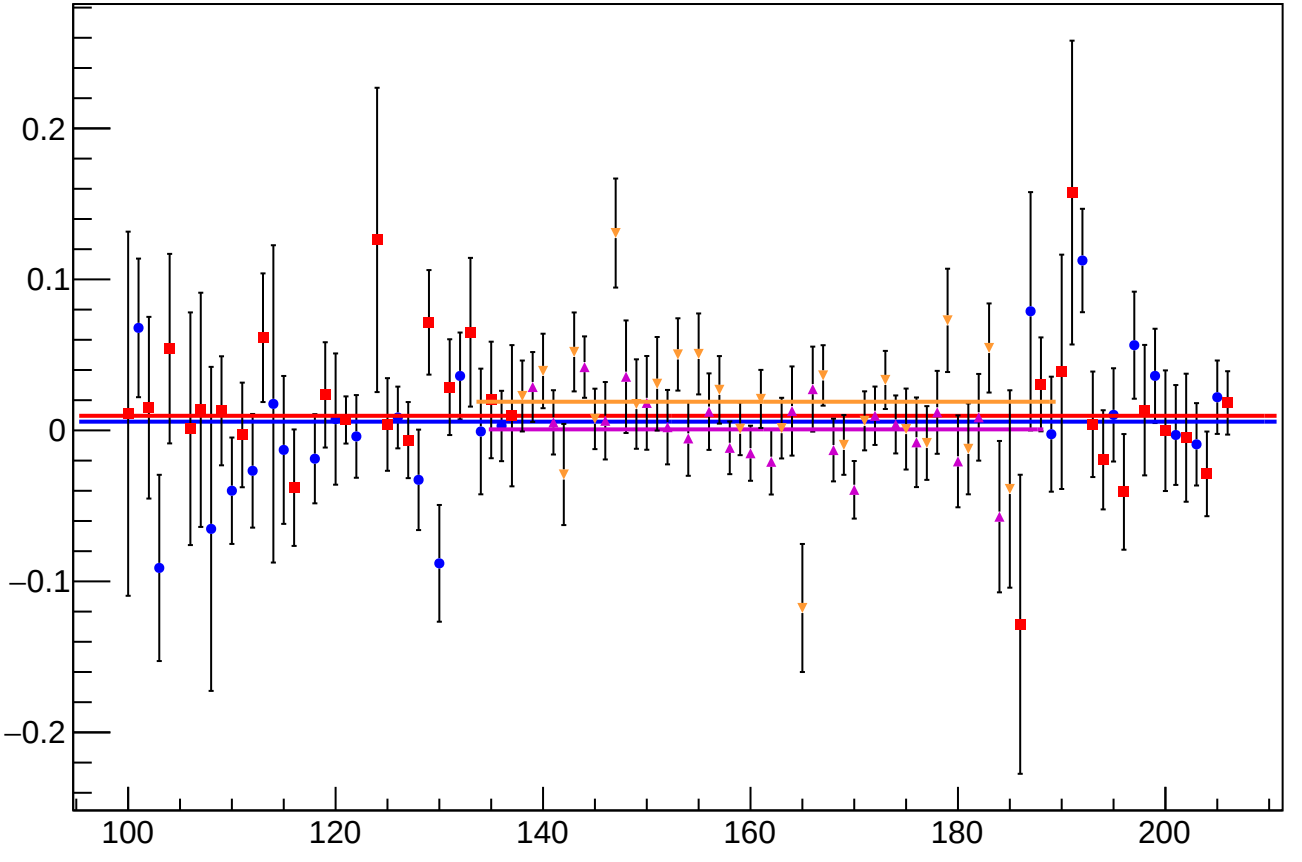
Left In: 0.000+/-0.000 χ^2/NDF:1660677.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 9490977.2/49

All: 0.000+/-0.000 χ^2/NDF: 20642208.1/103

- sign 0.000+/-0.000 χ^2/NDF: 11150919.8/53

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.007 χ^2/NDF: 31.0/24

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

Right Out: 0.010+/-0.006 χ^2/NDF: 20.0/30

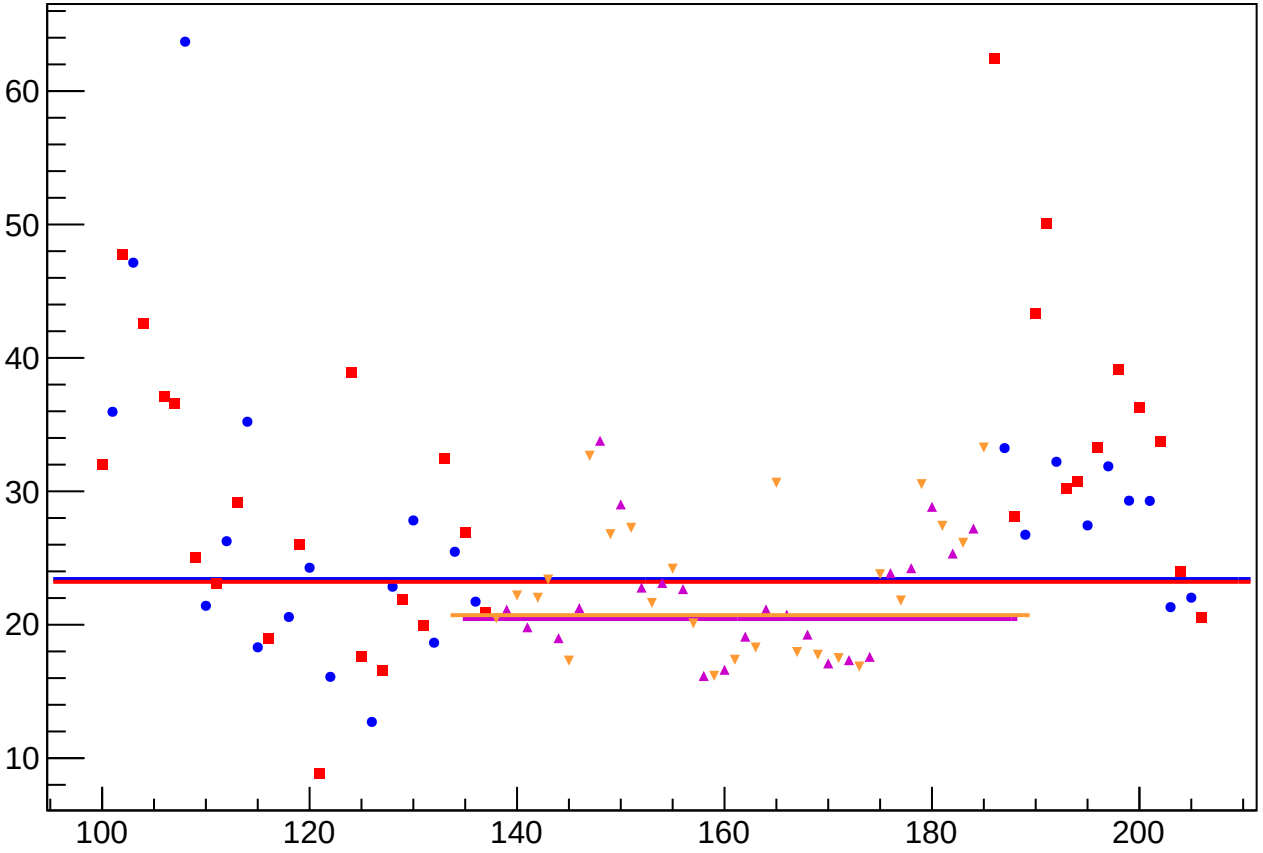
Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 74.7/49

All: 0.009+/-0.003 χ^2/NDF: 117.1/103

- sign 0.004+/-0.004 χ^2/NDF: 38.9/53

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs Slug



Right In: 23.424+/-0.005 χ^2/NDF: 2077645.6/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

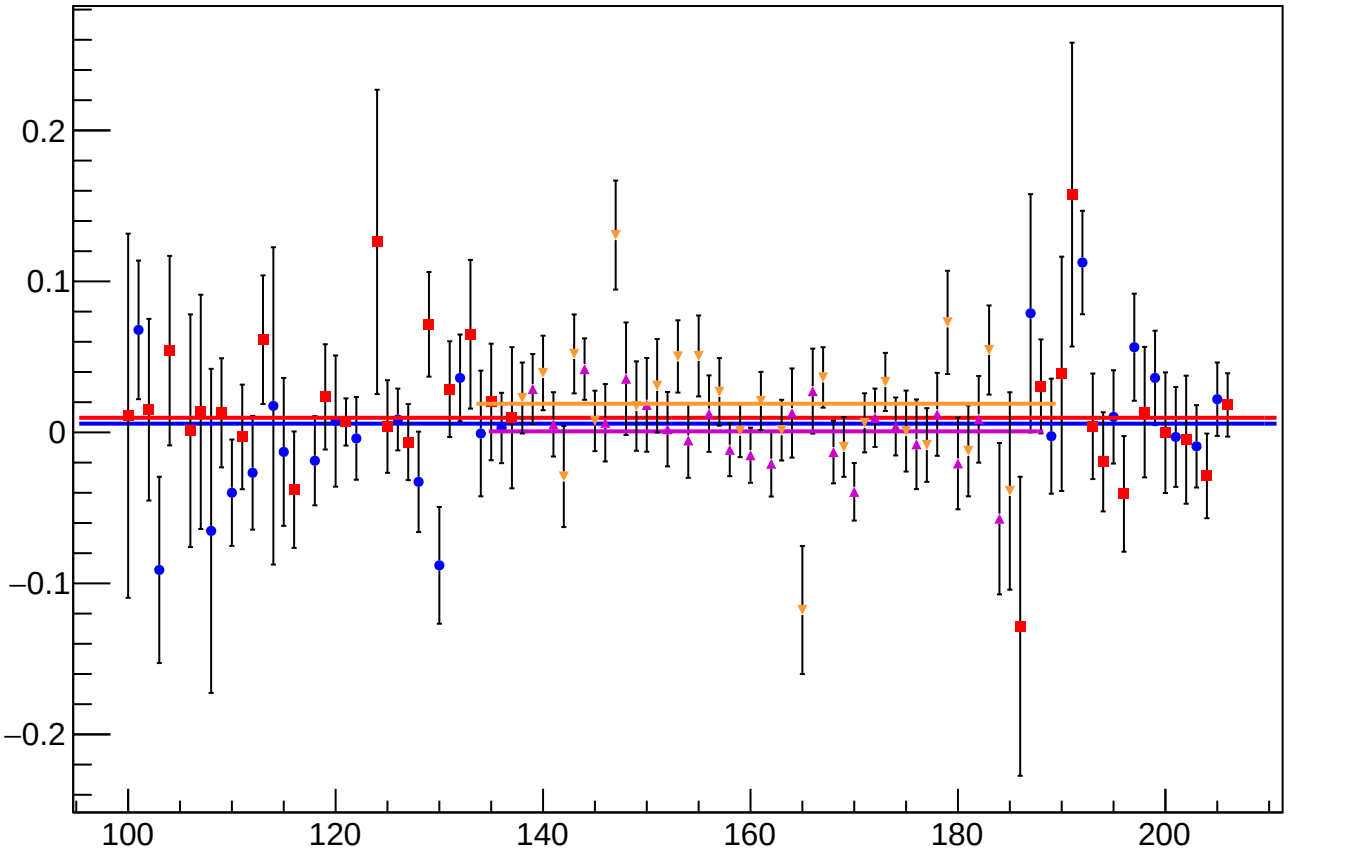
Right Out: 23.218+/-0.005 χ^2/NDF: 4410897.1/30

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.645+/-0.003 χ^2/NDF: 3795533.1/49

All: 21.549+/-0.002 χ^2/NDF: 9617560.8/103

- sign 21.455+/-0.003 χ^2/NDF: 5819687.9/53



Right In: 0.006+/-0.007 χ^2/NDF: 31.0/24

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

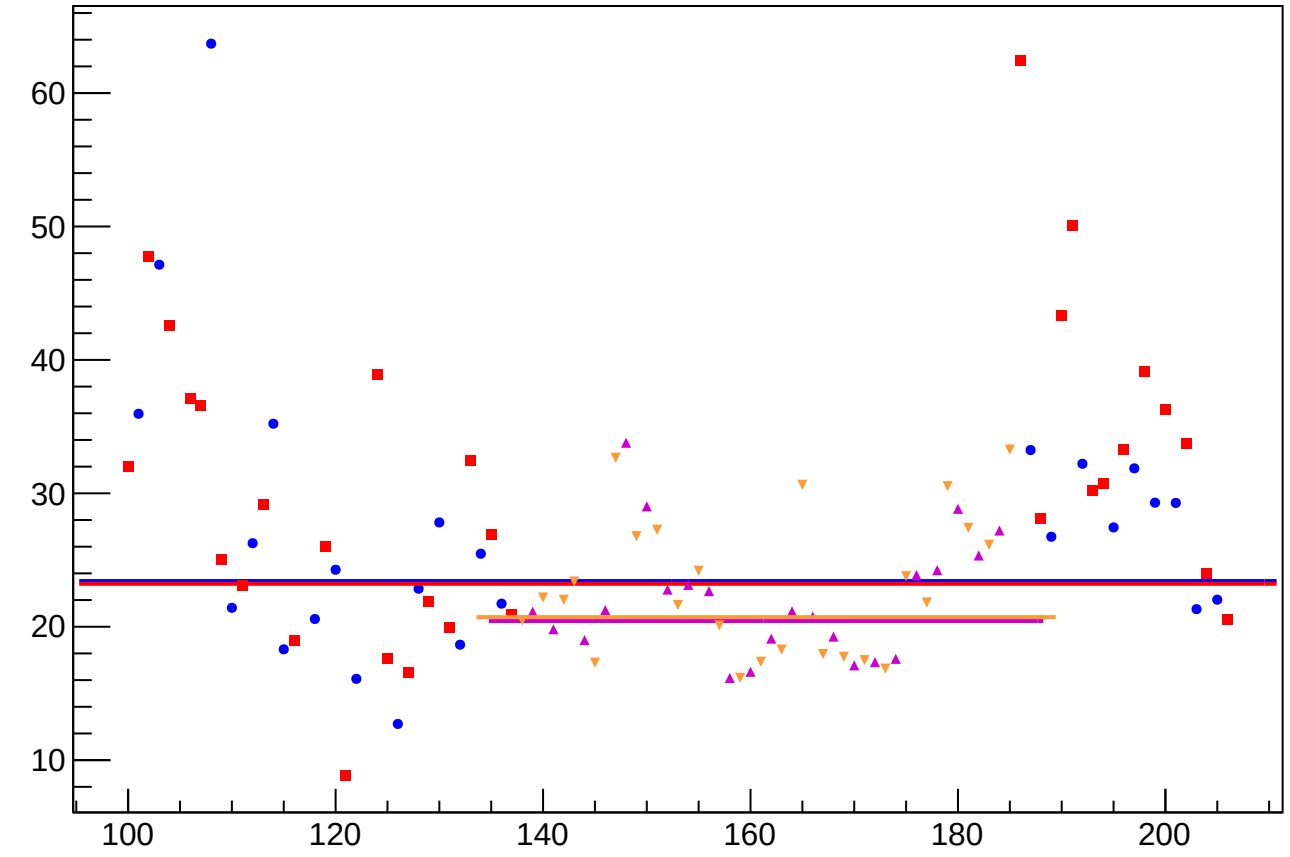
Right Out: 0.010+/-0.006 χ^2/NDF: 20.0/30

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 74.7/49

All: 0.009+/-0.003 χ^2/NDF: 117.1/103

- sign 0.004+/-0.004 χ^2/NDF: 38.9/53



Right In: 23.424+/-0.005 χ^2/NDF: 2077645.6/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506374.1/24

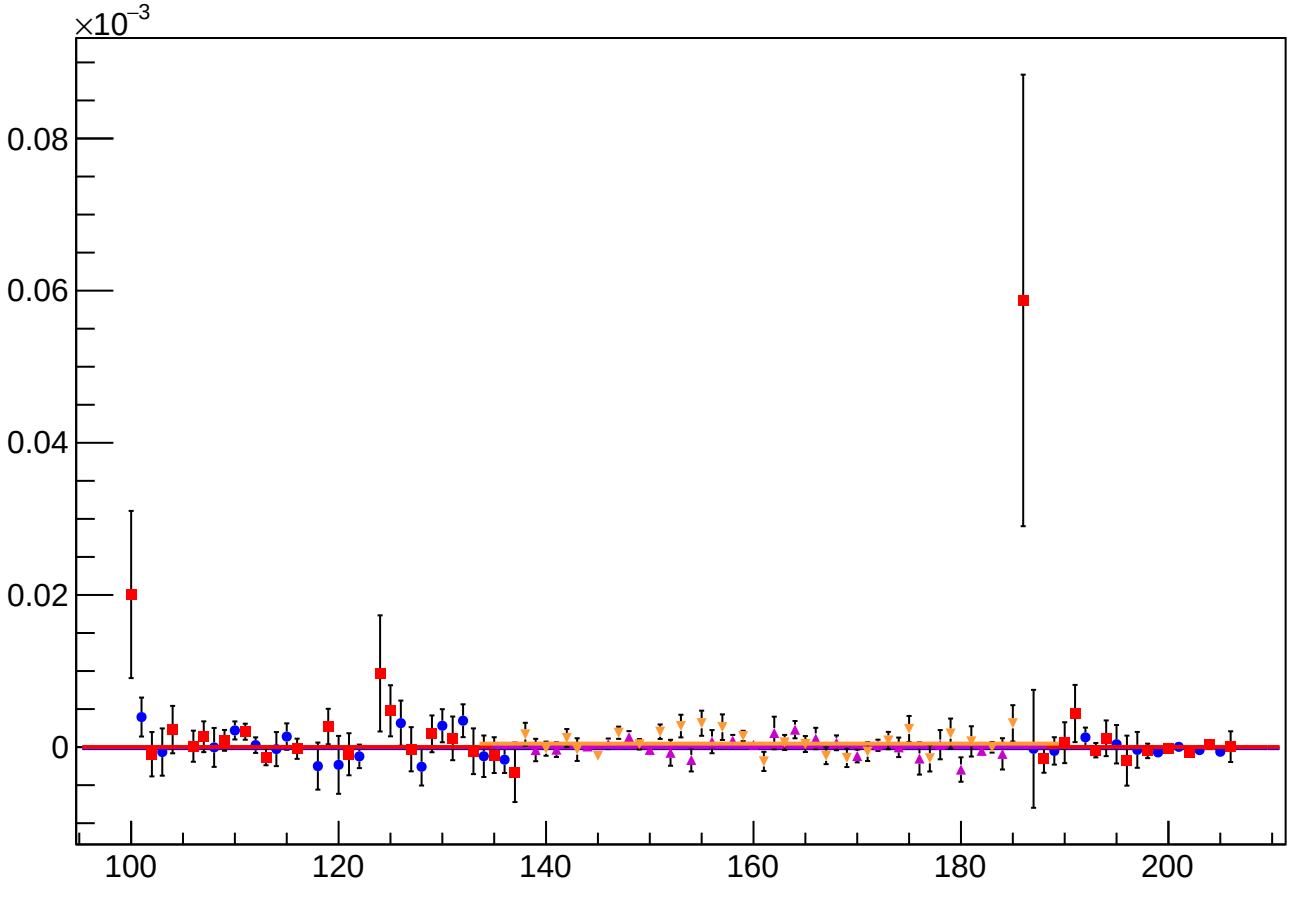
Right Out: 23.218+/-0.005 χ^2/NDF: 4410897.1/30

Left In: 20.429+/-0.003 χ^2/NDF:1173949.1/22

+ sign 21.645+/-0.003 χ^2/NDF: 3795533.1/49

All: 21.549+/-0.002 χ^2/NDF: 9617560.8/103

- sign 21.455+/-0.003 χ^2/NDF: 5819687.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 20.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:36.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 25.8/30

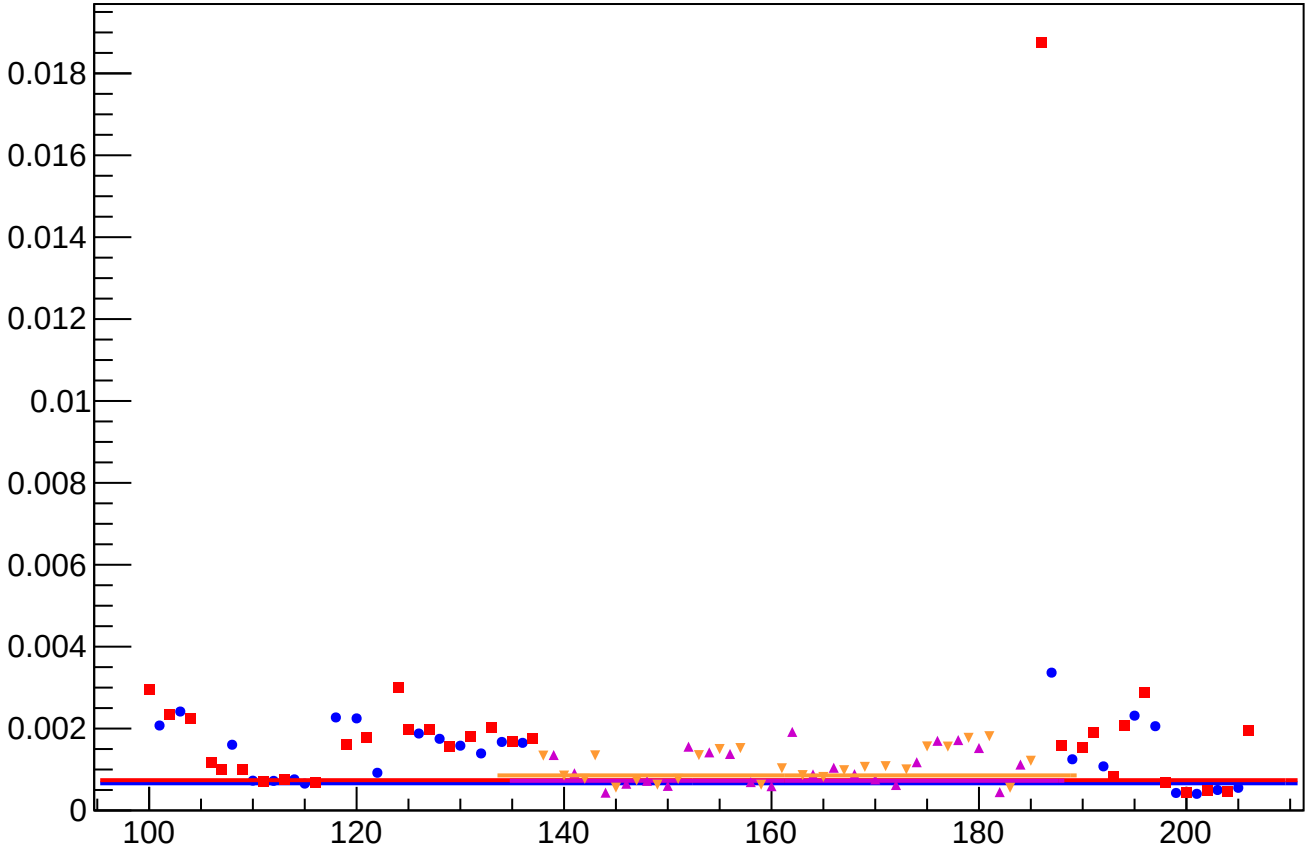
Left In: 0.000+/-0.000 χ^2/NDF:19.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 60.7/49

All: 0.000+/-0.000 χ^2/NDF: 106.5/103

- sign 0.000+/-0.000 χ^2/NDF: 45.4/53

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8320257.5/24

Left Out: 0.001+/-0.000 χ^2/NDF:4439075.2/24

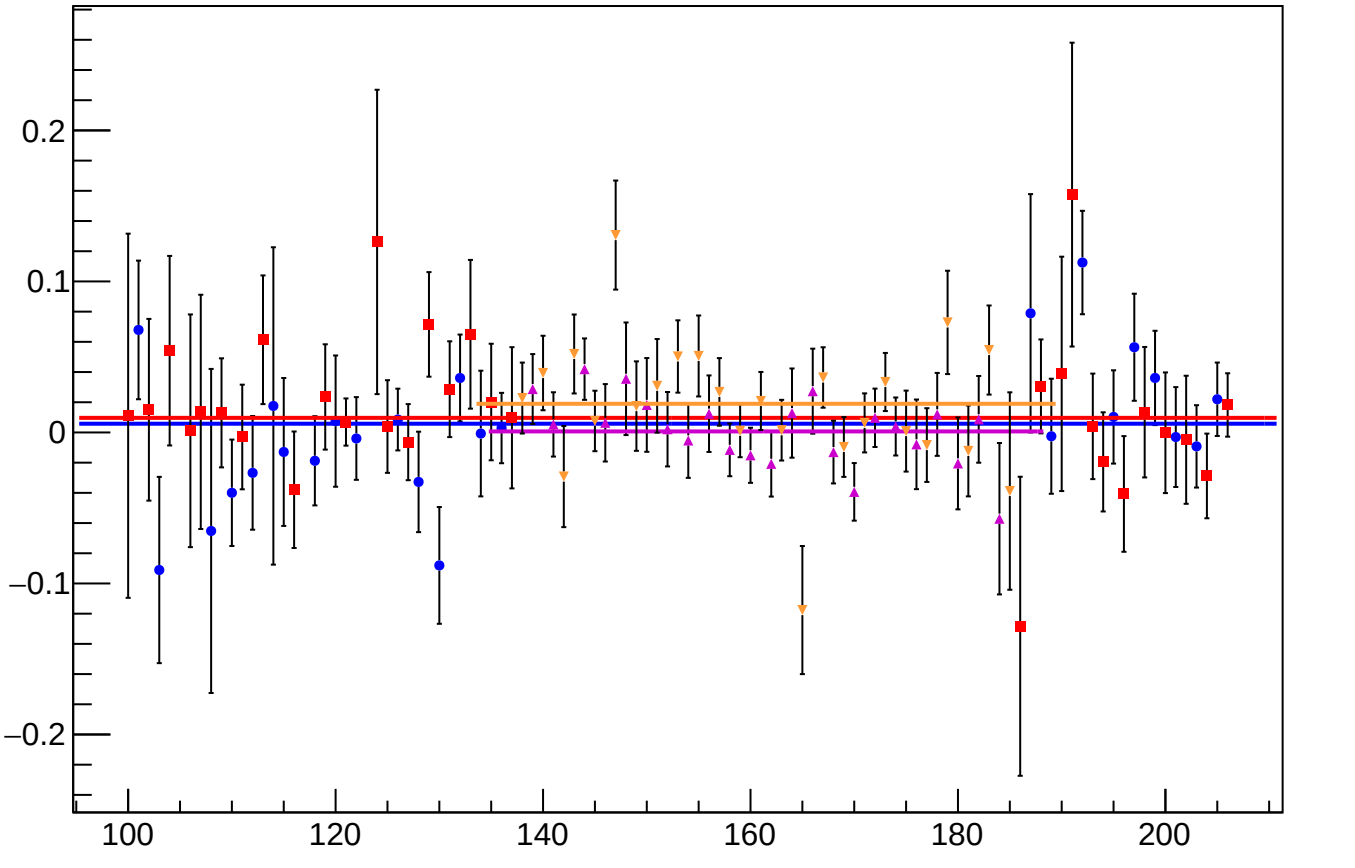
Right Out: 0.001+/-0.000 χ^2/NDF: 9542500.8/30

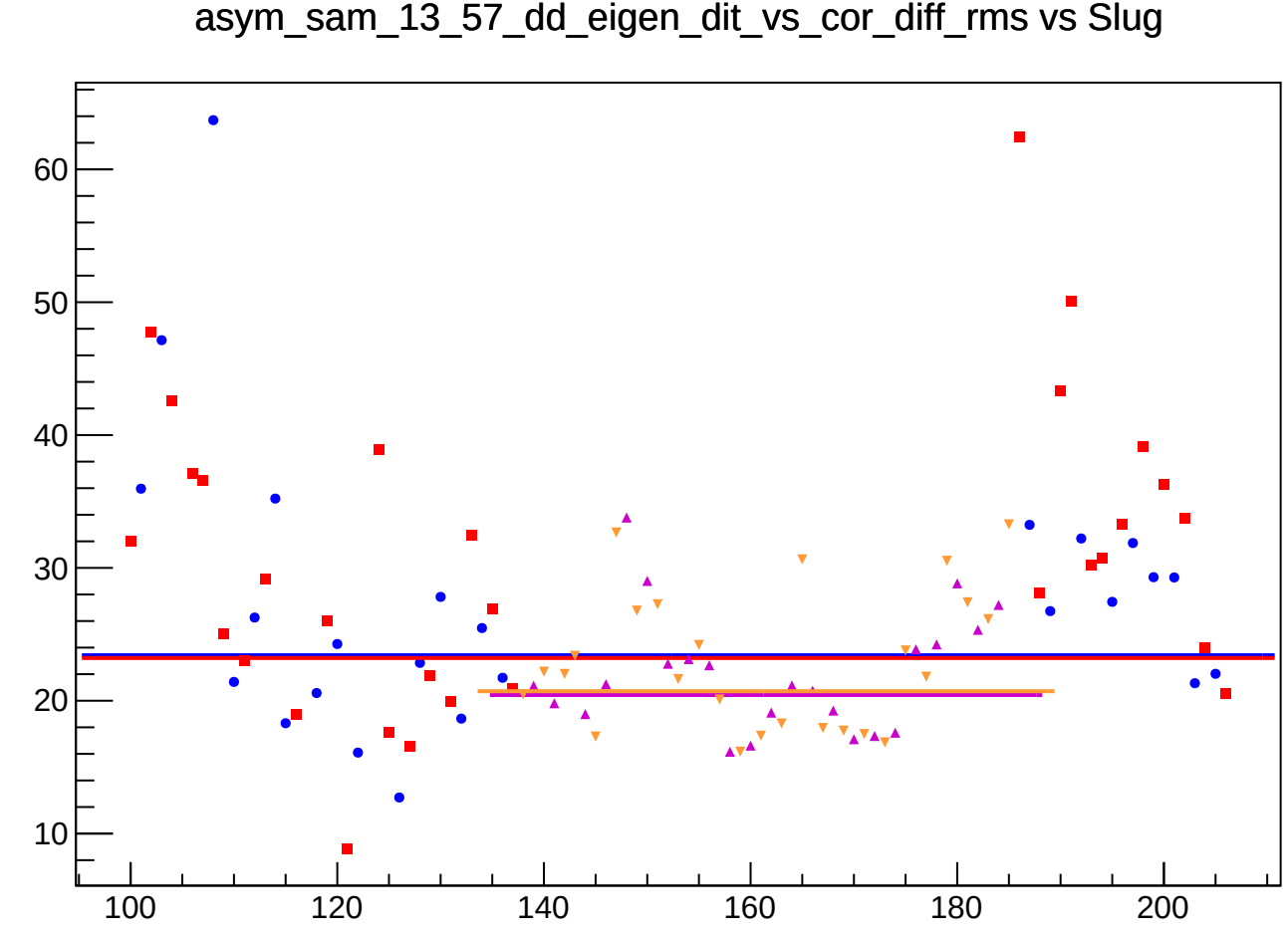
Left In: 0.001+/-0.000 χ^2/NDF:5805288.5/22

+ sign 0.001+/-0.000 χ^2/NDF: 13562512.0/49

All: 0.001+/-0.000 χ^2/NDF: 28961941.9/103

- sign 0.001+/-0.000 χ^2/NDF: 15352138.7/53


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs Slug
0.2
0.1
0
−0.1
−0.2
100
120
140
160
180
200
Right In: 0.006+/-0.007 χ²/NDF: 31.0/24
Left Out: 0.019+/-0.005 χ²/NDF:41.2/24
Right Out: 0.010+/-0.006 χ²/NDF: 20.0/30
Left In: 0.001+/-0.005 χ²/NDF:17.7/22
+ sign 0.014+/-0.004 χ²/NDF: 74.7/49
All: 0.009+/-0.003 χ²/NDF: 117.1/103
- sign 0.004+/-0.004 χ²/NDF: 38.9/53



Right In: 23.424+/-0.005 χ^2/NDF: 2077469.2/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

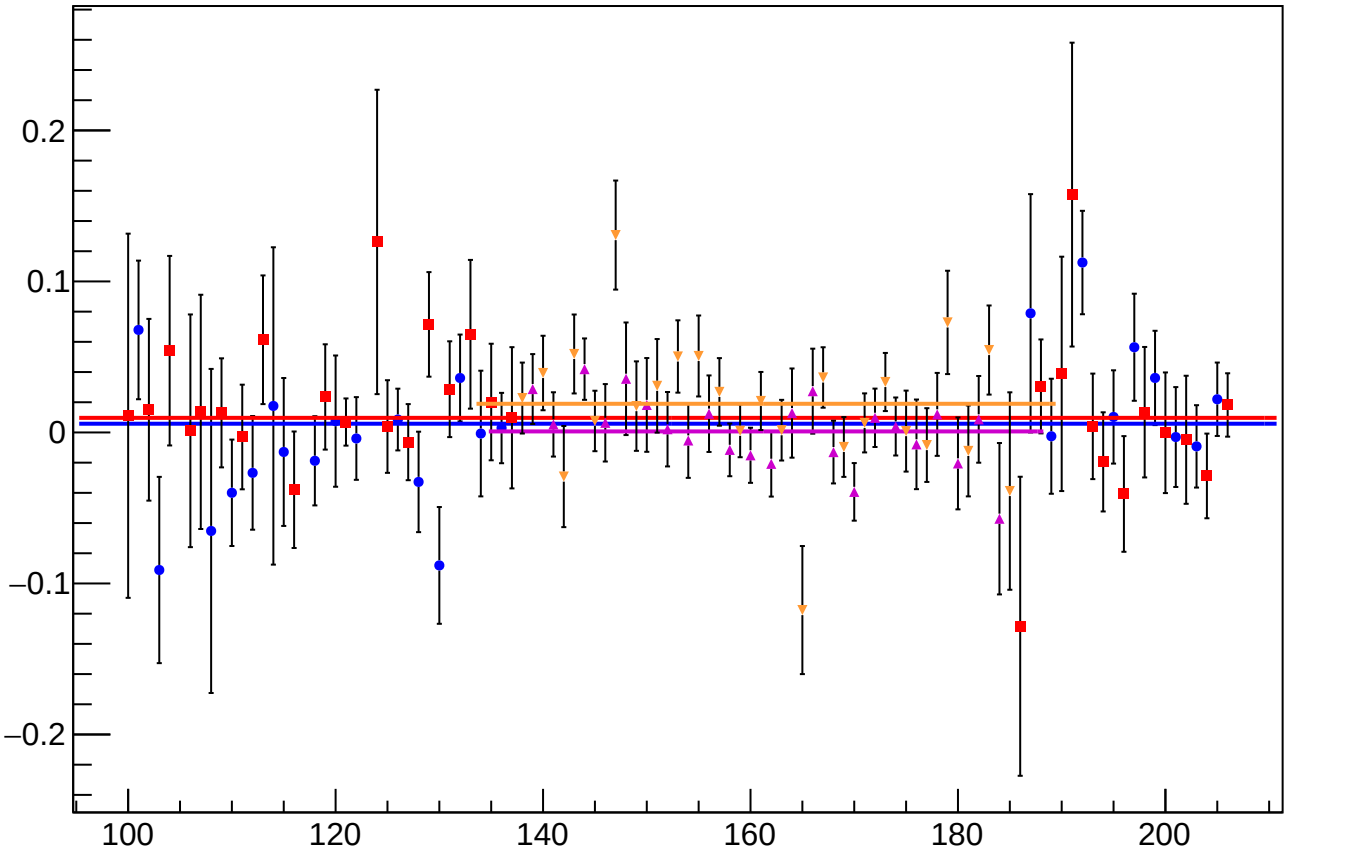
Right Out: 23.219+/-0.005 χ^2/NDF: 4410315.7/30

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.645+/-0.003 χ^2/NDF: 3795504.0/49

All: 21.549+/-0.002 χ^2/NDF: 9617075.4/103

- sign 21.455+/-0.003 χ^2/NDF: 5819235.8/53



Right In: 0.006+/-0.007 χ^2/NDF: 31.0/24

Left Out: 0.019+/-0.005 χ^2/NDF:41.2/24

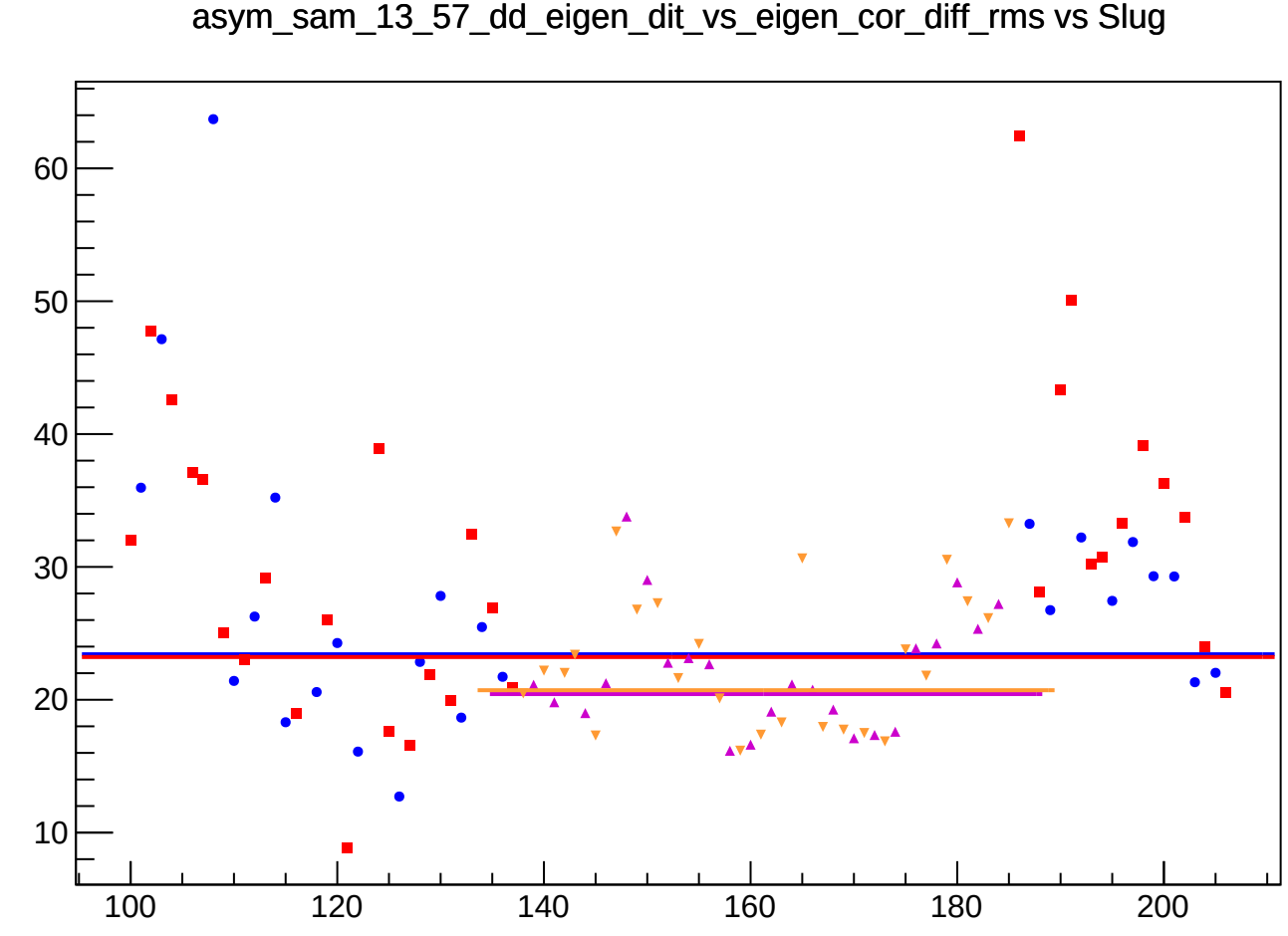
Right Out: 0.010+/-0.006 χ^2/NDF: 20.0/30

Left In: 0.001+/-0.005 χ^2/NDF:17.7/22

+ sign 0.014+/-0.004 χ^2/NDF: 74.7/49

All: 0.009+/-0.003 χ^2/NDF: 117.1/103

- sign 0.004+/-0.004 χ^2/NDF: 38.9/53



Right In: 23.424+/-0.005 χ^2/NDF: 2077469.2/24

Left Out: 20.718+/-0.003 χ^2/NDF:1506475.9/24

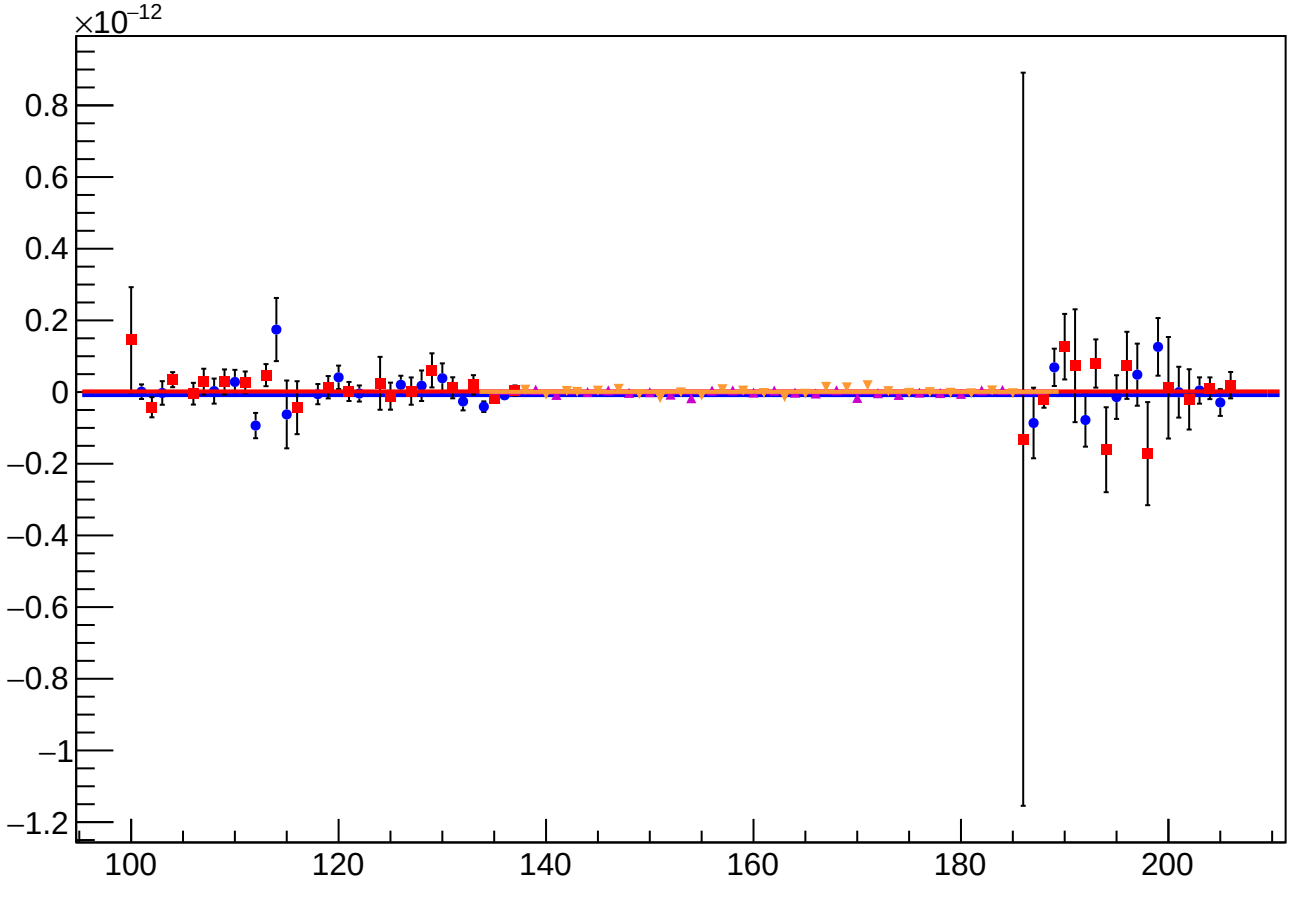
Right Out: 23.219+/-0.005 χ^2/NDF: 4410315.7/30

Left In: 20.429+/-0.003 χ^2/NDF:1173995.4/22

+ sign 21.645+/-0.003 χ^2/NDF: 3795504.0/49

All: 21.549+/-0.002 χ^2/NDF: 9617075.4/103

- sign 21.455+/-0.003 χ^2/NDF: 5819235.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 30.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:29.0/24

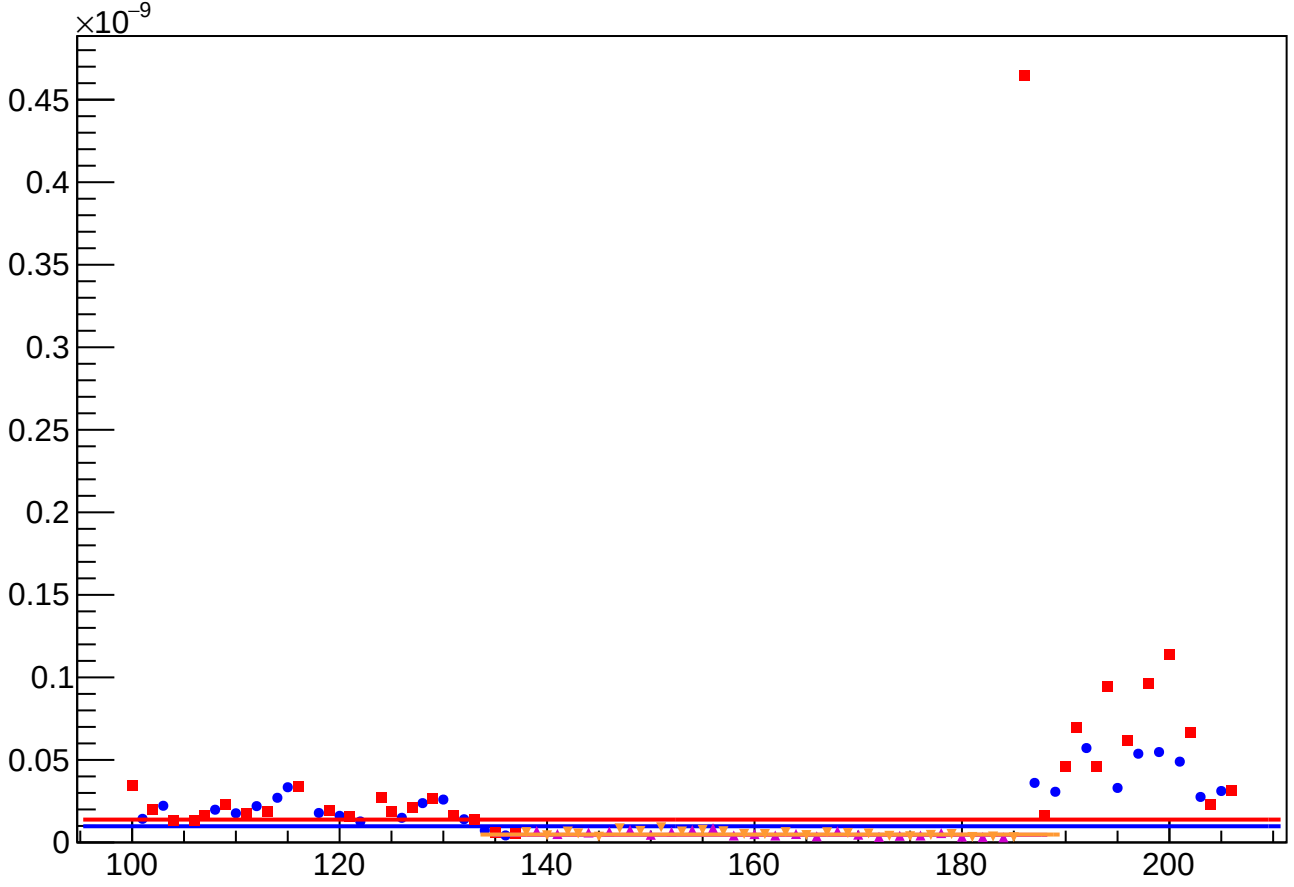
Right Out: 0.000+/-0.000 χ^2/NDF: 25.7/30

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 62.9/49

All: -0.000+/-0.000 χ^2/NDF: 110.1/103

- sign -0.000+/-0.000 χ^2/NDF: 46.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 8391237.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2118264.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8817164.7/30

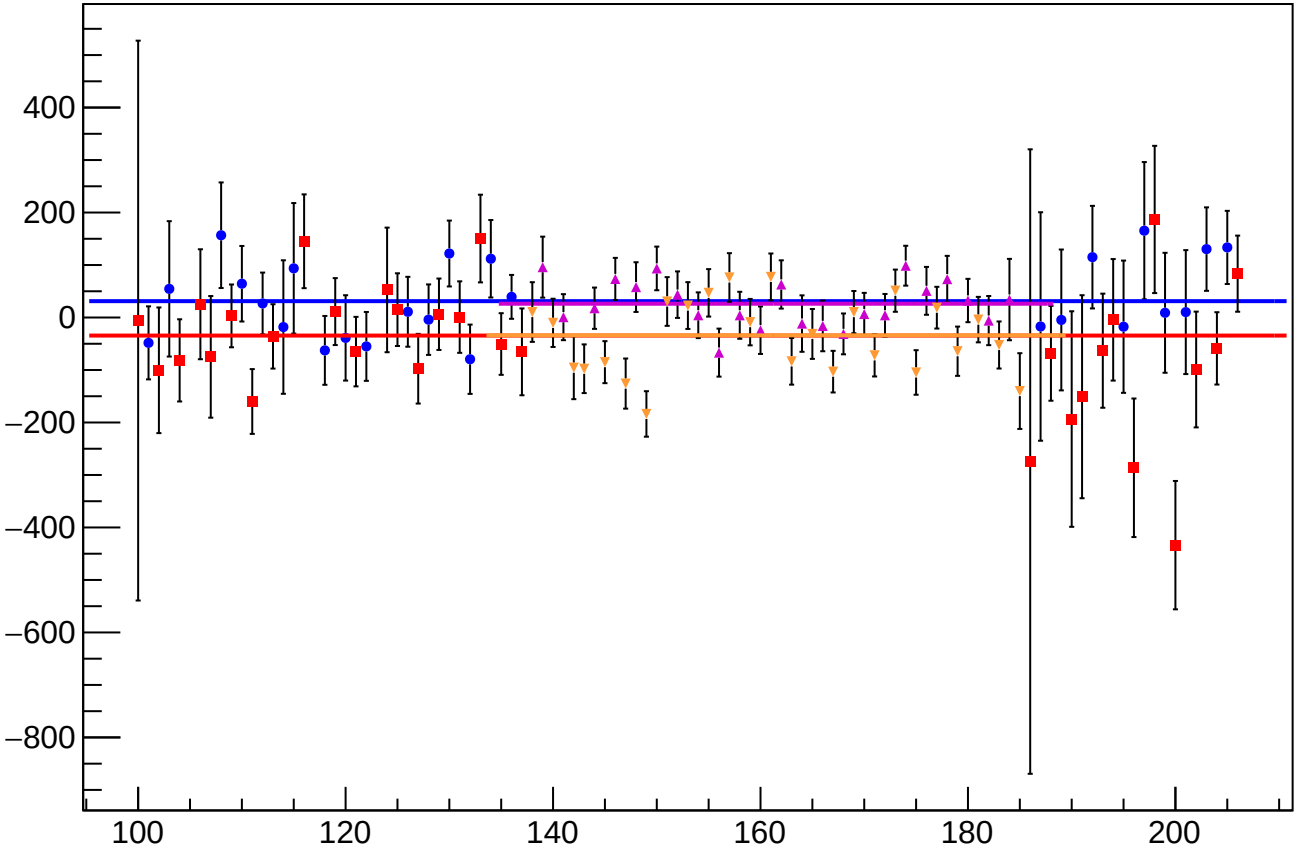
Left In: 0.000+/-0.000 χ^2/NDF:1908439.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12927011.9/49

All: 0.000+/-0.000 χ^2/NDF: 29357083.7/103

- sign 0.000+/-0.000 χ^2/NDF: 16428240.9/53

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 31.166+/-15.633 χ^2/NDF: 20.4/24

Left Out: -33.956+/-8.993 χ^2/NDF:58.7/24

Right Out: -34.412+/-15.214 χ^2/NDF: 39.4/30

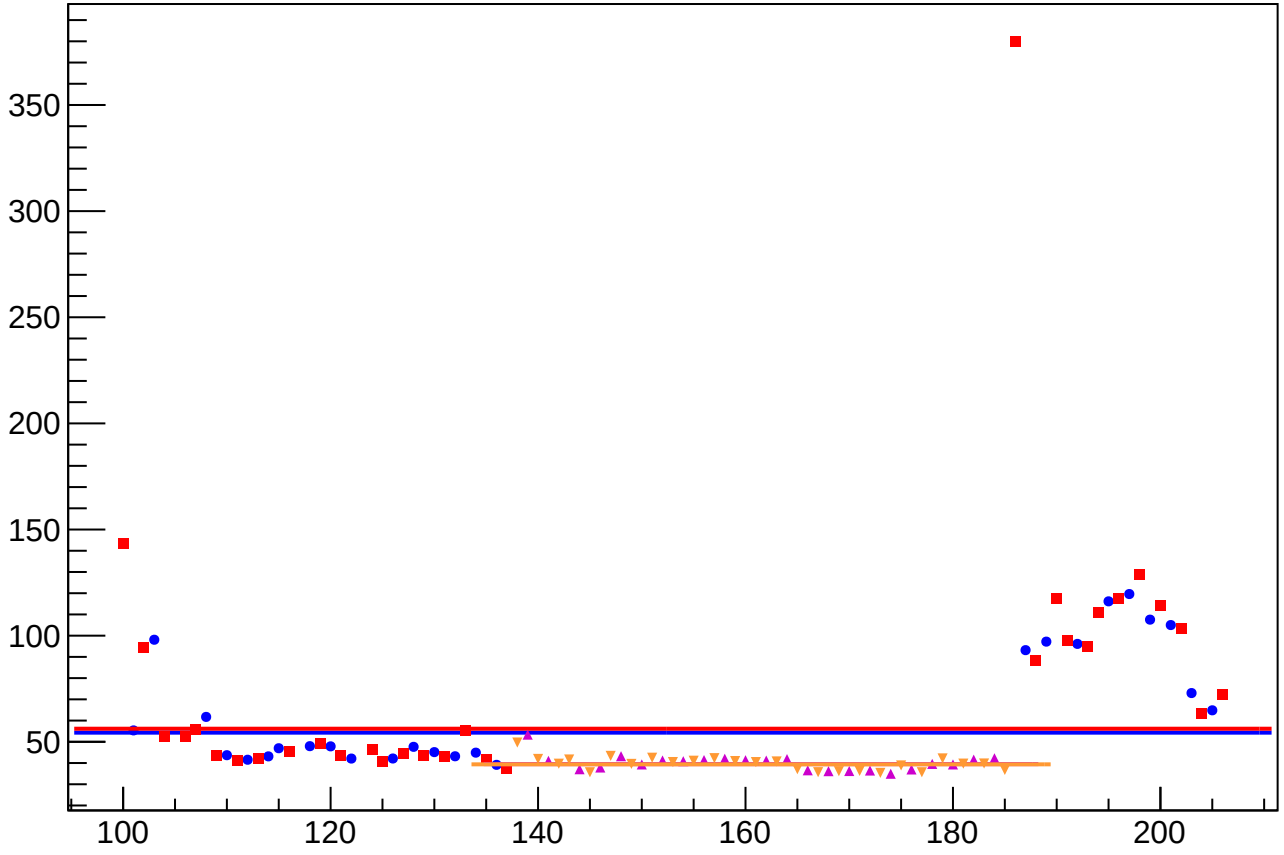
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -17.763+/-7.796 χ^2/NDF: 92.1/49

All: -4.178+/-5.555 χ^2/NDF: 171.8/103

- sign 9.835+/-7.917 χ^2/NDF: 73.5/53

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 54.311+/-0.011 χ^2/NDF: 3557862.1/24

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

Right Out: 56.165+/-0.011 χ^2/NDF: 4969388.0/30

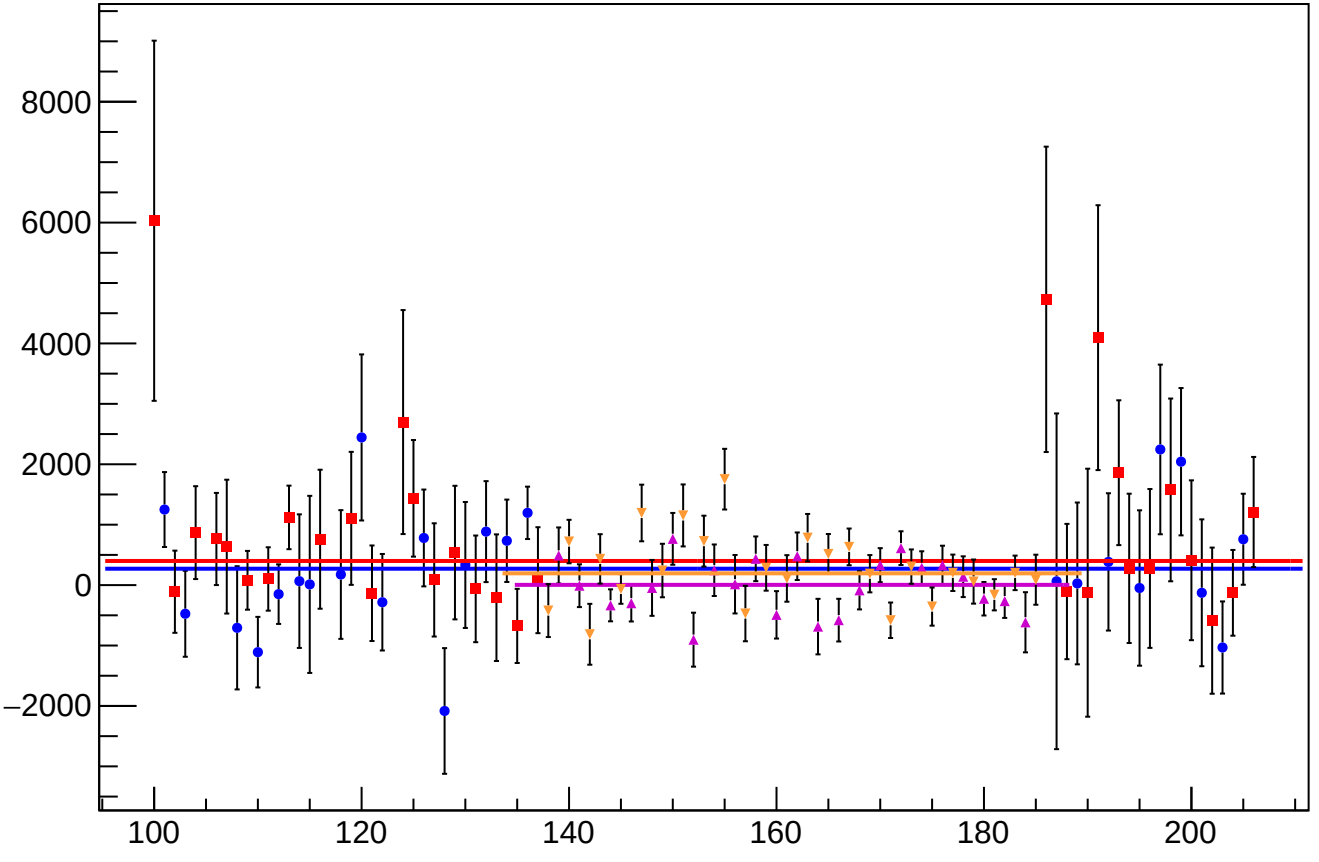
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 43.095+/-0.006 χ^2/NDF: 5156975.0/49

All: 43.543+/-0.004 χ^2/NDF: 12143344.7/103

- sign 44.006+/-0.006 χ^2/NDF: 6972907.6/53

asym_sam_15_37_dd_reg_correction_mean vs Slug



Right In: 271.289+/-165.389 χ^2/NDF: 32.6/24

Left Out: 195.029+/-70.093 χ^2/NDF:48.6/24

Right Out: 399.507+/-160.453 χ^2/NDF: 25.2/30

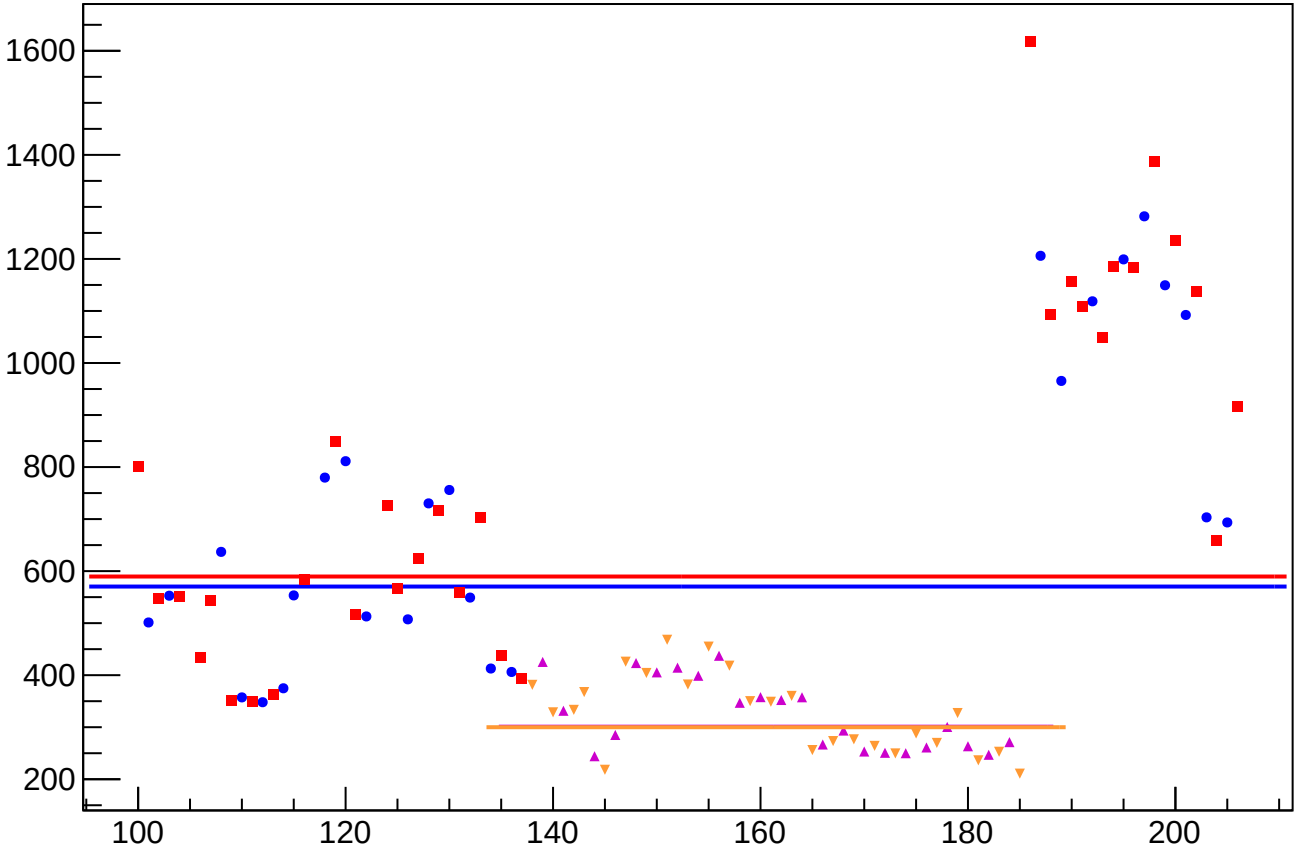
Left In: 4.015+/-71.981 χ^2/NDF:32.4/22

+ sign 206.641+/-64.536 χ^2/NDF: 81.4/49

All: 139.650+/-46.031 χ^2/NDF: 146.2/103

- sign 70.274+/-65.675 χ^2/NDF: 62.6/53

asym_sam_15_37_dd_reg_correction_rms vs Slug



Right In: 570.342+/-0.117 χ^2/NDF: 4108327.1/24

Left Out: 299.976+/-0.050 χ^2/NDF:1808461.5/24

Right Out: 589.619+/-0.113 χ^2/NDF: 5684544.9/30

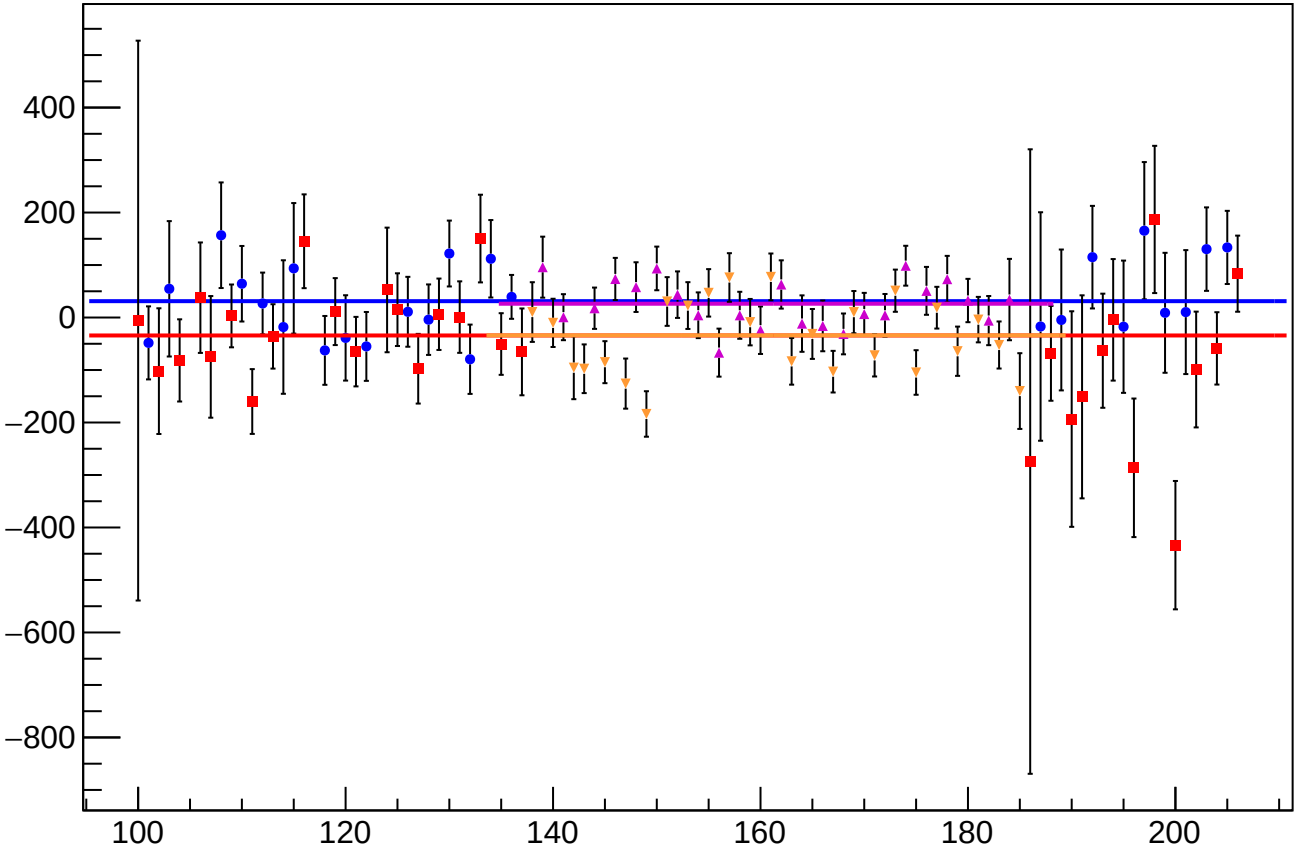
Left In: 301.000+/-0.051 χ^2/NDF:1407198.4/22

+ sign 341.143+/-0.046 χ^2/NDF: 10447685.8/49

All: 345.177+/-0.033 χ^2/NDF: 22942406.1/10

- sign 349.353+/-0.046 χ^2/NDF: 12478818.9/53

cor_asym_sam_15_37_dd_mean vs Slug



Right In: 31.171+/-15.633 χ^2/NDF: 20.4/24

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -34.186+/-15.216 χ^2/NDF: 39.6/30

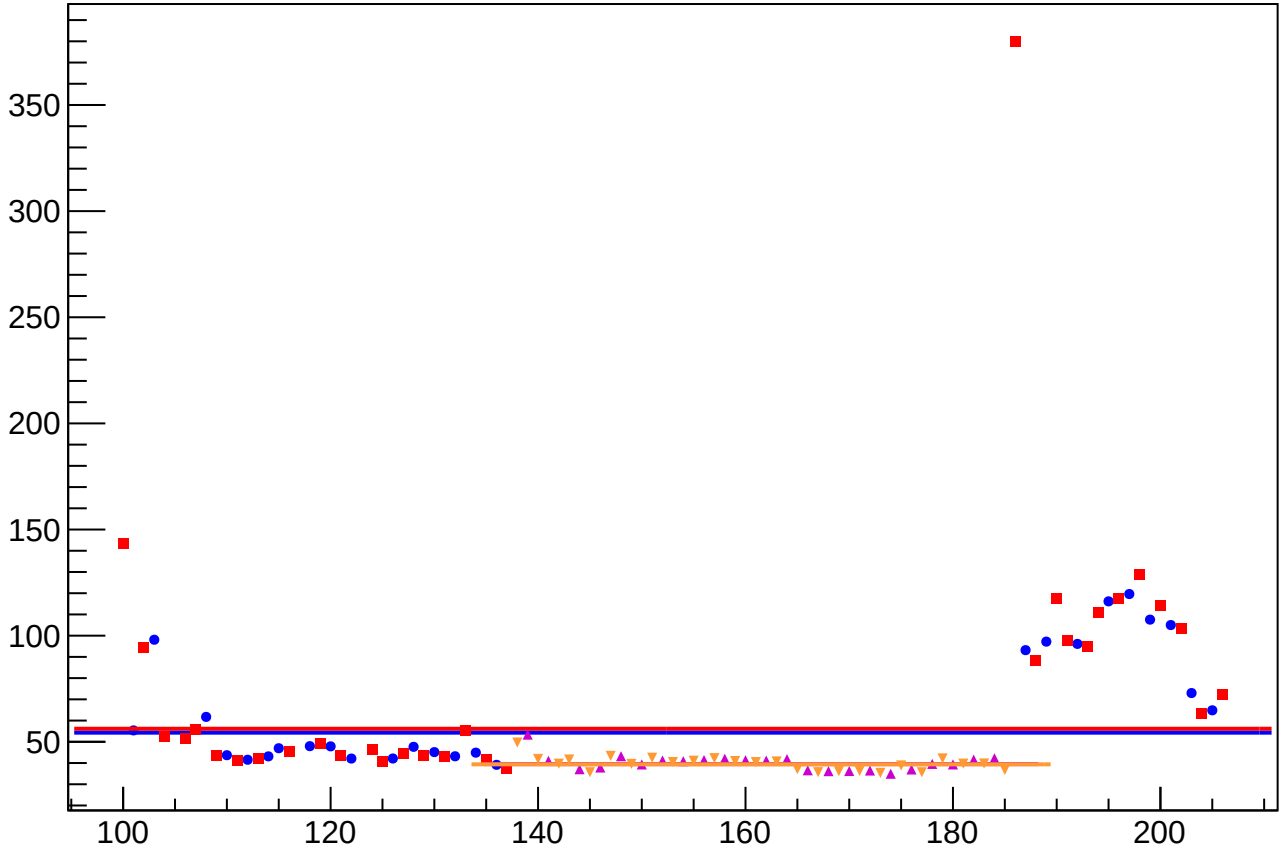
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -17.761+/-7.796 χ^2/NDF: 92.1/49

All: -4.146+/-5.555 χ^2/NDF: 171.9/103

- sign 9.898+/-7.917 χ^2/NDF: 73.6/53

cor_asym_sam_15_37_dd_rms vs Slug



Right In: 54.311+/-0.011 χ^2/NDF: 3557865.2/24

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

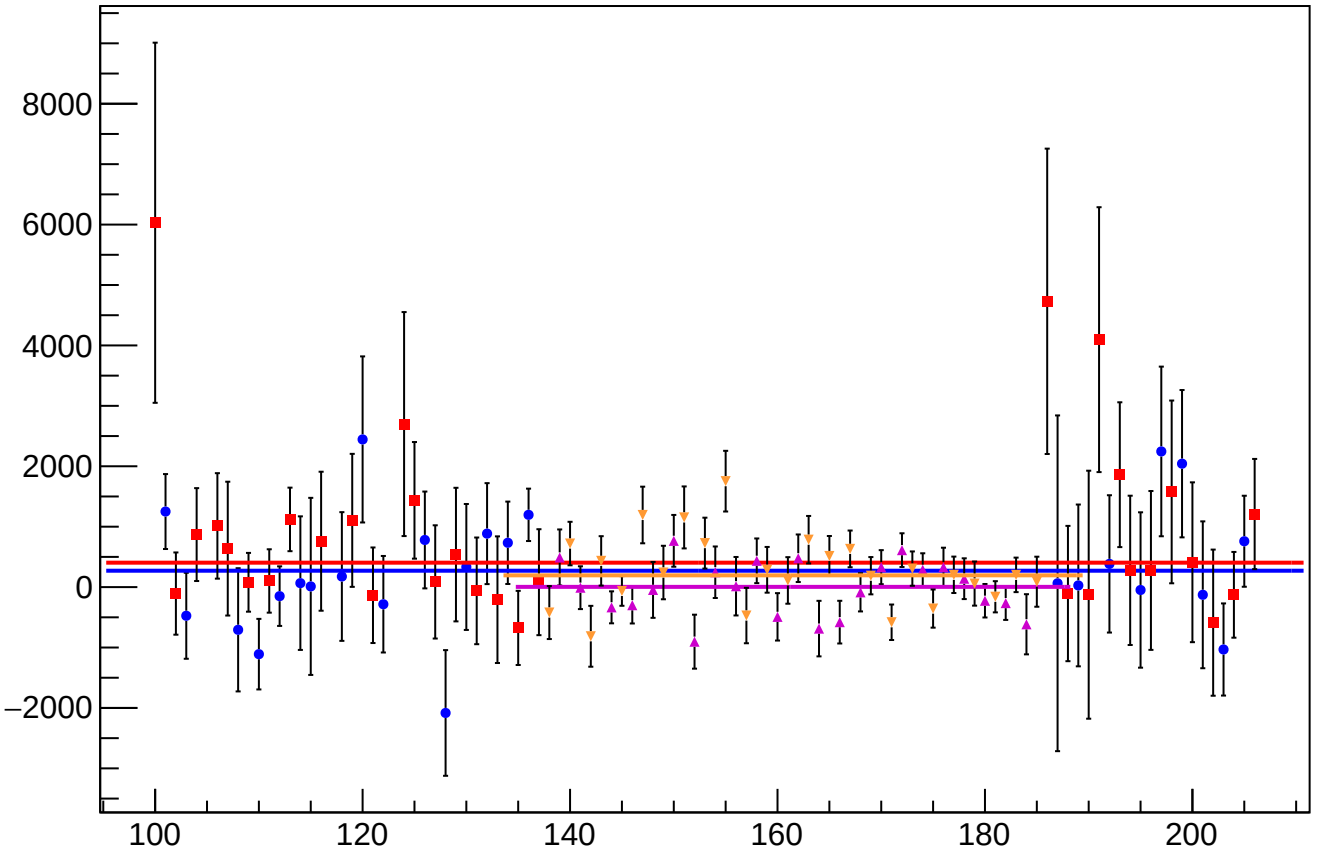
Right Out: 56.149+/-0.011 χ^2/NDF: 4970794.4/30

Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 43.095+/-0.006 χ^2/NDF: 5156977.9/49

All: 43.541+/-0.004 χ^2/NDF: 12140923.5/103

- sign 44.001+/-0.006 χ^2/NDF: 6970633.3/53



Right In: 271.291+/-165.389 χ^2/NDF: 32.6/24

Left Out: 195.028+/-70.093 χ^2/NDF:48.6/24

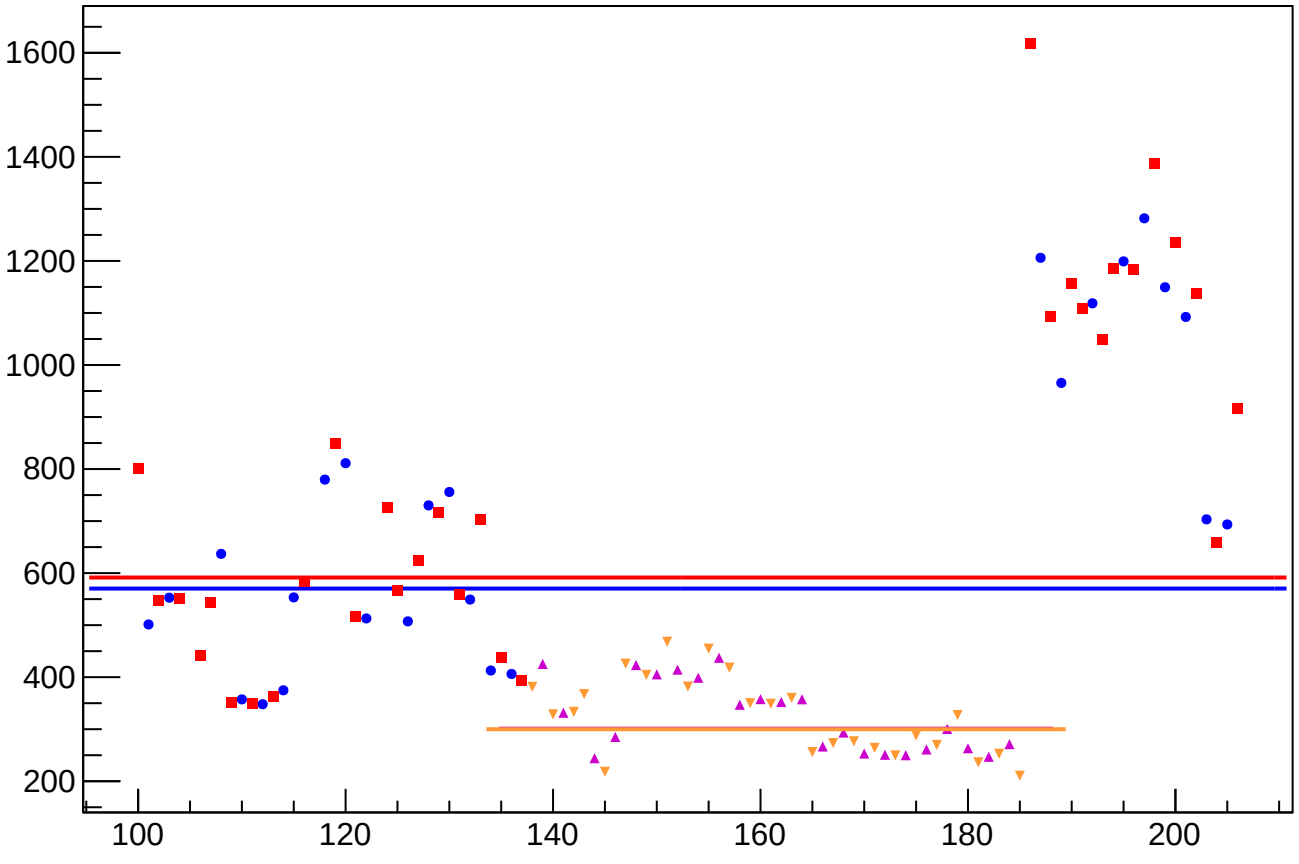
Right Out: 404.393+/-161.306 χ^2/NDF: 25.4/30

Left In: 4.014+/-71.981 χ^2/NDF:32.4/22

+ sign 206.640+/-64.536 χ^2/NDF: 81.4/49

All: 139.822+/-46.051 χ^2/NDF: 146.5/103

- sign 70.502+/-65.733 χ^2/NDF: 62.9/53



Right In: 570.345+/-0.117 χ^2/NDF: 4108327.1/24

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 591.539+/-0.114 χ^2/NDF: 5658632.6/30

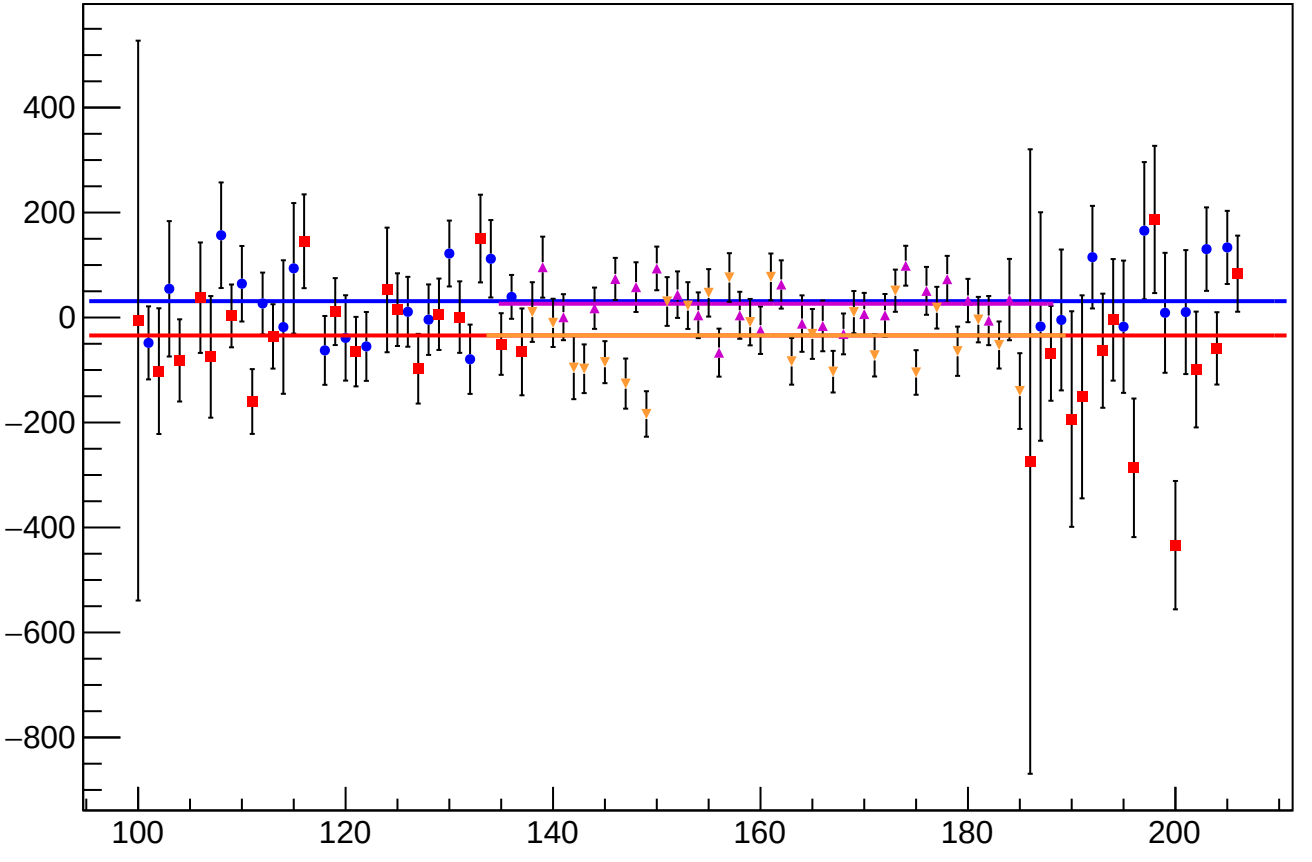
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 341.143+/-0.046 χ^2/NDF: 10447727.5/49

All: 345.121+/-0.033 χ^2/NDF: 22940008.0/10

- sign 349.247+/-0.046 χ^2/NDF: 12476803.9/53

eigen_cor_asym_sam_15_37_dd_mean vs Slug



Right In: 31.171+/-15.633 χ^2/NDF: 20.4/24

Left Out: -33.955+/-8.993 χ^2/NDF:58.7/24

Right Out: -34.186+/-15.216 χ^2/NDF: 39.6/30

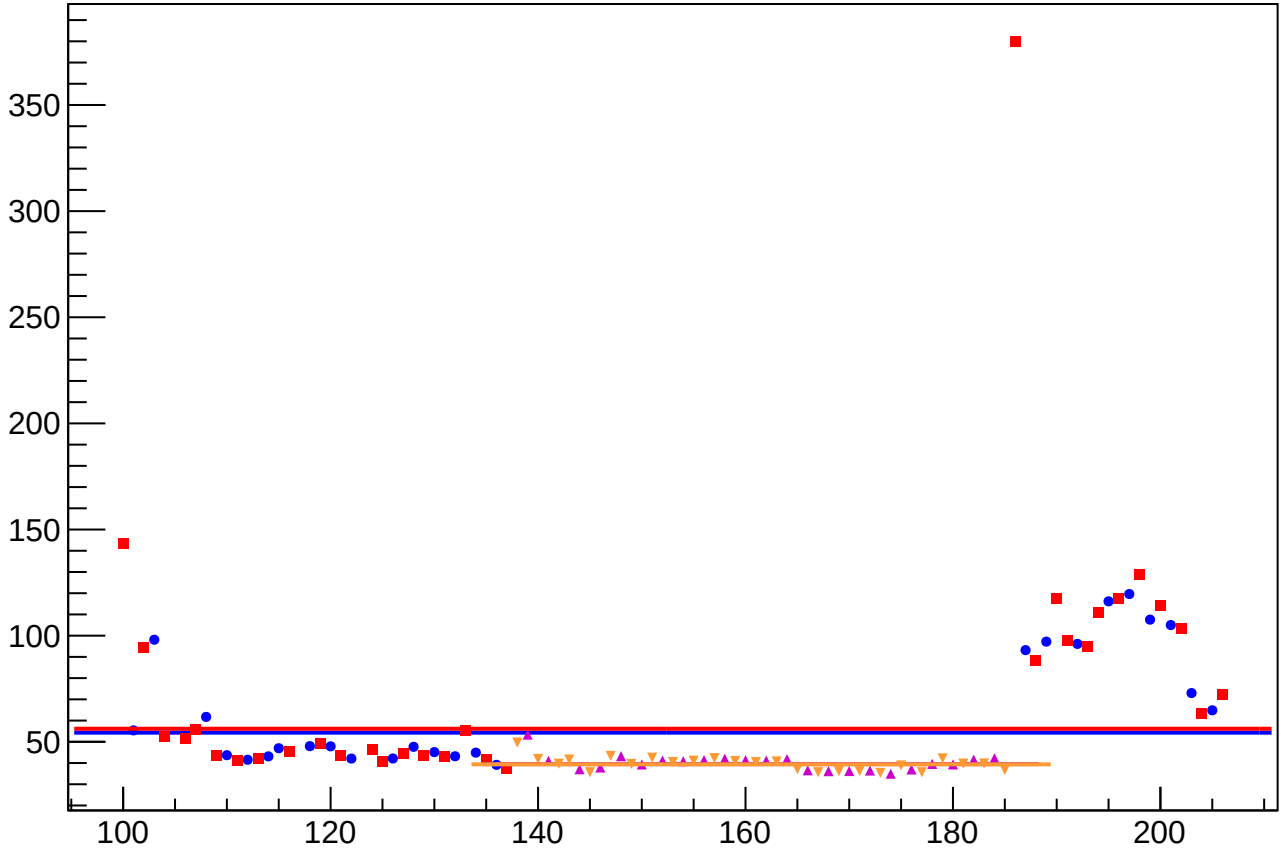
Left In: 26.267+/-9.271 χ^2/NDF:22.5/22

+ sign -17.761+/-7.796 χ^2/NDF: 92.1/49

All: -4.146+/-5.555 χ^2/NDF: 171.9/103

- sign 9.898+/-7.917 χ^2/NDF: 73.6/53

eigen_cor_asym_sam_15_37_dd_rms vs Slug



Right In: 54.311+/-0.011 χ^2/NDF: 3557865.2/24

Left Out: 39.383+/-0.006 χ^2/NDF:228799.9/24

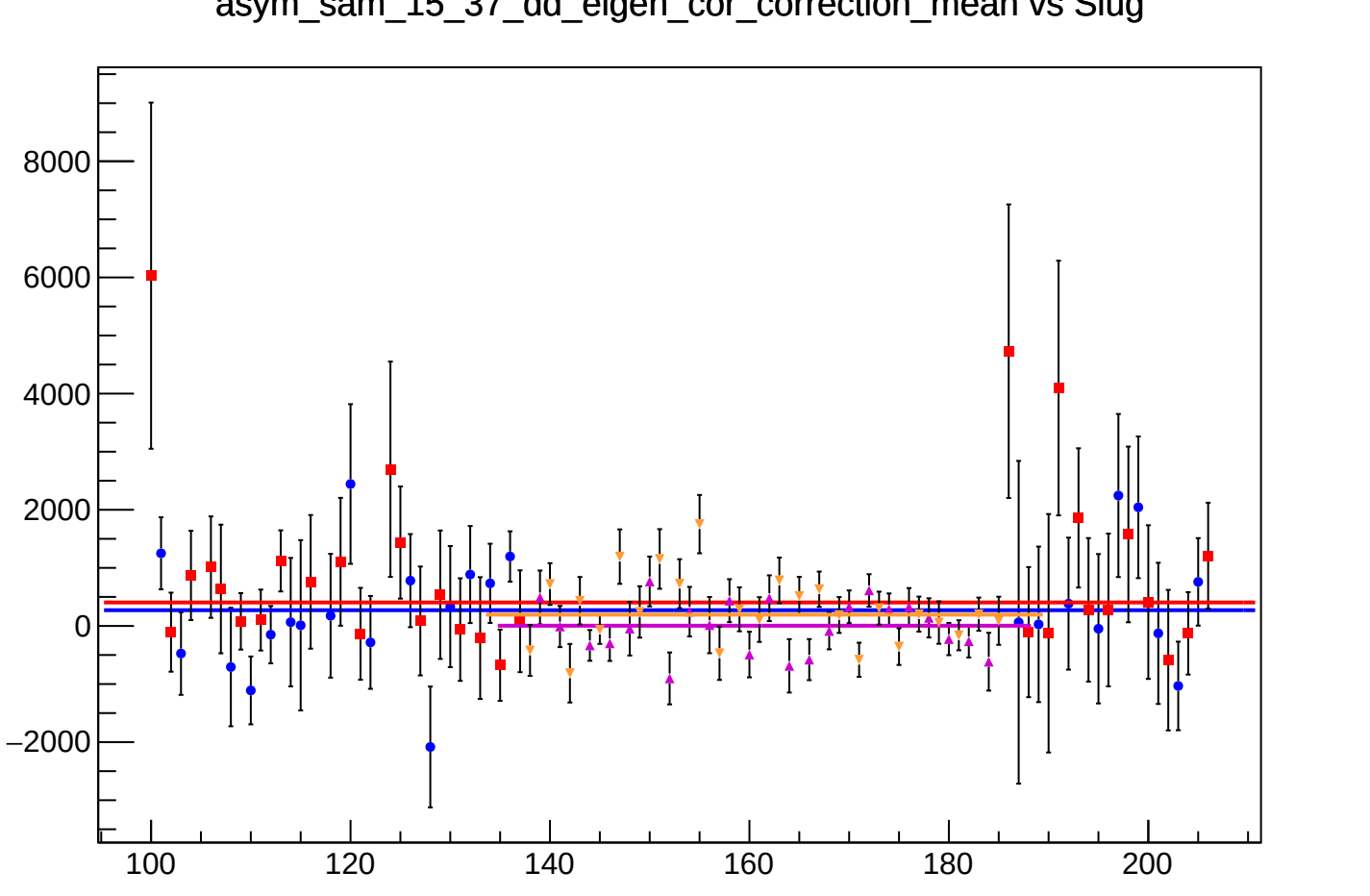
Right Out: 56.149+/-0.011 χ^2/NDF: 4970794.4/30

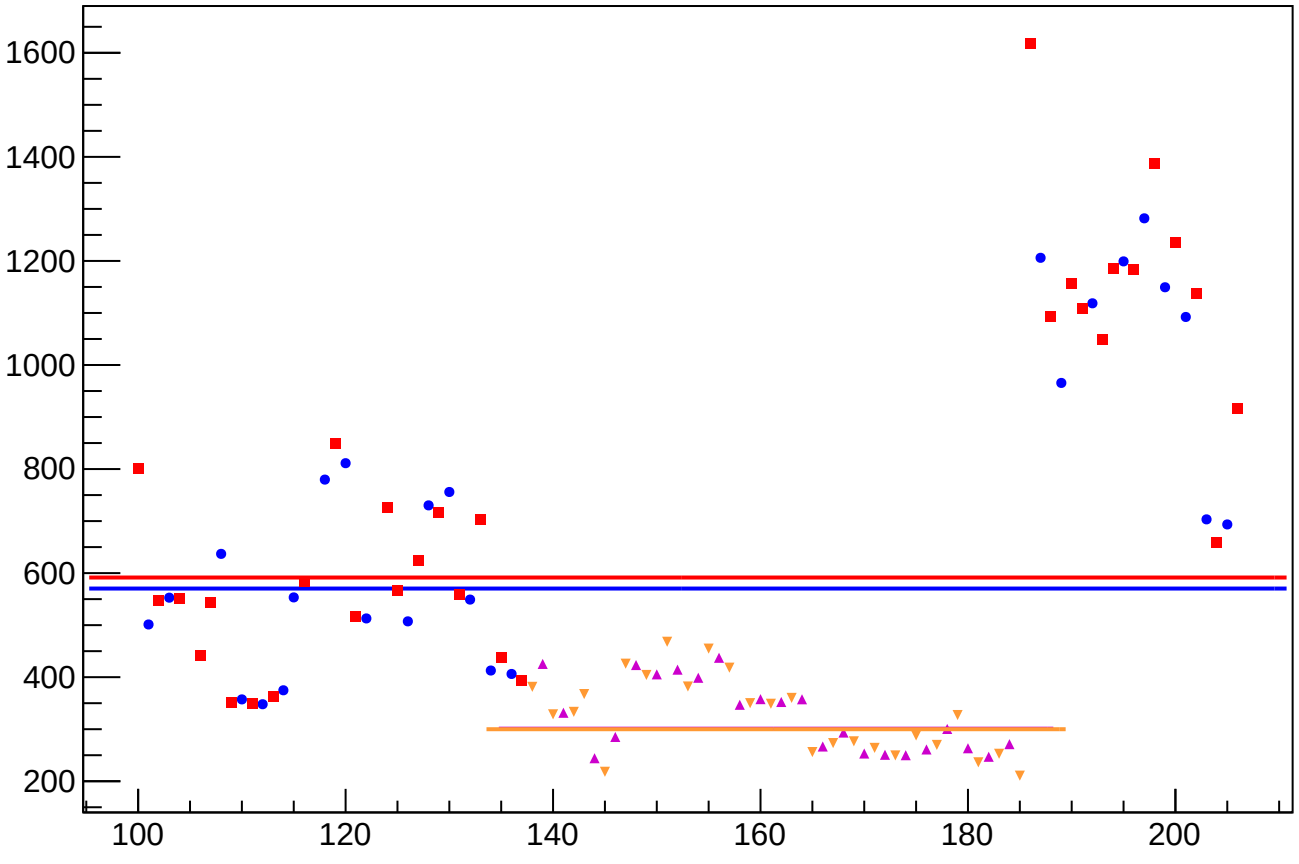
Left In: 39.491+/-0.007 χ^2/NDF:251801.8/22

+ sign 43.095+/-0.006 χ^2/NDF: 5156977.9/49

All: 43.541+/-0.004 χ^2/NDF: 12140923.5/103

- sign 44.001+/-0.006 χ^2/NDF: 6970633.3/53


asym_sam_15_37_dd_eigen_cor_correction_mean vs Slug
8000
6000
4000
2000
0
−2000
100
120
140
160
180
200
Right In: 271.291+/-165.389 χ²/NDF: 32.6/24
Left Out: 195.028+/-70.093 χ²/NDF:48.6/24
Right Out: 404.393+/-161.306 χ²/NDF: 25.4/30
Left In: 4.014+/-71.981 χ²/NDF:32.4/22
+ sign 206.640+/-64.536 χ²/NDF: 81.4/49
All: 139.822+/-46.051 χ²/NDF: 146.5/103
- sign 70.502+/-65.733 χ²/NDF: 62.9/53



Right In: 570.345+/-0.117 χ^2/NDF: 4108327.1/24

Left Out: 299.976+/-0.050 χ^2/NDF:1808454.4/24

Right Out: 591.539+/-0.114 χ^2/NDF: 5658632.6/30

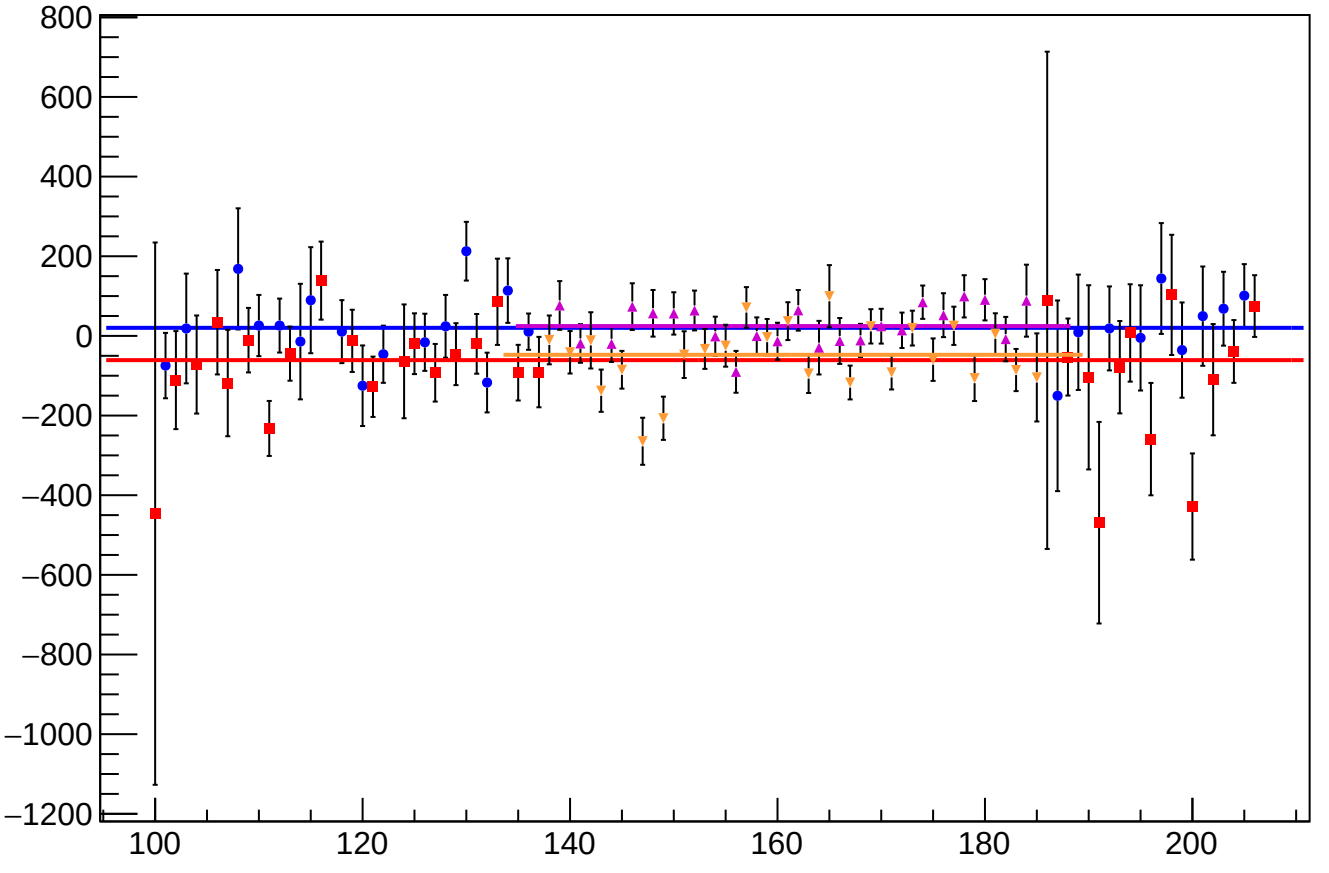
Left In: 300.999+/-0.051 χ^2/NDF:1407206.0/22

+ sign 341.143+/-0.046 χ^2/NDF: 10447727.5/49

All: 345.121+/-0.033 χ^2/NDF: 22940008.0/10

- sign 349.247+/-0.046 χ^2/NDF: 12476803.9/53

dit_asym_sam_15_37_dd_mean vs Slug



Right In: 20.264+/-17.644 χ^2/NDF: 20.3/24

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -60.854+/-17.523 χ^2/NDF: 33.2/30

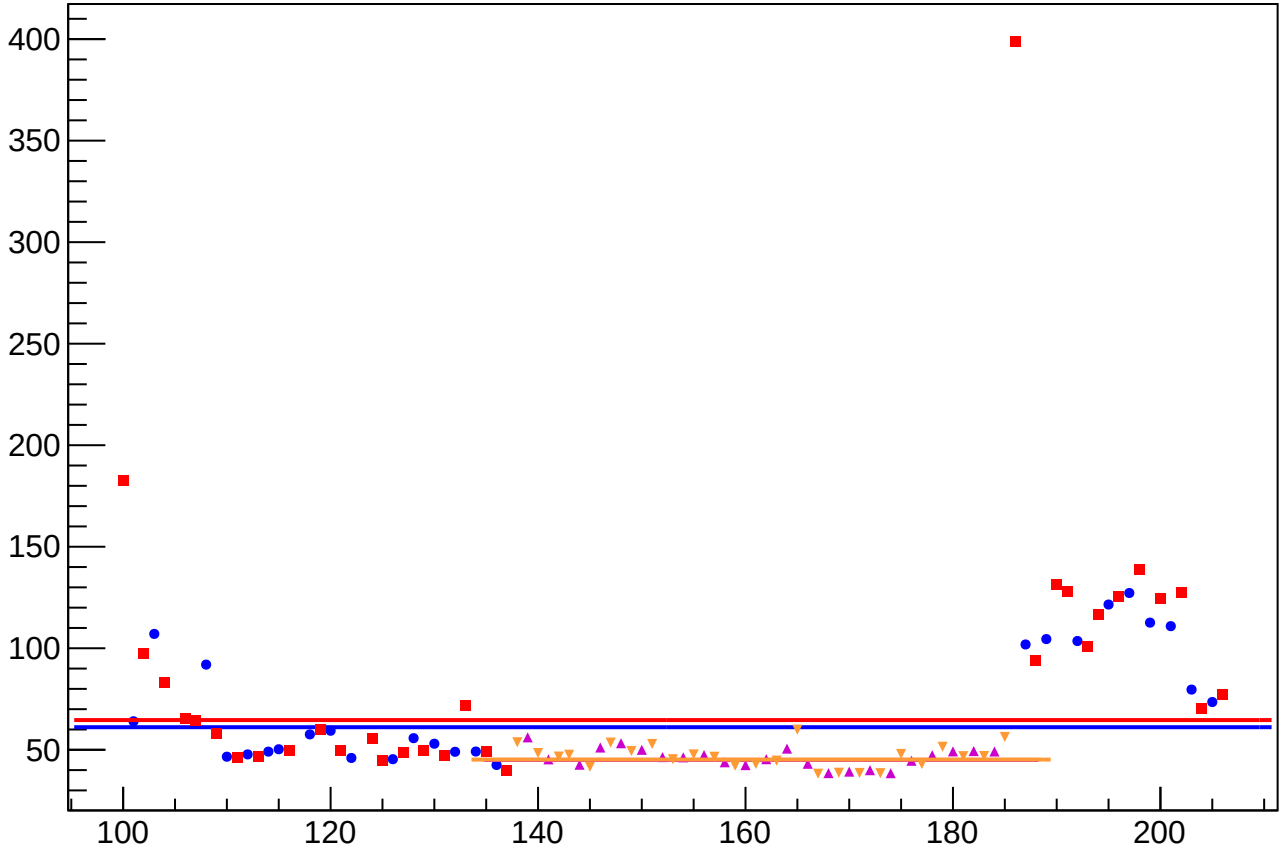
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -30.031+/-8.954 χ^2/NDF: 85.9/49

All: -14.492+/-6.385 χ^2/NDF: 162.3/103

- sign 1.581+/-9.107 χ^2/NDF: 70.3/53

dit_asym_sam_15_37_dd_rms vs Slug



Right In: 61.123+/-0.012 χ^2/NDF: 3386285.7/24

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

Right Out: 64.639+/-0.012 χ^2/NDF: 4701817.7/30

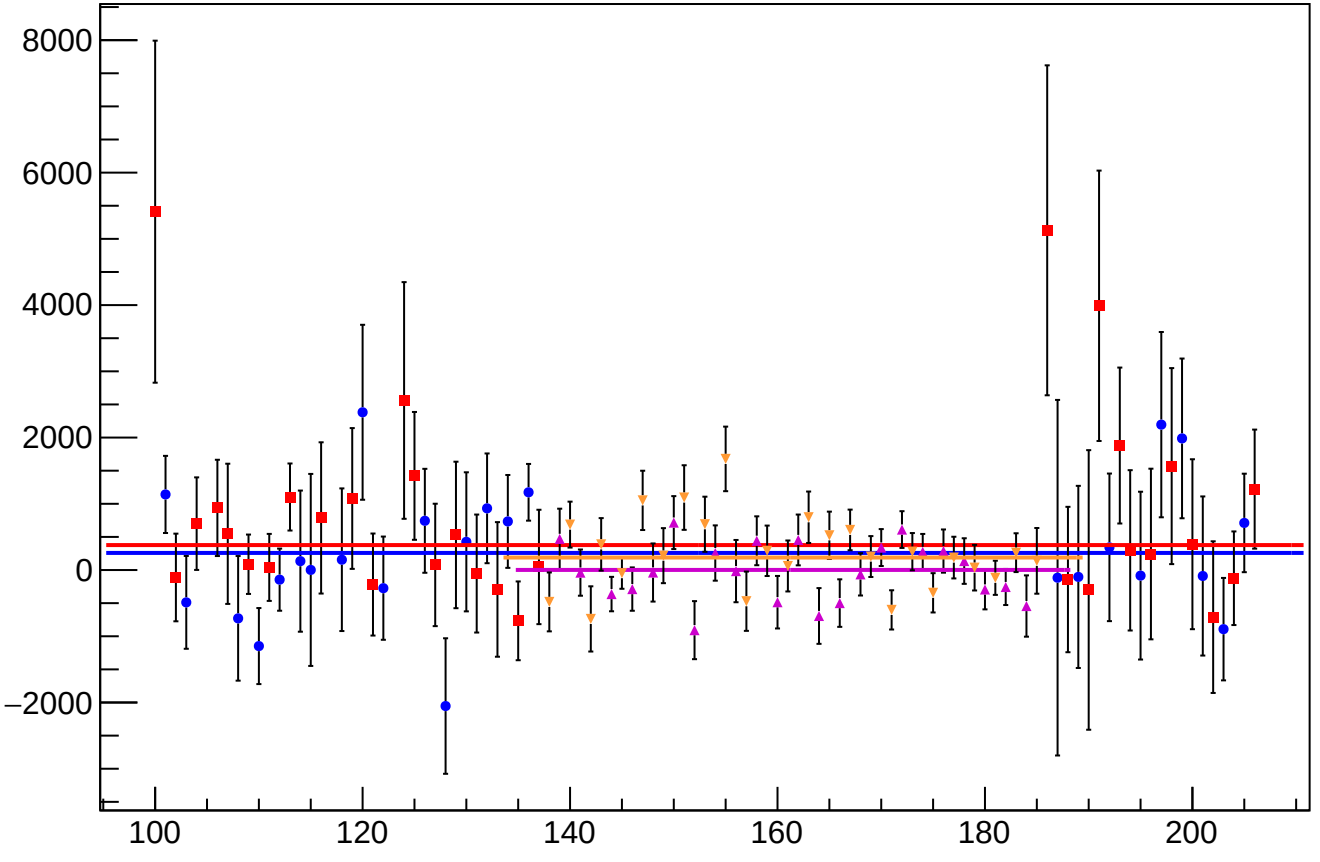
Left In: 45.017+/-0.008 χ^2/NDF:372690.8/22

+ sign 49.283+/-0.006 χ^2/NDF: 5089268.1/49

All: 49.791+/-0.005 χ^2/NDF: 12007177.5/103

- sign 50.317+/-0.006 χ^2/NDF: 6904783.2/53

asym_sam_15_37_dd_dit_correction_mean vs Slug



Right In: 258.328+/-162.144 χ^2/NDF: 32.4/24

Left Out: 188.812+/-69.714 χ^2/NDF:46.8/24

Right Out: 376.829+/-154.856 χ^2/NDF: 28.3/30

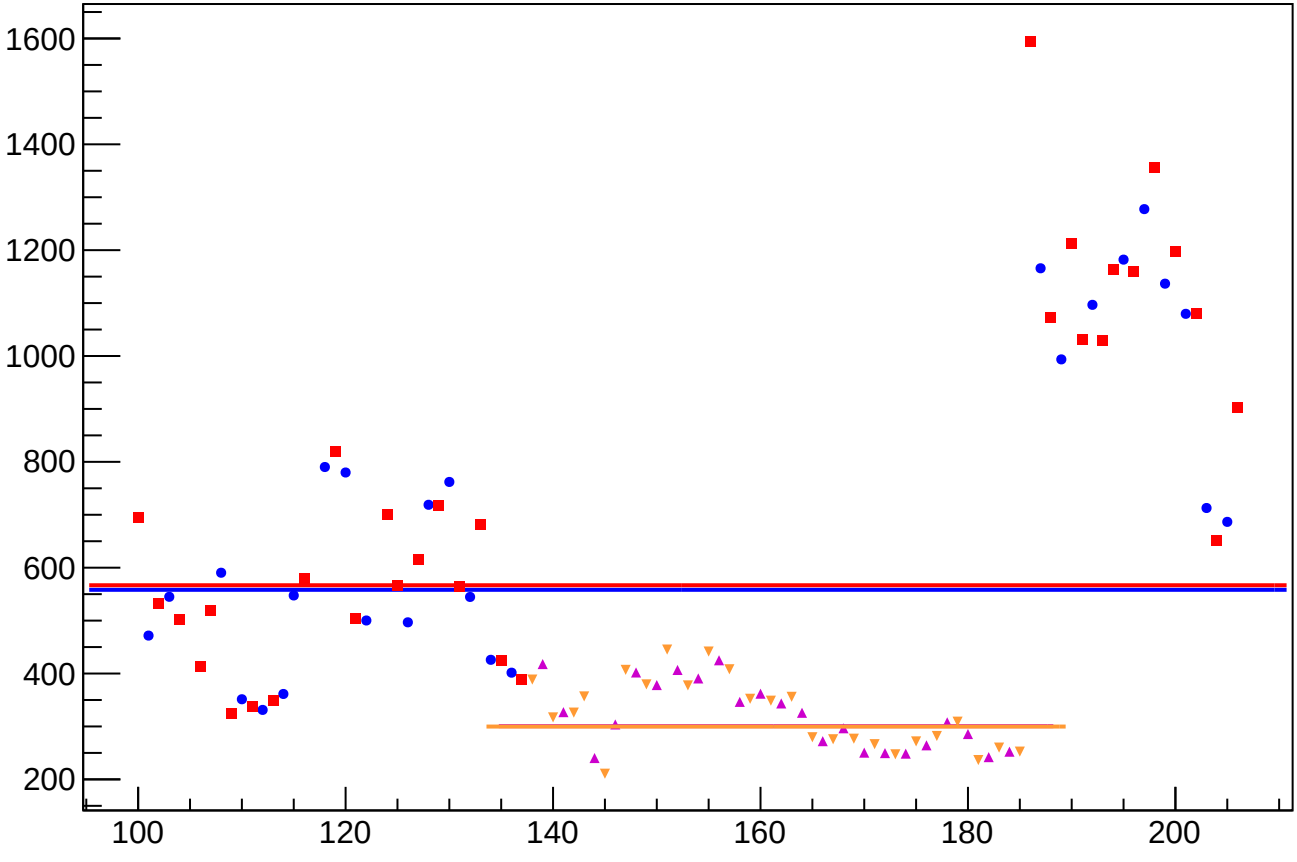
Left In: 1.655+/-71.712 χ^2/NDF:32.2/22

+ sign 199.658+/-64.045 χ^2/NDF: 79.3/49

All: 134.831+/-45.646 χ^2/NDF: 146.7/103

- sign 67.905+/-65.073 χ^2/NDF: 65.3/53

asym_sam_15_37_dd_dit_correction_rms vs Slug



Right In: 558.193+/-0.115 χ^2/NDF: 4240720.8/24

Left Out: 299.798+/-0.049 χ^2/NDF:1577420.4/24

Right Out: 566.814+/-0.109 χ^2/NDF: 5927137.9/30

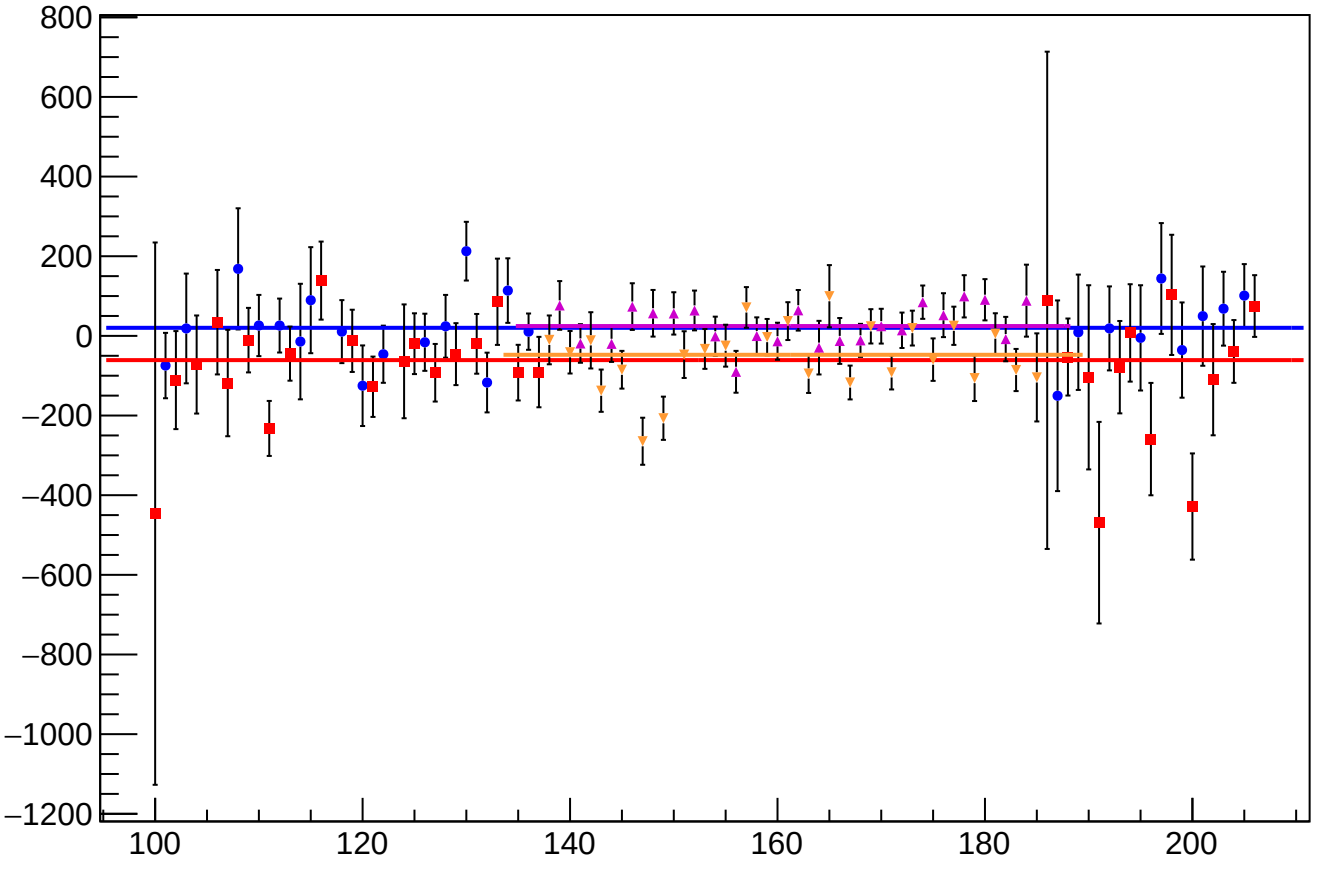
Left In: 300.544+/-0.051 χ^2/NDF:1259270.5/22

+ sign 340.112+/-0.045 χ^2/NDF: 10104918.9/49

All: 343.778+/-0.032 χ^2/NDF: 22173630.4/10

- sign 347.563+/-0.046 χ^2/NDF: 12055391.3/53

eigen_dit_asym_sam_15_37_dd_mean vs Slug



Right In: 20.264+/-17.644 χ^2/NDF: 20.3/24

Left Out: -47.480+/-10.392 χ^2/NDF:54.7/24

Right Out: -60.855+/-17.523 χ^2/NDF: 33.2/30

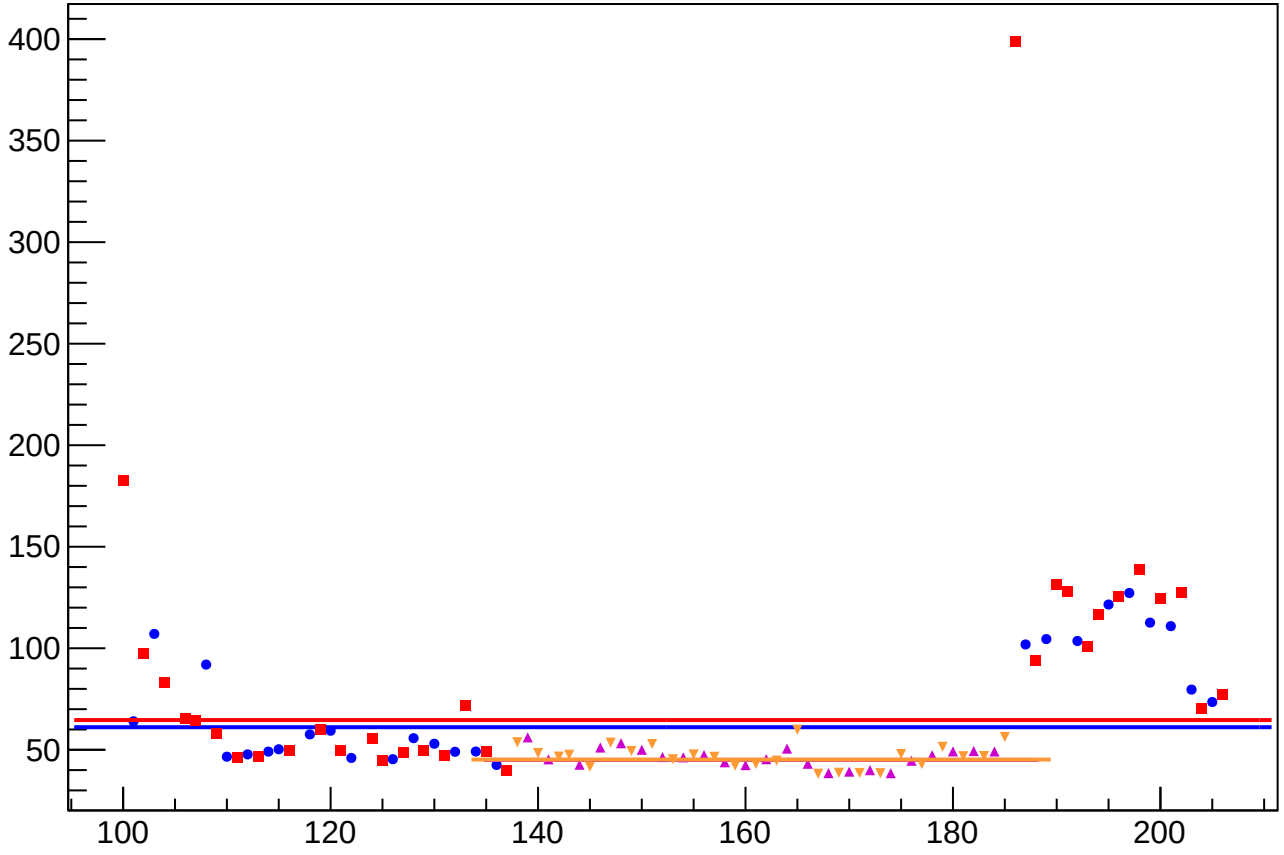
Left In: 24.687+/-10.660 χ^2/NDF:19.7/22

+ sign -30.032+/-8.954 χ^2/NDF: 85.9/49

All: -14.493+/-6.385 χ^2/NDF: 162.3/103

- sign 1.581+/-9.107 χ^2/NDF: 70.3/53

eigen_dit_asym_sam_15_37_dd_rms vs Slug



Right In: 61.123+/-0.012 χ^2/NDF: 3386290.4/24

Left Out: 45.175+/-0.007 χ^2/NDF:489860.2/24

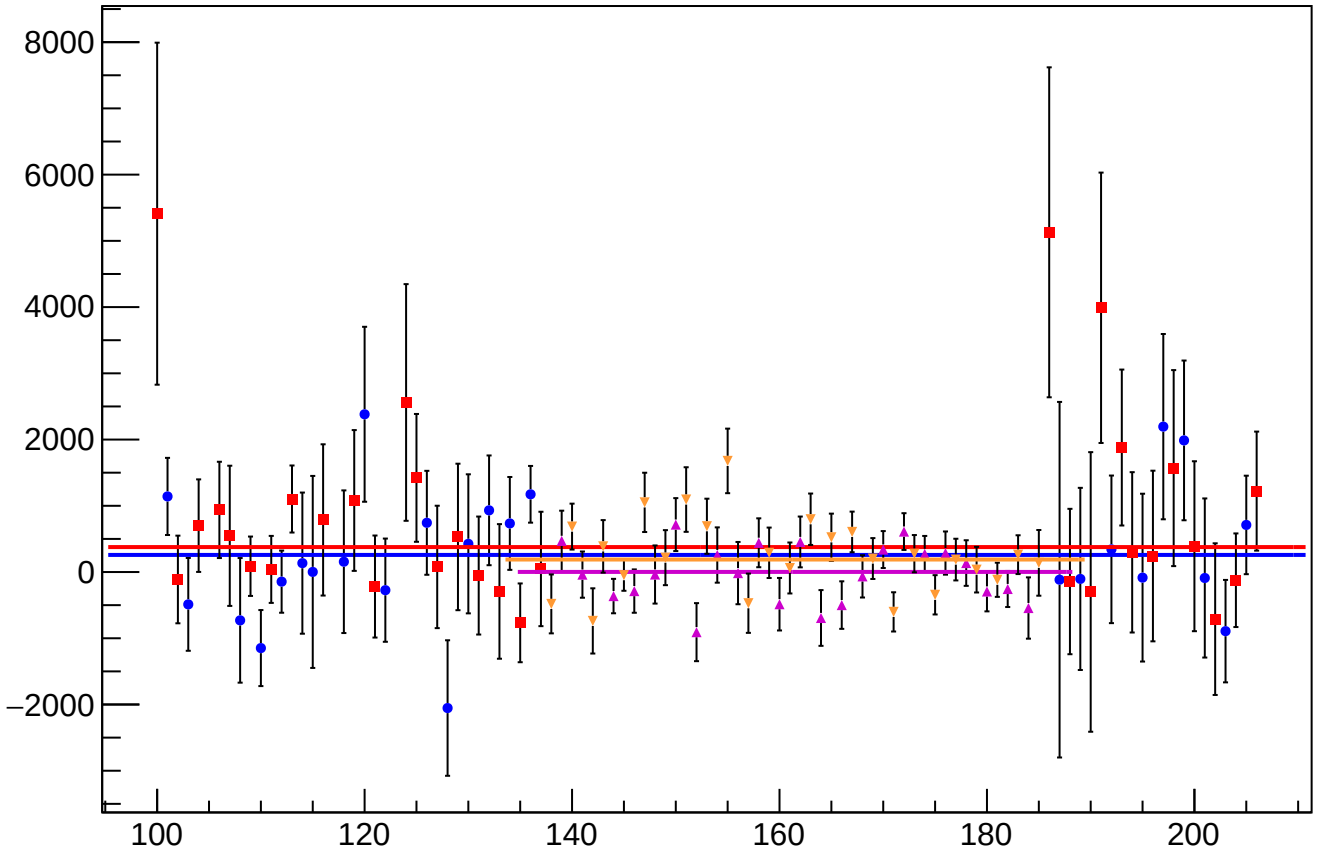
Right Out: 64.639+/-0.012 χ^2/NDF: 4701822.0/30

Left In: 45.017+/-0.008 χ^2/NDF:372691.9/22

+ sign 49.283+/-0.006 χ^2/NDF: 5089274.9/49

All: 49.791+/-0.005 χ^2/NDF: 12007192.5/103

- sign 50.317+/-0.006 χ^2/NDF: 6904790.5/53



Right In: 258.327+/-162.143 χ^2/NDF: 32.4/24

Left Out: 188.813+/-69.714 χ^2/NDF:46.8/24

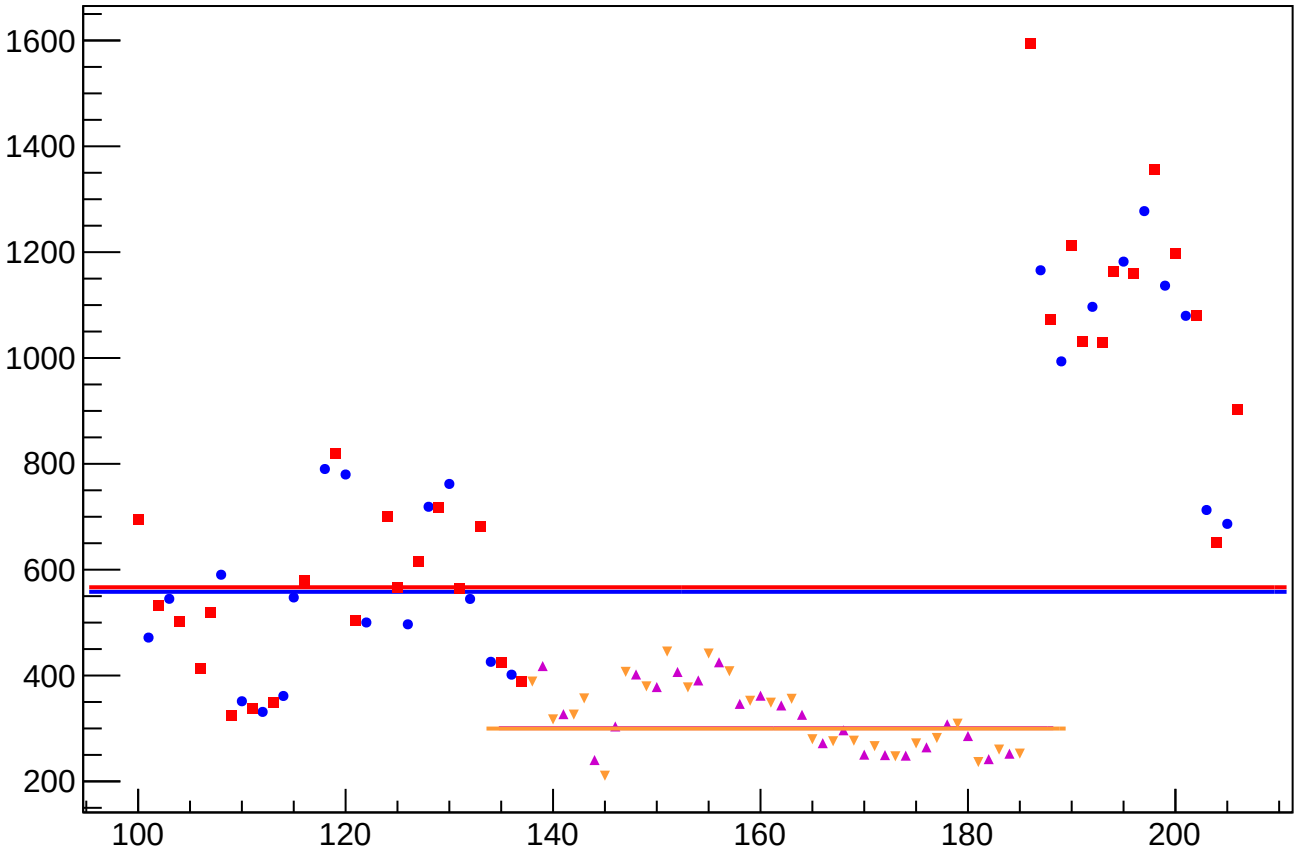
Right Out: 376.828+/-154.855 χ^2/NDF: 28.3/30

Left In: 1.654+/-71.712 χ^2/NDF:32.2/22

+ sign 199.658+/-64.045 χ^2/NDF: 79.3/49

All: 134.831+/-45.646 χ^2/NDF: 146.7/103

- sign 67.905+/-65.073 χ^2/NDF: 65.3/53



Right In: 558.192+/-0.115 χ^2/NDF: 4240732.3/24

Left Out: 299.798+/-0.049 χ^2/NDF:1577421.4/24

Right Out: 566.813+/-0.109 χ^2/NDF: 5927144.9/30

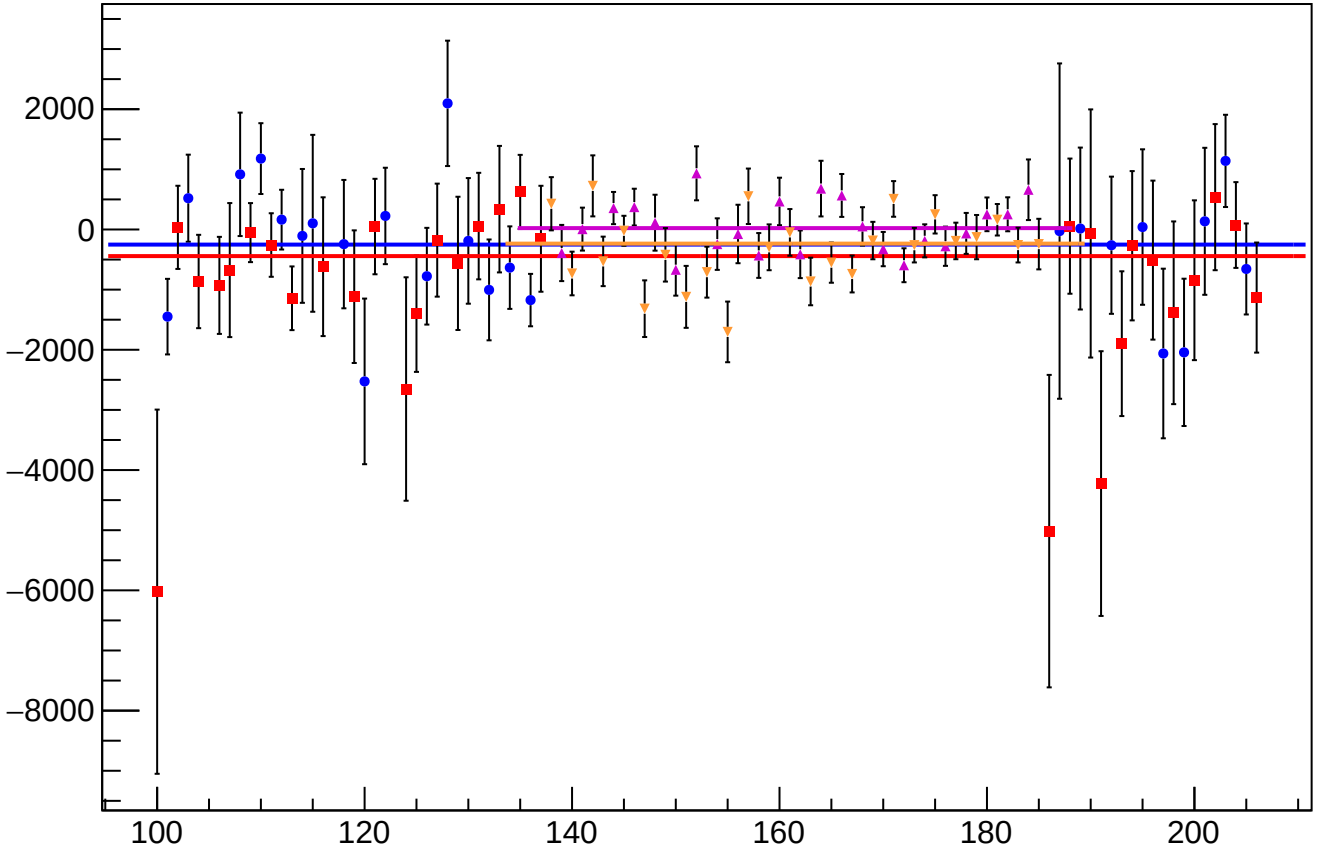
Left In: 300.544+/-0.051 χ^2/NDF:1259265.2/22

+ sign 340.112+/-0.045 χ^2/NDF: 10104904.8/49

All: 343.779+/-0.032 χ^2/NDF: 22173581.2/10

- sign 347.564+/-0.046 χ^2/NDF: 12055355.4/53

asym_sam_15_37_dd_mean vs Slug



Right In: -251.343+/-166.445 χ^2/NDF: 34.5/24

Left Out: -235.168+/-70.741 χ^2/NDF:47.5/24

Right Out: -442.525+/-161.793 χ^2/NDF: 24.3/30

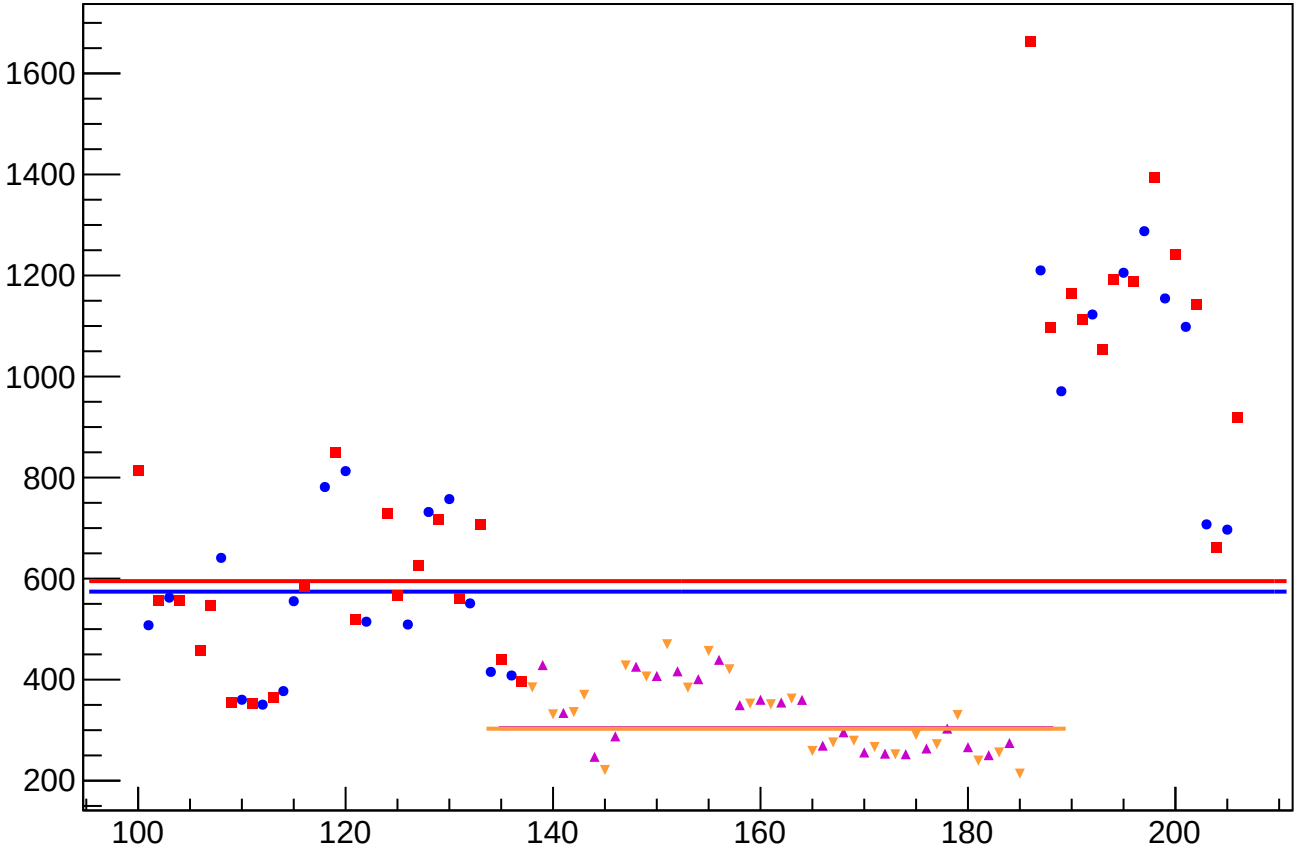
Left In: 22.662+/-72.642 χ^2/NDF:29.9/22

+ sign -237.643+/-65.105 χ^2/NDF: 82.0/49

All: -148.127+/-46.442 χ^2/NDF: 146.9/103

- sign -55.381+/-66.269 χ^2/NDF: 61.0/53

asym_sam_15_37_dd_rms vs Slug



Right In: 574.216+/-0.118 χ^2/NDF: 4089427.1/24

Left Out: 302.944+/-0.050 χ^2/NDF:1766061.8/24

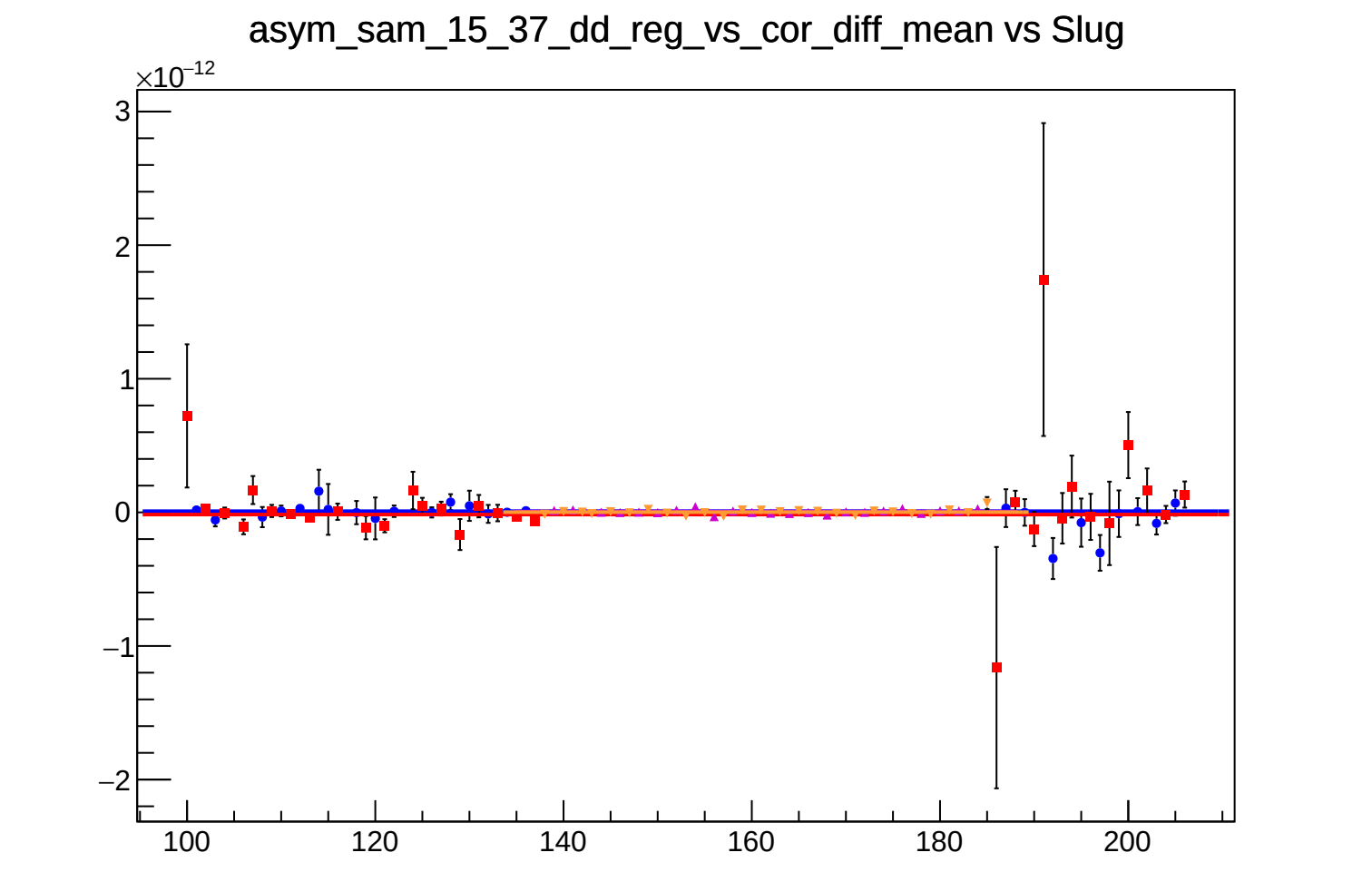
Right Out: 595.004+/-0.114 χ^2/NDF: 5638616.8/30

Left In: 303.923+/-0.051 χ^2/NDF:1376278.3/22

+ sign 344.448+/-0.046 χ^2/NDF: 10355210.0/49

All: 348.529+/-0.033 χ^2/NDF: 22773590.8/10

- sign 352.757+/-0.047 χ^2/NDF: 12402382.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 18.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:22.9/24

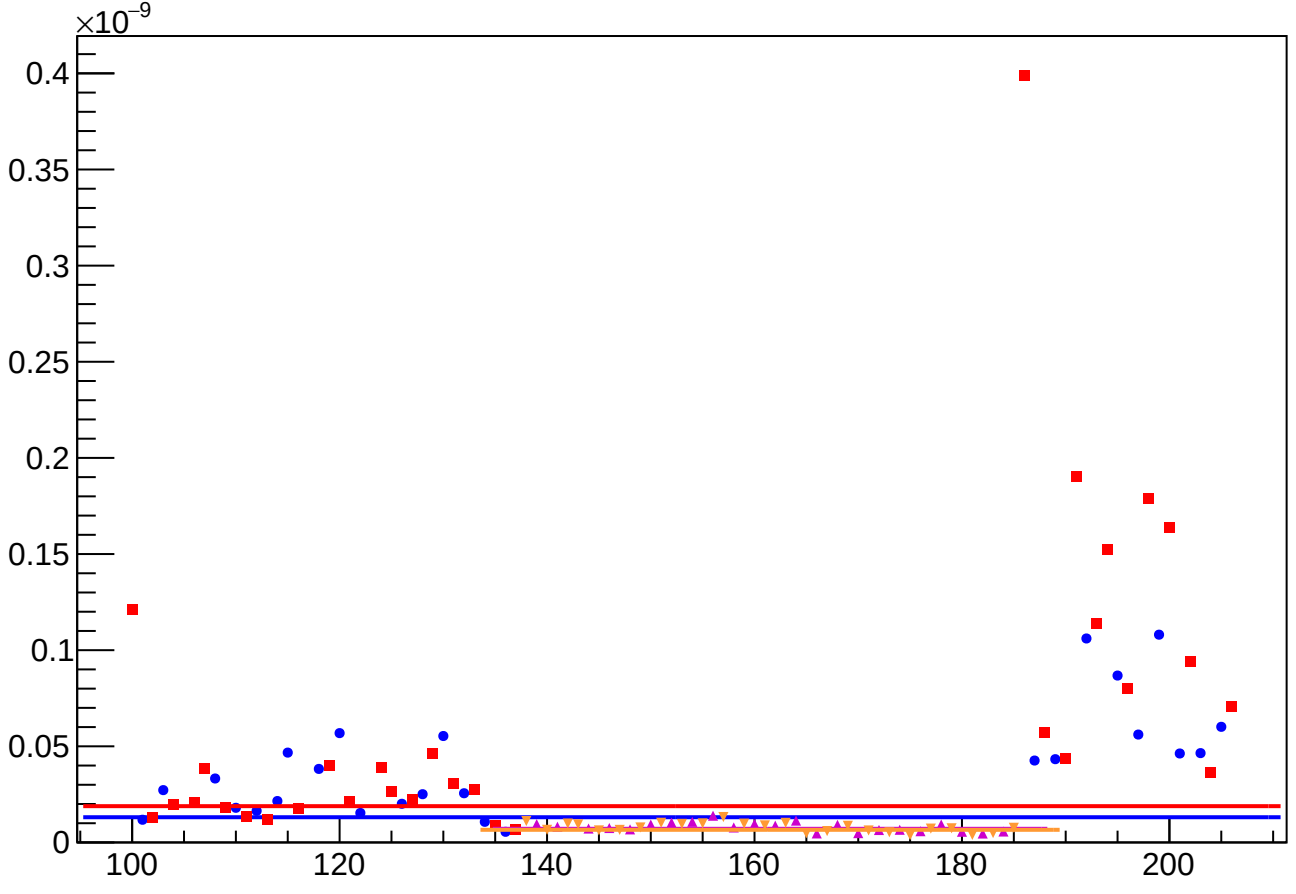
Right Out: -0.000+/-0.000 χ^2/NDF: 38.5/30

Left In: 0.000+/-0.000 χ^2/NDF:18.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 41.7/49

All: 0.000+/-0.000 χ^2/NDF: 103.4/103

- sign 0.000+/-0.000 χ^2/NDF: 61.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 5380704.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1479029.9/24

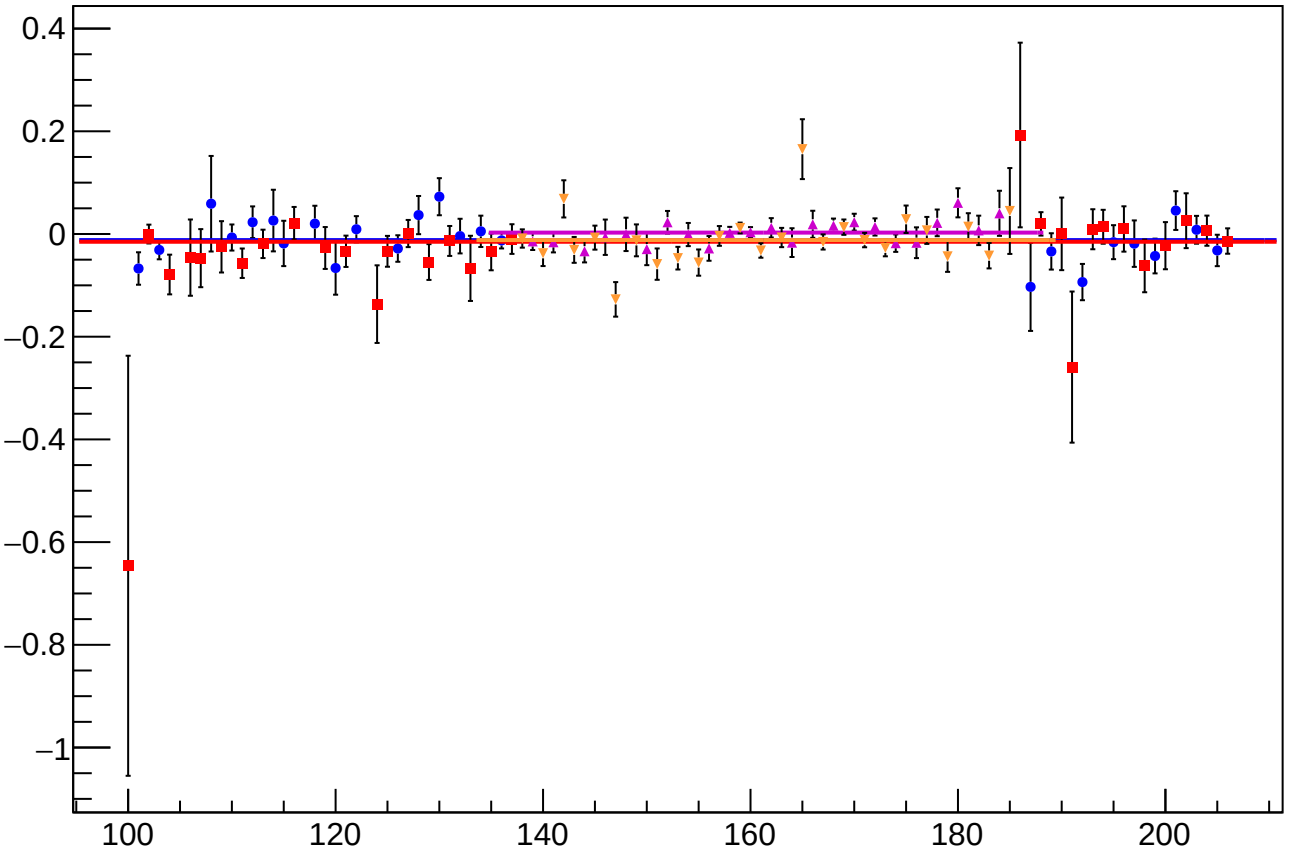
Right Out: 0.000+/-0.000 χ^2/NDF: 6014955.6/30

Left In: 0.000+/-0.000 χ^2/NDF:981529.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 8114433.5/49

All: 0.000+/-0.000 χ^2/NDF: 17806877.7/103

- sign 0.000+/-0.000 χ^2/NDF: 9609414.8/53



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

Right Out: -0.015+/-0.006 χ^2/NDF: 25.8/30

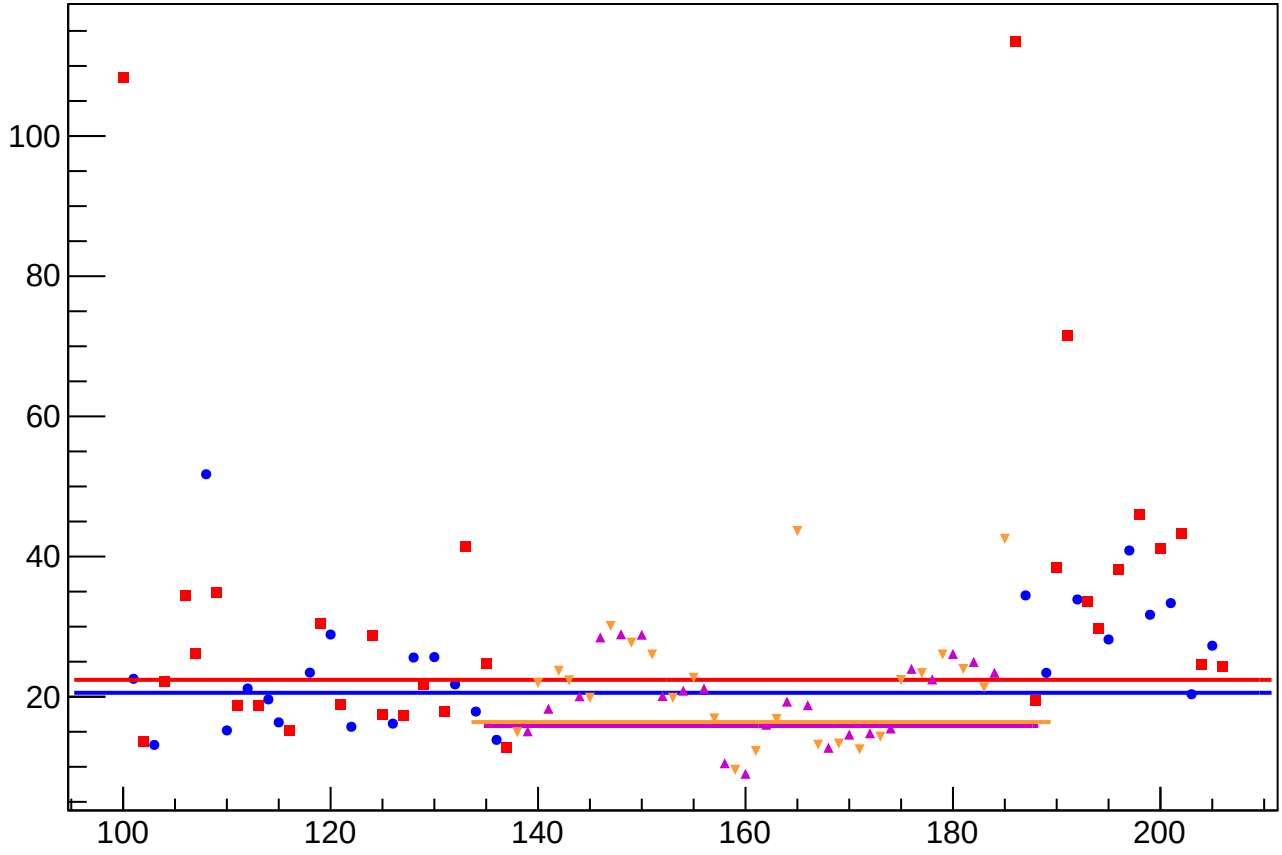
Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 81.6/49

All: -0.007+/-0.002 χ^2/NDF: 136.5/103

- sign -0.002+/-0.003 χ^2/NDF: 51.2/53

asym_sam_15_37_dd_dit_vs_cor_diff_rms vs Slug



Right In: 20.563+/-0.004 χ^2/NDF: 2735538.6/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

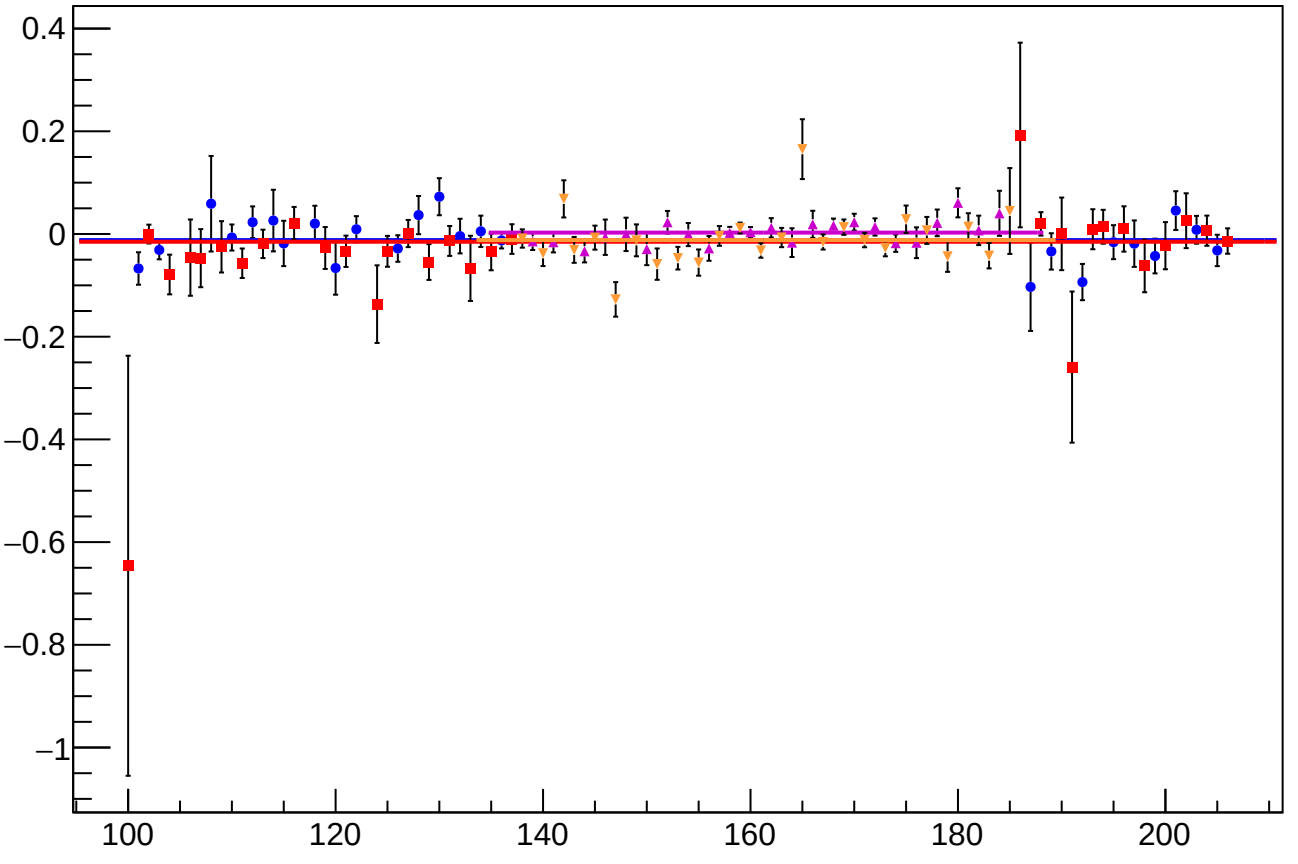
Right Out: 22.410+/-0.004 χ^2/NDF: 4095278.7/30

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.657+/-0.002 χ^2/NDF: 7407106.8/49

All: 17.694+/-0.002 χ^2/NDF: 16696507.2/103

- sign 17.731+/-0.002 χ^2/NDF: 9288934.9/53



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

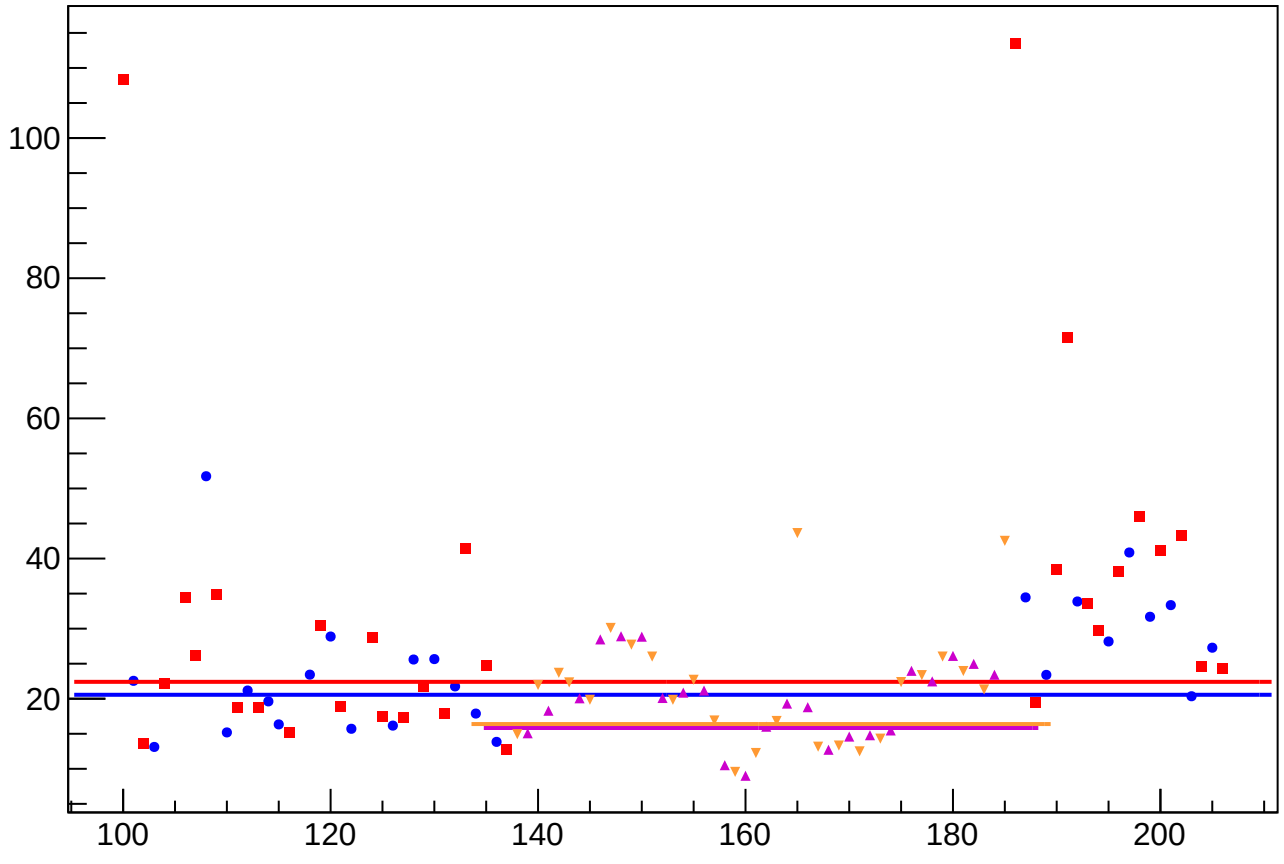
Right Out: -0.015+/-0.006 χ^2/NDF: 25.8/30

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 81.6/49

All: -0.007+/-0.002 χ^2/NDF: 136.5/103

- sign -0.002+/-0.003 χ^2/NDF: 51.2/53



Right In: 20.563+/-0.004 χ^2/NDF: 2735538.6/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030028.3/24

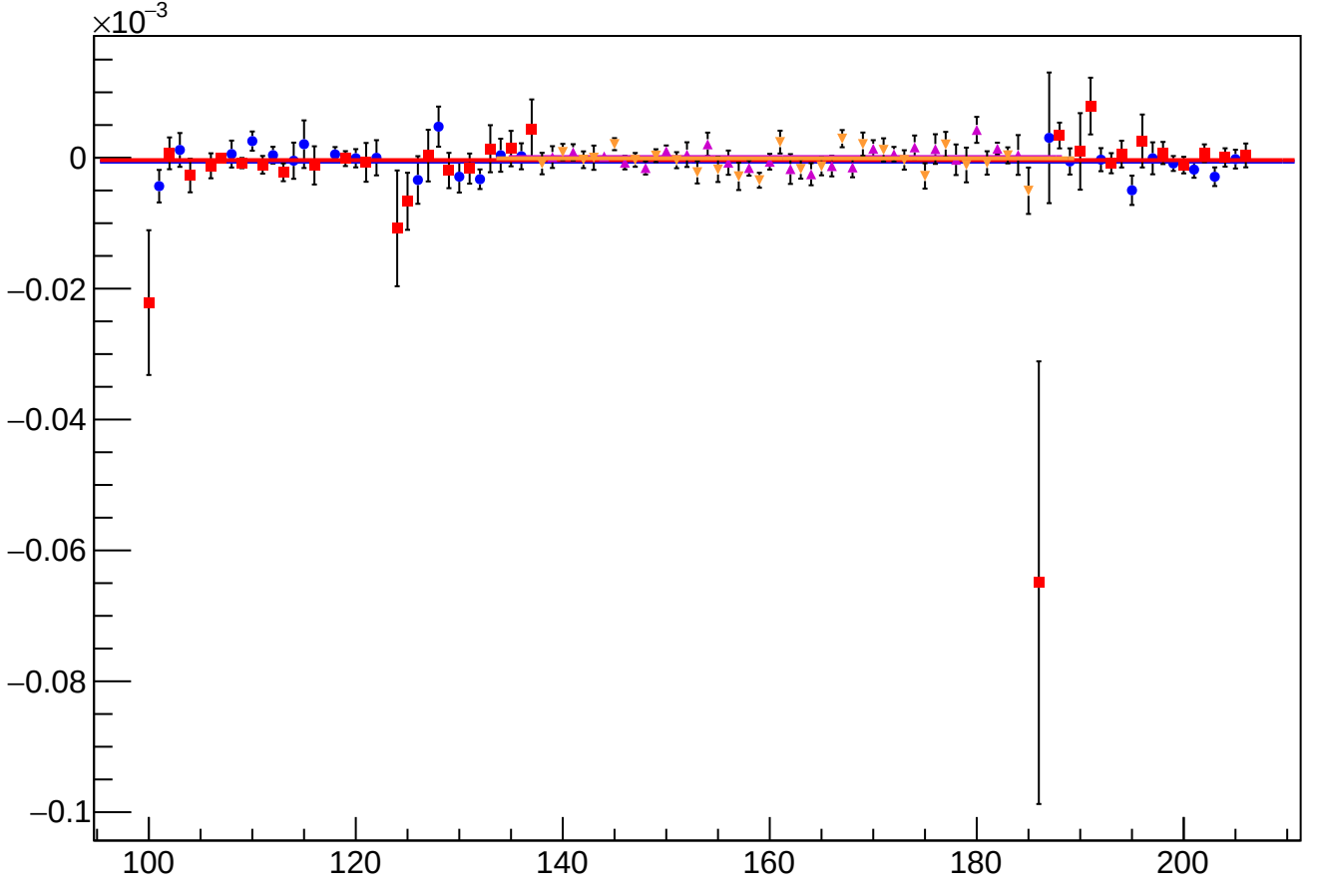
Right Out: 22.410+/-0.004 χ^2/NDF: 4095278.7/30

Left In: 15.824+/-0.003 χ^2/NDF:3654469.7/22

+ sign 17.657+/-0.002 χ^2/NDF: 7407106.8/49

All: 17.694+/-0.002 χ^2/NDF: 16696507.2/103

- sign 17.731+/-0.002 χ^2/NDF: 9288934.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 25.7/24

Left Out: -0.000+/-0.000 χ^2/NDF:36.1/24

Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/30

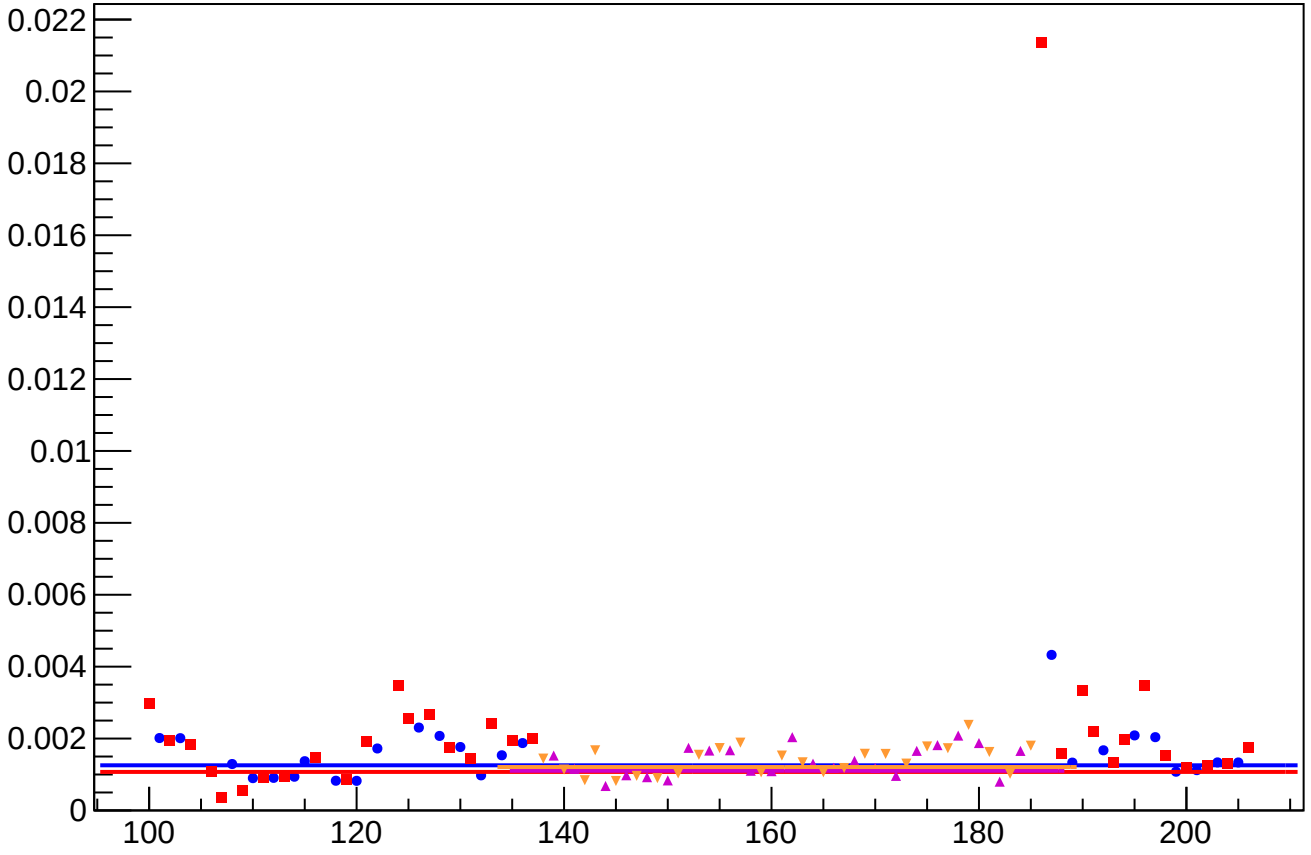
Left In: 0.000+/-0.000 χ^2/NDF:21.9/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.0/49

All: -0.000+/-0.000 χ^2/NDF: 113.8/103

- sign -0.000+/-0.000 χ^2/NDF: 50.4/53

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 2746350.8/24

Left Out: 0.001+/-0.000 χ^2/NDF:2720984.6/24

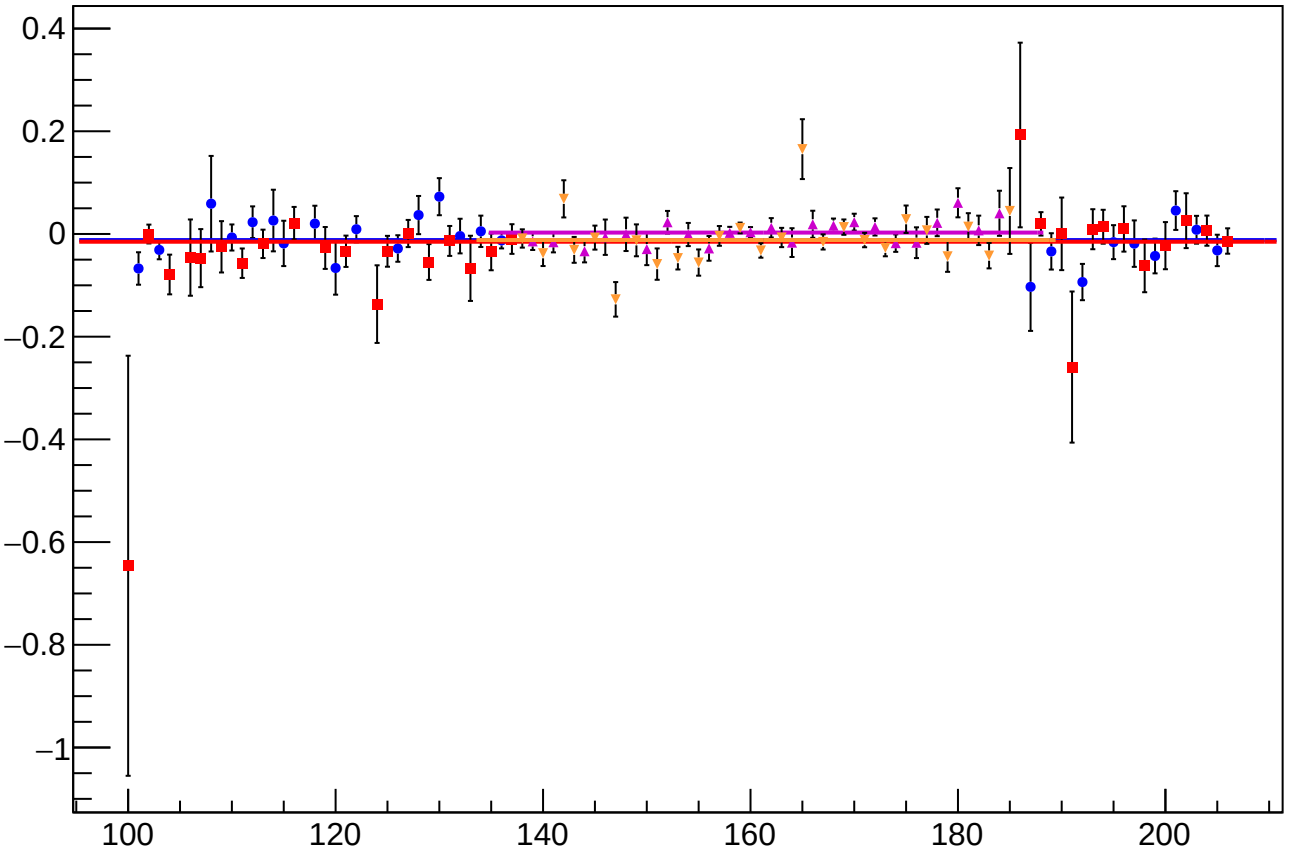
Right Out: 0.001+/-0.000 χ^2/NDF: 7965371.2/30

Left In: 0.001+/-0.000 χ^2/NDF:3494983.4/22

+ sign 0.001+/-0.000 χ^2/NDF: 5489304.0/49

All: 0.001+/-0.000 χ^2/NDF: 17364889.1/103

- sign 0.001+/-0.000 χ^2/NDF: 11472345.9/53



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

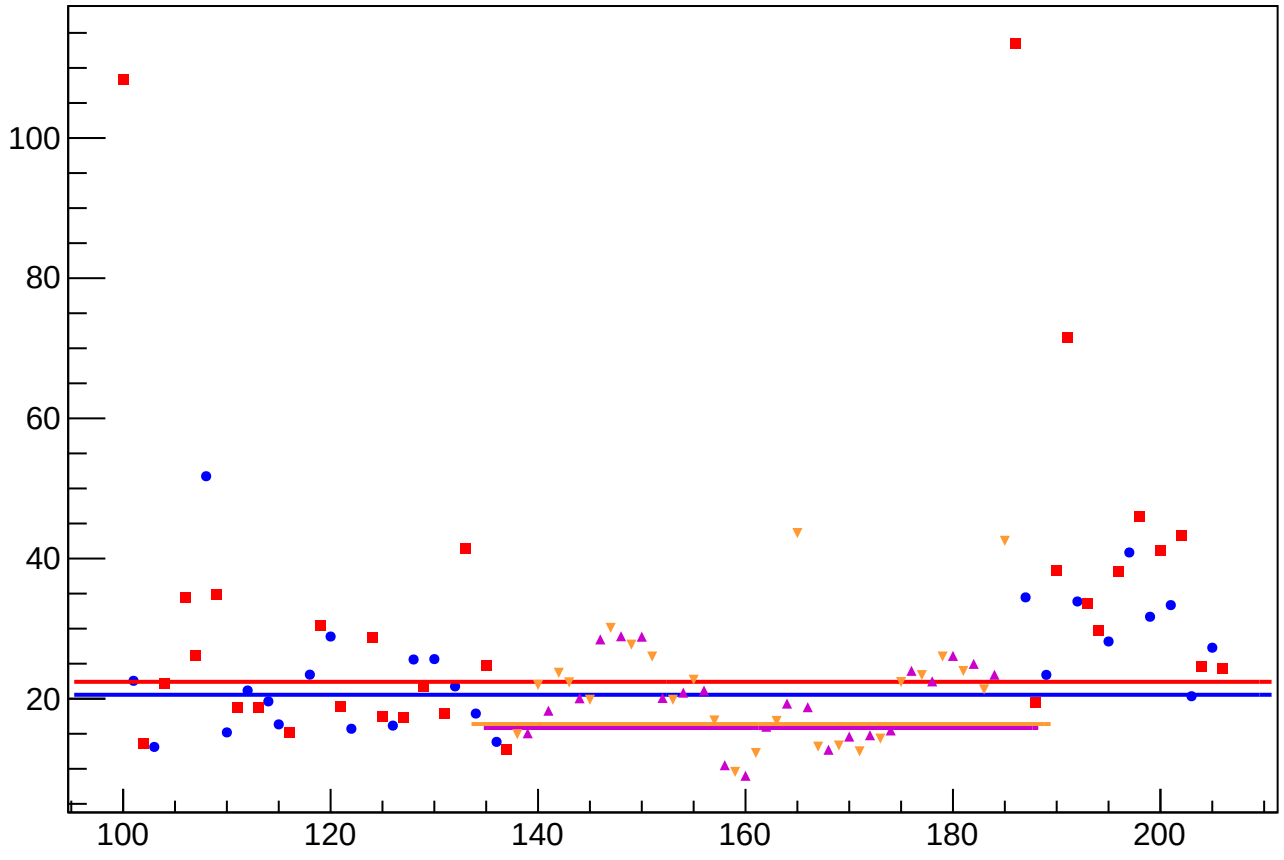
Right Out: -0.015+/-0.006 χ^2/NDF: 25.8/30

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 81.6/49

All: -0.007+/-0.002 χ^2/NDF: 136.5/103

- sign -0.002+/-0.003 χ^2/NDF: 51.2/53



Right In: 20.563+/-0.004 χ^2/NDF: 2735545.7/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

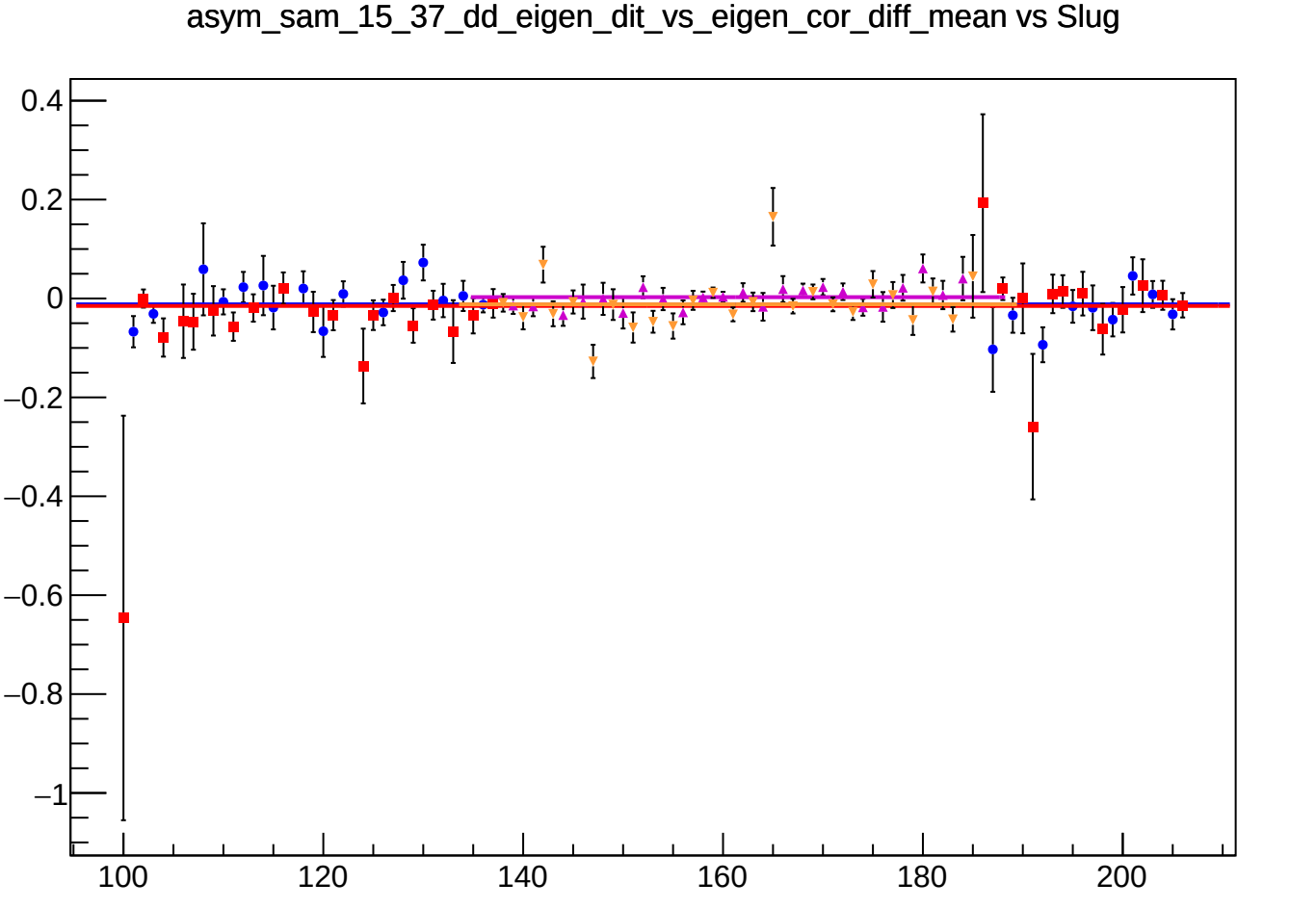
Right Out: 22.411+/-0.004 χ^2/NDF: 4095009.1/30

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

+ sign 17.657+/-0.002 χ^2/NDF: 7407441.2/49

All: 17.694+/-0.002 χ^2/NDF: 16697270.5/103

- sign 17.731+/-0.002 χ^2/NDF: 9289363.3/53



Right In: -0.012+/-0.006 χ^2/NDF: 28.1/24

Left Out: -0.012+/-0.004 χ^2/NDF:53.4/24

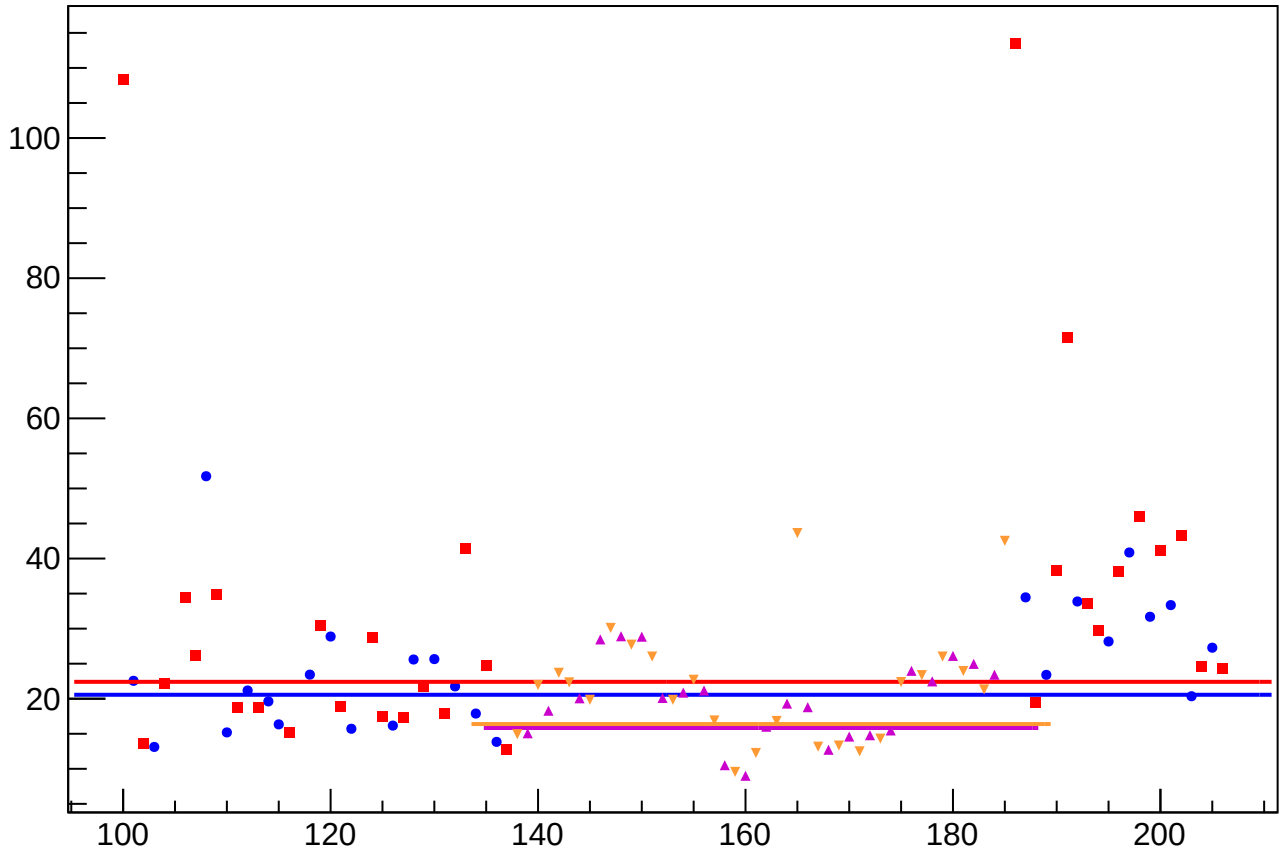
Right Out: -0.015+/-0.006 χ^2/NDF: 25.8/30

Left In: 0.003+/-0.004 χ^2/NDF:19.8/22

+ sign -0.012+/-0.003 χ^2/NDF: 81.6/49

All: -0.007+/-0.002 χ^2/NDF: 136.5/103

- sign -0.002+/-0.003 χ^2/NDF: 51.2/53



Right In: 20.563+/-0.004 χ^2/NDF: 2735545.7/24

Left Out: 16.387+/-0.003 χ^2/NDF:4030277.2/24

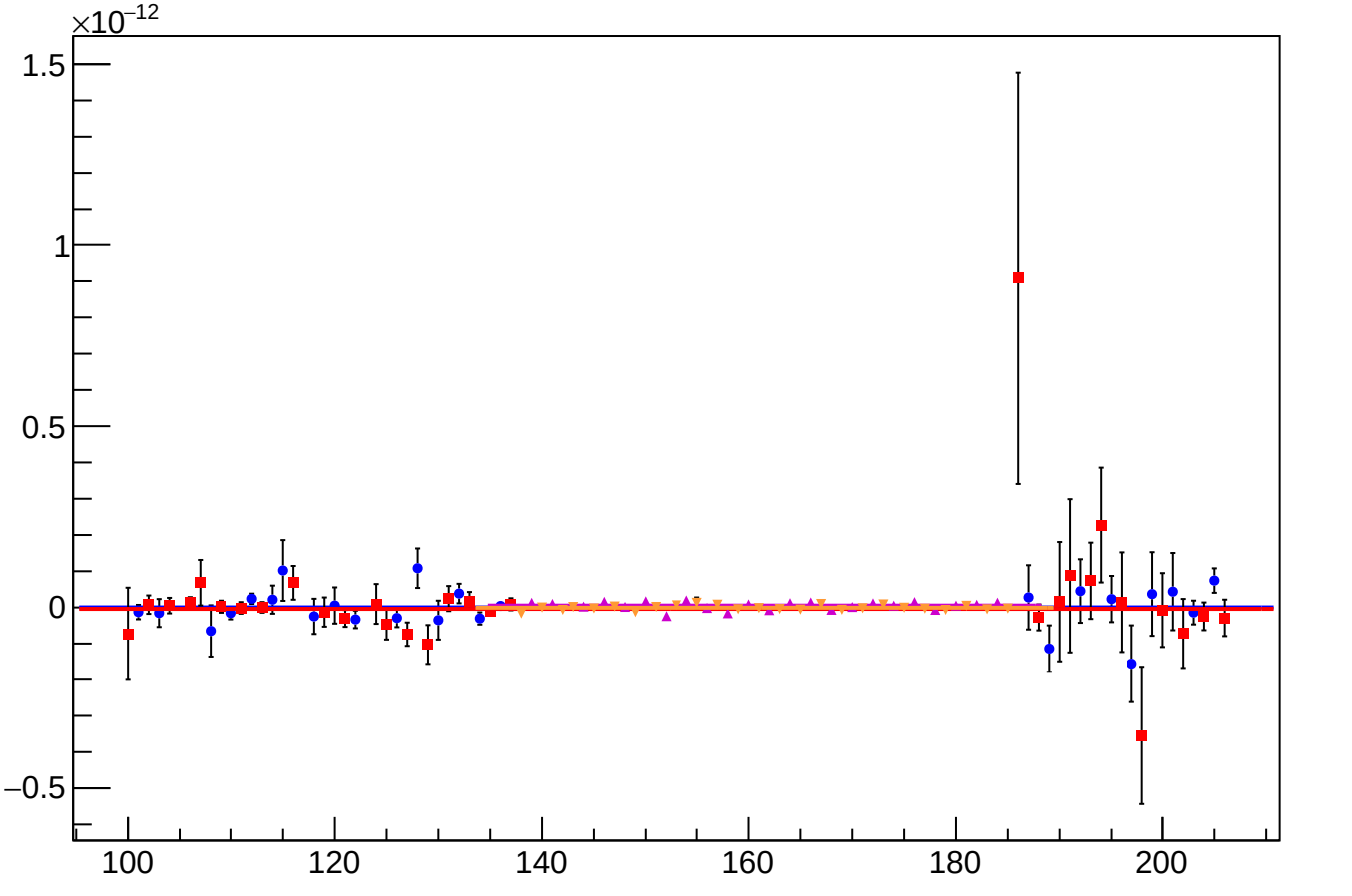
Right Out: 22.411+/-0.004 χ^2/NDF: 4095009.1/30

Left In: 15.823+/-0.003 χ^2/NDF:3654834.3/22

\+ sign 17.657+/-0.002 χ^2/NDF: 7407441.2/49

All: 17.694+/-0.002 χ^2/NDF: 16697270.5/103

\- sign 17.731+/-0.002 χ^2/NDF: 9289363.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 31.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:19.1/24

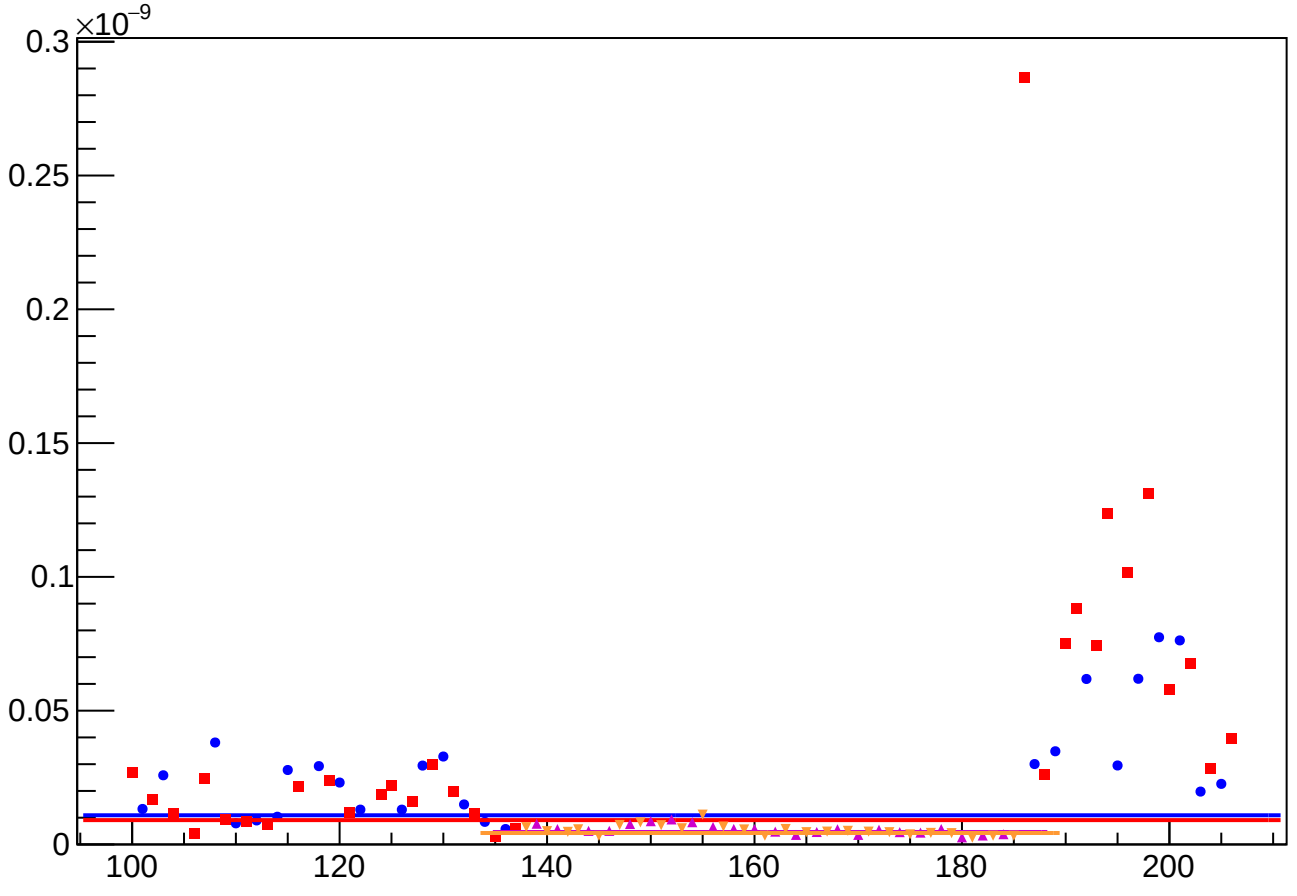
Right Out: -0.000+/-0.000 χ^2/NDF: 29.6/30

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

+ sign -0.000+/-0.000 χ^2/NDF: 50.5/49

All: 0.000+/-0.000 χ^2/NDF: 130.0/103

- sign 0.000+/-0.000 χ^2/NDF: 71.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 6248951.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2583638.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10816872.1/30

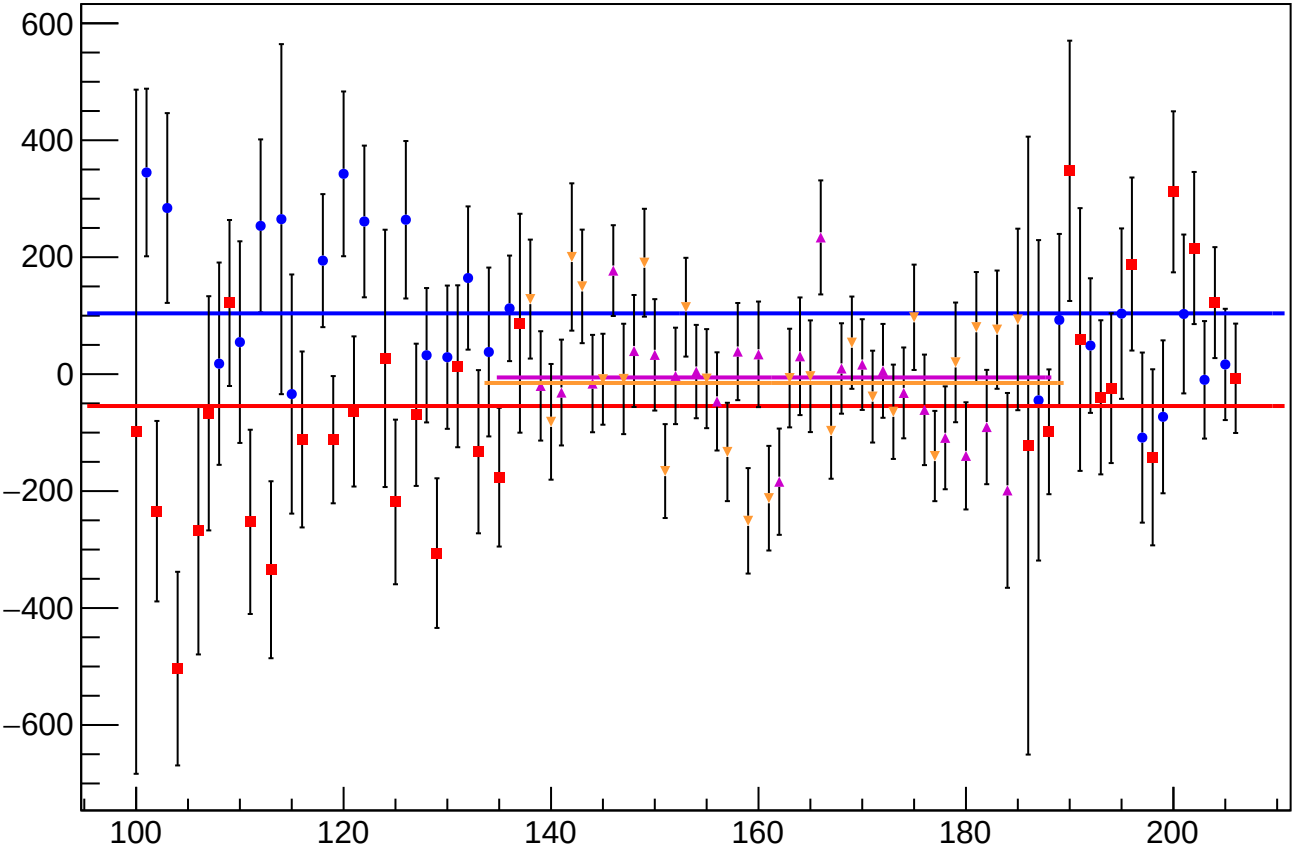
Left In: 0.000+/-0.000 χ^2/NDF:2508440.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 12263645.7/49

All: 0.000+/-0.000 χ^2/NDF: 27531698.2/103

- sign 0.000+/-0.000 χ^2/NDF: 15189249.2/53

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 103.945+/-26.650 χ^2/NDF: 20.4/24

Left Out: -15.100+/-17.957 χ^2/NDF:41.6/24

Right Out: -54.508+/-25.555 χ^2/NDF: 46.2/30

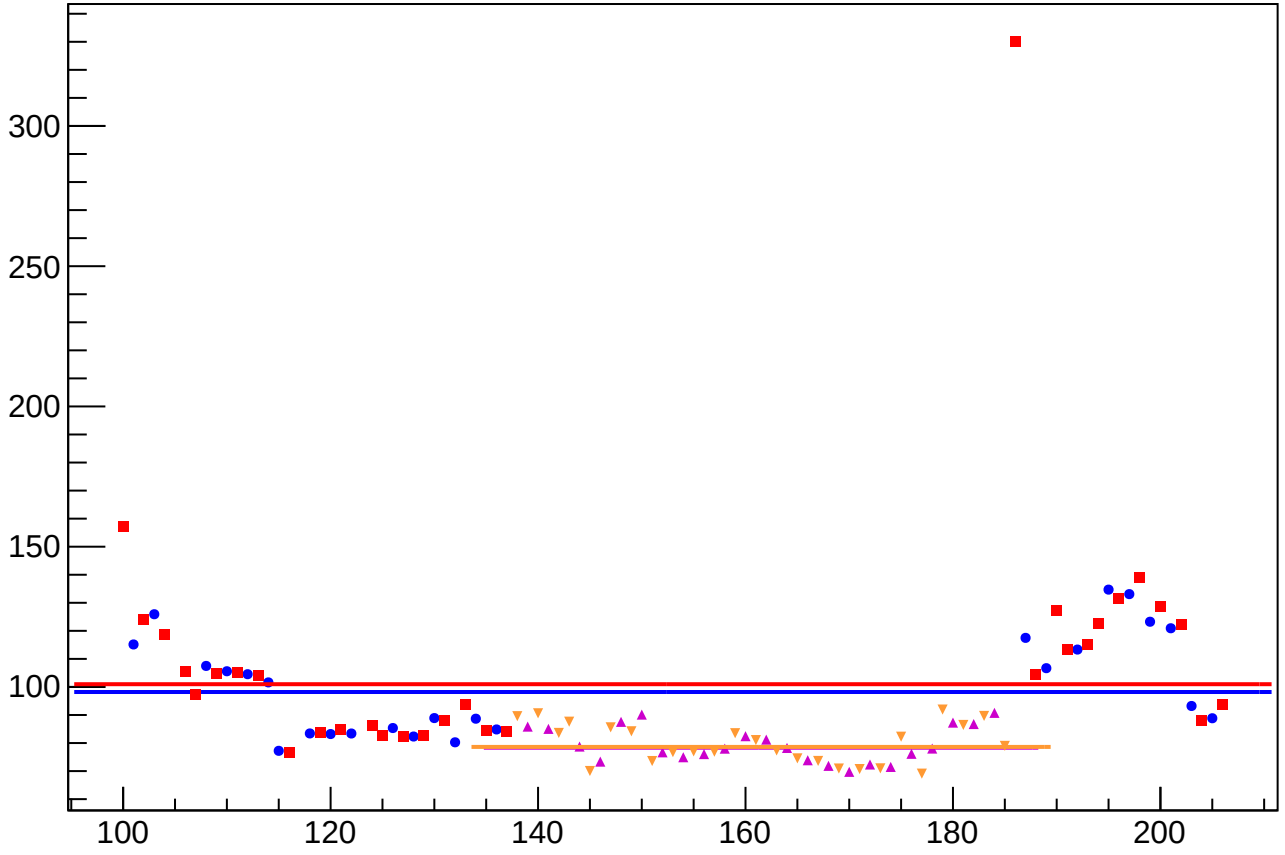
Left In: -5.629+/-18.382 χ^2/NDF:23.0/22

+ sign 22.072+/-14.892 χ^2/NDF: 75.7/49

All: -0.066+/-10.541 χ^2/NDF: 151.8/103

- sign -22.296+/-14.922 χ^2/NDF: 71.6/53

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 98.193+/-0.019 χ^2/NDF: 811763.5/24

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

Right Out: 100.978+/-0.018 χ^2/NDF: 1323576.7/30

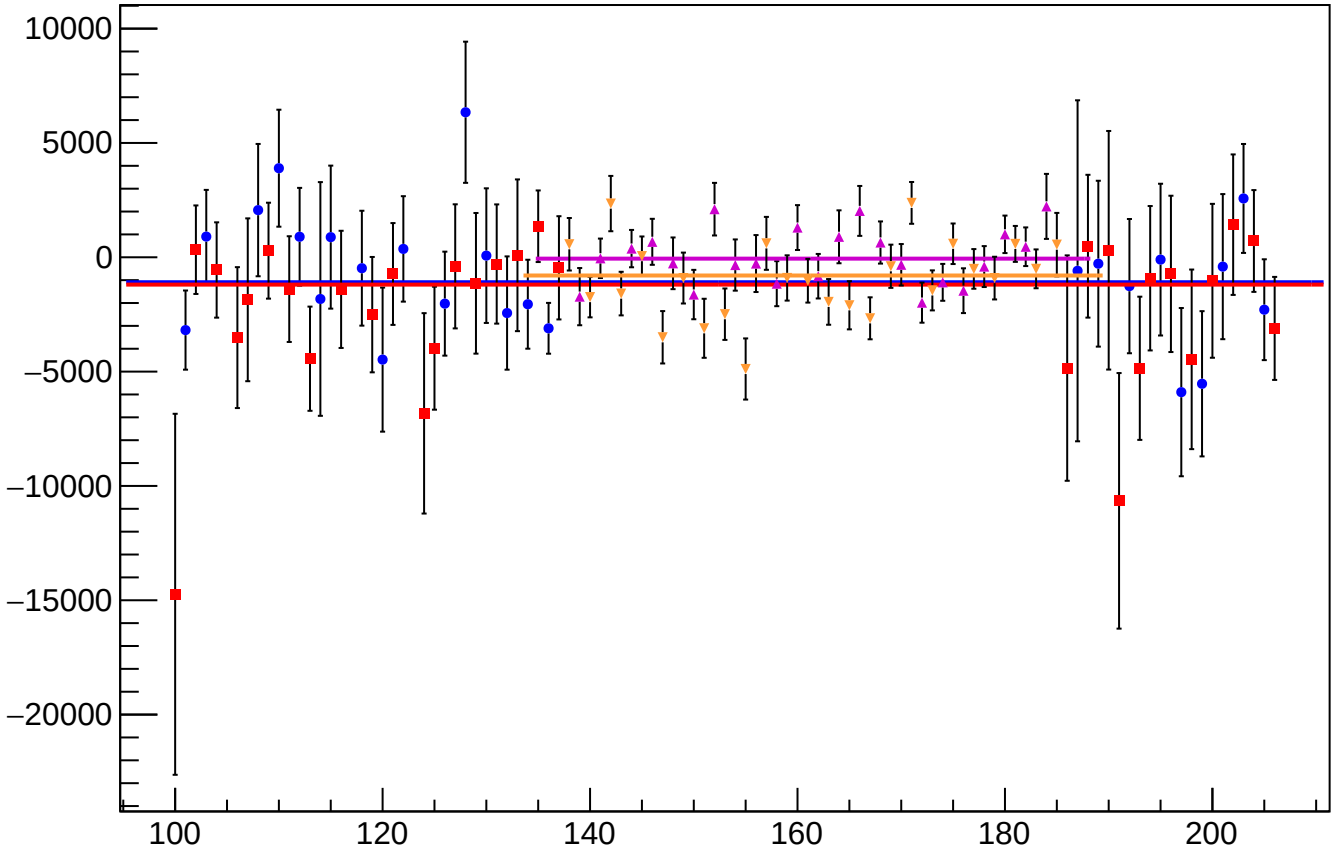
Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.731+/-0.011 χ^2/NDF: 1861120.4/49

All: 85.391+/-0.007 χ^2/NDF: 4436545.7/103

- sign 86.055+/-0.011 χ^2/NDF: 2567531.0/53

asym_sam_24_68_dd_reg_correction_mean vs Slug



Right In: -1091.975+/-484.593 χ^2/NDF: 26.8/24

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1194.896+/-485.198 χ^2/NDF: 21.0/30

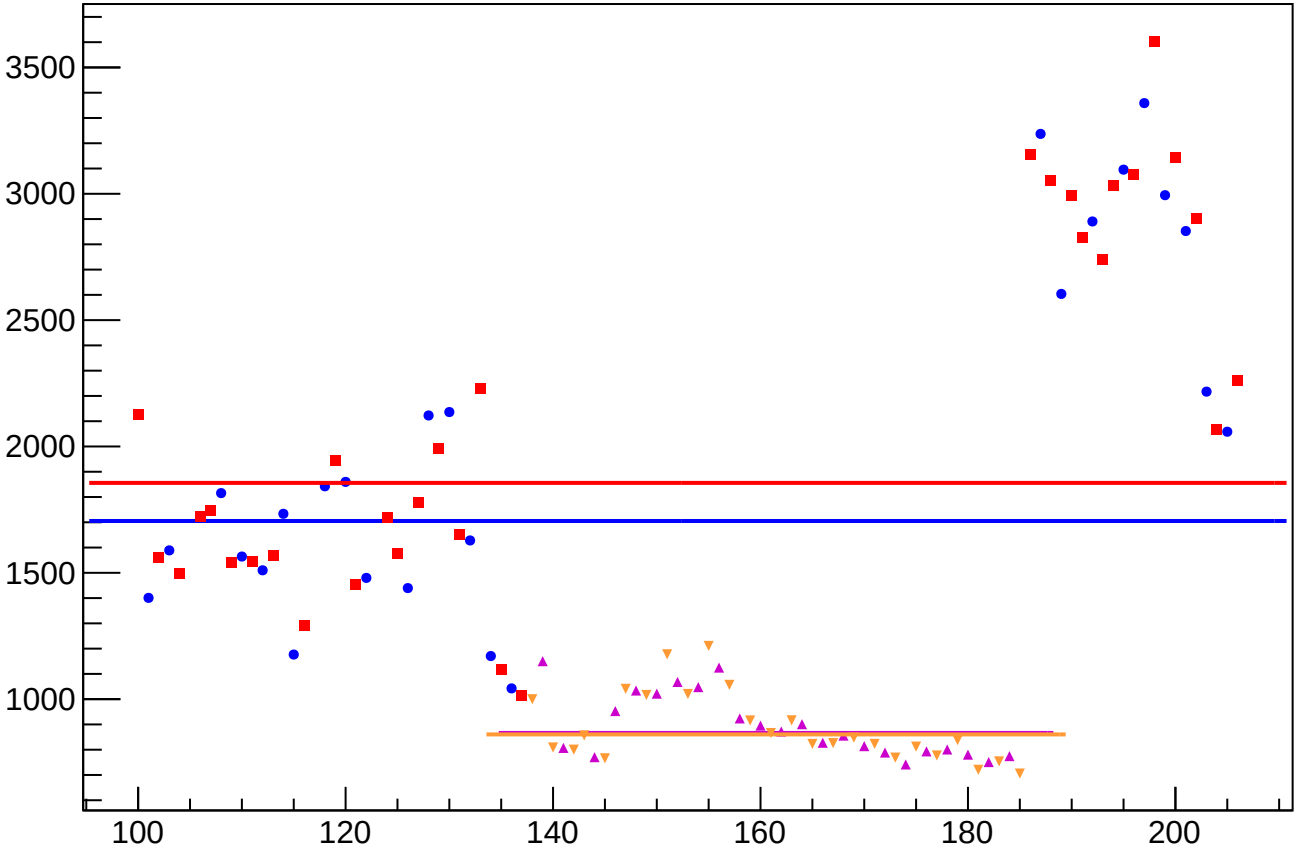
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -839.158+/-183.198 χ^2/NDF: 86.6/49

All: -543.427+/-131.340 χ^2/NDF: 148.0/103

- sign -230.675+/-188.396 χ^2/NDF: 56.1/53

asym_sam_24_68_dd_reg_correction_rms vs Slug



Right In: 1705.118+/-0.343 χ^2/NDF: 3175045.0/24

Left Out: 860.492+/-0.140 χ^2/NDF:699252.0/24

Right Out: 1855.889+/-0.343 χ^2/NDF: 3466595.6/30

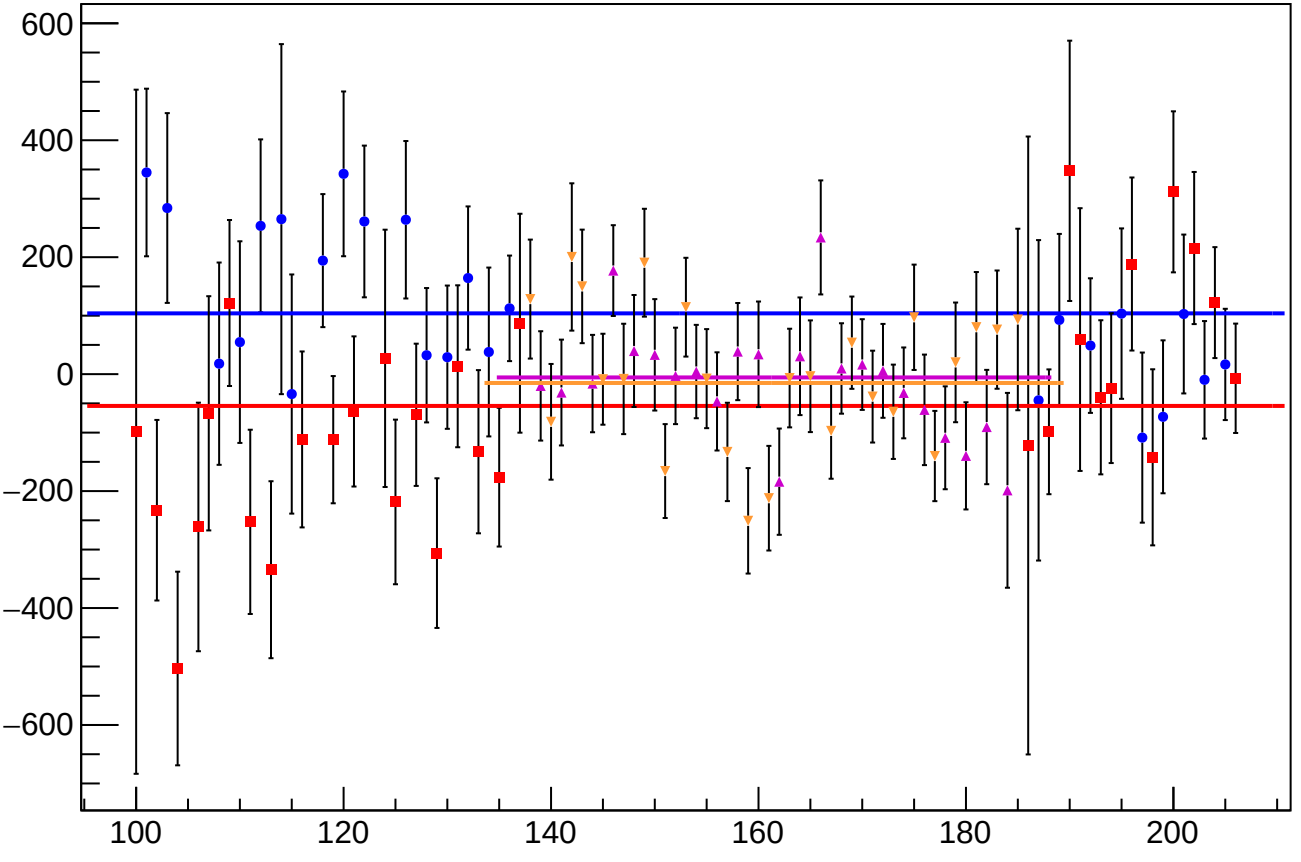
Left In: 866.351+/-0.145 χ^2/NDF:613257.7/22

+ sign 981.205+/-0.130 χ^2/NDF: 9081771.7/49

All: 997.893+/-0.093 χ^2/NDF: 20260293.8/10

- sign 1015.541+/-0.133 χ^2/NDF: 11144376.1/53

cor_asym_sam_24_68_dd_mean vs Slug



Right In: 103.940+/-26.650 χ^2/NDF: 20.4/24

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -54.362+/-25.556 χ^2/NDF: 46.1/30

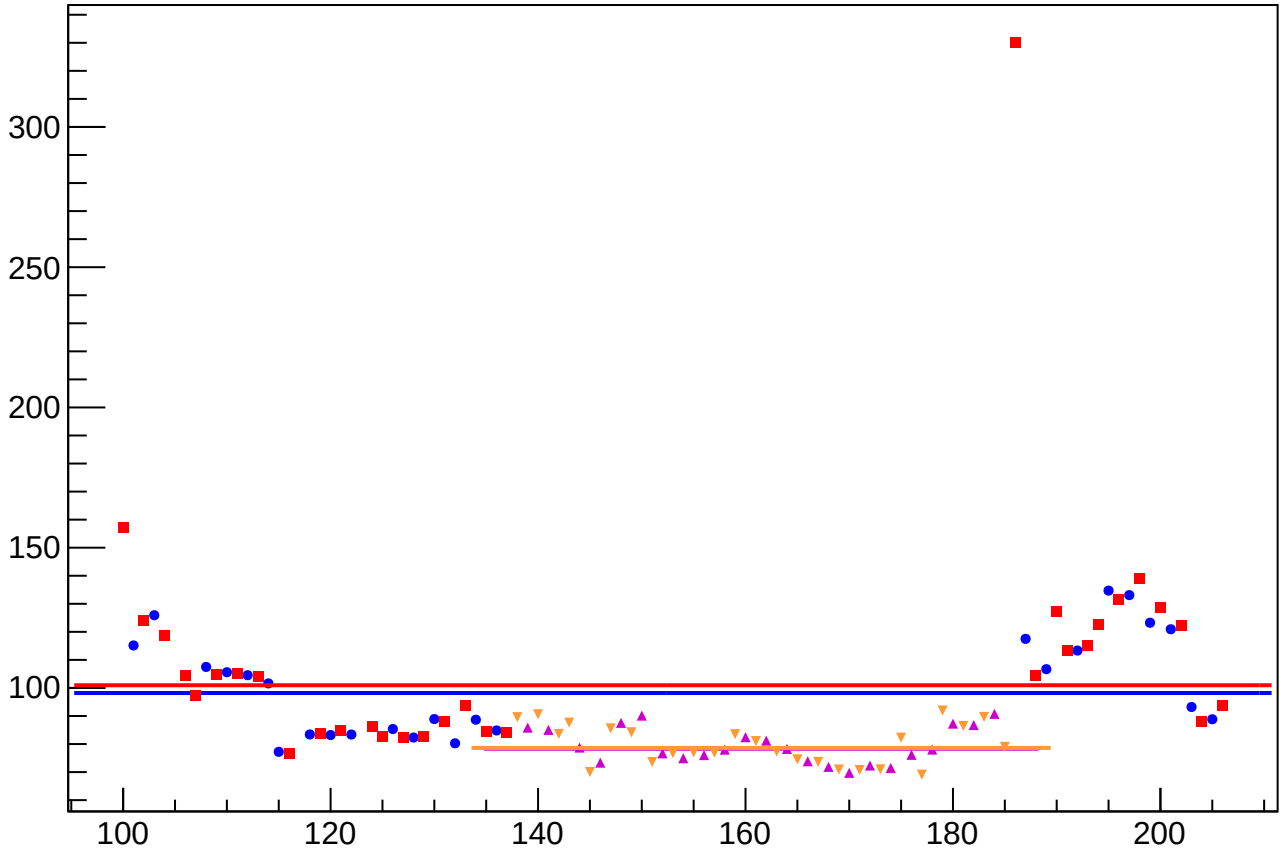
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.072+/-14.892 χ^2/NDF: 75.7/49

All: -0.040+/-10.541 χ^2/NDF: 151.7/103

- sign -22.243+/-14.922 χ^2/NDF: 71.5/53

cor_asym_sam_24_68_dd_rms vs Slug



Right In: 98.193+/-0.019 χ^2/NDF: 811765.0/24

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

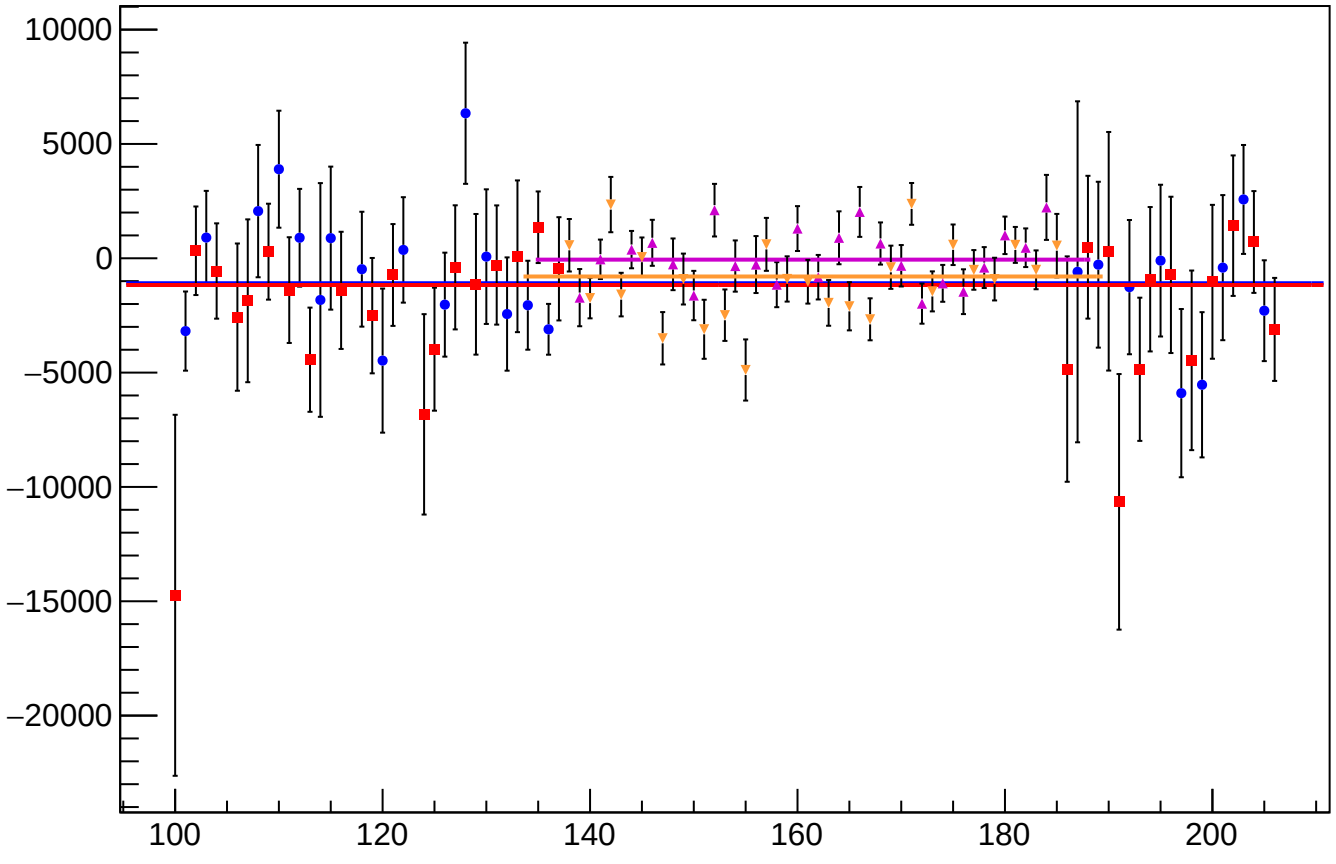
Right Out: 100.960+/-0.018 χ^2/NDF: 1323294.9/30

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.731+/-0.011 χ^2/NDF: 1861122.3/49

All: 85.388+/-0.007 χ^2/NDF: 4434512.2/103

- sign 86.049+/-0.011 χ^2/NDF: 2565572.3/53



Right In: -1091.957+/-484.594 χ^2/NDF: 26.8/24

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

Right Out: -1168.950+/-485.718 χ^2/NDF: 20.6/30

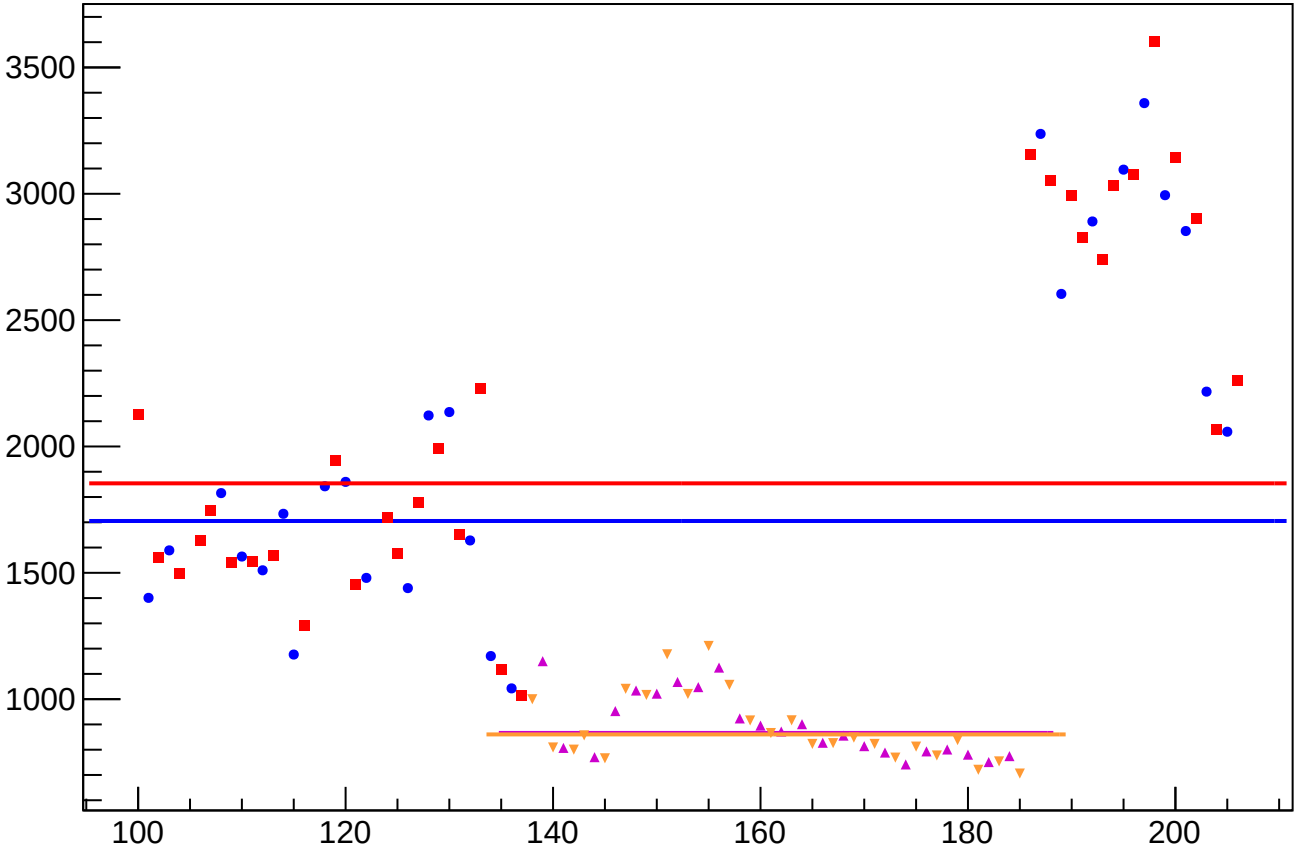
Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -839.154+/-183.198 χ^2/NDF: 86.6/49

All: -541.425+/-131.350 χ^2/NDF: 147.5/103

- sign -226.460+/-188.427 χ^2/NDF: 55.5/53

asym_sam_24_68_dd_cor_correction_rms vs Slug



Right In: 1705.122+/-0.343 χ^2/NDF: 3175038.6/24

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1854.084+/-0.343 χ^2/NDF: 3472557.8/30

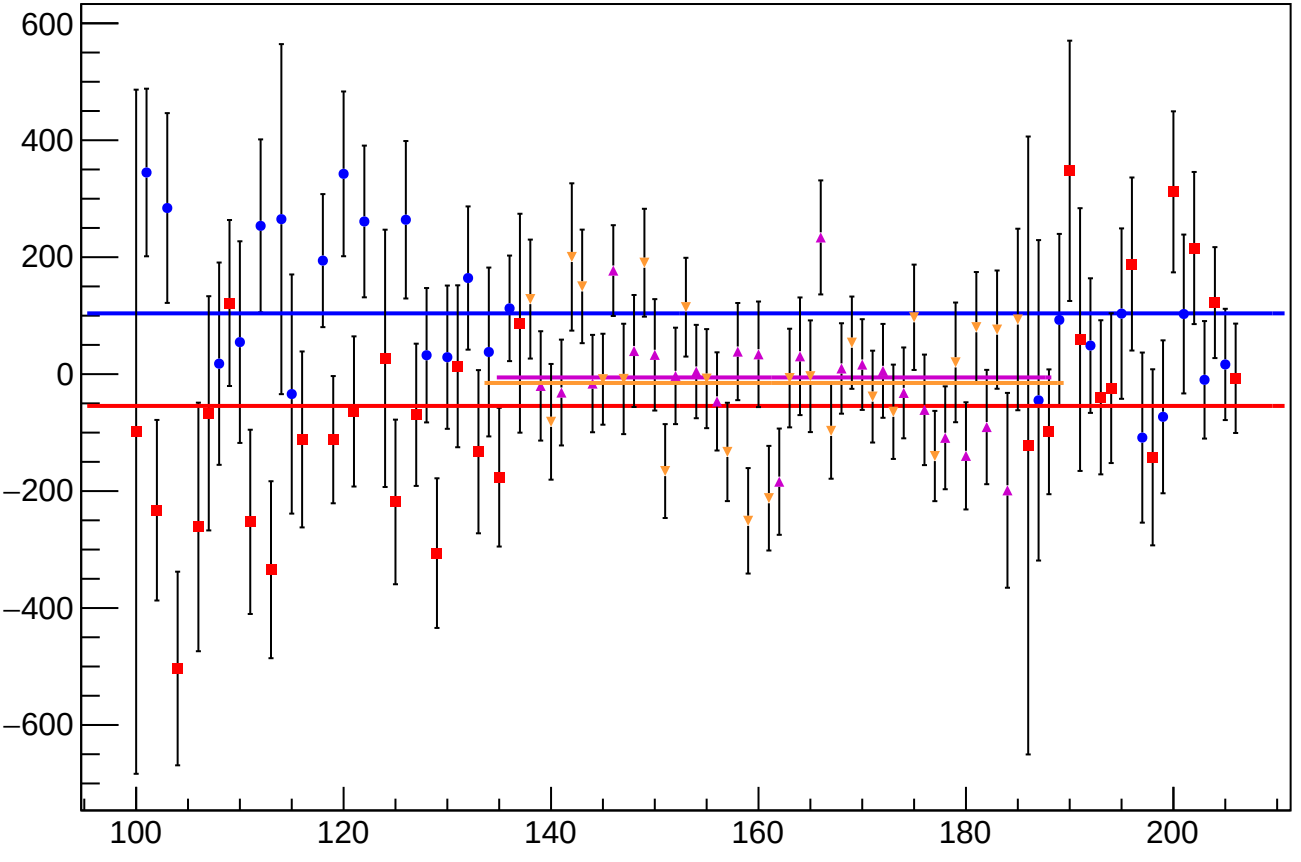
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 981.205+/-0.130 χ^2/NDF: 9081792.1/49

All: 997.627+/-0.093 χ^2/NDF: 20226664.4/10

- sign 1014.999+/-0.133 χ^2/NDF: 11111802.0/53

eigen_cor_asym_sam_24_68_dd_mean vs Slug



Right In: 103.940+/-26.650 χ^2/NDF: 20.4/24

Left Out: -15.098+/-17.957 χ^2/NDF:41.6/24

Right Out: -54.362+/-25.556 χ^2/NDF: 46.1/30

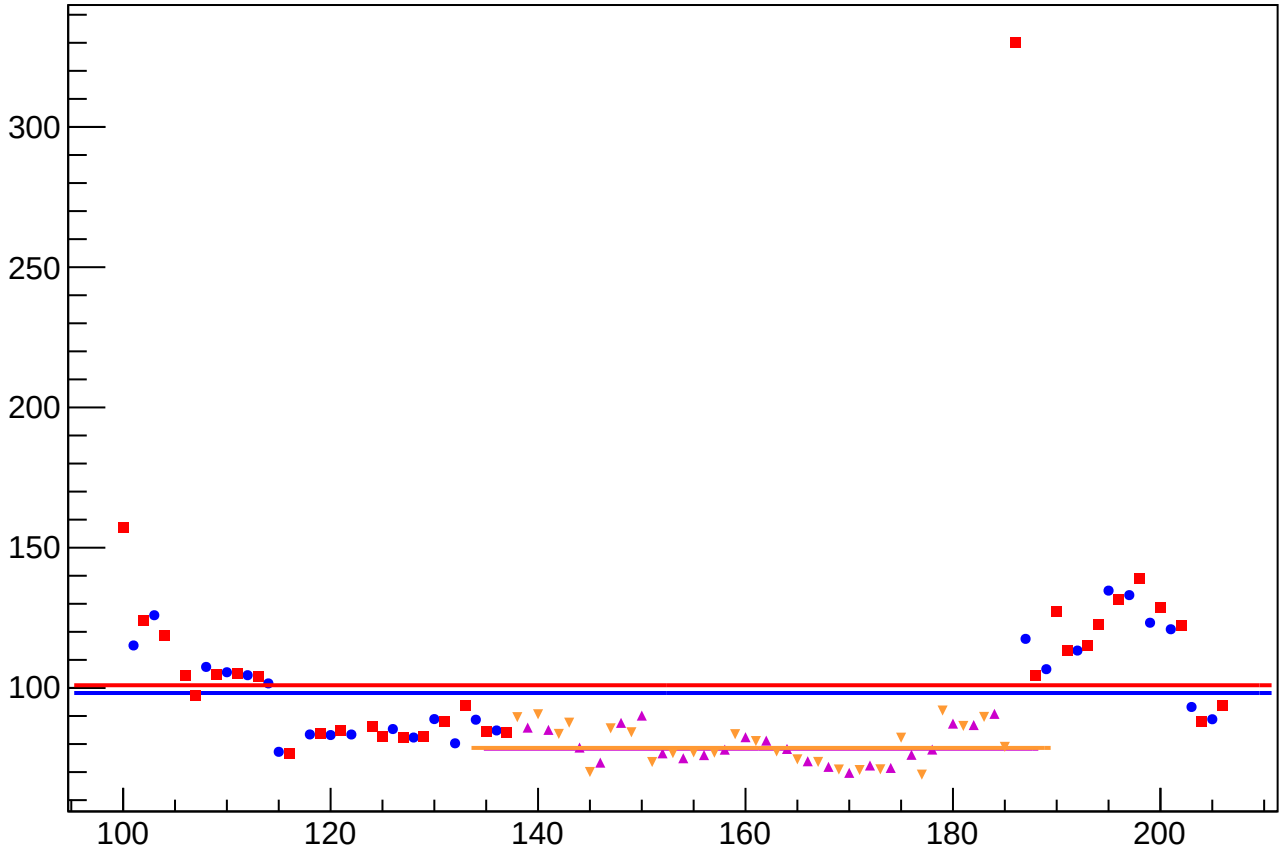
Left In: -5.626+/-18.382 χ^2/NDF:23.0/22

+ sign 22.072+/-14.892 χ^2/NDF: 75.7/49

All: -0.040+/-10.541 χ^2/NDF: 151.7/103

- sign -22.243+/-14.922 χ^2/NDF: 71.5/53

eigen_cor_asym_sam_24_68_dd_rms vs Slug



Right In: 98.193+/-0.019 χ^2/NDF: 811765.0/24

Left Out: 78.618+/-0.013 χ^2/NDF:307235.6/24

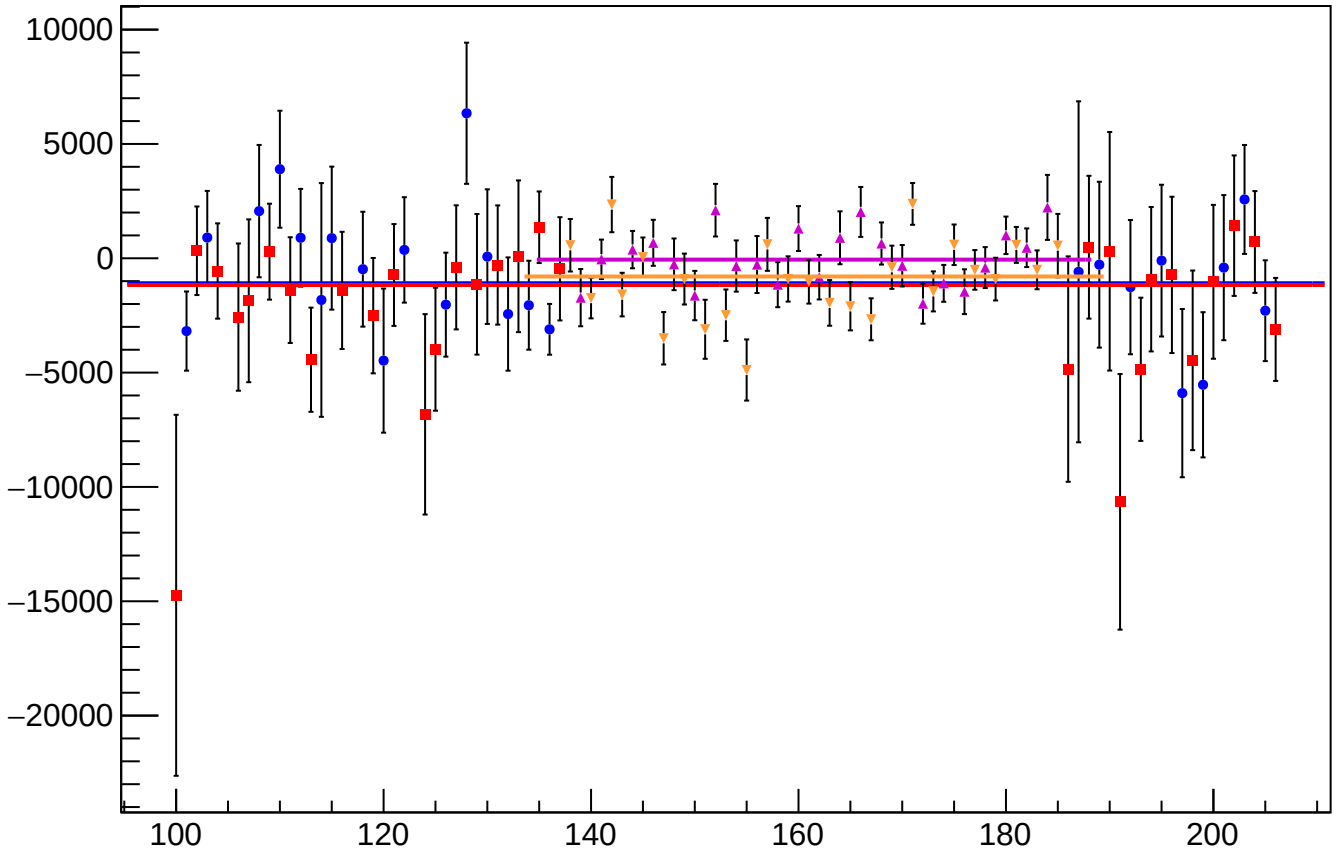
Right Out: 100.960+/-0.018 χ^2/NDF: 1323294.9/30

Left In: 78.334+/-0.013 χ^2/NDF:209146.2/22

+ sign 84.731+/-0.011 χ^2/NDF: 1861122.3/49

All: 85.388+/-0.007 χ^2/NDF: 4434512.2/103

- sign 86.049+/-0.011 χ^2/NDF: 2565572.3/53



Right In: -1091.957+/-484.594 χ^2/NDF: 26.8/24

Left Out: -797.000+/-197.884 χ^2/NDF:59.5/24

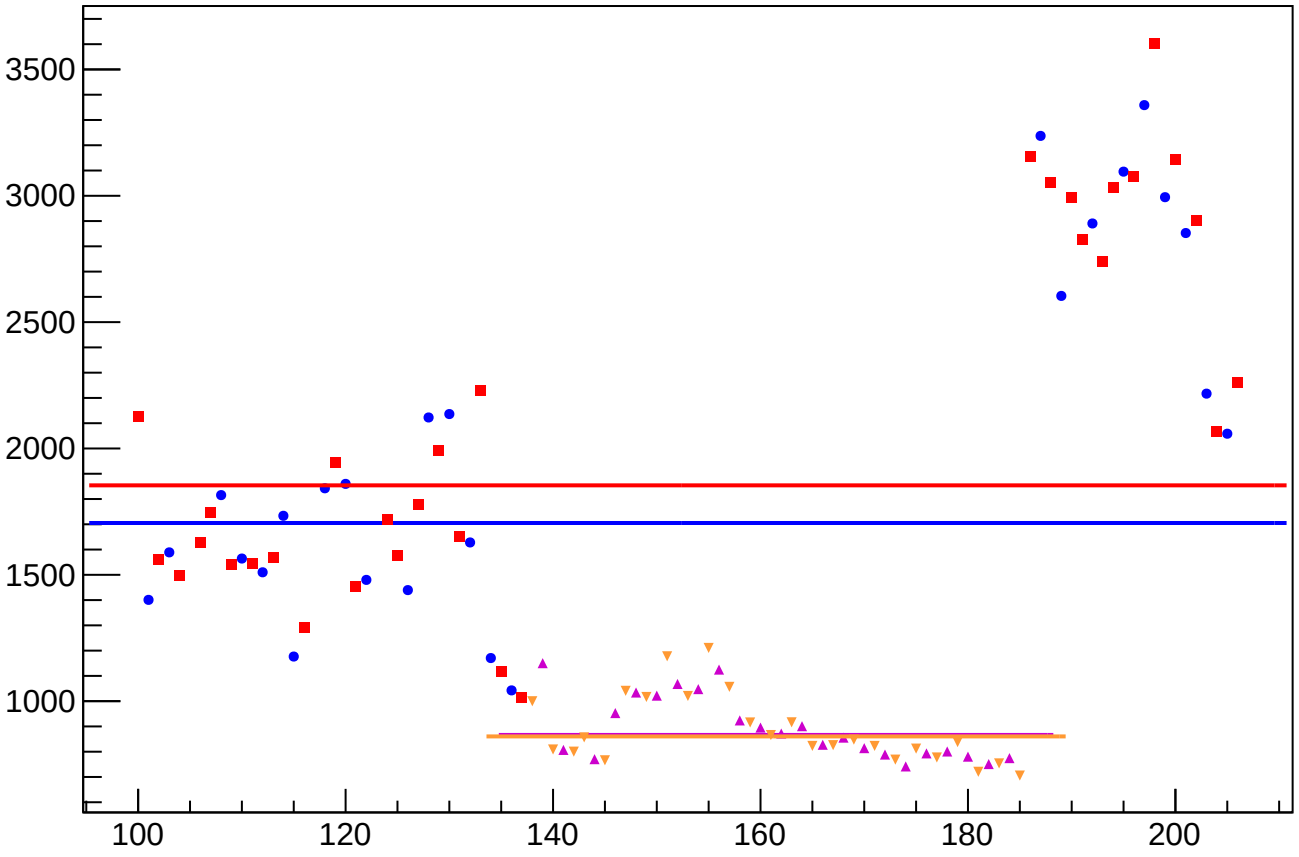
Right Out: -1168.950+/-485.718 χ^2/NDF: 20.6/30

Left In: -59.494+/-204.437 χ^2/NDF:30.5/22

+ sign -839.154+/-183.198 χ^2/NDF: 86.6/49

All: -541.425+/-131.350 χ^2/NDF: 147.5/103

- sign -226.460+/-188.427 χ^2/NDF: 55.5/53



Right In: 1705.122+/-0.343 χ^2/NDF: 3175038.6/24

Left Out: 860.492+/-0.140 χ^2/NDF:699250.7/24

Right Out: 1854.084+/-0.343 χ^2/NDF: 3472557.8/30

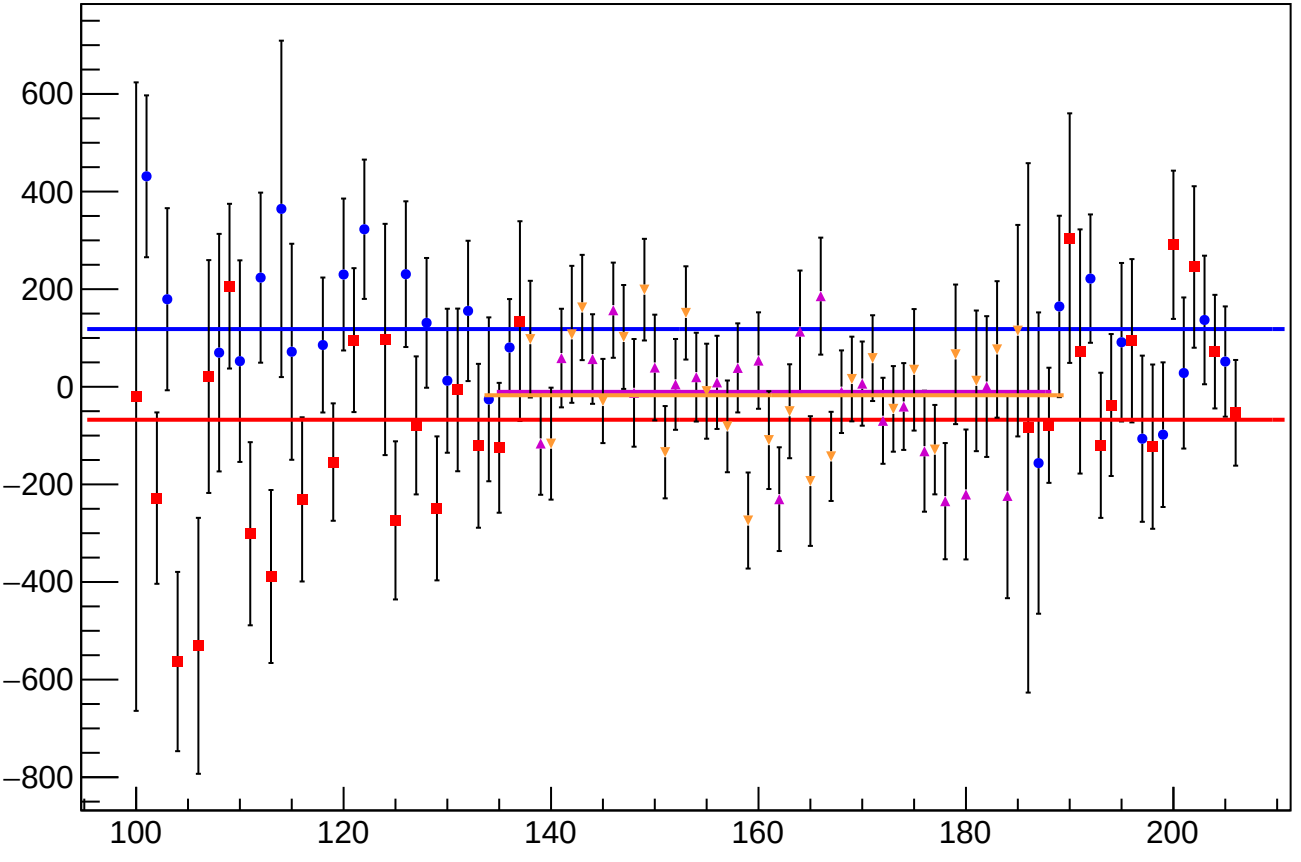
Left In: 866.352+/-0.145 χ^2/NDF:613256.3/22

+ sign 981.205+/-0.130 χ^2/NDF: 9081792.1/49

All: 997.627+/-0.093 χ^2/NDF: 20226664.4/10

- sign 1014.999+/-0.133 χ^2/NDF: 11111802.0/53

dit_asym_sam_24_68_dd_mean vs Slug



Right In: 118.262+/-31.075 χ^2/NDF: 15.5/24

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -67.536+/-29.422 χ^2/NDF: 40.8/30

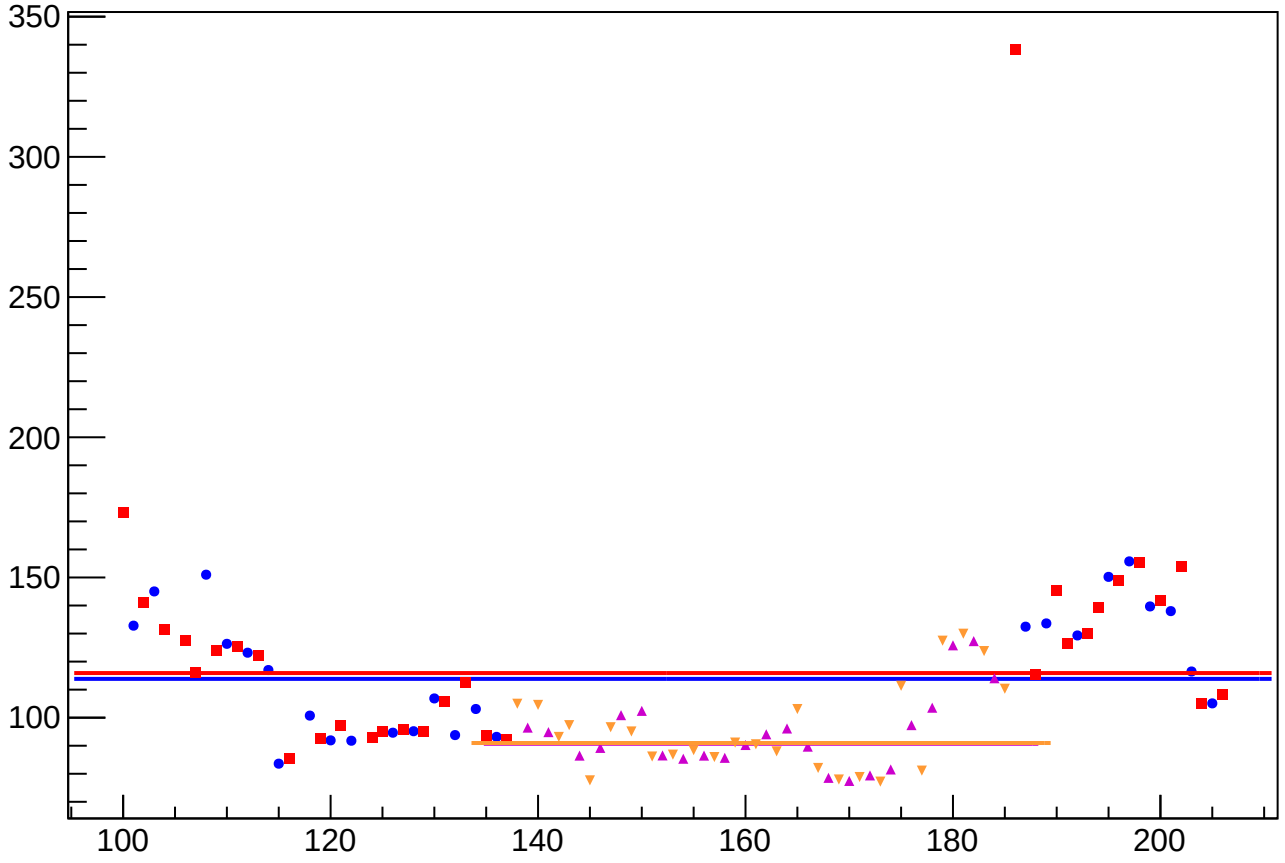
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 25.124+/-17.392 χ^2/NDF: 59.8/49

All: -2.638+/-12.287 χ^2/NDF: 130.7/103

- sign -30.301+/-17.361 χ^2/NDF: 65.9/53

dit_asym_sam_24_68_dd_rms vs Slug



Right In: 113.840+/-0.022 χ^2/NDF: 897034.8/24

Left Out: 90.967+/-0.015 χ^2/NDF:784523.6/24

Right Out: 115.913+/-0.021 χ^2/NDF: 1297527.2/30

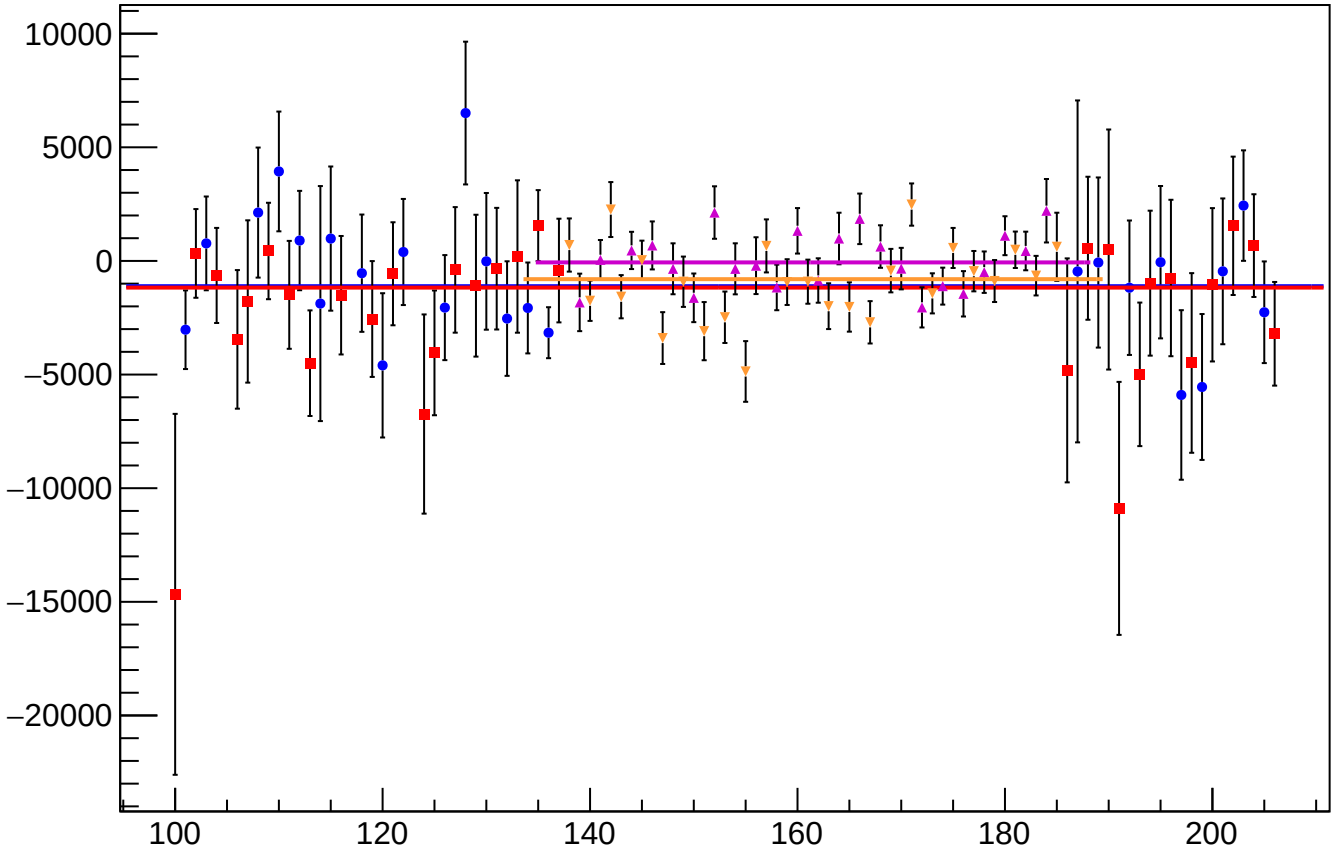
Left In: 90.690+/-0.015 χ^2/NDF:545969.6/22

+ sign 98.132+/-0.012 χ^2/NDF: 2425728.2/49

All: 98.803+/-0.009 χ^2/NDF: 5233248.3/103

- sign 99.472+/-0.012 χ^2/NDF: 2801569.7/53

asym_sam_24_68_dd_dit_correction_mean vs Slug



Right In: -1111.538+/-491.277 χ^2/NDF: 26.2/24

Left Out: -802.532+/-199.851 χ^2/NDF:58.3/24

Right Out: -1173.191+/-490.010 χ^2/NDF: 21.8/30

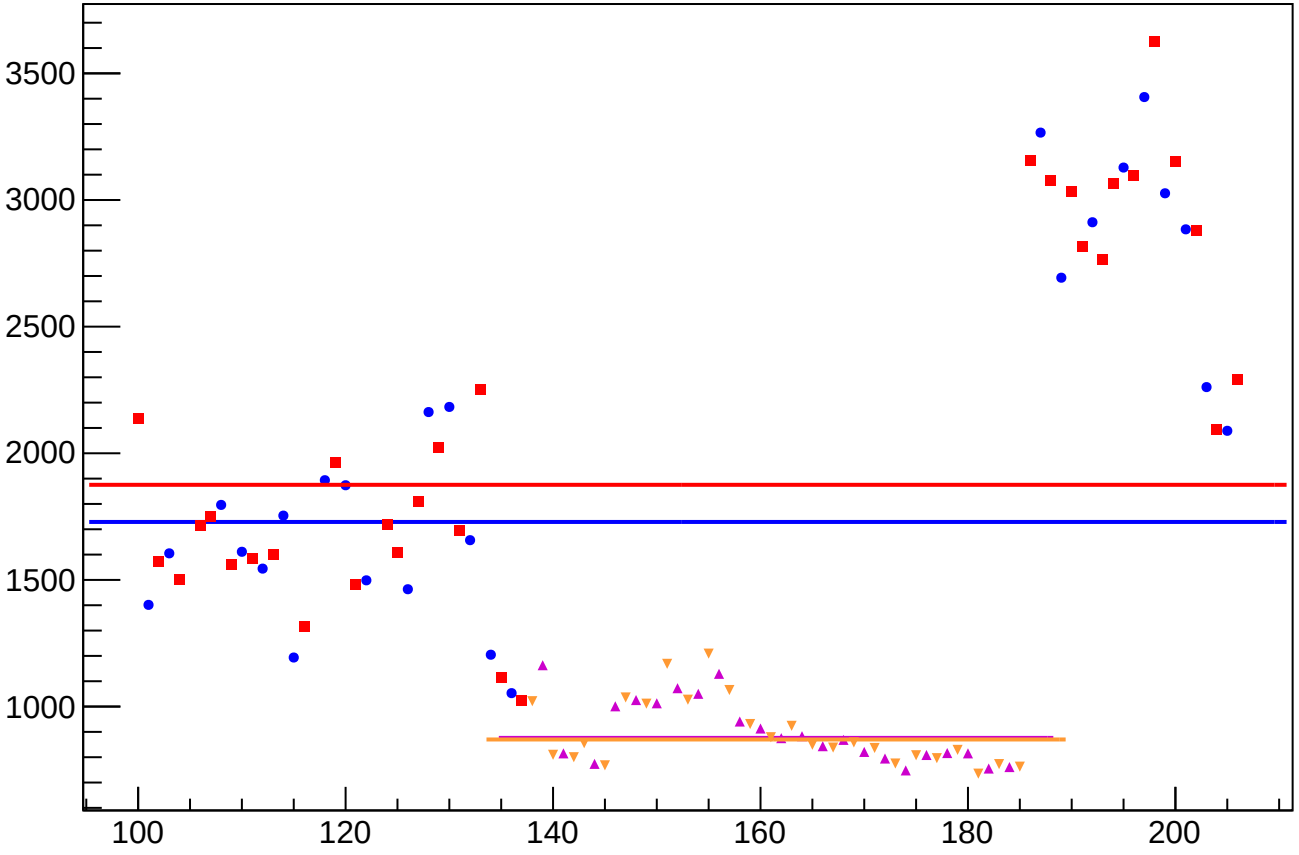
Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -846.407+/-185.120 χ^2/NDF: 84.9/49

All: -548.162+/-132.738 χ^2/NDF: 147.1/103

- sign -232.557+/-190.431 χ^2/NDF: 56.9/53

asym_sam_24_68_dd_dit_correction_rms vs Slug



Right In: 1728.890+/-0.347 χ^2/NDF: 3185992.7/24

Left Out: 870.009+/-0.141 χ^2/NDF:647274.1/24

Right Out: 1875.498+/-0.346 χ^2/NDF: 3441857.7/30

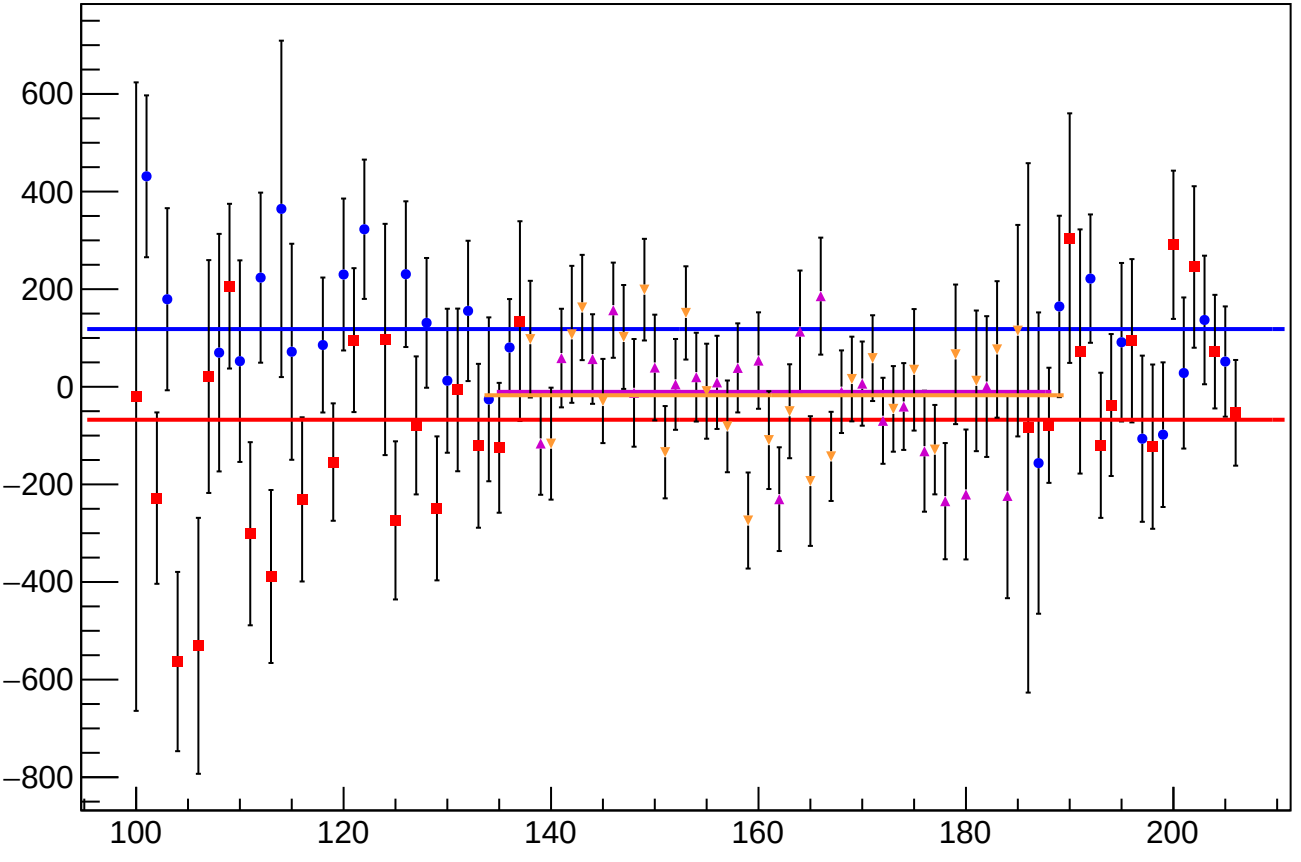
Left In: 876.273+/-0.146 χ^2/NDF:597200.7/22

+ sign 991.960+/-0.131 χ^2/NDF: 9078159.5/49

All: 1009.075+/-0.094 χ^2/NDF: 20212950.3/1

- sign 1027.187+/-0.135 χ^2/NDF: 11099602.5/53

eigen_dit_asym_sam_24_68_dd_mean vs Slug



Right In: 118.264+/-31.075 χ^2/NDF: 15.5/24

Left Out: -17.356+/-20.987 χ^2/NDF:31.2/24

Right Out: -67.536+/-29.422 χ^2/NDF: 40.8/30

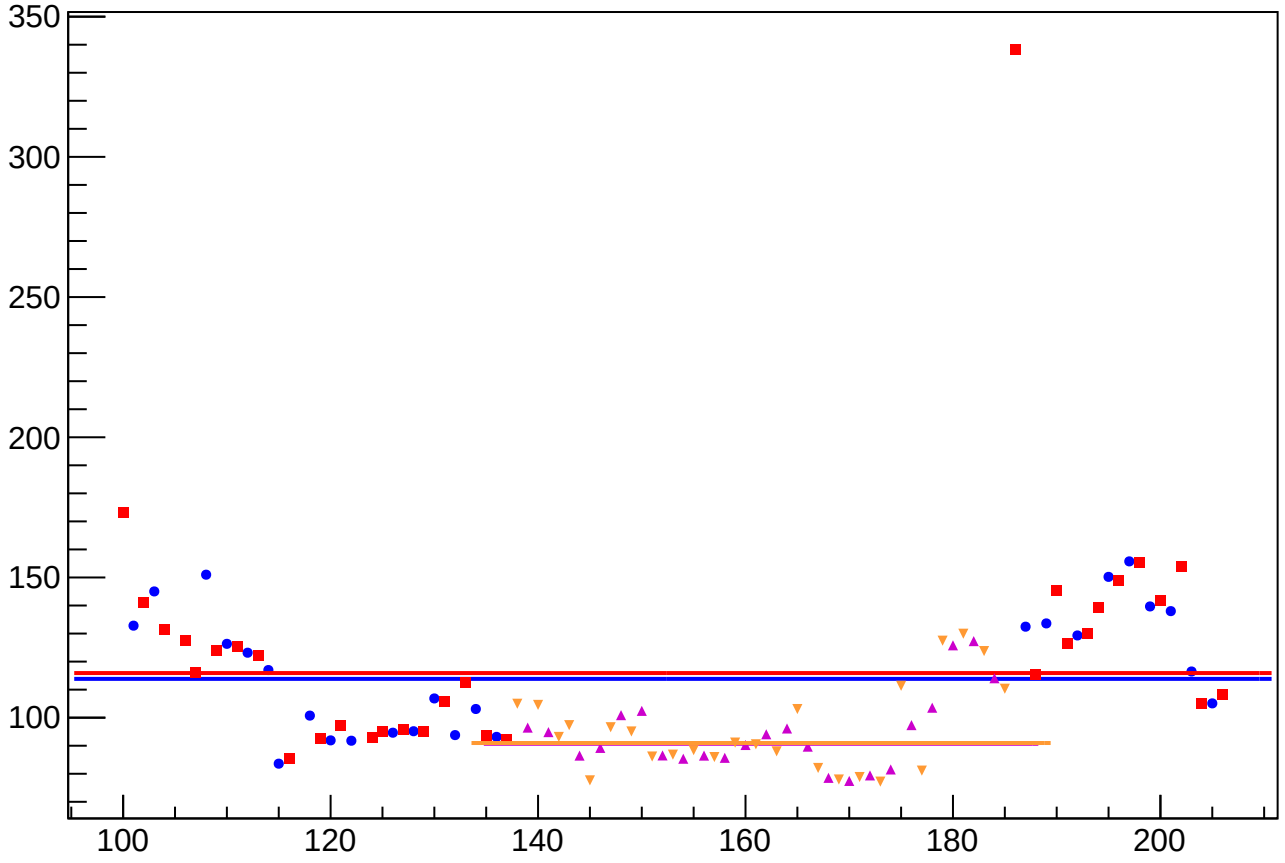
Left In: -10.412+/-21.503 χ^2/NDF:22.6/22

+ sign 25.125+/-17.392 χ^2/NDF: 59.8/49

All: -2.638+/-12.287 χ^2/NDF: 130.7/103

- sign -30.301+/-17.361 χ^2/NDF: 65.9/53

eigen_dit_asym_sam_24_68_dd_rms vs Slug



Right In: 113.839+/-0.022 χ^2/NDF: 897056.7/24

Left Out: 90.967+/-0.015 χ^2/NDF:784529.9/24

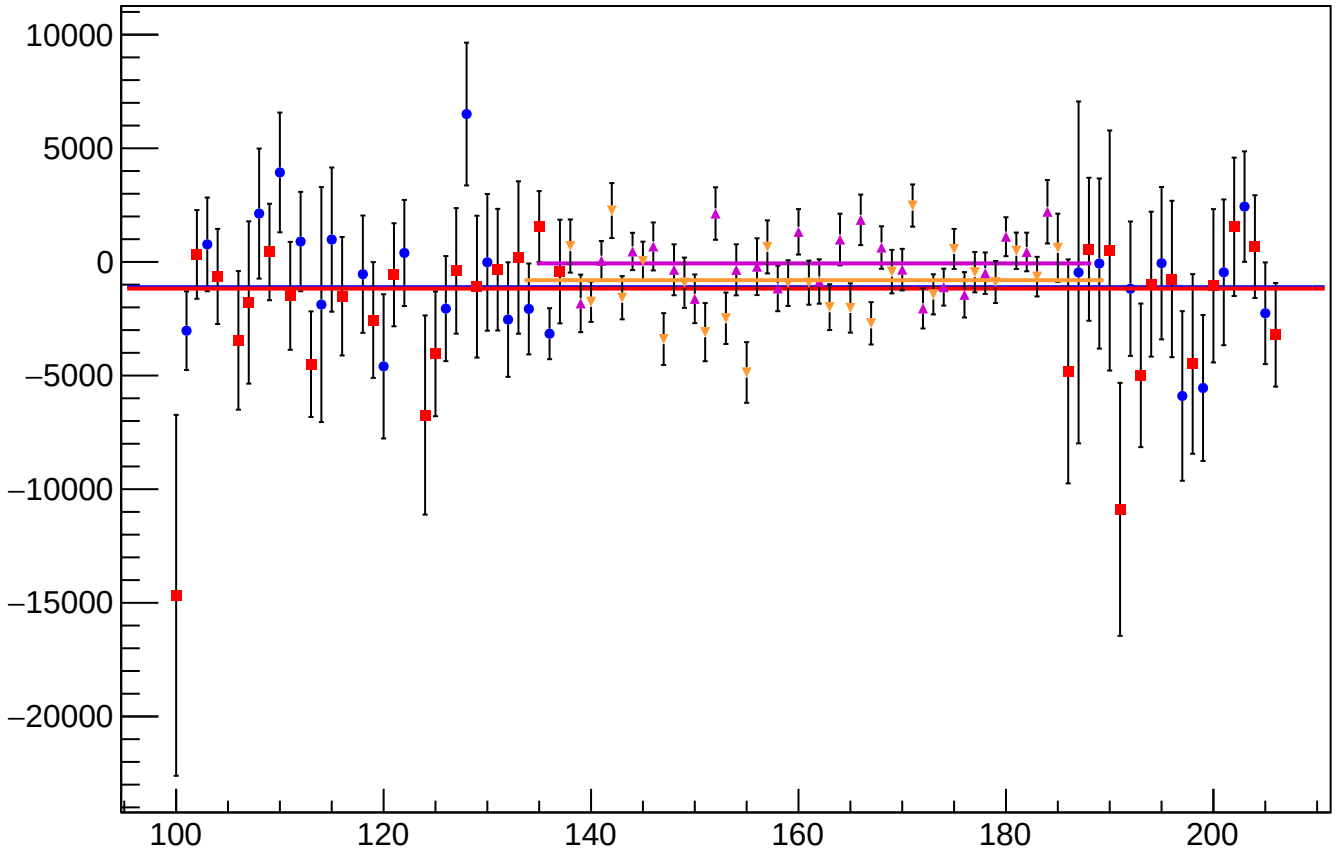
Right Out: 115.912+/-0.021 χ^2/NDF: 1297549.8/30

Left In: 90.690+/-0.015 χ^2/NDF:545960.7/22

+ sign 98.131+/-0.012 χ^2/NDF: 2425704.1/49

All: 98.803+/-0.009 χ^2/NDF: 5233207.0/103

- sign 99.472+/-0.012 χ^2/NDF: 2801553.0/53



Right In: -1111.534+/-491.276 χ^2/NDF: 26.2/24

Left Out: -802.531+/-199.851 χ^2/NDF:58.3/24

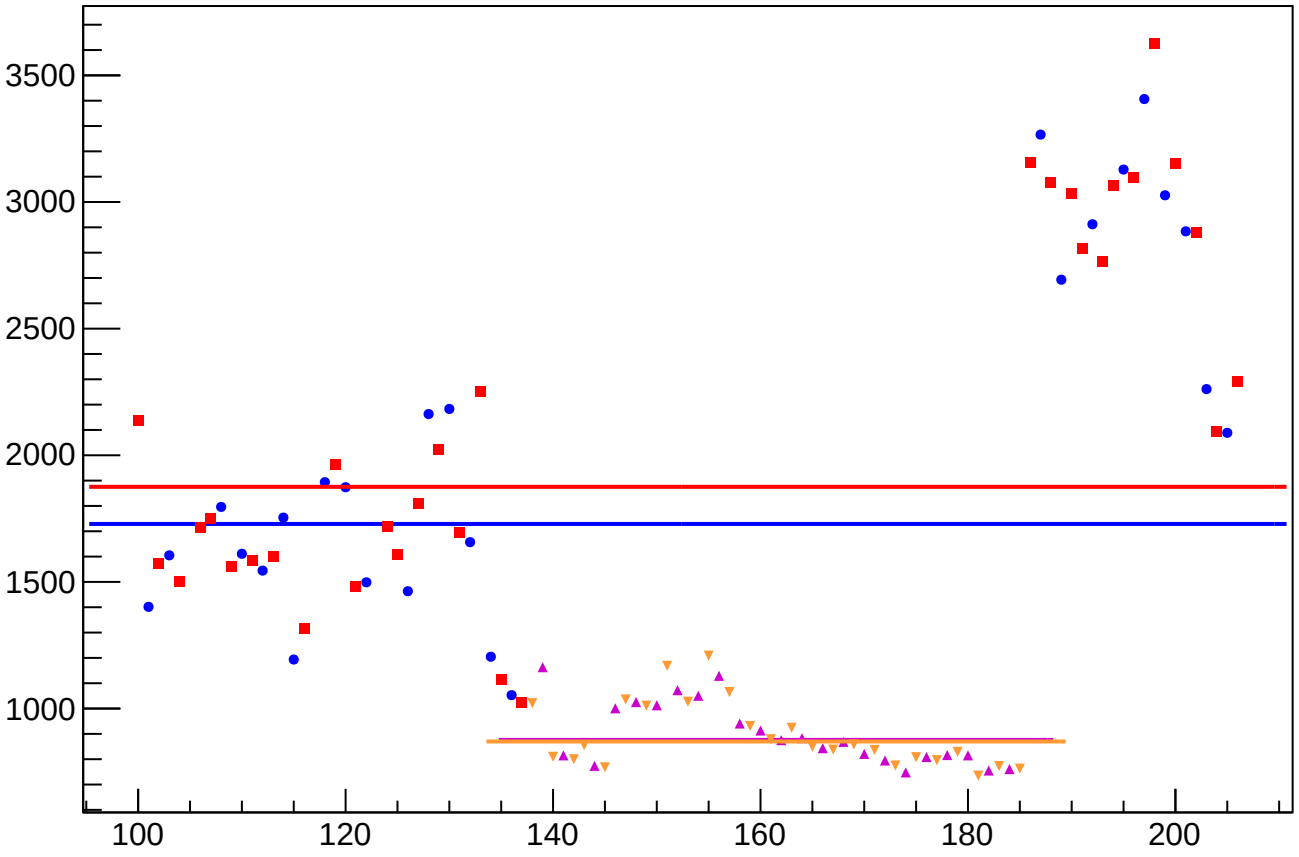
Right Out: -1173.190+/-490.009 χ^2/NDF: 21.8/30

Left In: -65.218+/-206.677 χ^2/NDF:30.7/22

+ sign -846.406+/-185.120 χ^2/NDF: 84.9/49

All: -548.162+/-132.737 χ^2/NDF: 147.1/103

- sign -232.557+/-190.431 χ^2/NDF: 56.9/53



Right In: 1728.887+/-0.347 χ^2/NDF: 3185997.3/24

Left Out: 870.008+/-0.141 χ^2/NDF:647275.9/24

Right Out: 1875.495+/-0.346 χ^2/NDF: 3441868.7/30

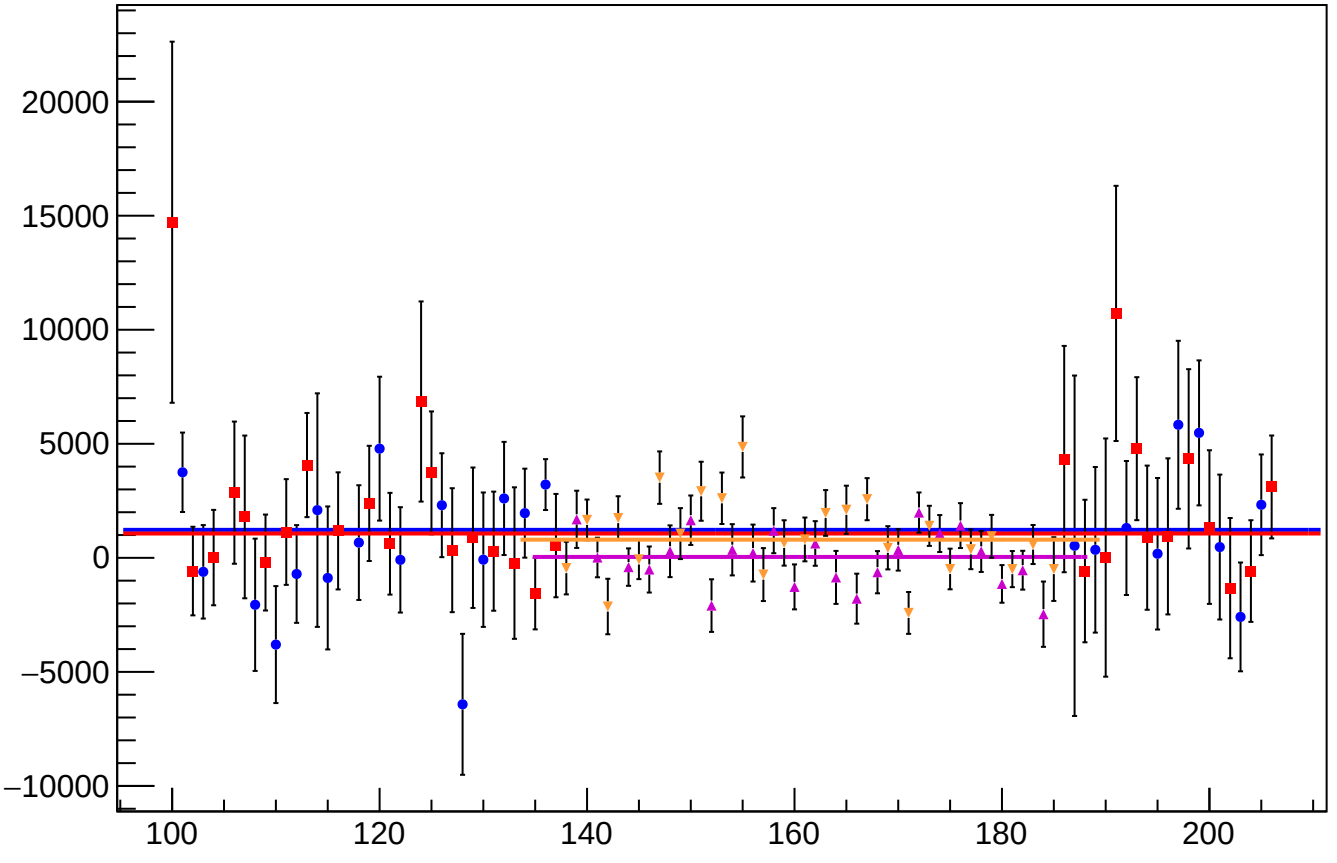
Left In: 876.272+/-0.146 χ^2/NDF:597200.9/22

+ sign 991.959+/-0.131 χ^2/NDF: 9078154.9/49

All: 1009.075+/-0.094 χ^2/NDF: 20212944.1/1

- sign 1027.186+/-0.135 χ^2/NDF: 11099601.2/53

asym_sam_24_68_dd_mean vs Slug



Right In: 1227.661+/-485.732 χ^2/NDF: 27.5/24

Left Out: 796.287+/-198.802 χ^2/NDF:57.2/24

Right Out: 1066.592+/-486.244 χ^2/NDF: 20.4/30

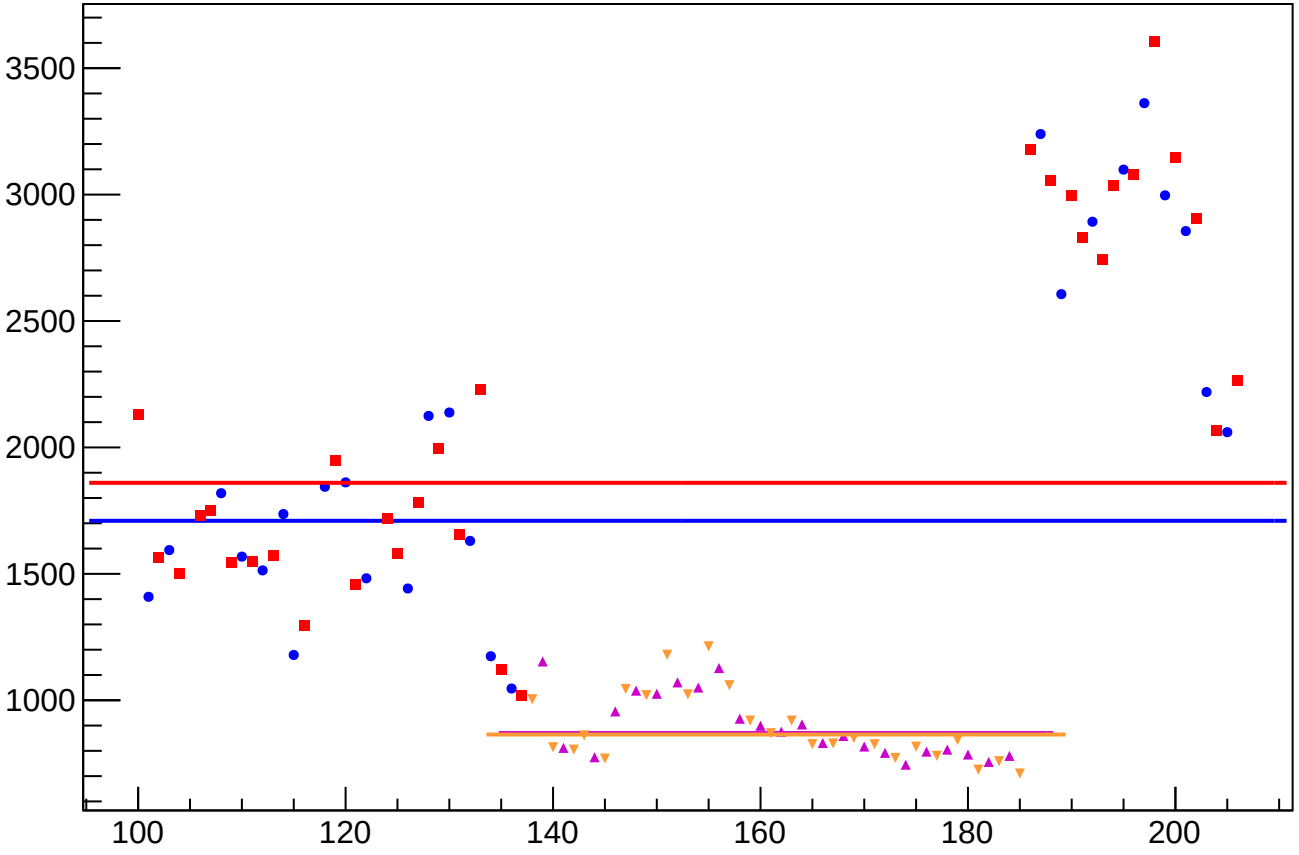
Left In: 39.746+/-205.349 χ^2/NDF:29.7/22

+ sign 858.180+/-183.988 χ^2/NDF: 85.4/49

All: 535.881+/-131.894 χ^2/NDF: 145.7/103

- sign 195.166+/-189.172 χ^2/NDF: 53.9/53

asym_sam_24_68_dd_rms vs Slug



Right In: 1709.761+/-0.343 χ^2/NDF: 3157784.7/24

Left Out: 864.637+/-0.141 χ^2/NDF:688948.2/24

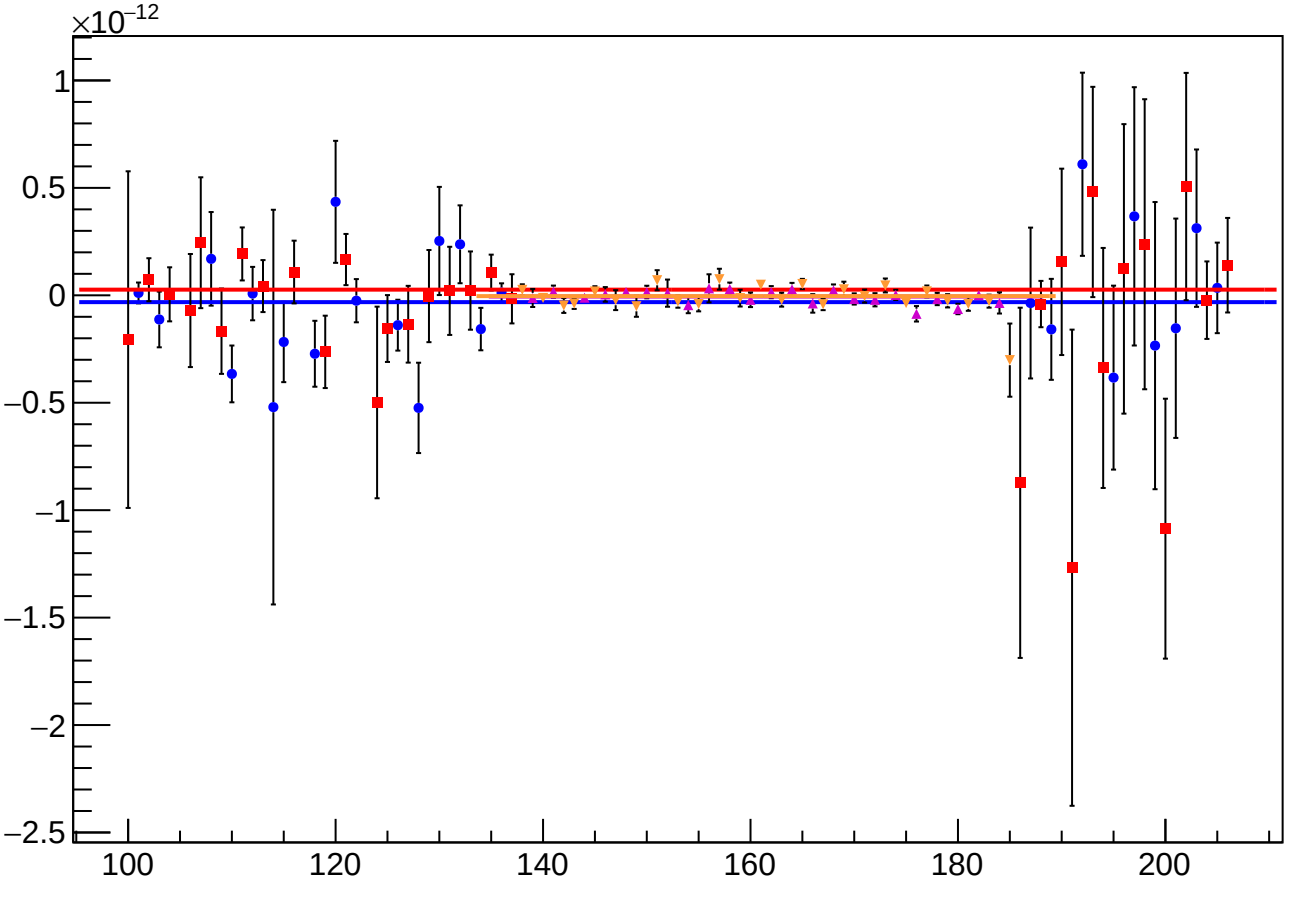
Right Out: 1860.076+/-0.344 χ^2/NDF: 3453968.0/30

Left In: 870.346+/-0.145 χ^2/NDF:604520.6/22

+ sign 985.894+/-0.130 χ^2/NDF: 9032540.8/49

All: 1002.545+/-0.093 χ^2/NDF: 20156730.9/1

- sign 1020.149+/-0.134 χ^2/NDF: 11090490.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 32.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:38.7/24

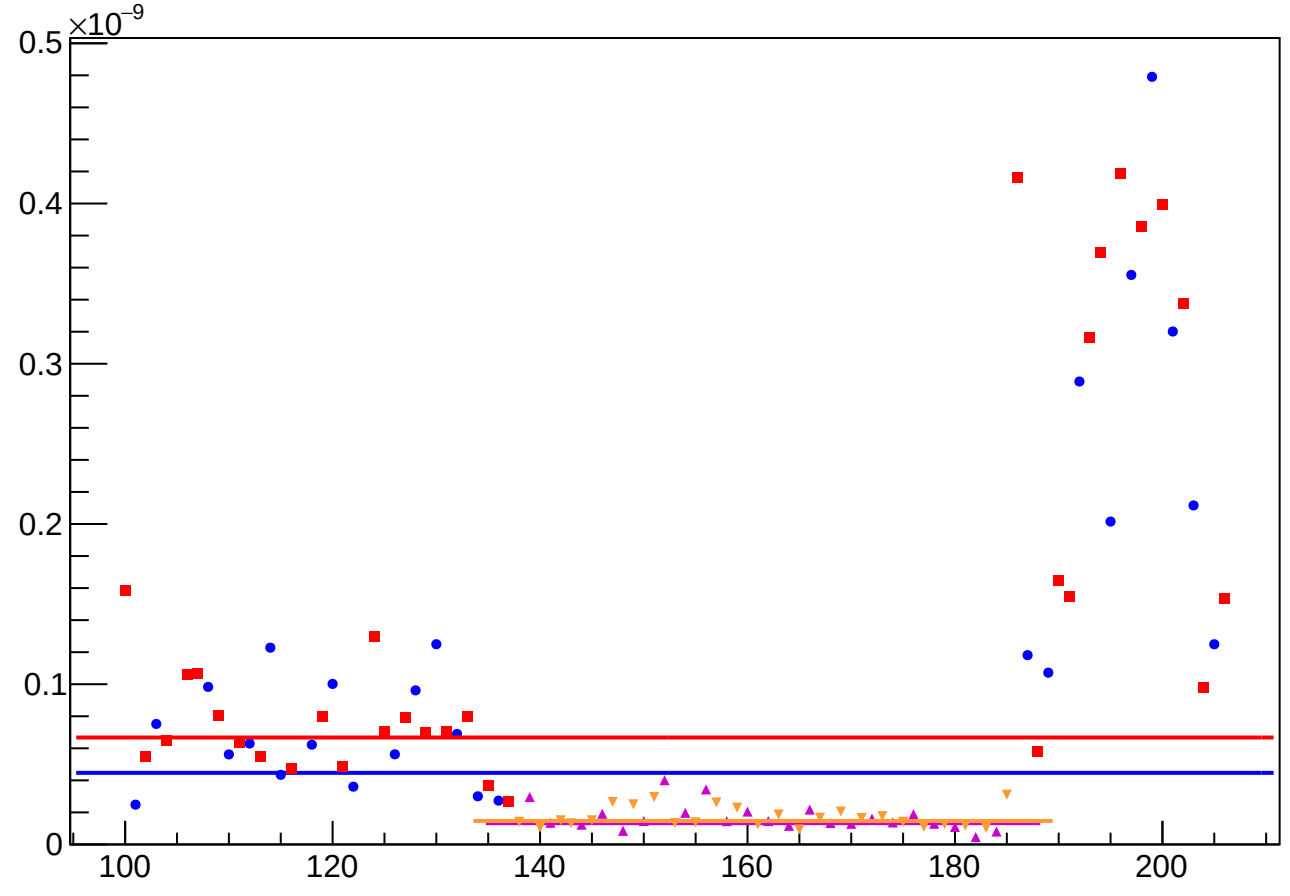
Right Out: 0.000+/-0.000 χ^2/NDF: 22.0/30

Left In: -0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 72.2/49

All: -0.000+/-0.000 χ^2/NDF: 115.9/103

- sign -0.000+/-0.000 χ^2/NDF: 43.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 5326115.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1073691.3/24

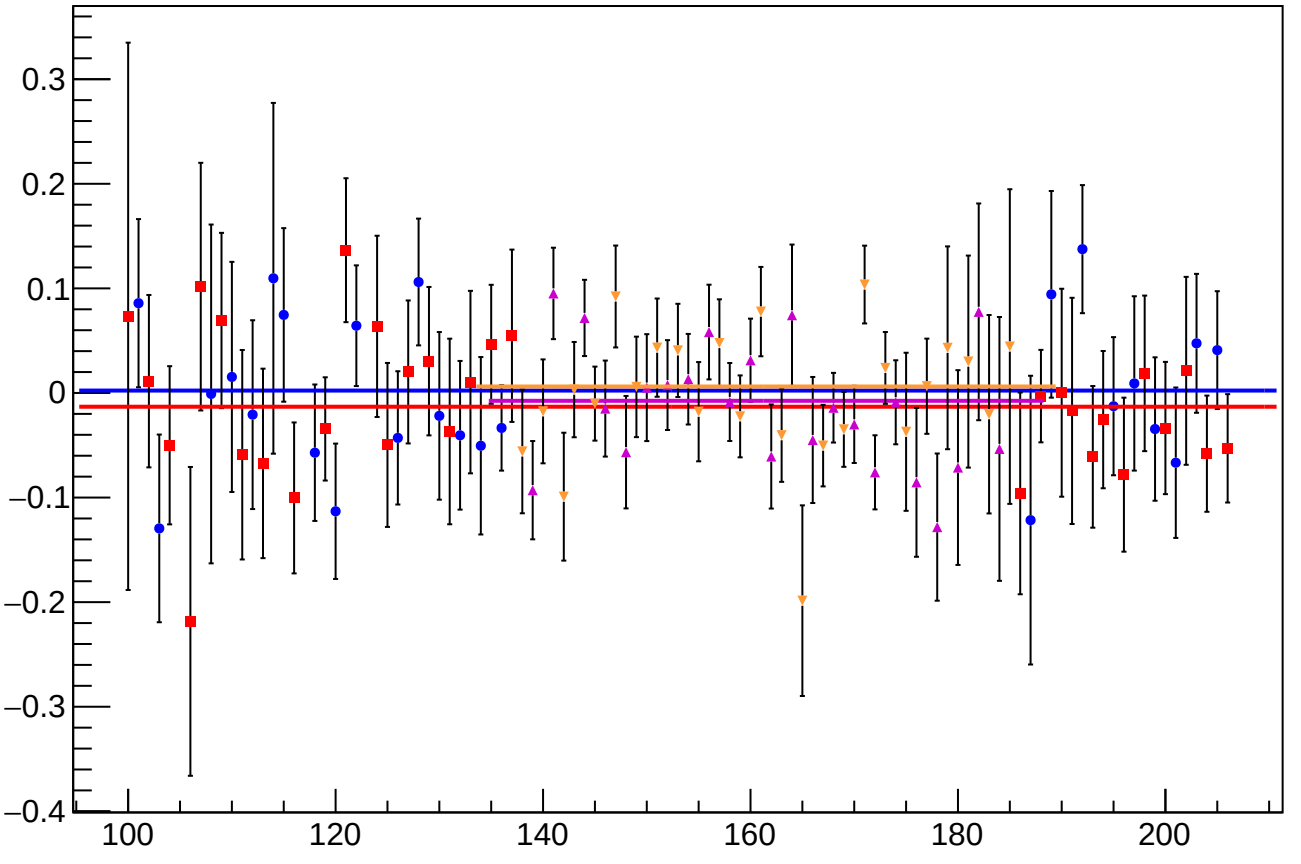
Right Out: 0.000+/-0.000 χ^2/NDF: 4920424.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1970835.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9240474.7/49

All: 0.000+/-0.000 χ^2/NDF: 21897130.9/103

- sign 0.000+/-0.000 χ^2/NDF: 12616583.9/53



Right In: 0.002+/-0.014 χ^2/NDF: 23.4/24

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

Right Out: -0.013+/-0.013 χ^2/NDF: 18.6/30

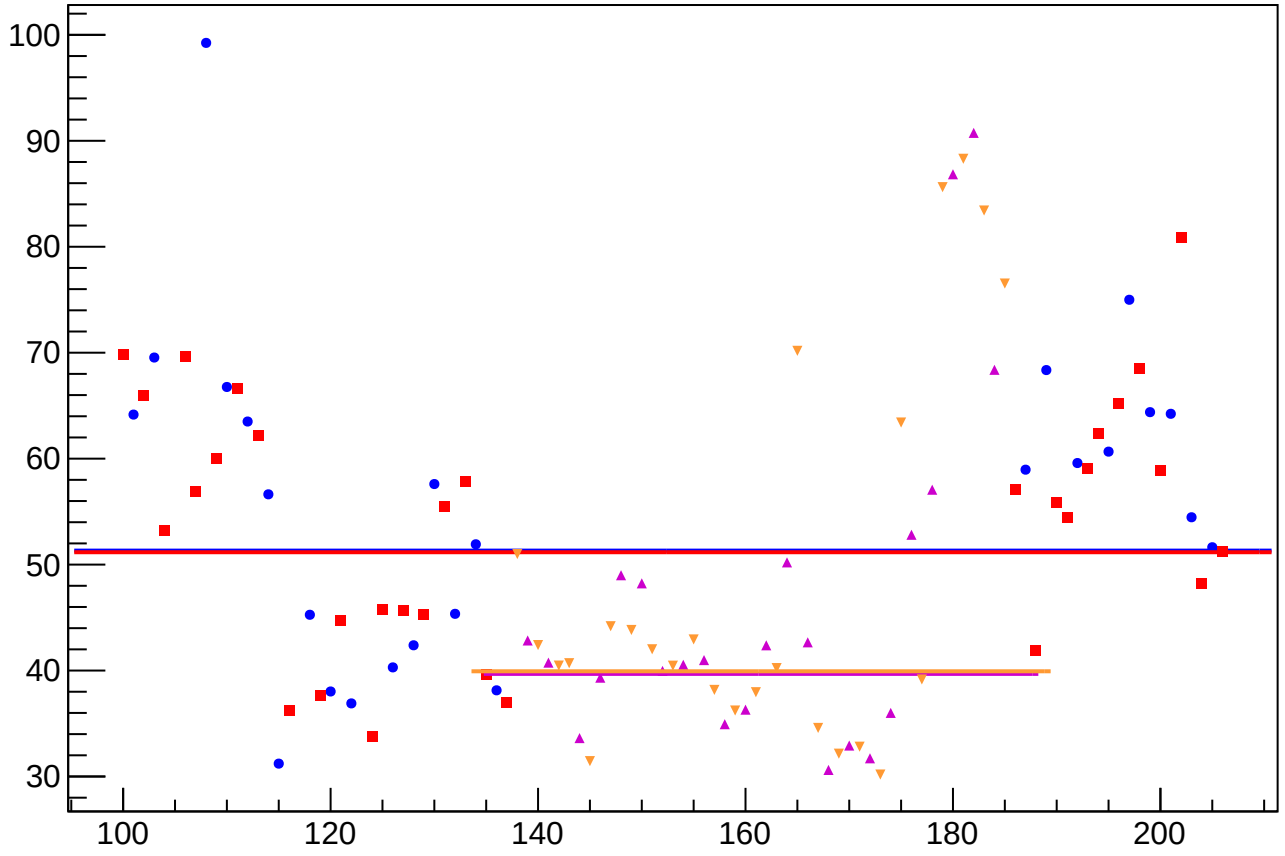
Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.3/49

All: -0.002+/-0.006 χ^2/NDF: 105.1/103

- sign -0.009+/-0.008 χ^2/NDF: 49.1/53

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs Slug



Right In: 51.320+/-0.010 χ^2/NDF: 1514230.5/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

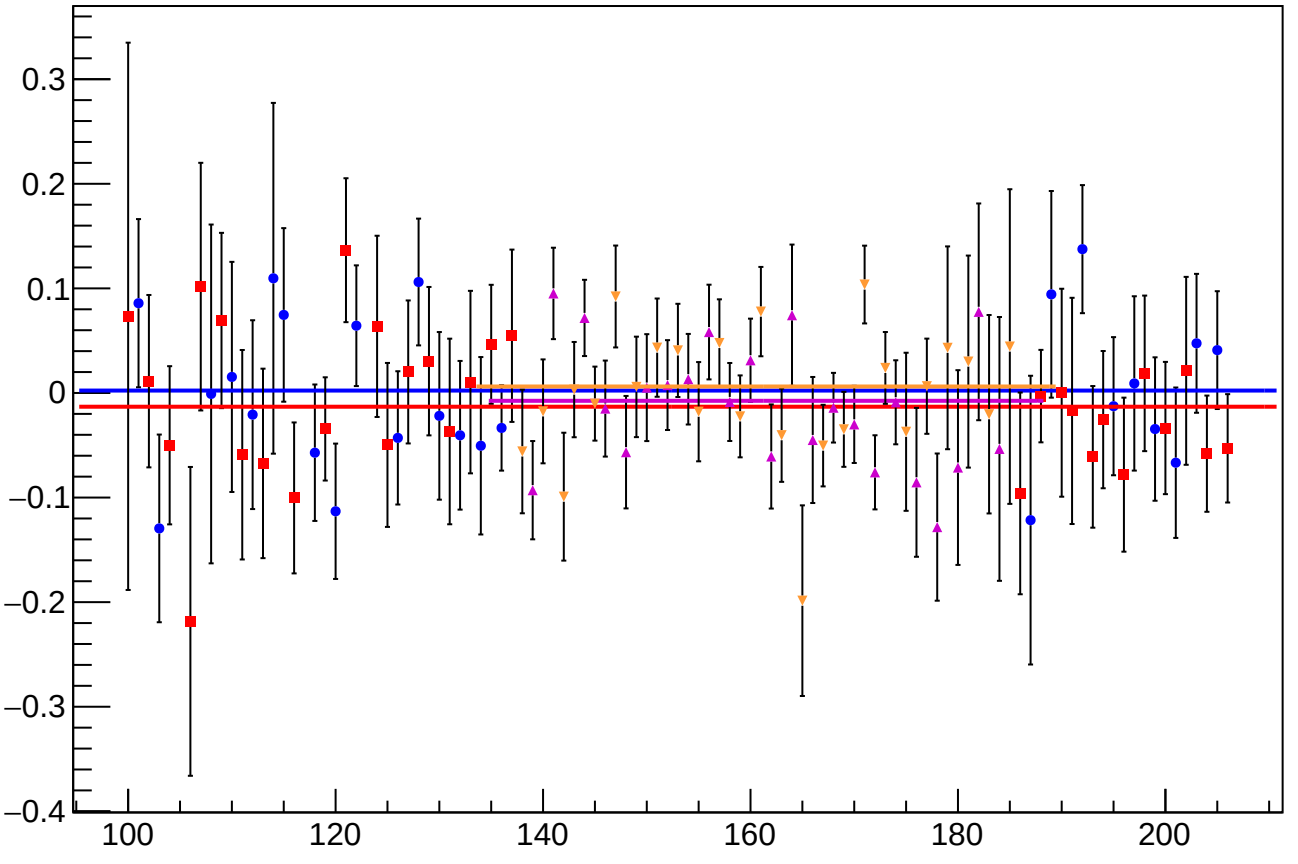
Right Out: 51.168+/-0.009 χ^2/NDF: 1361176.3/30

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.425+/-0.006 χ^2/NDF: 4858714.5/49

All: 43.593+/-0.004 χ^2/NDF: 9115686.0/103

- sign 43.756+/-0.006 χ^2/NDF: 4255225.6/53



Right In: 0.002+/-0.014 χ^2/NDF: 23.4/24

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

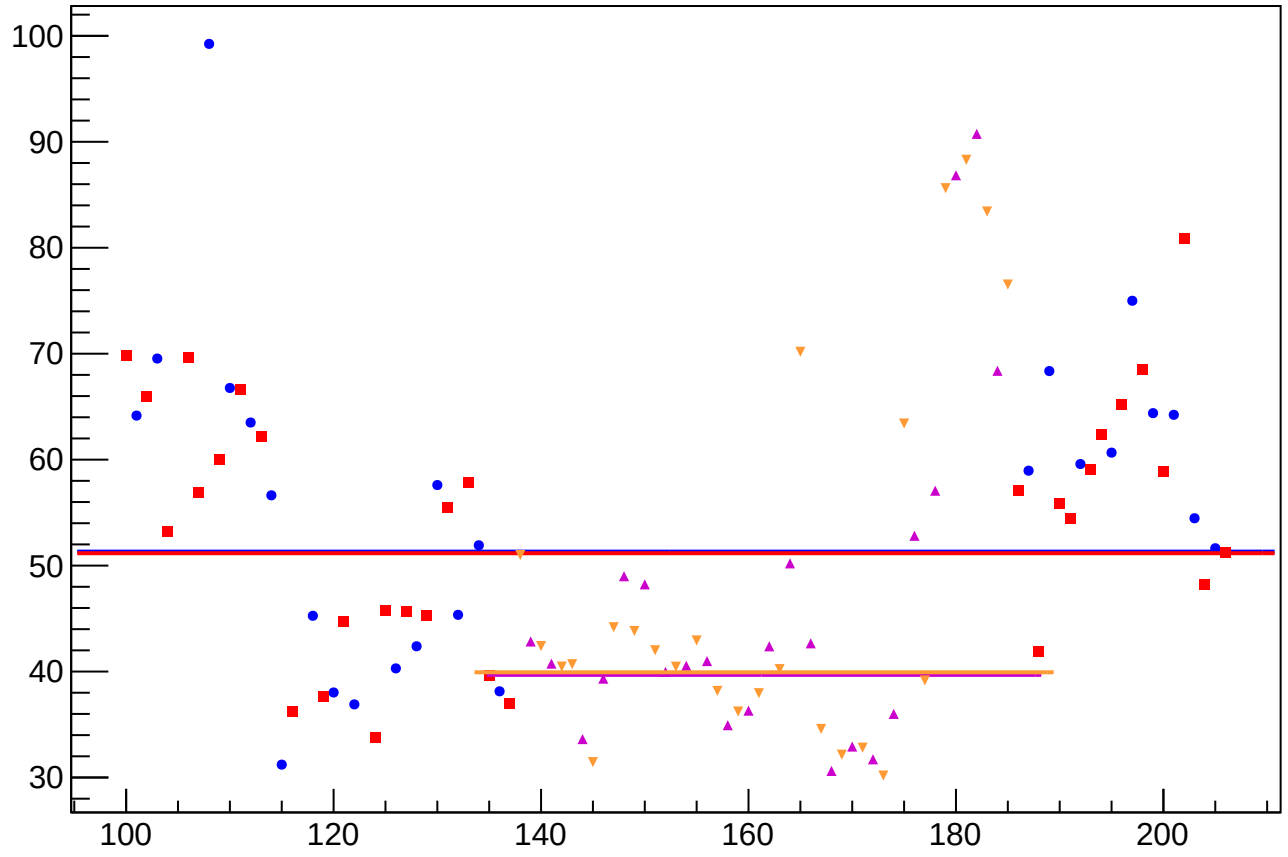
Right Out: -0.013+/-0.013 χ^2/NDF: 18.6/30

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.3/49

All: -0.002+/-0.006 χ^2/NDF: 105.1/103

- sign -0.009+/-0.008 χ^2/NDF: 49.1/53



Right In: 51.320+/-0.010 χ^2/NDF: 1514230.5/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475485.4/24

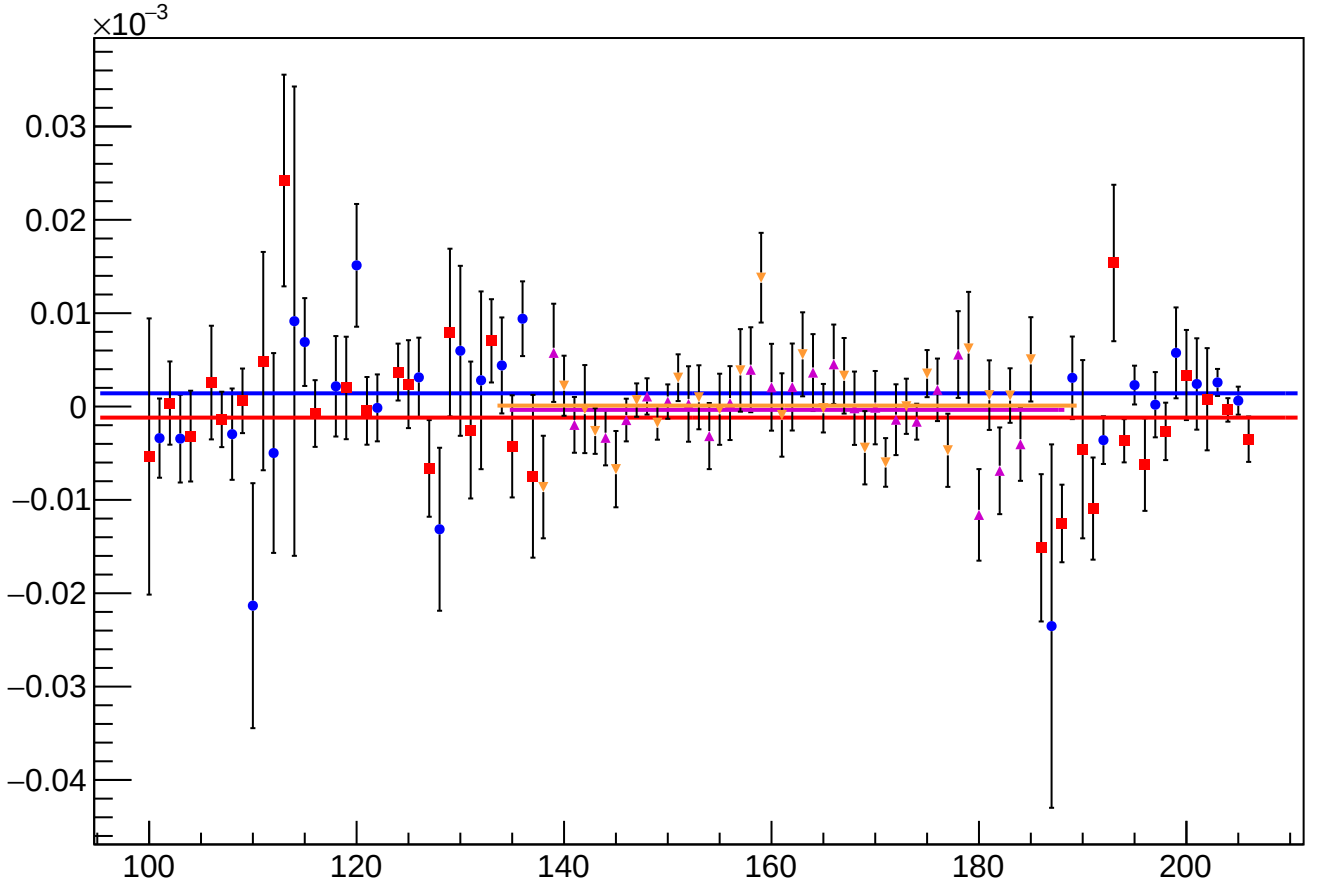
Right Out: 51.168+/-0.009 χ^2/NDF: 1361176.3/30

Left In: 39.686+/-0.007 χ^2/NDF:1915871.4/22

+ sign 43.425+/-0.006 χ^2/NDF: 4858714.5/49

All: 43.593+/-0.004 χ^2/NDF: 9115686.0/103

- sign 43.756+/-0.006 χ^2/NDF: 4255225.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:33.2/24

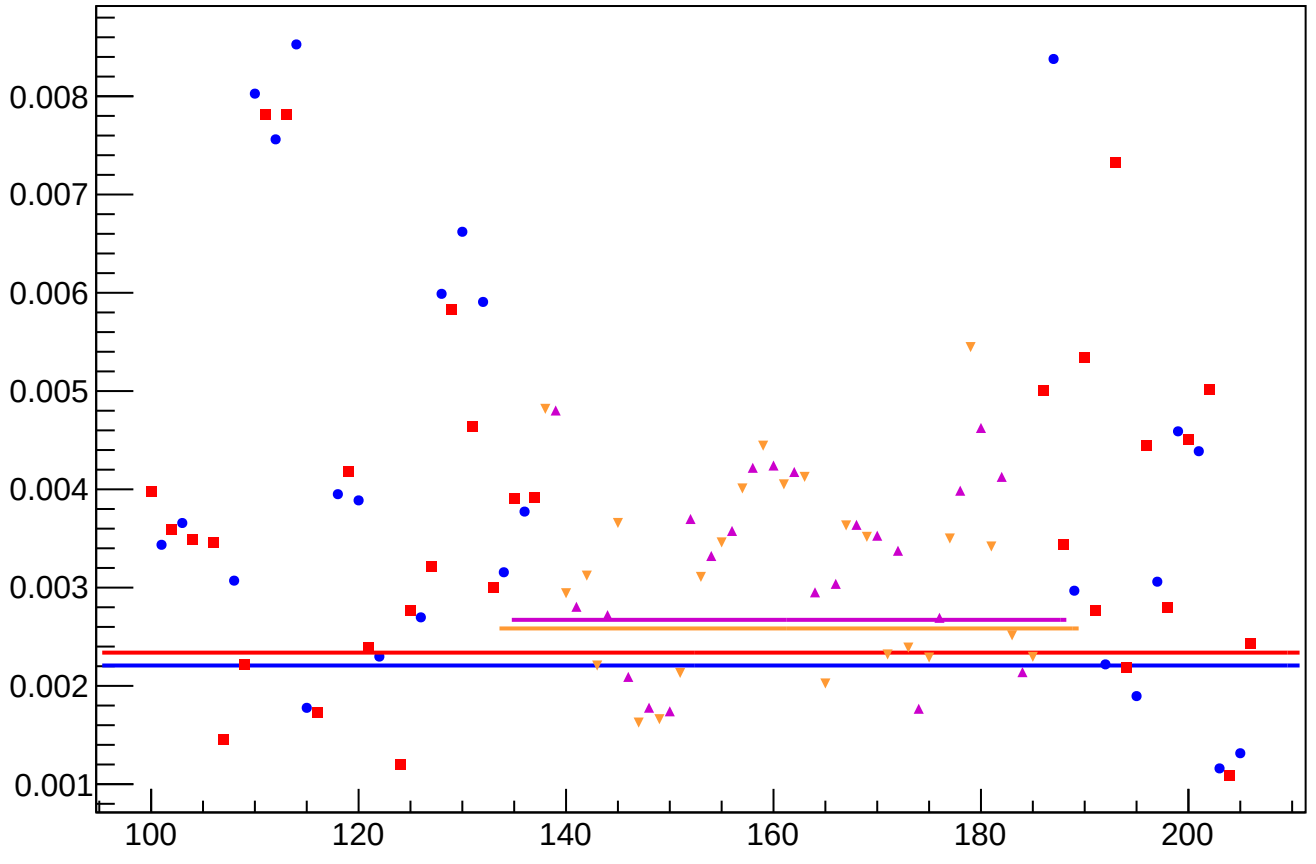
Right Out: -0.000+/-0.000 χ^2/NDF: 38.8/30

Left In: -0.000+/-0.000 χ^2/NDF:18.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 62.9/49

All: -0.000+/-0.000 χ^2/NDF: 126.0/103

- sign -0.000+/-0.000 χ^2/NDF: 58.3/53



Right In: 0.002+/-0.000 χ^2/NDF: 6406128.9/24

Left Out: 0.003+/-0.000 χ^2/NDF:3892707.7/24

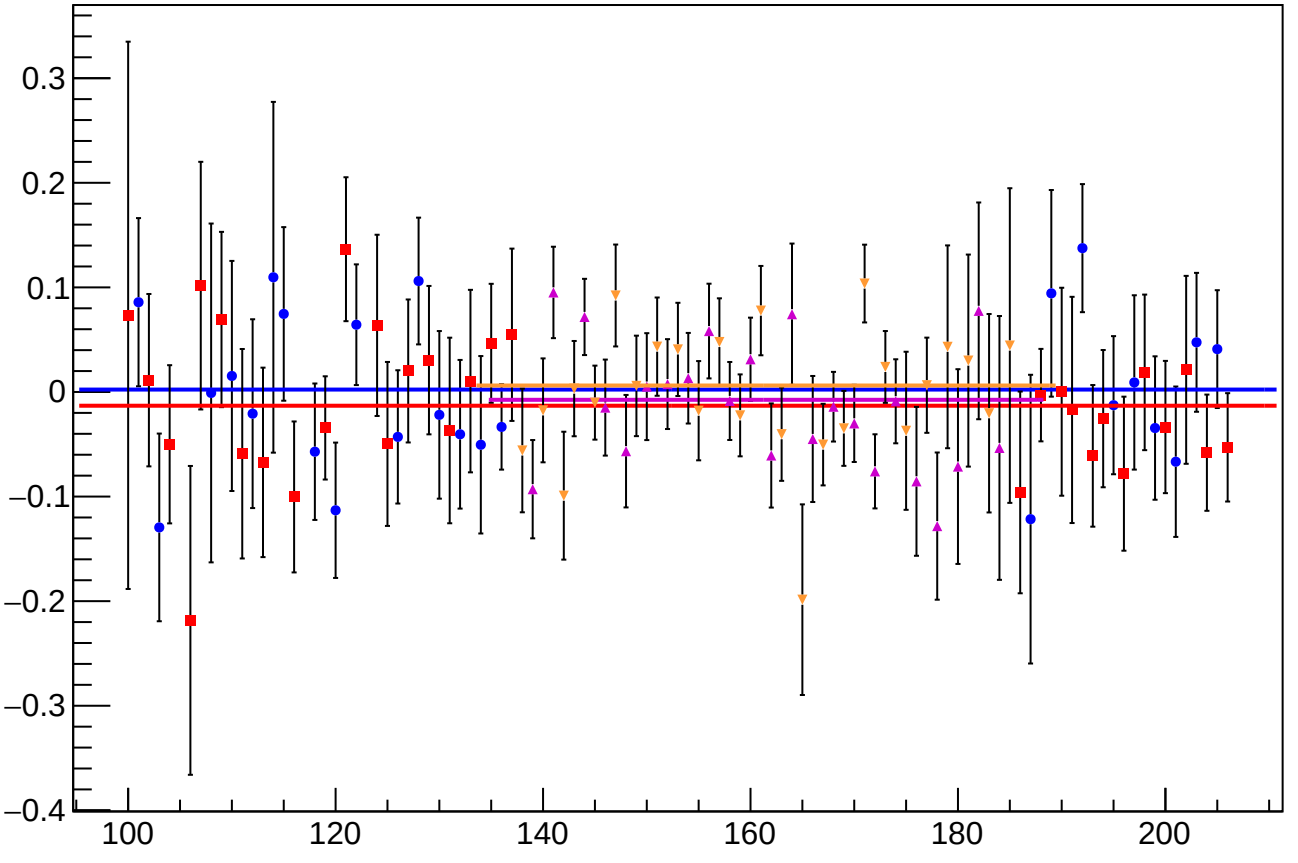
Right Out: 0.002+/-0.000 χ^2/NDF: 7428974.1/30

Left In: 0.003+/-0.000 χ^2/NDF:3825662.0/22

+ sign 0.002+/-0.000 χ^2/NDF: 10622478.7/49

All: 0.002+/-0.000 χ^2/NDF: 22160202.1/103

- sign 0.003+/-0.000 χ^2/NDF: 11500333.9/53



Right In: 0.002+/-0.014 χ^2/NDF: 23.4/24

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

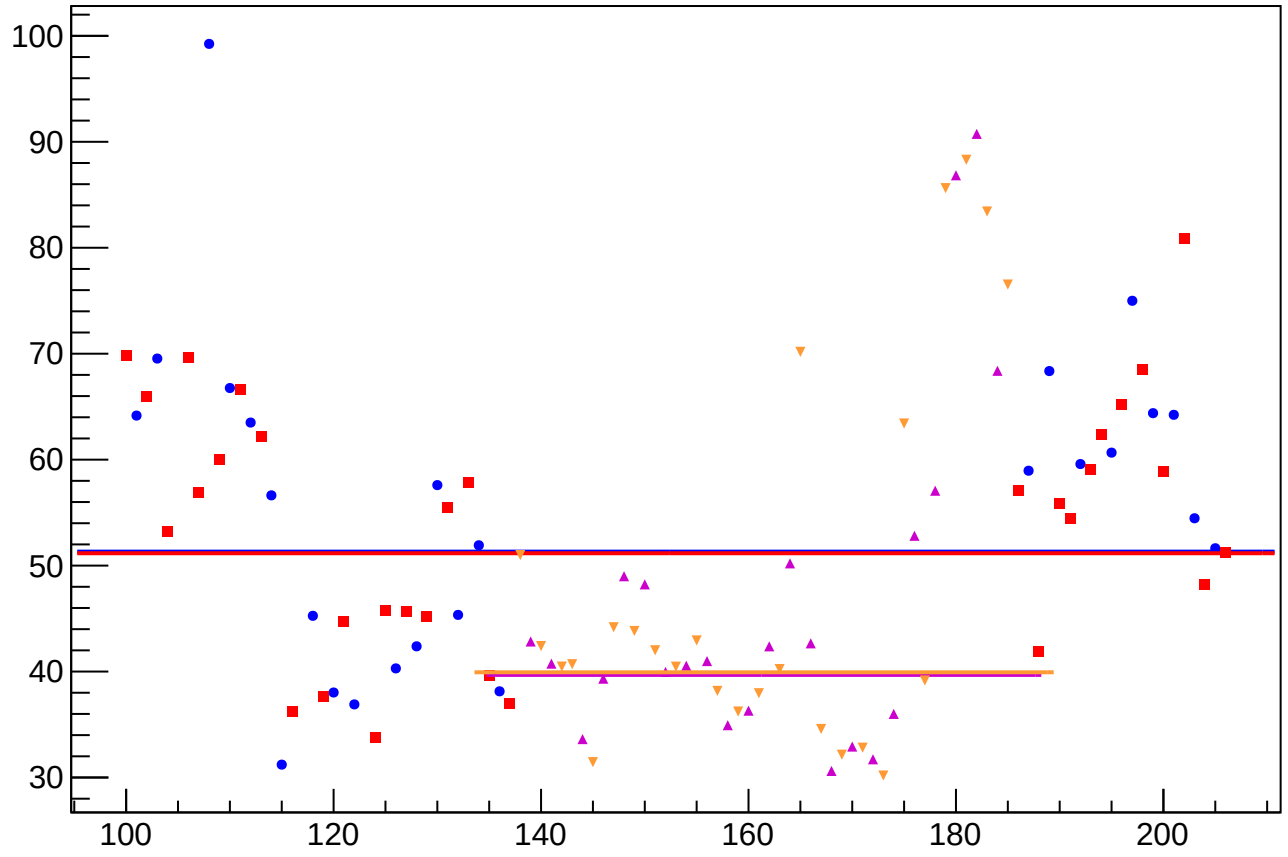
Right Out: -0.013+/-0.013 χ^2/NDF: 18.6/30

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.3/49

All: -0.002+/-0.006 χ^2/NDF: 105.1/103

- sign -0.009+/-0.008 χ^2/NDF: 49.1/53



Right In: 51.319+/-0.010 χ^2/NDF: 1514287.2/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

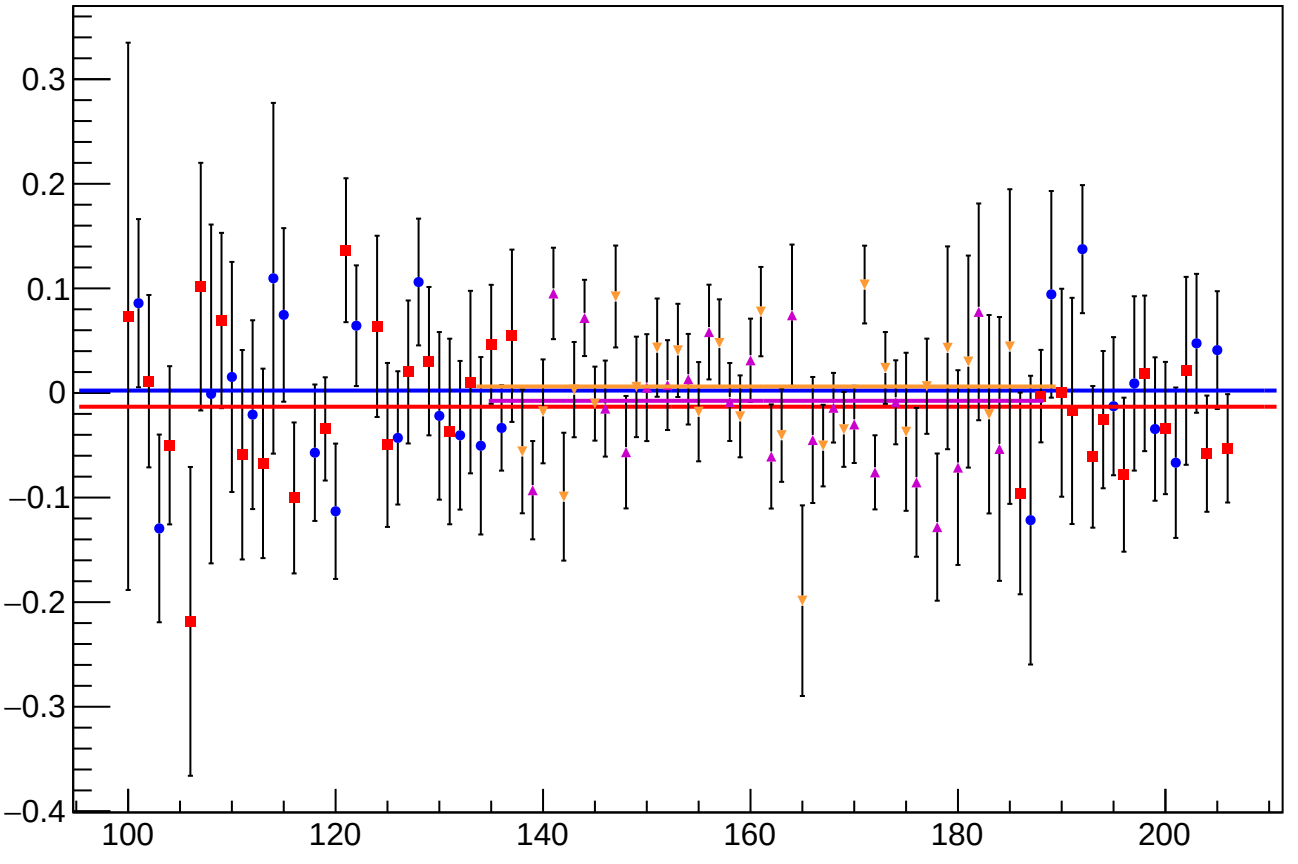
Right Out: 51.167+/-0.009 χ^2/NDF: 1361211.3/30

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.425+/-0.006 χ^2/NDF: 4858623.8/49

All: 43.593+/-0.004 χ^2/NDF: 9115594.1/103

- sign 43.755+/-0.006 χ^2/NDF: 4255225.4/53



Right In: 0.002+/-0.014 χ^2/NDF: 23.4/24

Left Out: 0.006+/-0.010 χ^2/NDF:30.8/24

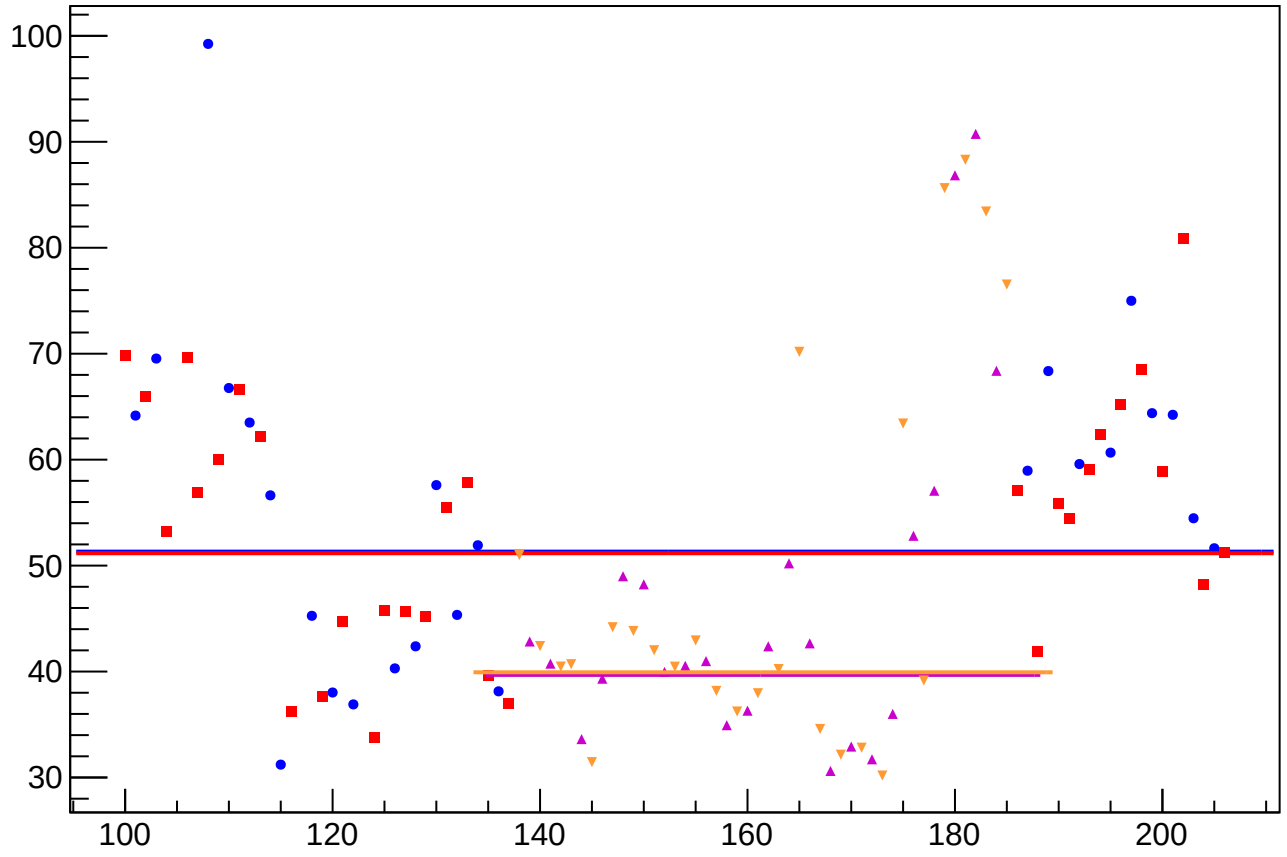
Right Out: -0.013+/-0.013 χ^2/NDF: 18.6/30

Left In: -0.007+/-0.010 χ^2/NDF:30.4/22

+ sign 0.005+/-0.008 χ^2/NDF: 54.3/49

All: -0.002+/-0.006 χ^2/NDF: 105.1/103

- sign -0.009+/-0.008 χ^2/NDF: 49.1/53



Right In: 51.319+/-0.010 χ^2/NDF: 1514287.2/24

Left Out: 39.930+/-0.007 χ^2/NDF:2475527.1/24

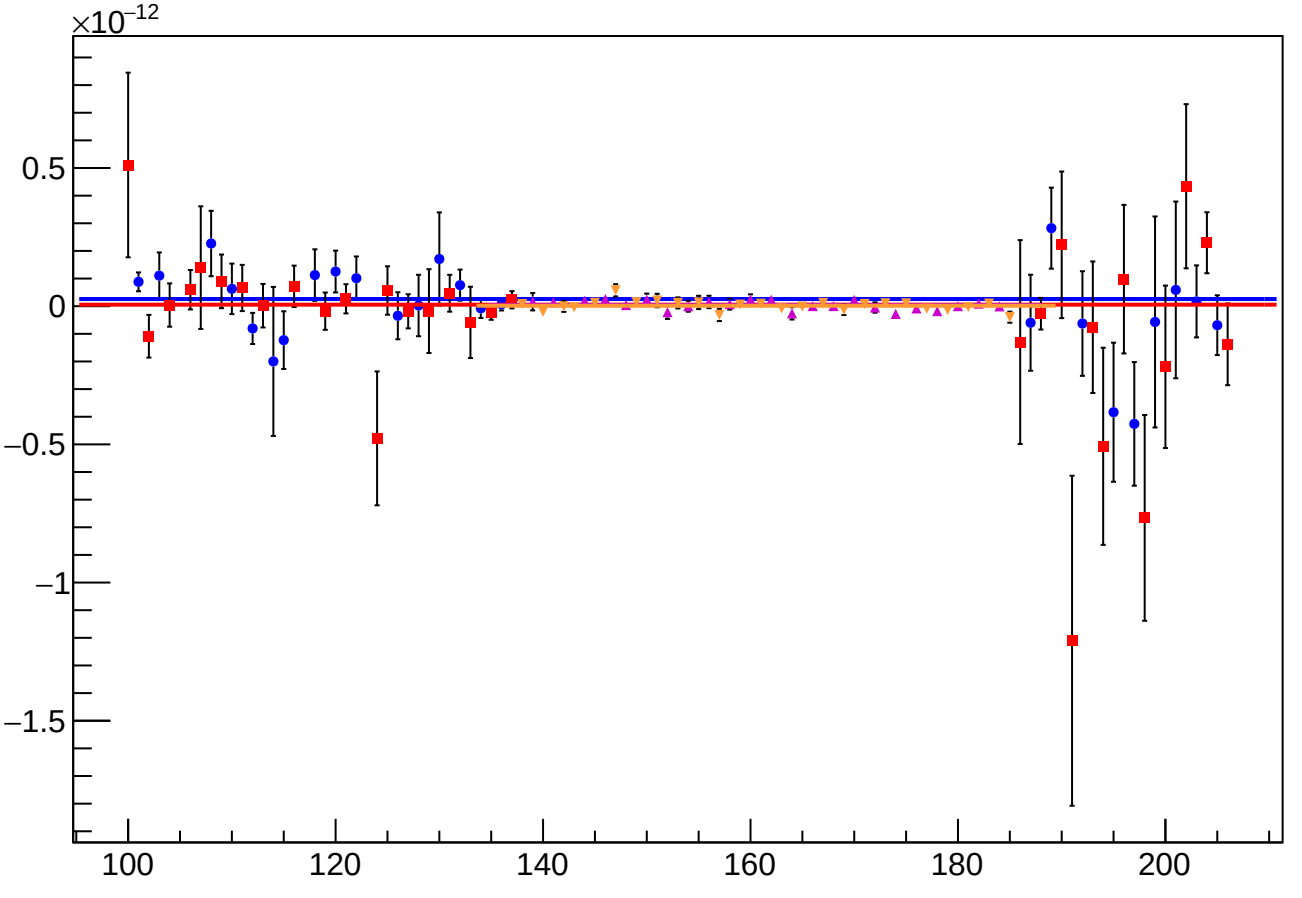
Right Out: 51.167+/-0.009 χ^2/NDF: 1361211.3/30

Left In: 39.685+/-0.007 χ^2/NDF:1915901.2/22

+ sign 43.425+/-0.006 χ^2/NDF: 4858623.8/49

All: 43.593+/-0.004 χ^2/NDF: 9115594.1/103

- sign 43.755+/-0.006 χ^2/NDF: 4255225.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 32.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:28.0/24

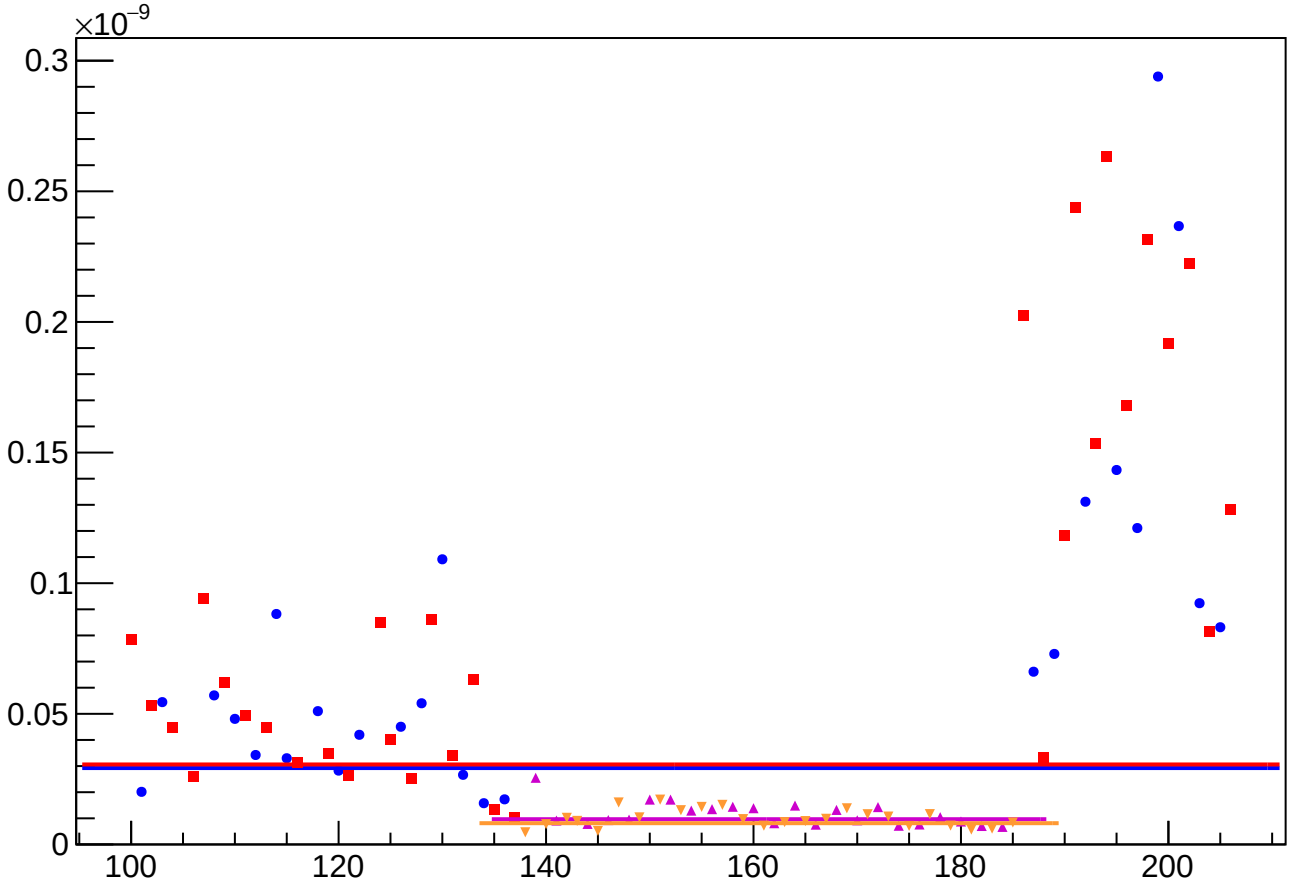
Right Out: 0.000+/-0.000 χ^2/NDF: 33.9/30

Left In: 0.000+/-0.000 χ^2/NDF:27.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 63.3/49

All: 0.000+/-0.000 χ^2/NDF: 124.8/103

- sign 0.000+/-0.000 χ^2/NDF: 61.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 6658963.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2354980.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 9155716.5/30

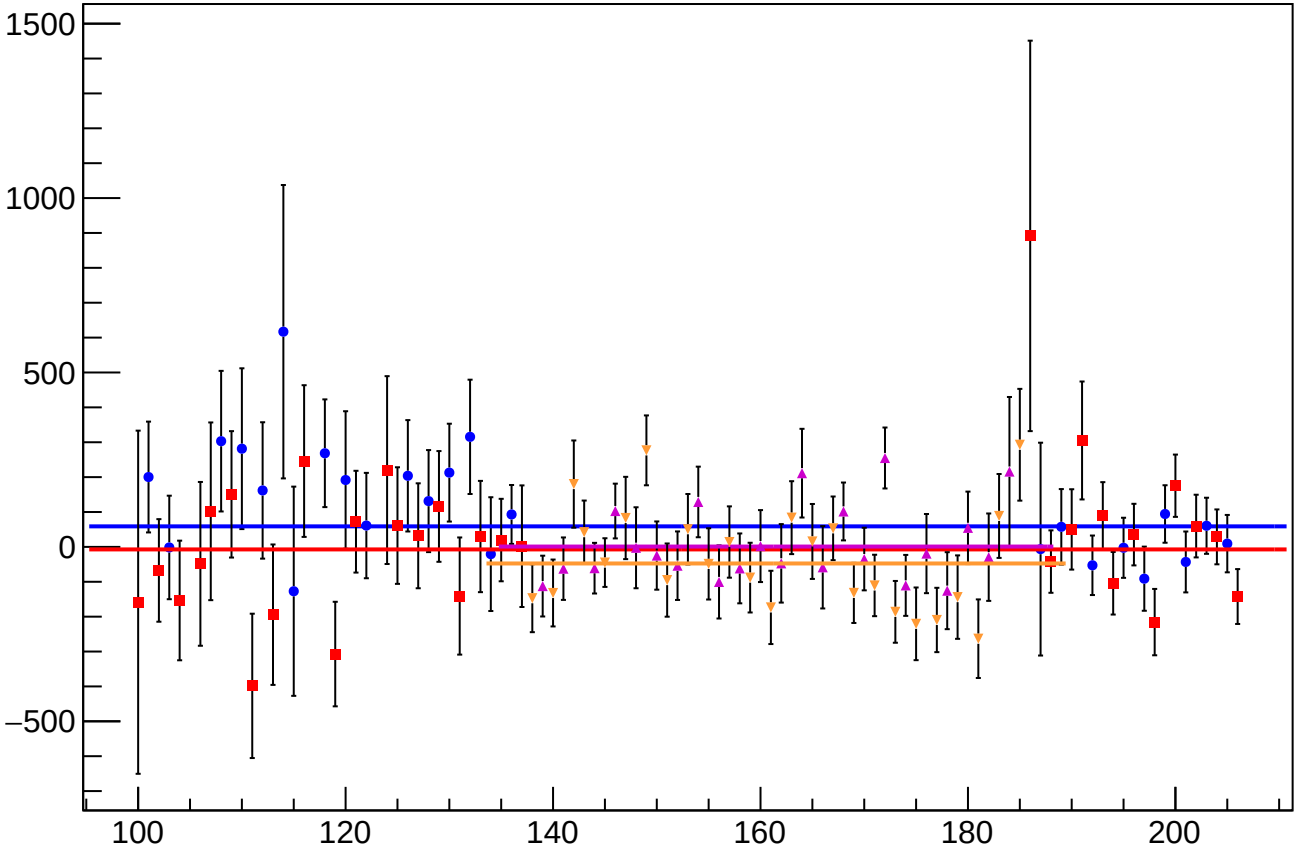
Left In: 0.000+/-0.000 χ^2/NDF:2106161.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 13967869.7/49

All: 0.000+/-0.000 χ^2/NDF: 30128795.0/103

- sign 0.000+/-0.000 χ^2/NDF: 15766476.5/53

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 58.865+/-24.235 χ^2/NDF: 20.1/24

Left Out: -47.524+/-19.983 χ^2/NDF:44.0/24

Right Out: -7.237+/-22.927 χ^2/NDF: 35.8/30

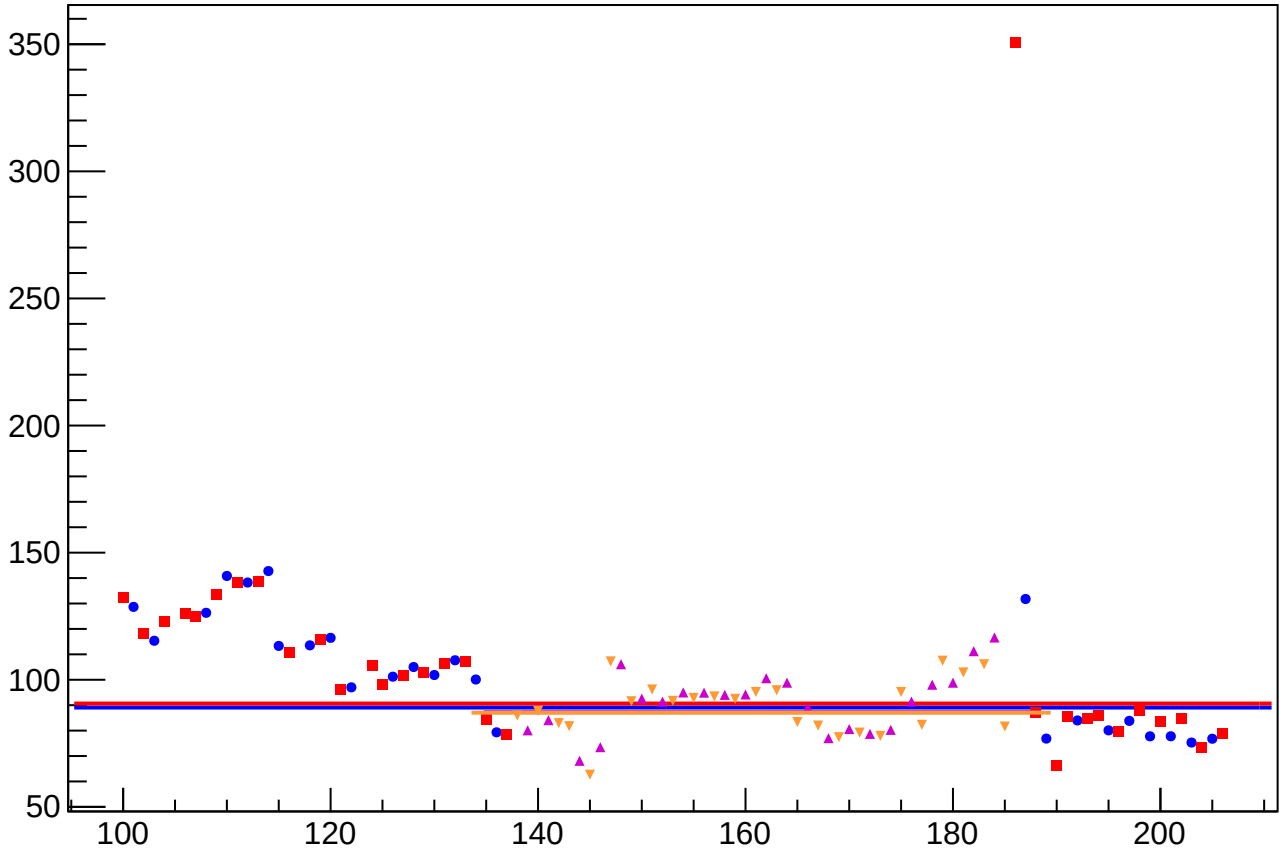
Left In: 0.986+/-20.604 χ^2/NDF:25.5/22

+ sign -4.466+/-15.418 χ^2/NDF: 75.5/49

All: -3.572+/-10.869 χ^2/NDF: 136.9/103

- sign -2.688+/-15.325 χ^2/NDF: 61.4/53

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 89.073+/-0.017 χ^2/NDF: 1010874.4/24

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

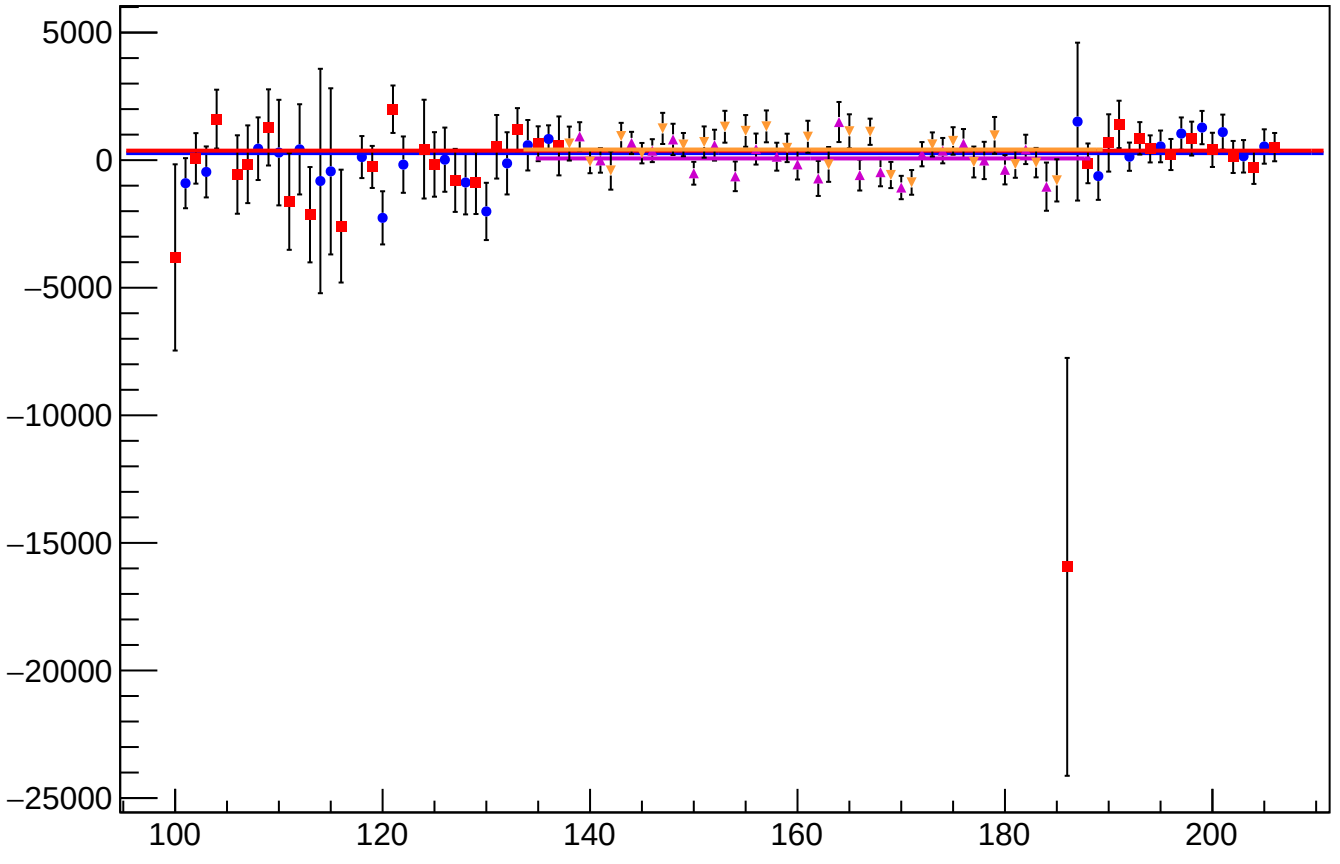
Right Out: 90.649+/-0.016 χ^2/NDF: 1472651.3/30

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 87.882+/-0.011 χ^2/NDF: 1639615.5/49

All: 88.329+/-0.008 χ^2/NDF: 3735633.8/103

- sign 88.772+/-0.011 χ^2/NDF: 2092661.8/53



Right In: 275.276+/-175.109 χ^2/NDF: 21.3/24

Left Out: 416.424+/-112.336 χ^2/NDF:32.4/24

Right Out: 372.230+/-160.742 χ^2/NDF: 23.1/30

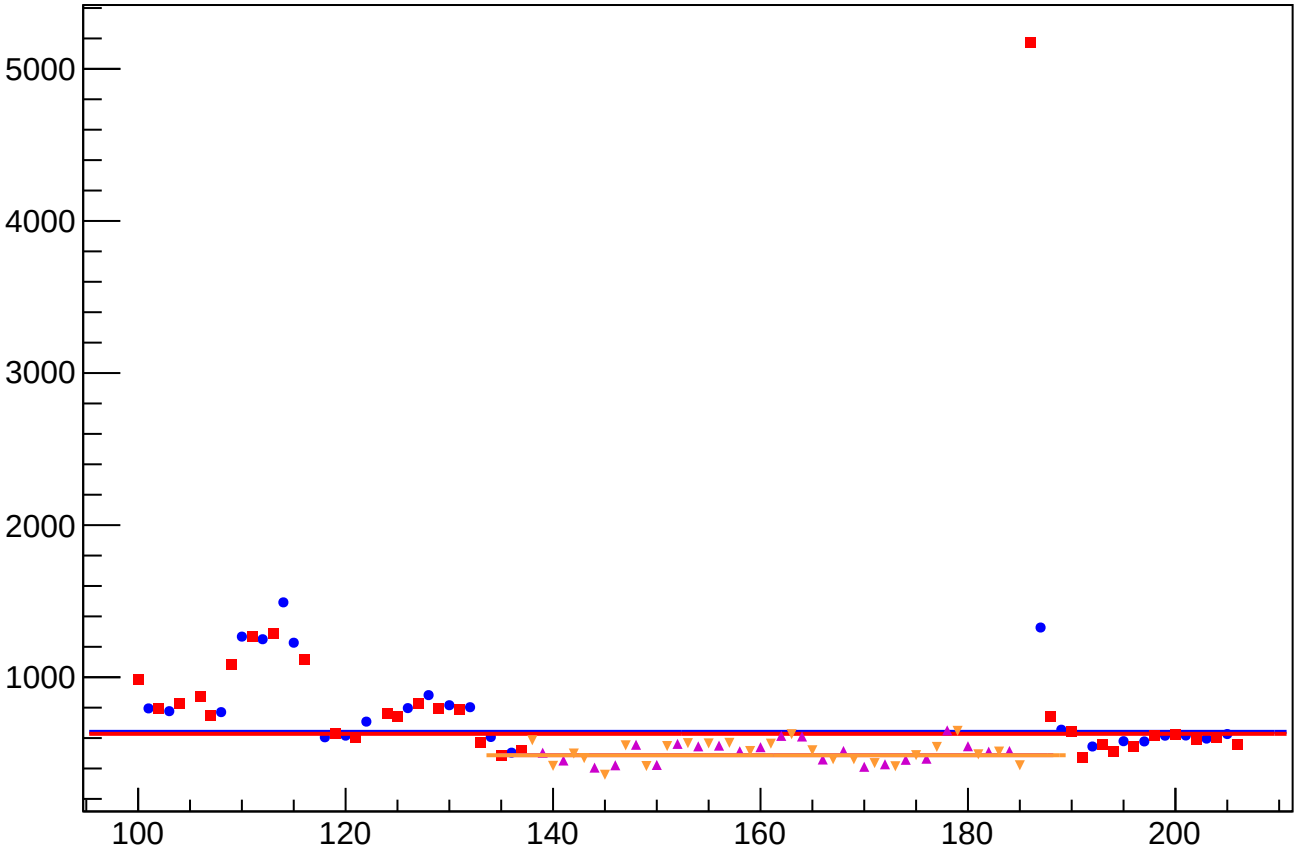
Left In: 66.675+/-115.419 χ^2/NDF:27.5/22

+ sign 375.272+/-94.552 χ^2/NDF: 54.2/49

All: 272.078+/-66.574 χ^2/NDF: 109.6/103

- sign 170.621+/-93.754 χ^2/NDF: 53.0/53

asym_sam_26_48_dd_reg_correction_rms vs Slug



Right In: 640.812+/-0.124 χ^2/NDF: 1218214.9/24

Left Out: 487.081+/-0.079 χ^2/NDF:821265.9/24

Right Out: 627.883+/-0.114 χ^2/NDF: 2147851.8/30

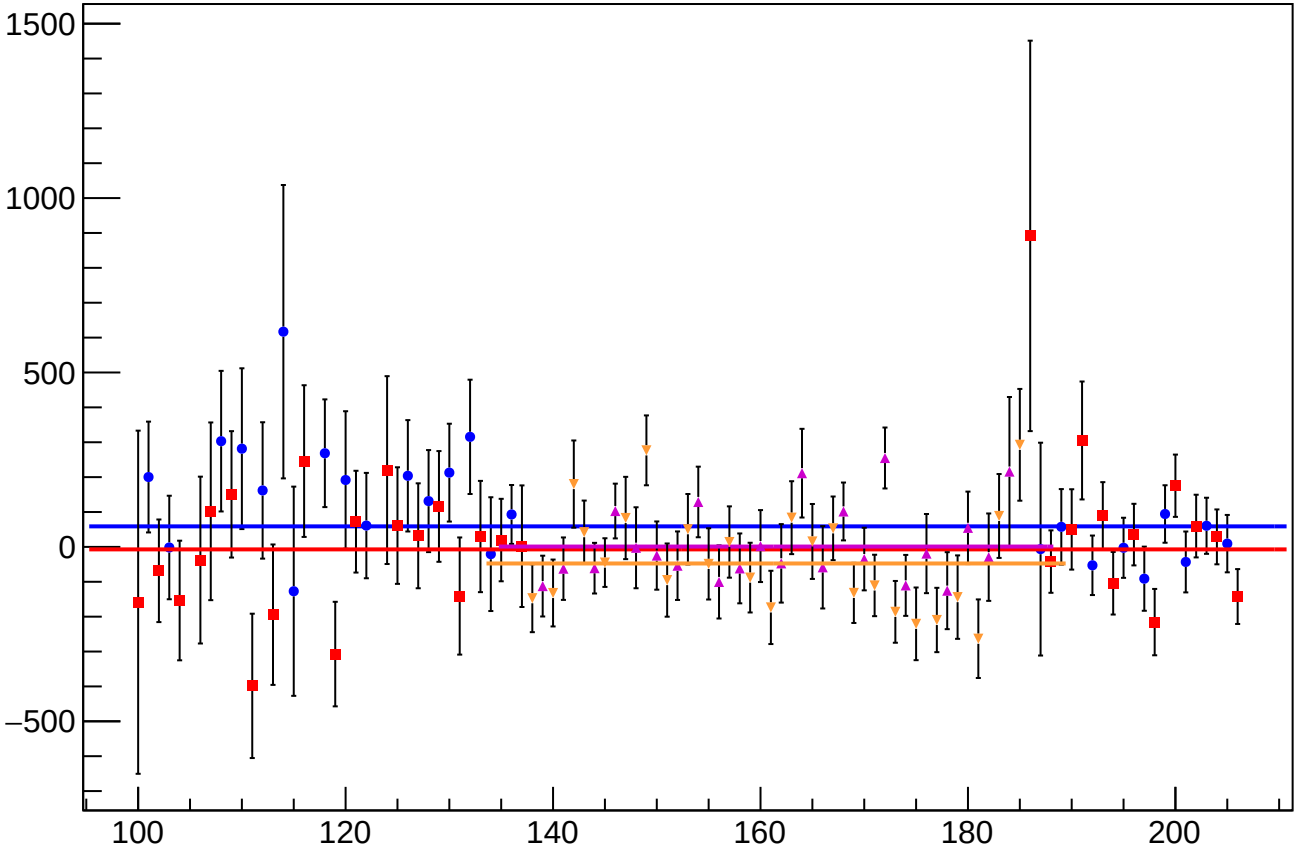
Left In: 487.930+/-0.082 χ^2/NDF:634269.5/22

+ sign 531.902+/-0.067 χ^2/NDF: 3131532.8/49

All: 533.737+/-0.047 χ^2/NDF: 6915494.7/103

- sign 535.540+/-0.066 χ^2/NDF: 3782469.3/53

cor_asym_sam_26_48_dd_mean vs Slug



Right In: 58.858+/-24.235 χ^2/NDF: 20.1/24

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -7.147+/-22.931 χ^2/NDF: 35.8/30

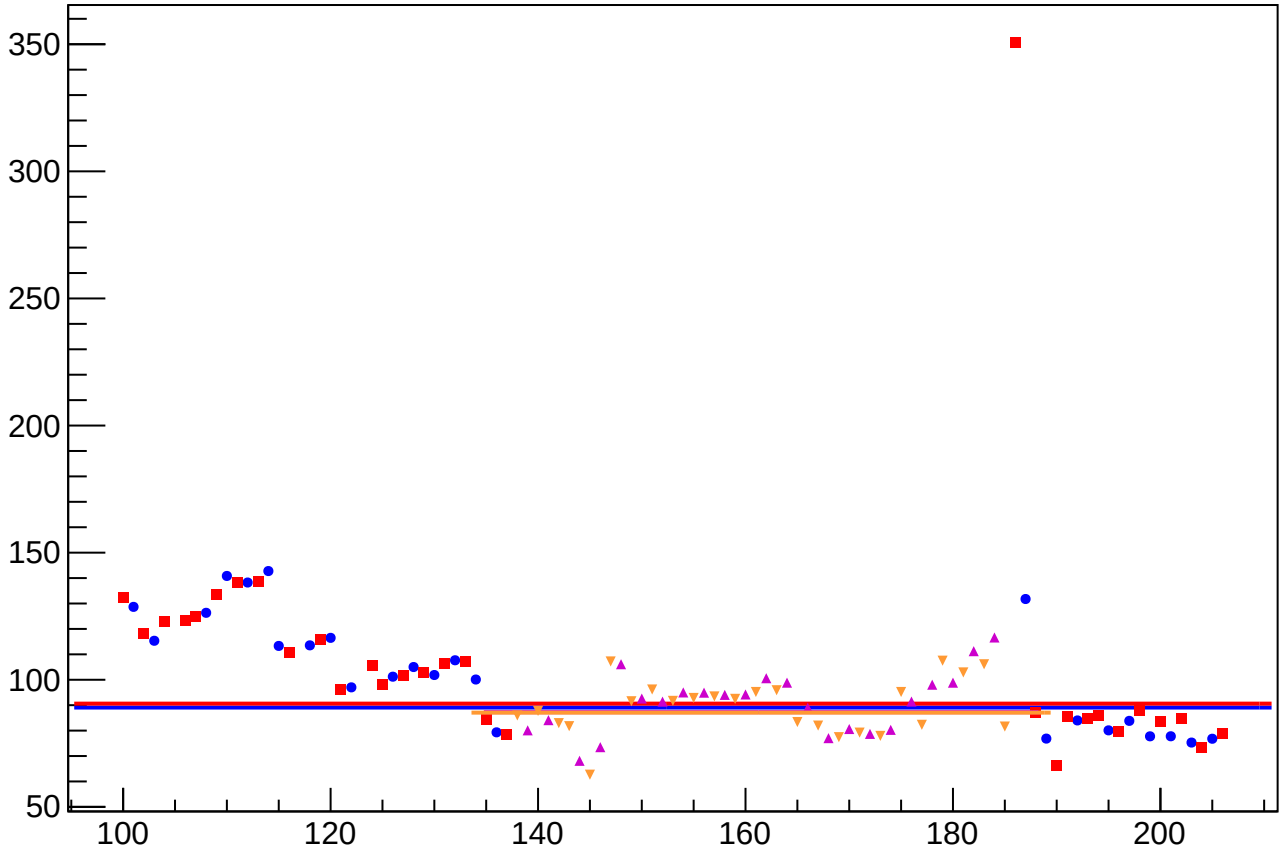
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -4.474+/-15.418 χ^2/NDF: 75.5/49

All: -3.554+/-10.869 χ^2/NDF: 136.9/103

- sign -2.646+/-15.326 χ^2/NDF: 61.4/53

cor_asym_sam_26_48_dd_rms vs Slug



Right In: 89.073+/-0.017 χ^2/NDF: 1010874.7/24

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

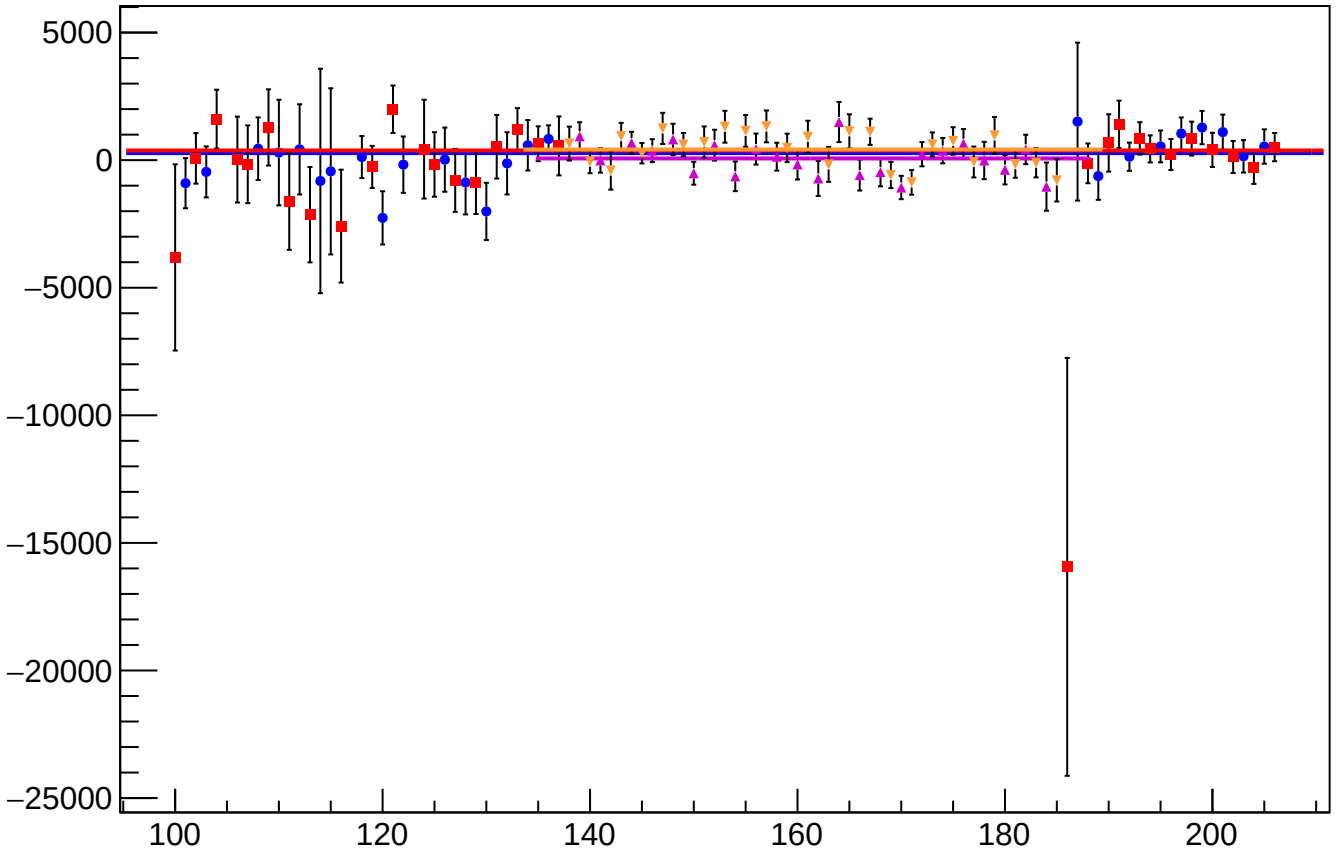
Right Out: 90.611+/-0.016 χ^2/NDF: 1464408.5/30

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 87.882+/-0.011 χ^2/NDF: 1639615.9/49

All: 88.321+/-0.008 χ^2/NDF: 3726721.1/103

- sign 88.755+/-0.011 χ^2/NDF: 2083877.3/53



Right In: 275.276+/-175.109 χ^2/NDF: 21.3/24

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

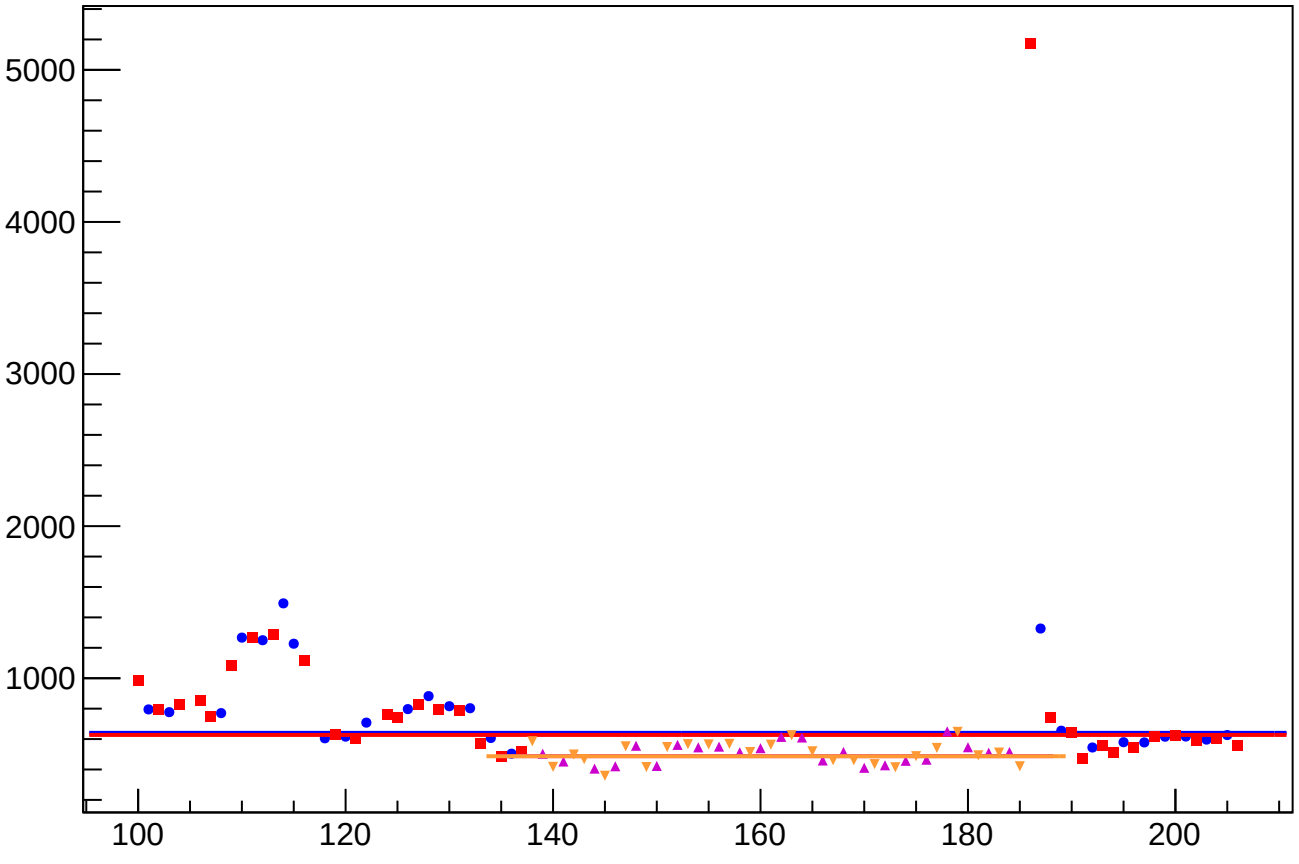
Right Out: 379.264+/-160.890 χ^2/NDF: 22.8/30

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 375.266+/-94.552 χ^2/NDF: 54.2/49

All: 273.248+/-66.585 χ^2/NDF: 109.3/103

- sign 172.884+/-93.783 χ^2/NDF: 52.8/53



Right In: 640.812+/-0.124 χ^2/NDF: 1218226.8/24

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 627.257+/-0.114 χ^2/NDF: 2132798.5/30

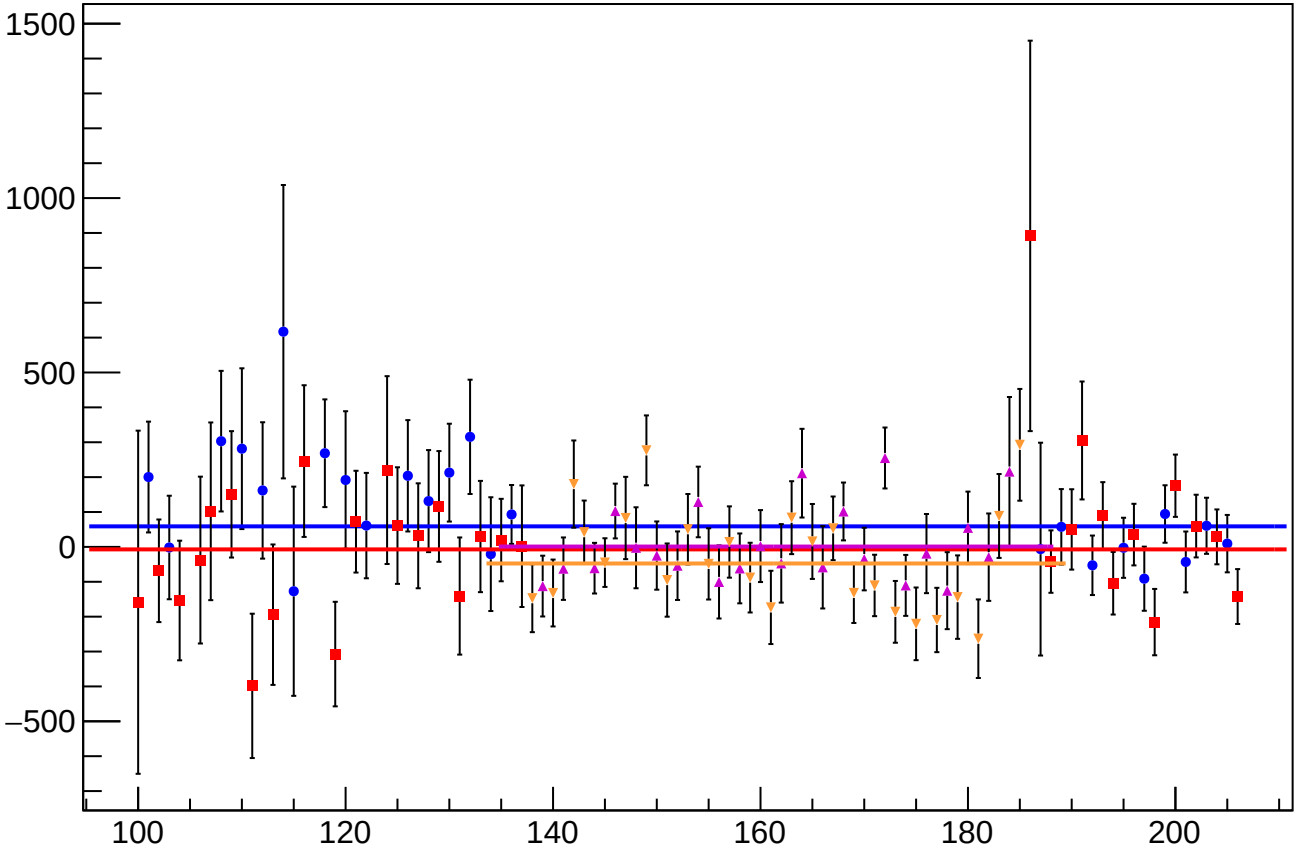
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 531.902+/-0.067 χ^2/NDF: 3131538.5/49

All: 533.600+/-0.047 χ^2/NDF: 6890105.8/103

- sign 535.270+/-0.066 χ^2/NDF: 3757288.8/53

eigen_cor_asym_sam_26_48_dd_mean vs Slug



Right In: 58.858+/-24.235 χ^2/NDF: 20.1/24

Left Out: -47.532+/-19.983 χ^2/NDF:44.0/24

Right Out: -7.147+/-22.931 χ^2/NDF: 35.8/30

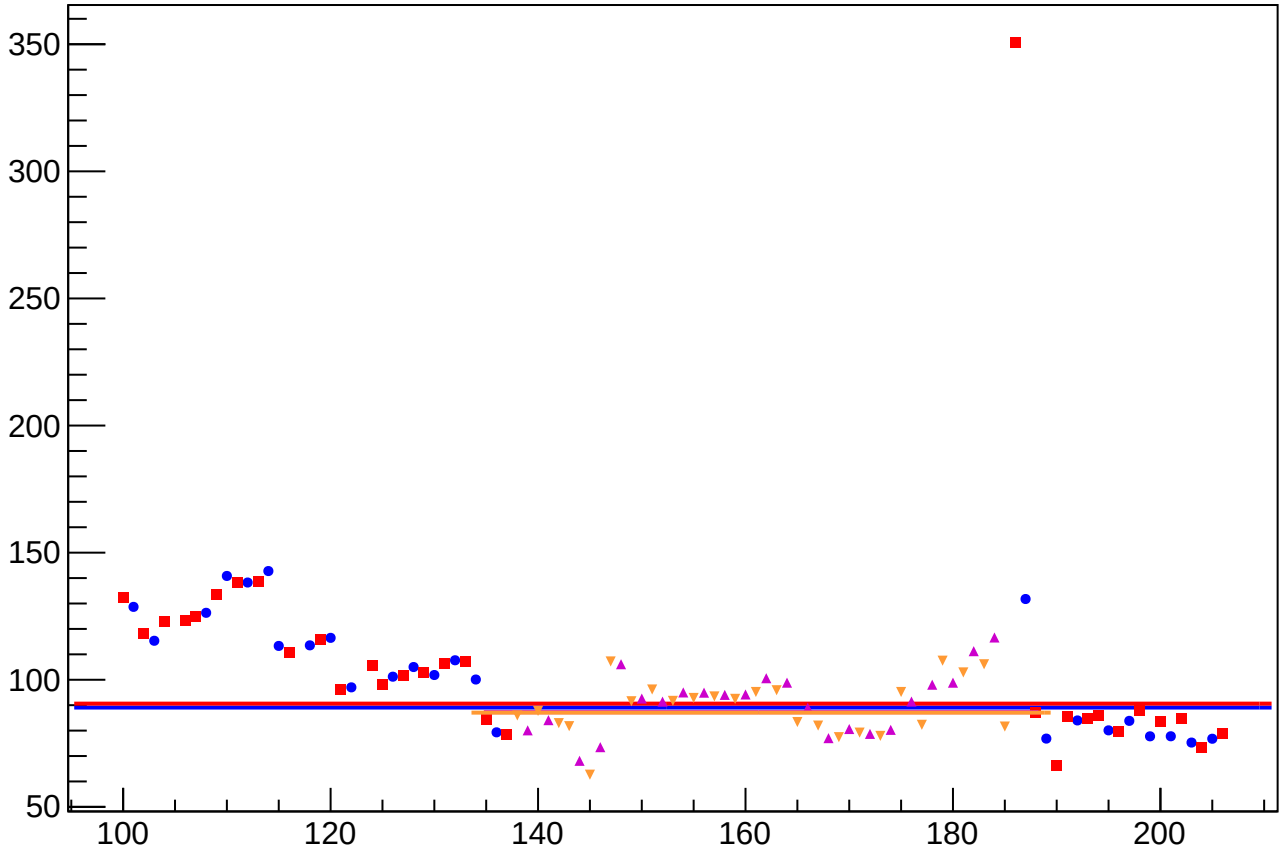
Left In: 0.988+/-20.604 χ^2/NDF:25.5/22

+ sign -4.474+/-15.418 χ^2/NDF: 75.5/49

All: -3.554+/-10.869 χ^2/NDF: 136.9/103

- sign -2.646+/-15.326 χ^2/NDF: 61.4/53

eigen_cor_asym_sam_26_48_dd_rms vs Slug



Right In: 89.073+/-0.017 χ^2/NDF: 1010874.7/24

Left Out: 87.072+/-0.014 χ^2/NDF:620626.5/24

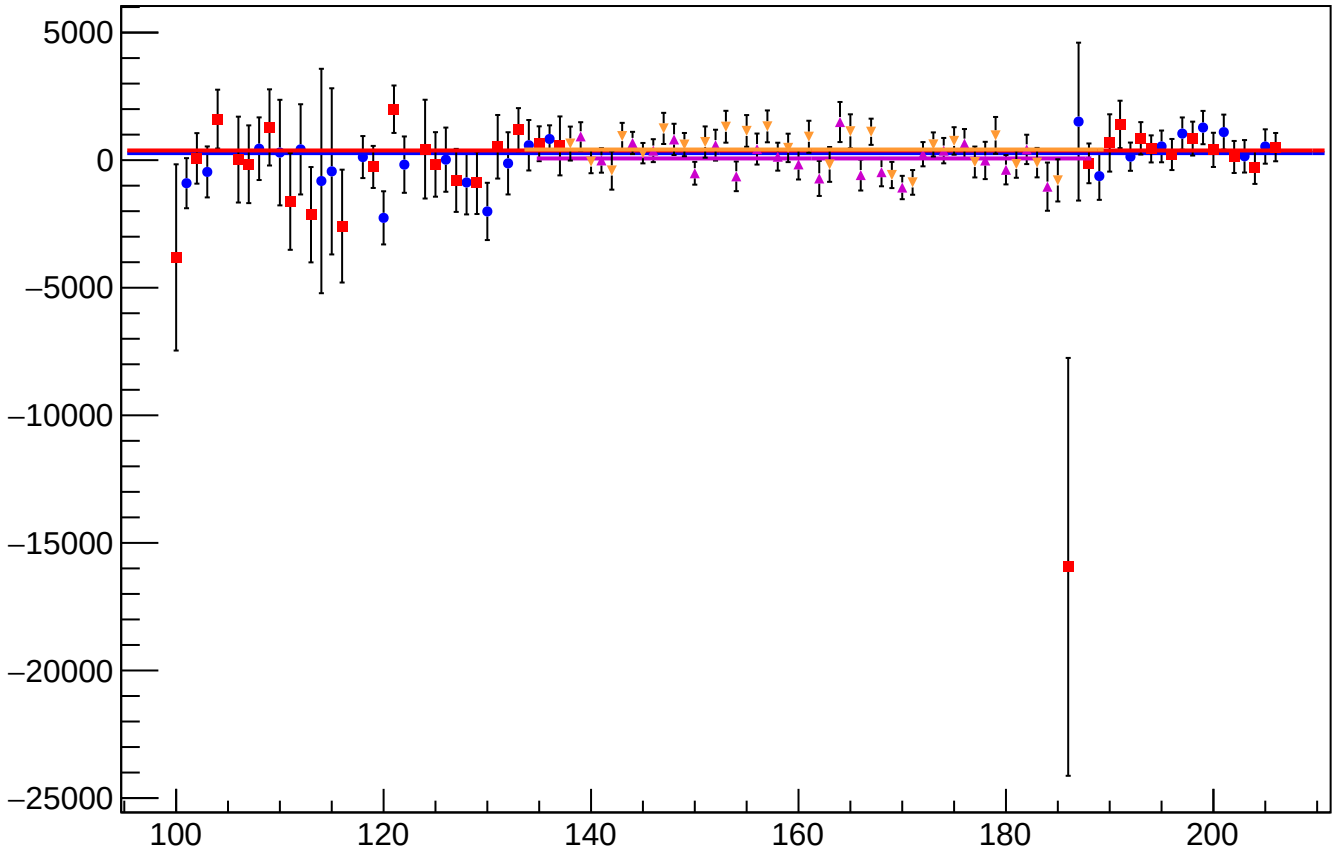
Right Out: 90.611+/-0.016 χ^2/NDF: 1464408.5/30

Left In: 87.257+/-0.015 χ^2/NDF:595793.1/22

+ sign 87.882+/-0.011 χ^2/NDF: 1639615.9/49

All: 88.321+/-0.008 χ^2/NDF: 3726721.1/103

- sign 88.755+/-0.011 χ^2/NDF: 2083877.3/53



Right In: 275.276+/-175.109 χ^2/NDF: 21.3/24

Left Out: 416.416+/-112.336 χ^2/NDF:32.4/24

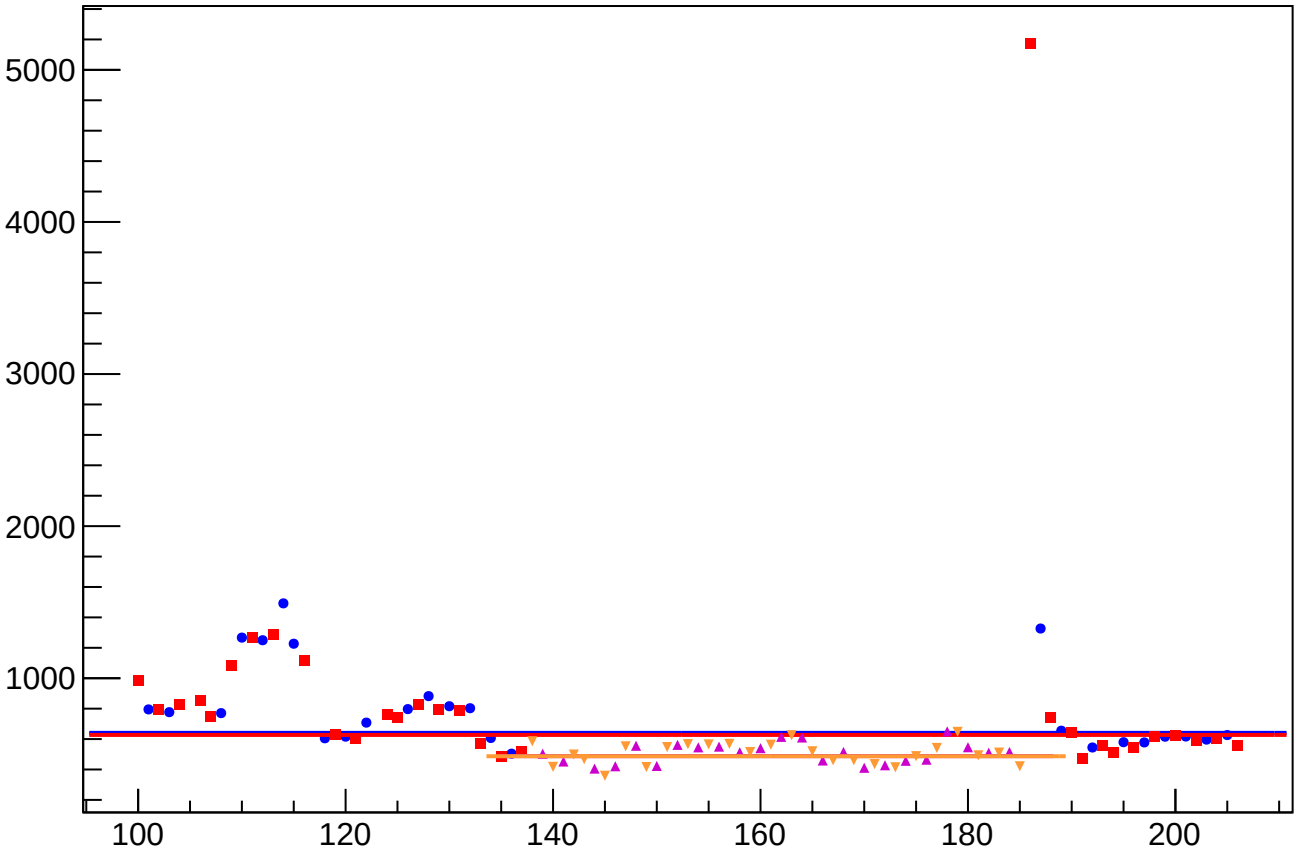
Right Out: 379.264+/-160.890 χ^2/NDF: 22.8/30

Left In: 66.674+/-115.419 χ^2/NDF:27.5/22

+ sign 375.266+/-94.552 χ^2/NDF: 54.2/49

All: 273.248+/-66.585 χ^2/NDF: 109.3/103

- sign 172.884+/-93.783 χ^2/NDF: 52.8/53



Right In: 640.812+/-0.124 χ^2/NDF: 1218226.8/24

Left Out: 487.081+/-0.079 χ^2/NDF:821261.6/24

Right Out: 627.257+/-0.114 χ^2/NDF: 2132798.5/30

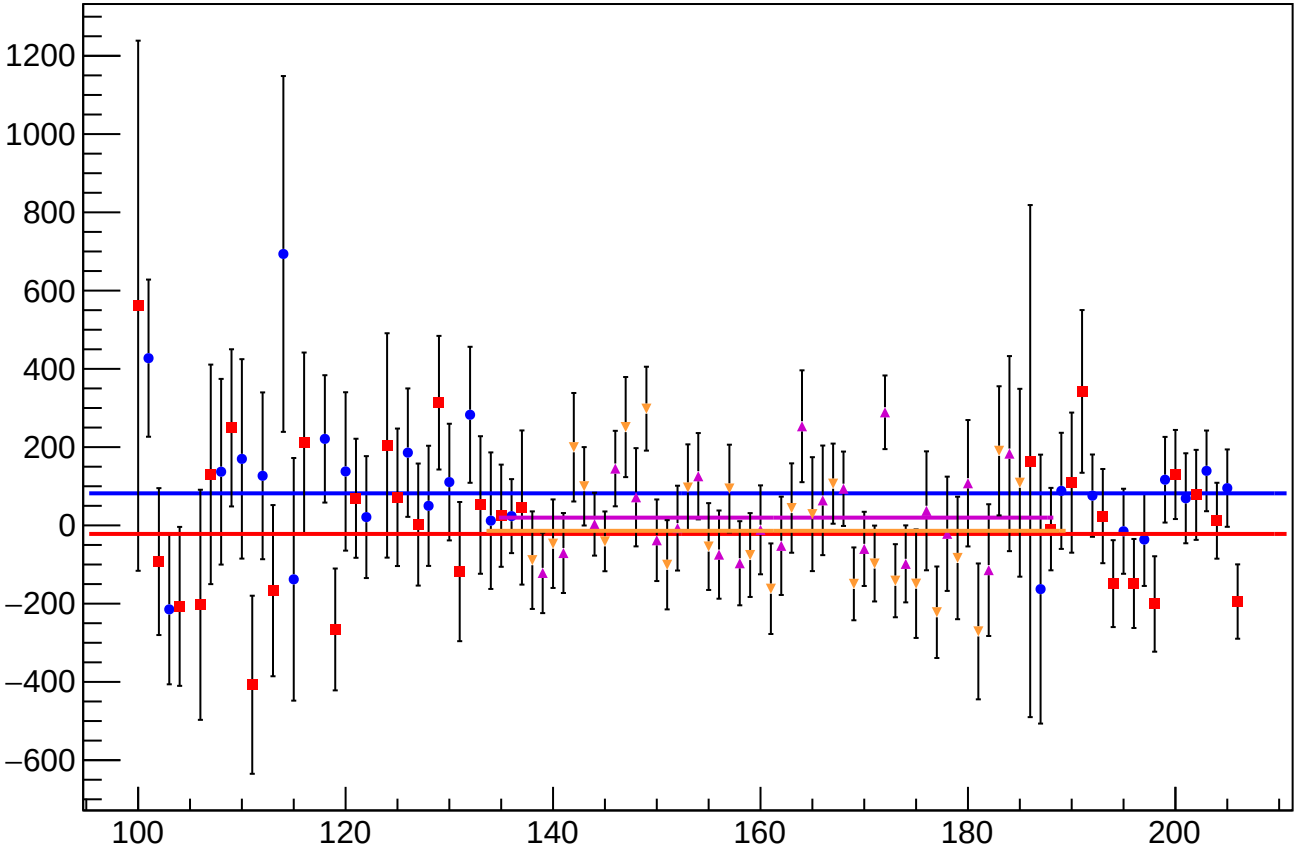
Left In: 487.930+/-0.082 χ^2/NDF:634273.3/22

+ sign 531.902+/-0.067 χ^2/NDF: 3131538.5/49

All: 533.600+/-0.047 χ^2/NDF: 6890105.8/103

- sign 535.270+/-0.066 χ^2/NDF: 3757288.8/53

dit_asym_sam_26_48_dd_mean vs Slug



Right In: 81.920+/-29.065 χ^2/NDF: 13.9/24

Left Out: -13.904+/-22.916 χ^2/NDF:36.4/24

Right Out: -21.831+/-27.451 χ^2/NDF: 31.4/30

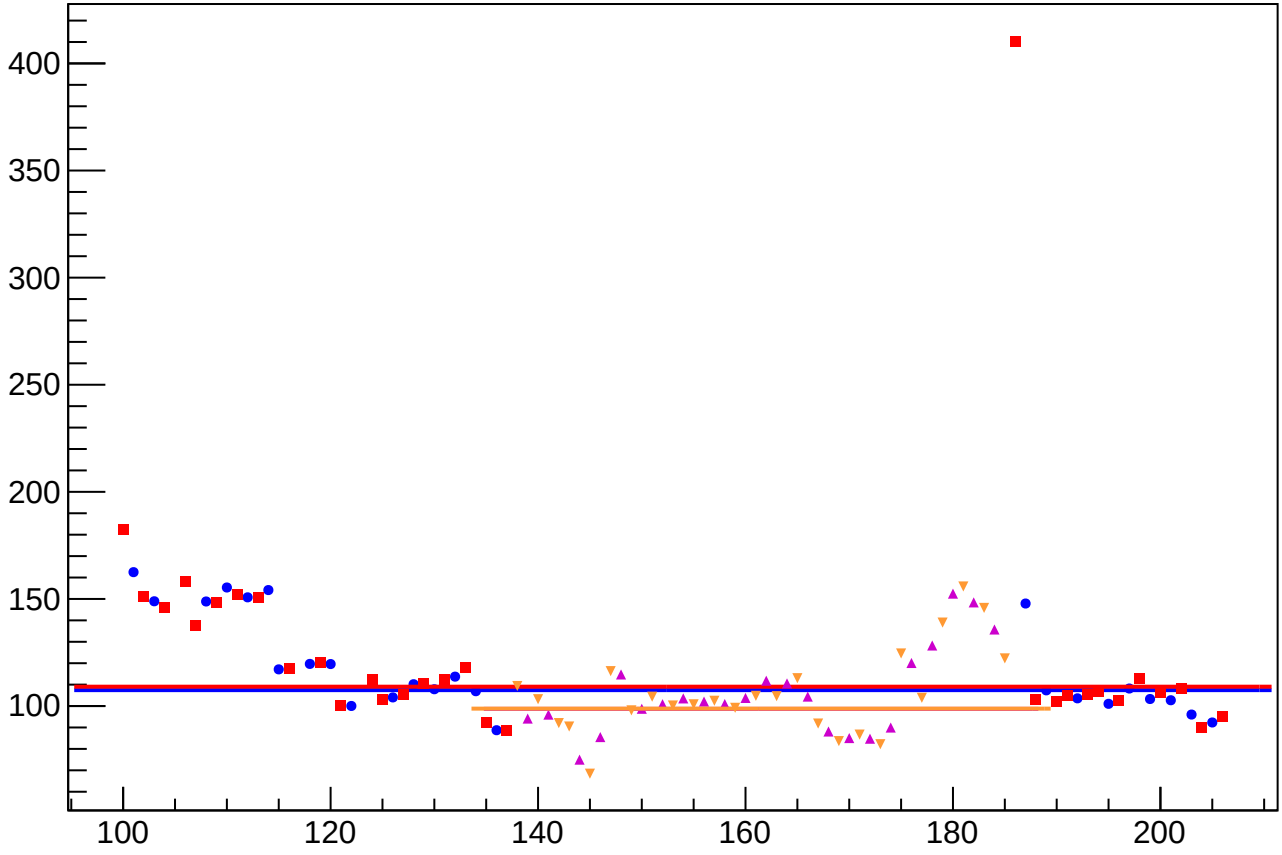
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 22.830+/-17.995 χ^2/NDF: 57.0/49

All: 12.418+/-12.685 χ^2/NDF: 113.7/103

- sign 2.135+/-17.883 χ^2/NDF: 56.0/53

dit_asym_sam_26_48_dd_rms vs Slug



Right In: 107.432+/-0.021 χ^2/NDF: 701736.6/24

Left Out: 98.799+/-0.016 χ^2/NDF:1185806.0/24

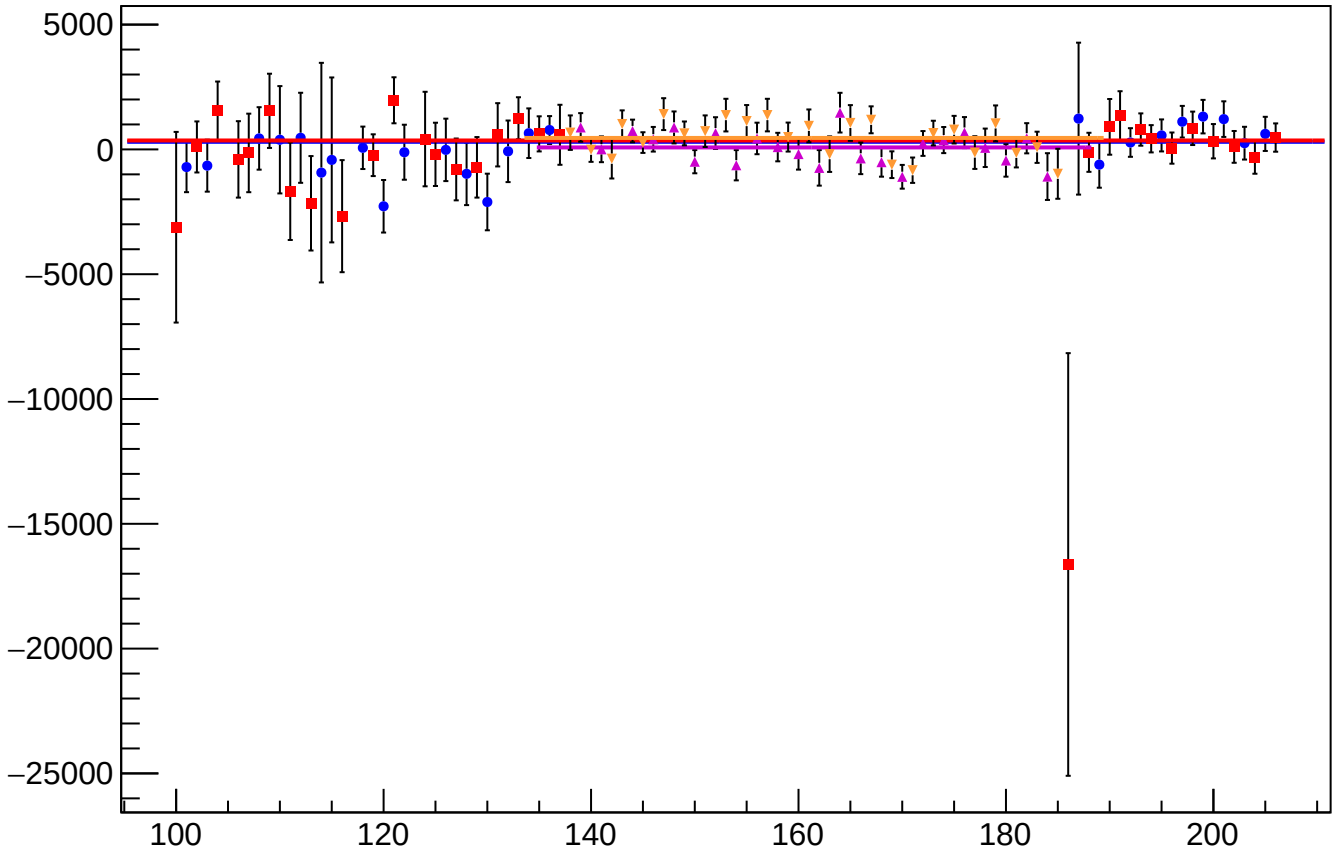
Right Out: 109.039+/-0.019 χ^2/NDF: 1138387.2/30

Left In: 98.673+/-0.017 χ^2/NDF:987817.0/22

+ sign 102.108+/-0.013 χ^2/NDF: 1996371.1/49

All: 102.593+/-0.009 χ^2/NDF: 4289615.0/103

- sign 103.072+/-0.013 χ^2/NDF: 2290358.9/53



Right In: 304.092+/-179.196 χ^2/NDF: 21.8/24

Left Out: 459.094+/-118.111 χ^2/NDF:30.8/24

Right Out: 357.508+/-163.604 χ^2/NDF: 22.4/30

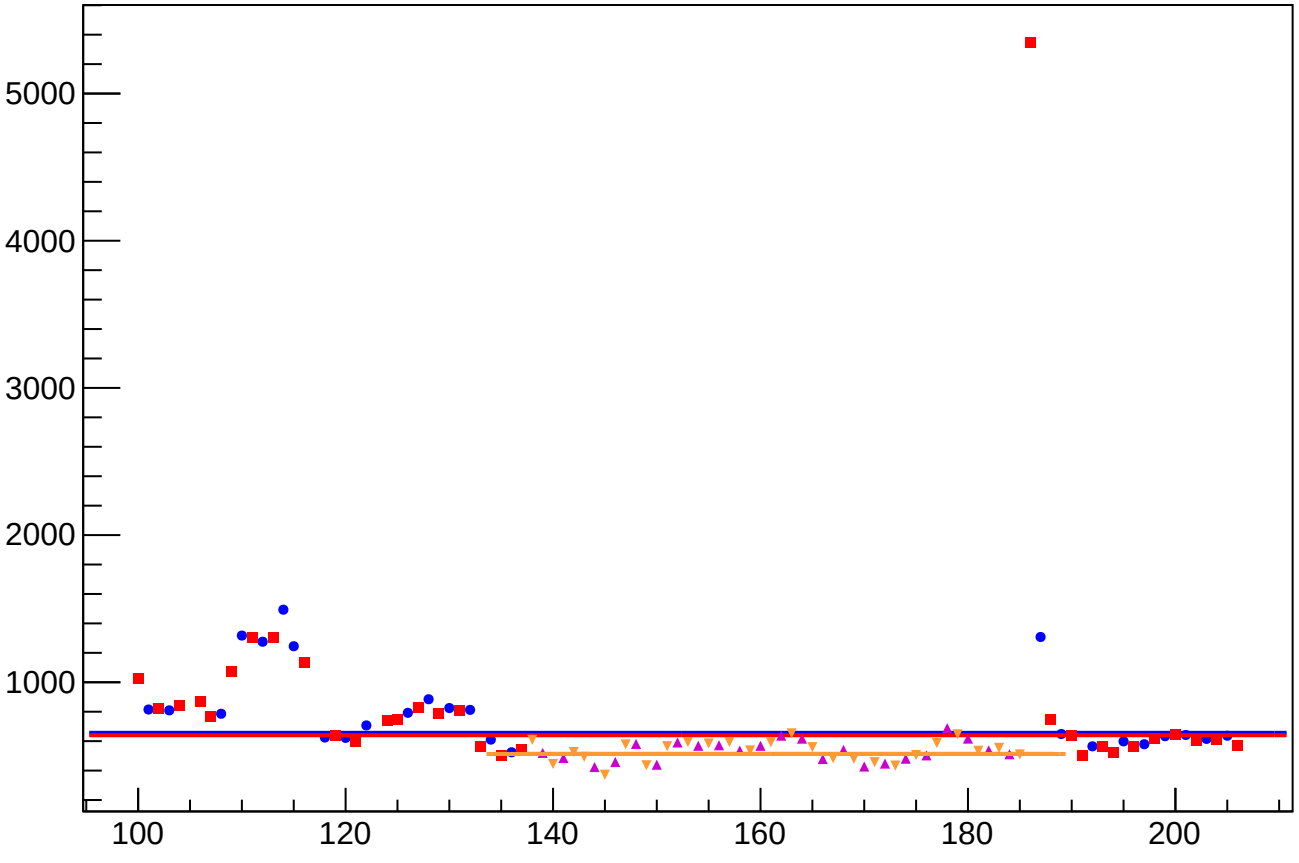
Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

+ sign 412.149+/-98.617 χ^2/NDF: 53.1/49

All: 293.653+/-69.338 χ^2/NDF: 106.5/103

- sign 177.800+/-97.510 χ^2/NDF: 50.5/53

asym_sam_26_48_dd_dit_correction_rms vs Slug



Right In: 656.609+/-0.127 χ^2/NDF: 1167585.9/24

Left Out: 512.768+/-0.084 χ^2/NDF:799239.4/24

Right Out: 640.031+/-0.116 χ^2/NDF: 2080040.0/30

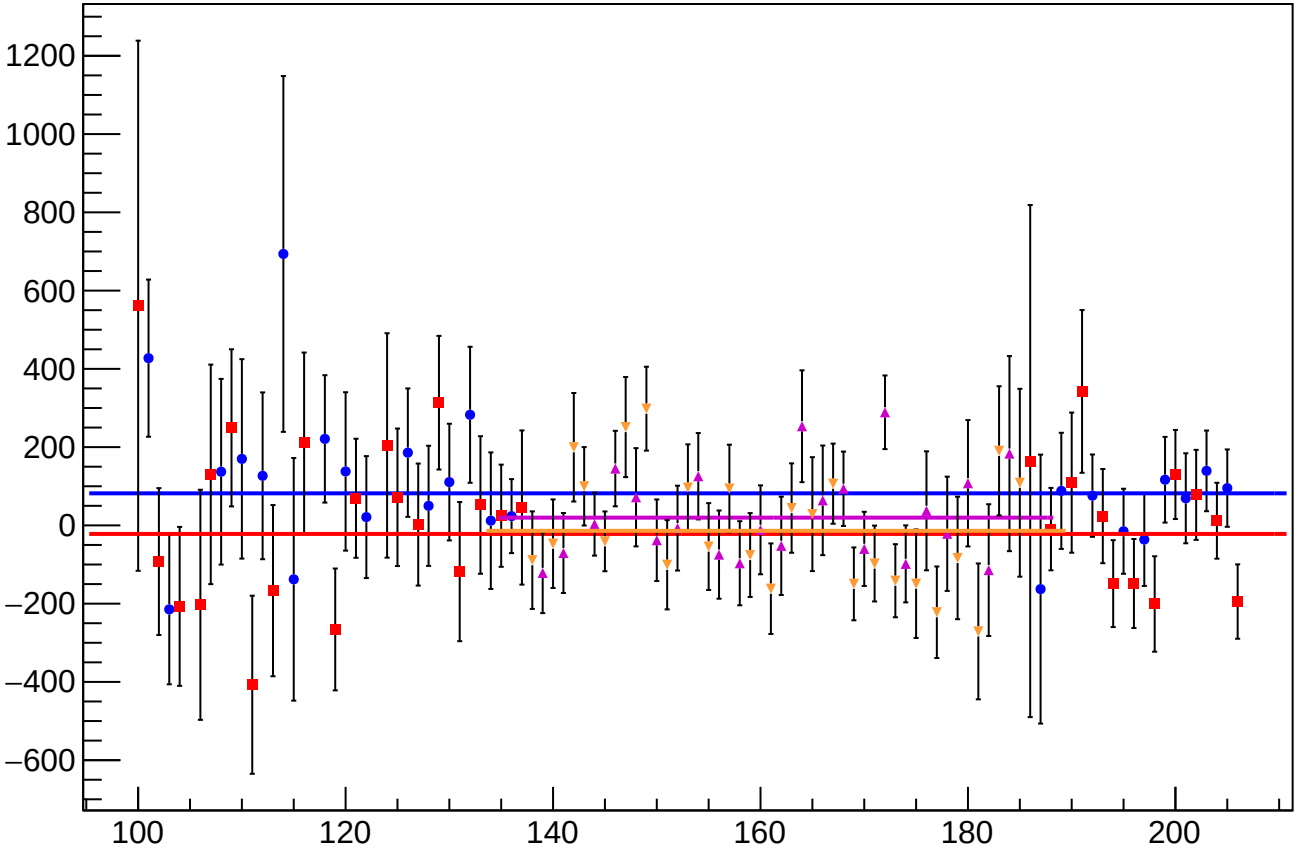
Left In: 513.375+/-0.086 χ^2/NDF:634000.2/22

+ sign 556.332+/-0.070 χ^2/NDF: 2865200.9/49

All: 557.361+/-0.049 χ^2/NDF: 6352529.3/103

- sign 558.367+/-0.069 χ^2/NDF: 3486897.9/53

eigen_dit_asym_sam_26_48_dd_mean vs Slug



Right In: 81.919+/-29.065 χ^2/NDF: 13.9/24

Left Out: -13.906+/-22.916 χ^2/NDF:36.4/24

Right Out: -21.832+/-27.451 χ^2/NDF: 31.4/30

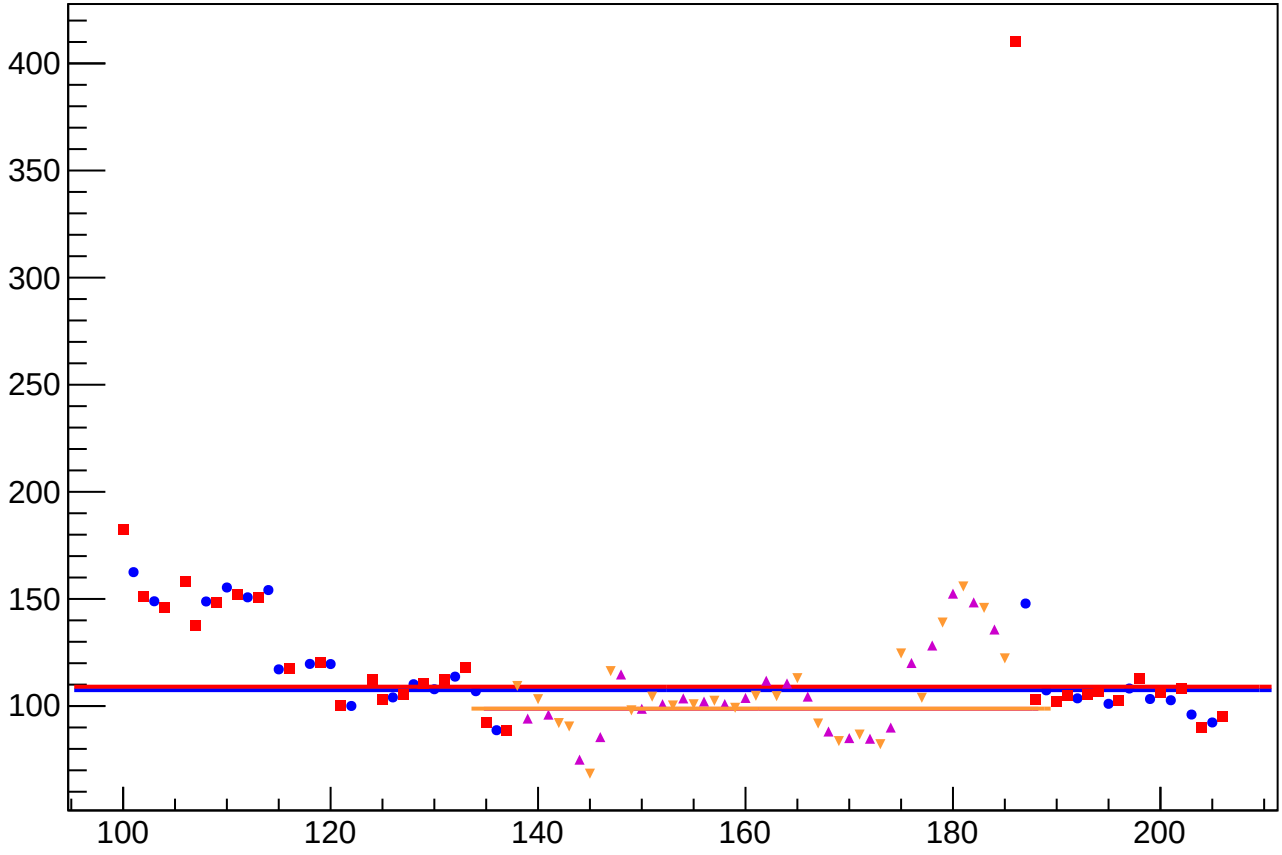
Left In: 19.805+/-23.571 χ^2/NDF:23.3/22

+ sign 22.829+/-17.995 χ^2/NDF: 57.0/49

All: 12.417+/-12.685 χ^2/NDF: 113.7/103

- sign 2.135+/-17.883 χ^2/NDF: 56.0/53

eigen_dit_asym_sam_26_48_dd_rms vs Slug



Right In: 107.433+/-0.021 χ^2/NDF: 701726.0/24

Left Out: 98.799+/-0.016 χ^2/NDF:1185809.9/24

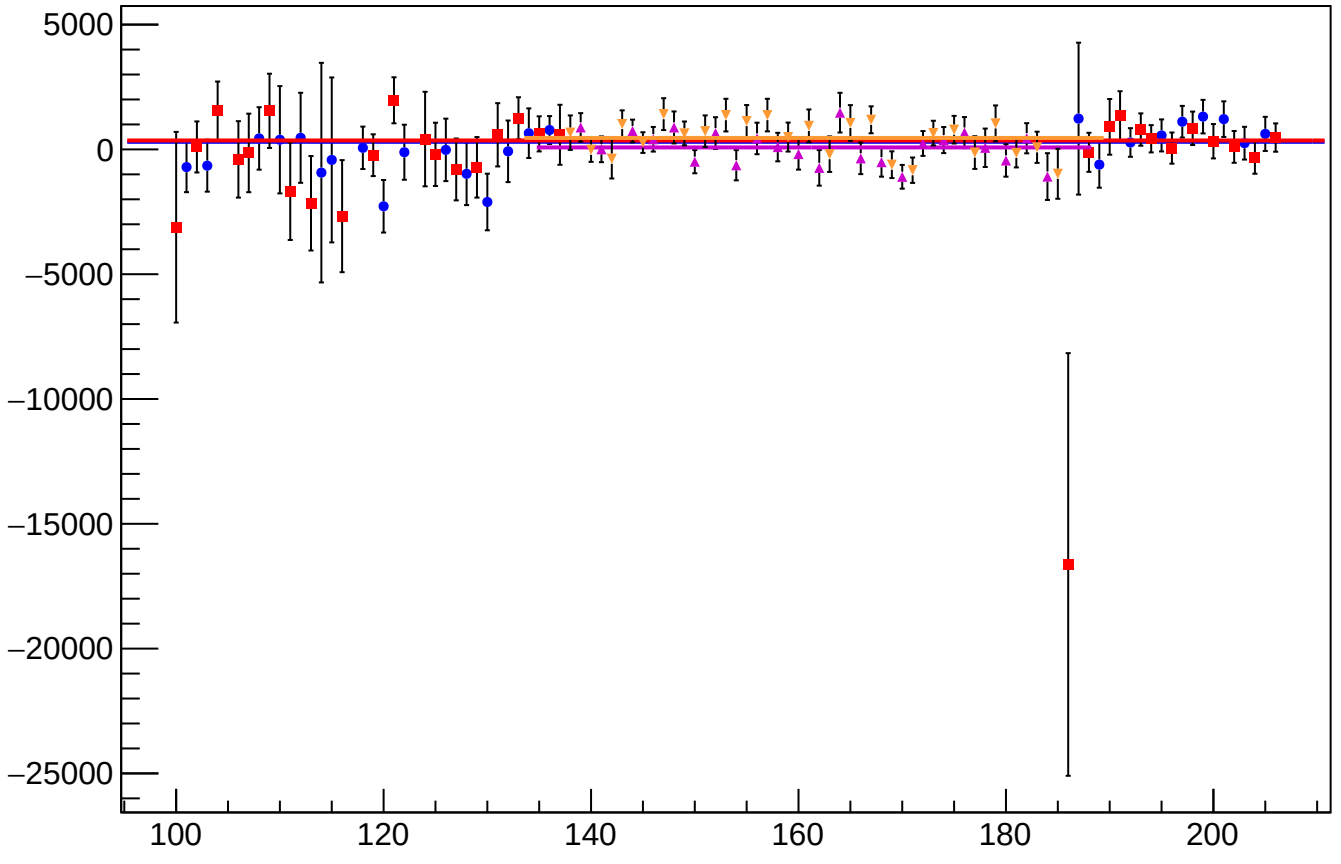
Right Out: 109.039+/-0.019 χ^2/NDF: 1138373.7/30

Left In: 98.673+/-0.017 χ^2/NDF:987808.4/22

+ sign 102.108+/-0.013 χ^2/NDF: 1996367.9/49

All: 102.593+/-0.009 χ^2/NDF: 4289592.8/103

- sign 103.072+/-0.013 χ^2/NDF: 2290339.7/53



Right In: 304.092+/-179.195 χ^2/NDF: 21.8/24

Left Out: 459.092+/-118.111 χ^2/NDF:30.8/24

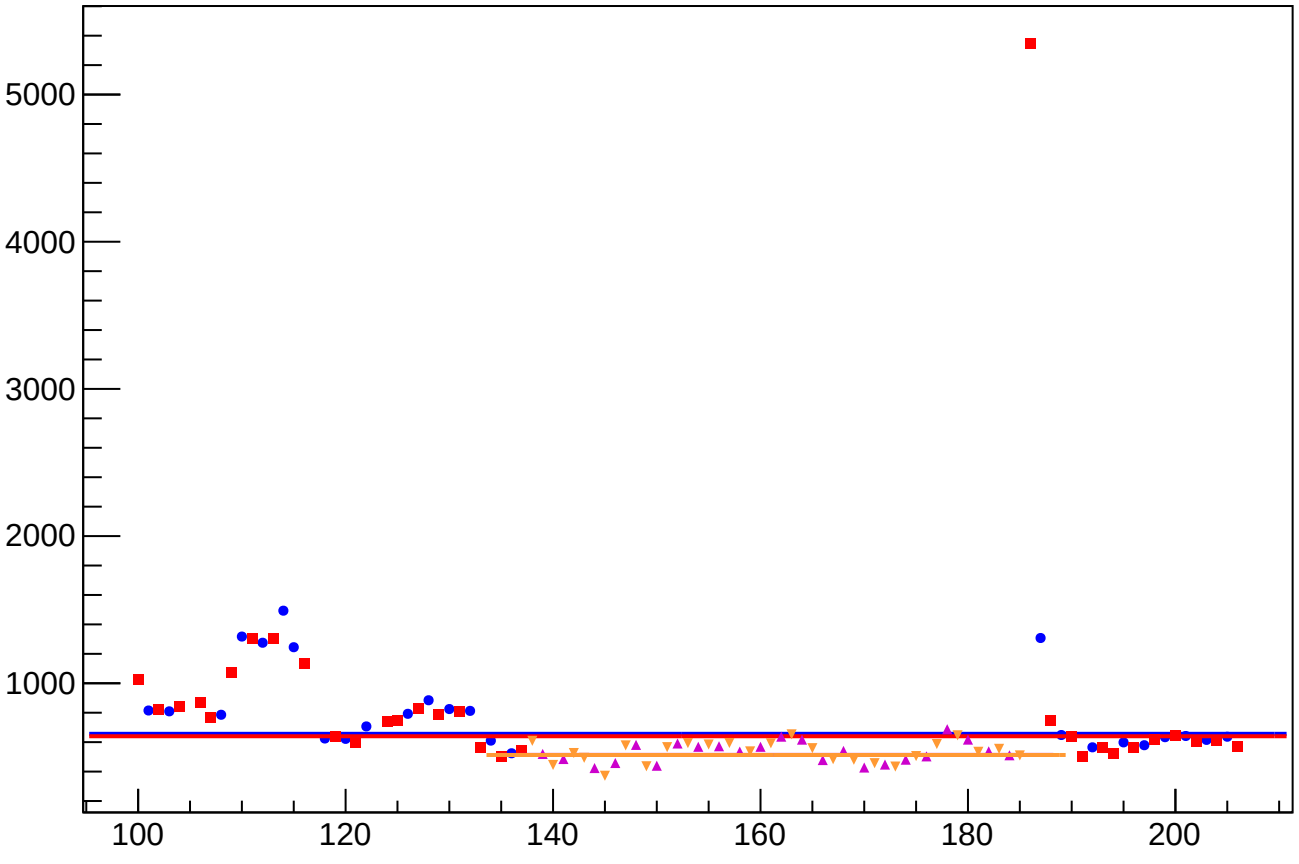
Right Out: 357.507+/-163.604 χ^2/NDF: 22.4/30

Left In: 78.791+/-121.436 χ^2/NDF:26.2/22

\+ sign 412.148+/-98.617 χ^2/NDF: 53.1/49

All: 293.652+/-69.338 χ^2/NDF: 106.5/103

\- sign 177.800+/-97.510 χ^2/NDF: 50.5/53



Right In: 656.608+/-0.127 χ^2/NDF: 1167584.8/24

Left Out: 512.768+/-0.084 χ^2/NDF:799239.0/24

Right Out: 640.030+/-0.116 χ^2/NDF: 2080036.2/30

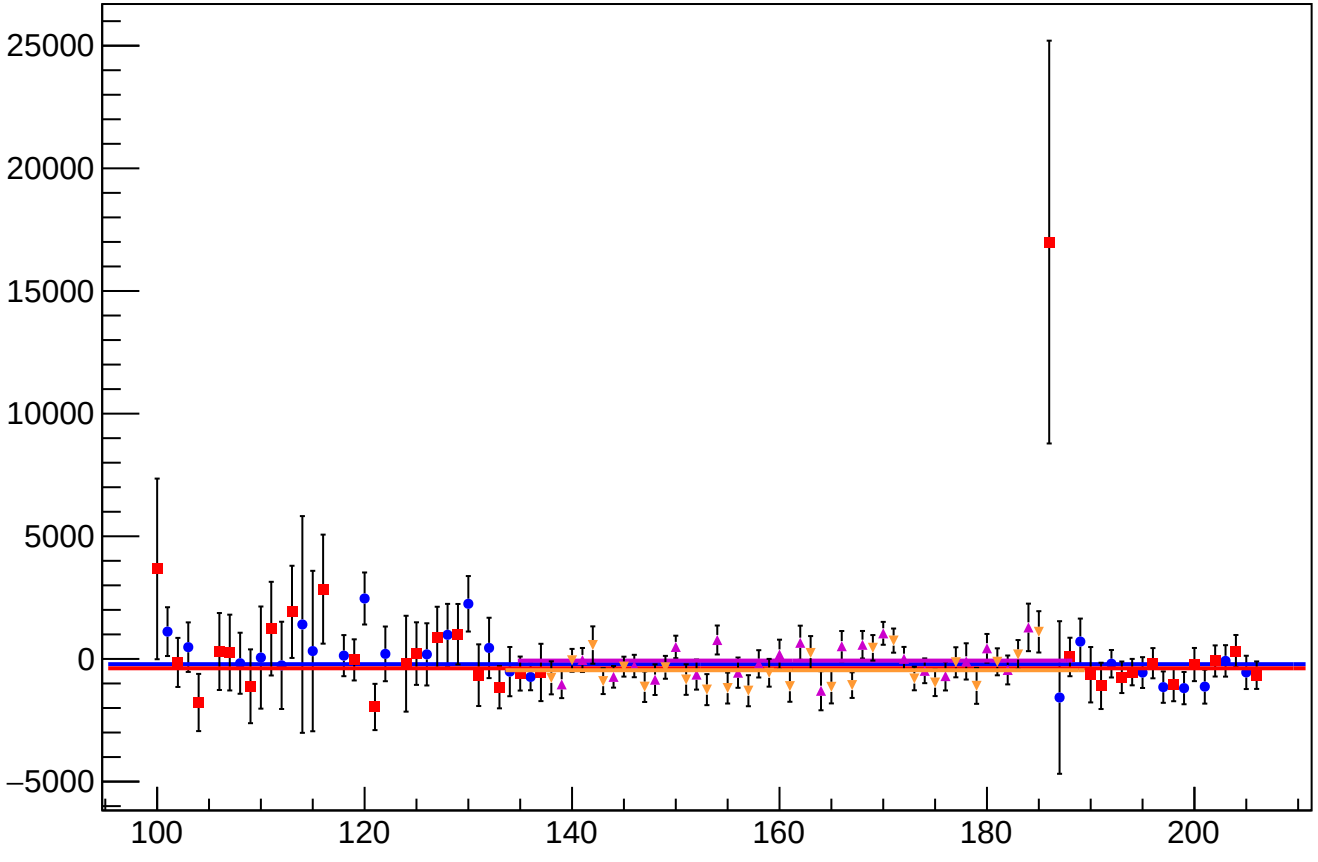
Left In: 513.374+/-0.086 χ^2/NDF:633997.9/22

+ sign 556.332+/-0.070 χ^2/NDF: 2865191.2/49

All: 557.361+/-0.049 χ^2/NDF: 6352502.6/103

- sign 558.367+/-0.069 χ^2/NDF: 3486880.9/53

asym_sam_26_48_dd_mean vs Slug



Right In: -213.994+/-176.988 χ^2/NDF: 24.0/24

Left Out: -459.862+/-114.233 χ^2/NDF:30.8/24

Right Out: -381.295+/-162.588 χ^2/NDF: 22.7/30

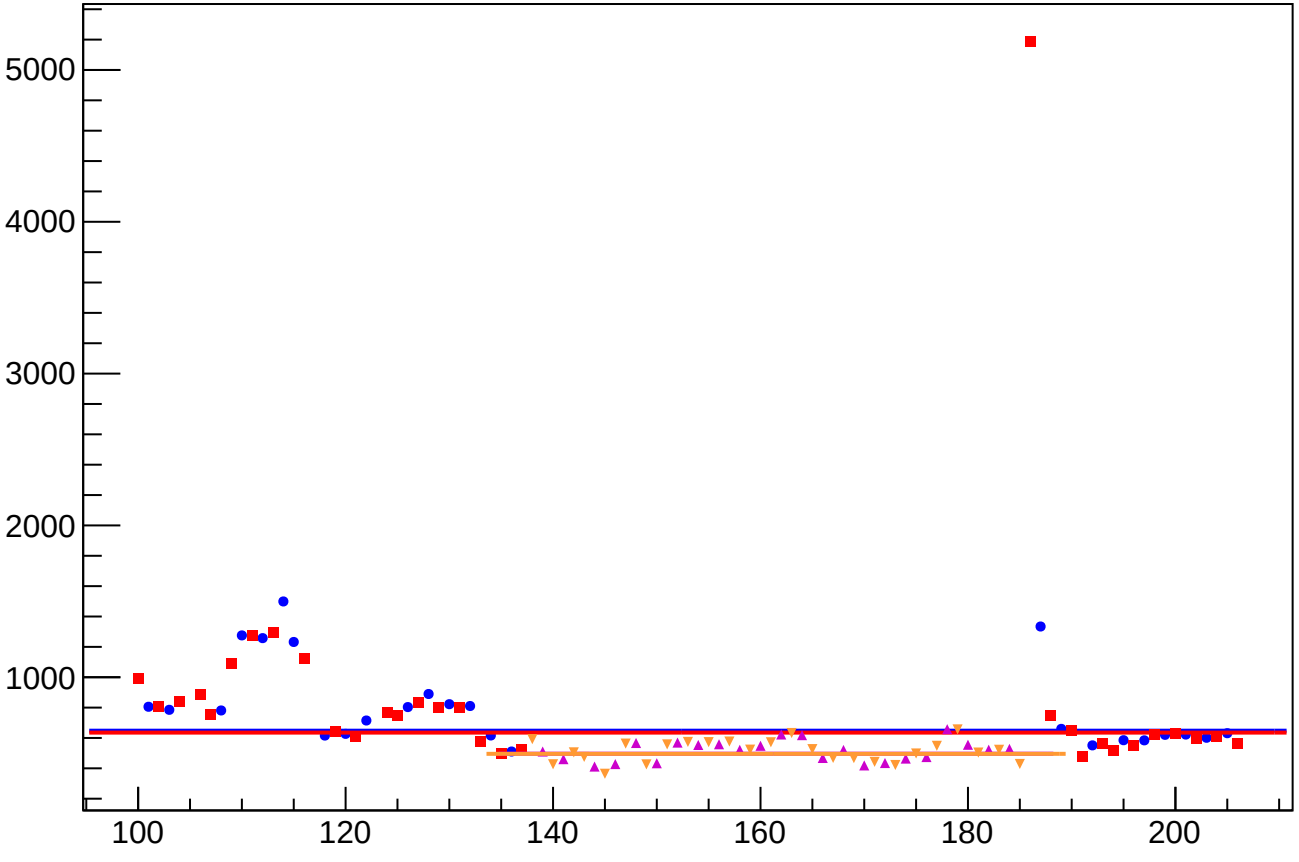
Left In: -68.043+/-117.366 χ^2/NDF:28.6/22

+ sign -387.559+/-95.978 χ^2/NDF: 56.2/49

All: -280.552+/-67.576 χ^2/NDF: 112.4/103

- sign -175.355+/-95.163 χ^2/NDF: 53.8/53

asym_sam_26_48_dd_rms vs Slug



Right In: 647.875+/-0.125 χ^2/NDF: 1206588.0/24

Left Out: 495.514+/-0.081 χ^2/NDF:804659.4/24

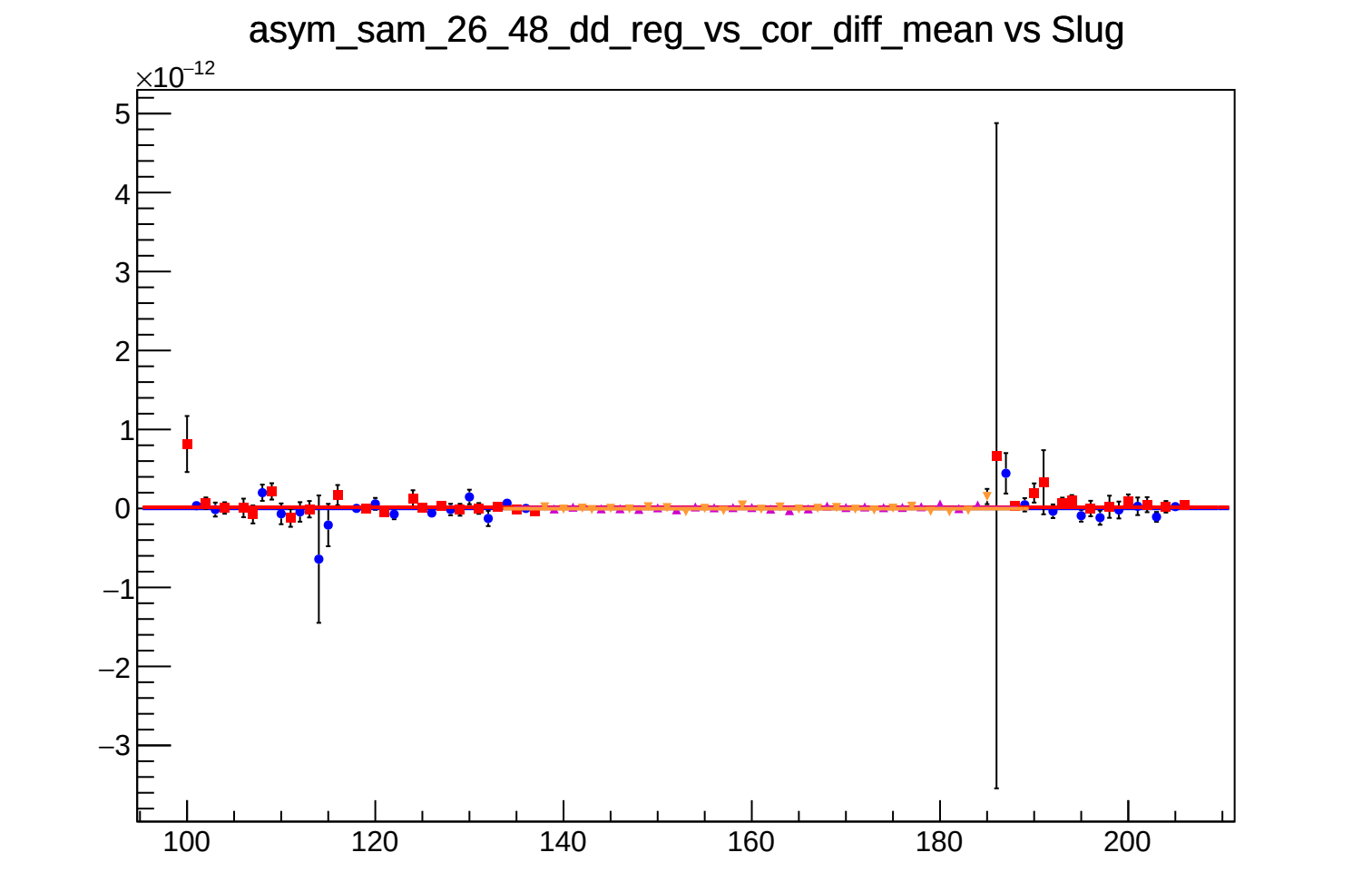
Right Out: 635.357+/-0.115 χ^2/NDF: 2126914.2/30

Left In: 496.307+/-0.083 χ^2/NDF:622356.2/22

+ sign 540.319+/-0.068 χ^2/NDF: 3057526.1/49

All: 542.146+/-0.048 χ^2/NDF: 6769930.7/103

- sign 543.942+/-0.067 χ^2/NDF: 3710967.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 27.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:25.1/24

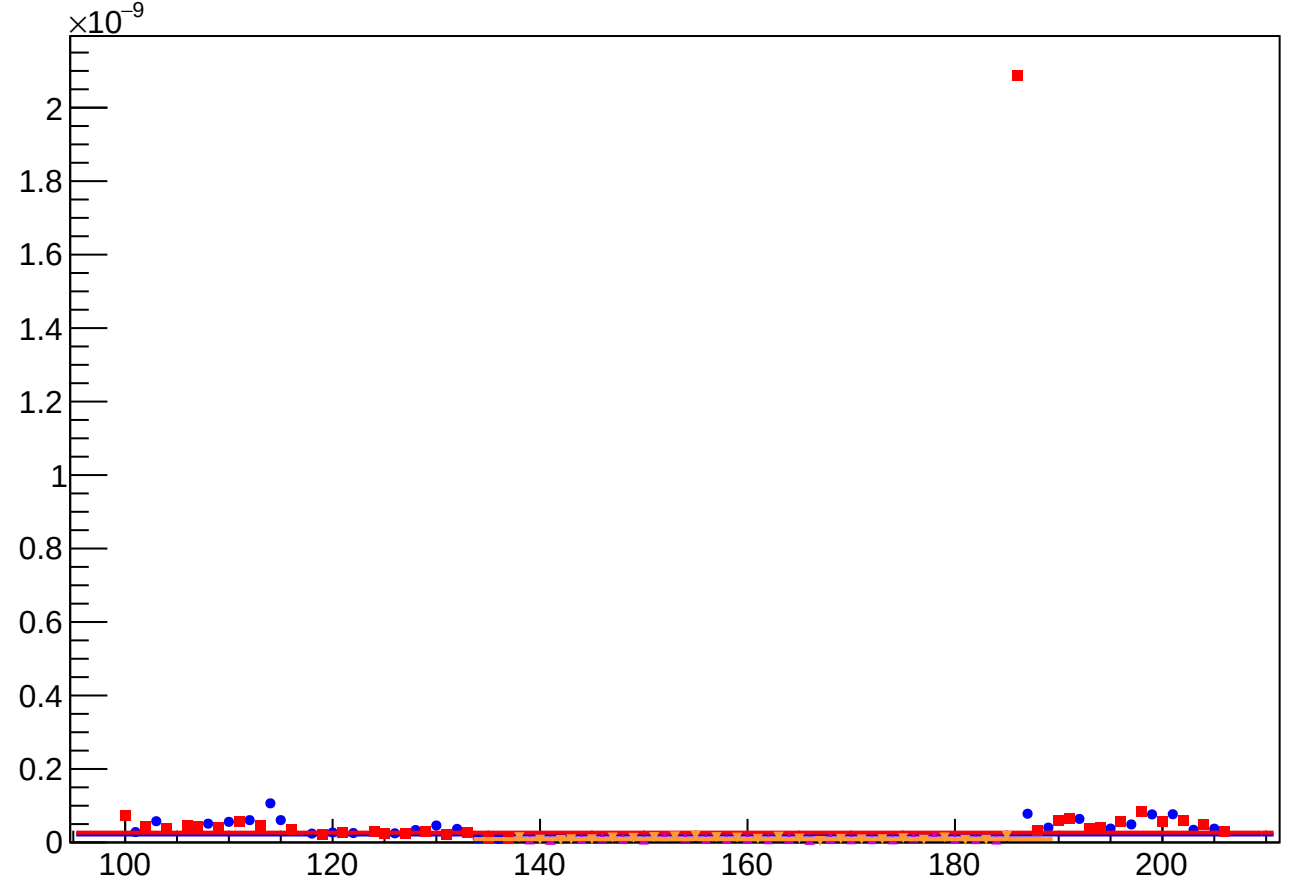
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/30

Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.7/49

All: 0.000+/-0.000 χ^2/NDF: 99.2/103

- sign 0.000+/-0.000 χ^2/NDF: 41.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 4861191.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:1832944.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4047074.6/30

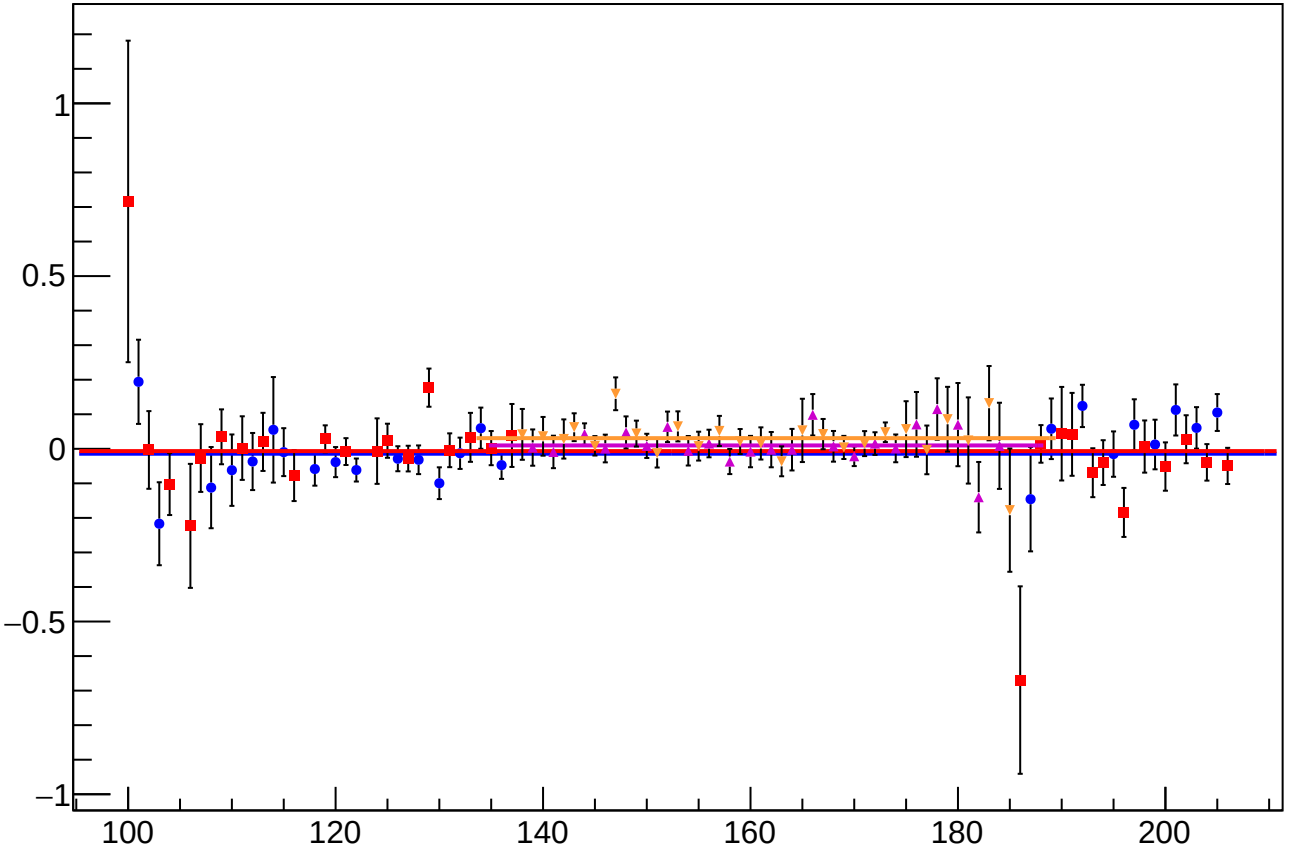
Left In: 0.000+/-0.000 χ^2/NDF:622904.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9152282.5/49

All: 0.000+/-0.000 χ^2/NDF: 17857814.7/103

- sign 0.000+/-0.000 χ^2/NDF: 8627043.1/53

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.007+/-0.012 χ^2/NDF: 35.0/30

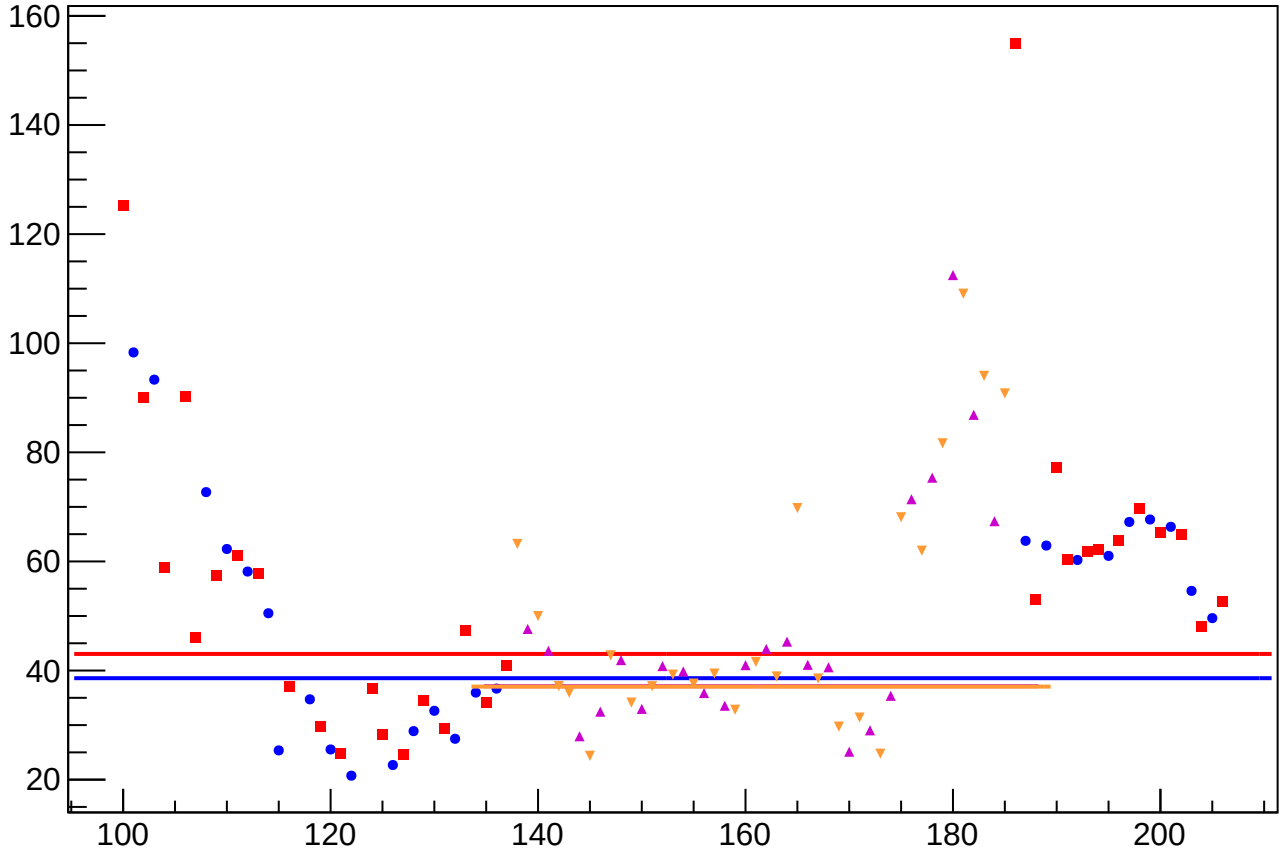
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.013+/-0.007 χ^2/NDF: 60.9/49

All: 0.008+/-0.005 χ^2/NDF: 111.3/103

- sign 0.003+/-0.007 χ^2/NDF: 49.4/53

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 38.600+/-0.008 χ^2/NDF: 4623553.5/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

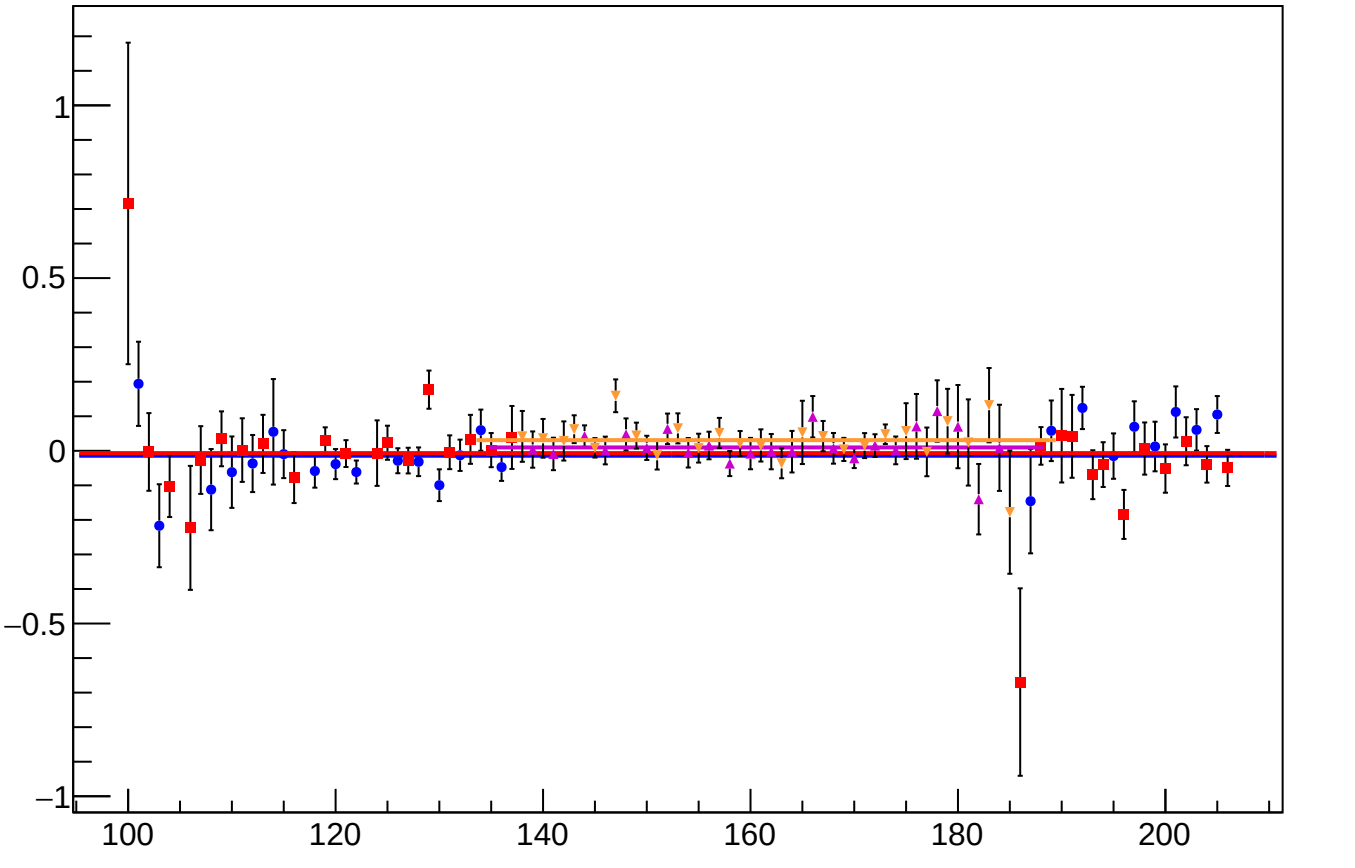
Right Out: 43.045+/-0.008 χ^2/NDF: 4262253.1/30

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 37.657+/-0.005 χ^2/NDF: 8699469.3/49

All: 38.538+/-0.004 χ^2/NDF: 16351056.6/103

- sign 39.460+/-0.005 χ^2/NDF: 7589172.8/53



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

Right Out: -0.007+/-0.012 χ^2/NDF: 35.0/30

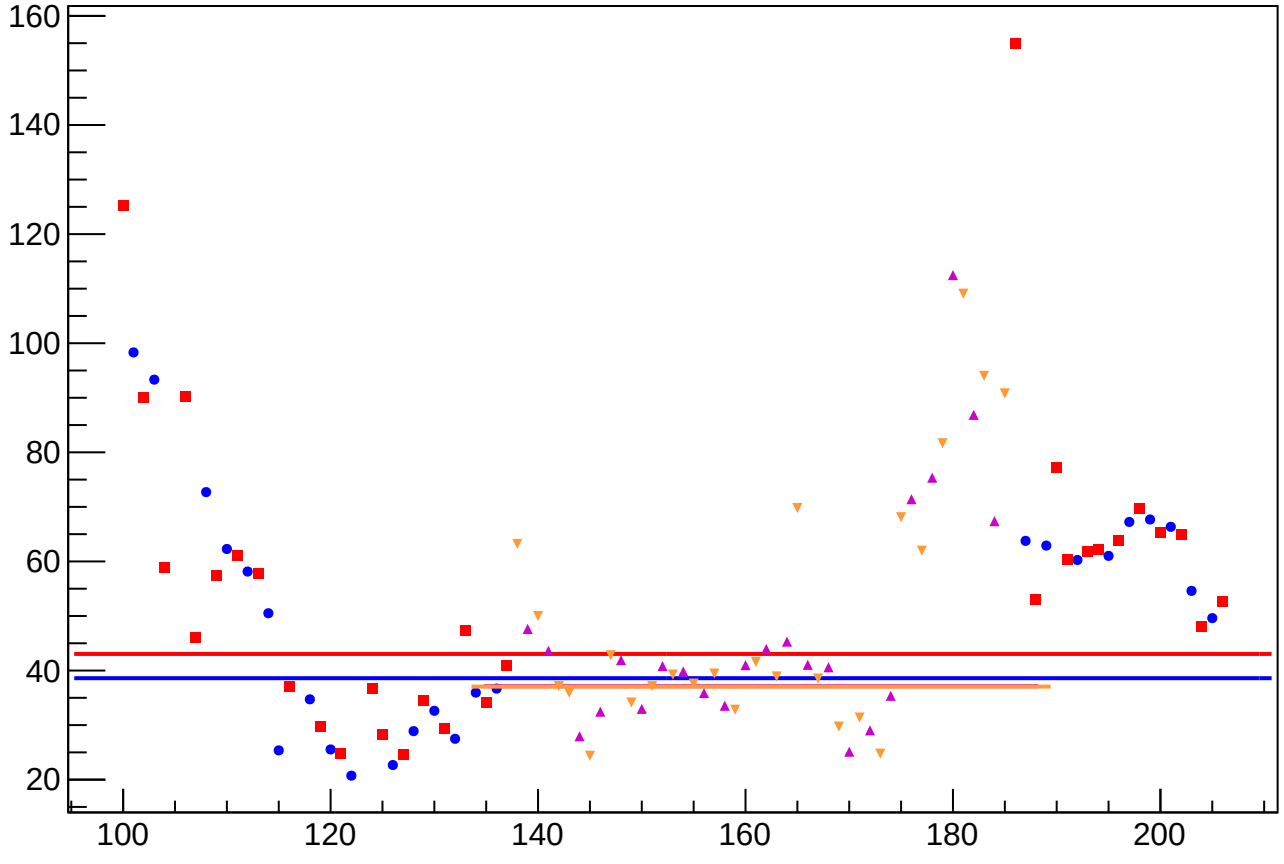
Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.013+/-0.007 χ^2/NDF: 60.9/49

All: 0.008+/-0.005 χ^2/NDF: 111.3/103

- sign 0.003+/-0.007 χ^2/NDF: 49.4/53

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 38.600+/-0.008 χ^2/NDF: 4623553.5/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053719.8/24

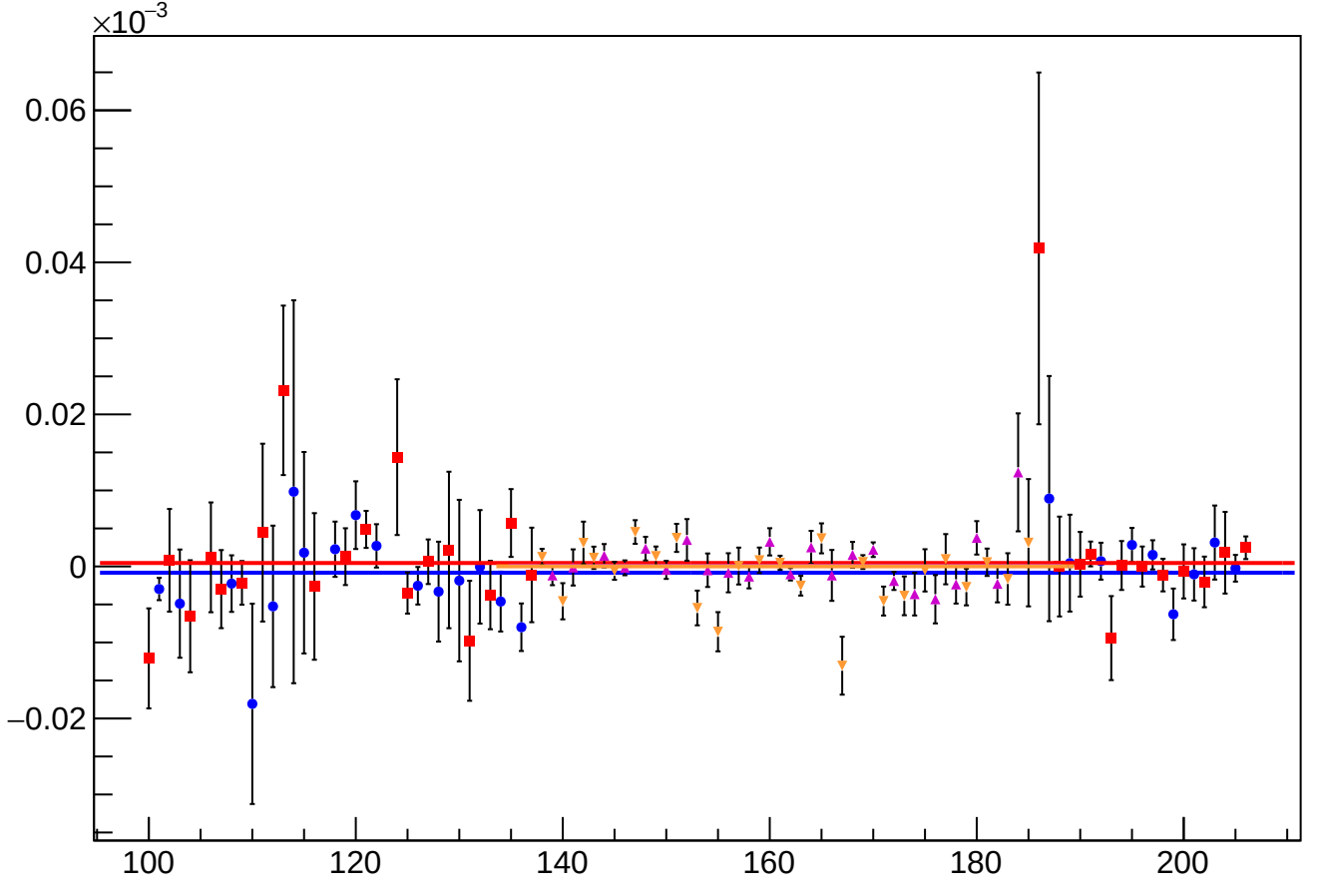
Right Out: 43.045+/-0.008 χ^2/NDF: 4262253.1/30

Left In: 37.127+/-0.007 χ^2/NDF:3012795.5/22

+ sign 37.657+/-0.005 χ^2/NDF: 8699469.3/49

All: 38.538+/-0.004 χ^2/NDF: 16351056.6/103

- sign 39.460+/-0.005 χ^2/NDF: 7589172.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 25.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:67.6/24

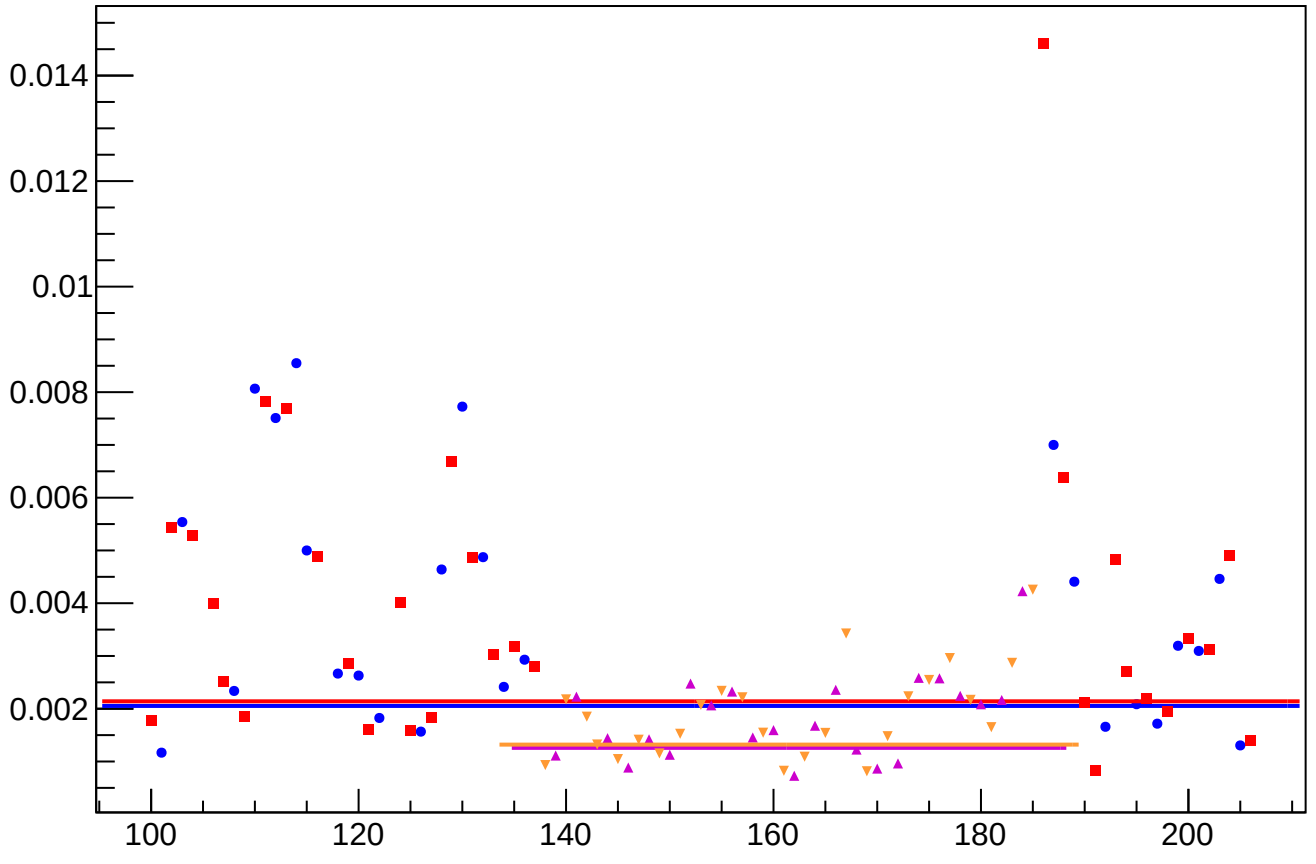
Right Out: 0.000+/-0.000 χ^2/NDF: 31.6/30

Left In: 0.000+/-0.000 χ^2/NDF:32.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 94.0/49

All: 0.000+/-0.000 χ^2/NDF: 158.7/103

- sign 0.000+/-0.000 χ^2/NDF: 64.1/53



Right In: 0.002+/-0.000 χ^2/NDF: 5755899.5/24

Left Out: 0.001+/-0.000 χ^2/NDF:5632532.9/24

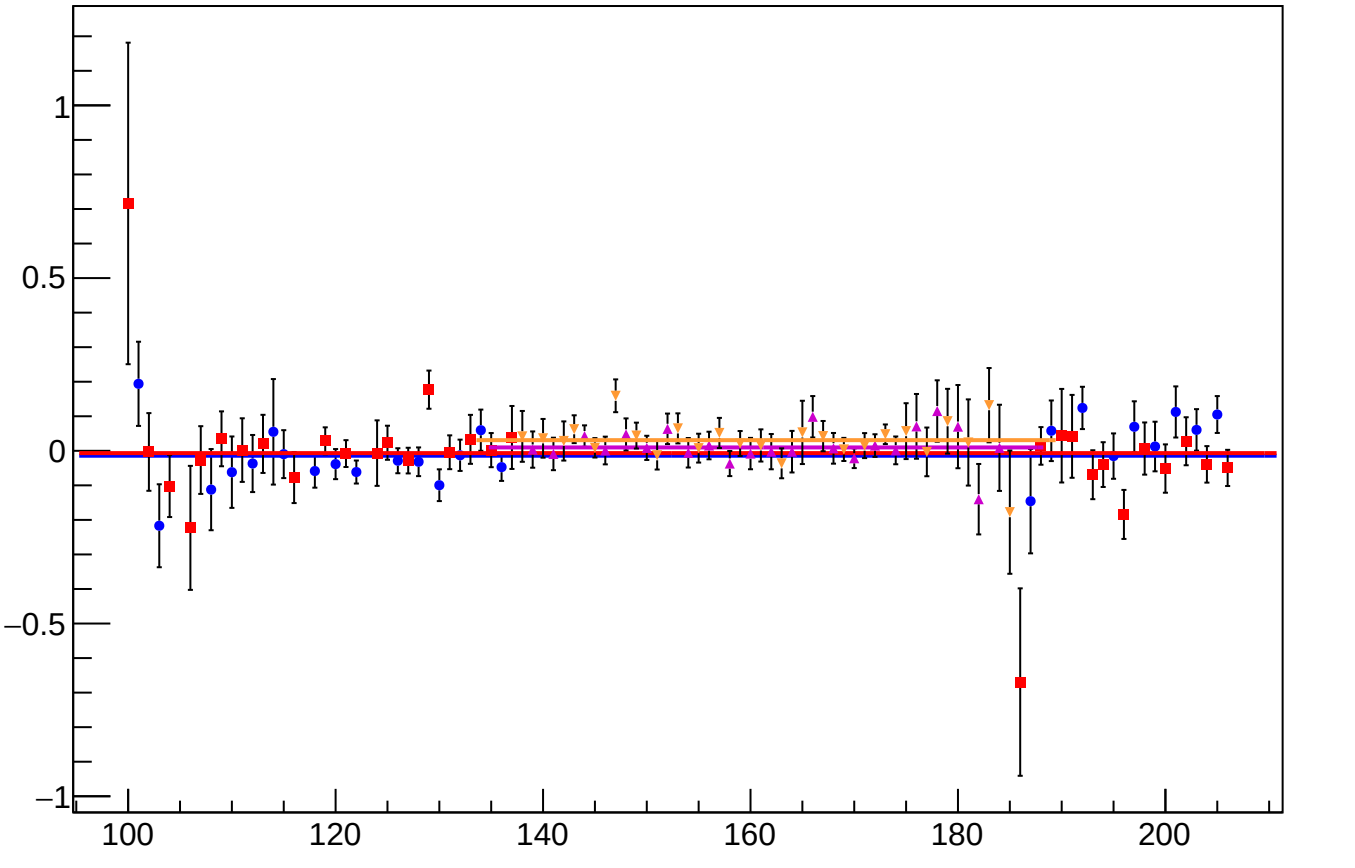
Right Out: 0.002+/-0.000 χ^2/NDF: 8016732.3/30

Left In: 0.001+/-0.000 χ^2/NDF:5369001.1/22

+ sign 0.001+/-0.000 χ^2/NDF: 13440015.1/49

All: 0.001+/-0.000 χ^2/NDF: 29920776.2/103

- sign 0.001+/-0.000 χ^2/NDF: 16472342.4/53



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

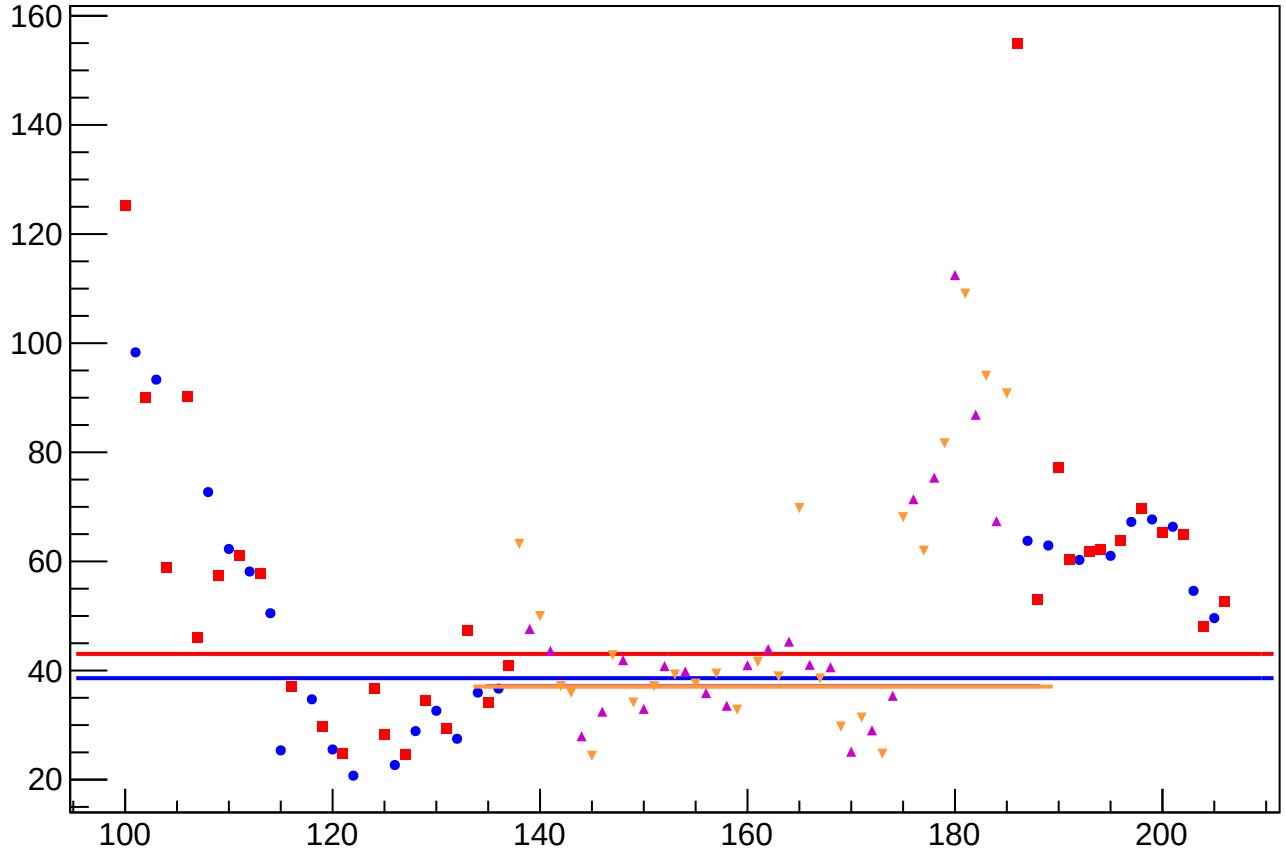
Right Out: -0.007+/-0.012 χ^2/NDF: 35.0/30

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.013+/-0.007 χ^2/NDF: 60.9/49

All: 0.008+/-0.005 χ^2/NDF: 111.3/103

- sign 0.003+/-0.007 χ^2/NDF: 49.4/53



Right In: 38.600+/-0.008 χ^2/NDF: 4623453.0/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

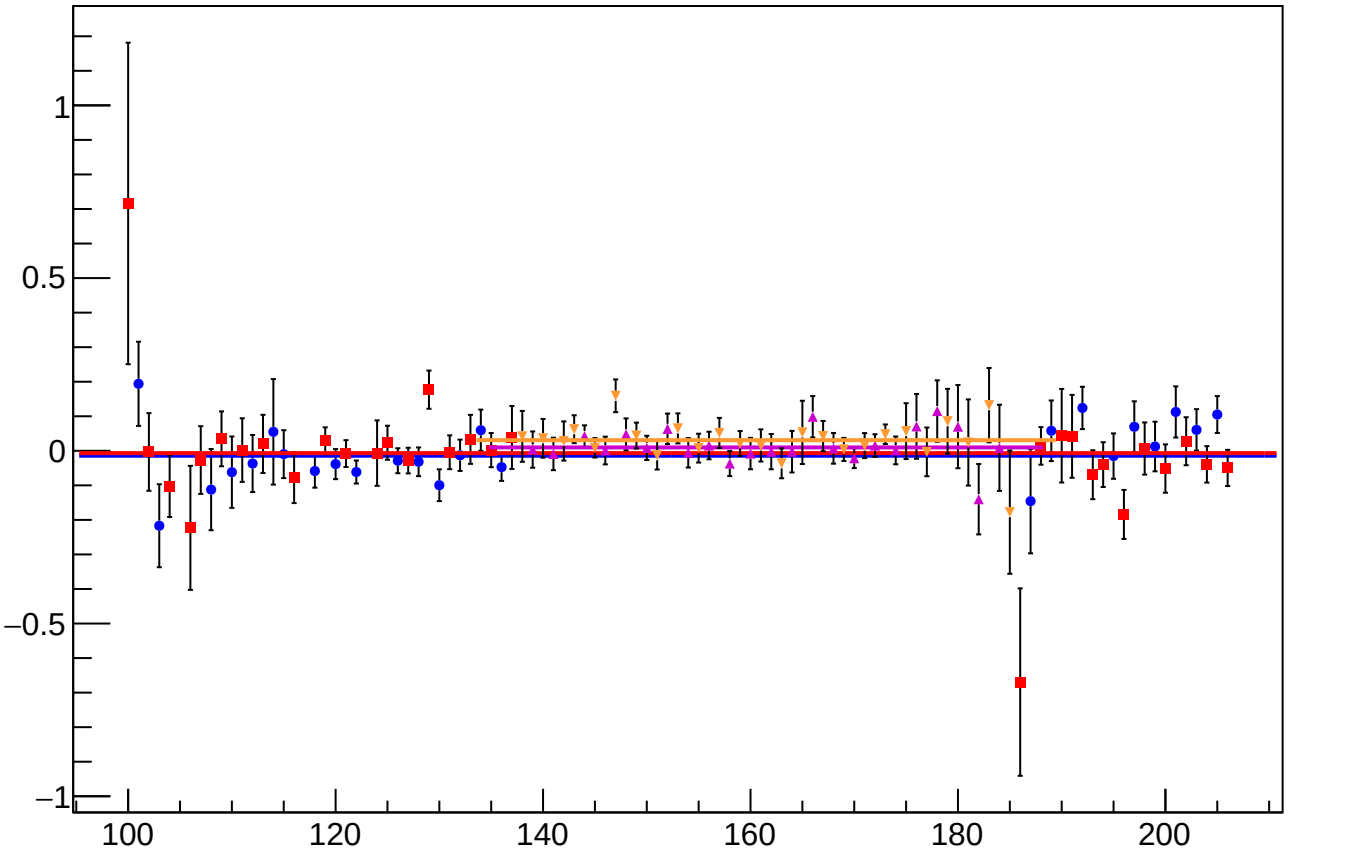
Right Out: 43.045+/-0.008 χ^2/NDF: 4262048.3/30

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 37.657+/-0.005 χ^2/NDF: 8699388.5/49

All: 38.538+/-0.004 χ^2/NDF: 16350790.4/103

- sign 39.460+/-0.005 χ^2/NDF: 7588987.3/53



Right In: -0.014+/-0.011 χ^2/NDF: 33.6/24

Left Out: 0.031+/-0.009 χ^2/NDF:17.8/24

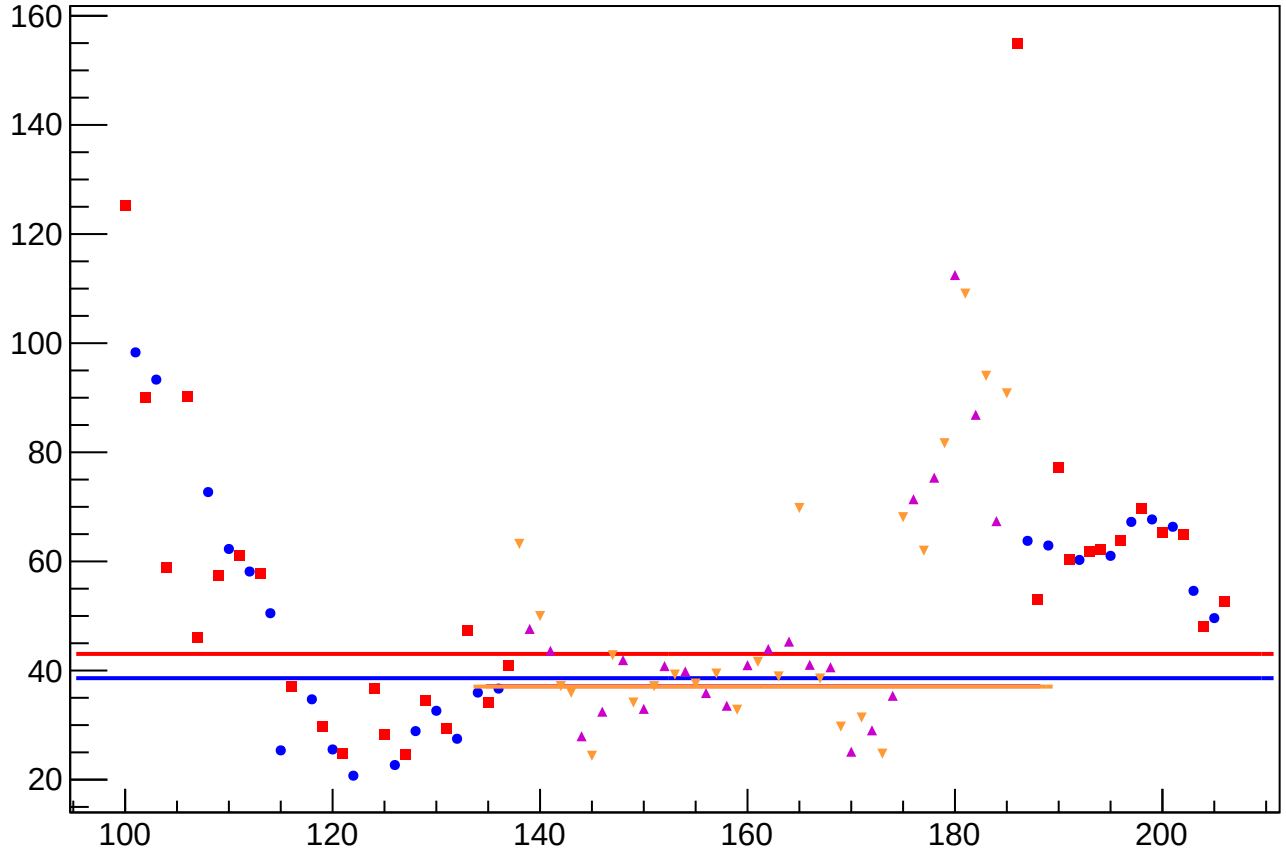
Right Out: -0.007+/-0.012 χ^2/NDF: 35.0/30

Left In: 0.010+/-0.009 χ^2/NDF:13.2/22

+ sign 0.013+/-0.007 χ^2/NDF: 60.9/49

All: 0.008+/-0.005 χ^2/NDF: 111.3/103

- sign 0.003+/-0.007 χ^2/NDF: 49.4/53



Right In: 38.600+/-0.008 χ^2/NDF: 4623453.0/24

Left Out: 37.057+/-0.006 χ^2/NDF:4053728.9/24

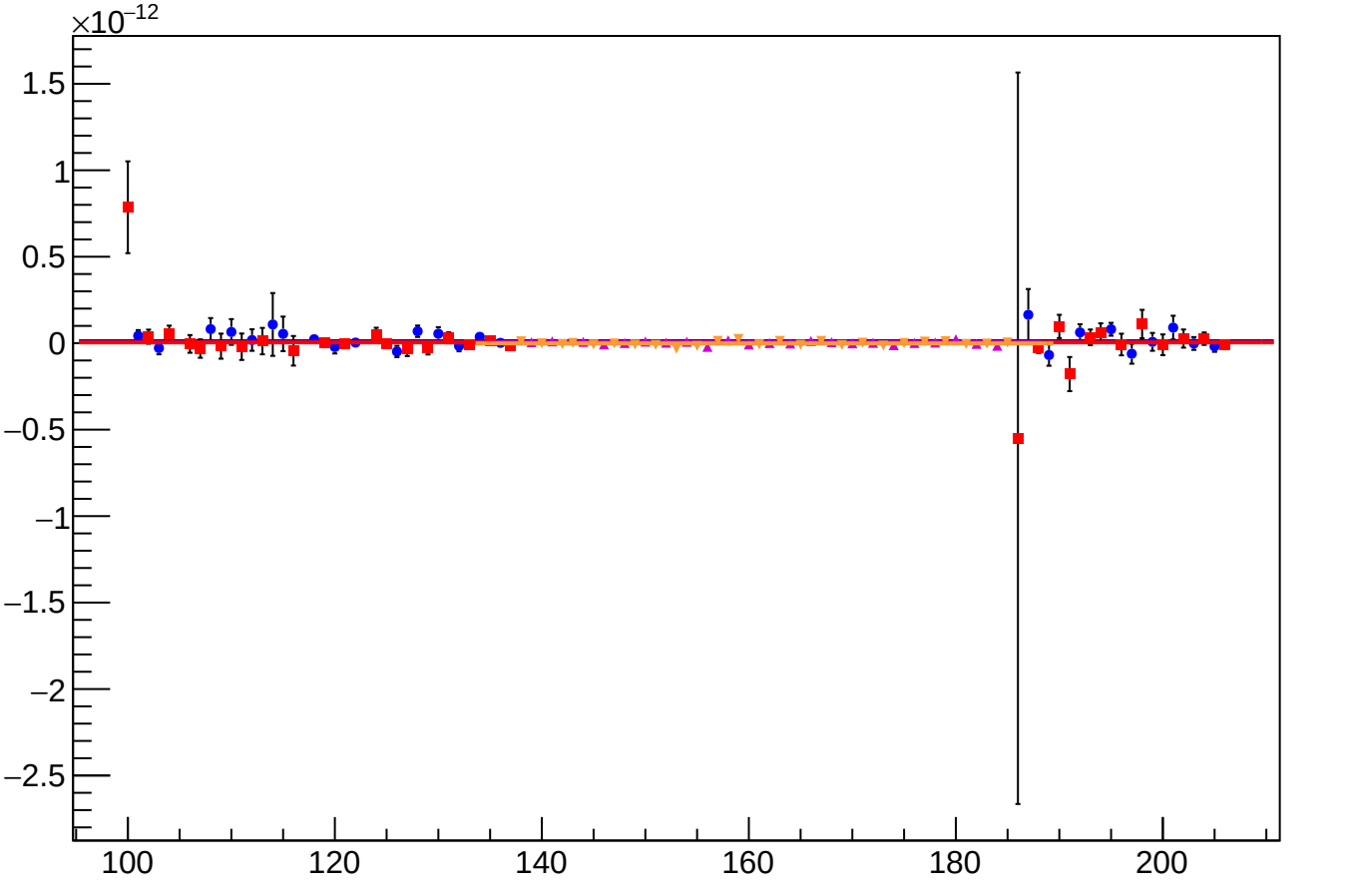
Right Out: 43.045+/-0.008 χ^2/NDF: 4262048.3/30

Left In: 37.127+/-0.007 χ^2/NDF:3012767.1/22

+ sign 37.657+/-0.005 χ^2/NDF: 8699388.5/49

All: 38.538+/-0.004 χ^2/NDF: 16350790.4/103

- sign 39.460+/-0.005 χ^2/NDF: 7588987.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 28.2/24

Left Out: -0.000+/-0.000 χ^2/NDF:26.0/24

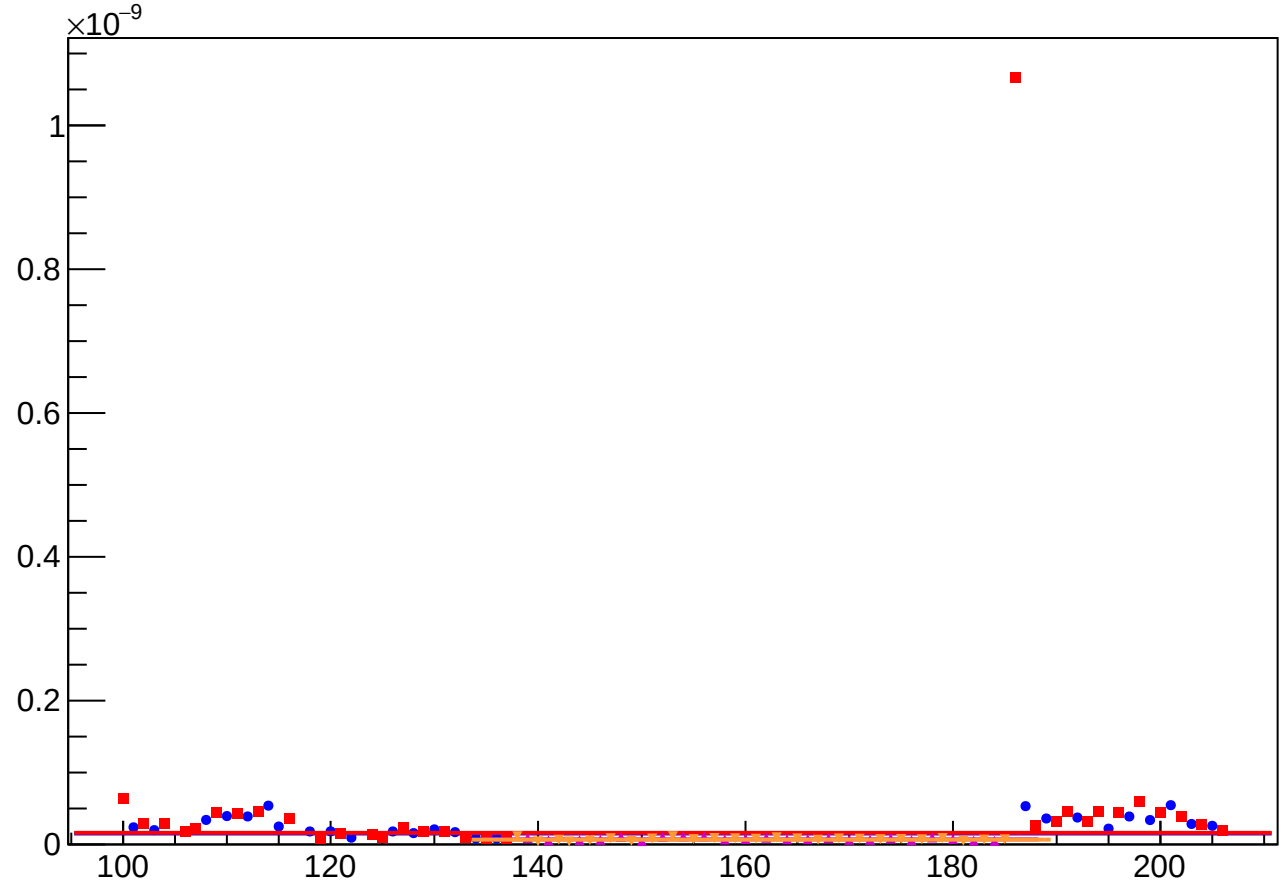
Right Out: 0.000+/-0.000 χ^2/NDF: 27.8/30

Left In: 0.000+/-0.000 χ^2/NDF:20.6/22

+ sign -0.000+/-0.000 χ^2/NDF: 58.4/49

All: 0.000+/-0.000 χ^2/NDF: 108.5/103

- sign 0.000+/-0.000 χ^2/NDF: 48.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 5124309.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1953818.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7184501.3/30

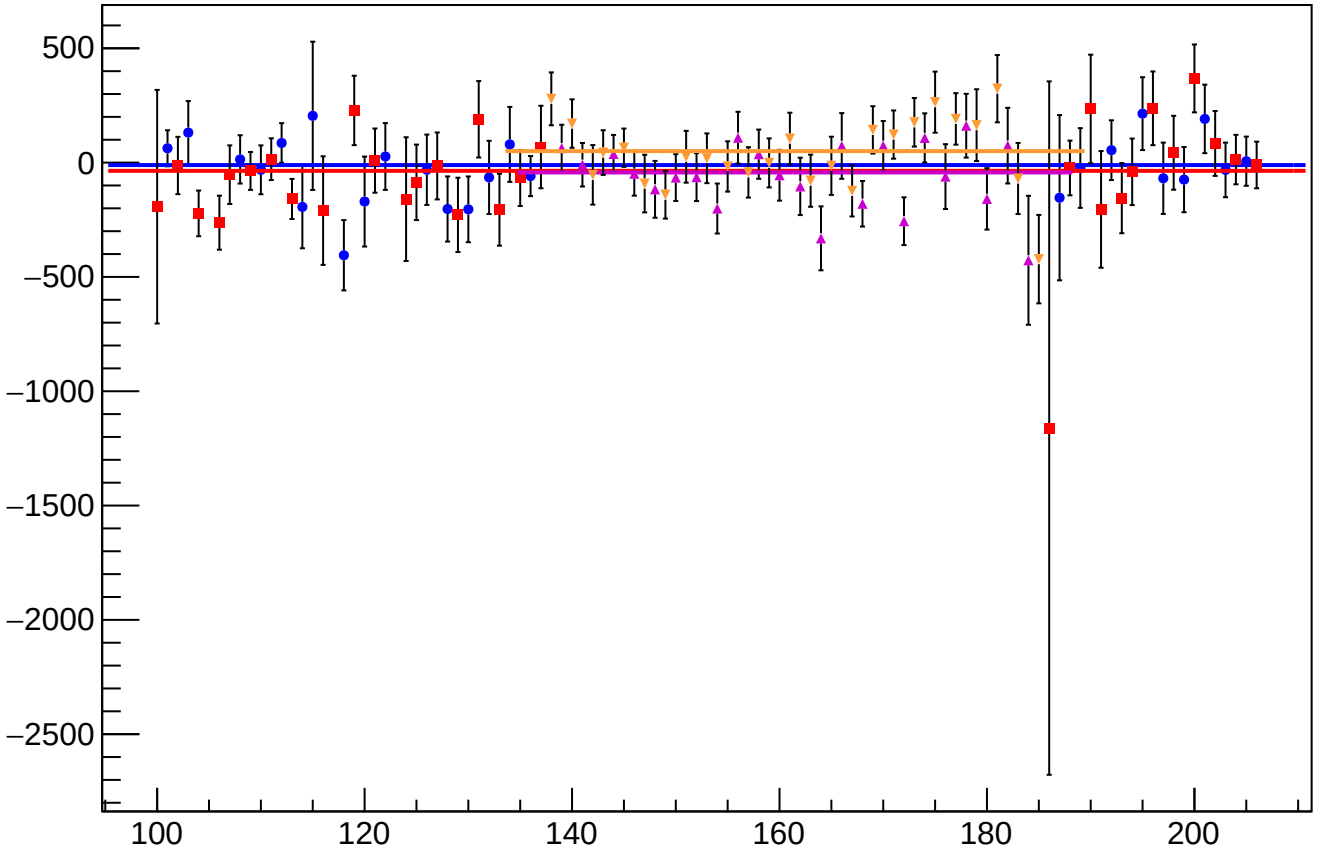
Left In: 0.000+/-0.000 χ^2/NDF:1431998.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10846031.7/49

All: 0.000+/-0.000 χ^2/NDF: 23708767.3/103

- sign 0.000+/-0.000 χ^2/NDF: 12768325.7/53

reg_asym_sam_1548_avg_mean vs Slug



Right In: -10.798+/-26.216 χ^2/NDF: 21.0/24

Left Out: 50.314+/-22.958 χ^2/NDF:33.5/24

Right Out: -35.962+/-24.525 χ^2/NDF: 32.8/30

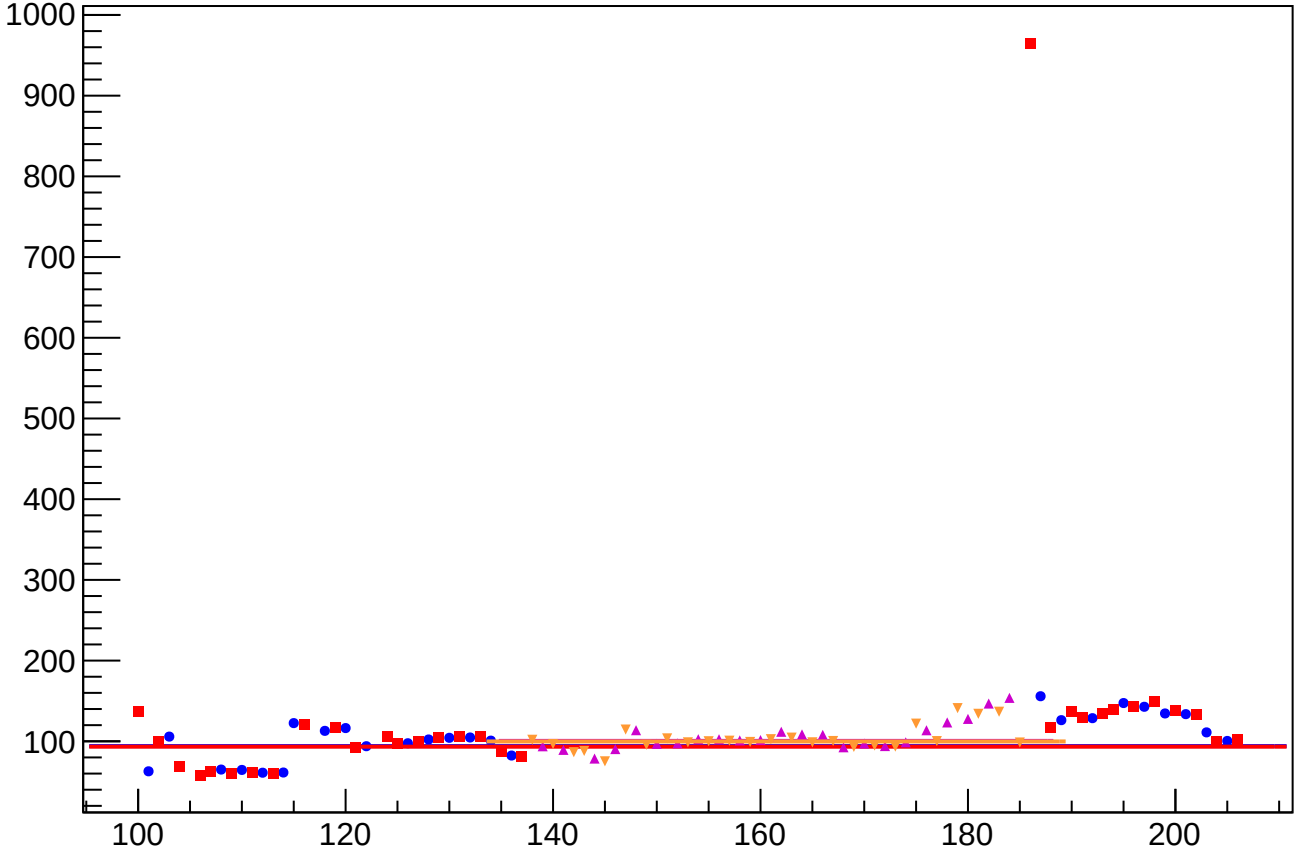
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.790+/-17.271 χ^2/NDF: 57.5/49

All: -8.291+/-12.139 χ^2/NDF: 123.8/103

- sign -39.606+/-17.064 χ^2/NDF: 59.4/53

reg_asym_sam_1548_avg_rms vs Slug



Right In: 94.041+/-0.019 χ^2/NDF: 2159505.1/24

Left Out: 99.839+/-0.016 χ^2/NDF:697768.7/24

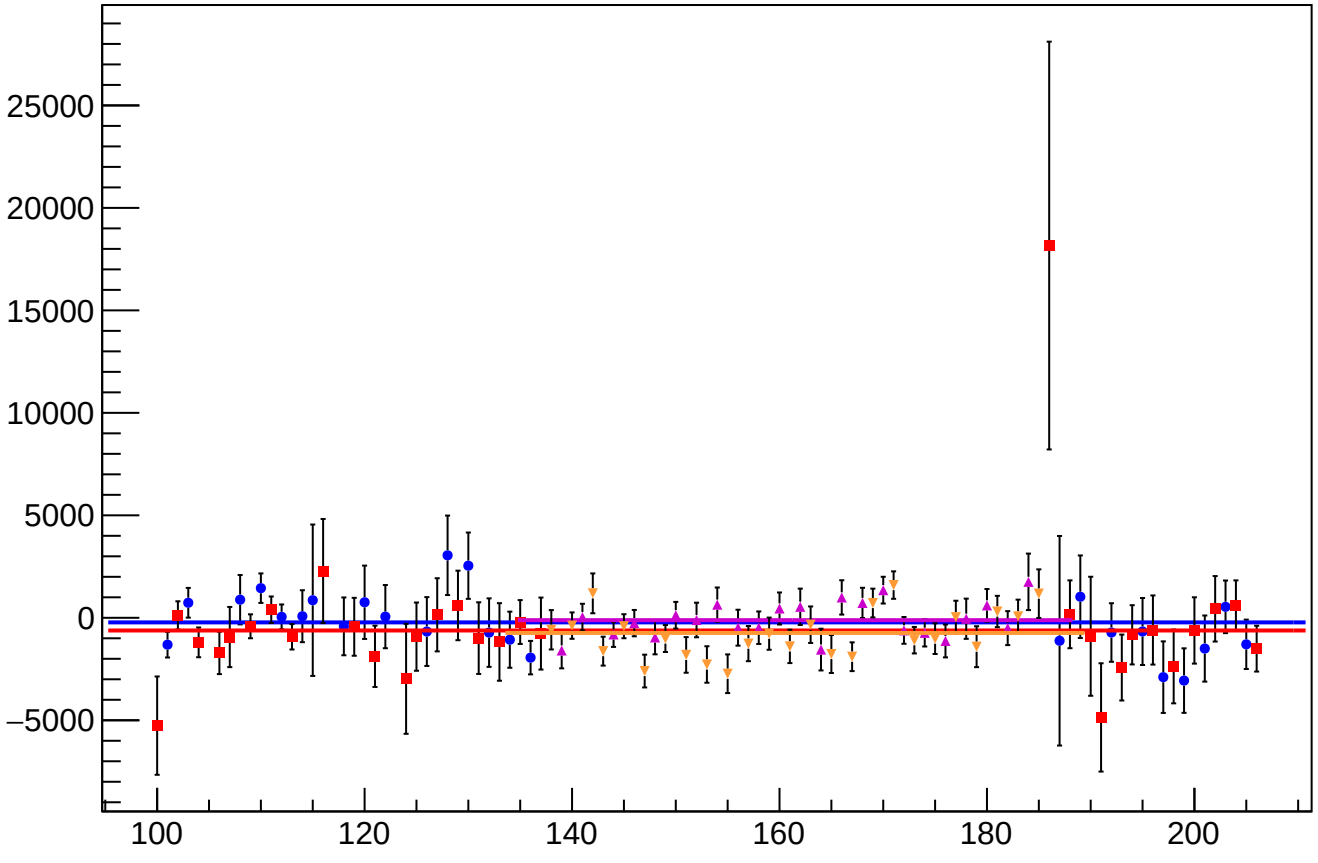
Right Out: 93.348+/-0.017 χ^2/NDF: 3425681.5/30

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

\+ sign 97.322+/-0.012 χ^2/NDF: 2912637.8/49

All: 97.178+/-0.009 χ^2/NDF: 7083138.6/103

\- sign 97.036+/-0.012 χ^2/NDF: 4170223.2/53



Right In: -223.617+/-231.232 χ^2/NDF: 30.4/24

Left Out: -738.364+/-156.311 χ^2/NDF:49.7/24

Right Out: -619.006+/-213.218 χ^2/NDF: 24.1/30

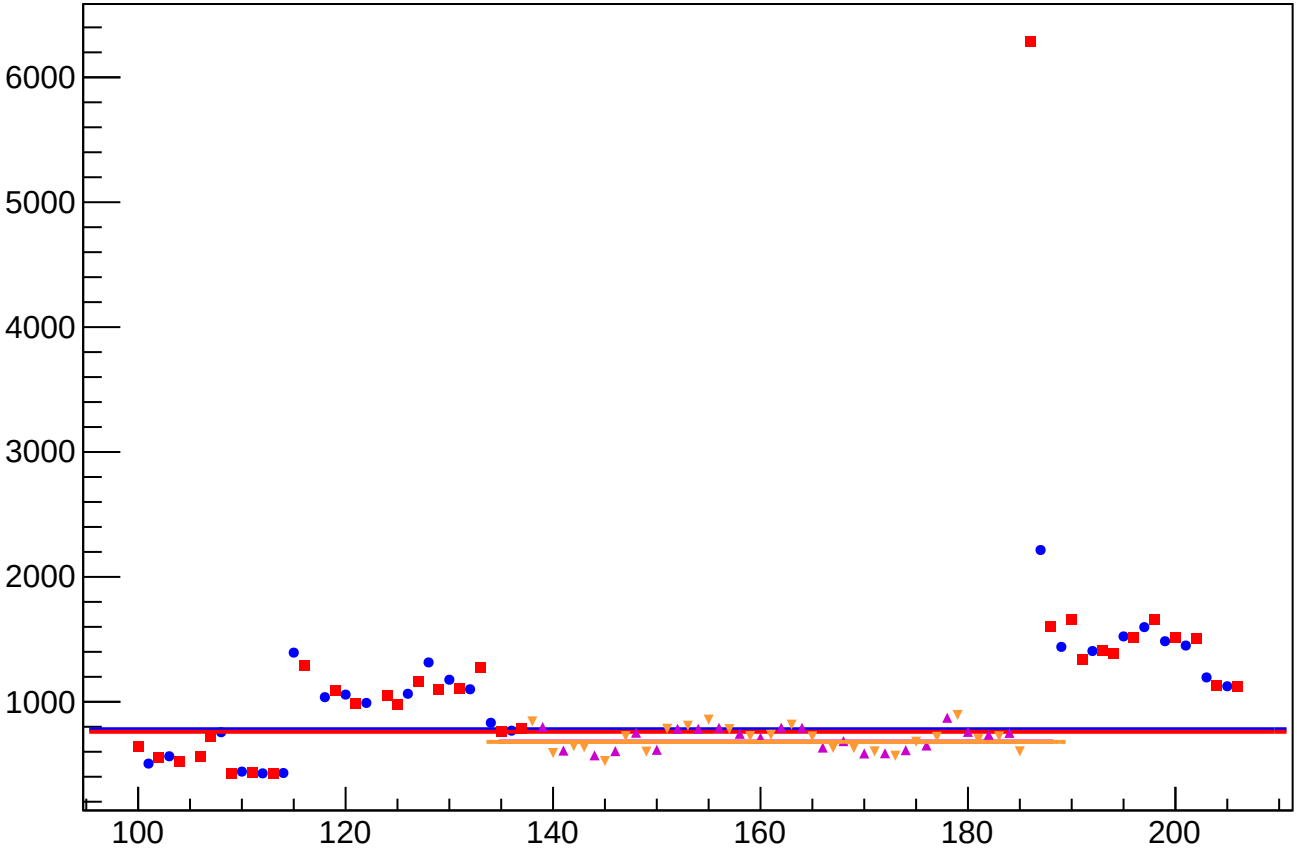
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -576.918+/-129.499 χ^2/NDF: 83.5/49

All: -436.564+/-91.207 χ^2/NDF: 137.2/103

- sign -298.410+/-128.480 χ^2/NDF: 51.3/53

asym_sam_1548_avg_reg_correction_rms vs Slug



Right In: 780.357+/-0.164 χ^2/NDF: 5186372.1/24

Left Out: 679.146+/-0.111 χ^2/NDF:737419.7/24

Right Out: 760.081+/-0.151 χ^2/NDF: 7234494.7/30

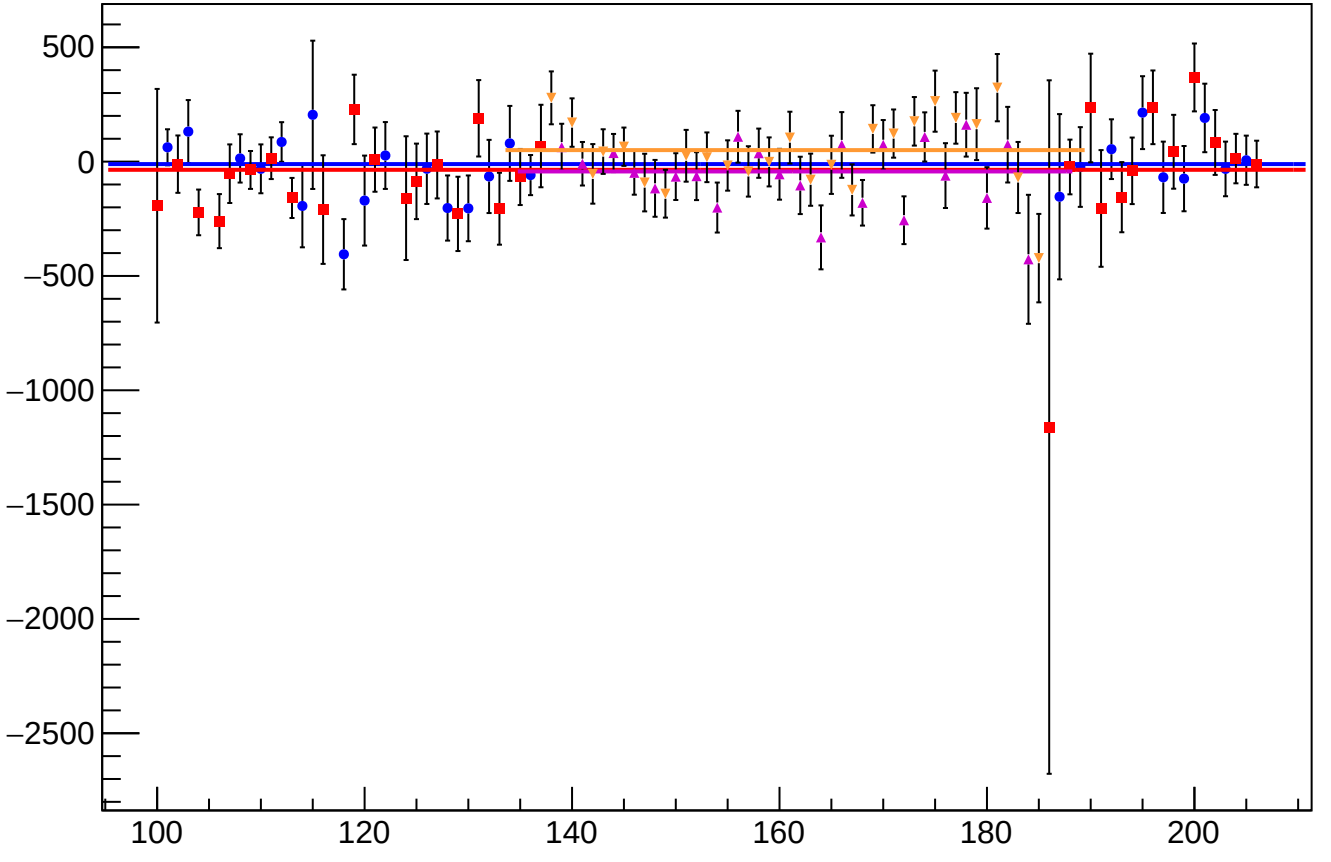
Left In: 681.893+/-0.114 χ^2/NDF:573812.4/22

+ sign 710.890+/-0.092 χ^2/NDF: 6186780.2/49

All: 710.584+/-0.064 χ^2/NDF: 14166398.7/10

- sign 710.283+/-0.091 χ^2/NDF: 7979596.3/53

cor_asym_sam_1548_avg_mean vs Slug



Right In: -10.801+/-26.216 χ^2/NDF: 21.0/24

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -35.785+/-24.526 χ^2/NDF: 32.7/30

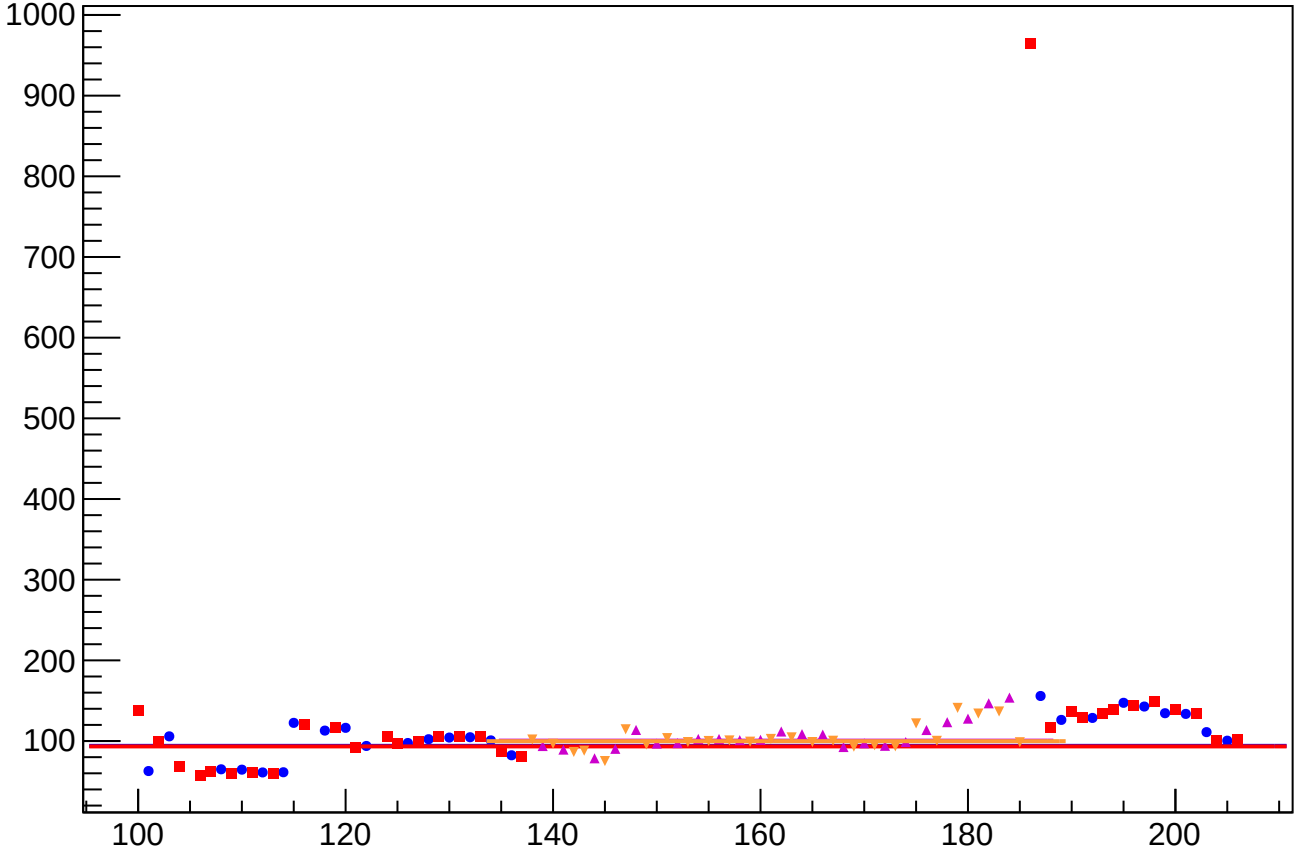
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.793+/-17.271 χ^2/NDF: 57.5/49

All: -8.245+/-12.139 χ^2/NDF: 123.7/103

- sign -39.521+/-17.064 χ^2/NDF: 59.4/53

cor_asym_sam_1548_avg_rms vs Slug



Right In: 94.041+/-0.019 χ^2/NDF: 2159506.4/24

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

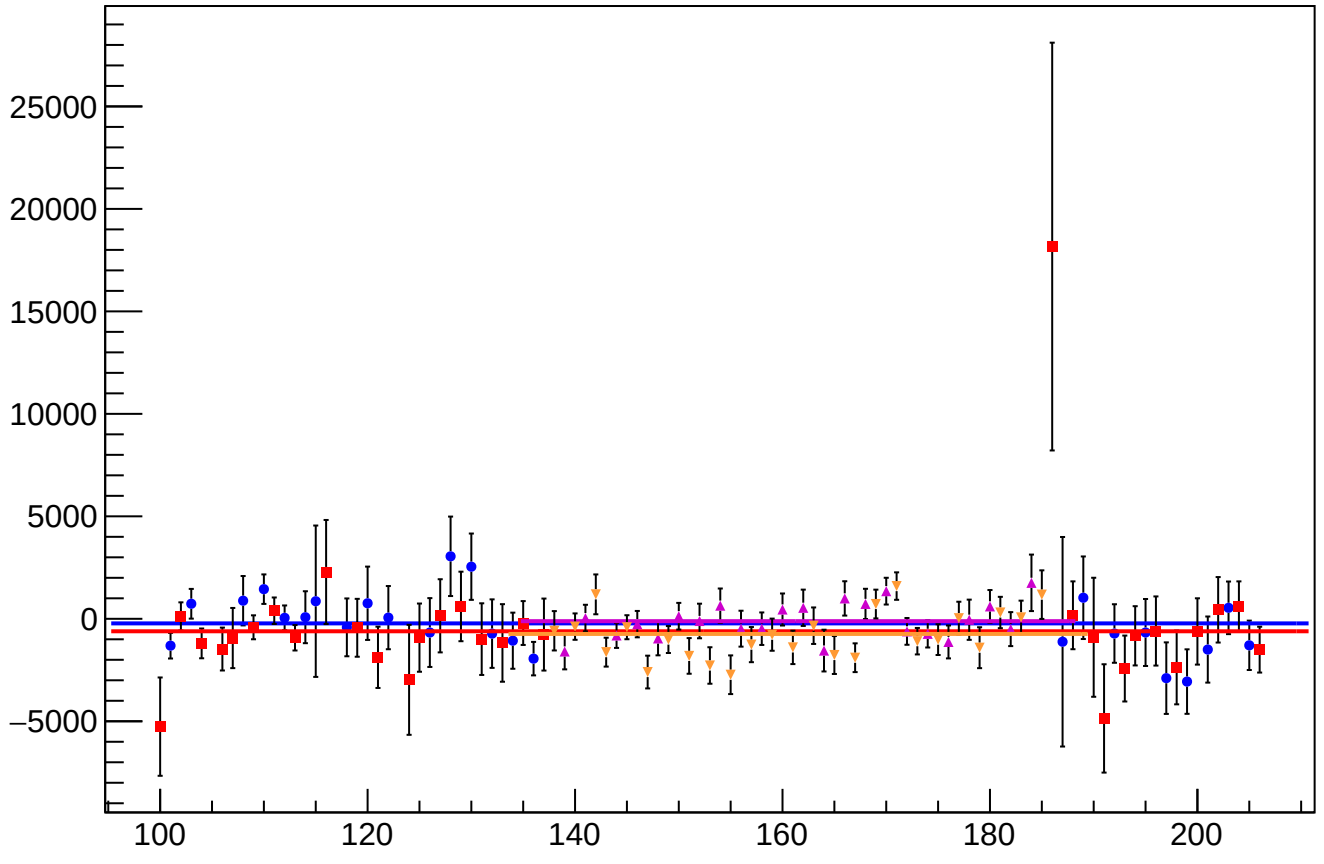
Right Out: 93.337+/-0.017 χ^2/NDF: 3429010.6/30

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 97.322+/-0.012 χ^2/NDF: 2912638.9/49

All: 97.175+/-0.009 χ^2/NDF: 7086752.1/103

- sign 97.031+/-0.012 χ^2/NDF: 4173825.2/53



Right In: -223.641+/-231.234 χ^2/NDF: 30.4/24

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

Right Out: -608.720+/-213.324 χ^2/NDF: 23.6/30

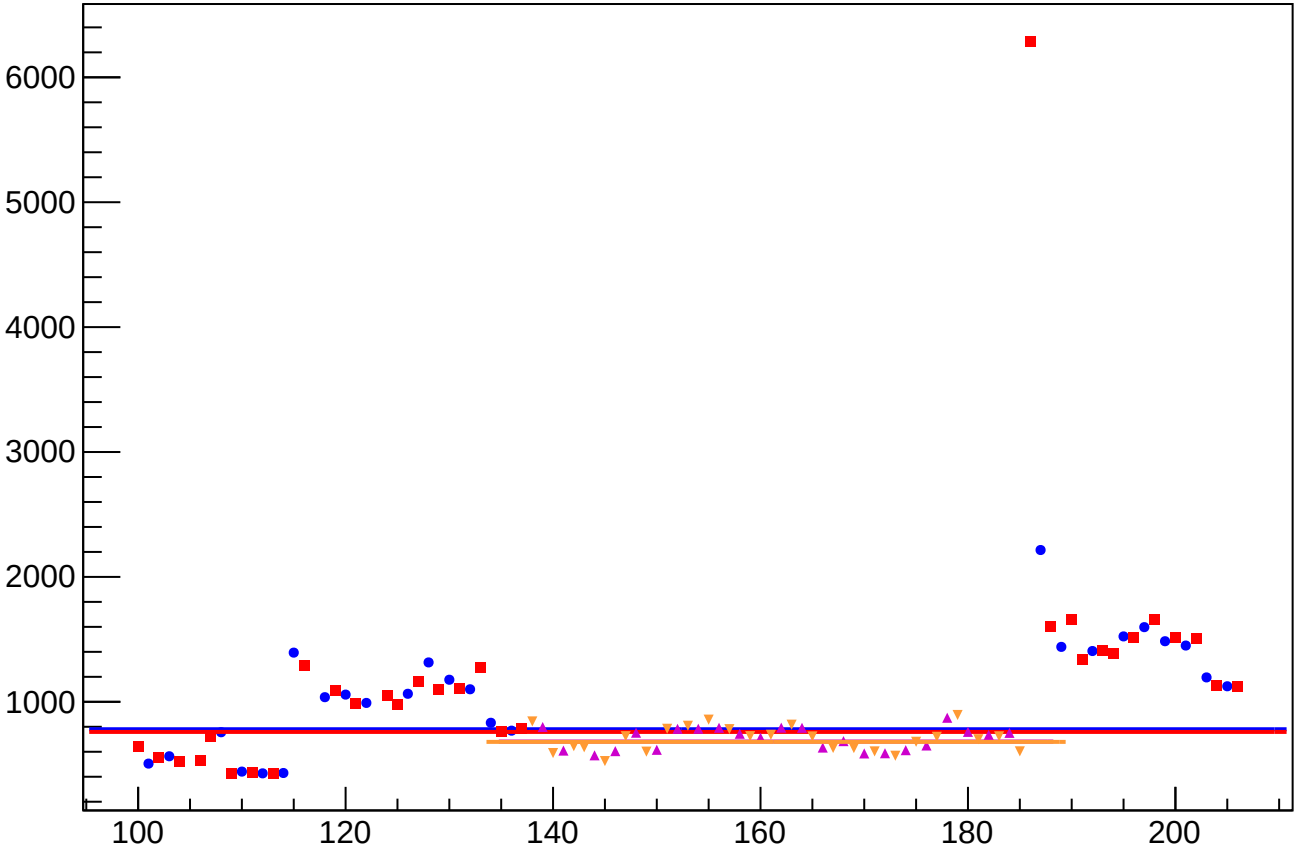
Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -576.919+/-129.499 χ^2/NDF: 83.5/49

All: -434.651+/-91.215 χ^2/NDF: 136.6/103

- sign -294.562+/-128.503 χ^2/NDF: 50.7/53

asym_sam_1548_avg_cor_correction_rms vs Slug



Right In: 780.367+/-0.164 χ^2/NDF: 5186243.3/24

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 758.896+/-0.151 χ^2/NDF: 7258931.4/30

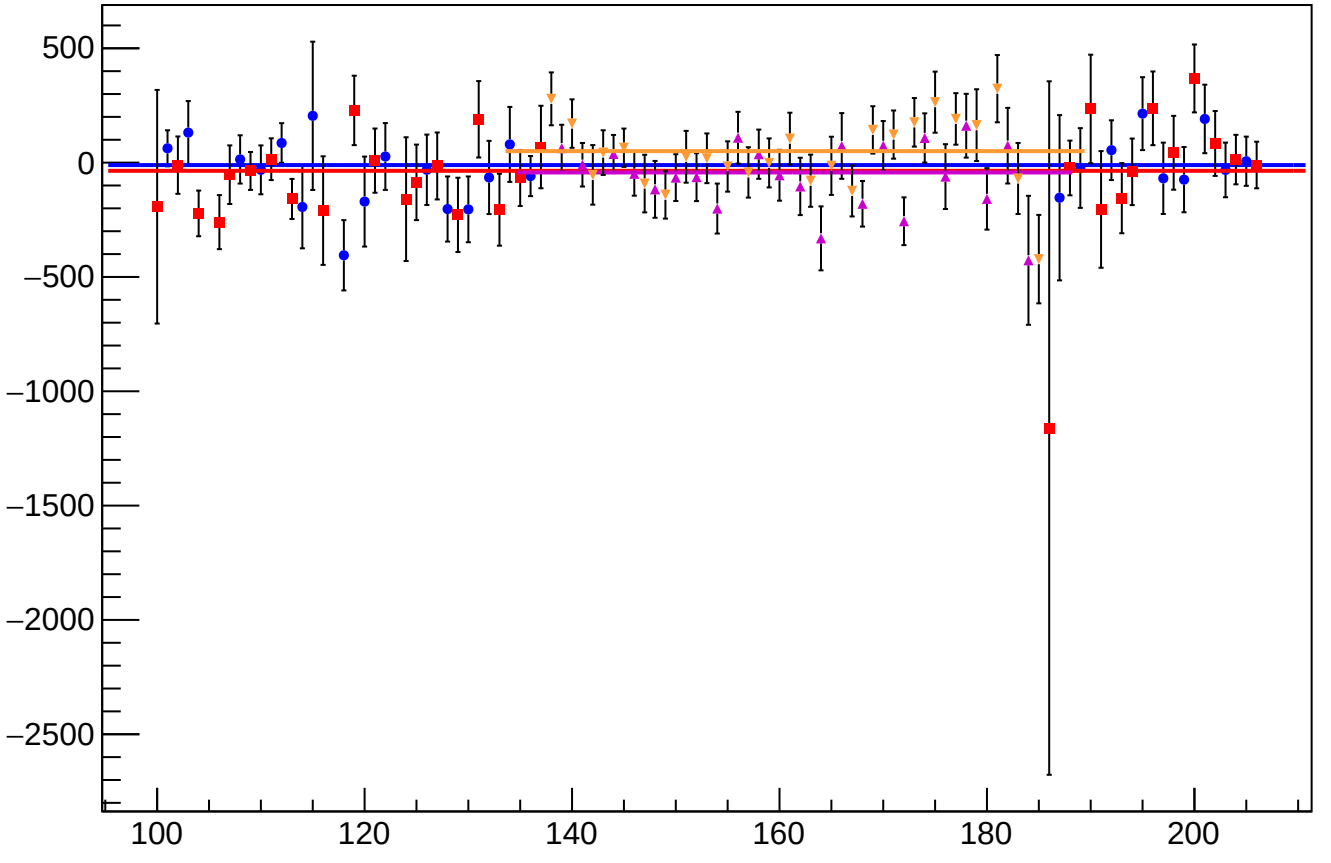
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 710.893+/-0.092 χ^2/NDF: 6186698.9/49

All: 710.360+/-0.064 χ^2/NDF: 14185543.3/10

- sign 709.835+/-0.091 χ^2/NDF: 7998777.1/53

eigen_cor_asym_sam_1548_avg_mean vs Slug



Right In: -10.801+/-26.216 χ^2/NDF: 21.0/24

Left Out: 50.322+/-22.958 χ^2/NDF:33.4/24

Right Out: -35.785+/-24.526 χ^2/NDF: 32.7/30

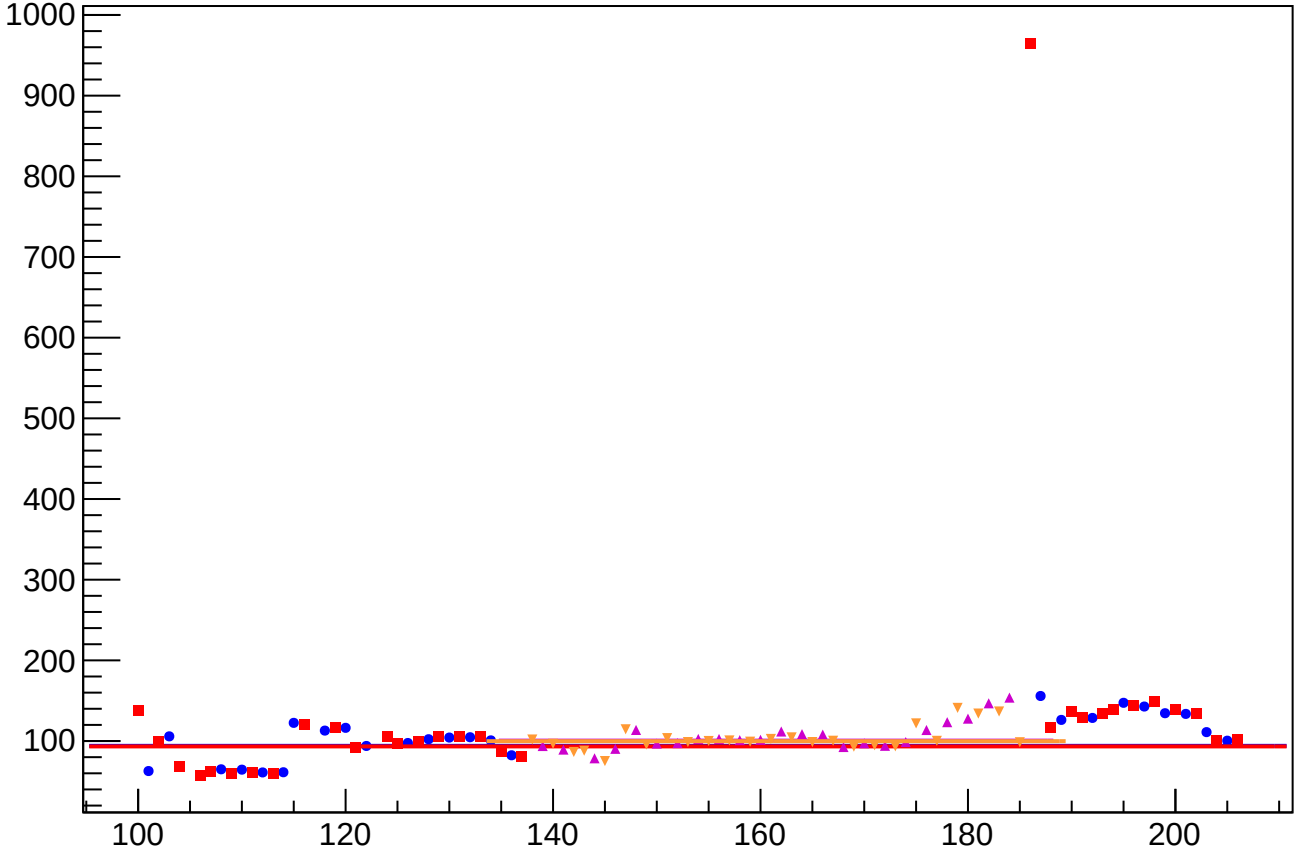
Left In: -43.026+/-23.758 χ^2/NDF:26.6/22

+ sign 23.793+/-17.271 χ^2/NDF: 57.5/49

All: -8.245+/-12.139 χ^2/NDF: 123.7/103

- sign -39.521+/-17.064 χ^2/NDF: 59.4/53

eigen_cor_asym_sam_1548_avg_rms vs Slug



Right In: 94.041+/-0.019 χ^2/NDF: 2159506.4/24

Left Out: 99.839+/-0.016 χ^2/NDF:697768.8/24

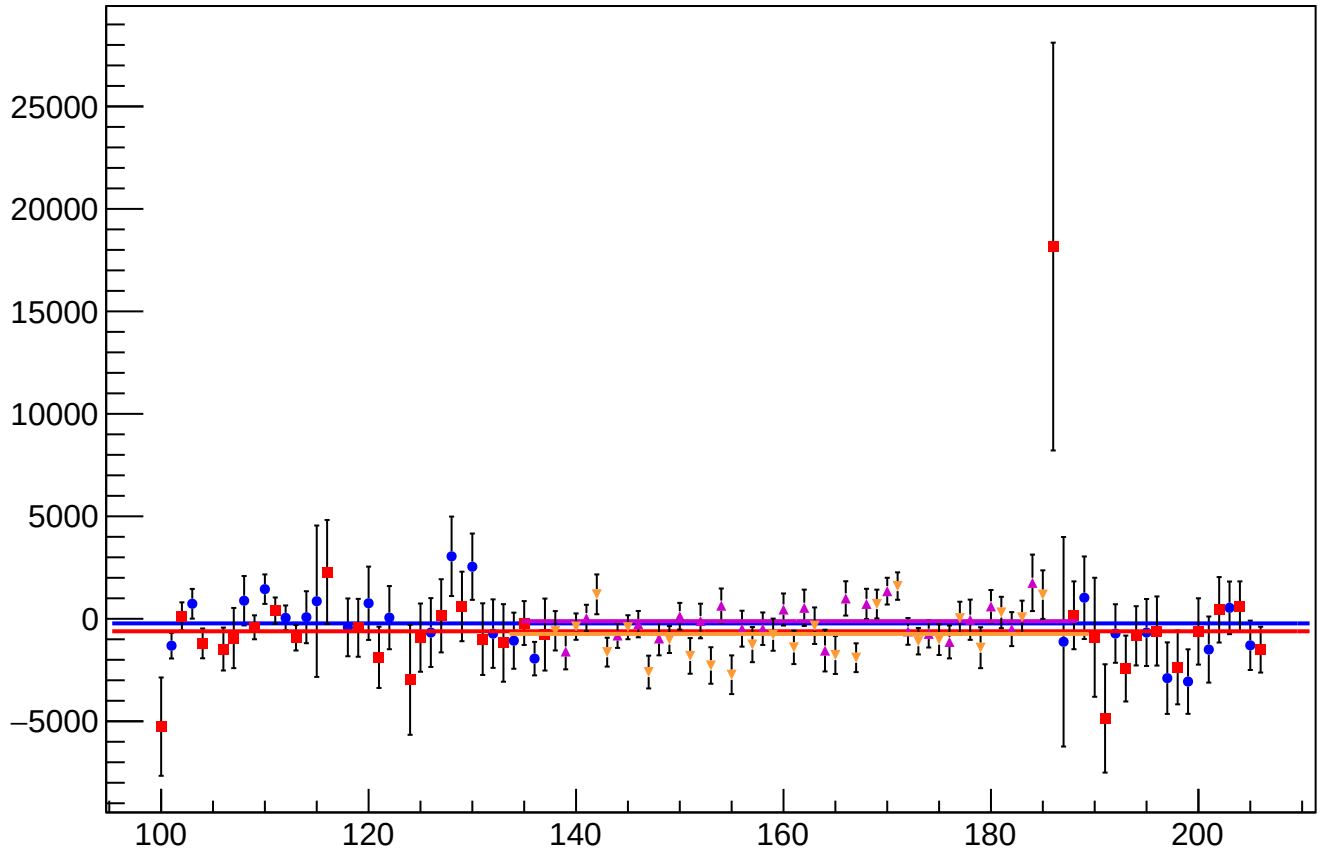
Right Out: 93.337+/-0.017 χ^2/NDF: 3429010.6/30

Left In: 100.498+/-0.017 χ^2/NDF:656850.1/22

+ sign 97.322+/-0.012 χ^2/NDF: 2912638.9/49

All: 97.175+/-0.009 χ^2/NDF: 7086752.1/103

- sign 97.031+/-0.012 χ^2/NDF: 4173825.2/53



Right In: -223.641+/-231.234 χ^2/NDF: 30.4/24

Left Out: -738.352+/-156.311 χ^2/NDF:49.7/24

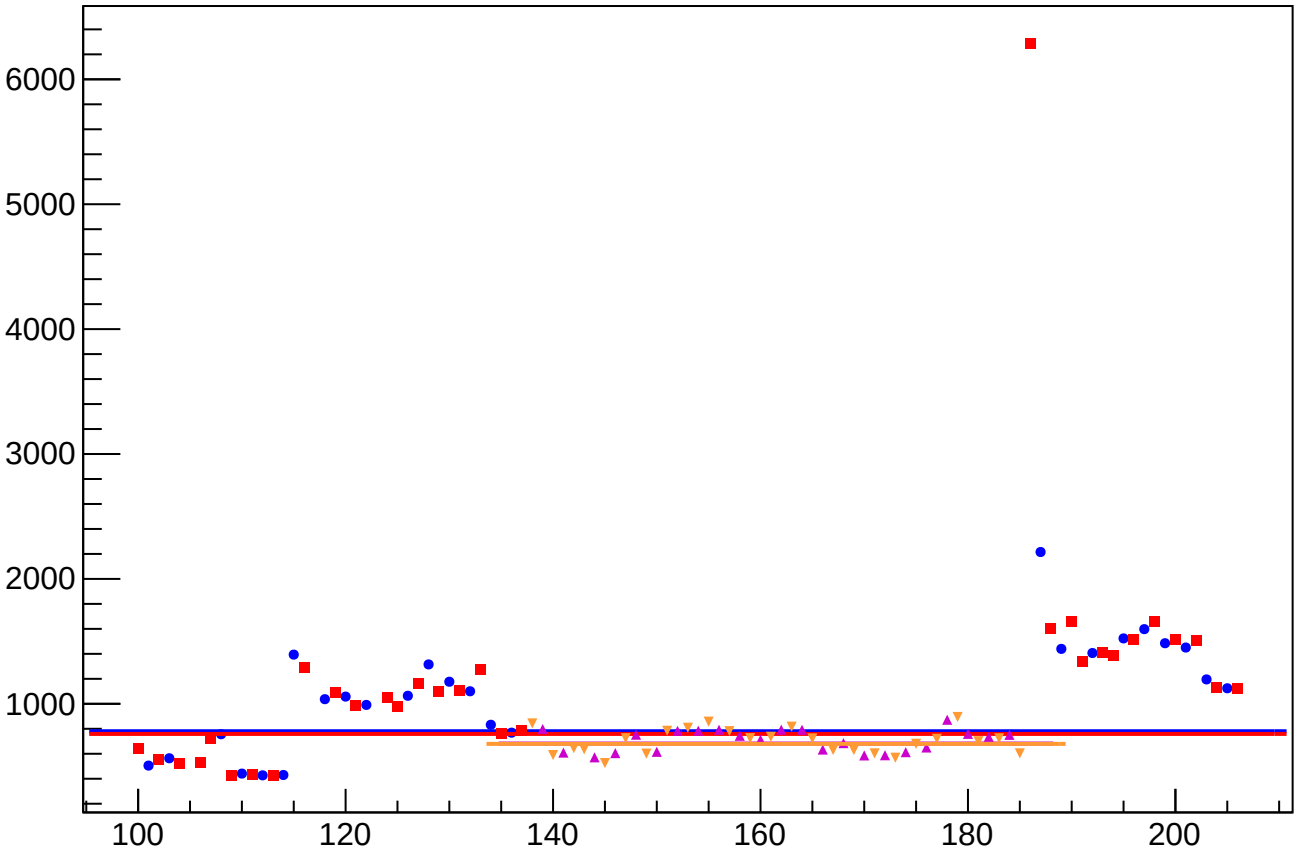
Right Out: -608.720+/-213.324 χ^2/NDF: 23.6/30

Left In: -115.639+/-160.990 χ^2/NDF:23.7/22

+ sign -576.919+/-129.499 χ^2/NDF: 83.5/49

All: -434.651+/-91.215 χ^2/NDF: 136.6/103

- sign -294.562+/-128.503 χ^2/NDF: 50.7/53



Right In: 780.367+/-0.164 χ^2/NDF: 5186243.3/24

Left Out: 679.146+/-0.111 χ^2/NDF:737418.6/24

Right Out: 758.896+/-0.151 χ^2/NDF: 7258931.4/30

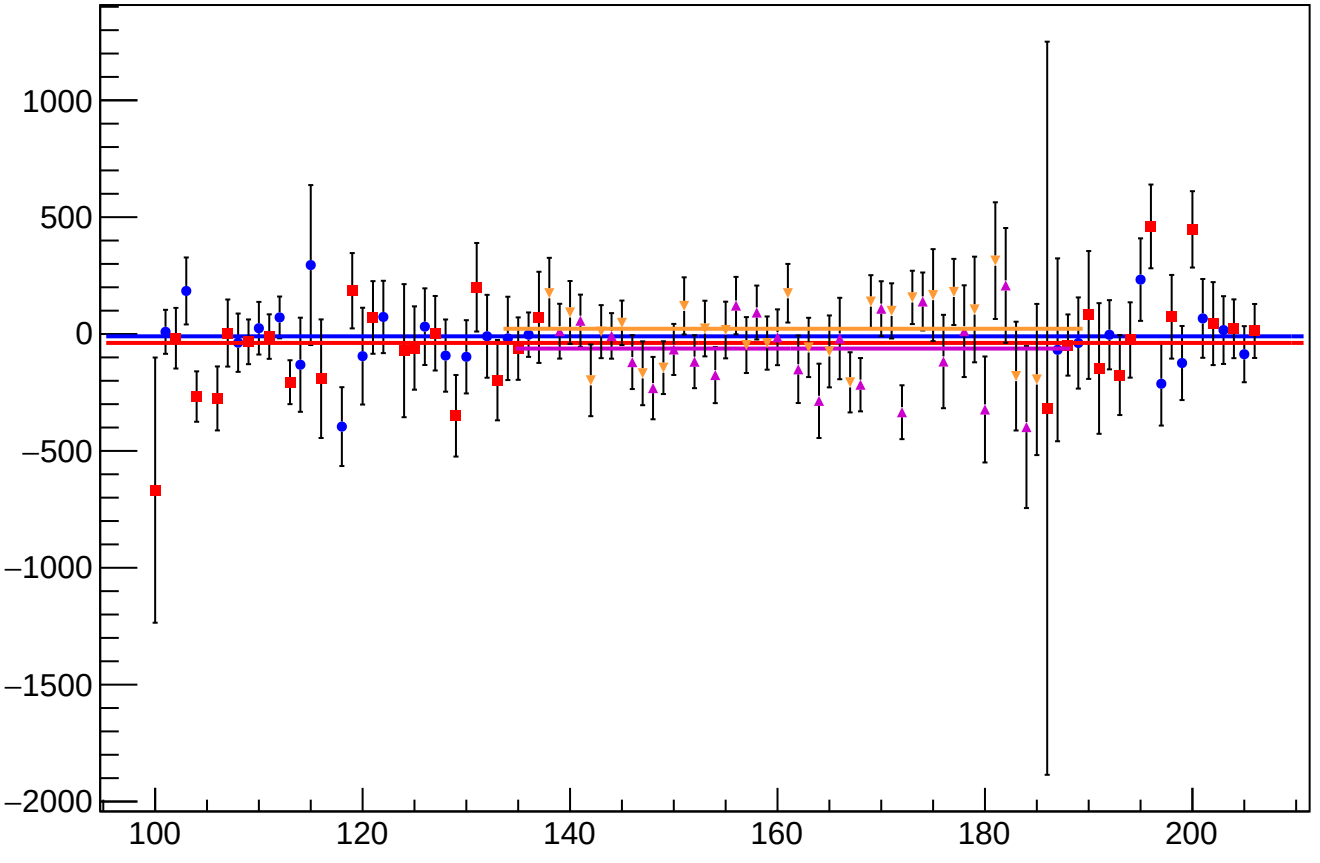
Left In: 681.893+/-0.114 χ^2/NDF:573813.6/22

+ sign 710.893+/-0.092 χ^2/NDF: 6186698.9/49

All: 710.360+/-0.064 χ^2/NDF: 14185543.3/10

- sign 709.835+/-0.091 χ^2/NDF: 7998777.1/53

dit_asym_sam_1548_avg_mean vs Slug



Right In: -9.787+/-28.974 χ^2/NDF: 14.8/24

Left Out: 22.542+/-26.643 χ^2/NDF:21.6/24

Right Out: -38.029+/-27.052 χ^2/NDF: 39.7/30

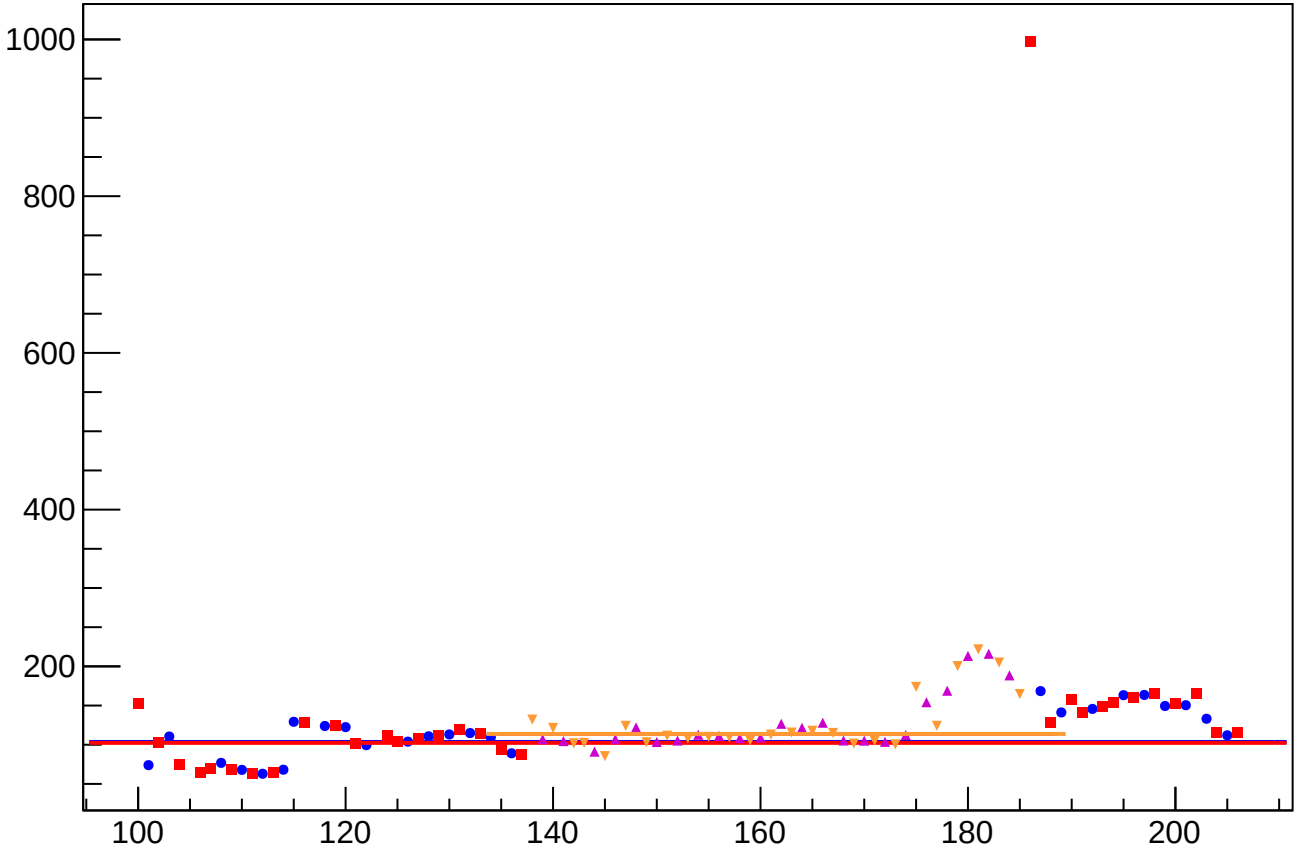
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 7.730+/-19.612 χ^2/NDF: 37.0/49

All: -21.689+/-13.730 χ^2/NDF: 108.8/103

- sign -49.972+/-19.229 χ^2/NDF: 67.4/53

dit_asym_sam_1548_avg_rms vs Slug



Right In: 103.521+/-0.020 χ^2/NDF: 2257738.3/24

Left Out: 113.766+/-0.019 χ^2/NDF:1579920.3/24

Right Out: 102.403+/-0.019 χ^2/NDF: 3585785.6/30

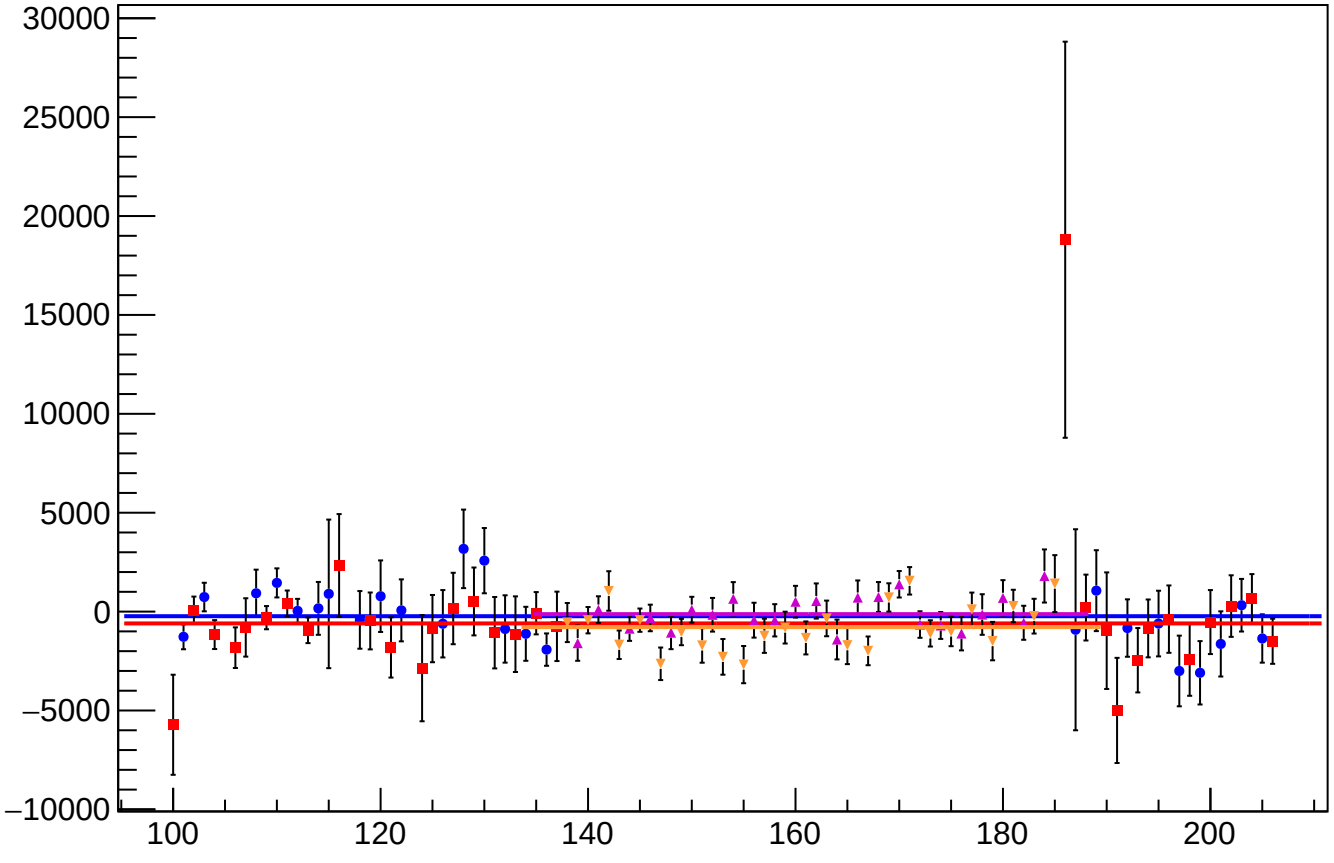
Left In: 113.677+/-0.019 χ^2/NDF:1316044.6/22

+ sign 109.072+/-0.014 χ^2/NDF: 3973150.5/49

All: 108.515+/-0.010 χ^2/NDF: 9049993.5/103

- sign 107.980+/-0.014 χ^2/NDF: 5073682.5/53

asym_sam_1548_avg_dit_correction_mean vs Slug



Right In: -232.704+/-233.874 χ^2/NDF: 30.2/24

Left Out: -784.286+/-160.482 χ^2/NDF:45.4/24

Right Out: -597.304+/-215.611 χ^2/NDF: 24.8/30

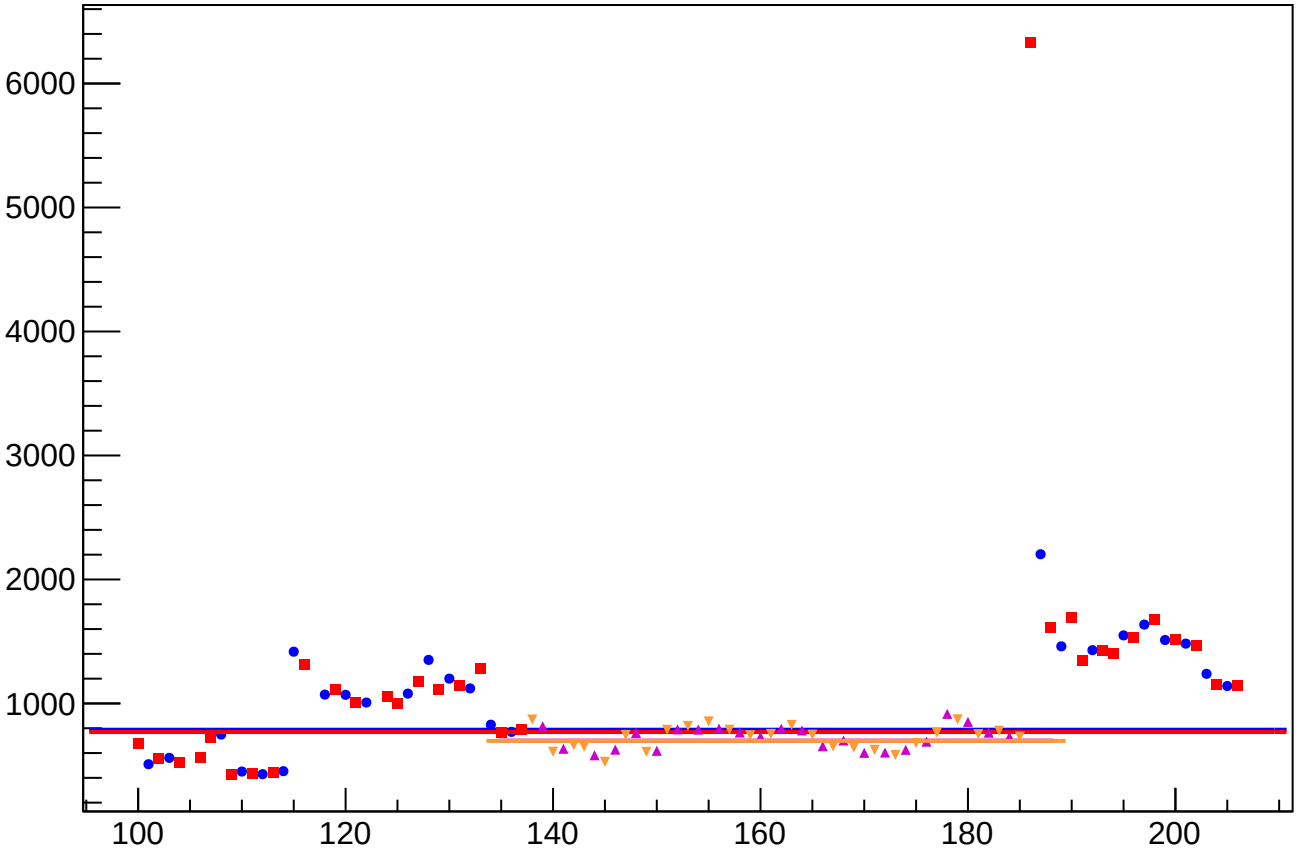
Left In: -128.155+/-165.255 χ^2/NDF:22.7/22

+ sign -607.711+/-132.325 χ^2/NDF: 79.4/49

All: -453.388+/-93.154 χ^2/NDF: 132.5/103

- sign -301.767+/-131.161 χ^2/NDF: 50.5/53

asym_sam_1548_avg_dit_correction_rms vs Slug



Right In: 788.269+/-0.165 χ^2/NDF: 5266678.0/24

Left Out: 698.237+/-0.113 χ^2/NDF:714686.8/24

Right Out: 769.517+/-0.152 χ^2/NDF: 7202662.5/30

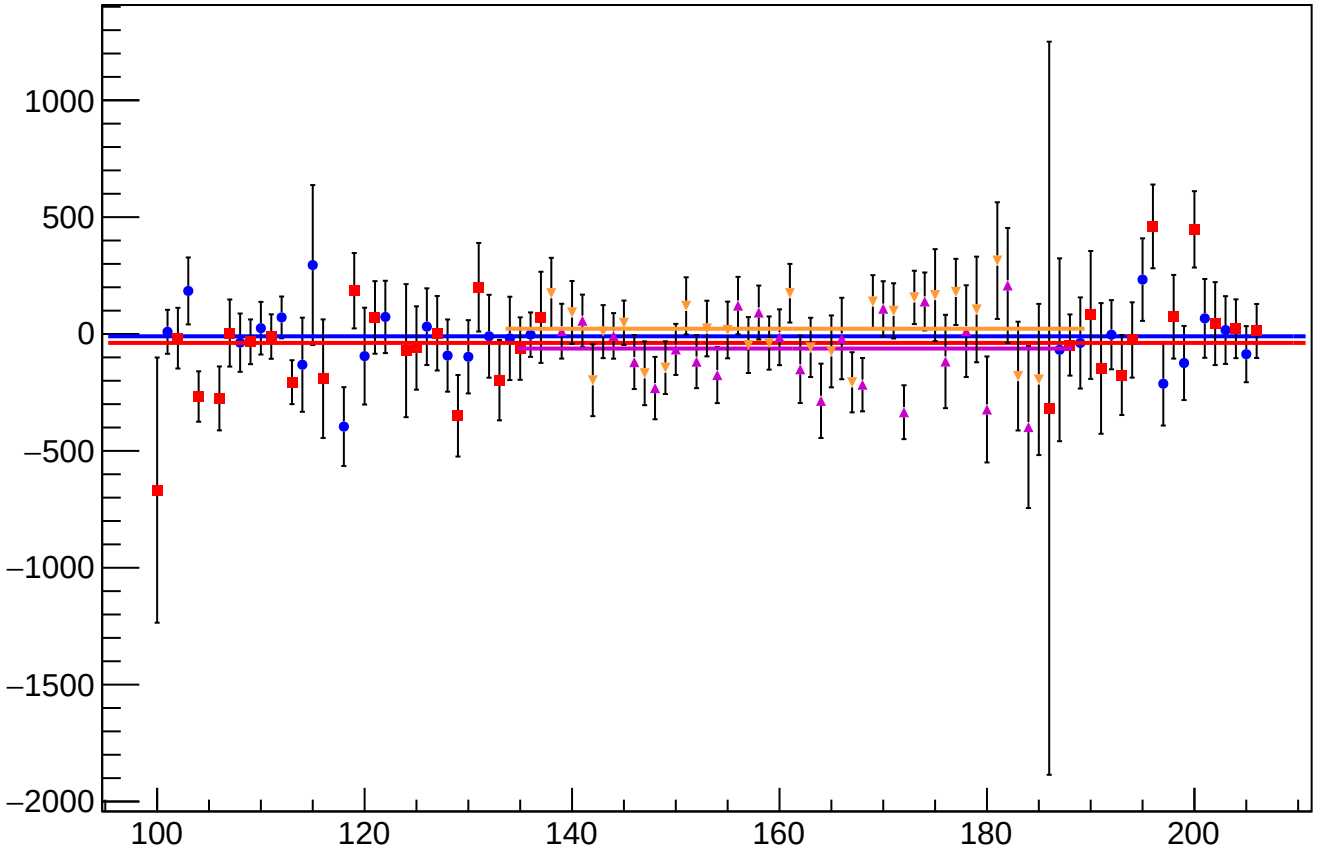
Left In: 700.079+/-0.117 χ^2/NDF:584318.7/22

+ sign 727.059+/-0.094 χ^2/NDF: 6182872.2/49

All: 726.411+/-0.066 χ^2/NDF: 14100620.9/10

- sign 725.775+/-0.093 χ^2/NDF: 7917653.9/53

eigen_dit_asym_sam_1548_avg_mean vs Slug



Right In: -9.786+/-28.974 χ^2/NDF: 14.8/24

Left Out: 22.544+/-26.643 χ^2/NDF:21.6/24

Right Out: -38.029+/-27.052 χ^2/NDF: 39.7/30

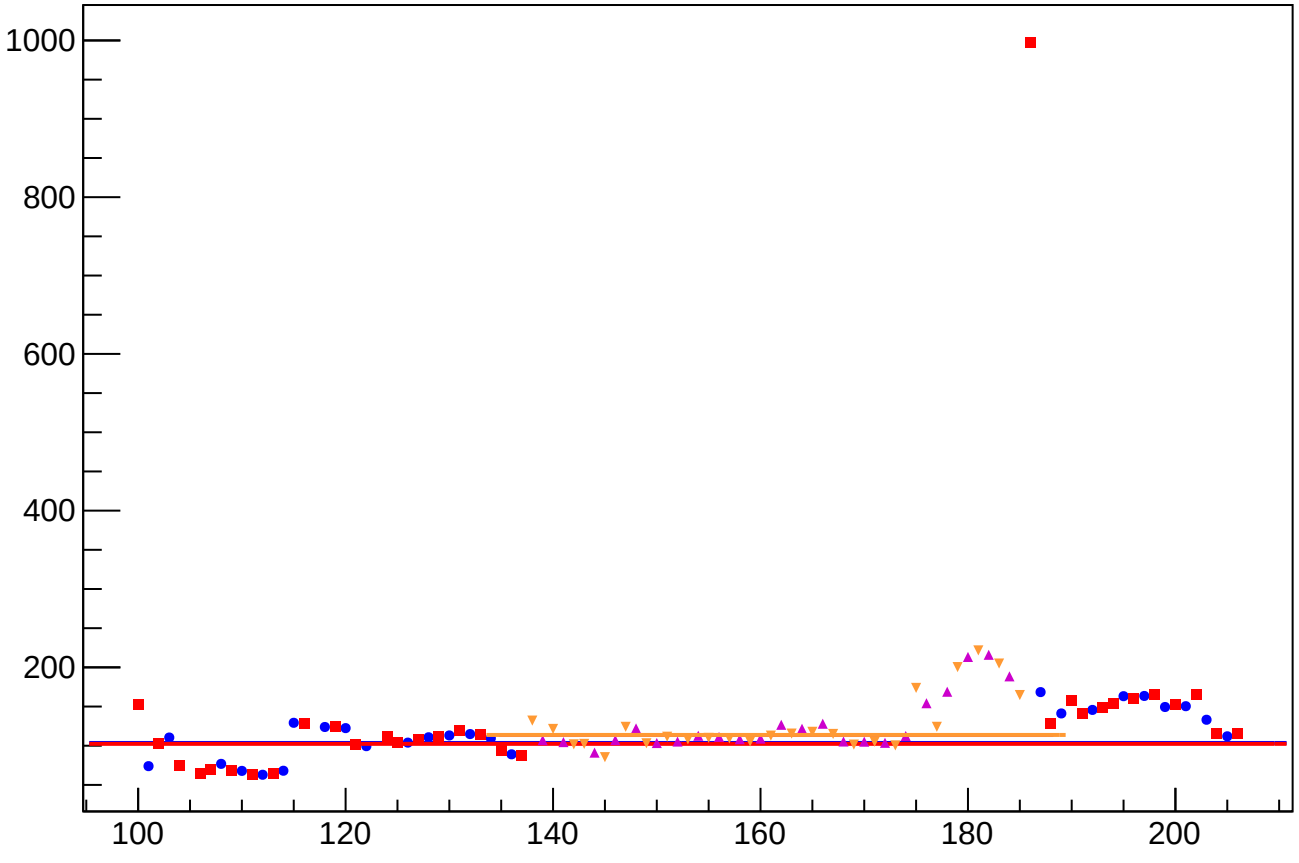
Left In: -62.169+/-27.339 χ^2/NDF:27.3/22

+ sign 7.732+/-19.612 χ^2/NDF: 37.0/49

All: -21.689+/-13.730 χ^2/NDF: 108.8/103

- sign -49.972+/-19.229 χ^2/NDF: 67.4/53

eigen_dit_asym_sam_1548_avg_rms vs Slug



Right In: 103.521+/-0.020 χ^2/NDF: 2257725.0/24

Left Out: 113.766+/-0.019 χ^2/NDF:1579910.8/24

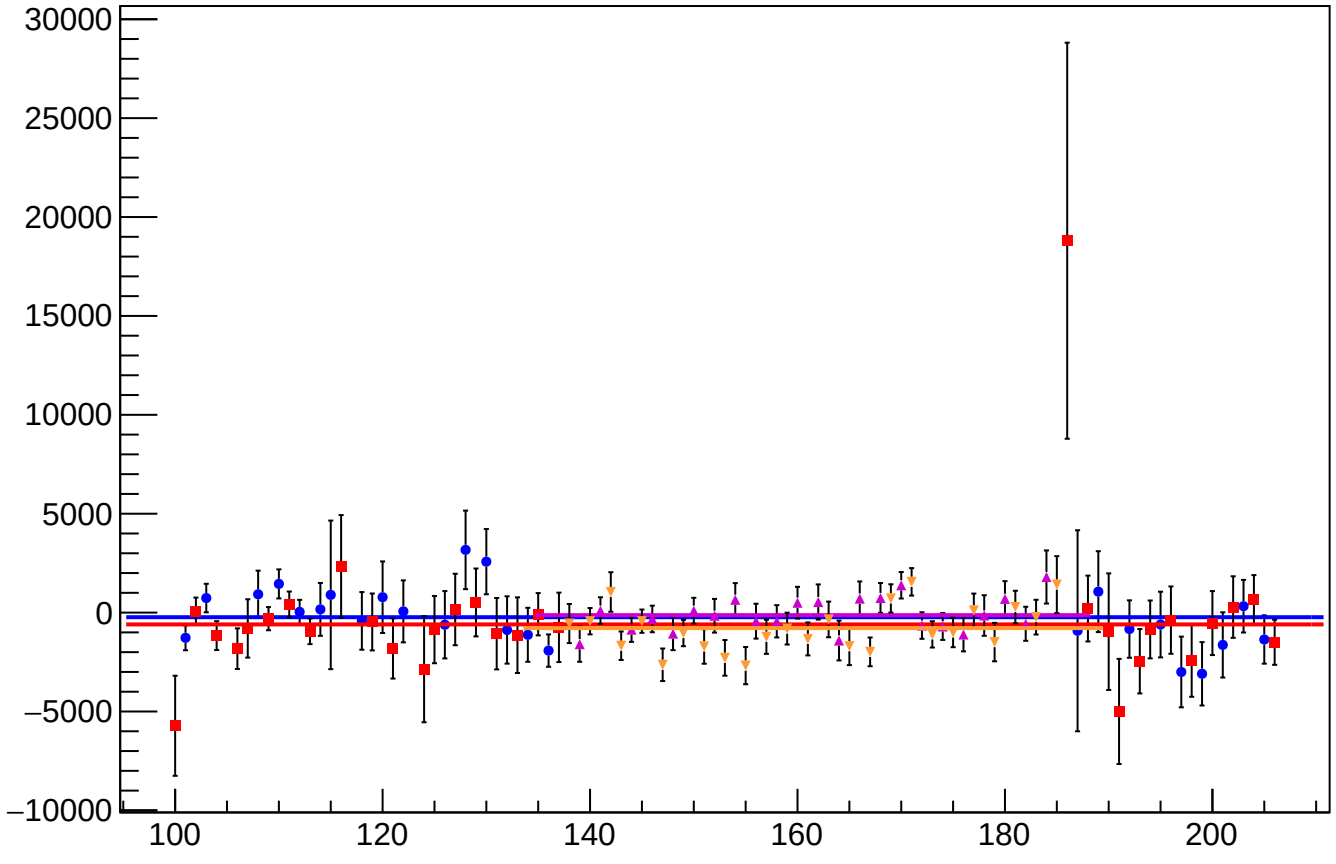
Right Out: 102.403+/-0.019 χ^2/NDF: 3585790.0/30

Left In: 113.677+/-0.019 χ^2/NDF:1316023.5/22

+ sign 109.072+/-0.014 χ^2/NDF: 3973132.6/49

All: 108.515+/-0.010 χ^2/NDF: 9049965.0/103

- sign 107.980+/-0.014 χ^2/NDF: 5073671.9/53



Right In: -232.704+/-233.873 χ^2/NDF: 30.2/24

Left Out: -784.284+/-160.482 χ^2/NDF:45.4/24

Right Out: -597.304+/-215.611 χ^2/NDF: 24.8/30

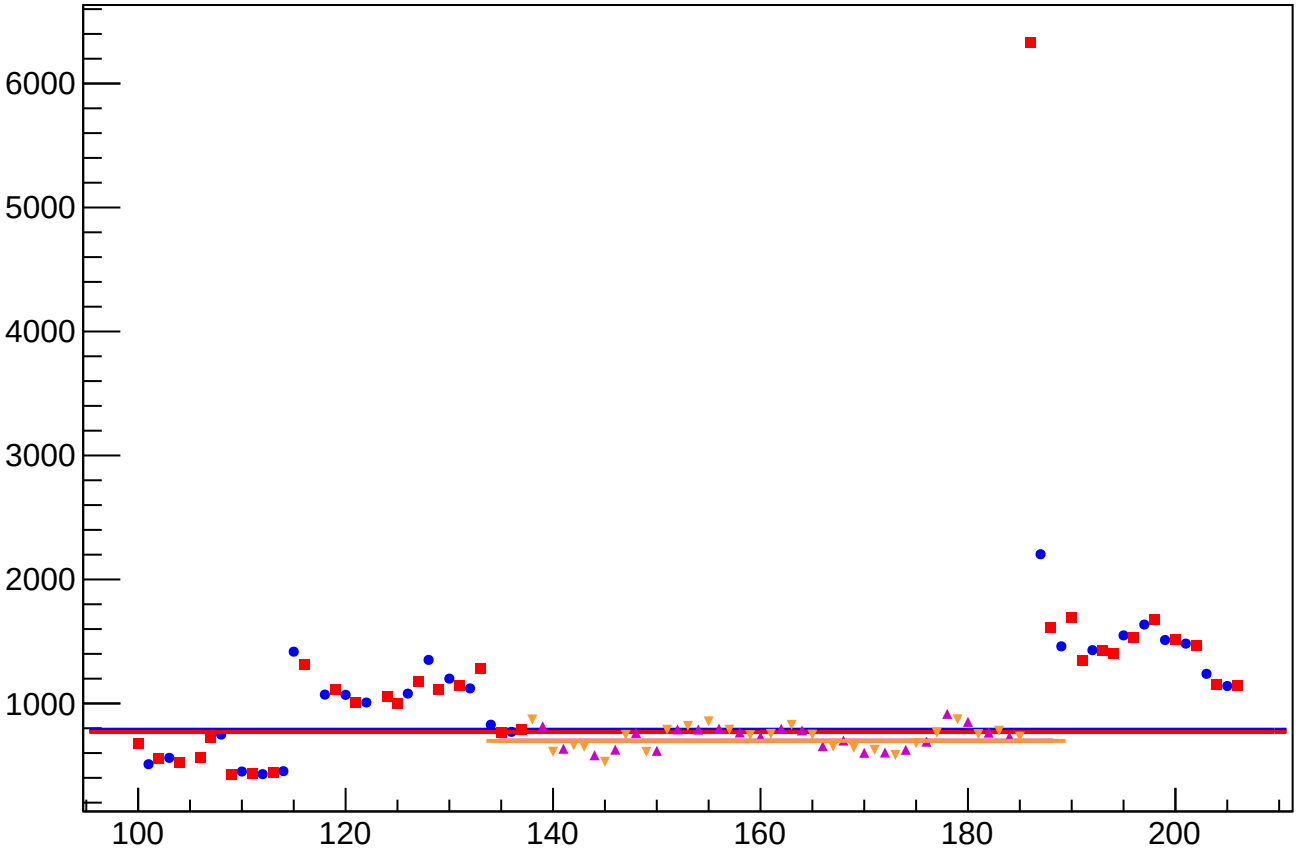
Left In: -128.154+/-165.255 χ^2/NDF:22.7/22

+ sign -607.710+/-132.324 χ^2/NDF: 79.4/49

All: -453.387+/-93.154 χ^2/NDF: 132.5/103

- sign -301.766+/-131.161 χ^2/NDF: 50.5/53

asym_sam_1548_avg_eigen_dit_correction_rms vs Slug



Right In: 788.268+/-0.165 χ^2/NDF: 5266677.6/24

Left Out: 698.236+/-0.113 χ^2/NDF:714685.1/24

Right Out: 769.516+/-0.152 χ^2/NDF: 7202658.3/30

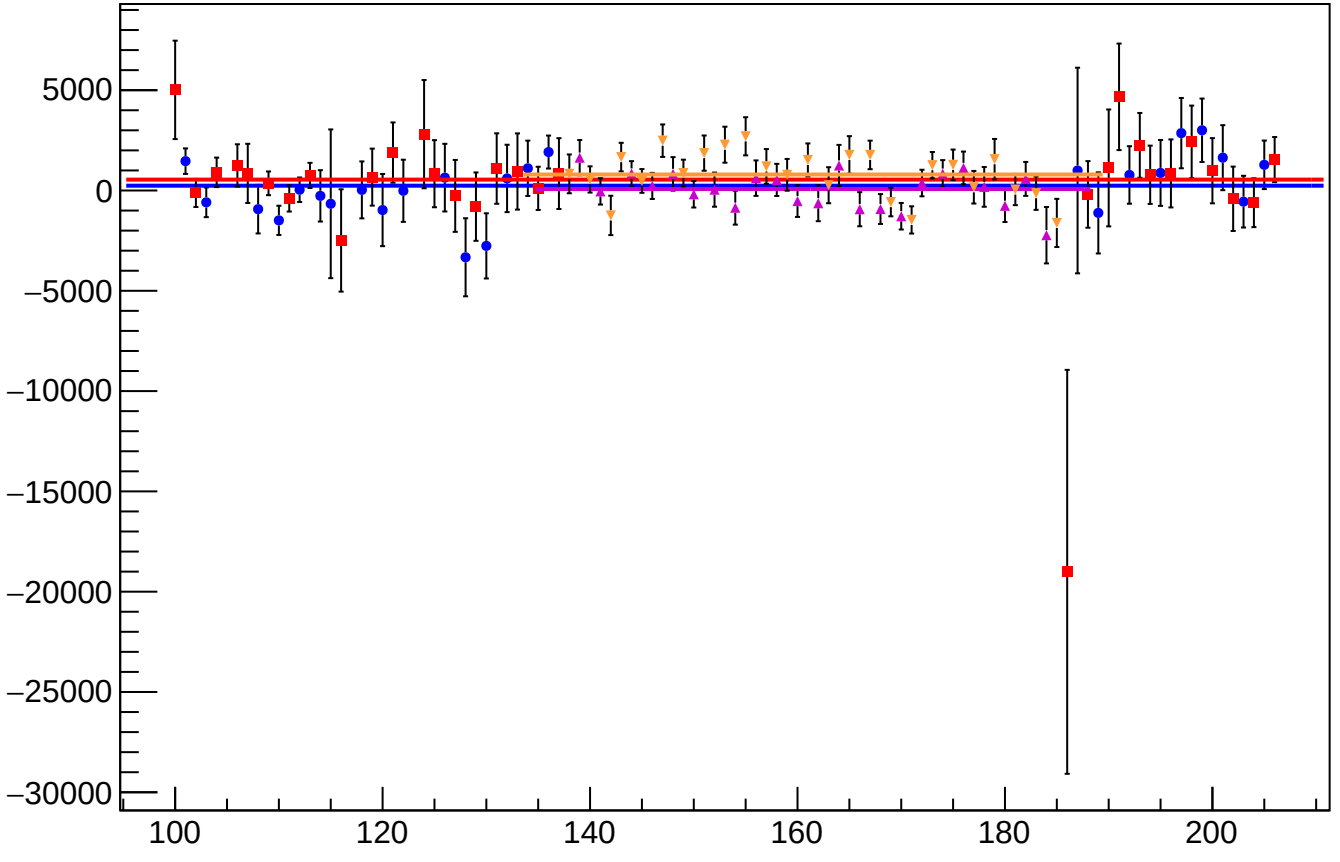
Left In: 700.079+/-0.117 χ^2/NDF:584314.1/22

+ sign 727.058+/-0.094 χ^2/NDF: 6182869.8/49

All: 726.410+/-0.066 χ^2/NDF: 14100609.1/10

- sign 725.775+/-0.093 χ^2/NDF: 7917644.5/53

asym_sam_1548_avg_mean vs Slug



Right In: 239.932+/-233.458 χ^2/NDF: 31.7/24

Left Out: 796.905+/-158.142 χ^2/NDF:46.4/24

Right Out: 542.843+/-215.277 χ^2/NDF: 22.2/30

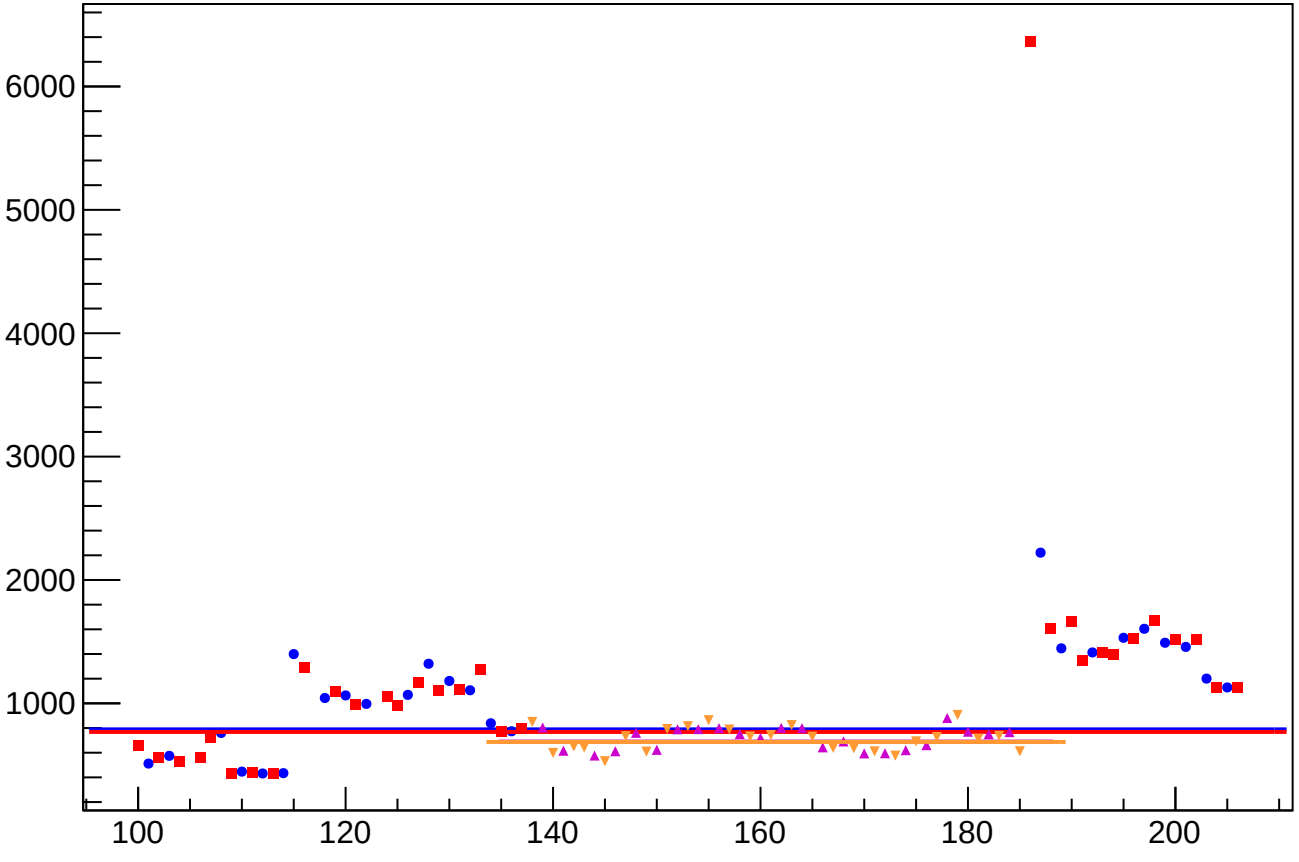
Left In: 73.501+/-162.879 χ^2/NDF:24.9/22

+ sign 621.720+/-130.930 χ^2/NDF: 82.0/49

All: 431.538+/-92.212 χ^2/NDF: 136.3/103

- sign 244.365+/-129.891 χ^2/NDF: 50.1/53

asym_sam_1548_avg_rms vs Slug



Right In: 789.102+/-0.165 χ^2/NDF: 5109810.1/24

Left Out: 687.243+/-0.112 χ^2/NDF:727994.0/24

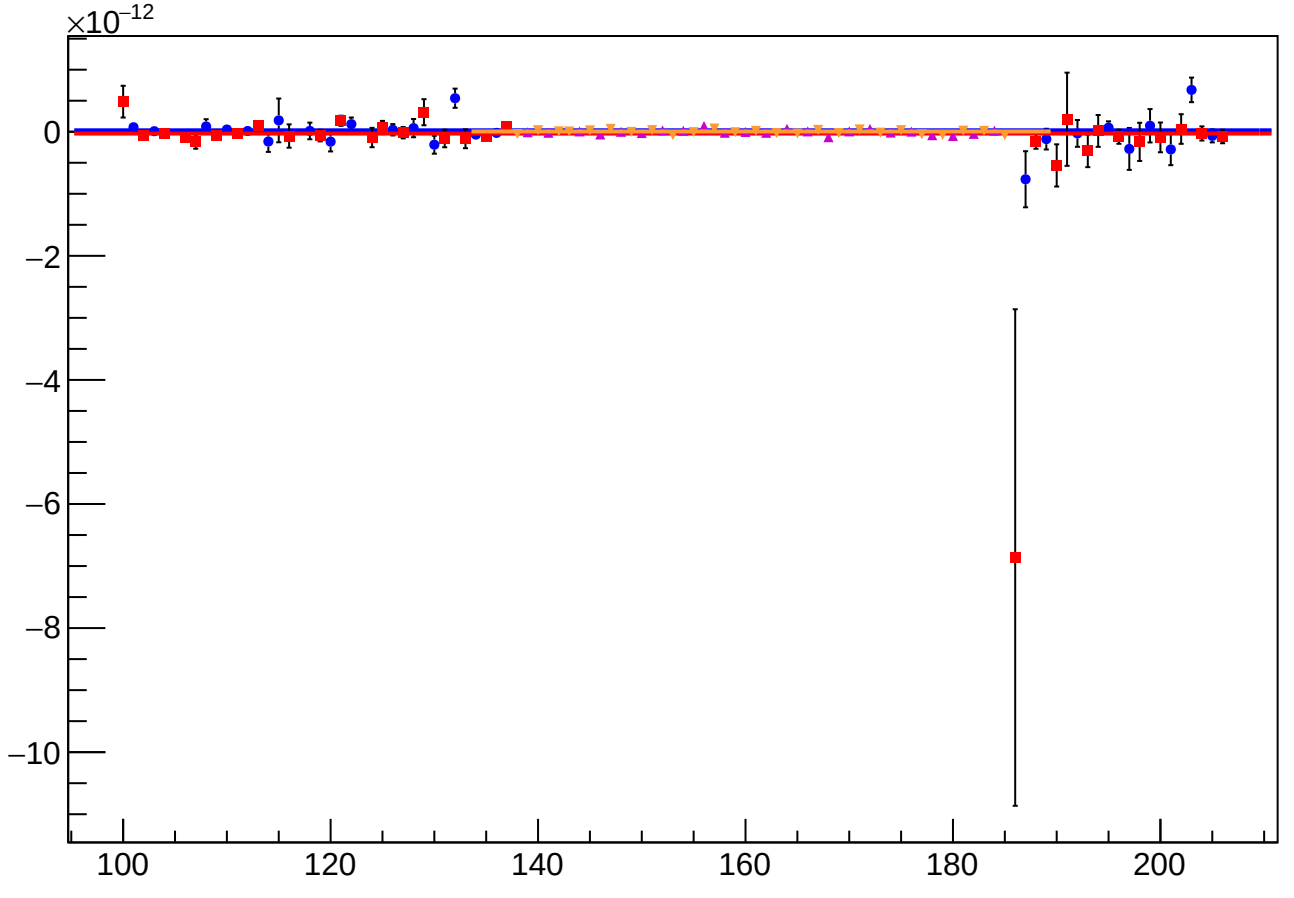
Right Out: 768.436+/-0.152 χ^2/NDF: 7151011.6/30

Left In: 689.997+/-0.115 χ^2/NDF:567089.0/22

+ sign 719.281+/-0.093 χ^2/NDF: 6098780.6/49

All: 718.914+/-0.065 χ^2/NDF: 13985772.2/10

- sign 718.553+/-0.092 χ^2/NDF: 7886960.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 41.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:22.0/24

Right Out: -0.000+/-0.000 χ^2/NDF: 34.3/30

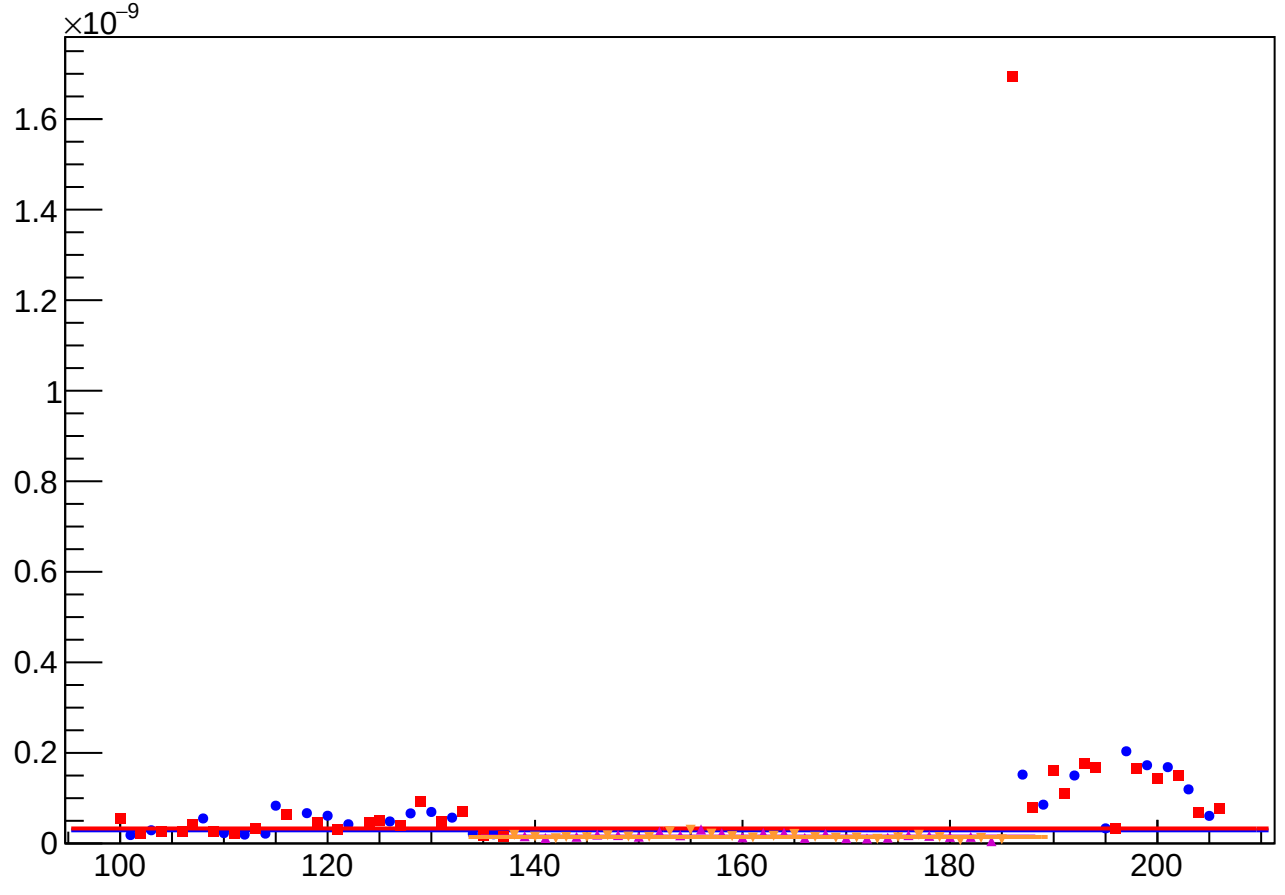
Left In: -0.000+/-0.000 χ^2/NDF:26.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 64.8/49

All: -0.000+/-0.000 χ^2/NDF: 132.0/103

- sign -0.000+/-0.000 χ^2/NDF: 62.7/53

asym_sam_1548_avg_reg_vs_cor_diff_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF: 4758133.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:992947.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5088135.3/30

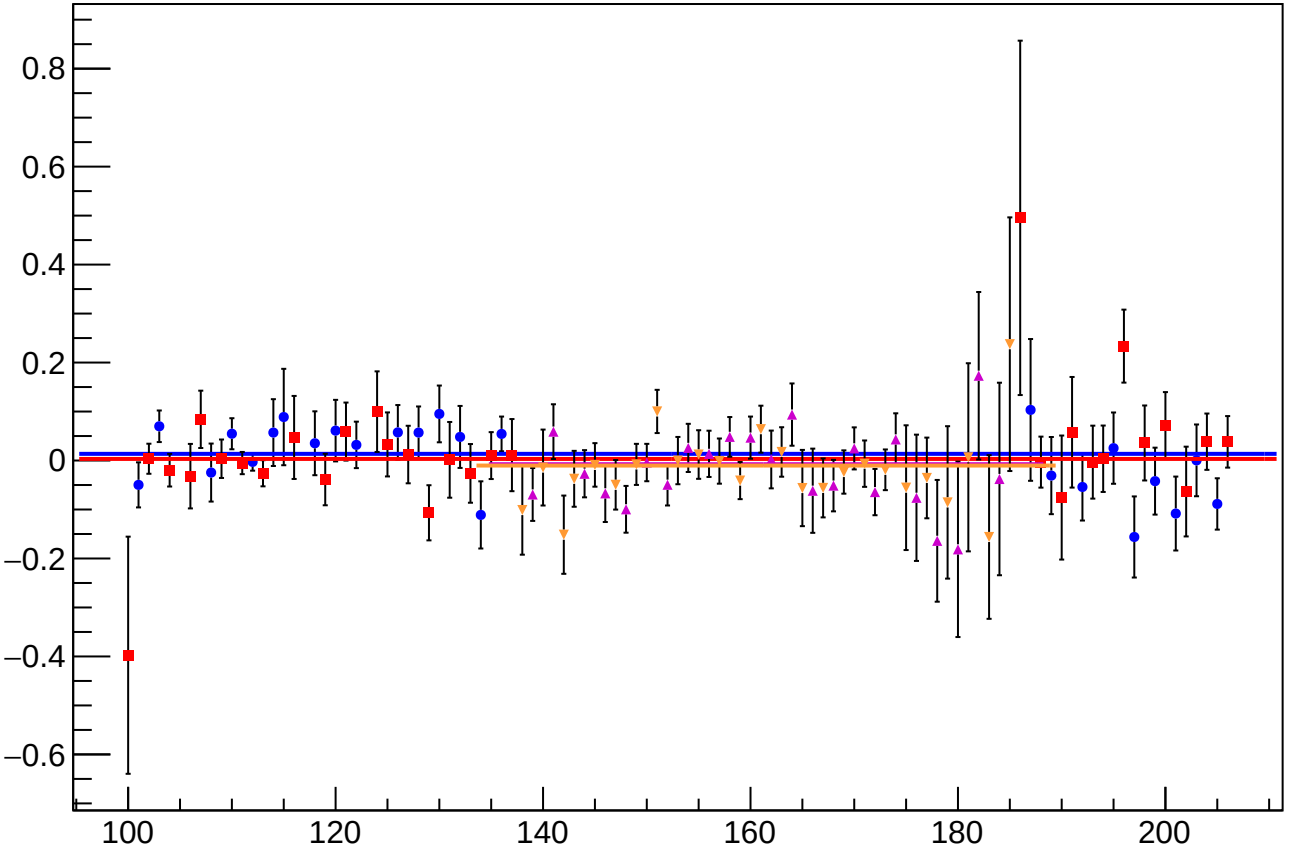
Left In: 0.000+/-0.000 χ^2/NDF:1107168.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 7509583.1/49

All: 0.000+/-0.000 χ^2/NDF: 16079577.3/103

- sign 0.000+/-0.000 χ^2/NDF: 8505956.6/53

asym_sam_1548_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.014+/-0.010 χ^2/NDF: 30.9/24

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.003+/-0.009 χ^2/NDF: 28.9/30

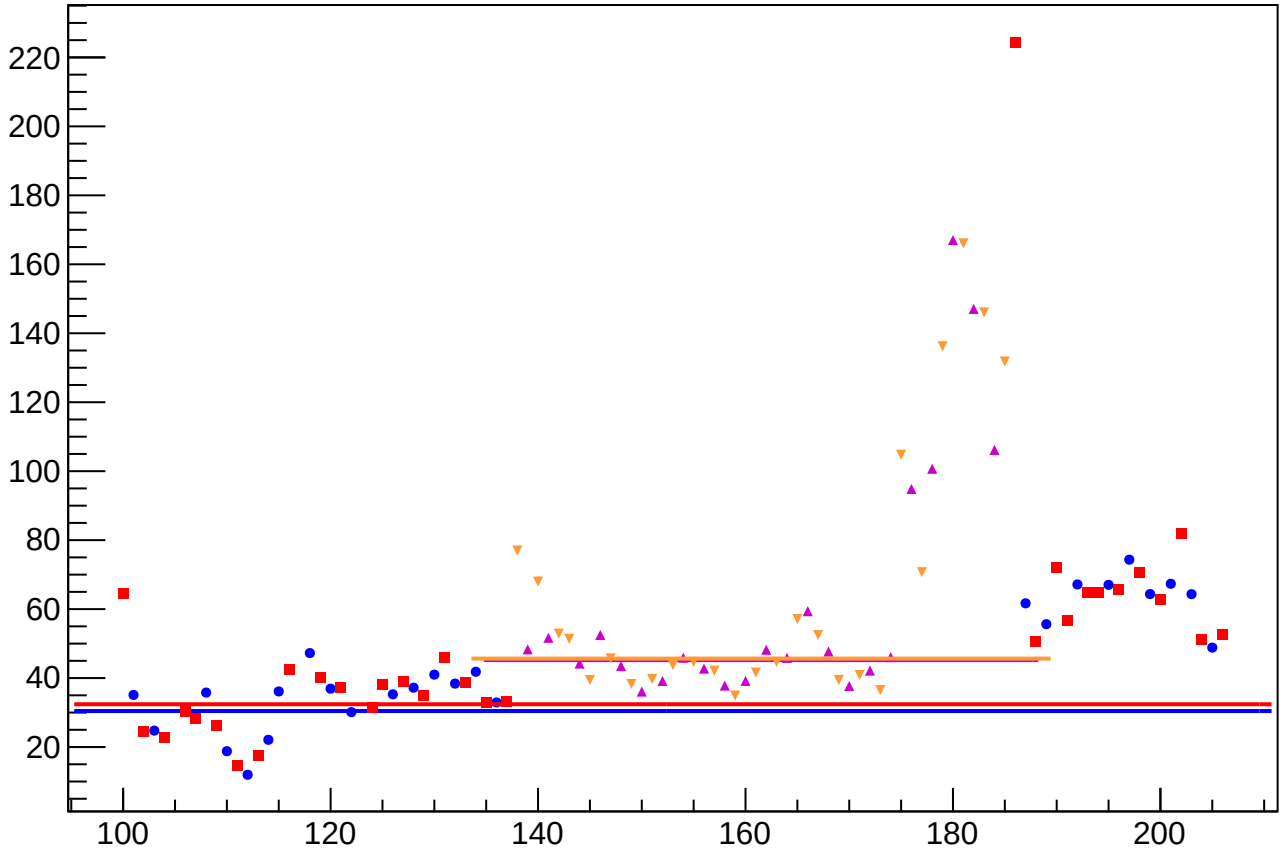
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.004+/-0.007 χ^2/NDF: 51.6/49

All: 0.001+/-0.005 χ^2/NDF: 104.5/103

- sign -0.001+/-0.007 χ^2/NDF: 52.7/53

asym_sam_1548_avg_dit_vs_cor_diff_rms vs Slug



Right In: 30.444+/-0.007 χ^2/NDF: 6492650.4/24

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

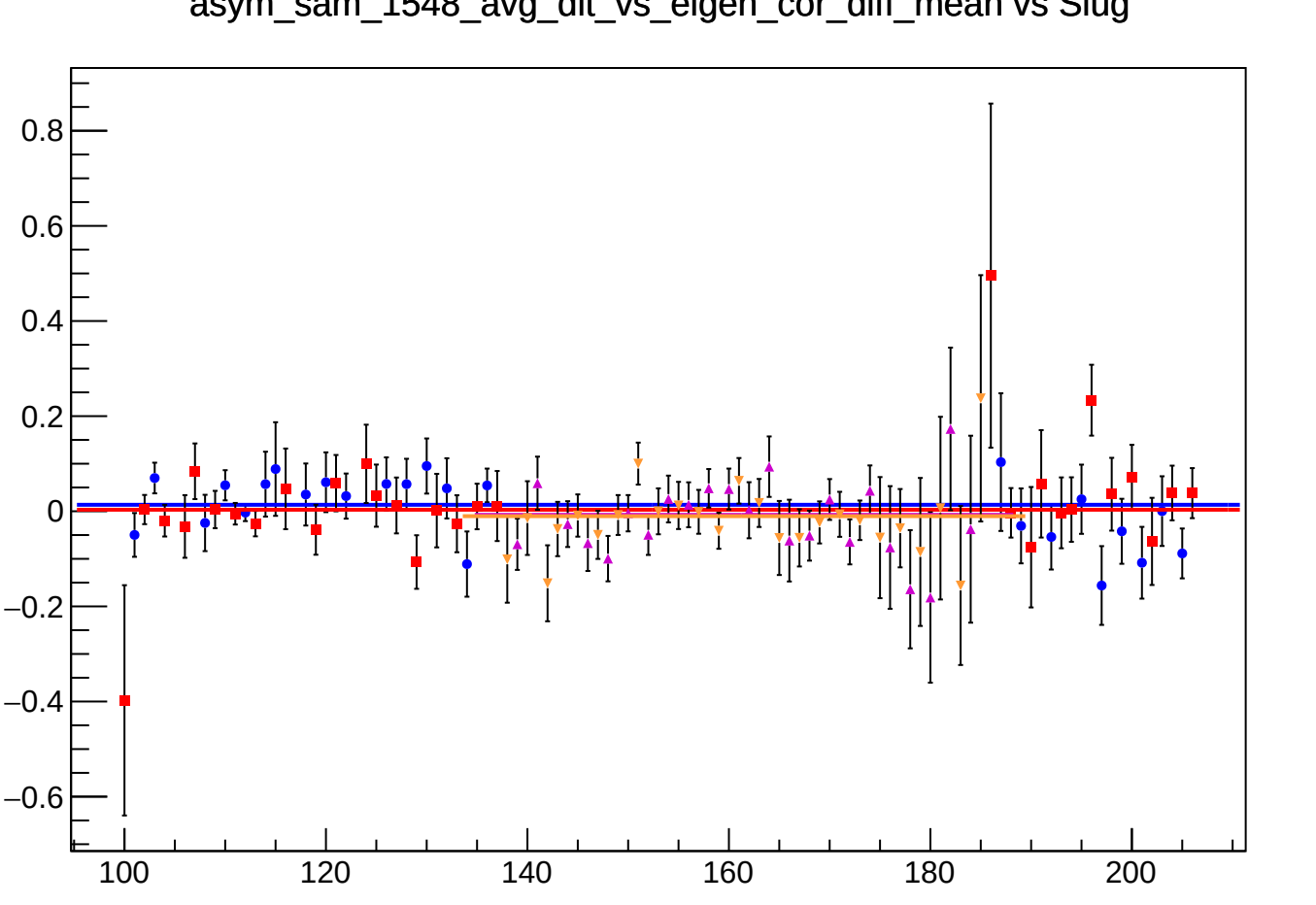
Right Out: 32.409+/-0.007 χ^2/NDF: 6809199.1/30

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 36.778+/-0.005 χ^2/NDF: 12630394.7/49

All: 37.146+/-0.004 χ^2/NDF: 23958004.3/103

- sign 37.506+/-0.005 χ^2/NDF: 11317488.1/53



Right In: 0.014+/-0.010 χ^2/NDF: 30.9/24

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.003+/-0.009 χ^2/NDF: 28.9/30

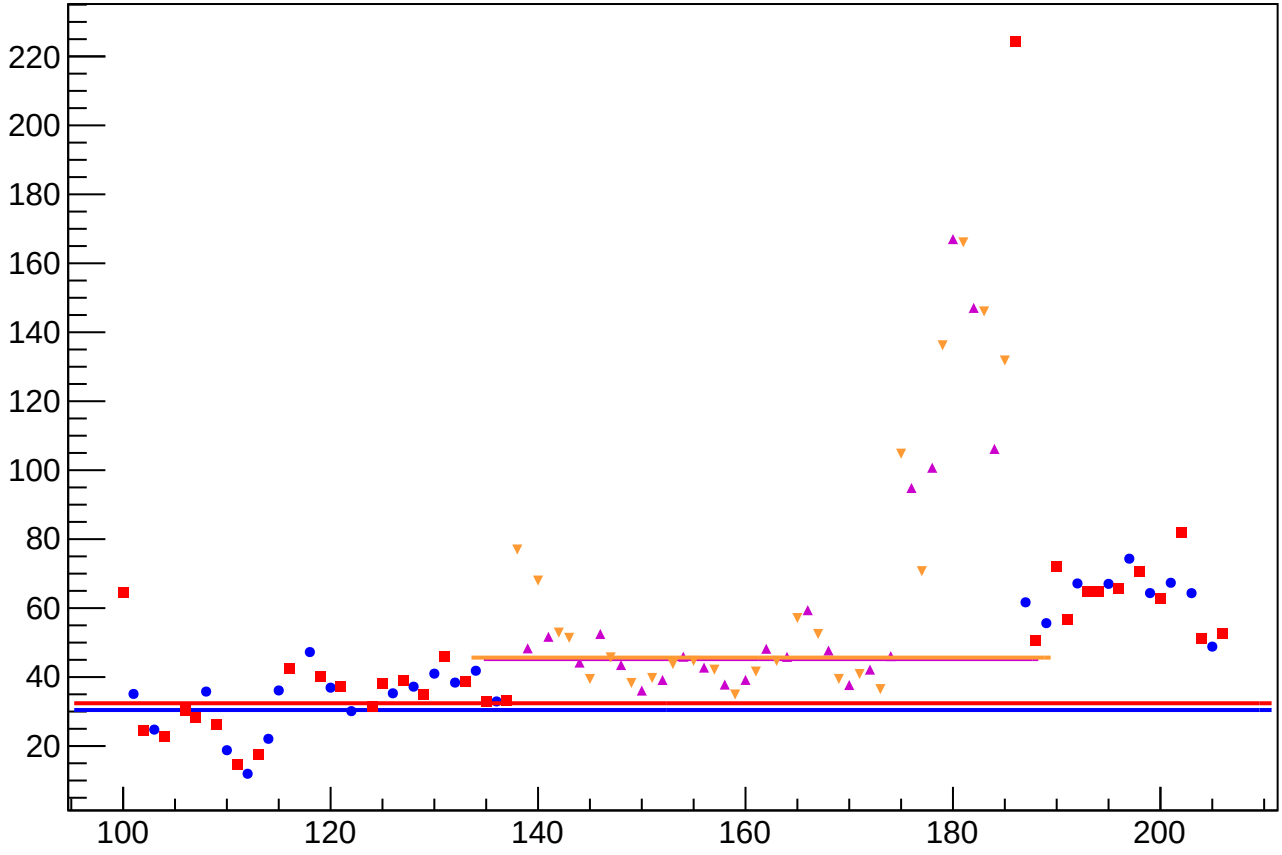
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.004+/-0.007 χ^2/NDF: 51.6/49

All: 0.001+/-0.005 χ^2/NDF: 104.5/103

- sign -0.001+/-0.007 χ^2/NDF: 52.7/53

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 30.444+/-0.007 χ^2/NDF: 6492650.4/24

Left Out: 45.650+/-0.008 χ^2/NDF:4015230.2/24

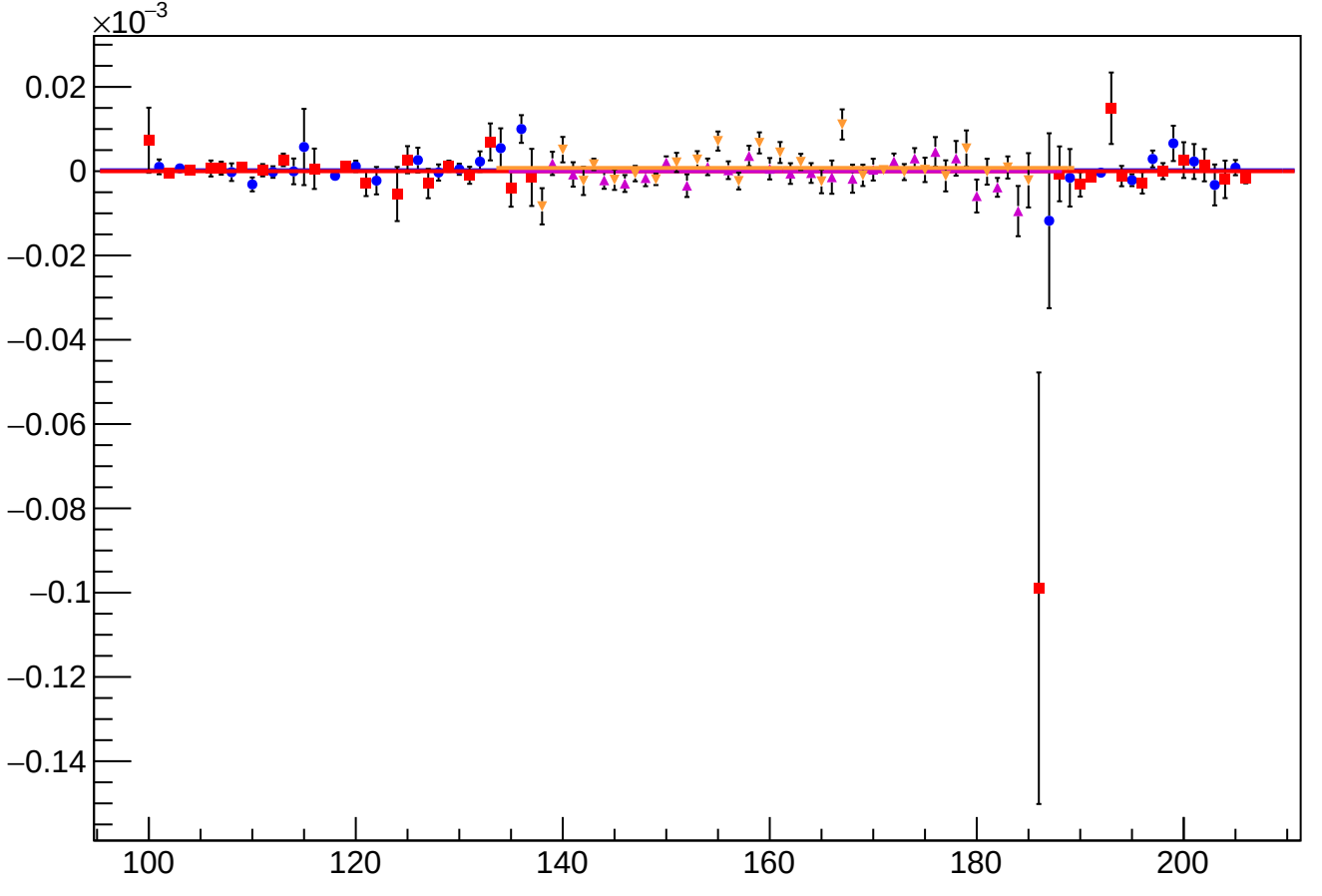
Right Out: 32.409+/-0.007 χ^2/NDF: 6809199.1/30

Left In: 45.217+/-0.008 χ^2/NDF:2992534.4/22

+ sign 36.778+/-0.005 χ^2/NDF: 12630394.7/49

All: 37.146+/-0.004 χ^2/NDF: 23958004.3/103

- sign 37.506+/-0.005 χ^2/NDF: 11317488.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 27.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:46.2/24

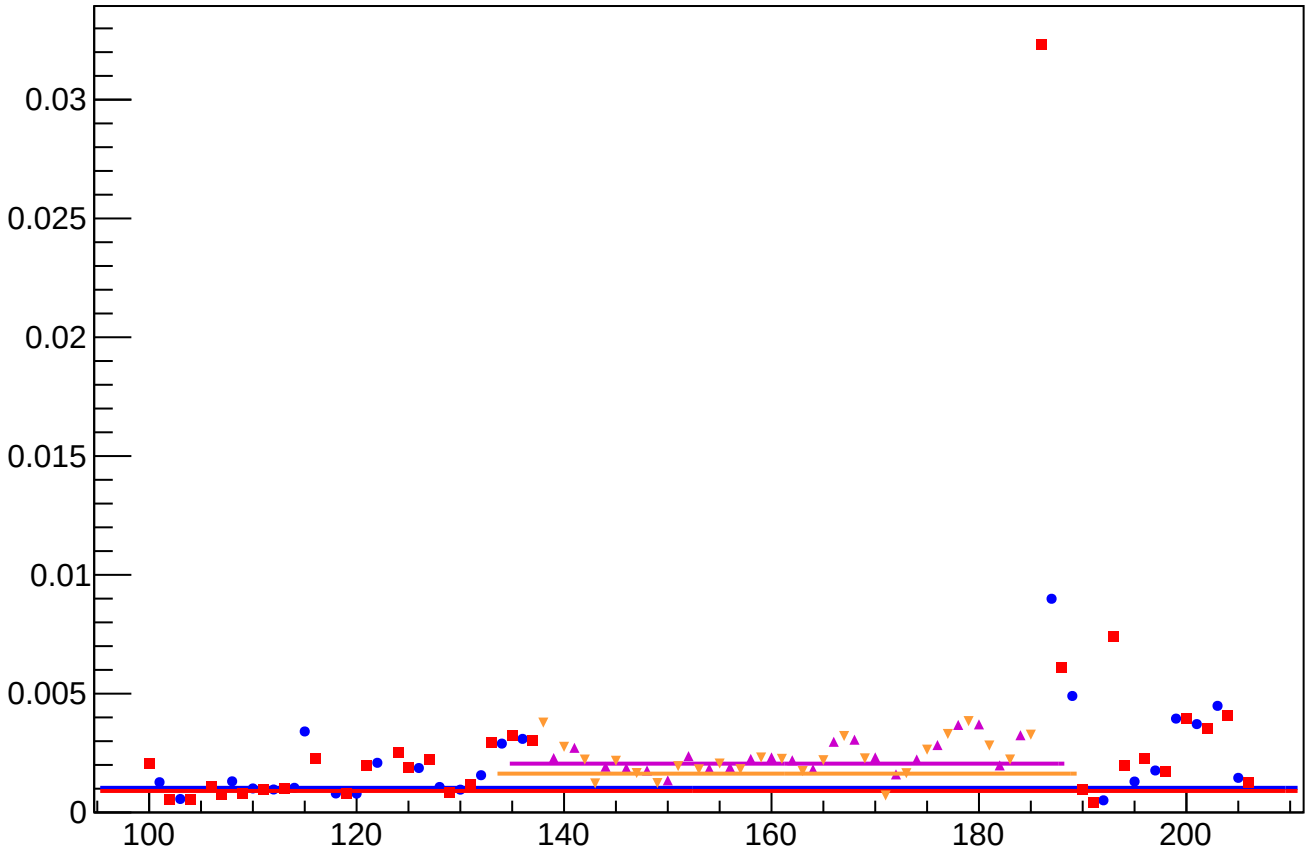
Right Out: -0.000+/-0.000 χ^2/NDF: 29.0/30

Left In: 0.000+/-0.000 χ^2/NDF:24.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.0/49

All: 0.000+/-0.000 χ^2/NDF: 130.0/103

- sign -0.000+/-0.000 χ^2/NDF: 53.5/53



Right In: 0.001+/-0.000 χ^2/NDF: 7436510.4/24

Left Out: 0.002+/-0.000 χ^2/NDF:6495366.7/24

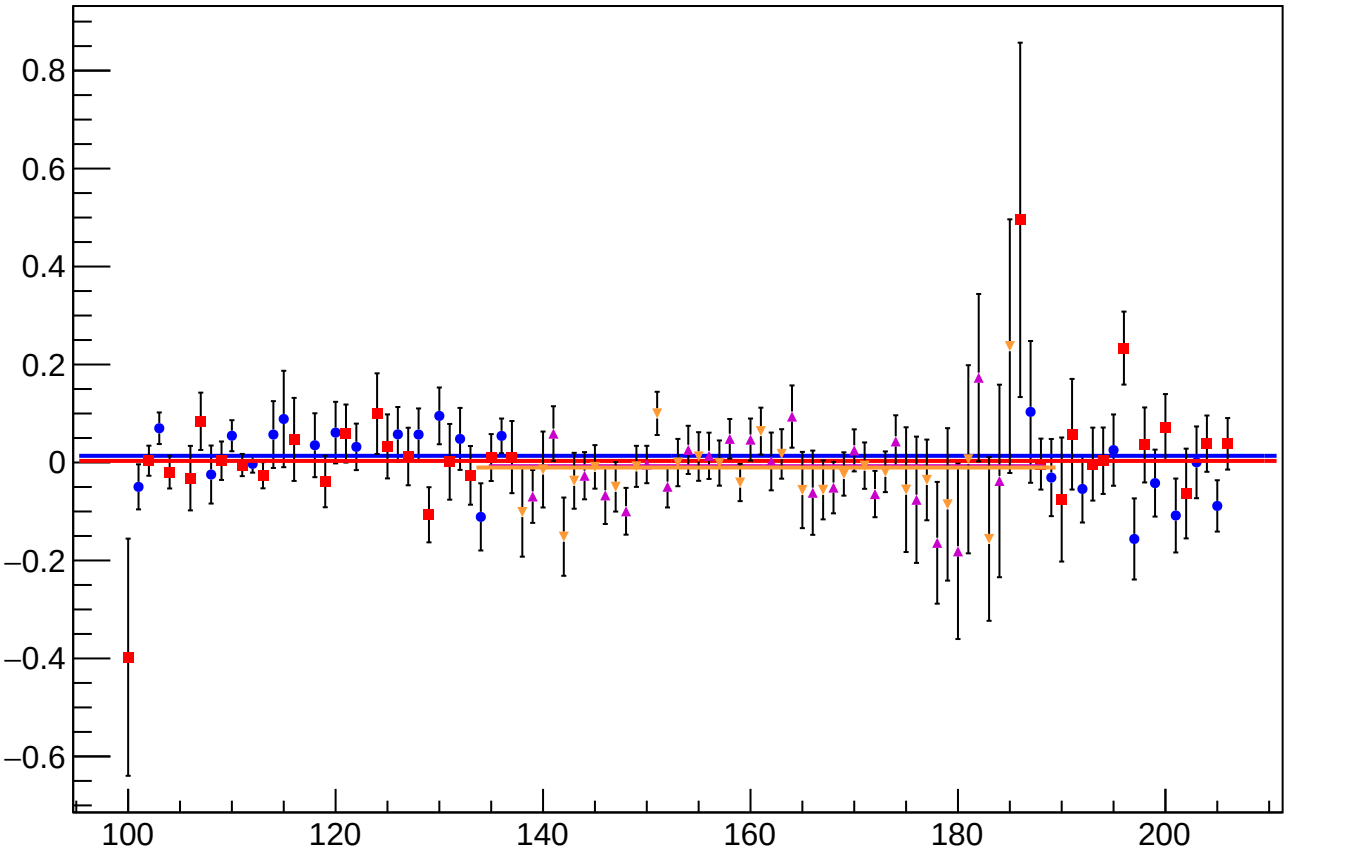
Right Out: 0.001+/-0.000 χ^2/NDF: 11899050.1/30

Left In: 0.002+/-0.000 χ^2/NDF:2093048.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 16396535.8/49

All: 0.001+/-0.000 χ^2/NDF: 38371821.1/103

- sign 0.001+/-0.000 χ^2/NDF: 21857593.4/53



Right In: 0.014+/-0.010 χ^2/NDF: 30.9/24

Left Out: -0.010+/-0.011 χ^2/NDF:18.1/24

Right Out: 0.003+/-0.009 χ^2/NDF: 28.9/30

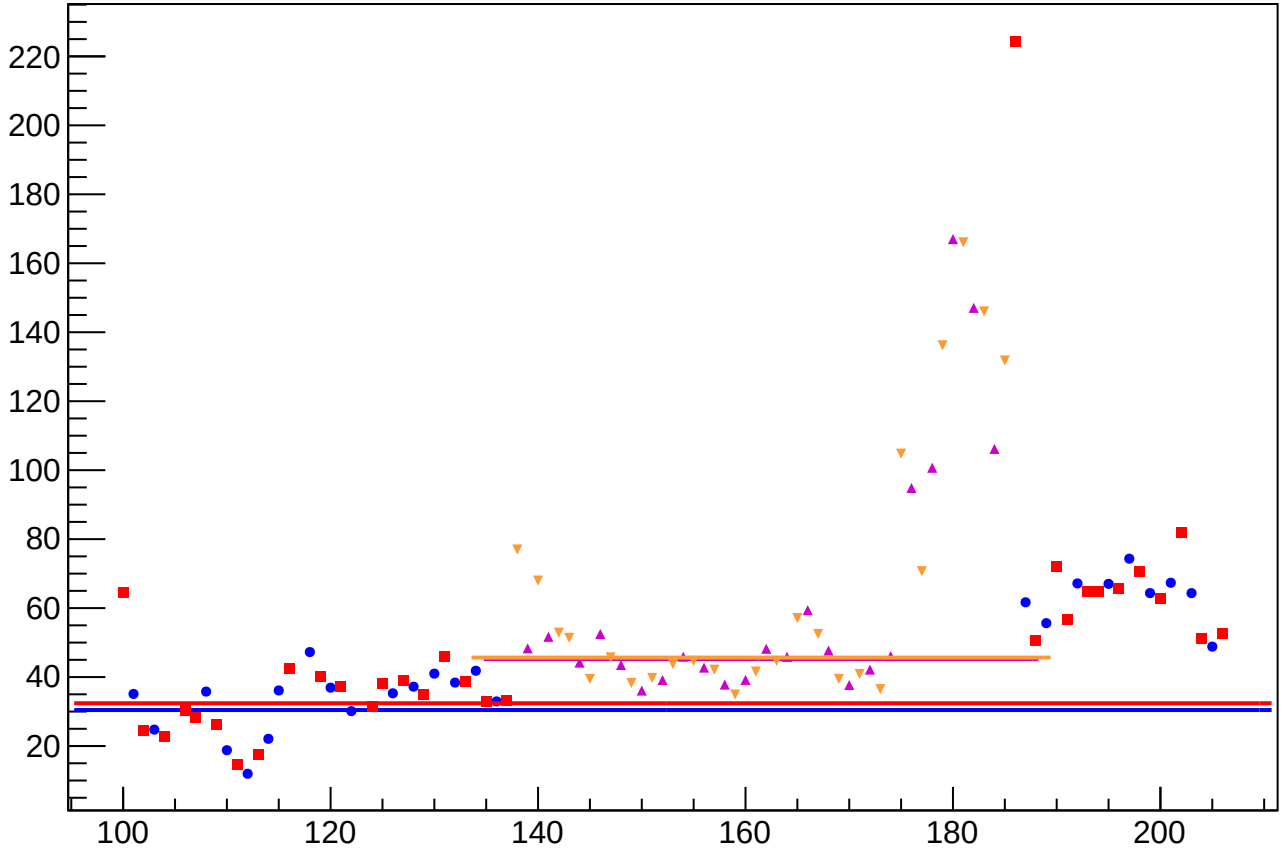
Left In: -0.008+/-0.011 χ^2/NDF:23.3/22

+ sign 0.004+/-0.007 χ^2/NDF: 51.6/49

All: 0.001+/-0.005 χ^2/NDF: 104.5/103

- sign -0.001+/-0.007 χ^2/NDF: 52.7/53

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 30.444+/-0.007 χ^2/NDF: 6492894.7/24

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

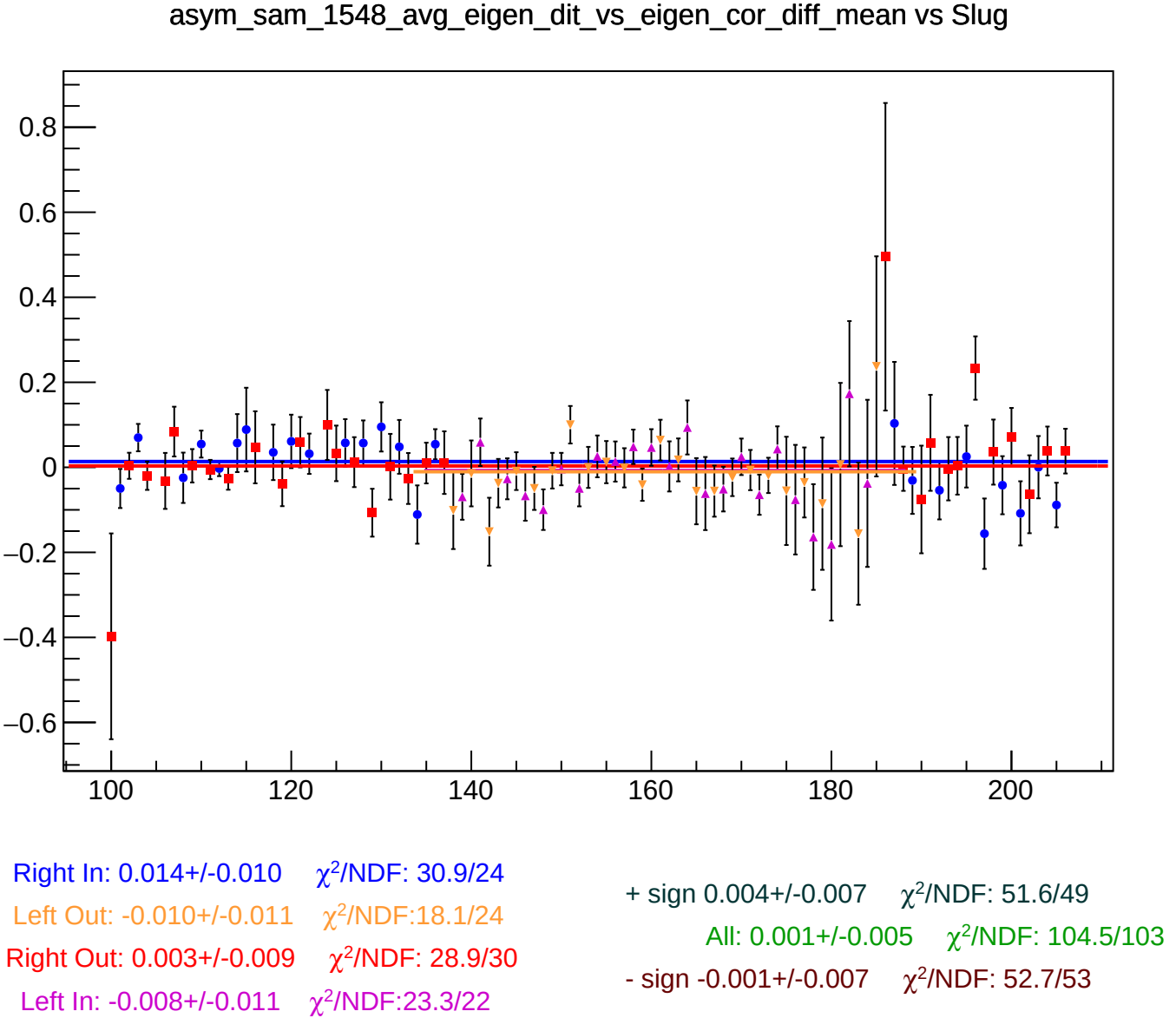
Right Out: 32.408+/-0.007 χ^2/NDF: 6809446.9/30

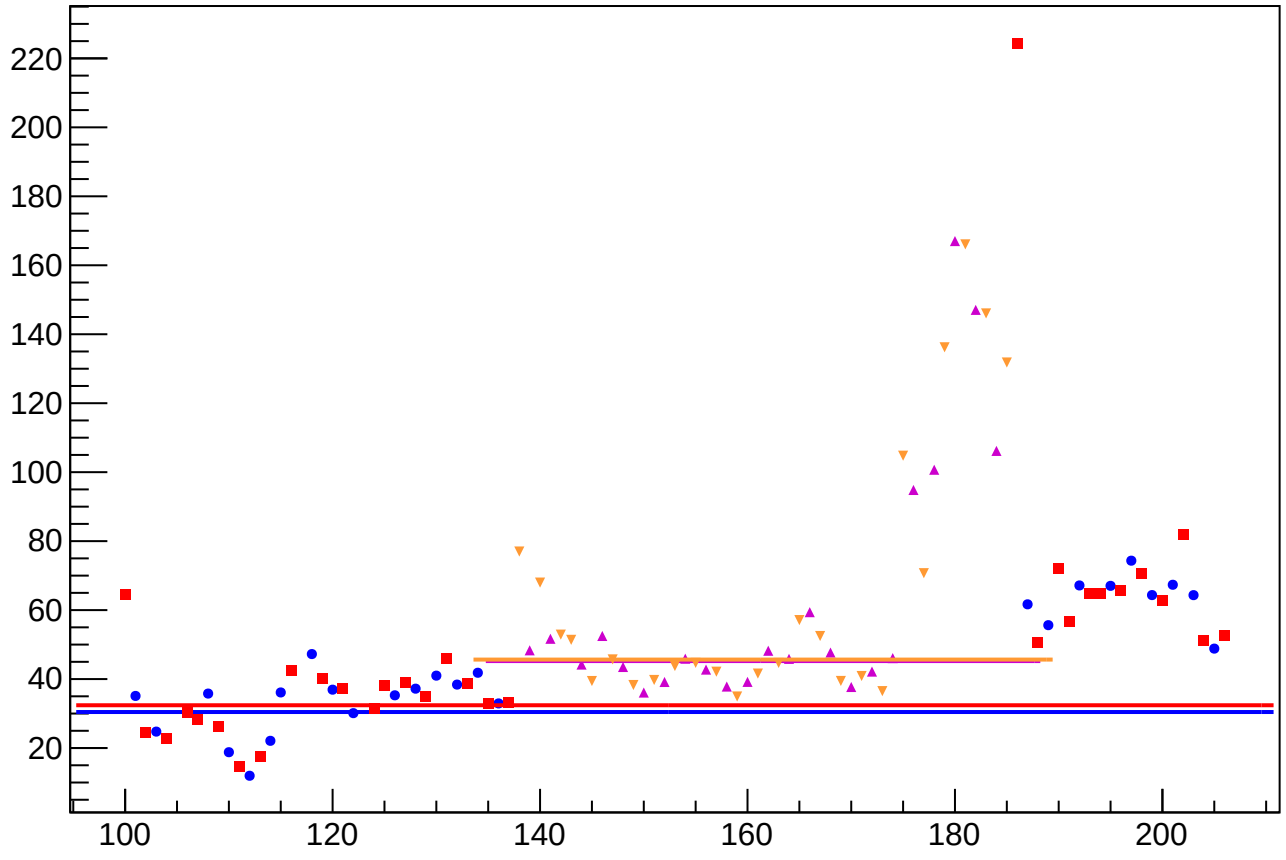
Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 36.777+/-0.005 χ^2/NDF: 12630849.9/49

All: 37.145+/-0.004 χ^2/NDF: 23958830.8/103

- sign 37.506+/-0.005 χ^2/NDF: 11317855.0/53


asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs Slug
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
100
120
140
160
180
200
Right In: 0.014+/-0.010 χ²/NDF: 30.9/24
Left Out: -0.010+/-0.011 χ²/NDF:18.1/24
Right Out: 0.003+/-0.009 χ²/NDF: 28.9/30
Left In: -0.008+/-0.011 χ²/NDF:23.3/22
+ sign 0.004+/-0.007 χ²/NDF: 51.6/49
All: 0.001+/-0.005 χ²/NDF: 104.5/103
- sign -0.001+/-0.007 χ²/NDF: 52.7/53



Right In: 30.444+/-0.007 χ^2/NDF: 6492894.7/24

Left Out: 45.651+/-0.008 χ^2/NDF:4015154.4/24

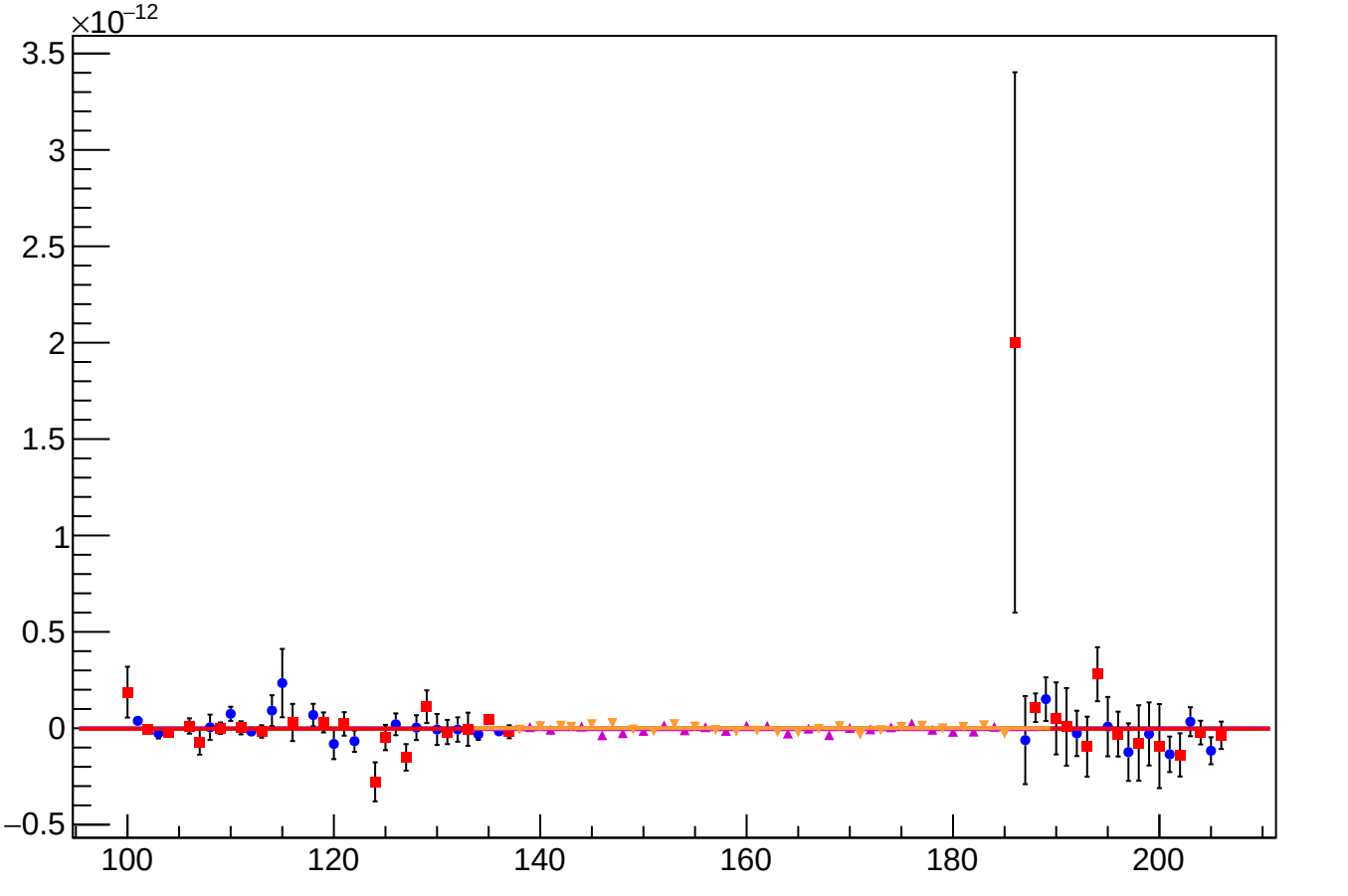
Right Out: 32.408+/-0.007 χ^2/NDF: 6809446.9/30

Left In: 45.218+/-0.008 χ^2/NDF:2992449.1/22

+ sign 36.777+/-0.005 χ^2/NDF: 12630849.9/49

All: 37.145+/-0.004 χ^2/NDF: 23958830.8/103

- sign 37.506+/-0.005 χ^2/NDF: 11317855.0/53



Right In: -0.000+/-0.000 χ^2/NDF: 26.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:25.4/24

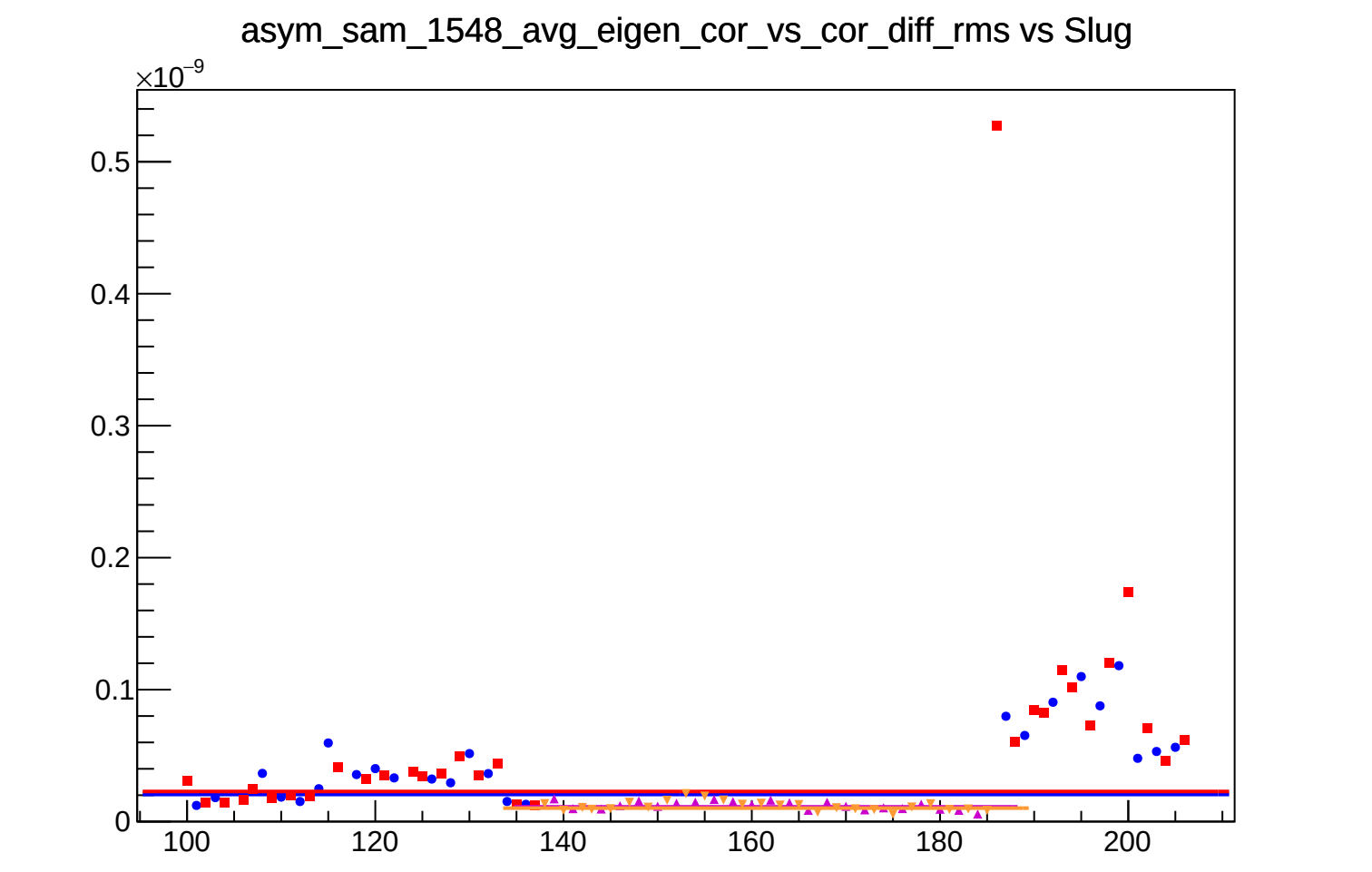
Right Out: -0.000+/-0.000 χ^2/NDF: 34.4/30

Left In: -0.000+/-0.000 χ^2/NDF:23.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.9/49

All: -0.000+/-0.000 χ^2/NDF: 111.7/103

- sign -0.000+/-0.000 χ^2/NDF: 58.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 6088119.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:2257651.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7545203.6/30

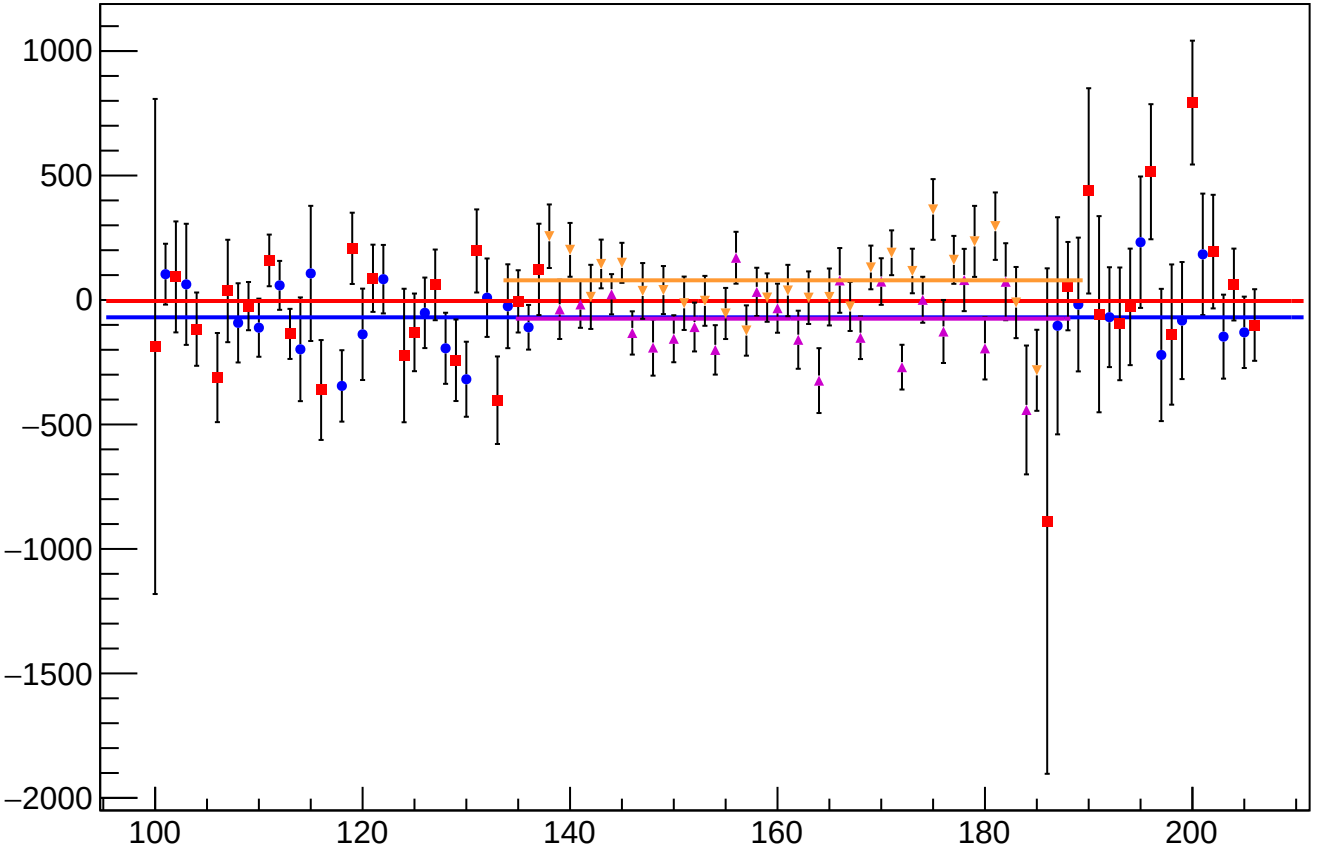
Left In: 0.000+/-0.000 χ^2/NDF:1536588.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 11042090.0/49

All: 0.000+/-0.000 χ^2/NDF: 23420684.3/103

- sign 0.000+/-0.000 χ^2/NDF: 12203136.8/53

reg_asym_sam_3748_avg_mean vs Slug



Right In: -69.555+/-31.593 χ^2/NDF: 17.2/24

Left Out: 79.098+/-21.102 χ^2/NDF:32.0/24

Right Out: -4.037+/-30.240 χ^2/NDF: 42.4/30

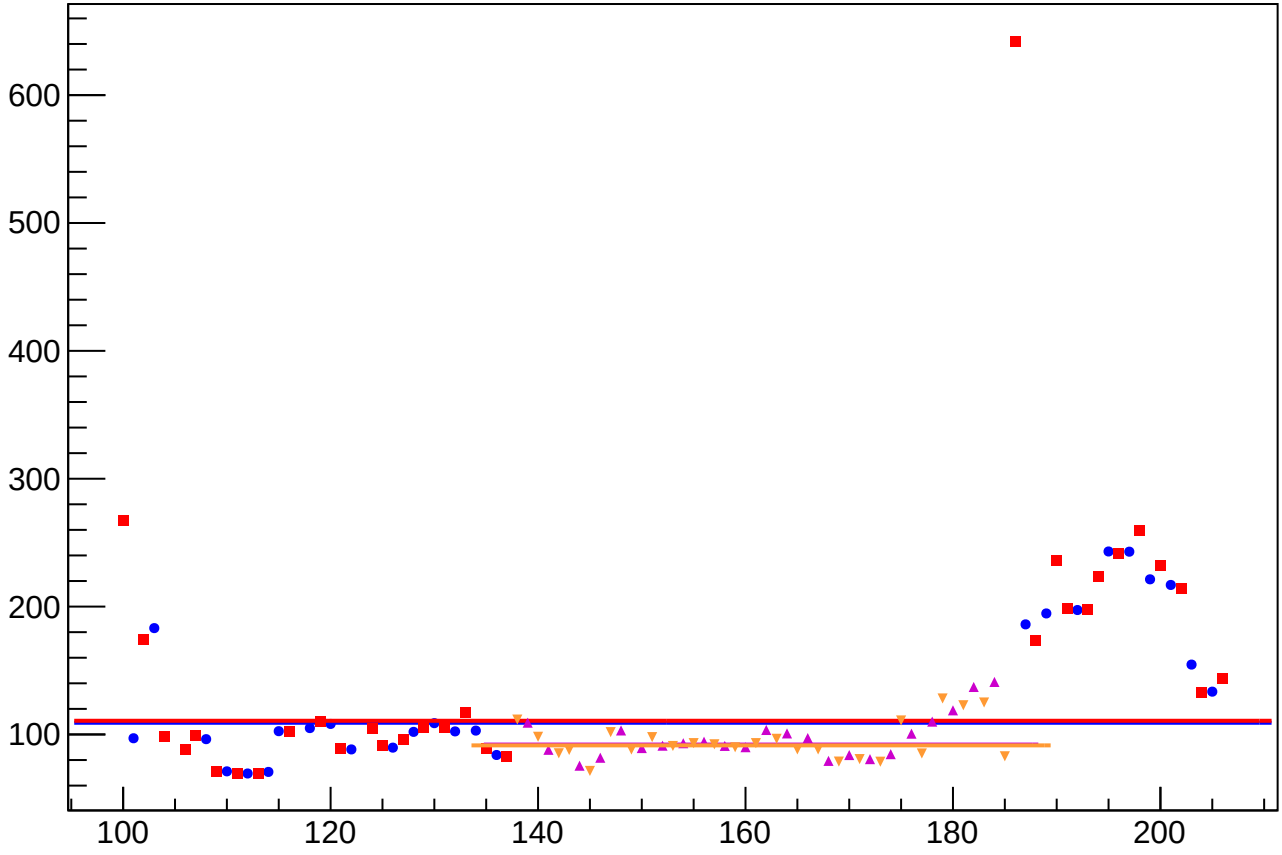
Left In: -75.048+/-21.837 χ^2/NDF:32.6/22

+ sign 33.238+/-17.548 χ^2/NDF: 64.5/49

All: -8.365+/-12.463 χ^2/NDF: 154.4/103

- sign -50.711+/-17.704 χ^2/NDF: 78.6/53

reg_asym_sam_3748_avg_rms vs Slug



Right In: 109.152+/-0.022 χ^2/NDF: 3802038.5/24

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

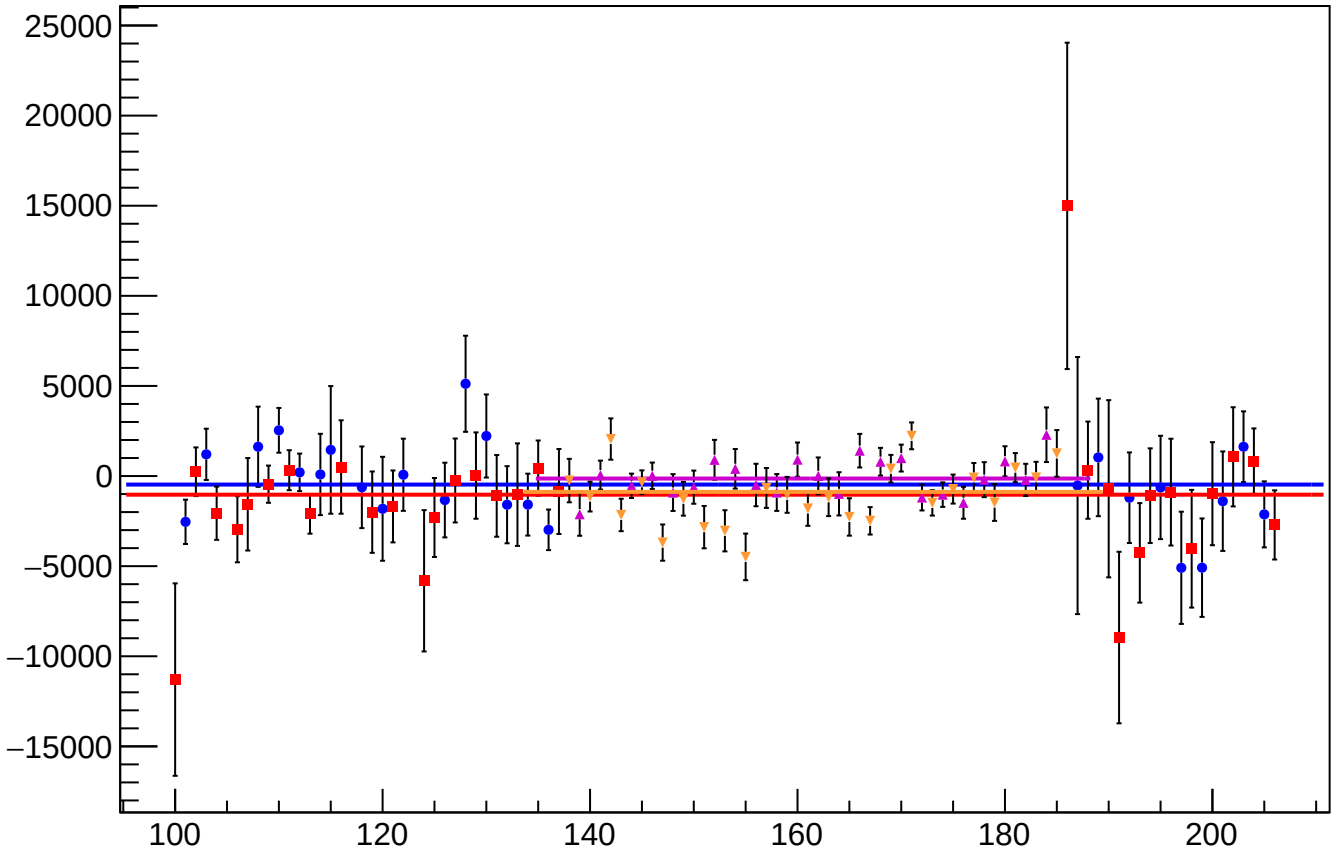
Right Out: 110.707+/-0.021 χ^2/NDF: 5385418.1/30

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 96.919+/-0.012 χ^2/NDF: 4986862.6/49

All: 97.691+/-0.009 χ^2/NDF: 11577351.9/103

- sign 98.478+/-0.013 χ^2/NDF: 6582672.1/53



Right In: -472.641+/-377.979 χ^2/NDF: 31.1/24

Left Out: -878.463+/-182.188 χ^2/NDF:67.7/24

Right Out: -1033.975+/-358.697 χ^2/NDF: 23.4/30

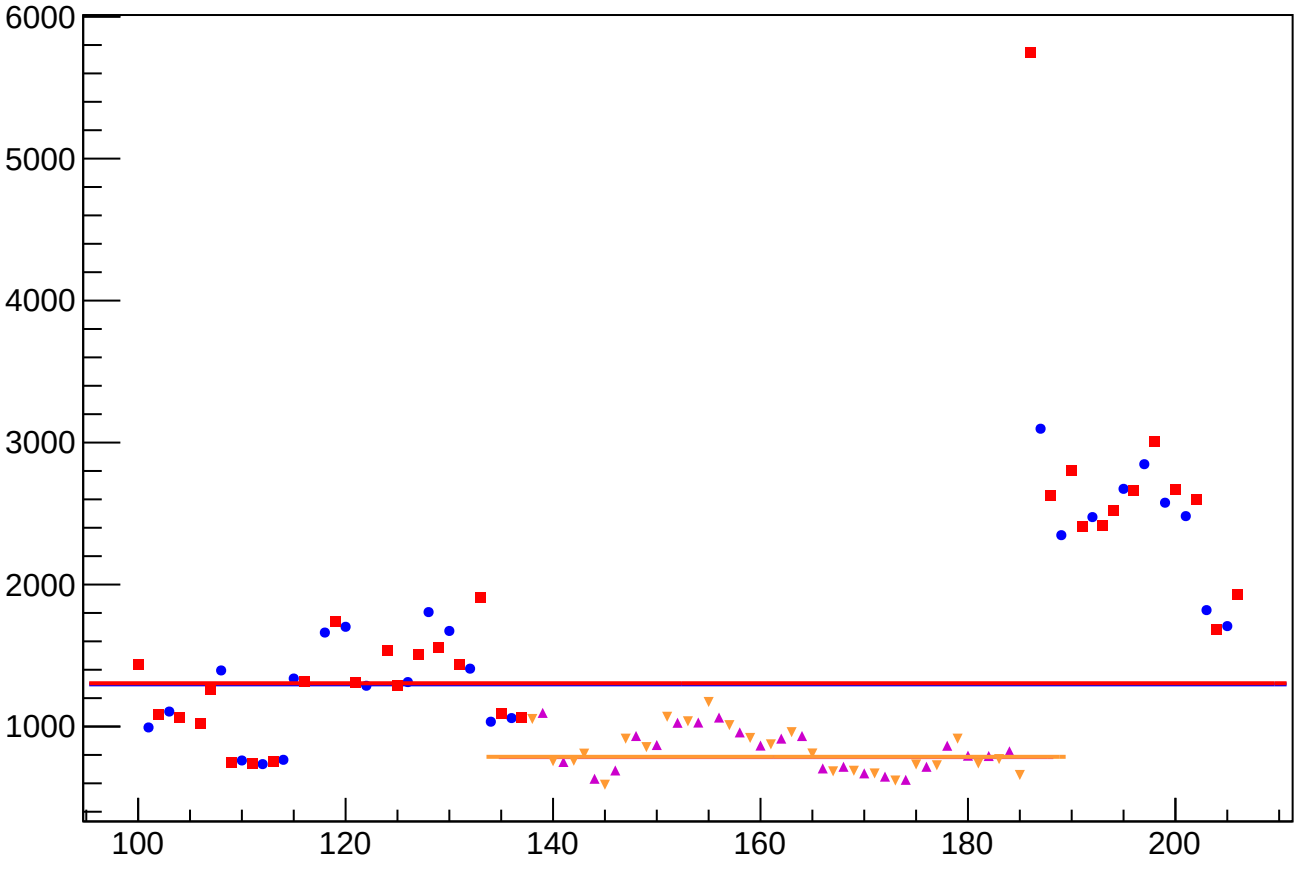
Left In: -138.728+/-186.573 χ^2/NDF:24.2/22

+ sign -801.954+/-164.118 χ^2/NDF: 99.8/49

All: -567.669+/-116.542 χ^2/NDF: 156.4/103

- sign -329.359+/-165.521 χ^2/NDF: 52.5/53

asym_sam_3748_avg_reg_correction_rms vs Slug



Right In: 1297.091+/-0.267 χ^2/NDF: 4369964.7/24

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1304.939+/-0.254 χ^2/NDF: 6194180.6/30

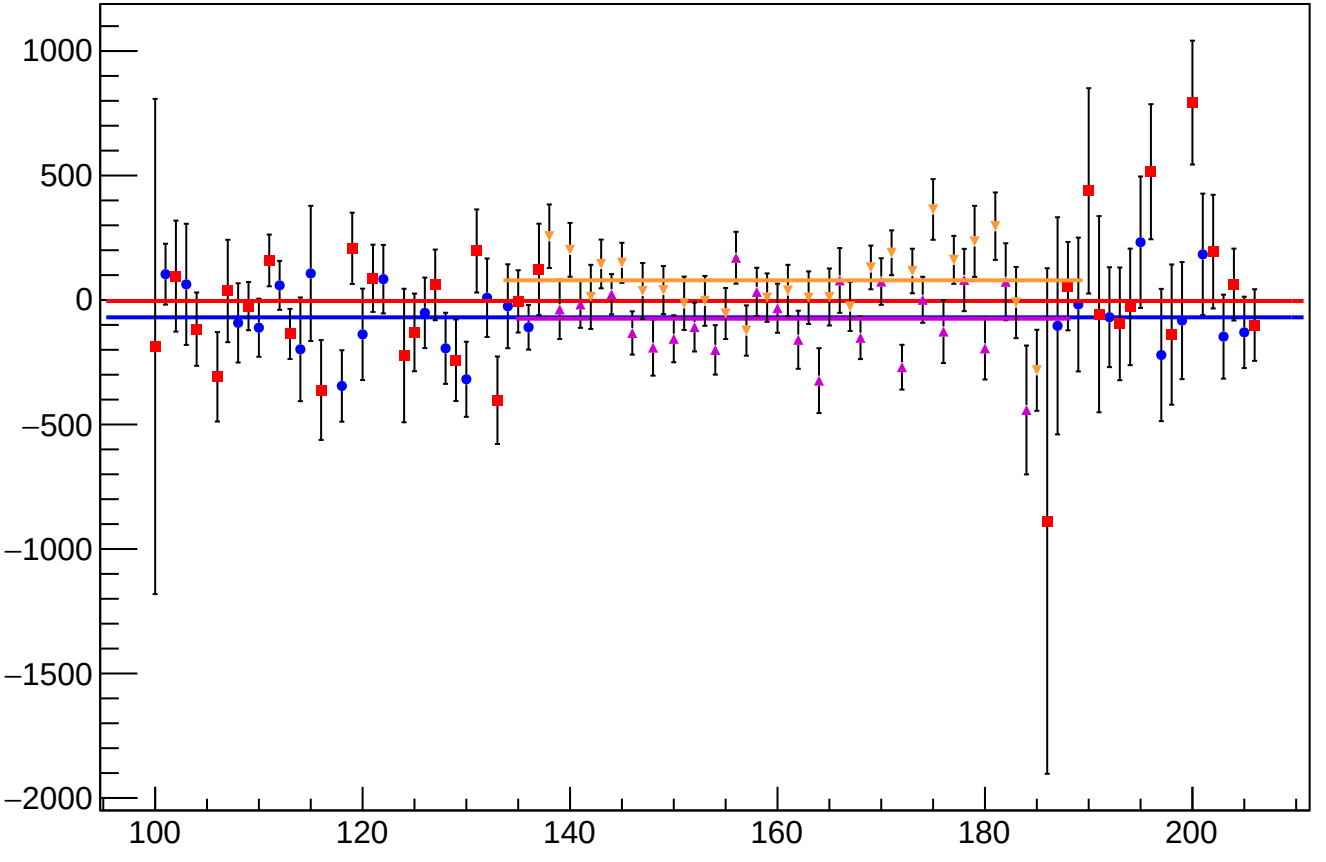
Left In: 784.833+/-0.132 χ^2/NDF:1063747.2/22

\+ sign 882.970+/-0.116 χ^2/NDF: 8539371.2/49

All: 889.223+/-0.082 χ^2/NDF: 19112684.3/10

\- sign 895.583+/-0.117 χ^2/NDF: 10567456.9/53

cor_asym_sam_3748_avg_mean vs Slug



Right In: -69.567+/-31.593 χ^2/NDF: 17.2/24

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -3.839+/-30.243 χ^2/NDF: 42.3/30

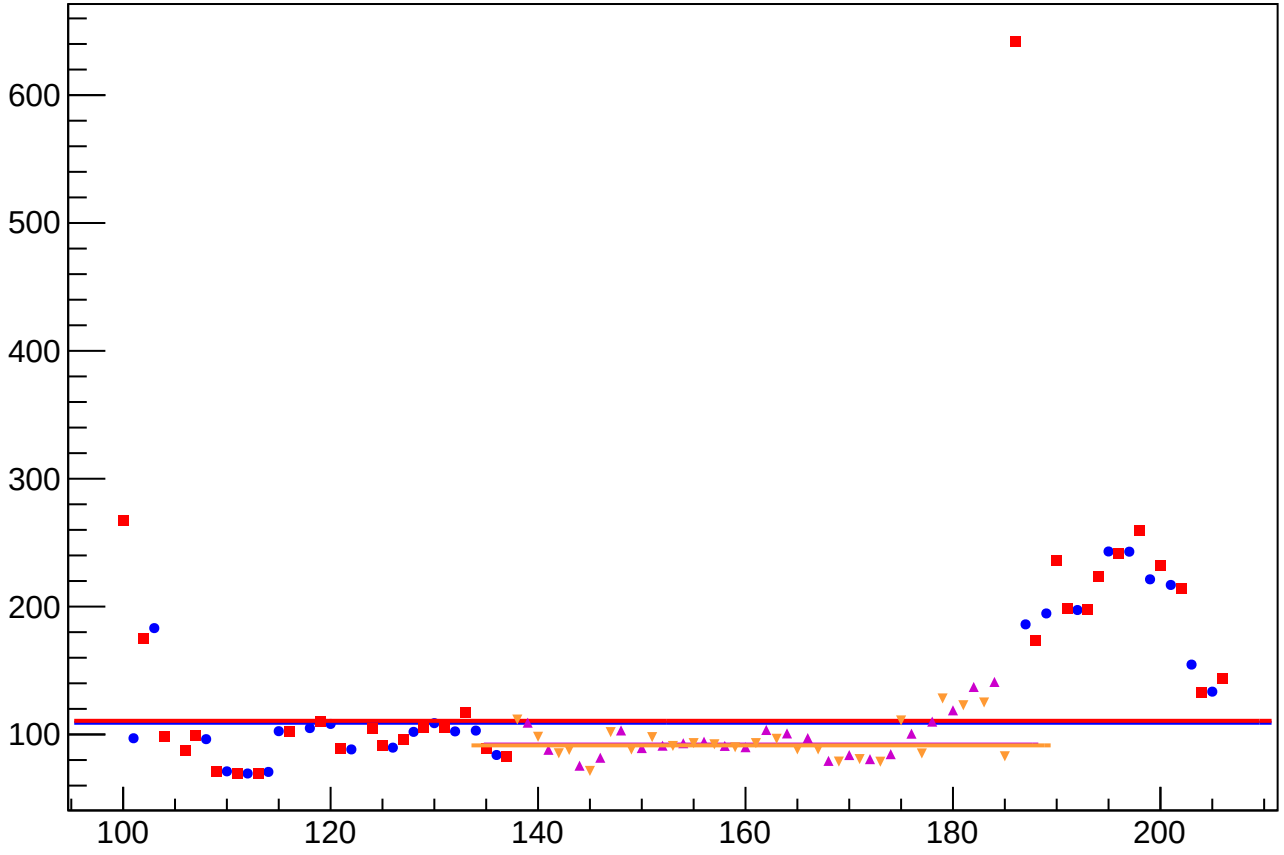
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 33.241+/-17.548 χ^2/NDF: 64.5/49

All: -8.331+/-12.463 χ^2/NDF: 154.4/103

- sign -50.646+/-17.704 χ^2/NDF: 78.6/53

cor_asym_sam_3748_avg_rms vs Slug



Right In: 109.152+/-0.022 χ^2/NDF: 3802041.6/24

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

Right Out: 110.674+/-0.021 χ^2/NDF: 5389159.6/30

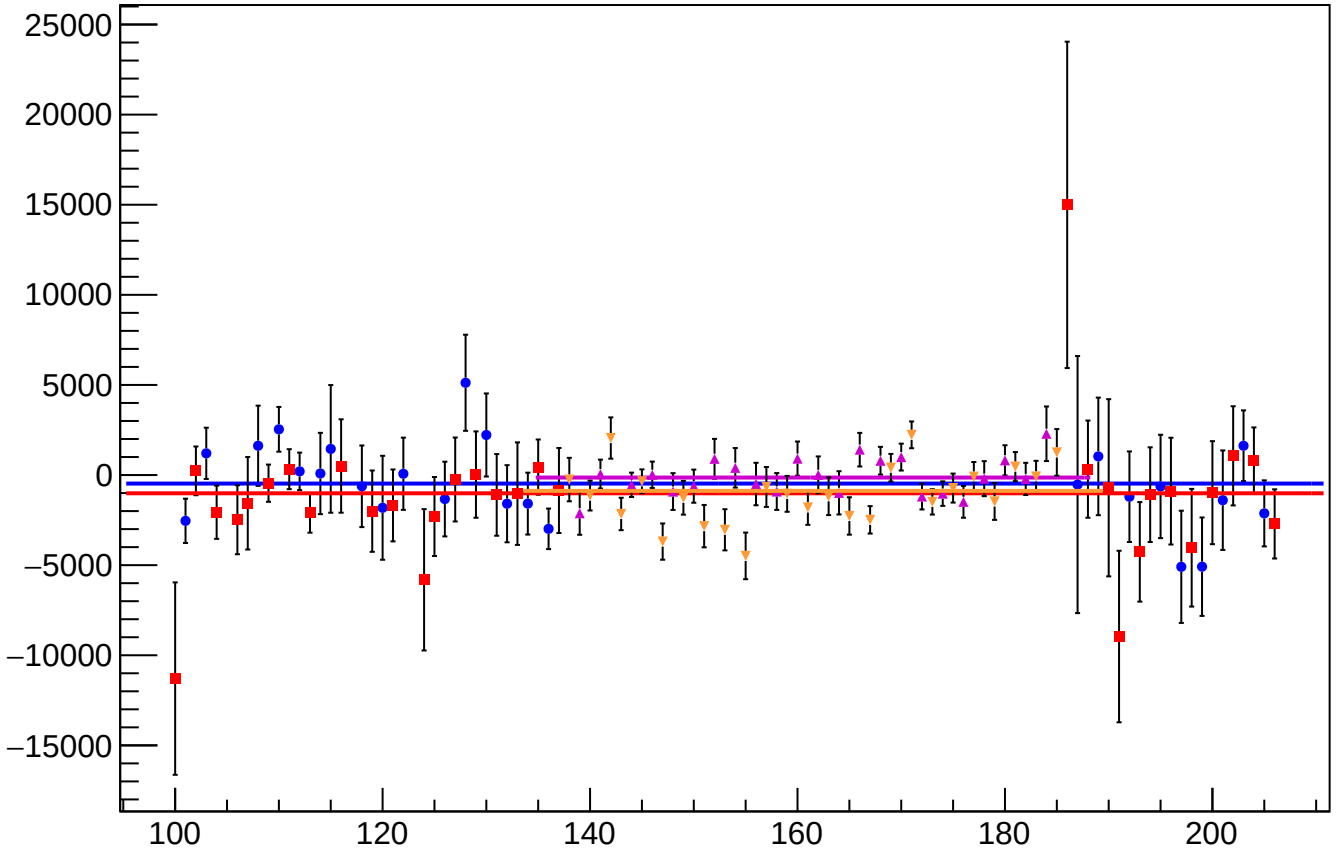
Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 96.919+/-0.012 χ^2/NDF: 4986865.8/49

All: 97.685+/-0.009 χ^2/NDF: 11579145.8/103

- sign 98.465+/-0.013 χ^2/NDF: 6584584.3/53

asym_sam_3748_avg_cor_correction_mean vs Slug



Right In: -472.659+/-377.982 χ^2/NDF: 31.1/24

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

Right Out: -1011.959+/-359.276 χ^2/NDF: 22.9/30

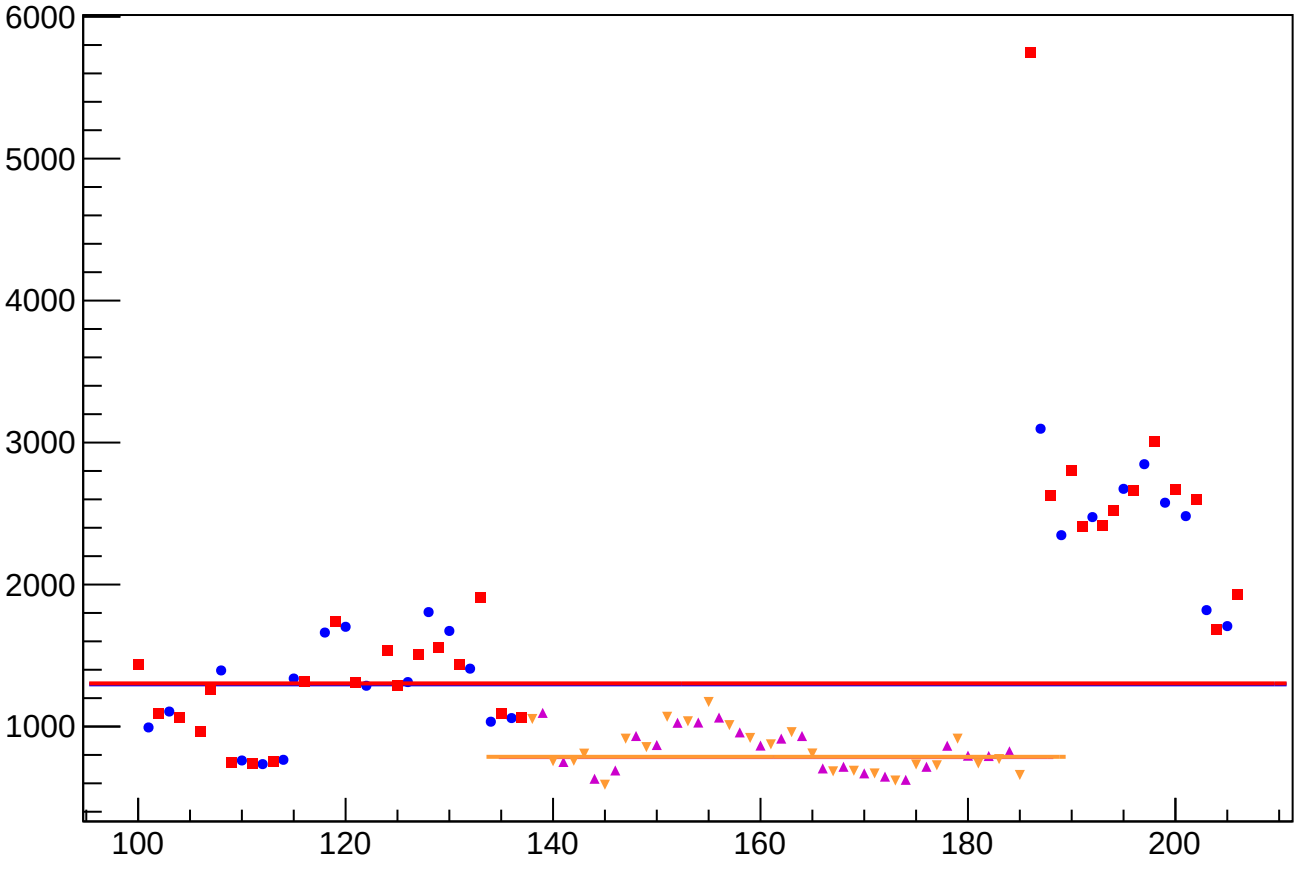
Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -801.950+/-164.118 χ^2/NDF: 99.8/49

All: -565.192+/-116.562 χ^2/NDF: 155.7/103

- sign -324.201+/-165.578 χ^2/NDF: 51.8/53

asym_sam_3748_avg_cor_correction_rms vs Slug



Right In: 1297.101+/-0.267 χ^2/NDF: 4369921.0/24

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1303.891+/-0.254 χ^2/NDF: 6209115.7/30

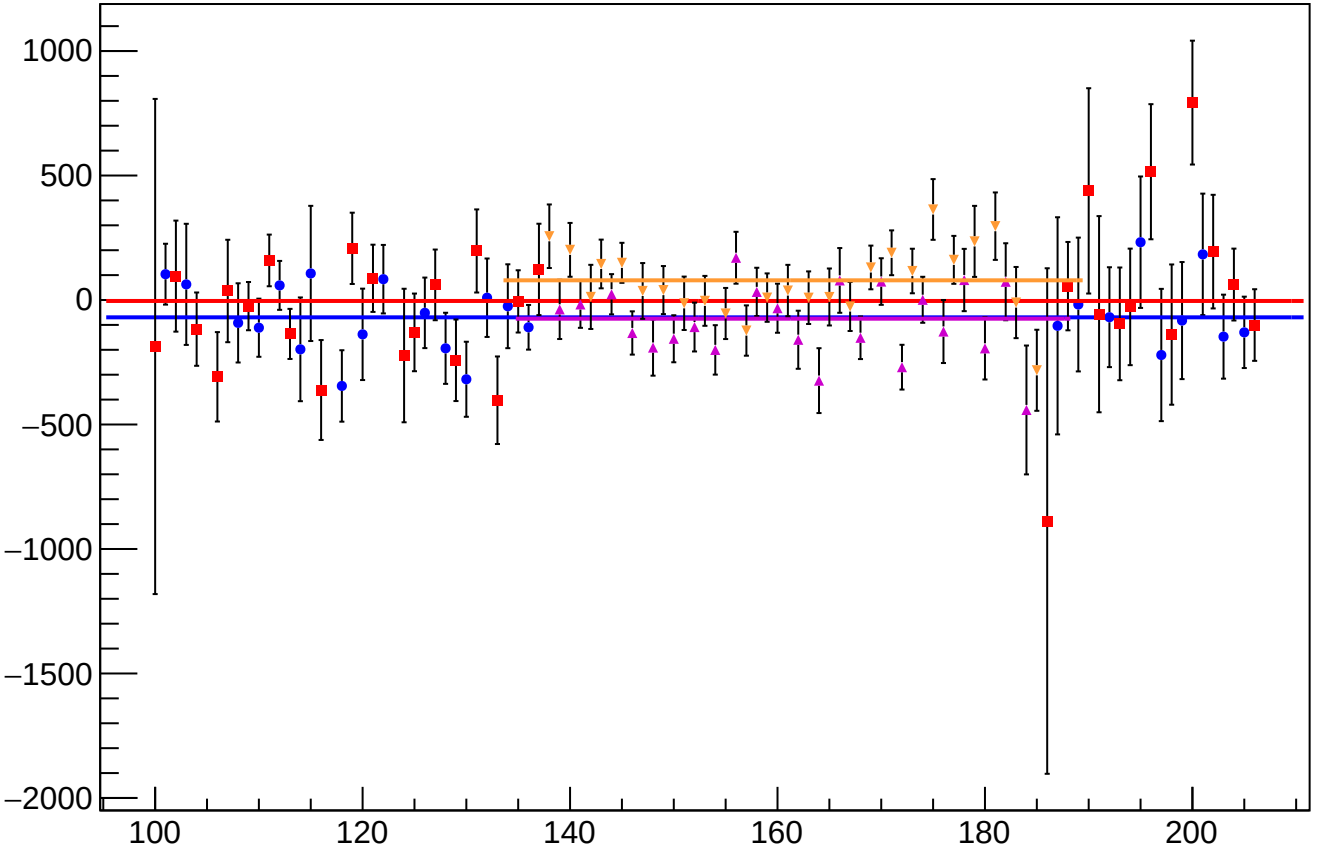
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 882.971+/-0.116 χ^2/NDF: 8539412.3/49

All: 888.972+/-0.082 χ^2/NDF: 19105511.2/10

- sign 895.080+/-0.117 χ^2/NDF: 10560703.4/53

eigen_cor_asym_sam_3748_avg_mean vs Slug



Right In: -69.567+/-31.593 χ^2/NDF: 17.2/24

Left Out: 79.106+/-21.102 χ^2/NDF:32.0/24

Right Out: -3.839+/-30.243 χ^2/NDF: 42.3/30

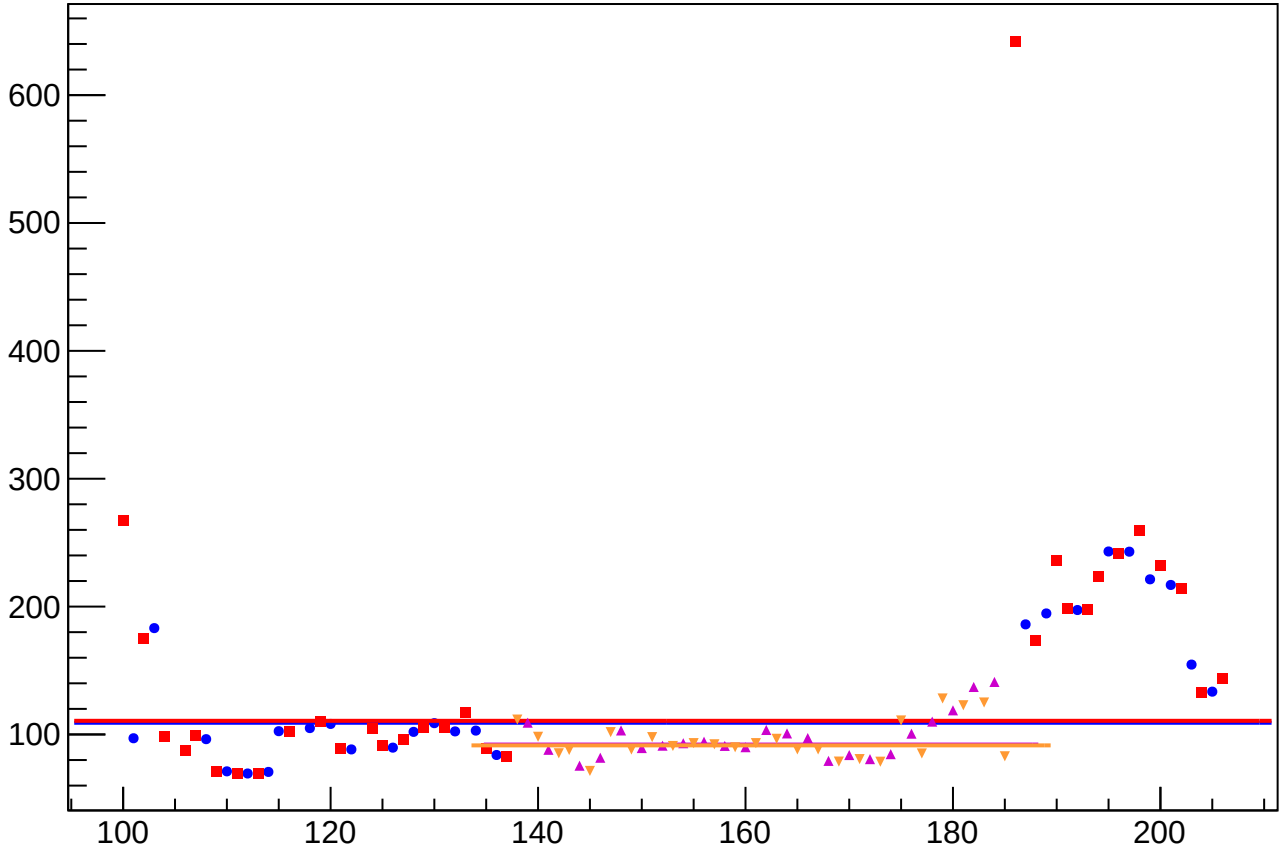
Left In: -75.049+/-21.837 χ^2/NDF:32.6/22

+ sign 33.241+/-17.548 χ^2/NDF: 64.5/49

All: -8.331+/-12.463 χ^2/NDF: 154.4/103

- sign -50.646+/-17.704 χ^2/NDF: 78.6/53

eigen_cor_asym_sam_3748_avg_rms vs Slug



Right In: 109.152+/-0.022 χ^2/NDF: 3802041.6/24

Left Out: 91.462+/-0.015 χ^2/NDF:751213.9/24

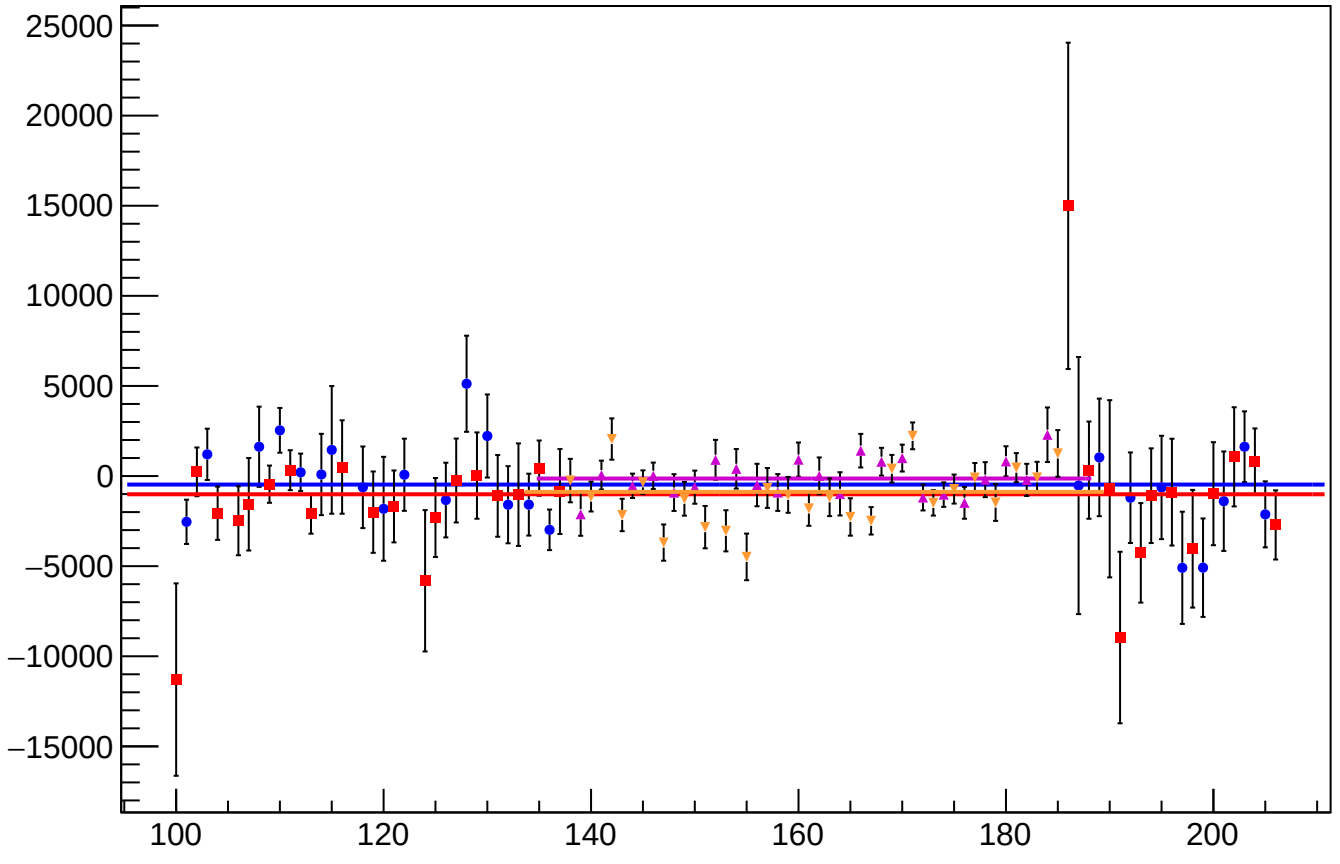
Right Out: 110.674+/-0.021 χ^2/NDF: 5389159.6/30

Left In: 92.100+/-0.015 χ^2/NDF:699590.1/22

+ sign 96.919+/-0.012 χ^2/NDF: 4986865.8/49

All: 97.685+/-0.009 χ^2/NDF: 11579145.8/103

- sign 98.465+/-0.013 χ^2/NDF: 6584584.3/53



Right In: -472.659+/-377.982 χ^2/NDF: 31.1/24

Left Out: -878.453+/-182.188 χ^2/NDF:67.7/24

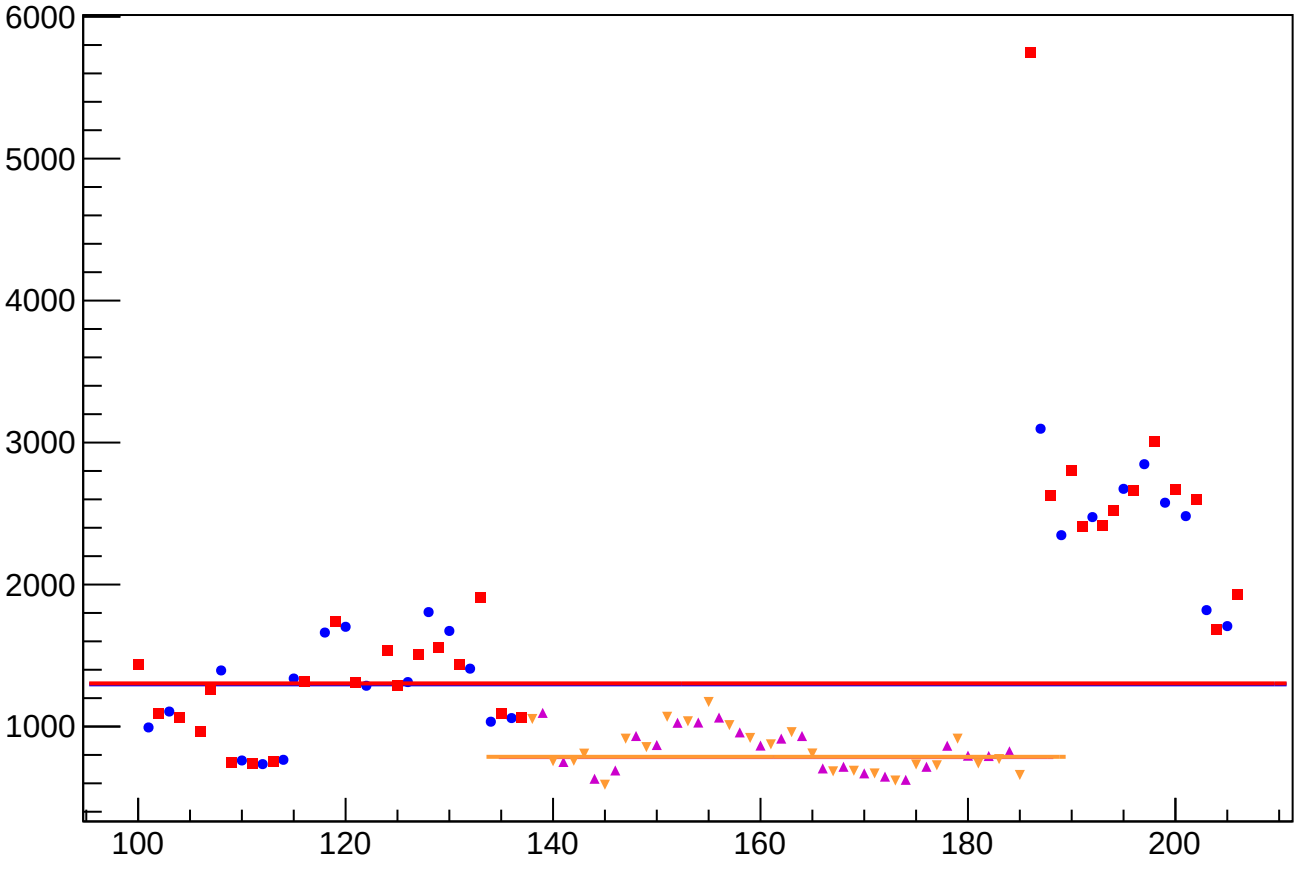
Right Out: -1011.959+/-359.276 χ^2/NDF: 22.9/30

Left In: -138.730+/-186.573 χ^2/NDF:24.2/22

+ sign -801.950+/-164.118 χ^2/NDF: 99.8/49

All: -565.192+/-116.562 χ^2/NDF: 155.7/103

- sign -324.201+/-165.578 χ^2/NDF: 51.8/53



Right In: 1297.101+/-0.267 χ^2/NDF: 4369921.0/24

Left Out: 786.758+/-0.129 χ^2/NDF:1210893.0/24

Right Out: 1303.891+/-0.254 χ^2/NDF: 6209115.7/30

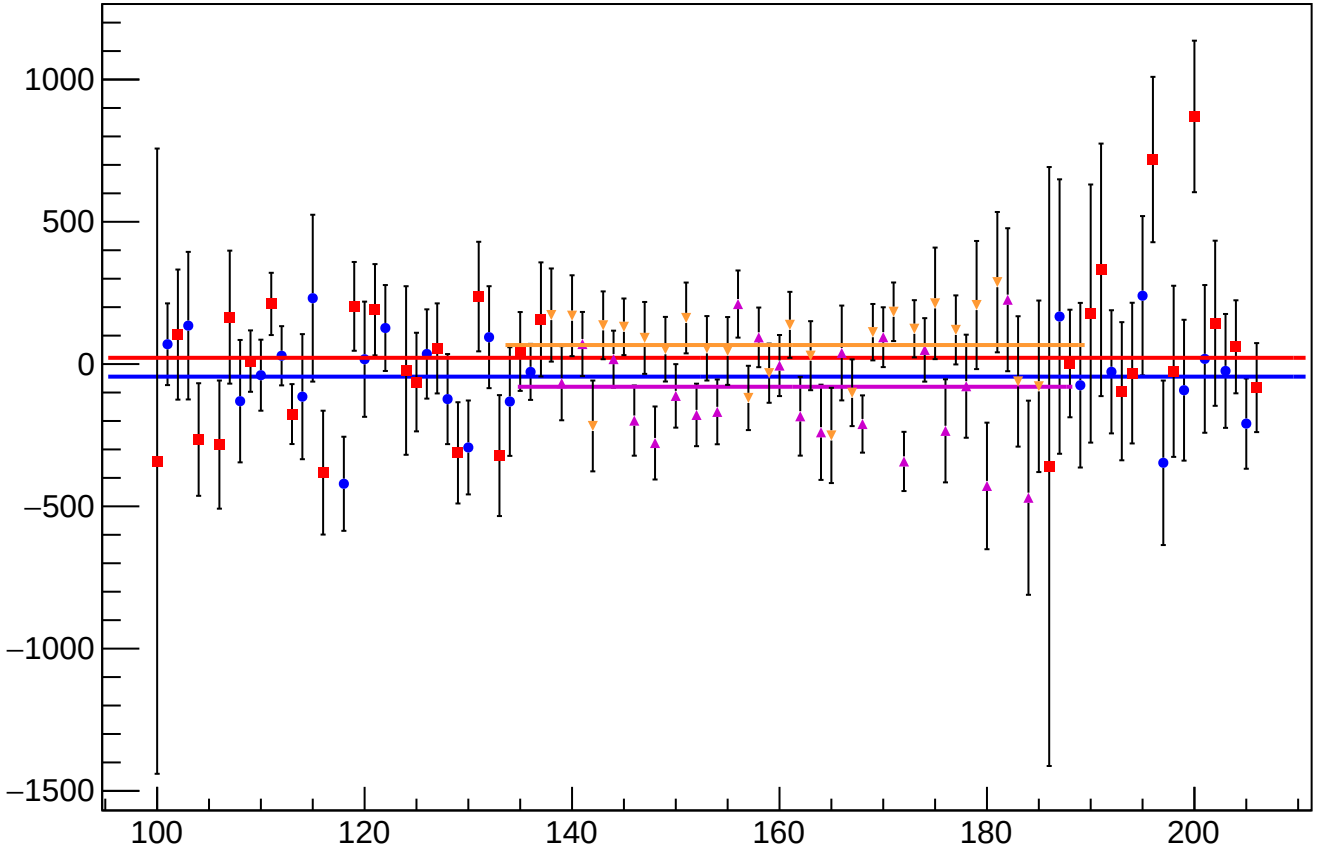
Left In: 784.833+/-0.132 χ^2/NDF:1063746.9/22

+ sign 882.971+/-0.116 χ^2/NDF: 8539412.3/49

All: 888.972+/-0.082 χ^2/NDF: 19105511.2/10

- sign 895.080+/-0.117 χ^2/NDF: 10560703.4/53

dit_asym_sam_3748_avg_mean vs Slug



Right In: -44.186+/-35.007 χ^2/NDF: 16.5/24

Left Out: 66.896+/-25.584 χ^2/NDF:19.6/24

Right Out: 21.983+/-33.598 χ^2/NDF: 42.8/30

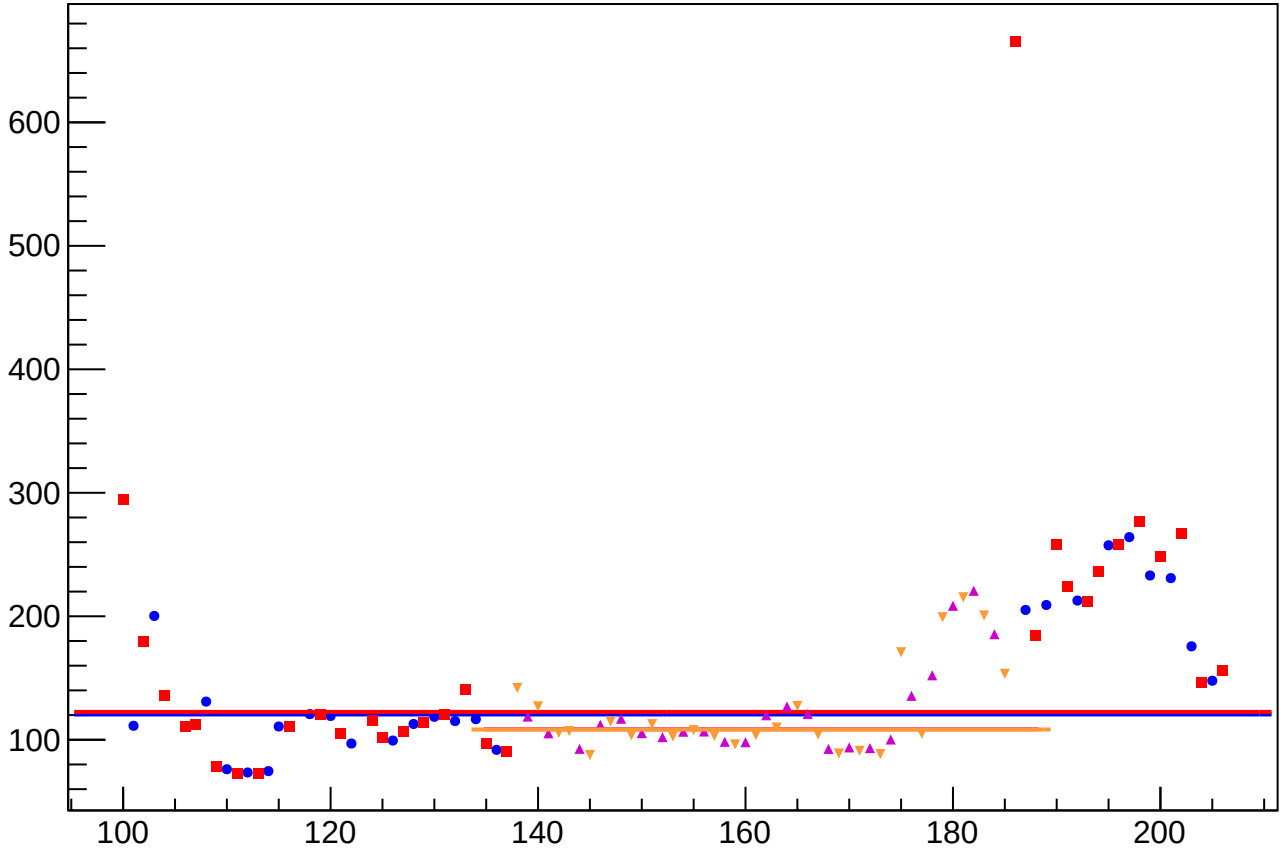
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 28.223+/-20.656 χ^2/NDF: 42.6/49

All: -6.354+/-14.625 χ^2/NDF: 133.6/103

- sign -41.109+/-20.709 χ^2/NDF: 85.4/53

dit_asym_sam_3748_avg_rms vs Slug



Right In: 120.490+/-0.025 χ^2/NDF: 3786553.5/24

Left Out: 108.330+/-0.018 χ^2/NDF:1774599.9/24

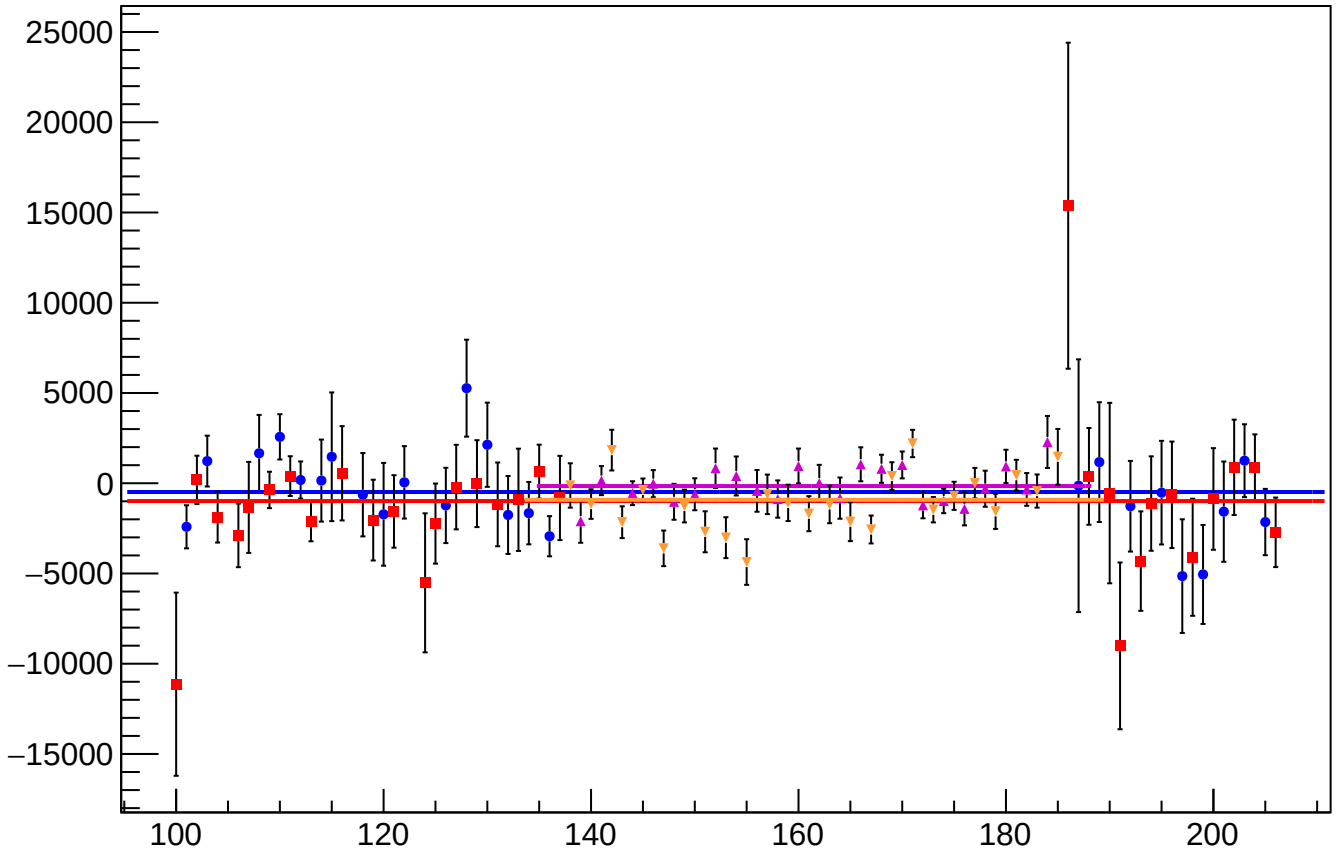
Right Out: 122.584+/-0.024 χ^2/NDF: 5366557.0/30

Left In: 108.492+/-0.019 χ^2/NDF:1379398.3/22

+ sign 112.564+/-0.015 χ^2/NDF: 5718455.8/49

All: 113.203+/-0.010 χ^2/NDF: 12686409.9/10

- sign 113.846+/-0.015 χ^2/NDF: 6964109.5/53



Right In: -486.502+/-376.738 χ^2/NDF: 30.8/24

Left Out: -918.735+/-182.461 χ^2/NDF:64.1/24

Right Out: -987.596+/-355.159 χ^2/NDF: 24.4/30

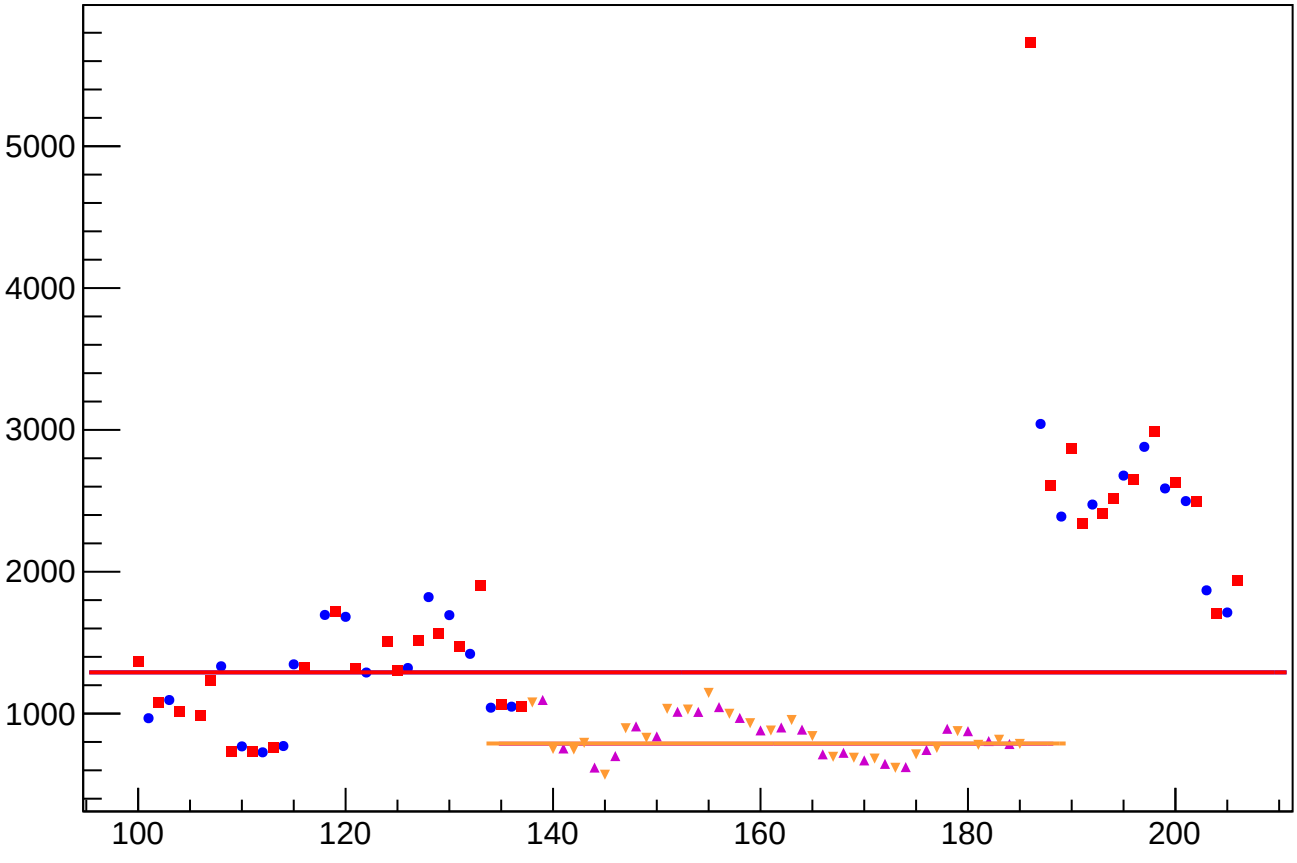
Left In: -155.874+/-187.116 χ^2/NDF:23.1/22

+ sign -836.612+/-164.215 χ^2/NDF: 95.9/49

All: -588.612+/-116.585 χ^2/NDF: 152.3/103

- sign -336.578+/-165.546 χ^2/NDF: 51.8/53

asym_sam_3748_avg_dit_correction_rms vs Slug



Right In: 1290.534+/-0.266 χ^2/NDF: 4479735.0/24

Left Out: 789.250+/-0.129 χ^2/NDF:1176799.1/24

Right Out: 1290.642+/-0.251 χ^2/NDF: 6270336.1/30

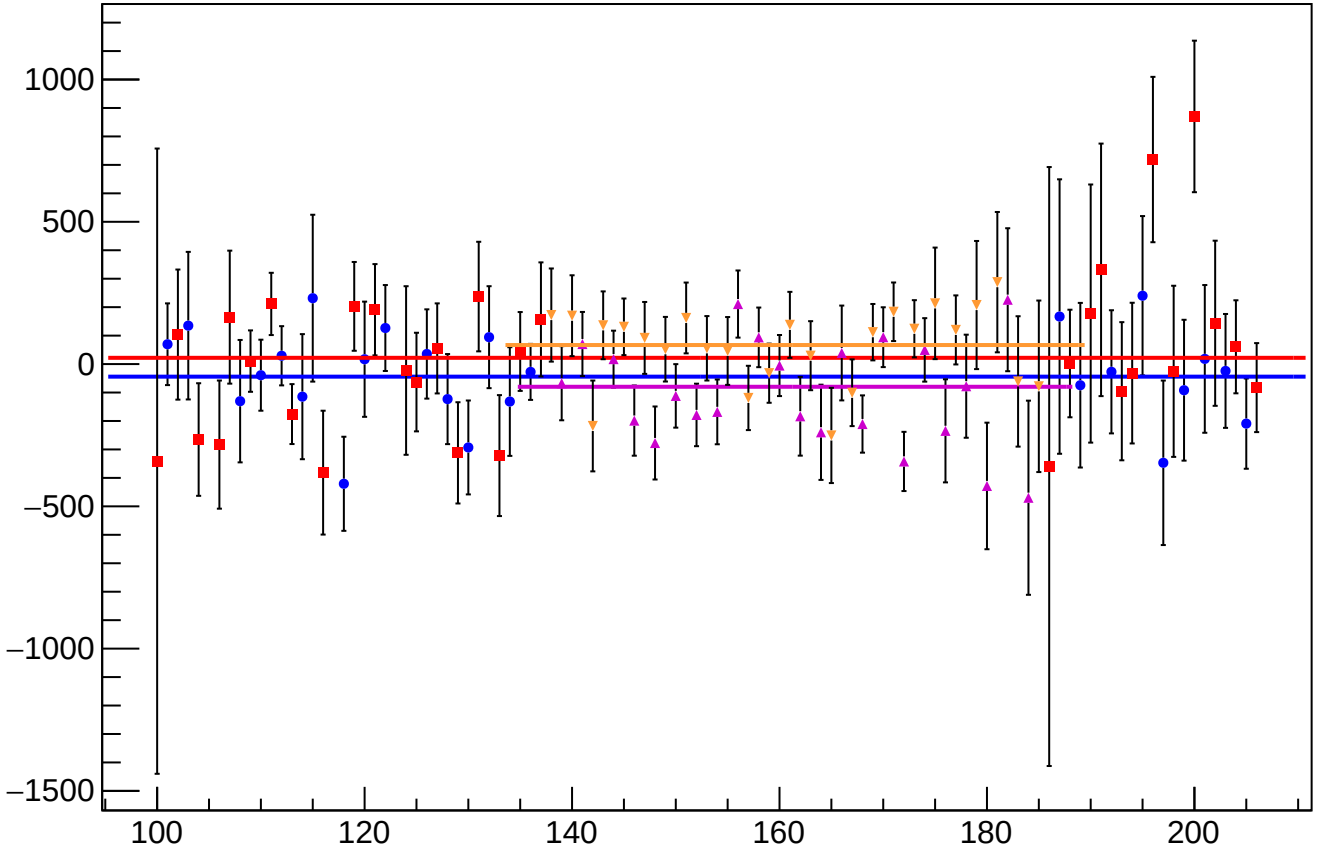
Left In: 787.390+/-0.132 χ^2/NDF:1041390.9/22

+ sign 884.493+/-0.116 χ^2/NDF: 8524714.8/49

All: 890.561+/-0.082 χ^2/NDF: 18985141.3/10

- sign 896.729+/-0.117 χ^2/NDF: 10454919.0/53

eigen_dit_asym_sam_3748_avg_mean vs Slug



Right In: -44.185+/-35.007 χ^2/NDF: 16.5/24

Left Out: 66.898+/-25.584 χ^2/NDF:19.6/24

Right Out: 21.984+/-33.598 χ^2/NDF: 42.8/30

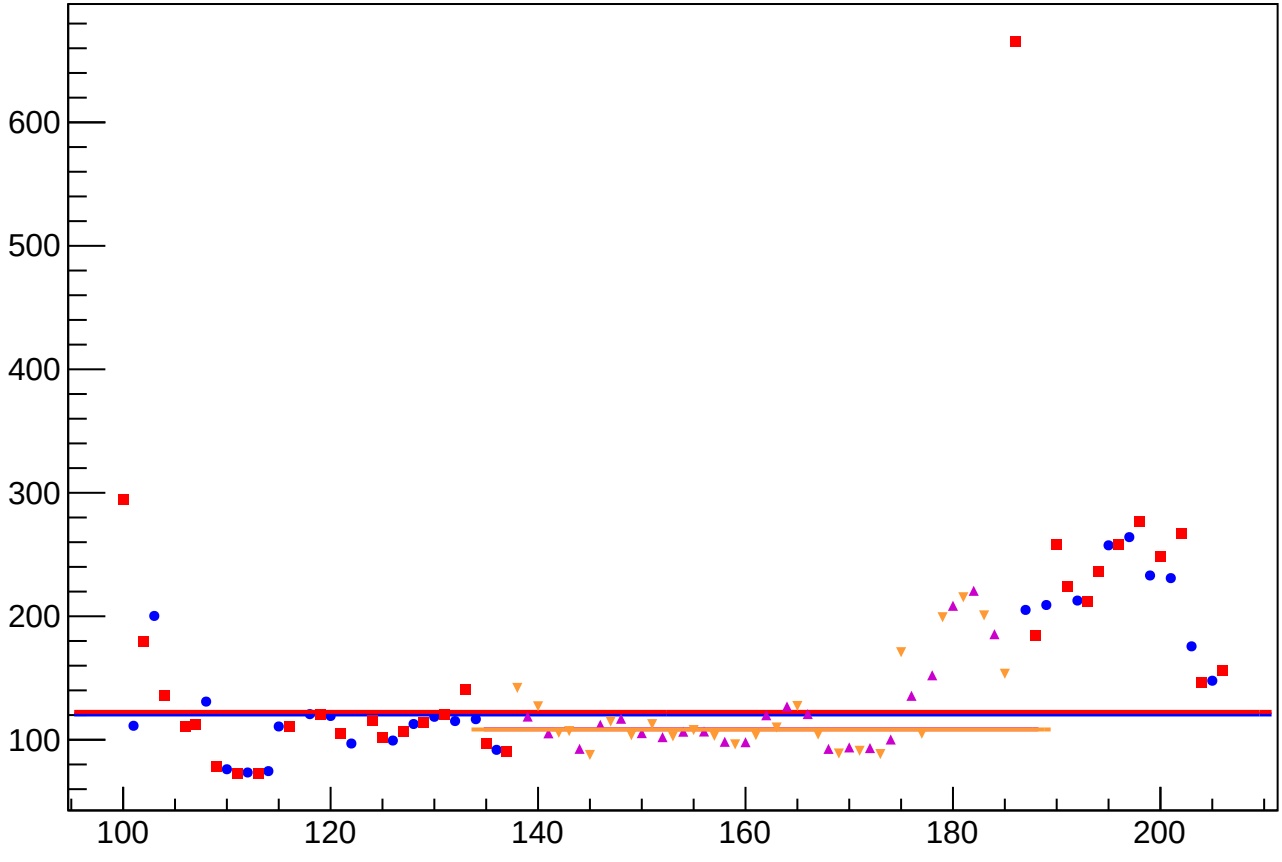
Left In: -79.766+/-26.299 χ^2/NDF:36.9/22

+ sign 28.224+/-20.656 χ^2/NDF: 42.6/49

All: -6.353+/-14.625 χ^2/NDF: 133.6/103

- sign -41.108+/-20.709 χ^2/NDF: 85.4/53

eigen_dit_asym_sam_3748_avg_rms vs Slug



Right In: 120.490+/-0.025 χ^2/NDF: 3786541.7/24

Left Out: 108.330+/-0.018 χ^2/NDF:1774594.6/24

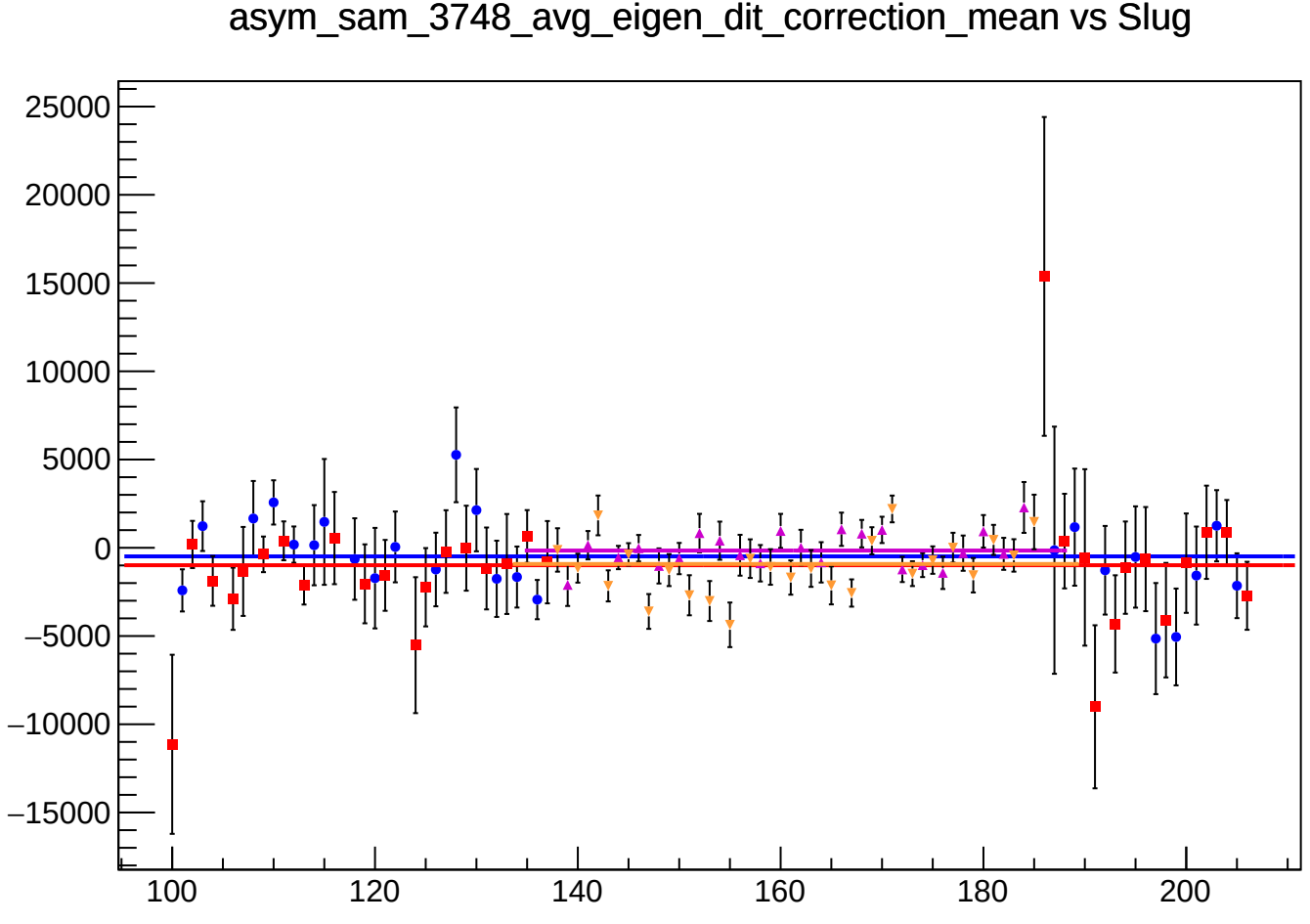
Right Out: 122.584+/-0.024 χ^2/NDF: 5366560.8/30

Left In: 108.493+/-0.019 χ^2/NDF:1379379.3/22

+ sign 112.564+/-0.015 χ^2/NDF: 5718434.0/49

All: 113.203+/-0.010 χ^2/NDF: 12686367.8/10

- sign 113.846+/-0.015 χ^2/NDF: 6964089.2/53



Right In: -486.501+/-376.737 χ^2/NDF: 30.8/24

Left Out: -918.734+/-182.461 χ^2/NDF:64.1/24

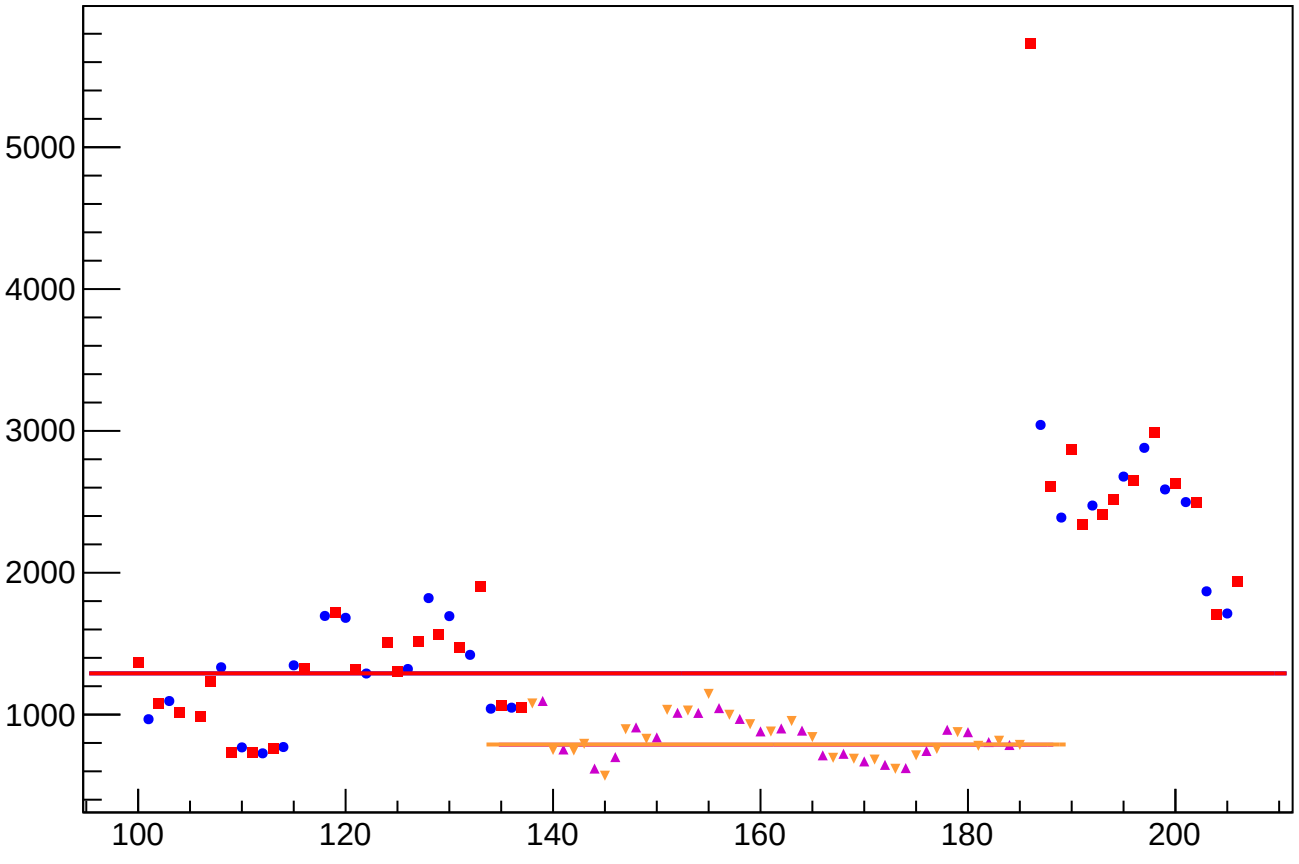
Right Out: -987.595+/-355.158 χ^2/NDF: 24.4/30

Left In: -155.873+/-187.115 χ^2/NDF:23.1/22

+ sign -836.611+/-164.215 χ^2/NDF: 95.9/49

All: -588.611+/-116.585 χ^2/NDF: 152.3/103

- sign -336.577+/-165.545 χ^2/NDF: 51.8/53



Right In: 1290.532+/-0.266 χ^2/NDF: 4479743.3/24

Left Out: 789.248+/-0.129 χ^2/NDF:1176801.9/24

Right Out: 1290.640+/-0.251 χ^2/NDF: 6270340.8/30

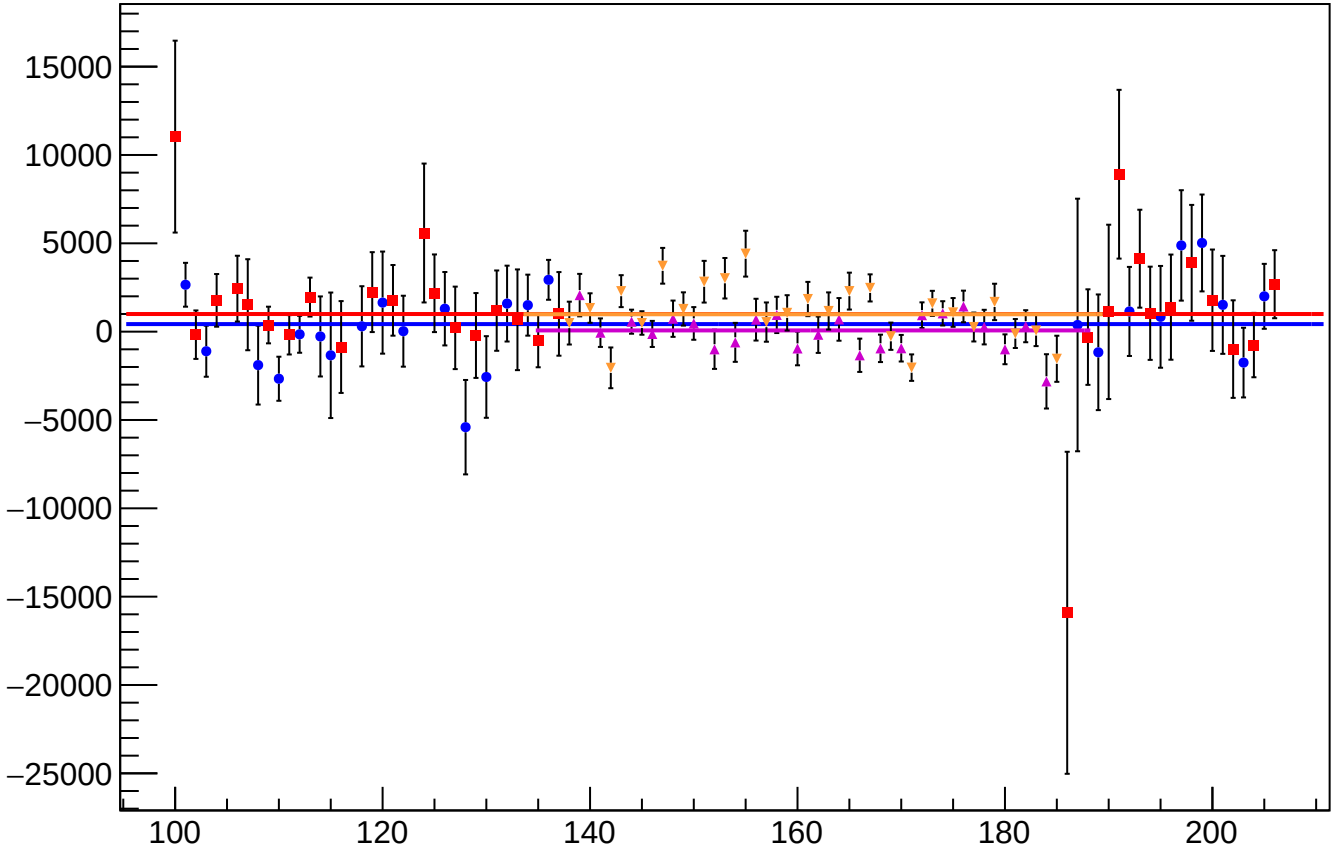
Left In: 787.388+/-0.132 χ^2/NDF:1041391.2/22

+ sign 884.491+/-0.116 χ^2/NDF: 8524725.3/49

All: 890.560+/-0.082 χ^2/NDF: 18985158.4/10

- sign 896.727+/-0.117 χ^2/NDF: 10454925.6/53

asym_sam_3748_avg_mean vs Slug



Right In: 427.881+/-379.897 χ^2/NDF: 32.0/24

Left Out: 985.656+/-183.601 χ^2/NDF:63.7/24

Right Out: 998.012+/-360.580 χ^2/NDF: 22.0/30

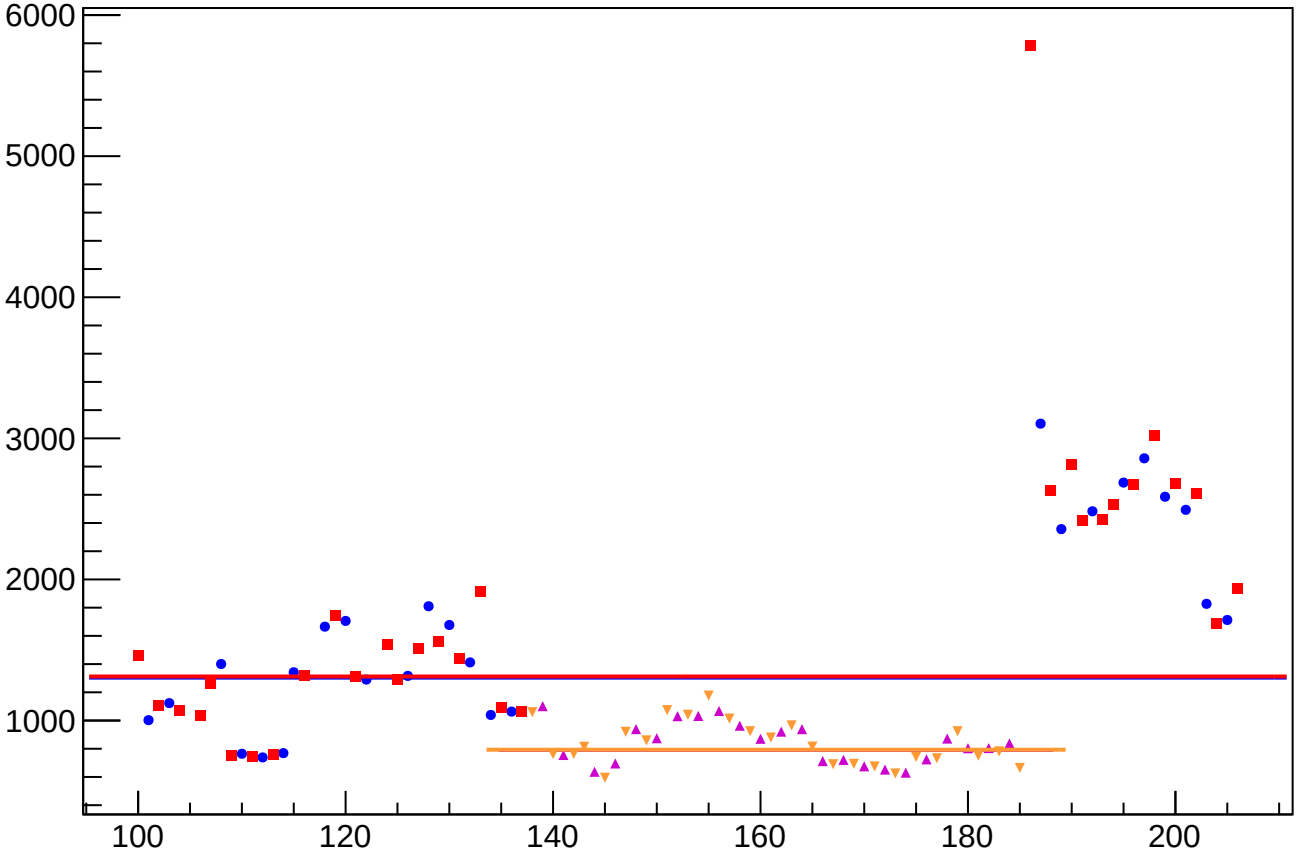
Left In: 70.089+/-188.036 χ^2/NDF:24.4/22

+ sign 880.044+/-165.308 χ^2/NDF: 97.4/49

All: 576.876+/-117.389 χ^2/NDF: 155.8/103

- sign 268.480+/-166.727 χ^2/NDF: 51.6/53

asym_sam_3748_avg_rms vs Slug



Right In: 1304.173+/-0.269 χ^2/NDF: 4352663.1/24

Left Out: 793.051+/-0.130 χ^2/NDF:1193972.3/24

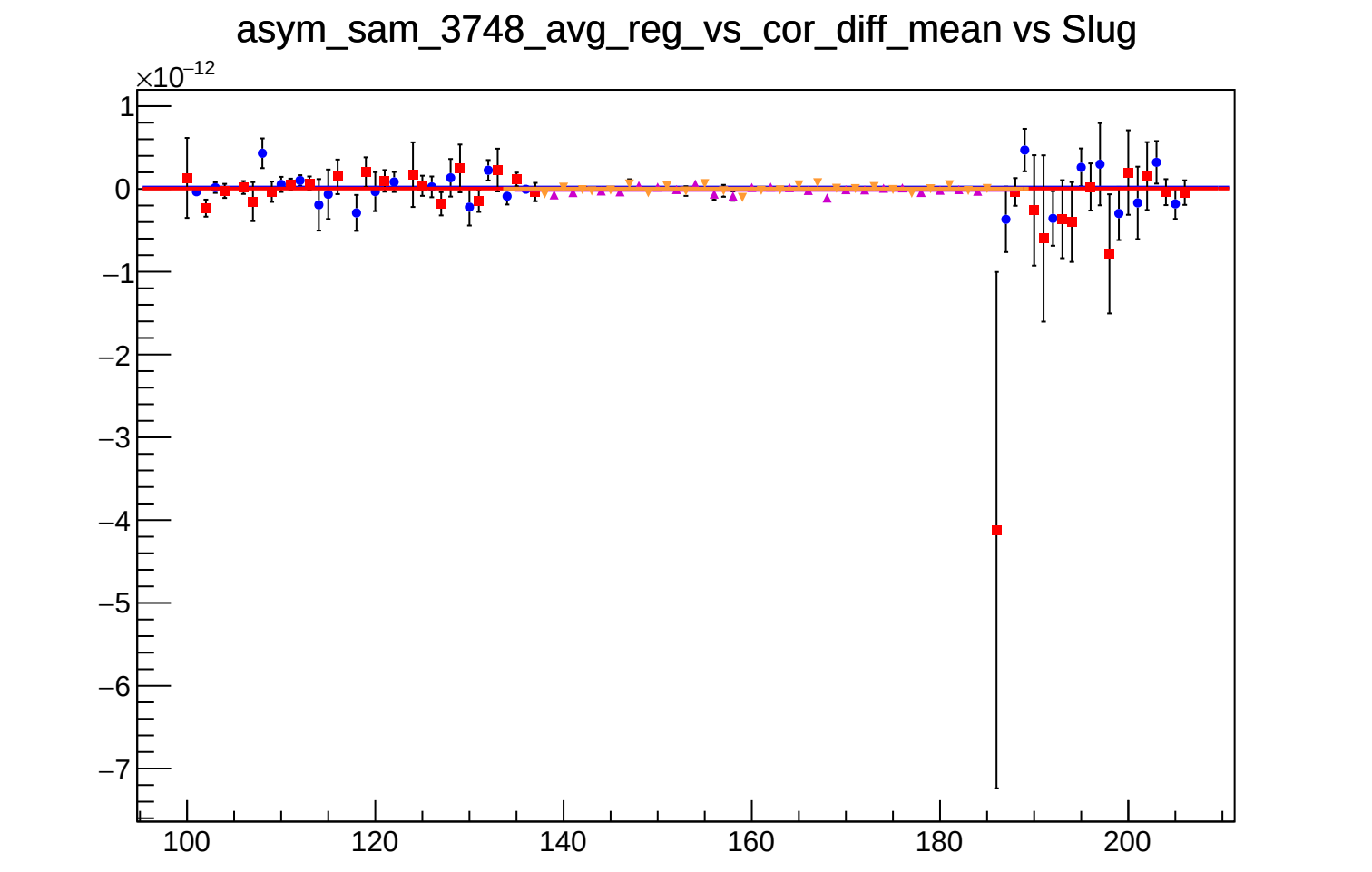
Right Out: 1312.055+/-0.255 χ^2/NDF: 6174591.9/30

Left In: 791.155+/-0.133 χ^2/NDF:1049107.7/22

+ sign 889.830+/-0.117 χ^2/NDF: 8481469.2/49

All: 896.123+/-0.083 χ^2/NDF: 18992471.3/10

- sign 902.524+/-0.118 χ^2/NDF: 10505155.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 27.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:34.0/24

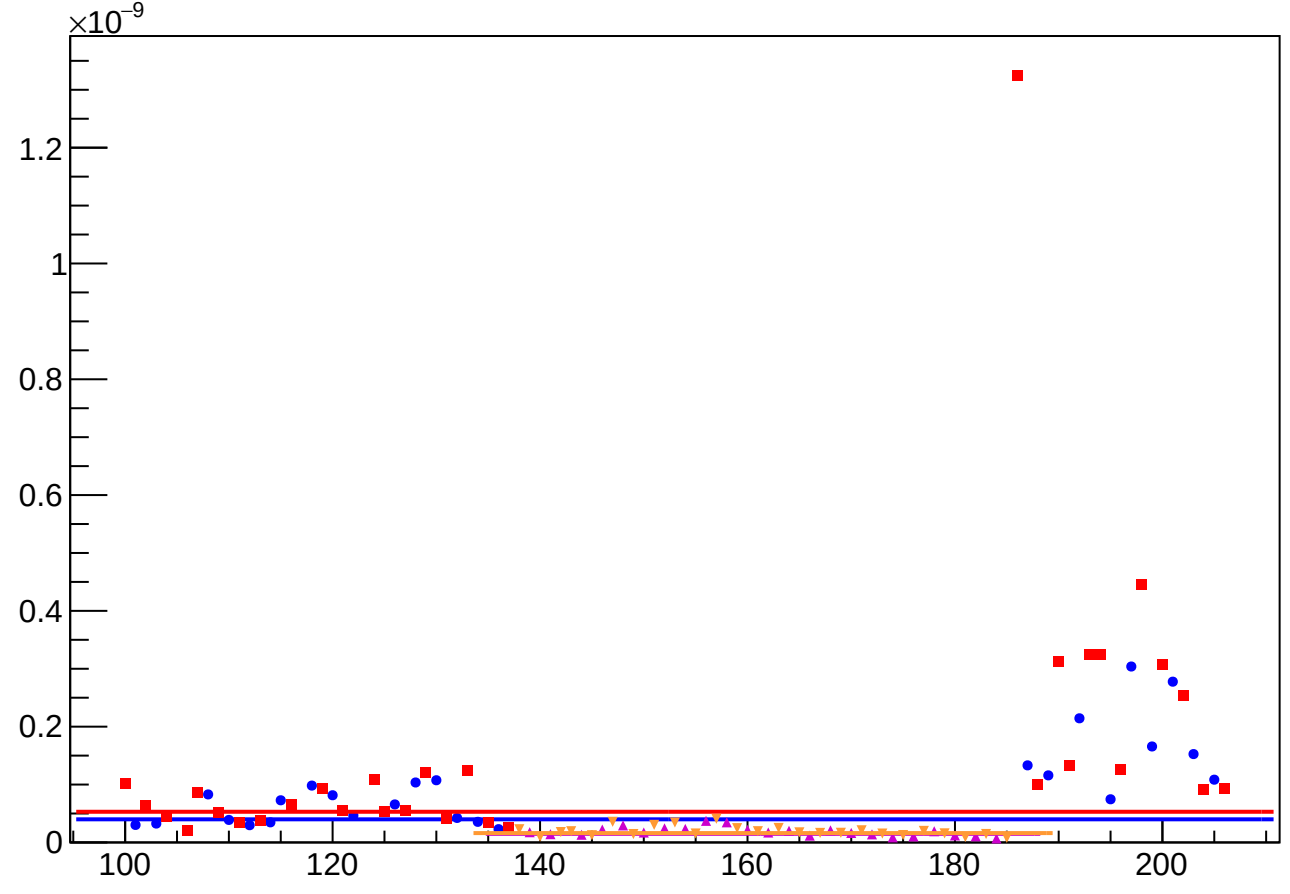
Right Out: 0.000+/-0.000 χ^2/NDF: 21.2/30

Left In: -0.000+/-0.000 χ^2/NDF:25.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 61.8/49

All: -0.000+/-0.000 χ^2/NDF: 111.9/103

- sign -0.000+/-0.000 χ^2/NDF: 46.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 4335760.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1725685.8/24

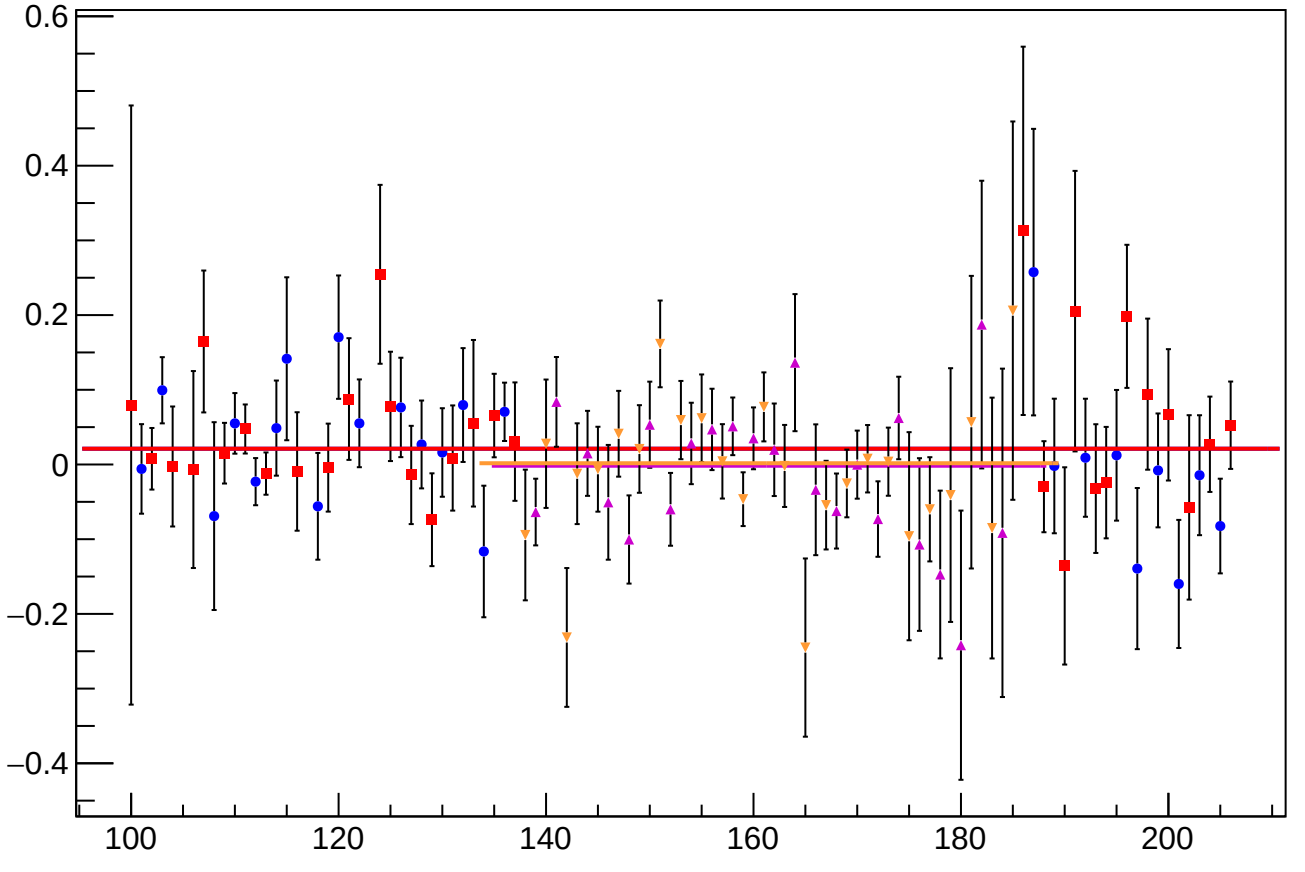
Right Out: 0.000+/-0.000 χ^2/NDF: 5370494.6/30

Left In: 0.000+/-0.000 χ^2/NDF:1661952.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 8352059.9/49

All: 0.000+/-0.000 χ^2/NDF: 19631632.8/103

- sign 0.000+/-0.000 χ^2/NDF: 11249181.6/53



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

Right Out: 0.021+/-0.012 χ^2/NDF: 23.5/30

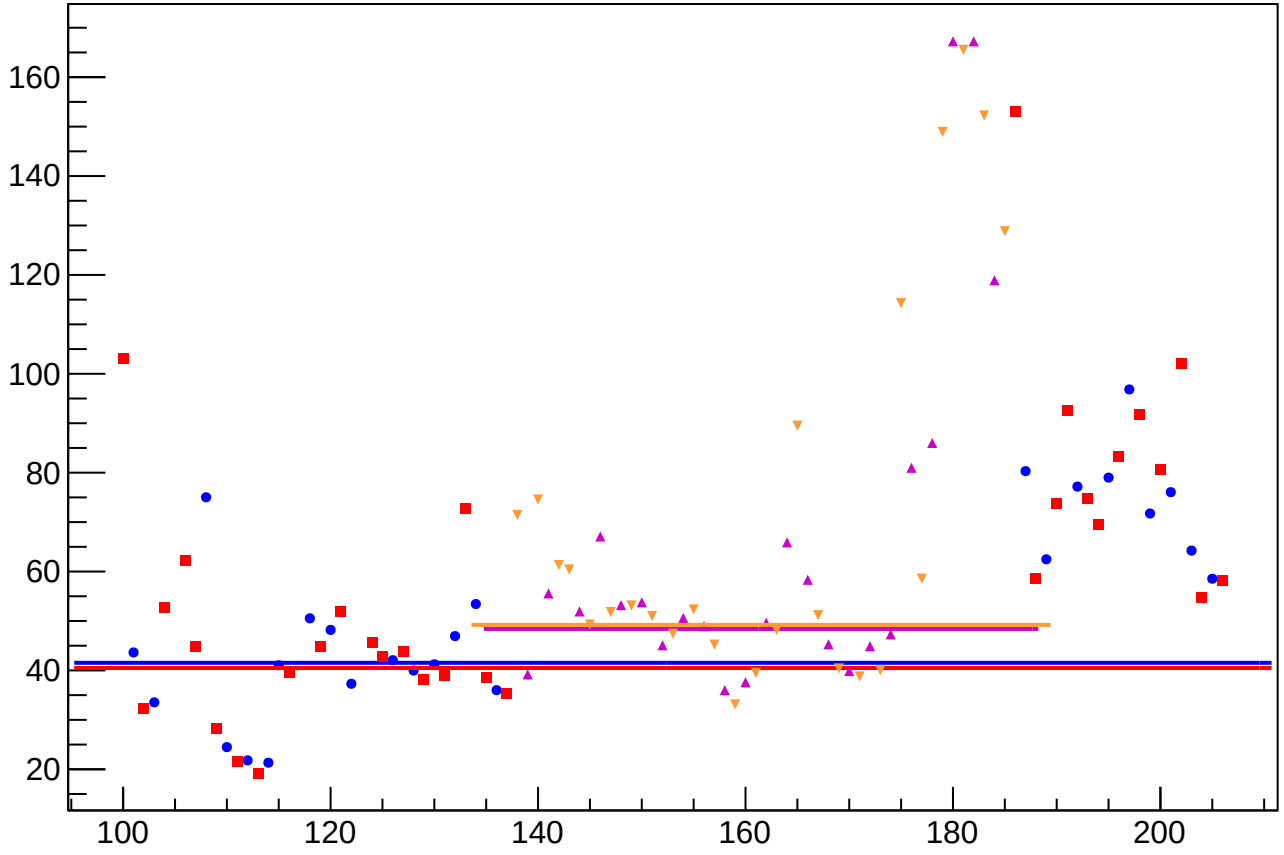
Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.011+/-0.009 χ^2/NDF: 60.9/49

All: 0.011+/-0.006 χ^2/NDF: 112.3/103

- sign 0.010+/-0.008 χ^2/NDF: 51.4/53

asym_sam_3748_avg_dit_vs_cor_diff_rms vs Slug



Right In: 41.539+/-0.009 χ^2/NDF: 4121025.1/24

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

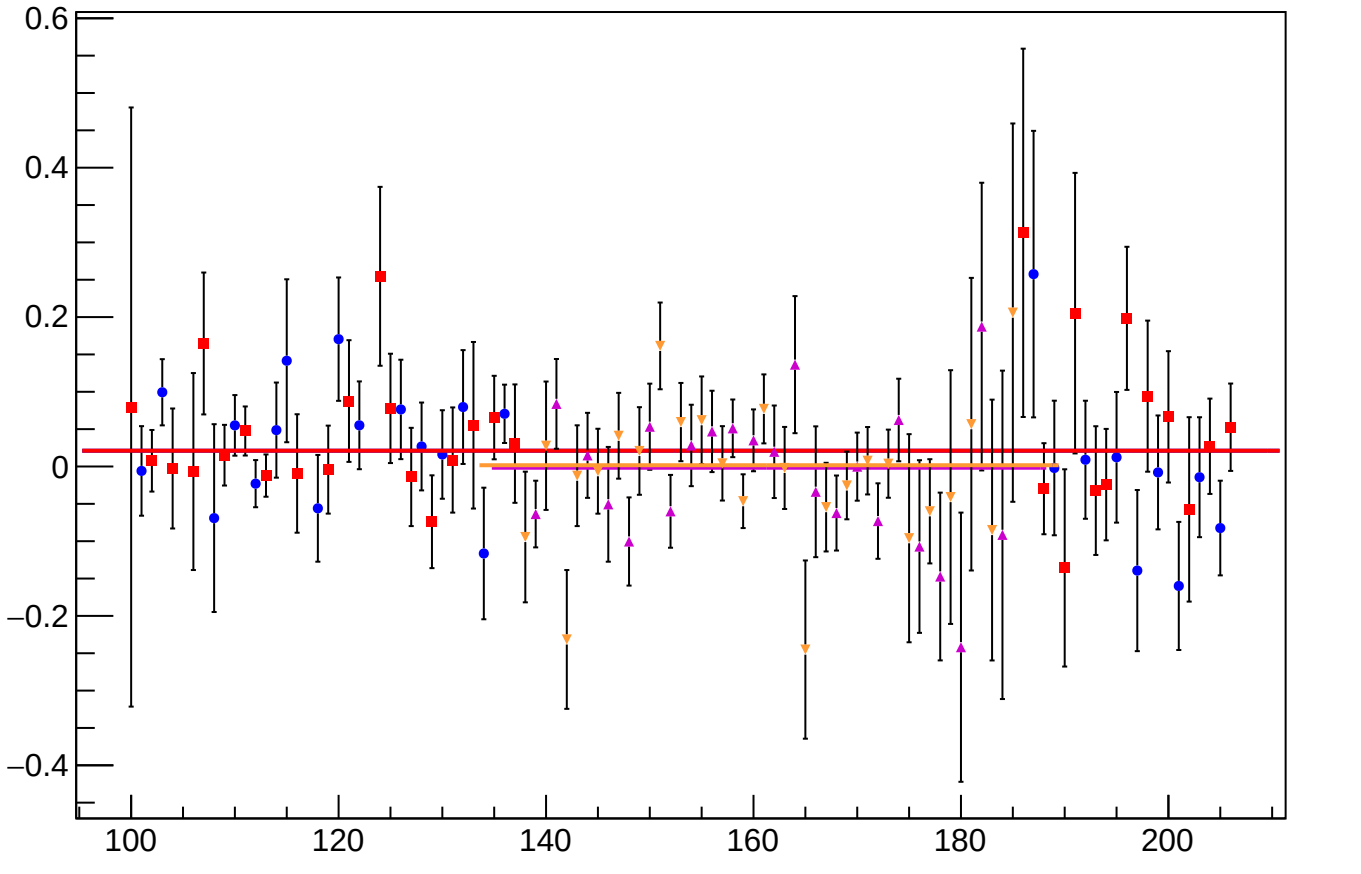
Right Out: 40.486+/-0.008 χ^2/NDF: 6066873.2/30

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 45.434+/-0.006 χ^2/NDF: 8676737.4/49

All: 44.788+/-0.004 χ^2/NDF: 18232568.7/103

- sign 44.185+/-0.006 χ^2/NDF: 9534813.3/53



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

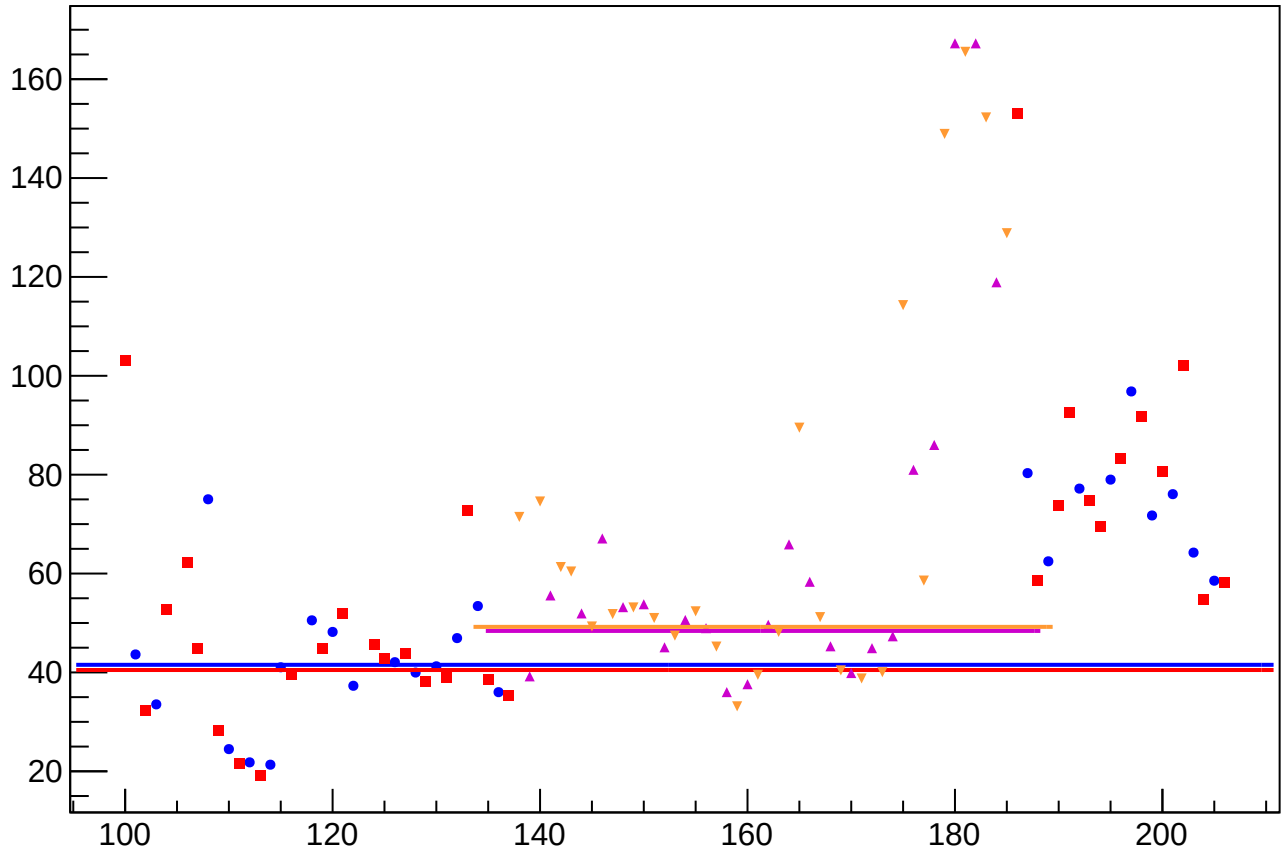
Right Out: 0.021+/-0.012 χ^2/NDF: 23.5/30

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.011+/-0.009 χ^2/NDF: 60.9/49

All: 0.011+/-0.006 χ^2/NDF: 112.3/103

- sign 0.010+/-0.008 χ^2/NDF: 51.4/53



Right In: 41.539+/-0.009 χ^2/NDF: 4121025.1/24

Left Out: 49.216+/-0.009 χ^2/NDF:4171670.0/24

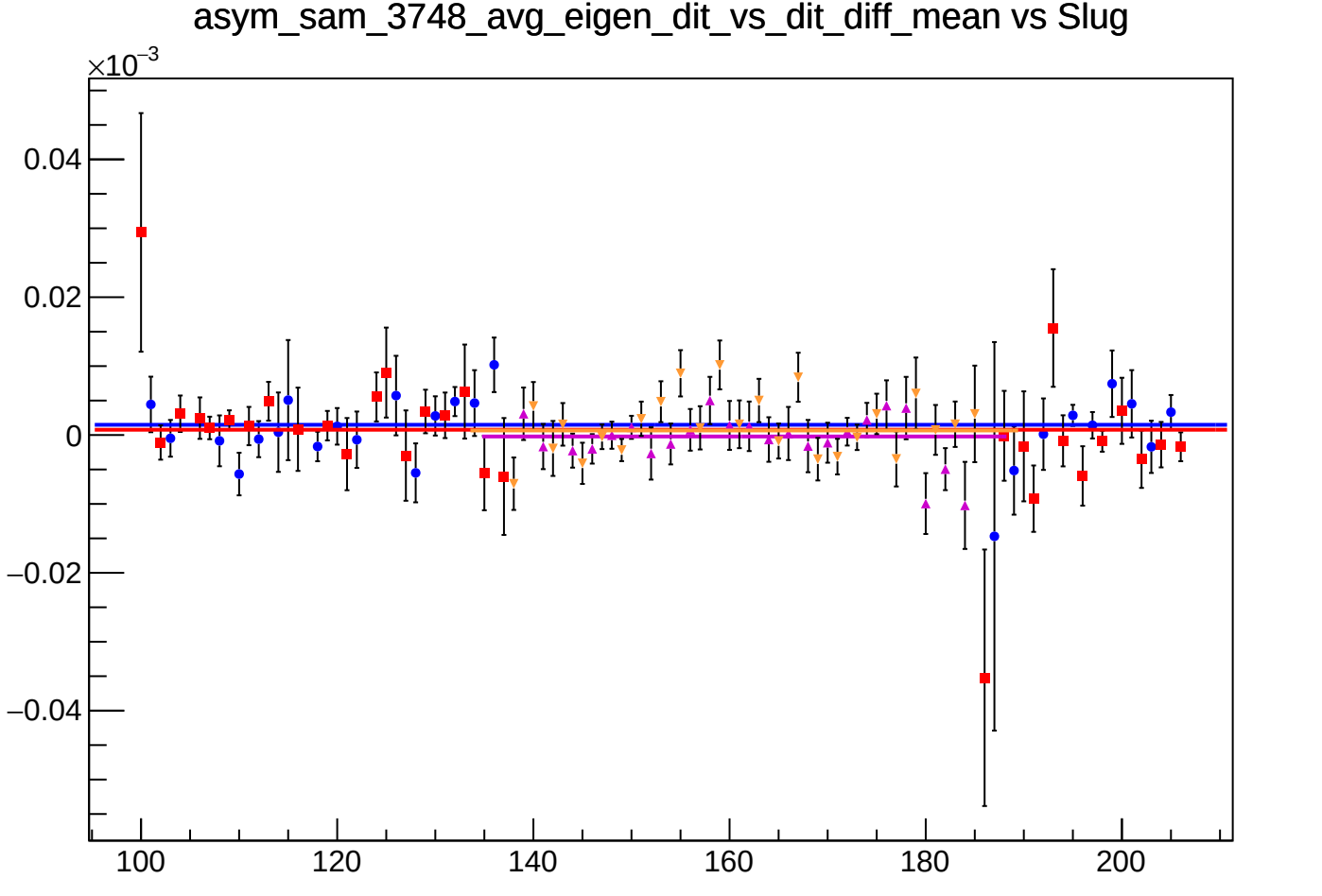
Right Out: 40.486+/-0.008 χ^2/NDF: 6066873.2/30

Left In: 48.392+/-0.009 χ^2/NDF:3033240.8/22

+ sign 45.434+/-0.006 χ^2/NDF: 8676737.4/49

All: 44.788+/-0.004 χ^2/NDF: 18232568.7/103

- sign 44.185+/-0.006 χ^2/NDF: 9534813.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 26.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:41.7/24

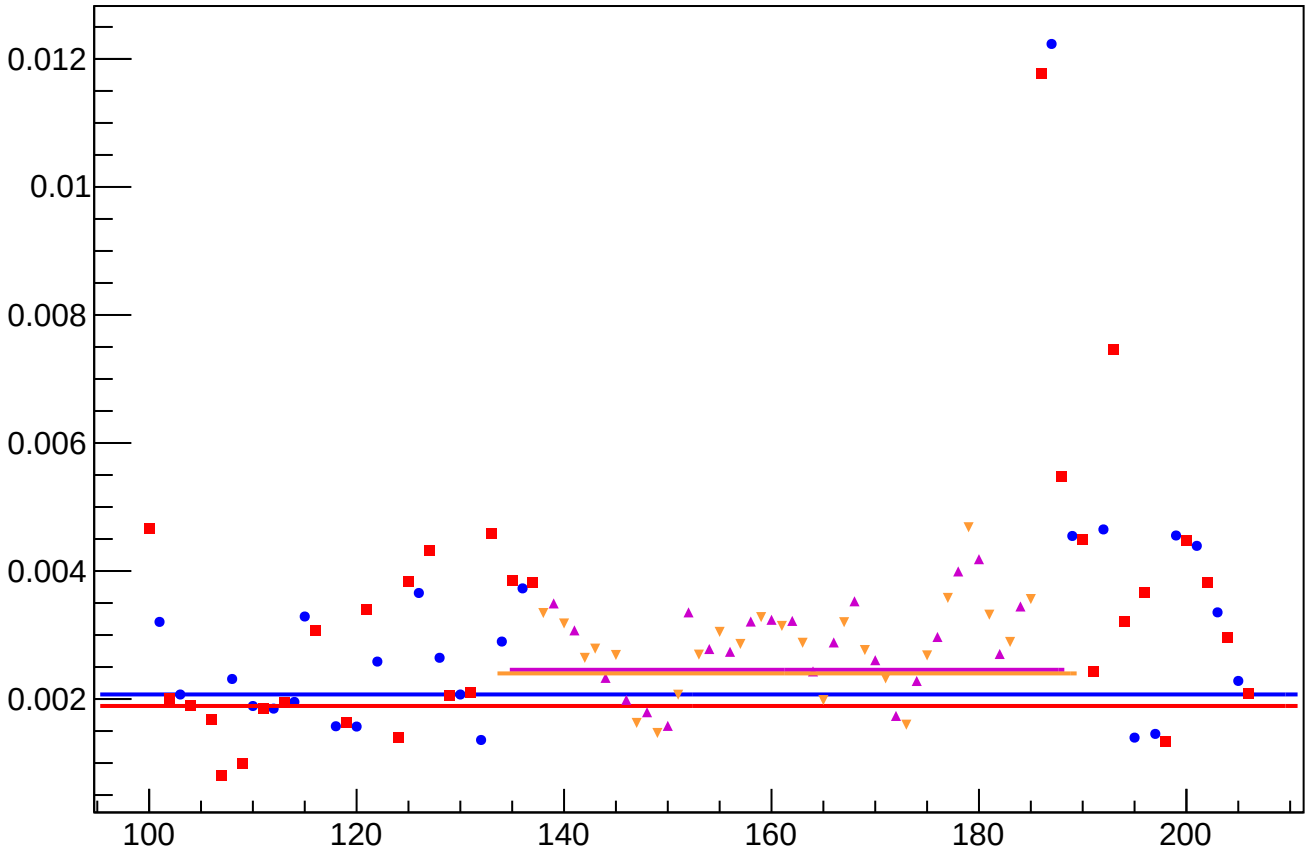
Right Out: 0.000+/-0.000 χ^2/NDF: 33.8/30

Left In: -0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 69.4/49

All: 0.000+/-0.000 χ^2/NDF: 125.9/103

- sign 0.000+/-0.000 χ^2/NDF: 55.0/53



Right In: 0.002+/-0.000 χ^2/NDF: 4136253.0/24

Left Out: 0.002+/-0.000 χ^2/NDF:3123870.1/24

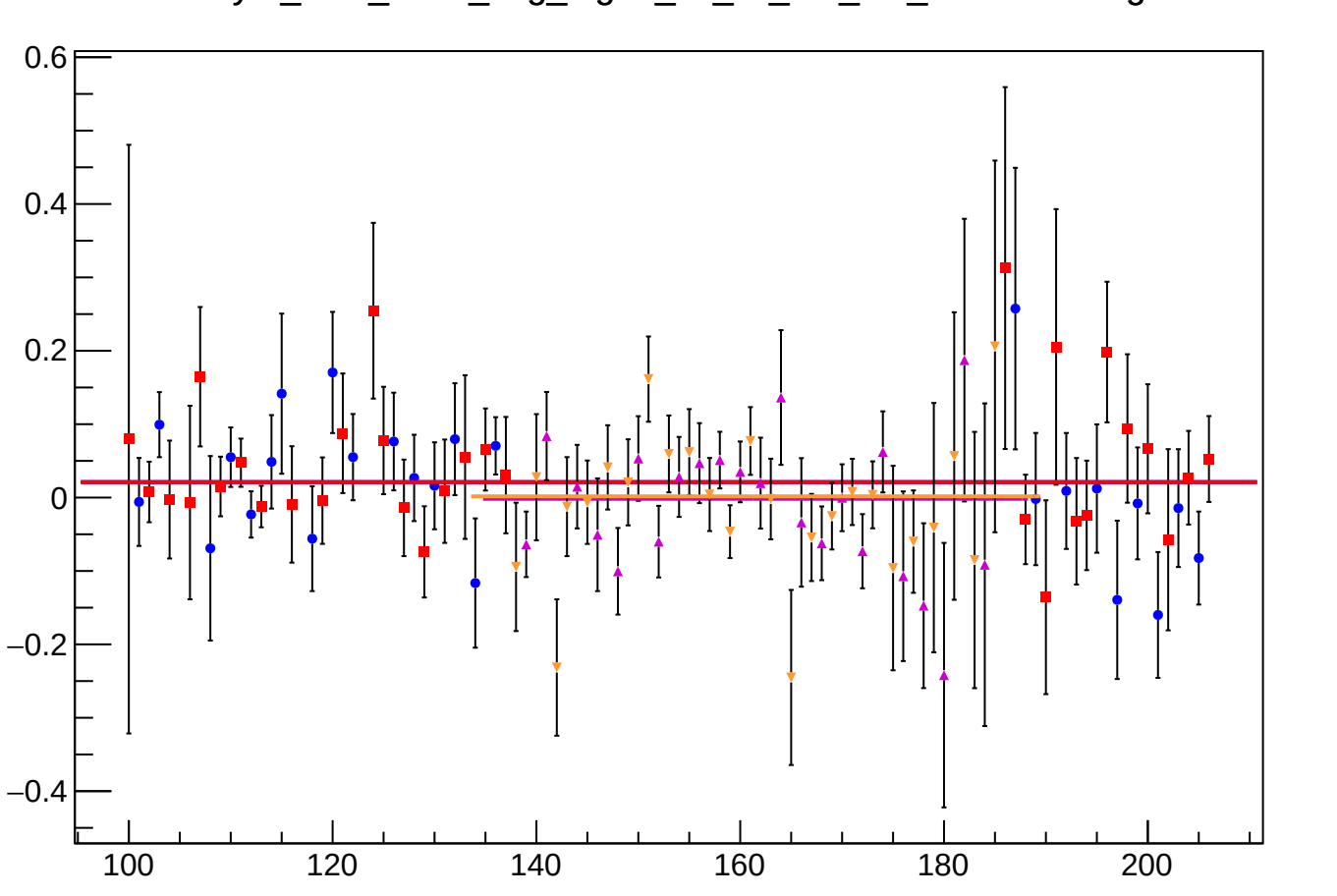
Right Out: 0.002+/-0.000 χ^2/NDF: 7579403.8/30

Left In: 0.002+/-0.000 χ^2/NDF:2629718.7/22

+ sign 0.002+/-0.000 χ^2/NDF: 7563296.9/49

All: 0.002+/-0.000 χ^2/NDF: 18791896.8/103

- sign 0.002+/-0.000 χ^2/NDF: 11170588.4/53



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

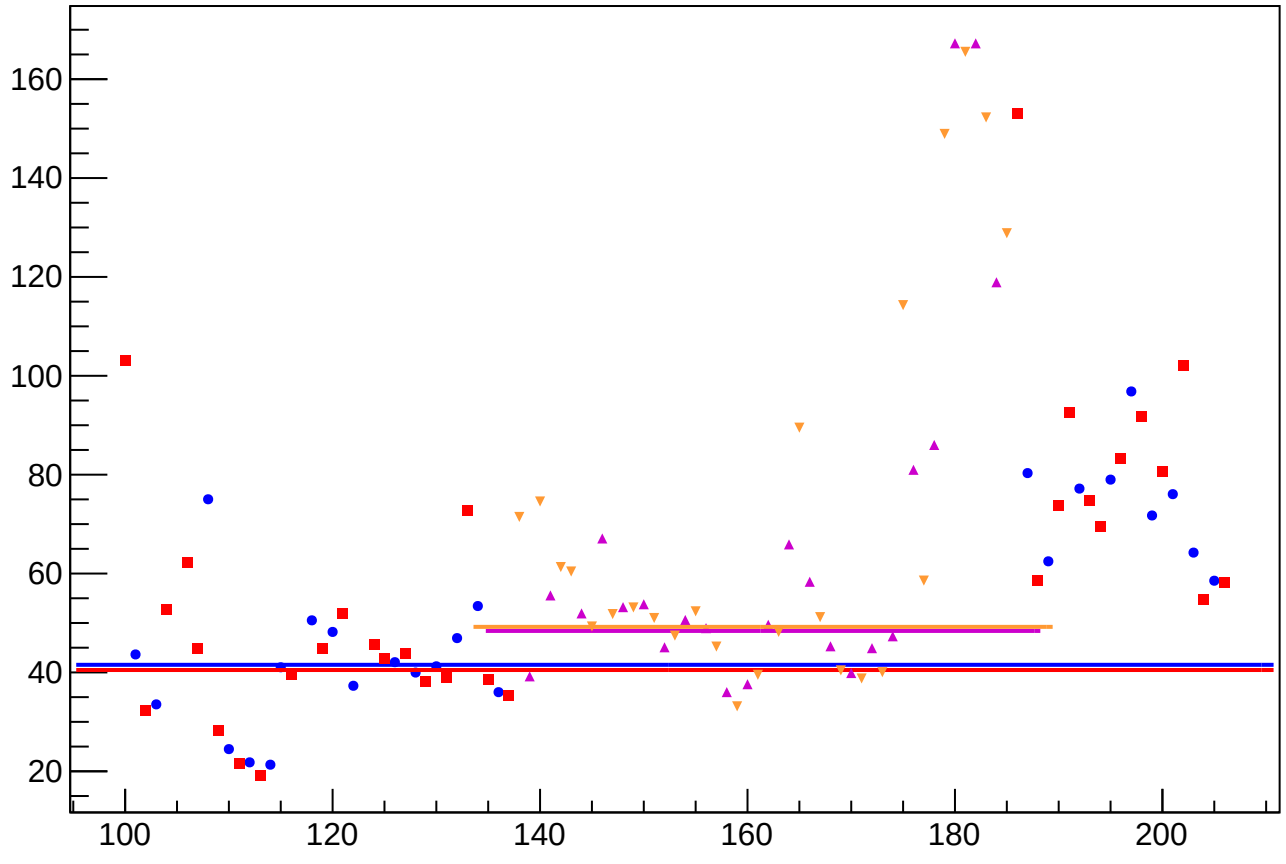
Right Out: 0.021+/-0.012 χ^2/NDF: 23.5/30

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.011+/-0.009 χ^2/NDF: 60.9/49

All: 0.011+/-0.006 χ^2/NDF: 112.3/103

- sign 0.010+/-0.008 χ^2/NDF: 51.4/53



Right In: 41.539+/-0.009 χ^2/NDF: 4120908.8/24

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

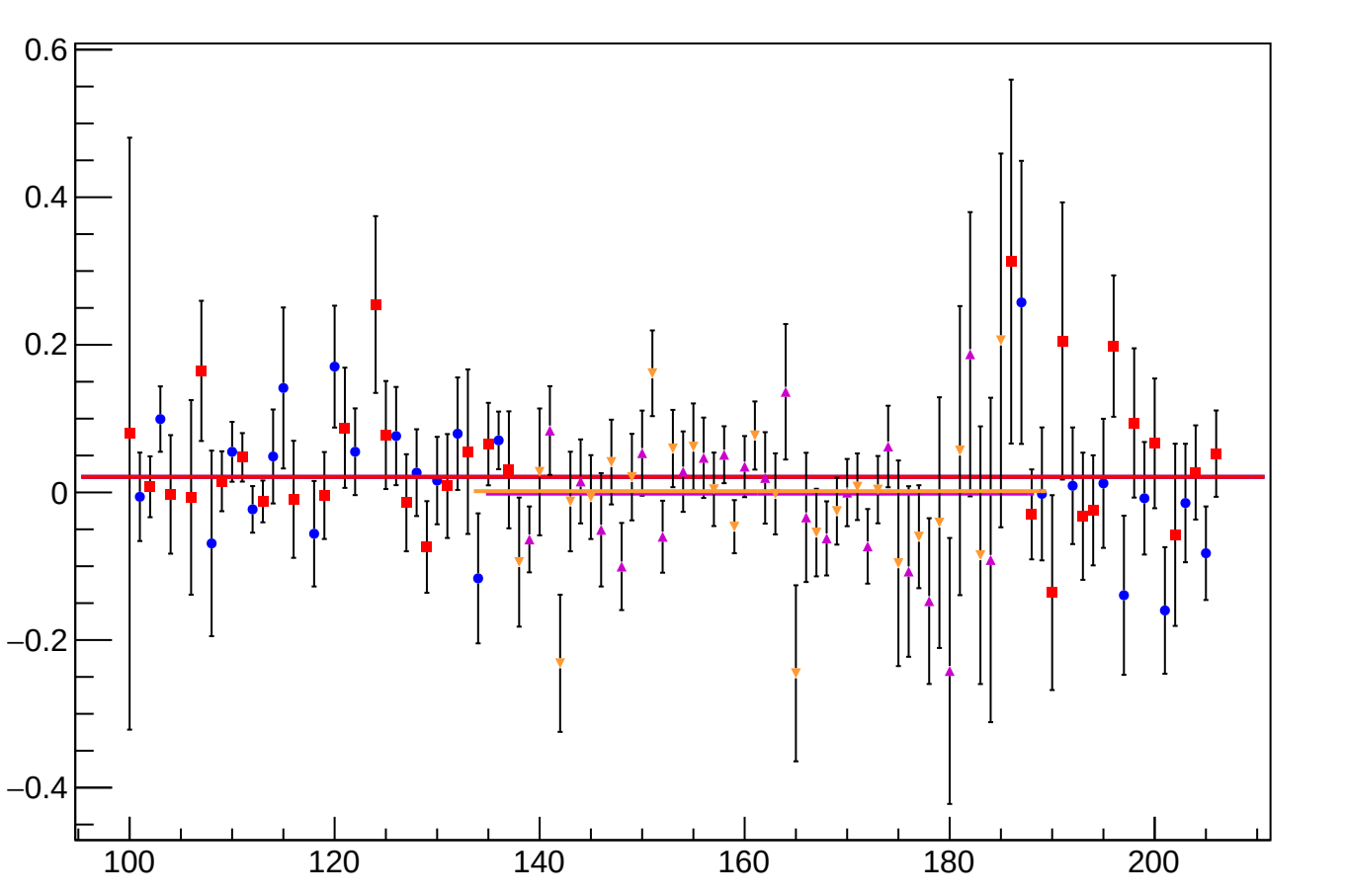
Right Out: 40.487+/-0.008 χ^2/NDF: 6066814.2/30

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 45.434+/-0.006 χ^2/NDF: 8676606.4/49

All: 44.789+/-0.004 χ^2/NDF: 18232344.9/103

- sign 44.186+/-0.006 χ^2/NDF: 9534722.5/53



Right In: 0.021+/-0.012 χ^2/NDF: 29.3/24

Left Out: 0.002+/-0.012 χ^2/NDF:30.4/24

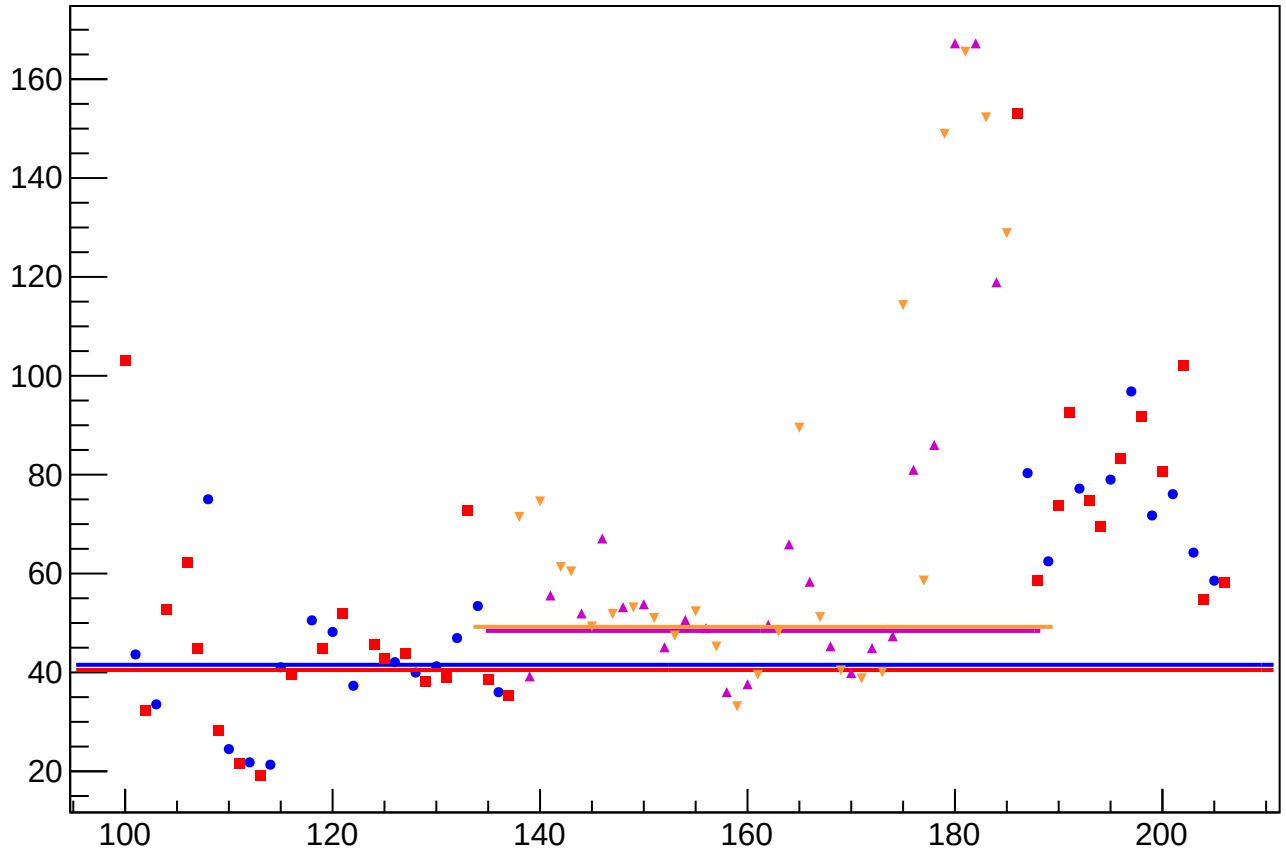
Right Out: 0.021+/-0.012 χ^2/NDF: 23.5/30

Left In: -0.002+/-0.012 χ^2/NDF:26.1/22

+ sign 0.011+/-0.009 χ^2/NDF: 60.9/49

All: 0.011+/-0.006 χ^2/NDF: 112.3/103

- sign 0.010+/-0.008 χ^2/NDF: 51.4/53



Right In: 41.539+/-0.009 χ^2/NDF: 4120908.8/24

Left Out: 49.217+/-0.009 χ^2/NDF:4171640.8/24

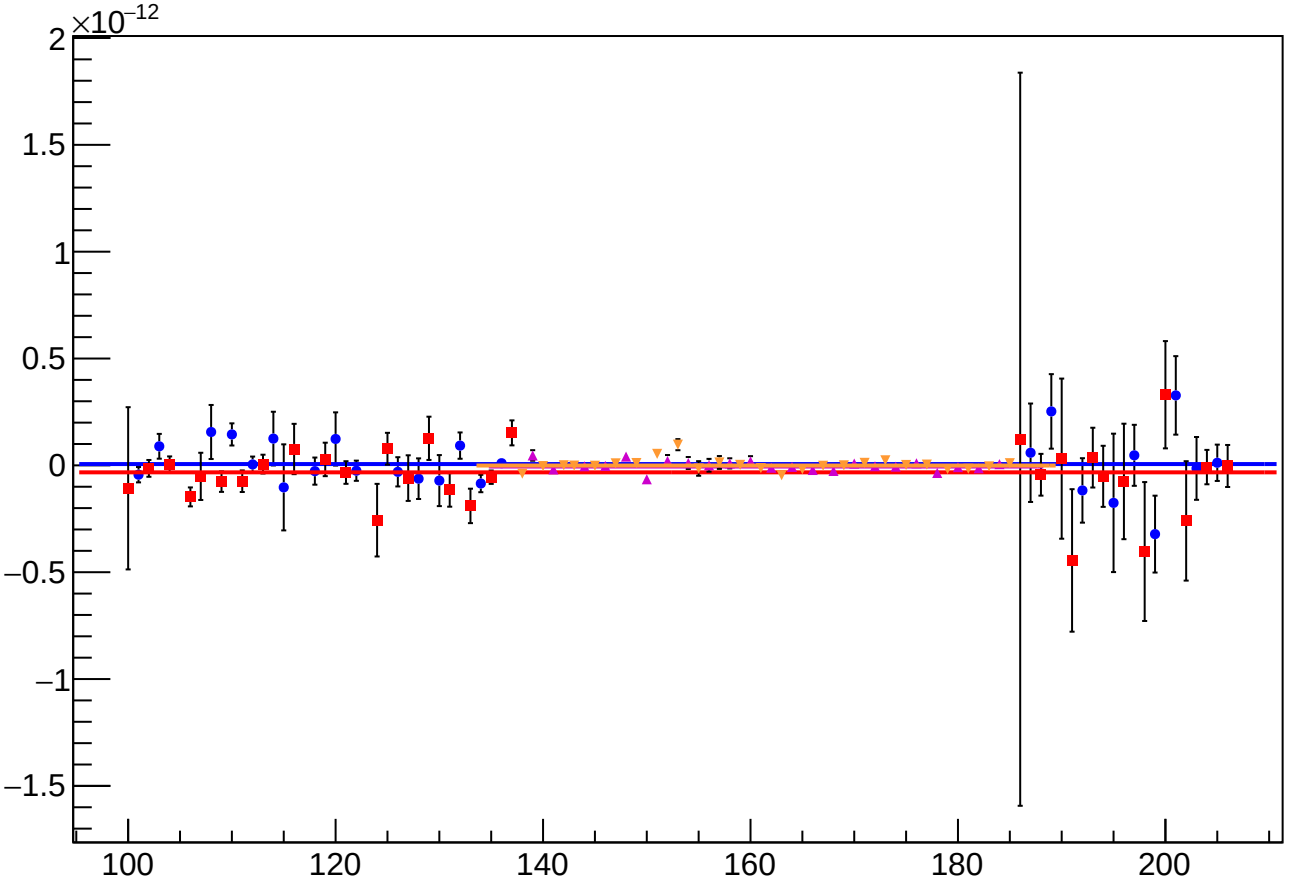
Right Out: 40.487+/-0.008 χ^2/NDF: 6066814.2/30

Left In: 48.393+/-0.009 χ^2/NDF:3033208.4/22

+ sign 45.434+/-0.006 χ^2/NDF: 8676606.4/49

All: 44.789+/-0.004 χ^2/NDF: 18232344.9/103

- sign 44.186+/-0.006 χ^2/NDF: 9534722.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 33.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:37.0/24

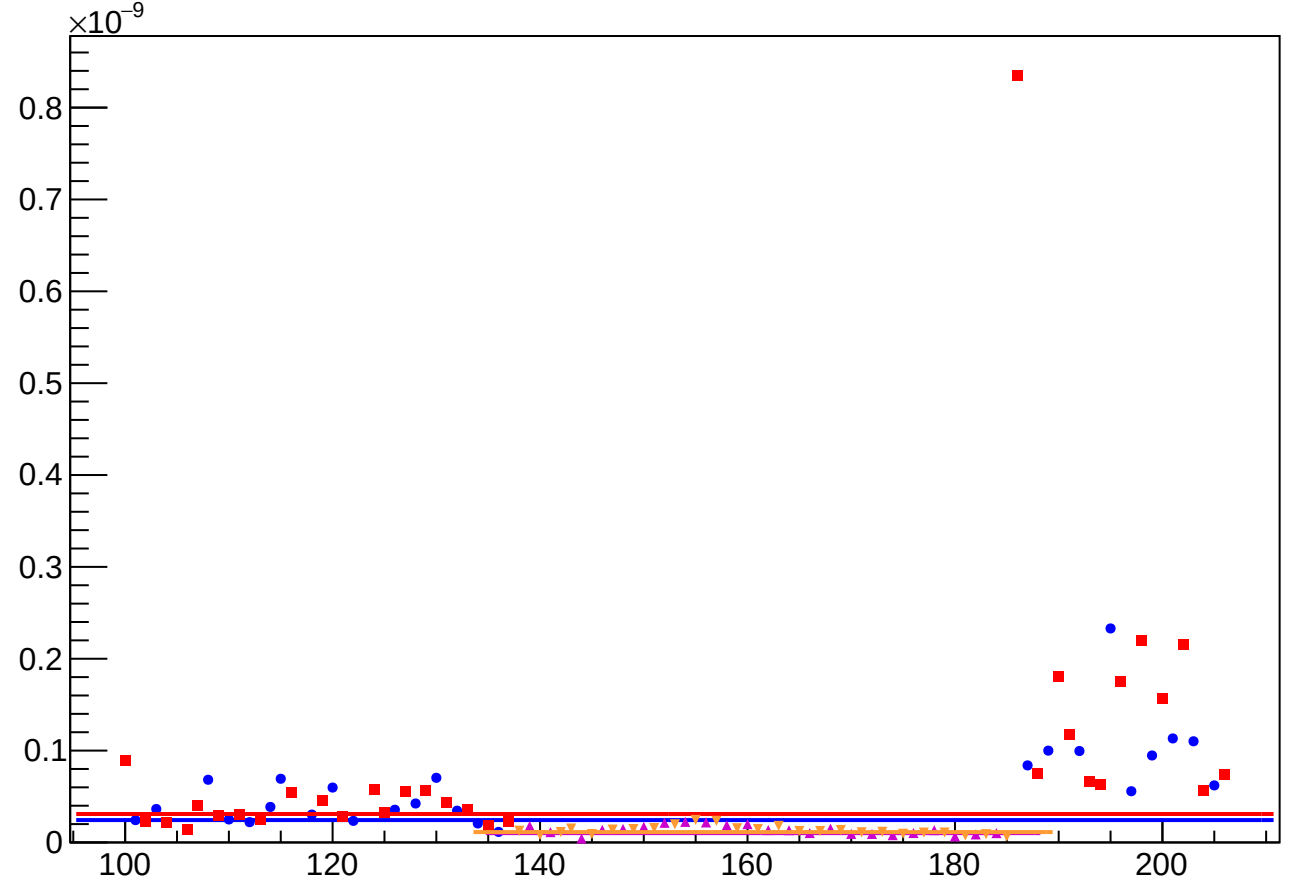
Right Out: -0.000+/-0.000 χ^2/NDF: 39.6/30

Left In: -0.000+/-0.000 χ^2/NDF:28.4/22

+ sign -0.000+/-0.000 χ^2/NDF: 70.4/49

All: -0.000+/-0.000 χ^2/NDF: 145.3/103

- sign -0.000+/-0.000 χ^2/NDF: 72.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 6019724.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2206266.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6186461.8/30

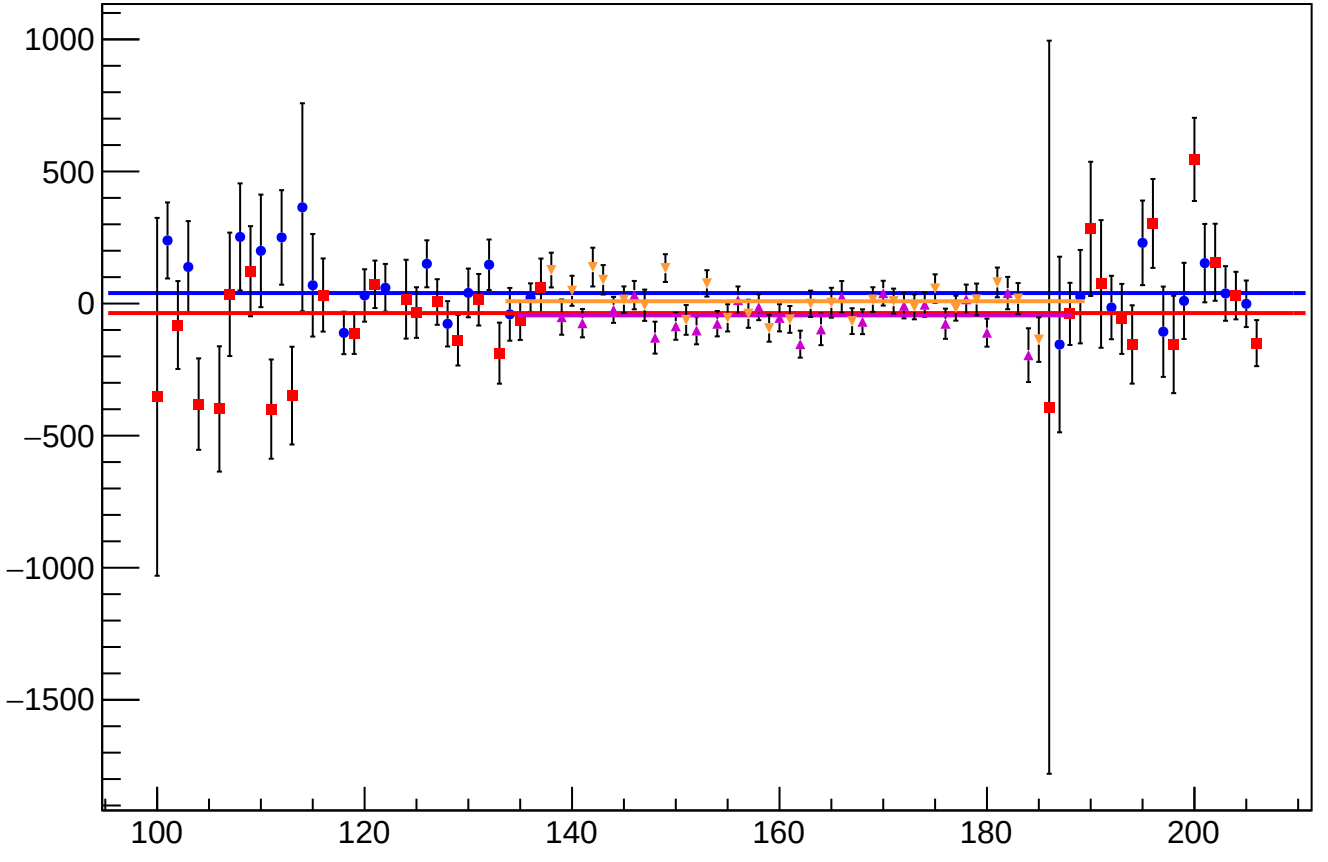
Left In: 0.000+/-0.000 χ^2/NDF:4024430.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10761692.8/49

All: 0.000+/-0.000 χ^2/NDF: 26282925.1/103

- sign 0.000+/-0.000 χ^2/NDF: 15433857.0/53

reg_asym_sam_1526_avg_mean vs Slug



Right In: 39.767+/-22.339 χ^2/NDF: 18.5/24

Left Out: 8.756+/-10.770 χ^2/NDF:34.6/24

Right Out: -36.006+/-22.374 χ^2/NDF: 45.9/30

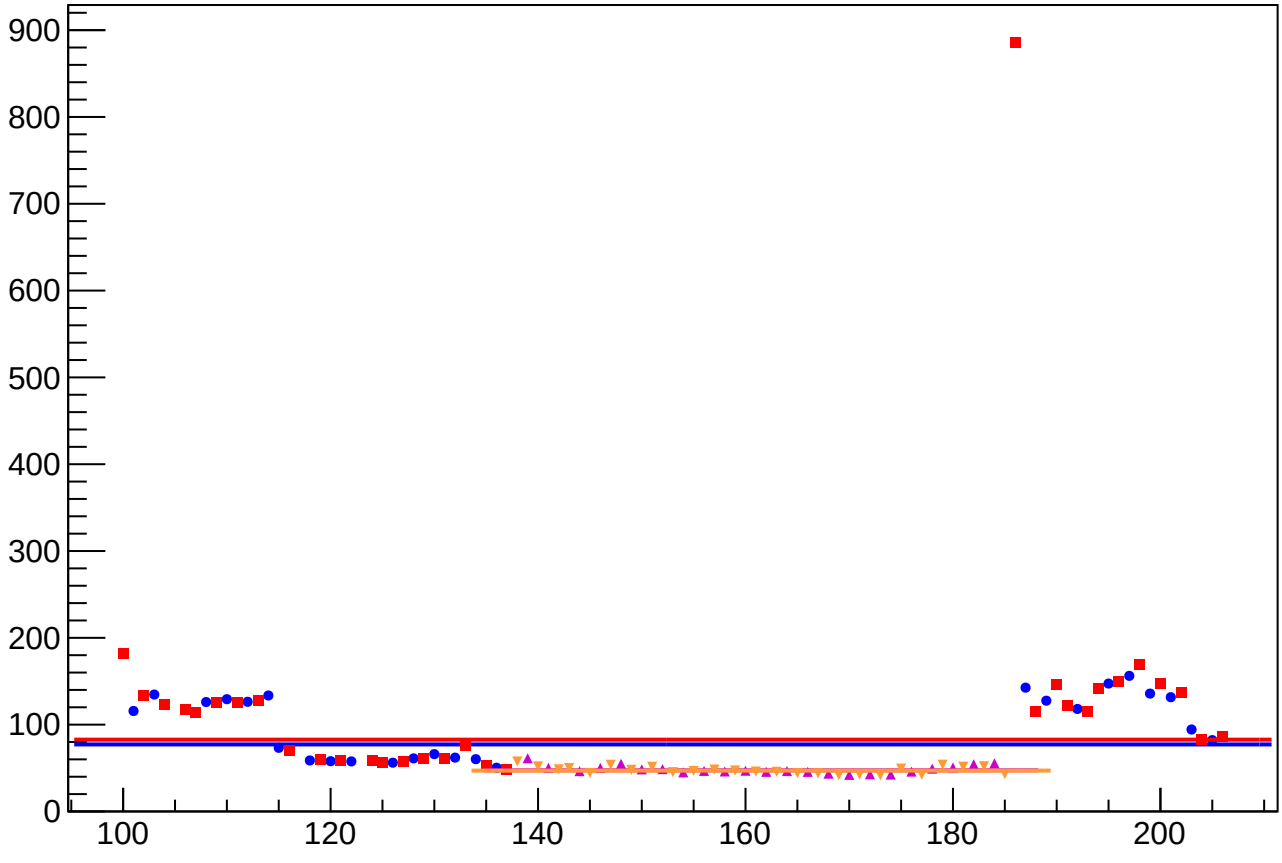
Left In: -44.541+/-11.149 χ^2/NDF:27.0/22

+ sign 14.604+/-9.701 χ^2/NDF: 54.7/49

All: -13.310+/-6.956 χ^2/NDF: 144.7/103

- sign -42.844+/-9.978 χ^2/NDF: 73.0/53

reg_asym_sam_1526_avg_rms vs Slug



Right In: 77.191+/-0.016 χ^2/NDF: 3822267.6/24

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

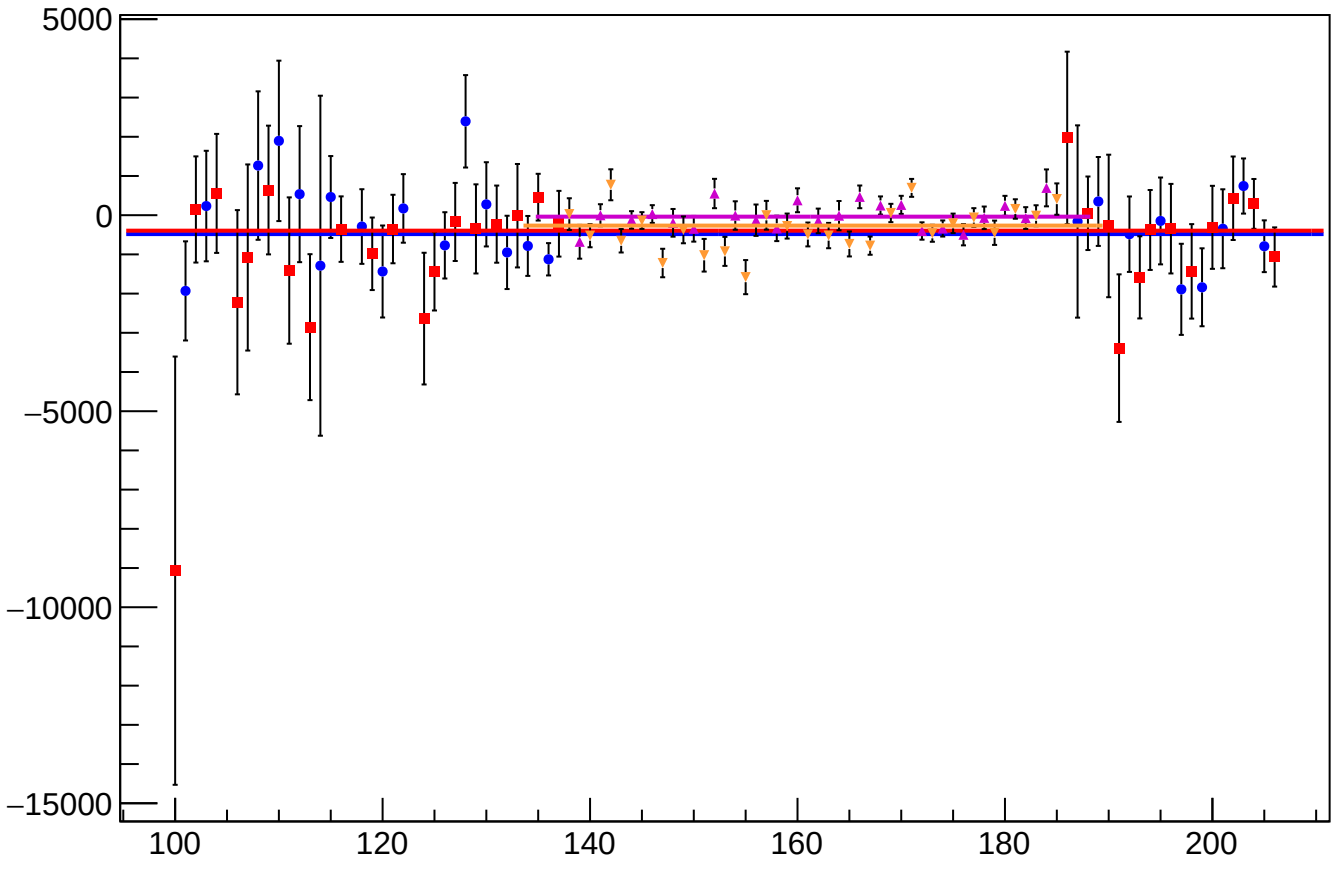
Right Out: 82.715+/-0.016 χ^2/NDF: 4986987.2/30

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 52.746+/-0.007 χ^2/NDF: 7061551.9/49

All: 53.555+/-0.005 χ^2/NDF: 16343740.4/103

- sign 54.411+/-0.007 χ^2/NDF: 9253541.4/53



Right In: -482.253+/-189.985 χ^2/NDF: 22.9/24

Left Out: -265.684+/-58.031 χ^2/NDF:69.8/24

Right Out: -394.821+/-194.359 χ^2/NDF: 20.2/30

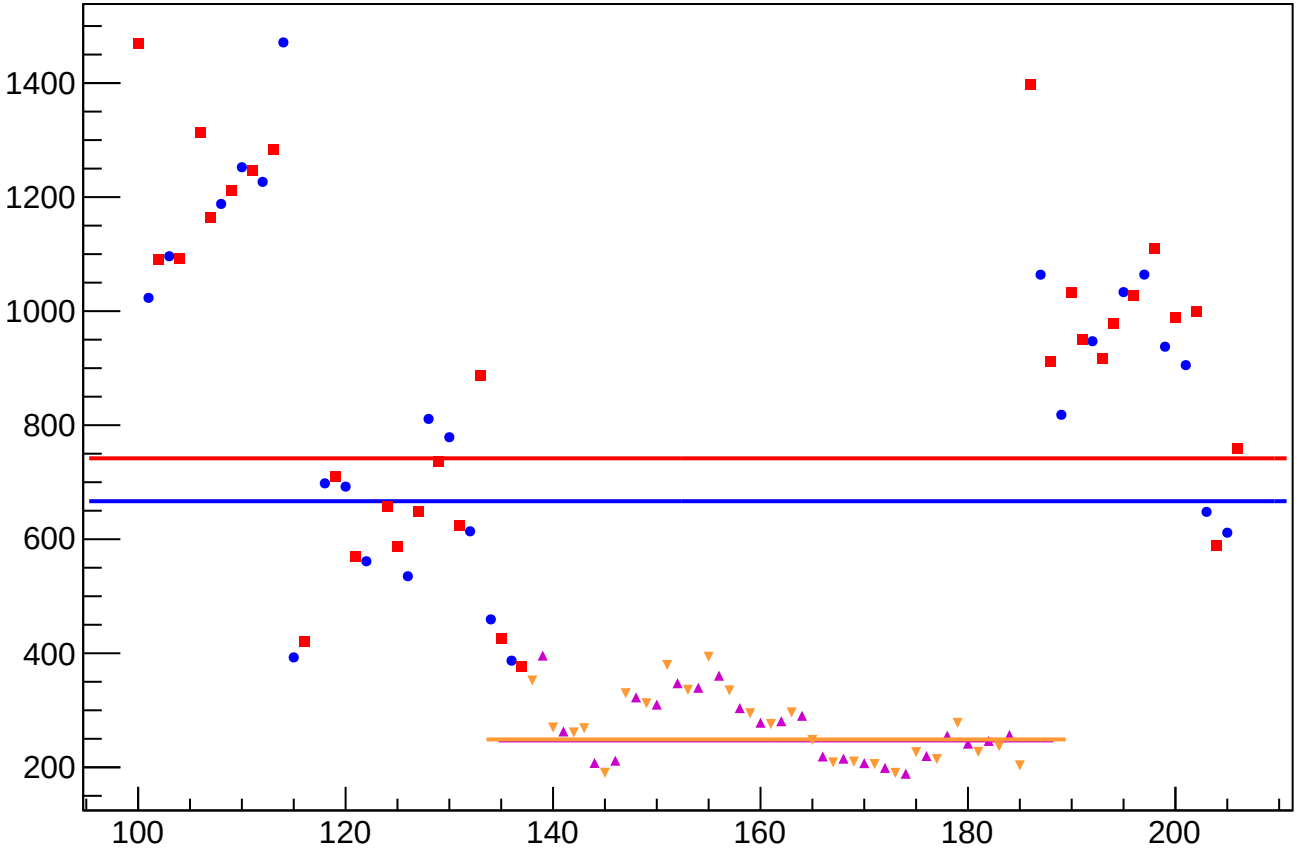
Left In: -37.530+/-59.159 χ^2/NDF:26.6/22

+ sign -284.165+/-55.500 χ^2/NDF: 93.9/49

All: -178.110+/-39.626 χ^2/NDF: 151.3/103

- sign -67.825+/-56.596 χ^2/NDF: 49.9/53

asym_sam_1526_avg_reg_correction_rms vs Slug



Right In: 666.678+/-0.134 χ^2/NDF: 3269171.4/24

Left Out: 248.891+/-0.041 χ^2/NDF:1663709.5/24

Right Out: 741.887+/-0.137 χ^2/NDF: 3512791.1/30

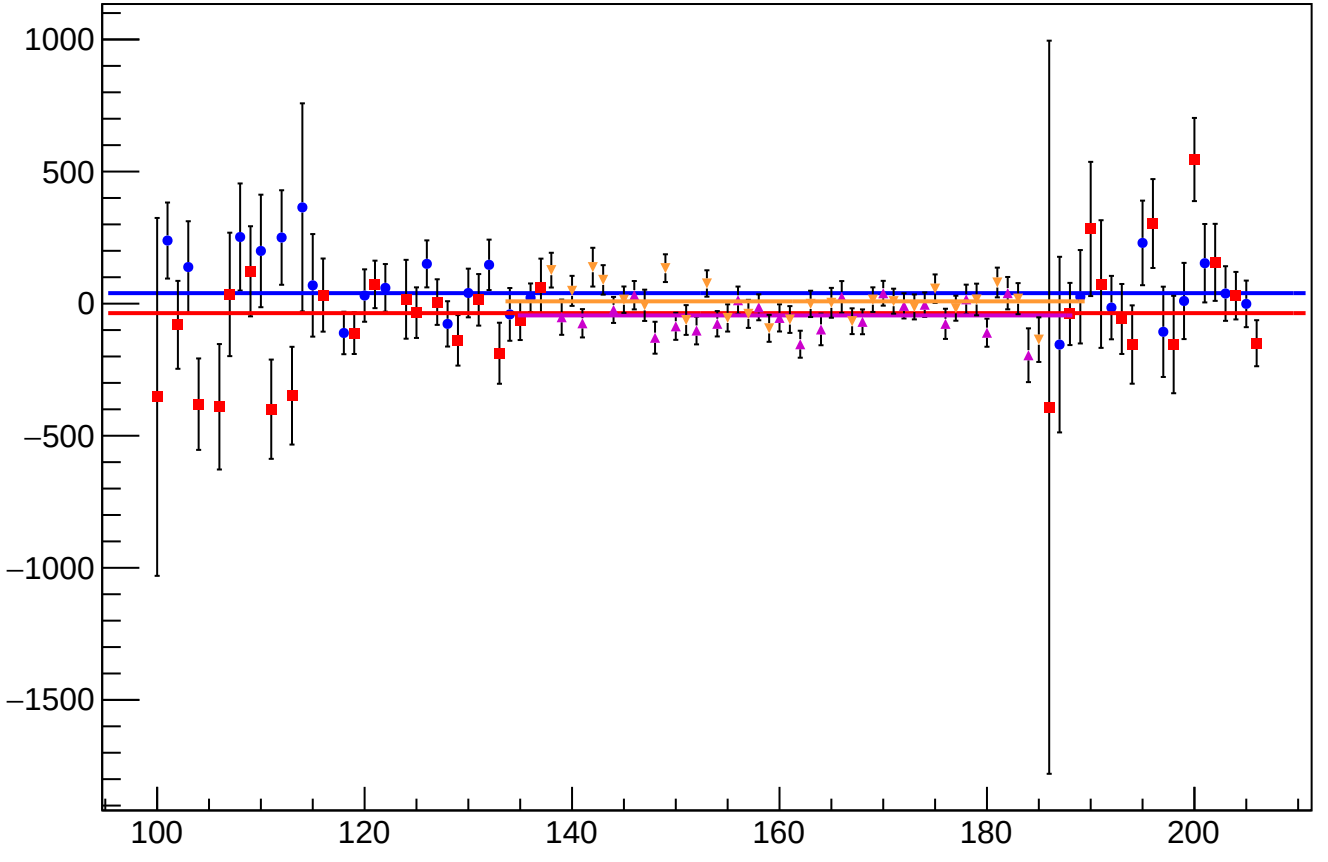
Left In: 247.109+/-0.042 χ^2/NDF:1484450.6/22

+ sign 284.544+/-0.039 χ^2/NDF: 13779156.8/49

All: 286.759+/-0.028 χ^2/NDF: 30644974.1/10

- sign 289.063+/-0.040 χ^2/NDF: 16859318.4/53

cor_asym_sam_1526_avg_mean vs Slug



Right In: 39.759+/-22.339 χ^2/NDF: 18.5/24

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -35.904+/-22.374 χ^2/NDF: 45.8/30

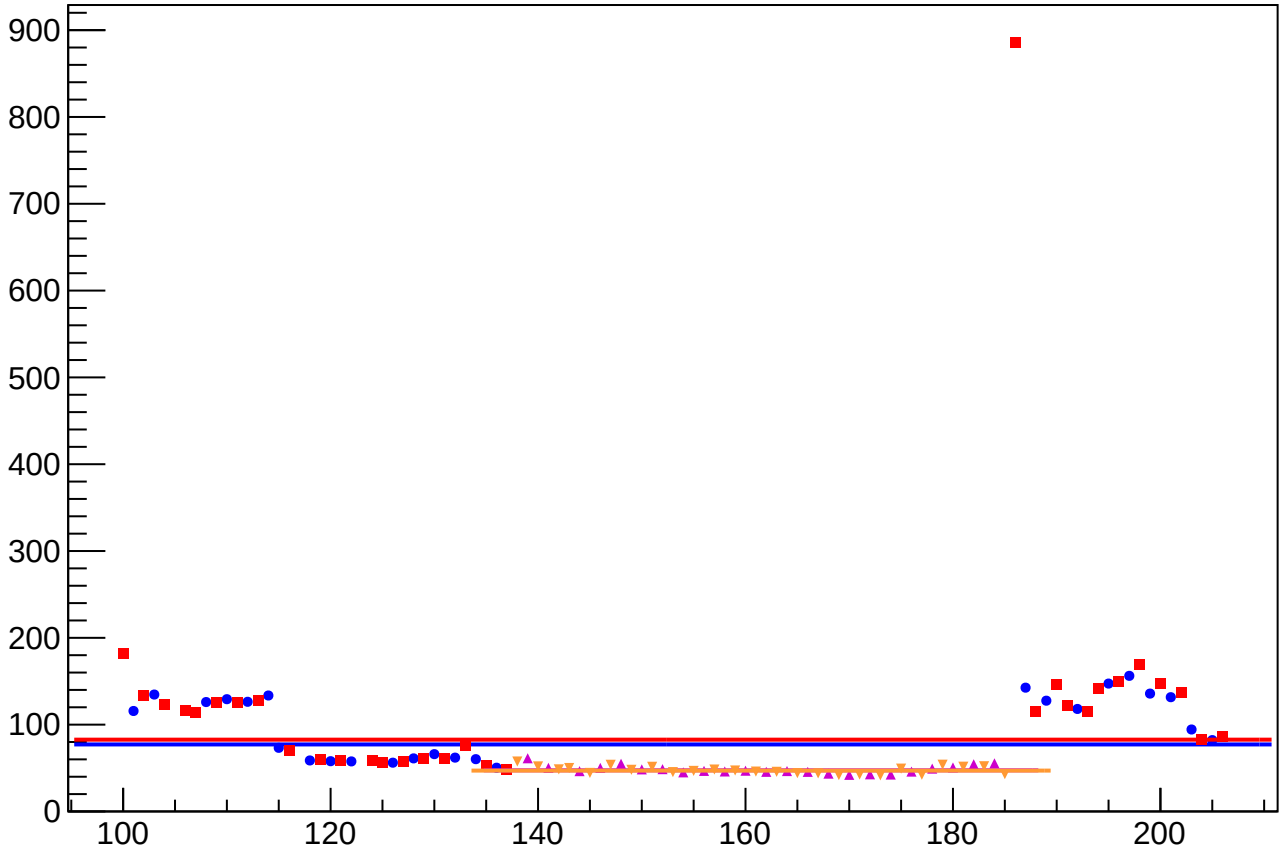
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 14.604+/-9.701 χ^2/NDF: 54.7/49

All: -13.300+/-6.956 χ^2/NDF: 144.6/103

- sign -42.822+/-9.978 χ^2/NDF: 72.9/53

cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.191+/-0.016 χ^2/NDF: 3822269.9/24

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

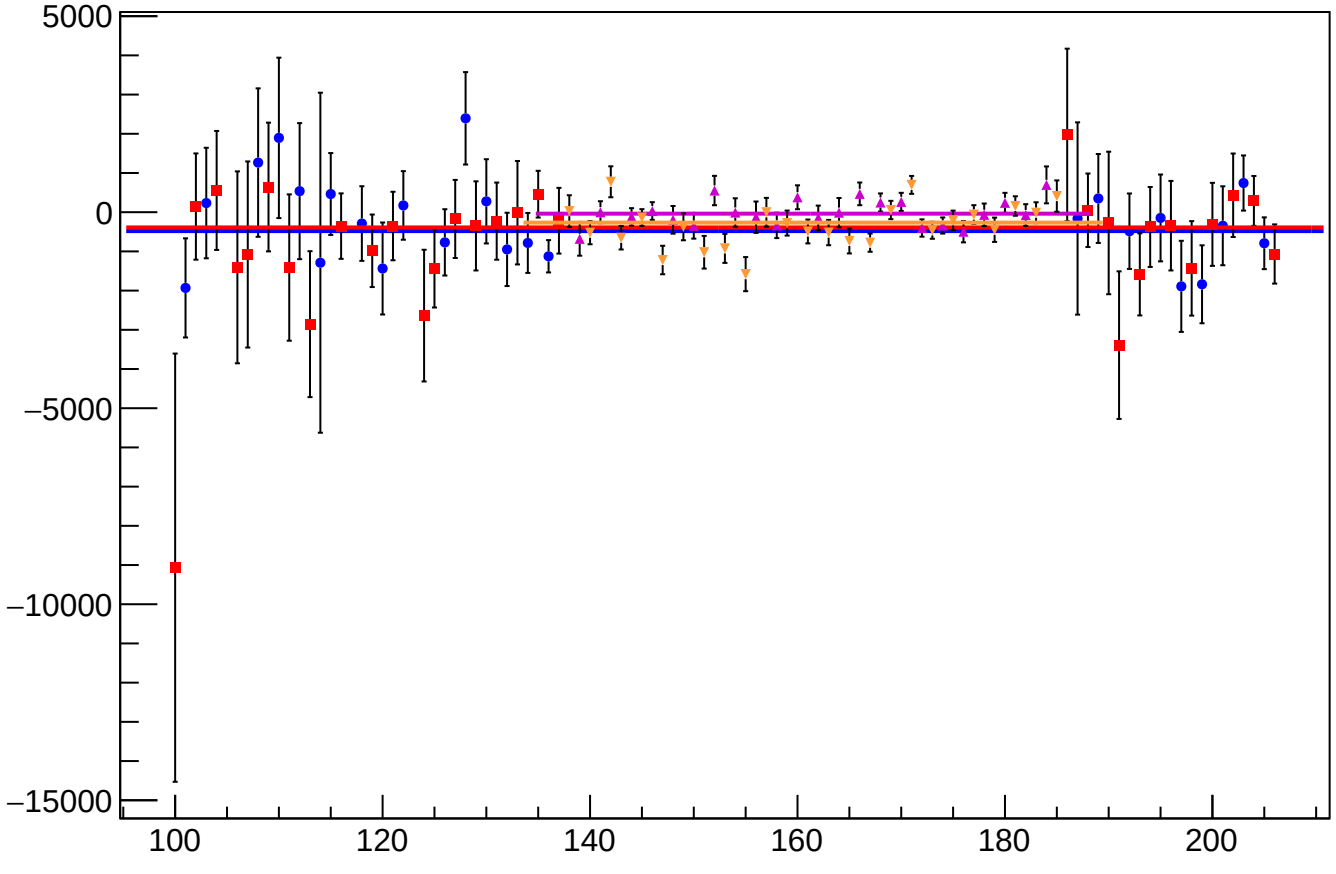
Right Out: 82.706+/-0.016 χ^2/NDF: 4984734.6/30

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 52.746+/-0.007 χ^2/NDF: 7061554.0/49

All: 53.554+/-0.005 χ^2/NDF: 16339160.3/103

- sign 54.409+/-0.007 χ^2/NDF: 9249031.4/53



Right In: -482.242+/-189.985 χ^2/NDF: 22.9/24

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

Right Out: -388.772+/-194.414 χ^2/NDF: 19.8/30

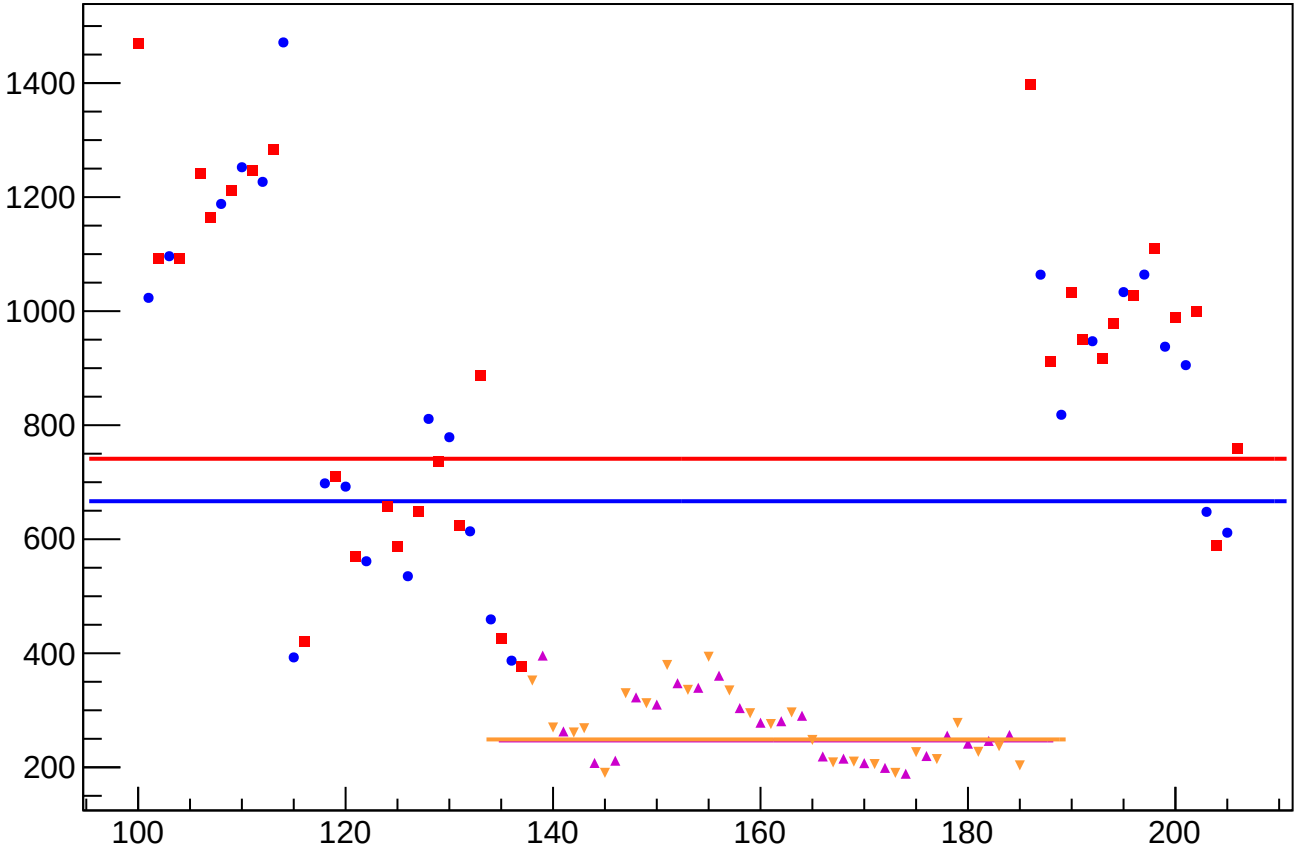
Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -284.161+/-55.500 χ^2/NDF: 93.9/49

All: -177.850+/-39.627 χ^2/NDF: 150.8/103

- sign -67.294+/-56.597 χ^2/NDF: 49.4/53

asym_sam_1526_avg_cor_correction_rms vs Slug



Right In: 666.678+/-0.134 χ^2/NDF: 3269211.1/24

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 741.131+/-0.137 χ^2/NDF: 3478158.5/30

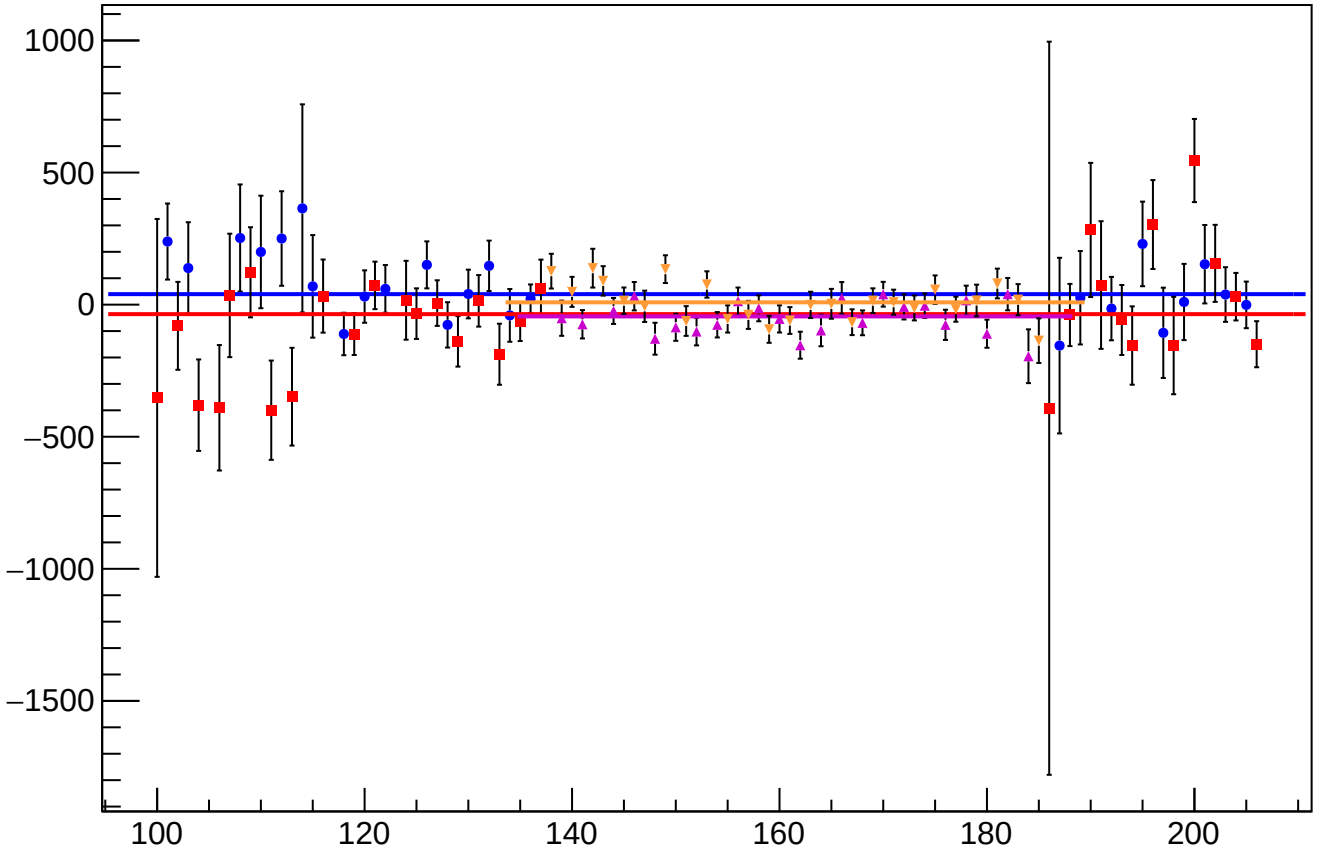
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 284.544+/-0.039 χ^2/NDF: 13779197.0/49

All: 286.717+/-0.028 χ^2/NDF: 30567793.2/10

- sign 288.977+/-0.040 χ^2/NDF: 16782340.8/53

eigen_cor_asym_sam_1526_avg_mean vs Slug



Right In: 39.759+/-22.339 χ^2/NDF: 18.5/24

Left Out: 8.758+/-10.770 χ^2/NDF:34.6/24

Right Out: -35.904+/-22.374 χ^2/NDF: 45.8/30

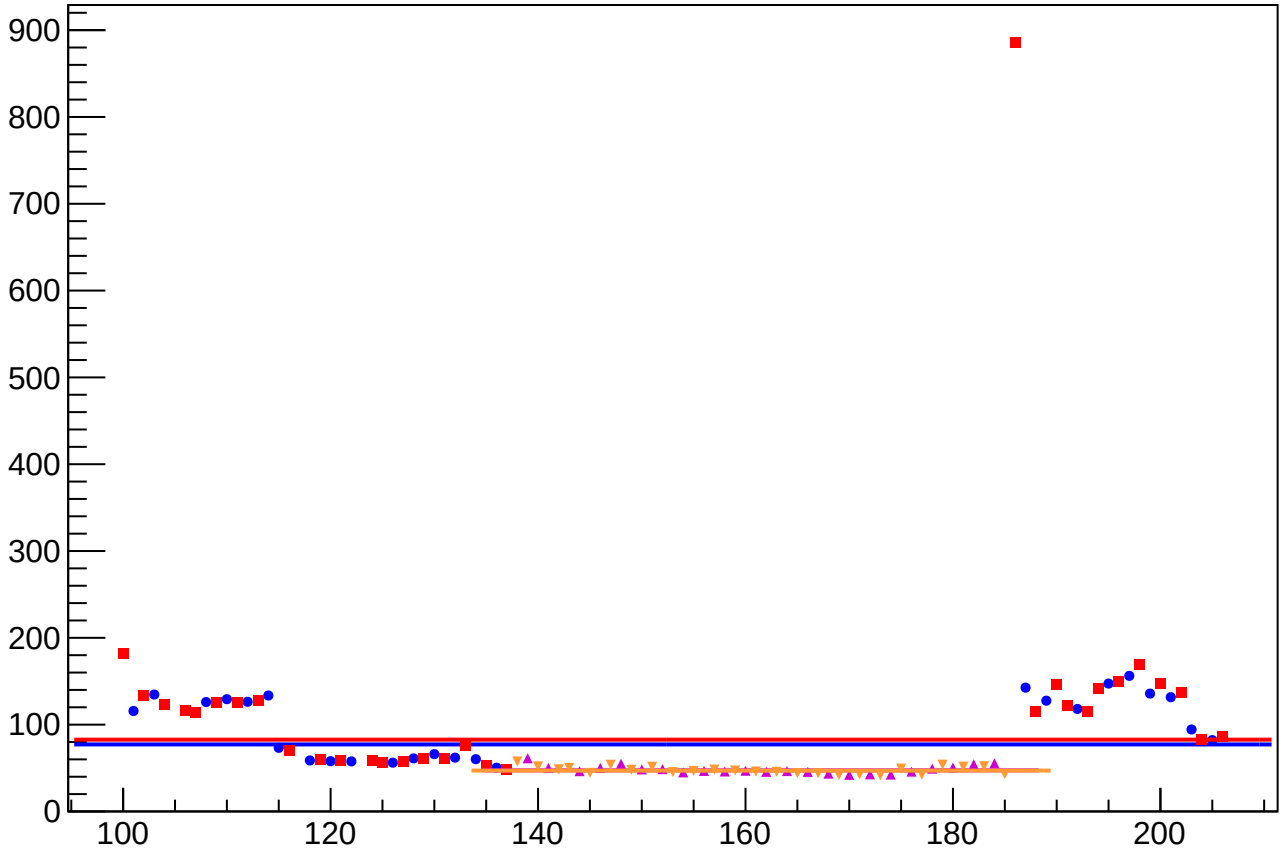
Left In: -44.540+/-11.149 χ^2/NDF:27.0/22

+ sign 14.604+/-9.701 χ^2/NDF: 54.7/49

All: -13.300+/-6.956 χ^2/NDF: 144.6/103

- sign -42.822+/-9.978 χ^2/NDF: 72.9/53

eigen_cor_asym_sam_1526_avg_rms vs Slug



Right In: 77.191+/-0.016 χ^2/NDF: 3822269.9/24

Left Out: 47.064+/-0.008 χ^2/NDF:287590.7/24

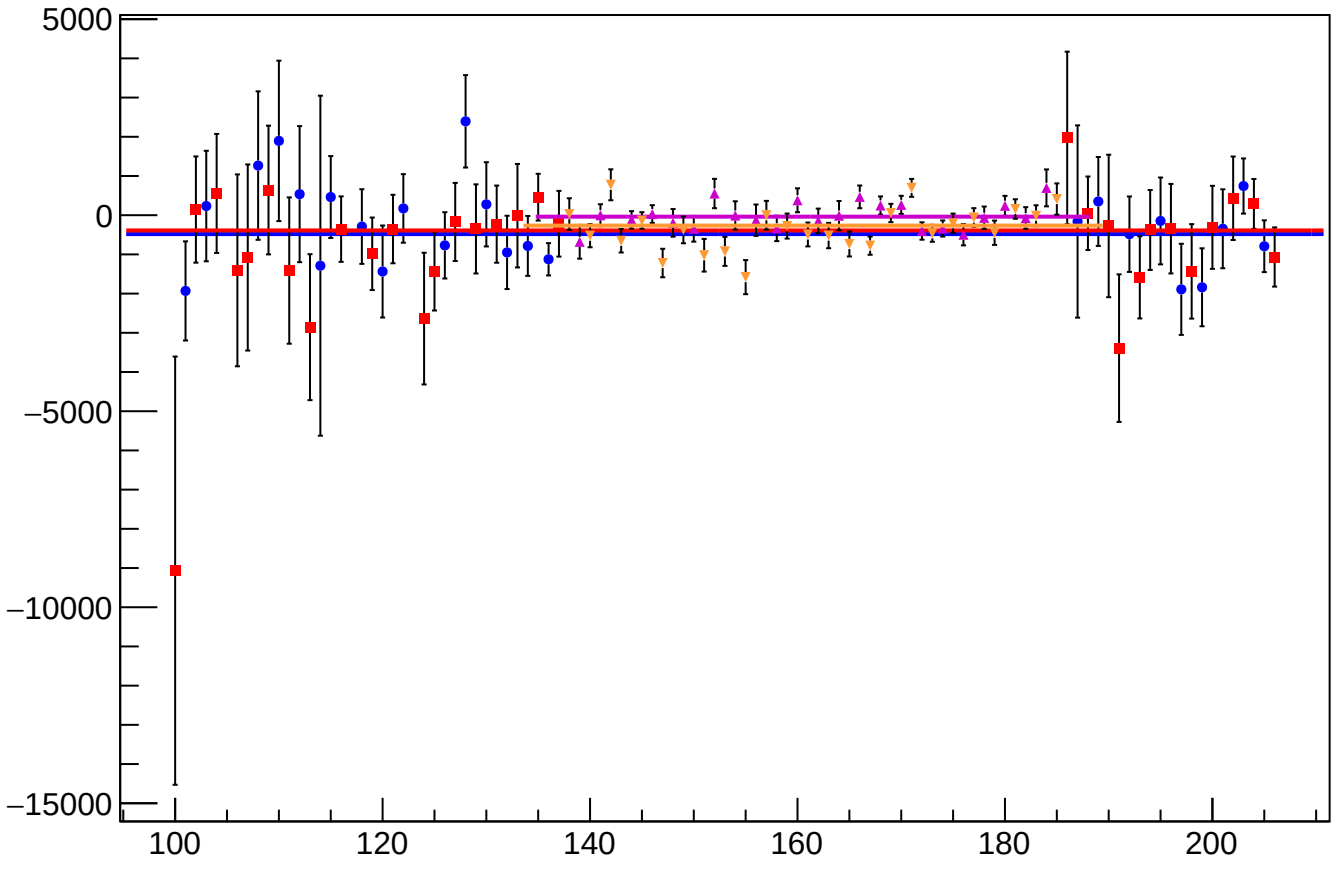
Right Out: 82.706+/-0.016 χ^2/NDF: 4984734.6/30

Left In: 47.384+/-0.008 χ^2/NDF:271036.5/22

+ sign 52.746+/-0.007 χ^2/NDF: 7061554.0/49

All: 53.554+/-0.005 χ^2/NDF: 16339160.3/103

- sign 54.409+/-0.007 χ^2/NDF: 9249031.4/53



Right In: -482.242+/-189.985 χ^2/NDF: 22.9/24

Left Out: -265.680+/-58.031 χ^2/NDF:69.8/24

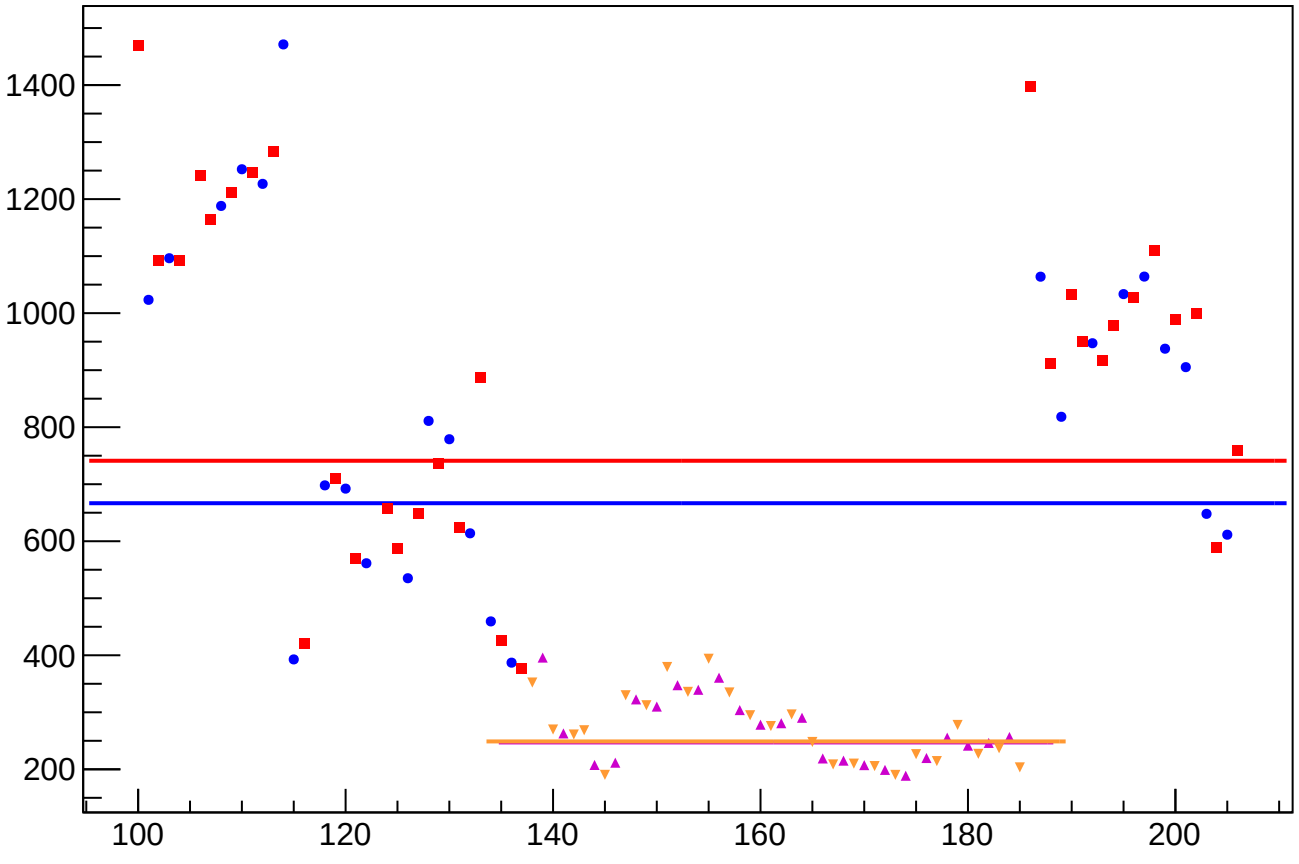
Right Out: -388.772+/-194.414 χ^2/NDF: 19.8/30

Left In: -37.527+/-59.159 χ^2/NDF:26.6/22

+ sign -284.161+/-55.500 χ^2/NDF: 93.9/49

All: -177.850+/-39.627 χ^2/NDF: 150.8/103

- sign -67.294+/-56.597 χ^2/NDF: 49.4/53



Right In: 666.678+/-0.134 χ^2/NDF: 3269211.1/24

Left Out: 248.891+/-0.041 χ^2/NDF:1663717.9/24

Right Out: 741.131+/-0.137 χ^2/NDF: 3478158.5/30

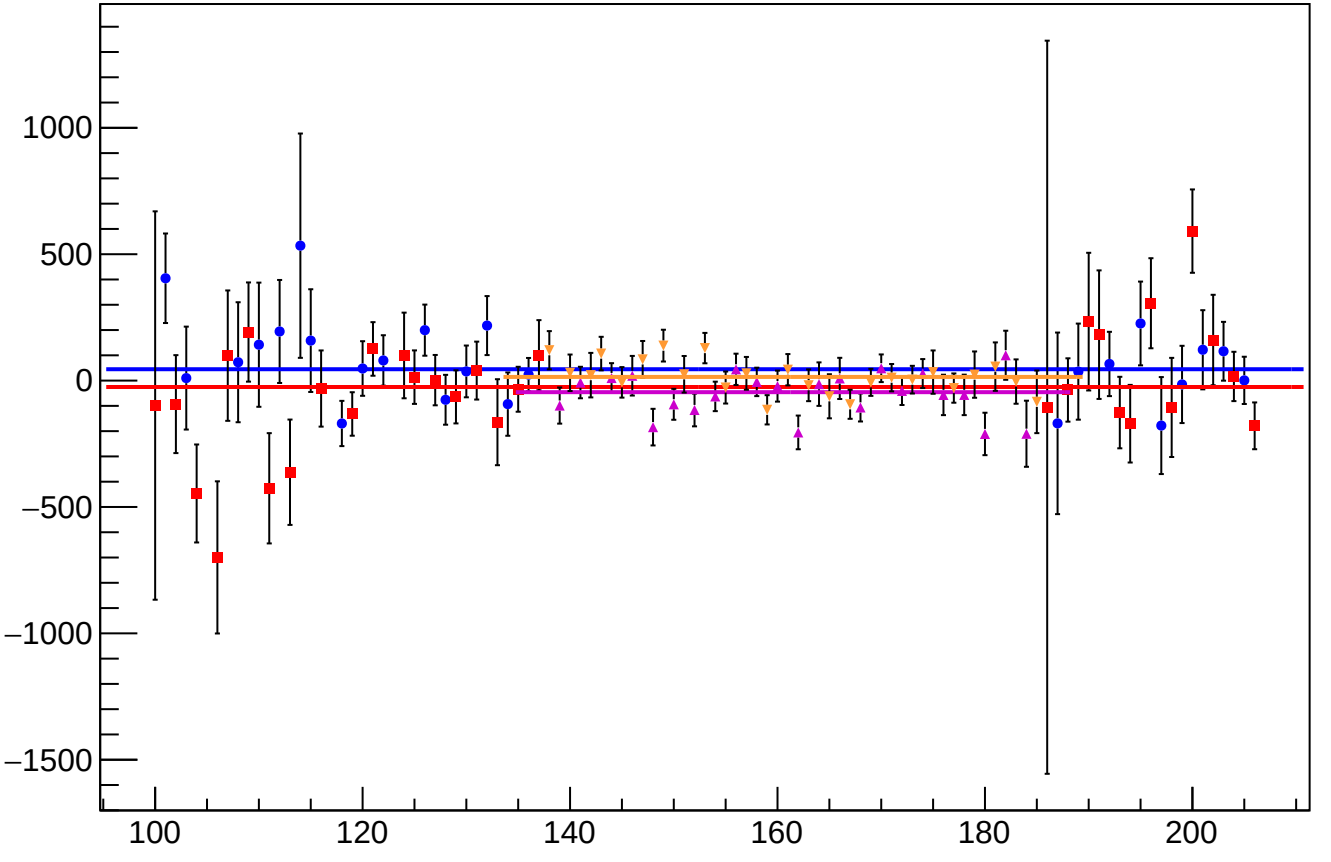
Left In: 247.109+/-0.042 χ^2/NDF:1484445.1/22

+ sign 284.544+/-0.039 χ^2/NDF: 13779197.0/49

All: 286.717+/-0.028 χ^2/NDF: 30567793.2/10

- sign 288.977+/-0.040 χ^2/NDF: 16782340.8/53

dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.981+/-25.394 χ^2/NDF: 23.5/24

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -25.343+/-25.343 χ^2/NDF: 48.2/30

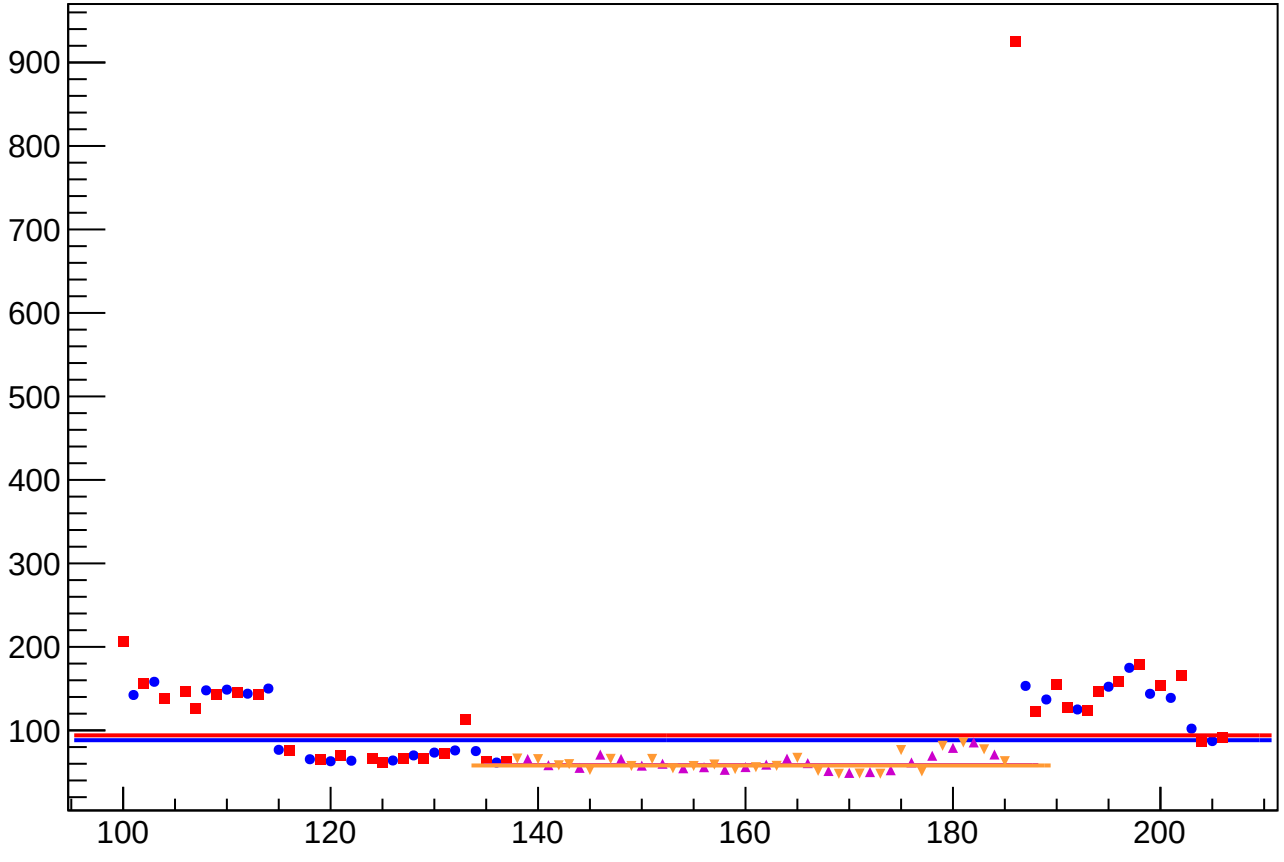
Left In: -45.806+/-13.931 χ^2/NDF:30.7/22

+ sign 21.179+/-11.889 χ^2/NDF: 49.2/49

All: -9.114+/-8.517 χ^2/NDF: 142.0/103

- sign -41.058+/-12.208 χ^2/NDF: 79.5/53

dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.217+/-0.018 χ^2/NDF: 3399421.1/24

Left Out: 57.965+/-0.010 χ^2/NDF:896947.4/24

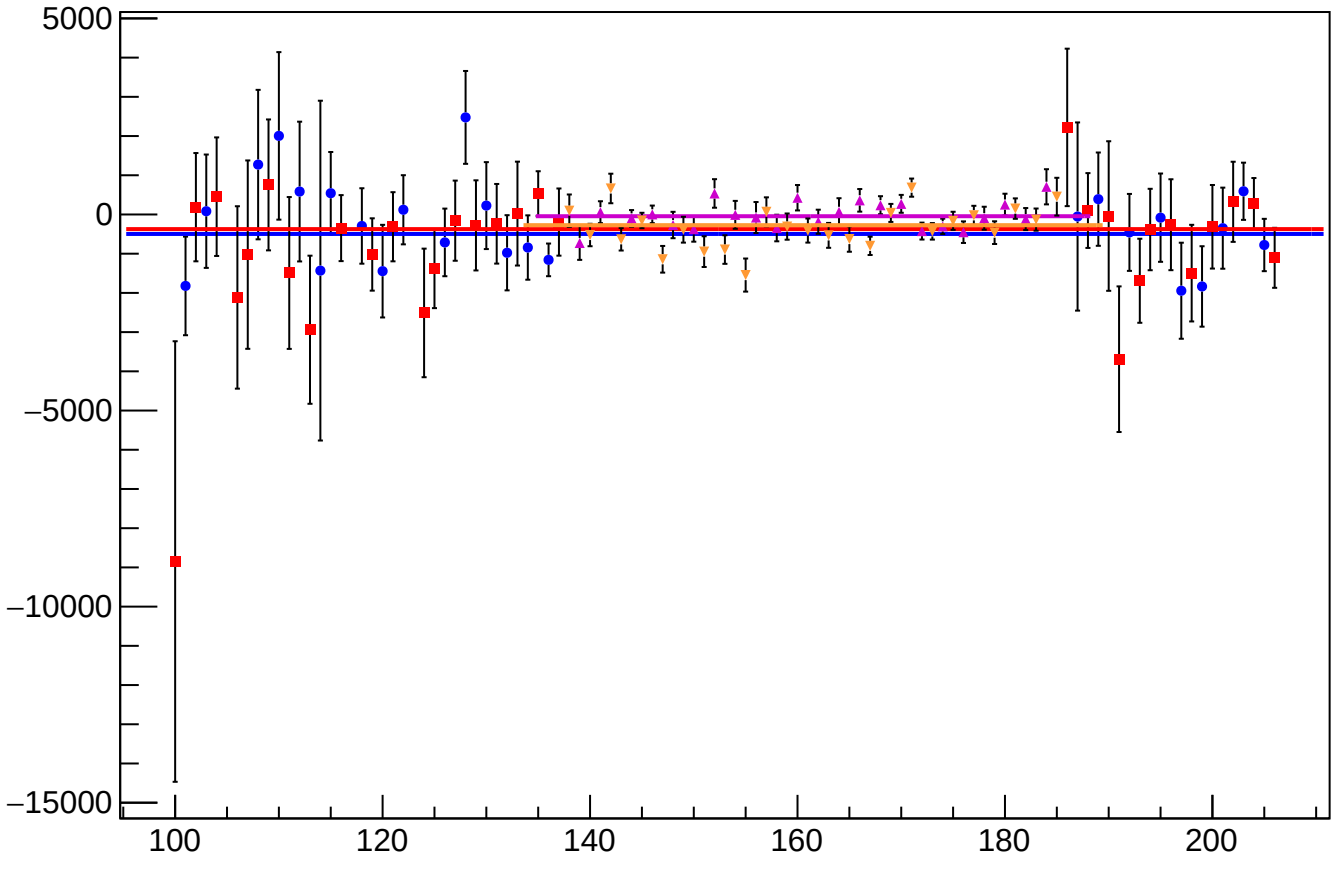
Right Out: 94.028+/-0.018 χ^2/NDF: 4561271.7/30

Left In: 58.479+/-0.010 χ^2/NDF:649919.9/22

+ sign 64.596+/-0.008 χ^2/NDF: 6512587.7/49

All: 65.634+/-0.006 χ^2/NDF: 14777079.7/103

- sign 66.728+/-0.009 χ^2/NDF: 8233173.4/53



Right In: -496.772+/-194.042 χ^2/NDF: 22.1/24

Left Out: -272.513+/-57.274 χ^2/NDF:65.8/24

Right Out: -373.173+/-195.492 χ^2/NDF: 21.8/30

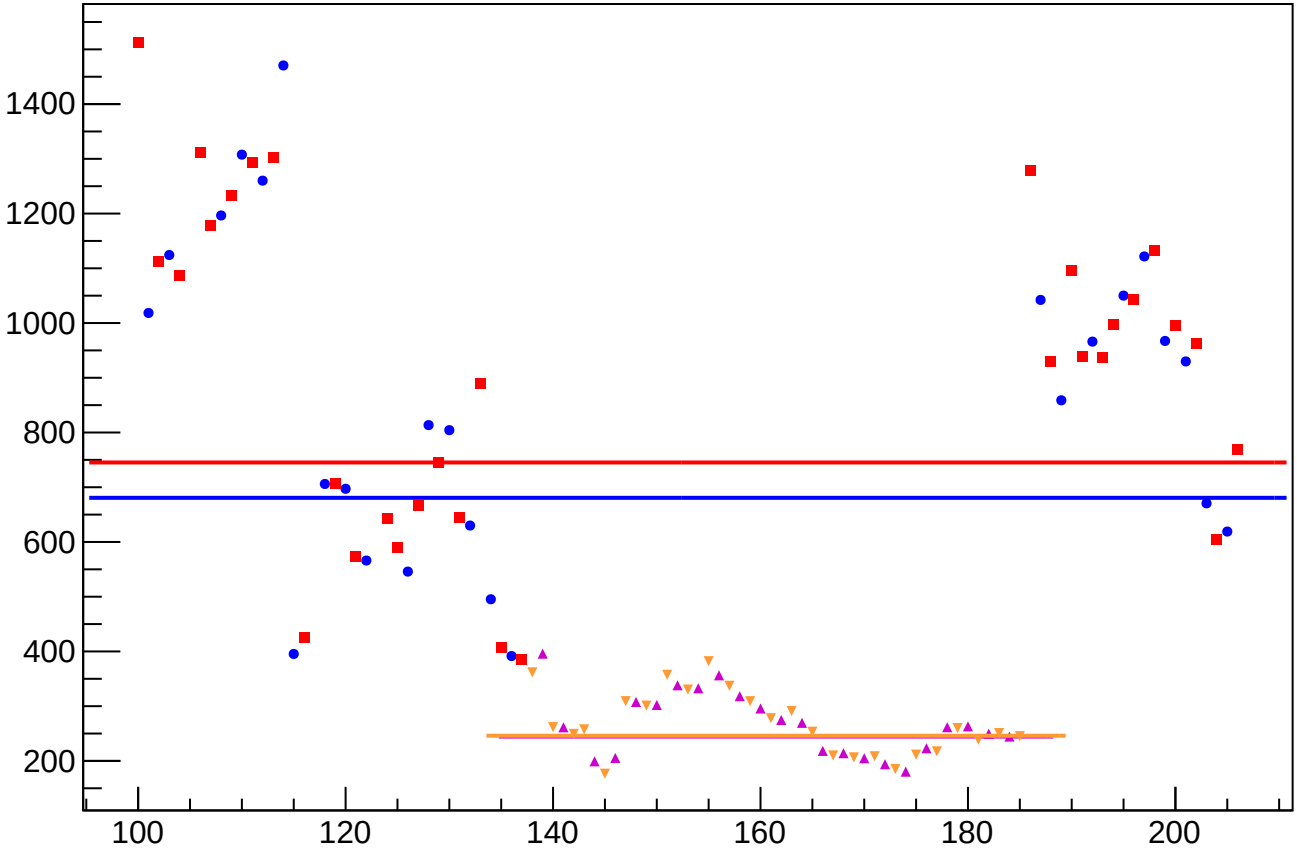
Left In: -44.553+/-58.614 χ^2/NDF:26.5/22

\+ sign -290.485+/-54.931 χ^2/NDF: 89.1/49

All: -183.463+/-39.264 χ^2/NDF: 147.7/103

\- sign -71.658+/-56.145 χ^2/NDF: 50.9/53

asym_sam_1526_avg_dit_correction_rms vs Slug



Right In: 680.667+/-0.137 χ^2/NDF: 3306221.9/24

Left Out: 246.017+/-0.040 χ^2/NDF:1680565.1/24

Right Out: 745.277+/-0.138 χ^2/NDF: 3615576.4/30

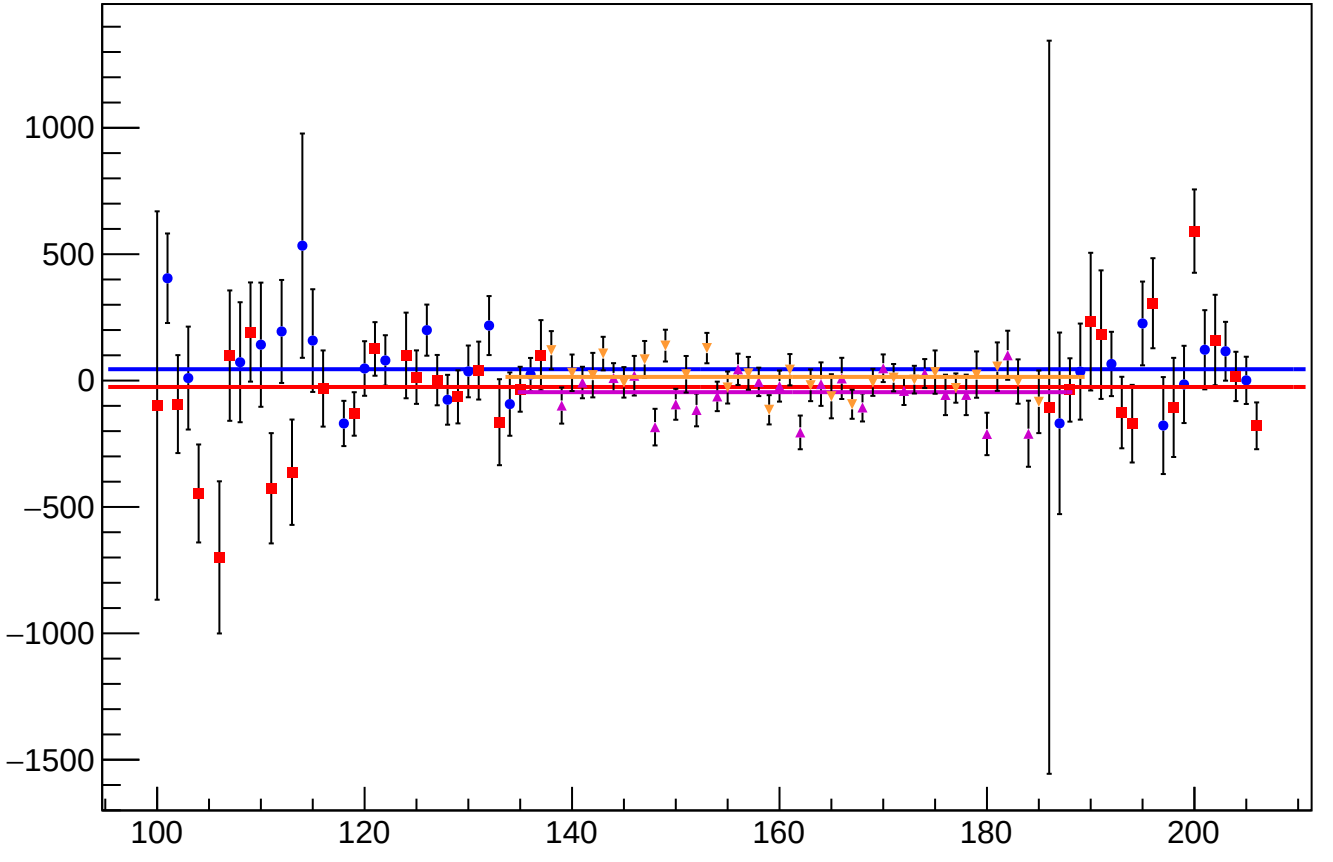
Left In: 244.450+/-0.041 χ^2/NDF:1596988.0/22

+ sign 280.849+/-0.039 χ^2/NDF: 14217596.9/49

All: 283.251+/-0.028 χ^2/NDF: 31481731.5/10

- sign 285.760+/-0.040 χ^2/NDF: 17256318.6/53

eigen_dit_asym_sam_1526_avg_mean vs Slug



Right In: 44.982+/-25.394 χ^2/NDF: 23.5/24

Left Out: 14.498+/-13.454 χ^2/NDF:24.5/24

Right Out: -25.343+/-25.343 χ^2/NDF: 48.2/30

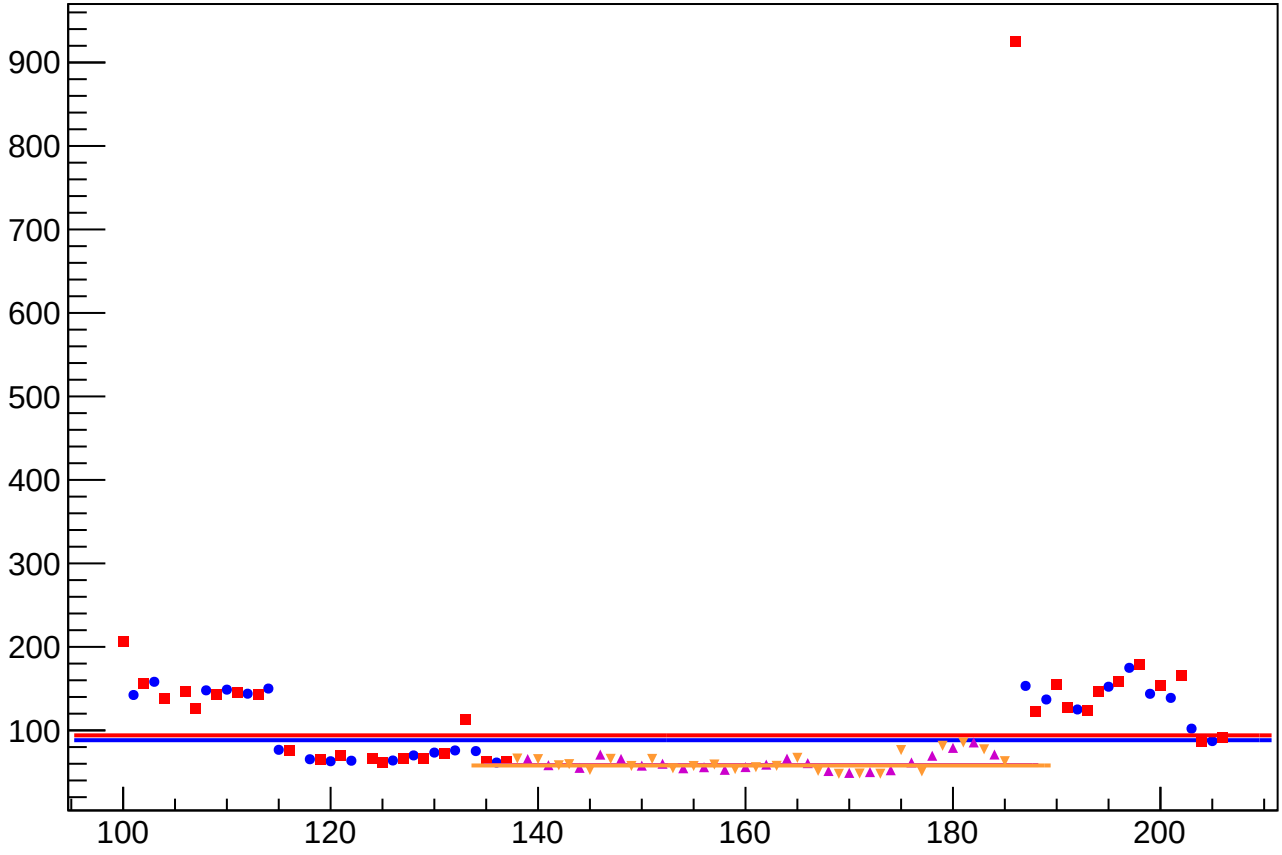
Left In: -45.805+/-13.931 χ^2/NDF:30.7/22

+ sign 21.179+/-11.889 χ^2/NDF: 49.2/49

All: -9.114+/-8.517 χ^2/NDF: 142.0/103

- sign -41.057+/-12.208 χ^2/NDF: 79.5/53

eigen_dit_asym_sam_1526_avg_rms vs Slug



Right In: 88.217+/-0.018 χ^2/NDF: 3399423.6/24

Left Out: 57.965+/-0.010 χ^2/NDF:896952.8/24

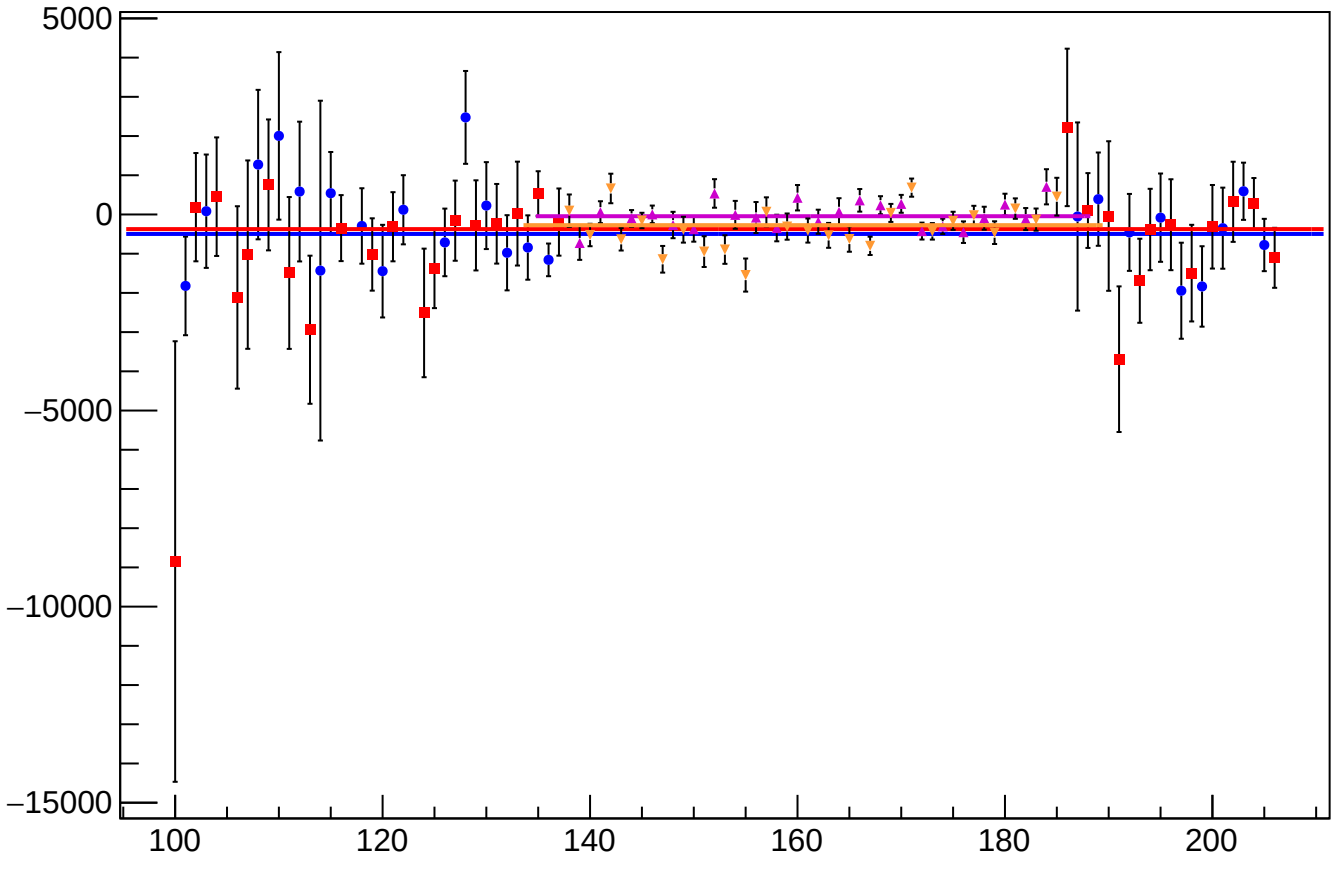
Right Out: 94.028+/-0.018 χ^2/NDF: 4561285.7/30

Left In: 58.479+/-0.010 χ^2/NDF:649911.4/22

+ sign 64.596+/-0.008 χ^2/NDF: 6512546.2/49

All: 65.634+/-0.006 χ^2/NDF: 14776981.5/103

- sign 66.728+/-0.009 χ^2/NDF: 8233114.6/53



Right In: -496.770+/-194.042 χ^2/NDF: 22.1/24

Left Out: -272.512+/-57.274 χ^2/NDF:65.8/24

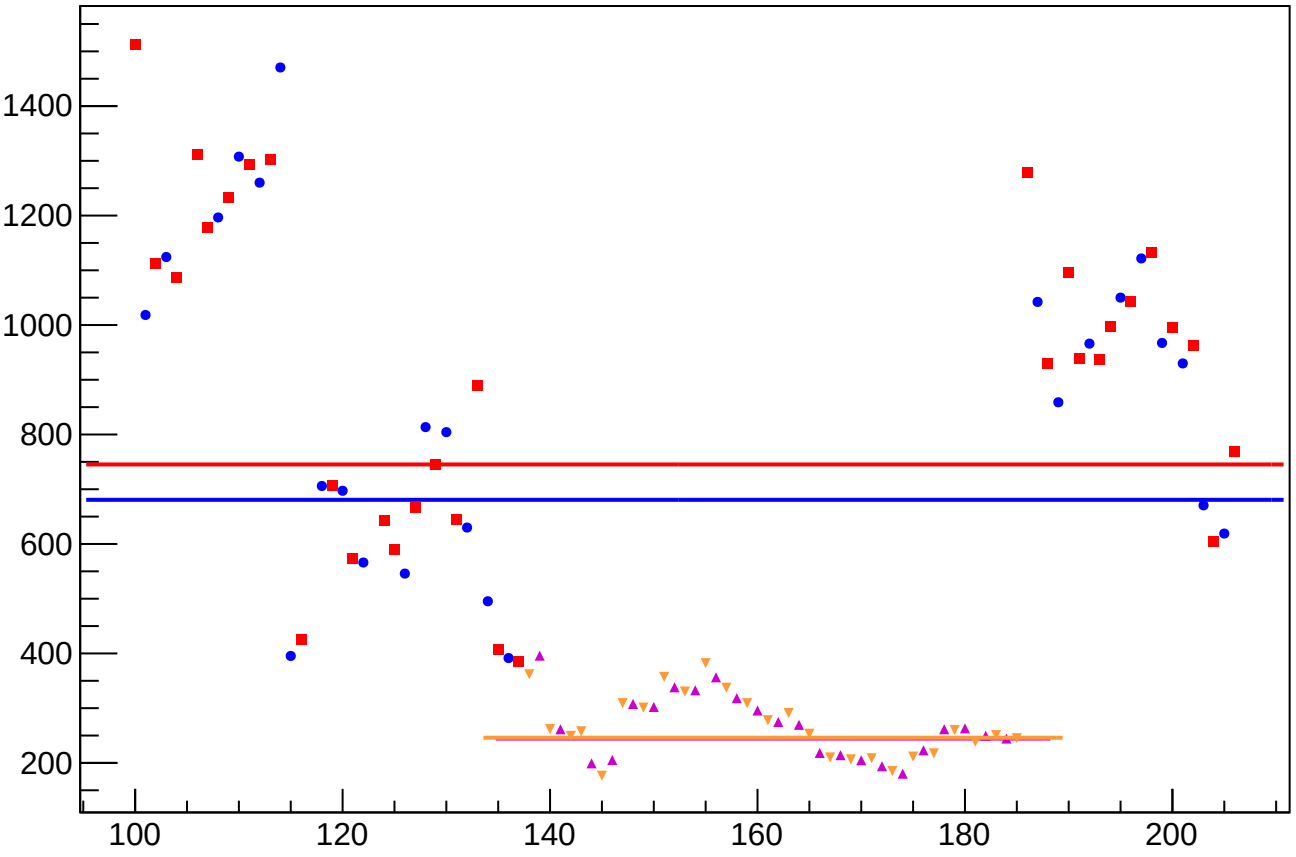
Right Out: -373.174+/-195.492 χ^2/NDF: 21.8/30

Left In: -44.552+/-58.614 χ^2/NDF:26.5/22

+ sign -290.484+/-54.931 χ^2/NDF: 89.1/49

All: -183.462+/-39.264 χ^2/NDF: 147.7/103

- sign -71.658+/-56.145 χ^2/NDF: 50.9/53



Right In: 680.666+/-0.137 χ^2/NDF: 3306205.0/24

Left Out: 246.016+/-0.040 χ^2/NDF:1680566.1/24

Right Out: 745.276+/-0.138 χ^2/NDF: 3615557.4/30

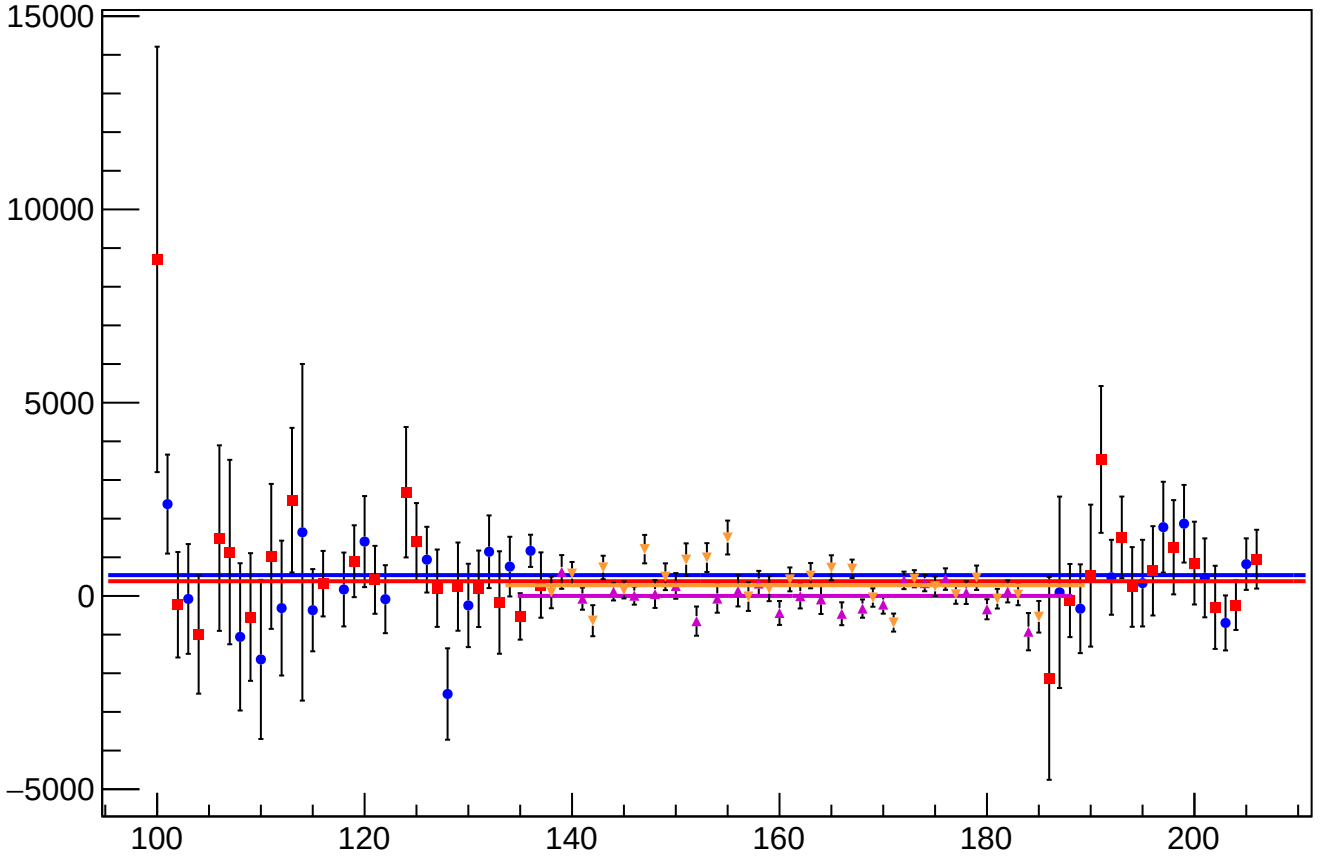
Left In: 244.450+/-0.041 χ^2/NDF:1596977.8/22

+ sign 280.849+/-0.039 χ^2/NDF: 14217602.6/49

All: 283.250+/-0.028 χ^2/NDF: 31481725.2/10

- sign 285.759+/-0.040 χ^2/NDF: 17256305.9/53

asym_sam_1526_avg_mean vs Slug



Right In: 538.632+/-191.742 χ^2/NDF: 23.3/24

Left Out: 277.077+/-59.149 χ^2/NDF:64.1/24

Right Out: 381.425+/-196.188 χ^2/NDF: 18.9/30

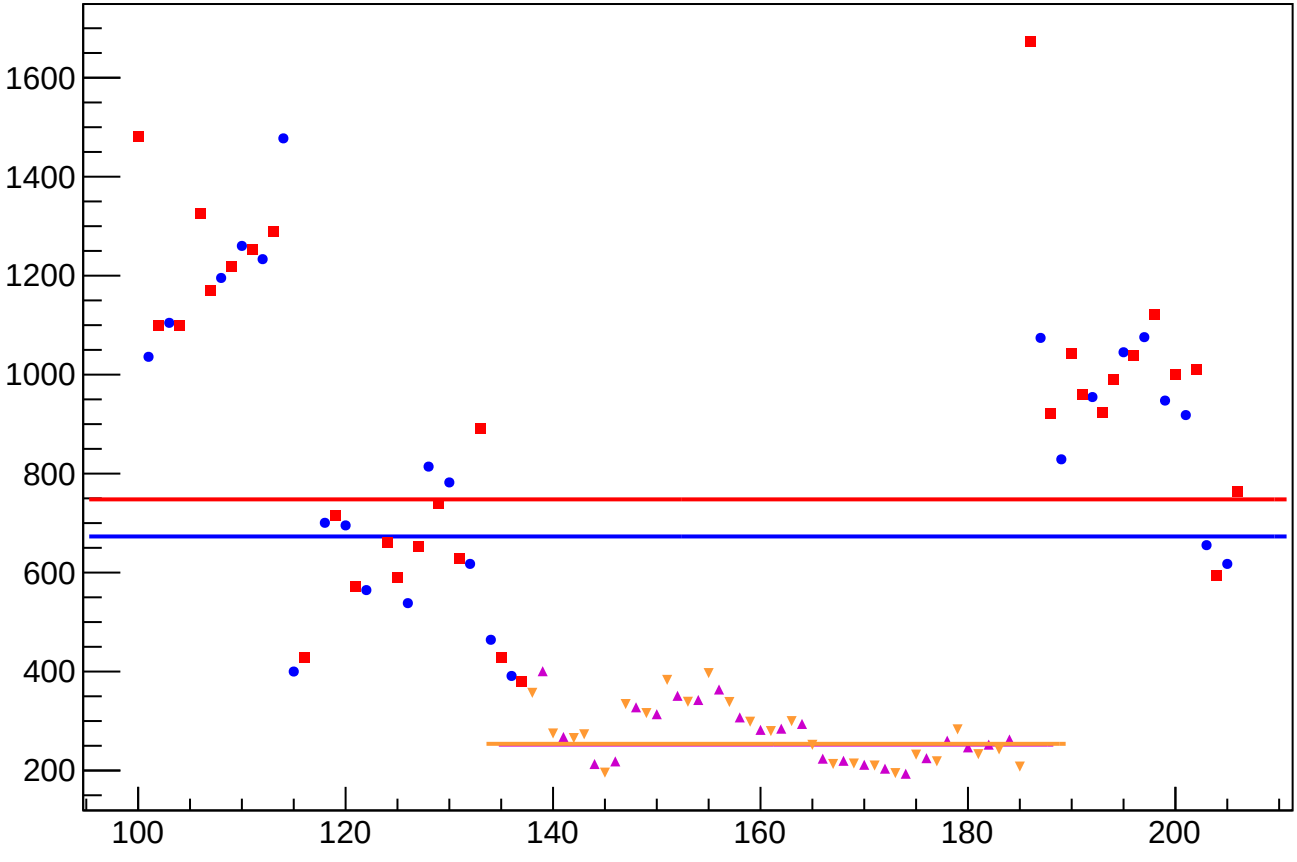
Left In: 0.556+/-60.356 χ^2/NDF:28.1/22

+ sign 299.804+/-56.520 χ^2/NDF: 89.1/49

All: 169.367+/-40.372 χ^2/NDF: 150.4/103

- sign 33.486+/-57.688 χ^2/NDF: 50.4/53

asym_sam_1526_avg_rms vs Slug



Right In: 672.991+/-0.136 χ^2/NDF: 3259499.2/24

Left Out: 253.953+/-0.042 χ^2/NDF:1590761.5/24

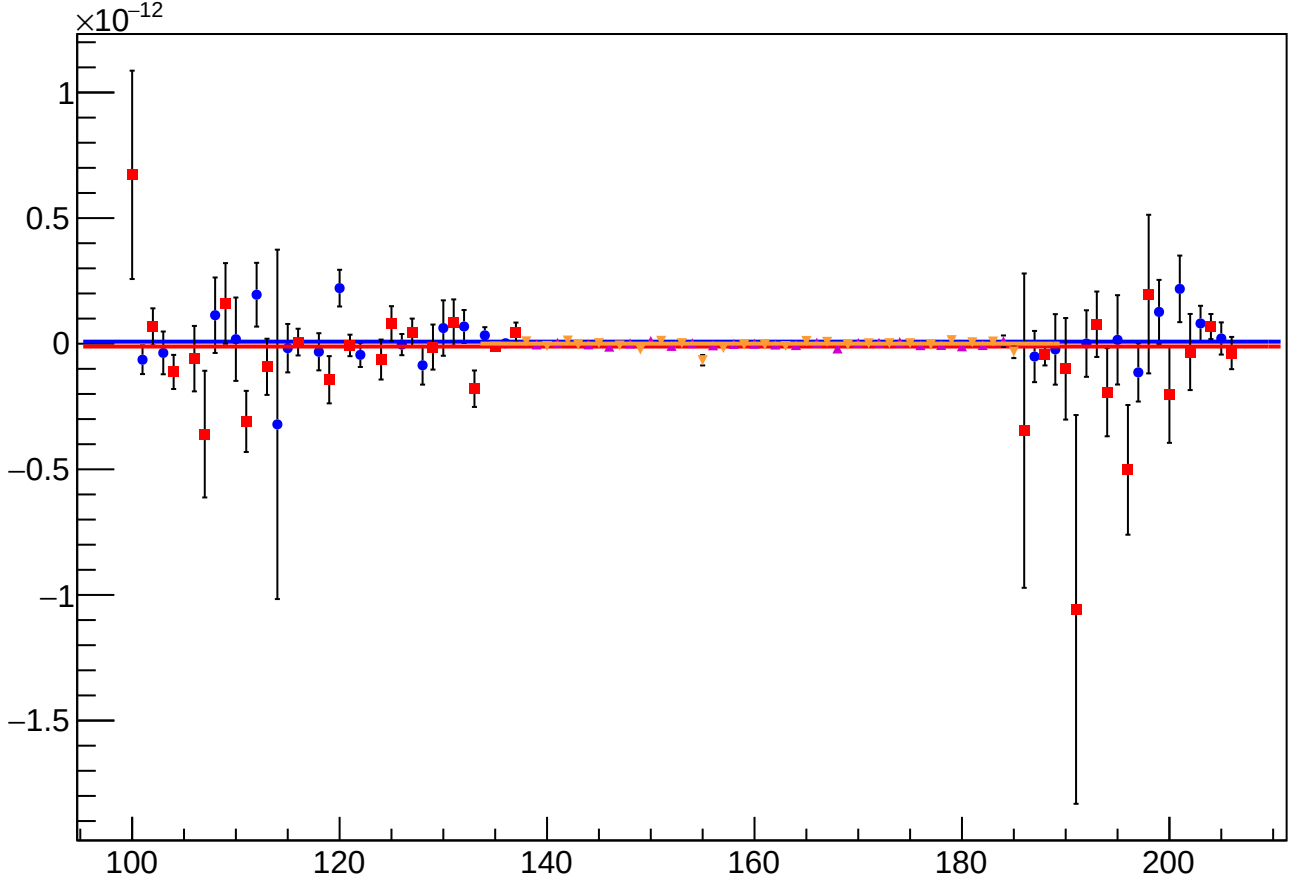
Right Out: 747.924+/-0.139 χ^2/NDF: 3580473.2/30

Left In: 252.390+/-0.043 χ^2/NDF:1412169.8/22

+ sign 290.364+/-0.040 χ^2/NDF: 13572404.3/49

All: 292.750+/-0.029 χ^2/NDF: 30228545.6/10

- sign 295.235+/-0.041 χ^2/NDF: 16648866.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:26.9/24

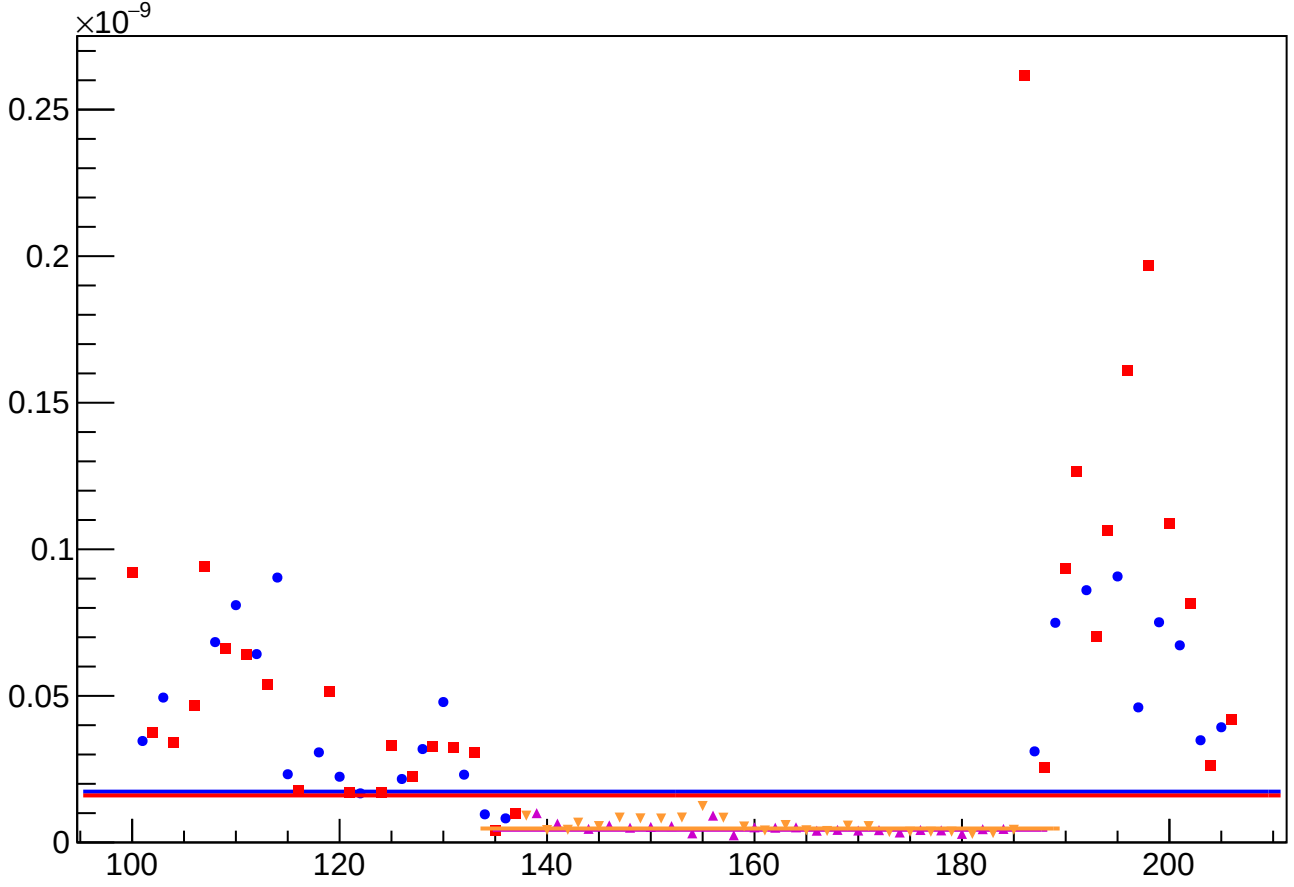
Right Out: -0.000+/-0.000 χ^2/NDF: 41.5/30

Left In: -0.000+/-0.000 χ^2/NDF:14.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 51.8/49

All: -0.000+/-0.000 χ^2/NDF: 109.3/103

- sign -0.000+/-0.000 χ^2/NDF: 56.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 5096057.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1613401.1/24

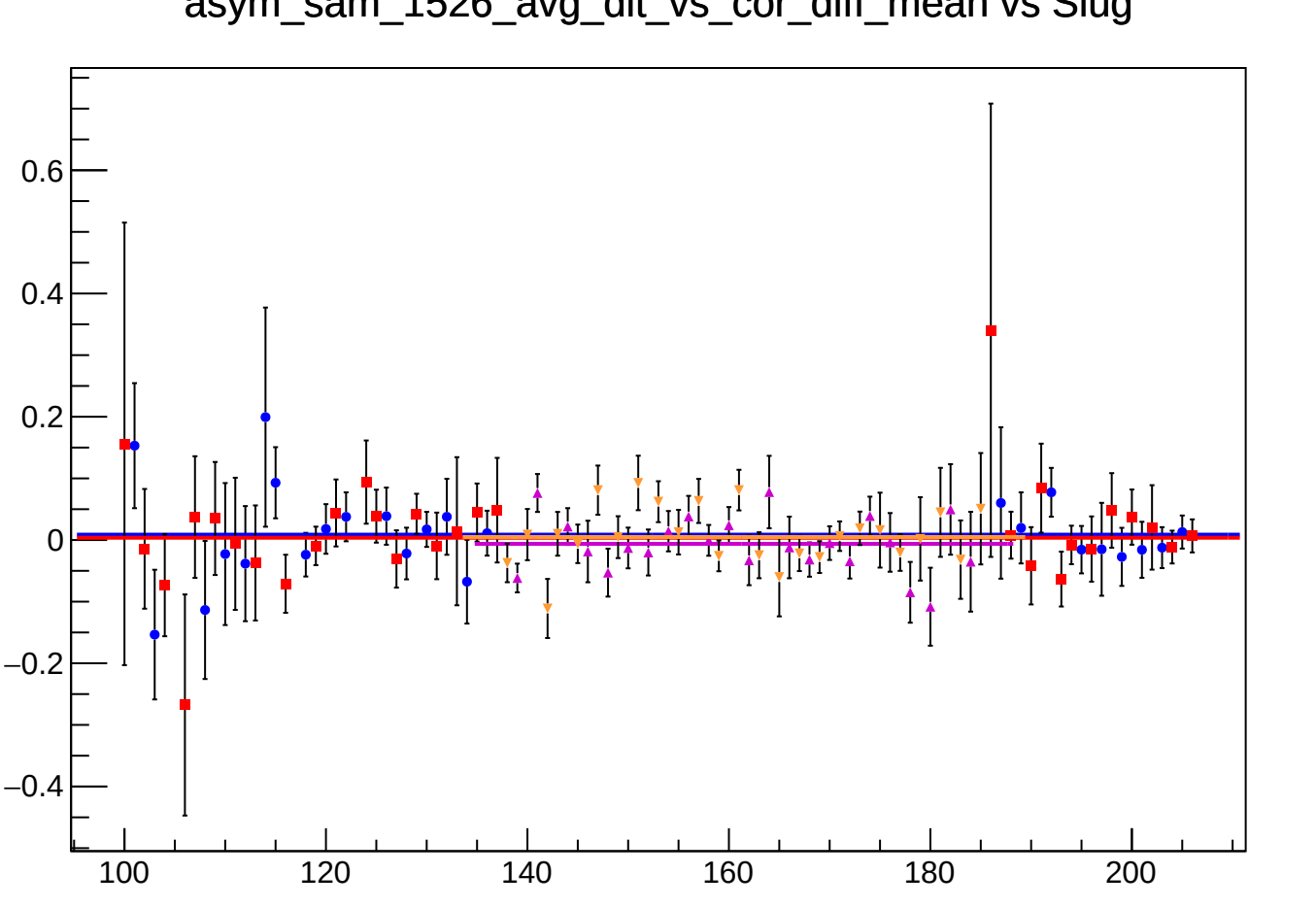
Right Out: 0.000+/-0.000 χ^2/NDF: 7868434.0/30

Left In: 0.000+/-0.000 χ^2/NDF:983290.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 9731450.0/49

All: 0.000+/-0.000 χ^2/NDF: 21389806.5/103

- sign 0.000+/-0.000 χ^2/NDF: 11593170.5/53



Right In: 0.009+/-0.009 χ^2/NDF: 18.2/24

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.004+/-0.009 χ^2/NDF: 19.2/30

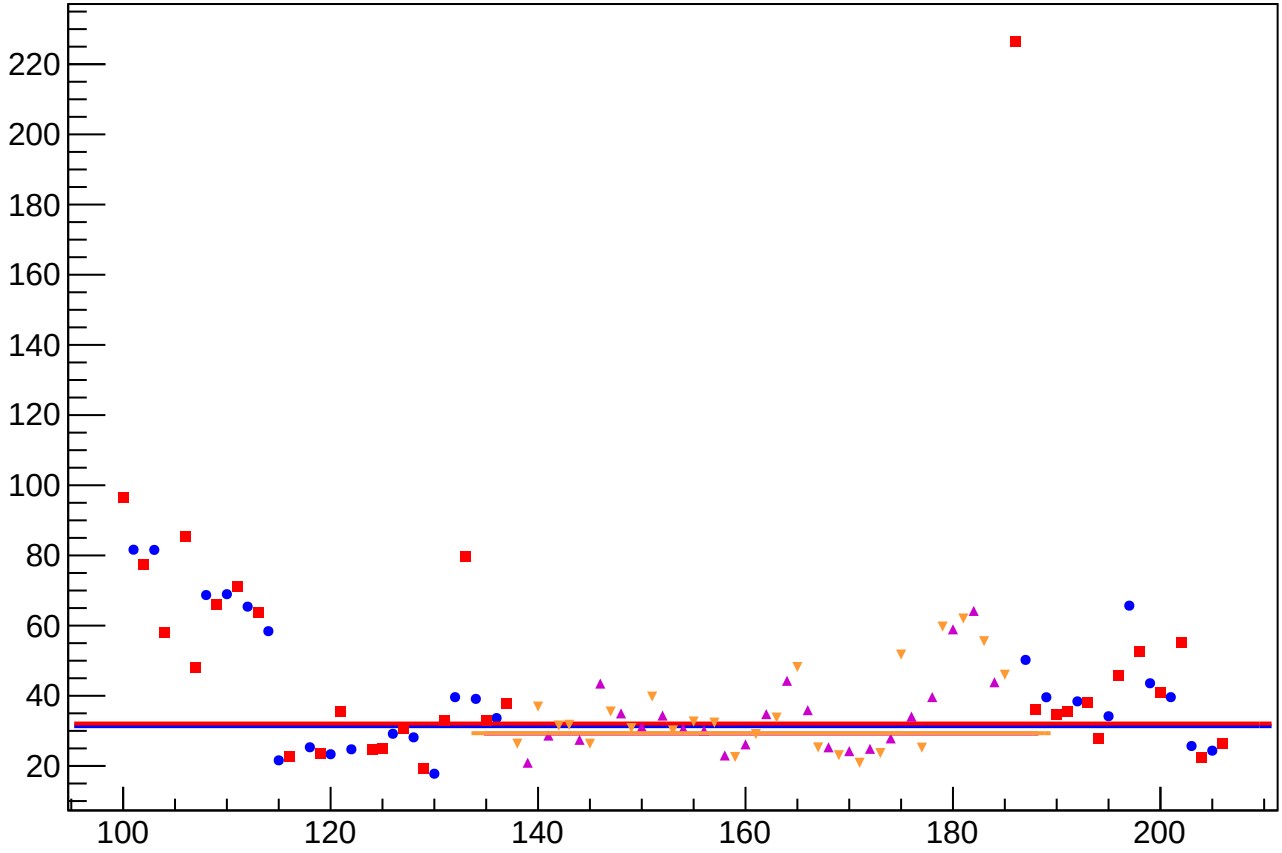
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 52.2/49

All: 0.002+/-0.004 χ^2/NDF: 104.3/103

- sign -0.002+/-0.006 χ^2/NDF: 50.9/53

asym_sam_1526_avg_dit_vs_cor_diff_rms vs Slug



Right In: 31.346+/-0.007 χ^2/NDF: 3457697.0/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

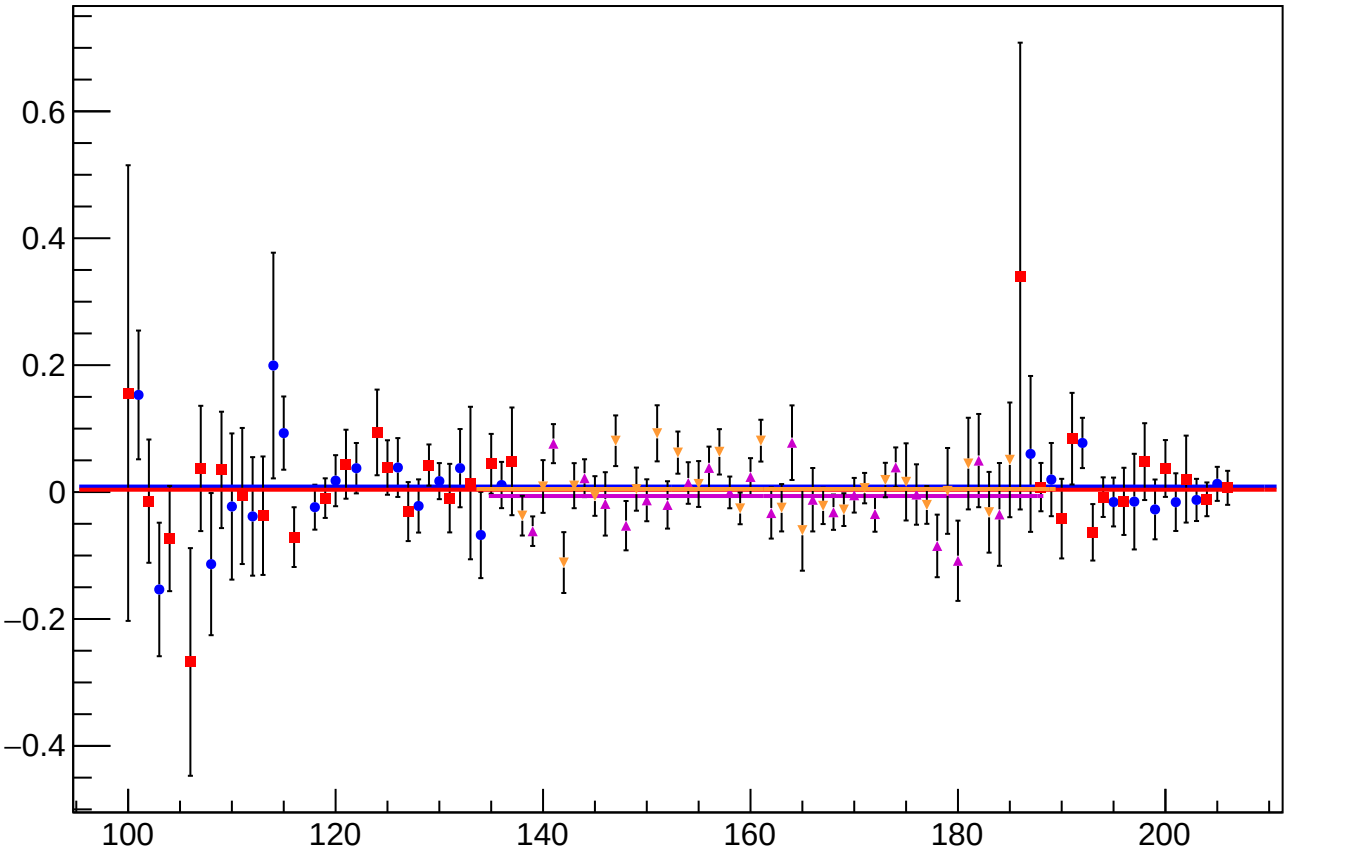
Right Out: 32.091+/-0.006 χ^2/NDF: 4351021.7/30

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

\+ sign 30.072+/-0.004 χ^2/NDF: 6203306.3/49

All: 30.219+/-0.003 χ^2/NDF: 12778422.3/103

\- sign 30.365+/-0.004 χ^2/NDF: 6572423.9/53



Right In: 0.009+/-0.009 χ^2/NDF: 18.2/24

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.004+/-0.009 χ^2/NDF: 19.2/30

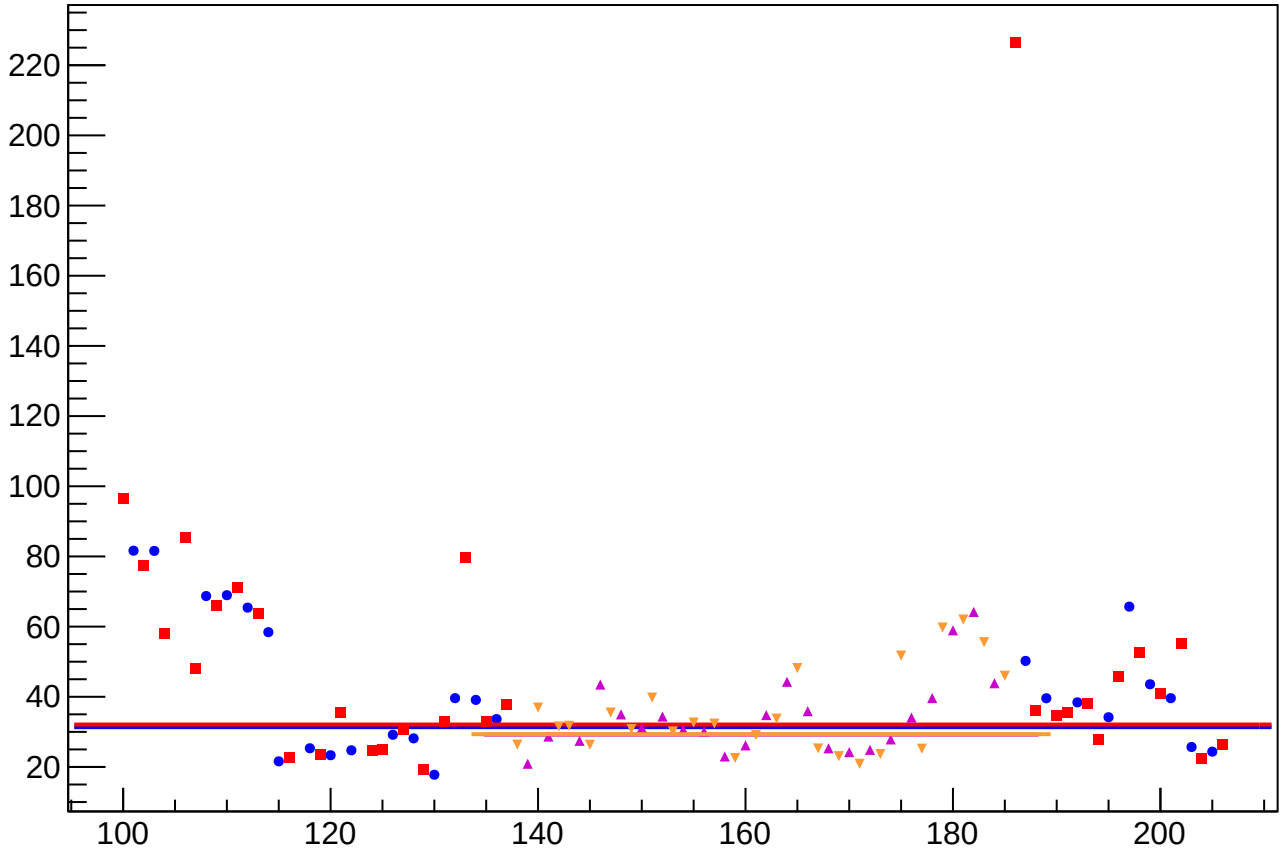
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 52.2/49

All: 0.002+/-0.004 χ^2/NDF: 104.3/103

- sign -0.002+/-0.006 χ^2/NDF: 50.9/53

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.346+/-0.007 χ^2/NDF: 3457697.0/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687159.2/24

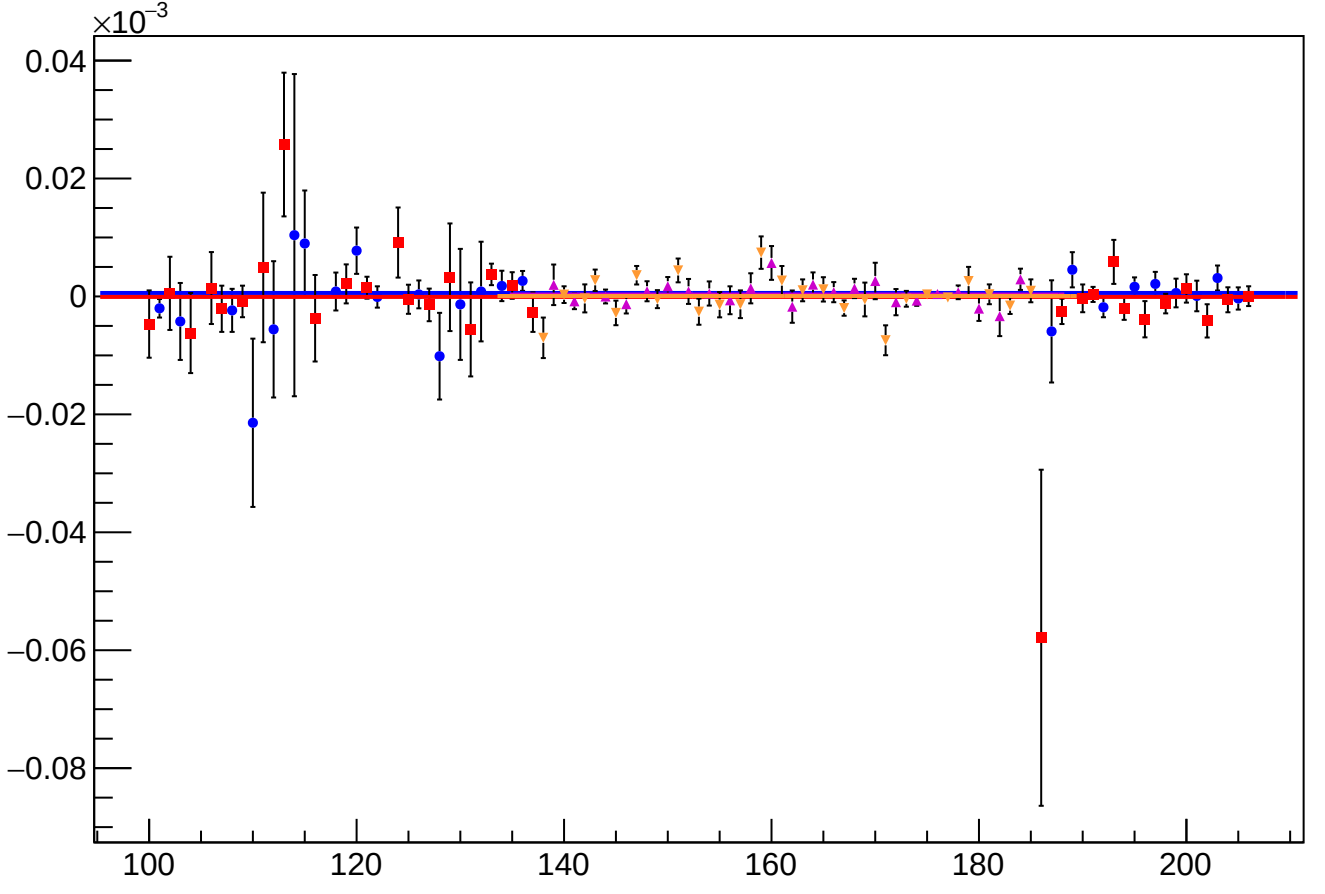
Right Out: 32.091+/-0.006 χ^2/NDF: 4351021.7/30

Left In: 29.226+/-0.005 χ^2/NDF:2097657.8/22

+ sign 30.072+/-0.004 χ^2/NDF: 6203306.3/49

All: 30.219+/-0.003 χ^2/NDF: 12778422.3/103

- sign 30.365+/-0.004 χ^2/NDF: 6572423.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 22.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:43.7/24

Right Out: -0.000+/-0.000 χ^2/NDF: 30.5/30

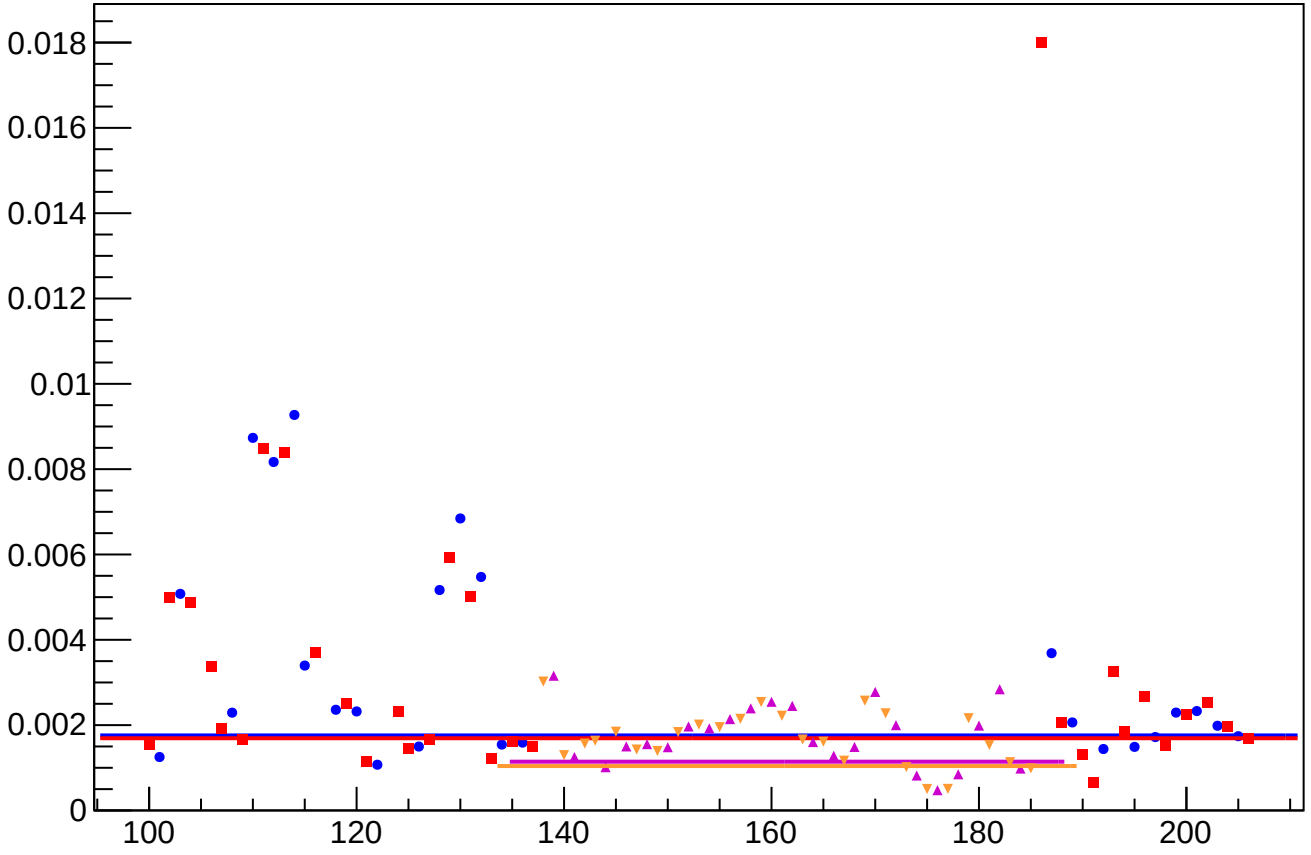
Left In: 0.000+/-0.000 χ^2/NDF:15.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 66.5/49

All: 0.000+/-0.000 χ^2/NDF: 112.9/103

- sign 0.000+/-0.000 χ^2/NDF: 46.4/53

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF: 4400111.7/24

Left Out: 0.001+/-0.000 χ^2/NDF:9825407.0/24

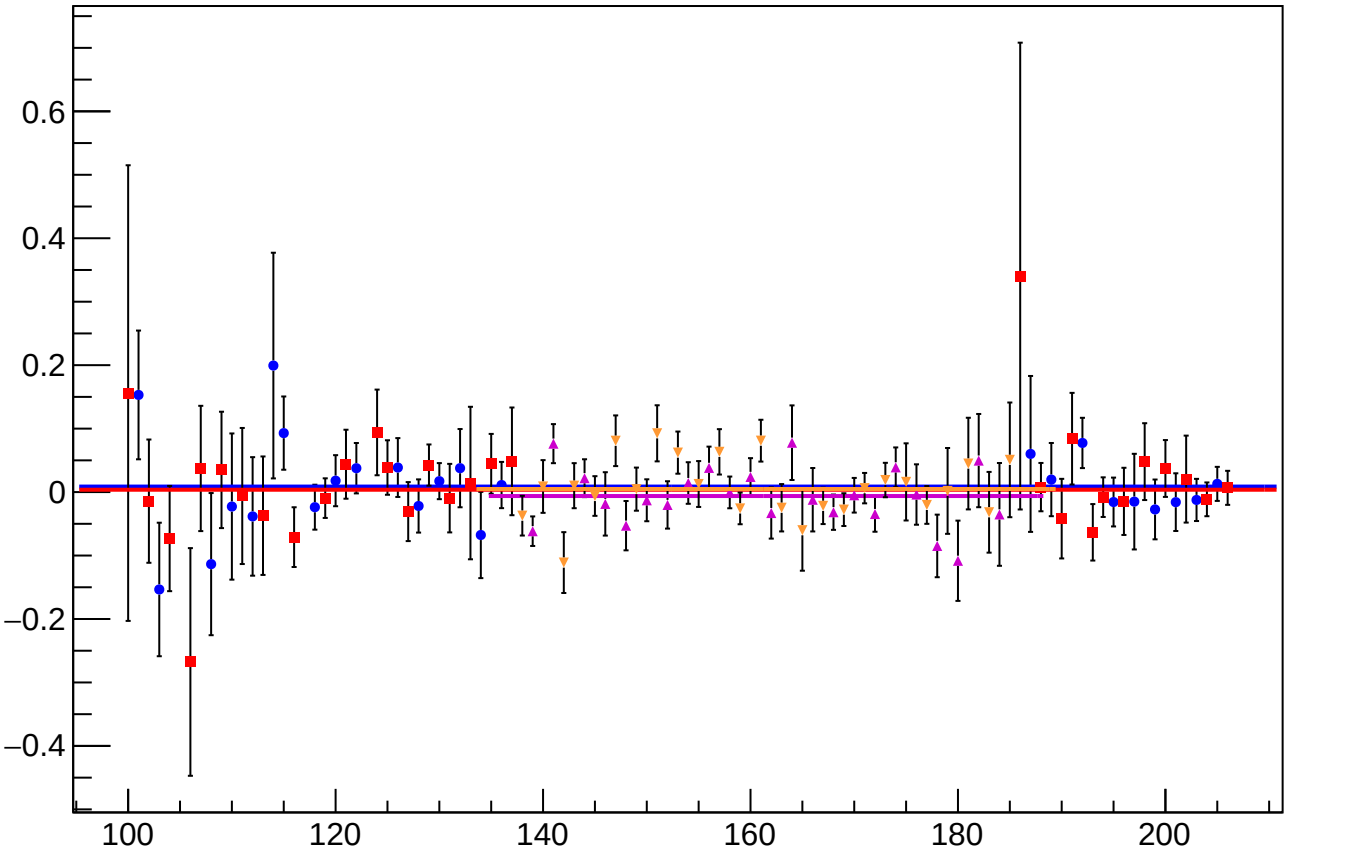
Right Out: 0.002+/-0.000 χ^2/NDF: 6769643.0/30

Left In: 0.001+/-0.000 χ^2/NDF:8291862.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 17150858.1/49

All: 0.001+/-0.000 χ^2/NDF: 34237833.0/103

- sign 0.001+/-0.000 χ^2/NDF: 16912012.9/53



Right In: 0.009+/-0.009 χ^2/NDF: 18.2/24

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

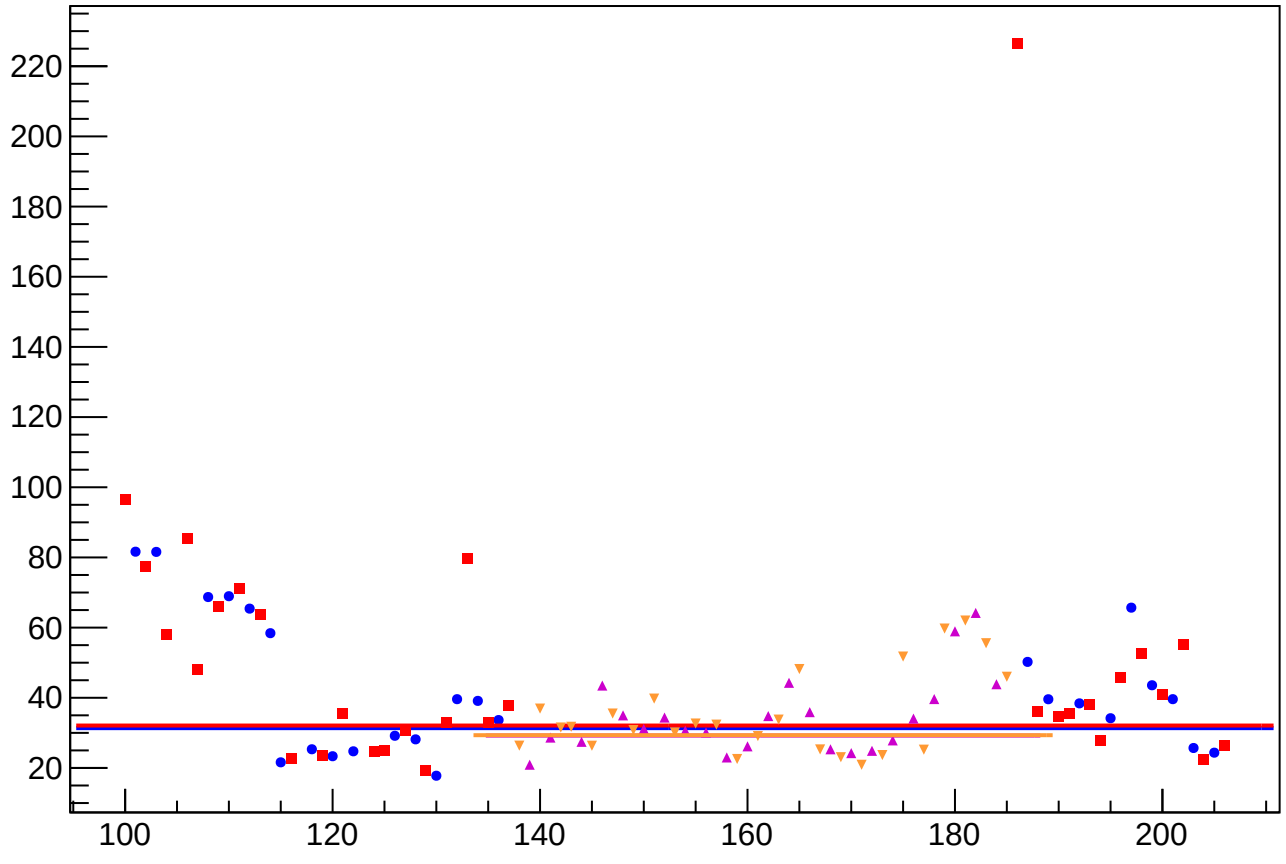
Right Out: 0.004+/-0.009 χ^2/NDF: 19.2/30

Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 52.2/49

All: 0.002+/-0.004 χ^2/NDF: 104.3/103

- sign -0.002+/-0.006 χ^2/NDF: 50.9/53



Right In: 31.345+/-0.007 χ^2/NDF: 3457971.6/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

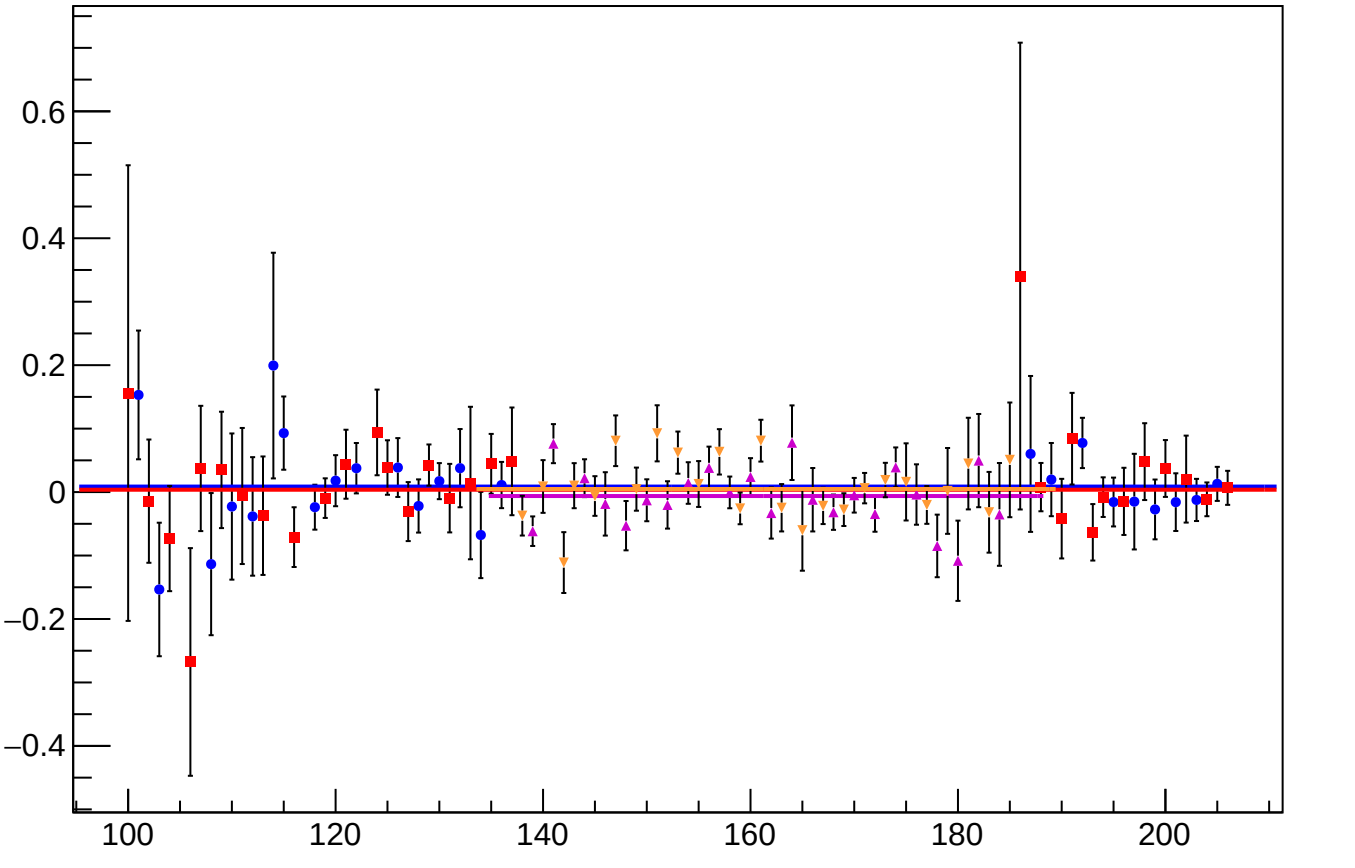
Right Out: 32.090+/-0.006 χ^2/NDF: 4351200.8/30

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.072+/-0.004 χ^2/NDF: 6203565.6/49

All: 30.219+/-0.003 χ^2/NDF: 12778749.5/103

- sign 30.365+/-0.004 χ^2/NDF: 6572487.8/53



Right In: 0.009+/-0.009 χ^2/NDF: 18.2/24

Left Out: 0.005+/-0.007 χ^2/NDF:34.0/24

Right Out: 0.004+/-0.009 χ^2/NDF: 19.2/30

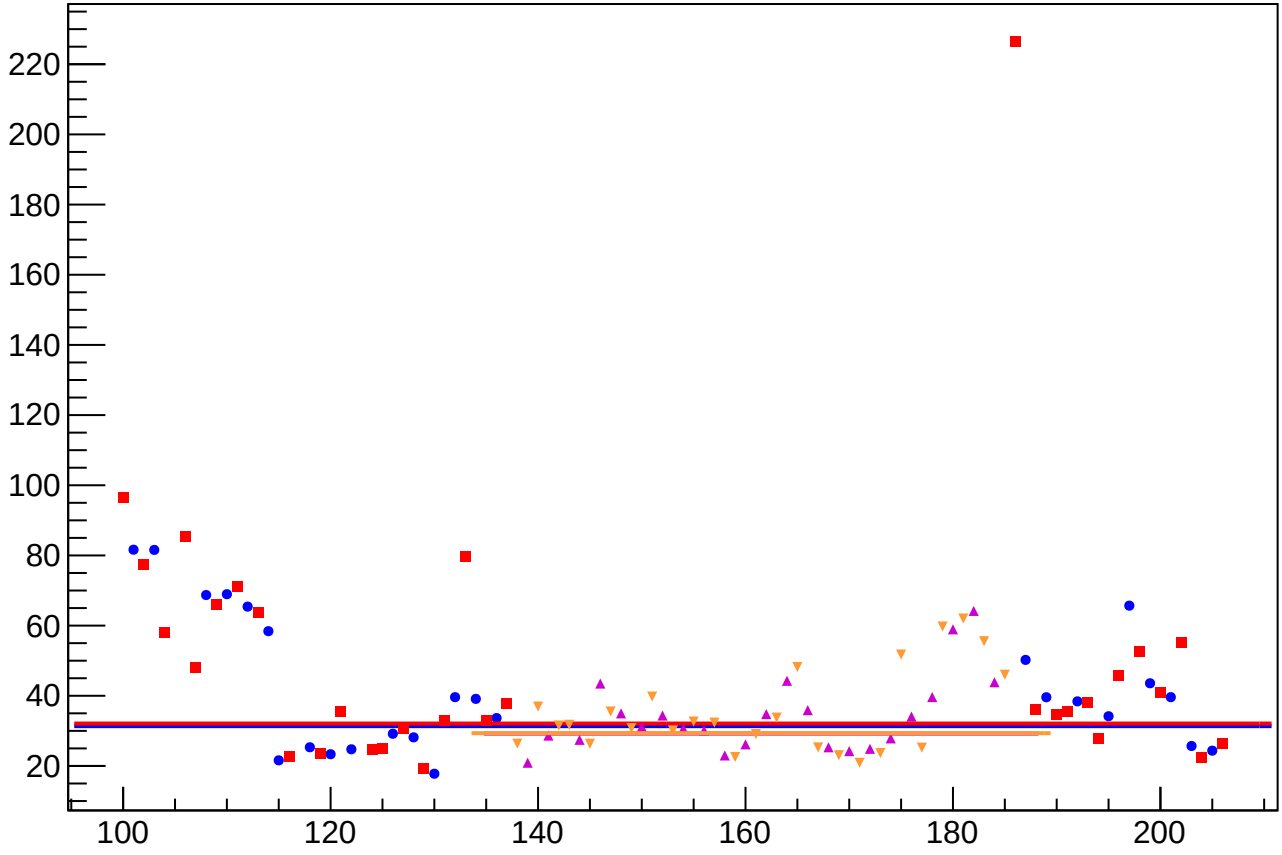
Left In: -0.006+/-0.007 χ^2/NDF:31.0/22

+ sign 0.006+/-0.006 χ^2/NDF: 52.2/49

All: 0.002+/-0.004 χ^2/NDF: 104.3/103

- sign -0.002+/-0.006 χ^2/NDF: 50.9/53

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 31.345+/-0.007 χ^2/NDF: 3457971.6/24

Left Out: 29.338+/-0.005 χ^2/NDF:2687200.3/24

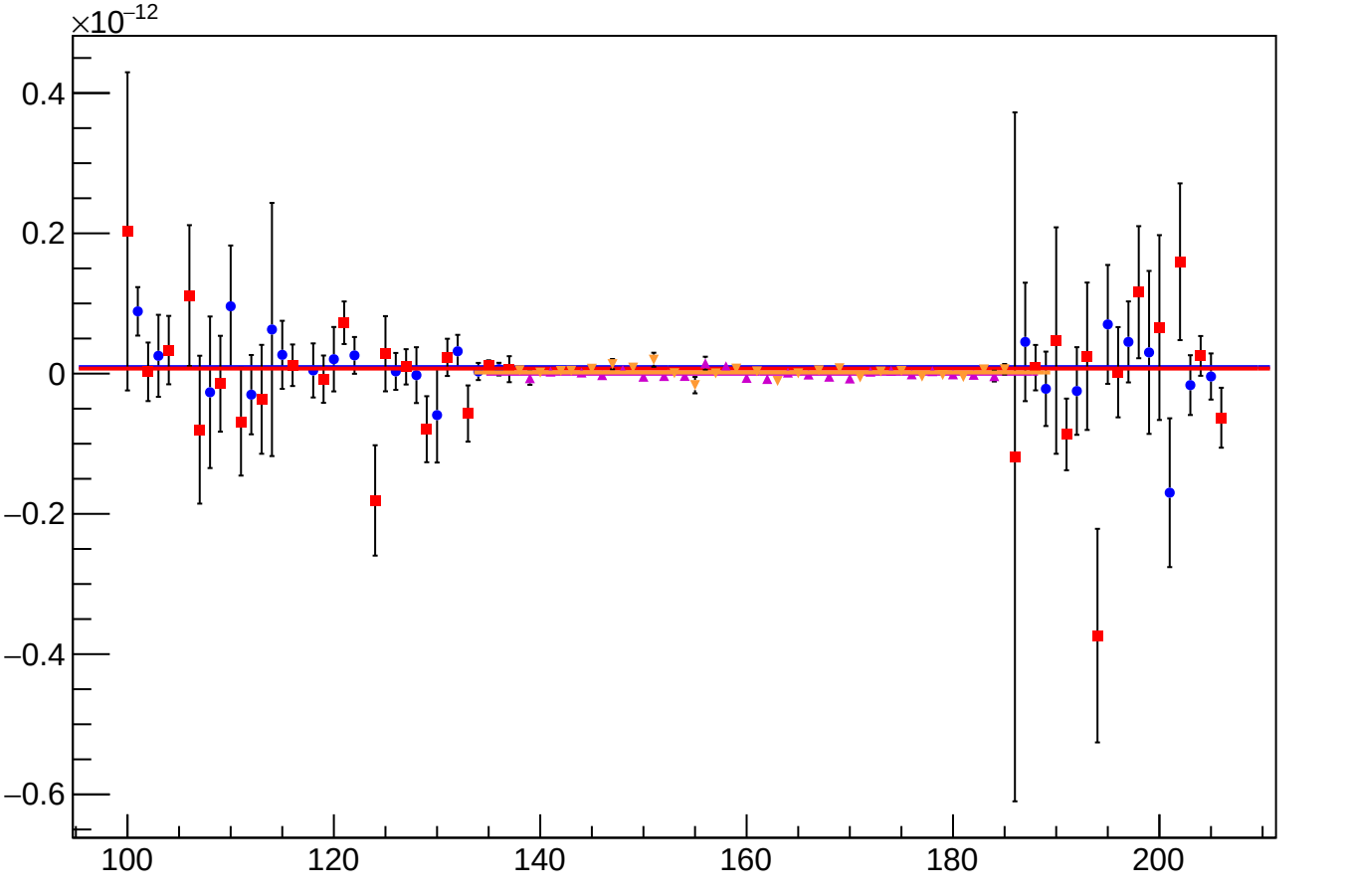
Right Out: 32.090+/-0.006 χ^2/NDF: 4351200.8/30

Left In: 29.227+/-0.005 χ^2/NDF:2097621.4/22

+ sign 30.072+/-0.004 χ^2/NDF: 6203565.6/49

All: 30.219+/-0.003 χ^2/NDF: 12778749.5/103

- sign 30.365+/-0.004 χ^2/NDF: 6572487.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 15.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:35.0/24

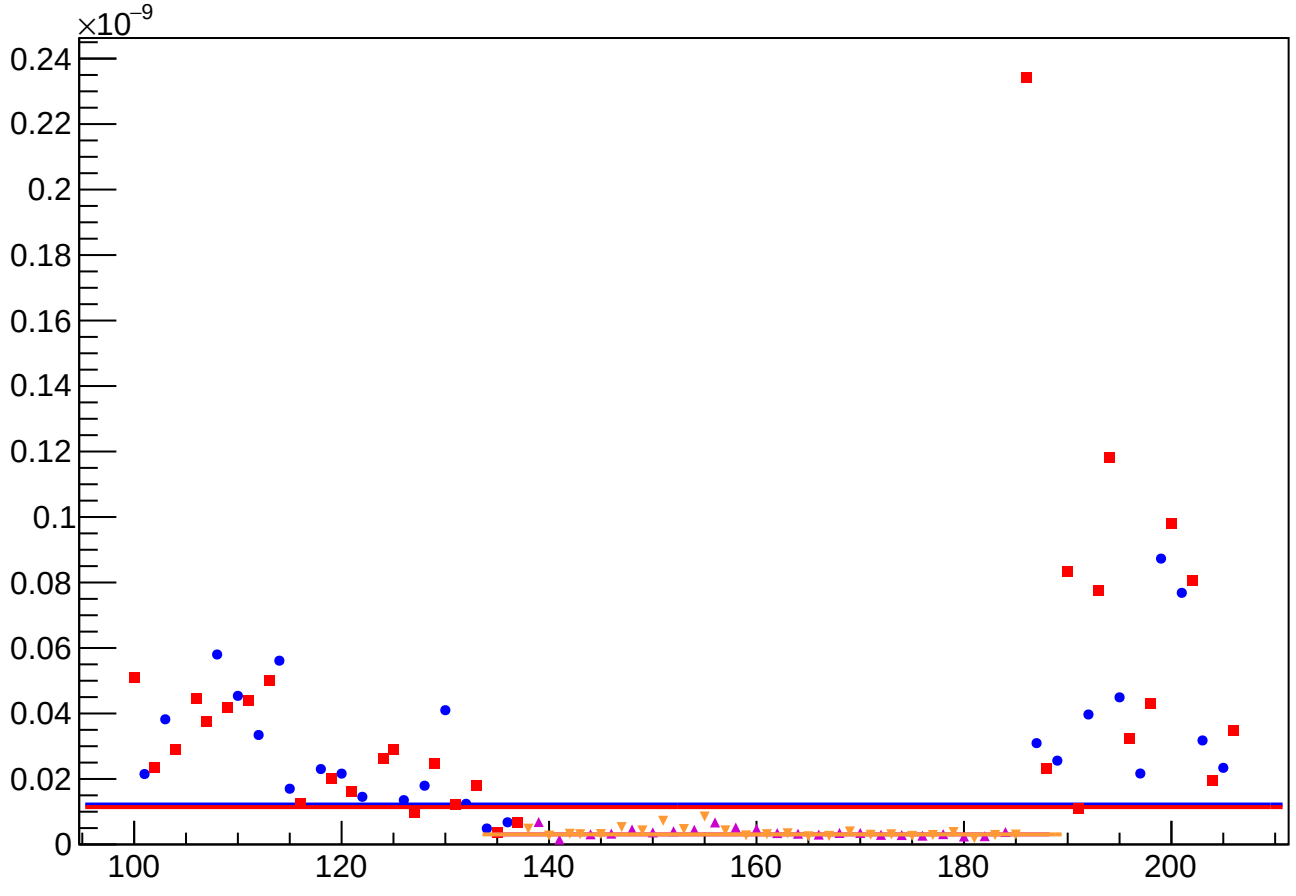
Right Out: 0.000+/-0.000 χ^2/NDF: 37.8/30

Left In: -0.000+/-0.000 χ^2/NDF:18.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 52.0/49

All: 0.000+/-0.000 χ^2/NDF: 111.9/103

- sign -0.000+/-0.000 χ^2/NDF: 58.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 6922221.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:2024861.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10517128.9/30

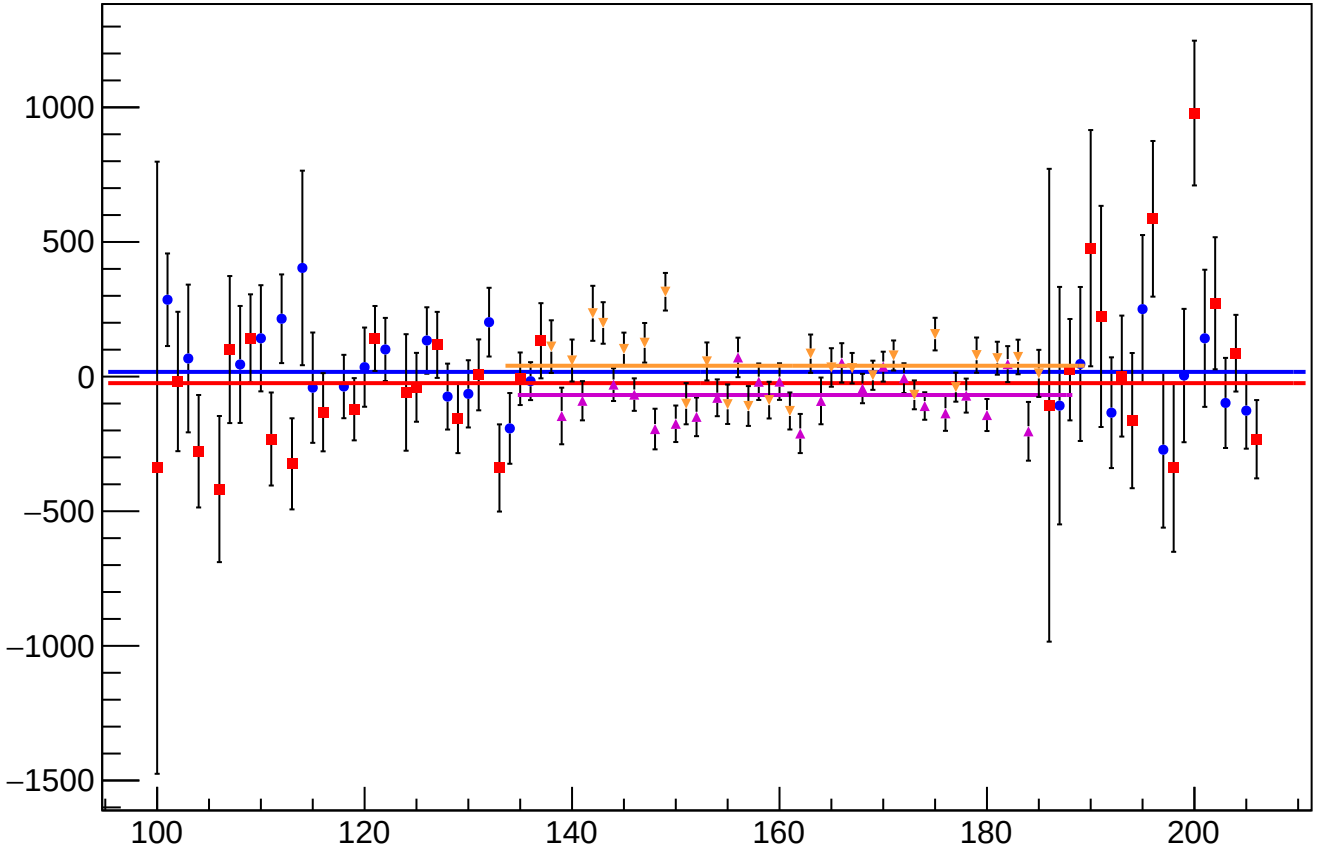
Left In: 0.000+/-0.000 χ^2/NDF:2149738.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 13907462.0/49

All: 0.000+/-0.000 χ^2/NDF: 30926476.5/103

- sign 0.000+/-0.000 χ^2/NDF: 17018944.4/53

reg_asym_sam_3726_avg_mean vs Slug



Right In: 17.483+/-30.787 χ^2/NDF: 17.1/24

Left Out: 40.342+/-13.402 χ^2/NDF:59.4/24

Right Out: -24.294+/-30.878 χ^2/NDF: 45.7/30

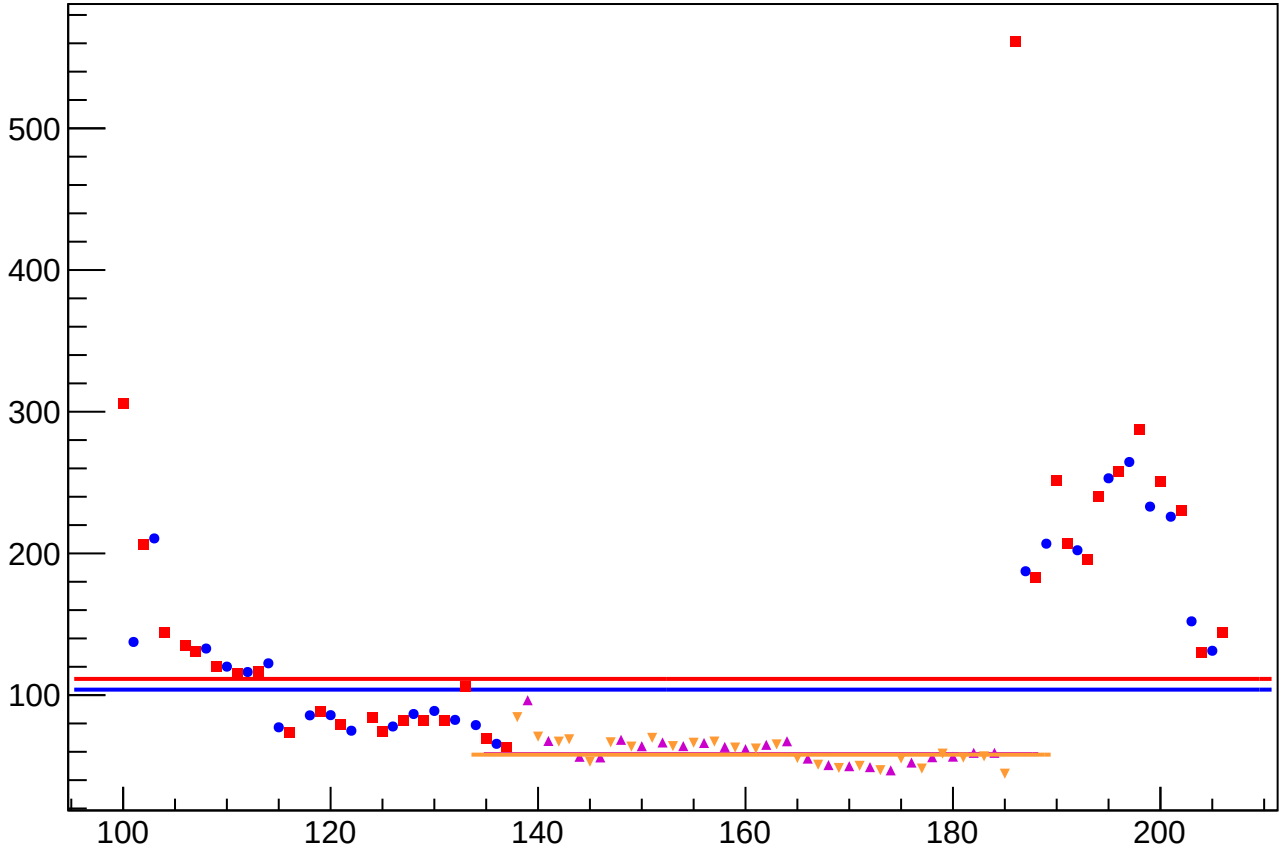
Left In: -68.344+/-13.866 χ^2/NDF:31.8/22

+ sign 36.701+/-12.288 χ^2/NDF: 77.0/49

All: -10.712+/-8.814 χ^2/NDF: 186.9/103

- sign -60.952+/-12.649 χ^2/NDF: 79.2/53

reg_asym_sam_3726_avg_rms vs Slug



Right In: 103.876+/-0.022 χ^2/NDF: 4793232.5/24

Left Out: 57.996+/-0.009 χ^2/NDF:807648.8/24

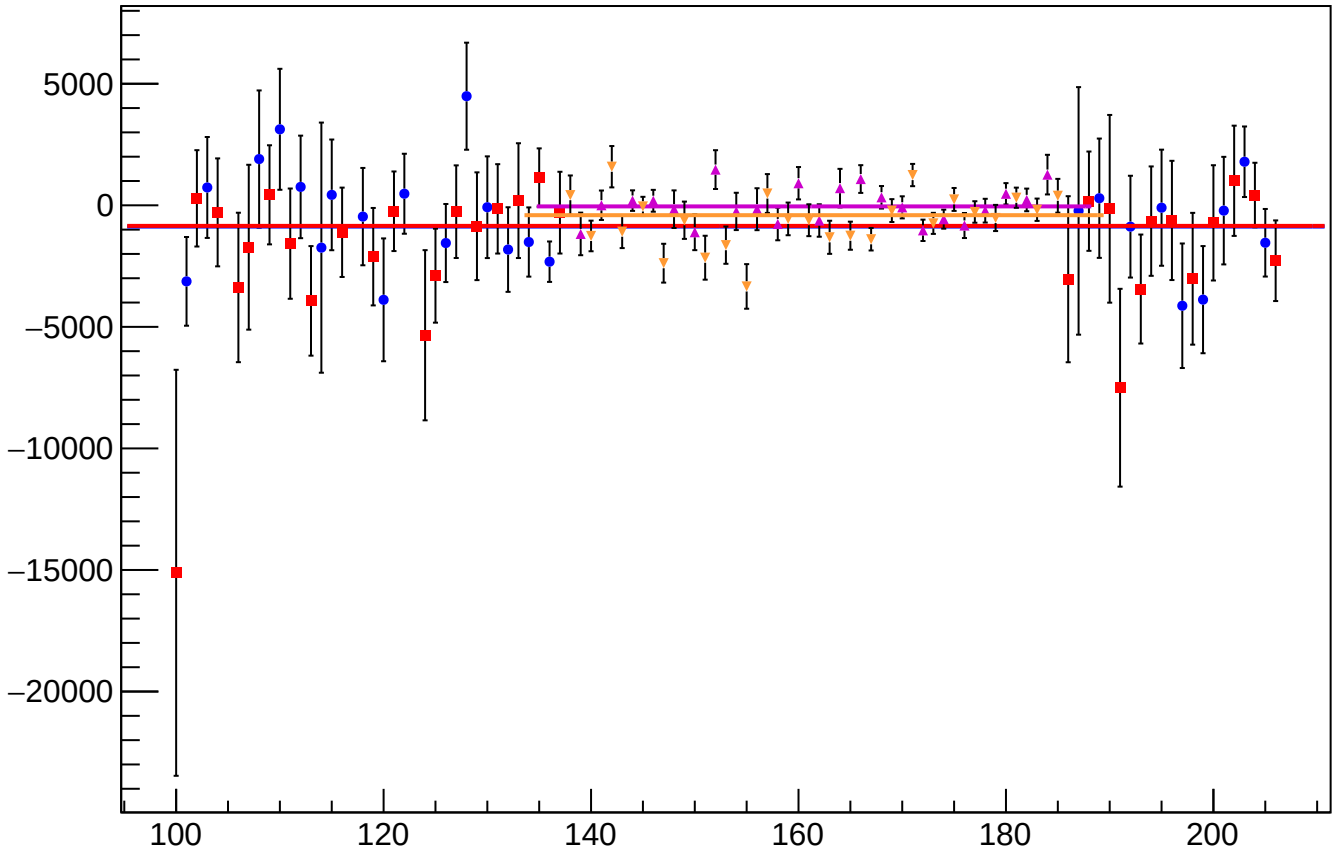
Right Out: 111.442+/-0.022 χ^2/NDF: 6112586.4/30

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 65.305+/-0.009 χ^2/NDF: 9334976.8/49

All: 66.273+/-0.006 χ^2/NDF: 21120236.8/103

- sign 67.299+/-0.009 χ^2/NDF: 11759686.5/53



Right In: -873.249+/-369.926 χ^2/NDF: 26.1/24

Left Out: -406.322+/-113.468 χ^2/NDF:63.2/24

Right Out: -846.286+/-377.313 χ^2/NDF: 20.8/30

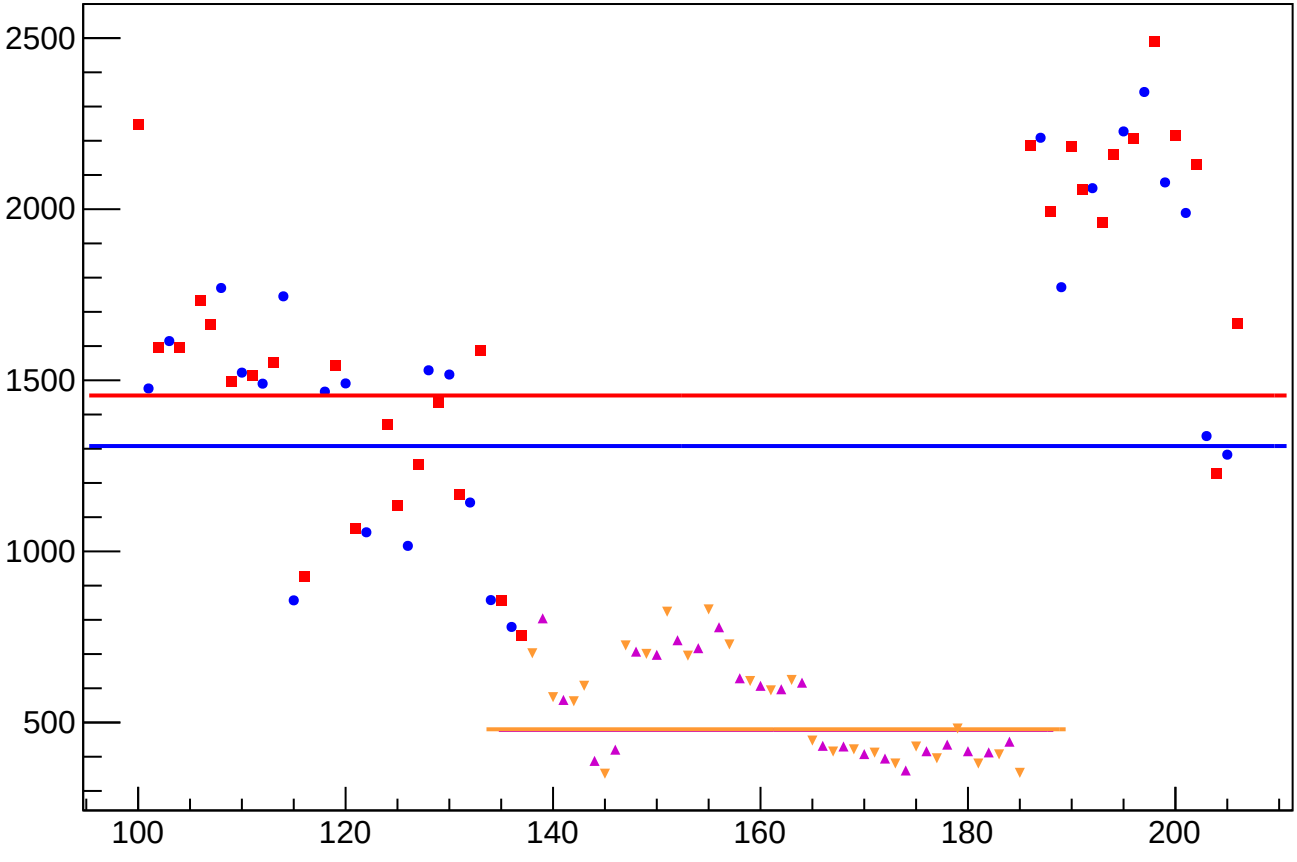
Left In: -44.831+/-115.765 χ^2/NDF:31.1/22

+ sign -446.474+/-108.479 χ^2/NDF: 90.7/49

All: -283.460+/-77.470 χ^2/NDF: 151.3/103

- sign -113.785+/-110.673 χ^2/NDF: 55.9/53

asym_sam_3726_avg_reg_correction_rms vs Slug



Right In: 1307.886+/-0.262 χ^2/NDF: 2891505.5/24

Left Out: 480.162+/-0.080 χ^2/NDF:2582213.9/24

Right Out: 1455.621+/-0.267 χ^2/NDF: 2923641.1/30

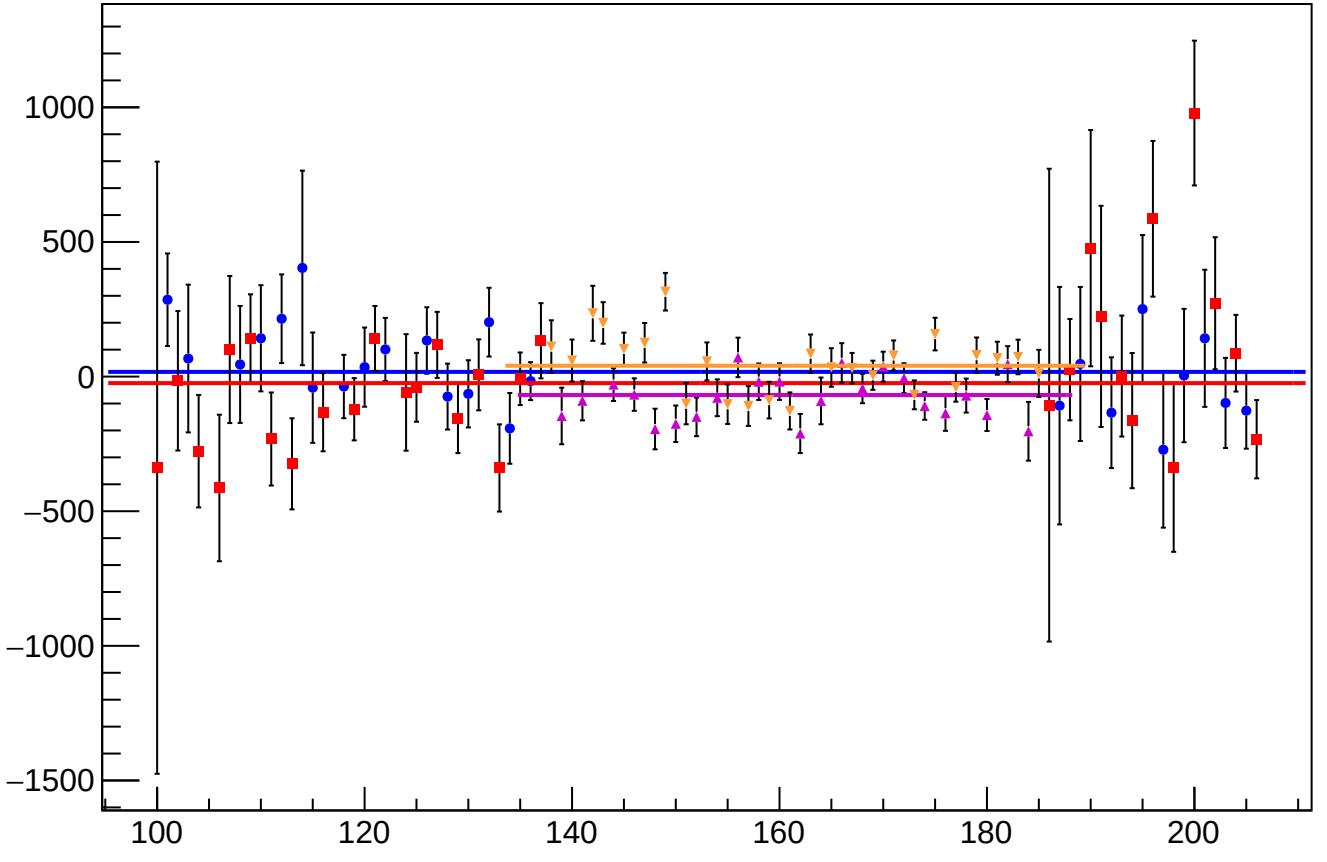
Left In: 478.084+/-0.082 χ^2/NDF:2215520.4/22

+ sign 551.340+/-0.077 χ^2/NDF: 14625804.8/49

All: 556.655+/-0.055 χ^2/NDF: 32044128.9/10

- sign 562.187+/-0.078 χ^2/NDF: 17408526.6/53

cor_asym_sam_3726_avg_mean vs Slug



Right In: 17.474+/-30.787 χ^2/NDF: 17.1/24

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -24.176+/-30.879 χ^2/NDF: 45.7/30

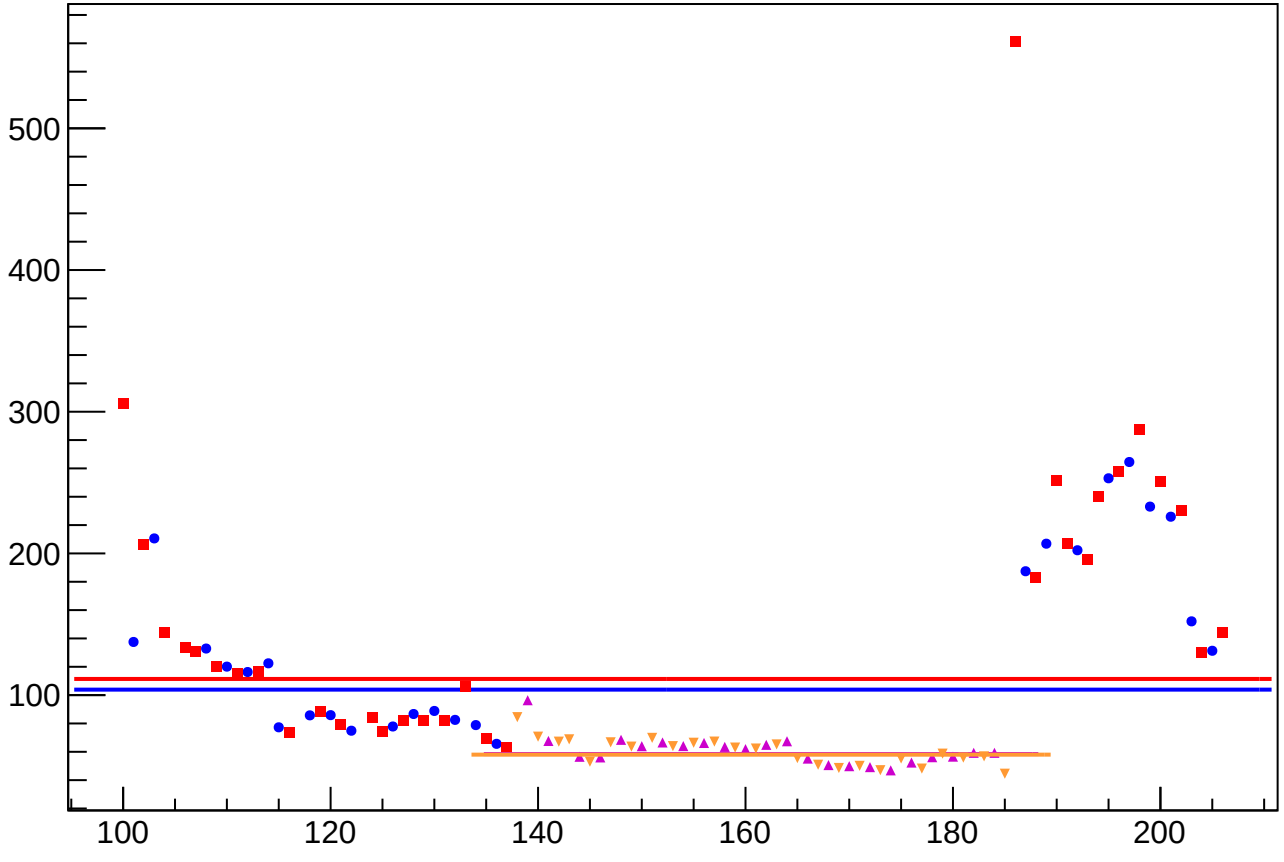
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 36.701+/-12.288 χ^2/NDF: 77.0/49

All: -10.701+/-8.814 χ^2/NDF: 186.8/103

- sign -60.932+/-12.649 χ^2/NDF: 79.1/53

cor_asym_sam_3726_avg_rms vs Slug



Right In: 103.876+/-0.022 χ^2/NDF: 4793235.5/24

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

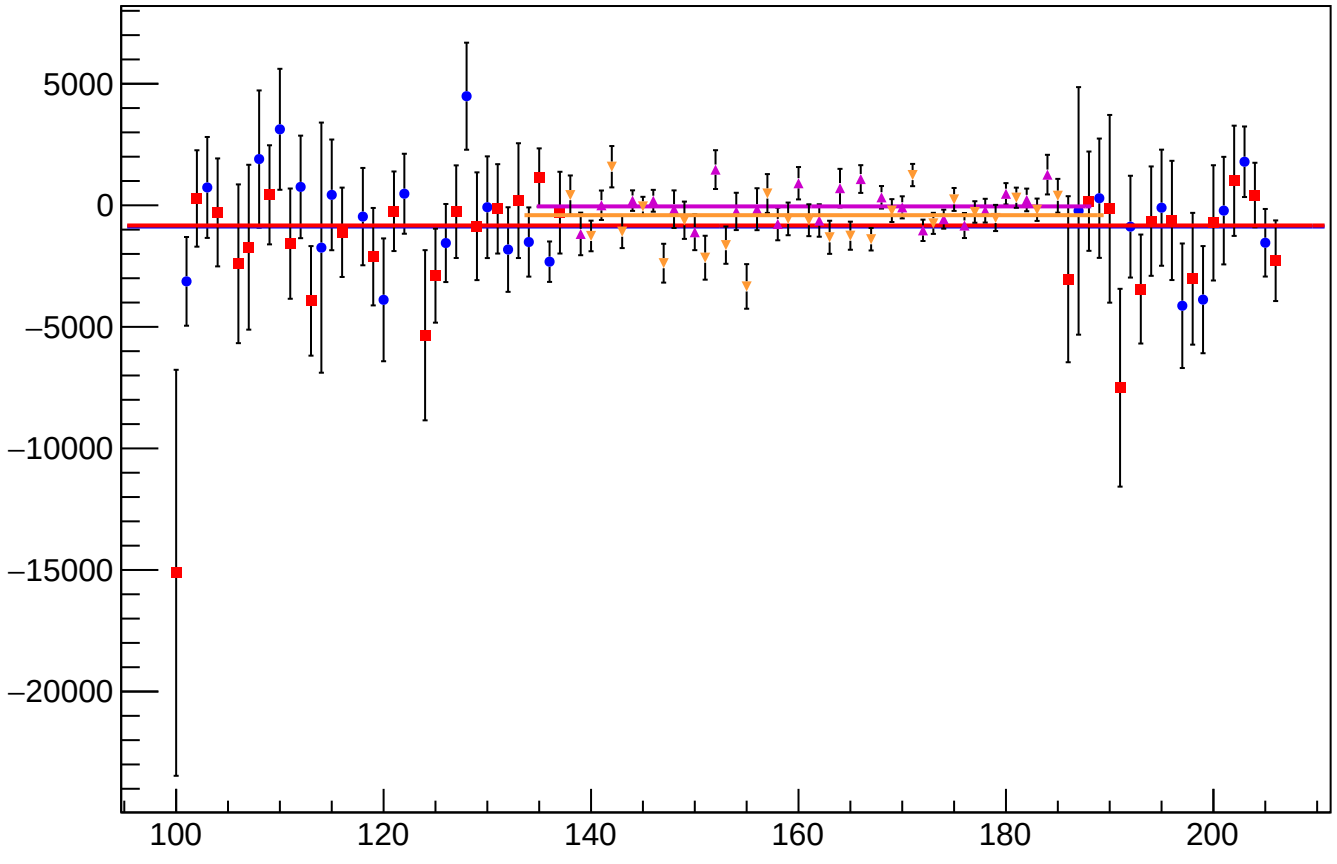
Right Out: 111.415+/-0.022 χ^2/NDF: 6110401.1/30

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 65.305+/-0.009 χ^2/NDF: 9334979.0/49

All: 66.270+/-0.006 χ^2/NDF: 21112516.6/103

- sign 67.293+/-0.009 χ^2/NDF: 11752098.8/53



Right In: -873.225+/-369.927 χ^2/NDF: 26.1/24

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

Right Out: -829.189+/-377.647 χ^2/NDF: 20.3/30

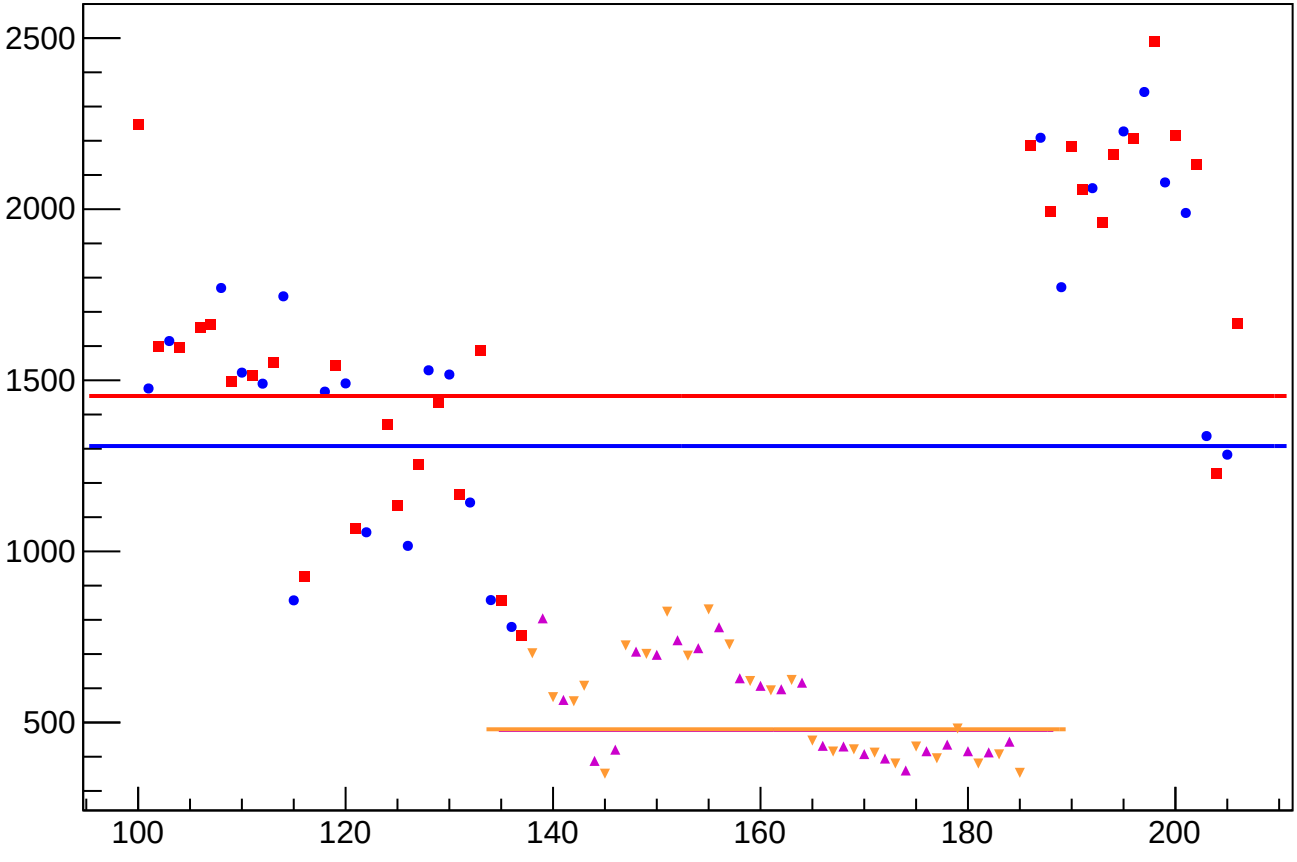
Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -446.470+/-108.479 χ^2/NDF: 90.7/49

All: -282.696+/-77.473 χ^2/NDF: 150.7/103

- sign -112.204+/-110.681 χ^2/NDF: 55.3/53

asym_sam_3726_avg_cor_correction_rms vs Slug



Right In: 1307.888+/-0.262 χ^2/NDF: 2891536.0/24

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

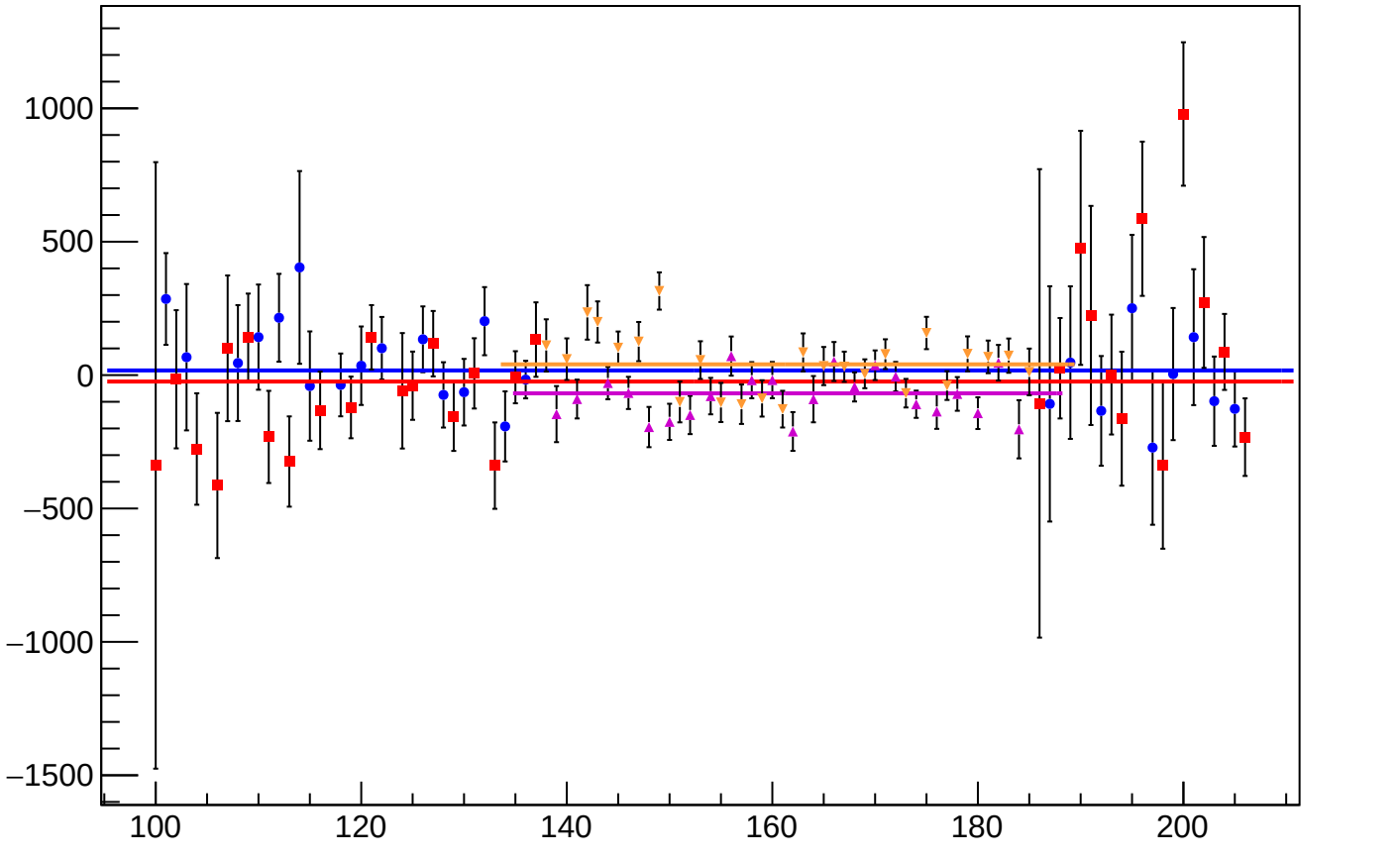
Right Out: 1454.135+/-0.267 χ^2/NDF: 2914911.8/30

Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 551.340+/-0.077 χ^2/NDF: 14625833.7/49

All: 556.525+/-0.055 χ^2/NDF: 31977899.1/10

- sign 561.923+/-0.078 χ^2/NDF: 17342738.5/53



Right In: 17.474+/-30.787 χ^2/NDF: 17.1/24

Left Out: 40.344+/-13.402 χ^2/NDF:59.4/24

Right Out: -24.176+/-30.879 χ^2/NDF: 45.7/30

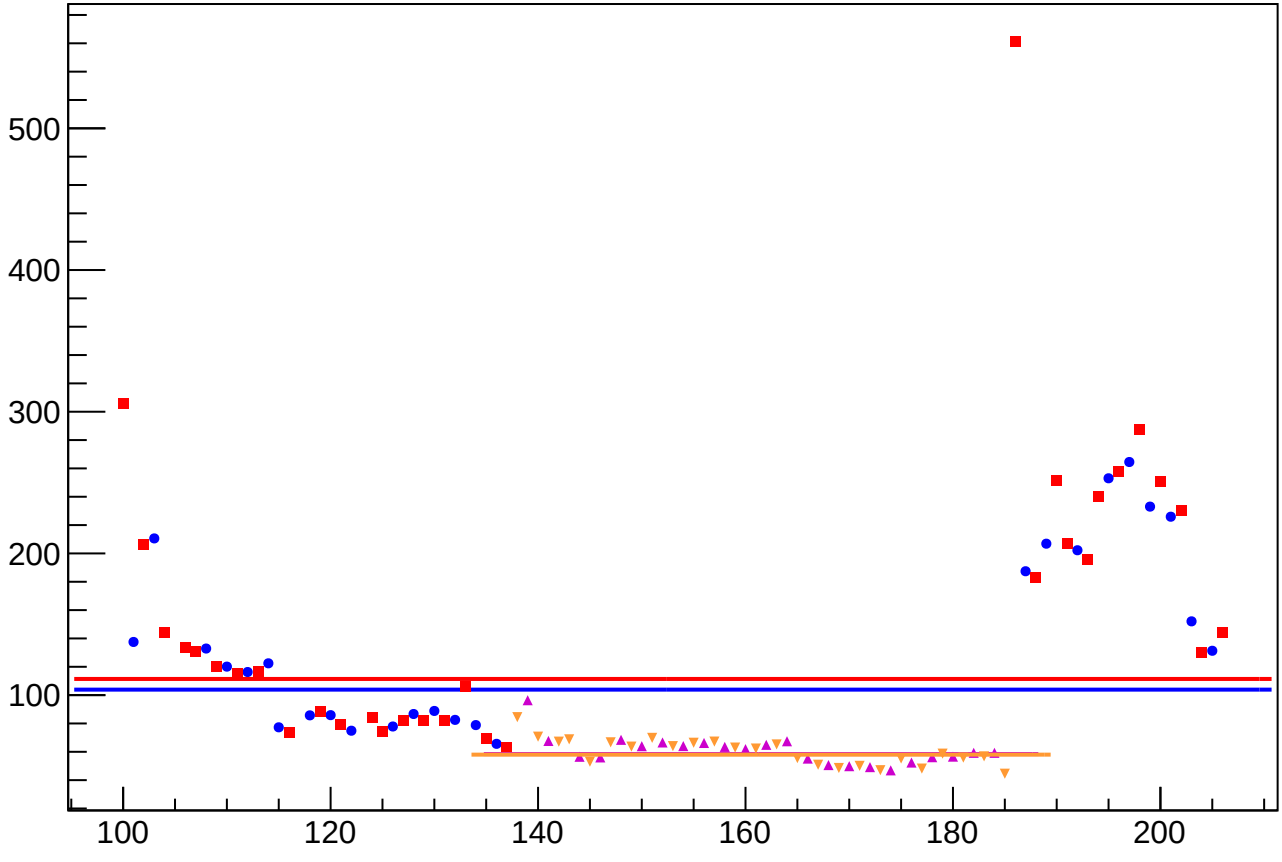
Left In: -68.343+/-13.866 χ^2/NDF:31.7/22

+ sign 36.701+/-12.288 χ^2/NDF: 77.0/49

All: -10.701+/-8.814 χ^2/NDF: 186.8/103

- sign -60.932+/-12.649 χ^2/NDF: 79.1/53

eigen_cor_asym_sam_3726_avg_rms vs Slug



Right In: 103.876+/-0.022 χ^2/NDF: 4793235.5/24

Left Out: 57.996+/-0.009 χ^2/NDF:807648.7/24

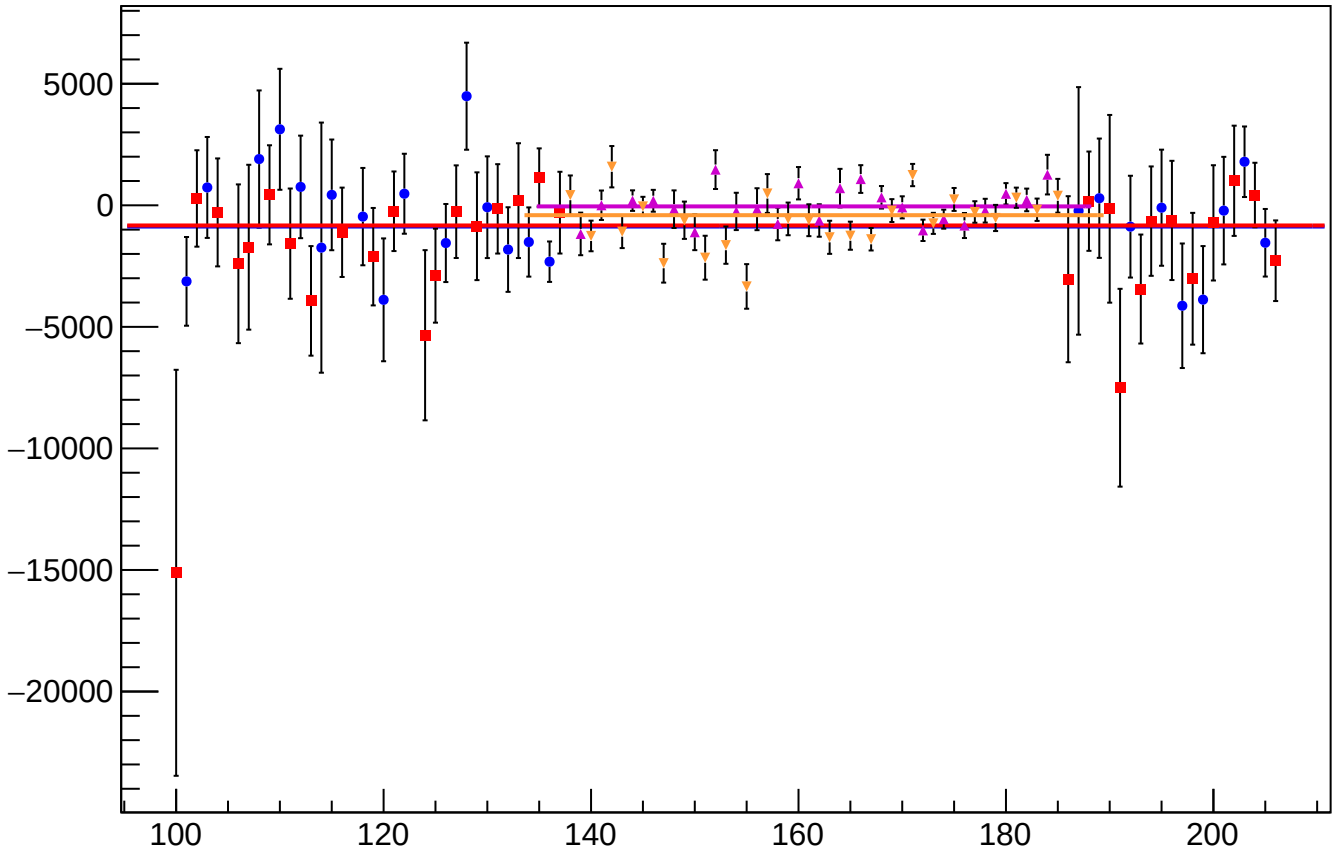
Right Out: 111.415+/-0.022 χ^2/NDF: 6110401.1/30

Left In: 58.397+/-0.010 χ^2/NDF:735208.2/22

+ sign 65.305+/-0.009 χ^2/NDF: 9334979.0/49

All: 66.270+/-0.006 χ^2/NDF: 21112516.6/103

- sign 67.293+/-0.009 χ^2/NDF: 11752098.8/53



Right In: -873.225+/-369.927 χ^2/NDF: 26.1/24

Left Out: -406.320+/-113.468 χ^2/NDF:63.2/24

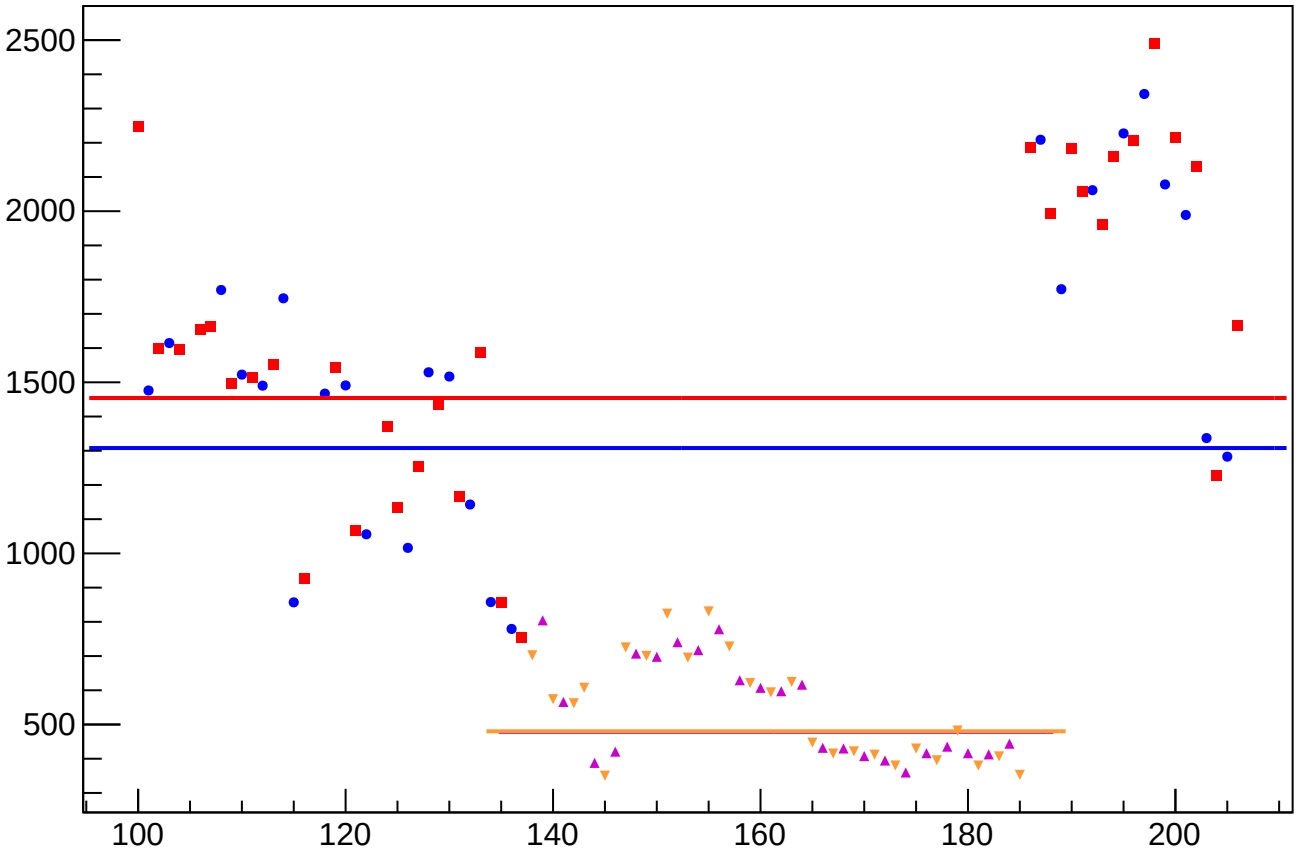
Right Out: -829.189+/-377.647 χ^2/NDF: 20.3/30

Left In: -44.830+/-115.765 χ^2/NDF:31.1/22

+ sign -446.470+/-108.479 χ^2/NDF: 90.7/49

All: -282.696+/-77.473 χ^2/NDF: 150.7/103

- sign -112.204+/-110.681 χ^2/NDF: 55.3/53



Right In: 1307.888+/-0.262 χ^2/NDF: 2891536.0/24

Left Out: 480.162+/-0.080 χ^2/NDF:2582209.1/24

Right Out: 1454.135+/-0.267 χ^2/NDF: 2914911.8/30

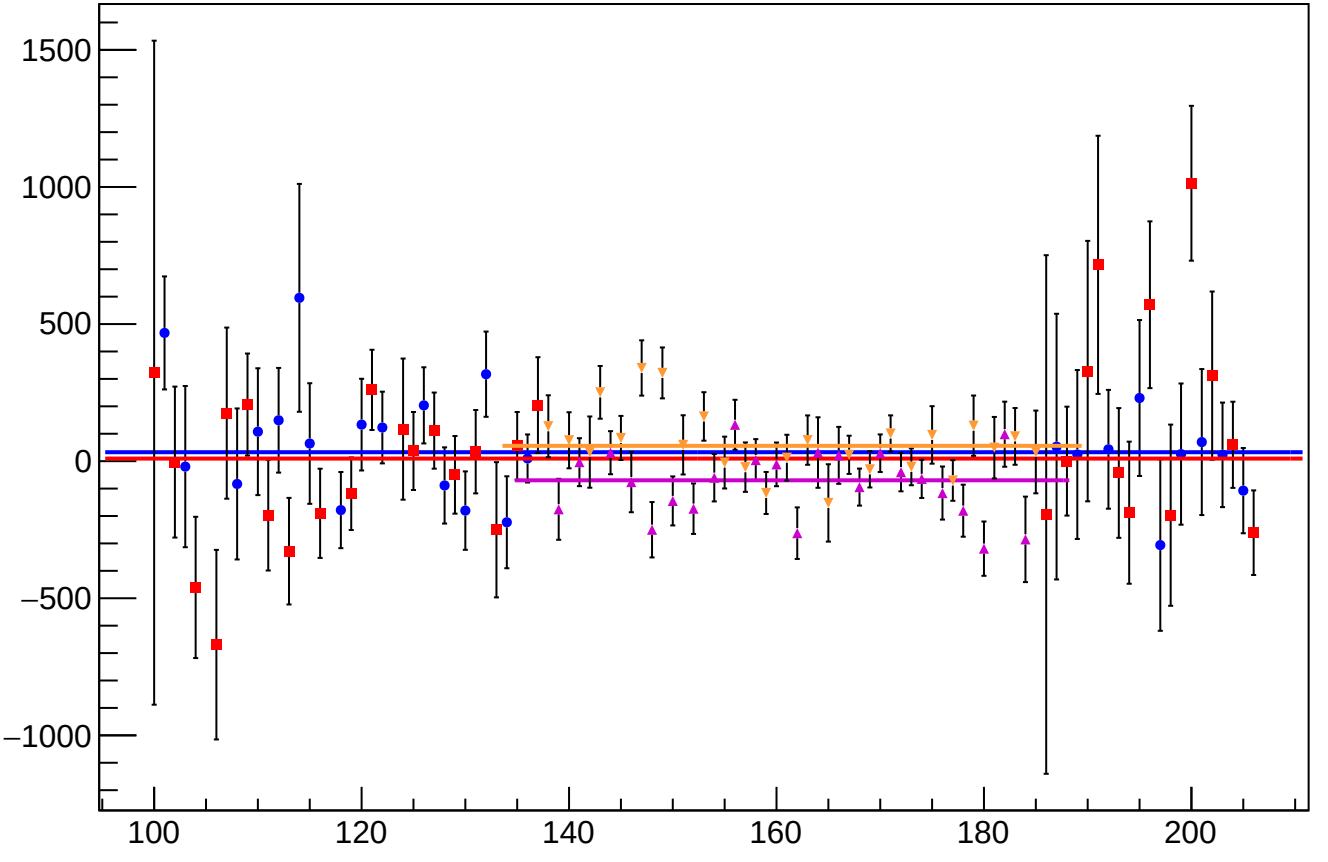
Left In: 478.084+/-0.082 χ^2/NDF:2215518.9/22

+ sign 551.340+/-0.077 χ^2/NDF: 14625833.7/49

All: 556.525+/-0.055 χ^2/NDF: 31977899.1/10

- sign 561.923+/-0.078 χ^2/NDF: 17342738.5/53

dit_asym_sam_3726_avg_mean vs Slug



Right In: 32.647+/-35.728 χ^2/NDF: 22.9/24

Left Out: 55.949+/-17.949 χ^2/NDF:38.3/24

Right Out: 9.420+/-35.646 χ^2/NDF: 45.5/30

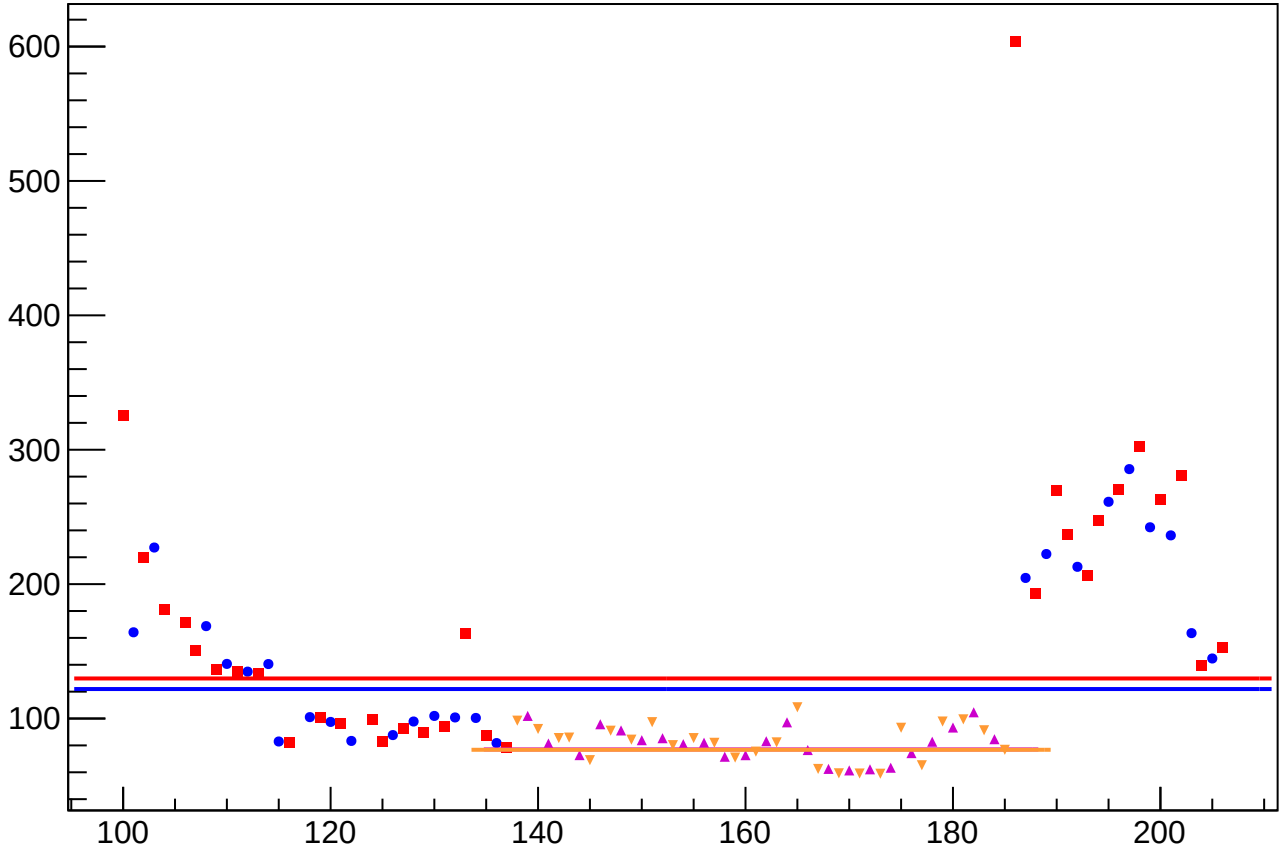
Left In: -69.844+/-18.497 χ^2/NDF:34.5/22

+ sign 51.253+/-16.039 χ^2/NDF: 61.5/49

All: 0.329+/-11.473 χ^2/NDF: 166.1/103

- sign -53.029+/-16.418 χ^2/NDF: 83.9/53

dit_asym_sam_3726_avg_rms vs Slug



Right In: 121.940+/-0.025 χ^2/NDF: 4056964.9/24

Left Out: 76.744+/-0.013 χ^2/NDF:1234629.1/24

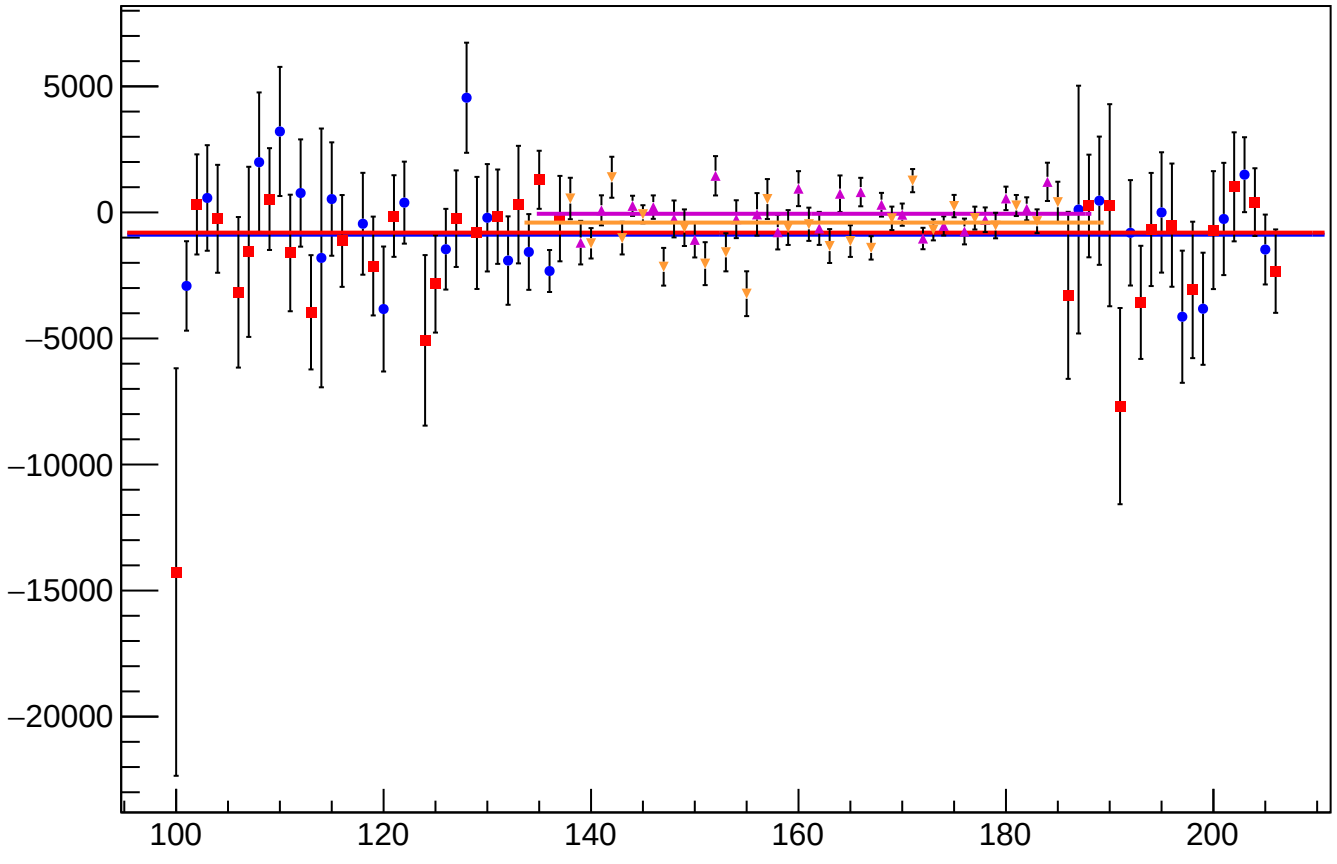
Right Out: 129.806+/-0.025 χ^2/NDF: 5426991.4/30

Left In: 77.018+/-0.013 χ^2/NDF:858871.7/22

+ sign 85.852+/-0.011 χ^2/NDF: 7847137.6/49

All: 87.006+/-0.008 χ^2/NDF: 17609805.6/103

- sign 88.216+/-0.012 χ^2/NDF: 9741451.8/53



Right In: -883.372+/-372.035 χ^2/NDF: 25.1/24

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -802.170+/-374.269 χ^2/NDF: 22.2/30

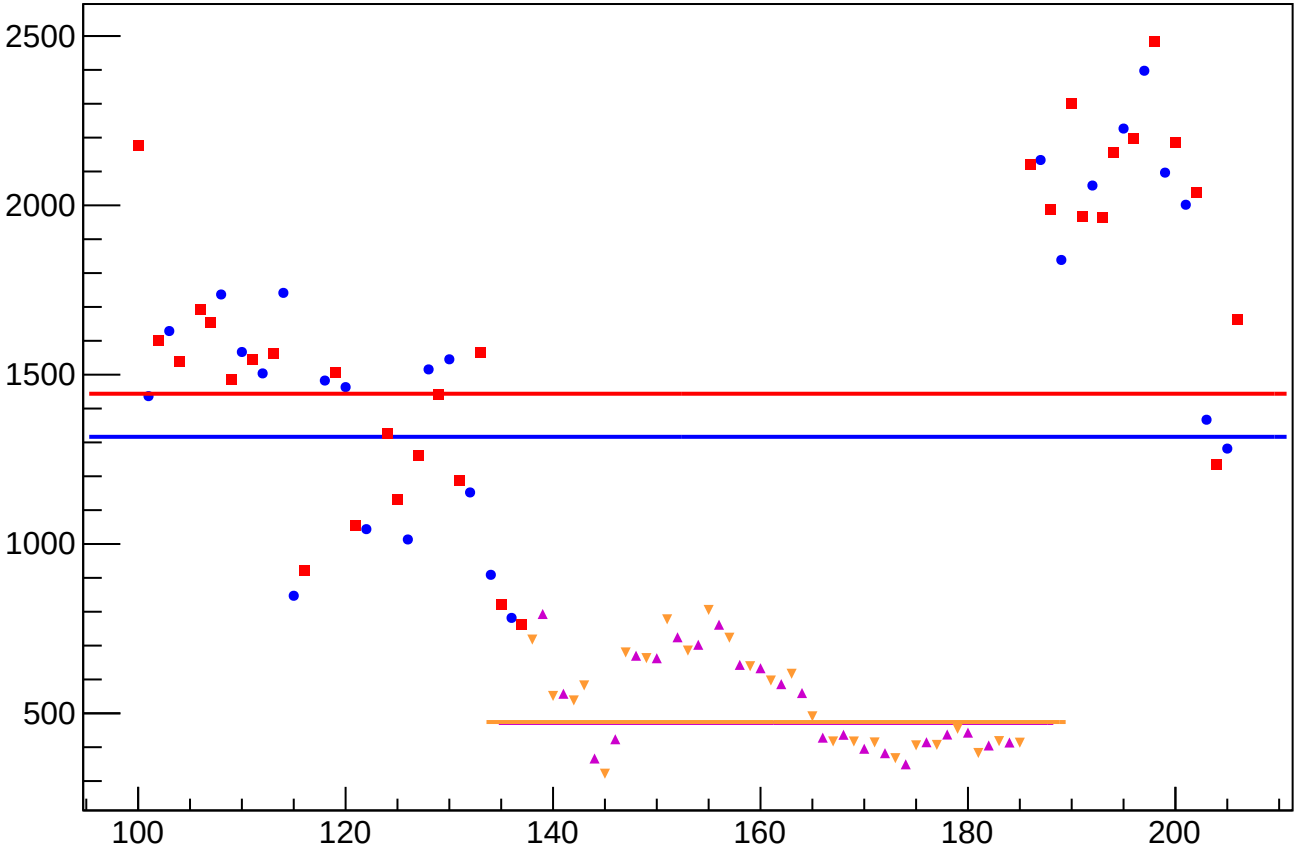
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

\+ sign -443.114+/-107.046 χ^2/NDF: 87.3/49

All: -283.830+/-76.460 χ^2/NDF: 148.4/103

\- sign -117.923+/-109.249 χ^2/NDF: 56.5/53

asym_sam_3726_avg_dit_correction_rms vs Slug



Right In: 1316.499+/-0.263 χ^2/NDF: 2874341.0/24

Left Out: 474.294+/-0.079 χ^2/NDF:2538995.4/24

Right Out: 1443.717+/-0.265 χ^2/NDF: 2954405.9/30

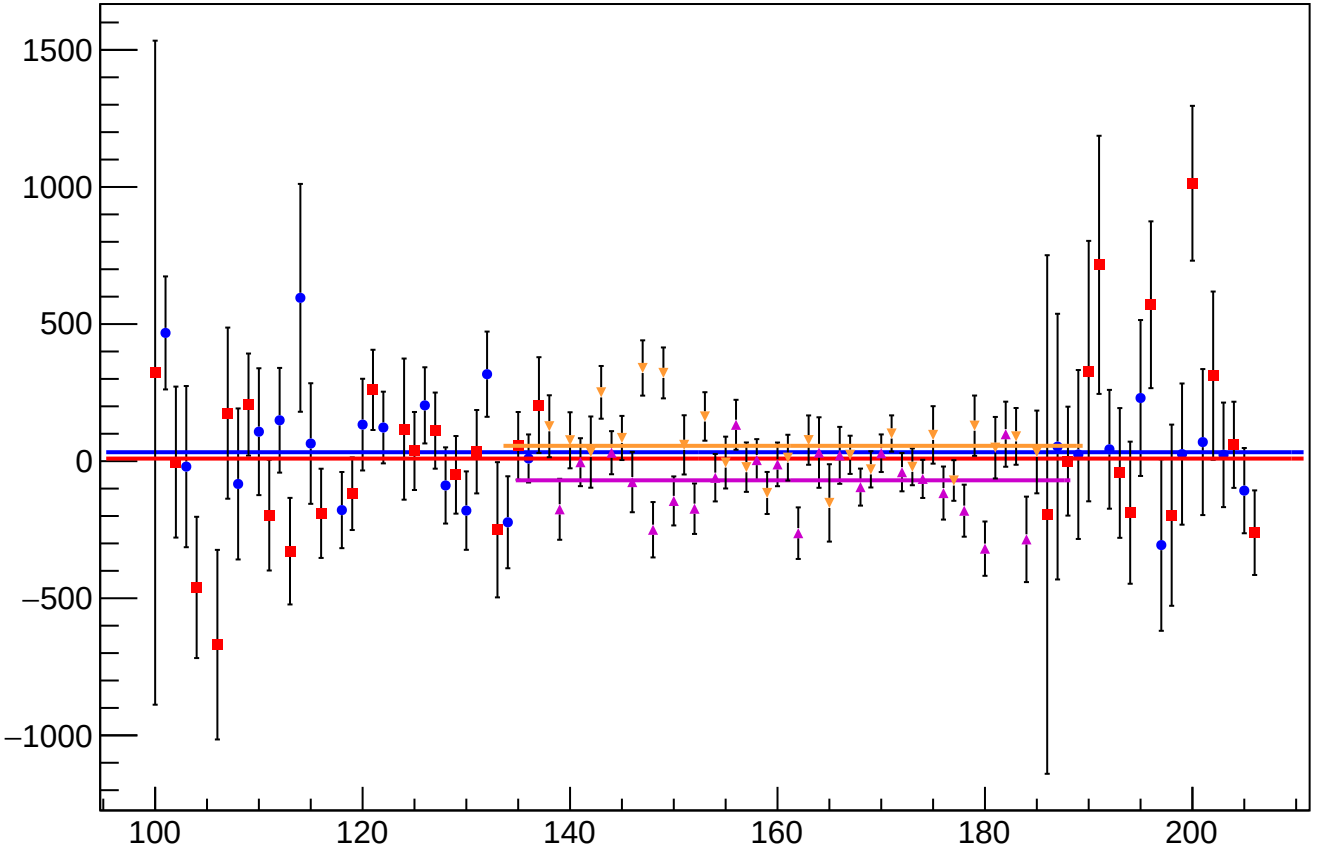
Left In: 471.456+/-0.081 χ^2/NDF:2209343.4/22

+ sign 544.020+/-0.076 χ^2/NDF: 14814211.9/49

All: 549.054+/-0.054 χ^2/NDF: 32333714.3/10

- sign 554.297+/-0.077 χ^2/NDF: 17510472.4/53

eigen_dit_asym_sam_3726_avg_mean vs Slug



Right In: 32.647+/-35.728 χ^2/NDF: 22.9/24

Left Out: 55.948+/-17.949 χ^2/NDF:38.3/24

Right Out: 9.422+/-35.646 χ^2/NDF: 45.5/30

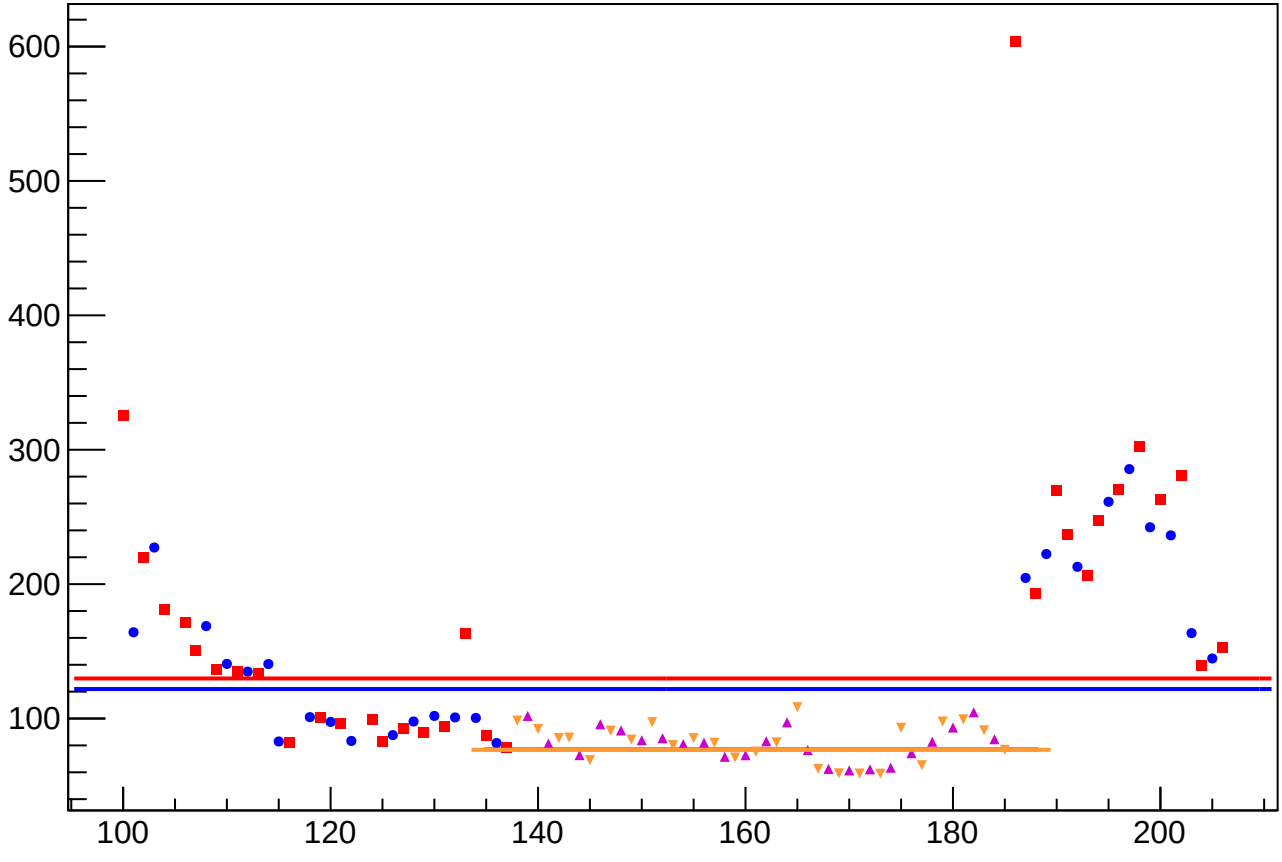
Left In: -69.843+/-18.497 χ^2/NDF:34.5/22

+ sign 51.252+/-16.039 χ^2/NDF: 61.5/49

All: 0.329+/-11.473 χ^2/NDF: 166.1/103

- sign -53.028+/-16.418 χ^2/NDF: 83.9/53

eigen_dit_asym_sam_3726_avg_rms vs Slug



Right In: 121.940+/-0.025 χ^2/NDF: 4056972.2/24

Left Out: 76.744+/-0.013 χ^2/NDF:1234627.7/24

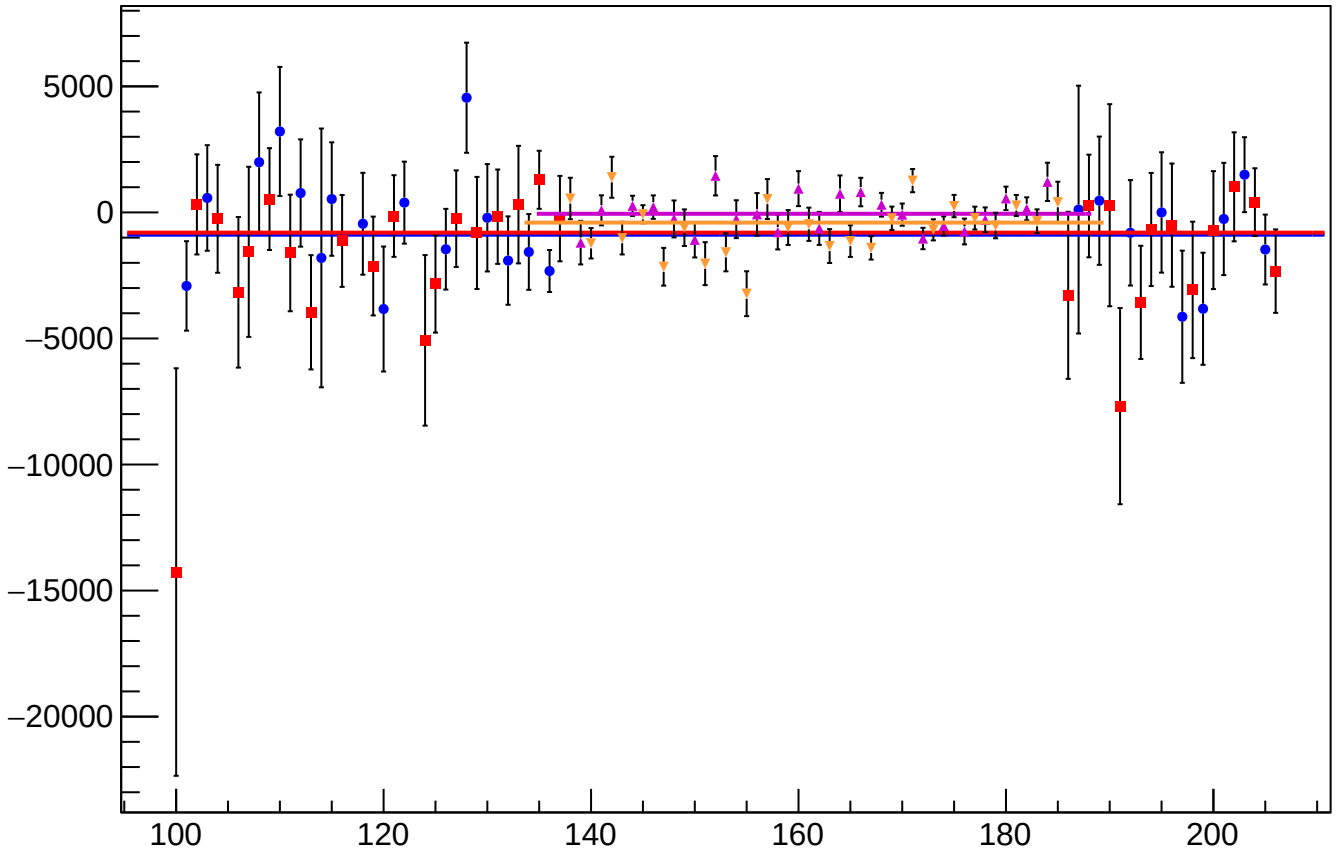
Right Out: 129.806+/-0.025 χ^2/NDF: 5427001.1/30

Left In: 77.018+/-0.013 χ^2/NDF:858863.2/22

+ sign 85.852+/-0.011 χ^2/NDF: 7847089.3/49

All: 87.007+/-0.008 χ^2/NDF: 17609706.6/103

- sign 88.216+/-0.012 χ^2/NDF: 9741400.4/53



Right In: -883.369+/-372.034 χ^2/NDF: 25.1/24

Left Out: -403.375+/-111.773 χ^2/NDF:60.7/24

Right Out: -802.171+/-374.269 χ^2/NDF: 22.2/30

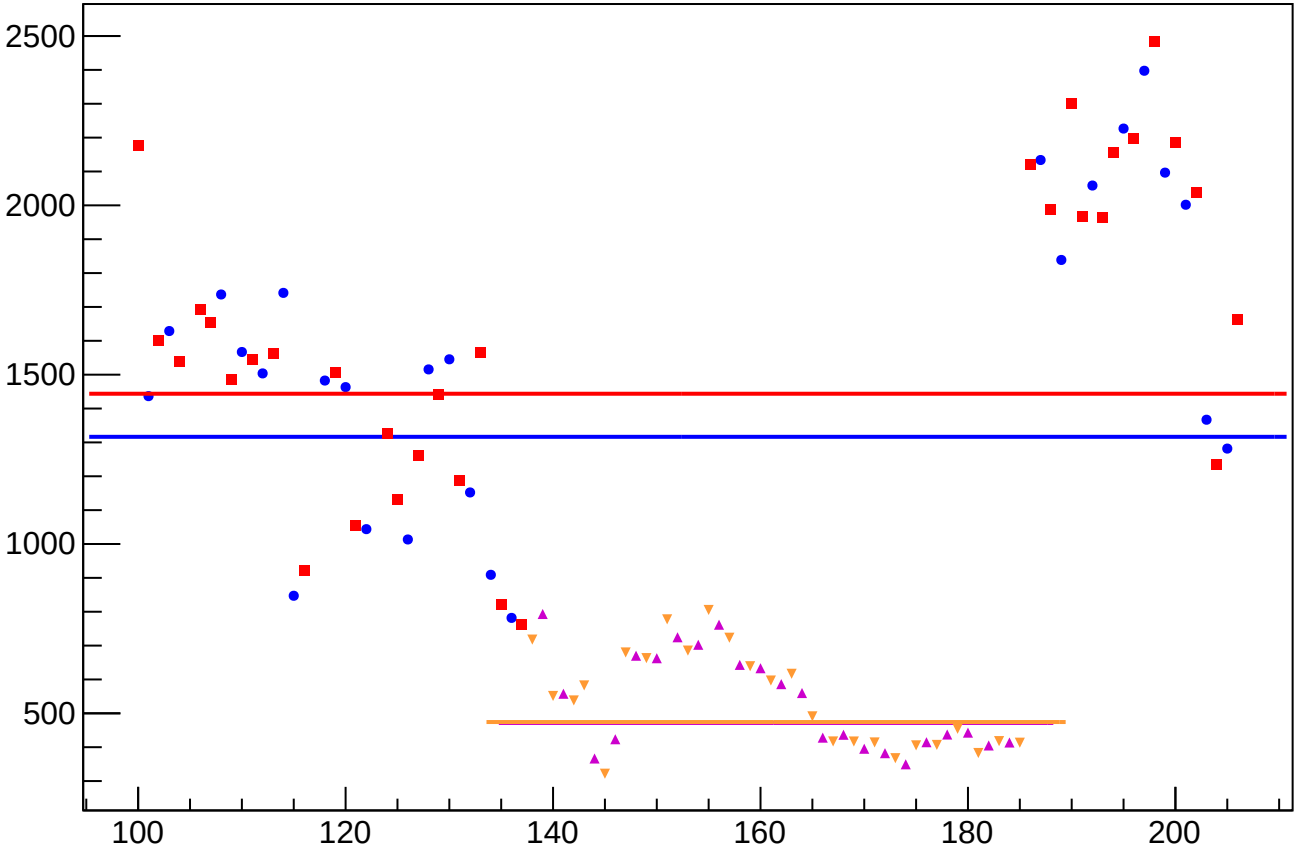
Left In: -54.192+/-114.223 χ^2/NDF:30.7/22

\+ sign -443.113+/-107.046 χ^2/NDF: 87.3/49

All: -283.829+/-76.460 χ^2/NDF: 148.4/103

\- sign -117.924+/-109.249 χ^2/NDF: 56.5/53

asym_sam_3726_avg_eigen_dit_correction_rms vs Slug



Right In: 1316.498+/-0.263 χ^2/NDF: 2874331.5/24

Left Out: 474.294+/-0.079 χ^2/NDF:2538999.2/24

Right Out: 1443.716+/-0.265 χ^2/NDF: 2954401.2/30

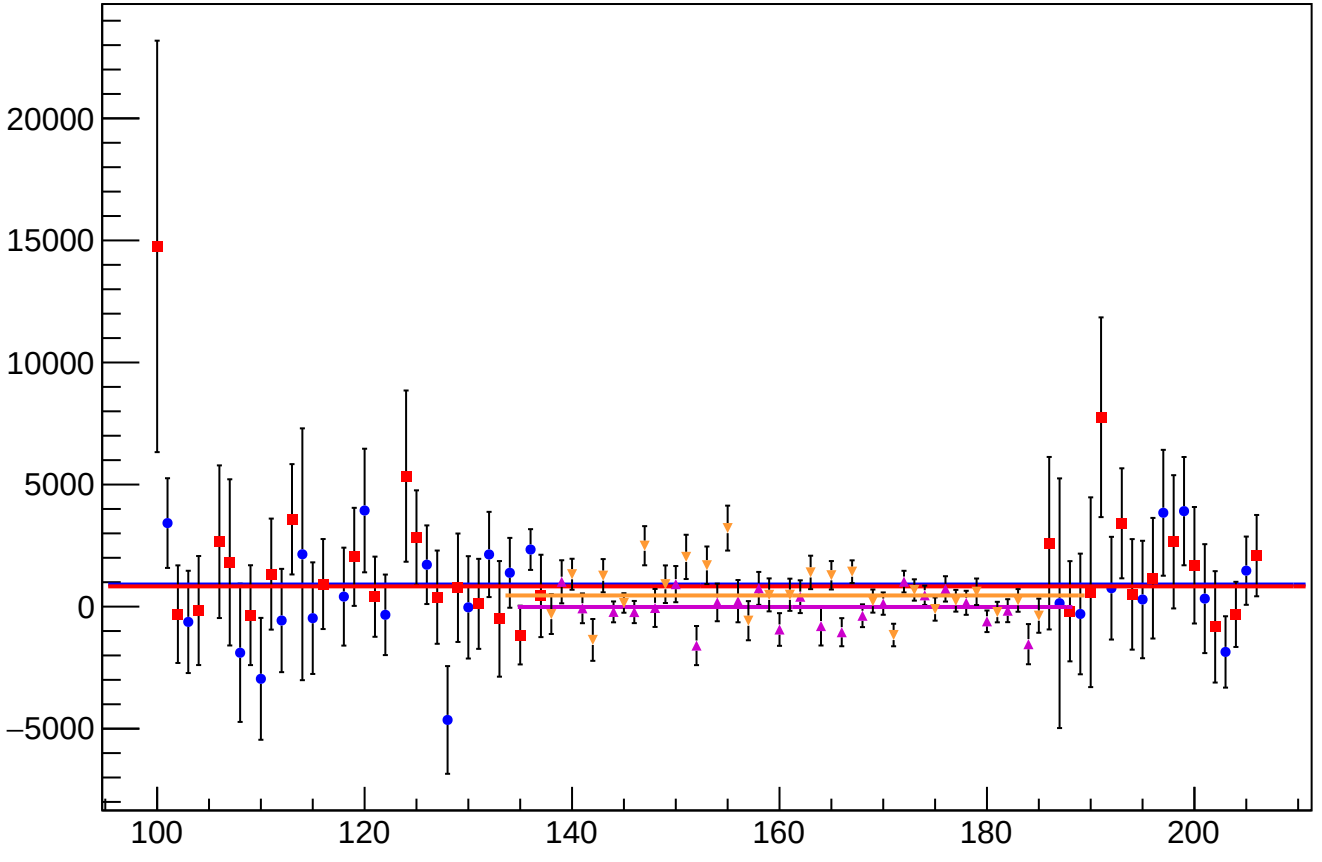
Left In: 471.456+/-0.081 χ^2/NDF:2209338.4/22

+ sign 544.020+/-0.076 χ^2/NDF: 14814209.1/49

All: 549.054+/-0.054 χ^2/NDF: 32333694.9/10

- sign 554.297+/-0.077 χ^2/NDF: 17510455.6/53

asym_sam_3726_avg_mean vs Slug



Right In: 904.741+/-371.667 χ^2/NDF: 26.4/24

Left Out: 457.286+/-114.351 χ^2/NDF:59.4/24

Right Out: 828.963+/-379.129 χ^2/NDF: 19.2/30

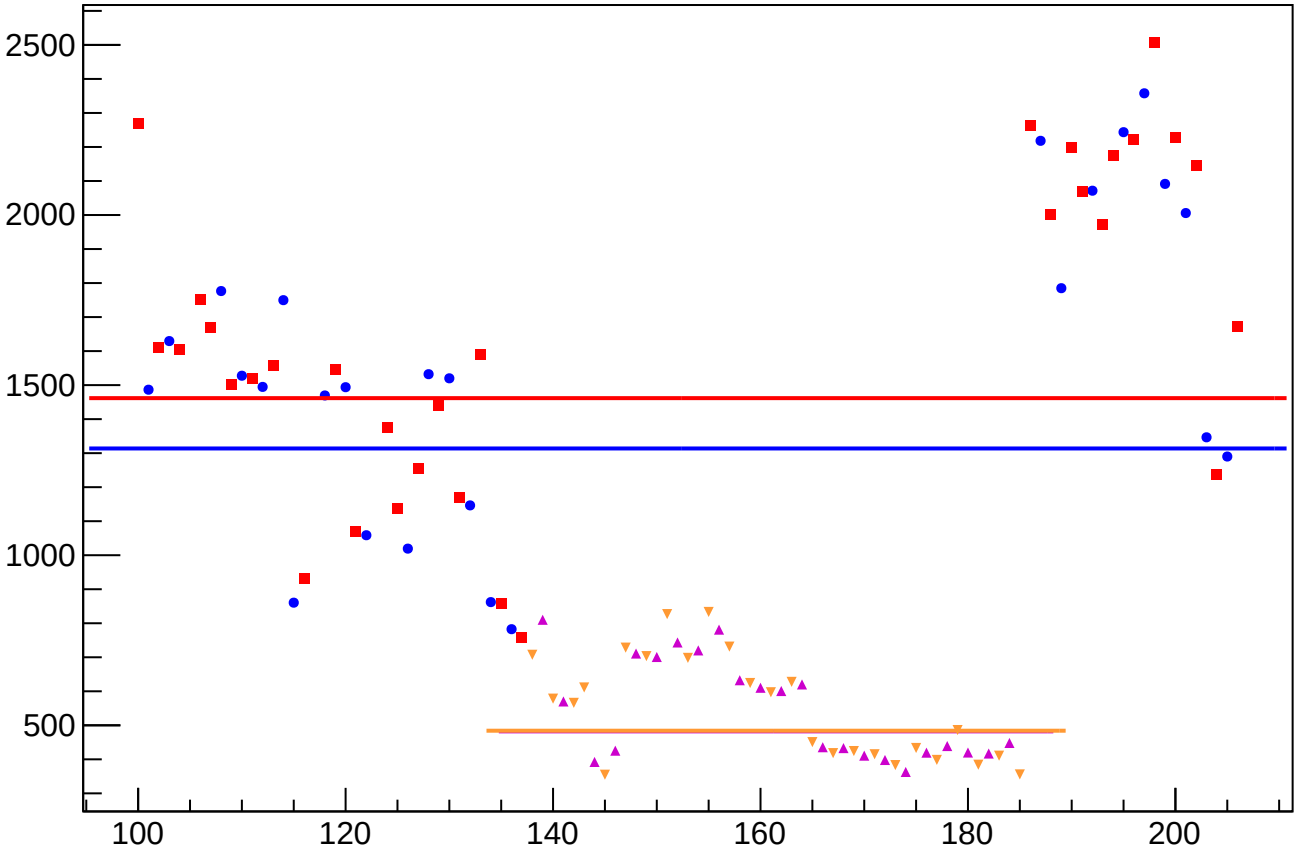
Left In: -15.089+/-116.701 χ^2/NDF:30.3/22

+ sign 495.980+/-109.295 χ^2/NDF: 87.1/49

All: 281.416+/-78.064 χ^2/NDF: 148.9/103

- sign 57.962+/-111.536 χ^2/NDF: 54.0/53

asym_sam_3726_avg_rms vs Slug



Right In: 1313.764+/-0.263 χ^2/NDF: 2903274.3/24

Left Out: 484.128+/-0.081 χ^2/NDF:2548479.4/24

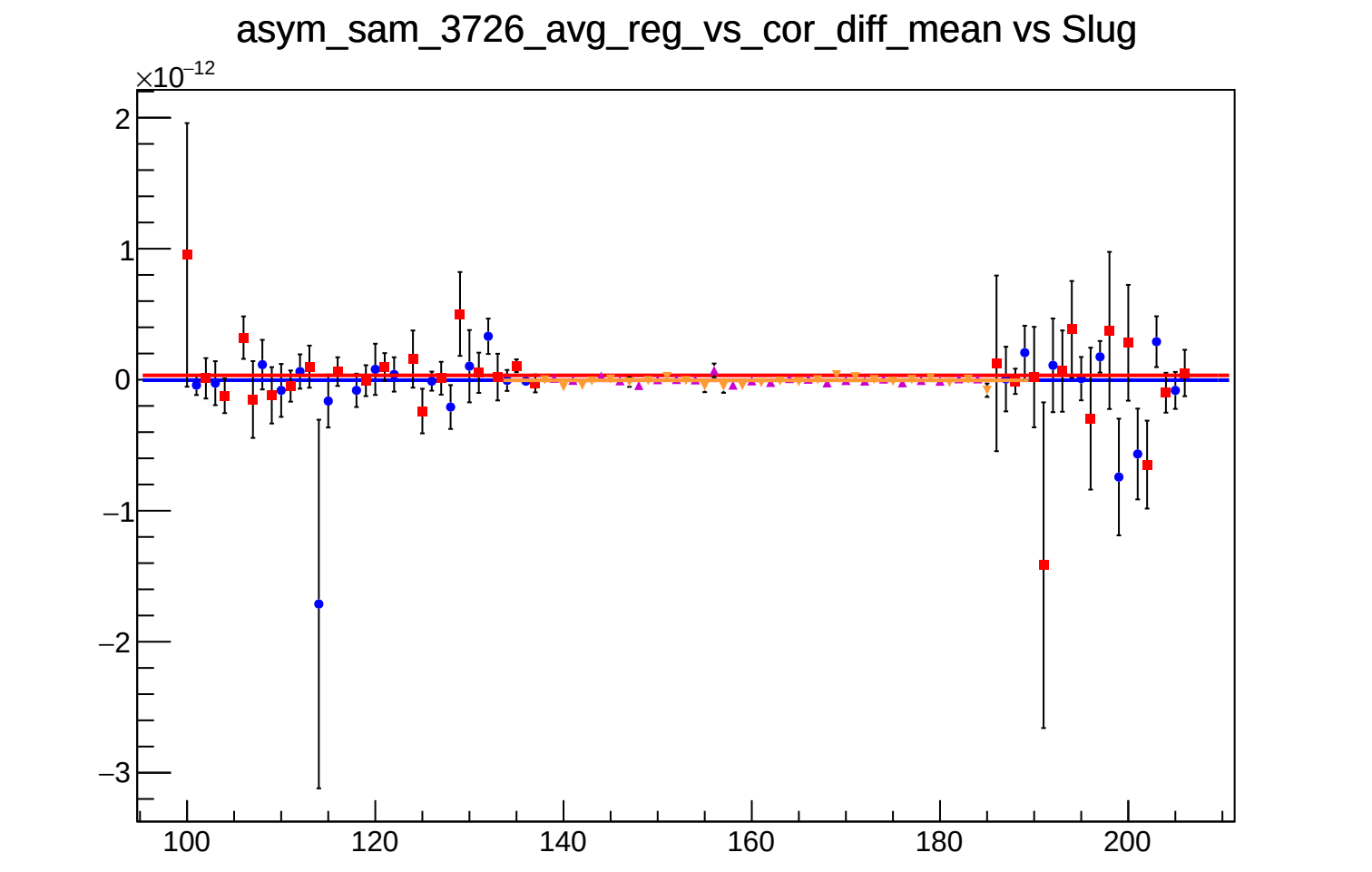
Right Out: 1461.720+/-0.268 χ^2/NDF: 2954362.6/30

Left In: 482.160+/-0.083 χ^2/NDF:2186689.9/22

\+ sign 555.871+/-0.077 χ^2/NDF: 14555424.1/49

All: 561.293+/-0.055 χ^2/NDF: 31902116.5/10

\- sign 566.939+/-0.079 χ^2/NDF: 17336646.2/53



Right In: -0.000+/-0.000 χ^2/NDF: 23.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:31.0/24

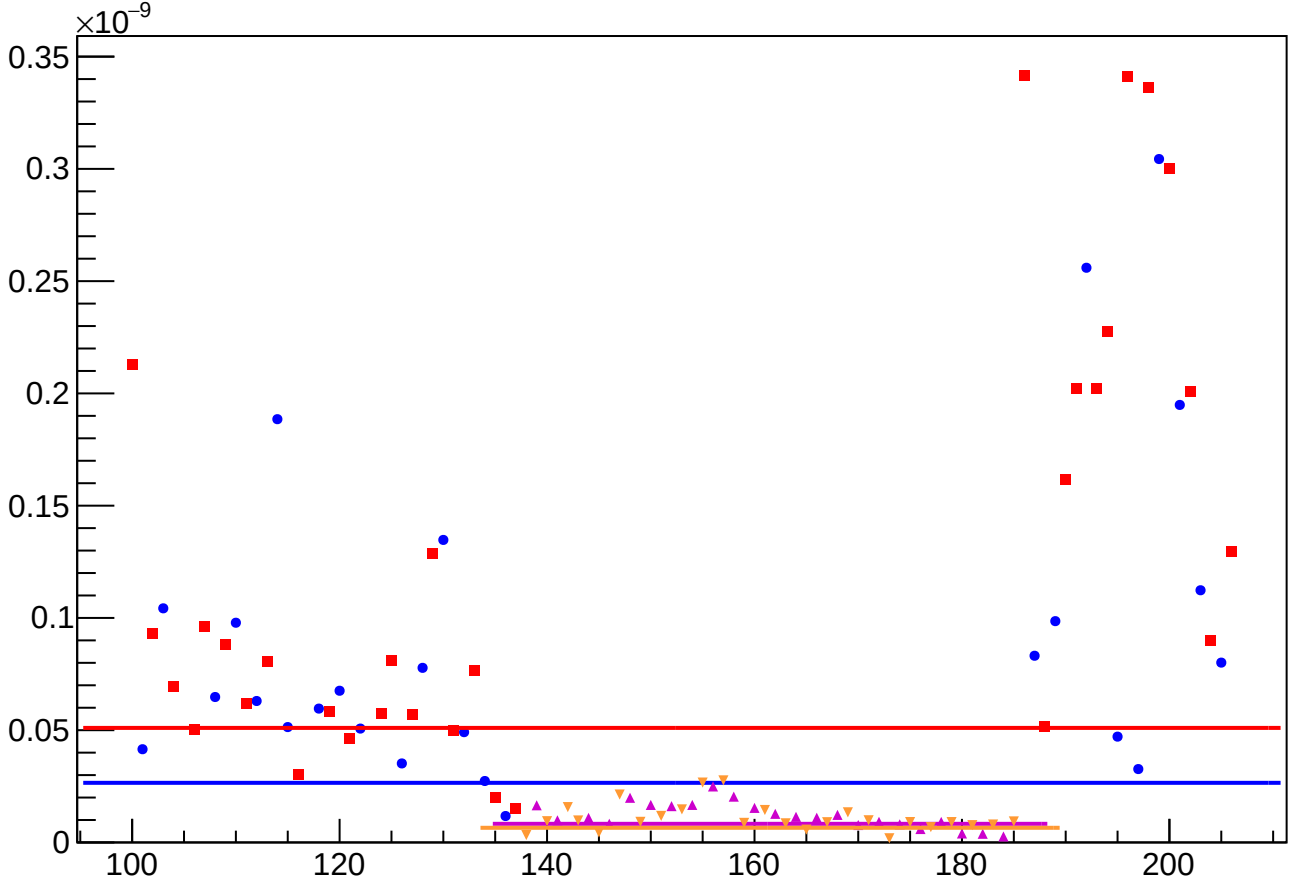
Right Out: 0.000+/-0.000 χ^2/NDF: 24.1/30

Left In: -0.000+/-0.000 χ^2/NDF:15.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 54.2/49

All: -0.000+/-0.000 χ^2/NDF: 95.5/103

- sign -0.000+/-0.000 χ^2/NDF: 41.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 6099707.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:3737127.3/24

Right Out: 0.000+/-0.000 χ^2/NDF: 6190867.3/30

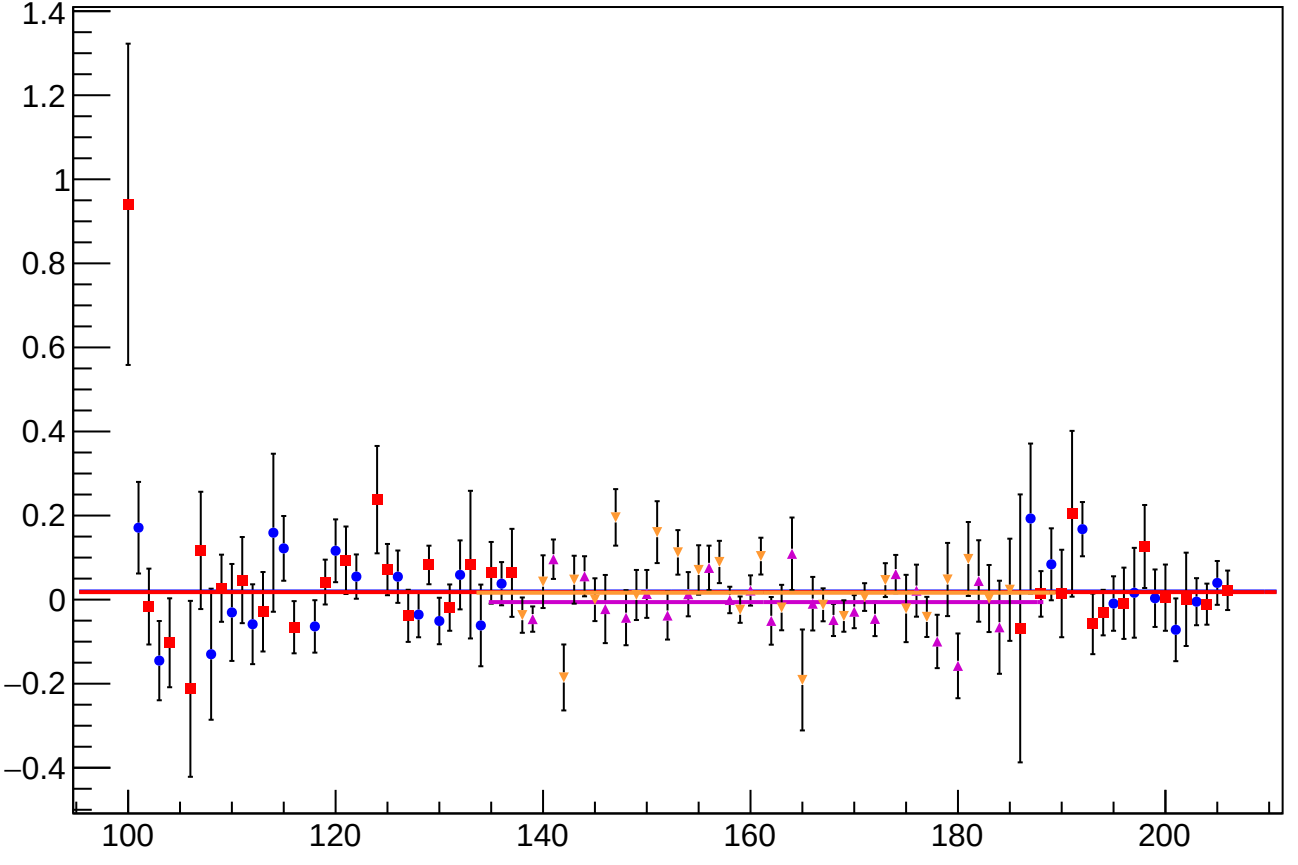
Left In: 0.000+/-0.000 χ^2/NDF:2799238.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 12598999.0/49

All: 0.000+/-0.000 χ^2/NDF: 27629127.5/103

- sign 0.000+/-0.000 χ^2/NDF: 14680562.0/53

asym_sam_3726_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.018+/-0.014 χ^2/NDF: 24.5/30

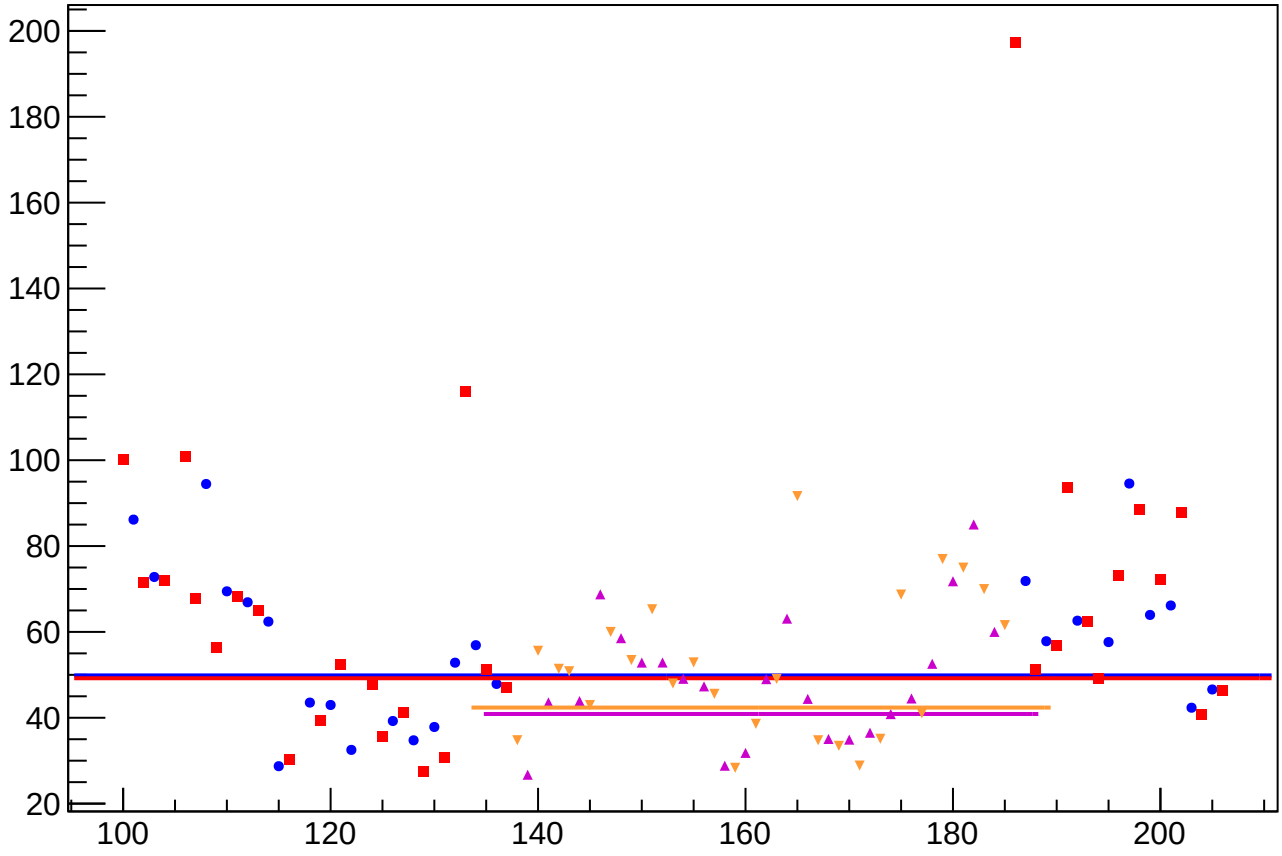
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.008 χ^2/NDF: 67.0/49

All: 0.010+/-0.006 χ^2/NDF: 121.0/103

- sign 0.003+/-0.008 χ^2/NDF: 52.5/53

asym_sam_3726_avg_dit_vs_cor_diff_rms vs Slug



Right In: 49.865+/-0.010 χ^2/NDF: 2094809.7/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

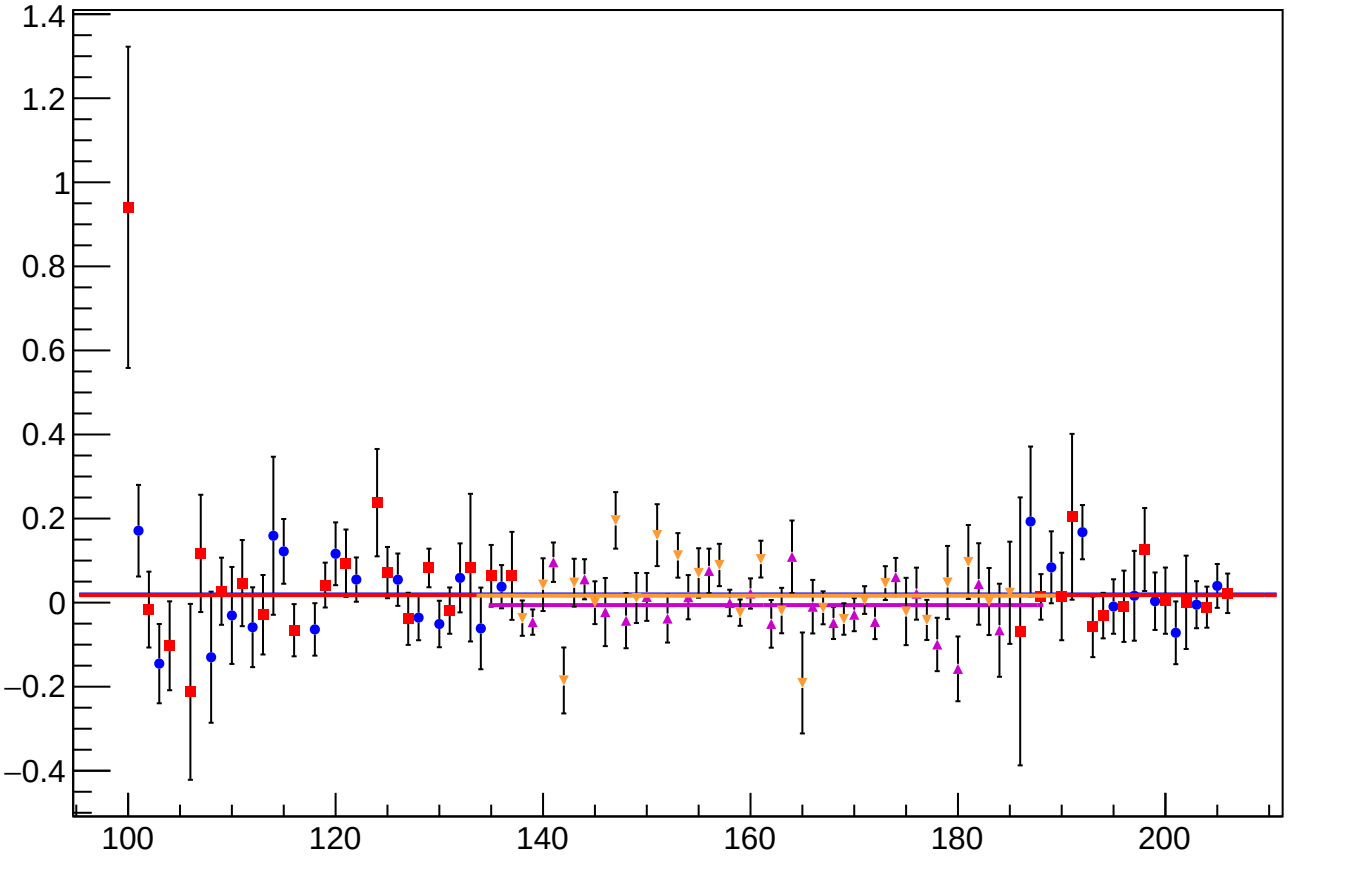
Right Out: 49.203+/-0.010 χ^2/NDF: 3474328.5/30

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.915+/-0.006 χ^2/NDF: 5641238.1/49

All: 44.412+/-0.004 χ^2/NDF: 12288794.2/103

- sign 43.935+/-0.006 χ^2/NDF: 6633596.1/53



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

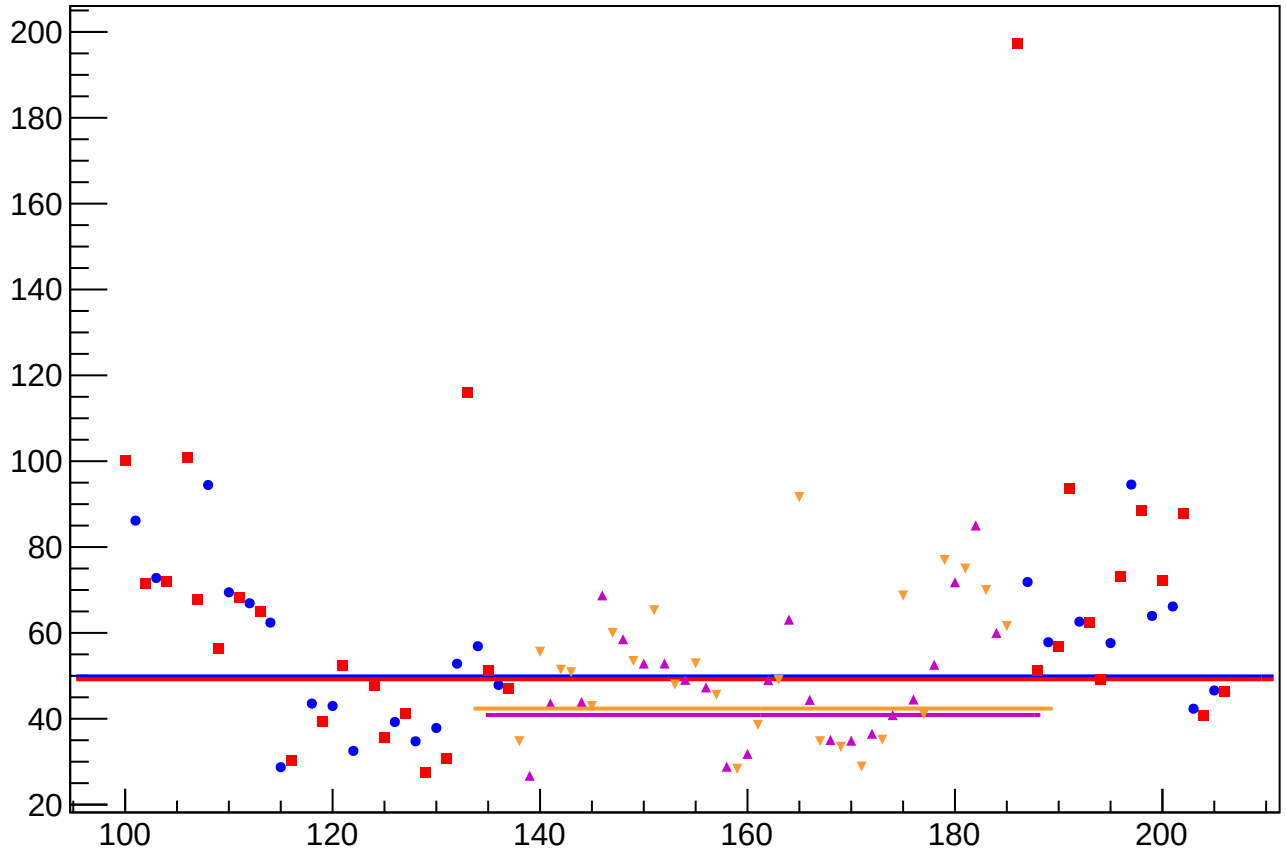
Right Out: 0.018+/-0.014 χ^2/NDF: 24.5/30

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.008 χ^2/NDF: 67.0/49

All: 0.010+/-0.006 χ^2/NDF: 121.0/103

- sign 0.003+/-0.008 χ^2/NDF: 52.5/53



Right In: 49.865+/-0.010 χ^2/NDF: 2094809.7/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190972.5/24

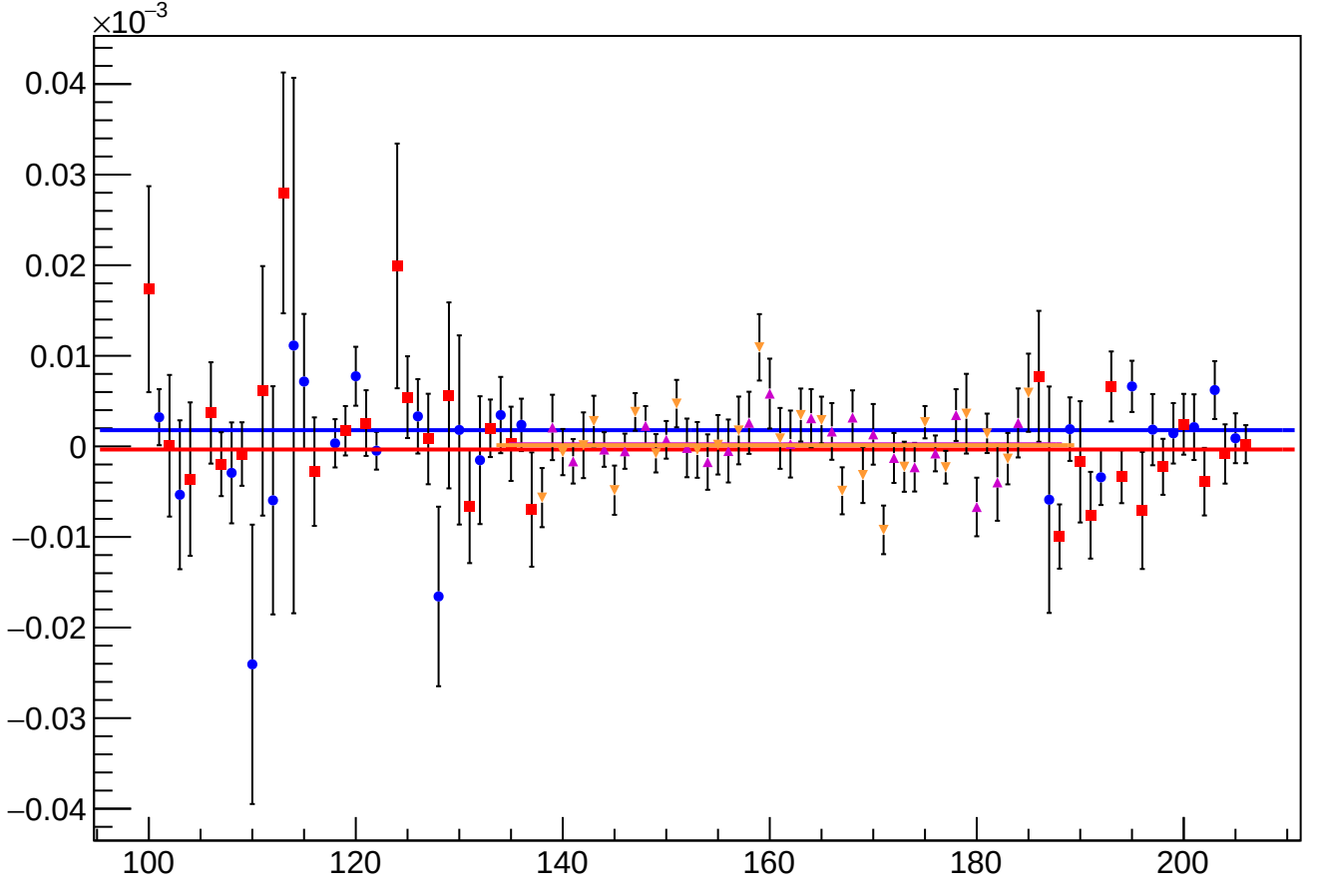
Right Out: 49.203+/-0.010 χ^2/NDF: 3474328.5/30

Left In: 40.881+/-0.007 χ^2/NDF:2678327.2/22

+ sign 44.915+/-0.006 χ^2/NDF: 5641238.1/49

All: 44.412+/-0.004 χ^2/NDF: 12288794.2/103

- sign 43.935+/-0.006 χ^2/NDF: 6633596.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 22.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:49.9/24

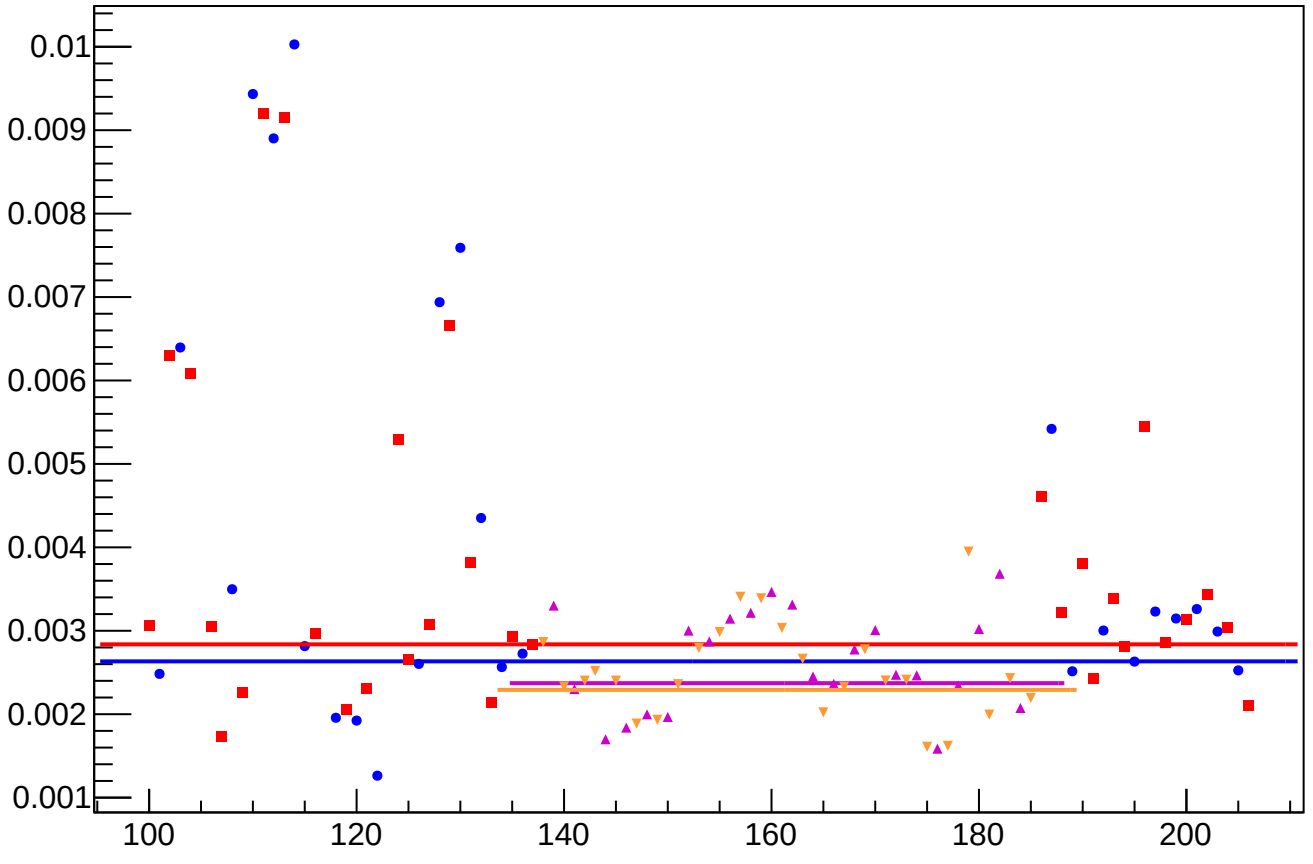
Right Out: -0.000+/-0.000 χ^2/NDF: 34.8/30

Left In: 0.000+/-0.000 χ^2/NDF:15.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 75.6/49

All: 0.000+/-0.000 χ^2/NDF: 127.7/103

- sign 0.000+/-0.000 χ^2/NDF: 51.0/53



Right In: 0.003+/-0.000 χ^2/NDF: 3831801.6/24

Left Out: 0.002+/-0.000 χ^2/NDF:1818891.6/24

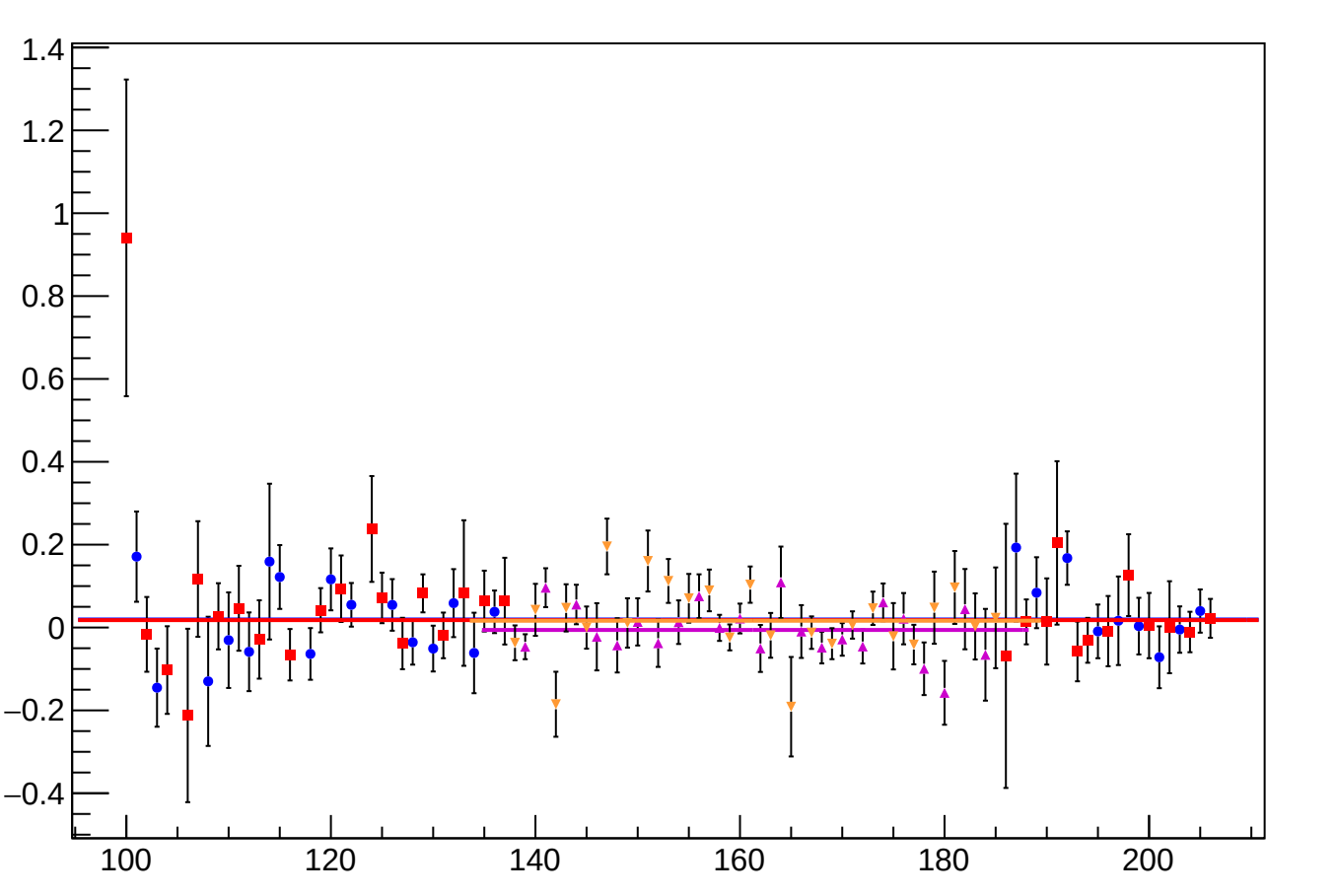
Right Out: 0.003+/-0.000 χ^2/NDF: 3409059.5/30

Left In: 0.002+/-0.000 χ^2/NDF:2020314.6/22

+ sign 0.002+/-0.000 χ^2/NDF: 5917030.2/49

All: 0.002+/-0.000 χ^2/NDF: 11922070.0/103

- sign 0.003+/-0.000 χ^2/NDF: 5908670.8/53



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

Right Out: 0.018+/-0.014 χ^2/NDF: 24.5/30

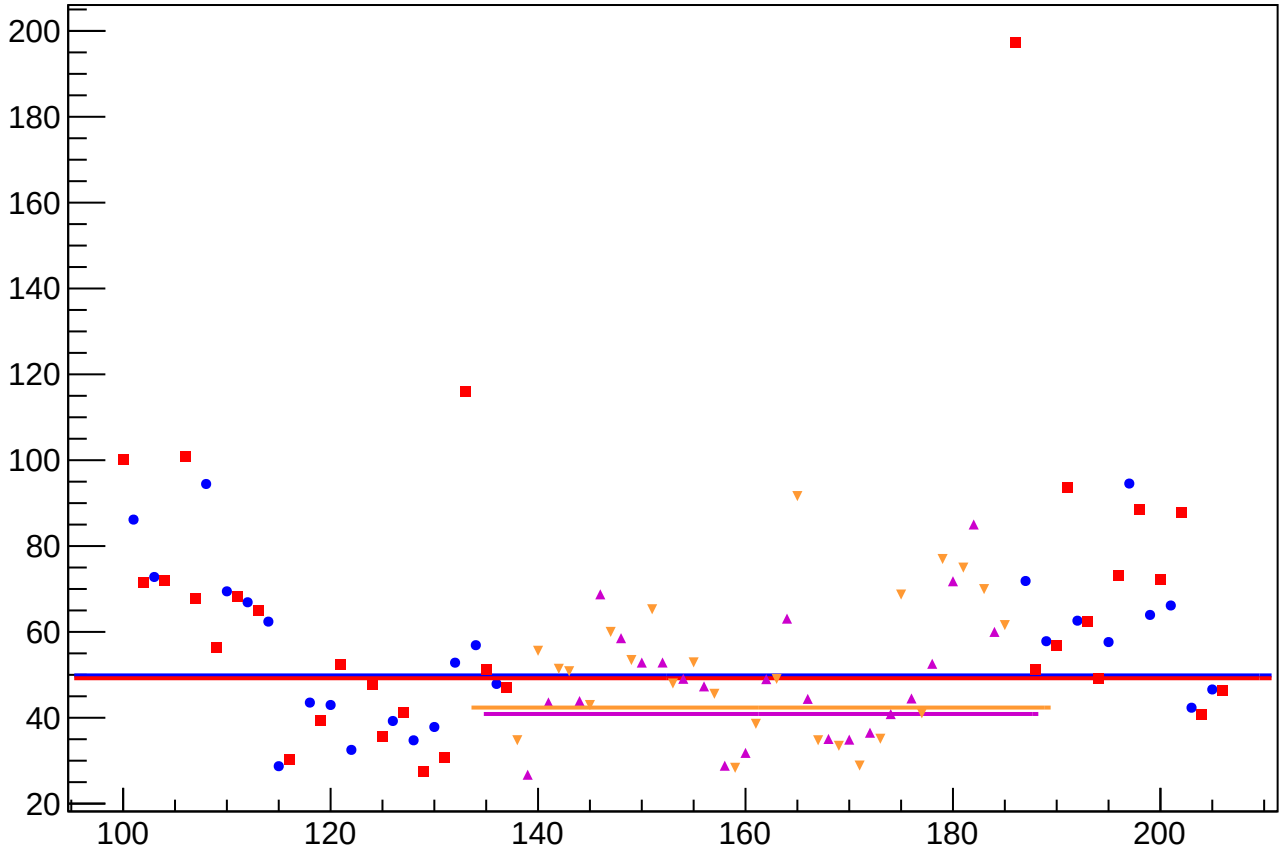
Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.008 χ^2/NDF: 67.0/49

All: 0.010+/-0.006 χ^2/NDF: 121.0/103

- sign 0.003+/-0.008 χ^2/NDF: 52.5/53

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 49.865+/-0.010 χ^2/NDF: 2094764.3/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

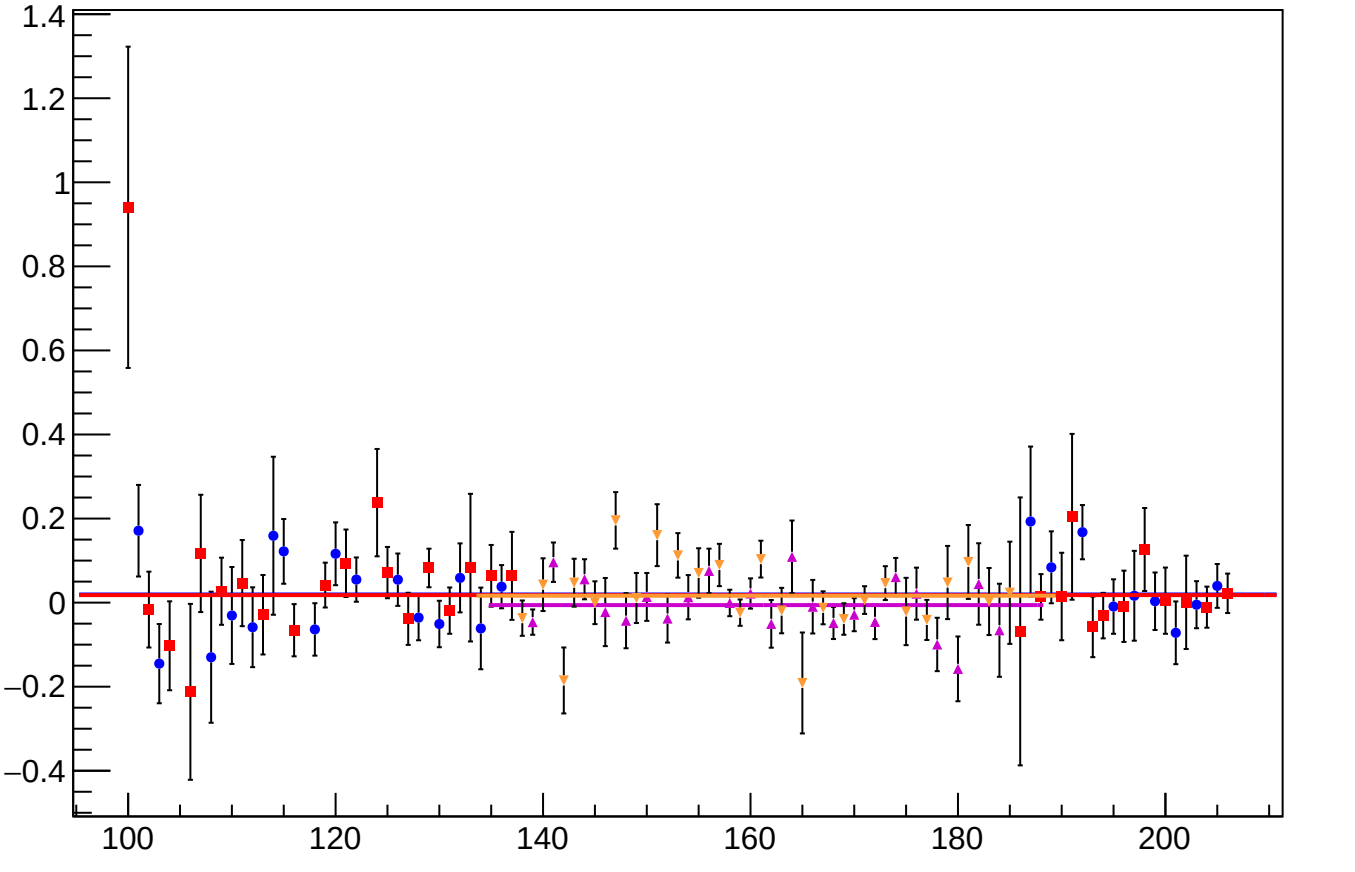
Right Out: 49.203+/-0.010 χ^2/NDF: 3474232.3/30

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.916+/-0.006 χ^2/NDF: 5641187.2/49

All: 44.412+/-0.004 χ^2/NDF: 12288642.2/103

- sign 43.936+/-0.006 χ^2/NDF: 6633498.2/53



Right In: 0.019+/-0.014 χ^2/NDF: 25.9/24

Left Out: 0.016+/-0.010 χ^2/NDF:41.1/24

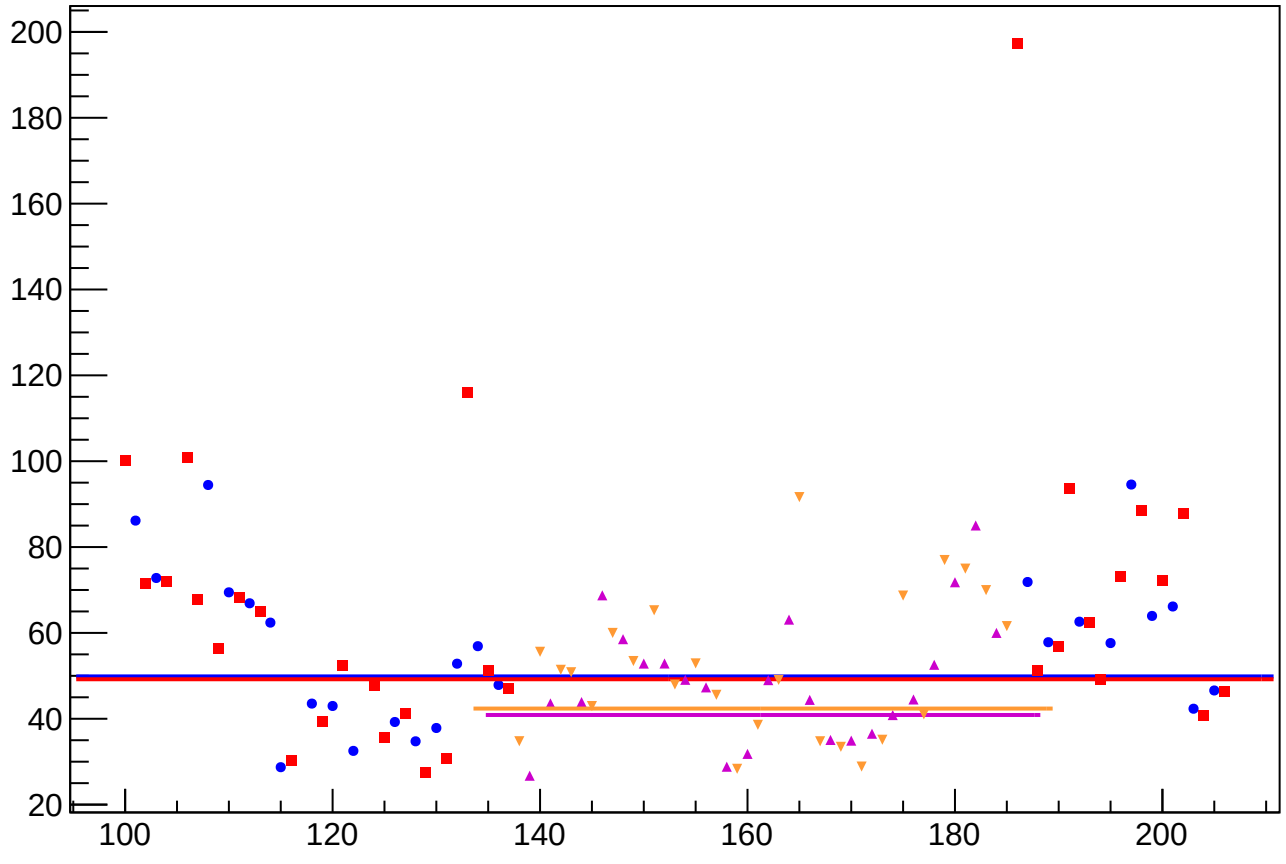
Right Out: 0.018+/-0.014 χ^2/NDF: 24.5/30

Left In: -0.006+/-0.010 χ^2/NDF:26.0/22

+ sign 0.017+/-0.008 χ^2/NDF: 67.0/49

All: 0.010+/-0.006 χ^2/NDF: 121.0/103

- sign 0.003+/-0.008 χ^2/NDF: 52.5/53



Right In: 49.865+/-0.010 χ^2/NDF: 2094764.3/24

Left Out: 42.375+/-0.007 χ^2/NDF:3190999.9/24

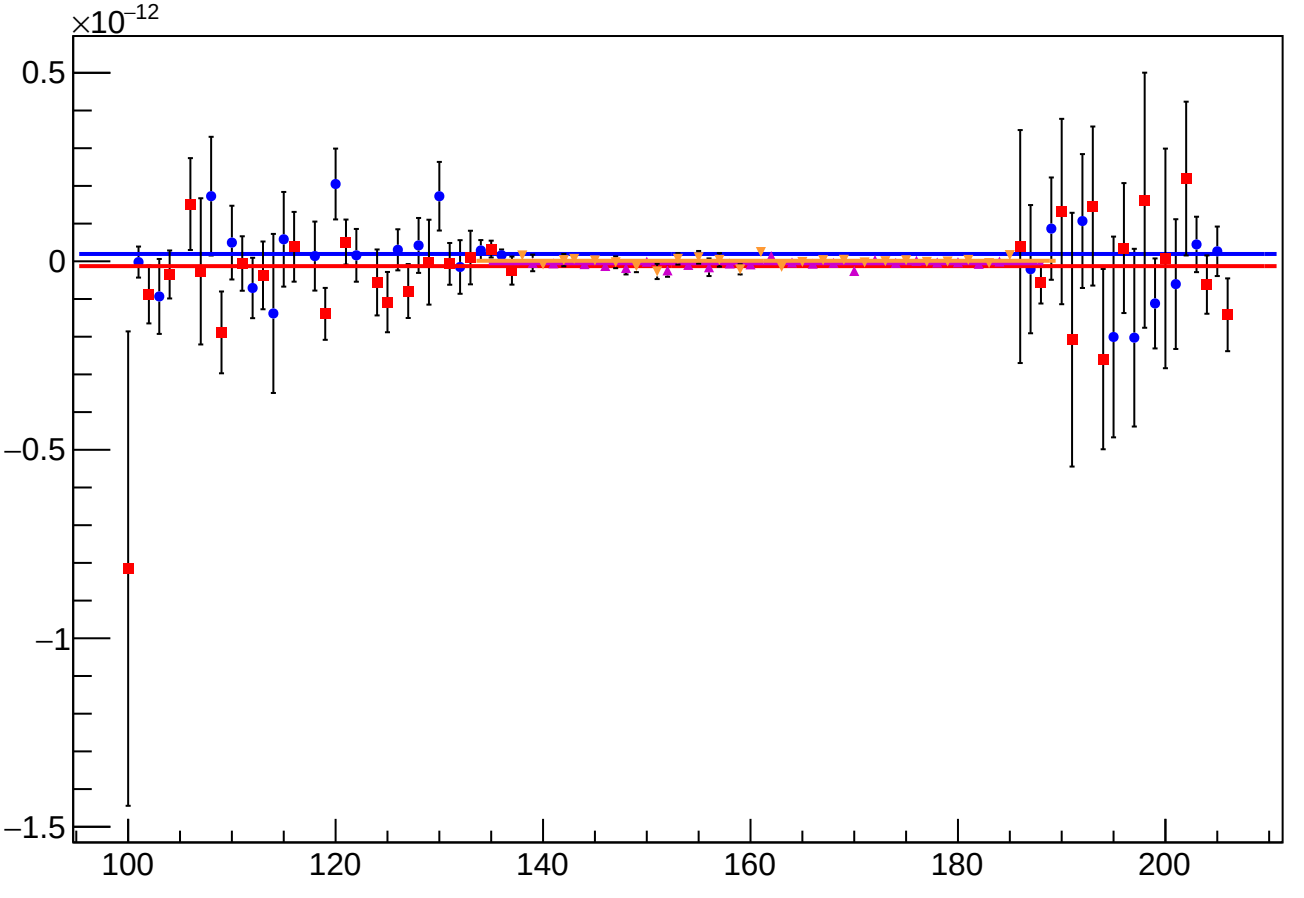
Right Out: 49.203+/-0.010 χ^2/NDF: 3474232.3/30

Left In: 40.881+/-0.007 χ^2/NDF:2678344.3/22

+ sign 44.916+/-0.006 χ^2/NDF: 5641187.2/49

All: 44.412+/-0.004 χ^2/NDF: 12288642.2/103

- sign 43.936+/-0.006 χ^2/NDF: 6633498.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 15.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:19.7/24

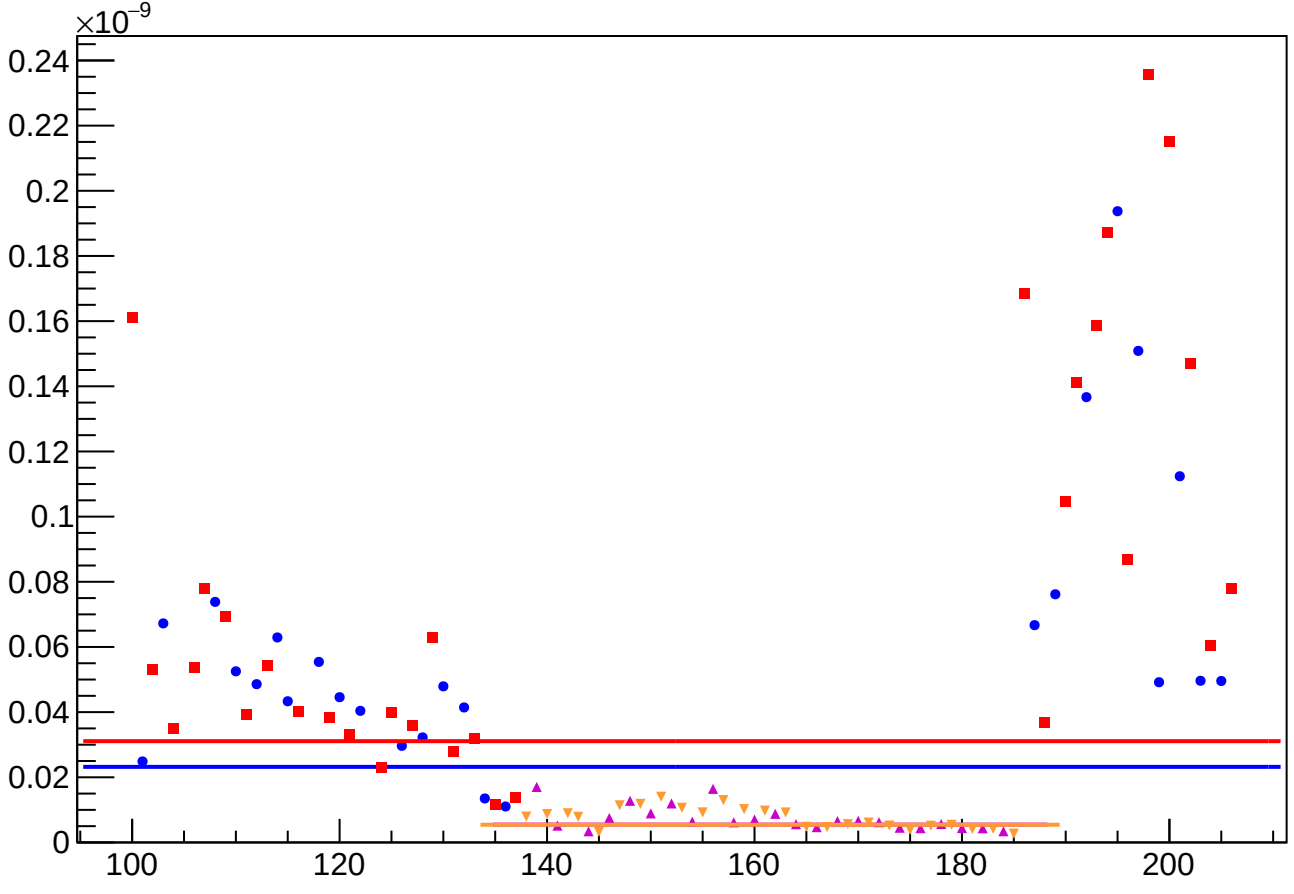
Right Out: -0.000+/-0.000 χ^2/NDF: 25.7/30

Left In: -0.000+/-0.000 χ^2/NDF:13.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 37.9/49

All: -0.000+/-0.000 χ^2/NDF: 85.5/103

- sign -0.000+/-0.000 χ^2/NDF: 39.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 7316296.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:3789045.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8571877.8/30

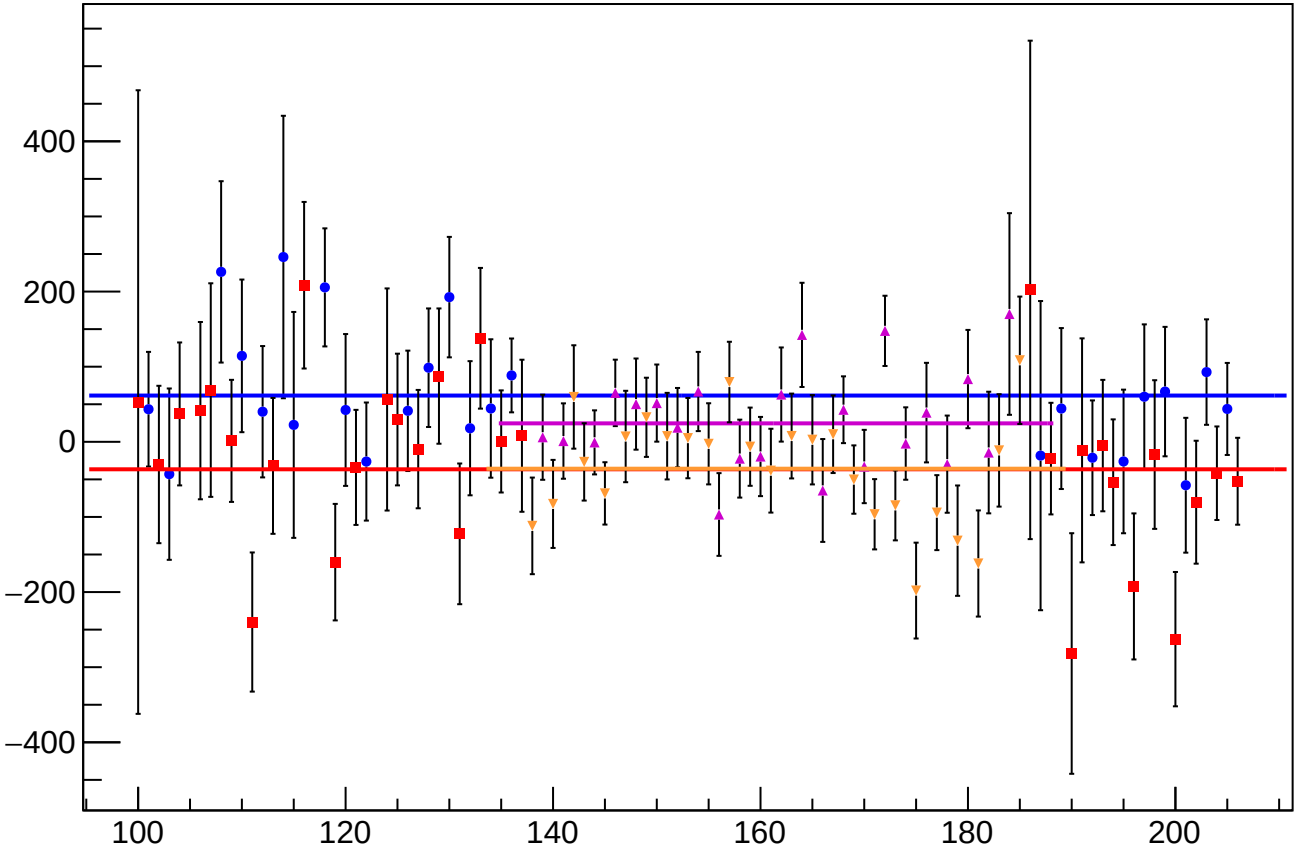
Left In: 0.000+/-0.000 χ^2/NDF:2801443.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 16437823.6/49

All: 0.000+/-0.000 χ^2/NDF: 35638788.2/103

- sign 0.000+/-0.000 χ^2/NDF: 19199231.1/53

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 61.586+/-17.159 χ^2/NDF: 16.5/24

Left Out: -35.787+/-11.119 χ^2/NDF:33.7/24

Right Out: -36.574+/-16.380 χ^2/NDF: 34.4/30

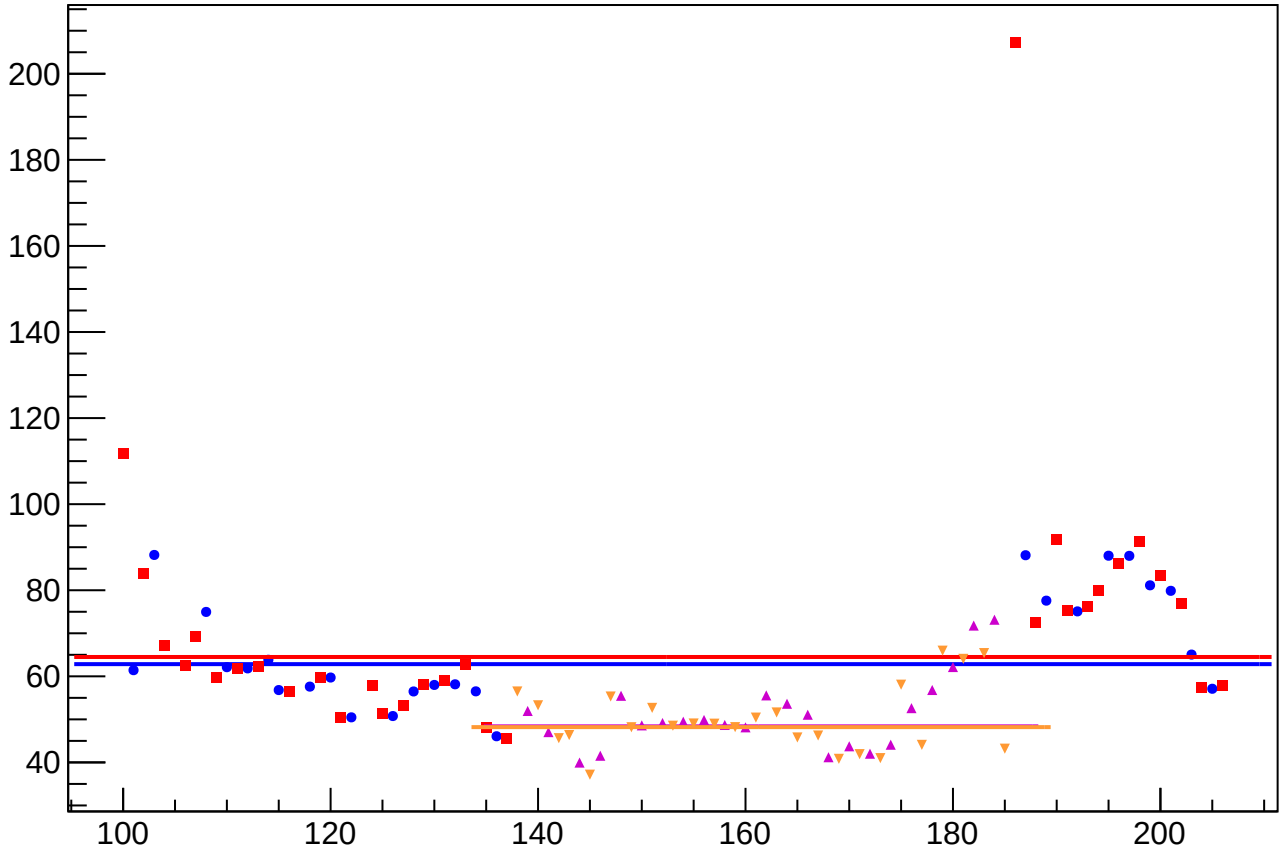
Left In: 24.572+/-11.471 χ^2/NDF:25.7/22

\+ sign -6.990+/-9.331 χ^2/NDF: 72.9/49

All: -1.309+/-6.621 χ^2/NDF: 143.1/103

\- sign 4.451+/-9.396 χ^2/NDF: 69.5/53

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 62.833+/-0.012 χ^2/NDF: 1073546.4/24

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.495+/-0.012 χ^2/NDF: 1487486.5/30

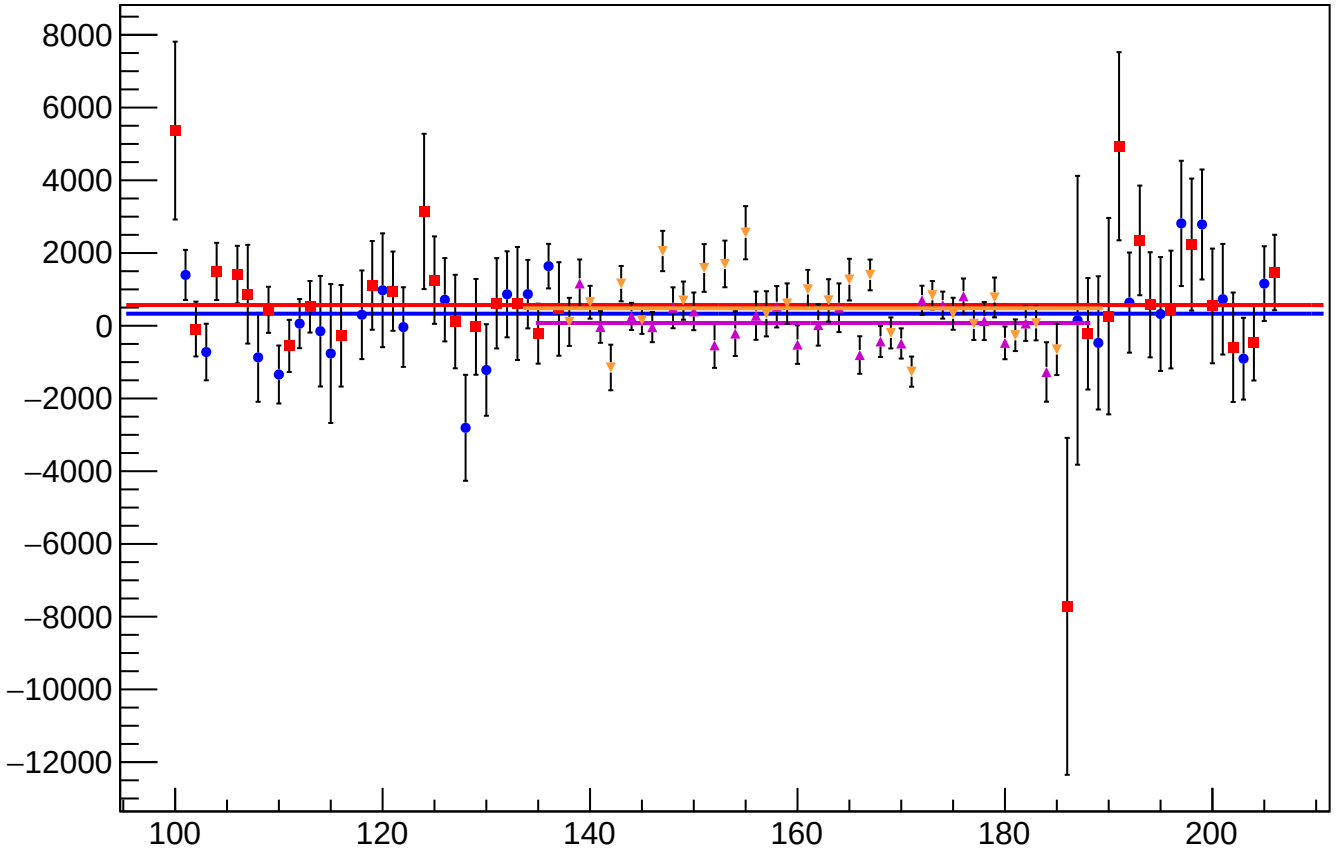
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.526+/-0.007 χ^2/NDF: 2878386.1/49

All: 53.101+/-0.005 χ^2/NDF: 6375256.3/103

- sign 53.683+/-0.007 χ^2/NDF: 3481607.9/53

asym_sam_15_48_dd_reg_correction_mean vs Slug



Right In: 331.727+/-216.051 χ^2/NDF: 28.7/24

Left Out: 480.215+/-100.526 χ^2/NDF:69.2/24

Right Out: 570.357+/-202.396 χ^2/NDF: 24.3/30

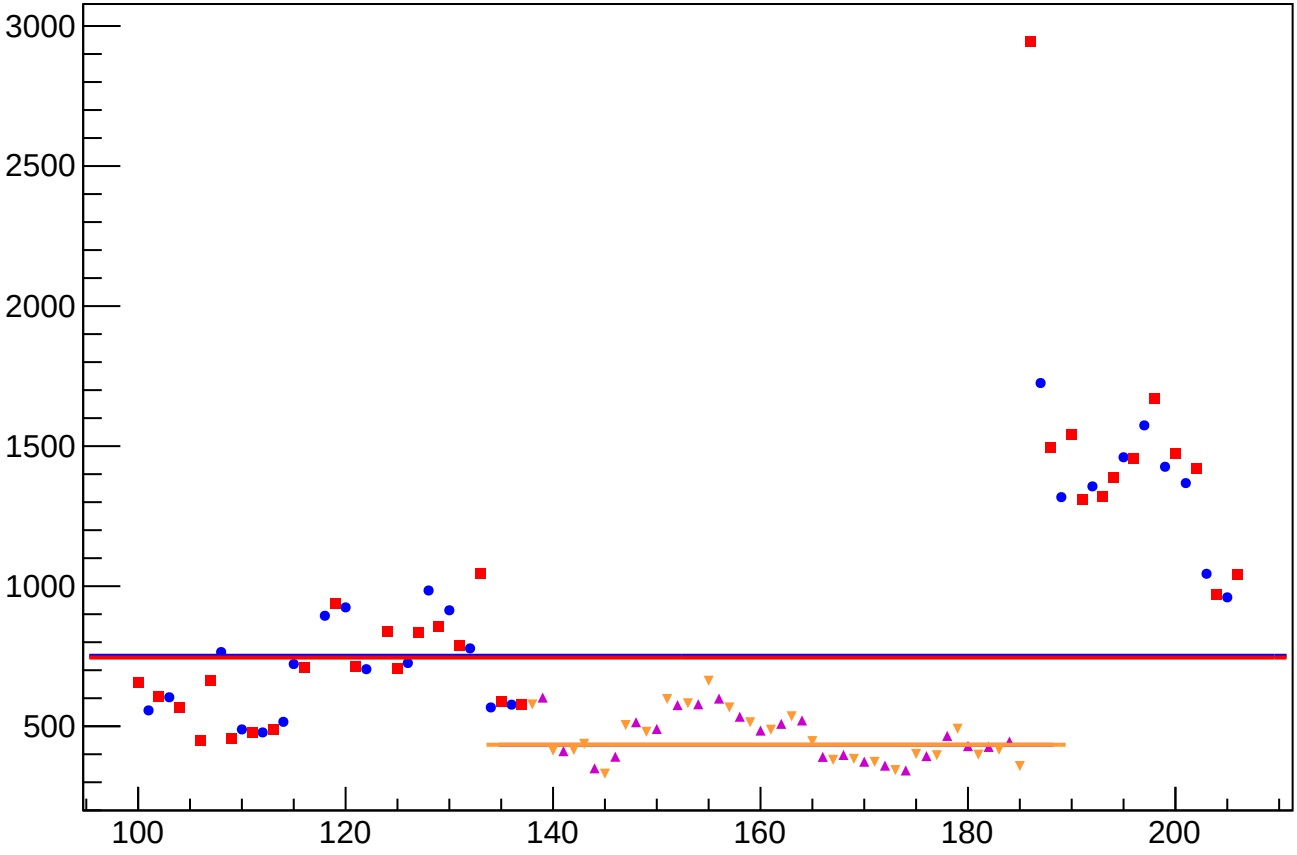
Left In: 75.662+/-103.128 χ^2/NDF:24.5/22

+ sign 453.790+/-91.143 χ^2/NDF: 98.3/49

All: 316.831+/-64.709 χ^2/NDF: 156.3/103

- sign 177.626+/-91.888 χ^2/NDF: 53.5/53

asym_sam_15_48_dd_reg_correction_rms vs Slug



Right In: 751.610+/-0.153 χ^2/NDF: 3715598.2/24

Left Out: 433.945+/-0.071 χ^2/NDF:1243704.6/24

Right Out: 745.208+/-0.143 χ^2/NDF: 5560864.4/30

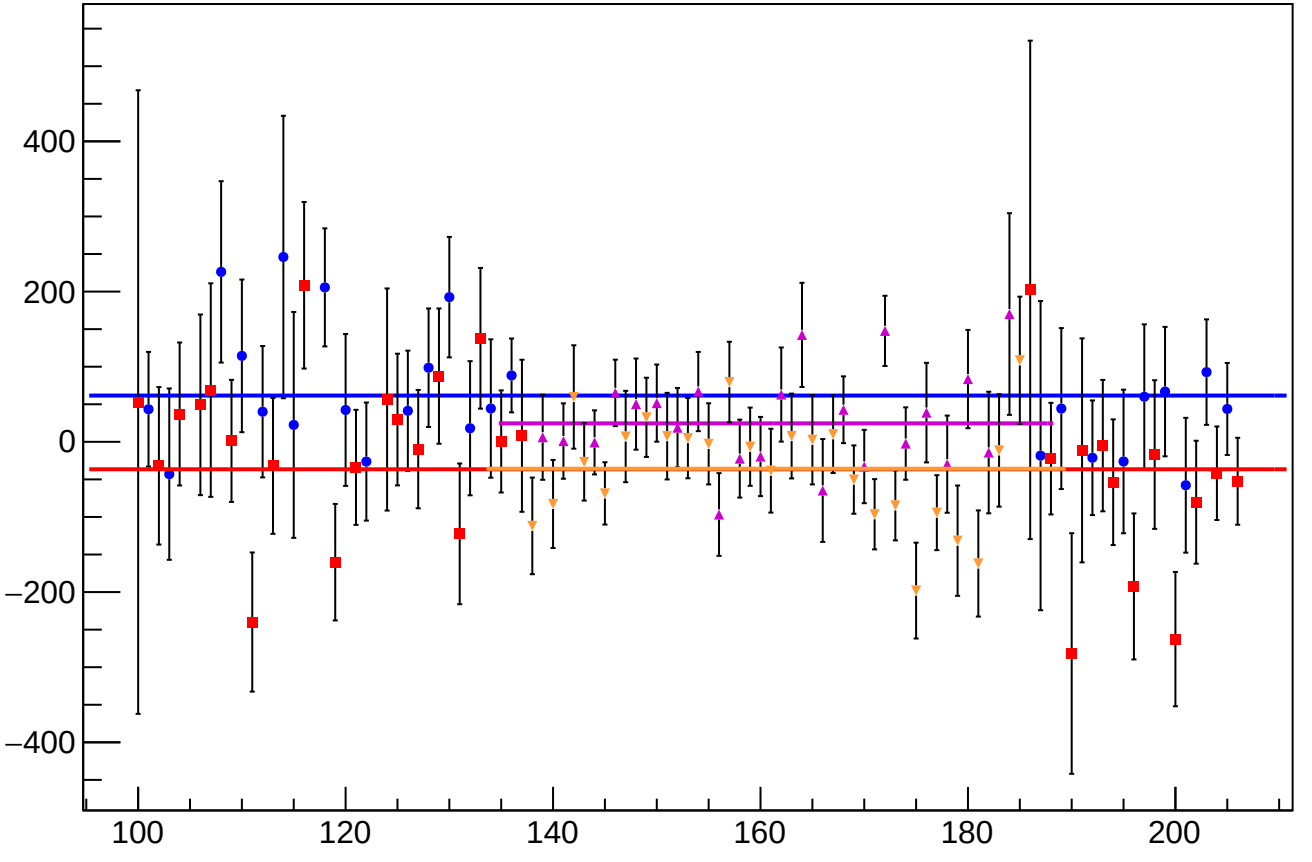
Left In: 433.722+/-0.073 χ^2/NDF:1094788.8/22

+ sign 490.478+/-0.064 χ^2/NDF: 8513550.4/49

All: 494.170+/-0.046 χ^2/NDF: 18936440.7/10

- sign 497.923+/-0.065 χ^2/NDF: 10416271.8/53

cor_asym_sam_15_48_dd_mean vs Slug



Right In: 61.590+/-17.159 χ^2/NDF: 16.5/24

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -36.527+/-16.386 χ^2/NDF: 34.4/30

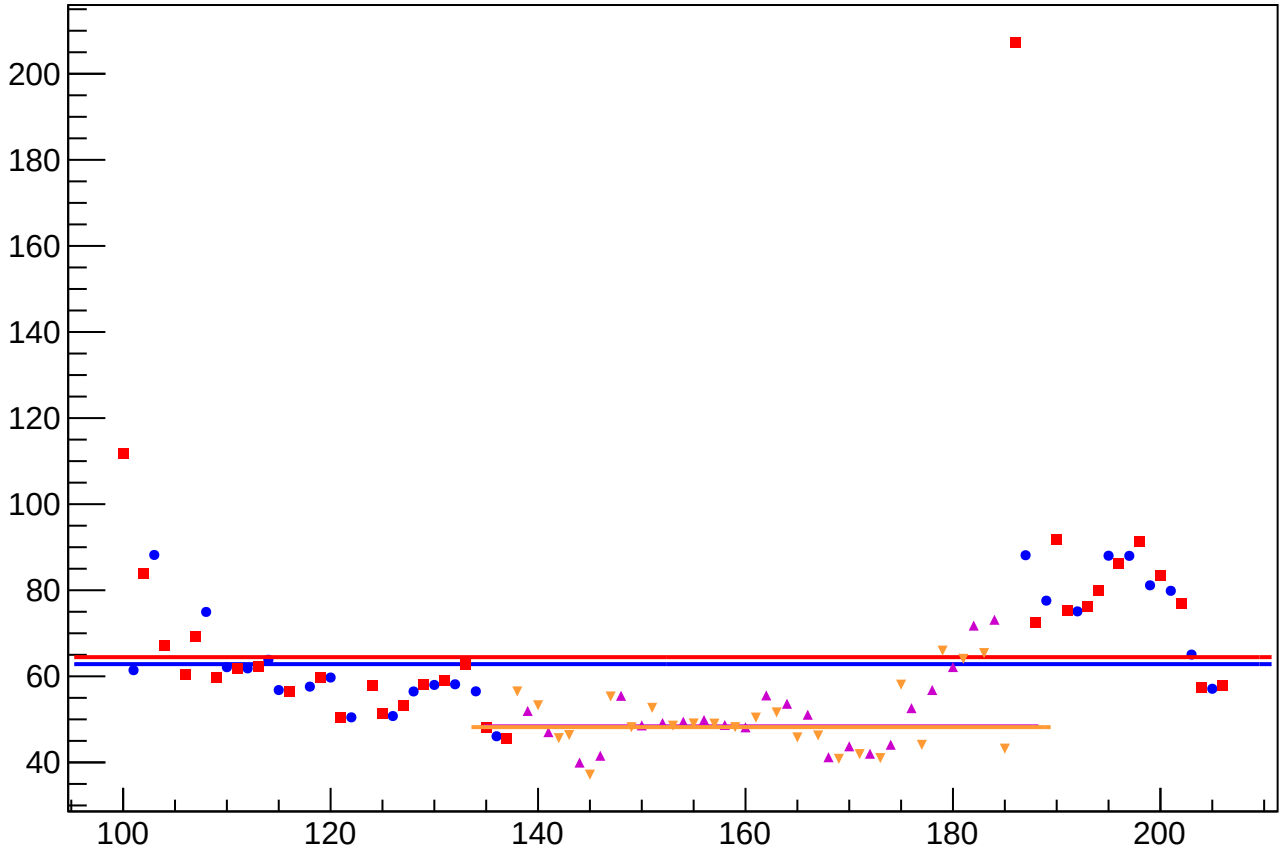
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -6.992+/-9.331 χ^2/NDF: 72.9/49

All: -1.298+/-6.621 χ^2/NDF: 143.2/103

- sign 4.477+/-9.397 χ^2/NDF: 69.5/53

cor_asym_sam_15_48_dd_rms vs Slug



Right In: 62.833+/-0.012 χ^2/NDF: 1073549.7/24

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.459+/-0.012 χ^2/NDF: 1489378.5/30

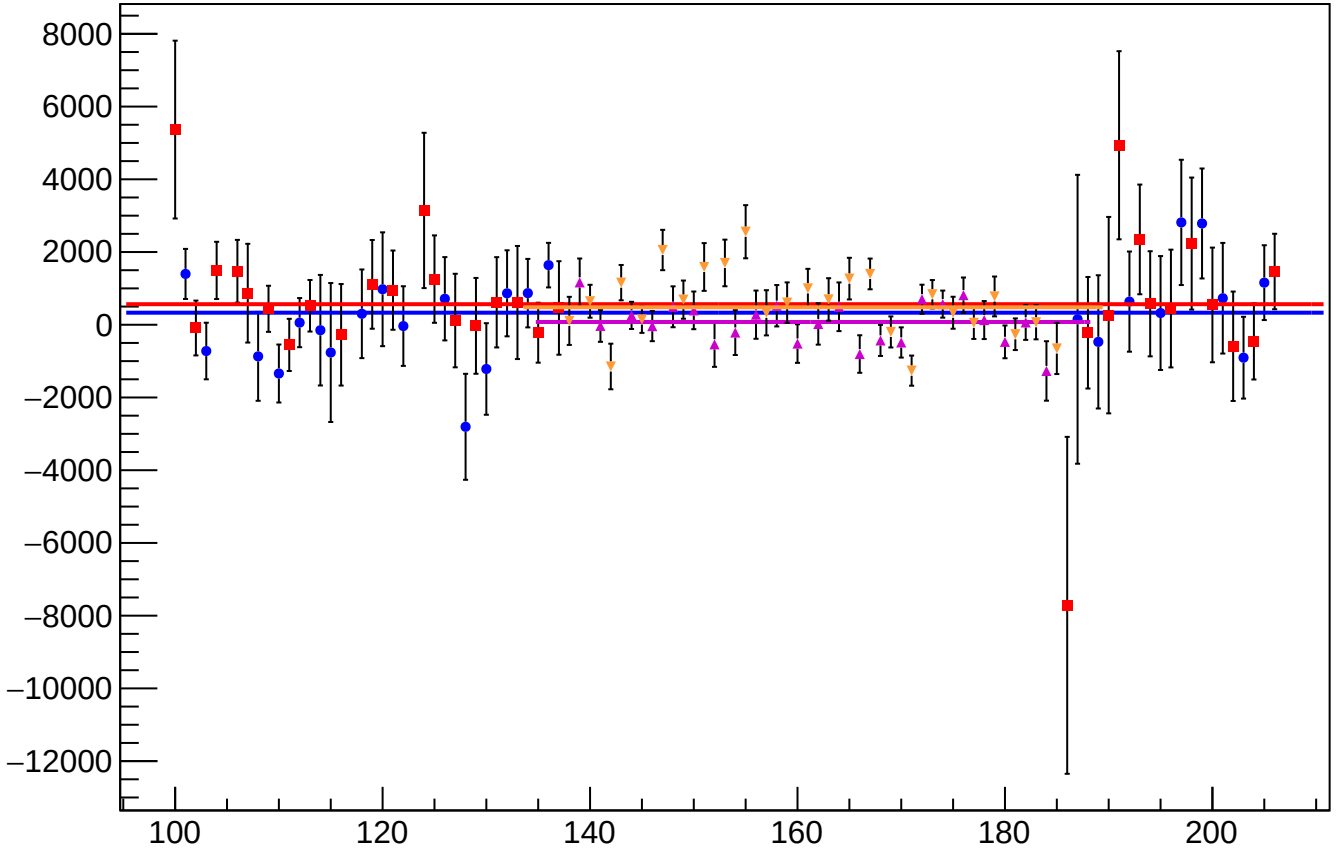
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.526+/-0.007 χ^2/NDF: 2878390.1/49

All: 53.094+/-0.005 χ^2/NDF: 6370346.6/103

- sign 53.669+/-0.007 χ^2/NDF: 3477074.2/53

asym_sam_15_48_dd_cor_correction_mean vs Slug



Right In: 331.758+/-216.052 χ^2/NDF: 28.7/24

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

Right Out: 565.365+/-203.462 χ^2/NDF: 24.2/30

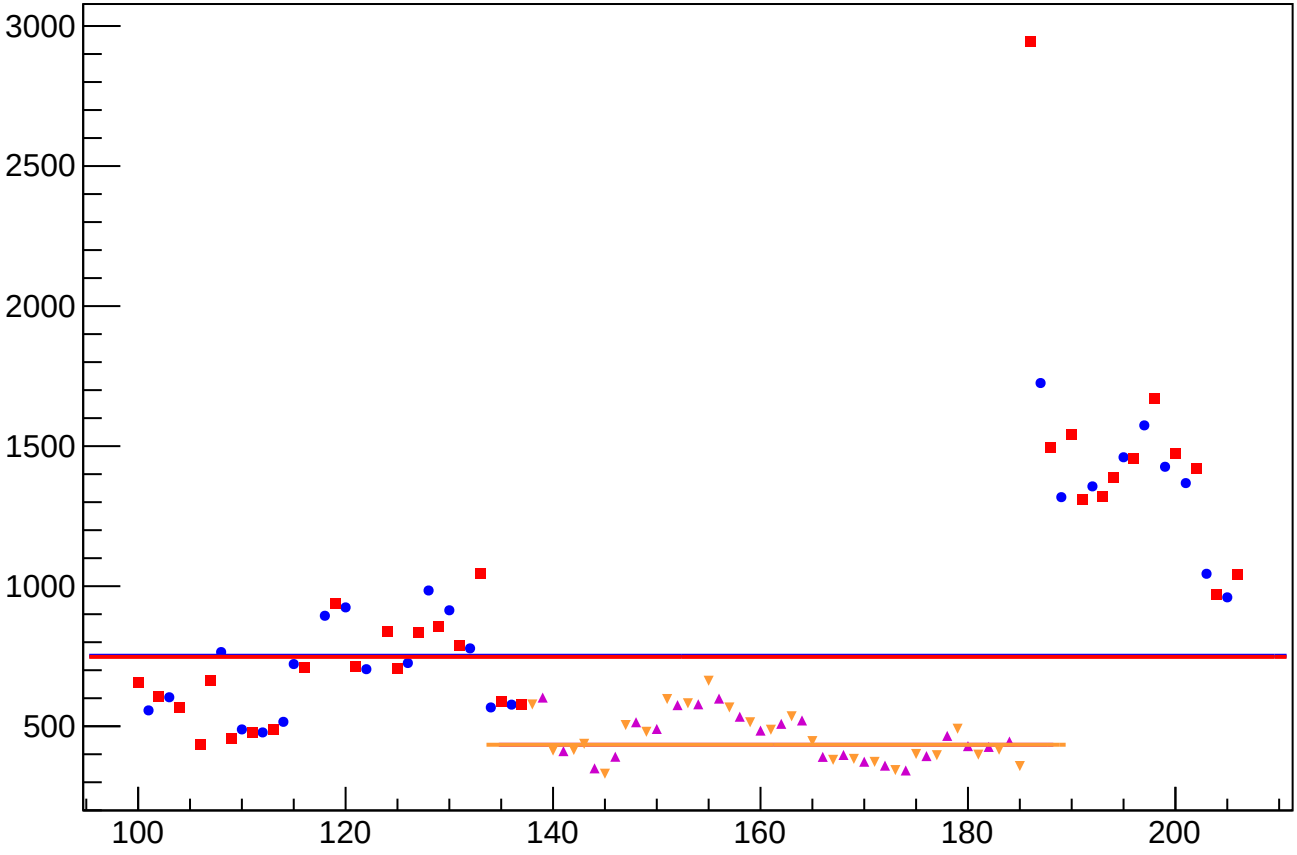
Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 453.791+/-91.143 χ^2/NDF: 98.3/49

All: 316.057+/-64.744 χ^2/NDF: 156.2/103

- sign 175.760+/-91.987 χ^2/NDF: 53.3/53

asym_sam_15_48_dd_cor_correction_rms vs Slug



Right In: 751.615+/-0.153 χ^2/NDF: 3715542.9/24

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 747.627+/-0.144 χ^2/NDF: 5536926.2/30

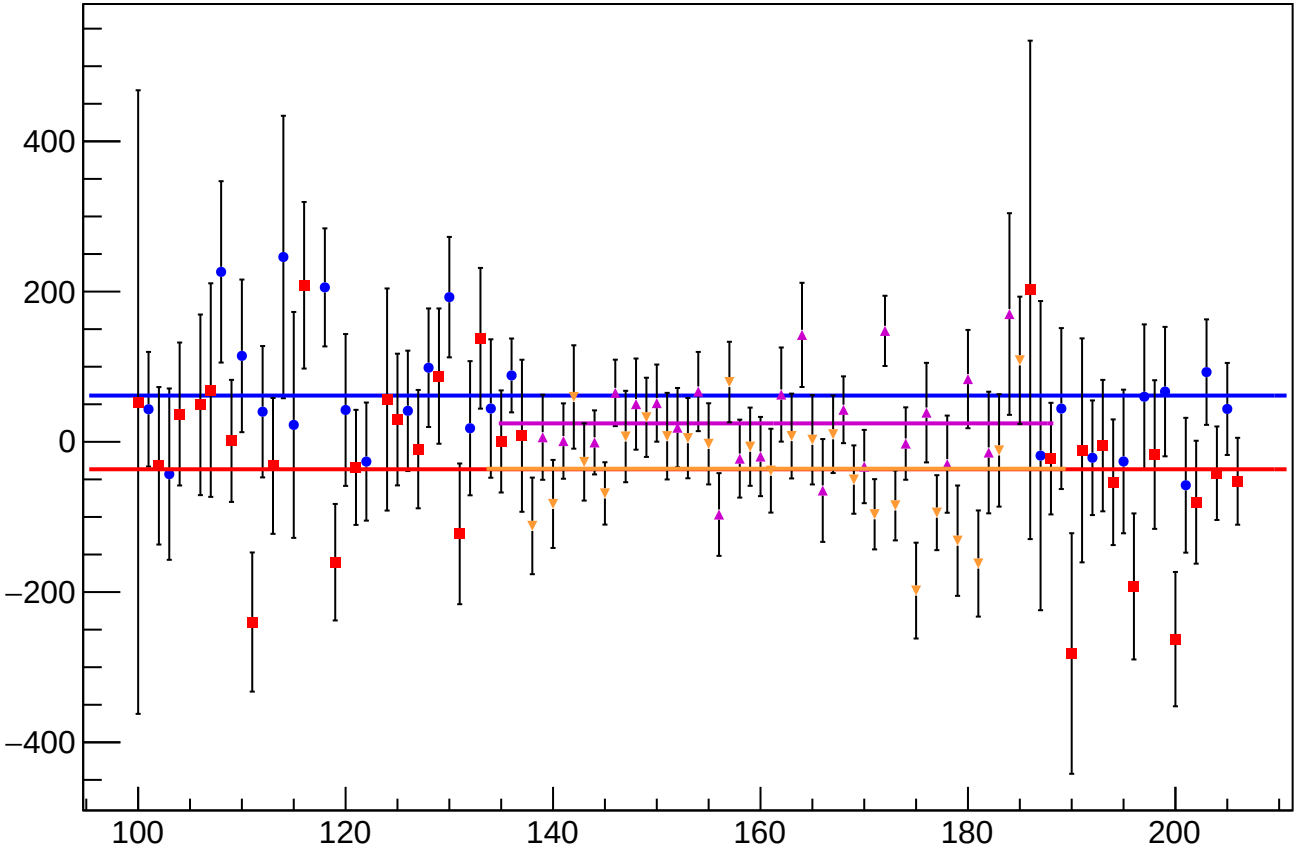
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 490.479+/-0.064 χ^2/NDF: 8513576.2/49

All: 494.147+/-0.046 χ^2/NDF: 18939332.3/10

- sign 497.884+/-0.065 χ^2/NDF: 10419214.8/53

eigen_cor_asym_sam_15_48_dd_mean vs Slug



Right In: 61.590+/-17.159 χ^2/NDF: 16.5/24

Left Out: -35.792+/-11.119 χ^2/NDF:33.7/24

Right Out: -36.527+/-16.386 χ^2/NDF: 34.4/30

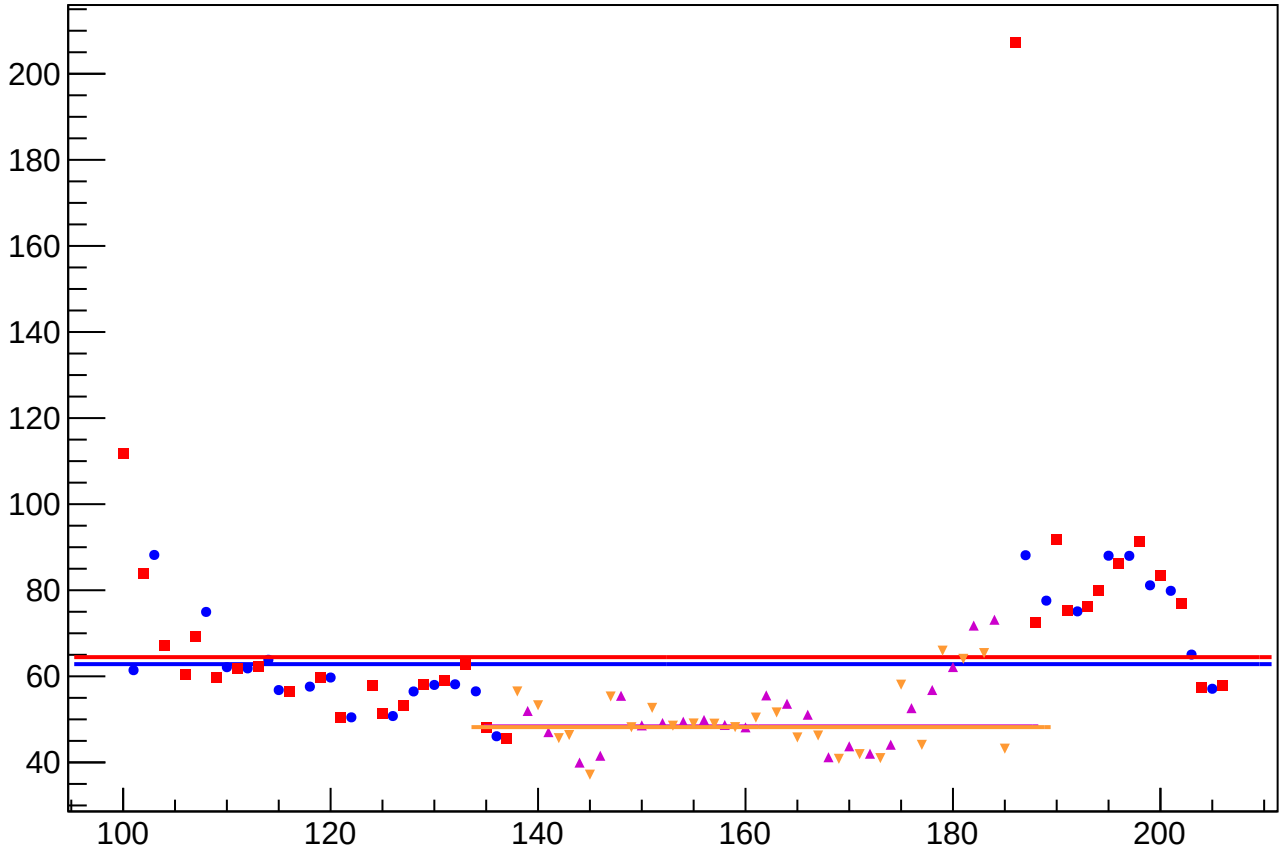
Left In: 24.573+/-11.471 χ^2/NDF:25.7/22

+ sign -6.992+/-9.331 χ^2/NDF: 72.9/49

All: -1.298+/-6.621 χ^2/NDF: 143.2/103

- sign 4.477+/-9.397 χ^2/NDF: 69.5/53

eigen_cor_asym_sam_15_48_dd_rms vs Slug



Right In: 62.833+/-0.012 χ^2/NDF: 1073549.7/24

Left Out: 48.198+/-0.008 χ^2/NDF:780285.2/24

Right Out: 64.459+/-0.012 χ^2/NDF: 1489378.5/30

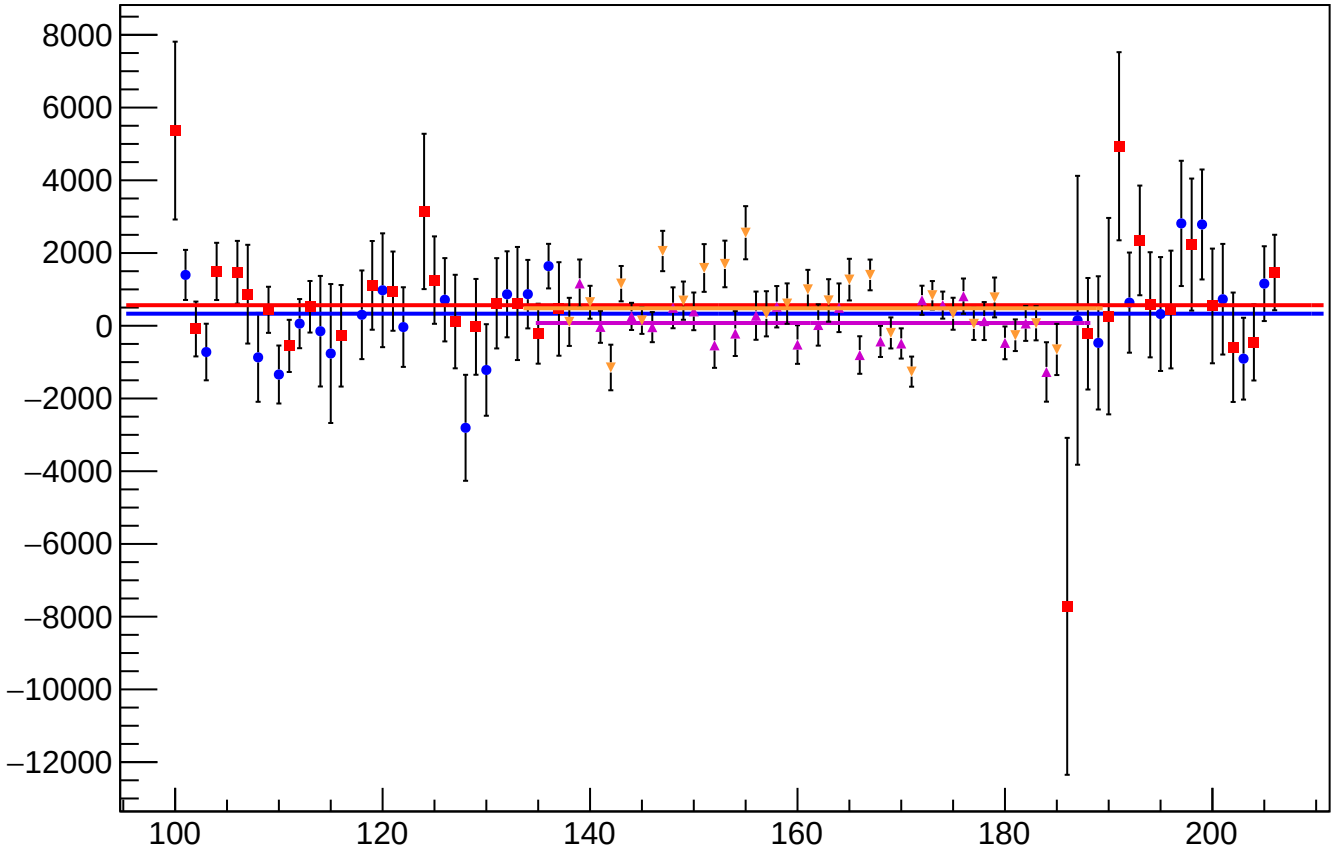
Left In: 48.381+/-0.008 χ^2/NDF:695381.8/22

+ sign 52.526+/-0.007 χ^2/NDF: 2878390.1/49

All: 53.094+/-0.005 χ^2/NDF: 6370346.6/103

- sign 53.669+/-0.007 χ^2/NDF: 3477074.2/53

asym_sam_15_48_dd_eigen_cor_correction_mean vs Slug



Right In: 331.758+/-216.052 χ^2/NDF: 28.7/24

Left Out: 480.210+/-100.526 χ^2/NDF:69.2/24

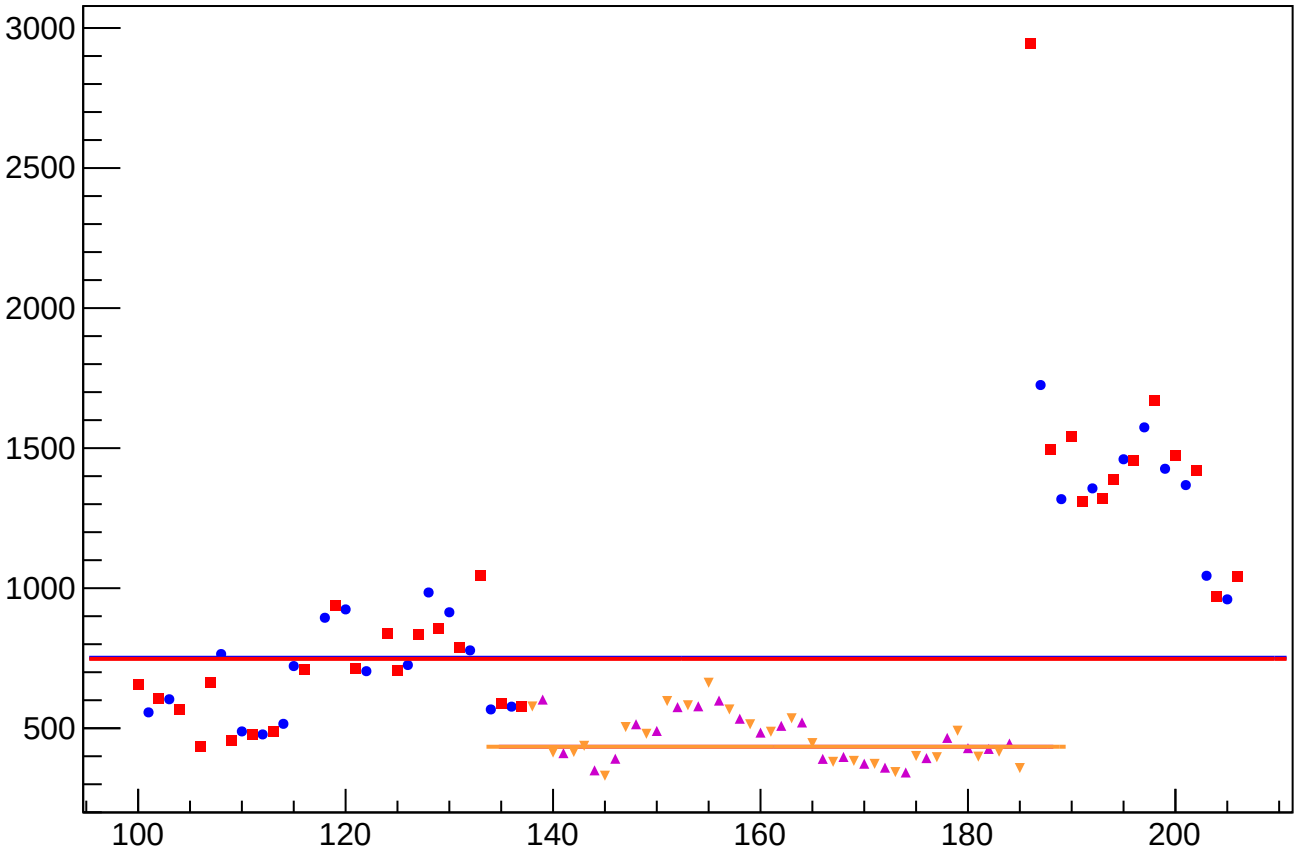
Right Out: 565.365+/-203.462 χ^2/NDF: 24.2/30

Left In: 75.665+/-103.128 χ^2/NDF:24.5/22

+ sign 453.791+/-91.143 χ^2/NDF: 98.3/49

All: 316.057+/-64.744 χ^2/NDF: 156.2/103

- sign 175.760+/-91.987 χ^2/NDF: 53.3/53



Right In: 751.615+/-0.153 χ^2/NDF: 3715542.9/24

Left Out: 433.945+/-0.071 χ^2/NDF:1243702.1/24

Right Out: 747.627+/-0.144 χ^2/NDF: 5536926.2/30

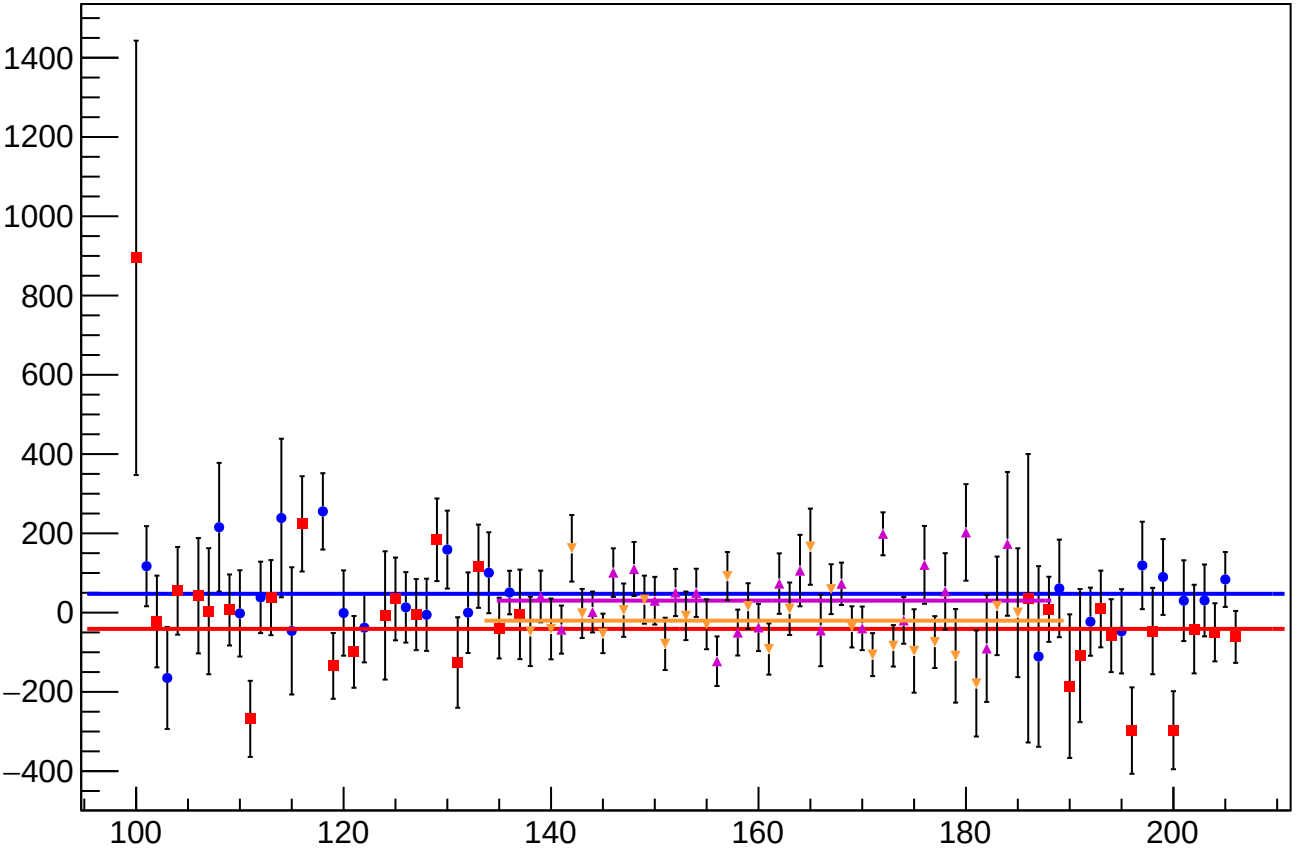
Left In: 433.722+/-0.073 χ^2/NDF:1094788.4/22

+ sign 490.479+/-0.064 χ^2/NDF: 8513576.2/49

All: 494.147+/-0.046 χ^2/NDF: 18939332.3/10

- sign 497.884+/-0.065 χ^2/NDF: 10419214.8/53

dit_asym_sam_15_48_dd_mean vs Slug



Right In: 47.450+/-19.635 χ^2/NDF: 16.7/24

Left Out: -20.270+/-13.636 χ^2/NDF:25.1/24

Right Out: -41.037+/-18.546 χ^2/NDF: 39.4/30

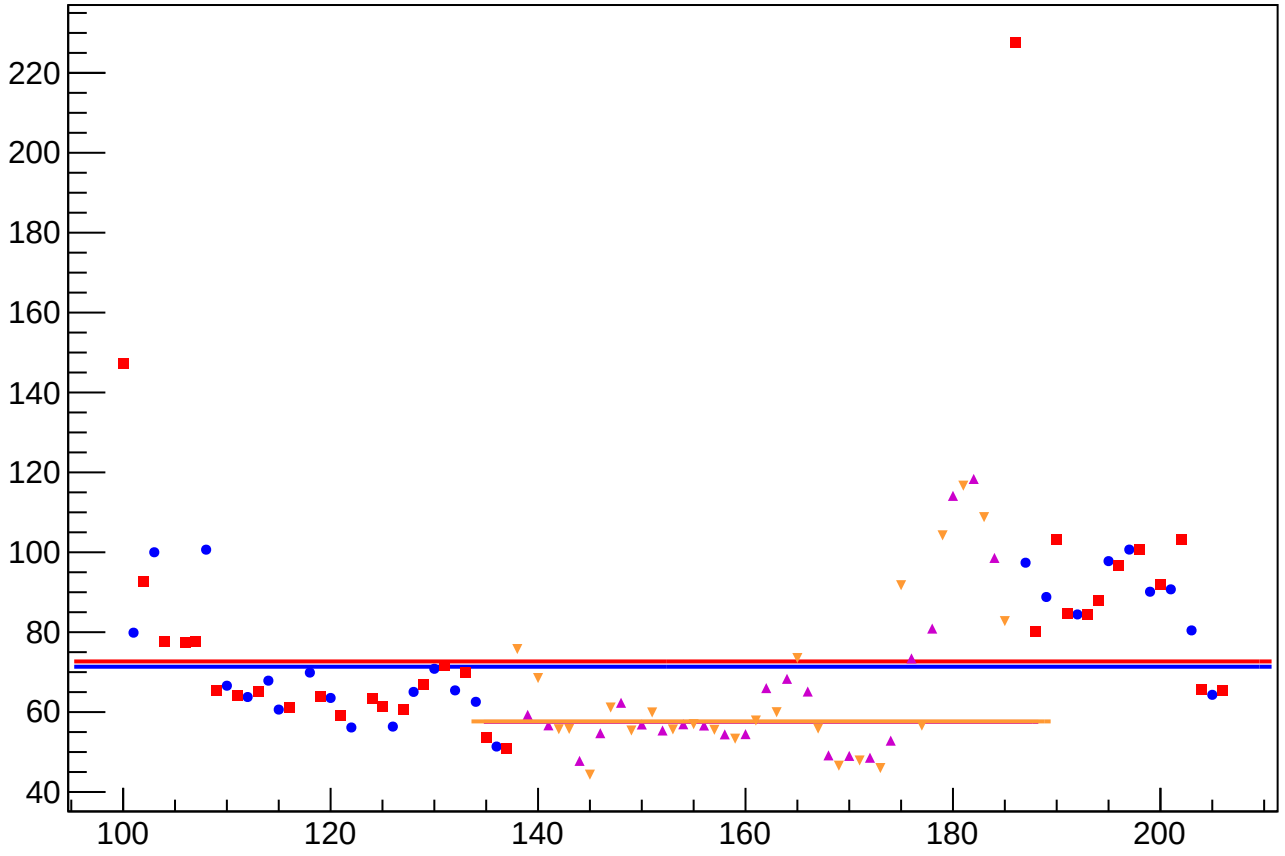
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 1.764+/-11.200 χ^2/NDF: 49.9/49

All: 3.120+/-7.907 χ^2/NDF: 131.4/103

- sign 4.467+/-11.163 χ^2/NDF: 81.4/53

dit_asym_sam_15_48_dd_rms vs Slug



Right In: 71.356+/-0.014 χ^2/NDF: 1197727.6/24

Left Out: 57.668+/-0.010 χ^2/NDF:1909743.5/24

Right Out: 72.679+/-0.013 χ^2/NDF: 1530205.2/30

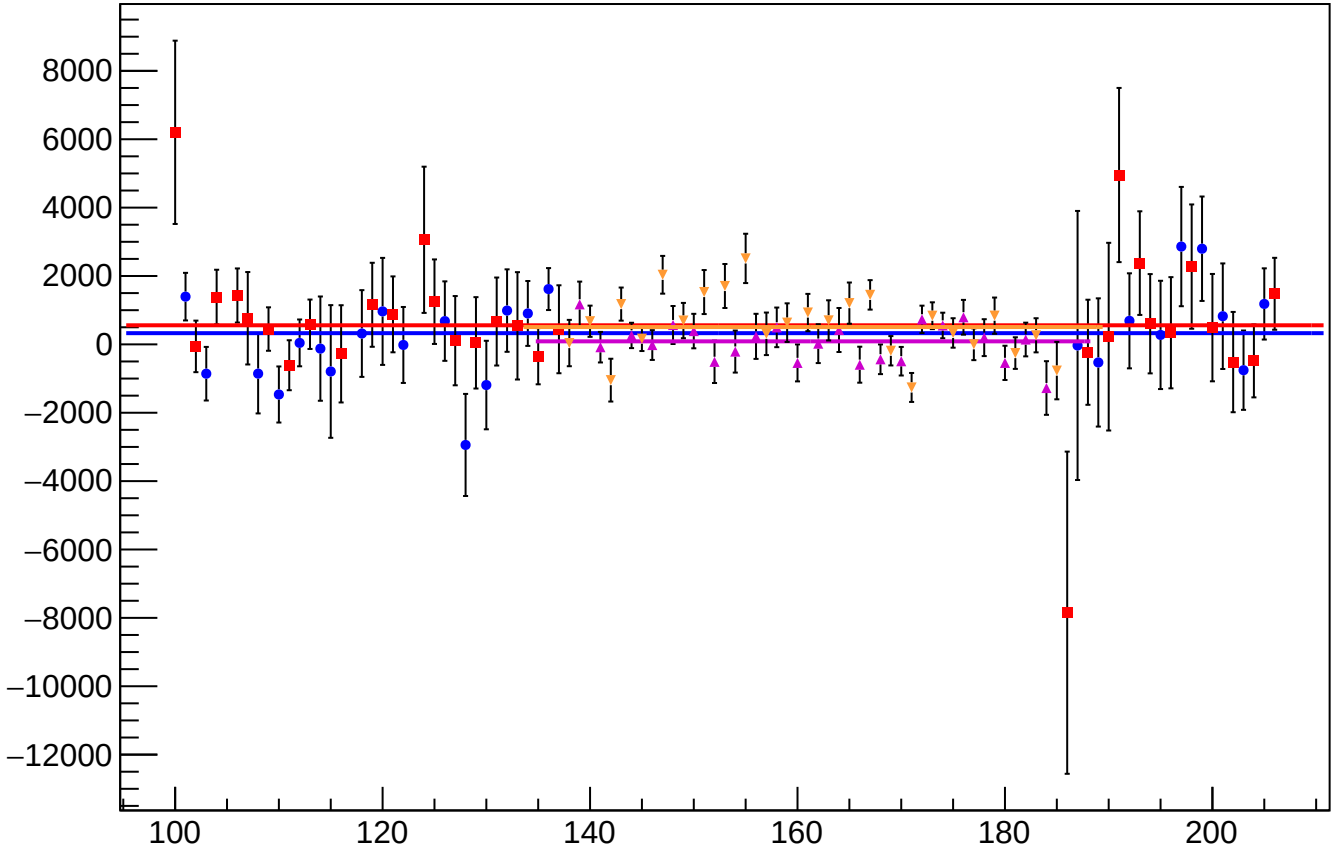
Left In: 57.539+/-0.010 χ^2/NDF:1443279.4/22

+ sign 62.122+/-0.008 χ^2/NDF: 3763132.4/49

All: 62.575+/-0.006 χ^2/NDF: 7593061.0/103

- sign 63.024+/-0.008 χ^2/NDF: 3823413.3/53

asym_sam_15_48_dd_dit_correction_mean vs Slug



Right In: 327.826+/-218.579 χ^2/NDF: 29.3/24

Left Out: 507.171+/-101.776 χ^2/NDF:65.8/24

Right Out: 558.222+/-204.318 χ^2/NDF: 24.9/30

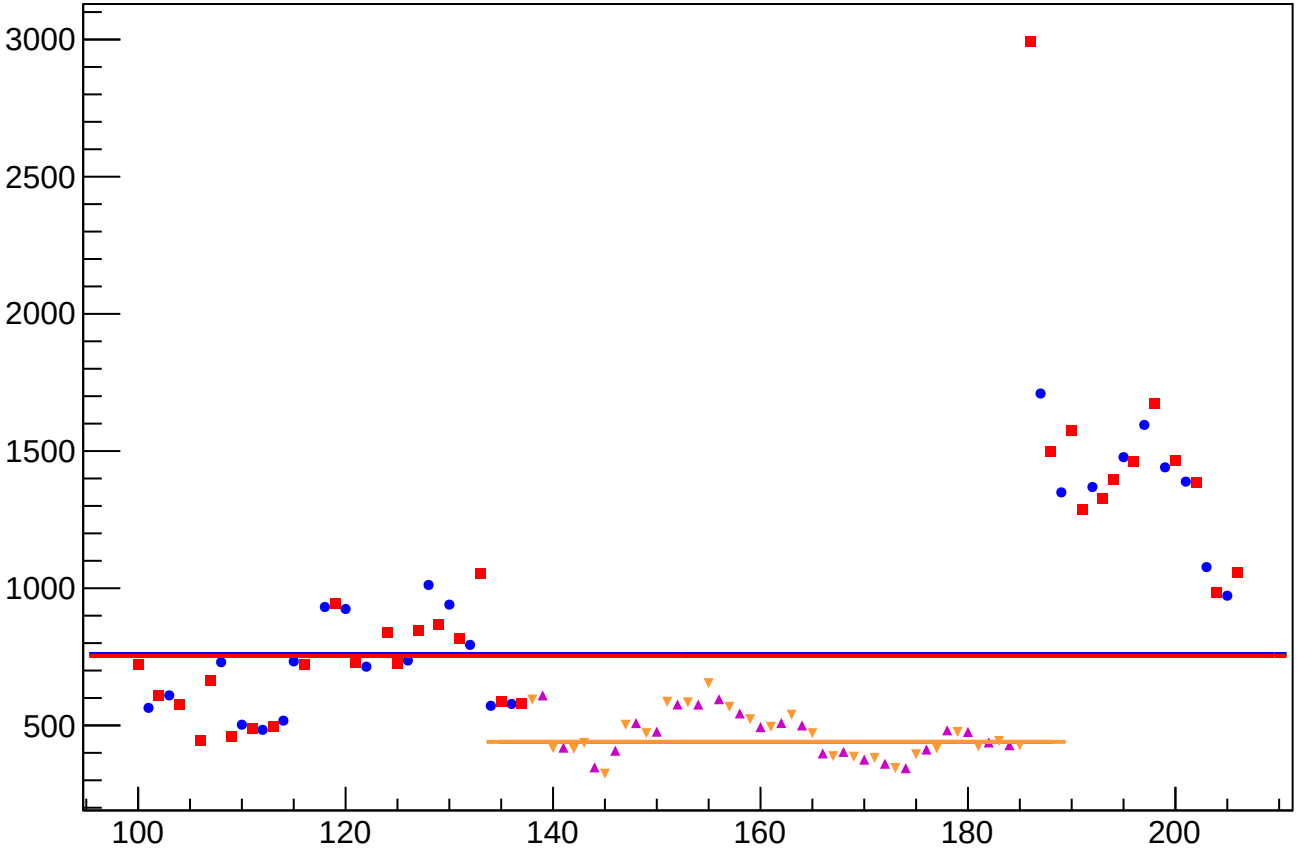
Left In: 88.471+/-104.542 χ^2/NDF:23.3/22

+ sign 475.215+/-92.265 χ^2/NDF: 95.7/49

All: 331.827+/-65.523 χ^2/NDF: 152.9/103

- sign 185.935+/-93.067 χ^2/NDF: 52.4/53

asym_sam_15_48_dd_dit_correction_rms vs Slug



Right In: 760.379+/-0.155 χ^2/NDF: 3750033.6/24

Left Out: 440.075+/-0.072 χ^2/NDF:1196985.5/24

Right Out: 753.052+/-0.144 χ^2/NDF: 5513687.5/30

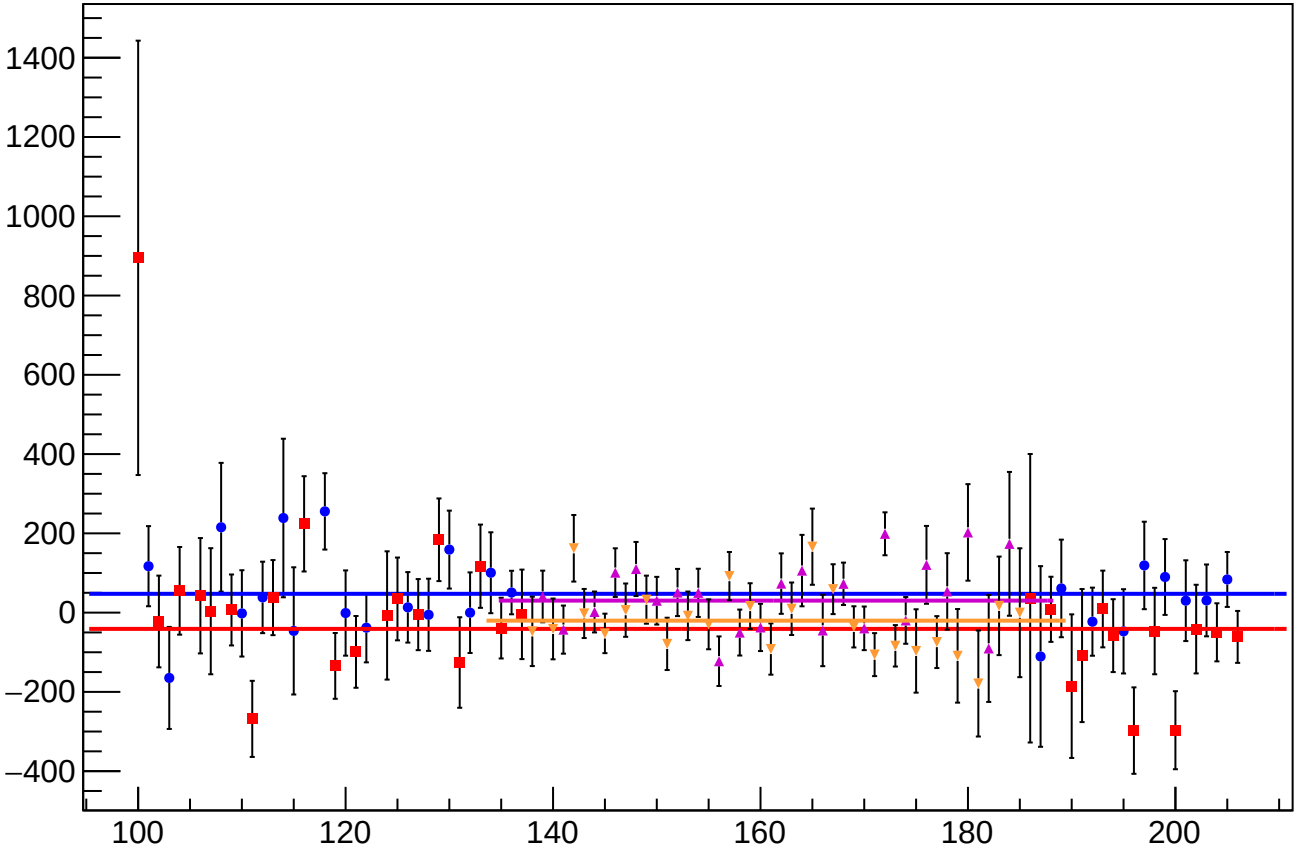
Left In: 439.877+/-0.074 χ^2/NDF:1061910.1/22

+ sign 497.146+/-0.065 χ^2/NDF: 8476541.5/49

All: 500.967+/-0.046 χ^2/NDF: 18783000.4/10

- sign 504.855+/-0.066 χ^2/NDF: 10299539.6/53

eigen_dit_asym_sam_15_48_dd_mean vs Slug



Right In: 47.448+/-19.635 χ^2/NDF: 16.7/24

Left Out: -20.271+/-13.636 χ^2/NDF:25.1/24

Right Out: -41.037+/-18.546 χ^2/NDF: 39.4/30

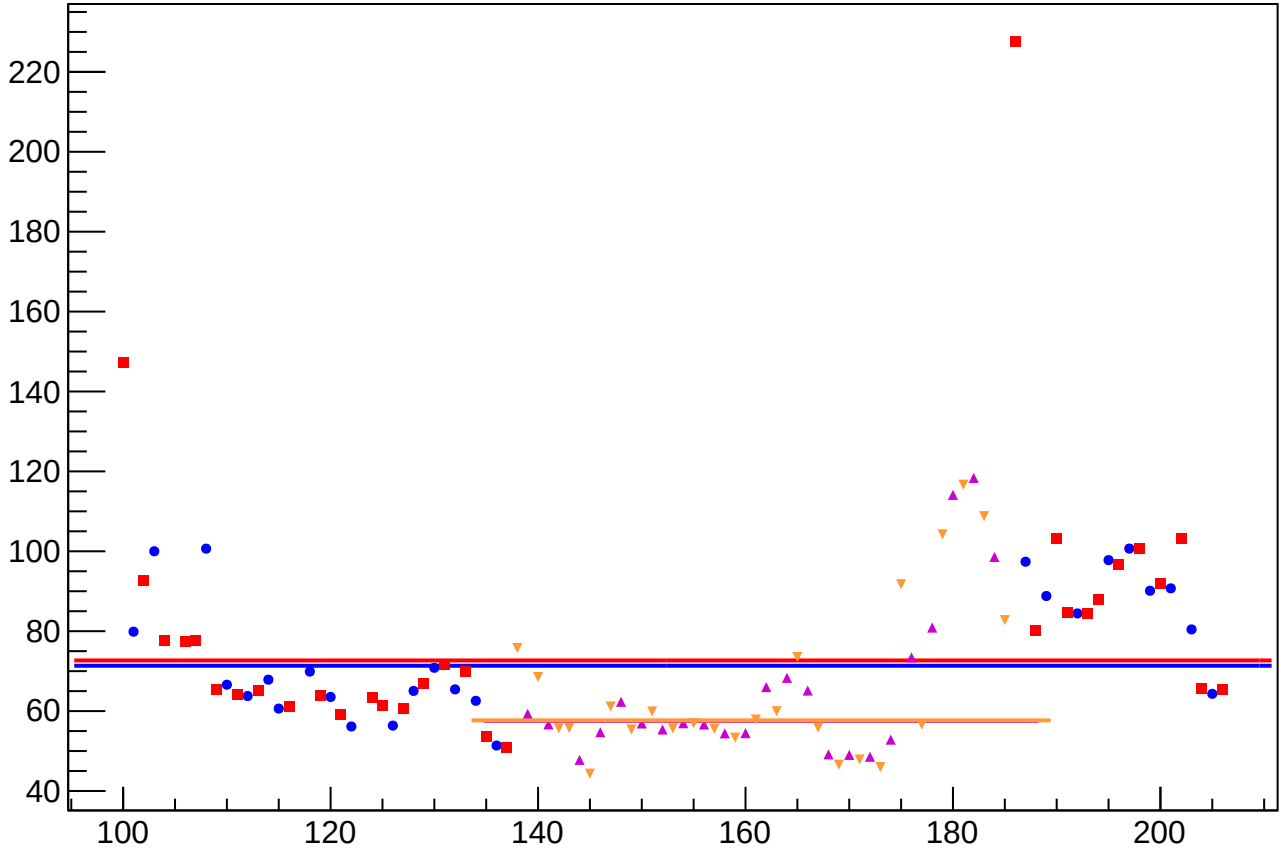
Left In: 30.318+/-13.979 χ^2/NDF:32.6/22

+ sign 1.764+/-11.200 χ^2/NDF: 49.9/49

All: 3.120+/-7.907 χ^2/NDF: 131.4/103

- sign 4.467+/-11.163 χ^2/NDF: 81.4/53

eigen_dit_asym_sam_15_48_dd_rms vs Slug



Right In: 71.356+/-0.014 χ^2/NDF: 1197716.5/24

Left Out: 57.668+/-0.010 χ^2/NDF:1909739.8/24

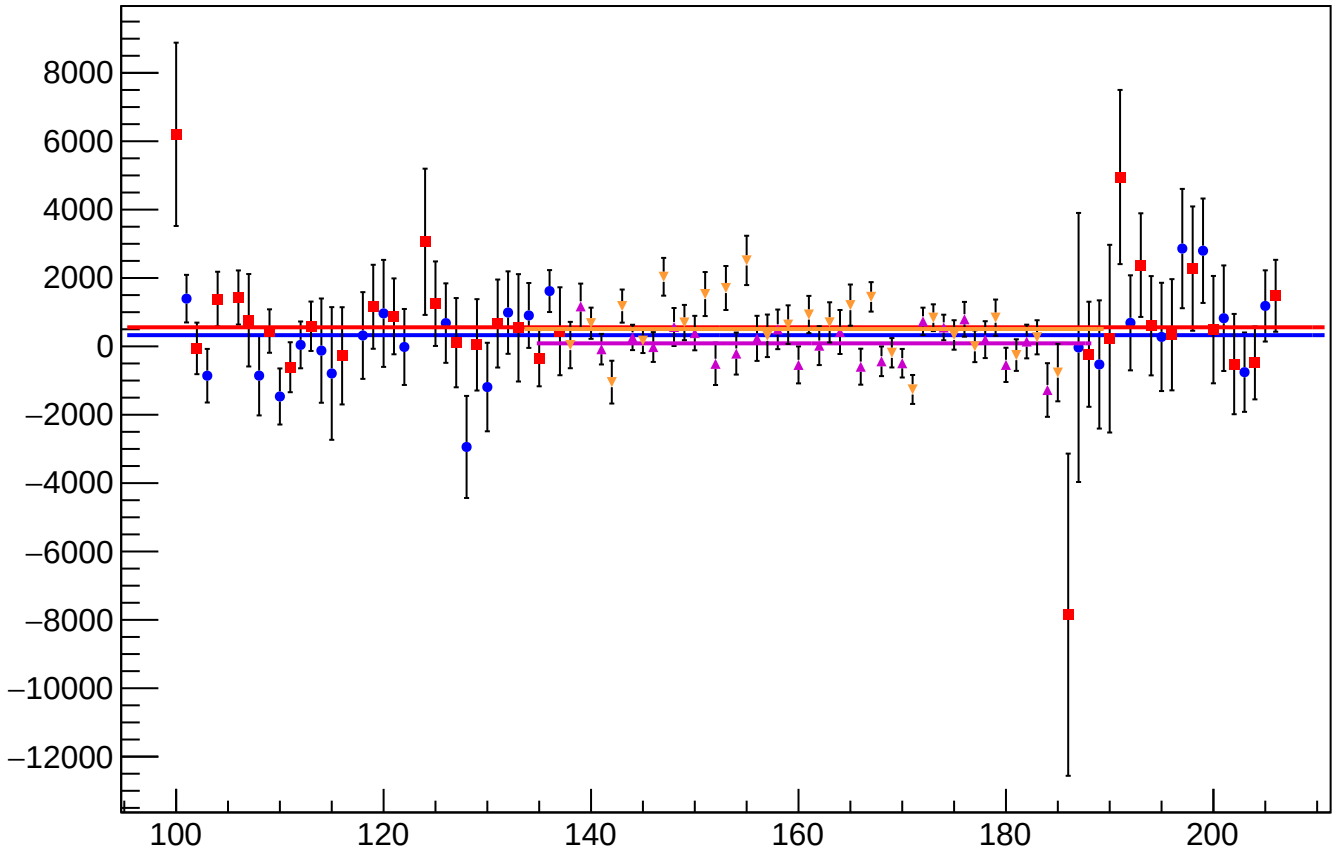
Right Out: 72.679+/-0.013 χ^2/NDF: 1530219.8/30

Left In: 57.539+/-0.010 χ^2/NDF:1443262.3/22

+ sign 62.122+/-0.008 χ^2/NDF: 3763095.5/49

All: 62.575+/-0.006 χ^2/NDF: 7593006.4/103

- sign 63.024+/-0.008 χ^2/NDF: 3823396.2/53



Right In: 327.825+/-218.579 χ^2/NDF: 29.3/24

Left Out: 507.170+/-101.776 χ^2/NDF:65.8/24

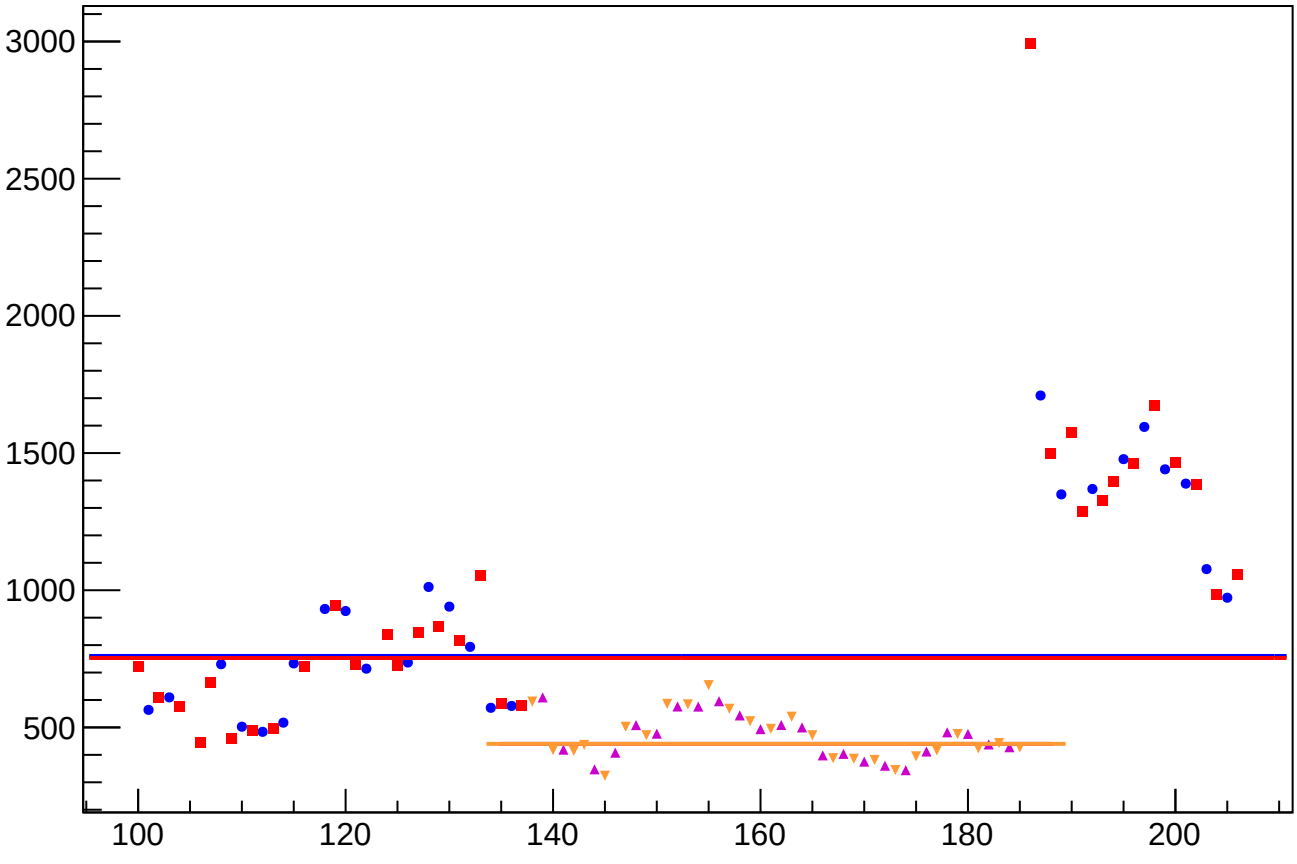
Right Out: 558.221+/-204.317 χ^2/NDF: 24.9/30

Left In: 88.471+/-104.541 χ^2/NDF:23.3/22

+ sign 475.214+/-92.264 χ^2/NDF: 95.7/49

All: 331.826+/-65.523 χ^2/NDF: 152.9/103

- sign 185.935+/-93.066 χ^2/NDF: 52.4/53



Right In: 760.378+/-0.155 χ^2/NDF: 3750036.0/24

Left Out: 440.074+/-0.072 χ^2/NDF:1196993.4/24

Right Out: 753.051+/-0.144 χ^2/NDF: 5513690.7/30

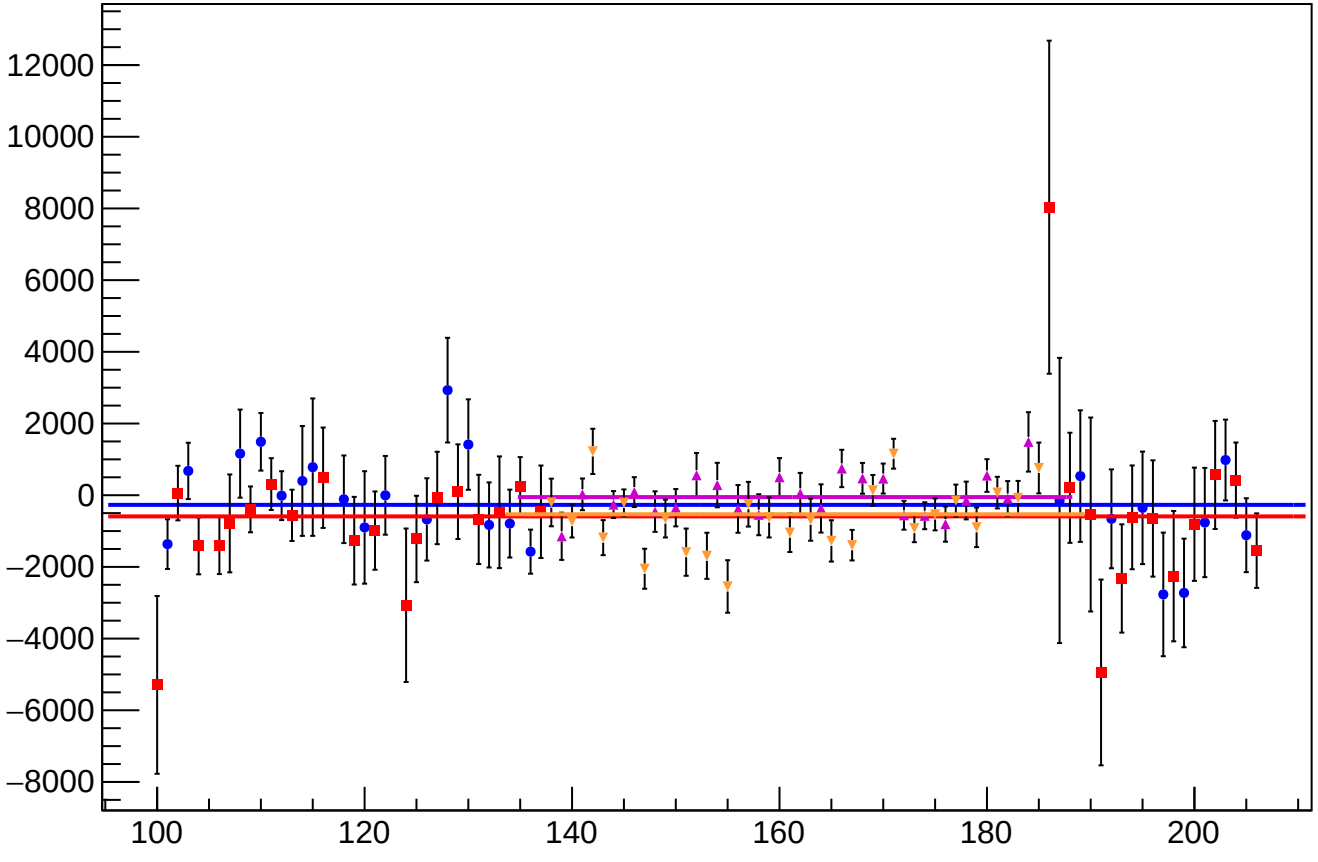
Left In: 439.876+/-0.074 χ^2/NDF:1061916.6/22

+ sign 497.145+/-0.065 χ^2/NDF: 8476565.2/49

All: 500.966+/-0.046 χ^2/NDF: 18783051.7/10

- sign 504.853+/-0.066 χ^2/NDF: 10299567.4/53

asym_sam_15_48_dd_mean vs Slug



Right In: -269.113+/-217.114 χ^2/NDF: 29.7/24

Left Out: -531.569+/-101.245 χ^2/NDF:65.6/24

Right Out: -591.051+/-203.631 χ^2/NDF: 23.2/30

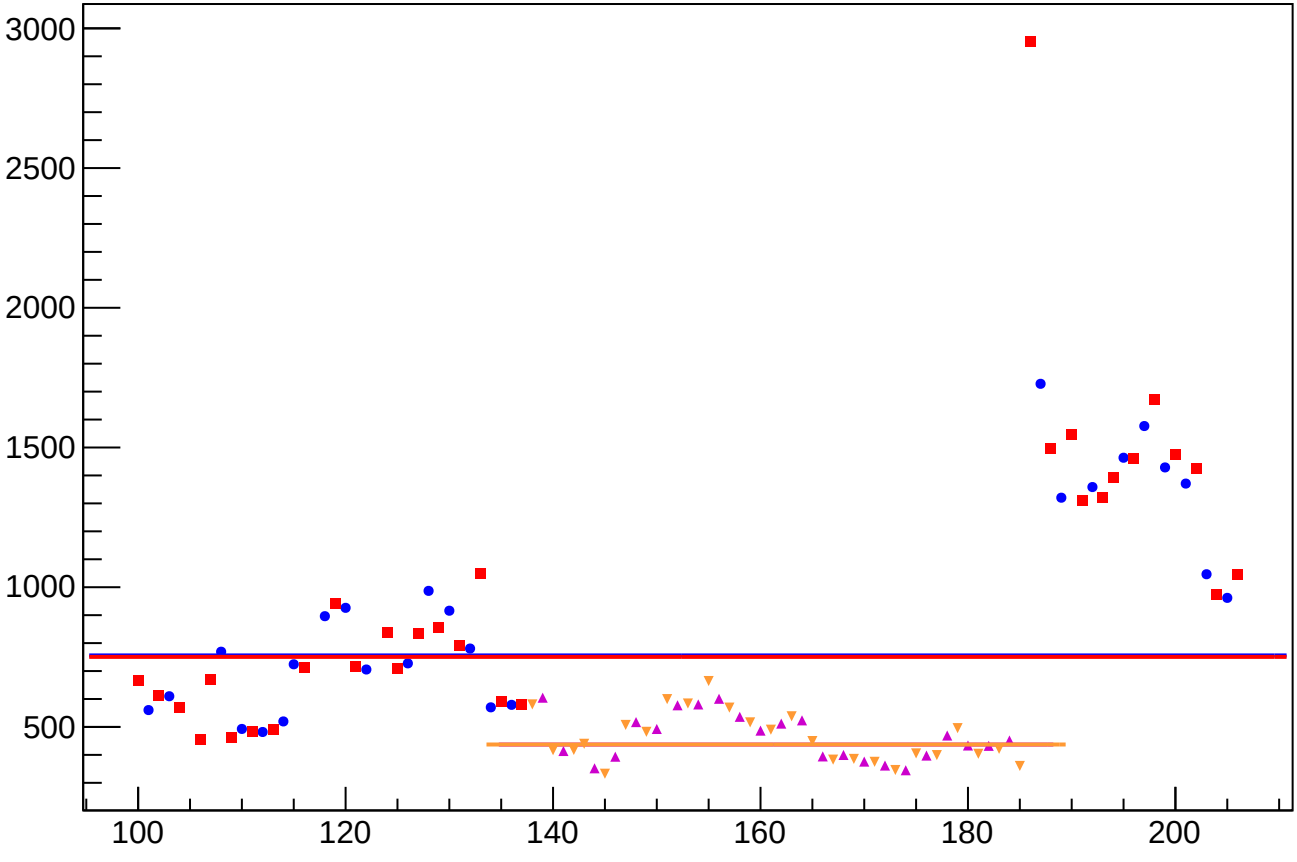
Left In: -52.554+/-103.870 χ^2/NDF:24.1/22

+ sign -484.690+/-91.759 χ^2/NDF: 96.5/49

All: -325.553+/-65.153 χ^2/NDF: 155.4/103

- sign -163.737+/-92.528 χ^2/NDF: 52.9/53

asym_sam_15_48_dd_rms vs Slug



Right In: 755.927+/-0.154 χ^2/NDF: 3677314.5/24

Left Out: 437.157+/-0.072 χ^2/NDF:1227453.3/24

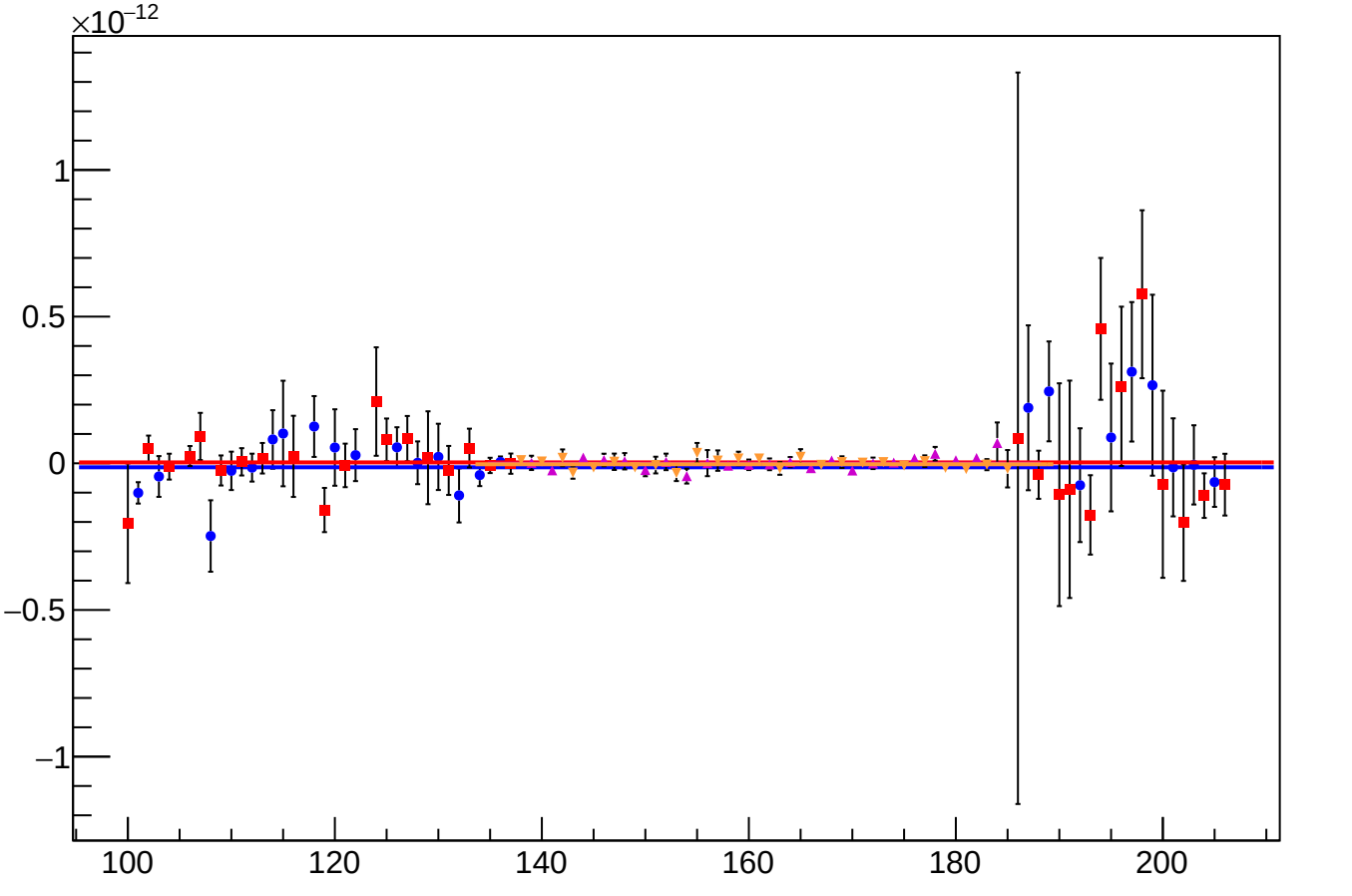
Right Out: 750.724+/-0.144 χ^2/NDF: 5489601.5/30

Left In: 436.937+/-0.073 χ^2/NDF:1080038.0/22

+ sign 494.094+/-0.065 χ^2/NDF: 8446017.6/49

All: 497.878+/-0.046 χ^2/NDF: 18791082.6/10

- sign 501.725+/-0.065 χ^2/NDF: 10338206.8/53



Right In: -0.000+/-0.000 χ^2/NDF: 23.1/24

Left Out: -0.000+/-0.000 χ^2/NDF:14.3/24

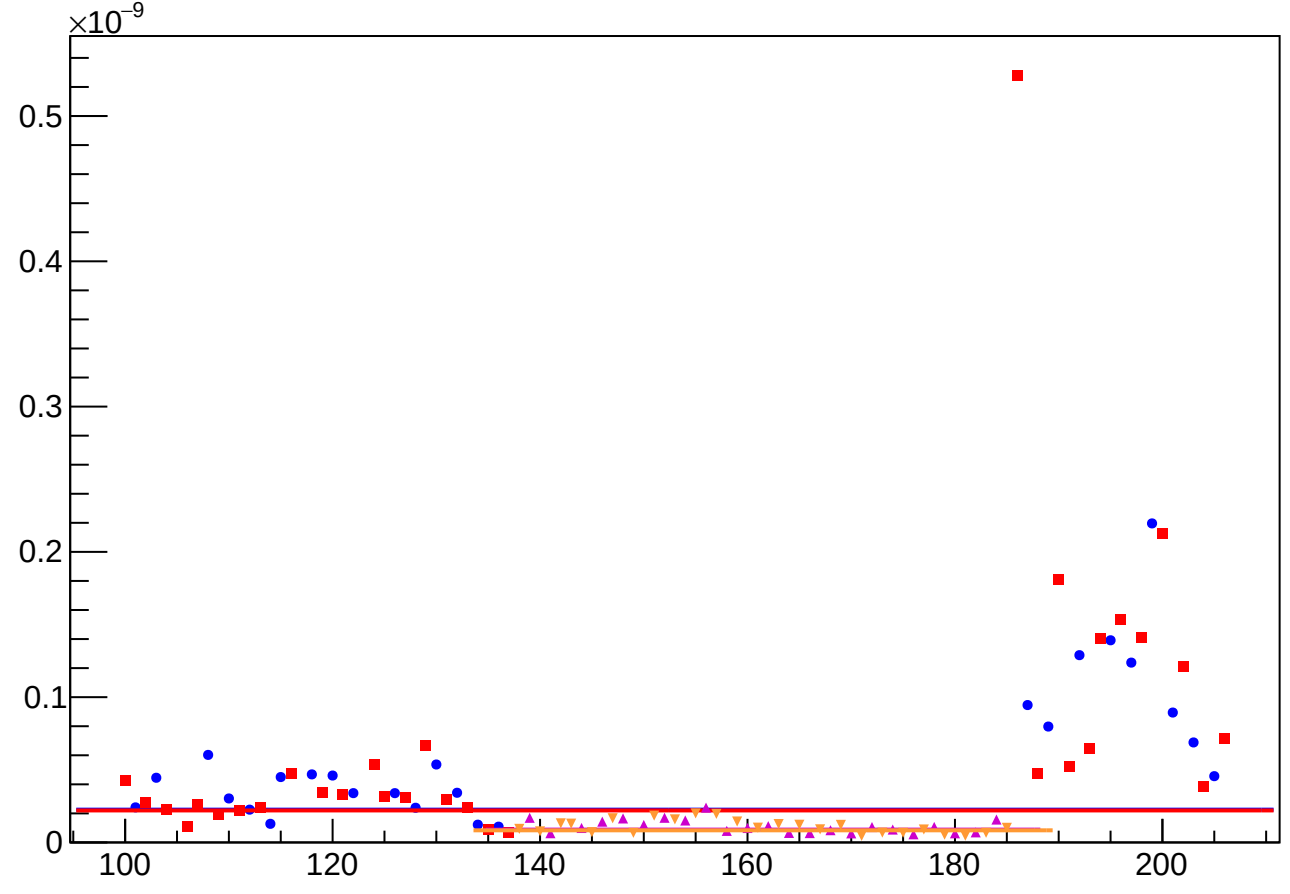
Right Out: 0.000+/-0.000 χ^2/NDF: 27.6/30

Left In: -0.000+/-0.000 χ^2/NDF:22.0/22

+ sign -0.000+/-0.000 χ^2/NDF: 38.1/49

All: -0.000+/-0.000 χ^2/NDF: 88.3/103

- sign -0.000+/-0.000 χ^2/NDF: 49.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 5125596.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2207304.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5749823.7/30

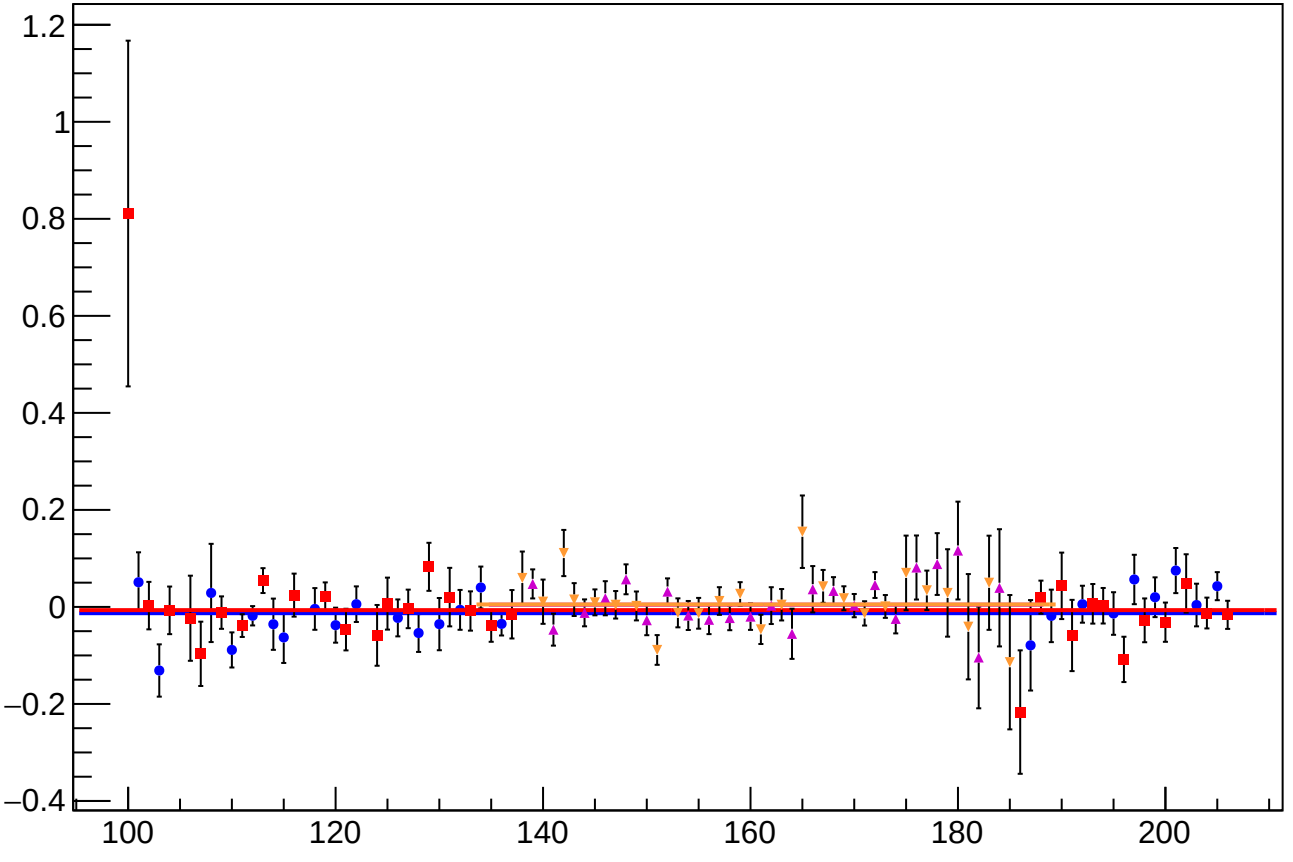
Left In: 0.000+/-0.000 χ^2/NDF:1644276.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9824589.2/49

All: 0.000+/-0.000 χ^2/NDF: 19580114.5/103

- sign 0.000+/-0.000 χ^2/NDF: 9720606.1/53

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.007+/-0.007 χ^2/NDF: 33.2/30

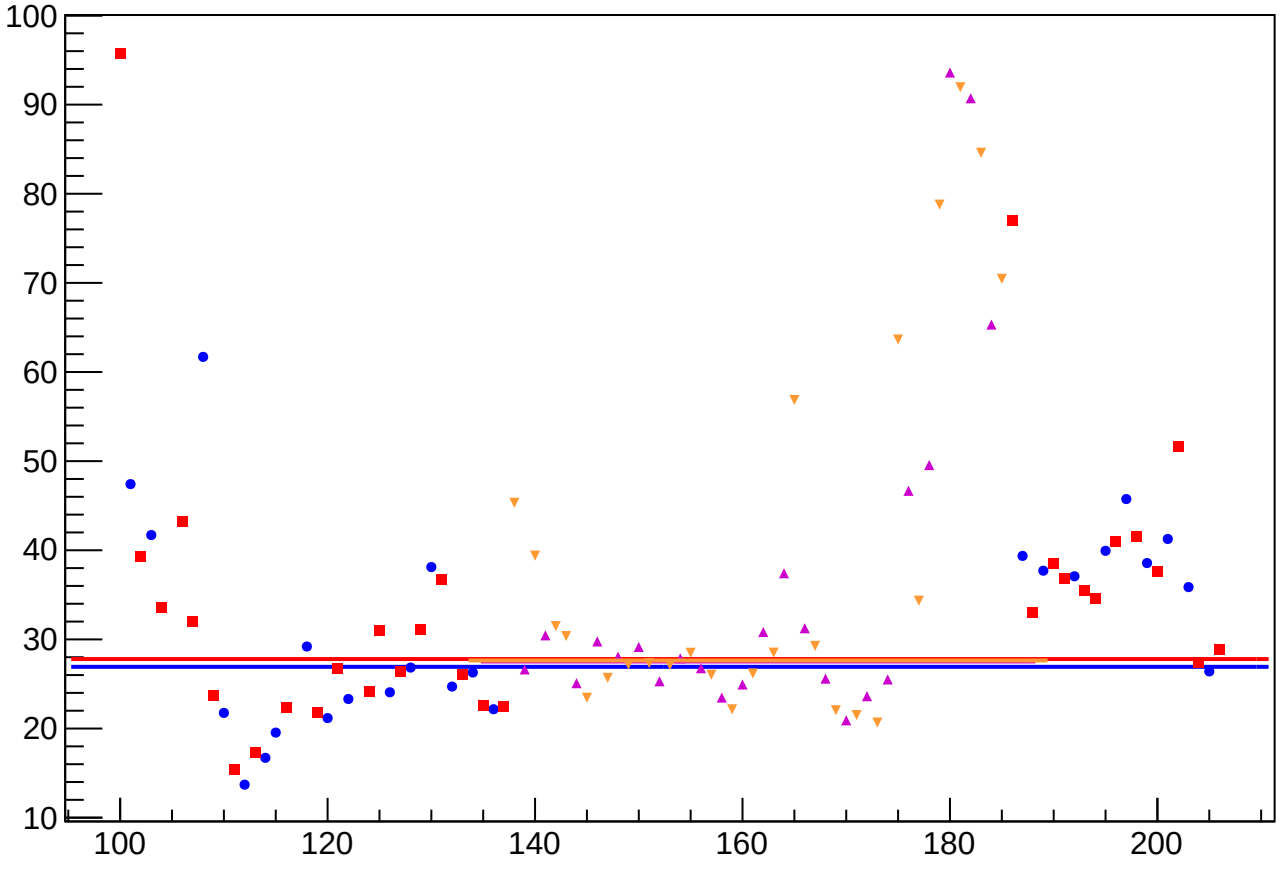
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.003+/-0.005 χ^2/NDF: 58.2/49

All: -0.002+/-0.004 χ^2/NDF: 117.7/103

- sign -0.001+/-0.005 χ^2/NDF: 59.5/53

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.923+/-0.006 χ^2/NDF: 3043421.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

Right Out: 27.797+/-0.005 χ^2/NDF: 2822047.3/30

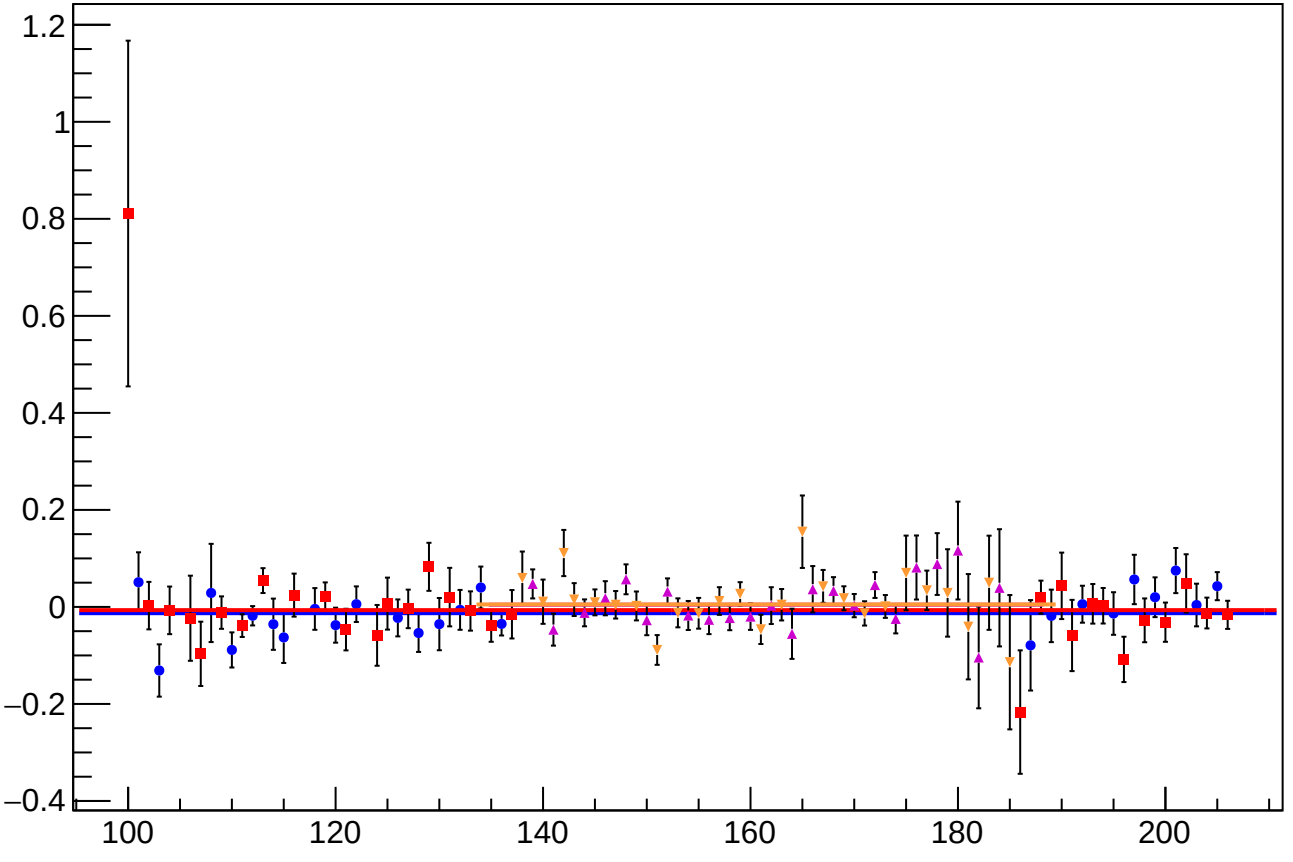
Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.328+/-0.004 χ^2/NDF: 7026820.6/49

All: 27.493+/-0.003 χ^2/NDF: 12488861.5/103

- sign 27.653+/-0.004 χ^2/NDF: 5458024.9/53

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs Slug



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

Right Out: -0.007+/-0.007 χ^2/NDF: 33.2/30

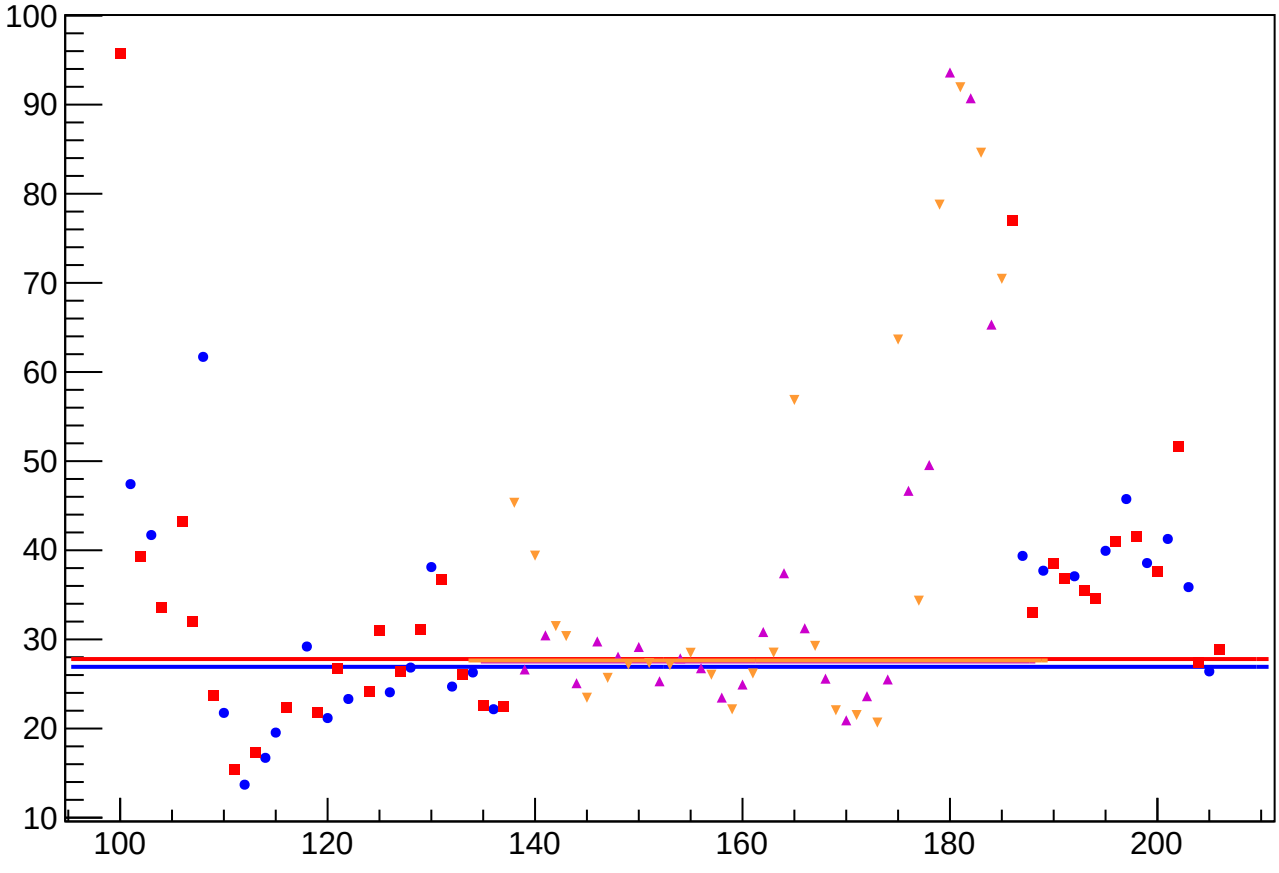
Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.003+/-0.005 χ^2/NDF: 58.2/49

All: -0.002+/-0.004 χ^2/NDF: 117.7/103

- sign -0.001+/-0.005 χ^2/NDF: 59.5/53

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.923+/-0.006 χ^2/NDF: 3043421.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974084.8/24

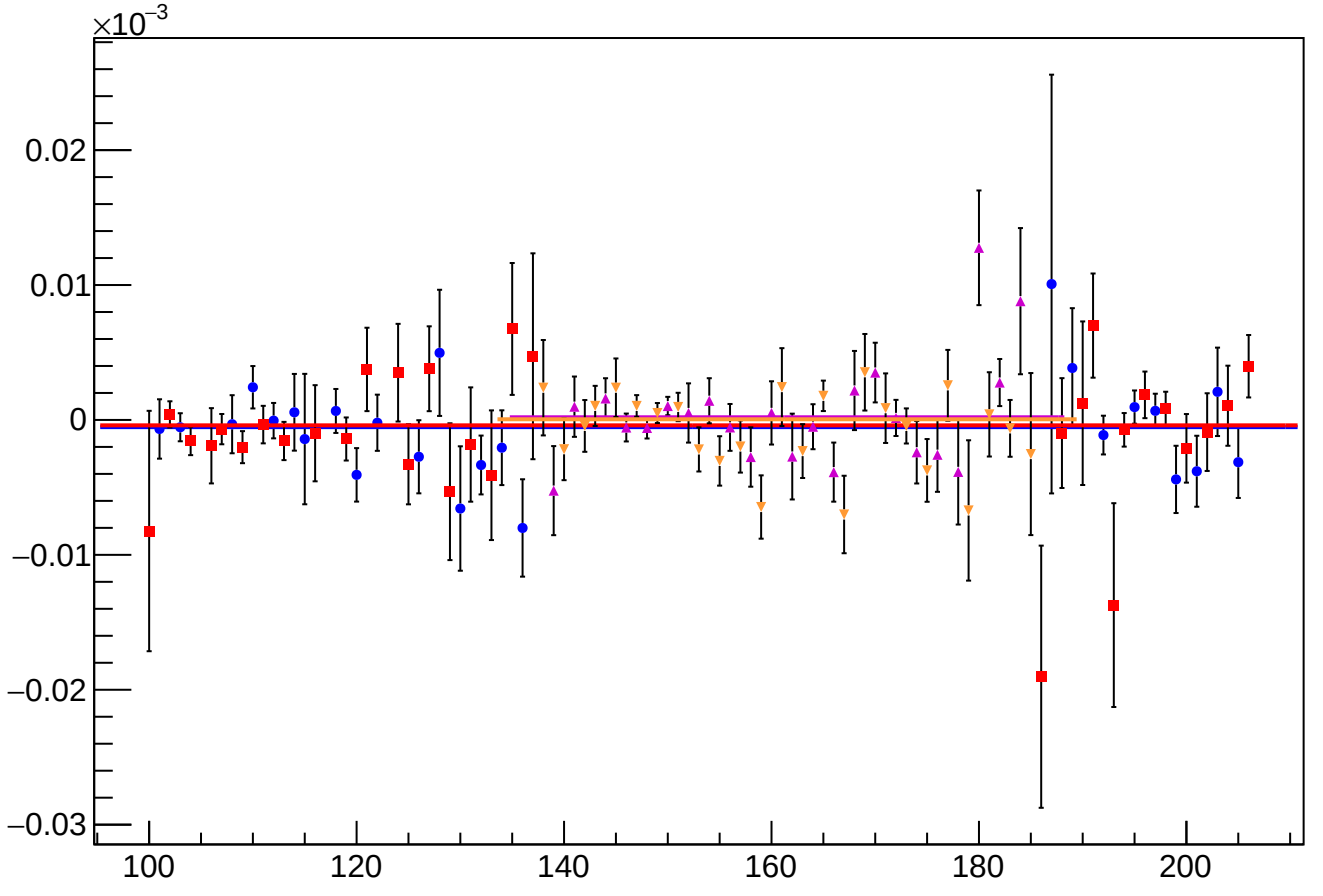
Right Out: 27.797+/-0.005 χ^2/NDF: 2822047.3/30

Left In: 27.524+/-0.005 χ^2/NDF:2634540.9/22

+ sign 27.328+/-0.004 χ^2/NDF: 7026820.6/49

All: 27.493+/-0.003 χ^2/NDF: 12488861.5/103

- sign 27.653+/-0.004 χ^2/NDF: 5458024.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 27.1/24

Left Out: 0.000+/-0.000 χ^2/NDF:37.0/24

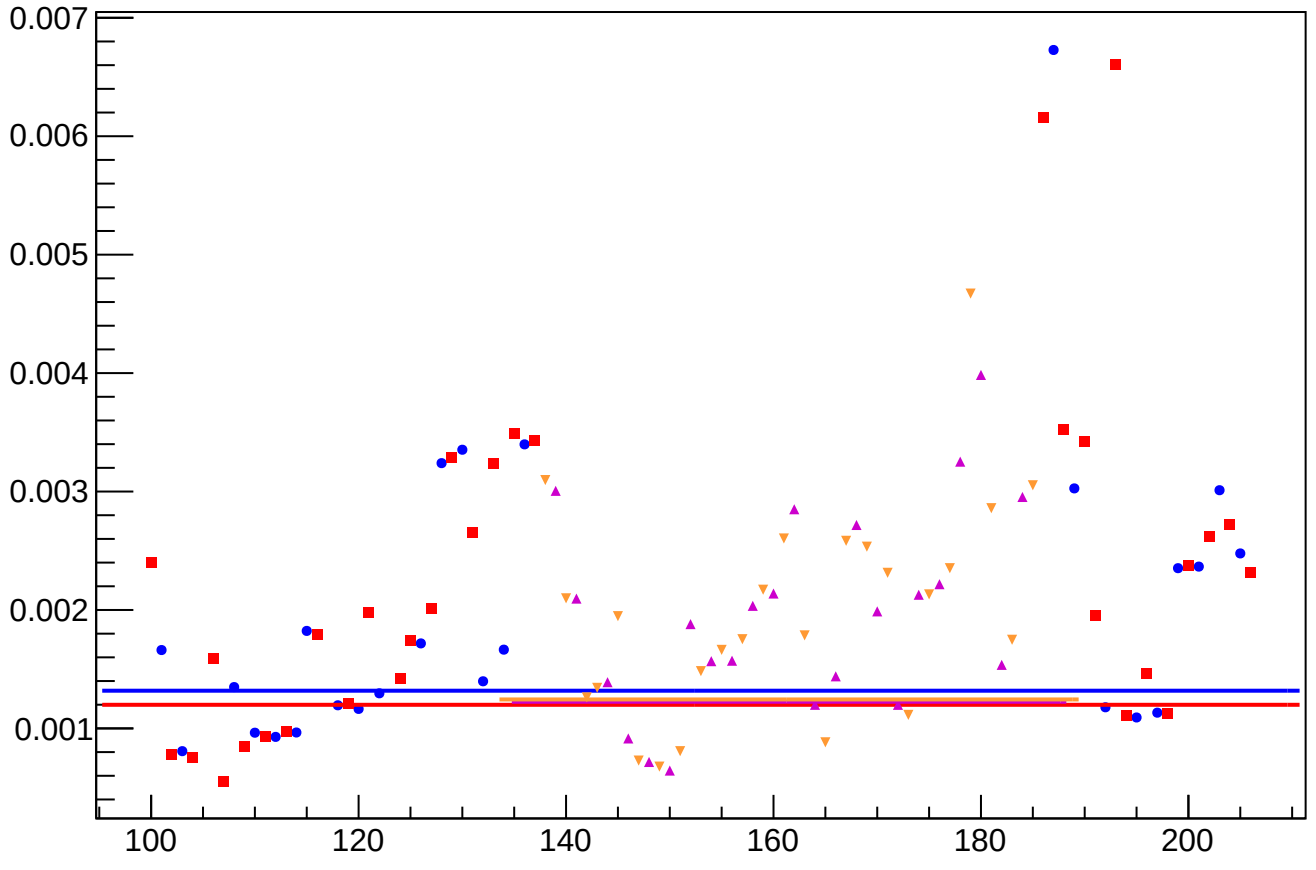
Right Out: -0.000+/-0.000 χ^2/NDF: 33.5/30

Left In: 0.000+/-0.000 χ^2/NDF:33.3/22

\+ sign -0.000+/-0.000 χ^2/NDF: 65.4/49

All: -0.000+/-0.000 χ^2/NDF: 133.8/103

\- sign -0.000+/-0.000 χ^2/NDF: 68.3/53



Right In: 0.001+/-0.000 χ^2/NDF: 4600517.2/24

Left Out: 0.001+/-0.000 χ^2/NDF:8341059.1/24

Right Out: 0.001+/-0.000 χ^2/NDF: 8239396.8/30

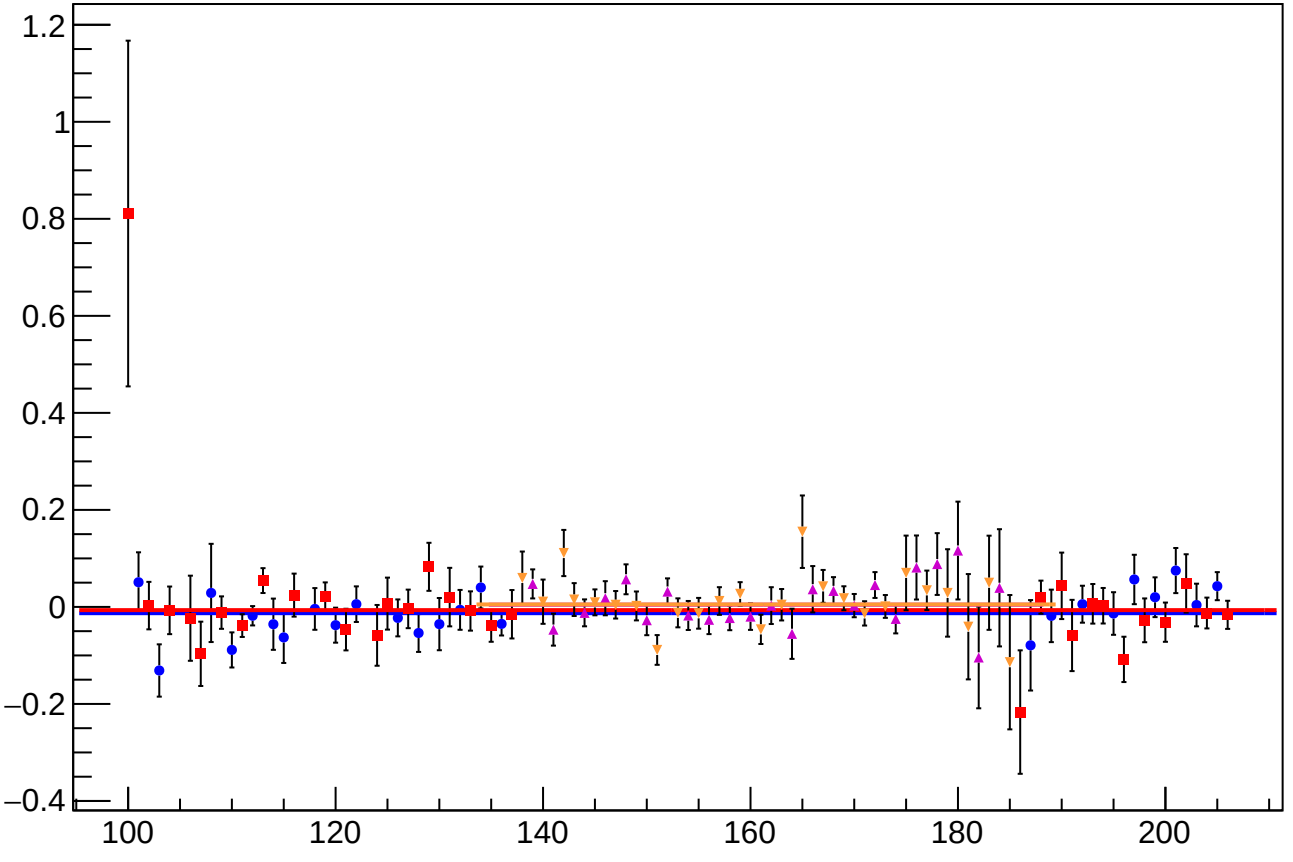
Left In: 0.001+/-0.000 χ^2/NDF:7822849.8/22

+ sign 0.001+/-0.000 χ^2/NDF: 12983075.1/49

All: 0.001+/-0.000 χ^2/NDF: 29112556.3/103

- sign 0.001+/-0.000 χ^2/NDF: 16067979.8/53

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

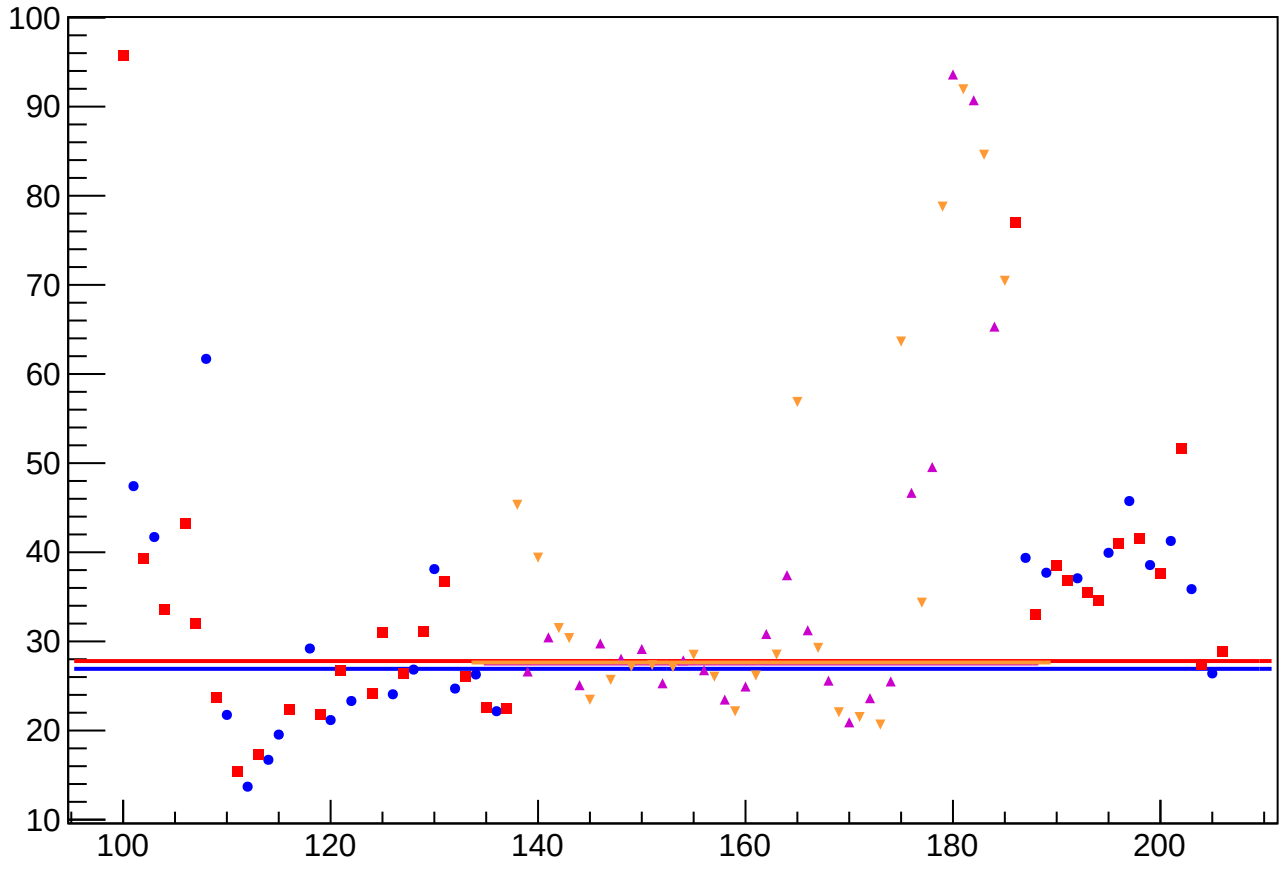
Right Out: -0.007+/-0.007 χ^2/NDF: 33.2/30

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.003+/-0.005 χ^2/NDF: 58.2/49

All: -0.002+/-0.004 χ^2/NDF: 117.7/103

- sign -0.001+/-0.005 χ^2/NDF: 59.5/53



Right In: 26.923+/-0.006 χ^2/NDF: 3043418.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

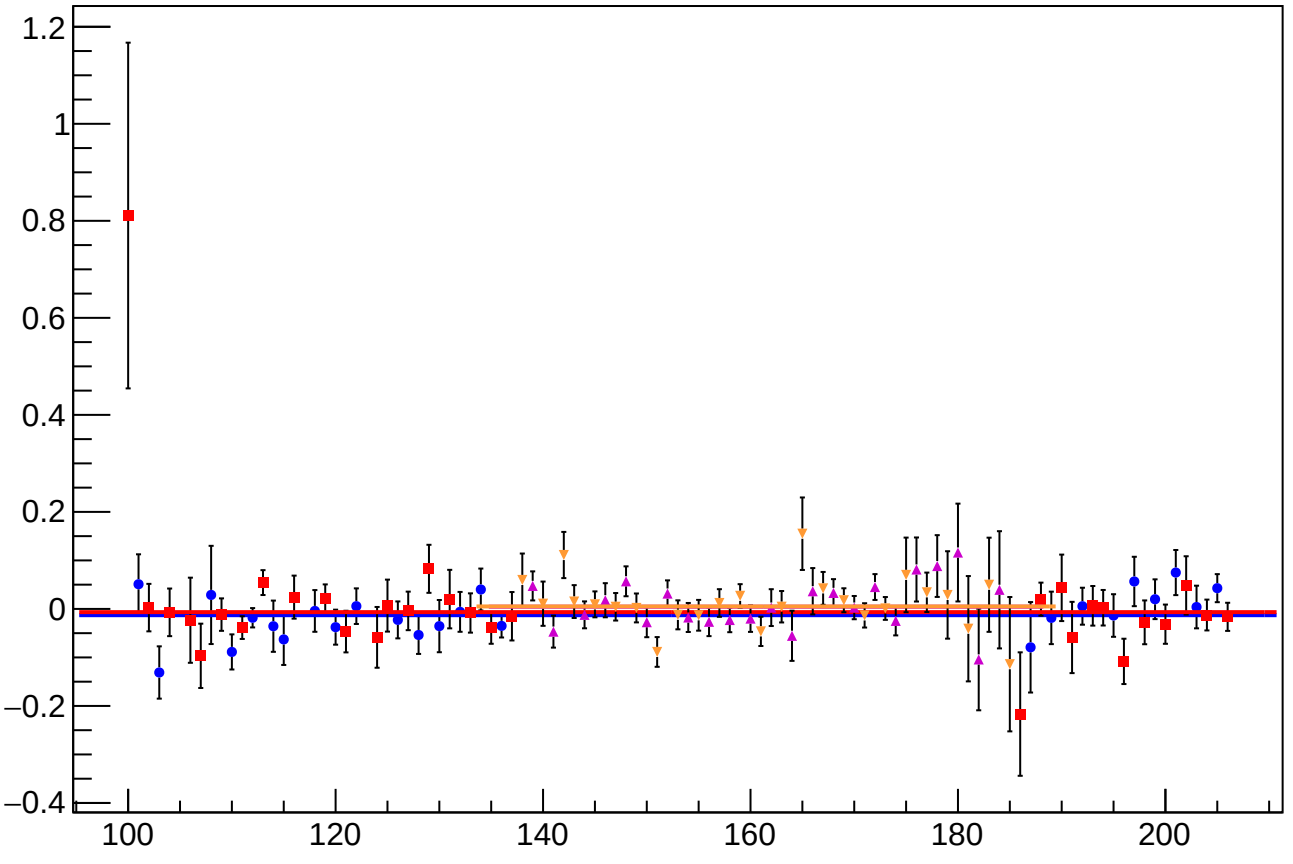
Right Out: 27.797+/-0.005 χ^2/NDF: 2822161.5/30

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.328+/-0.004 χ^2/NDF: 7026771.5/49

All: 27.493+/-0.003 χ^2/NDF: 12488889.0/103

- sign 27.653+/-0.004 χ^2/NDF: 5458103.3/53



Right In: -0.013+/-0.008 χ^2/NDF: 26.8/24

Left Out: 0.005+/-0.007 χ^2/NDF:28.4/24

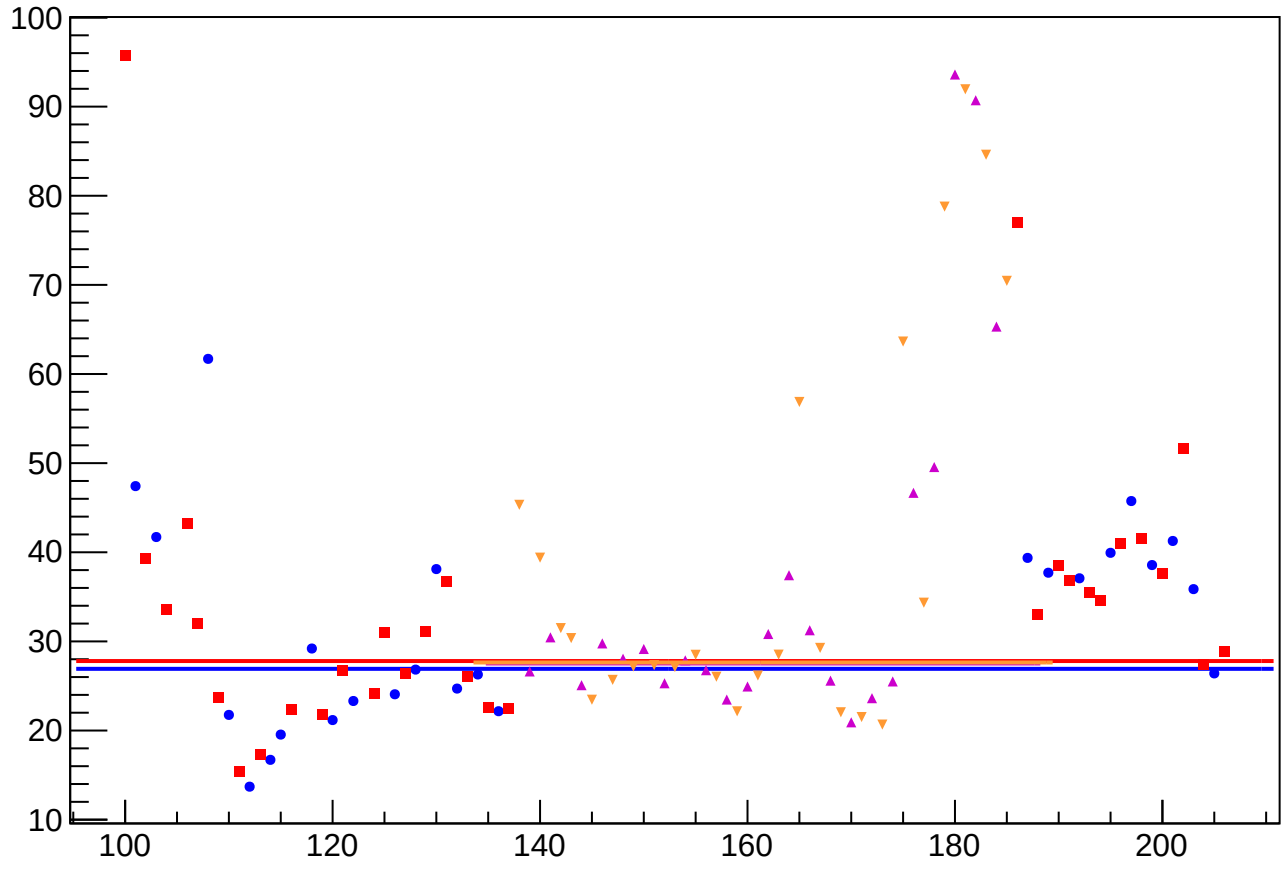
Right Out: -0.007+/-0.007 χ^2/NDF: 33.2/30

Left In: 0.005+/-0.007 χ^2/NDF:25.1/22

+ sign -0.003+/-0.005 χ^2/NDF: 58.2/49

All: -0.002+/-0.004 χ^2/NDF: 117.7/103

- sign -0.001+/-0.005 χ^2/NDF: 59.5/53



Right In: 26.923+/-0.006 χ^2/NDF: 3043418.7/24

Left Out: 27.635+/-0.005 χ^2/NDF:3974025.3/24

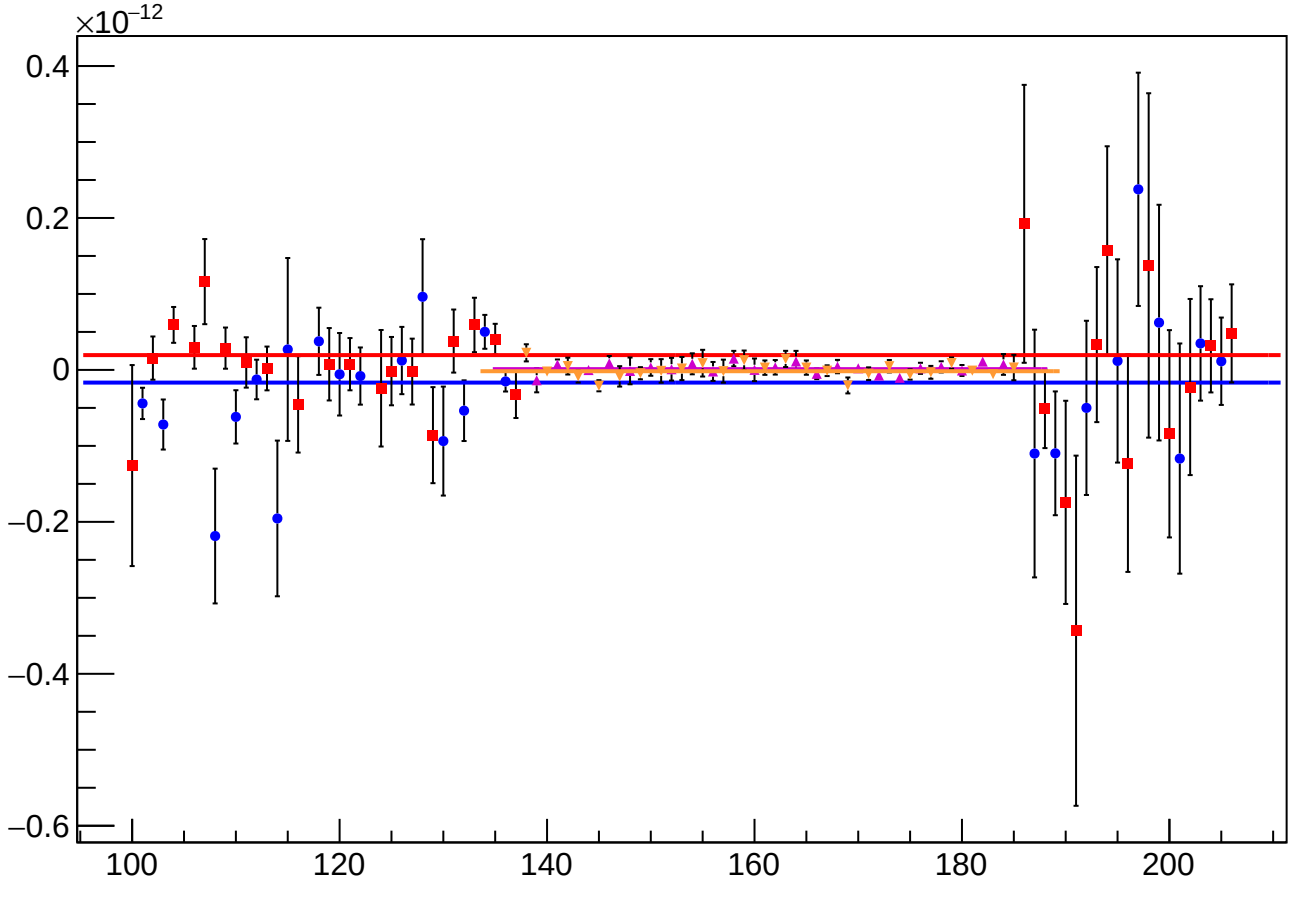
Right Out: 27.797+/-0.005 χ^2/NDF: 2822161.5/30

Left In: 27.524+/-0.005 χ^2/NDF:2634508.8/22

+ sign 27.328+/-0.004 χ^2/NDF: 7026771.5/49

All: 27.493+/-0.003 χ^2/NDF: 12488889.0/103

- sign 27.653+/-0.004 χ^2/NDF: 5458103.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 35.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:24.4/24

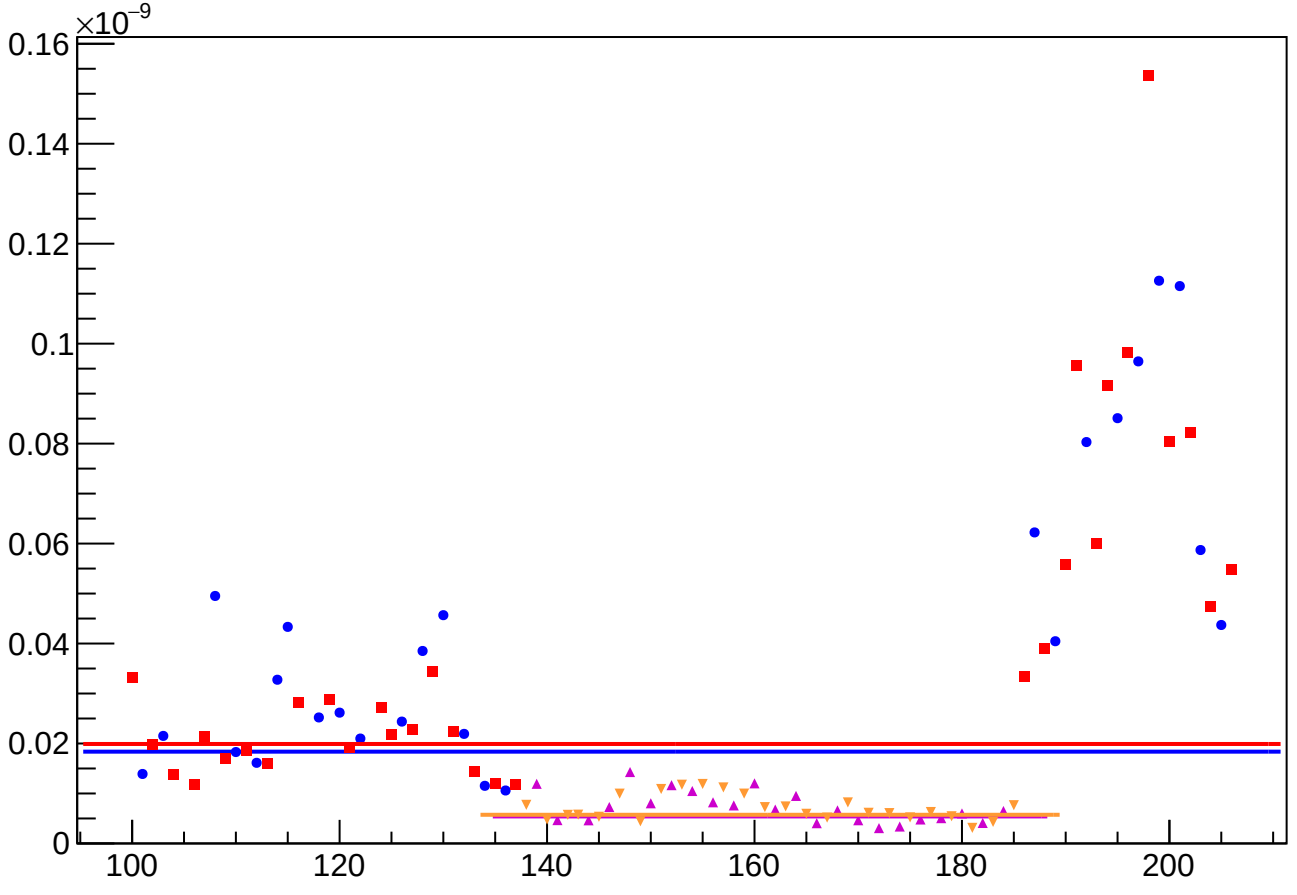
Right Out: 0.000+/-0.000 χ^2/NDF: 28.6/30

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 63.9/49

All: -0.000+/-0.000 χ^2/NDF: 118.2/103

- sign 0.000+/-0.000 χ^2/NDF: 50.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 6300014.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2645460.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5880954.3/30

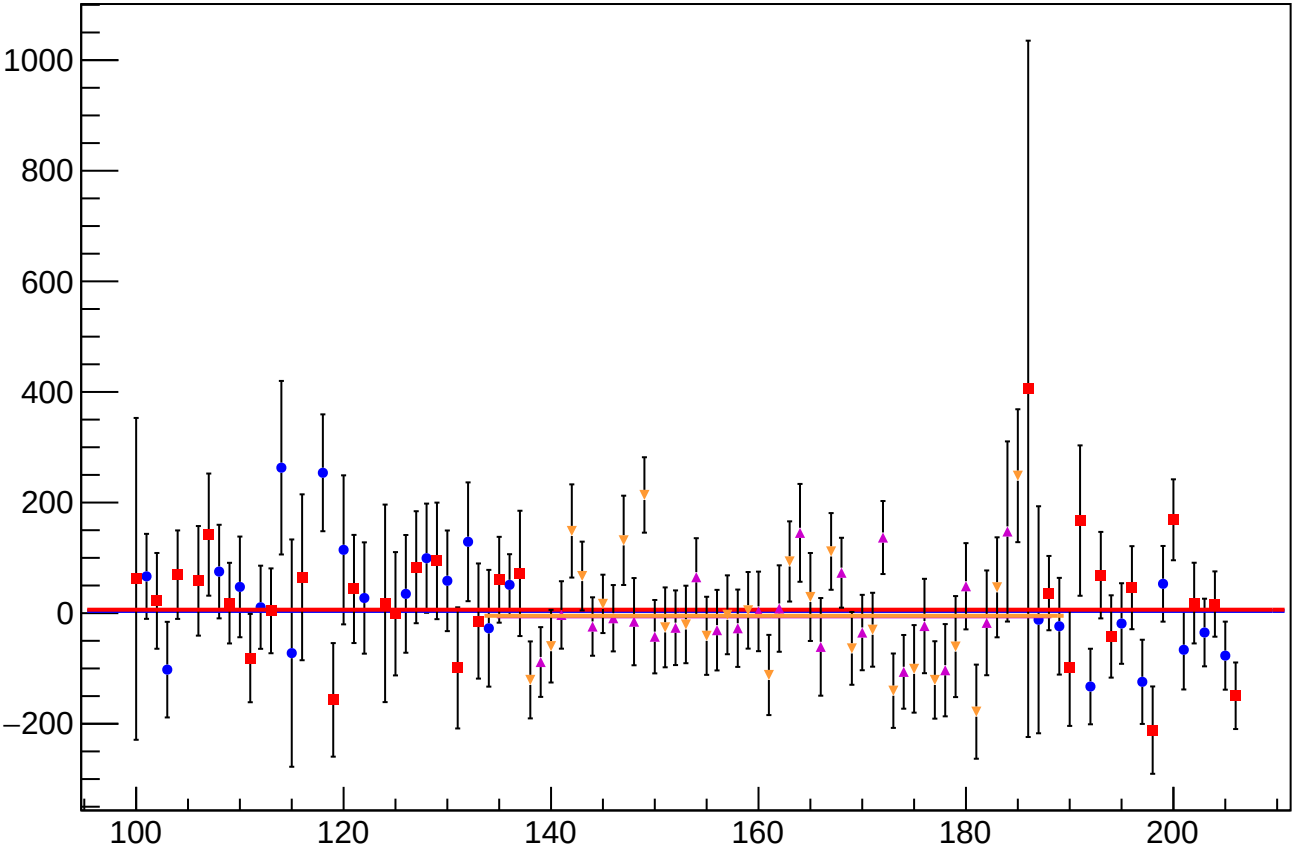
Left In: 0.000+/-0.000 χ^2/NDF:3476696.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 14255921.0/49

All: 0.000+/-0.000 χ^2/NDF: 30586971.1/103

- sign 0.000+/-0.000 χ^2/NDF: 16309123.9/53

reg_asym_sam_37_48_dd_mean vs Slug



Right In: 4.017+/-16.830 χ^2/NDF: 26.5/24

Left Out: -4.742+/-14.432 χ^2/NDF:47.4/24

Right Out: 6.252+/-15.909 χ^2/NDF: 33.2/30

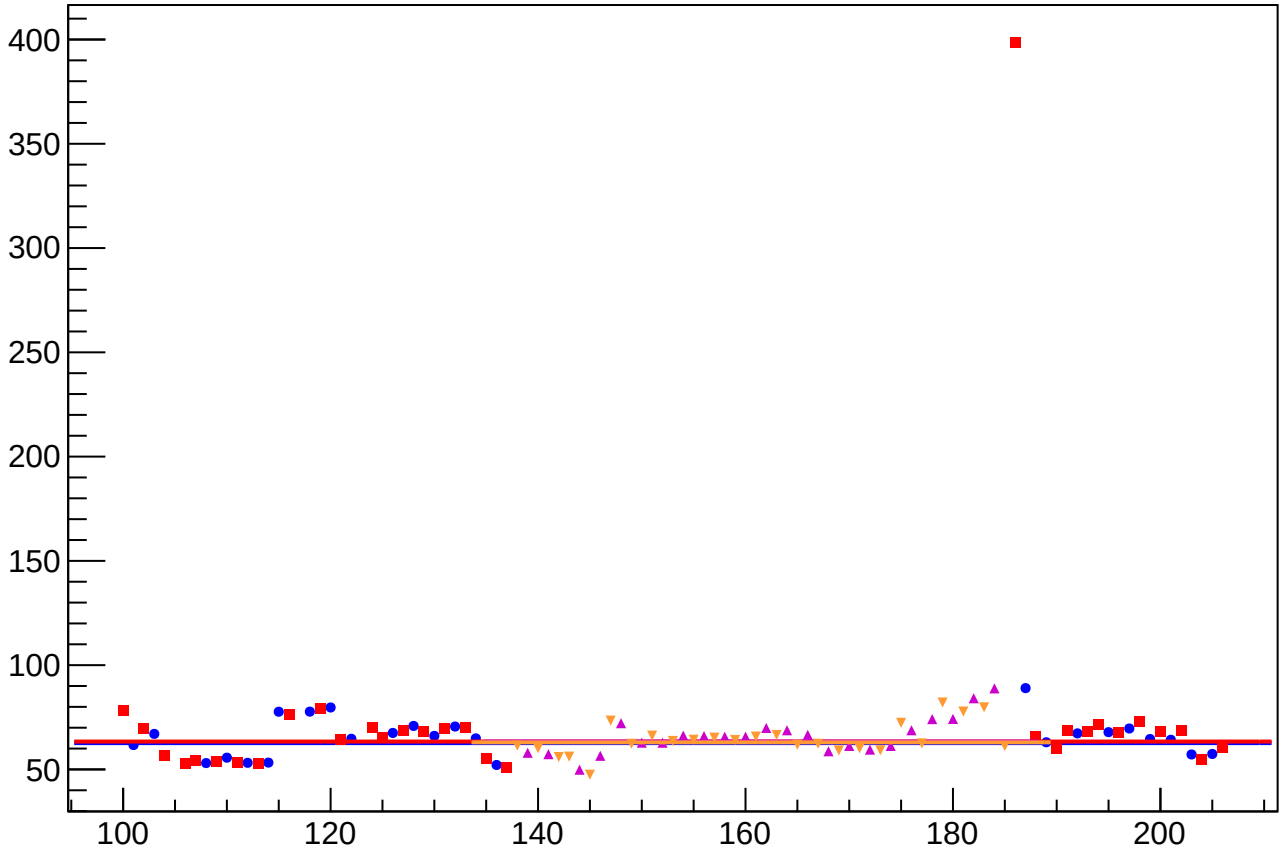
Left In: -5.776+/-14.931 χ^2/NDF:18.3/22

+ sign -1.030+/-10.955 χ^2/NDF: 74.0/49

All: -0.584+/-7.722 χ^2/NDF: 125.8/103

- sign -0.143+/-10.887 χ^2/NDF: 51.8/53

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 62.622+/-0.012 χ^2/NDF: 372925.2/24

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

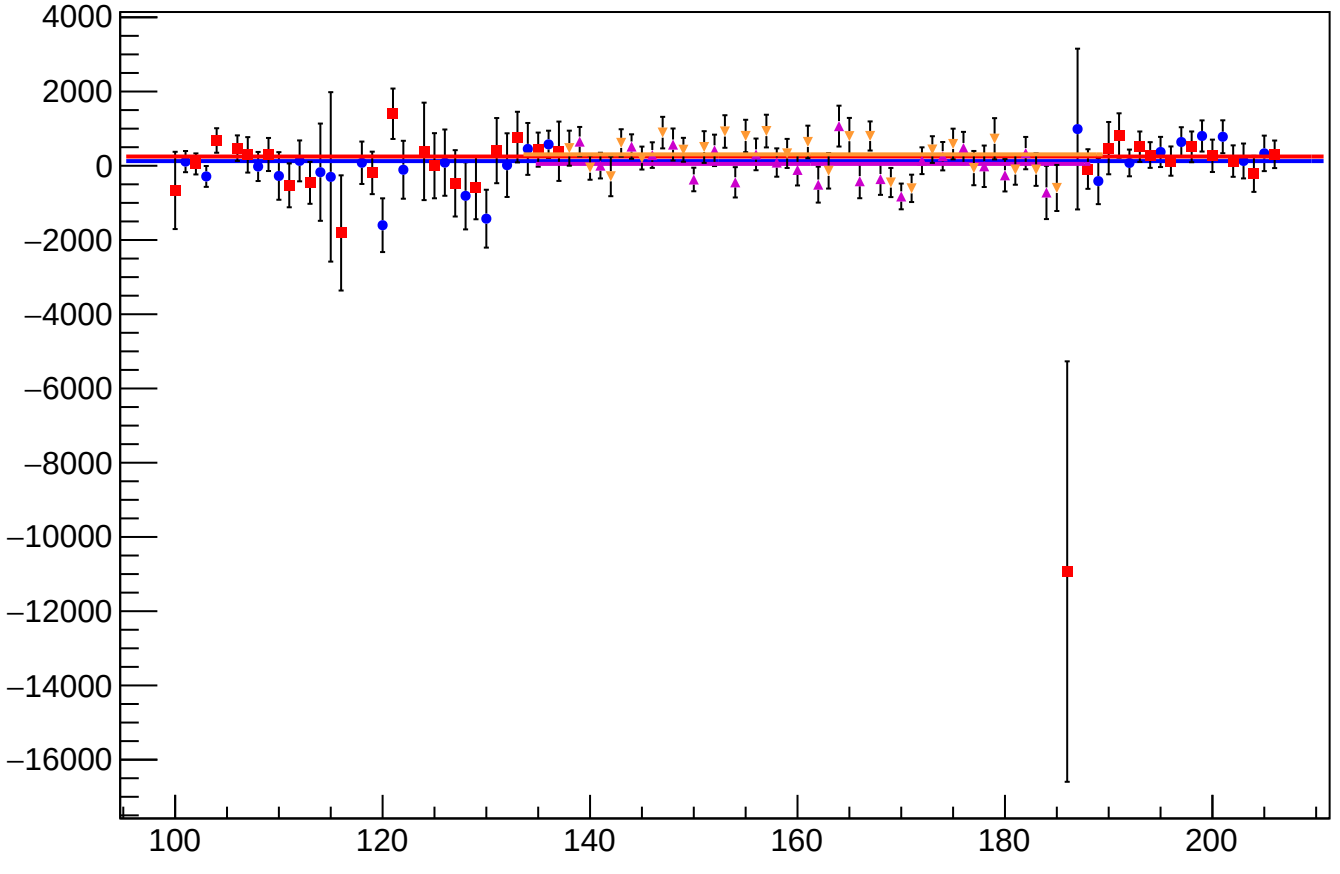
Right Out: 63.365+/-0.011 χ^2/NDF: 1014399.2/30

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.826+/-0.008 χ^2/NDF: 900294.5/49

All: 63.097+/-0.005 χ^2/NDF: 2414053.5/103

- sign 63.365+/-0.008 χ^2/NDF: 1511325.3/53



Right In: 125.364+/-99.008 χ^2/NDF: 23.3/24

Left Out: 307.183+/-82.361 χ^2/NDF:30.6/24

Right Out: 248.753+/-89.961 χ^2/NDF: 21.8/30

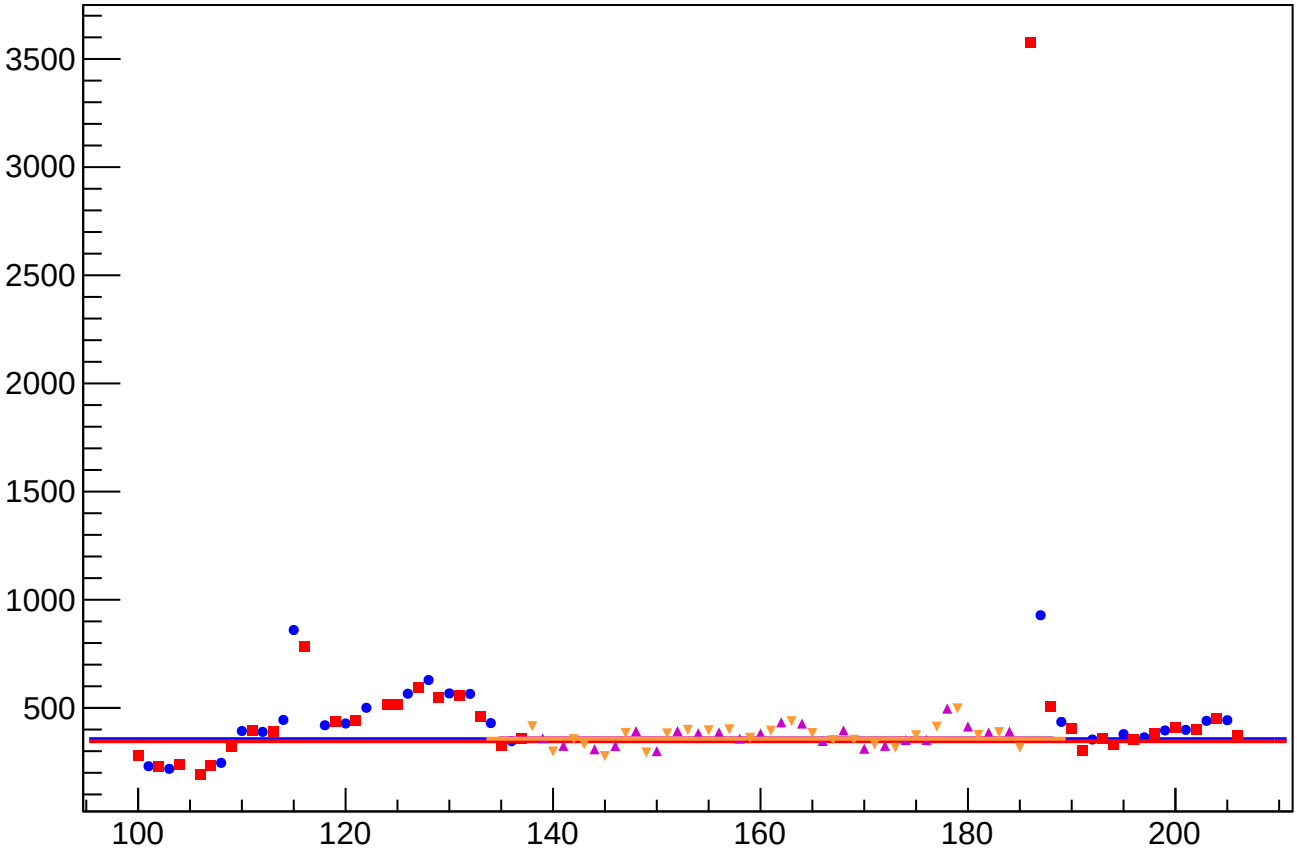
Left In: 50.030+/-84.838 χ^2/NDF:27.3/22

+ sign 232.822+/-63.317 χ^2/NDF: 55.9/49

All: 187.058+/-44.197 χ^2/NDF: 108.6/103

- sign 143.573+/-61.721 χ^2/NDF: 51.6/53

asym_sam_37_48_dd_reg_correction_rms vs Slug



Right In: 355.297+/-0.070 χ^2/NDF: 2186350.8/24

Left Out: 357.731+/-0.058 χ^2/NDF:683730.4/24

Right Out: 346.155+/-0.064 χ^2/NDF: 2986156.1/30

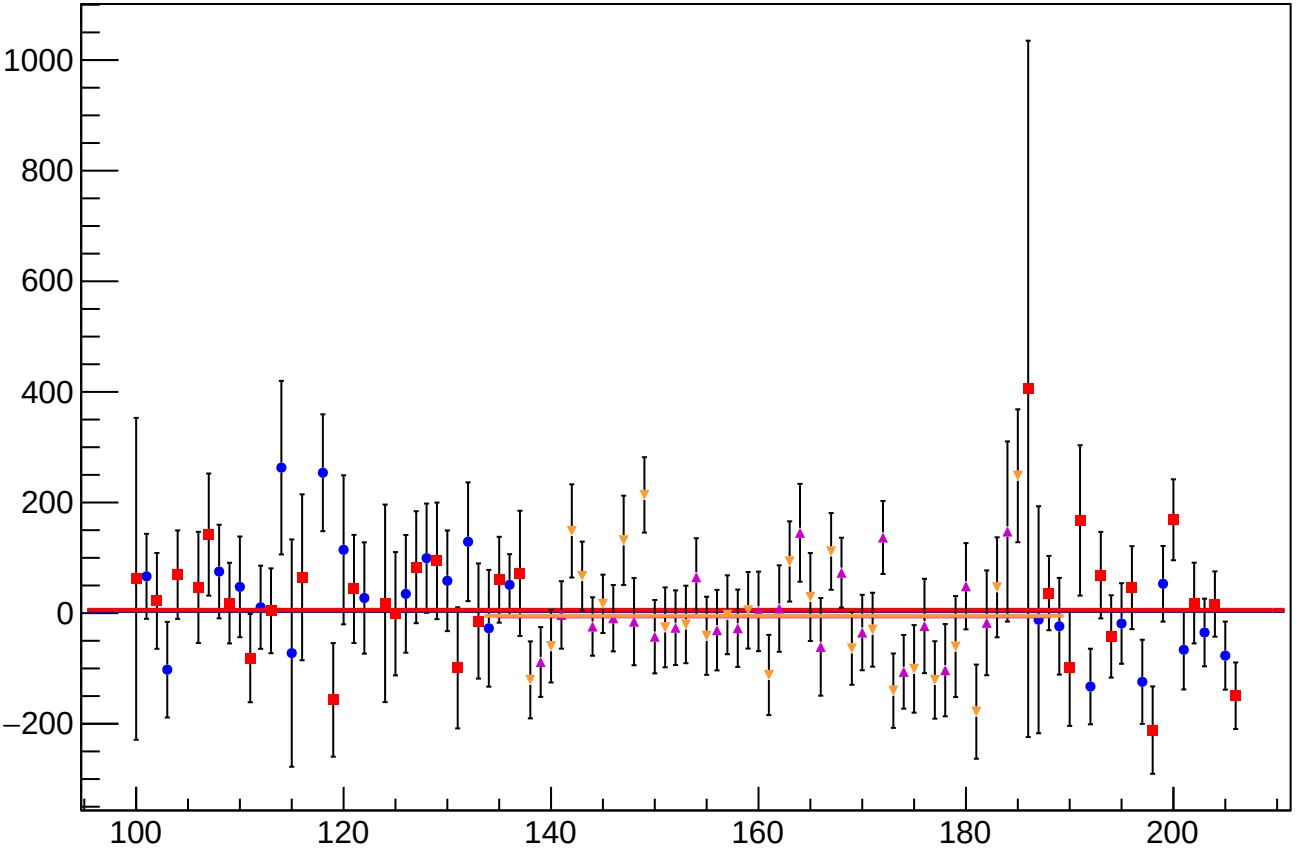
Left In: 359.350+/-0.060 χ^2/NDF:519759.9/22

+ sign 356.736+/-0.045 χ^2/NDF: 2870795.7/49

All: 354.892+/-0.031 χ^2/NDF: 6402792.7/103

- sign 353.139+/-0.044 χ^2/NDF: 3528687.7/53

cor_asym_sam_37_48_dd_mean vs Slug



Right In: 4.012+/-16.830 χ^2/NDF: 26.5/24

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 5.913+/-15.915 χ^2/NDF: 33.1/30

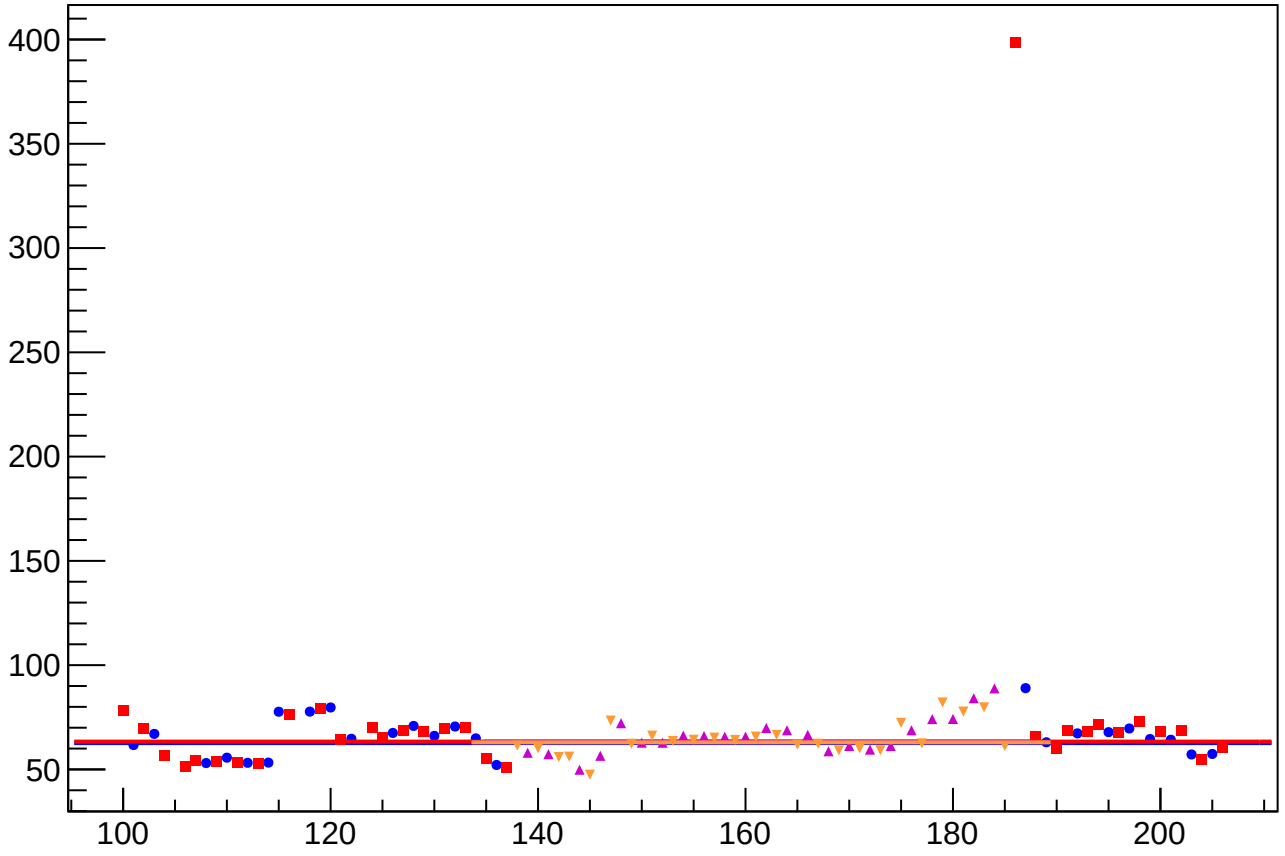
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -1.036+/-10.955 χ^2/NDF: 74.0/49

All: -0.668+/-7.723 χ^2/NDF: 125.7/103

- sign -0.304+/-10.889 χ^2/NDF: 51.7/53

cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.622+/-0.012 χ^2/NDF: 372925.3/24

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

Right Out: 63.346+/-0.011 χ^2/NDF: 1018533.9/30

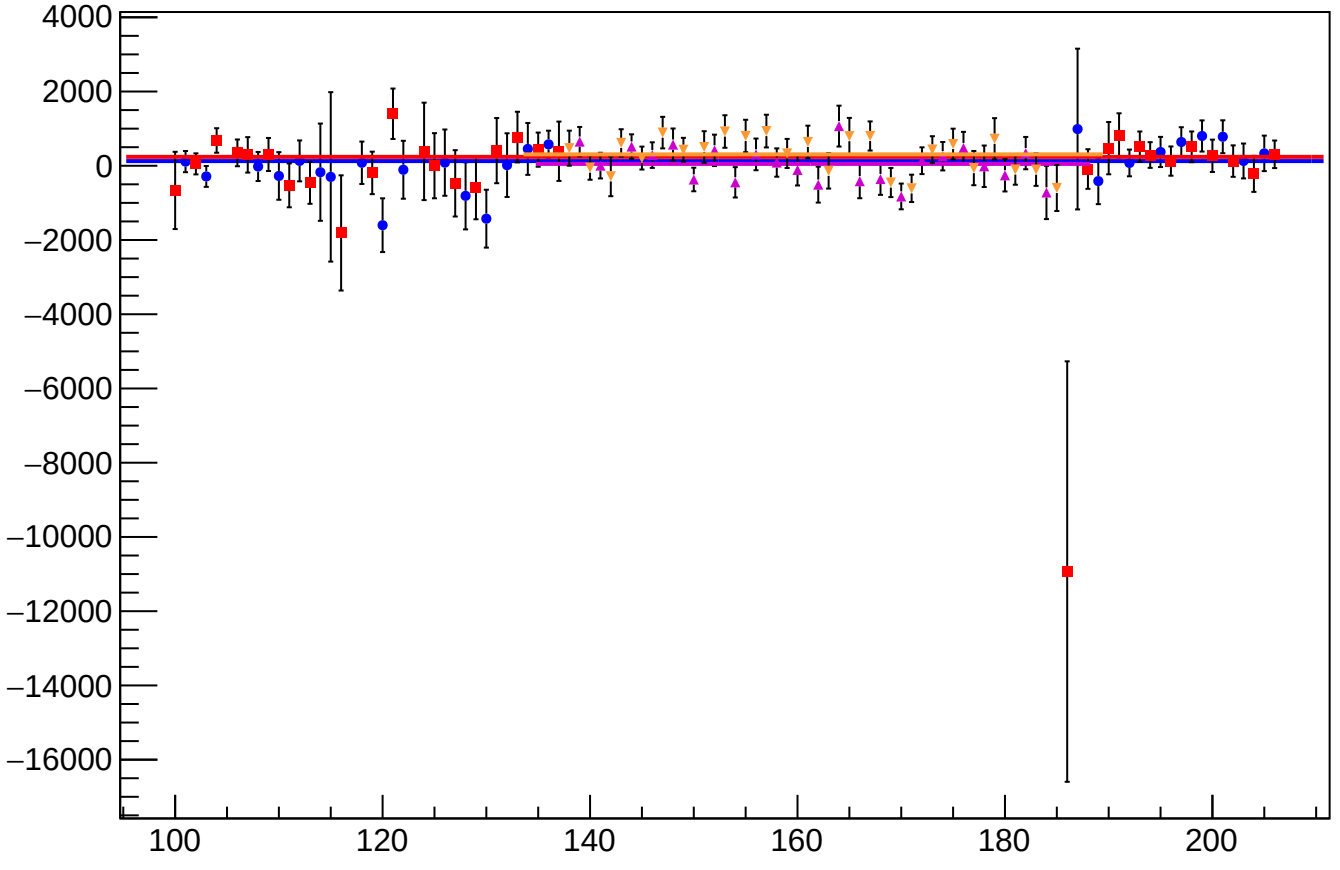
Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.826+/-0.008 χ^2/NDF: 900294.7/49

All: 63.093+/-0.005 χ^2/NDF: 2418111.9/103

- sign 63.356+/-0.008 χ^2/NDF: 1515461.7/53

asym_sam_37_48_dd_cor_correction_mean vs Slug



Right In: 125.372+/-99.008 χ^2/NDF: 23.3/24

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

Right Out: 239.617+/-90.235 χ^2/NDF: 21.4/30

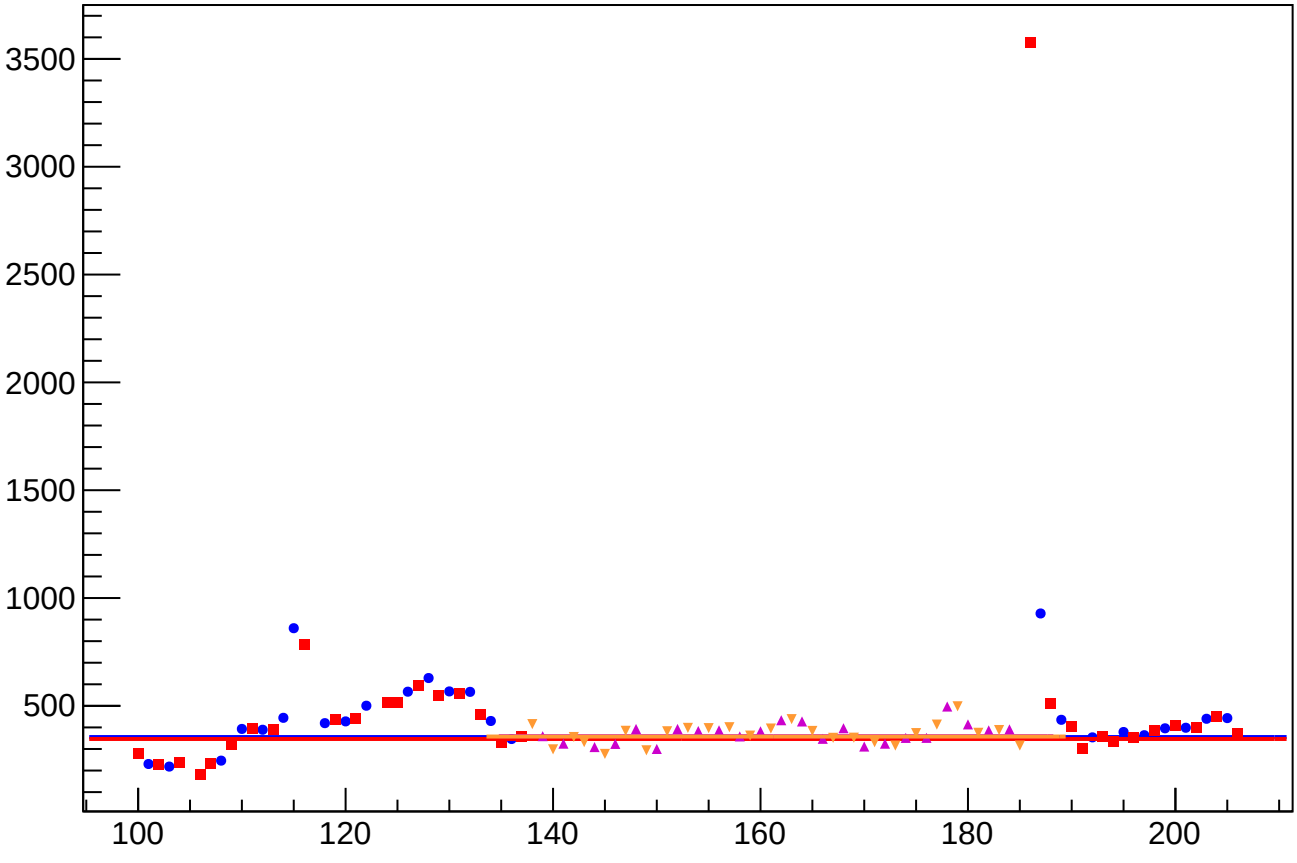
Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 232.822+/-63.317 χ^2/NDF: 55.9/49

All: 184.772+/-44.229 χ^2/NDF: 108.1/103

- sign 138.984+/-61.810 χ^2/NDF: 51.0/53

asym_sam_37_48_dd_cor_correction_rms vs Slug



Right In: 355.299+/-0.070 χ^2/NDF: 2186269.5/24

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 346.455+/-0.064 χ^2/NDF: 3001375.0/30

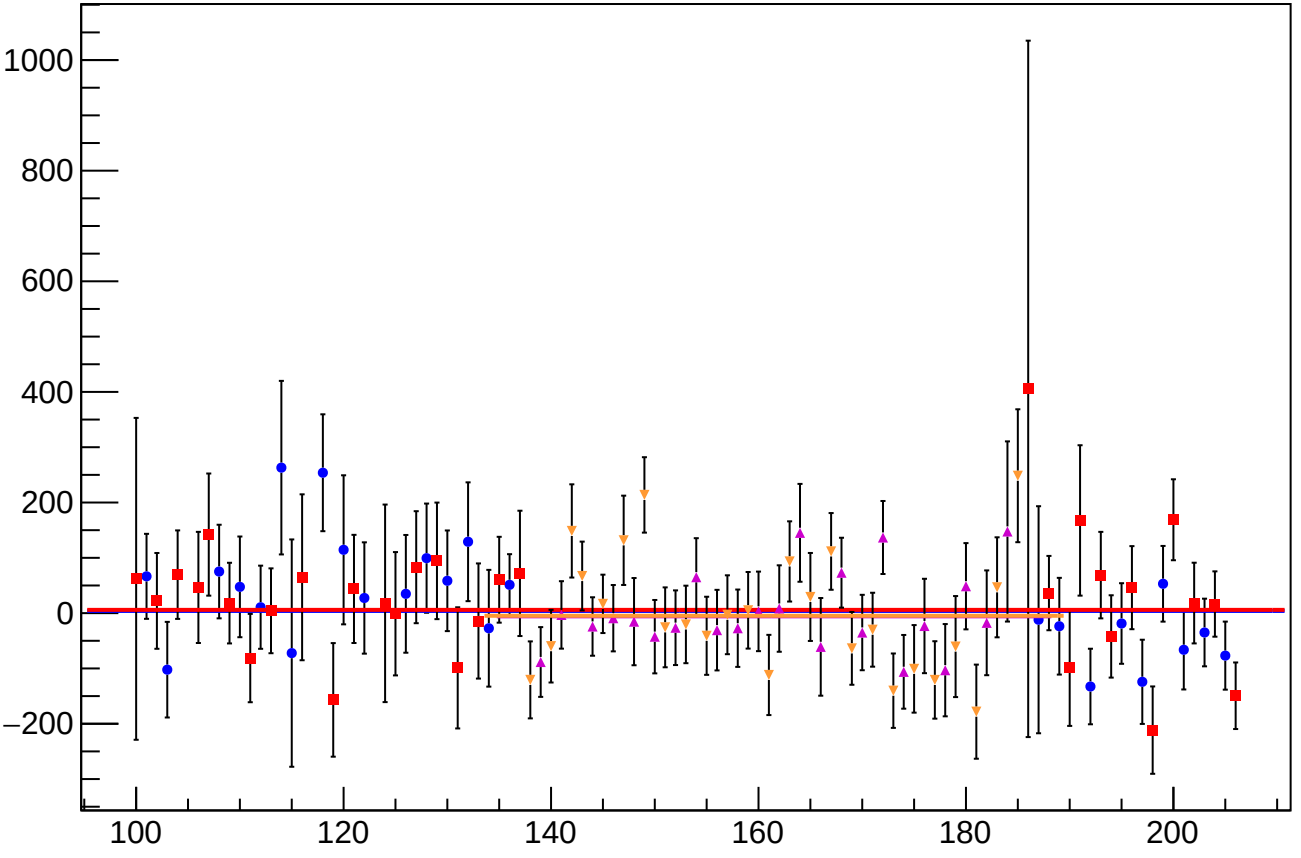
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 356.737+/-0.045 χ^2/NDF: 2870709.3/49

All: 354.977+/-0.031 χ^2/NDF: 6416545.3/103

- sign 353.300+/-0.044 χ^2/NDF: 3542818.1/53

eigen_cor_asym_sam_37_48_dd_mean vs Slug



Right In: 4.012+/-16.830 χ^2/NDF: 26.5/24

Left Out: -4.748+/-14.432 χ^2/NDF:47.4/24

Right Out: 5.913+/-15.915 χ^2/NDF: 33.1/30

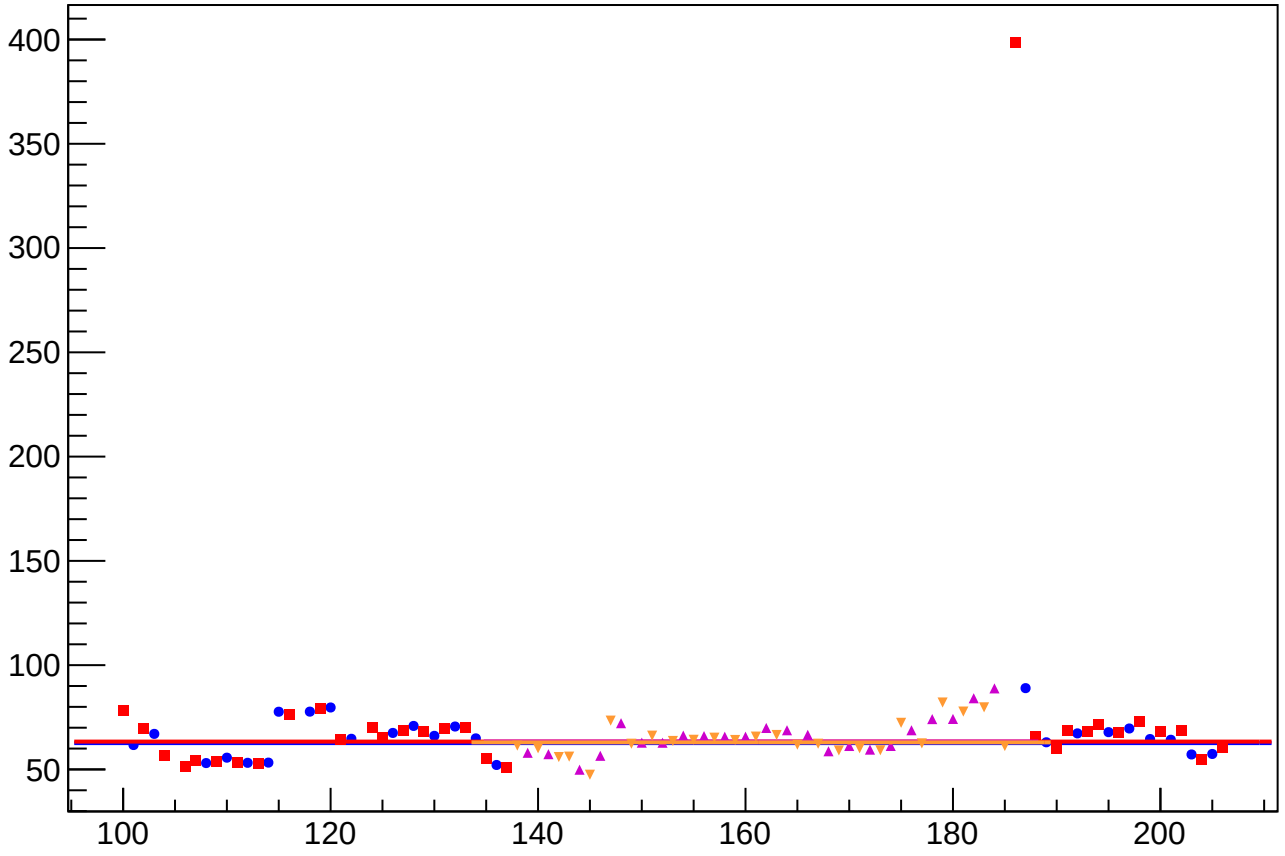
Left In: -5.775+/-14.931 χ^2/NDF:18.3/22

+ sign -1.036+/-10.955 χ^2/NDF: 74.0/49

All: -0.668+/-7.723 χ^2/NDF: 125.7/103

- sign -0.304+/-10.889 χ^2/NDF: 51.7/53

eigen_cor_asym_sam_37_48_dd_rms vs Slug



Right In: 62.622+/-0.012 χ^2/NDF: 372925.3/24

Left Out: 62.976+/-0.010 χ^2/NDF:526859.8/24

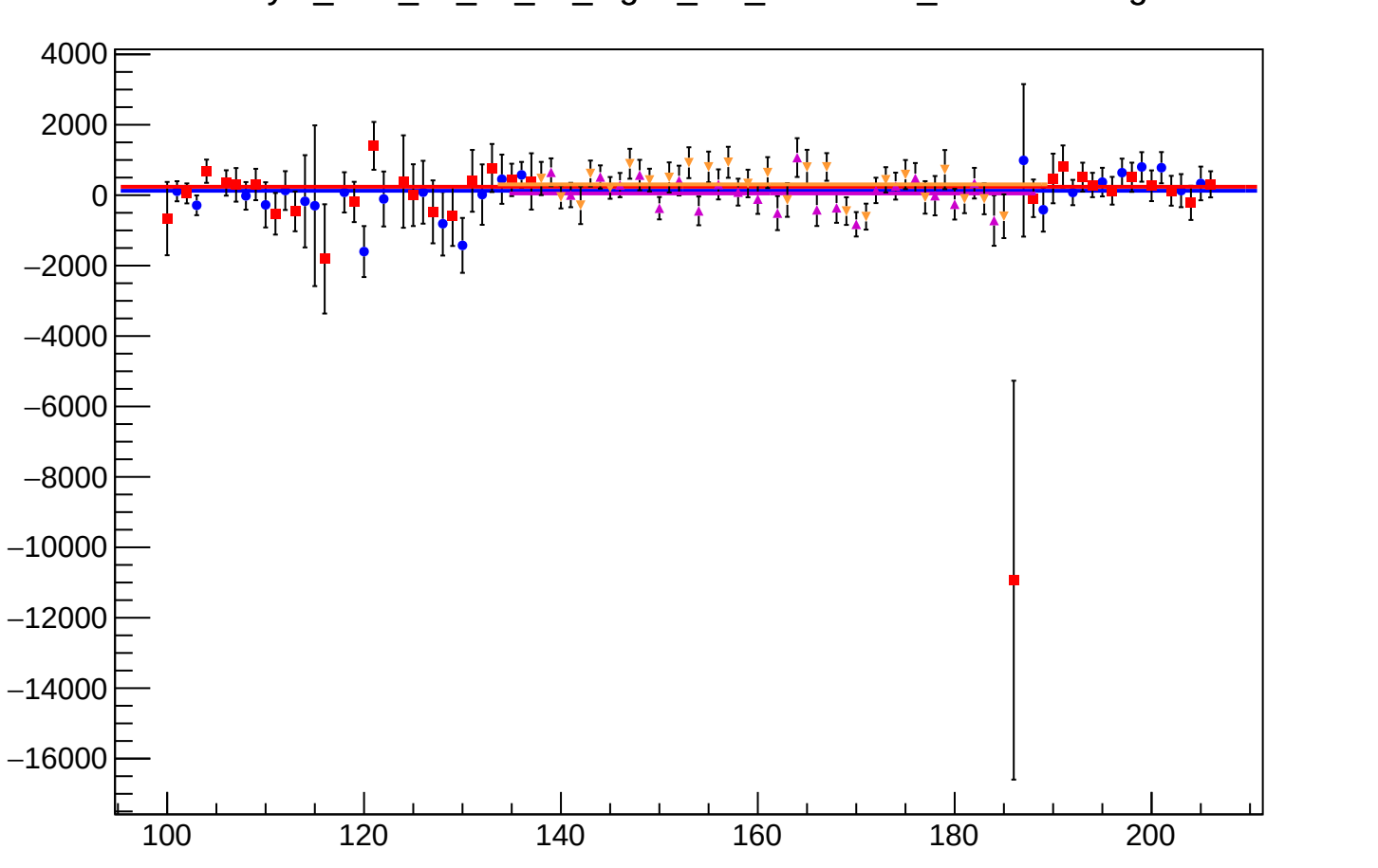
Right Out: 63.346+/-0.011 χ^2/NDF: 1018533.9/30

Left In: 63.365+/-0.011 χ^2/NDF:496926.2/22

+ sign 62.826+/-0.008 χ^2/NDF: 900294.7/49

All: 63.093+/-0.005 χ^2/NDF: 2418111.9/103

- sign 63.356+/-0.008 χ^2/NDF: 1515461.7/53



Right In: 125.372+/-99.008 χ^2/NDF: 23.3/24

Left Out: 307.177+/-82.361 χ^2/NDF:30.6/24

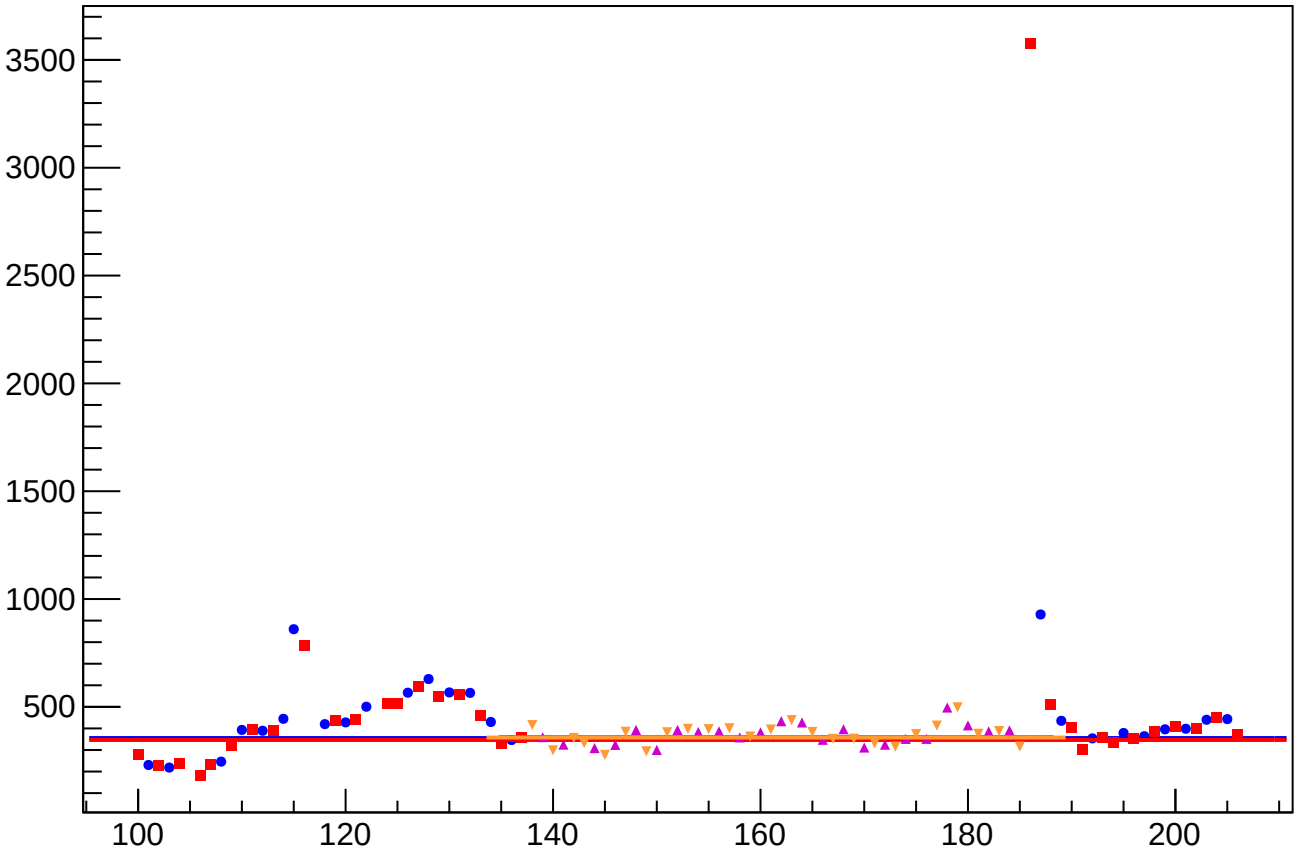
Right Out: 239.617+/-90.235 χ^2/NDF: 21.4/30

Left In: 50.029+/-84.838 χ^2/NDF:27.3/22

+ sign 232.822+/-63.317 χ^2/NDF: 55.9/49

All: 184.772+/-44.229 χ^2/NDF: 108.1/103

- sign 138.984+/-61.810 χ^2/NDF: 51.0/53



Right In: 355.299+/-0.070 χ^2/NDF: 2186269.5/24

Left Out: 357.732+/-0.058 χ^2/NDF:683726.4/24

Right Out: 346.455+/-0.064 χ^2/NDF: 3001375.0/30

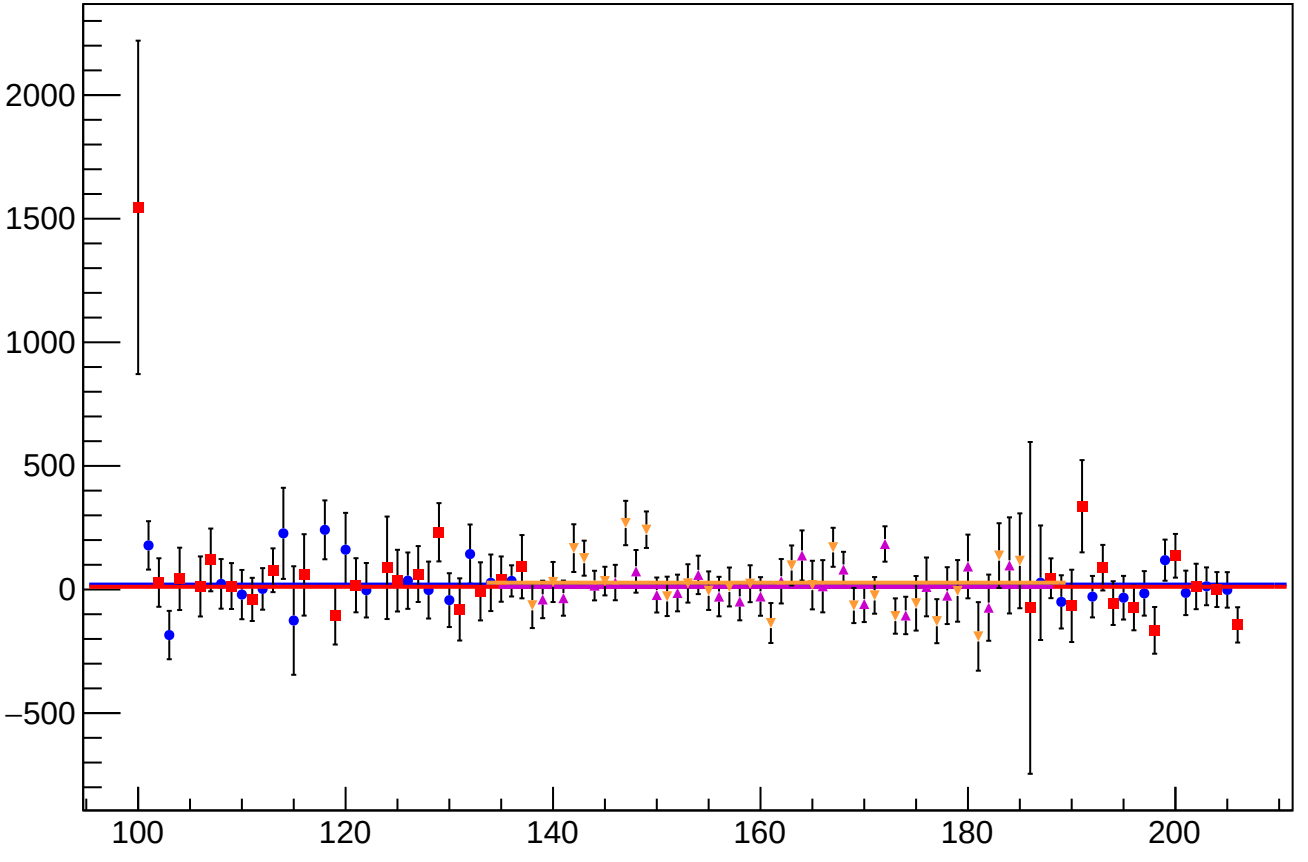
Left In: 359.350+/-0.060 χ^2/NDF:519762.7/22

+ sign 356.737+/-0.045 χ^2/NDF: 2870709.3/49

All: 354.977+/-0.031 χ^2/NDF: 6416545.3/103

- sign 353.300+/-0.044 χ^2/NDF: 3542818.1/53

dit_asym_sam_37_48_dd_mean vs Slug



Right In: 19.941+/-19.746 χ^2/NDF: 17.7/24

Left Out: 27.627+/-16.742 χ^2/NDF:42.4/24

Right Out: 10.999+/-18.985 χ^2/NDF: 28.8/30

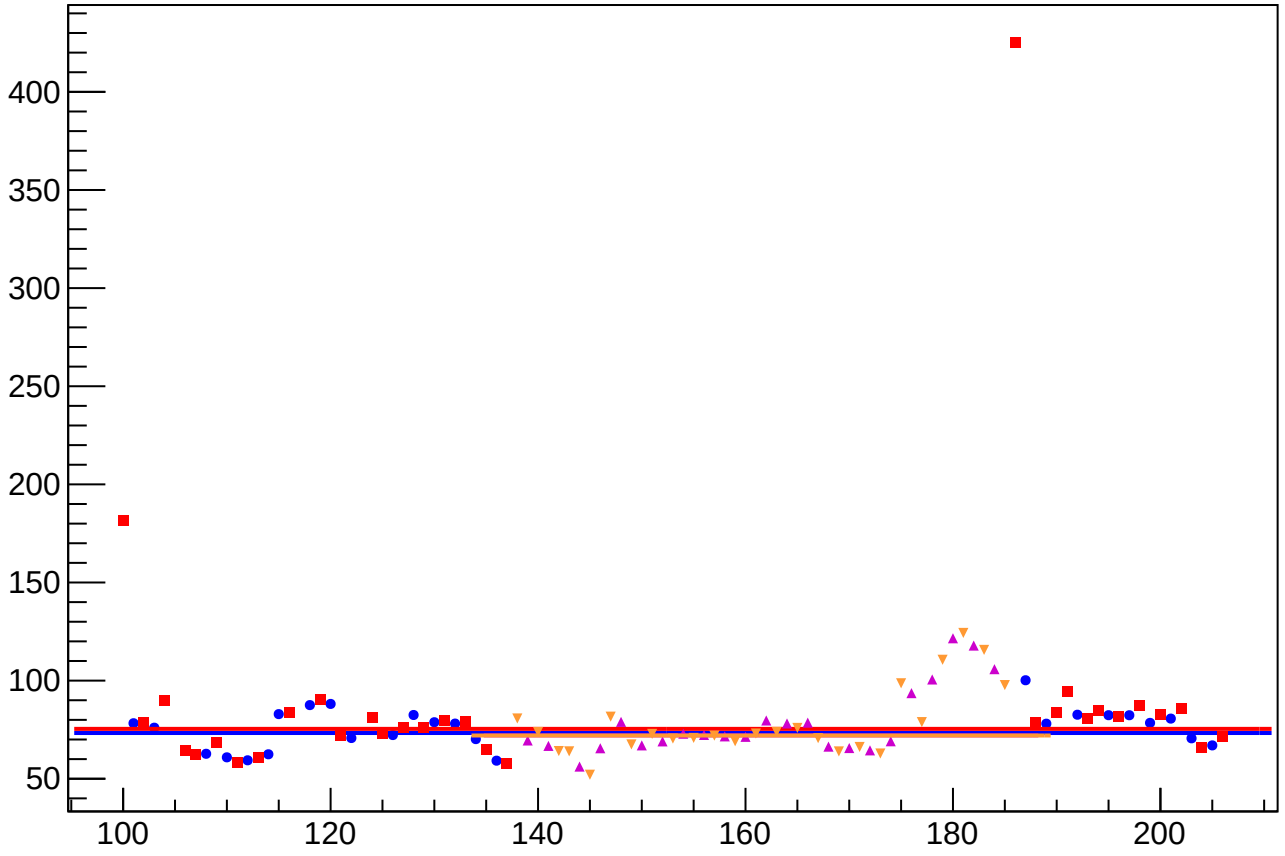
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 24.413+/-12.770 χ^2/NDF: 60.2/49

All: 17.568+/-9.025 χ^2/NDF: 105.6/103

- sign 10.737+/-12.757 χ^2/NDF: 44.9/53

dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.300+/-0.014 χ^2/NDF: 433369.8/24

Left Out: 72.041+/-0.012 χ^2/NDF:1269471.8/24

Right Out: 75.417+/-0.013 χ^2/NDF: 1095251.6/30

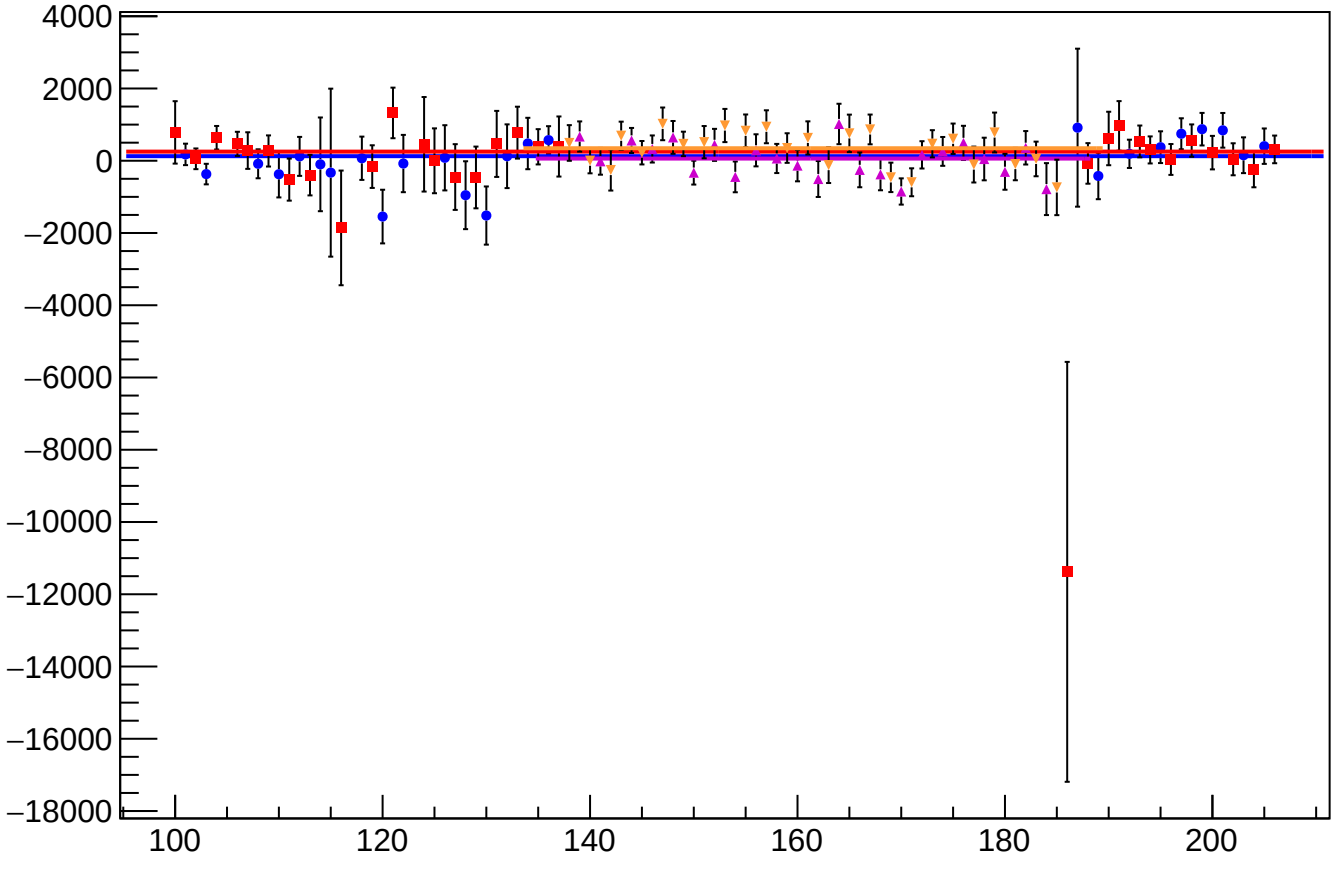
Left In: 72.092+/-0.012 χ^2/NDF:1058857.2/22

+ sign 72.568+/-0.009 χ^2/NDF: 1707576.8/49

All: 73.081+/-0.006 χ^2/NDF: 3901785.2/103

- sign 73.593+/-0.009 χ^2/NDF: 2187750.1/53

asym_sam_37_48_dd_dit_correction_mean vs Slug



Right In: 126.270+/-103.189 χ^2/NDF: 24.8/24

Left Out: 345.973+/-86.822 χ^2/NDF:28.9/24

Right Out: 252.614+/-92.720 χ^2/NDF: 20.5/30

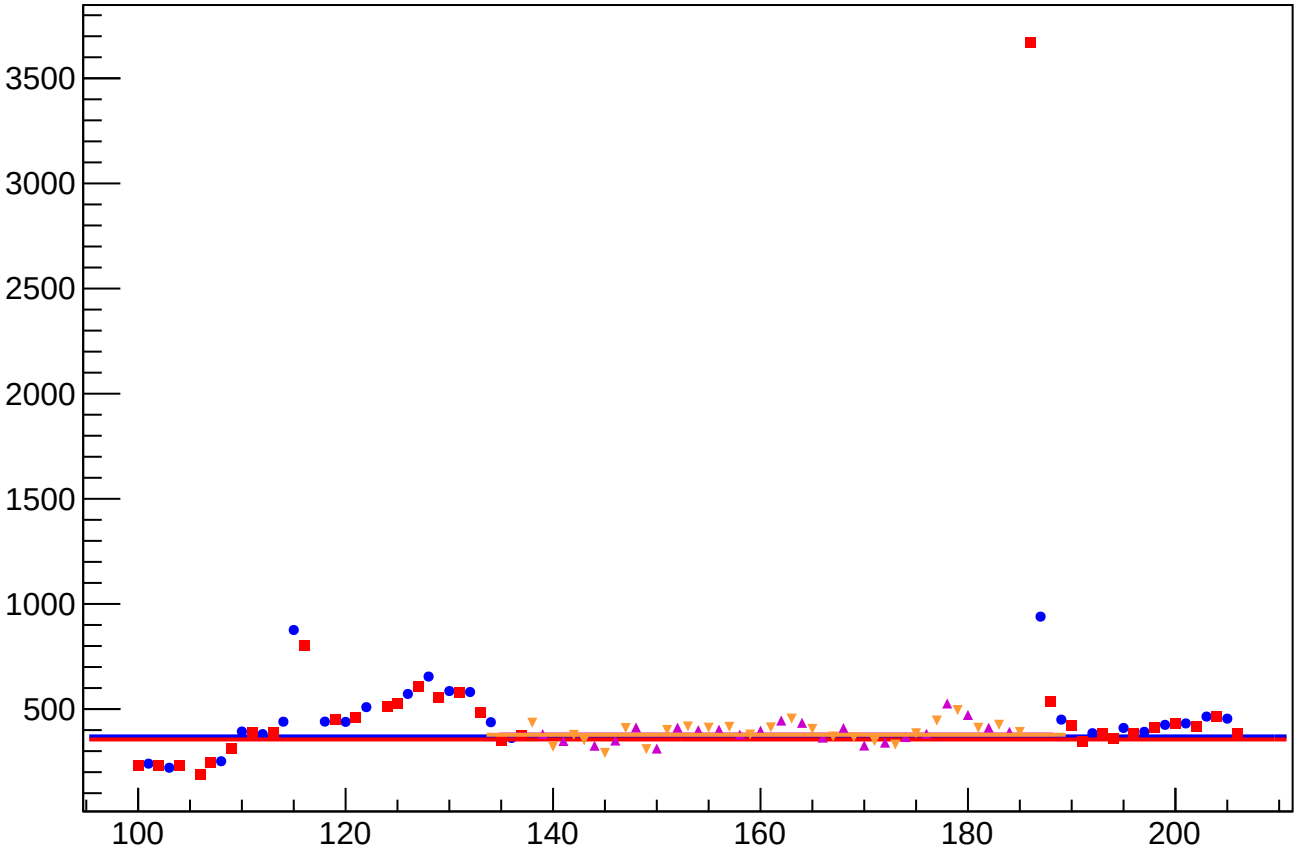
Left In: 59.908+/-89.411 χ^2/NDF:25.8/22

+ sign 254.906+/-66.435 χ^2/NDF: 56.4/49

All: 202.215+/-46.226 χ^2/NDF: 106.2/103

- sign 152.761+/-64.361 χ^2/NDF: 48.6/53

asym_sam_37_48_dd_dit_correction_rms vs Slug



Right In: 370.004+/-0.073 χ^2/NDF: 2260339.7/24

Left Out: 377.797+/-0.061 χ^2/NDF:636714.9/24

Right Out: 355.416+/-0.066 χ^2/NDF: 3262716.6/30

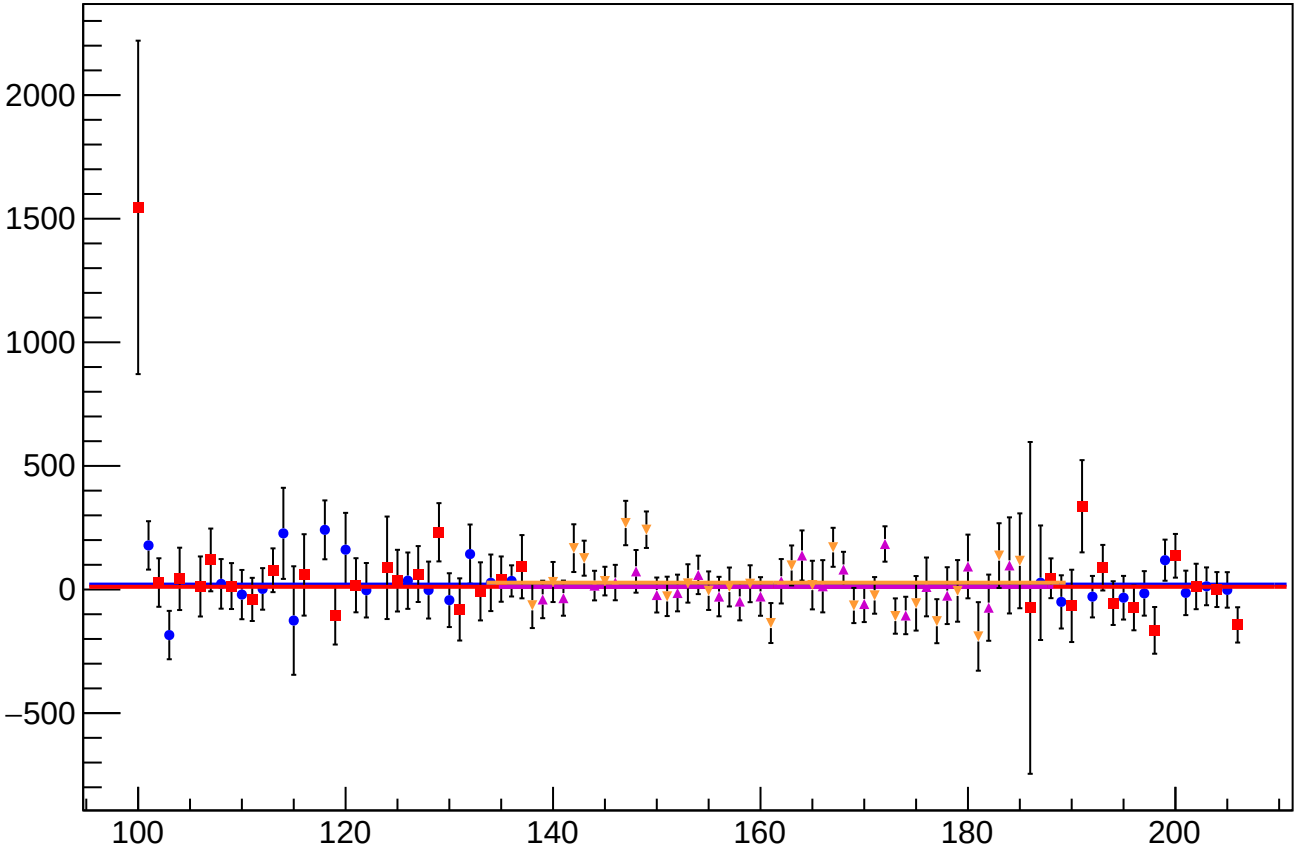
Left In: 378.869+/-0.063 χ^2/NDF:527685.1/22

+ sign 374.566+/-0.047 χ^2/NDF: 2903733.5/49

All: 370.957+/-0.033 χ^2/NDF: 6771887.0/103

- sign 367.569+/-0.046 χ^2/NDF: 3856706.6/53

eigen_dit_asym_sam_37_48_dd_mean vs Slug



Right In: 19.941+/-19.746 χ^2/NDF: 17.7/24

Left Out: 27.626+/-16.742 χ^2/NDF:42.4/24

Right Out: 10.999+/-18.985 χ^2/NDF: 28.8/30

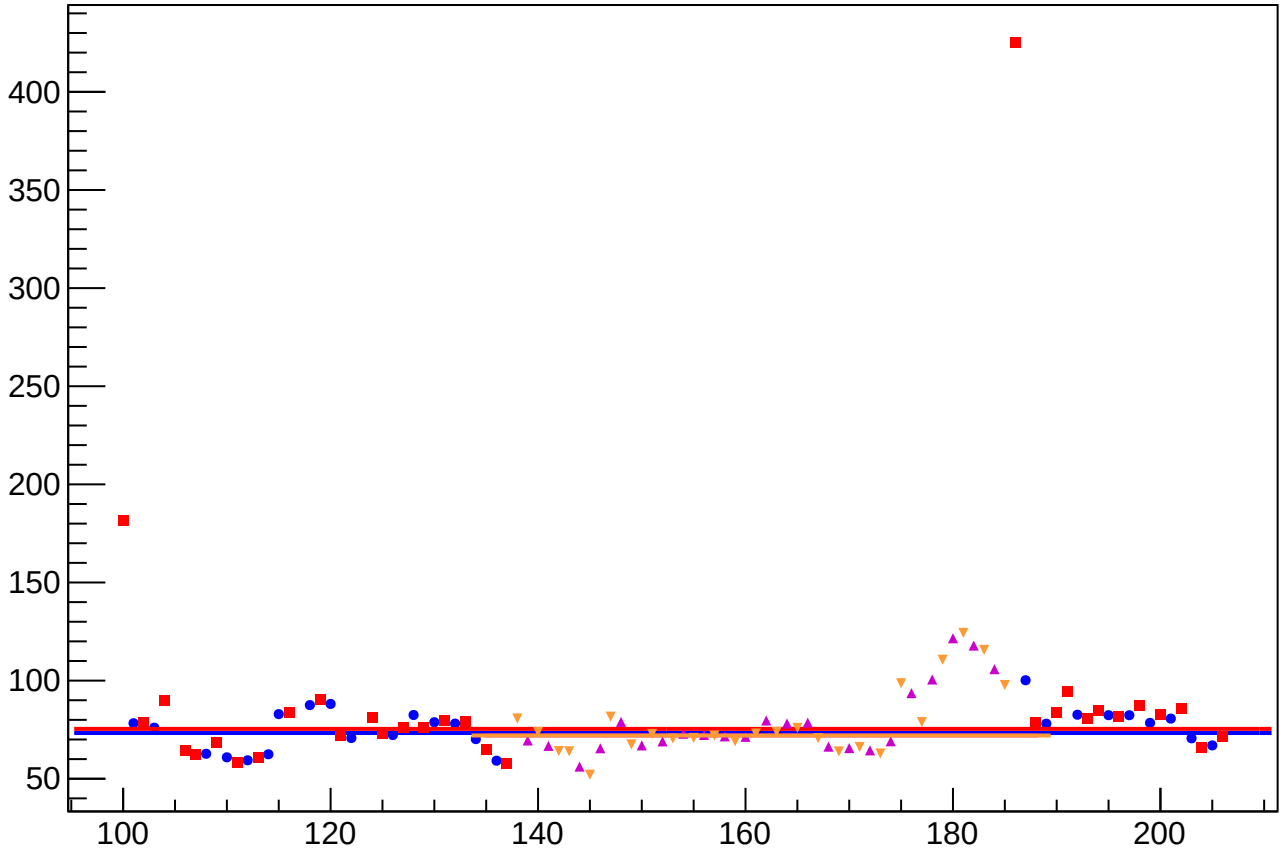
Left In: 10.521+/-17.225 χ^2/NDF:16.1/22

+ sign 24.412+/-12.770 χ^2/NDF: 60.2/49

All: 17.568+/-9.025 χ^2/NDF: 105.6/103

- sign 10.737+/-12.757 χ^2/NDF: 44.9/53

eigen_dit_asym_sam_37_48_dd_rms vs Slug



Right In: 73.300+/-0.014 χ^2/NDF: 433368.3/24

Left Out: 72.041+/-0.012 χ^2/NDF:1269479.1/24

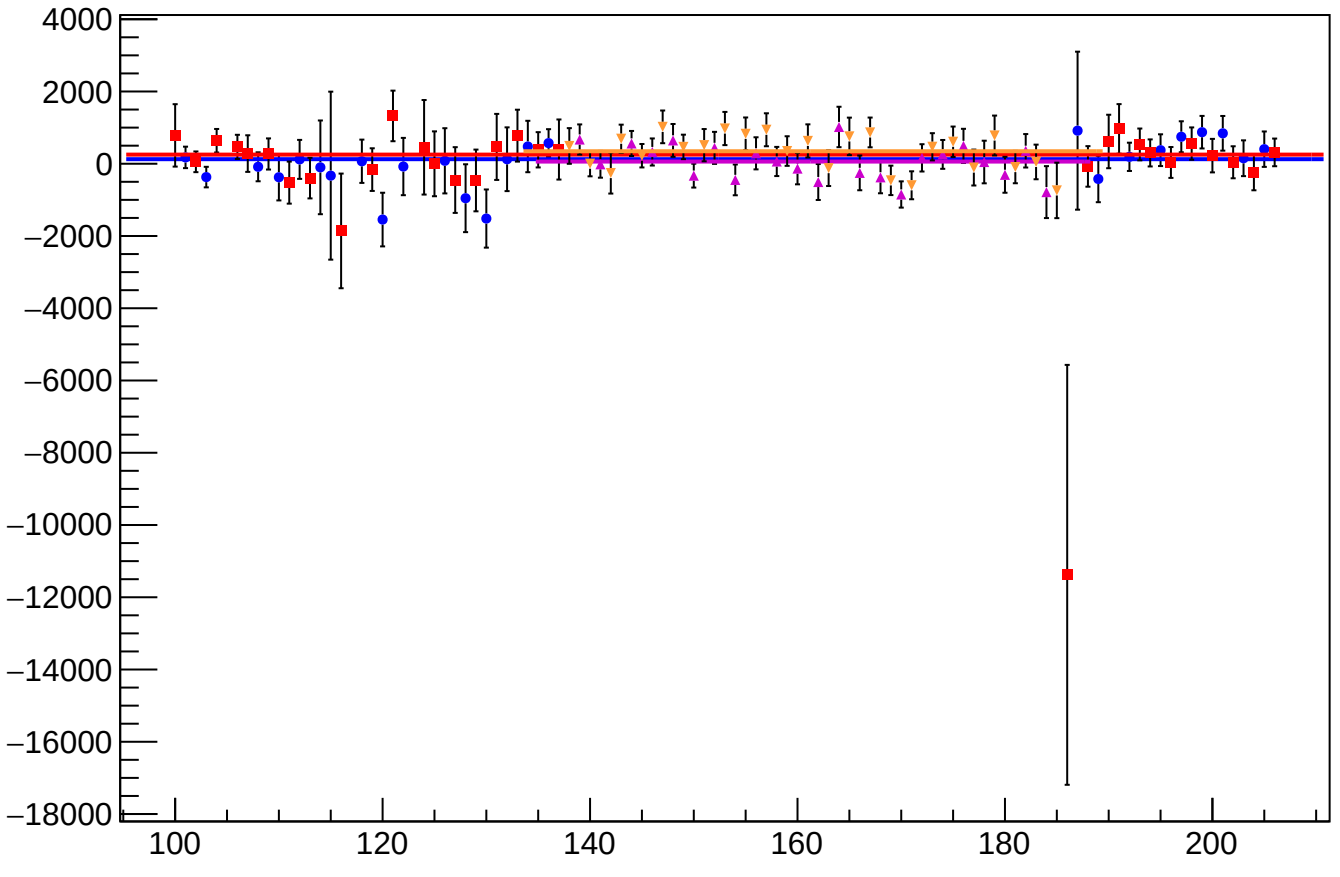
Right Out: 75.417+/-0.013 χ^2/NDF: 1095252.1/30

Left In: 72.092+/-0.012 χ^2/NDF:1058847.4/22

+ sign 72.567+/-0.009 χ^2/NDF: 1707582.4/49

All: 73.081+/-0.006 χ^2/NDF: 3901781.6/103

- sign 73.593+/-0.009 χ^2/NDF: 2187740.8/53



Right In: 126.270+/-103.189 χ^2/NDF: 24.8/24

Left Out: 345.972+/-86.822 χ^2/NDF:28.9/24

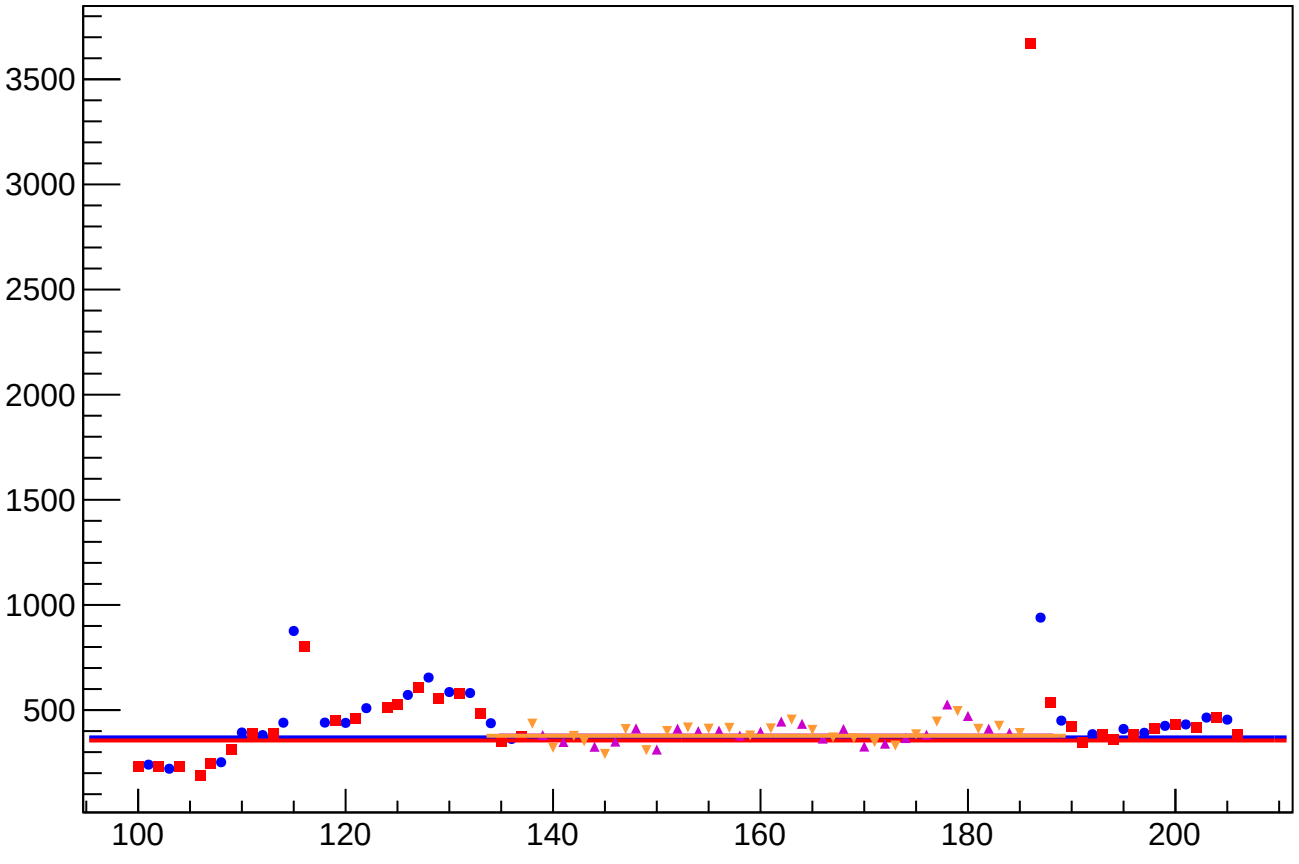
Right Out: 252.614+/-92.720 χ^2/NDF: 20.5/30

Left In: 59.907+/-89.411 χ^2/NDF:25.8/22

+ sign 254.906+/-66.435 χ^2/NDF: 56.4/49

All: 202.214+/-46.226 χ^2/NDF: 106.2/103

- sign 152.761+/-64.361 χ^2/NDF: 48.6/53



Right In: 370.004+/-0.073 χ^2/NDF: 2260329.6/24

Left Out: 377.796+/-0.061 χ^2/NDF:636714.9/24

Right Out: 355.416+/-0.066 χ^2/NDF: 3262703.3/30

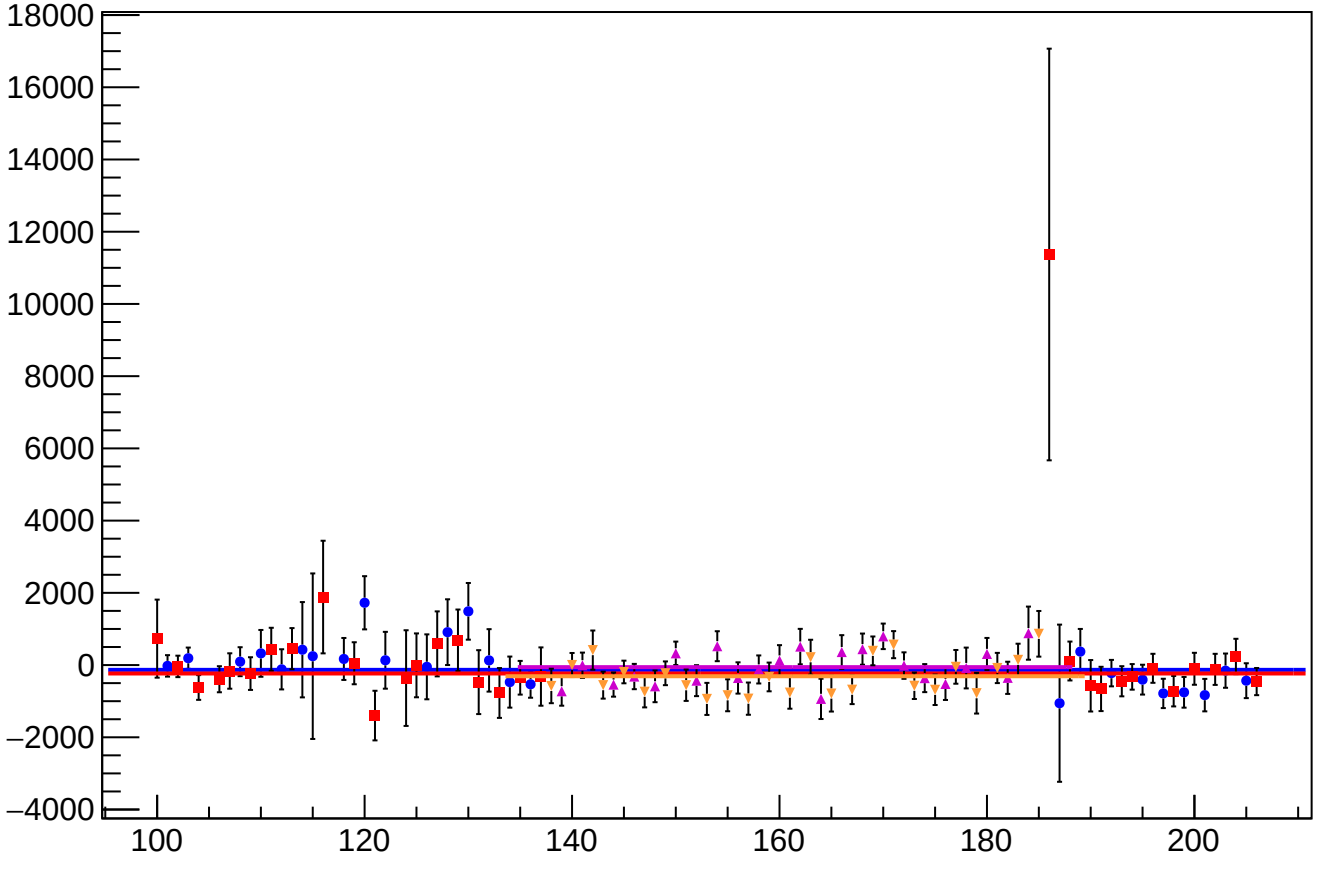
Left In: 378.869+/-0.063 χ^2/NDF:527680.9/22

+ sign 374.566+/-0.047 χ^2/NDF: 2903723.0/49

All: 370.956+/-0.033 χ^2/NDF: 6771858.1/103

- sign 367.568+/-0.046 χ^2/NDF: 3856688.4/53

asym_sam_37_48_dd_mean vs Slug



Right In: -132.405+/-101.099 χ^2/NDF: 25.0/24

Left Out: -309.330+/-83.706 χ^2/NDF:30.0/24

Right Out: -233.357+/-91.984 χ^2/NDF: 21.8/30

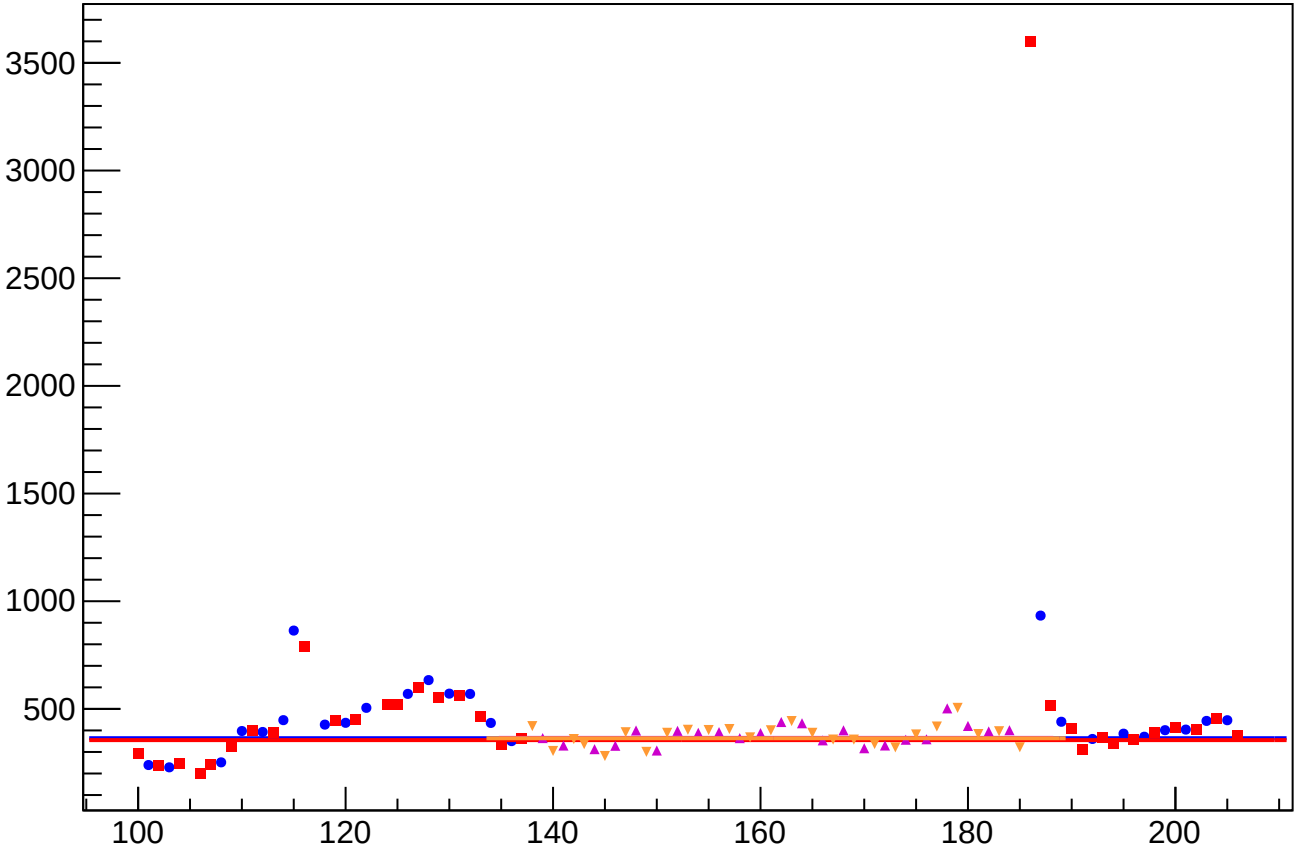
Left In: -57.543+/-86.225 χ^2/NDF:28.0/22

+ sign -237.373+/-64.475 χ^2/NDF: 56.8/49

All: -187.373+/-45.026 χ^2/NDF: 109.7/103

- sign -139.774+/-62.908 χ^2/NDF: 51.7/53

asym_sam_37_48_dd_rms vs Slug



Right In: 363.922+/-0.071 χ^2/NDF: 2027327.5/24

Left Out: 363.714+/-0.059 χ^2/NDF:669244.7/24

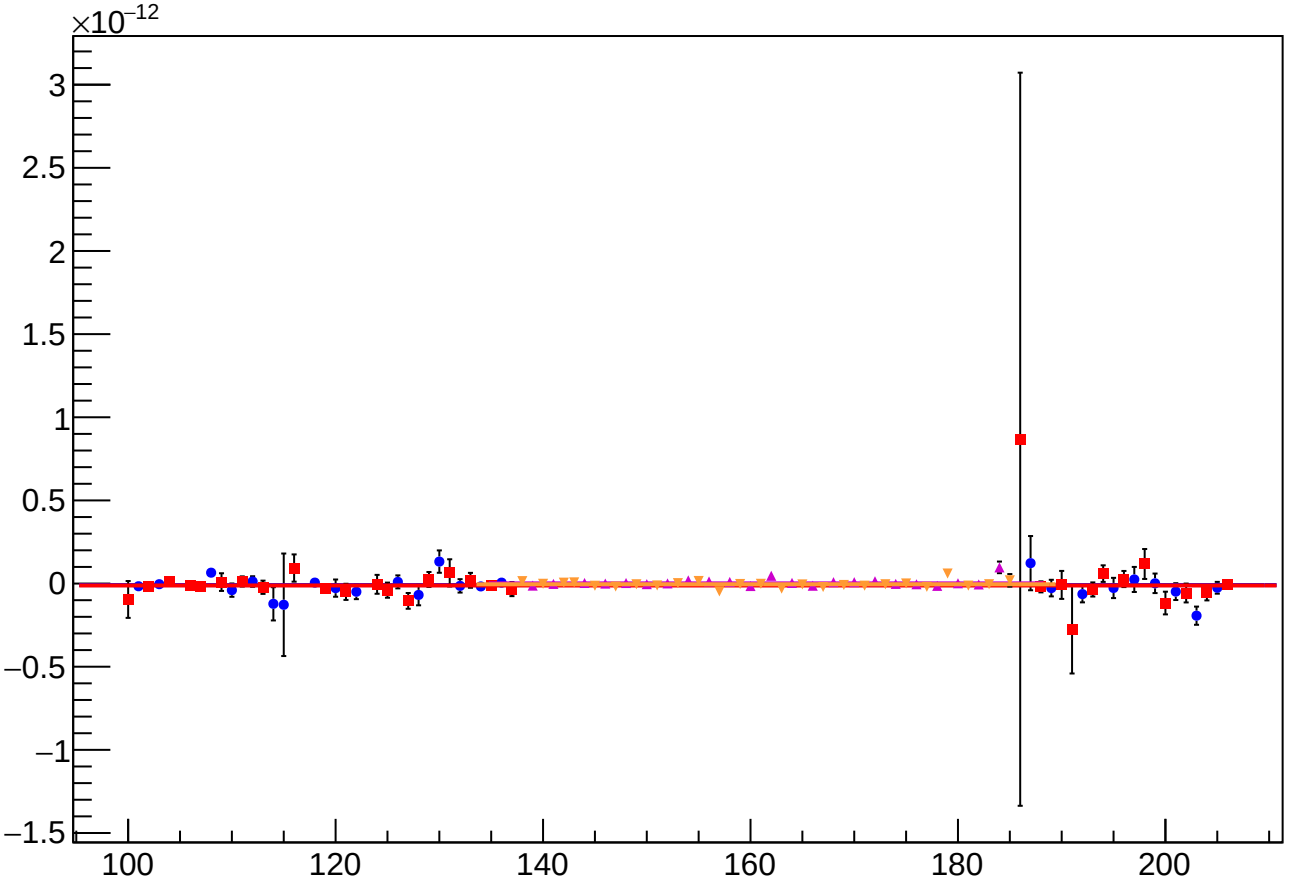
Right Out: 355.059+/-0.065 χ^2/NDF: 2804121.5/30

Left In: 365.324+/-0.061 χ^2/NDF:509496.4/22

+ sign 363.799+/-0.046 χ^2/NDF: 2696577.2/49

All: 362.121+/-0.032 χ^2/NDF: 6026096.1/103

- sign 360.523+/-0.044 χ^2/NDF: 3326874.3/53



Right In: -0.000+/-0.000 χ^2/NDF: 31.4/24

Left Out: -0.000+/-0.000 χ^2/NDF:21.9/24

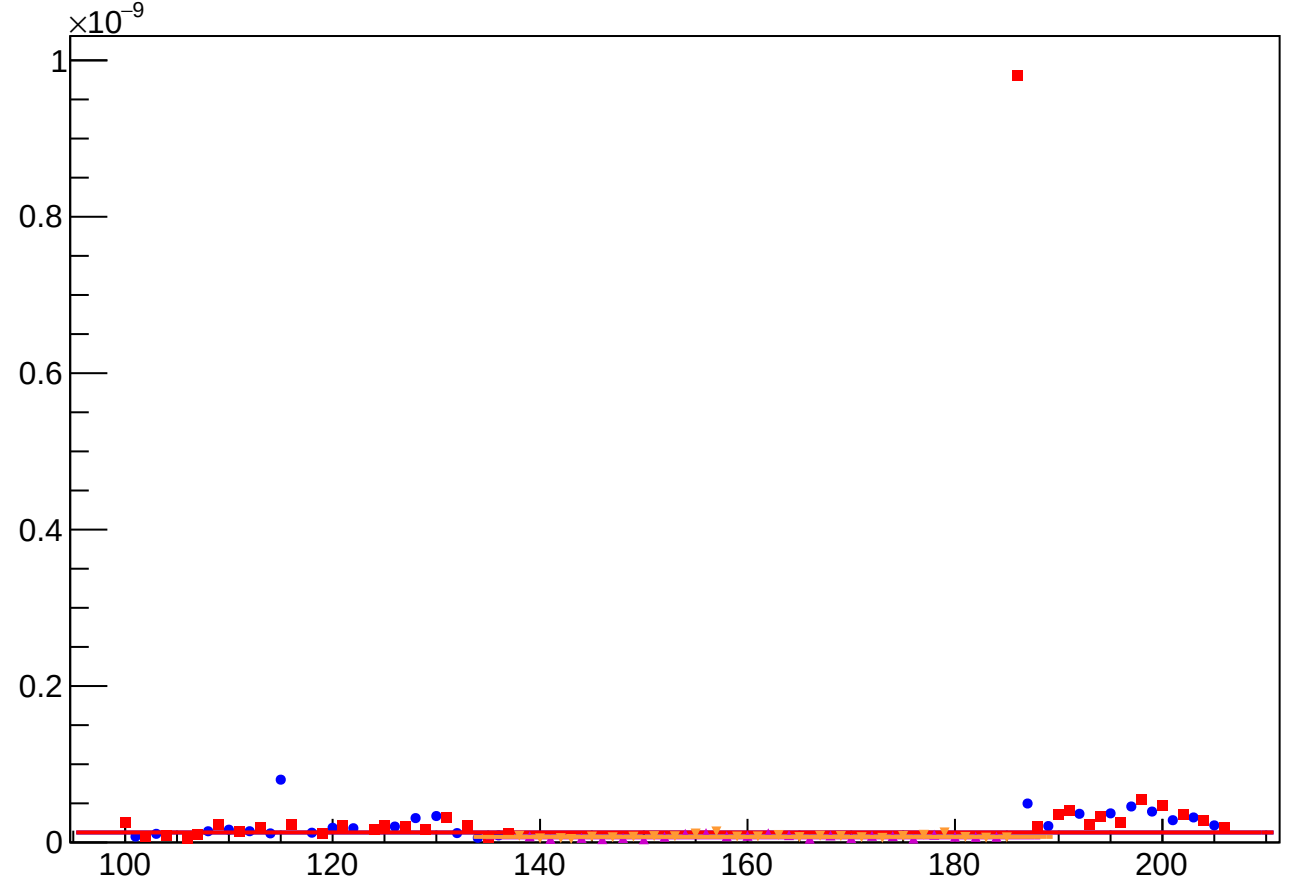
Right Out: -0.000+/-0.000 χ^2/NDF: 22.8/30

Left In: 0.000+/-0.000 χ^2/NDF:21.7/22

+ sign -0.000+/-0.000 χ^2/NDF: 53.9/49

All: -0.000+/-0.000 χ^2/NDF: 103.7/103

- sign -0.000+/-0.000 χ^2/NDF: 48.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 3753943.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:872904.8/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4685988.7/30

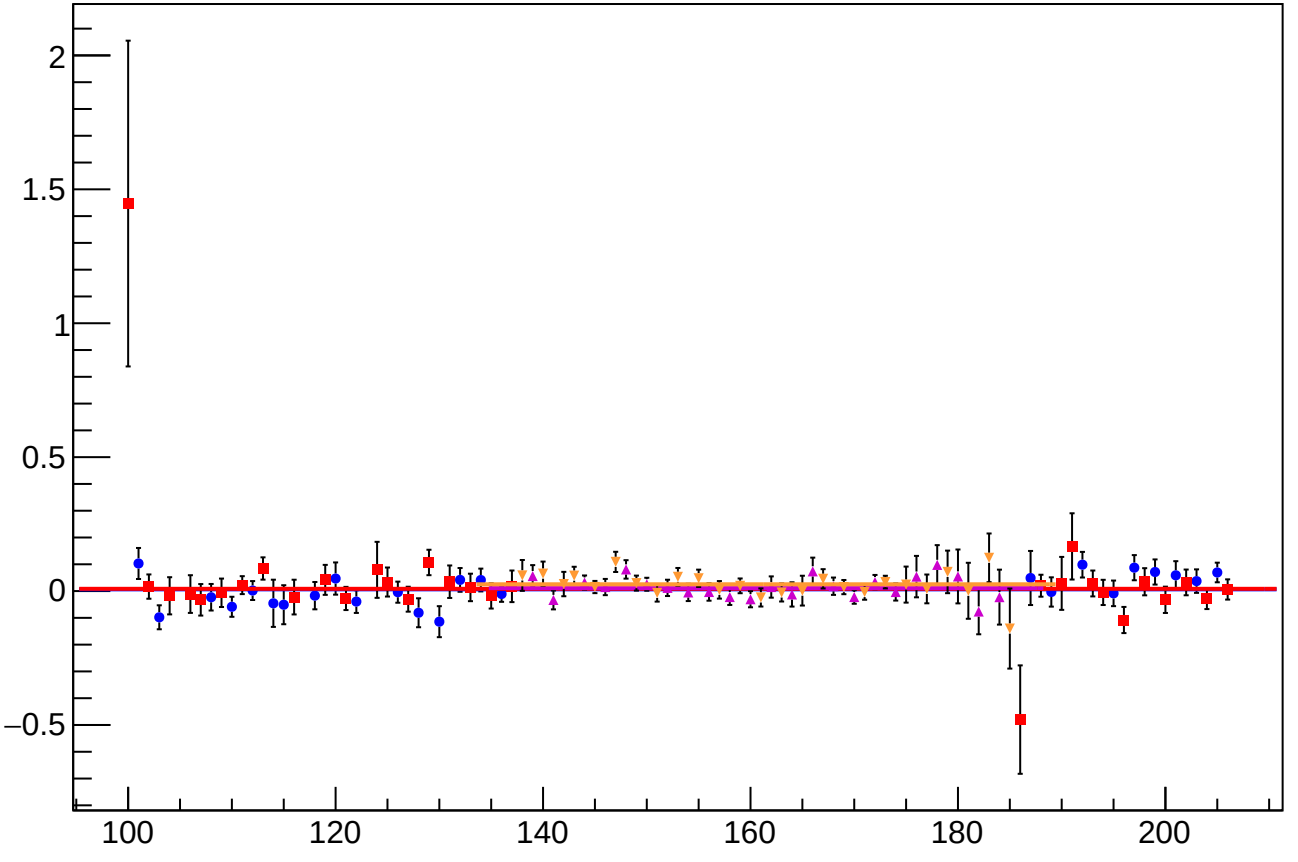
Left In: 0.000+/-0.000 χ^2/NDF:1216388.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 6050268.1/49

All: 0.000+/-0.000 χ^2/NDF: 13952837.8/103

- sign 0.000+/-0.000 χ^2/NDF: 7860972.5/53

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

Right Out: 0.008+/-0.009 χ^2/NDF: 33.1/30

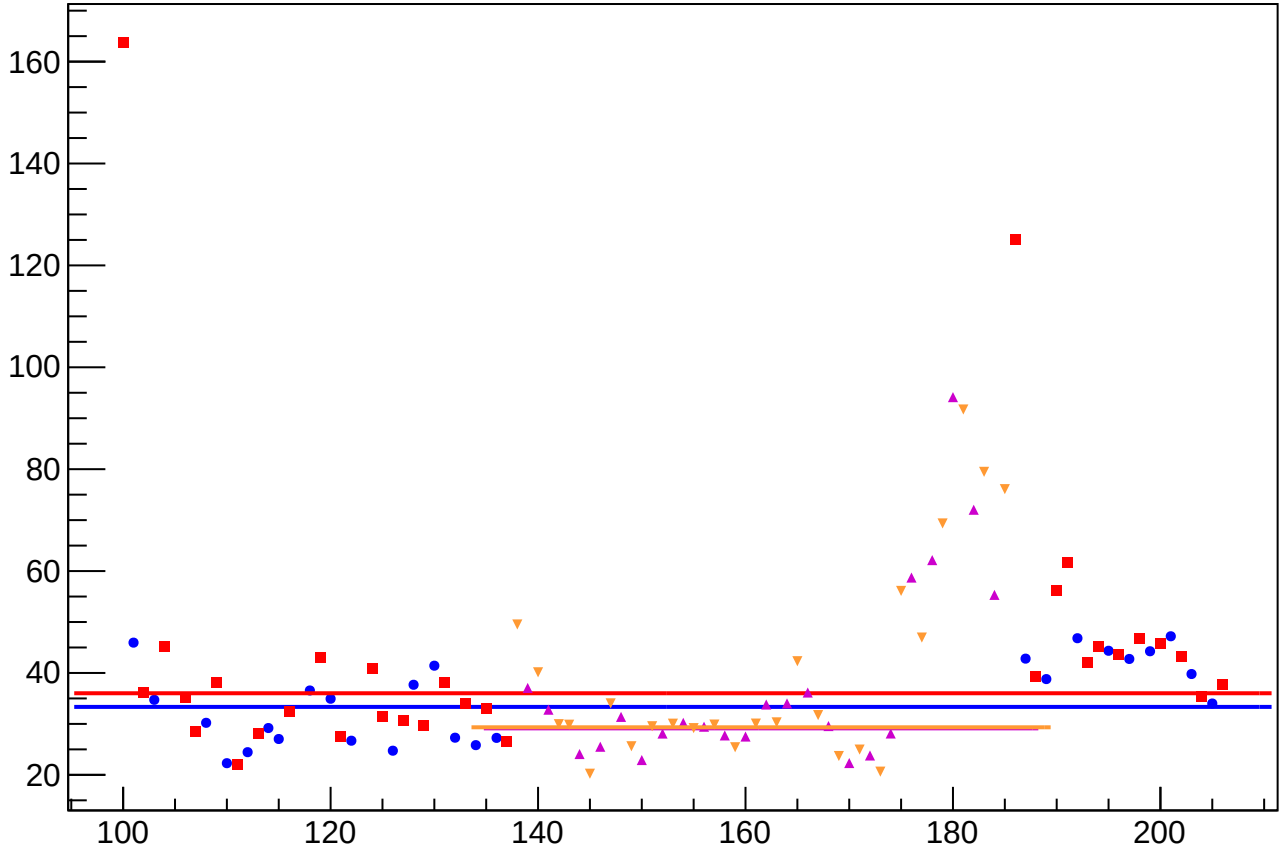
Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.018+/-0.006 χ^2/NDF: 56.4/49

All: 0.014+/-0.004 χ^2/NDF: 109.6/103

- sign 0.010+/-0.006 χ^2/NDF: 52.1/53

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs Slug



Right In: 33.338+/-0.007 χ^2/NDF: 1490495.0/24

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

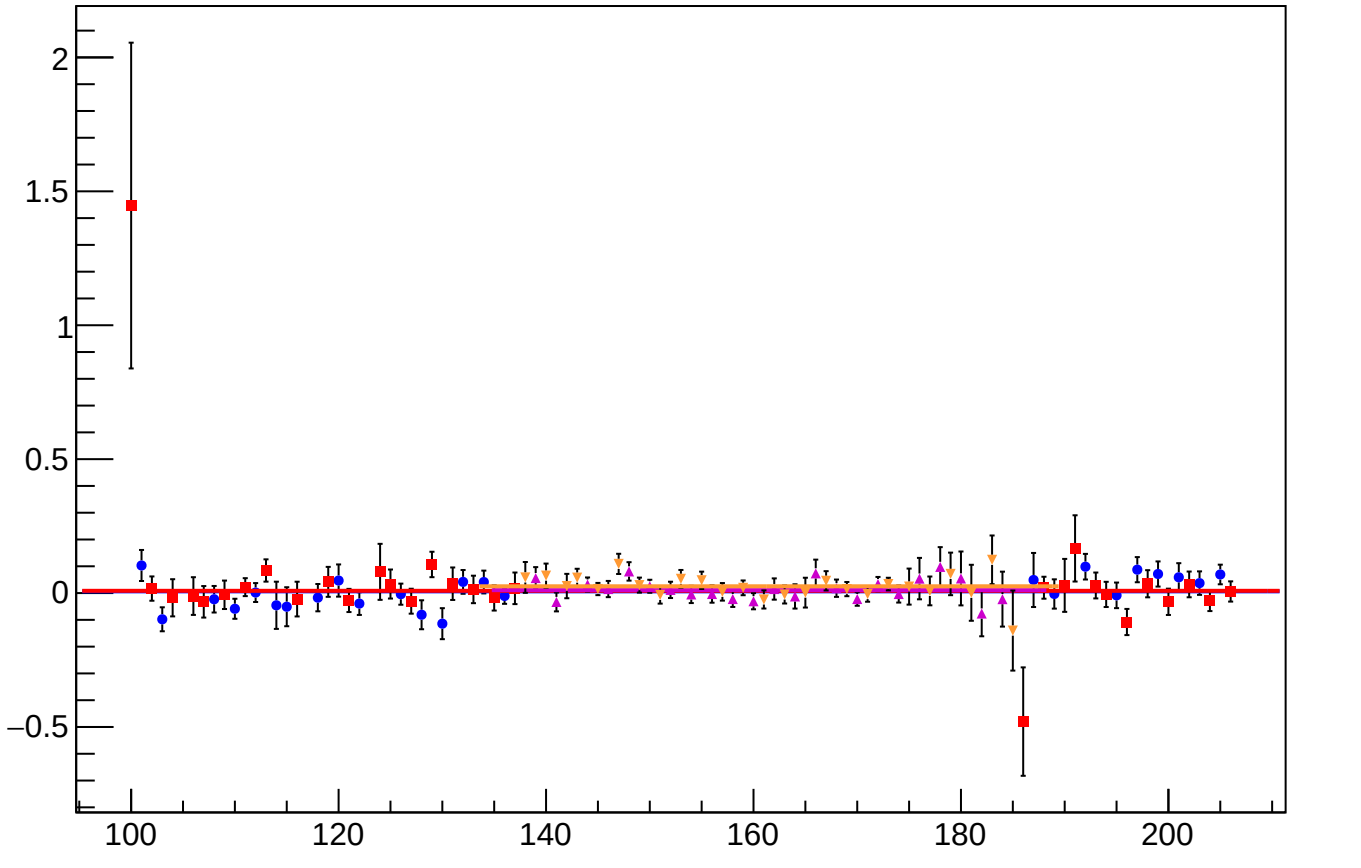
Right Out: 36.017+/-0.007 χ^2/NDF: 1782087.1/30

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

+ sign 30.833+/-0.004 χ^2/NDF: 5598094.3/49

All: 31.285+/-0.003 χ^2/NDF: 10924000.0/103

- sign 31.747+/-0.004 χ^2/NDF: 5300284.0/53



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

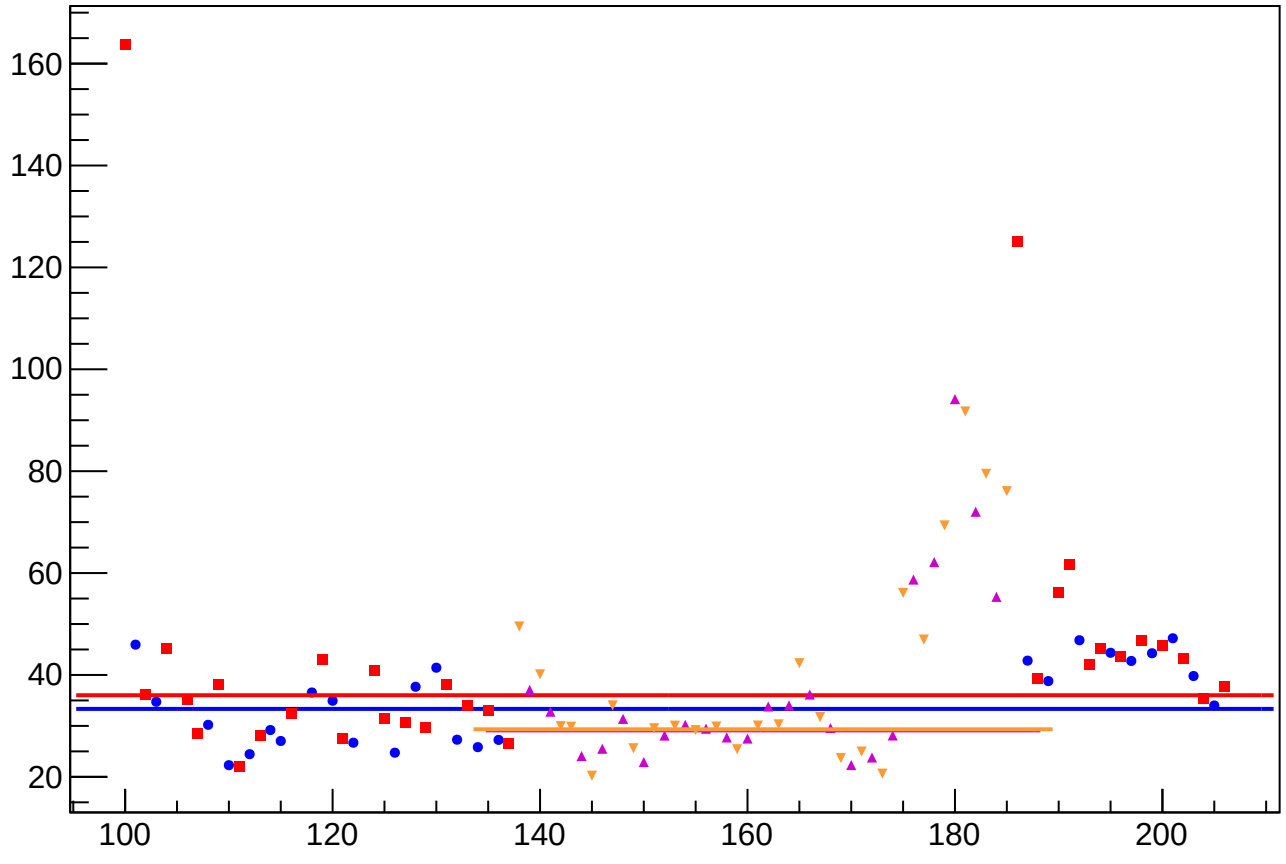
Right Out: 0.008+/-0.009 χ^2/NDF: 33.1/30

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.018+/-0.006 χ^2/NDF: 56.4/49

All: 0.014+/-0.004 χ^2/NDF: 109.6/103

- sign 0.010+/-0.006 χ^2/NDF: 52.1/53



Right In: 33.338+/-0.007 χ^2/NDF: 1490495.0/24

Left Out: 29.335+/-0.005 χ^2/NDF:3874774.5/24

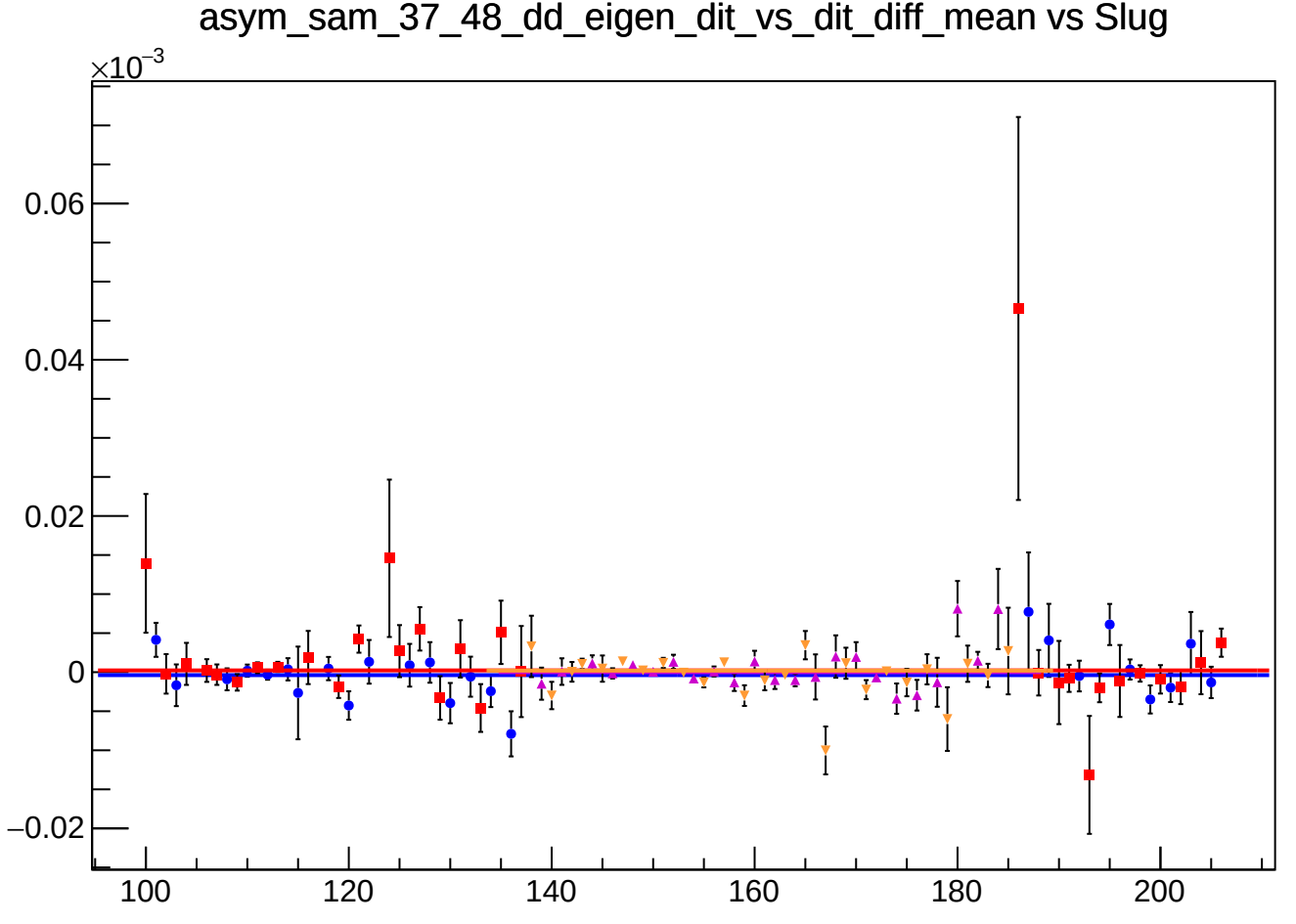
Right Out: 36.017+/-0.007 χ^2/NDF: 1782087.1/30

Left In: 29.125+/-0.005 χ^2/NDF:2839115.6/22

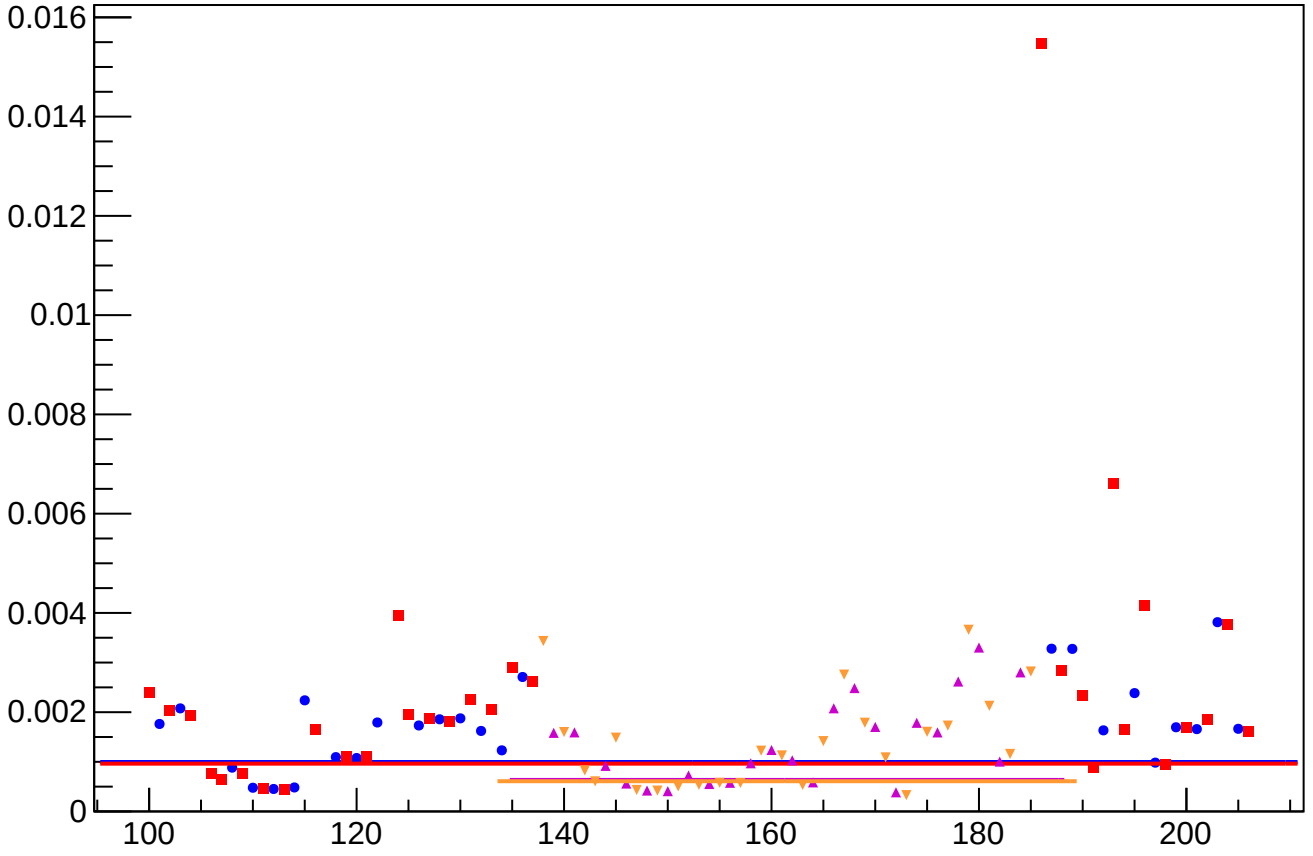
+ sign 30.833+/-0.004 χ^2/NDF: 5598094.3/49

All: 31.285+/-0.003 χ^2/NDF: 10924000.0/103

- sign 31.747+/-0.004 χ^2/NDF: 5300284.0/53


asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 34.6/24
Left Out: 0.000+/-0.000 χ²/NDF:52.6/24
Right Out: 0.000+/-0.000 χ²/NDF: 39.6/30
Left In: 0.000+/-0.000 χ²/NDF:32.9/22
+ sign 0.000+/-0.000 χ²/NDF: 89.7/49
All: 0.000+/-0.000 χ²/NDF: 162.6/103
- sign 0.000+/-0.000 χ²/NDF: 72.9/53

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs Slug



Right In: 0.001+/-0.000 χ^2/NDF: 8039507.4/24

Left Out: 0.001+/-0.000 χ^2/NDF:10964161.2/24

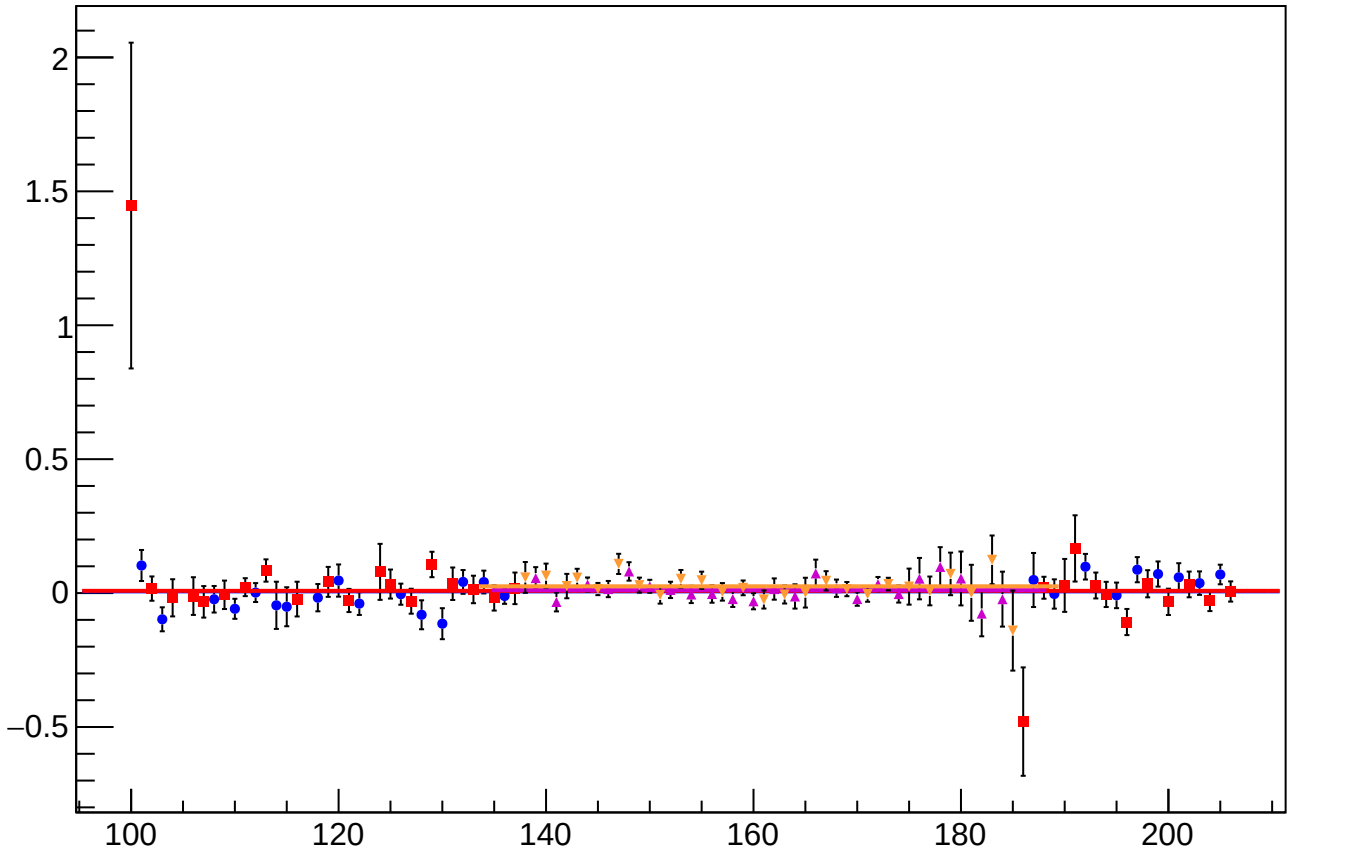
Right Out: 0.001+/-0.000 χ^2/NDF: 11083384.6/30

Left In: 0.001+/-0.000 χ^2/NDF:9376124.7/22

+ sign 0.001+/-0.000 χ^2/NDF: 21198963.4/49

All: 0.001+/-0.000 χ^2/NDF: 43424060.8/103

- sign 0.001+/-0.000 χ^2/NDF: 22181958.1/53



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

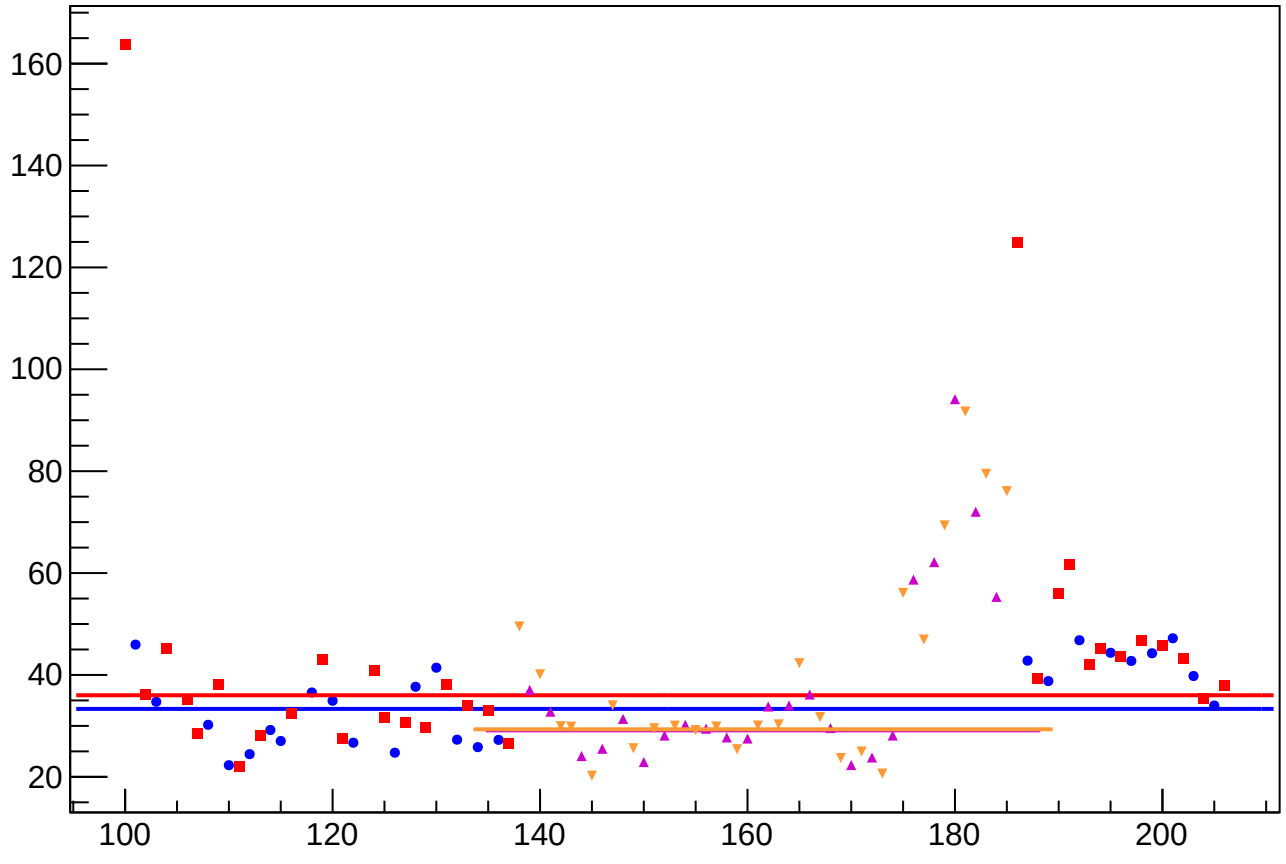
Right Out: 0.008+/-0.009 χ^2/NDF: 33.1/30

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.018+/-0.006 χ^2/NDF: 56.4/49

All: 0.014+/-0.004 χ^2/NDF: 109.6/103

- sign 0.010+/-0.006 χ^2/NDF: 52.1/53



Right In: 33.338+/-0.007 χ^2/NDF: 1490409.3/24

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

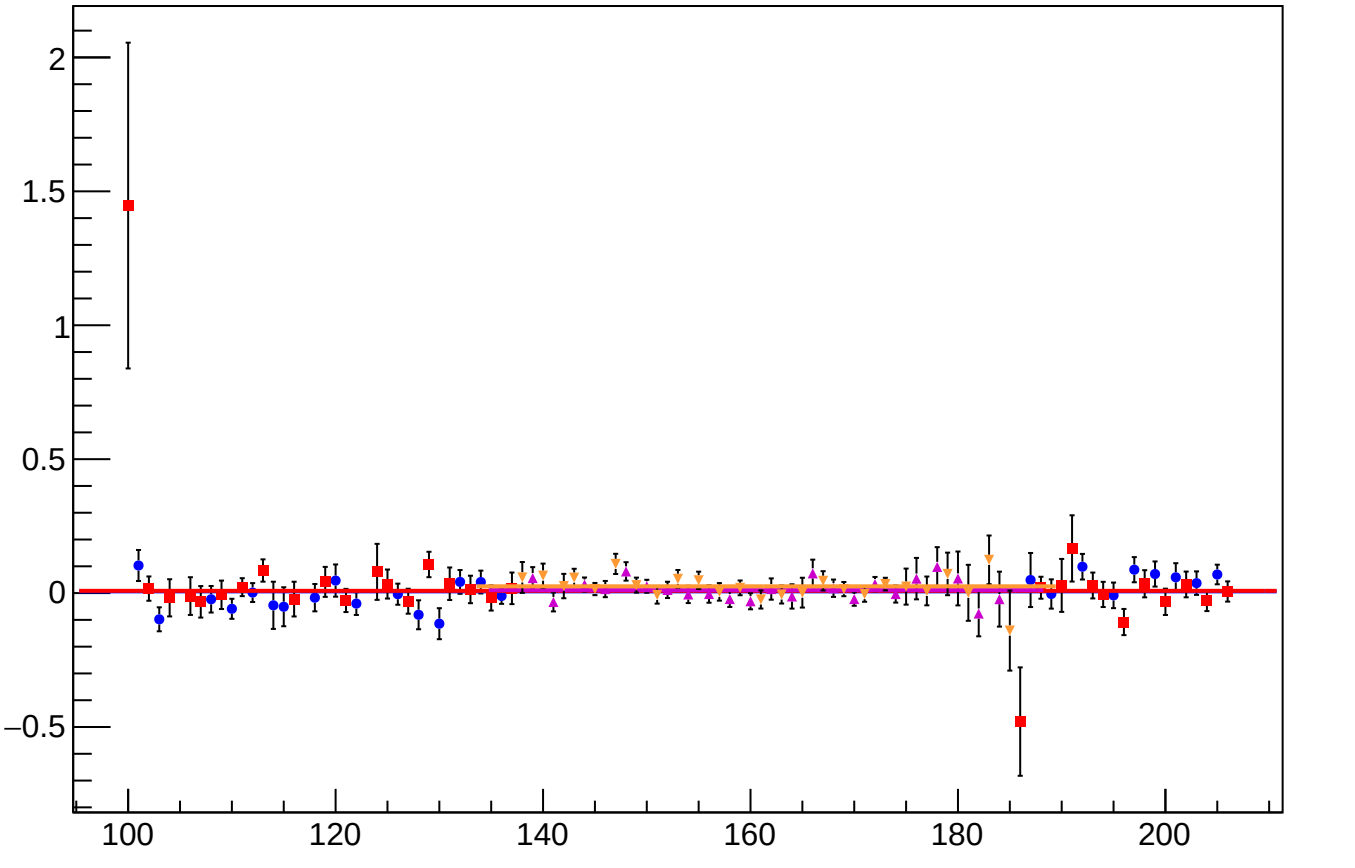
Right Out: 36.017+/-0.007 χ^2/NDF: 1781988.9/30

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.833+/-0.004 χ^2/NDF: 5598095.2/49

All: 31.285+/-0.003 χ^2/NDF: 10923920.4/103

- sign 31.747+/-0.004 χ^2/NDF: 5300200.2/53



Right In: 0.006+/-0.009 χ^2/NDF: 36.4/24

Left Out: 0.025+/-0.007 χ^2/NDF:17.4/24

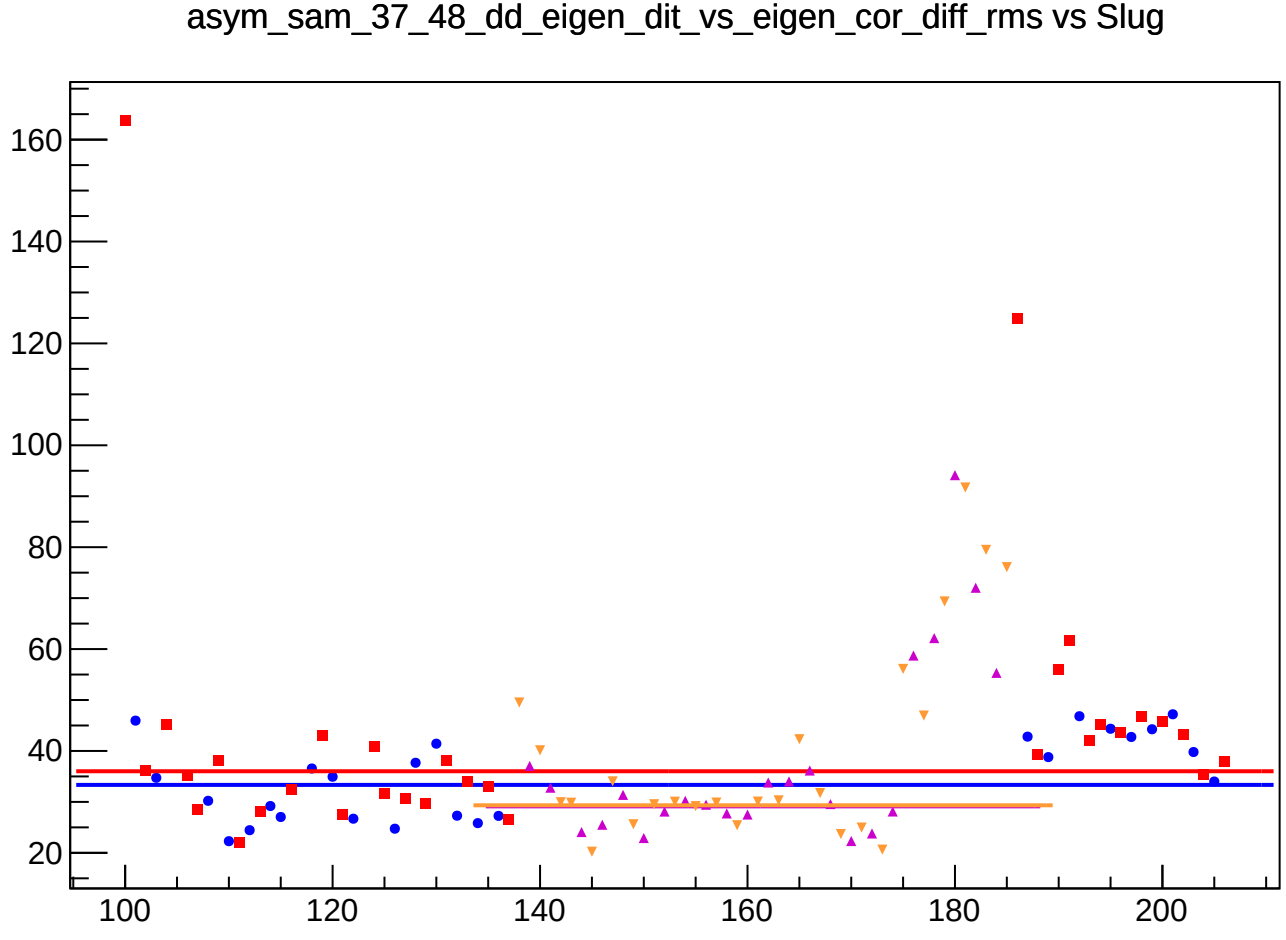
Right Out: 0.008+/-0.009 χ^2/NDF: 33.1/30

Left In: 0.011+/-0.007 χ^2/NDF:19.0/22

+ sign 0.018+/-0.006 χ^2/NDF: 56.4/49

All: 0.014+/-0.004 χ^2/NDF: 109.6/103

- sign 0.010+/-0.006 χ^2/NDF: 52.1/53



Right In: 33.338+/-0.007 χ^2/NDF: 1490409.3/24

Left Out: 29.334+/-0.005 χ^2/NDF:3874839.0/24

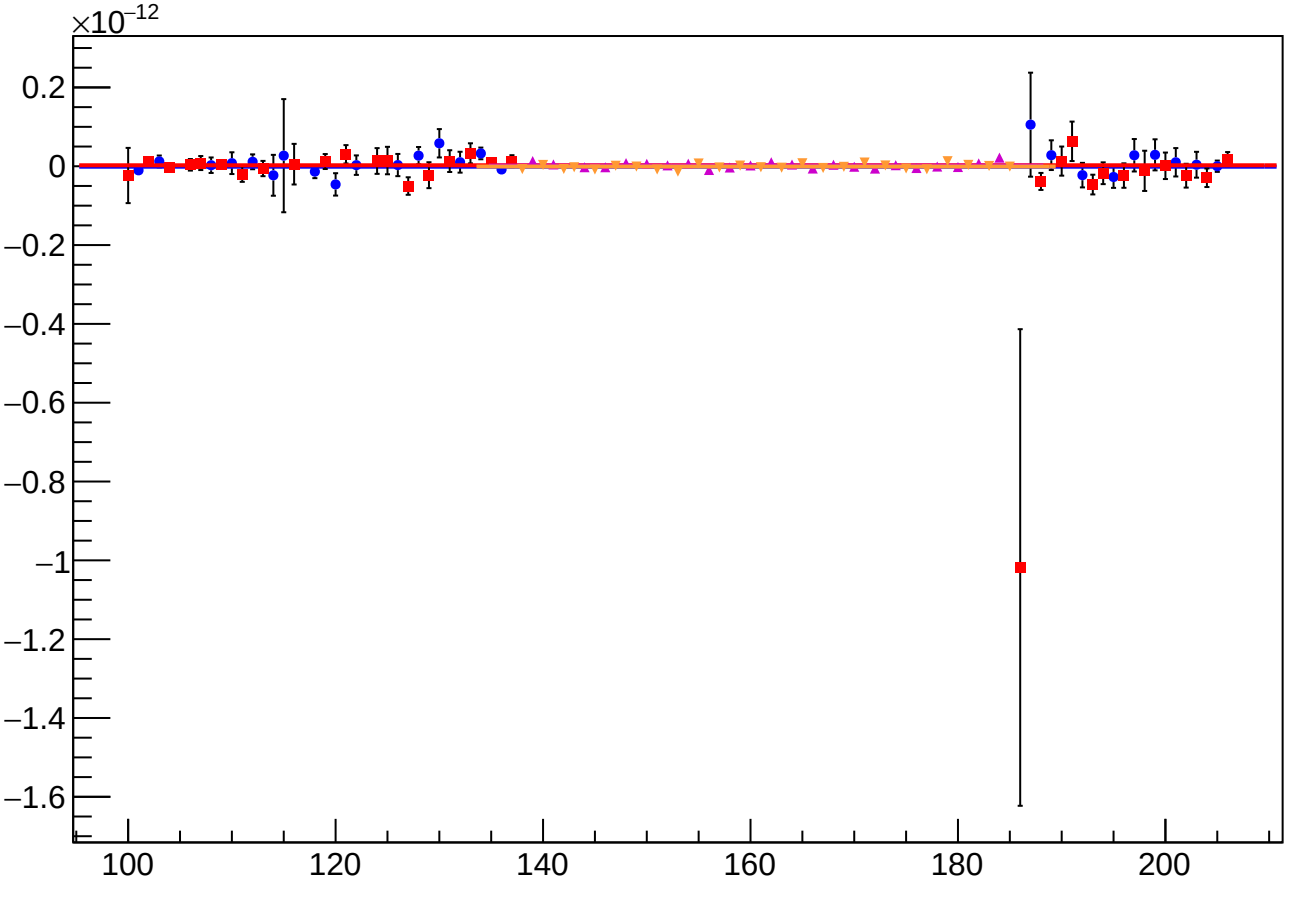
Right Out: 36.017+/-0.007 χ^2/NDF: 1781988.9/30

Left In: 29.124+/-0.005 χ^2/NDF:2839078.4/22

+ sign 30.833+/-0.004 χ^2/NDF: 5598095.2/49

All: 31.285+/-0.003 χ^2/NDF: 10923920.4/103

- sign 31.747+/-0.004 χ^2/NDF: 5300200.2/53



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:15.1/24

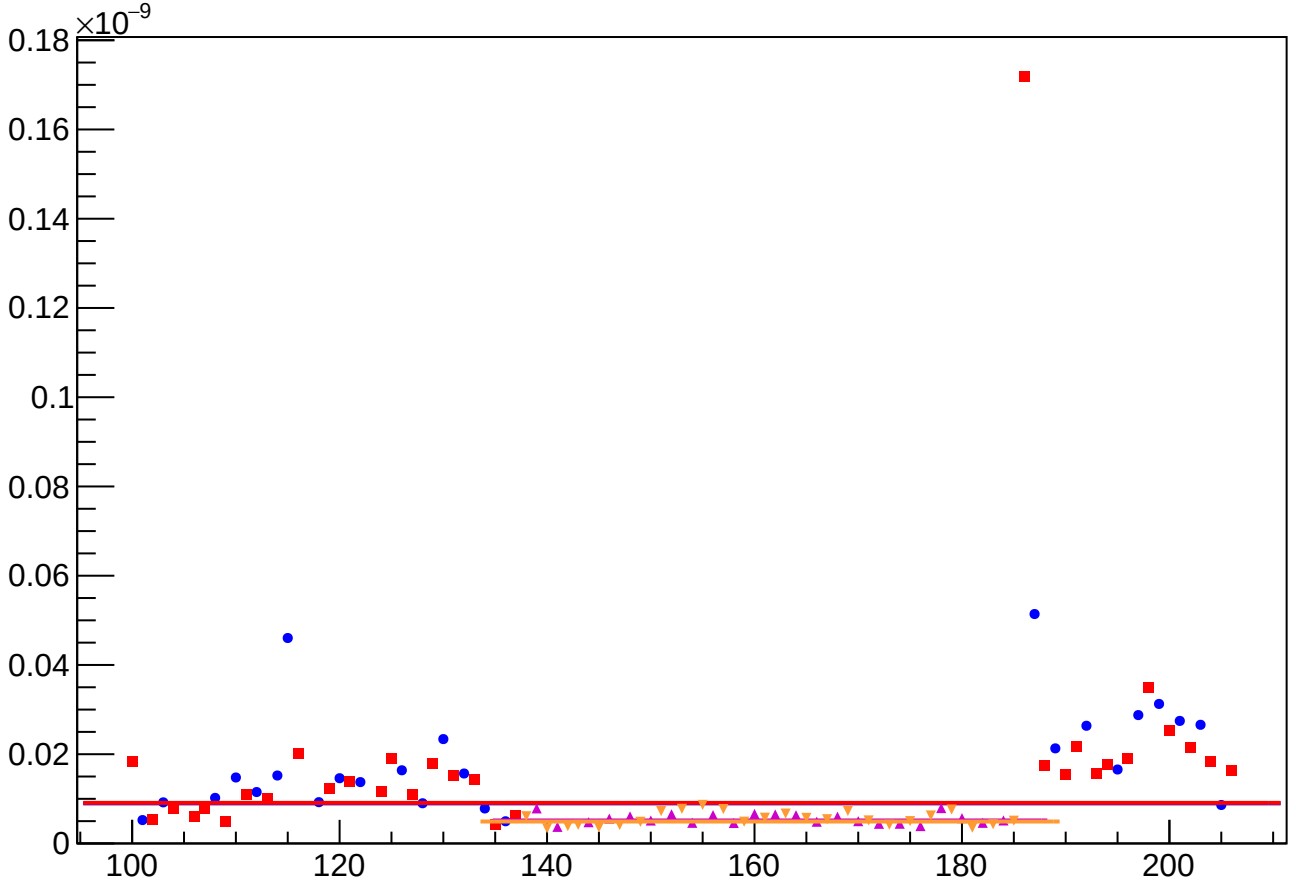
Right Out: 0.000+/-0.000 χ^2/NDF: 30.6/30

Left In: 0.000+/-0.000 χ^2/NDF:16.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 35.9/49

All: 0.000+/-0.000 χ^2/NDF: 84.8/103

- sign 0.000+/-0.000 χ^2/NDF: 47.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 5678206.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:1871499.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5625516.9/30

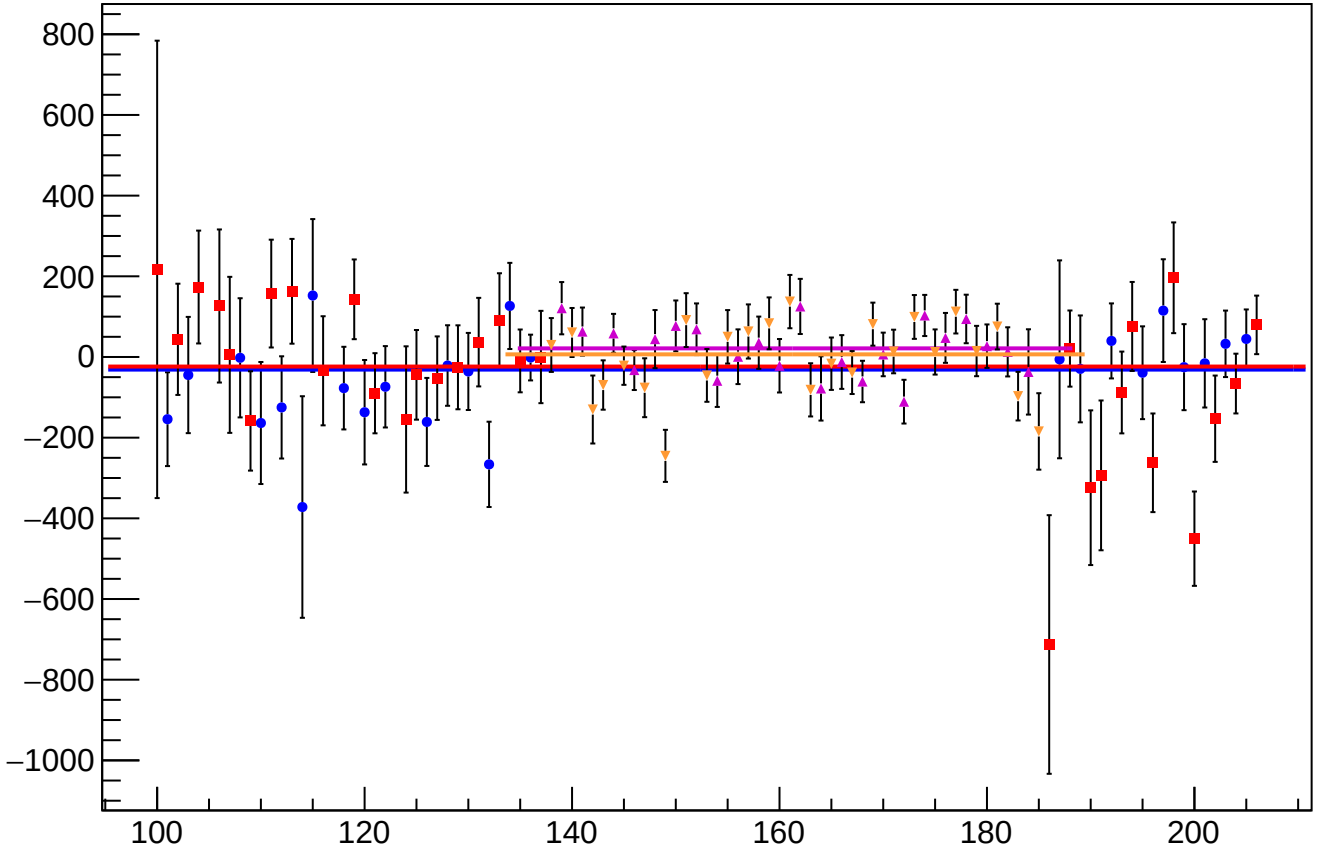
Left In: 0.000+/-0.000 χ^2/NDF:976775.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 9824408.4/49

All: 0.000+/-0.000 χ^2/NDF: 18825719.2/103

- sign 0.000+/-0.000 χ^2/NDF: 8942200.3/53

reg_asym_sam_15_26_dd_mean vs Slug



Right In: -31.254+/-21.405 χ^2/NDF: 18.4/24

Left Out: 6.523+/-12.287 χ^2/NDF:50.6/24

Right Out: -23.736+/-20.820 χ^2/NDF: 47.6/30

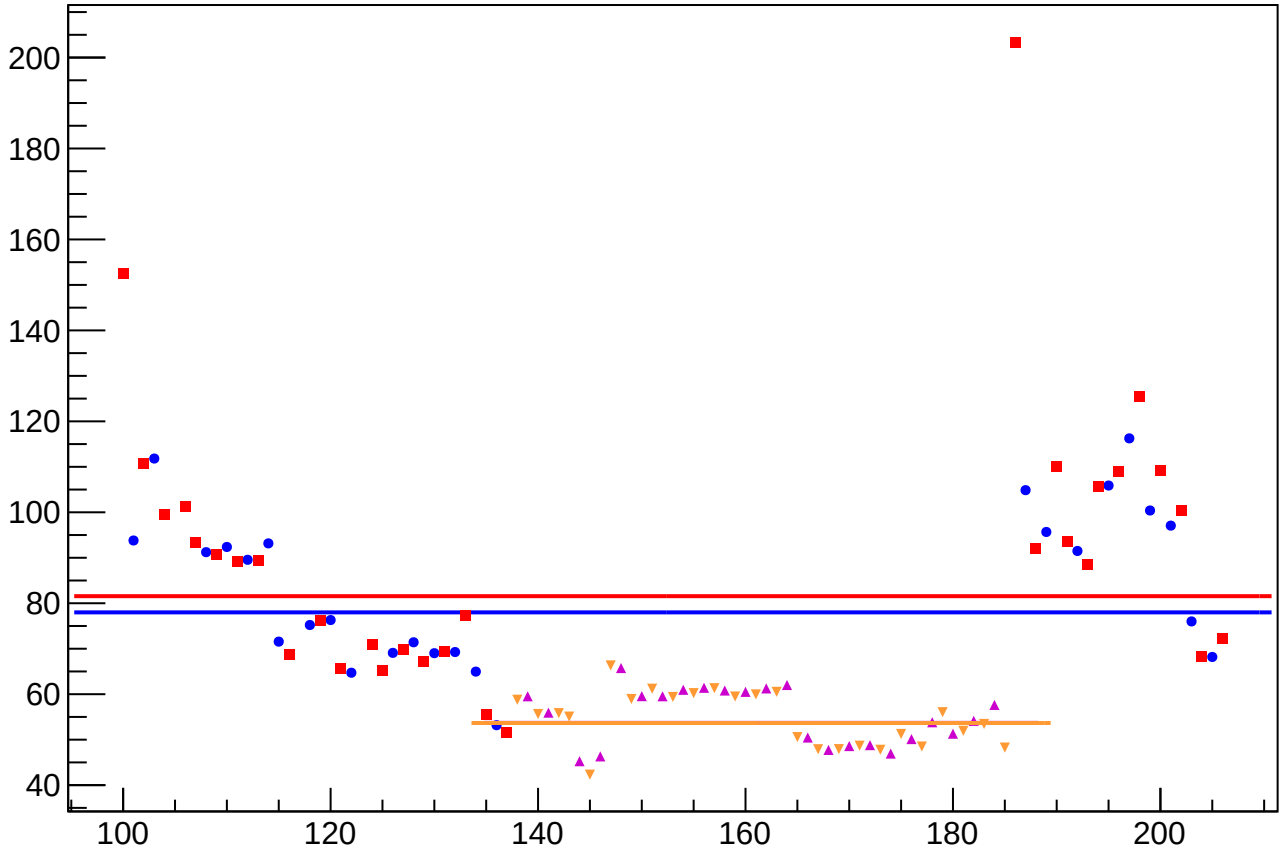
Left In: 21.336+/-12.649 χ^2/NDF:25.4/22

+ sign -2.840+/-10.656 χ^2/NDF: 71.4/49

All: 3.086+/-7.589 χ^2/NDF: 148.4/103

- sign 9.184+/-10.810 χ^2/NDF: 76.4/53

reg_asym_sam_15_26_dd_rms vs Slug



Right In: 77.991+/-0.015 χ^2/NDF: 1295076.9/24

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

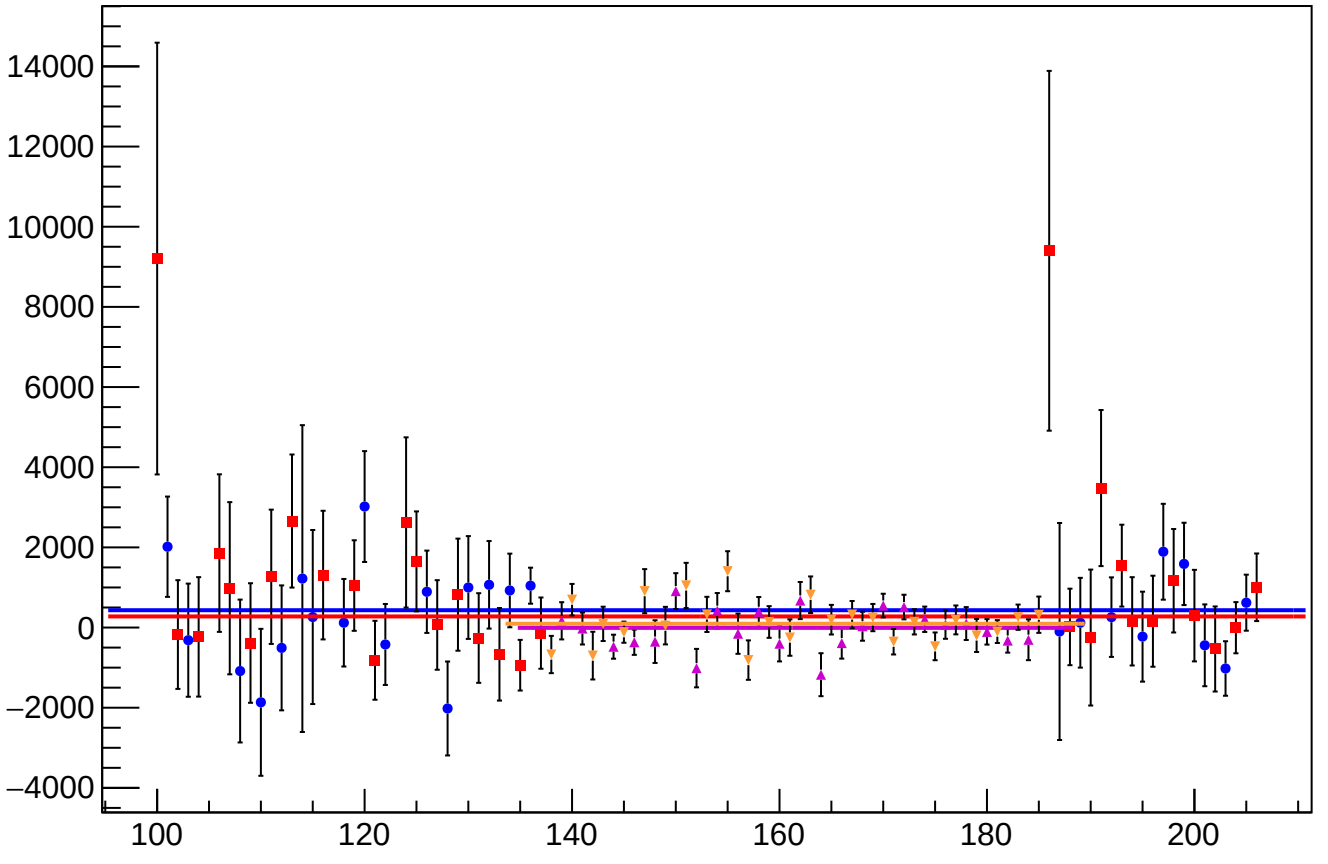
Right Out: 81.556+/-0.015 χ^2/NDF: 1834685.3/30

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 59.694+/-0.008 χ^2/NDF: 3709988.0/49

All: 60.440+/-0.005 χ^2/NDF: 8651969.6/103

- sign 61.206+/-0.008 χ^2/NDF: 4922135.0/53



Right In: 432.318+/-205.814 χ^2/NDF: 24.8/24

Left Out: 95.456+/-77.134 χ^2/NDF:33.2/24

Right Out: 277.268+/-209.421 χ^2/NDF: 26.5/30

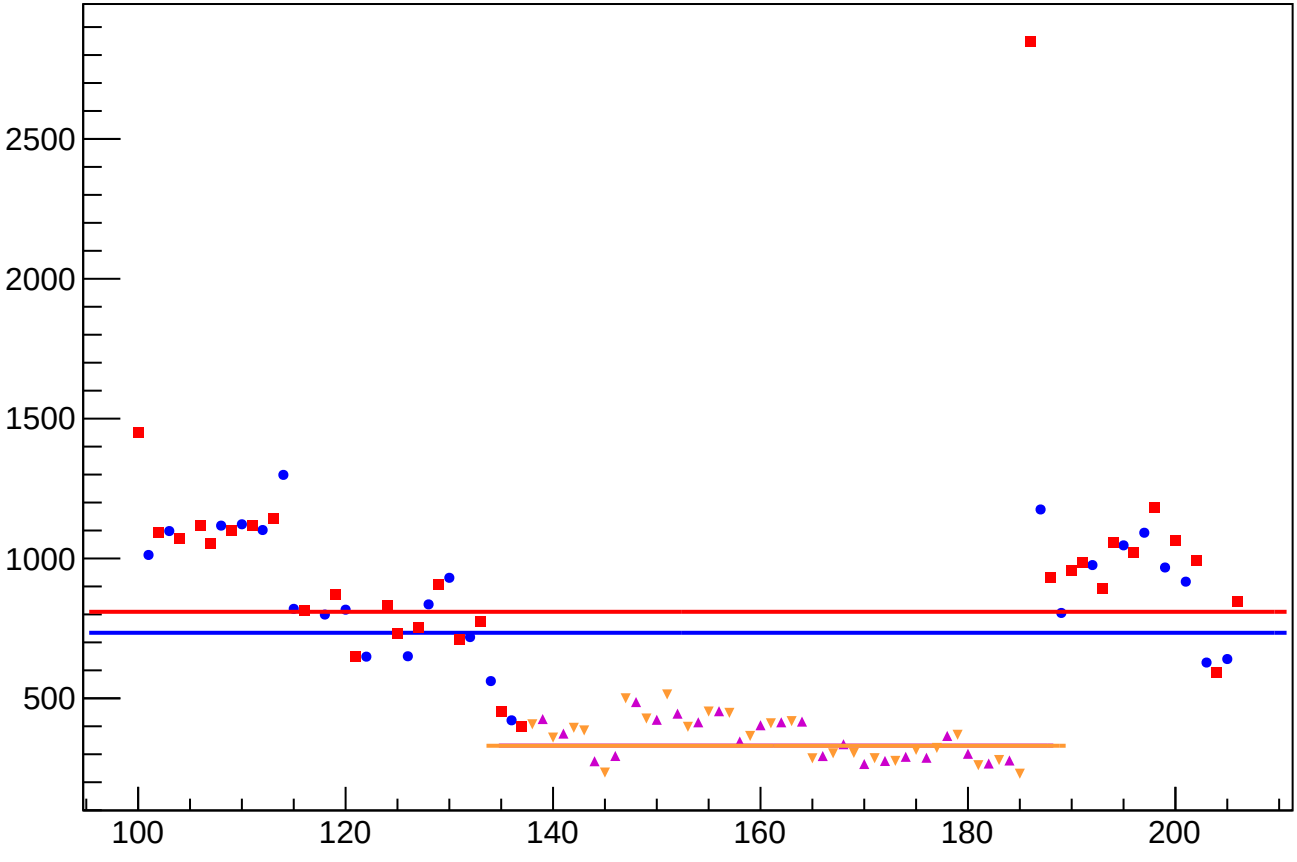
Left In: -7.879+/-79.125 χ^2/NDF:32.3/22

+ sign 136.943+/-72.228 χ^2/NDF: 60.3/49

All: 83.679+/-51.694 χ^2/NDF: 121.8/103

- sign 27.742+/-74.018 χ^2/NDF: 60.4/53

asym_sam_15_26_dd_reg_correction_rms vs Slug



Right In: 734.303+/-0.146 χ^2/NDF: 2483697.0/24

Left Out: 330.405+/-0.055 χ^2/NDF:1752470.5/24

Right Out: 809.322+/-0.148 χ^2/NDF: 2867570.5/30

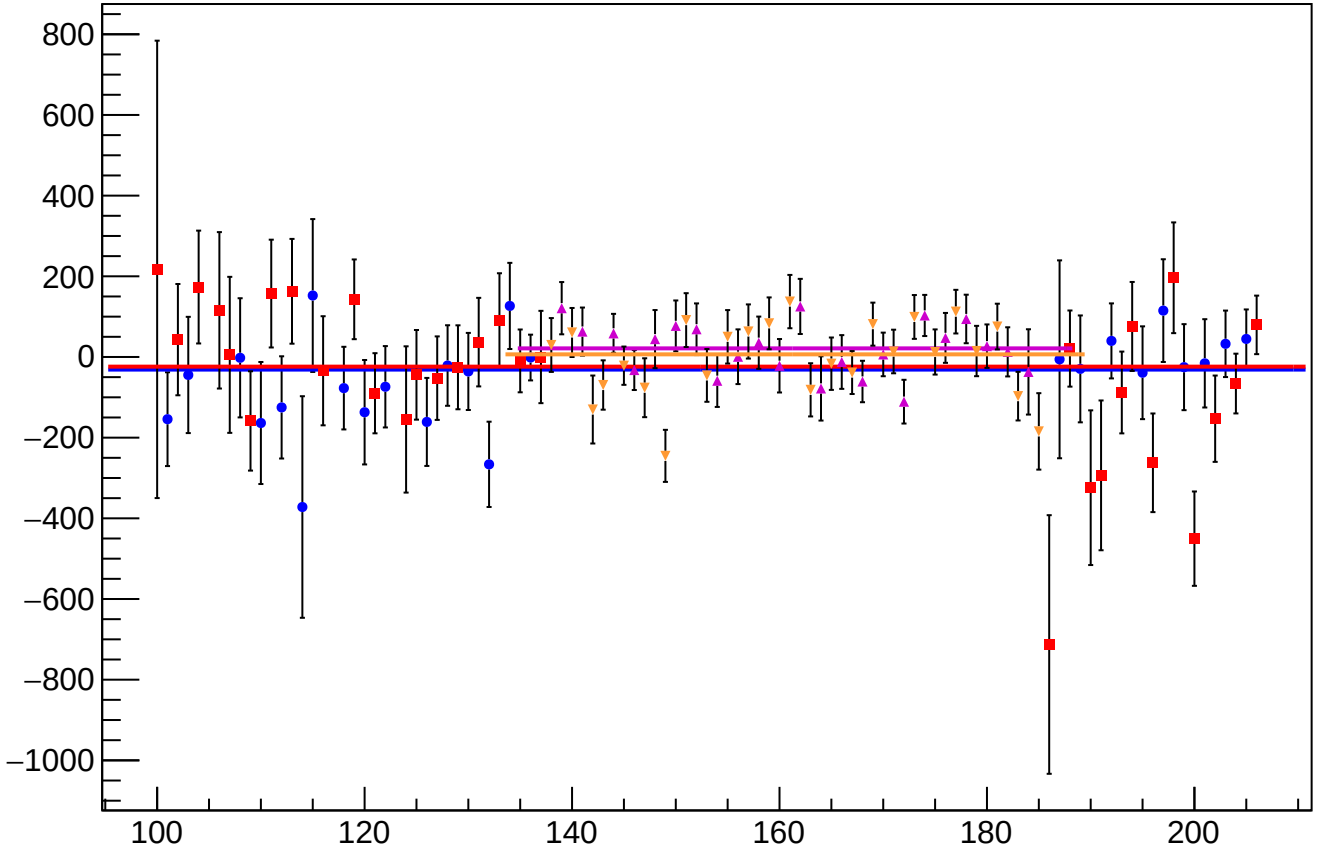
Left In: 331.059+/-0.056 χ^2/NDF:1325602.5/22

+ sign 380.149+/-0.051 χ^2/NDF: 10989885.9/49

All: 385.346+/-0.037 χ^2/NDF: 24332171.9/10

- sign 390.804+/-0.052 χ^2/NDF: 13321055.3/53

cor_asym_sam_15_26_dd_mean vs Slug



Right In: -31.246+/-21.405 χ^2/NDF: 18.4/24

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -23.956+/-20.825 χ^2/NDF: 47.4/30

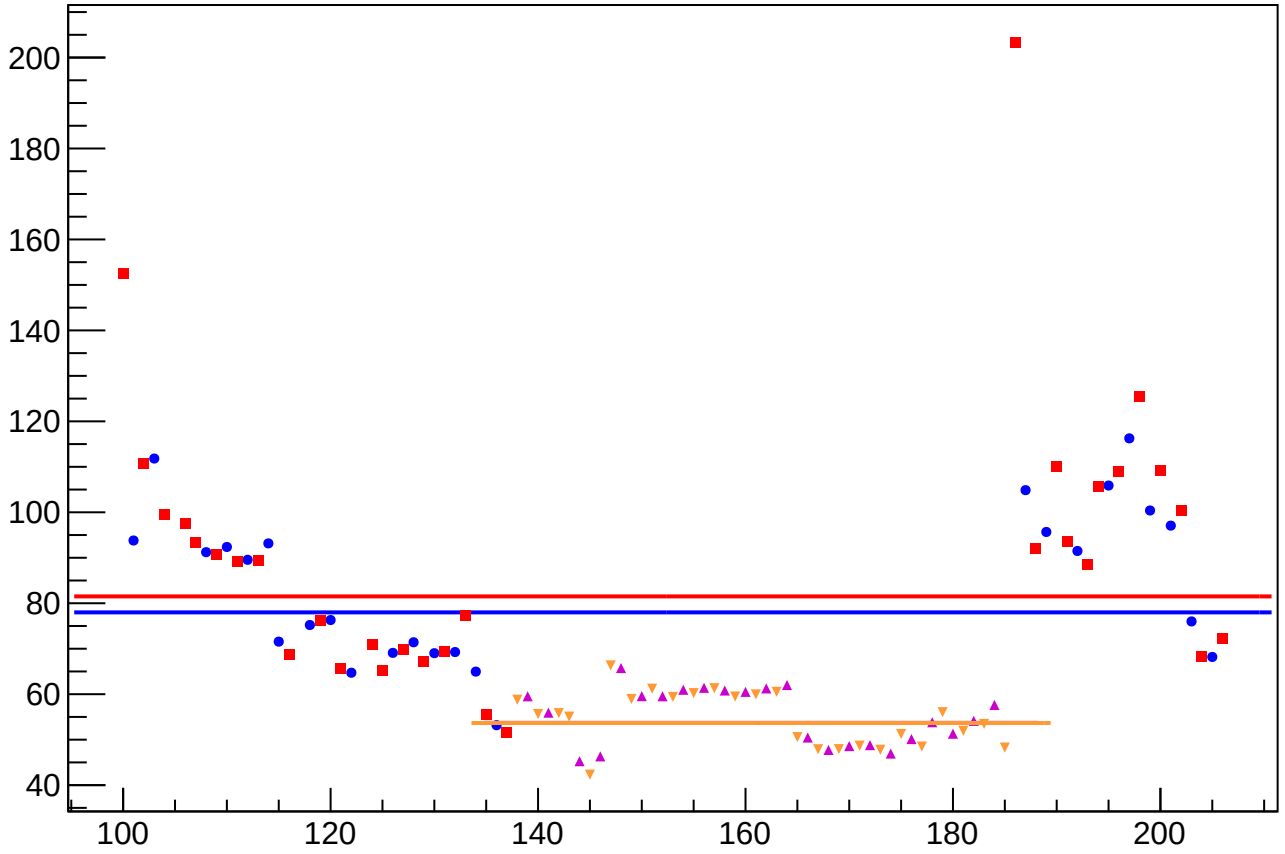
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -2.836+/-10.656 χ^2/NDF: 71.4/49

All: 3.060+/-7.589 χ^2/NDF: 148.3/103

- sign 9.129+/-10.811 χ^2/NDF: 76.3/53

cor_asym_sam_15_26_dd_rms vs Slug



Right In: 77.991+/-0.015 χ^2/NDF: 1295079.2/24

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

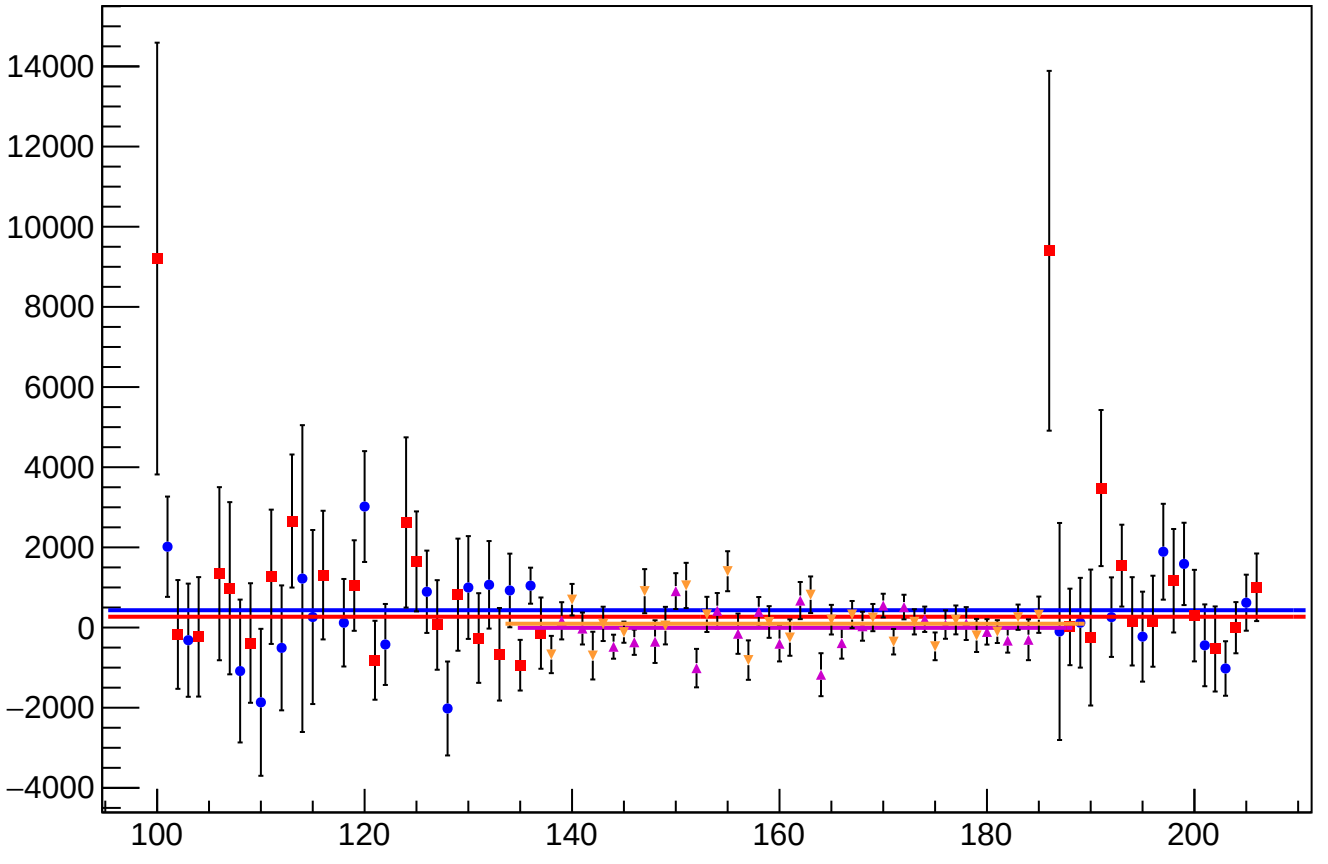
Right Out: 81.505+/-0.015 χ^2/NDF: 1827035.3/30

Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 59.694+/-0.008 χ^2/NDF: 3709990.6/49

All: 60.431+/-0.005 χ^2/NDF: 8633104.2/103

- sign 61.189+/-0.008 χ^2/NDF: 4903710.9/53



Right In: 432.312+/-205.815 χ^2/NDF: 24.8/24

Left Out: 95.458+/-77.134 χ^2/NDF:33.2/24

Right Out: 269.428+/-209.628 χ^2/NDF: 26.1/30

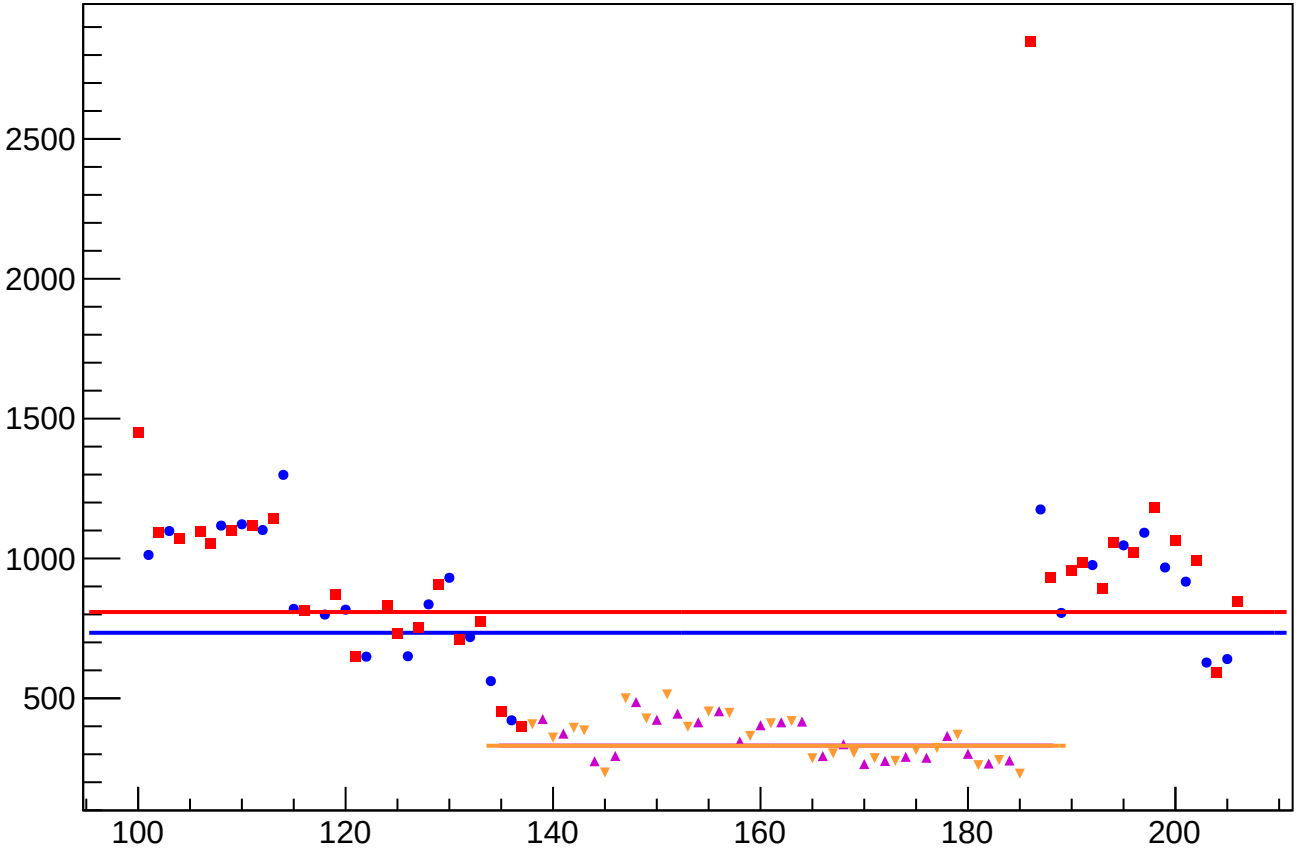
Left In: -7.875+/-79.125 χ^2/NDF:32.3/22

+ sign 136.945+/-72.228 χ^2/NDF: 60.3/49

All: 83.181+/-51.697 χ^2/NDF: 121.3/103

- sign 26.706+/-74.027 χ^2/NDF: 59.9/53

asym_sam_15_26_dd_cor_correction_rms vs Slug



Right In: 734.303+/-0.146 χ^2/NDF: 2483720.8/24

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 808.513+/-0.148 χ^2/NDF: 2853579.8/30

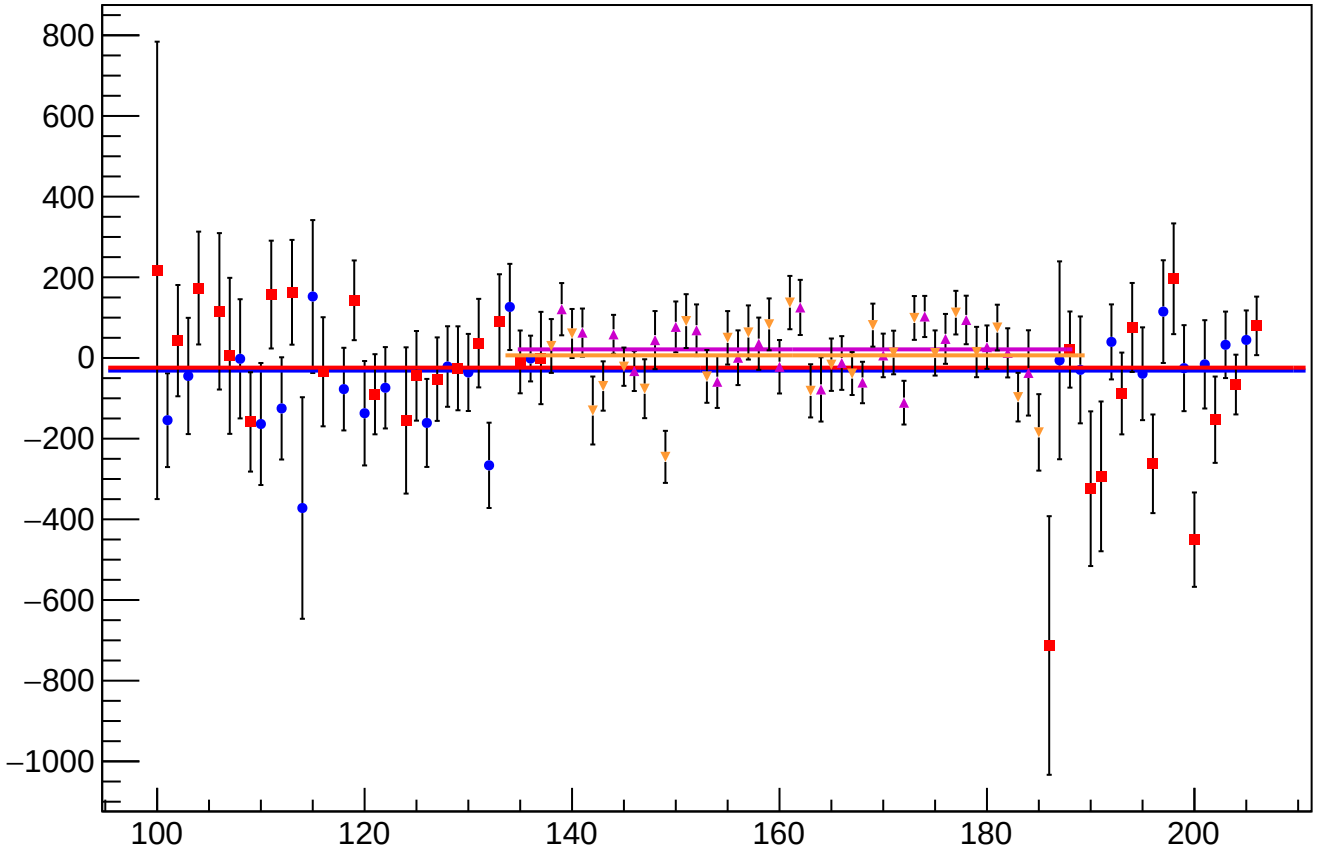
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 380.149+/-0.051 χ^2/NDF: 10989906.6/49

All: 385.246+/-0.037 χ^2/NDF: 24270832.6/10

- sign 390.600+/-0.052 χ^2/NDF: 13260504.2/53

eigen_cor_asym_sam_15_26_dd_mean vs Slug



Right In: -31.246+/-21.405 χ^2/NDF: 18.4/24

Left Out: 6.526+/-12.287 χ^2/NDF:50.6/24

Right Out: -23.956+/-20.825 χ^2/NDF: 47.4/30

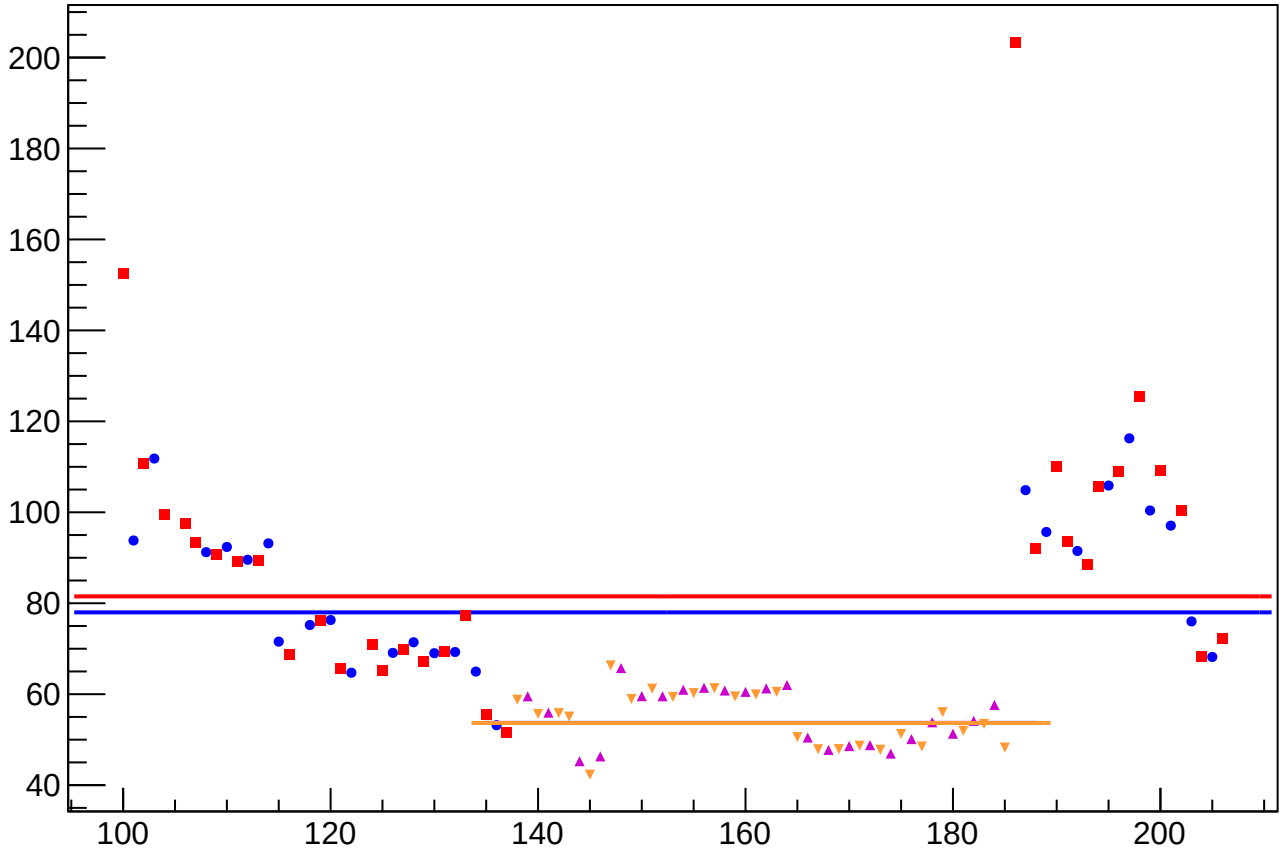
Left In: 21.335+/-12.649 χ^2/NDF:25.4/22

+ sign -2.836+/-10.656 χ^2/NDF: 71.4/49

All: 3.060+/-7.589 χ^2/NDF: 148.3/103

- sign 9.129+/-10.811 χ^2/NDF: 76.3/53

eigen_cor_asym_sam_15_26_dd_rms vs Slug



Right In: 77.991+/-0.015 χ^2/NDF: 1295079.2/24

Left Out: 53.666+/-0.009 χ^2/NDF:472206.8/24

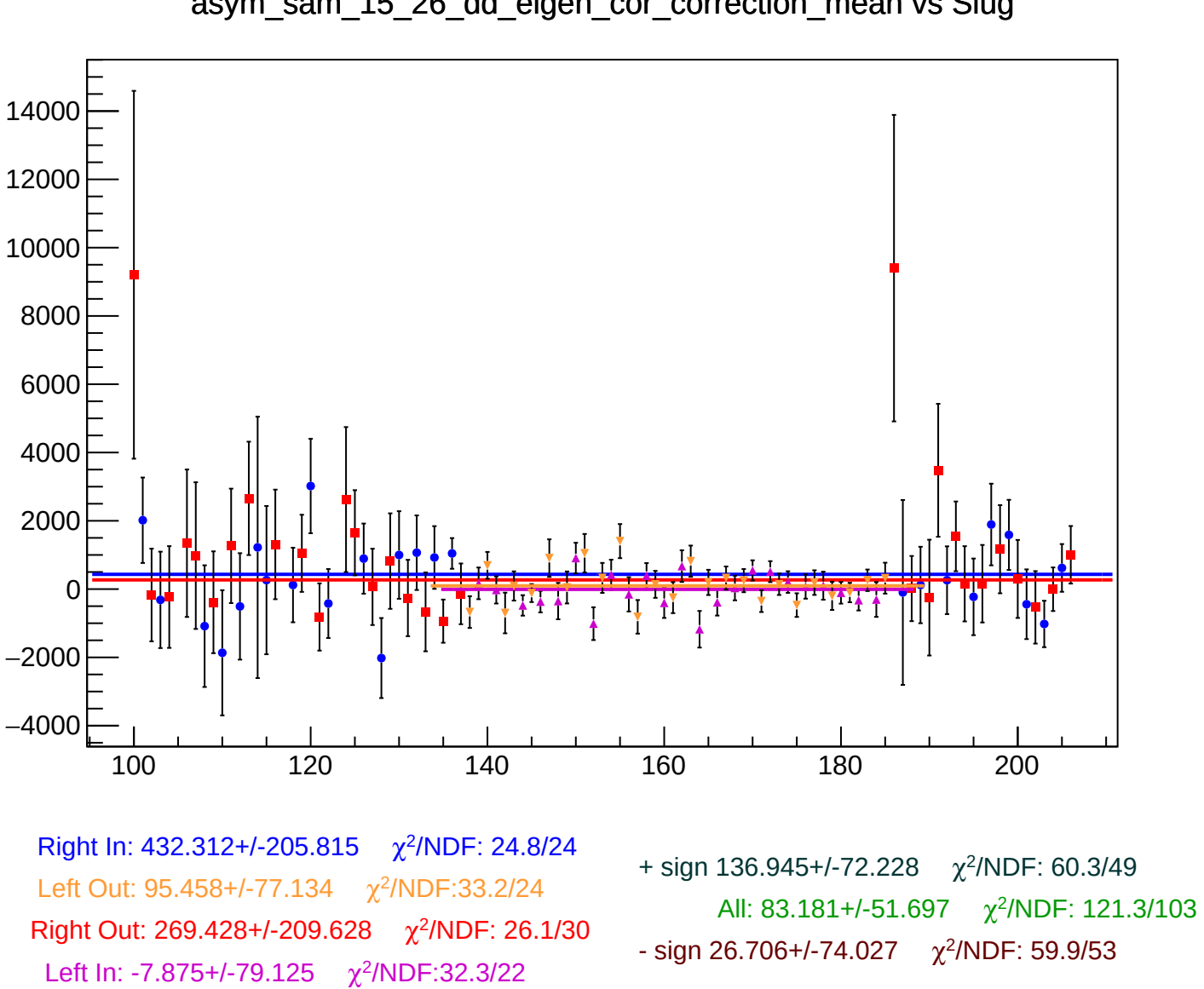
Right Out: 81.505+/-0.015 χ^2/NDF: 1827035.3/30

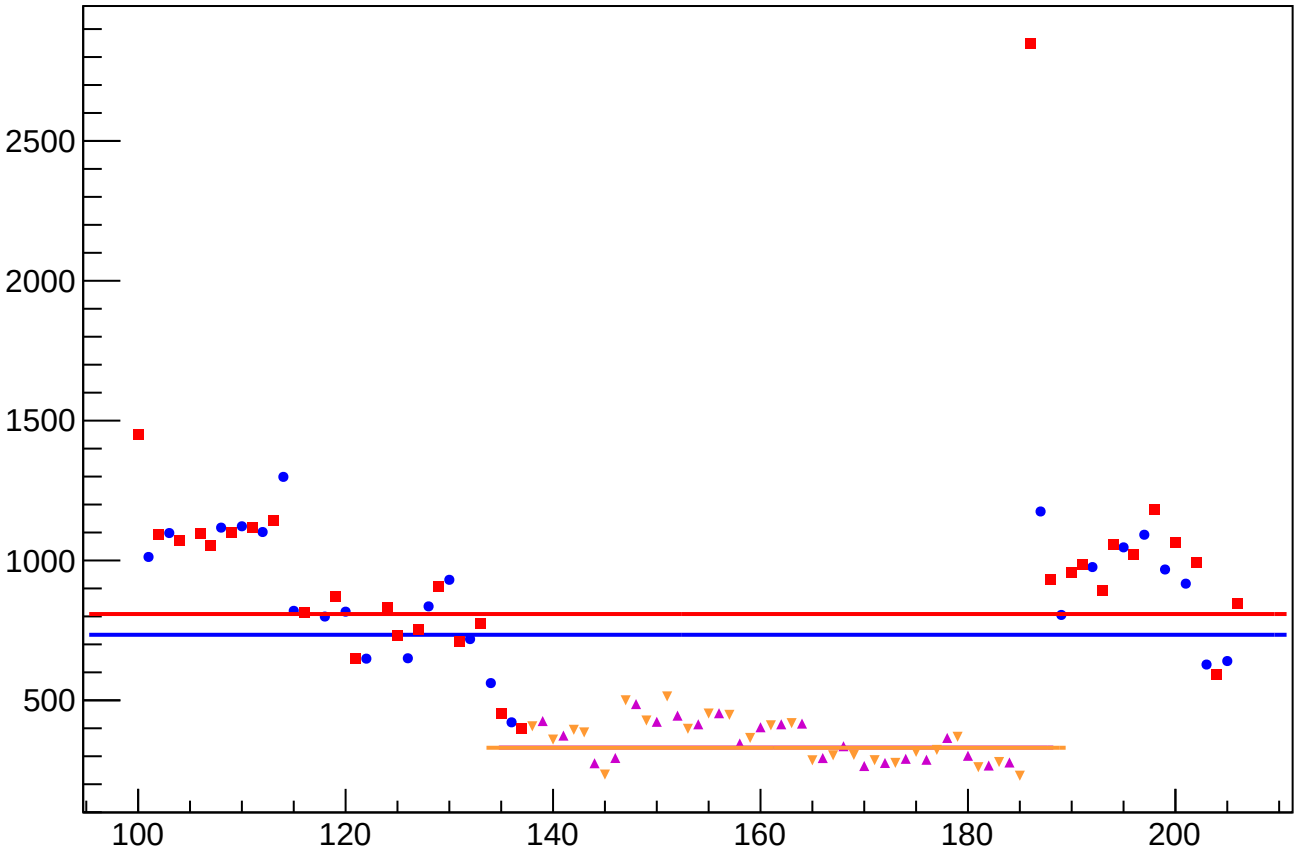
Left In: 53.695+/-0.009 χ^2/NDF:471343.7/22

+ sign 59.694+/-0.008 χ^2/NDF: 3709990.6/49

All: 60.431+/-0.005 χ^2/NDF: 8633104.2/103

- sign 61.189+/-0.008 χ^2/NDF: 4903710.9/53


asym_sam_15_26_dd_eigen_cor_correction_mean vs Slug
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
100
120
140
160
180
200
Right In: 432.312+/-205.815 χ²/NDF: 24.8/24
Left Out: 95.458+/-77.134 χ²/NDF:33.2/24
Right Out: 269.428+/-209.628 χ²/NDF: 26.1/30
Left In: -7.875+/-79.125 χ²/NDF:32.3/22
+ sign 136.945+/-72.228 χ²/NDF: 60.3/49
All: 83.181+/-51.697 χ²/NDF: 121.3/103
- sign 26.706+/-74.027 χ²/NDF: 59.9/53



Right In: 734.303+/-0.146 χ^2/NDF: 2483720.8/24

Left Out: 330.405+/-0.055 χ^2/NDF:1752469.2/24

Right Out: 808.513+/-0.148 χ^2/NDF: 2853579.8/30

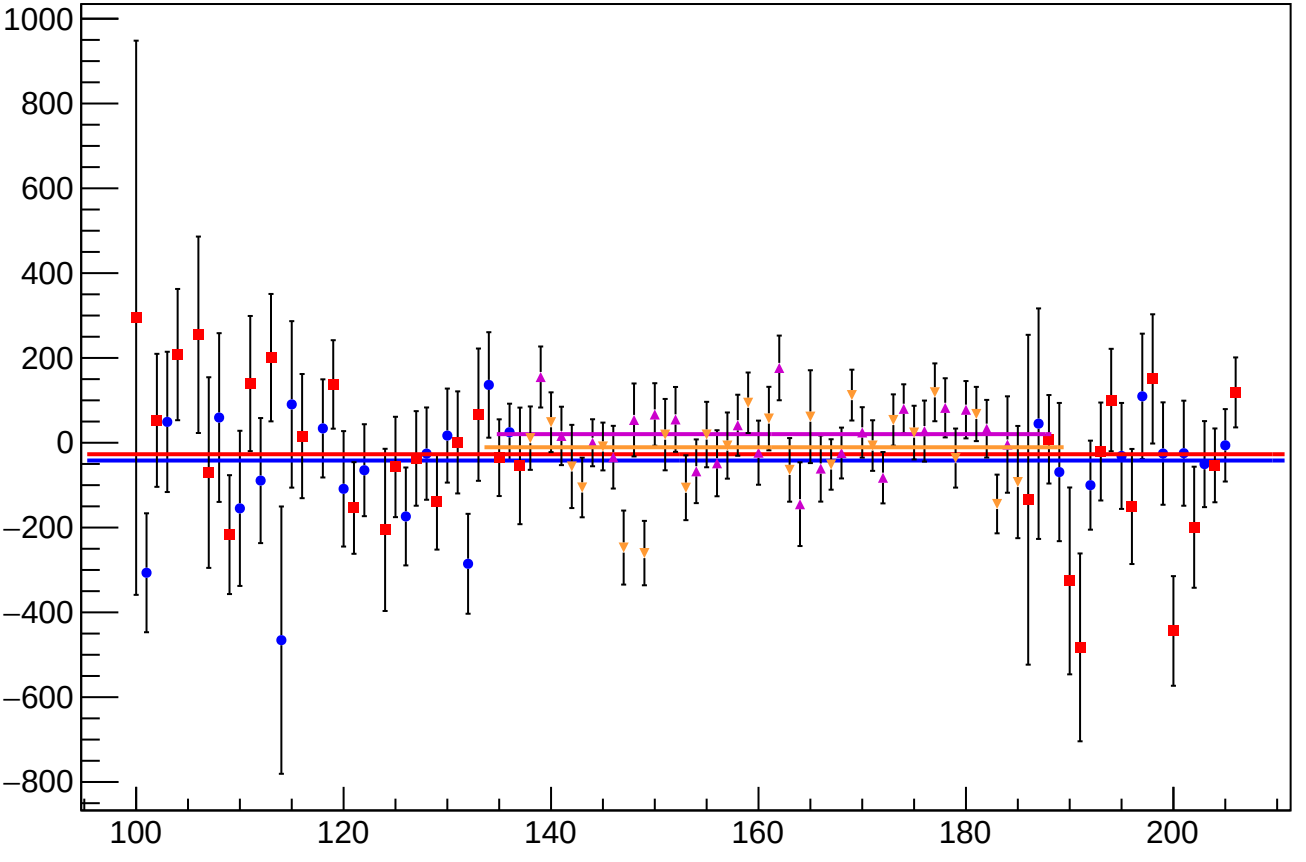
Left In: 331.058+/-0.056 χ^2/NDF:1325610.1/22

+ sign 380.149+/-0.051 χ^2/NDF: 10989906.6/49

All: 385.246+/-0.037 χ^2/NDF: 24270832.6/10

- sign 390.600+/-0.052 χ^2/NDF: 13260504.2/53

dit_asym_sam_15_26_dd_mean vs Slug



Right In: -41.917+/-24.572 χ^2/NDF: 18.2/24

Left Out: -10.614+/-14.311 χ^2/NDF:42.2/24

Right Out: -27.083+/-23.616 χ^2/NDF: 40.5/30

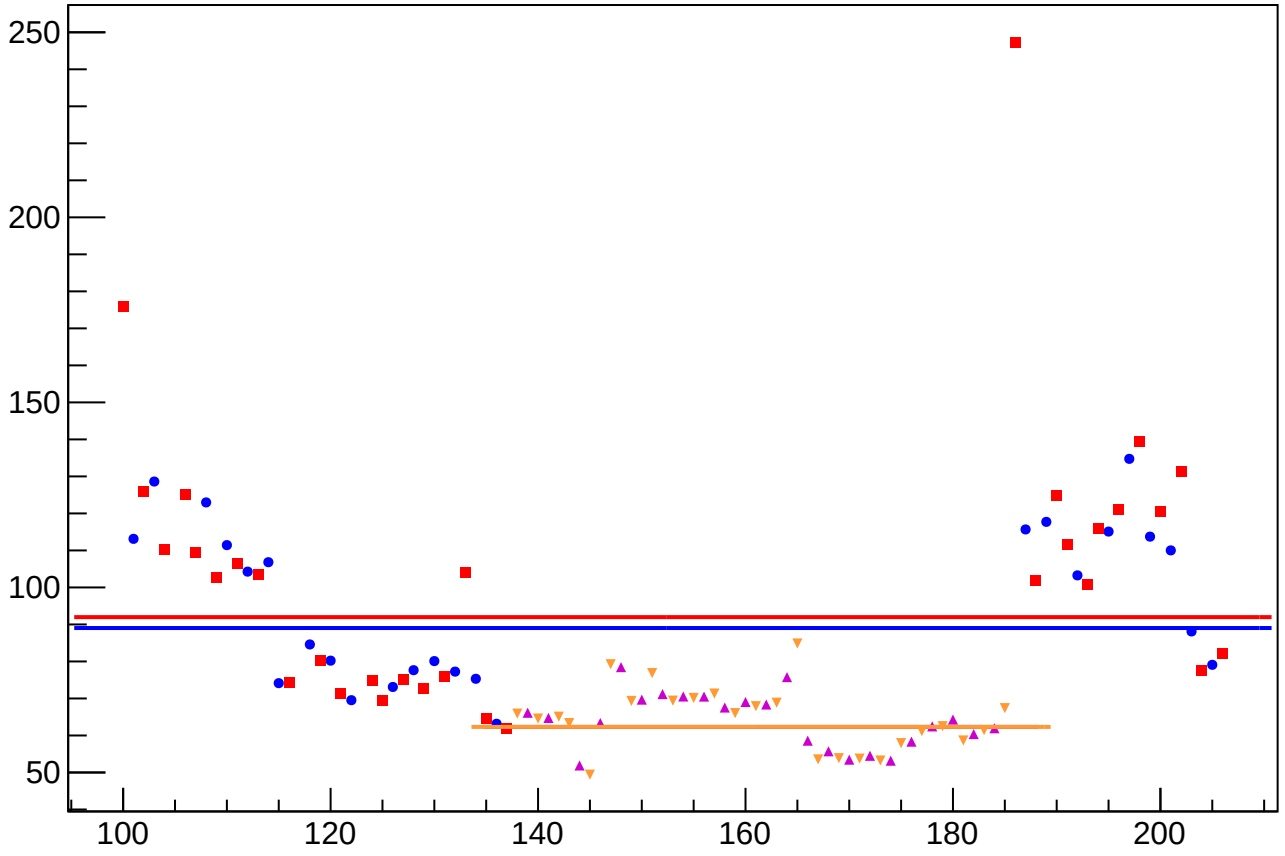
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -18.542+/-12.366 χ^2/NDF: 61.6/49

All: -5.916+/-8.795 χ^2/NDF: 128.8/103

- sign 7.007+/-12.510 χ^2/NDF: 65.1/53

dit_asym_sam_15_26_dd_rms vs Slug



Right In: 89.035+/-0.017 χ^2/NDF: 1354100.3/24

Left Out: 62.316+/-0.010 χ^2/NDF:636269.1/24

Right Out: 91.980+/-0.017 χ^2/NDF: 2000590.4/30

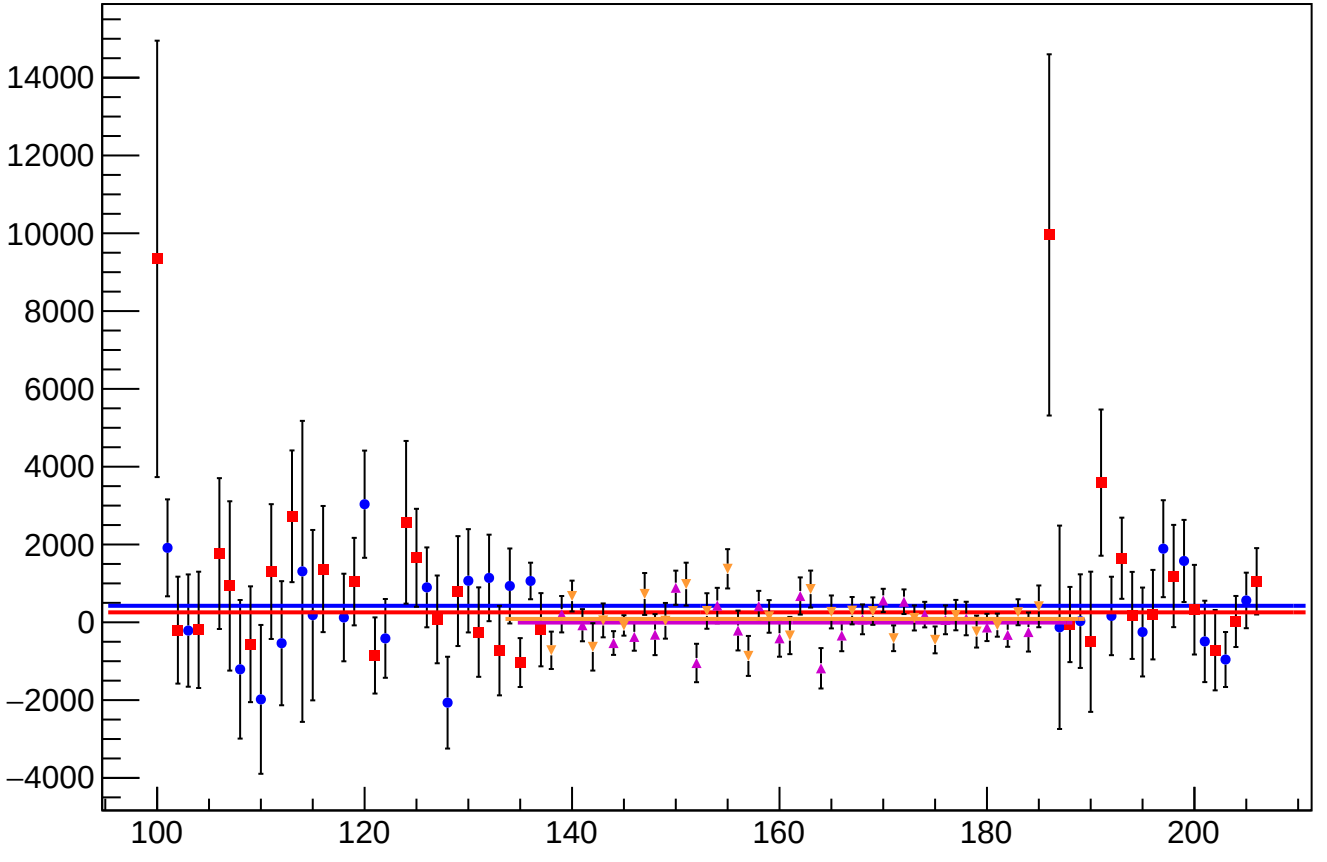
Left In: 62.310+/-0.010 χ^2/NDF:484549.5/22

+ sign 69.083+/-0.009 χ^2/NDF: 3756123.2/49

All: 69.851+/-0.006 χ^2/NDF: 8527778.8/103

- sign 70.637+/-0.009 χ^2/NDF: 4756065.5/53

asym_sam_15_26_dd_dit_correction_mean vs Slug



Right In: 424.429+/-211.635 χ^2/NDF: 24.0/24

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

Right Out: 255.847+/-211.749 χ^2/NDF: 28.6/30

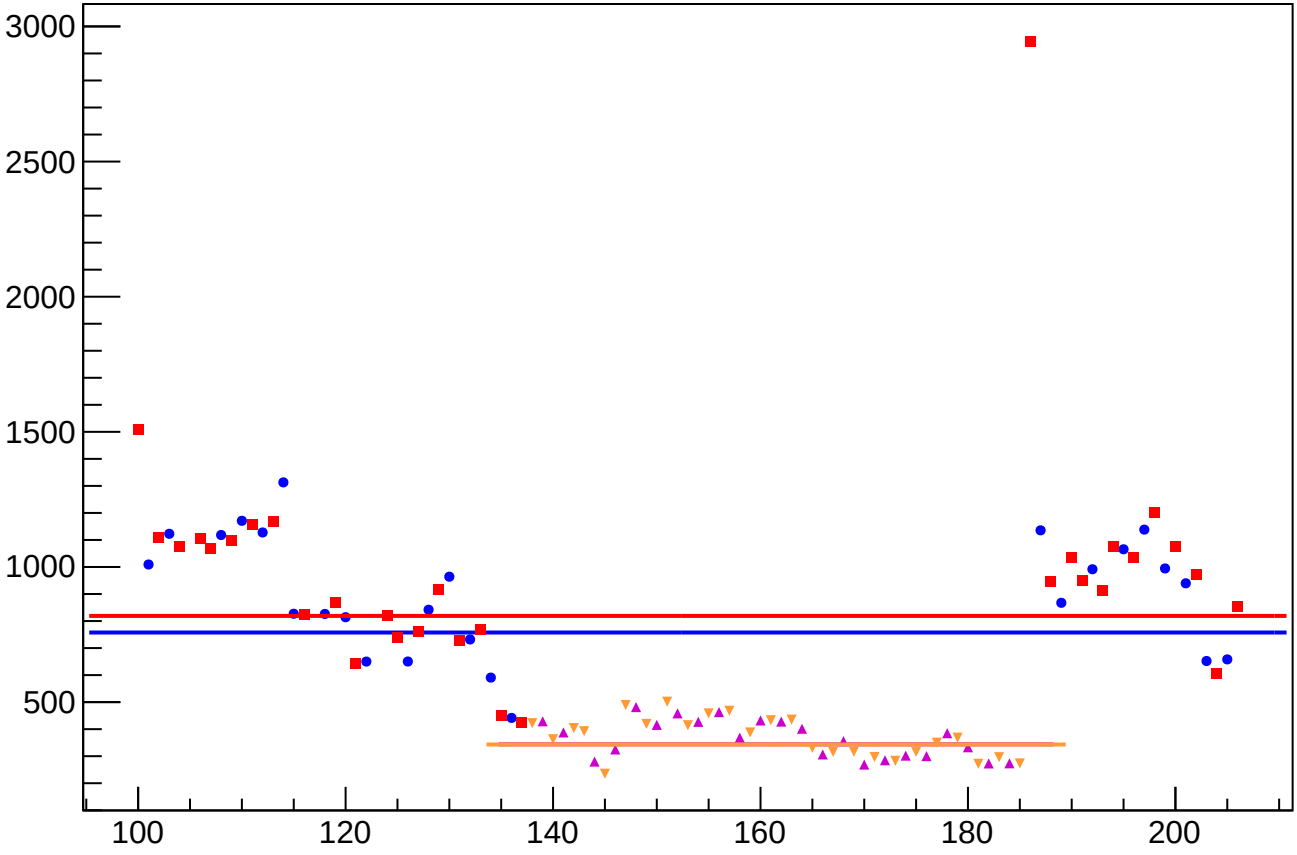
Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

+ sign 129.023+/-74.698 χ^2/NDF: 57.9/49

All: 79.652+/-53.464 χ^2/NDF: 121.1/103

- sign 27.795+/-76.556 χ^2/NDF: 62.3/53

asym_sam_15_26_dd_dit_correction_rms vs Slug



Right In: 757.592+/-0.150 χ^2/NDF: 2358305.6/24

Left Out: 343.225+/-0.056 χ^2/NDF:1595394.3/24

Right Out: 819.045+/-0.150 χ^2/NDF: 2844070.2/30

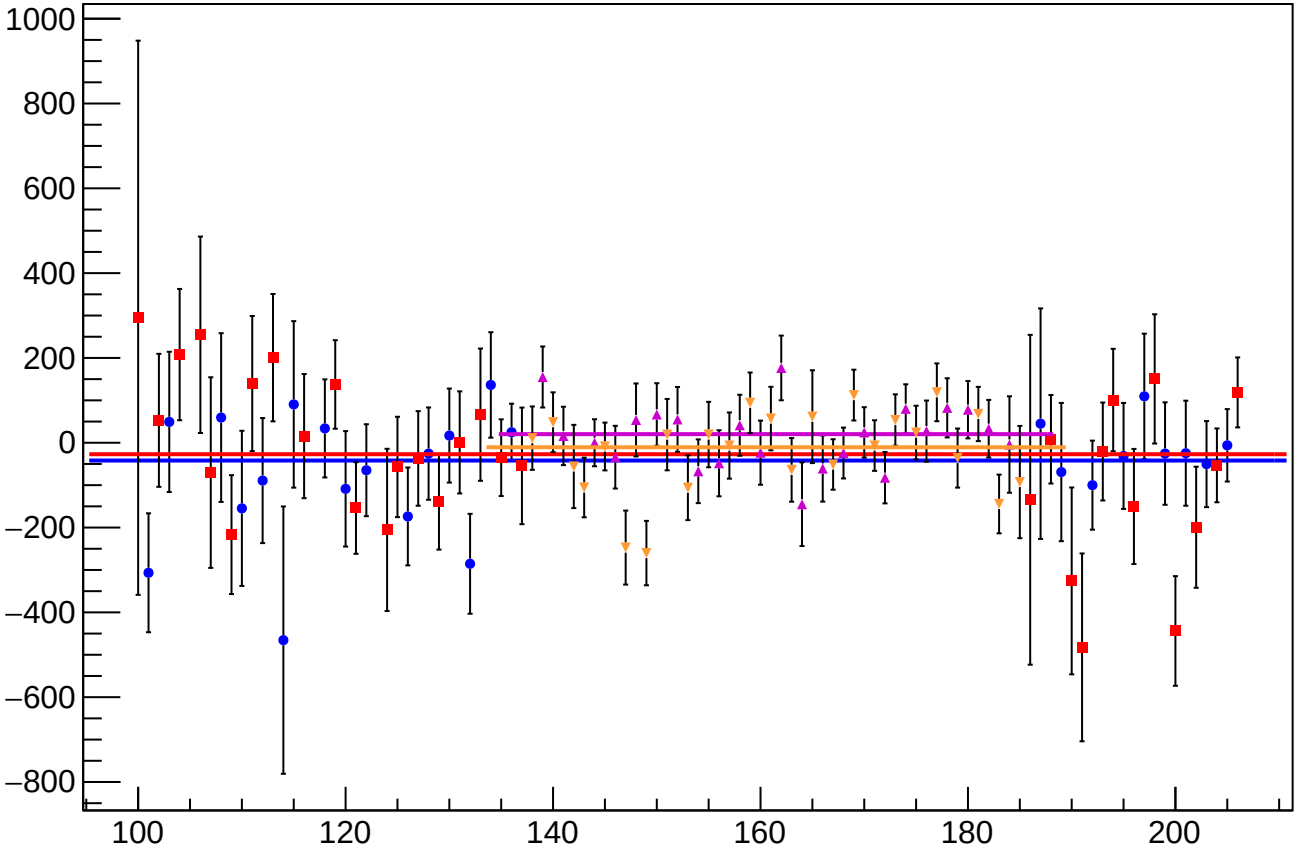
Left In: 343.717+/-0.058 χ^2/NDF:1258376.8/22

+ sign 394.846+/-0.053 χ^2/NDF: 10665552.7/49

All: 400.212+/-0.038 χ^2/NDF: 23549832.5/10

- sign 405.848+/-0.054 χ^2/NDF: 12863119.4/53

eigen_dit_asym_sam_15_26_dd_mean vs Slug



Right In: -41.918+/-24.572 χ^2/NDF: 18.2/24

Left Out: -10.613+/-14.311 χ^2/NDF:42.2/24

Right Out: -27.083+/-23.616 χ^2/NDF: 40.5/30

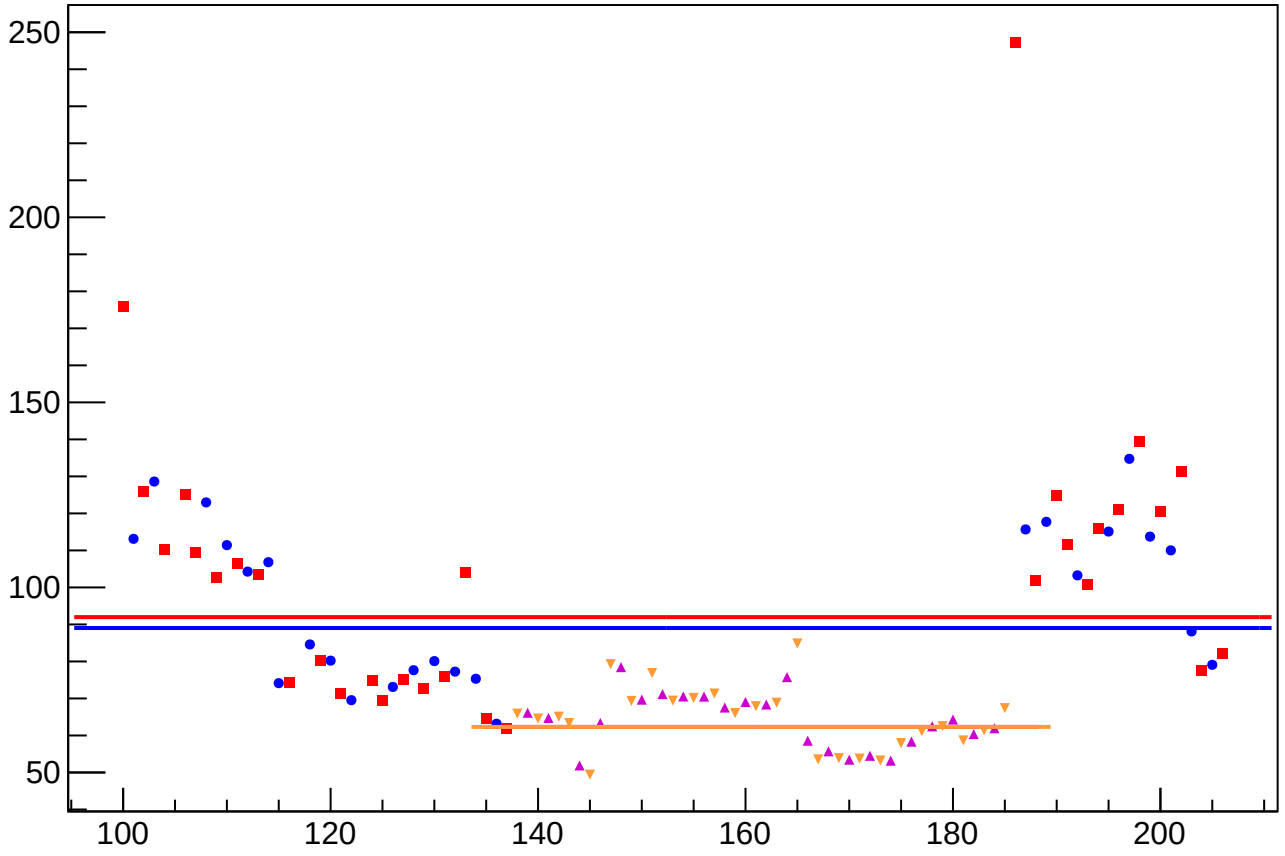
Left In: 20.306+/-14.750 χ^2/NDF:21.7/22

+ sign -18.542+/-12.366 χ^2/NDF: 61.6/49

All: -5.915+/-8.795 χ^2/NDF: 128.8/103

- sign 7.007+/-12.510 χ^2/NDF: 65.1/53

eigen_dit_asym_sam_15_26_dd_rms vs Slug



Right In: 89.034+/-0.017 χ^2/NDF: 1354118.5/24

Left Out: 62.316+/-0.010 χ^2/NDF:636268.2/24

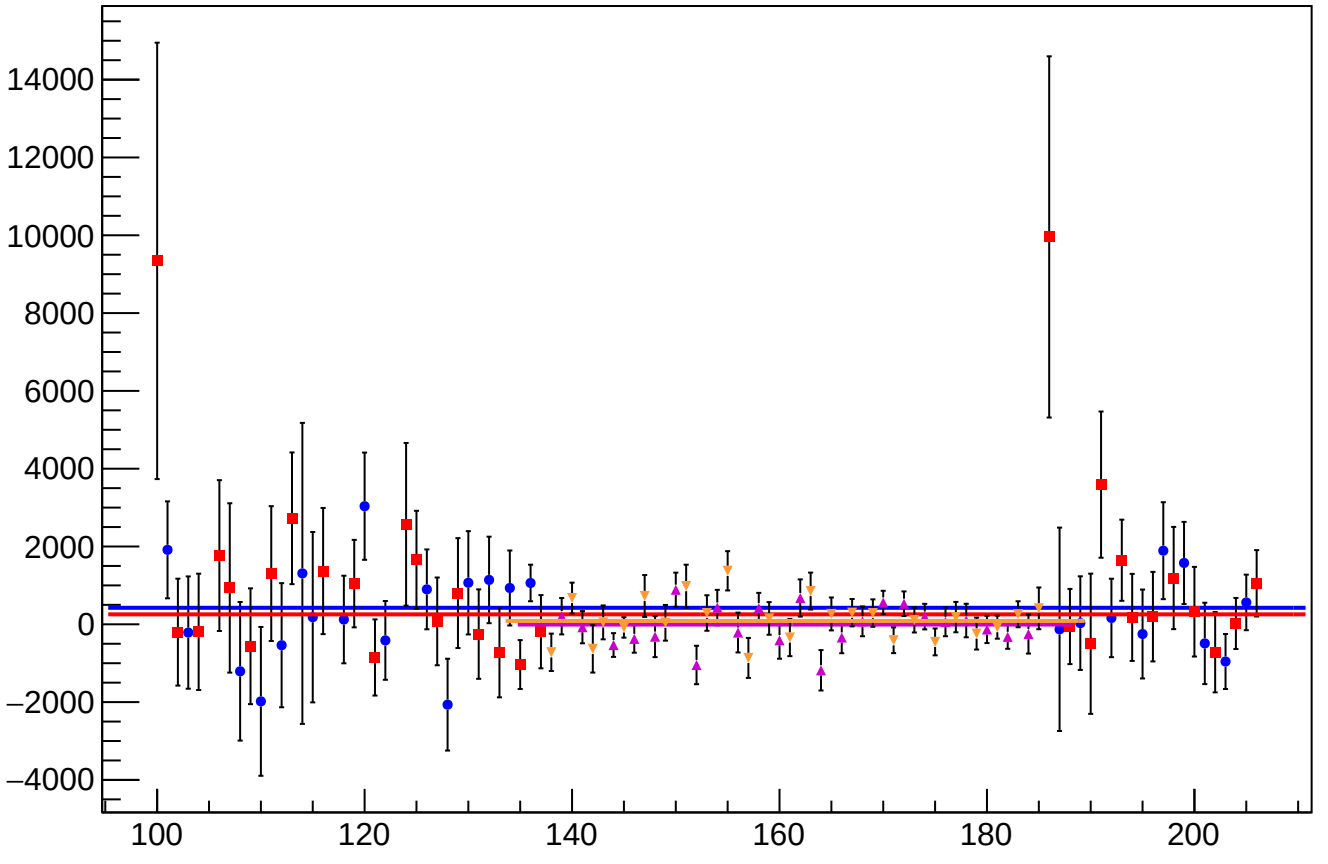
Right Out: 91.980+/-0.017 χ^2/NDF: 2000588.3/30

Left In: 62.311+/-0.010 χ^2/NDF:484544.3/22

+ sign 69.083+/-0.009 χ^2/NDF: 3756096.7/49

All: 69.851+/-0.006 χ^2/NDF: 8527696.1/103

- sign 70.637+/-0.009 χ^2/NDF: 4756006.5/53



Right In: 424.429+/-211.635 χ^2/NDF: 24.0/24

Left Out: 86.985+/-79.837 χ^2/NDF:31.7/24

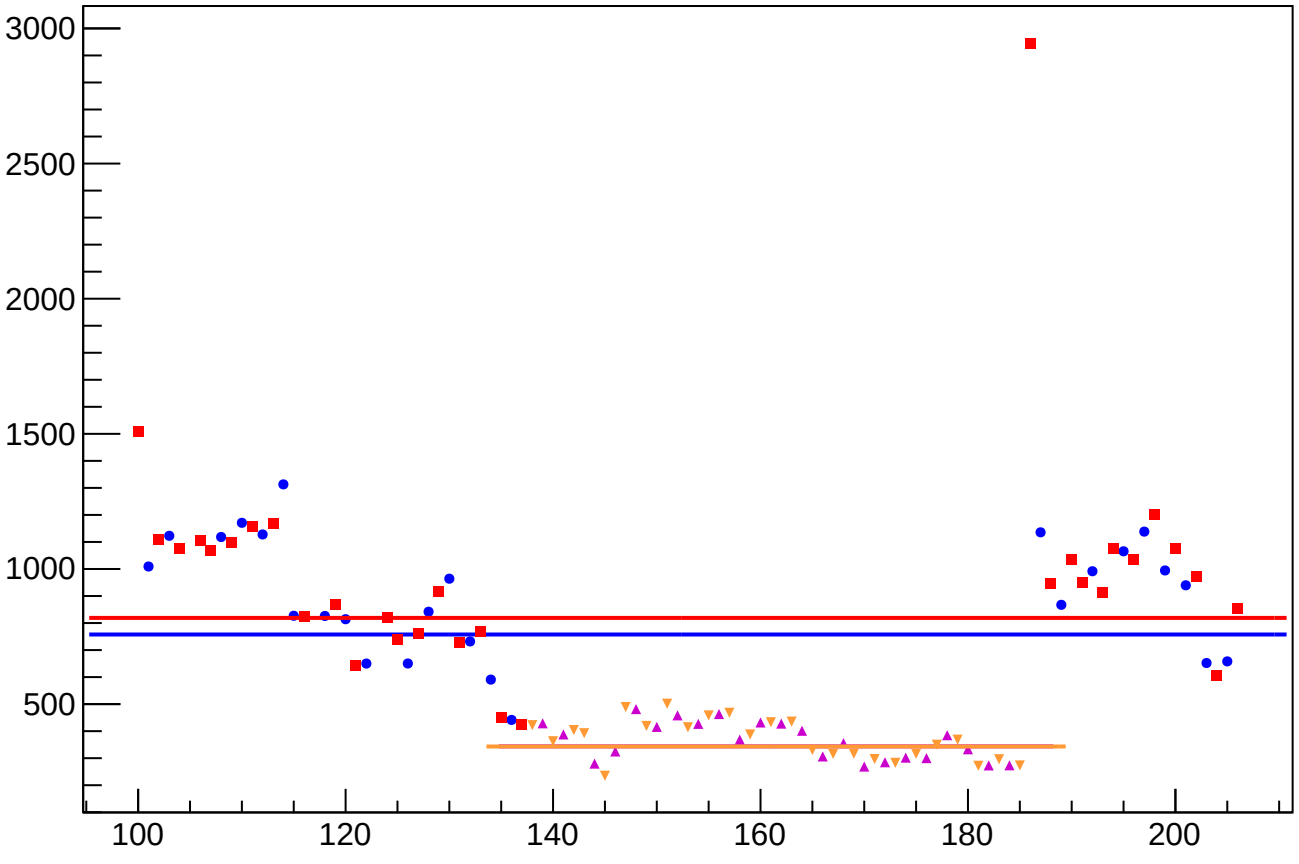
Right Out: 255.848+/-211.749 χ^2/NDF: 28.6/30

Left In: -6.497+/-82.111 χ^2/NDF:32.4/22

\+ sign 129.023+/-74.698 χ^2/NDF: 57.9/49

All: 79.652+/-53.464 χ^2/NDF: 121.1/103

\- sign 27.795+/-76.556 χ^2/NDF: 62.3/53



Right In: 757.593+/-0.150 χ^2/NDF: 2358291.7/24

Left Out: 343.225+/-0.056 χ^2/NDF:1595415.4/24

Right Out: 819.045+/-0.150 χ^2/NDF: 2844059.7/30

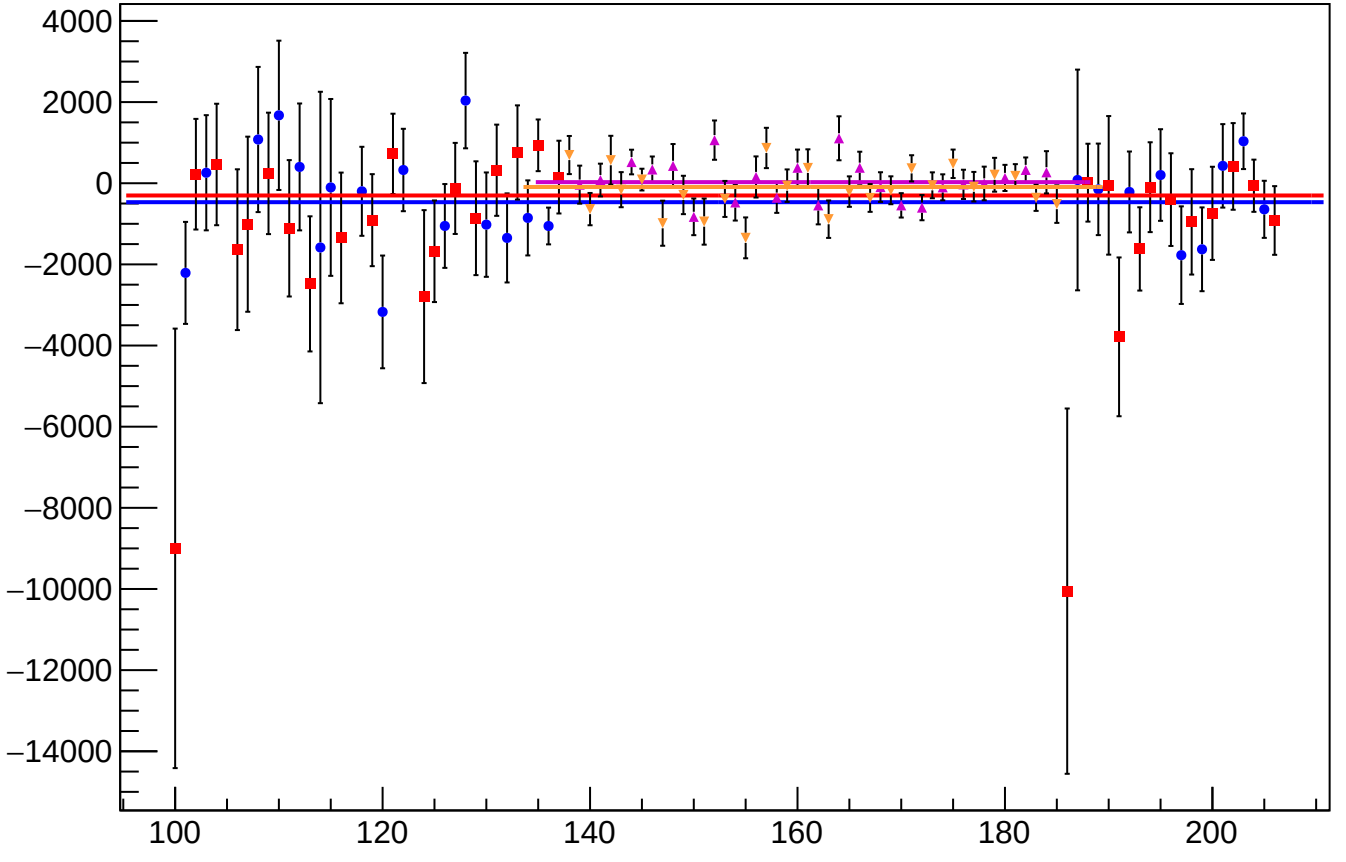
Left In: 343.717+/-0.058 χ^2/NDF:1258392.0/22

+ sign 394.846+/-0.053 χ^2/NDF: 10665562.1/49

All: 400.212+/-0.038 χ^2/NDF: 23549842.3/10

- sign 405.849+/-0.054 χ^2/NDF: 12863119.3/53

asym_sam_15_26_dd_mean vs Slug



Right In: -466.997+/-207.111 χ^2/NDF: 25.3/24

Left Out: -92.671+/-78.184 χ^2/NDF:34.2/24

Right Out: -301.830+/-210.594 χ^2/NDF: 26.5/30

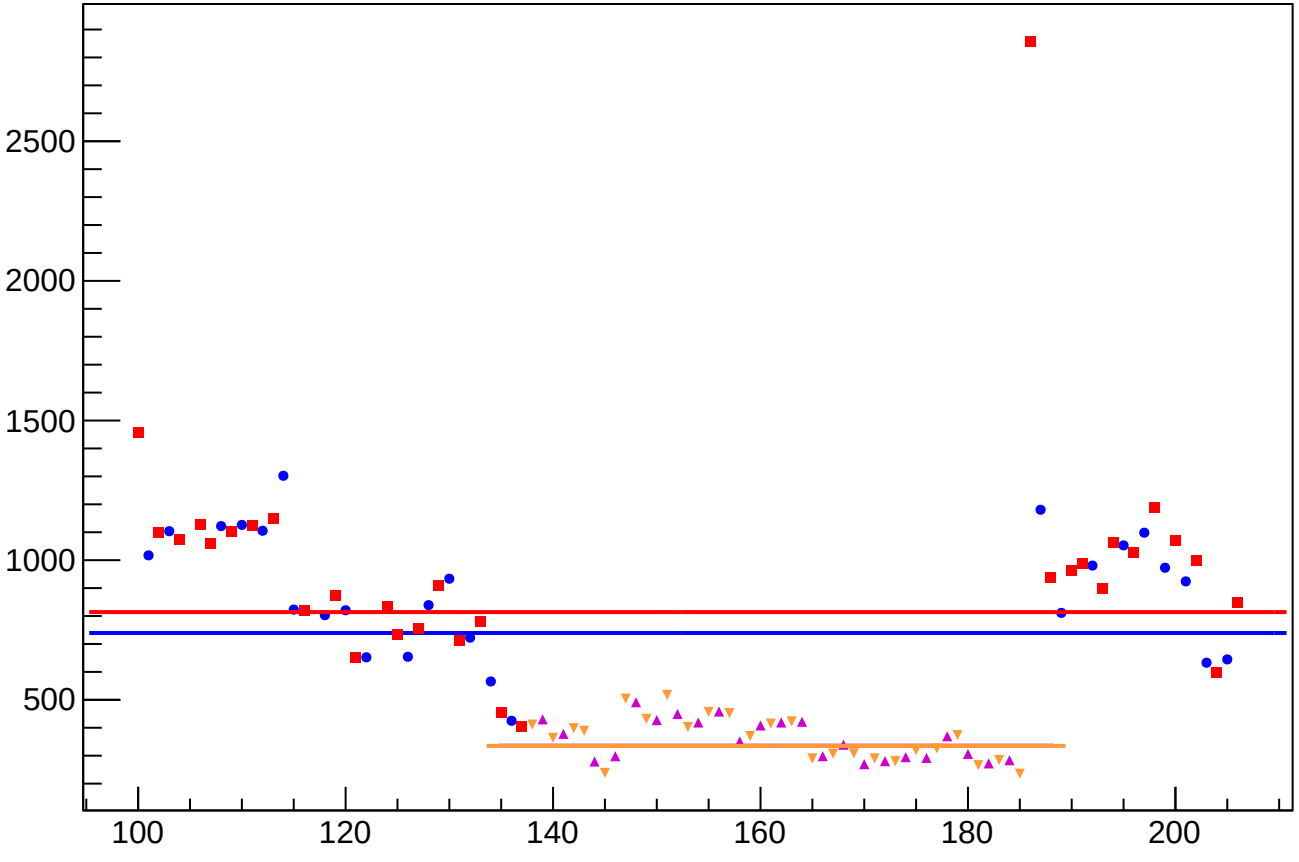
Left In: 27.173+/-80.207 χ^2/NDF:30.9/22

+ sign -139.361+/-73.146 χ^2/NDF: 62.3/49

All: -78.458+/-52.350 χ^2/NDF: 123.3/103

- sign -14.505+/-74.955 χ^2/NDF: 59.6/53

asym_sam_15_26_dd_rms vs Slug



Right In: 739.276+/-0.146 χ^2/NDF: 2462437.7/24

Left Out: 335.150+/-0.055 χ^2/NDF:1706014.2/24

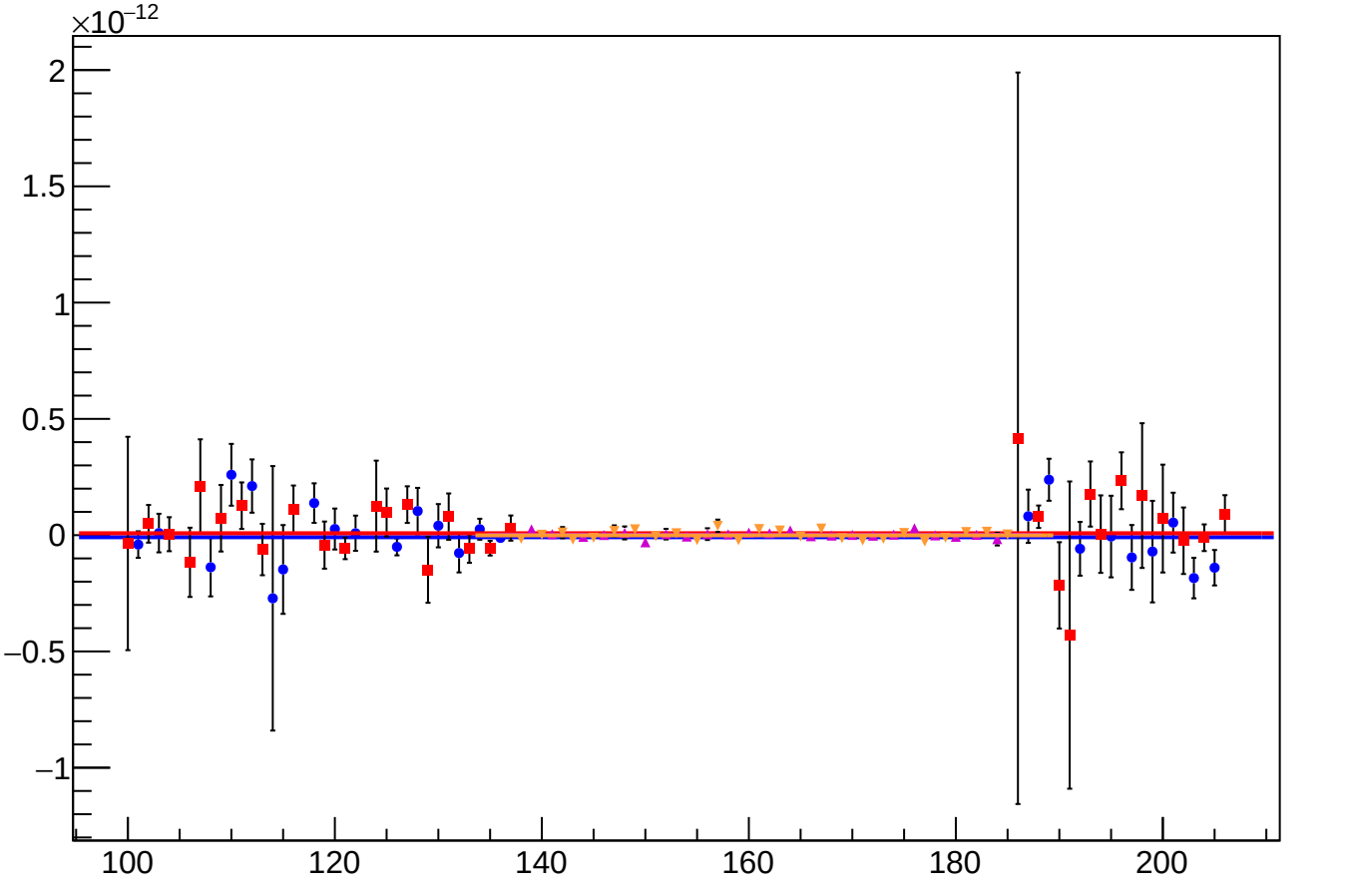
Right Out: 814.106+/-0.149 χ^2/NDF: 2850983.8/30

Left In: 335.787+/-0.057 χ^2/NDF:1291376.5/22

+ sign 385.556+/-0.052 χ^2/NDF: 10833403.8/49

All: 390.836+/-0.037 χ^2/NDF: 24007569.5/10

- sign 396.381+/-0.053 χ^2/NDF: 13152801.5/53



Right In: -0.000+/-0.000 χ^2/NDF: 33.3/24

Left Out: -0.000+/-0.000 χ^2/NDF:33.3/24

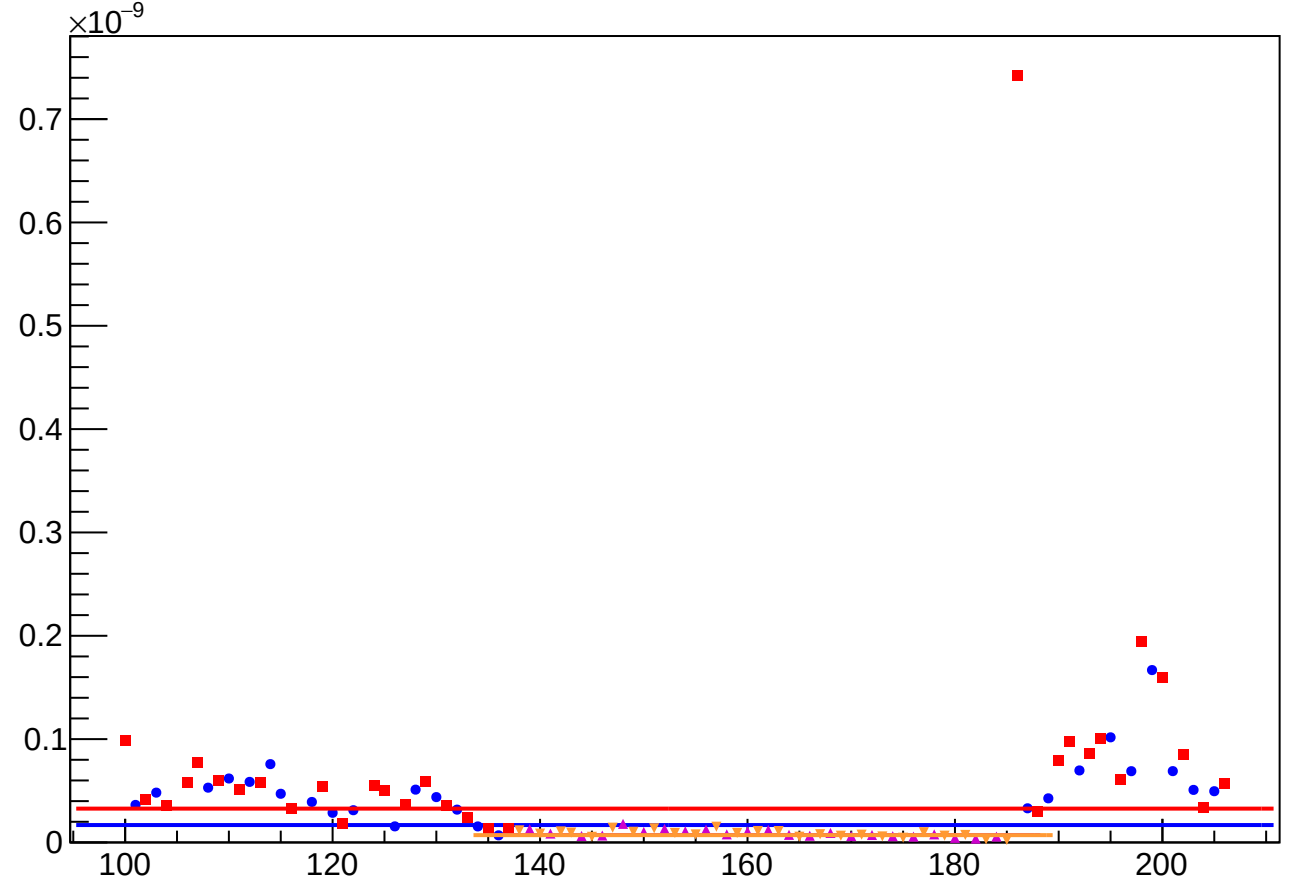
Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/30

Left In: 0.000+/-0.000 χ^2/NDF:14.8/22

+ sign -0.000+/-0.000 χ^2/NDF: 67.1/49

All: 0.000+/-0.000 χ^2/NDF: 111.1/103

- sign 0.000+/-0.000 χ^2/NDF: 43.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 6560011.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:2000233.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 4795914.9/30

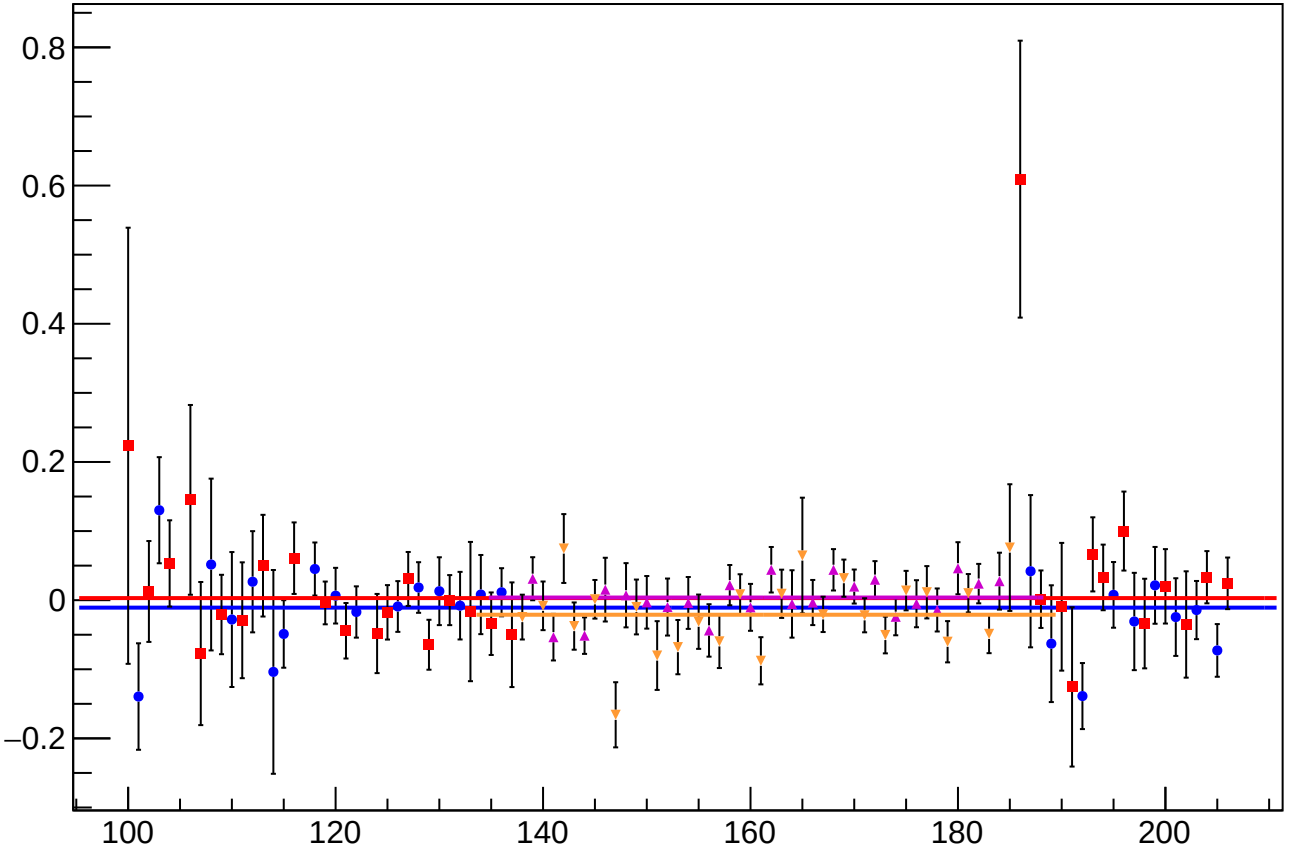
Left In: 0.000+/-0.000 χ^2/NDF:1604062.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 10306139.6/49

All: 0.000+/-0.000 χ^2/NDF: 22343132.5/103

- sign 0.000+/-0.000 χ^2/NDF: 12018853.7/53

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

Right Out: 0.003+/-0.009 χ^2/NDF: 29.2/30

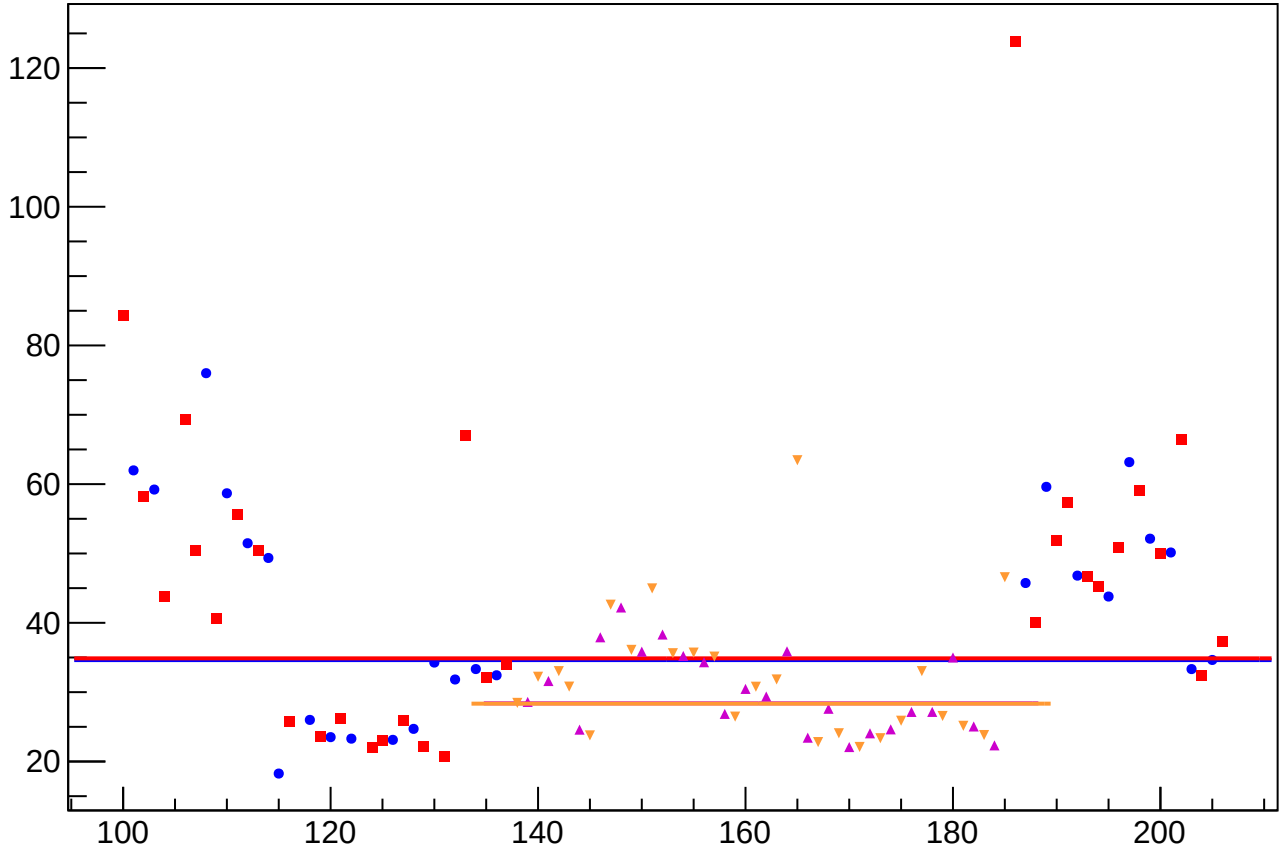
Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.006 χ^2/NDF: 60.4/49

All: -0.007+/-0.004 χ^2/NDF: 115.8/103

- sign 0.004+/-0.006 χ^2/NDF: 47.9/53

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 34.625+/-0.007 χ^2/NDF: 3029601.7/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

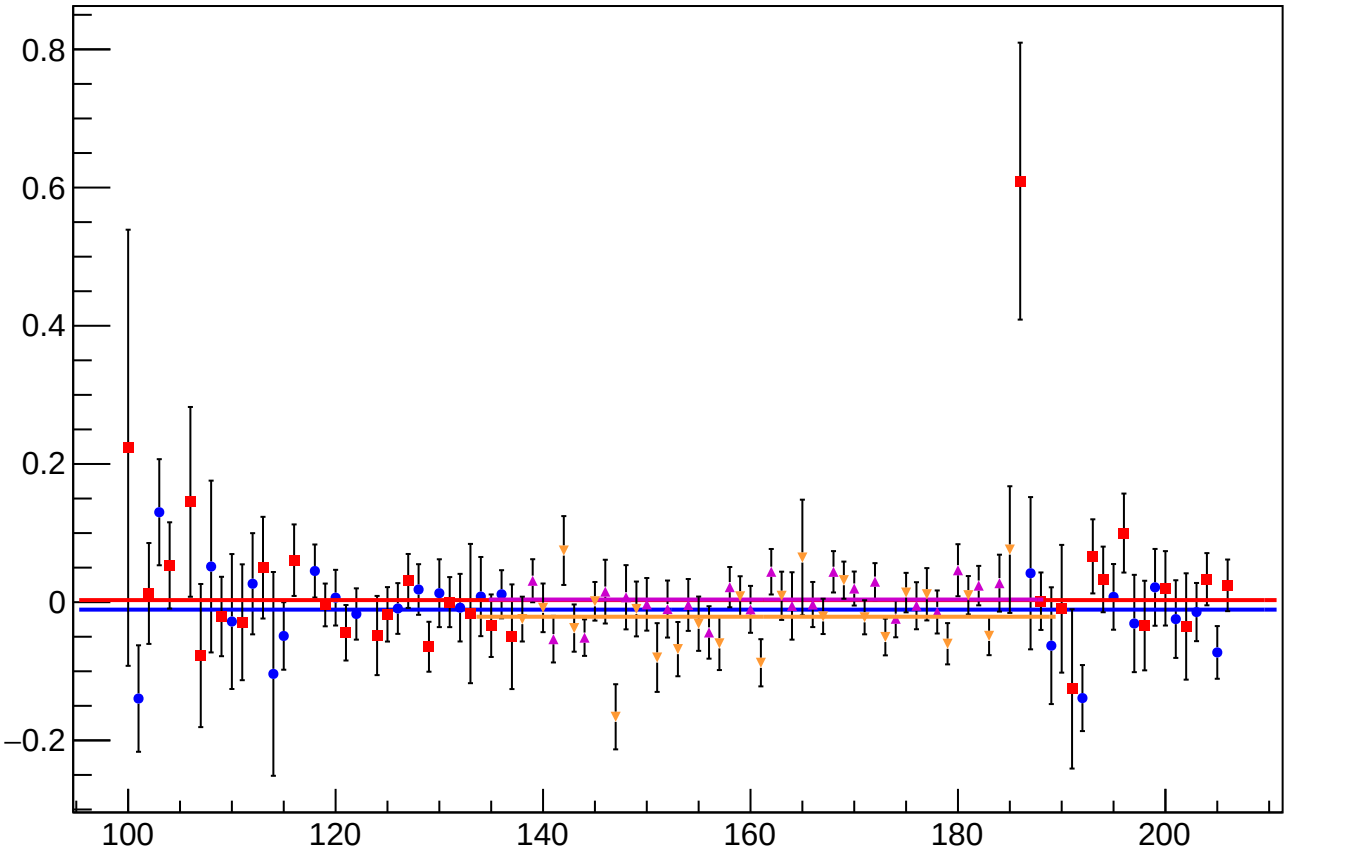
Right Out: 34.875+/-0.007 χ^2/NDF: 3977827.9/30

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.253+/-0.004 χ^2/NDF: 5303055.2/49

All: 30.443+/-0.003 χ^2/NDF: 11002256.6/103

- sign 30.631+/-0.004 χ^2/NDF: 5694571.2/53



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

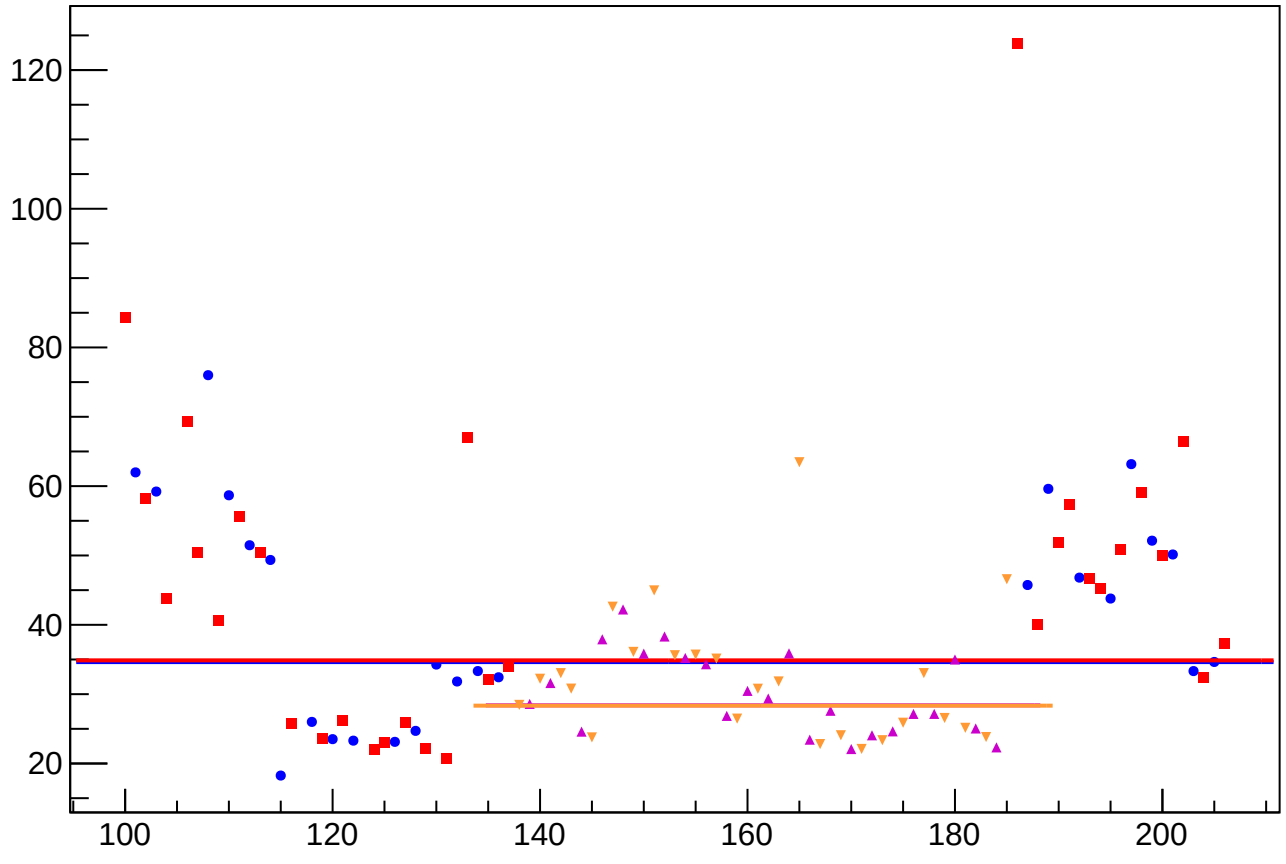
Right Out: 0.003+/-0.009 χ^2/NDF: 29.2/30

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.006 χ^2/NDF: 60.4/49

All: -0.007+/-0.004 χ^2/NDF: 115.8/103

- sign 0.004+/-0.006 χ^2/NDF: 47.9/53



Right In: 34.625+/-0.007 χ^2/NDF: 3029601.7/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733592.1/24

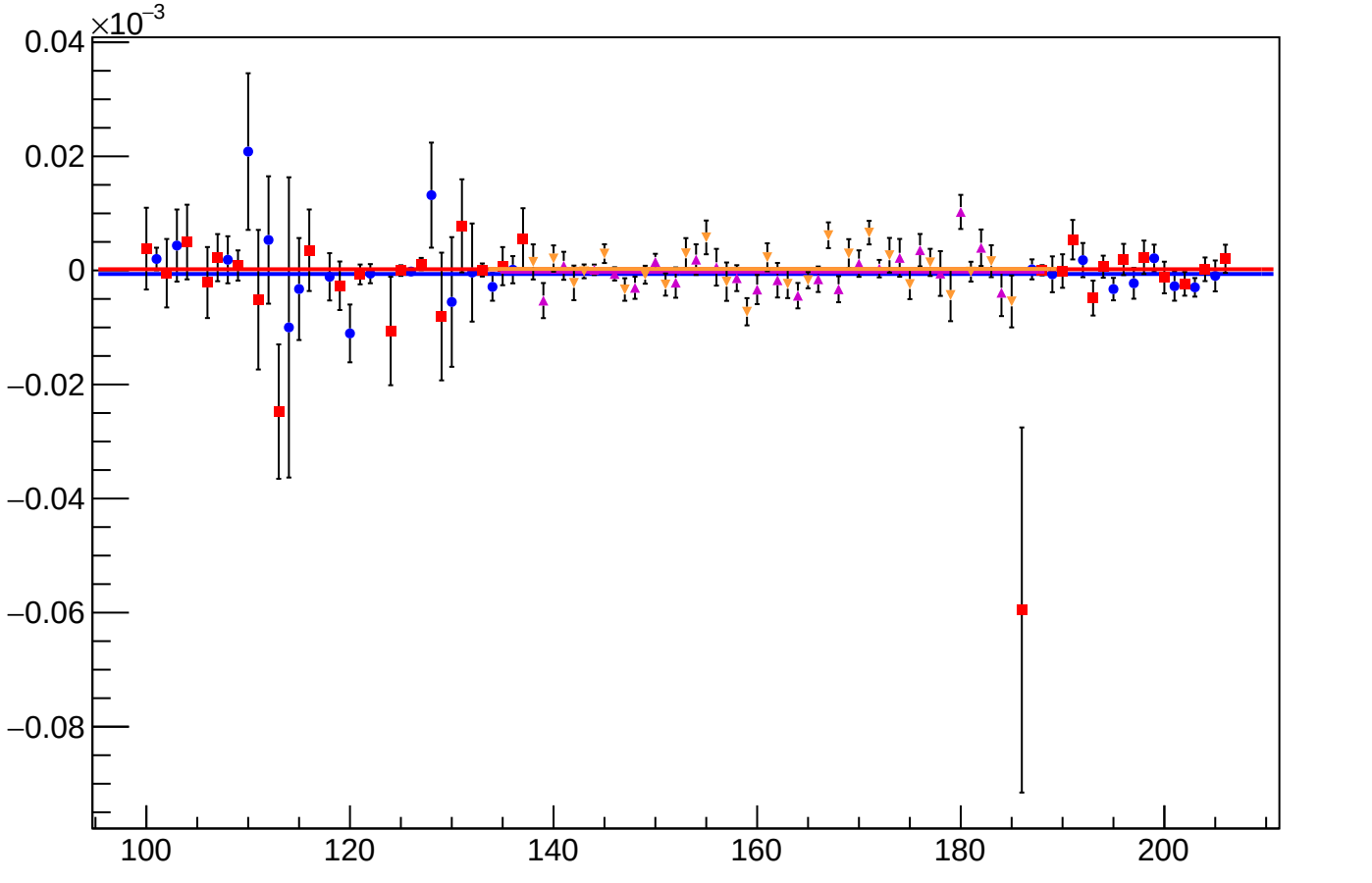
Right Out: 34.875+/-0.007 χ^2/NDF: 3977827.9/30

Left In: 28.389+/-0.005 χ^2/NDF:1098849.1/22

+ sign 30.253+/-0.004 χ^2/NDF: 5303055.2/49

All: 30.443+/-0.003 χ^2/NDF: 11002256.6/103

- sign 30.631+/-0.004 χ^2/NDF: 5694571.2/53



Right In: -0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:50.8/24

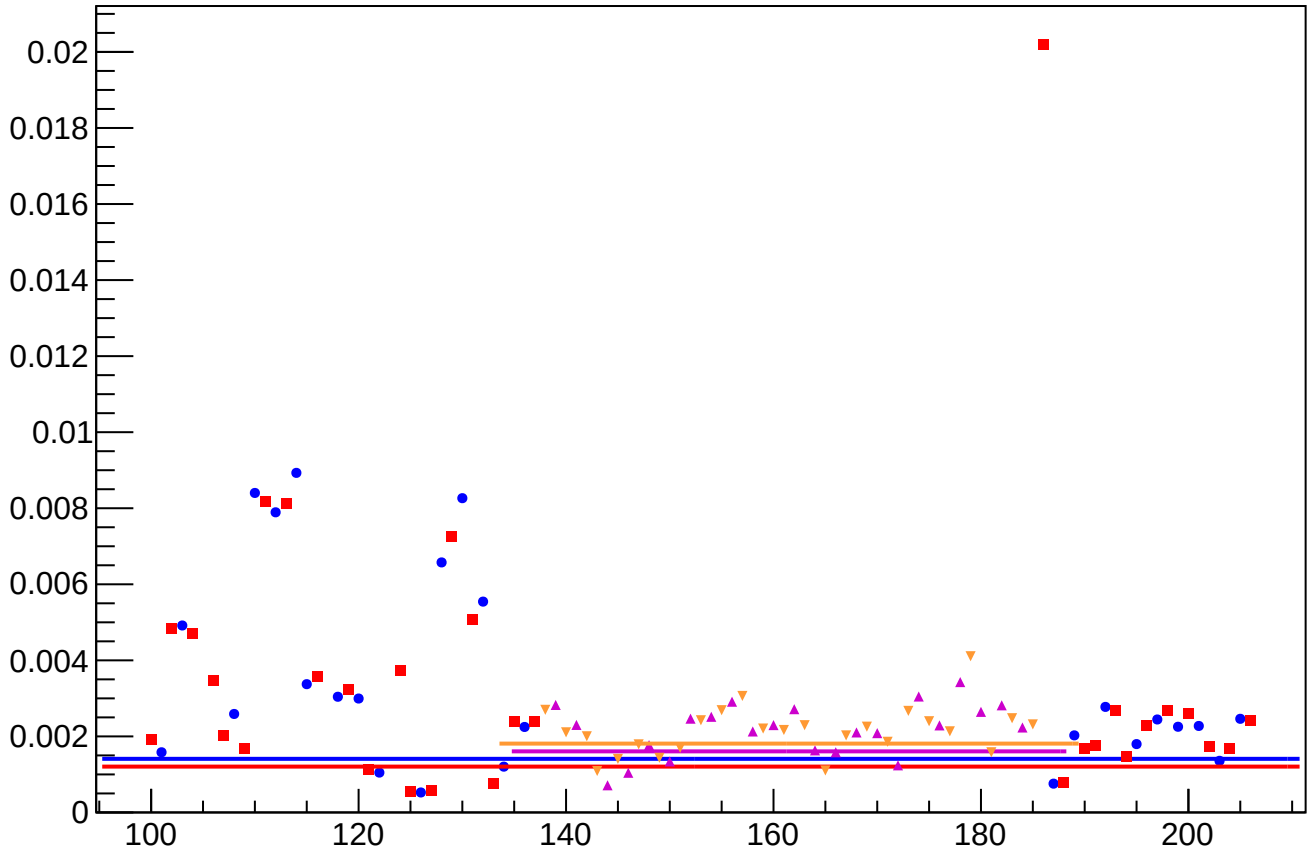
Right Out: 0.000+/-0.000 χ^2/NDF: 23.3/30

Left In: -0.000+/-0.000 χ^2/NDF:33.2/22

+ sign -0.000+/-0.000 χ^2/NDF: 73.4/49

All: -0.000+/-0.000 χ^2/NDF: 130.6/103

- sign 0.000+/-0.000 χ^2/NDF: 57.1/53



Right In: 0.001+/-0.000 χ^2/NDF: 9122543.2/24

Left Out: 0.002+/-0.000 χ^2/NDF:3433566.6/24

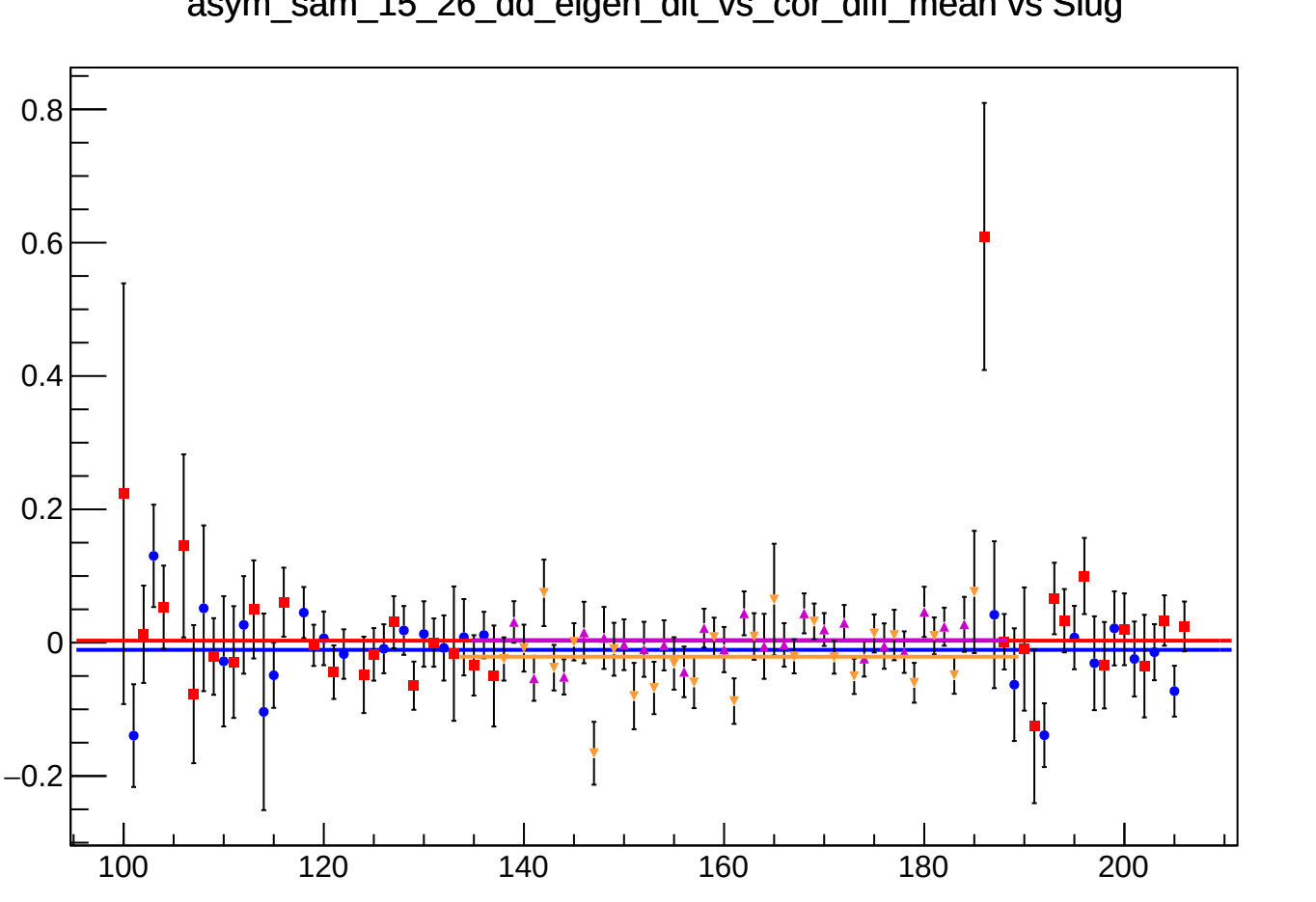
Right Out: 0.001+/-0.000 χ^2/NDF: 11040166.1/30

Left In: 0.002+/-0.000 χ^2/NDF:6034225.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 13328619.8/49

All: 0.001+/-0.000 χ^2/NDF: 31975304.0/103

- sign 0.001+/-0.000 χ^2/NDF: 18038383.4/53



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

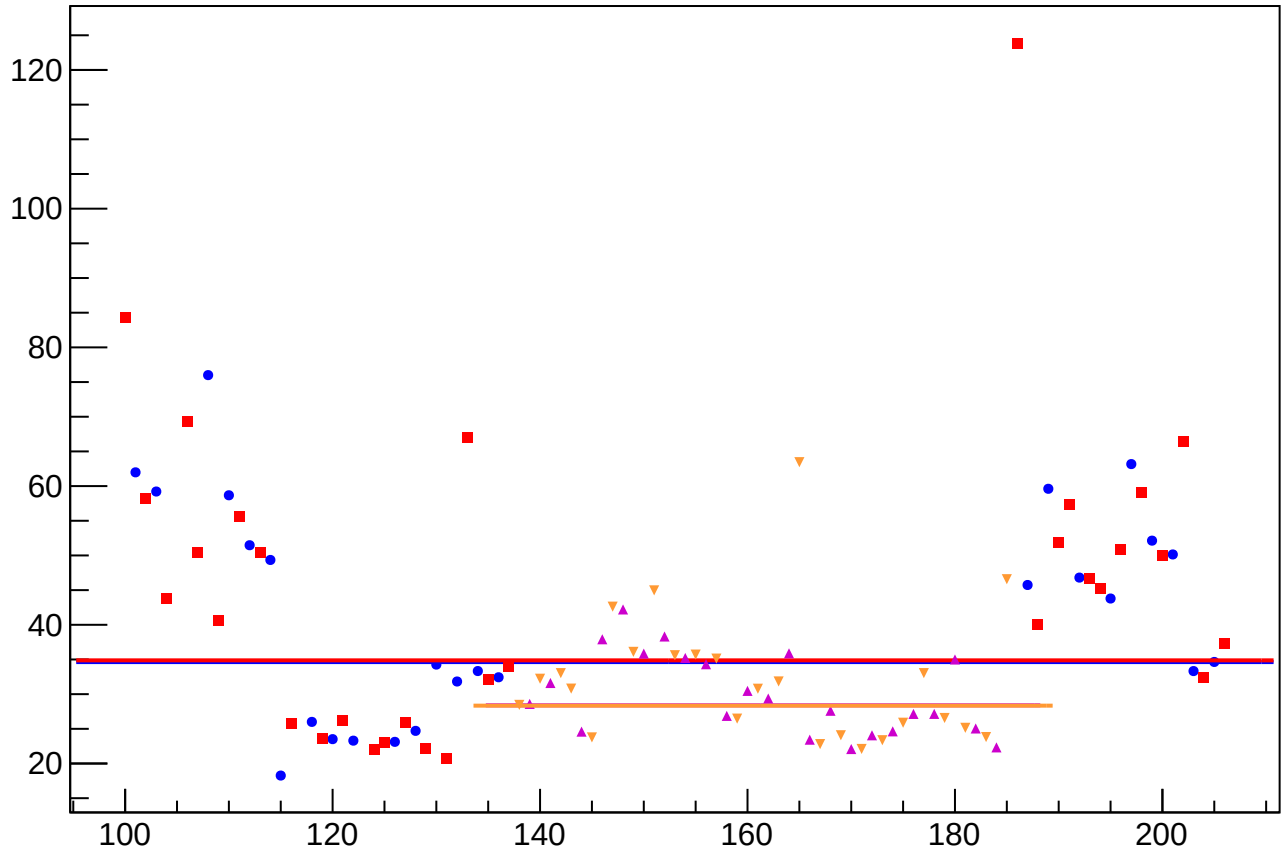
Right Out: 0.003+/-0.009 χ^2/NDF: 29.2/30

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.006 χ^2/NDF: 60.4/49

All: -0.007+/-0.004 χ^2/NDF: 115.8/103

- sign 0.004+/-0.006 χ^2/NDF: 47.9/53



Right In: 34.625+/-0.007 χ^2/NDF: 3029472.5/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

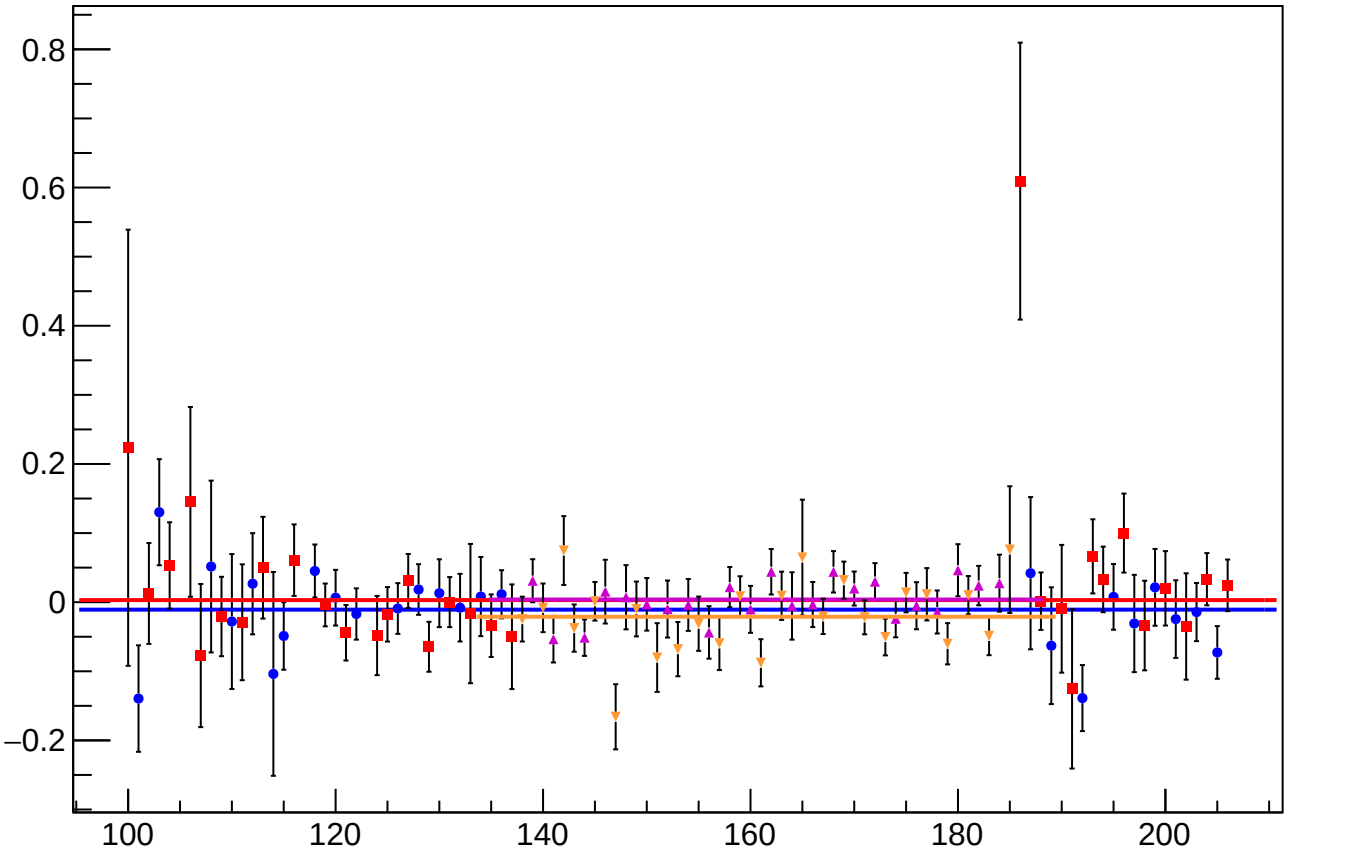
Right Out: 34.874+/-0.007 χ^2/NDF: 3977936.2/30

Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.253+/-0.004 χ^2/NDF: 5302909.3/49

All: 30.443+/-0.003 χ^2/NDF: 11002093.0/103

- sign 30.631+/-0.004 χ^2/NDF: 5694553.5/53



Right In: -0.011+/-0.010 χ^2/NDF: 22.5/24

Left Out: -0.021+/-0.007 χ^2/NDF:37.2/24

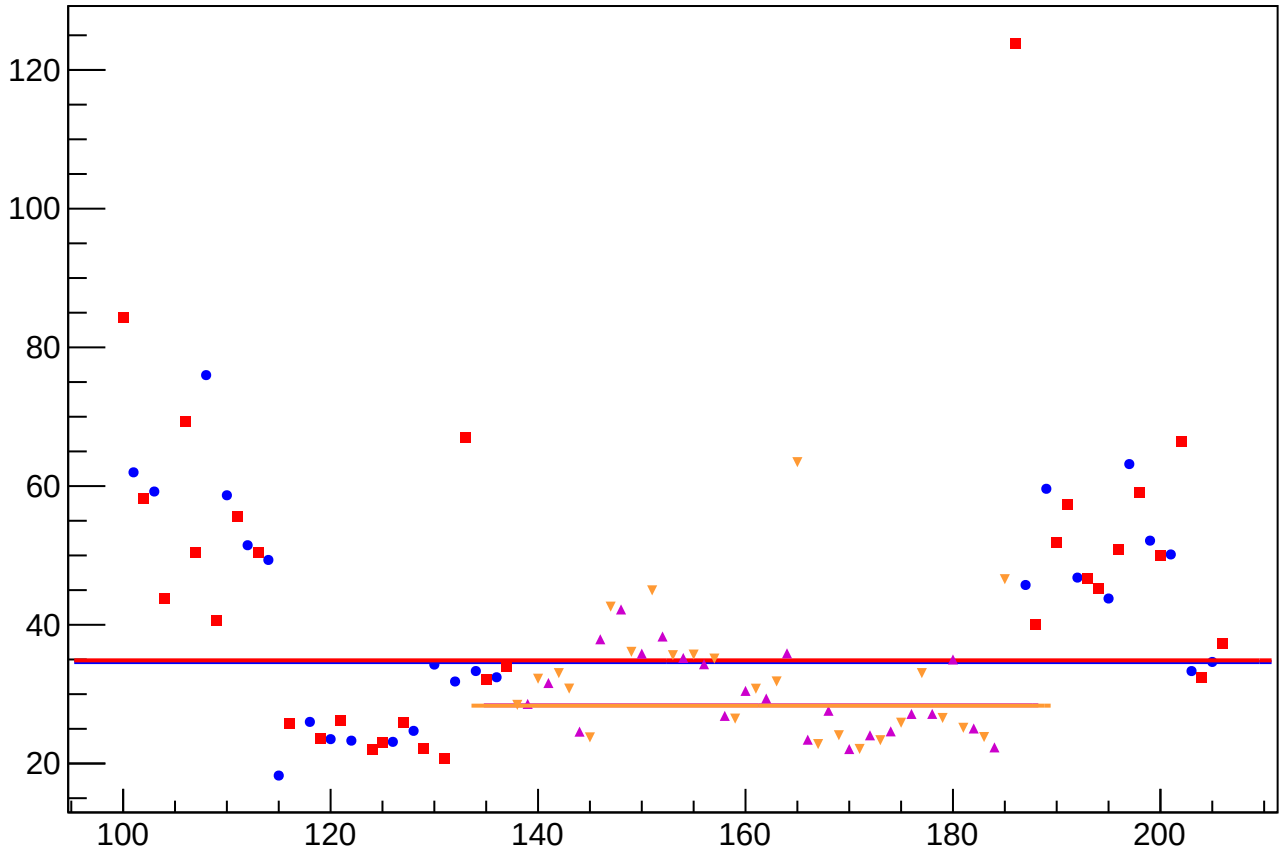
Right Out: 0.003+/-0.009 χ^2/NDF: 29.2/30

Left In: 0.004+/-0.007 χ^2/NDF:18.7/22

+ sign -0.018+/-0.006 χ^2/NDF: 60.4/49

All: -0.007+/-0.004 χ^2/NDF: 115.8/103

- sign 0.004+/-0.006 χ^2/NDF: 47.9/53



Right In: 34.625+/-0.007 χ^2/NDF: 3029472.5/24

Left Out: 28.342+/-0.005 χ^2/NDF:1733585.3/24

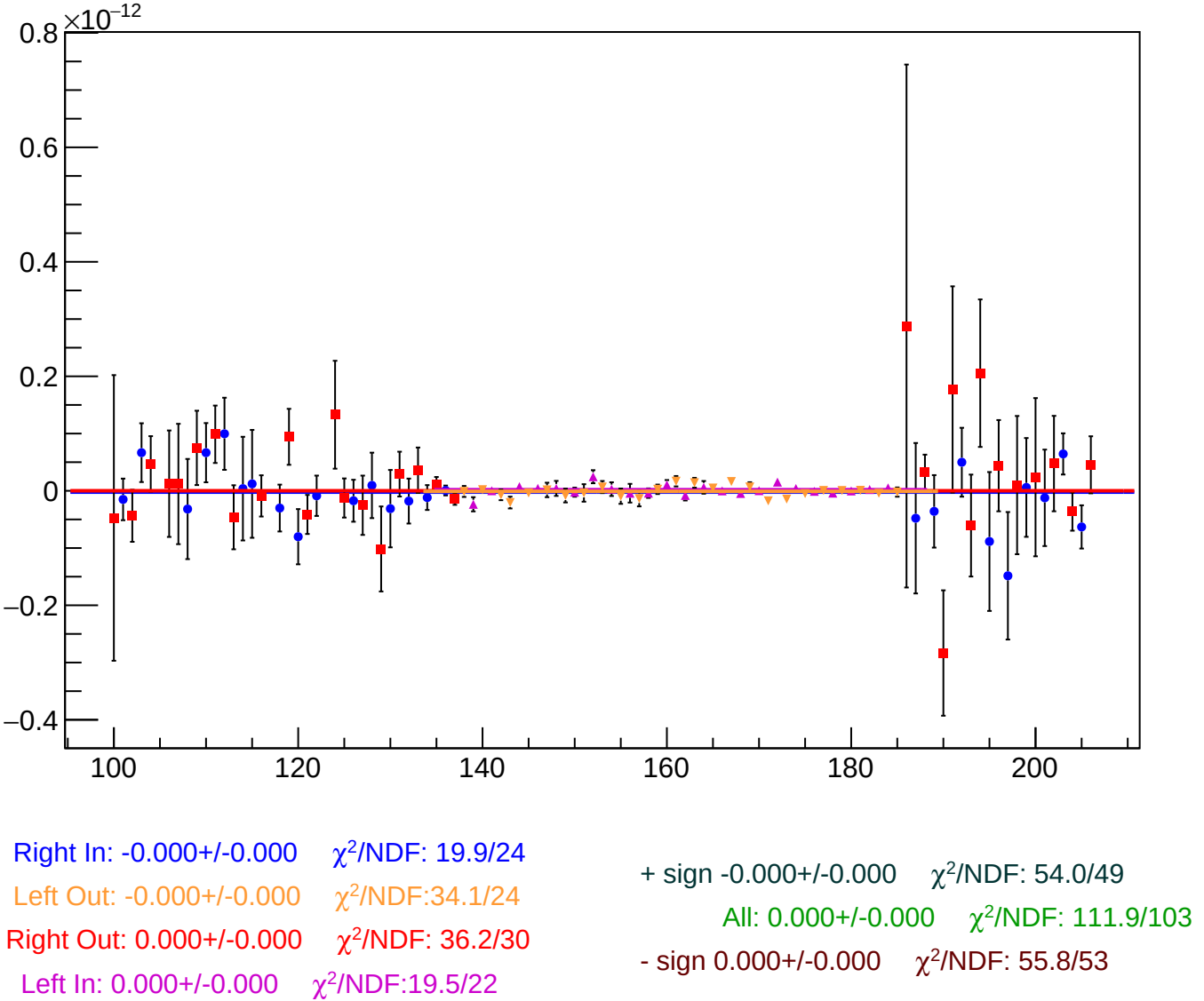
Right Out: 34.874+/-0.007 χ^2/NDF: 3977936.2/30

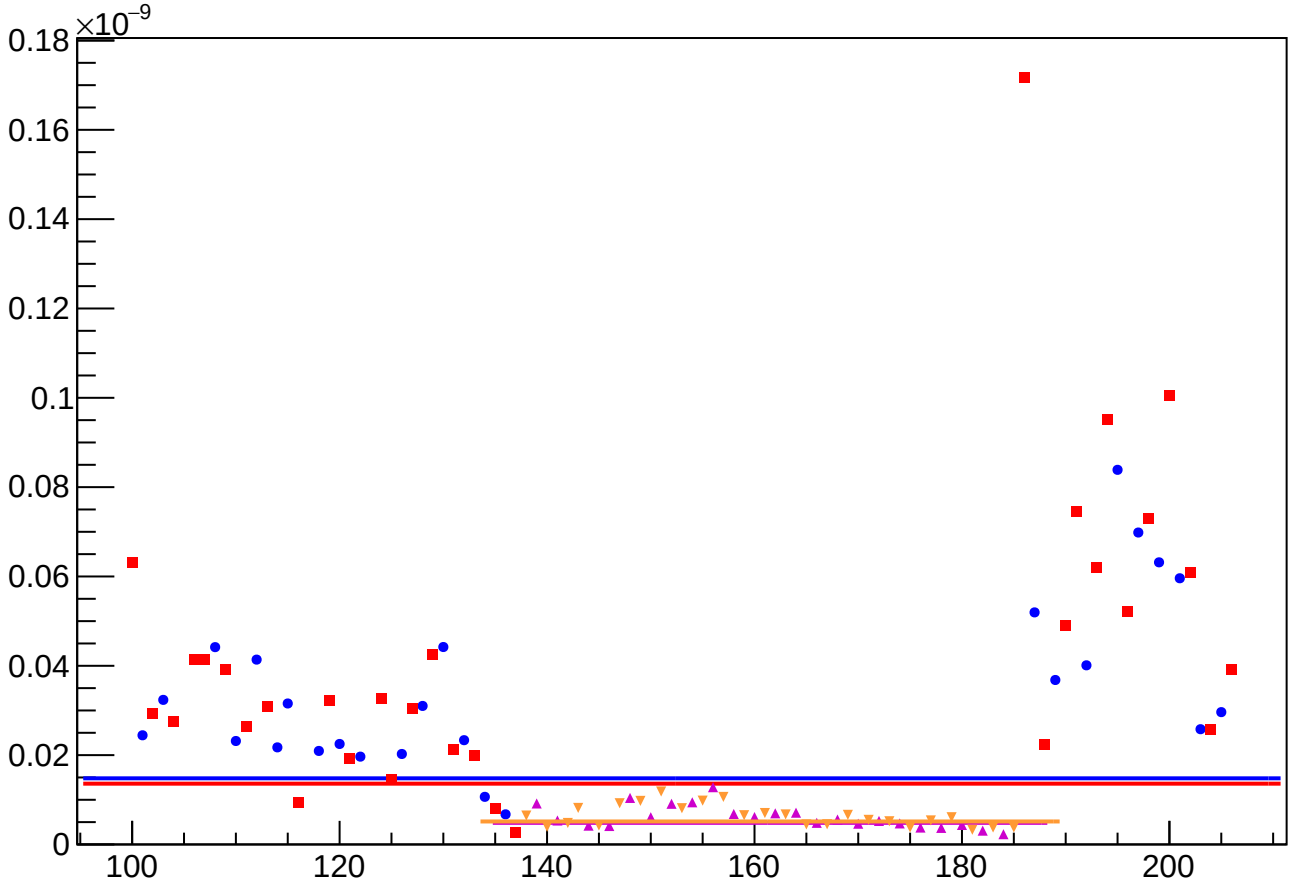
Left In: 28.389+/-0.005 χ^2/NDF:1098852.1/22

+ sign 30.253+/-0.004 χ^2/NDF: 5302909.3/49

All: 30.443+/-0.003 χ^2/NDF: 11002093.0/103

- sign 30.631+/-0.004 χ^2/NDF: 5694553.5/53


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs Slug
×10⁻¹²
0.8
0.6
0.4
0.2
0
−0.2
−0.4
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 19.9/24
Left Out: -0.000+/-0.000 χ²/NDF:34.1/24
Right Out: 0.000+/-0.000 χ²/NDF: 36.2/30
Left In: 0.000+/-0.000 χ²/NDF:19.5/22
+ sign -0.000+/-0.000 χ²/NDF: 54.0/49
All: 0.000+/-0.000 χ²/NDF: 111.9/103
- sign 0.000+/-0.000 χ²/NDF: 55.8/53



Right In: 0.000+/-0.000 χ^2/NDF: 7304887.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:3035355.5/24

Right Out: 0.000+/-0.000 χ^2/NDF: 10596904.1/30

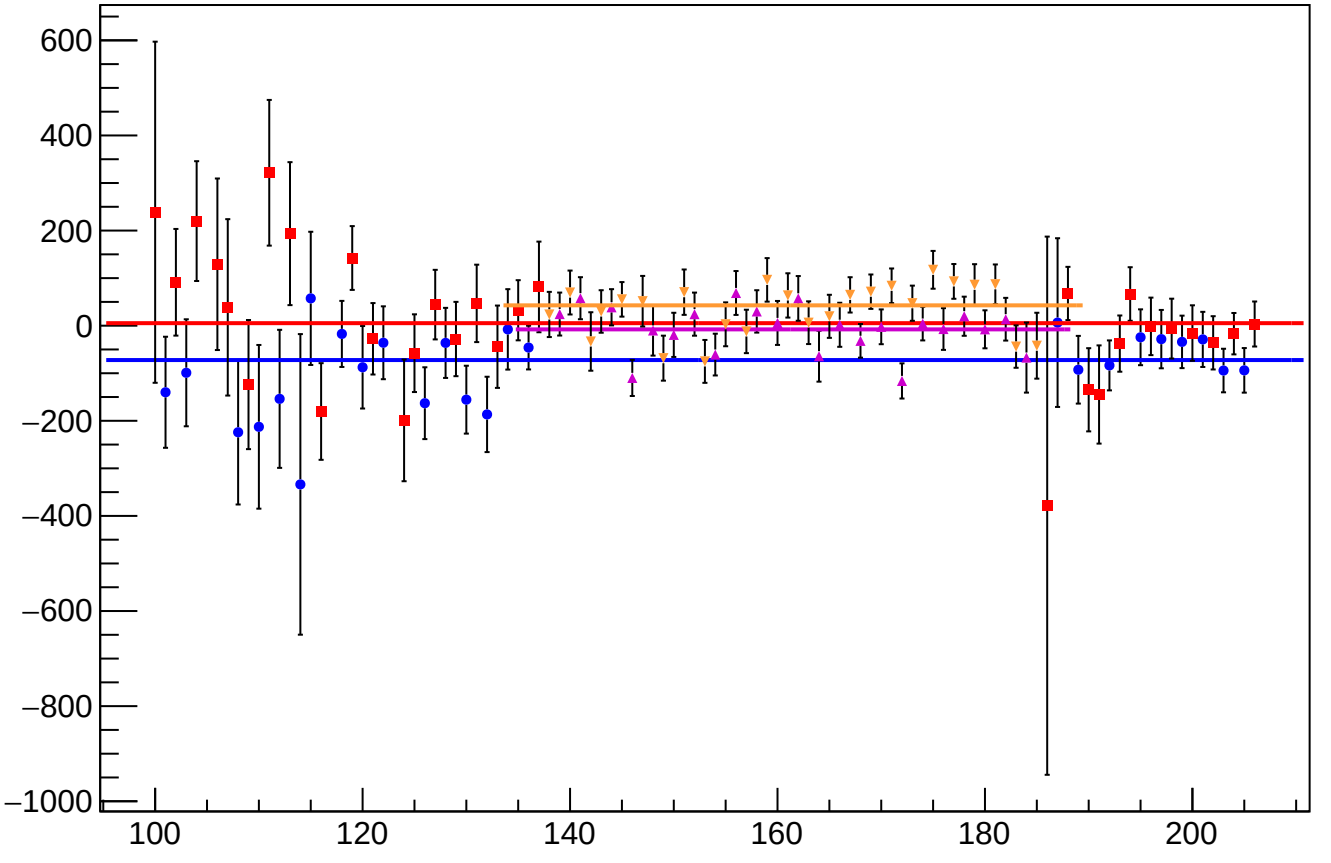
Left In: 0.000+/-0.000 χ^2/NDF:3040812.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 14595555.2/49

All: 0.000+/-0.000 χ^2/NDF: 32030390.5/103

- sign 0.000+/-0.000 χ^2/NDF: 17378462.2/53

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -72.267+/-14.312 χ^2/NDF: 13.8/24

Left Out: 42.765+/-8.698 χ^2/NDF:34.7/24

Right Out: 5.302+/-13.717 χ^2/NDF: 33.0/30

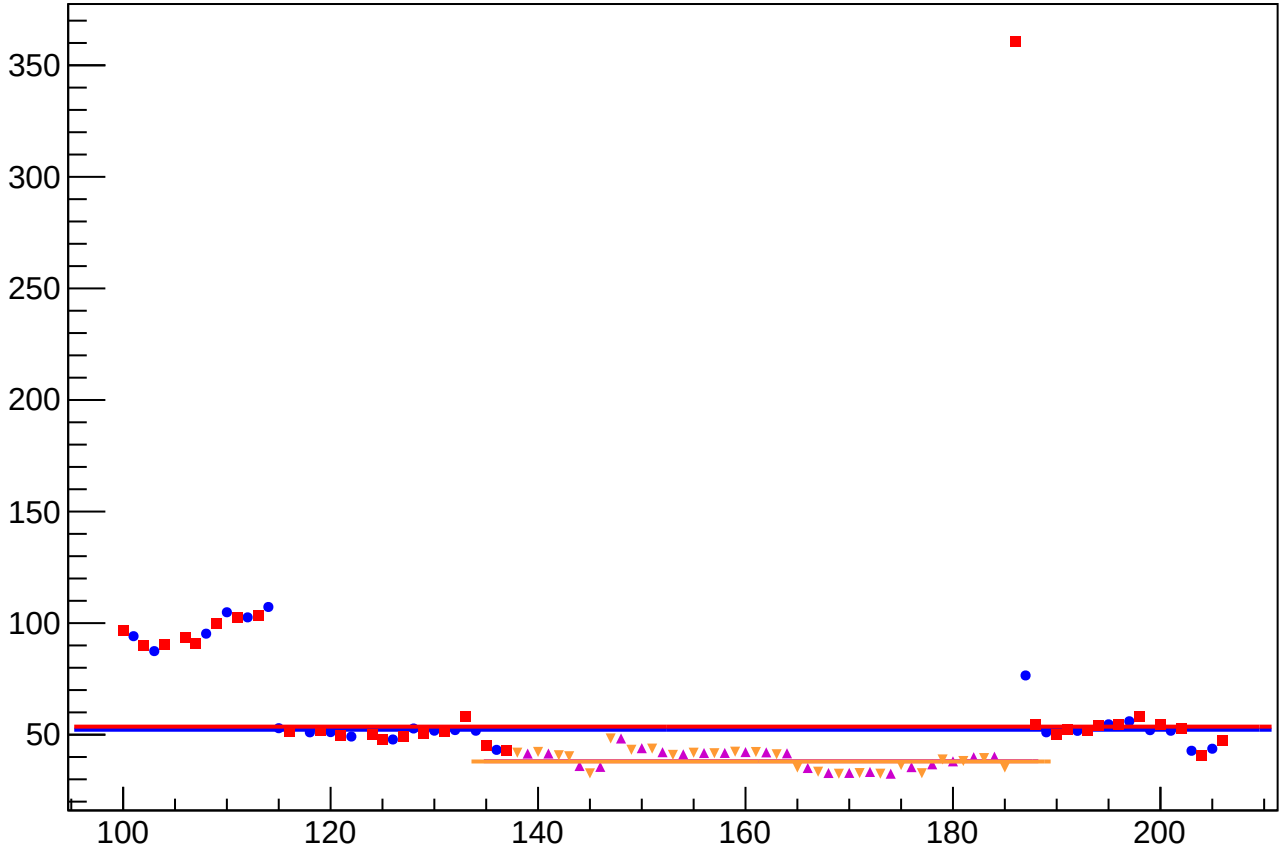
Left In: -7.783+/-8.974 χ^2/NDF:30.6/22

+ sign 11.737+/-7.433 χ^2/NDF: 95.7/49

All: 4.018+/-5.283 χ^2/NDF: 162.1/103

- sign -3.861+/-7.510 χ^2/NDF: 64.2/53

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 52.220+/-0.010 χ^2/NDF: 1391278.5/24

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

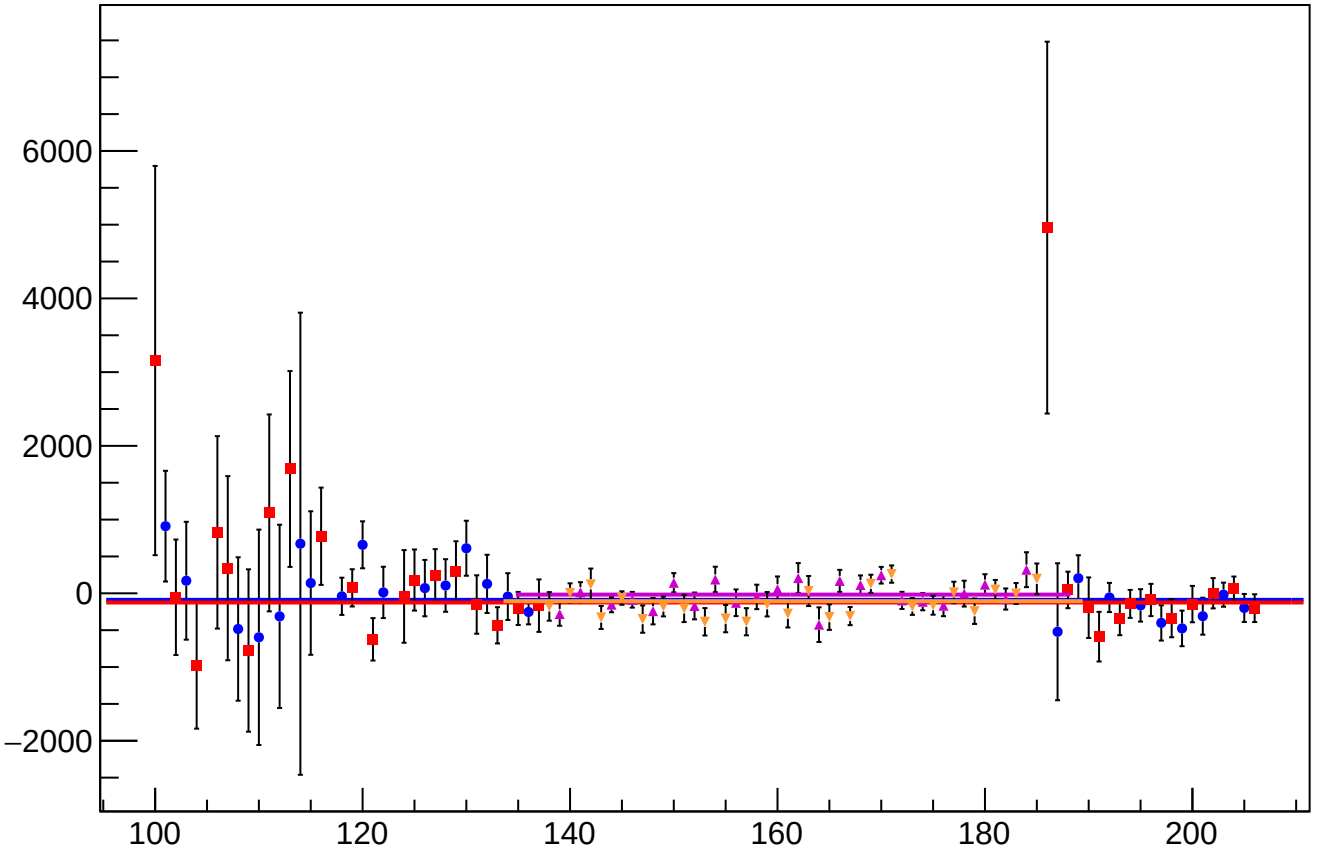
Right Out: 53.613+/-0.010 χ^2/NDF: 2166920.3/30

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.828+/-0.005 χ^2/NDF: 3348792.0/49

All: 42.296+/-0.004 χ^2/NDF: 7743720.8/103

- sign 42.773+/-0.005 χ^2/NDF: 4378941.6/53



Right In: -88.660+/-58.964 χ^2/NDF: 20.0/24

Left Out: -106.506+/-29.563 χ^2/NDF:37.6/24

Right Out: -124.524+/-55.184 χ^2/NDF: 25.9/30

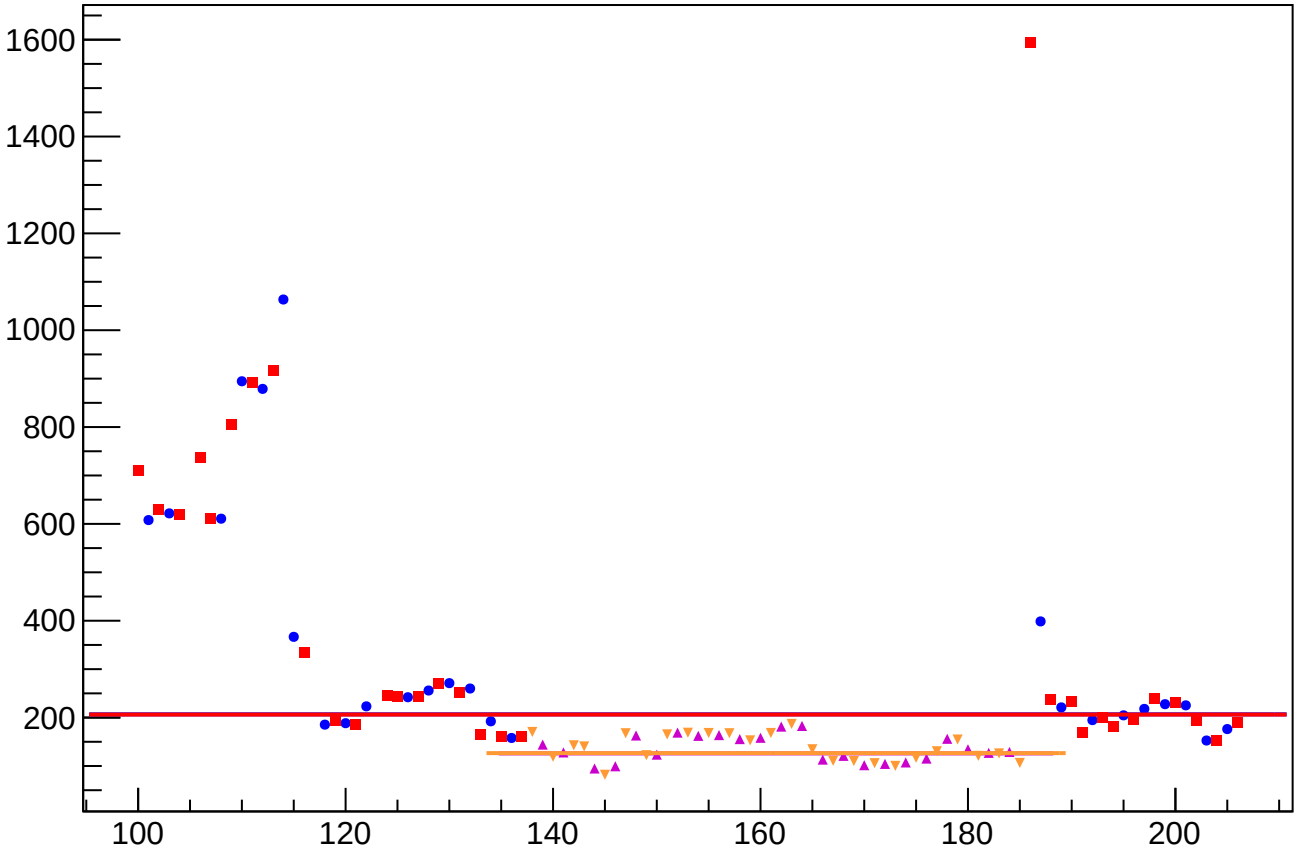
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -102.921+/-26.428 χ^2/NDF: 57.7/49

All: -72.604+/-18.706 χ^2/NDF: 117.5/103

- sign -42.160+/-26.482 χ^2/NDF: 57.1/53

asym_sam_37_26_dd_reg_correction_rms vs Slug



Right In: 206.657+/-0.042 χ^2/NDF: 3434441.1/24

Left Out: 126.561+/-0.021 χ^2/NDF:1758158.3/24

Right Out: 206.221+/-0.039 χ^2/NDF: 4735252.9/30

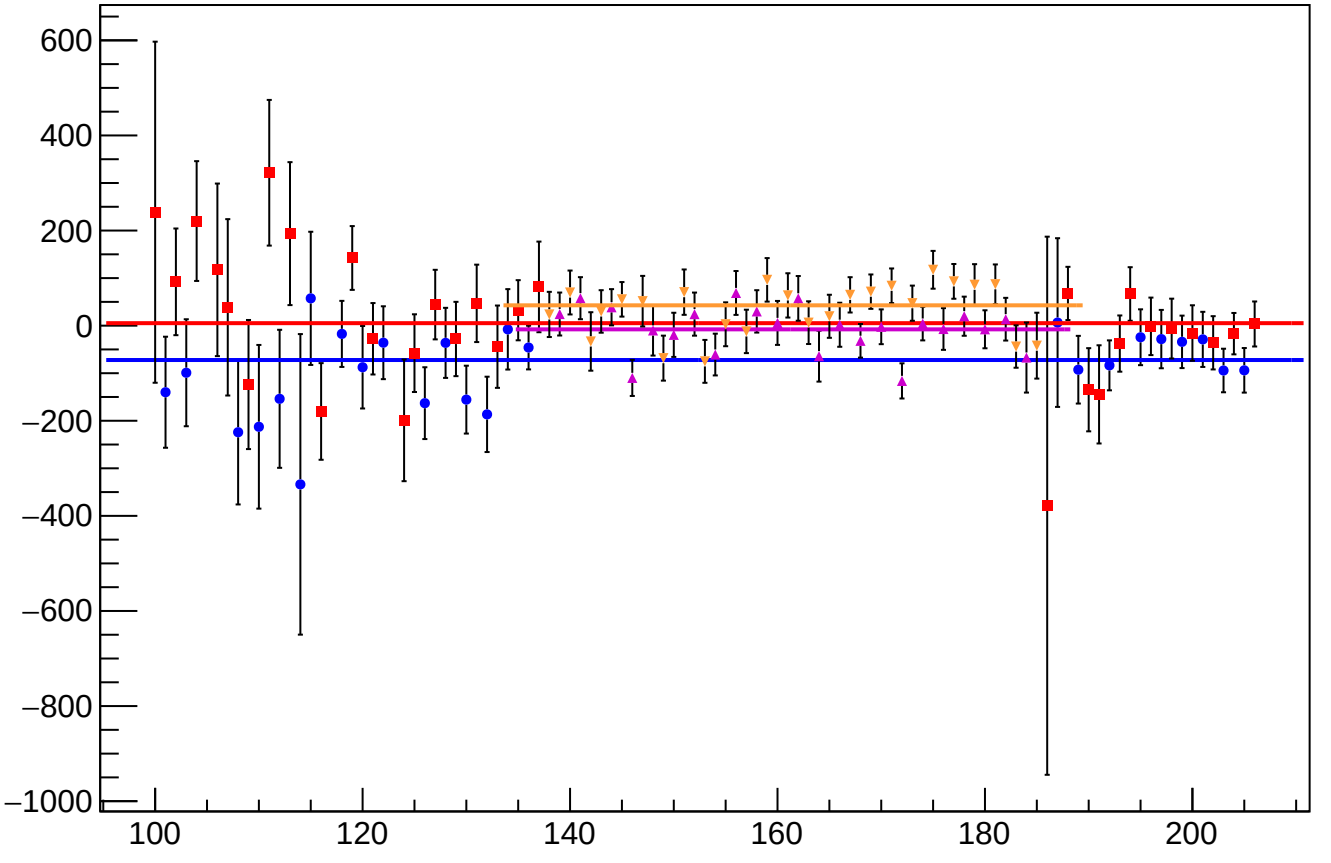
Left In: 126.013+/-0.021 χ^2/NDF:1410655.7/22

+ sign 142.651+/-0.019 χ^2/NDF: 8141696.2/49

All: 143.566+/-0.013 χ^2/NDF: 17544458.0/10

- sign 144.485+/-0.019 χ^2/NDF: 9397955.0/53

cor_asym_sam_37_26_dd_mean vs Slug



Right In: -72.265+/-14.312 χ^2/NDF: 13.8/24

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 5.239+/-13.717 χ^2/NDF: 32.9/30

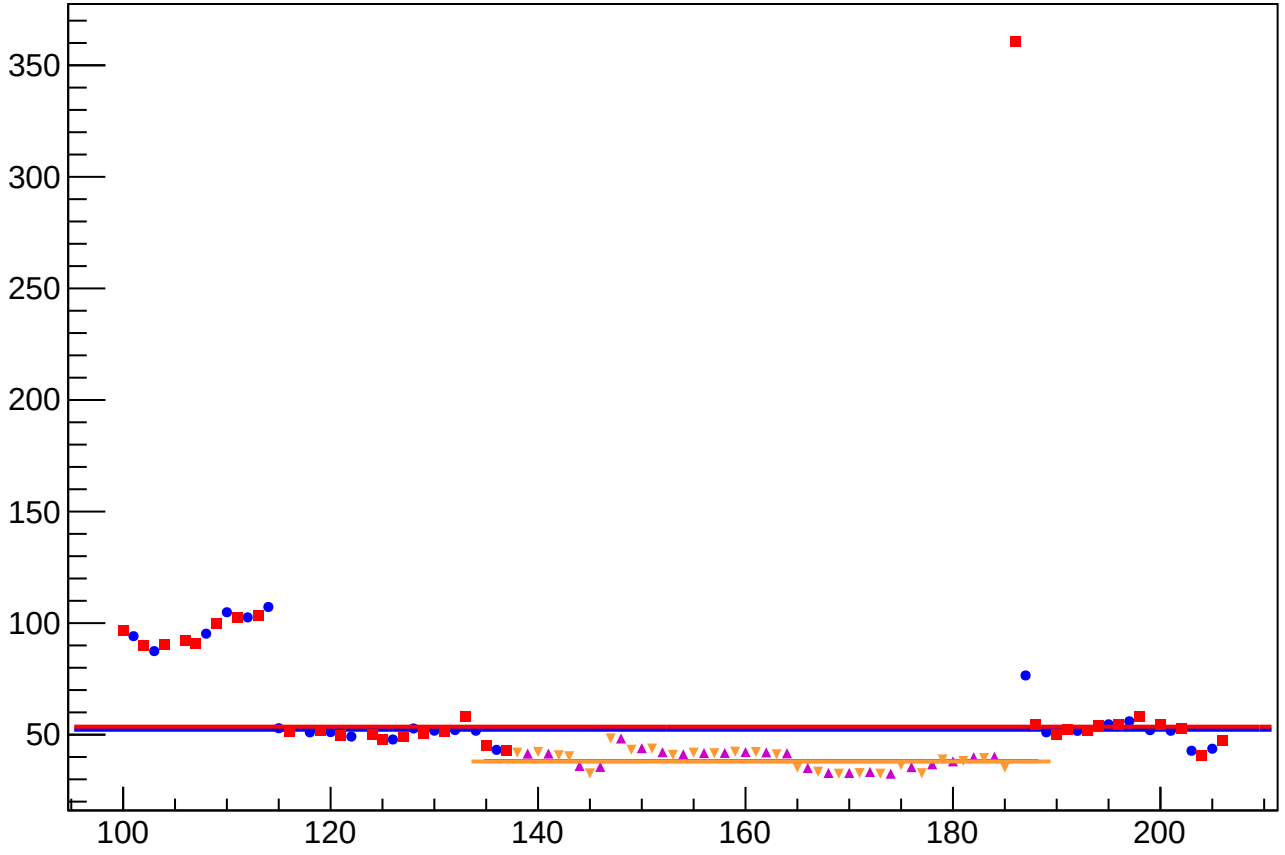
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 11.739+/-7.433 χ^2/NDF: 95.7/49

All: 4.010+/-5.283 χ^2/NDF: 162.0/103

- sign -3.881+/-7.510 χ^2/NDF: 64.1/53

cor_asym_sam_37_26_dd_rms vs Slug



Right In: 52.220+/-0.010 χ^2/NDF: 1391278.8/24

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

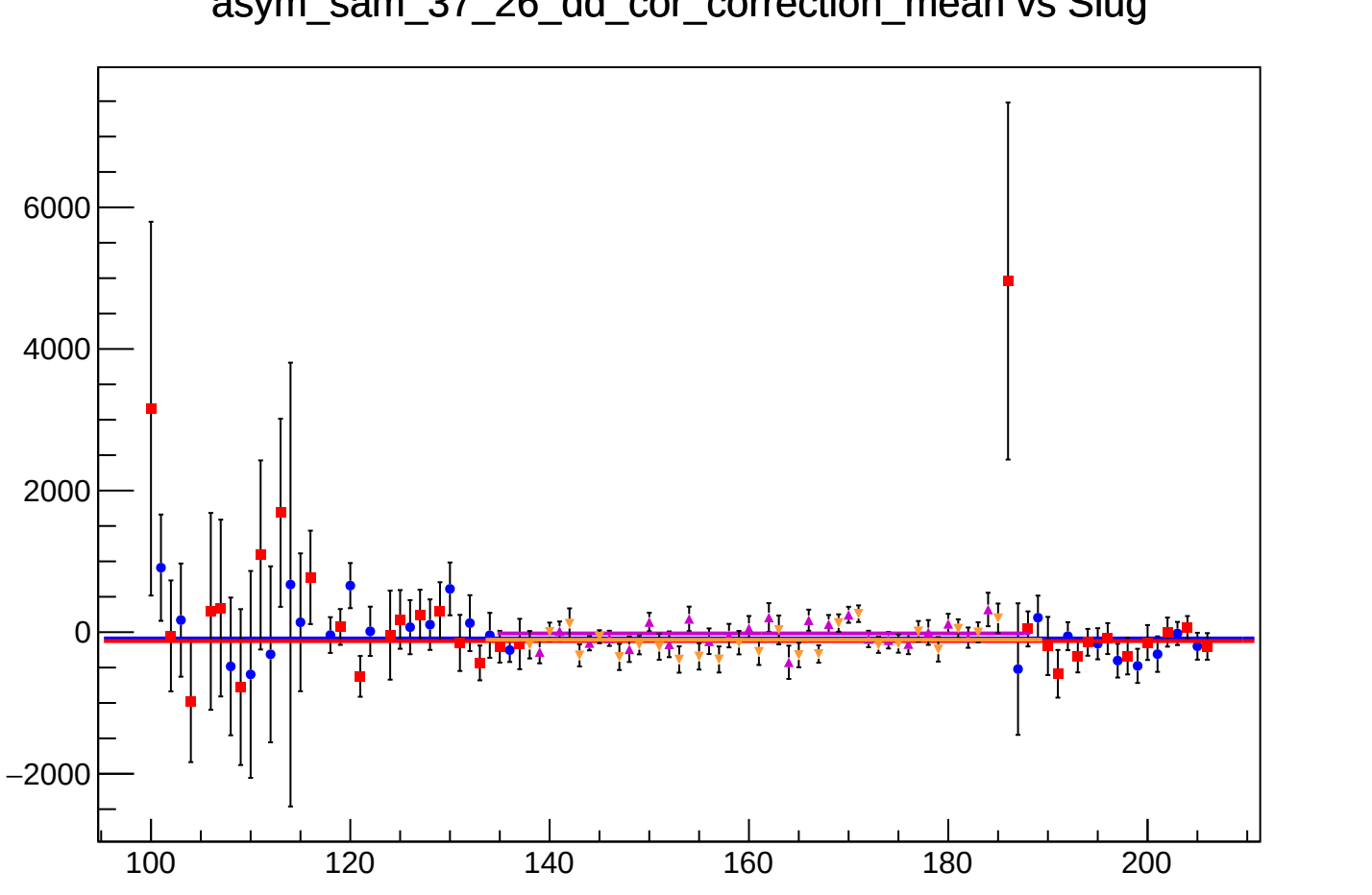
Right Out: 53.601+/-0.010 χ^2/NDF: 2158578.5/30

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.828+/-0.005 χ^2/NDF: 3348792.2/49

All: 42.294+/-0.004 χ^2/NDF: 7732525.5/103

- sign 42.769+/-0.005 χ^2/NDF: 4367870.4/53



Right In: -88.658+/-58.964 χ^2/NDF: 20.0/24

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -125.554+/-55.190 χ^2/NDF: 25.5/30

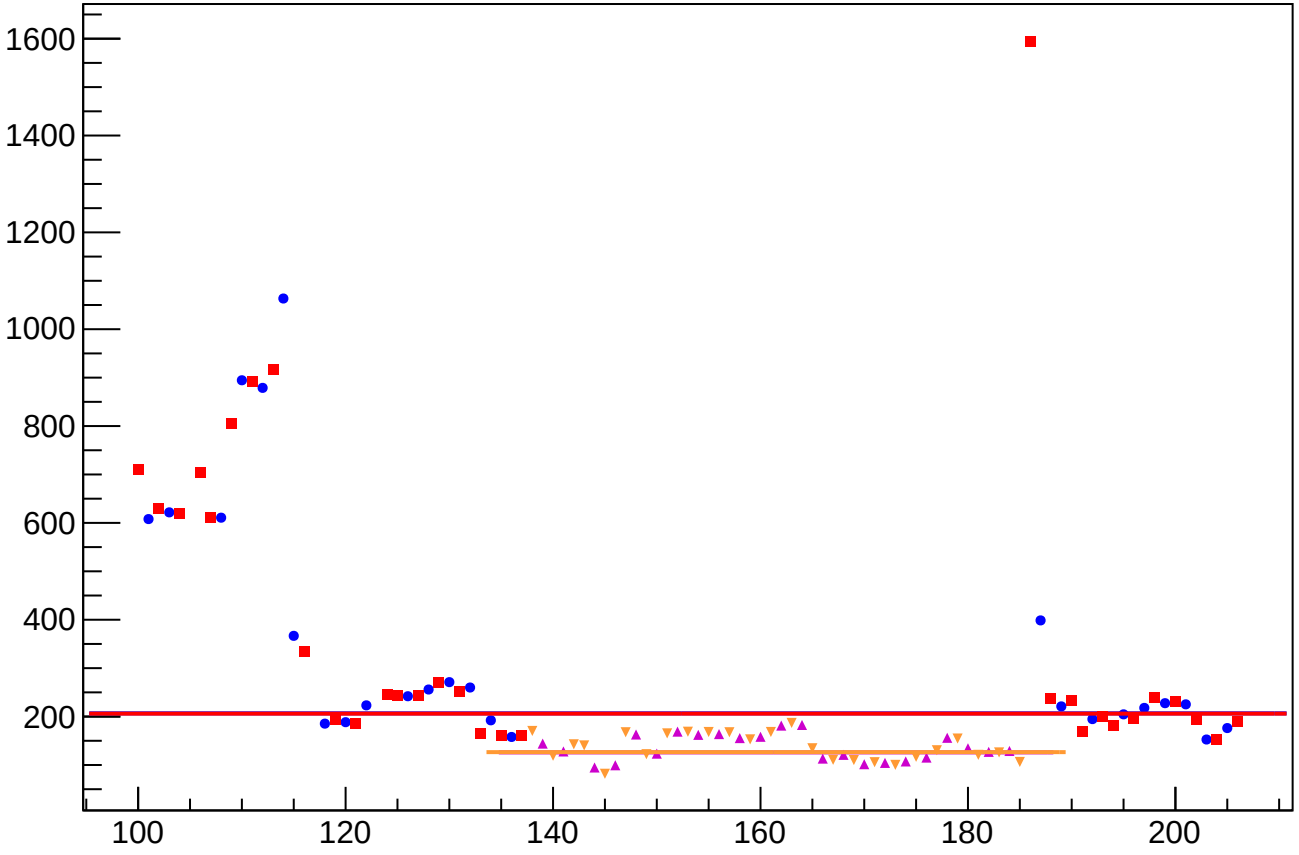
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -102.920+/-26.428 χ^2/NDF: 57.7/49

All: -72.720+/-18.707 χ^2/NDF: 117.0/103

- sign -42.393+/-26.483 χ^2/NDF: 56.7/53

asym_sam_37_26_dd_cor_correction_rms vs Slug



Right In: 206.657+/-0.042 χ^2/NDF: 3434449.6/24

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

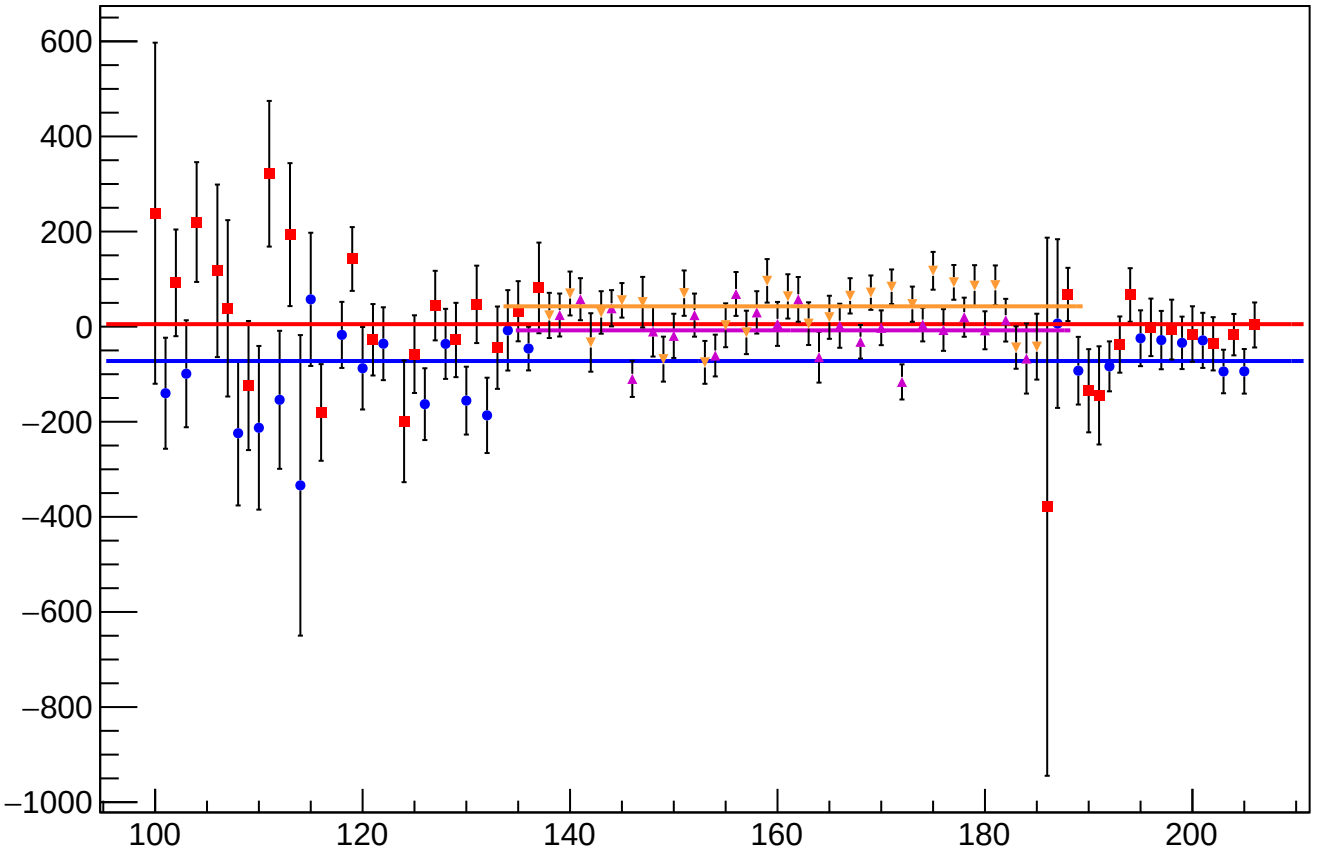
Right Out: 206.057+/-0.039 χ^2/NDF: 4662102.2/30

Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 142.651+/-0.019 χ^2/NDF: 8141692.2/49

All: 143.546+/-0.013 χ^2/NDF: 17457307.5/10

- sign 144.444+/-0.019 χ^2/NDF: 9311020.5/53



Right In: -72.265+/-14.312 χ^2/NDF: 13.8/24

Left Out: 42.767+/-8.698 χ^2/NDF:34.7/24

Right Out: 5.239+/-13.717 χ^2/NDF: 32.9/30

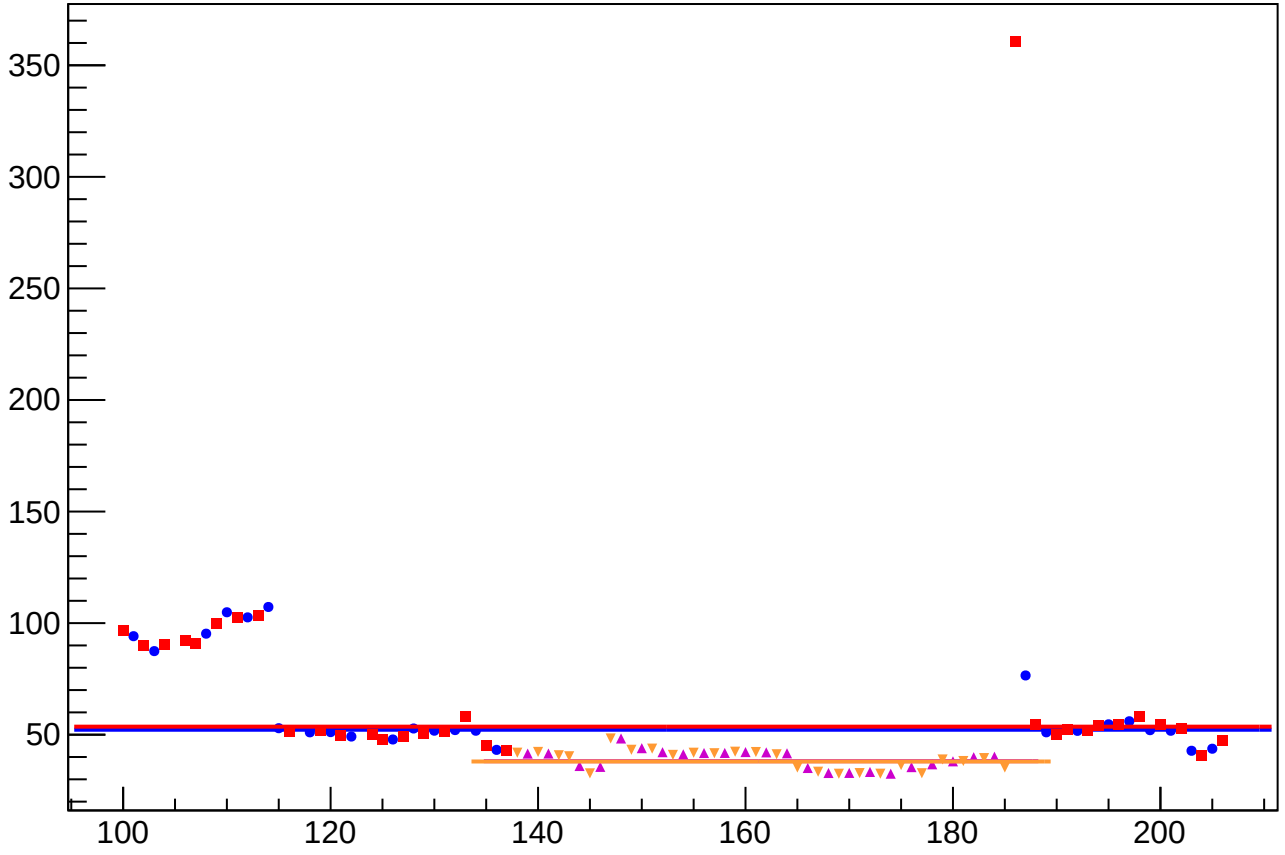
Left In: -7.785+/-8.974 χ^2/NDF:30.6/22

+ sign 11.739+/-7.433 χ^2/NDF: 95.7/49

All: 4.010+/-5.283 χ^2/NDF: 162.0/103

- sign -3.881+/-7.510 χ^2/NDF: 64.1/53

eigen_cor_asym_sam_37_26_dd_rms vs Slug



Right In: 52.220+/-0.010 χ^2/NDF: 1391278.8/24

Left Out: 37.990+/-0.006 χ^2/NDF:513605.5/24

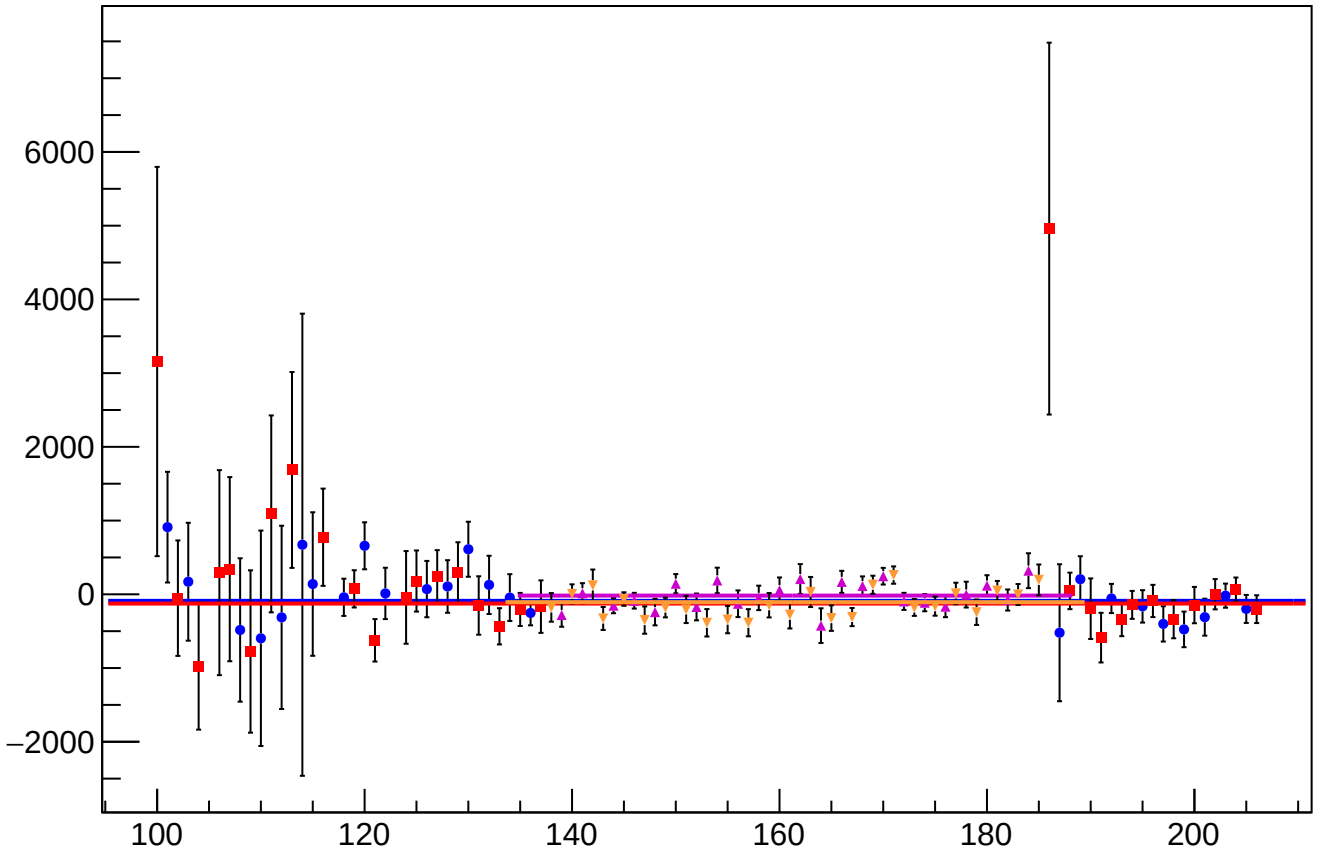
Right Out: 53.601+/-0.010 χ^2/NDF: 2158578.5/30

Left In: 38.133+/-0.006 χ^2/NDF:428309.7/22

+ sign 41.828+/-0.005 χ^2/NDF: 3348792.2/49

All: 42.294+/-0.004 χ^2/NDF: 7732525.5/103

- sign 42.769+/-0.005 χ^2/NDF: 4367870.4/53



Right In: -88.658+/-58.964 χ^2/NDF: 20.0/24

Left Out: -106.505+/-29.563 χ^2/NDF:37.6/24

Right Out: -125.554+/-55.190 χ^2/NDF: 25.5/30

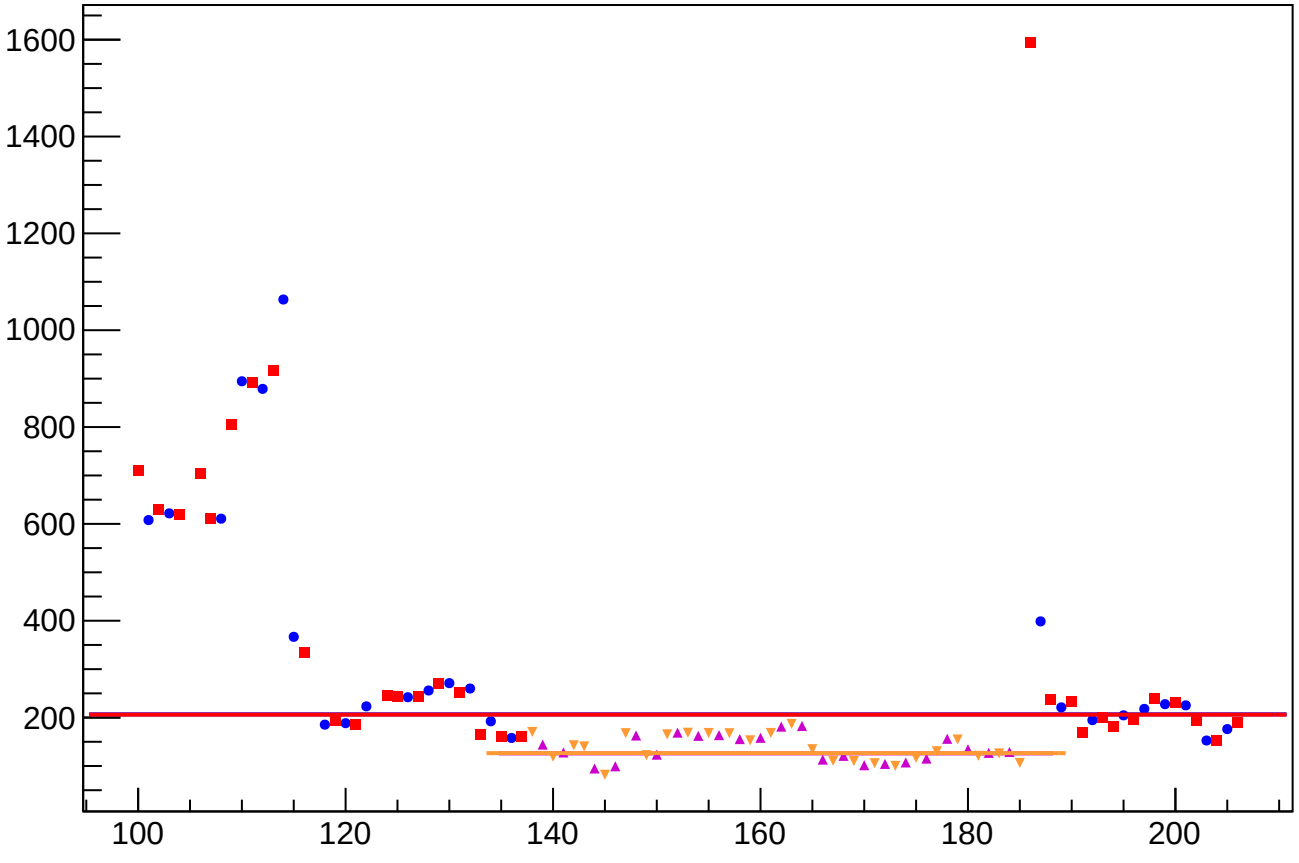
Left In: -17.517+/-30.185 χ^2/NDF:28.2/22

+ sign -102.920+/-26.428 χ^2/NDF: 57.7/49

All: -72.720+/-18.707 χ^2/NDF: 117.0/103

- sign -42.393+/-26.483 χ^2/NDF: 56.7/53

asym_sam_37_26_dd_eigen_cor_correction_rms vs Slug



Right In: 206.657+/-0.042 χ^2/NDF: 3434449.6/24

Left Out: 126.561+/-0.021 χ^2/NDF:1758151.9/24

Right Out: 206.057+/-0.039 χ^2/NDF: 4662102.2/30

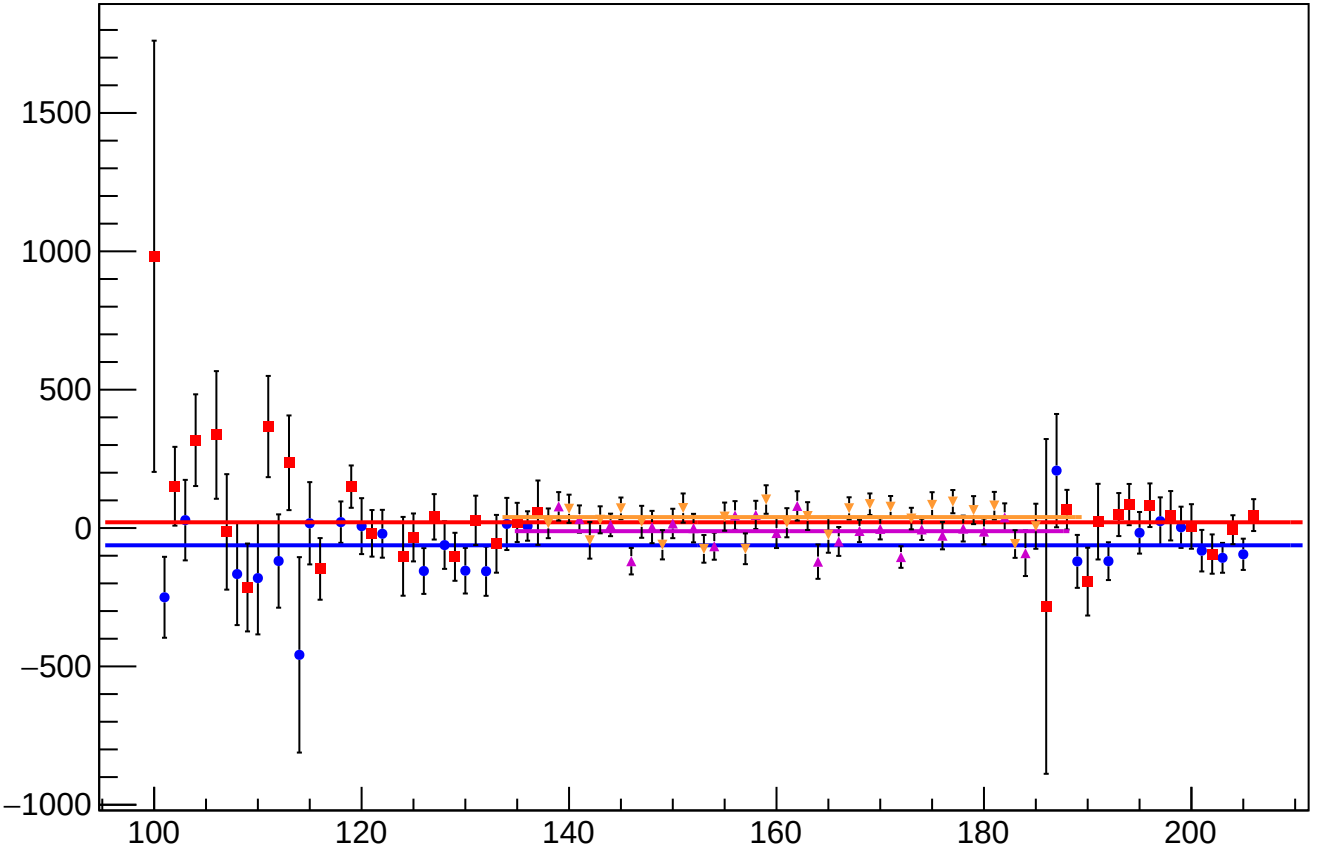
Left In: 126.013+/-0.021 χ^2/NDF:1410664.0/22

+ sign 142.651+/-0.019 χ^2/NDF: 8141692.2/49

All: 143.546+/-0.013 χ^2/NDF: 17457307.5/10

- sign 144.444+/-0.019 χ^2/NDF: 9311020.5/53

dit_asym_sam_37_26_dd_mean vs Slug



Right In: -62.348+/-17.300 χ^2/NDF: 18.4/24

Left Out: 39.563+/-9.745 χ^2/NDF:29.6/24

Right Out: 20.847+/-16.786 χ^2/NDF: 32.5/30

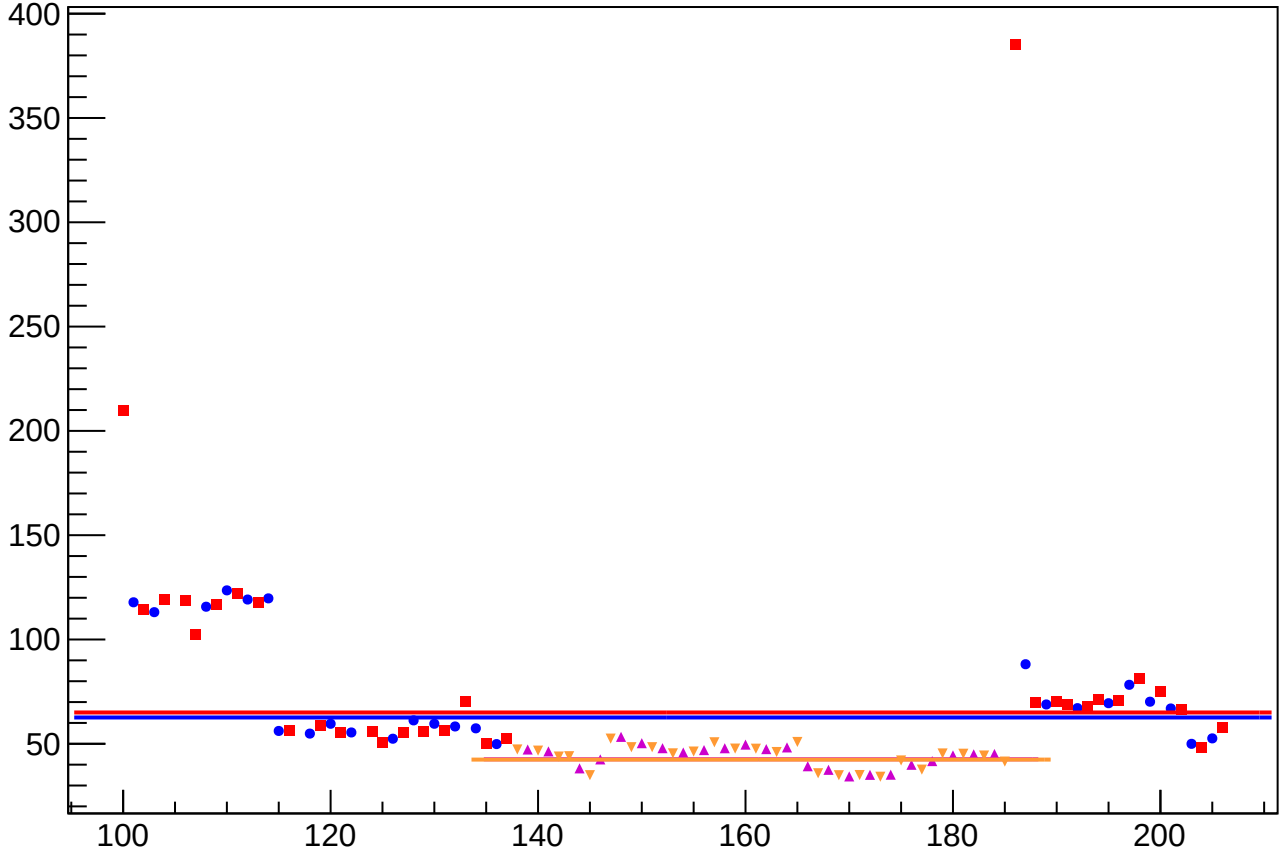
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 15.016+/-8.491 χ^2/NDF: 74.3/49

All: 6.269+/-6.056 χ^2/NDF: 139.6/103

- sign -2.788+/-8.640 χ^2/NDF: 63.1/53

dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.614+/-0.012 χ^2/NDF: 1679047.7/24

Left Out: 42.426+/-0.007 χ^2/NDF:698766.0/24

Right Out: 65.015+/-0.012 χ^2/NDF: 2528158.1/30

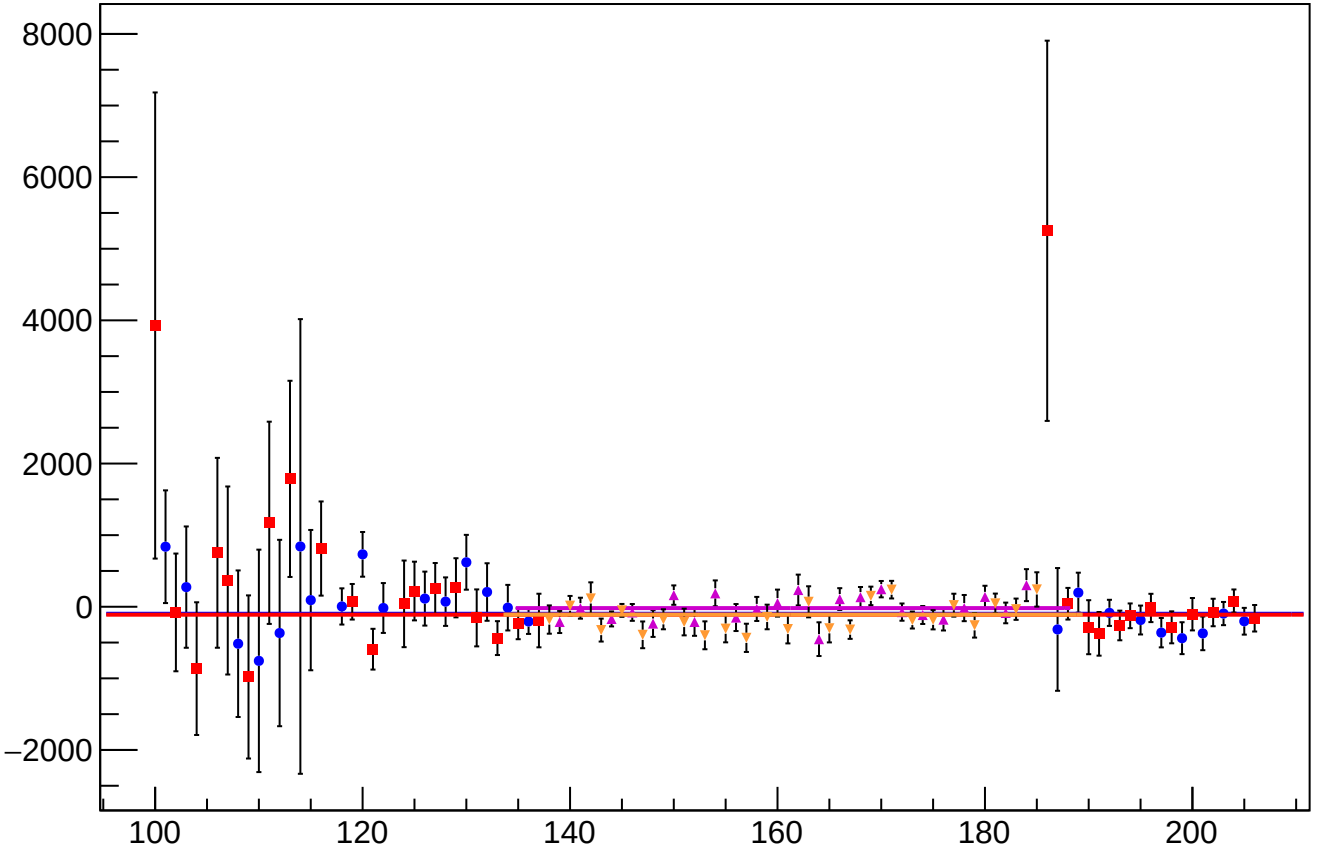
Left In: 42.579+/-0.007 χ^2/NDF:589897.0/22

+ sign 47.289+/-0.006 χ^2/NDF: 4445194.2/49

All: 47.895+/-0.004 χ^2/NDF: 10210320.7/103

- sign 48.523+/-0.006 χ^2/NDF: 5744384.9/53

asym_sam_37_26_dd_dit_correction_mean vs Slug



Right In: -97.848+/-56.840 χ^2/NDF: 21.6/24

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

Right Out: -110.823+/-52.205 χ^2/NDF: 24.8/30

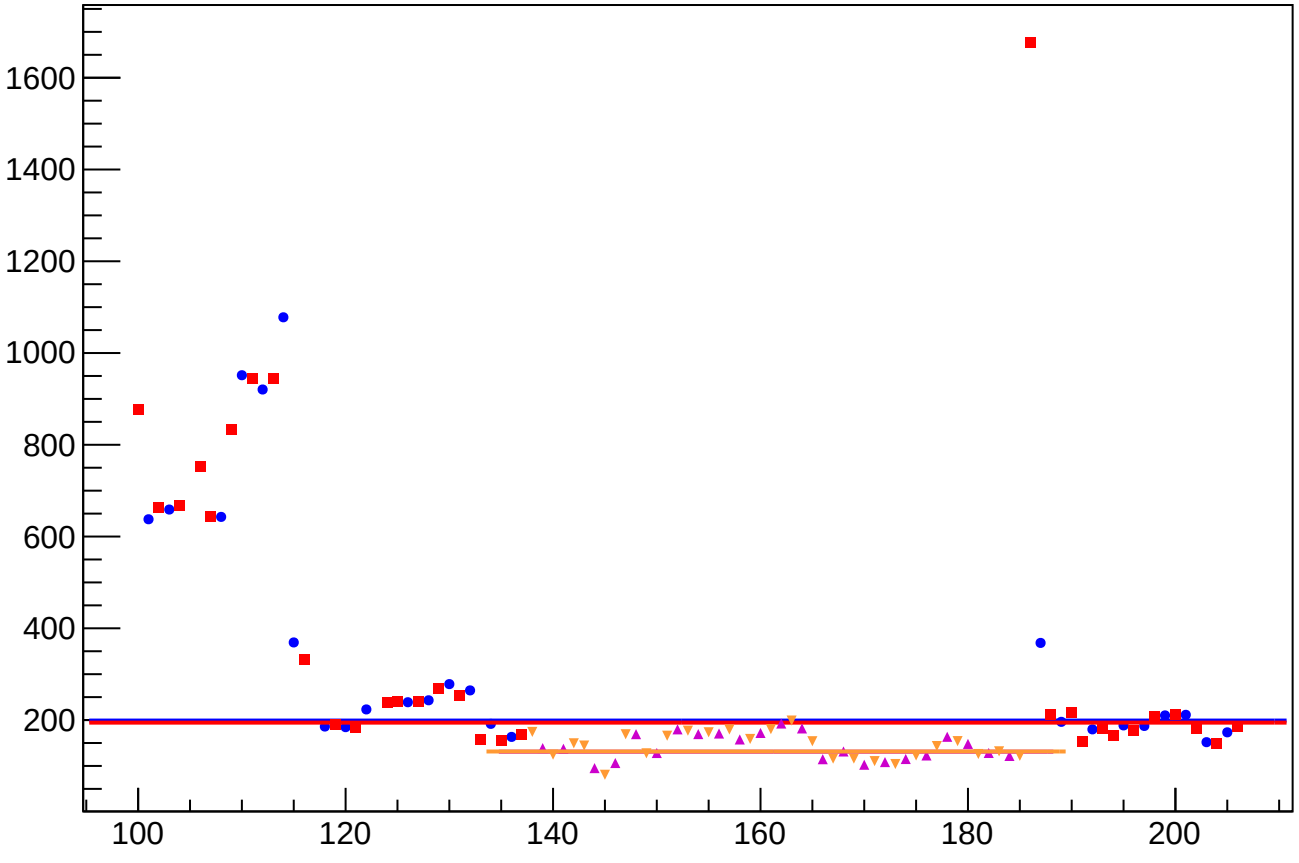
Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -107.146+/-27.052 χ^2/NDF: 57.9/49

All: -75.141+/-19.095 χ^2/NDF: 114.9/103

- sign -43.362+/-26.956 χ^2/NDF: 54.3/53

asym_sam_37_26_dd_dit_correction_rms vs Slug



Right In: 198.892+/-0.040 χ^2/NDF: 3515540.6/24

Left Out: 131.515+/-0.022 χ^2/NDF:1902958.8/24

Right Out: 194.409+/-0.037 χ^2/NDF: 4966698.8/30

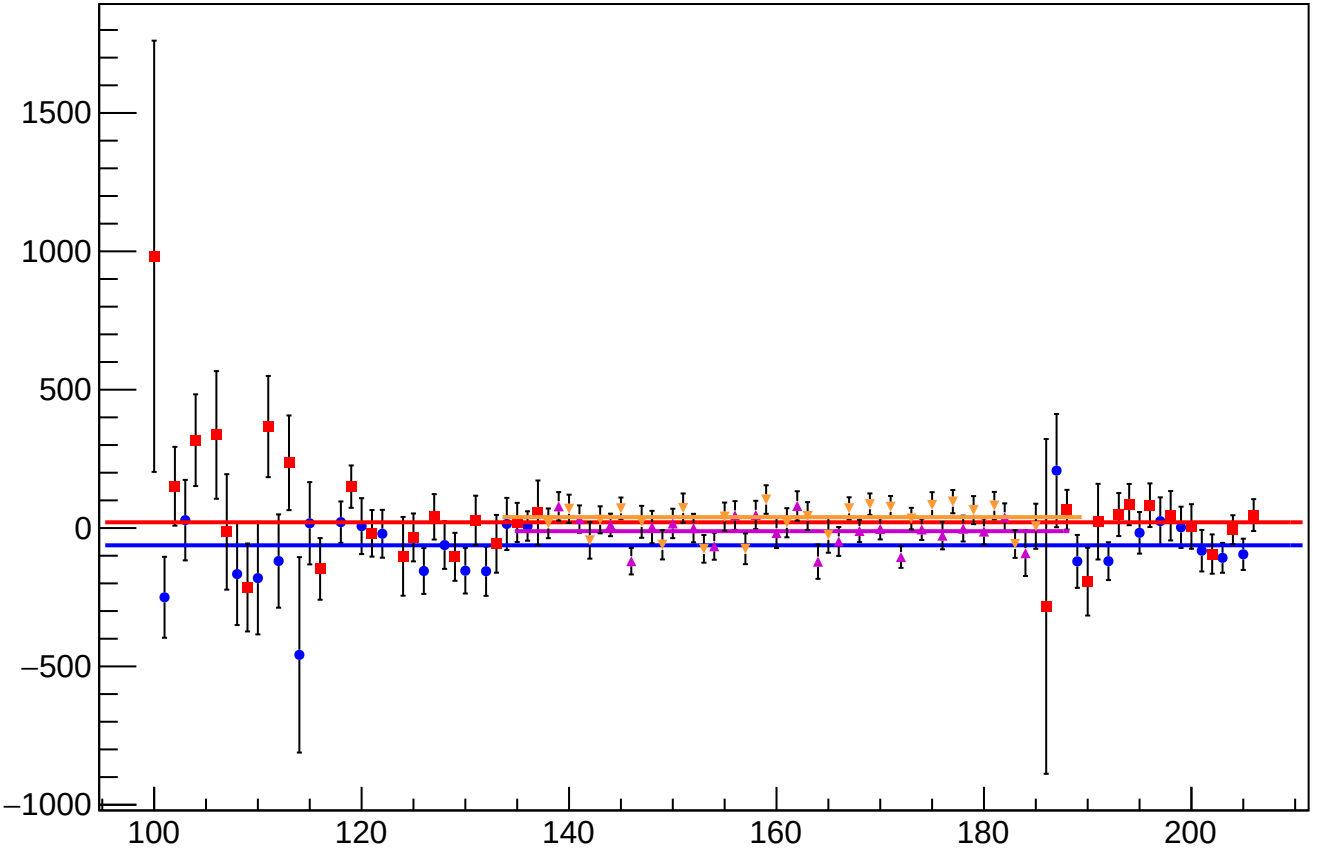
Left In: 131.074+/-0.022 χ^2/NDF:1467806.6/22

+ sign 146.776+/-0.019 χ^2/NDF: 7592177.3/49

All: 147.370+/-0.014 χ^2/NDF: 16187493.9/10

- sign 147.960+/-0.019 χ^2/NDF: 8593395.4/53

eigen_dit_asym_sam_37_26_dd_mean vs Slug



Right In: -62.348+/-17.300 χ^2/NDF: 18.4/24

Left Out: 39.564+/-9.745 χ^2/NDF:29.6/24

Right Out: 20.848+/-16.786 χ^2/NDF: 32.5/30

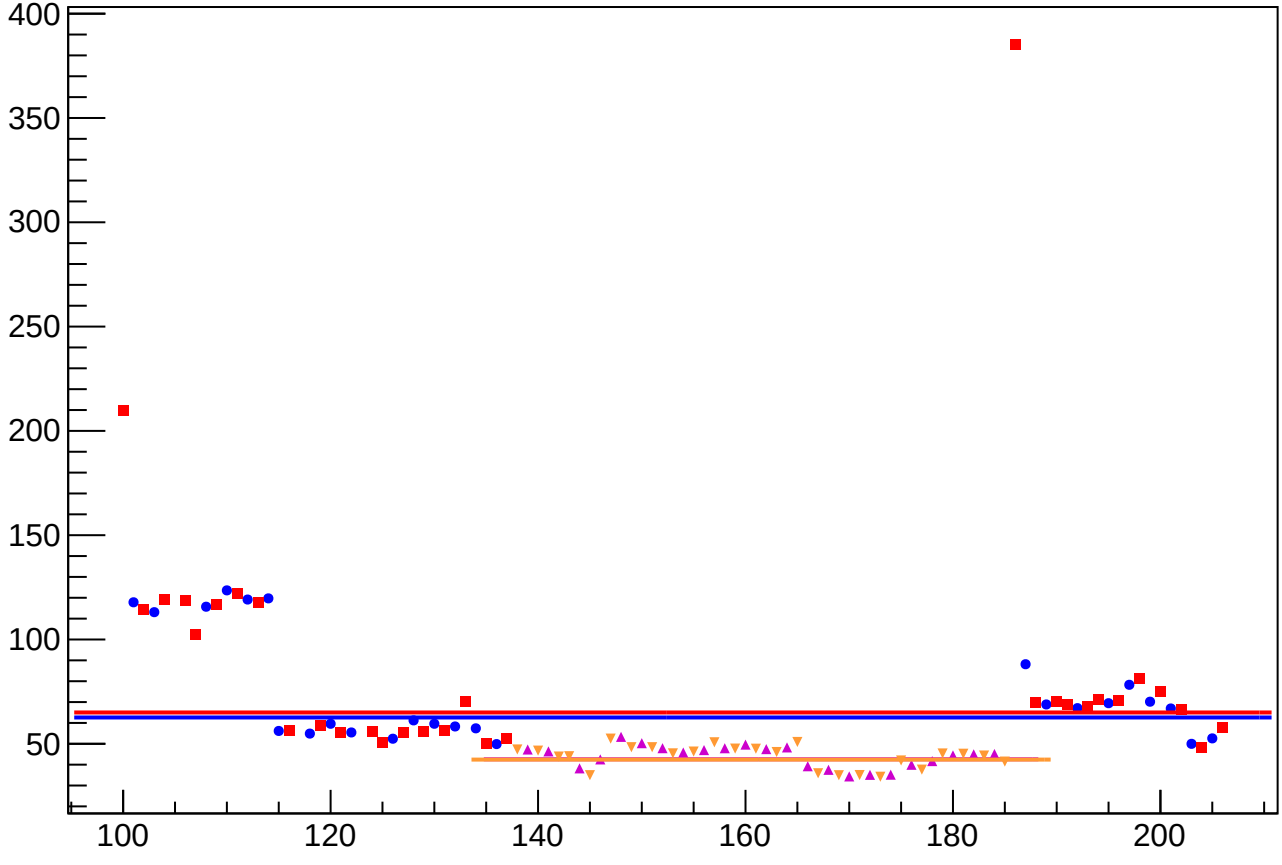
Left In: -11.306+/-10.077 χ^2/NDF:27.9/22

+ sign 15.016+/-8.491 χ^2/NDF: 74.3/49

All: 6.269+/-6.056 χ^2/NDF: 139.6/103

- sign -2.788+/-8.640 χ^2/NDF: 63.1/53

eigen_dit_asym_sam_37_26_dd_rms vs Slug



Right In: 62.614+/-0.012 χ^2/NDF: 1679037.3/24

Left Out: 42.426+/-0.007 χ^2/NDF:698784.4/24

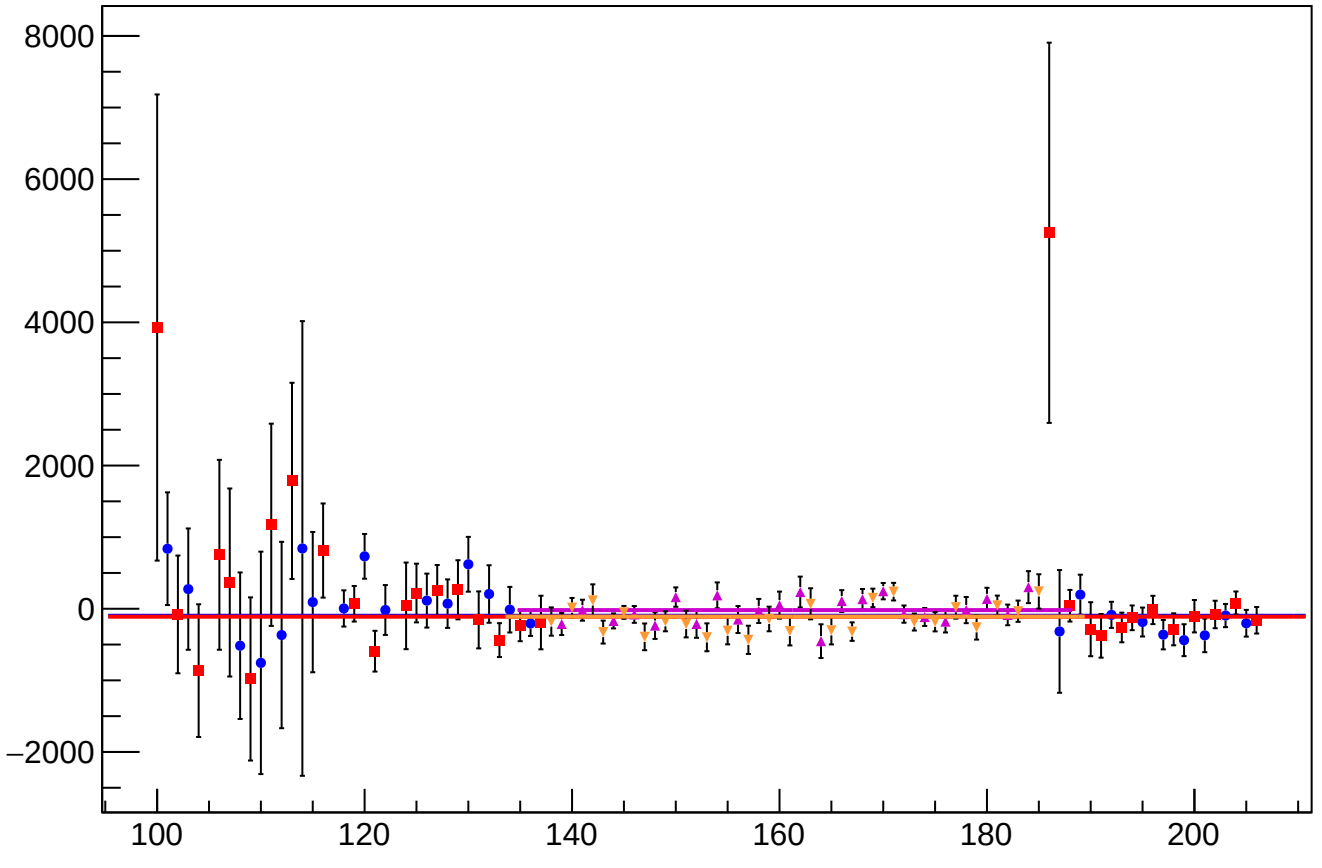
Right Out: 65.015+/-0.012 χ^2/NDF: 2528133.8/30

Left In: 42.579+/-0.007 χ^2/NDF:589901.9/22

+ sign 47.289+/-0.006 χ^2/NDF: 4445208.7/49

All: 47.895+/-0.004 χ^2/NDF: 10210351.7/103

- sign 48.523+/-0.006 χ^2/NDF: 5744397.7/53



Right In: -97.848+/-56.840 χ^2/NDF: 21.6/24

Left Out: -109.869+/-30.759 χ^2/NDF:36.3/24

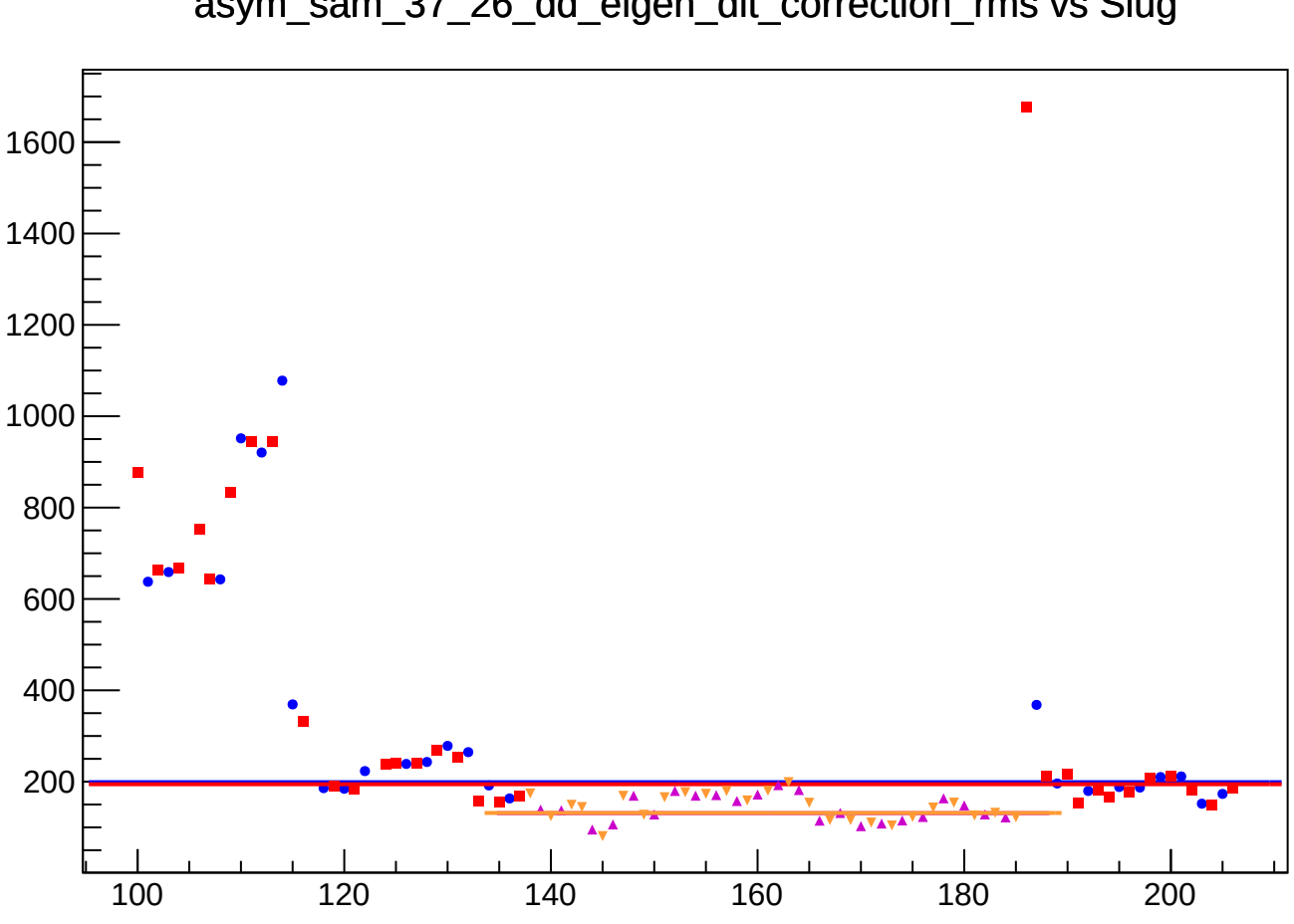
Right Out: -110.822+/-52.205 χ^2/NDF: 24.8/30

Left In: -18.838+/-31.477 χ^2/NDF:27.2/22

+ sign -107.146+/-27.052 χ^2/NDF: 57.9/49

All: -75.141+/-19.095 χ^2/NDF: 114.9/103

- sign -43.362+/-26.956 χ^2/NDF: 54.3/53



Right In: 198.891+/-0.040 χ^2/NDF: 3515532.1/24

Left Out: 131.515+/-0.022 χ^2/NDF:1902951.8/24

Right Out: 194.409+/-0.037 χ^2/NDF: 4966700.4/30

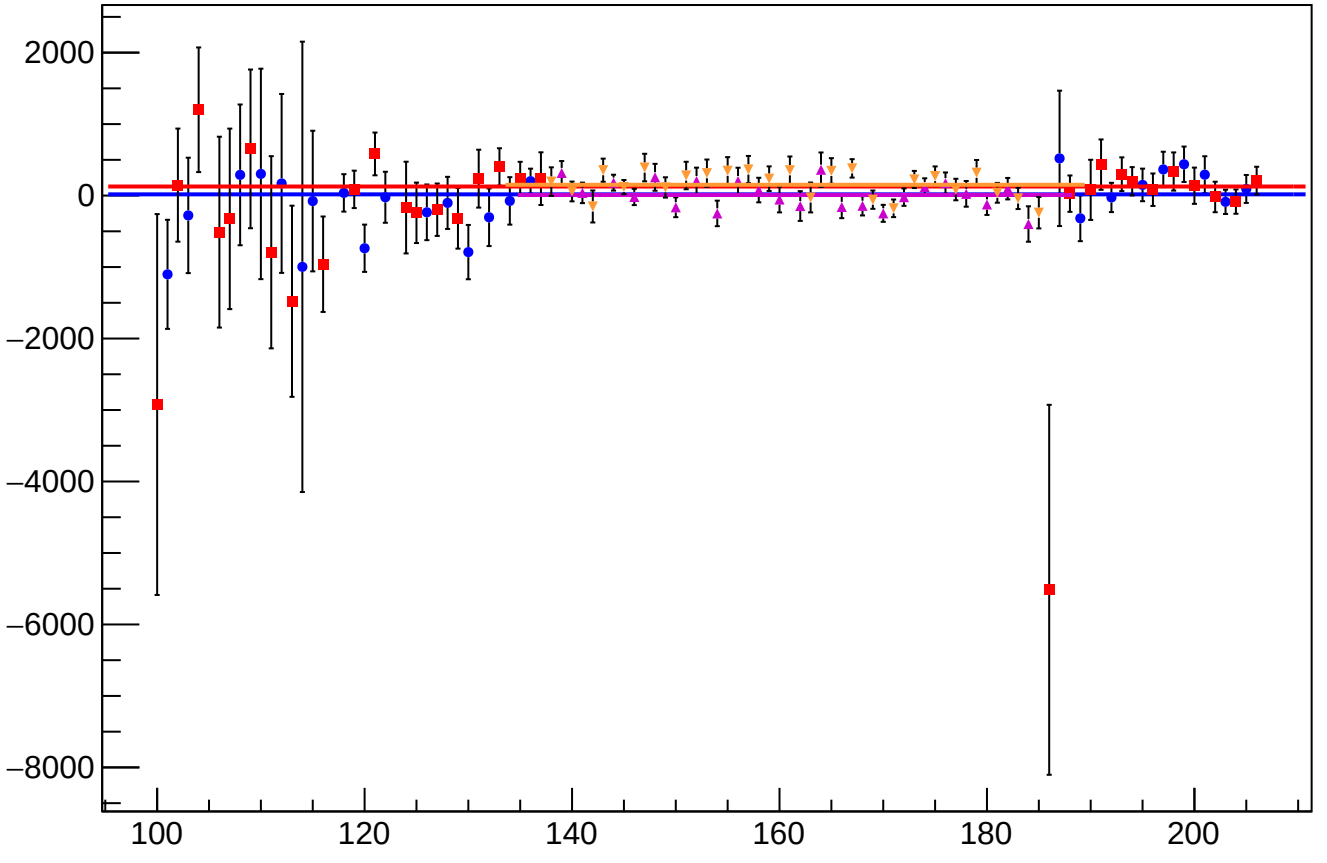
Left In: 131.074+/-0.022 χ^2/NDF:1467810.7/22

+ sign 146.776+/-0.019 χ^2/NDF: 7592120.1/49

All: 147.370+/-0.014 χ^2/NDF: 16187391.2/10

- sign 147.960+/-0.019 χ^2/NDF: 8593350.3/53

asym_sam_37_26_dd_mean vs Slug



Right In: 17.150+/-60.894 χ^2/NDF: 22.9/24

Left Out: 151.108+/-30.952 χ^2/NDF:33.1/24

Right Out: 126.806+/-57.116 χ^2/NDF: 23.9/30

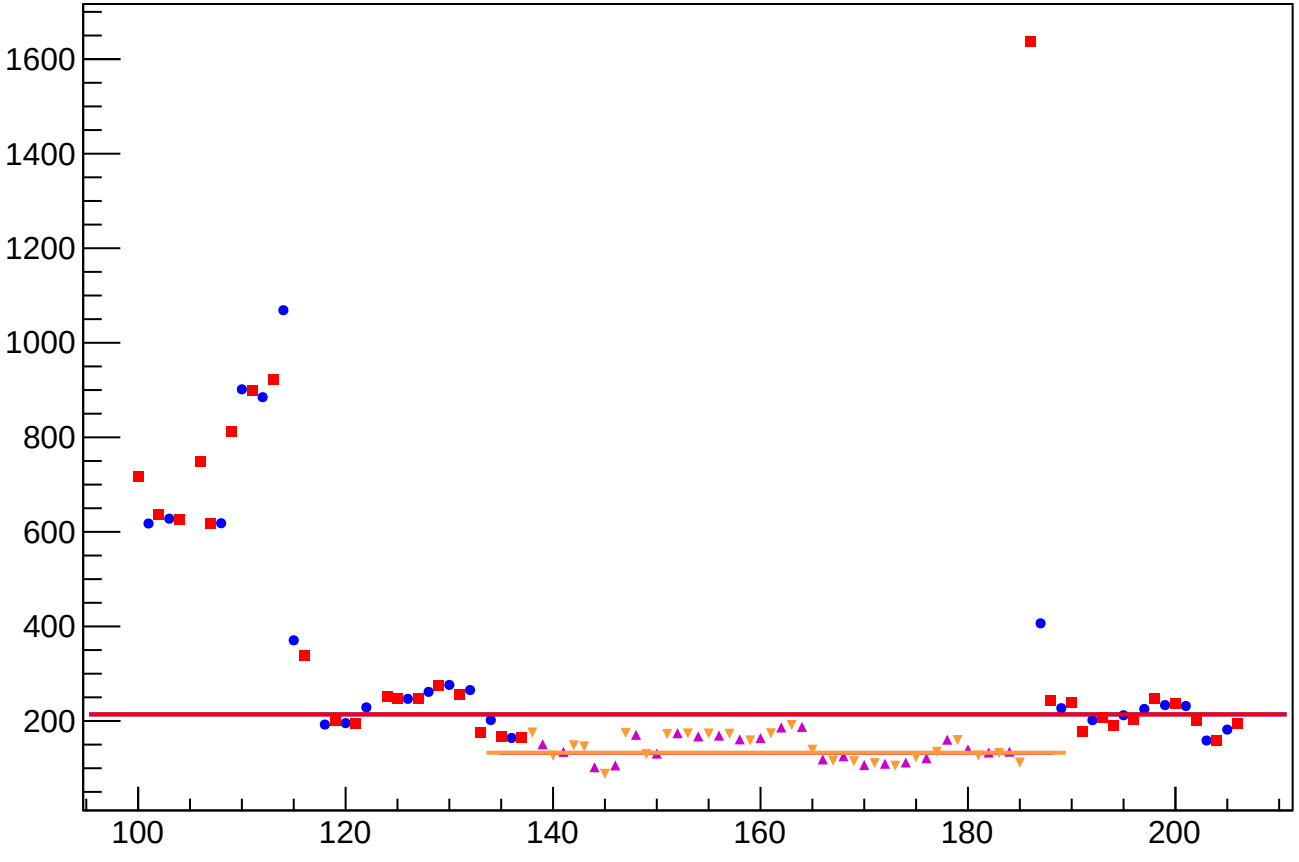
Left In: 7.941+/-31.621 χ^2/NDF:29.5/22

+ sign 123.605+/-27.592 χ^2/NDF: 59.9/49

All: 79.831+/-19.536 χ^2/NDF: 121.5/103

- sign 35.827+/-27.664 χ^2/NDF: 56.6/53

asym_sam_37_26_dd_rms vs Slug



Right In: 213.886+/-0.043 χ^2/NDF: 3342053.1/24

Left Out: 132.876+/-0.022 χ^2/NDF:1592310.5/24

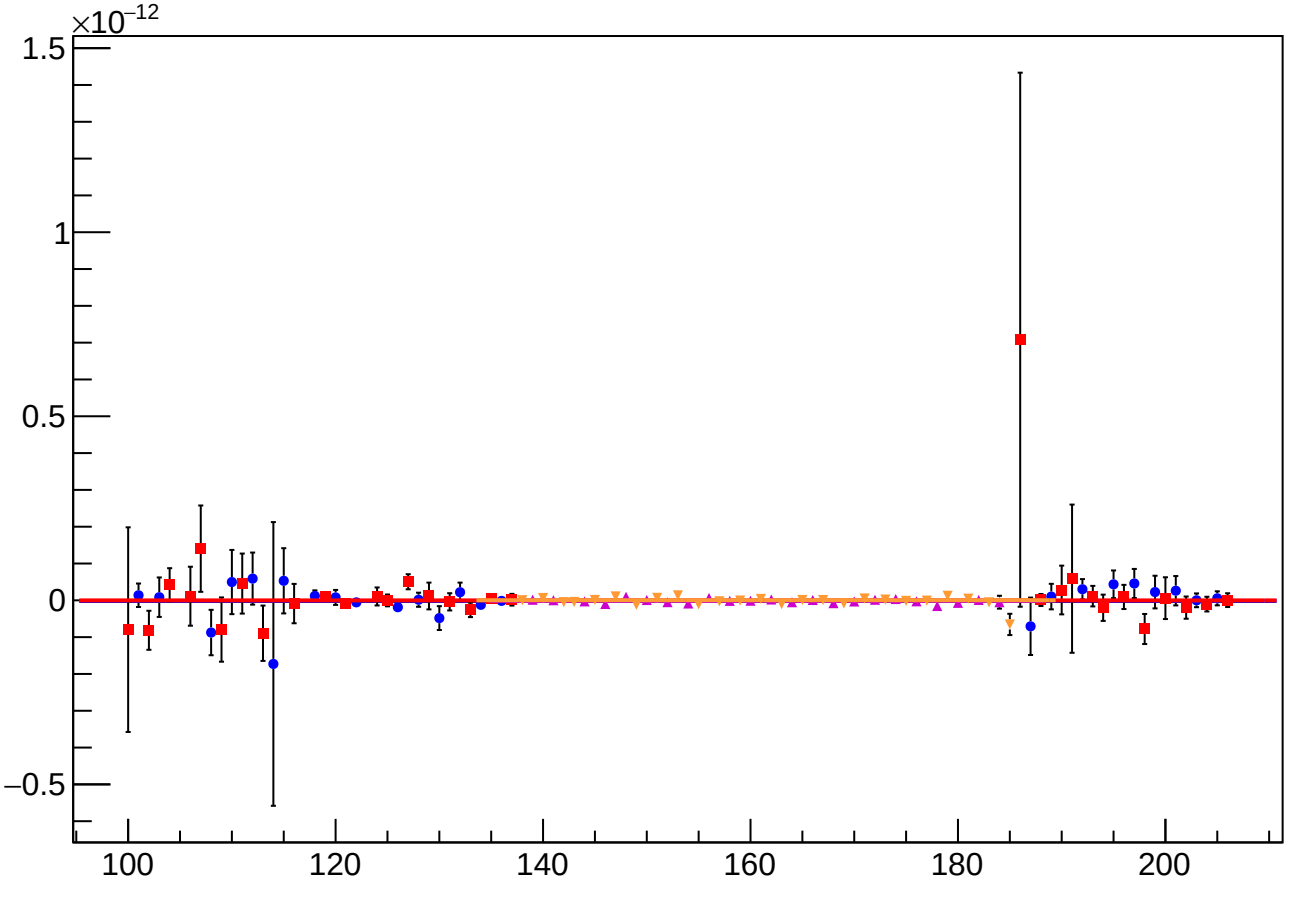
Right Out: 213.976+/-0.040 χ^2/NDF: 4610441.7/30

Left In: 132.342+/-0.022 χ^2/NDF:1277761.6/22

+ sign 149.508+/-0.020 χ^2/NDF: 7747282.6/49

All: 150.498+/-0.014 χ^2/NDF: 16767769.8/10

- sign 151.493+/-0.020 χ^2/NDF: 9015325.7/53



Right In: -0.000+/-0.000 χ^2/NDF: 17.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:32.2/24

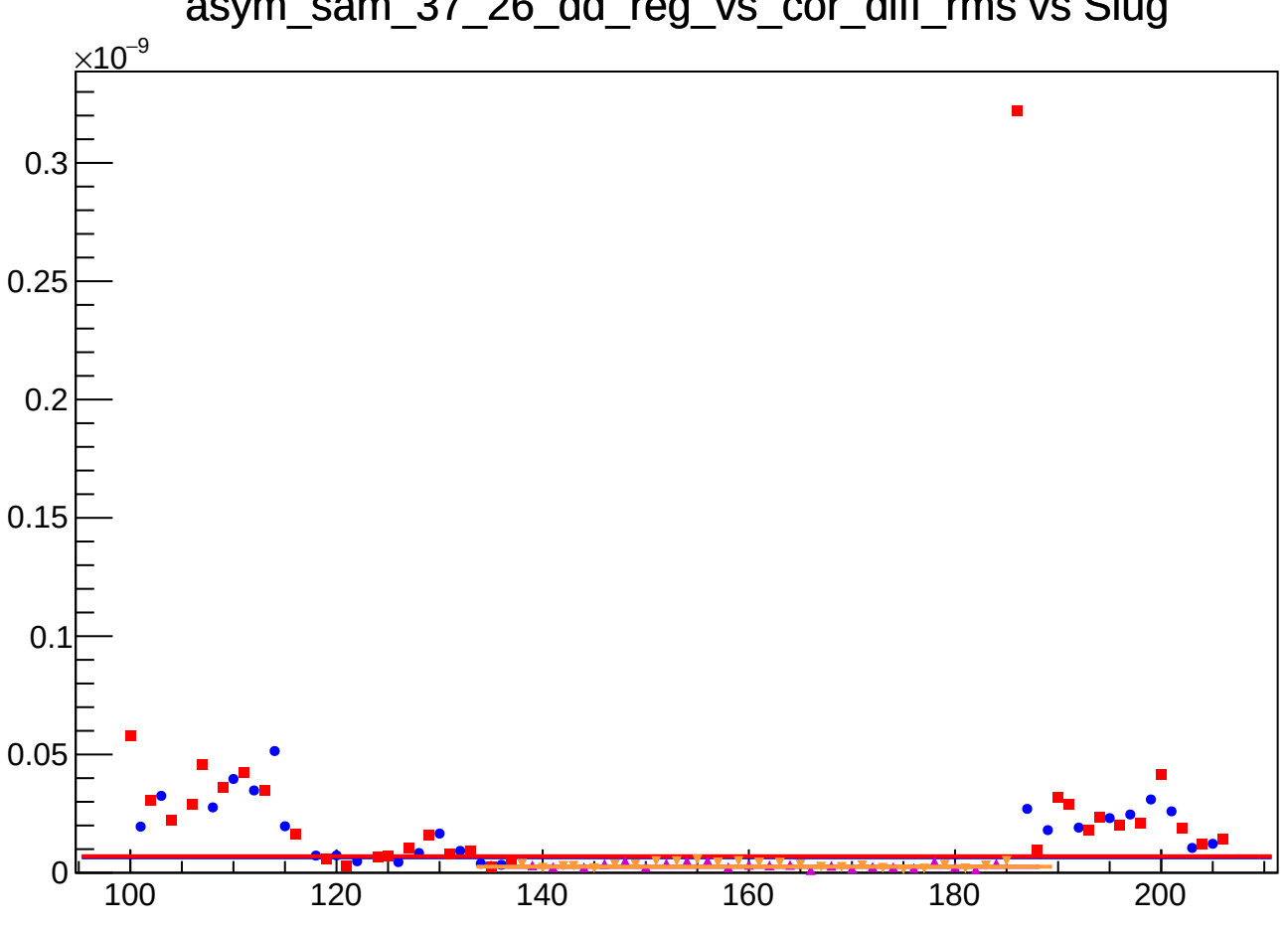
Right Out: -0.000+/-0.000 χ^2/NDF: 24.2/30

Left In: -0.000+/-0.000 χ^2/NDF:14.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 50.4/49

All: -0.000+/-0.000 χ^2/NDF: 90.5/103

- sign -0.000+/-0.000 χ^2/NDF: 39.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 5836189.2/24

Left Out: 0.000+/-0.000 χ^2/NDF:2174042.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7235371.5/30

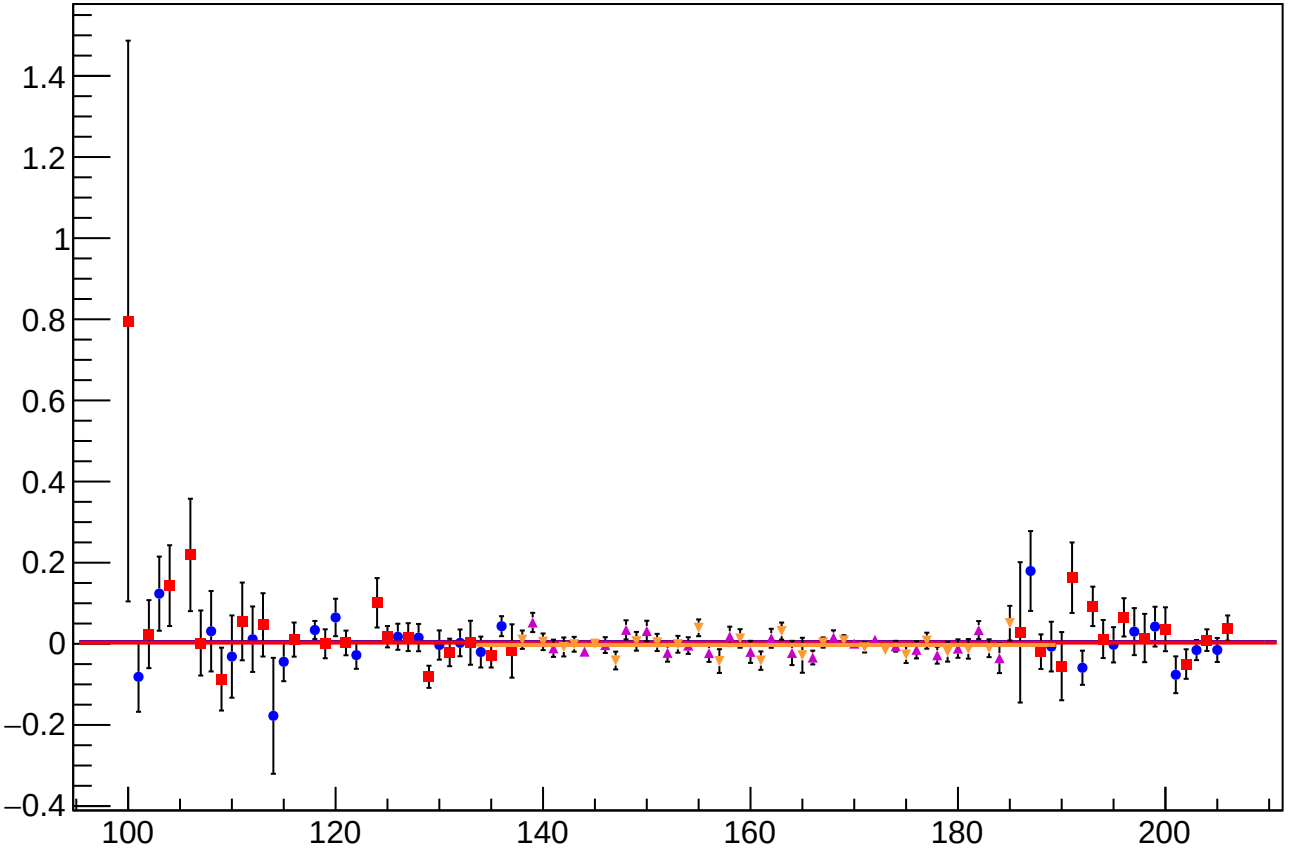
Left In: 0.000+/-0.000 χ^2/NDF:1530752.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 10477472.2/49

All: 0.000+/-0.000 χ^2/NDF: 22126851.0/103

- sign 0.000+/-0.000 χ^2/NDF: 11649119.7/53

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs Slug



Right In: 0.004+/-0.008 χ^2/NDF: 23.7/24

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.003+/-0.008 χ^2/NDF: 35.5/30

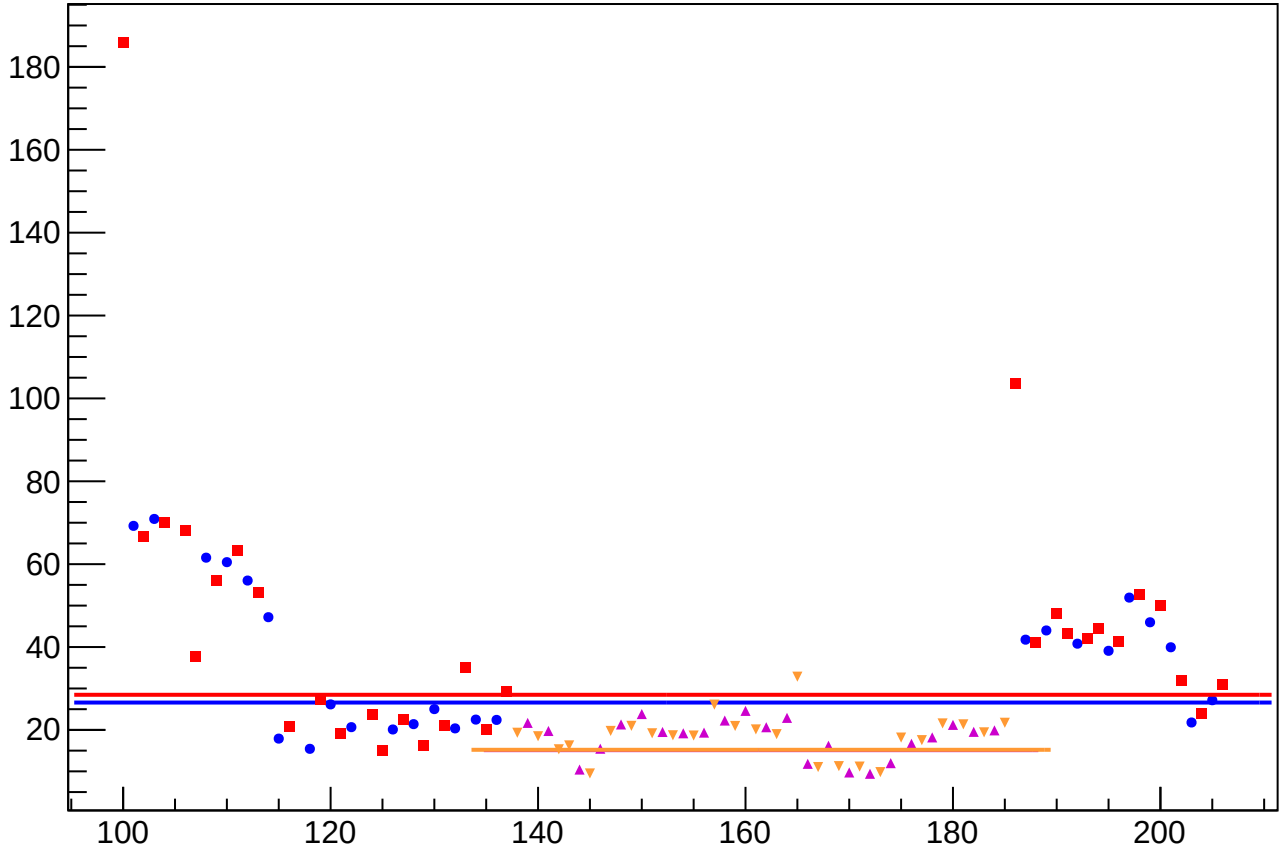
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.002+/-0.003 χ^2/NDF: 47.0/49

All: -0.001+/-0.002 χ^2/NDF: 109.8/103

- sign -0.001+/-0.003 χ^2/NDF: 62.8/53

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs Slug



Right In: 26.604+/-0.006 χ^2/NDF: 4196845.1/24

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

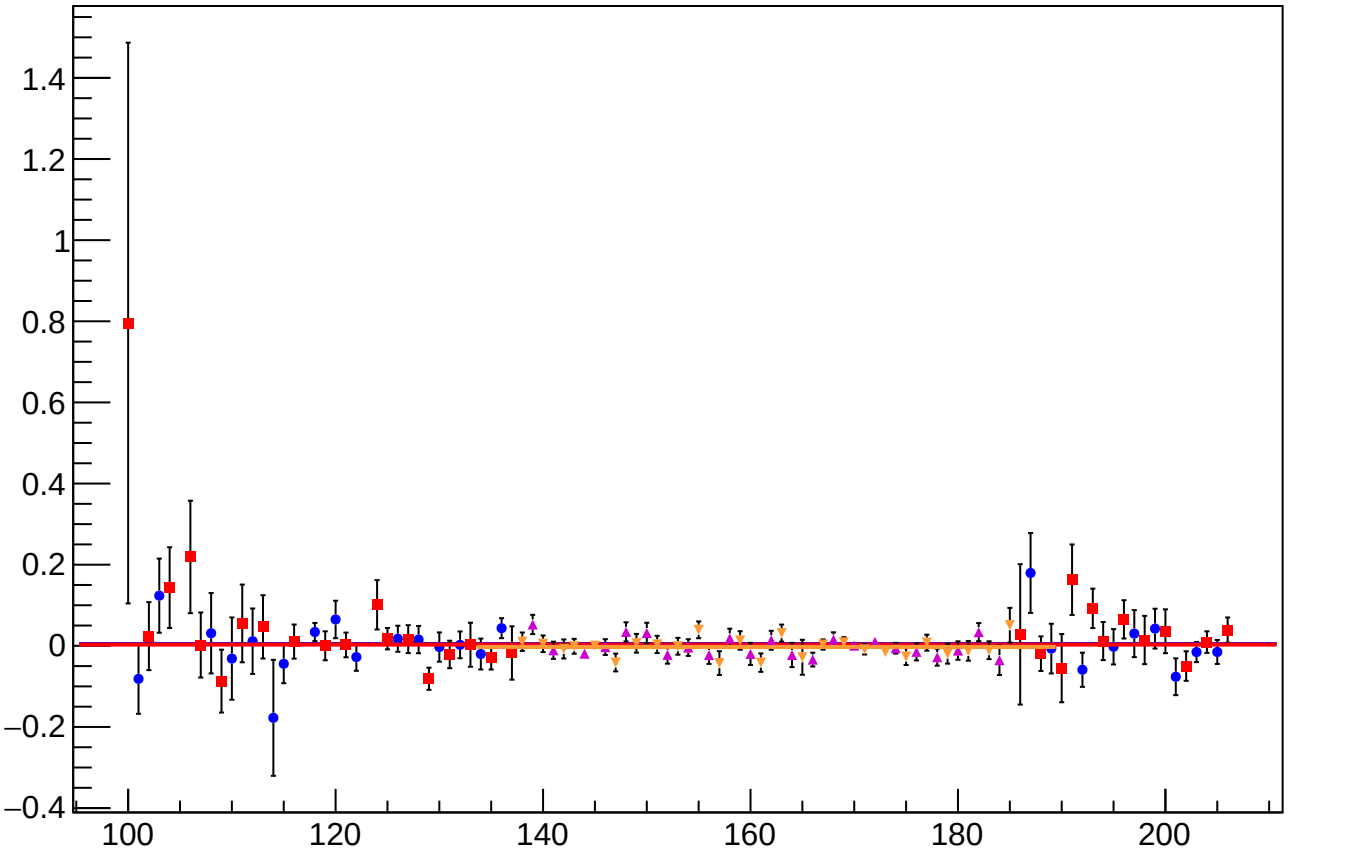
Right Out: 28.477+/-0.006 χ^2/NDF: 5315840.1/30

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.228+/-0.002 χ^2/NDF: 11005220.4/49

All: 17.426+/-0.002 χ^2/NDF: 24335410.1/103

- sign 17.634+/-0.002 χ^2/NDF: 13315929.0/53



Right In: 0.004+/-0.008 χ^2/NDF: 23.7/24

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.003+/-0.008 χ^2/NDF: 35.5/30

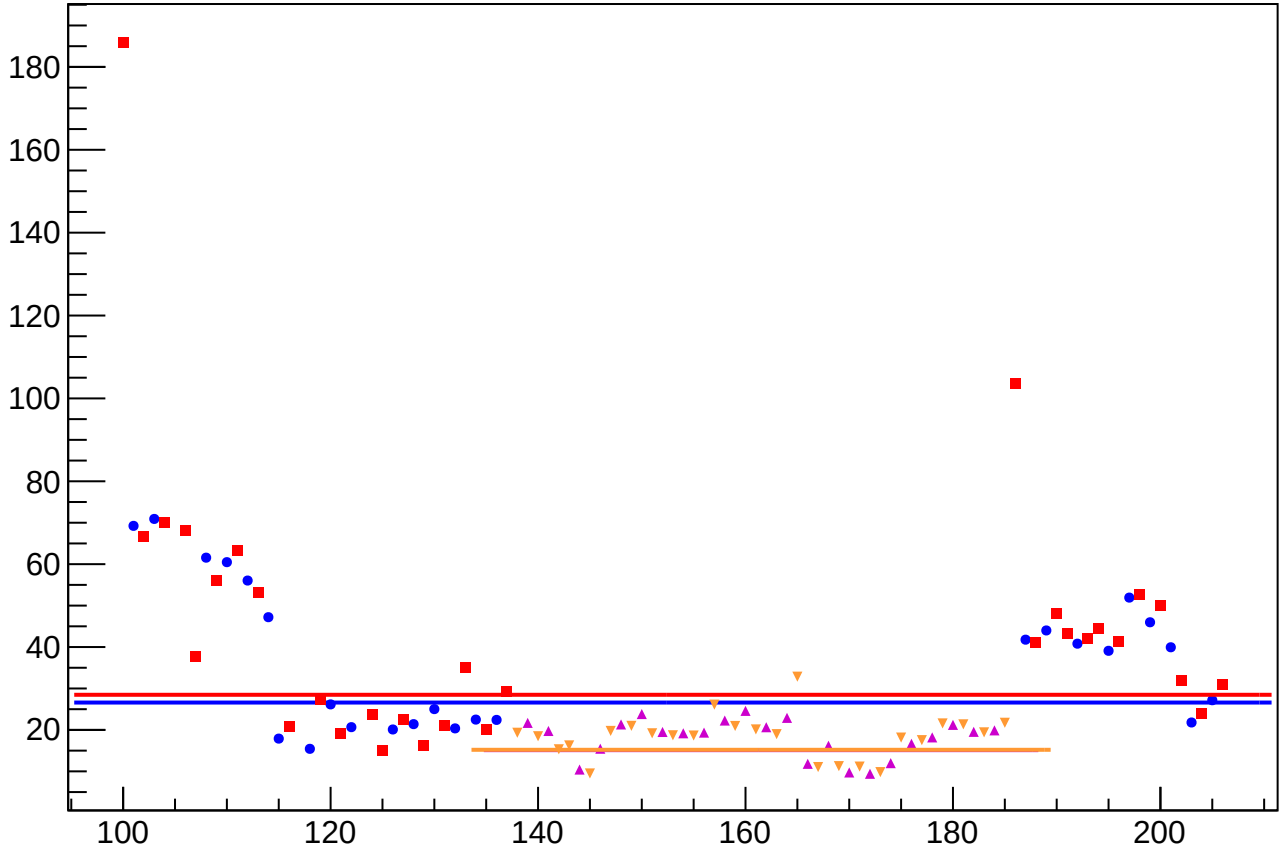
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.002+/-0.003 χ^2/NDF: 47.0/49

All: -0.001+/-0.002 χ^2/NDF: 109.8/103

- sign -0.001+/-0.003 χ^2/NDF: 62.8/53

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 26.604+/-0.006 χ^2/NDF: 4196845.1/24

Left Out: 15.202+/-0.003 χ^2/NDF:3441921.2/24

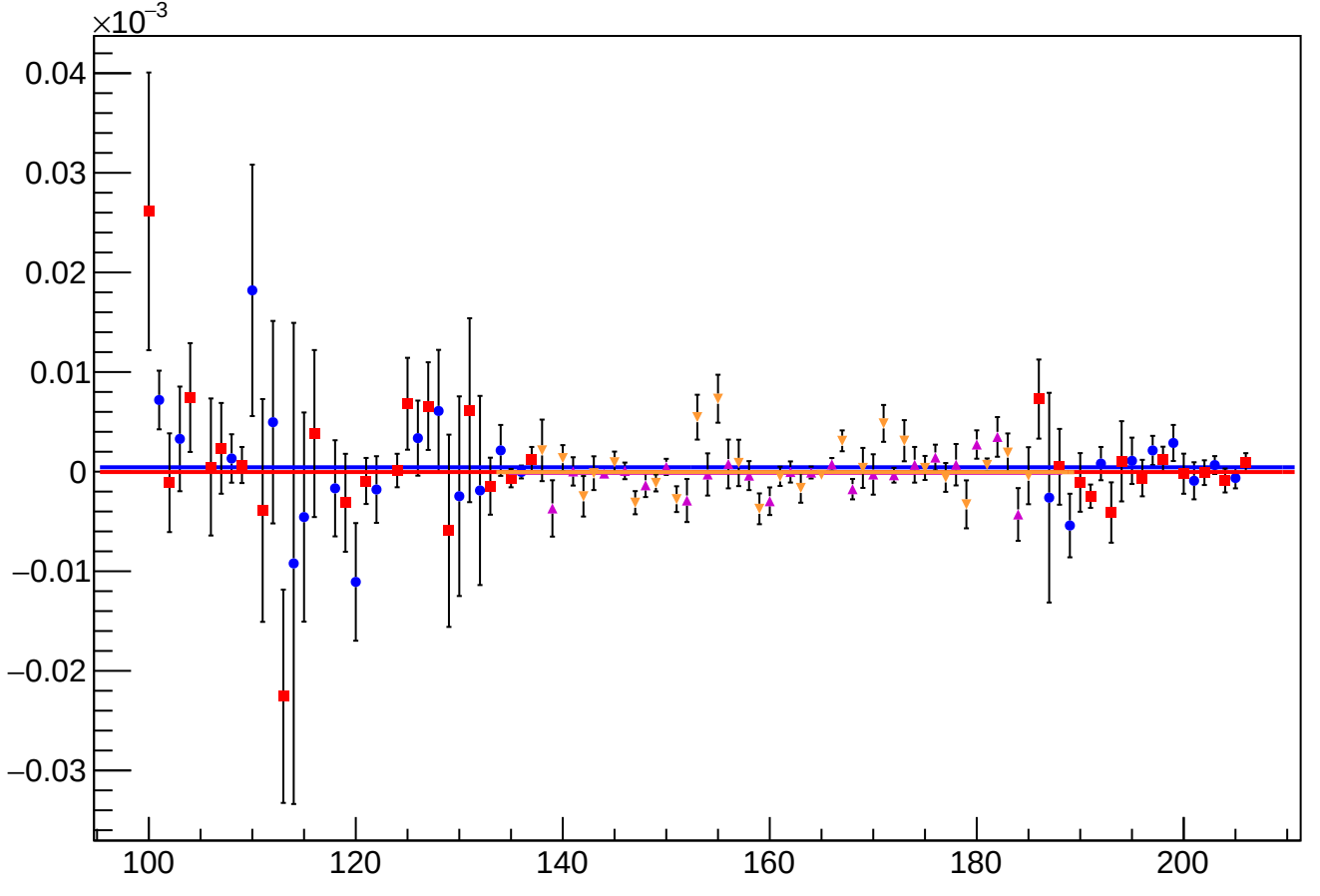
Right Out: 28.477+/-0.006 χ^2/NDF: 5315840.1/30

Left In: 15.116+/-0.003 χ^2/NDF:3402288.3/22

+ sign 17.228+/-0.002 χ^2/NDF: 11005220.4/49

All: 17.426+/-0.002 χ^2/NDF: 24335410.1/103

- sign 17.634+/-0.002 χ^2/NDF: 13315929.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 23.6/24

Left Out: -0.000+/-0.000 χ^2/NDF:62.8/24

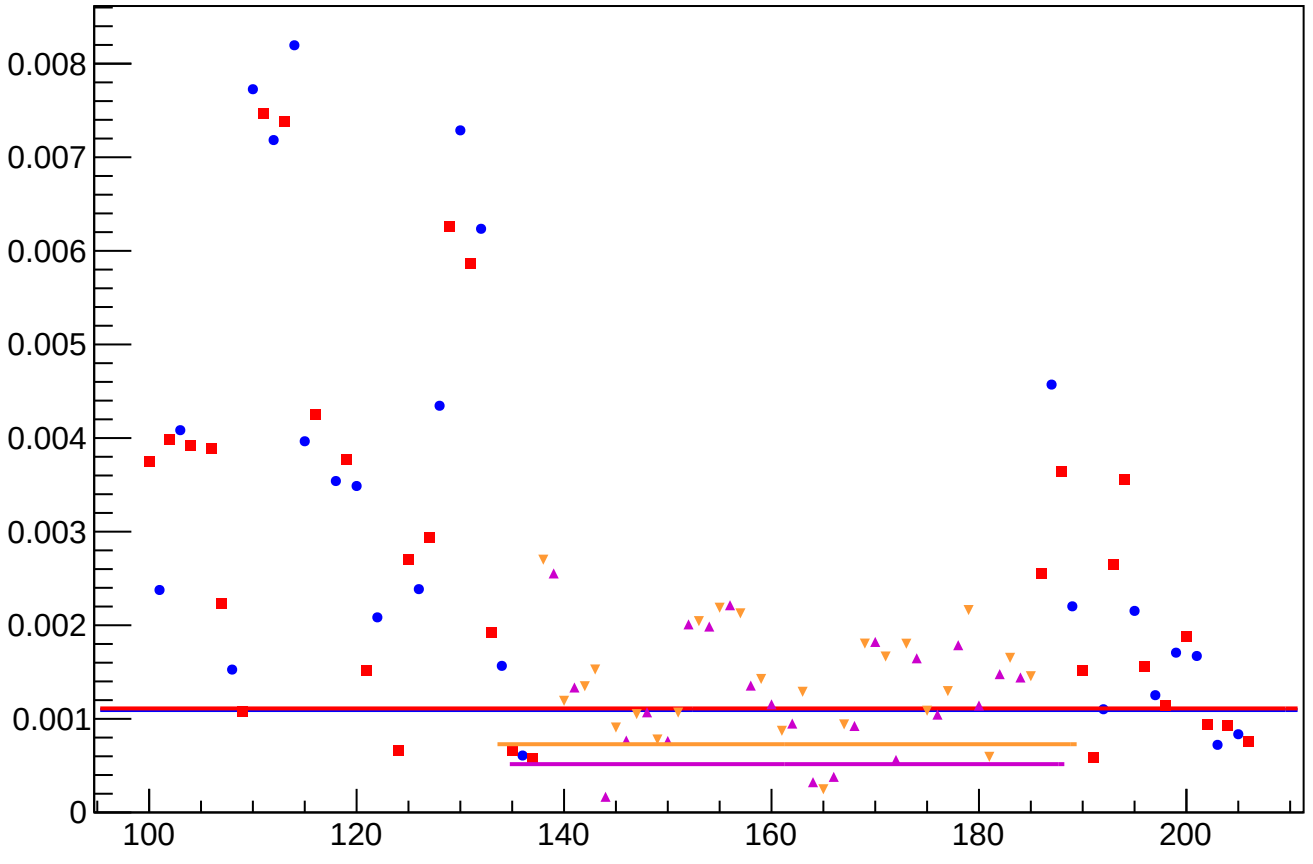
Right Out: -0.000+/-0.000 χ^2/NDF: 30.4/30

Left In: -0.000+/-0.000 χ^2/NDF:25.5/22

+ sign 0.000+/-0.000 χ^2/NDF: 87.8/49

All: -0.000+/-0.000 χ^2/NDF: 144.2/103

- sign -0.000+/-0.000 χ^2/NDF: 56.0/53



Right In: 0.001+/-0.000 χ^2/NDF: 8834936.1/24

Left Out: 0.001+/-0.000 χ^2/NDF:13120515.6/24

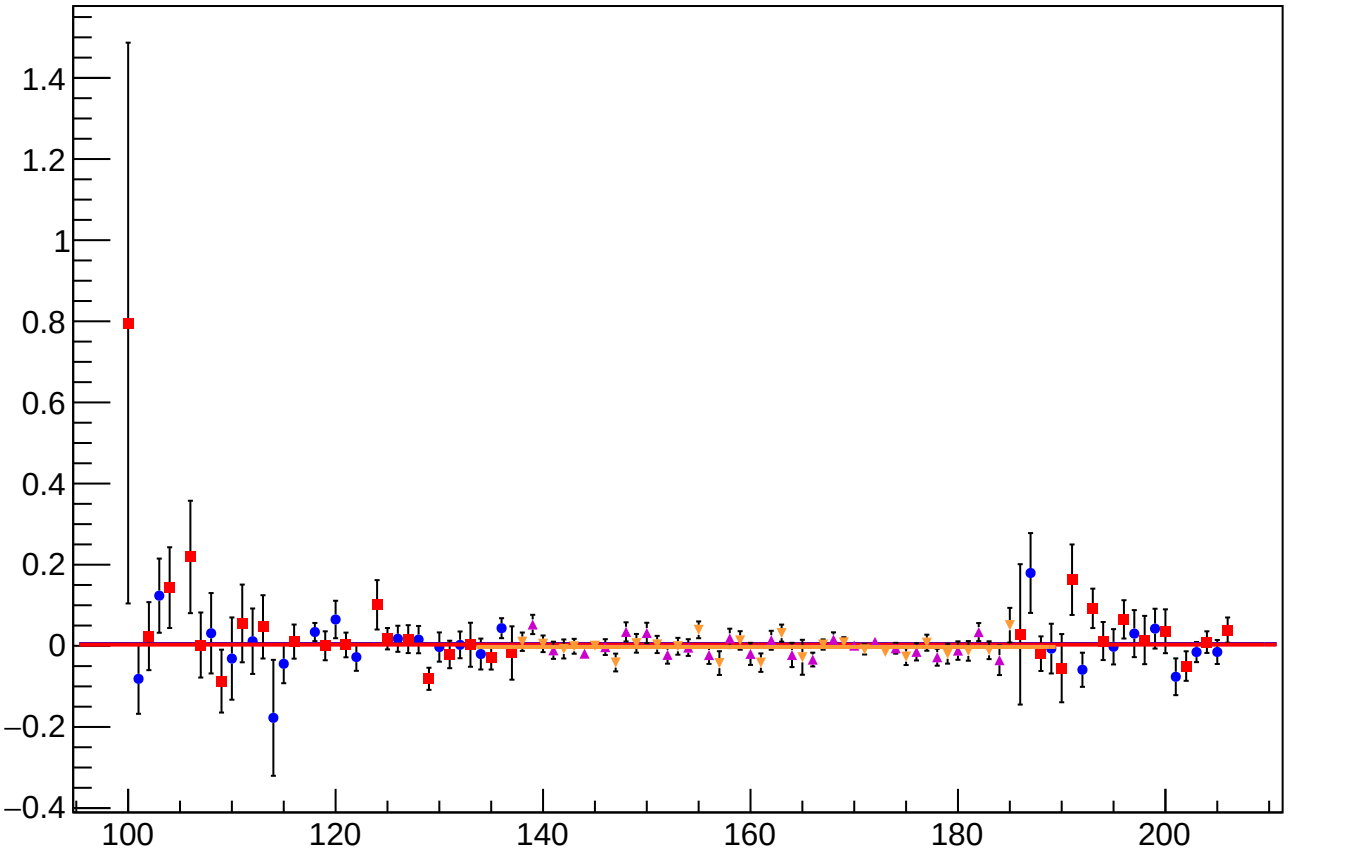
Right Out: 0.001+/-0.000 χ^2/NDF: 10399281.3/30

Left In: 0.001+/-0.000 χ^2/NDF:15027708.0/22

+ sign 0.001+/-0.000 χ^2/NDF: 23396540.7/49

All: 0.001+/-0.000 χ^2/NDF: 54462359.3/103

- sign 0.001+/-0.000 χ^2/NDF: 29910860.9/53



Right In: 0.004+/-0.008 χ^2/NDF: 23.7/24

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

Right Out: 0.003+/-0.008 χ^2/NDF: 35.5/30

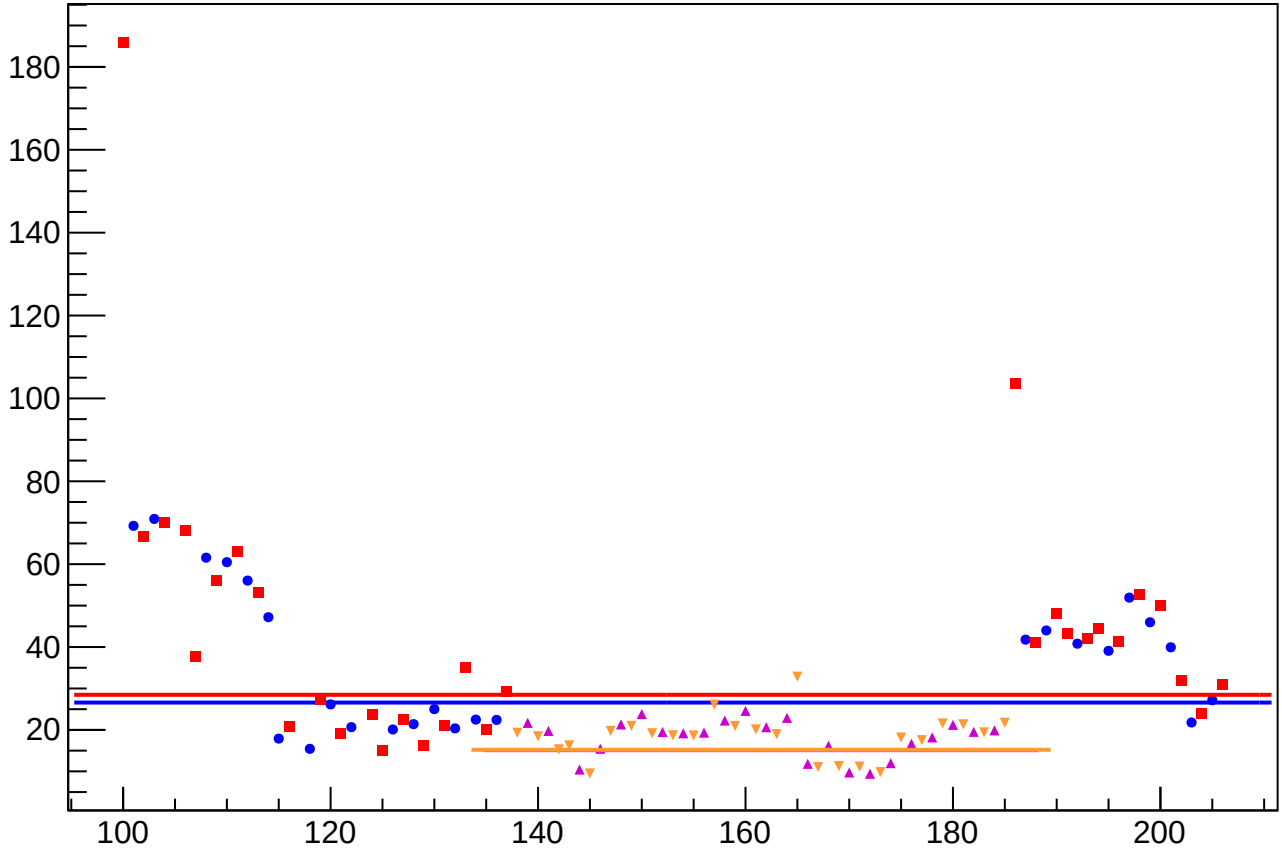
Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.002+/-0.003 χ^2/NDF: 47.0/49

All: -0.001+/-0.002 χ^2/NDF: 109.8/103

- sign -0.001+/-0.003 χ^2/NDF: 62.8/53

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs Slug



Right In: 26.603+/-0.006 χ^2/NDF: 4197159.9/24

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

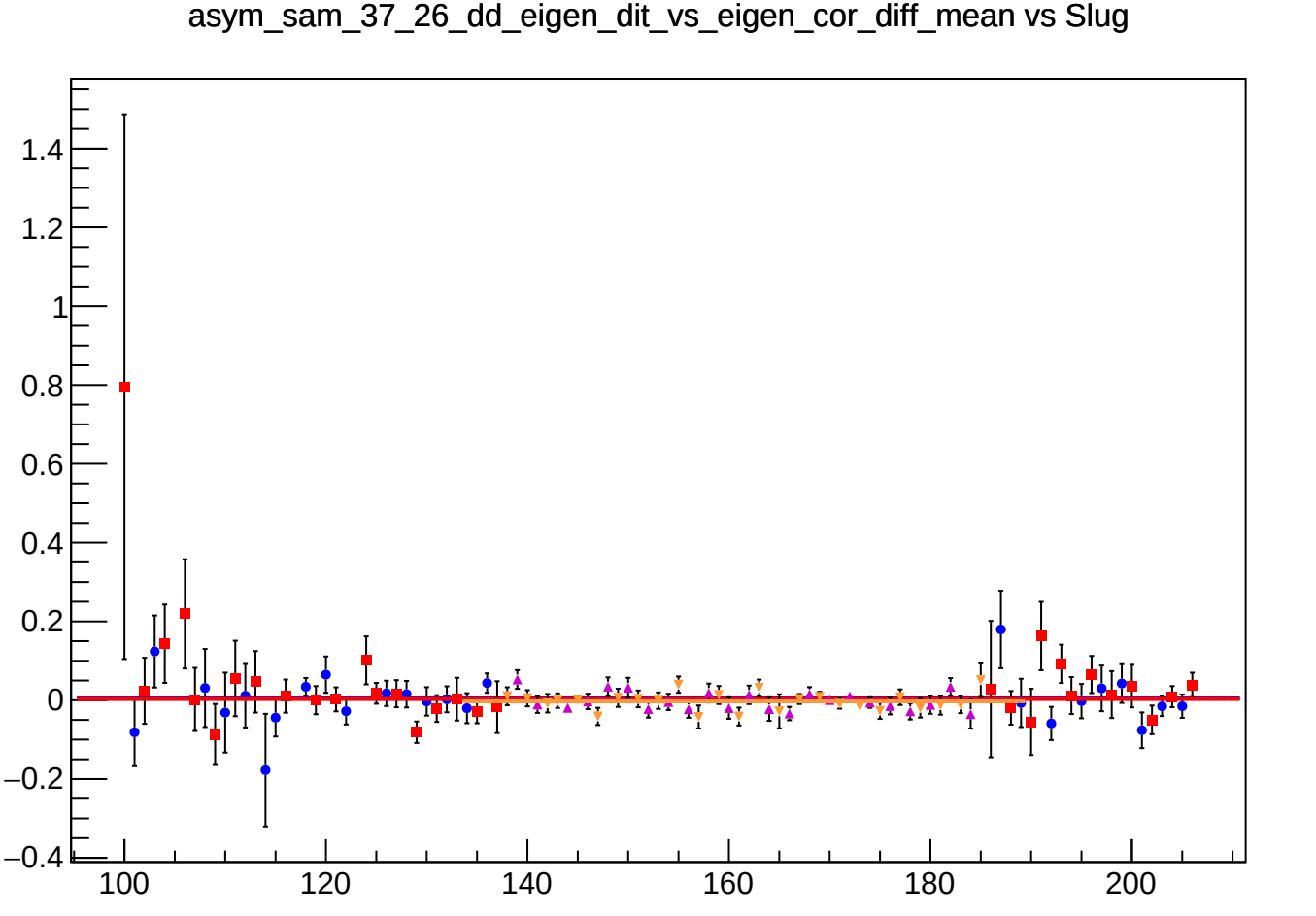
Right Out: 28.476+/-0.006 χ^2/NDF: 5316038.6/30

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.228+/-0.002 χ^2/NDF: 11005210.3/49

All: 17.426+/-0.002 χ^2/NDF: 24335429.0/103

- sign 17.634+/-0.002 χ^2/NDF: 13315951.0/53



Right In: 0.004+/-0.008 χ^2/NDF: 23.7/24

Left Out: -0.003+/-0.004 χ^2/NDF:22.6/24

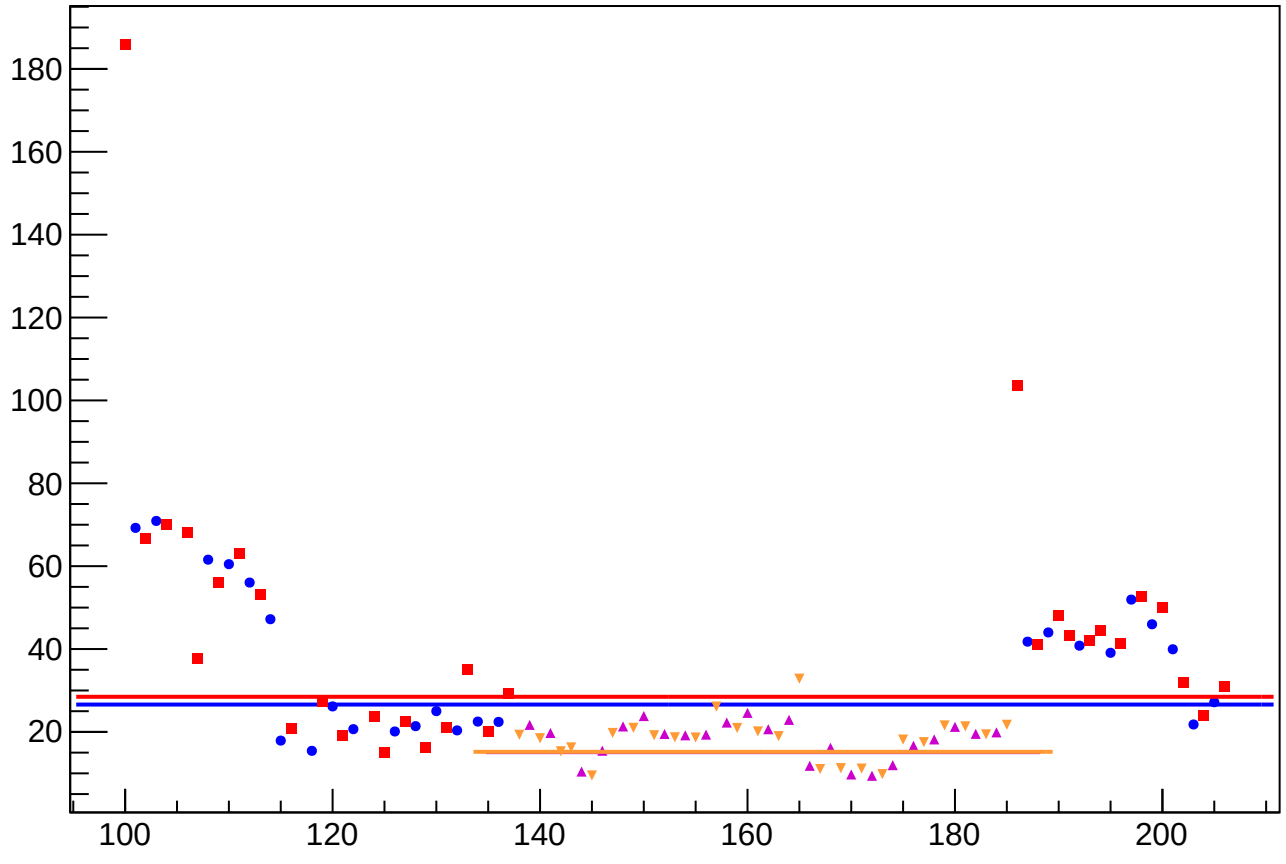
Right Out: 0.003+/-0.008 χ^2/NDF: 35.5/30

Left In: -0.002+/-0.004 χ^2/NDF:26.9/22

+ sign -0.002+/-0.003 χ^2/NDF: 47.0/49

All: -0.001+/-0.002 χ^2/NDF: 109.8/103

- sign -0.001+/-0.003 χ^2/NDF: 62.8/53



Right In: 26.603+/-0.006 χ^2/NDF: 4197159.9/24

Left Out: 15.202+/-0.003 χ^2/NDF:3442015.2/24

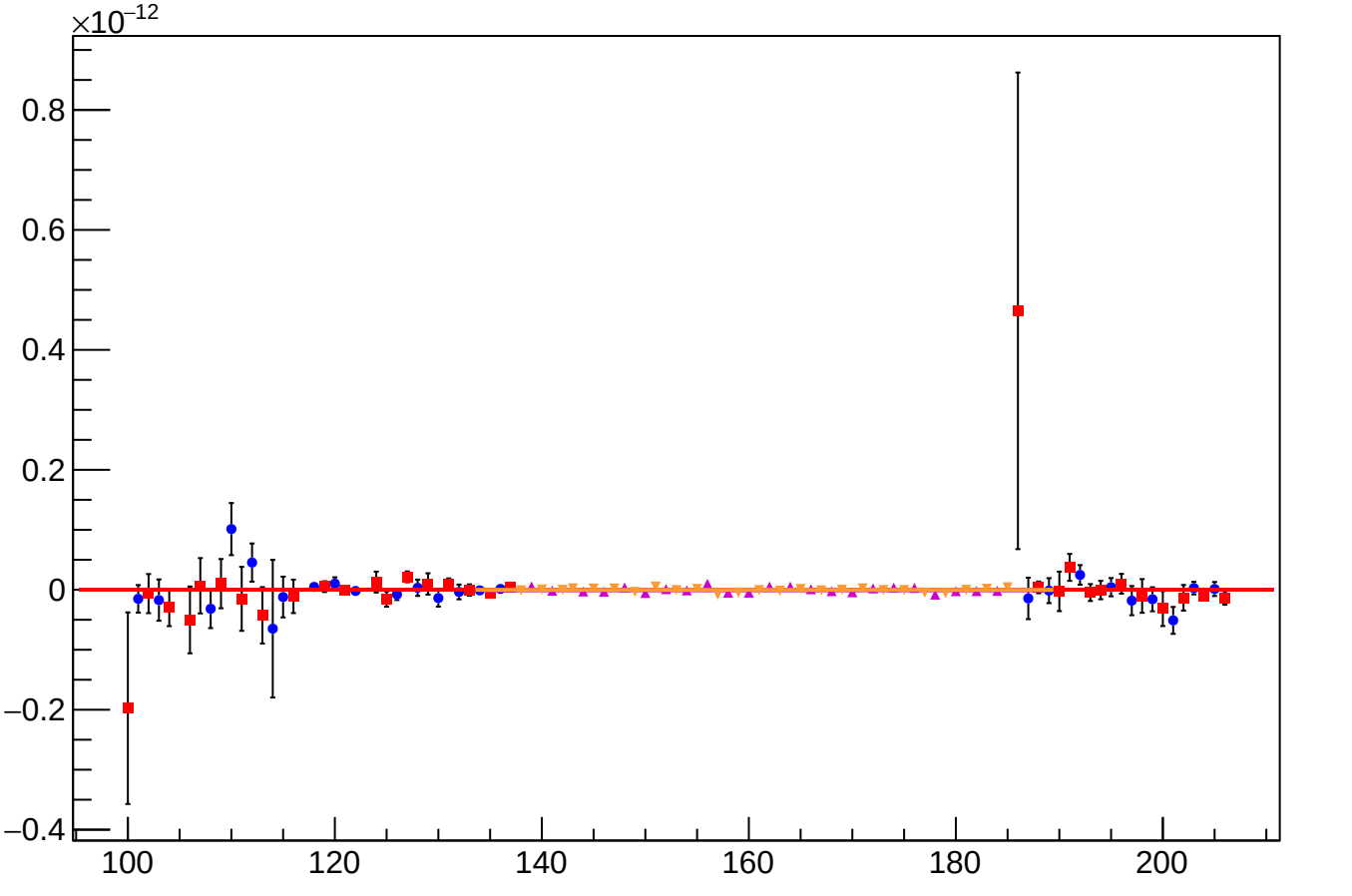
Right Out: 28.476+/-0.006 χ^2/NDF: 5316038.6/30

Left In: 15.117+/-0.003 χ^2/NDF:3402318.1/22

+ sign 17.228+/-0.002 χ^2/NDF: 11005210.3/49

All: 17.426+/-0.002 χ^2/NDF: 24335429.0/103

- sign 17.634+/-0.002 χ^2/NDF: 13315951.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 21.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:21.4/24

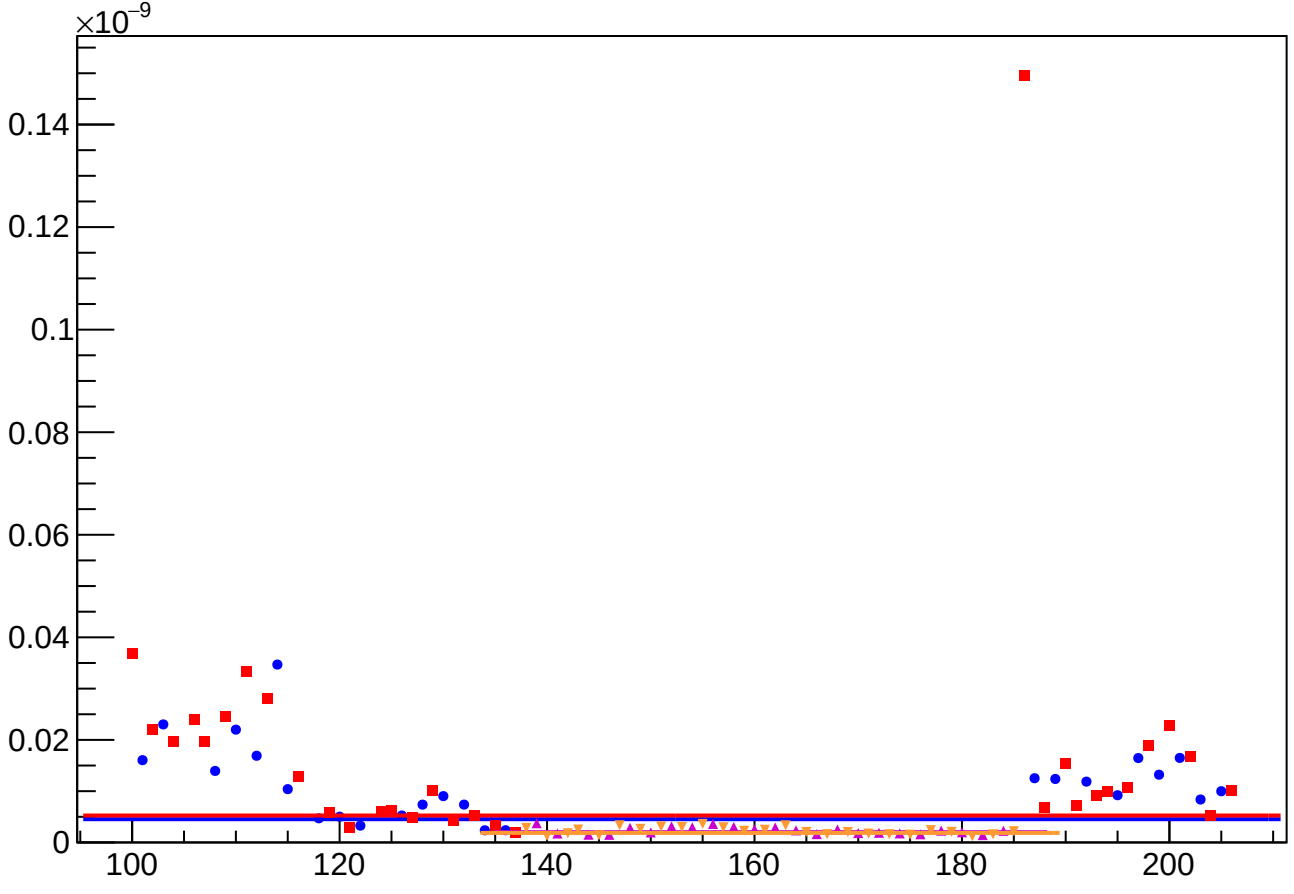
Right Out: 0.000+/-0.000 χ^2/NDF: 25.9/30

Left In: -0.000+/-0.000 χ^2/NDF:39.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 43.4/49

All: -0.000+/-0.000 χ^2/NDF: 109.5/103

- sign -0.000+/-0.000 χ^2/NDF: 65.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 7084770.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2645485.0/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8126162.3/30

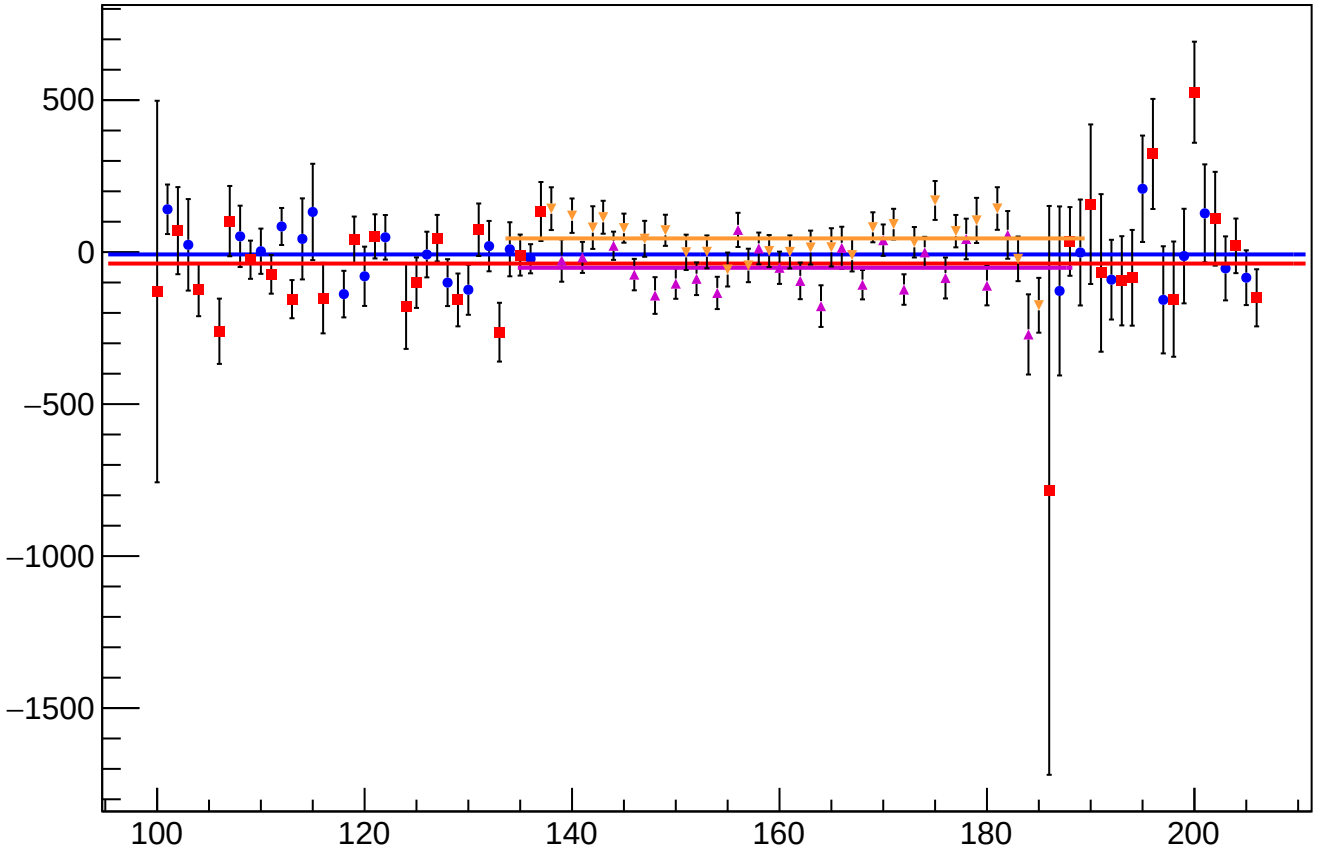
Left In: 0.000+/-0.000 χ^2/NDF:1948585.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 13324889.2/49

All: 0.000+/-0.000 χ^2/NDF: 28183973.0/103

- sign 0.000+/-0.000 χ^2/NDF: 14729548.3/53

reg_asym_sam_1357_avg_mean vs Slug



Right In: -7.618+/-18.370 χ^2/NDF: 19.1/24

Left Out: 45.093+/-11.495 χ^2/NDF:31.3/24

Right Out: -37.686+/-17.770 χ^2/NDF: 50.2/30

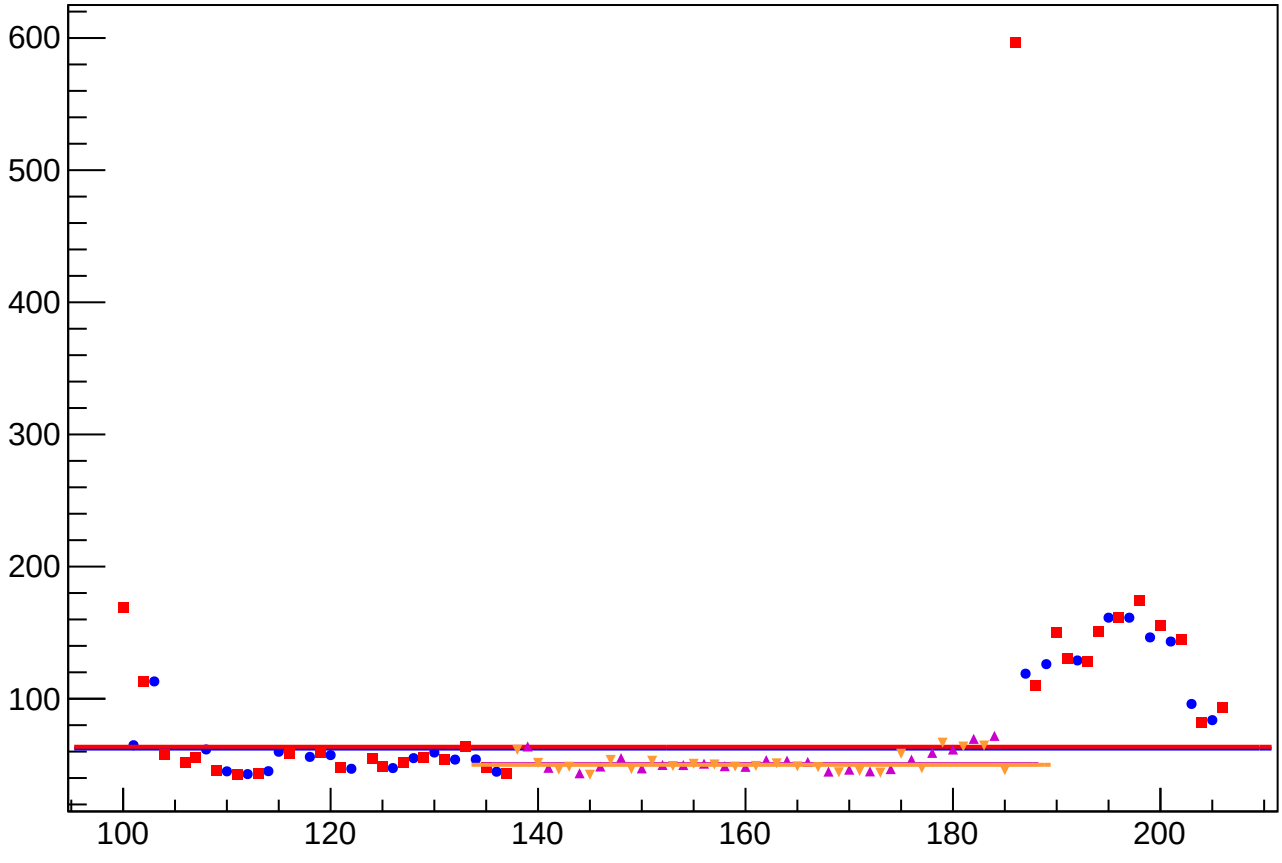
Left In: -51.616+/-11.929 χ^2/NDF:35.9/22

+ sign 30.261+/-9.744 χ^2/NDF: 56.4/49

All: -7.883+/-6.946 χ^2/NDF: 174.0/103

- sign -47.289+/-9.904 χ^2/NDF: 86.5/53

reg_asym_sam_1357_avg_rms vs Slug



Right In: 62.294+/-0.013 χ^2/NDF: 4630752.4/24

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

Right Out: 63.667+/-0.013 χ^2/NDF: 6445646.7/30

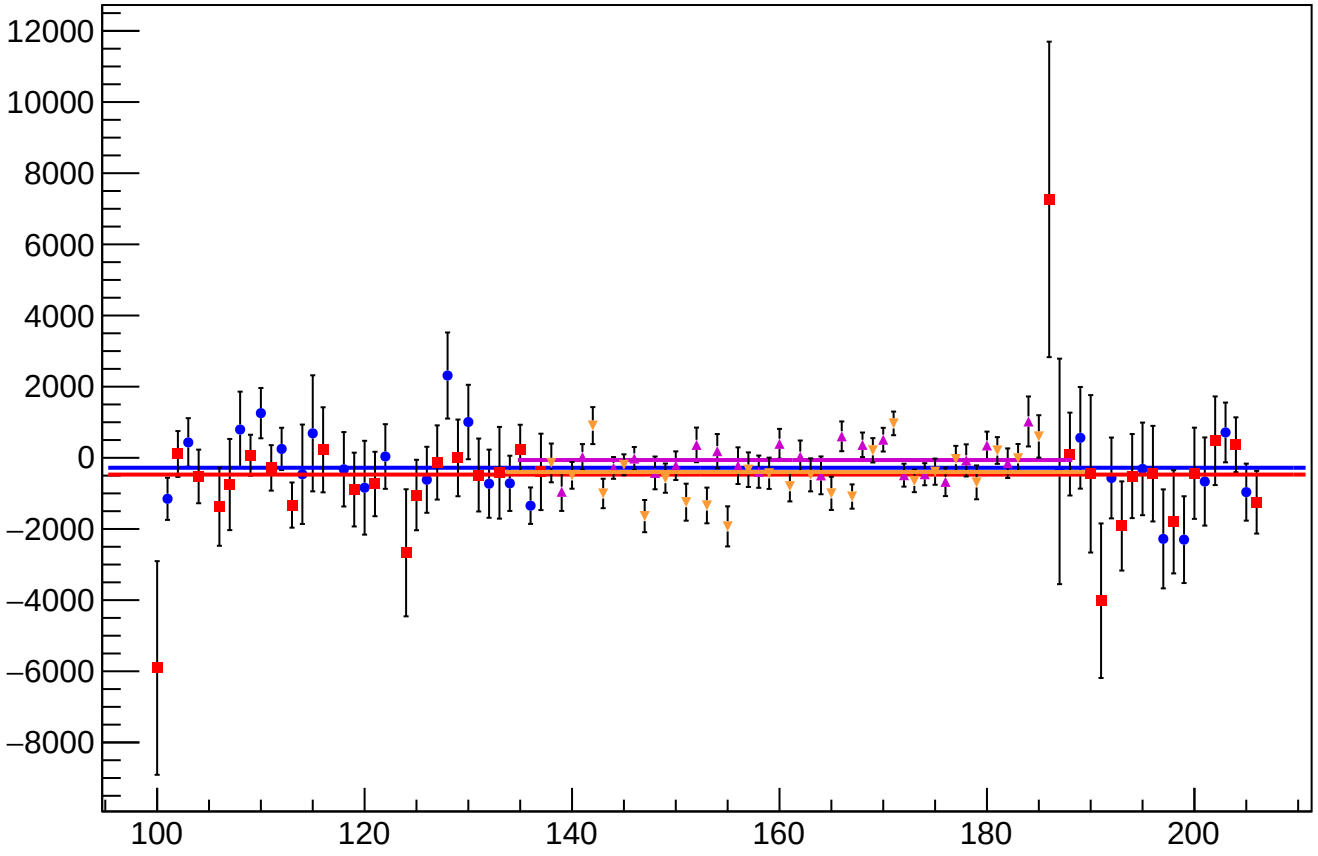
Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 53.474+/-0.007 χ^2/NDF: 5781375.7/49

All: 54.027+/-0.005 χ^2/NDF: 13499124.3/103

- sign 54.599+/-0.007 χ^2/NDF: 7704651.2/53

asym_sam_1357_avg_reg_correction_mean vs Slug



Right In: -279.289+/-181.426 χ^2/NDF: 29.0/24

Left Out: -399.363+/-82.064 χ^2/NDF:65.4/24

Right Out: -471.057+/-177.168 χ^2/NDF: 22.0/30

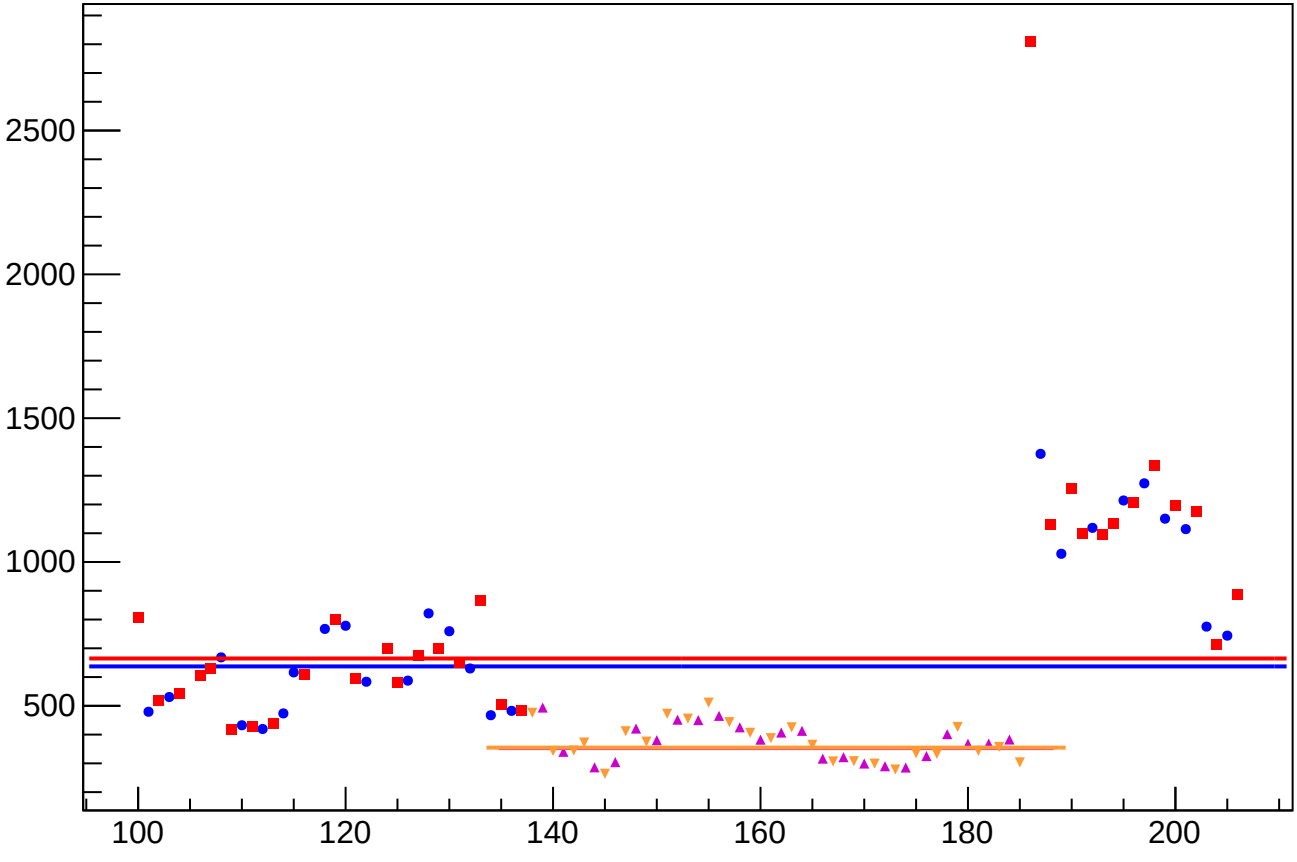
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -378.969+/-74.770 χ^2/NDF: 94.8/49

All: -259.649+/-53.238 χ^2/NDF: 150.2/103

- sign -136.951+/-75.822 χ^2/NDF: 50.3/53

asym_sam_1357_avg_reg_correction_rms vs Slug



Right In: 637.040+/-0.128 χ^2/NDF: 3243999.1/24

Left Out: 354.670+/-0.058 χ^2/NDF:1145465.6/24

Right Out: 664.632+/-0.125 χ^2/NDF: 4483738.6/30

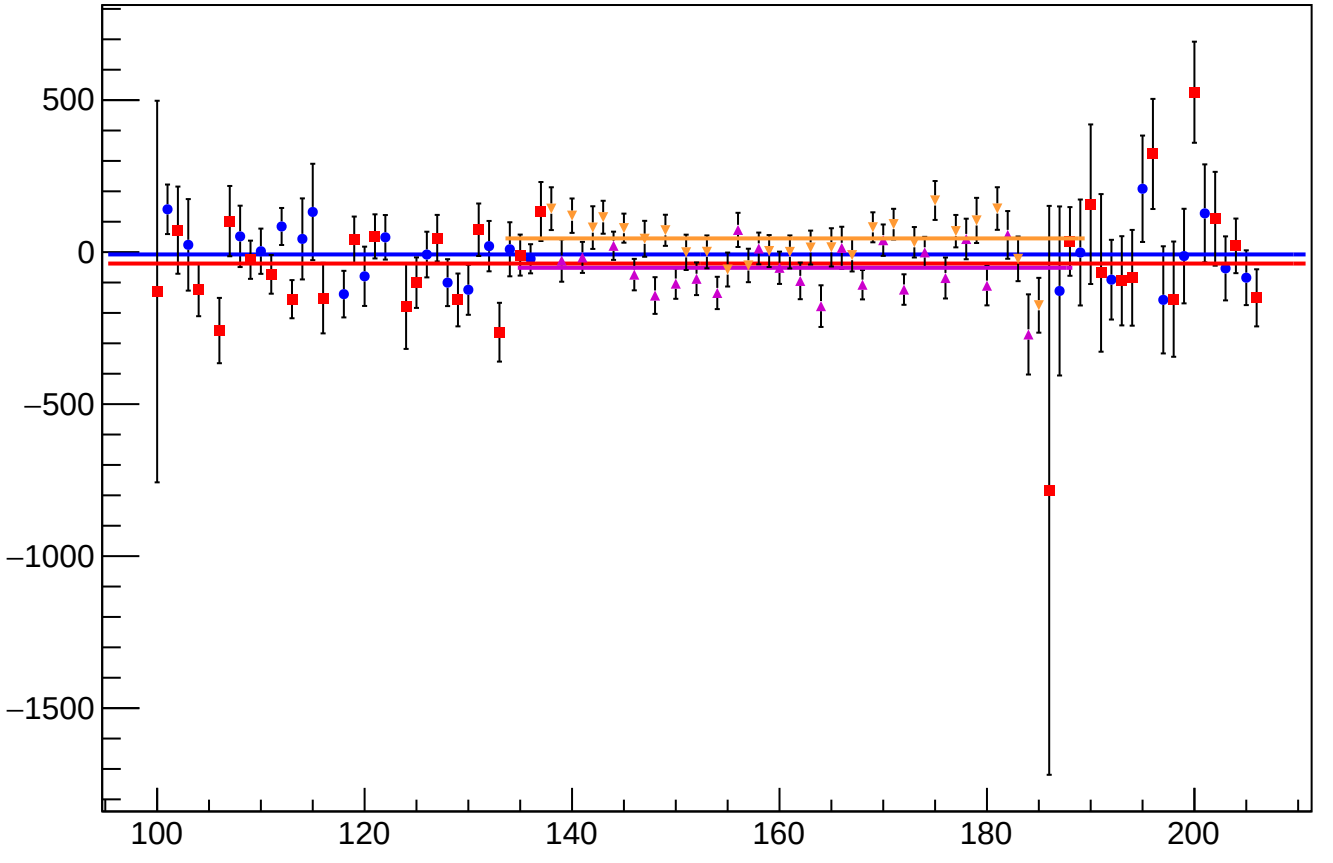
Left In: 353.110+/-0.059 χ^2/NDF:1004127.0/22

+ sign 402.630+/-0.053 χ^2/NDF: 8411325.8/49

All: 406.345+/-0.038 χ^2/NDF: 18960215.2/10

- sign 410.166+/-0.054 χ^2/NDF: 10538872.2/53

cor_asym_sam_1357_avg_mean vs Slug



Right In: -7.623+/-18.370 χ^2/NDF: 19.1/24

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -37.591+/-17.770 χ^2/NDF: 50.1/30

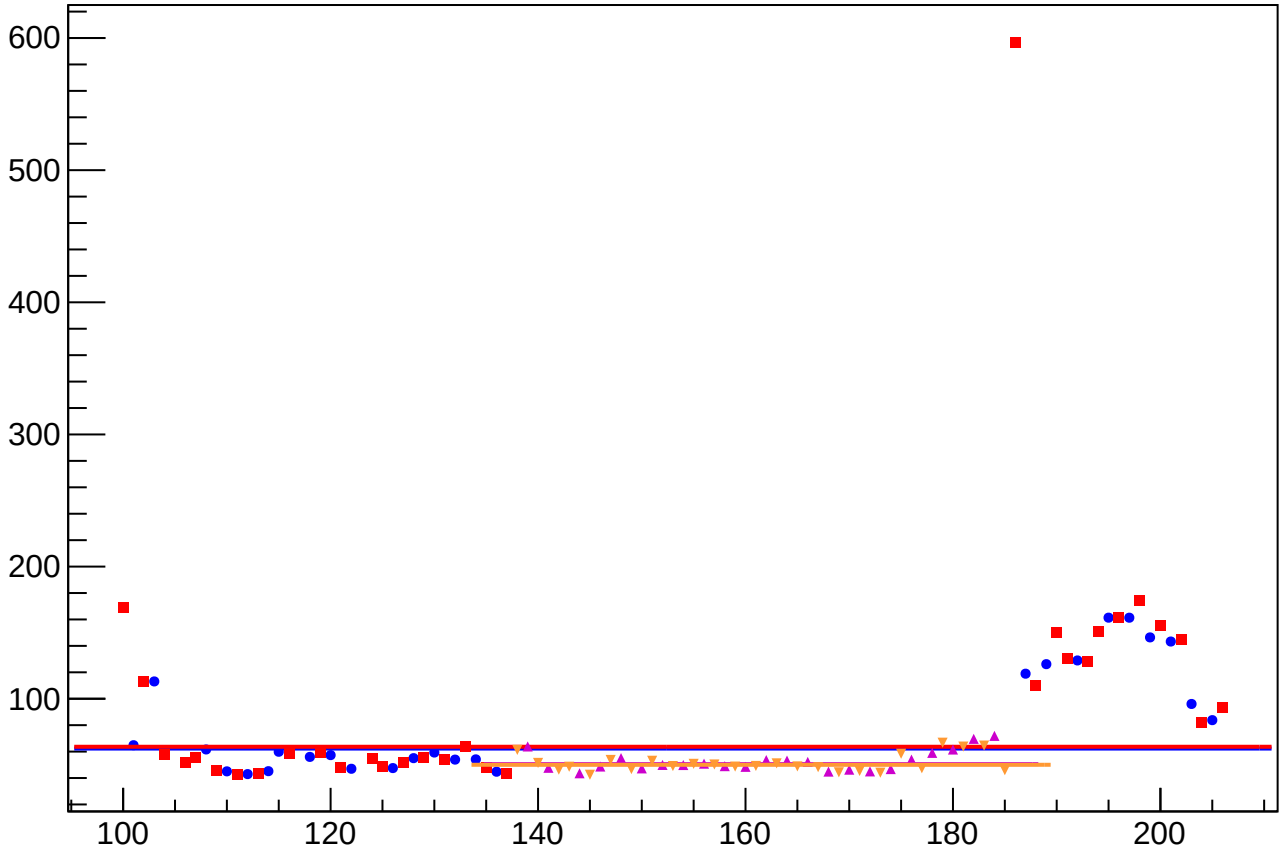
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 30.262+/-9.744 χ^2/NDF: 56.4/49

All: -7.867+/-6.946 χ^2/NDF: 173.9/103

- sign -47.259+/-9.904 χ^2/NDF: 86.4/53

cor_asym_sam_1357_avg_rms vs Slug



Right In: 62.294+/-0.013 χ^2/NDF: 4630754.8/24

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

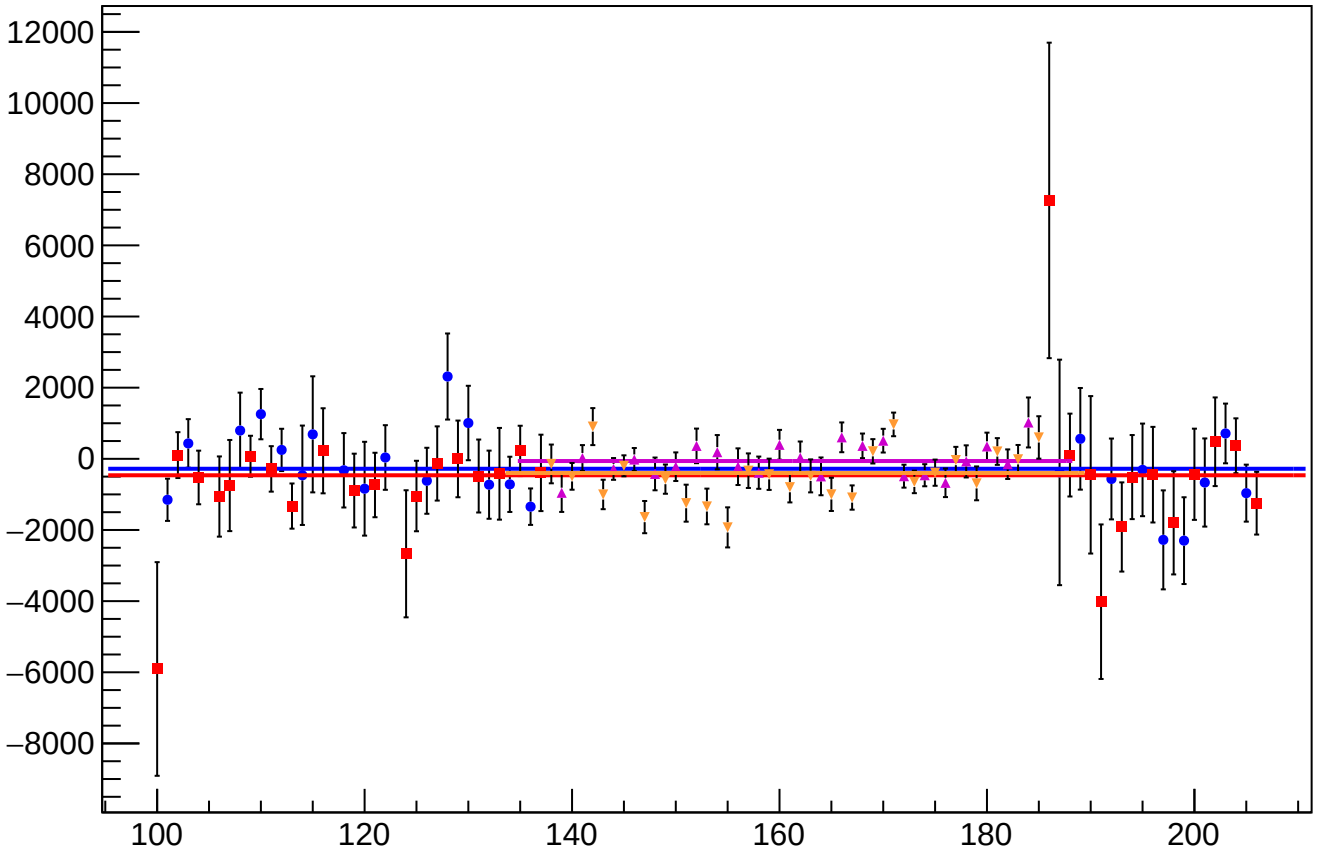
Right Out: 63.659+/-0.013 χ^2/NDF: 6447124.2/30

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 53.474+/-0.007 χ^2/NDF: 5781378.0/49

All: 54.026+/-0.005 χ^2/NDF: 13499610.5/103

- sign 54.596+/-0.007 χ^2/NDF: 7705195.2/53



Right In: -279.272+/-181.427 χ^2/NDF: 29.0/24

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

Right Out: -462.509+/-177.295 χ^2/NDF: 21.6/30

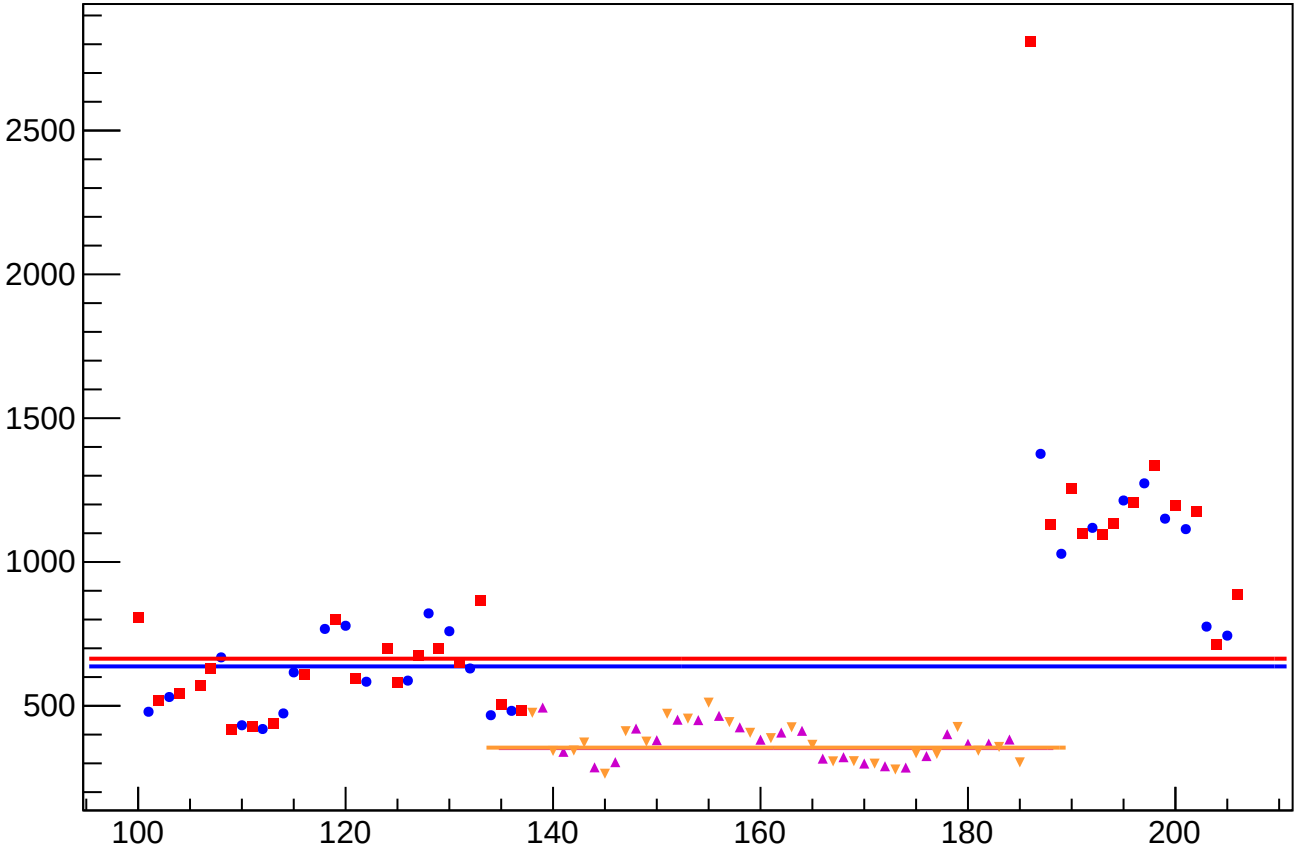
Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -378.962+/-74.770 χ^2/NDF: 94.8/49

All: -258.847+/-53.242 χ^2/NDF: 149.7/103

- sign -135.300+/-75.831 χ^2/NDF: 49.7/53

asym_sam_1357_avg_cor_correction_rms vs Slug



Right In: 637.046+/-0.128 χ^2/NDF: 3243938.5/24

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 663.888+/-0.125 χ^2/NDF: 4491054.5/30

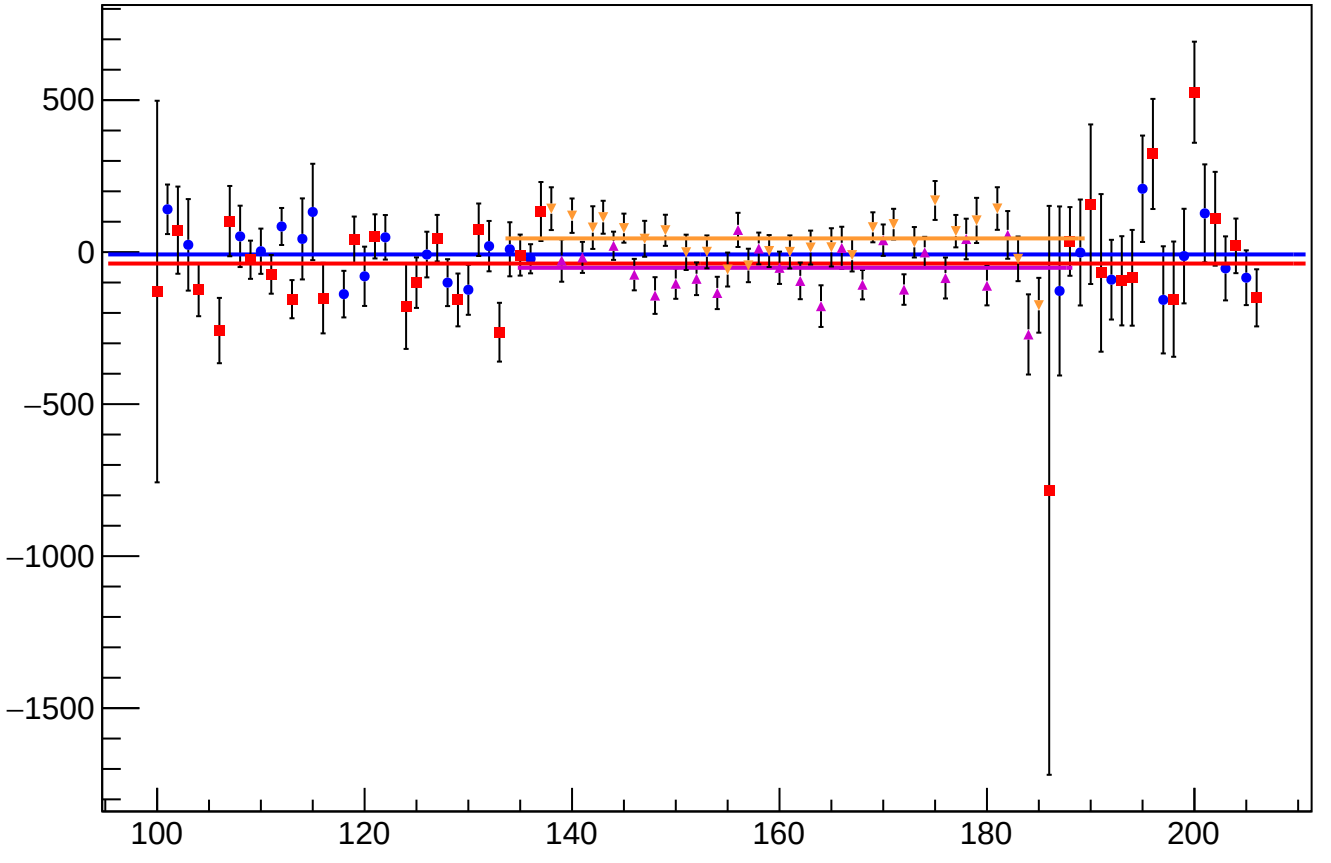
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 402.630+/-0.053 χ^2/NDF: 8411382.2/49

All: 406.245+/-0.038 χ^2/NDF: 18937086.4/10

- sign 409.963+/-0.054 χ^2/NDF: 10516220.4/53

eigen_cor_asym_sam_1357_avg_mean vs Slug



Right In: -7.623+/-18.370 χ^2/NDF: 19.1/24

Left Out: 45.096+/-11.495 χ^2/NDF:31.3/24

Right Out: -37.591+/-17.770 χ^2/NDF: 50.1/30

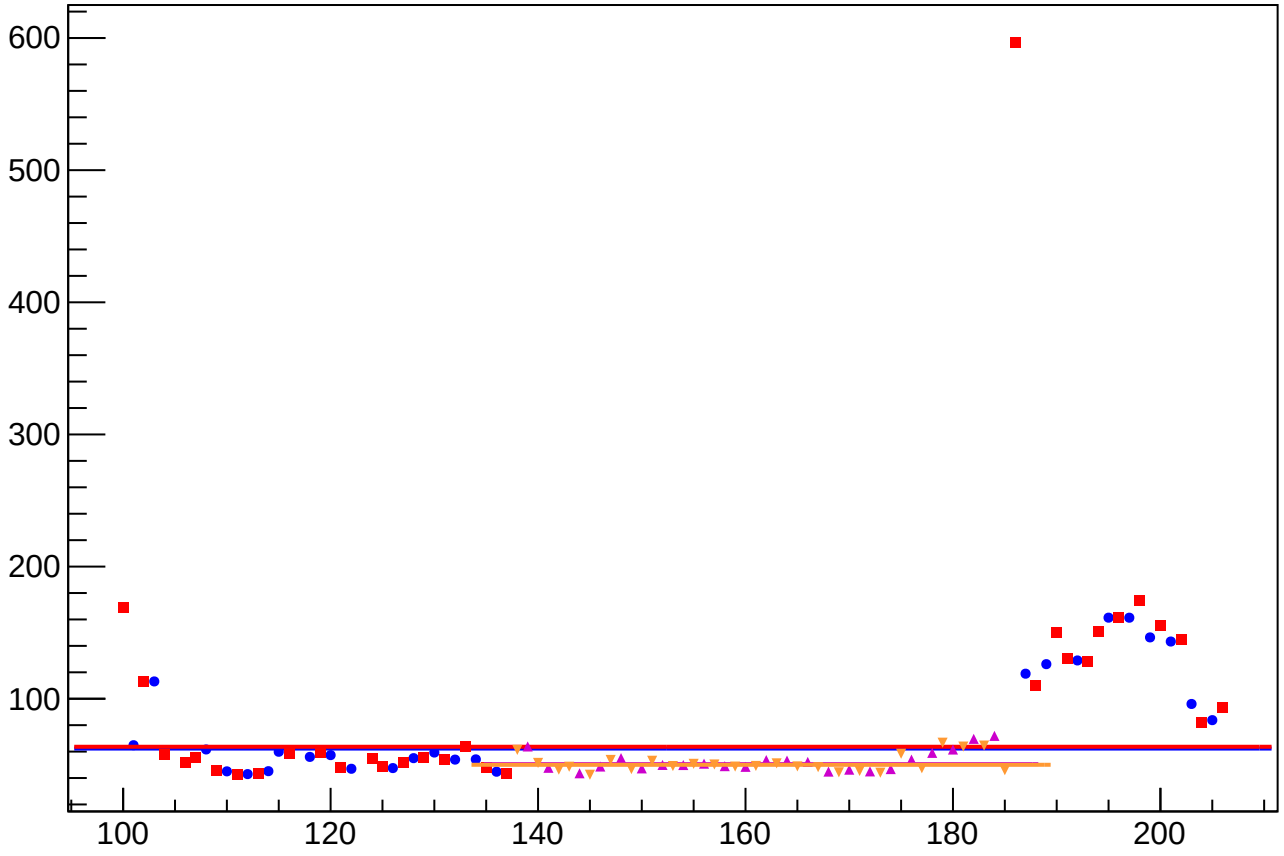
Left In: -51.616+/-11.929 χ^2/NDF:35.8/22

+ sign 30.262+/-9.744 χ^2/NDF: 56.4/49

All: -7.867+/-6.946 χ^2/NDF: 173.9/103

- sign -47.259+/-9.904 χ^2/NDF: 86.4/53

eigen_cor_asym_sam_1357_avg_rms vs Slug



Right In: 62.294+/-0.013 χ^2/NDF: 4630754.8/24

Left Out: 50.021+/-0.008 χ^2/NDF:509100.0/24

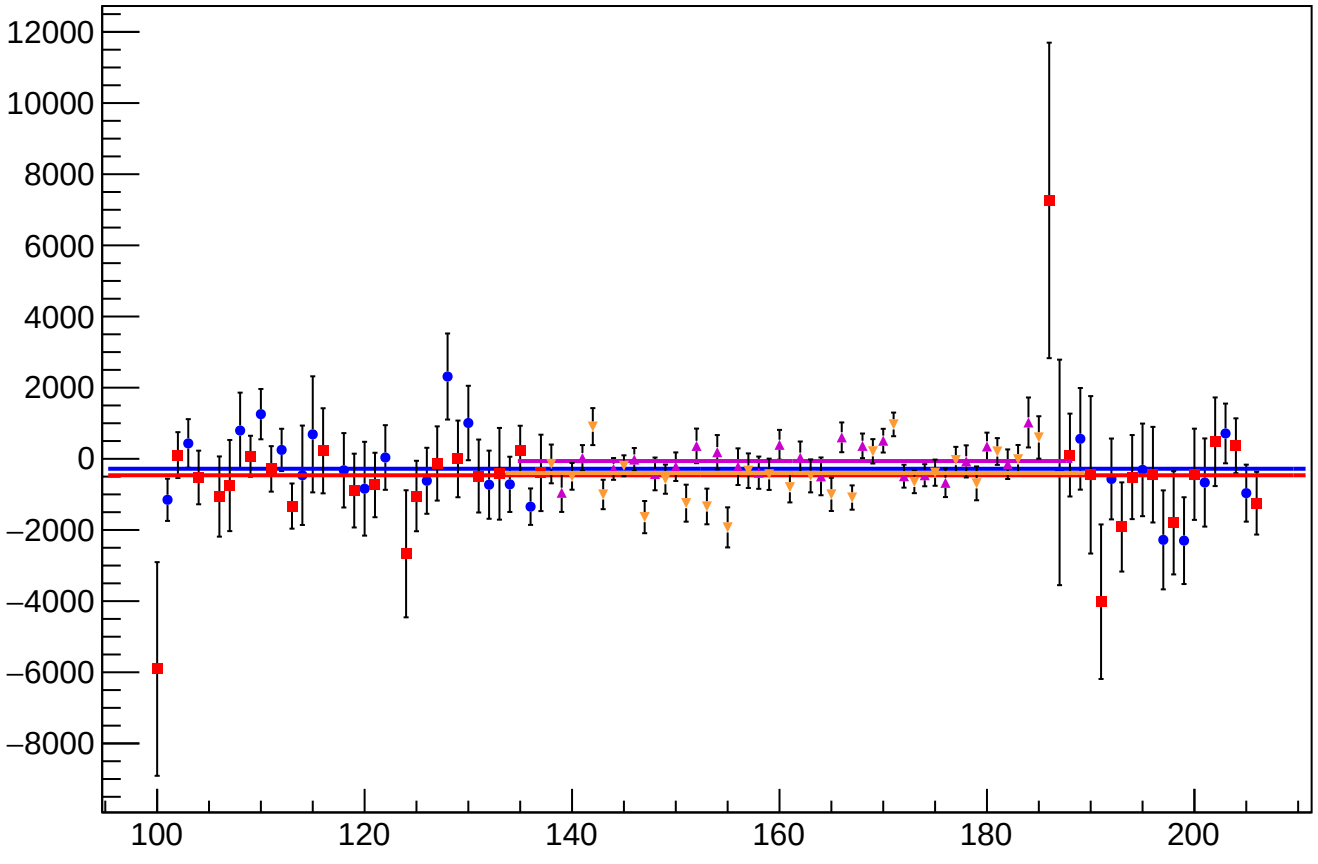
Right Out: 63.659+/-0.013 χ^2/NDF: 6447124.2/30

Left In: 50.512+/-0.008 χ^2/NDF:503409.2/22

+ sign 53.474+/-0.007 χ^2/NDF: 5781378.0/49

All: 54.026+/-0.005 χ^2/NDF: 13499610.5/103

- sign 54.596+/-0.007 χ^2/NDF: 7705195.2/53



Right In: -279.272+/-181.427 χ^2/NDF: 29.0/24

Left Out: -399.358+/-82.064 χ^2/NDF:65.4/24

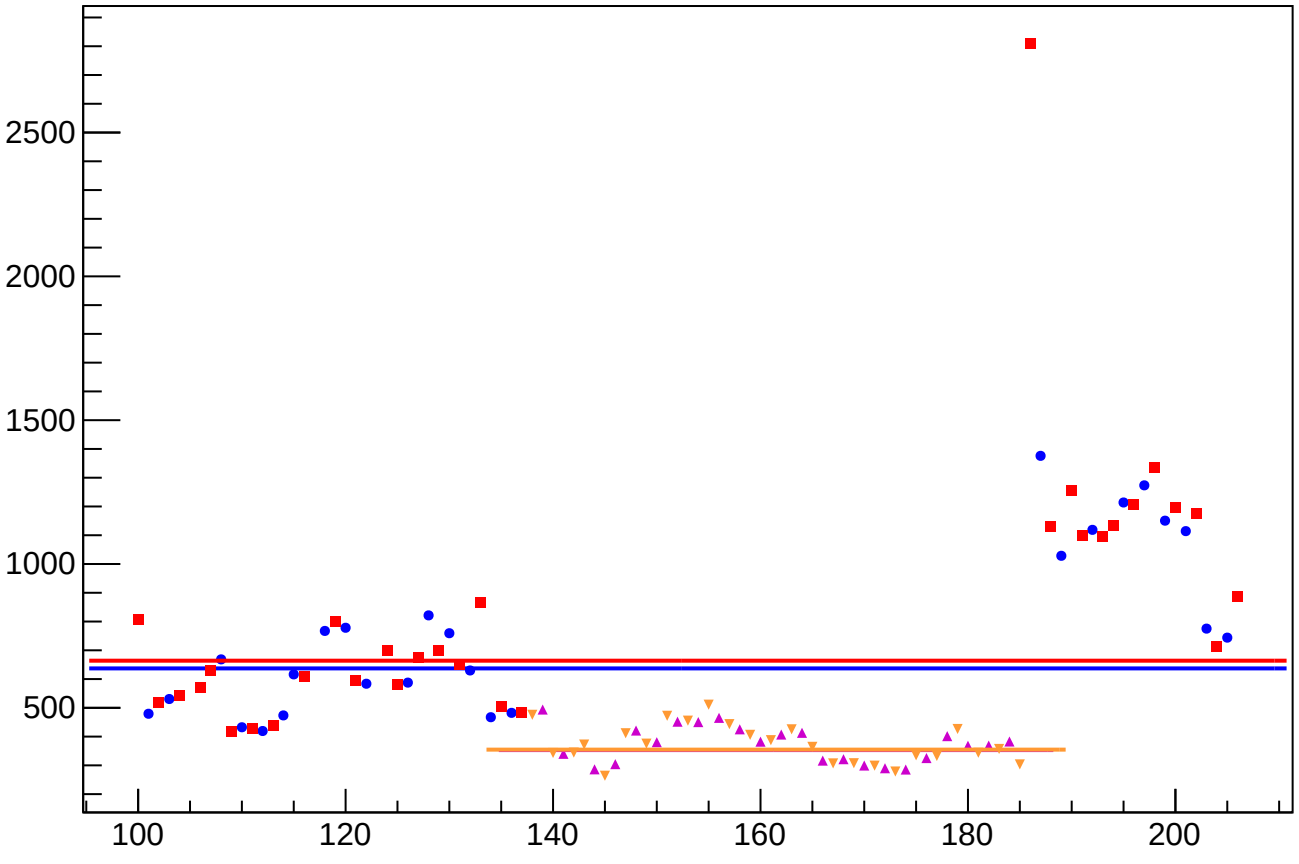
Right Out: -462.509+/-177.295 χ^2/NDF: 21.6/30

Left In: -62.038+/-83.892 χ^2/NDF:23.9/22

+ sign -378.962+/-74.770 χ^2/NDF: 94.8/49

All: -258.847+/-53.242 χ^2/NDF: 149.7/103

- sign -135.300+/-75.831 χ^2/NDF: 49.7/53



Right In: 637.046+/-0.128 χ^2/NDF: 3243938.5/24

Left Out: 354.670+/-0.058 χ^2/NDF:1145468.3/24

Right Out: 663.888+/-0.125 χ^2/NDF: 4491054.5/30

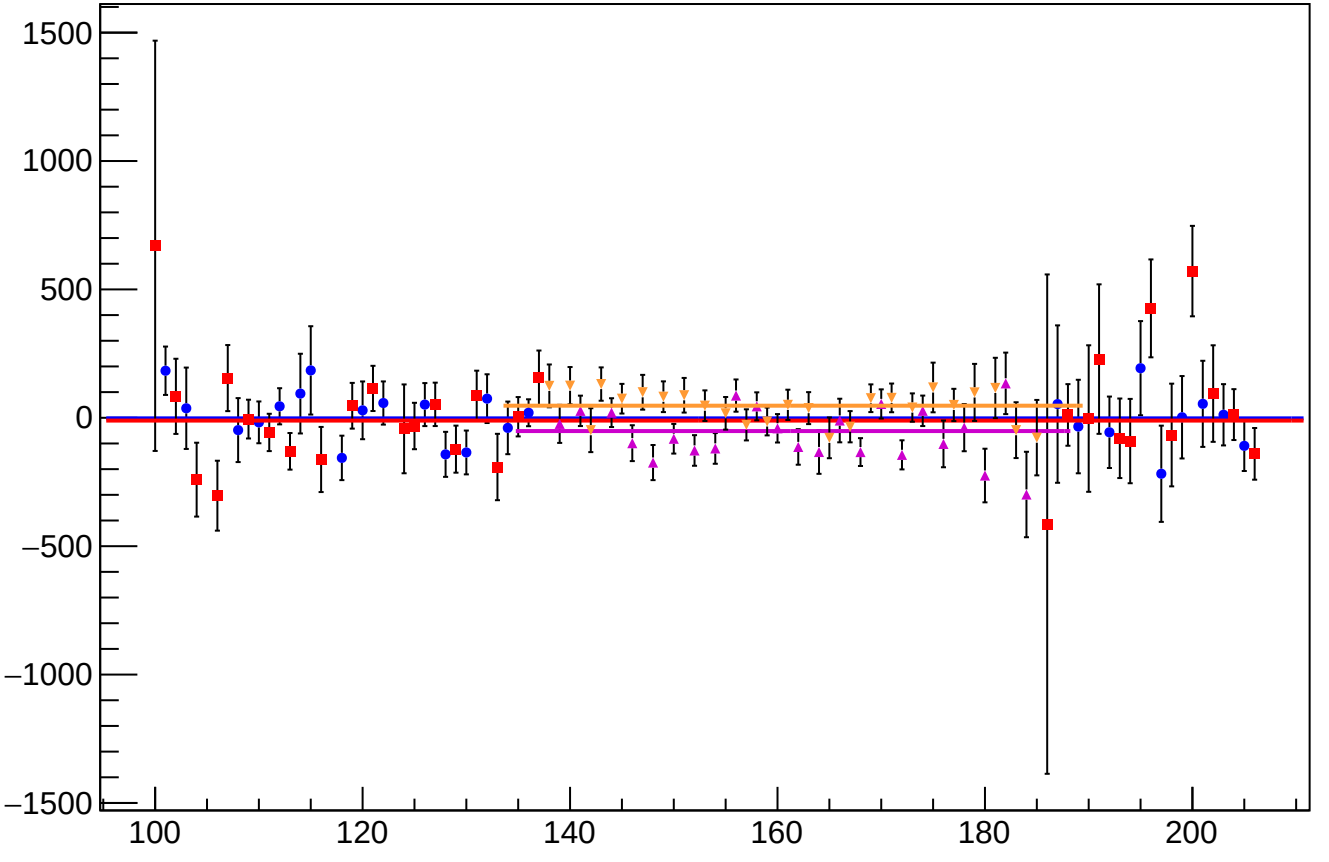
Left In: 353.110+/-0.059 χ^2/NDF:1004126.9/22

+ sign 402.630+/-0.053 χ^2/NDF: 8411382.2/49

All: 406.245+/-0.038 χ^2/NDF: 18937086.4/10

- sign 409.963+/-0.054 χ^2/NDF: 10516220.4/53

dit_asym_sam_1357_avg_mean vs Slug



Right In: -2.219+/-20.504 χ^2/NDF: 20.2/24

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -10.817+/-20.345 χ^2/NDF: 44.2/30

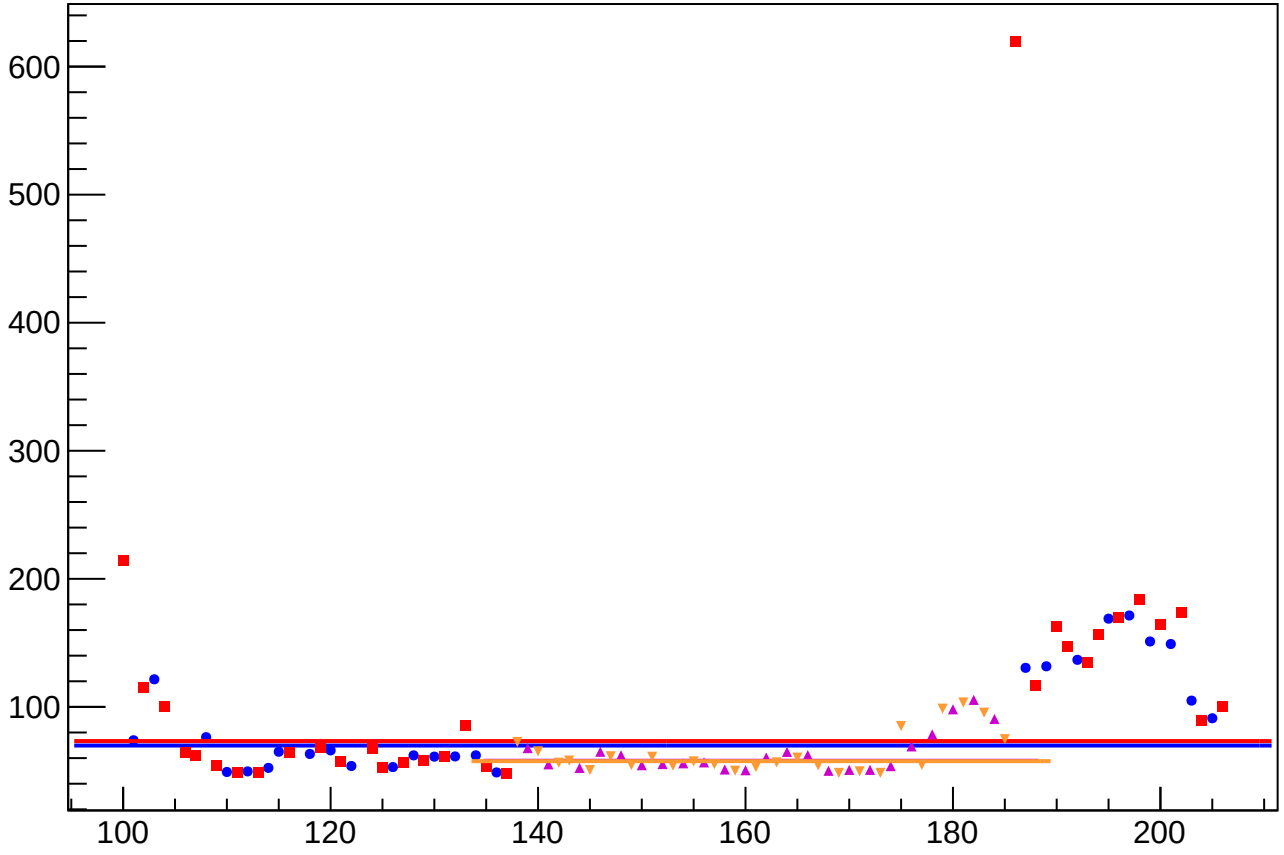
Left In: -51.652+/-13.934 χ^2/NDF:38.2/22

+ sign 32.204+/-11.282 χ^2/NDF: 41.3/49

All: -2.540+/-8.052 χ^2/NDF: 145.8/103

- sign -38.613+/-11.496 χ^2/NDF: 85.2/53

dit_asym_sam_1357_avg_rms vs Slug



Right In: 69.820+/-0.014 χ^2/NDF: 4263920.8/24

Left Out: 57.631+/-0.010 χ^2/NDF:1365448.6/24

Right Out: 73.314+/-0.014 χ^2/NDF: 5993186.6/30

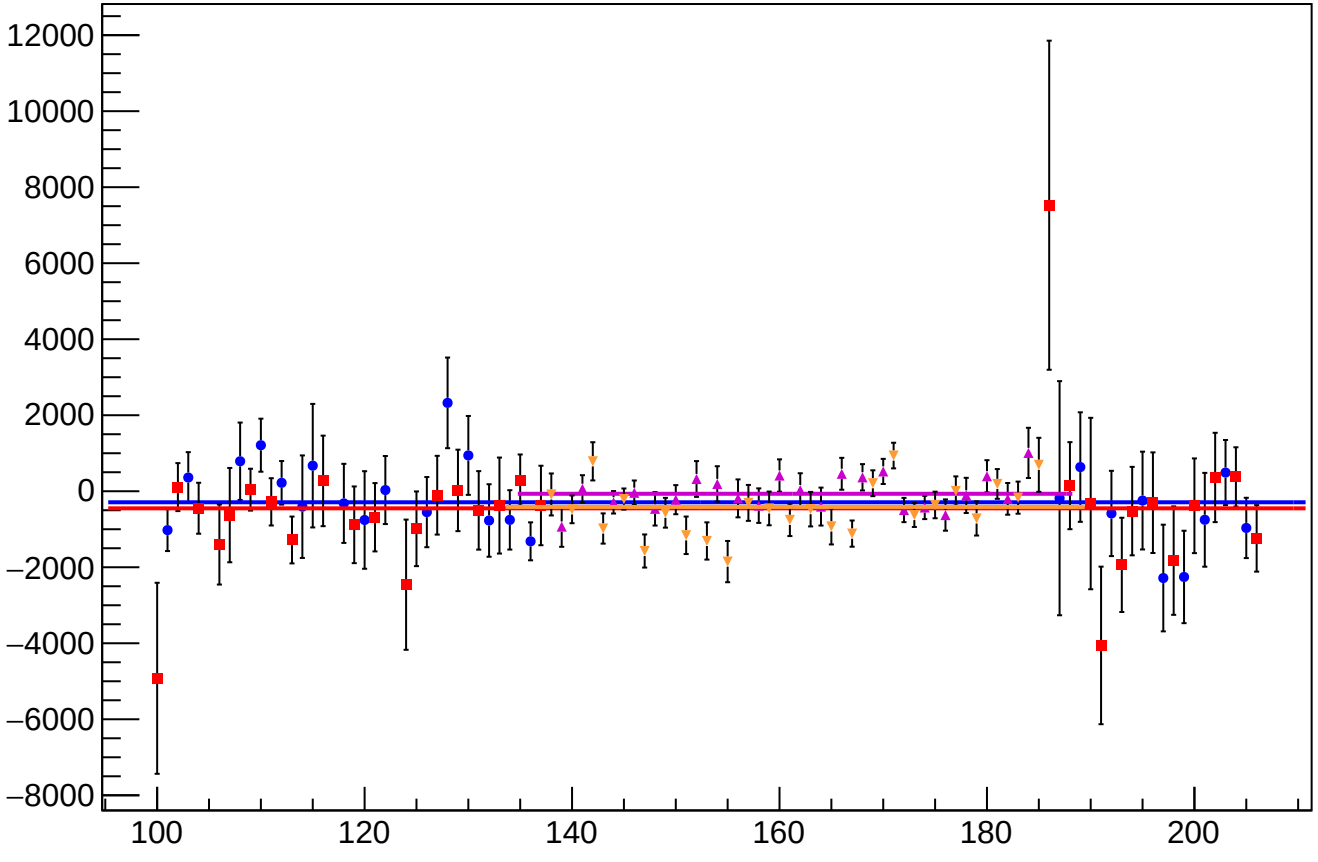
Left In: 57.940+/-0.010 χ^2/NDF:1124523.3/22

+ sign 61.321+/-0.008 χ^2/NDF: 6122156.3/49

All: 62.071+/-0.006 χ^2/NDF: 14035316.6/103

- sign 62.849+/-0.008 χ^2/NDF: 7895167.5/53

asym_sam_1357_avg_dit_correction_mean vs Slug



Right In: -290.554+/-177.826 χ^2/NDF: 27.8/24

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

Right Out: -449.839+/-172.051 χ^2/NDF: 22.8/30

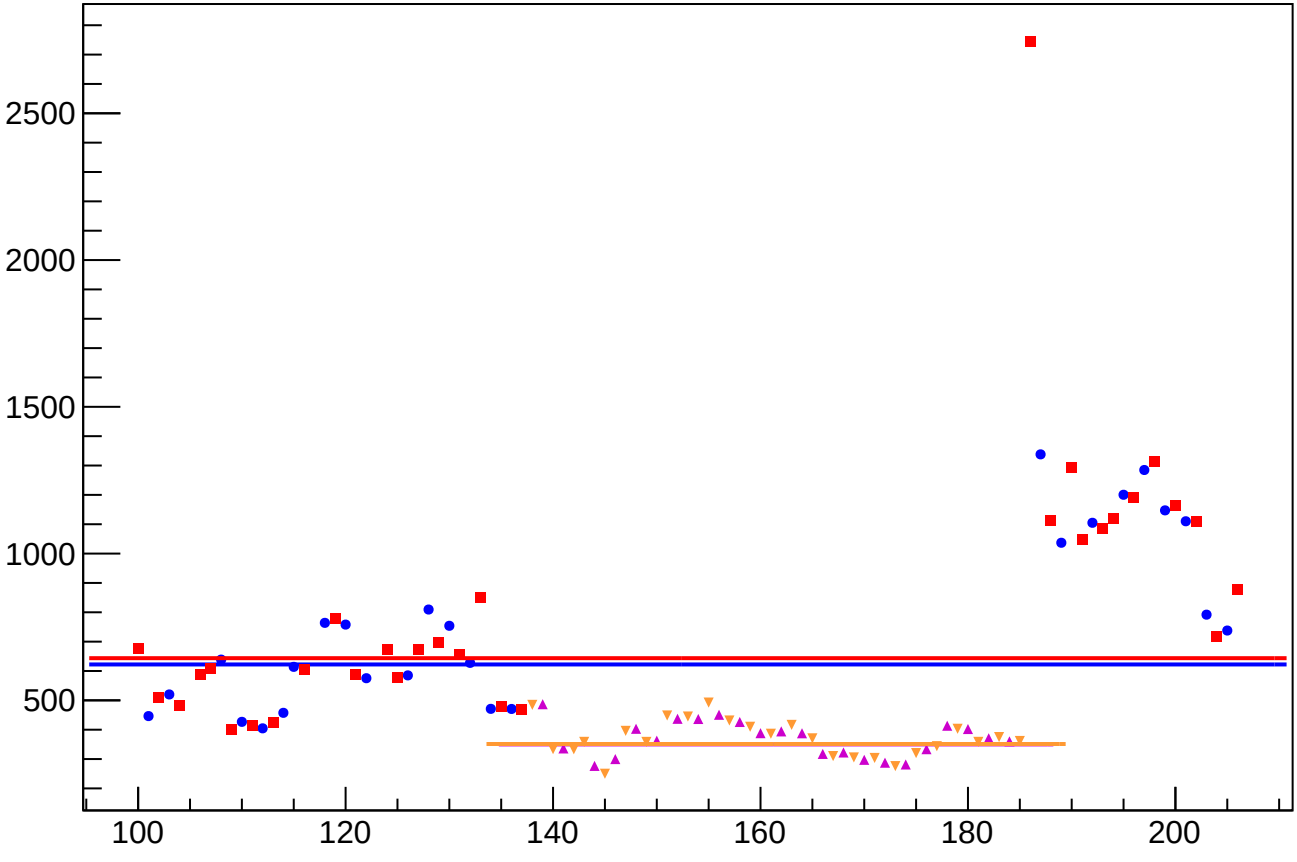
Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -391.946+/-73.814 χ^2/NDF: 89.5/49

All: -267.225+/-52.545 χ^2/NDF: 145.1/103

- sign -139.097+/-74.816 χ^2/NDF: 49.7/53

asym_sam_1357_avg_dit_correction_rms vs Slug



Right In: 622.263+/-0.126 χ^2/NDF: 3434477.1/24

Left Out: 351.264+/-0.057 χ^2/NDF:1118247.7/24

Right Out: 643.648+/-0.122 χ^2/NDF: 4666224.5/30

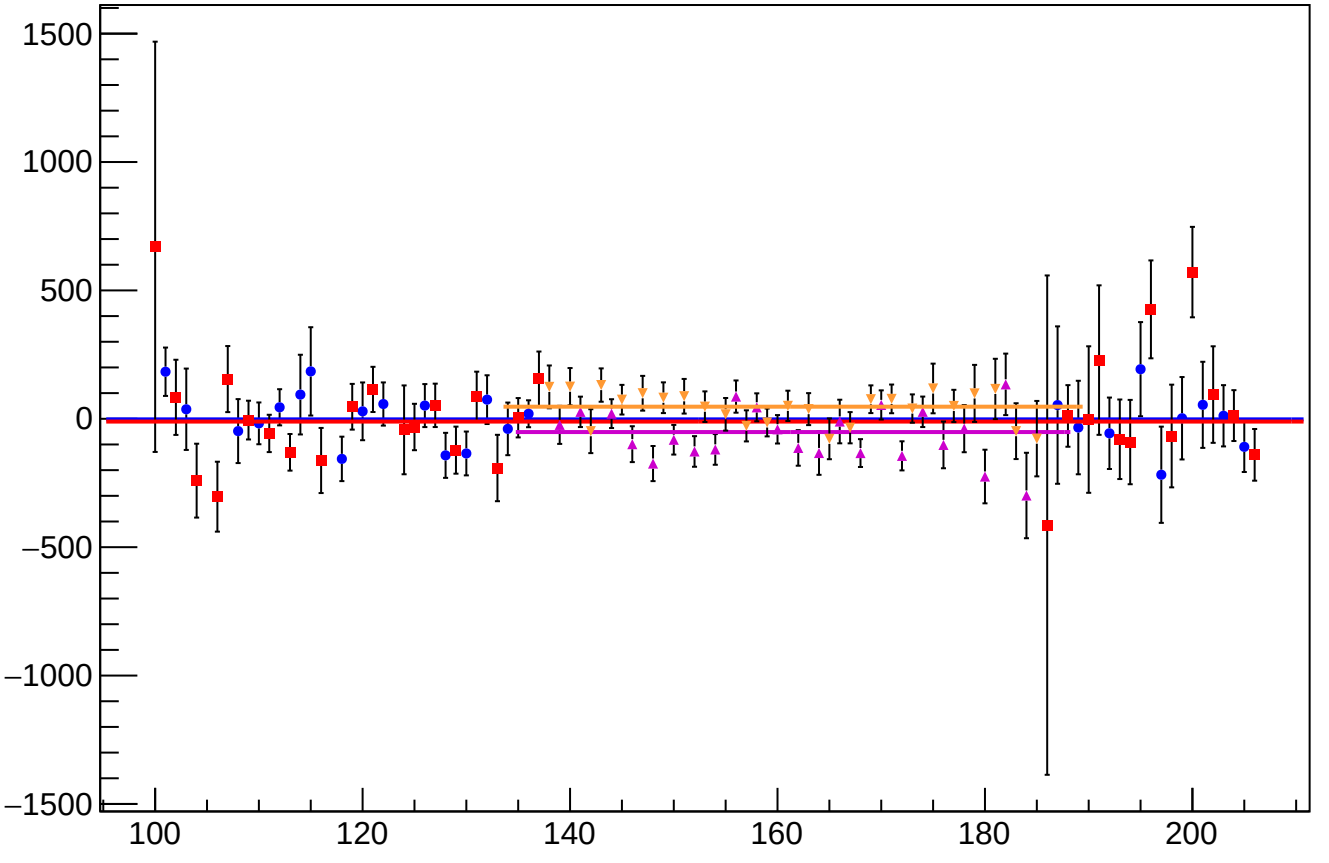
Left In: 349.813+/-0.059 χ^2/NDF:990366.6/22

+ sign 397.958+/-0.052 χ^2/NDF: 8397279.7/49

All: 401.616+/-0.037 χ^2/NDF: 18794212.9/10

- sign 405.375+/-0.053 χ^2/NDF: 10386973.1/53

eigen_dit_asym_sam_1357_avg_mean vs Slug



Right In: -2.219+/-20.505 χ^2/NDF: 20.2/24

Left Out: 47.151+/-13.511 χ^2/NDF:17.0/24

Right Out: -10.815+/-20.345 χ^2/NDF: 44.2/30

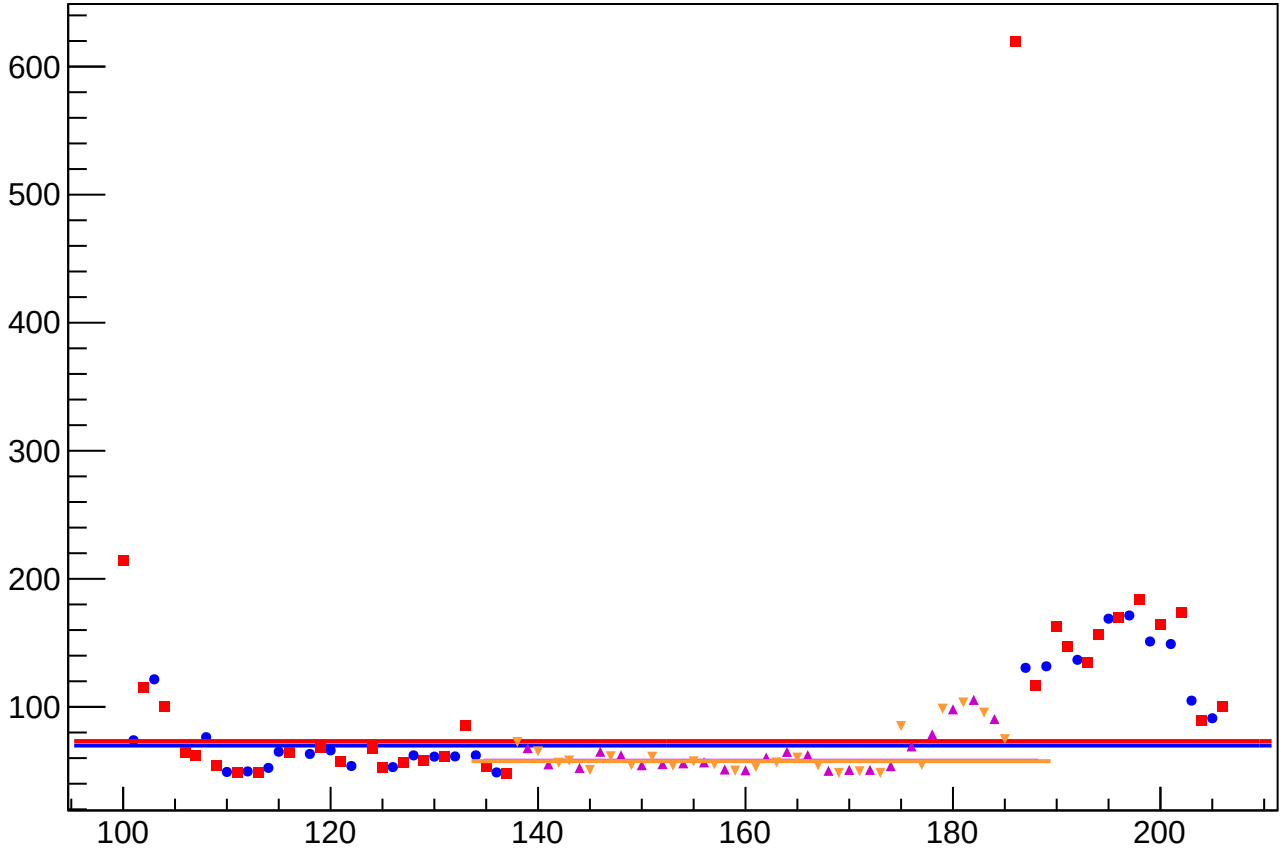
Left In: -51.651+/-13.934 χ^2/NDF:38.2/22

+ sign 32.204+/-11.282 χ^2/NDF: 41.3/49

All: -2.540+/-8.052 χ^2/NDF: 145.8/103

- sign -38.613+/-11.496 χ^2/NDF: 85.2/53

eigen_dit_asym_sam_1357_avg_rms vs Slug



Right In: 69.820+/-0.014 χ^2/NDF: 4263903.3/24

Left Out: 57.631+/-0.010 χ^2/NDF:1365443.1/24

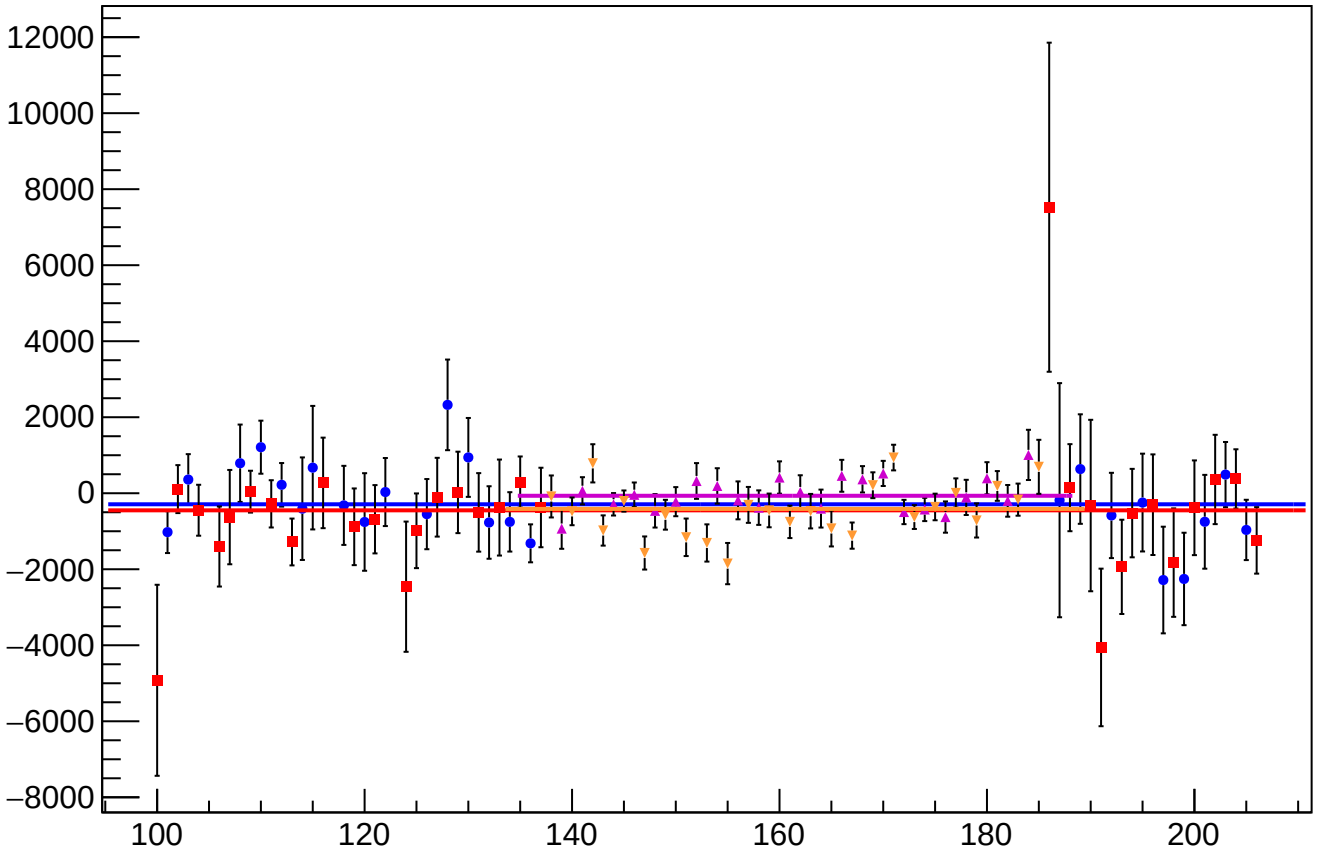
Right Out: 73.314+/-0.014 χ^2/NDF: 5993174.6/30

Left In: 57.940+/-0.010 χ^2/NDF:1124509.8/22

+ sign 61.321+/-0.008 χ^2/NDF: 6122133.6/49

All: 62.071+/-0.006 χ^2/NDF: 14035268.6/103

- sign 62.849+/-0.008 χ^2/NDF: 7895141.4/53



Right In: -290.553+/-177.826 χ^2/NDF: 27.8/24

Left Out: -413.053+/-81.134 χ^2/NDF:61.3/24

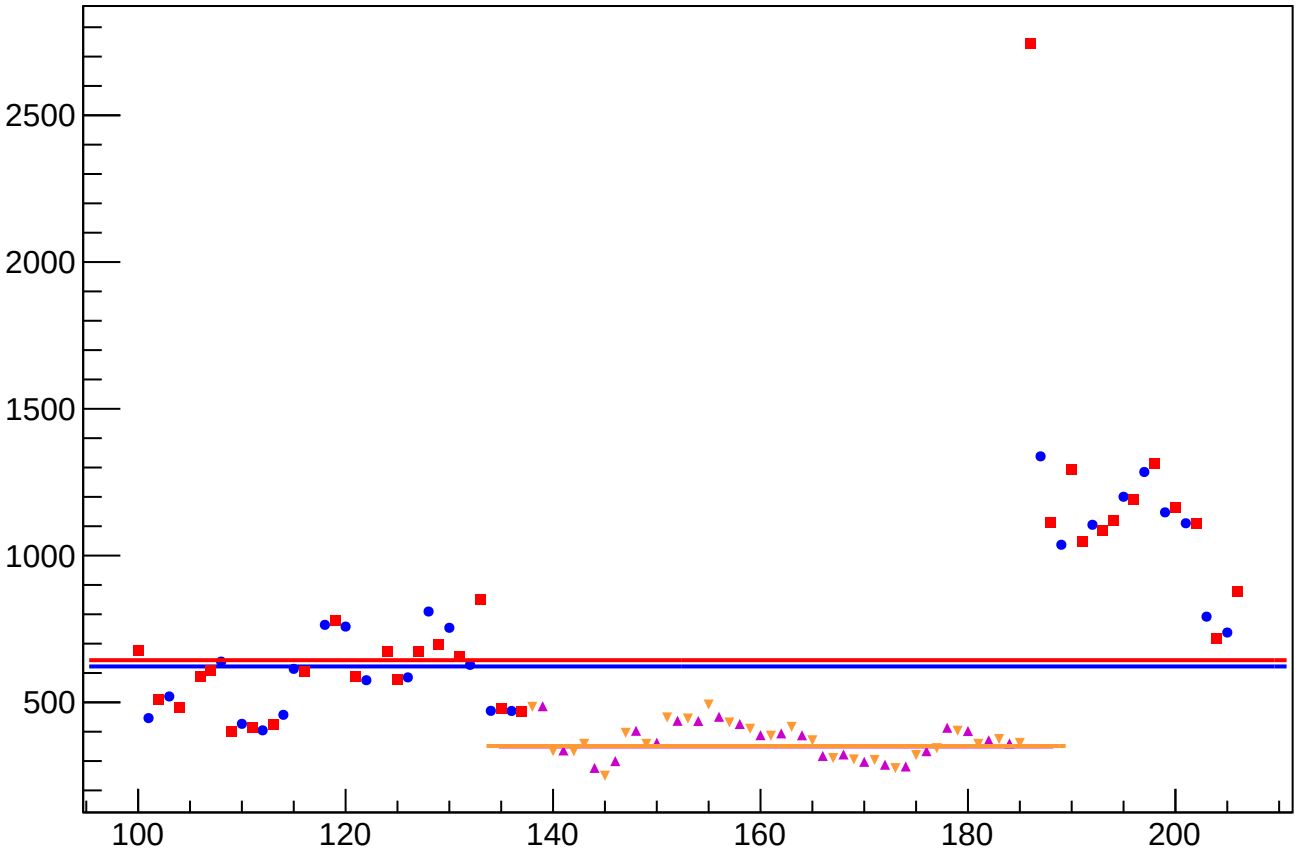
Right Out: -449.838+/-172.050 χ^2/NDF: 22.8/30

Left In: -66.637+/-83.082 χ^2/NDF:22.9/22

+ sign -391.946+/-73.814 χ^2/NDF: 89.5/49

All: -267.225+/-52.545 χ^2/NDF: 145.1/103

- sign -139.097+/-74.815 χ^2/NDF: 49.7/53



Right In: 622.262+/-0.126 χ^2/NDF: 3434485.5/24

Left Out: 351.264+/-0.057 χ^2/NDF:1118243.1/24

Right Out: 643.646+/-0.122 χ^2/NDF: 4666229.3/30

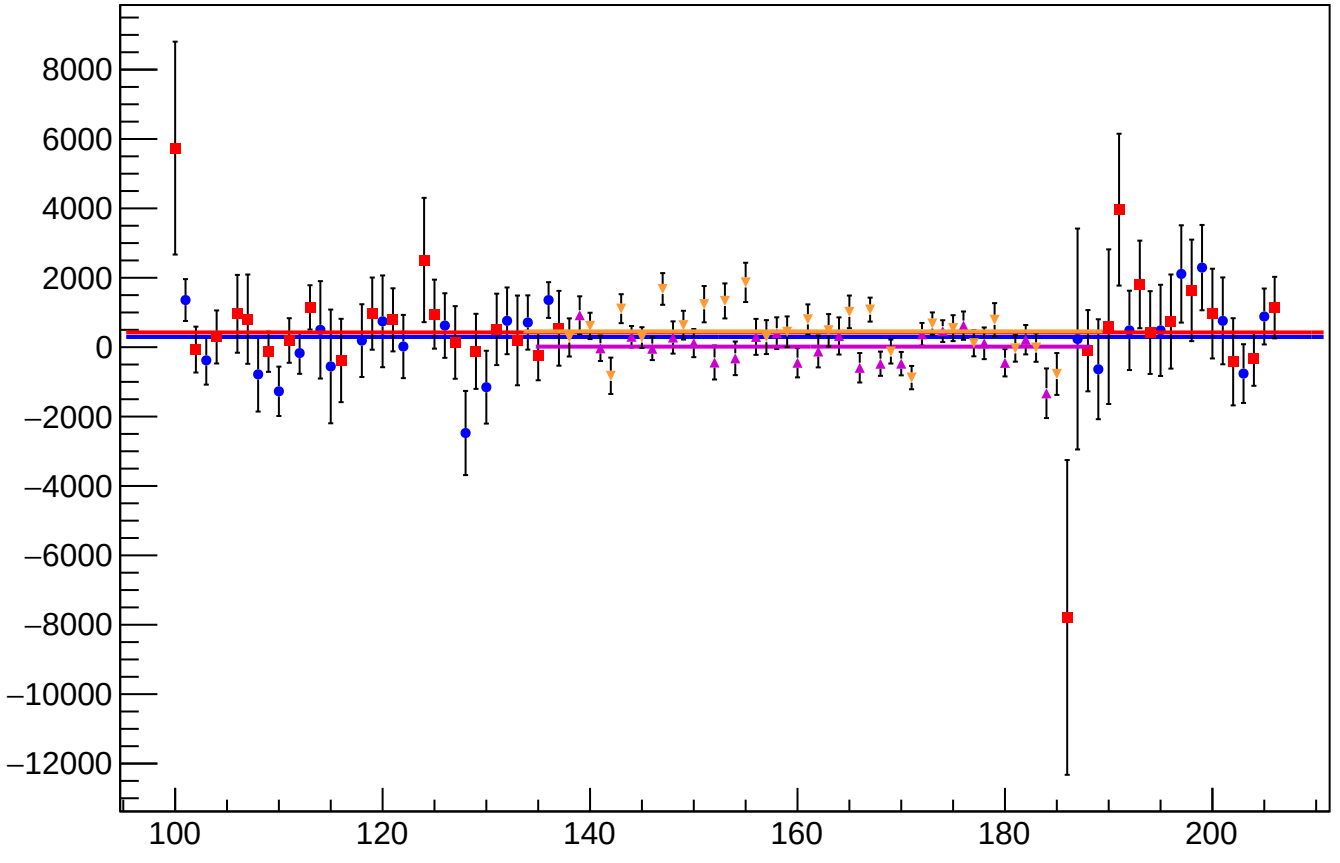
Left In: 349.813+/-0.059 χ^2/NDF:990359.9/22

+ sign 397.957+/-0.052 χ^2/NDF: 8397271.5/49

All: 401.616+/-0.037 χ^2/NDF: 18794184.9/10

- sign 405.374+/-0.053 χ^2/NDF: 10386952.9/53

asym_sam_1357_avg_mean vs Slug



Right In: 294.285+/-182.897 χ^2/NDF: 30.0/24

Left Out: 455.234+/-82.961 χ^2/NDF:60.8/24

Right Out: 425.015+/-178.590 χ^2/NDF: 20.3/30

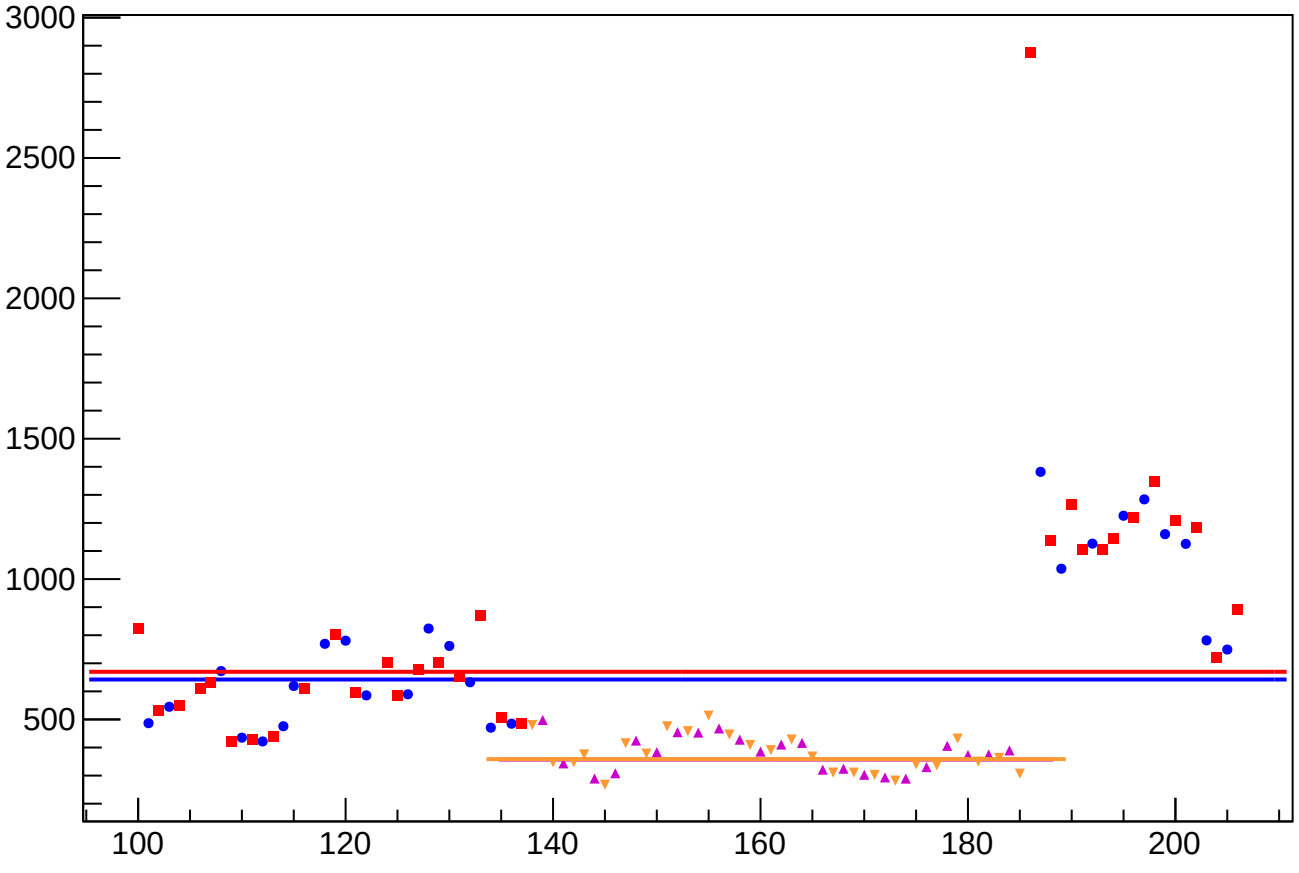
Left In: 16.073+/-84.830 χ^2/NDF:24.9/22

+ sign 427.770+/-75.552 χ^2/NDF: 91.5/49

All: 261.936+/-53.799 χ^2/NDF: 150.7/103

- sign 91.355+/-76.625 χ^2/NDF: 49.4/53

asym_sam_1357_avg_rms vs Slug



Right In: 642.308+/-0.129 χ^2/NDF: 3234163.3/24

Left Out: 358.677+/-0.059 χ^2/NDF:1119535.1/24

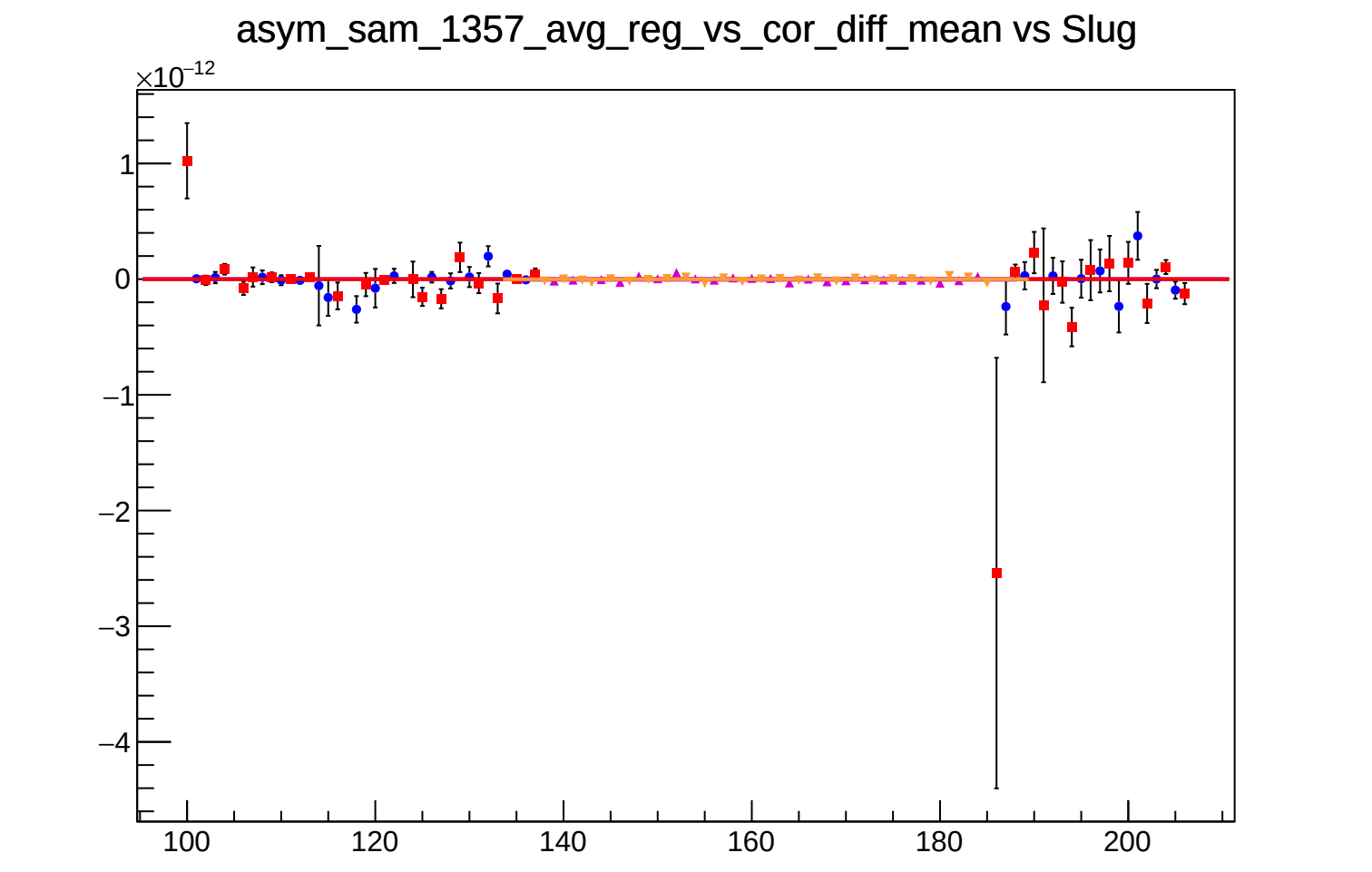
Right Out: 669.790+/-0.126 χ^2/NDF: 4481938.7/30

Left In: 357.182+/-0.060 χ^2/NDF:981641.8/22

+ sign 407.075+/-0.053 χ^2/NDF: 8342758.9/49

All: 410.849+/-0.038 χ^2/NDF: 18816330.5/10

- sign 414.730+/-0.054 χ^2/NDF: 10463449.1/53



Right In: 0.000+/-0.000 χ^2/NDF: 20.8/24

Left Out: -0.000+/-0.000 χ^2/NDF:18.2/24

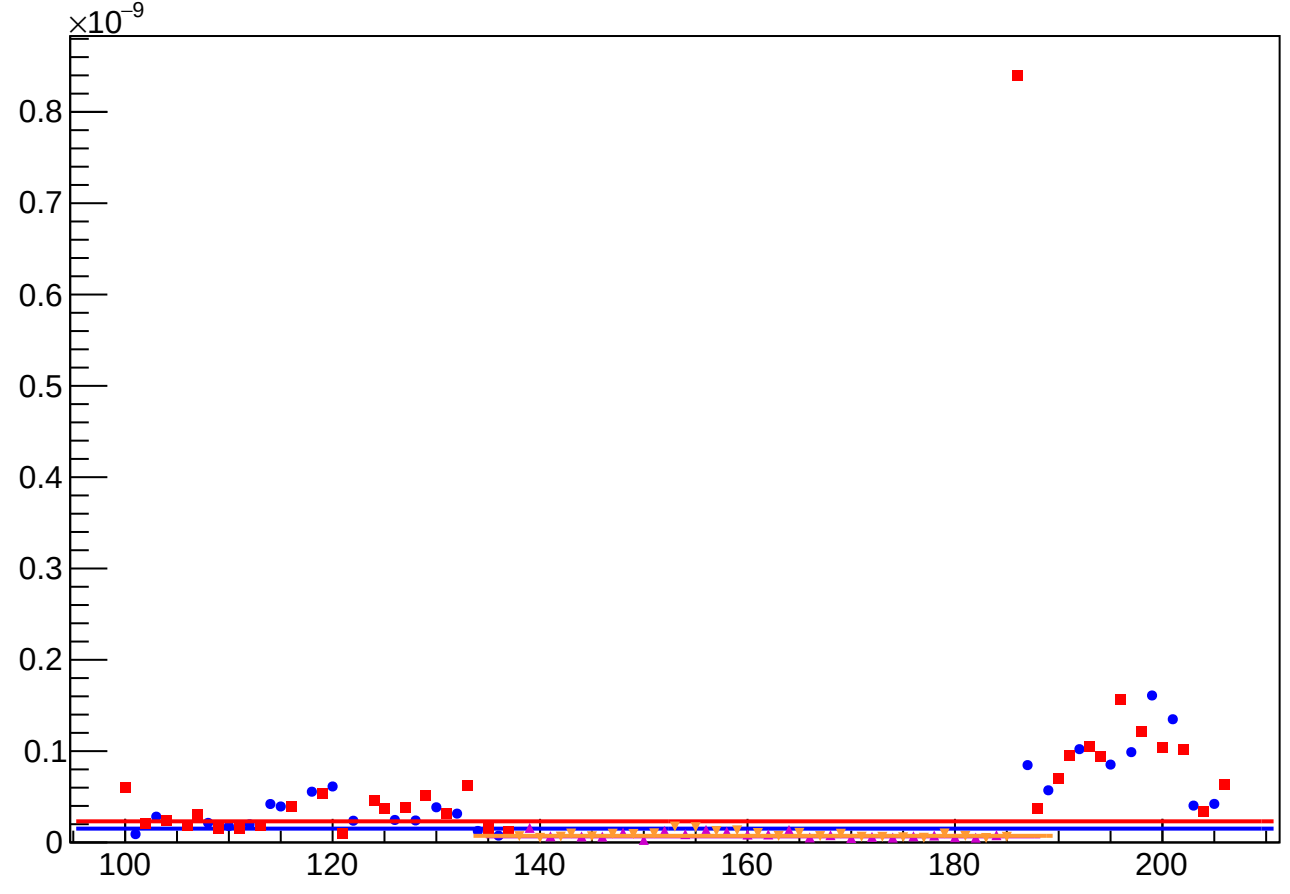
Right Out: 0.000+/-0.000 χ^2/NDF: 48.1/30

Left In: -0.000+/-0.000 χ^2/NDF:28.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 39.0/49

All: -0.000+/-0.000 χ^2/NDF: 117.2/103

- sign -0.000+/-0.000 χ^2/NDF: 76.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 5665659.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:1438289.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5140568.4/30

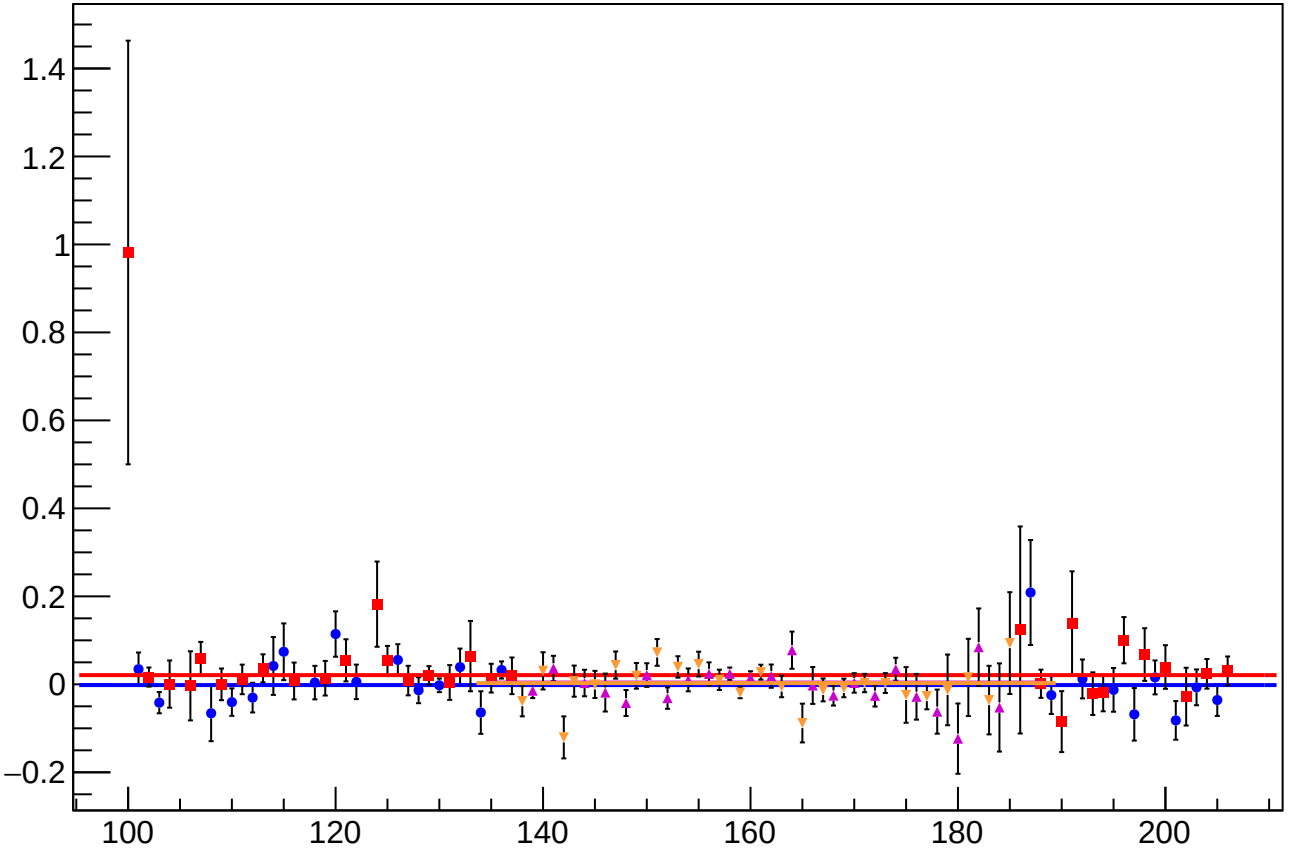
Left In: 0.000+/-0.000 χ^2/NDF:1746143.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 8536255.9/49

All: 0.000+/-0.000 χ^2/NDF: 19337635.9/103

- sign 0.000+/-0.000 χ^2/NDF: 10780623.3/53

asym_sam_1357_avg_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.021+/-0.007 χ^2/NDF: 20.1/30

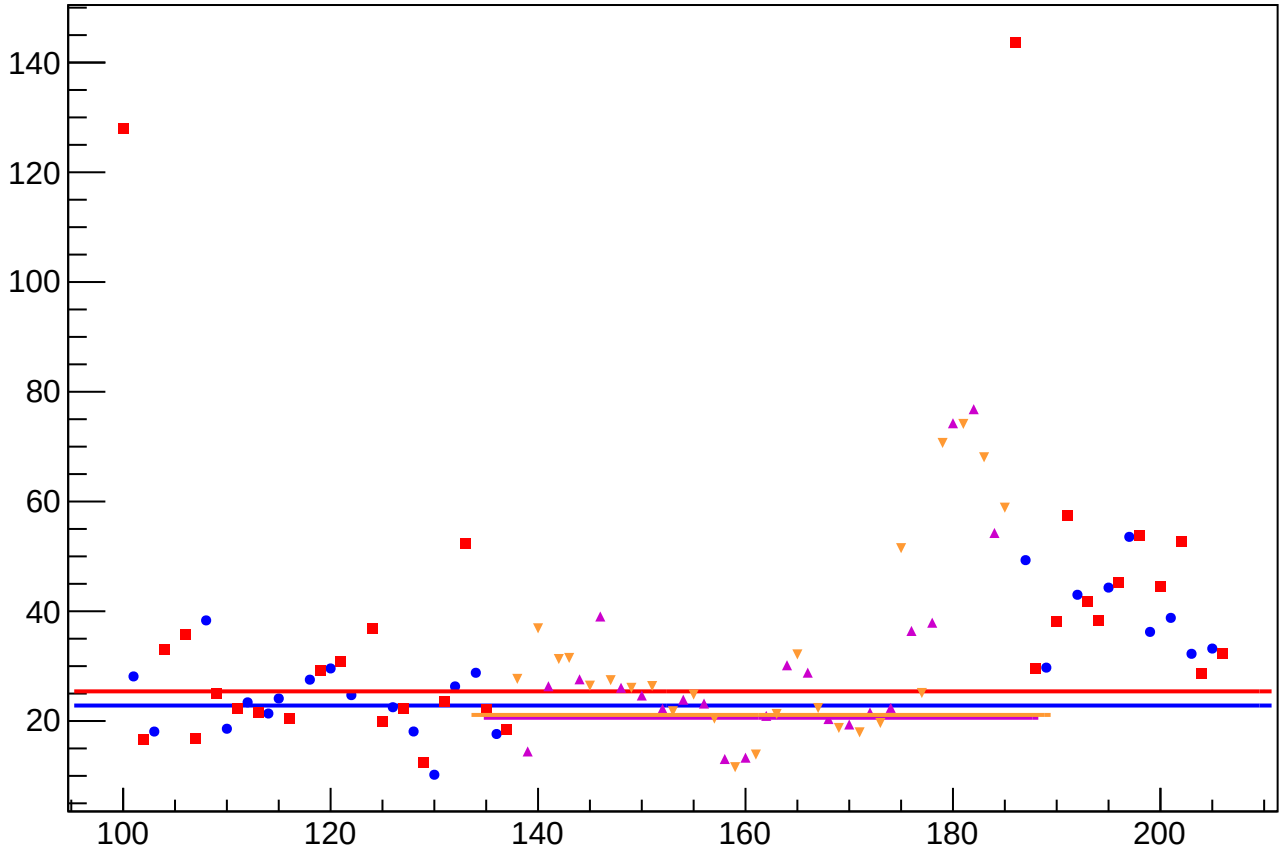
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.5/49

All: 0.006+/-0.003 χ^2/NDF: 115.0/103

- sign 0.010+/-0.004 χ^2/NDF: 48.2/53

asym_sam_1357_avg_dit_vs_cor_diff_rms vs Slug



Right In: 22.820+/-0.005 χ^2/NDF: 4141229.2/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

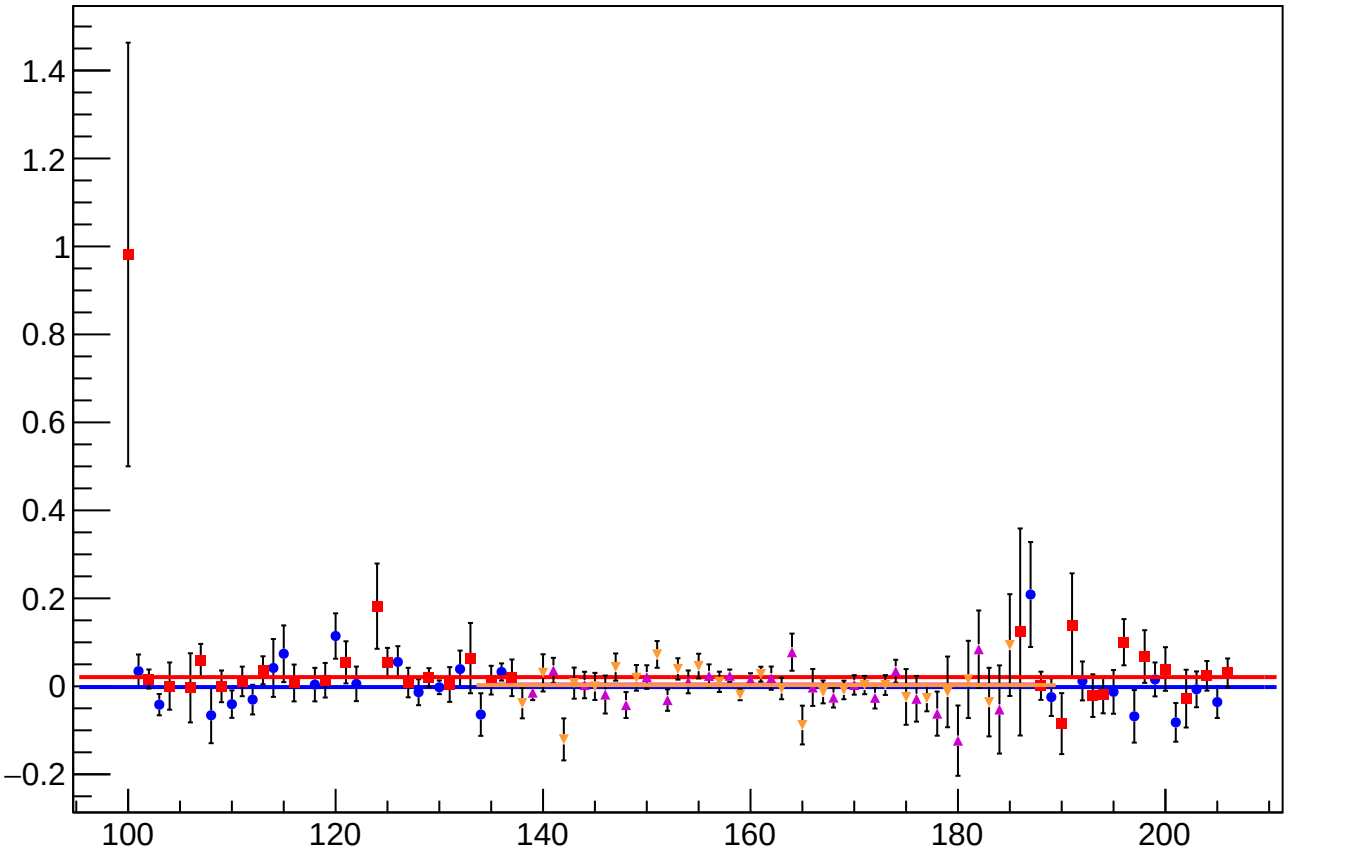
Right Out: 25.402+/-0.005 χ^2/NDF: 4540577.4/30

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 21.762+/-0.003 χ^2/NDF: 9762963.6/49

All: 22.049+/-0.002 χ^2/NDF: 19491206.5/103

- sign 22.342+/-0.003 χ^2/NDF: 9710166.2/53



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

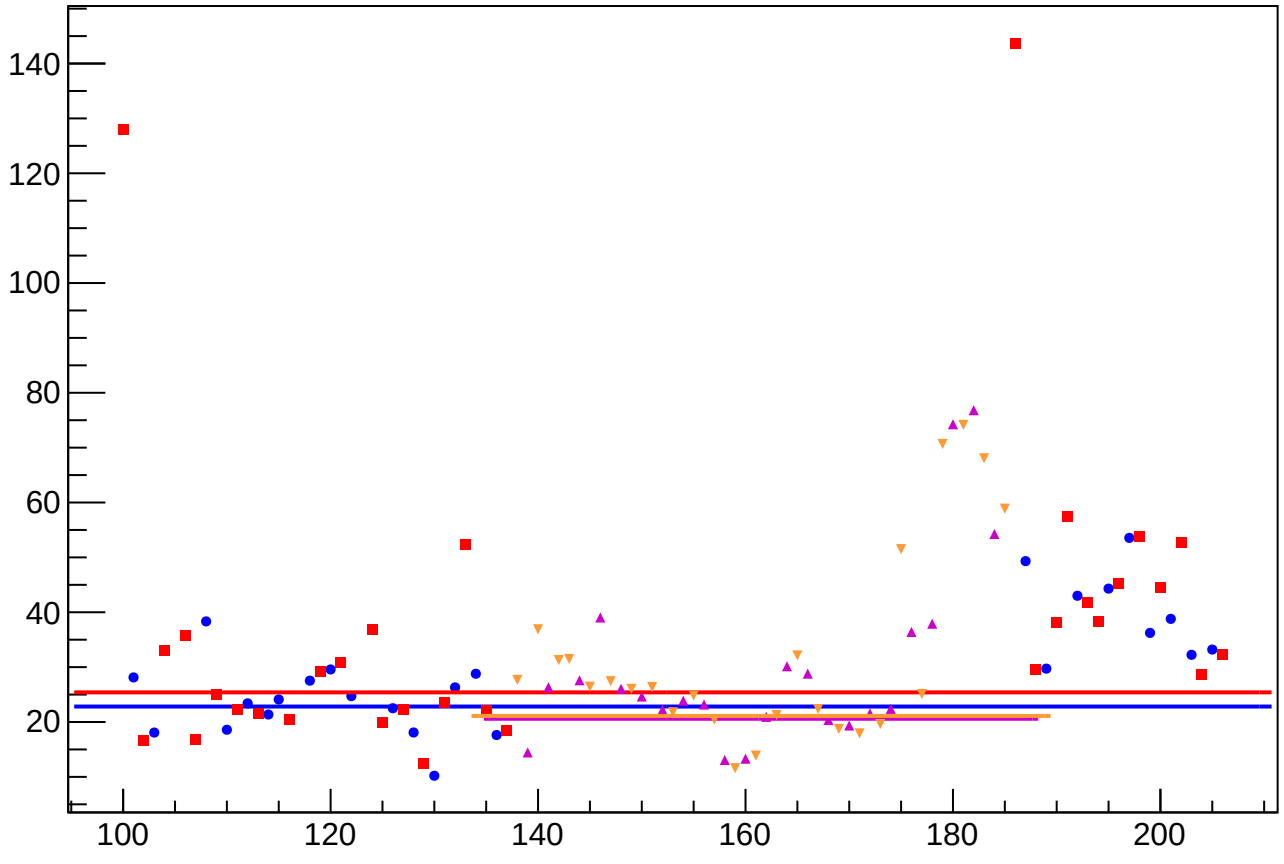
Right Out: 0.021+/-0.007 χ^2/NDF: 20.1/30

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.5/49

All: 0.006+/-0.003 χ^2/NDF: 115.0/103

- sign 0.010+/-0.004 χ^2/NDF: 48.2/53



Right In: 22.820+/-0.005 χ^2/NDF: 4141229.2/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546528.5/24

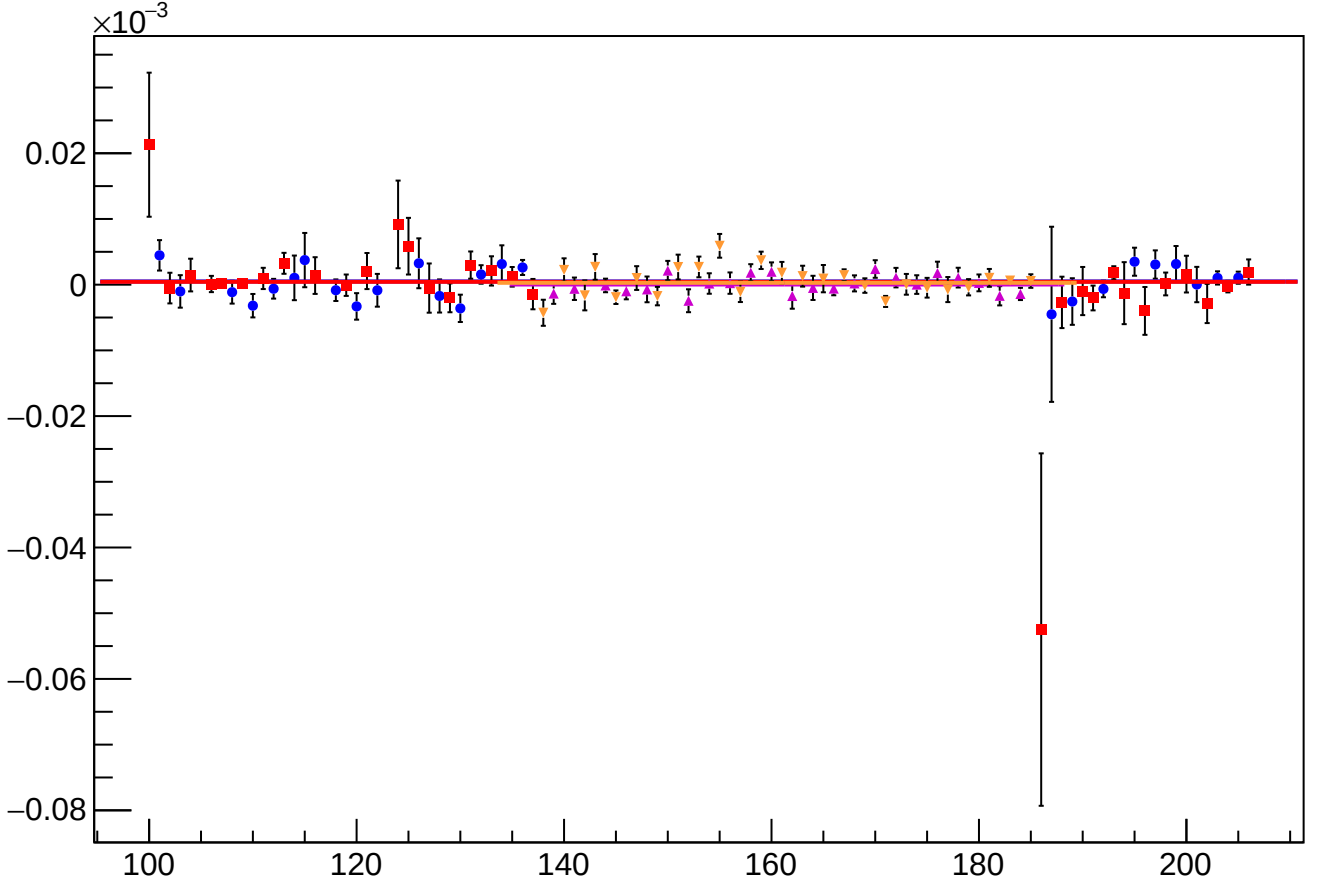
Right Out: 25.402+/-0.005 χ^2/NDF: 4540577.4/30

Left In: 20.591+/-0.004 χ^2/NDF:4599493.5/22

+ sign 21.762+/-0.003 χ^2/NDF: 9762963.6/49

All: 22.049+/-0.002 χ^2/NDF: 19491206.5/103

- sign 22.342+/-0.003 χ^2/NDF: 9710166.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 31.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:52.6/24

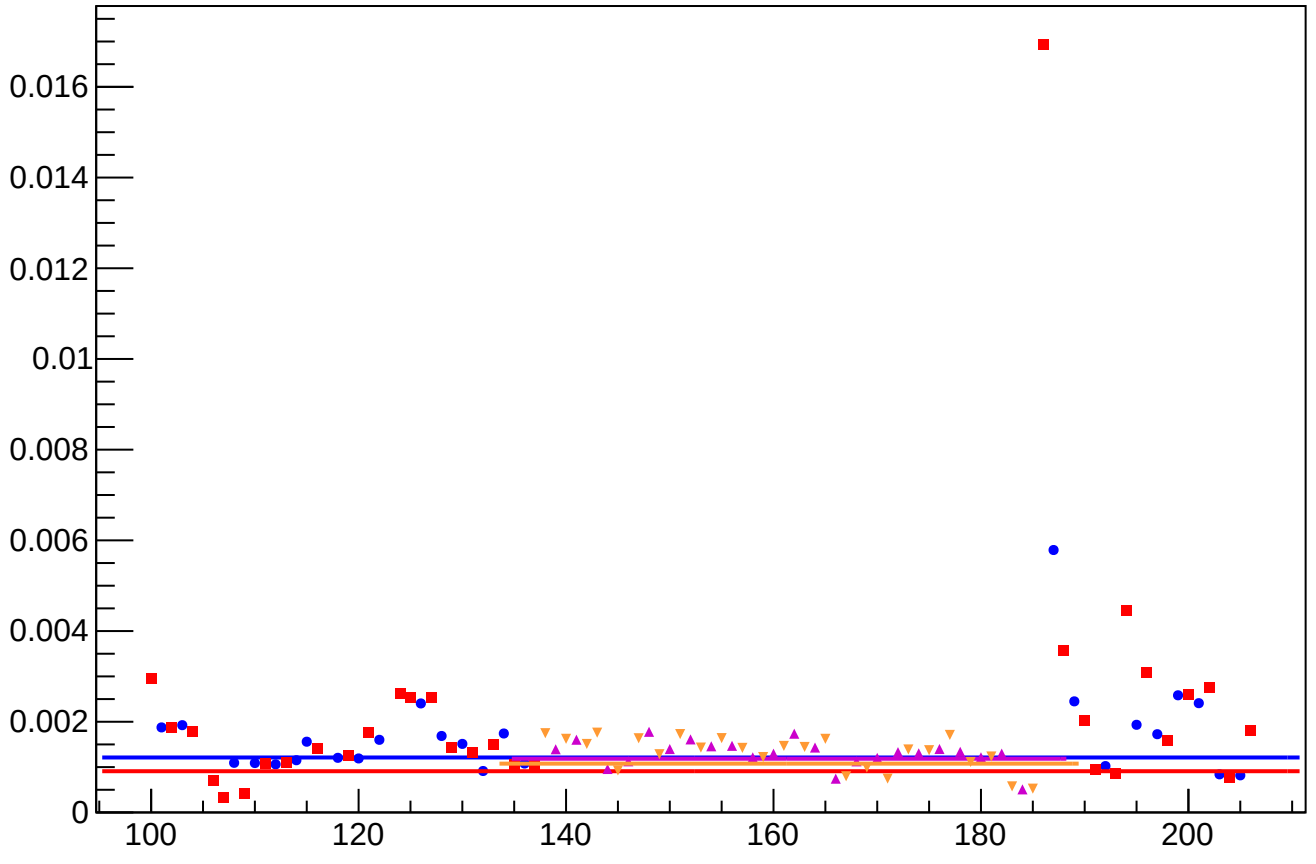
Right Out: 0.000+/-0.000 χ^2/NDF: 28.4/30

Left In: 0.000+/-0.000 χ^2/NDF:19.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 83.8/49

All: 0.000+/-0.000 χ^2/NDF: 133.2/103

- sign 0.000+/-0.000 χ^2/NDF: 49.2/53



Right In: 0.001+/-0.000 χ^2/NDF: 3327235.4/24

Left Out: 0.001+/-0.000 χ^2/NDF:4545392.2/24

Right Out: 0.001+/-0.000 χ^2/NDF: 11036995.9/30

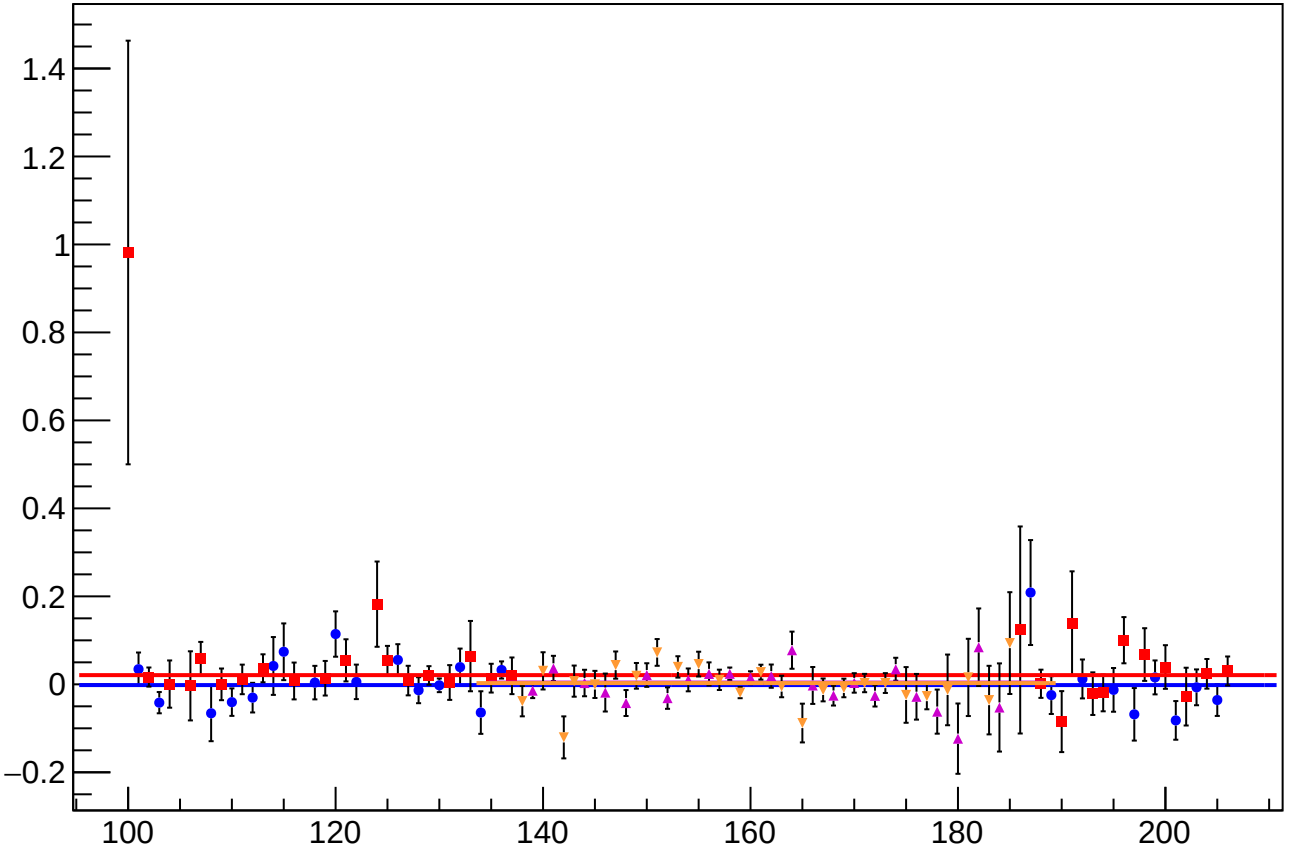
Left In: 0.001+/-0.000 χ^2/NDF:2456537.2/22

+ sign 0.001+/-0.000 χ^2/NDF: 8059430.4/49

All: 0.001+/-0.000 χ^2/NDF: 22623391.9/103

- sign 0.001+/-0.000 χ^2/NDF: 14417370.1/53

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs Slug



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

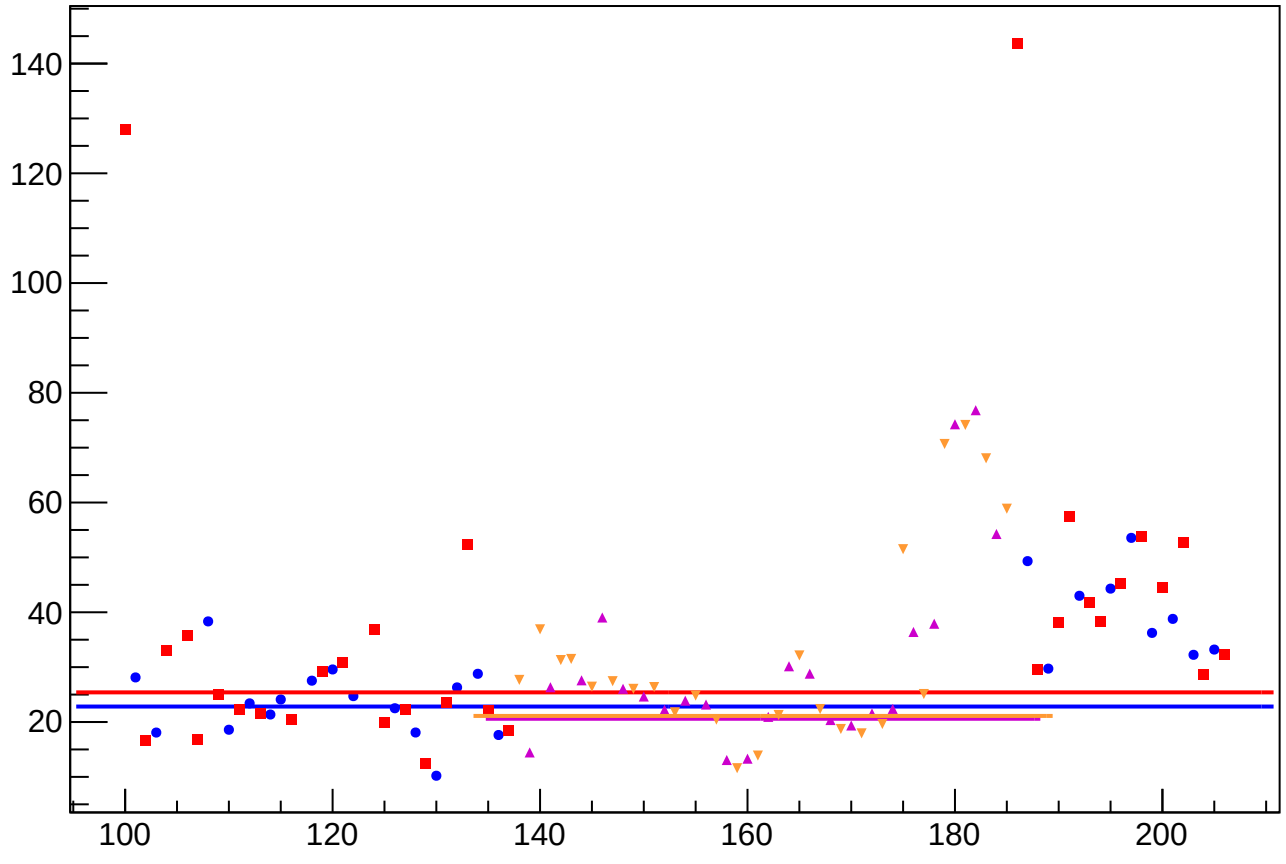
Right Out: 0.021+/-0.007 χ^2/NDF: 20.1/30

Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.6/49

All: 0.006+/-0.003 χ^2/NDF: 115.0/103

- sign 0.010+/-0.004 χ^2/NDF: 48.2/53



Right In: 22.820+/-0.005 χ^2/NDF: 4140991.6/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

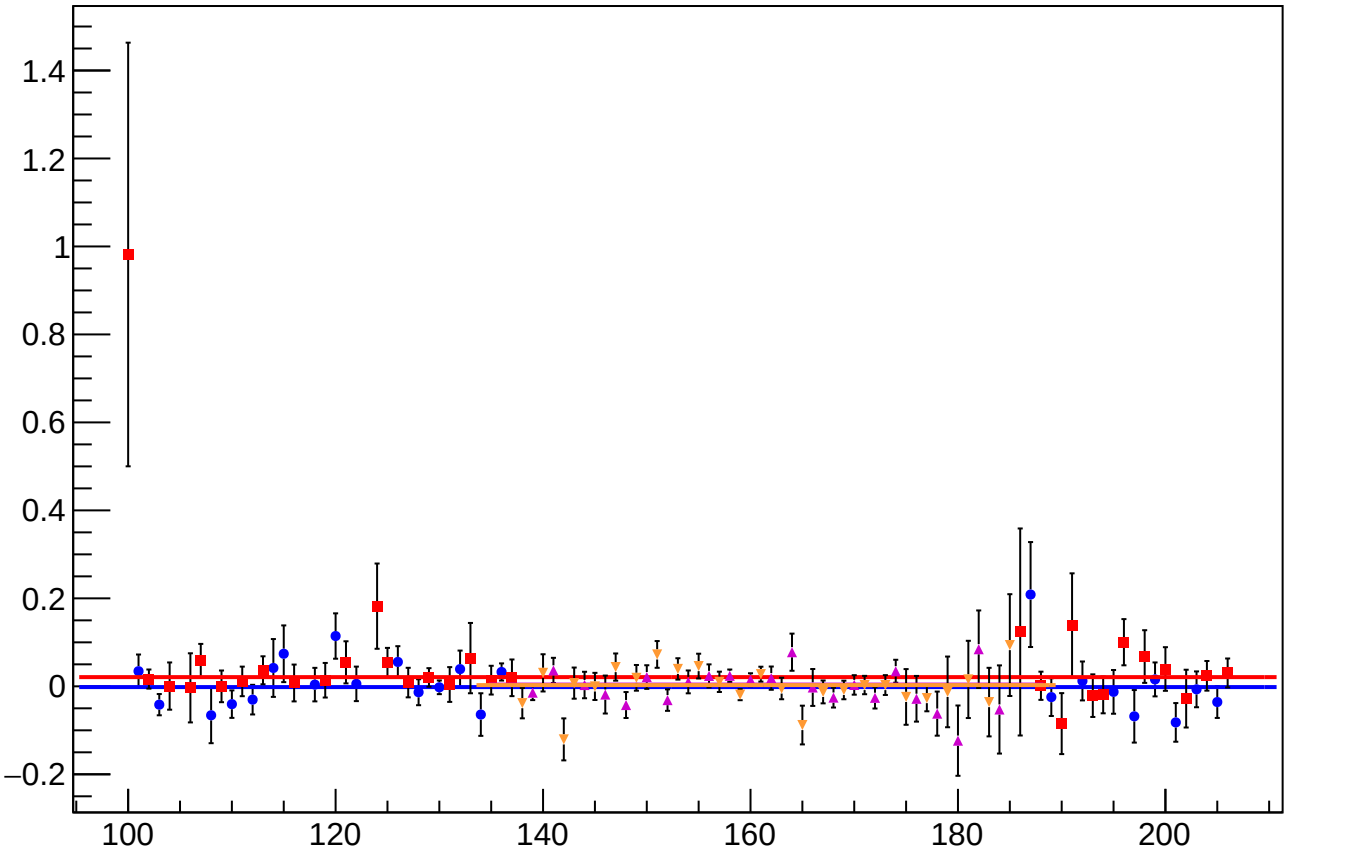
Right Out: 25.402+/-0.005 χ^2/NDF: 4540549.7/30

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 21.762+/-0.003 χ^2/NDF: 9762892.7/49

All: 22.049+/-0.002 χ^2/NDF: 19491103.3/103

- sign 22.342+/-0.003 χ^2/NDF: 9710131.7/53



Right In: -0.002+/-0.007 χ^2/NDF: 31.5/24

Left Out: 0.003+/-0.005 χ^2/NDF:32.8/24

Right Out: 0.021+/-0.007 χ^2/NDF: 20.1/30

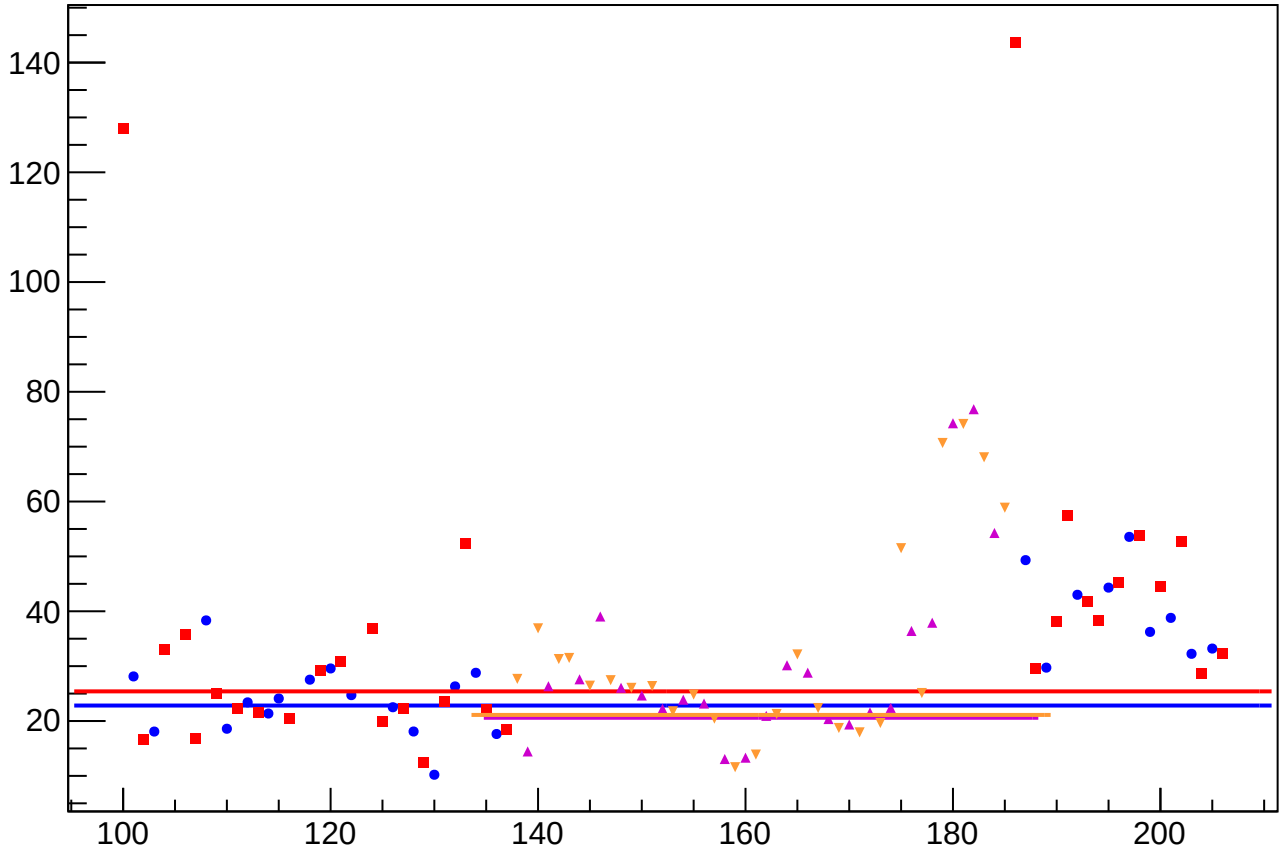
Left In: 0.004+/-0.005 χ^2/NDF:24.6/22

+ sign 0.001+/-0.004 χ^2/NDF: 64.6/49

All: 0.006+/-0.003 χ^2/NDF: 115.0/103

- sign 0.010+/-0.004 χ^2/NDF: 48.2/53

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 22.820+/-0.005 χ^2/NDF: 4140991.6/24

Left Out: 21.109+/-0.004 χ^2/NDF:5546663.4/24

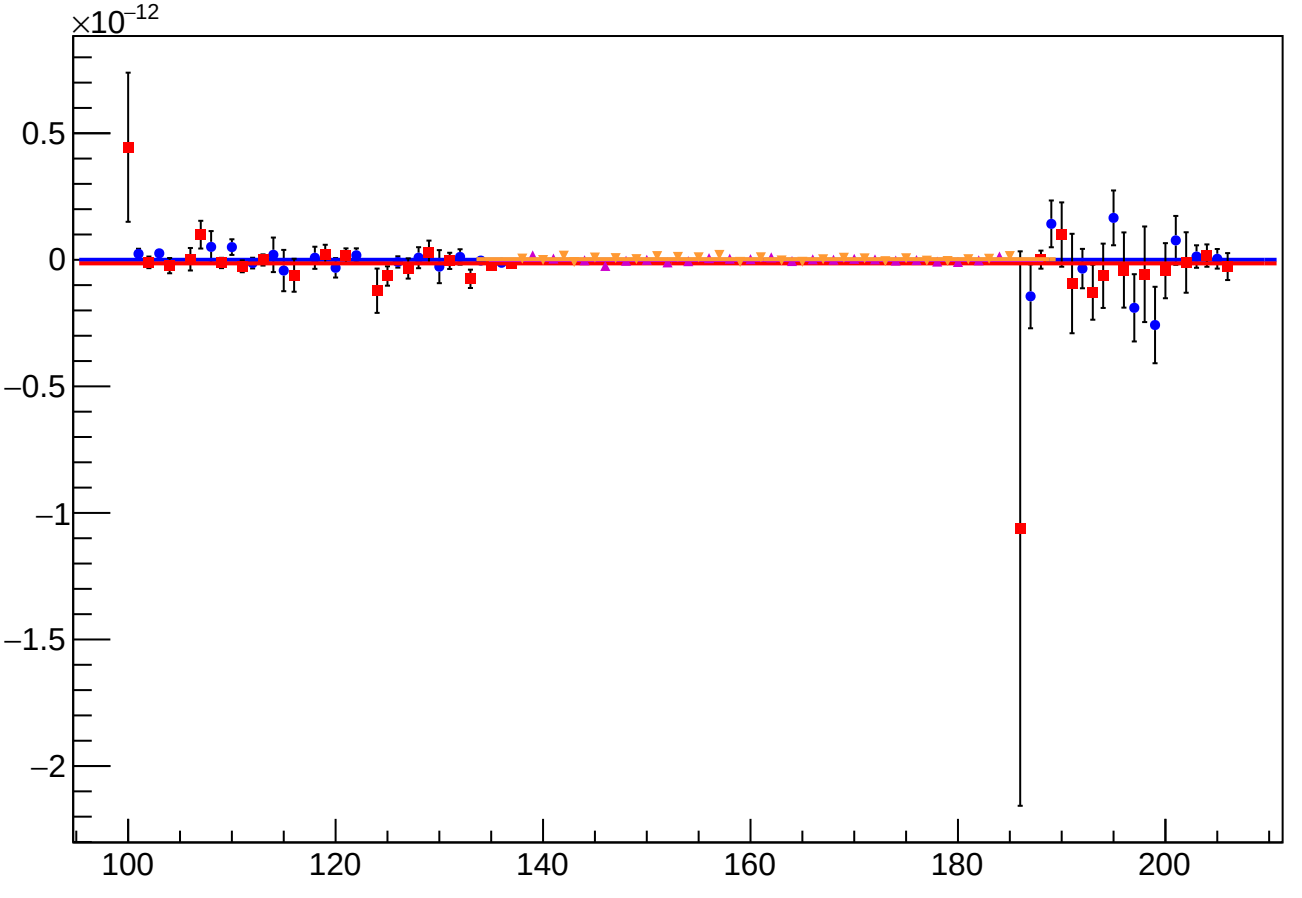
Right Out: 25.402+/-0.005 χ^2/NDF: 4540549.7/30

Left In: 20.592+/-0.004 χ^2/NDF:4599496.2/22

+ sign 21.762+/-0.003 χ^2/NDF: 9762892.7/49

All: 22.049+/-0.002 χ^2/NDF: 19491103.3/103

- sign 22.342+/-0.003 χ^2/NDF: 9710131.7/53



Right In: 0.000+/-0.000 χ^2/NDF: 22.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:20.6/24

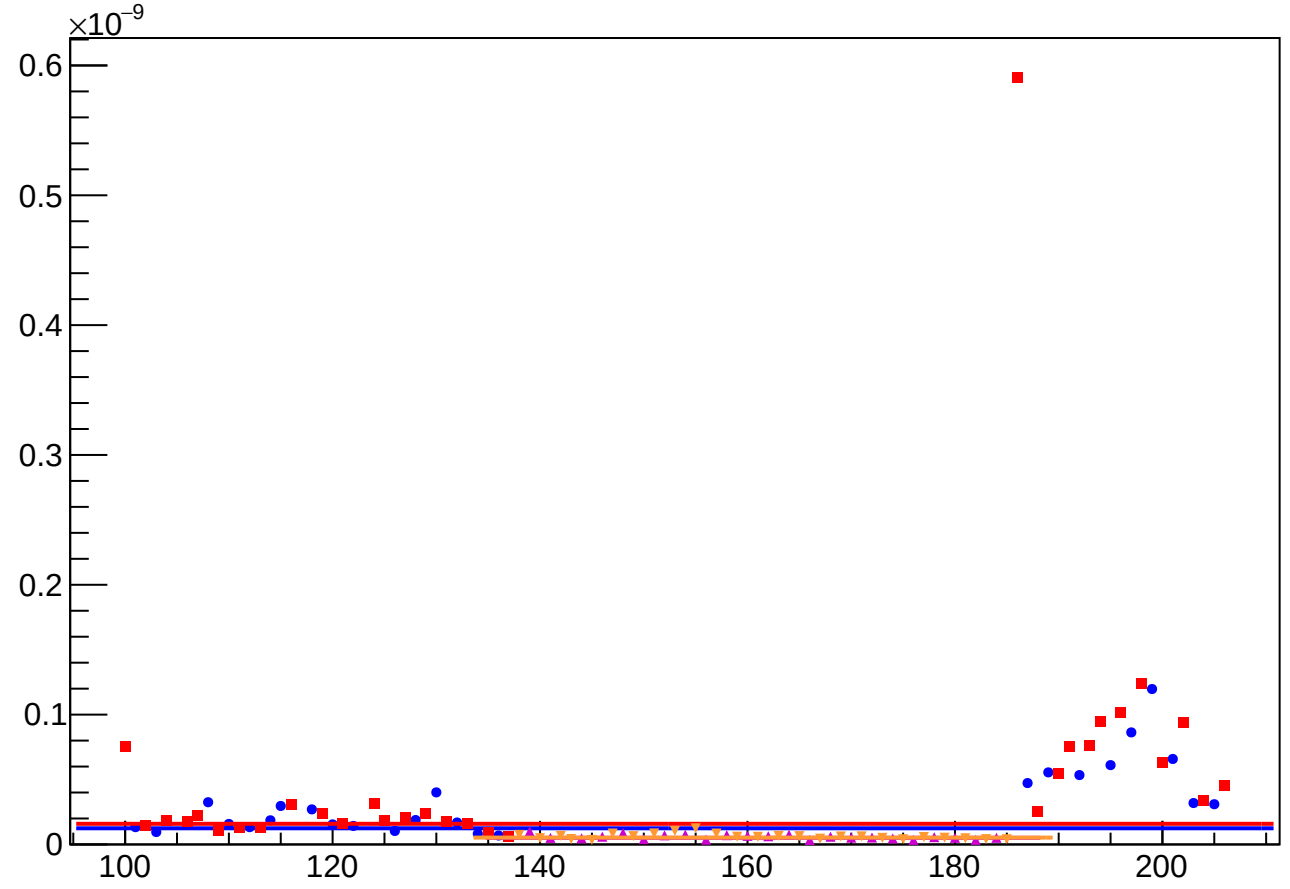
Right Out: -0.000+/-0.000 χ^2/NDF: 21.6/30

Left In: -0.000+/-0.000 χ^2/NDF:21.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 43.2/49

All: 0.000+/-0.000 χ^2/NDF: 94.1/103

- sign -0.000+/-0.000 χ^2/NDF: 47.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 6651840.5/24

Left Out: 0.000+/-0.000 χ^2/NDF:2053779.9/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7628362.7/30

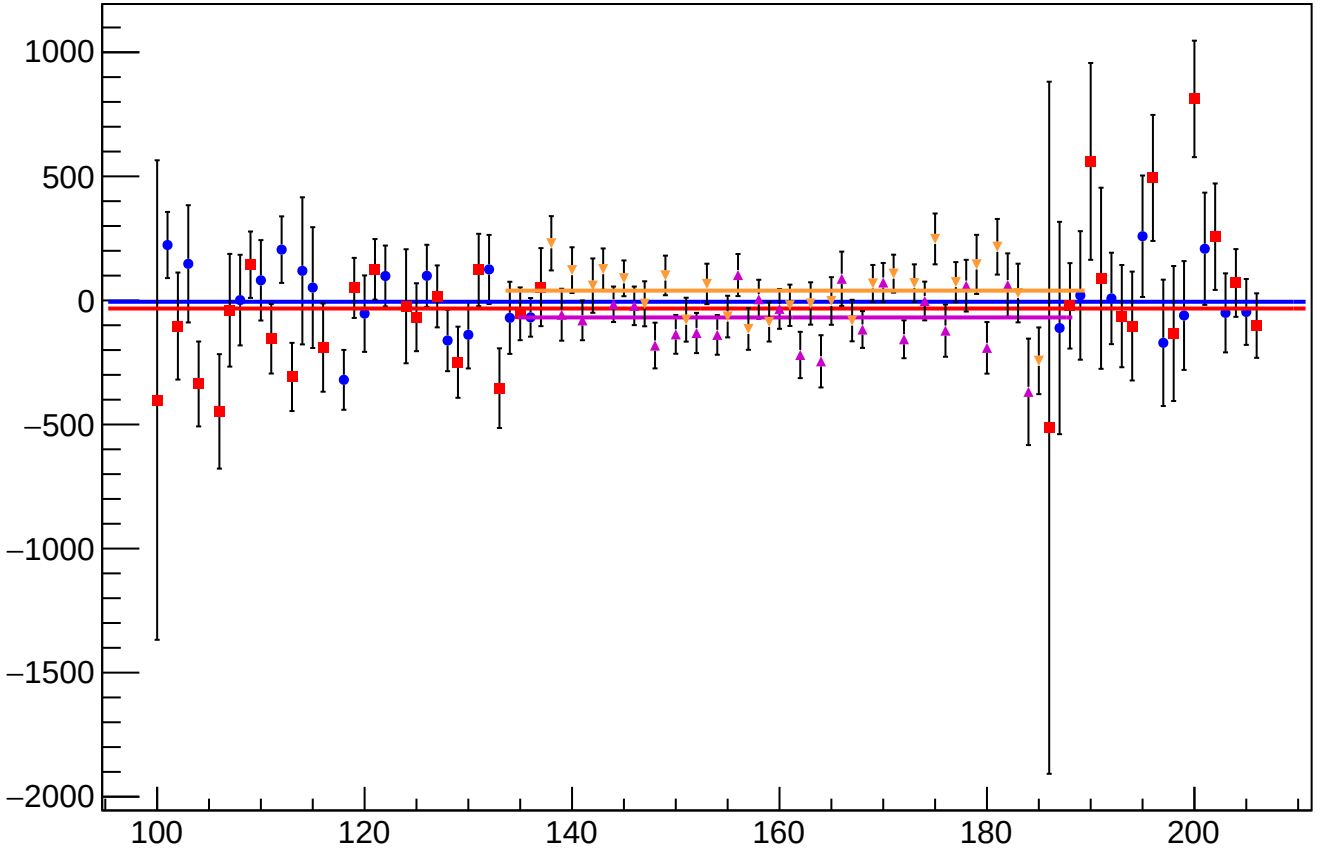
Left In: 0.000+/-0.000 χ^2/NDF:1700889.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 11923899.5/49

All: 0.000+/-0.000 χ^2/NDF: 26889933.6/103

- sign 0.000+/-0.000 χ^2/NDF: 14961854.5/53

reg_asym_sam_2468_avg_mean vs Slug



Right In: -5.394+/-30.582 χ^2/NDF: 21.7/24

Left Out: 39.477+/-17.666 χ^2/NDF:31.9/24

Right Out: -32.599+/-30.206 χ^2/NDF: 46.7/30

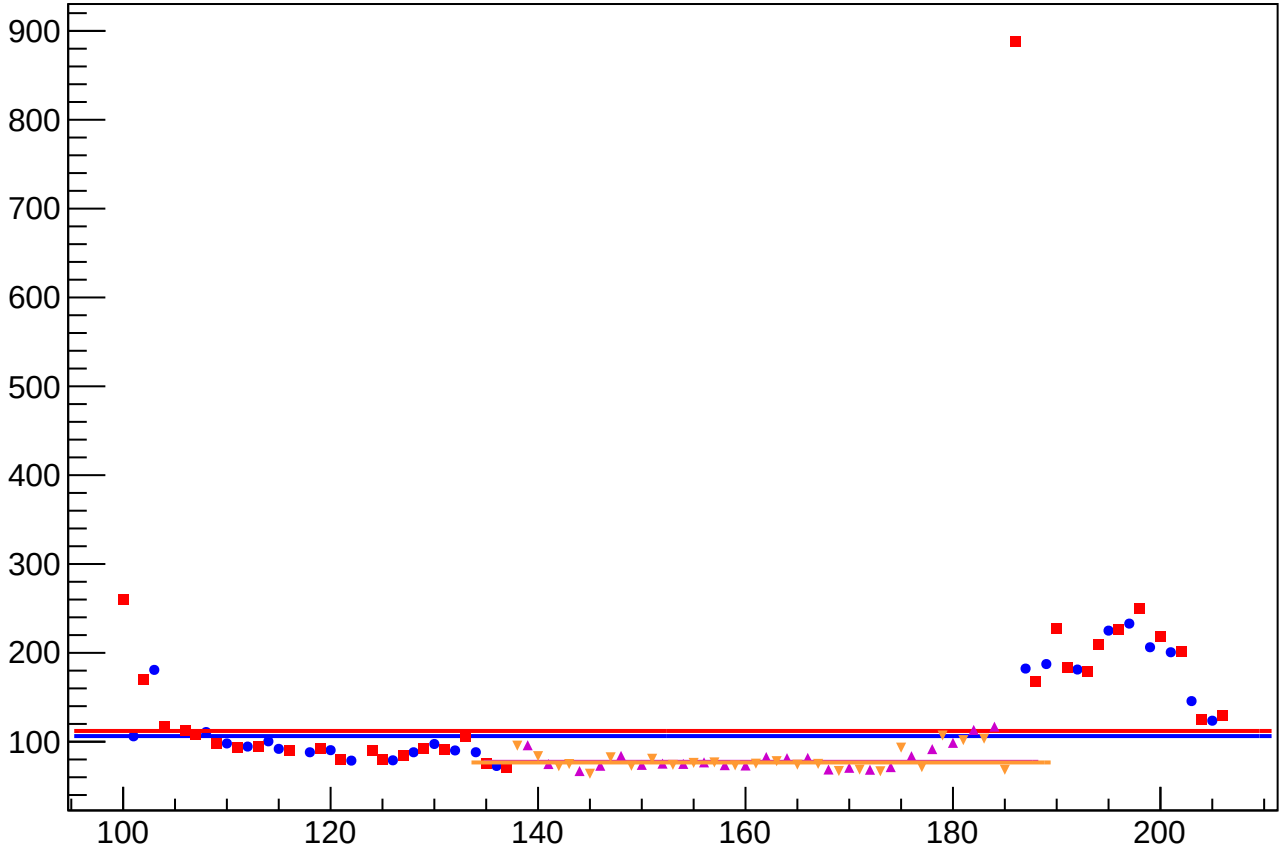
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 28.250+/-15.297 χ^2/NDF: 55.3/49

All: -14.315+/-10.944 χ^2/NDF: 147.9/103

- sign -58.935+/-15.662 χ^2/NDF: 76.8/53

reg_asym_sam_2468_avg_rms vs Slug



Right In: 106.329+/-0.022 χ^2/NDF: 3449652.9/24

Left Out: 76.646+/-0.012 χ^2/NDF:654608.6/24

Right Out: 112.098+/-0.021 χ^2/NDF: 4608233.6/30

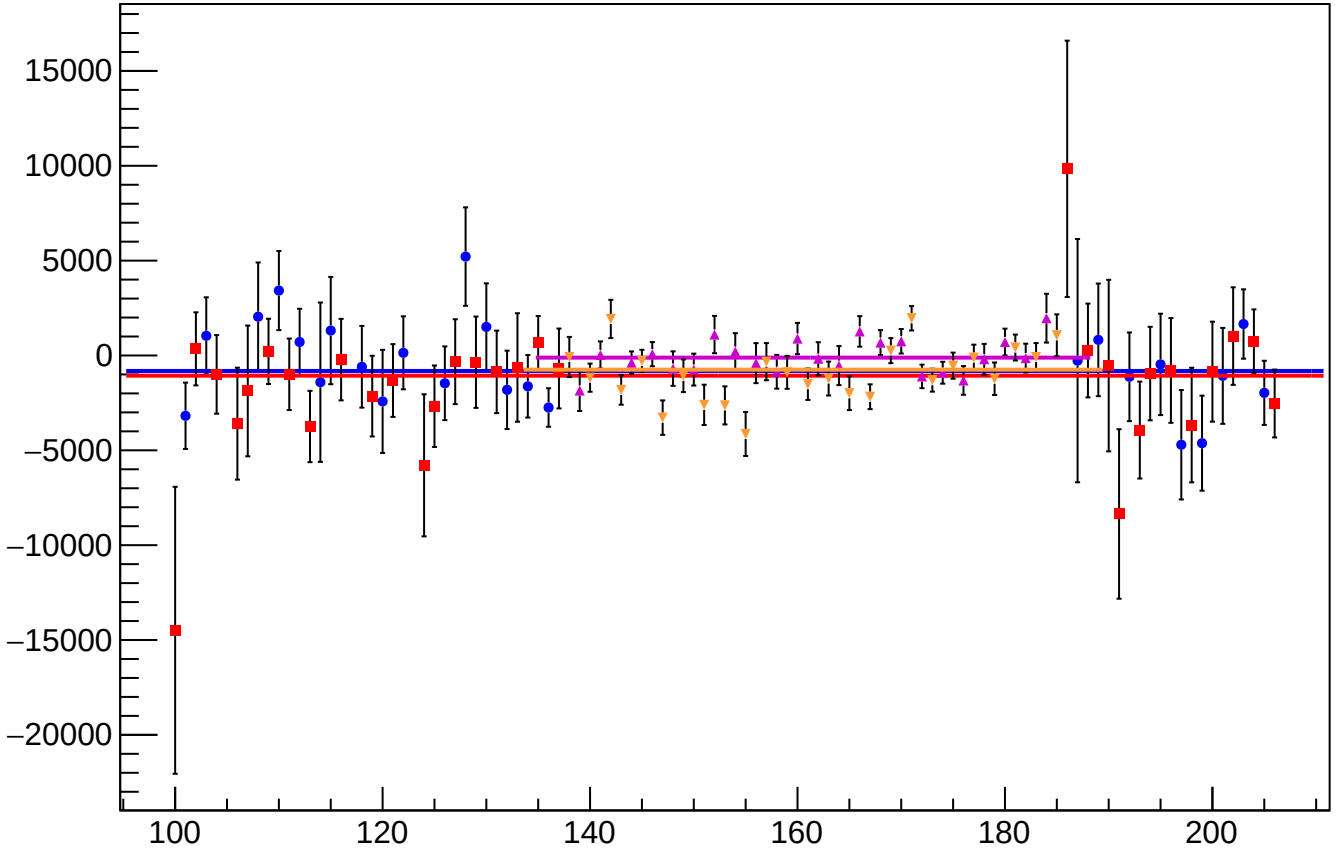
Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 84.073+/-0.011 χ^2/NDF: 5516900.8/49

All: 85.351+/-0.008 χ^2/NDF: 12679393.5/103

- sign 86.691+/-0.011 χ^2/NDF: 7133893.0/53

asym_sam_2468_avg_reg_correction_mean vs Slug



Right In: -816.143+/-416.265 χ^2/NDF: 27.1/24

Left Out: -749.641+/-158.081 χ^2/NDF:70.0/24

Right Out: -1064.712+/-412.942 χ^2/NDF: 21.5/30

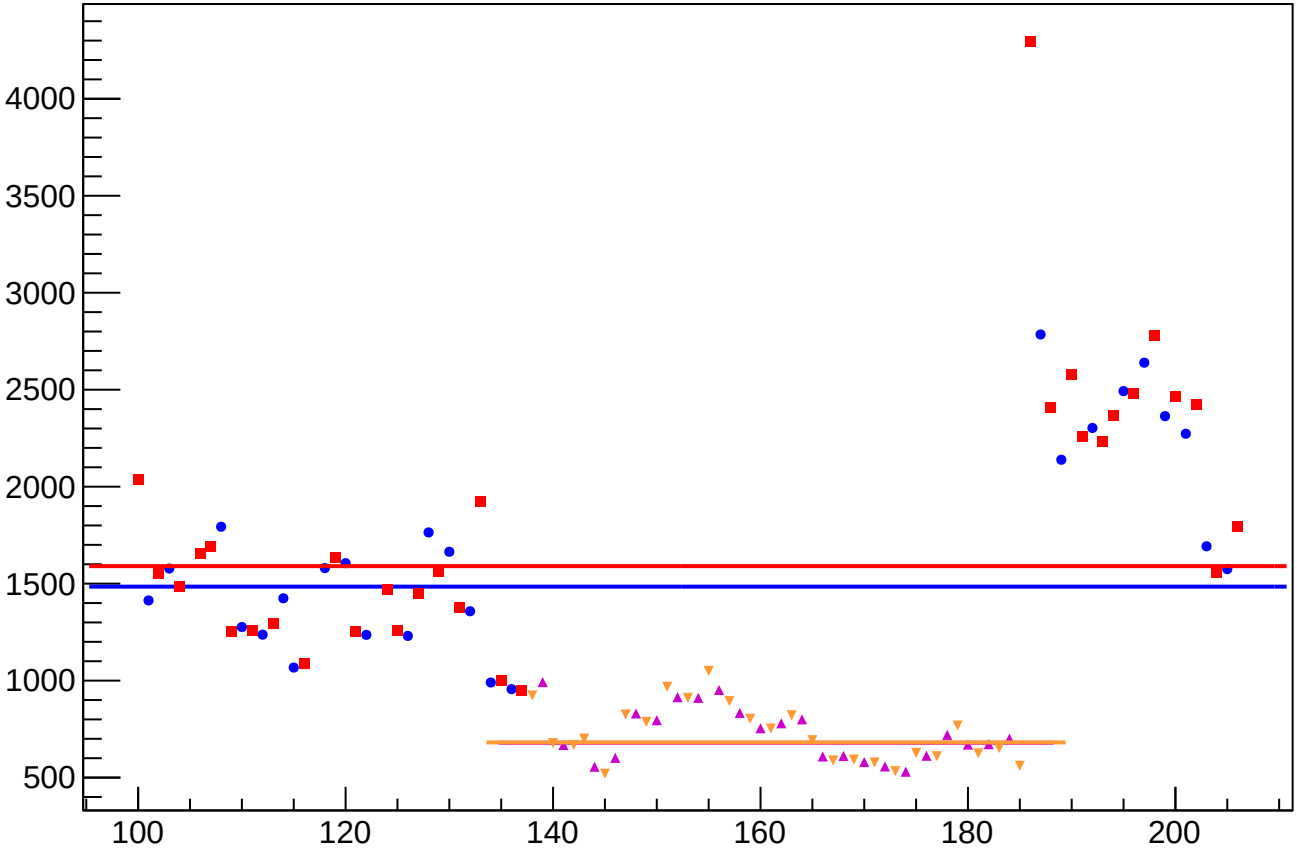
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -758.023+/-147.783 χ^2/NDF: 97.1/49

All: -504.179+/-105.500 χ^2/NDF: 154.3/103

- sign -240.370+/-150.656 χ^2/NDF: 51.2/53

asym_sam_2468_avg_reg_correction_rms vs Slug



Right In: 1484.568+/-0.294 χ^2/NDF: 2476182.5/24

Left Out: 681.427+/-0.112 χ^2/NDF:1334213.4/24

Right Out: 1590.305+/-0.292 χ^2/NDF: 2999117.0/30

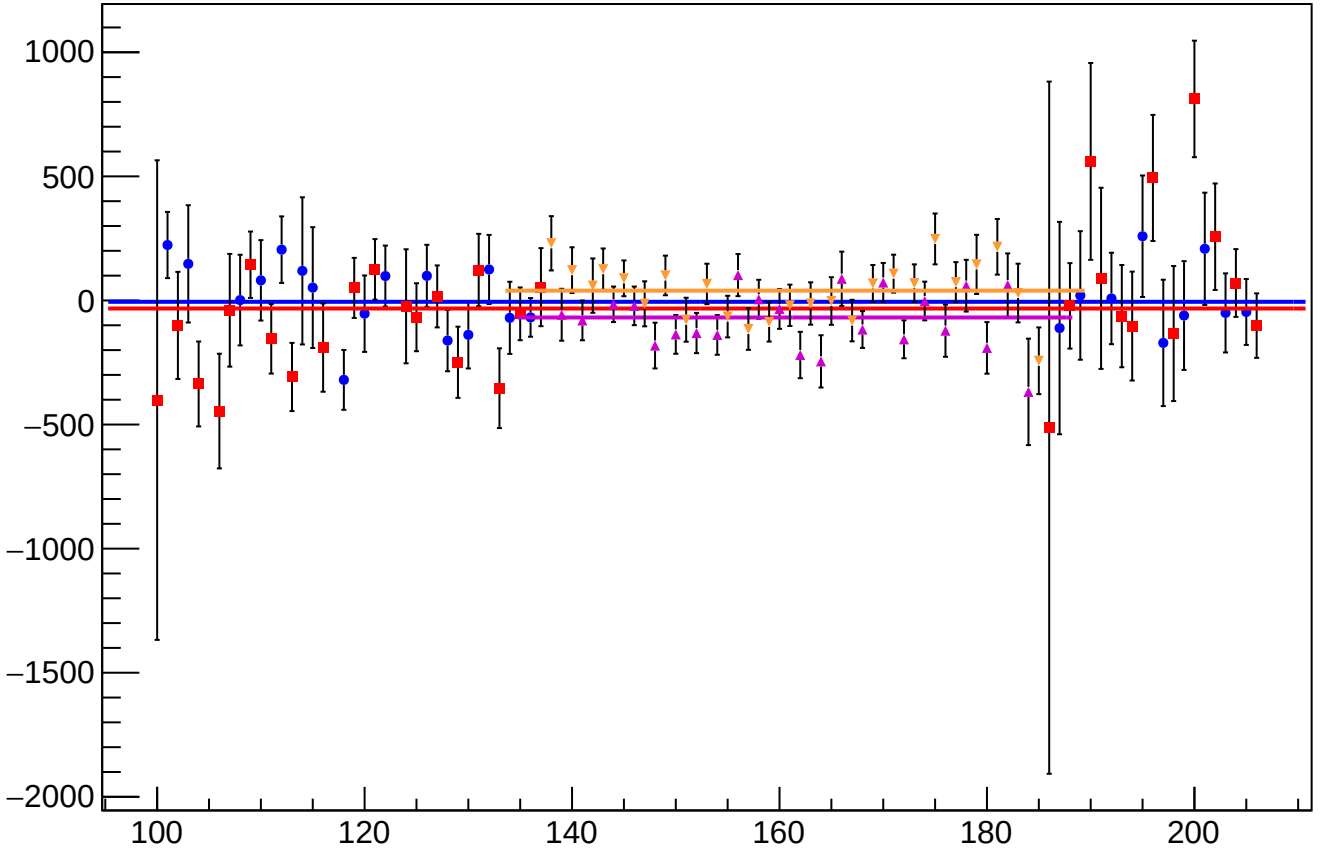
Left In: 679.413+/-0.114 χ^2/NDF:1185267.0/22

+ sign 782.655+/-0.104 χ^2/NDF: 10317159.3/49

All: 791.483+/-0.075 χ^2/NDF: 22952382.1/10

- sign 800.657+/-0.107 χ^2/NDF: 12620669.2/53

cor_asym_sam_2468_avg_mean vs Slug



Right In: -5.405+/-30.582 χ^2/NDF: 21.7/24

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -32.491+/-30.208 χ^2/NDF: 46.7/30

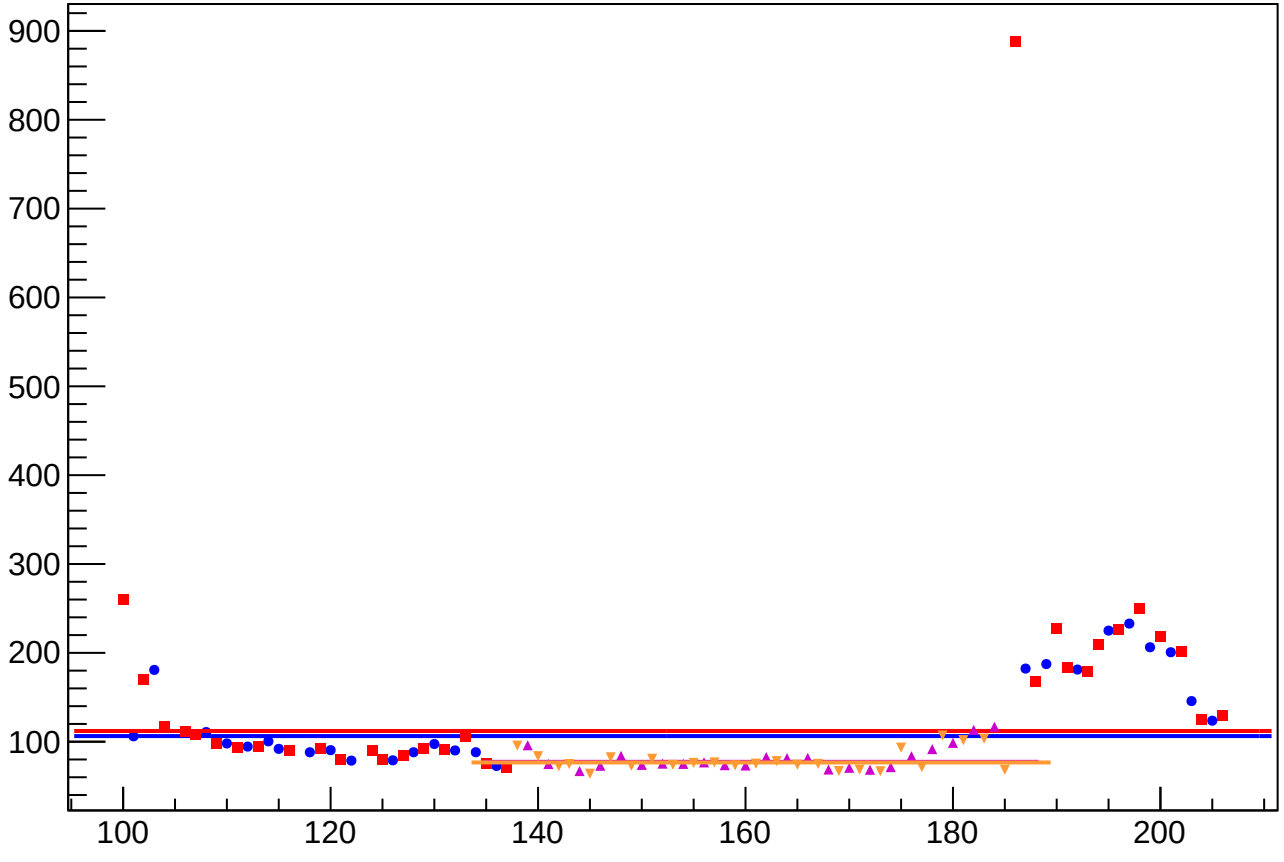
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 28.253+/-15.297 χ^2/NDF: 55.3/49

All: -14.299+/-10.944 χ^2/NDF: 147.8/103

- sign -58.907+/-15.663 χ^2/NDF: 76.7/53

cor_asym_sam_2468_avg_rms vs Slug



Right In: 106.329+/-0.022 χ^2/NDF: 3449656.4/24

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

Right Out: 112.076+/-0.021 χ^2/NDF: 4608479.9/30

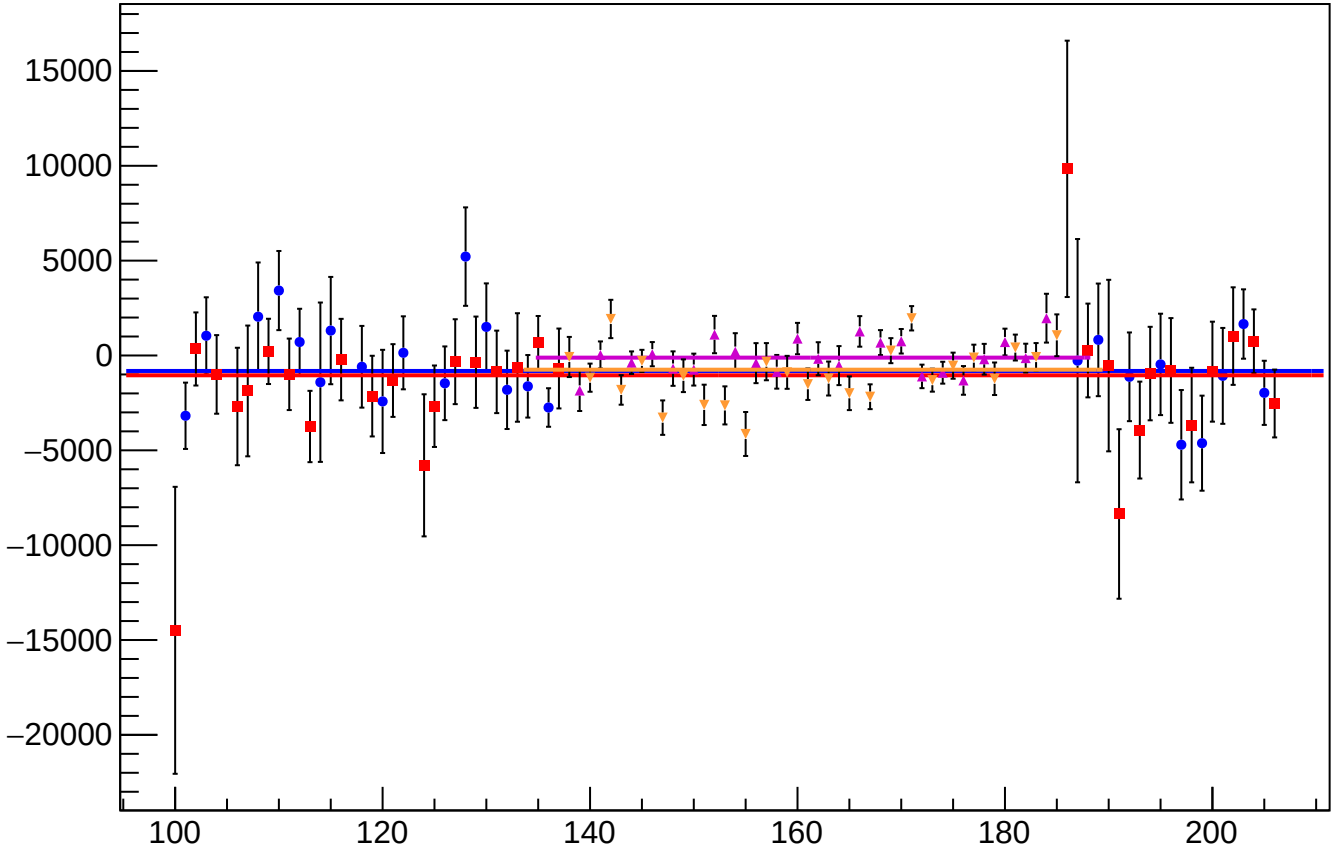
Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 84.073+/-0.011 χ^2/NDF: 5516904.3/49

All: 85.348+/-0.008 χ^2/NDF: 12676912.8/103

- sign 86.684+/-0.011 χ^2/NDF: 7131551.6/53

asym_sam_2468_avg_cor_correction_mean vs Slug



Right In: -816.115+/-416.266 χ^2/NDF: 27.1/24

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

Right Out: -1044.421+/-413.326 χ^2/NDF: 21.1/30

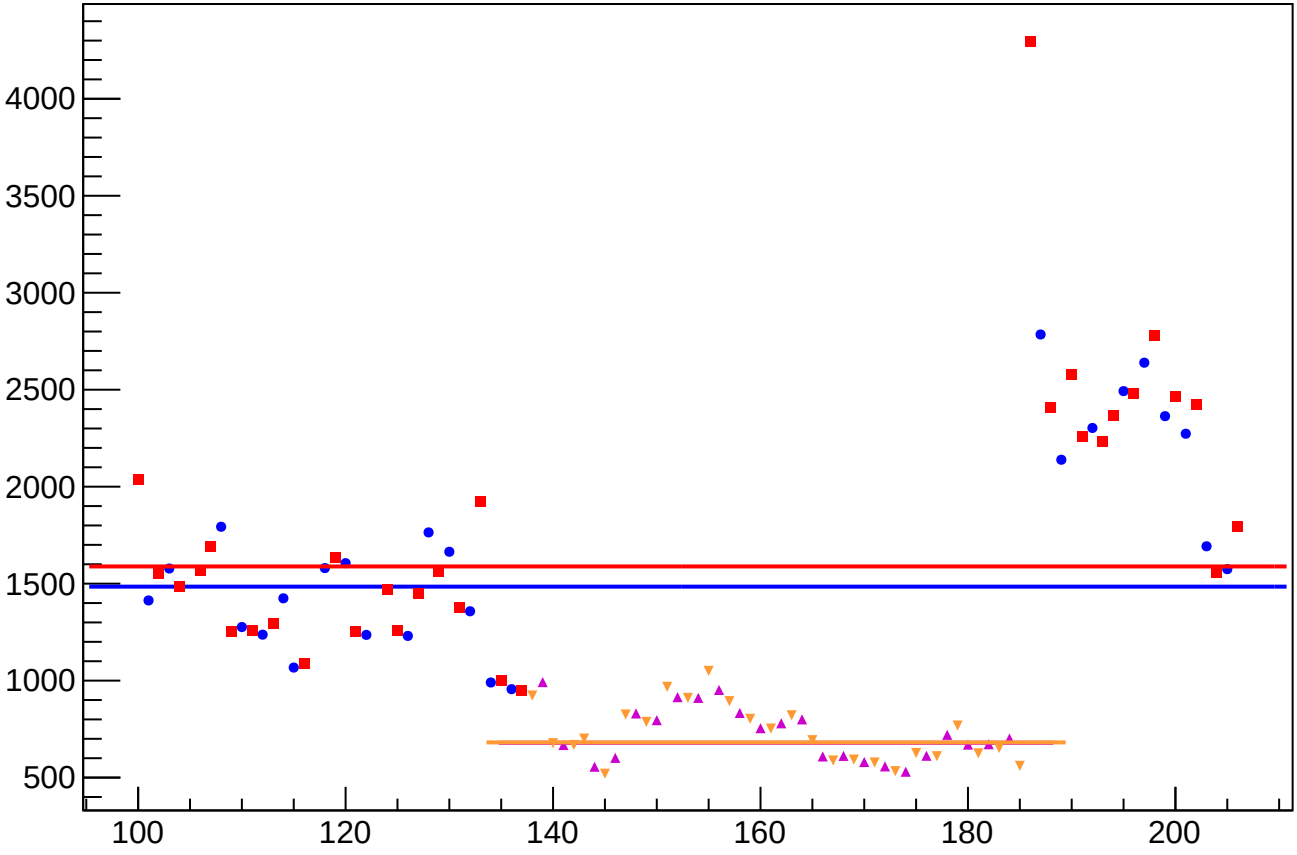
Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -758.012+/-147.783 χ^2/NDF: 97.1/49

All: -502.783+/-105.506 χ^2/NDF: 153.7/103

- sign -237.470+/-150.675 χ^2/NDF: 50.5/53

asym_sam_2468_avg_cor_correction_rms vs Slug



Right In: 1484.572+/-0.294 χ^2/NDF: 2476196.4/24

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1588.698+/-0.292 χ^2/NDF: 2998177.1/30

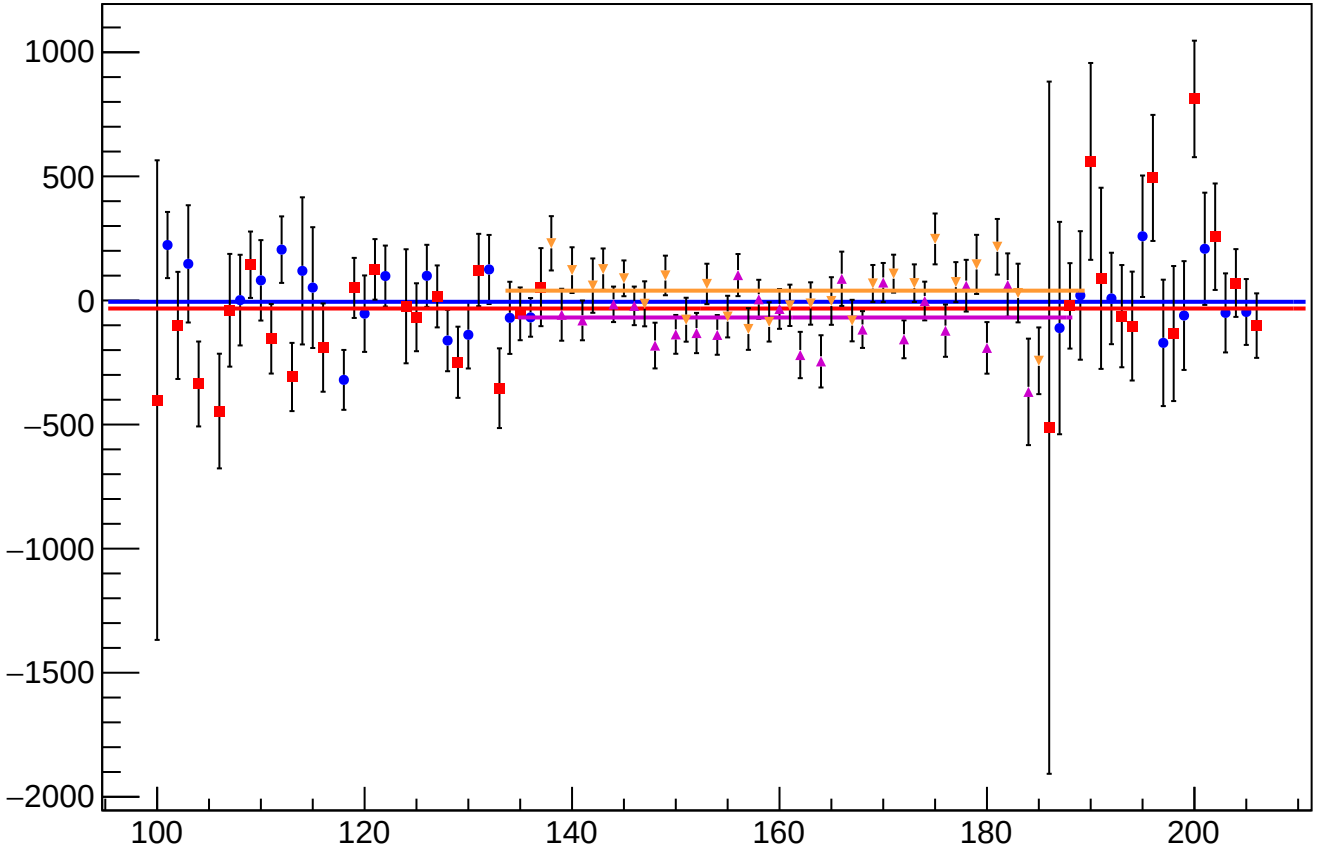
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 782.655+/-0.104 χ^2/NDF: 10317205.2/49

All: 791.281+/-0.075 χ^2/NDF: 22907541.2/10

- sign 800.249+/-0.107 χ^2/NDF: 12576436.9/53

eigen_cor_asym_sam_2468_avg_mean vs Slug



Right In: -5.405+/-30.582 χ^2/NDF: 21.7/24

Left Out: 39.484+/-17.666 χ^2/NDF:31.9/24

Right Out: -32.491+/-30.208 χ^2/NDF: 46.7/30

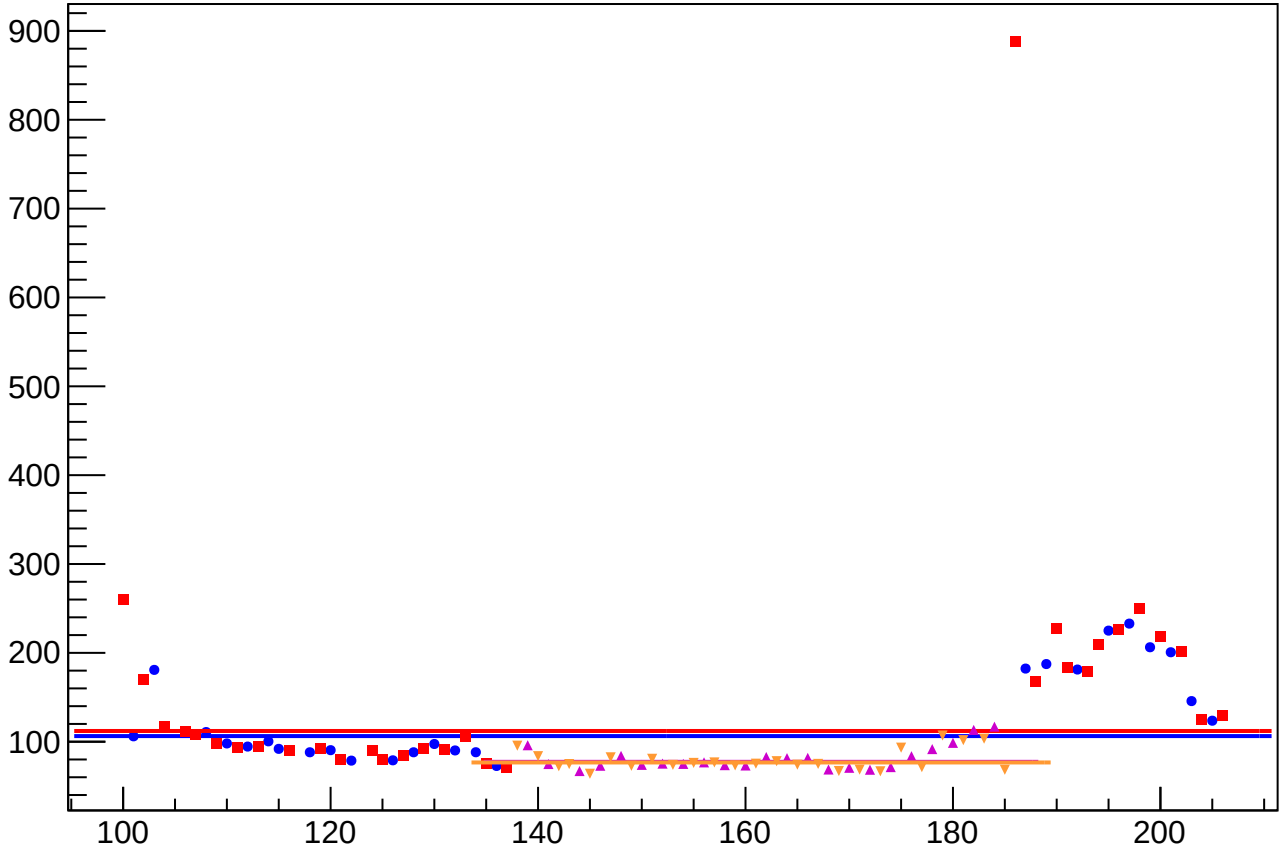
Left In: -68.620+/-18.317 χ^2/NDF:29.0/22

+ sign 28.253+/-15.297 χ^2/NDF: 55.3/49

All: -14.299+/-10.944 χ^2/NDF: 147.8/103

- sign -58.907+/-15.663 χ^2/NDF: 76.7/53

eigen_cor_asym_sam_2468_avg_rms vs Slug



Right In: 106.329+/-0.022 χ^2/NDF: 3449656.4/24

Left Out: 76.646+/-0.012 χ^2/NDF:654608.7/24

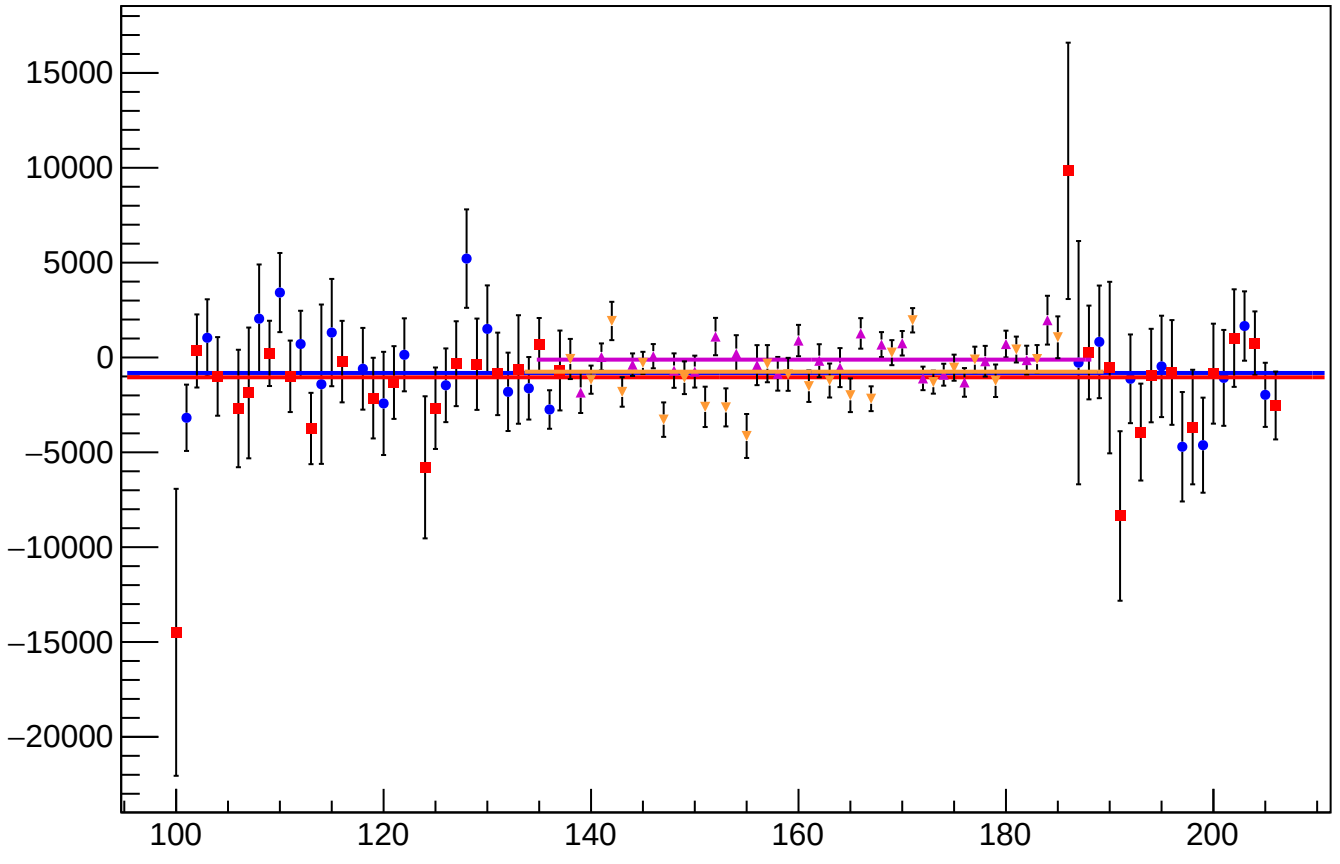
Right Out: 112.076+/-0.021 χ^2/NDF: 4608479.9/30

Left In: 77.348+/-0.013 χ^2/NDF:590414.8/22

+ sign 84.073+/-0.011 χ^2/NDF: 5516904.3/49

All: 85.348+/-0.008 χ^2/NDF: 12676912.8/103

- sign 86.684+/-0.011 χ^2/NDF: 7131551.6/53



Right In: -816.115+/-416.266 χ^2/NDF: 27.1/24

Left Out: -749.632+/-158.081 χ^2/NDF:70.0/24

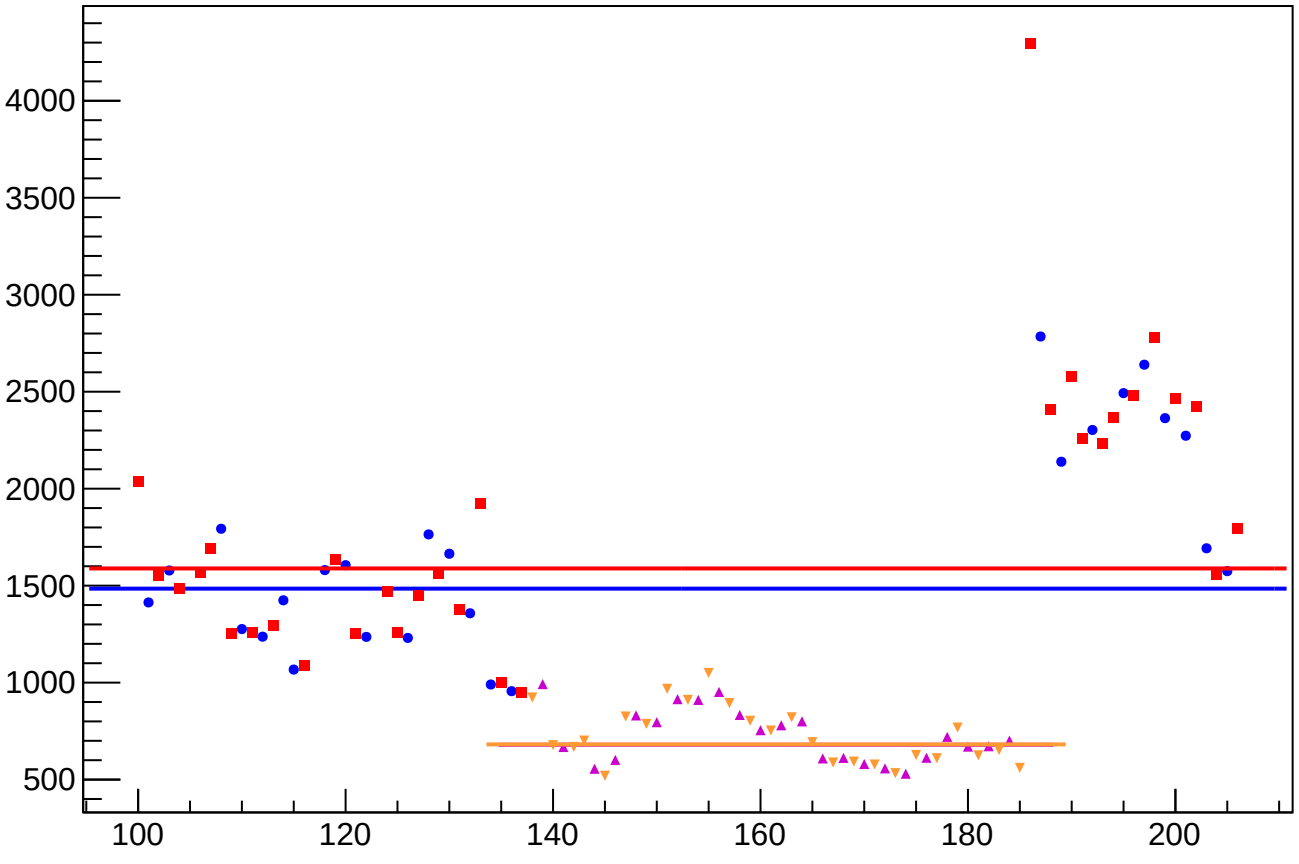
Right Out: -1044.421+/-413.326 χ^2/NDF: 21.1/30

Left In: -113.799+/-161.809 χ^2/NDF:25.1/22

+ sign -758.012+/-147.783 χ^2/NDF: 97.1/49

All: -502.783+/-105.506 χ^2/NDF: 153.7/103

- sign -237.470+/-150.675 χ^2/NDF: 50.5/53



Right In: 1484.572+/-0.294 χ^2/NDF: 2476196.4/24

Left Out: 681.426+/-0.112 χ^2/NDF:1334214.9/24

Right Out: 1588.698+/-0.292 χ^2/NDF: 2998177.1/30

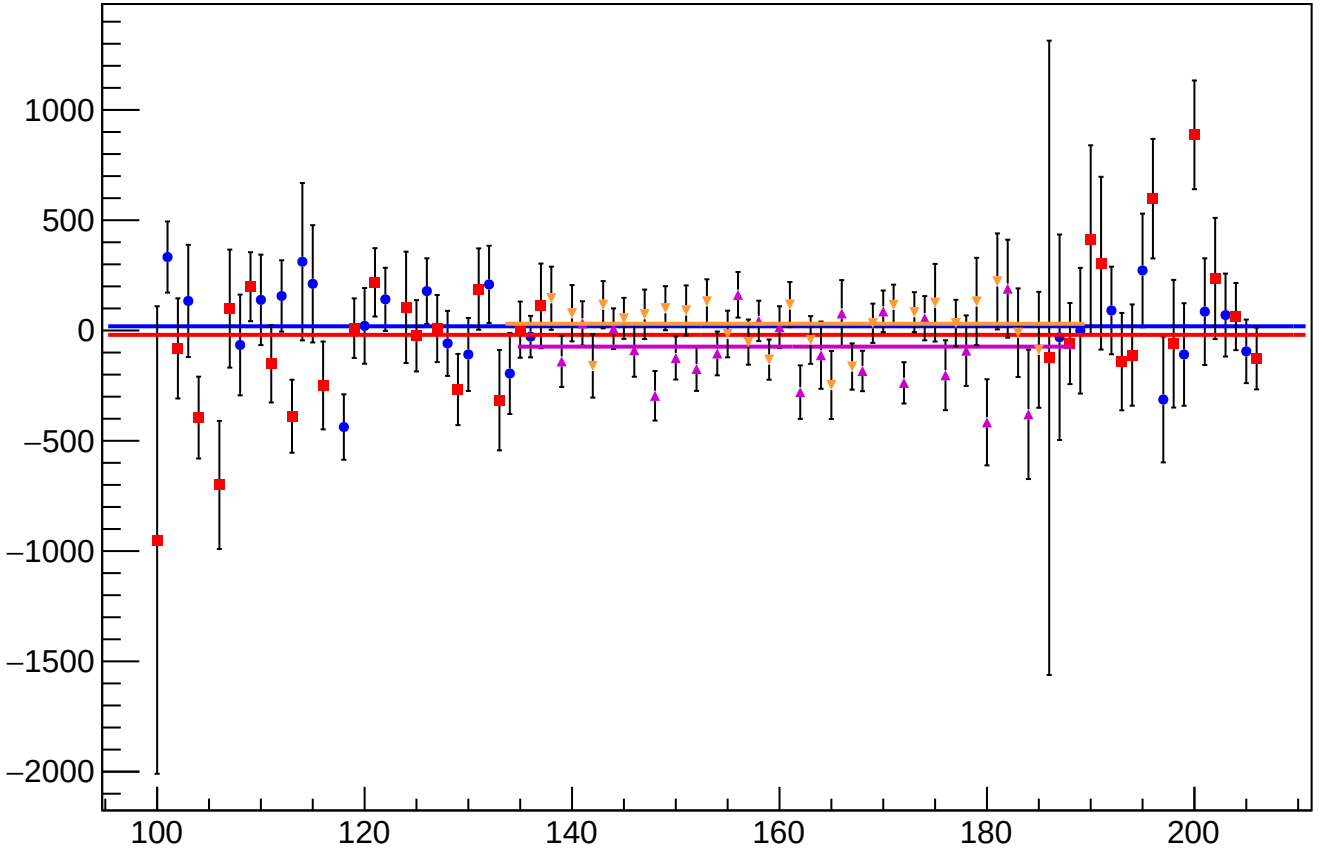
Left In: 679.414+/-0.114 χ^2/NDF:1185265.0/22

+ sign 782.655+/-0.104 χ^2/NDF: 10317205.2/49

All: 791.281+/-0.075 χ^2/NDF: 22907541.2/10

- sign 800.249+/-0.107 χ^2/NDF: 12576436.9/53

dit_asym_sam_2468_avg_mean vs Slug



Right In: 19.129+/-36.030 χ^2/NDF: 24.9/24

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -19.703+/-35.121 χ^2/NDF: 50.7/30

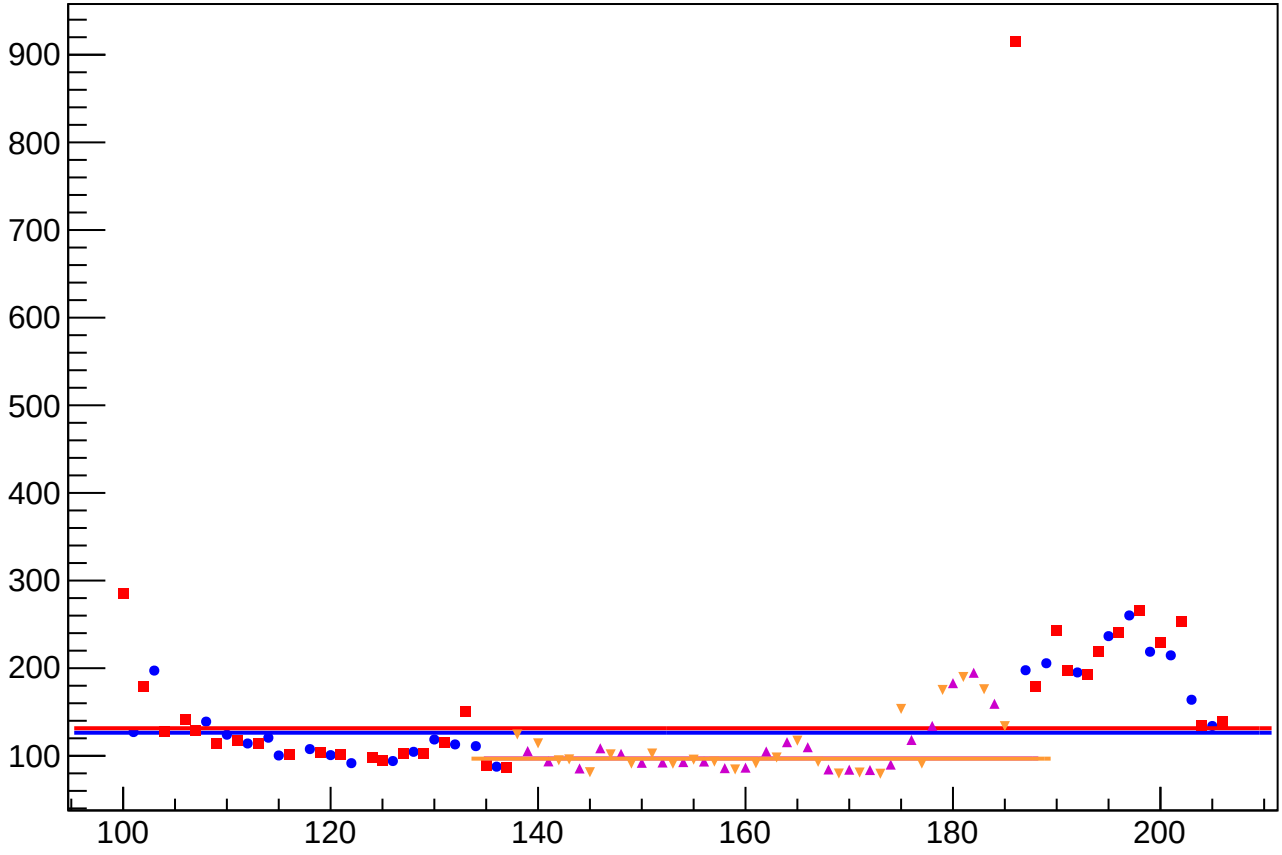
Left In: -73.147+/-23.510 χ^2/NDF:34.5/22

+ sign 27.368+/-19.300 χ^2/NDF: 44.9/49

All: -14.108+/-13.730 χ^2/NDF: 141.1/103

- sign -56.609+/-19.537 χ^2/NDF: 86.8/53

dit_asym_sam_2468_avg_rms vs Slug



Right In: 126.388+/-0.025 χ^2/NDF: 2811896.2/24

Left Out: 96.794+/-0.016 χ^2/NDF:1720415.9/24

Right Out: 131.502+/-0.025 χ^2/NDF: 3875112.9/30

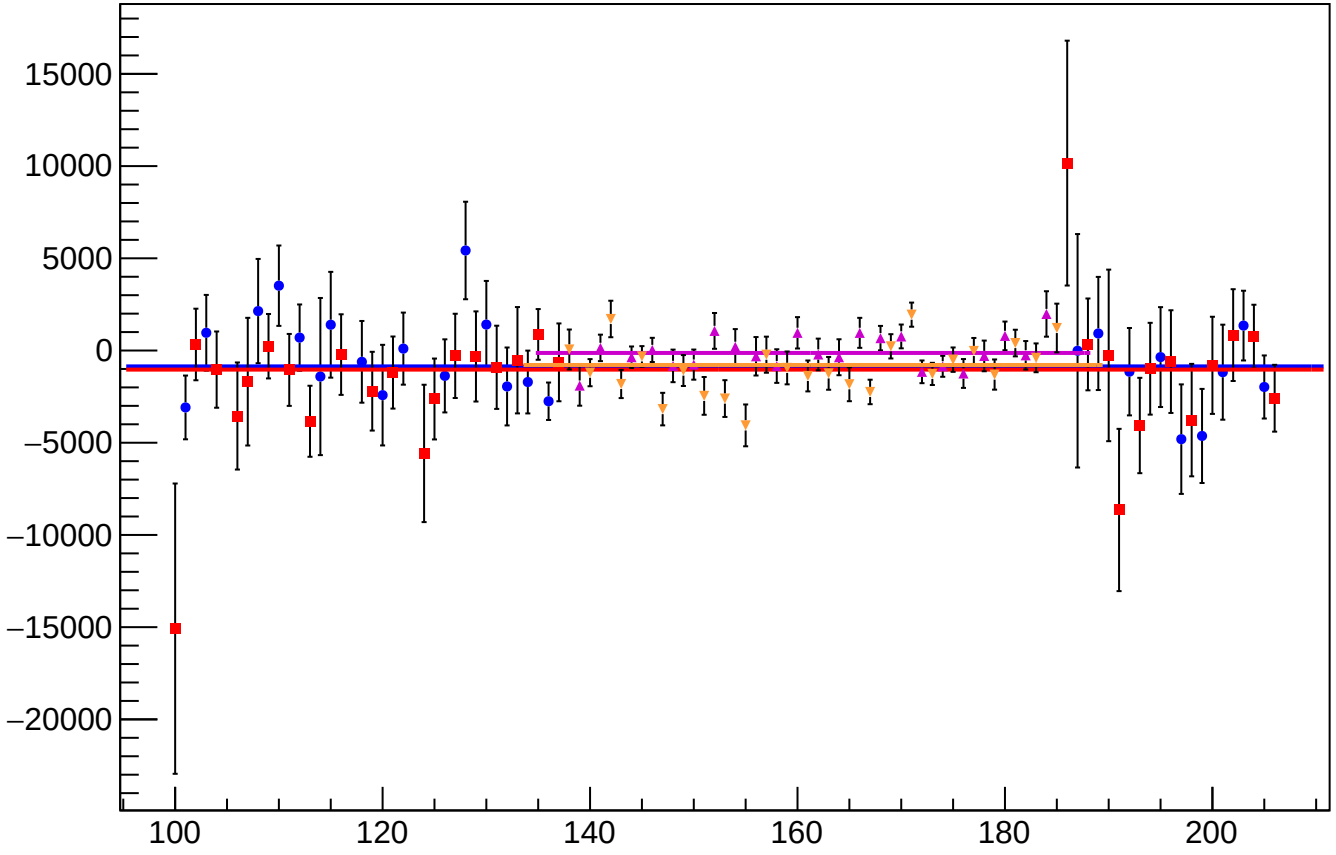
Left In: 97.017+/-0.017 χ^2/NDF:1321187.5/22

+ sign 105.286+/-0.014 χ^2/NDF: 5494384.1/49

All: 106.472+/-0.010 χ^2/NDF: 12037522.5/10

- sign 107.688+/-0.014 χ^2/NDF: 6527838.5/53

asym_sam_2468_avg_dit_correction_mean vs Slug



Right In: -860.799+/-422.750 χ^2/NDF: 26.4/24

Left Out: -783.756+/-158.329 χ^2/NDF:66.3/24

Right Out: -1035.567+/-416.855 χ^2/NDF: 22.5/30

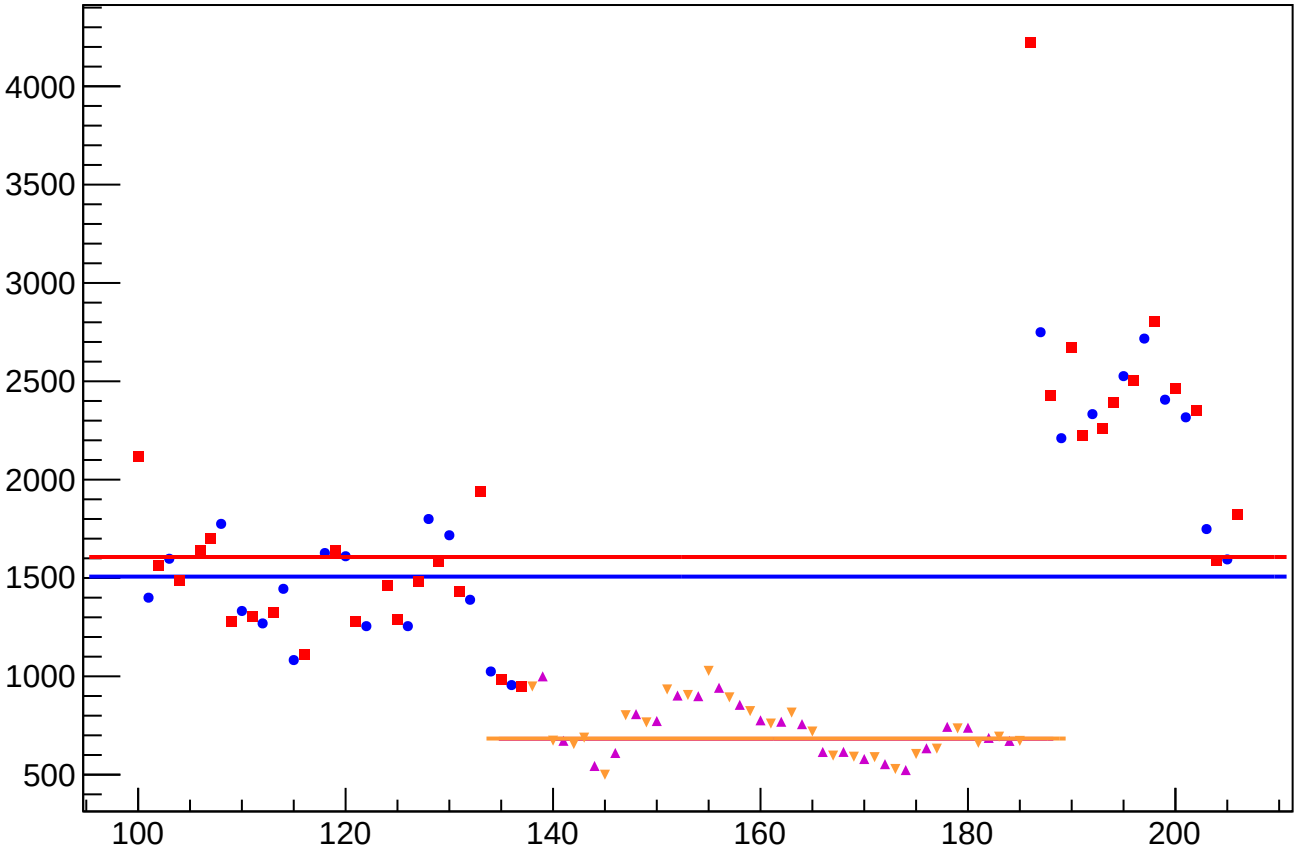
Left In: -131.380+/-162.409 χ^2/NDF:24.3/22

+ sign -793.233+/-148.271 χ^2/NDF: 92.7/49

All: -527.427+/-105.908 χ^2/NDF: 150.2/103

- sign -250.542+/-151.330 χ^2/NDF: 50.9/53

asym_sam_2468_avg_dit_correction_rms vs Slug



Right In: 1507.027+/-0.299 χ^2/NDF: 2518973.2/24

Left Out: 683.698+/-0.112 χ^2/NDF:1297969.4/24

Right Out: 1606.691+/-0.295 χ^2/NDF: 2971013.0/30

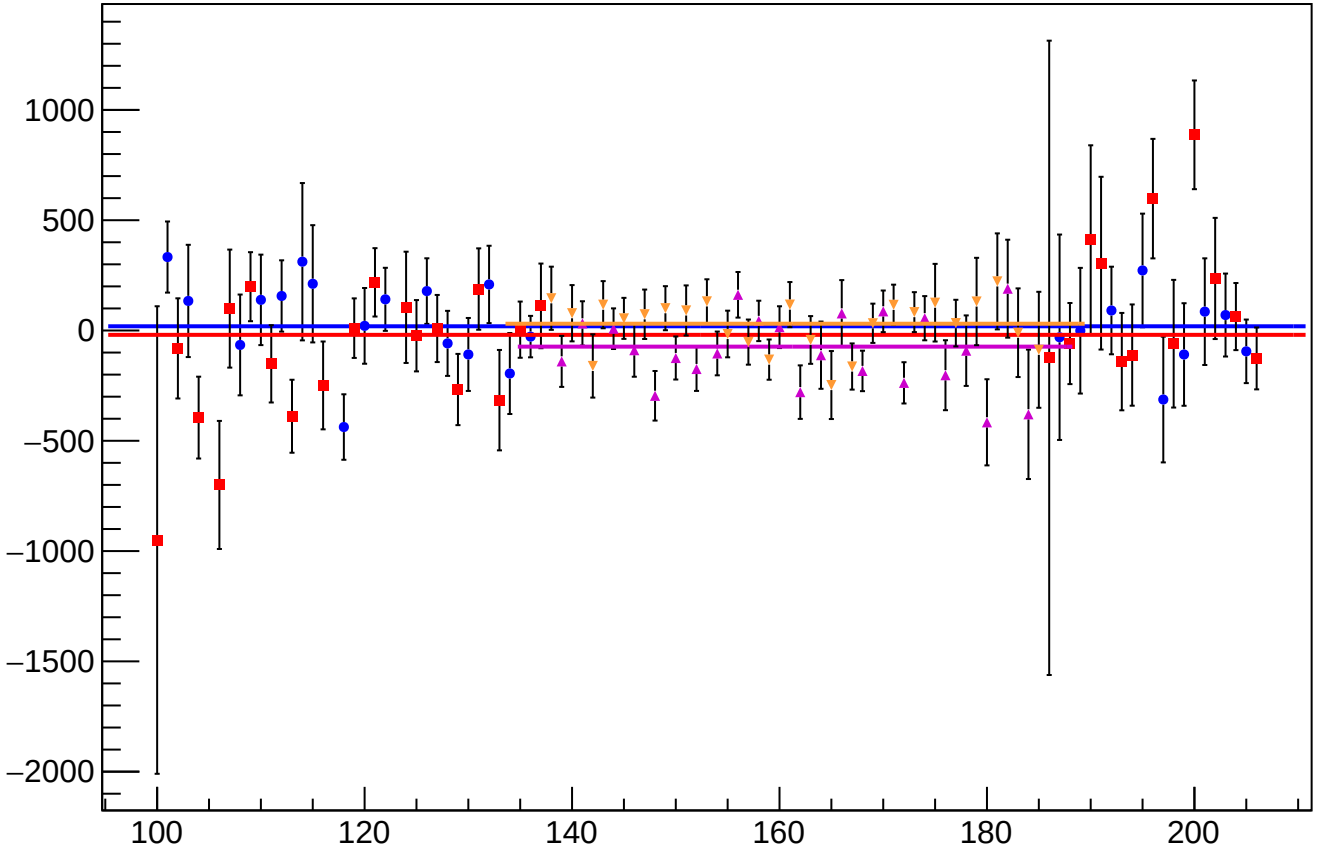
Left In: 681.961+/-0.115 χ^2/NDF:1186135.0/22

+ sign 784.977+/-0.105 χ^2/NDF: 10469738.1/49

All: 794.211+/-0.075 χ^2/NDF: 23187798.8/10

- sign 803.831+/-0.107 χ^2/NDF: 12702222.2/53

eigen_dit_asym_sam_2468_avg_mean vs Slug



Right In: 19.130+/-36.030 χ^2/NDF: 24.9/24

Left Out: 30.684+/-22.856 χ^2/NDF:19.9/24

Right Out: -19.702+/-35.121 χ^2/NDF: 50.7/30

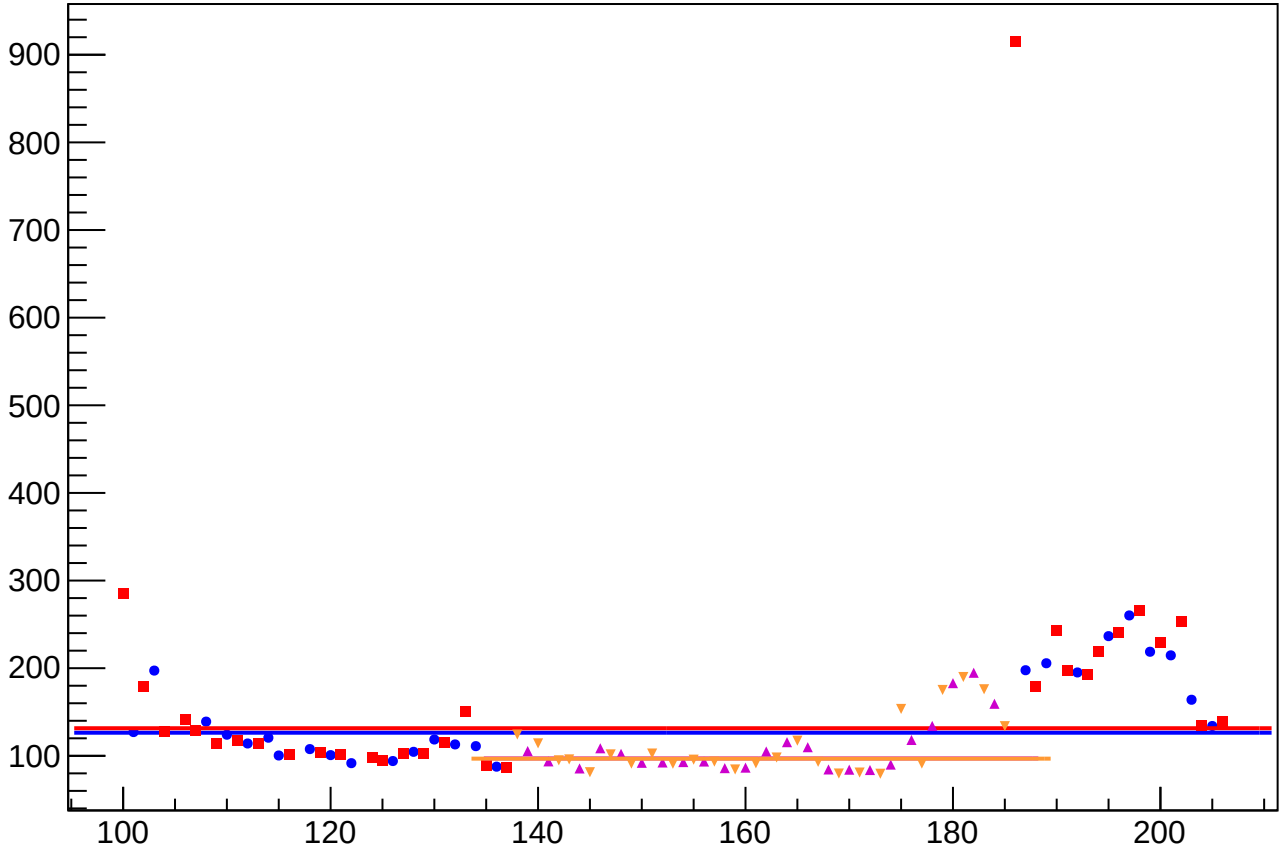
Left In: -73.146+/-23.510 χ^2/NDF:34.5/22

+ sign 27.369+/-19.300 χ^2/NDF: 44.9/49

All: -14.107+/-13.730 χ^2/NDF: 141.1/103

- sign -56.608+/-19.537 χ^2/NDF: 86.8/53

eigen_dit_asym_sam_2468_avg_rms vs Slug



Right In: 126.387+/-0.025 χ^2/NDF: 2811913.8/24

Left Out: 96.795+/-0.016 χ^2/NDF:1720415.9/24

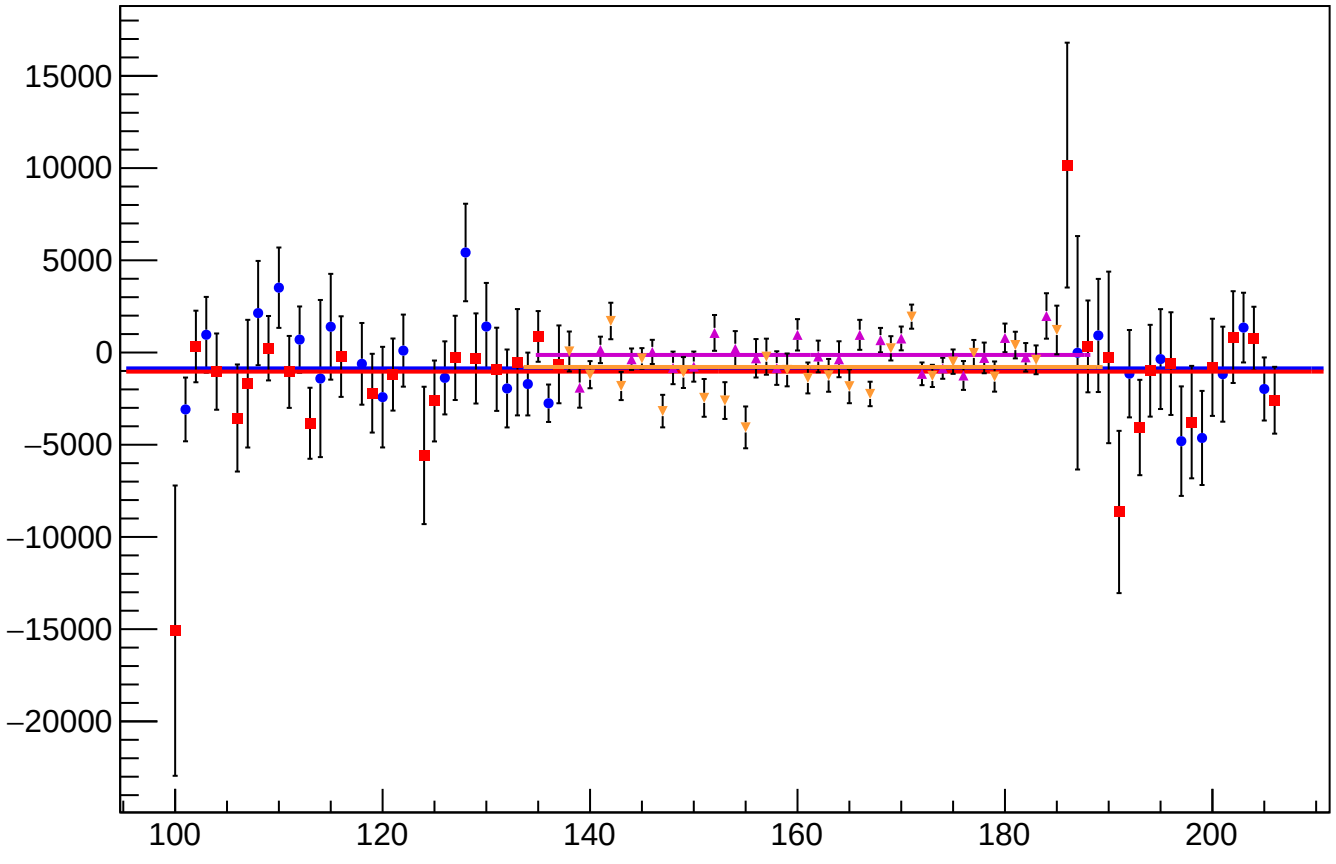
Right Out: 131.501+/-0.025 χ^2/NDF: 3875149.5/30

Left In: 97.017+/-0.017 χ^2/NDF:1321171.2/22

+ sign 105.286+/-0.014 χ^2/NDF: 5494337.1/49

All: 106.472+/-0.010 χ^2/NDF: 12037429.2/10

- sign 107.688+/-0.014 χ^2/NDF: 6527791.8/53



Right In: -860.794+/-422.749 χ^2/NDF: 26.4/24

Left Out: -783.754+/-158.328 χ^2/NDF:66.3/24

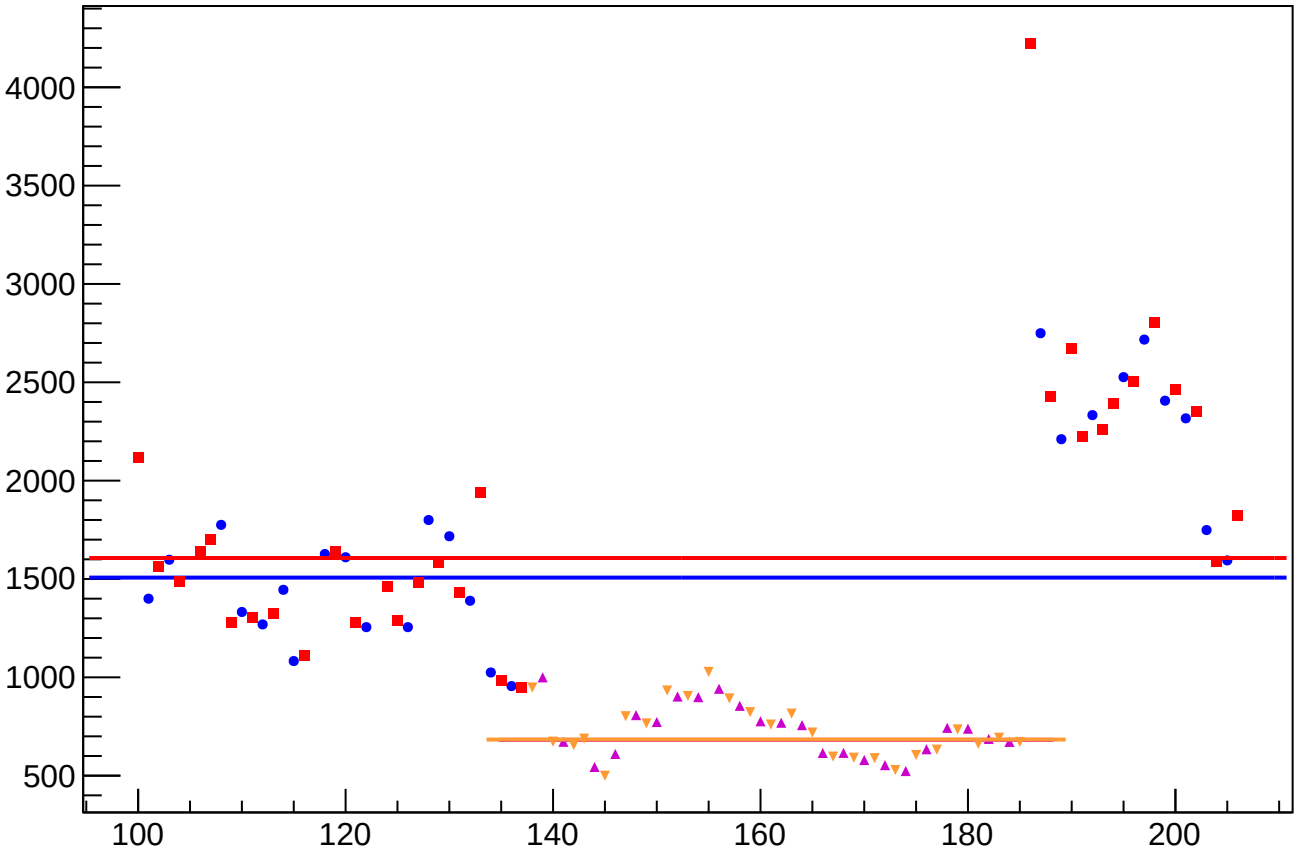
Right Out: -1035.567+/-416.854 χ^2/NDF: 22.5/30

Left In: -131.379+/-162.409 χ^2/NDF:24.3/22

+ sign -793.231+/-148.271 χ^2/NDF: 92.7/49

All: -527.425+/-105.908 χ^2/NDF: 150.2/103

- sign -250.541+/-151.329 χ^2/NDF: 50.9/53



Right In: 1507.024+/-0.299 χ^2/NDF: 2518978.8/24

Left Out: 683.696+/-0.112 χ^2/NDF:1297975.5/24

Right Out: 1606.688+/-0.295 χ^2/NDF: 2971023.3/30

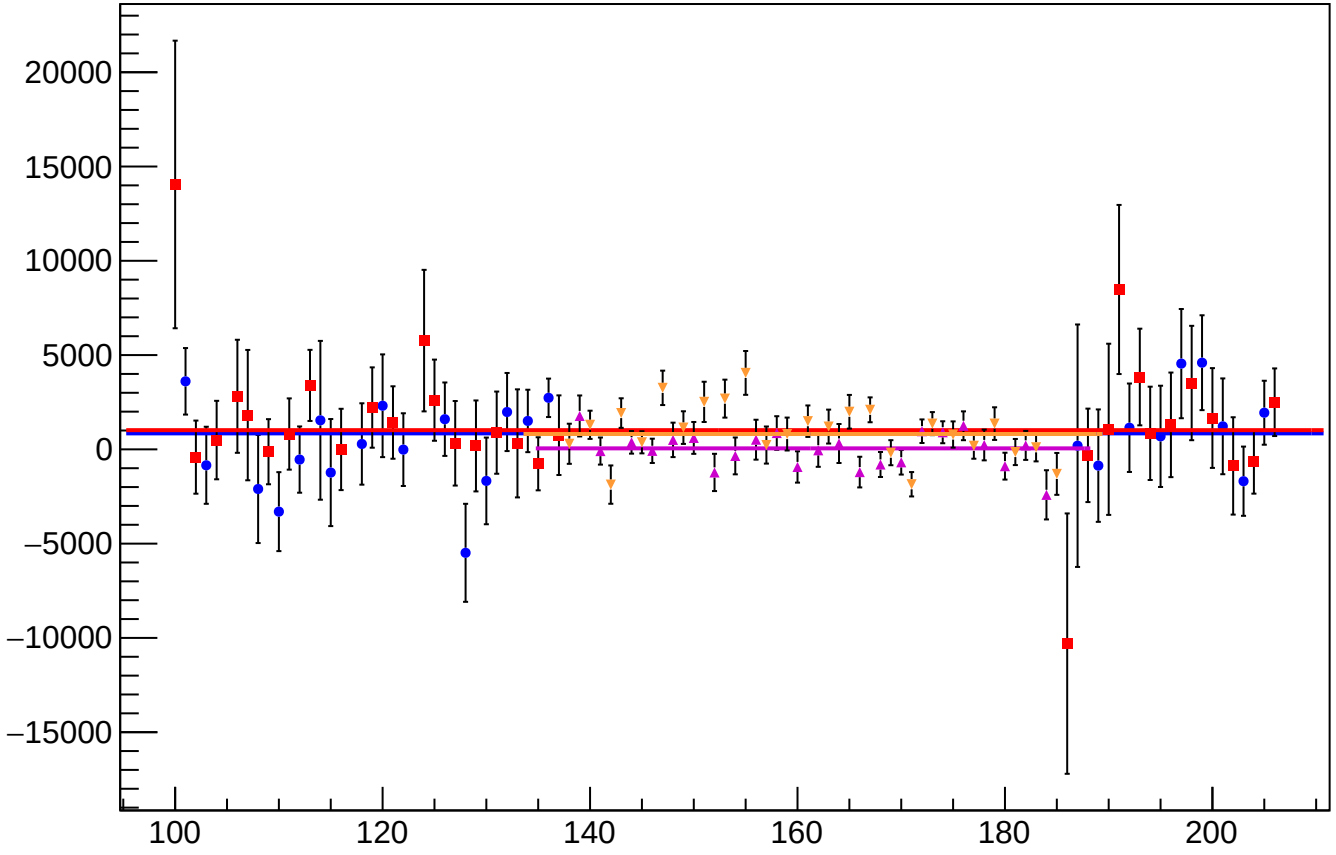
Left In: 681.960+/-0.115 χ^2/NDF:1186136.6/22

+ sign 784.975+/-0.105 χ^2/NDF: 10469751.2/49

All: 794.210+/-0.075 χ^2/NDF: 23187824.5/10

- sign 803.829+/-0.107 χ^2/NDF: 12702234.8/53

asym_sam_2468_avg_mean vs Slug



Right In: 847.233+/-417.800 χ^2/NDF: 27.6/24

Left Out: 814.067+/-159.256 χ^2/NDF:65.8/24

Right Out: 1018.096+/-414.405 χ^2/NDF: 20.5/30

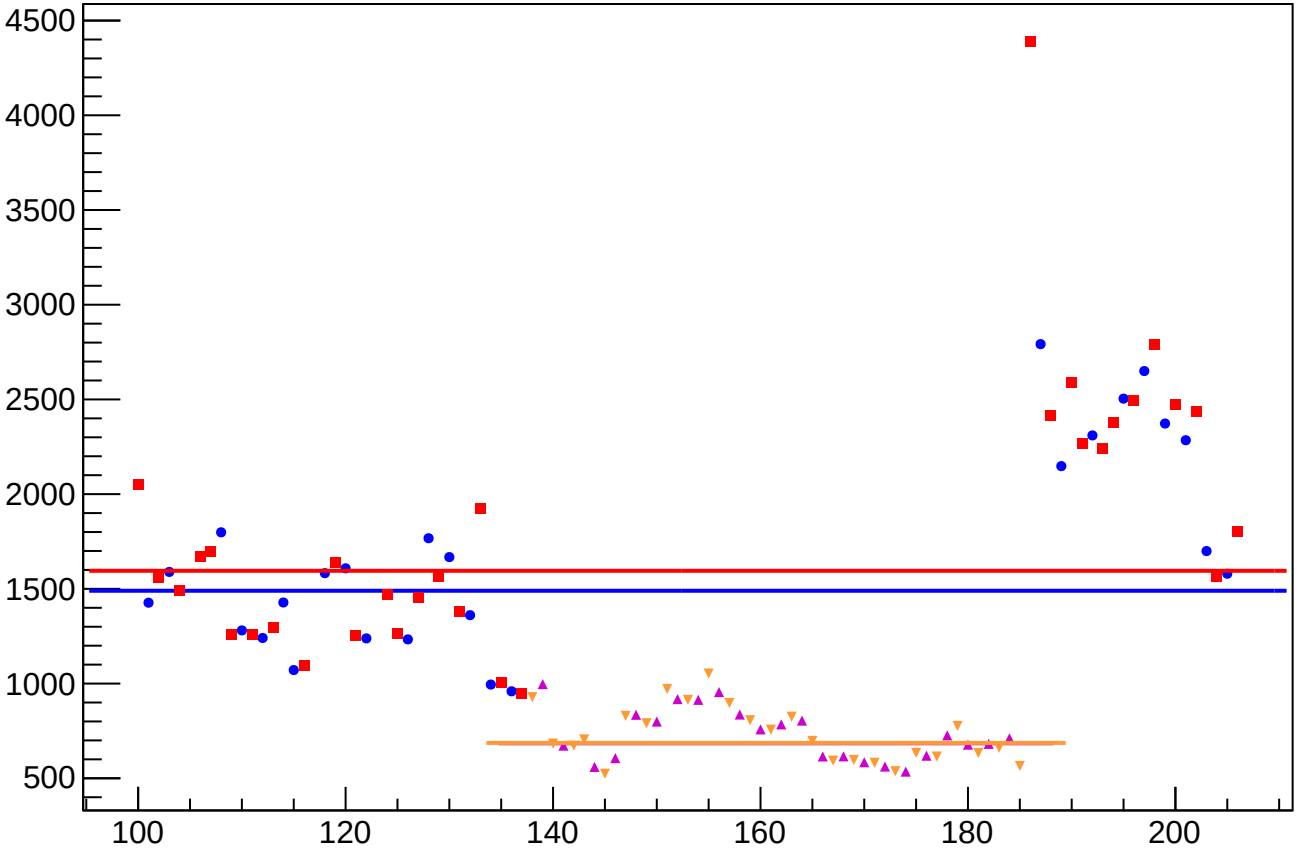
Left In: 52.290+/-163.036 χ^2/NDF:25.4/22

+ sign 818.275+/-148.812 χ^2/NDF: 93.4/49

All: 506.160+/-106.238 χ^2/NDF: 153.0/103

- sign 181.741+/-151.717 χ^2/NDF: 50.6/53

asym_sam_2468_avg_rms vs Slug



Right In: 1490.018+/-0.295 χ^2/NDF: 2478286.0/24

Left Out: 686.700+/-0.113 χ^2/NDF:1312231.8/24

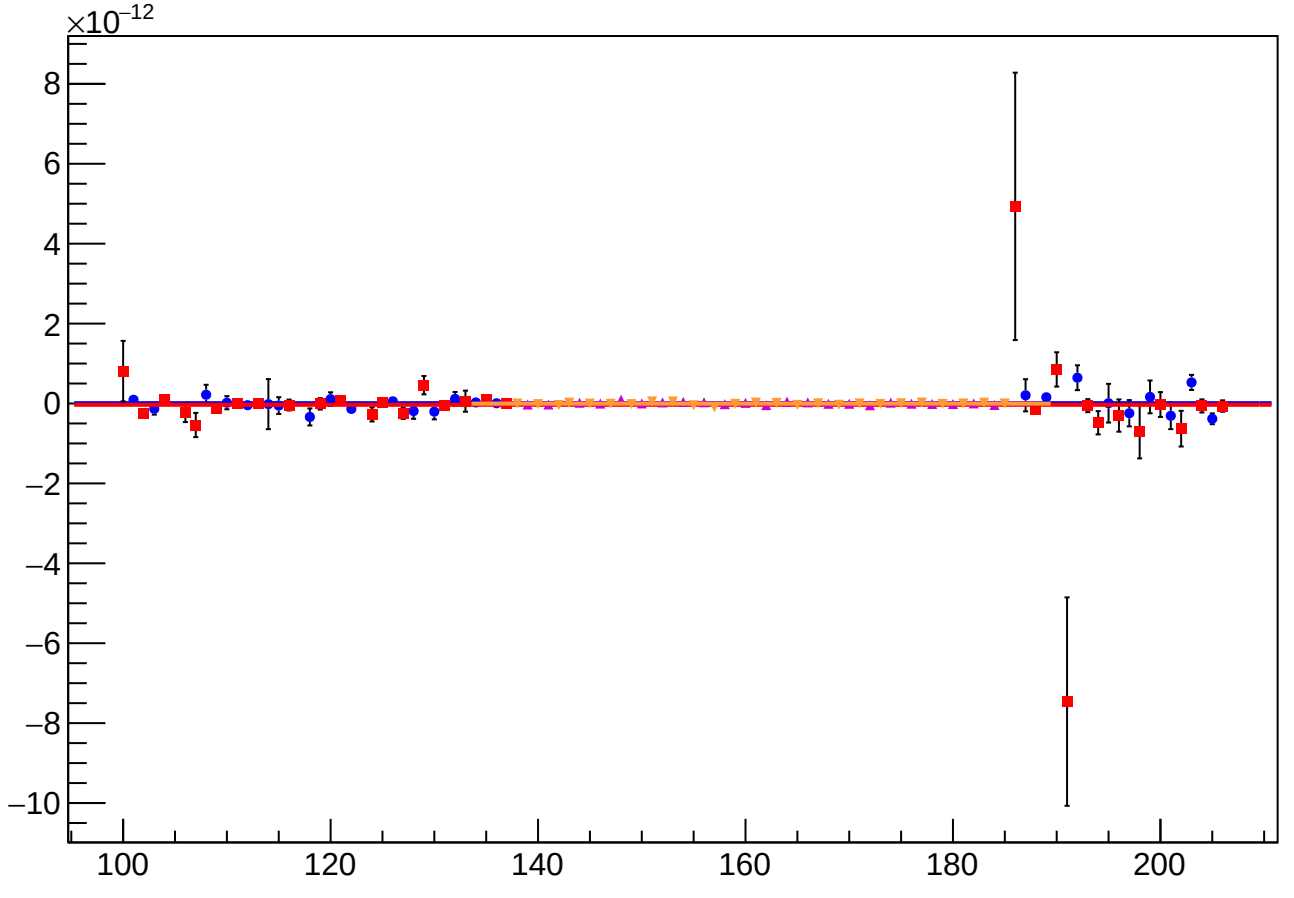
Right Out: 1595.377+/-0.293 χ^2/NDF: 3011511.8/30

Left In: 684.763+/-0.115 χ^2/NDF:1165205.5/22

+ sign 788.612+/-0.105 χ^2/NDF: 10246326.1/49

All: 797.538+/-0.075 χ^2/NDF: 22800465.4/10

- sign 806.817+/-0.107 χ^2/NDF: 12539462.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 34.9/24

Left Out: -0.000+/-0.000 χ^2/NDF:16.5/24

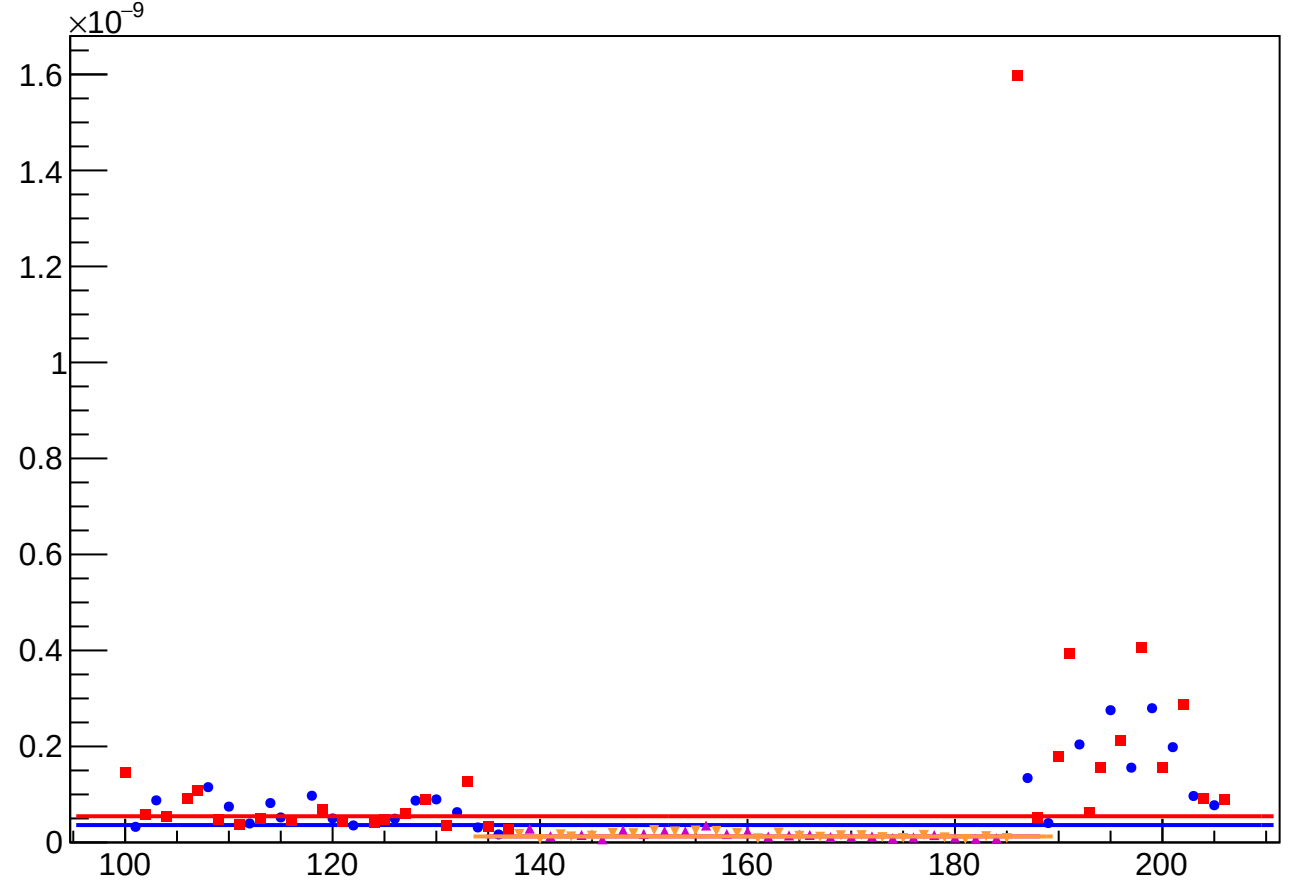
Right Out: -0.000+/-0.000 χ^2/NDF: 45.8/30

Left In: 0.000+/-0.000 χ^2/NDF:20.5/22

+ sign -0.000+/-0.000 χ^2/NDF: 51.8/49

All: -0.000+/-0.000 χ^2/NDF: 119.7/103

- sign -0.000+/-0.000 χ^2/NDF: 67.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 5059828.6/24

Left Out: 0.000+/-0.000 χ^2/NDF:1742020.0/24

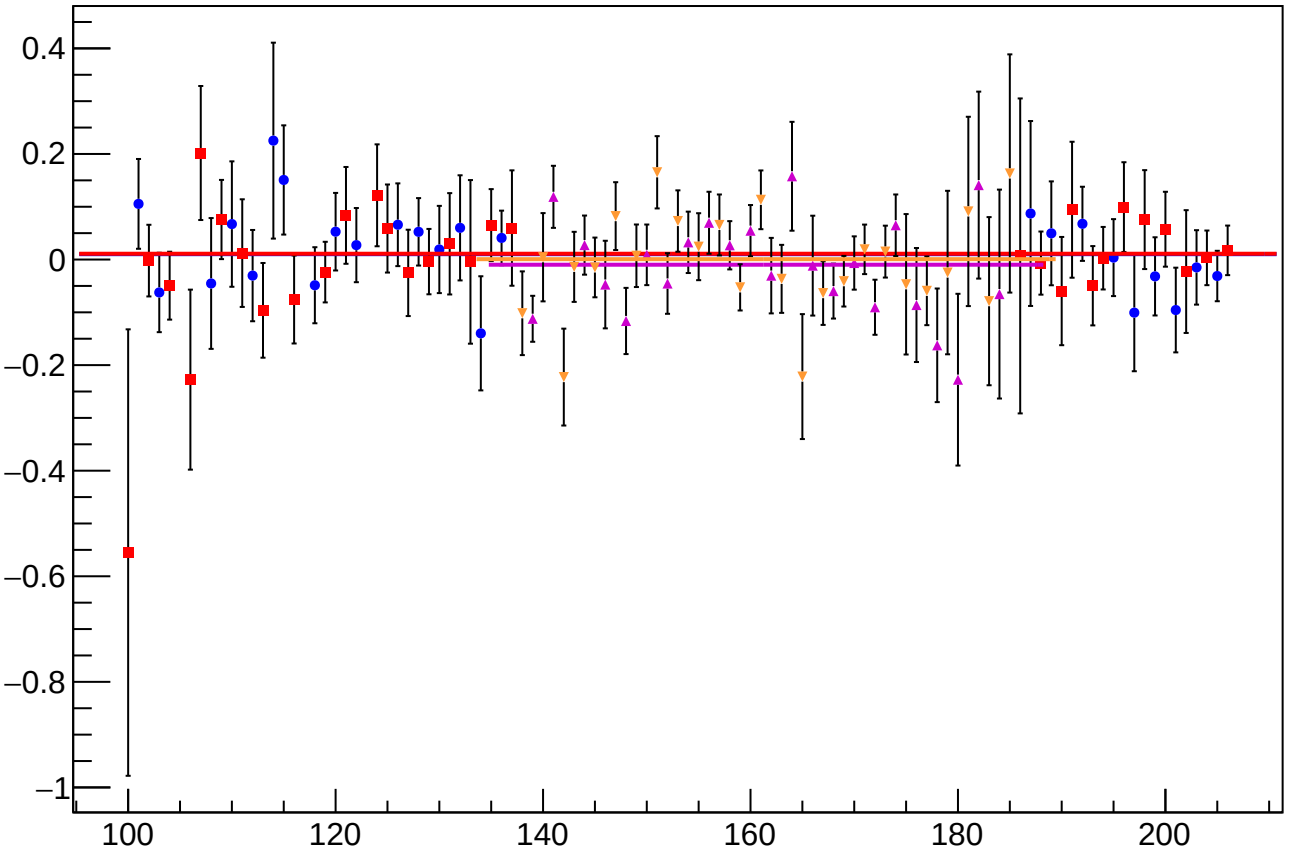
Right Out: 0.000+/-0.000 χ^2/NDF: 3557959.1/30

Left In: 0.000+/-0.000 χ^2/NDF:1961578.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 9283234.3/49

All: 0.000+/-0.000 χ^2/NDF: 19840691.2/103

- sign 0.000+/-0.000 χ^2/NDF: 10548808.6/53



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

Right Out: 0.011+/-0.014 χ^2/NDF: 17.7/30

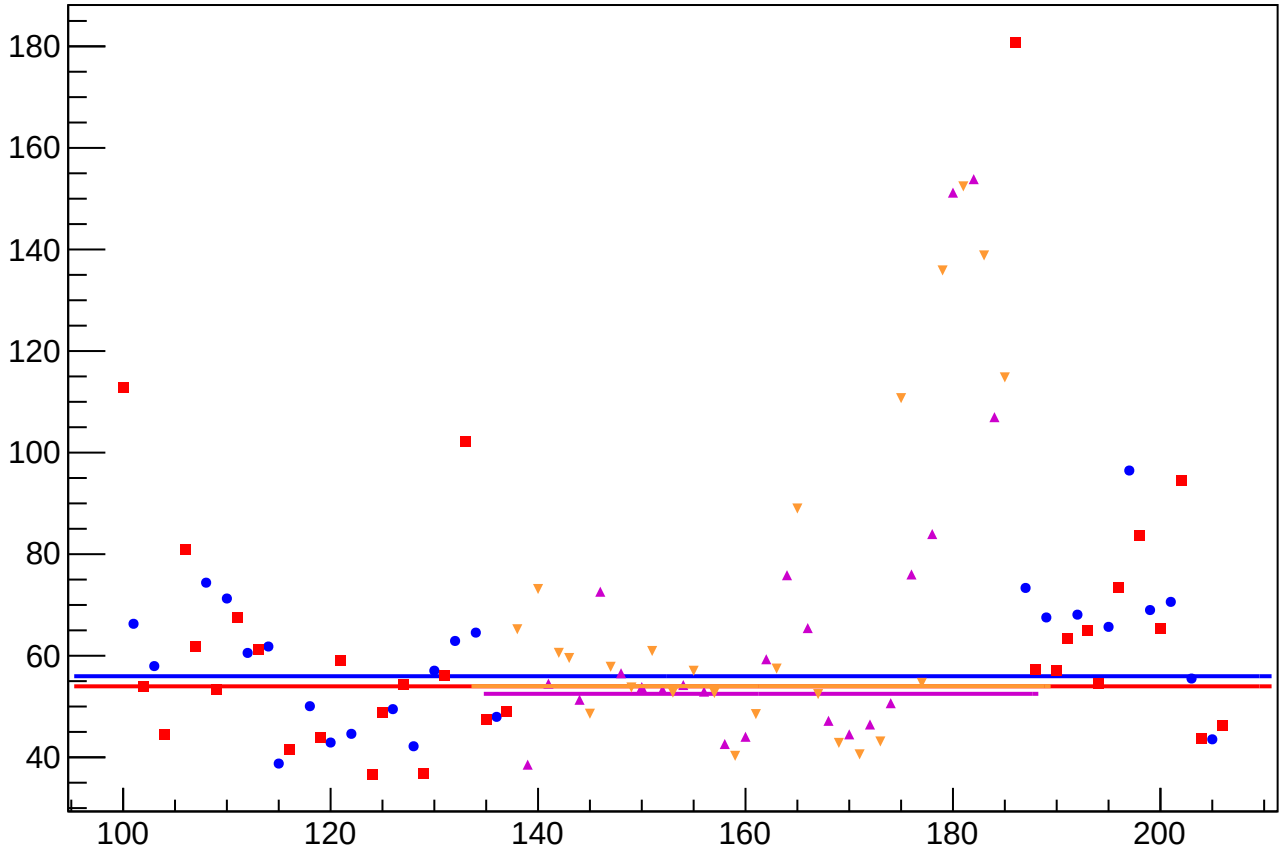
Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.005+/-0.010 χ^2/NDF: 47.4/49

All: 0.002+/-0.007 χ^2/NDF: 98.3/103

- sign -0.000+/-0.010 χ^2/NDF: 50.8/53

asym_sam_2468_avg_dit_vs_cor_diff_rms vs Slug



Right In: 55.968+/-0.011 χ^2/NDF: 1150328.8/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

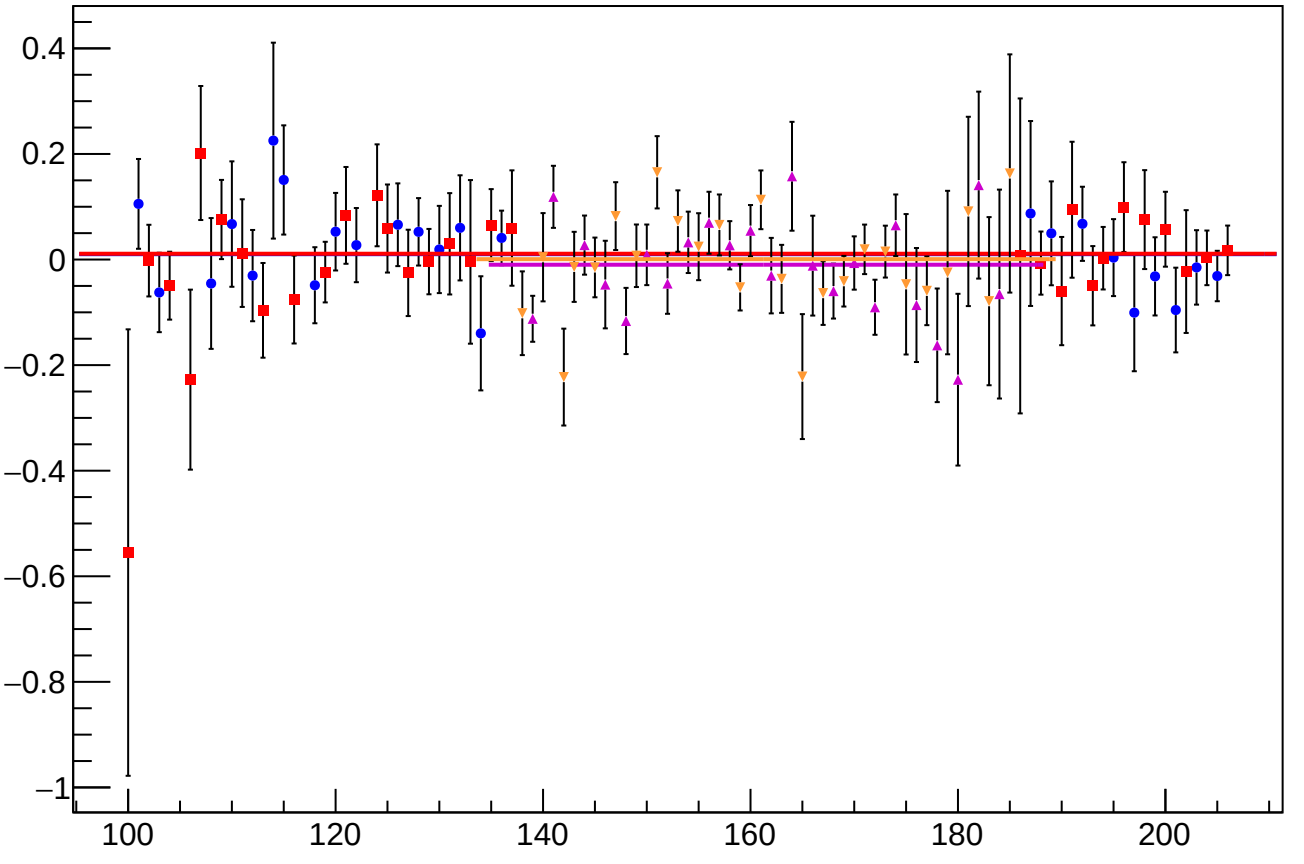
Right Out: 53.978+/-0.010 χ^2/NDF: 1897144.4/30

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

+ sign 54.818+/-0.007 χ^2/NDF: 4395809.2/49

All: 53.963+/-0.005 χ^2/NDF: 8889318.4/103

- sign 53.183+/-0.007 χ^2/NDF: 4466404.2/53



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

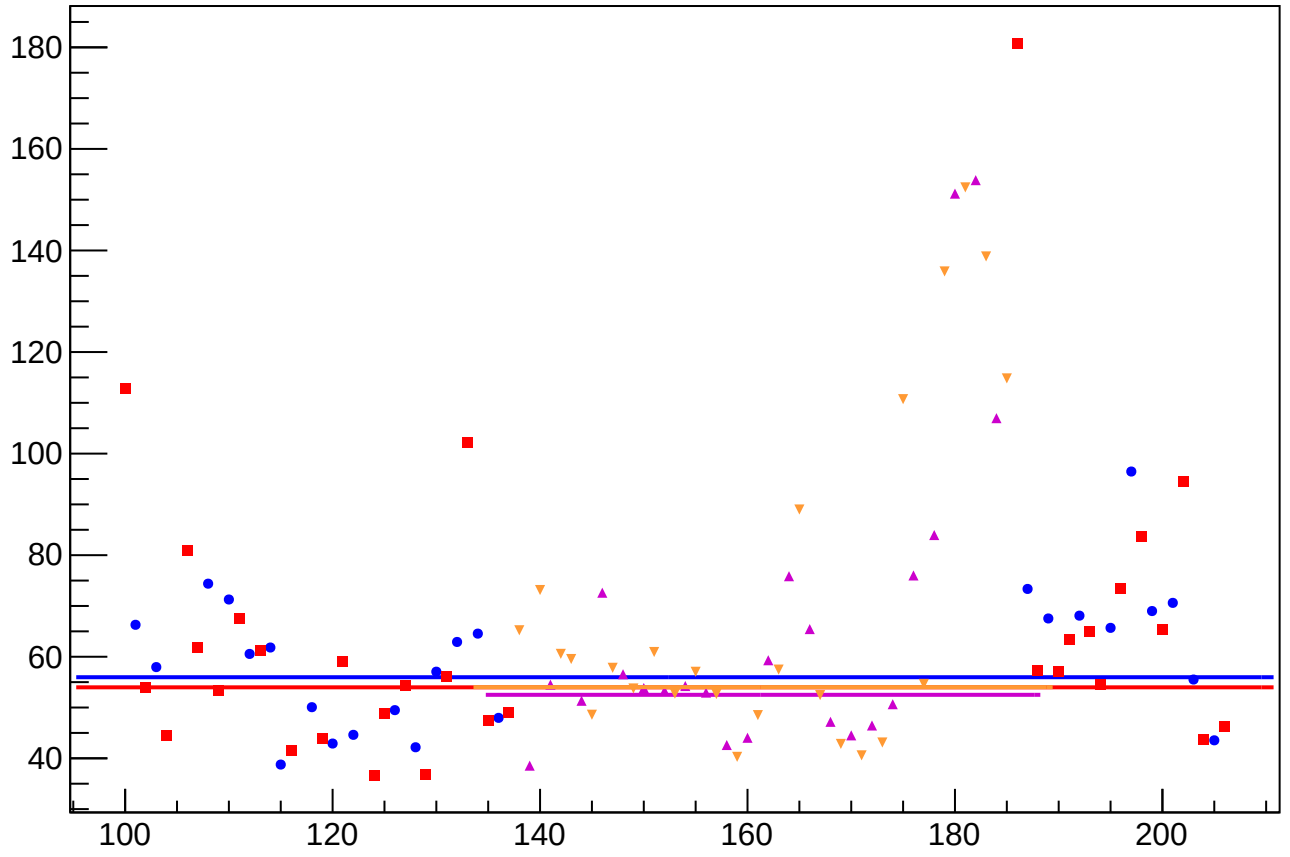
Right Out: 0.011+/-0.014 χ^2/NDF: 17.7/30

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.005+/-0.010 χ^2/NDF: 47.4/49

All: 0.002+/-0.007 χ^2/NDF: 98.3/103

- sign -0.000+/-0.010 χ^2/NDF: 50.8/53



Right In: 55.968+/-0.011 χ^2/NDF: 1150328.8/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227550.5/24

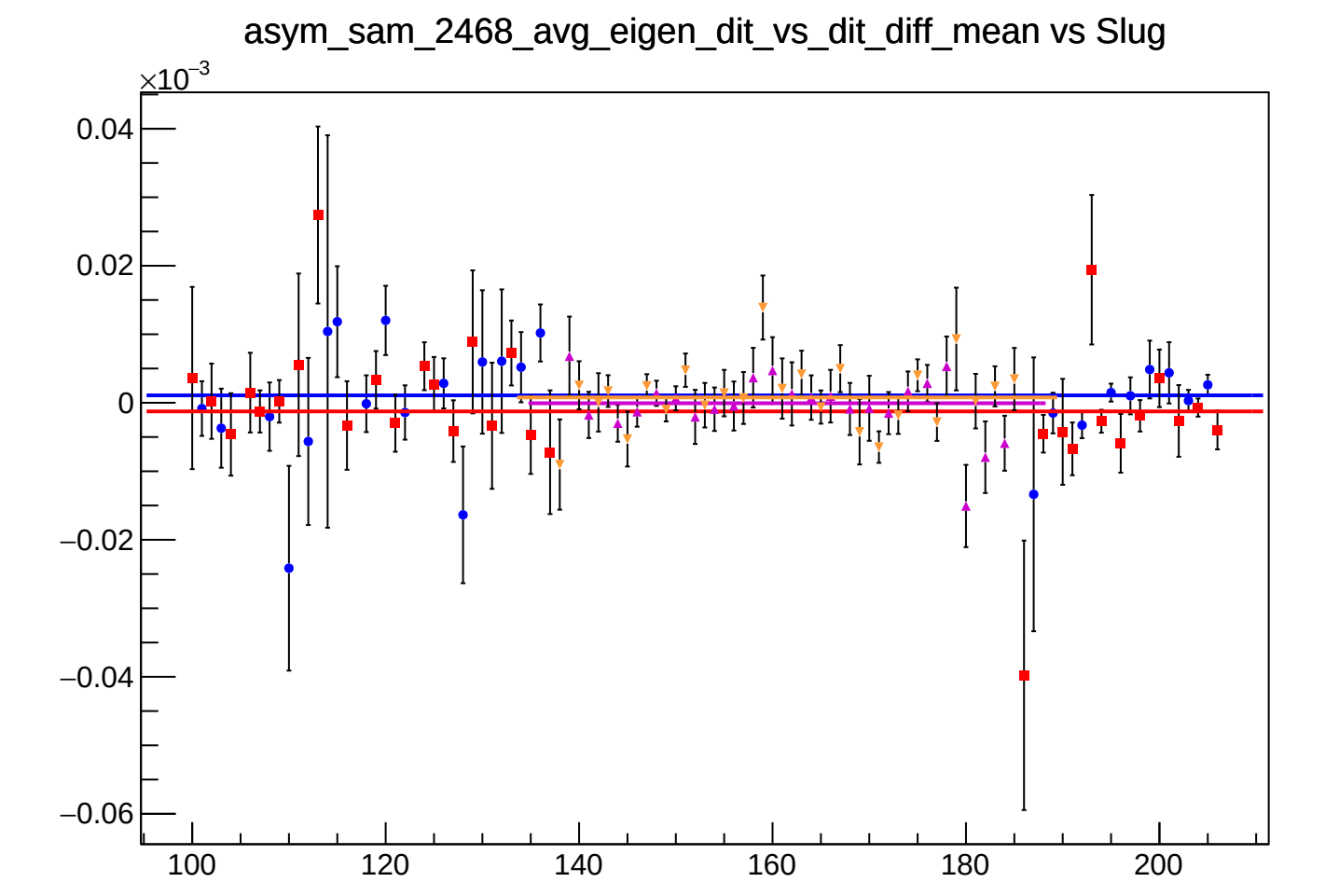
Right Out: 53.978+/-0.010 χ^2/NDF: 1897144.4/30

Left In: 52.502+/-0.009 χ^2/NDF:2557763.5/22

\+ sign 54.818+/-0.007 χ^2/NDF: 4395809.2/49

All: 53.963+/-0.005 χ^2/NDF: 8889318.4/103

\- sign 53.183+/-0.007 χ^2/NDF: 4466404.2/53



Right In: 0.000+/-0.000 χ^2/NDF: 30.0/24

Left Out: 0.000+/-0.000 χ^2/NDF:38.1/24

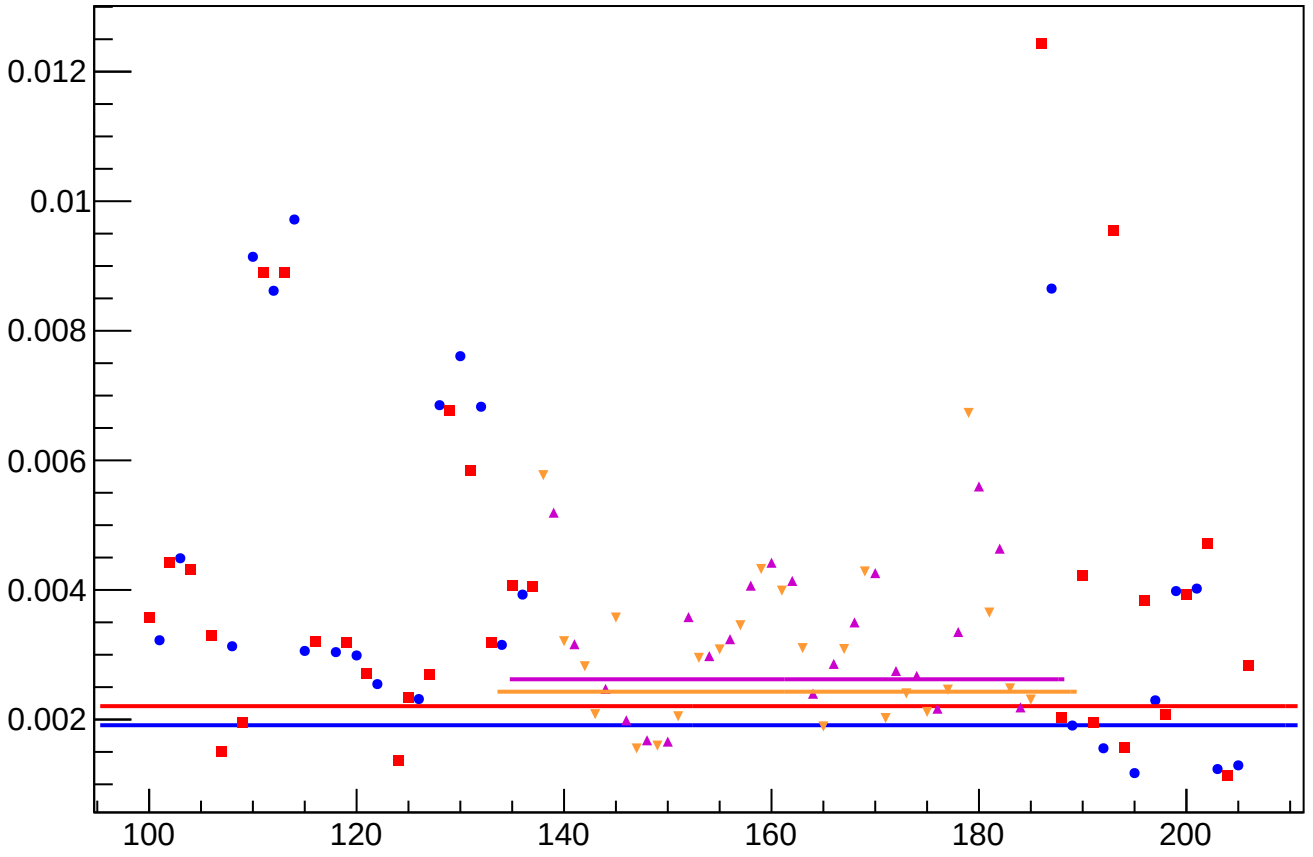
Right Out: -0.000+/-0.000 χ^2/NDF: 33.1/30

Left In: -0.000+/-0.000 χ^2/NDF:20.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 68.2/49

All: 0.000+/-0.000 χ^2/NDF: 129.6/103

- sign -0.000+/-0.000 χ^2/NDF: 55.0/53



Right In: 0.002+/-0.000 χ^2/NDF: 7050738.9/24

Left Out: 0.002+/-0.000 χ^2/NDF:4218362.5/24

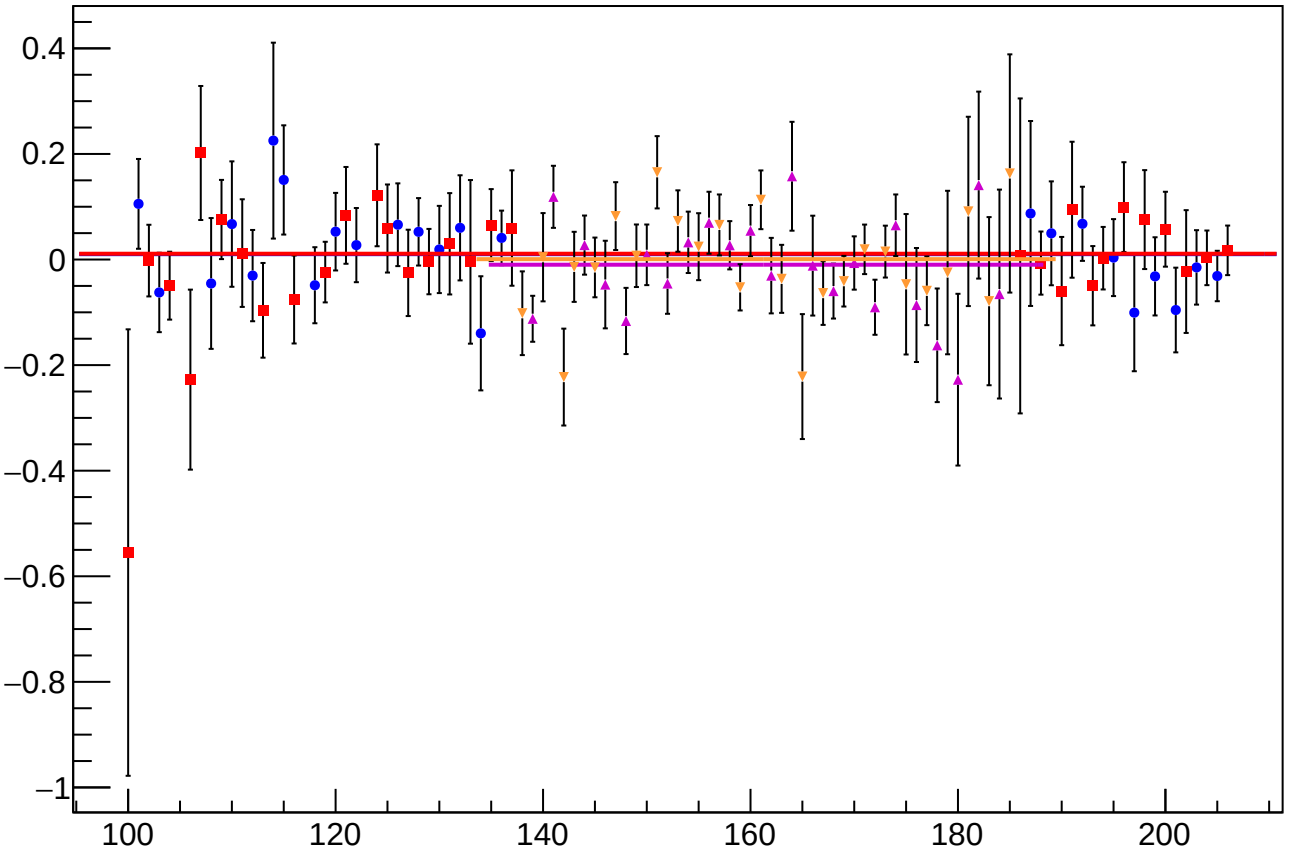
Right Out: 0.002+/-0.000 χ^2/NDF: 7631869.9/30

Left In: 0.003+/-0.000 χ^2/NDF:3955310.5/22

+ sign 0.002+/-0.000 χ^2/NDF: 12001831.4/49

All: 0.002+/-0.000 χ^2/NDF: 24250352.9/103

- sign 0.002+/-0.000 χ^2/NDF: 11988383.3/53



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

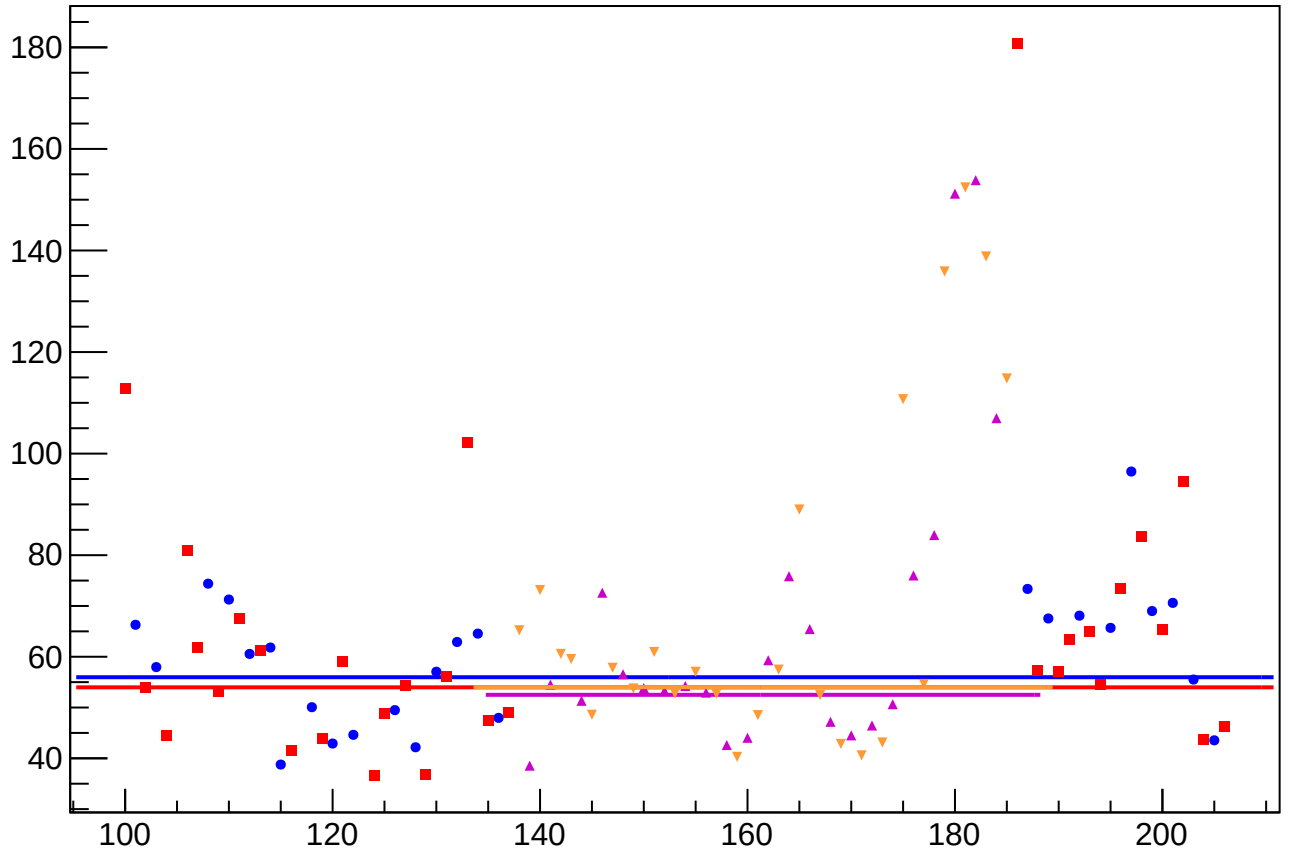
Right Out: 0.011+/-0.014 χ^2/NDF: 17.7/30

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.005+/-0.010 χ^2/NDF: 47.4/49

All: 0.002+/-0.007 χ^2/NDF: 98.3/103

- sign -0.000+/-0.010 χ^2/NDF: 50.8/53



Right In: 55.967+/-0.011 χ^2/NDF: 1150315.5/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

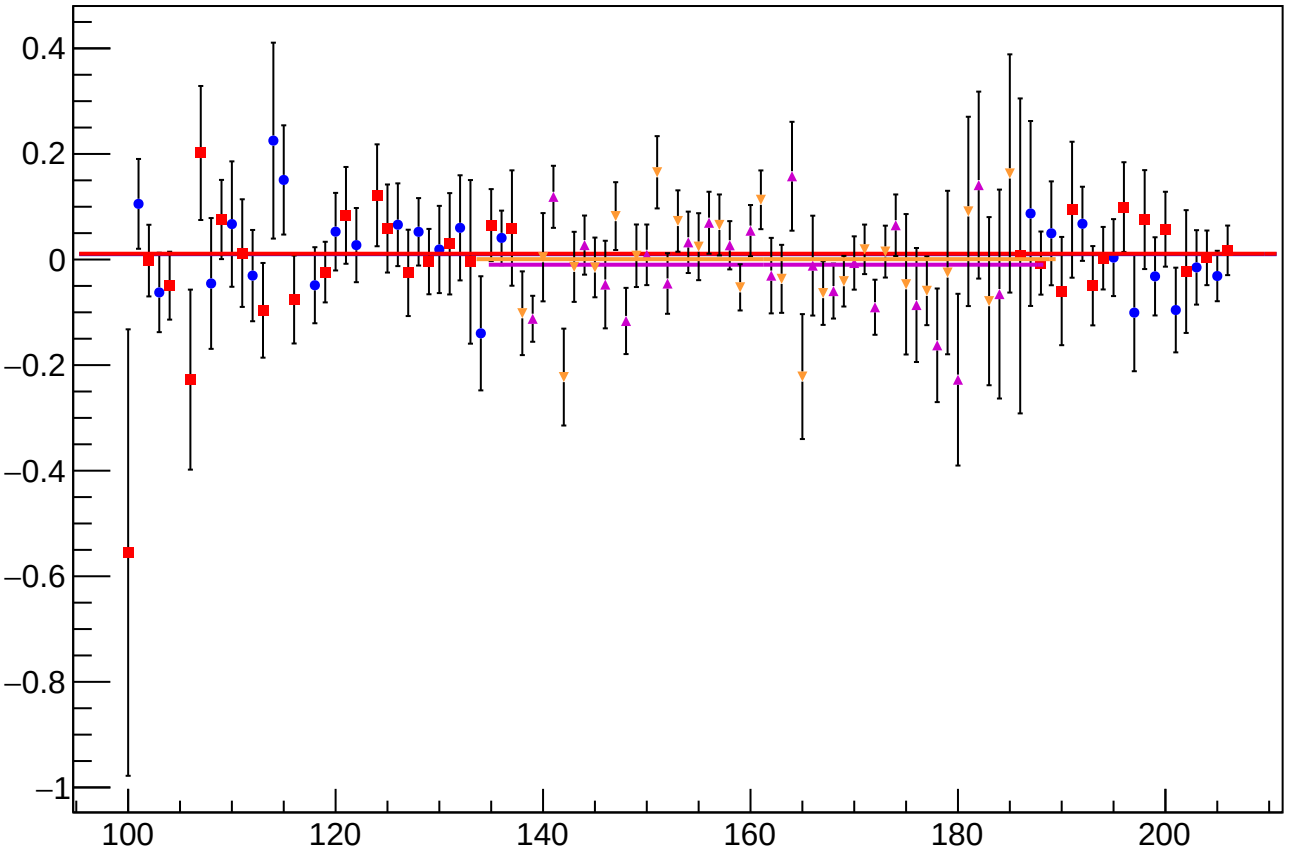
Right Out: 53.977+/-0.010 χ^2/NDF: 1897191.8/30

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

+ sign 54.818+/-0.007 χ^2/NDF: 4395791.6/49

All: 53.963+/-0.005 χ^2/NDF: 8889375.0/103

- sign 53.183+/-0.007 χ^2/NDF: 4466479.4/53



Right In: 0.010+/-0.016 χ^2/NDF: 15.5/24

Left Out: 0.001+/-0.013 χ^2/NDF:31.7/24

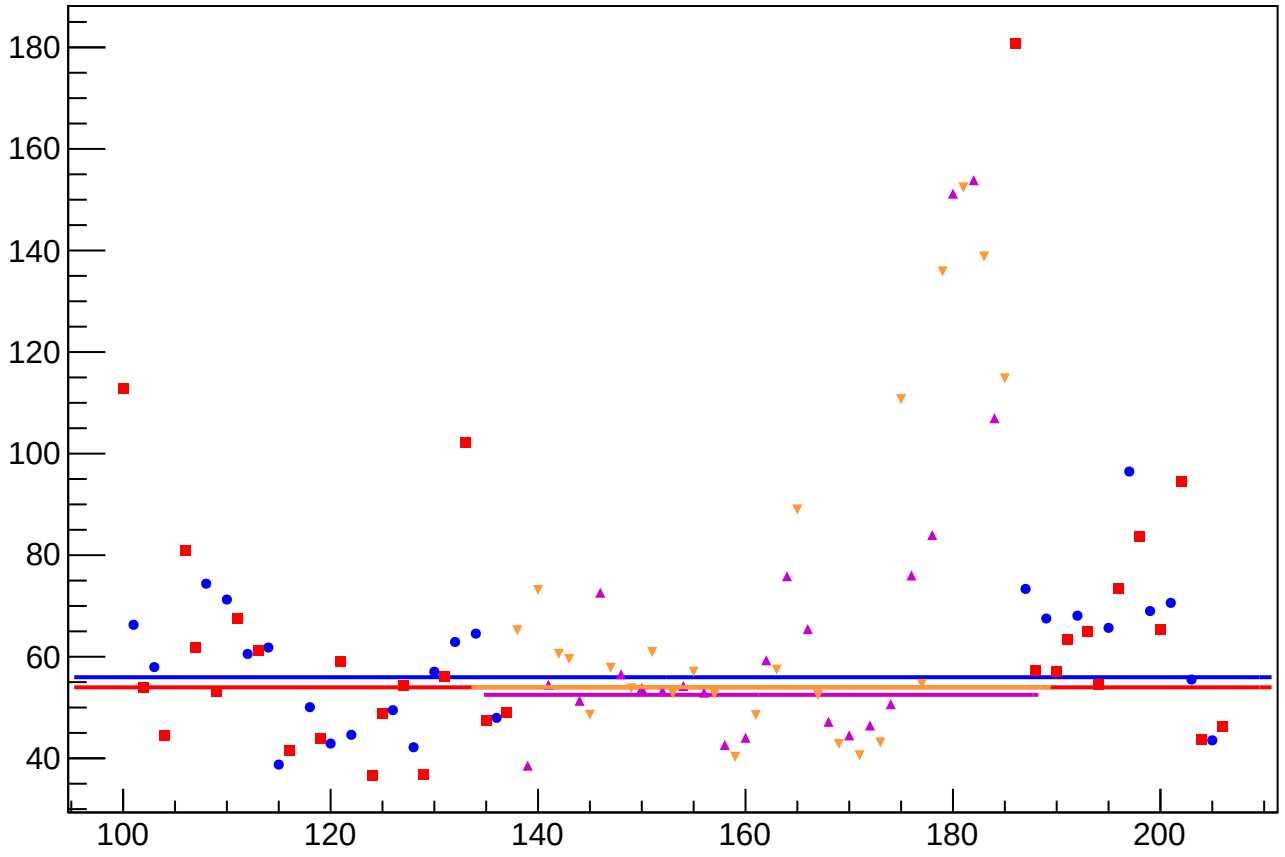
Right Out: 0.011+/-0.014 χ^2/NDF: 17.7/30

Left In: -0.010+/-0.013 χ^2/NDF:31.9/22

+ sign 0.005+/-0.010 χ^2/NDF: 47.4/49

All: 0.002+/-0.007 χ^2/NDF: 98.3/103

- sign -0.000+/-0.010 χ^2/NDF: 50.8/53



Right In: 55.967+/-0.011 χ^2/NDF: 1150315.5/24

Left Out: 54.014+/-0.009 χ^2/NDF:3227569.4/24

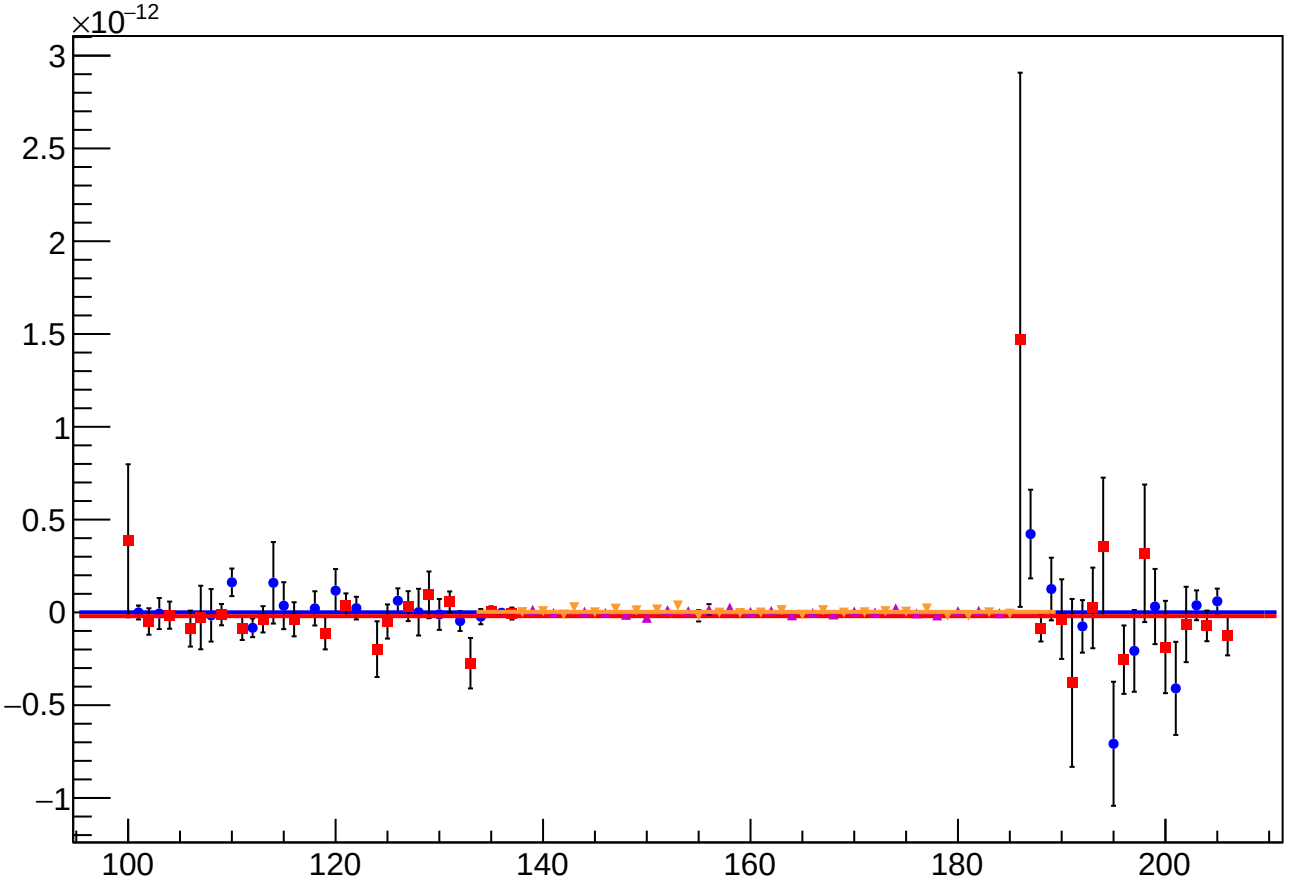
Right Out: 53.977+/-0.010 χ^2/NDF: 1897191.8/30

Left In: 52.502+/-0.009 χ^2/NDF:2557805.6/22

\+ sign 54.818+/-0.007 χ^2/NDF: 4395791.6/49

All: 53.963+/-0.005 χ^2/NDF: 8889375.0/103

\- sign 53.183+/-0.007 χ^2/NDF: 4466479.4/53



Right In: 0.000+/-0.000 χ^2/NDF: 24.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.8/24

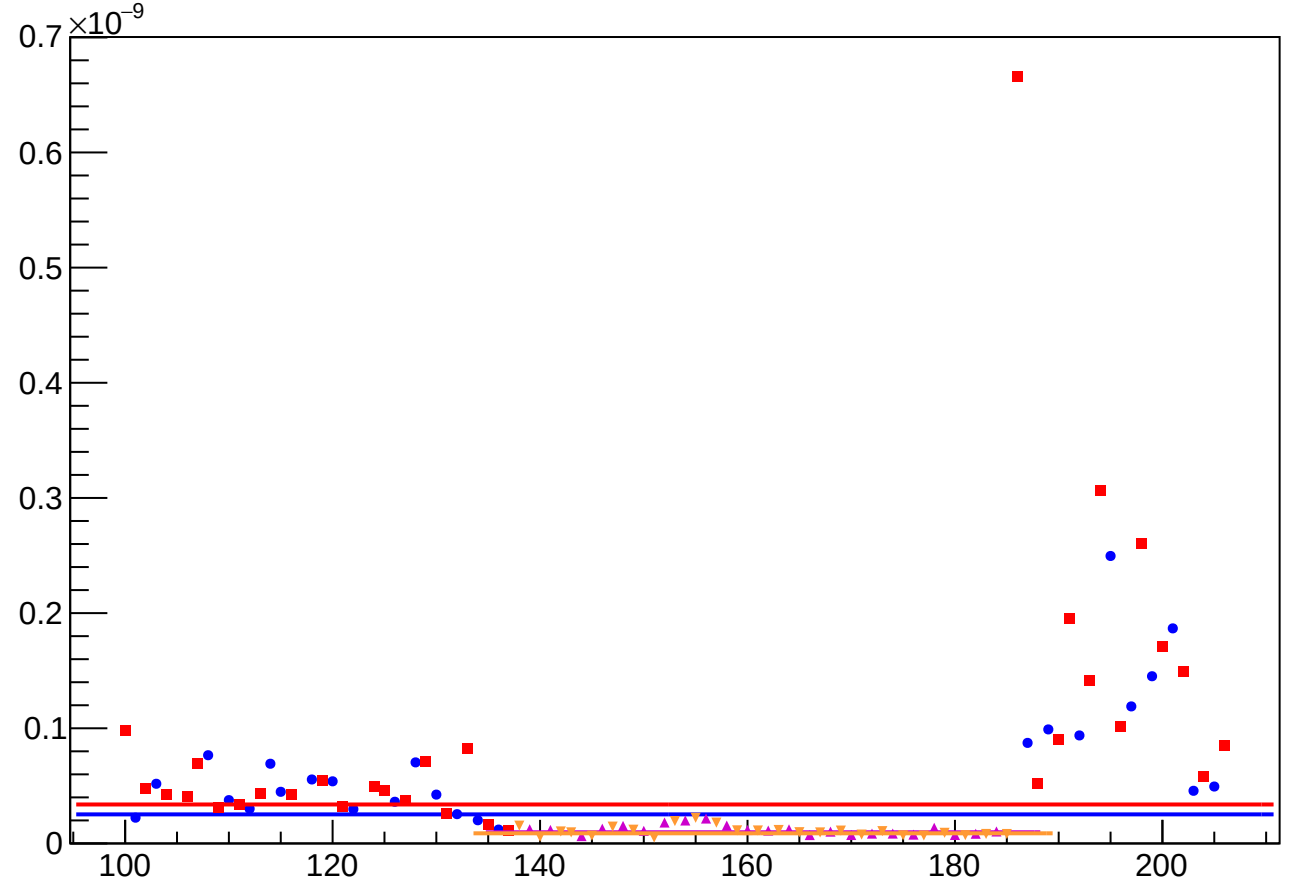
Right Out: -0.000+/-0.000 χ^2/NDF: 21.9/30

Left In: 0.000+/-0.000 χ^2/NDF:15.3/22

+ sign 0.000+/-0.000 χ^2/NDF: 46.2/49

All: 0.000+/-0.000 χ^2/NDF: 86.1/103

- sign 0.000+/-0.000 χ^2/NDF: 39.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 6860186.9/24

Left Out: 0.000+/-0.000 χ^2/NDF:2517075.4/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8085590.1/30

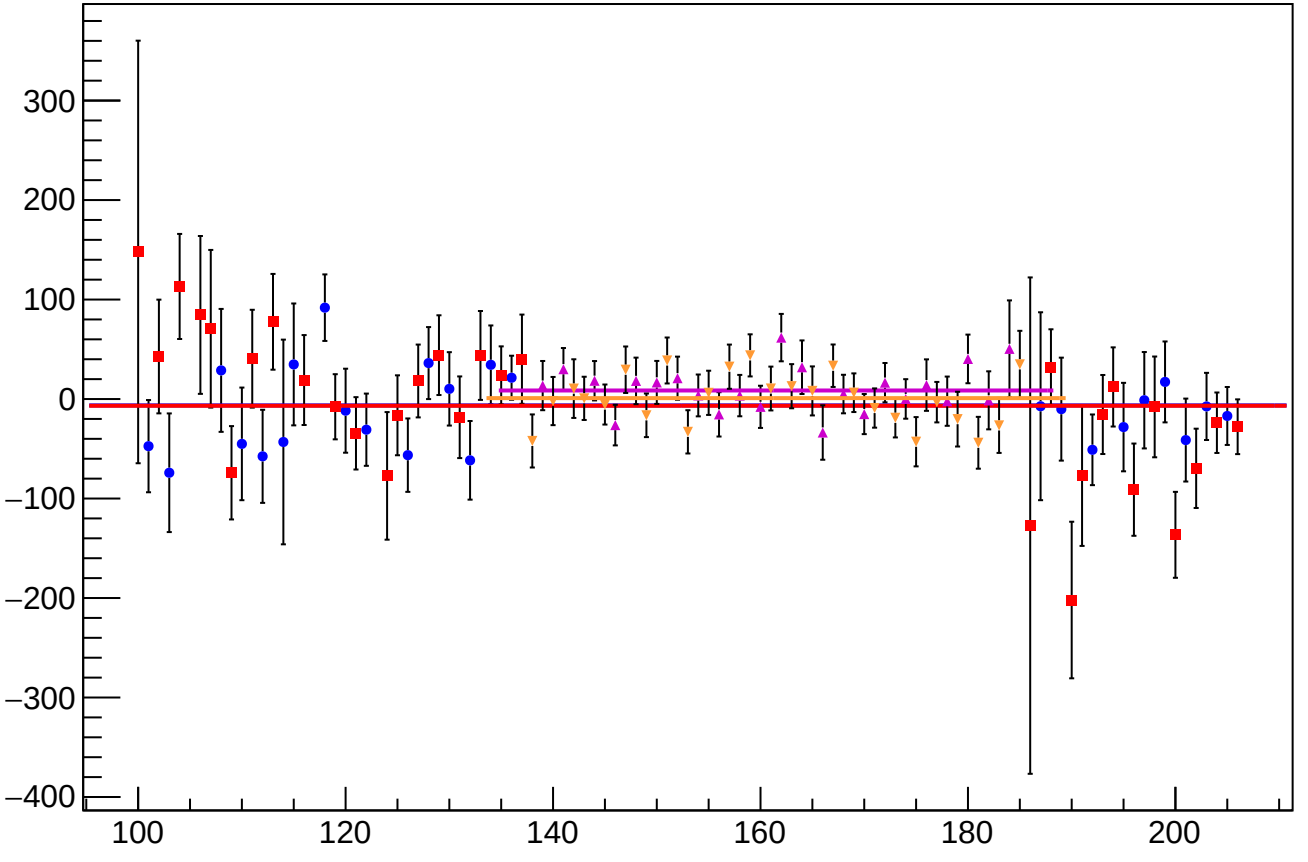
Left In: 0.000+/-0.000 χ^2/NDF:2320113.6/22

+ sign 0.000+/-0.000 χ^2/NDF: 13234236.6/49

All: 0.000+/-0.000 χ^2/NDF: 29736394.7/103

- sign 0.000+/-0.000 χ^2/NDF: 16329963.2/53

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -6.395+/-8.071 χ^2/NDF: 24.8/24

Left Out: 0.917+/-4.574 χ^2/NDF:29.2/24

Right Out: -6.750+/-7.845 χ^2/NDF: 47.0/30

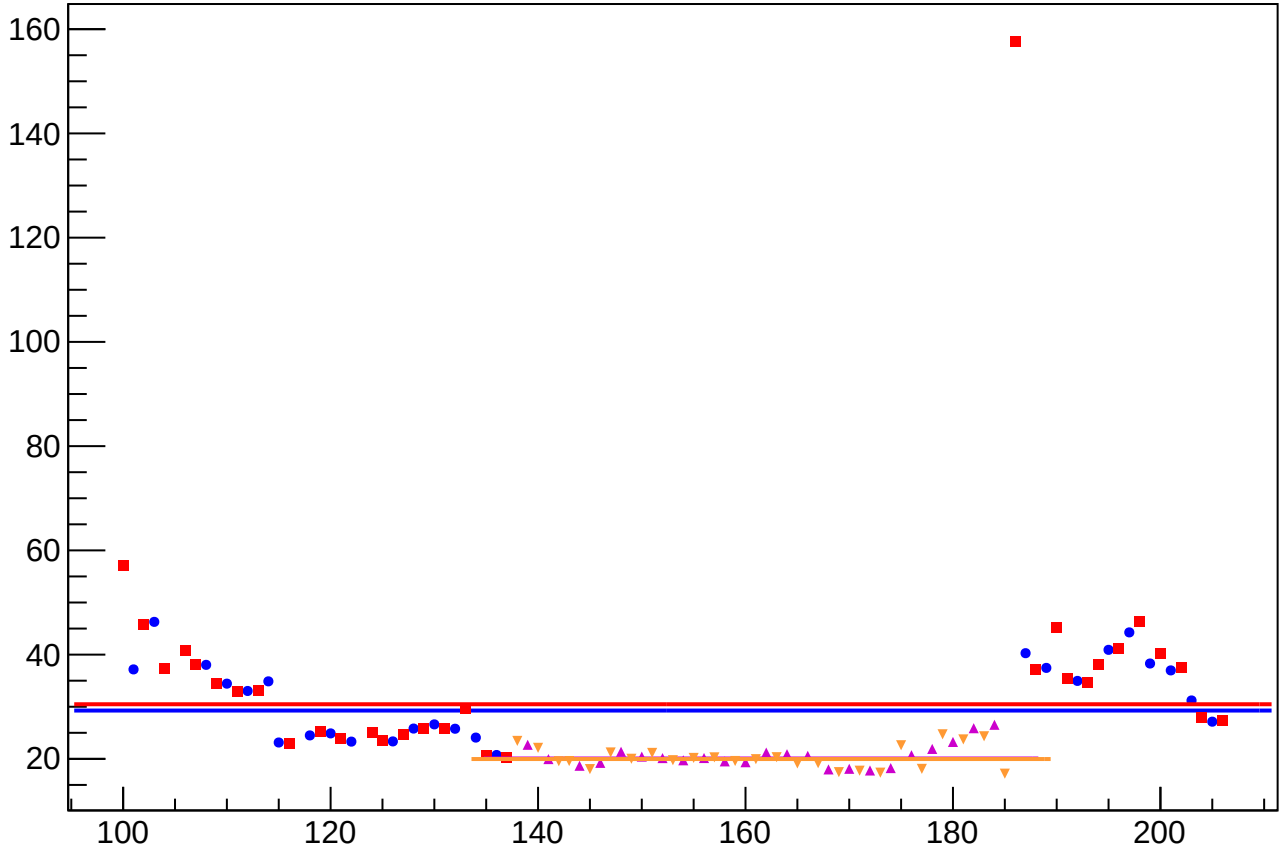
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.861+/-3.979 χ^2/NDF: 54.6/49

All: 1.782+/-2.837 χ^2/NDF: 124.7/103

- sign 4.516+/-4.047 χ^2/NDF: 69.2/53

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.271+/-0.006 χ^2/NDF: 1501054.9/24

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

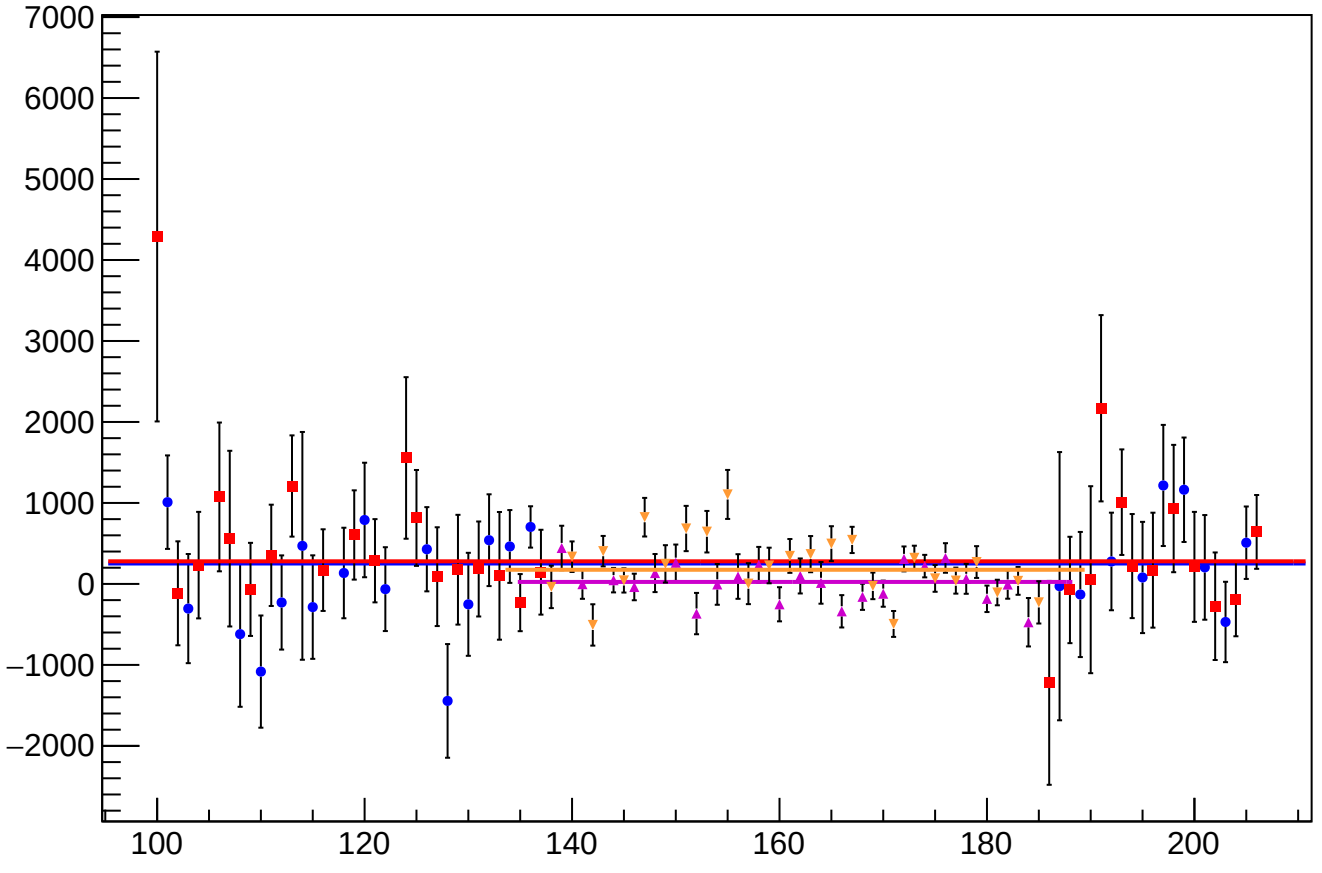
Right Out: 30.479+/-0.006 χ^2/NDF: 2229231.3/30

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.230+/-0.003 χ^2/NDF: 3899034.7/49

All: 22.531+/-0.002 χ^2/NDF: 9036134.7/103

- sign 22.841+/-0.003 χ^2/NDF: 5113907.9/53



Right In: 252.258+/-113.566 χ^2/NDF: 26.1/24

Left Out: 174.693+/-39.049 χ^2/NDF:71.2/24

Right Out: 279.339+/-113.302 χ^2/NDF: 20.9/30

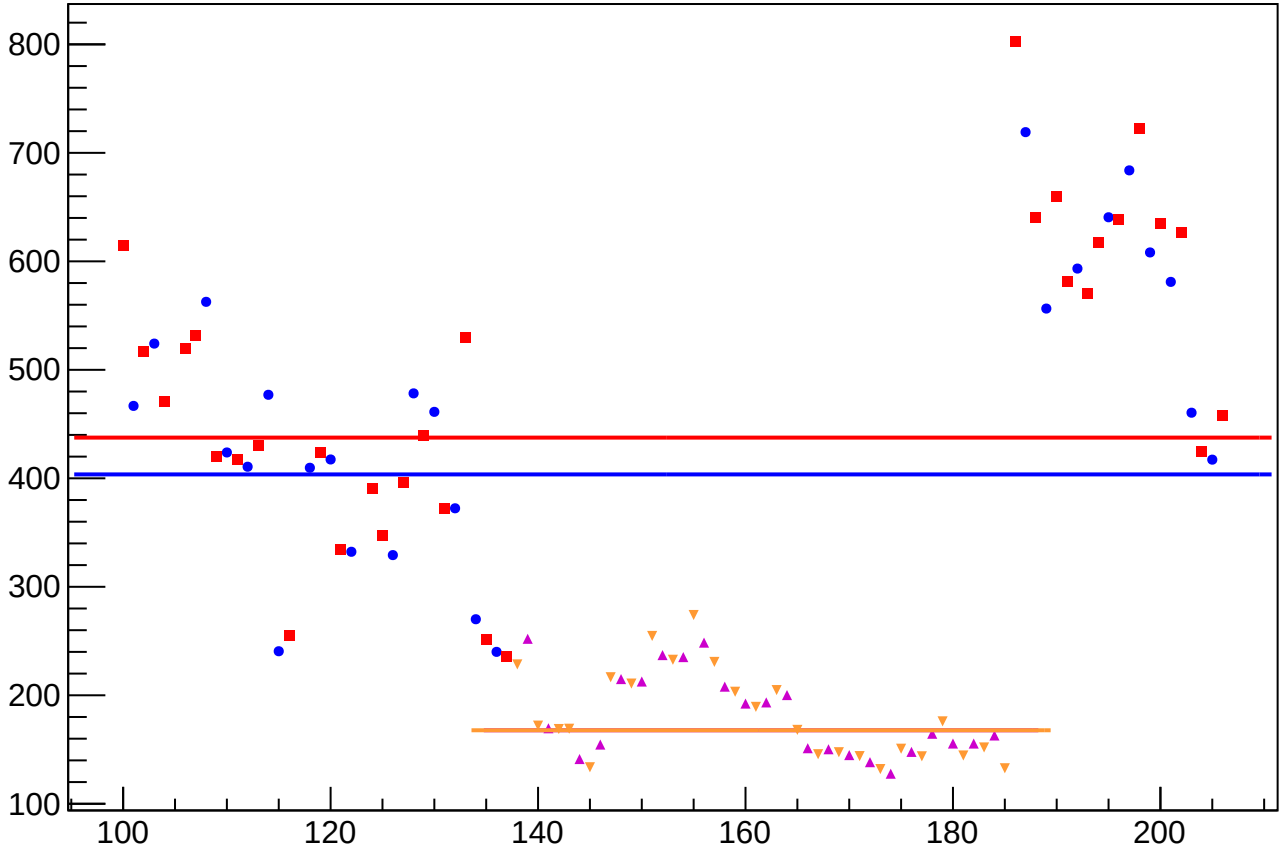
Left In: 24.589+/-40.070 χ^2/NDF:26.9/22

+ sign 182.893+/-36.927 χ^2/NDF: 97.7/49

All: 119.381+/-26.407 χ^2/NDF: 156.1/103

- sign 52.910+/-37.777 χ^2/NDF: 52.3/53

asym_sam_1357_2468_dd_reg_correction_rms vs Slug



Right In: 403.599+/-0.080 χ^2/NDF: 2659166.8/24

Left Out: 167.754+/-0.028 χ^2/NDF:1578232.9/24

Right Out: 437.522+/-0.080 χ^2/NDF: 2855586.8/30

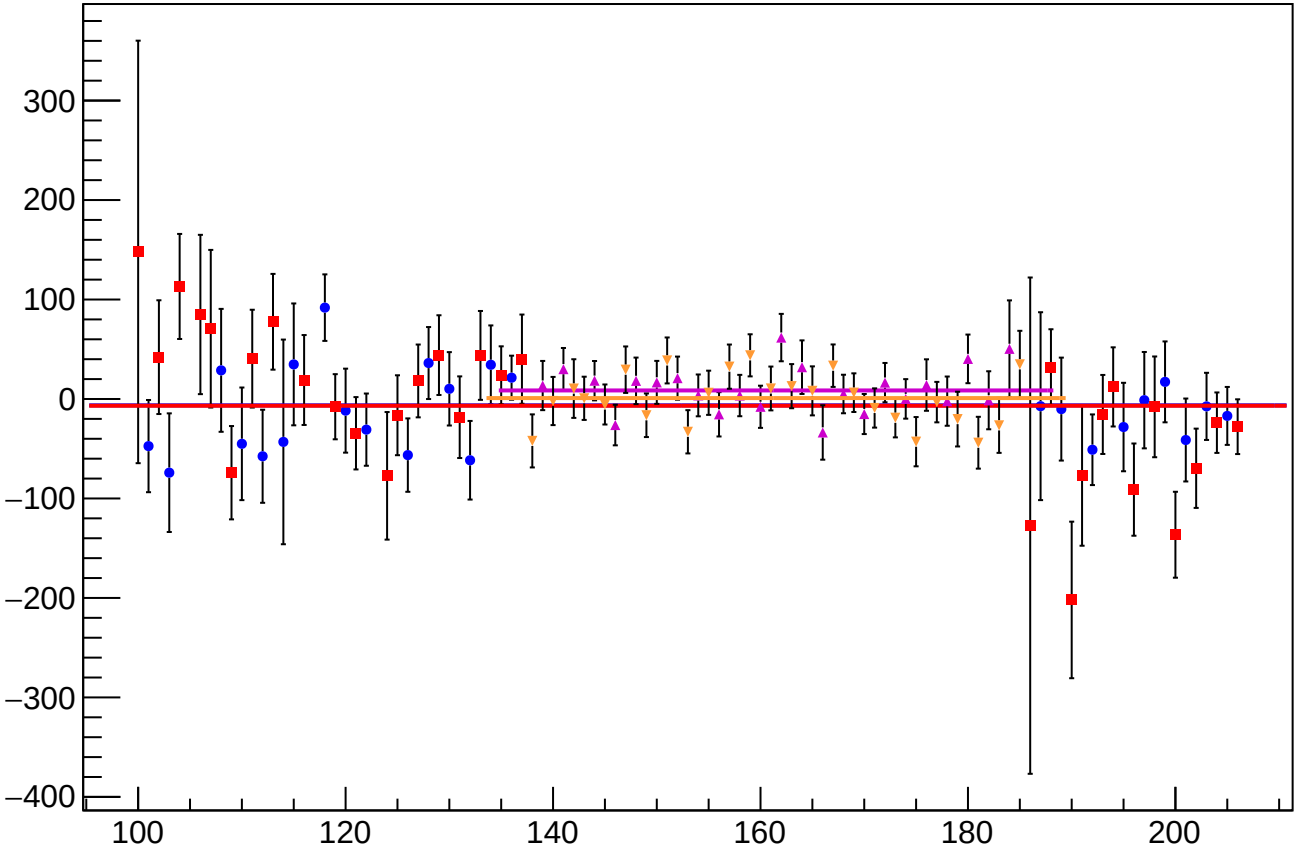
Left In: 167.748+/-0.028 χ^2/NDF:1403124.0/22

+ sign 192.690+/-0.026 χ^2/NDF: 11950916.7/49

All: 195.157+/-0.019 χ^2/NDF: 26305868.0/10

- sign 197.739+/-0.027 χ^2/NDF: 14336680.7/53

cor_asym_sam_1357_2468_dd_mean vs Slug



Right In: -6.393+/-8.071 χ^2/NDF: 24.8/24

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -6.777+/-7.846 χ^2/NDF: 47.0/30

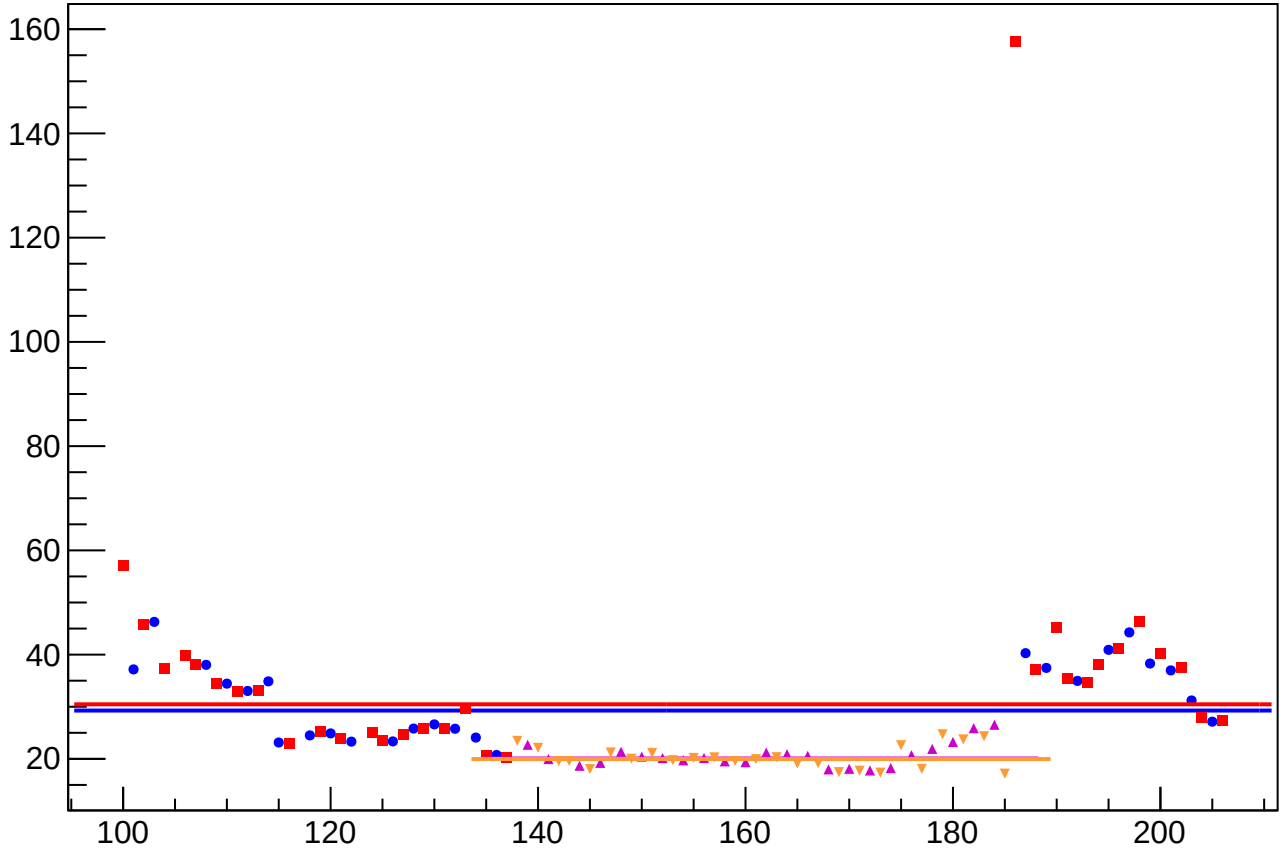
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

\+ sign -0.862+/-3.979 χ^2/NDF: 54.6/49

All: 1.779+/-2.837 χ^2/NDF: 124.6/103

\- sign 4.510+/-4.047 χ^2/NDF: 69.1/53

cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.271+/-0.006 χ^2/NDF: 1501058.1/24

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

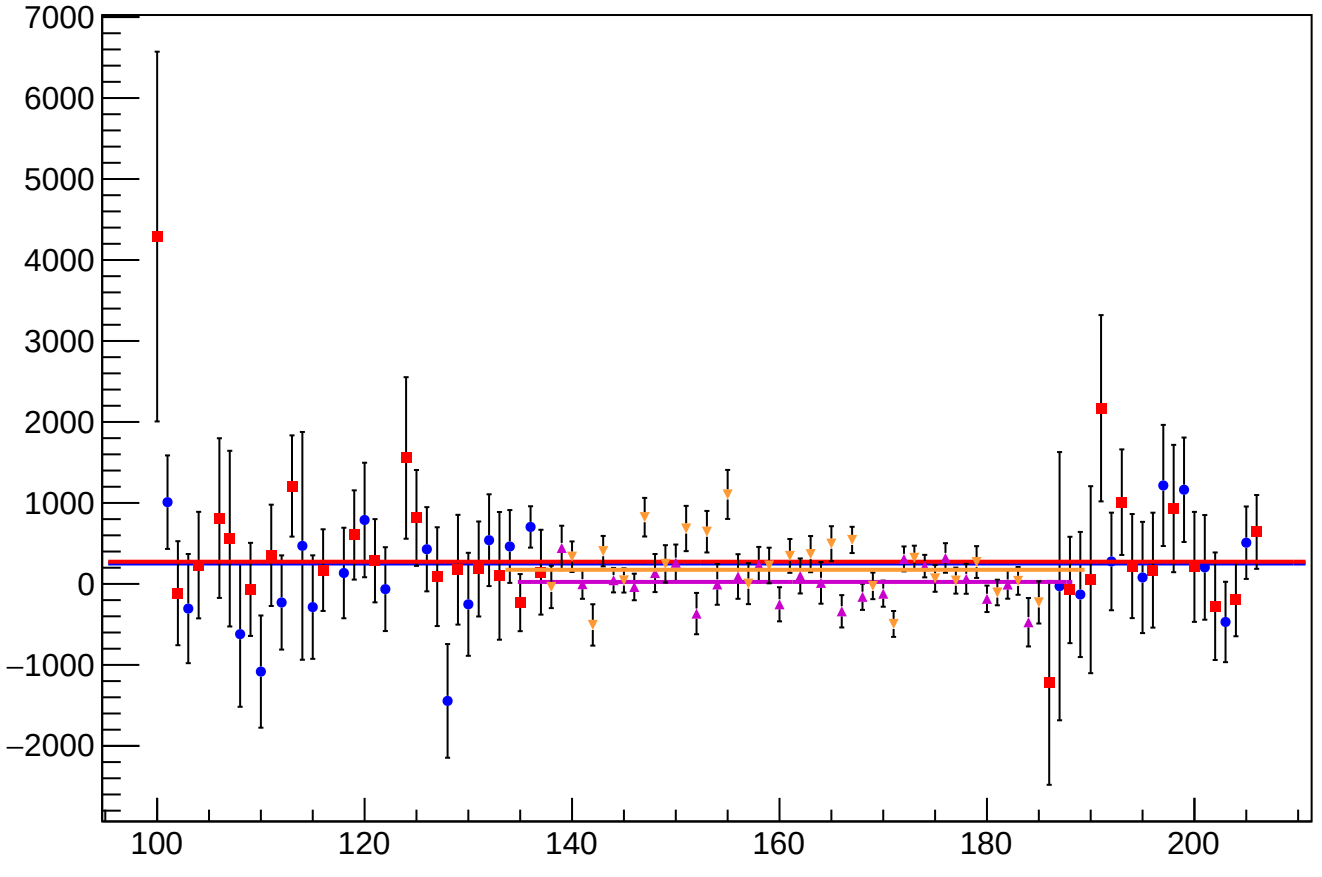
Right Out: 30.467+/-0.006 χ^2/NDF: 2222192.3/30

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.230+/-0.003 χ^2/NDF: 3899038.1/49

All: 22.529+/-0.002 χ^2/NDF: 9022431.8/103

- sign 22.838+/-0.003 χ^2/NDF: 5100476.6/53



Right In: 252.253+/-113.566 χ^2/NDF: 26.1/24

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

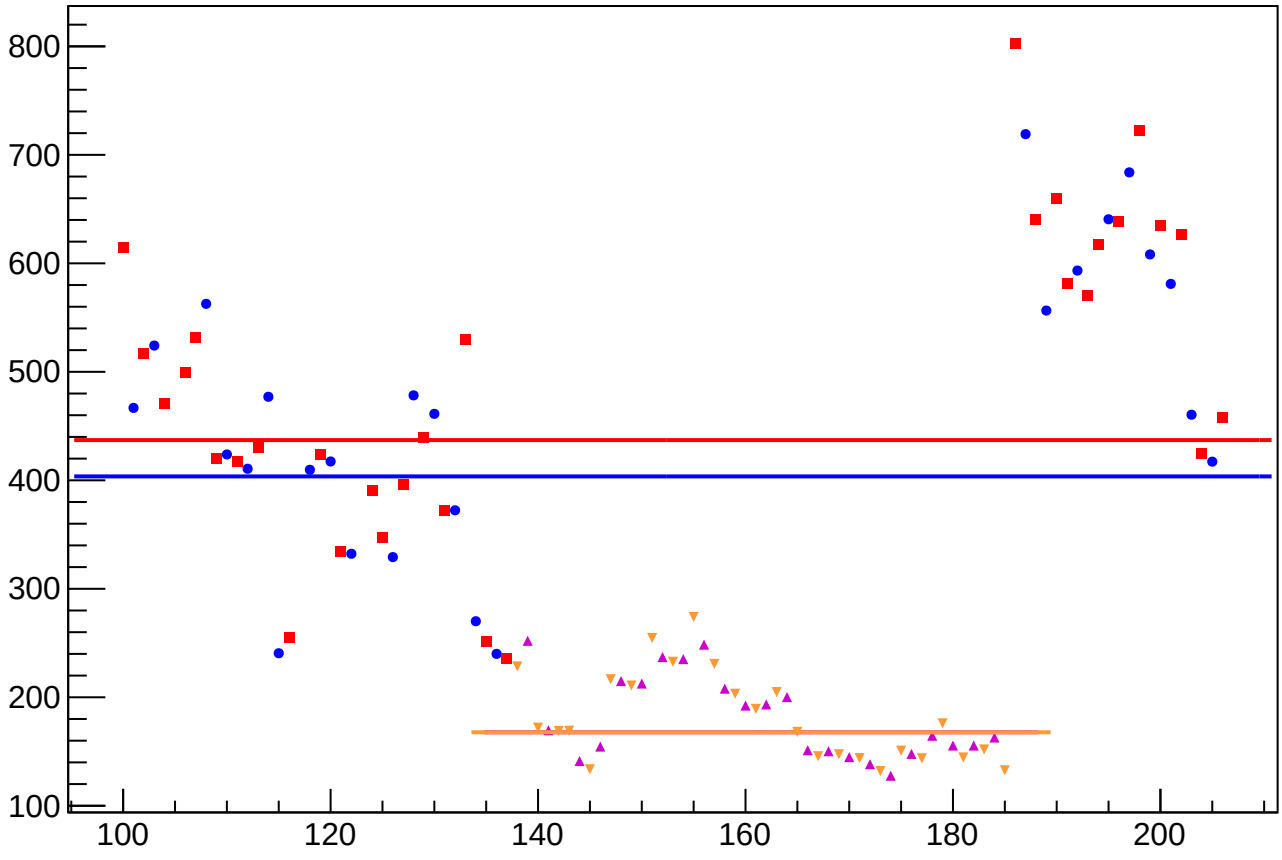
Right Out: 274.346+/-113.417 χ^2/NDF: 20.4/30

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 182.891+/-36.927 χ^2/NDF: 97.7/49

All: 119.092+/-26.408 χ^2/NDF: 155.5/103

- sign 52.305+/-37.782 χ^2/NDF: 51.6/53



Right In: 403.599+/-0.080 χ^2/NDF: 2659192.7/24

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

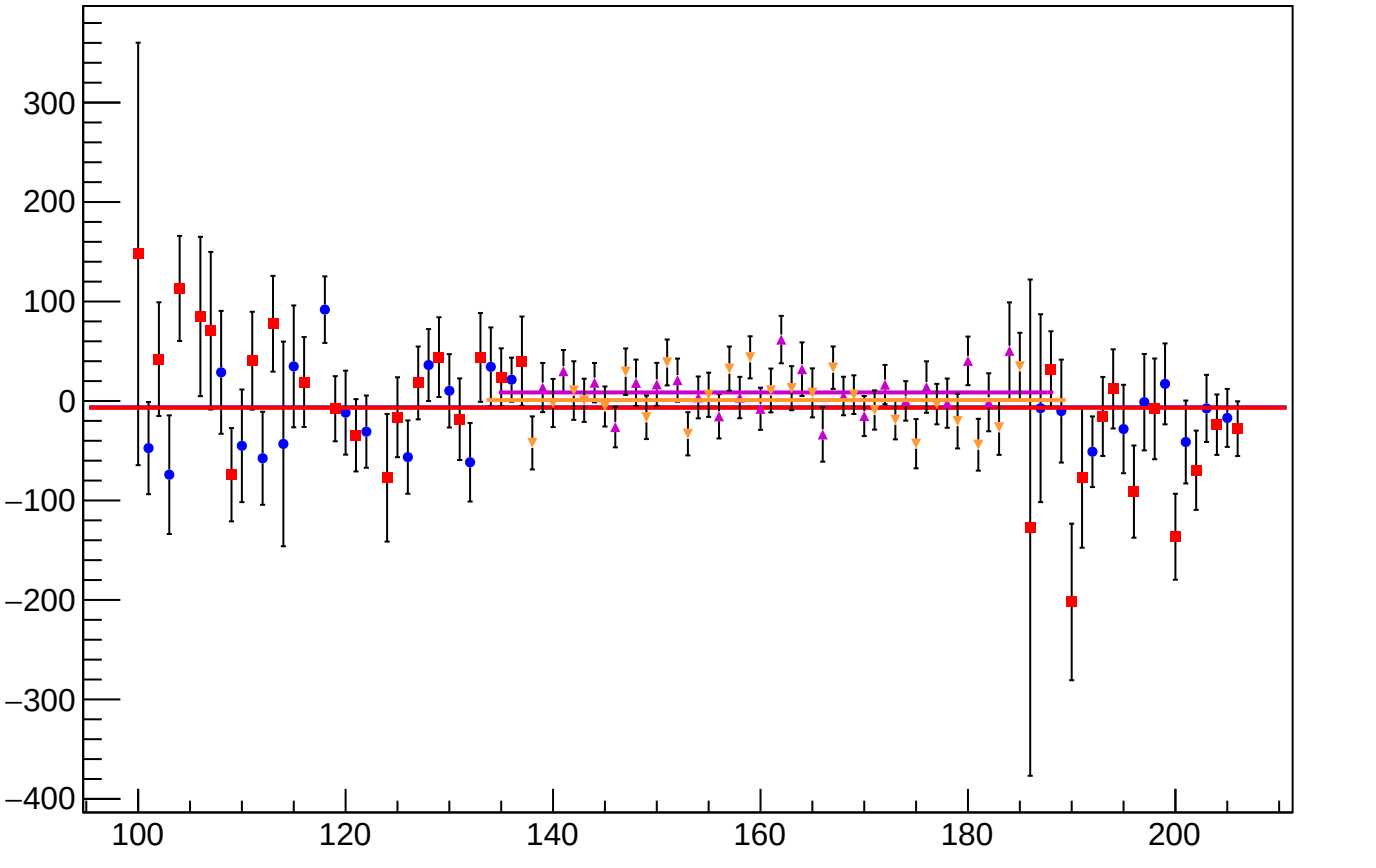
Right Out: 437.093+/-0.080 χ^2/NDF: 2847557.4/30

Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 192.690+/-0.026 χ^2/NDF: 11950941.3/49

All: 195.107+/-0.019 χ^2/NDF: 26246953.1/10

- sign 197.637+/-0.027 χ^2/NDF: 14278471.2/53



Right In: -6.393+/-8.071 χ^2/NDF: 24.8/24

Left Out: 0.915+/-4.574 χ^2/NDF:29.2/24

Right Out: -6.777+/-7.846 χ^2/NDF: 47.0/30

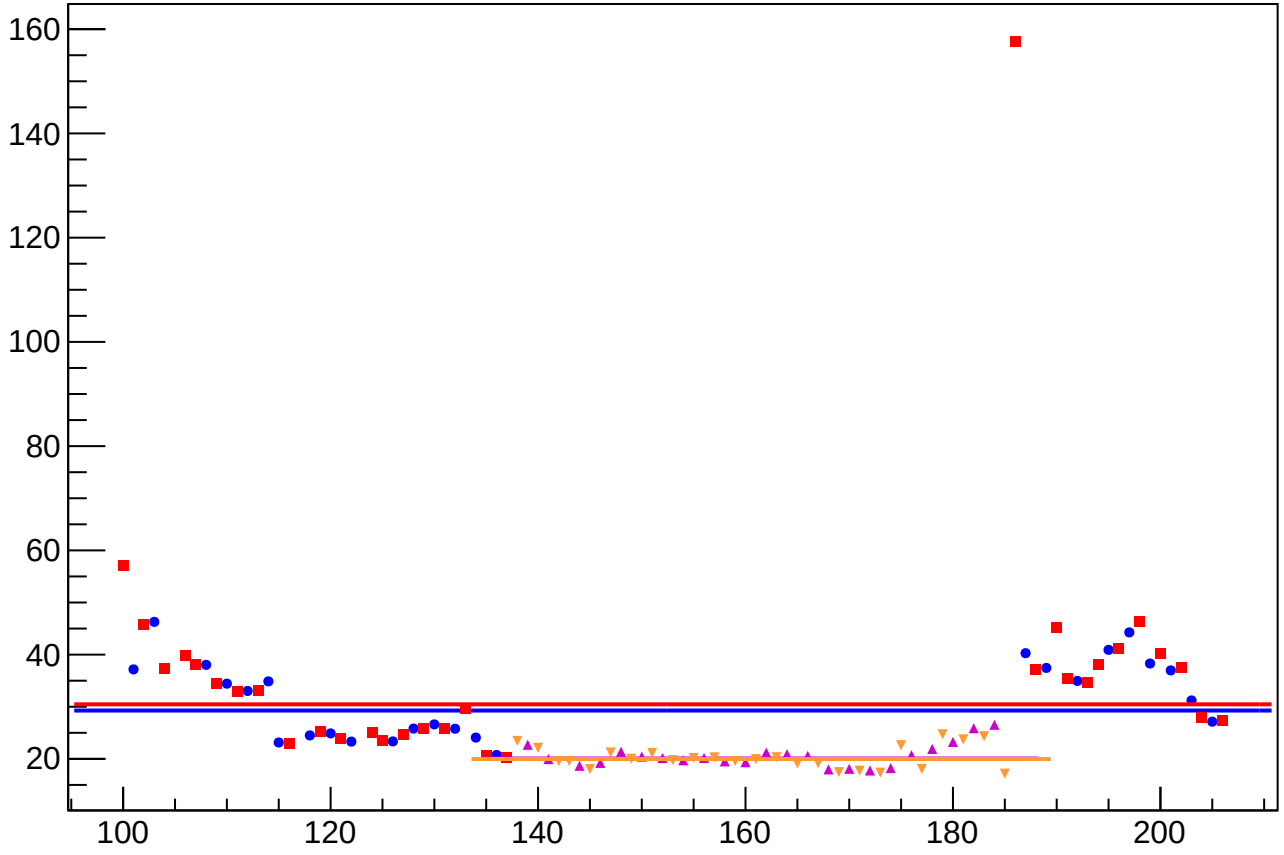
Left In: 8.600+/-4.724 χ^2/NDF:19.4/22

+ sign -0.862+/-3.979 χ^2/NDF: 54.6/49

All: 1.779+/-2.837 χ^2/NDF: 124.6/103

- sign 4.510+/-4.047 χ^2/NDF: 69.1/53

eigen_cor_asym_sam_1357_2468_dd_rms vs Slug



Right In: 29.271+/-0.006 χ^2/NDF: 1501058.1/24

Left Out: 19.969+/-0.003 χ^2/NDF:386763.9/24

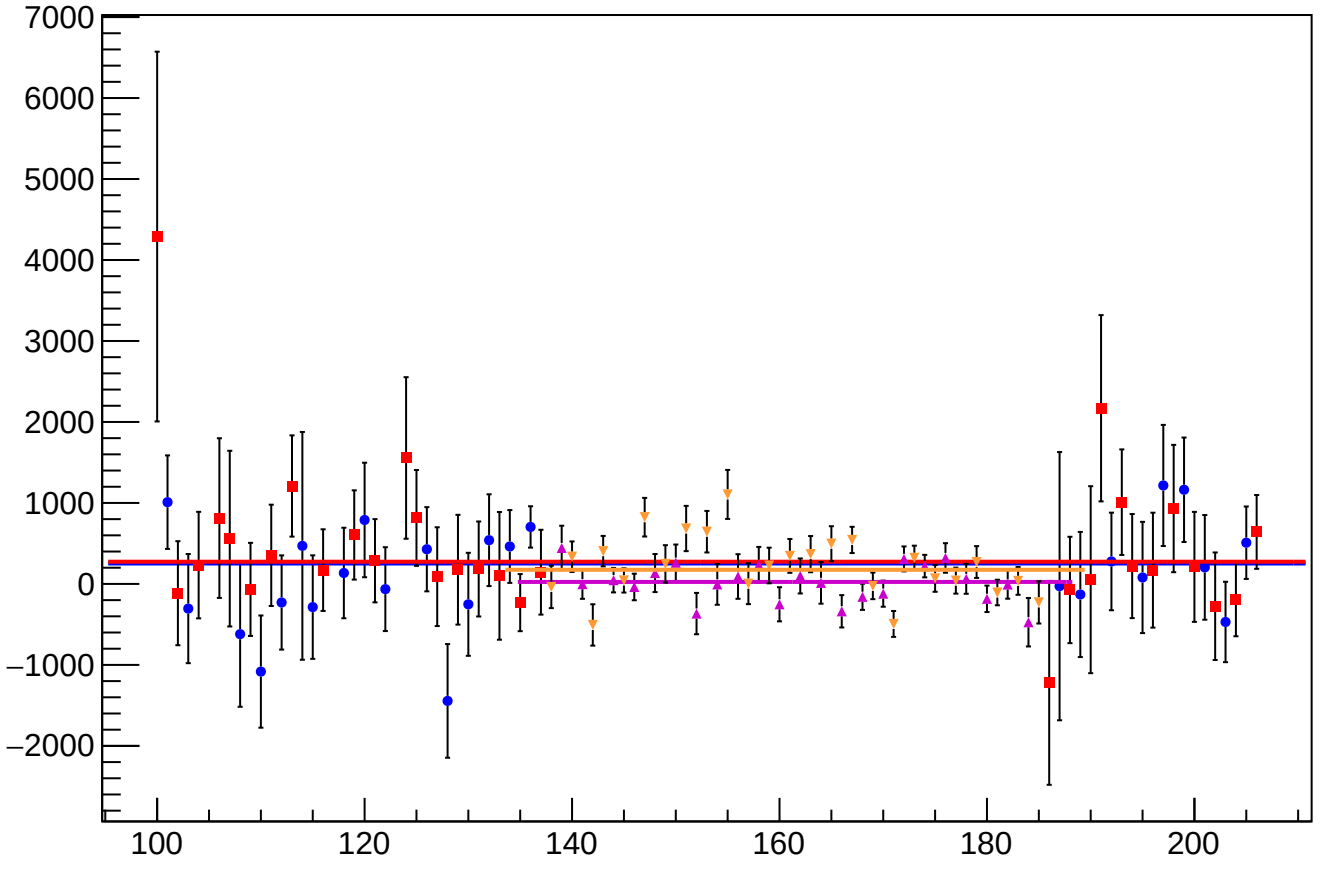
Right Out: 30.467+/-0.006 χ^2/NDF: 2222192.3/30

Left In: 20.072+/-0.003 χ^2/NDF:301705.2/22

+ sign 22.230+/-0.003 χ^2/NDF: 3899038.1/49

All: 22.529+/-0.002 χ^2/NDF: 9022431.8/103

- sign 22.838+/-0.003 χ^2/NDF: 5100476.6/53



Right In: 252.253+/-113.566 χ^2/NDF: 26.1/24

Left Out: 174.691+/-39.049 χ^2/NDF:71.2/24

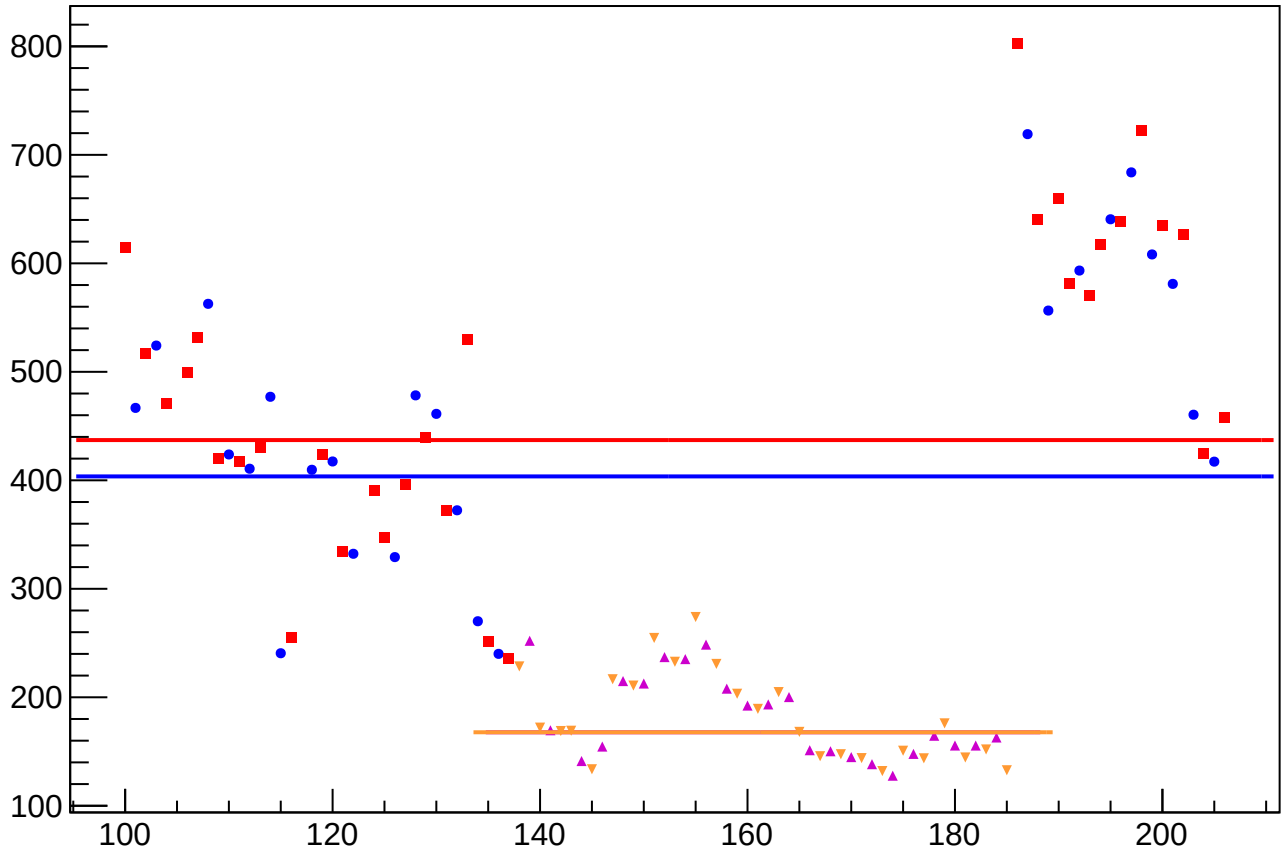
Right Out: 274.346+/-113.417 χ^2/NDF: 20.4/30

Left In: 24.590+/-40.070 χ^2/NDF:26.9/22

+ sign 182.891+/-36.927 χ^2/NDF: 97.7/49

All: 119.092+/-26.408 χ^2/NDF: 155.5/103

- sign 52.305+/-37.782 χ^2/NDF: 51.6/53



Right In: 403.599+/-0.080 χ^2/NDF: 2659192.7/24

Left Out: 167.754+/-0.028 χ^2/NDF:1578231.3/24

Right Out: 437.093+/-0.080 χ^2/NDF: 2847557.4/30

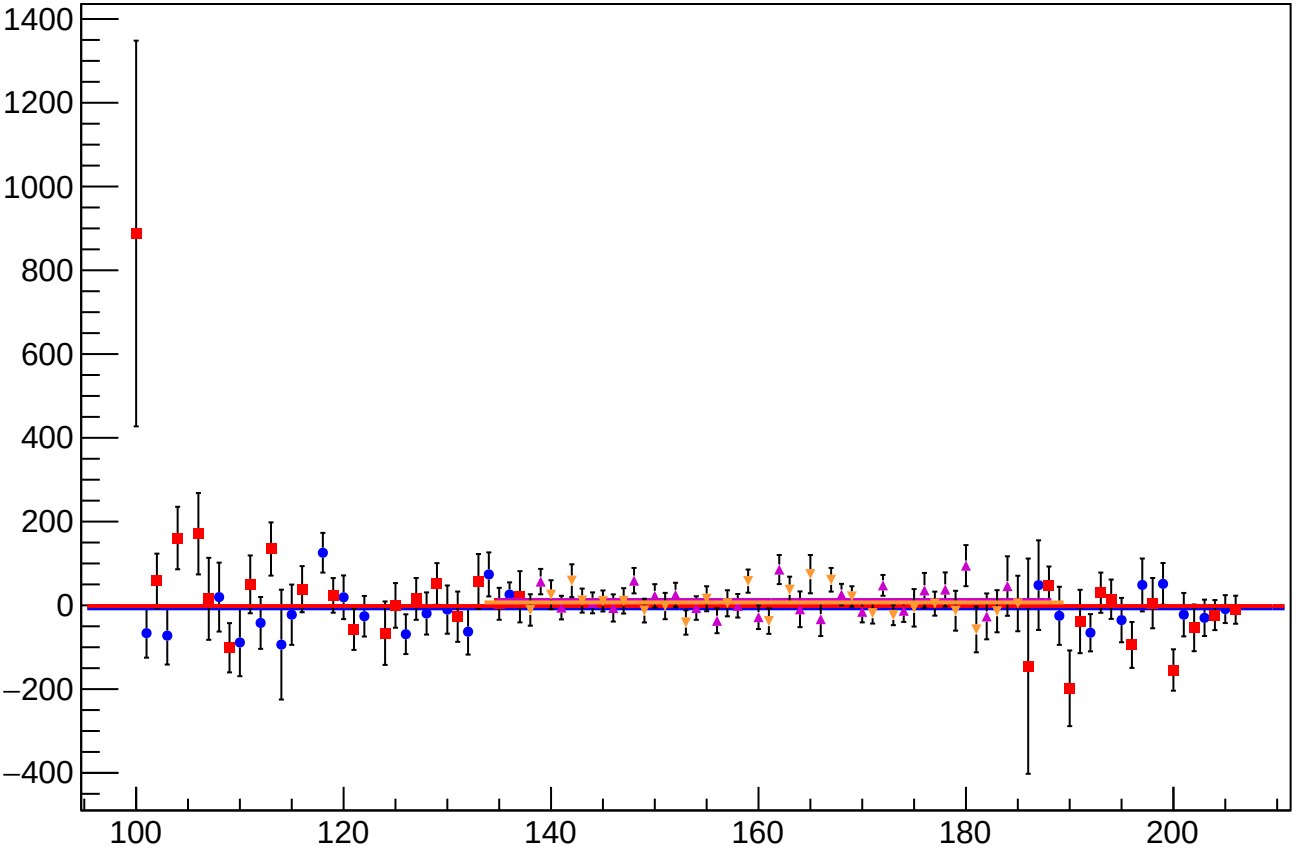
Left In: 167.748+/-0.028 χ^2/NDF:1403120.1/22

+ sign 192.690+/-0.026 χ^2/NDF: 11950941.3/49

All: 195.107+/-0.019 χ^2/NDF: 26246953.1/10

- sign 197.637+/-0.027 χ^2/NDF: 14278471.2/53

dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -7.046+/-10.431 χ^2/NDF: 23.4/24

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -1.618+/-9.908 χ^2/NDF: 46.5/30

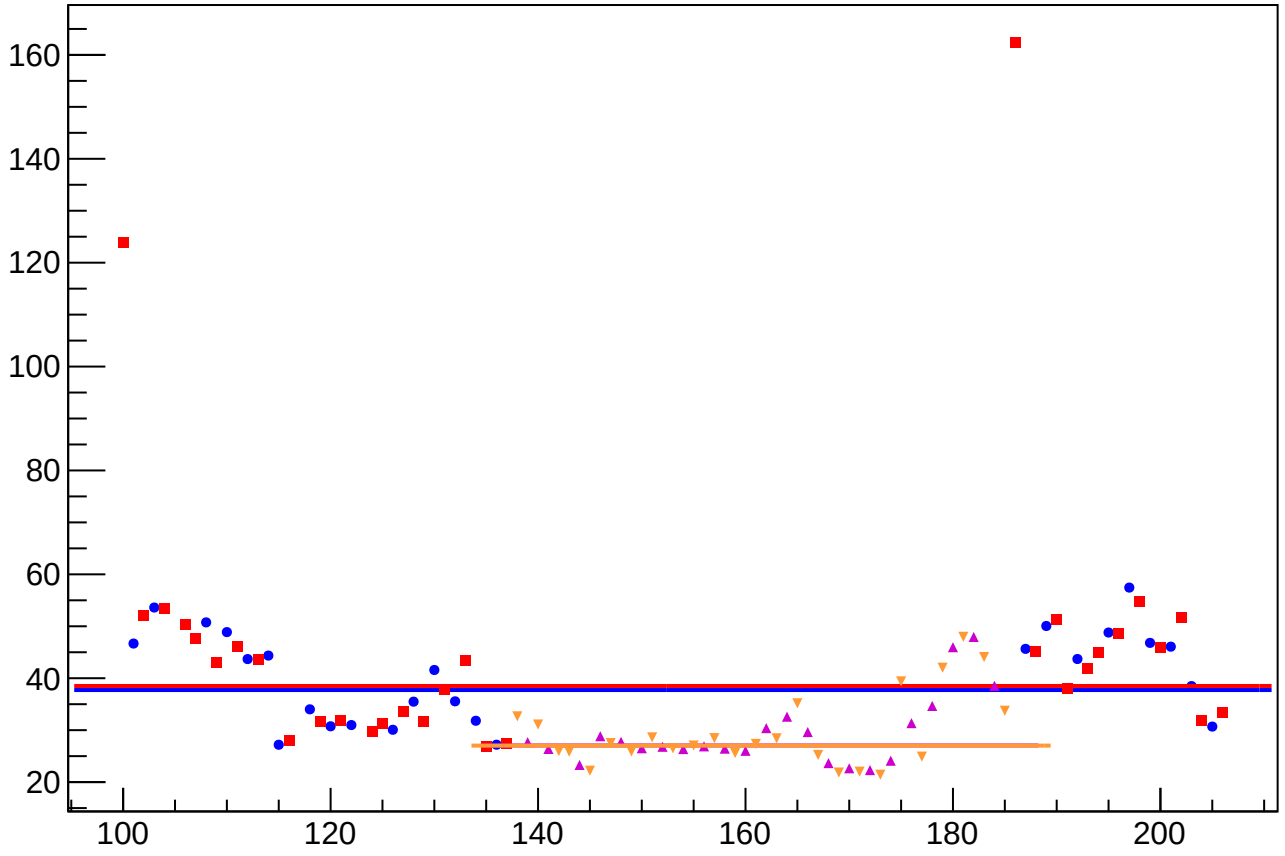
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.274+/-5.413 χ^2/NDF: 47.5/49

All: 5.812+/-3.838 χ^2/NDF: 121.5/103

- sign 8.377+/-5.443 χ^2/NDF: 73.6/53

dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 37.725+/-0.007 χ^2/NDF: 1351826.6/24

Left Out: 27.026+/-0.004 χ^2/NDF:1430523.7/24

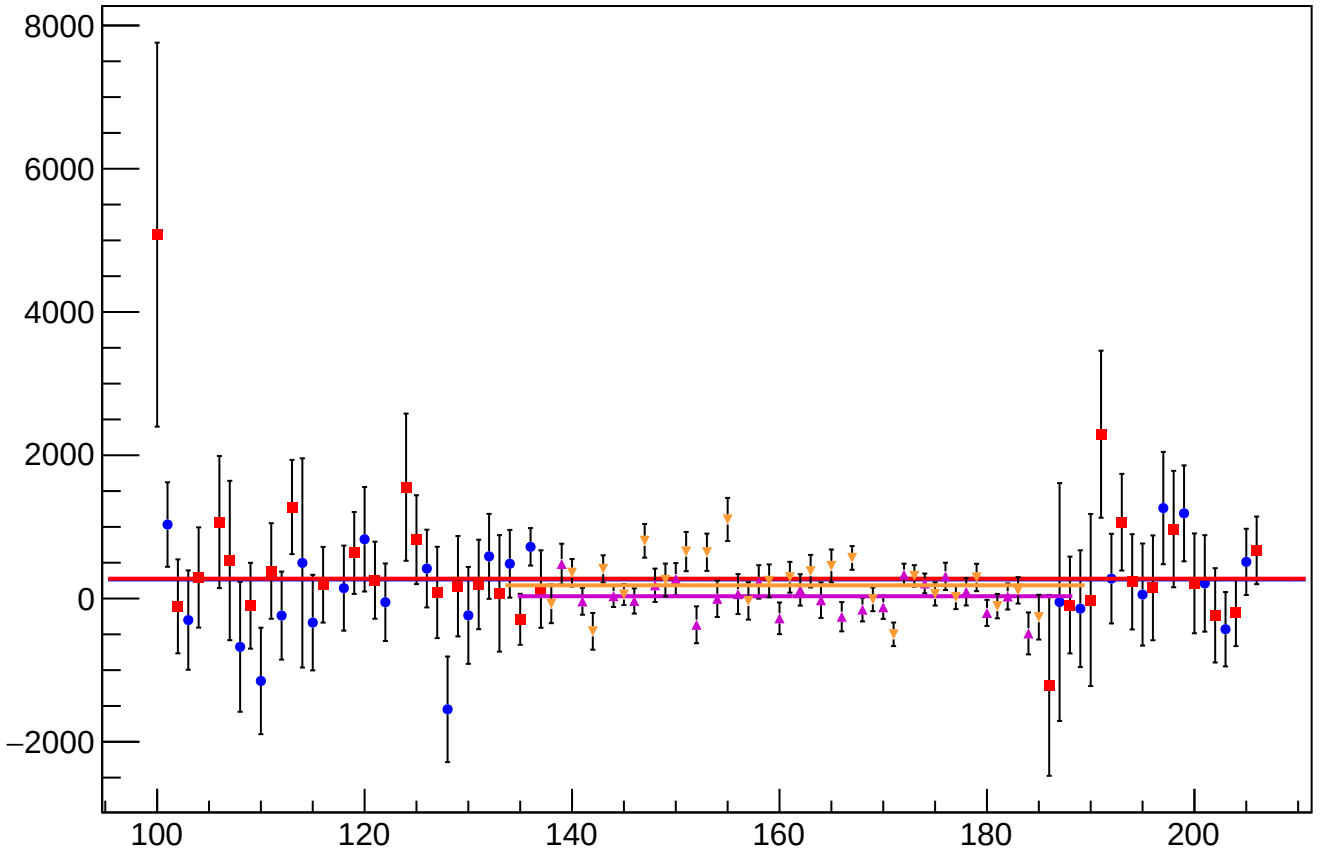
Right Out: 38.510+/-0.007 χ^2/NDF: 1958255.7/30

Left In: 27.052+/-0.005 χ^2/NDF:1044359.4/22

+ sign 29.908+/-0.004 χ^2/NDF: 4319594.9/49

All: 30.207+/-0.003 χ^2/NDF: 9201911.7/103

- sign 30.509+/-0.004 χ^2/NDF: 4870040.3/53



Right In: 266.319+/-118.132 χ^2/NDF: 25.7/24

Left Out: 184.675+/-39.832 χ^2/NDF:67.7/24

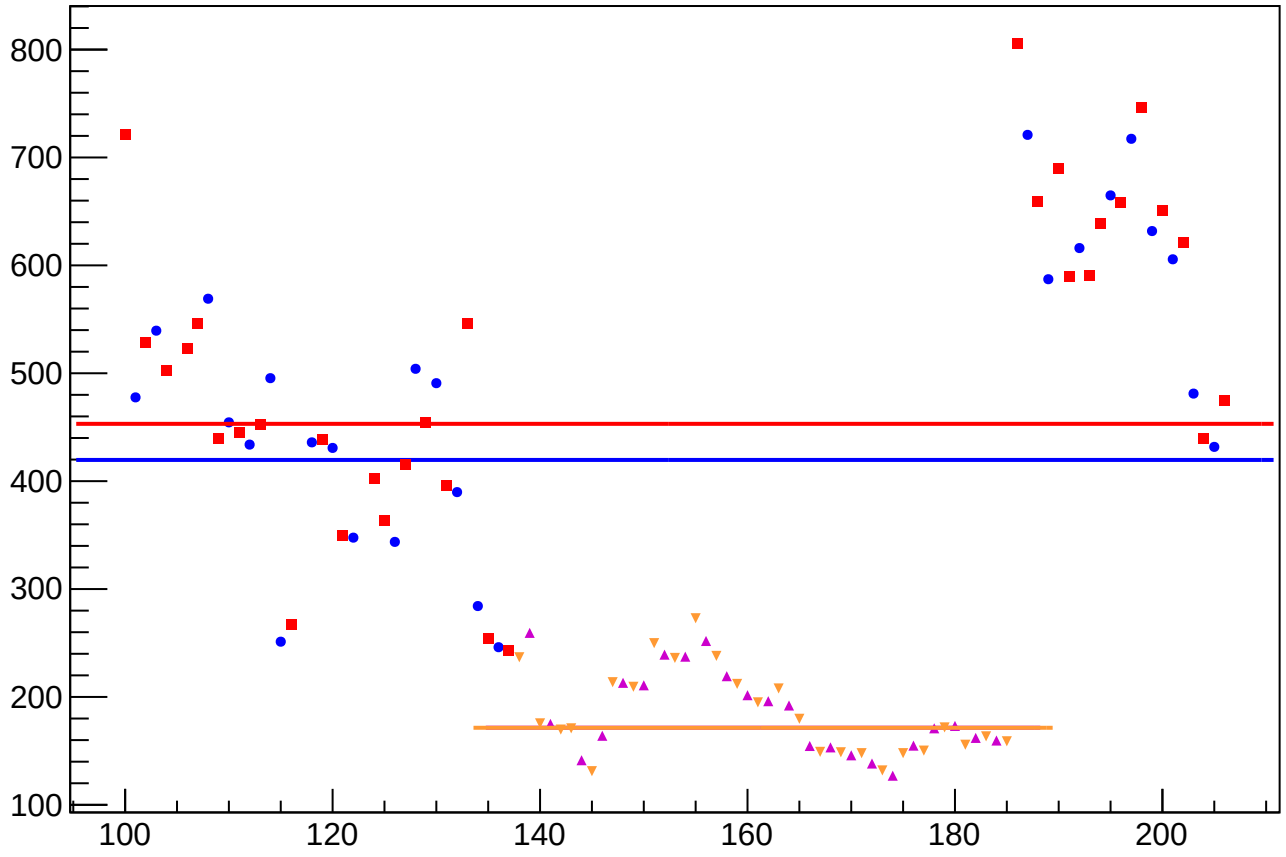
Right Out: 276.995+/-117.255 χ^2/NDF: 21.8/30

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 193.010+/-37.744 χ^2/NDF: 93.9/49

All: 127.435+/-27.014 χ^2/NDF: 152.1/103

- sign 58.565+/-38.681 χ^2/NDF: 52.0/53



Right In: 419.667+/-0.084 χ^2/NDF: 2700842.8/24

Left Out: 171.427+/-0.028 χ^2/NDF:1526852.0/24

Right Out: 453.124+/-0.083 χ^2/NDF: 2828146.1/30

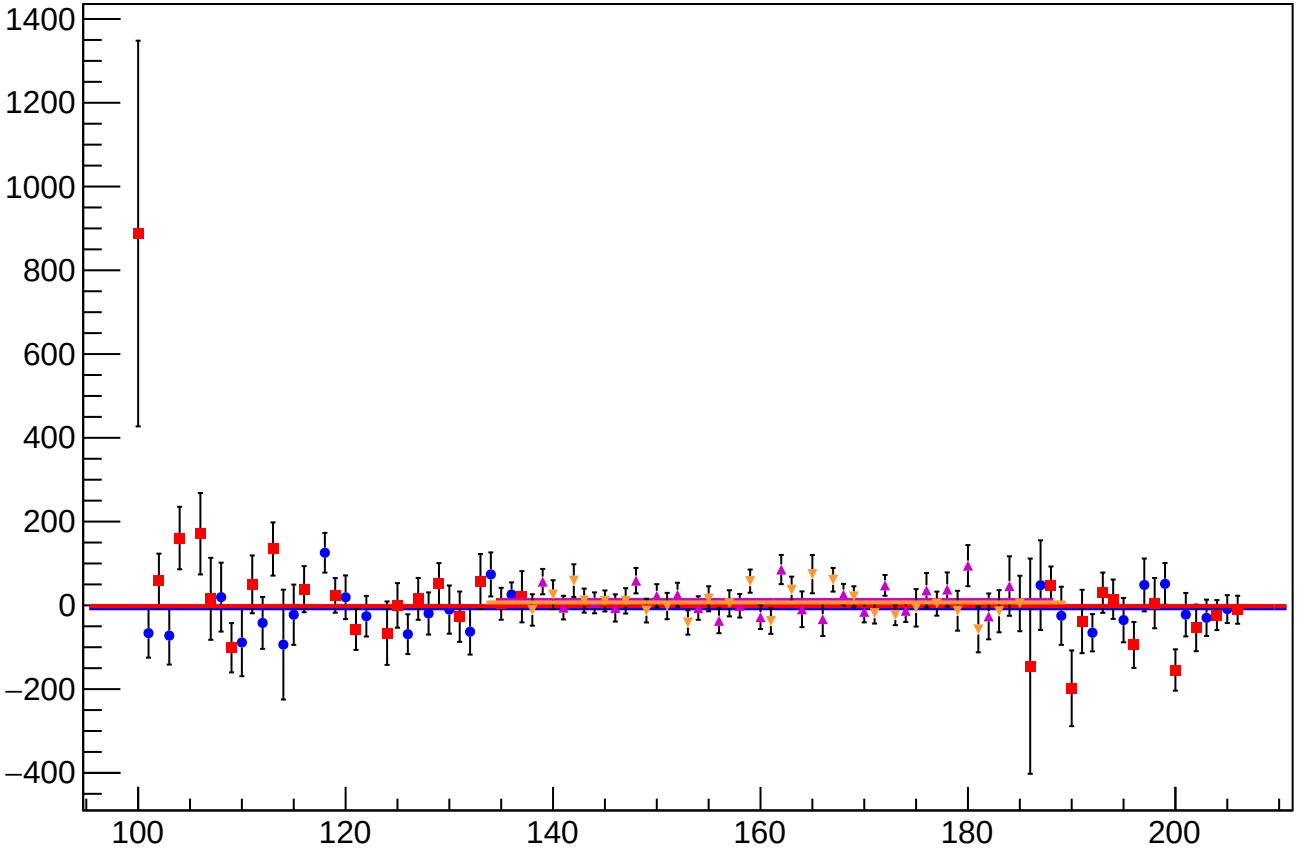
Left In: 171.490+/-0.029 χ^2/NDF:1415769.4/22

+ sign 196.769+/-0.027 χ^2/NDF: 12157734.9/49

All: 199.388+/-0.019 χ^2/NDF: 26703871.4/10

- sign 202.139+/-0.027 χ^2/NDF: 14526387.4/53

eigen_dit_asym_sam_1357_2468_dd_mean vs Slug



Right In: -7.047+/-10.431 χ^2/NDF: 23.4/24

Left Out: 7.079+/-6.333 χ^2/NDF:22.7/24

Right Out: -1.617+/-9.908 χ^2/NDF: 46.5/30

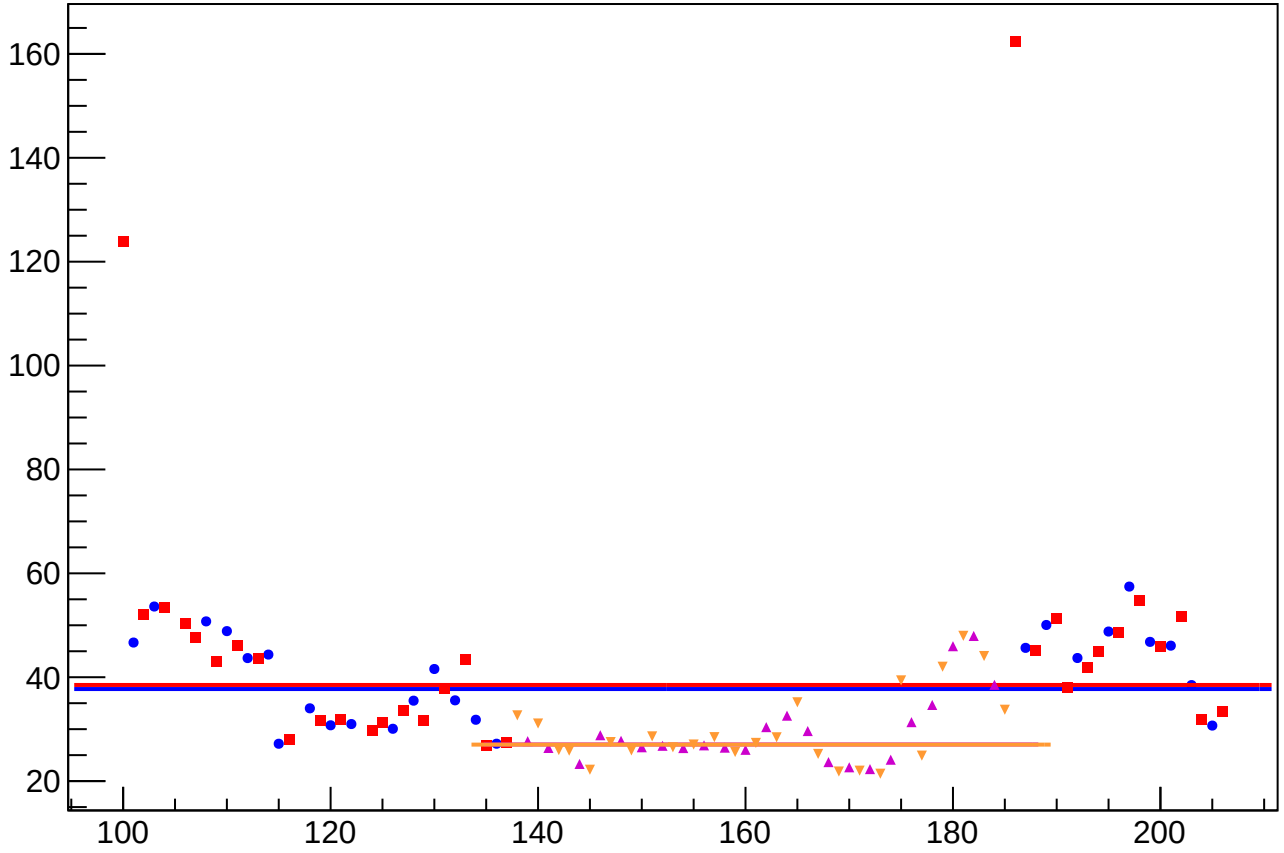
Left In: 12.697+/-6.513 χ^2/NDF:25.6/22

+ sign 3.274+/-5.413 χ^2/NDF: 47.5/49

All: 5.812+/-3.838 χ^2/NDF: 121.5/103

- sign 8.378+/-5.443 χ^2/NDF: 73.6/53

eigen_dit_asym_sam_1357_2468_dd_rms vs Slug



Right In: 37.724+/-0.007 χ^2/NDF: 1351823.8/24

Left Out: 27.026+/-0.004 χ^2/NDF:1430534.9/24

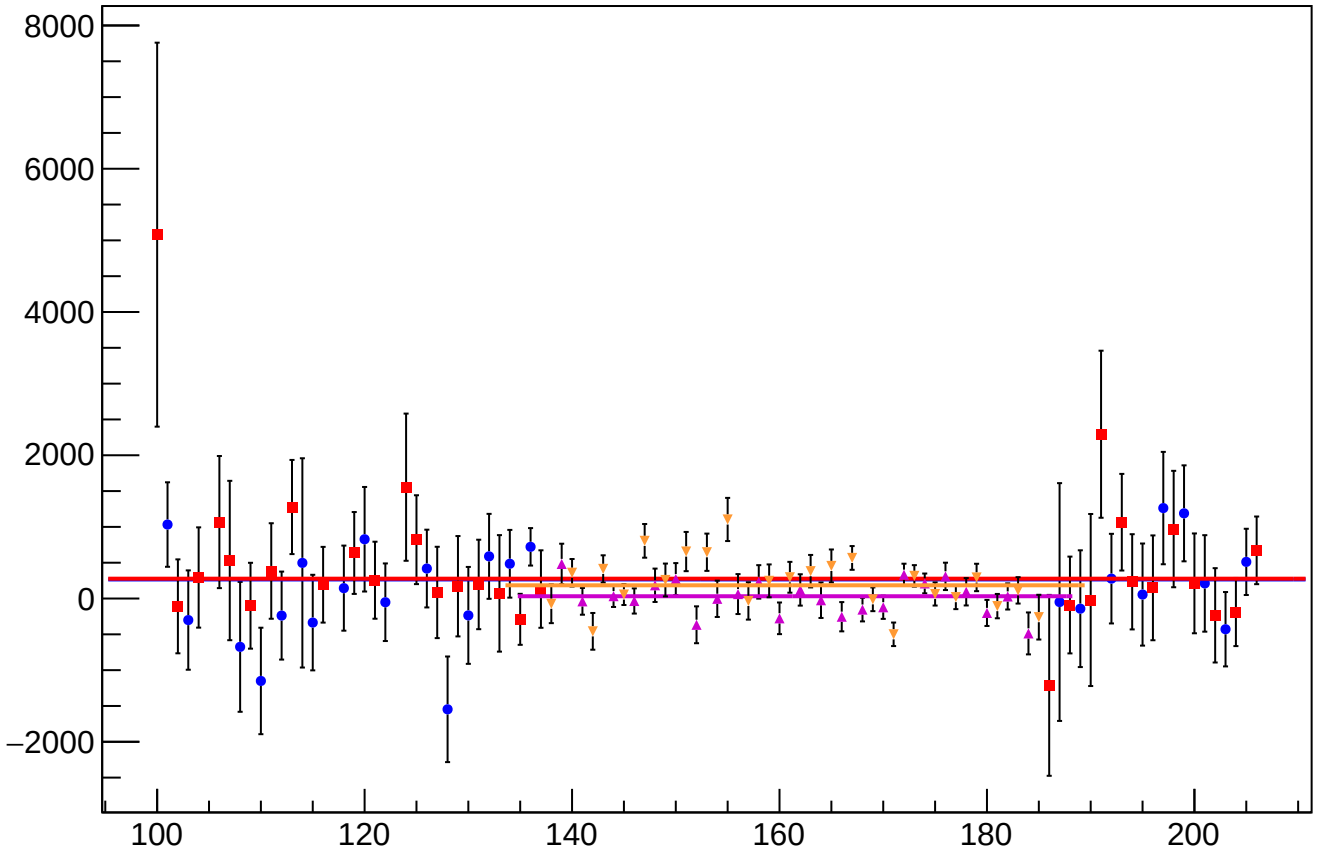
Right Out: 38.510+/-0.007 χ^2/NDF: 1958262.5/30

Left In: 27.052+/-0.005 χ^2/NDF:1044338.2/22

+ sign 29.908+/-0.004 χ^2/NDF: 4319490.5/49

All: 30.207+/-0.003 χ^2/NDF: 9201722.7/103

- sign 30.509+/-0.004 χ^2/NDF: 4869955.7/53



Right In: 266.318+/-118.132 χ^2/NDF: 25.7/24

Left Out: 184.674+/-39.832 χ^2/NDF:67.7/24

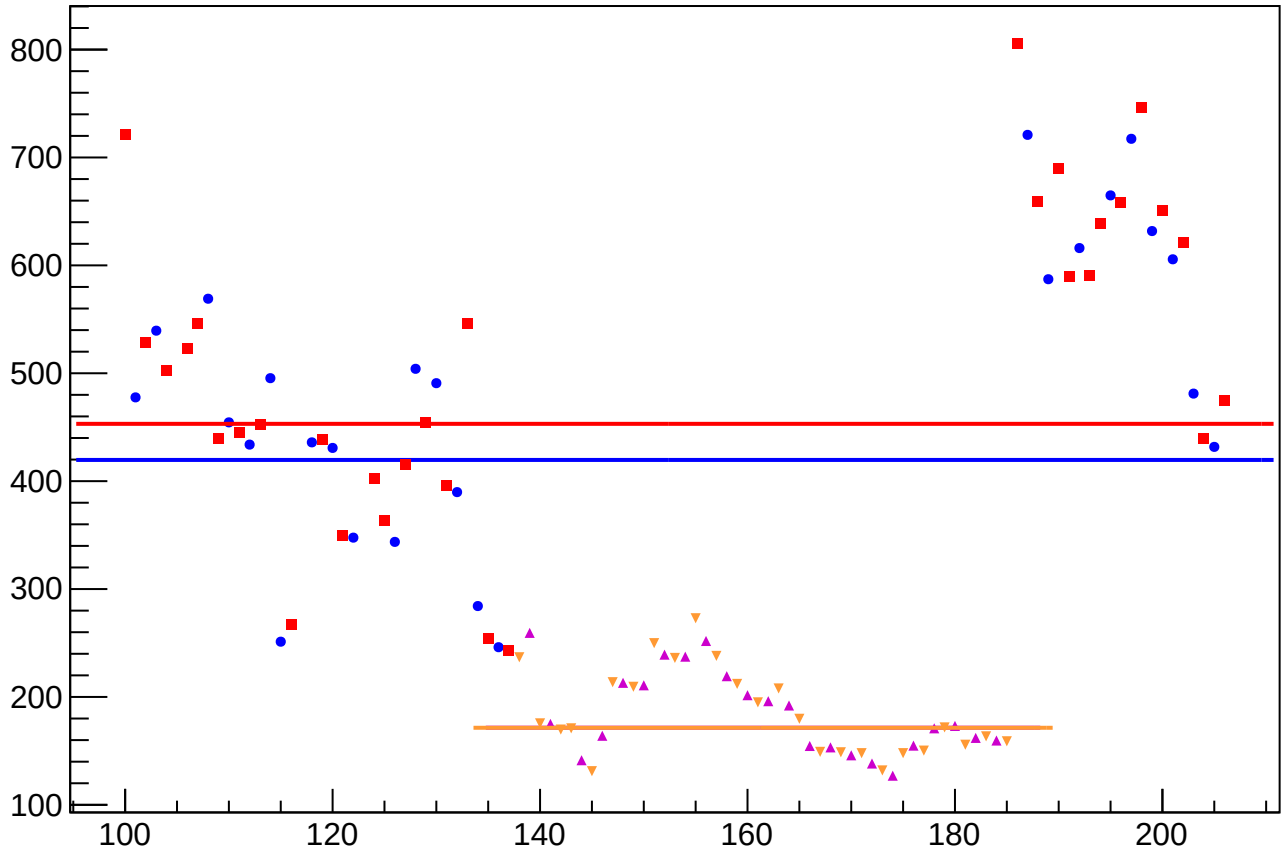
Right Out: 276.996+/-117.255 χ^2/NDF: 21.8/30

Left In: 31.891+/-40.975 χ^2/NDF:26.4/22

+ sign 193.009+/-37.744 χ^2/NDF: 93.9/49

All: 127.435+/-27.014 χ^2/NDF: 152.1/103

- sign 58.565+/-38.681 χ^2/NDF: 52.0/53



Right In: 419.666+/-0.084 χ^2/NDF: 2700847.9/24

Left Out: 171.426+/-0.028 χ^2/NDF:1526868.9/24

Right Out: 453.123+/-0.083 χ^2/NDF: 2828158.2/30

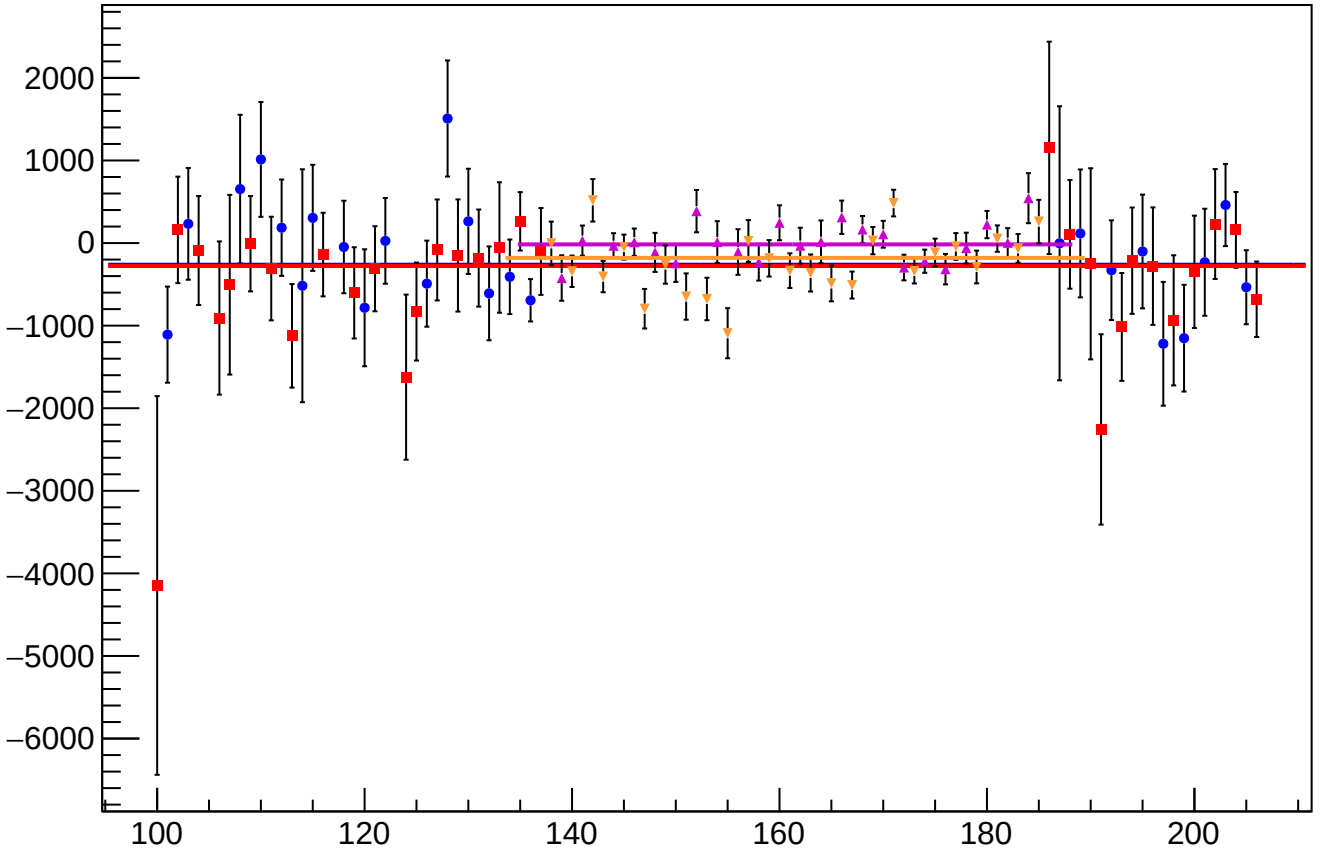
Left In: 171.489+/-0.029 χ^2/NDF:1415782.1/22

+ sign 196.768+/-0.027 χ^2/NDF: 12157769.0/49

All: 199.387+/-0.019 χ^2/NDF: 26703955.3/10

- sign 202.138+/-0.027 χ^2/NDF: 14526438.0/53

asym_sam_1357_2468_dd_mean vs Slug



Right In: -262.220+/-113.926 χ^2/NDF: 26.3/24

Left Out: -179.656+/-39.364 χ^2/NDF:67.1/24

Right Out: -277.556+/-113.639 χ^2/NDF: 20.5/30

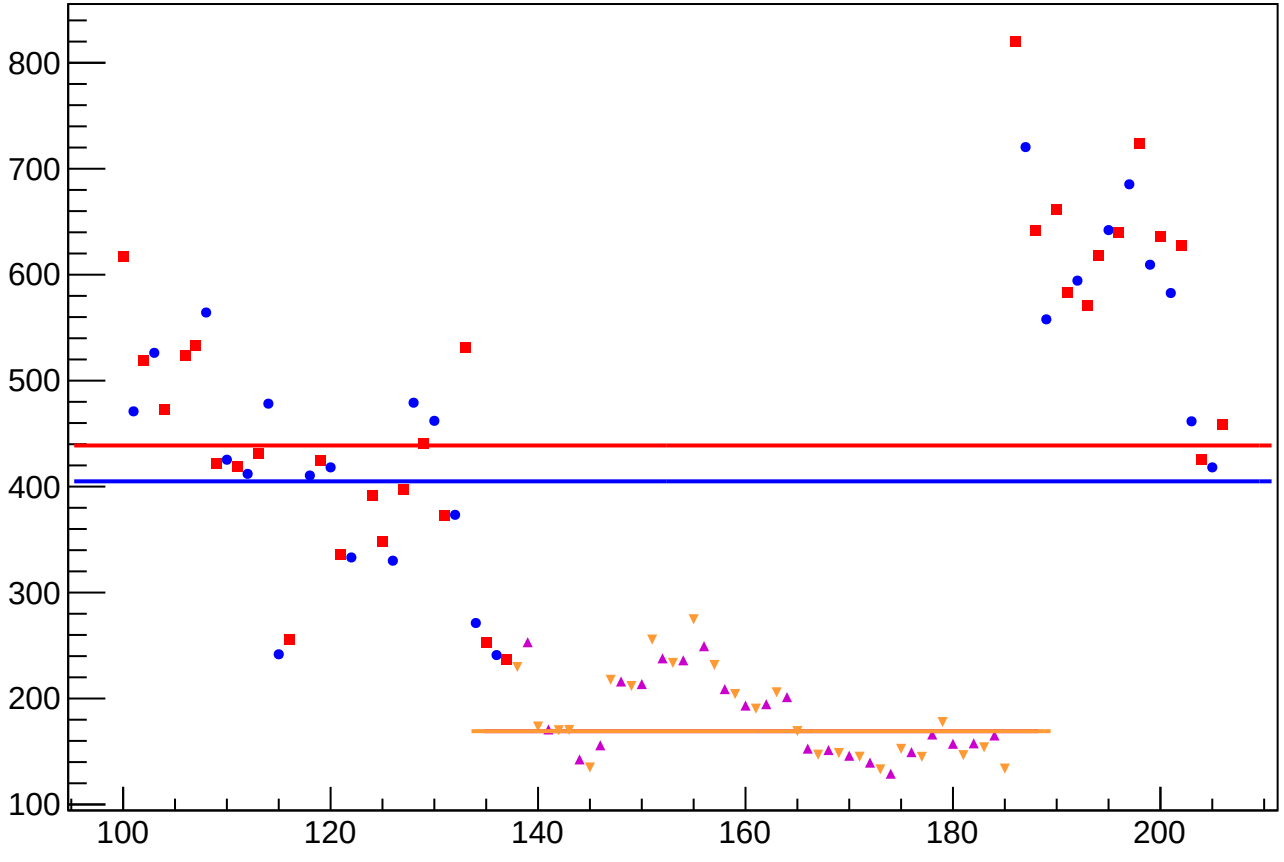
Left In: -16.057+/-40.396 χ^2/NDF:26.6/22

+ sign -188.461+/-37.205 χ^2/NDF: 93.9/49

All: -118.557+/-26.606 χ^2/NDF: 152.9/103

- sign -45.394+/-38.063 χ^2/NDF: 51.8/53

asym_sam_1357_2468_dd_rms vs Slug



Right In: 404.972+/-0.081 χ^2/NDF: 2650643.0/24

Left Out: 169.182+/-0.028 χ^2/NDF:1547748.9/24

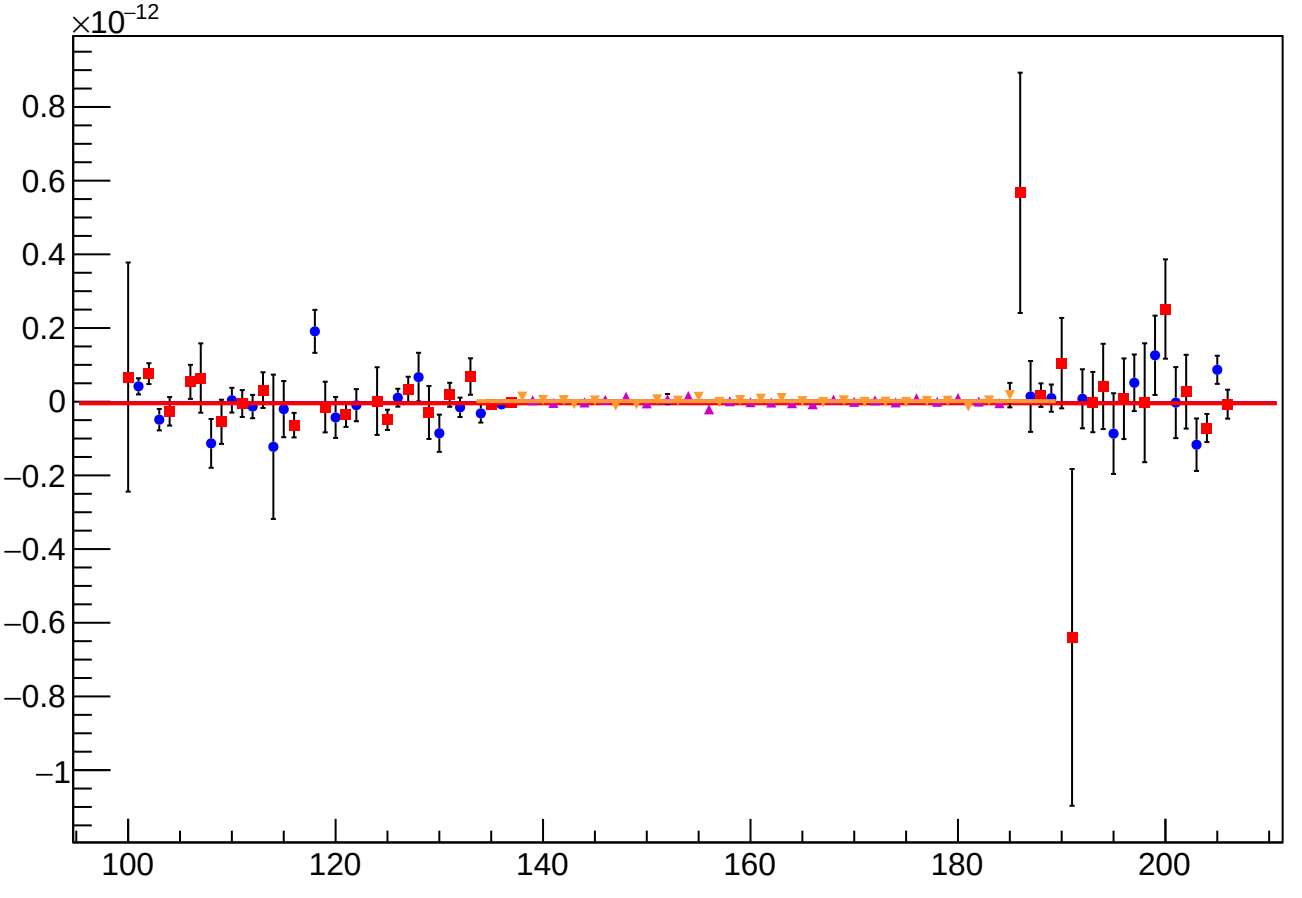
Right Out: 438.811+/-0.080 χ^2/NDF: 2855627.6/30

Left In: 169.187+/-0.029 χ^2/NDF:1374439.5/22

+ sign 194.329+/-0.026 χ^2/NDF: 11851767.6/49

All: 196.824+/-0.019 χ^2/NDF: 26096024.1/10

- sign 199.436+/-0.027 χ^2/NDF: 14225842.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 38.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:18.8/24

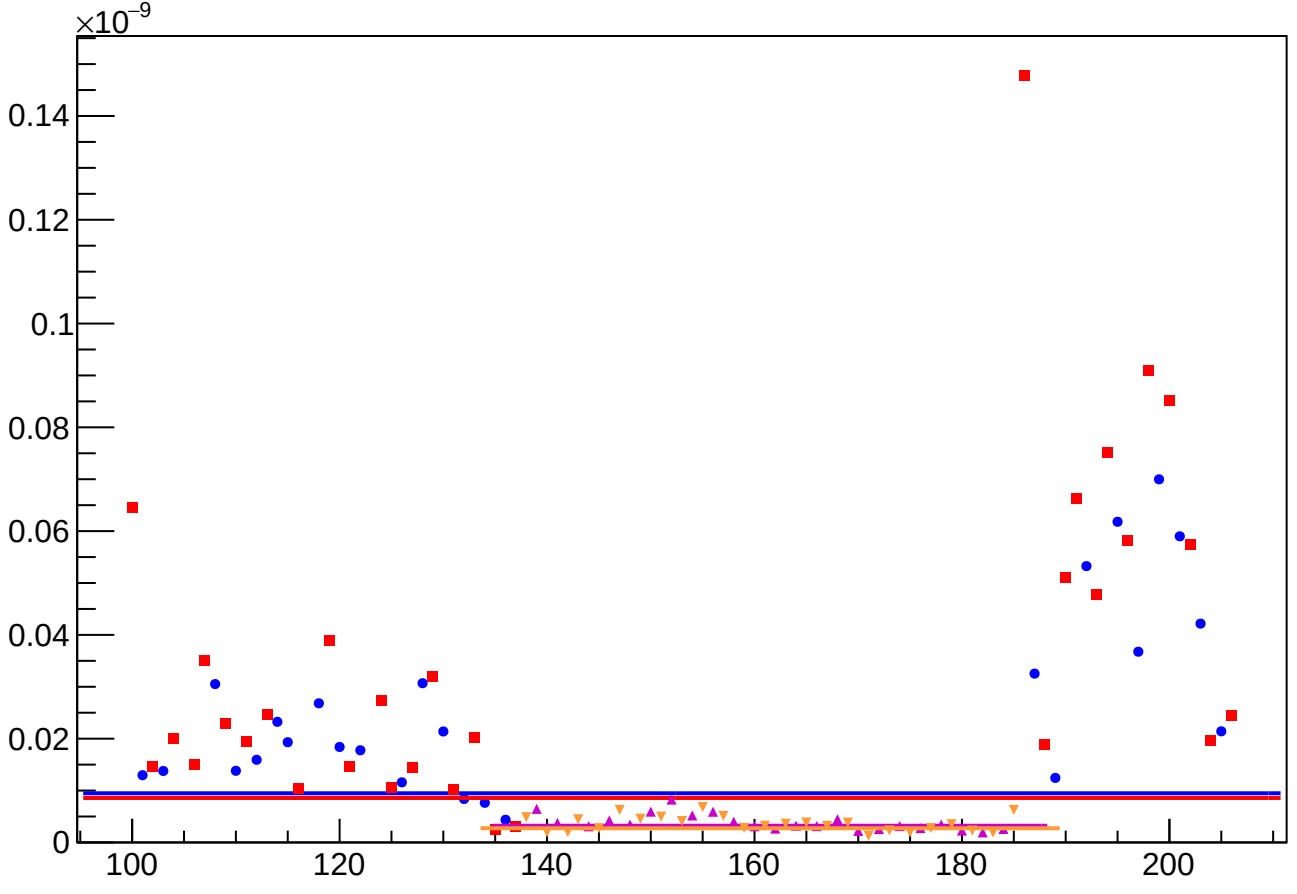
Right Out: -0.000+/-0.000 χ^2/NDF: 36.2/30

Left In: 0.000+/-0.000 χ^2/NDF:19.7/22

+ sign 0.000+/-0.000 χ^2/NDF: 58.0/49

All: 0.000+/-0.000 χ^2/NDF: 114.9/103

- sign 0.000+/-0.000 χ^2/NDF: 56.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 5295477.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:1923193.7/24

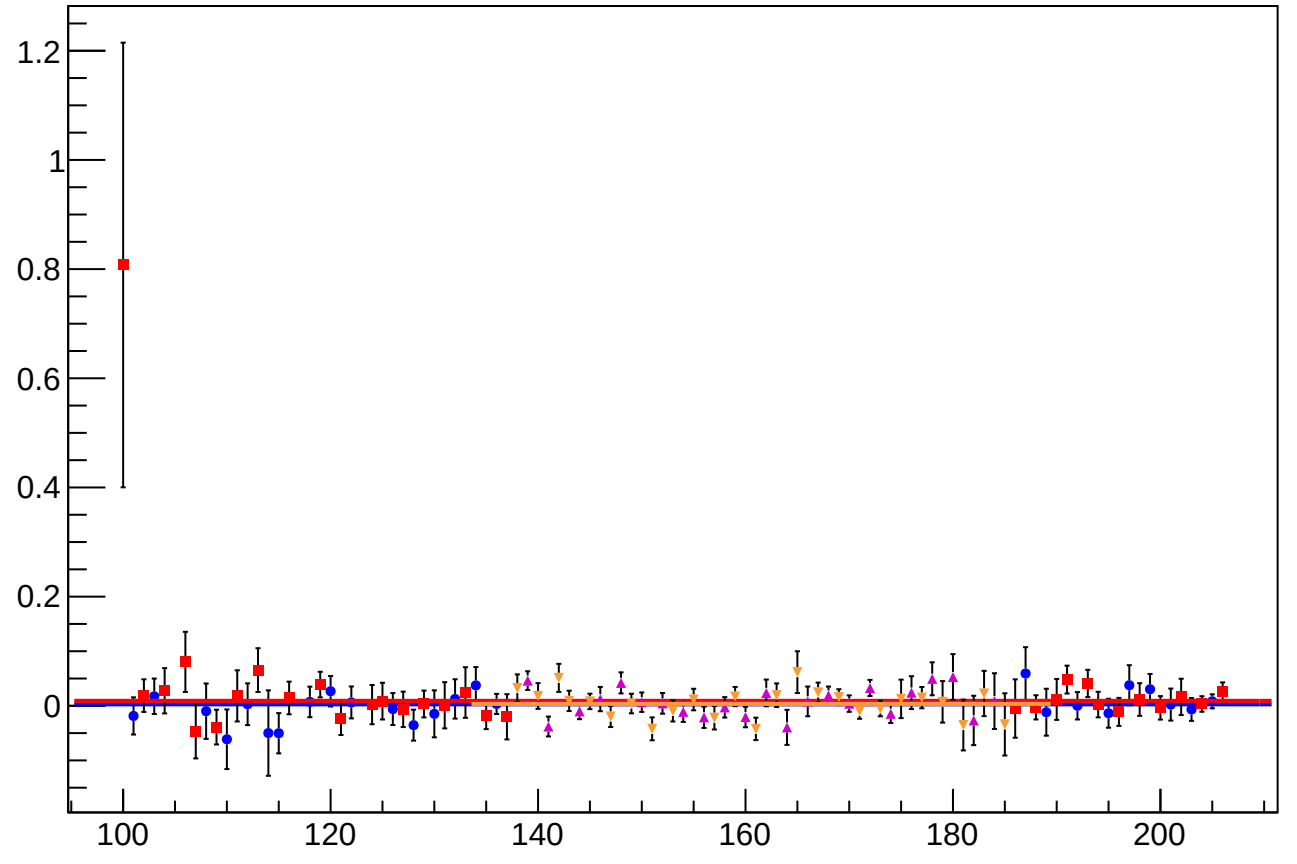
Right Out: 0.000+/-0.000 χ^2/NDF: 8110340.7/30

Left In: 0.000+/-0.000 χ^2/NDF:1355602.1/22

+ sign 0.000+/-0.000 χ^2/NDF: 10108040.5/49

All: 0.000+/-0.000 χ^2/NDF: 21650372.6/103

- sign 0.000+/-0.000 χ^2/NDF: 11367461.6/53



Right In: 0.003+/-0.006 χ^2/NDF: 12.7/24

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/30

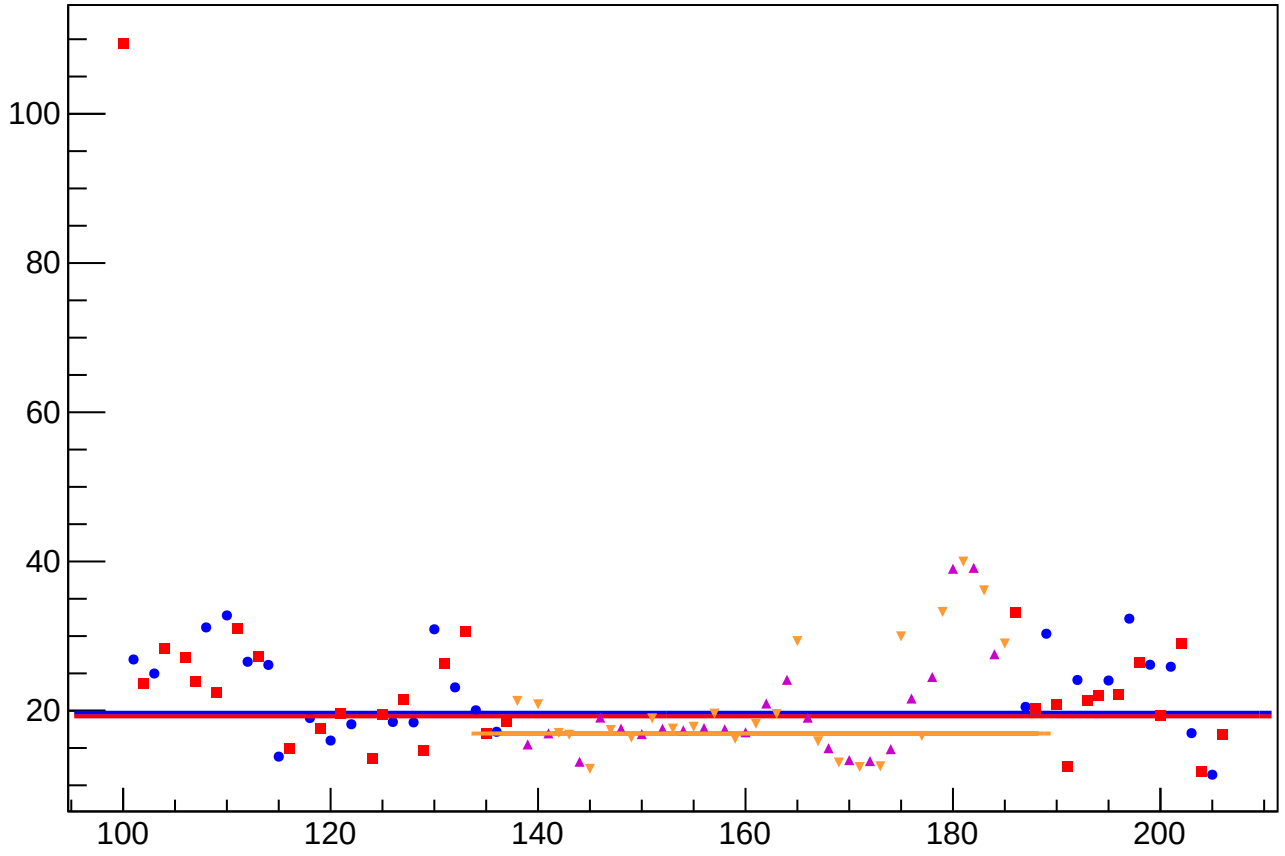
Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.6/49

All: 0.005+/-0.002 χ^2/NDF: 96.7/103

- sign 0.007+/-0.003 χ^2/NDF: 56.4/53

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs Slug



Right In: 19.726+/-0.004 χ^2/NDF: 2256566.3/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

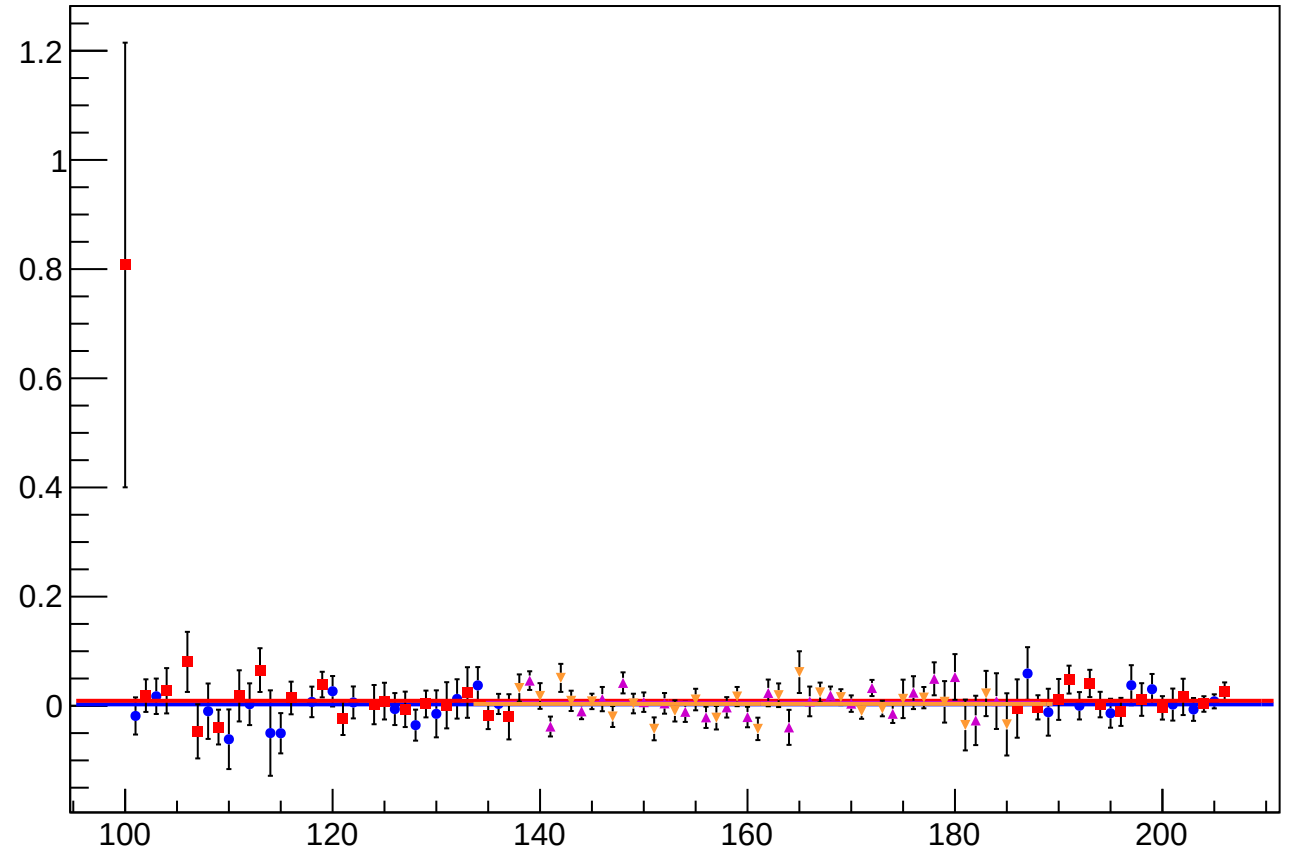
Right Out: 19.239+/-0.004 χ^2/NDF: 2113985.6/30

Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

+ sign 17.888+/-0.002 χ^2/NDF: 5409596.9/49

All: 17.876+/-0.002 χ^2/NDF: 9706516.4/103

- sign 17.865+/-0.002 χ^2/NDF: 4296870.3/53



Right In: 0.003+/-0.006 χ^2/NDF: 12.7/24

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

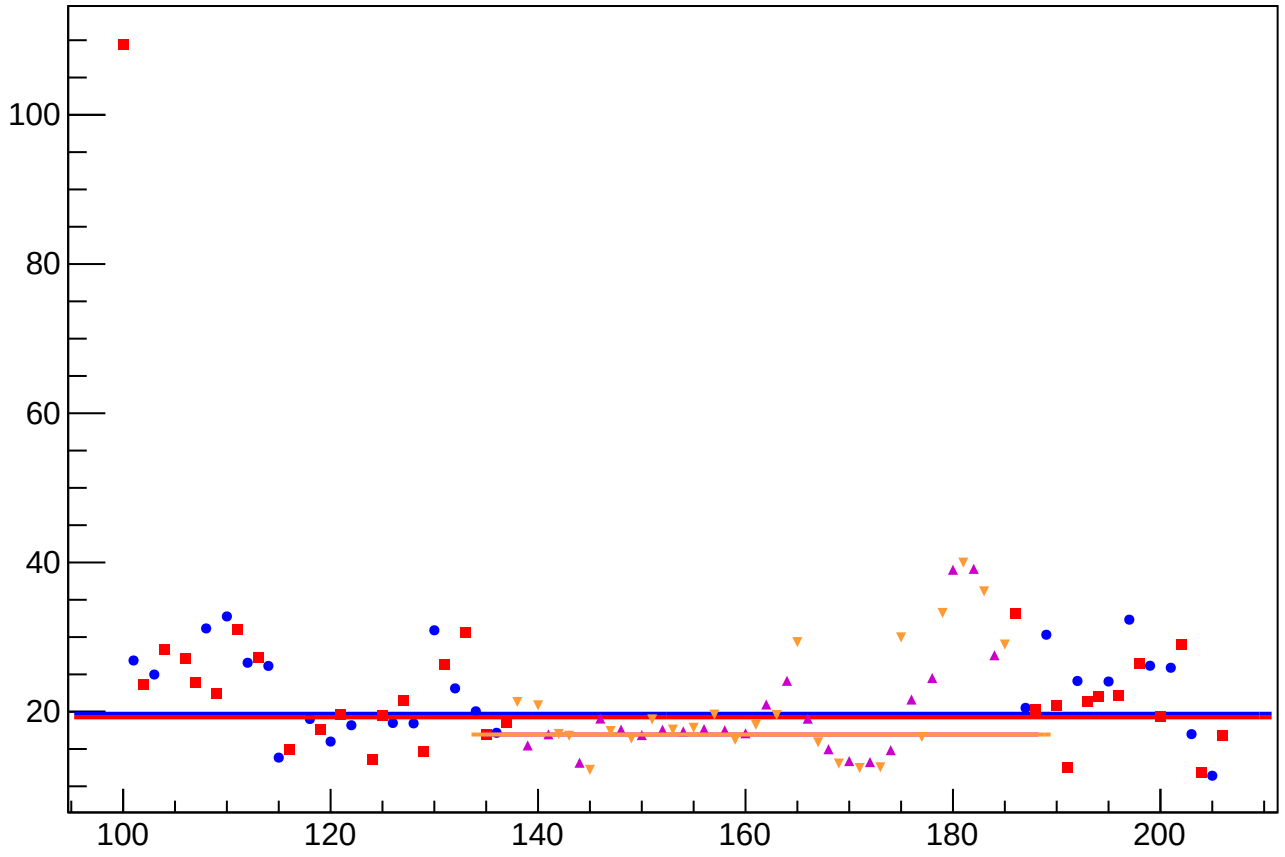
Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/30

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.6/49

All: 0.005+/-0.002 χ^2/NDF: 96.7/103

- sign 0.007+/-0.003 χ^2/NDF: 56.4/53



Right In: 19.726+/-0.004 χ^2/NDF: 2256566.3/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836877.8/24

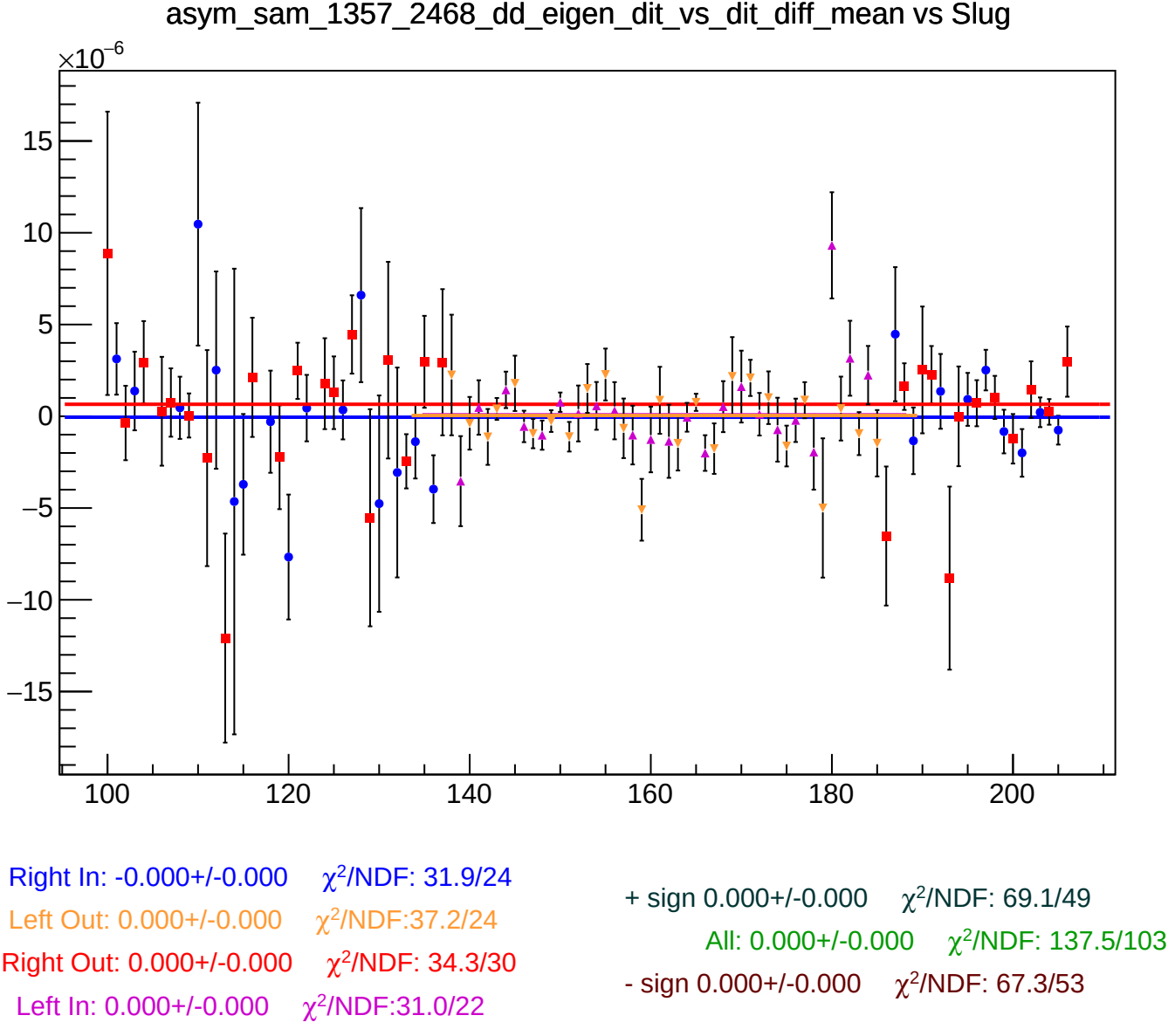
Right Out: 19.239+/-0.004 χ^2/NDF: 2113985.6/30

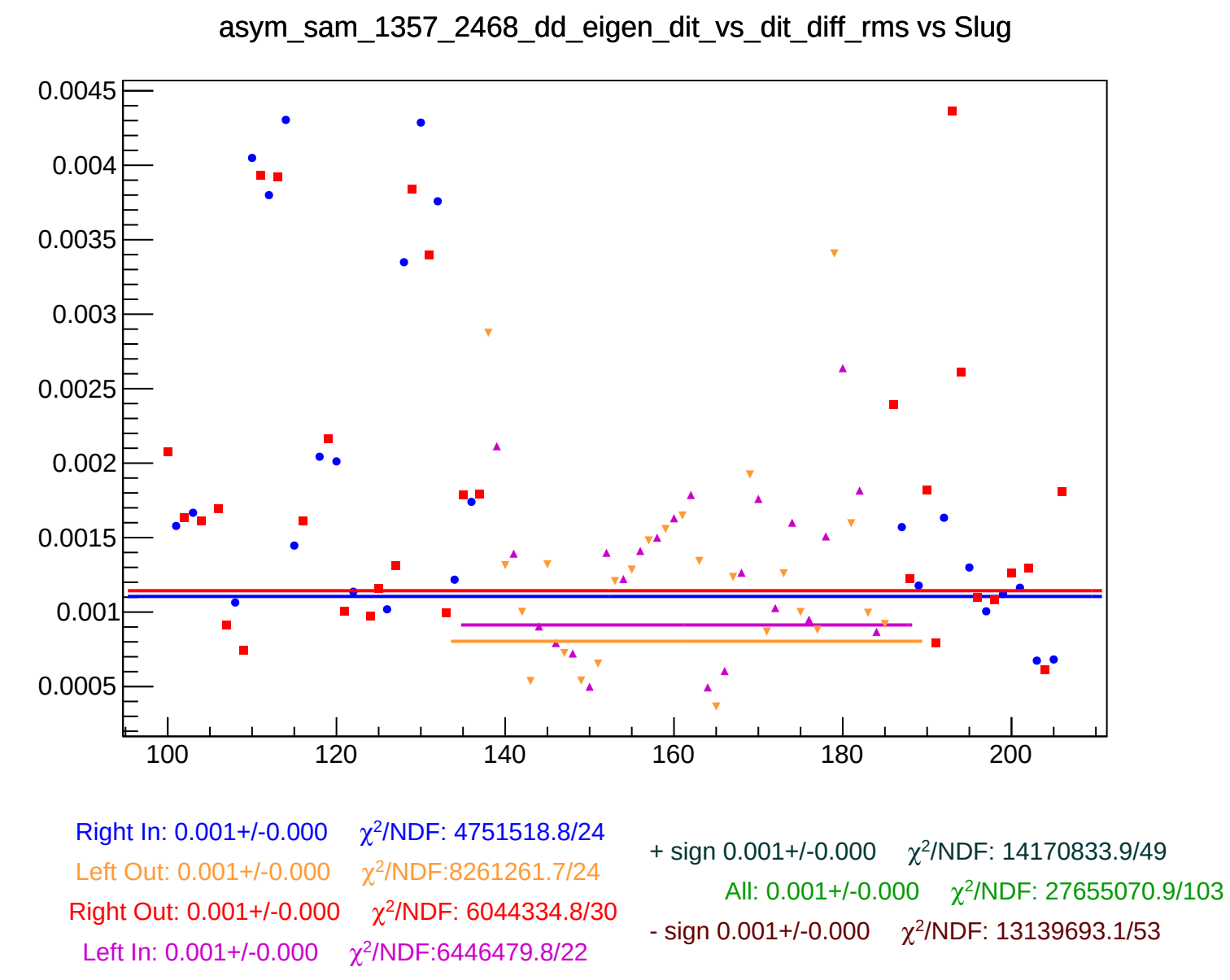
Left In: 16.943+/-0.003 χ^2/NDF:1941845.2/22

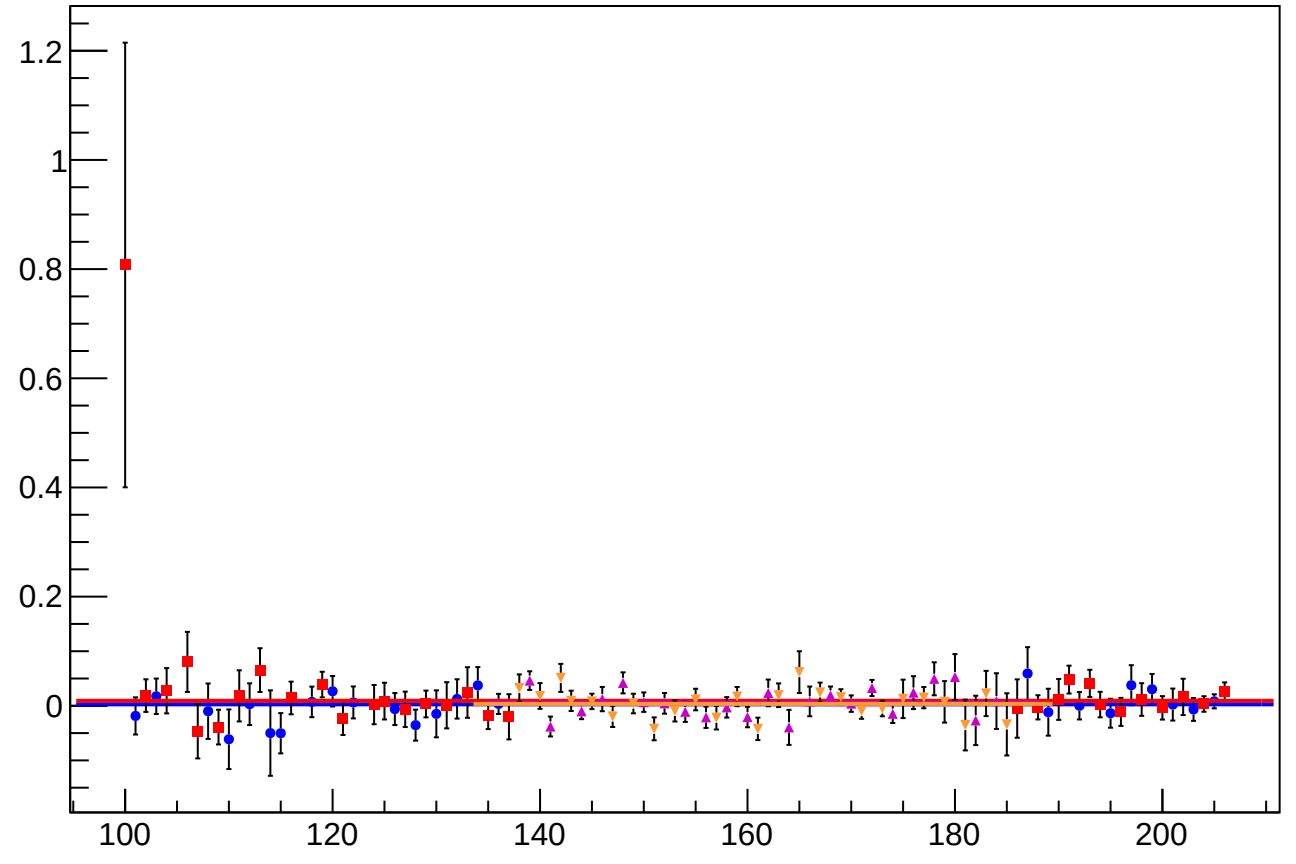
+ sign 17.888+/-0.002 χ^2/NDF: 5409596.9/49

All: 17.876+/-0.002 χ^2/NDF: 9706516.4/103

- sign 17.865+/-0.002 χ^2/NDF: 4296870.3/53


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs Slug
×10⁻⁶
15
10
5
0
−5
−10
−15
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 31.9/24
Left Out: 0.000+/-0.000 χ²/NDF:37.2/24
Right Out: 0.000+/-0.000 χ²/NDF: 34.3/30
Left In: 0.000+/-0.000 χ²/NDF:31.0/22
+ sign 0.000+/-0.000 χ²/NDF: 69.1/49
All: 0.000+/-0.000 χ²/NDF: 137.5/103
- sign 0.000+/-0.000 χ²/NDF: 67.3/53


asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs Slug
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
0.0005
100
120
140
160
180
200
Right In: 0.001+/-0.000 χ²/NDF: 4751518.8/24
Left Out: 0.001+/-0.000 χ²/NDF:8261261.7/24
Right Out: 0.001+/-0.000 χ²/NDF: 6044334.8/30
Left In: 0.001+/-0.000 χ²/NDF:6446479.8/22
+ sign 0.001+/-0.000 χ²/NDF: 14170833.9/49
All: 0.001+/-0.000 χ²/NDF: 27655070.9/103
- sign 0.001+/-0.000 χ²/NDF: 13139693.1/53



Right In: 0.003+/-0.006 χ^2/NDF: 12.7/24

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

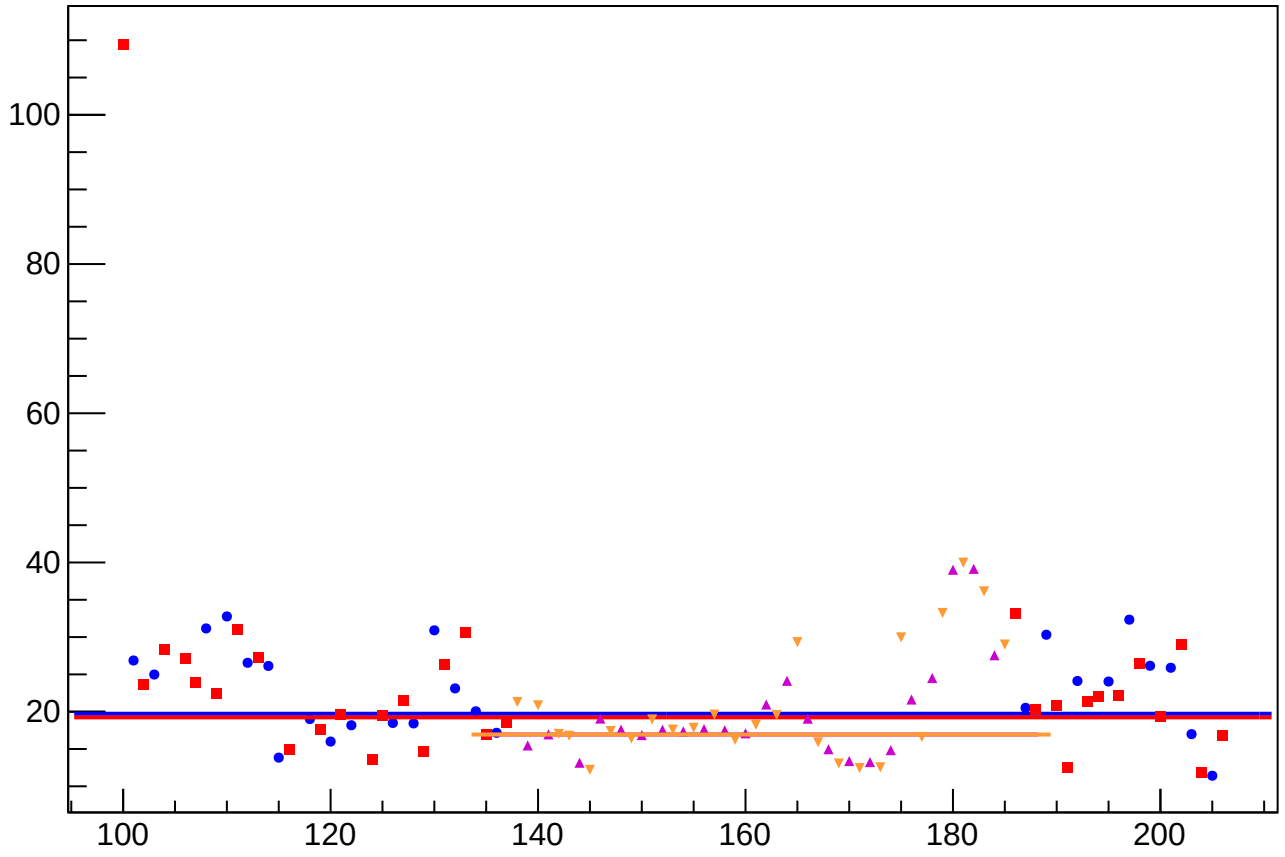
Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/30

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.6/49

All: 0.005+/-0.002 χ^2/NDF: 96.7/103

- sign 0.007+/-0.003 χ^2/NDF: 56.4/53



Right In: 19.726+/-0.004 χ^2/NDF: 2256579.8/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

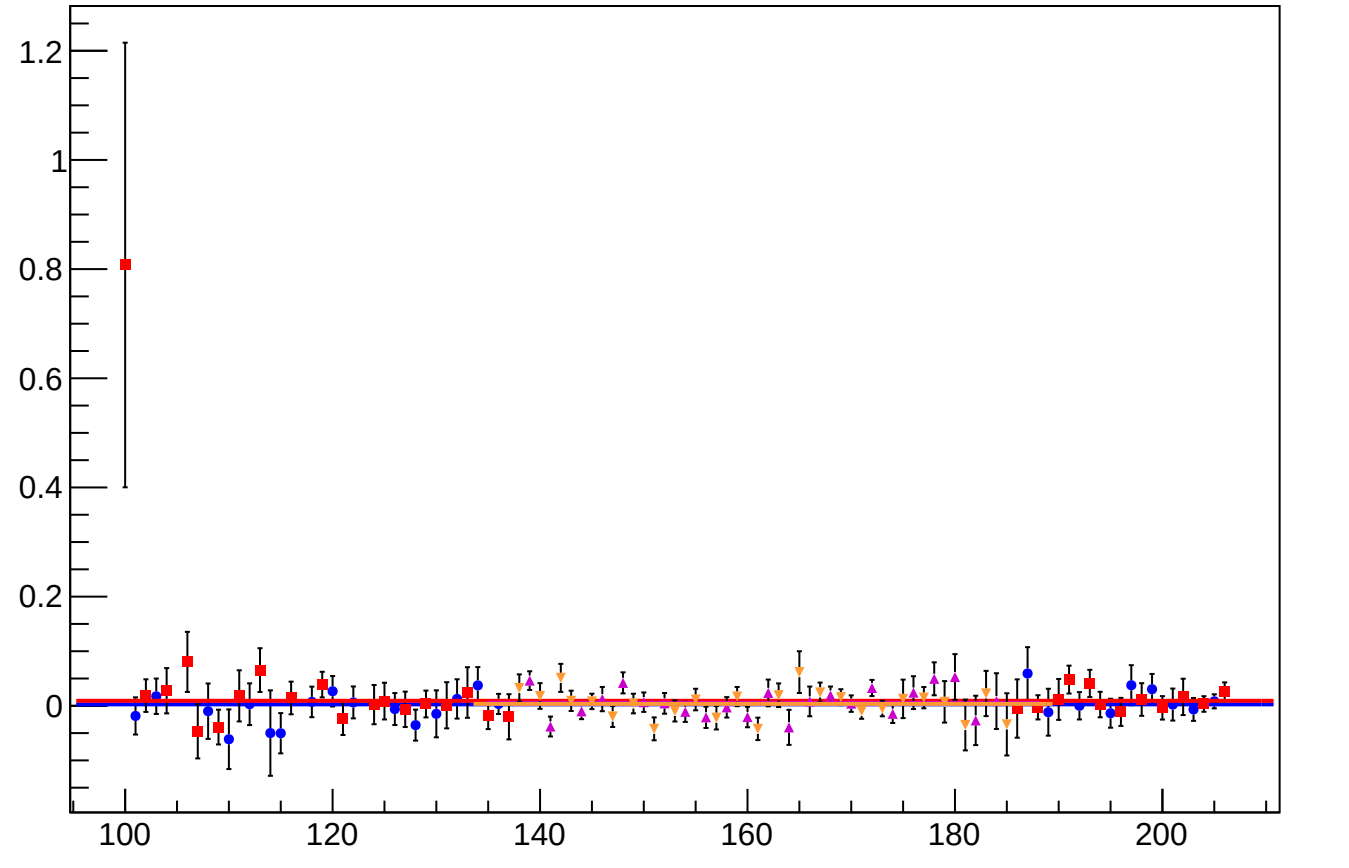
Right Out: 19.239+/-0.004 χ^2/NDF: 2114034.5/30

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.888+/-0.002 χ^2/NDF: 5409467.7/49

All: 17.876+/-0.002 χ^2/NDF: 9706358.5/103

- sign 17.865+/-0.002 χ^2/NDF: 4296841.6/53



Right In: 0.003+/-0.006 χ^2/NDF: 12.7/24

Left Out: 0.003+/-0.004 χ^2/NDF:26.9/24

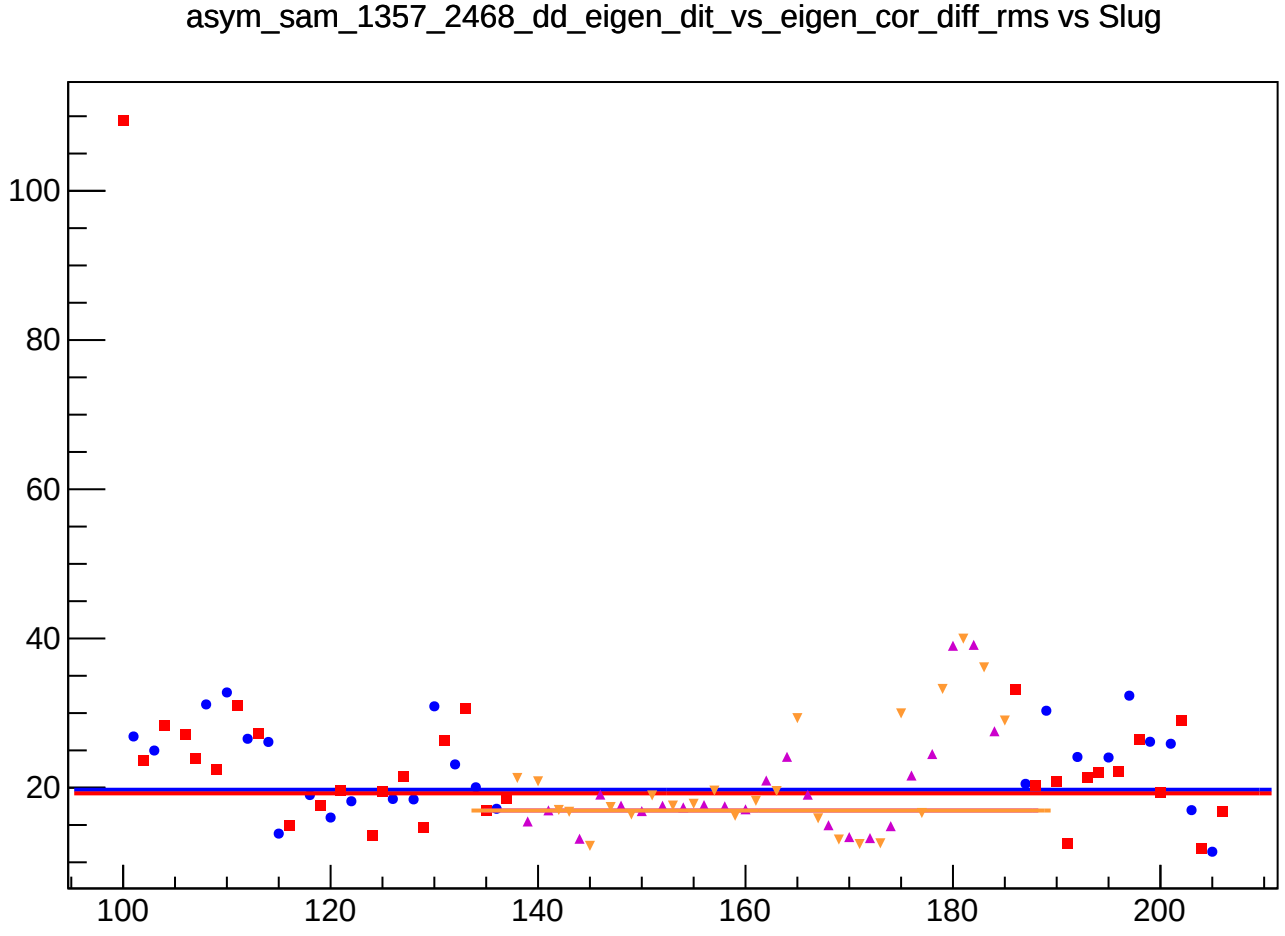
Right Out: 0.009+/-0.005 χ^2/NDF: 22.9/30

Left In: 0.005+/-0.004 χ^2/NDF:33.2/22

+ sign 0.003+/-0.003 χ^2/NDF: 39.6/49

All: 0.005+/-0.002 χ^2/NDF: 96.7/103

- sign 0.007+/-0.003 χ^2/NDF: 56.4/53



Right In: 19.726+/-0.004 χ^2/NDF: 2256579.8/24

Left Out: 16.939+/-0.003 χ^2/NDF:2836863.1/24

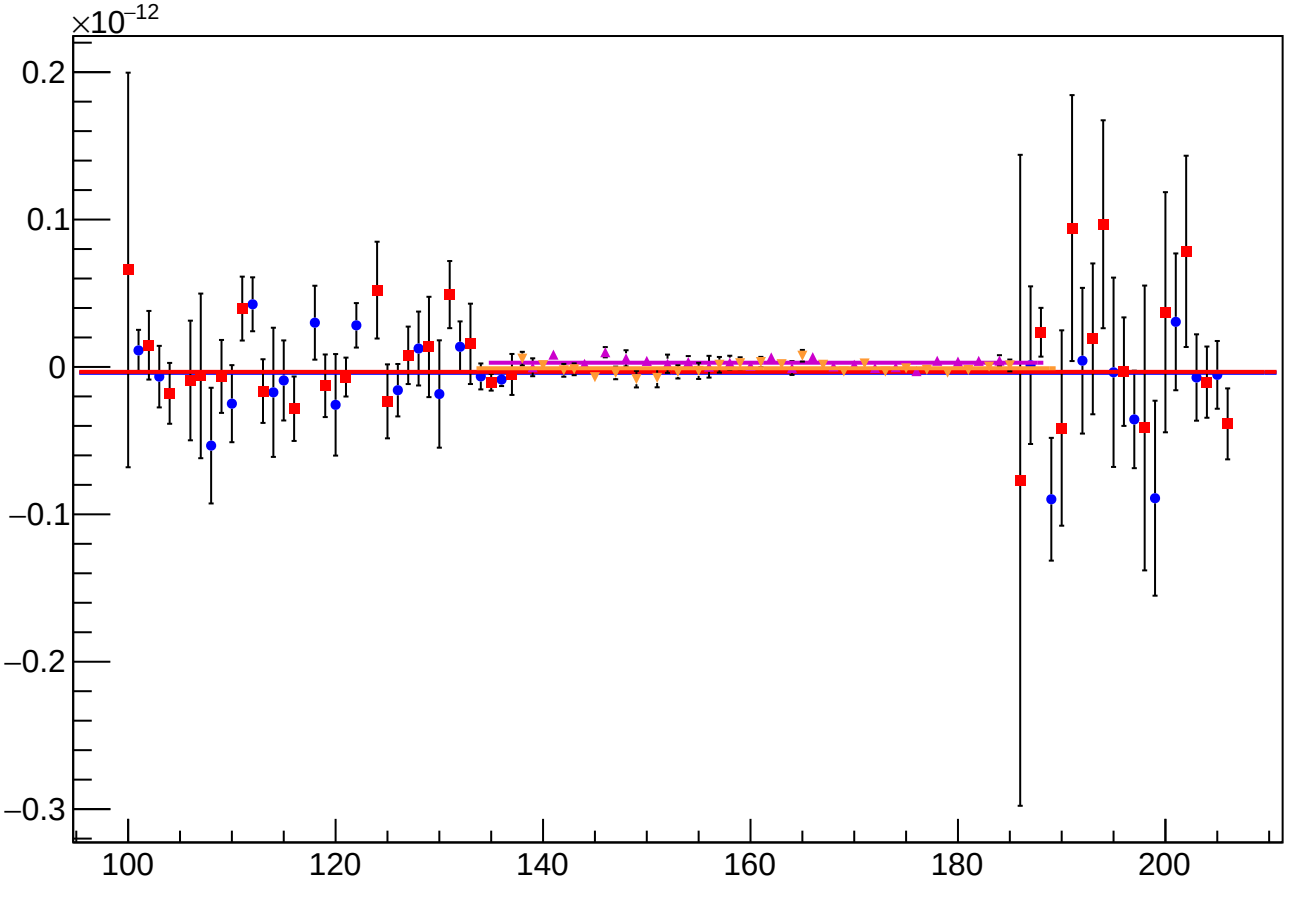
Right Out: 19.239+/-0.004 χ^2/NDF: 2114034.5/30

Left In: 16.943+/-0.003 χ^2/NDF:1941834.9/22

+ sign 17.888+/-0.002 χ^2/NDF: 5409467.7/49

All: 17.876+/-0.002 χ^2/NDF: 9706358.5/103

- sign 17.865+/-0.002 χ^2/NDF: 4296841.6/53



Right In: -0.000+/-0.000 χ^2/NDF: 27.5/24

Left Out: -0.000+/-0.000 χ^2/NDF:23.6/24

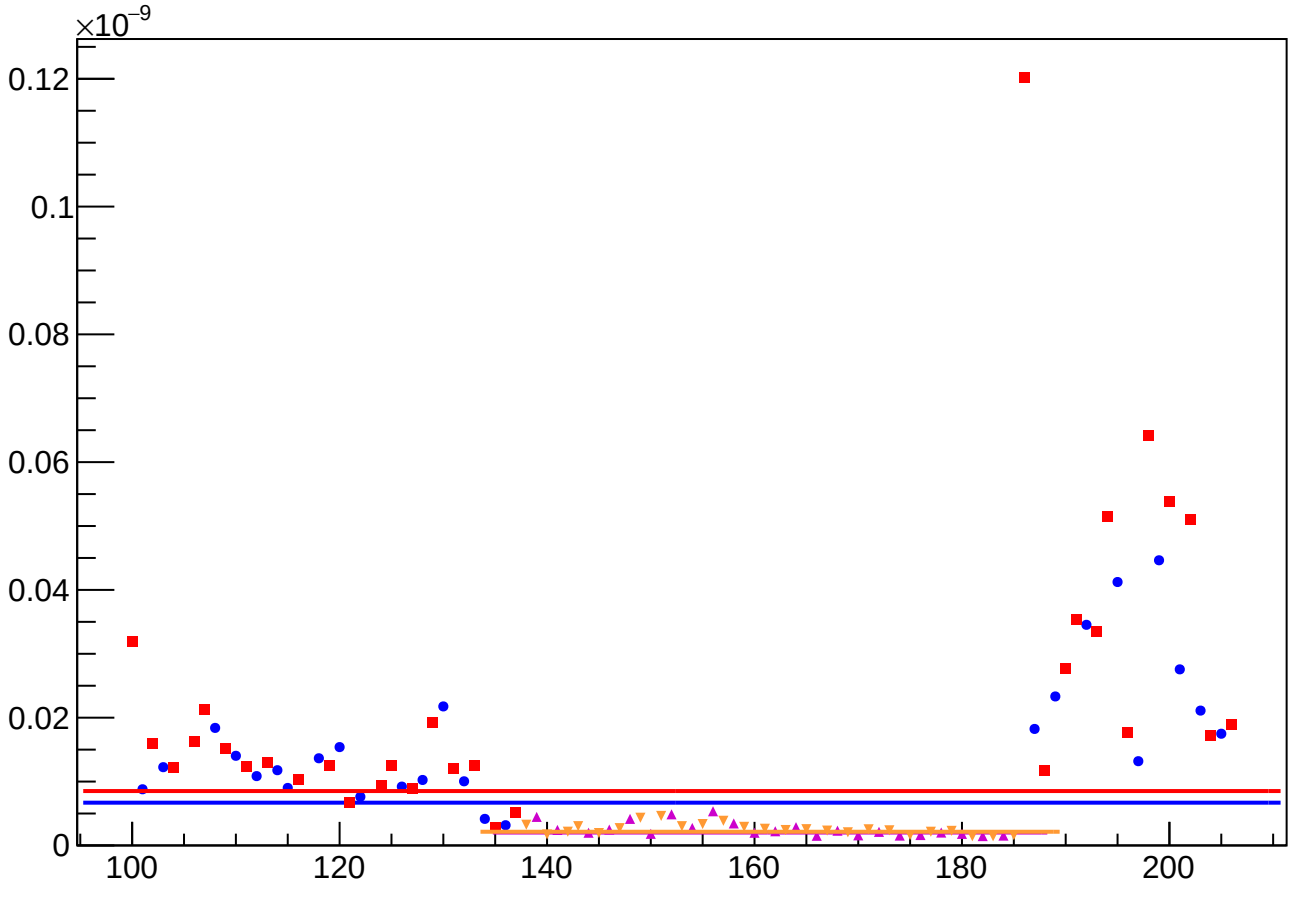
Right Out: -0.000+/-0.000 χ^2/NDF: 29.4/30

Left In: 0.000+/-0.000 χ^2/NDF:23.1/22

+ sign -0.000+/-0.000 χ^2/NDF: 52.0/49

All: 0.000+/-0.000 χ^2/NDF: 124.6/103

- sign 0.000+/-0.000 χ^2/NDF: 55.3/53



Right In: 0.000+/-0.000 χ^2/NDF: 6586253.4/24

Left Out: 0.000+/-0.000 χ^2/NDF:2184835.6/24

Right Out: 0.000+/-0.000 χ^2/NDF: 8466020.1/30

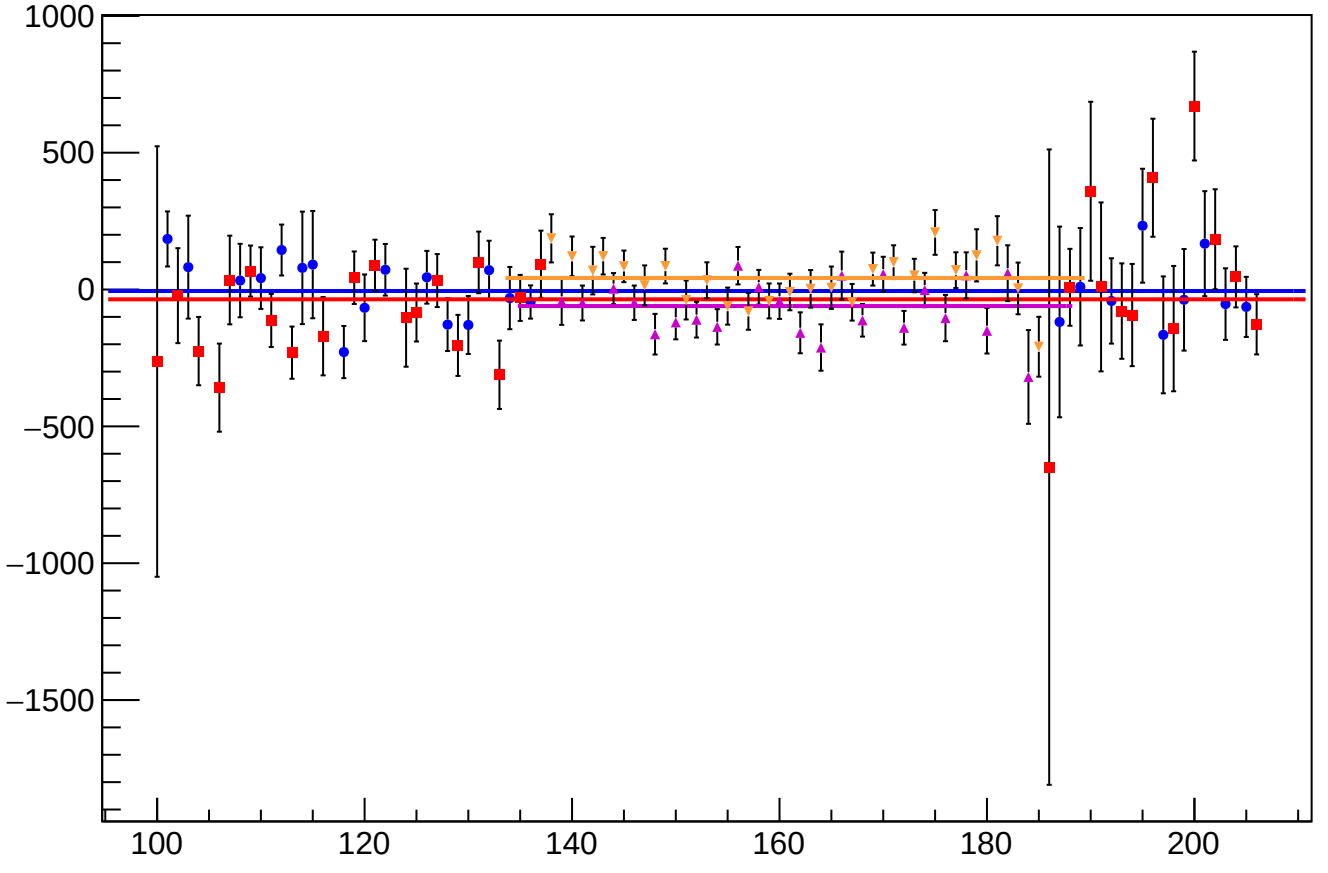
Left In: 0.000+/-0.000 χ^2/NDF:2375362.0/22

+ sign 0.000+/-0.000 χ^2/NDF: 12770105.4/49

All: 0.000+/-0.000 χ^2/NDF: 29881131.8/103

- sign 0.000+/-0.000 χ^2/NDF: 17080243.0/53

reg_asym_sam_12345678_avg_mean vs Slug



Right In: -5.462+/-23.775 χ^2/NDF: 21.0/24

Left Out: 42.012+/-14.181 χ^2/NDF:32.0/24

Right Out: -35.763+/-23.386 χ^2/NDF: 48.3/30

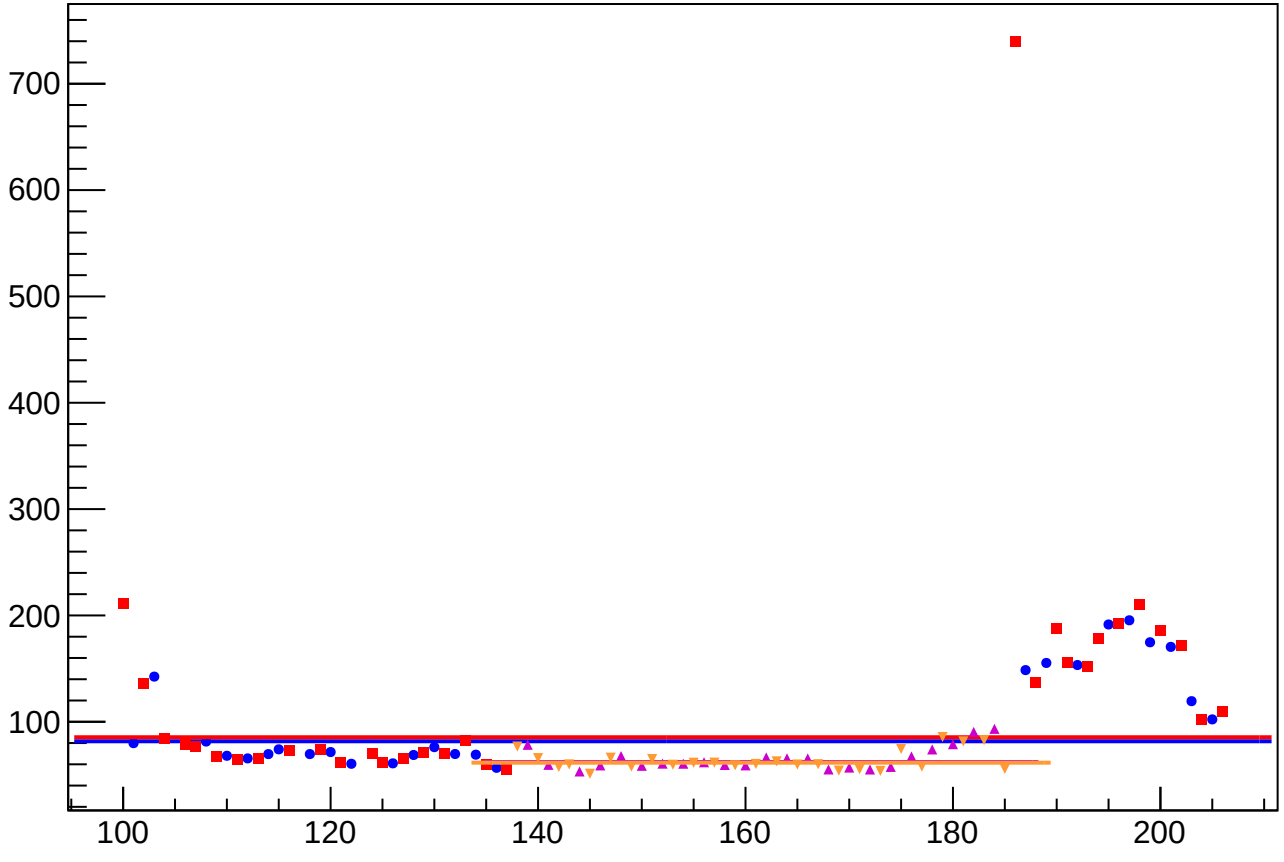
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 29.554+/-12.179 χ^2/NDF: 56.0/49

All: -10.996+/-8.707 χ^2/NDF: 159.9/103

- sign -53.396+/-12.454 χ^2/NDF: 81.3/53

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 81.663+/-0.017 χ^2/NDF: 4001248.8/24

Left Out: 61.544+/-0.010 χ^2/NDF:637834.8/24

Right Out: 85.452+/-0.017 χ^2/NDF: 5402636.1/30

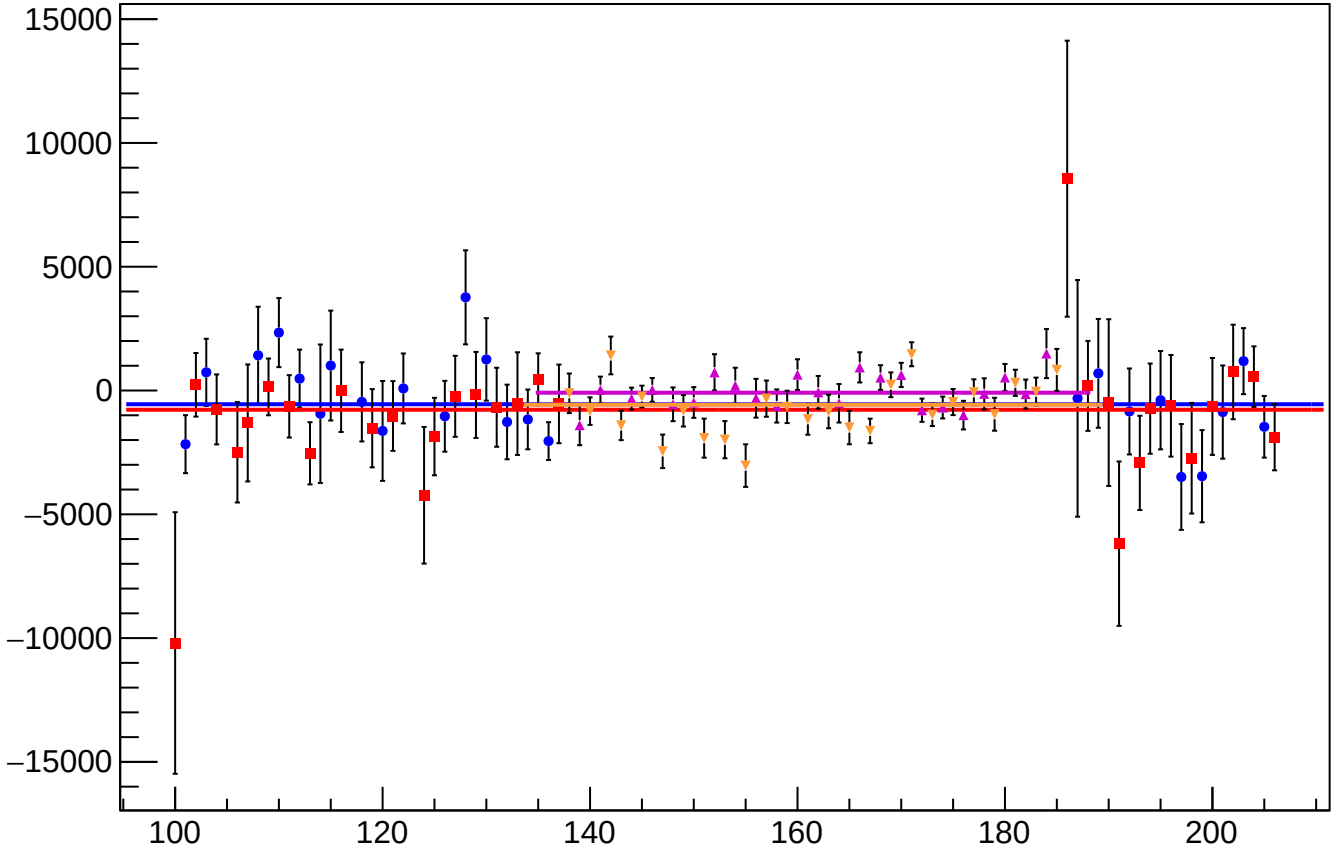
Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 66.824+/-0.009 χ^2/NDF: 5695421.6/49

All: 67.767+/-0.006 χ^2/NDF: 13142522.9/103

- sign 68.754+/-0.009 χ^2/NDF: 7422536.9/53

asym_sam_12345678_avg_reg_correction_mean vs Slug



Right In: -554.746+/-300.844 χ^2/NDF: 27.6/24

Left Out: -574.818+/-119.736 χ^2/NDF:68.8/24

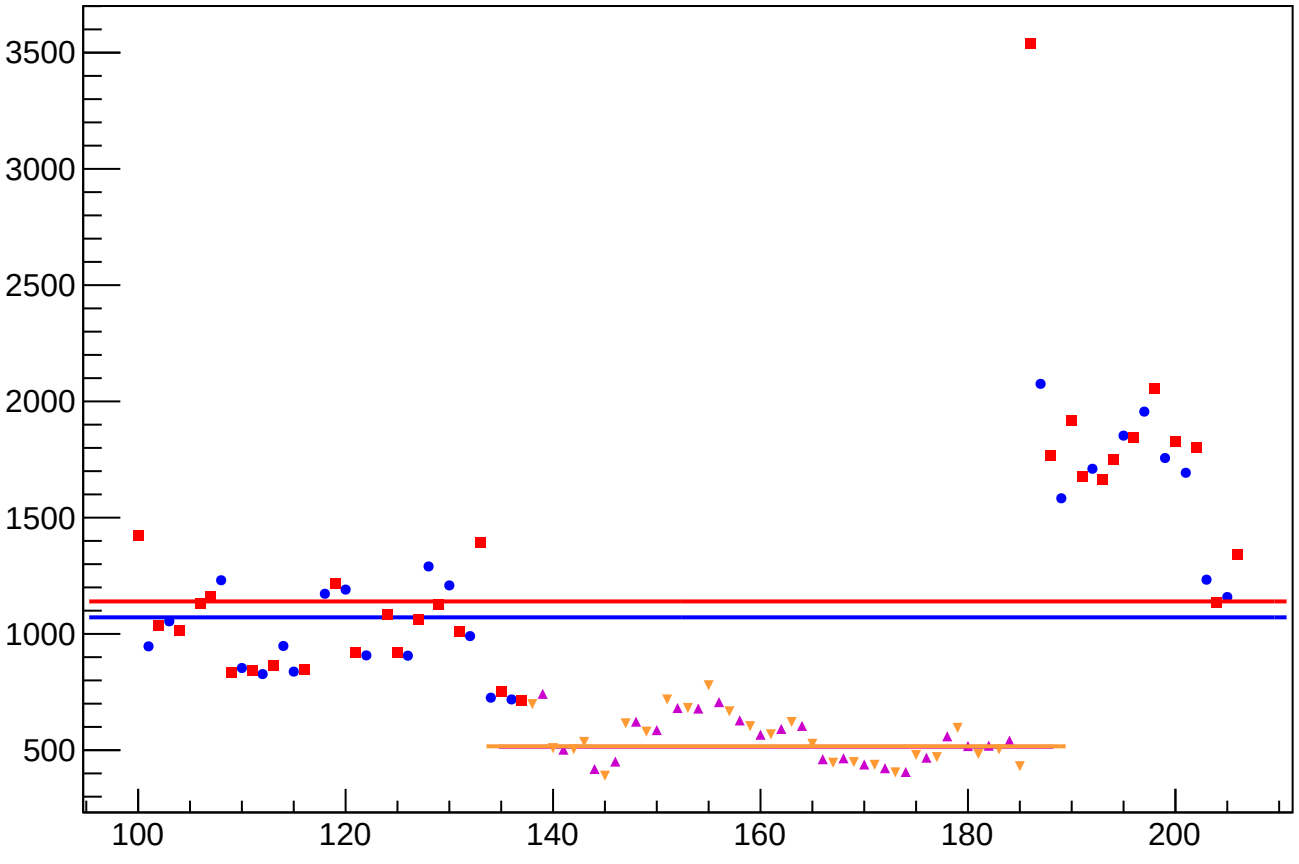
Right Out: -776.389+/-297.273 χ^2/NDF: 21.6/30

Left In: -88.334+/-122.492 χ^2/NDF:24.6/22

+ sign -572.073+/-111.249 χ^2/NDF: 96.4/49

All: -383.566+/-79.364 χ^2/NDF: 153.1/103

- sign -188.201+/-113.254 χ^2/NDF: 50.8/53



Right In: 1071.255+/-0.213 χ^2/NDF: 2552608.7/24

Left Out: 516.635+/-0.085 χ^2/NDF:1265161.0/24

Right Out: 1139.713+/-0.210 χ^2/NDF: 3256042.4/30

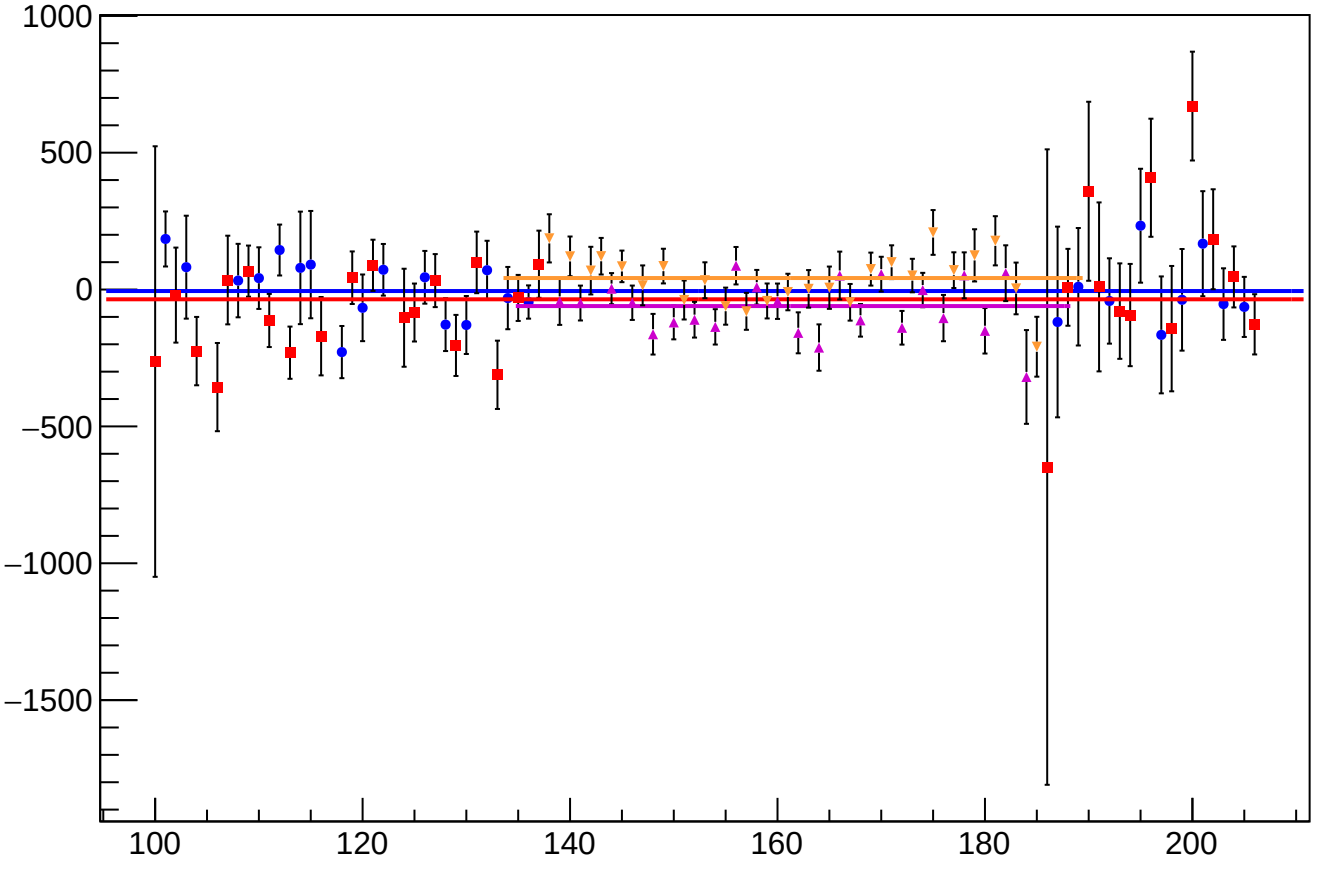
Left In: 514.781+/-0.087 χ^2/NDF:1120436.1/22

+ sign 592.476+/-0.079 χ^2/NDF: 9685606.7/49

All: 598.865+/-0.056 χ^2/NDF: 21631263.2/10

- sign 605.486+/-0.080 χ^2/NDF: 11932224.6/53

cor_asym_sam_12345678_avg_mean vs Slug



Right In: -5.470+/-23.775 χ^2/NDF: 21.0/24

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -35.667+/-23.387 χ^2/NDF: 48.2/30

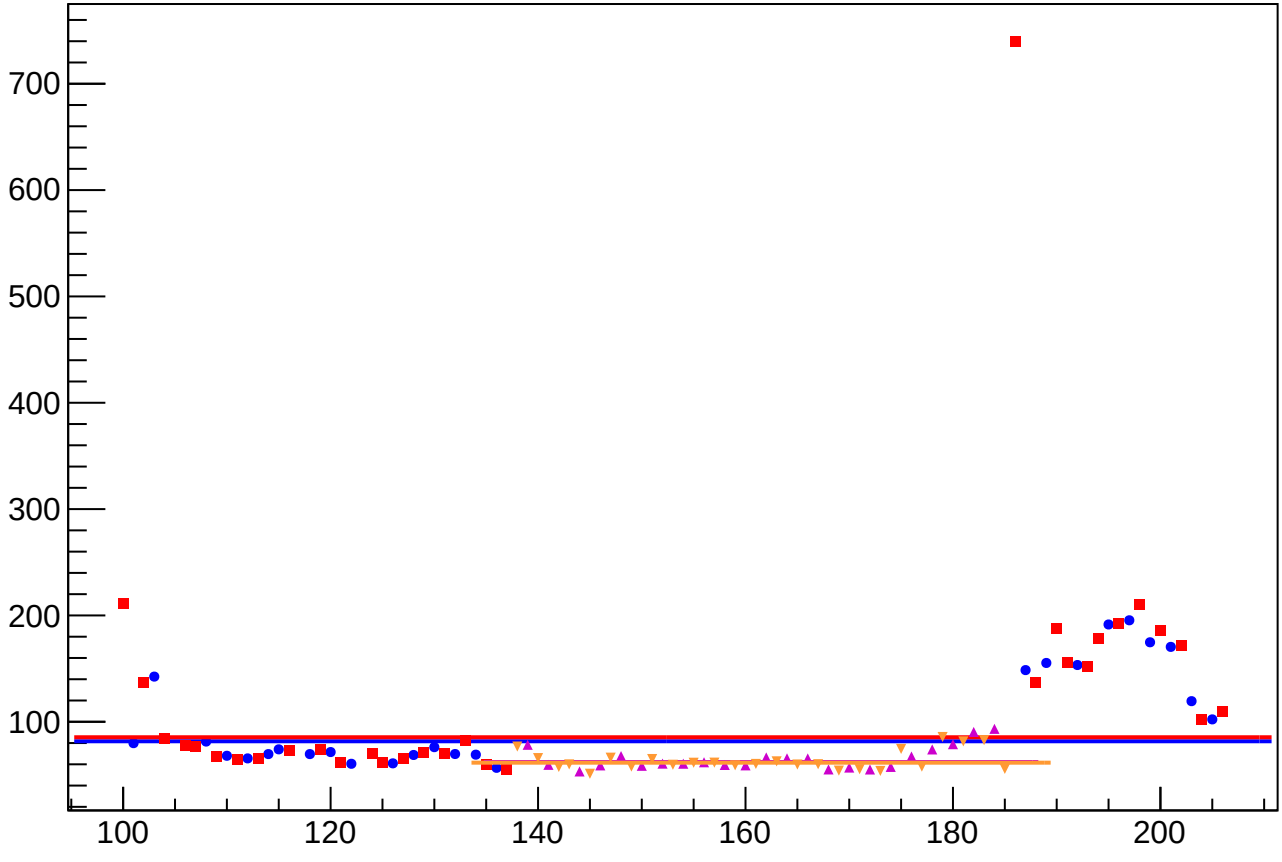
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 29.556+/-12.179 χ^2/NDF: 56.0/49

All: -10.981+/-8.707 χ^2/NDF: 159.8/103

- sign -53.369+/-12.454 χ^2/NDF: 81.2/53

cor_asym_sam_12345678_avg_rms vs Slug



Right In: 81.663+/-0.017 χ^2/NDF: 4001251.9/24

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

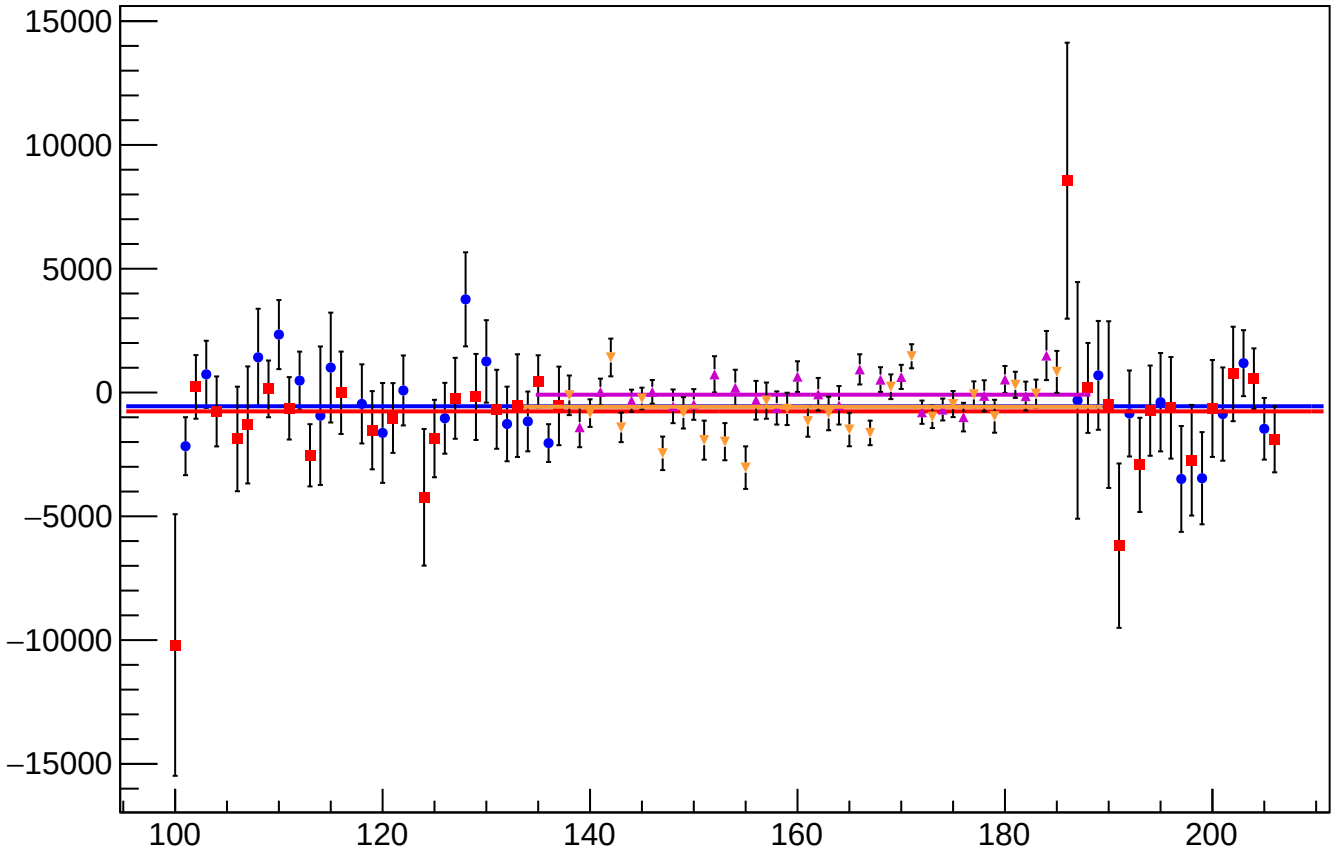
Right Out: 85.438+/-0.017 χ^2/NDF: 5403715.1/30

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 66.824+/-0.009 χ^2/NDF: 5695424.7/49

All: 67.765+/-0.006 χ^2/NDF: 13141706.3/103

- sign 68.750+/-0.009 χ^2/NDF: 7421826.9/53



Right In: -554.724+/-300.845 χ^2/NDF: 27.6/24

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

Right Out: -761.569+/-297.533 χ^2/NDF: 21.2/30

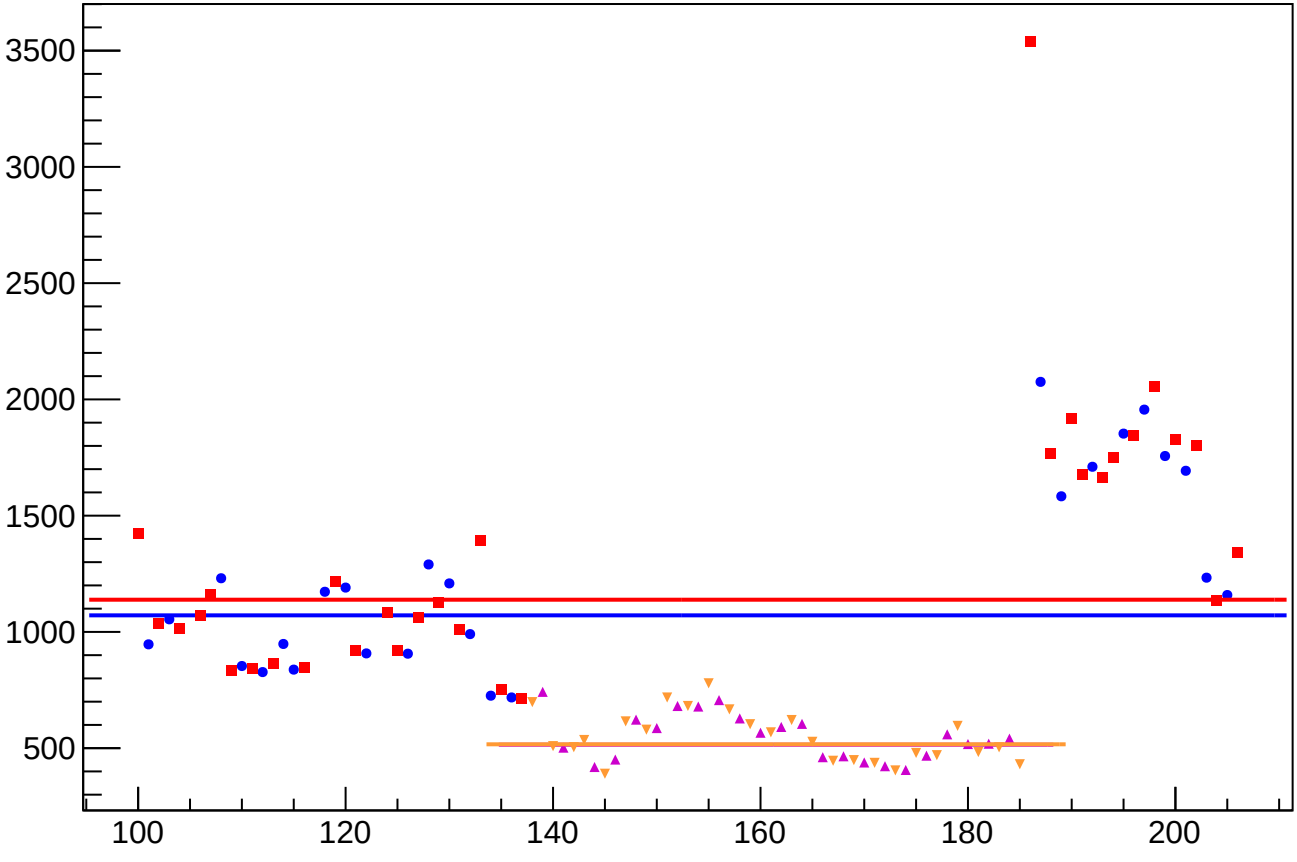
Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -572.064+/-111.249 χ^2/NDF: 96.4/49

All: -382.458+/-79.369 χ^2/NDF: 152.5/103

- sign -185.904+/-113.269 χ^2/NDF: 50.2/53

asym_sam_12345678_avg_cor_correction_rms vs Slug



Right In: 1071.259+/-0.213 χ^2/NDF: 2552609.9/24

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1138.530+/-0.210 χ^2/NDF: 3257987.8/30

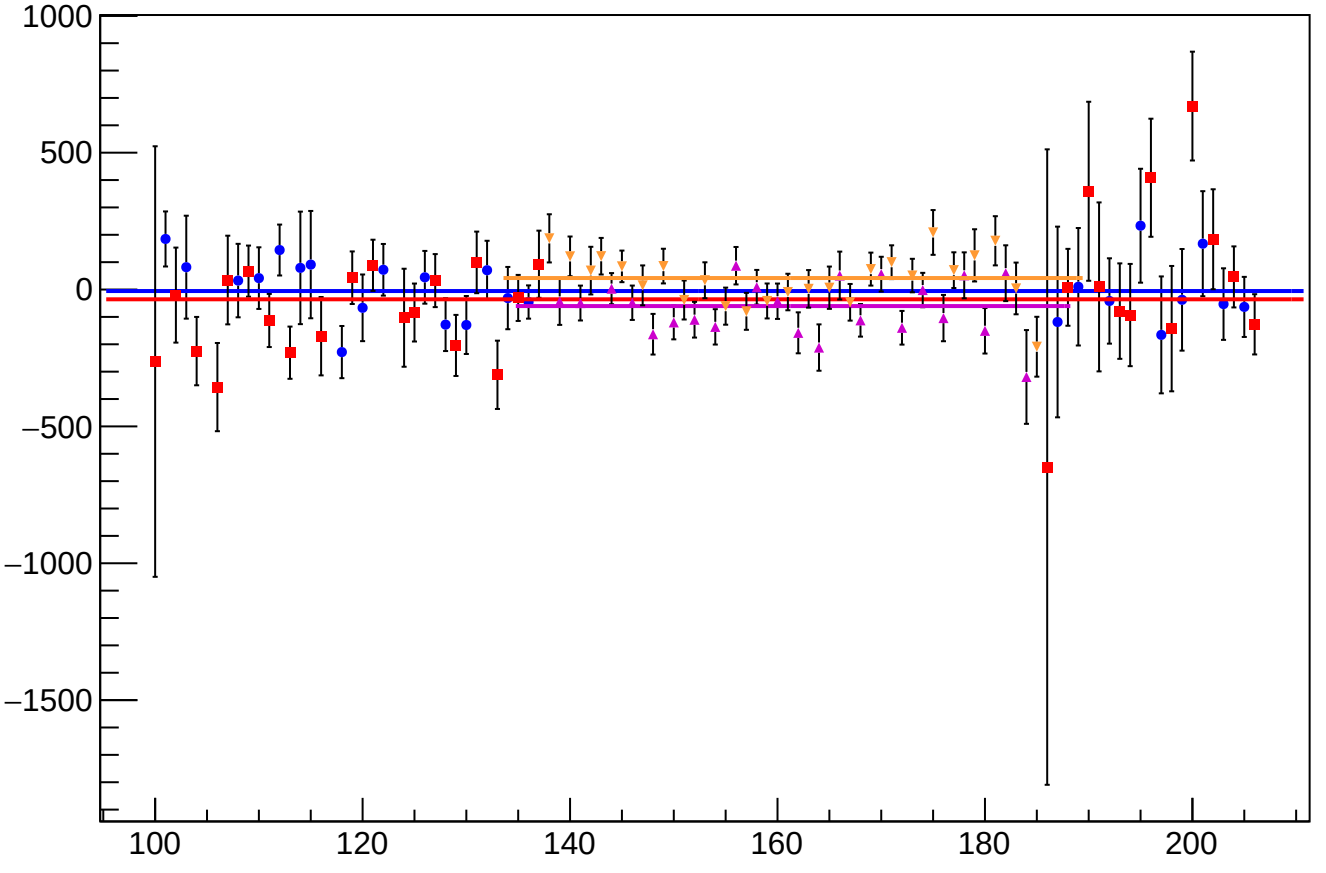
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 592.476+/-0.079 χ^2/NDF: 9685659.7/49

All: 598.714+/-0.056 χ^2/NDF: 21592805.5/10

- sign 605.179+/-0.080 χ^2/NDF: 11894341.4/53

eigen_cor_asym_sam_12345678_avg_mean vs Slug



Right In: -5.470+/-23.775 χ^2/NDF: 21.0/24

Left Out: 42.017+/-14.181 χ^2/NDF:32.0/24

Right Out: -35.667+/-23.387 χ^2/NDF: 48.2/30

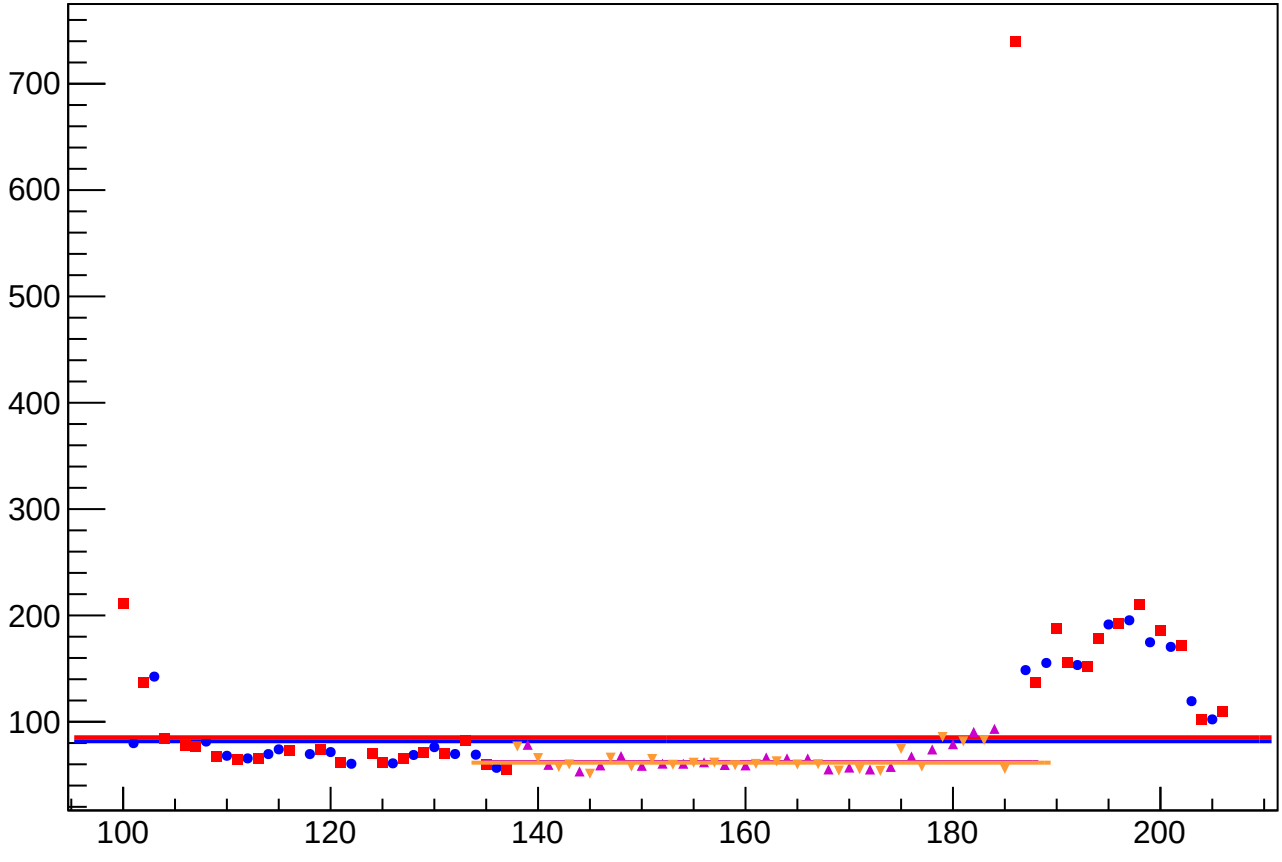
Left In: -60.376+/-14.714 χ^2/NDF:32.2/22

+ sign 29.556+/-12.179 χ^2/NDF: 56.0/49

All: -10.981+/-8.707 χ^2/NDF: 159.8/103

- sign -53.369+/-12.454 χ^2/NDF: 81.2/53

eigen_cor_asym_sam_12345678_avg_rms vs Slug



Right In: 81.663+/-0.017 χ^2/NDF: 4001251.9/24

Left Out: 61.544+/-0.010 χ^2/NDF:637834.9/24

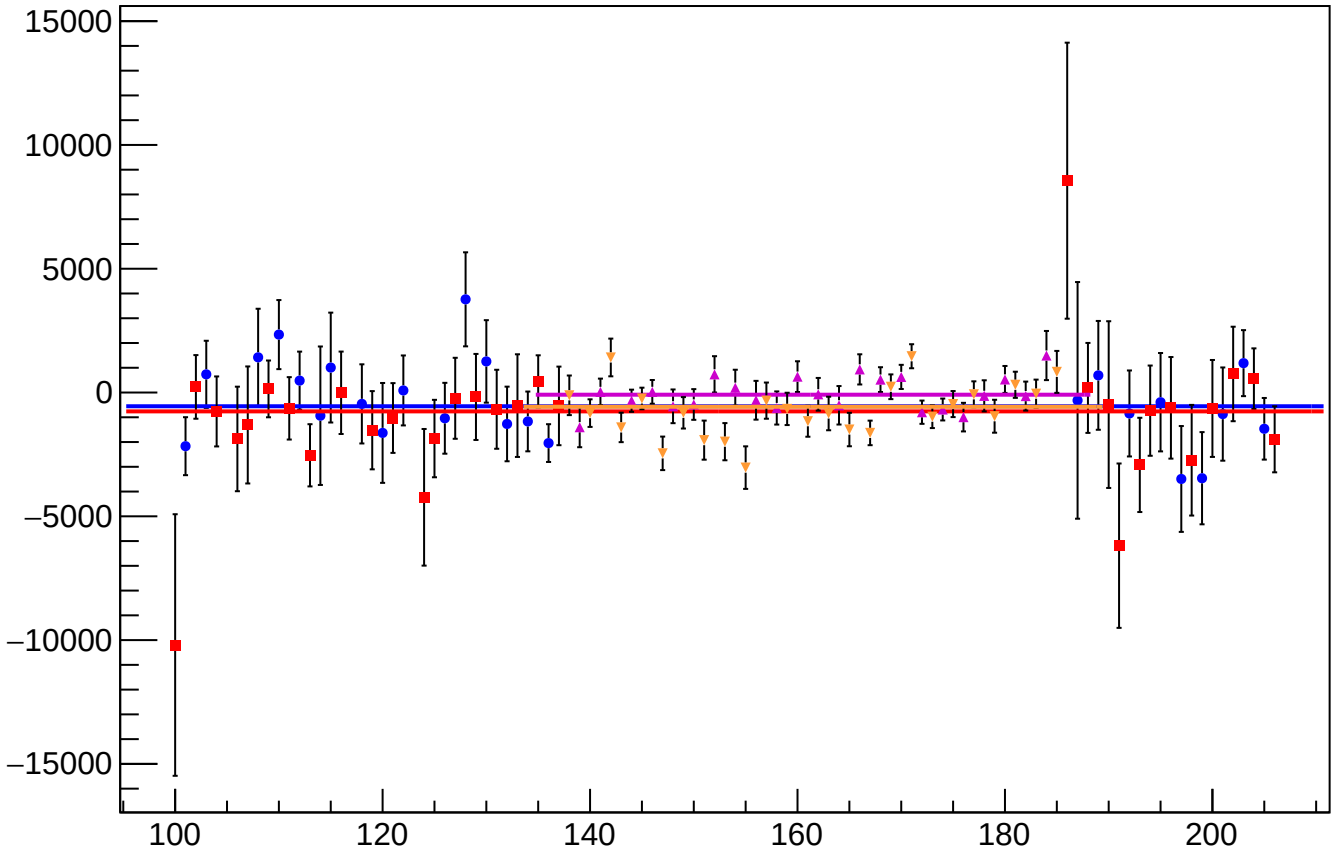
Right Out: 85.438+/-0.017 χ^2/NDF: 5403715.1/30

Left In: 62.144+/-0.010 χ^2/NDF:596754.9/22

+ sign 66.824+/-0.009 χ^2/NDF: 5695424.7/49

All: 67.765+/-0.006 χ^2/NDF: 13141706.3/103

- sign 68.750+/-0.009 χ^2/NDF: 7421826.9/53



Right In: -554.724+/-300.845 χ^2/NDF: 27.6/24

Left Out: -574.811+/-119.736 χ^2/NDF:68.8/24

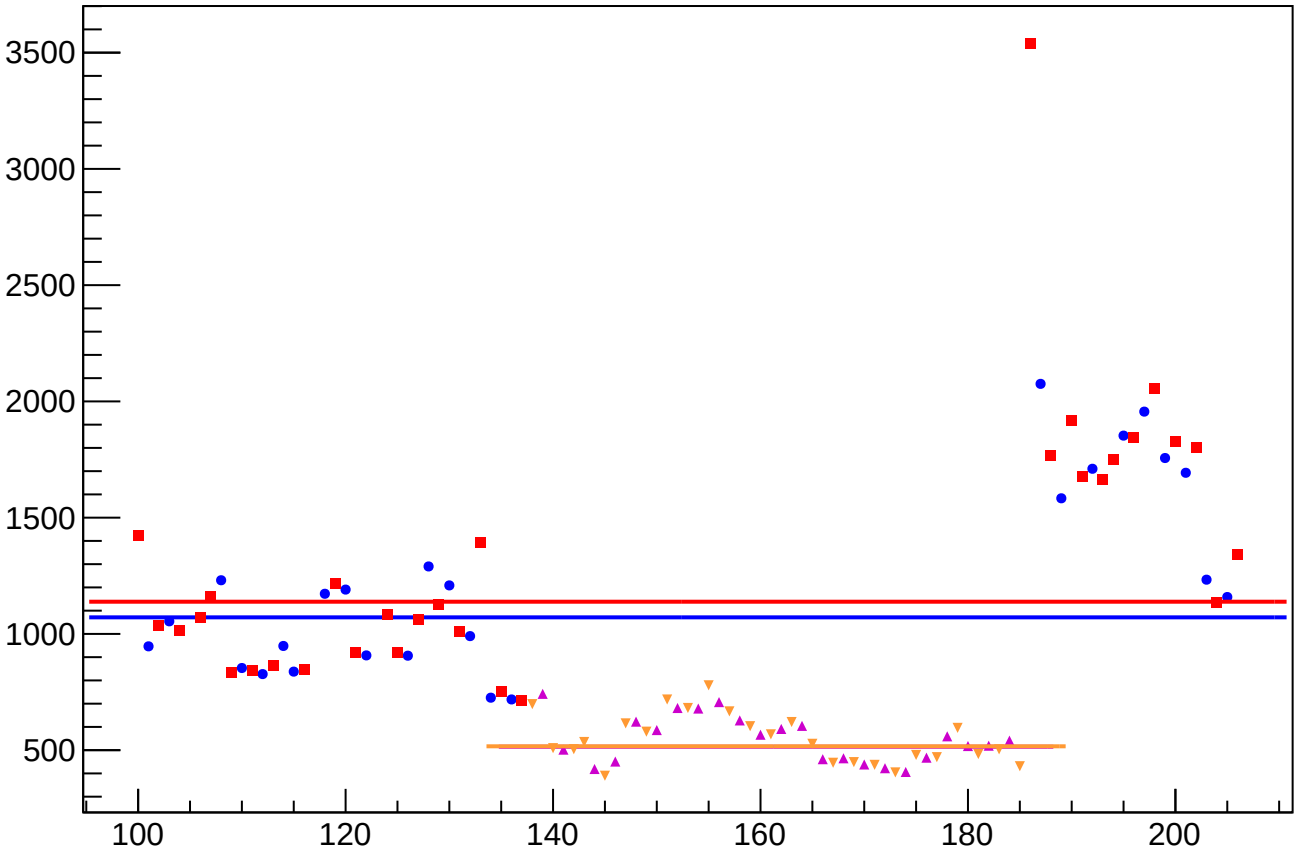
Right Out: -761.569+/-297.533 χ^2/NDF: 21.2/30

Left In: -88.333+/-122.492 χ^2/NDF:24.6/22

+ sign -572.064+/-111.249 χ^2/NDF: 96.4/49

All: -382.458+/-79.369 χ^2/NDF: 152.5/103

- sign -185.904+/-113.269 χ^2/NDF: 50.2/53



Right In: 1071.259+/-0.213 χ^2/NDF: 2552609.9/24

Left Out: 516.635+/-0.085 χ^2/NDF:1265163.0/24

Right Out: 1138.530+/-0.210 χ^2/NDF: 3257987.8/30

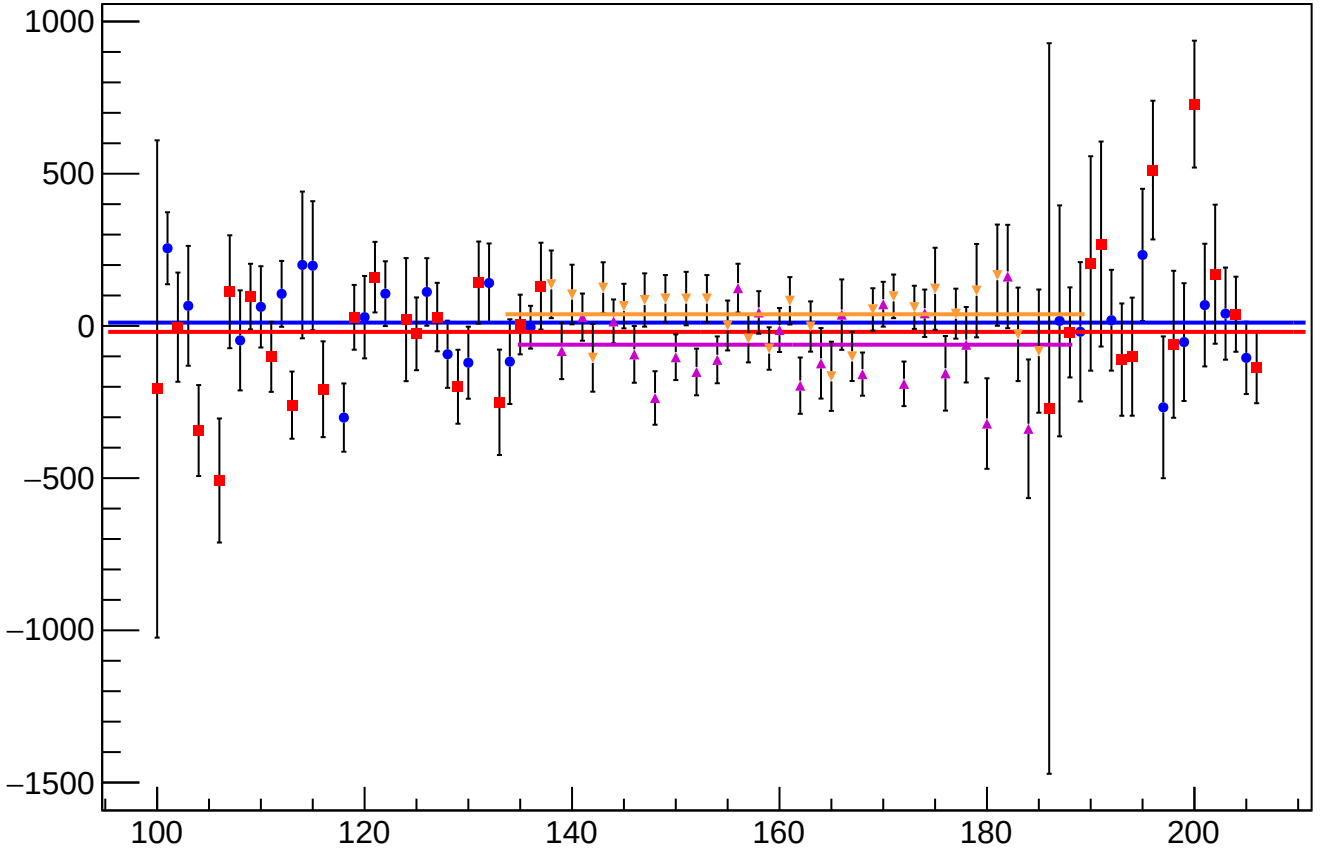
Left In: 514.781+/-0.087 χ^2/NDF:1120434.8/22

+ sign 592.476+/-0.079 χ^2/NDF: 9685659.7/49

All: 598.714+/-0.056 χ^2/NDF: 21592805.5/10

- sign 605.179+/-0.080 χ^2/NDF: 11894341.4/53

dit_asym_sam_12345678_avg_mean vs Slug



Right In: 10.912+/-27.177 χ^2/NDF: 23.9/24

Left Out: 38.281+/-17.669 χ^2/NDF:18.8/24

Right Out: -19.570+/-26.759 χ^2/NDF: 50.2/30

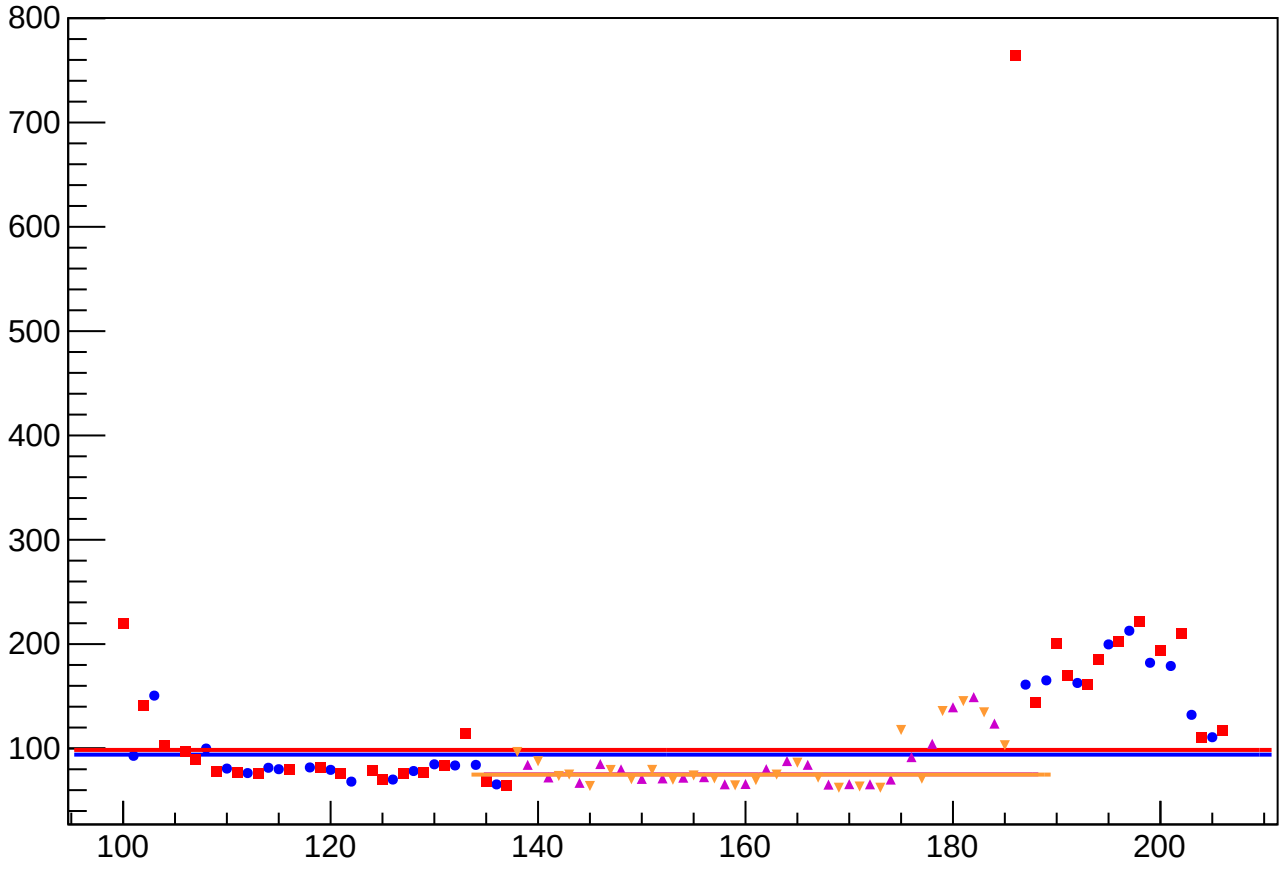
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 30.150+/-14.814 χ^2/NDF: 43.4/49

All: -8.519+/-10.556 χ^2/NDF: 145.8/103

- sign -48.399+/-15.044 χ^2/NDF: 88.6/53

dit_asym_sam_12345678_avg_rms vs Slug



Right In: 94.045+/-0.019 χ^2/NDF: 3449571.9/24

Left Out: 74.903+/-0.012 χ^2/NDF:1661552.1/24

Right Out: 98.554+/-0.019 χ^2/NDF: 4762550.3/30

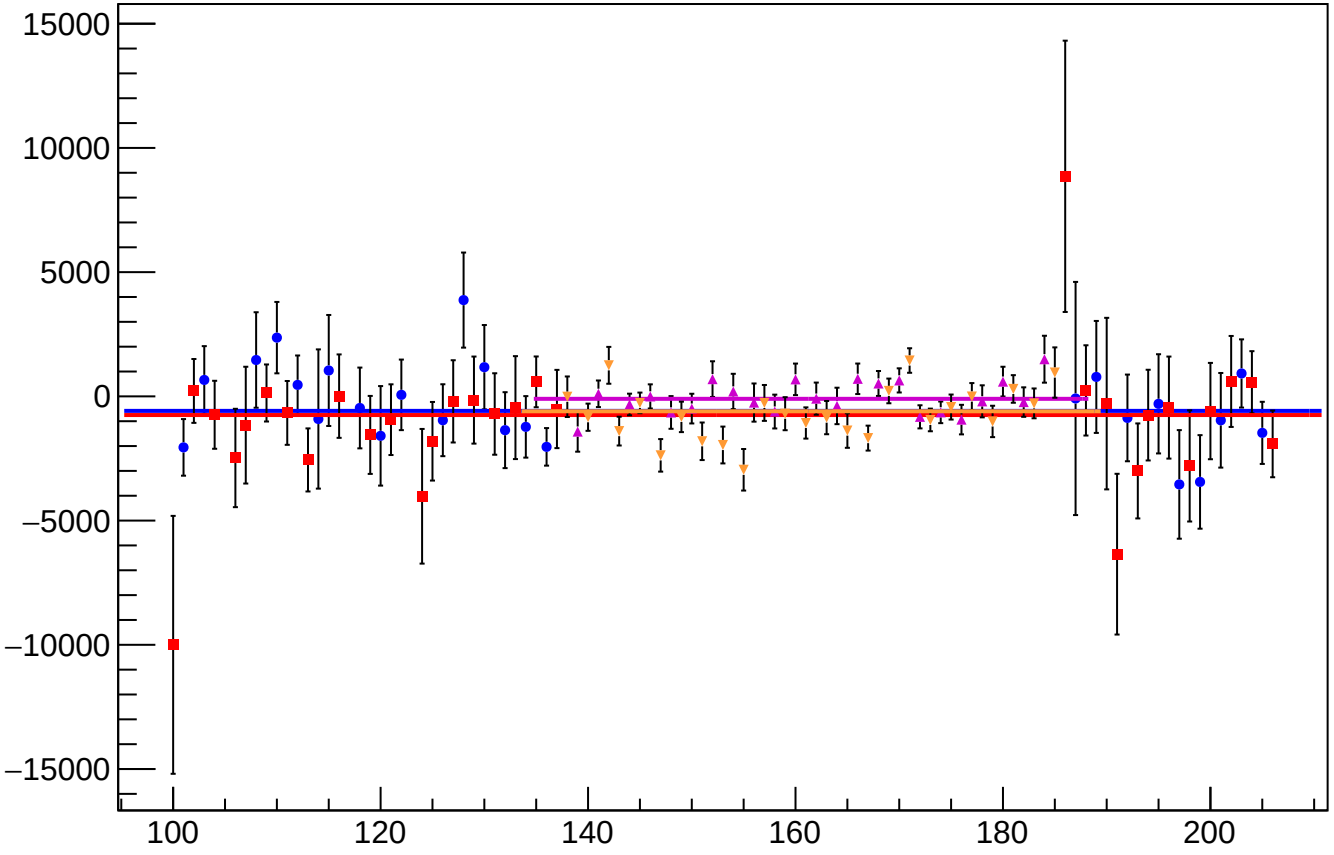
Left In: 75.156+/-0.013 χ^2/NDF:1312543.0/22

+ sign 80.590+/-0.010 χ^2/NDF: 5808565.1/49

All: 81.556+/-0.007 χ^2/NDF: 12946778.9/103

- sign 82.552+/-0.011 χ^2/NDF: 7120956.5/53

asym_sam_12345678_avg_dit_correction_mean vs Slug



Right In: -584.123+/-302.631 χ^2/NDF: 26.7/24

Left Out: -598.826+/-119.324 χ^2/NDF:65.0/24

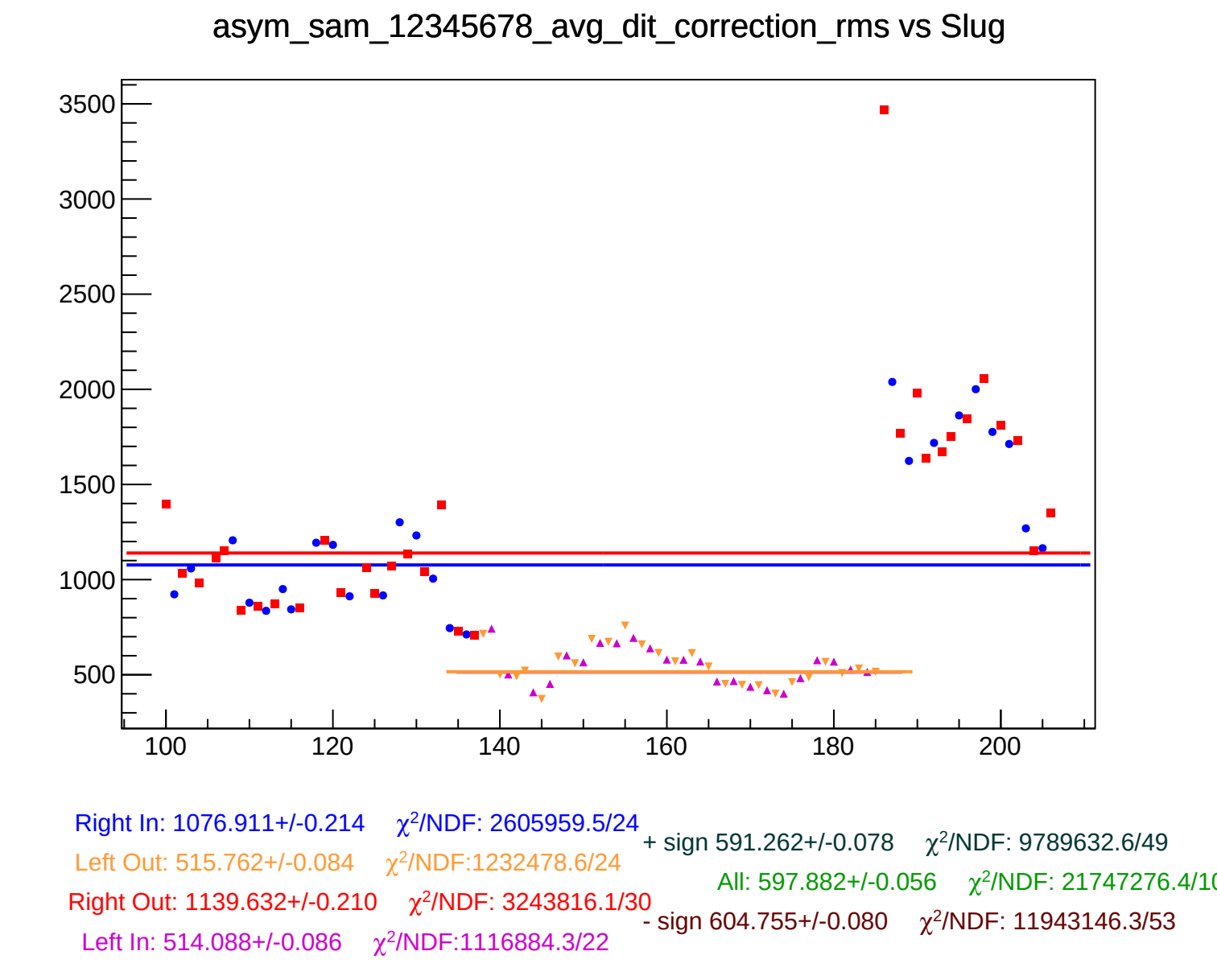
Right Out: -751.522+/-297.076 χ^2/NDF: 22.6/30

Left In: -99.102+/-122.310 χ^2/NDF:23.7/22

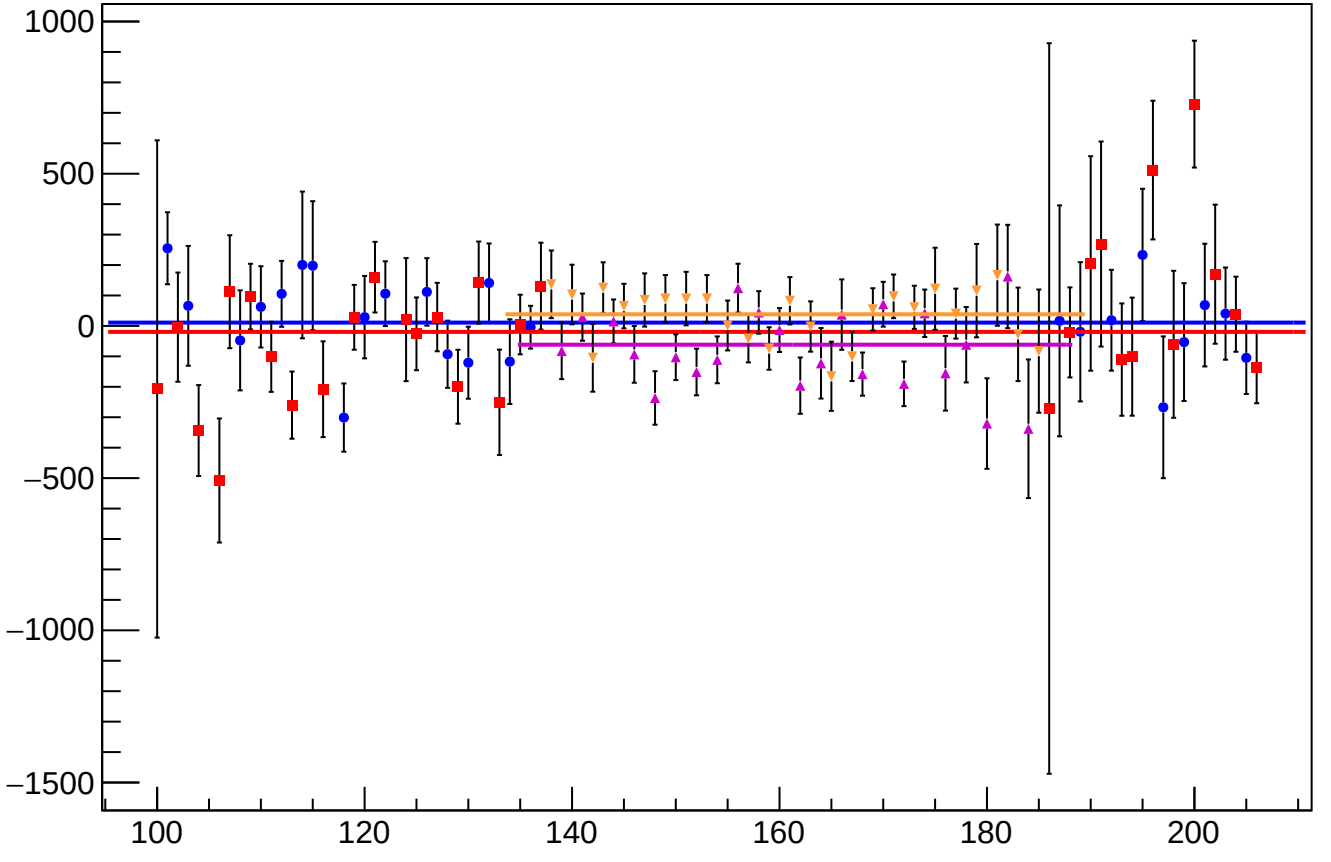
+ sign -596.848+/-111.007 χ^2/NDF: 91.8/49

All: -399.022+/-79.223 χ^2/NDF: 148.7/103

- sign -193.664+/-113.100 χ^2/NDF: 50.4/53


asym_sam_12345678_avg_dit_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1076.911+/-0.214 χ²/NDF: 2605959.5/24
Left Out: 515.762+/-0.084 χ²/NDF:1232478.6/24
Right Out: 1139.632+/-0.210 χ²/NDF: 3243816.1/30
Left In: 514.088+/-0.086 χ²/NDF:1116884.3/22
+ sign 591.262+/-0.078 χ²/NDF: 9789632.6/49
All: 597.882+/-0.056 χ²/NDF: 21747276.4/10
- sign 604.755+/-0.080 χ²/NDF: 11943146.3/53

eigen_dit_asym_sam_12345678_avg_mean vs Slug



Right In: 10.912+/-27.177 χ^2/NDF: 23.9/24

Left Out: 38.282+/-17.670 χ^2/NDF:18.8/24

Right Out: -19.568+/-26.759 χ^2/NDF: 50.2/30

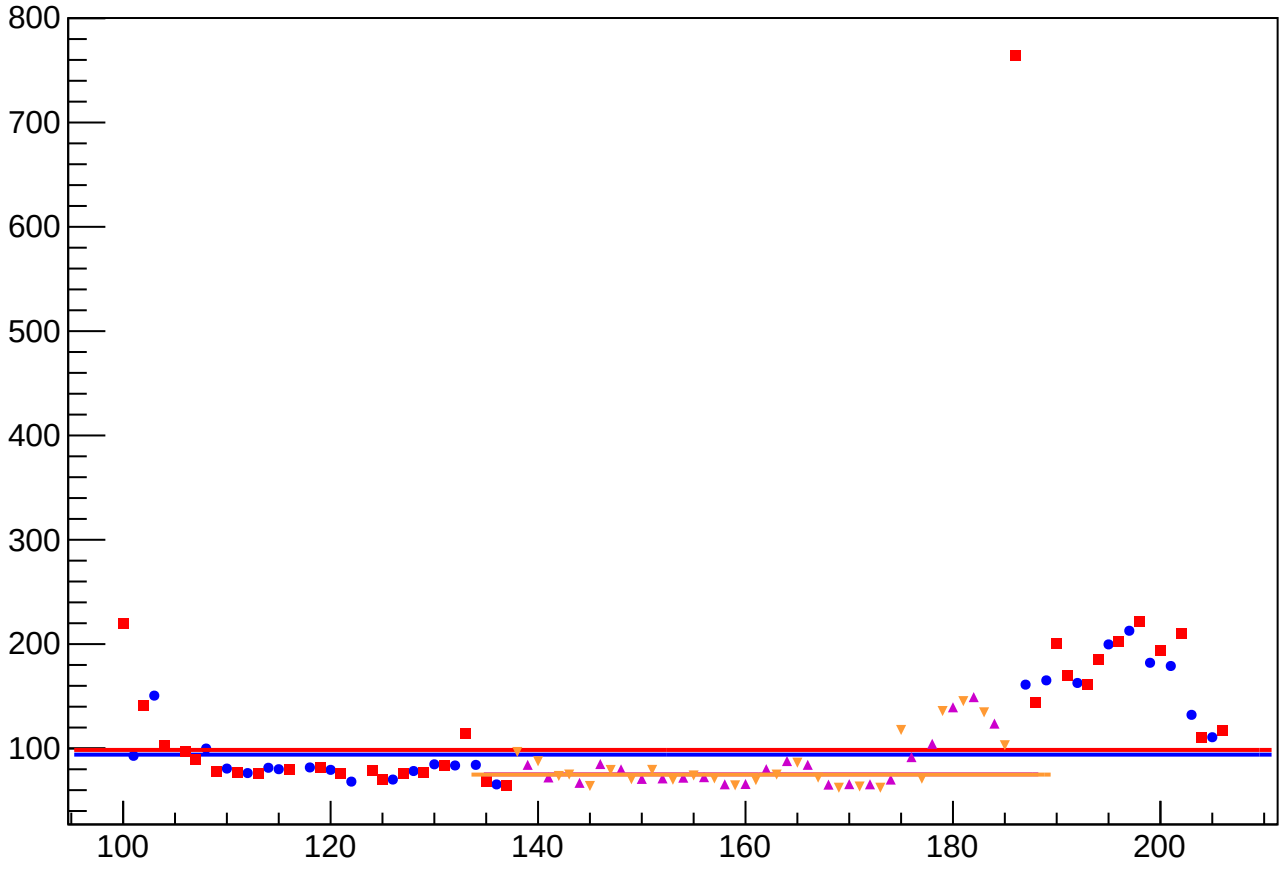
Left In: -61.723+/-18.192 χ^2/NDF:36.7/22

+ sign 30.150+/-14.814 χ^2/NDF: 43.4/49

All: -8.518+/-10.556 χ^2/NDF: 145.8/103

- sign -48.399+/-15.044 χ^2/NDF: 88.6/53

eigen_dit_asym_sam_12345678_avg_rms vs Slug



Right In: 94.045+/-0.019 χ^2/NDF: 3449581.8/24

Left Out: 74.903+/-0.012 χ^2/NDF:1661550.3/24

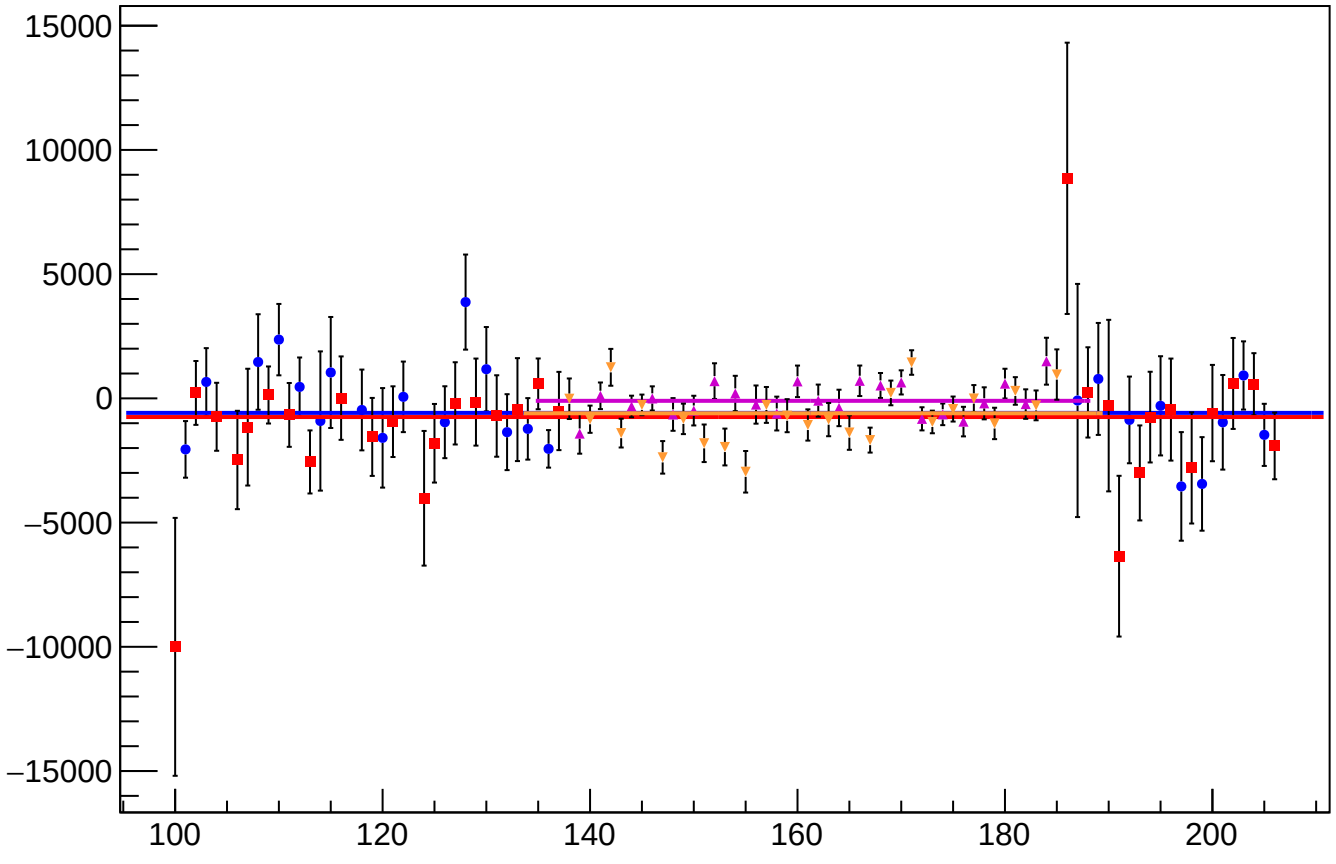
Right Out: 98.554+/-0.019 χ^2/NDF: 4762579.6/30

Left In: 75.156+/-0.013 χ^2/NDF:1312527.7/22

+ sign 80.590+/-0.010 χ^2/NDF: 5808539.3/49

All: 81.556+/-0.007 χ^2/NDF: 12946727.7/103

- sign 82.552+/-0.011 χ^2/NDF: 7120930.6/53



Right In: -584.120+/-302.631 χ^2/NDF: 26.7/24

Left Out: -598.825+/-119.324 χ^2/NDF:65.0/24

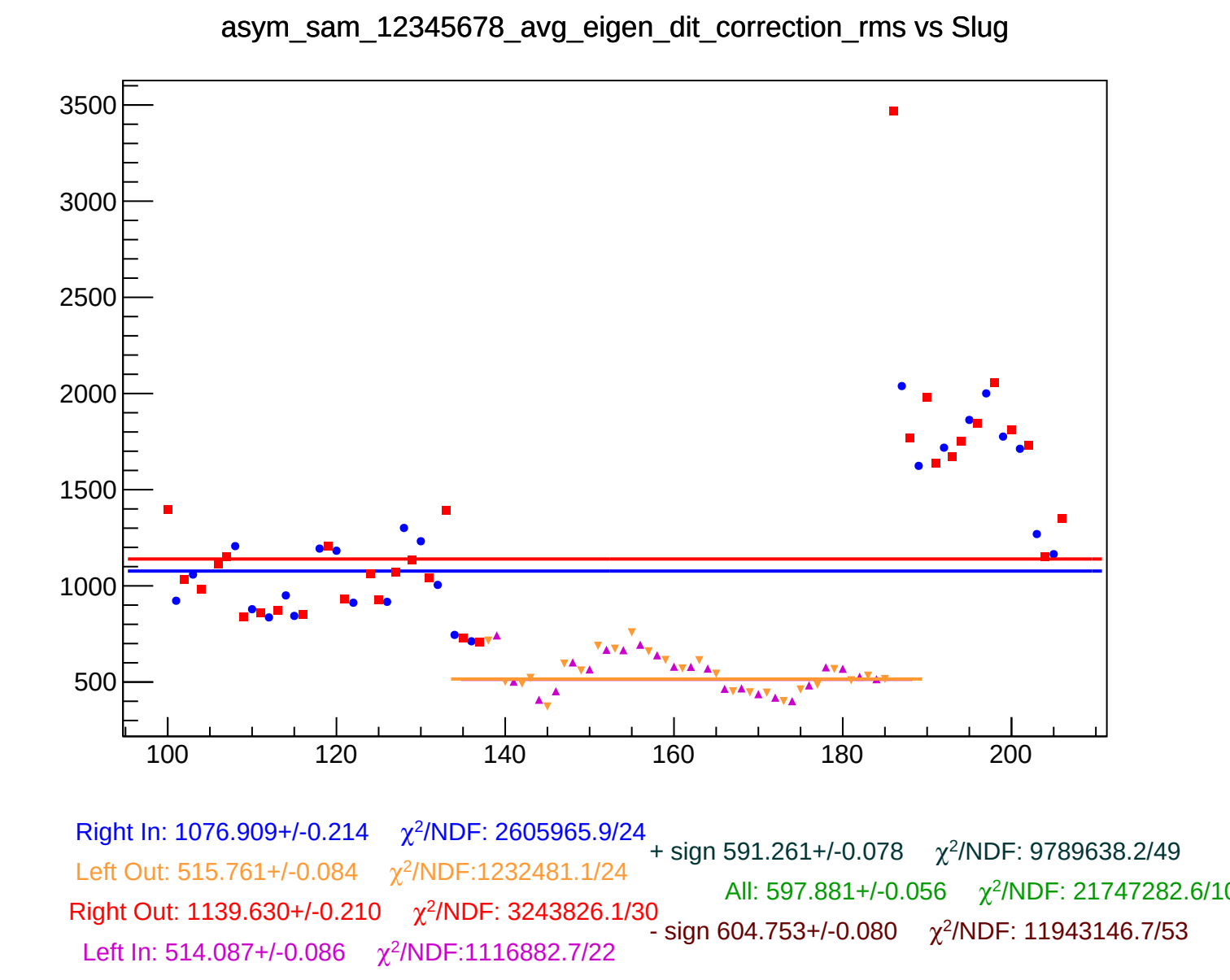
Right Out: -751.521+/-297.075 χ^2/NDF: 22.6/30

Left In: -99.101+/-122.310 χ^2/NDF:23.7/22

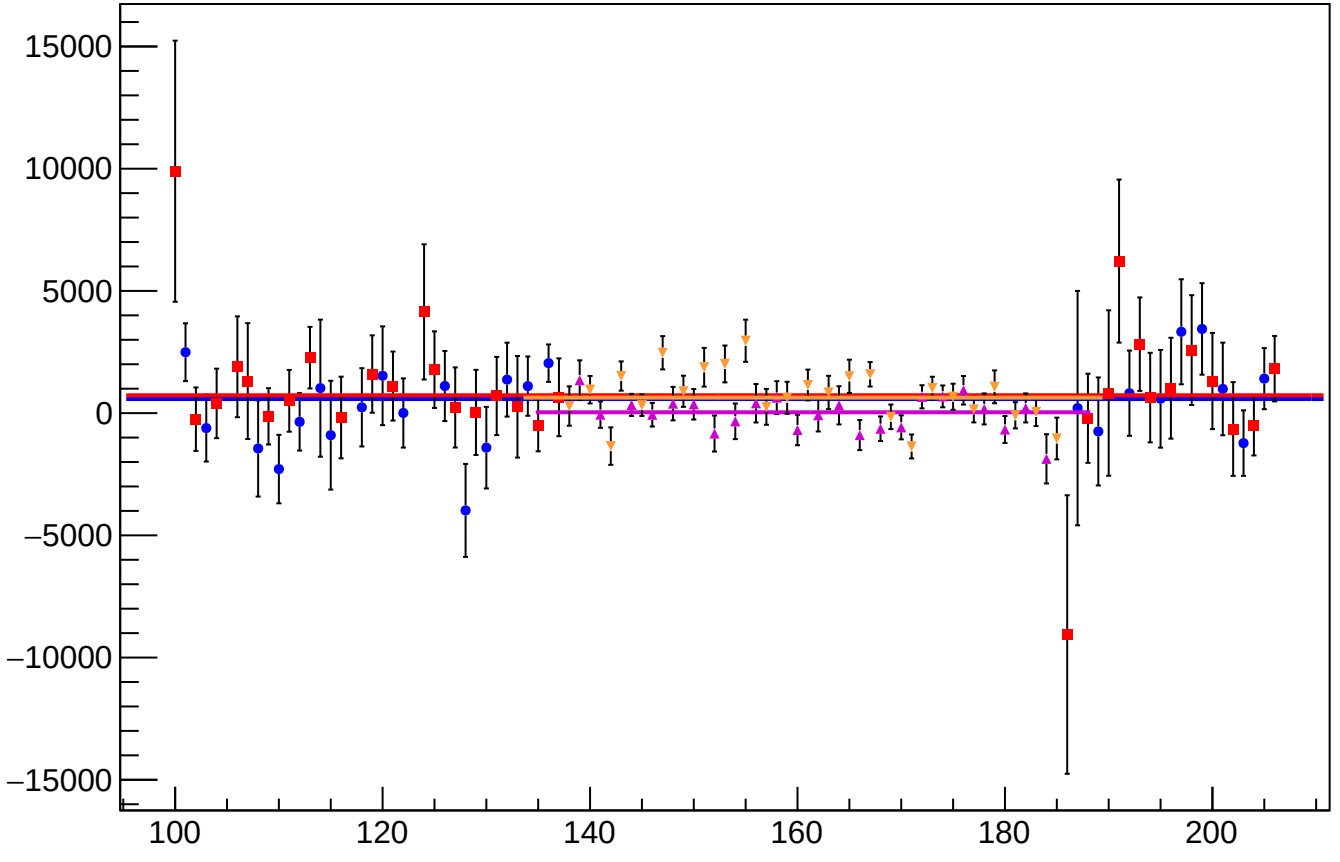
+ sign -596.847+/-111.006 χ^2/NDF: 91.8/49

All: -399.021+/-79.223 χ^2/NDF: 148.7/103

- sign -193.664+/-113.100 χ^2/NDF: 50.4/53


asym_sam_12345678_avg_eigen_dit_correction_rms vs Slug
3500
3000
2500
2000
1500
1000
500
100
120
140
160
180
200
Right In: 1076.909+/-0.214 χ²/NDF: 2605965.9/24
Left Out: 515.761+/-0.084 χ²/NDF:1232481.1/24
Right Out: 1139.630+/-0.210 χ²/NDF: 3243826.1/30
Left In: 514.087+/-0.086 χ²/NDF:1116882.7/22
+ sign 591.261+/-0.078 χ²/NDF: 9789638.2/49
All: 597.881+/-0.056 χ²/NDF: 21747282.6/10
- sign 604.753+/-0.080 χ²/NDF: 11943146.7/53

asym_sam_12345678_avg_mean vs Slug



Right In: 576.786+/-302.183 χ^2/NDF: 28.3/24

Left Out: 634.783+/-120.717 χ^2/NDF:64.5/24

Right Out: 730.766+/-298.556 χ^2/NDF: 20.4/30

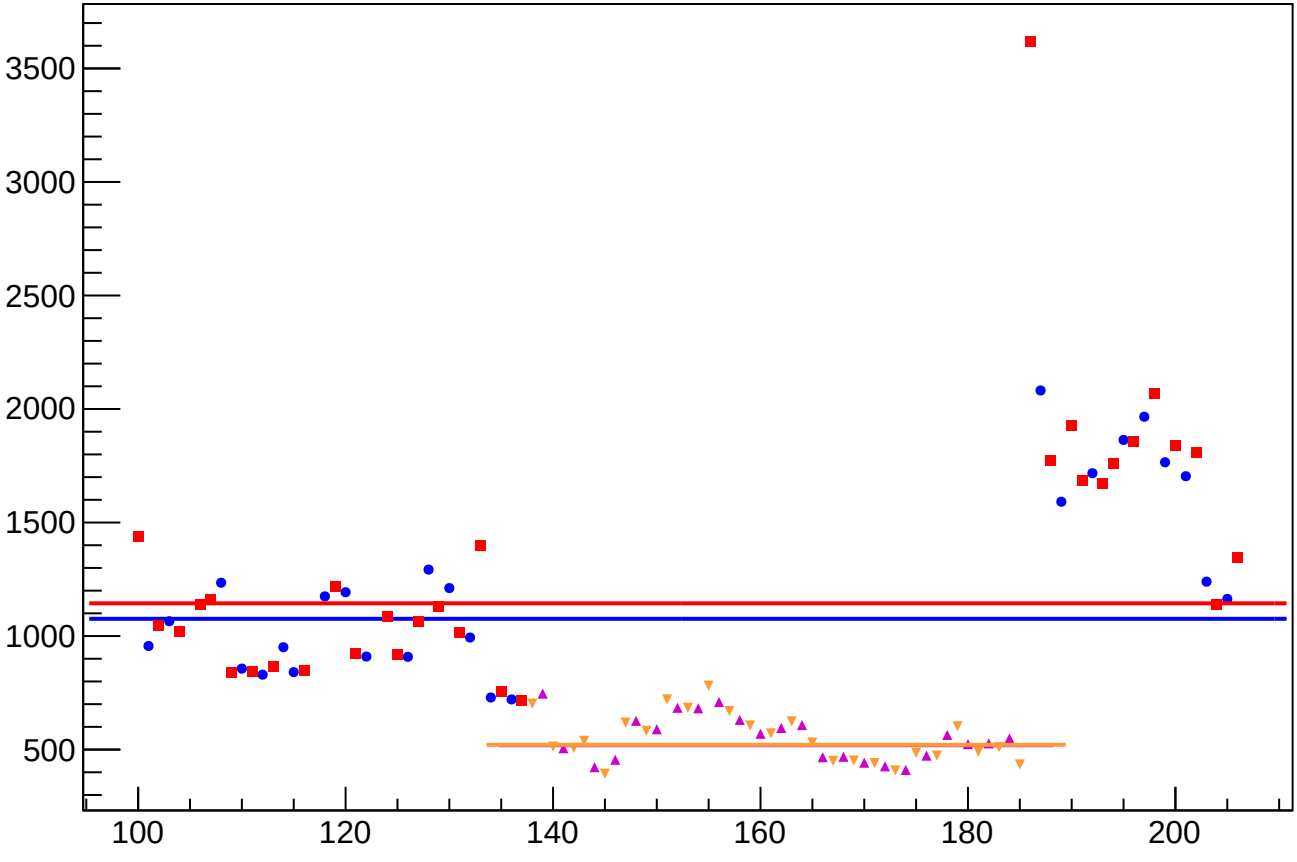
Left In: 34.808+/-123.517 χ^2/NDF:25.1/22

+ sign 626.802+/-112.103 χ^2/NDF: 92.8/49

All: 386.065+/-79.978 χ^2/NDF: 152.4/103

- sign 136.520+/-114.135 χ^2/NDF: 50.2/53

asym_sam_12345678_avg_rms vs Slug



Right In: 1075.948+/-0.214 χ^2/NDF: 2556608.1/24

Left Out: 521.025+/-0.085 χ^2/NDF:1243003.9/24

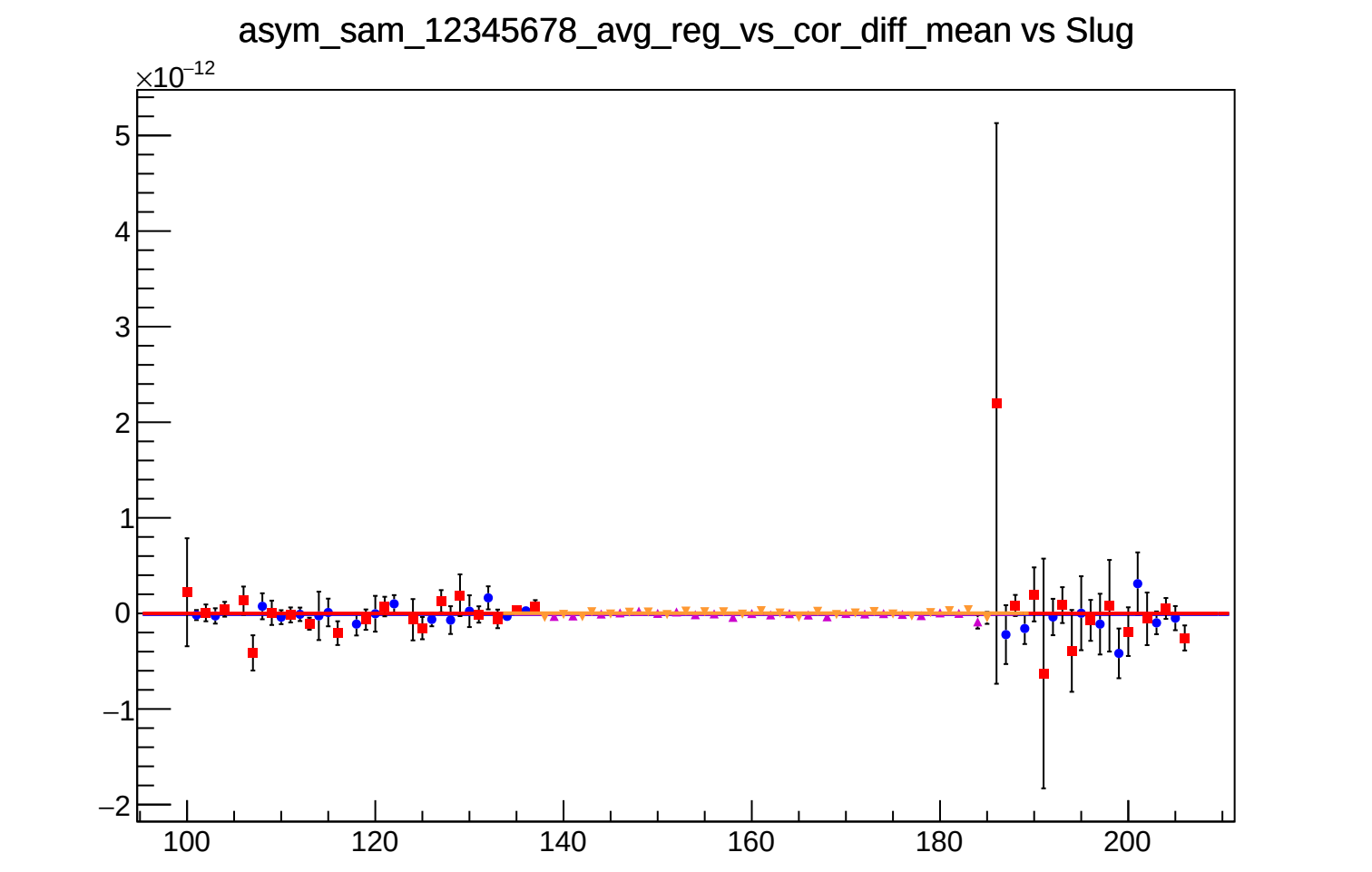
Right Out: 1144.119+/-0.211 χ^2/NDF: 3270994.6/30

Left In: 519.239+/-0.087 χ^2/NDF:1100553.3/22

+ sign 597.395+/-0.079 χ^2/NDF: 9615977.7/49

All: 603.861+/-0.057 χ^2/NDF: 21482000.2/10

- sign 610.563+/-0.081 χ^2/NDF: 11852472.9/53



Right In: -0.000+/-0.000 χ^2/NDF: 12.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:22.4/24

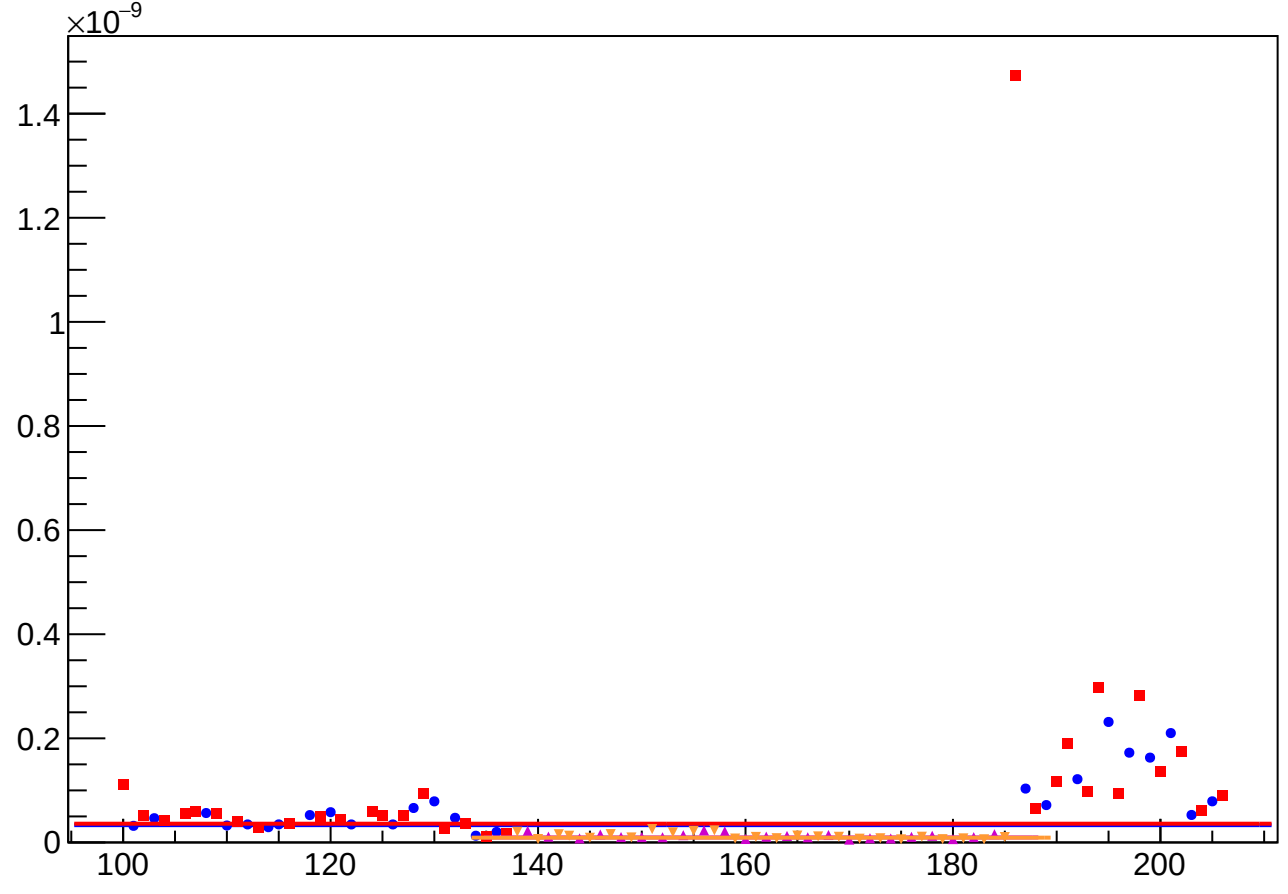
Right Out: -0.000+/-0.000 χ^2/NDF: 27.2/30

Left In: -0.000+/-0.000 χ^2/NDF:10.8/22

+ sign 0.000+/-0.000 χ^2/NDF: 35.6/49

All: -0.000+/-0.000 χ^2/NDF: 75.1/103

- sign -0.000+/-0.000 χ^2/NDF: 38.0/53



Right In: 0.000+/-0.000 χ^2/NDF: 4250487.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2137290.7/24

Right Out: 0.000+/-0.000 χ^2/NDF: 5623791.7/30

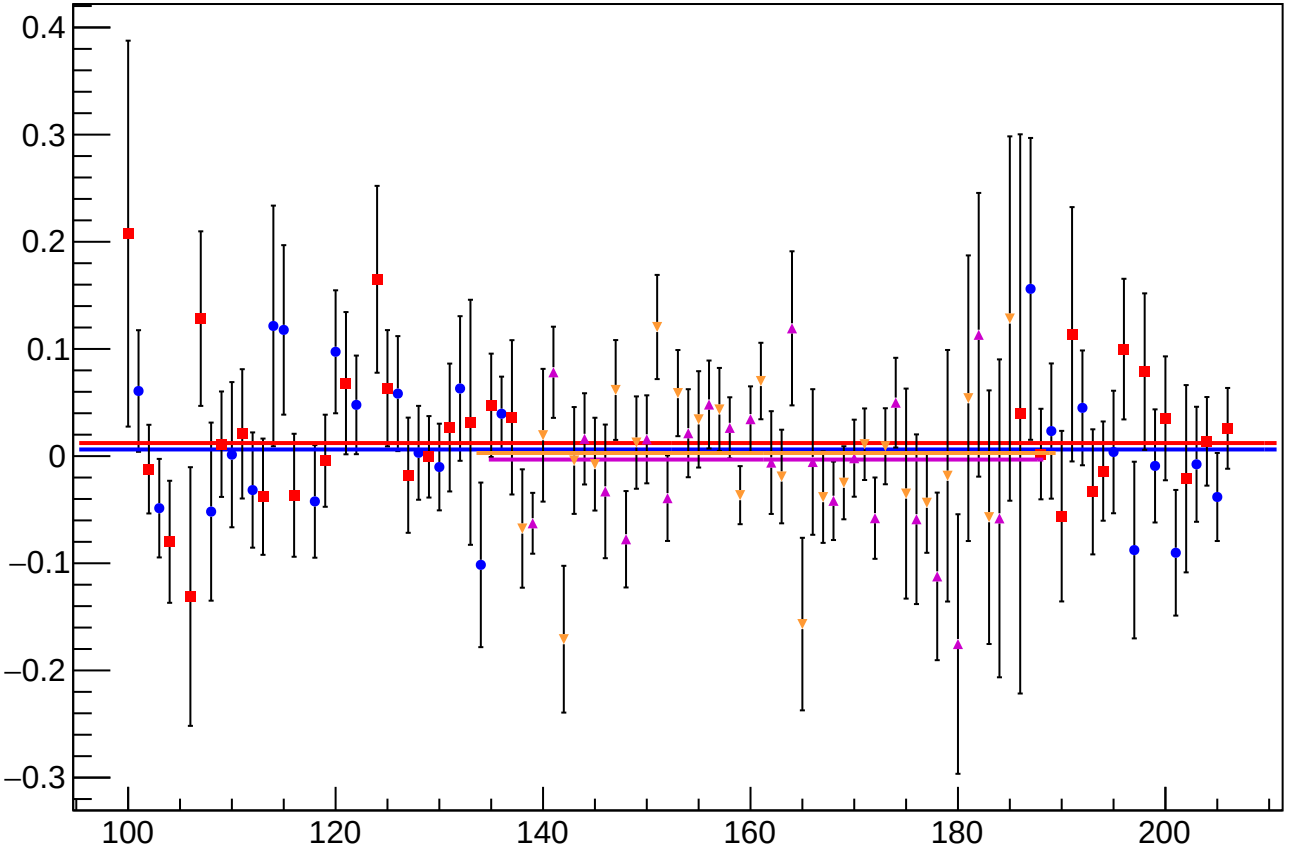
Left In: 0.000+/-0.000 χ^2/NDF:1614718.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 10167246.8/49

All: 0.000+/-0.000 χ^2/NDF: 21436221.2/103

- sign 0.000+/-0.000 χ^2/NDF: 11254159.2/53

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs Slug



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

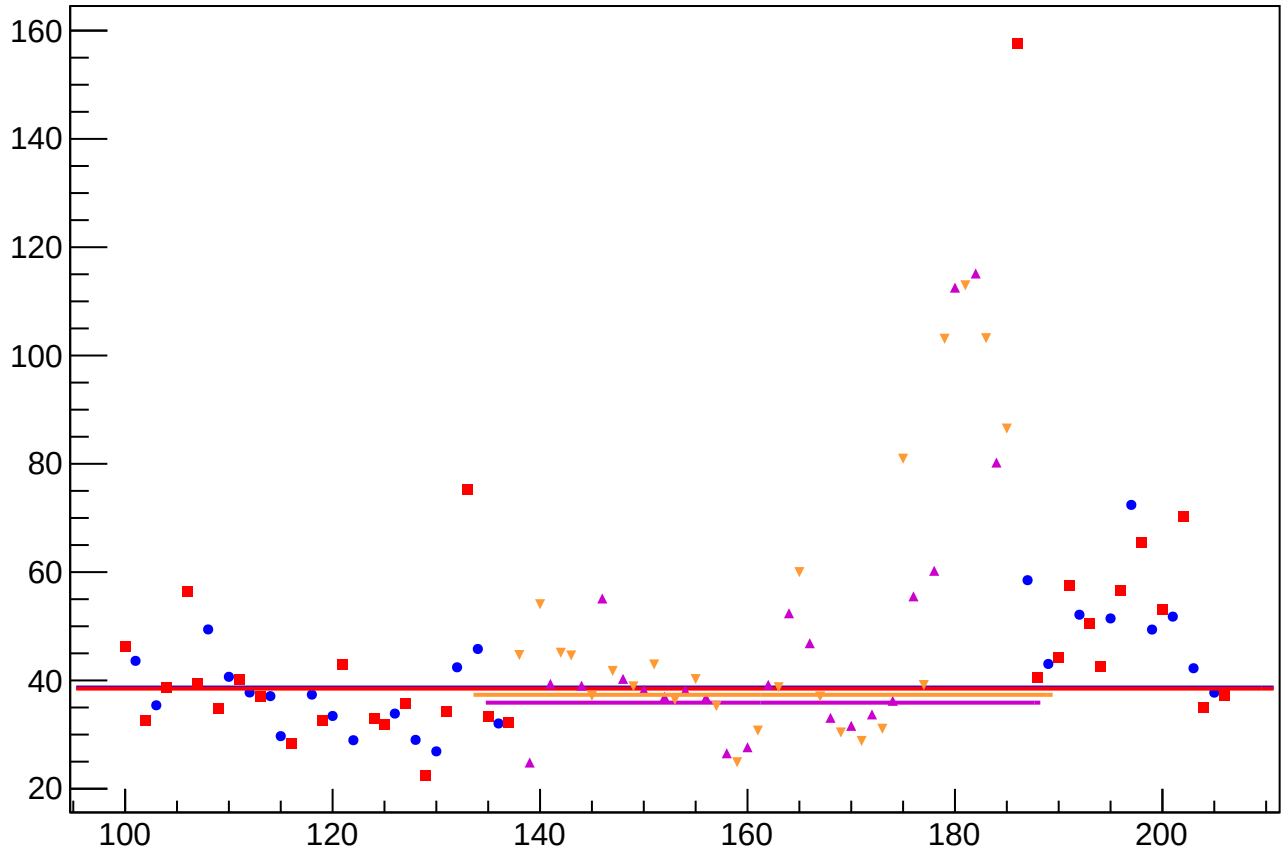
Right Out: 0.012+/-0.010 χ^2/NDF: 20.7/30

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.004+/-0.007 χ^2/NDF: 55.3/49

All: 0.004+/-0.005 χ^2/NDF: 107.0/103

- sign 0.004+/-0.007 χ^2/NDF: 51.7/53



Right In: 38.685+/-0.008 χ^2/NDF: 1376105.9/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

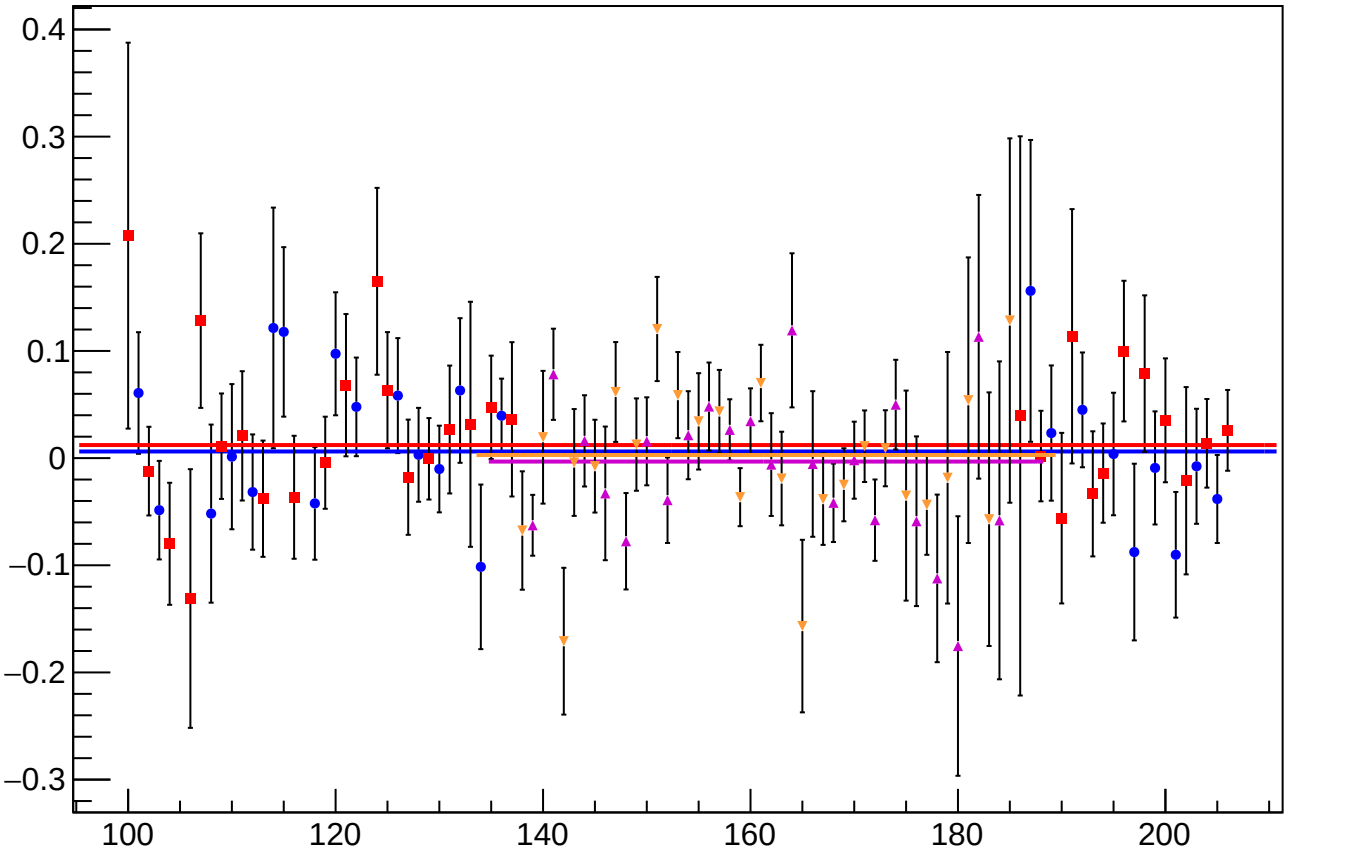
Right Out: 38.492+/-0.007 χ^2/NDF: 2285889.5/30

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.900+/-0.005 χ^2/NDF: 5090163.2/49

All: 37.457+/-0.003 χ^2/NDF: 10600500.5/103

- sign 37.043+/-0.005 χ^2/NDF: 5495189.9/53



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

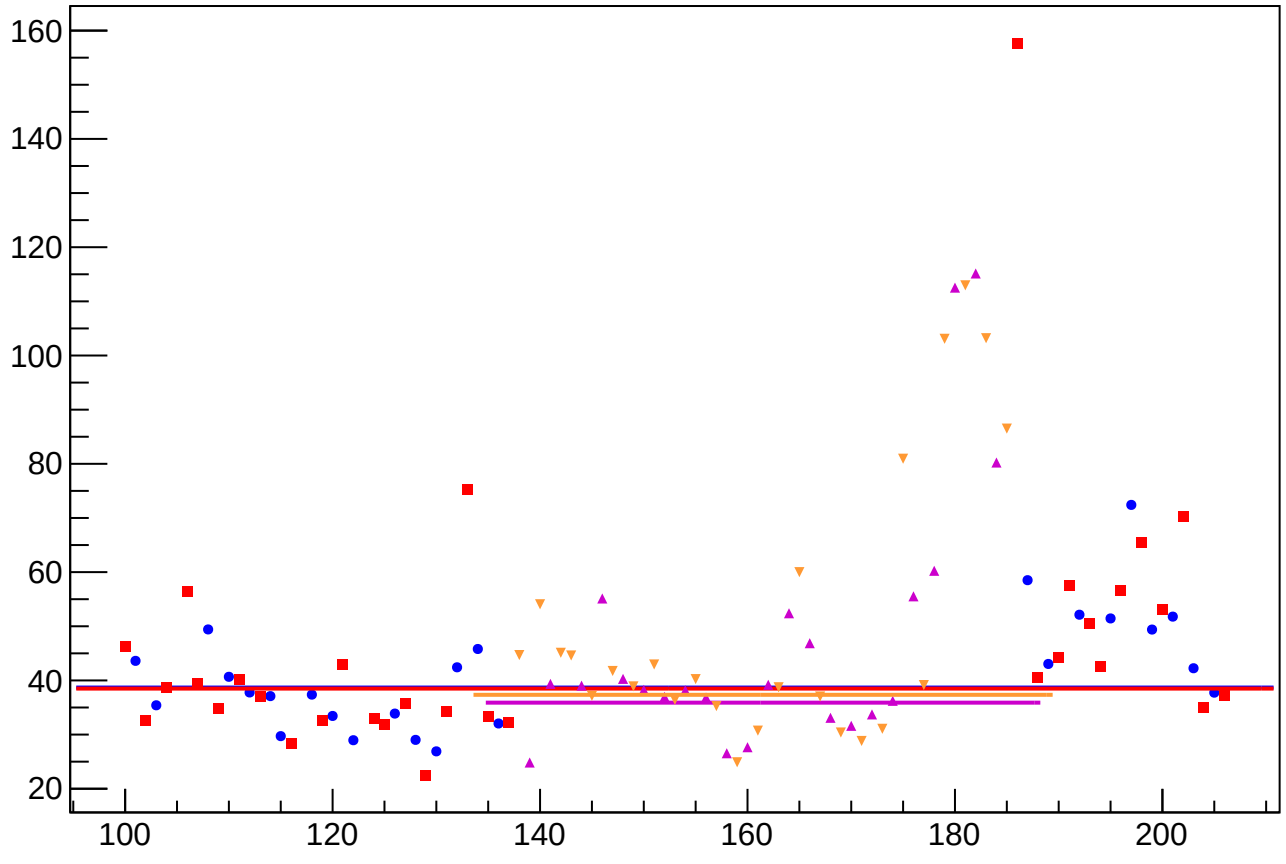
Right Out: 0.012+/-0.010 χ^2/NDF: 20.7/30

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.004+/-0.007 χ^2/NDF: 55.3/49

All: 0.004+/-0.005 χ^2/NDF: 107.0/103

- sign 0.004+/-0.007 χ^2/NDF: 51.7/53



Right In: 38.685+/-0.008 χ^2/NDF: 1376105.9/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696647.0/24

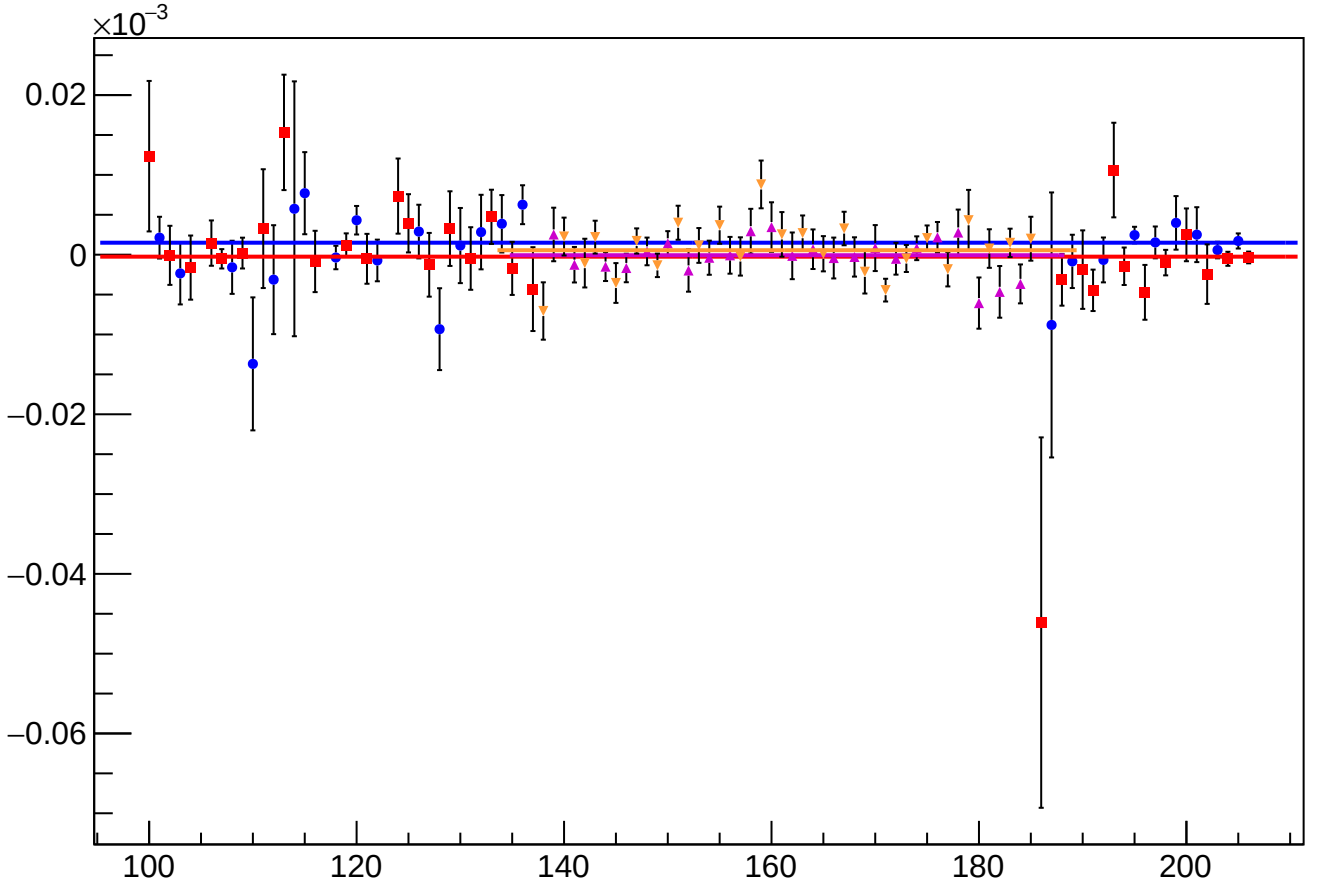
Right Out: 38.492+/-0.007 χ^2/NDF: 2285889.5/30

Left In: 35.896+/-0.006 χ^2/NDF:3138291.6/22

+ sign 37.900+/-0.005 χ^2/NDF: 5090163.2/49

All: 37.457+/-0.003 χ^2/NDF: 10600500.5/103

- sign 37.043+/-0.005 χ^2/NDF: 5495189.9/53



Right In: 0.000+/-0.000 χ^2/NDF: 24.8/24

Left Out: 0.000+/-0.000 χ^2/NDF:43.5/24

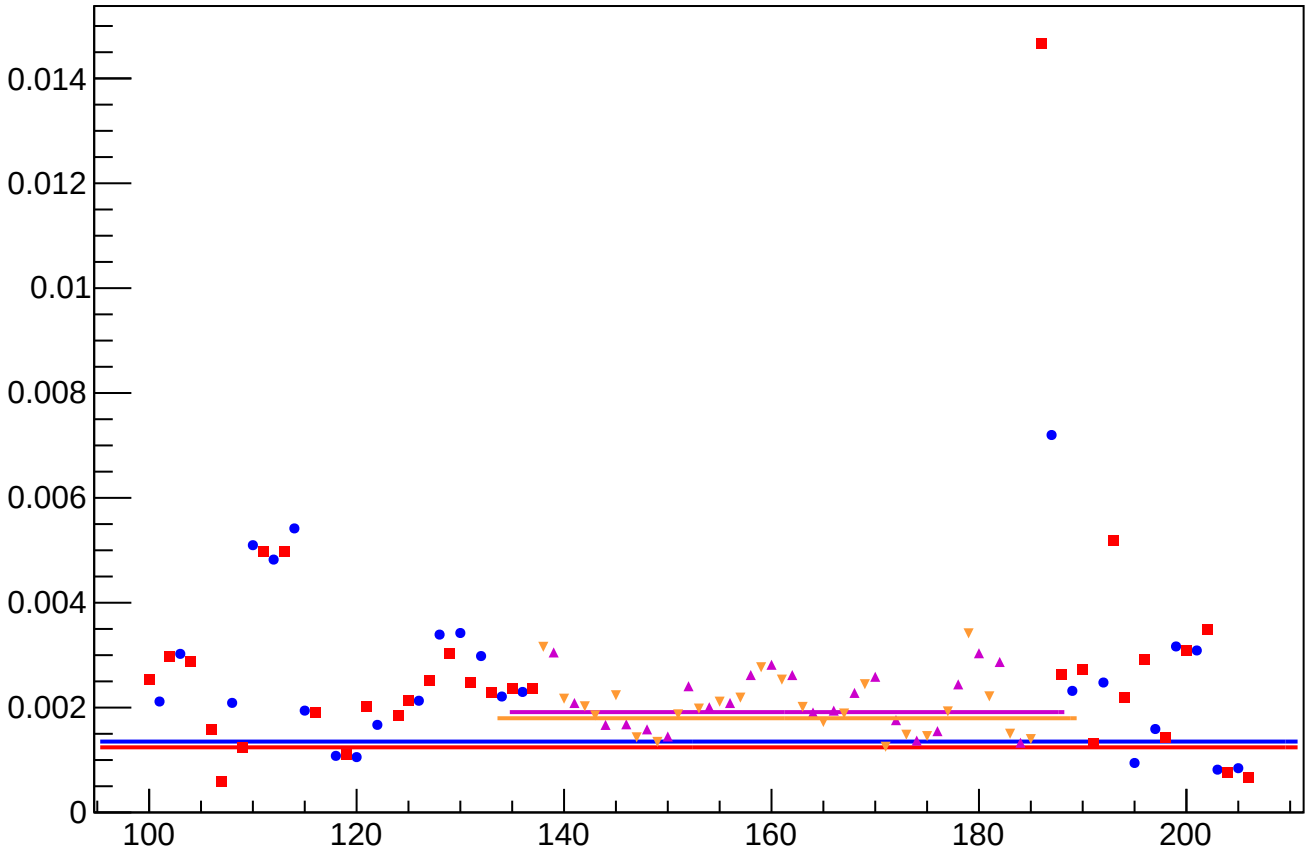
Right Out: -0.000+/-0.000 χ^2/NDF: 29.8/30

Left In: -0.000+/-0.000 χ^2/NDF:16.9/22

+ sign 0.000+/-0.000 χ^2/NDF: 70.7/49

All: 0.000+/-0.000 χ^2/NDF: 125.6/103

- sign -0.000+/-0.000 χ^2/NDF: 46.9/53



Right In: 0.001+/-0.000 χ^2/NDF: 6615911.8/24

Left Out: 0.002+/-0.000 χ^2/NDF:2279340.7/24

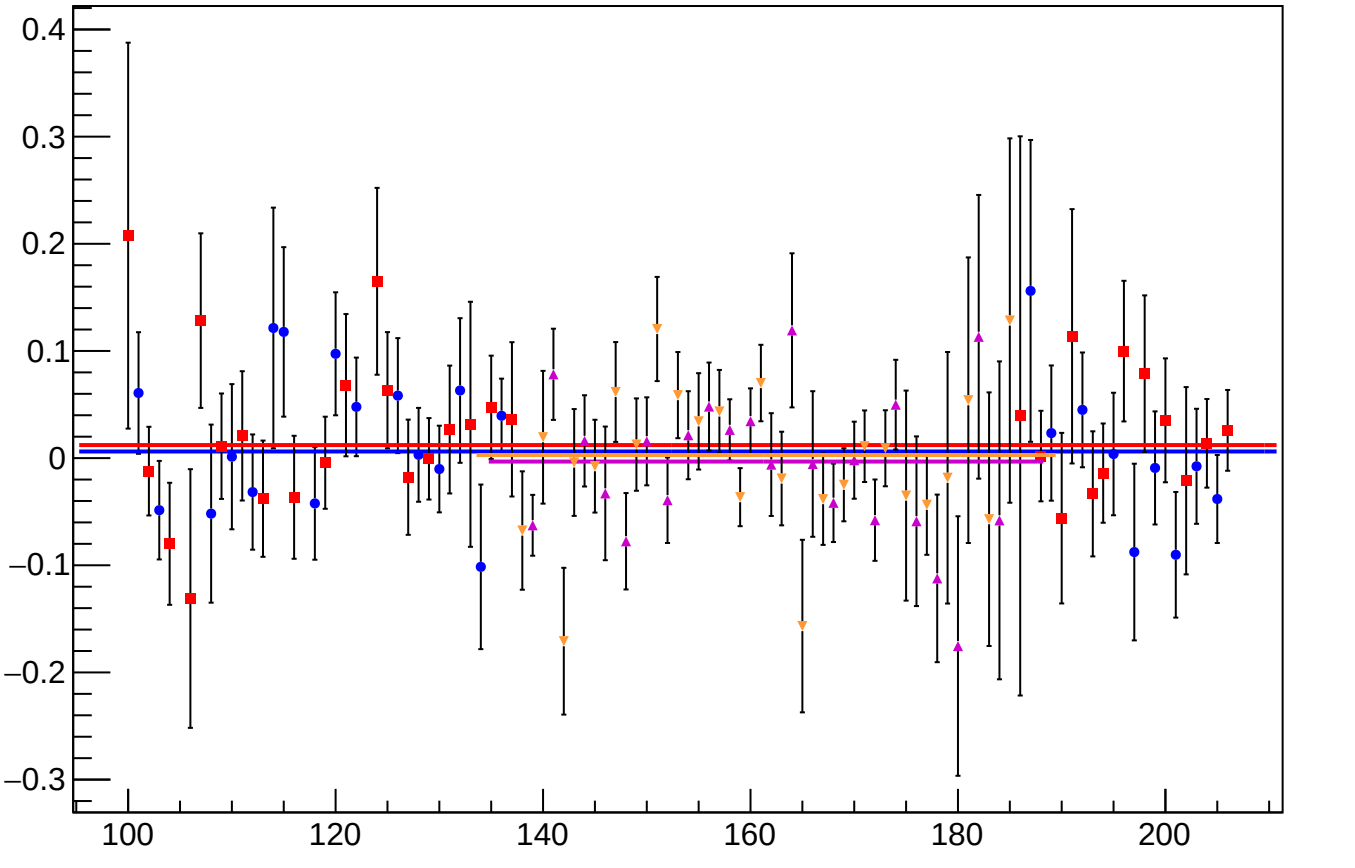
Right Out: 0.001+/-0.000 χ^2/NDF: 10109731.0/30

Left In: 0.002+/-0.000 χ^2/NDF:2171715.8/22

+ sign 0.002+/-0.000 χ^2/NDF: 9977908.5/49

All: 0.002+/-0.000 χ^2/NDF: 24766112.8/103

- sign 0.002+/-0.000 χ^2/NDF: 14746681.1/53



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

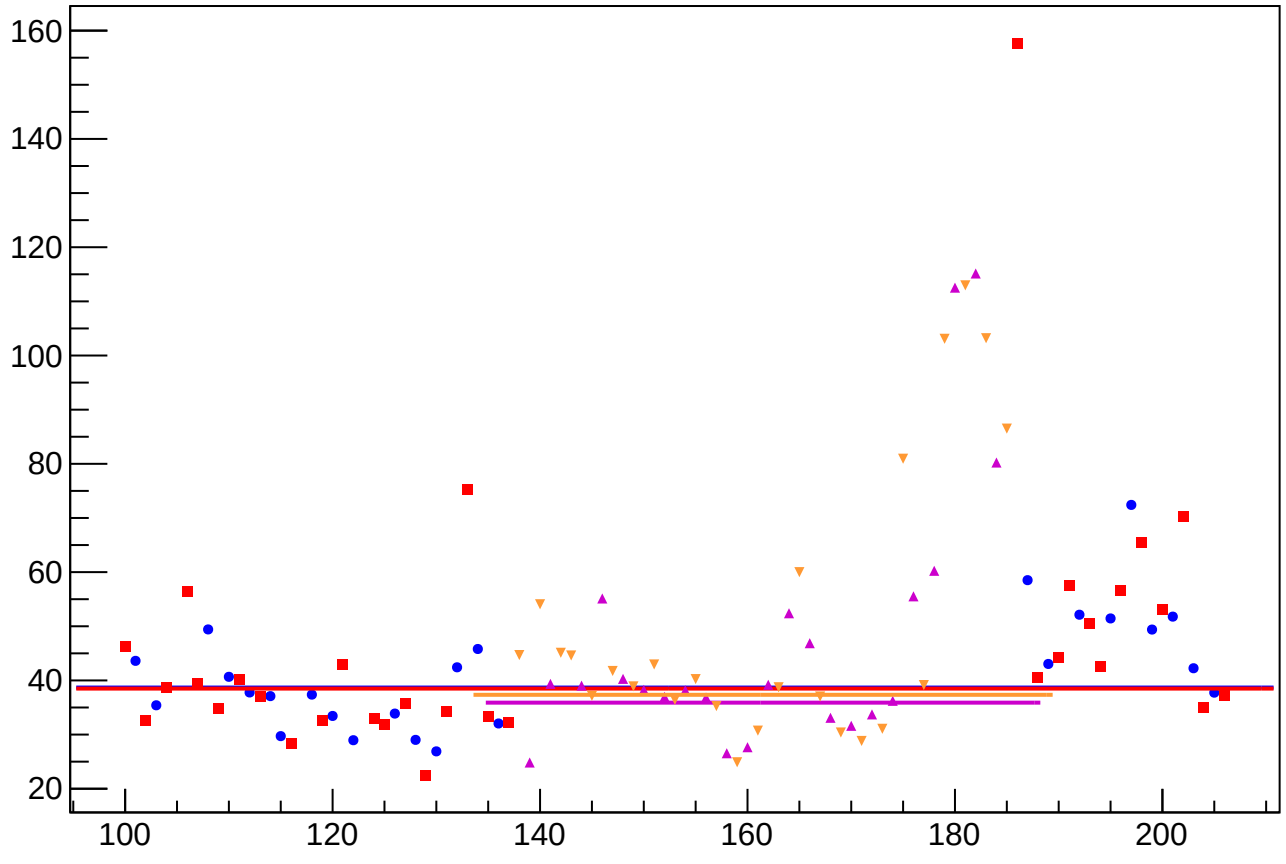
Right Out: 0.012+/-0.010 χ^2/NDF: 20.7/30

Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.004+/-0.007 χ^2/NDF: 55.3/49

All: 0.004+/-0.005 χ^2/NDF: 107.0/103

- sign 0.004+/-0.007 χ^2/NDF: 51.7/53



Right In: 38.685+/-0.008 χ^2/NDF: 1376221.0/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

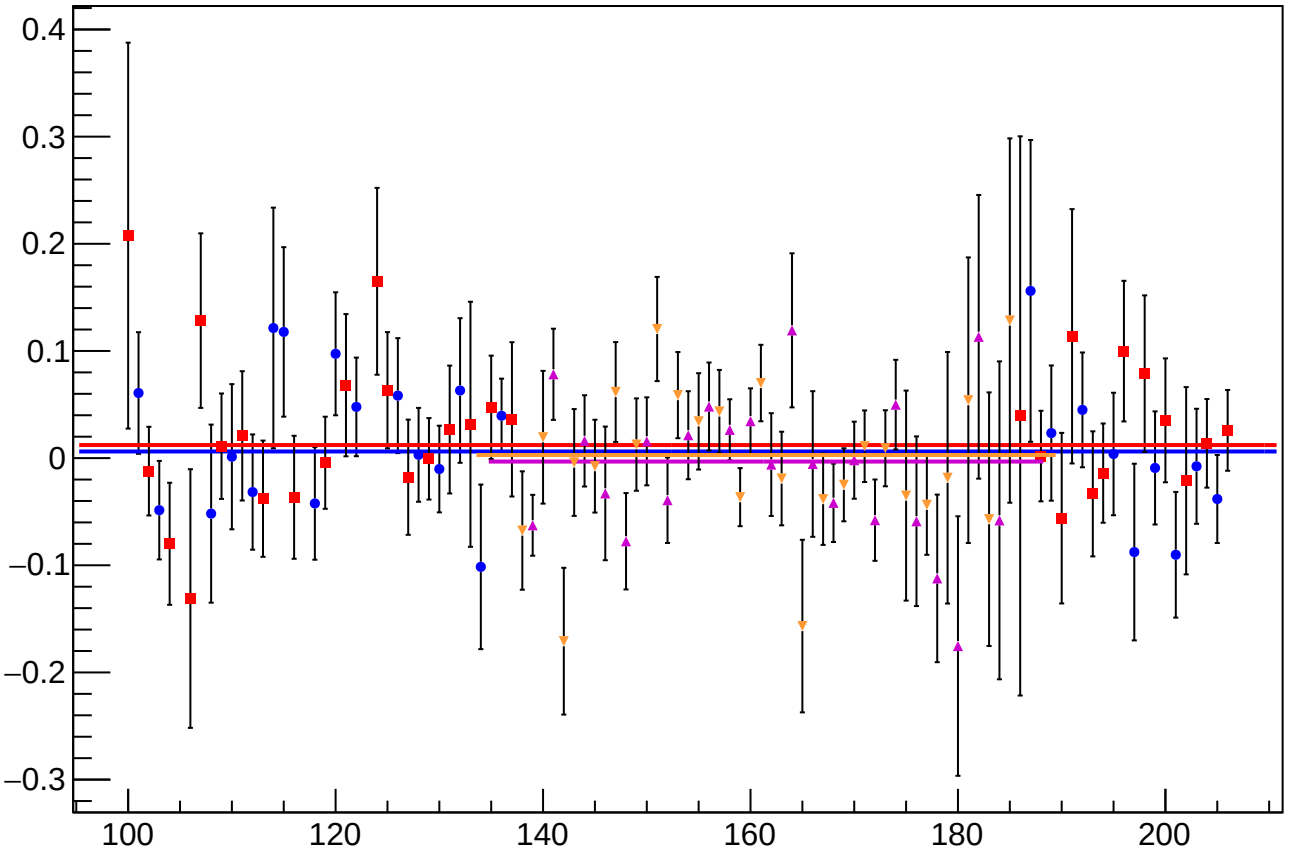
Right Out: 38.492+/-0.007 χ^2/NDF: 2286006.9/30

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.900+/-0.005 χ^2/NDF: 5090305.7/49

All: 37.457+/-0.003 χ^2/NDF: 10600733.2/103

- sign 37.043+/-0.005 χ^2/NDF: 5495286.6/53



Right In: 0.006+/-0.011 χ^2/NDF: 22.3/24

Left Out: 0.003+/-0.009 χ^2/NDF:32.9/24

Right Out: 0.012+/-0.010 χ^2/NDF: 20.7/30

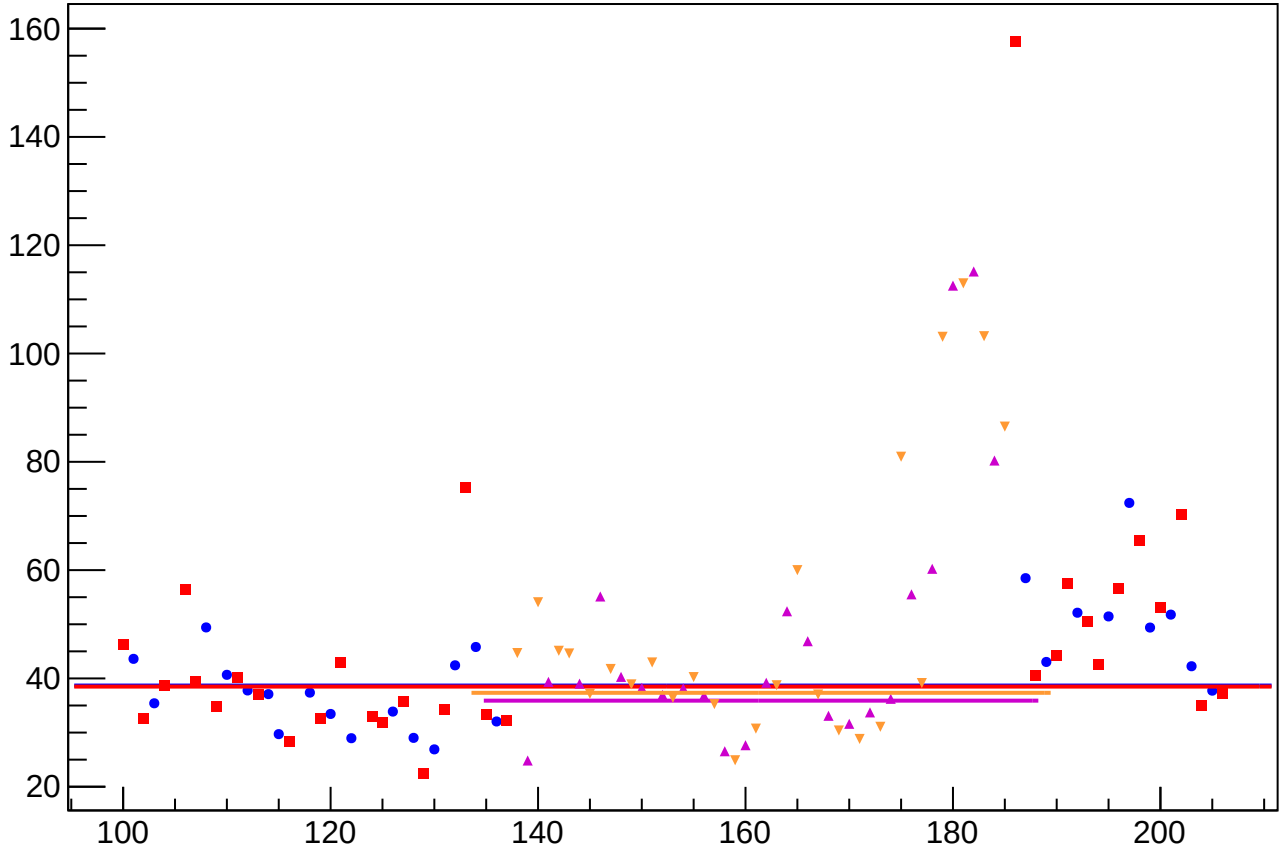
Left In: -0.003+/-0.009 χ^2/NDF:29.8/22

+ sign 0.004+/-0.007 χ^2/NDF: 55.3/49

All: 0.004+/-0.005 χ^2/NDF: 107.0/103

- sign 0.004+/-0.007 χ^2/NDF: 51.7/53

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs Slug



Right In: 38.685+/-0.008 χ^2/NDF: 1376221.0/24

Left Out: 37.344+/-0.007 χ^2/NDF:3696697.3/24

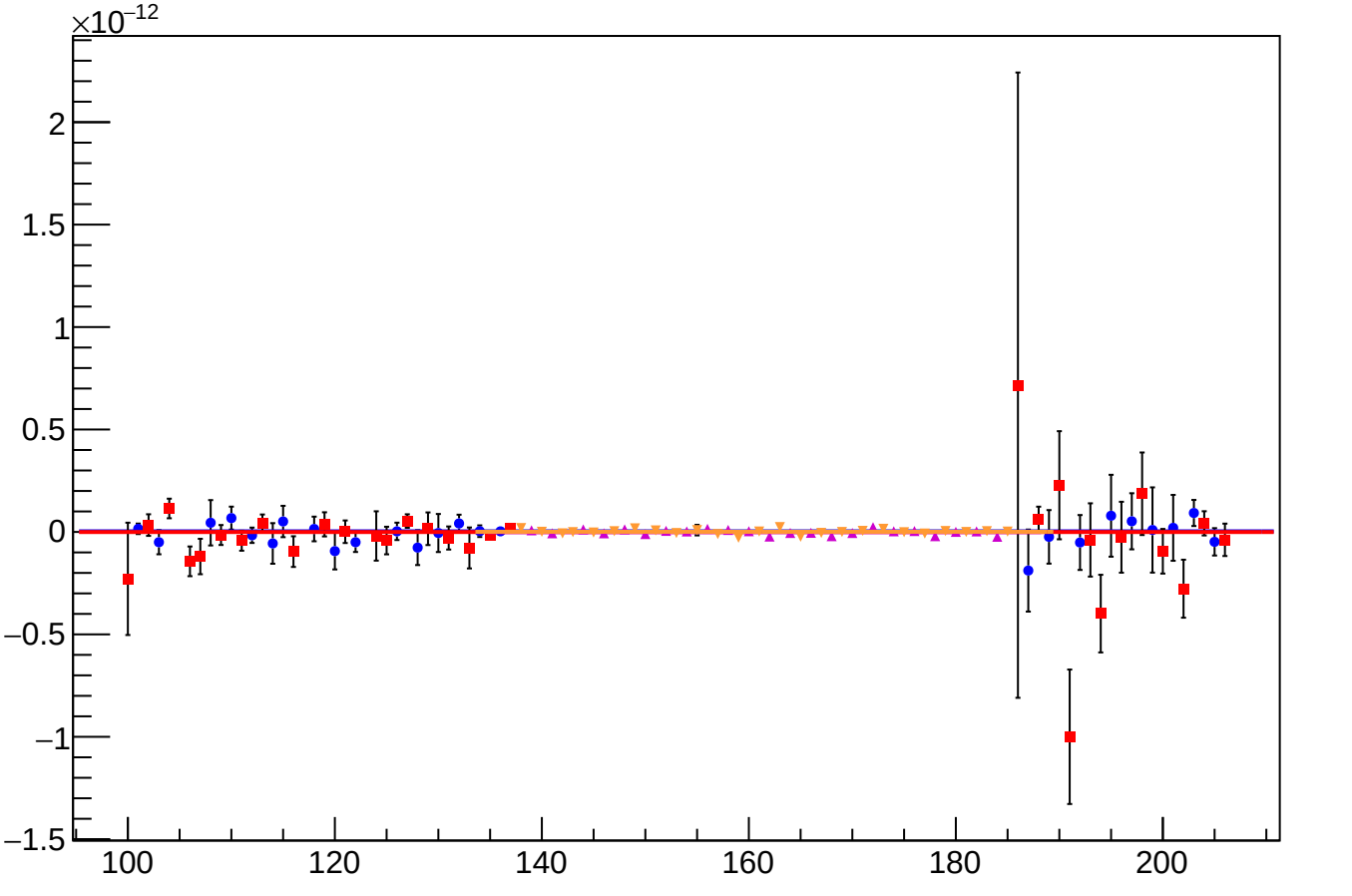
Right Out: 38.492+/-0.007 χ^2/NDF: 2286006.9/30

Left In: 35.896+/-0.006 χ^2/NDF:3138307.4/22

+ sign 37.900+/-0.005 χ^2/NDF: 5090305.7/49

All: 37.457+/-0.003 χ^2/NDF: 10600733.2/103

- sign 37.043+/-0.005 χ^2/NDF: 5495286.6/53



Right In: 0.000+/-0.000 χ^2/NDF: 11.7/24

Left Out: 0.000+/-0.000 χ^2/NDF:21.4/24

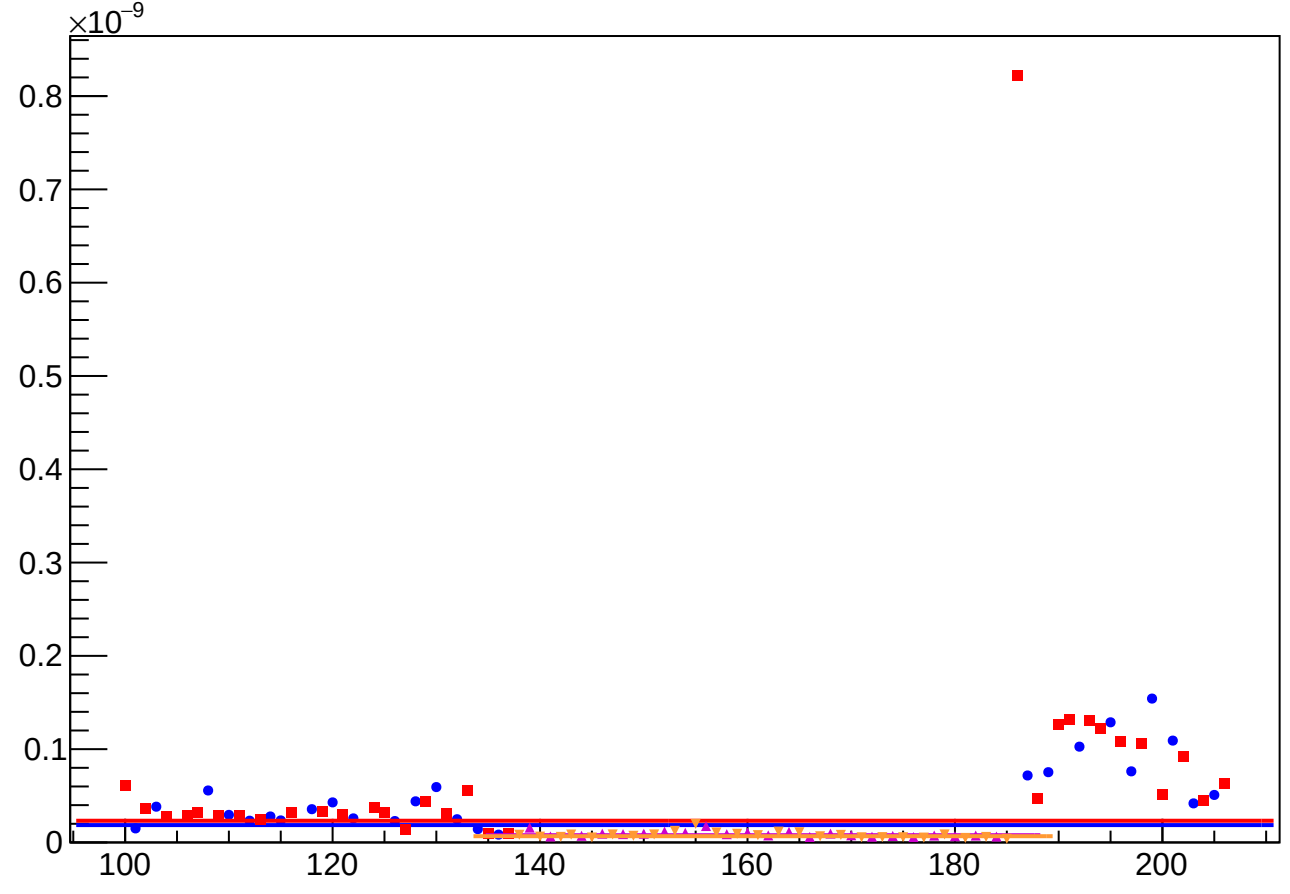
Right Out: -0.000+/-0.000 χ^2/NDF: 43.3/30

Left In: -0.000+/-0.000 χ^2/NDF:29.2/22

+ sign 0.000+/-0.000 χ^2/NDF: 33.1/49

All: 0.000+/-0.000 χ^2/NDF: 106.0/103

- sign -0.000+/-0.000 χ^2/NDF: 72.5/53



Right In: 0.000+/-0.000 χ^2/NDF: 7494022.3/24

Left Out: 0.000+/-0.000 χ^2/NDF:2192403.1/24

Right Out: 0.000+/-0.000 χ^2/NDF: 7573116.8/30

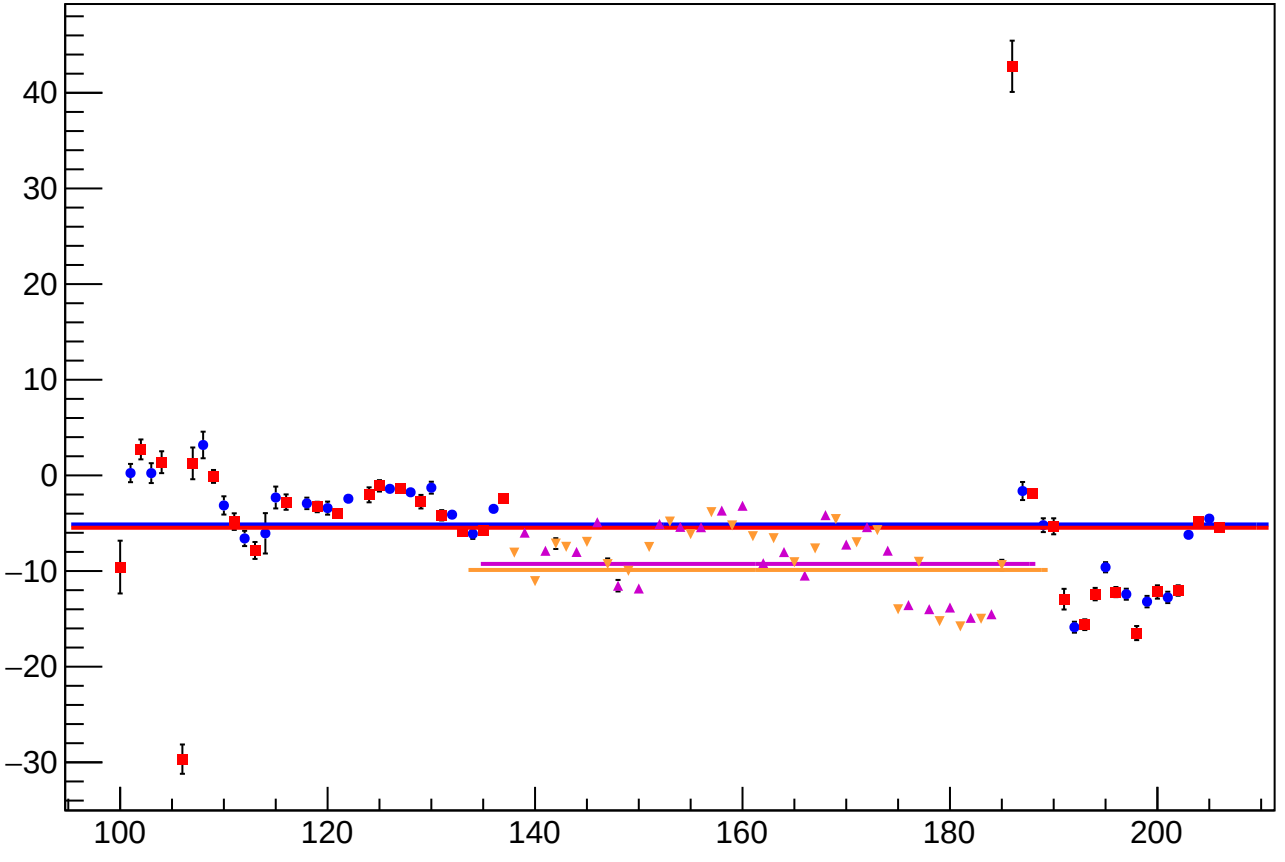
Left In: 0.000+/-0.000 χ^2/NDF:1582294.4/22

+ sign 0.000+/-0.000 χ^2/NDF: 13421706.7/49

All: 0.000+/-0.000 χ^2/NDF: 27745647.9/103

- sign 0.000+/-0.000 χ^2/NDF: 13972201.8/53

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -5.129+/-0.110 χ^2/NDF: 1315.5/24

Left Out: -9.886+/-0.070 χ^2/NDF:3206.9/24

Right Out: -5.475+/-0.105 χ^2/NDF: 2253.5/30

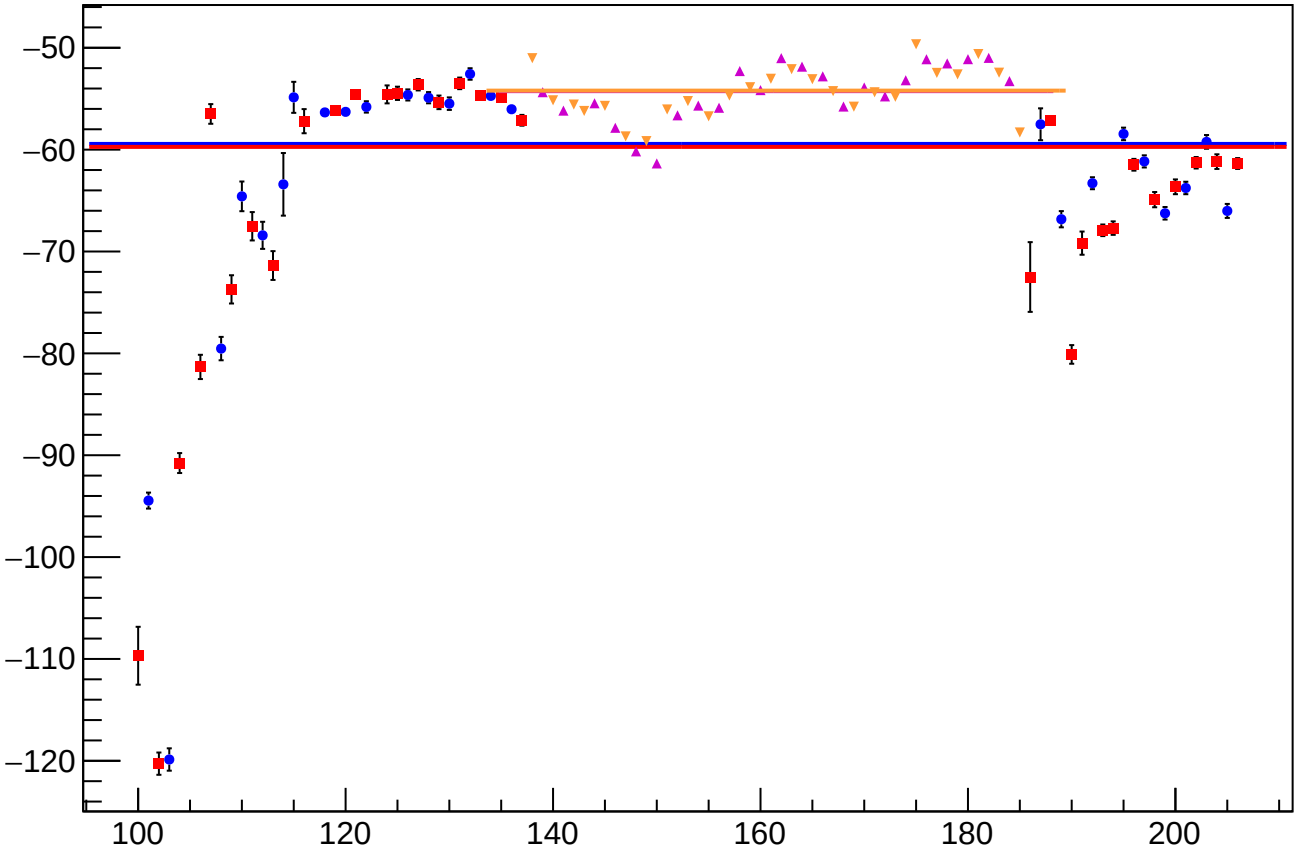
Left In: -9.255+/-0.072 χ^2/NDF:3067.6/22

+ sign -8.526+/-0.059 χ^2/NDF: 5860.7/49

All: -8.288+/-0.042 χ^2/NDF: 12105.0/103

- sign -8.047+/-0.059 χ^2/NDF: 6211.2/53

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -59.439+/-0.116 χ^2/NDF: 6614.9/24

Left Out: -54.206+/-0.056 χ^2/NDF:1857.6/24

Right Out: -59.729+/-0.112 χ^2/NDF: 7053.1/30

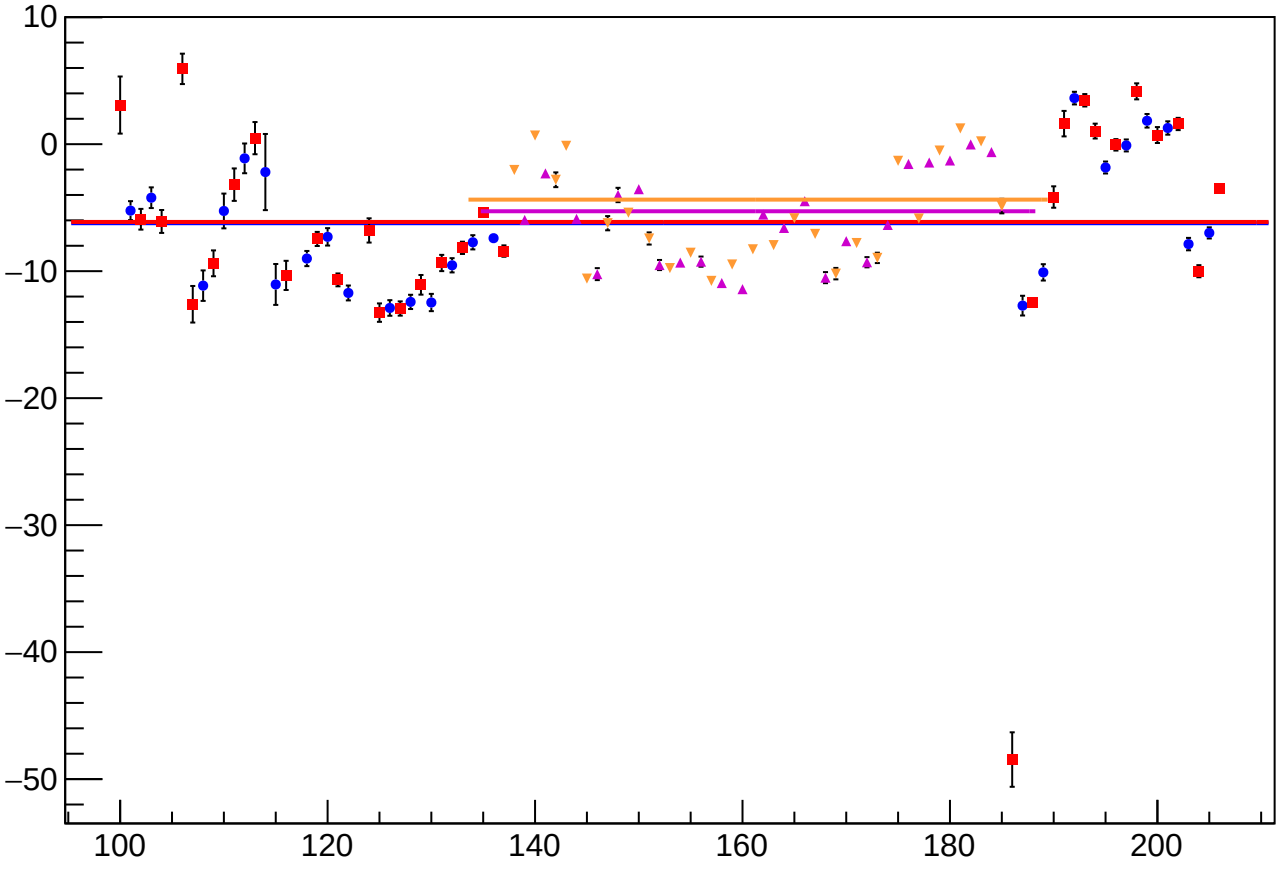
Left In: -54.257+/-0.058 χ^2/NDF:2489.9/22

+ sign -55.191+/-0.050 χ^2/NDF: 10125.2/49

All: -55.301+/-0.036 χ^2/NDF: 21545.8/103

- sign -55.418+/-0.052 χ^2/NDF: 11410.7/53

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -6.224+/-0.111 χ^2/NDF: 1757.0/24

Left Out: -4.366+/-0.069 χ^2/NDF:3701.4/24

Right Out: -6.124+/-0.103 χ^2/NDF: 3161.4/30

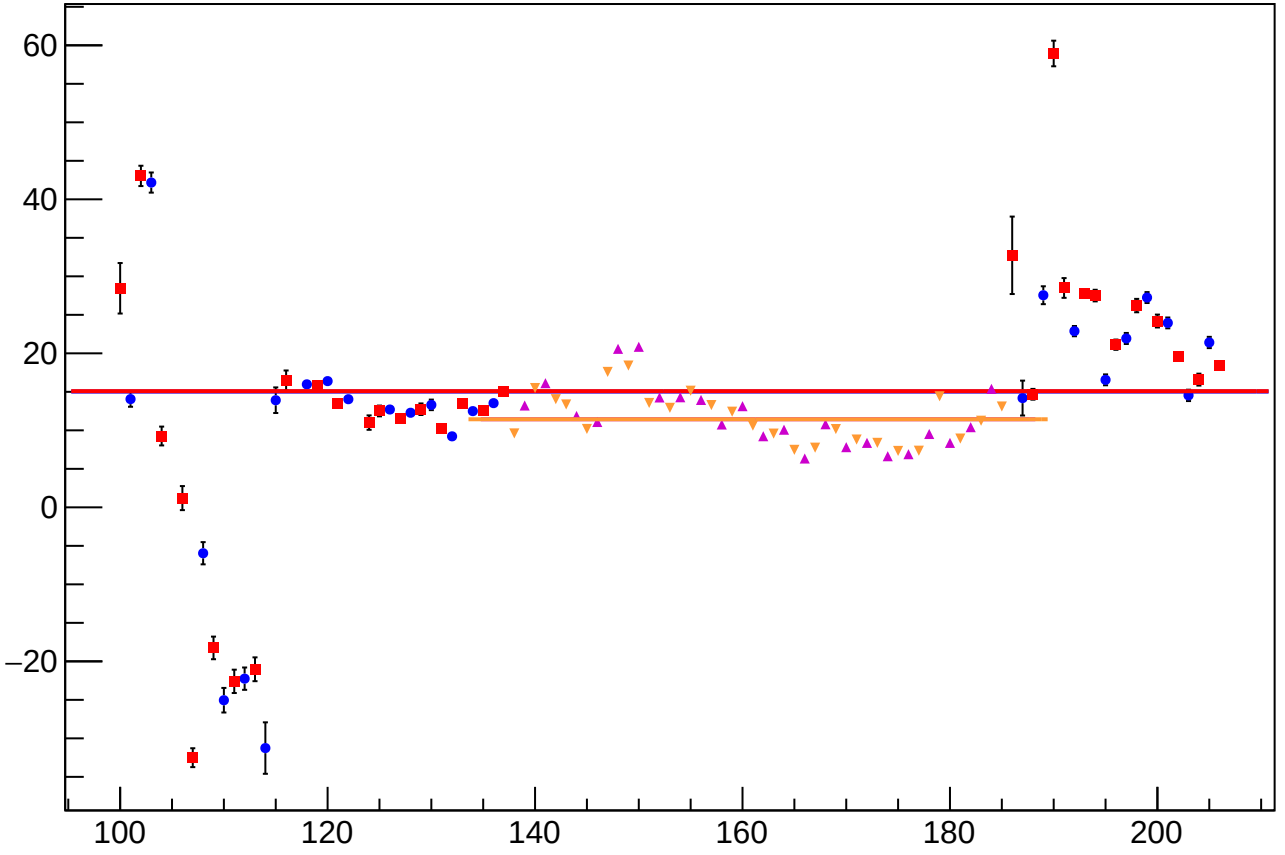
Left In: -5.283+/-0.071 χ^2/NDF:2750.2/22

+ sign -4.887+/-0.059 χ^2/NDF: 5660.2/49

All: -5.222+/-0.041 χ^2/NDF: 11681.4/103

- sign -5.554+/-0.059 χ^2/NDF: 5956.6/53

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 15.036+/-0.130 χ^2/NDF: 3225.2/24

Left Out: 11.438+/-0.062 χ^2/NDF:2435.7/24

Right Out: 15.089+/-0.128 χ^2/NDF: 5901.2/30

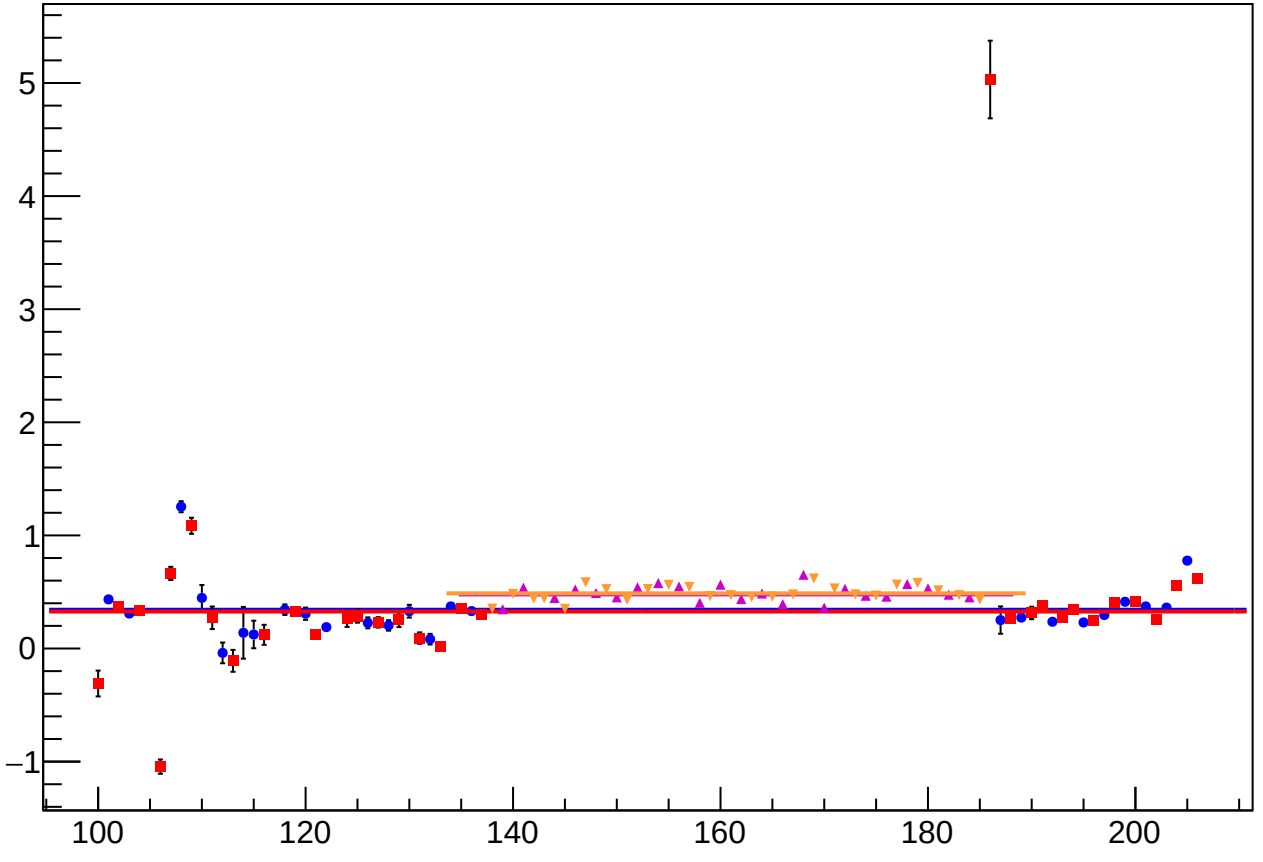
Left In: 11.441+/-0.064 χ^2/NDF:3358.4/22

+ sign 12.104+/-0.056 χ^2/NDF: 6284.6/49

All: 12.138+/-0.040 χ^2/NDF: 16193.3/103

- sign 12.174+/-0.057 χ^2/NDF: 9907.9/53

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.343+/-0.006 χ^2/NDF: 677.3/24

Left Out: 0.488+/-0.003 χ^2/NDF:539.4/24

Right Out: 0.327+/-0.006 χ^2/NDF: 1291.1/30

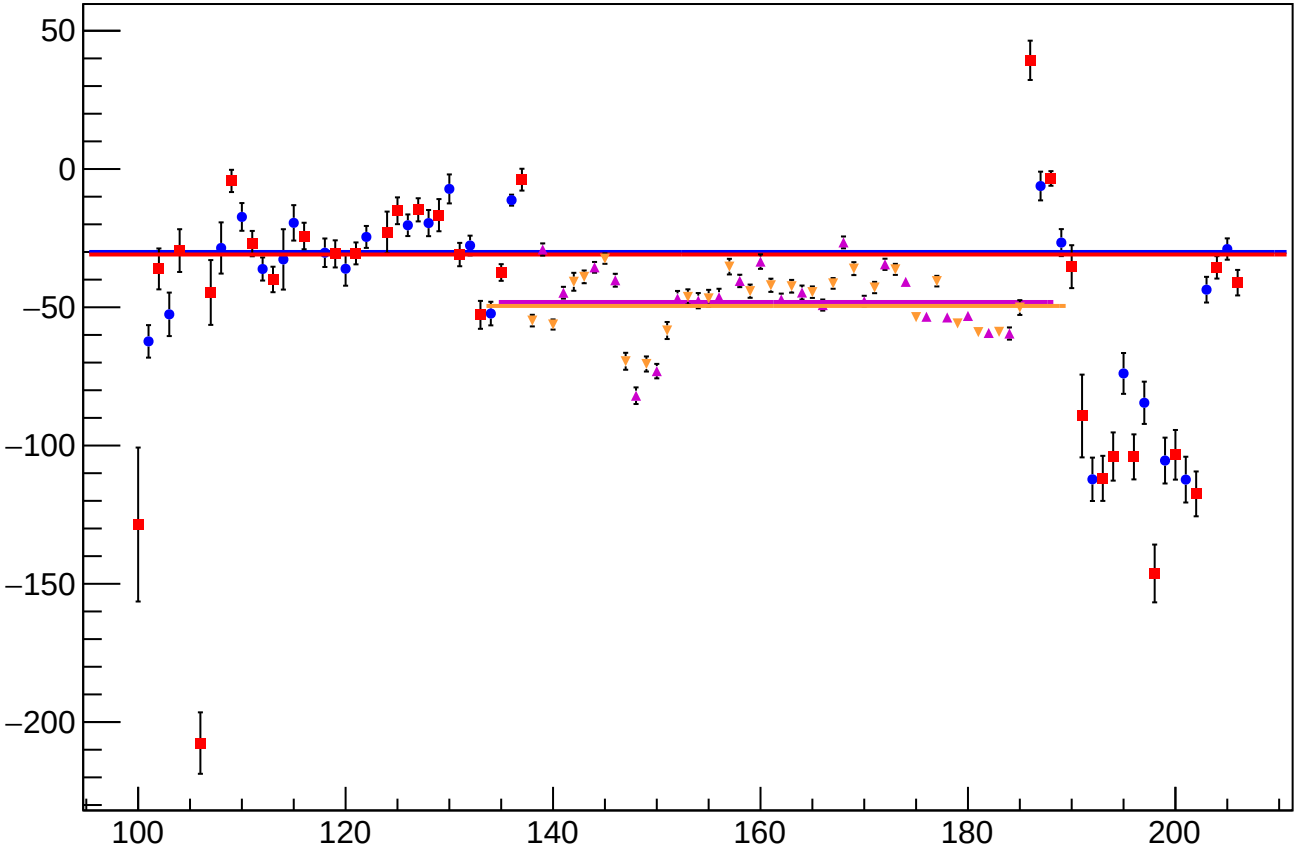
Left In: 0.478+/-0.003 χ^2/NDF:798.2/22

+ sign 0.461+/-0.002 χ^2/NDF: 1738.9/49

All: 0.455+/-0.002 χ^2/NDF: 4433.9/103

- sign 0.449+/-0.002 χ^2/NDF: 2682.6/53

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -29.999+/-0.945 χ^2/NDF: 607.4/24

Left Out: -49.516+/-0.402 χ^2/NDF:576.3/24

Right Out: -30.910+/-0.934 χ^2/NDF: 1198.7/30

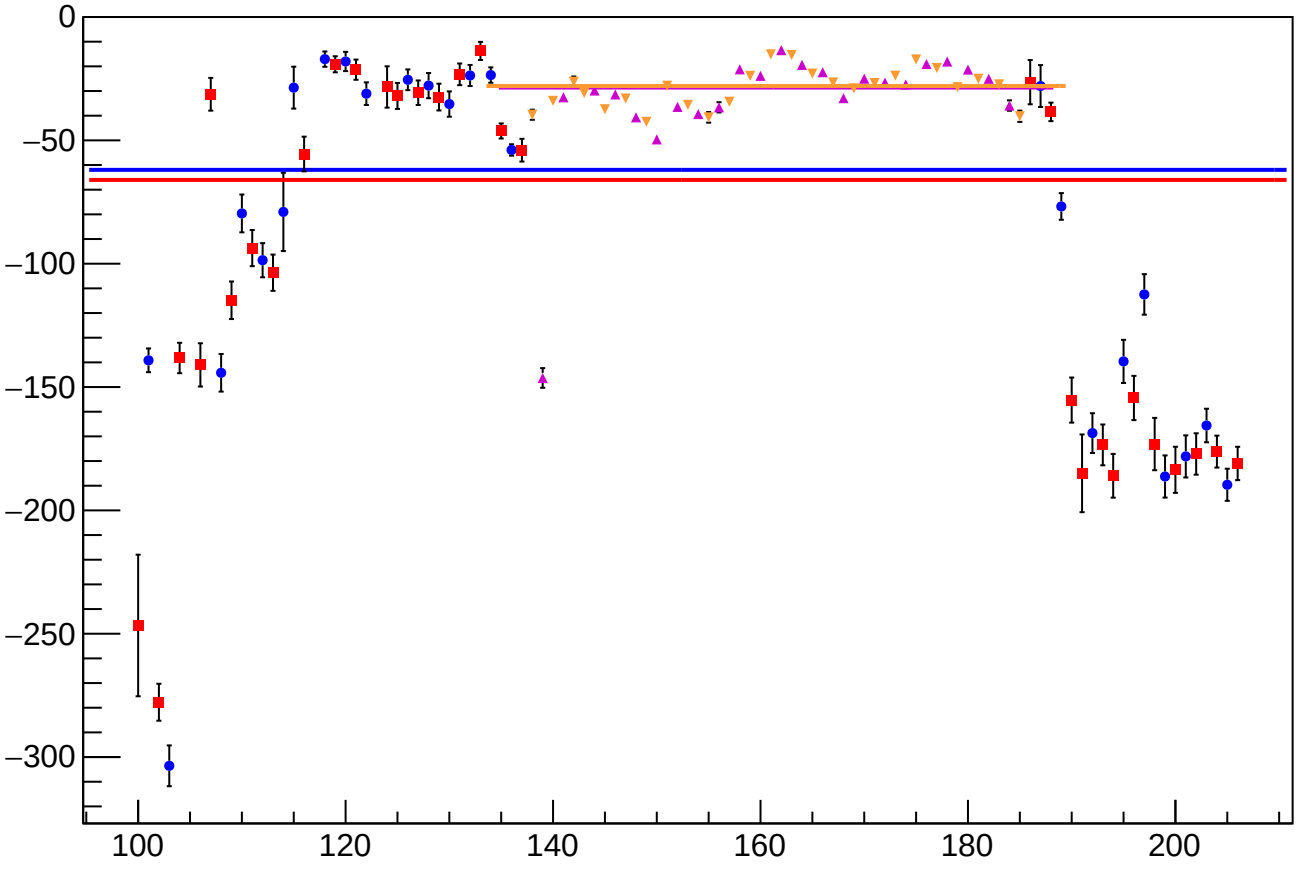
Left In: -48.087+/-0.418 χ^2/NDF:706.2/22

+ sign -46.519+/-0.370 χ^2/NDF: 1545.0/49

All: -45.888+/-0.266 χ^2/NDF: 3737.4/103

- sign -45.216+/-0.382 χ^2/NDF: 2186.4/53

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -61.956+/-1.006 χ^2/NDF: 3376.8/24

Left Out: -27.957+/-0.321 χ^2/NDF:497.7/24

Right Out: -66.035+/-1.034 χ^2/NDF: 3675.2/30

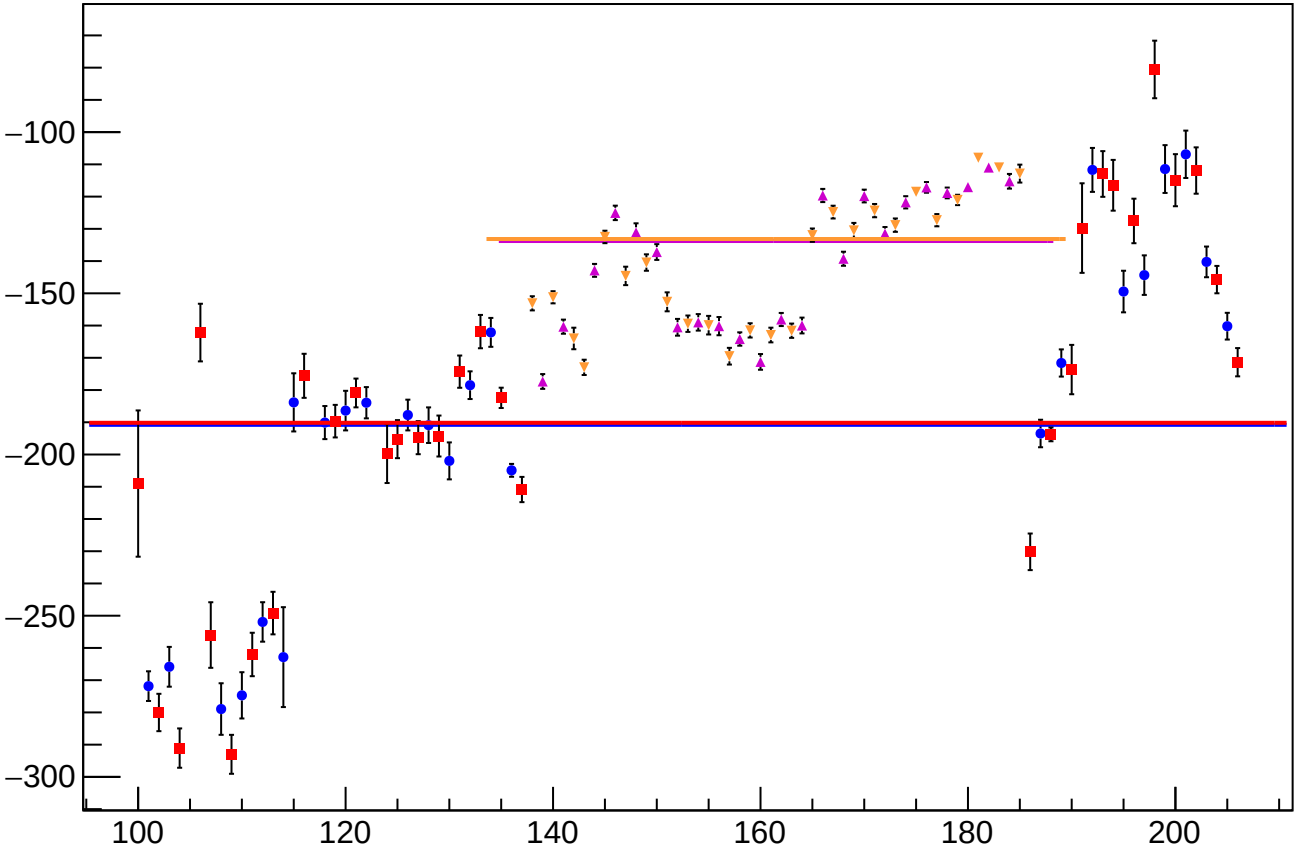
Left In: -28.592+/-0.334 χ^2/NDF:1480.6/22

\+ sign -31.103+/-0.306 χ^2/NDF: 4911.9/49

All: -31.594+/-0.220 χ^2/NDF: 11260.4/103

\- sign -32.122+/-0.317 χ^2/NDF: 6343.2/53

reg_asym_sam2_diff_bpm4eX_slope vs Slug



Right In: -190.791+/-0.979 χ^2/NDF: 1610.0/24

Left Out: -133.155+/-0.403 χ^2/NDF:2530.7/24

Right Out: -190.166+/-0.955 χ^2/NDF: 1984.2/30

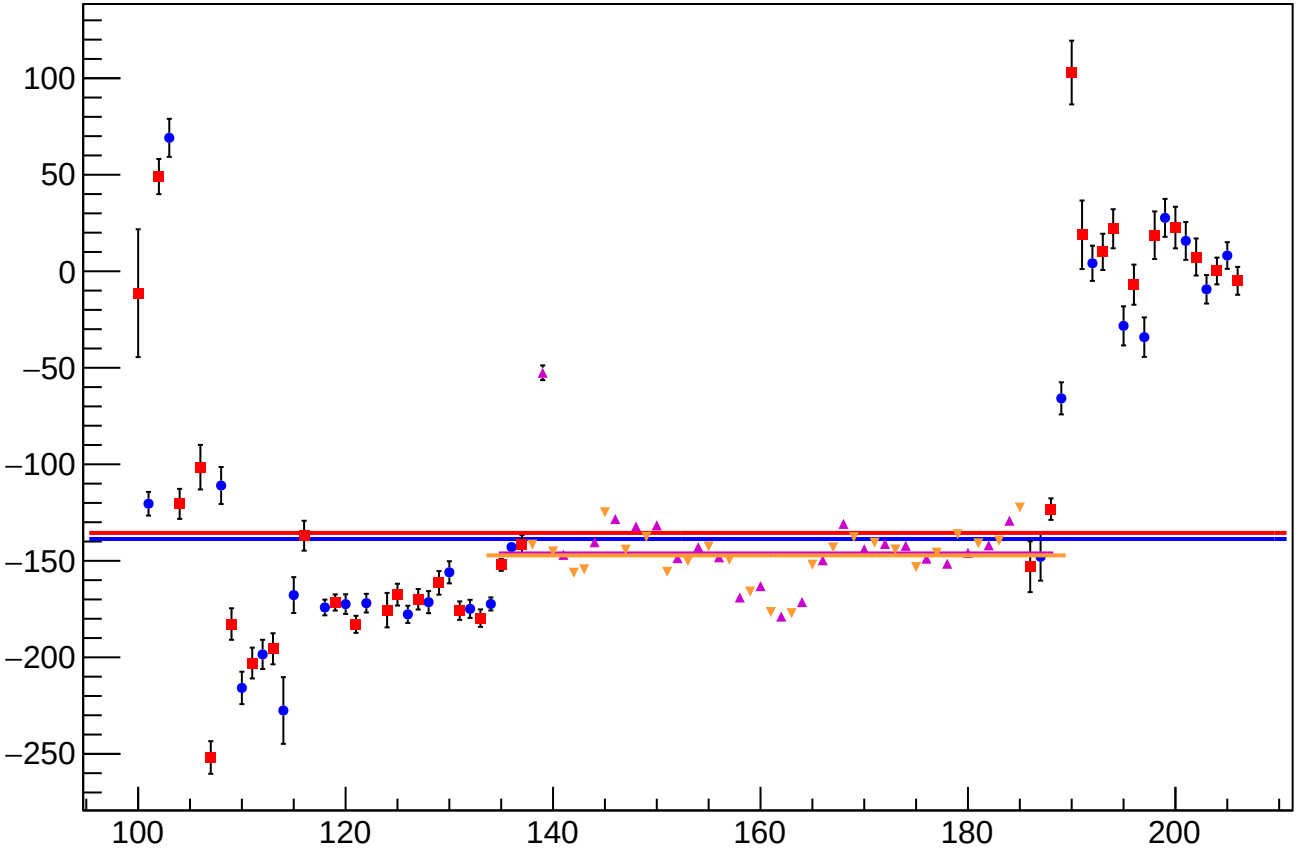
Left In: -133.777+/-0.417 χ^2/NDF:2440.7/22

+ sign -141.497+/-0.373 χ^2/NDF: 7102.3/49

All: -142.135+/-0.267 χ^2/NDF: 14461.1/103

- sign -142.805+/-0.382 χ^2/NDF: 7352.7/53

reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -138.690+/-1.134 χ^2/NDF: 2930.0/24

Left Out: -147.167+/-0.358 χ^2/NDF:1245.6/24

Right Out: -135.544+/-1.185 χ^2/NDF: 3514.0/30

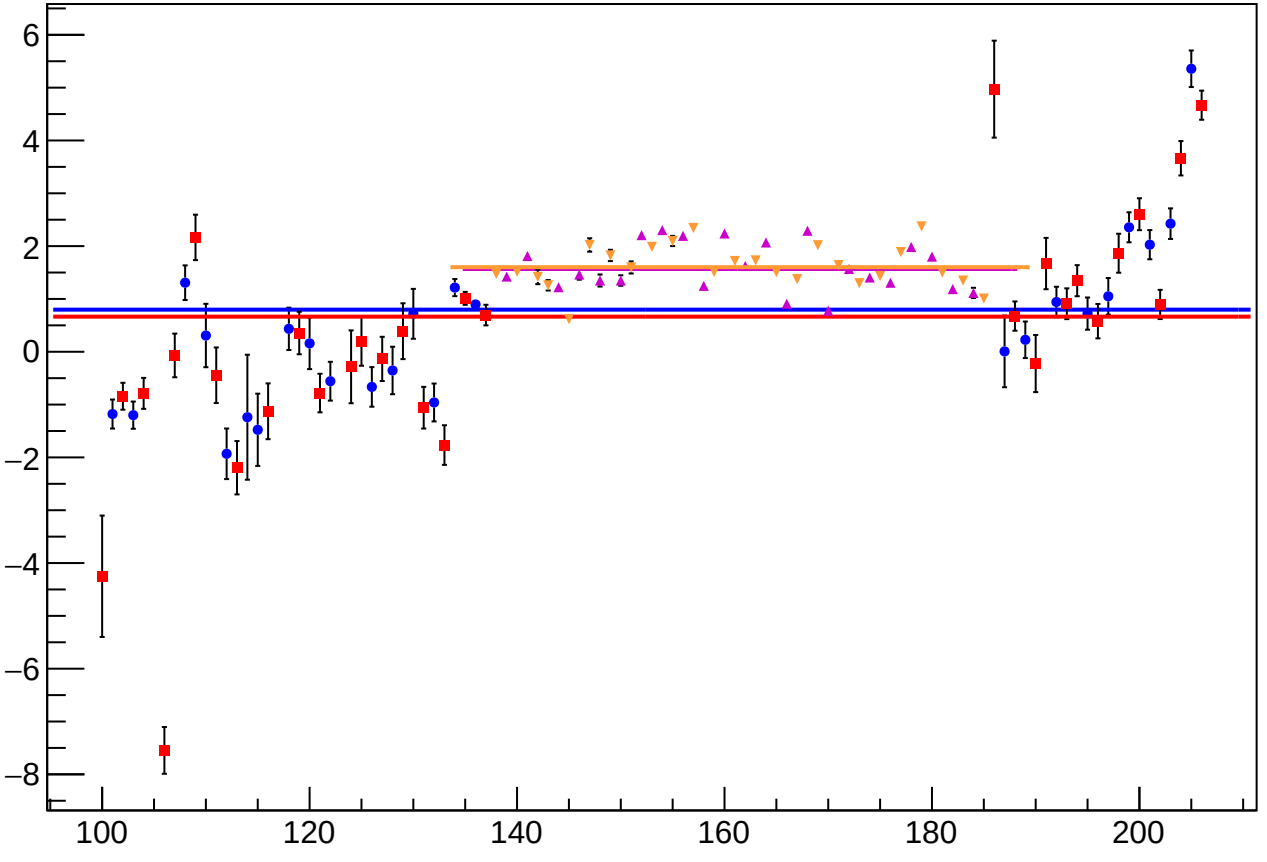
Left In: -146.173+/-0.371 χ^2/NDF:1793.8/22

\+ sign -146.398+/-0.341 χ^2/NDF: 4226.5/49

All: -145.833+/-0.246 χ^2/NDF: 9613.2/103

\- sign -145.227+/-0.354 χ^2/NDF: 5381.0/53

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 0.797+/-0.055 χ^2/NDF: 491.4/24

Left Out: 1.601+/-0.016 χ^2/NDF:581.8/24

Right Out: 0.665+/-0.058 χ^2/NDF: 961.5/30

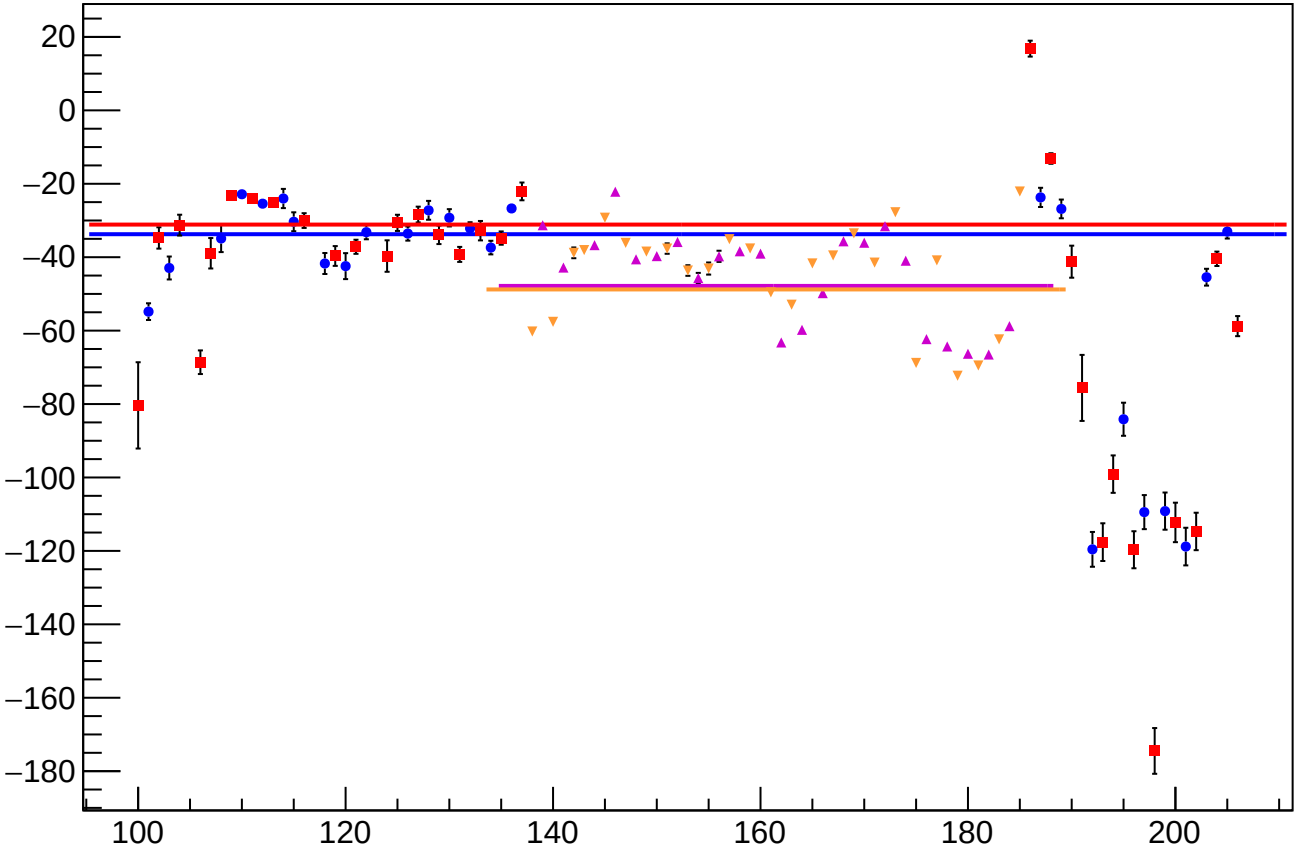
Left In: 1.567+/-0.016 χ^2/NDF:735.2/22

+ sign 1.539+/-0.015 χ^2/NDF: 1267.3/49

All: 1.520+/-0.011 χ^2/NDF: 3193.3/103

- sign 1.500+/-0.016 χ^2/NDF: 1922.9/53

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -33.735+/-0.424 χ^2/NDF: 1571.0/24

Left Out: -48.783+/-0.167 χ^2/NDF:8953.8/24

Right Out: -31.113+/-0.399 χ^2/NDF: 2935.6/30

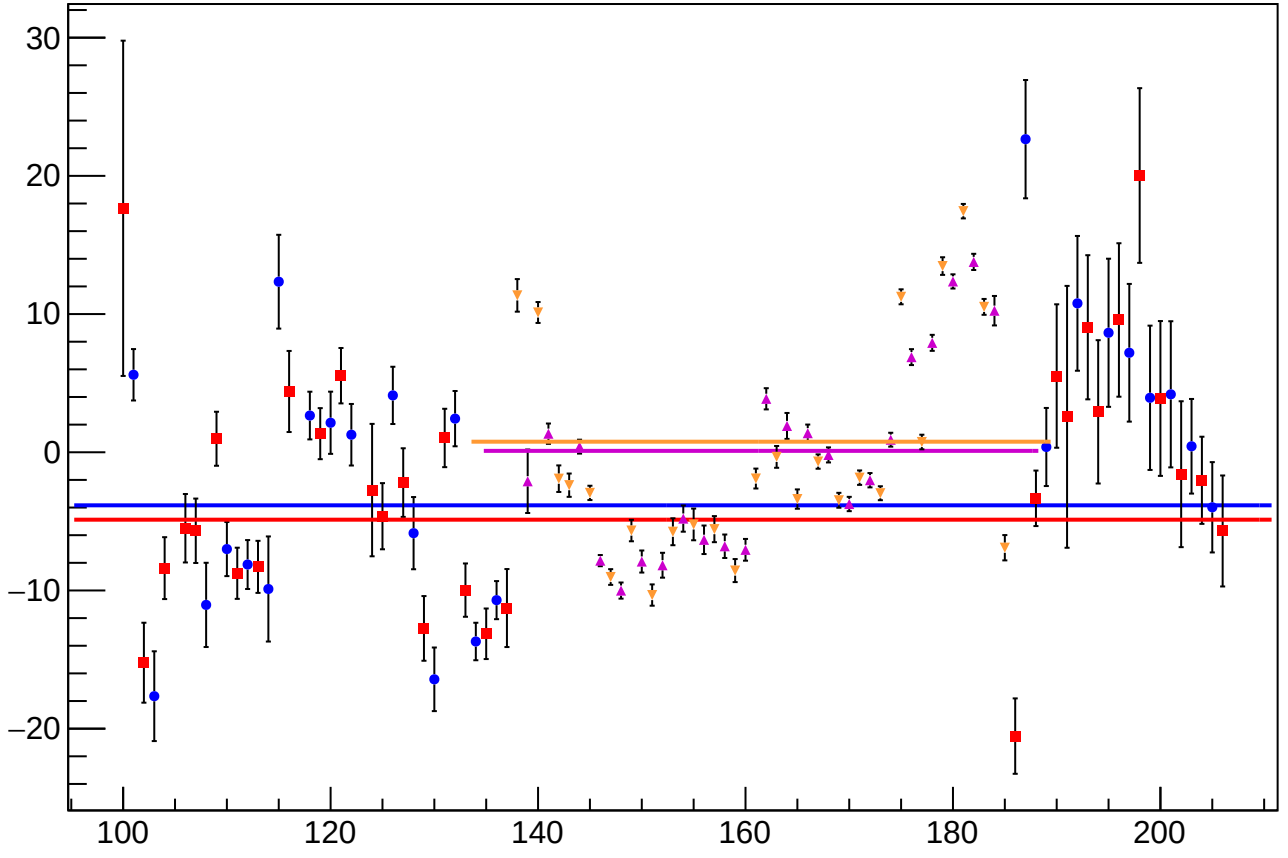
Left In: -47.822+/-0.170 χ^2/NDF:7223.0/22

+ sign -46.770+/-0.155 χ^2/NDF: 11614.1/49

All: -46.016+/-0.110 χ^2/NDF: 23307.7/103

- sign -45.250+/-0.156 χ^2/NDF: 11646.0/53

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.839+/-0.477 χ^2/NDF: 308.3/24

Left Out: 0.765+/-0.132 χ^2/NDF:3467.2/24

Right Out: -4.878+/-0.475 χ^2/NDF: 210.5/30

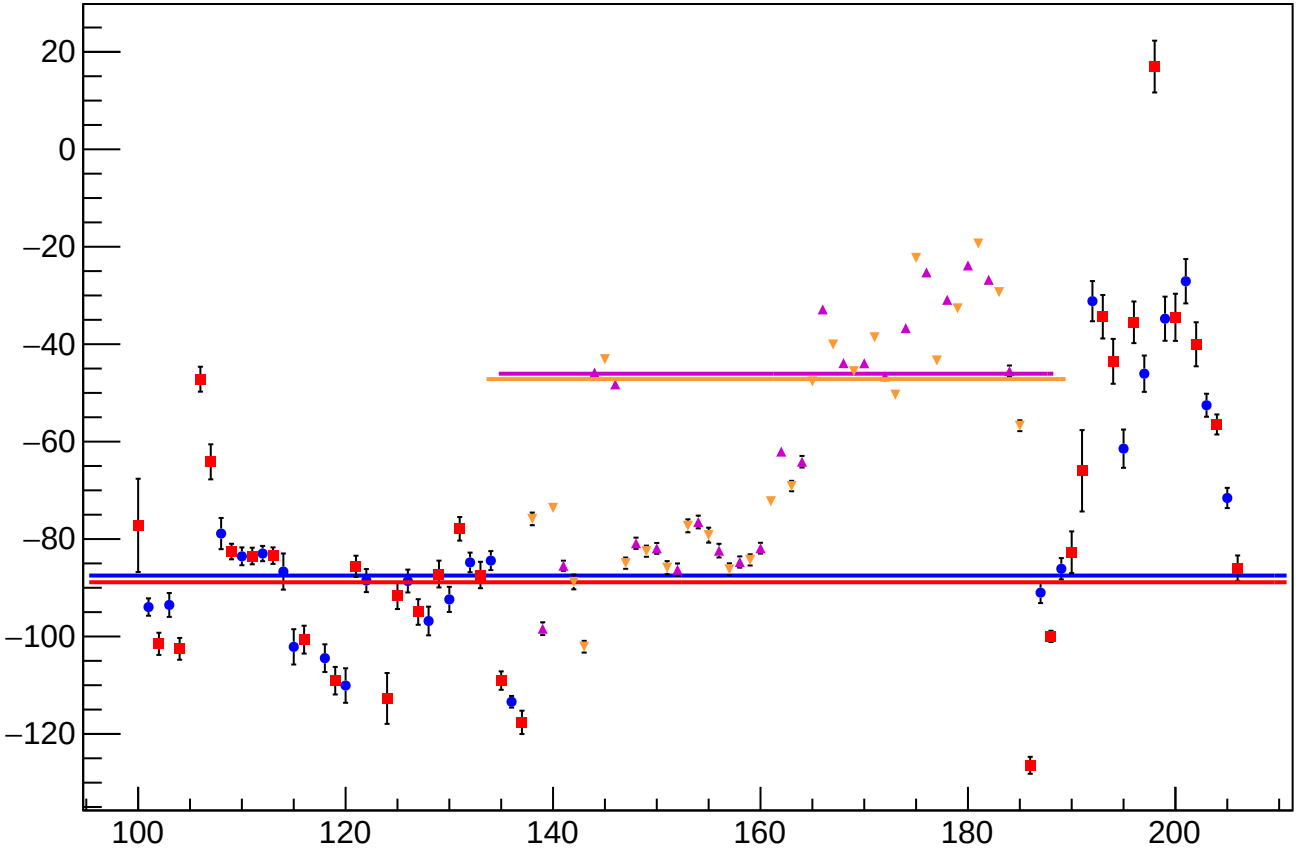
Left In: 0.102+/-0.133 χ^2/NDF:2721.8/22

+ sign 0.436+/-0.127 χ^2/NDF: 3862.1/49

All: 0.089+/-0.090 χ^2/NDF: 6911.4/103

- sign -0.260+/-0.128 χ^2/NDF: 3034.4/53

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -87.490+/-0.466 χ^2/NDF: 1566.3/24

Left Out: -47.167+/-0.168 χ^2/NDF:17658.5/24

Right Out: -88.867+/-0.439 χ^2/NDF: 2652.3/30

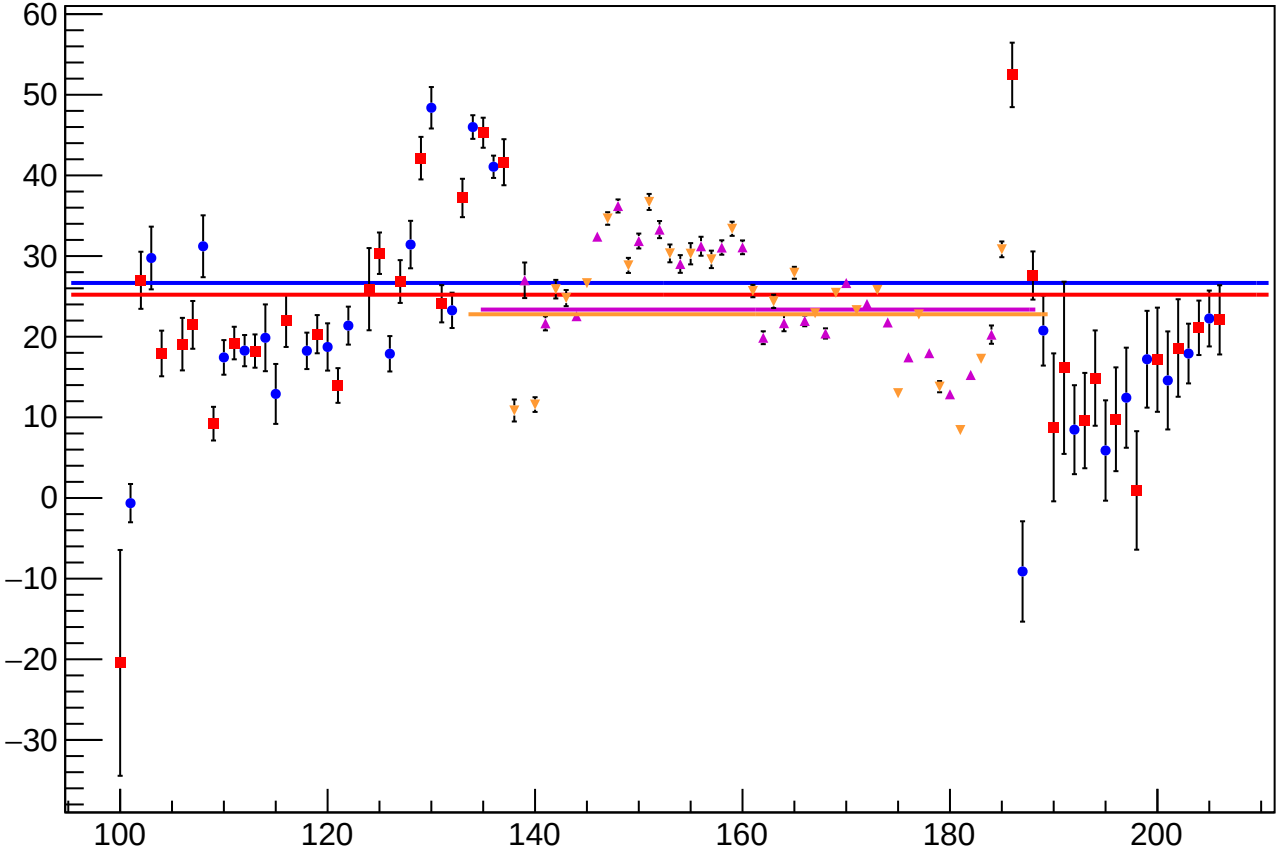
Left In: -46.058+/-0.170 χ^2/NDF:14769.8/22

+ sign -51.775+/-0.158 χ^2/NDF: 25844.3/49

All: -51.718+/-0.112 χ^2/NDF: 51548.1/103

- sign -51.659+/-0.159 χ^2/NDF: 25703.4/53

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 26.665+/-0.537 χ^2/NDF: 665.0/24

Left Out: 22.782+/-0.147 χ^2/NDF:2412.9/24

Right Out: 25.208+/-0.546 χ^2/NDF: 437.4/30

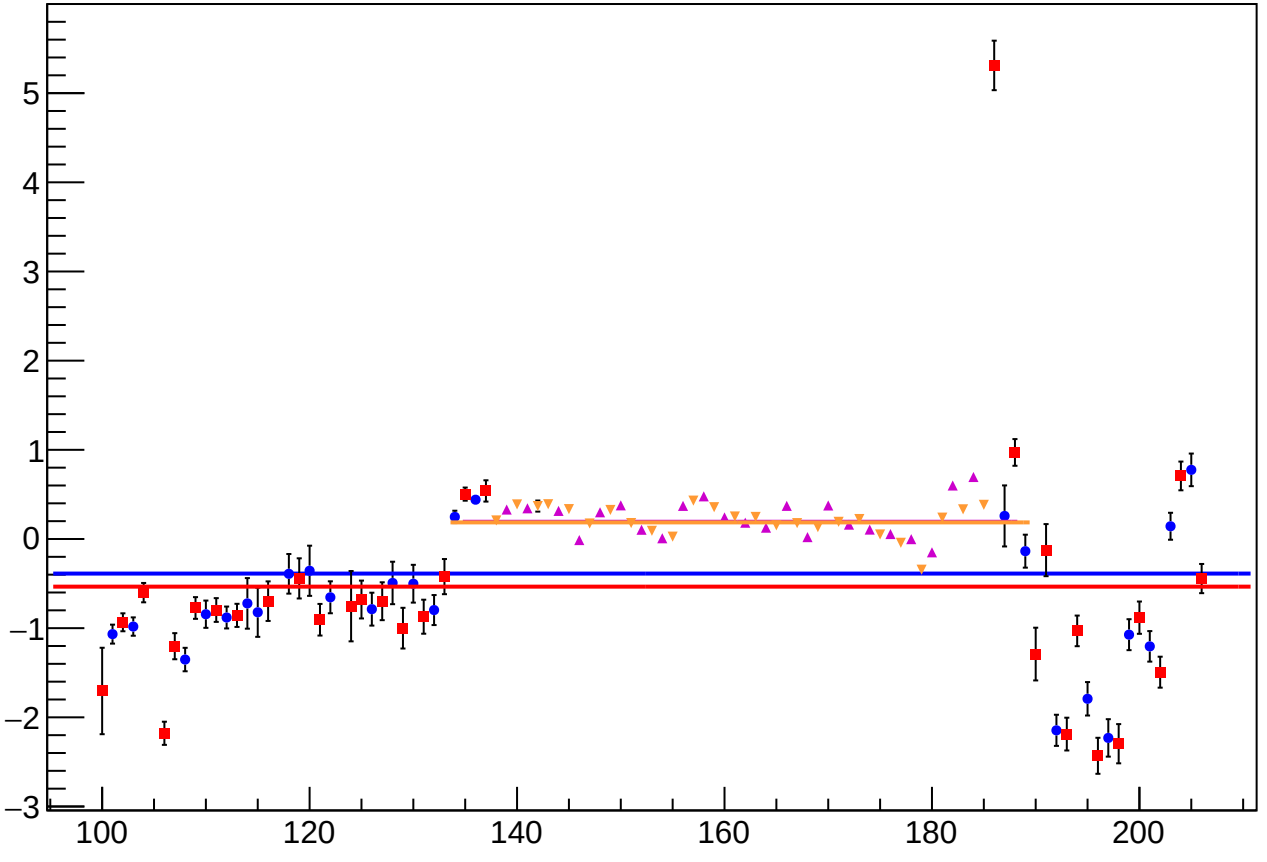
Left In: 23.366+/-0.149 χ^2/NDF:1785.4/22

+ sign 23.054+/-0.142 χ^2/NDF: 3126.5/49

All: 23.271+/-0.101 χ^2/NDF: 5364.6/103

- sign 23.493+/-0.144 χ^2/NDF: 2233.3/53

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.388+/-0.027 χ^2/NDF: 799.9/24

Left Out: 0.186+/-0.007 χ^2/NDF:645.7/24

Right Out: -0.534+/-0.028 χ^2/NDF: 1398.9/30

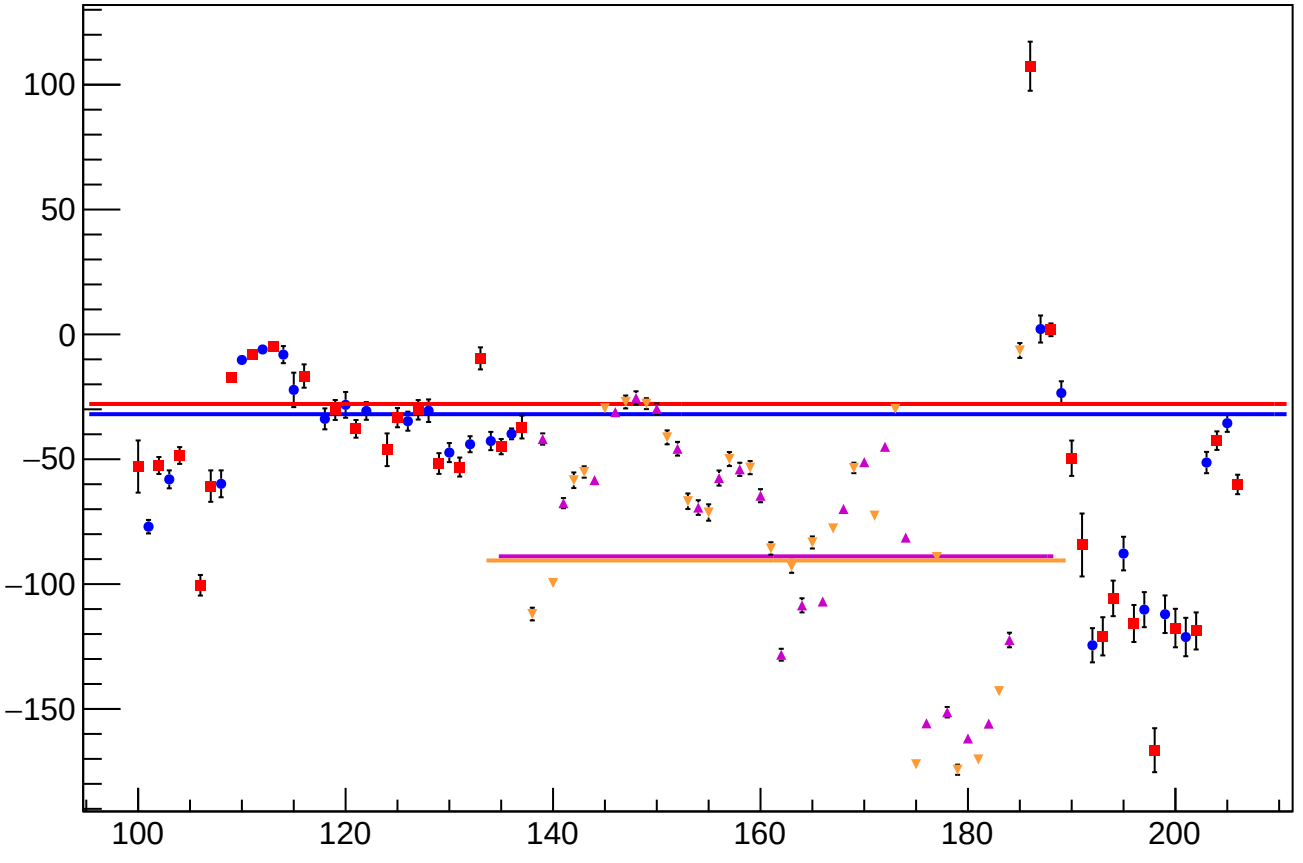
Left In: 0.193+/-0.007 χ^2/NDF:938.2/22

+ sign 0.155+/-0.006 χ^2/NDF: 1859.4/49

All: 0.155+/-0.005 χ^2/NDF: 4826.0/103

- sign 0.155+/-0.006 χ^2/NDF: 2966.6/53

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -31.955+/-0.674 χ^2/NDF: 1612.8/24

Left Out: -90.534+/-0.421 χ^2/NDF:15358.6/24

Right Out: -27.862+/-0.608 χ^2/NDF: 2395.6/30

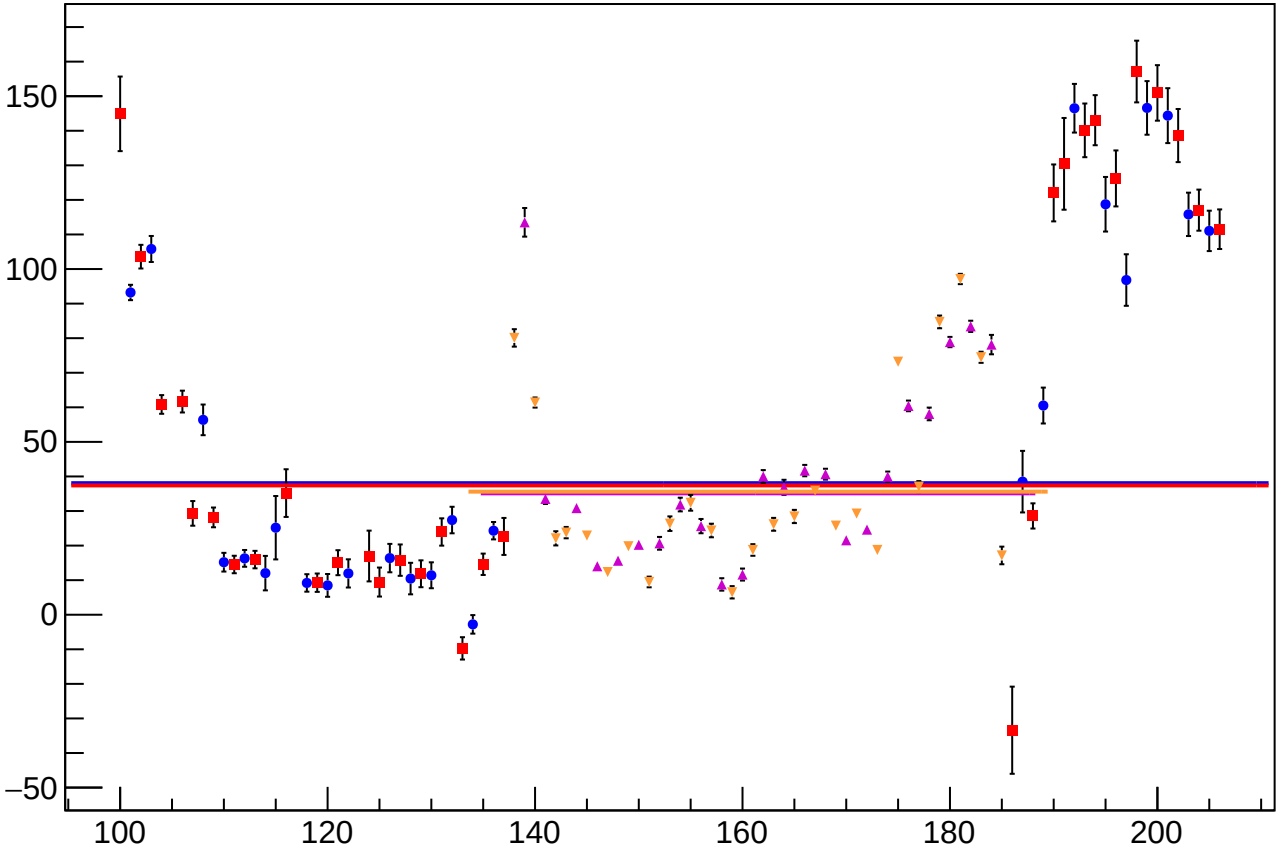
Left In: -88.888+/-0.435 χ^2/NDF:11815.7/22

\+ sign -74.063+/-0.357 χ^2/NDF: 22407.7/49

All: -71.125+/-0.251 χ^2/NDF: 43425.0/103

\- sign -68.247+/-0.353 χ^2/NDF: 20883.3/53

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 38.054+/-0.761 χ^2/NDF: 2883.0/24

Left Out: 35.612+/-0.326 χ^2/NDF:5973.0/24

Right Out: 37.408+/-0.739 χ^2/NDF: 2932.7/30

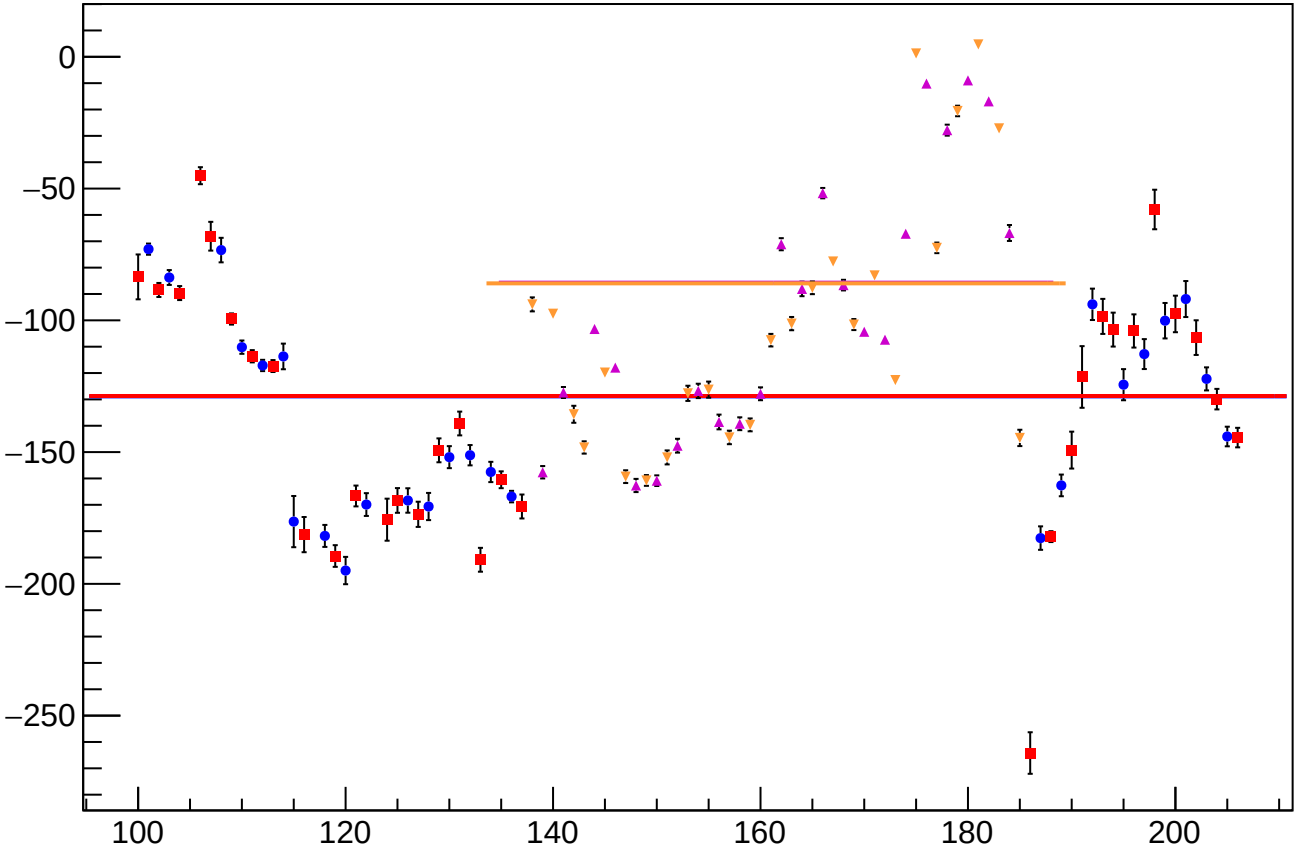
Left In: 35.112+/-0.336 χ^2/NDF:4144.4/22

+ sign 35.990+/-0.299 χ^2/NDF: 8864.8/49

All: 35.753+/-0.214 χ^2/NDF: 15951.2/103

- sign 35.506+/-0.306 χ^2/NDF: 7085.1/53

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -128.857+/-0.741 χ^2/NDF: 2504.9/24

Left Out: -85.969+/-0.421 χ^2/NDF:16232.5/24

Right Out: -128.715+/-0.686 χ^2/NDF: 3652.5/30

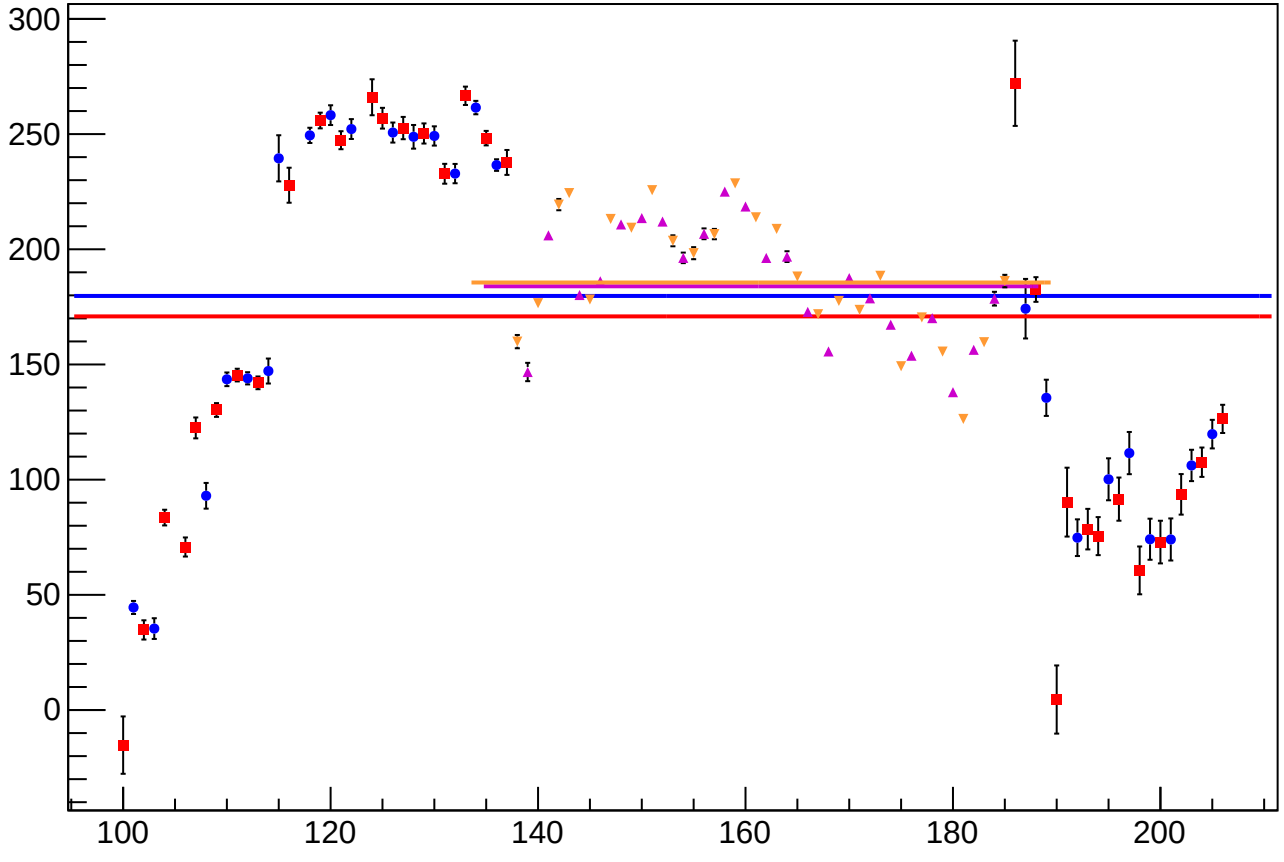
Left In: -85.705+/-0.432 χ^2/NDF:13758.7/22

+ sign -96.419+/-0.366 χ^2/NDF: 21268.3/49

All: -97.174+/-0.259 χ^2/NDF: 41498.8/103

- sign -97.928+/-0.366 χ^2/NDF: 20222.0/53

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 179.746+/-0.870 χ^2/NDF: 8023.5/24

Left Out: 185.583+/-0.367 χ^2/NDF:5354.7/24

Right Out: 170.870+/-0.850 χ^2/NDF: 7707.1/30

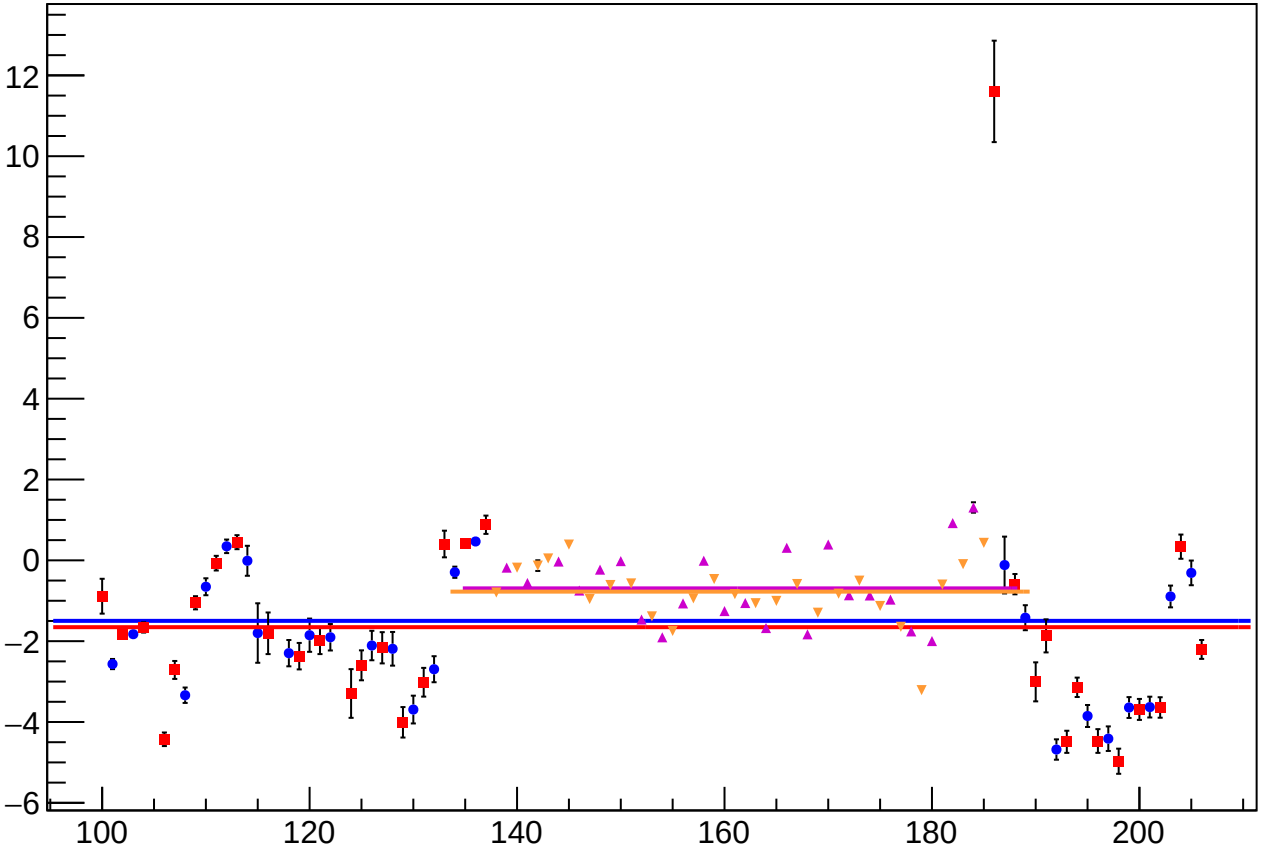
Left In: 183.940+/-0.378 χ^2/NDF:3873.5/22

+ sign 184.703+/-0.338 χ^2/NDF: 13416.4/49

All: 183.275+/-0.241 χ^2/NDF: 25230.9/103

- sign 181.785+/-0.345 χ^2/NDF: 11778.0/53

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.497+/-0.043 χ^2/NDF: 1329.9/24

Left Out: -0.774+/-0.016 χ^2/NDF:1822.9/24

Right Out: -1.654+/-0.041 χ^2/NDF: 1719.1/30

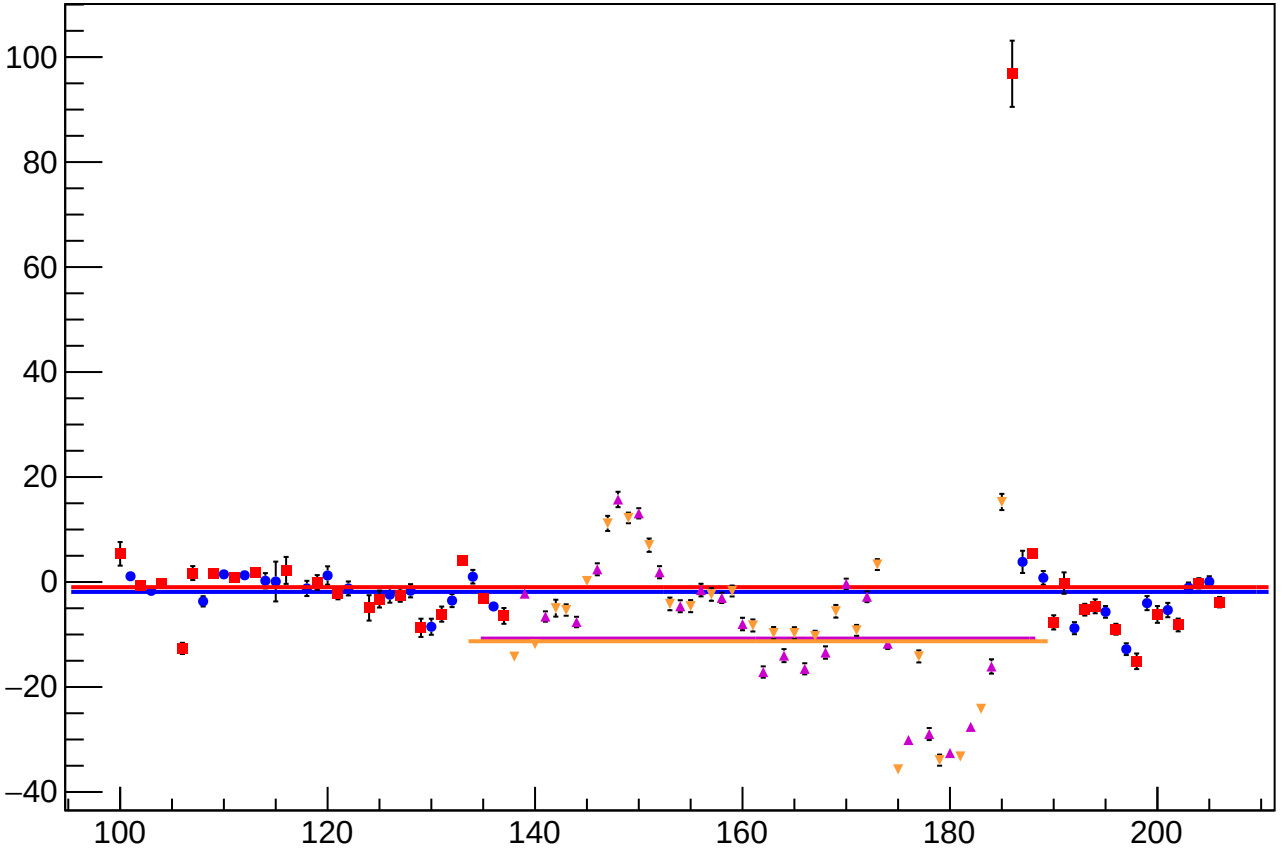
Left In: -0.694+/-0.017 χ^2/NDF:2565.3/22

+ sign -0.866+/-0.015 χ^2/NDF: 3399.8/49

All: -0.848+/-0.011 χ^2/NDF: 8149.1/103

- sign -0.829+/-0.016 χ^2/NDF: 4746.4/53

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -1.888+/-0.214 χ^2/NDF: 283.1/24

Left Out: -11.283+/-0.208 χ^2/NDF:4500.3/24

Right Out: -0.981+/-0.185 χ^2/NDF: 890.4/30

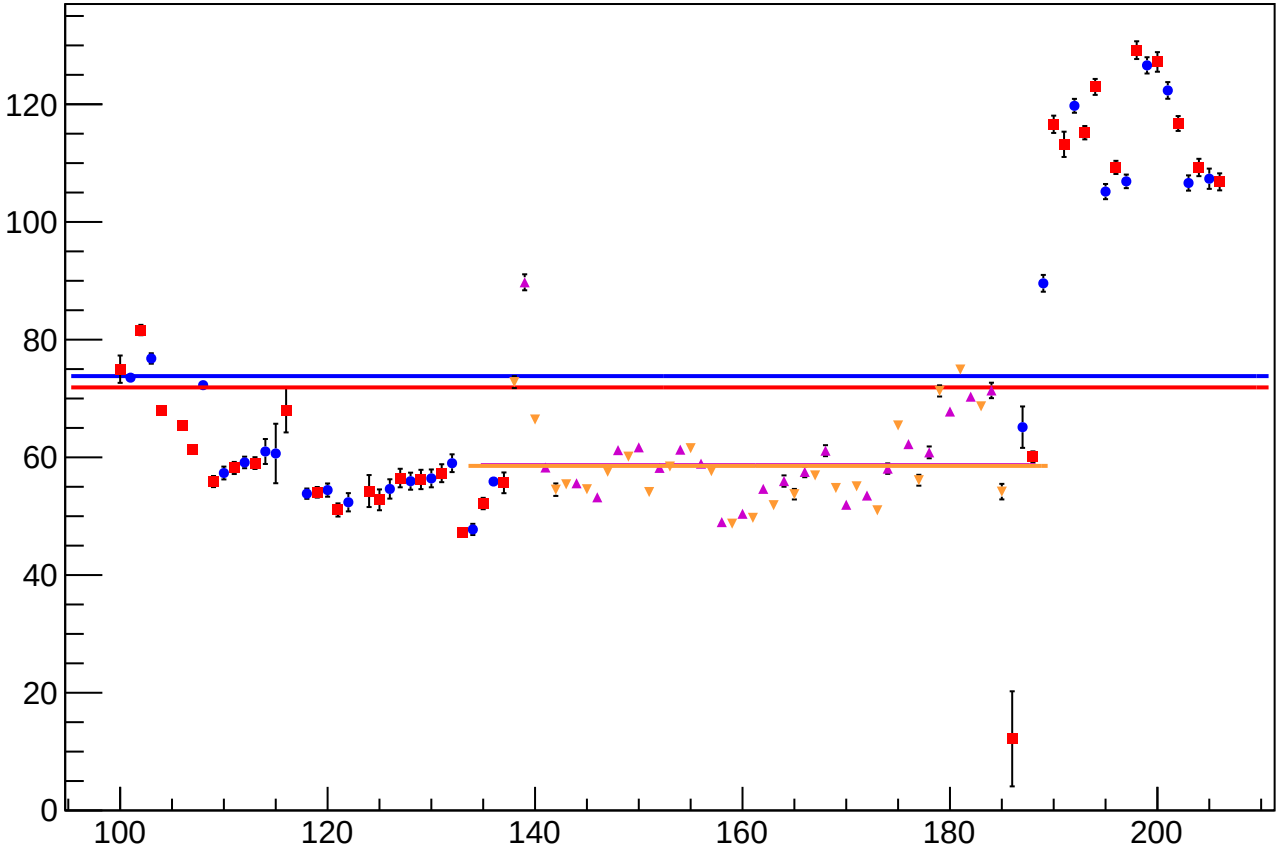
Left In: -10.776+/-0.213 χ^2/NDF:3699.2/22

+ sign -6.722+/-0.149 χ^2/NDF: 5774.2/49

All: -5.899+/-0.102 χ^2/NDF: 11625.6/103

- sign -5.177+/-0.140 χ^2/NDF: 5794.2/53

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 73.806+/-0.231 χ^2/NDF: 9957.5/24

Left Out: 58.550+/-0.161 χ^2/NDF:1902.5/24

Right Out: 71.887+/-0.208 χ^2/NDF: 14651.1/30

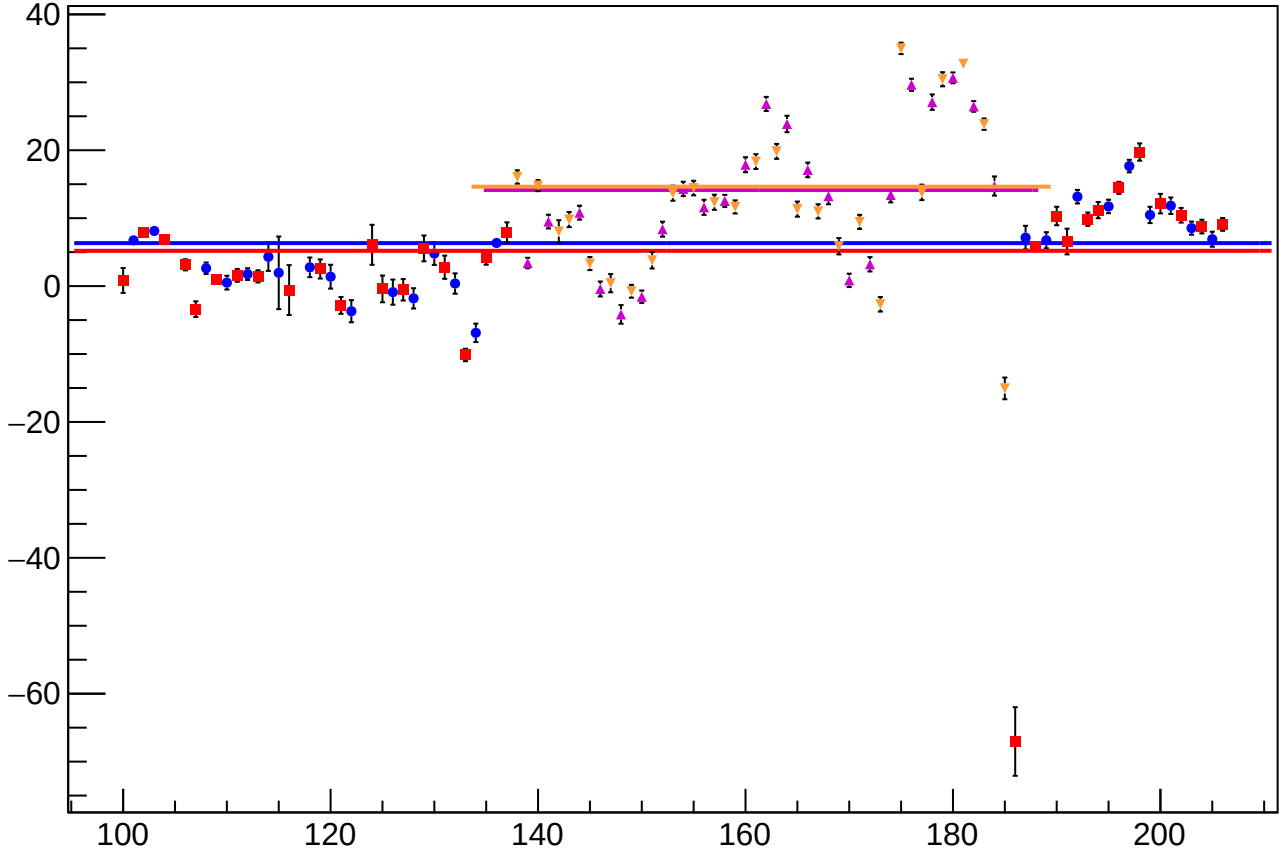
Left In: 58.679+/-0.168 χ^2/NDF:1613.4/22

+ sign 63.554+/-0.132 χ^2/NDF: 14799.3/49

All: 63.735+/-0.093 χ^2/NDF: 33506.2/103

- sign 63.913+/-0.131 χ^2/NDF: 18703.2/53

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 6.327+/-0.215 χ^2/NDF: 562.0/24

Left Out: 14.634+/-0.207 χ^2/NDF:2962.1/24

Right Out: 5.196+/-0.188 χ^2/NDF: 1100.2/30

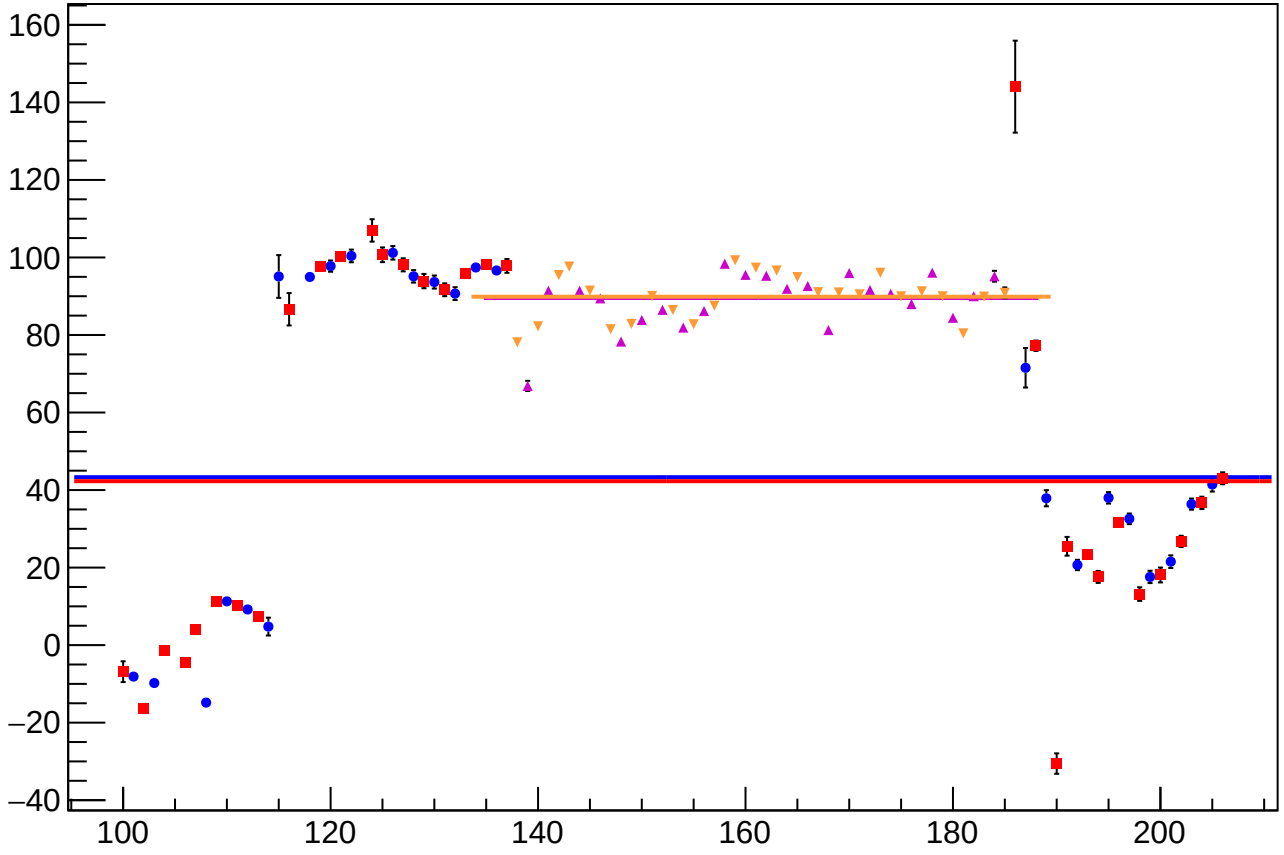
Left In: 14.146+/-0.211 χ^2/NDF:2541.2/22

+ sign 10.640+/-0.149 χ^2/NDF: 4300.7/49

All: 9.846+/-0.102 χ^2/NDF: 8998.9/103

- sign 9.142+/-0.140 χ^2/NDF: 4644.6/53

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 43.322+/-0.268 χ^2/NDF: 27931.9/24

Left Out: 89.875+/-0.181 χ^2/NDF:1065.4/24

Right Out: 42.286+/-0.244 χ^2/NDF: 31737.3/30

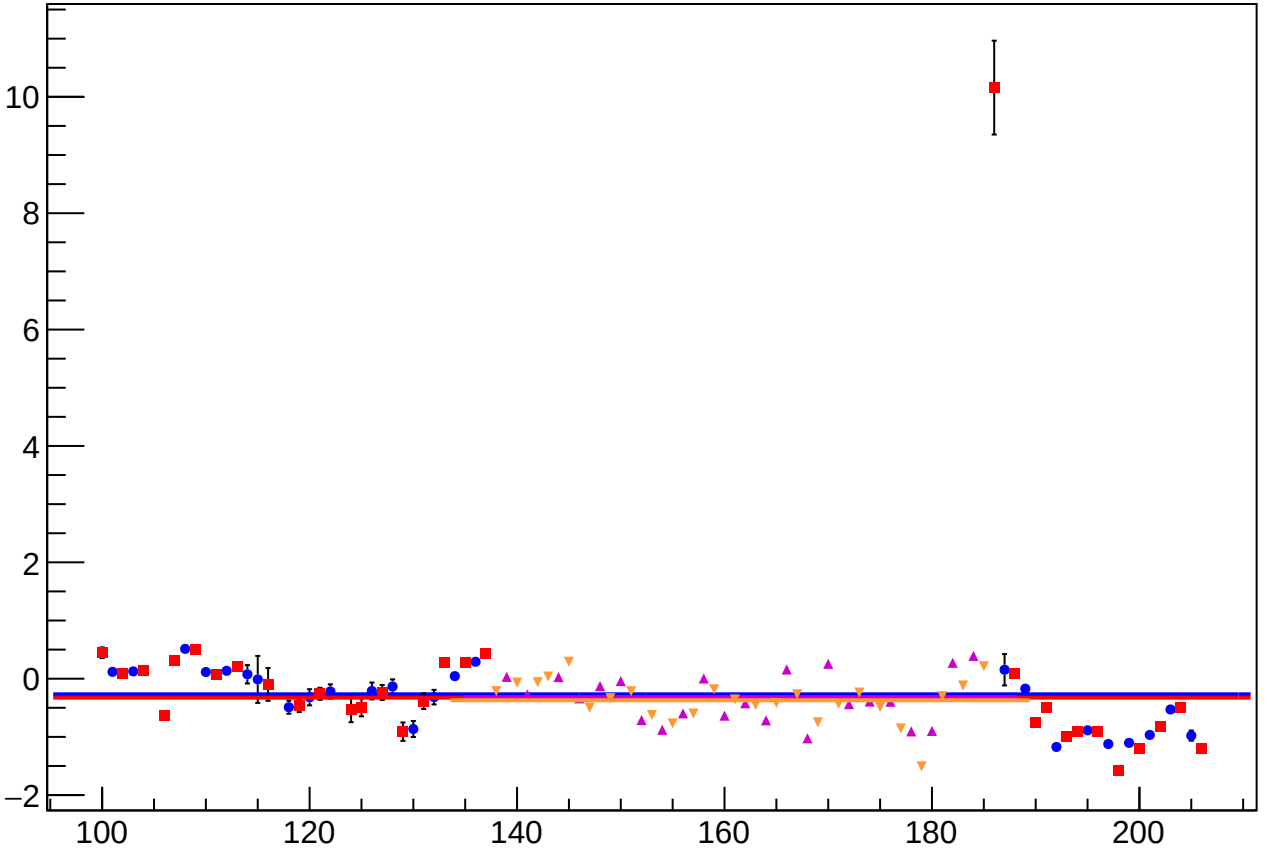
Left In: 89.541+/-0.188 χ^2/NDF:1095.3/22

+ sign 75.290+/-0.150 χ^2/NDF: 49717.1/49

All: 73.643+/-0.106 χ^2/NDF: 106326.9/103

- sign 72.024+/-0.149 χ^2/NDF: 56370.8/53

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.268+/-0.011 χ^2/NDF: 2953.2/24

Left Out: -0.371+/-0.008 χ^2/NDF:1769.5/24

Right Out: -0.325+/-0.010 χ^2/NDF: 3684.8/30

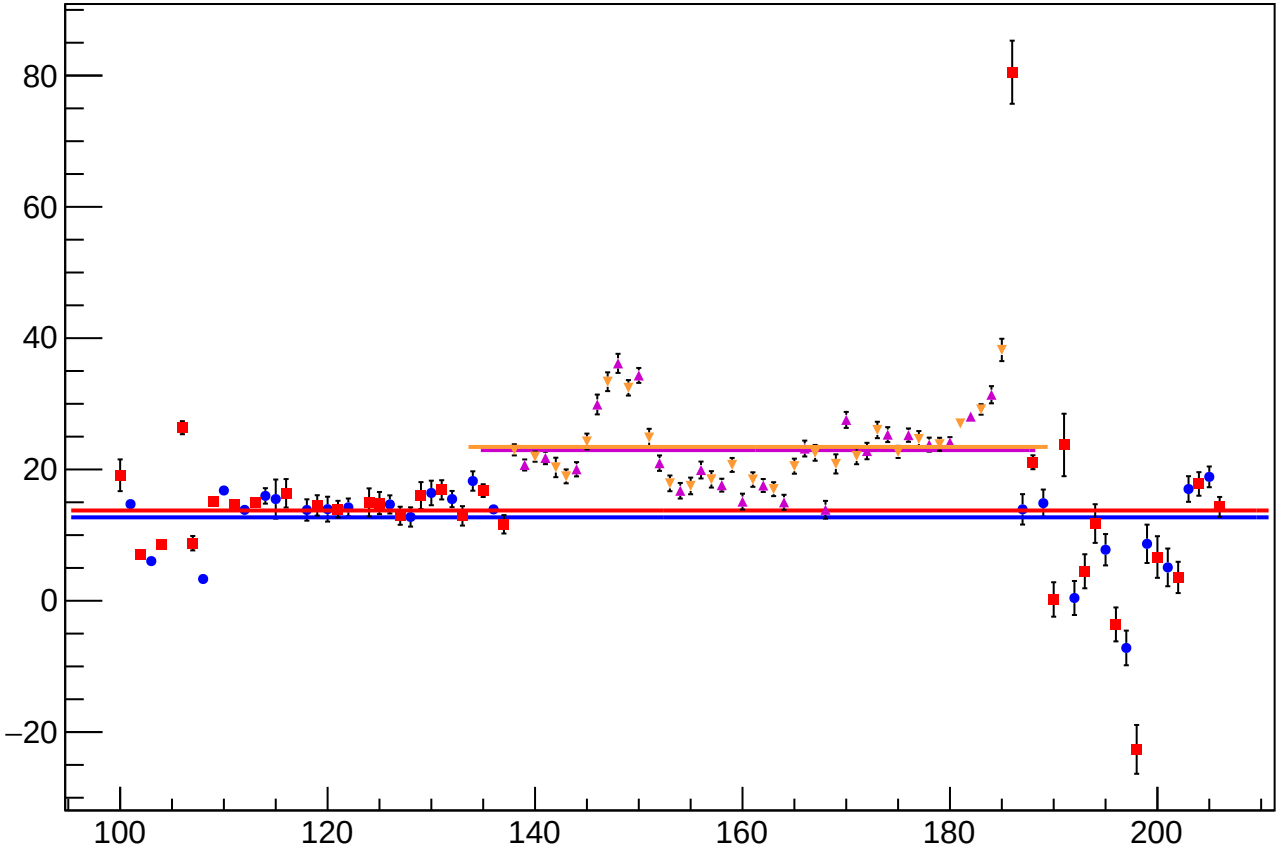
Left In: -0.319+/-0.008 χ^2/NDF:2441.1/22

+ sign -0.335+/-0.006 χ^2/NDF: 4779.3/49

All: -0.328+/-0.005 χ^2/NDF: 10907.6/103

- sign -0.322+/-0.006 χ^2/NDF: 6126.2/53

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 12.708+/-0.206 χ^2/NDF: 502.3/24

Left Out: 23.431+/-0.216 χ^2/NDF:427.8/24

Right Out: 13.753+/-0.194 χ^2/NDF: 858.6/30

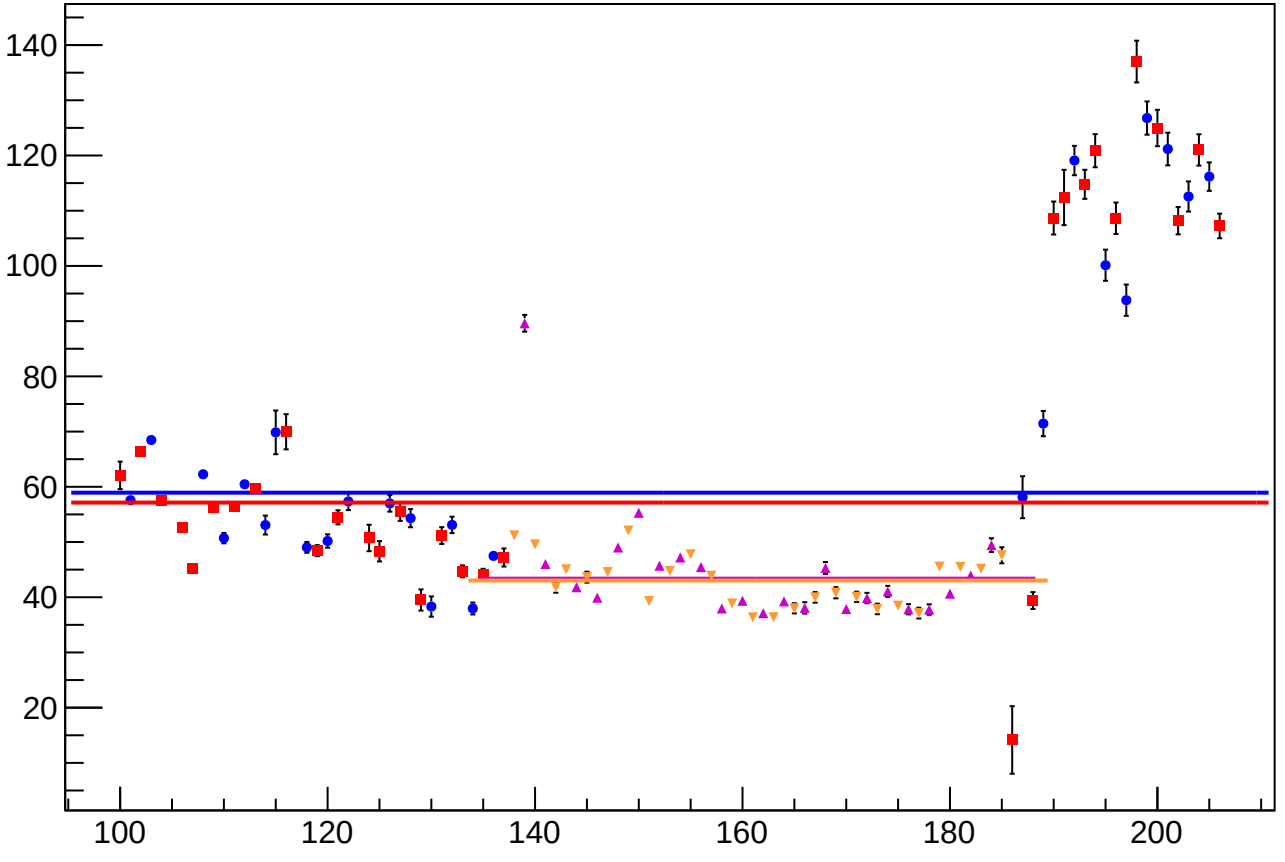
Left In: 22.949+/-0.225 χ^2/NDF:565.2/22

+ sign 17.813+/-0.149 χ^2/NDF: 2223.1/49

All: 17.736+/-0.105 χ^2/NDF: 4604.9/103

- sign 17.661+/-0.147 χ^2/NDF: 2381.2/53

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 58.935+/-0.216 χ^2/NDF: 3948.5/24

Left Out: 43.029+/-0.167 χ^2/NDF:780.7/24

Right Out: 57.144+/-0.216 χ^2/NDF: 5353.8/30

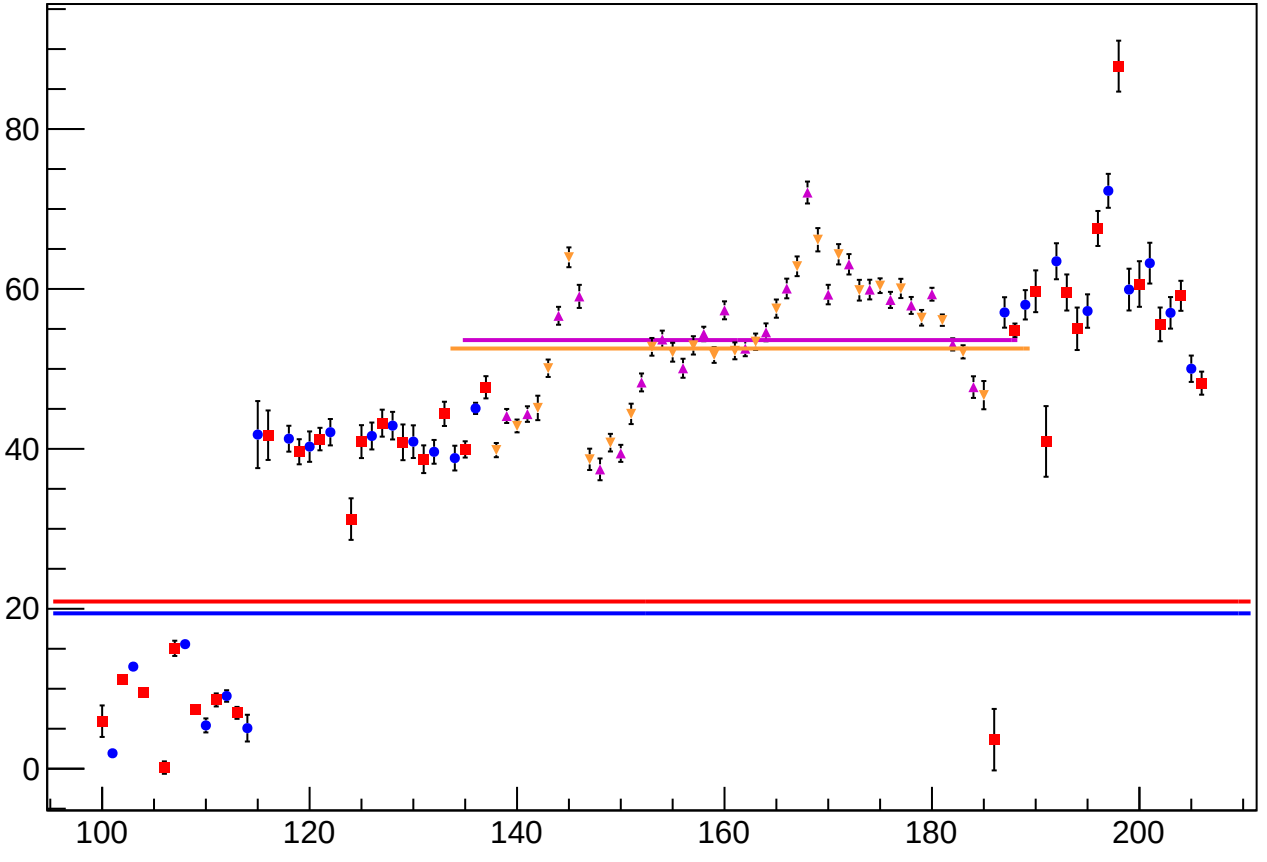
Left In: 43.361+/-0.177 χ^2/NDF:1683.3/22

+ sign 49.002+/-0.132 χ^2/NDF: 8123.8/49

All: 48.955+/-0.095 χ^2/NDF: 17598.8/103

- sign 48.906+/-0.137 χ^2/NDF: 9474.7/53

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 19.429+/-0.204 χ^2/NDF: 8906.9/24

Left Out: 52.550+/-0.215 χ^2/NDF:1186.2/24

Right Out: 20.909+/-0.203 χ^2/NDF: 8962.6/30

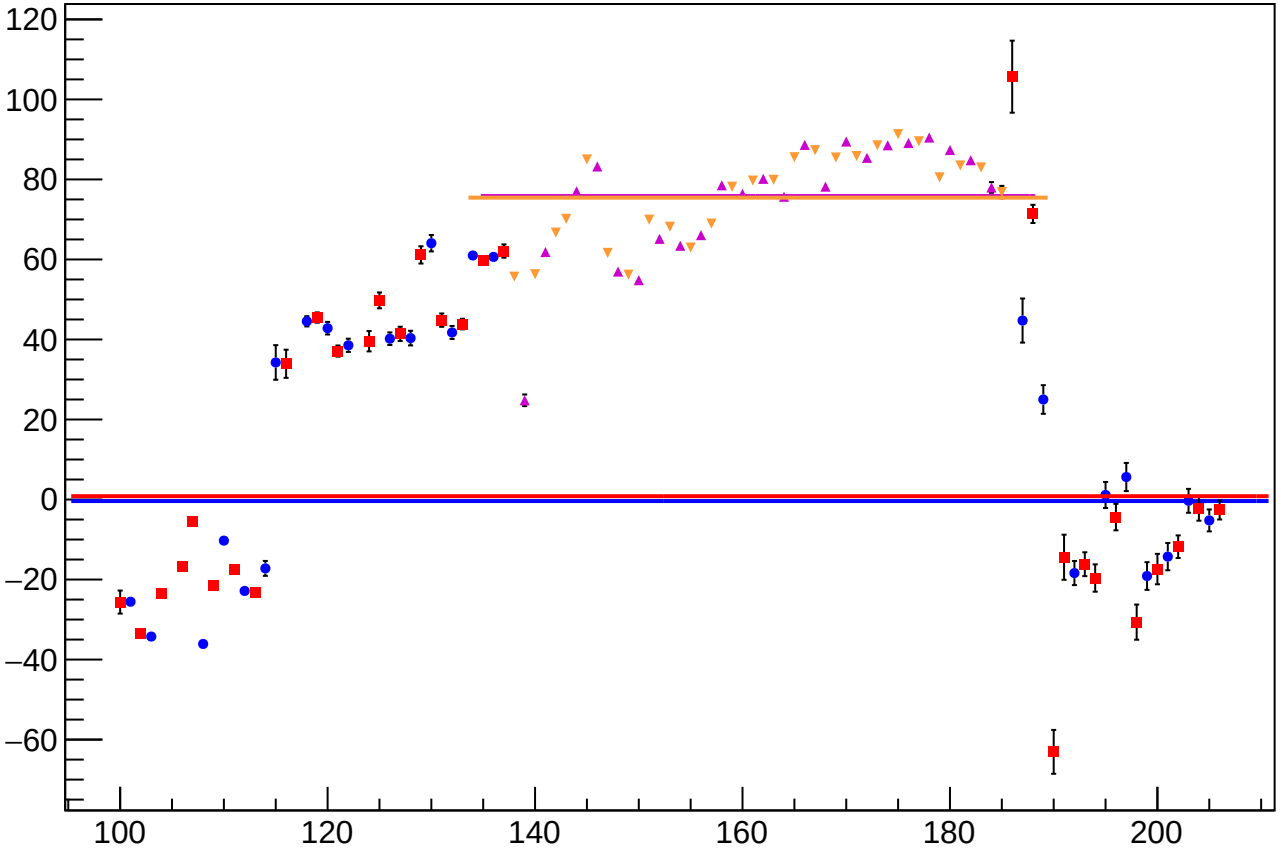
Left In: 53.605+/-0.223 χ^2/NDF:1015.9/22

+ sign 35.168+/-0.148 χ^2/NDF: 22595.7/49

All: 35.454+/-0.105 χ^2/NDF: 44332.1/103

- sign 35.749+/-0.150 χ^2/NDF: 21728.8/53

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: -0.384+/-0.254 χ^2/NDF: 21236.2/24

Left Out: 75.448+/-0.188 χ^2/NDF:3469.1/24

Right Out: 0.829+/-0.254 χ^2/NDF: 17440.6/30

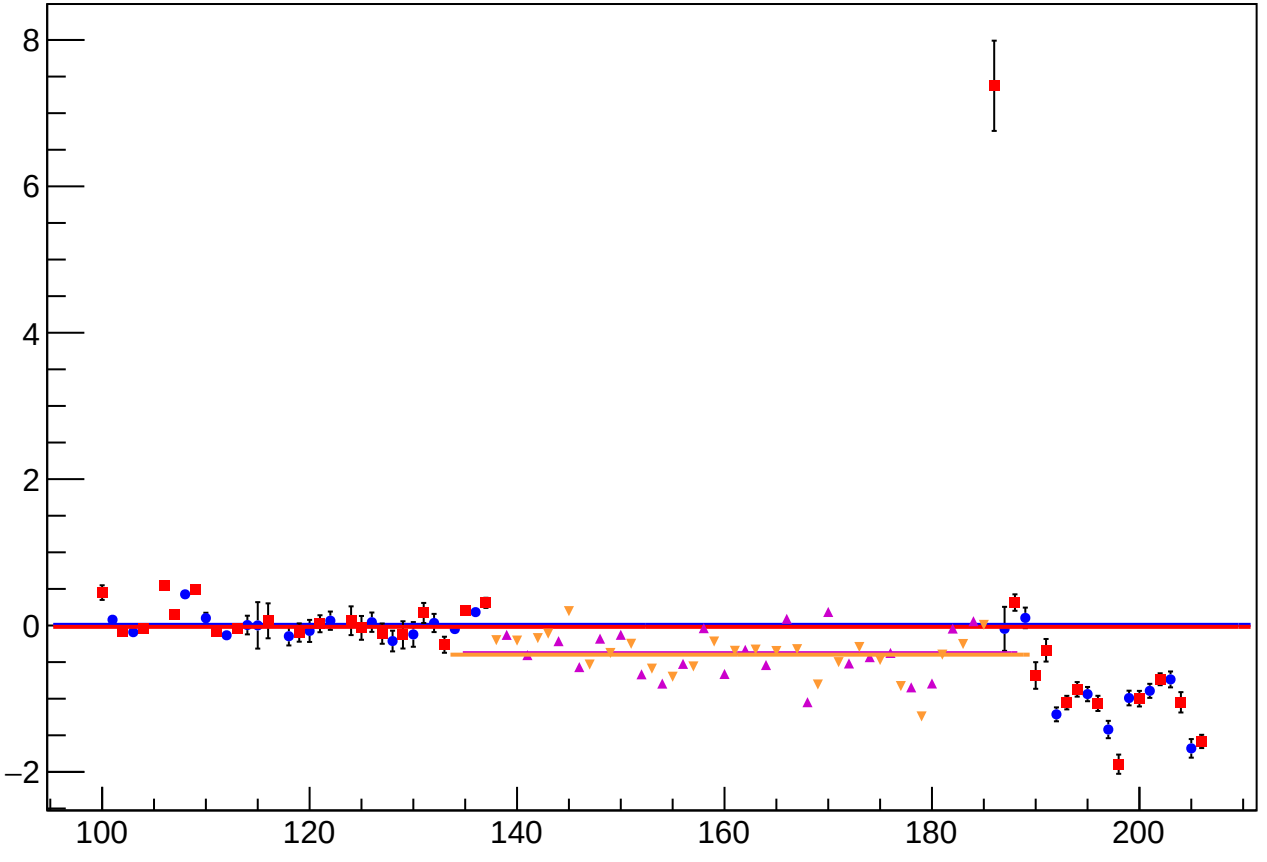
Left In: 75.844+/-0.197 χ^2/NDF:4265.6/22

+ sign 48.606+/-0.151 χ^2/NDF: 82087.6/49

All: 48.139+/-0.109 χ^2/NDF: 158180.8/103

- sign 47.644+/-0.156 χ^2/NDF: 76073.6/53

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: 0.009+/-0.011 χ^2/NDF: 1177.6/24

Left Out: -0.398+/-0.008 χ^2/NDF:1031.5/24

Right Out: -0.018+/-0.011 χ^2/NDF: 1681.2/30

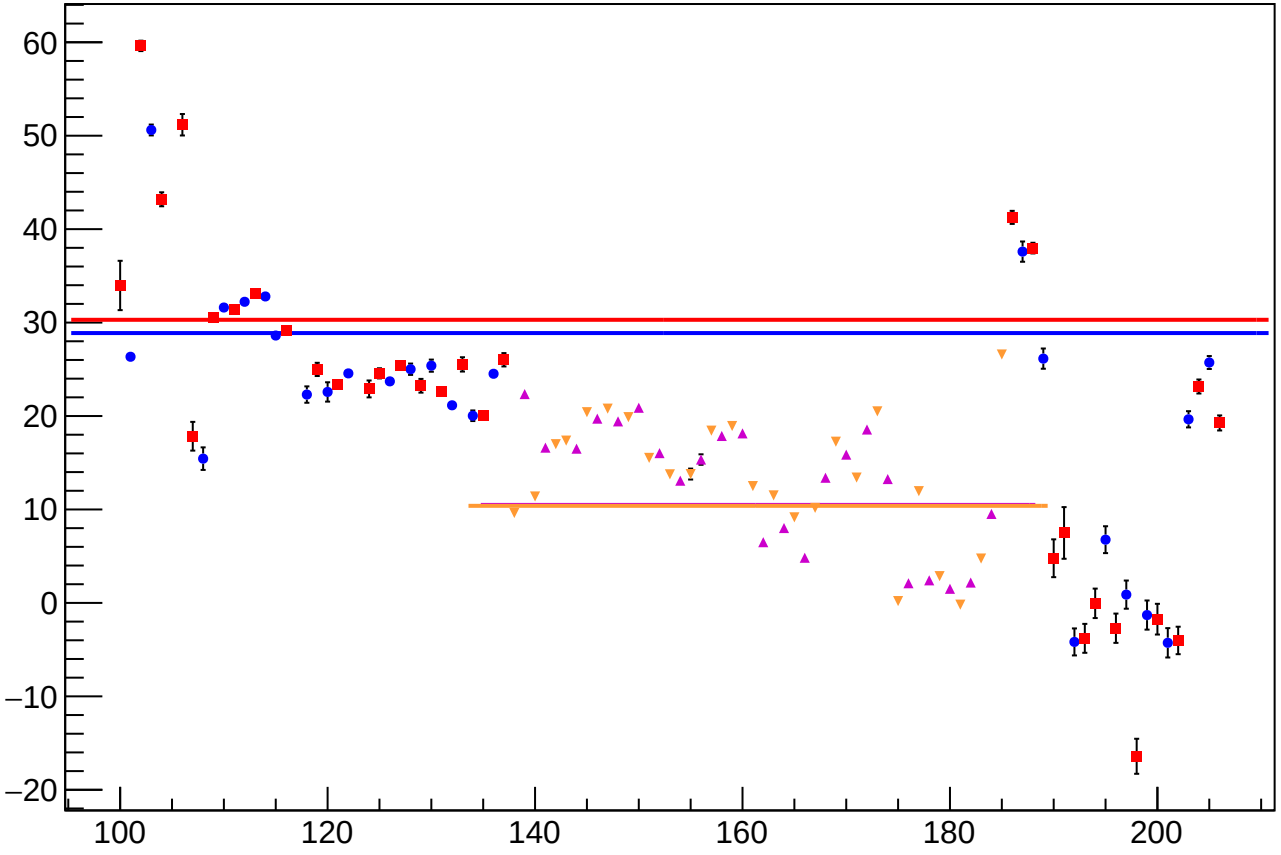
Left In: -0.378+/-0.009 χ^2/NDF:1351.5/22

+ sign -0.244+/-0.007 χ^2/NDF: 3099.6/49

All: -0.241+/-0.005 χ^2/NDF: 6813.3/103

- sign -0.238+/-0.007 χ^2/NDF: 3713.3/53

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 28.879+/-0.089 χ^2/NDF: 5552.7/24

Left Out: 10.390+/-0.064 χ^2/NDF:13792.8/24

Right Out: 30.299+/-0.077 χ^2/NDF: 8890.9/30

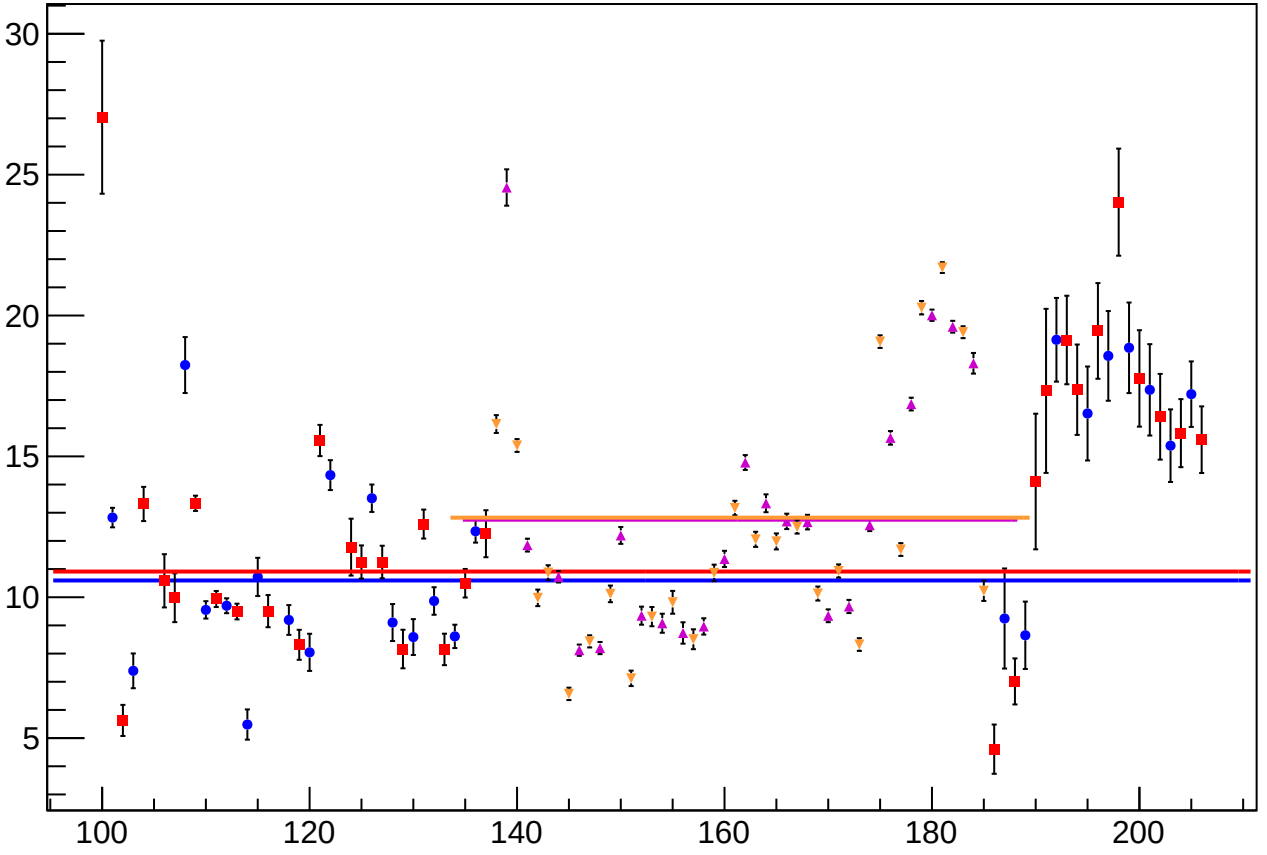
Left In: 10.488+/-0.067 χ^2/NDF:11498.1/22

+ sign 16.687+/-0.052 χ^2/NDF: 47657.3/49

All: 17.846+/-0.036 χ^2/NDF: 106548.1/103

- sign 18.940+/-0.051 χ^2/NDF: 57927.5/53

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.595+/-0.111 χ^2/NDF: 572.2/24

Left Out: 12.825+/-0.051 χ^2/NDF:8016.5/24

Right Out: 10.912+/-0.108 χ^2/NDF: 676.5/30

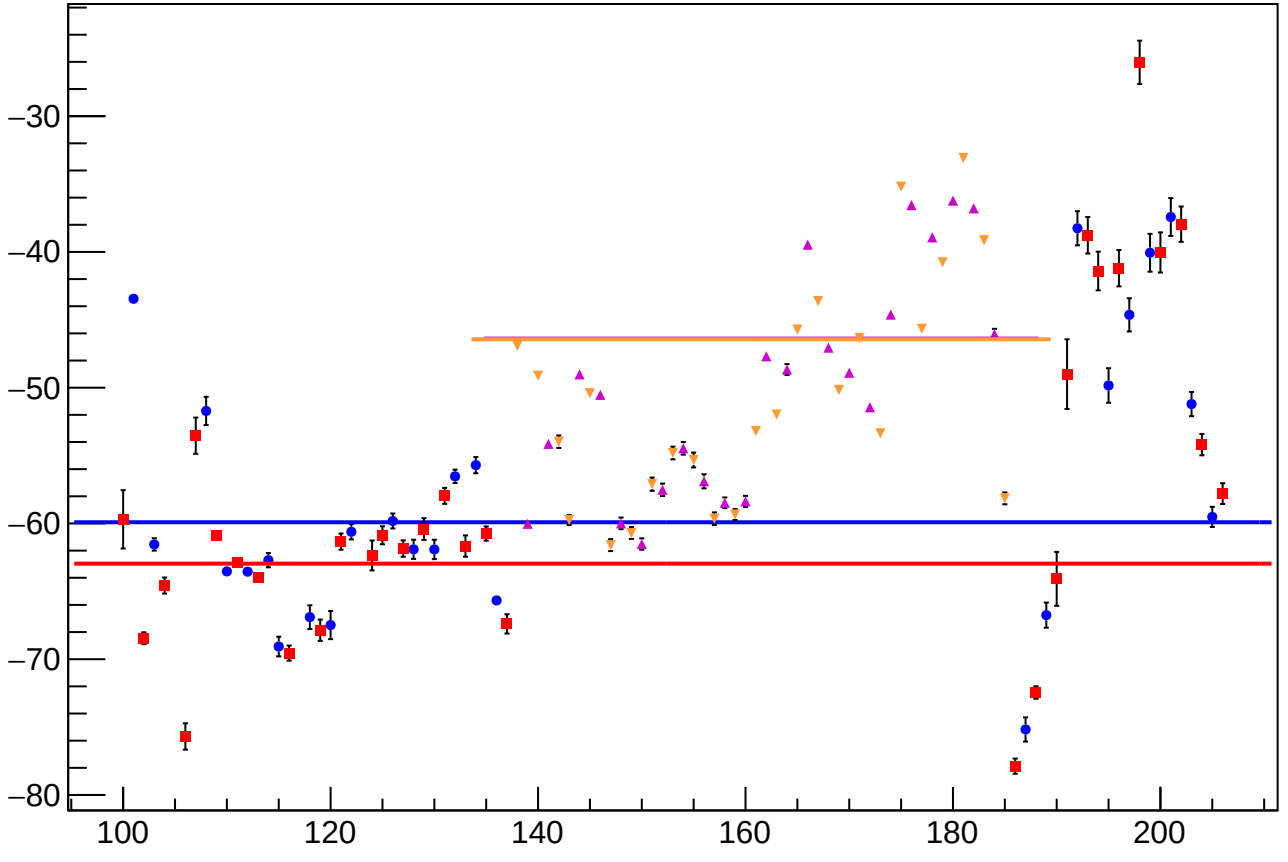
Left In: 12.752+/-0.053 χ^2/NDF:5502.5/22

+ sign 12.435+/-0.046 χ^2/NDF: 8922.3/49

All: 12.417+/-0.033 χ^2/NDF: 15334.4/103

- sign 12.398+/-0.048 χ^2/NDF: 6411.8/53

reg_asym_sam7_diff_bpm4eX_slope vs Slug



Right In: -59.913+/-0.107 χ^2/NDF: 5036.2/24

Left Out: -46.435+/-0.064 χ^2/NDF:18170.4/24

Right Out: -62.959+/-0.099 χ^2/NDF: 4131.0/30

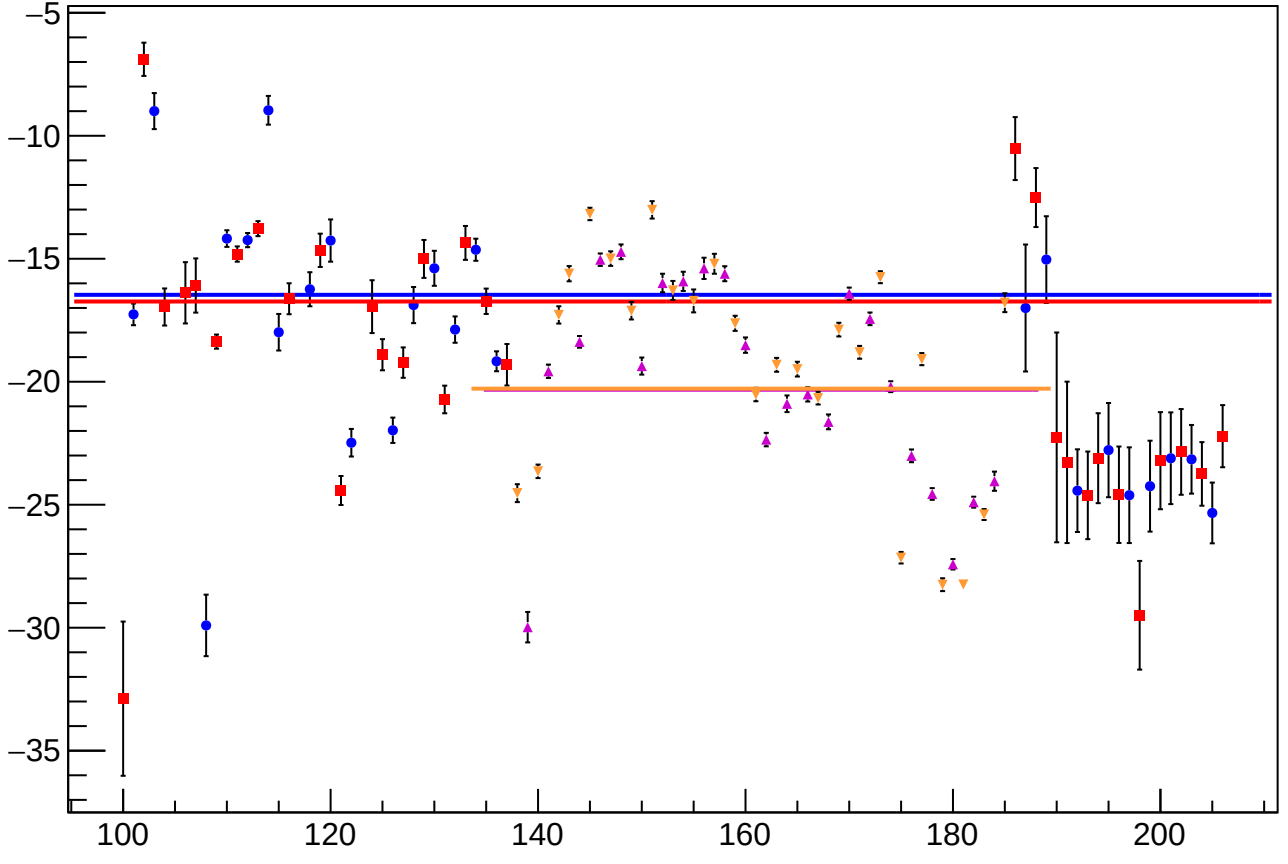
Left In: -46.383+/-0.067 χ^2/NDF:15080.6/22

\+ sign -50.003+/-0.055 χ^2/NDF: 34793.8/49

All: -50.775+/-0.039 χ^2/NDF: 73600.6/103

\- sign -51.552+/-0.055 χ^2/NDF: 38415.0/53

reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.466+/-0.124 χ^2/NDF: 959.8/24

Left Out: -20.281+/-0.057 χ^2/NDF:7019.5/24

Right Out: -16.738+/-0.121 χ^2/NDF: 882.0/30

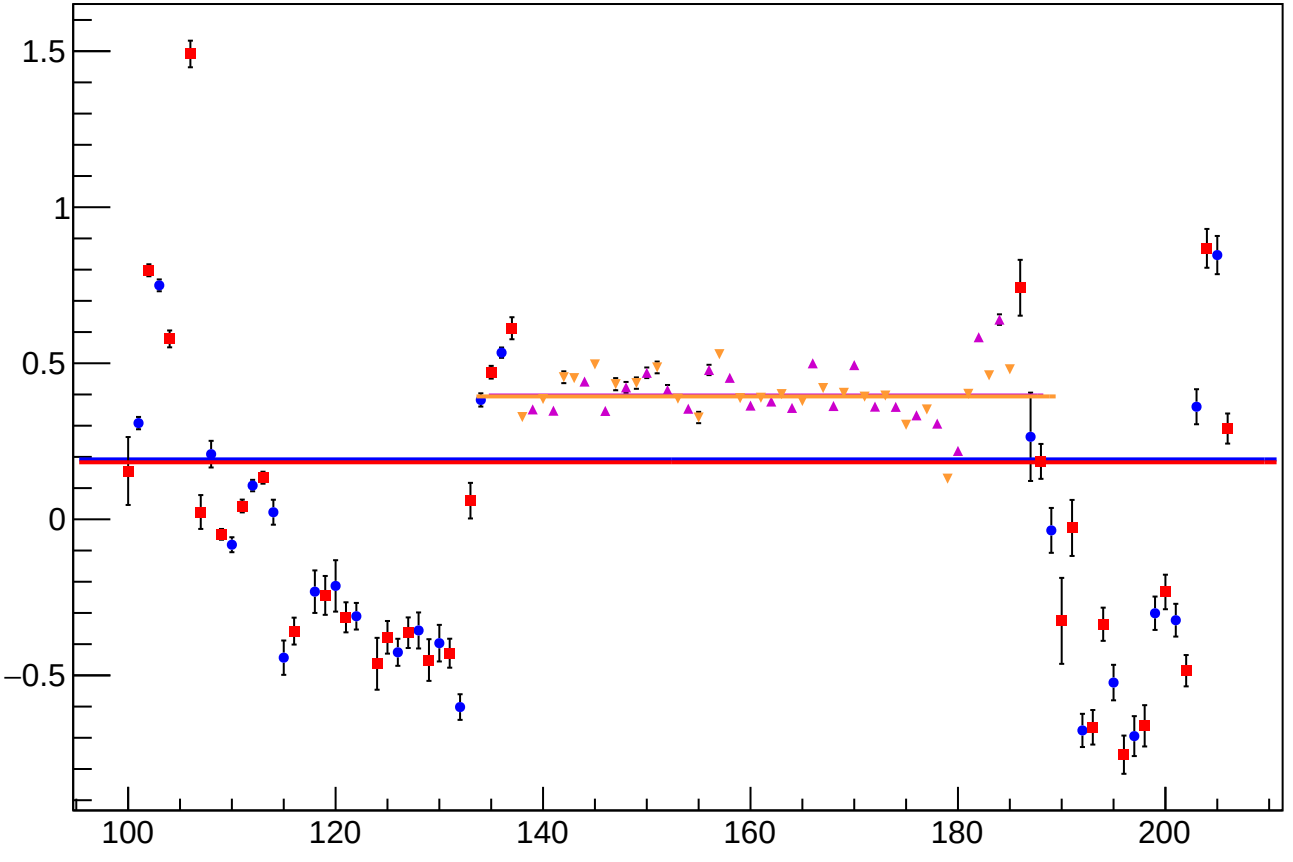
Left In: -20.324+/-0.059 χ^2/NDF:4272.7/22

+ sign -19.615+/-0.052 χ^2/NDF: 8759.5/49

All: -19.623+/-0.037 χ^2/NDF: 14627.2/103

- sign -19.630+/-0.053 χ^2/NDF: 5867.6/53

reg_asym_sam7_diff_bpm12X_slope vs Slug



Right In: 0.192+/-0.007 χ^2/NDF: 3606.3/24

Left Out: 0.394+/-0.003 χ^2/NDF:946.9/24

Right Out: 0.183+/-0.007 χ^2/NDF: 4797.1/30

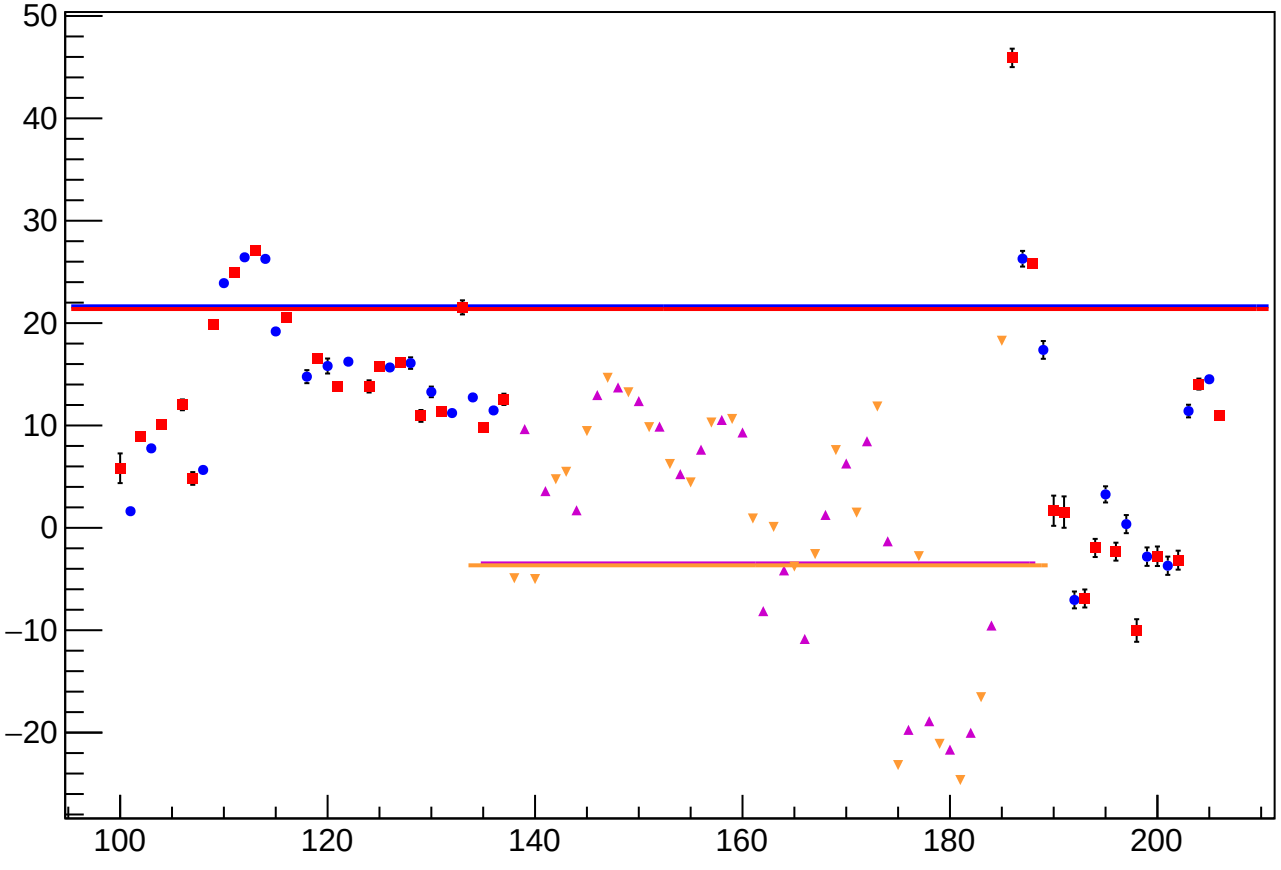
Left In: 0.397+/-0.003 χ^2/NDF:1295.7/22

+ sign 0.368+/-0.002 χ^2/NDF: 5350.9/49

All: 0.368+/-0.002 χ^2/NDF: 12355.2/103

- sign 0.367+/-0.002 χ^2/NDF: 7004.2/53

reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 21.639+/-0.055 χ^2/NDF: 16968.3/24

Left Out: -3.660+/-0.055 χ^2/NDF:56739.4/24

Right Out: 21.375+/-0.045 χ^2/NDF: 17446.8/30

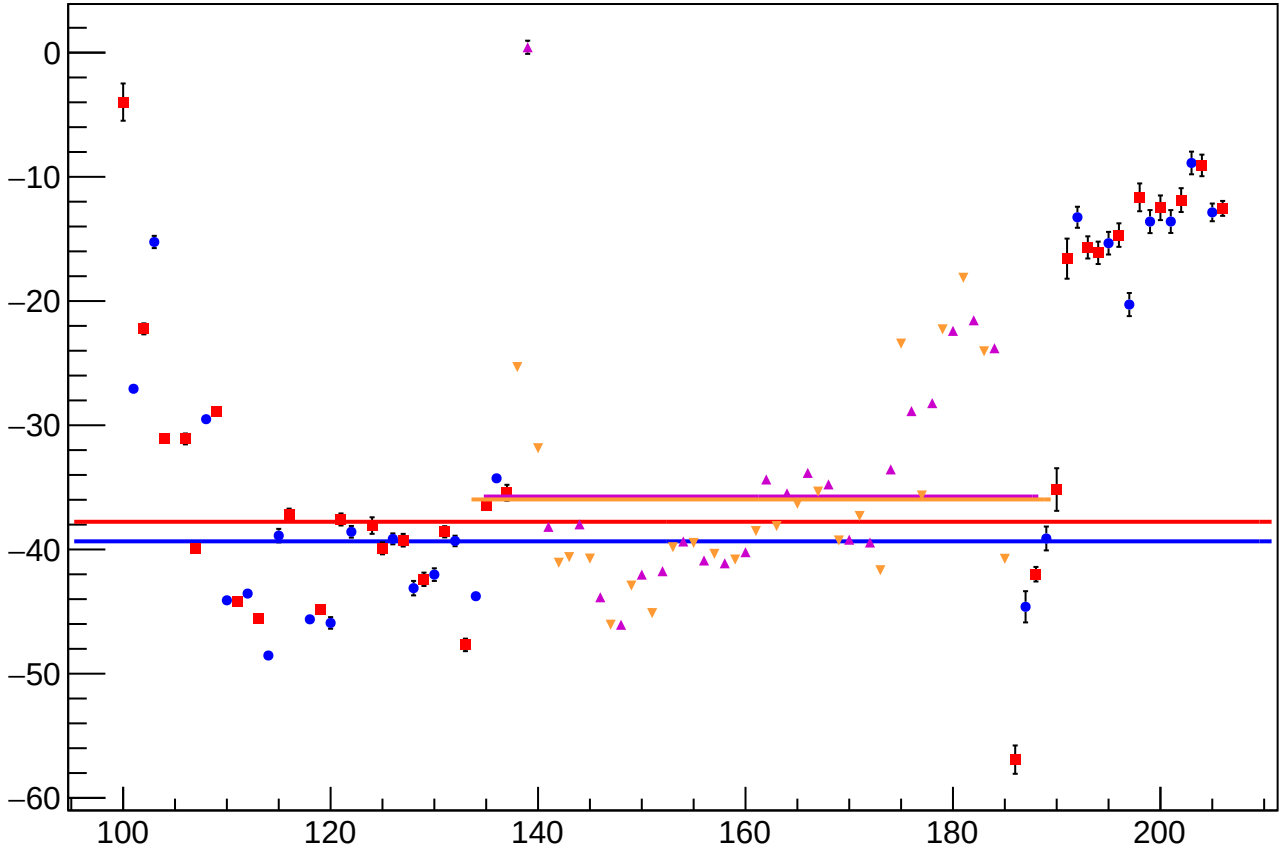
Left In: -3.475+/-0.057 χ^2/NDF:45103.9/22

+ sign 8.878+/-0.039 χ^2/NDF: 180353.5/49

All: 10.514+/-0.026 χ^2/NDF: 361996.1/103

- sign 11.887+/-0.035 χ^2/NDF: 178359.9/53

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -39.345+/-0.074 χ^2/NDF: 14221.9/24

Left Out: -35.973+/-0.042 χ^2/NDF:33609.3/24

Right Out: -37.770+/-0.068 χ^2/NDF: 17474.1/30

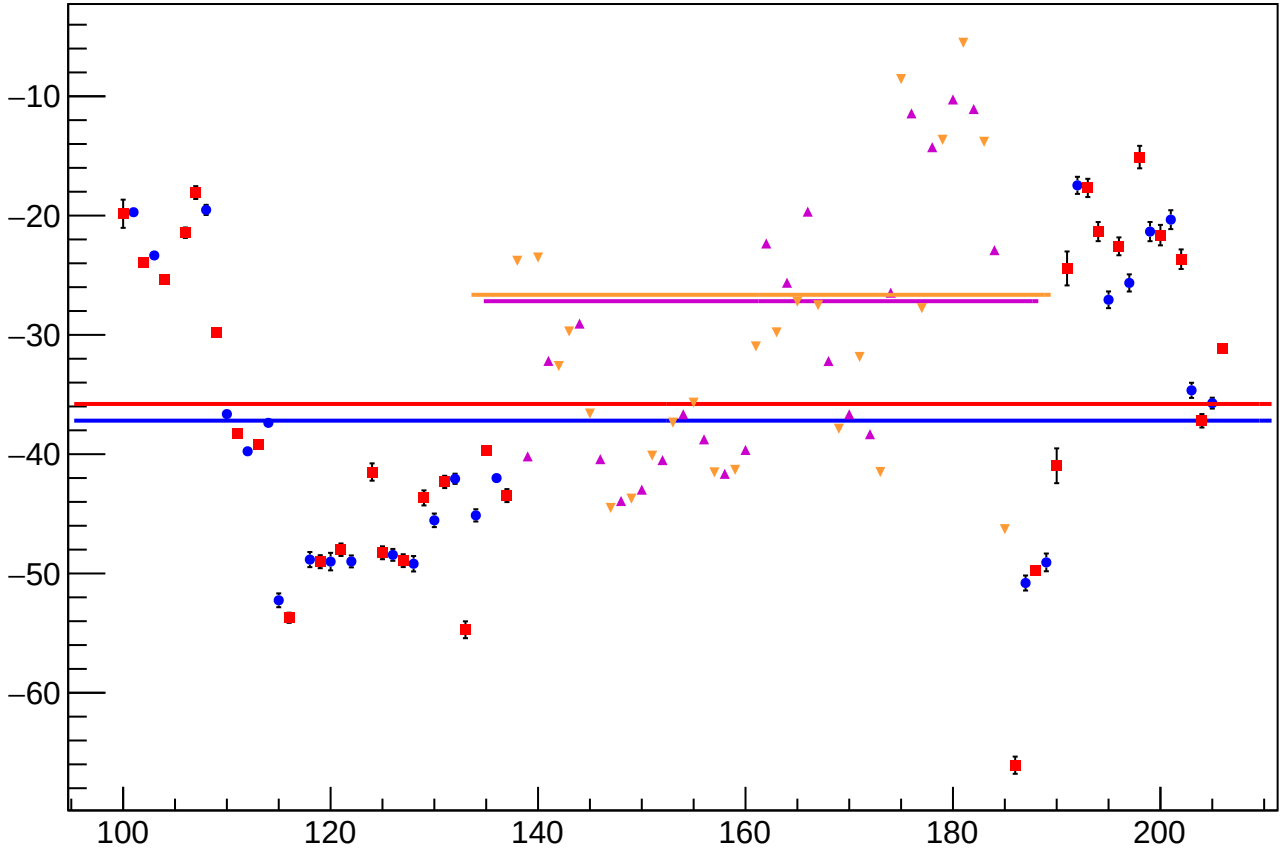
Left In: -35.737+/-0.045 χ^2/NDF:27154.8/22

+ sign -36.805+/-0.037 χ^2/NDF: 49389.7/49

All: -36.581+/-0.026 χ^2/NDF: 94709.3/103

- sign -36.349+/-0.038 χ^2/NDF: 45244.5/53

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -37.189+/-0.070 χ^2/NDF: 13711.0/24

Left Out: -26.639+/-0.055 χ^2/NDF:50051.9/24

Right Out: -35.791+/-0.061 χ^2/NDF: 19213.9/30

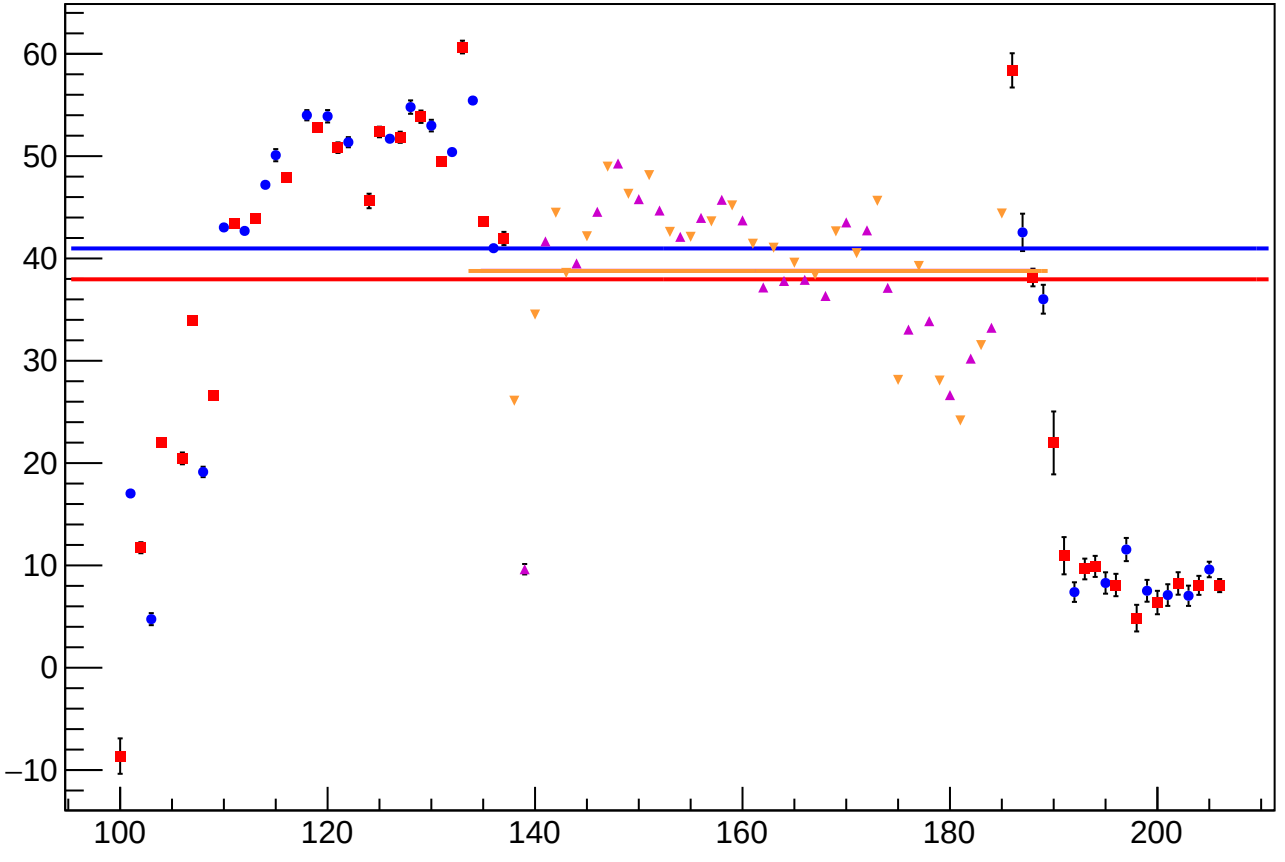
Left In: -27.176+/-0.057 χ^2/NDF:40990.1/22

+ sign -30.634+/-0.043 χ^2/NDF: 77909.7/49

All: -30.946+/-0.030 χ^2/NDF: 148901.2/103

- sign -31.238+/-0.042 χ^2/NDF: 70889.7/53

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 40.980+/-0.083 χ^2/NDF: 22971.7/24

Left Out: 38.777+/-0.048 χ^2/NDF:21070.6/24

Right Out: 37.961+/-0.076 χ^2/NDF: 26409.5/30

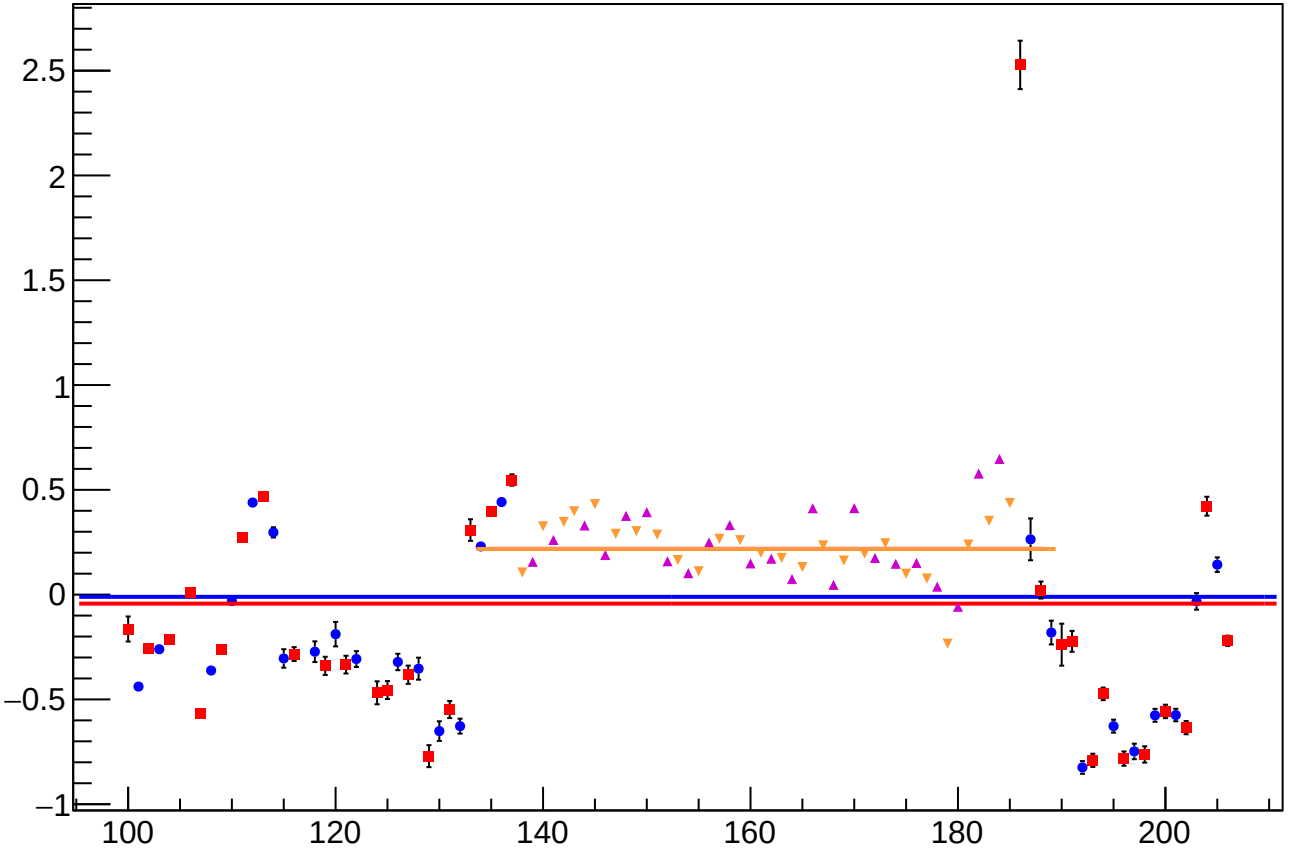
Left In: 38.791+/-0.050 χ^2/NDF:16240.7/22

+ sign 39.328+/-0.041 χ^2/NDF: 44574.9/49

All: 38.938+/-0.029 χ^2/NDF: 87488.8/103

- sign 38.538+/-0.042 χ^2/NDF: 42733.6/53

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.011+/-0.004 χ^2/NDF: 7983.6/24

Left Out: 0.218+/-0.002 χ^2/NDF:4075.0/24

Right Out: -0.043+/-0.004 χ^2/NDF: 9487.5/30

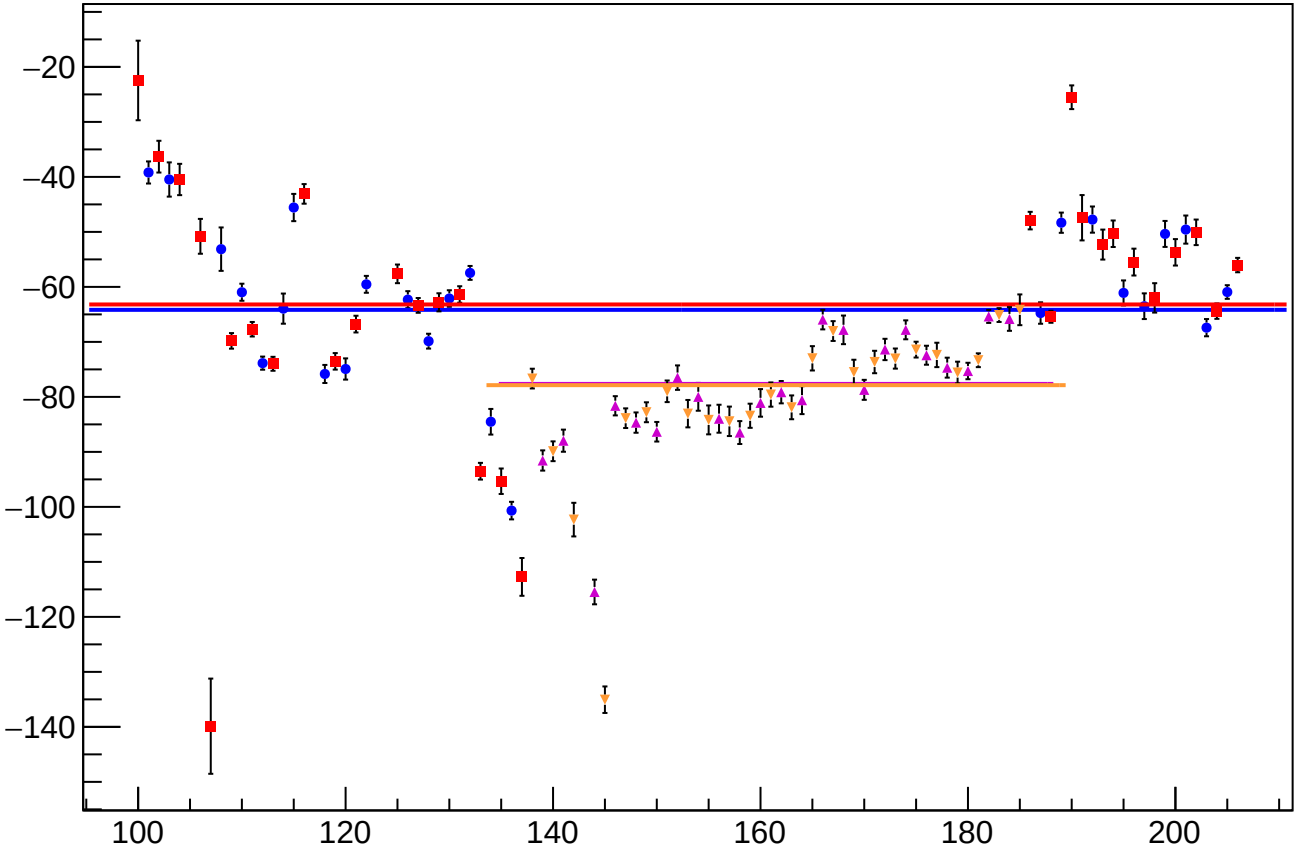
Left In: 0.218+/-0.002 χ^2/NDF:5312.2/22

+ sign 0.175+/-0.002 χ^2/NDF: 14164.6/49

All: 0.167+/-0.001 χ^2/NDF: 32198.0/103

- sign 0.158+/-0.002 χ^2/NDF: 17991.6/53

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -64.172+/-0.353 χ^2/NDF: 1287.8/24

Left Out: -77.867+/-0.394 χ^2/NDF:932.3/23

Right Out: -63.196+/-0.329 χ^2/NDF: 1921.6/29

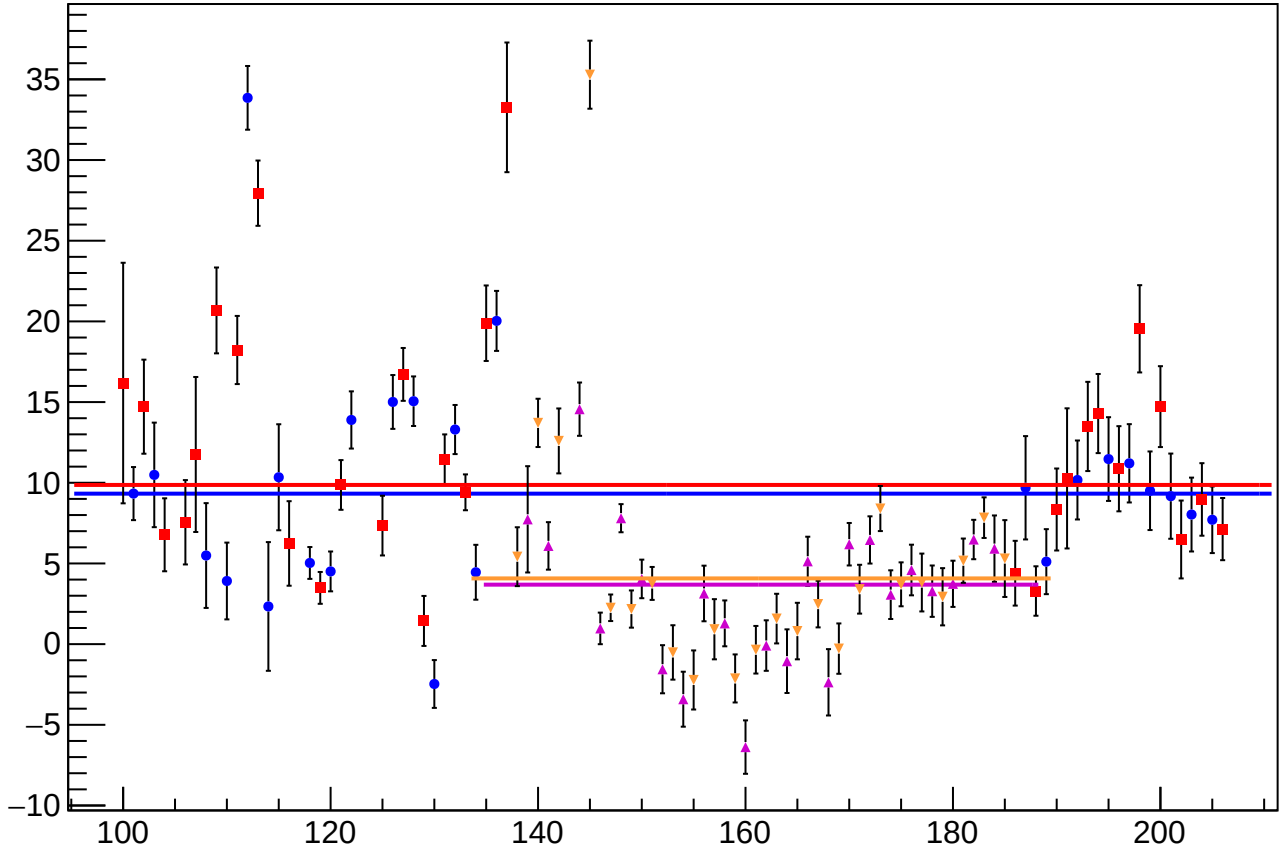
Left In: -77.643+/-0.396 χ^2/NDF:693.3/22

+ sign -70.276+/-0.263 χ^2/NDF: 2889.5/48

All: -69.655+/-0.182 χ^2/NDF: 6302.2/101

- sign -69.081+/-0.253 χ^2/NDF: 3401.9/52

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 9.325+/-0.377 χ^2/NDF: 348.8/24

Left Out: 4.073+/-0.297 χ^2/NDF:370.6/23

Right Out: 9.865+/-0.364 χ^2/NDF: 316.5/29

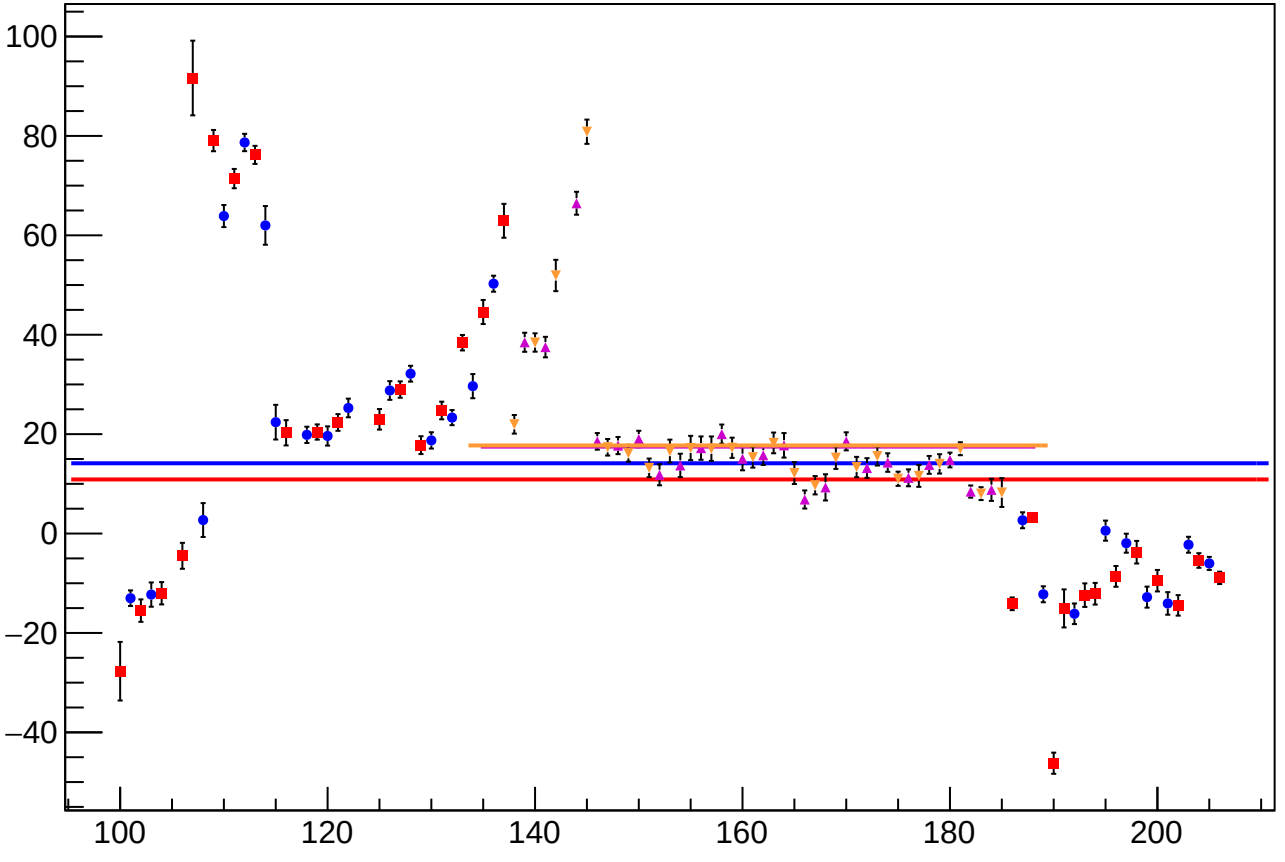
Left In: 3.686+/-0.302 χ^2/NDF:182.6/22

+ sign 6.080+/-0.233 χ^2/NDF: 839.1/48

All: 6.139+/-0.165 χ^2/NDF: 1509.0/101

- sign 6.199+/-0.232 χ^2/NDF: 669.7/52

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 14.139+/-0.372 χ^2/NDF: 4588.0/24

Left Out: 17.723+/-0.391 χ^2/NDF:1058.3/23

Right Out: 10.884+/-0.338 χ^2/NDF: 6953.9/29

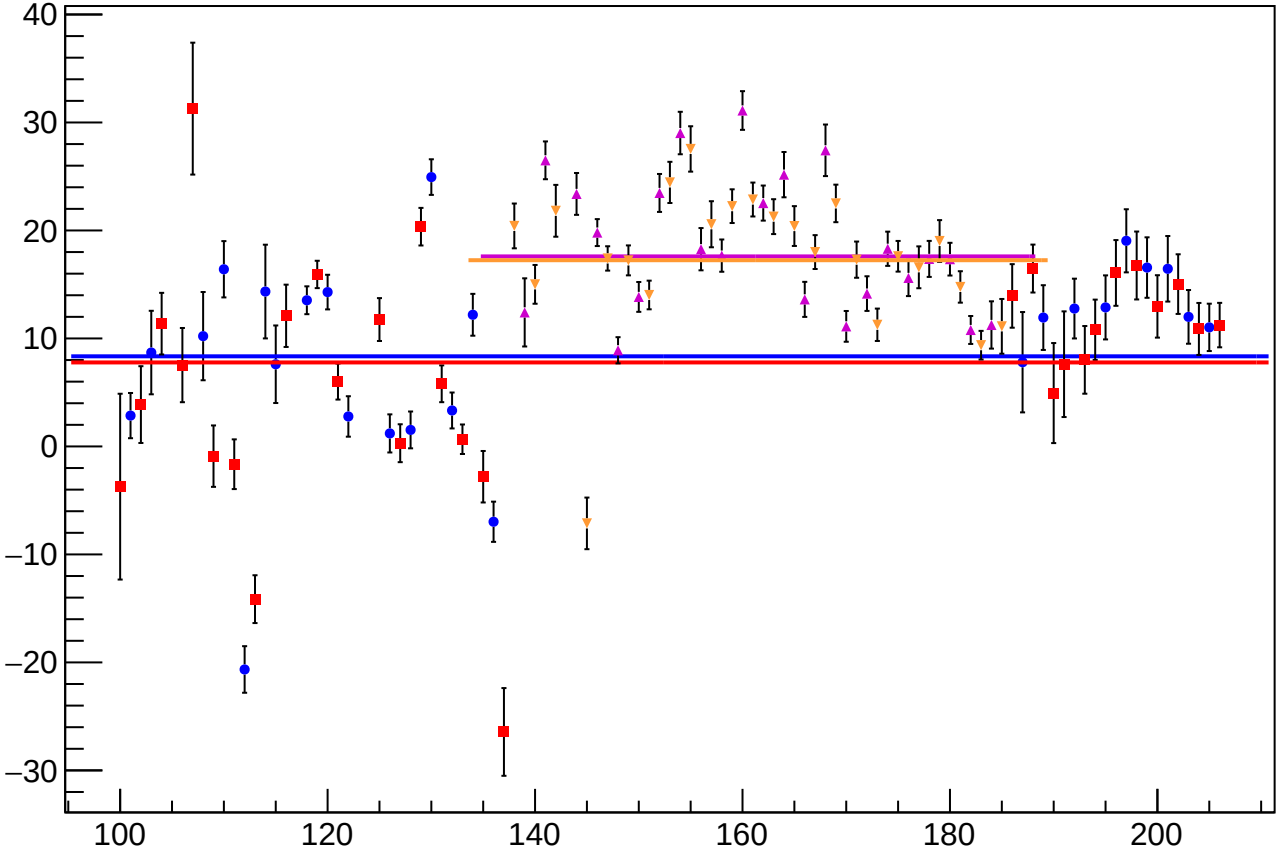
Left In: 17.491+/-0.393 χ^2/NDF:820.7/22

+ sign 15.844+/-0.270 χ^2/NDF: 5690.4/48

All: 14.714+/-0.186 χ^2/NDF: 13661.0/101

- sign 13.695+/-0.256 χ^2/NDF: 7937.3/52

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 8.345+/-0.439 χ^2/NDF: 491.7/24

Left Out: 17.245+/-0.338 χ^2/NDF:260.8/23

Right Out: 7.778+/-0.427 χ^2/NDF: 433.2/29

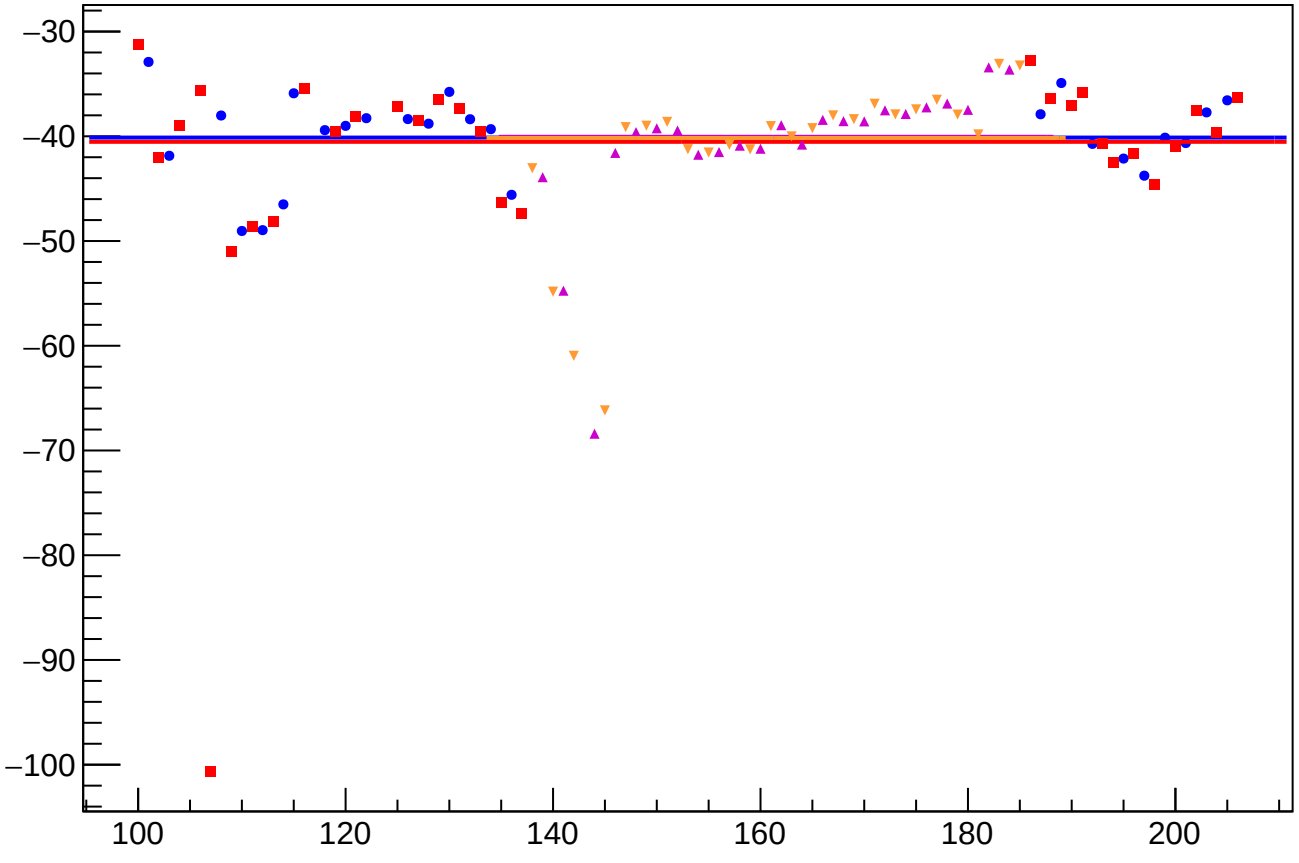
Left In: 17.597+/-0.342 χ^2/NDF:309.7/22

+ sign 13.928+/-0.268 χ^2/NDF: 1010.8/48

All: 13.844+/-0.189 χ^2/NDF: 2075.5/101

- sign 13.760+/-0.267 χ^2/NDF: 1064.6/52

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -40.123+/-0.023 χ^2/NDF: 26642.8/24

Left Out: -40.165+/-0.015 χ^2/NDF:163335.9/23

Right Out: -40.528+/-0.021 χ^2/NDF: 72572.7/29

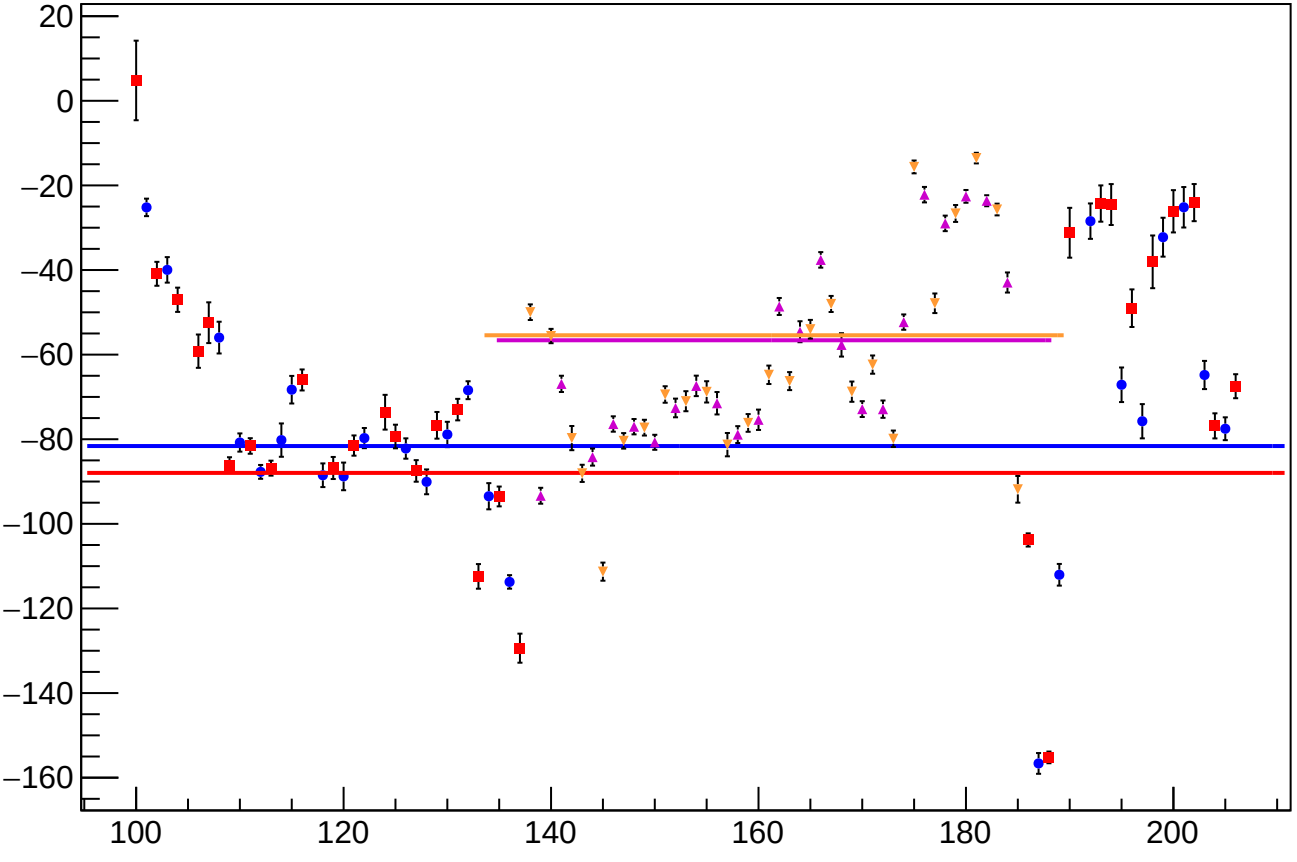
Left In: -40.050+/-0.015 χ^2/NDF:136438.5/22

+ sign -40.151+/-0.013 χ^2/NDF: 189981.0/48

All: -40.184+/-0.009 χ^2/NDF: 399339.4/101

- sign -40.215+/-0.012 χ^2/NDF: 209345.5/52

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -81.609+/-0.535 χ^2/NDF: 3023.6/24

Left Out: -55.424+/-0.393 χ^2/NDF:4525.3/24

Right Out: -87.959+/-0.488 χ^2/NDF: 4602.0/29

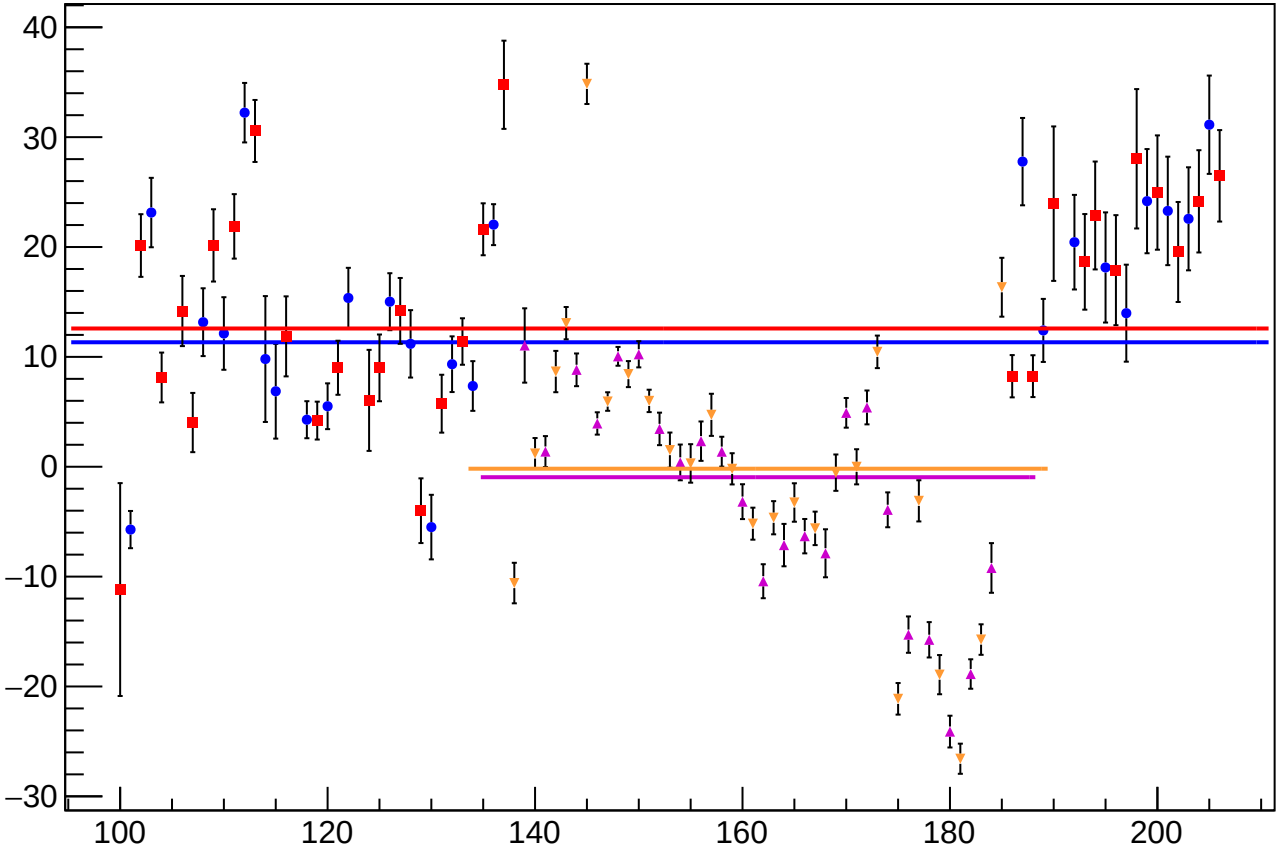
Left In: -56.609+/-0.404 χ^2/NDF:3350.3/22

+ sign -64.608+/-0.317 χ^2/NDF: 9103.7/49

All: -67.030+/-0.222 χ^2/NDF: 19623.1/102

- sign -69.361+/-0.311 χ^2/NDF: 10404.8/52

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 11.330+/-0.568 χ^2/NDF: 337.8/24

Left Out: -0.179+/-0.294 χ^2/NDF:1598.6/24

Right Out: 12.584+/-0.544 χ^2/NDF: 248.2/29

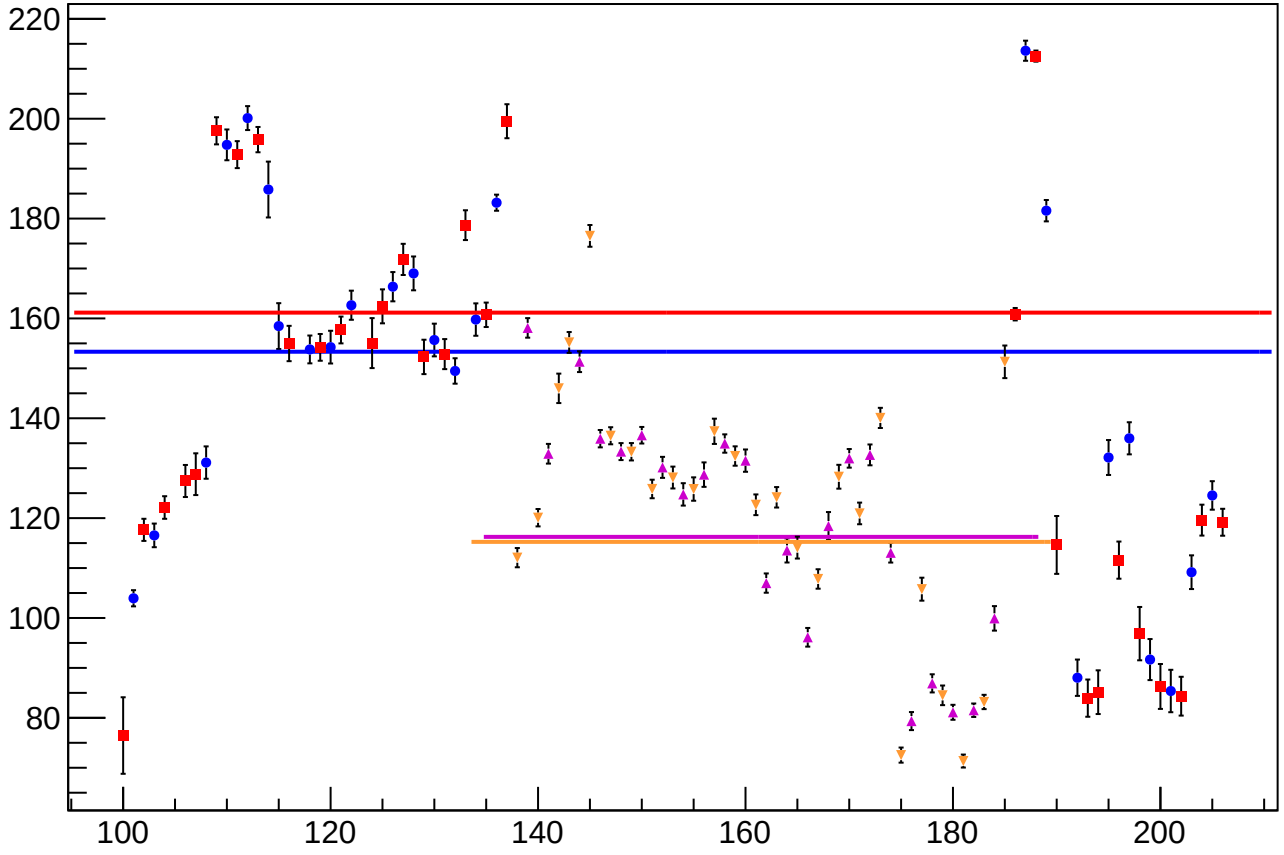
Left In: -0.952+/-0.304 χ^2/NDF:1069.6/22

\+ sign 2.256+/-0.261 χ^2/NDF: 2260.3/49

All: 2.263+/-0.186 χ^2/NDF: 4049.8/102

\- sign 2.271+/-0.265 χ^2/NDF: 1789.5/52

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 153.327+/-0.548 χ^2/NDF: 4426.7/24

Left Out: 115.243+/-0.390 χ^2/NDF:4836.5/24

Right Out: 161.161+/-0.487 χ^2/NDF: 6030.8/29

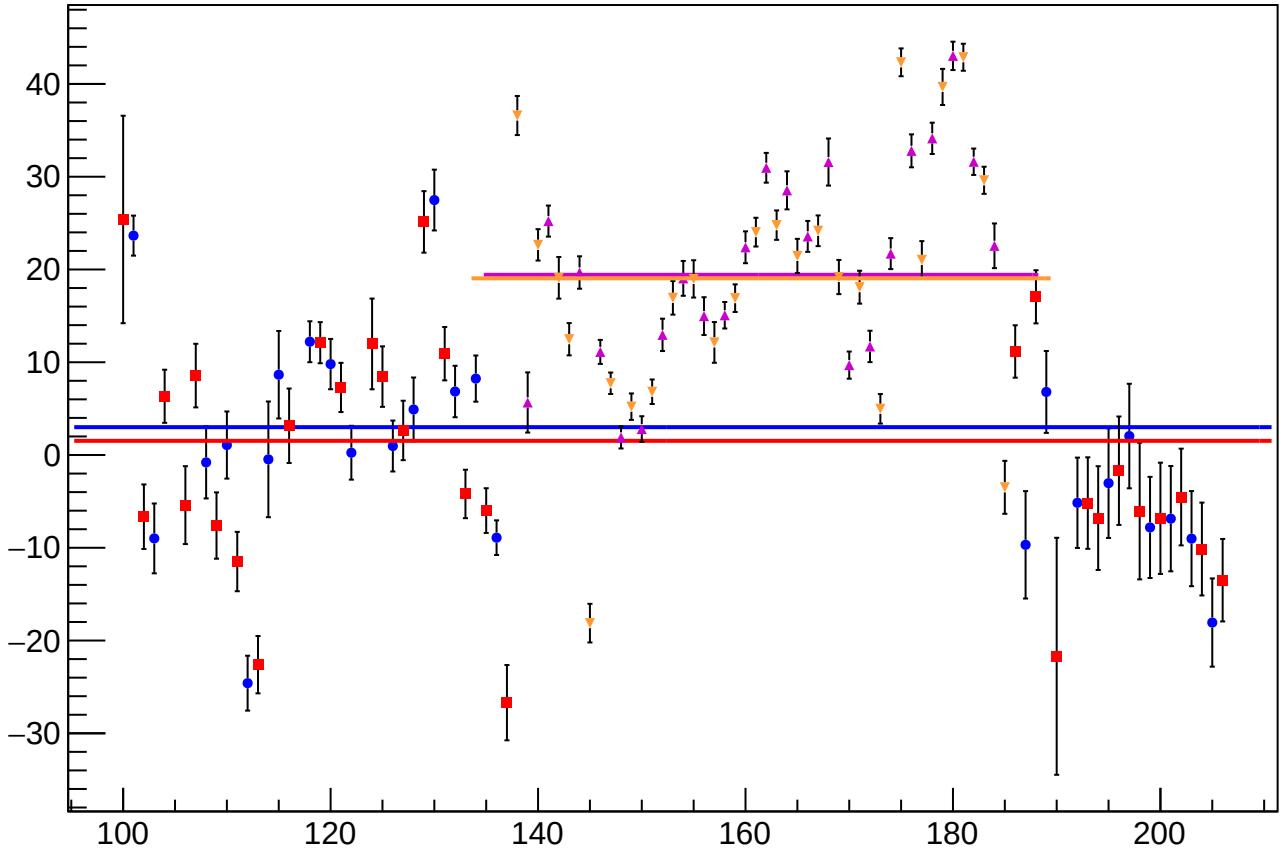
Left In: 116.246+/-0.399 χ^2/NDF:3637.3/22

+ sign 128.055+/-0.318 χ^2/NDF: 12465.6/49

All: 131.271+/-0.221 χ^2/NDF: 27422.1/102

- sign 134.302+/-0.309 χ^2/NDF: 14757.8/52

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 3.002+/-0.661 χ^2/NDF: 361.5/24

Left Out: 19.046+/-0.336 χ^2/NDF:1545.8/24

Right Out: 1.528+/-0.646 χ^2/NDF: 334.9/29

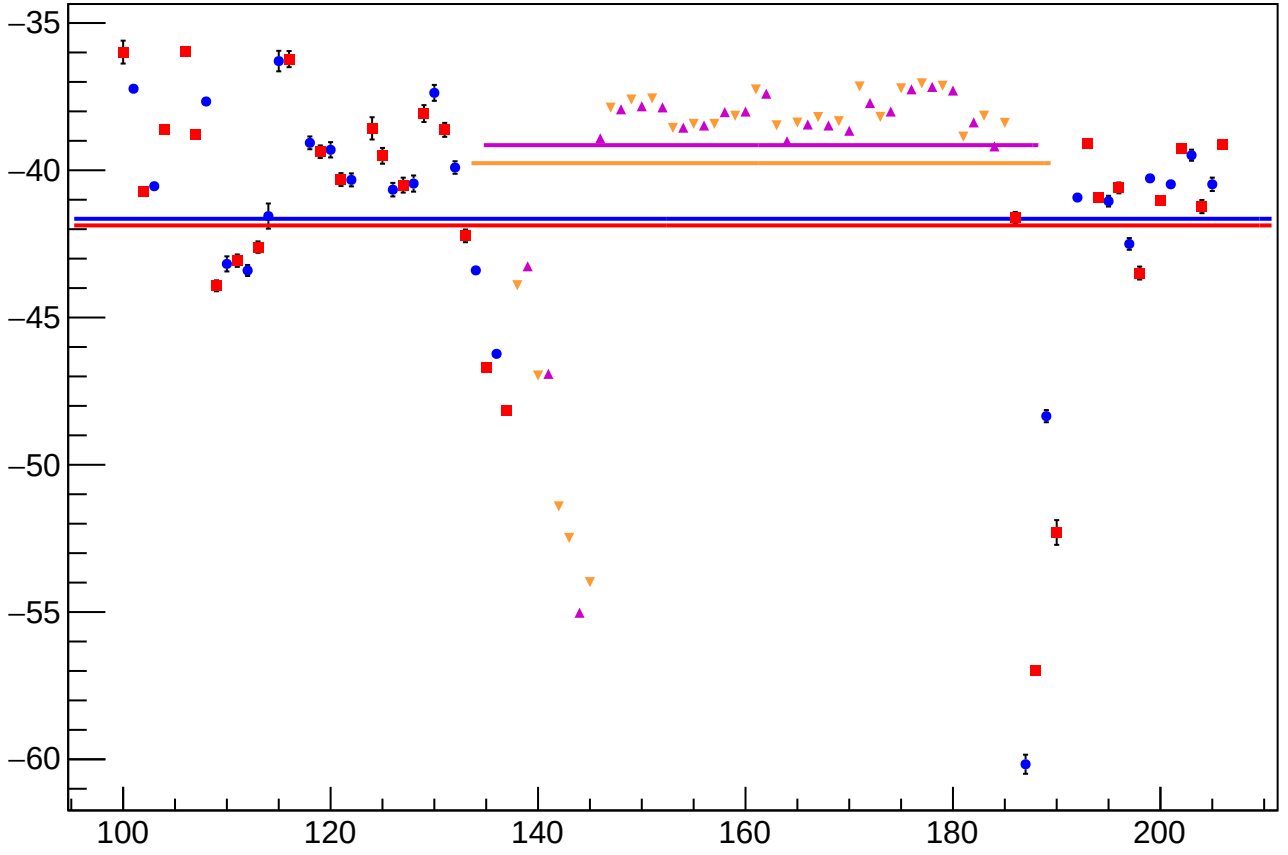
Left In: 19.425+/-0.346 χ^2/NDF:1077.2/22

+ sign 15.746+/-0.300 χ^2/NDF: 2375.9/49

All: 15.595+/-0.214 χ^2/NDF: 4385.4/102

- sign 15.439+/-0.305 χ^2/NDF: 2009.0/52

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.647+/-0.033 χ^2/NDF: 12584.3/24

Left Out: -39.758+/-0.015 χ^2/NDF:81865.0/24

Right Out: -41.873+/-0.032 χ^2/NDF: 19732.4/29

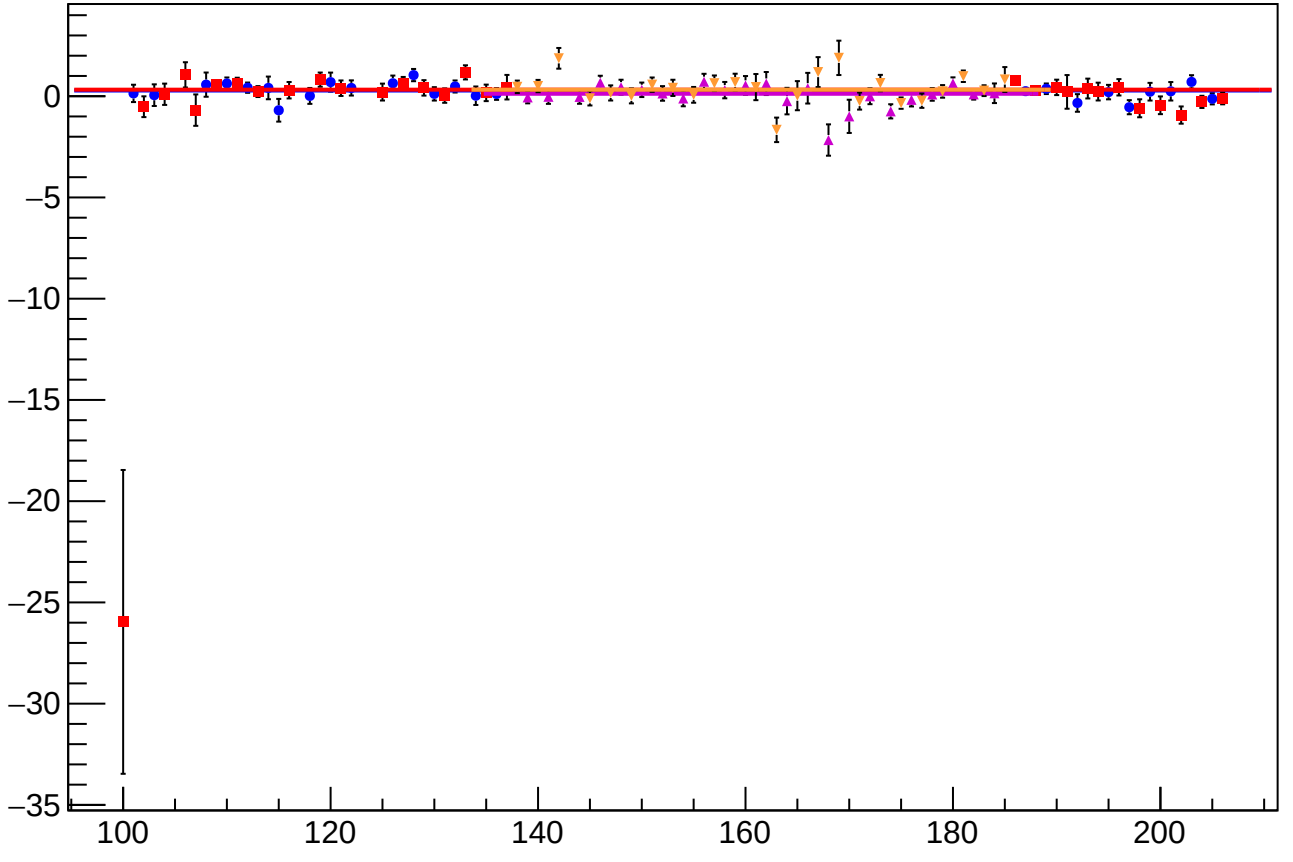
Left In: -39.147+/-0.016 χ^2/NDF:46907.5/22

+ sign -40.106+/-0.014 χ^2/NDF: 97204.8/49

All: -39.890+/-0.010 χ^2/NDF: 170192.0/102

- sign -39.672+/-0.014 χ^2/NDF: 72505.8/52

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 0.281+/-0.070 χ^2/NDF: 26.8/24

Left Out: 0.321+/-0.078 χ^2/NDF:46.9/23

Right Out: 0.323+/-0.060 χ^2/NDF: 60.2/29

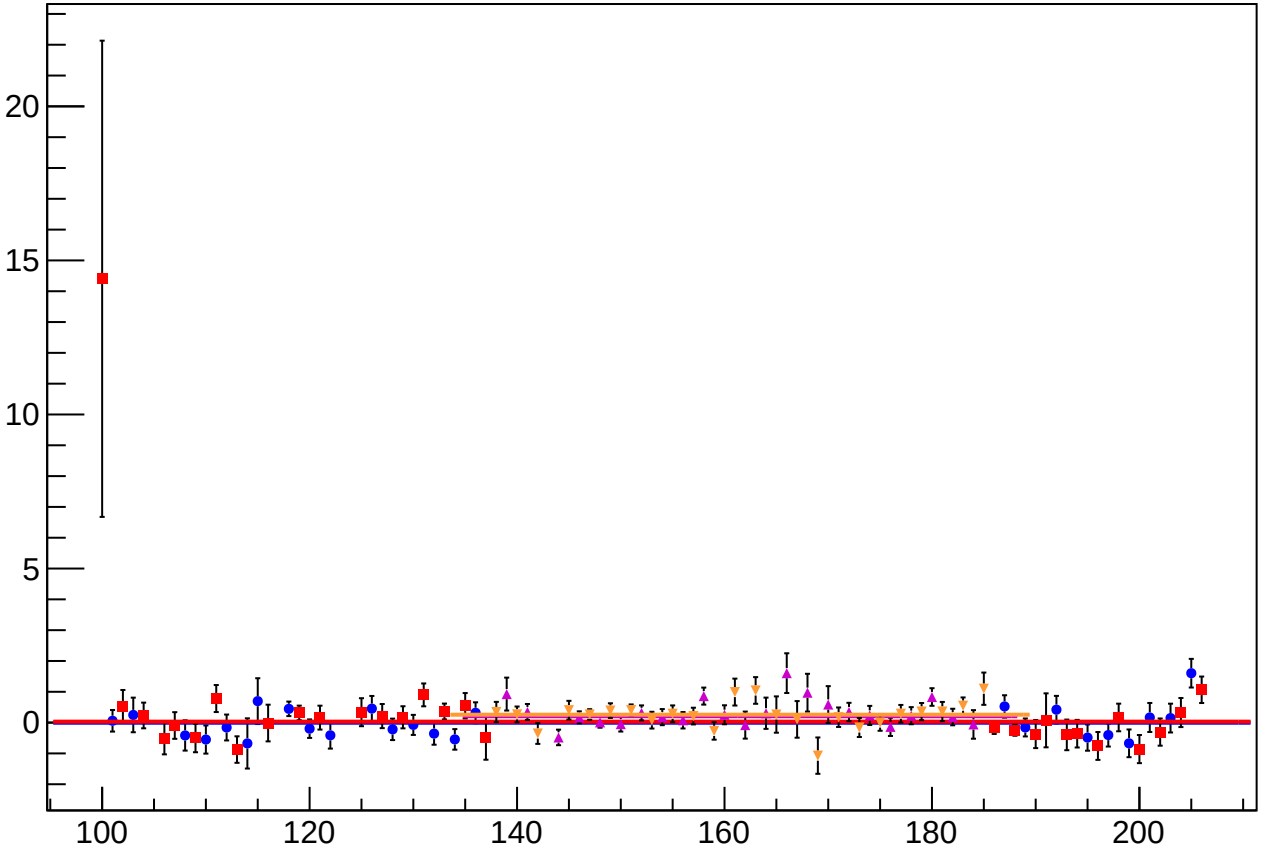
Left In: 0.120+/-0.079 χ^2/NDF:30.0/22

+ sign 0.299+/-0.052 χ^2/NDF: 73.9/48

All: 0.272+/-0.035 χ^2/NDF: 168.7/101

- sign 0.249+/-0.048 χ^2/NDF: 94.3/52

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.004+/-0.077 χ^2/NDF: 35.3/24

Left Out: 0.257+/-0.059 χ^2/NDF:26.5/23

Right Out: 0.031+/-0.069 χ^2/NDF: 45.1/29

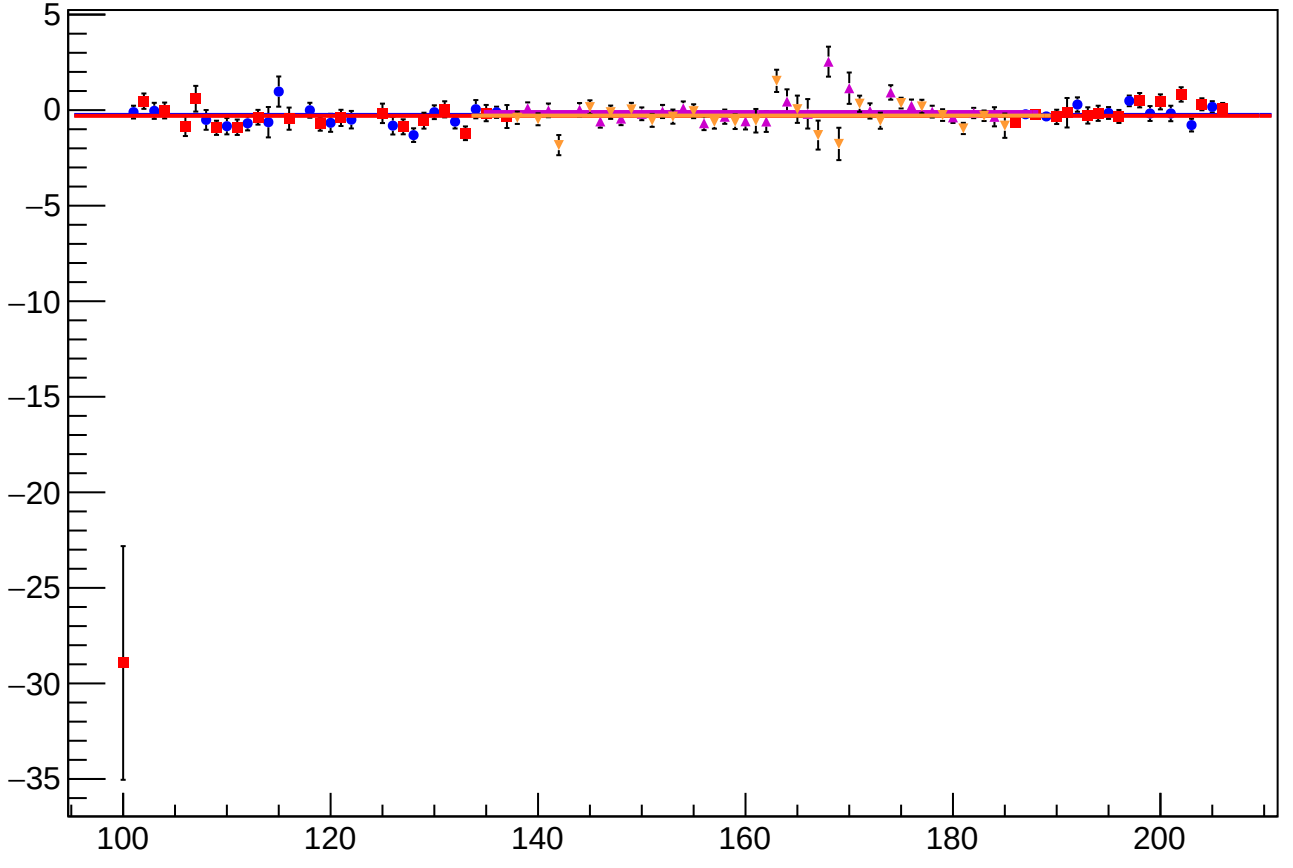
Left In: 0.207+/-0.060 χ^2/NDF:31.9/22

+ sign 0.160+/-0.047 χ^2/NDF: 69.0/48

All: 0.145+/-0.033 χ^2/NDF: 149.8/101

- sign 0.131+/-0.046 χ^2/NDF: 80.6/52

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: -0.250+/-0.069 χ^2/NDF: 33.9/24

Left Out: -0.286+/-0.077 χ^2/NDF:45.0/23

Right Out: -0.299+/-0.057 χ^2/NDF: 74.7/29

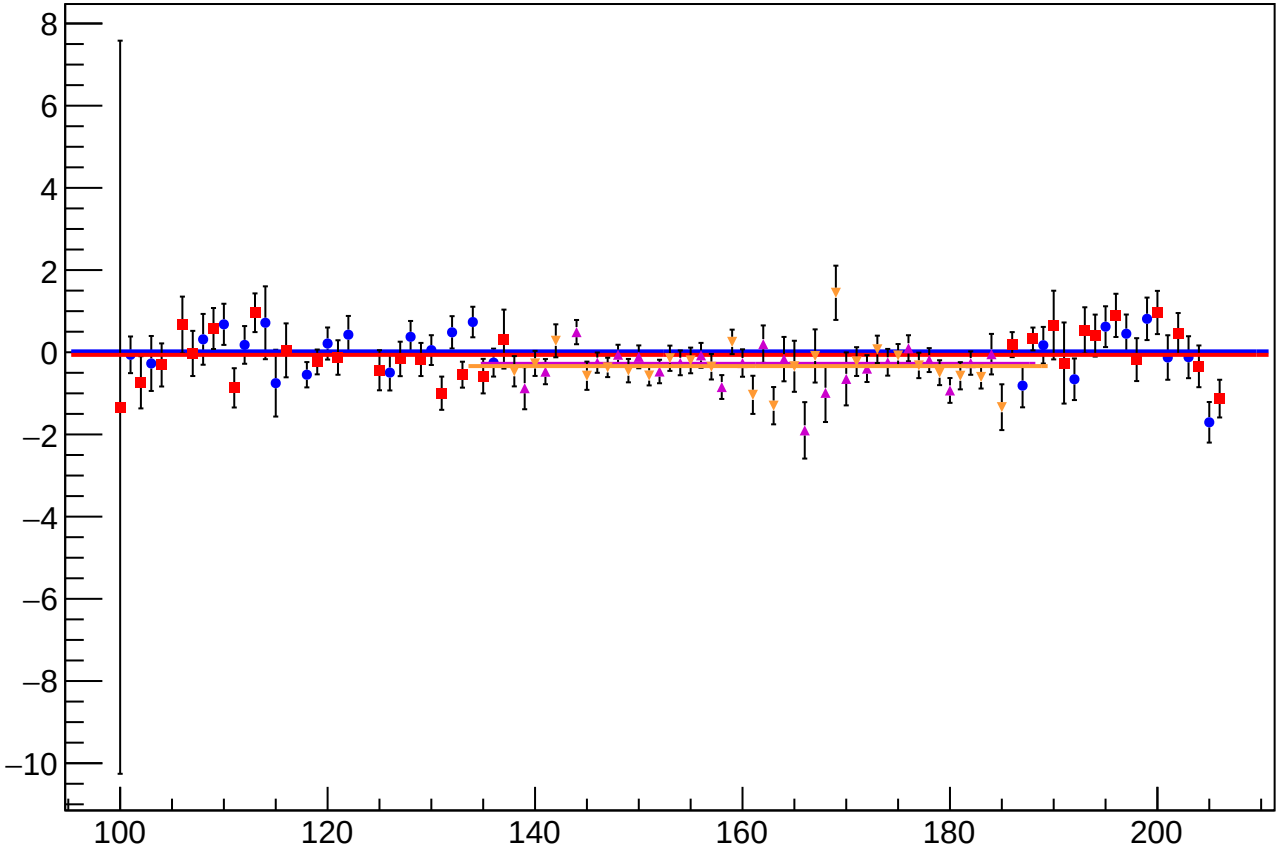
Left In: -0.100+/-0.078 χ^2/NDF:33.2/22

+ sign -0.266+/-0.052 χ^2/NDF: 79.1/48

All: -0.246+/-0.034 χ^2/NDF: 191.5/101

- sign -0.231+/-0.046 χ^2/NDF: 112.2/52

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: 0.021+/-0.091 χ^2/NDF: 37.7/24

Left Out: -0.337+/-0.068 χ^2/NDF:30.1/23

Right Out: -0.063+/-0.085 χ^2/NDF: 41.5/29

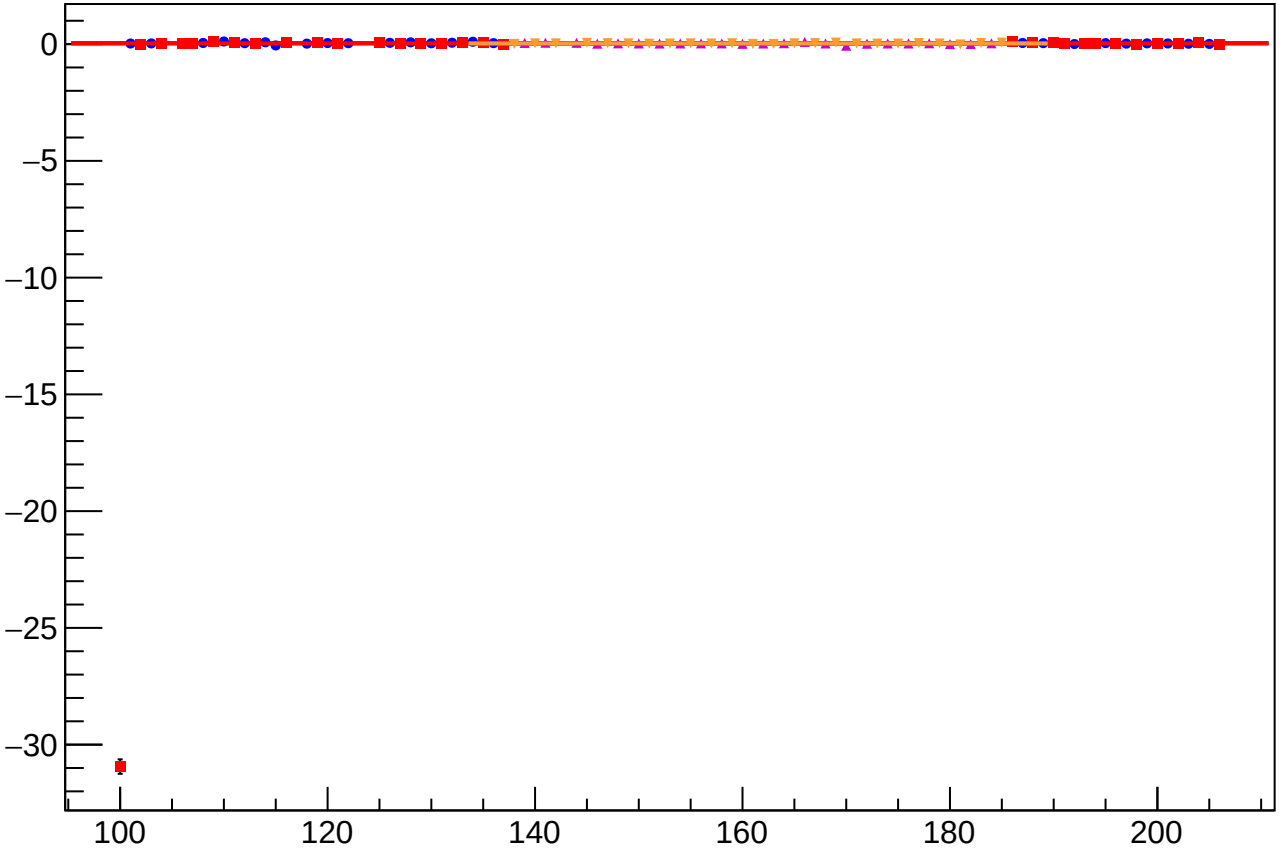
Left In: -0.282+/-0.069 χ^2/NDF:29.0/22

+ sign -0.208+/-0.054 χ^2/NDF: 77.8/48

All: -0.201+/-0.038 χ^2/NDF: 152.4/101

- sign -0.195+/-0.053 χ^2/NDF: 74.6/52

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: 0.037+/-0.004 χ^2/NDF: 31.6/24

Left Out: 0.028+/-0.003 χ^2/NDF:27.6/23

Right Out: 0.031+/-0.004 χ^2/NDF: 10054.5/29

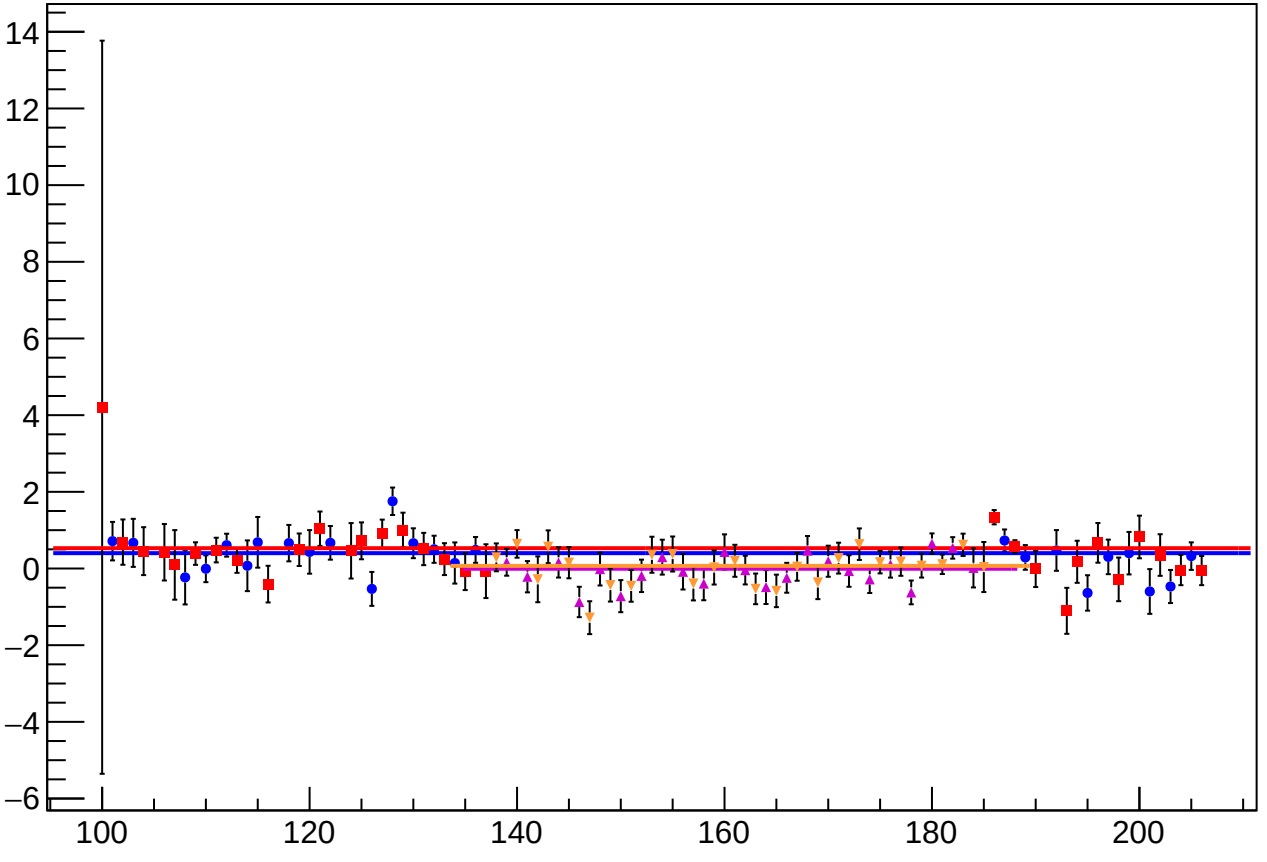
Left In: 0.029+/-0.003 χ^2/NDF:38.9/22

+ sign 0.031+/-0.002 χ^2/NDF: 61.8/48

All: 0.031+/-0.002 χ^2/NDF: 10155.3/101

- sign 0.030+/-0.002 χ^2/NDF: 10093.5/52

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 0.400+/-0.085 χ^2/NDF: 37.5/24

Left Out: 0.069+/-0.077 χ^2/NDF:31.1/24

Right Out: 0.530+/-0.072 χ^2/NDF: 46.8/29

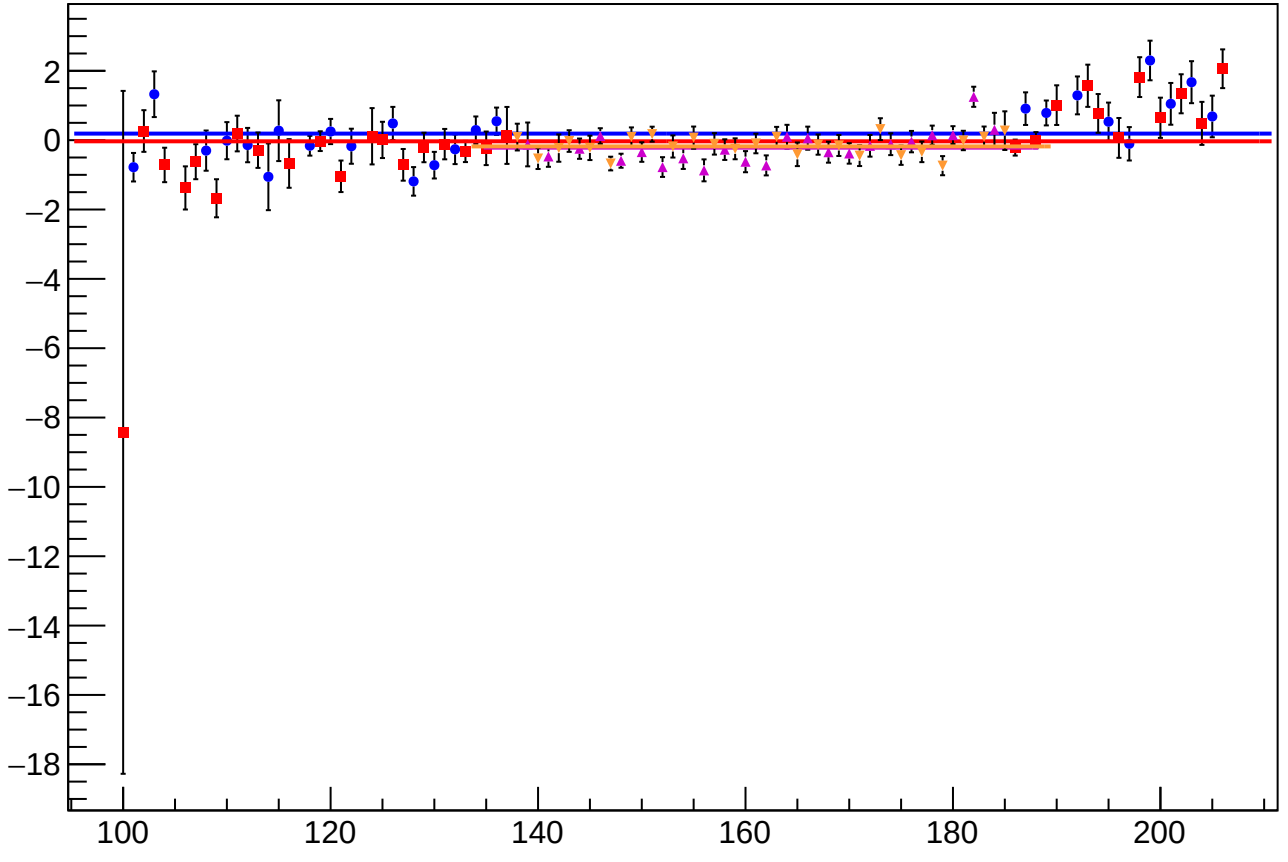
Left In: -0.006+/-0.079 χ^2/NDF:28.5/22

+ sign 0.219+/-0.057 χ^2/NDF: 77.0/49

All: 0.257+/-0.039 χ^2/NDF: 178.2/102

- sign 0.289+/-0.053 χ^2/NDF: 100.4/52

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: 0.189+/-0.093 χ^2/NDF: 65.0/24

Left Out: -0.180+/-0.059 χ^2/NDF:24.7/24

Right Out: -0.033+/-0.083 χ^2/NDF: 73.0/29

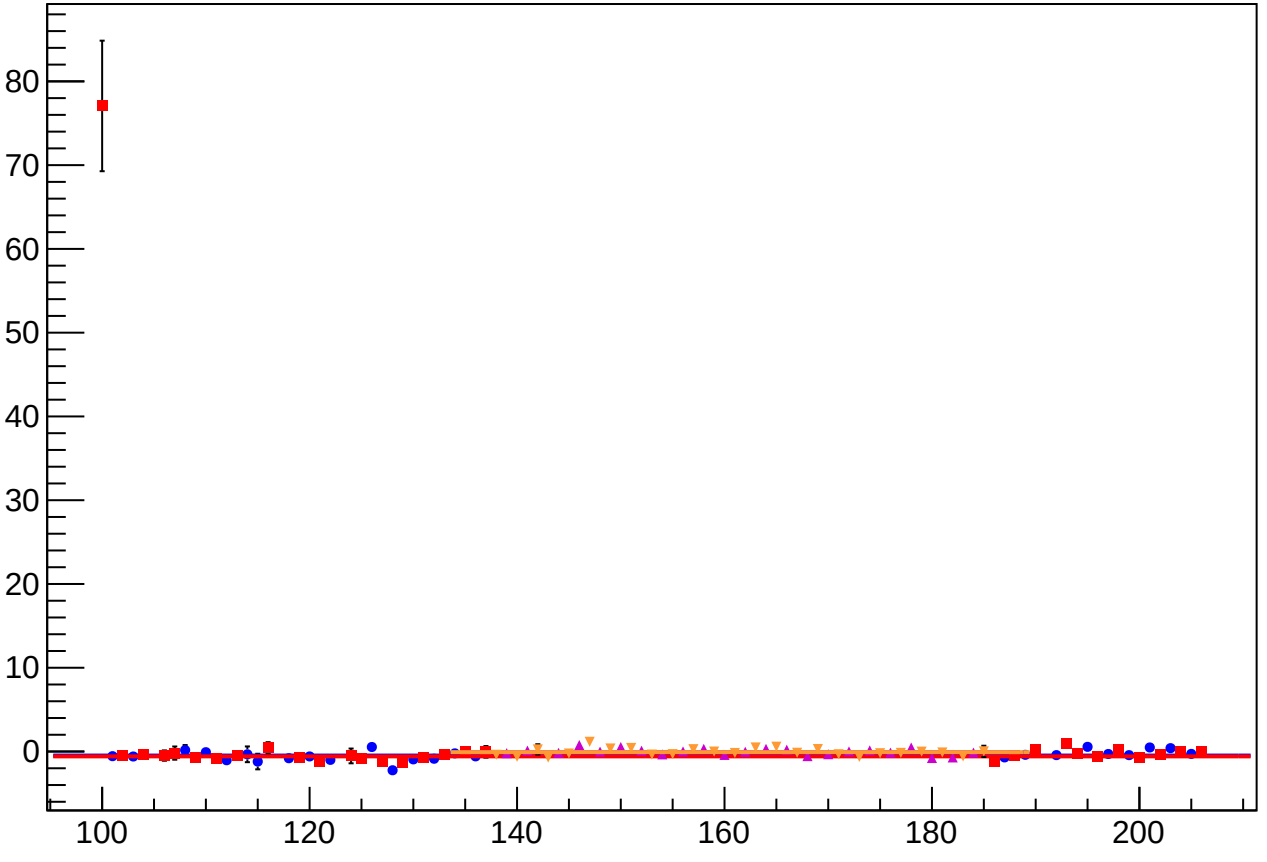
Left In: -0.216+/-0.062 χ^2/NDF:53.6/22

+ sign -0.074+/-0.050 χ^2/NDF: 100.9/49

All: -0.113+/-0.035 χ^2/NDF: 231.9/102

- sign -0.151+/-0.049 χ^2/NDF: 129.8/52

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.485+/-0.085 χ^2/NDF: 44.3/24

Left Out: -0.077+/-0.077 χ^2/NDF:30.0/24

Right Out: -0.580+/-0.068 χ^2/NDF: 145.3/29

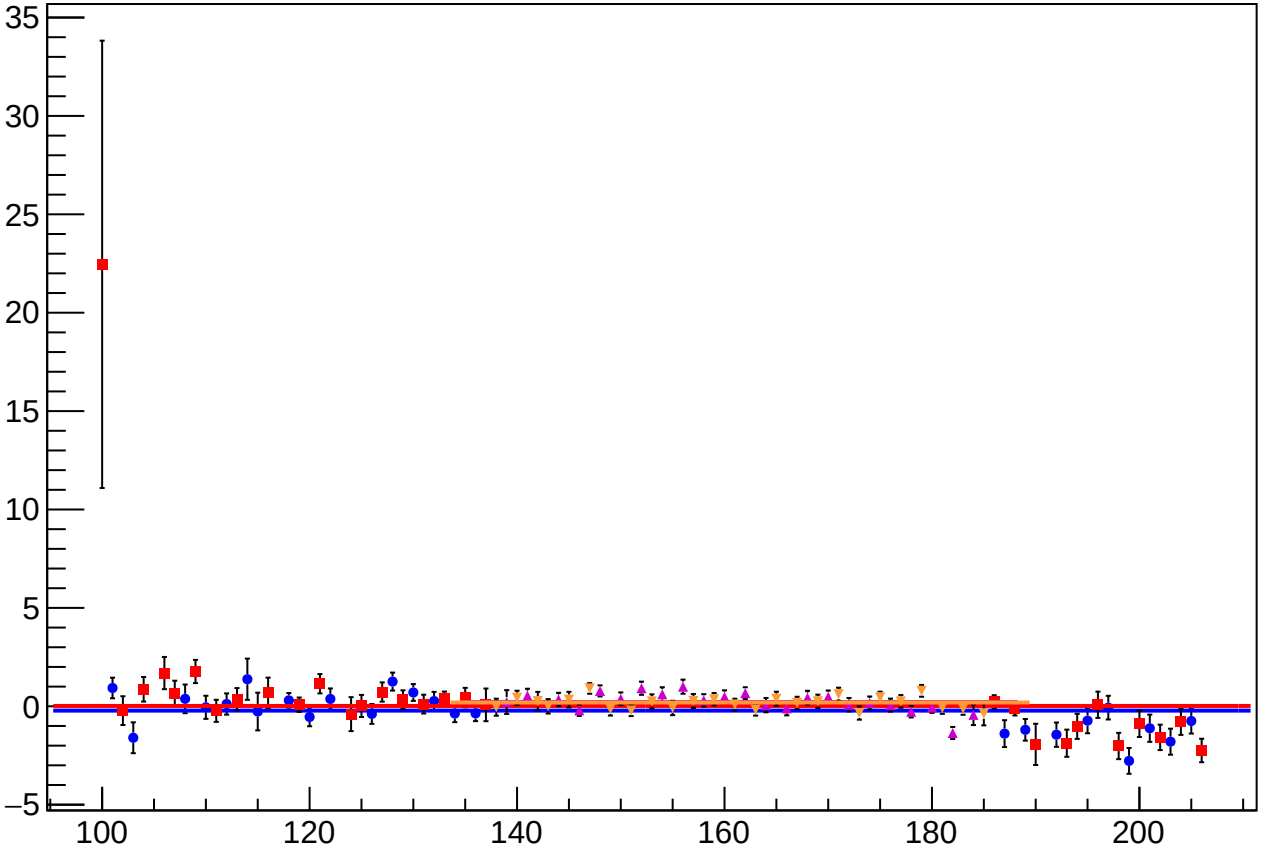
Left In: -0.075+/-0.079 χ^2/NDF:28.3/22

+ sign -0.260+/-0.057 χ^2/NDF: 87.0/49

All: -0.317+/-0.038 χ^2/NDF: 285.9/102

- sign -0.363+/-0.052 χ^2/NDF: 197.1/52

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: -0.219+/-0.109 χ^2/NDF: 65.4/24

Left Out: 0.193+/-0.067 χ^2/NDF:25.9/24

Right Out: 0.017+/-0.101 χ^2/NDF: 78.2/29

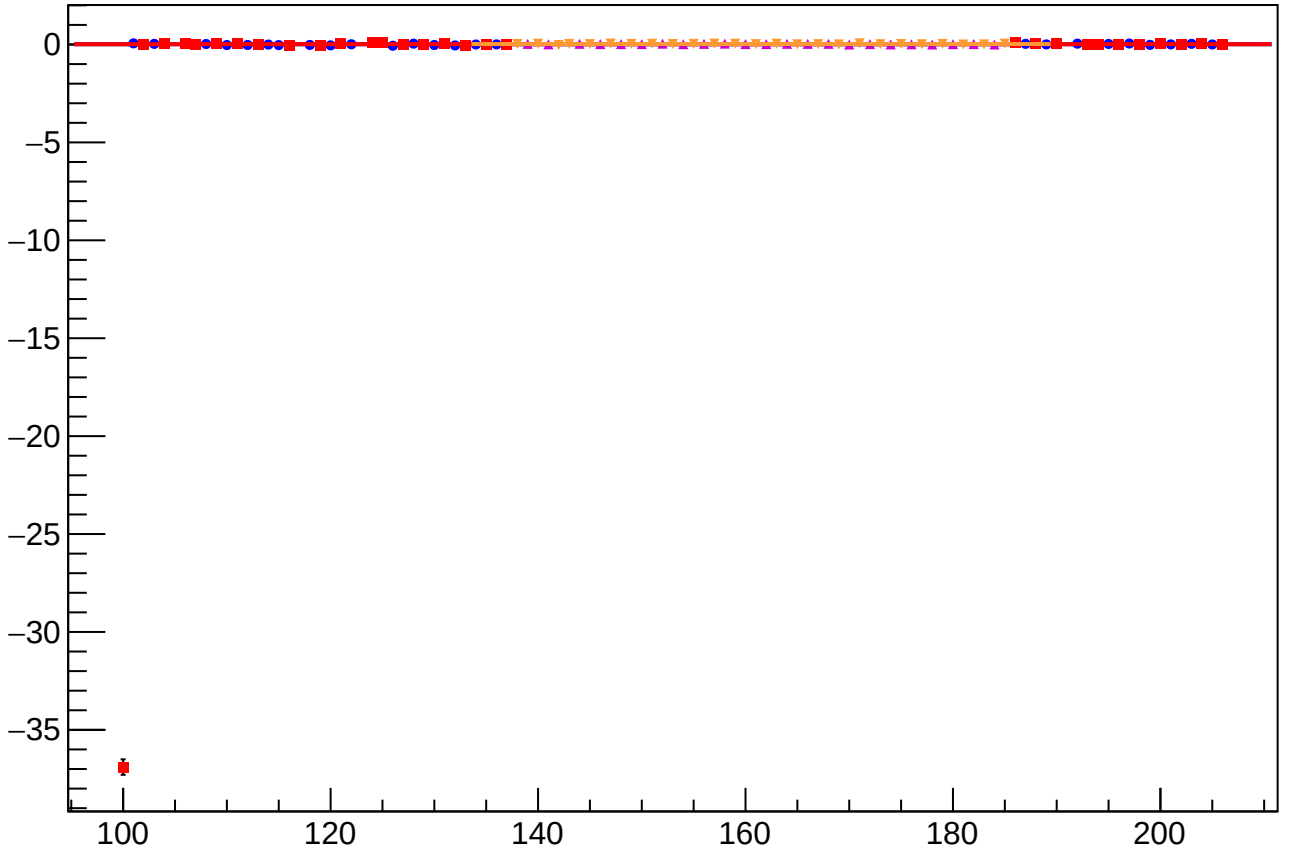
Left In: 0.215+/-0.069 χ^2/NDF:55.1/22

+ sign 0.081+/-0.057 χ^2/NDF: 101.6/49

All: 0.116+/-0.040 χ^2/NDF: 238.2/102

- sign 0.152+/-0.057 χ^2/NDF: 135.9/52

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.013+/-0.005 χ^2/NDF: 28.7/24

Left Out: 0.024+/-0.003 χ^2/NDF:30.2/24

Right Out: 0.015+/-0.005 χ^2/NDF: 8779.6/29

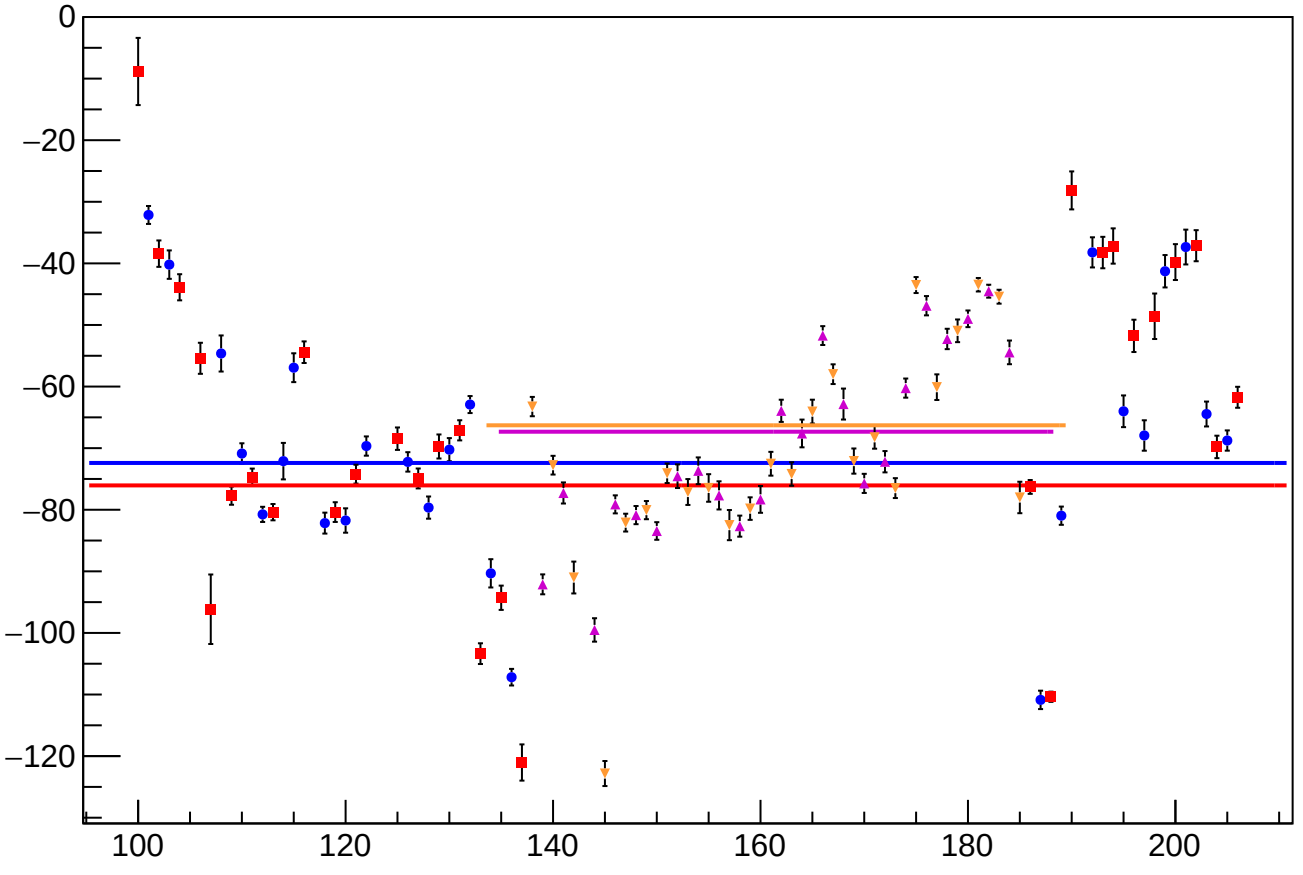
Left In: 0.024+/-0.003 χ^2/NDF:18.0/22

+ sign 0.021+/-0.003 χ^2/NDF: 62.2/49

All: 0.022+/-0.002 χ^2/NDF: 8862.2/102

- sign 0.022+/-0.003 χ^2/NDF: 8800.0/52

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -72.402+/-0.362 χ^2/NDF: 3155.3/24

Left Out: -66.289+/-0.344 χ^2/NDF:2550.4/23

Right Out: -76.049+/-0.330 χ^2/NDF: 4564.2/28

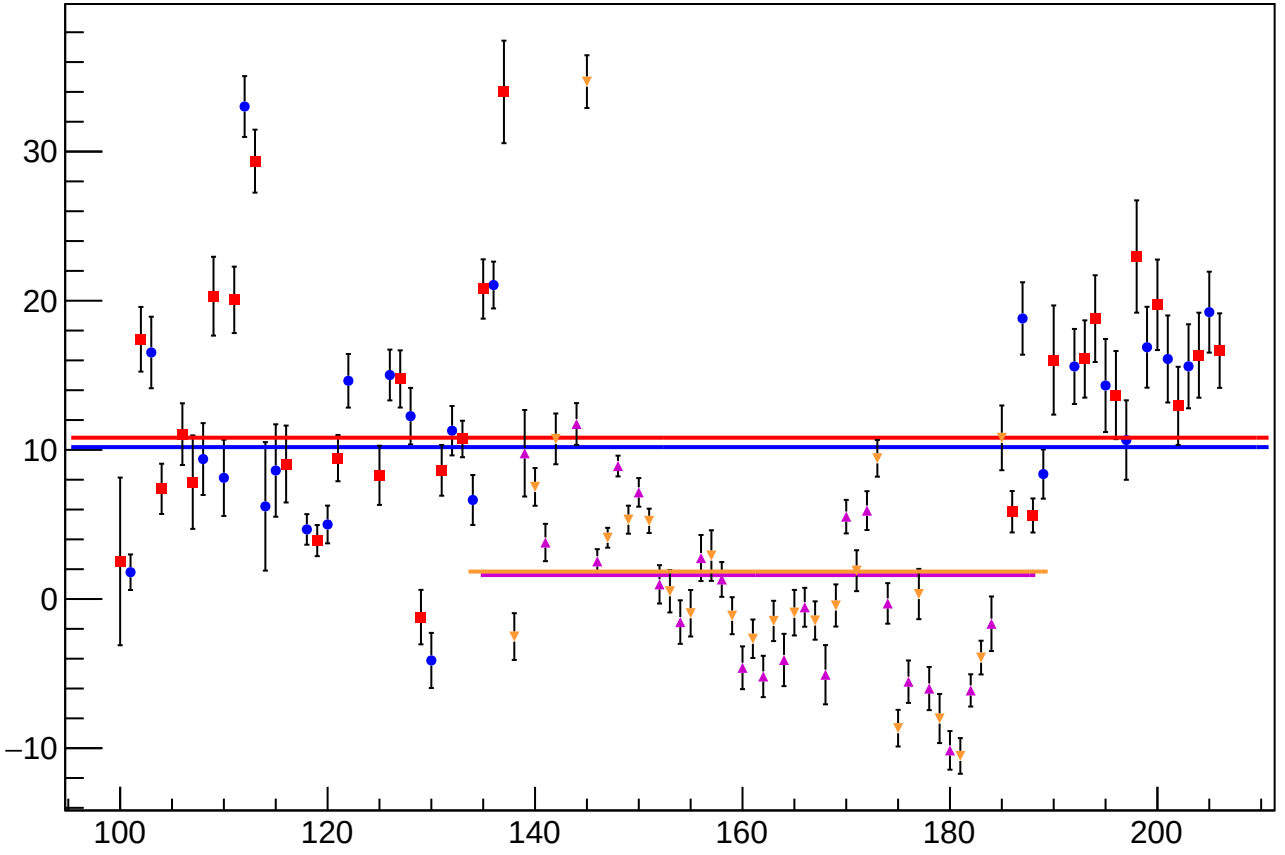
Left In: -67.331+/-0.345 χ^2/NDF:2102.6/22

+ sign -69.188+/-0.249 χ^2/NDF: 5855.6/48

All: -70.594+/-0.172 χ^2/NDF: 12916.4/100

- sign -71.882+/-0.239 χ^2/NDF: 6999.8/51

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 10.184+/-0.378 χ^2/NDF: 403.1/24

Left Out: 1.842+/-0.254 χ^2/NDF:781.5/23

Right Out: 10.817+/-0.365 χ^2/NDF: 367.5/28

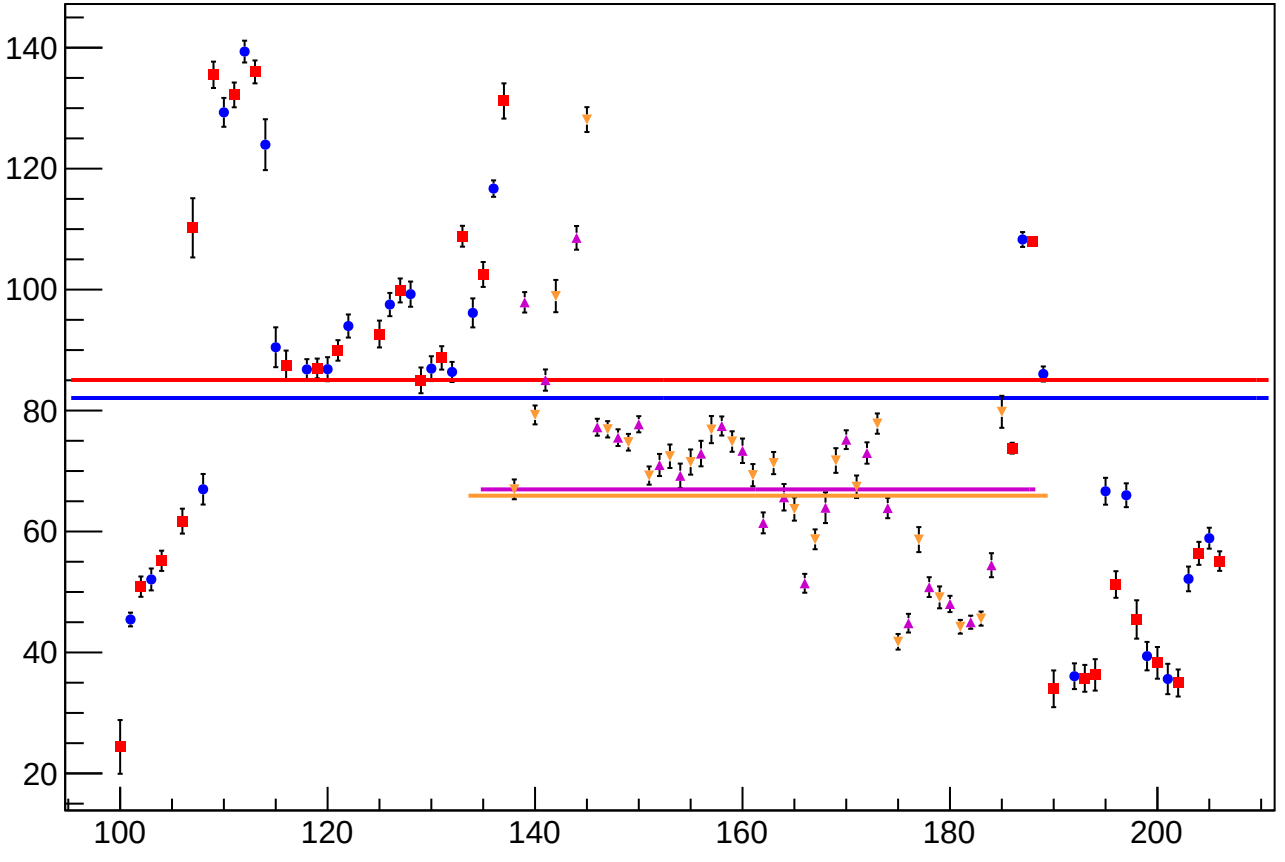
Left In: 1.605+/-0.258 χ^2/NDF:496.6/22

+ sign 4.440+/-0.211 χ^2/NDF: 1519.4/48

All: 4.562+/-0.149 χ^2/NDF: 2808.7/100

- sign 4.683+/-0.211 χ^2/NDF: 1288.7/51

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 82.076+/-0.366 χ^2/NDF: 5841.1/24

Left Out: 65.923+/-0.341 χ^2/NDF:2555.6/23

Right Out: 85.056+/-0.323 χ^2/NDF: 7708.6/28

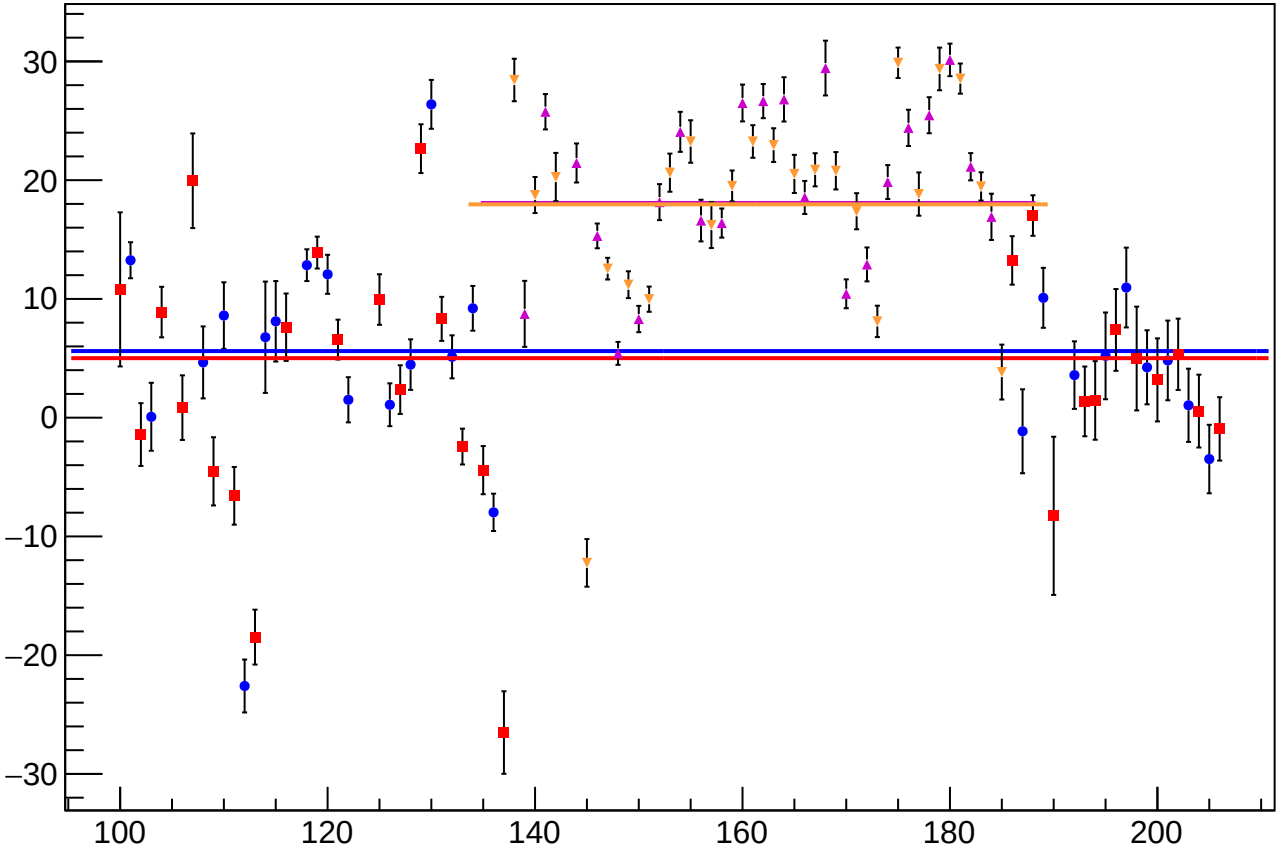
Left In: 66.964+/-0.341 χ^2/NDF:2221.3/22

+ sign 73.413+/-0.249 χ^2/NDF: 9440.2/48

All: 75.047+/-0.171 χ^2/NDF: 20932.2/100

- sign 76.495+/-0.235 χ^2/NDF: 11410.9/51

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 5.609+/-0.446 χ^2/NDF: 449.5/24

Left Out: 17.963+/-0.292 χ^2/NDF:732.1/23

Right Out: 5.011+/-0.437 χ^2/NDF: 501.8/28

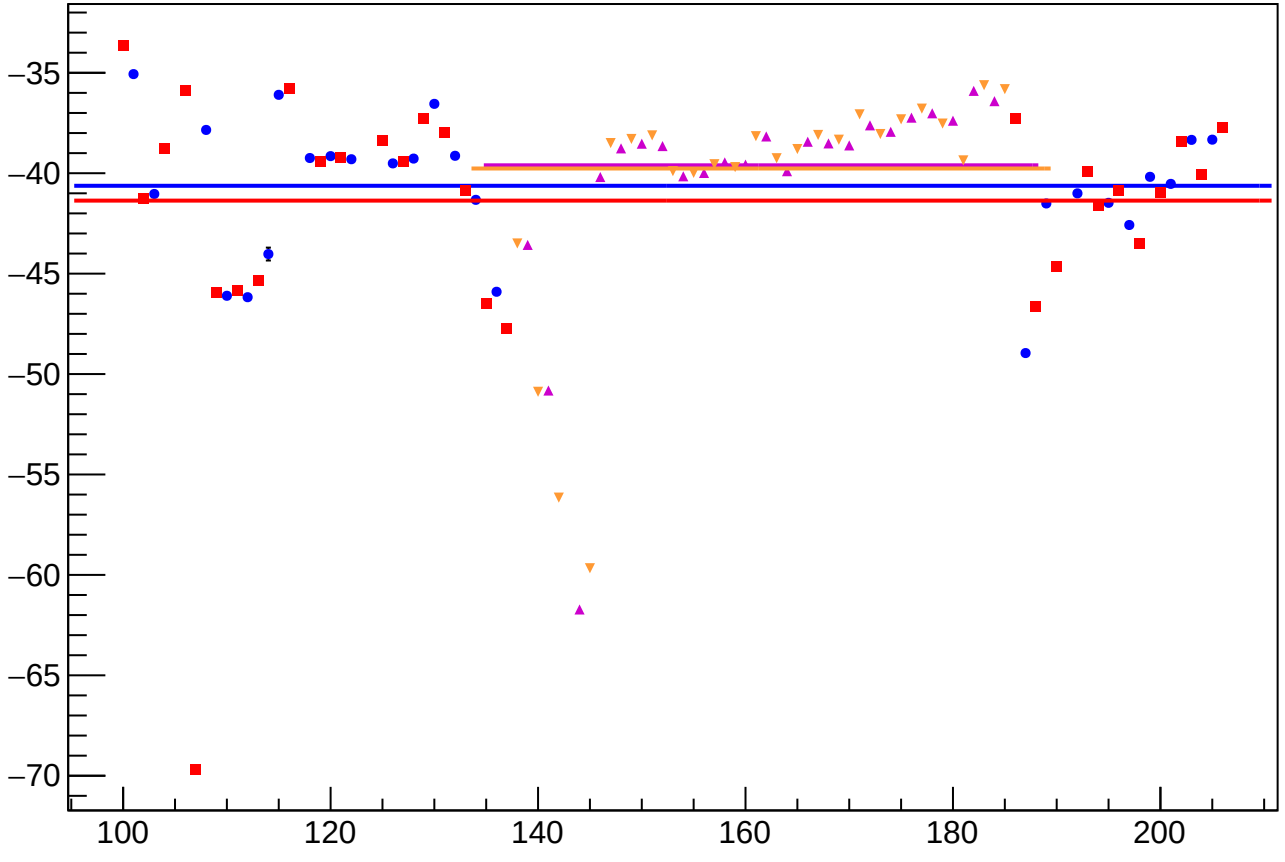
Left In: 18.079+/-0.295 χ^2/NDF:605.0/22

+ sign 14.257+/-0.244 χ^2/NDF: 1718.8/48

All: 14.123+/-0.173 χ^2/NDF: 3441.0/100

- sign 13.989+/-0.244 χ^2/NDF: 1721.6/51

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.626+/-0.022 χ^2/NDF: 21080.7/24

Left Out: -39.765+/-0.013 χ^2/NDF:129895.4/23

Right Out: -41.364+/-0.022 χ^2/NDF: 44618.1/28

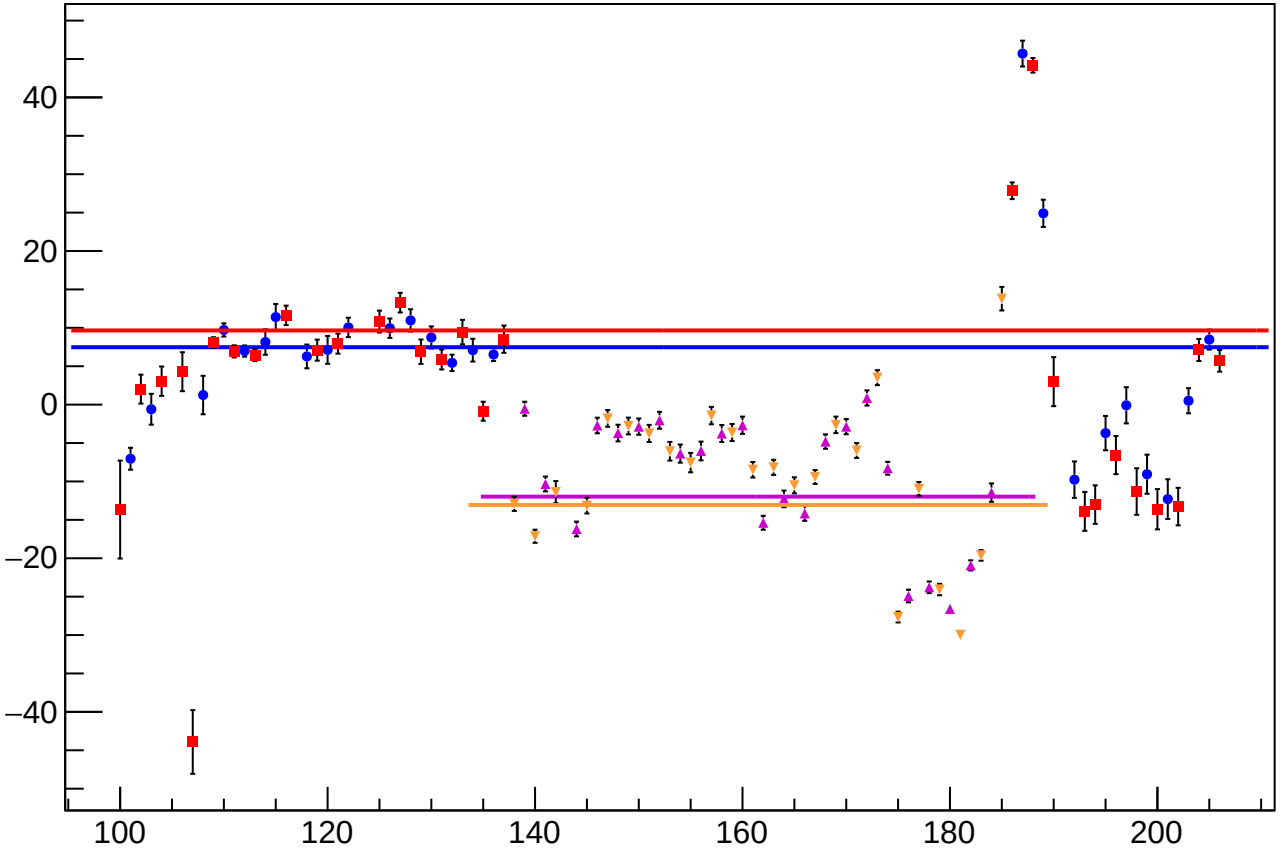
Left In: -39.606+/-0.013 χ^2/NDF:106639.2/22

+ sign -39.994+/-0.012 χ^2/NDF: 152062.2/48

All: -40.043+/-0.008 χ^2/NDF: 308111.1/100

- sign -40.090+/-0.011 χ^2/NDF: 156013.8/51

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 7.475+/-0.278 χ^2/NDF: 979.7/24

Left Out: -13.054+/-0.193 χ^2/NDF:2868.1/23

Right Out: 9.660+/-0.257 χ^2/NDF: 2387.1/28

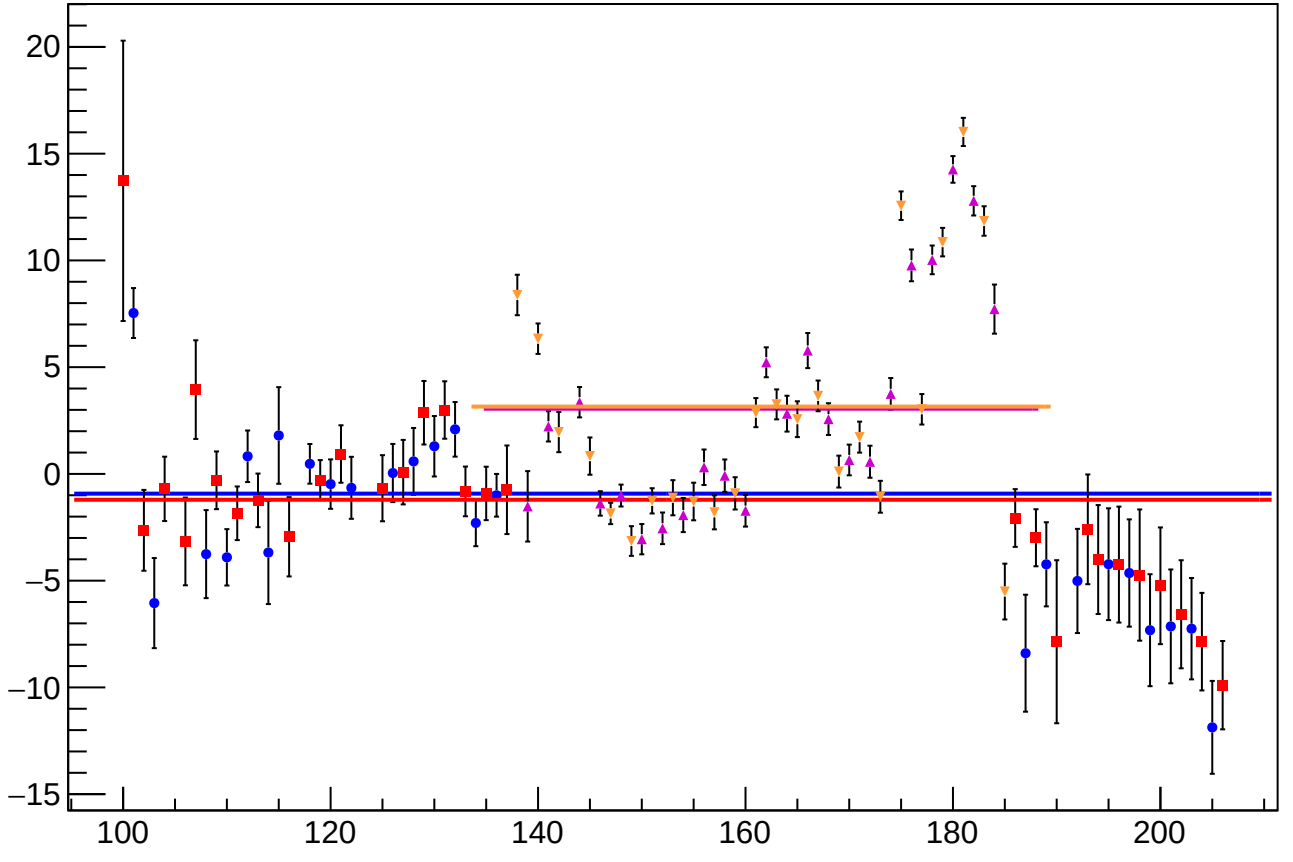
Left In: -11.978+/-0.195 χ^2/NDF:2176.6/22

\+ sign -6.383+/-0.158 χ^2/NDF: 7533.3/48

All: -5.185+/-0.111 χ^2/NDF: 16709.4/100

\- sign -4.031+/-0.155 χ^2/NDF: 9063.8/51

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.924+/-0.307 χ^2/NDF: 144.3/24

Left Out: 3.153+/-0.149 χ^2/NDF:1385.1/23

Right Out: -1.210+/-0.303 χ^2/NDF: 77.2/28

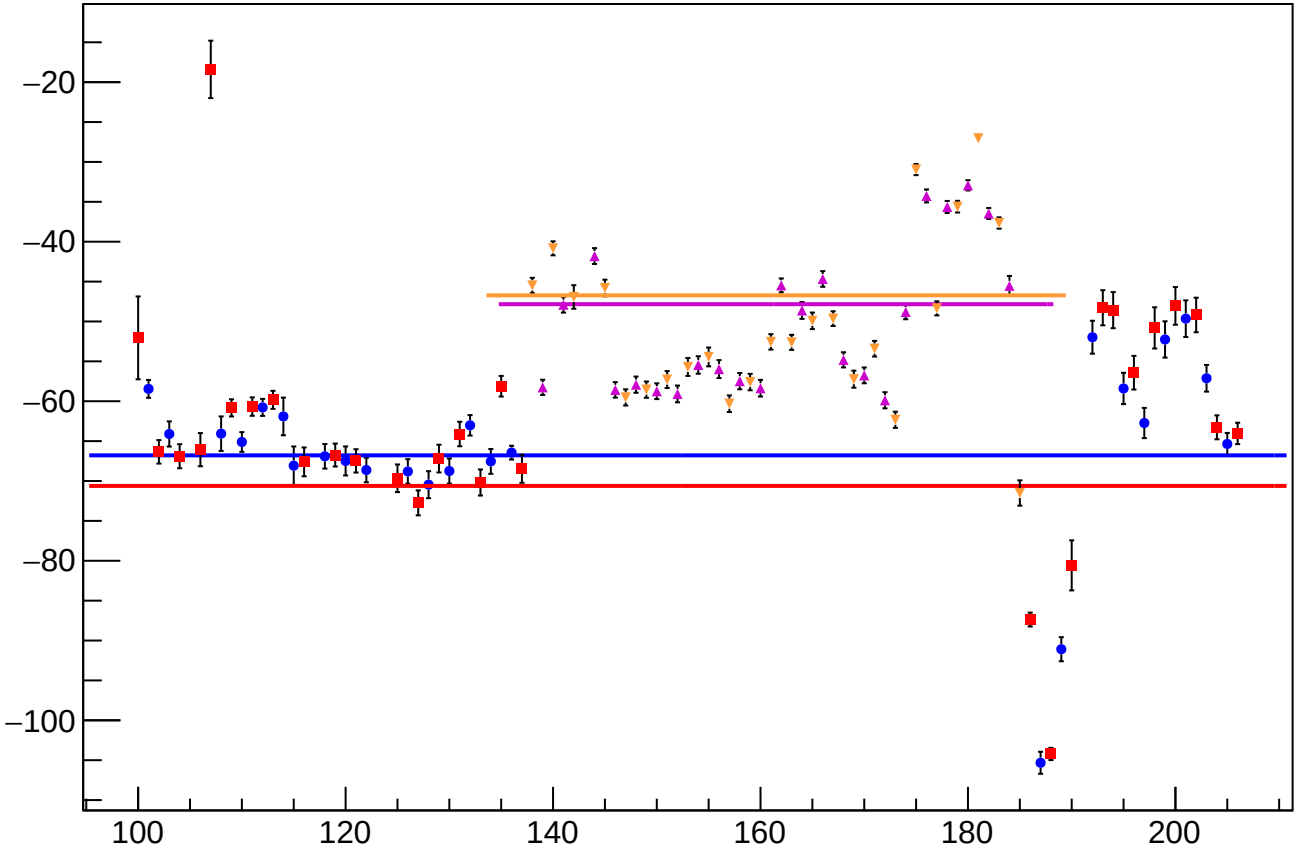
Left In: 3.055+/-0.152 χ^2/NDF:1145.0/22

+ sign 2.373+/-0.134 χ^2/NDF: 1672.3/48

All: 2.287+/-0.095 χ^2/NDF: 3053.4/100

- sign 2.199+/-0.136 χ^2/NDF: 1380.3/51

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -66.786+/-0.302 χ^2/NDF: 1360.6/24

Left Out: -46.724+/-0.192 χ^2/NDF:3446.1/23

Right Out: -70.615+/-0.277 χ^2/NDF: 3467.3/28

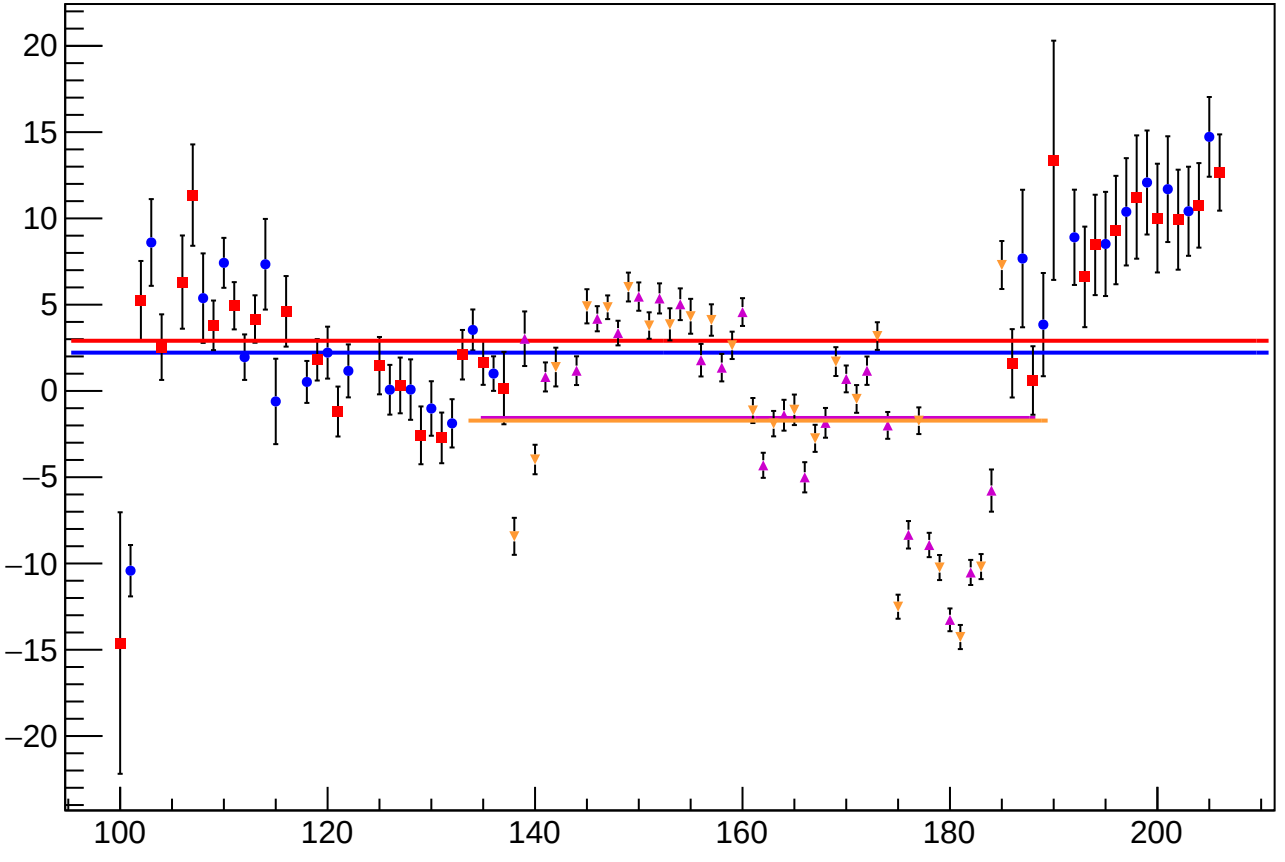
Left In: -47.835+/-0.194 χ^2/NDF:2557.6/22

\+ sign -52.485+/-0.162 χ^2/NDF: 7956.4/48

All: -53.920+/-0.113 χ^2/NDF: 18665.7/100

\- sign -55.307+/-0.159 χ^2/NDF: 10554.4/51

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 2.220+/-0.350 χ^2/NDF: 198.6/24

Left Out: -1.718+/-0.168 χ^2/NDF:1406.1/23

Right Out: 2.909+/-0.351 χ^2/NDF: 120.6/28

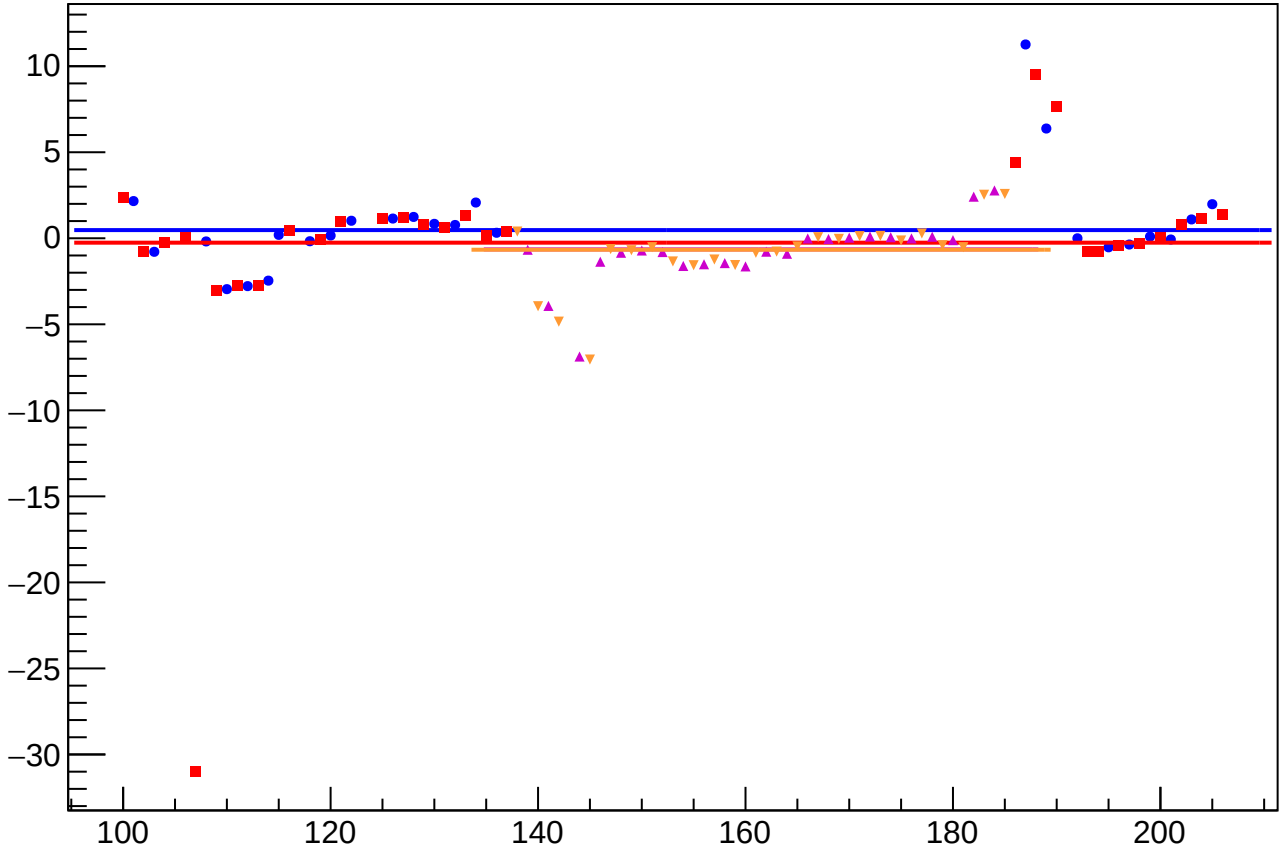
Left In: -1.567+/-0.171 χ^2/NDF:1117.7/22

+ sign -0.982+/-0.151 χ^2/NDF: 1707.6/48

All: -0.848+/-0.108 χ^2/NDF: 3079.0/100

- sign -0.711+/-0.153 χ^2/NDF: 1369.9/51

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.475+/-0.018 χ^2/NDF: 9892.1/24

Left Out: -0.666+/-0.008 χ^2/NDF:55276.7/23

Right Out: -0.256+/-0.018 χ^2/NDF: 60728.3/28

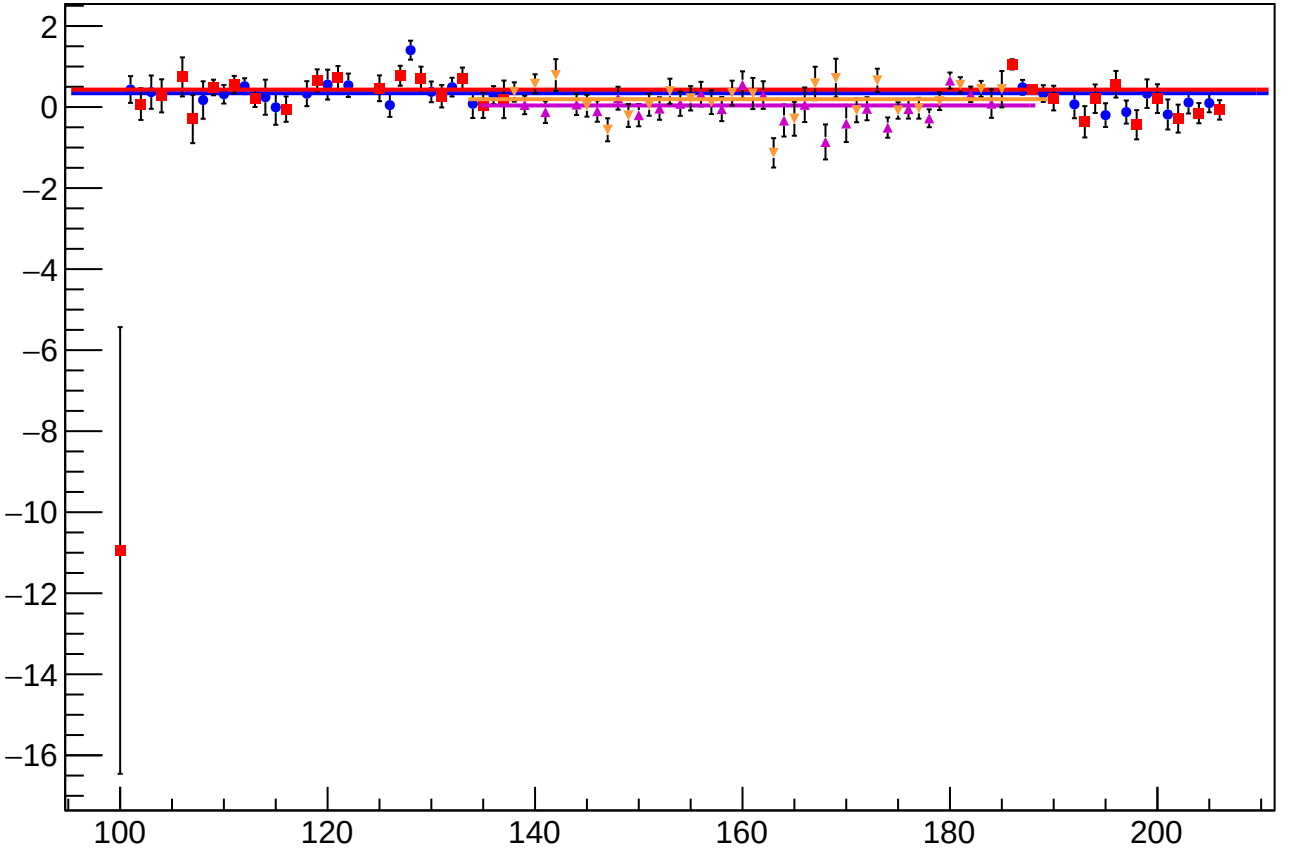
Left In: -0.646+/-0.008 χ^2/NDF:45569.5/22

+ sign -0.495+/-0.007 χ^2/NDF: 68628.2/48

All: -0.541+/-0.005 χ^2/NDF: 175420.3/100

- sign -0.587+/-0.007 χ^2/NDF: 106703.7/51

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 0.341+/-0.055 χ^2/NDF: 36.3/24

Left Out: 0.194+/-0.057 χ^2/NDF:44.2/23

Right Out: 0.431+/-0.047 χ^2/NDF: 68.4/28

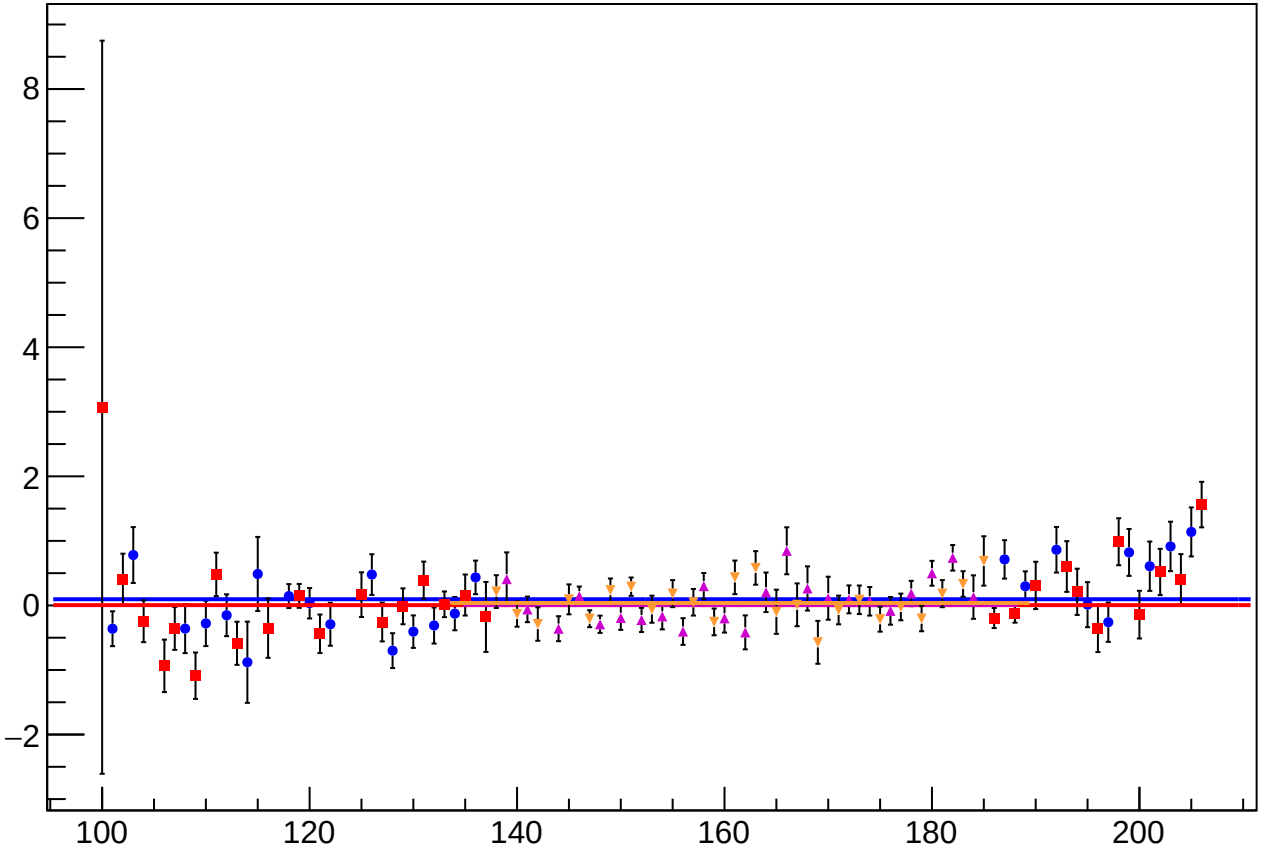
Left In: 0.039+/-0.058 χ^2/NDF:30.5/22

+ sign 0.270+/-0.039 χ^2/NDF: 83.9/48

All: 0.273+/-0.027 χ^2/NDF: 210.7/100

- sign 0.275+/-0.036 χ^2/NDF: 126.7/51

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: 0.096+/-0.061 χ^2/NDF: 60.7/24

Left Out: 0.038+/-0.043 χ^2/NDF:32.8/23

Right Out: 0.005+/-0.054 χ^2/NDF: 66.1/28

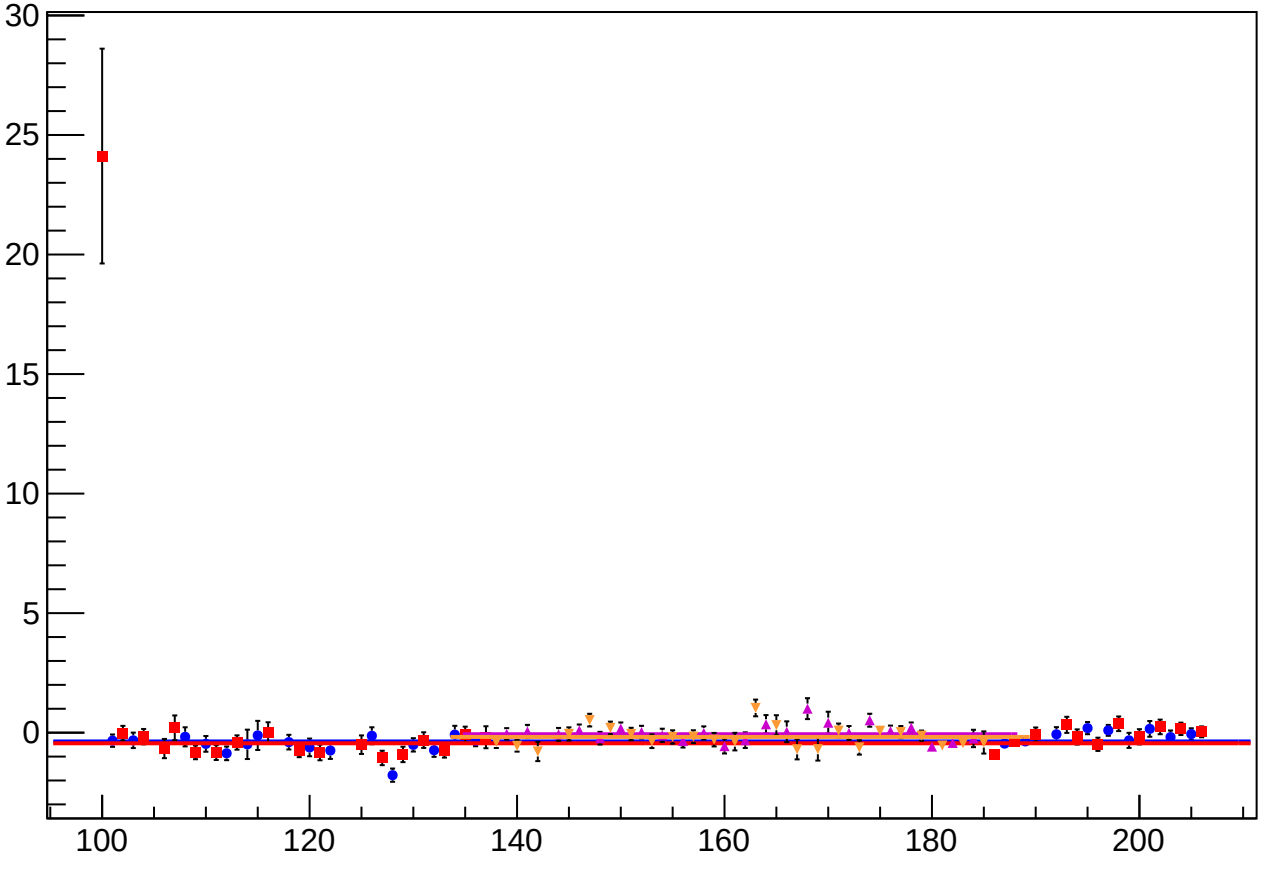
Left In: 0.008+/-0.044 χ^2/NDF:51.4/22

+ sign 0.058+/-0.035 χ^2/NDF: 94.0/48

All: 0.032+/-0.025 χ^2/NDF: 212.6/100

- sign 0.007+/-0.034 χ^2/NDF: 117.5/51

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: -0.368+/-0.055 χ^2/NDF: 49.0/24

Left Out: -0.178+/-0.056 χ^2/NDF:42.1/23

Right Out: -0.444+/-0.045 χ^2/NDF: 100.8/28

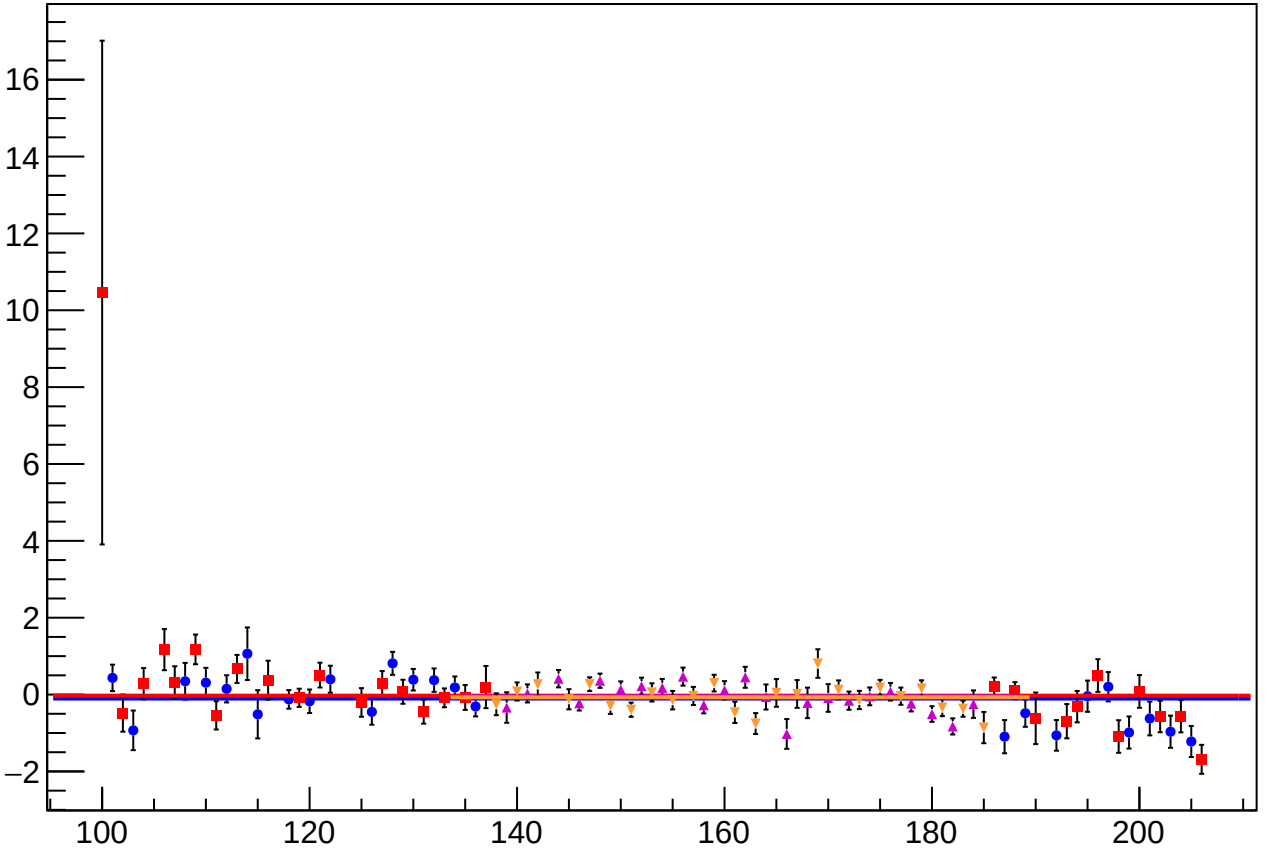
Left In: -0.066+/-0.057 χ^2/NDF:31.4/22

+ sign -0.275+/-0.039 χ^2/NDF: 97.0/48

All: -0.289+/-0.026 χ^2/NDF: 256.7/100

- sign -0.300+/-0.035 χ^2/NDF: 159.5/51

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: -0.103+/-0.071 χ^2/NDF: 61.3/24

Left Out: -0.072+/-0.049 χ^2/NDF:37.7/23

Right Out: -0.028+/-0.066 χ^2/NDF: 67.3/28

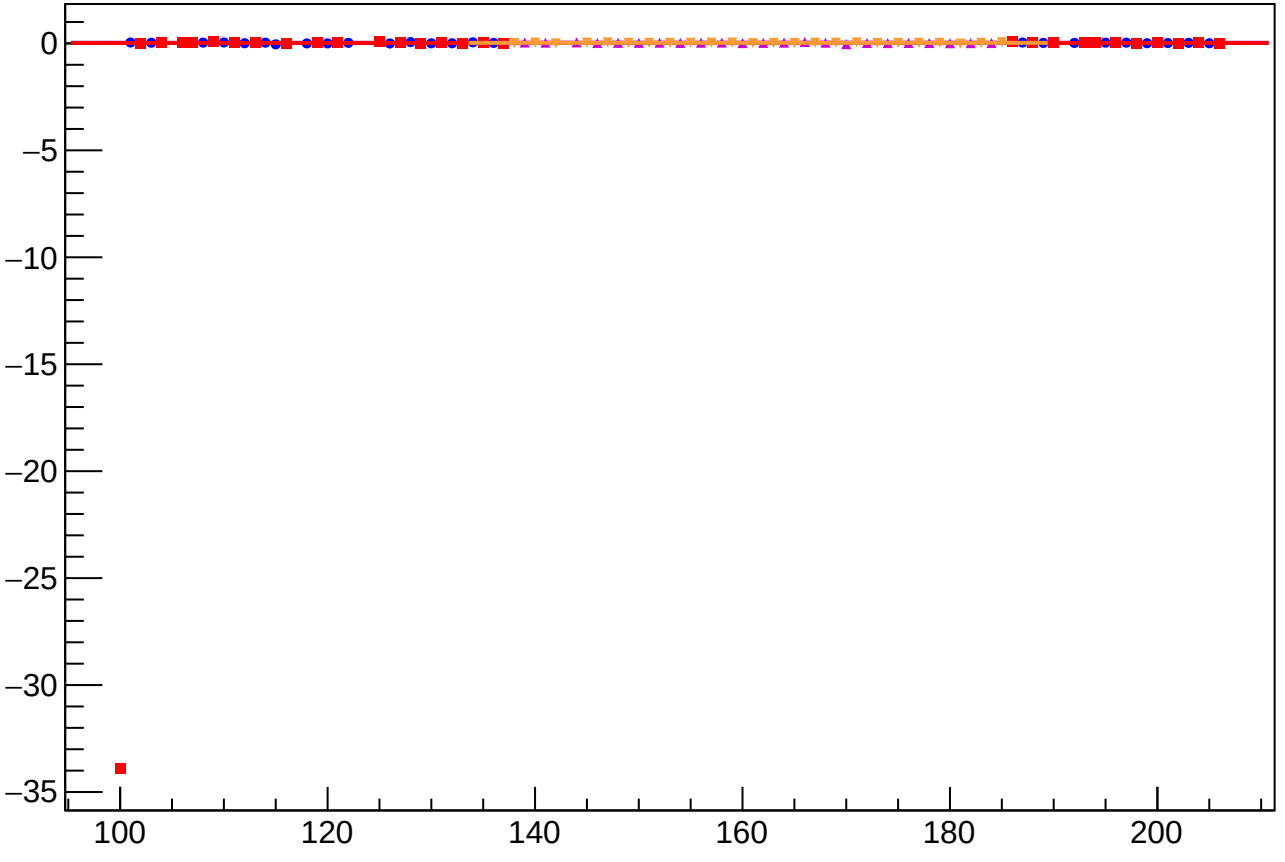
Left In: -0.047+/-0.050 χ^2/NDF:50.5/22

+ sign -0.082+/-0.041 χ^2/NDF: 99.1/48

All: -0.061+/-0.028 χ^2/NDF: 217.4/100

- sign -0.040+/-0.040 χ^2/NDF: 117.8/51

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: 0.025+/-0.003 χ^2/NDF: 20.2/24

Left Out: 0.026+/-0.002 χ^2/NDF:31.4/23

Right Out: 0.022+/-0.003 χ^2/NDF: 22315.0/28

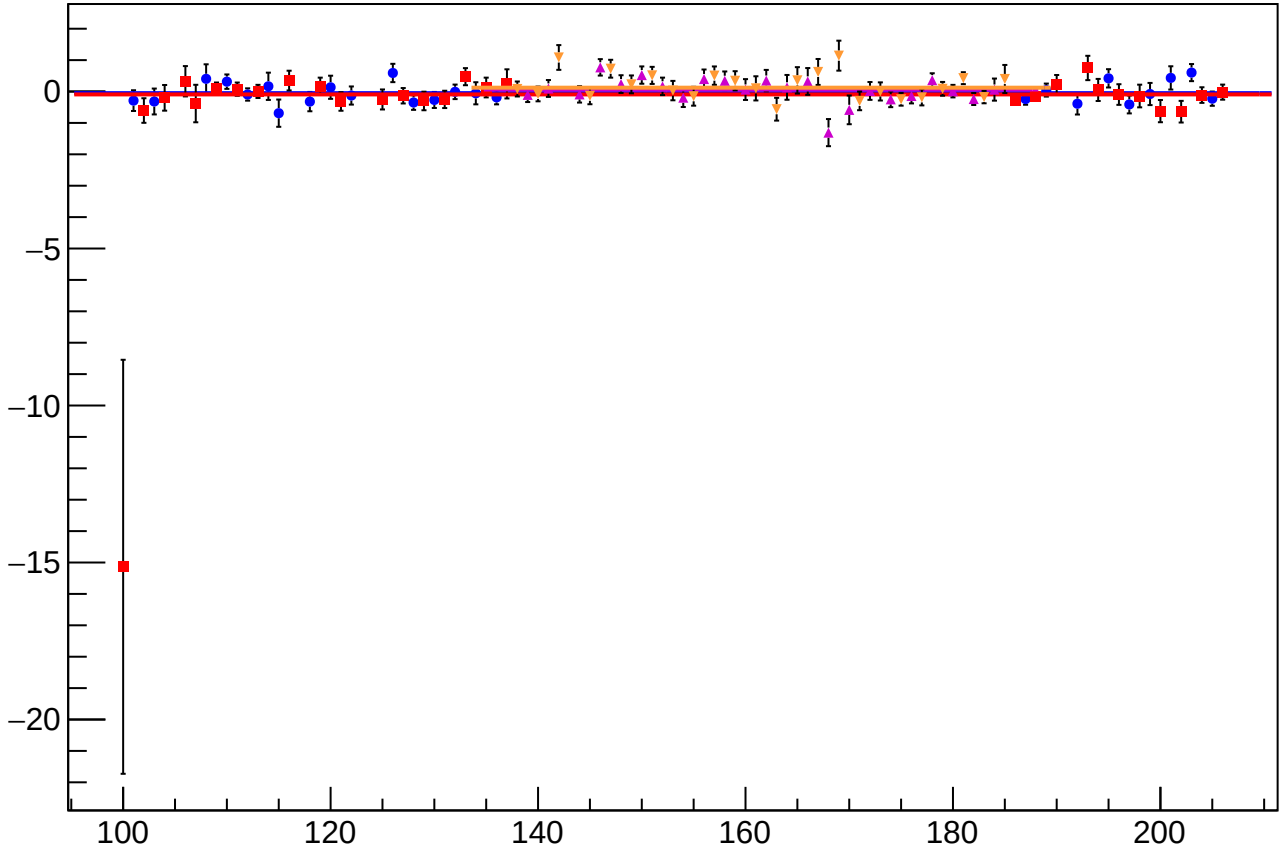
Left In: 0.026+/-0.002 χ^2/NDF:39.5/22

+ sign 0.026+/-0.002 χ^2/NDF: 51.7/48

All: 0.025+/-0.001 χ^2/NDF: 22407.5/100

- sign 0.025+/-0.002 χ^2/NDF: 22355.7/51

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -0.052+/-0.055 χ^2/NDF: 30.1/24

Left Out: 0.122+/-0.057 χ^2/NDF:39.6/23

Right Out: -0.092+/-0.047 χ^2/NDF: 33.6/28

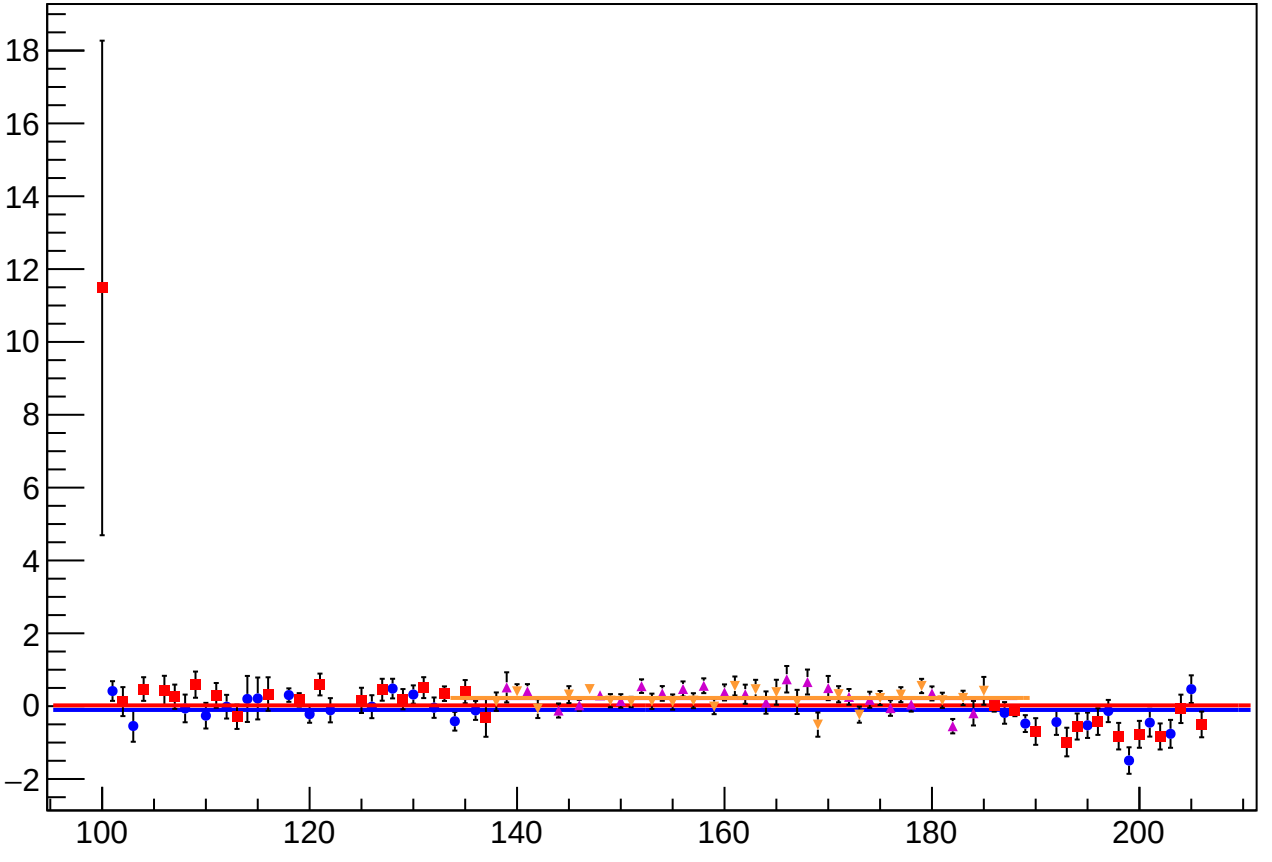
Left In: 0.063+/-0.058 χ^2/NDF:34.2/22

+ sign 0.032+/-0.039 χ^2/NDF: 74.6/48

All: -0.001+/-0.027 χ^2/NDF: 148.2/100

- sign -0.030+/-0.036 χ^2/NDF: 72.2/51

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: -0.104+/-0.061 χ^2/NDF: 45.5/24

Left Out: 0.225+/-0.043 χ^2/NDF:24.1/23

Right Out: 0.021+/-0.054 χ^2/NDF: 58.4/28

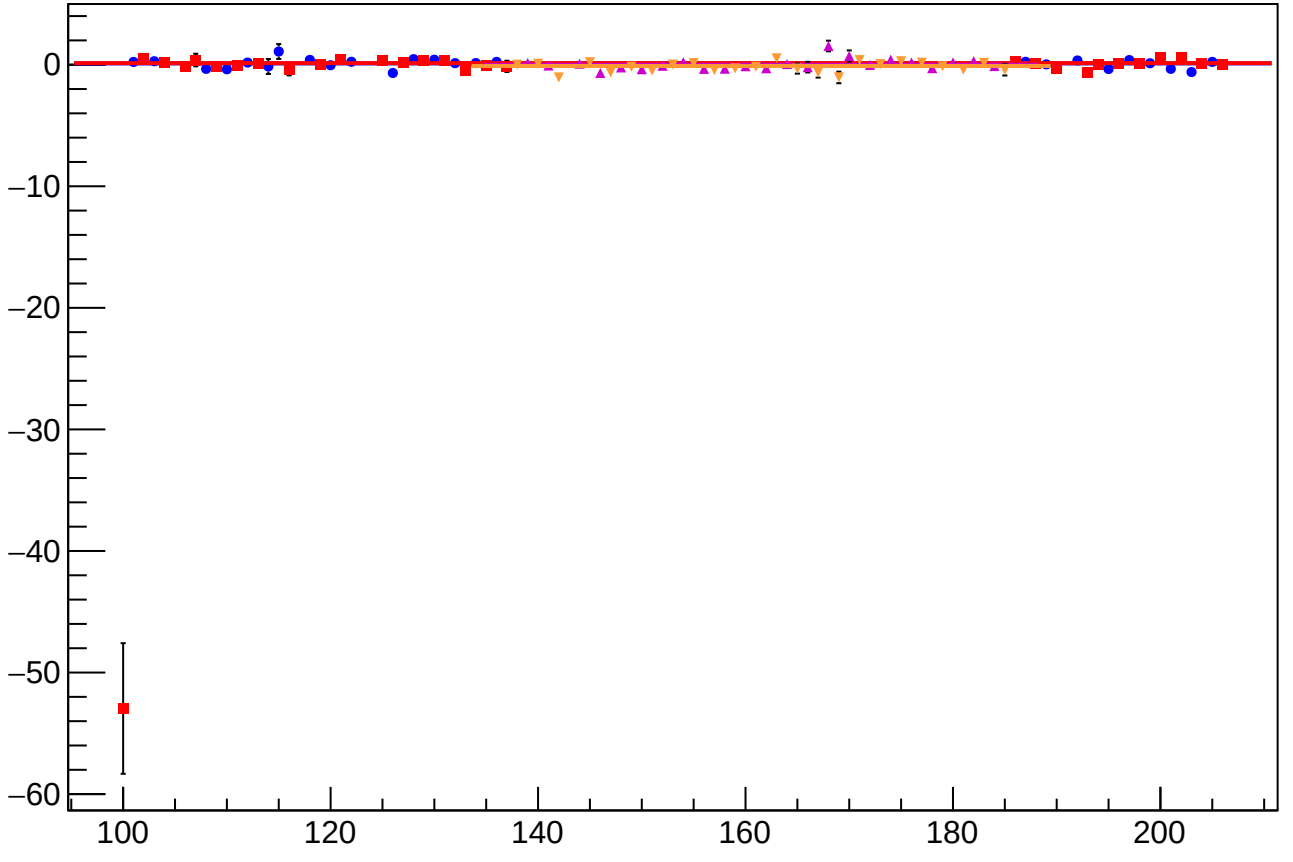
Left In: 0.221+/-0.044 χ^2/NDF:39.3/22

+ sign 0.114+/-0.035 χ^2/NDF: 89.1/48

All: 0.128+/-0.025 χ^2/NDF: 195.4/100

- sign 0.142+/-0.034 χ^2/NDF: 105.9/51

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.108+/-0.055 χ^2/NDF: 31.2/24

Left Out: -0.105+/-0.056 χ^2/NDF:37.6/23

Right Out: 0.129+/-0.045 χ^2/NDF: 122.8/28

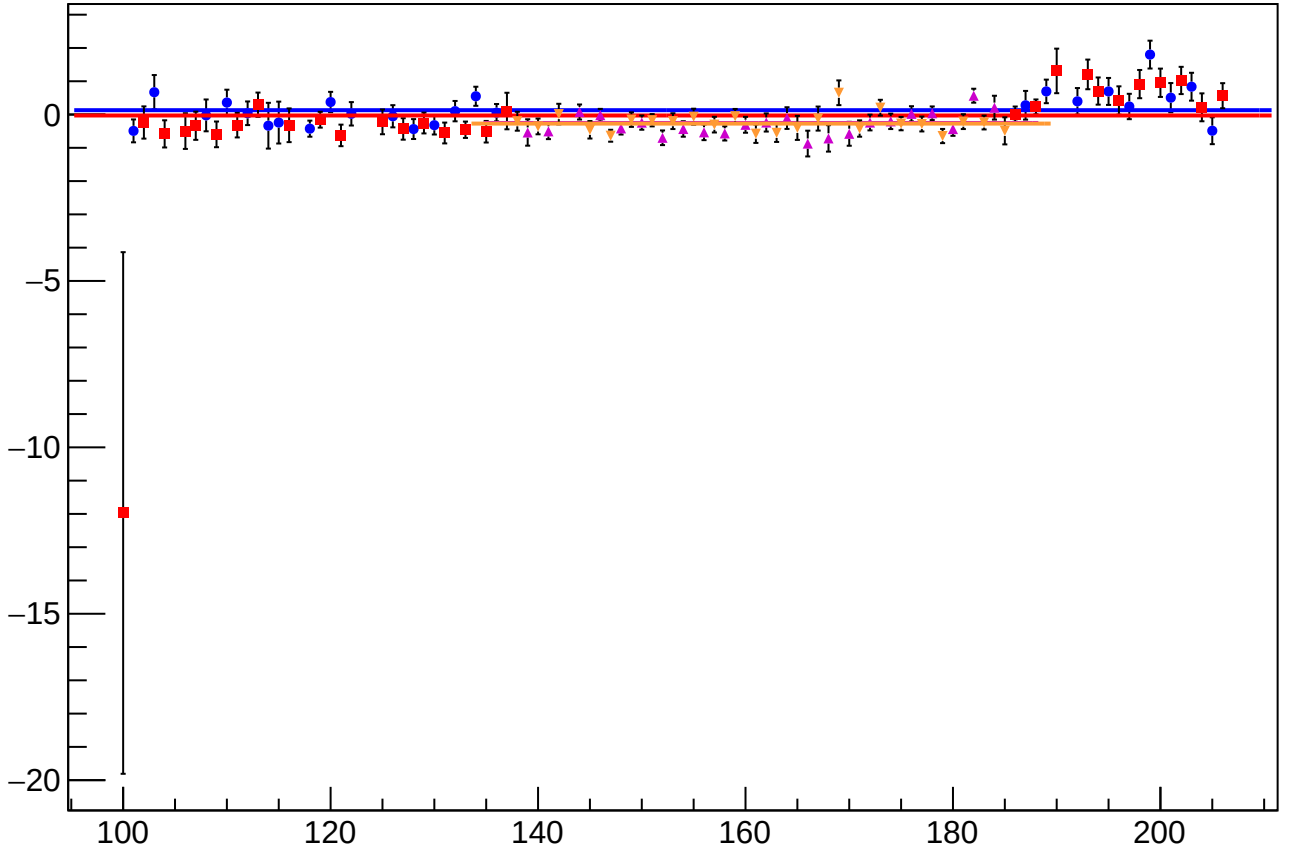
Left In: -0.009+/-0.057 χ^2/NDF:38.0/22

+ sign 0.004+/-0.039 χ^2/NDF: 76.1/48

All: 0.044+/-0.026 χ^2/NDF: 242.3/100

- sign 0.076+/-0.035 χ^2/NDF: 164.4/51

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: 0.131+/-0.071 χ^2/NDF: 47.4/24

Left Out: -0.272+/-0.049 χ^2/NDF:24.8/23

Right Out: -0.029+/-0.066 χ^2/NDF: 61.0/28

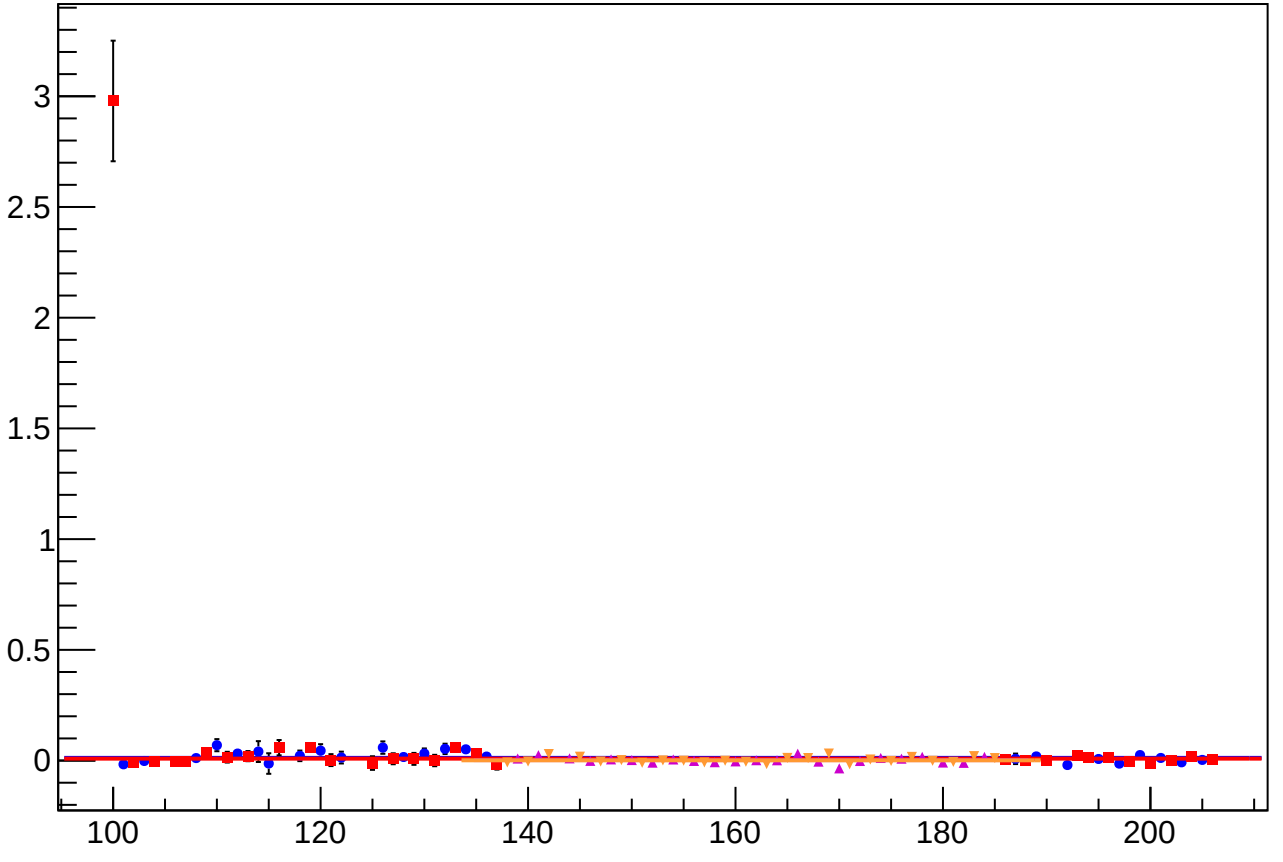
Left In: -0.254+/-0.050 χ^2/NDF:40.6/22

+ sign -0.141+/-0.041 χ^2/NDF: 93.9/48

All: -0.157+/-0.028 χ^2/NDF: 203.0/100

- sign -0.172+/-0.040 χ^2/NDF: 108.9/51

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: 0.012+/-0.003 χ^2/NDF: 40.0/24

Left Out: 0.001+/-0.002 χ^2/NDF:26.7/23

Right Out: 0.009+/-0.003 χ^2/NDF: 149.7/28

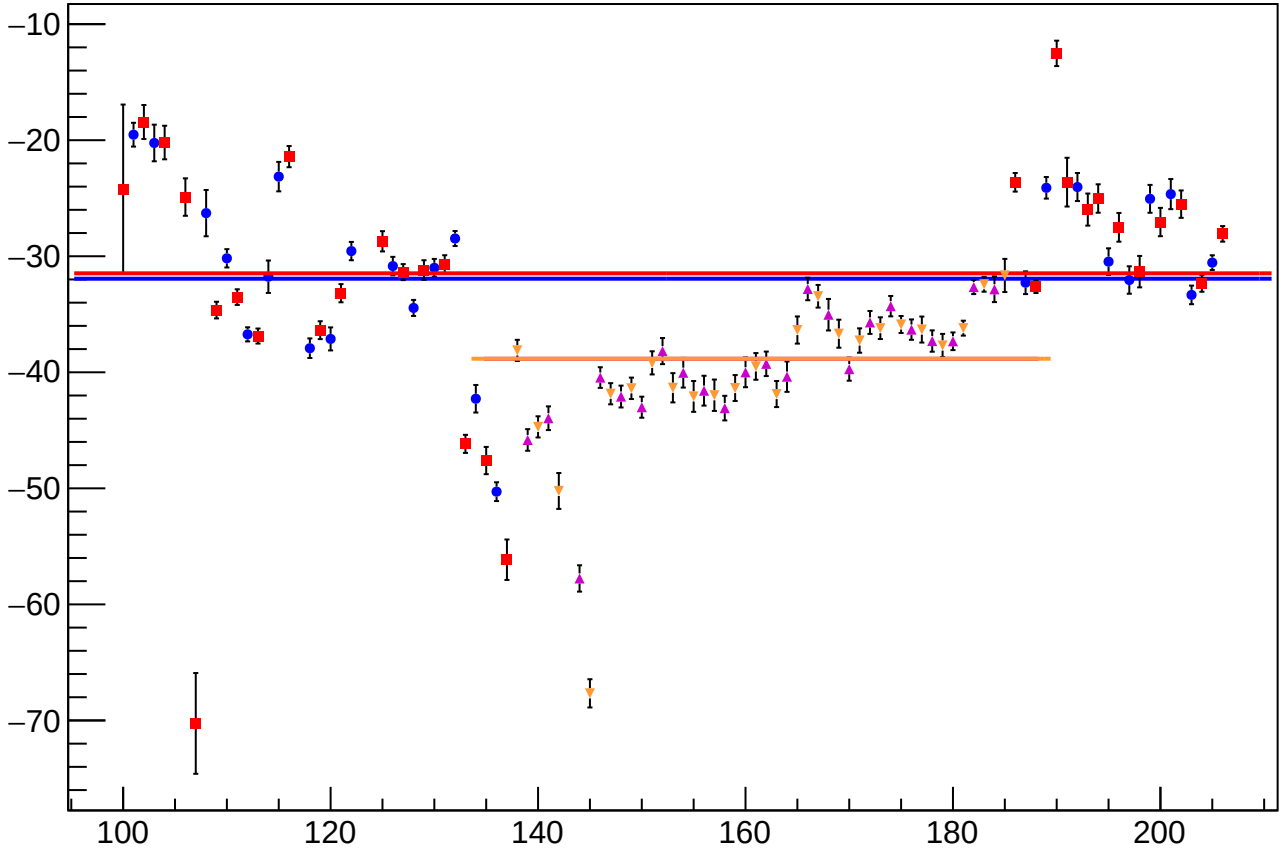
Left In: 0.002+/-0.002 χ^2/NDF:24.6/22

+ sign 0.004+/-0.002 χ^2/NDF: 74.0/48

All: 0.004+/-0.001 χ^2/NDF: 251.2/100

- sign 0.004+/-0.002 χ^2/NDF: 177.2/51

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -31.936+/-0.180 χ^2/NDF: 1232.5/24

Left Out: -38.829+/-0.202 χ^2/NDF:917.0/23

Right Out: -31.472+/-0.168 χ^2/NDF: 1792.2/29

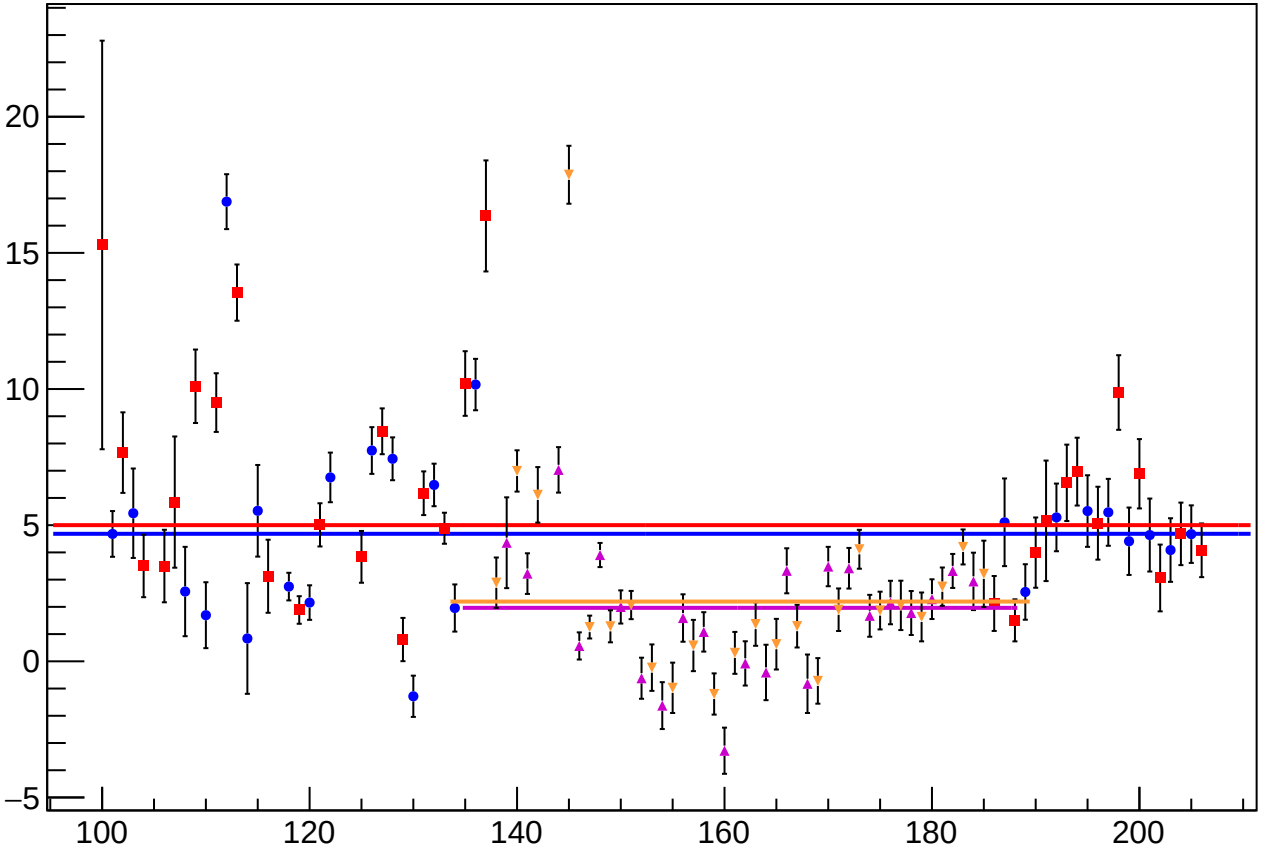
Left In: -38.837+/-0.203 χ^2/NDF:653.4/22

+ sign -34.994+/-0.135 χ^2/NDF: 2797.0/48

All: -34.713+/-0.093 χ^2/NDF: 6031.5/101

- sign -34.453+/-0.129 χ^2/NDF: 3226.1/52

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 4.683+/-0.193 χ^2/NDF: 335.5/24

Left Out: 2.195+/-0.152 χ^2/NDF:365.1/23

Right Out: 5.001+/-0.186 χ^2/NDF: 298.0/29

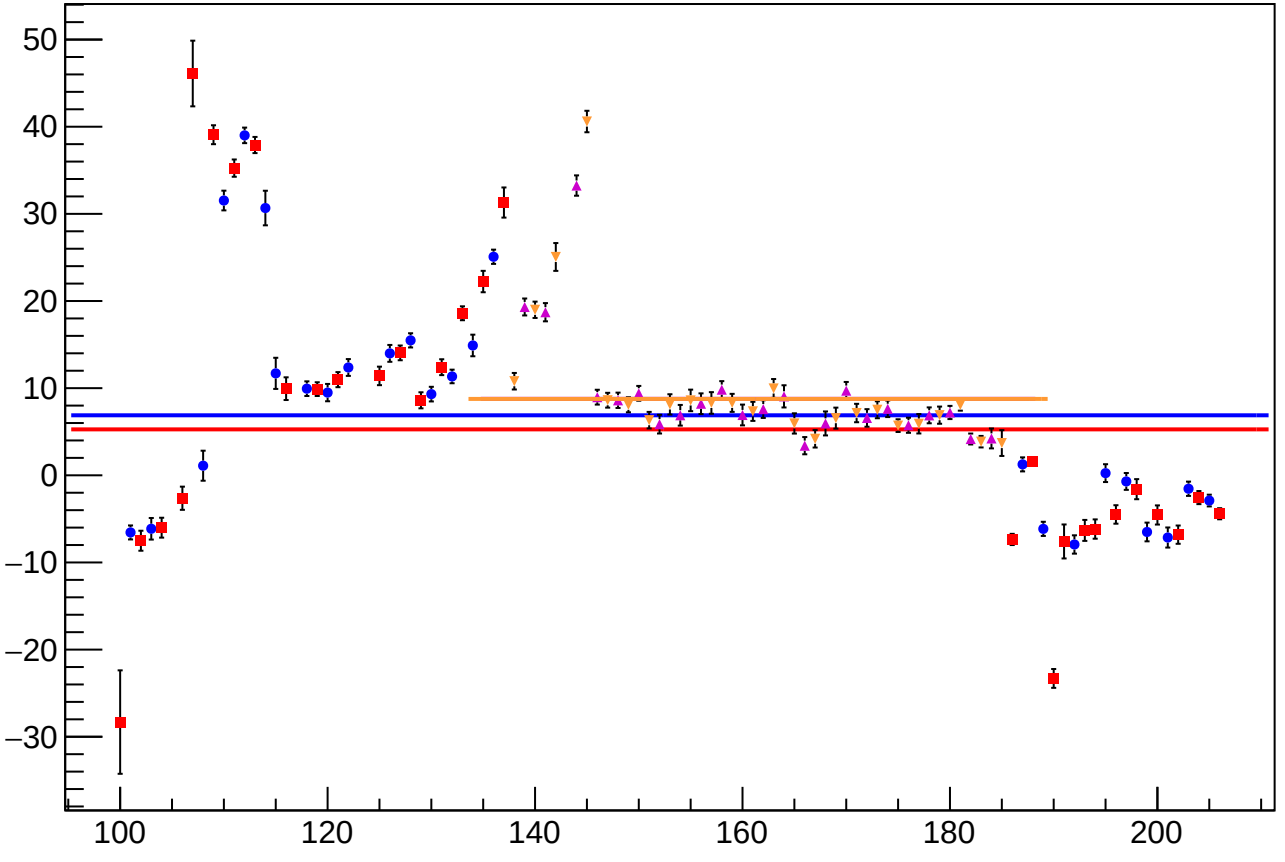
Left In: 1.964+/-0.155 χ^2/NDF:173.2/22

+ sign 3.150+/-0.119 χ^2/NDF: 803.1/48

All: 3.177+/-0.084 χ^2/NDF: 1431.8/101

- sign 3.204+/-0.119 χ^2/NDF: 628.6/52

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 6.886+/-0.190 χ^2/NDF: 4350.0/24

Left Out: 8.766+/-0.200 χ^2/NDF:1035.4/23

Right Out: 5.271+/-0.172 χ^2/NDF: 6602.3/29

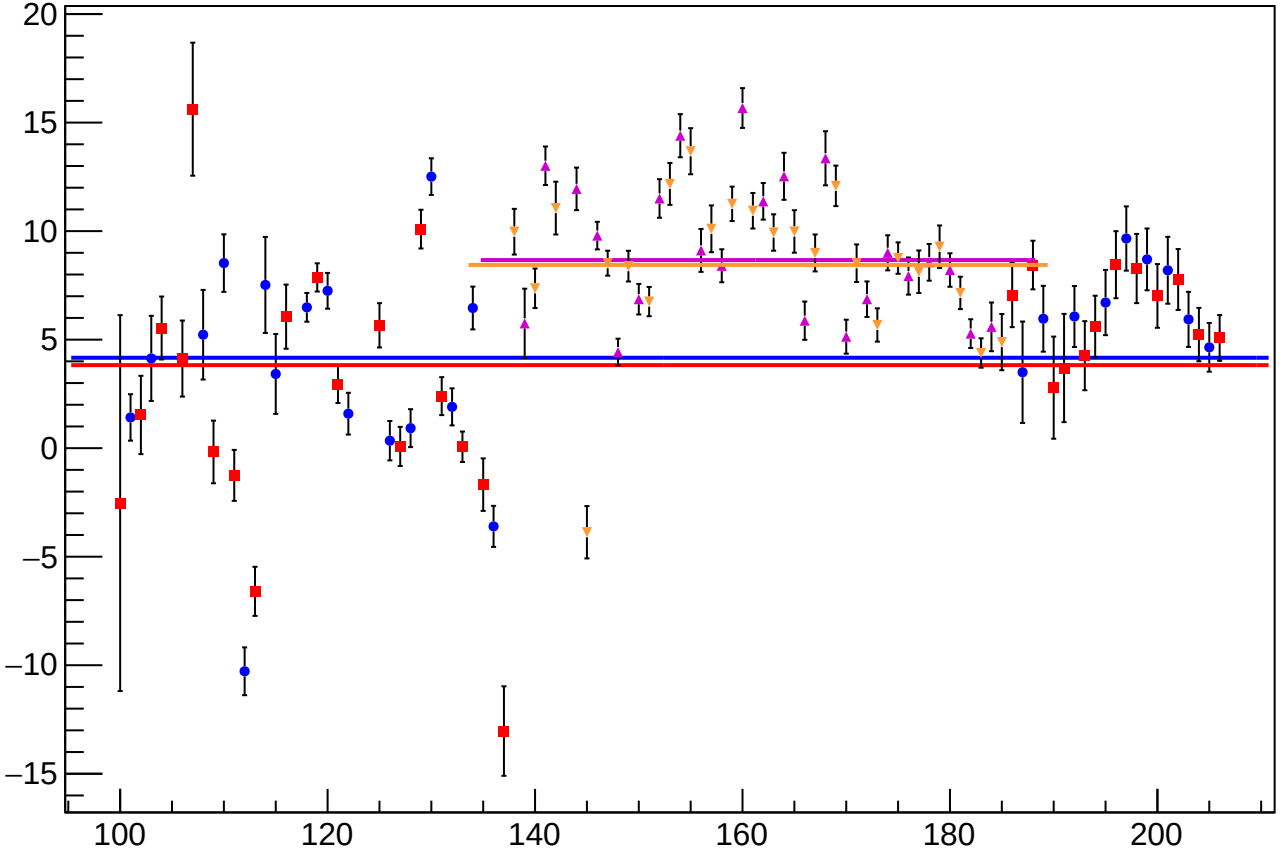
Left In: 8.773+/-0.201 χ^2/NDF:795.1/22

+ sign 7.775+/-0.138 χ^2/NDF: 5431.6/48

All: 7.236+/-0.095 χ^2/NDF: 13032.7/101

- sign 6.750+/-0.131 χ^2/NDF: 7572.0/52

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.166+/-0.224 χ^2/NDF: 474.0/24

Left Out: 8.442+/-0.174 χ^2/NDF:264.2/23

Right Out: 3.825+/-0.219 χ^2/NDF: 416.3/29

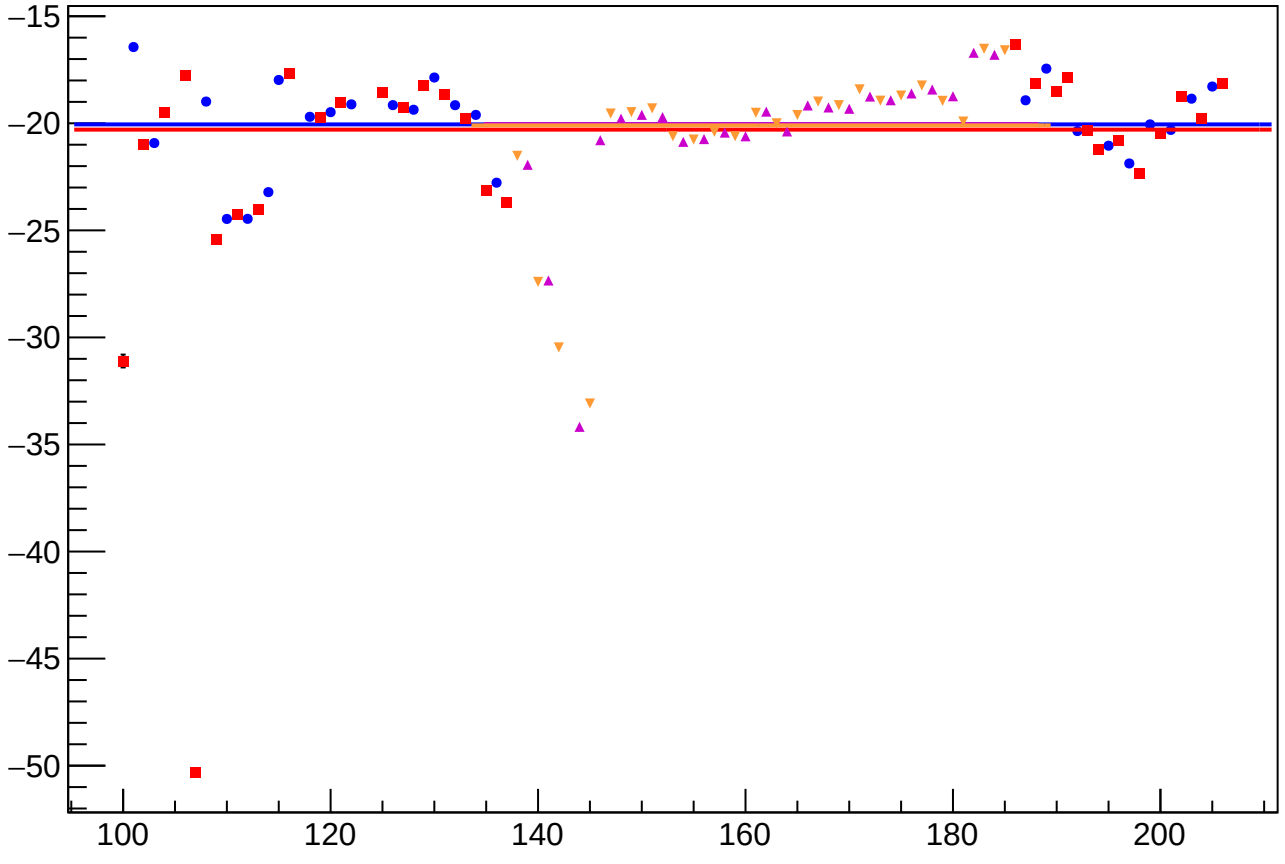
Left In: 8.666+/-0.176 χ^2/NDF:304.8/22

+ sign 6.840+/-0.137 χ^2/NDF: 965.7/48

All: 6.803+/-0.097 χ^2/NDF: 1985.2/101

- sign 6.766+/-0.137 χ^2/NDF: 1019.3/52

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -20.051+/-0.011 χ^2/NDF: 25597.0/24

Left Out: -20.096+/-0.008 χ^2/NDF:159293.0/23

Right Out: -20.296+/-0.011 χ^2/NDF: 71472.4/29

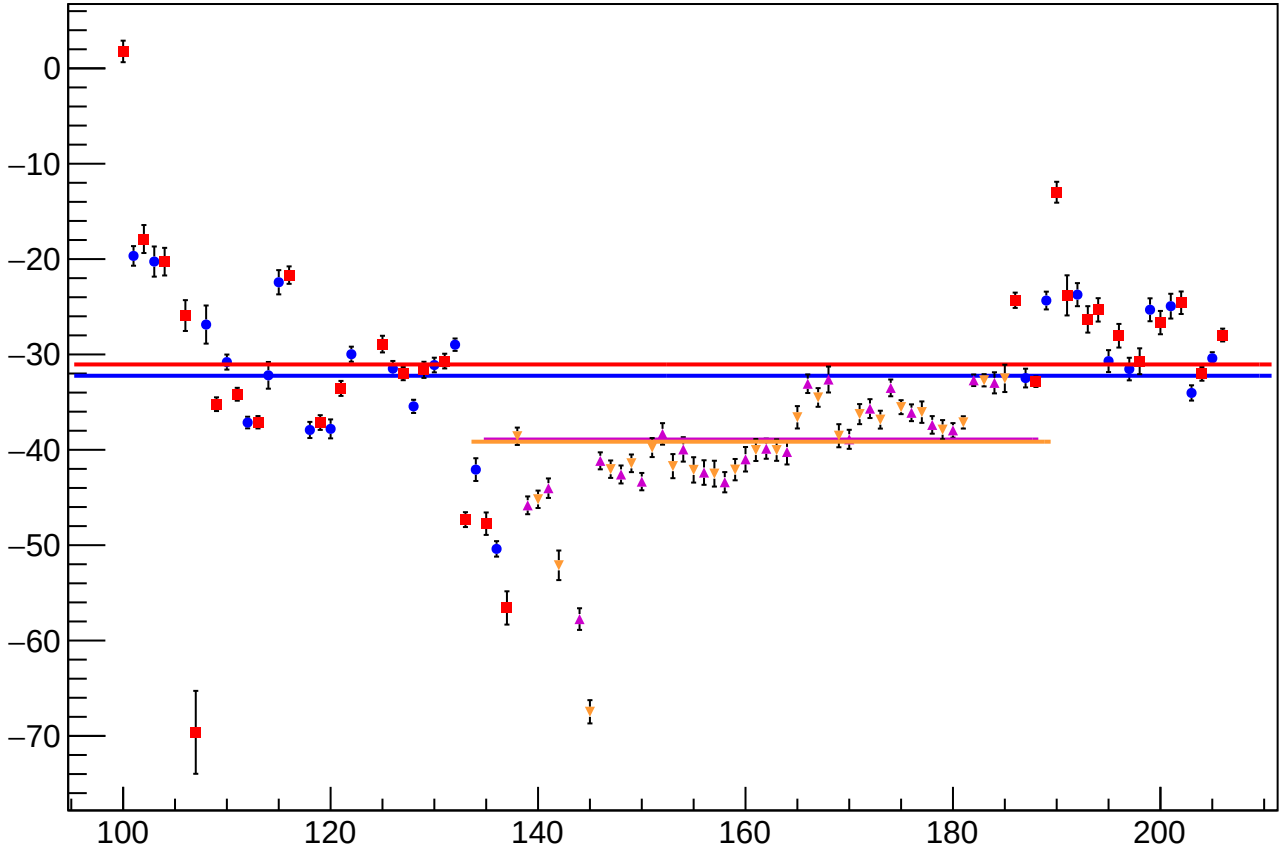
Left In: -20.037+/-0.008 χ^2/NDF:132291.6/22

+ sign -20.082+/-0.007 χ^2/NDF: 184900.3/48

All: -20.105+/-0.005 χ^2/NDF: 389064.0/101

- sign -20.127+/-0.006 χ^2/NDF: 204138.4/52

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -32.234+/-0.181 χ^2/NDF: 1244.9/24

Left Out: -39.148+/-0.202 χ^2/NDF:898.8/23

Right Out: -31.049+/-0.166 χ^2/NDF: 2719.1/29

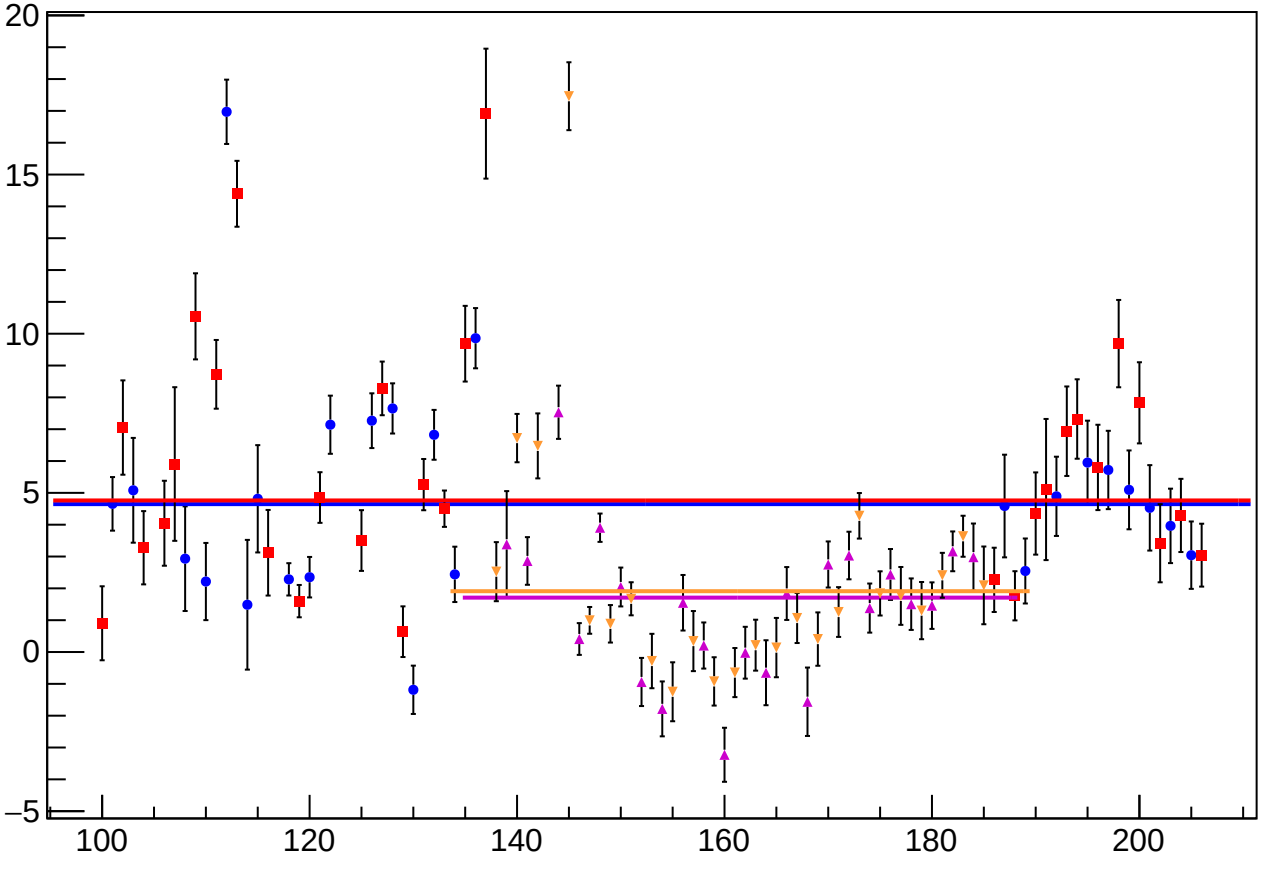
Left In: -38.921+/-0.204 χ^2/NDF:684.4/22

+ sign -35.301+/-0.135 χ^2/NDF: 2792.7/48

All: -34.723+/-0.093 χ^2/NDF: 7127.5/101

- sign -34.195+/-0.129 χ^2/NDF: 4299.6/52

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 4.646+/-0.193 χ^2/NDF: 334.7/24

Left Out: 1.911+/-0.152 χ^2/NDF:359.3/23

Right Out: 4.762+/-0.184 χ^2/NDF: 325.0/29

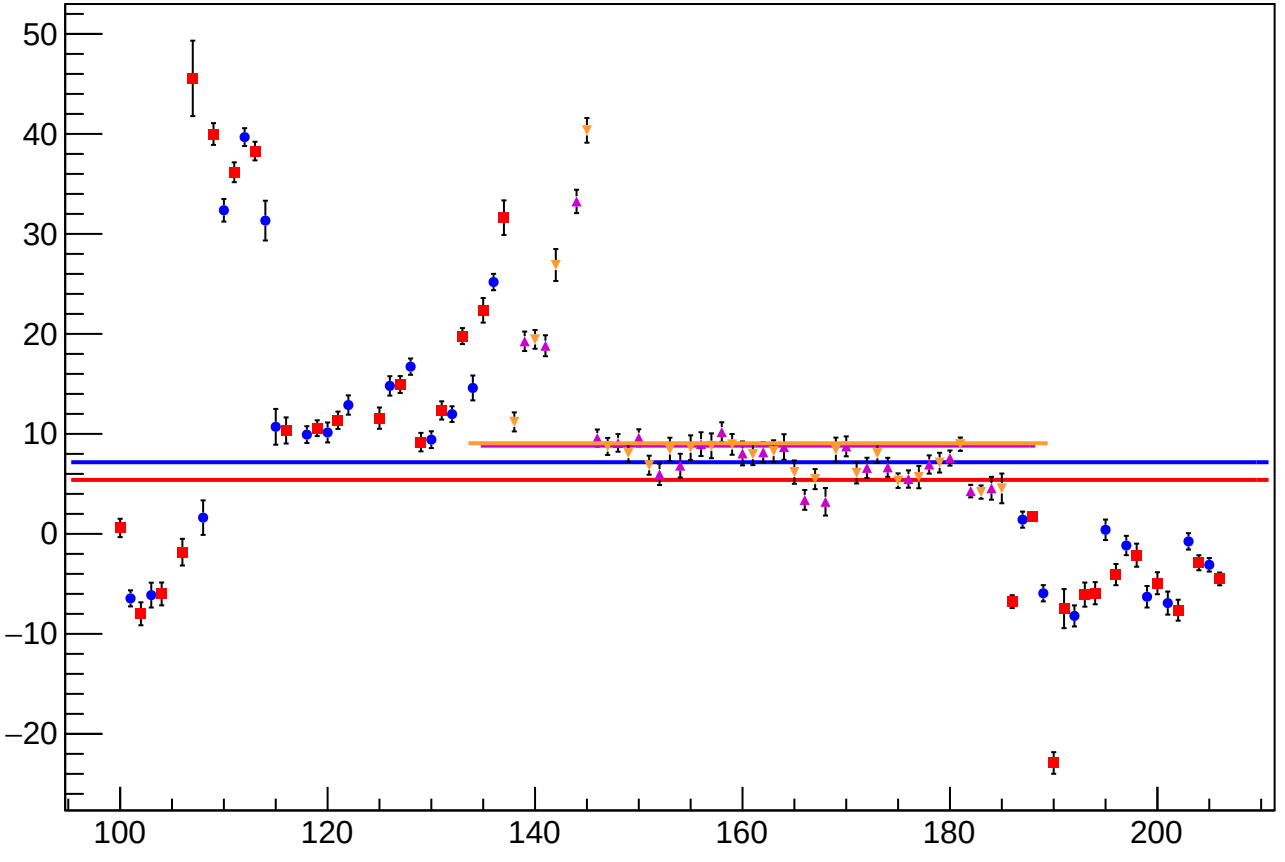
Left In: 1.709+/-0.155 χ^2/NDF:182.6/22

+ sign 2.960+/-0.120 χ^2/NDF: 817.5/48

All: 2.967+/-0.084 χ^2/NDF: 1485.8/101

- sign 2.974+/-0.119 χ^2/NDF: 668.3/52

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 7.165+/-0.190 χ^2/NDF: 4470.0/24

Left Out: 9.061+/-0.201 χ^2/NDF:1033.5/23

Right Out: 5.398+/-0.170 χ^2/NDF: 6785.3/29

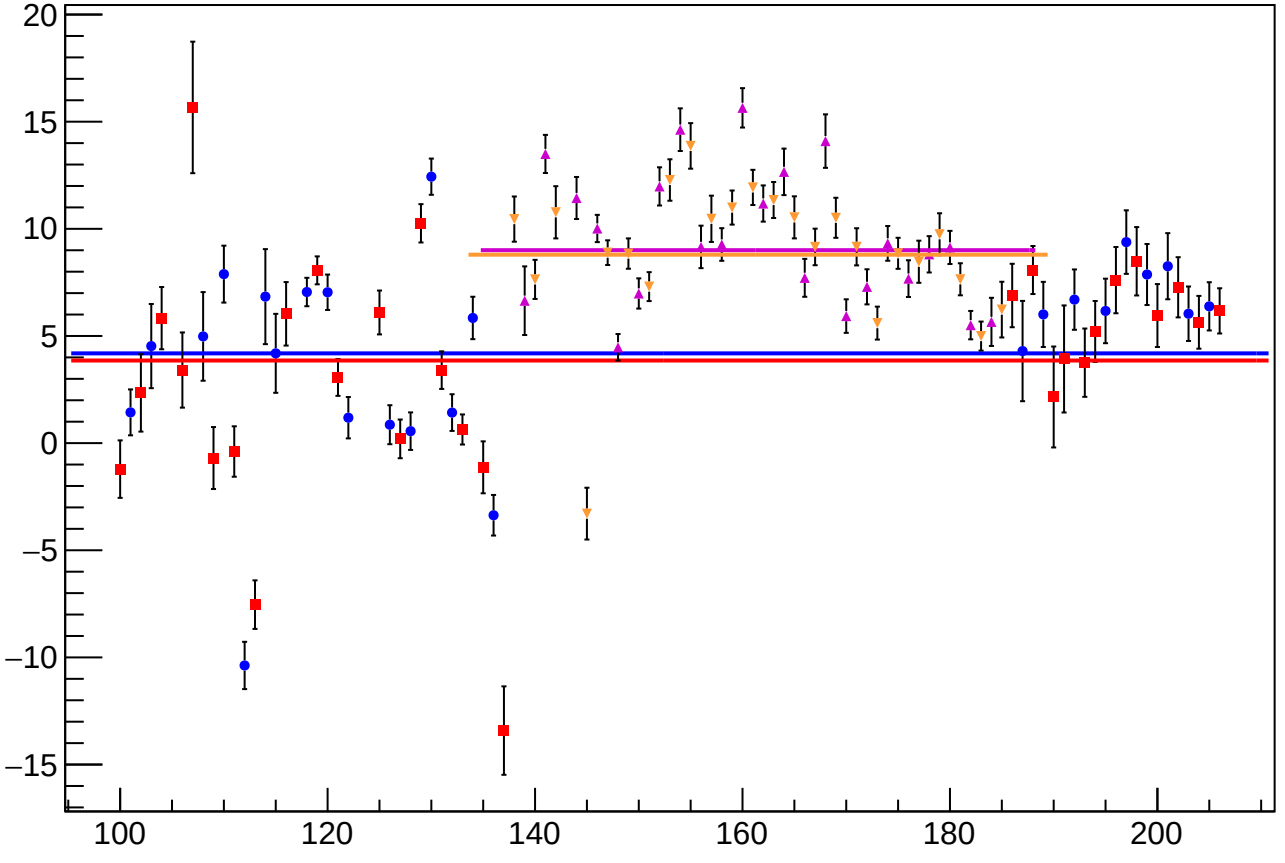
Left In: 8.826+/-0.202 χ^2/NDF:801.4/22

+ sign 8.062+/-0.138 χ^2/NDF: 5550.4/48

All: 7.401+/-0.095 χ^2/NDF: 13349.2/101

- sign 6.817+/-0.130 χ^2/NDF: 7755.6/52

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.188+/-0.225 χ^2/NDF: 471.0/24

Left Out: 8.793+/-0.174 χ^2/NDF:244.1/23

Right Out: 3.855+/-0.216 χ^2/NDF: 430.1/29

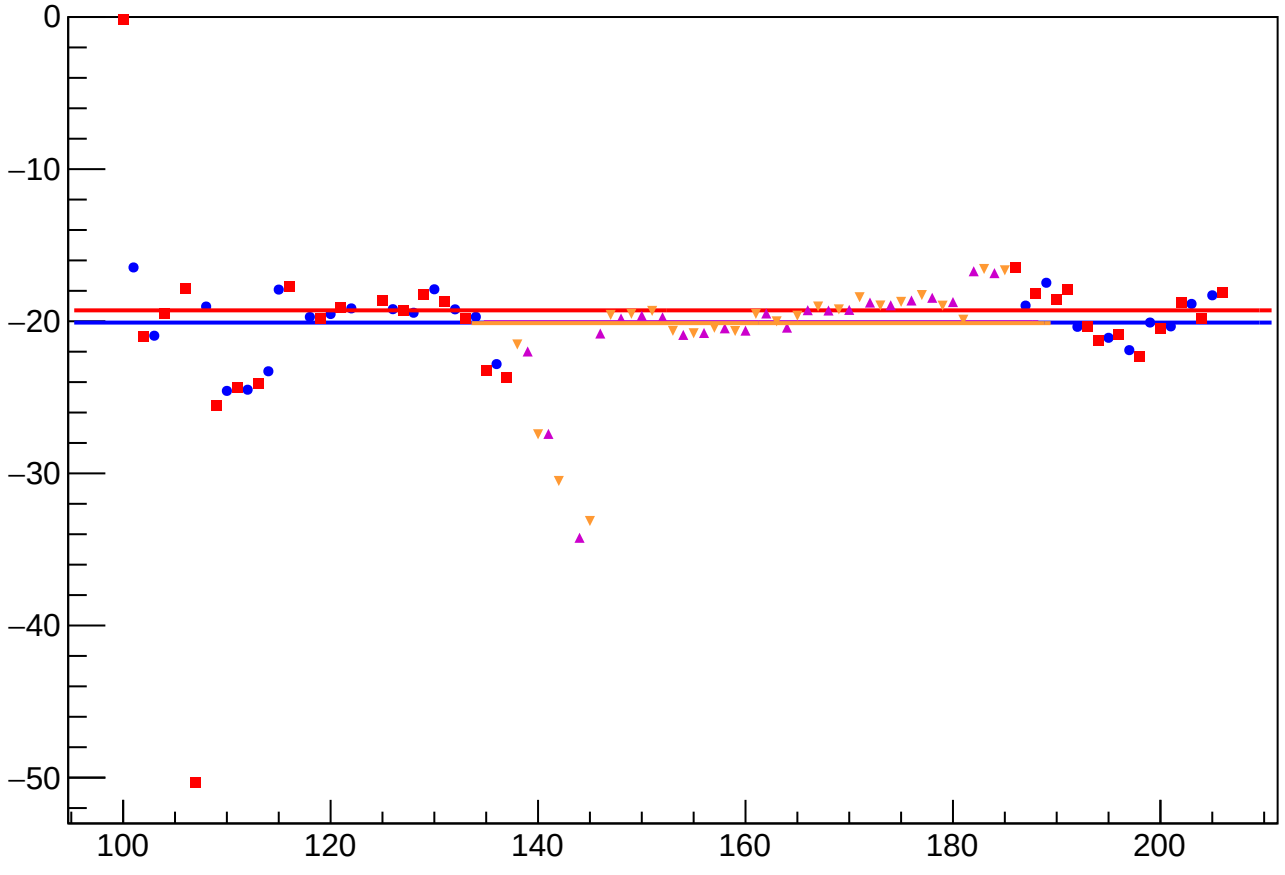
Left In: 9.004+/-0.176 χ^2/NDF:289.6/22

+ sign 7.068+/-0.138 χ^2/NDF: 977.8/48

All: 7.009+/-0.097 χ^2/NDF: 2039.1/101

- sign 6.951+/-0.136 χ^2/NDF: 1060.9/52

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -20.087+/-0.012 χ^2/NDF: 25661.0/24

Left Out: -20.123+/-0.008 χ^2/NDF:158578.7/23

Right Out: -19.283+/-0.011 χ^2/NDF: 247532.7/29

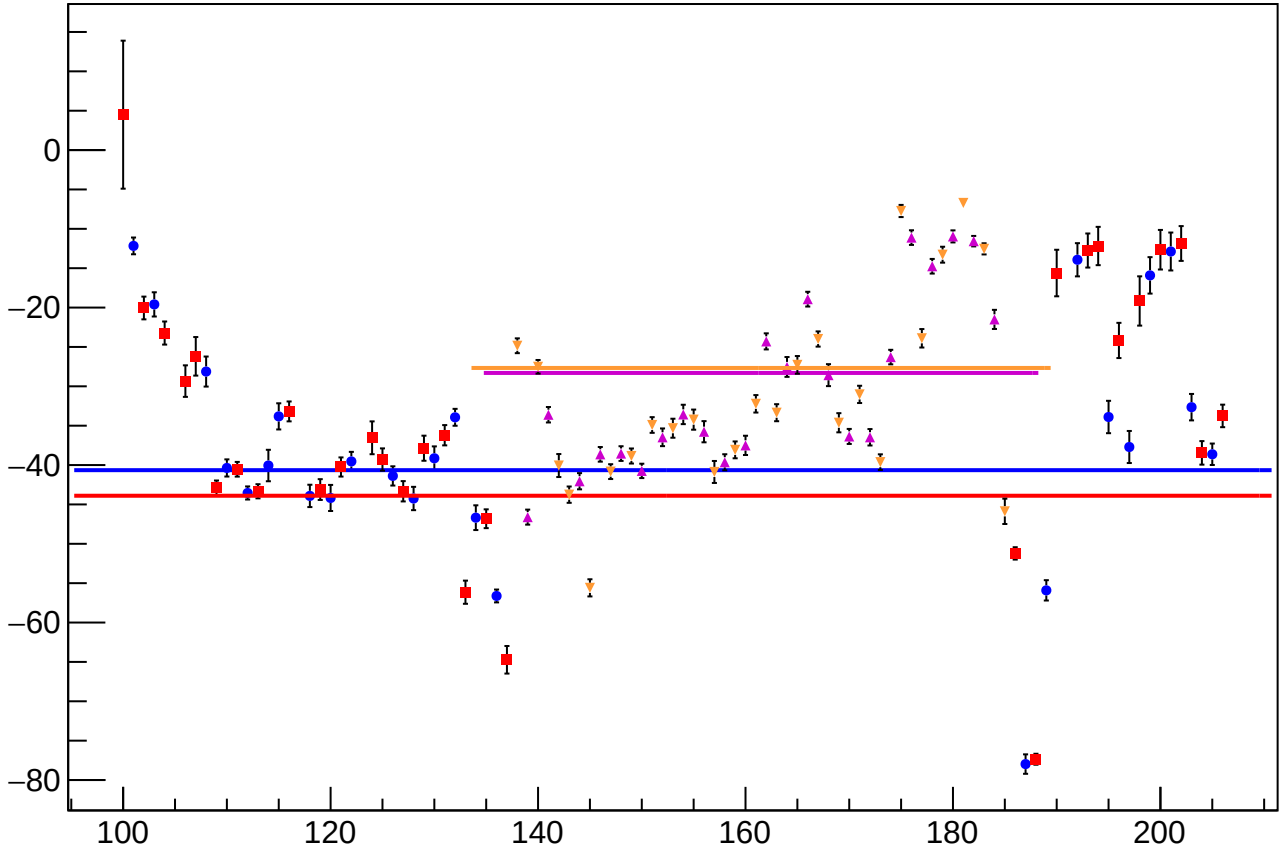
Left In: -20.063+/-0.008 χ^2/NDF:132690.0/22

+ sign -20.112+/-0.007 χ^2/NDF: 184246.5/48

All: -19.942+/-0.005 χ^2/NDF: 569278.8/101

- sign -19.782+/-0.006 χ^2/NDF: 383722.6/52

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -40.649+/-0.271 χ^2/NDF: 2930.0/24

Left Out: -27.668+/-0.200 χ^2/NDF:4396.9/24

Right Out: -43.896+/-0.247 χ^2/NDF: 4425.4/29

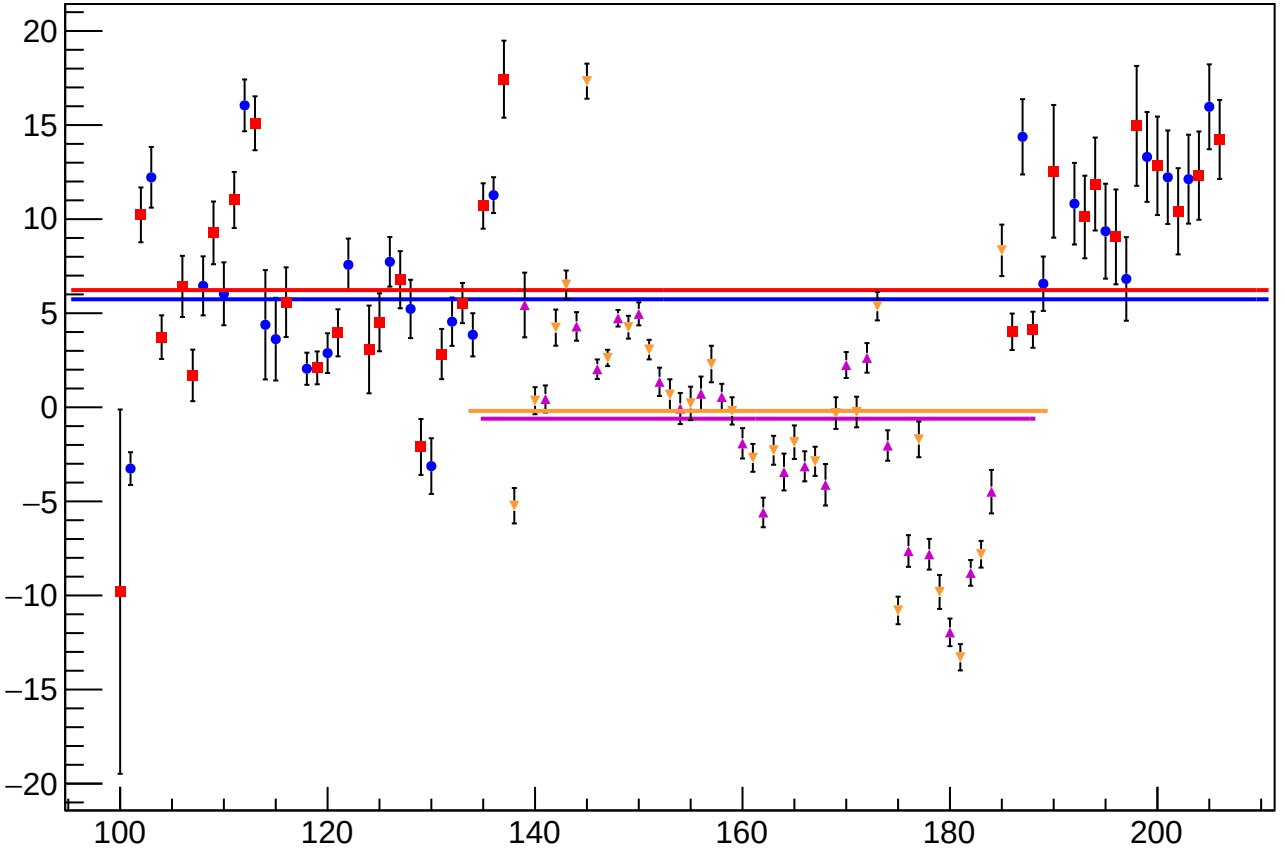
Left In: -28.303+/-0.206 χ^2/NDF:3273.4/22

+ sign -32.250+/-0.161 χ^2/NDF: 8807.0/49

All: -33.494+/-0.113 χ^2/NDF: 18975.1/102

- sign -34.690+/-0.158 χ^2/NDF: 10051.3/52

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 5.741+/-0.288 χ^2/NDF: 355.2/24

Left Out: -0.192+/-0.150 χ^2/NDF:1545.3/24

Right Out: 6.229+/-0.276 χ^2/NDF: 250.3/29

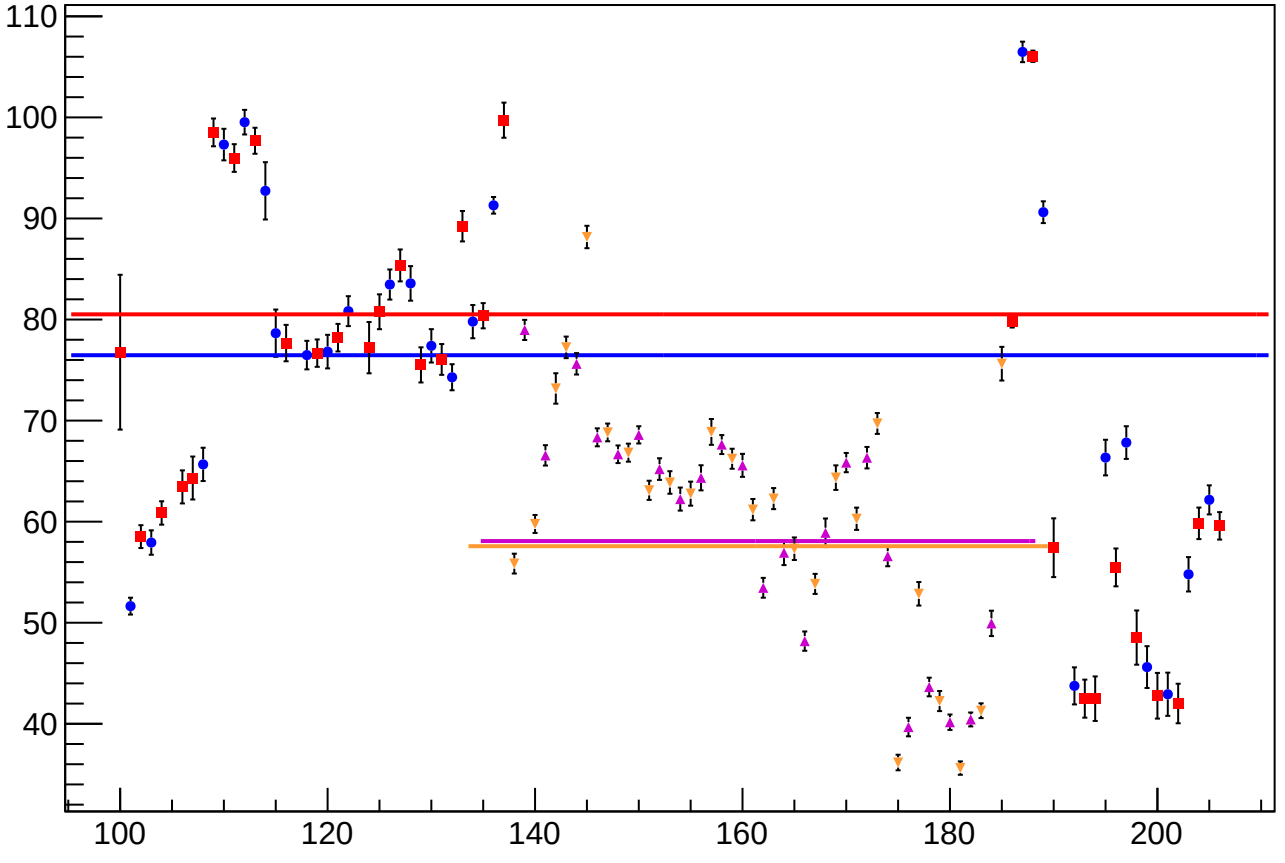
Left In: -0.605+/-0.155 χ^2/NDF:974.6/22

+ sign 1.073+/-0.133 χ^2/NDF: 2233.6/49

All: 1.056+/-0.095 χ^2/NDF: 3924.8/102

- sign 1.037+/-0.135 χ^2/NDF: 1691.1/52

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.469+/-0.278 χ^2/NDF: 4275.5/24

Left Out: 57.573+/-0.199 χ^2/NDF:4685.5/24

Right Out: 80.514+/-0.247 χ^2/NDF: 5767.8/29

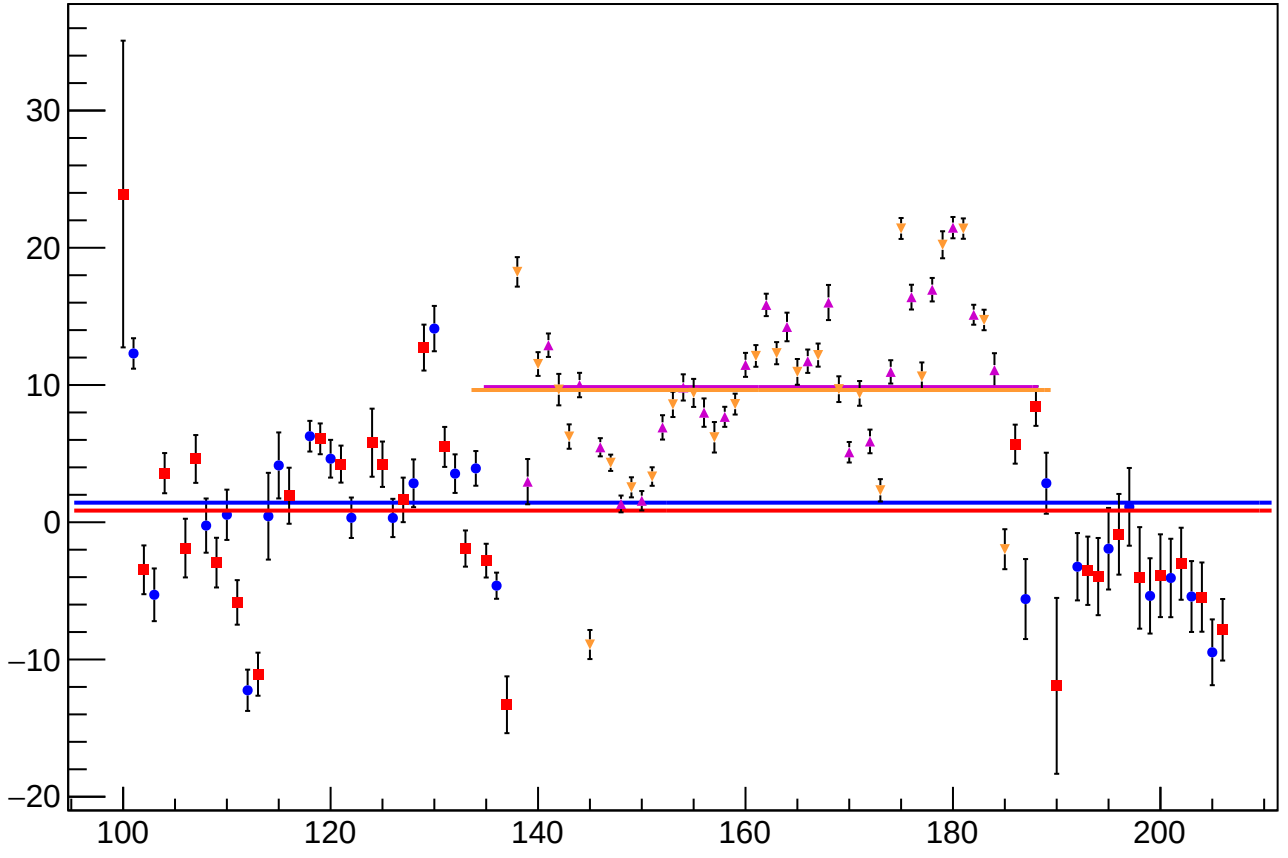
Left In: 58.080+/-0.203 χ^2/NDF:3558.6/22

+ sign 63.971+/-0.162 χ^2/NDF: 12014.3/49

All: 65.617+/-0.113 χ^2/NDF: 26465.9/102

- sign 67.166+/-0.157 χ^2/NDF: 14250.5/52

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 1.427+/-0.335 χ^2/NDF: 373.4/24

Left Out: 9.636+/-0.171 χ^2/NDF:1491.5/24

Right Out: 0.850+/-0.328 χ^2/NDF: 333.7/29

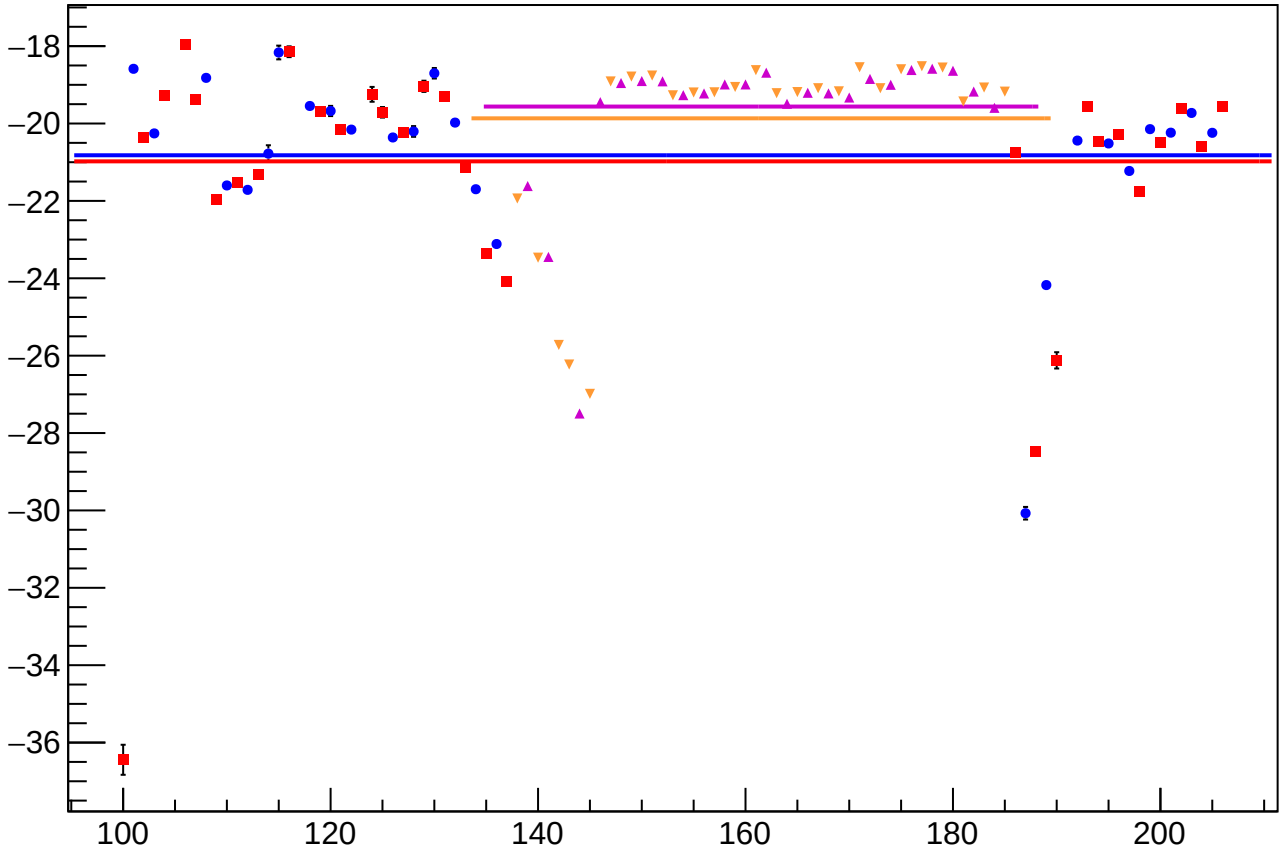
Left In: 9.849+/-0.176 χ^2/NDF:993.0/22

+ sign 7.936+/-0.153 χ^2/NDF: 2339.9/49

All: 7.883+/-0.109 χ^2/NDF: 4251.6/102

- sign 7.829+/-0.155 χ^2/NDF: 1911.5/52

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.821+/-0.017 χ^2/NDF: 12241.5/24

Left Out: -19.866+/-0.008 χ^2/NDF:78894.3/24

Right Out: -20.978+/-0.016 χ^2/NDF: 20670.6/29

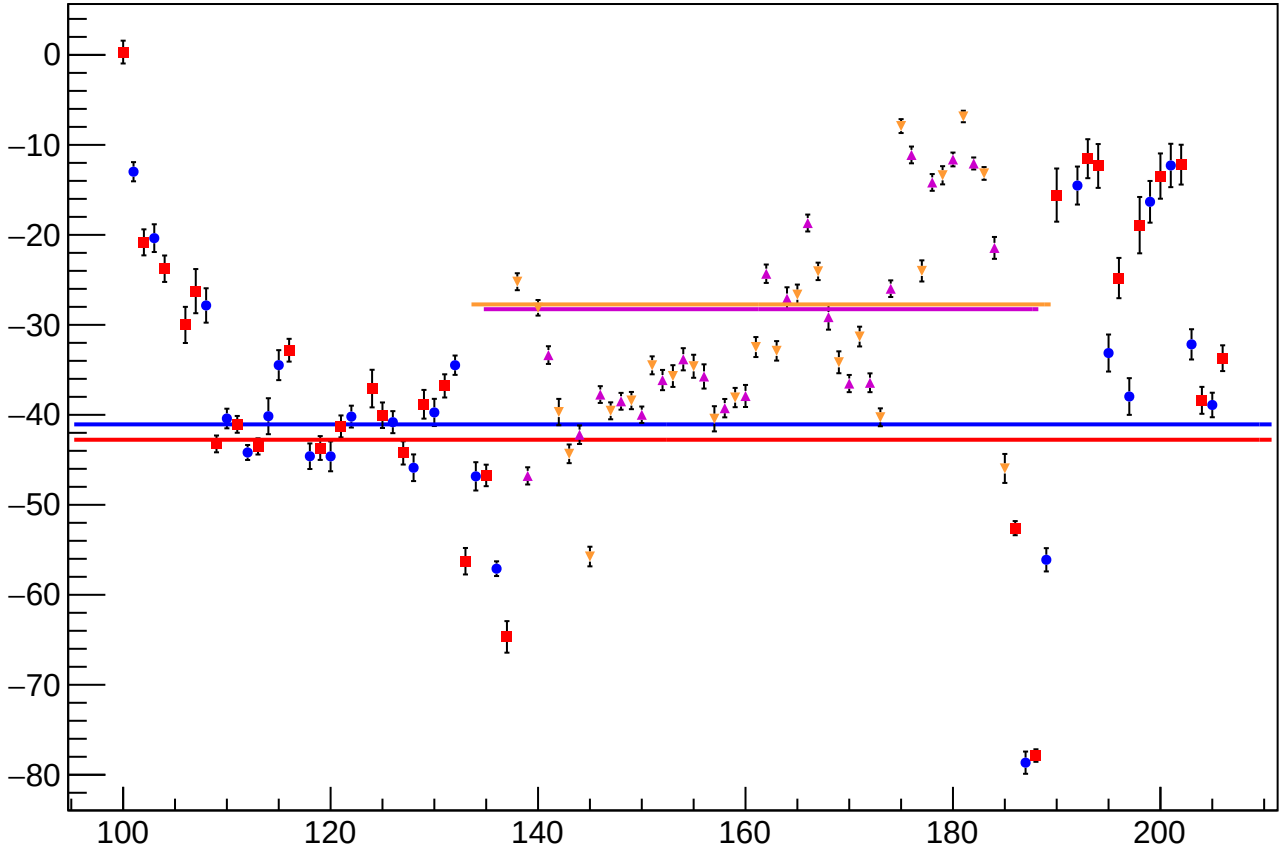
Left In: -19.562+/-0.008 χ^2/NDF:45172.6/22

+ sign -20.042+/-0.007 χ^2/NDF: 93860.3/49

All: -19.940+/-0.005 χ^2/NDF: 166252.9/102

- sign -19.835+/-0.007 χ^2/NDF: 71969.6/52

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -41.061+/-0.272 χ^2/NDF: 2933.2/24

Left Out: -27.729+/-0.201 χ^2/NDF:4299.7/24

Right Out: -42.768+/-0.243 χ^2/NDF: 5637.1/29

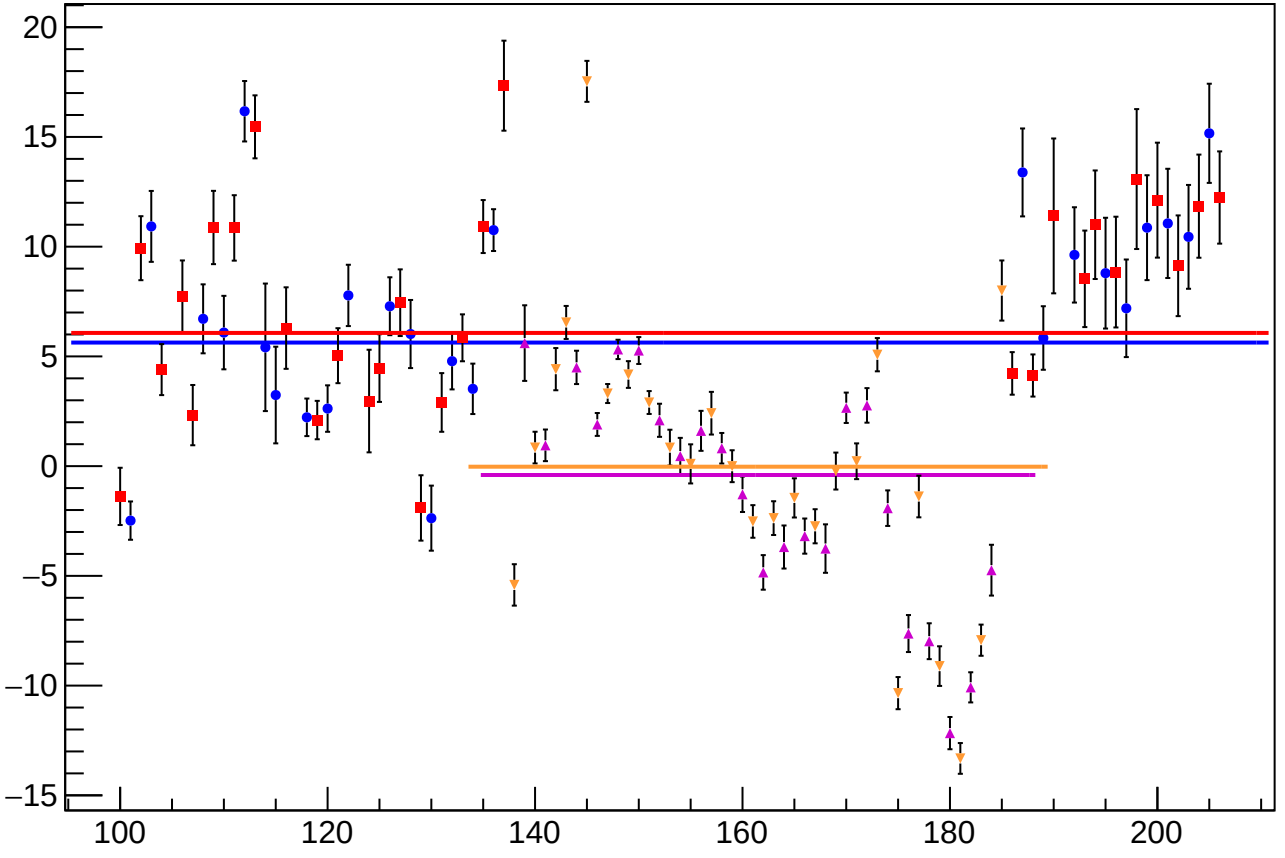
Left In: -28.260+/-0.206 χ^2/NDF:3172.7/22

+ sign -32.435+/-0.161 χ^2/NDF: 8789.6/49

All: -33.411+/-0.113 χ^2/NDF: 19744.2/102

- sign -34.336+/-0.157 χ^2/NDF: 10883.5/52

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 5.631+/-0.289 χ^2/NDF: 299.2/24

Left Out: -0.026+/-0.150 χ^2/NDF:1531.8/24

Right Out: 6.070+/-0.270 χ^2/NDF: 260.2/29

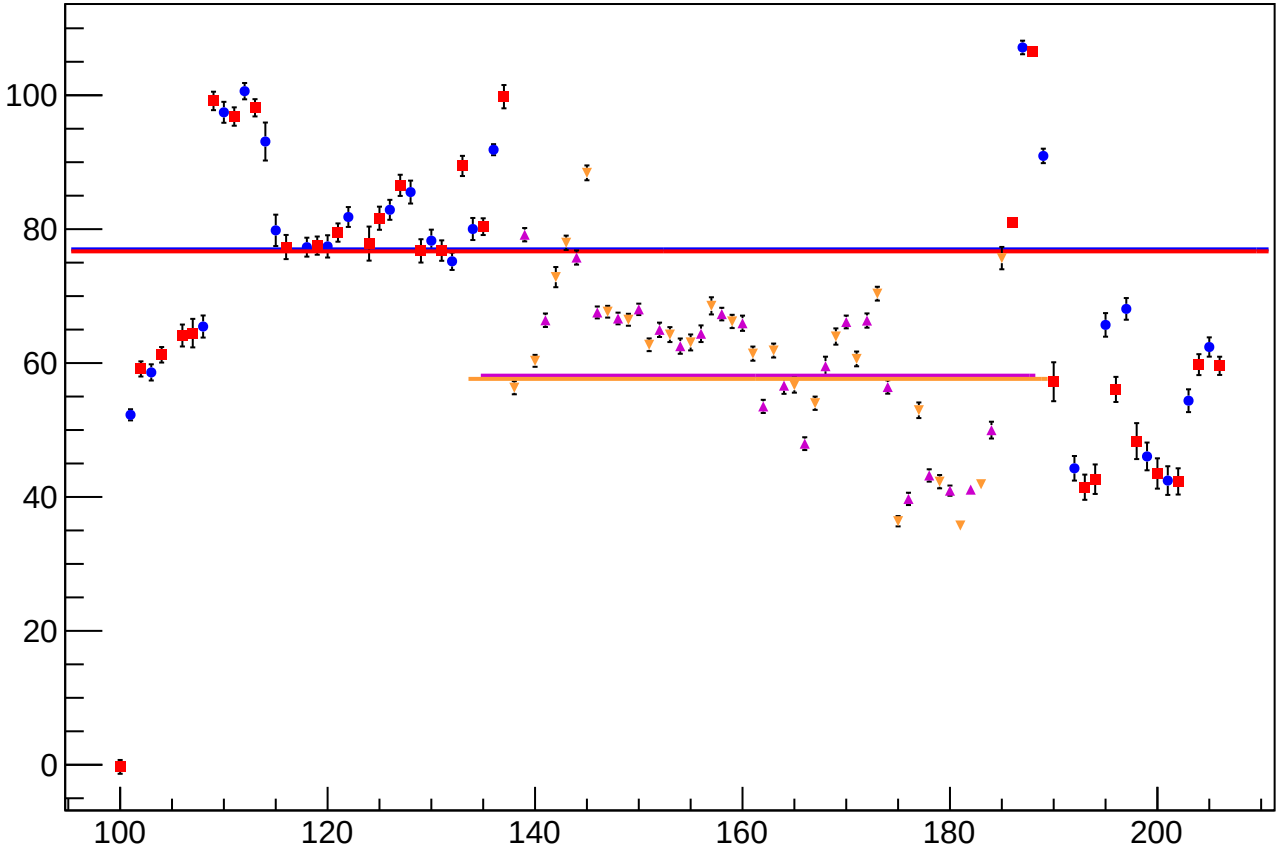
Left In: -0.404+/-0.155 χ^2/NDF:1084.1/22

+ sign 1.180+/-0.133 χ^2/NDF: 2133.0/49

All: 1.192+/-0.095 χ^2/NDF: 3908.1/102

- sign 1.204+/-0.135 χ^2/NDF: 1775.1/52

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.982+/-0.279 χ^2/NDF: 4320.7/24

Left Out: 57.638+/-0.199 χ^2/NDF:4612.7/24

Right Out: 76.683+/-0.240 χ^2/NDF: 11683.8/29

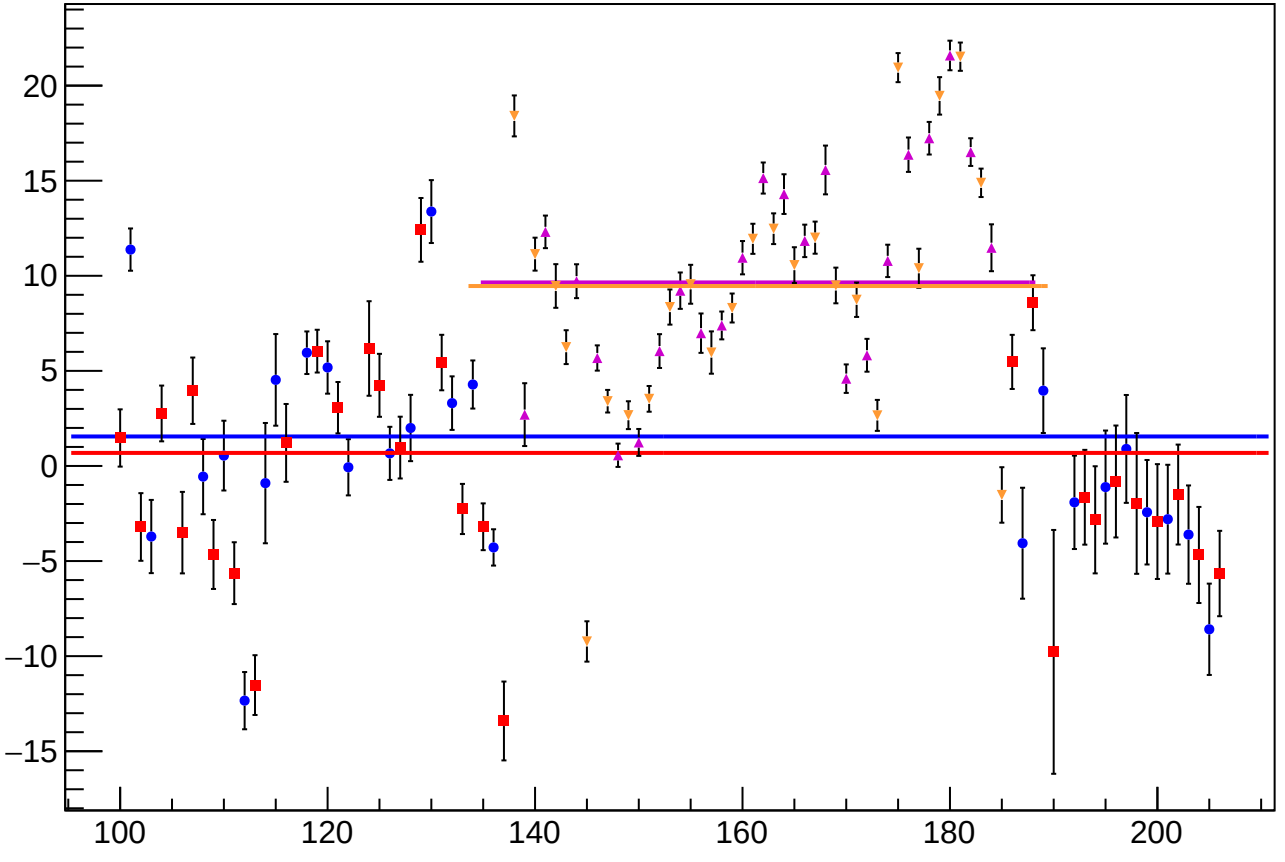
Left In: 58.117+/-0.204 χ^2/NDF:3443.9/22

+ sign 64.187+/-0.162 χ^2/NDF: 12123.6/49

All: 65.072+/-0.112 χ^2/NDF: 30779.9/102

- sign 65.887+/-0.155 χ^2/NDF: 18598.9/52

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 1.551+/-0.336 χ^2/NDF: 327.2/24

Left Out: 9.461+/-0.172 χ^2/NDF:1483.1/24

Right Out: 0.686+/-0.321 χ^2/NDF: 316.3/29

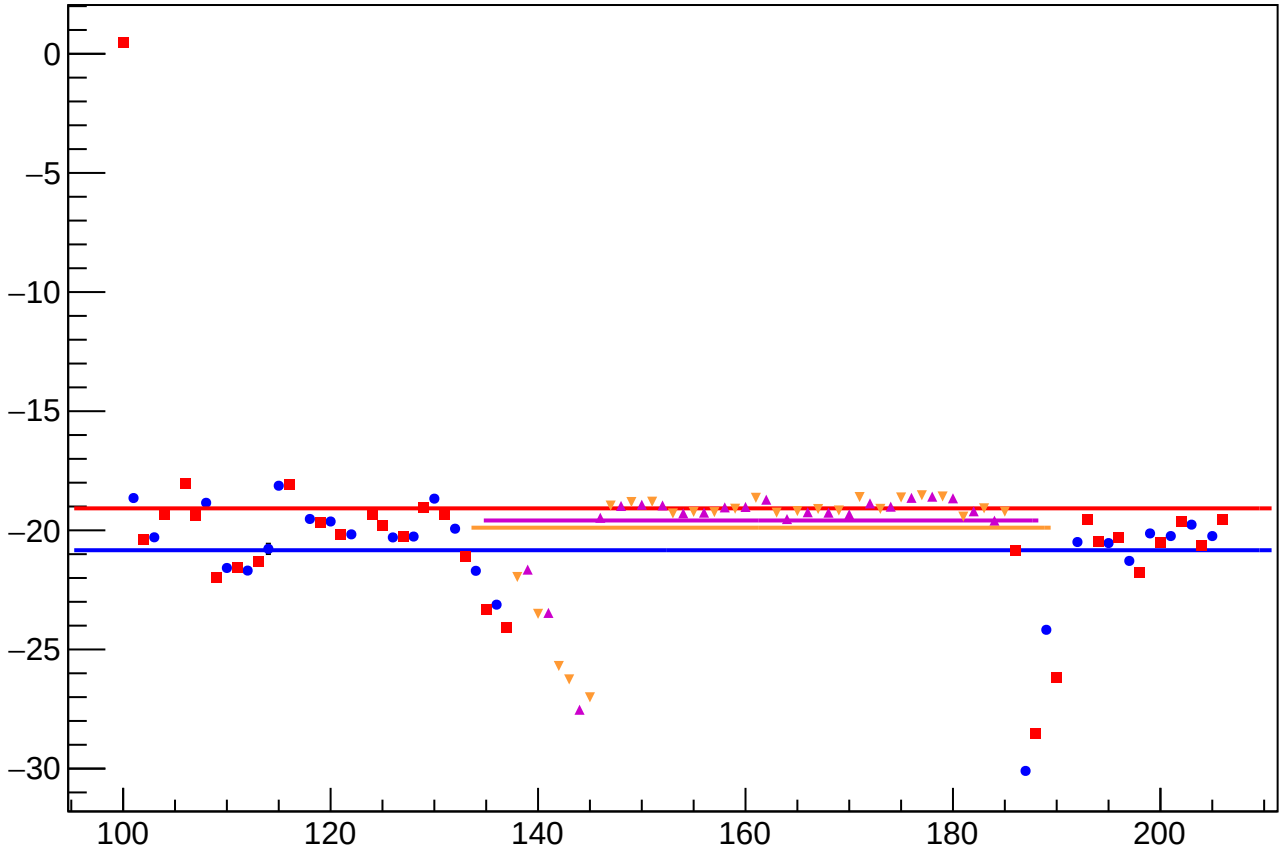
Left In: 9.650+/-0.177 χ^2/NDF:1078.5/22

+ sign 7.823+/-0.153 χ^2/NDF: 2250.1/49

All: 7.696+/-0.109 χ^2/NDF: 4245.5/102

- sign 7.565+/-0.155 χ^2/NDF: 1994.0/52

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.835+/-0.017 χ^2/NDF: 12114.4/24

Left Out: -19.889+/-0.008 χ^2/NDF:78512.6/24

Right Out: -19.078+/-0.016 χ^2/NDF: 171882.8/29

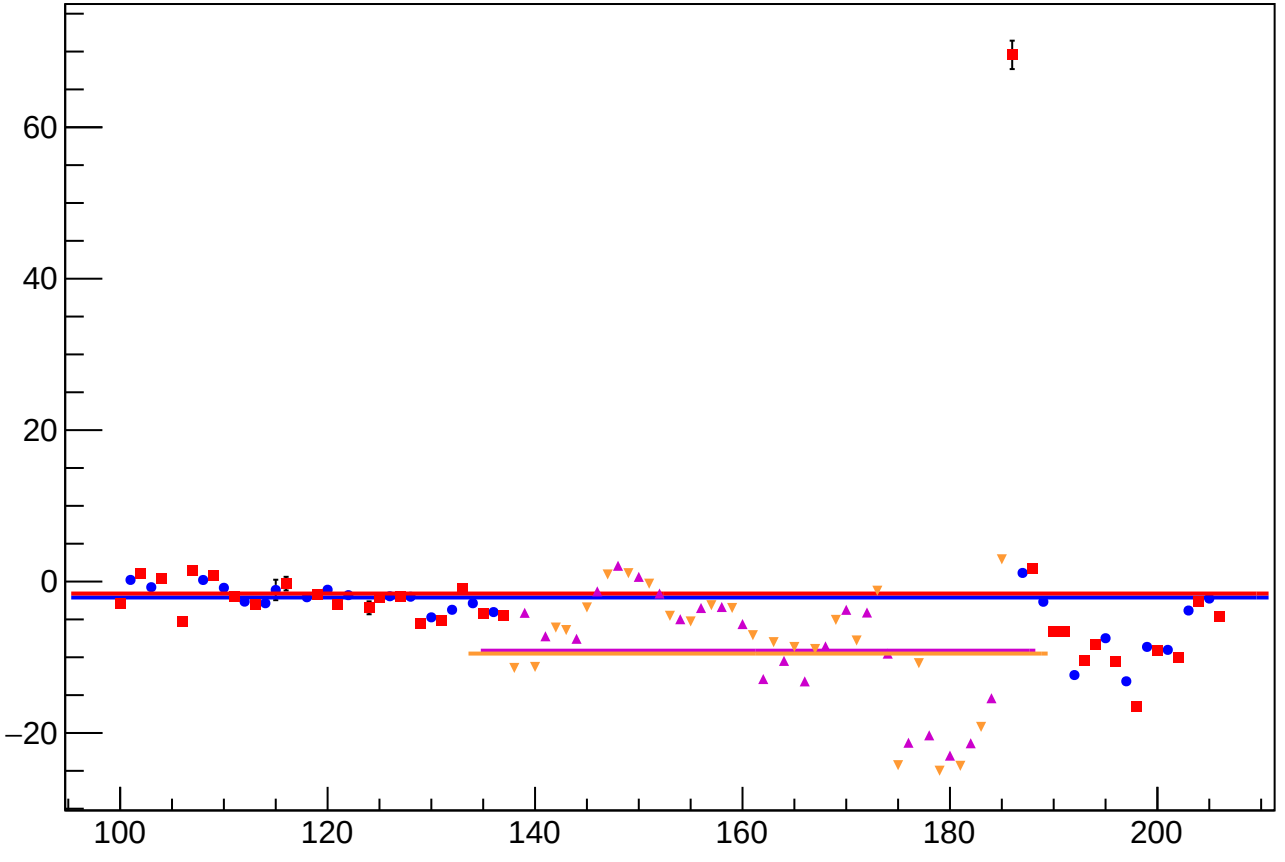
Left In: -19.586+/-0.008 χ^2/NDF:45085.3/22

+ sign -20.064+/-0.007 χ^2/NDF: 93294.3/49

All: -19.771+/-0.005 χ^2/NDF: 314480.2/102

- sign -19.481+/-0.007 χ^2/NDF: 217815.0/52

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -2.105+/-0.050 χ^2/NDF: 3310.3/24

Left Out: -9.512+/-0.073 χ^2/NDF:12916.4/24

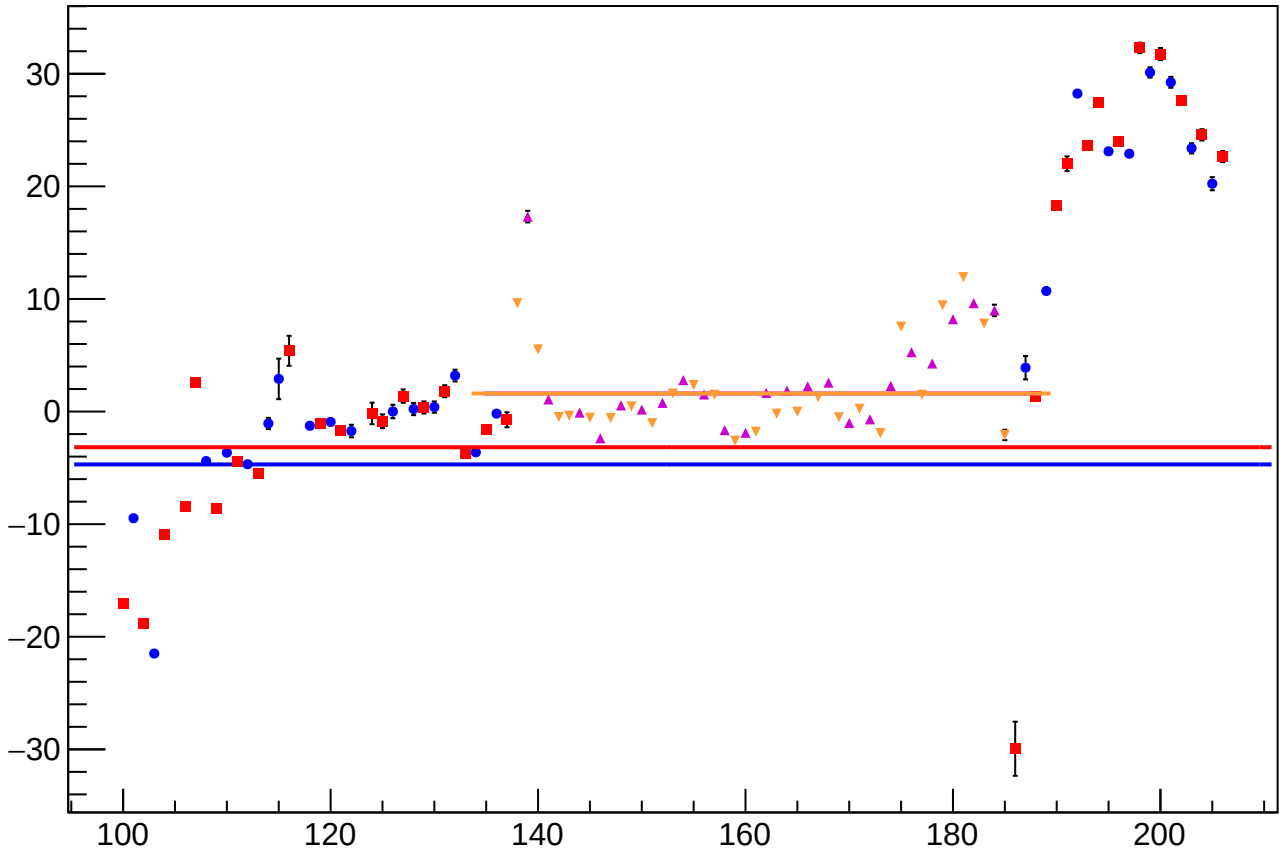
Right Out: -1.582+/-0.046 χ^2/NDF: 6948.5/30

Left In: -9.131+/-0.075 χ^2/NDF:10390.6/22

+ sign -4.504+/-0.041 χ^2/NDF: 23258.2/49

All: -4.043+/-0.028 χ^2/NDF: 48256.1/103

- sign -3.633+/-0.039 χ^2/NDF: 24763.0/53



Right In: -4.695+/-0.053 χ^2/NDF: 54151.7/24

Left Out: 1.606+/-0.055 χ^2/NDF:4677.2/24

Right Out: -3.167+/-0.052 χ^2/NDF: 63254.8/30

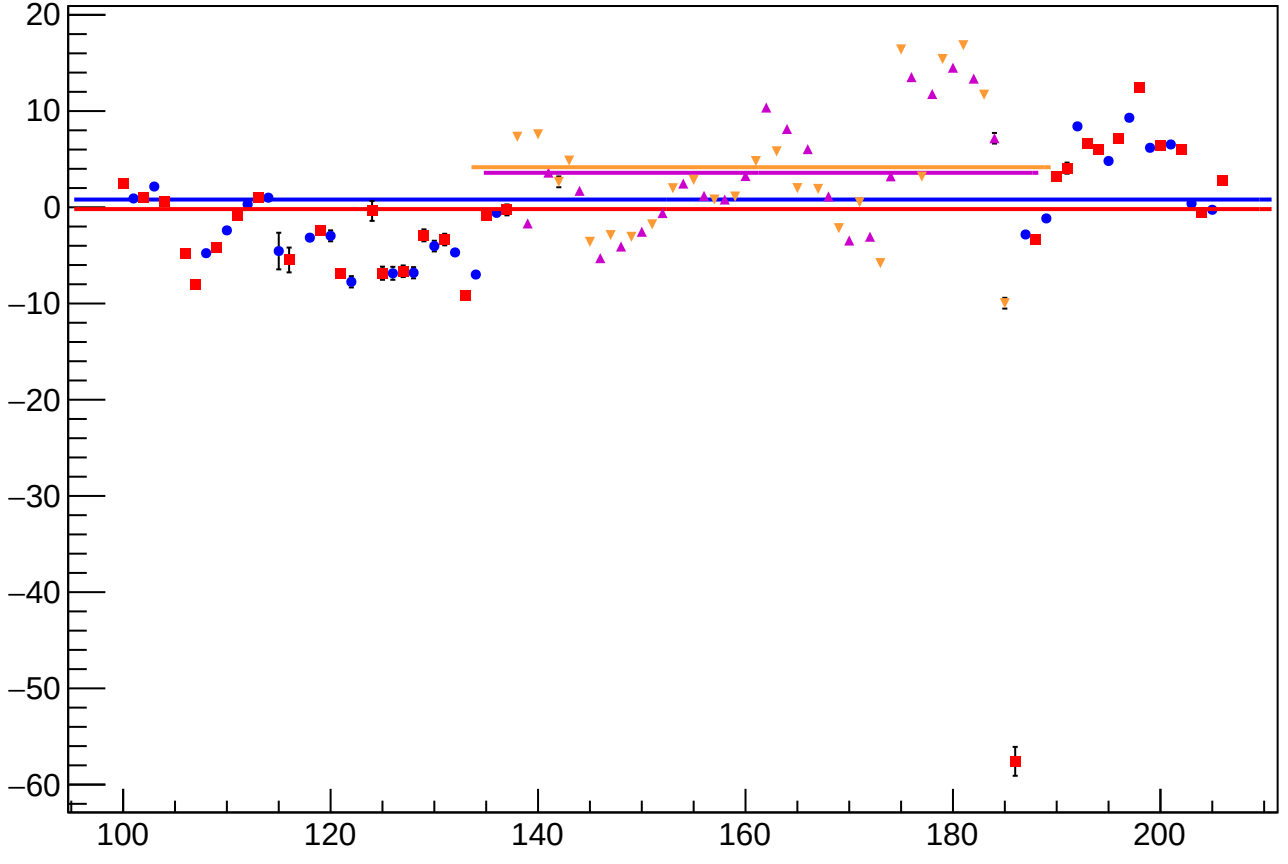
Left In: 1.605+/-0.058 χ^2/NDF:3656.4/22

+ sign -1.656+/-0.038 χ^2/NDF: 65580.7/49

All: -1.340+/-0.027 χ^2/NDF: 136391.0/103

- sign -1.017+/-0.039 χ^2/NDF: 70672.4/53

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 0.806+/-0.048 χ^2/NDF: 4153.3/24

Left Out: 4.167+/-0.072 χ^2/NDF:9246.5/24

Right Out: -0.188+/-0.046 χ^2/NDF: 8208.3/30

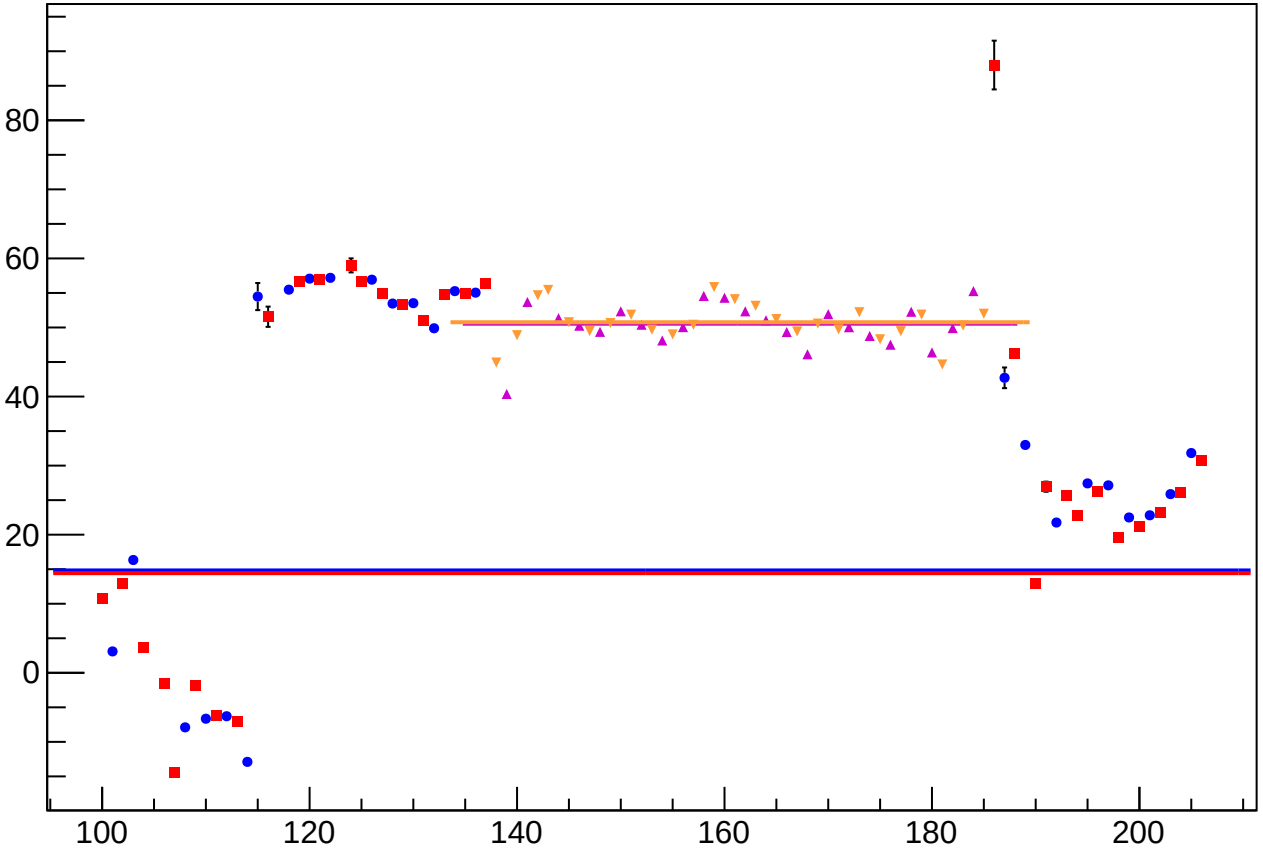
Left In: 3.584+/-0.074 χ^2/NDF:7228.4/22

+ sign 1.847+/-0.040 χ^2/NDF: 14899.6/49

All: 1.344+/-0.028 χ^2/NDF: 32517.5/103

- sign 0.866+/-0.039 χ^2/NDF: 17311.4/53

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 14.820+/-0.063 χ^2/NDF: 113906.0/24

Left Out: 50.761+/-0.062 χ^2/NDF:1748.6/24

Right Out: 14.427+/-0.062 χ^2/NDF: 130737.0/30

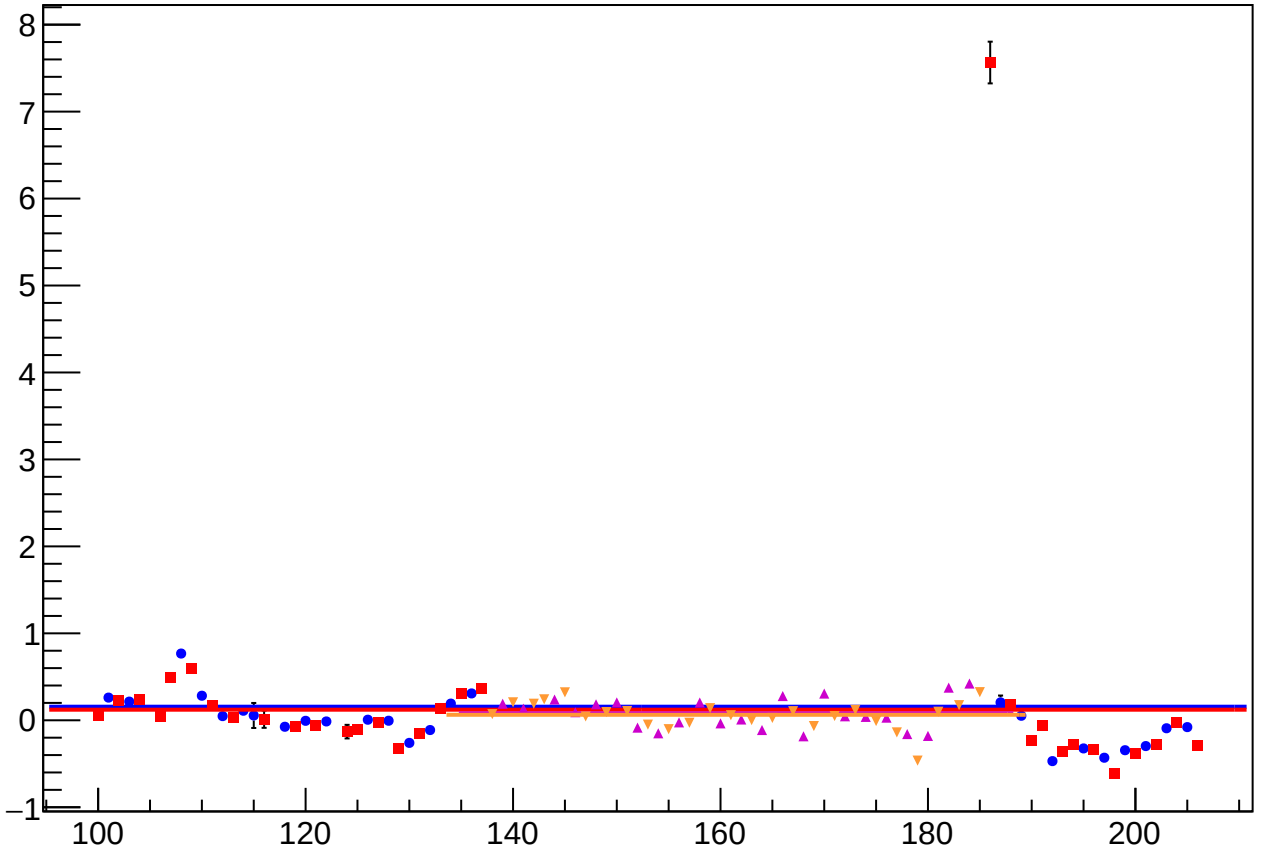
Left In: 50.550+/-0.065 χ^2/NDF:1717.7/22

+ sign 33.076+/-0.044 χ^2/NDF: 278691.4/49

All: 32.394+/-0.032 χ^2/NDF: 573909.2/103

- sign 31.703+/-0.045 χ^2/NDF: 294744.8/53

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.156+/-0.003 χ^2/NDF: 12639.7/24

Left Out: 0.063+/-0.003 χ^2/NDF:2566.7/24

Right Out: 0.122+/-0.002 χ^2/NDF: 12949.9/30

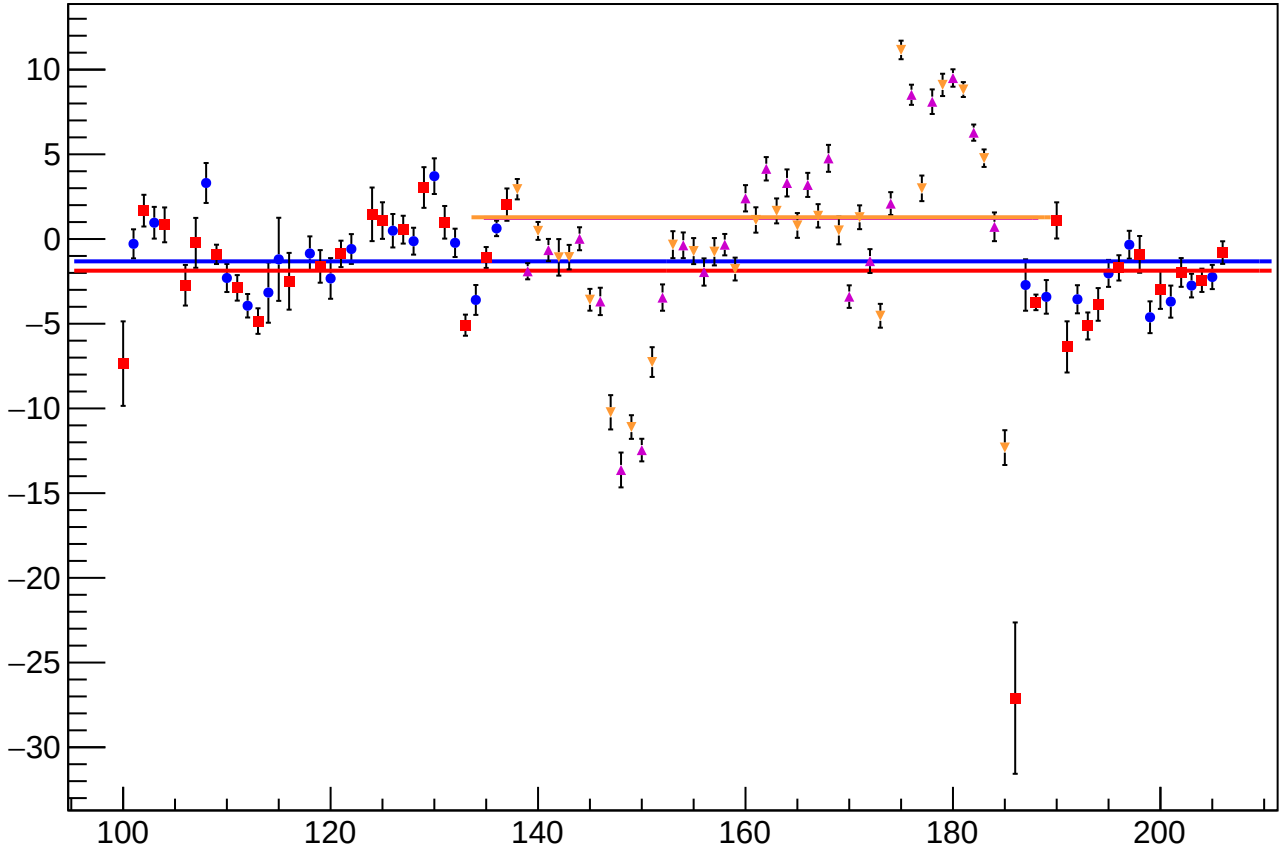
Left In: 0.080+/-0.003 χ^2/NDF:3446.5/22

+ sign 0.115+/-0.002 χ^2/NDF: 15819.6/49

All: 0.109+/-0.001 χ^2/NDF: 32361.6/103

- sign 0.104+/-0.002 χ^2/NDF: 16525.3/53

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -1.318+/-0.173 χ^2/NDF: 135.4/24

Left Out: 1.283+/-0.137 χ^2/NDF:1715.5/24

Right Out: -1.869+/-0.155 χ^2/NDF: 232.2/30

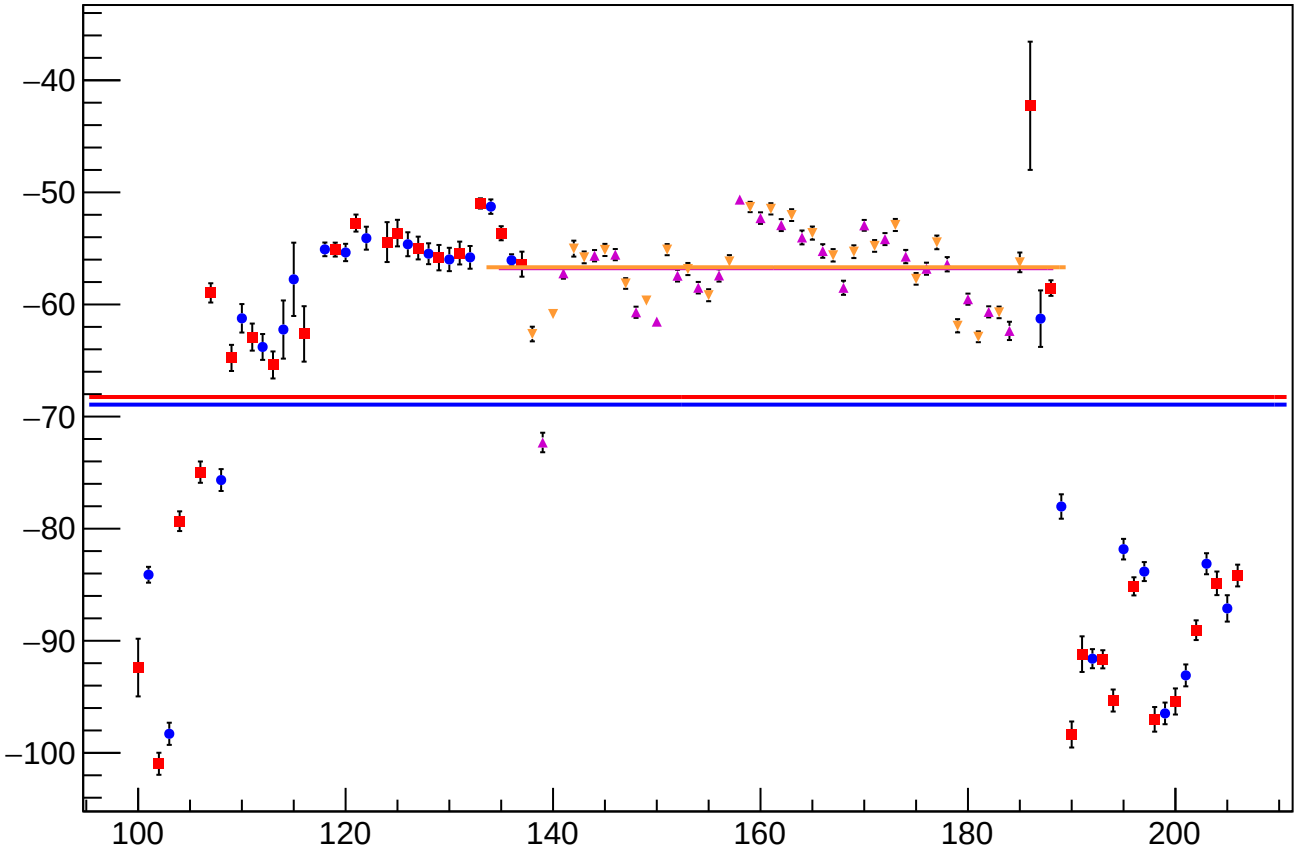
Left In: 1.247+/-0.140 χ^2/NDF:1512.4/22

+ sign 0.280+/-0.107 χ^2/NDF: 1989.9/49

All: 0.052+/-0.075 χ^2/NDF: 3965.9/103

- sign -0.162+/-0.104 χ^2/NDF: 1967.2/53

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -68.934+/-0.183 χ^2/NDF: 7728.9/24

Left Out: -56.680+/-0.107 χ^2/NDF:1014.5/24

Right Out: -68.255+/-0.168 χ^2/NDF: 10612.2/30

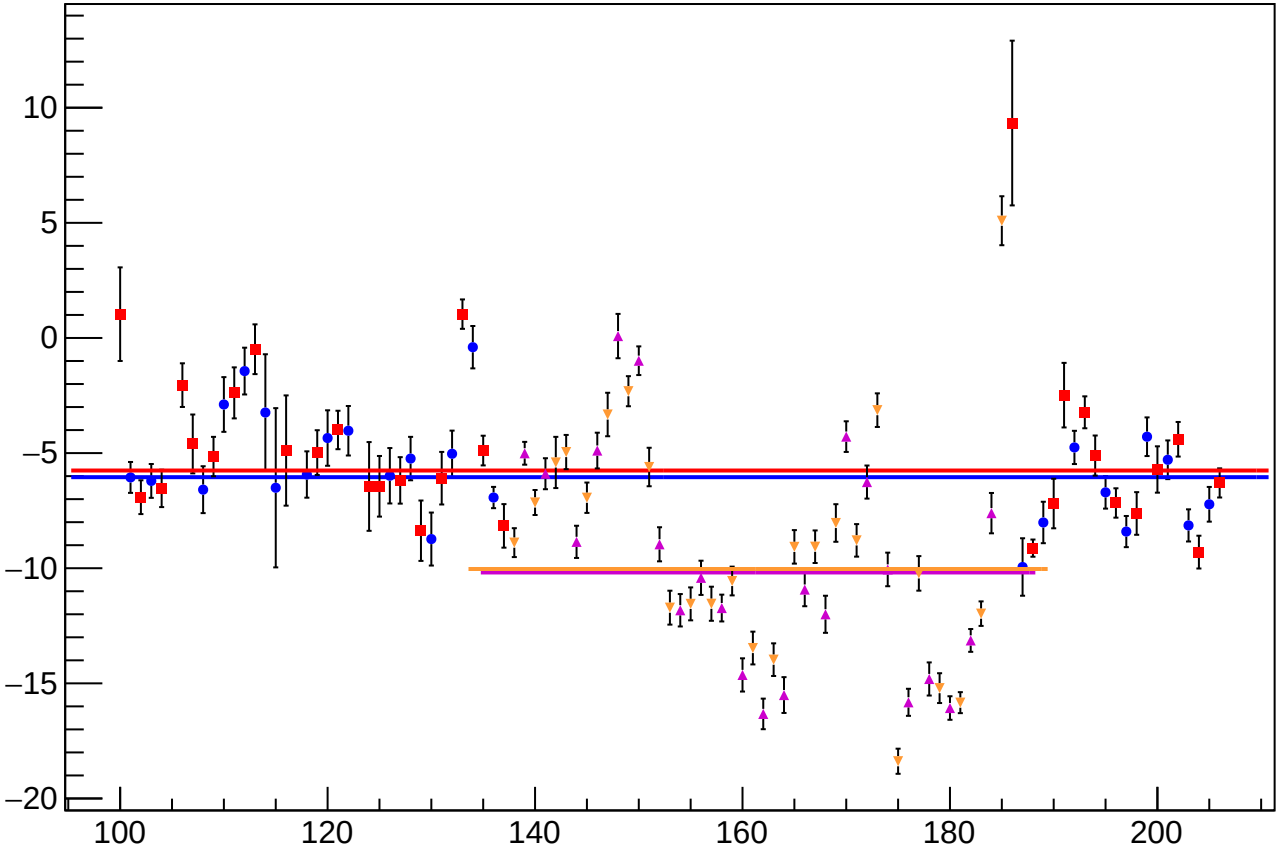
Left In: -56.765+/-0.112 χ^2/NDF:1108.9/22

+ sign -59.805+/-0.093 χ^2/NDF: 12074.9/49

All: -60.056+/-0.066 χ^2/NDF: 27059.3/103

- sign -60.309+/-0.093 χ^2/NDF: 14969.7/53

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -6.046+/-0.173 χ^2/NDF: 130.7/24

Left Out: -10.034+/-0.136 χ^2/NDF:1182.4/24

Right Out: -5.756+/-0.152 χ^2/NDF: 353.5/30

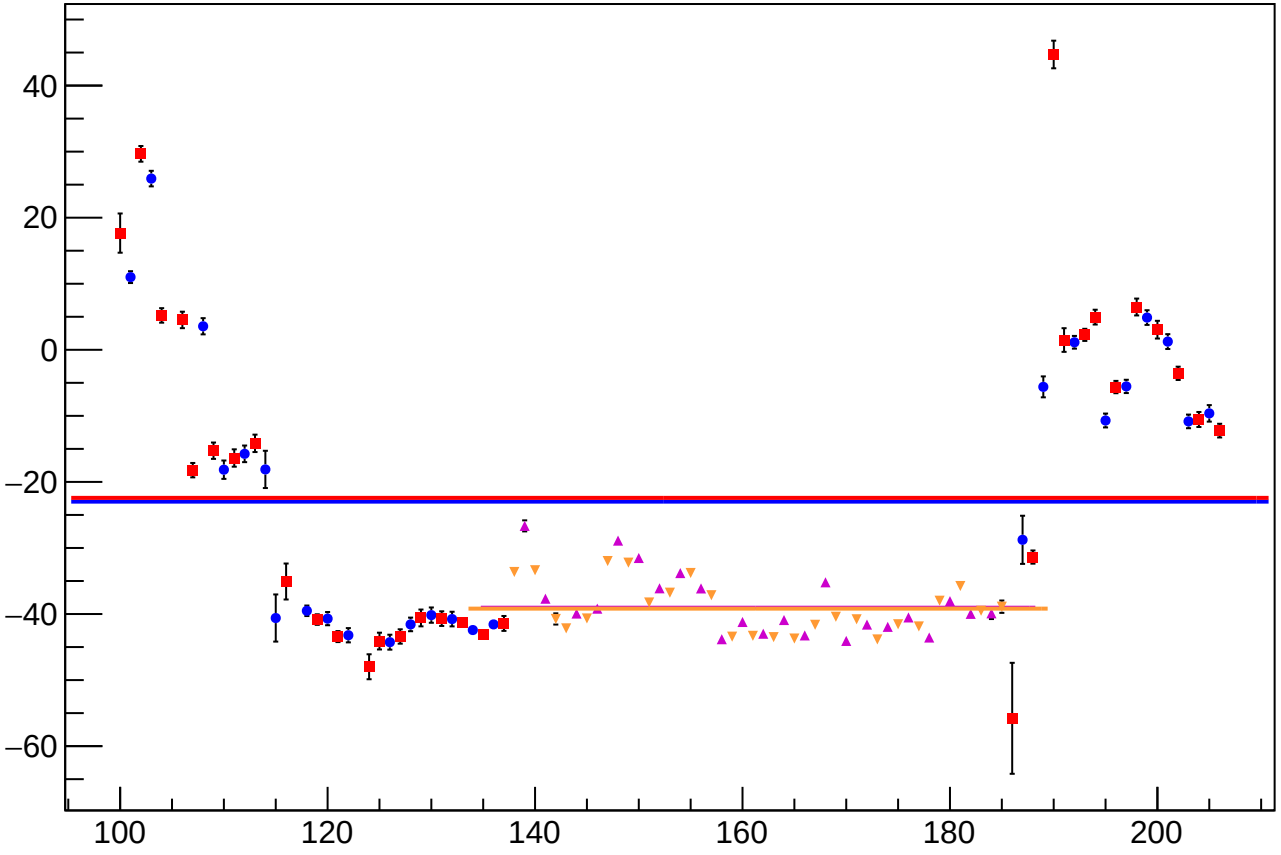
Left In: -10.184+/-0.139 χ^2/NDF:1142.6/22

+ sign -8.504+/-0.107 χ^2/NDF: 1641.9/49

All: -8.331+/-0.074 χ^2/NDF: 3603.5/103

- sign -8.171+/-0.103 χ^2/NDF: 1956.6/53

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -22.983+/-0.210 χ^2/NDF: 10405.0/24

Left Out: -39.183+/-0.120 χ^2/NDF:1034.1/24

Right Out: -22.415+/-0.195 χ^2/NDF: 12672.9/30

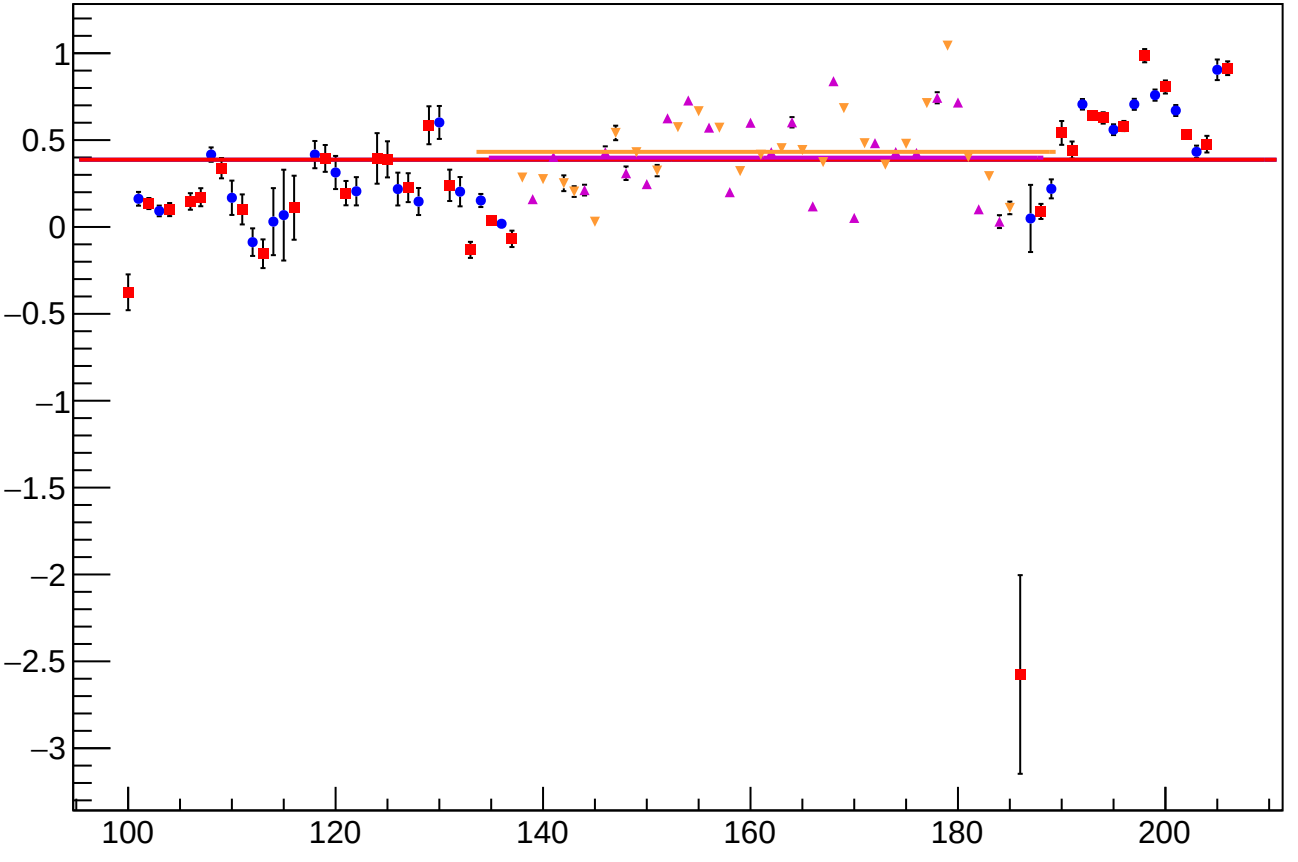
Left In: -39.044+/-0.124 χ^2/NDF:1226.4/22

+ sign -35.192+/-0.104 χ^2/NDF: 15928.5/49

All: -34.724+/-0.074 χ^2/NDF: 35032.1/103

- sign -34.250+/-0.105 χ^2/NDF: 19063.0/53

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.387+/-0.009 χ^2/NDF: 1076.6/24

Left Out: 0.432+/-0.005 χ^2/NDF:1368.7/24

Right Out: 0.387+/-0.008 χ^2/NDF: 1536.1/30

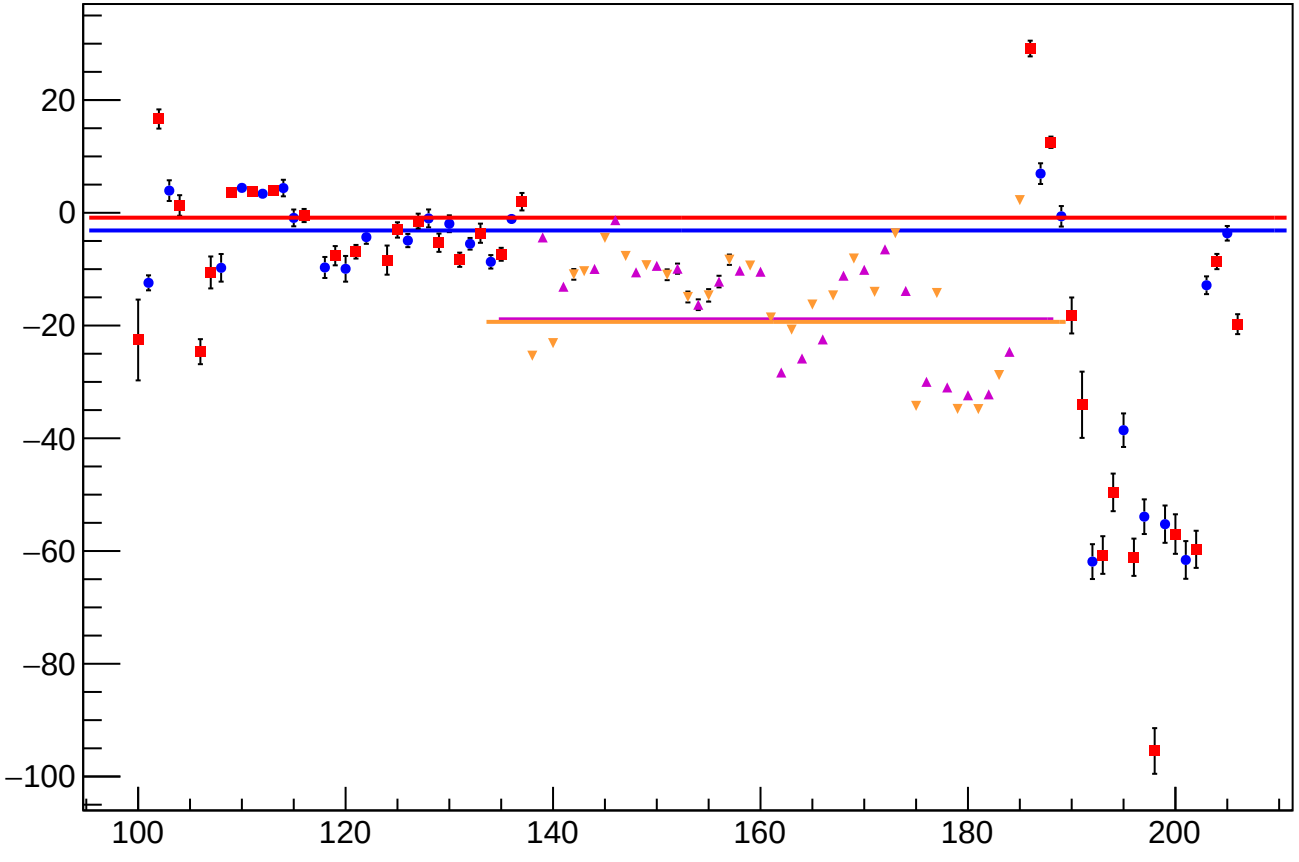
Left In: 0.399+/-0.005 χ^2/NDF:1923.8/22

+ sign 0.420+/-0.005 χ^2/NDF: 2464.7/49

All: 0.408+/-0.003 χ^2/NDF: 5941.0/103

- sign 0.395+/-0.004 χ^2/NDF: 3461.3/53

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -3.136+/-0.260 χ^2/NDF: 1783.6/24

Left Out: -19.347+/-0.113 χ^2/NDF:10394.7/24

Right Out: -0.866+/-0.242 χ^2/NDF: 3373.8/30

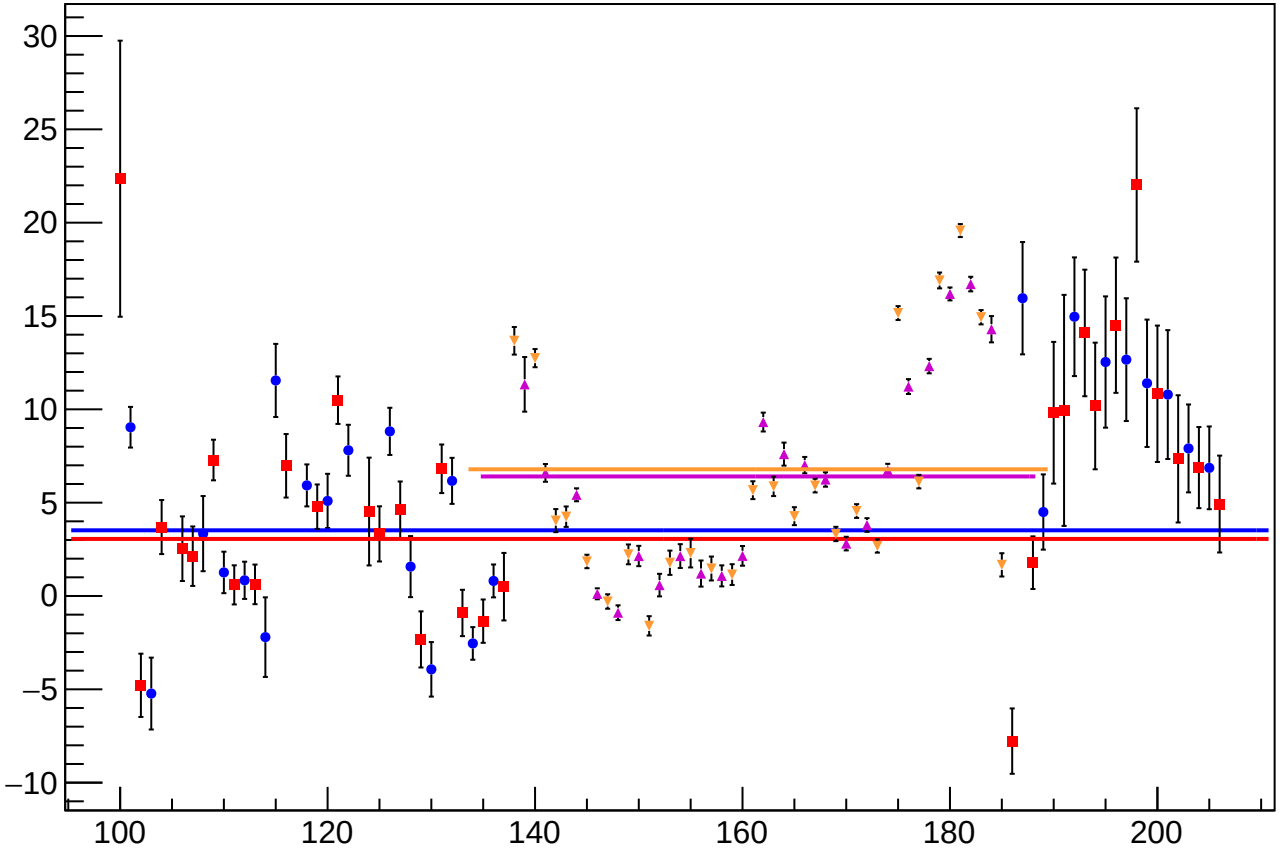
Left In: -18.902+/-0.116 χ^2/NDF:8286.2/22

+ sign -16.756+/-0.104 χ^2/NDF: 15446.7/49

All: -16.142+/-0.074 χ^2/NDF: 31702.2/103

- sign -15.518+/-0.105 χ^2/NDF: 16185.0/53

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 3.519+/-0.297 χ^2/NDF: 264.6/24

Left Out: 6.788+/-0.090 χ^2/NDF:4632.5/24

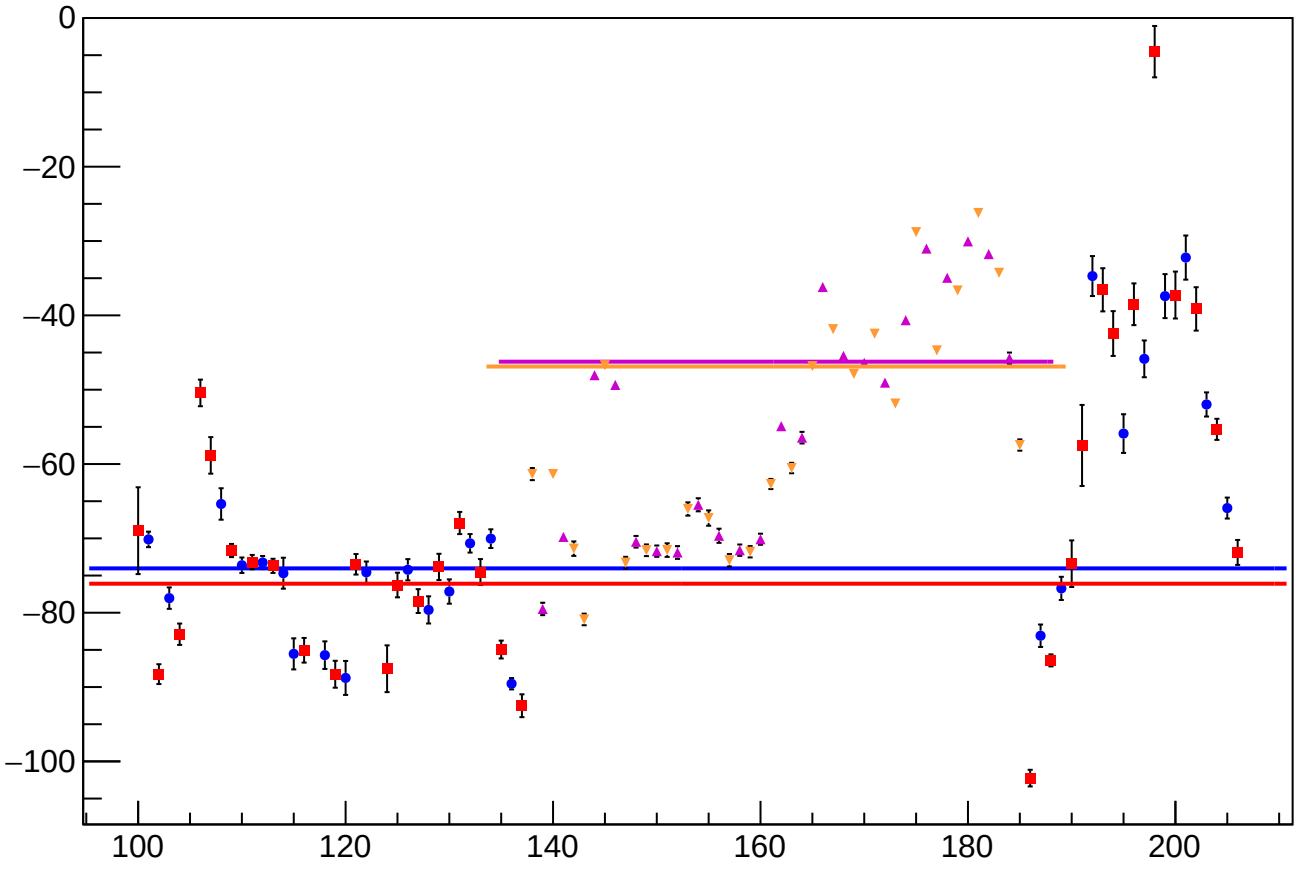
Right Out: 3.057+/-0.296 χ^2/NDF: 244.9/30

Left In: 6.404+/-0.091 χ^2/NDF:3410.4/22

+ sign 6.512+/-0.086 χ^2/NDF: 5008.3/49

All: 6.315+/-0.061 χ^2/NDF: 8790.6/103

- sign 6.115+/-0.087 χ^2/NDF: 3771.9/53



Right In: -74.036+/-0.291 χ^2/NDF: 1592.8/24

Left Out: -46.883+/-0.114 χ^2/NDF:17974.5/24

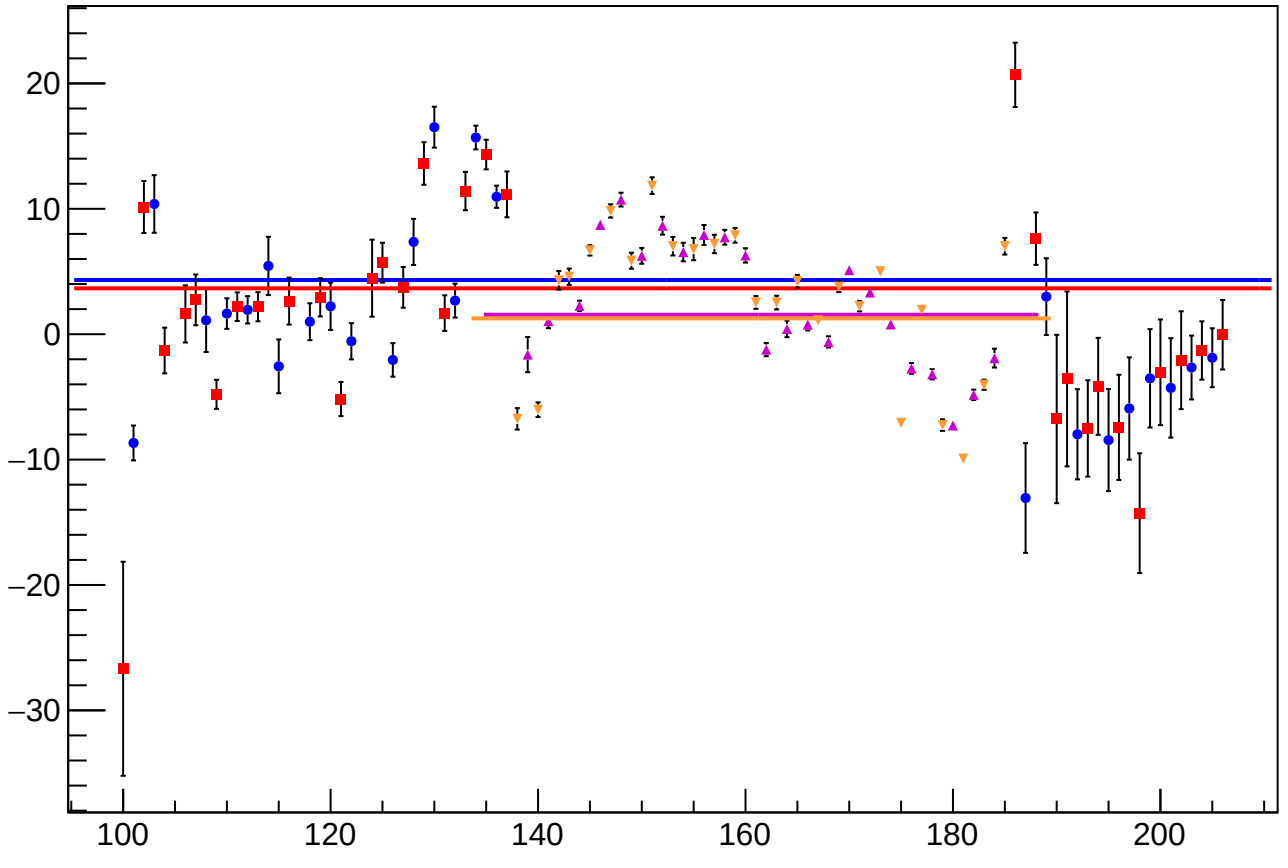
Right Out: -76.099+/-0.275 χ^2/NDF: 2868.0/30

Left In: -46.231+/-0.116 χ^2/NDF:15169.3/22

+ sign -50.488+/-0.106 χ^2/NDF: 27113.5/49

All: -50.625+/-0.075 χ^2/NDF: 55171.5/103

- sign -50.765+/-0.107 χ^2/NDF: 28054.7/53



Right In: 4.320+/-0.333 χ^2/NDF: 484.7/24

Left Out: 1.261+/-0.100 χ^2/NDF:3445.7/24

Right Out: 3.659+/-0.338 χ^2/NDF: 387.6/30

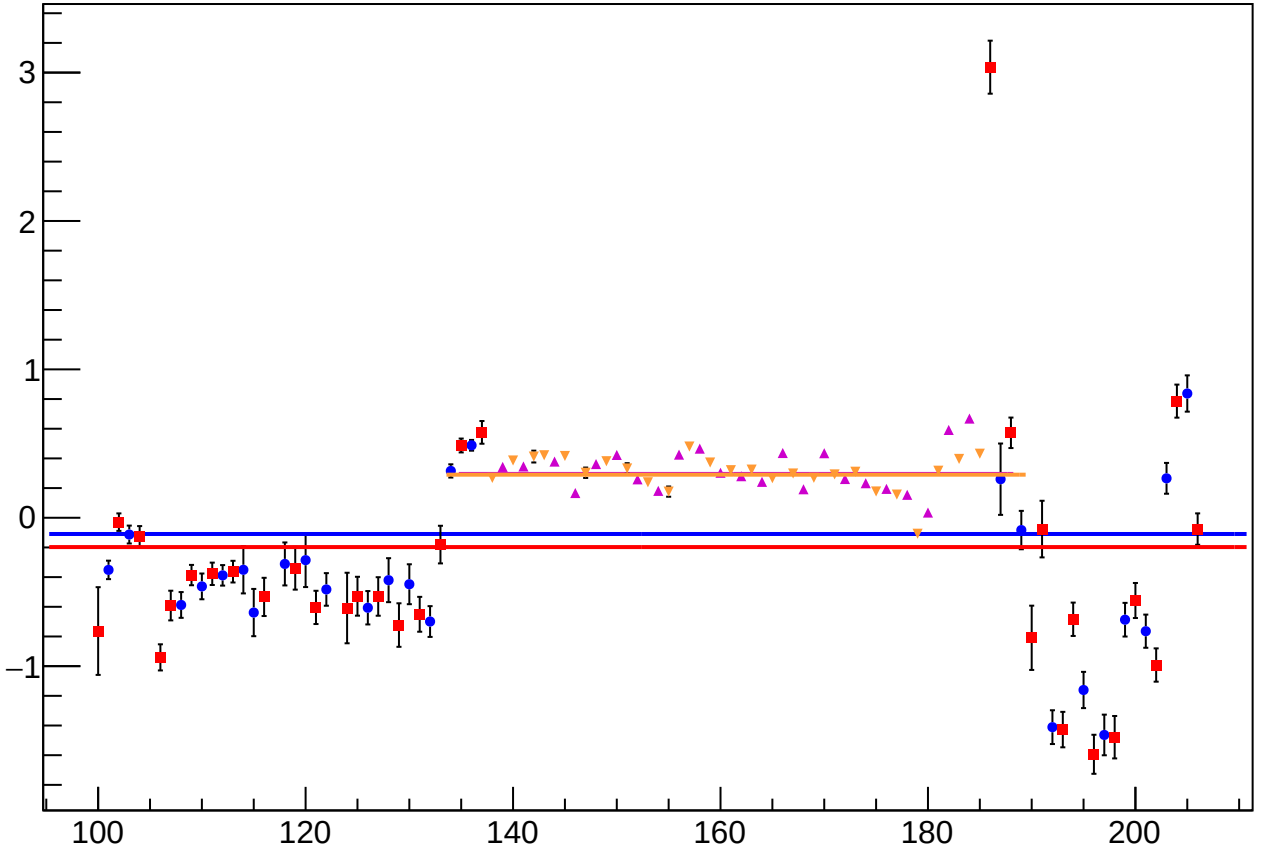
Left In: 1.551+/-0.102 χ^2/NDF:2335.7/22

+ sign 1.516+/-0.096 χ^2/NDF: 4007.5/49

All: 1.620+/-0.069 χ^2/NDF: 6768.8/103

- sign 1.727+/-0.098 χ^2/NDF: 2758.9/53

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.109+/-0.017 χ^2/NDF: 970.4/24

Left Out: 0.290+/-0.004 χ^2/NDF:719.3/24

Right Out: -0.198+/-0.018 χ^2/NDF: 1347.9/30

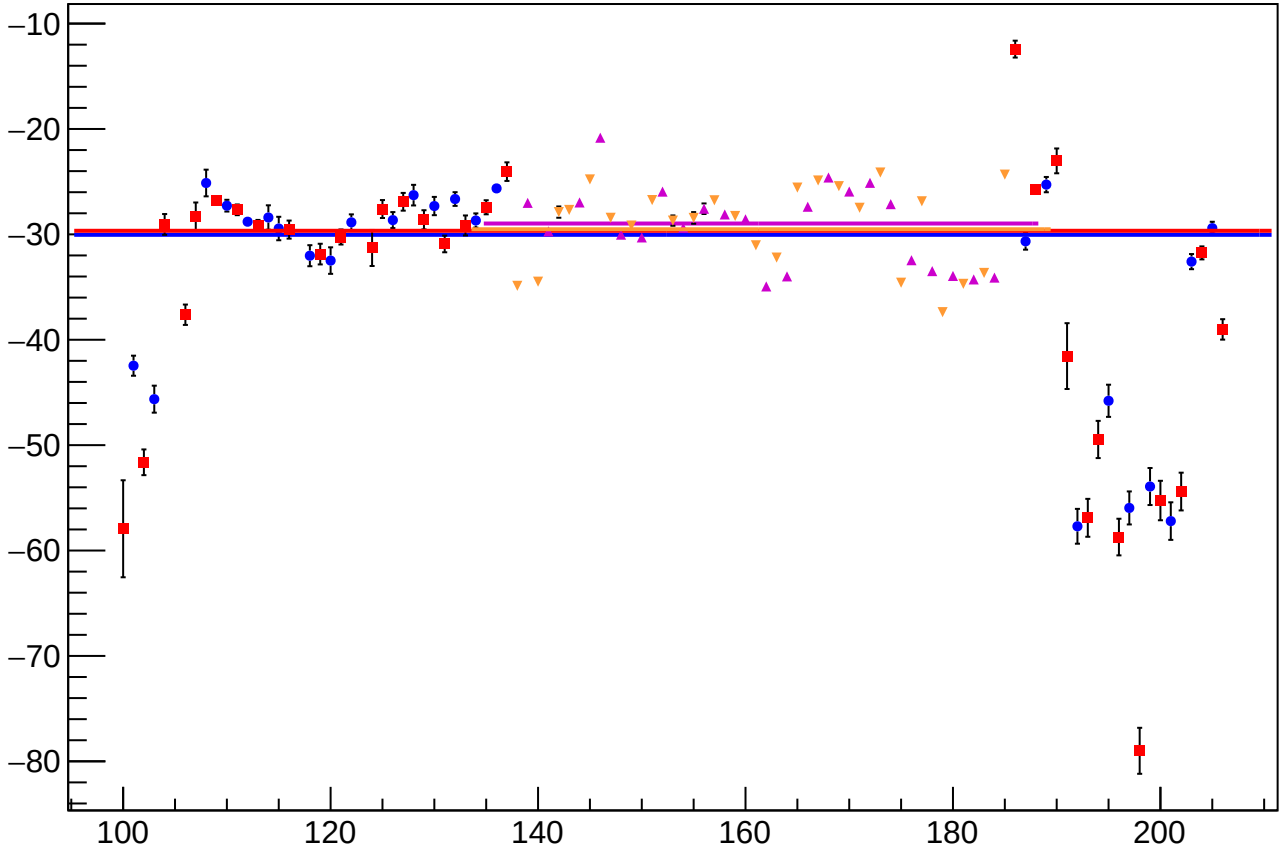
Left In: 0.295+/-0.005 χ^2/NDF:1035.4/22

+ sign 0.265+/-0.004 χ^2/NDF: 2195.2/49

All: 0.265+/-0.003 χ^2/NDF: 5307.3/103

- sign 0.264+/-0.004 χ^2/NDF: 3112.0/53

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -30.042+/-0.160 χ^2/NDF: 1674.1/24

Left Out: -29.516+/-0.056 χ^2/NDF:6088.5/24

Right Out: -29.660+/-0.152 χ^2/NDF: 2782.6/30

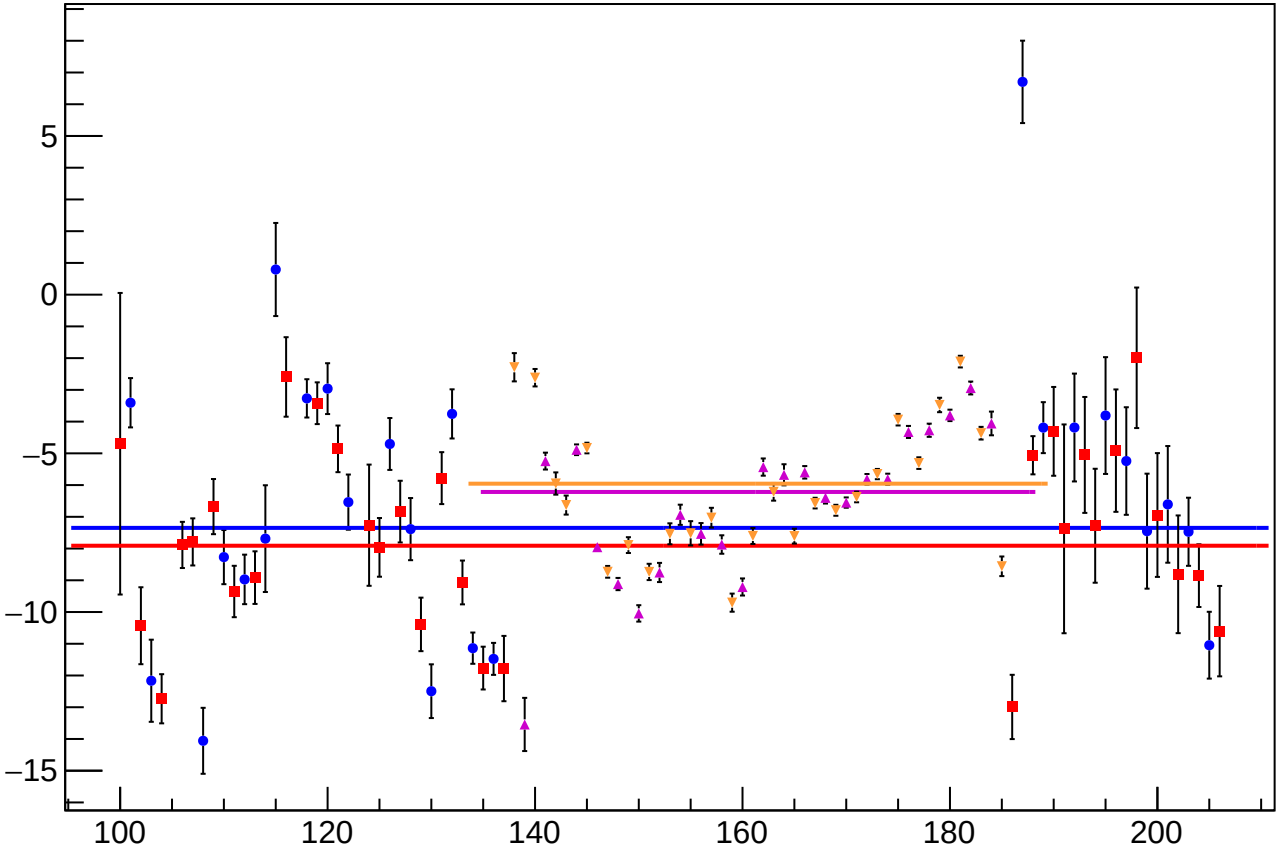
Left In: -28.971+/-0.057 χ^2/NDF:5348.6/22

+ sign -29.574+/-0.053 χ^2/NDF: 7772.2/49

All: -29.316+/-0.038 χ^2/NDF: 15968.7/103

- sign -29.056+/-0.053 χ^2/NDF: 8149.3/53

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.349+/-0.177 χ^2/NDF: 543.3/24

Left Out: -5.956+/-0.044 χ^2/NDF:1857.8/24

Right Out: -7.911+/-0.173 χ^2/NDF: 269.9/30

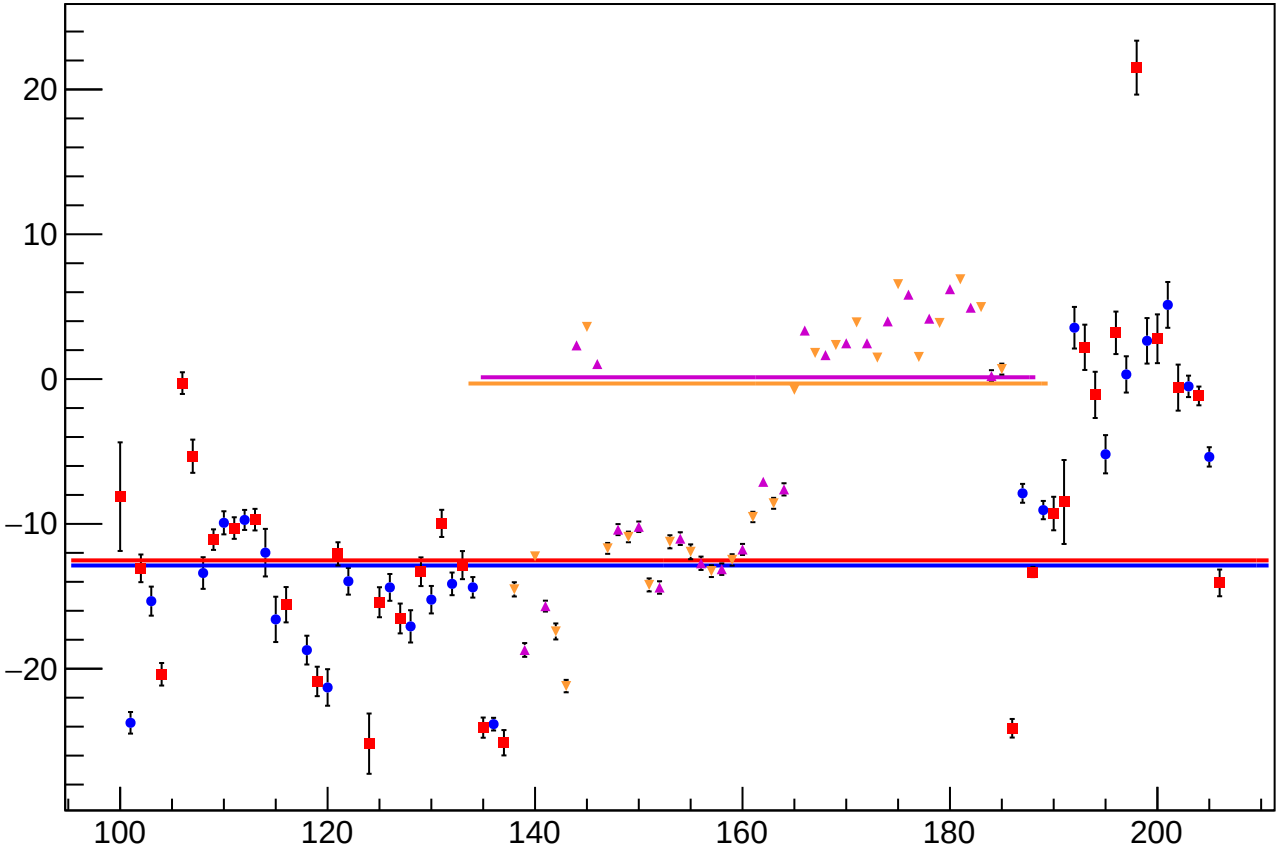
Left In: -6.217+/-0.044 χ^2/NDF:1741.8/22

+ sign -6.038+/-0.043 χ^2/NDF: 2459.2/49

All: -6.180+/-0.030 χ^2/NDF: 4582.3/103

- sign -6.320+/-0.043 χ^2/NDF: 2101.5/53

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -12.872+/-0.171 χ^2/NDF: 1998.4/24

Left Out: -0.306+/-0.057 χ^2/NDF:17181.6/24

Right Out: -12.518+/-0.158 χ^2/NDF: 2439.1/30

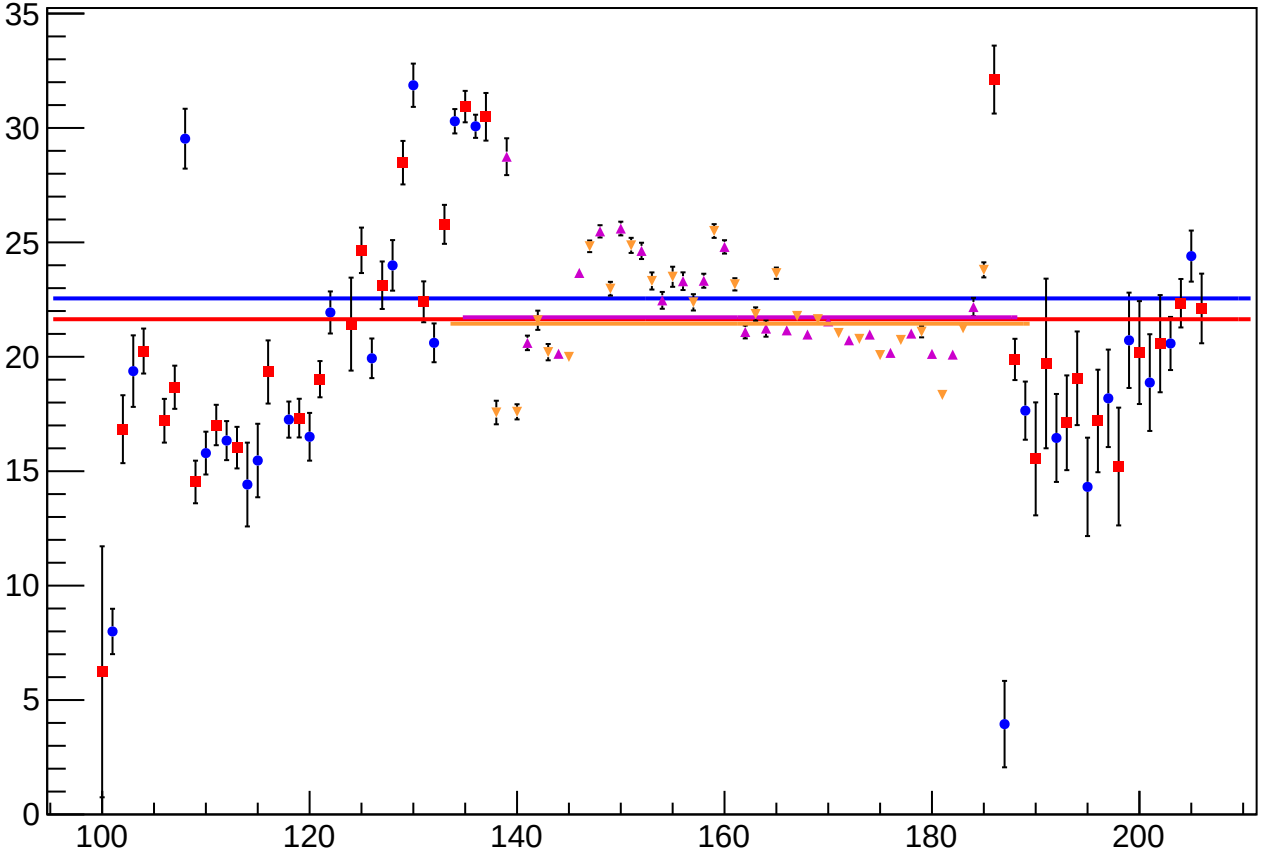
Left In: 0.125+/-0.057 χ^2/NDF:13838.6/22

+ sign -1.546+/-0.054 χ^2/NDF: 24052.4/49

All: -1.438+/-0.038 χ^2/NDF: 45999.2/103

- sign -1.330+/-0.054 χ^2/NDF: 21938.6/53

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 22.551+/-0.202 χ^2/NDF: 1167.7/24

Left Out: 21.447+/-0.050 χ^2/NDF:1325.2/24

Right Out: 21.642+/-0.203 χ^2/NDF: 636.1/30

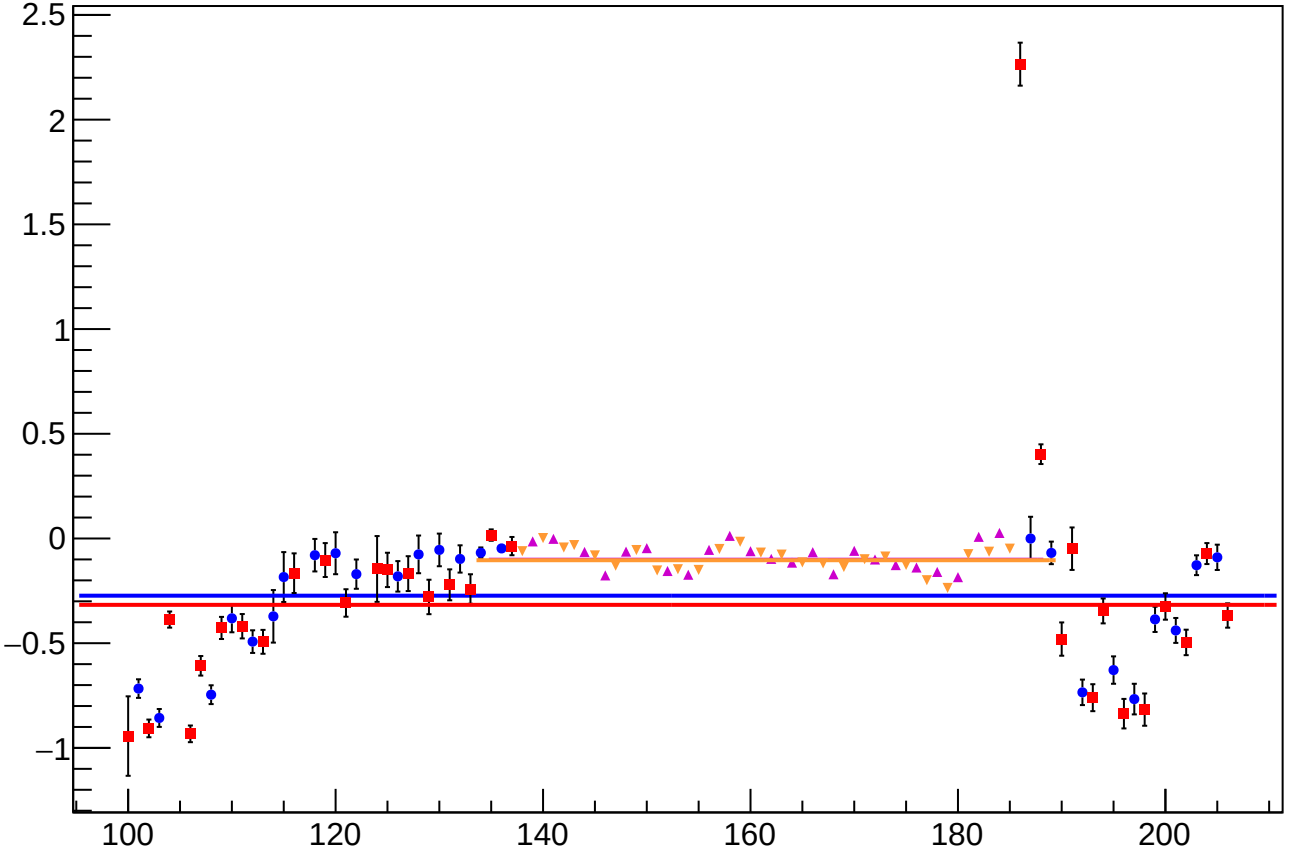
Left In: 21.725+/-0.050 χ^2/NDF:1173.7/22

+ sign 21.510+/-0.048 χ^2/NDF: 2521.2/49

All: 21.615+/-0.034 χ^2/NDF: 4340.8/103

- sign 21.721+/-0.048 χ^2/NDF: 1809.9/53

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.273+/-0.010 χ^2/NDF: 821.2/24

Left Out: -0.104+/-0.002 χ^2/NDF:547.4/24

Right Out: -0.317+/-0.010 χ^2/NDF: 1773.2/30

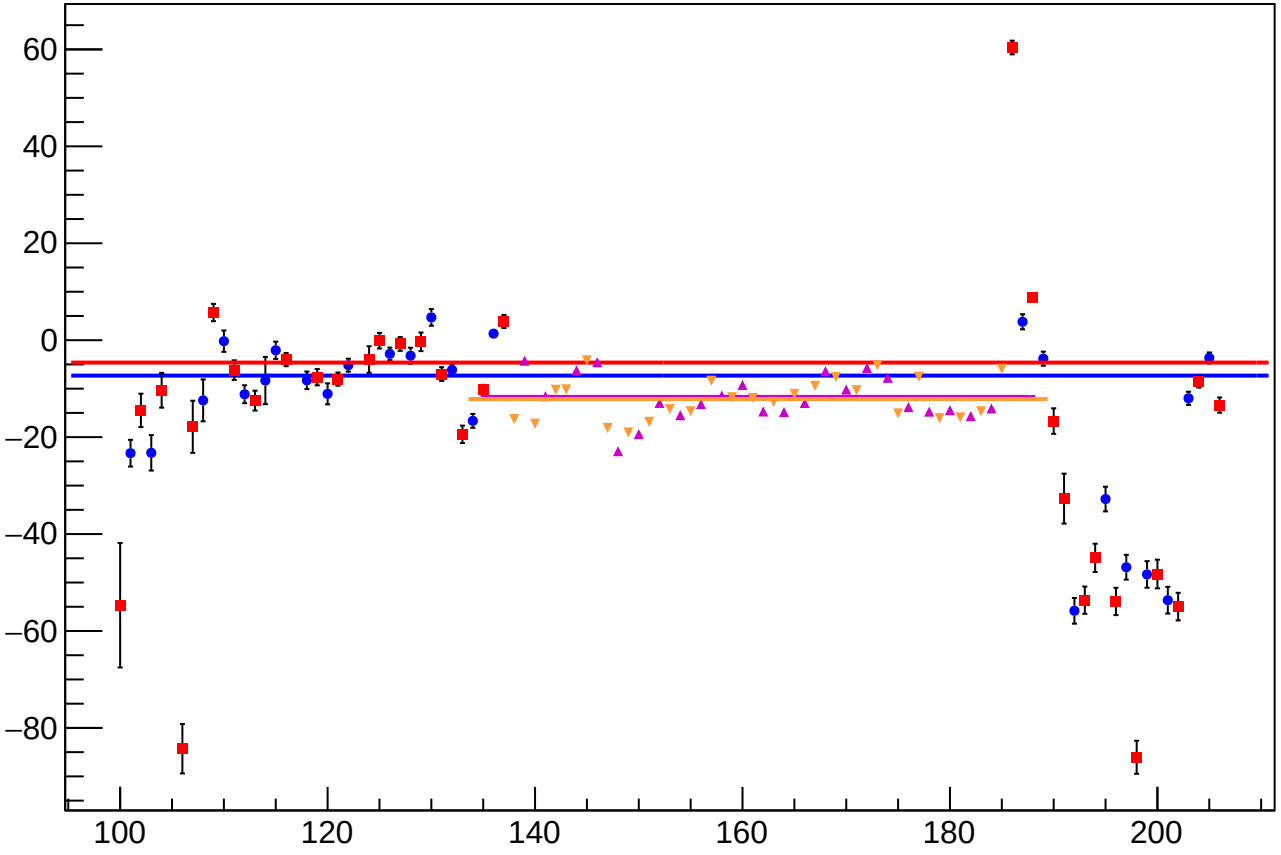
Left In: -0.101+/-0.002 χ^2/NDF:757.6/22

+ sign -0.111+/-0.002 χ^2/NDF: 1636.0/49

All: -0.111+/-0.002 χ^2/NDF: 4587.3/103

- sign -0.111+/-0.002 χ^2/NDF: 2951.3/53

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -7.305+/-0.319 χ^2/NDF: 1615.6/24

Left Out: -12.143+/-0.092 χ^2/NDF:2130.5/24

Right Out: -4.617+/-0.316 χ^2/NDF: 4874.9/30

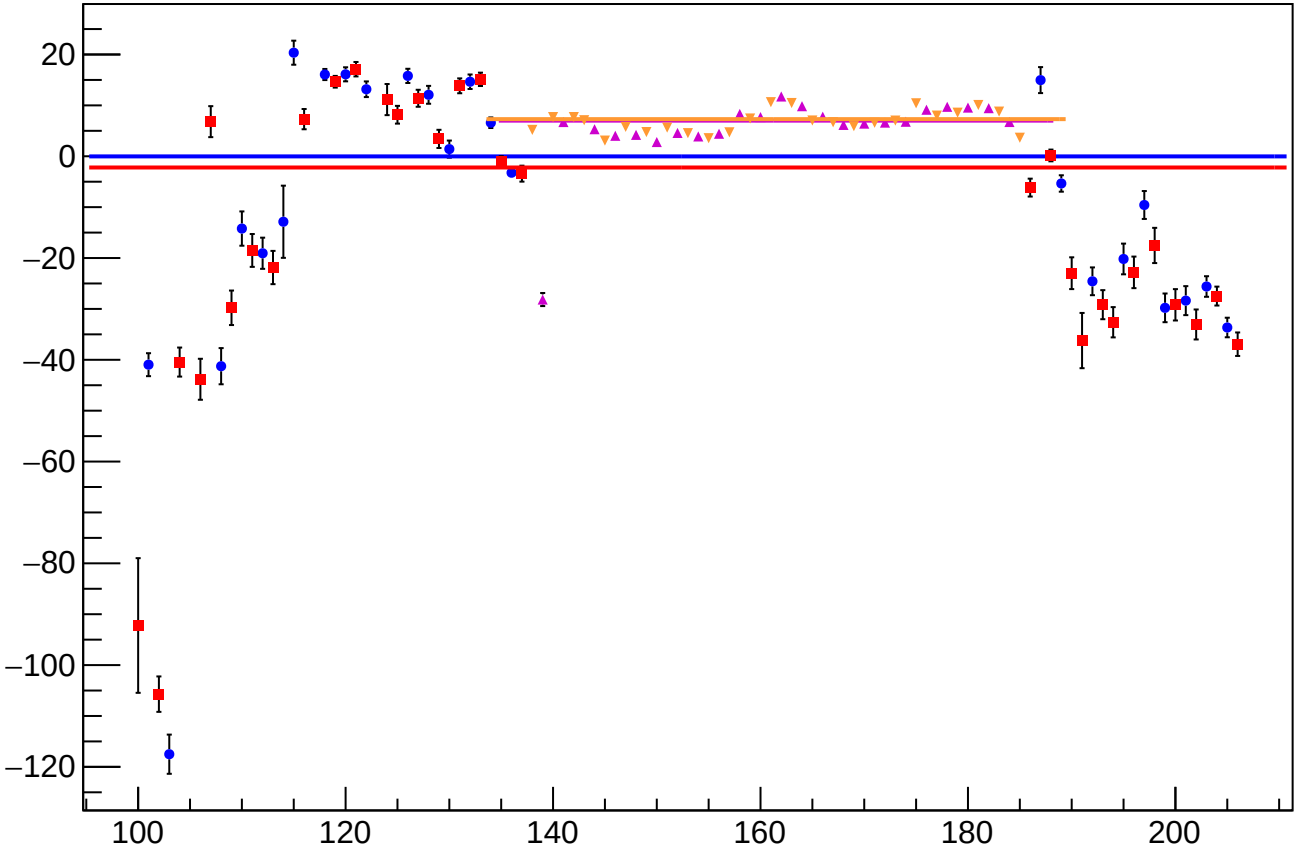
Left In: -11.698+/-0.094 χ^2/NDF:1951.0/22

+ sign -11.776+/-0.088 χ^2/NDF: 3958.1/49

All: -11.456+/-0.063 χ^2/NDF: 11273.0/103

- sign -11.118+/-0.090 χ^2/NDF: 7287.8/53

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -0.025+/-0.345 χ^2/NDF: 3154.2/24

Left Out: 7.297+/-0.075 χ^2/NDF:822.9/24

Right Out: -2.207+/-0.355 χ^2/NDF: 3151.6/30

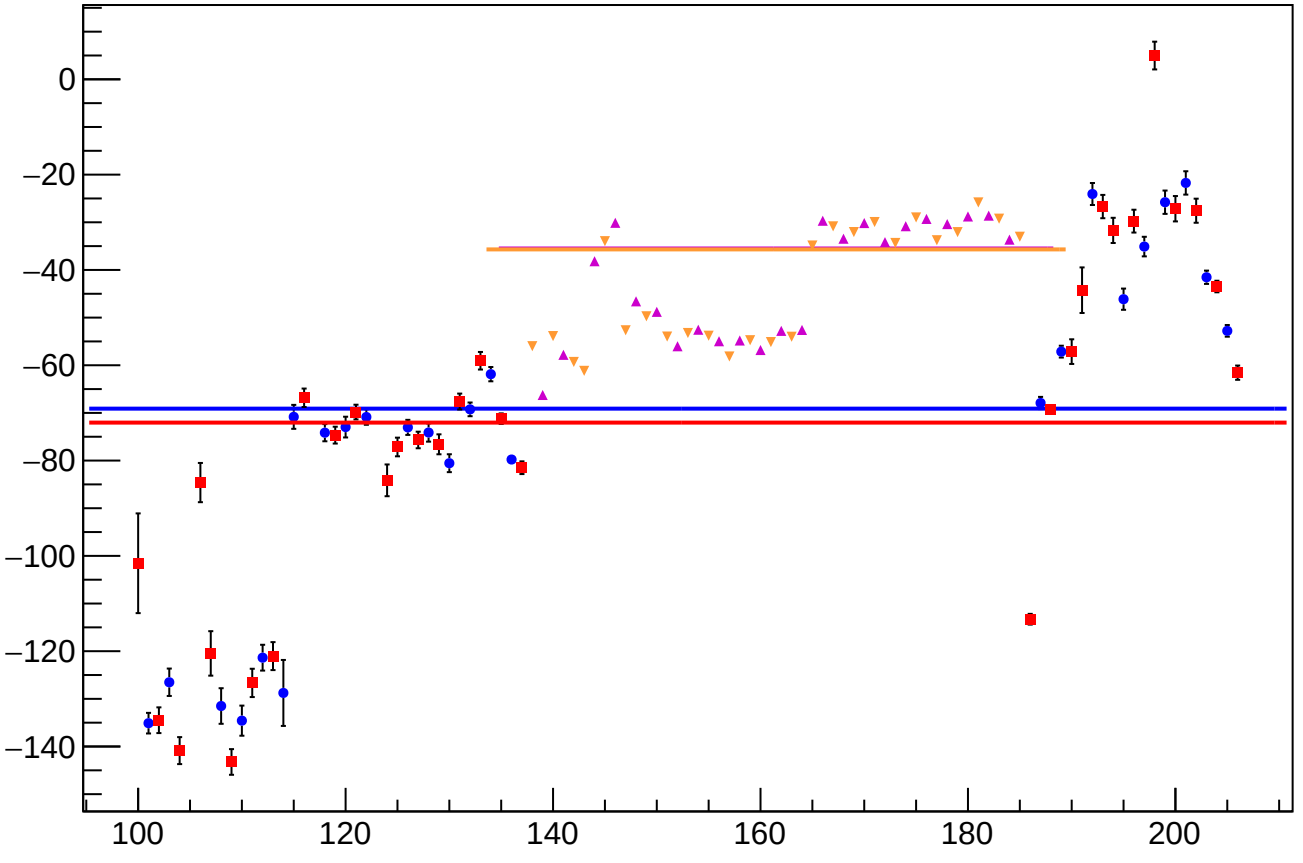
Left In: 7.004+/-0.076 χ^2/NDF:1576.0/22

+ sign 6.966+/-0.073 χ^2/NDF: 4408.3/49

All: 6.786+/-0.052 χ^2/NDF: 9791.9/103

- sign 6.601+/-0.074 χ^2/NDF: 5371.3/53

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -69.104+/-0.331 χ^2/NDF: 4927.2/24

Left Out: -35.690+/-0.092 χ^2/NDF:12778.3/24

Right Out: -72.034+/-0.316 χ^2/NDF: 6929.7/30

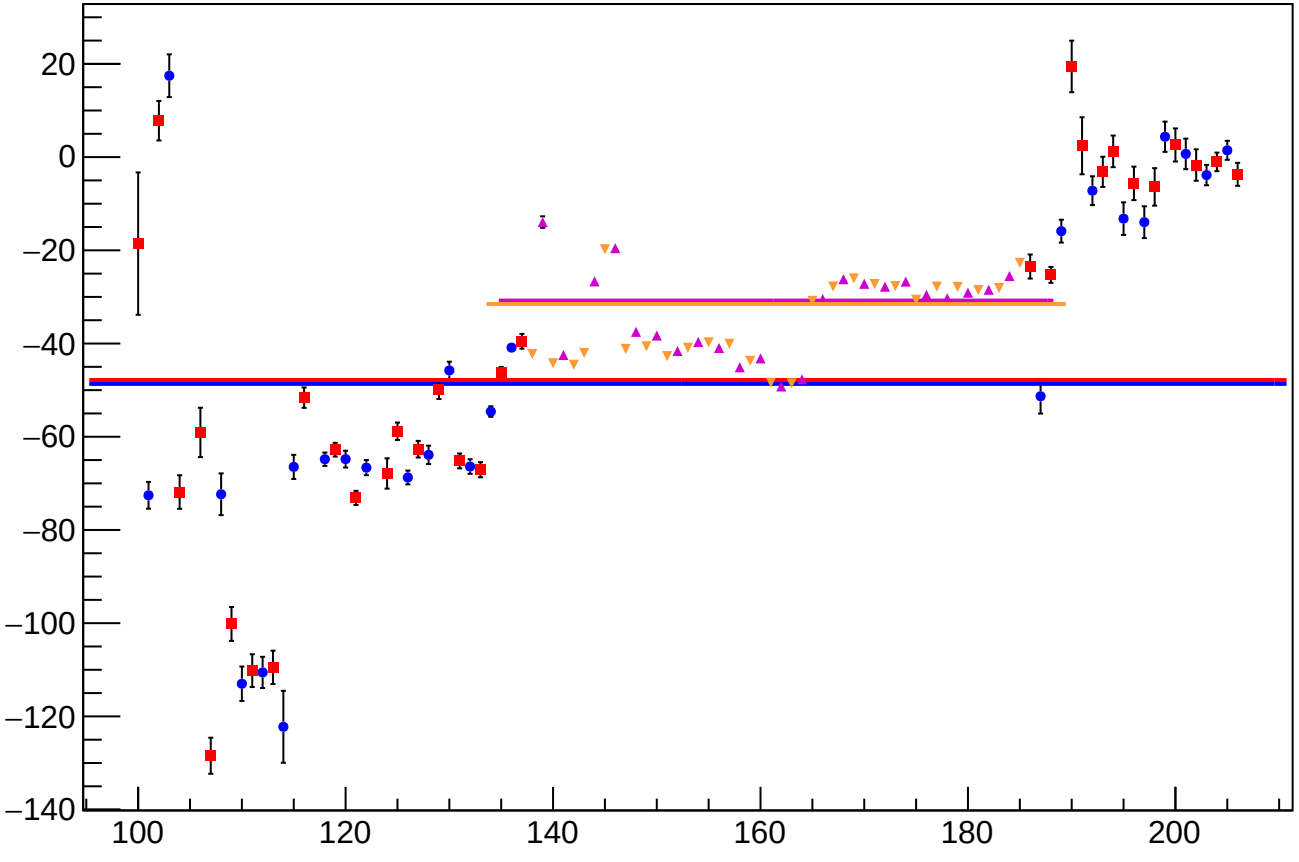
Left In: -35.497+/-0.095 χ^2/NDF:11162.0/22

+ sign -38.104+/-0.089 χ^2/NDF: 27186.9/49

All: -38.295+/-0.063 χ^2/NDF: 57530.1/103

- sign -38.495+/-0.091 χ^2/NDF: 30333.7/53

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -48.655+/-0.387 χ^2/NDF: 4002.3/24

Left Out: -31.520+/-0.083 χ^2/NDF:8457.7/24

Right Out: -47.830+/-0.409 χ^2/NDF: 4674.5/30

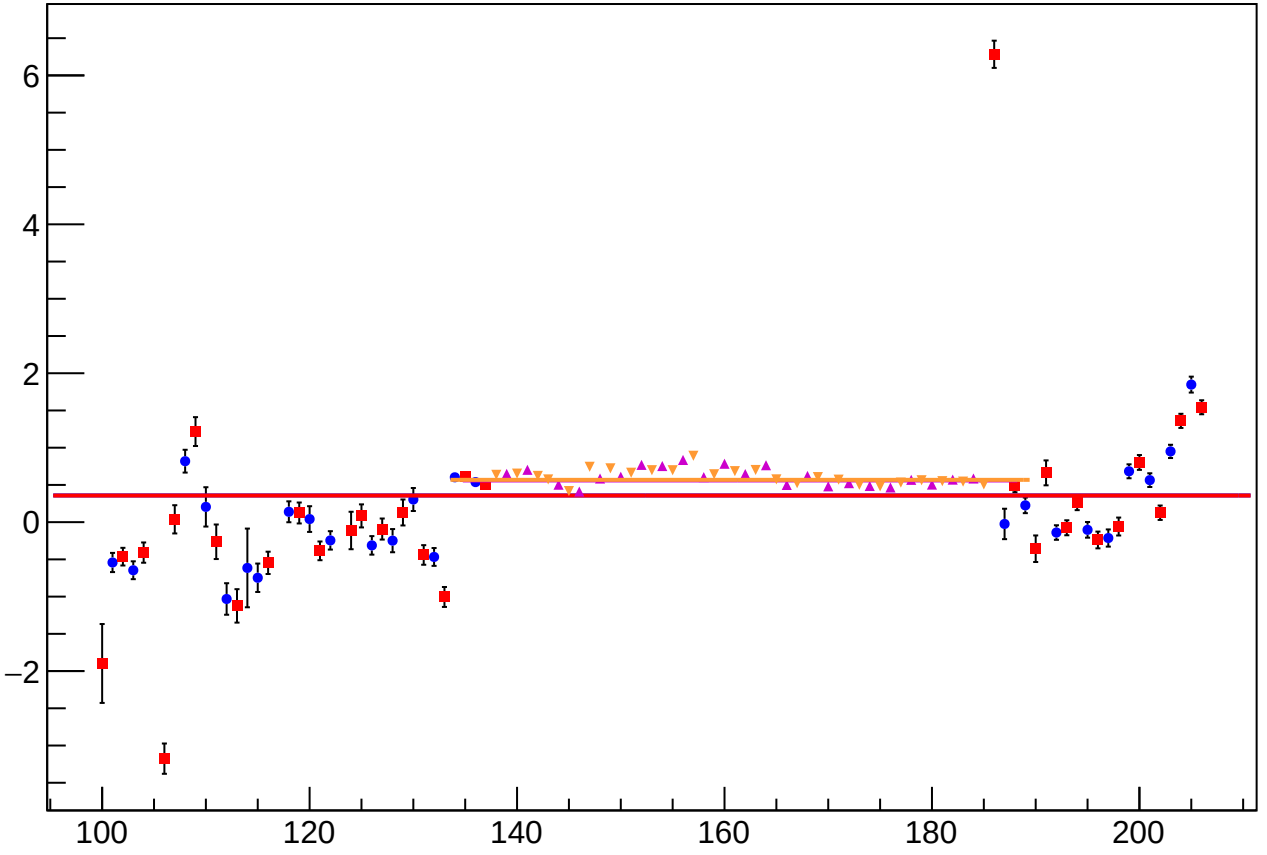
Left In: -30.789+/-0.084 χ^2/NDF:7548.8/22

+ sign -32.269+/-0.081 χ^2/NDF: 14331.8/49

All: -31.884+/-0.058 χ^2/NDF: 28267.8/103

- sign -31.484+/-0.083 χ^2/NDF: 13889.9/53

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.359+/-0.019 χ^2/NDF: 710.6/24

Left Out: 0.568+/-0.004 χ^2/NDF:554.5/24

Right Out: 0.357+/-0.020 χ^2/NDF: 2172.5/30

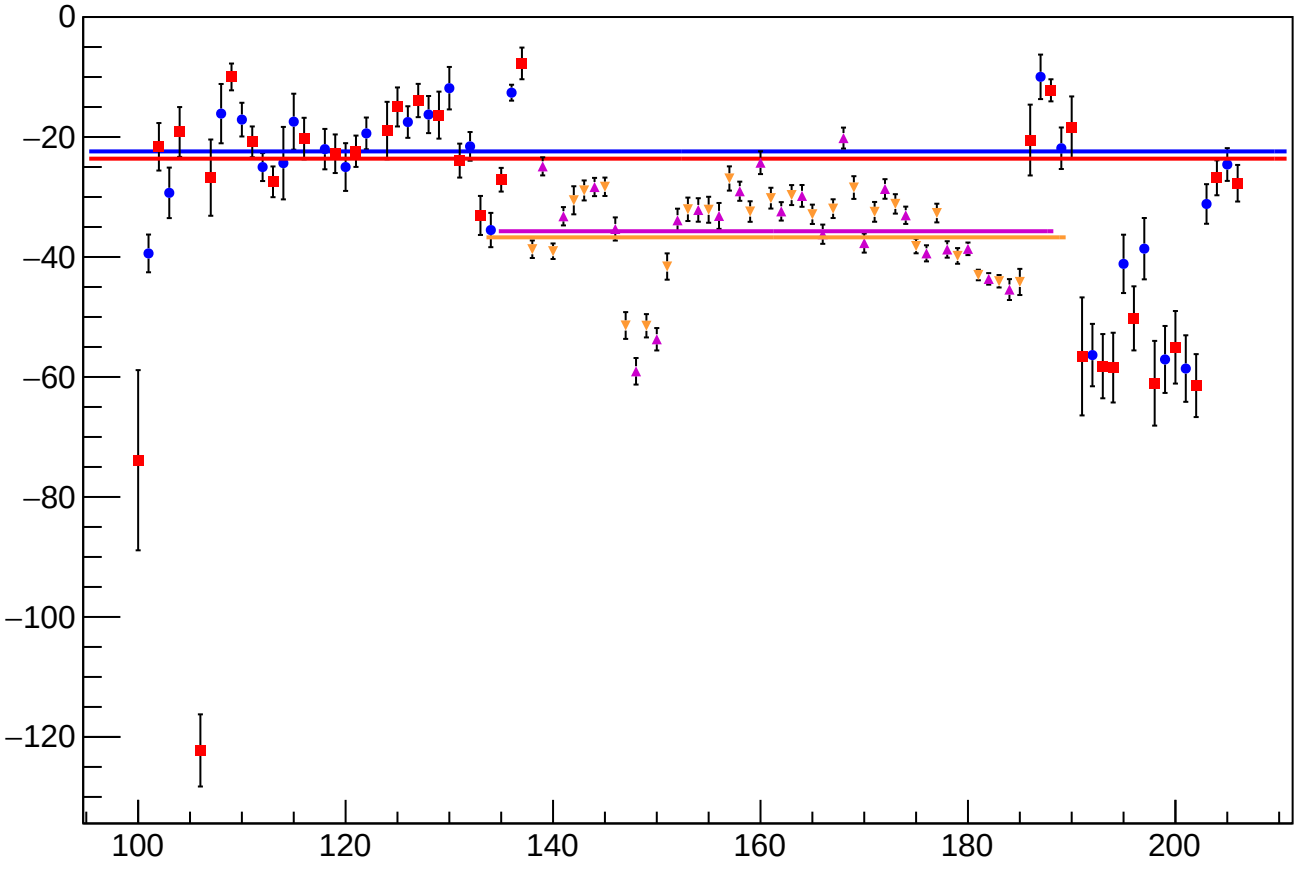
Left In: 0.560+/-0.004 χ^2/NDF:671.5/22

+ sign 0.561+/-0.004 χ^2/NDF: 1380.5/49

All: 0.557+/-0.003 χ^2/NDF: 4323.4/103

- sign 0.553+/-0.004 χ^2/NDF: 2940.7/53

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -22.401+/-0.616 χ^2/NDF: 300.8/24

Left Out: -36.724+/-0.310 χ^2/NDF:420.8/24

Right Out: -23.611+/-0.604 χ^2/NDF: 658.7/30

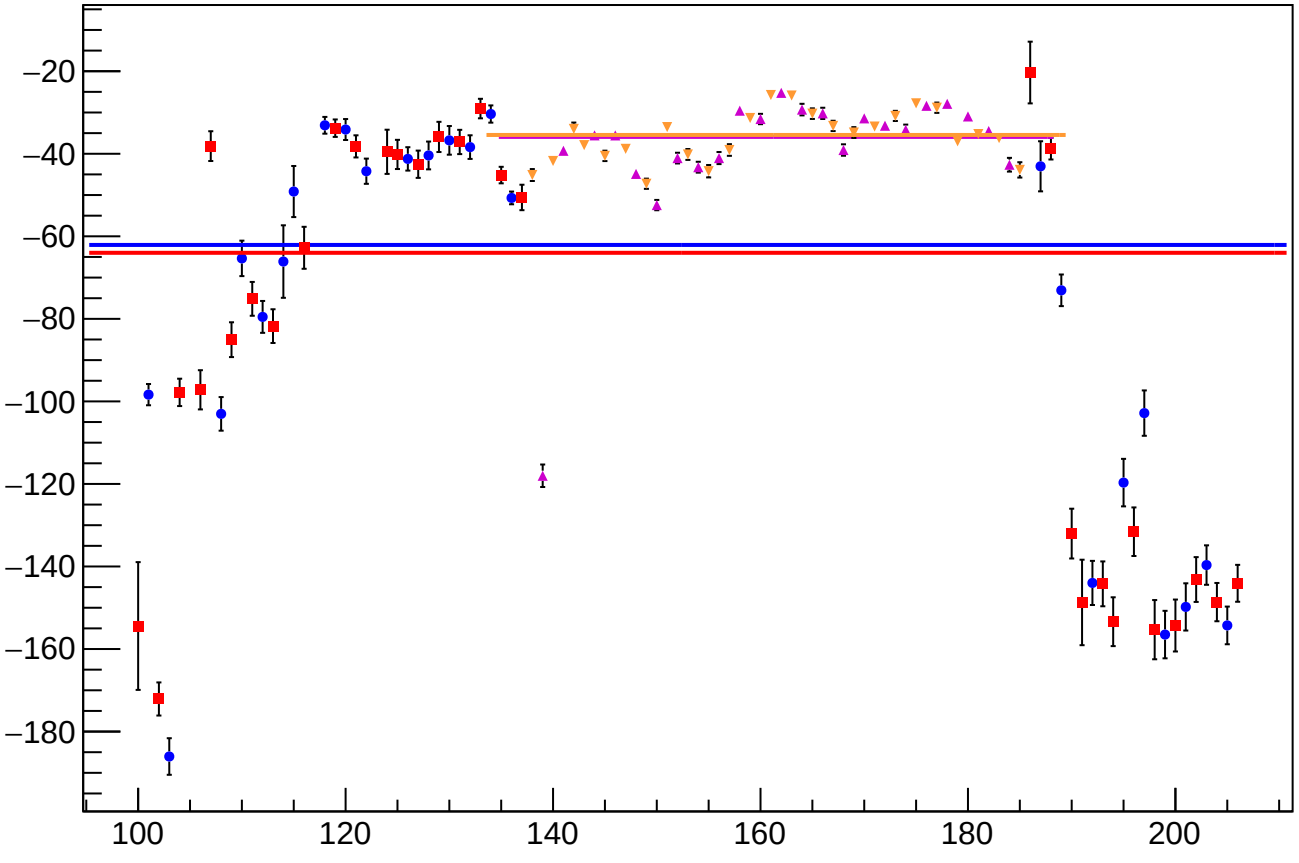
Left In: -35.706+/-0.323 χ^2/NDF:578.6/22

+ sign -33.826+/-0.277 χ^2/NDF: 1153.0/49

All: -33.430+/-0.199 χ^2/NDF: 2706.5/103

- sign -33.012+/-0.285 χ^2/NDF: 1549.3/53

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -62.091+/-0.654 χ^2/NDF: 3552.7/24

Left Out: -35.442+/-0.245 χ^2/NDF:537.8/24

Right Out: -63.995+/-0.666 χ^2/NDF: 4022.5/30

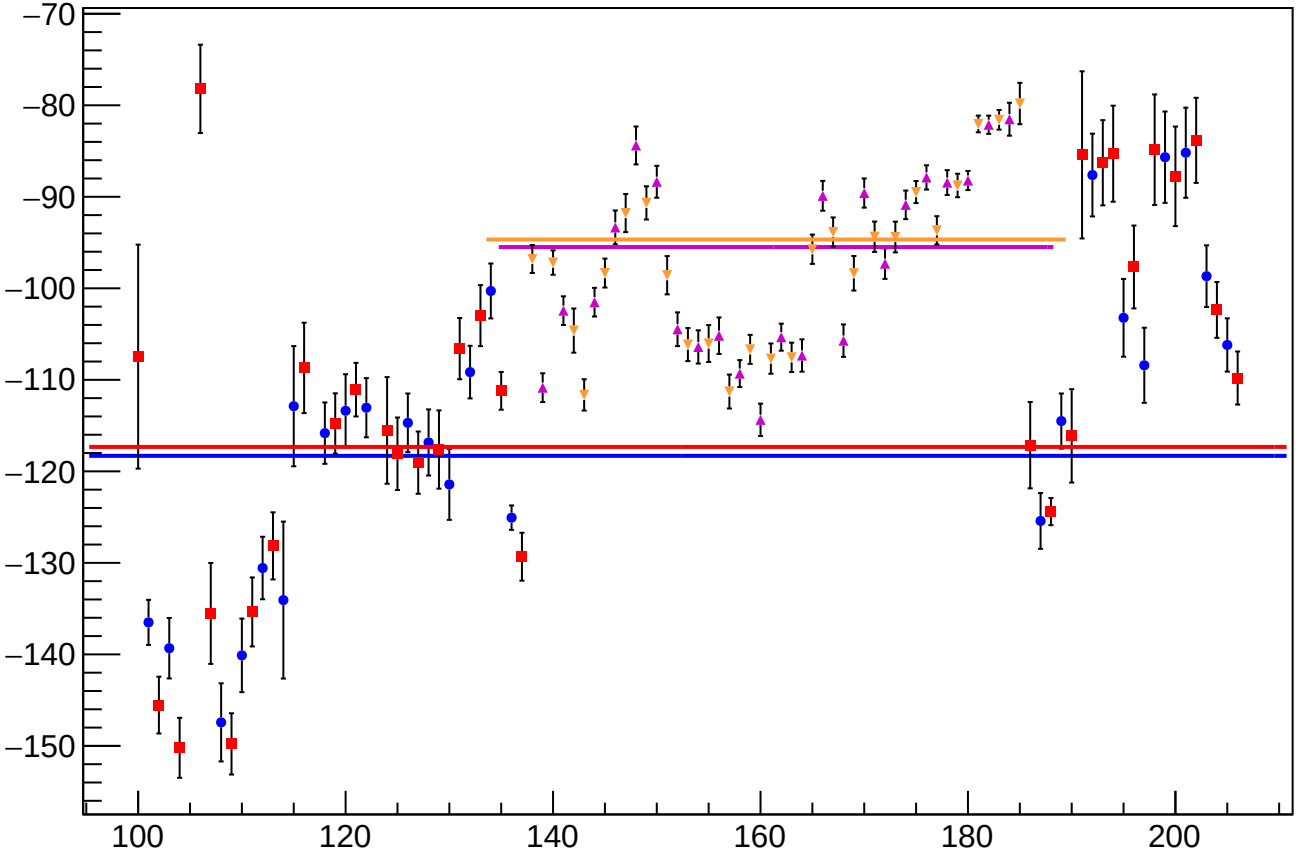
Left In: -35.913+/-0.256 χ^2/NDF:1543.1/22

+ sign -38.722+/-0.229 χ^2/NDF: 5548.0/49

All: -39.109+/-0.165 χ^2/NDF: 12667.4/103

- sign -39.529+/-0.239 χ^2/NDF: 7113.5/53

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -118.308+/-0.639 χ^2/NDF: 477.4/24

Left Out: -94.663+/-0.310 χ^2/NDF:900.1/24

Right Out: -117.330+/-0.623 χ^2/NDF: 730.4/30

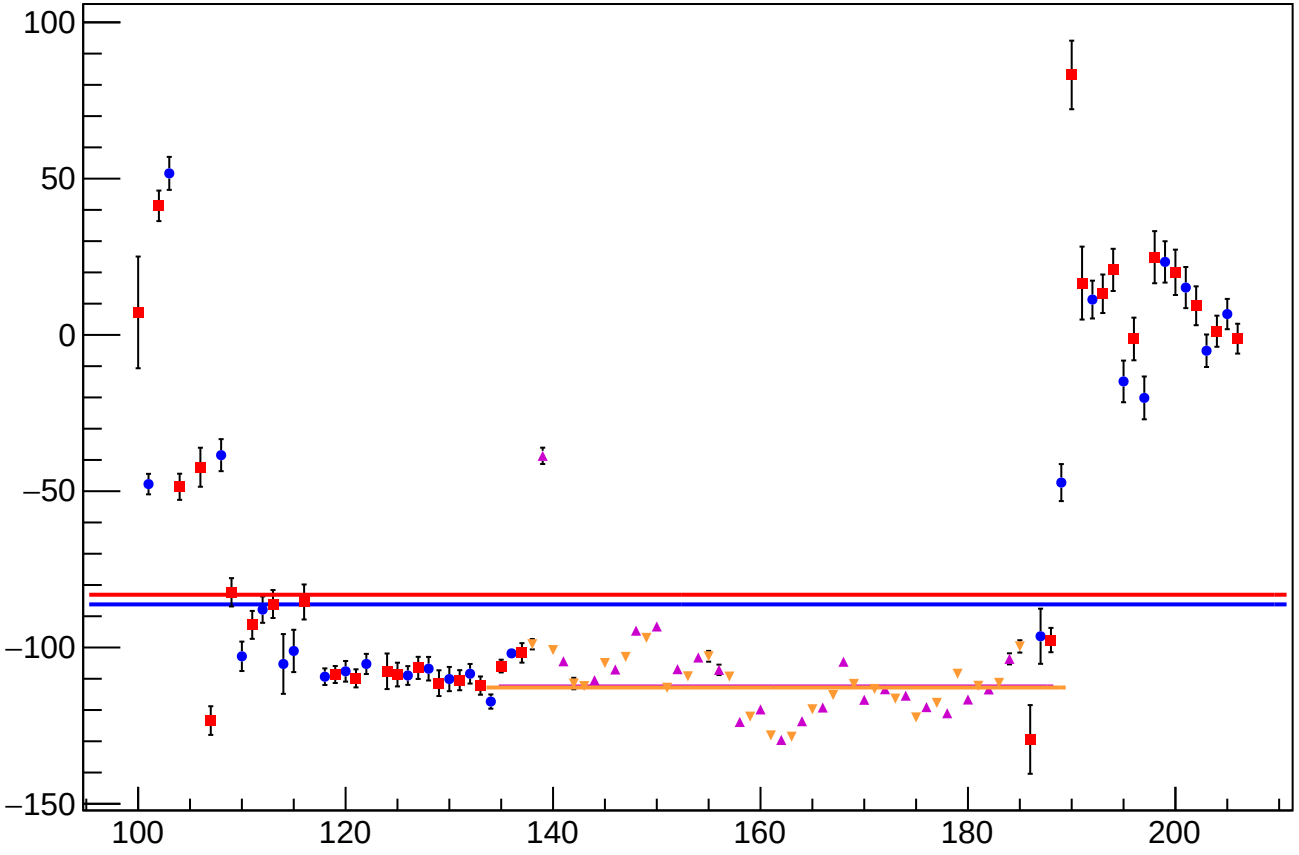
Left In: -95.489+/-0.321 χ^2/NDF:970.1/22

+ sign -99.160+/-0.279 χ^2/NDF: 2485.2/49

All: -99.604+/-0.199 χ^2/NDF: 5160.8/103

- sign -100.070+/-0.286 χ^2/NDF: 2670.4/53

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -86.208+/-0.740 χ^2/NDF: 3179.3/24

Left Out: -112.794+/-0.274 χ^2/NDF:936.4/24

Right Out: -83.118+/-0.764 χ^2/NDF: 3660.4/30

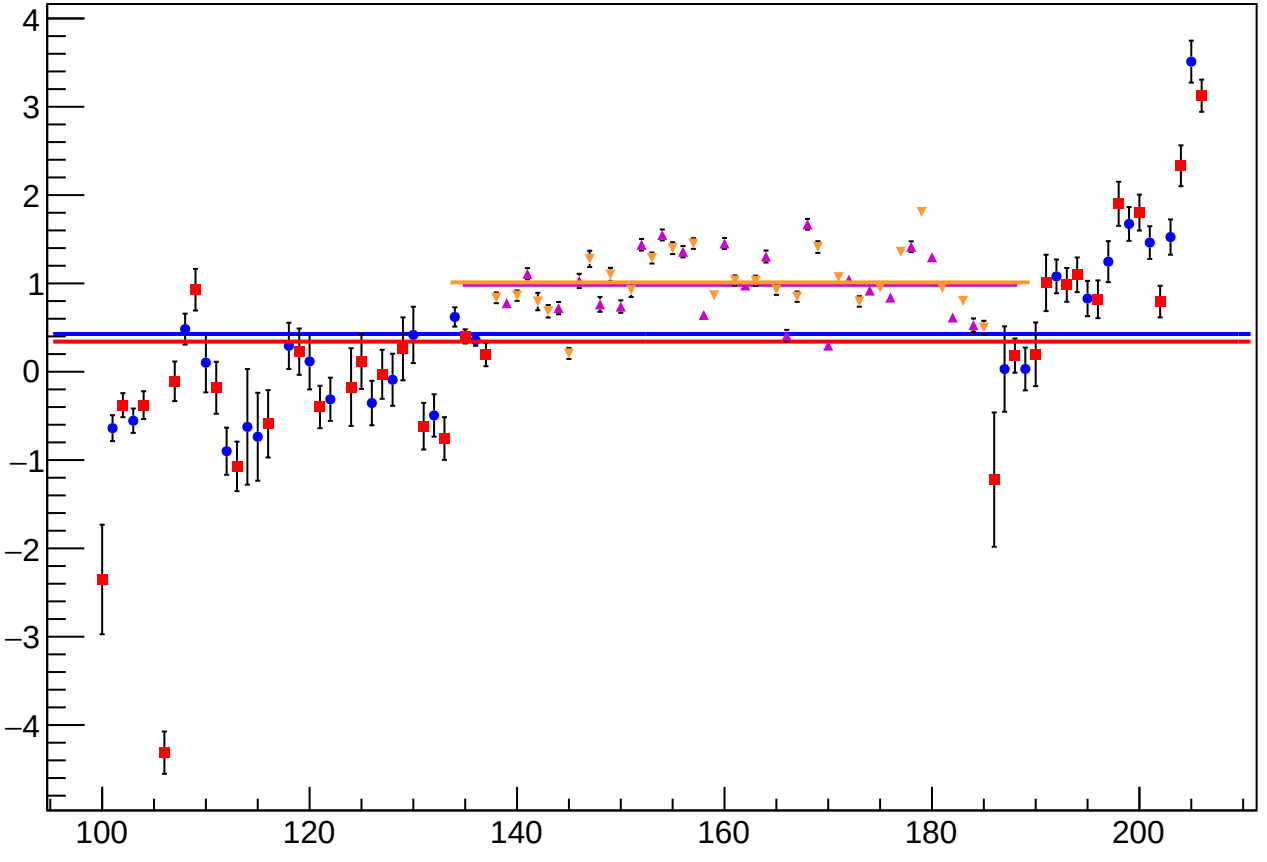
Left In: -112.465+/-0.285 χ^2/NDF:1788.6/22

+ sign -109.584+/-0.257 χ^2/NDF: 5251.9/49

All: -109.249+/-0.185 χ^2/NDF: 11998.7/103

- sign -108.887+/-0.267 χ^2/NDF: 6743.3/53

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.428+/-0.036 χ^2/NDF: 483.2/24

Left Out: 1.012+/-0.012 χ^2/NDF:691.2/24

Right Out: 0.341+/-0.037 χ^2/NDF: 984.1/30

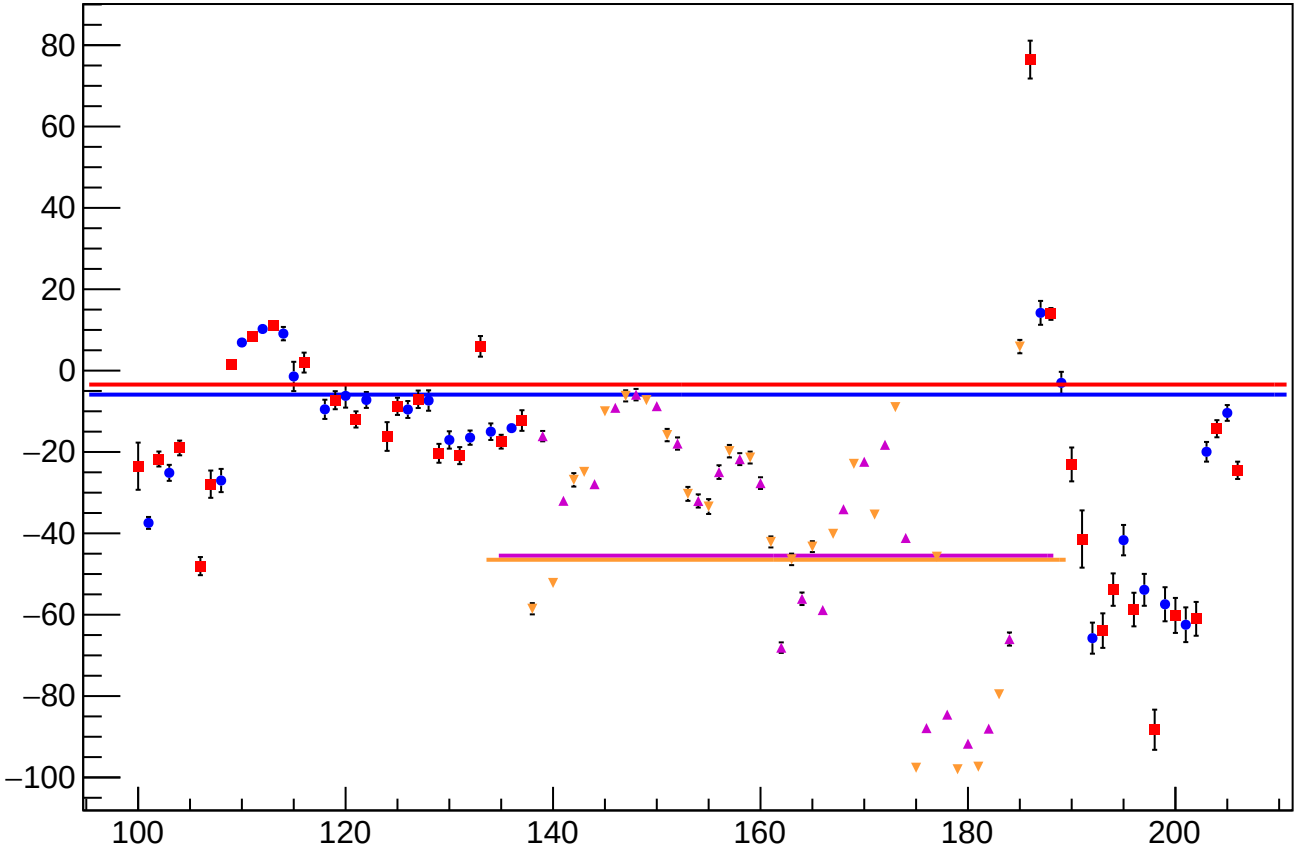
Left In: 0.984+/-0.013 χ^2/NDF:900.0/22

+ sign 0.951+/-0.012 χ^2/NDF: 1412.6/49

All: 0.934+/-0.008 χ^2/NDF: 3574.1/103

- sign 0.917+/-0.012 χ^2/NDF: 2157.5/53

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -5.899+/-0.352 χ^2/NDF: 2470.1/24

Left Out: -46.493+/-0.230 χ^2/NDF:20046.7/24

Right Out: -3.426+/-0.315 χ^2/NDF: 3374.4/30

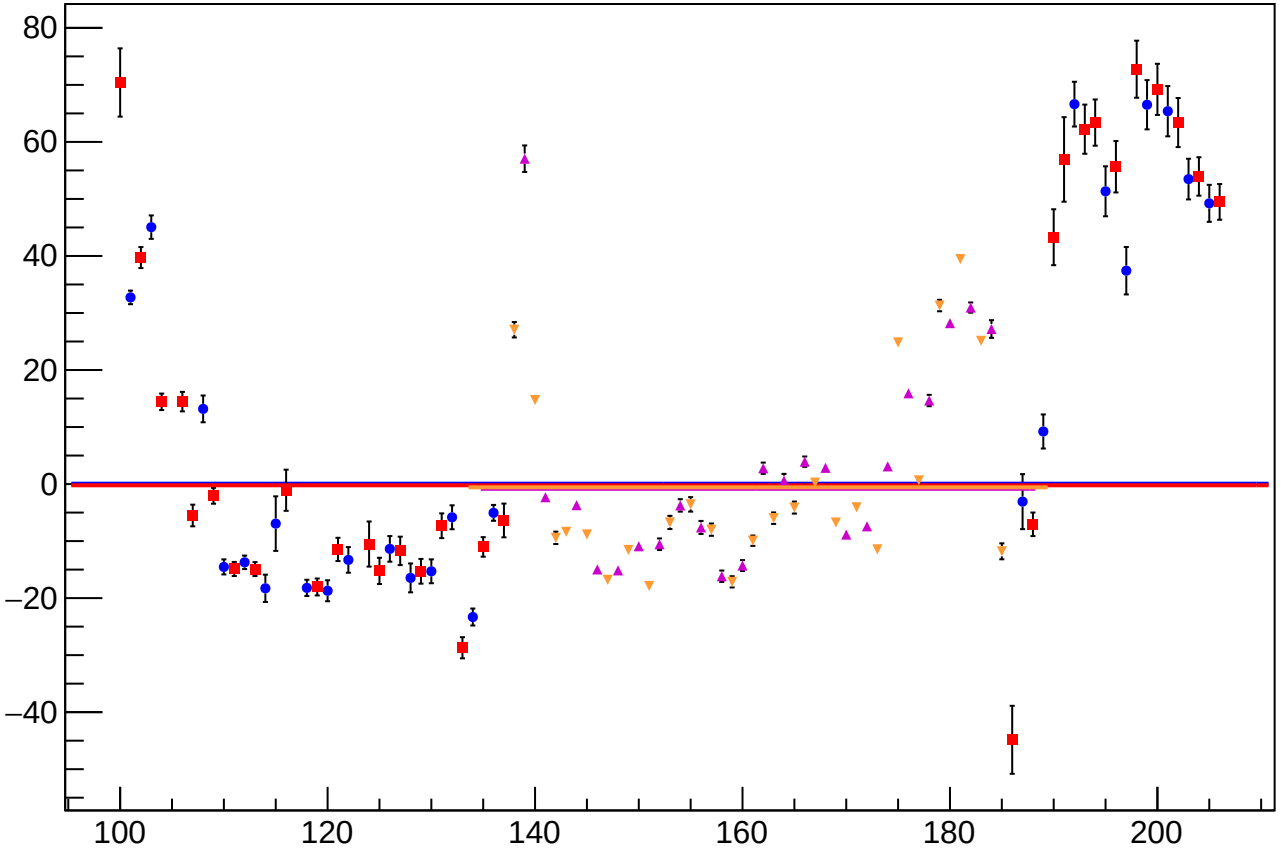
Left In: -45.487+/-0.238 χ^2/NDF:15571.1/22

\+ sign -34.363+/-0.193 χ^2/NDF: 31818.4/49

All: -32.248+/-0.135 χ^2/NDF: 62382.6/103

\- sign -30.199+/-0.190 χ^2/NDF: 30327.0/53

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 0.064+/-0.408 χ^2/NDF: 3696.9/24

Left Out: -0.572+/-0.177 χ^2/NDF:8451.5/24

Right Out: -0.215+/-0.394 χ^2/NDF: 3661.0/30

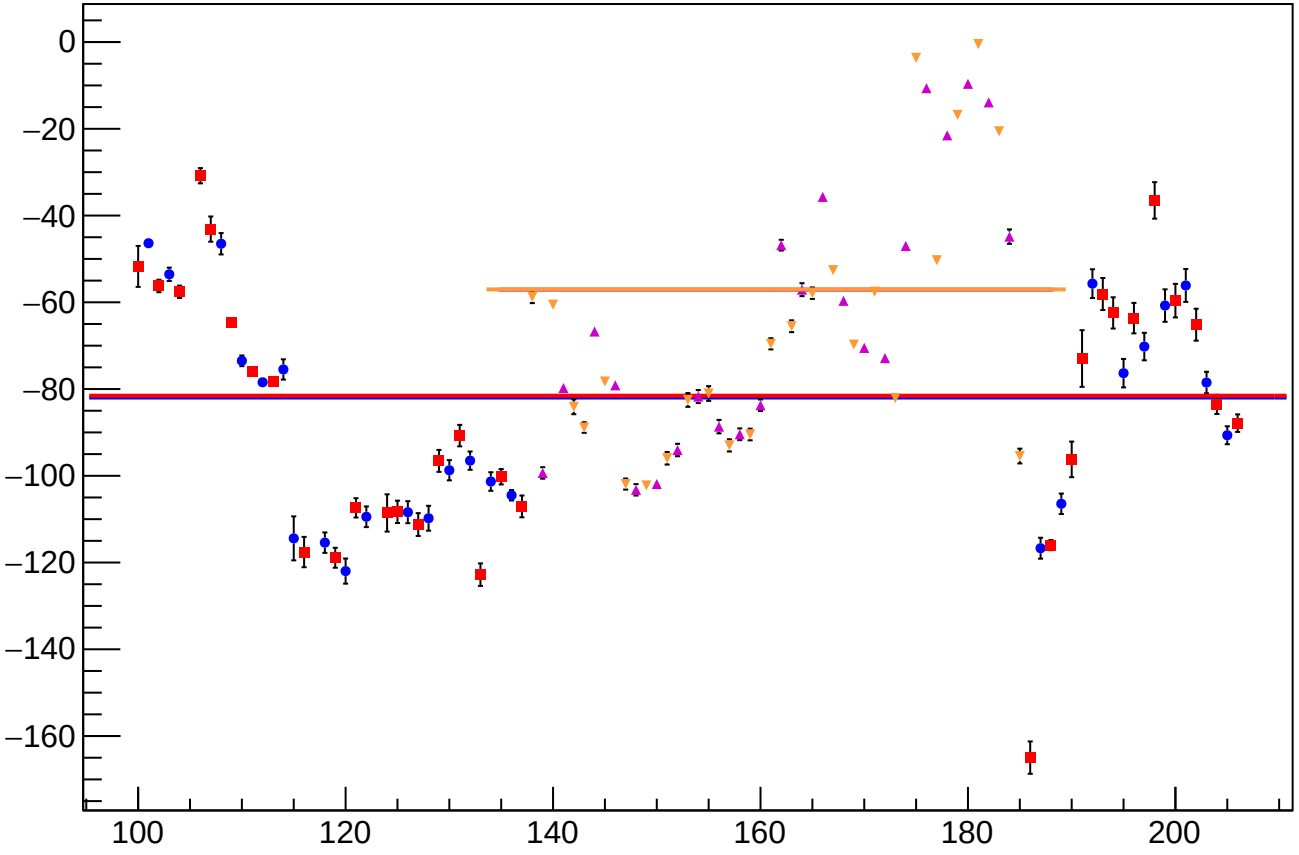
Left In: -0.828+/-0.183 χ^2/NDF:6116.6/22

+ sign -0.471+/-0.163 χ^2/NDF: 12150.4/49

All: -0.593+/-0.116 χ^2/NDF: 21931.1/103

- sign -0.719+/-0.166 χ^2/NDF: 9779.6/53

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -81.951+/-0.396 χ^2/NDF: 3366.9/24

Left Out: -57.029+/-0.230 χ^2/NDF:20309.3/24

Right Out: -81.532+/-0.365 χ^2/NDF: 4880.5/30

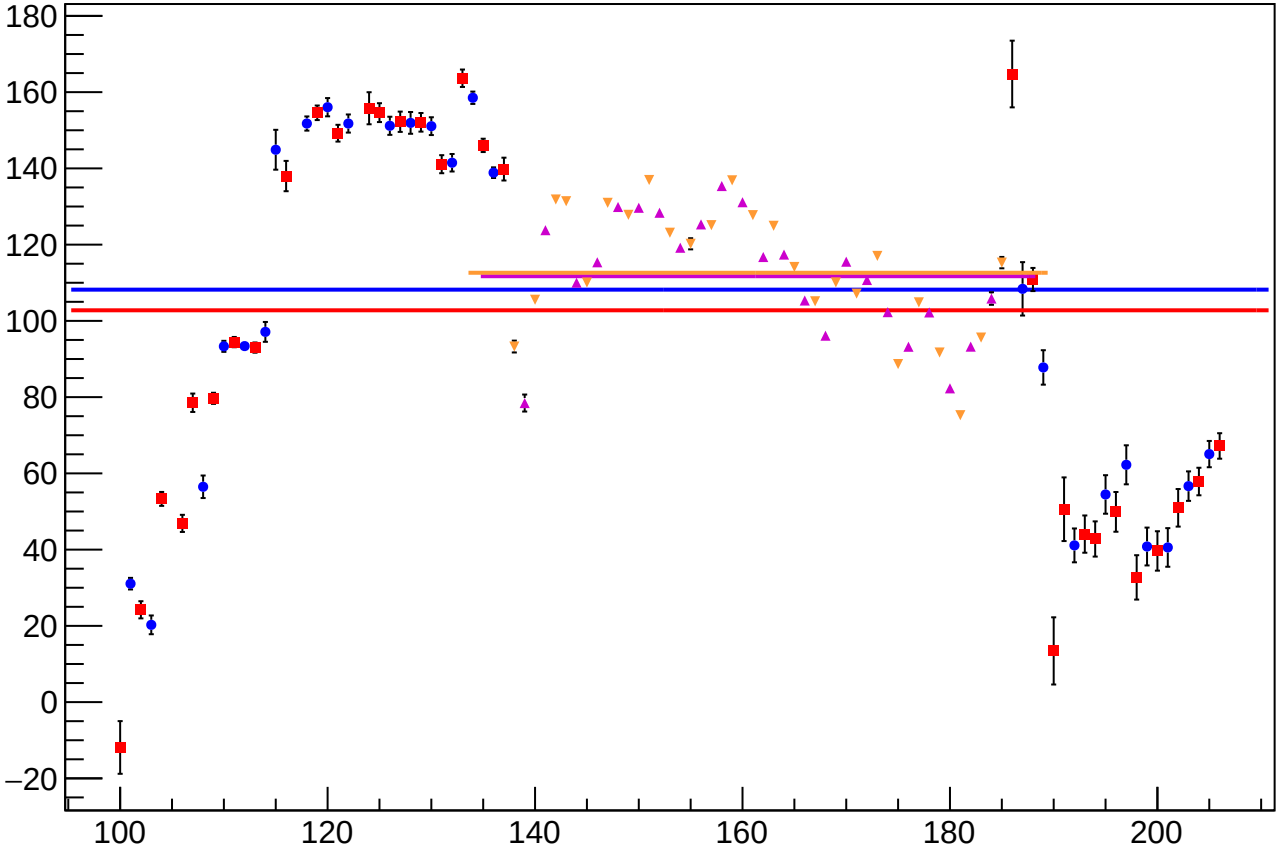
Left In: -57.091+/-0.237 χ^2/NDF:17167.8/22

\+ sign -63.309+/-0.199 χ^2/NDF: 26638.1/49

All: -63.820+/-0.140 χ^2/NDF: 51860.2/103

\- sign -64.330+/-0.198 χ^2/NDF: 25209.0/53

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 108.194+/-0.466 χ^2/NDF: 9445.2/24

Left Out: 112.625+/-0.200 χ^2/NDF:6708.0/24

Right Out: 102.777+/-0.452 χ^2/NDF: 8929.2/30

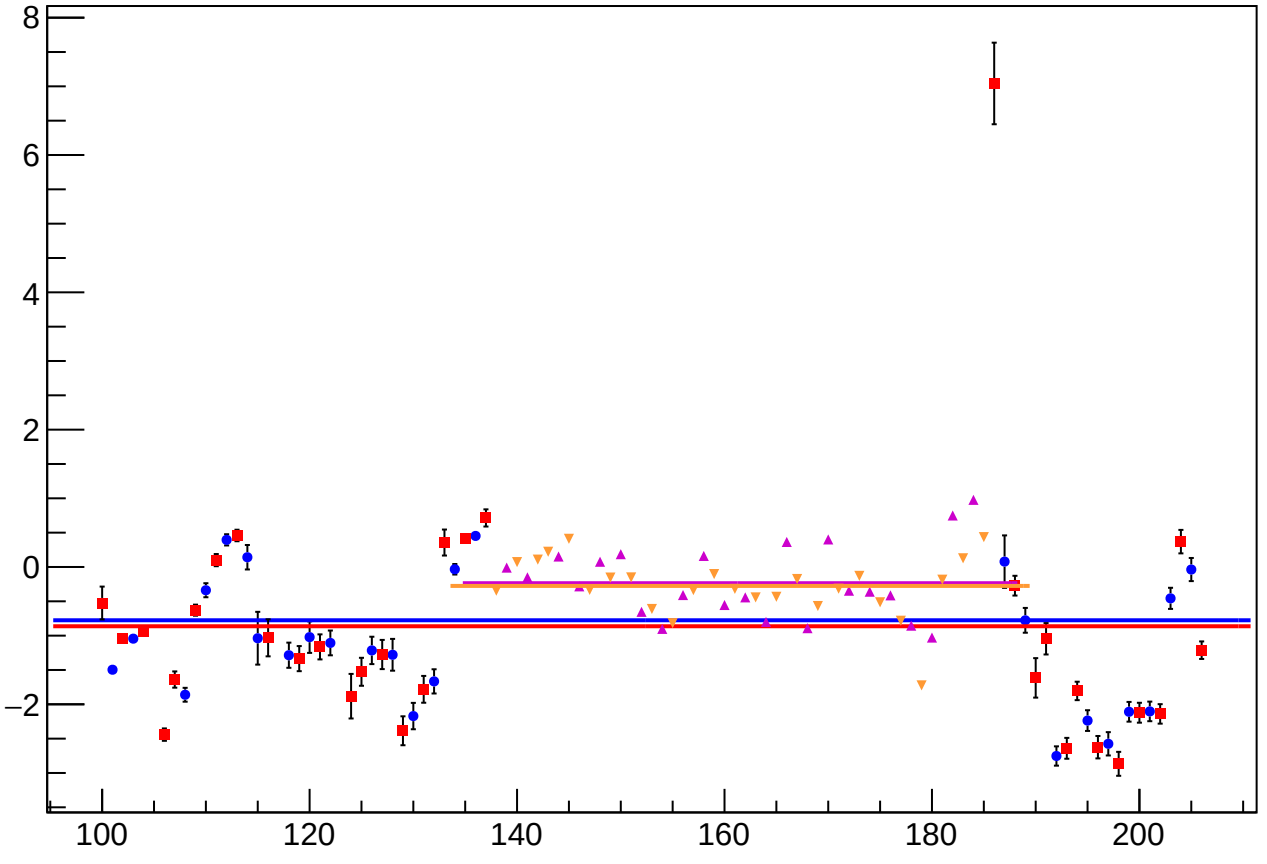
Left In: 111.720+/-0.206 χ^2/NDF:4896.8/22

+ sign 111.935+/-0.184 χ^2/NDF: 16229.6/49

All: 111.075+/-0.131 χ^2/NDF: 30424.8/103

- sign 110.180+/-0.187 χ^2/NDF: 14150.4/53

reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.776+/-0.023 χ^2/NDF: 1766.9/24

Left Out: -0.276+/-0.009 χ^2/NDF:2122.4/24

Right Out: -0.863+/-0.022 χ^2/NDF: 2234.6/30

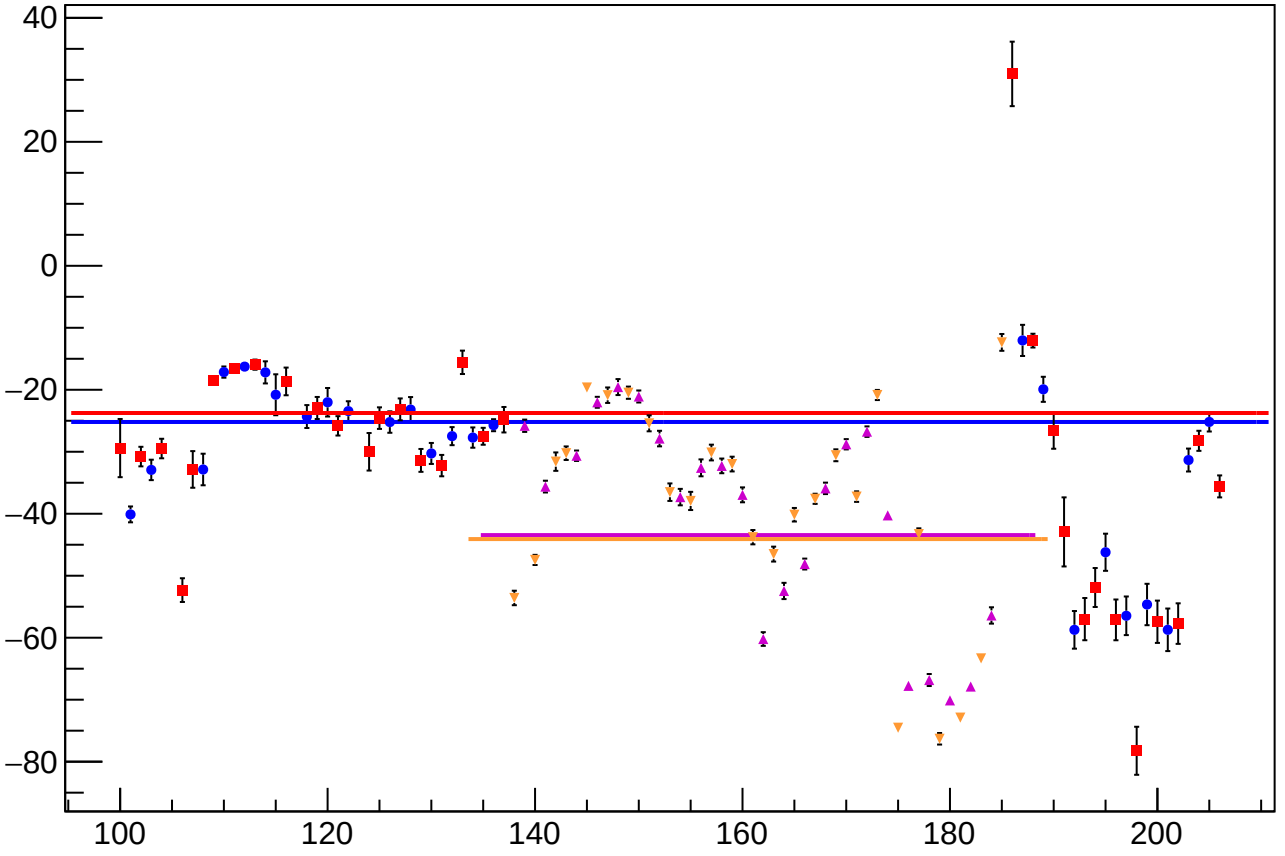
Left In: -0.236+/-0.009 χ^2/NDF:2961.3/22

+ sign -0.341+/-0.008 χ^2/NDF: 4291.2/49

All: -0.334+/-0.006 χ^2/NDF: 10165.9/103

- sign -0.328+/-0.008 χ^2/NDF: 5873.5/53

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -25.197+/-0.319 χ^2/NDF: 917.6/24

Left Out: -44.087+/-0.193 χ^2/NDF:10340.4/24

Right Out: -23.747+/-0.290 χ^2/NDF: 1538.0/30

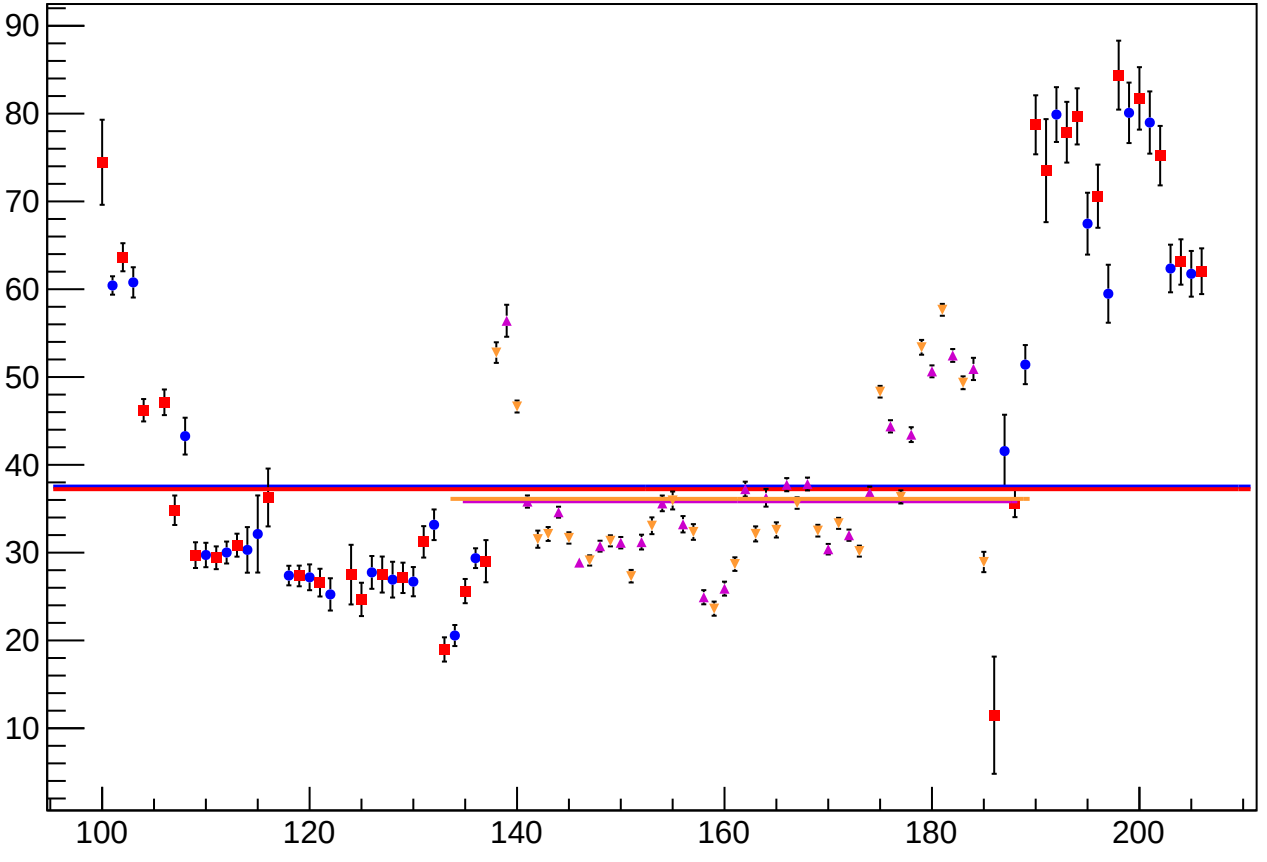
Left In: -43.444+/-0.199 χ^2/NDF:7820.5/22

+ sign -39.014+/-0.165 χ^2/NDF: 13830.1/49

All: -38.078+/-0.116 χ^2/NDF: 26389.3/103

- sign -37.155+/-0.164 χ^2/NDF: 12495.4/53

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 37.523+/-0.352 χ^2/NDF: 2078.1/24

Left Out: 36.123+/-0.150 χ^2/NDF:3558.5/24

Right Out: 37.227+/-0.343 χ^2/NDF: 2234.3/30

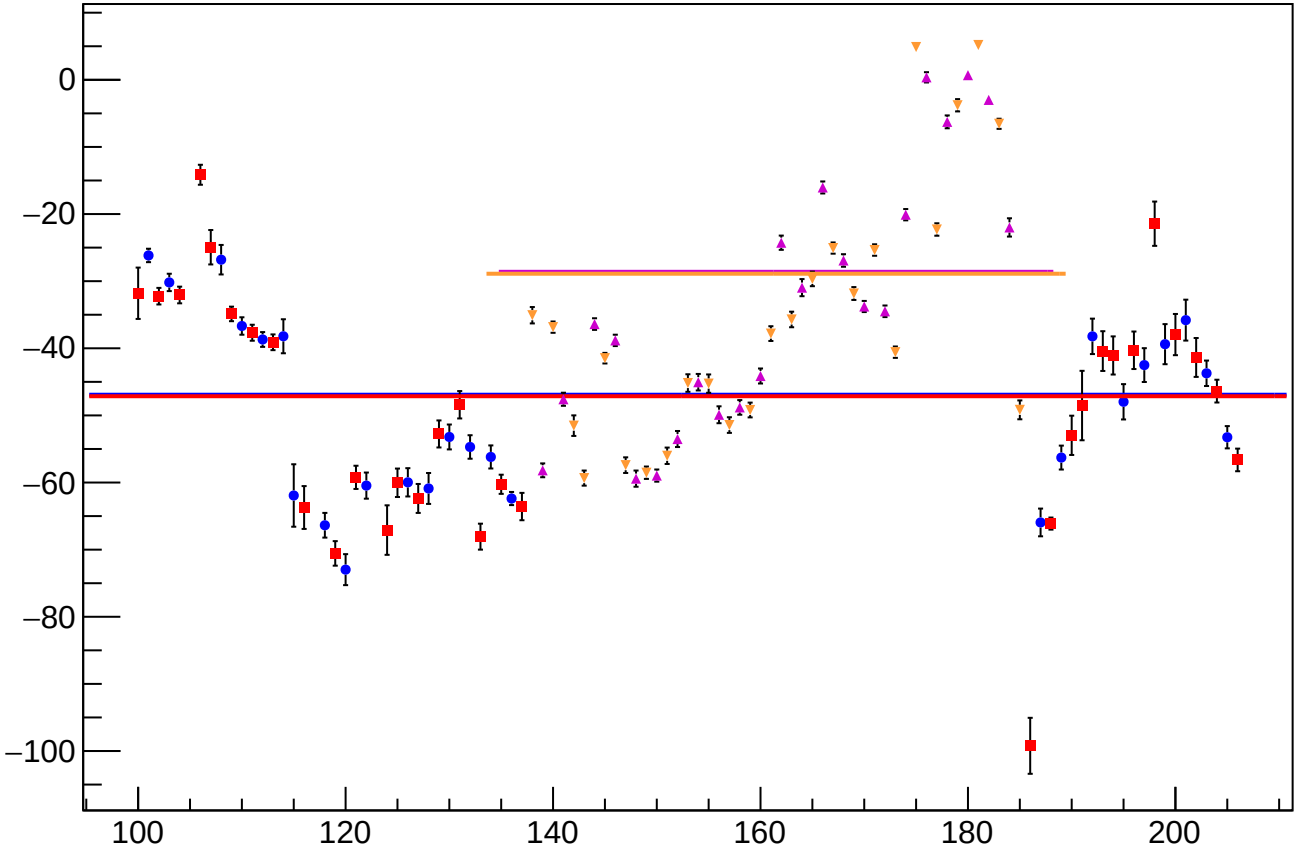
Left In: 35.852+/-0.155 χ^2/NDF:2293.5/22

+ sign 36.339+/-0.138 χ^2/NDF: 5650.0/49

All: 36.215+/-0.099 χ^2/NDF: 10192.8/103

- sign 36.086+/-0.141 χ^2/NDF: 4541.2/53

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -46.918+/-0.344 χ^2/NDF: 1657.1/24

Left Out: -28.891+/-0.193 χ^2/NDF:11798.4/24

Right Out: -47.142+/-0.319 χ^2/NDF: 2470.9/30

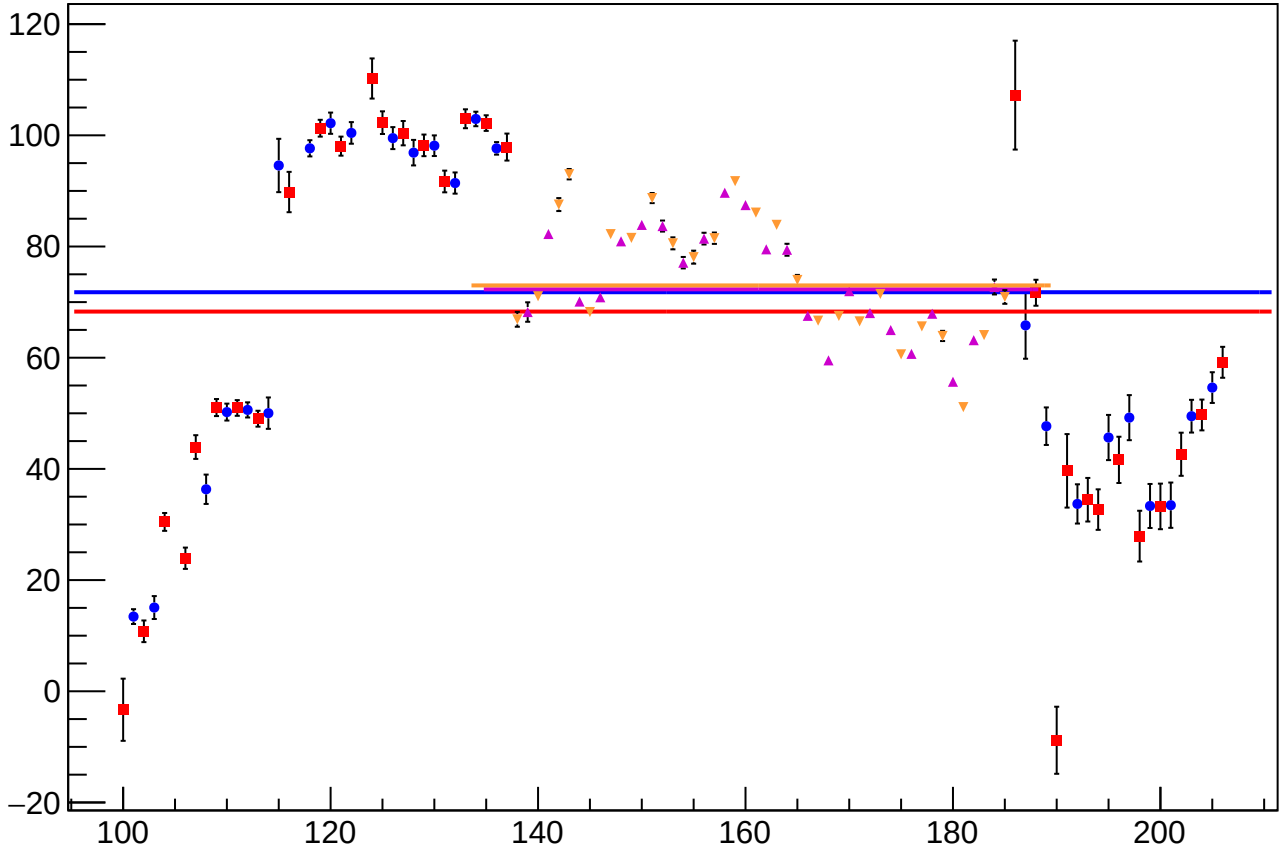
Left In: -28.605+/-0.198 χ^2/NDF:10014.7/22

+ sign -33.193+/-0.168 χ^2/NDF: 15542.9/49

All: -33.471+/-0.119 χ^2/NDF: 30471.5/103

- sign -33.748+/-0.168 χ^2/NDF: 14923.1/53

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 71.778+/-0.403 χ^2/NDF: 6405.9/24

Left Out: 73.002+/-0.168 χ^2/NDF:4052.4/24

Right Out: 68.297+/-0.395 χ^2/NDF: 6345.8/30

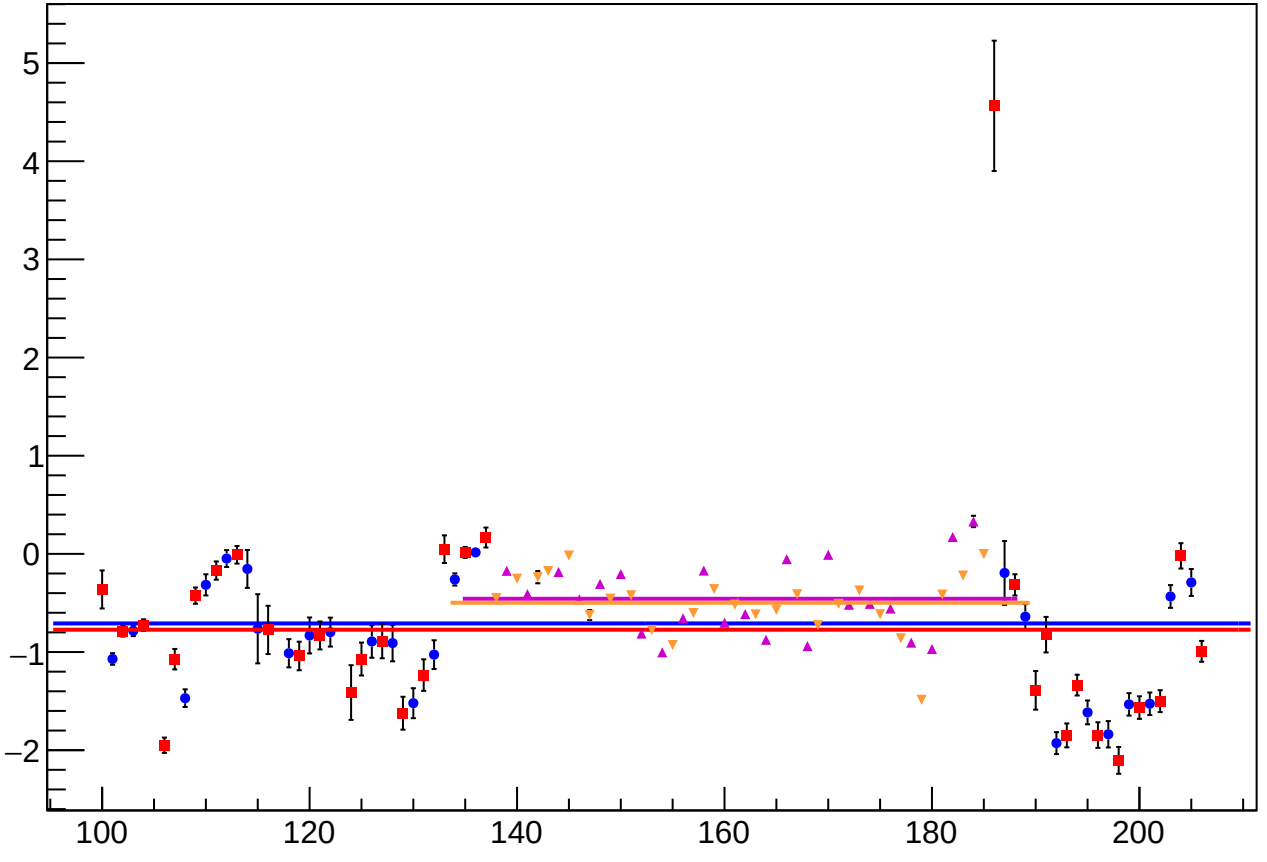
Left In: 72.302+/-0.173 χ^2/NDF:2912.6/22

+ sign 72.820+/-0.155 χ^2/NDF: 10466.1/49

All: 72.251+/-0.111 χ^2/NDF: 19838.0/103

- sign 71.656+/-0.159 χ^2/NDF: 9344.4/53

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.709+/-0.020 χ^2/NDF: 902.0/24

Left Out: -0.498+/-0.008 χ^2/NDF:1482.9/24

Right Out: -0.773+/-0.019 χ^2/NDF: 1228.6/30

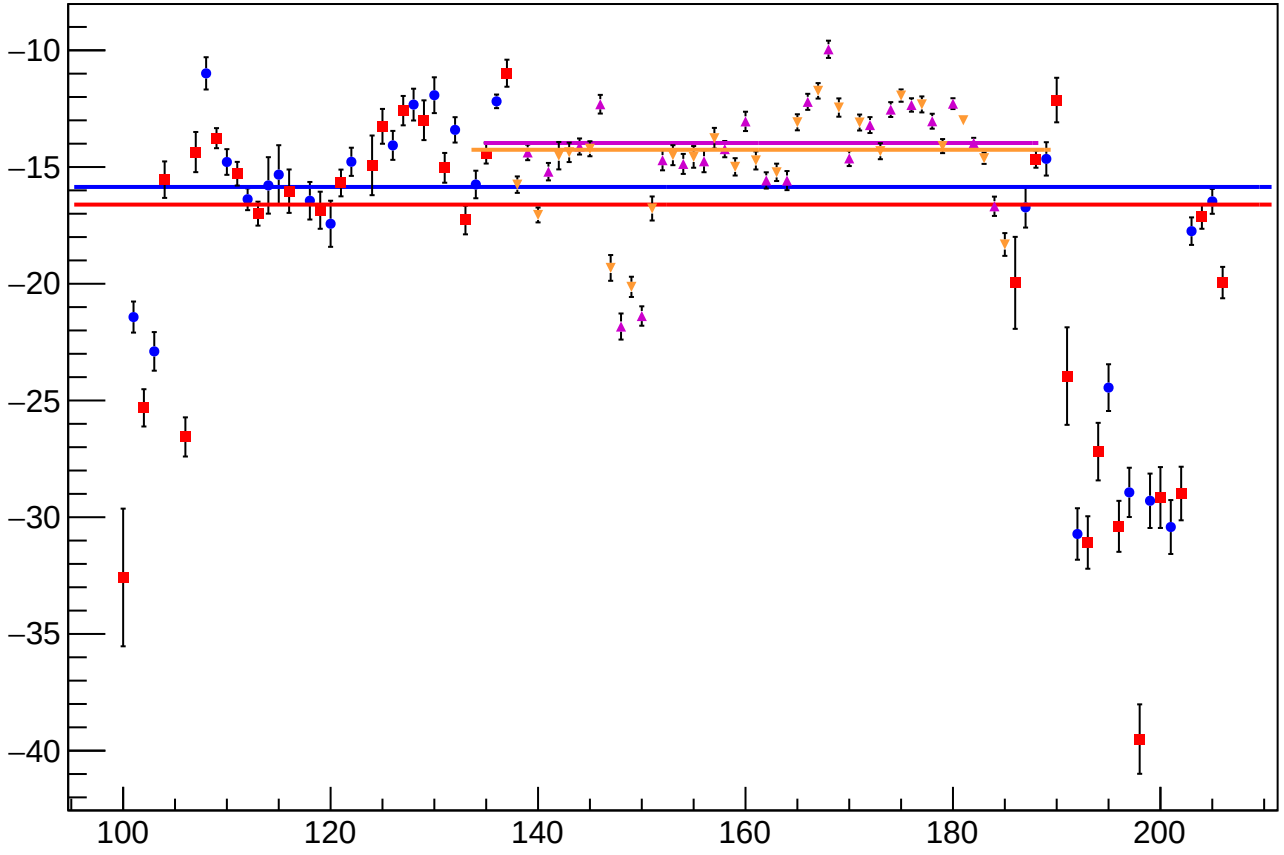
Left In: -0.458+/-0.008 χ^2/NDF:2103.1/22

+ sign -0.525+/-0.007 χ^2/NDF: 2484.7/49

All: -0.513+/-0.005 χ^2/NDF: 6057.0/103

- sign -0.501+/-0.007 χ^2/NDF: 3566.8/53

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -15.853+/-0.131 χ^2/NDF: 1160.1/24

Left Out: -14.261+/-0.070 χ^2/NDF:724.0/24

Right Out: -16.609+/-0.126 χ^2/NDF: 1494.7/30

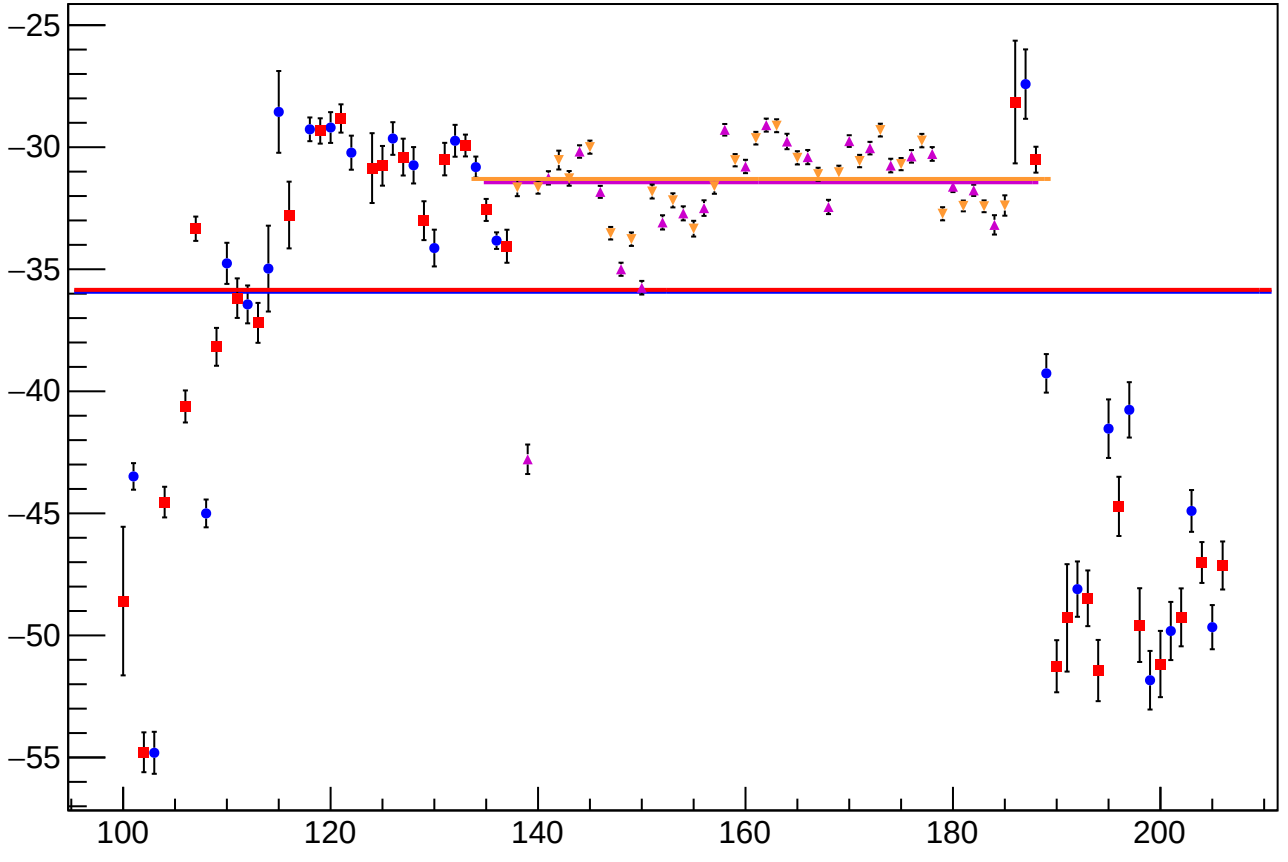
Left In: -13.970+/-0.072 χ^2/NDF:907.7/22

+ sign -14.614+/-0.061 χ^2/NDF: 2000.0/49

All: -14.617+/-0.044 χ^2/NDF: 4734.5/103

- sign -14.621+/-0.062 χ^2/NDF: 2734.6/53

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -35.922+/-0.140 χ^2/NDF: 2591.1/24

Left Out: -31.301+/-0.055 χ^2/NDF:553.1/24

Right Out: -35.844+/-0.137 χ^2/NDF: 2897.1/30

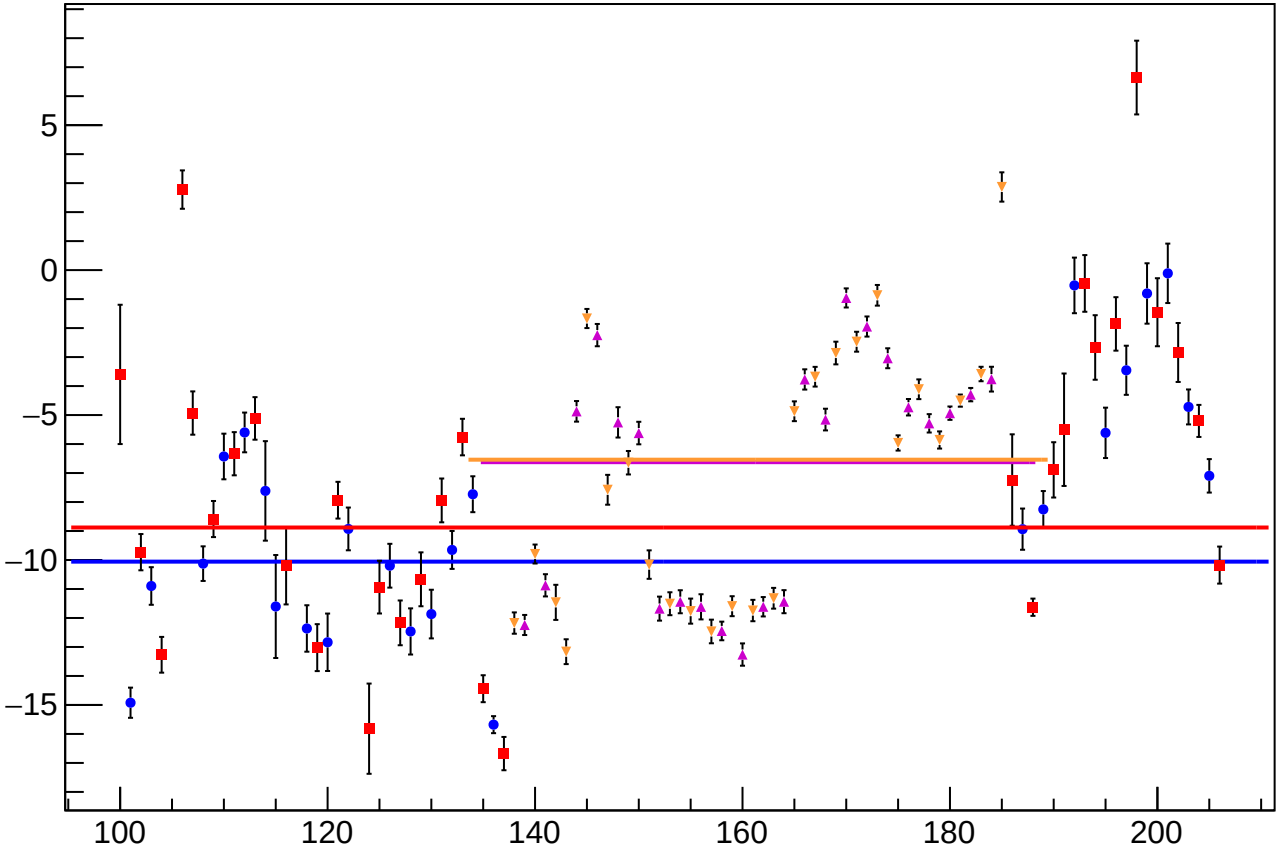
Left In: -31.436+/-0.057 χ^2/NDF:1214.8/22

+ sign -31.922+/-0.051 χ^2/NDF: 4085.1/49

All: -32.004+/-0.037 χ^2/NDF: 9081.2/103

- sign -32.091+/-0.053 χ^2/NDF: 4990.9/53

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -10.056+/-0.135 χ^2/NDF: 1043.0/24

Left Out: -6.540+/-0.070 χ^2/NDF:3242.5/24

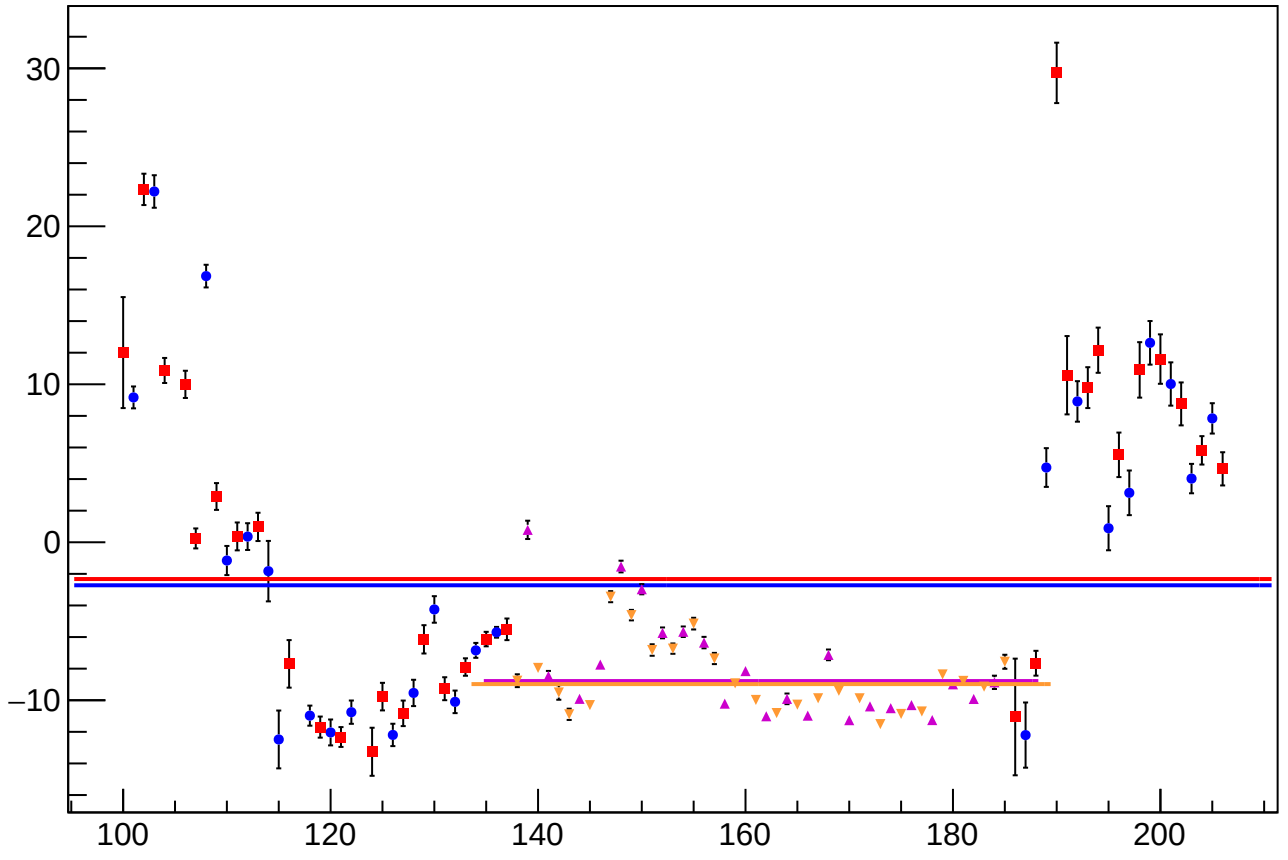
Right Out: -8.879+/-0.128 χ^2/NDF: 1393.2/30

Left In: -6.625+/-0.071 χ^2/NDF:2908.0/22

+ sign -7.277+/-0.062 χ^2/NDF: 4822.1/49

All: -7.219+/-0.044 χ^2/NDF: 9360.8/103

- sign -7.159+/-0.062 χ^2/NDF: 4536.9/53



Right In: -2.723+/-0.159 χ^2/NDF: 3143.3/24

Left Out: -8.977+/-0.061 χ^2/NDF:972.0/24

Right Out: -2.327+/-0.159 χ^2/NDF: 3104.3/30

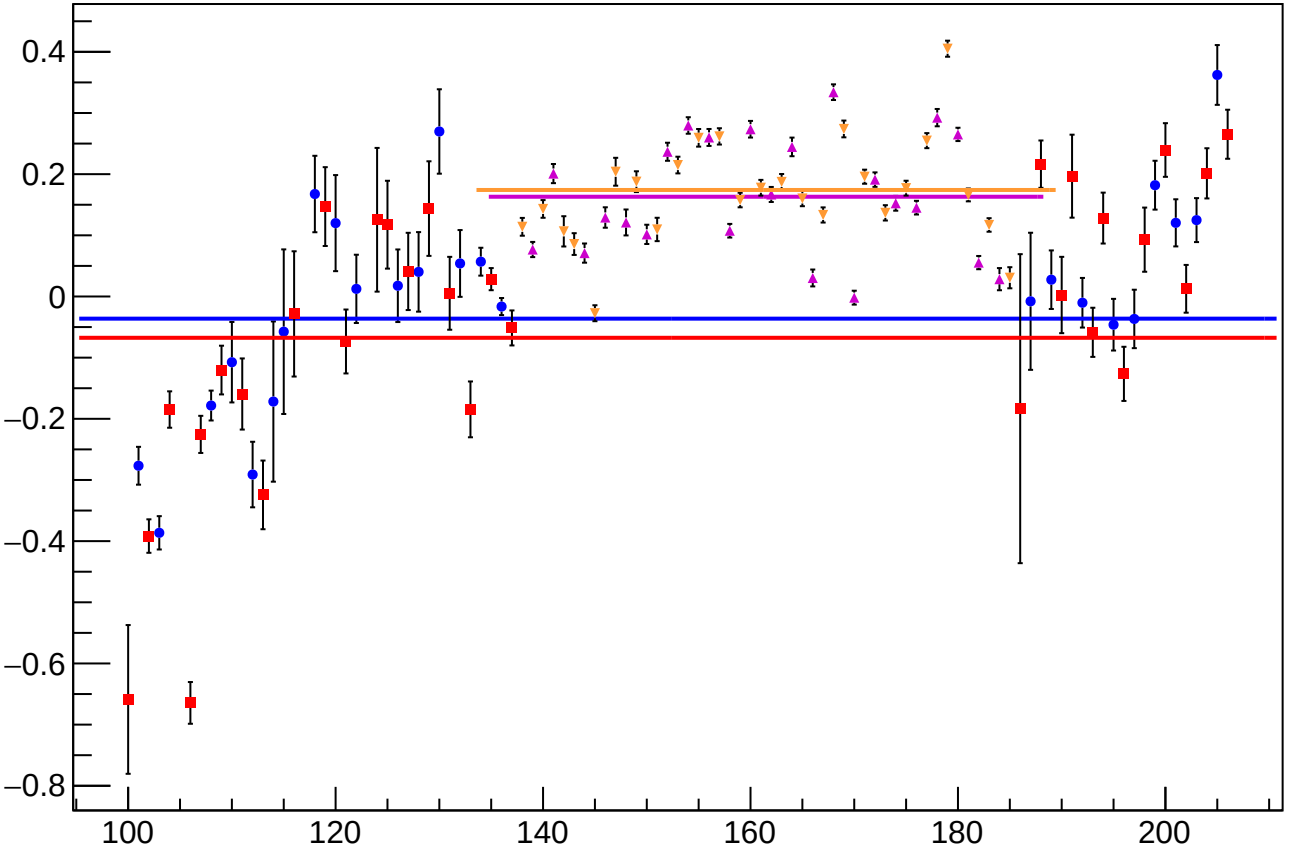
Left In: -8.785+/-0.063 χ^2/NDF:1685.0/22

+ sign -8.163+/-0.057 χ^2/NDF: 5464.1/49

All: -8.036+/-0.041 χ^2/NDF: 11682.1/103

- sign -7.902+/-0.059 χ^2/NDF: 6207.9/53

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: -0.036+/-0.007 χ^2/NDF: 478.2/24

Left Out: 0.174+/-0.003 χ^2/NDF:922.9/24

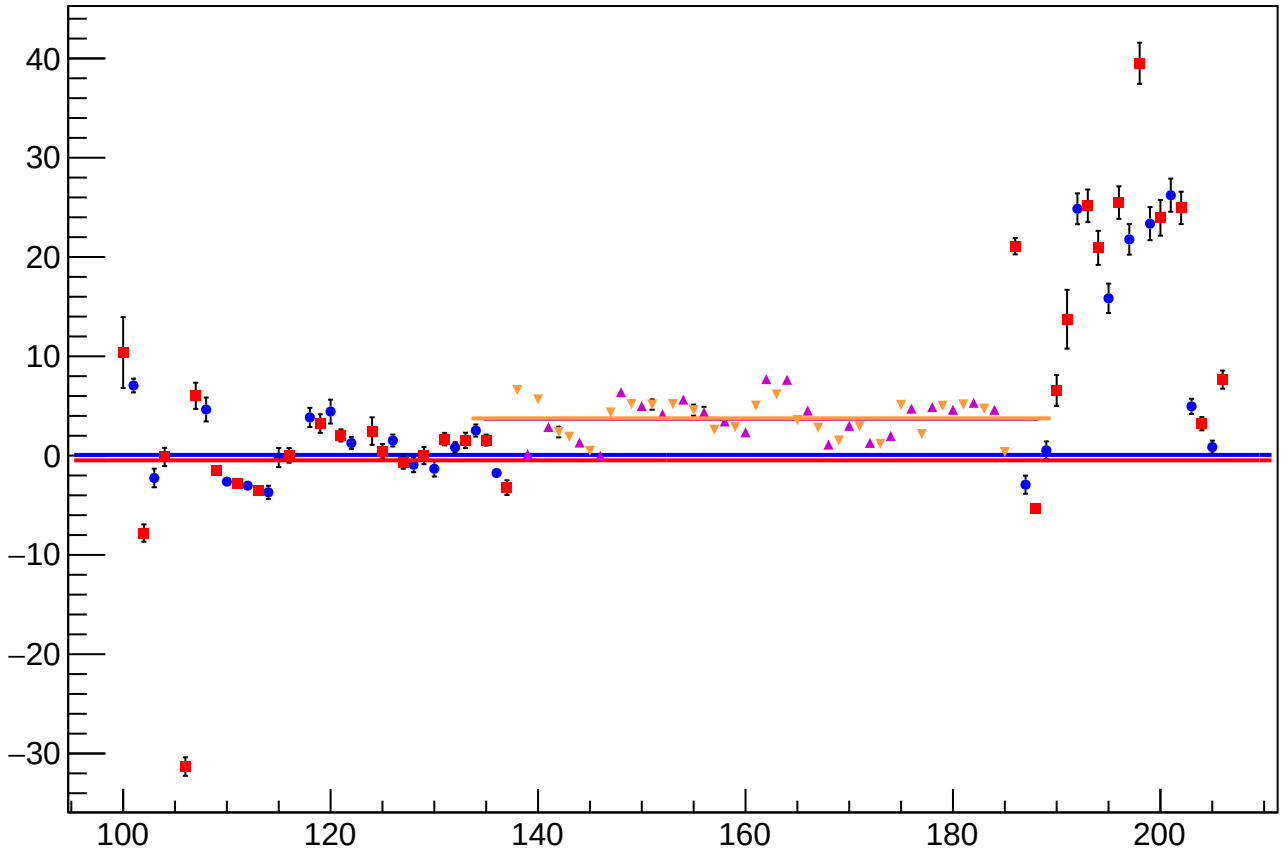
Right Out: -0.068+/-0.008 χ^2/NDF: 874.2/30

Left In: 0.163+/-0.003 χ^2/NDF:1195.1/22

+ sign 0.149+/-0.003 χ^2/NDF: 2112.1/49

All: 0.142+/-0.002 χ^2/NDF: 5026.9/103

- sign 0.135+/-0.003 χ^2/NDF: 2900.7/53



Right In: 0.072+/-0.127 χ^2/NDF: 1490.4/24

Left Out: 3.750+/-0.062 χ^2/NDF:809.8/24

Right Out: -0.472+/-0.118 χ^2/NDF: 3841.0/30

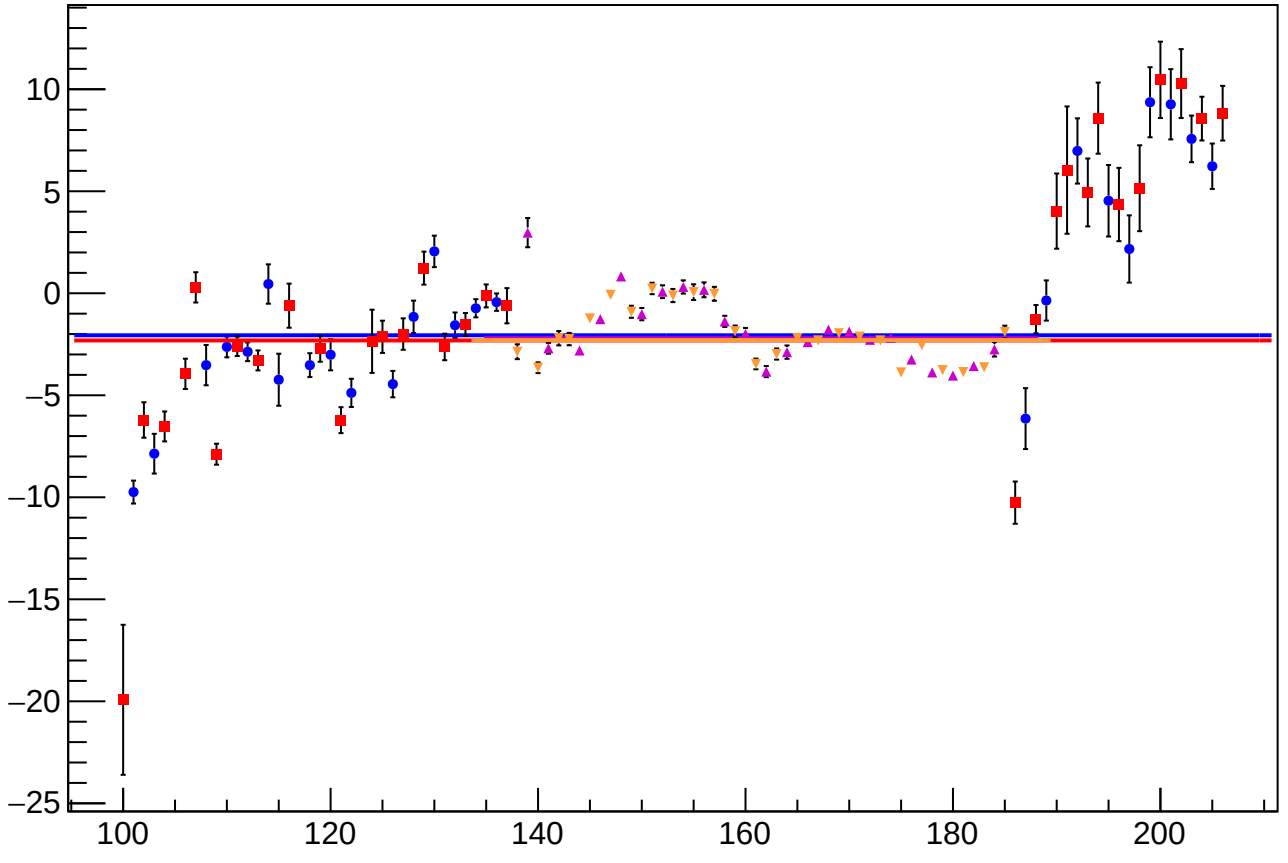
Left In: 3.688+/-0.064 χ^2/NDF:953.3/22

+ sign 3.041+/-0.056 χ^2/NDF: 2978.7/49

All: 2.892+/-0.040 χ^2/NDF: 8753.5/103

- sign 2.740+/-0.056 χ^2/NDF: 5760.2/53

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -2.060+/-0.148 χ^2/NDF: 607.5/24

Left Out: -2.294+/-0.050 χ^2/NDF:631.5/24

Right Out: -2.313+/-0.146 χ^2/NDF: 735.3/30

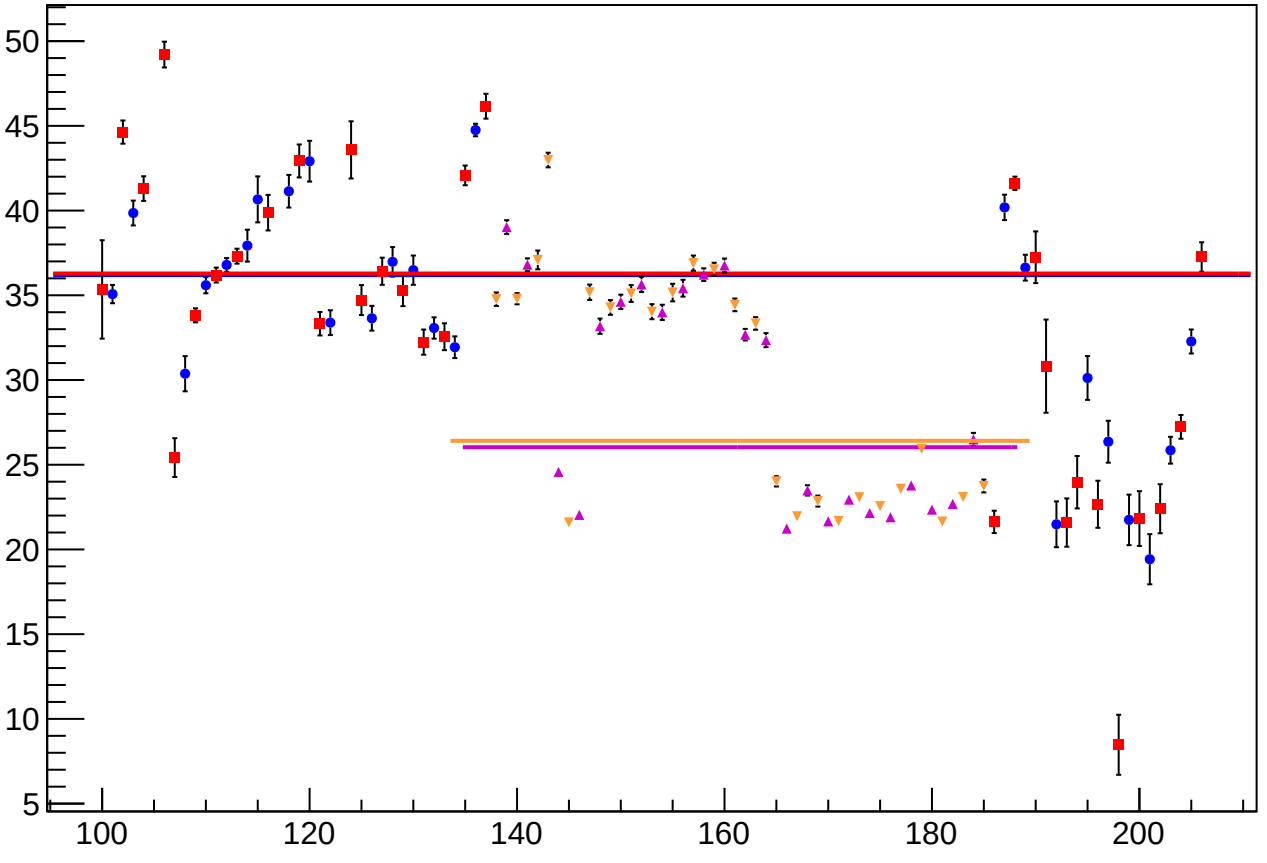
Left In: -2.204+/-0.051 χ^2/NDF:724.7/22

+ sign -2.271+/-0.047 χ^2/NDF: 1241.2/49

All: -2.244+/-0.034 χ^2/NDF: 2702.4/103

- sign -2.216+/-0.048 χ^2/NDF: 1460.5/53

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 36.191+/-0.144 χ^2/NDF: 1423.8/24

Left Out: 26.411+/-0.062 χ^2/NDF:9222.2/24

Right Out: 36.285+/-0.135 χ^2/NDF: 2578.8/30

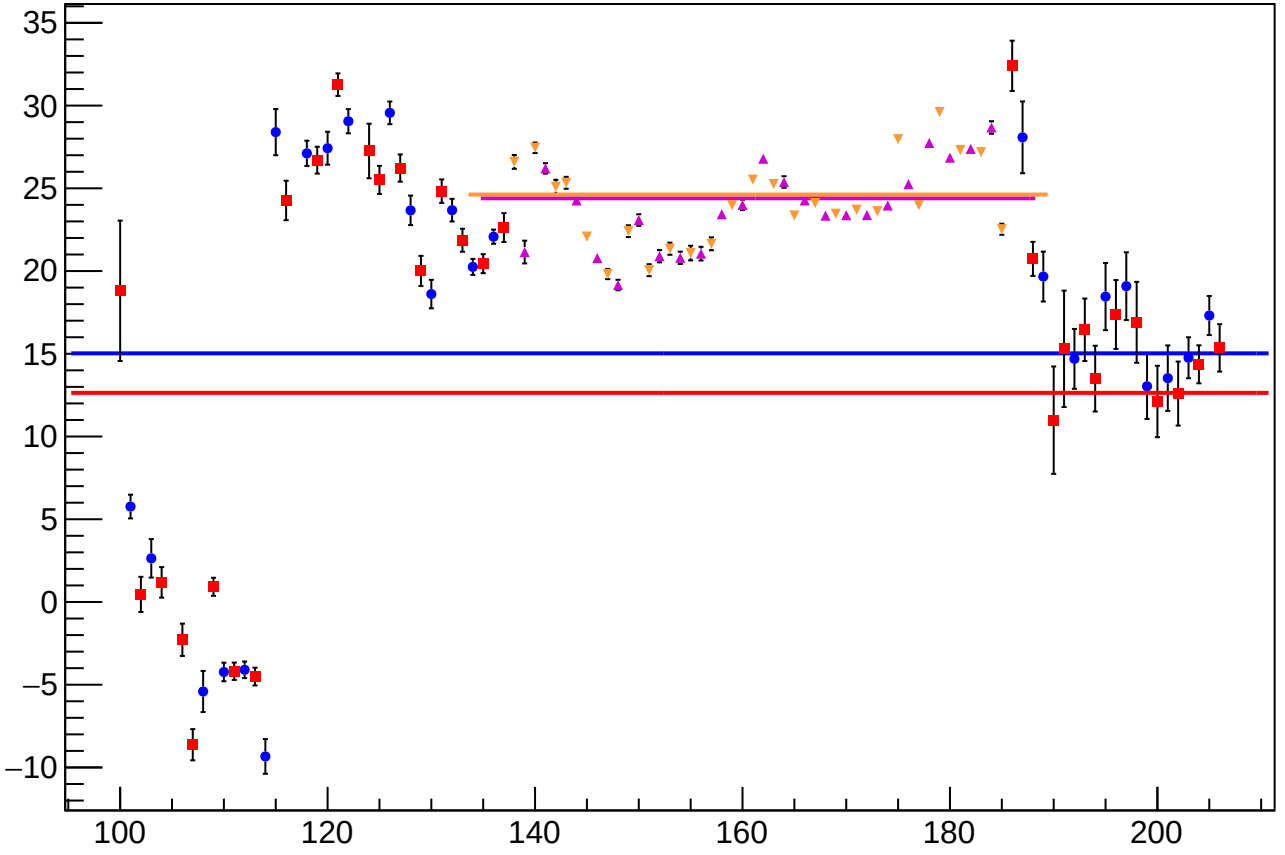
Left In: 26.036+/-0.064 χ^2/NDF:7842.9/22

+ sign 27.959+/-0.057 χ^2/NDF: 14550.7/49

All: 27.931+/-0.041 χ^2/NDF: 29660.2/103

- sign 27.902+/-0.058 χ^2/NDF: 15109.0/53

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 15.026+/-0.166 χ^2/NDF: 5745.8/24

Left Out: 24.624+/-0.055 χ^2/NDF:1950.7/24

Right Out: 12.639+/-0.166 χ^2/NDF: 6370.7/30

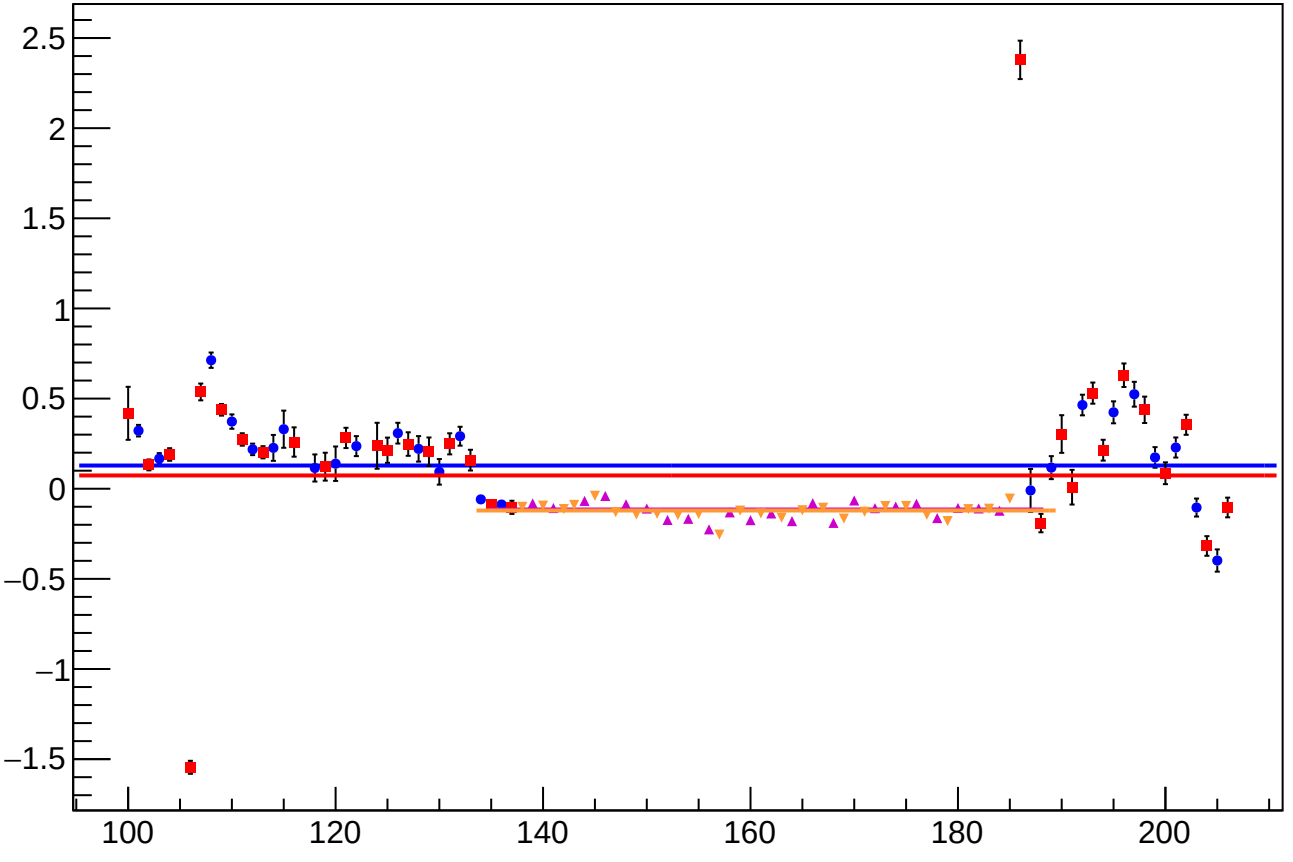
Left In: 24.397+/-0.056 χ^2/NDF:1715.6/22

+ sign 23.667+/-0.052 χ^2/NDF: 10715.0/49

All: 23.429+/-0.037 χ^2/NDF: 23330.5/103

- sign 23.181+/-0.053 χ^2/NDF: 12573.3/53

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.129+/-0.009 χ^2/NDF: 710.9/24

Left Out: -0.121+/-0.002 χ^2/NDF:262.9/24

Right Out: 0.074+/-0.009 χ^2/NDF: 3181.5/30

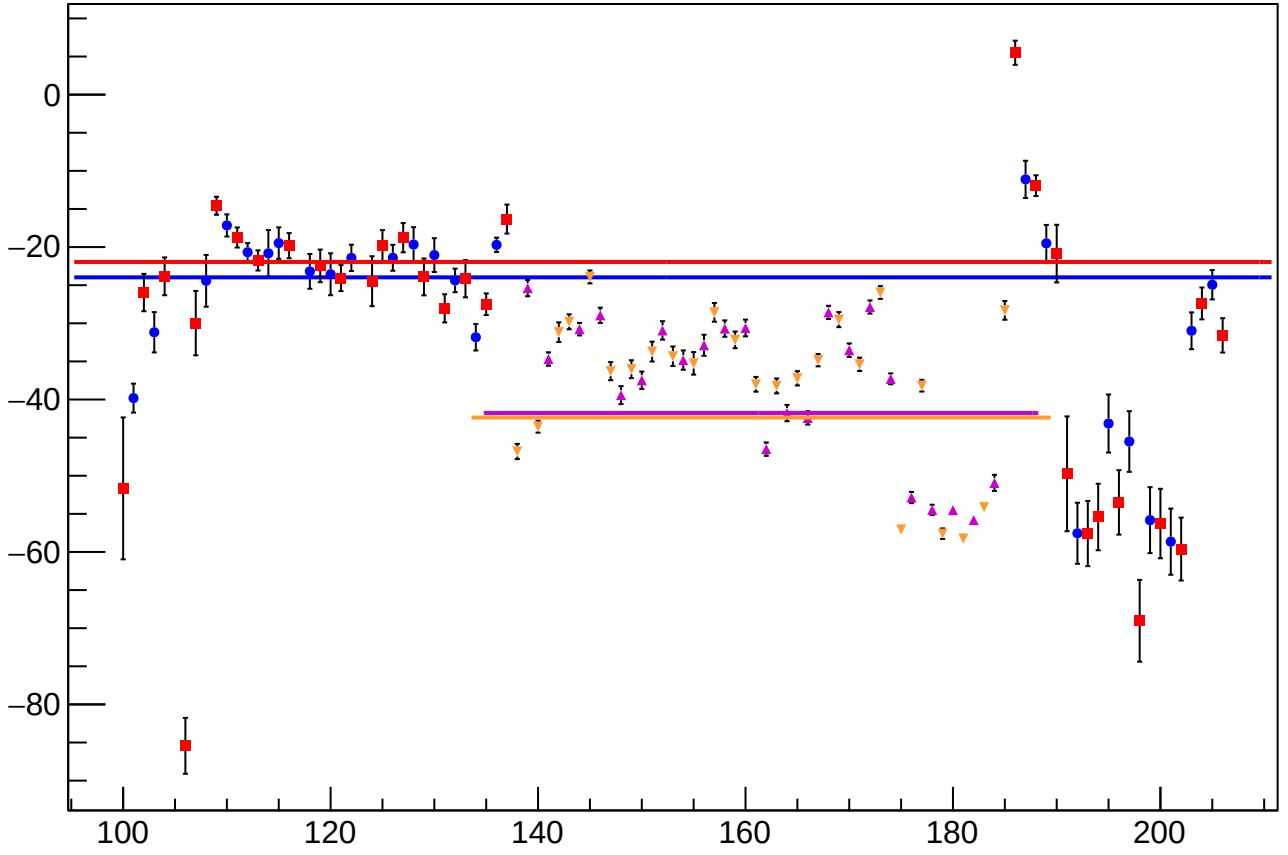
Left In: -0.115+/-0.003 χ^2/NDF:290.7/22

+ sign -0.102+/-0.002 χ^2/NDF: 1760.3/49

All: -0.101+/-0.002 χ^2/NDF: 5674.2/103

- sign -0.101+/-0.002 χ^2/NDF: 3913.8/53

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



Right In: -23.971+/-0.396 χ^2/NDF: 446.3/24

Left Out: -42.366+/-0.175 χ^2/NDF:4477.3/24

Right Out: -21.953+/-0.377 χ^2/NDF: 1199.9/30

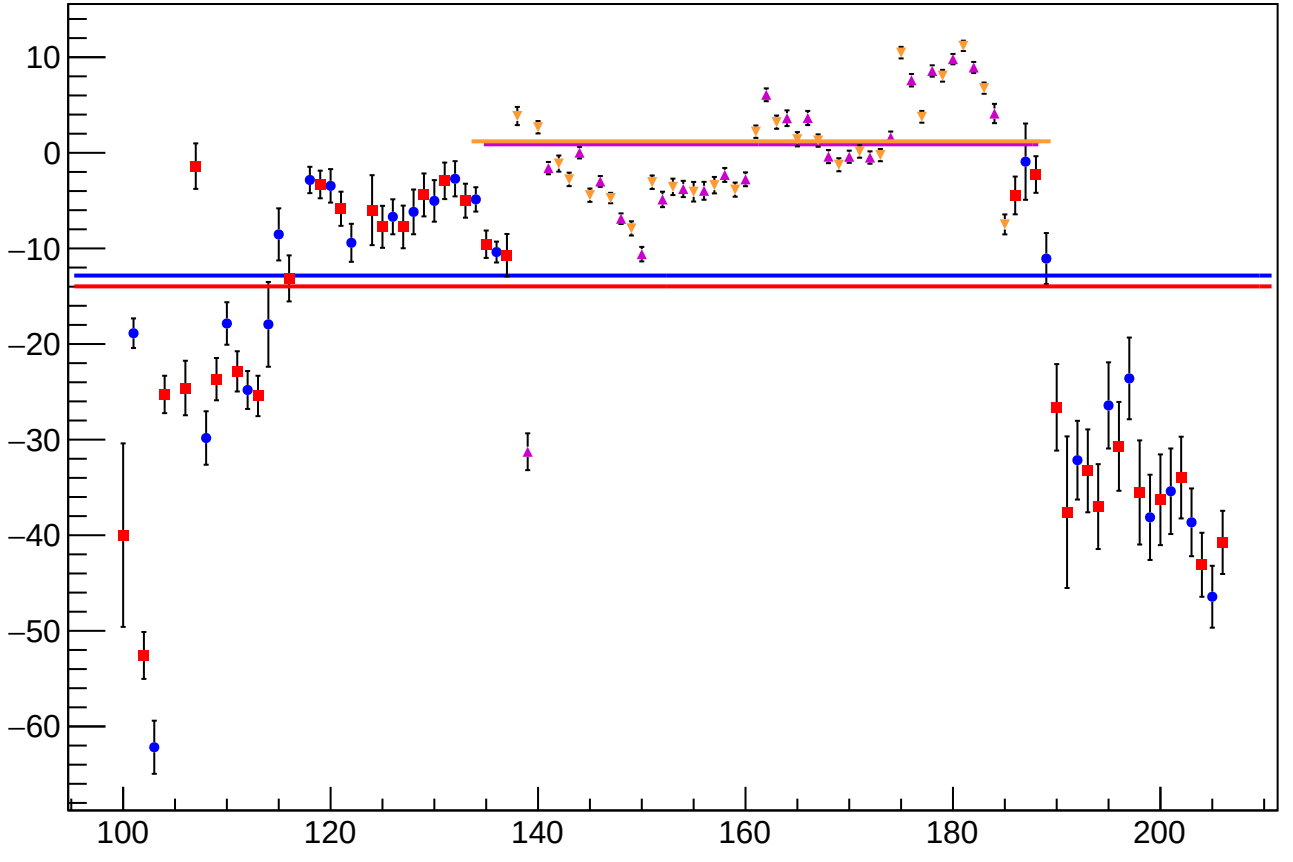
Left In: -41.764+/-0.182 χ^2/NDF:3459.2/22

+ sign -39.354+/-0.160 χ^2/NDF: 6728.2/49

All: -38.705+/-0.114 χ^2/NDF: 13662.3/103

- sign -38.028+/-0.164 χ^2/NDF: 6900.5/53

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -12.839+/-0.426 χ^2/NDF: 869.2/24

Left Out: 1.203+/-0.138 χ^2/NDF:1463.6/24

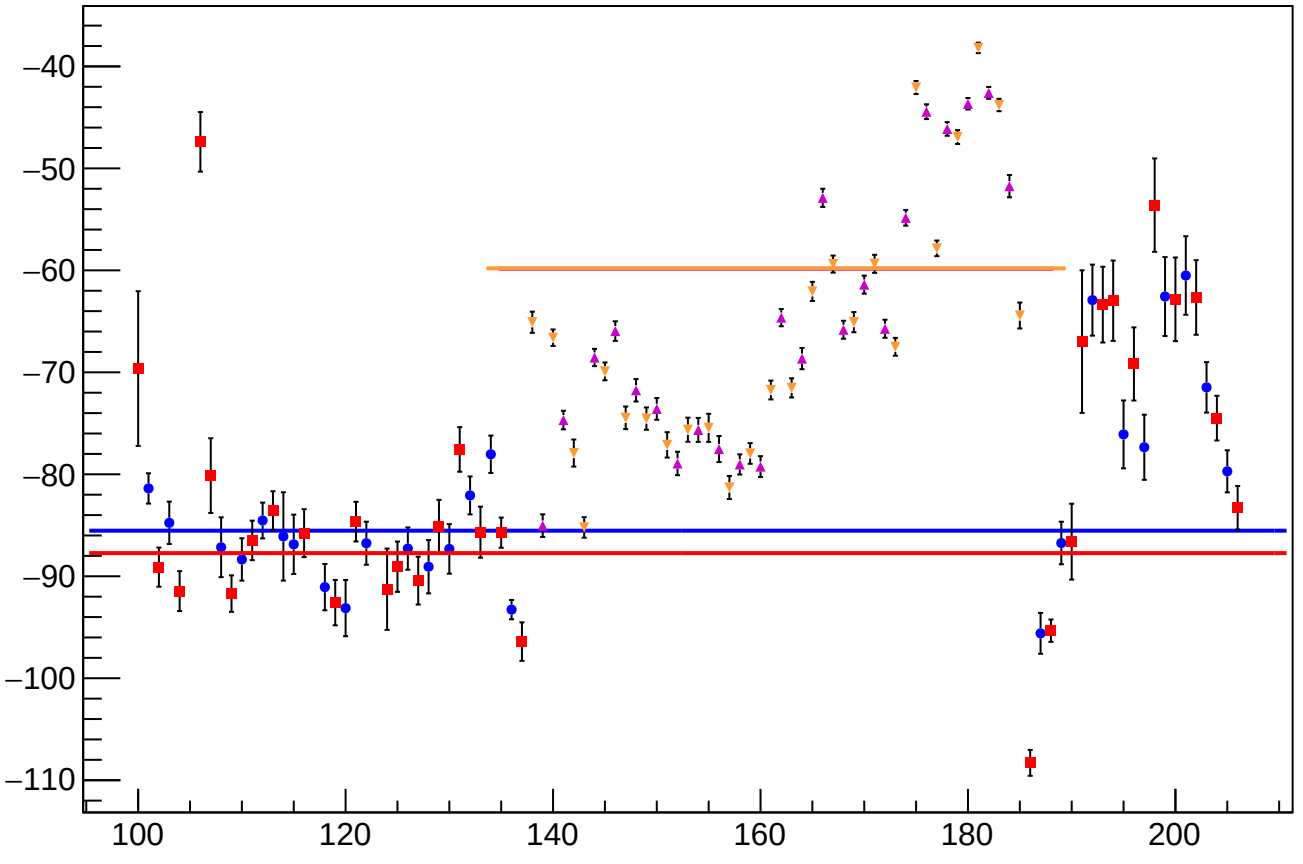
Right Out: -13.969+/-0.431 χ^2/NDF: 919.3/30

Left In: 0.889+/-0.143 χ^2/NDF:1763.7/22

+ sign -0.132+/-0.131 χ^2/NDF: 3315.4/49

All: -0.350+/-0.094 χ^2/NDF: 7074.0/103

- sign -0.582+/-0.136 χ^2/NDF: 3752.9/53



Right In: -85.530+/-0.422 χ^2/NDF: 314.6/24

Left Out: -59.809+/-0.175 χ^2/NDF:6645.1/24

Right Out: -87.728+/-0.399 χ^2/NDF: 879.9/30

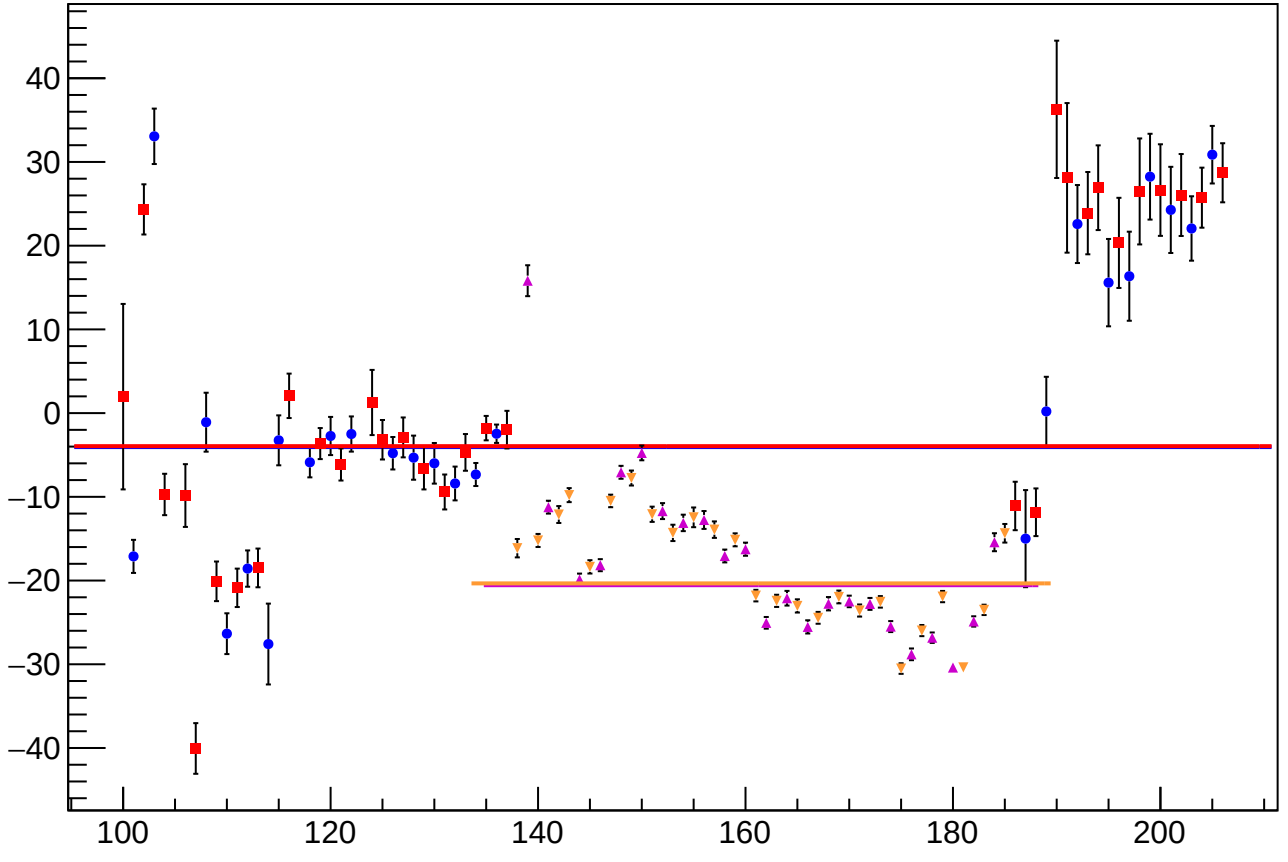
Left In: -59.846+/-0.181 χ^2/NDF:5534.1/22

+ sign -63.592+/-0.162 χ^2/NDF: 10125.9/49

All: -64.089+/-0.116 χ^2/NDF: 20605.3/103

- sign -64.604+/-0.165 χ^2/NDF: 10460.3/53

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -4.056+/-0.482 χ^2/NDF: 623.2/24

Left Out: -20.339+/-0.155 χ^2/NDF:1701.1/24

Right Out: -3.947+/-0.497 χ^2/NDF: 786.1/30

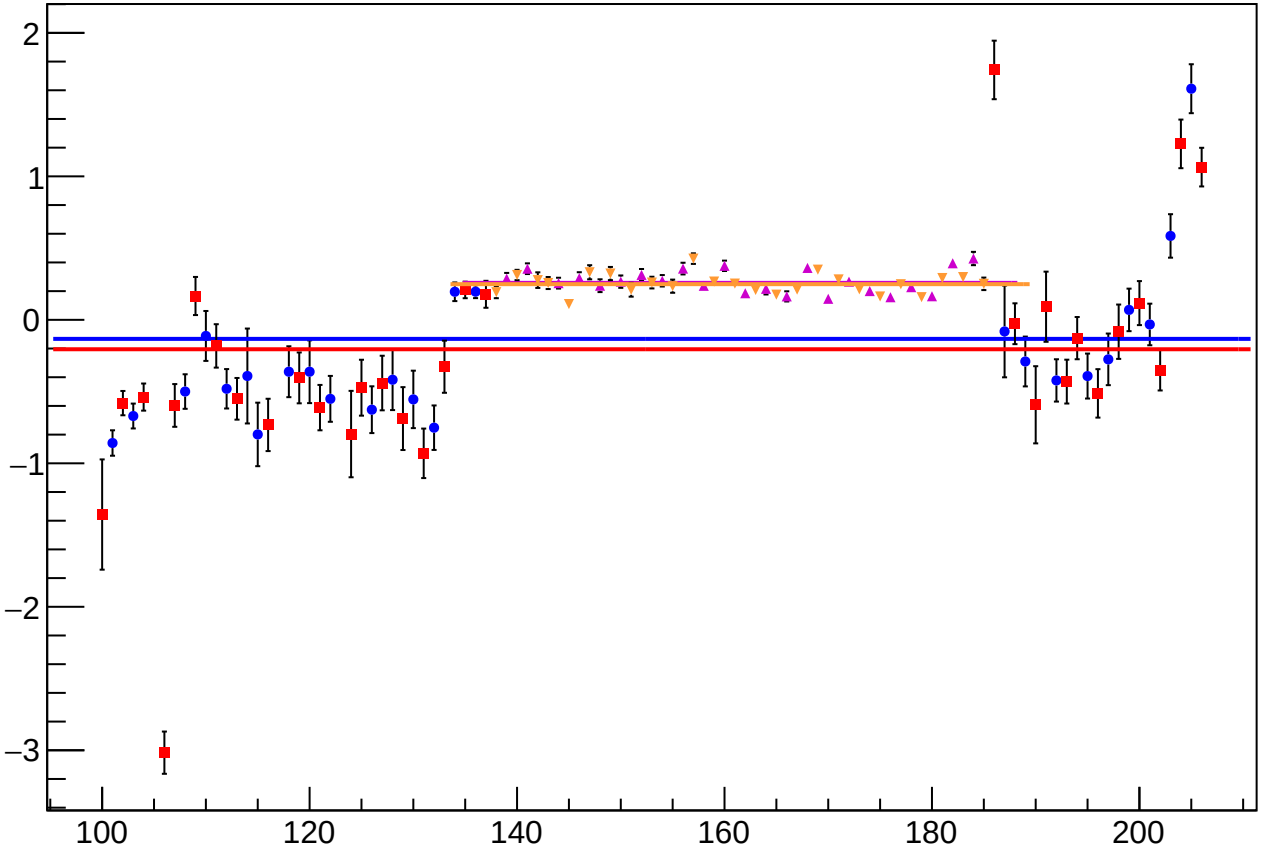
Left In: -20.555+/-0.160 χ^2/NDF:2193.8/22

+ sign -18.818+/-0.147 χ^2/NDF: 3360.6/49

All: -18.907+/-0.106 χ^2/NDF: 7354.2/103

- sign -19.002+/-0.152 χ^2/NDF: 3992.8/53

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.133+/-0.024 χ^2/NDF: 388.4/24

Left Out: 0.249+/-0.007 χ^2/NDF:93.2/24

Right Out: -0.205+/-0.025 χ^2/NDF: 808.8/30

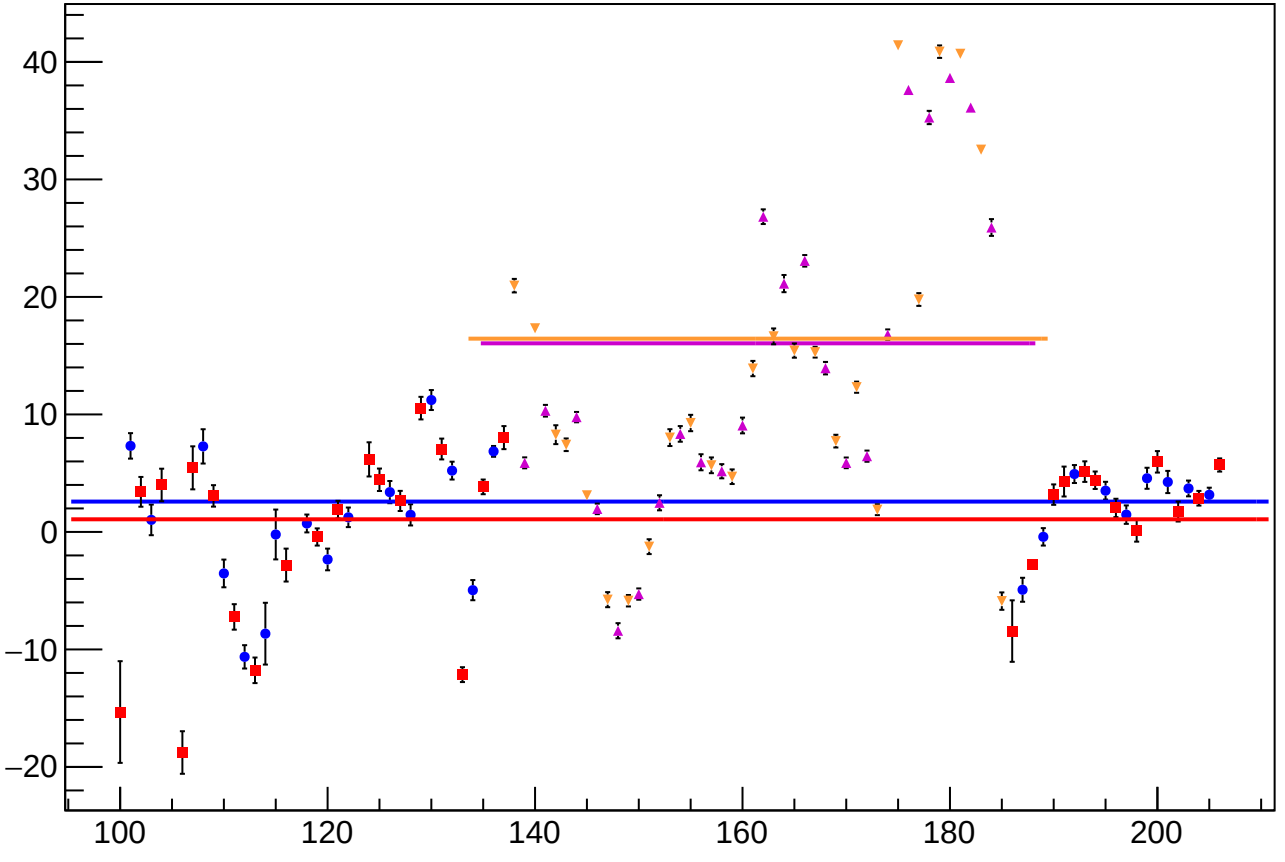
Left In: 0.258+/-0.007 χ^2/NDF:134.3/22

+ sign 0.219+/-0.007 χ^2/NDF: 713.3/49

All: 0.221+/-0.005 χ^2/NDF: 1973.9/103

- sign 0.223+/-0.007 χ^2/NDF: 1260.4/53

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.583+/-0.169 χ^2/NDF: 668.2/24

Left Out: 16.449+/-0.104 χ^2/NDF:21400.3/24

Right Out: 1.075+/-0.151 χ^2/NDF: 1319.0/30

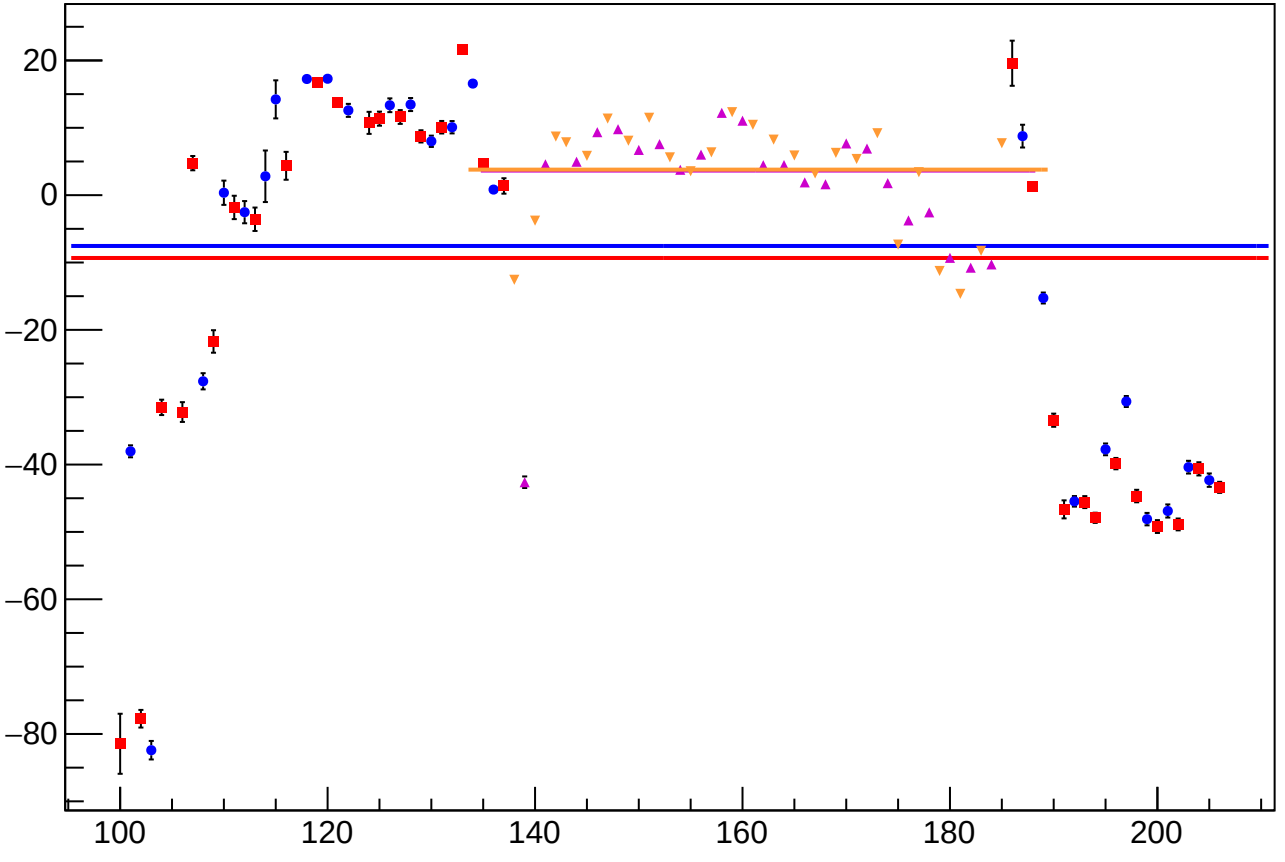
Left In: 16.051+/-0.107 χ^2/NDF:17625.1/22

+ sign 12.632+/-0.089 χ^2/NDF: 26961.1/49

All: 11.829+/-0.062 χ^2/NDF: 52587.9/103

- sign 11.045+/-0.087 χ^2/NDF: 25464.2/53

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -7.544+/-0.173 χ^2/NDF: 23455.7/24

Left Out: 3.790+/-0.080 χ^2/NDF:9100.7/24

Right Out: -9.327+/-0.161 χ^2/NDF: 30173.8/30

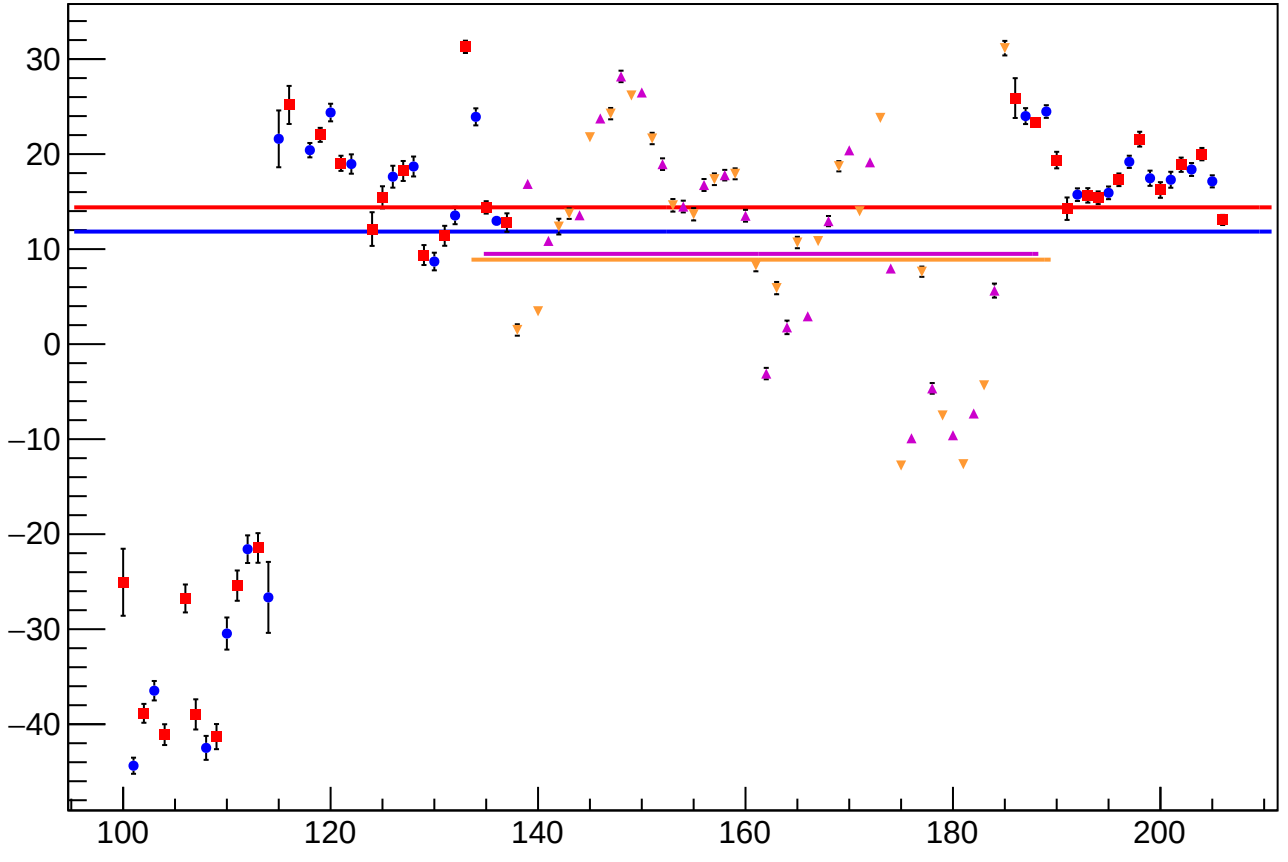
Left In: 3.649+/-0.083 χ^2/NDF:8310.7/22

+ sign 1.792+/-0.073 χ^2/NDF: 36087.7/49

All: 1.369+/-0.052 χ^2/NDF: 79759.7/103

- sign 0.934+/-0.074 χ^2/NDF: 43603.3/53

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 11.845+/-0.167 χ^2/NDF: 11403.0/24

Left Out: 8.892+/-0.104 χ^2/NDF:15428.1/24

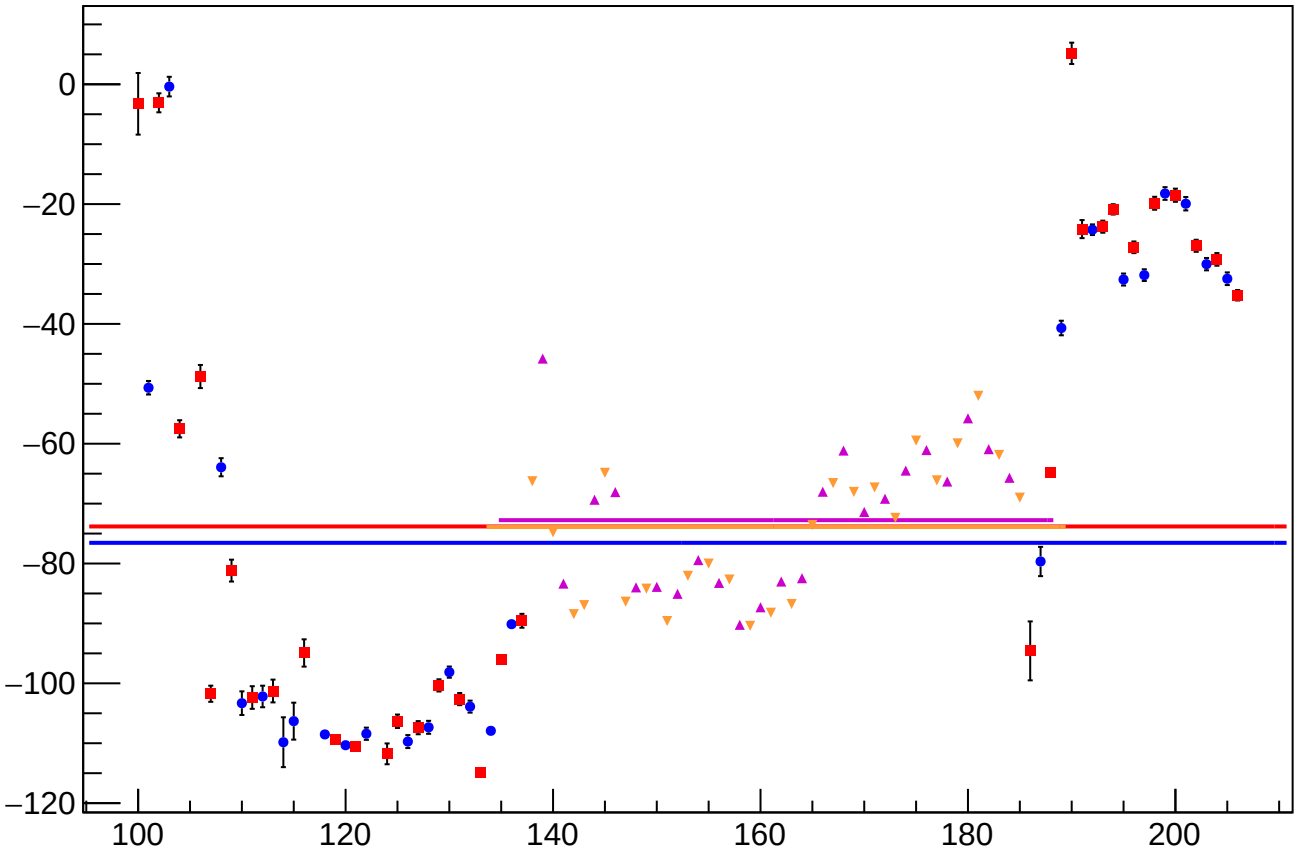
Right Out: 14.397+/-0.145 χ^2/NDF: 12463.0/30

Left In: 9.500+/-0.107 χ^2/NDF:13040.9/22

+ sign 9.716+/-0.088 χ^2/NDF: 27057.3/49

All: 10.482+/-0.062 χ^2/NDF: 53447.7/103

- sign 11.211+/-0.086 χ^2/NDF: 26242.5/53



Right In: -76.545+/-0.201 χ^2/NDF: 32392.1/24

Left Out: -73.907+/-0.090 χ^2/NDF:15567.0/24

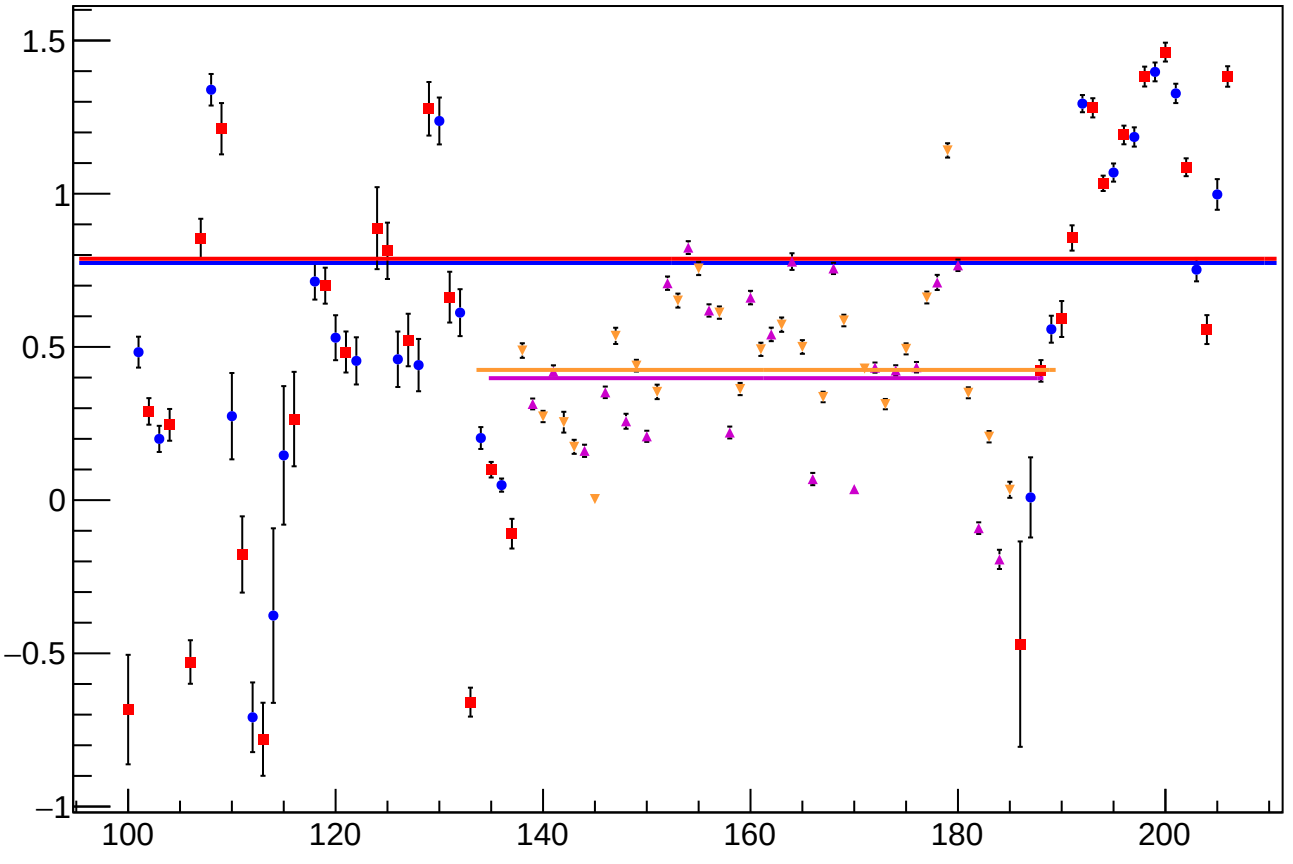
Right Out: -73.814+/-0.189 χ^2/NDF: 41942.2/30

Left In: -72.763+/-0.093 χ^2/NDF:12612.6/22

+ sign -74.352+/-0.082 χ^2/NDF: 48102.6/49

All: -73.670+/-0.059 χ^2/NDF: 102820.7/103

- sign -72.968+/-0.084 χ^2/NDF: 54579.6/53



Right In: 0.774+/-0.009 χ^2/NDF: 3443.8/24

Left Out: 0.425+/-0.004 χ^2/NDF:3035.4/24

Right Out: 0.788+/-0.008 χ^2/NDF: 4923.8/30

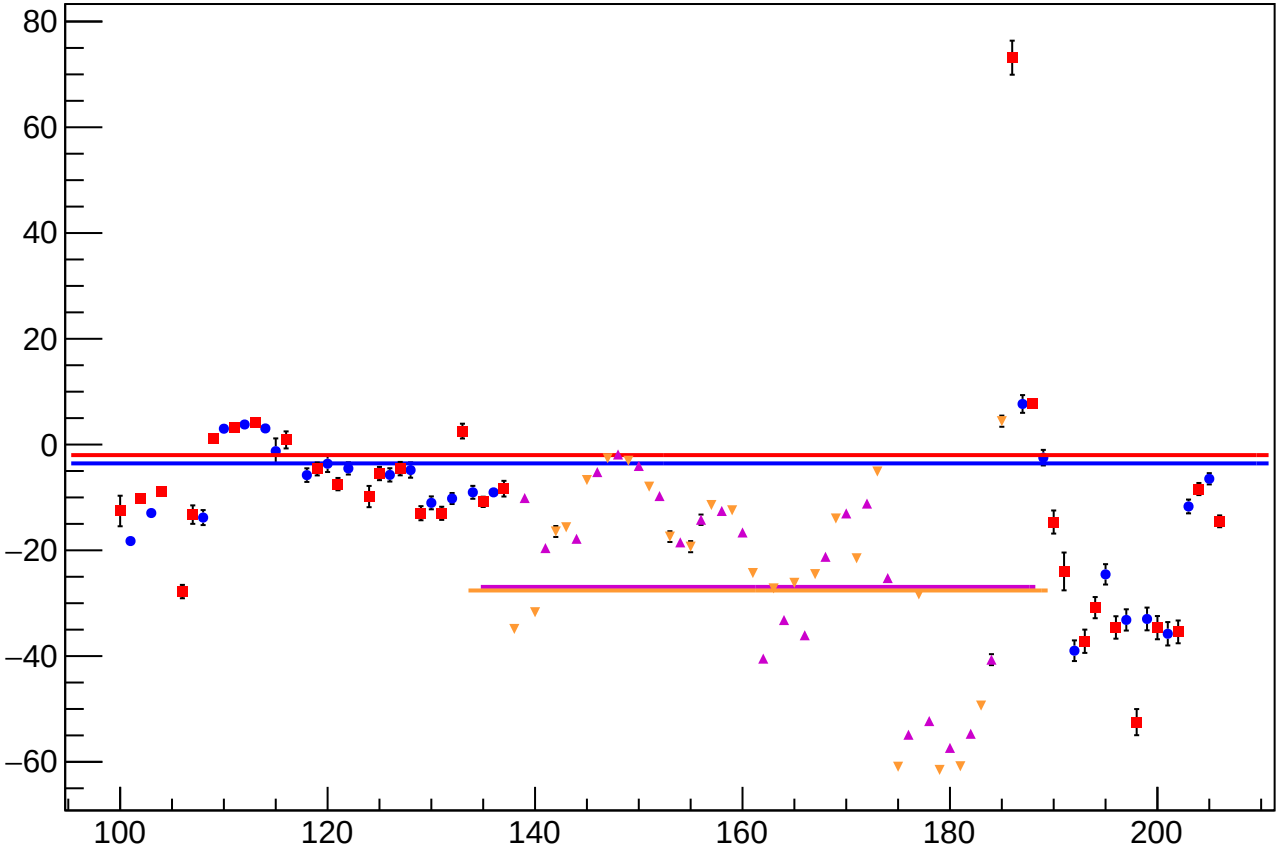
Left In: 0.398+/-0.004 χ^2/NDF:4271.0/22

+ sign 0.486+/-0.004 χ^2/NDF: 7768.7/49

All: 0.482+/-0.003 χ^2/NDF: 18793.4/103

- sign 0.478+/-0.004 χ^2/NDF: 11022.5/53

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -3.561+/-0.181 χ^2/NDF: 2699.0/24

Left Out: -27.594+/-0.144 χ^2/NDF:19761.6/24

Right Out: -1.995+/-0.159 χ^2/NDF: 4021.3/30

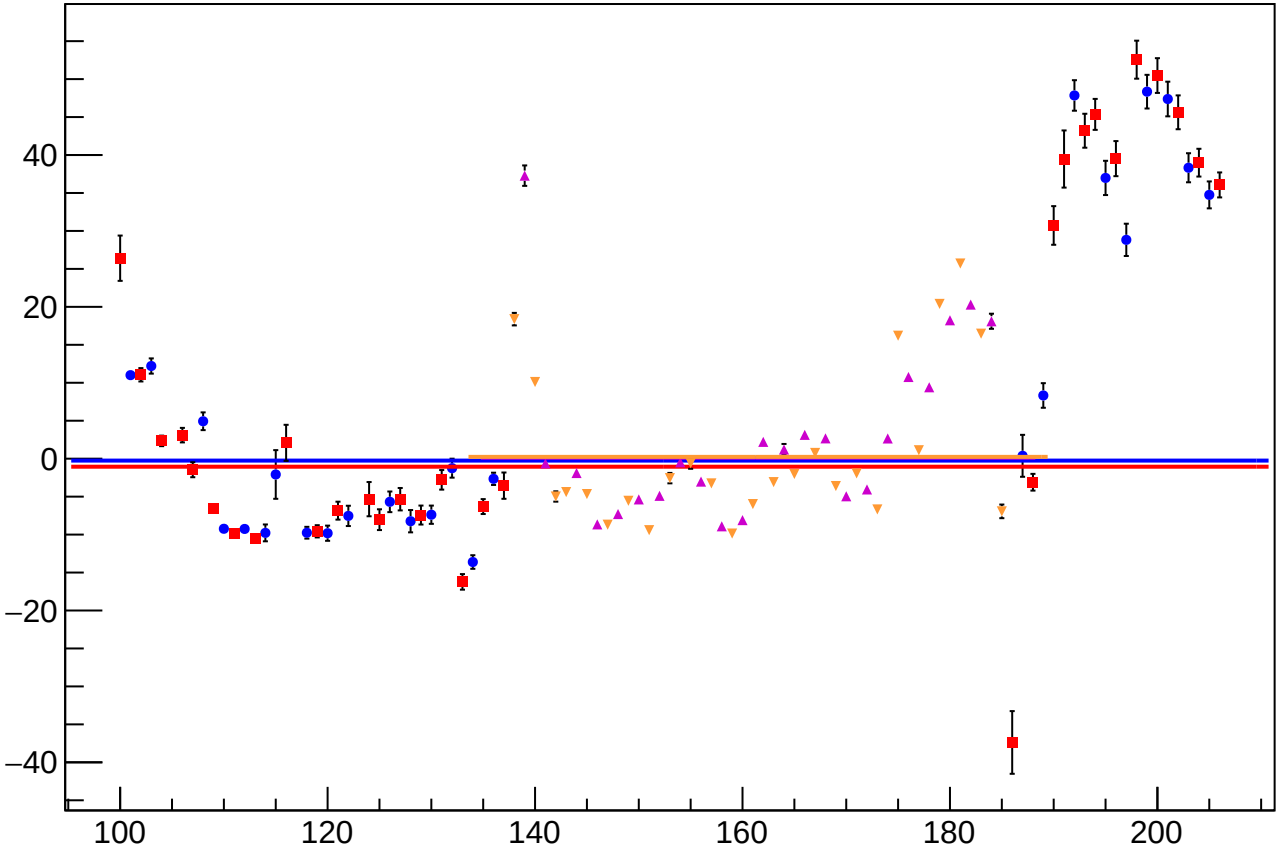
Left In: -26.918+/-0.149 χ^2/NDF:15536.6/22

+ sign -18.237+/-0.113 χ^2/NDF: 33258.5/49

All: -16.708+/-0.078 χ^2/NDF: 66198.1/103

- sign -15.282+/-0.109 χ^2/NDF: 32584.4/53

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: -0.252+/-0.214 χ^2/NDF: 4443.4/24

Left Out: 0.238+/-0.110 χ^2/NDF:8035.6/24

Right Out: -1.058+/-0.205 χ^2/NDF: 5289.6/30

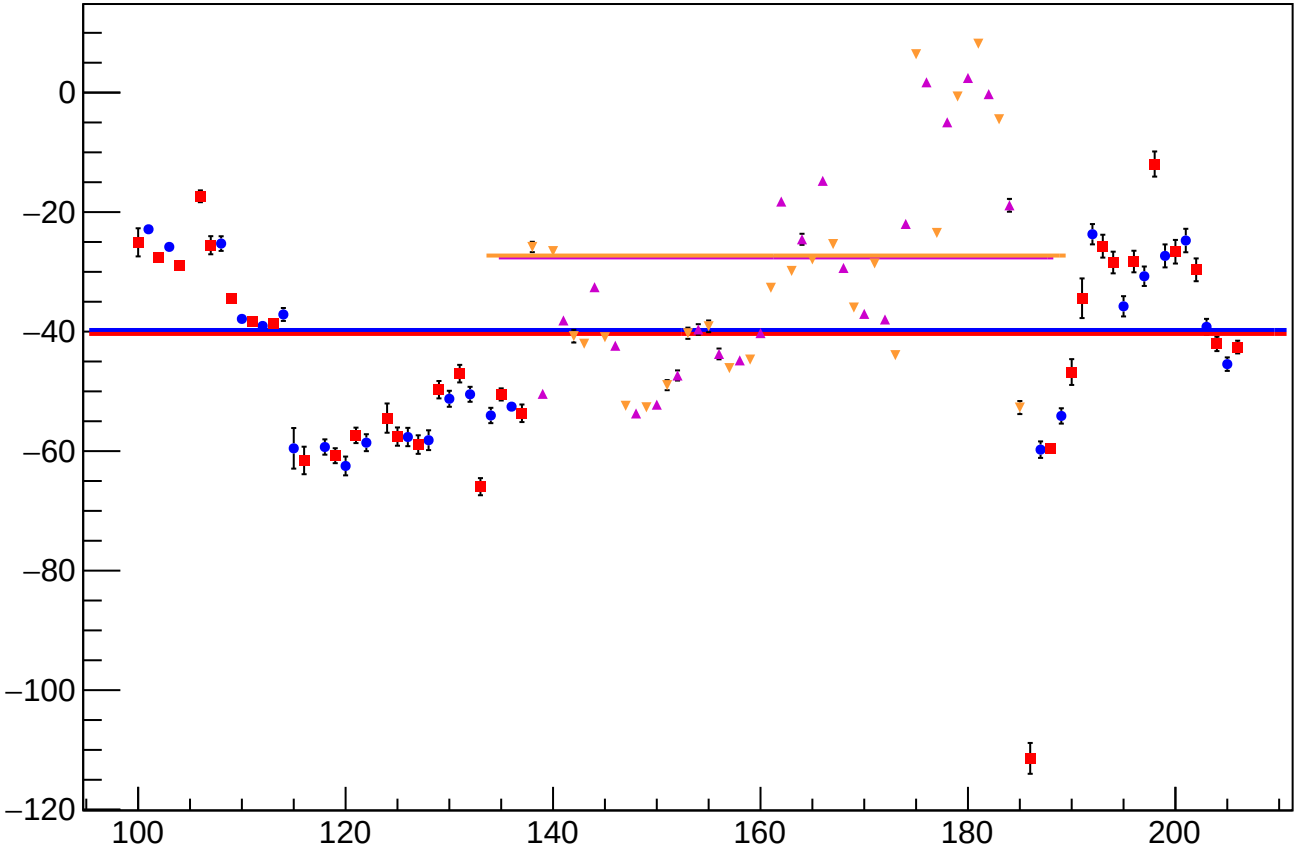
Left In: 0.131+/-0.114 χ^2/NDF:5837.4/22

+ sign 0.135+/-0.098 χ^2/NDF: 12483.2/49

All: -0.005+/-0.070 χ^2/NDF: 23640.1/103

- sign -0.152+/-0.100 χ^2/NDF: 11152.7/53

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -39.729+/-0.205 χ^2/NDF: 3545.9/24

Left Out: -27.271+/-0.144 χ^2/NDF:18526.9/24

Right Out: -40.388+/-0.188 χ^2/NDF: 4975.6/30

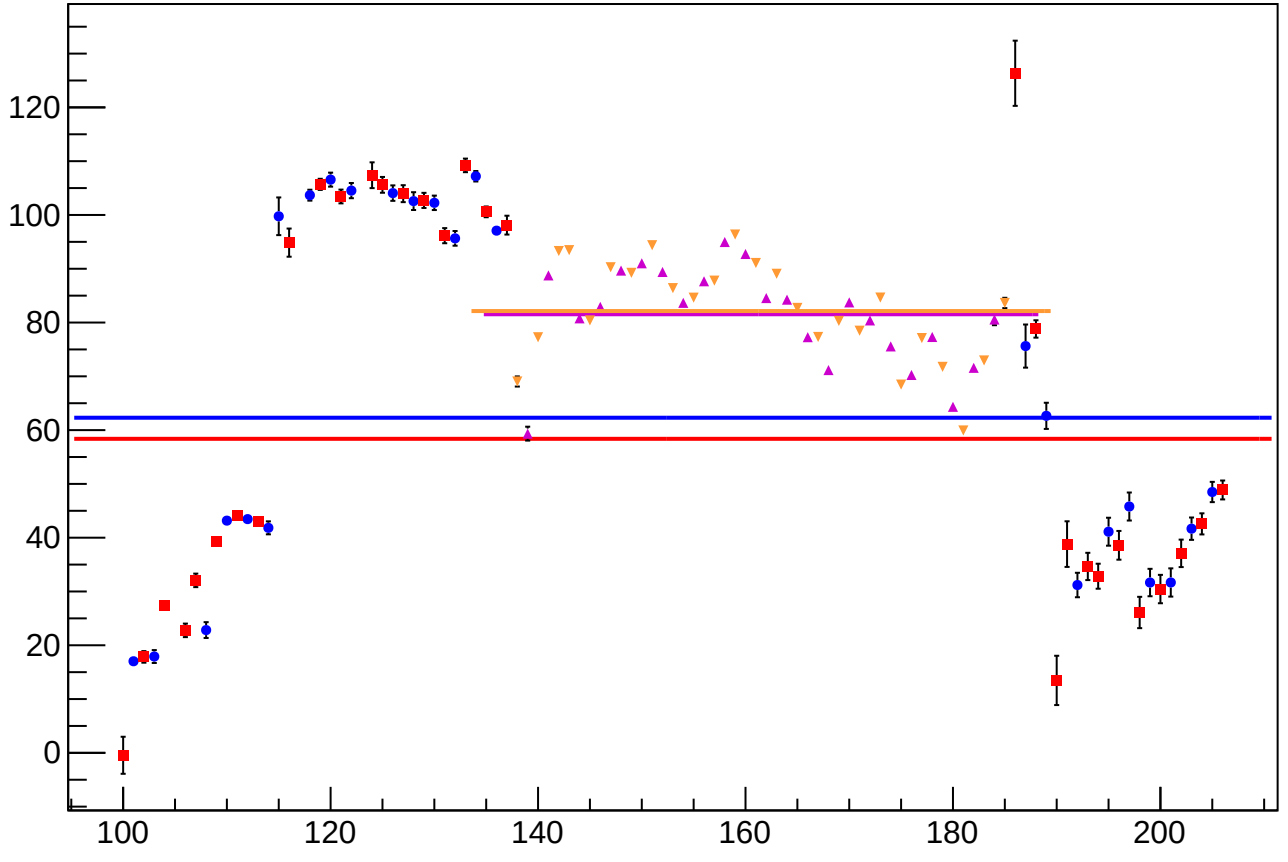
Left In: -27.583+/-0.148 χ^2/NDF:15648.7/22

+ sign -31.377+/-0.118 χ^2/NDF: 24543.2/49

All: -31.946+/-0.083 χ^2/NDF: 48080.4/103

- sign -32.500+/-0.116 χ^2/NDF: 23491.1/53

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 62.304+/-0.245 χ^2/NDF: 19388.1/24

Left Out: 82.134+/-0.125 χ^2/NDF:5375.9/24

Right Out: 58.382+/-0.235 χ^2/NDF: 18529.3/30

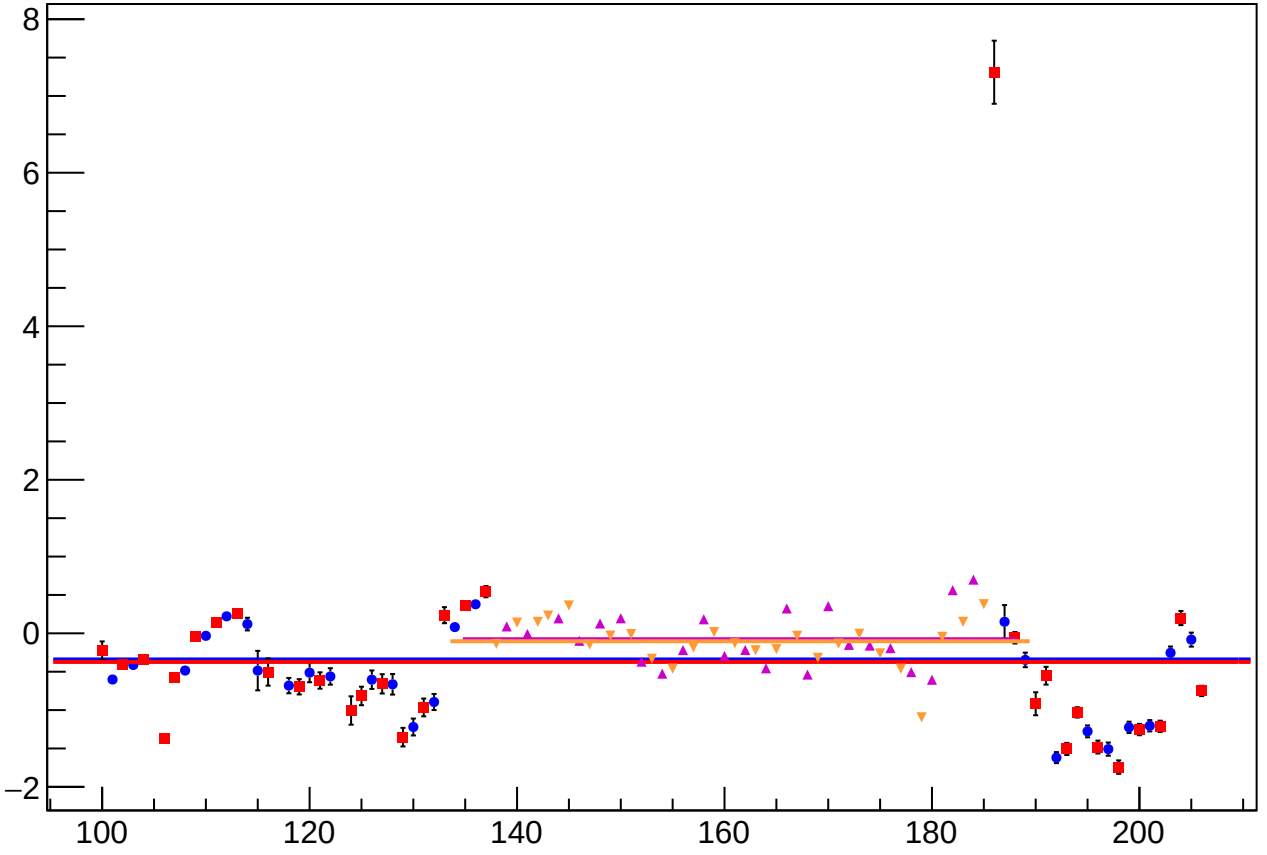
Left In: 81.539+/-0.129 χ^2/NDF:4043.0/22

\+ sign 78.060+/-0.111 χ^2/NDF: 29954.6/49

All: 77.129+/-0.079 χ^2/NDF: 60147.9/103

\- sign 76.169+/-0.113 χ^2/NDF: 30051.1/53

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.340+/-0.012 χ^2/NDF: 1983.3/24

Left Out: -0.103+/-0.006 χ^2/NDF:2408.2/24

Right Out: -0.373+/-0.011 χ^2/NDF: 2962.5/30

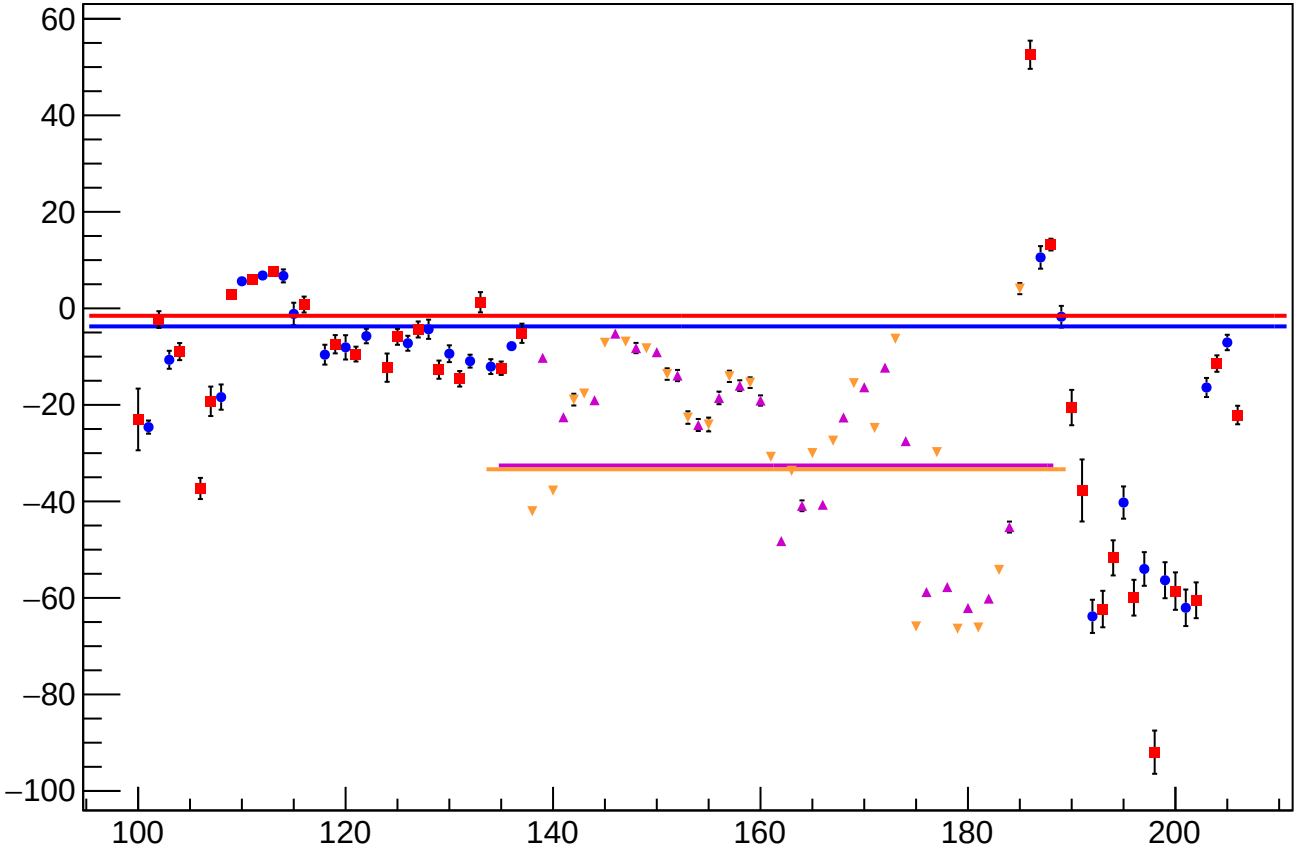
Left In: -0.077+/-0.006 χ^2/NDF:3320.8/22

+ sign -0.145+/-0.005 χ^2/NDF: 4707.0/49

All: -0.141+/-0.004 χ^2/NDF: 11525.3/103

- sign -0.136+/-0.005 χ^2/NDF: 6816.8/53

reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -3.737+/-0.289 χ^2/NDF: 2098.1/24

Left Out: -33.346+/-0.165 χ^2/NDF:17989.6/24

Right Out: -1.537+/-0.263 χ^2/NDF: 3233.4/30

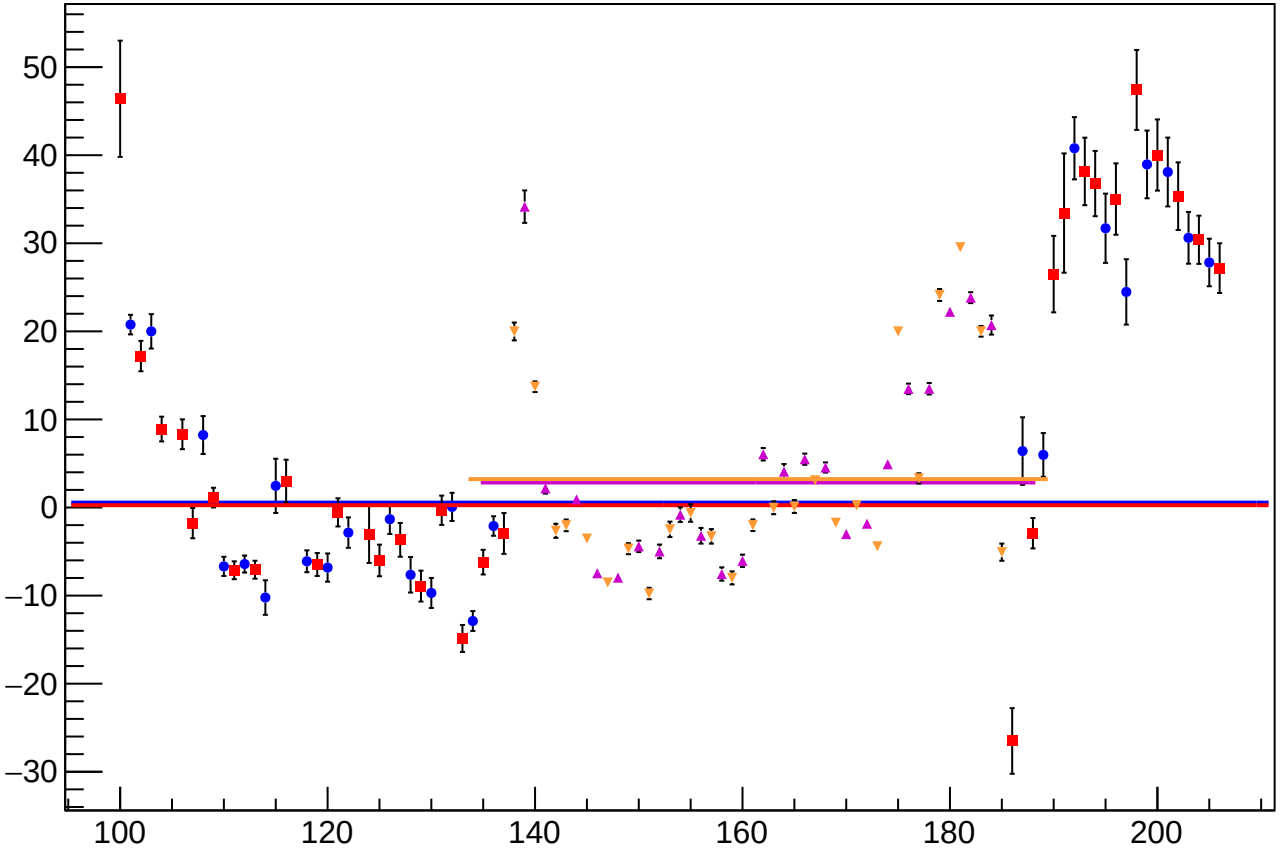
Left In: -32.559+/-0.169 χ^2/NDF:13896.0/22

\+ sign -26.098+/-0.143 χ^2/NDF: 28008.3/49

All: -24.764+/-0.101 χ^2/NDF: 55161.9/103

\- sign -23.443+/-0.142 χ^2/NDF: 26980.6/53

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 0.555+/-0.339 χ^2/NDF: 1465.2/24

Left Out: 3.224+/-0.128 χ^2/NDF:7675.6/24

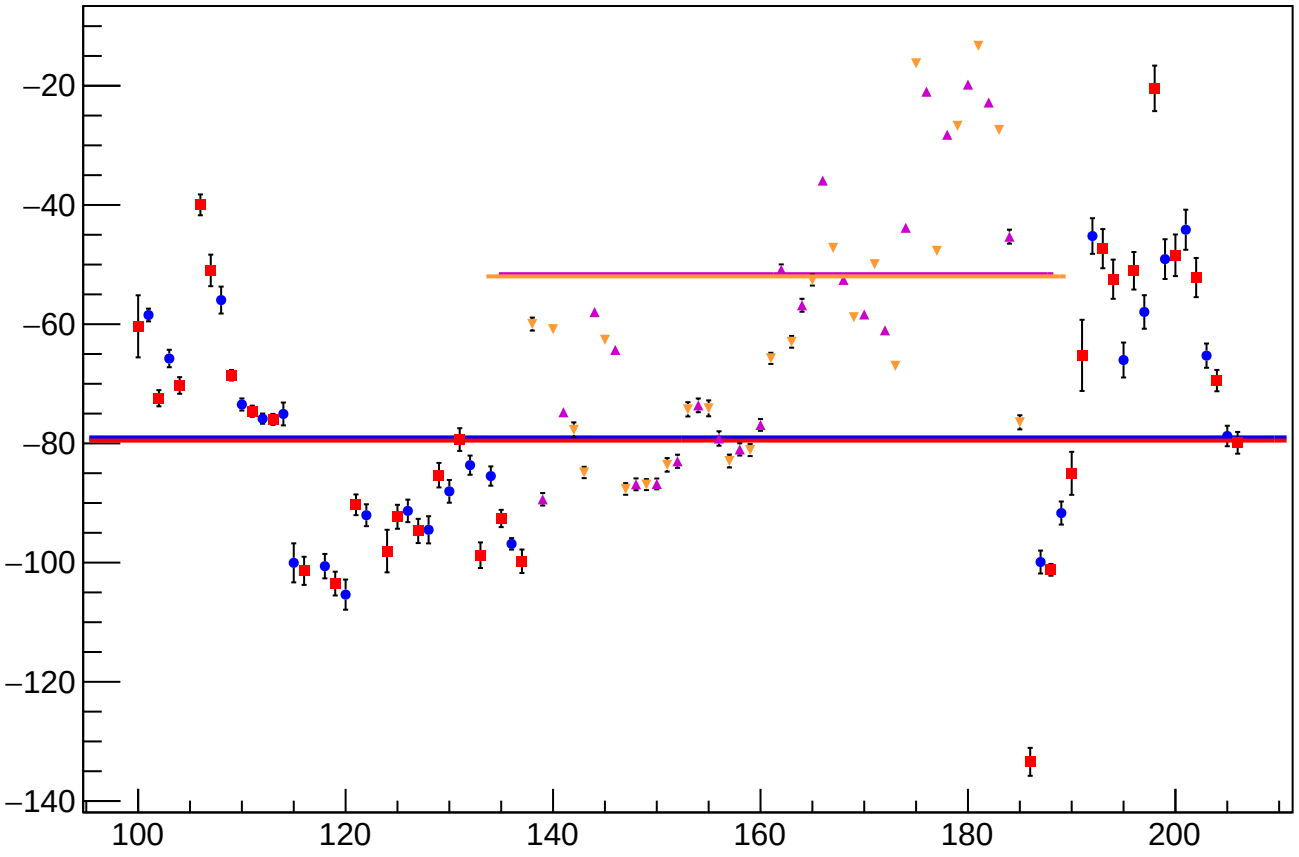
Right Out: 0.263+/-0.333 χ^2/NDF: 1390.7/30

Left In: 2.845+/-0.131 χ^2/NDF:5455.5/22

+ sign 2.890+/-0.120 χ^2/NDF: 9195.2/49

All: 2.697+/-0.086 χ^2/NDF: 16098.8/103

- sign 2.497+/-0.122 χ^2/NDF: 6898.4/53



Right In: -78.995+/-0.330 χ^2/NDF: 1993.9/24

Left Out: -51.982+/-0.165 χ^2/NDF:20887.7/24

Right Out: -79.528+/-0.309 χ^2/NDF: 3267.8/30

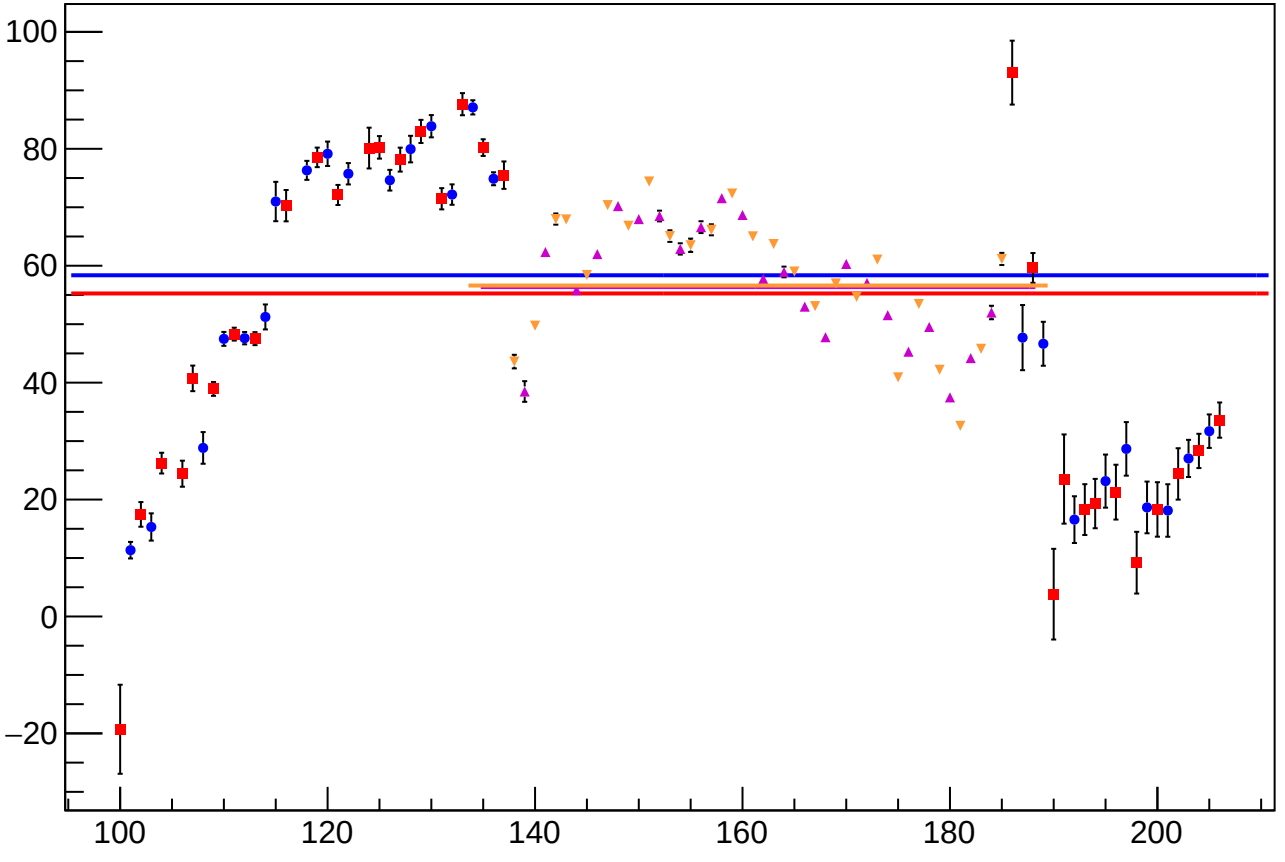
Left In: -51.612+/-0.169 χ^2/NDF:17624.2/22

+ sign -57.374+/-0.147 χ^2/NDF: 28243.8/49

All: -57.705+/-0.105 χ^2/NDF: 55423.6/103

- sign -58.040+/-0.148 χ^2/NDF: 27169.7/53

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 58.366+/-0.383 χ^2/NDF: 3846.6/24

Left Out: 56.612+/-0.144 χ^2/NDF:5666.2/24

Right Out: 55.255+/-0.378 χ^2/NDF: 3447.5/30

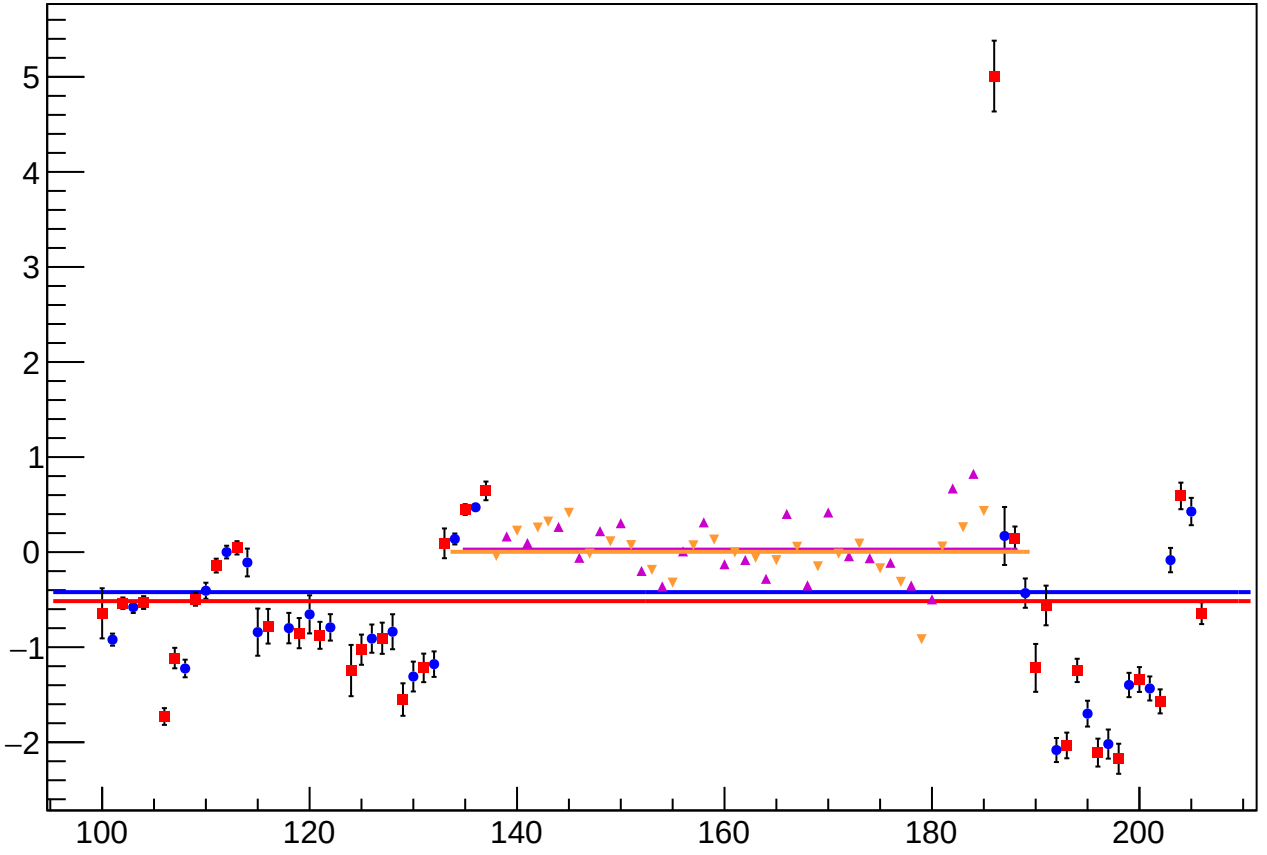
Left In: 56.348+/-0.147 χ^2/NDF:3968.7/22

+ sign 56.829+/-0.135 χ^2/NDF: 9531.1/49

All: 56.523+/-0.096 χ^2/NDF: 16965.1/103

- sign 56.204+/-0.137 χ^2/NDF: 7423.4/53

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.421+/-0.020 χ^2/NDF: 1307.6/24

Left Out: 0.004+/-0.006 χ^2/NDF:1701.0/24

Right Out: -0.515+/-0.019 χ^2/NDF: 1672.5/30

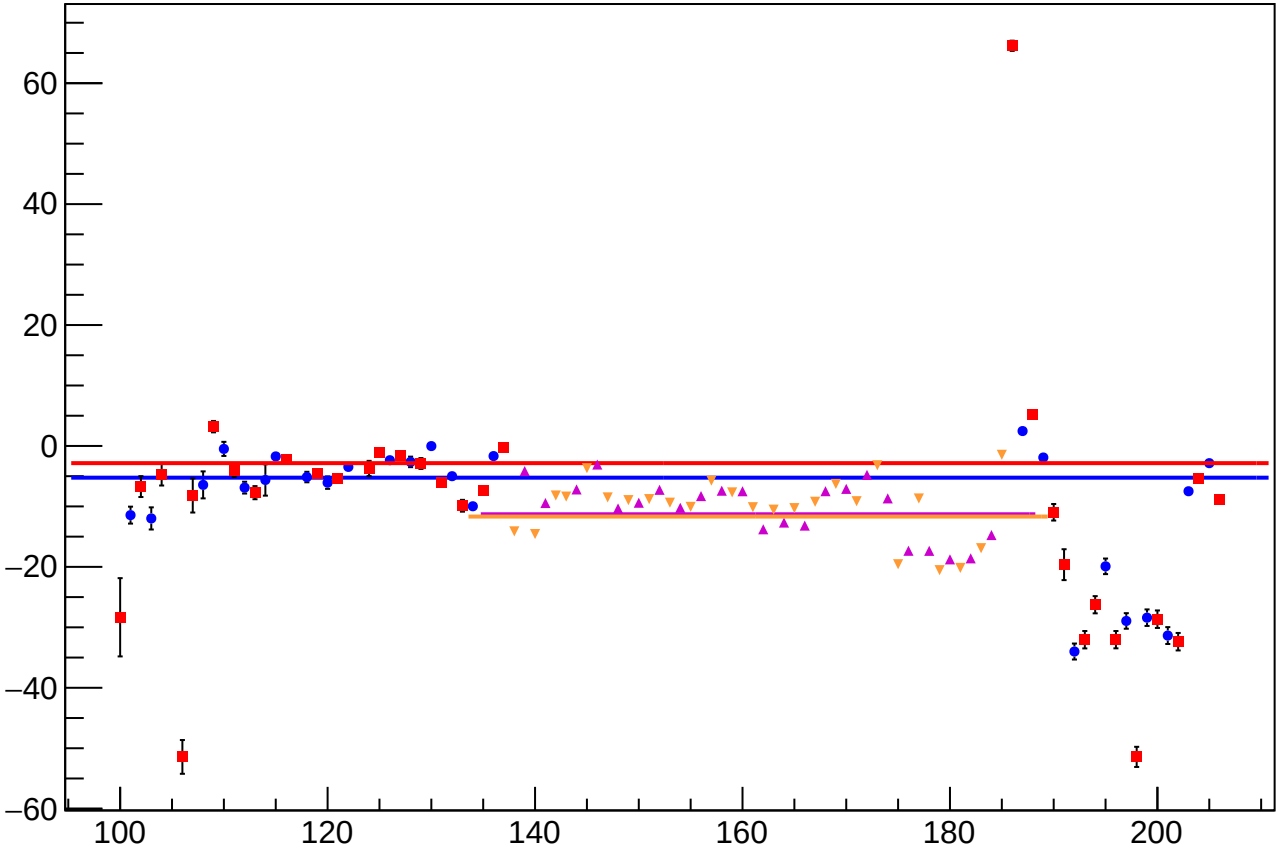
Left In: 0.026+/-0.007 χ^2/NDF:2349.0/22

+ sign -0.038+/-0.006 χ^2/NDF: 3428.3/49

All: -0.034+/-0.004 χ^2/NDF: 8148.6/103

- sign -0.030+/-0.006 χ^2/NDF: 4719.5/53

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -5.247+/-0.160 χ^2/NDF: 2023.3/24

Left Out: -11.680+/-0.053 χ^2/NDF:12602.3/24

Right Out: -2.843+/-0.158 χ^2/NDF: 10497.4/30

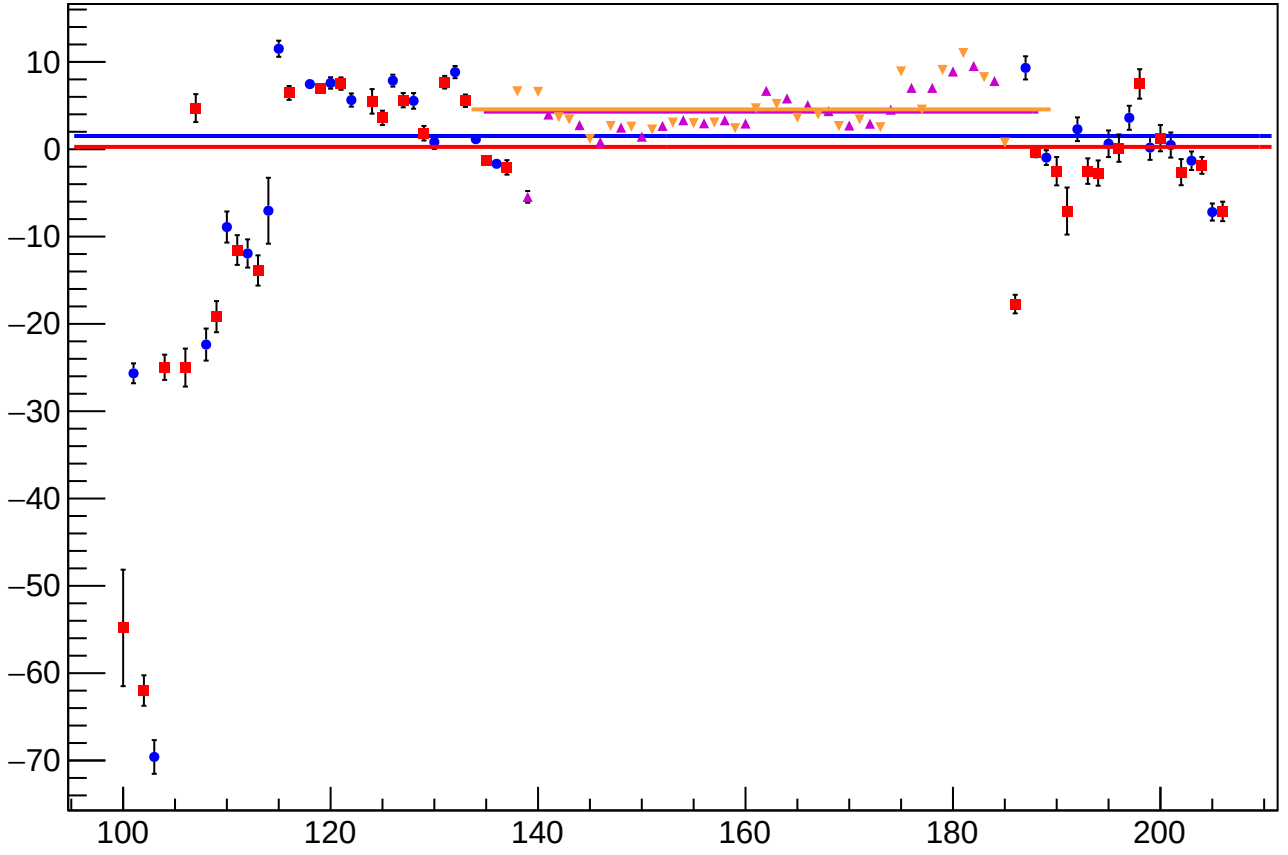
Left In: -11.301+/-0.054 χ^2/NDF:9229.2/22

+ sign -11.052+/-0.050 χ^2/NDF: 16083.7/49

All: -10.741+/-0.036 χ^2/NDF: 38454.8/103

- sign -10.417+/-0.051 χ^2/NDF: 22292.4/53

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: 1.519+/-0.171 χ^2/NDF: 2975.7/24

Left Out: 4.564+/-0.041 χ^2/NDF:4356.3/24

Right Out: 0.270+/-0.178 χ^2/NDF: 2972.9/30

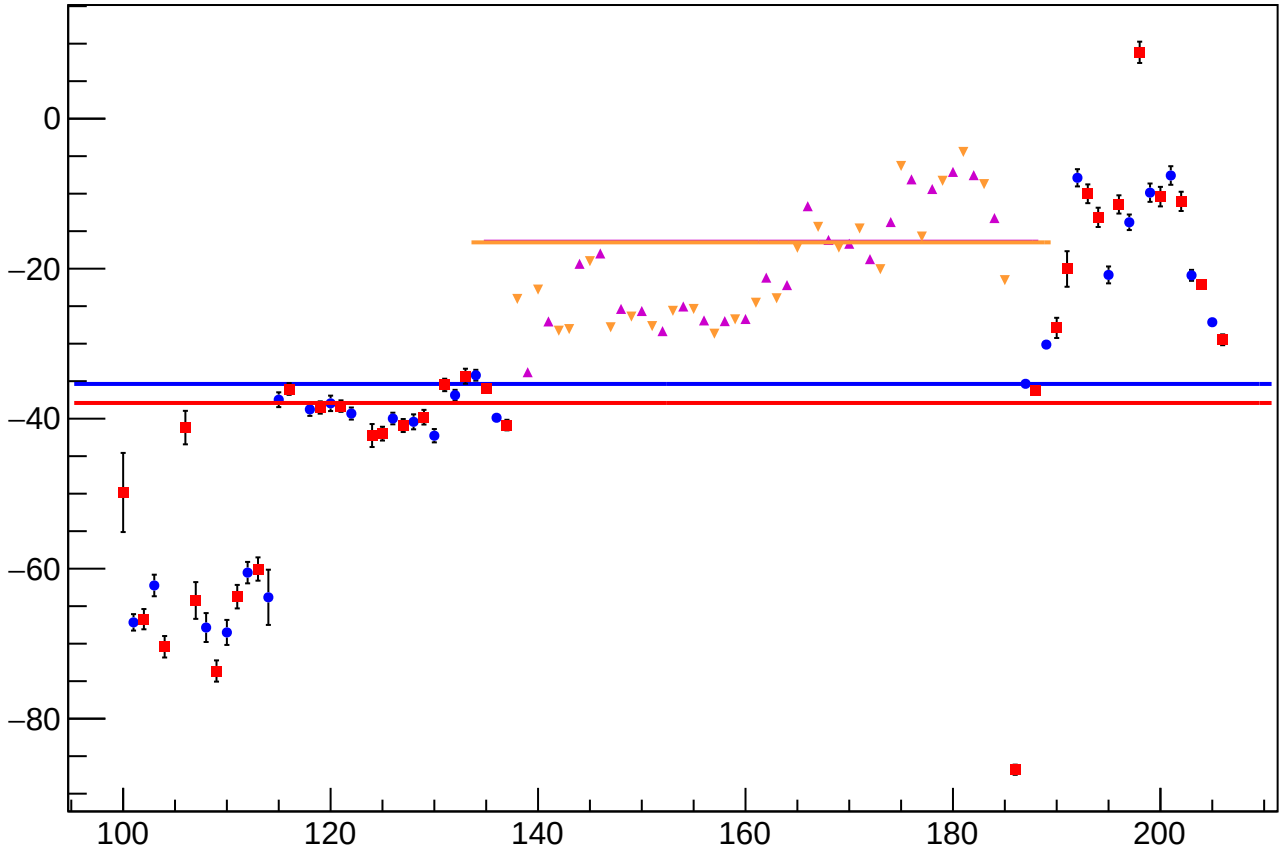
Left In: 4.308+/-0.042 χ^2/NDF:3609.0/22

+ sign 4.395+/-0.040 χ^2/NDF: 7632.9/49

All: 4.247+/-0.029 χ^2/NDF: 14732.0/103

- sign 4.093+/-0.041 χ^2/NDF: 7071.5/53

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



Right In: -35.370+/-0.167 χ^2/NDF: 5319.2/24

Left Out: -16.492+/-0.053 χ^2/NDF:21982.6/24

Right Out: -37.906+/-0.161 χ^2/NDF: 11754.7/30

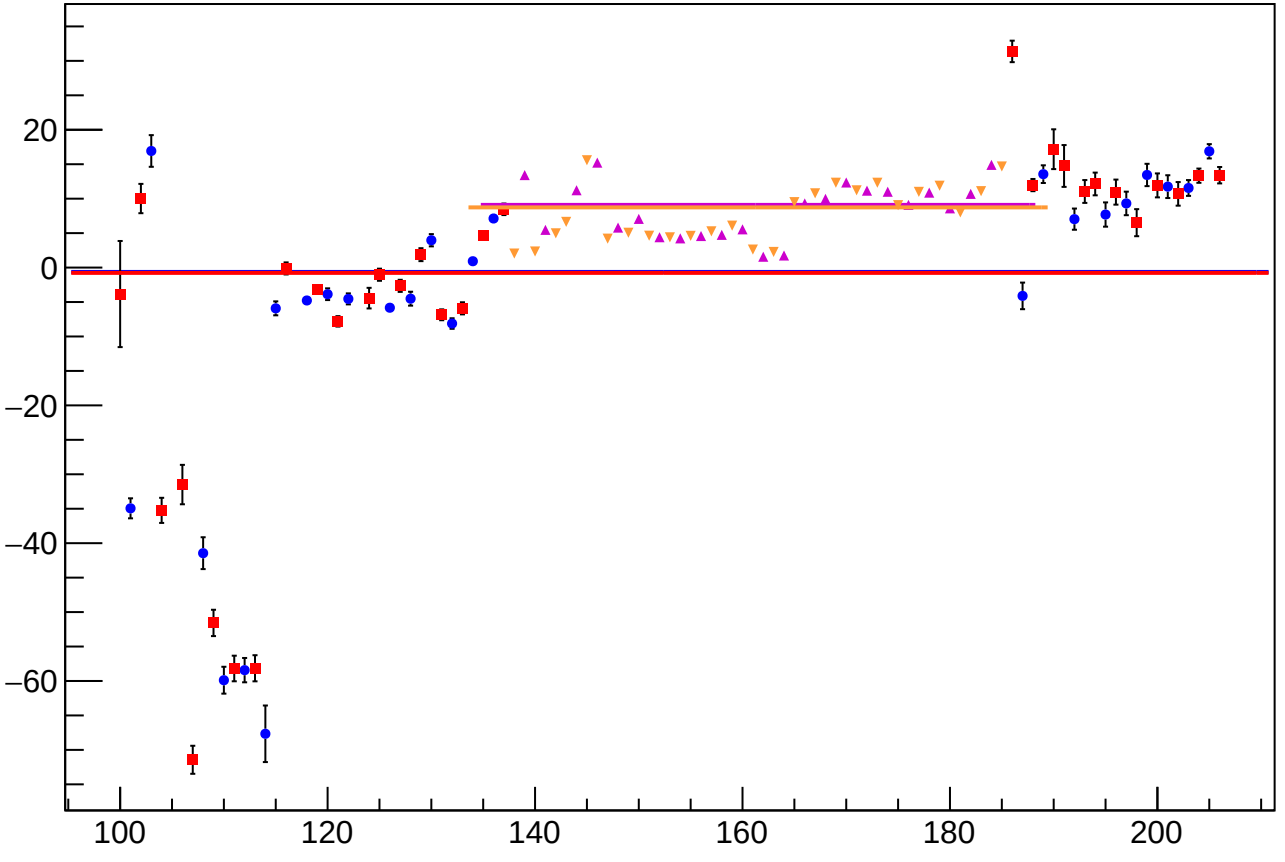
Left In: -16.403+/-0.054 χ^2/NDF:18032.3/22

+ sign -18.214+/-0.050 χ^2/NDF: 38966.2/49

All: -18.391+/-0.036 χ^2/NDF: 84841.4/103

- sign -18.574+/-0.051 χ^2/NDF: 45850.0/53

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



Right In: -0.634+/-0.192 χ^2/NDF: 4580.8/24

Left Out: 8.735+/-0.046 χ^2/NDF:6875.5/24

Right Out: -0.768+/-0.204 χ^2/NDF: 6003.5/30

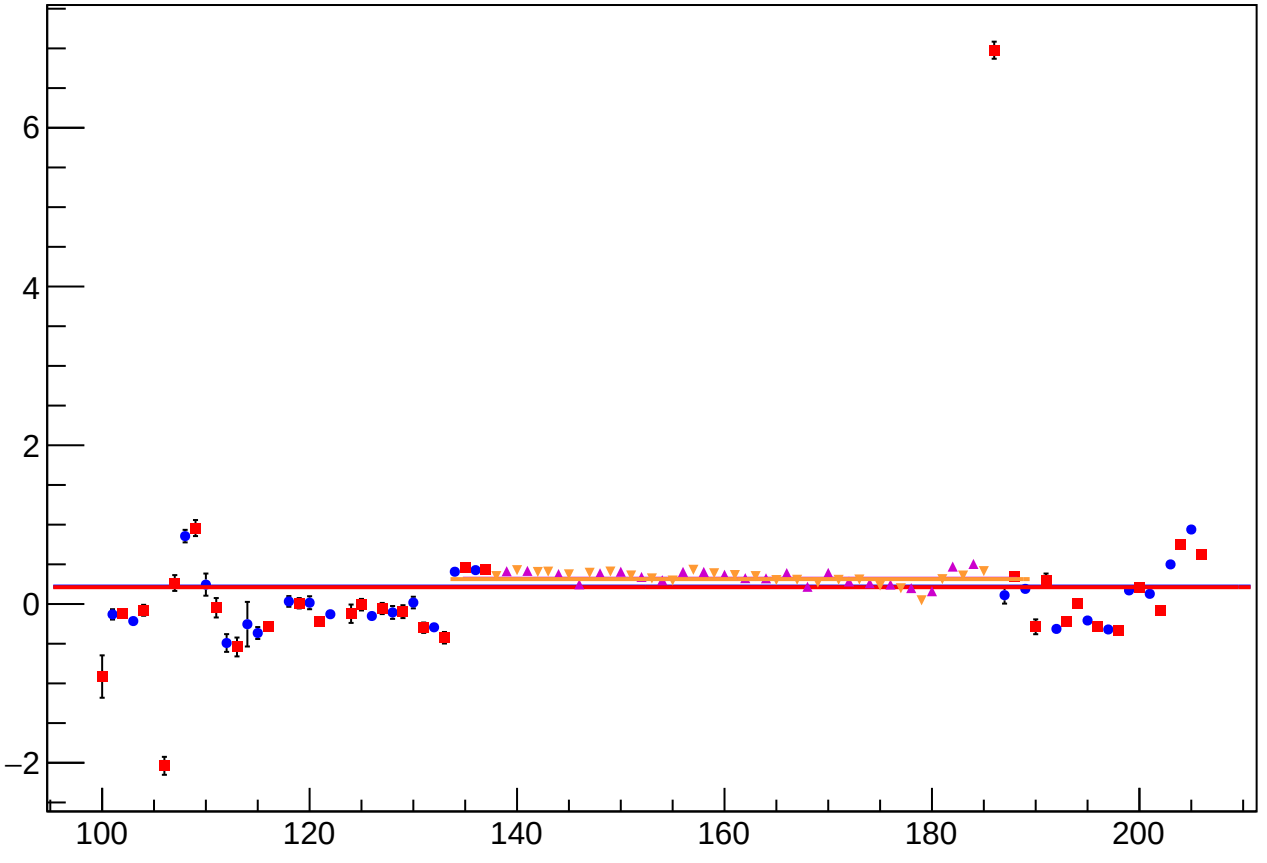
Left In: 9.096+/-0.047 χ^2/NDF:5739.5/22

\+ sign 8.222+/-0.045 χ^2/NDF: 13708.5/49

All: 8.404+/-0.032 χ^2/NDF: 27714.4/103

\- sign 8.595+/-0.046 χ^2/NDF: 13972.1/53

reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.220+/-0.010 χ^2/NDF: 1133.3/24

Left Out: 0.314+/-0.002 χ^2/NDF:1602.1/24

Right Out: 0.212+/-0.010 χ^2/NDF: 5525.8/30

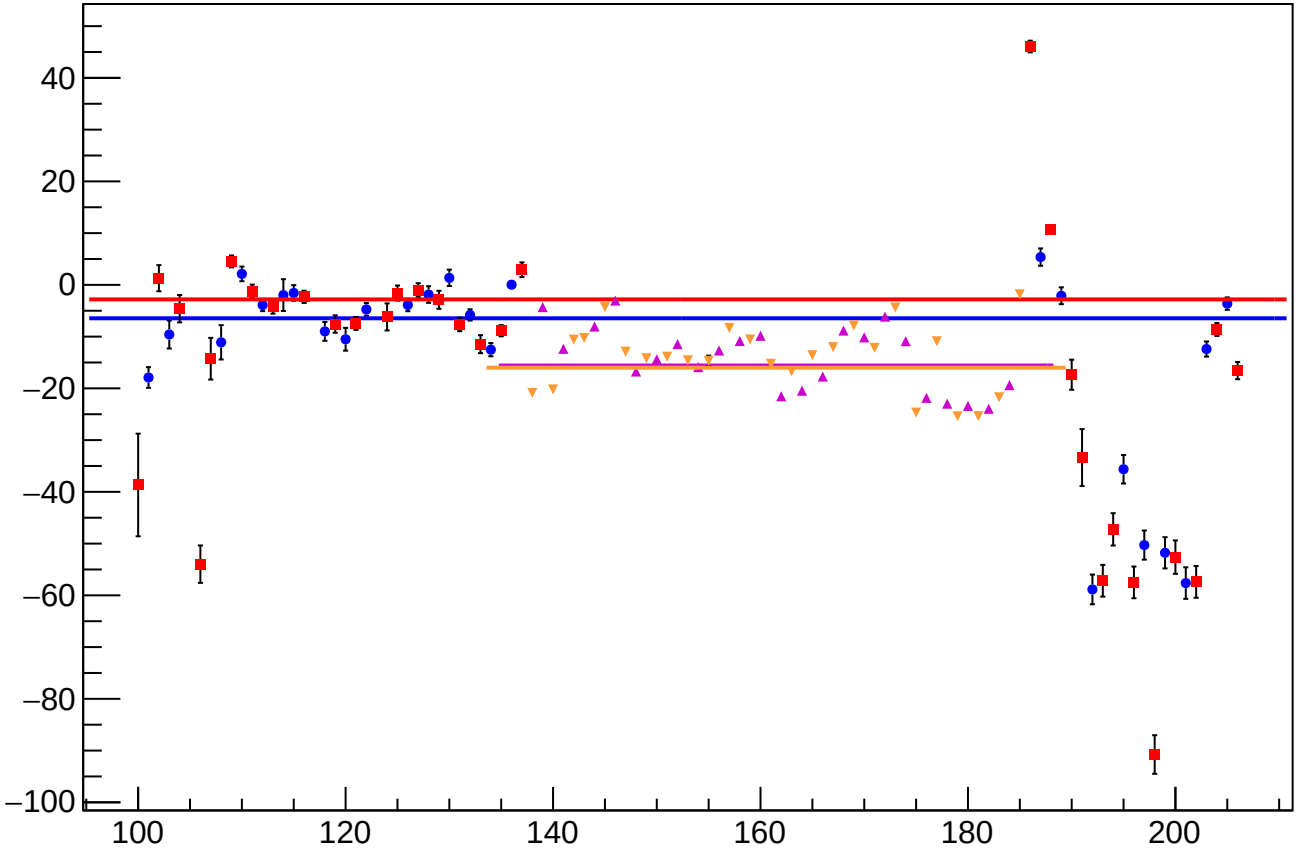
Left In: 0.319+/-0.002 χ^2/NDF:1787.8/22

+ sign 0.310+/-0.002 χ^2/NDF: 2826.9/49

All: 0.312+/-0.001 χ^2/NDF: 10248.2/103

- sign 0.314+/-0.002 χ^2/NDF: 7418.9/53

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -6.460+/-0.304 χ^2/NDF: 1518.0/24

Left Out: -16.000+/-0.099 χ^2/NDF:5962.8/24

Right Out: -2.806+/-0.294 χ^2/NDF: 4566.5/30

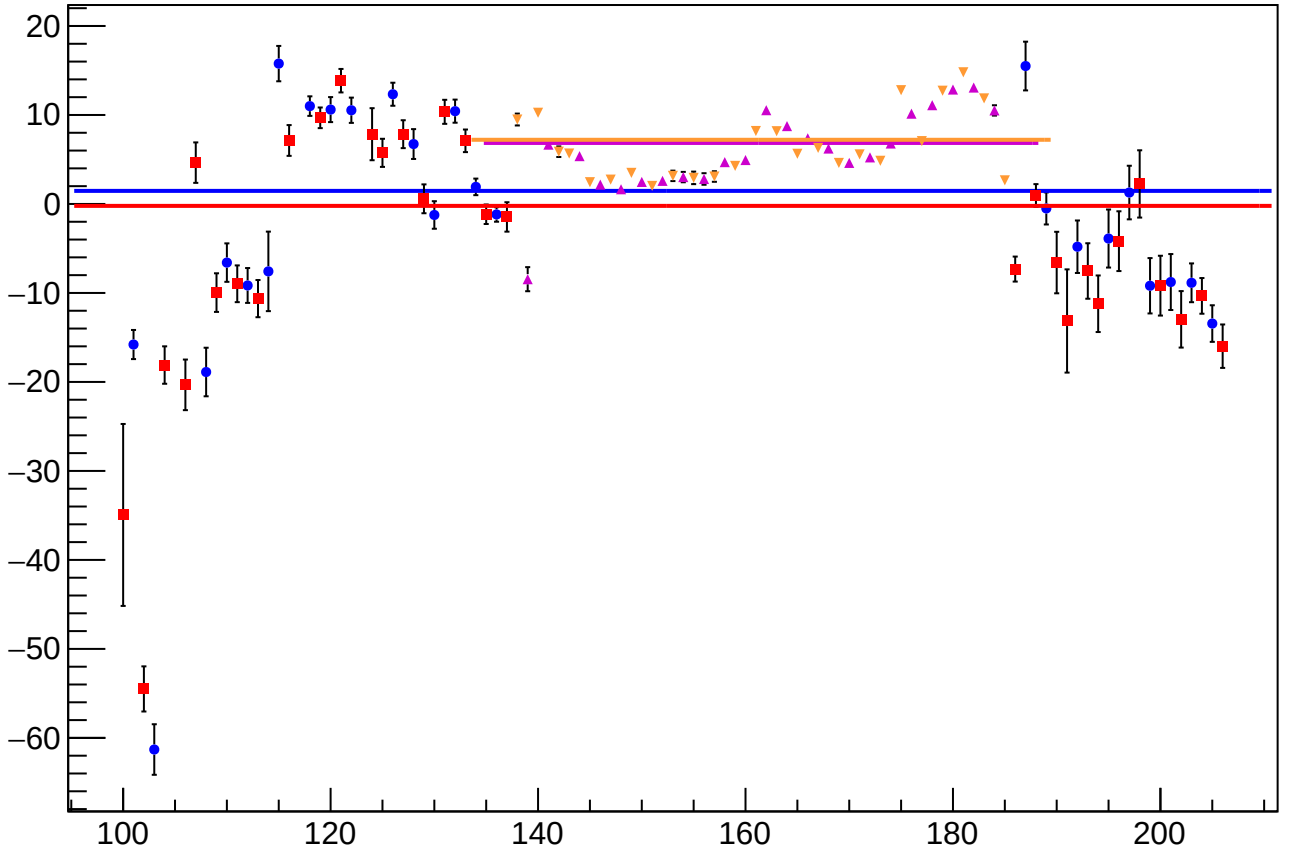
Left In: -15.582+/-0.102 χ^2/NDF:4759.9/22

+ sign -15.077+/-0.094 χ^2/NDF: 8372.6/49

All: -14.651+/-0.067 χ^2/NDF: 19430.1/103

- sign -14.207+/-0.096 χ^2/NDF: 11015.8/53

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: 1.469+/-0.328 χ^2/NDF: 1186.6/24

Left Out: 7.212+/-0.080 χ^2/NDF:2455.9/24

Right Out: -0.216+/-0.335 χ^2/NDF: 1153.0/30

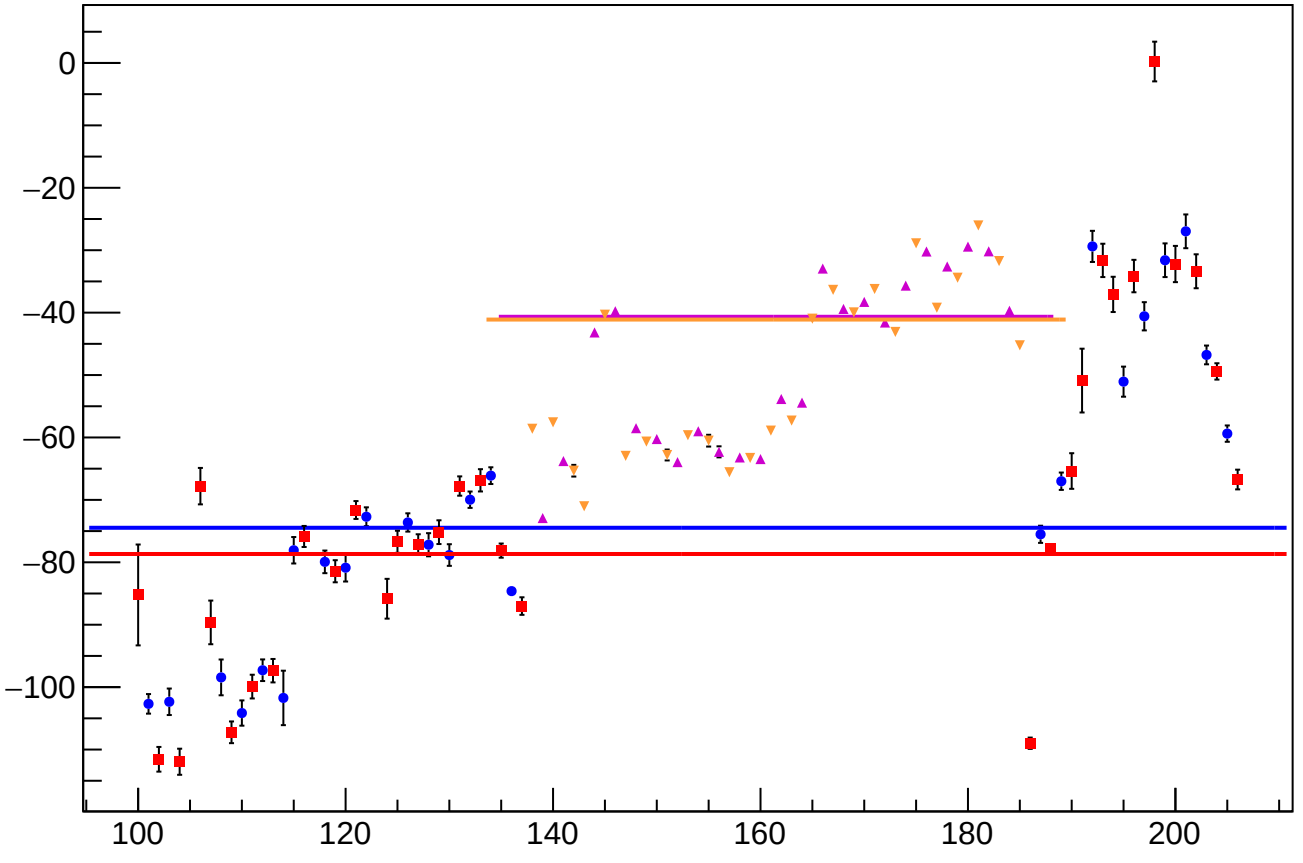
Left In: 6.856+/-0.081 χ^2/NDF:2156.4/22

+ sign 6.890+/-0.078 χ^2/NDF: 3931.0/49

All: 6.680+/-0.055 χ^2/NDF: 7676.0/103

- sign 6.465+/-0.079 χ^2/NDF: 3730.3/53

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -74.468+/-0.322 χ^2/NDF: 2988.2/24

Left Out: -41.111+/-0.100 χ^2/NDF:16000.8/24

Right Out: -78.669+/-0.304 χ^2/NDF: 4918.8/30

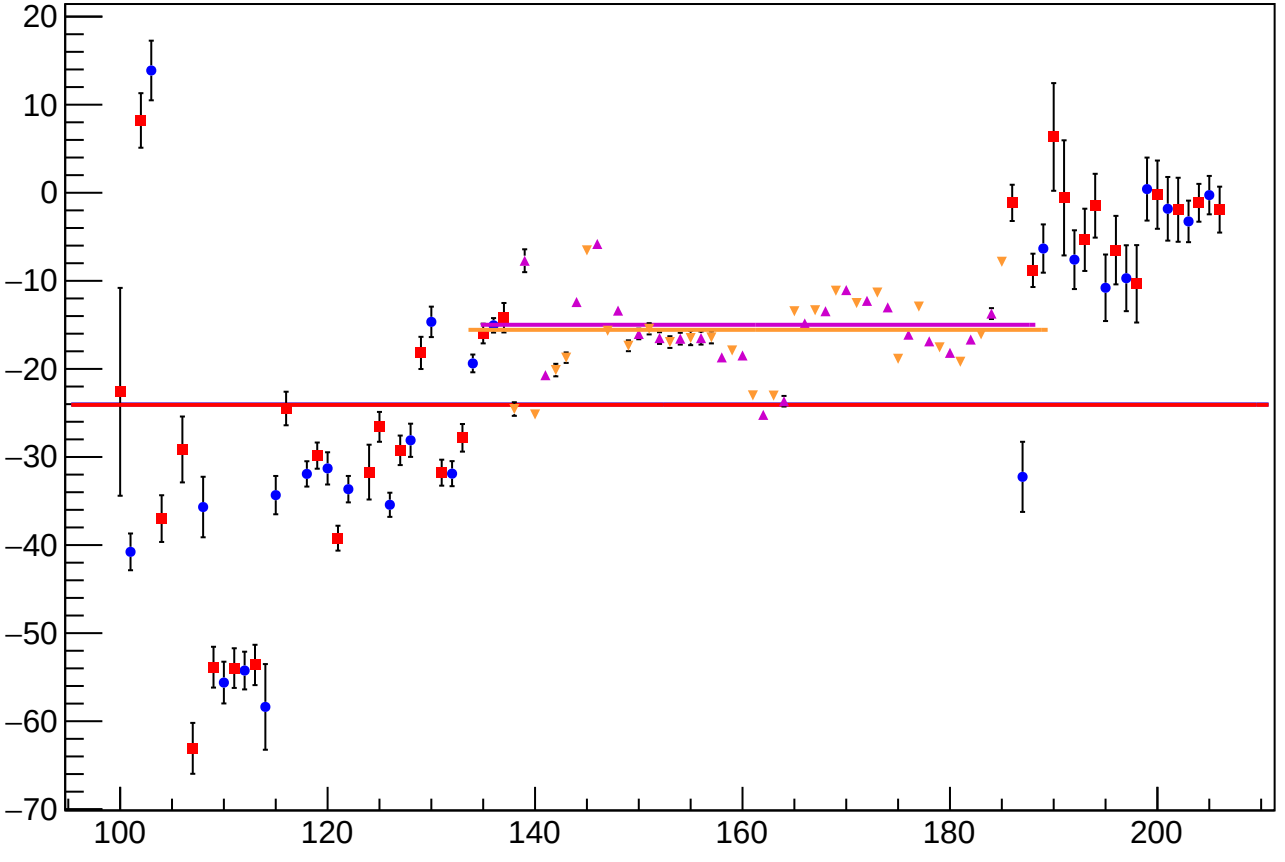
Left In: -40.665+/-0.102 χ^2/NDF:13541.3/22

+ sign -44.046+/-0.095 χ^2/NDF: 28779.0/49

All: -44.283+/-0.068 χ^2/NDF: 61301.0/103

- sign -44.528+/-0.097 χ^2/NDF: 32509.5/53

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -24.038+/-0.369 χ^2/NDF: 1390.5/24

Left Out: -15.562+/-0.089 χ^2/NDF:2549.5/24

Right Out: -24.079+/-0.386 χ^2/NDF: 1688.3/30

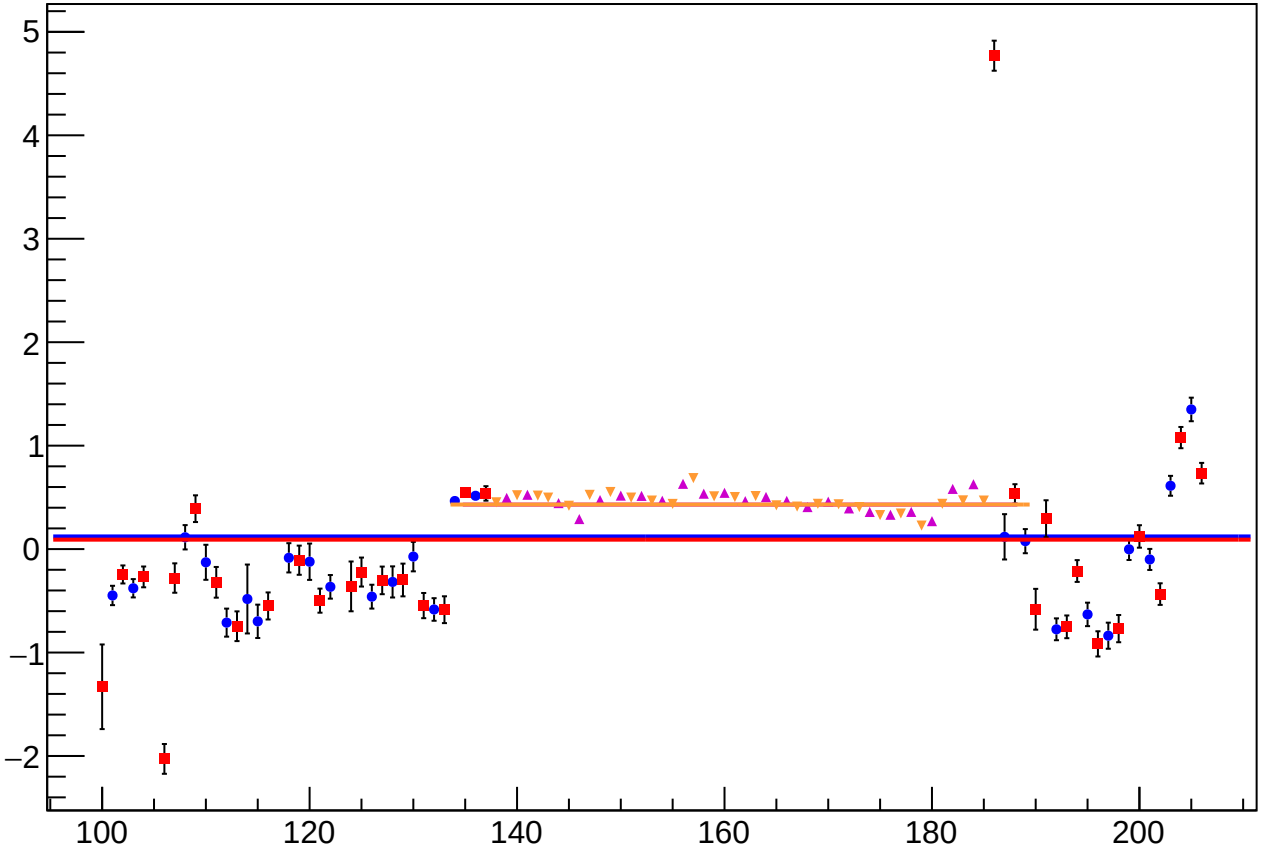
Left In: -14.990+/-0.090 χ^2/NDF:2150.9/22

+ sign -16.028+/-0.086 χ^2/NDF: 4439.9/49

All: -15.750+/-0.062 χ^2/NDF: 8827.0/103

- sign -15.462+/-0.088 χ^2/NDF: 4366.0/53

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.122+/-0.019 χ^2/NDF: 748.9/24

Left Out: 0.431+/-0.004 χ^2/NDF:418.4/24

Right Out: 0.091+/-0.020 χ^2/NDF: 1998.4/30

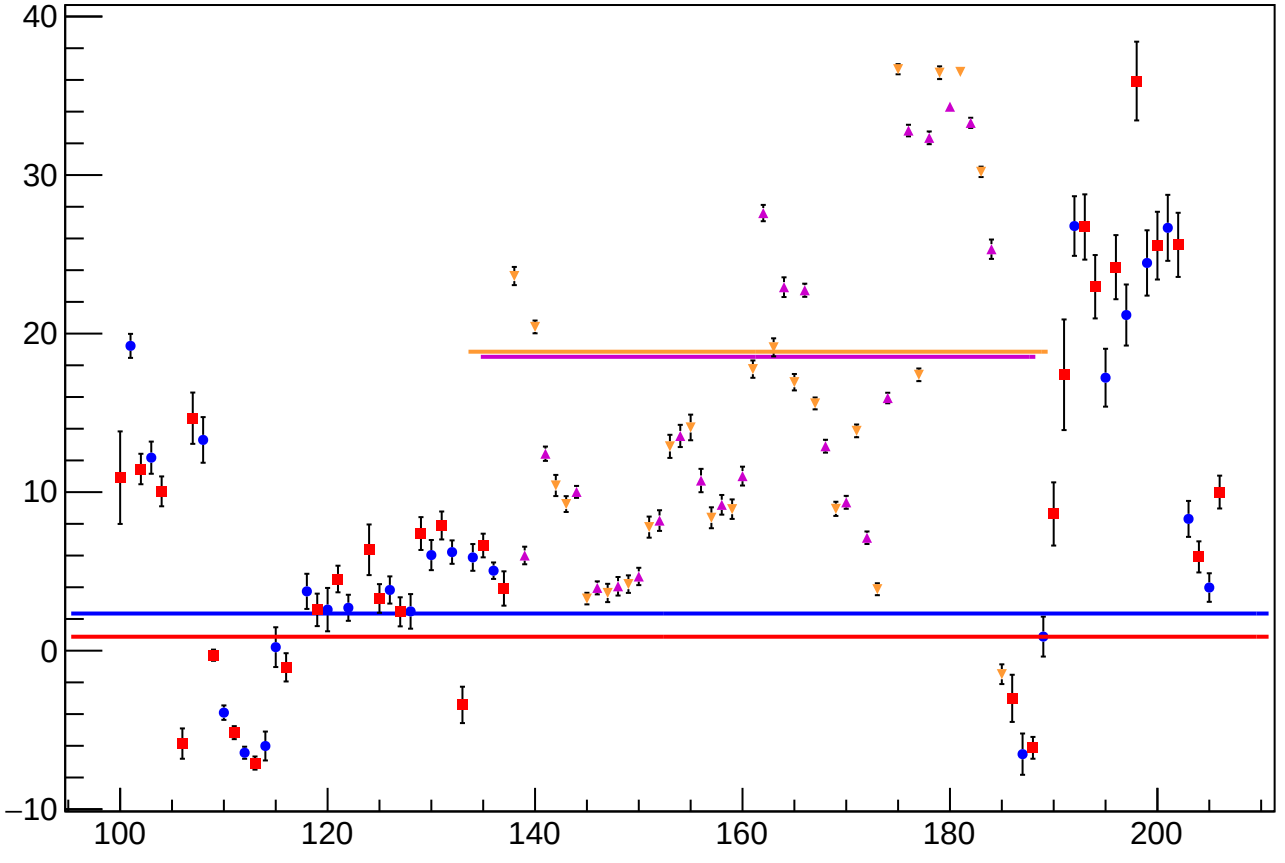
Left In: 0.430+/-0.004 χ^2/NDF:583.6/22

+ sign 0.417+/-0.004 χ^2/NDF: 1429.5/49

All: 0.417+/-0.003 χ^2/NDF: 4294.5/103

- sign 0.416+/-0.004 χ^2/NDF: 2865.0/53

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 2.343+/-0.171 χ^2/NDF: 2209.4/24

Left Out: 18.858+/-0.090 χ^2/NDF:18374.1/24

Right Out: 0.880+/-0.154 χ^2/NDF: 2327.4/30

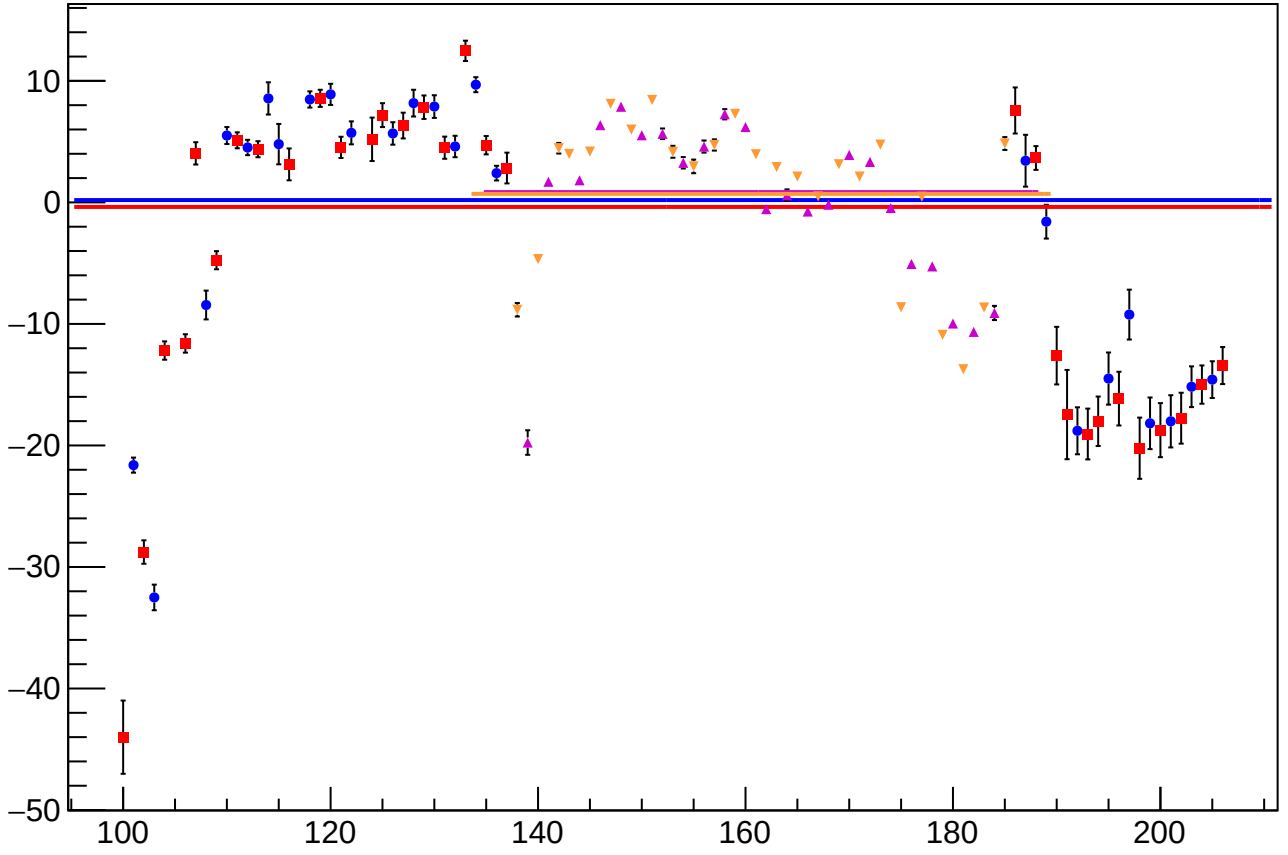
Left In: 18.535+/-0.093 χ^2/NDF:14066.0/22

+ sign 15.235+/-0.080 χ^2/NDF: 27902.5/49

All: 14.528+/-0.056 χ^2/NDF: 54027.5/103

- sign 13.821+/-0.080 χ^2/NDF: 25968.1/53

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: 0.191+/-0.193 χ^2/NDF: 3613.2/24

Left Out: 0.702+/-0.071 χ^2/NDF:8237.8/24

Right Out: -0.373+/-0.188 χ^2/NDF: 3064.1/30

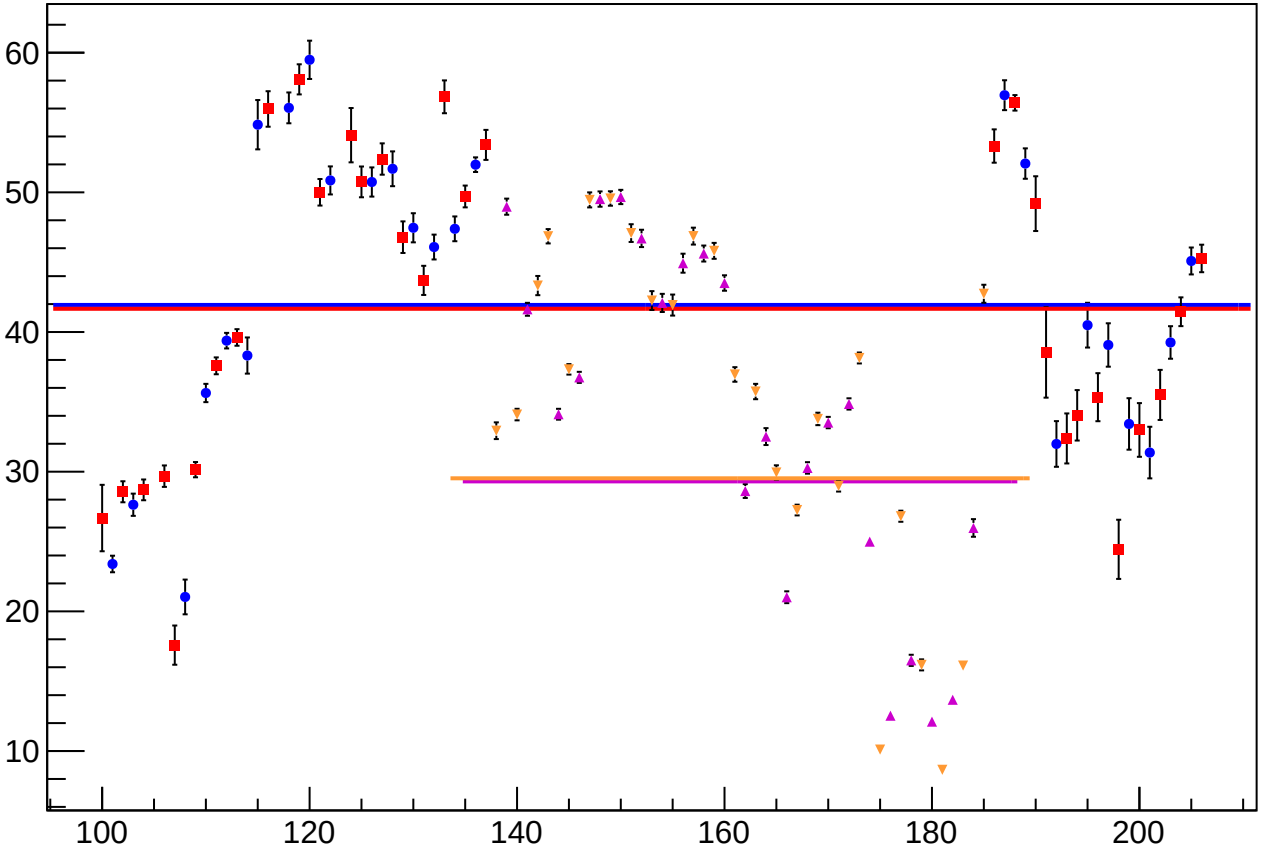
Left In: 0.847+/-0.072 χ^2/NDF:6045.4/22

+ sign 0.642+/-0.066 χ^2/NDF: 11857.2/49

All: 0.665+/-0.047 χ^2/NDF: 21003.5/103

- sign 0.690+/-0.068 χ^2/NDF: 9146.0/53

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 41.939+/-0.190 χ^2/NDF: 3147.1/24

Left Out: 29.526+/-0.091 χ^2/NDF:21083.7/24

Right Out: 41.663+/-0.176 χ^2/NDF: 3725.1/30

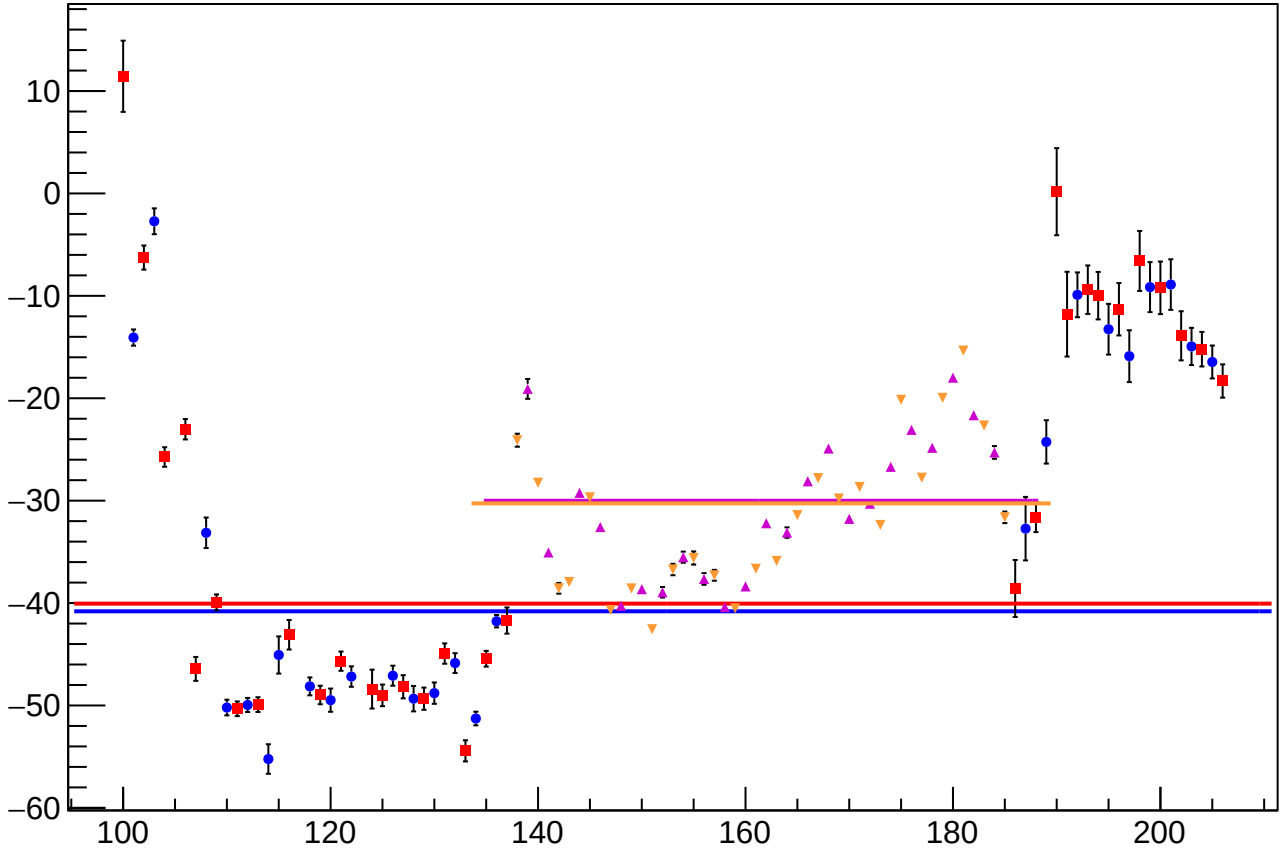
Left In: 29.306+/-0.093 χ^2/NDF:17870.3/22

+ sign 31.834+/-0.082 χ^2/NDF: 27721.8/49

All: 31.921+/-0.058 χ^2/NDF: 53176.0/103

- sign 32.010+/-0.082 χ^2/NDF: 25451.9/53

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -40.804+/-0.219 χ^2/NDF: 4357.4/24

Left Out: -30.268+/-0.079 χ^2/NDF:8500.0/24

Right Out: -40.053+/-0.216 χ^2/NDF: 4026.9/30

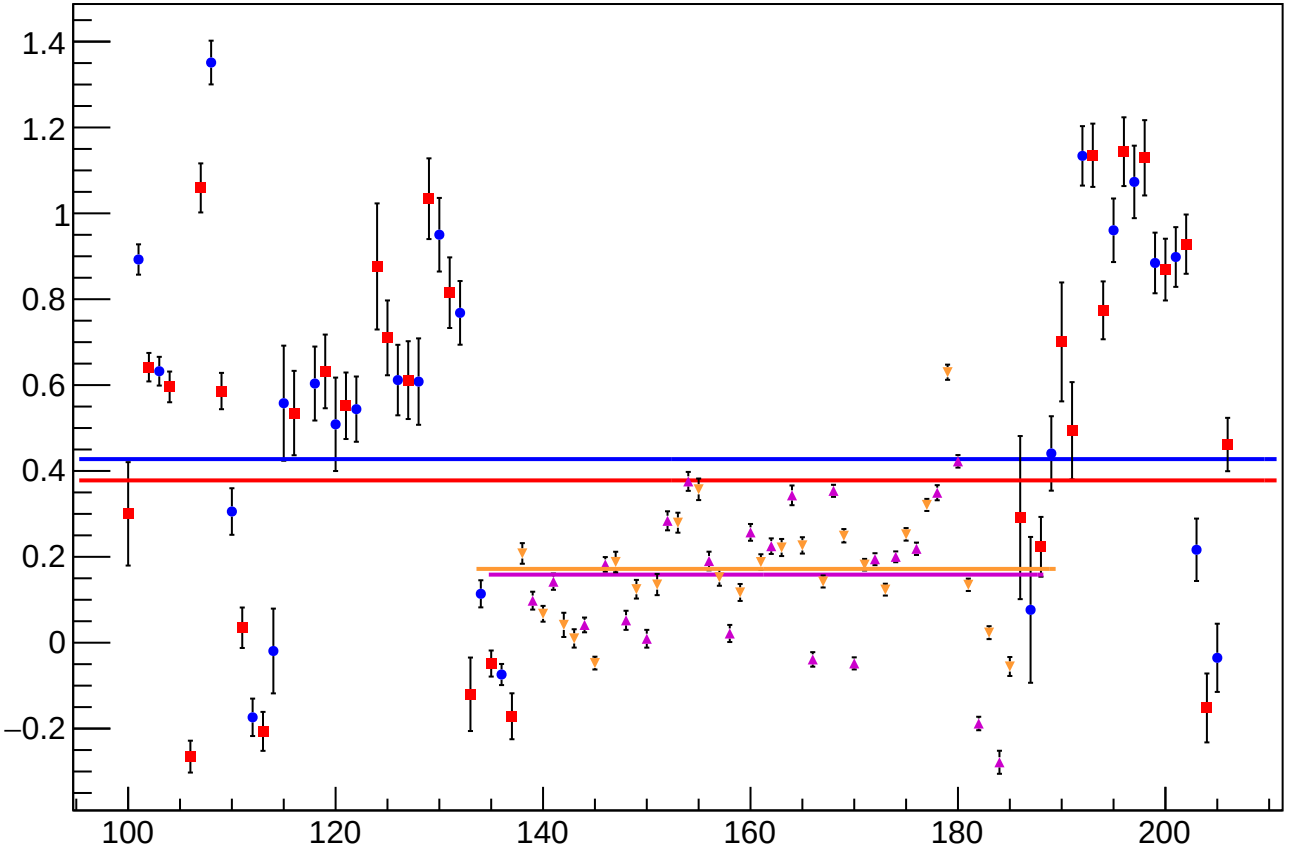
Left In: -30.012+/-0.081 χ^2/NDF:6083.1/22

+ sign -31.490+/-0.075 χ^2/NDF: 14907.7/49

All: -31.378+/-0.053 χ^2/NDF: 26918.7/103

- sign -31.260+/-0.076 χ^2/NDF: 12006.4/53

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.428+/-0.011 χ^2/NDF: 1693.5/24

Left Out: 0.172+/-0.004 χ^2/NDF:1501.3/24

Right Out: 0.378+/-0.011 χ^2/NDF: 1721.6/30

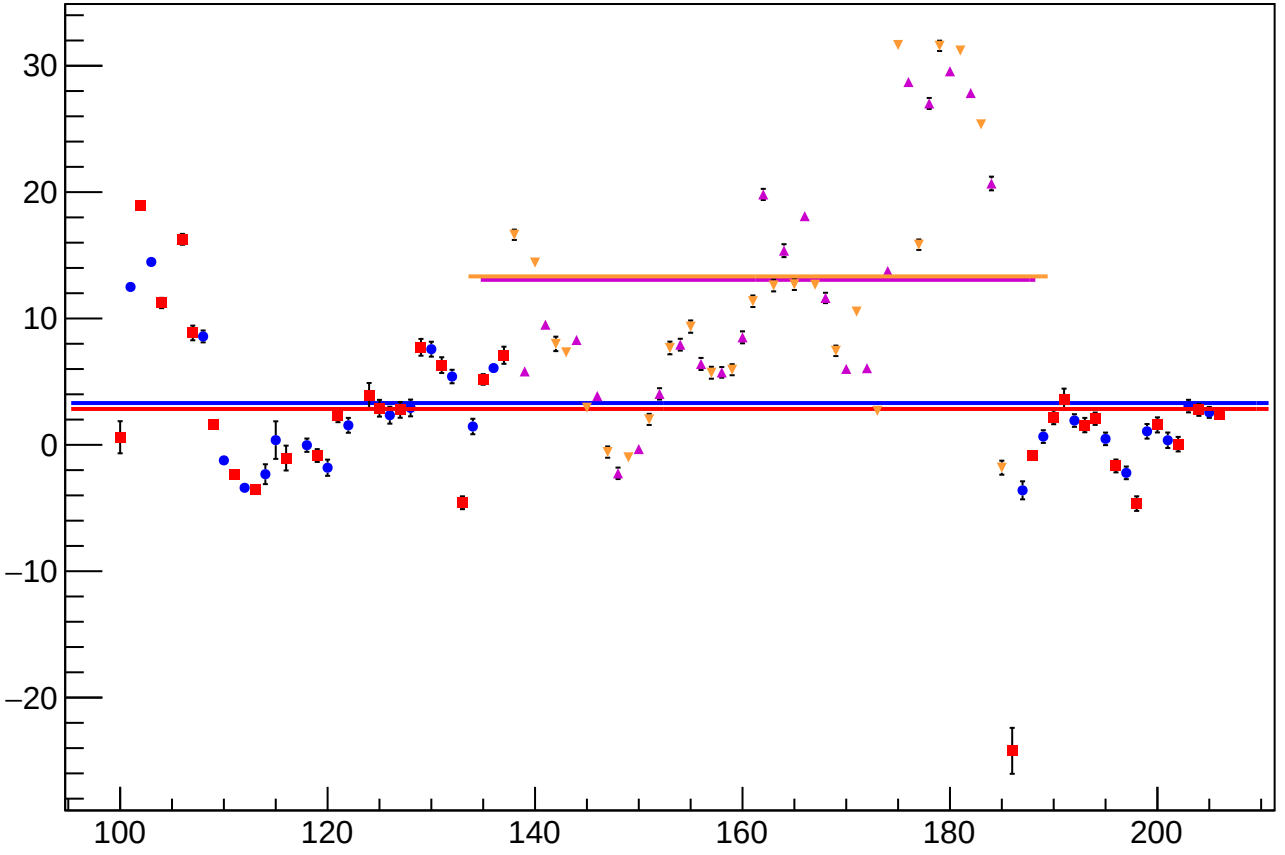
Left In: 0.159+/-0.004 χ^2/NDF:2187.4/22

+ sign 0.196+/-0.003 χ^2/NDF: 3679.1/49

All: 0.189+/-0.002 χ^2/NDF: 7973.1/103

- sign 0.181+/-0.003 χ^2/NDF: 4284.7/53

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 3.308+/-0.097 χ^2/NDF: 3038.7/24

Left Out: 13.331+/-0.077 χ^2/NDF:19432.7/24

Right Out: 2.841+/-0.086 χ^2/NDF: 5107.5/30

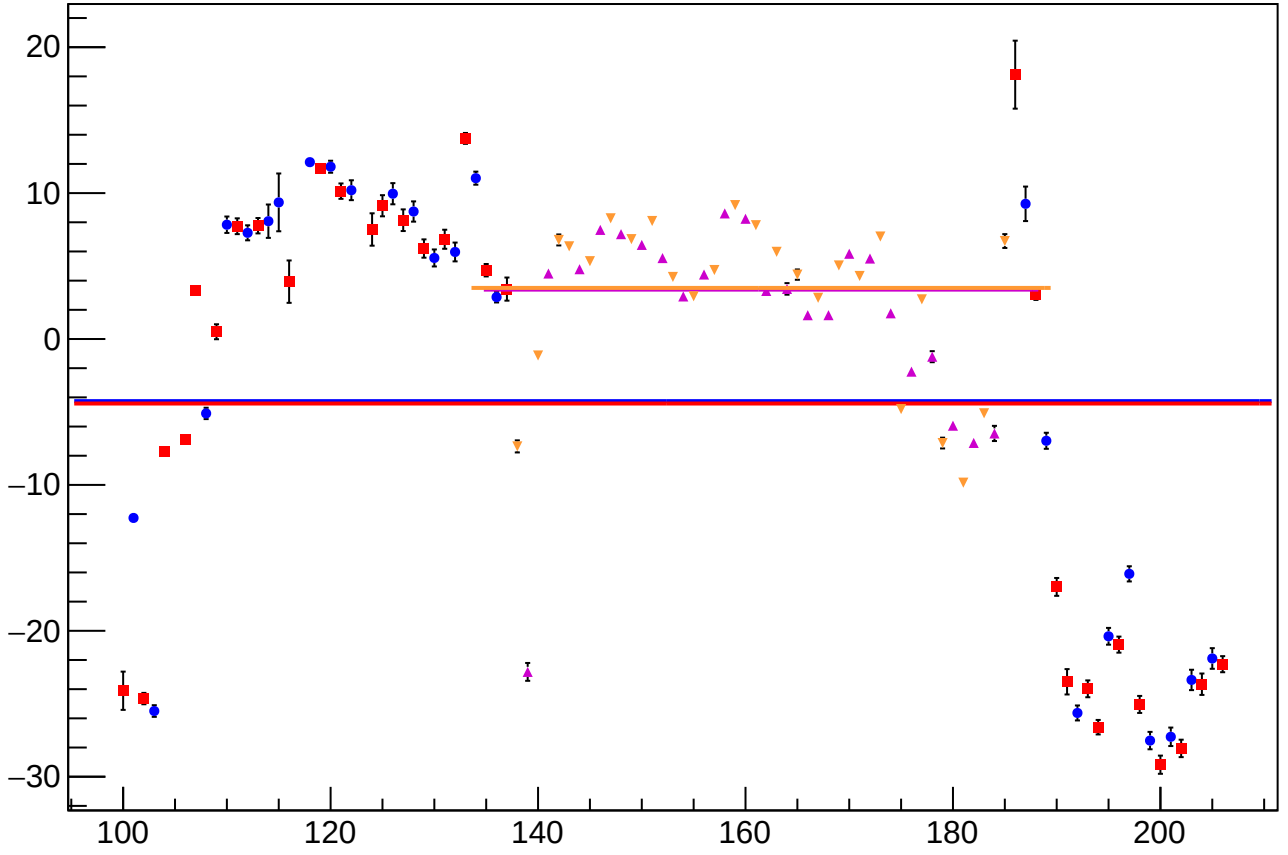
Left In: 13.061+/-0.079 χ^2/NDF:15559.8/22

+ sign 9.477+/-0.060 χ^2/NDF: 29026.0/49

All: 8.897+/-0.042 χ^2/NDF: 57516.1/103

- sign 8.355+/-0.058 χ^2/NDF: 28311.1/53

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -4.258+/-0.101 χ^2/NDF: 19697.4/24

Left Out: 3.502+/-0.059 χ^2/NDF:7911.7/24

Right Out: -4.422+/-0.093 χ^2/NDF: 23776.8/30

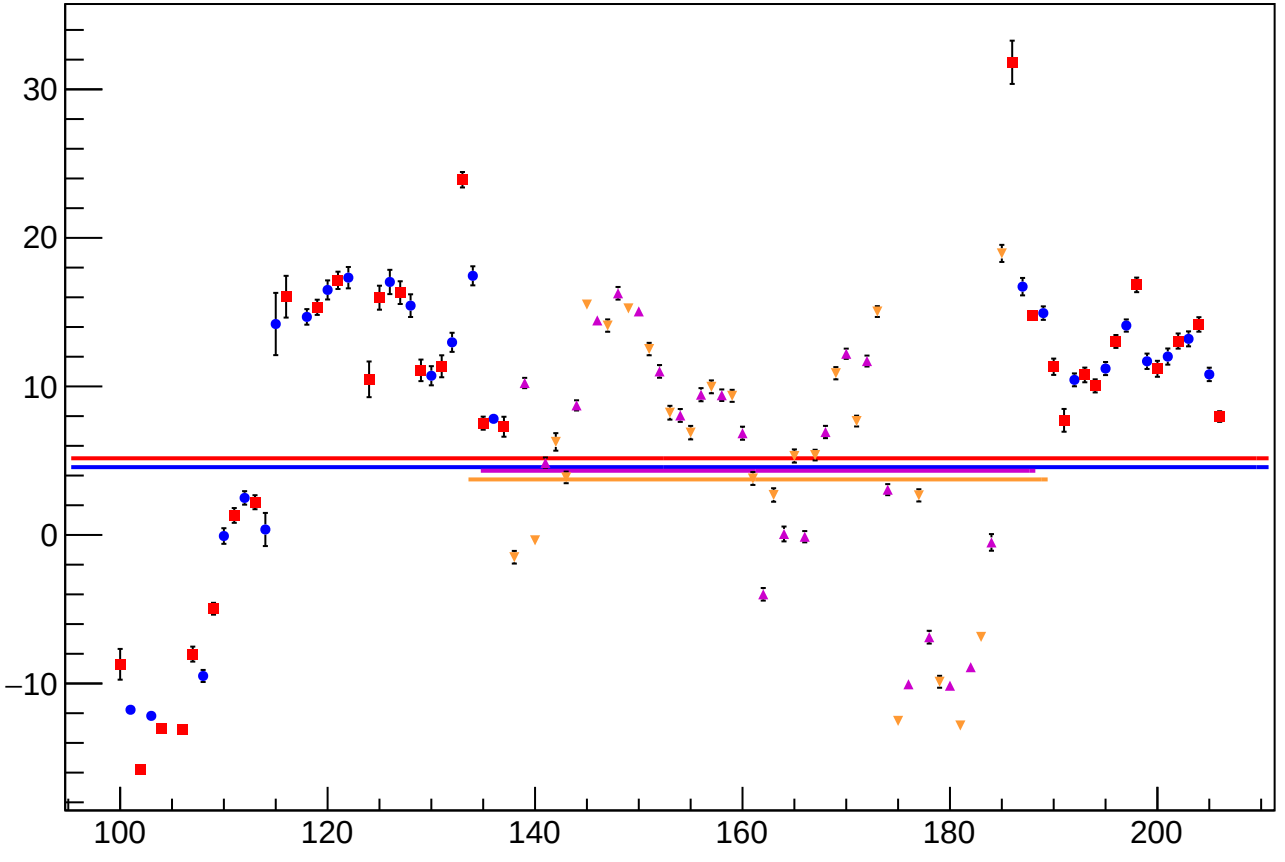
Left In: 3.385+/-0.061 χ^2/NDF:6707.6/22

+ sign 1.546+/-0.051 χ^2/NDF: 32036.1/49

All: 1.290+/-0.036 χ^2/NDF: 67511.4/103

- sign 1.030+/-0.051 χ^2/NDF: 35423.9/53

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 4.565+/-0.095 χ^2/NDF: 13516.2/24

Left Out: 3.738+/-0.076 χ^2/NDF:15586.7/24

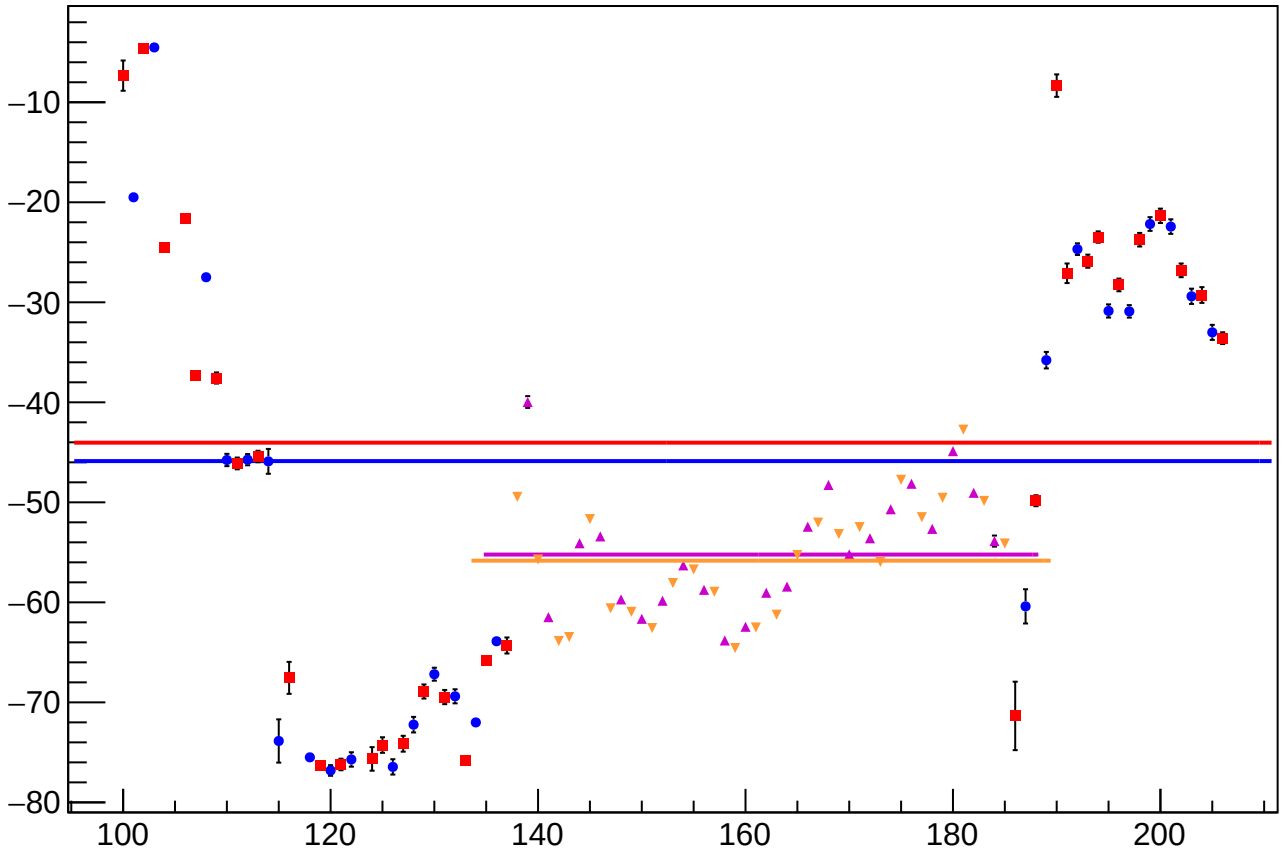
Right Out: 5.162+/-0.084 χ^2/NDF: 19978.0/30

Left In: 4.322+/-0.079 χ^2/NDF:12483.3/22

+ sign 4.062+/-0.060 χ^2/NDF: 29148.8/49

All: 4.400+/-0.041 χ^2/NDF: 61725.5/103

- sign 4.714+/-0.057 χ^2/NDF: 32514.6/53



Right In: -45.876+/-0.118 χ^2/NDF: 40967.0/24

Left Out: -55.832+/-0.066 χ^2/NDF:7592.5/24

Right Out: -44.034+/-0.110 χ^2/NDF: 43340.3/30

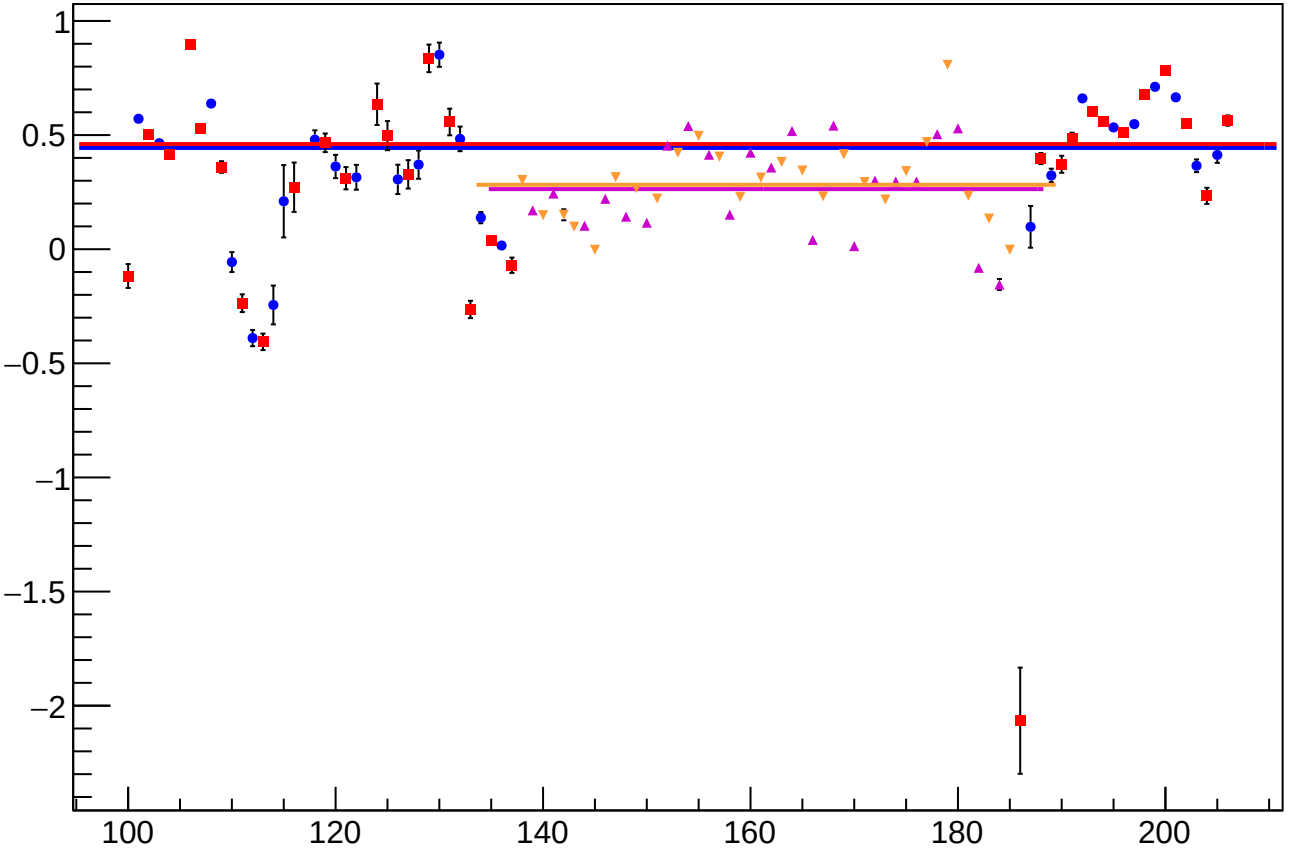
Left In: -55.222+/-0.069 χ^2/NDF:6343.0/22

+ sign -53.452+/-0.058 χ^2/NDF: 53943.8/49

All: -52.774+/-0.041 χ^2/NDF: 111332.9/103

- sign -52.087+/-0.058 χ^2/NDF: 57113.1/53

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.444+/-0.005 χ^2/NDF: 2556.1/24

Left Out: 0.282+/-0.003 χ^2/NDF:2712.4/24

Right Out: 0.461+/-0.004 χ^2/NDF: 3649.7/30

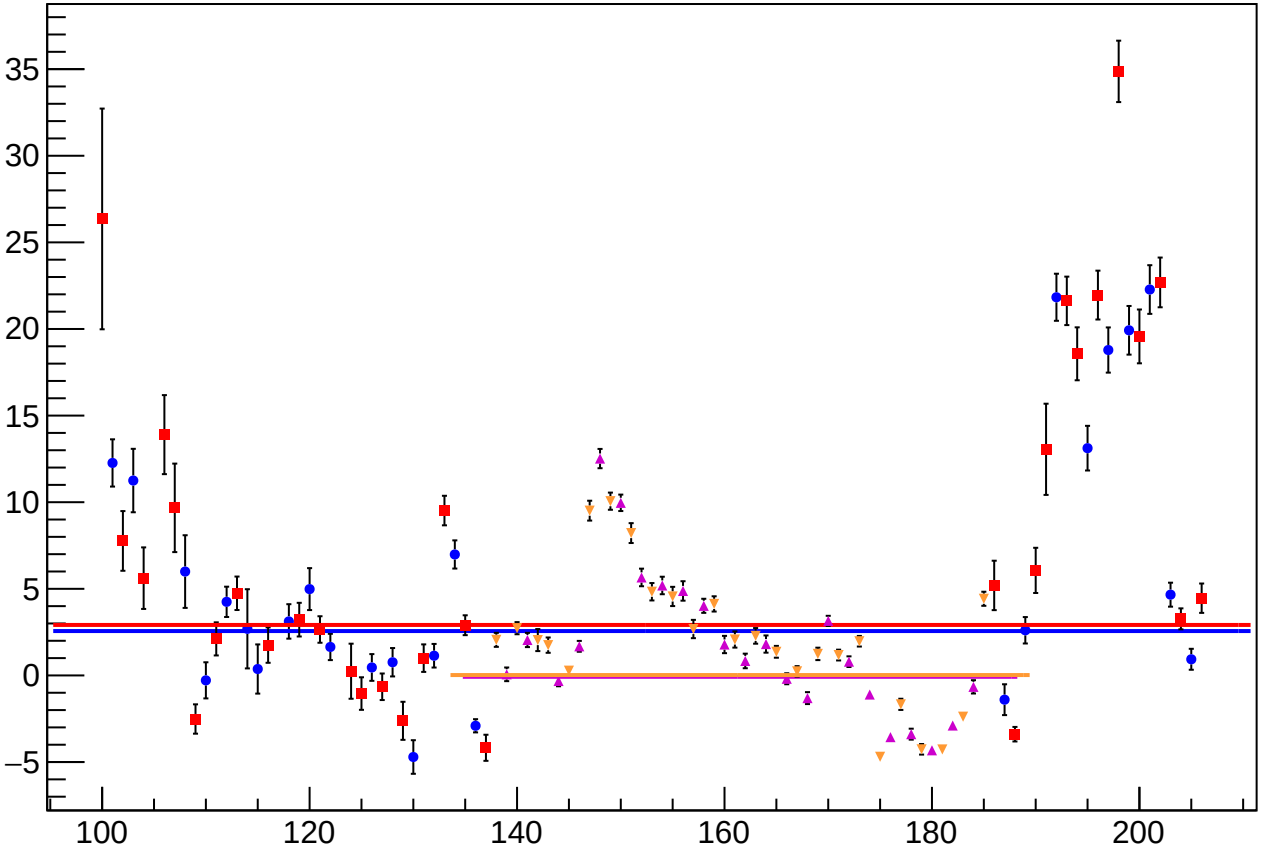
Left In: 0.263+/-0.003 χ^2/NDF:3835.8/22

+ sign 0.325+/-0.003 χ^2/NDF: 6055.1/49

All: 0.325+/-0.002 χ^2/NDF: 14864.3/103

- sign 0.325+/-0.003 χ^2/NDF: 8809.2/53

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 2.562+/-0.175 χ^2/NDF: 1211.6/24

Left Out: 0.022+/-0.069 χ^2/NDF:2759.3/24

Right Out: 2.914+/-0.172 χ^2/NDF: 1671.5/30

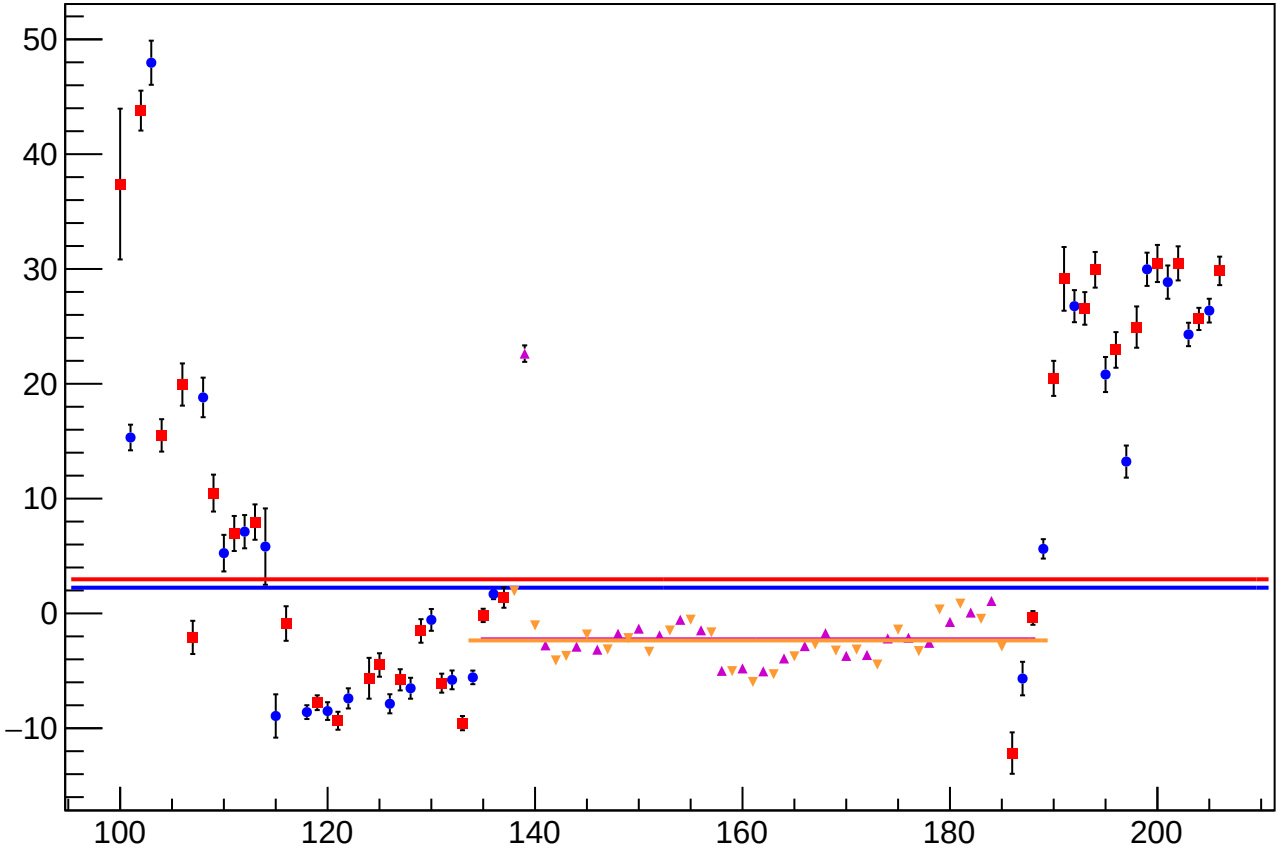
Left In: -0.080+/-0.071 χ^2/NDF:2464.5/22

+ sign 0.360+/-0.064 χ^2/NDF: 4153.8/49

All: 0.357+/-0.046 χ^2/NDF: 8549.2/103

- sign 0.353+/-0.065 χ^2/NDF: 4395.3/53

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 2.240+/-0.190 χ^2/NDF: 4284.6/24

Left Out: -2.352+/-0.055 χ^2/NDF:1125.6/24

Right Out: 2.972+/-0.193 χ^2/NDF: 4941.0/30

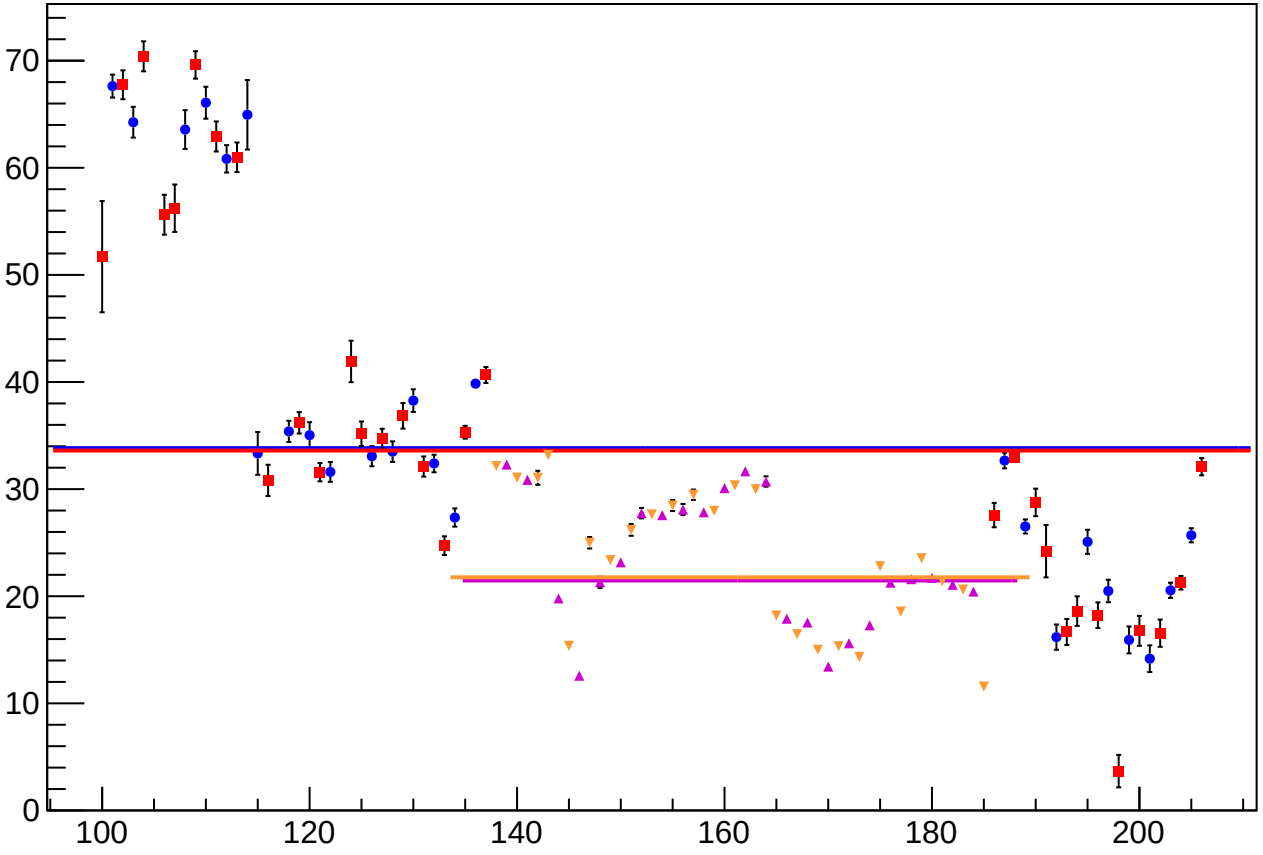
Left In: -2.257+/-0.056 χ^2/NDF:1877.2/22

+ sign -1.996+/-0.053 χ^2/NDF: 5949.8/49

All: -1.922+/-0.038 χ^2/NDF: 13450.7/103

- sign -1.844+/-0.054 χ^2/NDF: 7496.9/53

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 33.824+/-0.180 χ^2/NDF: 4580.7/24

Left Out: 21.768+/-0.069 χ^2/NDF:6814.2/24

Right Out: 33.602+/-0.172 χ^2/NDF: 5088.6/30

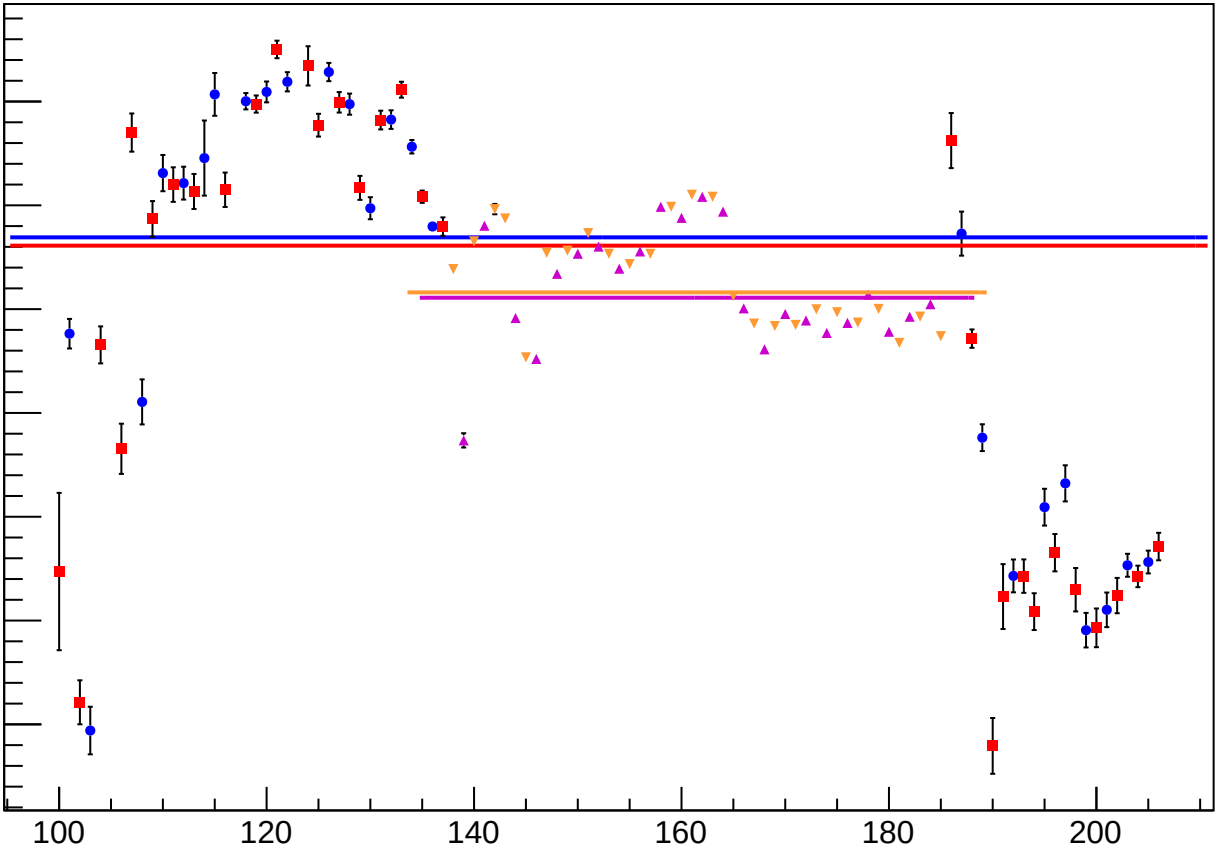
Left In: 21.472+/-0.071 χ^2/NDF:5787.4/22

+ sign 23.305+/-0.064 χ^2/NDF: 15302.7/49

All: 23.262+/-0.046 χ^2/NDF: 30425.3/103

- sign 23.217+/-0.065 χ^2/NDF: 15121.7/53

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



Right In: 46.916+/-0.214 χ^2/NDF: 5830.4/24

Left Out: 41.613+/-0.061 χ^2/NDF:5776.0/24

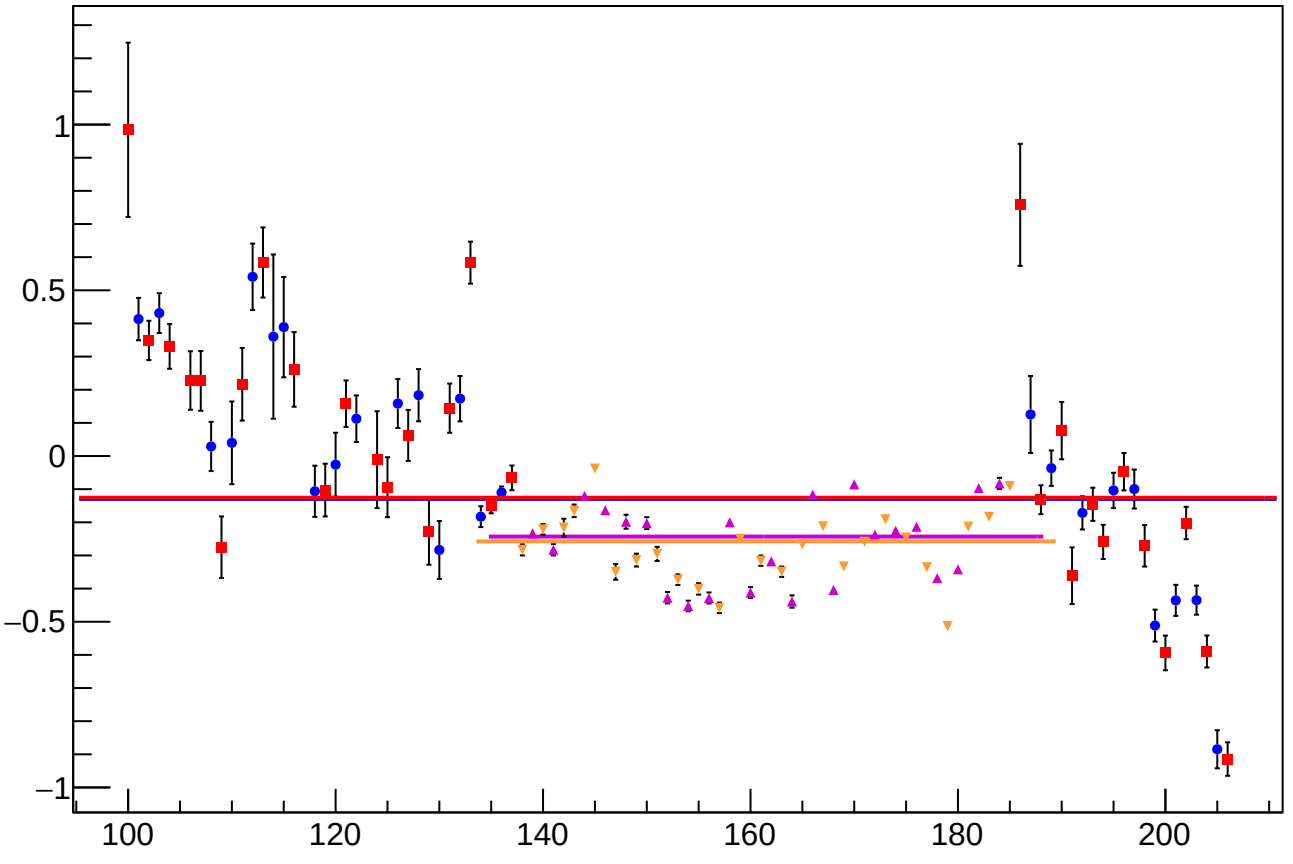
Right Out: 46.116+/-0.222 χ^2/NDF: 6501.9/30

Left In: 41.098+/-0.063 χ^2/NDF:5478.0/22

+ sign 42.013+/-0.059 χ^2/NDF: 12171.7/49

All: 41.747+/-0.042 χ^2/NDF: 24666.4/103

- sign 41.468+/-0.060 χ^2/NDF: 12452.8/53



Right In: -0.129+/-0.010 χ^2/NDF: 632.7/24

Left Out: -0.258+/-0.003 χ^2/NDF:1515.1/24

Right Out: -0.126+/-0.011 χ^2/NDF: 863.6/30

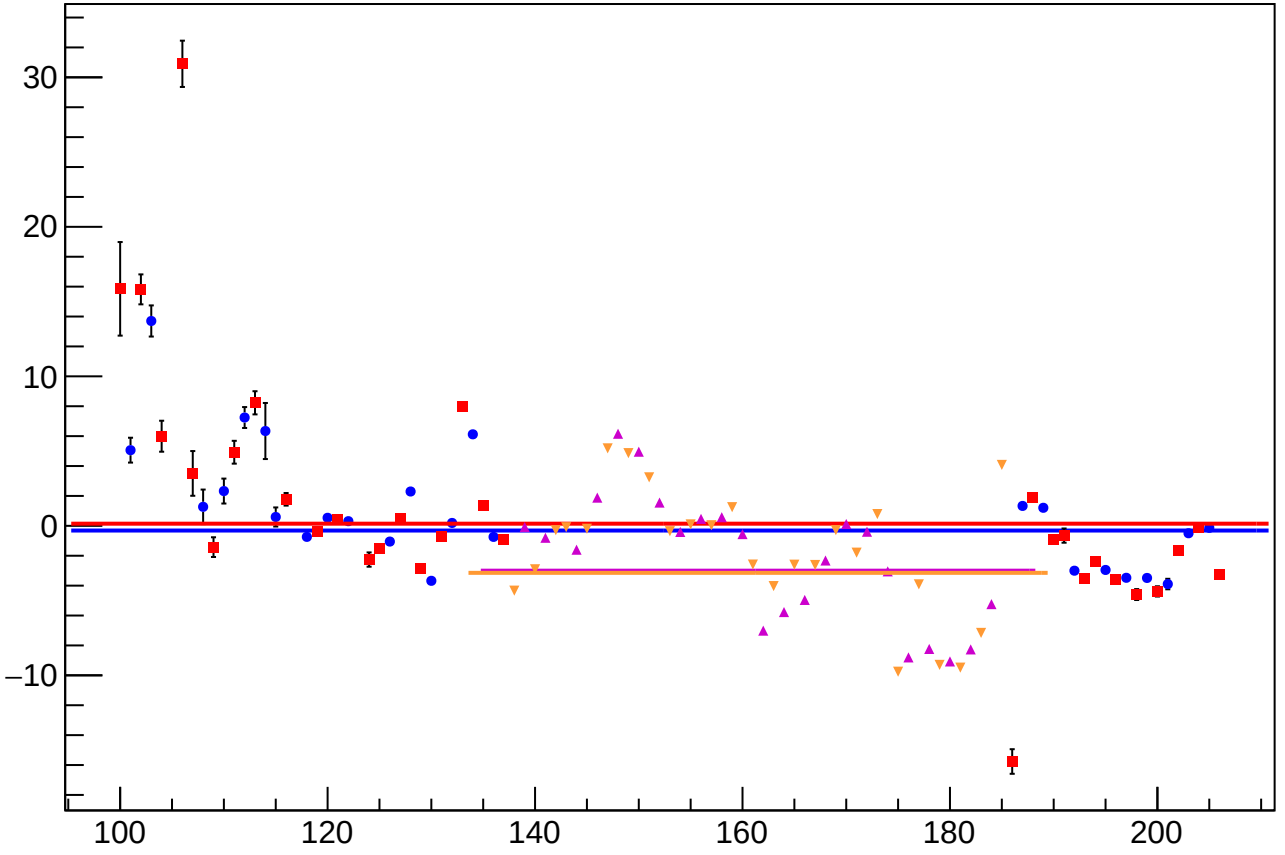
Left In: -0.243+/-0.003 χ^2/NDF:1811.8/22

+ sign -0.249+/-0.003 χ^2/NDF: 2290.7/49

All: -0.243+/-0.002 χ^2/NDF: 5091.2/103

- sign -0.236+/-0.003 χ^2/NDF: 2787.2/53

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -0.315+/-0.056 χ^2/NDF: 1744.6/24

Left Out: -3.144+/-0.028 χ^2/NDF:25358.6/24

Right Out: 0.144+/-0.052 χ^2/NDF: 4411.0/30

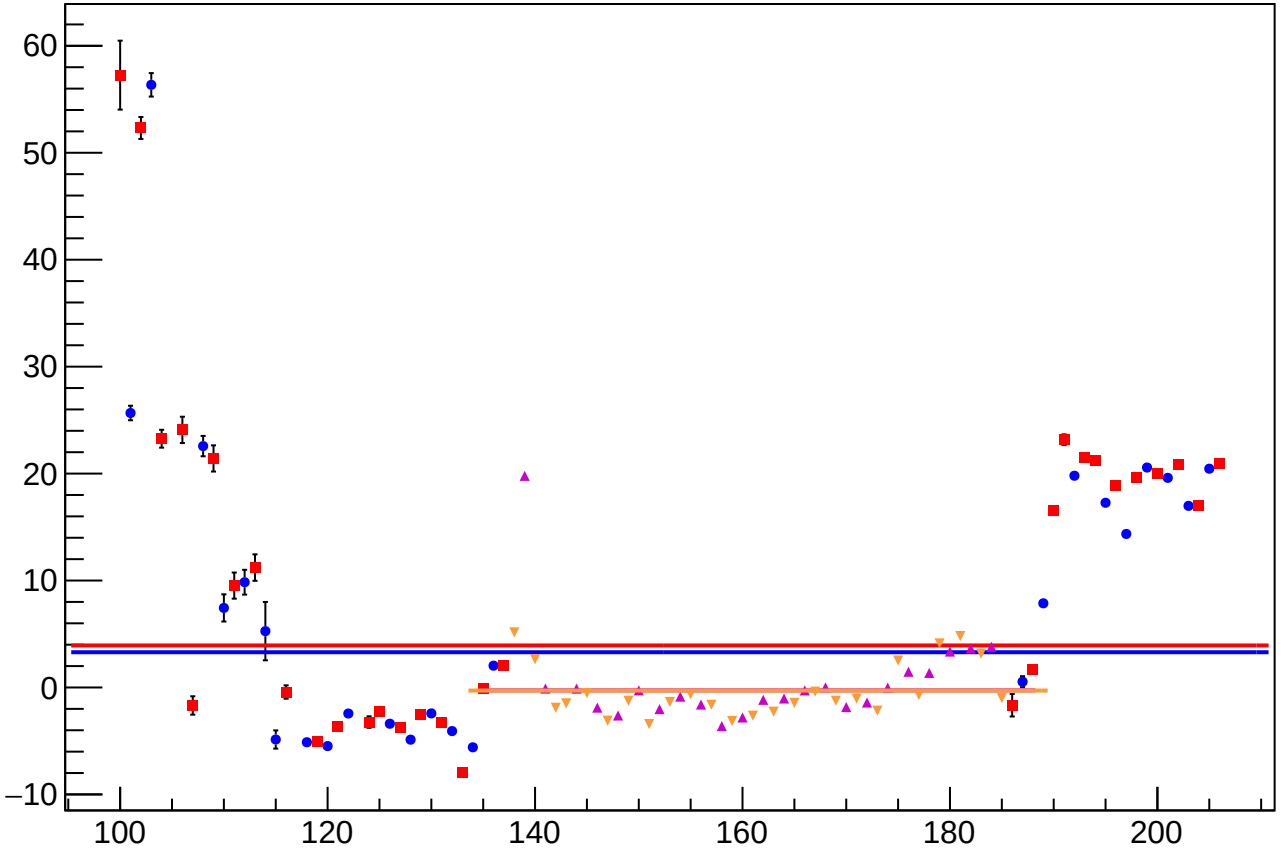
Left In: -2.999+/-0.028 χ^2/NDF:22425.0/22

+ sign -2.590+/-0.025 χ^2/NDF: 29144.5/49

All: -2.428+/-0.018 χ^2/NDF: 58912.6/103

- sign -2.265+/-0.025 χ^2/NDF: 29683.3/53

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



Right In: 3.296+/-0.058 χ^2/NDF: 32143.6/24

Left Out: -0.288+/-0.022 χ^2/NDF:12198.2/24

Right Out: 3.930+/-0.055 χ^2/NDF: 43333.4/30

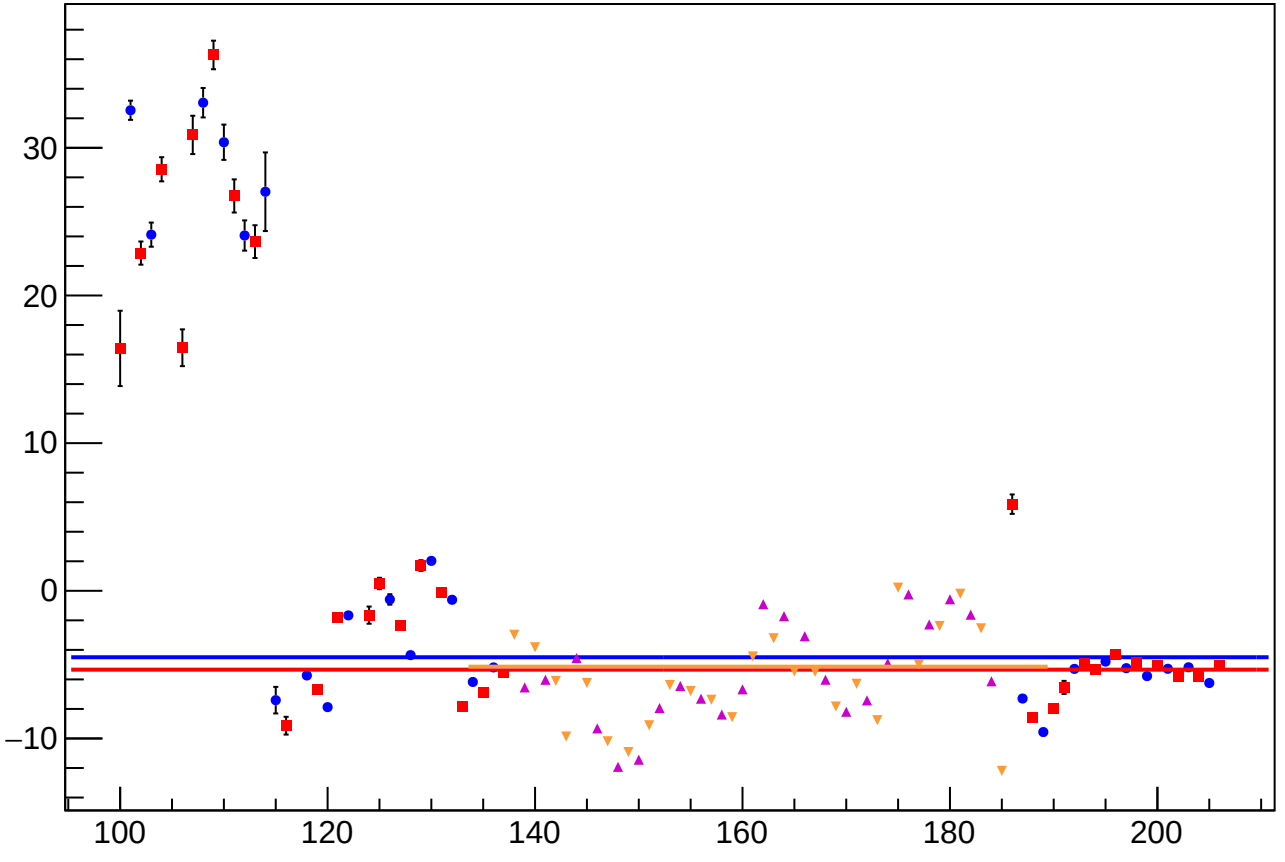
Left In: -0.271+/-0.022 χ^2/NDF:13220.8/22

+ sign 0.152+/-0.020 χ^2/NDF: 47654.2/49

All: 0.236+/-0.015 χ^2/NDF: 109260.3/103

- sign 0.323+/-0.021 χ^2/NDF: 61571.4/53

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



Right In: -4.499+/-0.056 χ^2/NDF: 9513.9/24

Left Out: -5.138+/-0.028 χ^2/NDF:14626.0/24

Right Out: -5.339+/-0.050 χ^2/NDF: 10493.7/30

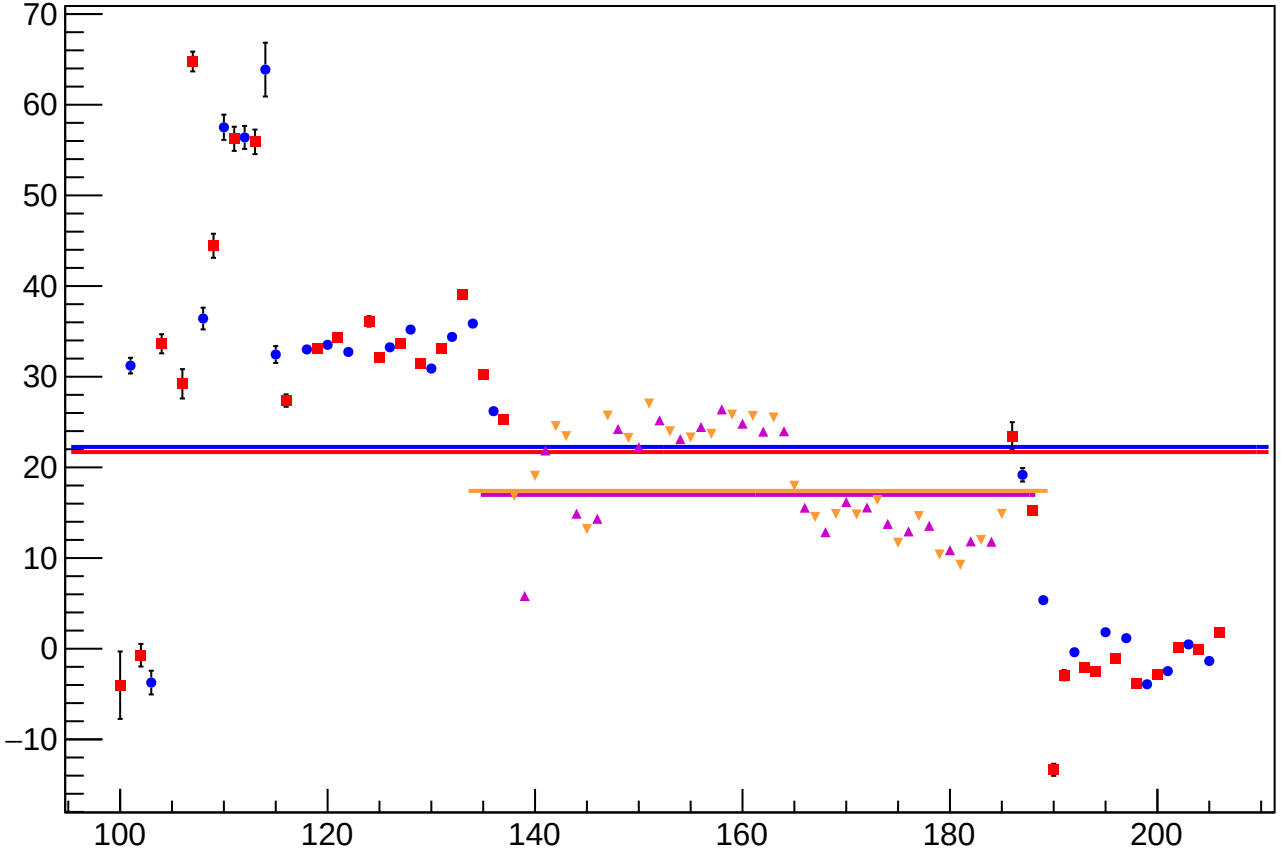
Left In: -5.177+/-0.028 χ^2/NDF:13963.7/22

+ sign -5.013+/-0.025 χ^2/NDF: 24243.3/49

All: -5.116+/-0.018 χ^2/NDF: 48742.8/103

- sign -5.217+/-0.025 χ^2/NDF: 24465.5/53

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 22.256+/-0.067 χ^2/NDF: 50840.7/24

Left Out: 17.409+/-0.024 χ^2/NDF:50630.8/24

Right Out: 21.690+/-0.064 χ^2/NDF: 67413.1/30

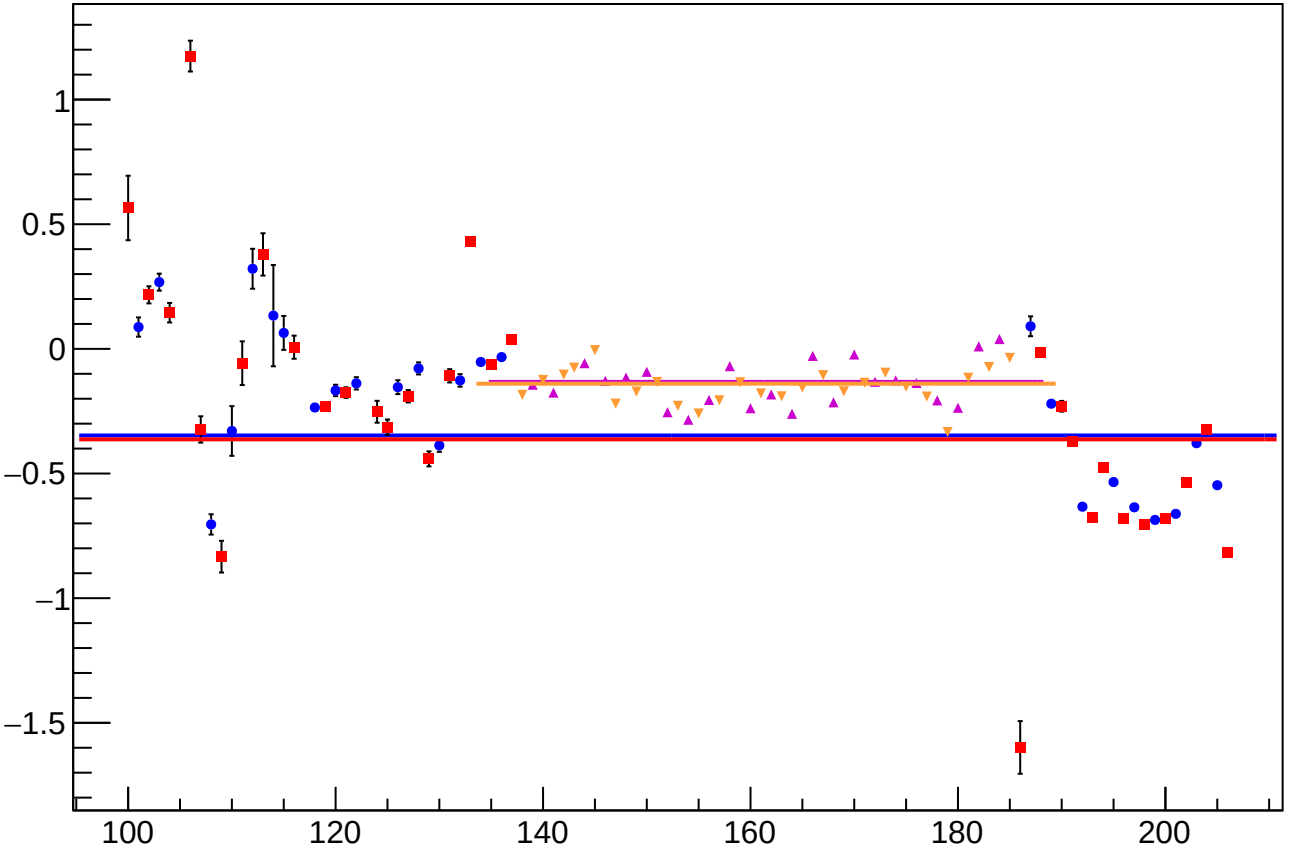
Left In: 16.967+/-0.025 χ^2/NDF:39939.4/22

+ sign 17.971+/-0.023 χ^2/NDF: 106032.1/49

All: 17.781+/-0.016 χ^2/NDF: 218189.5/103

- sign 17.585+/-0.023 χ^2/NDF: 112018.2/53

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.347+/-0.003 χ^2/NDF: 7302.6/24

Left Out: -0.140+/-0.001 χ^2/NDF:4108.2/24

Right Out: -0.363+/-0.003 χ^2/NDF: 12738.9/30

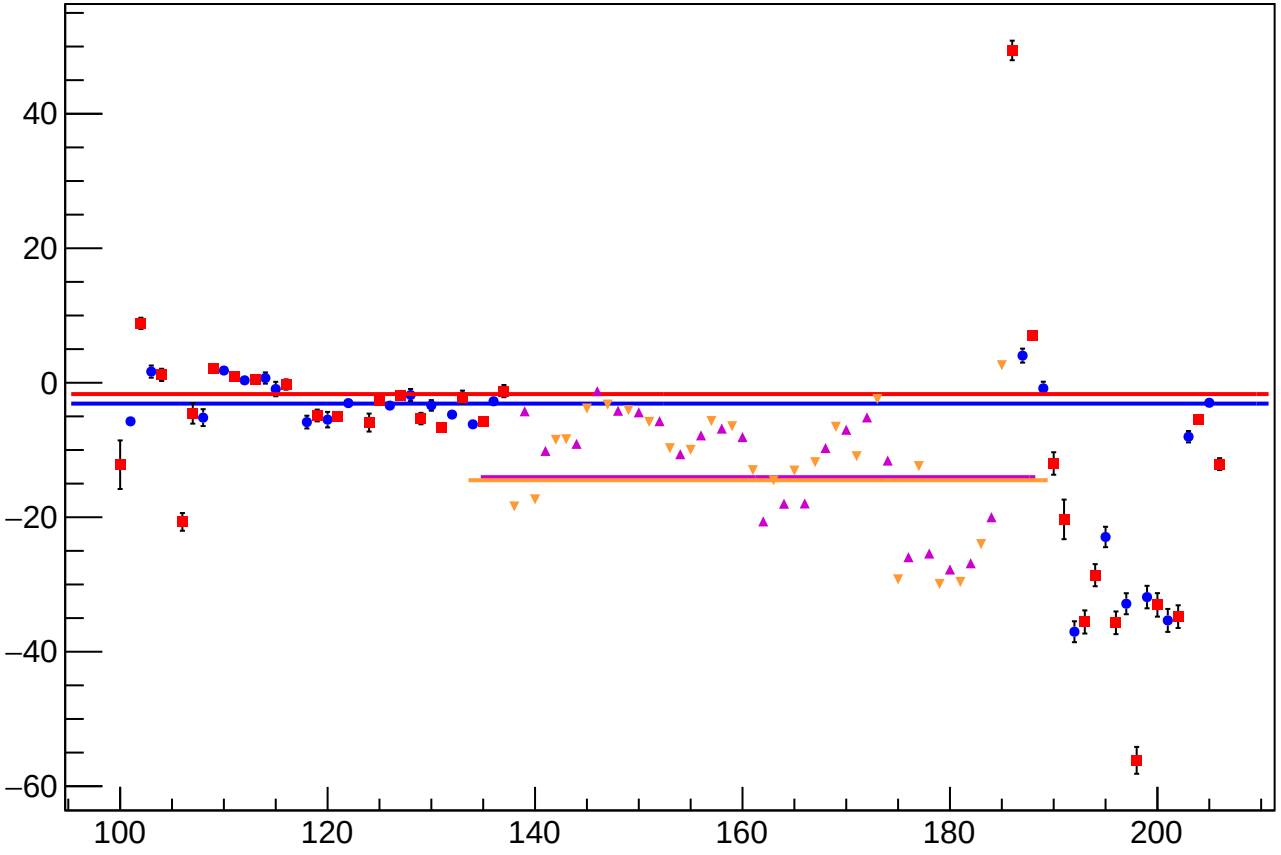
Left In: -0.133+/-0.001 χ^2/NDF:5529.7/22

+ sign -0.162+/-0.001 χ^2/NDF: 15311.0/49

All: -0.162+/-0.001 χ^2/NDF: 38985.0/103

- sign -0.161+/-0.001 χ^2/NDF: 23673.8/53

reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -3.102+/-0.145 χ^2/NDF: 2113.4/24

Left Out: -14.494+/-0.075 χ^2/NDF:17232.7/24

Right Out: -1.685+/-0.135 χ^2/NDF: 5032.7/30

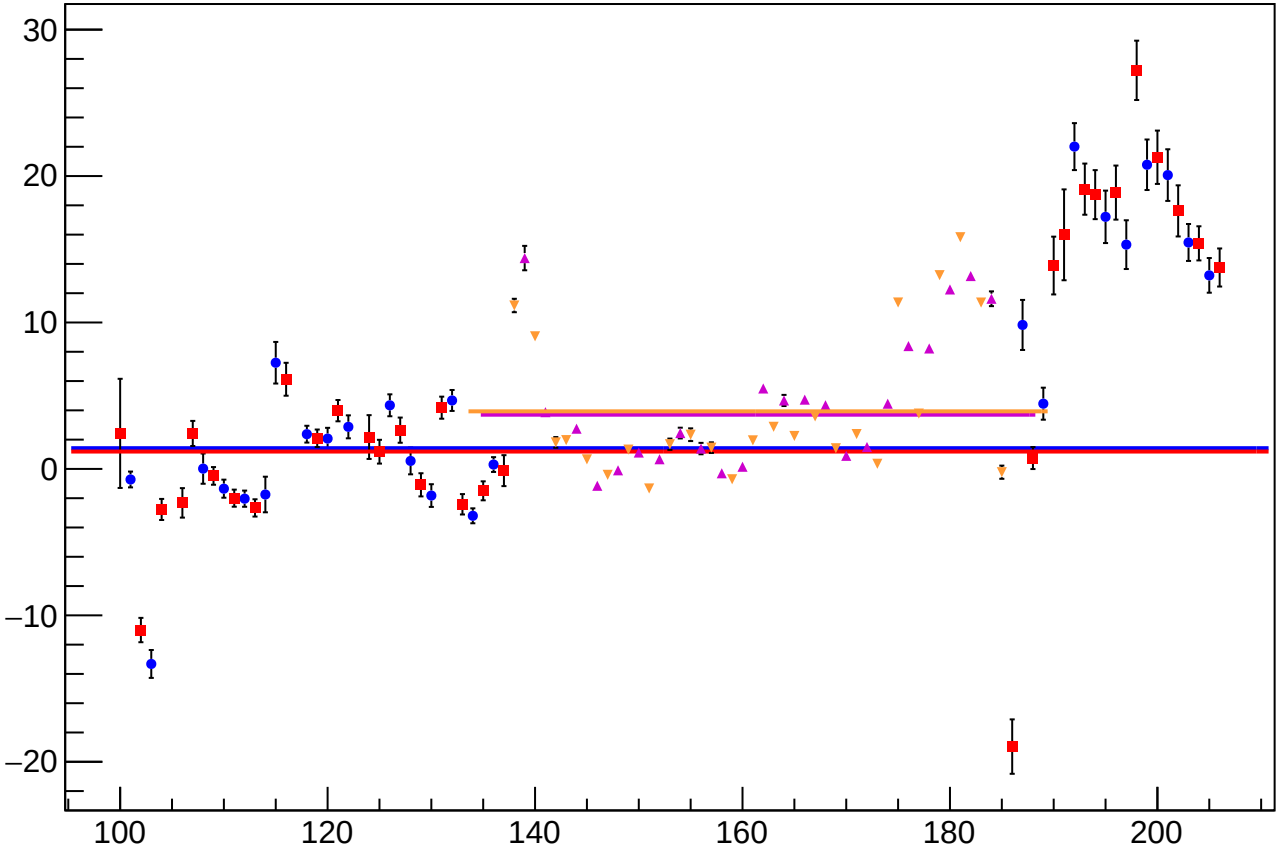
Left In: -14.038+/-0.077 χ^2/NDF:13482.5/22

+ sign -12.090+/-0.066 χ^2/NDF: 24245.9/49

All: -11.551+/-0.047 χ^2/NDF: 49240.3/103

- sign -11.006+/-0.067 χ^2/NDF: 24861.9/53

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 1.416+/-0.163 χ^2/NDF: 1293.2/24

Left Out: 3.932+/-0.058 χ^2/NDF:6979.2/24

Right Out: 1.186+/-0.163 χ^2/NDF: 1555.3/30

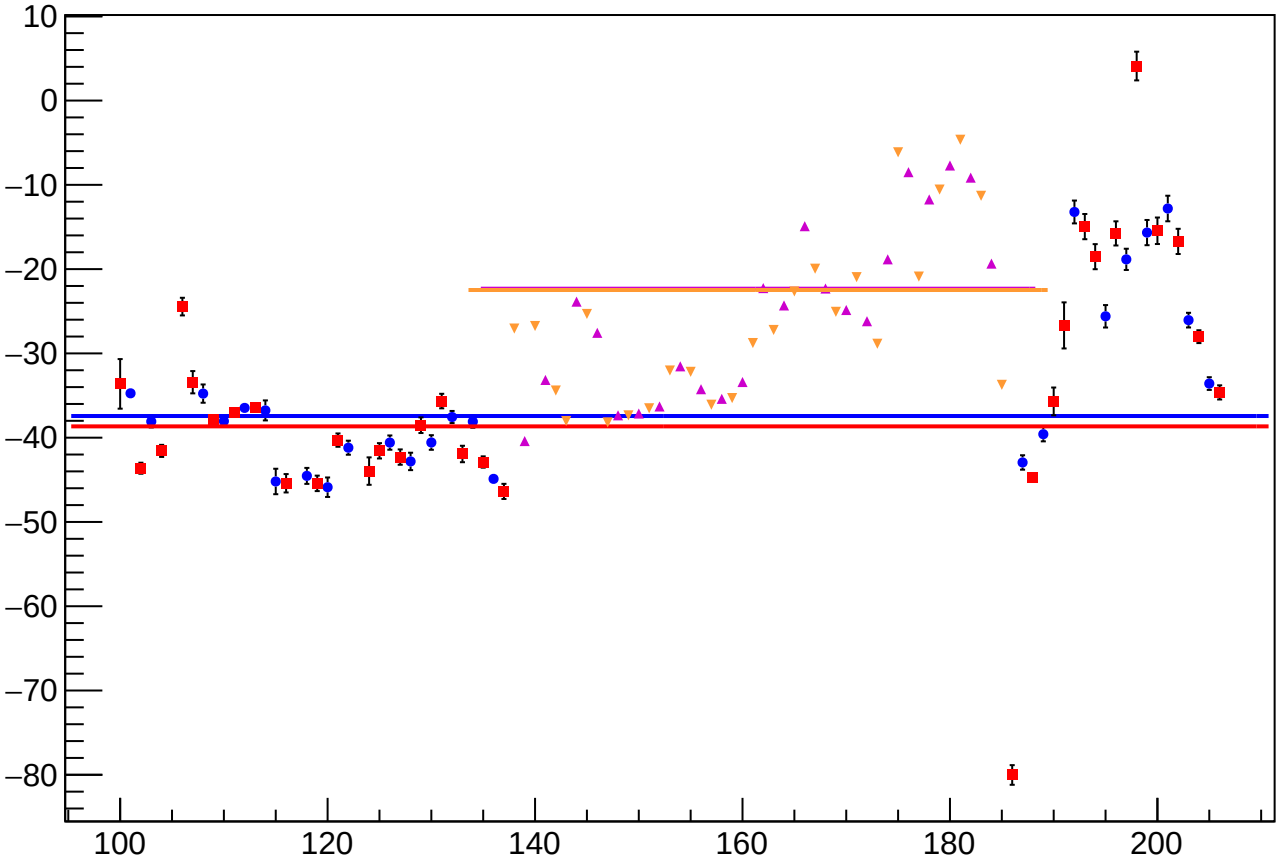
Left In: 3.703+/-0.059 χ^2/NDF:4788.5/22

+ sign 3.650+/-0.055 χ^2/NDF: 8484.0/49

All: 3.533+/-0.039 χ^2/NDF: 15046.8/103

- sign 3.410+/-0.056 χ^2/NDF: 6553.4/53

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -37.430+/-0.160 χ^2/NDF: 1874.1/24

Left Out: -22.478+/-0.075 χ^2/NDF:20417.4/24

Right Out: -38.659+/-0.153 χ^2/NDF: 4034.0/30

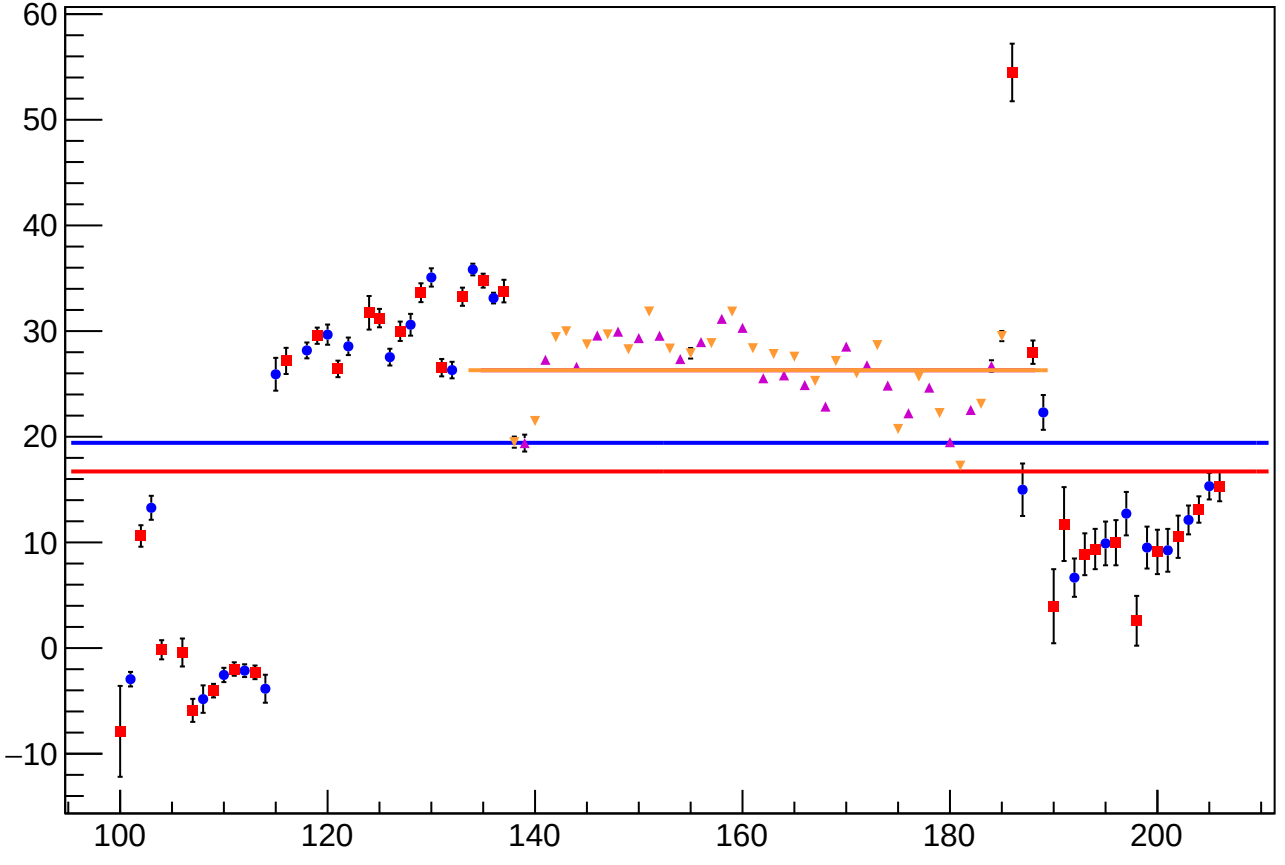
Left In: -22.322+/-0.077 χ^2/NDF:17133.3/22

+ sign -25.168+/-0.068 χ^2/NDF: 29484.1/49

All: -25.385+/-0.048 χ^2/NDF: 59825.8/103

- sign -25.607+/-0.068 χ^2/NDF: 30320.9/53

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 19.425+/-0.185 χ^2/NDF: 6875.0/24

Left Out: 26.296+/-0.065 χ^2/NDF:3307.8/24

Right Out: 16.715+/-0.186 χ^2/NDF: 7158.9/30

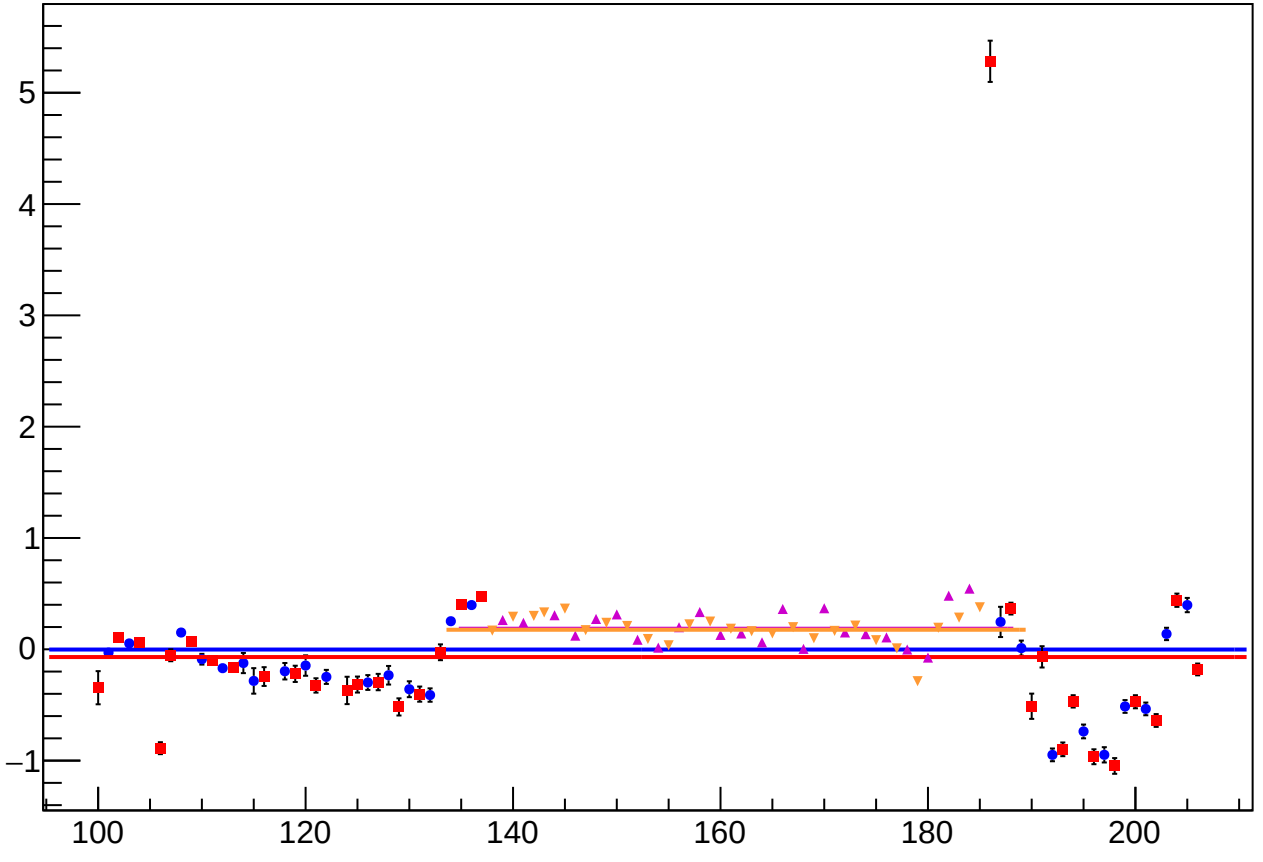
Left In: 26.292+/-0.067 χ^2/NDF:2185.8/22

+ sign 25.536+/-0.061 χ^2/NDF: 11415.1/49

All: 25.376+/-0.044 χ^2/NDF: 23112.6/103

- sign 25.208+/-0.063 χ^2/NDF: 11683.6/53

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.002+/-0.009 χ^2/NDF: 1457.8/24

Left Out: 0.176+/-0.003 χ^2/NDF:1935.6/24

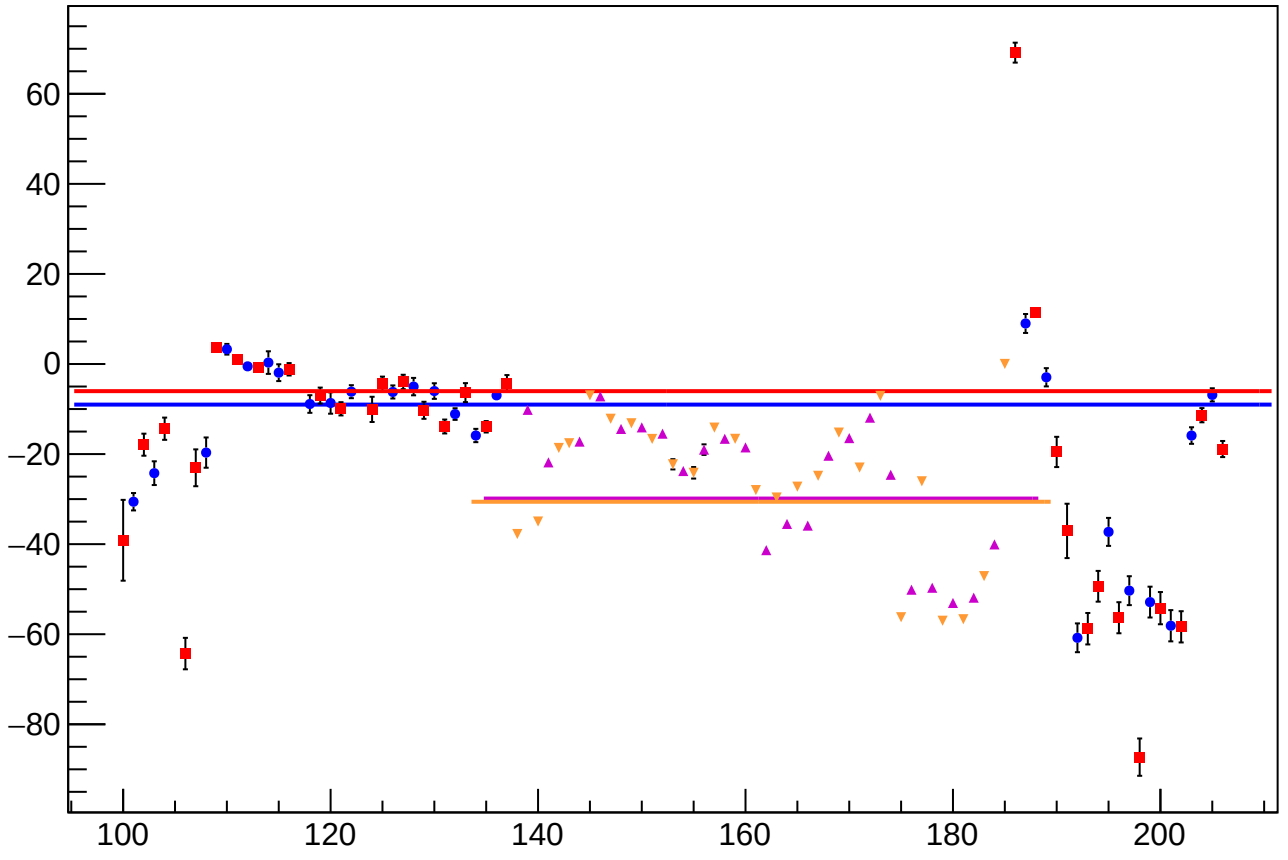
Right Out: -0.070+/-0.010 χ^2/NDF: 2629.2/30

Left In: 0.185+/-0.003 χ^2/NDF:2538.5/22

+ sign 0.160+/-0.003 χ^2/NDF: 3723.1/49

All: 0.161+/-0.002 χ^2/NDF: 9543.7/103

- sign 0.162+/-0.003 χ^2/NDF: 5820.2/53



Right In: -9.013+/-0.337 χ^2/NDF: 1396.8/24

Left Out: -30.587+/-0.142 χ^2/NDF:16046.0/24

Right Out: -6.025+/-0.322 χ^2/NDF: 3505.9/30

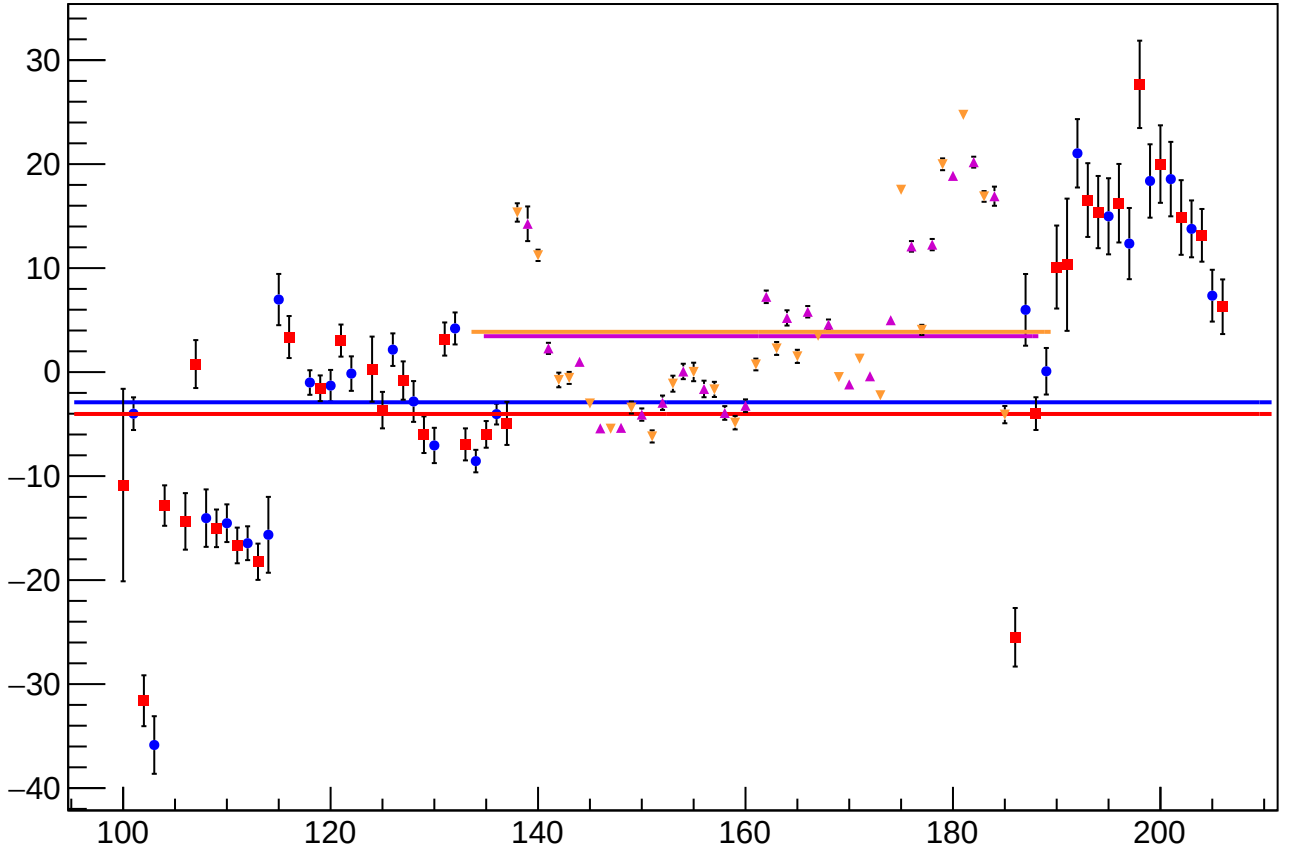
Left In: -29.878+/-0.146 χ^2/NDF:12034.7/22

+ sign -27.337+/-0.131 χ^2/NDF: 20913.8/49

All: -26.579+/-0.093 χ^2/NDF: 41077.4/103

- sign -25.795+/-0.133 χ^2/NDF: 20095.5/53

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -2.901+/-0.368 χ^2/NDF: 601.7/24

Left Out: 3.873+/-0.111 χ^2/NDF:6542.0/24

Right Out: -4.026+/-0.375 χ^2/NDF: 752.7/30

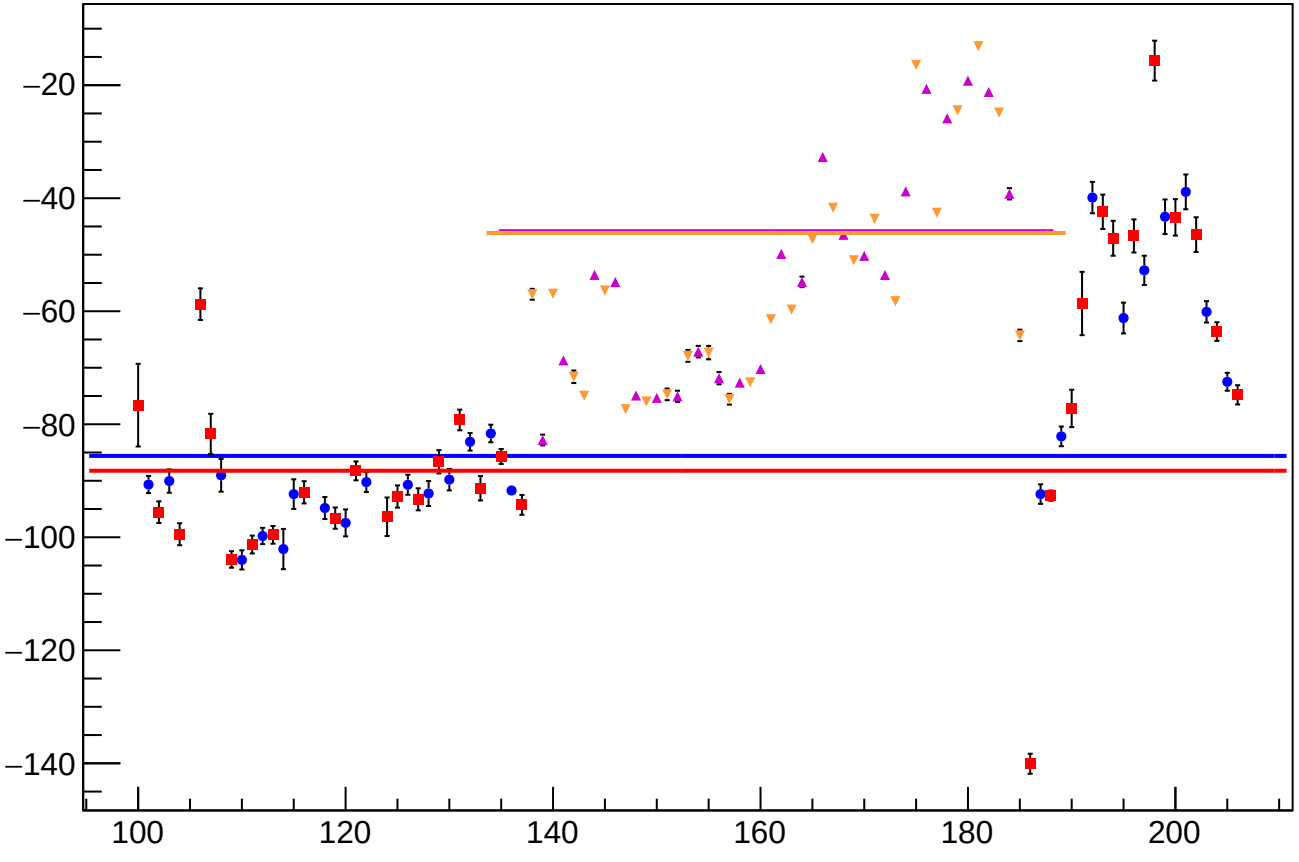
Left In: 3.453+/-0.114 χ^2/NDF:4693.7/22

+ sign 3.306+/-0.106 χ^2/NDF: 7454.3/49

All: 3.070+/-0.076 χ^2/NDF: 13275.5/103

- sign 2.823+/-0.109 χ^2/NDF: 5811.1/53

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -85.604+/-0.364 χ^2/NDF: 1597.0/24

Left Out: -46.153+/-0.142 χ^2/NDF:21455.9/24

Right Out: -88.224+/-0.350 χ^2/NDF: 3089.5/30

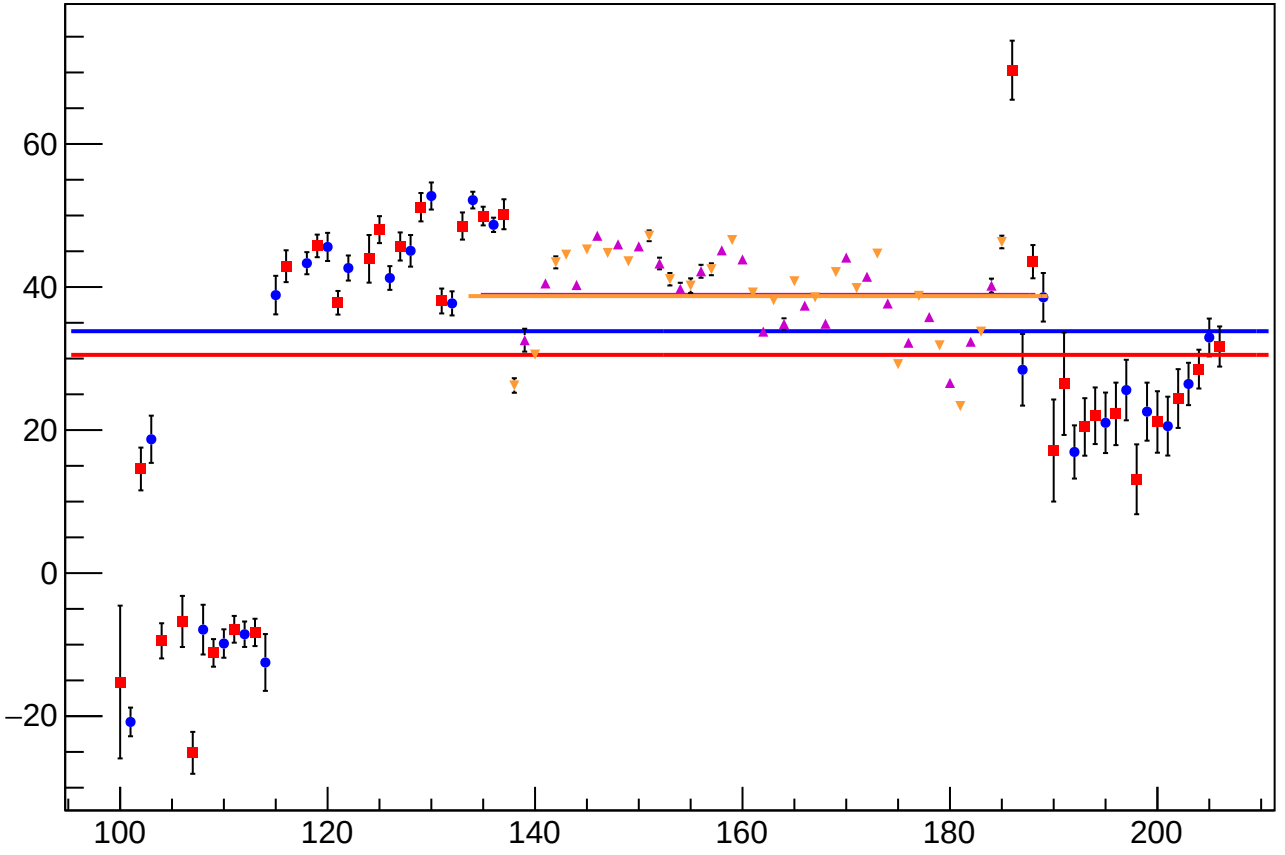
Left In: -45.833+/-0.146 χ^2/NDF:17924.6/22

+ sign -51.378+/-0.133 χ^2/NDF: 33217.1/49

All: -51.749+/-0.095 χ^2/NDF: 66772.0/103

- sign -52.132+/-0.135 χ^2/NDF: 33539.1/53

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 33.824+/-0.415 χ^2/NDF: 2874.4/24

Left Out: 38.730+/-0.125 χ^2/NDF:2781.7/24

Right Out: 30.515+/-0.428 χ^2/NDF: 3074.5/30

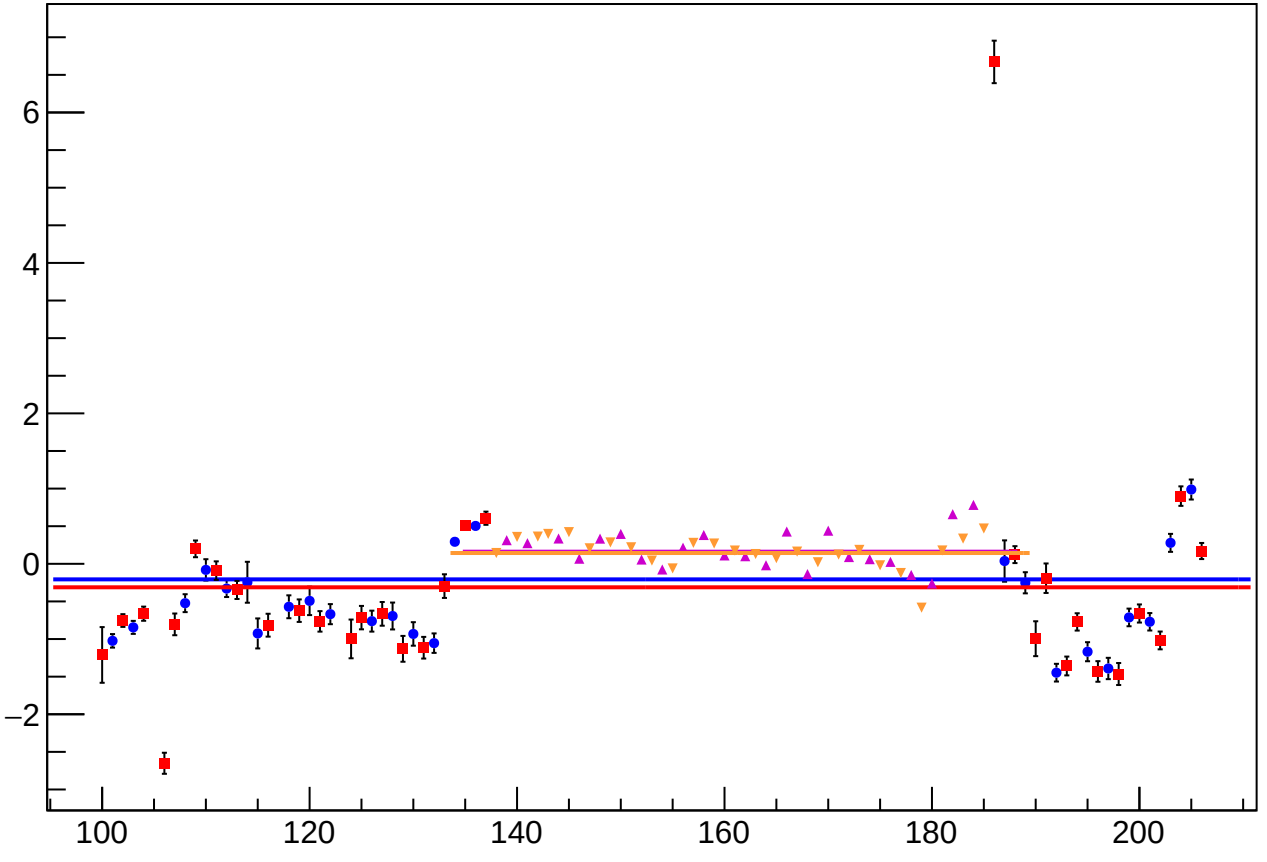
Left In: 38.905+/-0.127 χ^2/NDF:1971.6/22

+ sign 38.325+/-0.119 χ^2/NDF: 5784.3/49

All: 38.274+/-0.085 χ^2/NDF: 11183.9/103

- sign 38.221+/-0.122 χ^2/NDF: 5399.2/53

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.207+/-0.021 χ^2/NDF: 1029.9/24

Left Out: 0.144+/-0.006 χ^2/NDF:1442.8/24

Right Out: -0.312+/-0.022 χ^2/NDF: 1827.2/30

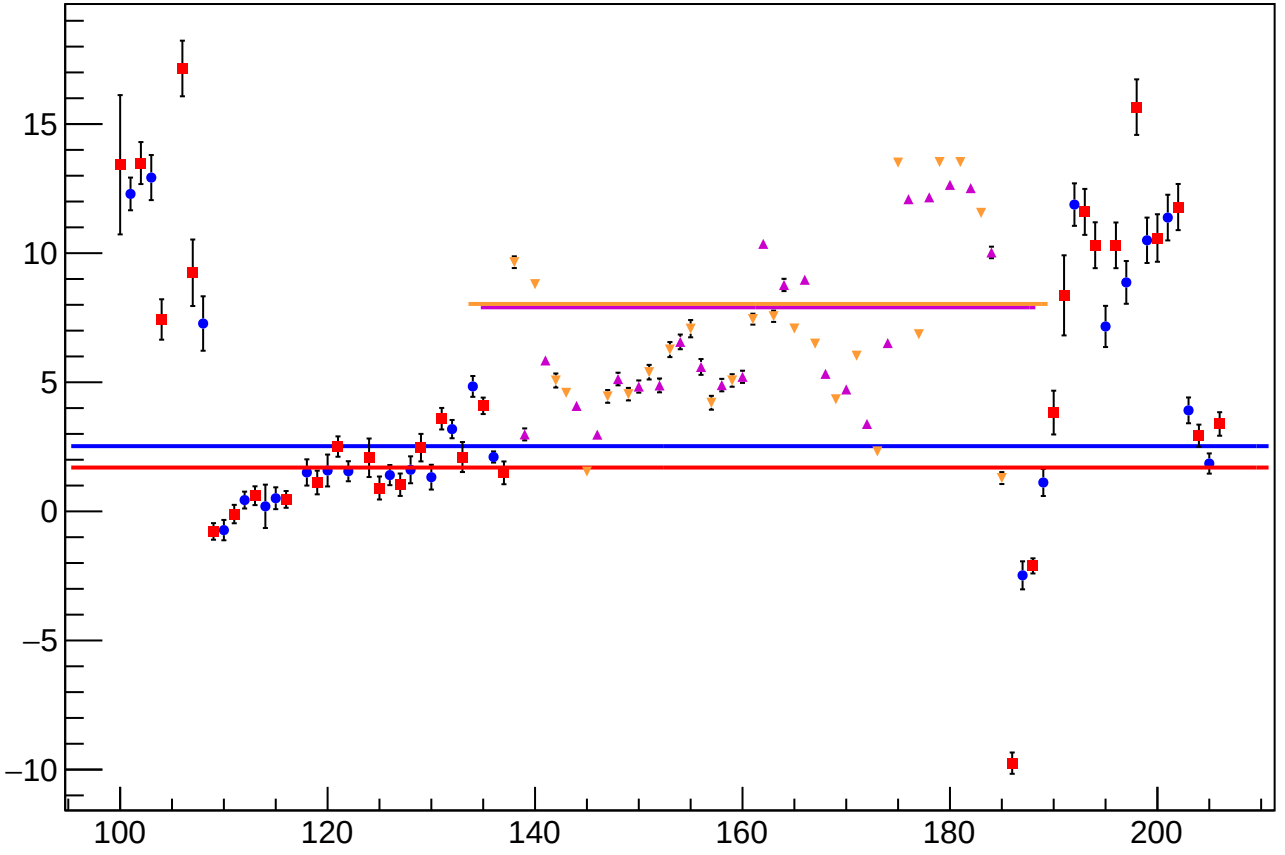
Left In: 0.161+/-0.006 χ^2/NDF:1918.8/22

+ sign 0.121+/-0.005 χ^2/NDF: 2731.4/49

All: 0.126+/-0.004 χ^2/NDF: 6921.0/103

- sign 0.131+/-0.006 χ^2/NDF: 4187.7/53

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.526+/-0.093 χ^2/NDF: 1116.7/24

Left Out: 8.034+/-0.035 χ^2/NDF:13924.1/24

Right Out: 1.698+/-0.089 χ^2/NDF: 2409.0/30

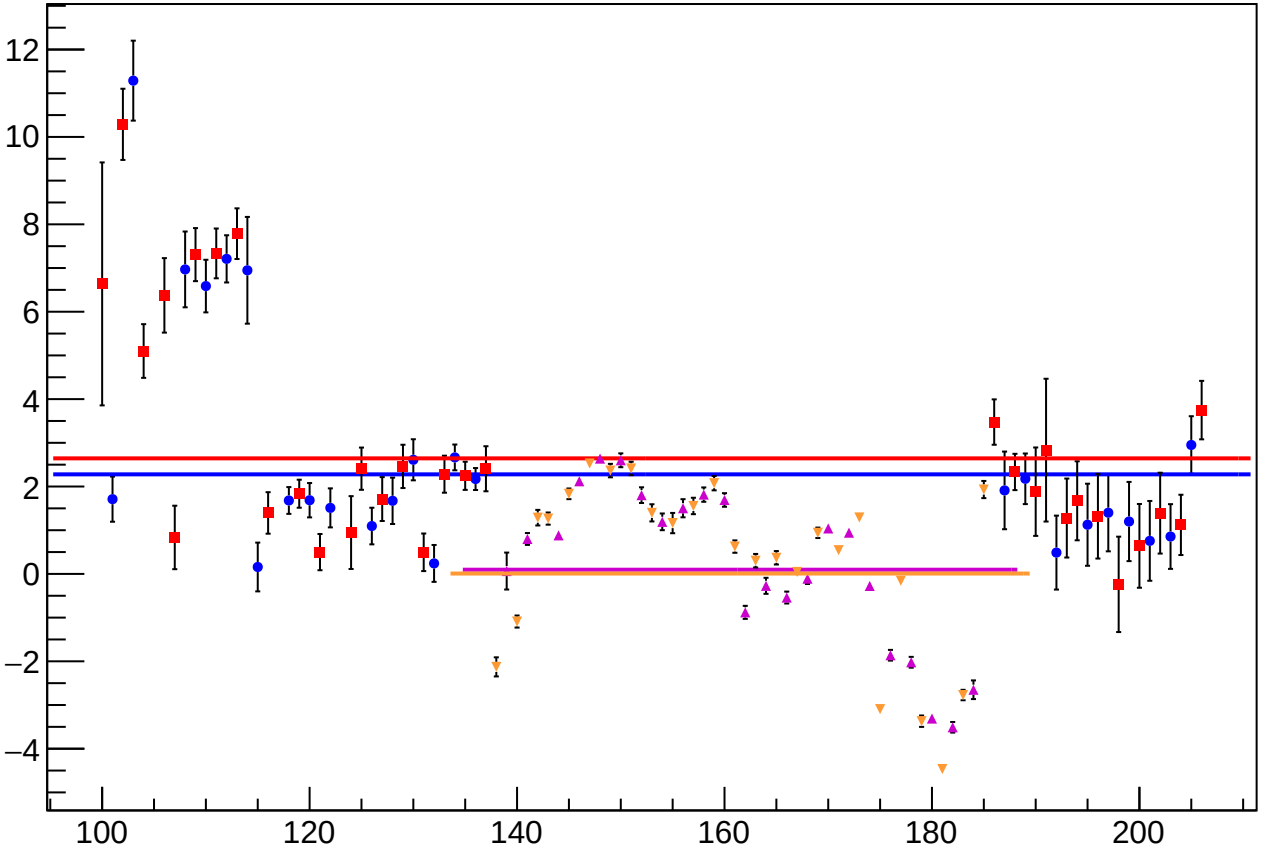
Left In: 7.903+/-0.036 χ^2/NDF:10017.8/22

+ sign 7.361+/-0.033 χ^2/NDF: 18113.6/49

All: 7.202+/-0.023 χ^2/NDF: 34781.9/103

- sign 7.037+/-0.033 χ^2/NDF: 16619.6/53

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 2.278+/-0.100 χ^2/NDF: 351.2/24

Left Out: 0.009+/-0.027 χ^2/NDF:5761.2/24

Right Out: 2.644+/-0.102 χ^2/NDF: 442.2/30

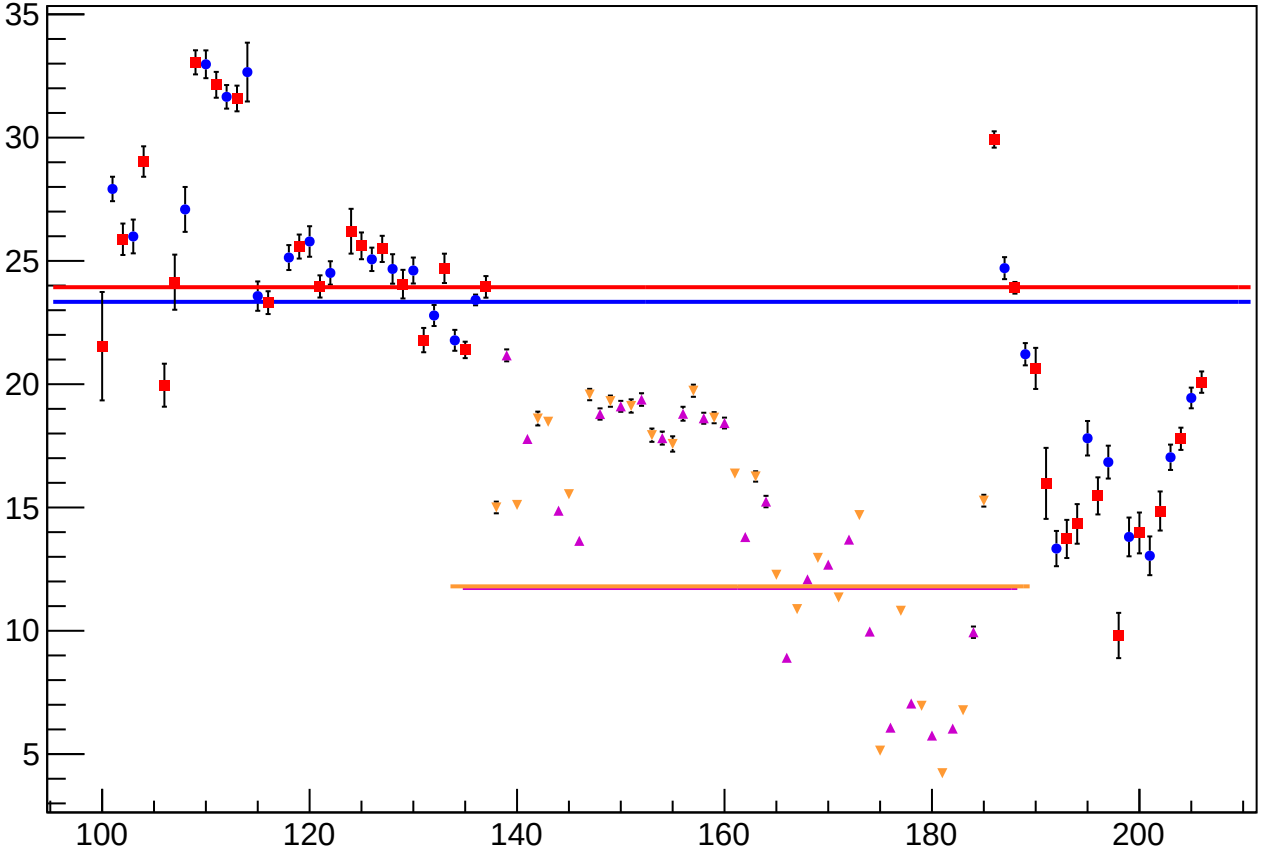
Left In: 0.096+/-0.028 χ^2/NDF:4433.3/22

+ sign 0.168+/-0.027 χ^2/NDF: 6590.5/49

All: 0.221+/-0.019 χ^2/NDF: 12055.0/103

- sign 0.276+/-0.027 χ^2/NDF: 5456.3/53

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 23.340+/-0.099 χ^2/NDF: 1786.7/24

Left Out: 11.802+/-0.035 χ^2/NDF:21479.5/24

Right Out: 23.934+/-0.094 χ^2/NDF: 2619.5/30

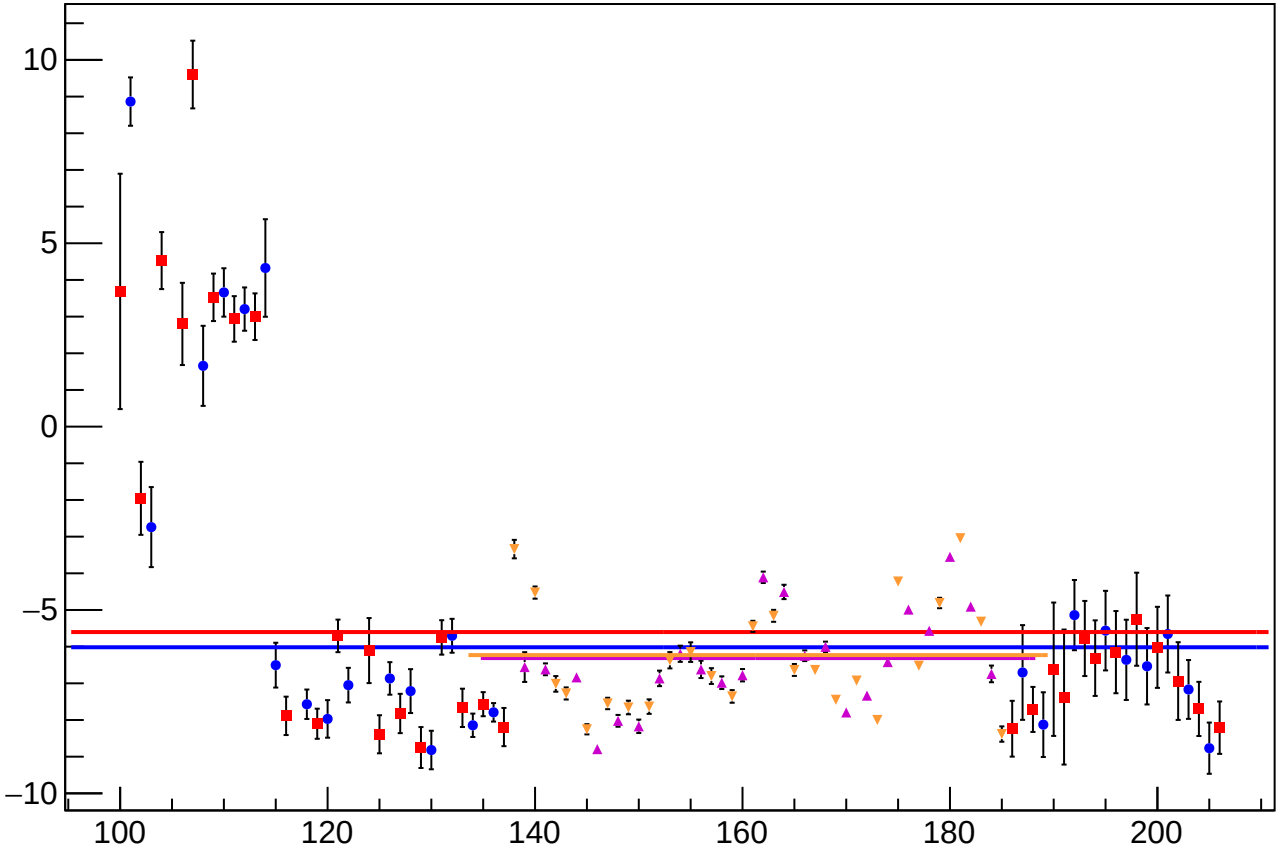
Left In: 11.735+/-0.036 χ^2/NDF:17999.5/22

+ sign 13.065+/-0.033 χ^2/NDF: 35271.3/49

All: 13.172+/-0.023 χ^2/NDF: 70644.2/103

- sign 13.284+/-0.033 χ^2/NDF: 35351.2/53

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -6.017+/-0.113 χ^2/NDF: 1277.8/24

Left Out: -6.231+/-0.031 χ^2/NDF:2450.1/24

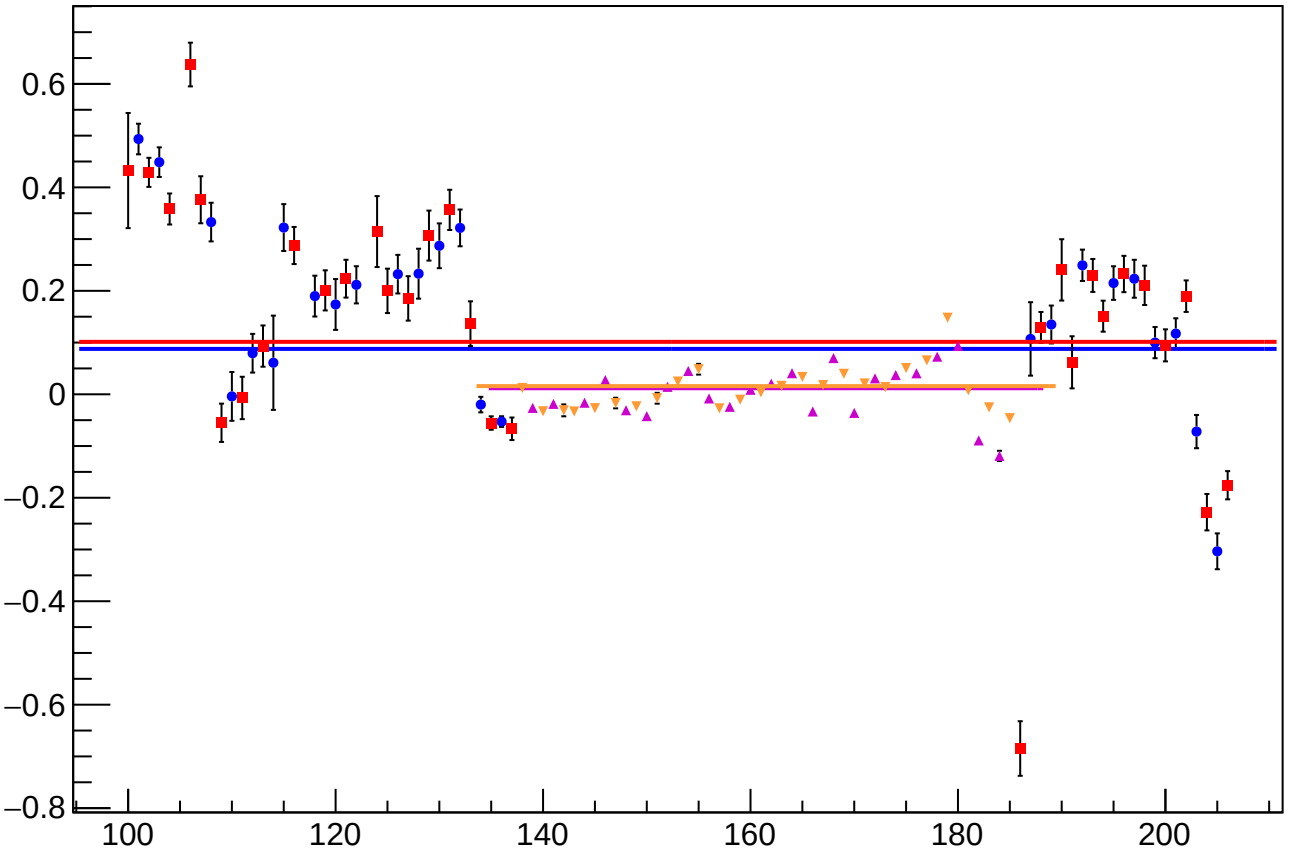
Right Out: -5.602+/-0.117 χ^2/NDF: 1349.4/30

Left In: -6.311+/-0.031 χ^2/NDF:2030.2/22

+ sign -6.216+/-0.030 χ^2/NDF: 3731.2/49

All: -6.239+/-0.021 χ^2/NDF: 7146.5/103

- sign -6.263+/-0.030 χ^2/NDF: 3414.1/53



Right In: 0.088+/-0.006 χ^2/NDF: 980.7/24

Left Out: 0.016+/-0.001 χ^2/NDF:933.4/24

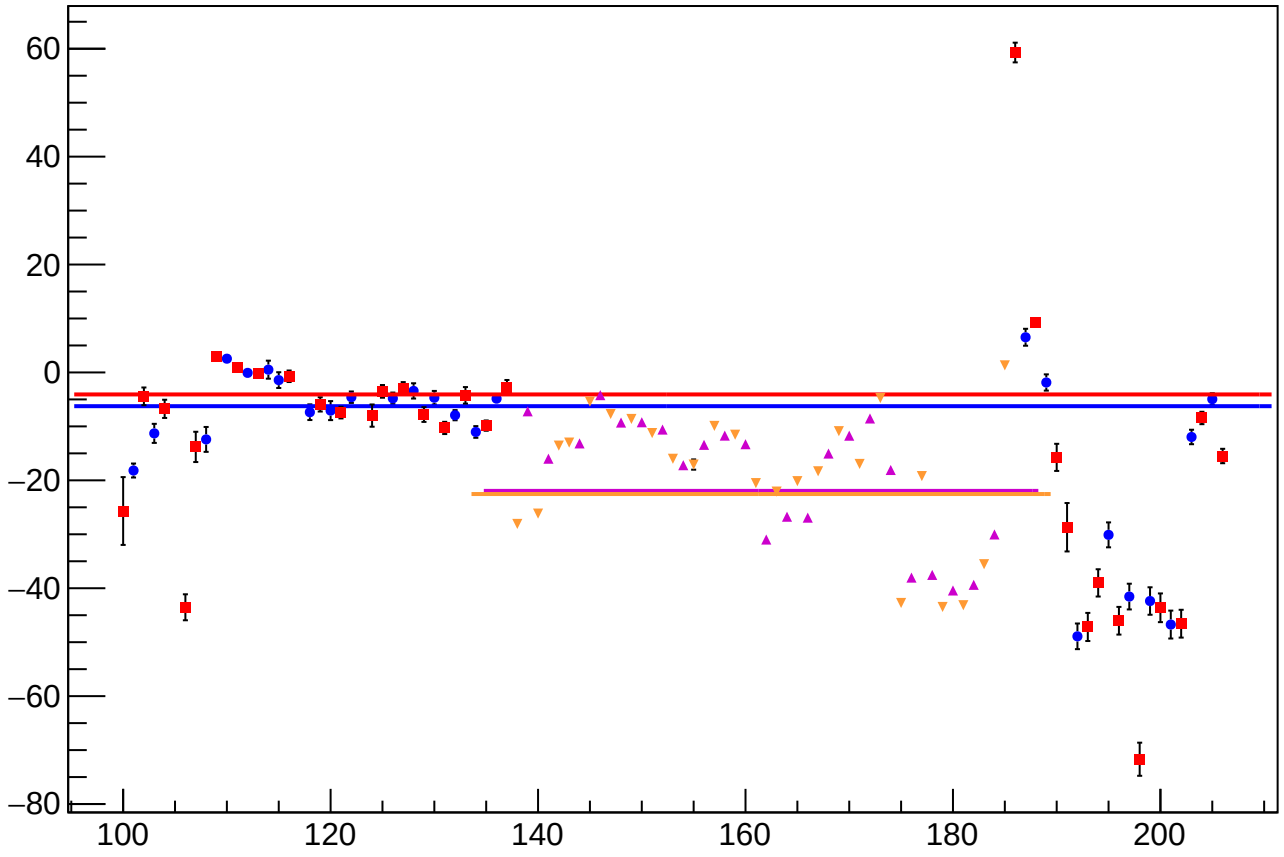
Right Out: 0.101+/-0.006 χ^2/NDF: 1240.7/30

Left In: 0.012+/-0.001 χ^2/NDF:1297.5/22

+ sign 0.020+/-0.001 χ^2/NDF: 2064.7/49

All: 0.018+/-0.001 χ^2/NDF: 4824.0/103

- sign 0.016+/-0.001 χ^2/NDF: 2756.4/53



Right In: -6.255+/-0.243 χ^2/NDF: 1563.8/24

Left Out: -22.538+/-0.108 χ^2/NDF:16540.6/24

Right Out: -4.078+/-0.230 χ^2/NDF: 3907.3/30

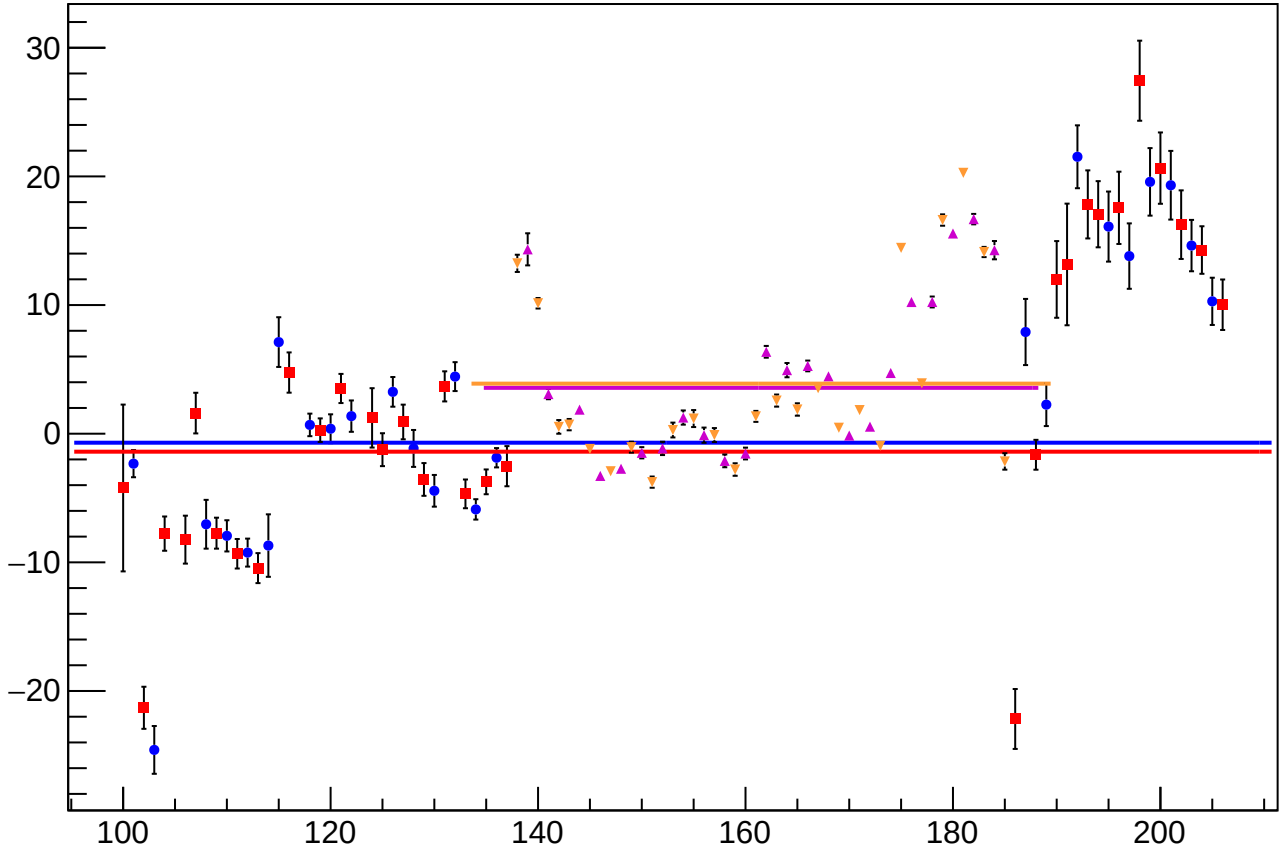
Left In: -21.957+/-0.111 χ^2/NDF:12585.3/22

+ sign -19.842+/-0.099 χ^2/NDF: 21860.4/49

All: -19.218+/-0.070 χ^2/NDF: 43323.3/103

- sign -18.577+/-0.100 χ^2/NDF: 21382.0/53

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: -0.700+/-0.267 χ^2/NDF: 775.0/24

Left Out: 3.891+/-0.084 χ^2/NDF:6724.1/24

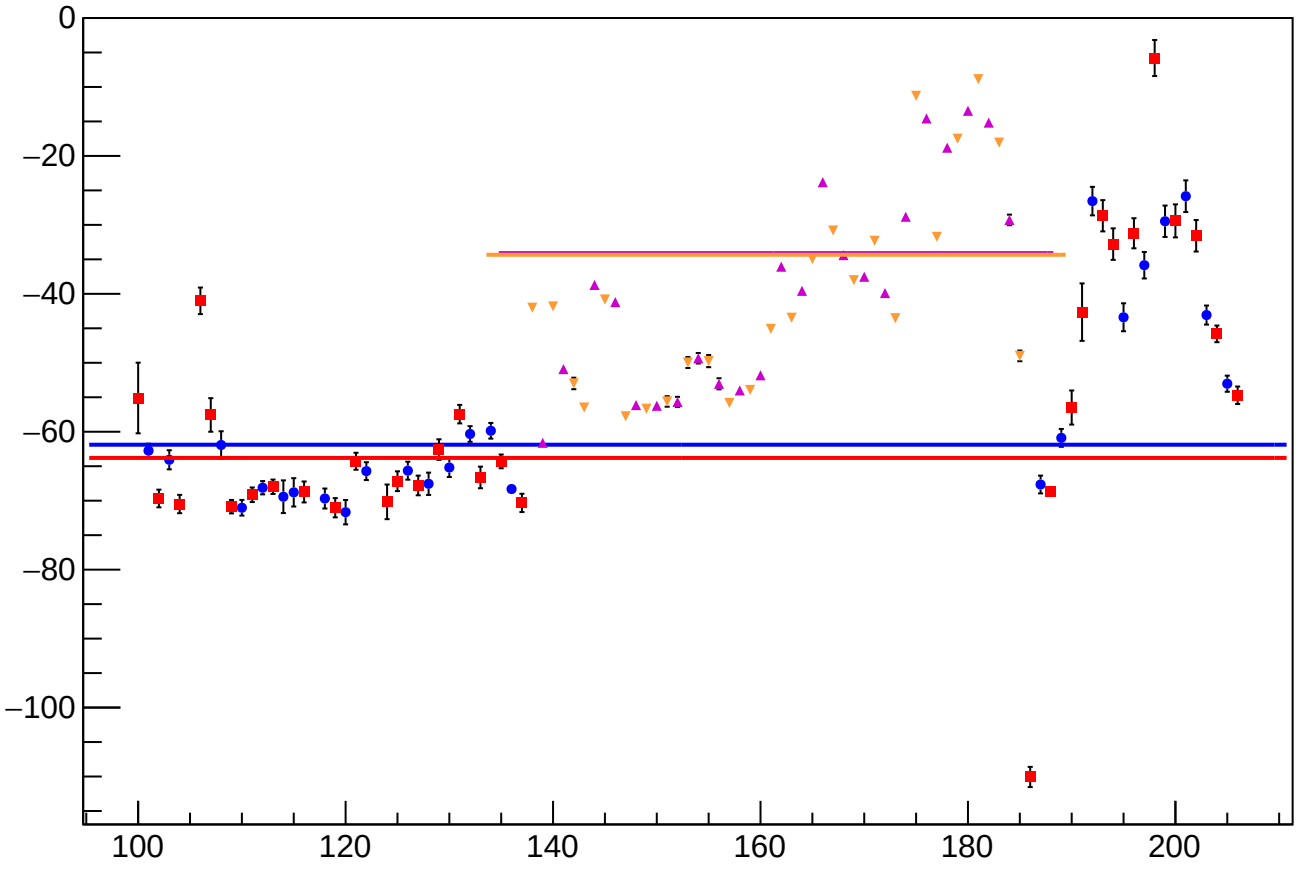
Right Out: -1.398+/-0.271 χ^2/NDF: 960.6/30

Left In: 3.565+/-0.086 χ^2/NDF:4739.4/22

+ sign 3.475+/-0.080 χ^2/NDF: 7768.5/49

All: 3.296+/-0.057 χ^2/NDF: 13783.6/103

- sign 3.109+/-0.082 χ^2/NDF: 6005.0/53



Right In: -61.882+/-0.264 χ^2/NDF: 1599.2/24

Left Out: -34.334+/-0.108 χ^2/NDF:21200.8/24

Right Out: -63.797+/-0.253 χ^2/NDF: 3300.6/30

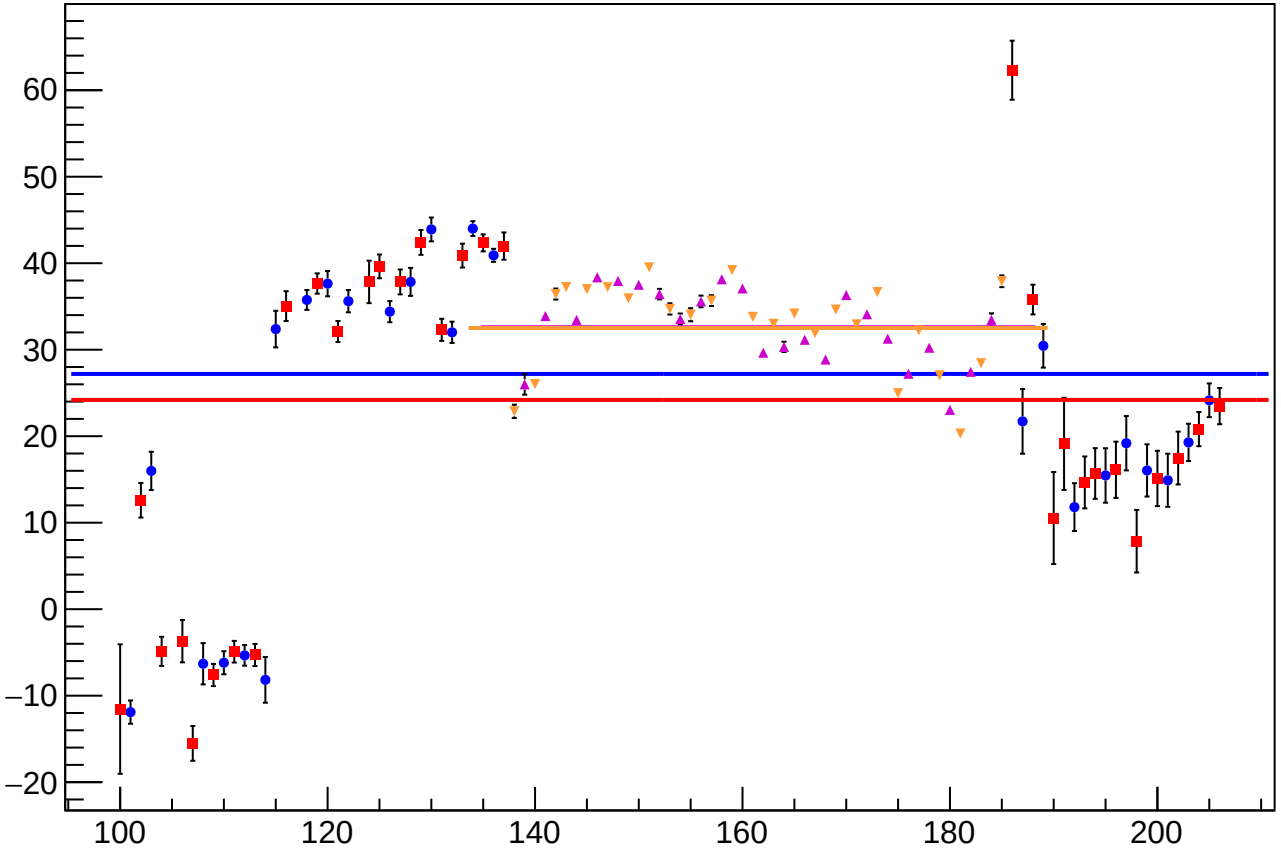
Left In: -34.091+/-0.111 χ^2/NDF:17726.5/22

+ sign -38.309+/-0.100 χ^2/NDF: 32140.7/49

All: -38.591+/-0.071 χ^2/NDF: 64745.2/103

- sign -38.882+/-0.102 χ^2/NDF: 32588.3/53

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 27.199+/-0.301 χ^2/NDF: 3836.7/24

Left Out: 32.511+/-0.095 χ^2/NDF:2938.0/24

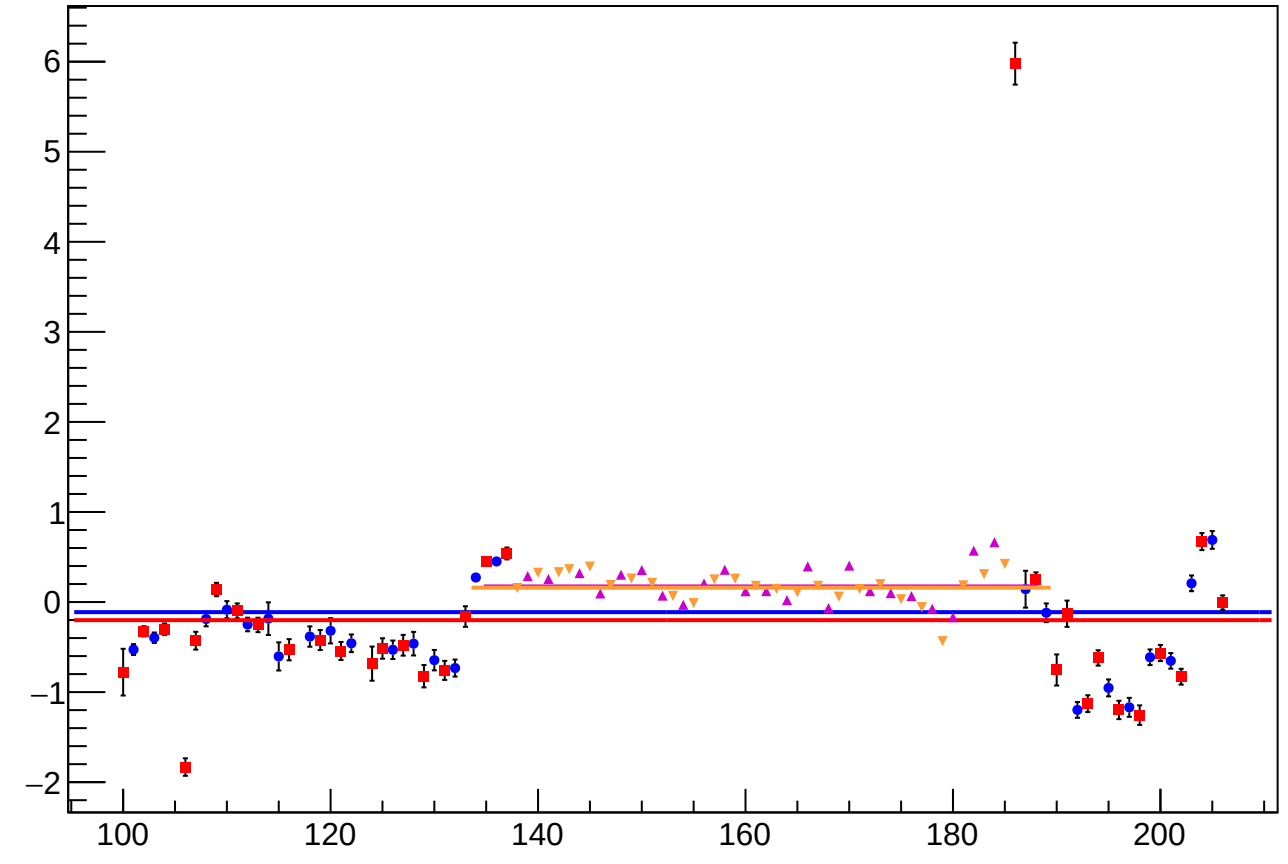
Right Out: 24.196+/-0.309 χ^2/NDF: 4080.7/30

Left In: 32.598+/-0.097 χ^2/NDF:2012.9/22

+ sign 32.034+/-0.090 χ^2/NDF: 7057.8/49

All: 31.944+/-0.065 χ^2/NDF: 13826.1/103

- sign 31.849+/-0.092 χ^2/NDF: 6766.2/53



Right In: -0.112+/-0.015 χ^2/NDF: 1109.9/24

Left Out: 0.160+/-0.004 χ^2/NDF:1613.0/24

Right Out: -0.201+/-0.016 χ^2/NDF: 2046.3/30

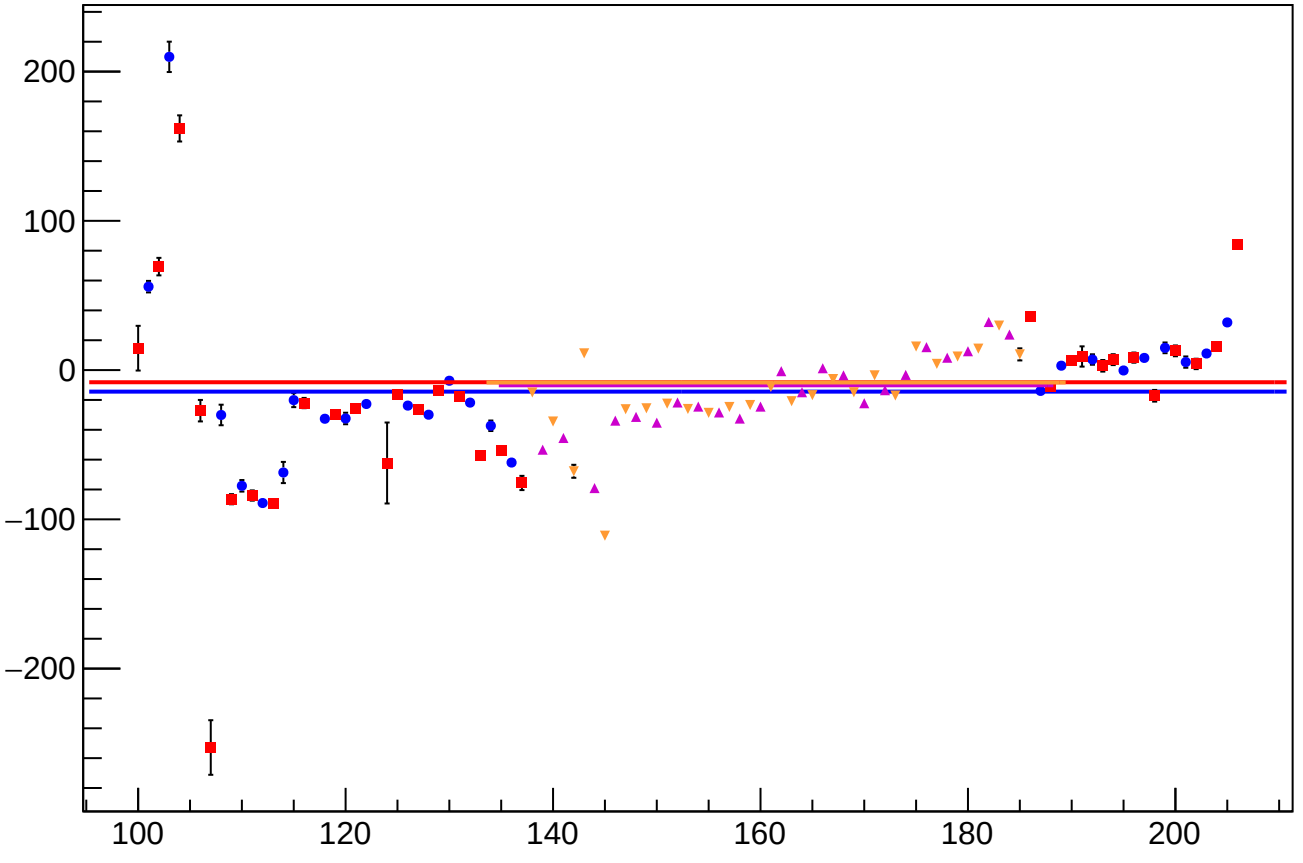
Left In: 0.173+/-0.004 χ^2/NDF:2129.7/22

+ sign 0.140+/-0.004 χ^2/NDF: 3016.4/49

All: 0.144+/-0.003 χ^2/NDF: 7718.2/103

- sign 0.147+/-0.004 χ^2/NDF: 4700.5/53

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: -14.429+/-0.617 χ^2/NDF: 3060.6/24

Left Out: -8.298+/-0.514 χ^2/NDF:2559.6/24

Right Out: -8.140+/-0.546 χ^2/NDF: 5412.5/30

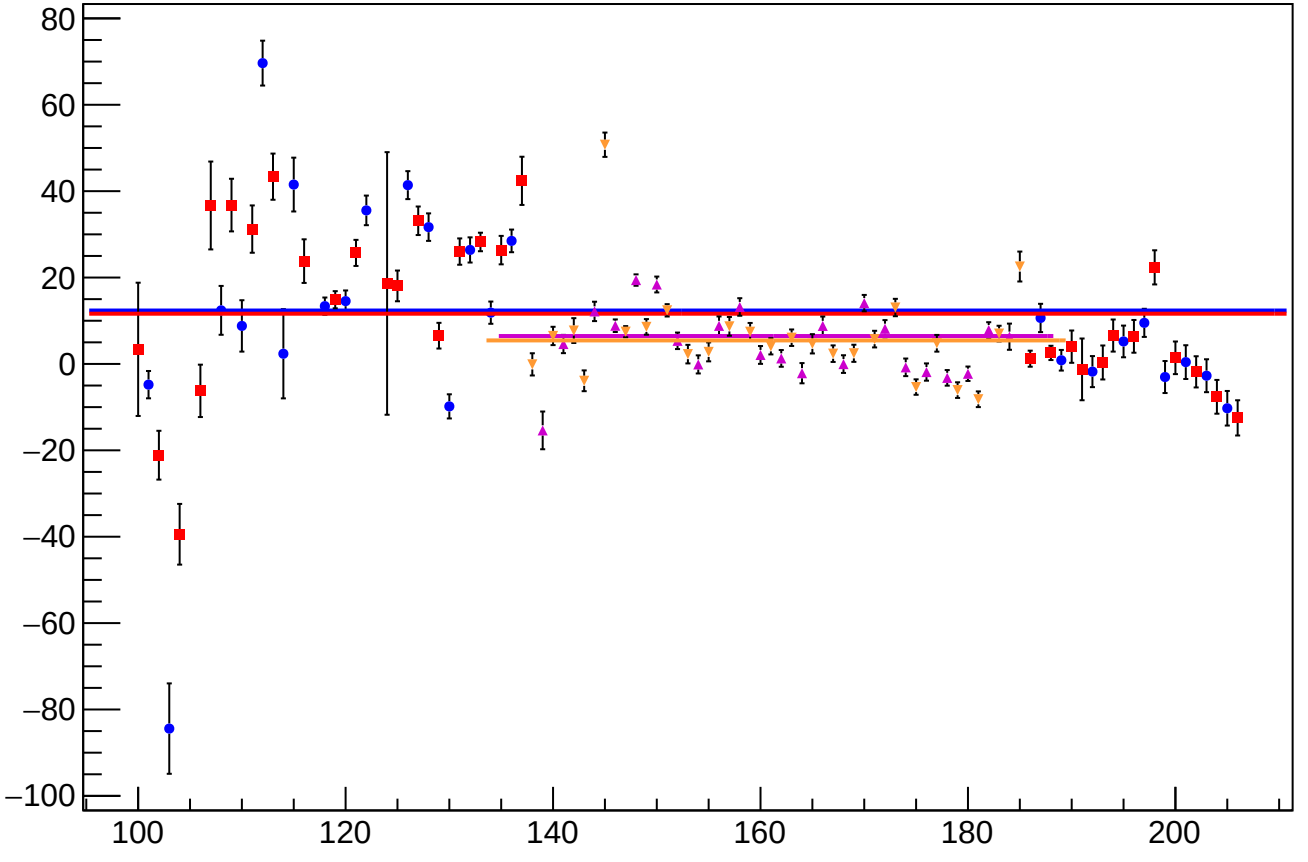
Left In: -10.183+/-0.526 χ^2/NDF:2518.4/22

+ sign -10.808+/-0.395 χ^2/NDF: 5678.6/49

All: -9.970+/-0.273 χ^2/NDF: 13625.4/103

- sign -9.198+/-0.379 χ^2/NDF: 7938.1/53

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 12.365+/-0.665 χ^2/NDF: 665.4/24

Left Out: 5.445+/-0.394 χ^2/NDF:493.7/24

Right Out: 11.629+/-0.618 χ^2/NDF: 546.8/30

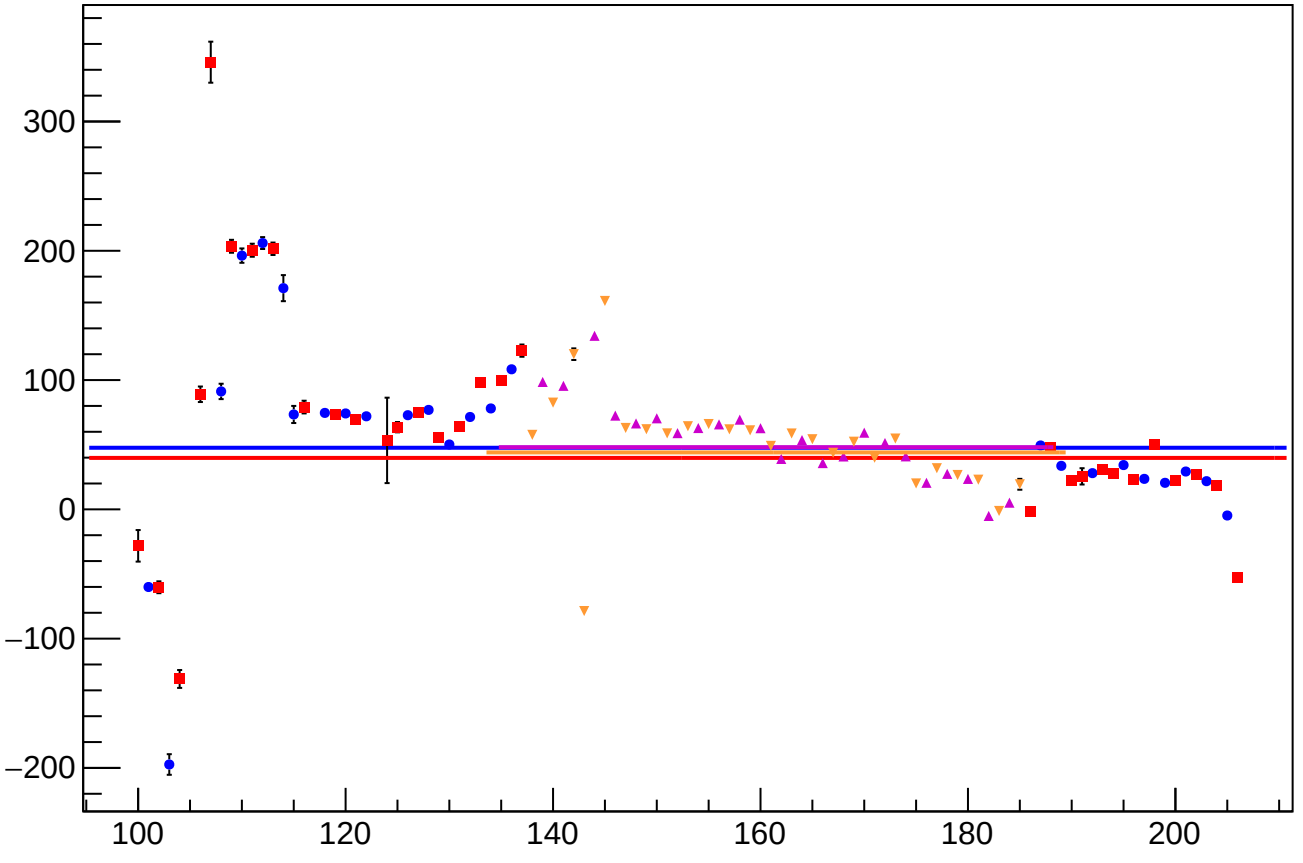
Left In: 6.461+/-0.408 χ^2/NDF:336.0/22

\+ sign 7.243+/-0.339 χ^2/NDF: 1239.3/49

All: 7.634+/-0.240 χ^2/NDF: 2173.4/103

\- sign 8.029+/-0.341 χ^2/NDF: 931.5/53

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 47.648+/-0.607 χ^2/NDF: 6309.0/24

Left Out: 44.040+/-0.510 χ^2/NDF:4563.8/24

Right Out: 39.793+/-0.511 χ^2/NDF: 8984.2/30

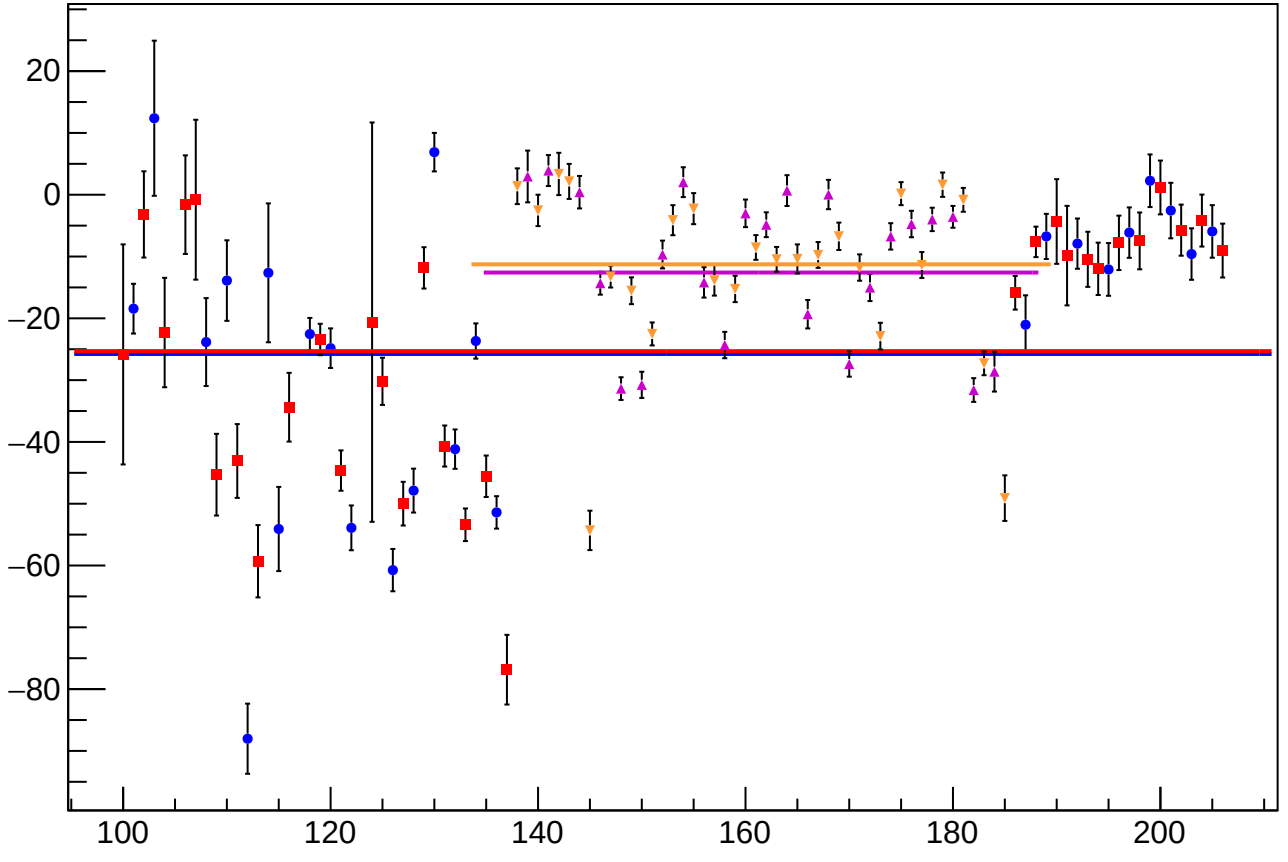
Left In: 48.076+/-0.521 χ^2/NDF:3376.5/22

+ sign 45.533+/-0.390 χ^2/NDF: 10893.5/49

All: 44.634+/-0.267 χ^2/NDF: 23393.0/103

- sign 43.850+/-0.365 χ^2/NDF: 12489.6/53

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -25.762+/-0.781 χ^2/NDF: 776.6/24

Left Out: -11.260+/-0.445 χ^2/NDF:643.3/24

Right Out: -25.313+/-0.751 χ^2/NDF: 660.9/30

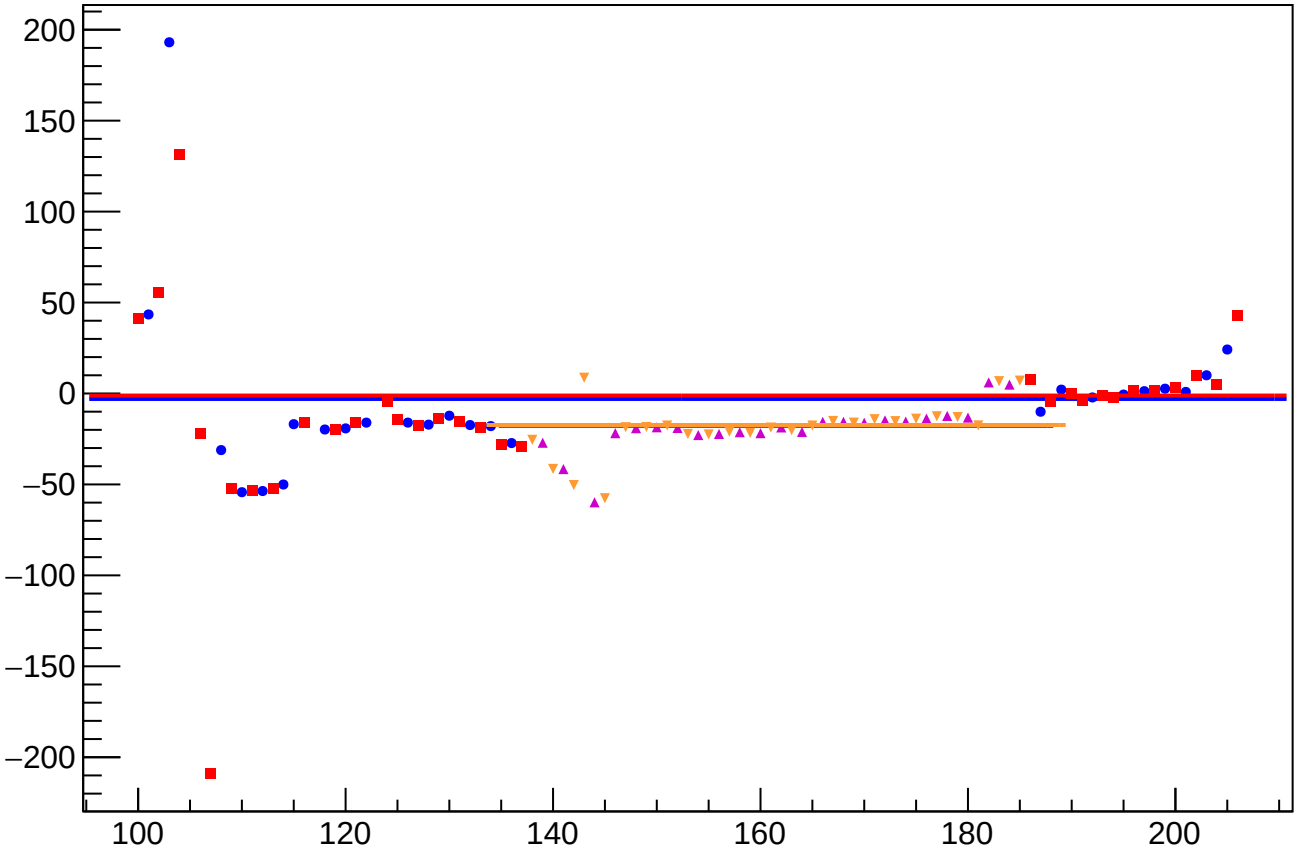
Left In: -12.589+/-0.459 χ^2/NDF:671.8/22

+ sign -14.811+/-0.387 χ^2/NDF: 1680.1/49

All: -15.422+/-0.275 χ^2/NDF: 3227.0/103

- sign -16.049+/-0.392 χ^2/NDF: 1541.9/53

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -3.006+/-0.037 χ^2/NDF: 569160.2/24

Left Out: -17.330+/-0.020 χ^2/NDF:347790.9/24

Right Out: -1.138+/-0.035 χ^2/NDF: 570005.9/30

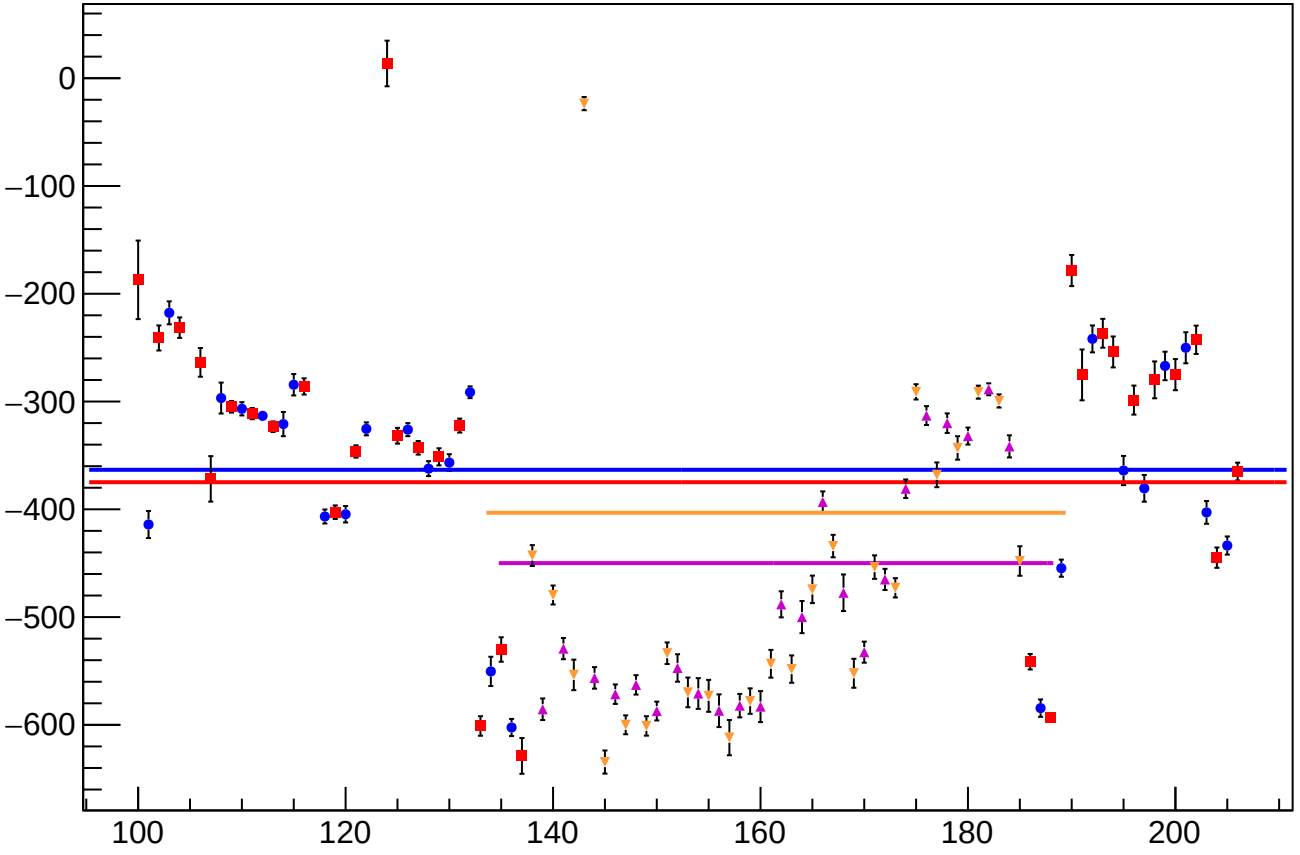
Left In: -17.829+/-0.020 χ^2/NDF:267426.0/22

+ sign -14.108+/-0.018 χ^2/NDF: 1032721.2/49

All: -13.881+/-0.012 χ^2/NDF: 2039780.4/103

- sign -13.654+/-0.018 χ^2/NDF: 1006724.5/53

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -363.338+/-1.615 χ^2/NDF: 3103.1/24

Left Out: -403.195+/-1.928 χ^2/NDF:7750.3/24

Right Out: -374.859+/-1.476 χ^2/NDF: 6349.0/30

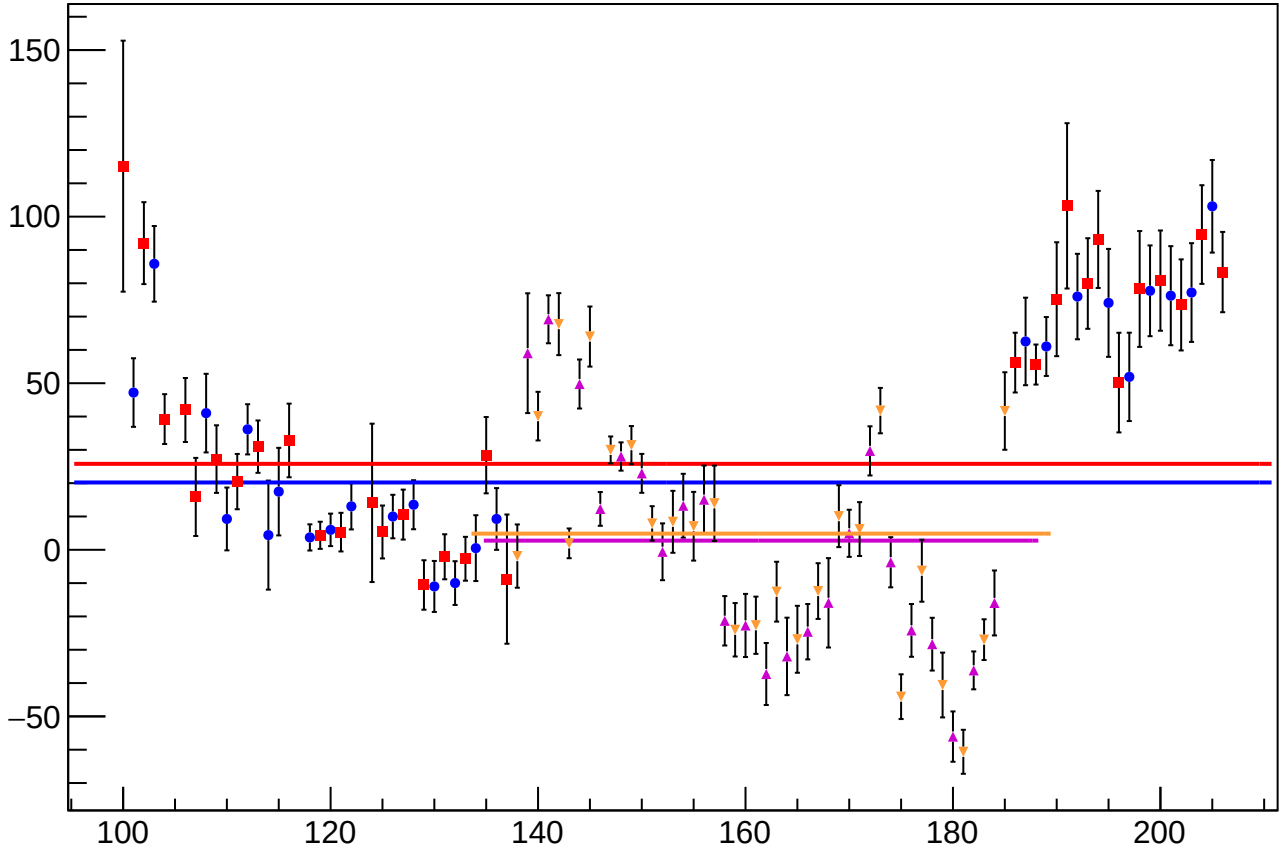
Left In: -449.912+/-2.043 χ^2/NDF:3218.9/22

+ sign -379.773+/-1.238 χ^2/NDF: 11104.6/49

All: -390.537+/-0.860 χ^2/NDF: 21705.4/103

- sign -400.595+/-1.196 χ^2/NDF: 10454.5/53

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 20.209+/-1.694 χ^2/NDF: 273.7/24

Left Out: 4.858+/-1.447 χ^2/NDF:457.2/24

Right Out: 25.803+/-1.633 χ^2/NDF: 330.1/30

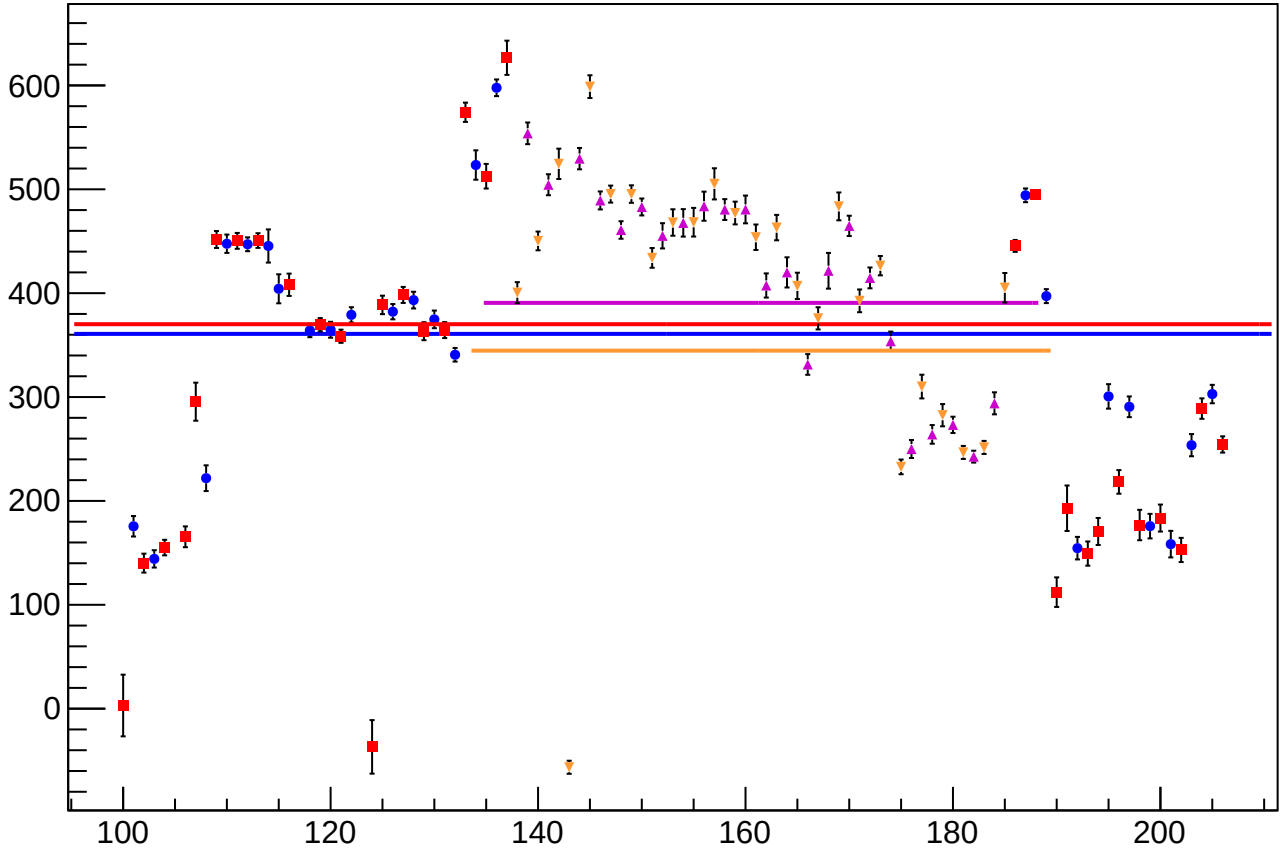
Left In: 2.756+/-1.554 χ^2/NDF:399.6/22

\+ sign 11.332+/-1.100 χ^2/NDF: 778.3/49

All: 12.495+/-0.787 χ^2/NDF: 1614.8/103

\- sign 13.713+/-1.126 χ^2/NDF: 834.2/53

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 360.801+/-1.737 χ^2/NDF: 4007.6/24

Left Out: 344.680+/-1.924 χ^2/NDF:7278.2/24

Right Out: 370.135+/-1.535 χ^2/NDF: 7208.1/30

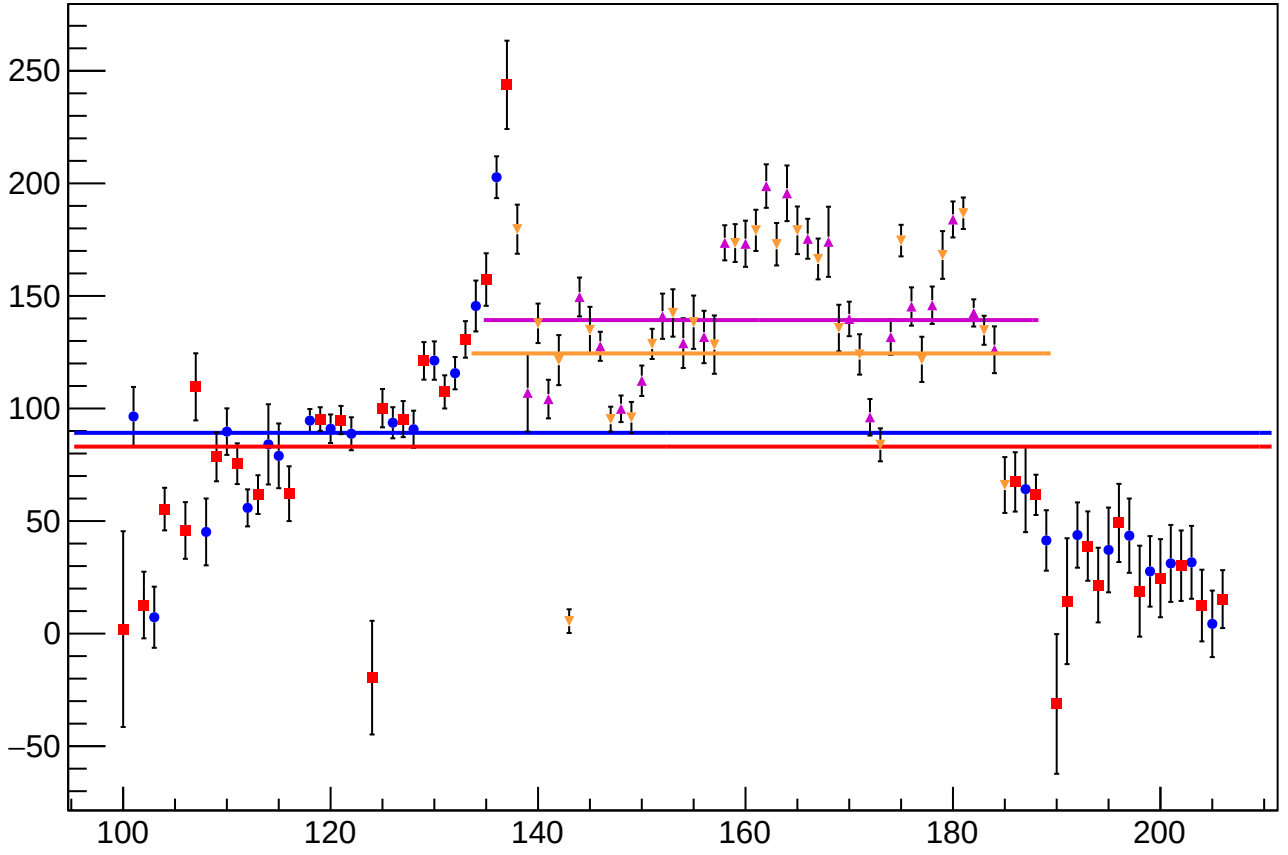
Left In: 390.672+/-2.029 χ^2/NDF:2672.8/22

+ sign 353.563+/-1.289 χ^2/NDF: 11324.5/49

All: 366.207+/-0.888 χ^2/NDF: 21453.5/103

- sign 377.606+/-1.224 χ^2/NDF: 9946.1/53

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 89.187+/-1.988 χ^2/NDF: 378.5/24

Left Out: 124.466+/-1.662 χ^2/NDF:937.6/24

Right Out: 83.064+/-1.924 χ^2/NDF: 395.0/30

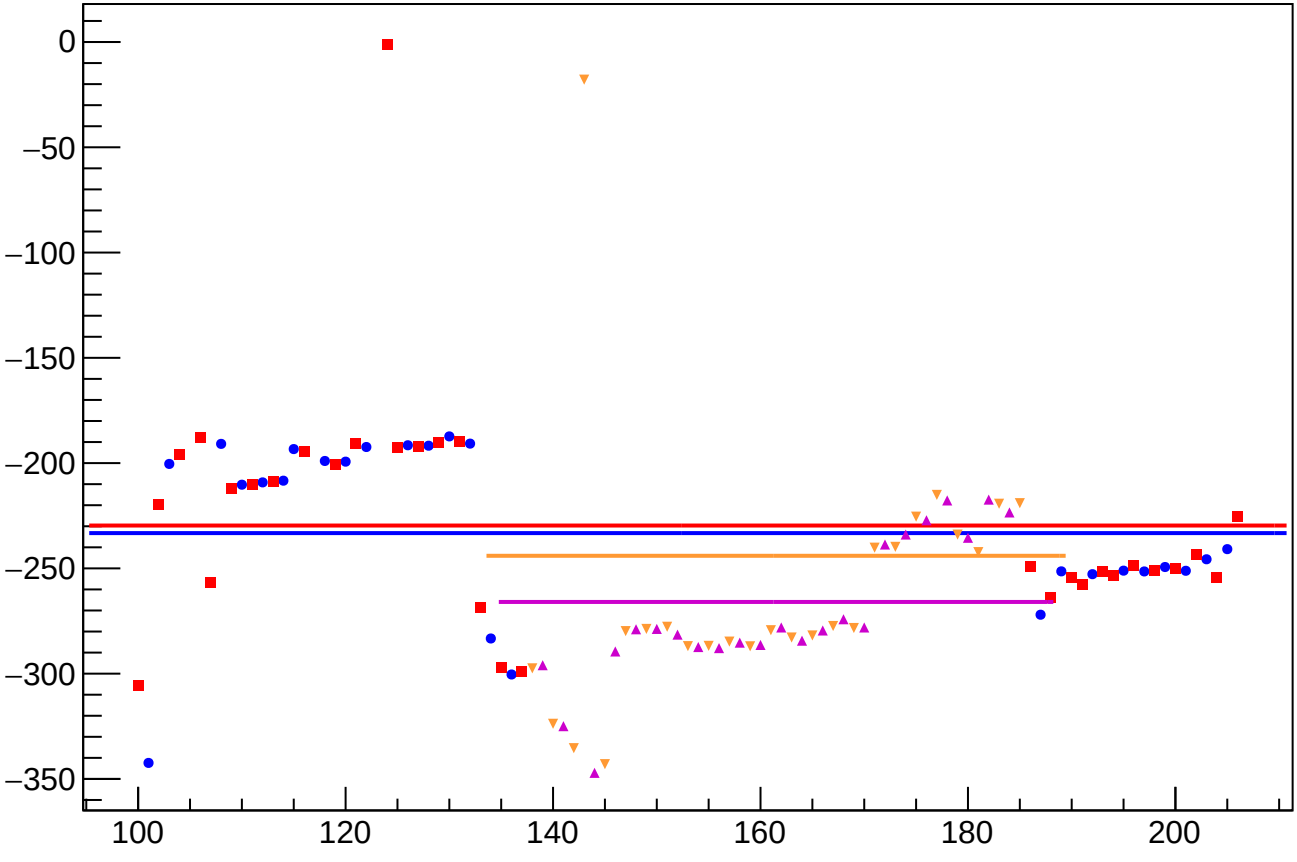
Left In: 139.274+/-1.769 χ^2/NDF:260.9/22

+ sign 109.957+/-1.275 χ^2/NDF: 1501.4/49

All: 111.697+/-0.911 χ^2/NDF: 2623.6/103

- sign 113.512+/-1.302 χ^2/NDF: 1118.4/53

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -233.245+/-0.111 χ^2/NDF: 135697.4/24

Left Out: -244.021+/-0.077 χ^2/NDF:997959.6/24

Right Out: -229.650+/-0.103 χ^2/NDF: 111276.0/30

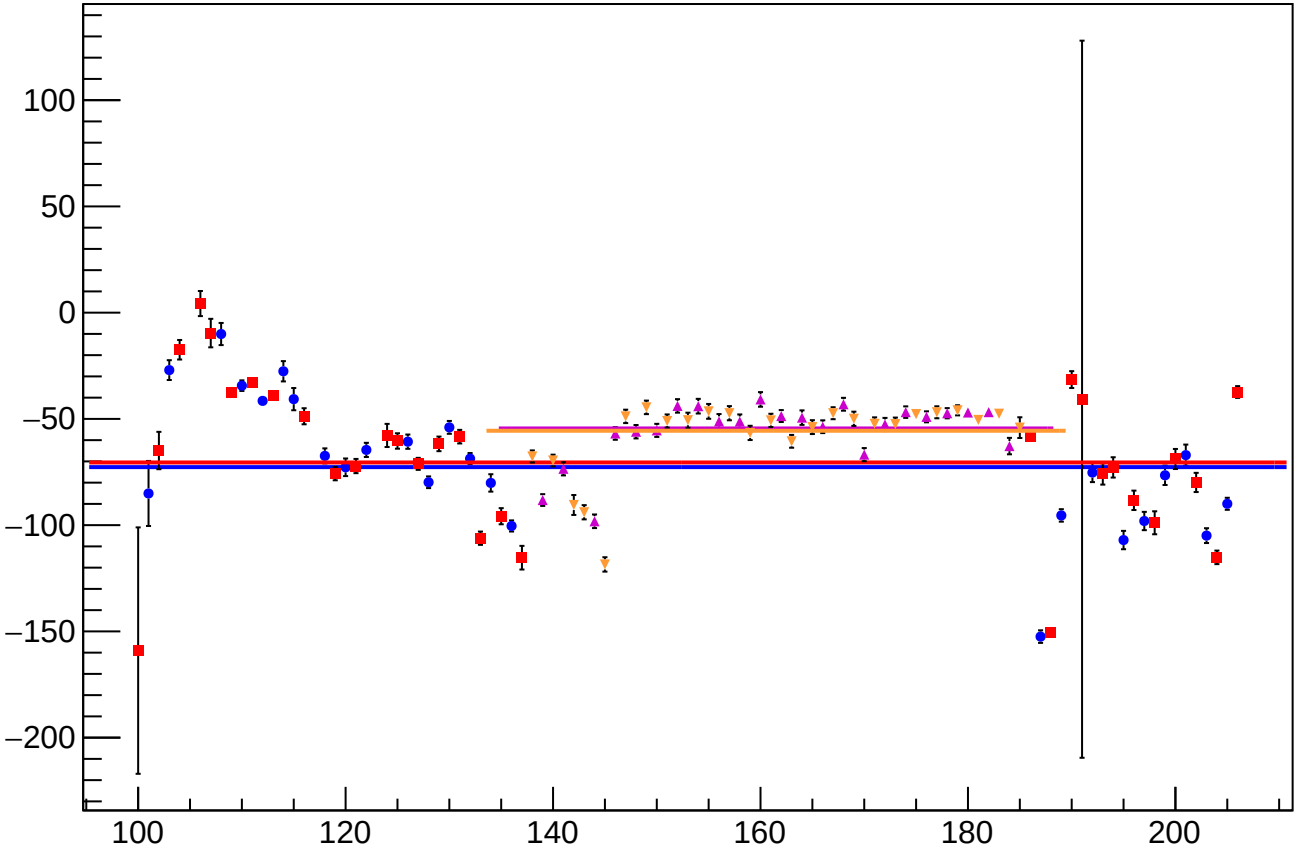
Left In: -265.945+/-0.081 χ^2/NDF:169943.2/22

+ sign -240.497+/-0.063 χ^2/NDF: 1140006.7/49

All: -246.341+/-0.045 χ^2/NDF: 1515271.8/10

- sign -252.183+/-0.063 χ^2/NDF: 358297.2/53

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -72.690+/-0.684 χ^2/NDF: 2009.4/24

Left Out: -55.575+/-0.590 χ^2/NDF:686.5/24

Right Out: -70.500+/-0.597 χ^2/NDF: 4103.0/30

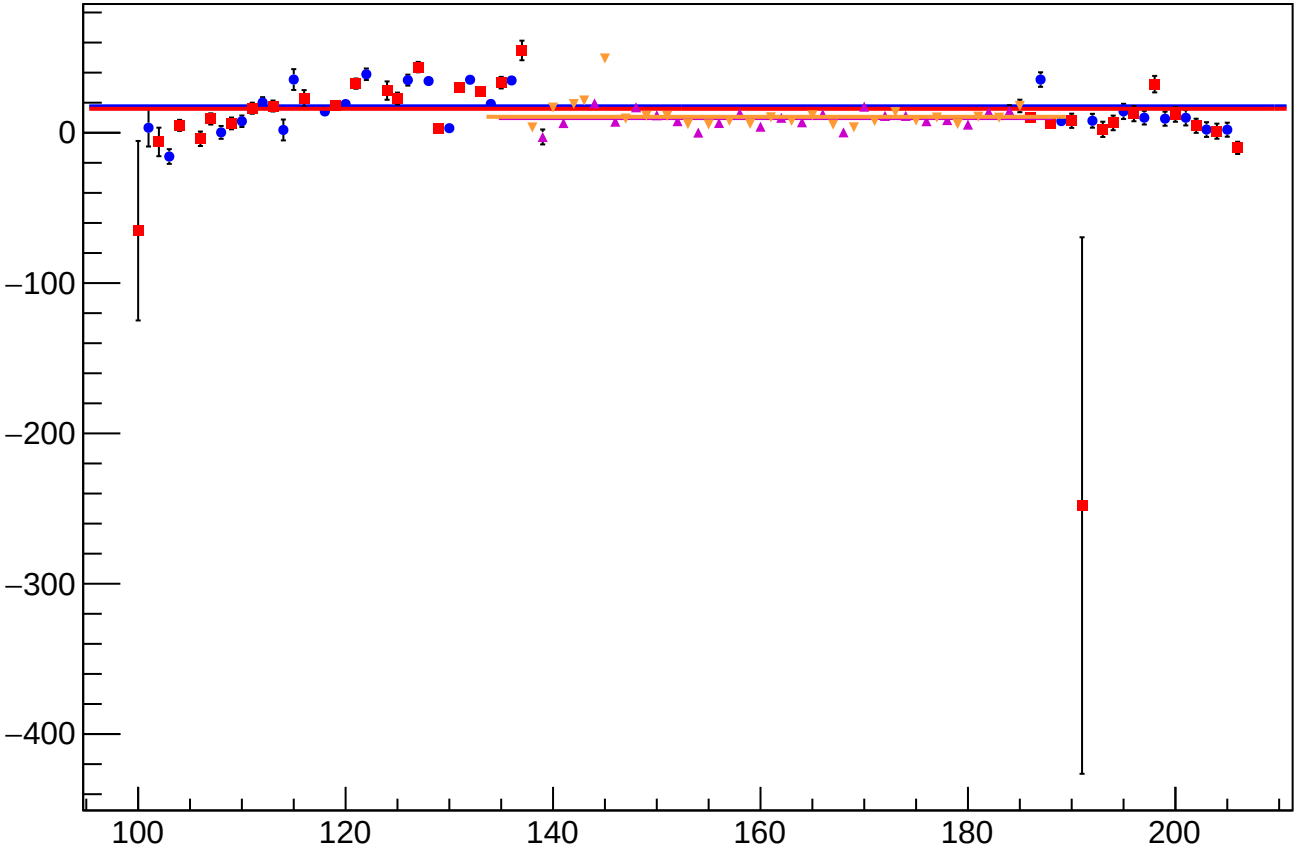
Left In: -54.499+/-0.606 χ^2/NDF:500.4/22

\+ sign -62.878+/-0.447 χ^2/NDF: 3054.8/49

All: -62.744+/-0.308 χ^2/NDF: 8012.1/103

\- sign -62.622+/-0.425 χ^2/NDF: 4957.1/53

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 17.581+/-0.751 χ^2/NDF: 311.2/24

Left Out: 10.603+/-0.449 χ^2/NDF:255.2/24

Right Out: 15.939+/-0.679 χ^2/NDF: 361.1/30

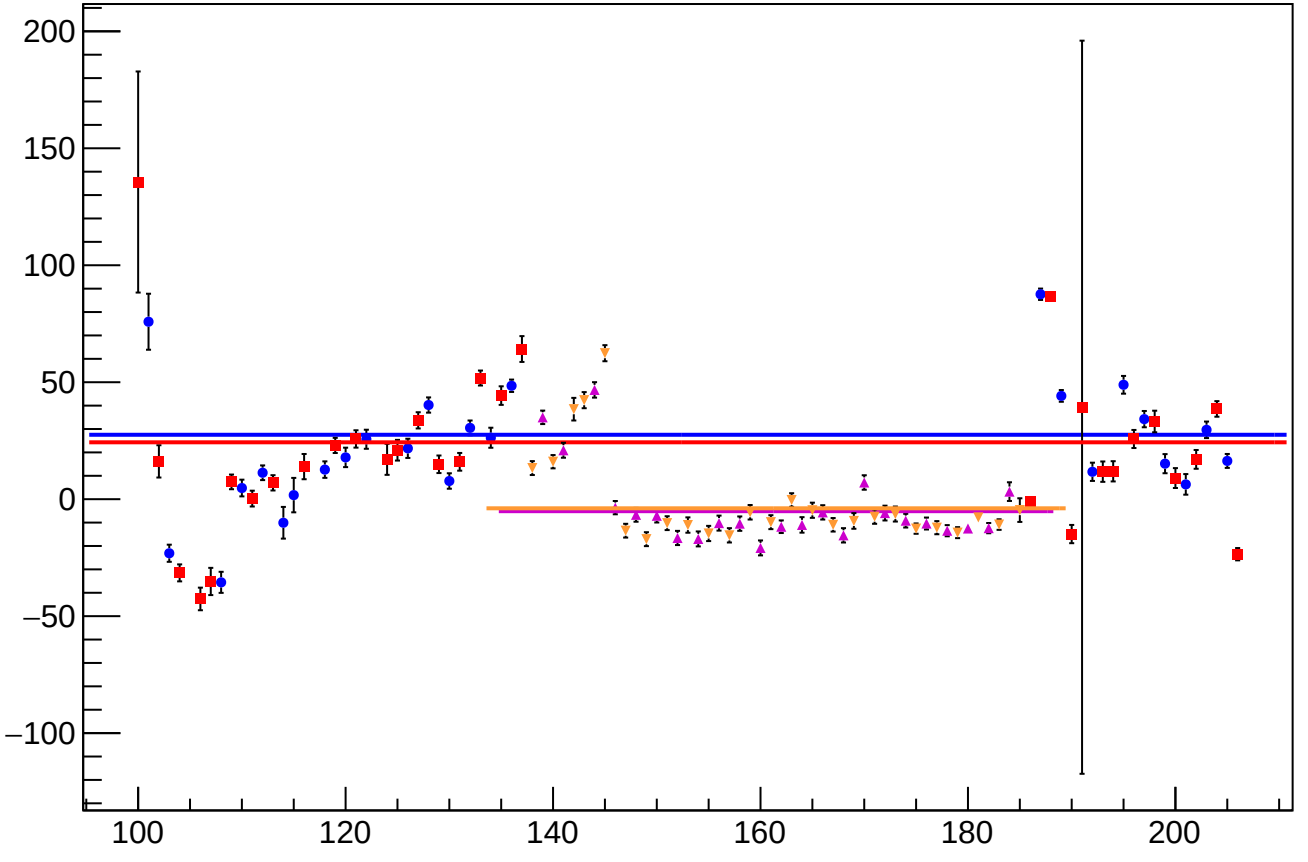
Left In: 9.765+/-0.467 χ^2/NDF:121.0/22

+ sign 12.442+/-0.386 χ^2/NDF: 629.9/49

All: 12.094+/-0.272 χ^2/NDF: 1169.7/103

- sign 11.747+/-0.385 χ^2/NDF: 538.2/53

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 27.537+/-0.717 χ^2/NDF: 1408.5/24

Left Out: -3.895+/-0.585 χ^2/NDF:850.2/24

Right Out: 24.316+/-0.598 χ^2/NDF: 3665.3/30

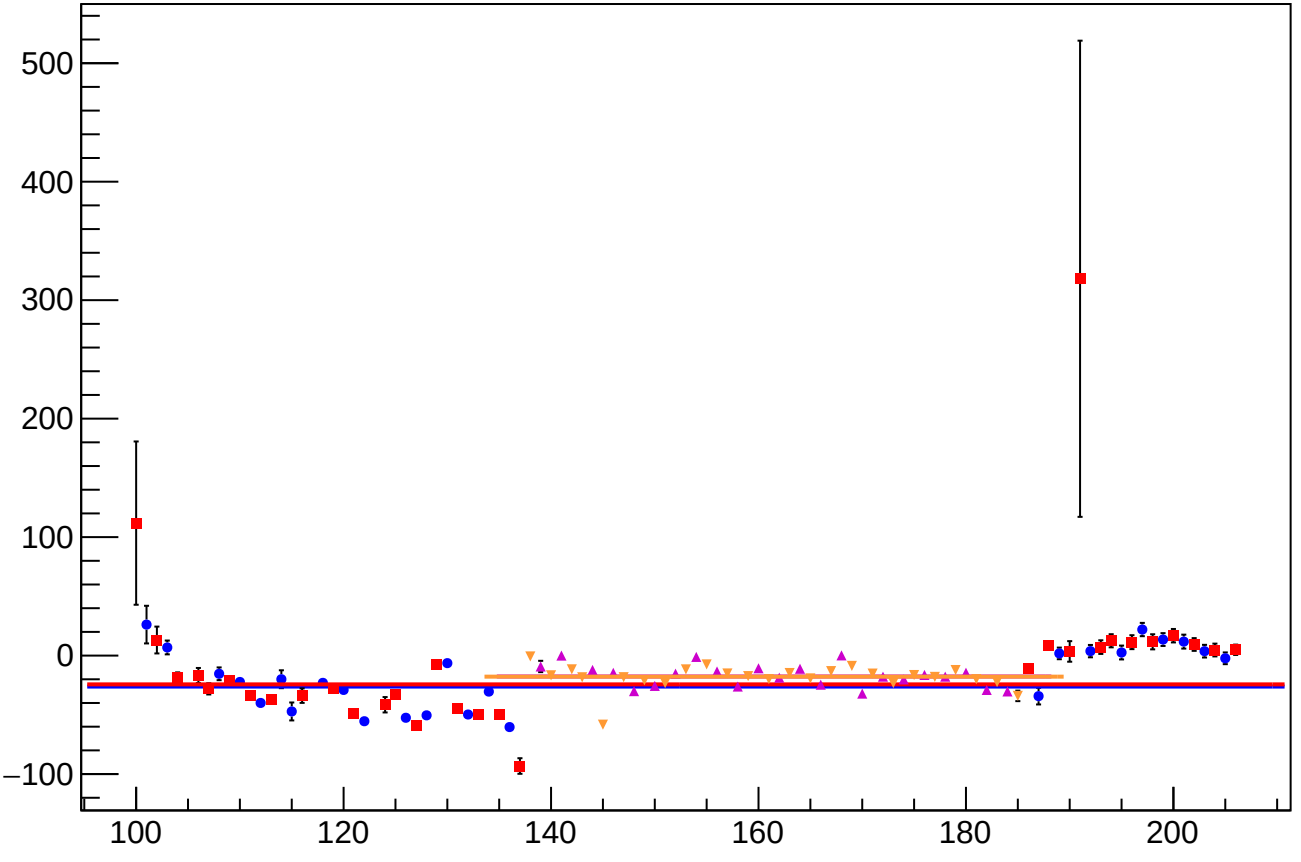
Left In: -5.124+/-0.600 χ^2/NDF:649.7/22

+ sign 8.661+/-0.453 χ^2/NDF: 3411.6/49

All: 9.175+/-0.310 χ^2/NDF: 8936.6/103

- sign 9.624+/-0.424 χ^2/NDF: 5522.7/53

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -26.146+/-0.871 χ^2/NDF: 738.7/24

Left Out: -17.776+/-0.509 χ^2/NDF:251.6/24

Right Out: -24.293+/-0.811 χ^2/NDF: 896.0/30

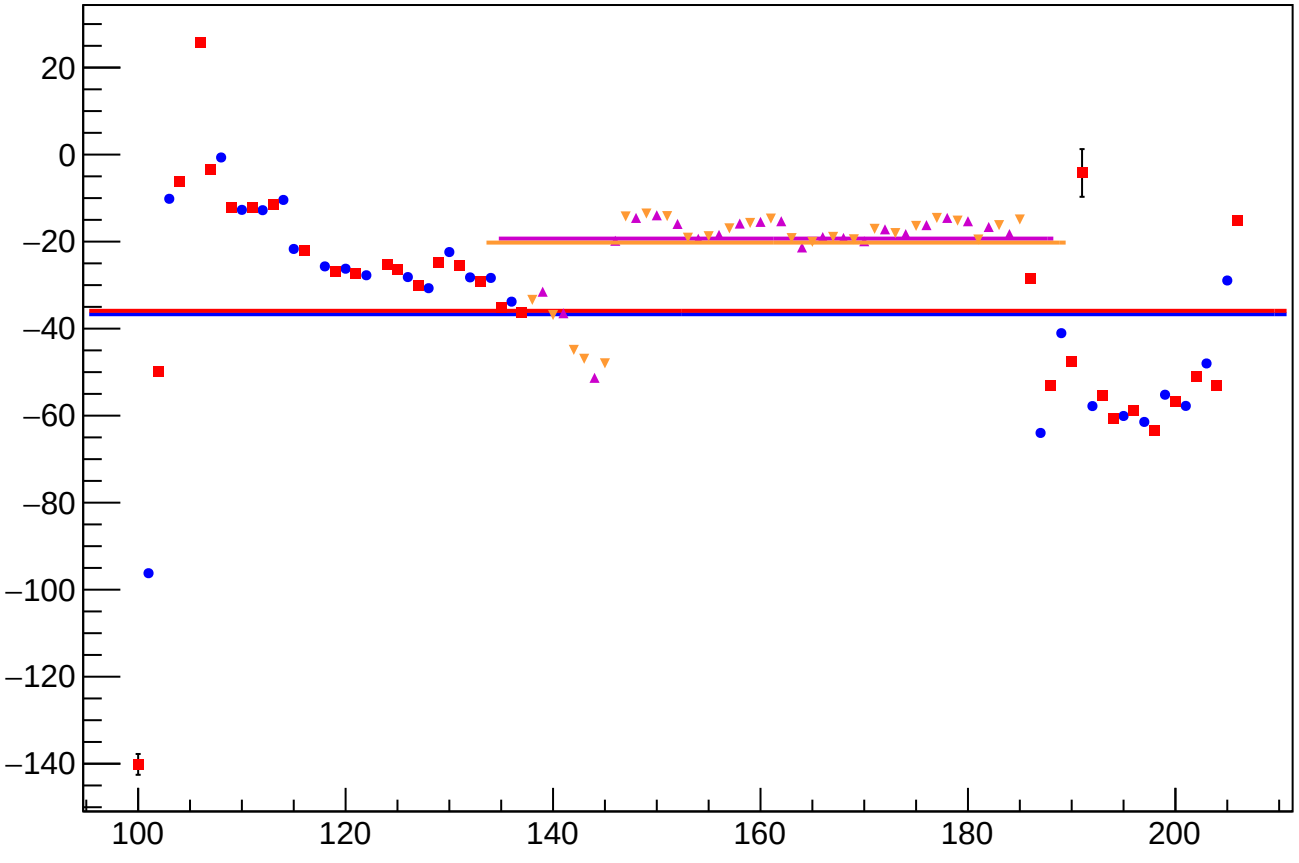
Left In: -17.643+/-0.526 χ^2/NDF:285.9/22

+ sign -19.905+/-0.439 χ^2/NDF: 1059.1/49

All: -19.759+/-0.311 χ^2/NDF: 2288.5/103

- sign -19.613+/-0.441 χ^2/NDF: 1229.3/53

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -36.690+/-0.043 χ^2/NDF: 198415.2/24

Left Out: -20.227+/-0.023 χ^2/NDF:147352.7/24

Right Out: -35.906+/-0.040 χ^2/NDF: 291664.7/30

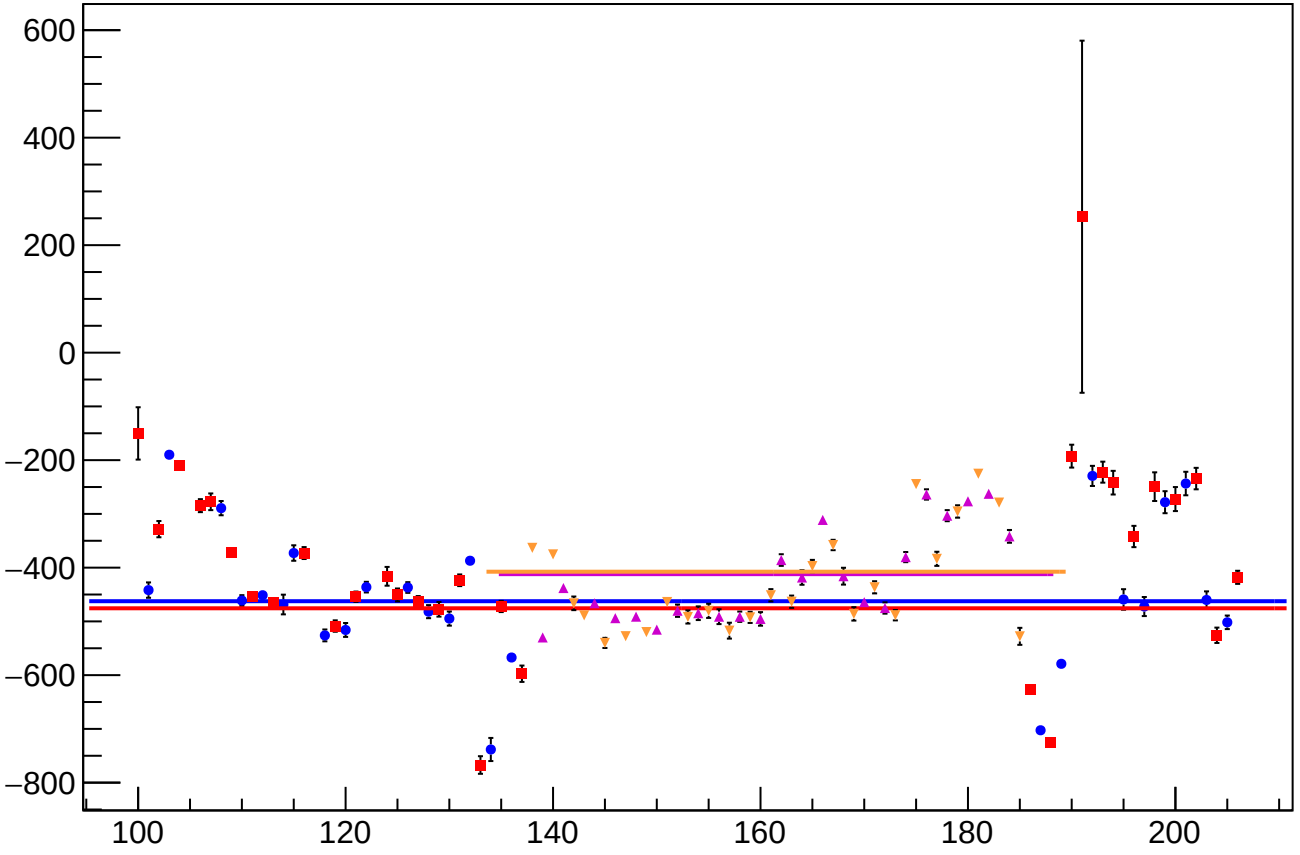
Left In: -19.310+/-0.023 χ^2/NDF:93090.9/22

+ sign -23.871+/-0.020 χ^2/NDF: 460613.0/49

All: -23.652+/-0.014 χ^2/NDF: 971985.2/103

- sign -23.432+/-0.020 χ^2/NDF: 511134.8/53

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -462.432+/-2.322 χ^2/NDF: 2816.2/24

Left Out: -407.554+/-1.951 χ^2/NDF:2872.6/24

Right Out: -475.625+/-2.029 χ^2/NDF: 6112.1/30

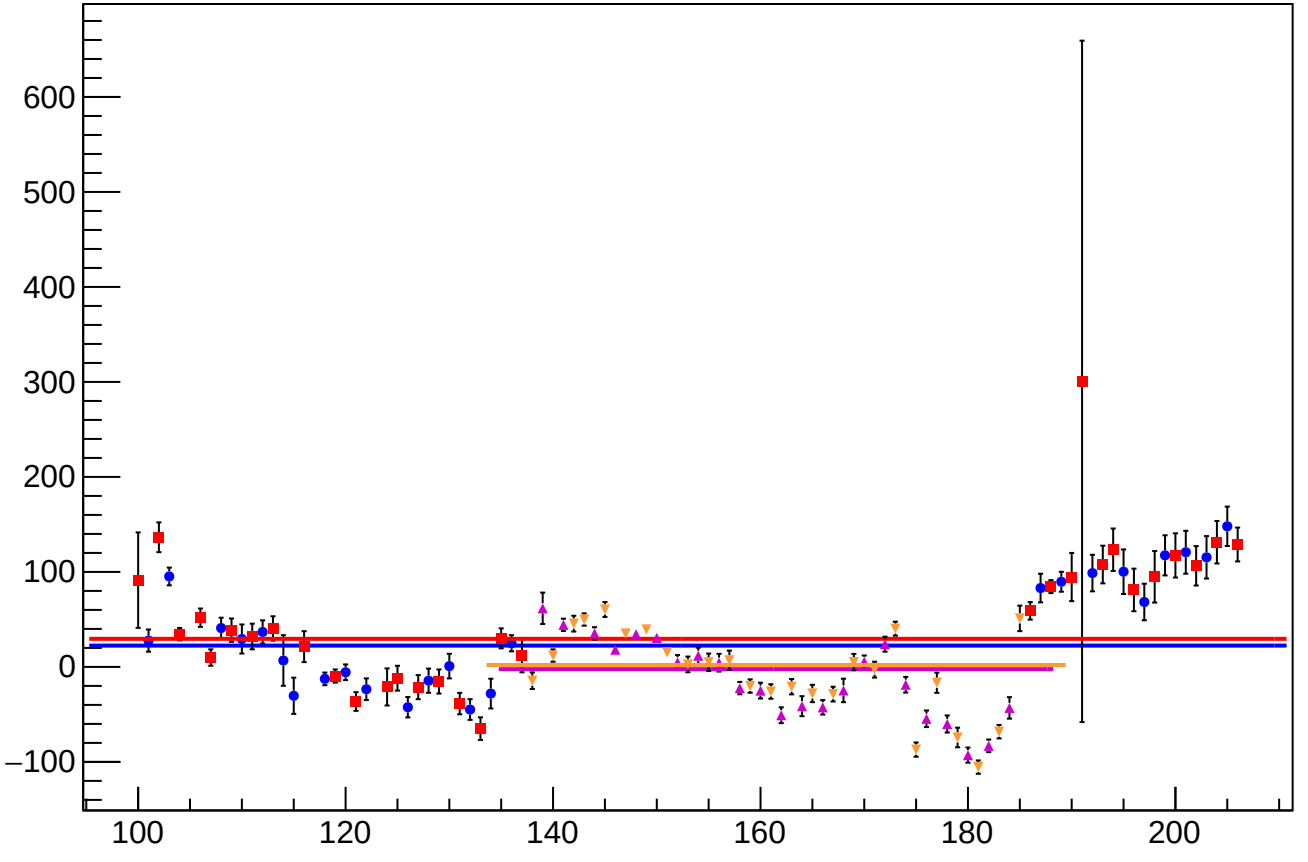
Left In: -412.102+/-2.008 χ^2/NDF:2182.3/22

+ sign -430.270+/-1.494 χ^2/NDF: 6016.3/49

All: -437.206+/-1.032 χ^2/NDF: 14847.1/103

- sign -443.540+/-1.427 χ^2/NDF: 8789.5/53

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 22.442+/-2.472 χ^2/NDF: 408.0/24

Left Out: 2.035+/-1.426 χ^2/NDF:910.7/24

Right Out: 29.565+/-2.208 χ^2/NDF: 489.7/30

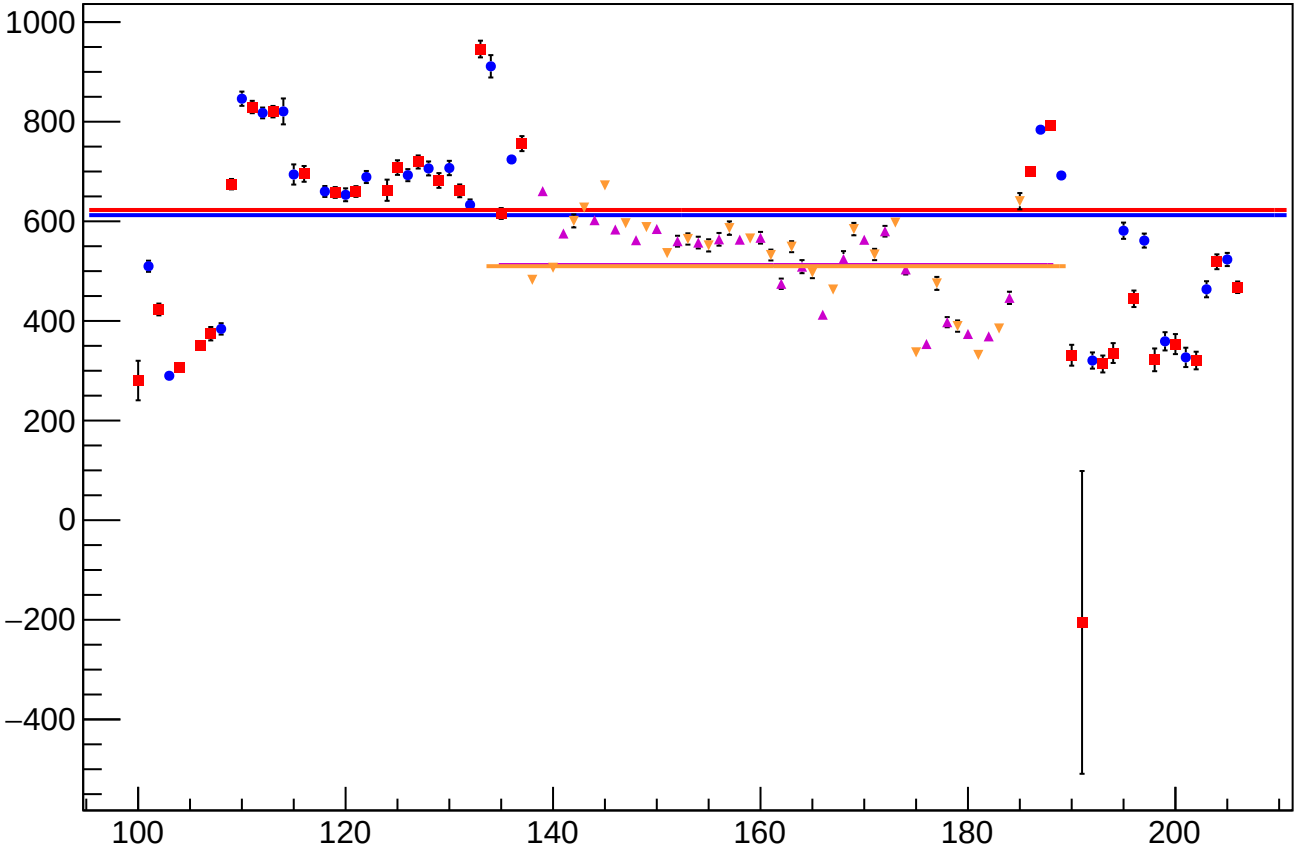
Left In: -2.365+/-1.482 χ^2/NDF:733.4/22

+ sign 7.129+/-1.235 χ^2/NDF: 1369.9/49

All: 7.342+/-0.872 χ^2/NDF: 2737.1/103

- sign 7.554+/-1.231 χ^2/NDF: 1367.2/53

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 612.377+/-2.350 χ^2/NDF: 5379.7/24

Left Out: 509.912+/-1.936 χ^2/NDF:2662.6/24

Right Out: 622.772+/-1.981 χ^2/NDF: 8806.5/30

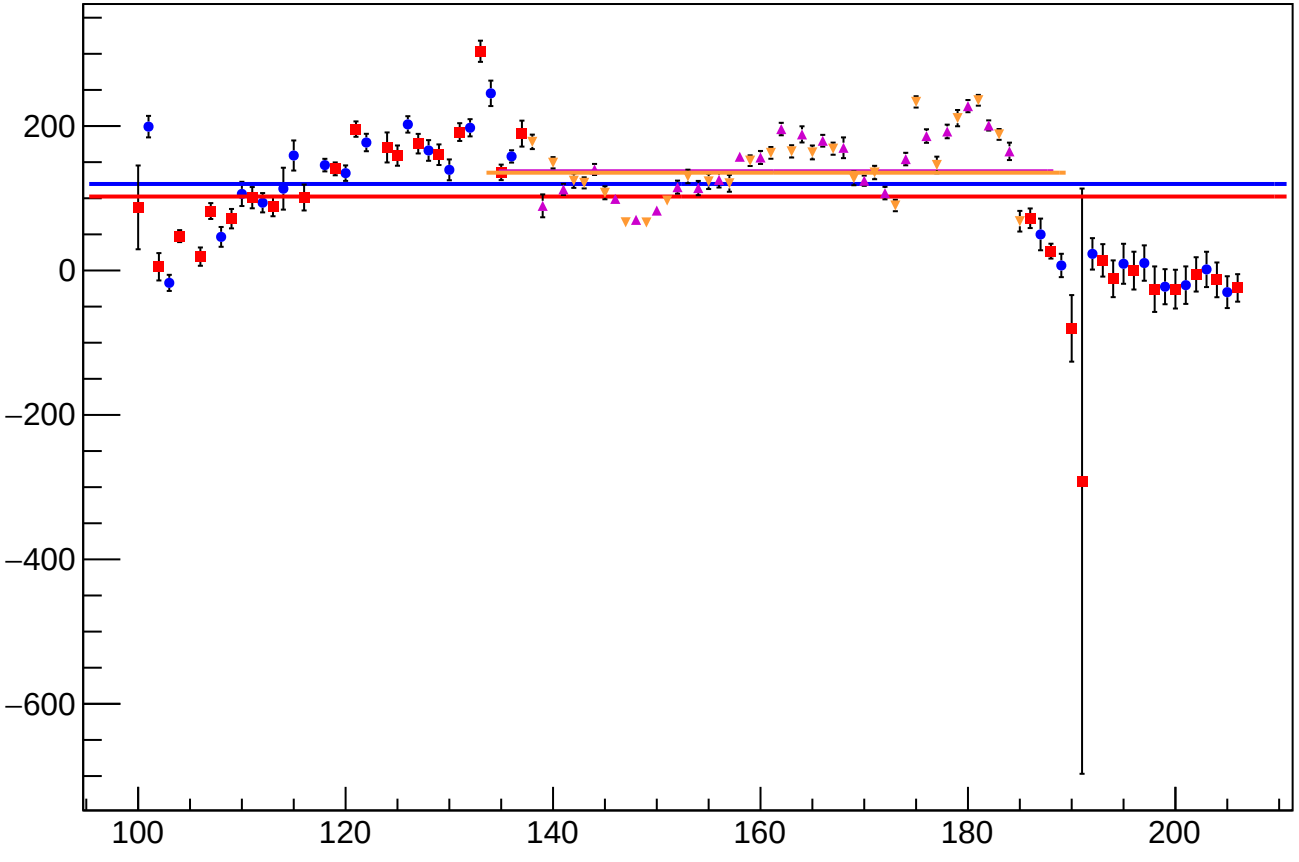
Left In: 512.270+/-1.984 χ^2/NDF:2087.6/22

\+ sign 551.325+/-1.494 χ^2/NDF: 9174.9/49

All: 559.986+/-1.022 χ^2/NDF: 21685.9/103

\- sign 567.608+/-1.402 χ^2/NDF: 12447.9/53

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 119.786+/-2.904 χ^2/NDF: 675.3/24

Left Out: 135.407+/-1.649 χ^2/NDF:923.2/24

Right Out: 102.390+/-2.656 χ^2/NDF: 818.3/30

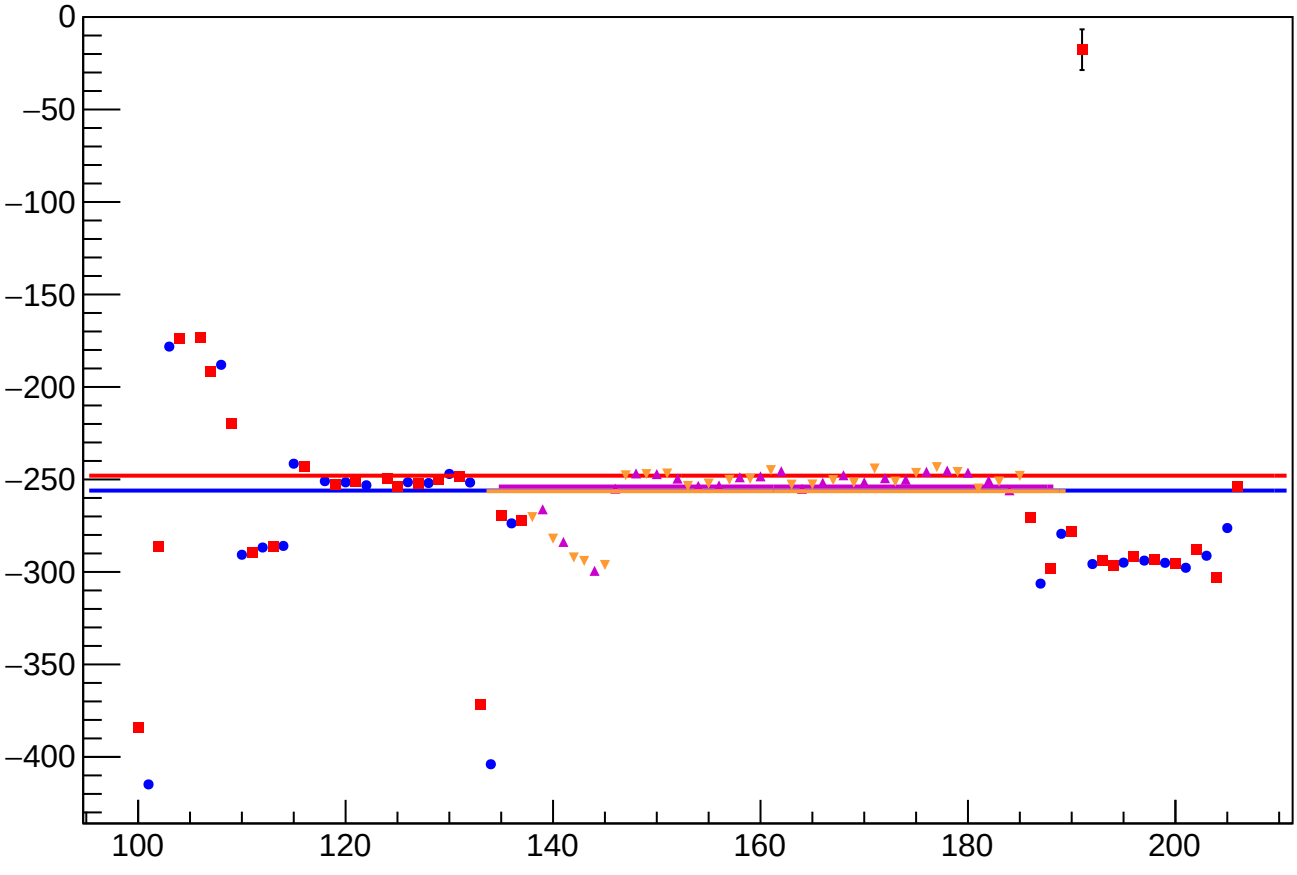
Left In: 137.374+/-1.702 χ^2/NDF:706.0/22

+ sign 131.598+/-1.434 χ^2/NDF: 1620.3/49

All: 129.394+/-1.014 χ^2/NDF: 3272.3/103

- sign 127.191+/-1.433 χ^2/NDF: 1647.2/53

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -256.014+/-0.140 χ^2/NDF: 197834.9/24

Left Out: -256.344+/-0.077 χ^2/NDF:39513.4/24

Right Out: -247.950+/-0.131 χ^2/NDF: 148464.4/30

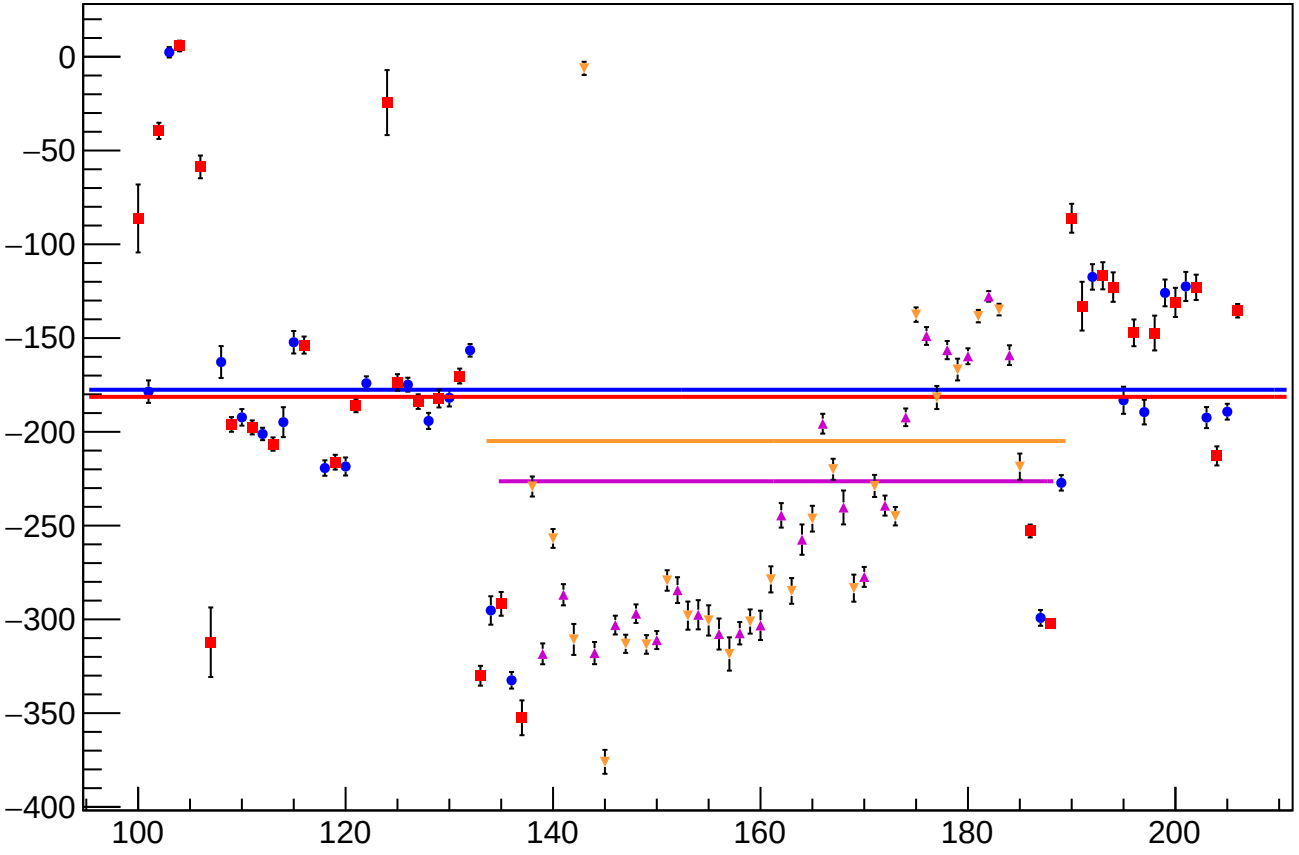
Left In: -253.817+/-0.078 χ^2/NDF:24076.7/22

+ sign -256.267+/-0.067 χ^2/NDF: 237352.6/49

All: -254.262+/-0.048 χ^2/NDF: 413128.9/103

- sign -252.288+/-0.067 χ^2/NDF: 174022.3/53

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -177.563+/-0.926 χ^2/NDF: 7155.9/24

Left Out: -204.891+/-1.052 χ^2/NDF:7826.3/24

Right Out: -181.354+/-0.832 χ^2/NDF: 11560.8/30

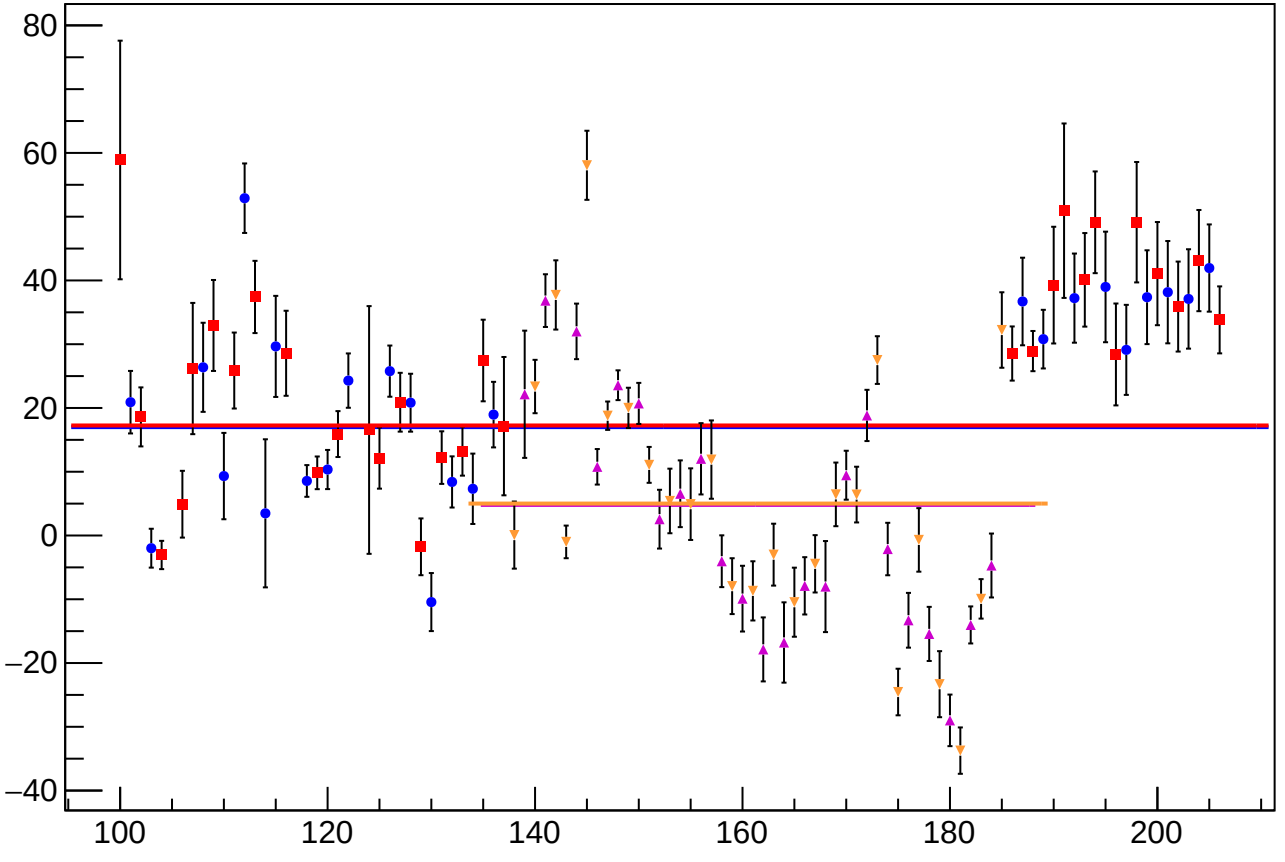
Left In: -226.365+/-1.105 χ^2/NDF:4219.0/22

+ sign -189.492+/-0.695 χ^2/NDF: 15362.4/49

All: -193.750+/-0.480 χ^2/NDF: 32272.9/103

- sign -197.645+/-0.665 χ^2/NDF: 16838.6/53

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 17.000+/-0.973 χ^2/NDF: 228.2/24

Left Out: 5.006+/-0.793 χ^2/NDF:548.5/24

Right Out: 17.255+/-0.893 χ^2/NDF: 259.2/30

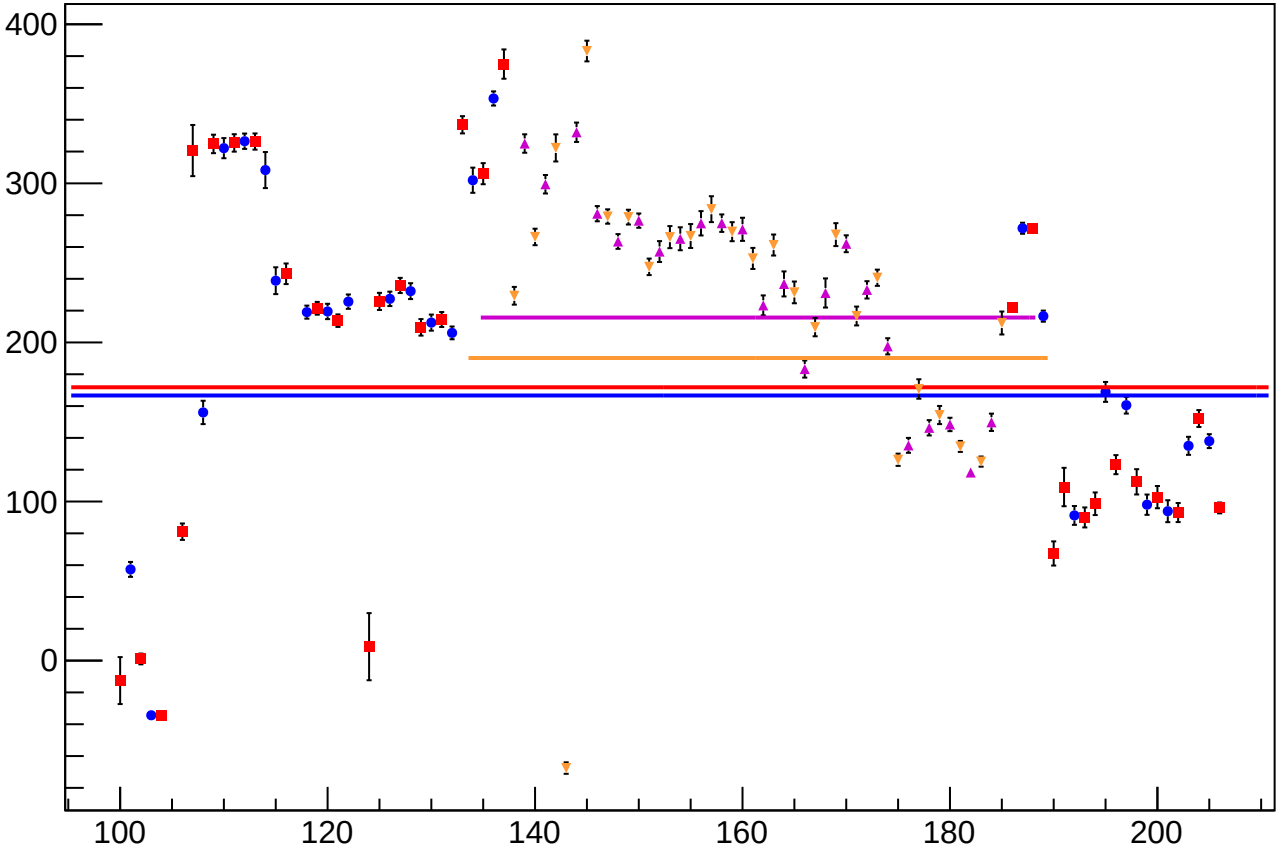
Left In: 4.799+/-0.846 χ^2/NDF:426.3/22

+ sign 9.798+/-0.615 χ^2/NDF: 868.0/49

All: 10.247+/-0.435 χ^2/NDF: 1657.0/103

- sign 10.695+/-0.614 χ^2/NDF: 788.0/53

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 166.657+/-0.931 χ^2/NDF: 15567.7/24

Left Out: 190.219+/-1.050 χ^2/NDF:9384.0/24

Right Out: 171.820+/-0.808 χ^2/NDF: 21367.2/30

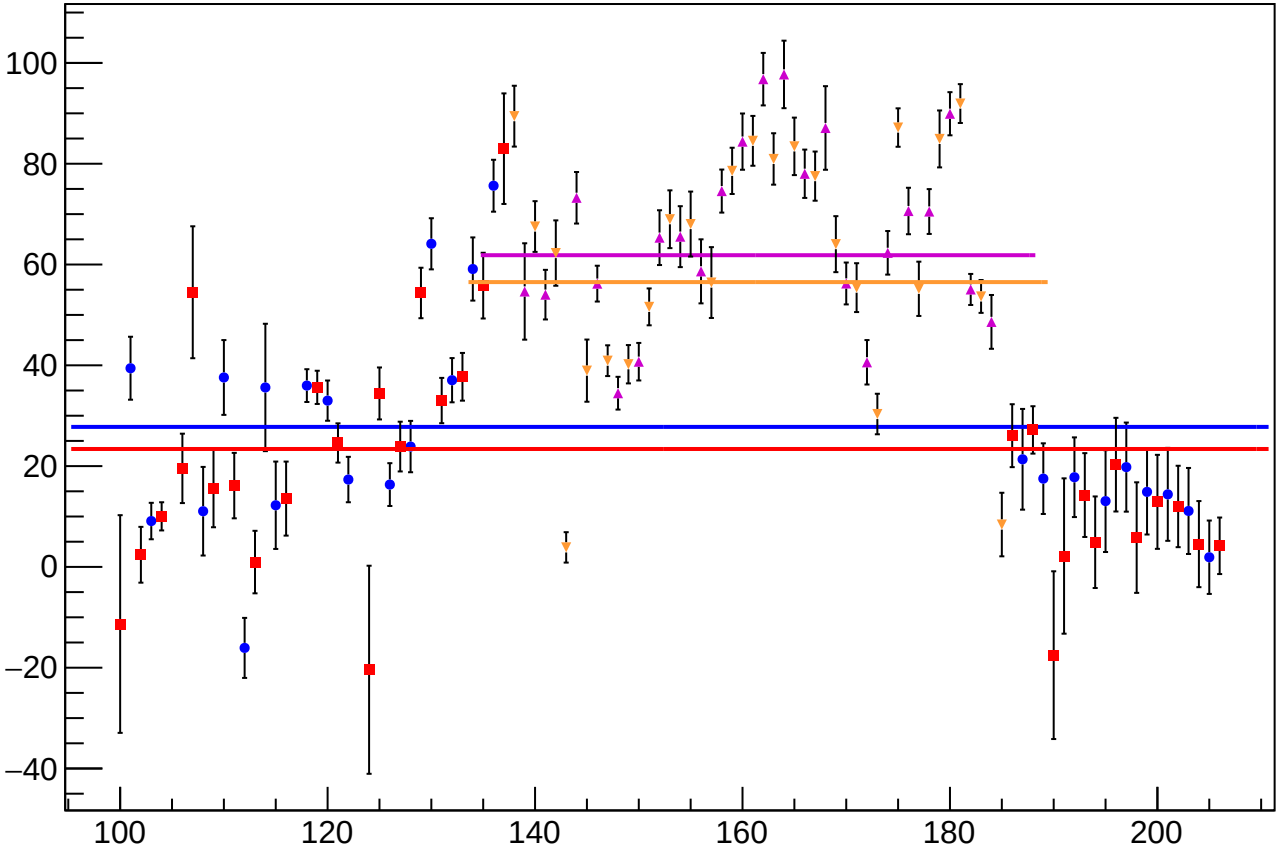
Left In: 215.649+/-1.098 χ^2/NDF:3886.0/22

+ sign 177.022+/-0.696 χ^2/NDF: 25233.7/49

All: 182.457+/-0.475 χ^2/NDF: 51634.7/103

- sign 187.202+/-0.651 χ^2/NDF: 26286.9/53

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 27.781+/-1.145 χ^2/NDF: 309.6/24

Left Out: 56.514+/-0.909 χ^2/NDF:798.9/24

Right Out: 23.399+/-1.068 χ^2/NDF: 228.7/30

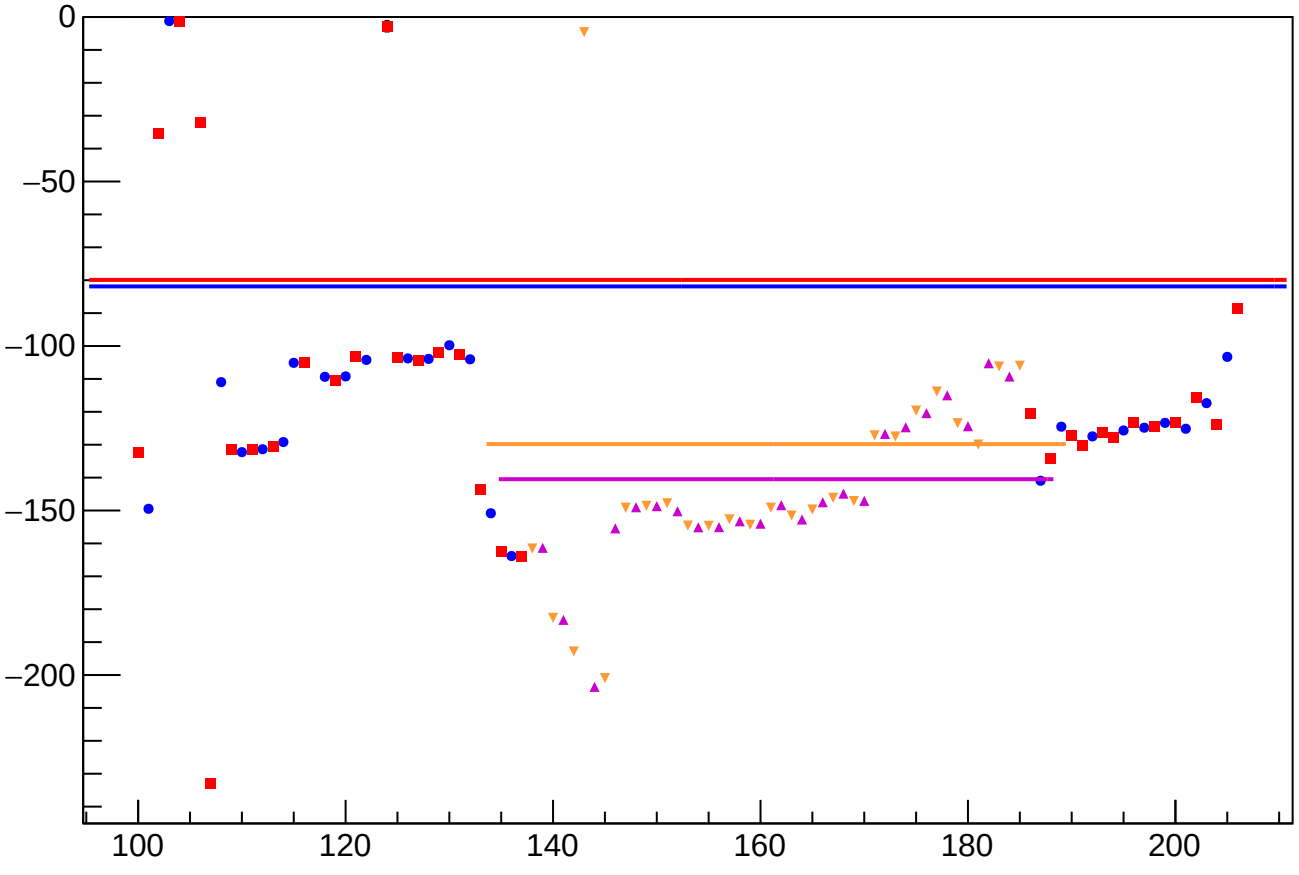
Left In: 61.850+/-0.961 χ^2/NDF:320.7/22

+ sign 45.407+/-0.712 χ^2/NDF: 1494.7/49

All: 45.022+/-0.504 χ^2/NDF: 2760.9/103

- sign 44.635+/-0.714 χ^2/NDF: 1265.5/53

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -81.881+/-0.054 χ^2/NDF: 1295209.0/24

Left Out: -129.810+/-0.042 χ^2/NDF:1025155.0/24

Right Out: -79.901+/-0.050 χ^2/NDF: 1255989.4/30

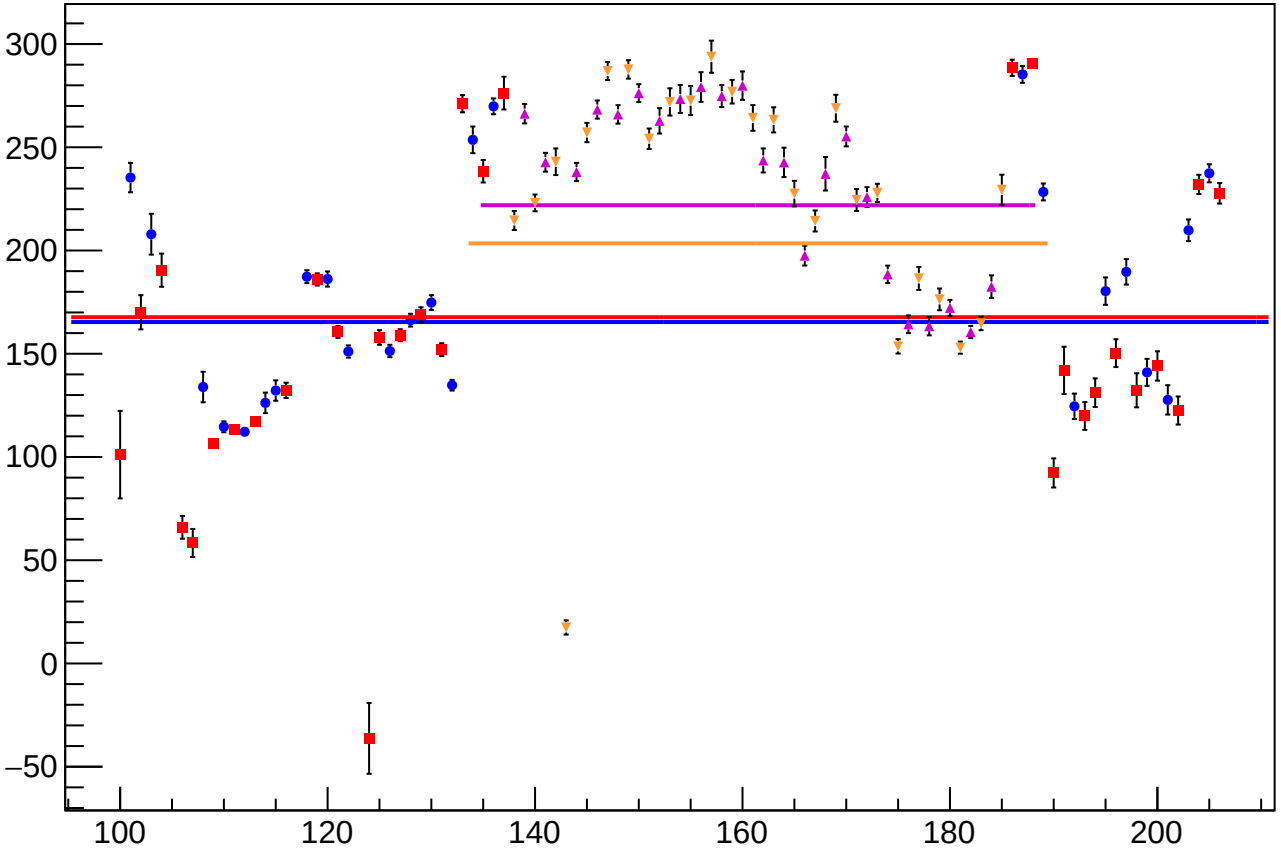
Left In: -140.477+/-0.044 χ^2/NDF:254660.0/22

+ sign -111.476+/-0.033 χ^2/NDF: 2814643.2/49

All: -112.827+/-0.023 χ^2/NDF: 5164778.7/10

- sign -114.155+/-0.033 χ^2/NDF: 2346837.7/53

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 165.355+/-0.778 χ^2/NDF: 3998.4/24

Left Out: 203.453+/-0.953 χ^2/NDF:5491.5/24

Right Out: 167.692+/-0.711 χ^2/NDF: 8443.2/30

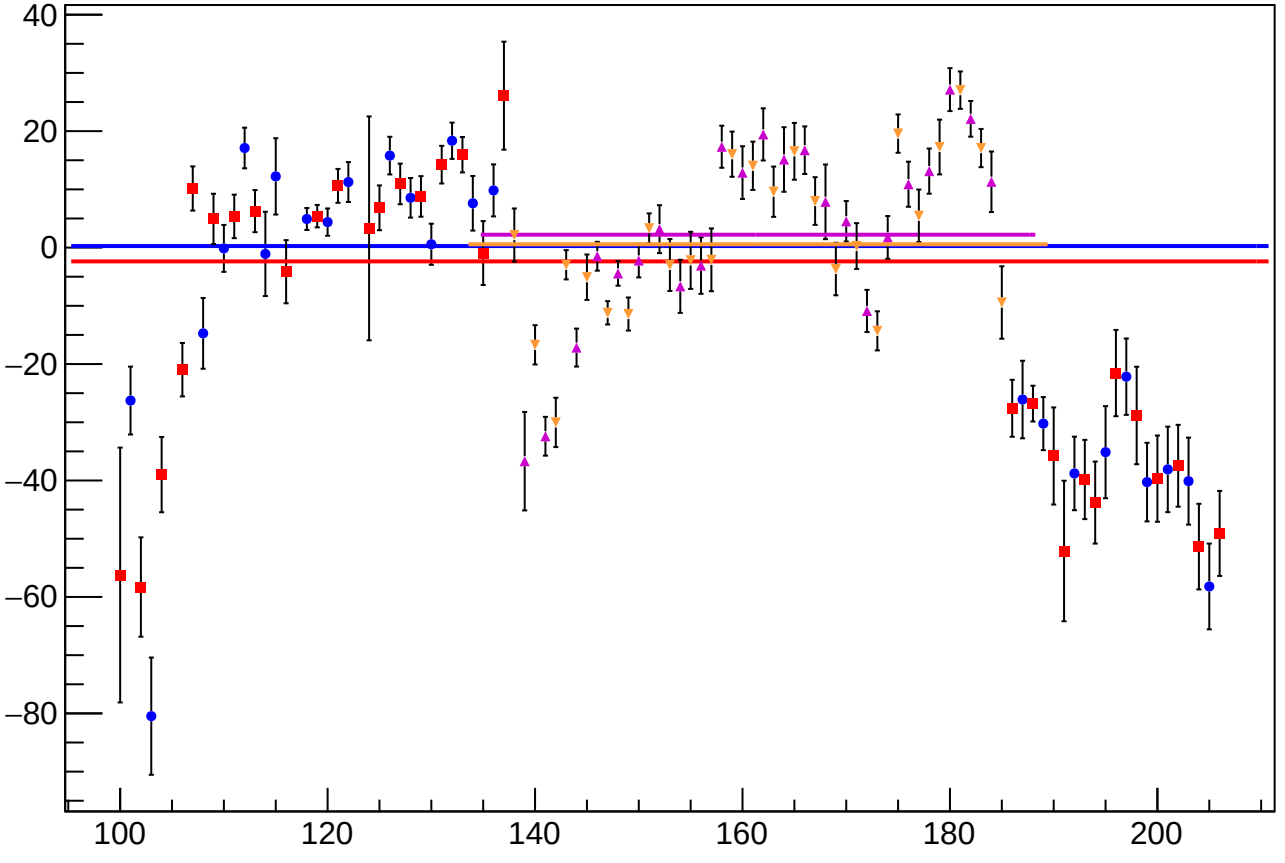
Left In: 221.923+/-1.003 χ^2/NDF:1986.7/22

+ sign 180.601+/-0.603 χ^2/NDF: 10448.6/49

All: 183.324+/-0.418 χ^2/NDF: 22862.9/103

- sign 185.847+/-0.580 χ^2/NDF: 12375.0/53

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 0.262+/-0.824 χ^2/NDF: 493.0/24

Left Out: 0.568+/-0.716 χ^2/NDF:345.4/24

Right Out: -2.367+/-0.795 χ^2/NDF: 600.4/30

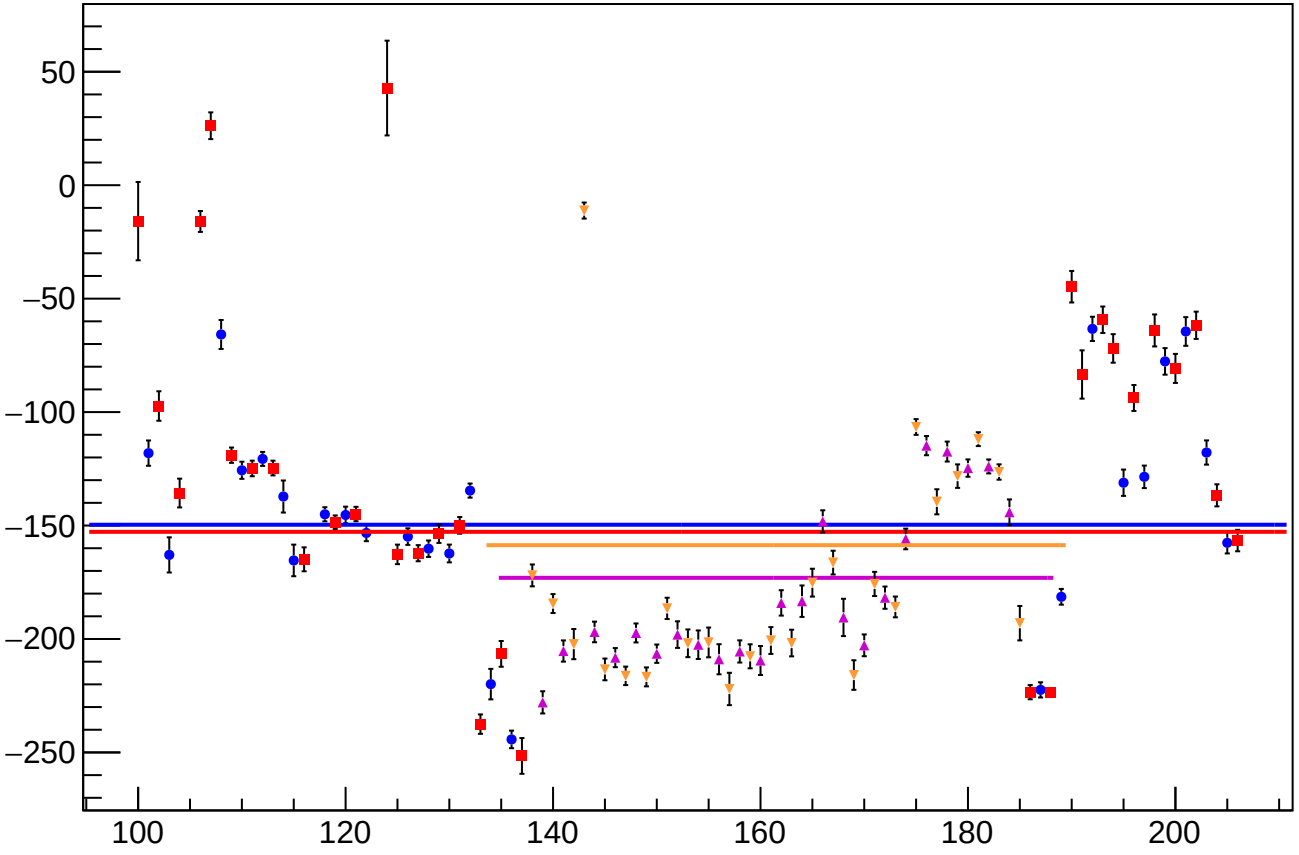
Left In: 2.210+/-0.760 χ^2/NDF:358.2/22

+ sign 0.437+/-0.540 χ^2/NDF: 838.5/49

All: 0.233+/-0.385 χ^2/NDF: 1814.6/103

- sign 0.023+/-0.549 χ^2/NDF: 975.9/53

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -149.644+/-0.857 χ^2/NDF: 2315.5/24

Left Out: -158.658+/-0.951 χ^2/NDF:3491.8/24

Right Out: -152.768+/-0.764 χ^2/NDF: 6414.7/30

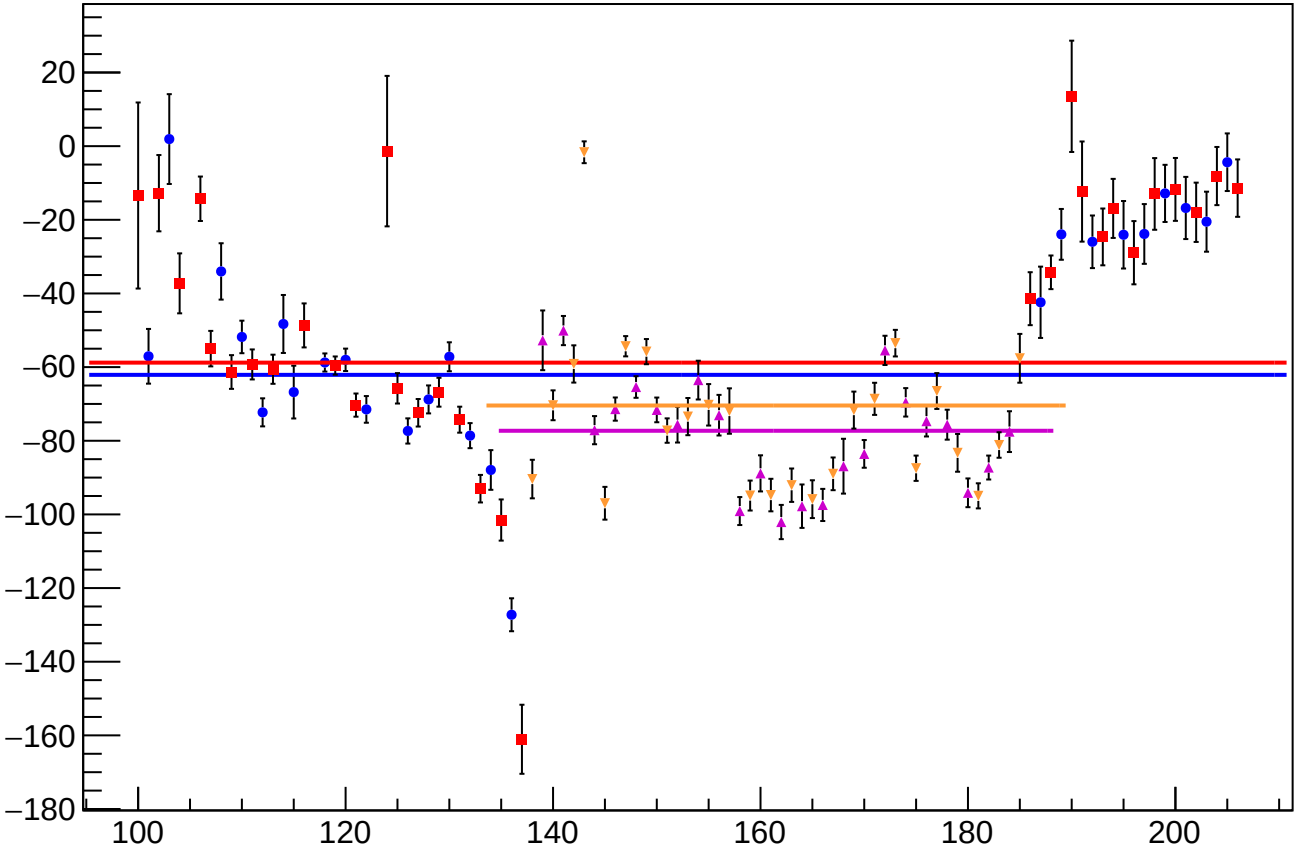
Left In: -173.043+/-0.996 χ^2/NDF:1399.9/22

+ sign -153.684+/-0.636 χ^2/NDF: 5856.9/49

All: -157.145+/-0.439 χ^2/NDF: 13989.0/103

- sign -160.286+/-0.606 χ^2/NDF: 8075.6/53

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -62.104+/-0.964 χ^2/NDF: 600.5/24

Left Out: -70.427+/-0.821 χ^2/NDF:901.6/24

Right Out: -58.784+/-0.933 χ^2/NDF: 695.1/30

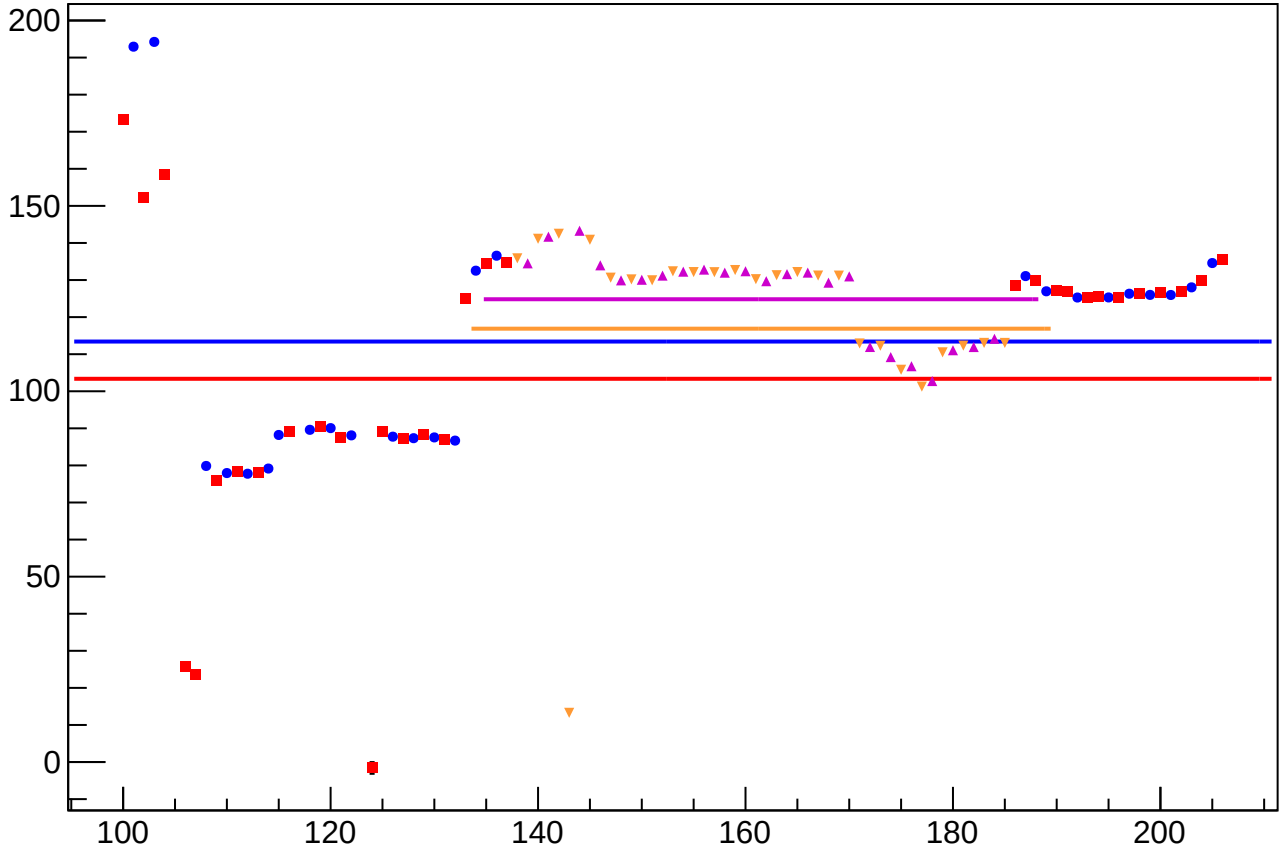
Left In: -77.288+/-0.866 χ^2/NDF:254.3/22

+ sign -66.924+/-0.625 χ^2/NDF: 1545.4/49

All: -67.812+/-0.445 χ^2/NDF: 2710.2/103

- sign -68.726+/-0.635 χ^2/NDF: 1160.7/53

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 113.411+/-0.056 χ^2/NDF: 272910.0/24

Left Out: 116.881+/-0.038 χ^2/NDF:623110.0/24

Right Out: 103.364+/-0.051 χ^2/NDF: 520775.2/30

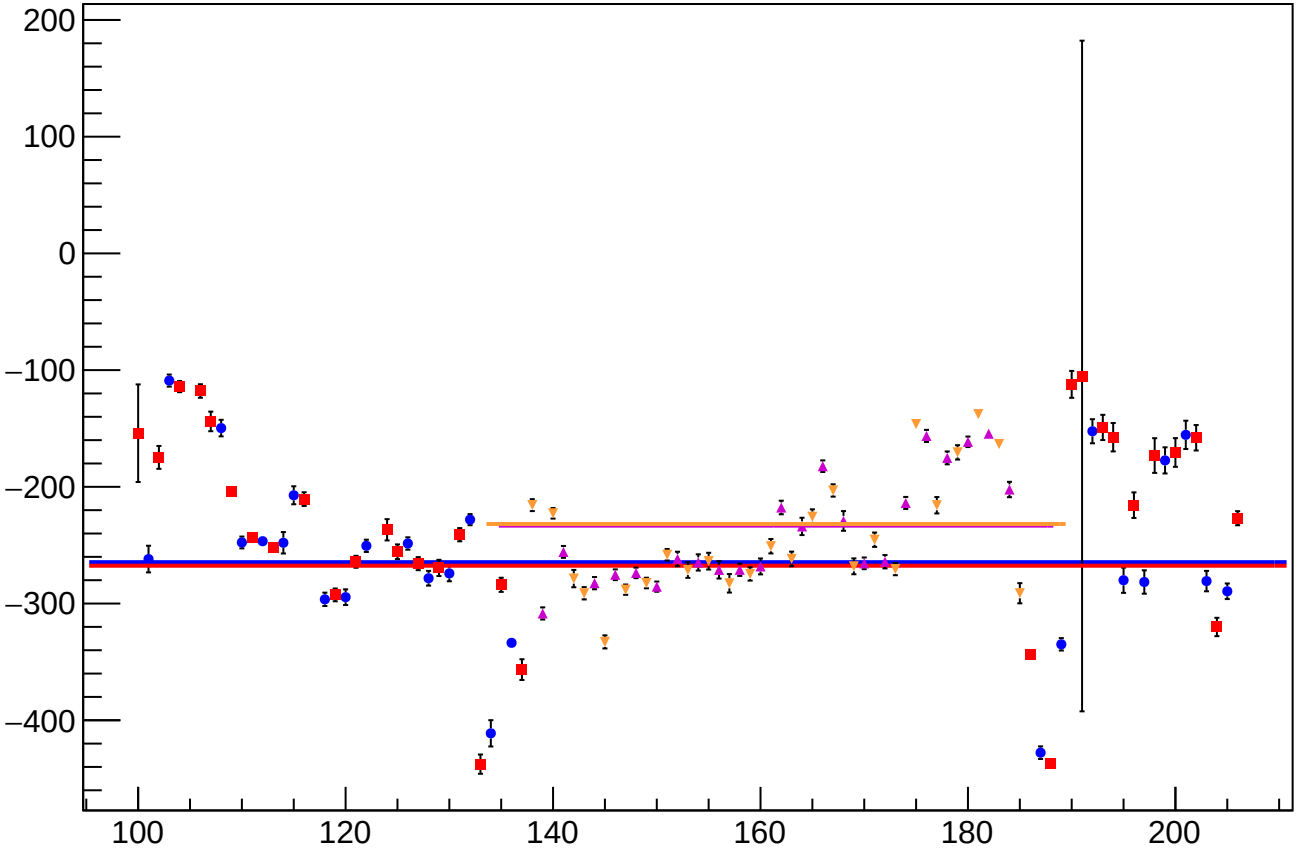
Left In: 124.819+/-0.039 χ^2/NDF:88116.2/22

+ sign 115.792+/-0.032 χ^2/NDF: 898624.6/49

All: 116.321+/-0.022 χ^2/NDF: 1618790.4/103

- sign 116.837+/-0.031 χ^2/NDF: 719610.3/53

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -264.561+/-1.259 χ^2/NDF: 3194.4/24

Left Out: -231.847+/-1.080 χ^2/NDF:2676.6/24

Right Out: -267.597+/-1.092 χ^2/NDF: 7508.3/30

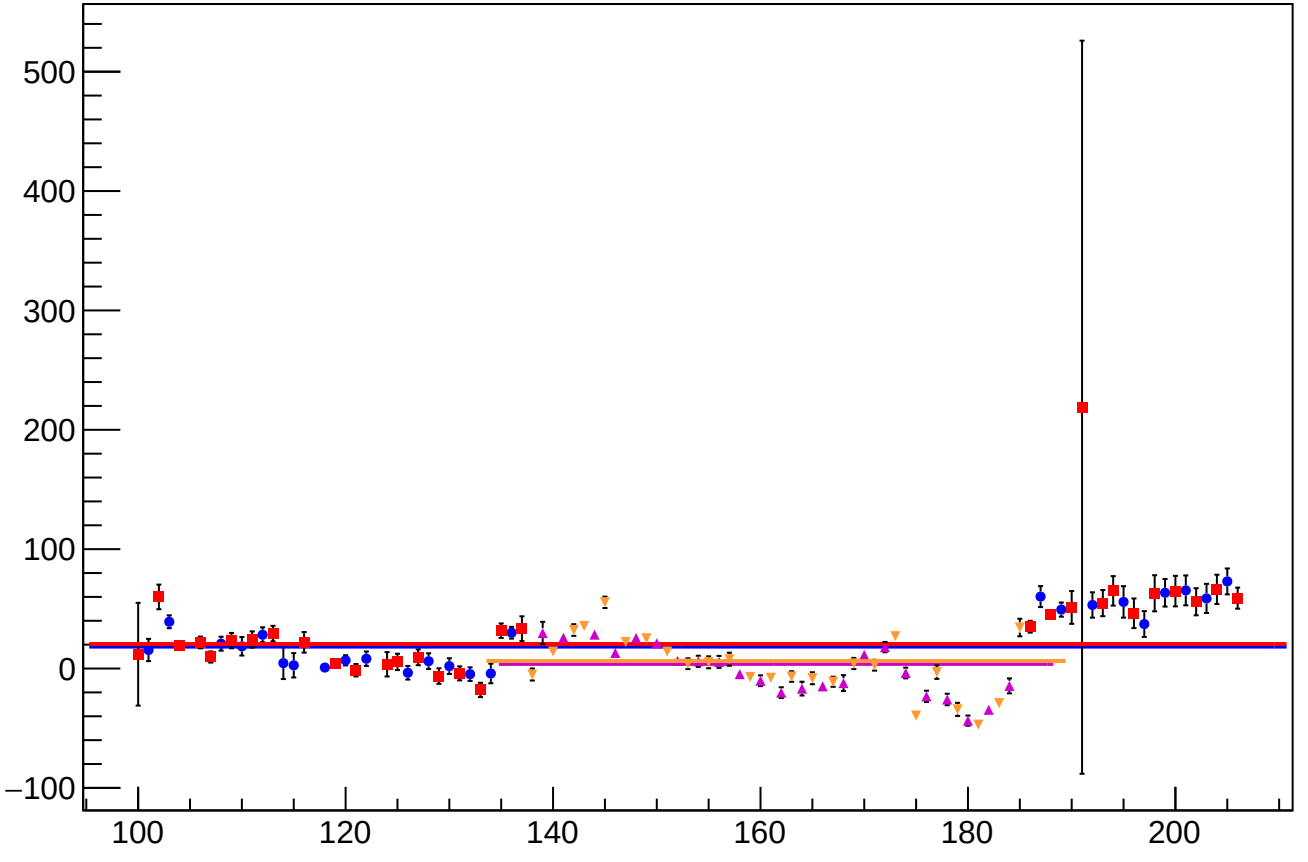
Left In: -233.258+/-1.108 χ^2/NDF:2067.0/22

+ sign -245.722+/-0.820 χ^2/NDF: 6260.0/49

All: -248.323+/-0.564 χ^2/NDF: 16341.7/103

- sign -250.664+/-0.778 χ^2/NDF: 10062.5/53

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 18.387+/-1.341 χ^2/NDF: 248.2/24

Left Out: 6.288+/-0.789 χ^2/NDF:871.5/24

Right Out: 20.523+/-1.193 χ^2/NDF: 294.7/30

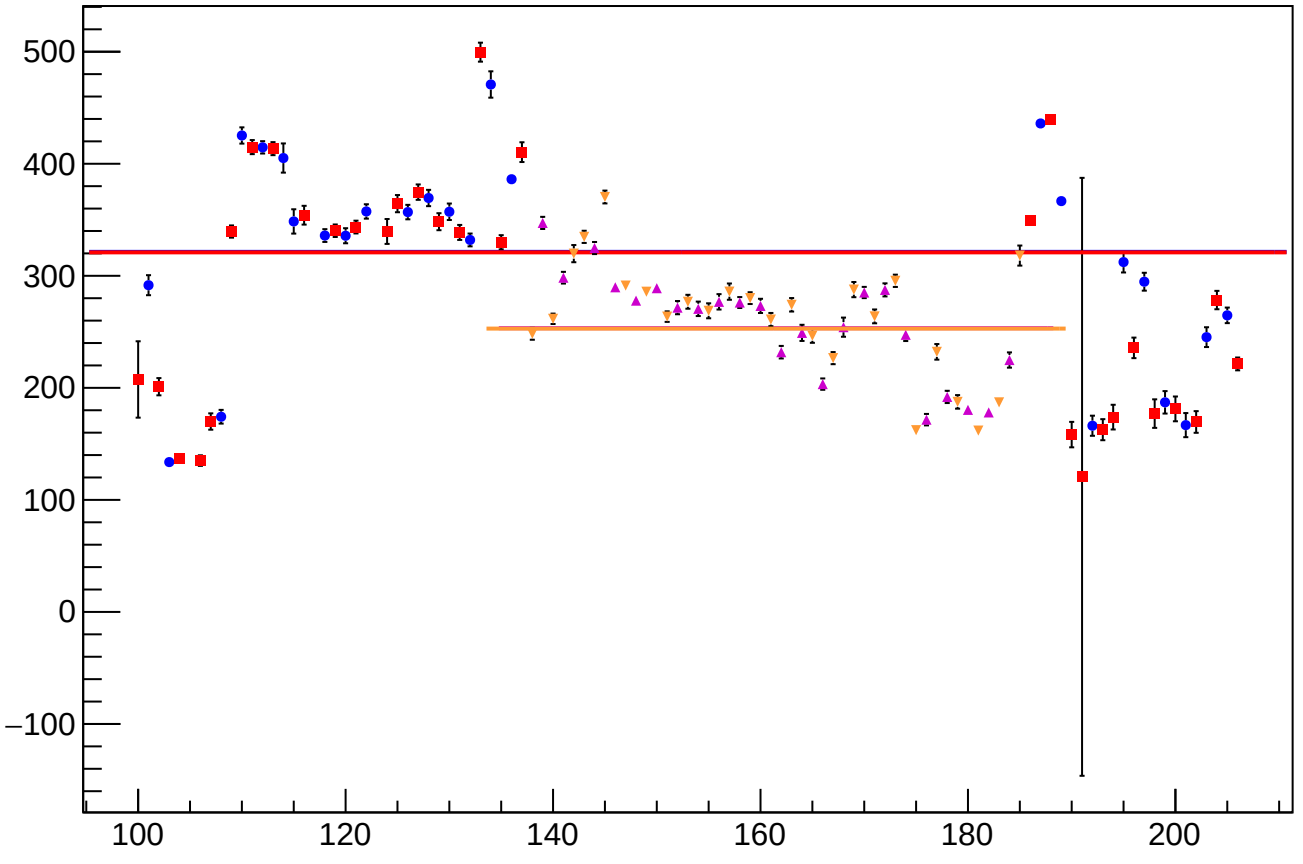
Left In: 3.906+/-0.818 χ^2/NDF:650.3/22

+ sign 9.399+/-0.680 χ^2/NDF: 1180.1/49

All: 9.310+/-0.479 χ^2/NDF: 2257.1/103

- sign 9.221+/-0.675 χ^2/NDF: 1076.9/53

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 321.368+/-1.301 χ^2/NDF: 5401.3/24

Left Out: 252.886+/-1.070 χ^2/NDF:2579.0/24

Right Out: 320.919+/-1.086 χ^2/NDF: 10091.3/30

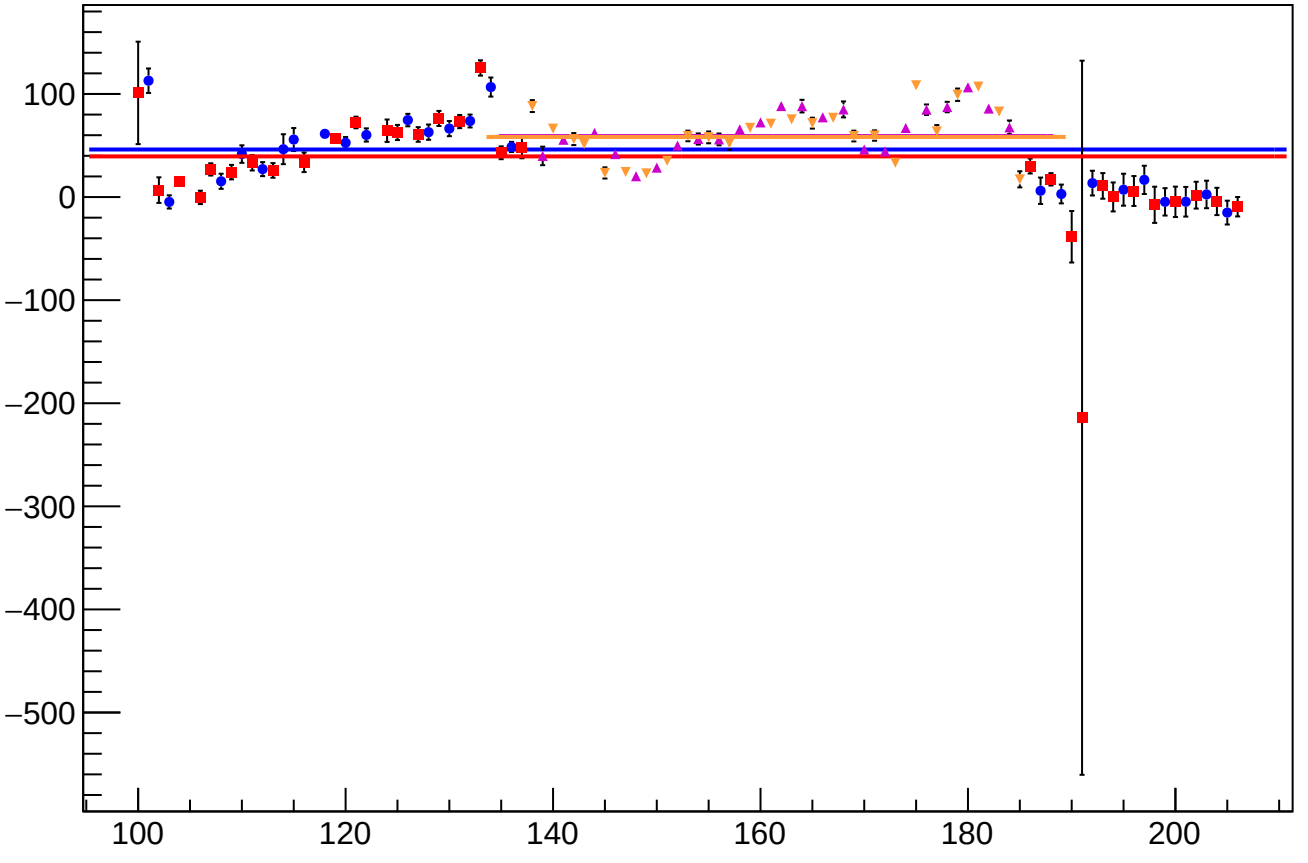
Left In: 253.248+/-1.093 χ^2/NDF:2059.7/22

\+ sign 280.528+/-0.827 χ^2/NDF: 9632.3/49

All: 284.153+/-0.564 χ^2/NDF: 23746.8/103

\- sign 287.304+/-0.771 χ^2/NDF: 14078.6/53

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 46.145+/-1.572 χ^2/NDF: 352.3/24

Left Out: 58.306+/-0.911 χ^2/NDF:850.2/24

Right Out: 39.451+/-1.430 χ^2/NDF: 452.5/30

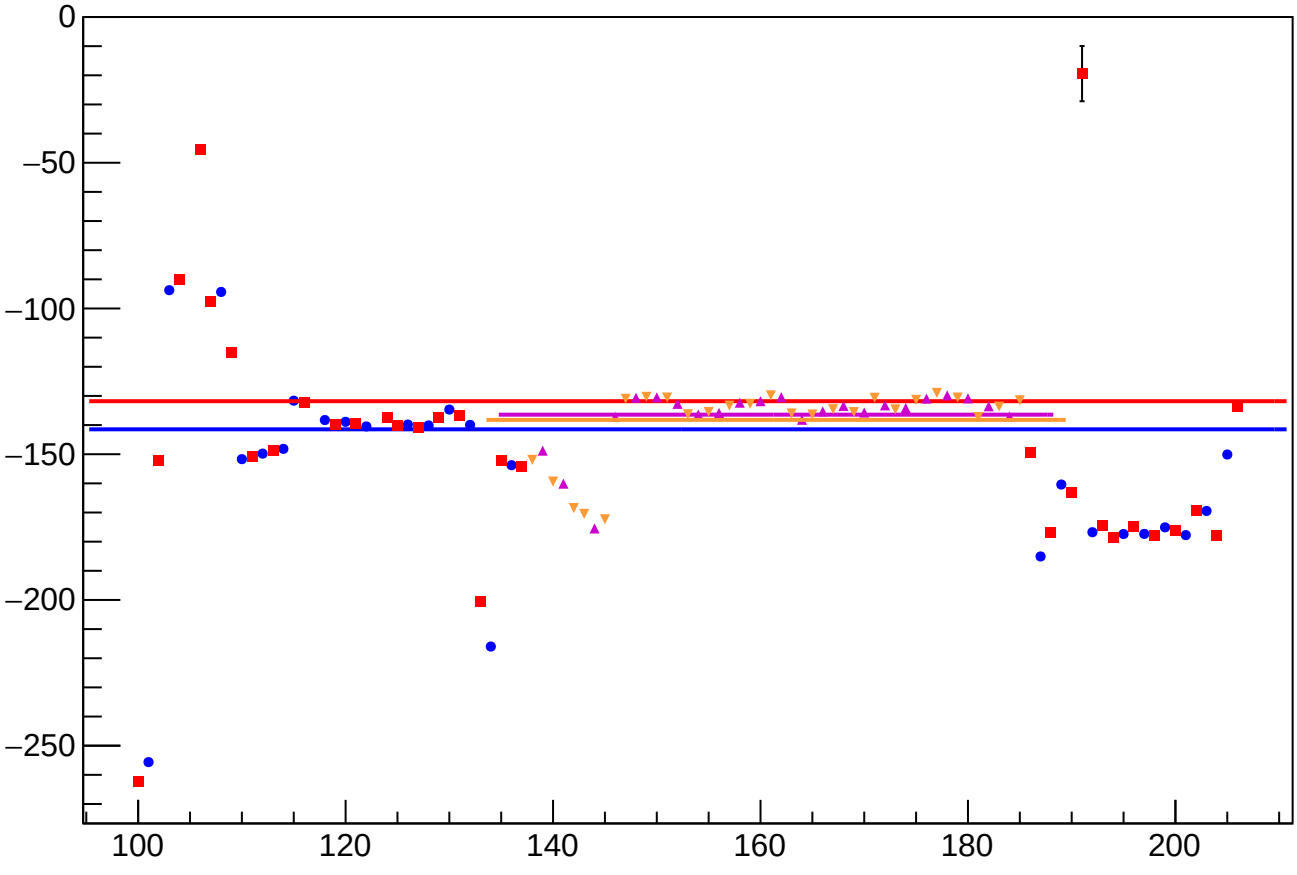
Left In: 59.151+/-0.938 χ^2/NDF:632.4/22

+ sign 55.246+/-0.788 χ^2/NDF: 1247.3/49

All: 54.228+/-0.556 χ^2/NDF: 2468.2/103

- sign 53.220+/-0.785 χ^2/NDF: 1217.6/53

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -141.459+/-0.078 χ^2/NDF: 234468.0/24

Left Out: -138.218+/-0.042 χ^2/NDF:81828.6/24

Right Out: -131.805+/-0.071 χ^2/NDF: 332768.4/30

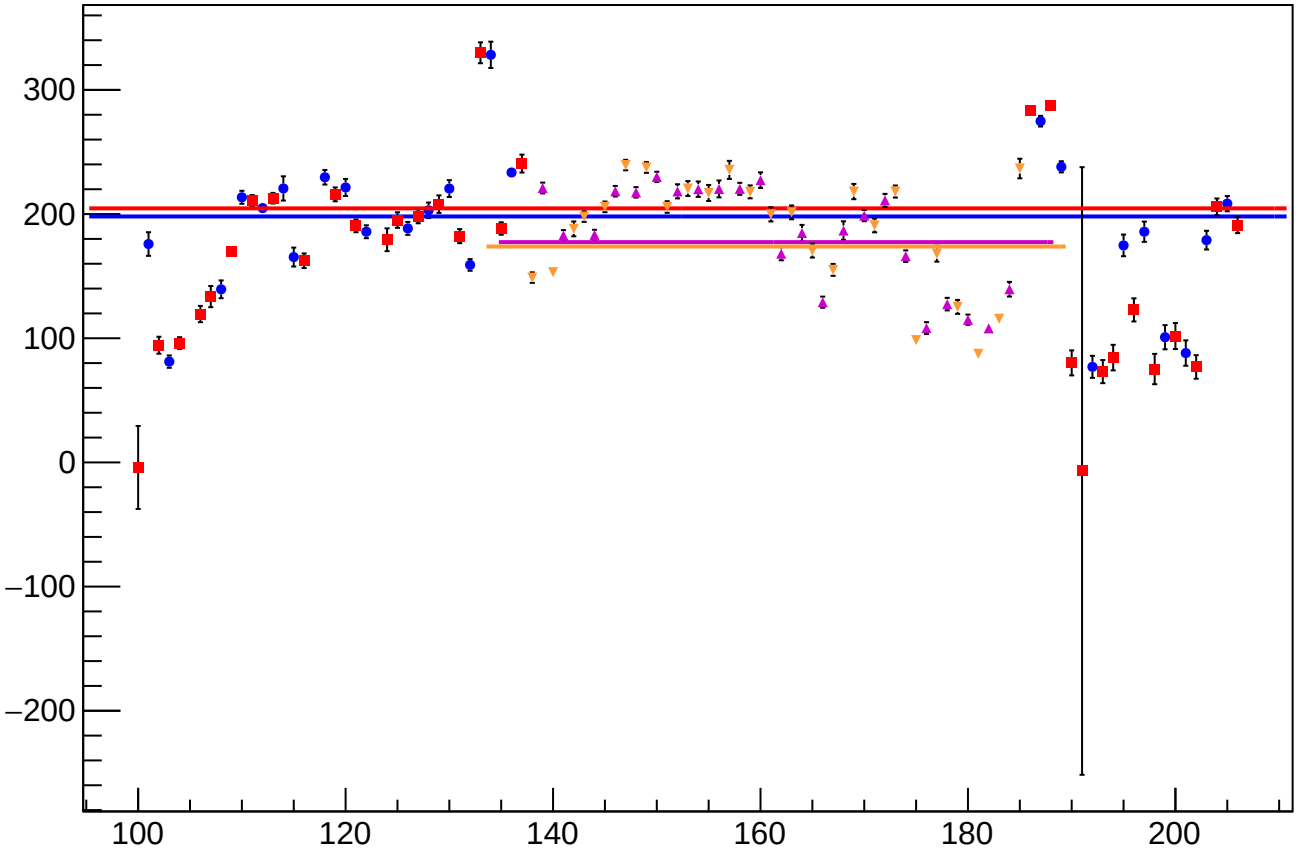
Left In: -136.429+/-0.043 χ^2/NDF:49792.9/22

+ sign -138.960+/-0.037 χ^2/NDF: 317629.6/49

All: -137.055+/-0.026 χ^2/NDF: 708410.9/103

- sign -135.206+/-0.037 χ^2/NDF: 385641.8/53

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 198.085+/-1.183 χ^2/NDF: 1862.2/24

Left Out: 173.862+/-0.962 χ^2/NDF:2627.6/24

Right Out: 204.599+/-1.026 χ^2/NDF: 4197.8/30

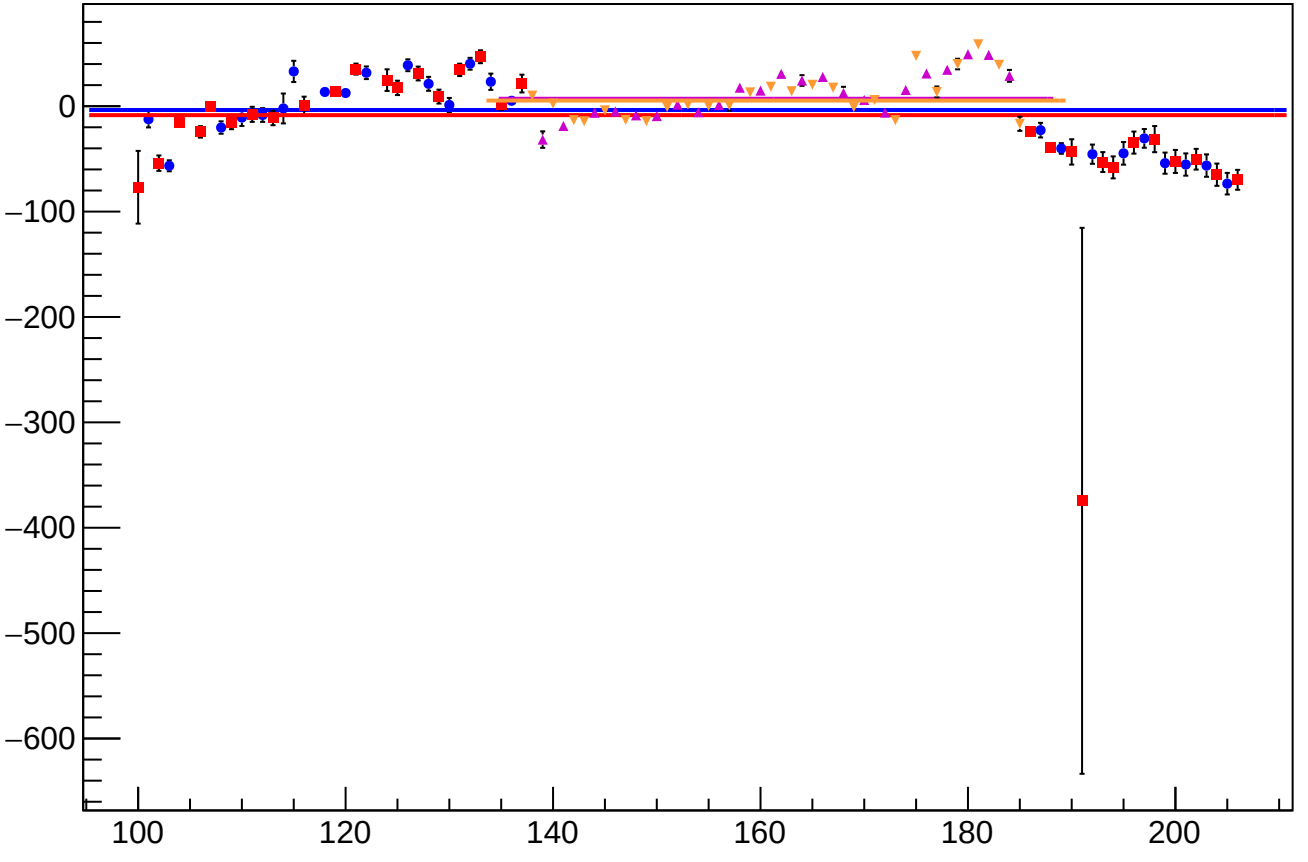
Left In: 177.403+/-0.996 χ^2/NDF:1963.0/22

+ sign 183.502+/-0.746 χ^2/NDF: 4742.1/49

All: 187.200+/-0.516 χ^2/NDF: 11311.7/103

- sign 190.588+/-0.715 χ^2/NDF: 6522.6/53

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



Right In: -3.607+/-1.279 χ^2/NDF: 572.6/24

Left Out: 5.363+/-0.710 χ^2/NDF:810.0/24

Right Out: -8.467+/-1.138 χ^2/NDF: 661.7/30

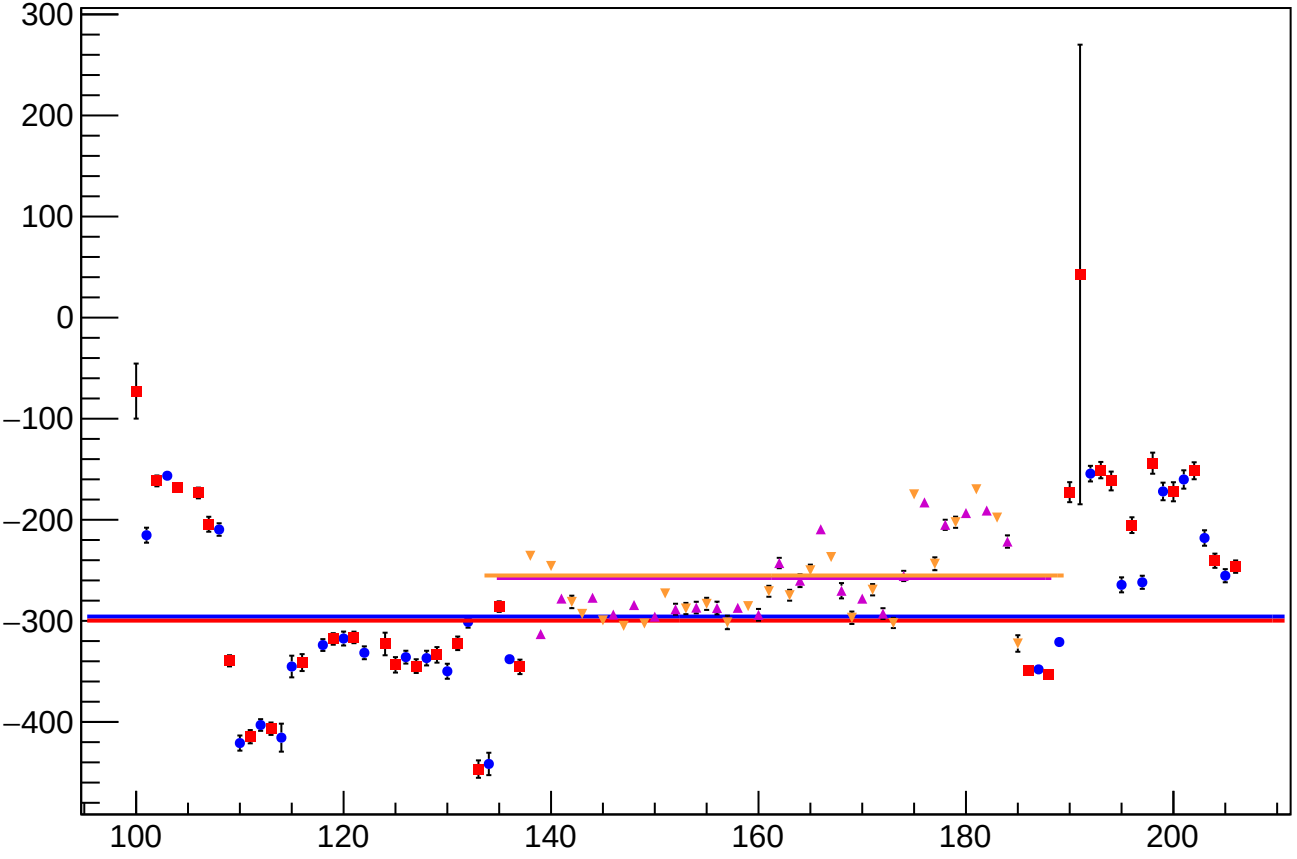
Left In: 7.061+/-0.741 χ^2/NDF:709.7/22

+ sign 3.249+/-0.621 χ^2/NDF: 1420.1/49

All: 2.840+/-0.439 χ^2/NDF: 2923.1/103

- sign 2.432+/-0.621 χ^2/NDF: 1502.1/53

reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -295.753+/-1.191 χ^2/NDF: 4023.9/24

Left Out: -255.122+/-0.956 χ^2/NDF:2344.8/24

Right Out: -299.763+/-0.991 χ^2/NDF: 6702.8/30

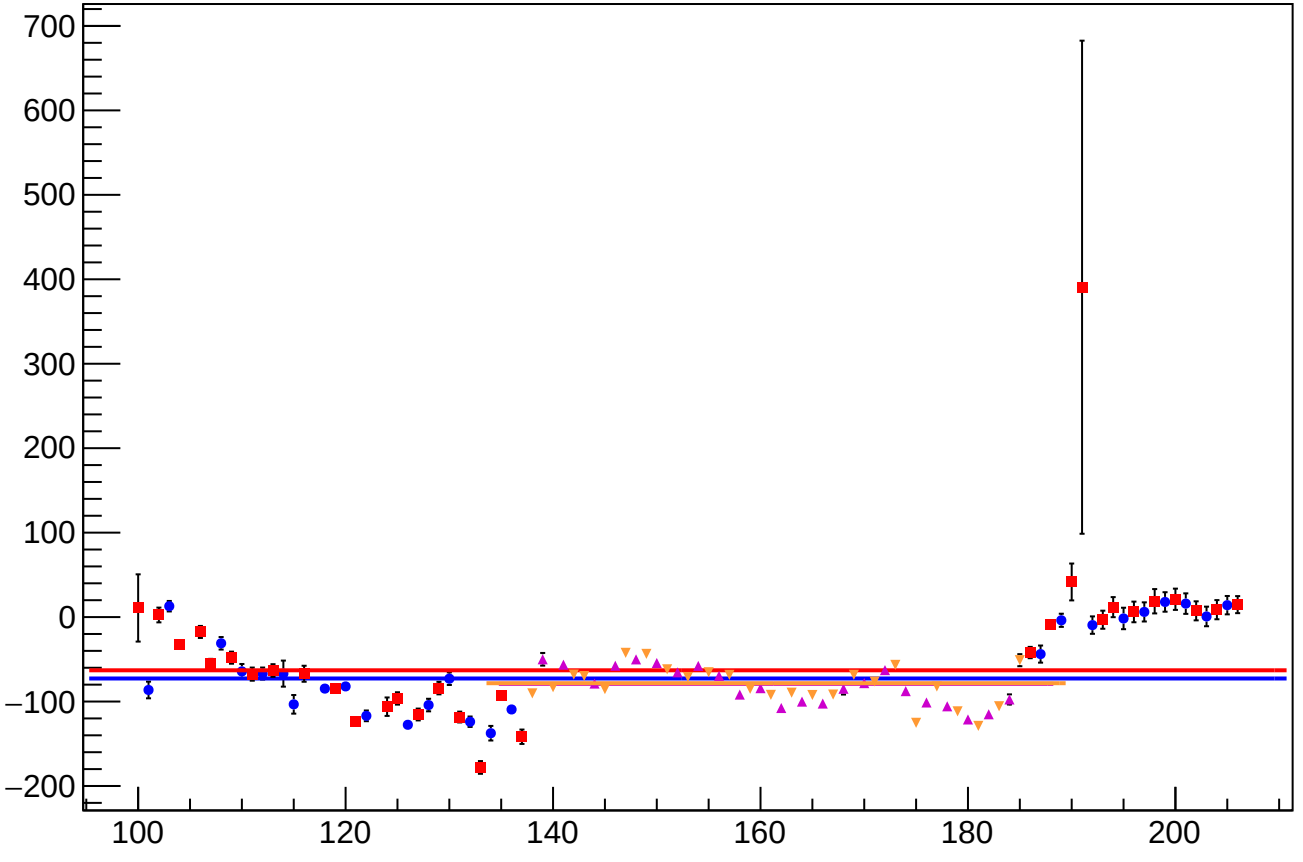
Left In: -257.600+/-0.985 χ^2/NDF:1808.1/22

+ sign -271.044+/-0.746 χ^2/NDF: 7076.1/49

All: -275.042+/-0.510 χ^2/NDF: 16551.5/103

- sign -278.549+/-0.699 χ^2/NDF: 9421.5/53

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -72.711+/-1.499 χ^2/NDF: 1021.0/24

Left Out: -78.292+/-0.819 χ^2/NDF:868.2/24

Right Out: -63.003+/-1.370 χ^2/NDF: 1288.7/30

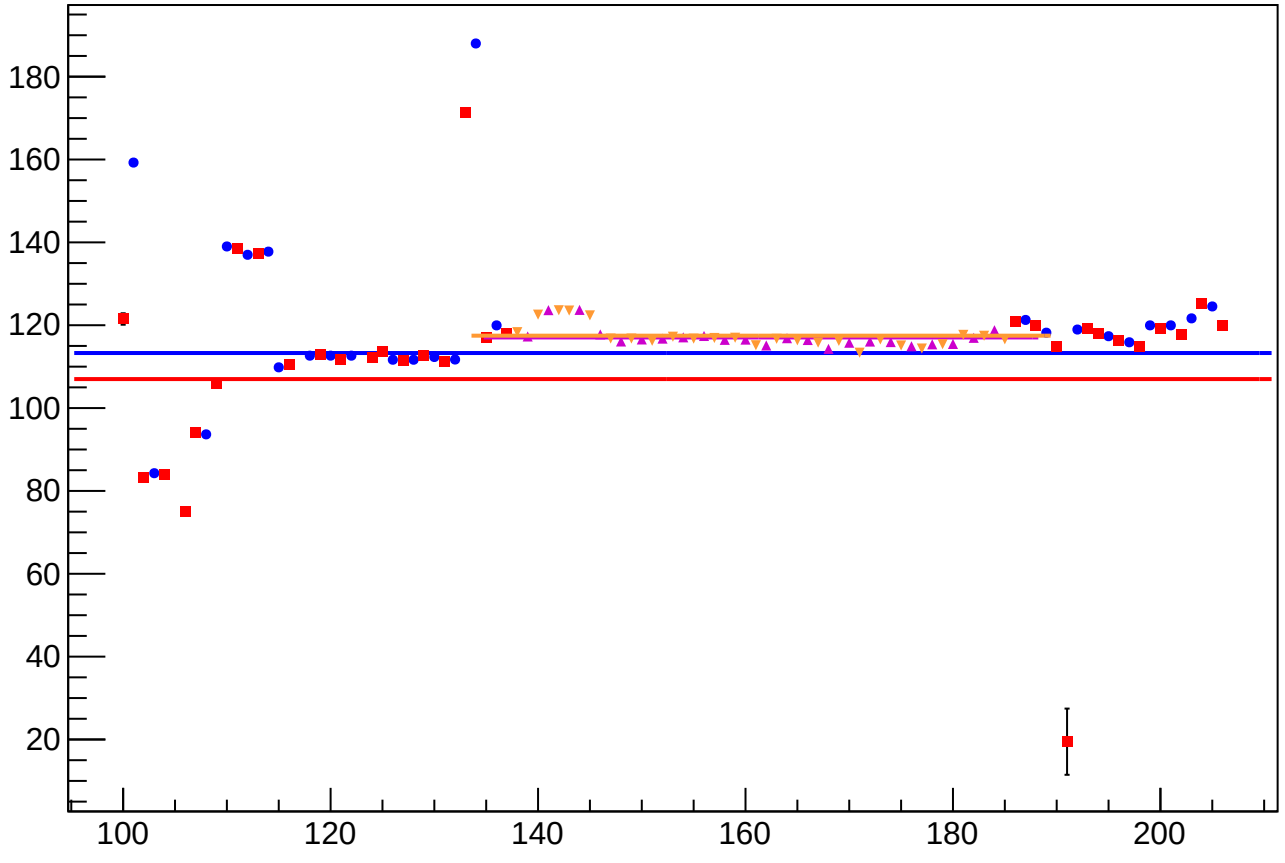
Left In: -79.066+/-0.849 χ^2/NDF:702.6/22

+ sign -77.011+/-0.719 χ^2/NDF: 1899.8/49

All: -75.815+/-0.509 χ^2/NDF: 3996.0/103

- sign -74.610+/-0.722 χ^2/NDF: 2090.7/53

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 113.290+/-0.072 χ^2/NDF: 86908.6/24

Left Out: 117.477+/-0.038 χ^2/NDF:4739.3/24

Right Out: 107.001+/-0.066 χ^2/NDF: 79025.3/30

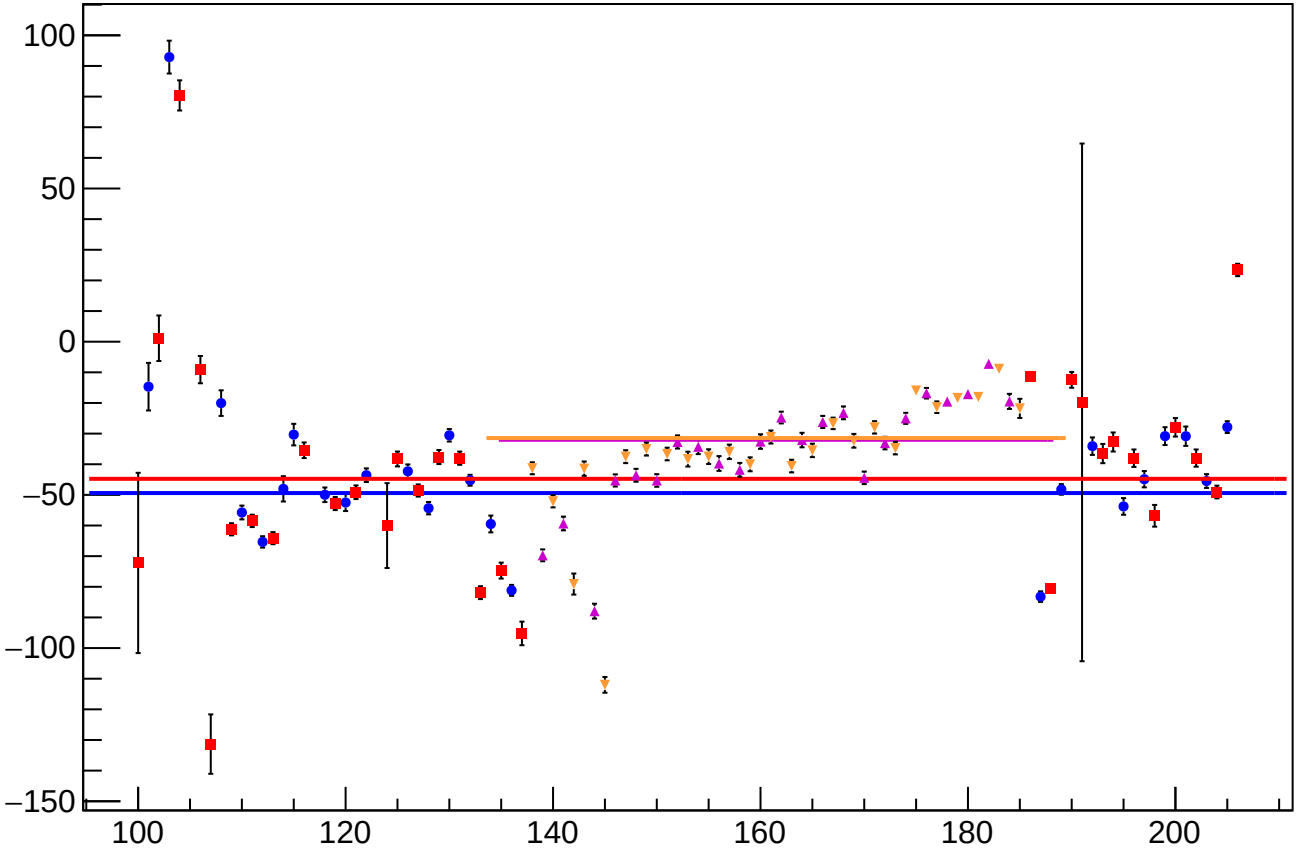
Left In: 117.046+/-0.039 χ^2/NDF:3343.0/22

+ sign 116.558+/-0.034 χ^2/NDF: 94310.7/49

All: 115.509+/-0.024 χ^2/NDF: 195936.5/103

- sign 114.476+/-0.033 χ^2/NDF: 99687.7/53

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -49.405+/-0.475 χ^2/NDF: 1949.3/24

Left Out: -31.452+/-0.399 χ^2/NDF:1992.2/24

Right Out: -44.762+/-0.412 χ^2/NDF: 5386.4/30

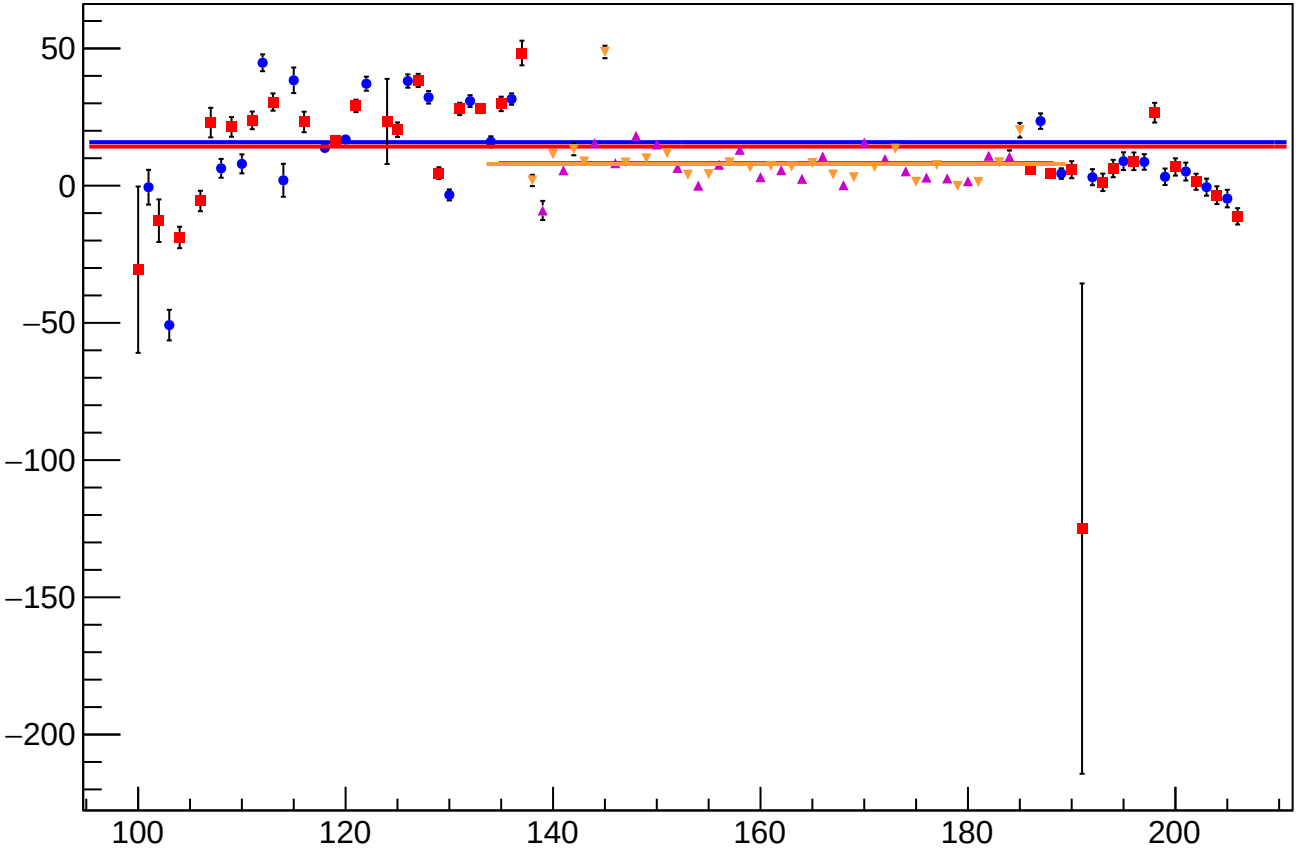
Left In: -32.015+/-0.409 χ^2/NDF:1913.4/22

+ sign -38.885+/-0.305 χ^2/NDF: 4780.2/49

All: -38.603+/-0.210 χ^2/NDF: 12564.0/103

- sign -38.349+/-0.290 χ^2/NDF: 7782.2/53

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.848+/-0.512 χ^2/NDF: 854.2/24

Left Out: 7.897+/-0.304 χ^2/NDF:490.5/24

Right Out: 14.238+/-0.466 χ^2/NDF: 812.8/30

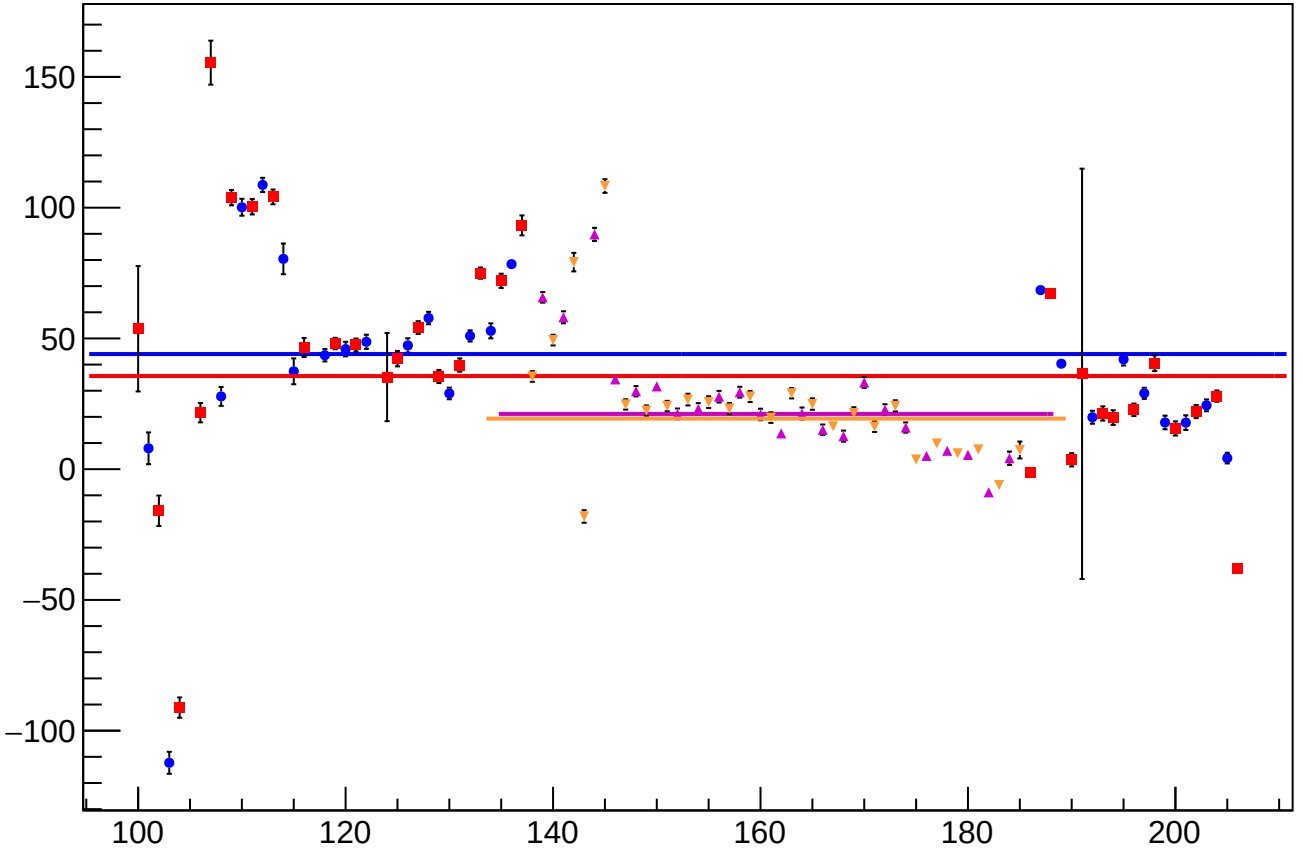
Left In: 8.223+/-0.316 χ^2/NDF:338.8/22

+ sign 9.966+/-0.261 χ^2/NDF: 1522.9/49

All: 10.040+/-0.185 χ^2/NDF: 2788.8/103

- sign 10.114+/-0.261 χ^2/NDF: 1265.8/53

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



Right In: 44.027+/-0.483 χ^2/NDF: 3902.9/24

Left Out: 19.339+/-0.396 χ^2/NDF:2682.4/24

Right Out: 35.615+/-0.394 χ^2/NDF: 9108.5/30

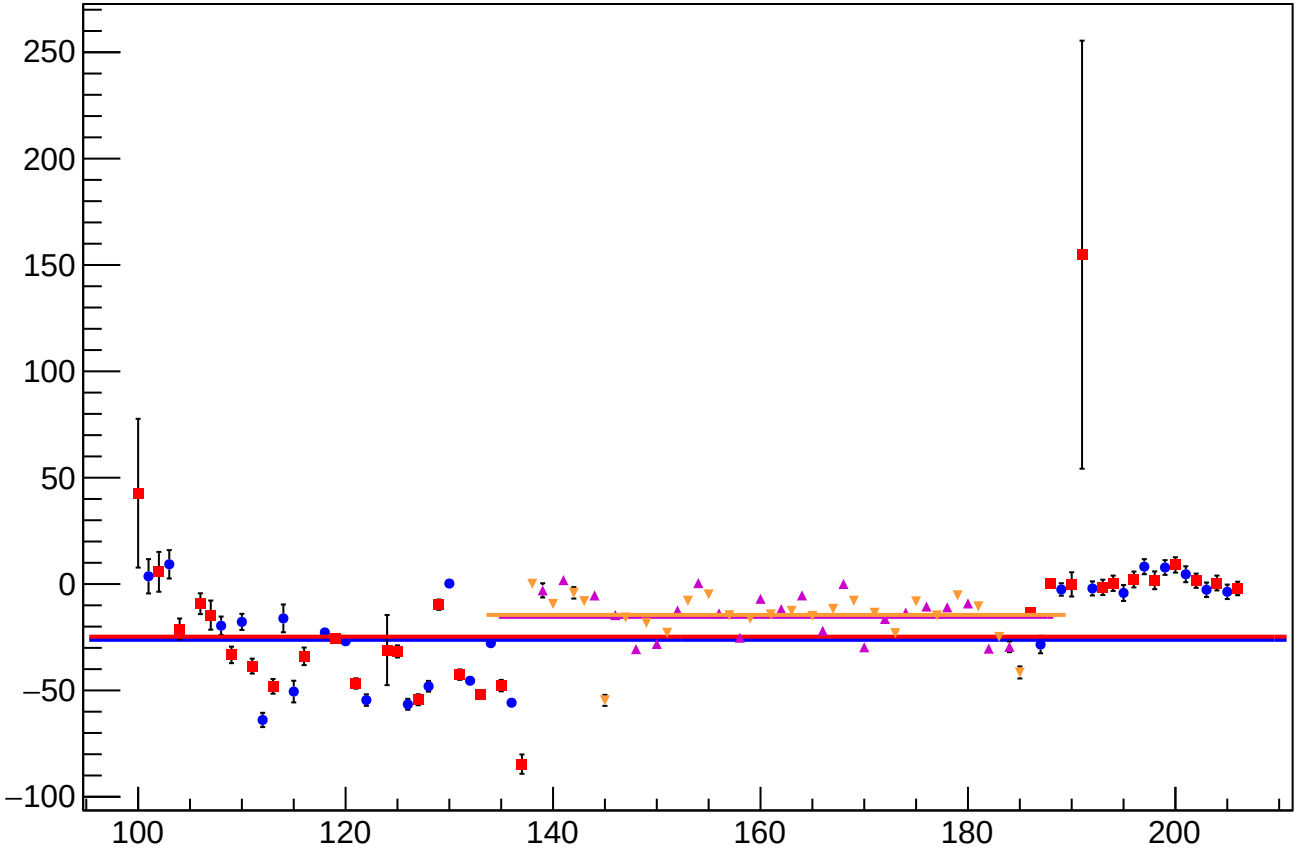
Left In: 21.124+/-0.405 χ^2/NDF:2504.8/22

+ sign 29.258+/-0.306 χ^2/NDF: 8150.2/49

All: 28.883+/-0.208 χ^2/NDF: 20424.2/103

- sign 28.563+/-0.282 χ^2/NDF: 12271.2/53

reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -26.209+/-0.599 χ^2/NDF: 1438.1/24

Left Out: -14.502+/-0.344 χ^2/NDF:641.0/24

Right Out: -24.739+/-0.565 χ^2/NDF: 1505.6/30

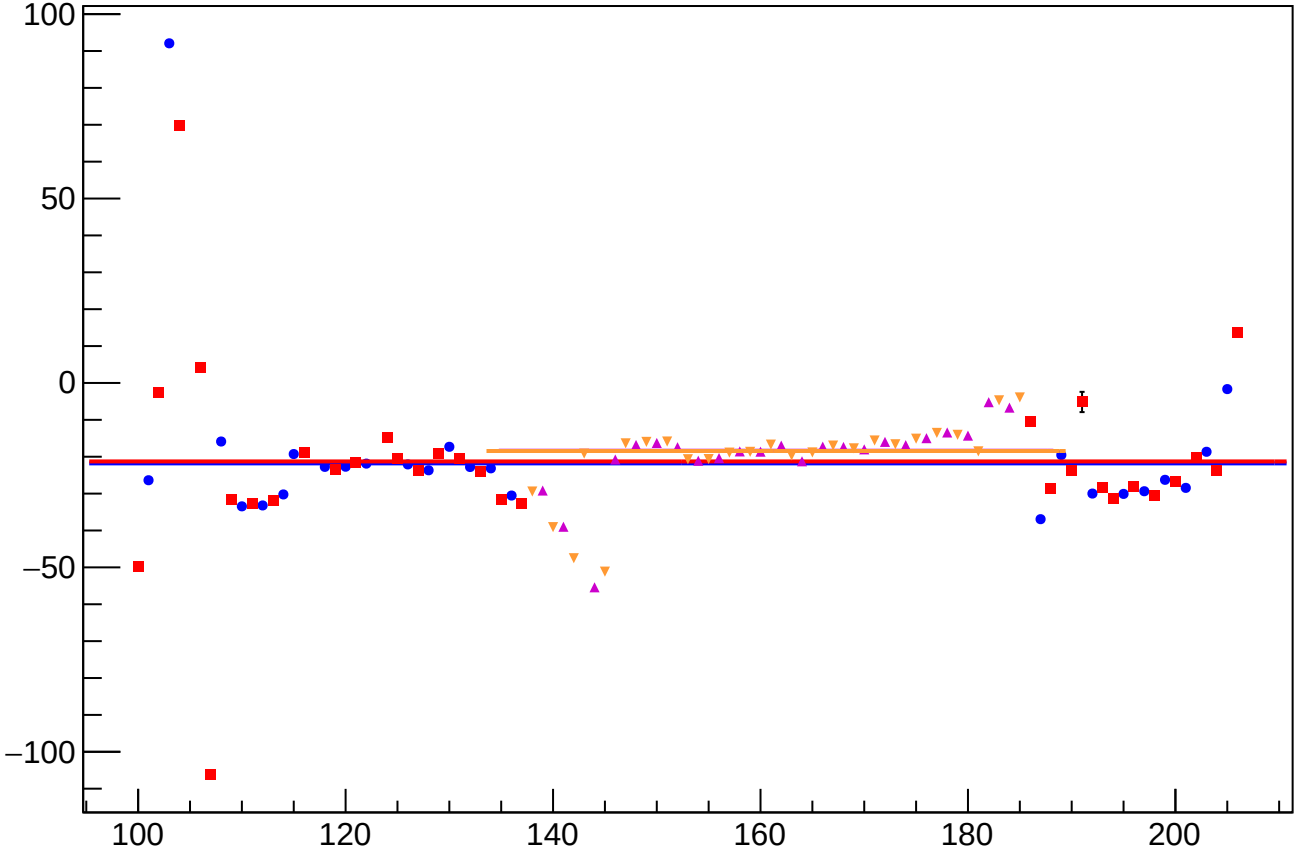
Left In: -15.417+/-0.355 χ^2/NDF:798.7/22

+ sign -17.404+/-0.298 χ^2/NDF: 2366.2/49

All: -17.730+/-0.212 χ^2/NDF: 4868.2/103

- sign -18.061+/-0.301 χ^2/NDF: 2499.6/53

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -21.803+/-0.030 χ^2/NDF: 476572.1/24

Left Out: -18.450+/-0.015 χ^2/NDF:295359.2/24

Right Out: -21.274+/-0.028 χ^2/NDF: 466225.8/30

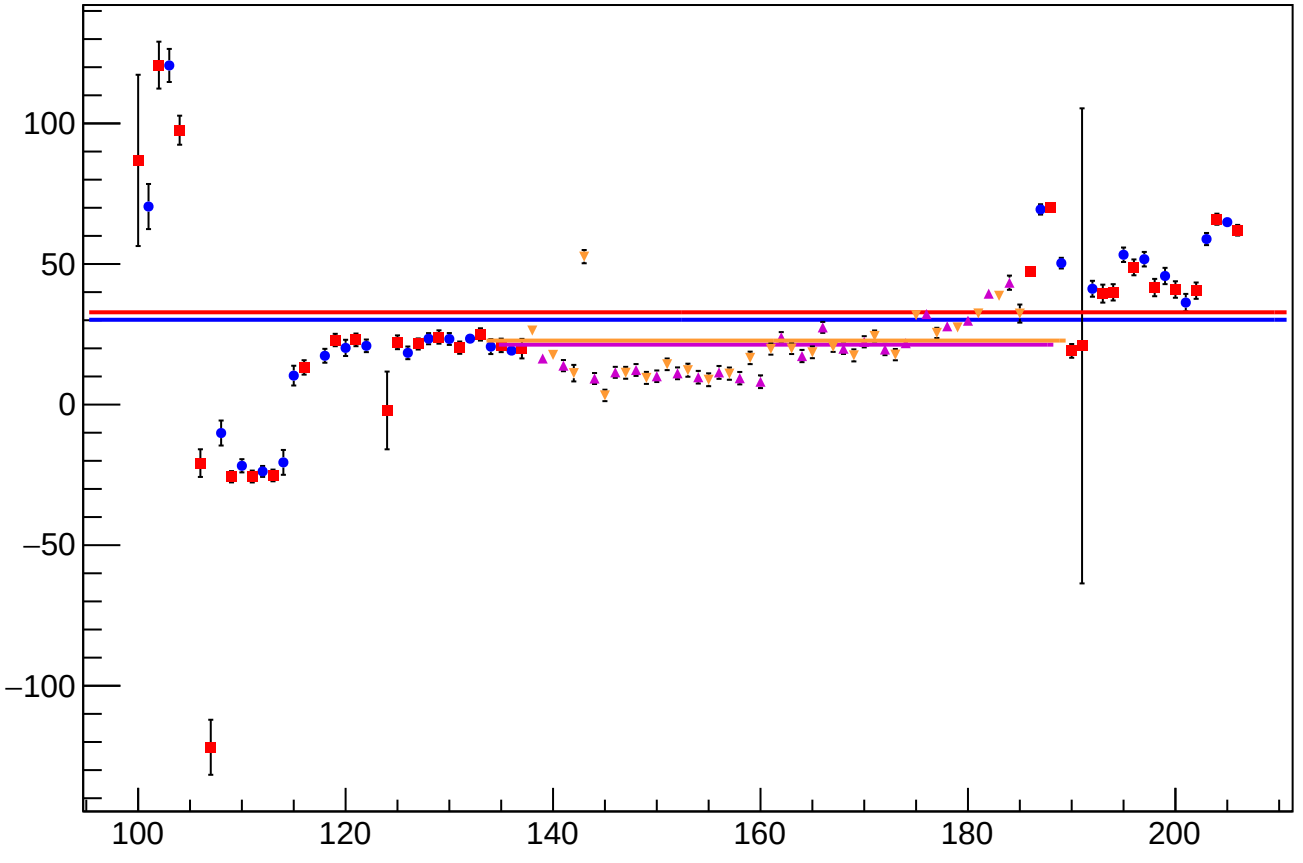
Left In: -18.378+/-0.016 χ^2/NDF:250040.9/22

+ sign -19.174+/-0.014 χ^2/NDF: 782062.6/49

All: -19.123+/-0.010 χ^2/NDF: 1506465.6/103

- sign -19.073+/-0.014 χ^2/NDF: 724376.0/53

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 30.167+/-0.477 χ^2/NDF: 3259.5/24

Left Out: 22.766+/-0.383 χ^2/NDF:722.8/24

Right Out: 32.828+/-0.426 χ^2/NDF: 5230.4/30

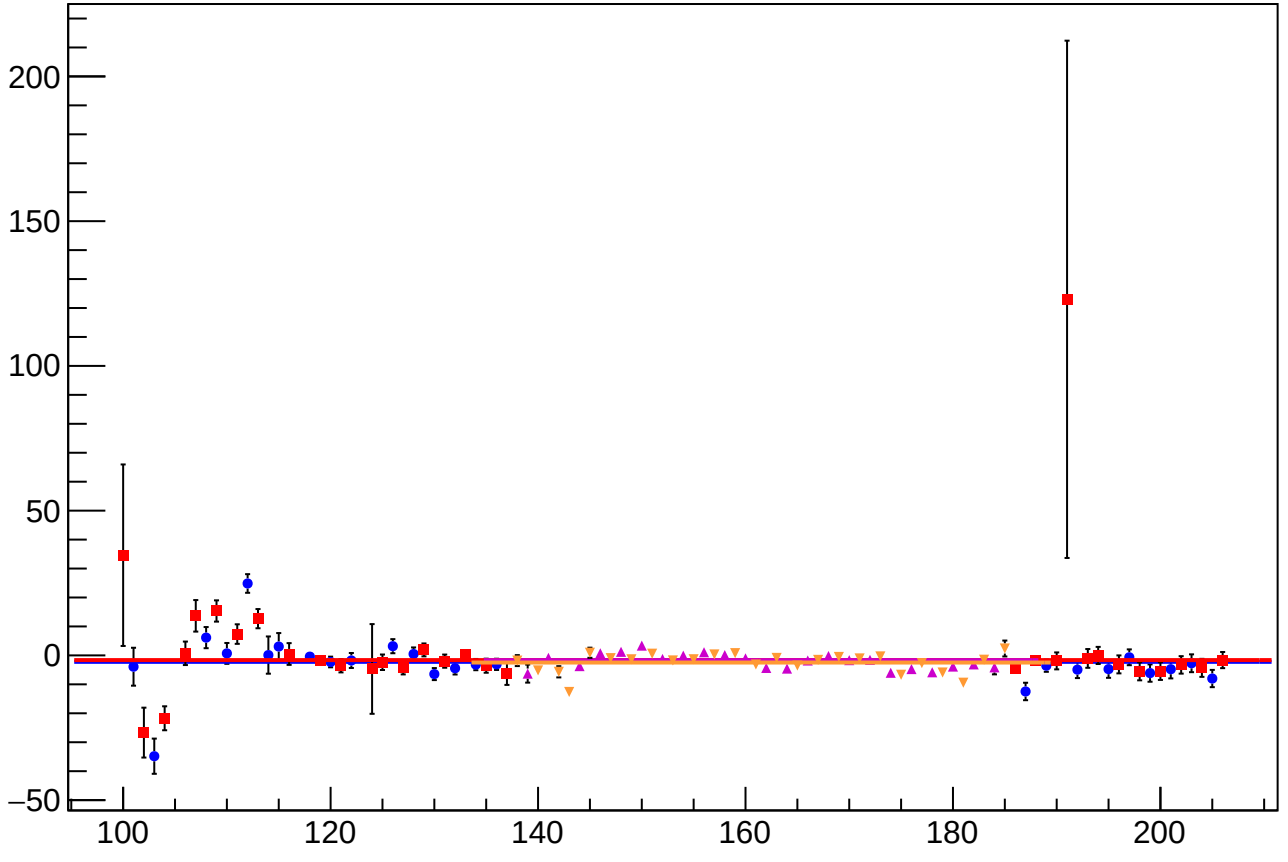
Left In: 21.325+/-0.393 χ^2/NDF:629.9/22

+ sign 25.664+/-0.298 χ^2/NDF: 4128.8/49

All: 26.151+/-0.208 χ^2/NDF: 10388.2/103

- sign 26.607+/-0.289 χ^2/NDF: 6254.2/53

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.223+/-0.517 χ^2/NDF: 140.2/24

Left Out: -2.468+/-0.293 χ^2/NDF:116.7/24

Right Out: -1.625+/-0.482 χ^2/NDF: 106.4/30

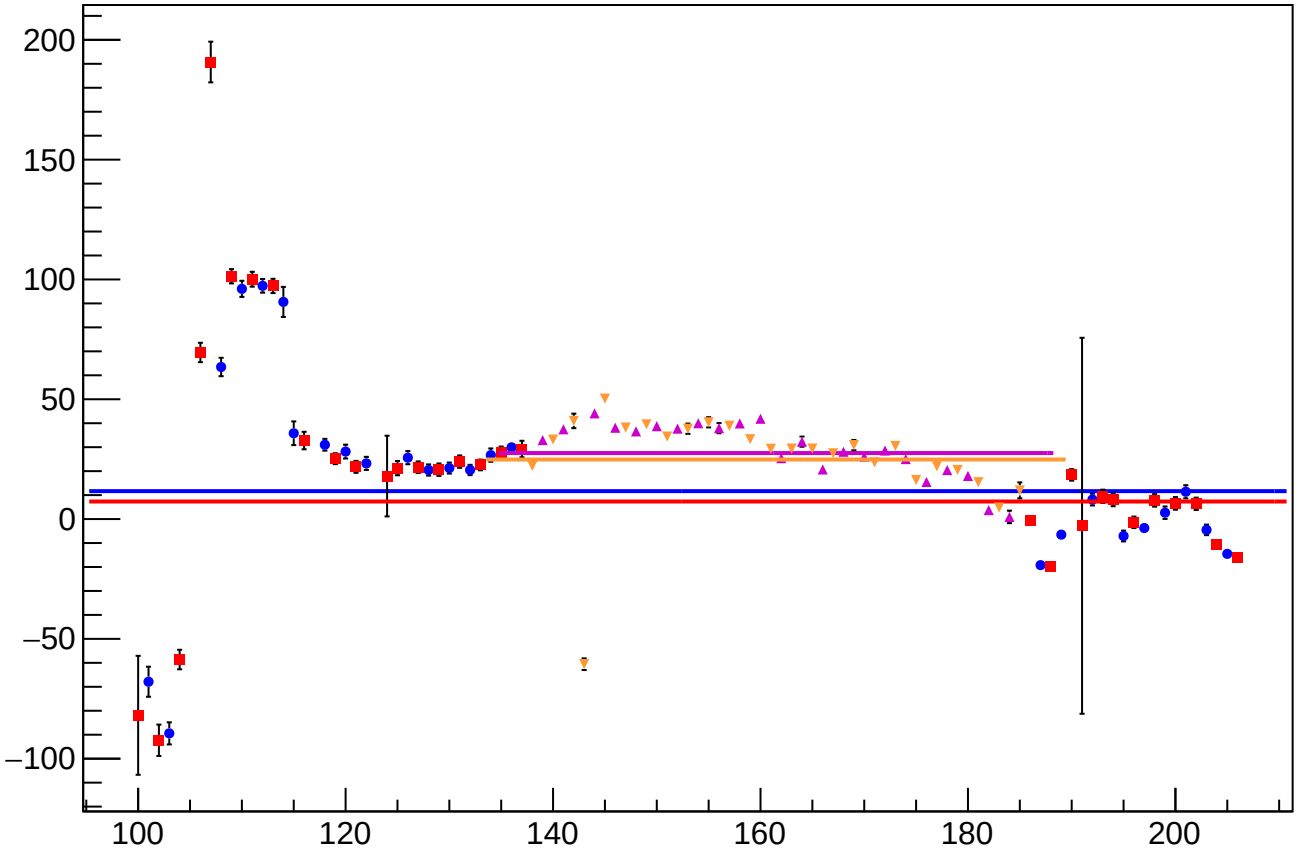
Left In: -1.659+/-0.304 χ^2/NDF:70.2/22

+ sign -2.409+/-0.255 χ^2/NDF: 257.1/49

All: -2.032+/-0.181 χ^2/NDF: 438.1/103

- sign -1.650+/-0.257 χ^2/NDF: 176.6/53

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: 11.653+/-0.487 χ^2/NDF: 3796.3/24

Left Out: 24.850+/-0.380 χ^2/NDF:2048.7/24

Right Out: 7.329+/-0.414 χ^2/NDF: 5746.2/30

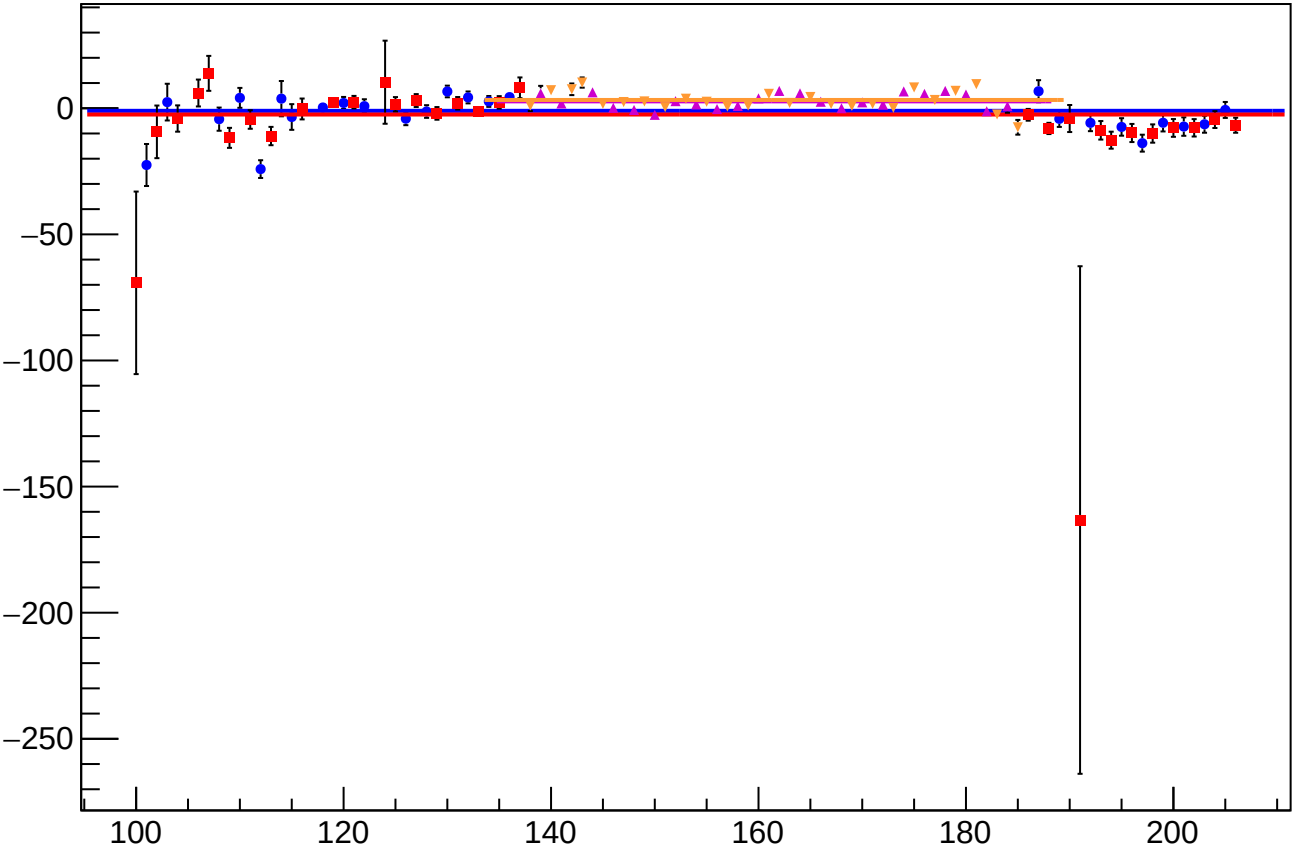
Left In: 27.551+/-0.389 χ^2/NDF:881.9/22

\+ sign 19.864+/-0.300 χ^2/NDF: 6301.2/49

All: 18.920+/-0.206 χ^2/NDF: 14215.4/103

\- sign 18.074+/-0.283 χ^2/NDF: 7895.4/53

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -1.017+/-0.600 χ^2/NDF: 115.5/24

Left Out: 3.287+/-0.331 χ^2/NDF:106.3/24

Right Out: -2.485+/-0.577 χ^2/NDF: 91.2/30

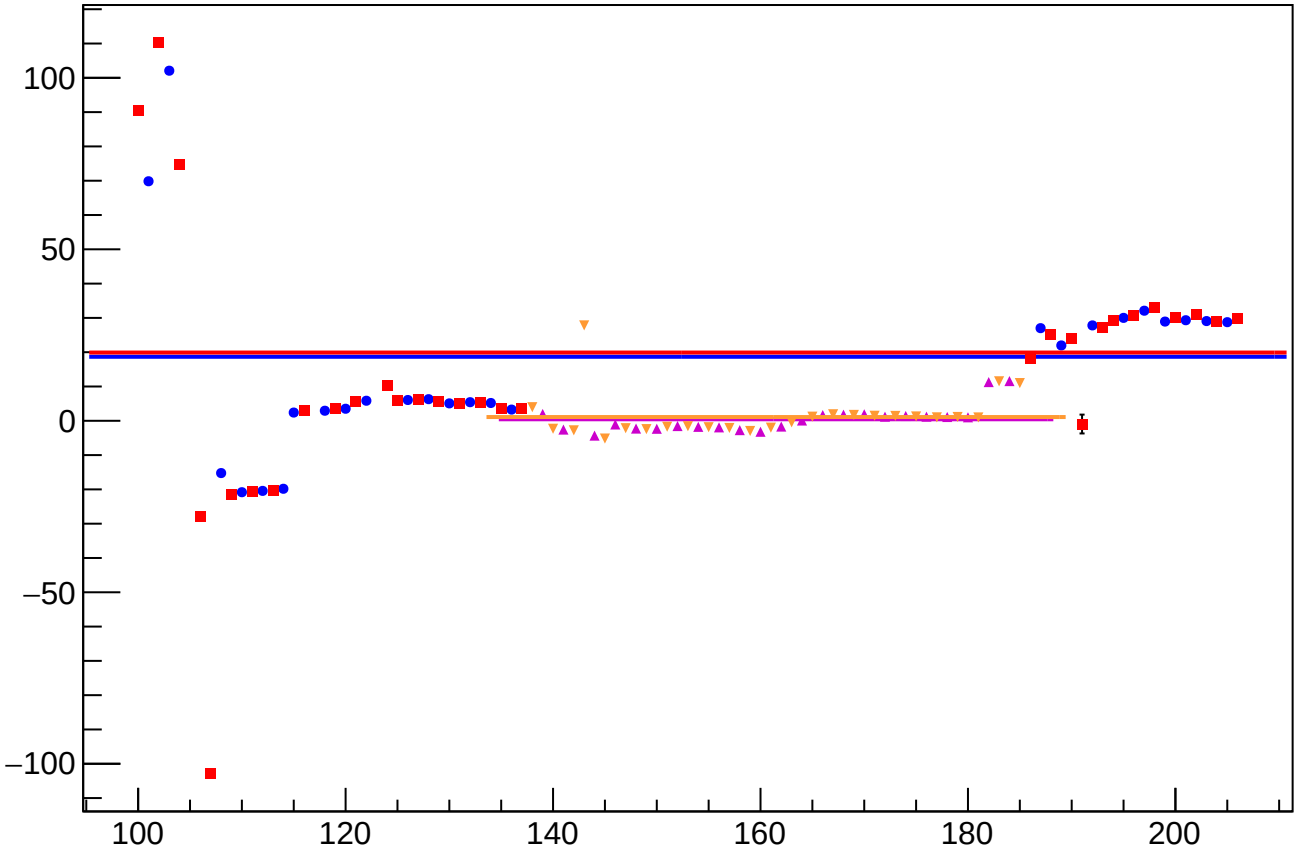
Left In: 2.730+/-0.342 χ^2/NDF:74.5/22

+ sign 2.282+/-0.290 χ^2/NDF: 261.2/49

All: 1.835+/-0.207 χ^2/NDF: 492.1/103

- sign 1.375+/-0.294 χ^2/NDF: 226.1/53

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 18.669+/-0.029 χ^2/NDF: 465859.4/24

Left Out: 1.094+/-0.015 χ^2/NDF:128801.7/24

Right Out: 19.902+/-0.028 χ^2/NDF: 623644.3/30

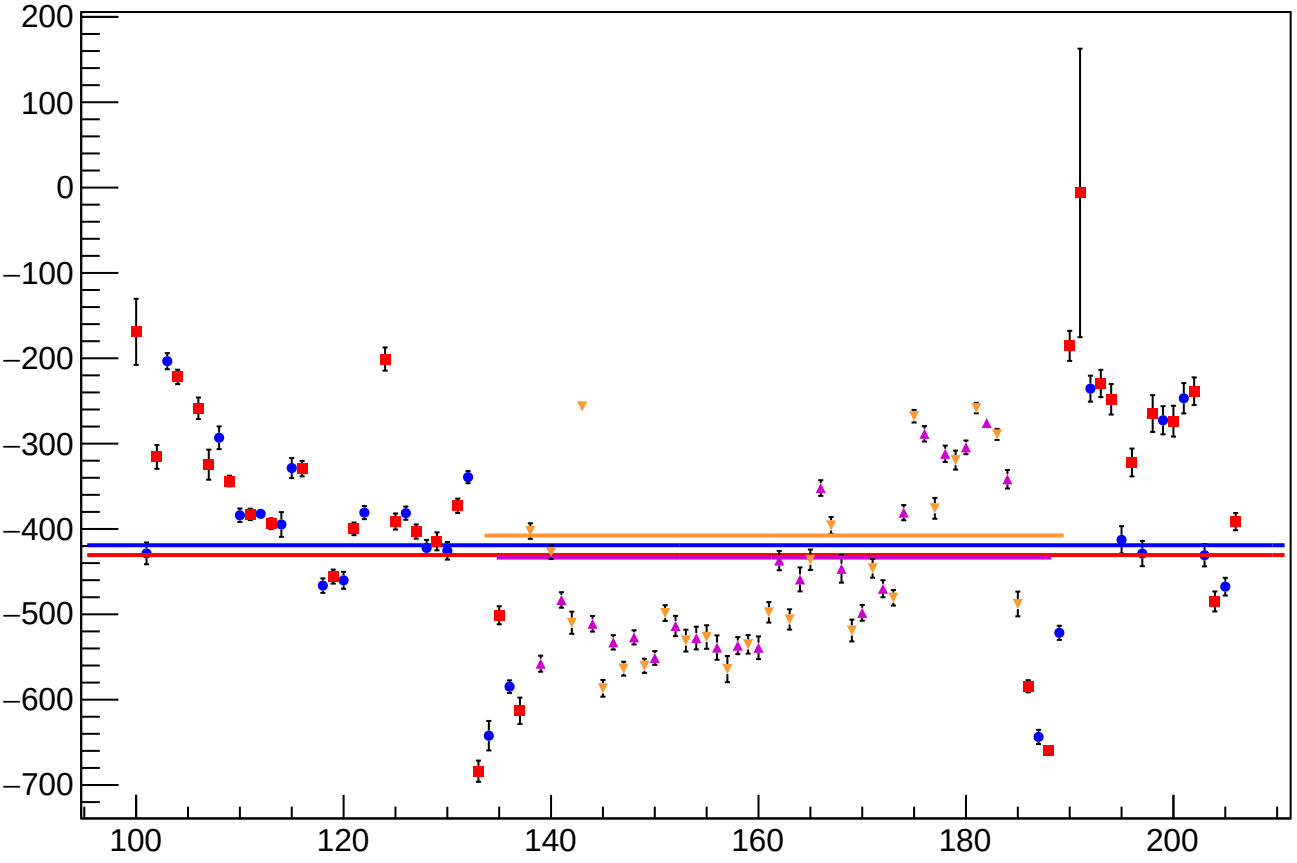
Left In: 0.443+/-0.015 χ^2/NDF:53446.3/22

+ sign 4.730+/-0.013 χ^2/NDF: 884888.7/49

All: 4.793+/-0.009 χ^2/NDF: 1939421.5/103

- sign 4.857+/-0.013 χ^2/NDF: 1054486.5/53

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -419.059+/-1.947 χ^2/NDF: 2848.3/24

Left Out: -407.620+/-1.868 χ^2/NDF:4005.6/24

Right Out: -430.547+/-1.732 χ^2/NDF: 6347.1/30

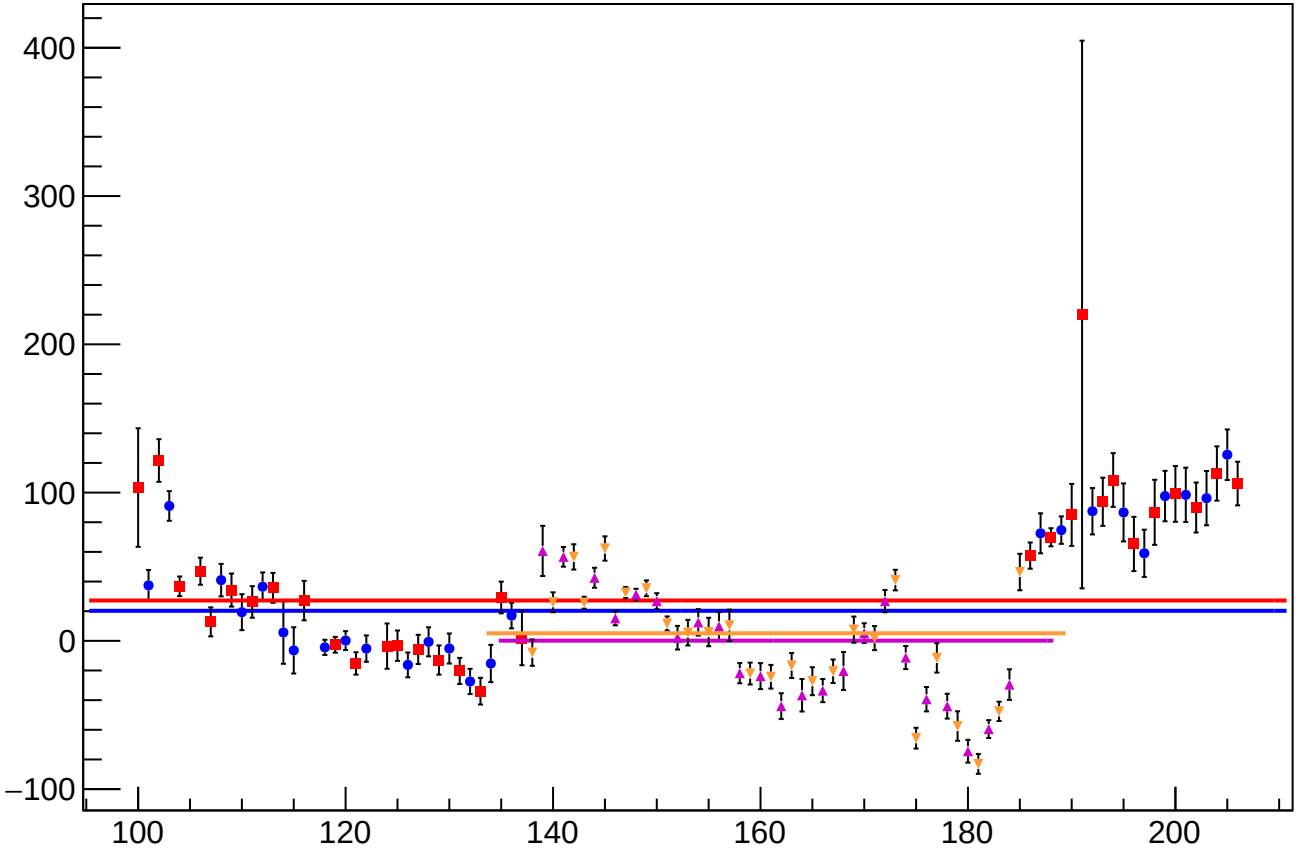
Left In: -433.529+/-1.993 χ^2/NDF:2724.5/22

+ sign -413.103+/-1.348 χ^2/NDF: 6871.9/49

All: -422.751+/-0.938 χ^2/NDF: 16044.3/103

- sign -431.830+/-1.307 χ^2/NDF: 9072.9/53

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 20.273+/-2.060 χ^2/NDF: 352.9/24

Left Out: 5.125+/-1.379 χ^2/NDF:689.2/24

Right Out: 27.212+/-1.907 χ^2/NDF: 434.7/30

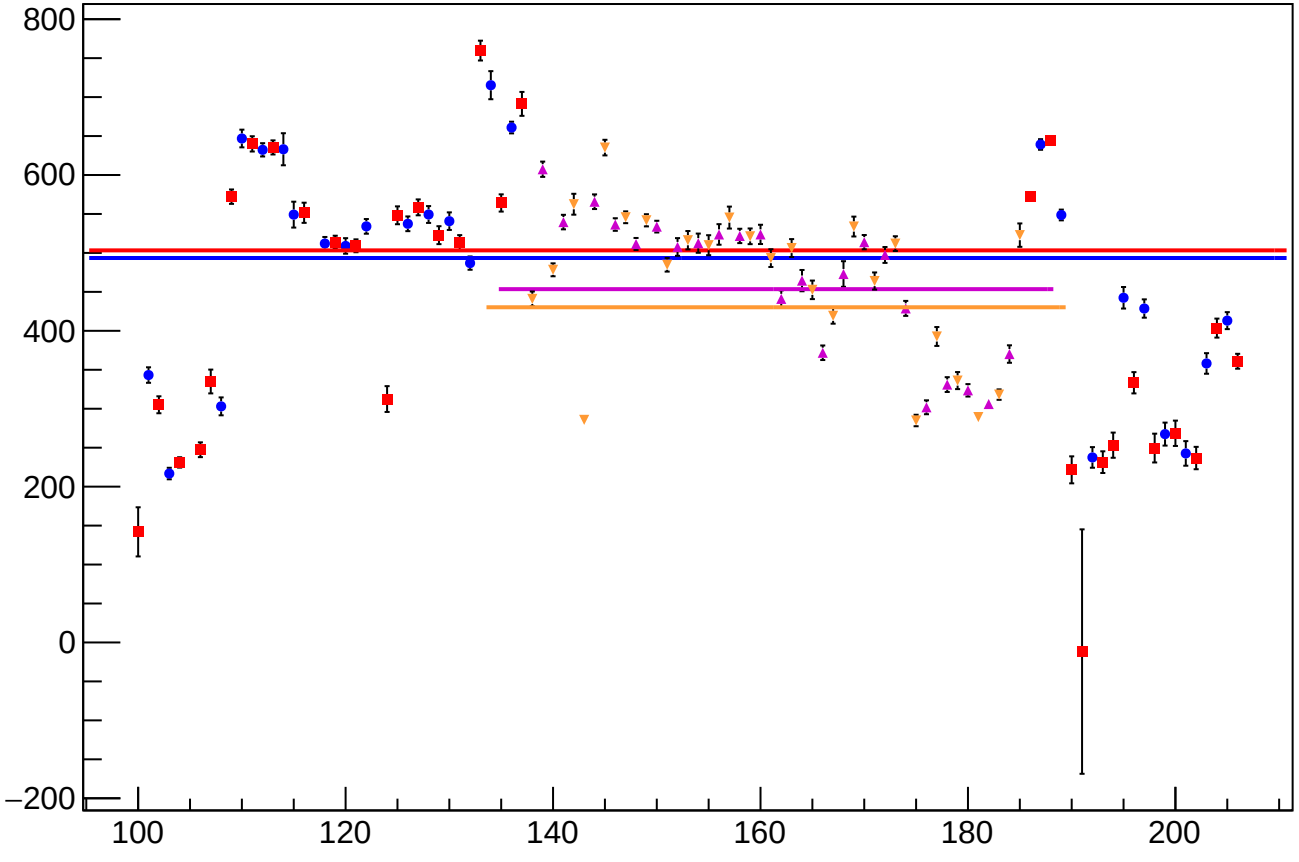
Left In: 0.124+/-1.489 χ^2/NDF:568.6/22

\+ sign 9.812+/-1.146 χ^2/NDF: 1079.4/49

All: 10.093+/-0.820 χ^2/NDF: 2208.1/103

\- sign 10.388+/-1.174 χ^2/NDF: 1128.6/53

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 493.470+/-2.023 χ^2/NDF: 4732.4/24

Left Out: 430.238+/-1.861 χ^2/NDF:3405.1/24

Right Out: 503.267+/-1.736 χ^2/NDF: 8066.8/30

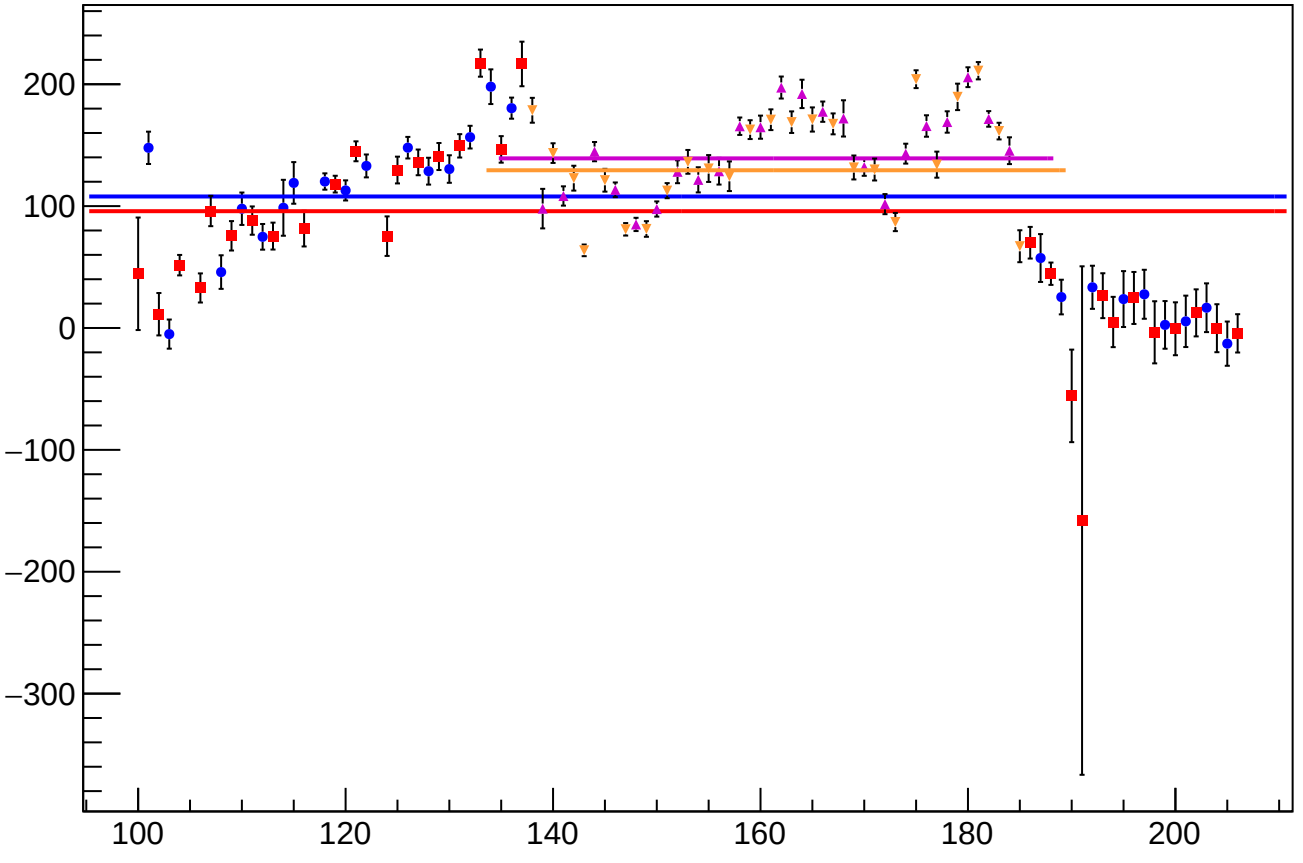
Left In: 453.496+/-1.974 χ^2/NDF:2419.7/22

+ sign 459.217+/-1.370 χ^2/NDF: 8666.5/49

All: 470.940+/-0.944 χ^2/NDF: 19651.1/103

- sign 481.558+/-1.304 χ^2/NDF: 10845.0/53

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 107.907+/-2.422 χ^2/NDF: 511.1/24

Left Out: 129.418+/-1.593 χ^2/NDF:814.3/24

Right Out: 95.841+/-2.274 χ^2/NDF: 608.1/30

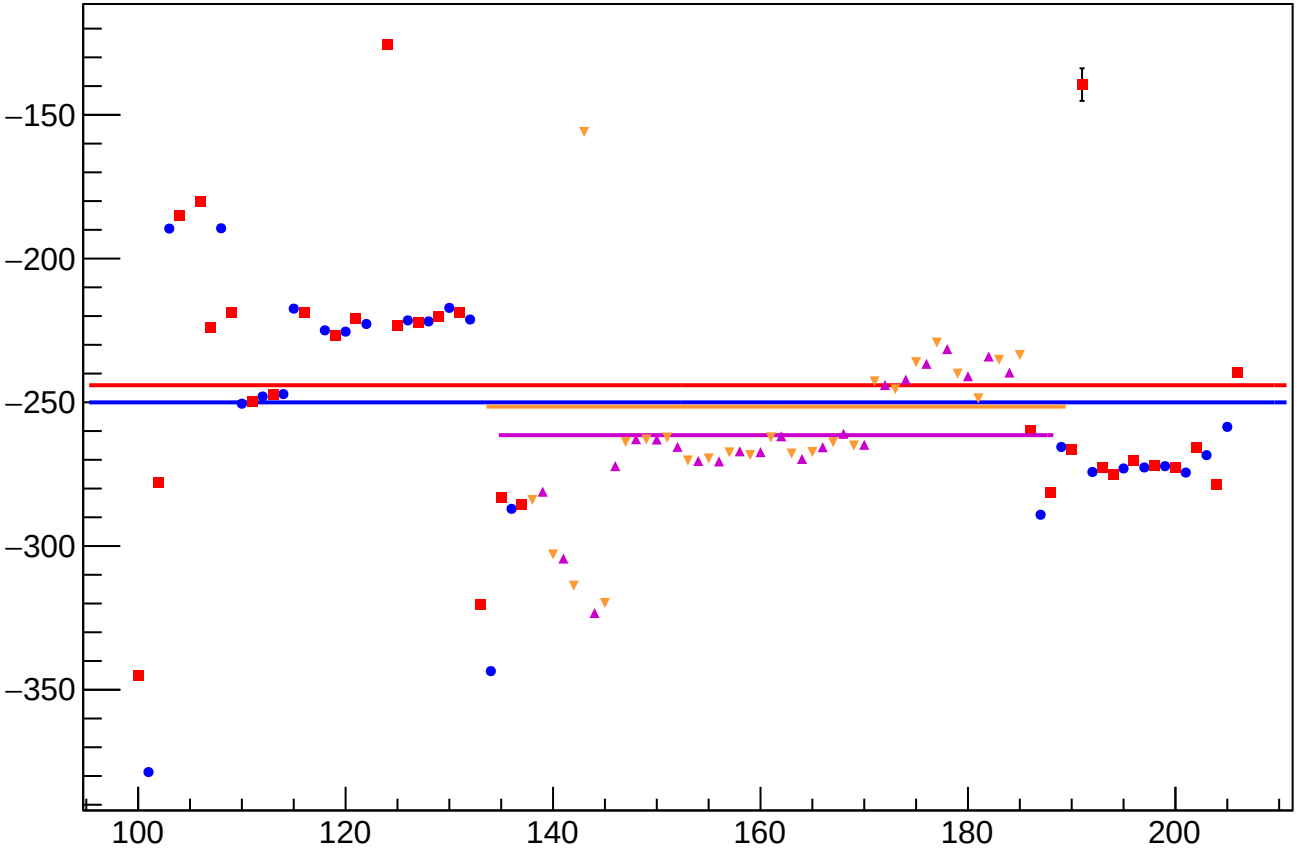
Left In: 139.163+/-1.705 χ^2/NDF:434.2/22

+ sign 122.926+/-1.331 χ^2/NDF: 1380.4/49

All: 123.241+/-0.953 χ^2/NDF: 2655.2/103

- sign 123.572+/-1.364 χ^2/NDF: 1274.6/53

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -250.024+/-0.125 χ^2/NDF: 148021.8/24

Left Out: -251.508+/-0.075 χ^2/NDF:254924.4/24

Right Out: -244.061+/-0.117 χ^2/NDF: 112531.2/30

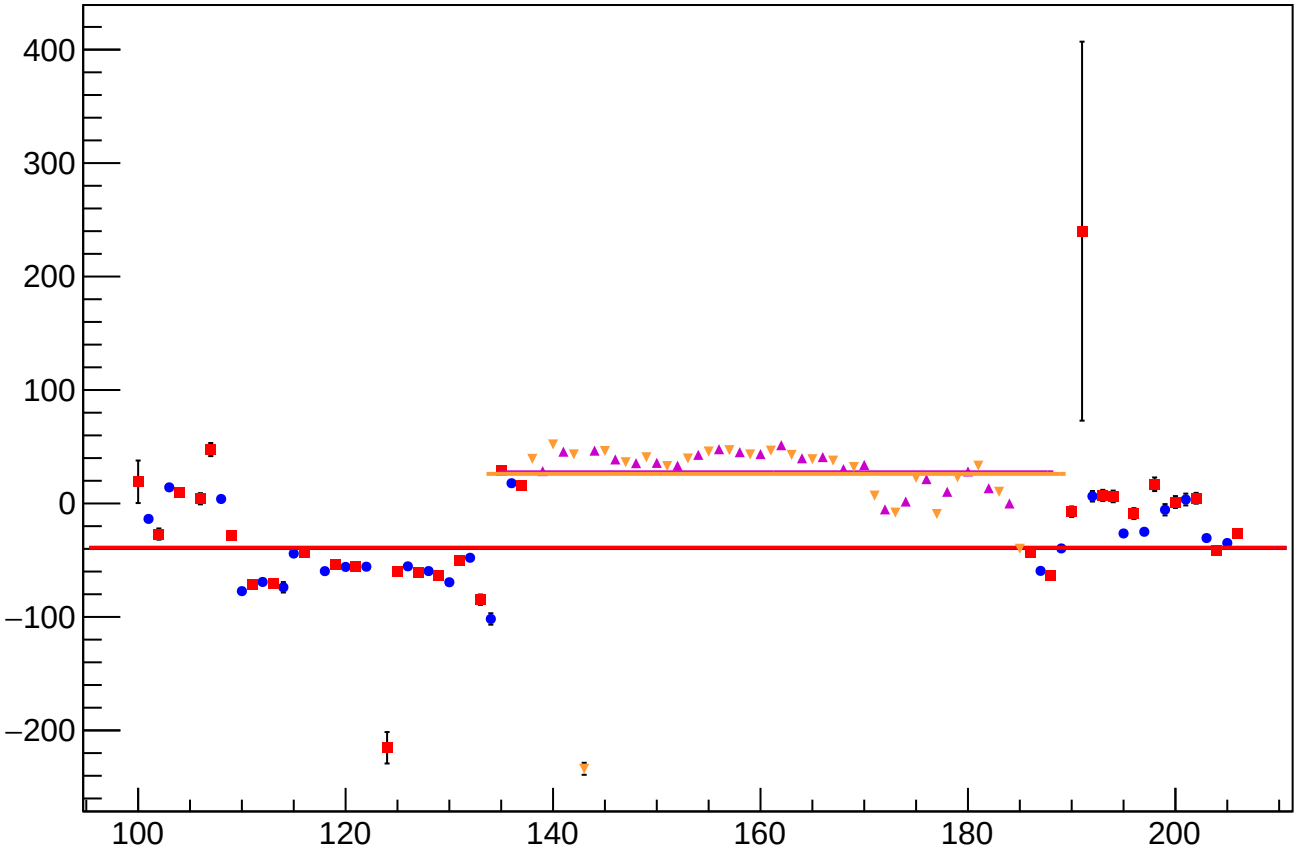
Left In: -261.425+/-0.078 χ^2/NDF:69557.7/22

+ sign -251.120+/-0.064 χ^2/NDF: 403049.8/49

All: -253.590+/-0.046 χ^2/NDF: 603324.3/103

- sign -256.125+/-0.065 χ^2/NDF: 197264.2/53

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -39.269+/-0.617 χ^2/NDF: 2715.0/24

Left Out: 26.087+/-0.390 χ^2/NDF:4785.1/24

Right Out: -38.967+/-0.535 χ^2/NDF: 3259.1/30

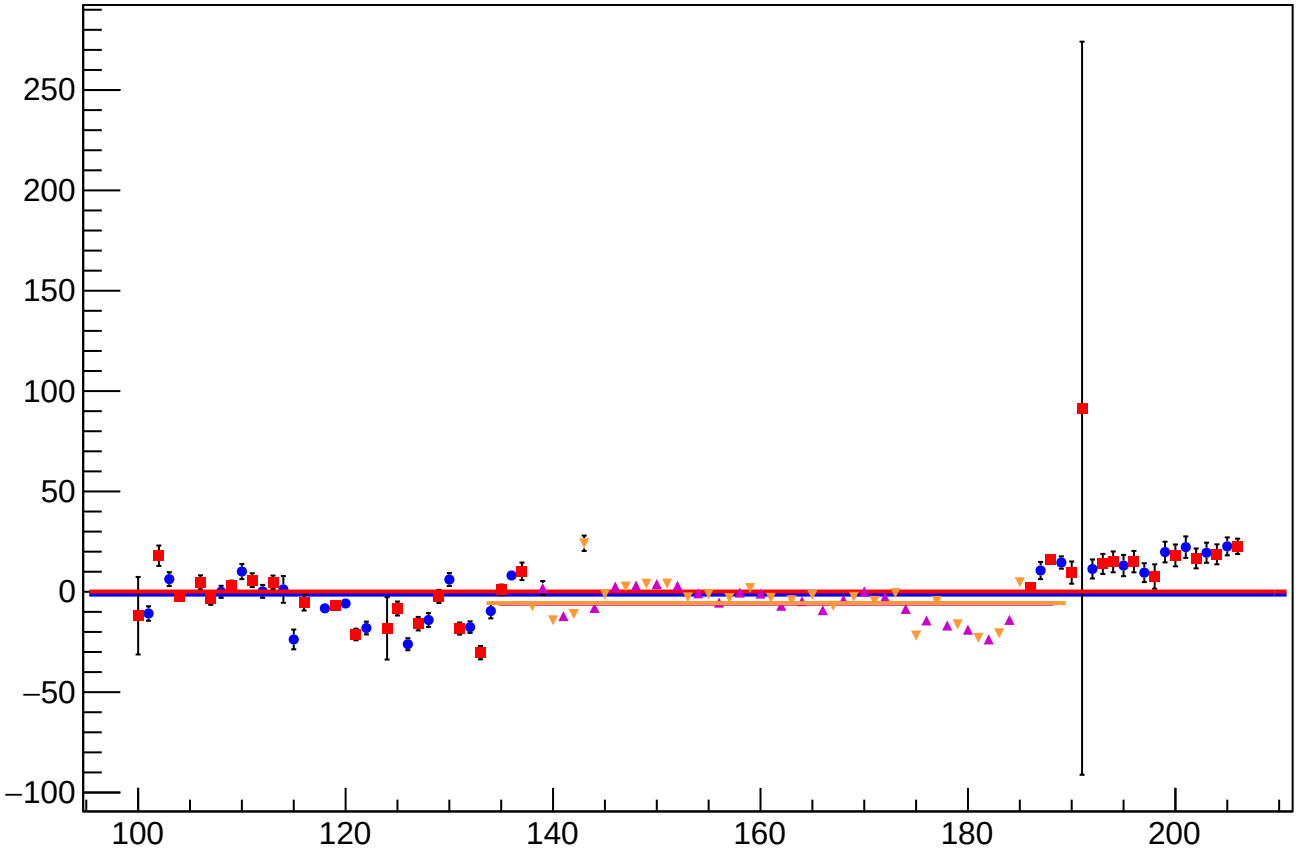
Left In: 27.466+/-0.396 χ^2/NDF:1608.9/22

+ sign 7.433+/-0.329 χ^2/NDF: 15528.4/49

All: 5.637+/-0.229 χ^2/NDF: 30421.7/103

- sign 3.962+/-0.318 χ^2/NDF: 14835.8/53

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -1.397+/-0.672 χ^2/NDF: 367.1/24

Left Out: -5.625+/-0.302 χ^2/NDF:893.3/24

Right Out: 0.128+/-0.615 χ^2/NDF: 405.9/30

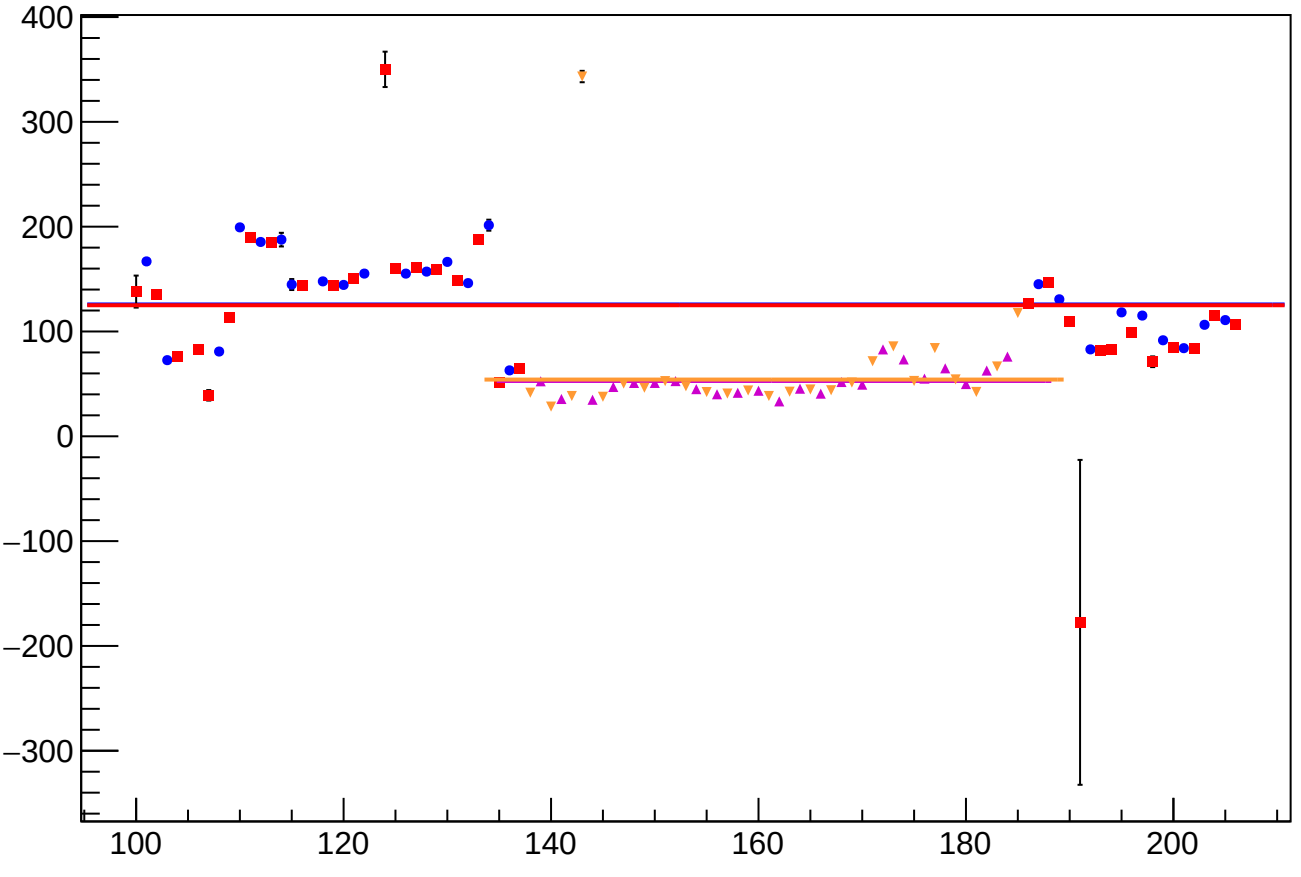
Left In: -5.940+/-0.309 χ^2/NDF:712.2/22

+ sign -4.916+/-0.275 χ^2/NDF: 1293.3/49

All: -4.817+/-0.195 χ^2/NDF: 2489.4/103

- sign -4.717+/-0.276 χ^2/NDF: 1195.8/53

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 125.776+/-0.637 χ^2/NDF: 4055.6/24

Left Out: 54.123+/-0.387 χ^2/NDF:4591.8/24

Right Out: 125.037+/-0.538 χ^2/NDF: 4418.5/30

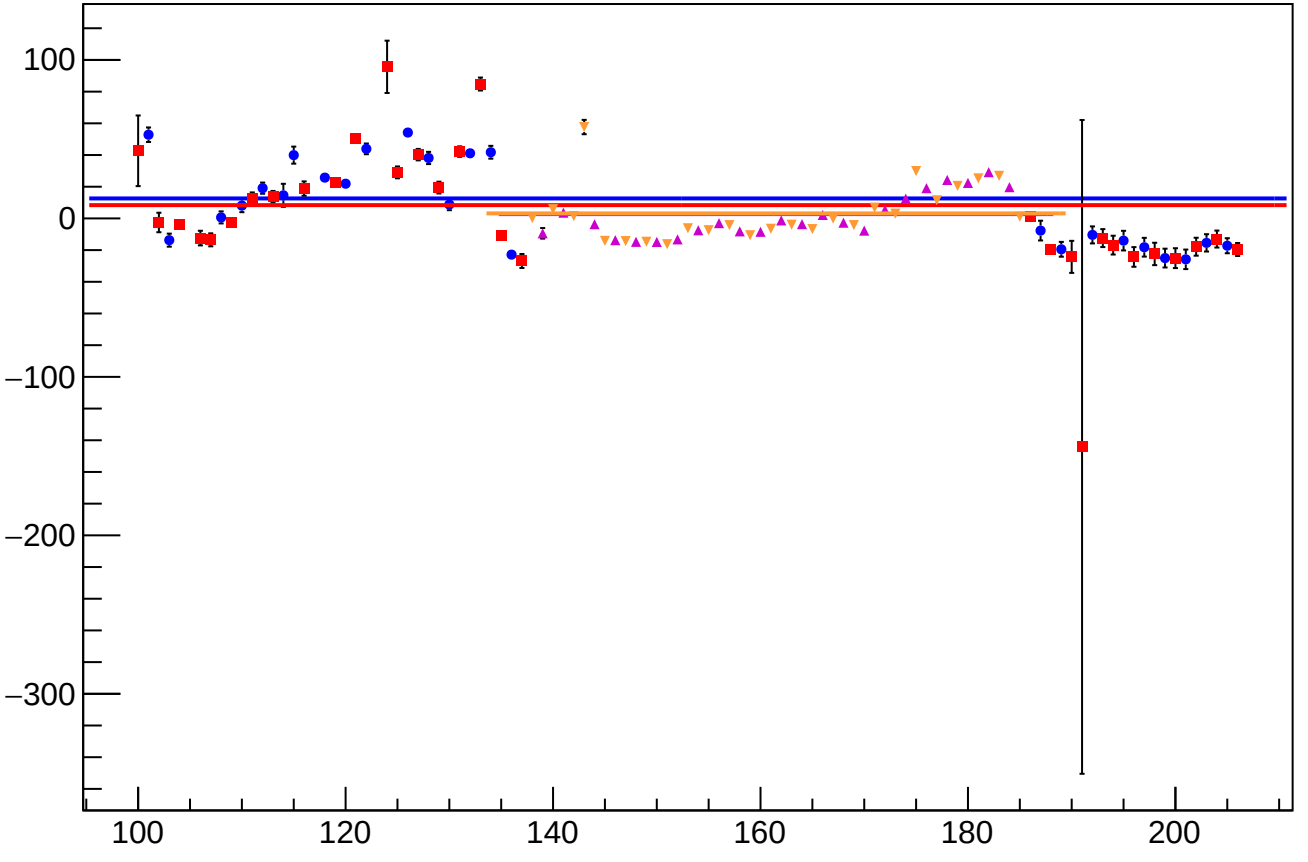
Left In: 52.797+/-0.393 χ^2/NDF:978.1/22

+ sign 73.471+/-0.331 χ^2/NDF: 17890.7/49

All: 75.777+/-0.229 χ^2/NDF: 35143.6/103

- sign 77.895+/-0.317 χ^2/NDF: 17159.7/53

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 12.599+/-0.779 χ^2/NDF: 1180.6/24

Left Out: 3.155+/-0.340 χ^2/NDF:2012.4/24

Right Out: 8.374+/-0.730 χ^2/NDF: 1314.7/30

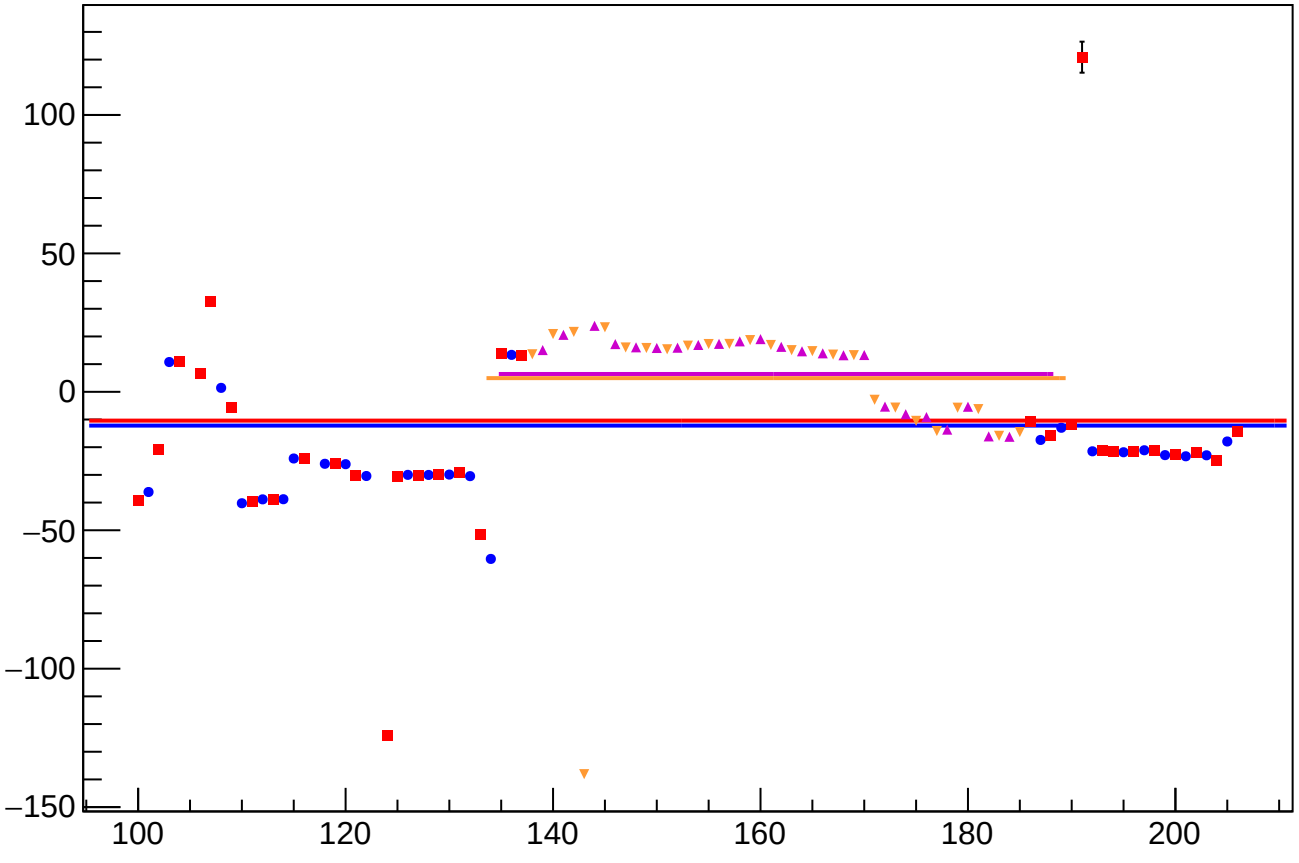
Left In: 2.722+/-0.347 χ^2/NDF:1735.2/22

\+ sign 4.664+/-0.312 χ^2/NDF: 3316.4/49

All: 4.215+/-0.221 χ^2/NDF: 6419.3/103

\- sign 3.761+/-0.313 χ^2/NDF: 3098.7/53

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -12.197+/-0.038 χ^2/NDF: 295307.7/24

Left Out: 4.946+/-0.015 χ^2/NDF:1136506.7/24

Right Out: -10.398+/-0.036 χ^2/NDF: 273879.3/30

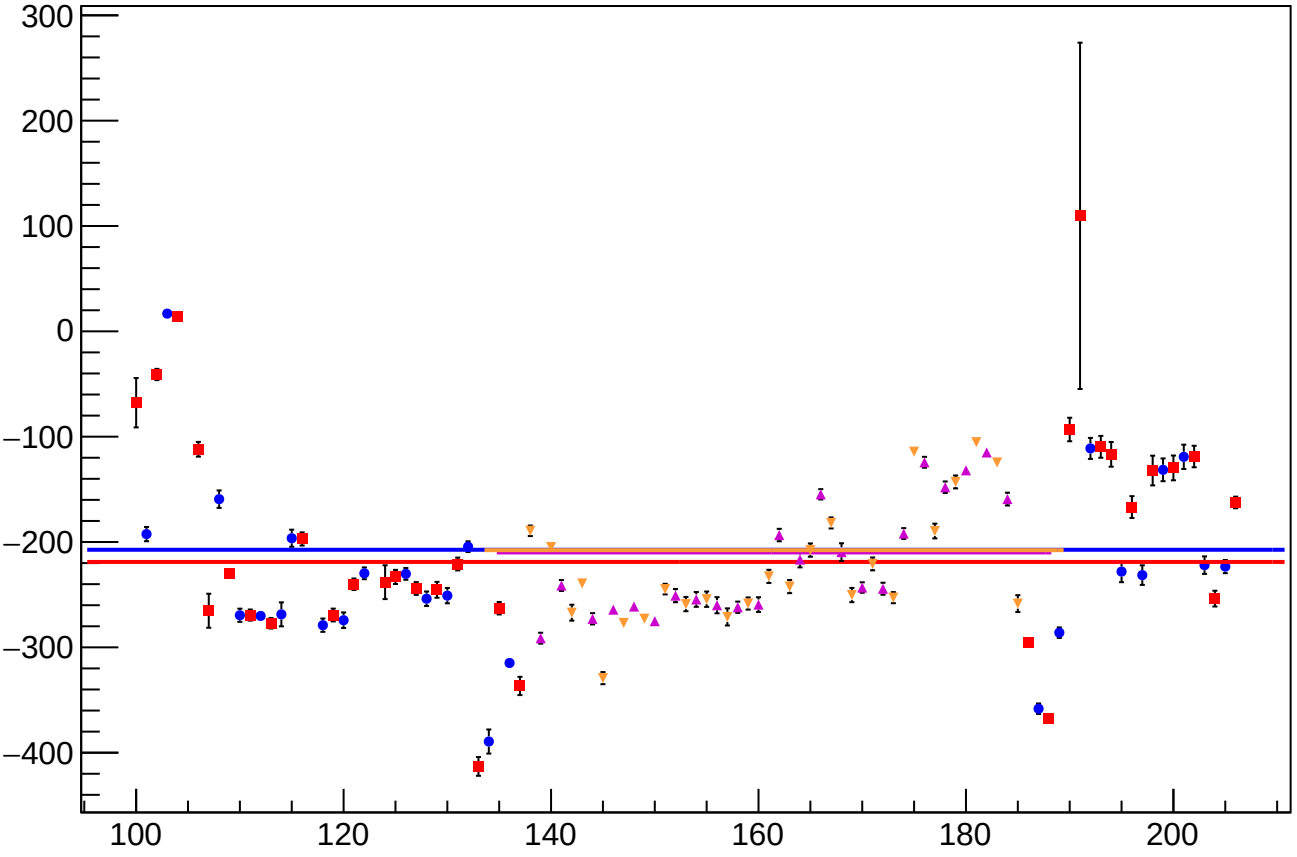
Left In: 6.444+/-0.015 χ^2/NDF:729692.1/22

+ sign 2.532+/-0.014 χ^2/NDF: 1610522.4/49

All: 3.196+/-0.010 χ^2/NDF: 2803538.8/103

- sign 3.860+/-0.014 χ^2/NDF: 1188583.3/53

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -207.360+/-1.227 χ^2/NDF: 8735.0/24

Left Out: -207.745+/-1.070 χ^2/NDF:3487.2/24

Right Out: -218.913+/-1.089 χ^2/NDF: 12297.3/30

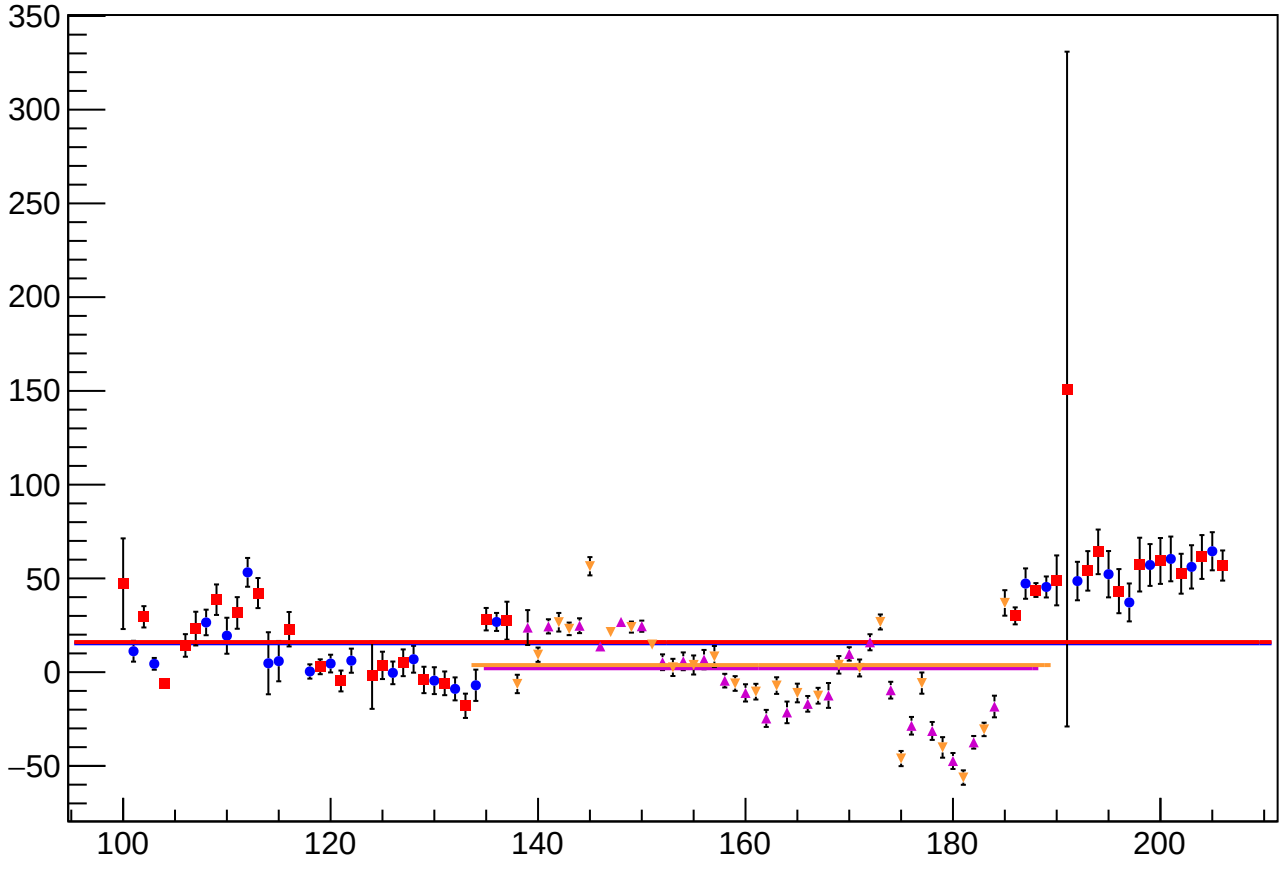
Left In: -209.875+/-1.101 χ^2/NDF:3011.9/22

+ sign -207.578+/-0.806 χ^2/NDF: 12222.2/49

All: -211.149+/-0.559 χ^2/NDF: 27603.2/103

- sign -214.443+/-0.774 χ^2/NDF: 15343.2/53

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 15.396+/-1.303 χ^2/NDF: 240.6/24

Left Out: 3.770+/-0.787 χ^2/NDF:972.1/24

Right Out: 16.053+/-1.164 χ^2/NDF: 379.3/30

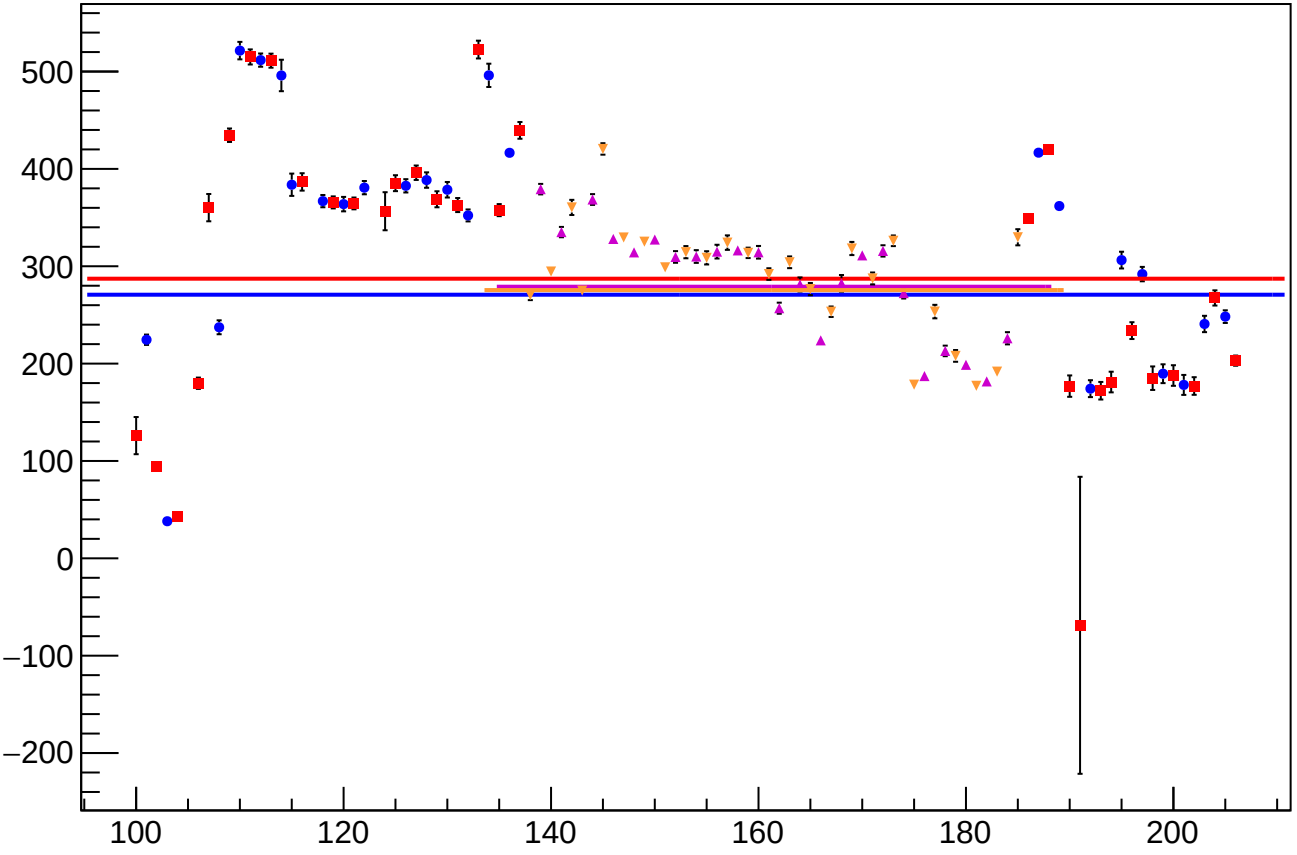
Left In: 2.079+/-0.820 χ^2/NDF:770.2/22

\+ sign 6.878+/-0.674 χ^2/NDF: 1271.0/49

All: 6.797+/-0.475 χ^2/NDF: 2517.0/103

\- sign 6.716+/-0.670 χ^2/NDF: 1245.9/53

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 270.769+/-1.183 χ^2/NDF: 17606.9/24

Left Out: 275.536+/-1.062 χ^2/NDF:3323.1/24

Right Out: 287.216+/-1.020 χ^2/NDF: 22158.7/30

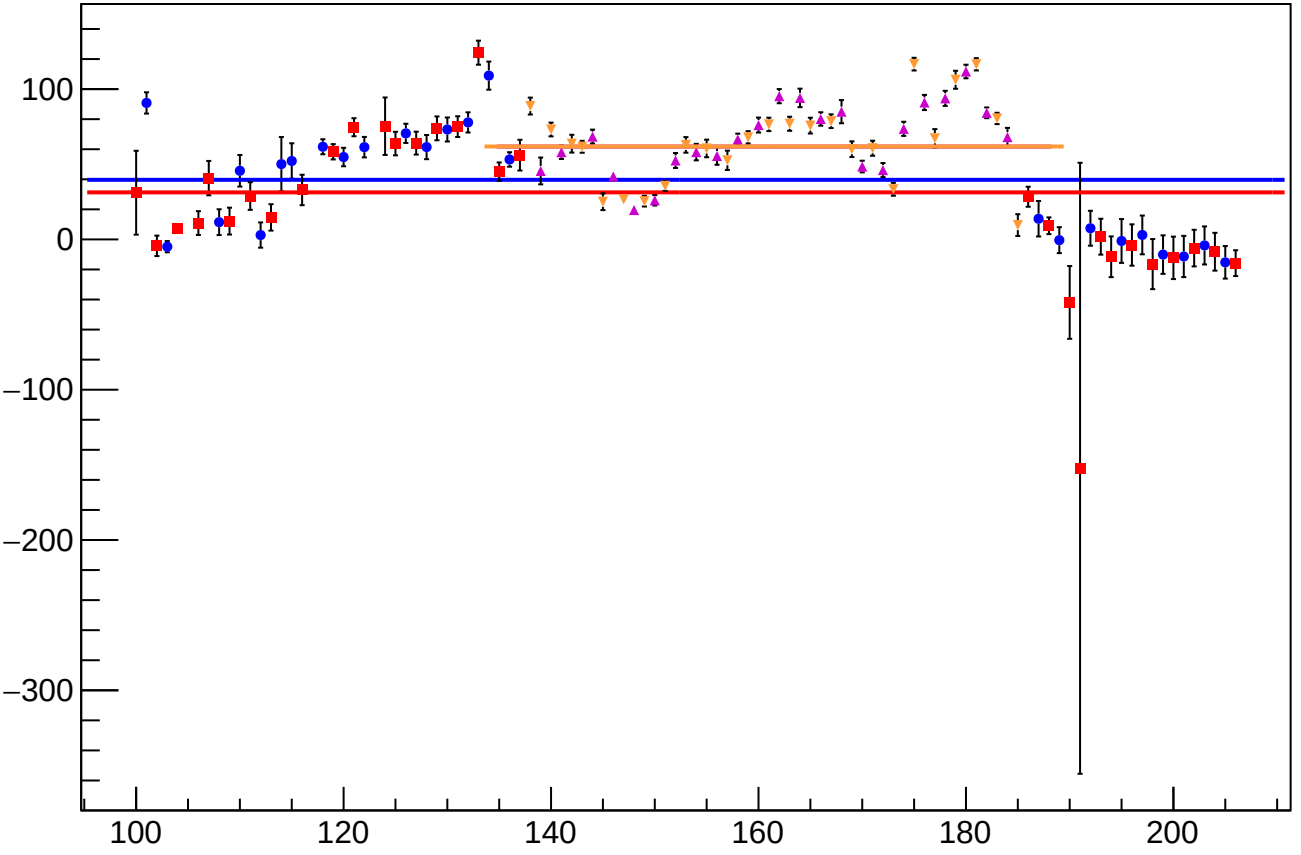
Left In: 278.989+/-1.089 χ^2/NDF:3114.7/22

+ sign 273.408+/-0.790 χ^2/NDF: 20939.0/49

All: 278.687+/-0.542 χ^2/NDF: 46327.1/103

- sign 283.371+/-0.744 χ^2/NDF: 25303.8/53

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 39.651+/-1.535 χ^2/NDF: 522.1/24

Left Out: 61.818+/-0.907 χ^2/NDF:959.5/24

Right Out: 31.295+/-1.411 χ^2/NDF: 556.0/30

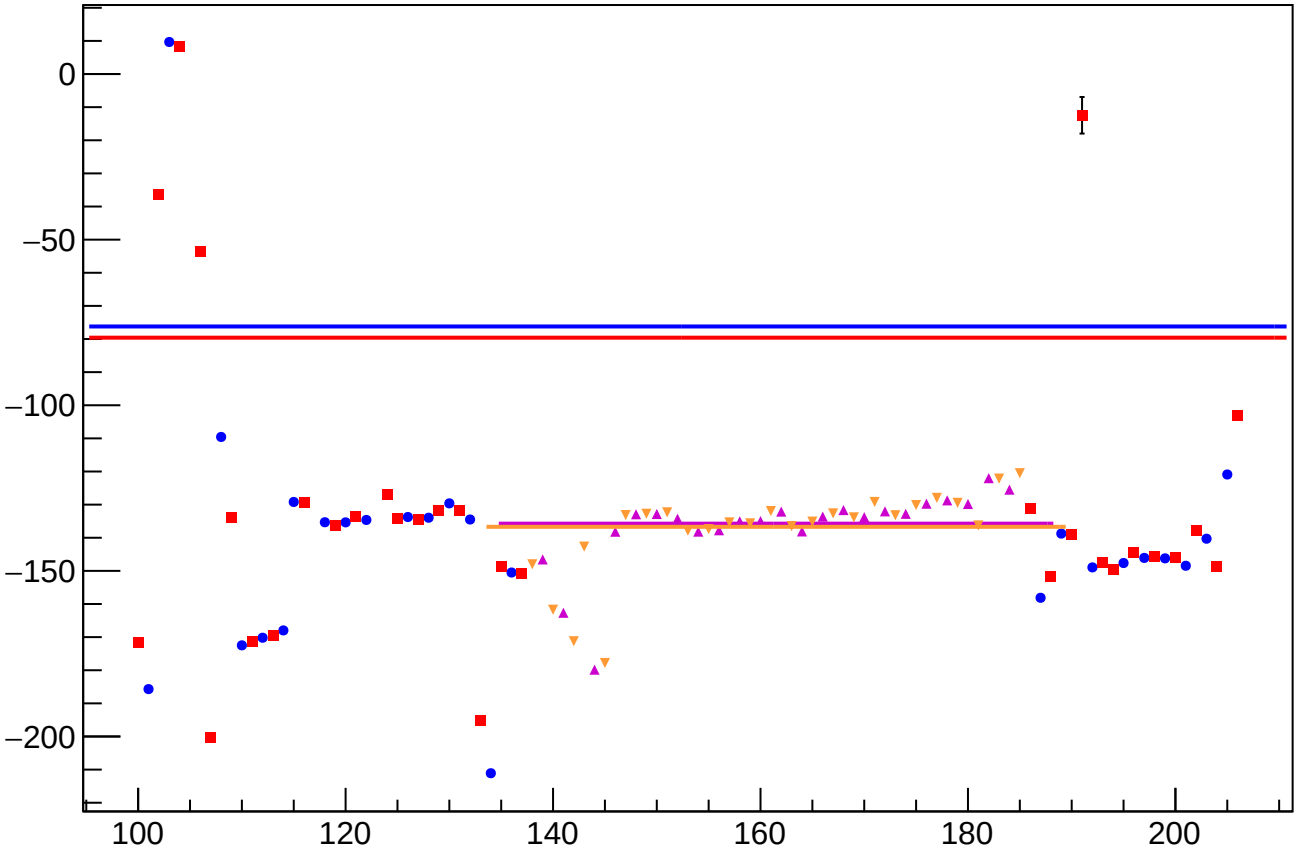
Left In: 61.763+/-0.939 χ^2/NDF:736.0/22

+ sign 56.076+/-0.781 χ^2/NDF: 1636.1/49

All: 54.247+/-0.552 χ^2/NDF: 3262.3/103

- sign 52.417+/-0.782 χ^2/NDF: 1615.3/53

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -76.214+/-0.065 χ^2/NDF: 1508766.8/24

Left Out: -136.695+/-0.042 χ^2/NDF:79006.9/24

Right Out: -79.595+/-0.063 χ^2/NDF: 1215779.3/30

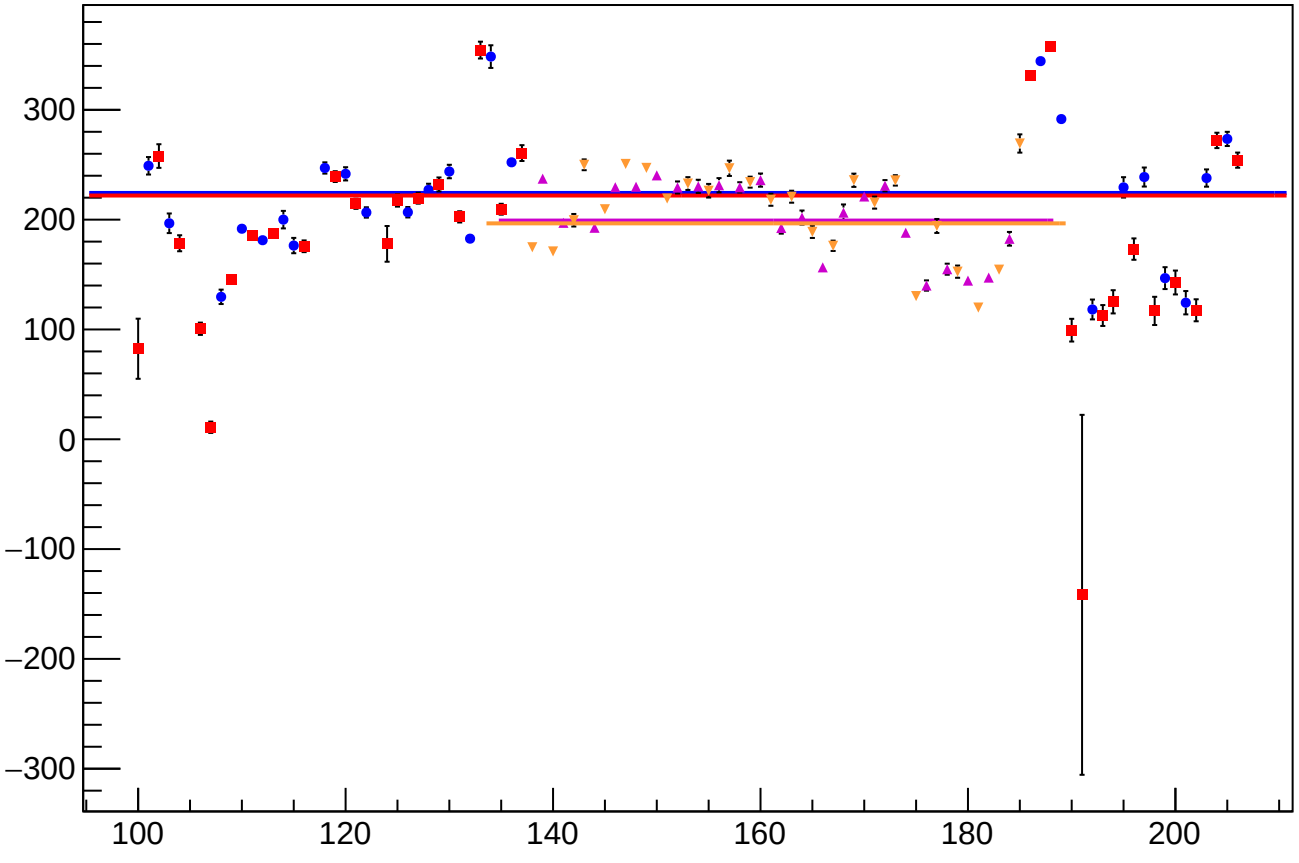
Left In: -135.745+/-0.043 χ^2/NDF:63681.9/22

+ sign -118.664+/-0.035 χ^2/NDF: 2198790.8/49

All: -118.422+/-0.025 χ^2/NDF: 4016662.5/10

- sign -118.180+/-0.035 χ^2/NDF: 1817778.6/53

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 224.320+/-1.126 χ^2/NDF: 2163.5/24

Left Out: 196.615+/-0.946 χ^2/NDF:2075.5/24

Right Out: 221.964+/-0.978 χ^2/NDF: 8165.5/30

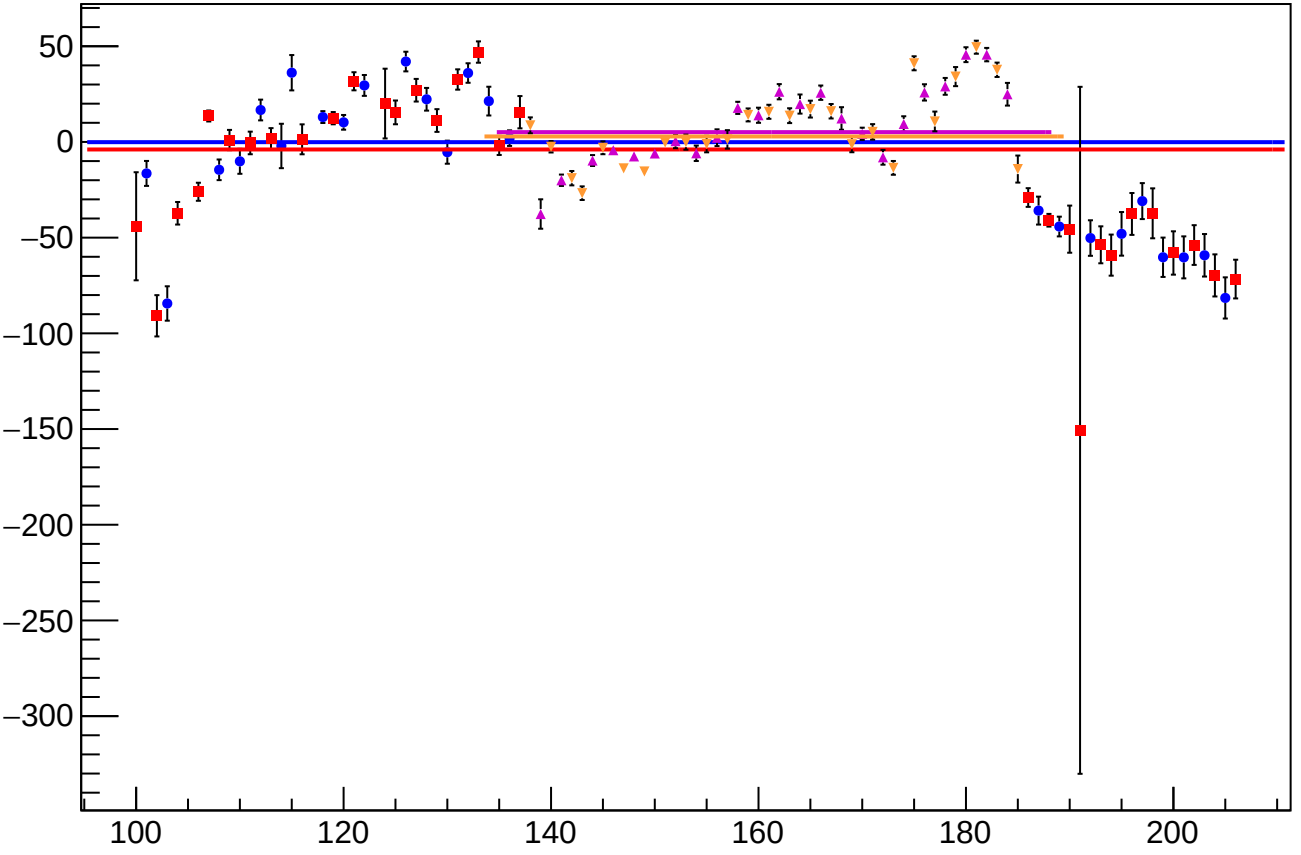
Left In: 199.153+/-0.973 χ^2/NDF:1294.6/22

+ sign 208.083+/-0.724 χ^2/NDF: 4593.7/49

All: 209.351+/-0.500 χ^2/NDF: 14333.2/103

- sign 210.500+/-0.690 χ^2/NDF: 9733.7/53

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.111+/-1.209 χ^2/NDF: 629.1/24

Left Out: 2.870+/-0.693 χ^2/NDF:752.8/24

Right Out: -3.930+/-1.069 χ^2/NDF: 783.5/30

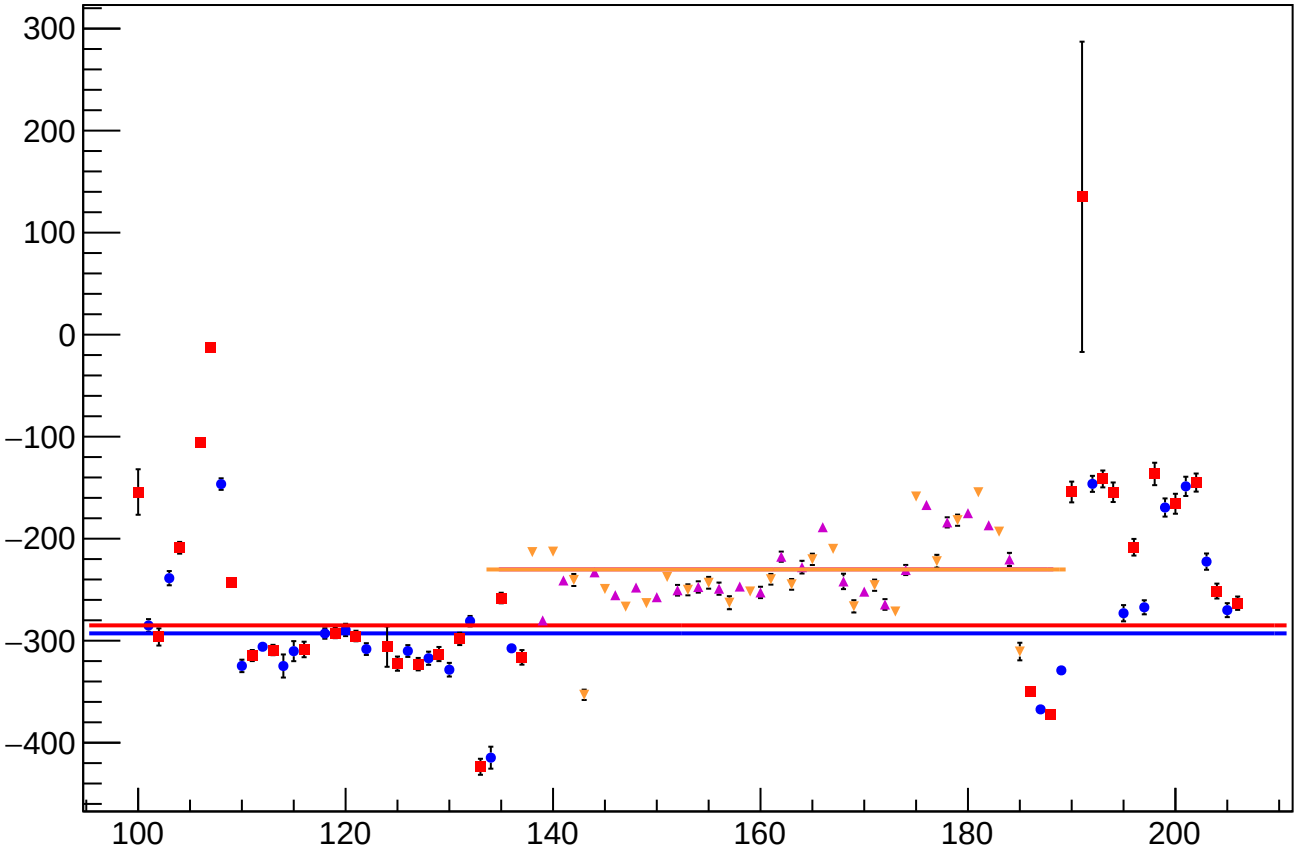
Left In: 5.126+/-0.718 χ^2/NDF:628.6/22

+ sign 2.133+/-0.601 χ^2/NDF: 1386.4/49

All: 2.223+/-0.423 χ^2/NDF: 2848.0/103

- sign 2.311+/-0.596 χ^2/NDF: 1461.5/53

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -292.827+/-1.178 χ^2/NDF: 2362.3/24

Left Out: -230.182+/-0.939 χ^2/NDF:2181.9/24

Right Out: -284.986+/-0.986 χ^2/NDF: 9918.2/30

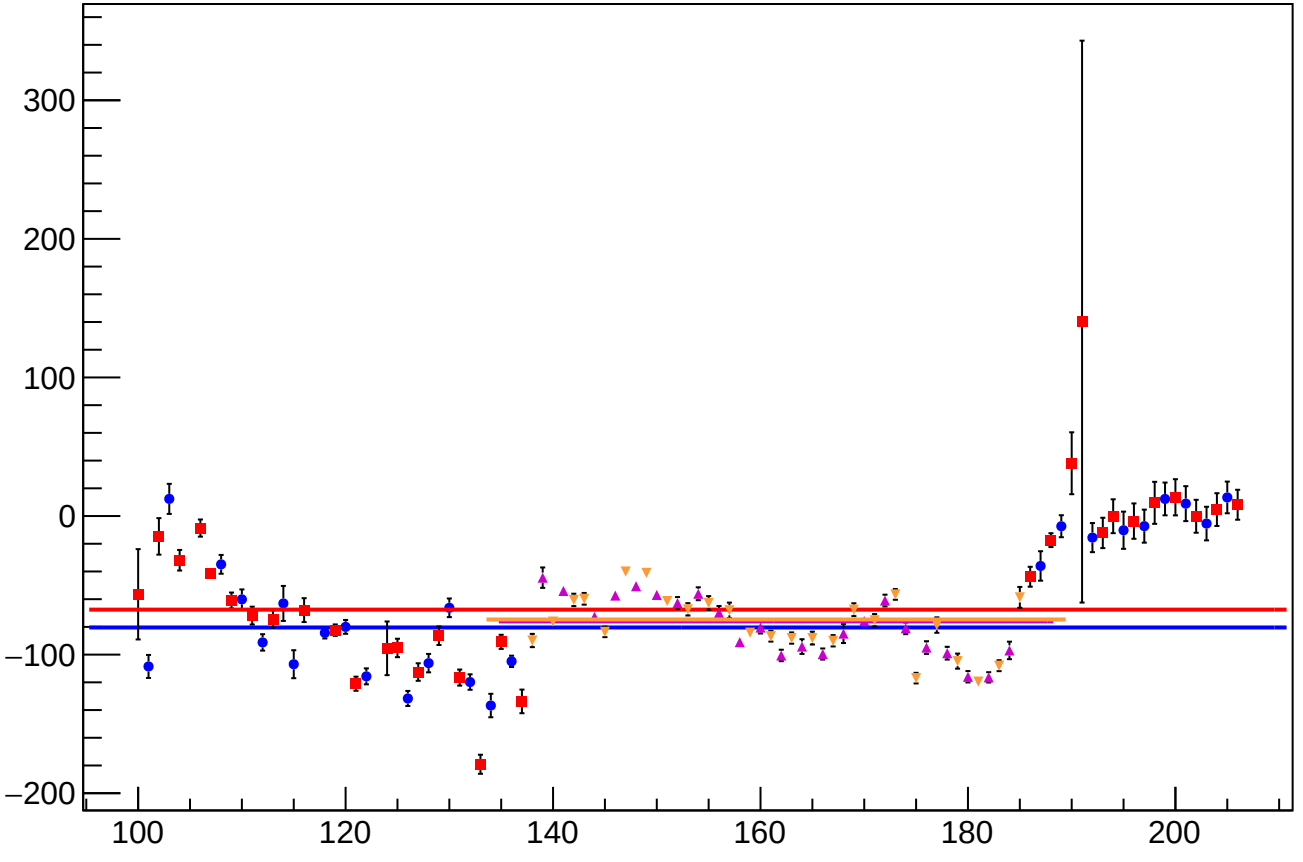
Left In: -230.047+/-0.961 χ^2/NDF:1094.0/22

+ sign -254.514+/-0.734 χ^2/NDF: 6273.1/49

All: -255.741+/-0.502 χ^2/NDF: 18883.1/103

- sign -256.817+/-0.688 χ^2/NDF: 12604.8/53

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -80.413+/-1.416 χ^2/NDF: 849.1/24

Left Out: -74.644+/-0.801 χ^2/NDF:831.0/24

Right Out: -67.534+/-1.282 χ^2/NDF: 1198.2/30

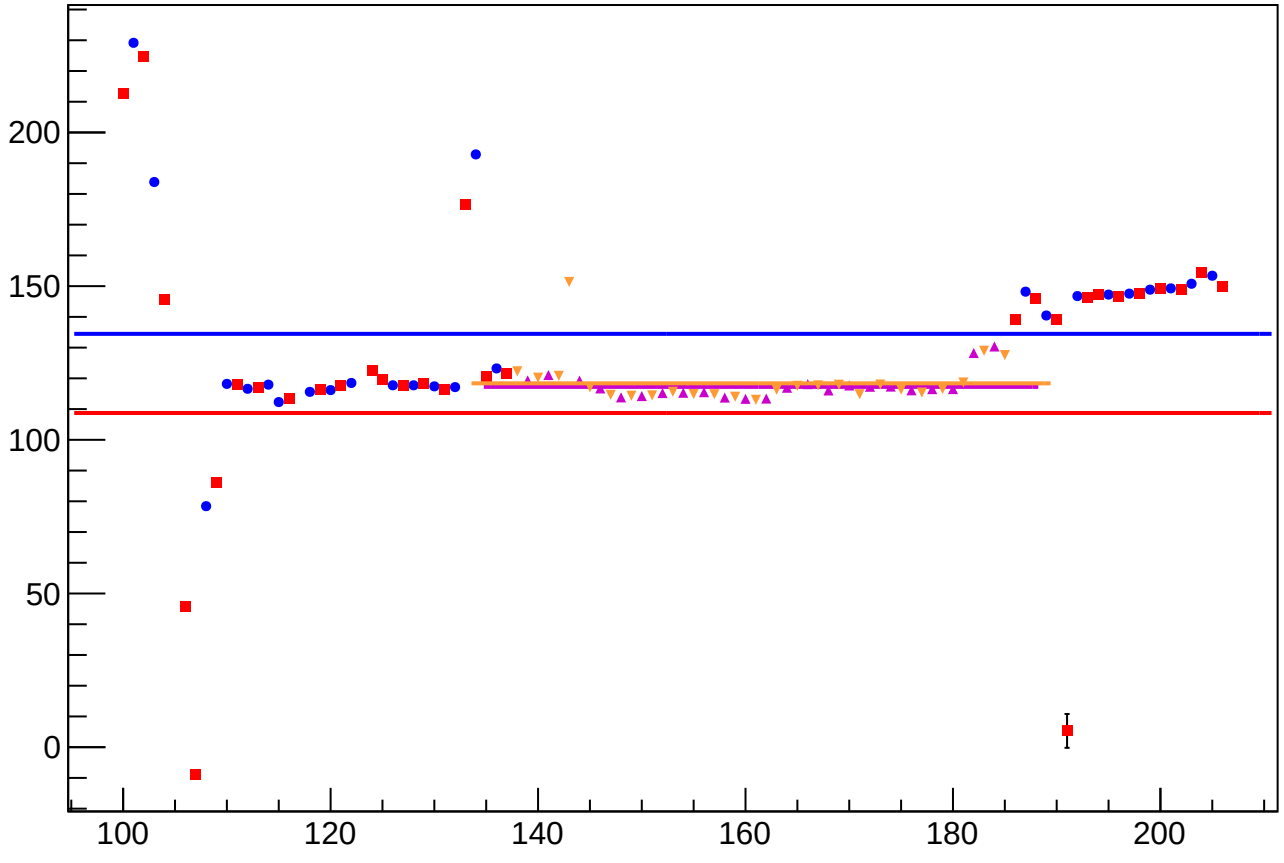
Left In: -76.025+/-0.824 χ^2/NDF:646.0/22

+ sign -76.042+/-0.697 χ^2/NDF: 1692.7/49

All: -74.785+/-0.491 χ^2/NDF: 3574.5/103

- sign -73.541+/-0.693 χ^2/NDF: 1875.3/53

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 134.478+/-0.074 χ^2/NDF: 197802.5/24

Left Out: 118.382+/-0.037 χ^2/NDF:34938.1/24

Right Out: 108.732+/-0.066 χ^2/NDF: 761054.5/30

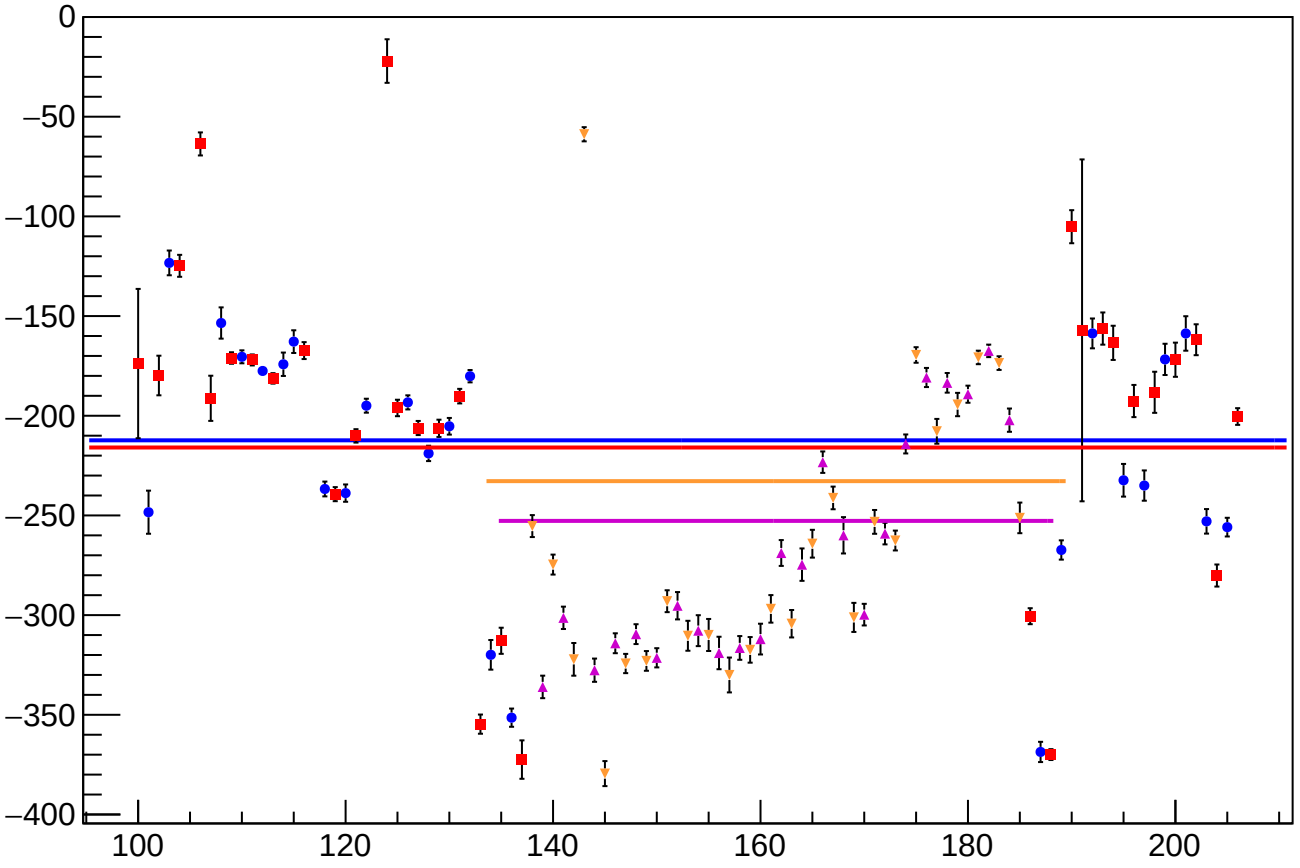
Left In: 117.225+/-0.038 χ^2/NDF:10227.9/22

+ sign 121.616+/-0.033 χ^2/NDF: 270199.9/49

All: 118.302+/-0.023 χ^2/NDF: 1073459.1/103

- sign 115.126+/-0.033 χ^2/NDF: 783893.1/53

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -212.324+/-0.918 χ^2/NDF: 3479.7/24

Left Out: -232.800+/-1.072 χ^2/NDF:5764.0/24

Right Out: -215.926+/-0.834 χ^2/NDF: 7679.6/30

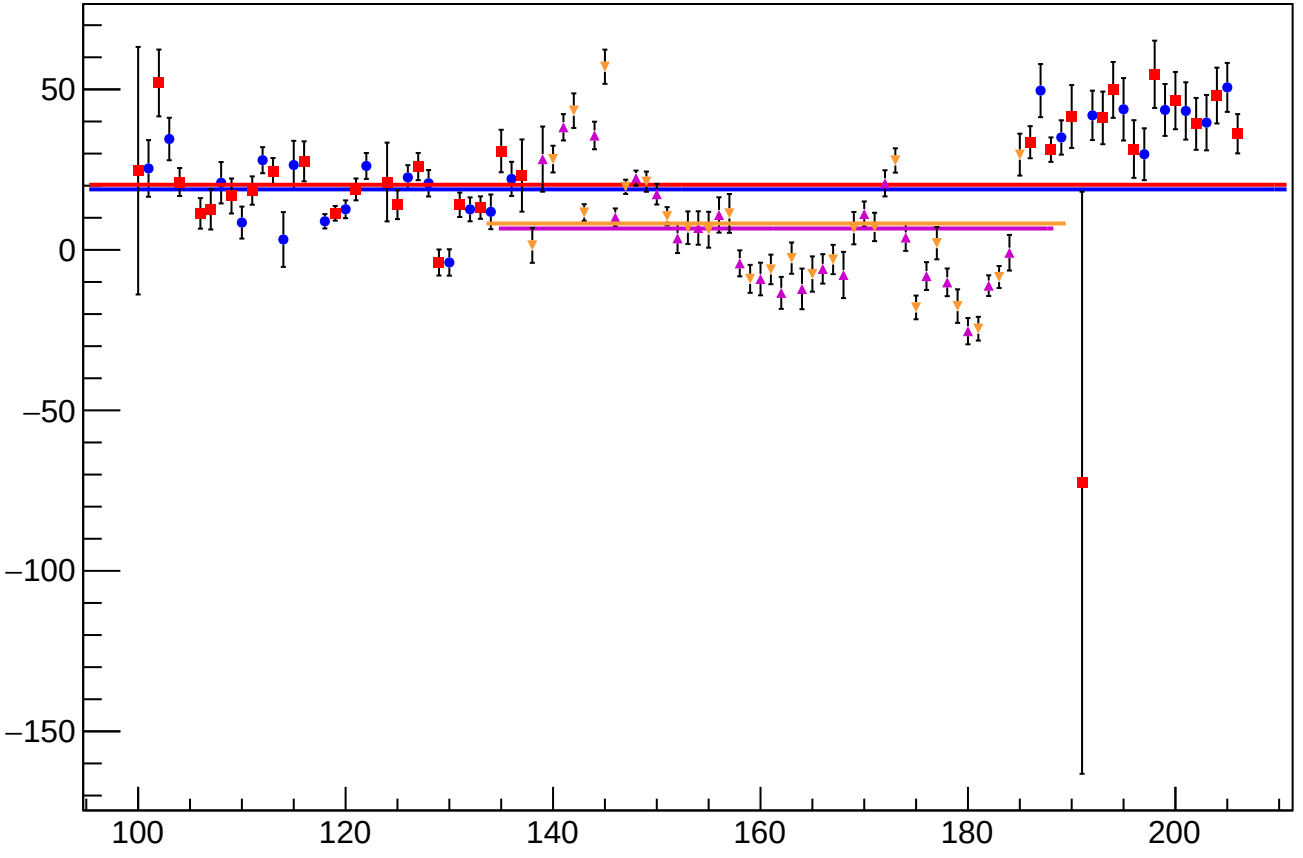
Left In: -252.738+/-1.131 χ^2/NDF:2913.9/22

+ sign -220.987+/-0.697 χ^2/NDF: 9454.2/49

All: -225.091+/-0.484 χ^2/NDF: 20801.0/103

- sign -228.893+/-0.671 χ^2/NDF: 11280.0/53

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 18.848+/-0.970 χ^2/NDF: 165.0/24

Left Out: 8.222+/-0.803 χ^2/NDF:457.9/24

Right Out: 20.287+/-0.926 χ^2/NDF: 163.7/30

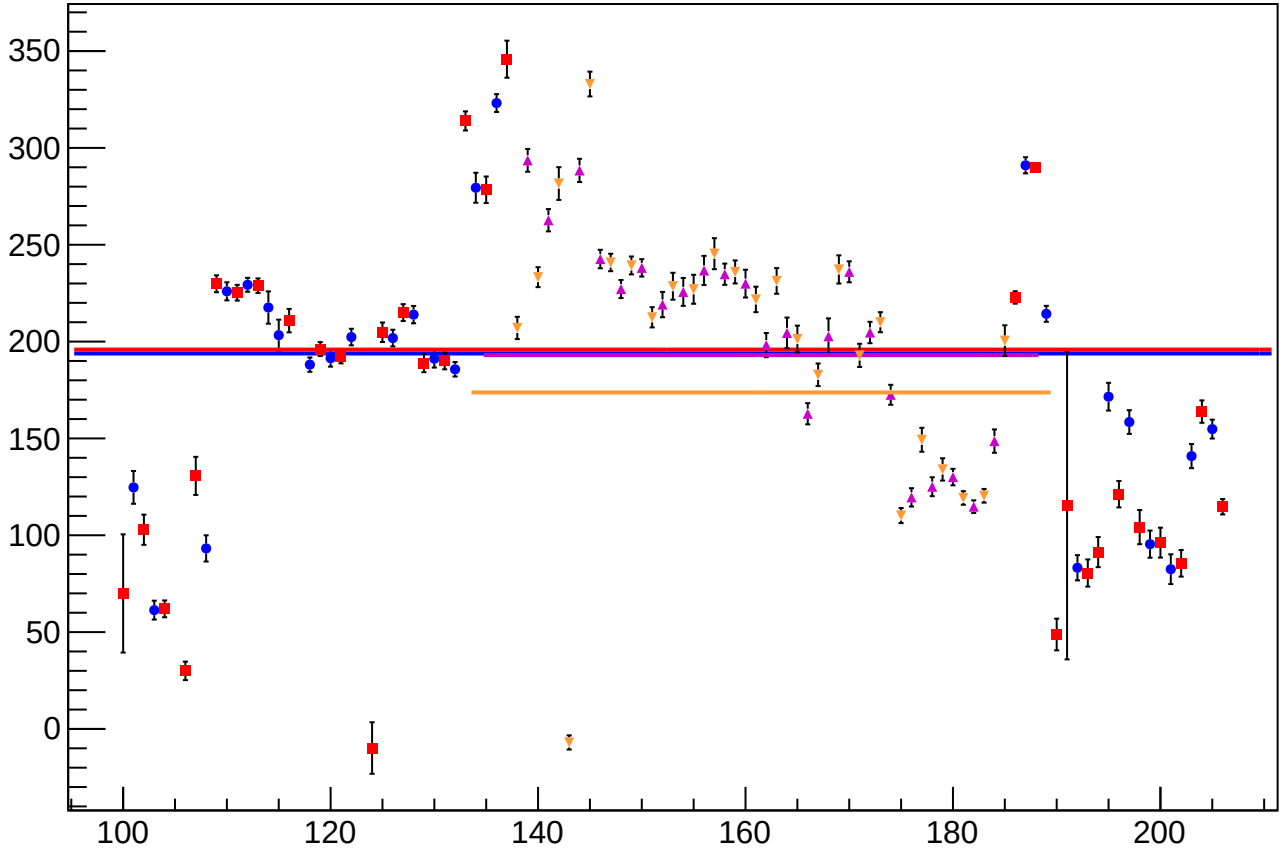
Left In: 6.657+/-0.858 χ^2/NDF:354.8/22

+ sign 12.540+/-0.619 χ^2/NDF: 694.1/49

All: 12.745+/-0.441 χ^2/NDF: 1329.4/103

- sign 12.958+/-0.629 χ^2/NDF: 635.1/53

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 193.849+/-1.005 χ^2/NDF: 3568.4/24

Left Out: 173.752+/-1.069 χ^2/NDF:5260.7/24

Right Out: 195.866+/-0.885 χ^2/NDF: 7549.1/30

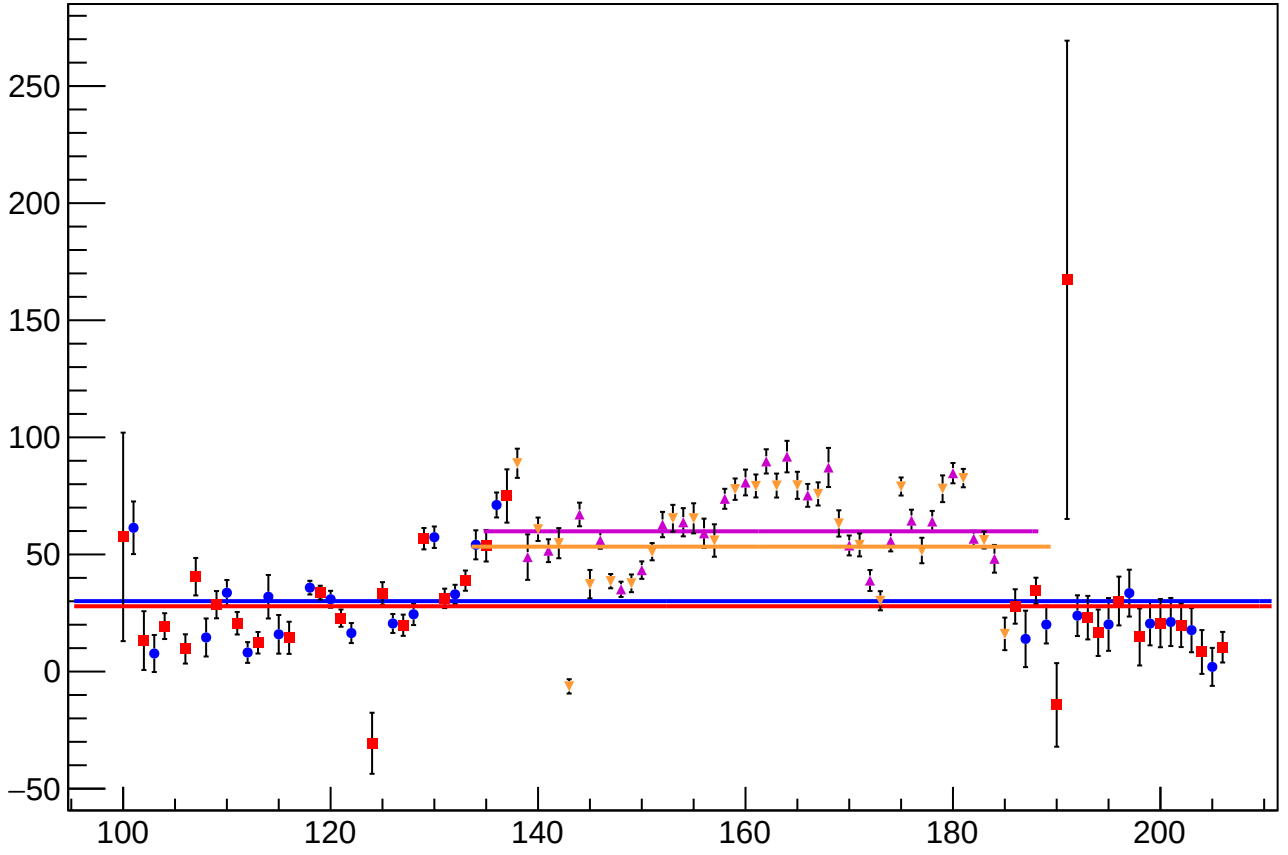
Left In: 193.026+/-1.122 χ^2/NDF:2512.0/22

+ sign 184.418+/-0.732 χ^2/NDF: 9016.8/49

All: 189.866+/-0.504 χ^2/NDF: 19187.1/103

- sign 194.776+/-0.695 χ^2/NDF: 10065.0/53

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 30.077+/-1.135 χ^2/NDF: 199.2/24

Left Out: 53.331+/-0.922 χ^2/NDF:778.9/24

Right Out: 27.885+/-1.088 χ^2/NDF: 166.6/30

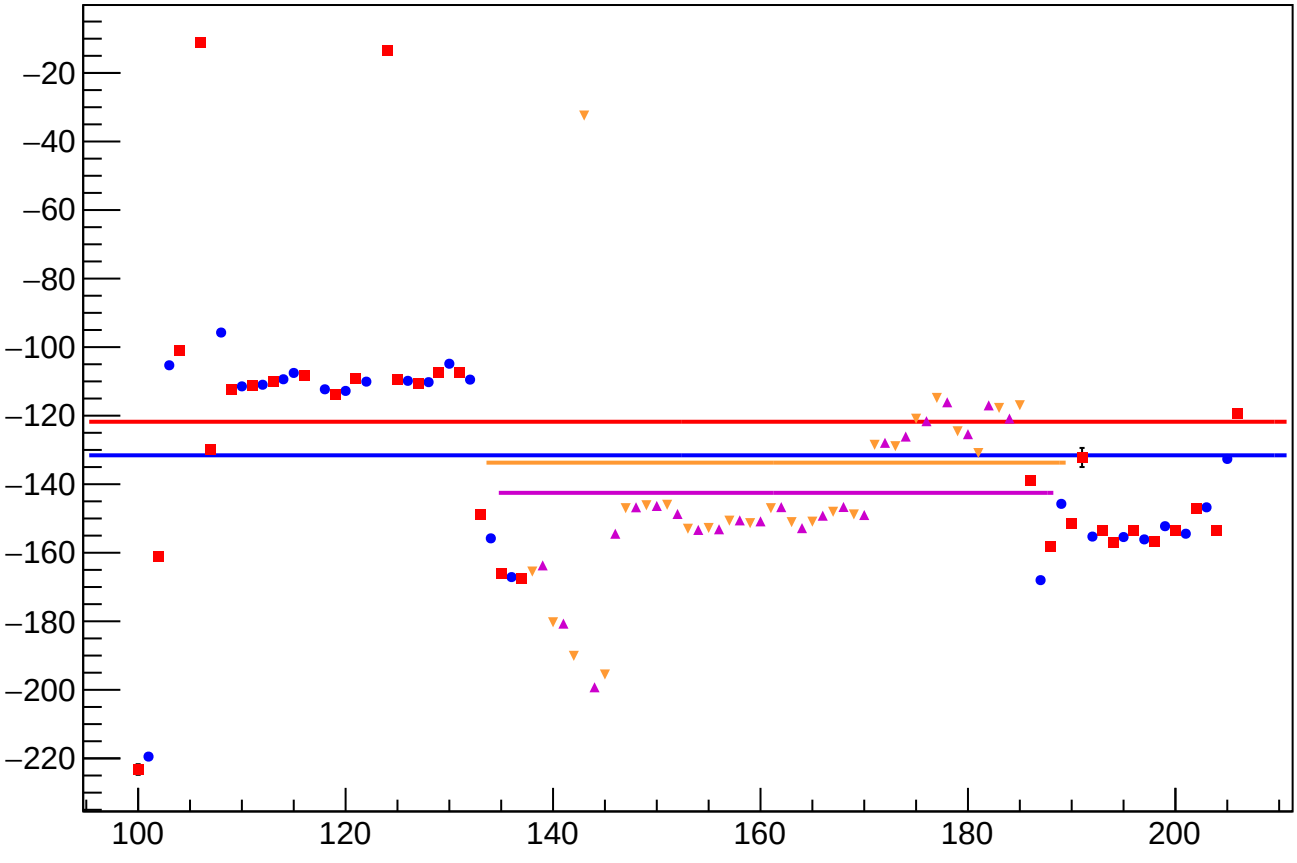
Left In: 59.887+/-0.977 χ^2/NDF:251.2/22

+ sign 44.088+/-0.715 χ^2/NDF: 1231.1/49

All: 44.831+/-0.510 χ^2/NDF: 2130.3/103

- sign 45.598+/-0.727 χ^2/NDF: 896.9/53

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -131.569+/-0.064 χ^2/NDF: 172925.1/24

Left Out: -133.709+/-0.043 χ^2/NDF:675925.6/24

Right Out: -121.775+/-0.059 χ^2/NDF: 495616.6/30

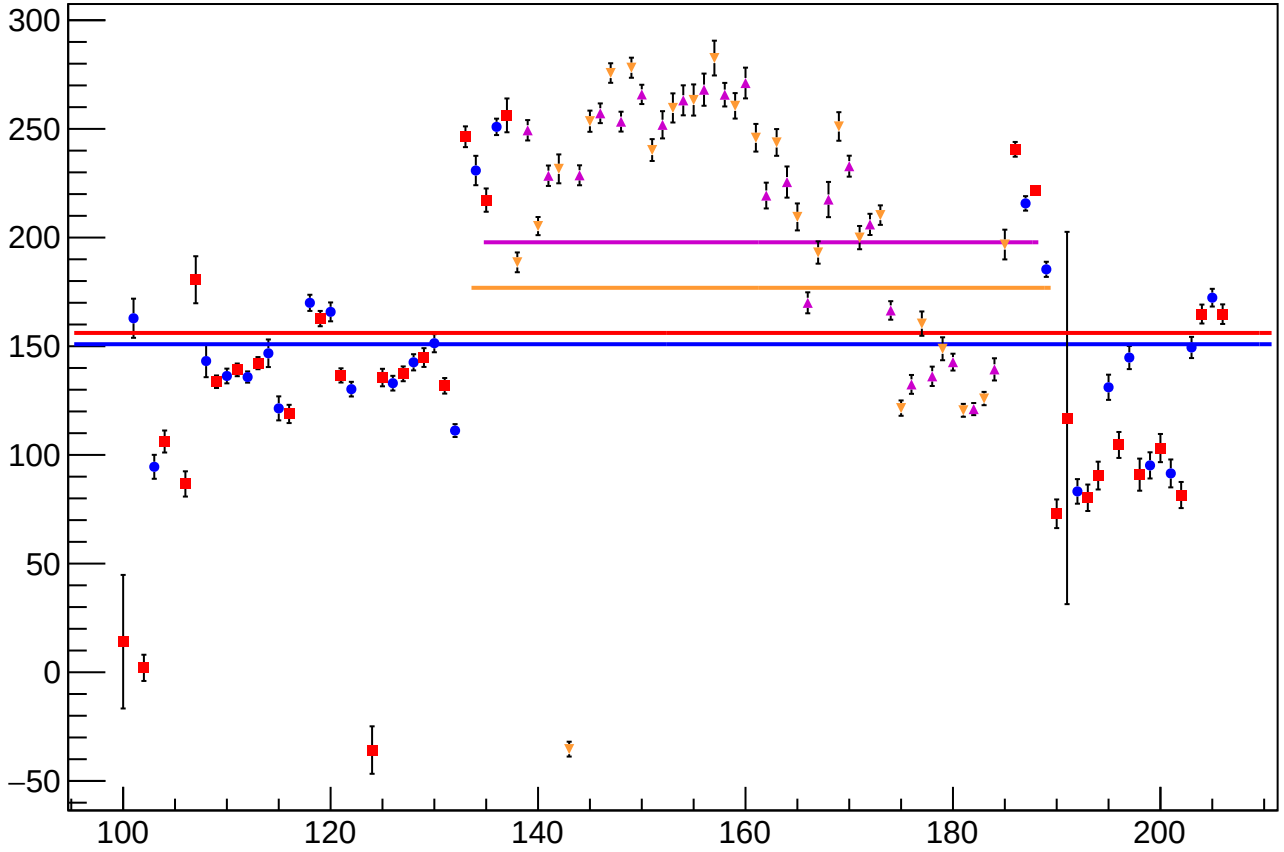
Left In: -142.518+/-0.044 χ^2/NDF:178481.1/22

+ sign -133.050+/-0.036 χ^2/NDF: 849619.7/49

All: -134.028+/-0.025 χ^2/NDF: 1604312.7/10

- sign -134.996+/-0.035 χ^2/NDF: 753194.1/53

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 150.932+/-0.840 χ^2/NDF: 2149.3/24

Left Out: 176.884+/-0.958 χ^2/NDF:7424.8/24

Right Out: 156.122+/-0.754 χ^2/NDF: 5002.6/30

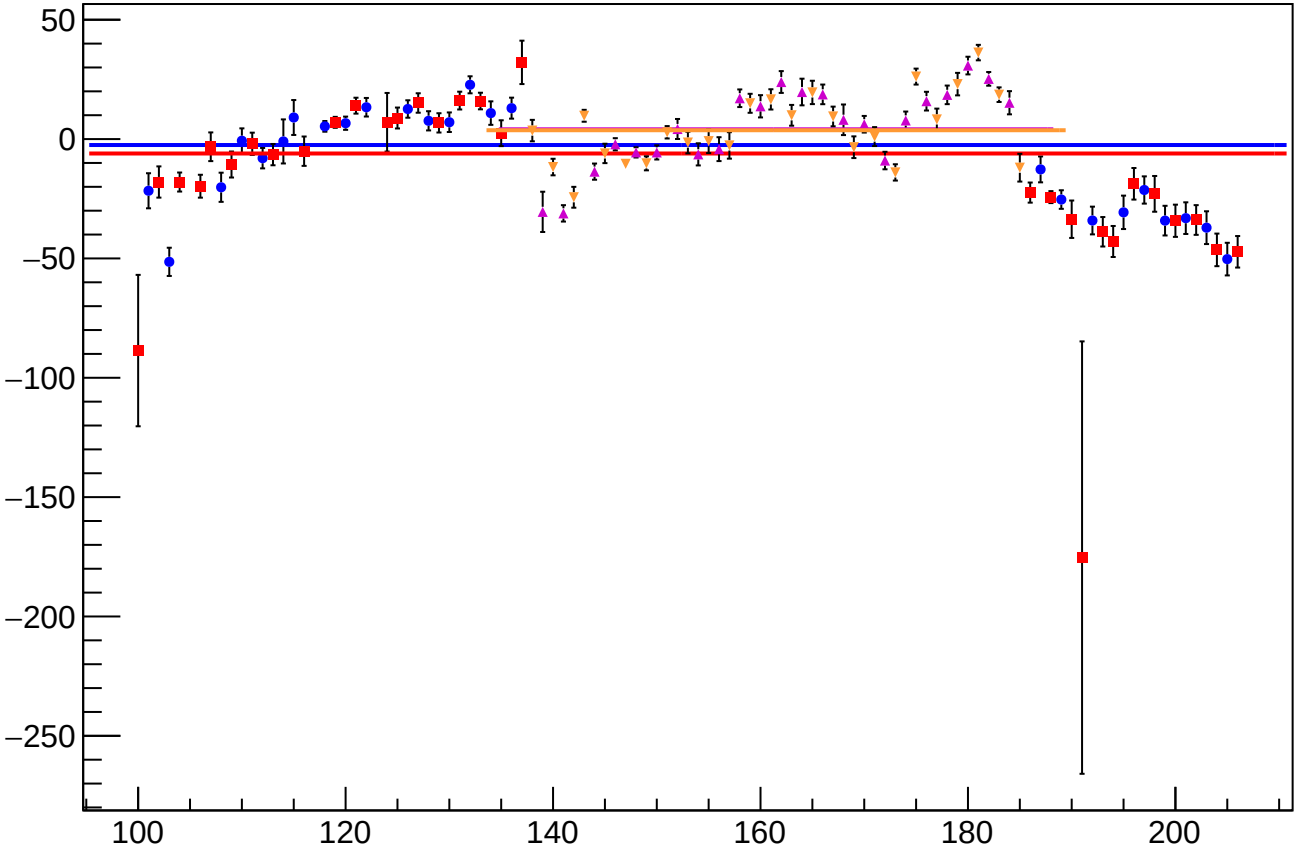
Left In: 197.829+/-1.006 χ^2/NDF:2968.0/22

+ sign 162.221+/-0.632 χ^2/NDF: 9989.1/49

All: 166.870+/-0.436 χ^2/NDF: 19164.0/103

- sign 171.110+/-0.603 χ^2/NDF: 9071.3/53

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -2.487+/-0.901 χ^2/NDF: 442.6/24

Left Out: 3.708+/-0.723 χ^2/NDF:400.9/24

Right Out: -6.040+/-0.848 χ^2/NDF: 507.5/30

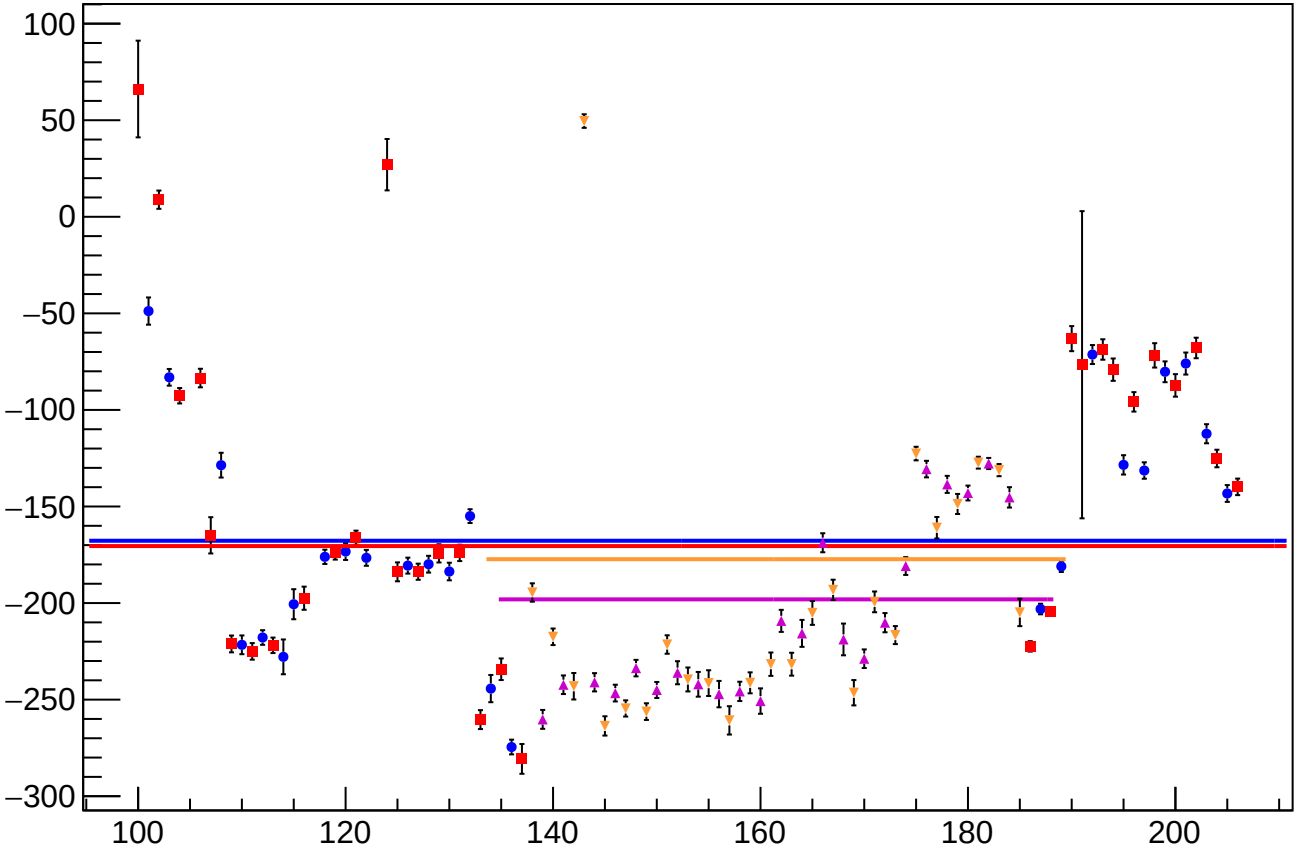
Left In: 4.102+/-0.769 χ^2/NDF:398.9/22

+ sign 1.280+/-0.564 χ^2/NDF: 872.3/49

All: 0.411+/-0.401 χ^2/NDF: 1862.1/103

- sign -0.475+/-0.570 χ^2/NDF: 985.0/53

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -167.731+/-0.878 χ^2/NDF: 3408.2/24

Left Out: -177.283+/-0.956 χ^2/NDF:7040.0/24

Right Out: -170.487+/-0.755 χ^2/NDF: 6648.0/30

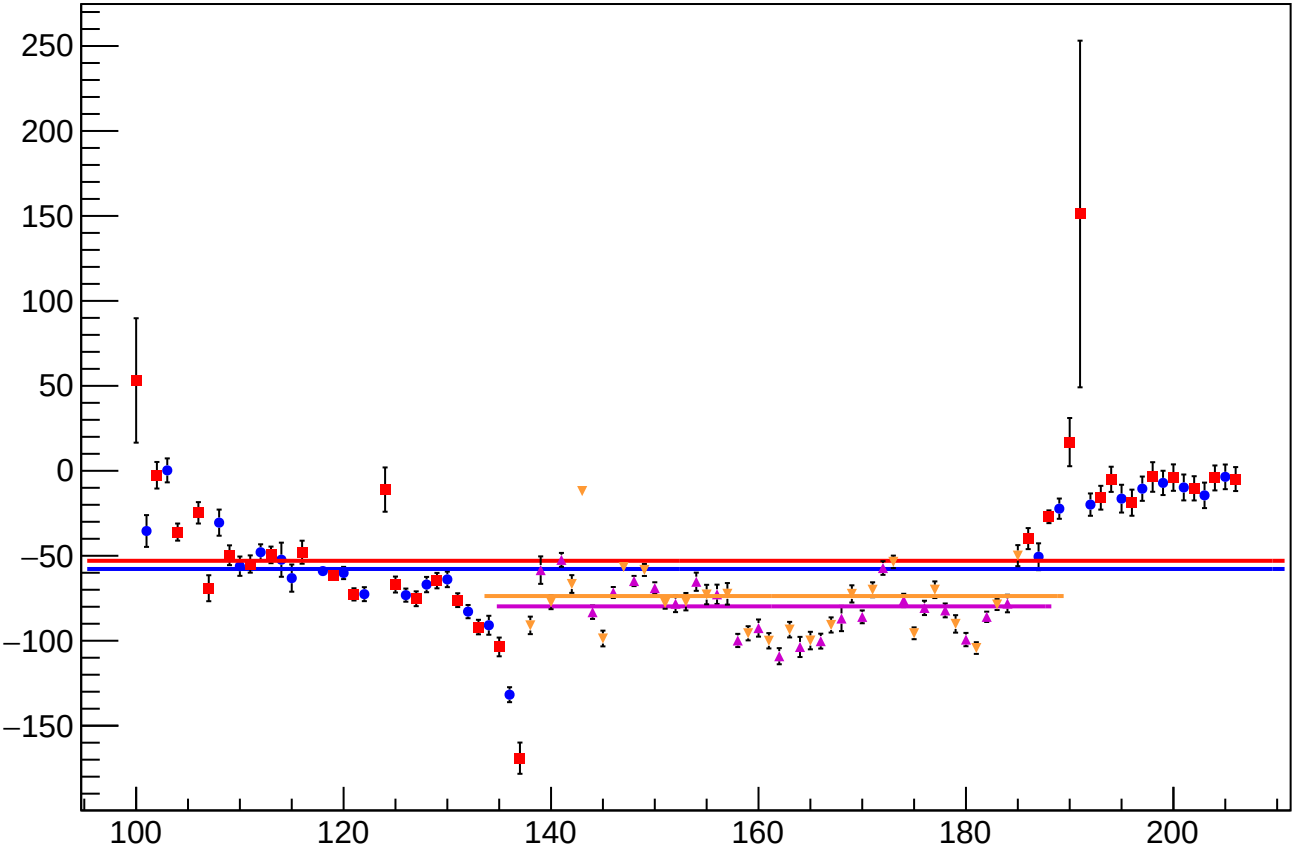
Left In: -198.088+/-1.000 χ^2/NDF:2386.2/22

+ sign -172.100+/-0.647 χ^2/NDF: 10502.4/49

All: -176.599+/-0.441 χ^2/NDF: 20112.3/103

- sign -180.505+/-0.602 χ^2/NDF: 9519.5/53

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -57.772+/-1.059 χ^2/NDF: 803.1/24

Left Out: -73.706+/-0.829 χ^2/NDF:839.6/24

Right Out: -52.956+/-1.010 χ^2/NDF: 905.7/30

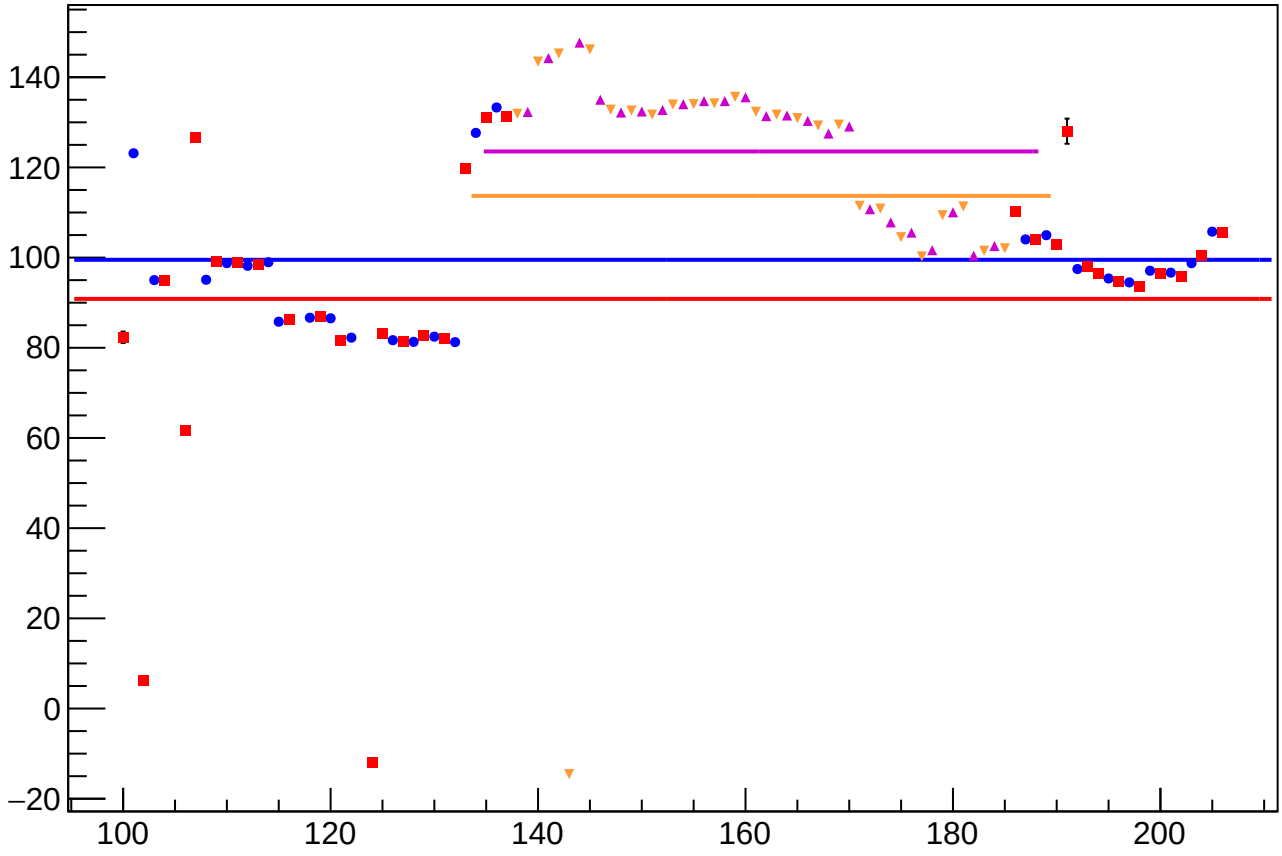
Left In: -79.777+/-0.874 χ^2/NDF:277.1/22

+ sign -67.650+/-0.653 χ^2/NDF: 1783.2/49

All: -67.967+/-0.464 χ^2/NDF: 3369.8/103

- sign -68.292+/-0.661 χ^2/NDF: 1586.1/53

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 99.513+/-0.056 χ^2/NDF: 69568.0/24

Left Out: 113.687+/-0.038 χ^2/NDF:963156.9/24

Right Out: 90.847+/-0.051 χ^2/NDF: 287688.3/30

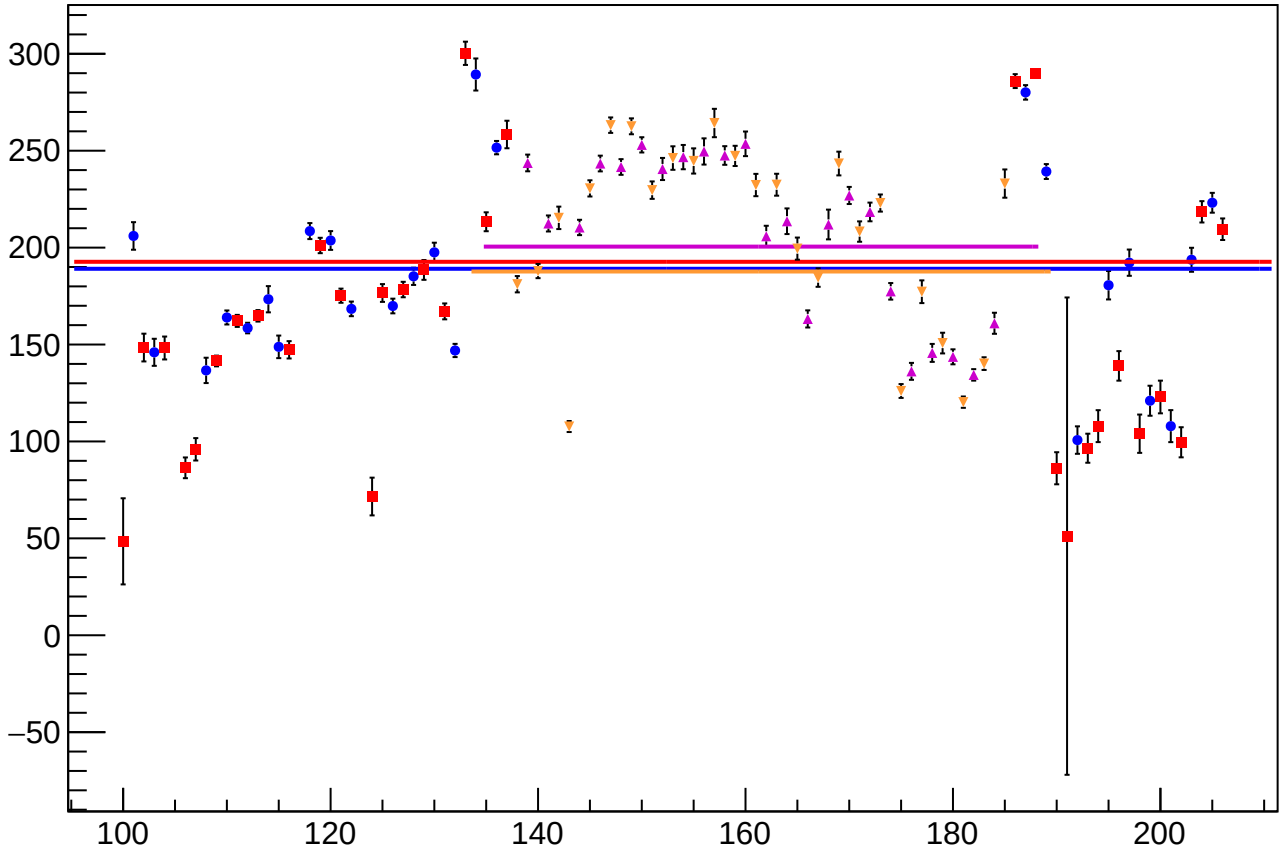
Left In: 123.538+/-0.040 χ^2/NDF:134613.3/22

+ sign 109.117+/-0.032 χ^2/NDF: 1076743.7/49

All: 110.165+/-0.022 χ^2/NDF: 1758375.8/103

- sign 111.192+/-0.031 χ^2/NDF: 679451.0/53

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 189.082+/-0.938 χ^2/NDF: 2189.2/24

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.685+/-0.827 χ^2/NDF: 6004.7/30

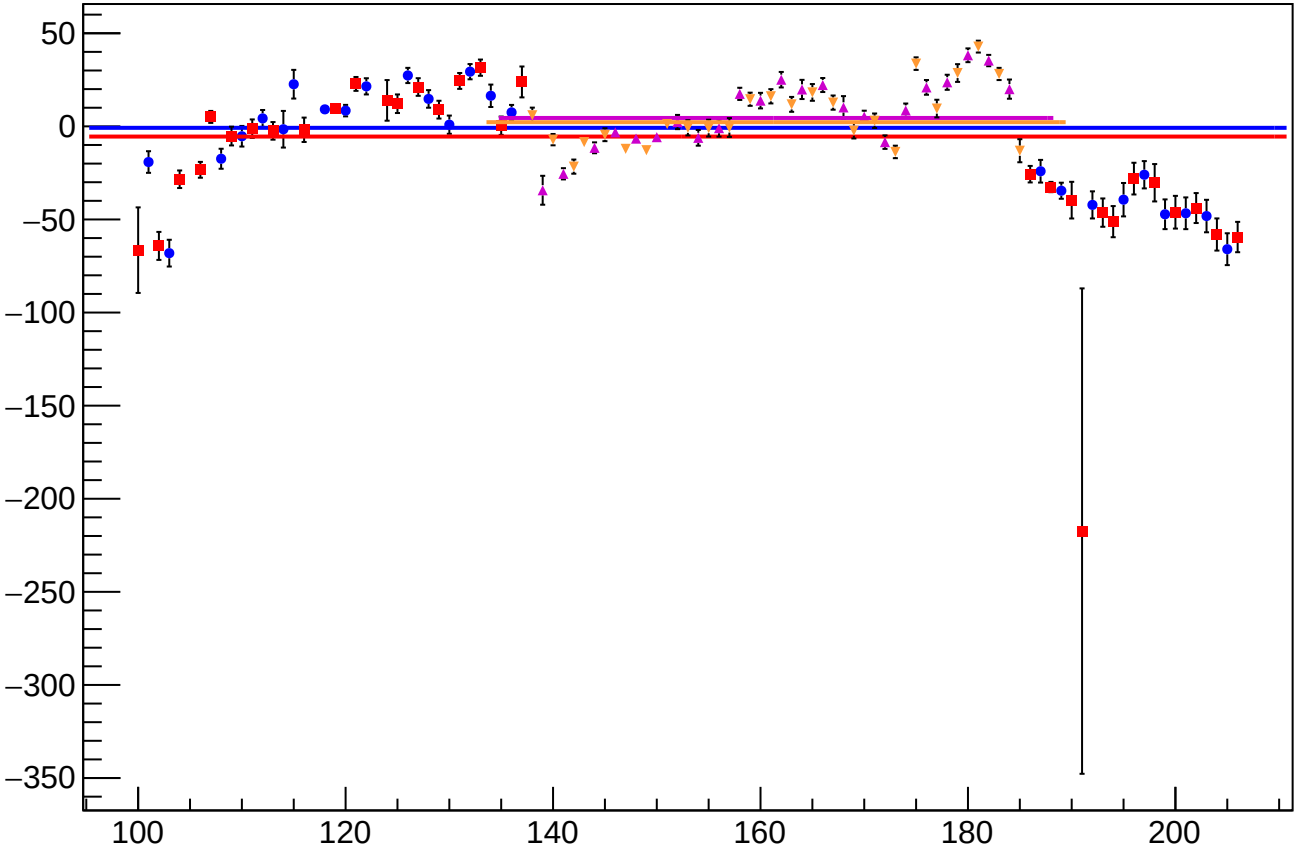
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.350+/-0.648 χ^2/NDF: 5718.6/49

All: 192.337+/-0.450 χ^2/NDF: 13946.2/103

- sign 196.041+/-0.625 χ^2/NDF: 8154.6/53

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -0.789+/-1.003 χ^2/NDF: 583.4/24

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -5.482+/-0.916 χ^2/NDF: 733.8/30

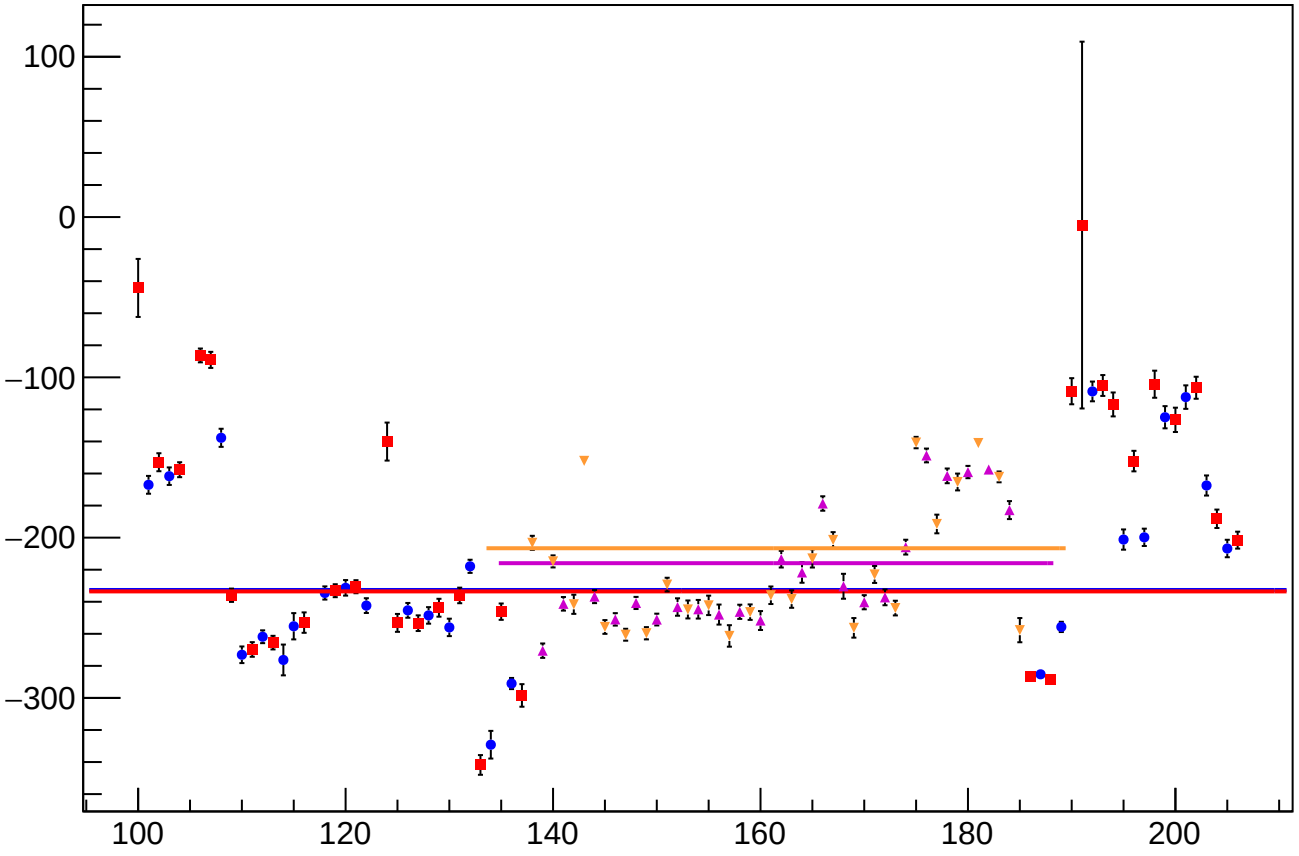
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 1.320+/-0.554 χ^2/NDF: 1190.6/49

All: 1.033+/-0.395 χ^2/NDF: 2546.1/103

- sign 0.735+/-0.563 χ^2/NDF: 1354.9/53

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -232.660+/-0.984 χ^2/NDF: 2644.1/24

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

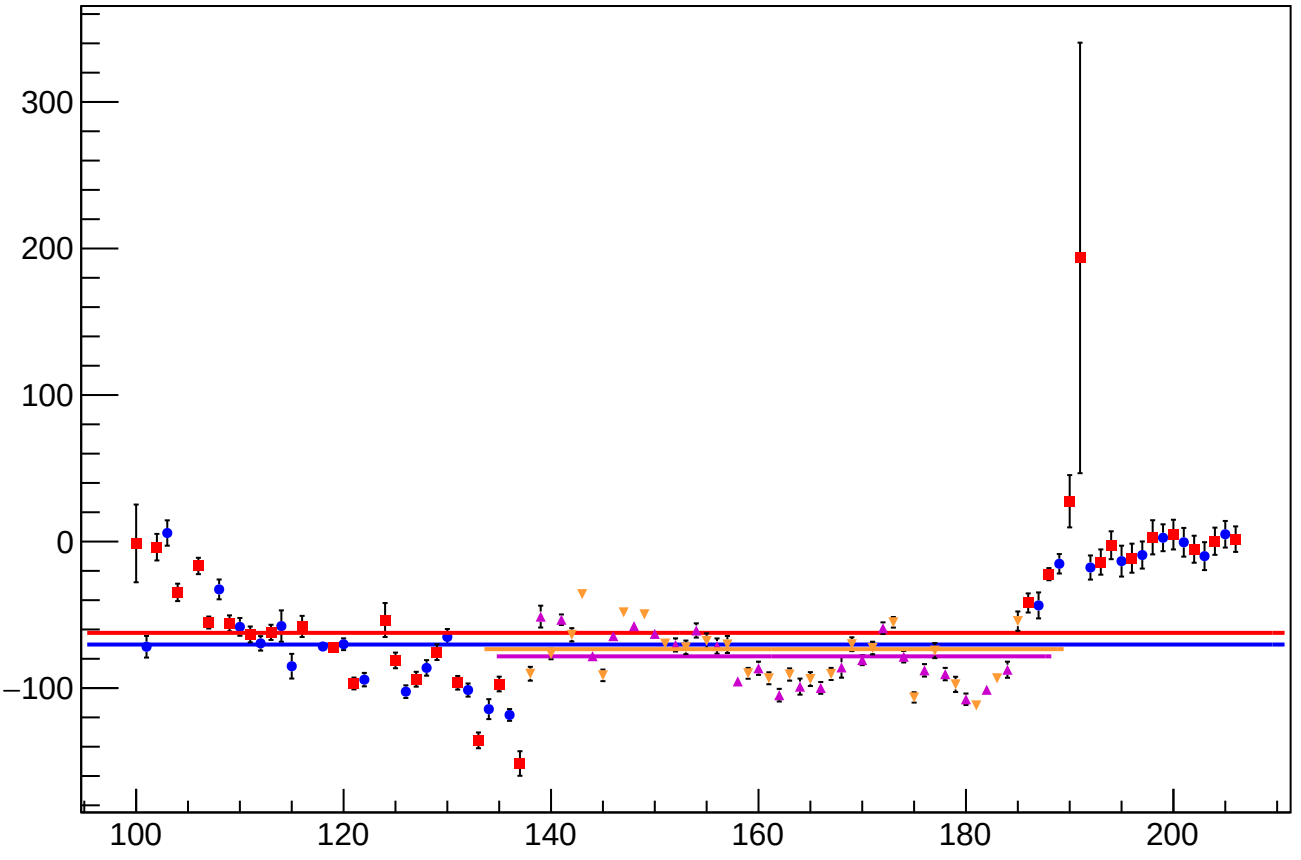
Right Out: -233.542+/-0.833 χ^2/NDF: 6659.3/30

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.400+/-0.662 χ^2/NDF: 5495.2/49

All: -222.340+/-0.455 χ^2/NDF: 14128.4/103

- sign -225.854+/-0.625 χ^2/NDF: 8566.3/53



Right In: -70.270+/-1.178 χ^2/NDF: 856.0/24

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

Right Out: -62.305+/-1.095 χ^2/NDF: 1122.0/30

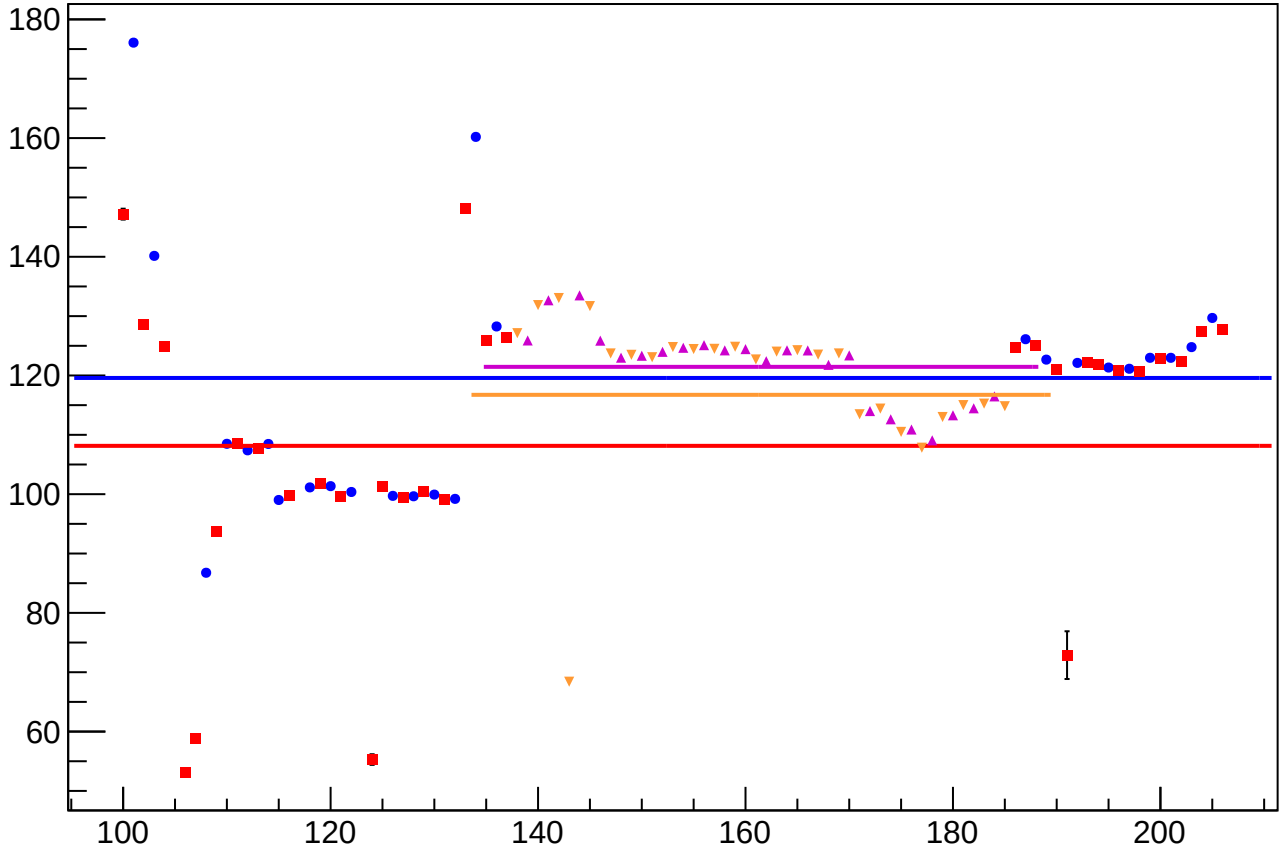
Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -72.487+/-0.643 χ^2/NDF: 1697.6/49

All: -72.541+/-0.459 χ^2/NDF: 3400.3/103

- sign -72.596+/-0.655 χ^2/NDF: 1702.8/53

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 119.583+/-0.063 χ^2/NDF: 97468.2/24

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

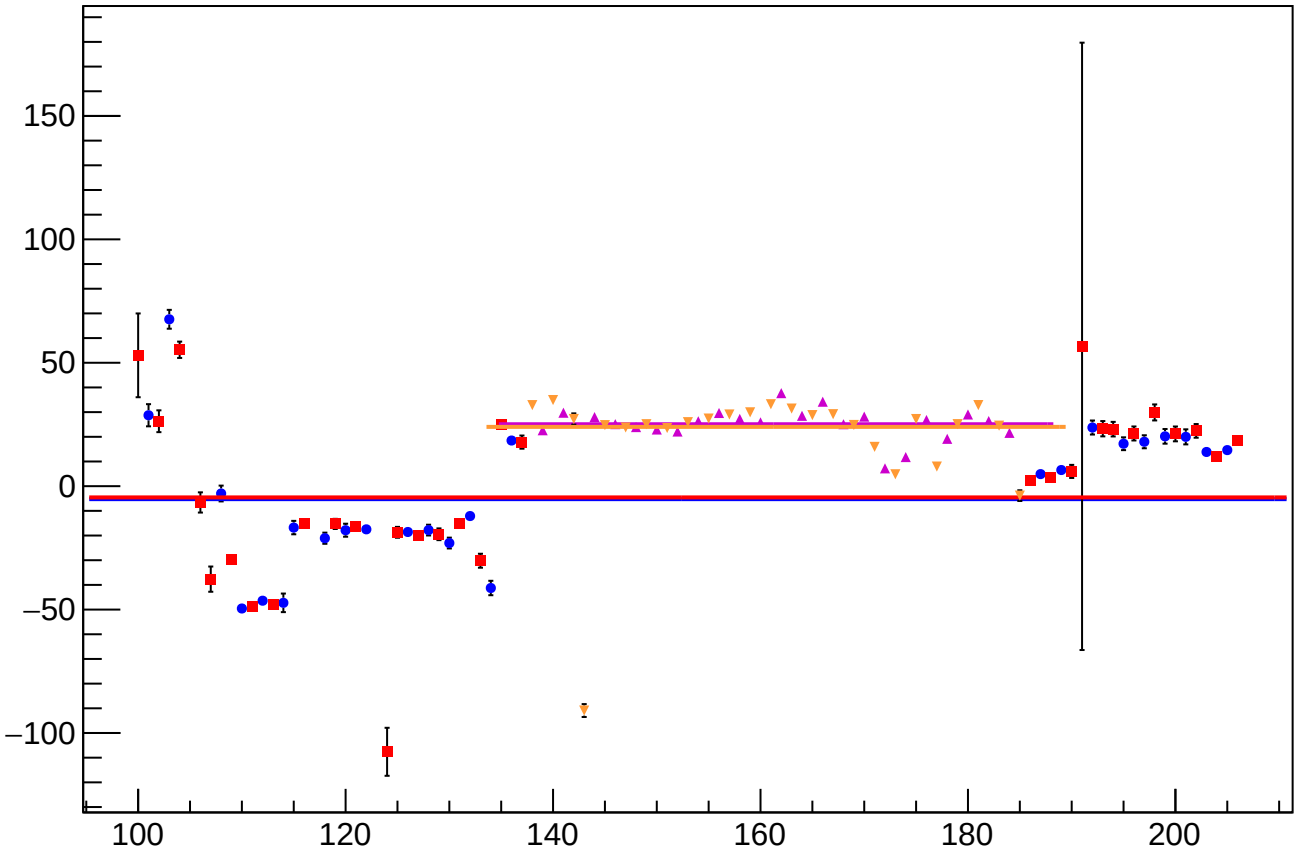
Right Out: 108.143+/-0.056 χ^2/NDF: 207794.2/30

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.435+/-0.031 χ^2/NDF: 302657.6/49

All: 117.411+/-0.022 χ^2/NDF: 578225.5/103

- sign 117.388+/-0.031 χ^2/NDF: 275566.8/53



Right In: -5.254+/-0.434 χ^2/NDF: 3203.3/24

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -4.552+/-0.387 χ^2/NDF: 3712.6/30

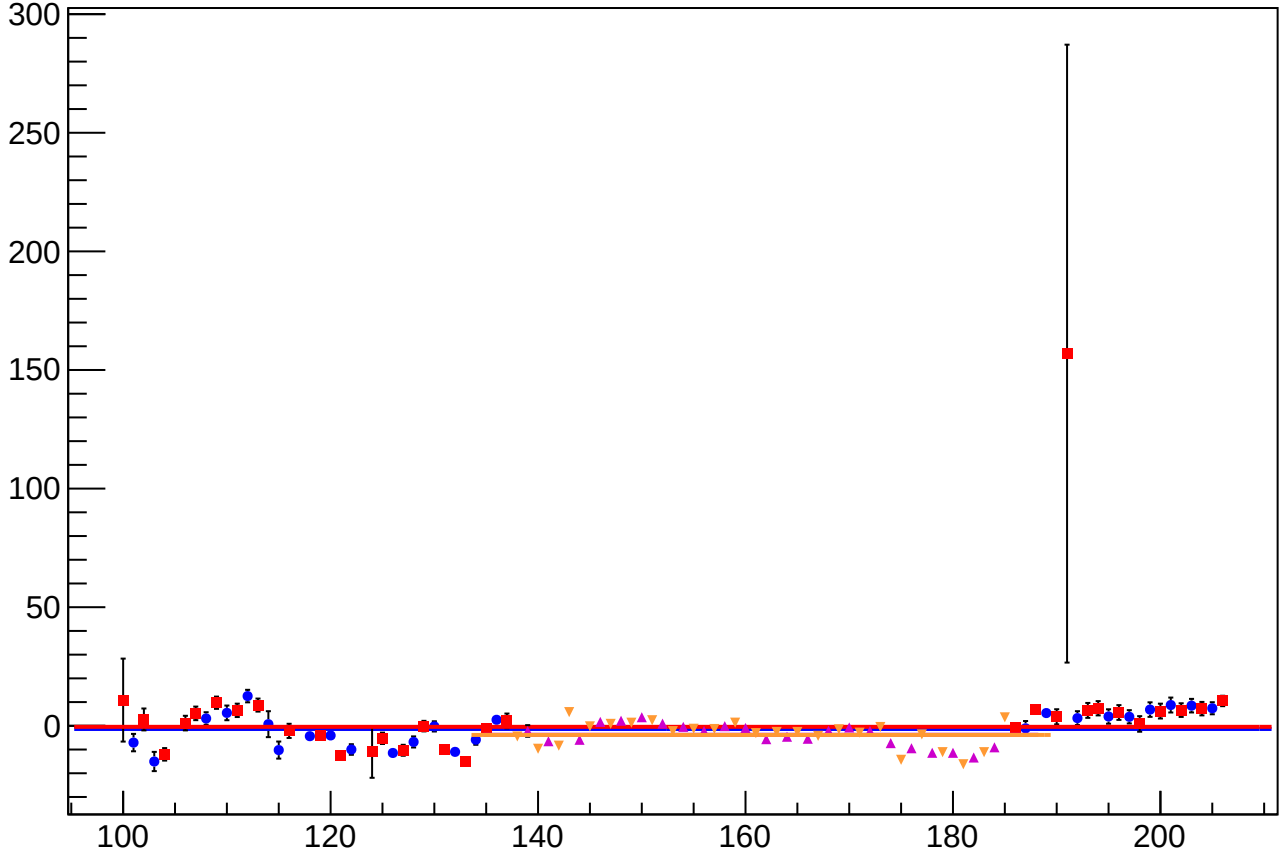
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.339+/-0.237 χ^2/NDF: 9203.1/49

All: 14.944+/-0.165 χ^2/NDF: 17196.8/103

- sign 14.568+/-0.231 χ^2/NDF: 7988.2/53

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -1.329+/-0.474 χ^2/NDF: 201.8/24

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

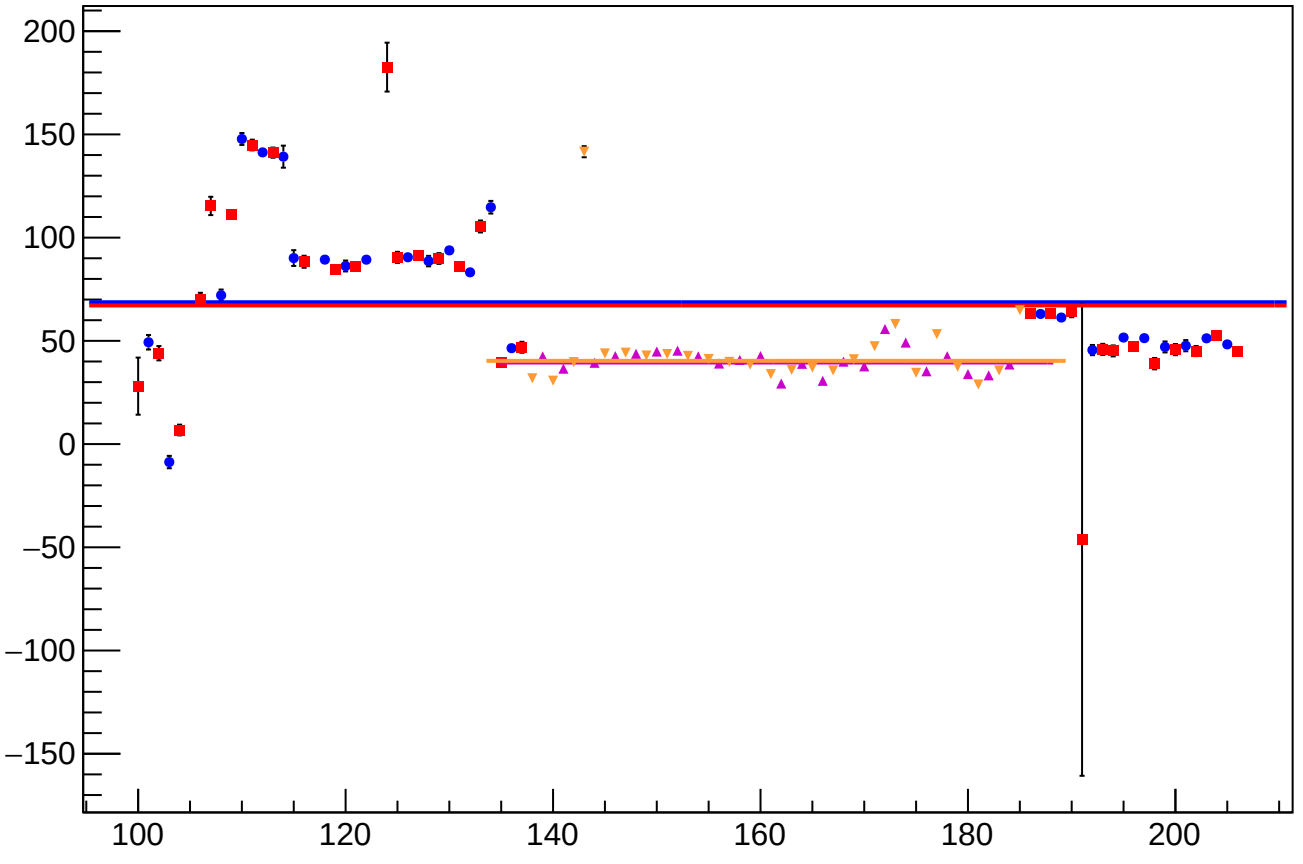
Right Out: -0.430+/-0.444 χ^2/NDF: 282.4/30

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.407+/-0.198 χ^2/NDF: 874.5/49

All: -3.256+/-0.141 χ^2/NDF: 1713.2/103

- sign -3.103+/-0.200 χ^2/NDF: 837.6/53



Right In: 68.696+/-0.448 χ^2/NDF: 4258.1/24

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

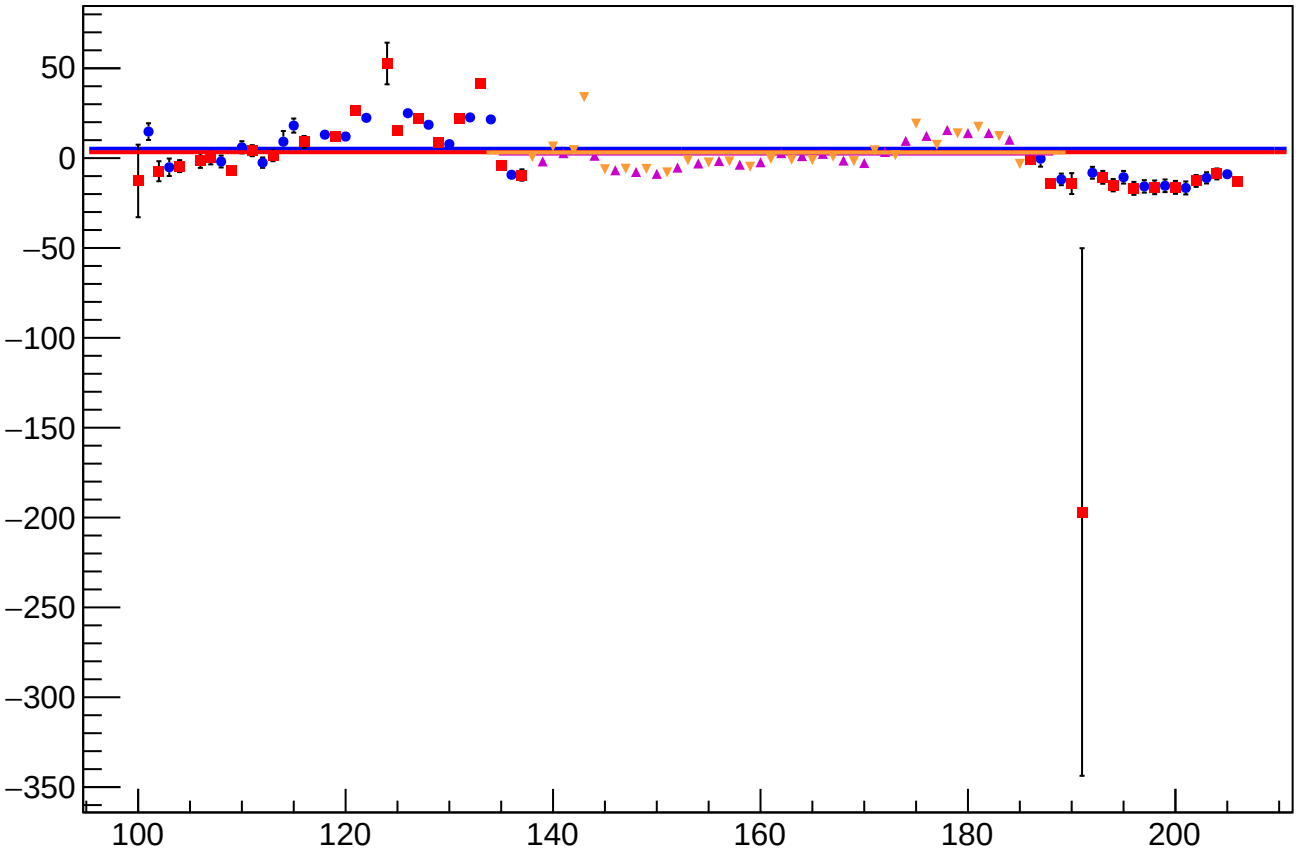
Right Out: 67.150+/-0.383 χ^2/NDF: 4748.8/30

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.290+/-0.238 χ^2/NDF: 9324.6/49

All: 48.830+/-0.165 χ^2/NDF: 17866.5/103

\- sign 49.330+/-0.229 χ^2/NDF: 8531.9/53



Right In: 5.223+/-0.547 χ^2/NDF: 655.1/24

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

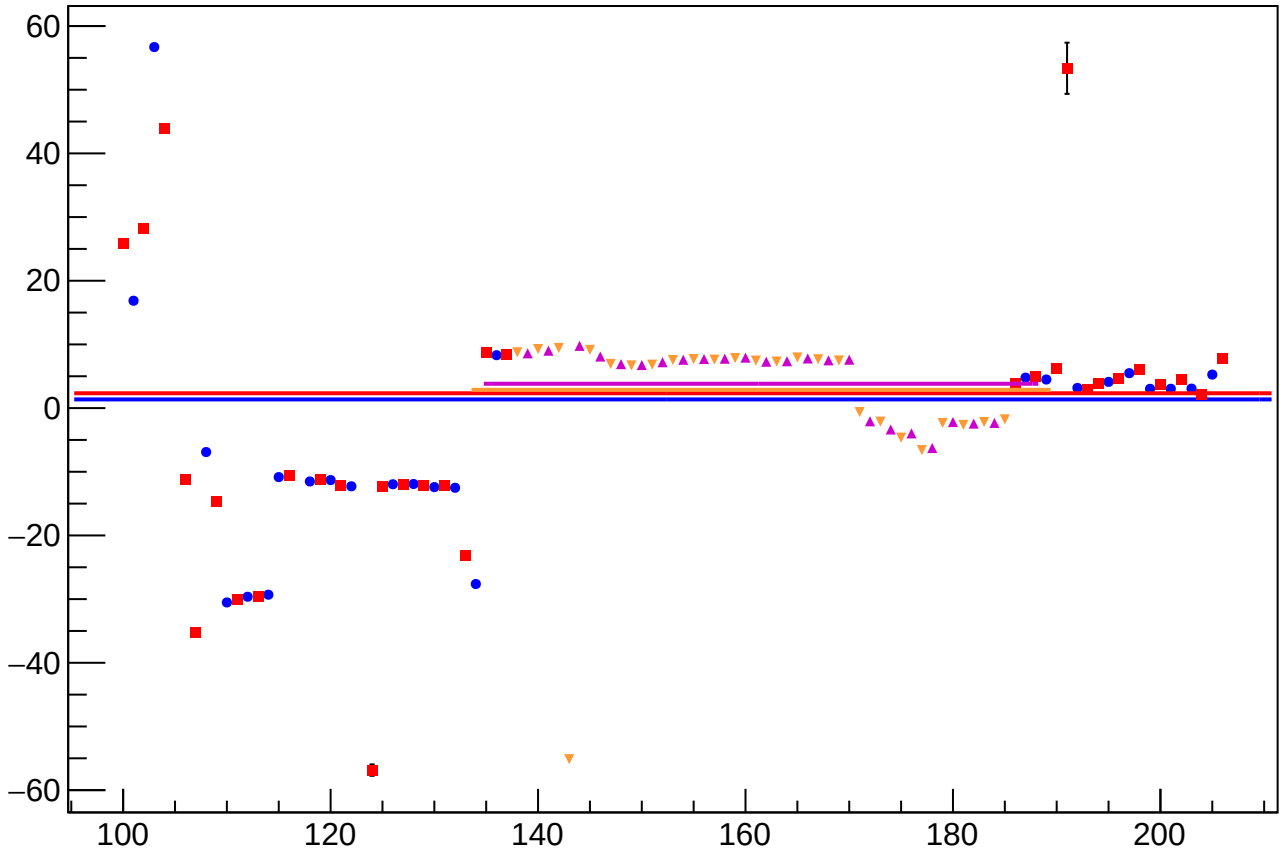
Right Out: 3.302+/-0.525 χ^2/NDF: 892.1/30

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.491+/-0.224 χ^2/NDF: 1934.2/49

All: 3.082+/-0.159 χ^2/NDF: 3803.0/103

- sign 2.665+/-0.226 χ^2/NDF: 1862.1/53



Right In: 1.363+/-0.026 χ^2/NDF: 376116.0/24

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

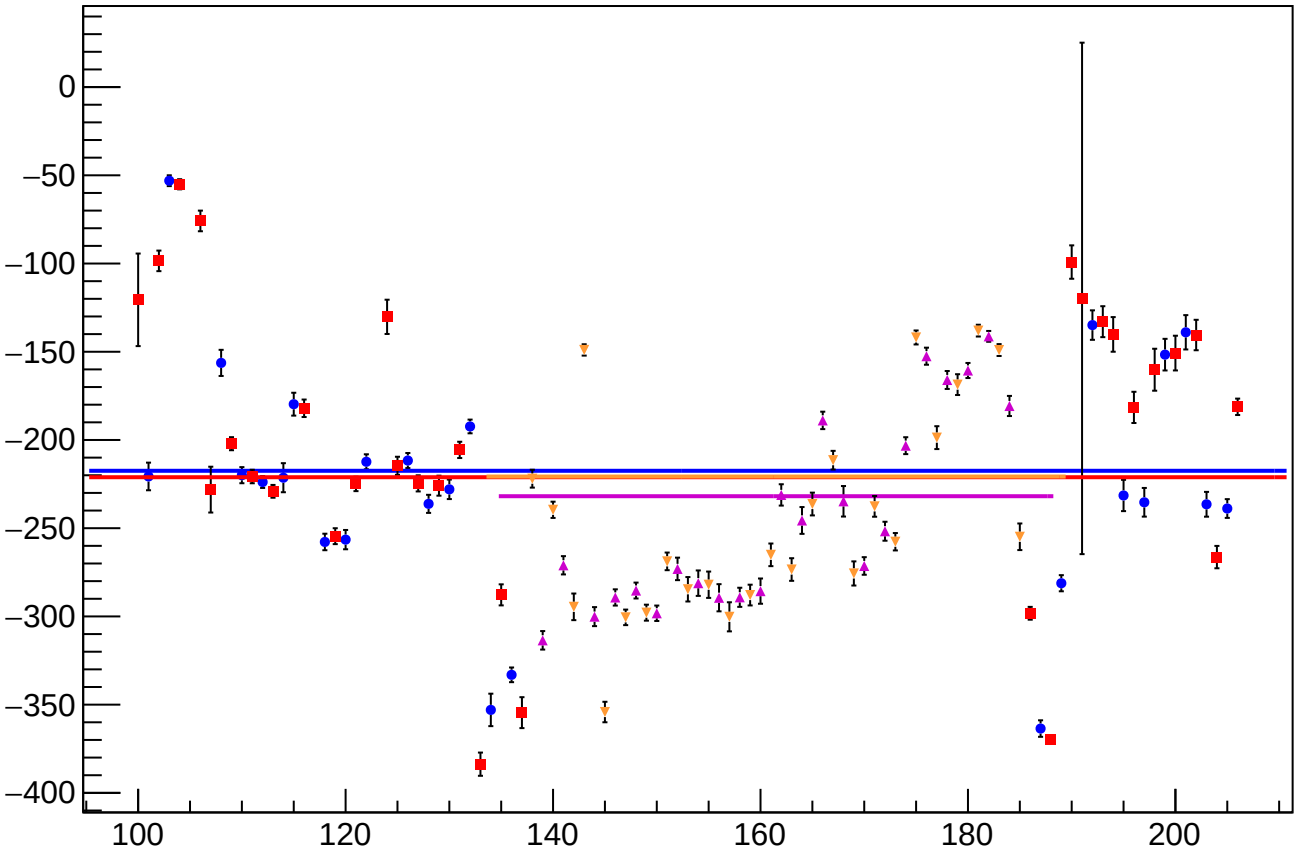
Right Out: 2.330+/-0.025 χ^2/NDF: 330192.9/30

Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.648+/-0.010 χ^2/NDF: 891221.9/49

All: 3.114+/-0.007 χ^2/NDF: 1461832.9/103

- sign 3.580+/-0.010 χ^2/NDF: 566392.1/53



Right In: -217.461+/-1.039 χ^2/NDF: 5571.4/24

Left Out: -220.723+/-1.018 χ^2/NDF:4052.2/24

Right Out: -221.108+/-0.921 χ^2/NDF: 10257.3/30

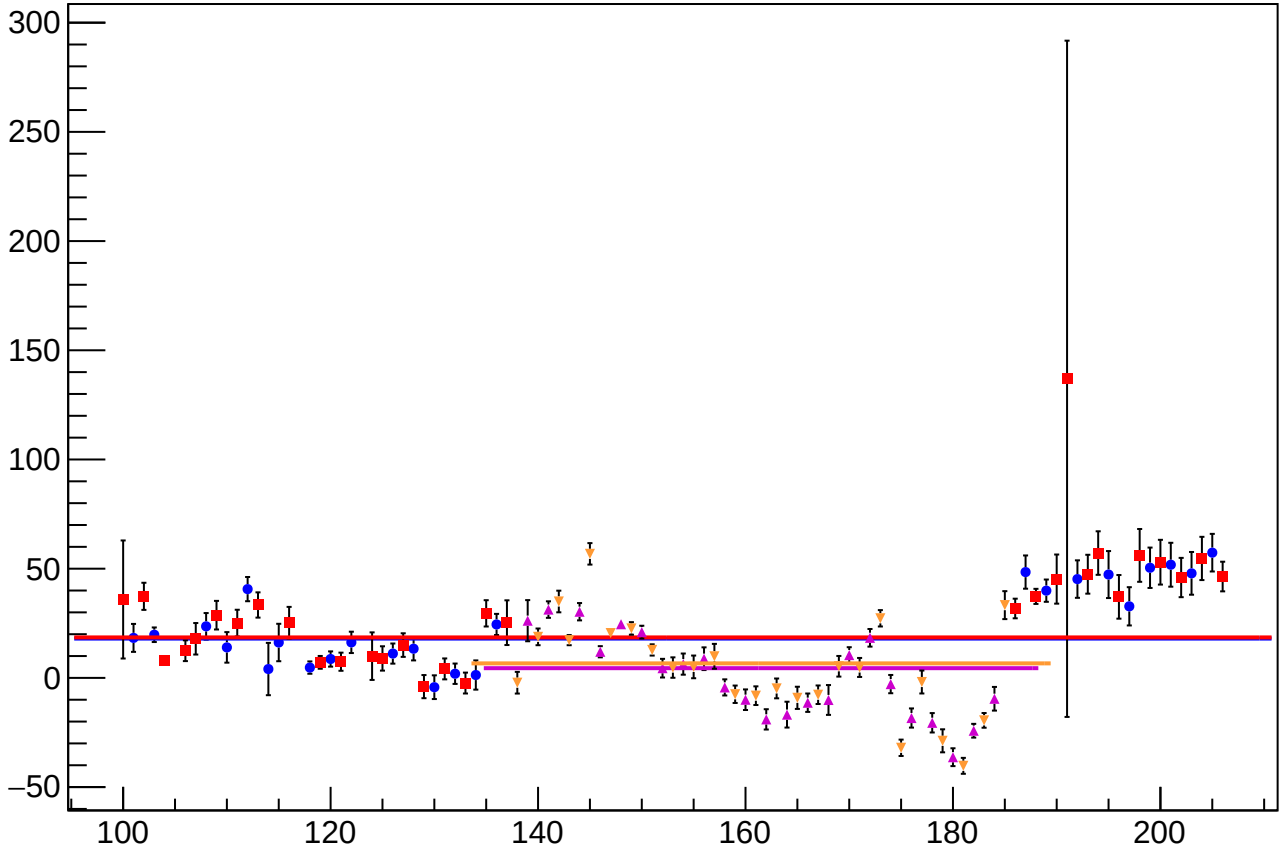
Left In: -231.871+/-1.077 χ^2/NDF:3160.3/22

\+ sign -219.124+/-0.727 χ^2/NDF: 9628.6/49

All: -222.514+/-0.504 χ^2/NDF: 23145.8/103

\- sign -225.654+/-0.700 χ^2/NDF: 13475.3/53

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 18.003+/-1.099 χ^2/NDF: 197.3/24

Left Out: 6.643+/-0.752 χ^2/NDF:735.0/24

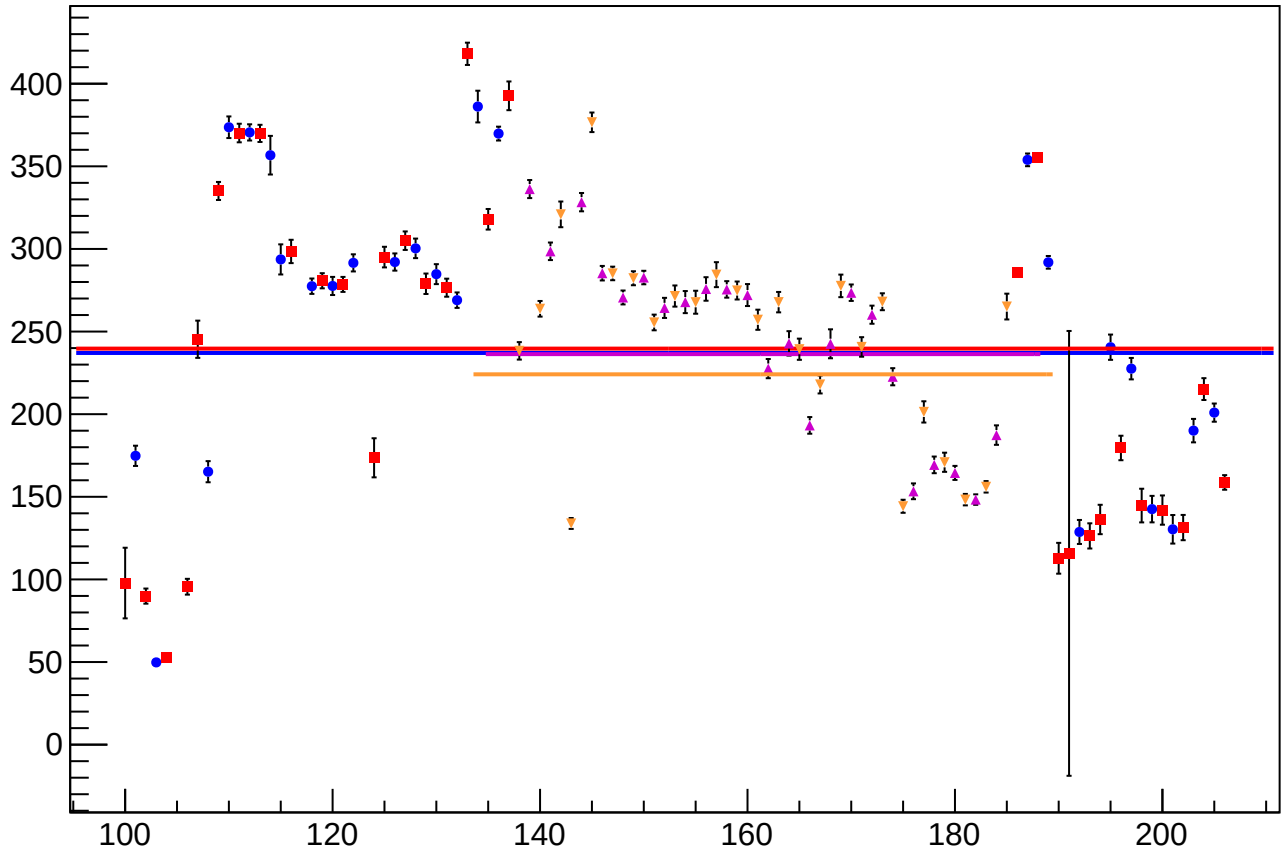
Right Out: 18.528+/-0.986 χ^2/NDF: 254.1/30

Left In: 4.447+/-0.807 χ^2/NDF:567.1/22

+ sign 10.268+/-0.621 χ^2/NDF: 1005.1/49

All: 10.184+/-0.440 χ^2/NDF: 1948.4/103

- sign 10.099+/-0.624 χ^2/NDF: 943.3/53



Right In: 237.045+/-1.050 χ^2/NDF: 11136.2/24

Left Out: 224.123+/-1.014 χ^2/NDF:3966.6/24

Right Out: 239.679+/-0.898 χ^2/NDF: 16967.6/30

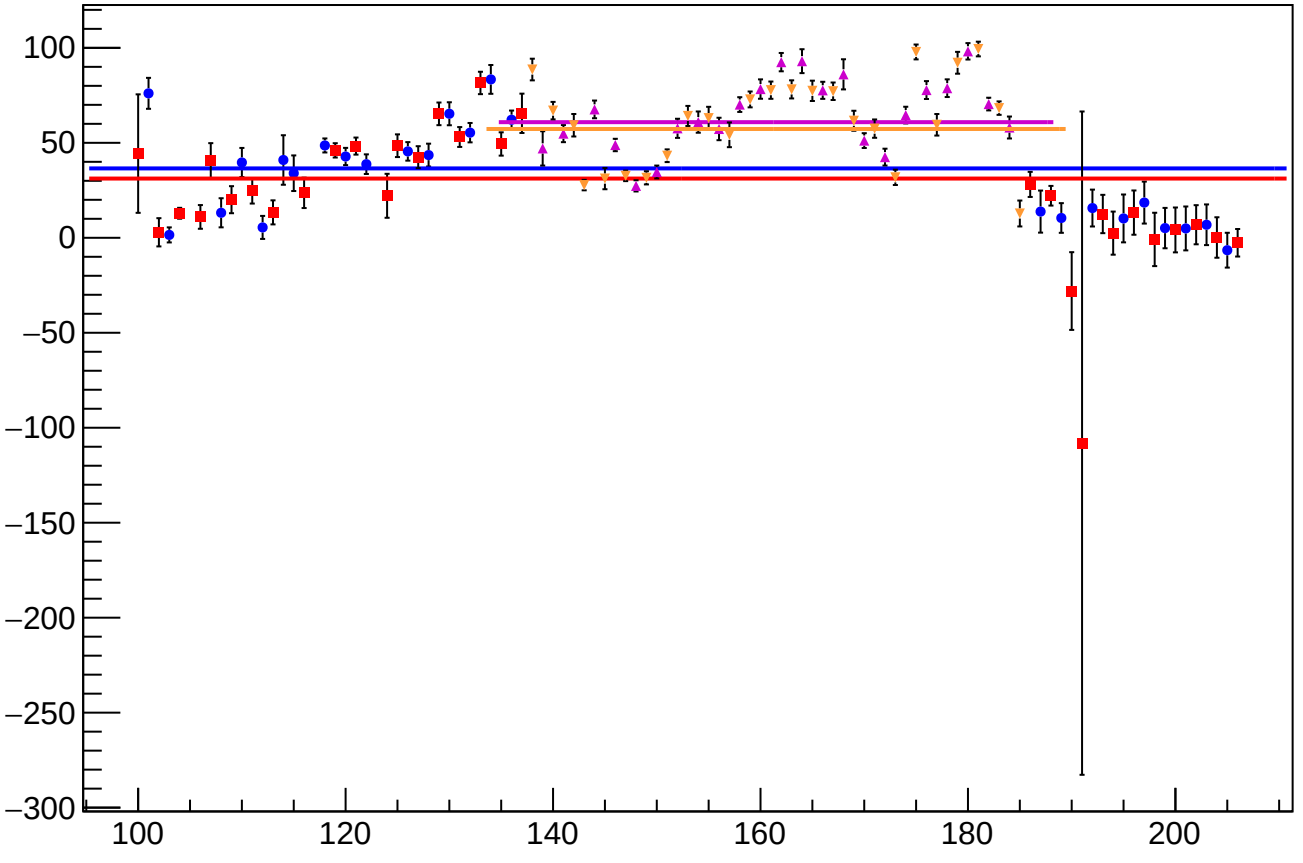
Left In: 236.342+/-1.066 χ^2/NDF:2992.9/22

+ sign 230.357+/-0.729 χ^2/NDF: 15181.3/49

All: 234.563+/-0.500 χ^2/NDF: 35210.4/103

- sign 238.295+/-0.687 χ^2/NDF: 19966.3/53

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 36.528+/-1.292 χ^2/NDF: 330.3/24

Left Out: 57.288+/-0.868 χ^2/NDF:767.9/24

Right Out: 31.190+/-1.184 χ^2/NDF: 335.7/30

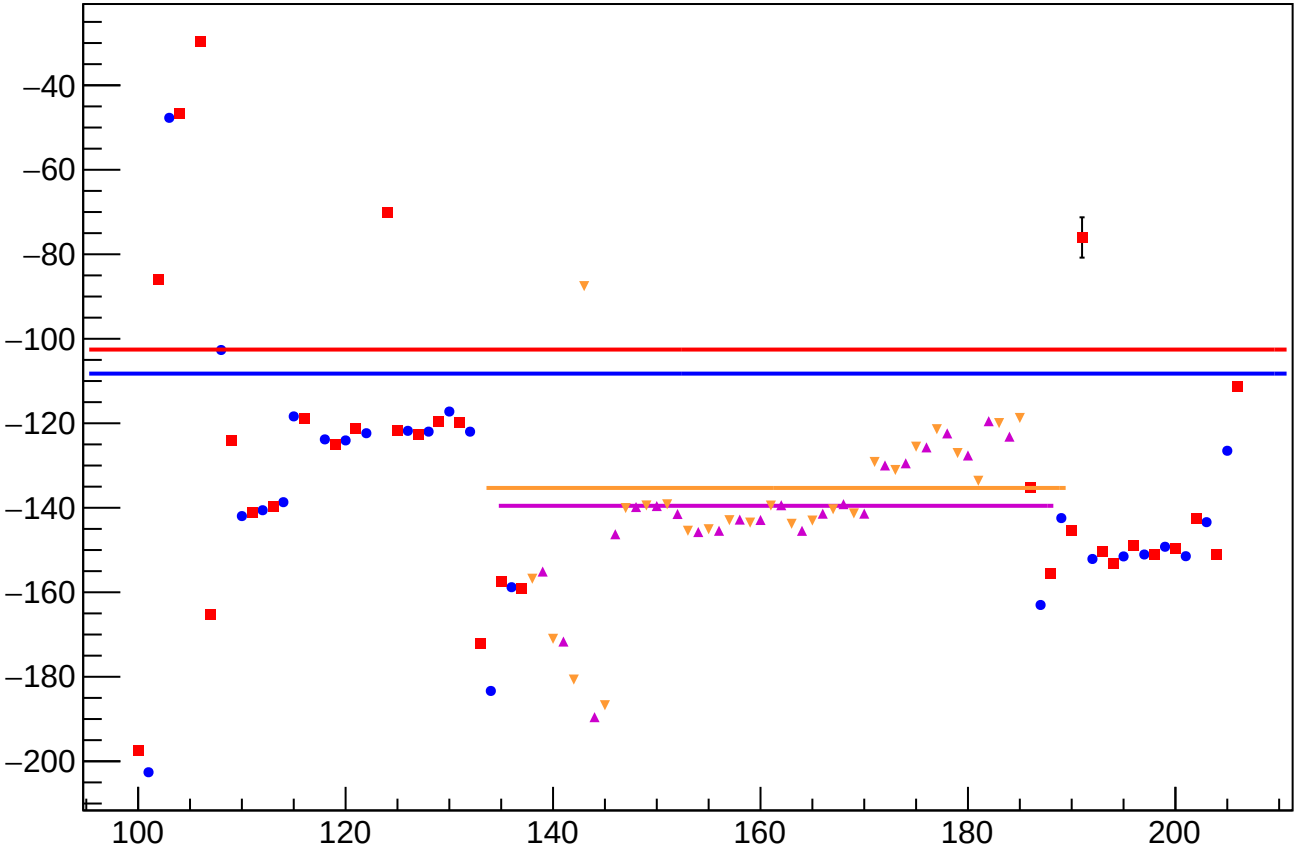
Left In: 60.877+/-0.923 χ^2/NDF:454.7/22

+ sign 50.835+/-0.721 χ^2/NDF: 1276.0/49

All: 50.253+/-0.512 χ^2/NDF: 2459.0/103

- sign 49.658+/-0.728 χ^2/NDF: 1181.7/53

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -108.245+/-0.060 χ^2/NDF: 662201.2/24

Left Out: -135.305+/-0.041 χ^2/NDF:262874.5/24

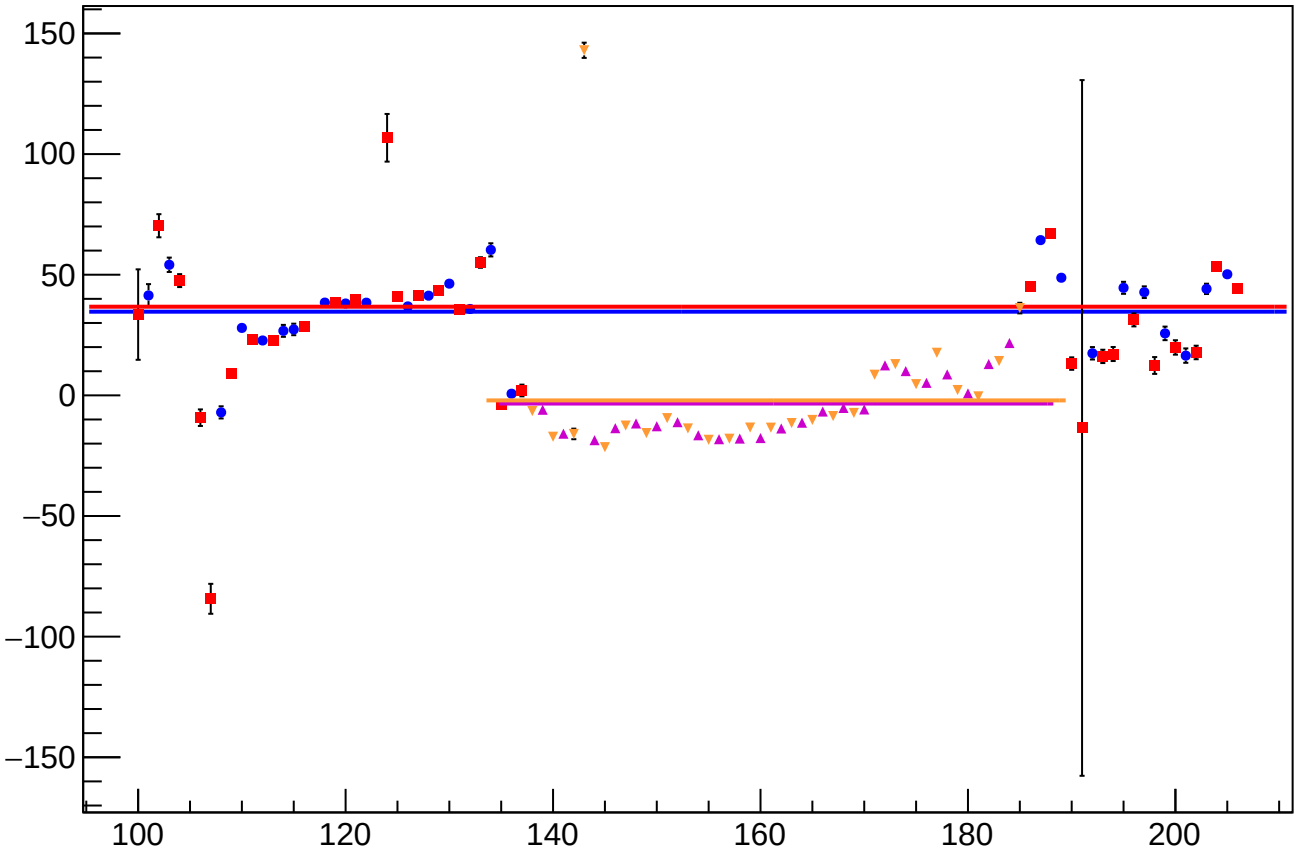
Right Out: -102.553+/-0.056 χ^2/NDF: 719498.2/30

Left In: -139.533+/-0.042 χ^2/NDF:114482.7/22

+ sign -126.881+/-0.034 χ^2/NDF: 1063536.3/49

All: -126.592+/-0.024 χ^2/NDF: 2173589.0/10

- sign -126.302+/-0.034 χ^2/NDF: 1109905.3/53



Right In: 34.682+/-0.354 χ^2/NDF: 2374.4/24

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

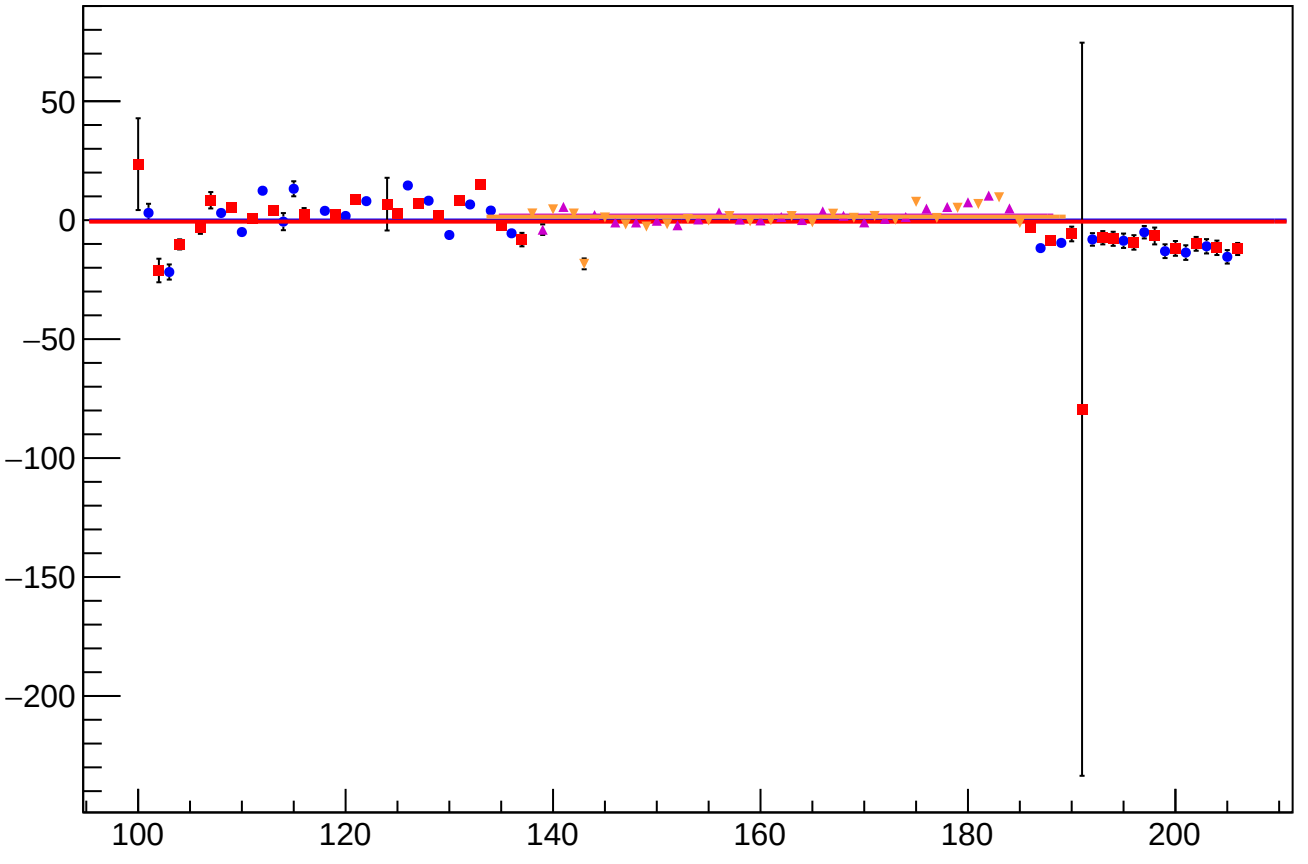
Right Out: 36.740+/-0.307 χ^2/NDF: 4710.6/30

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

\+ sign 11.238+/-0.213 χ^2/NDF: 13463.2/49

All: 12.778+/-0.147 χ^2/NDF: 29609.0/103

\- sign 14.183+/-0.203 χ^2/NDF: 16045.8/53



Right In: -0.141+/-0.388 χ^2/NDF: 468.5/24

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

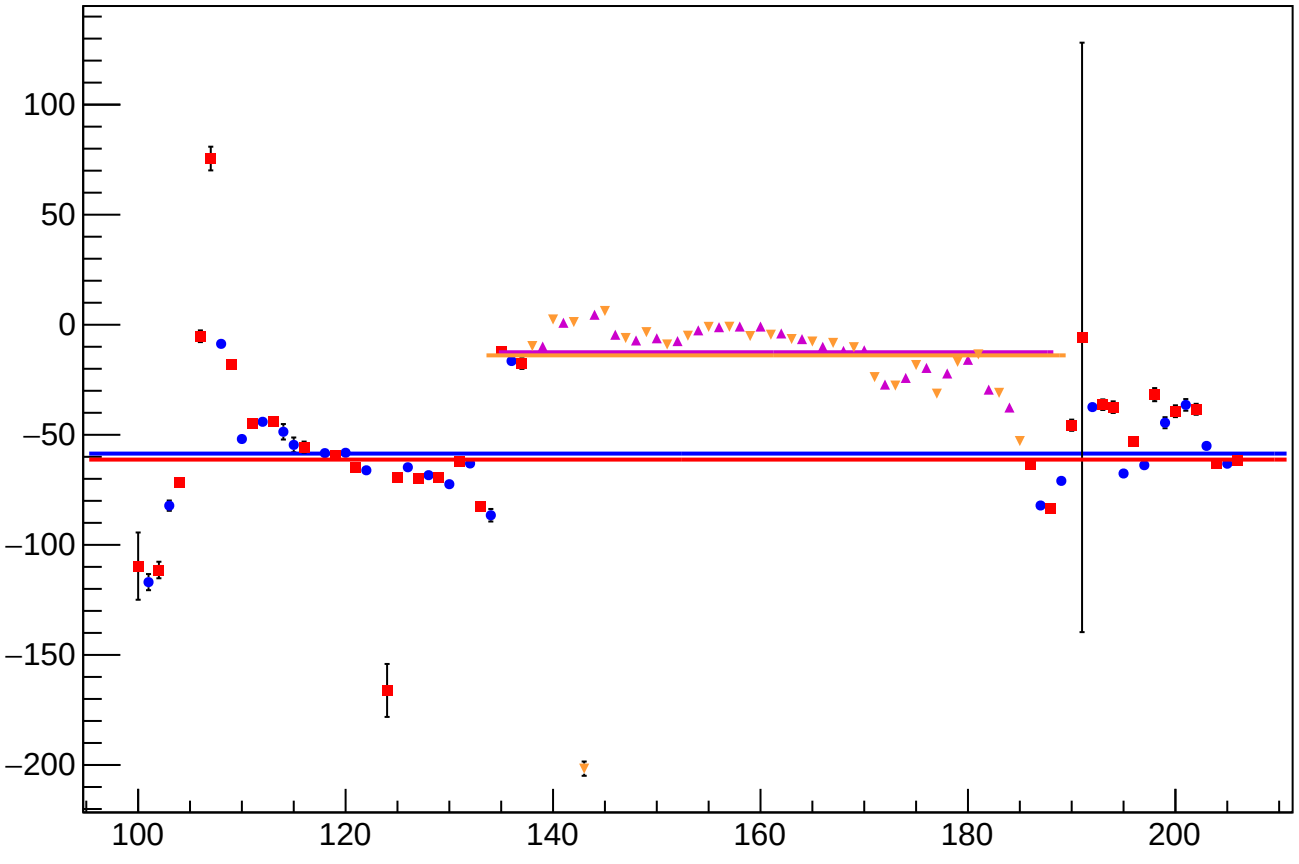
Right Out: -0.616+/-0.358 χ^2/NDF: 409.4/30

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.134+/-0.181 χ^2/NDF: 810.9/49

All: 1.206+/-0.128 χ^2/NDF: 1498.9/103

- sign 1.279+/-0.181 χ^2/NDF: 687.8/53



Right In: -58.535+/-0.368 χ^2/NDF: 3333.7/24

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.262+/-0.303 χ^2/NDF: 5464.0/30

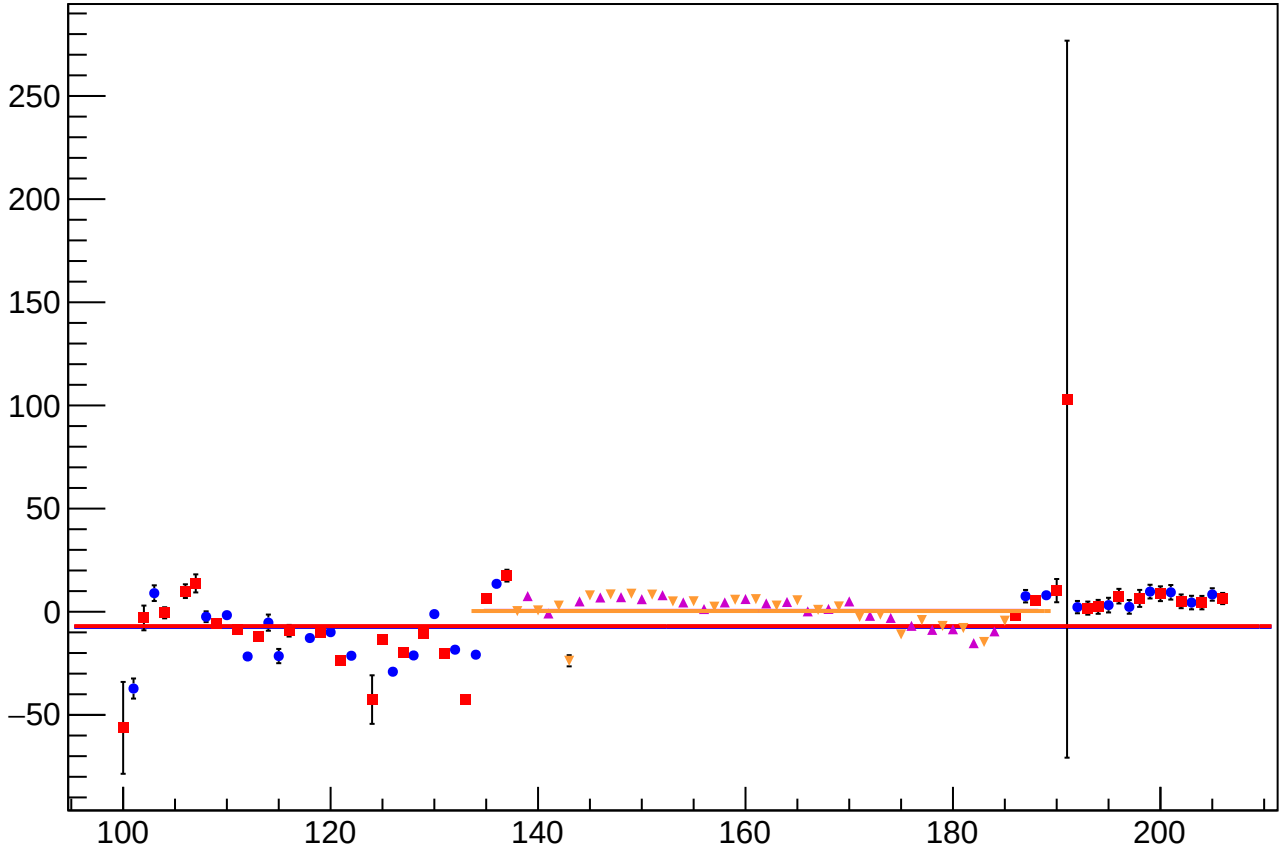
Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -29.138+/-0.215 χ^2/NDF: 18161.9/49

All: -31.724+/-0.147 χ^2/NDF: 39845.0/103

- sign -33.986+/-0.201 χ^2/NDF: 21411.5/53

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -7.360+/-0.453 χ^2/NDF: 894.2/24

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

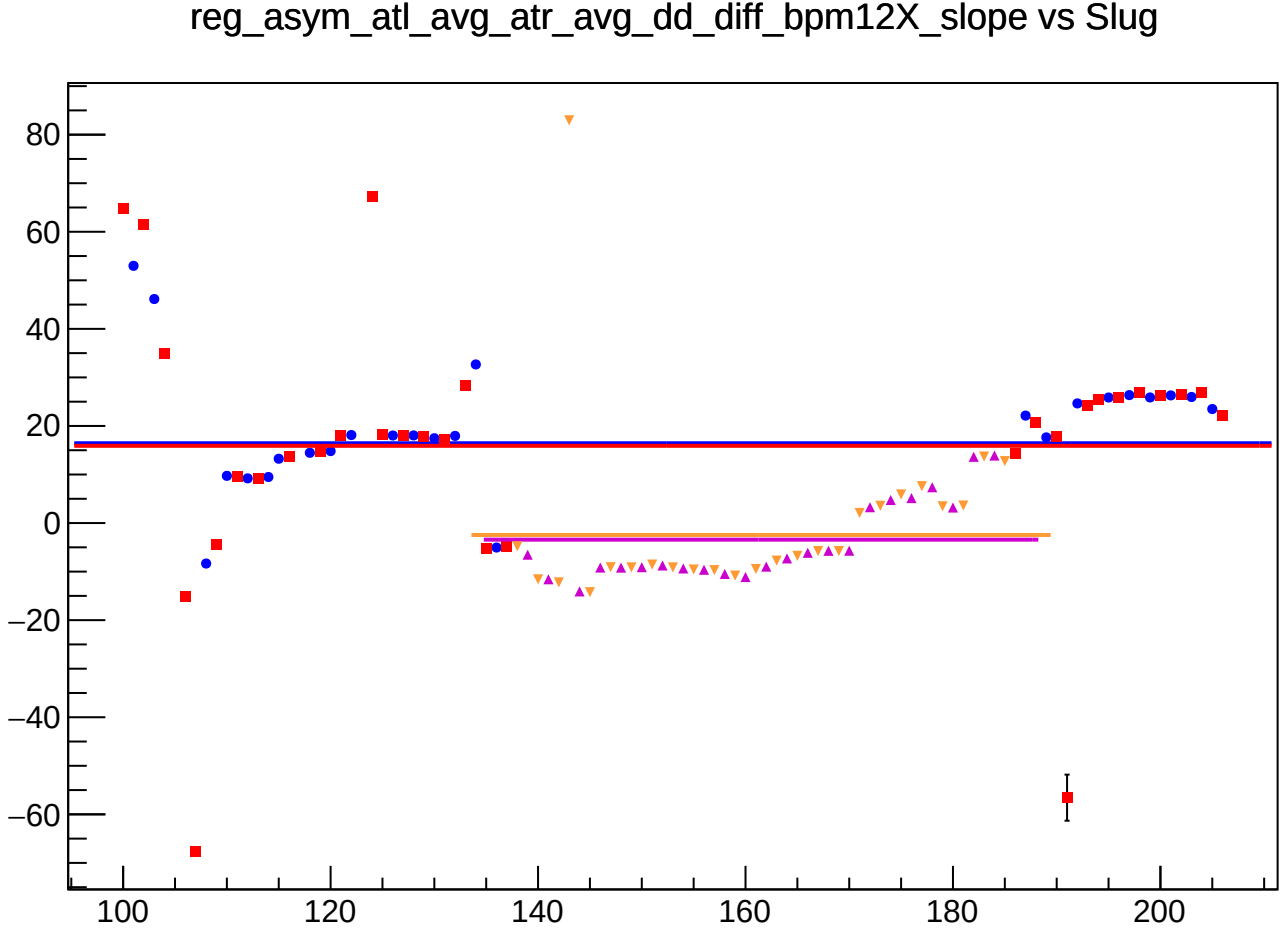
Right Out: -6.959+/-0.431 χ^2/NDF: 939.1/30

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

\+ sign -1.246+/-0.206 χ^2/NDF: 2045.2/49

All: -1.262+/-0.146 χ^2/NDF: 3992.3/103

\- sign -1.279+/-0.207 χ^2/NDF: 1947.1/53



Right In: 16.435+/-0.023 χ^2/NDF: 430690.4/24

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

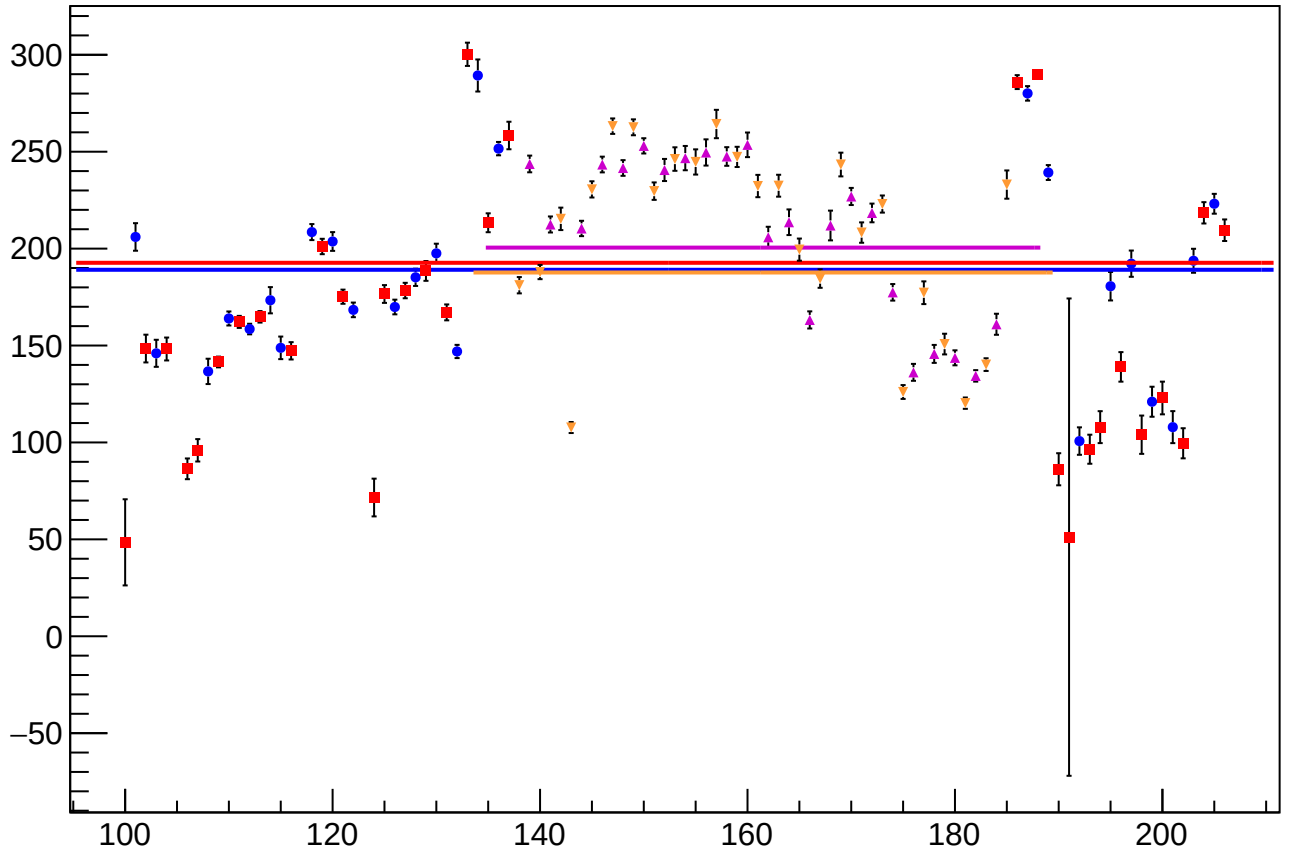
Right Out: 15.912+/-0.022 χ^2/NDF: 557354.1/30

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.653+/-0.009 χ^2/NDF: 1939621.8/49

All: 0.337+/-0.007 χ^2/NDF: 3655994.8/103

- sign 0.022+/-0.009 χ^2/NDF: 1714151.1/53



Right In: 189.082+/-0.938 χ^2/NDF: 2189.2/24

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

Right Out: 192.685+/-0.827 χ^2/NDF: 6004.7/30

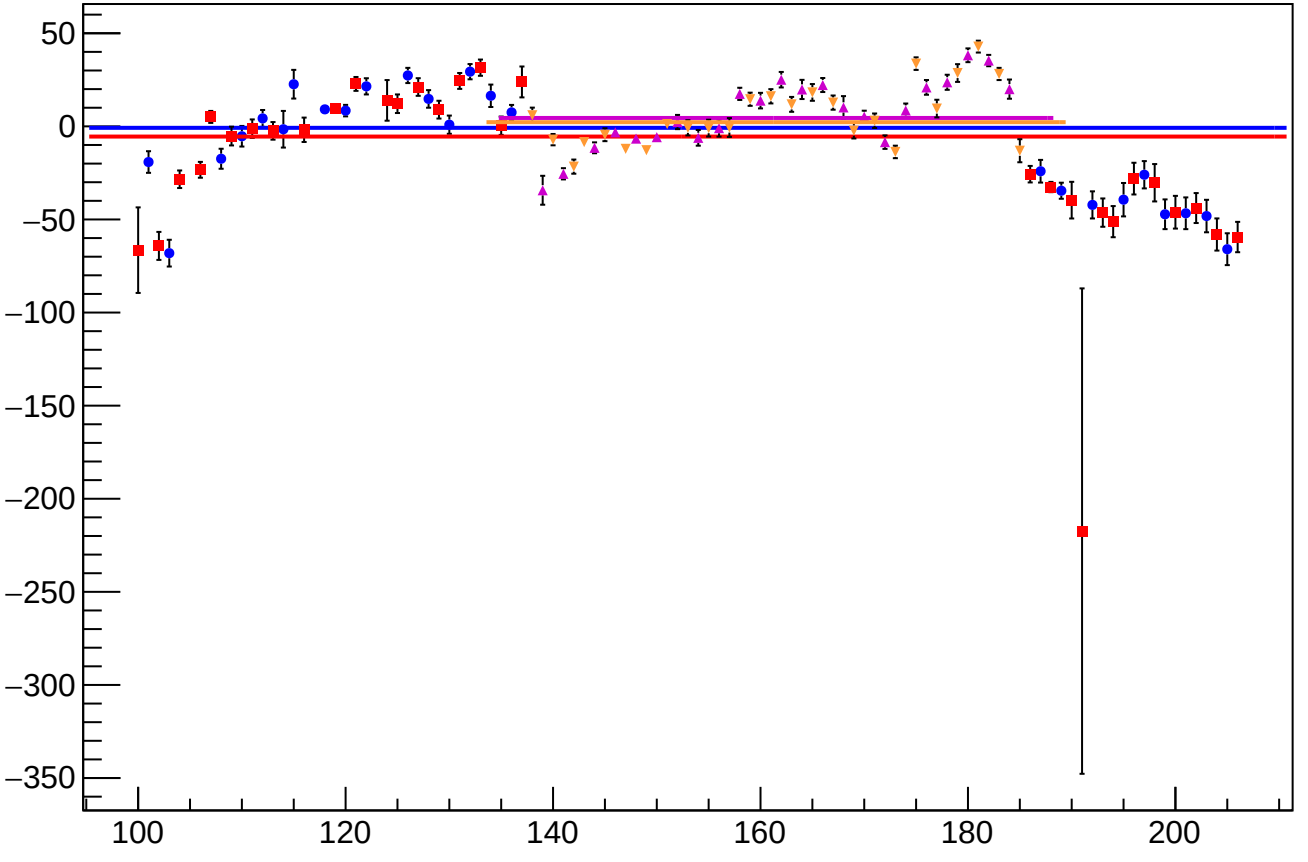
Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.350+/-0.648 χ^2/NDF: 5718.6/49

All: 192.337+/-0.450 χ^2/NDF: 13946.2/103

- sign 196.041+/-0.625 χ^2/NDF: 8154.6/53

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -0.789+/-1.003 χ^2/NDF: 583.4/24

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

Right Out: -5.482+/-0.916 χ^2/NDF: 733.8/30

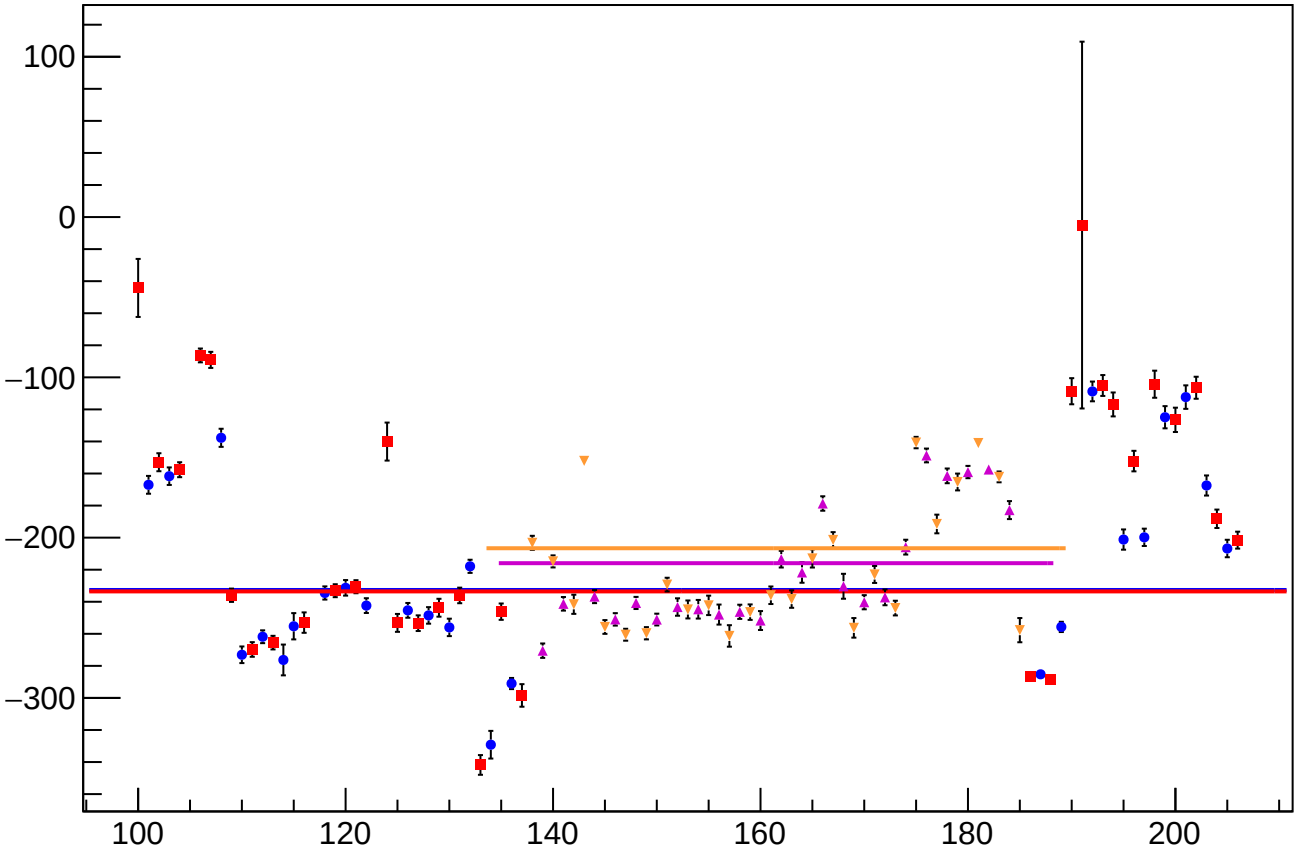
Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 1.320+/-0.554 χ^2/NDF: 1190.6/49

All: 1.033+/-0.395 χ^2/NDF: 2546.1/103

- sign 0.735+/-0.563 χ^2/NDF: 1354.9/53

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -232.660+/-0.984 χ^2/NDF: 2644.1/24

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

Right Out: -233.542+/-0.833 χ^2/NDF: 6659.3/30

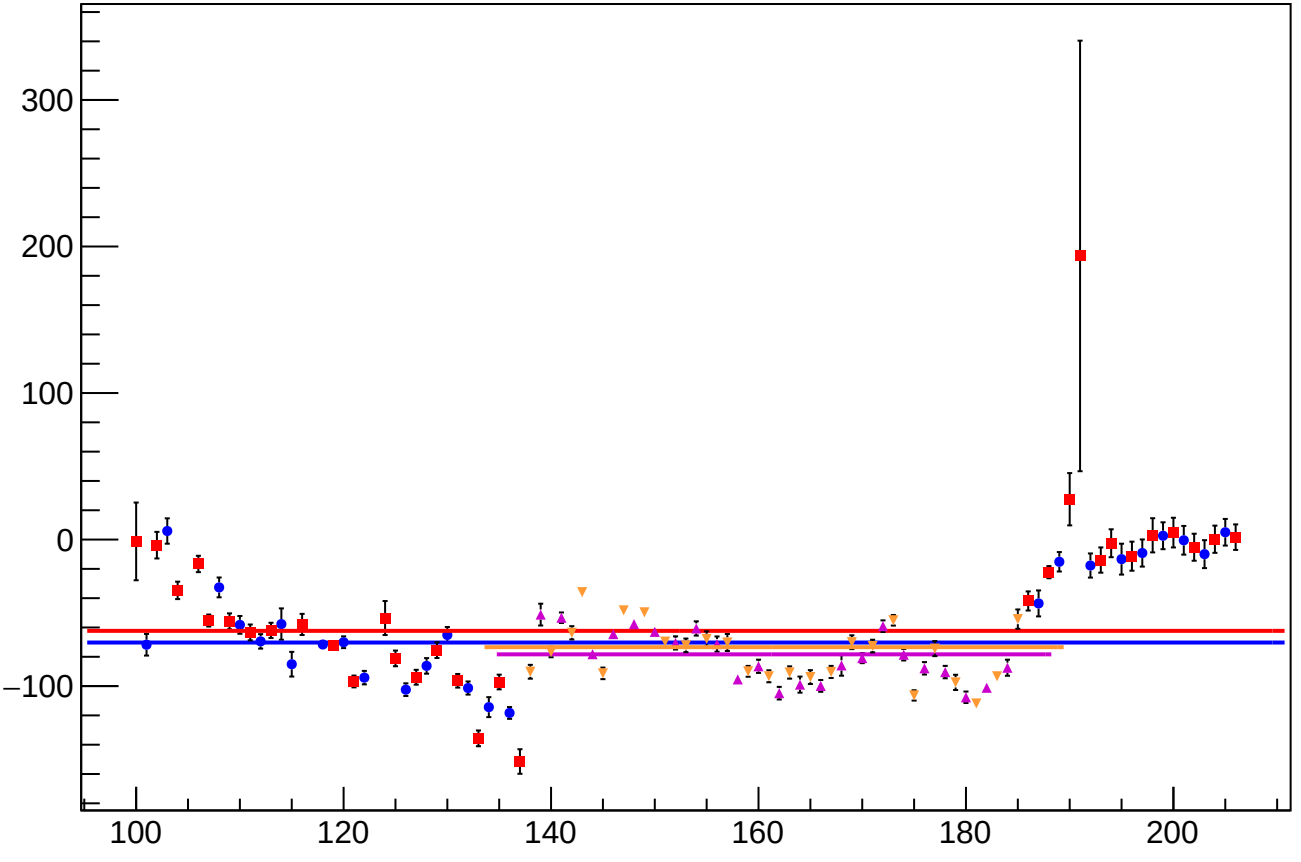
Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.400+/-0.662 χ^2/NDF: 5495.2/49

All: -222.340+/-0.455 χ^2/NDF: 14128.4/103

- sign -225.854+/-0.625 χ^2/NDF: 8566.3/53

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -70.270+/-1.178 χ^2/NDF: 856.0/24

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

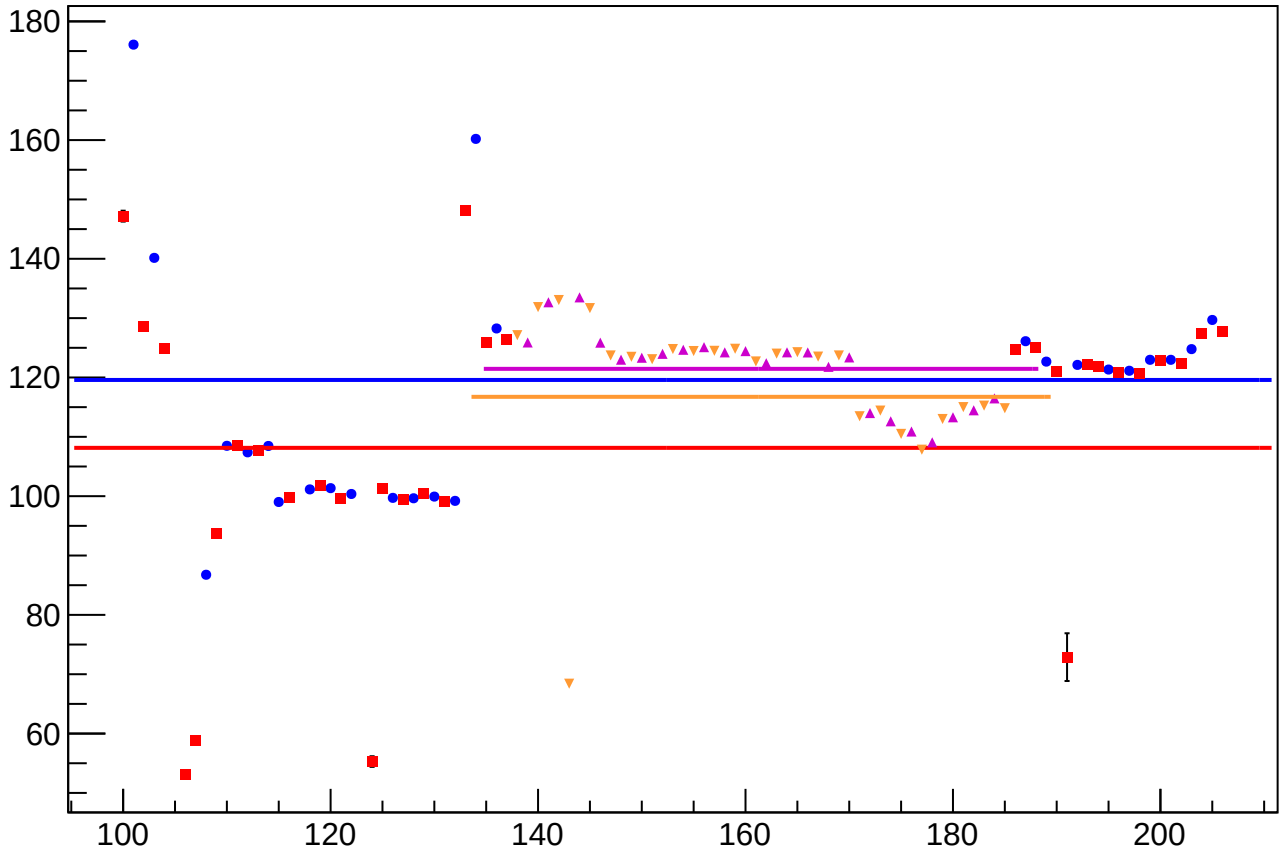
Right Out: -62.305+/-1.095 χ^2/NDF: 1122.0/30

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -72.487+/-0.643 χ^2/NDF: 1697.6/49

All: -72.541+/-0.459 χ^2/NDF: 3400.3/103

- sign -72.596+/-0.655 χ^2/NDF: 1702.8/53



Right In: 119.583+/-0.063 χ^2/NDF: 97468.2/24

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

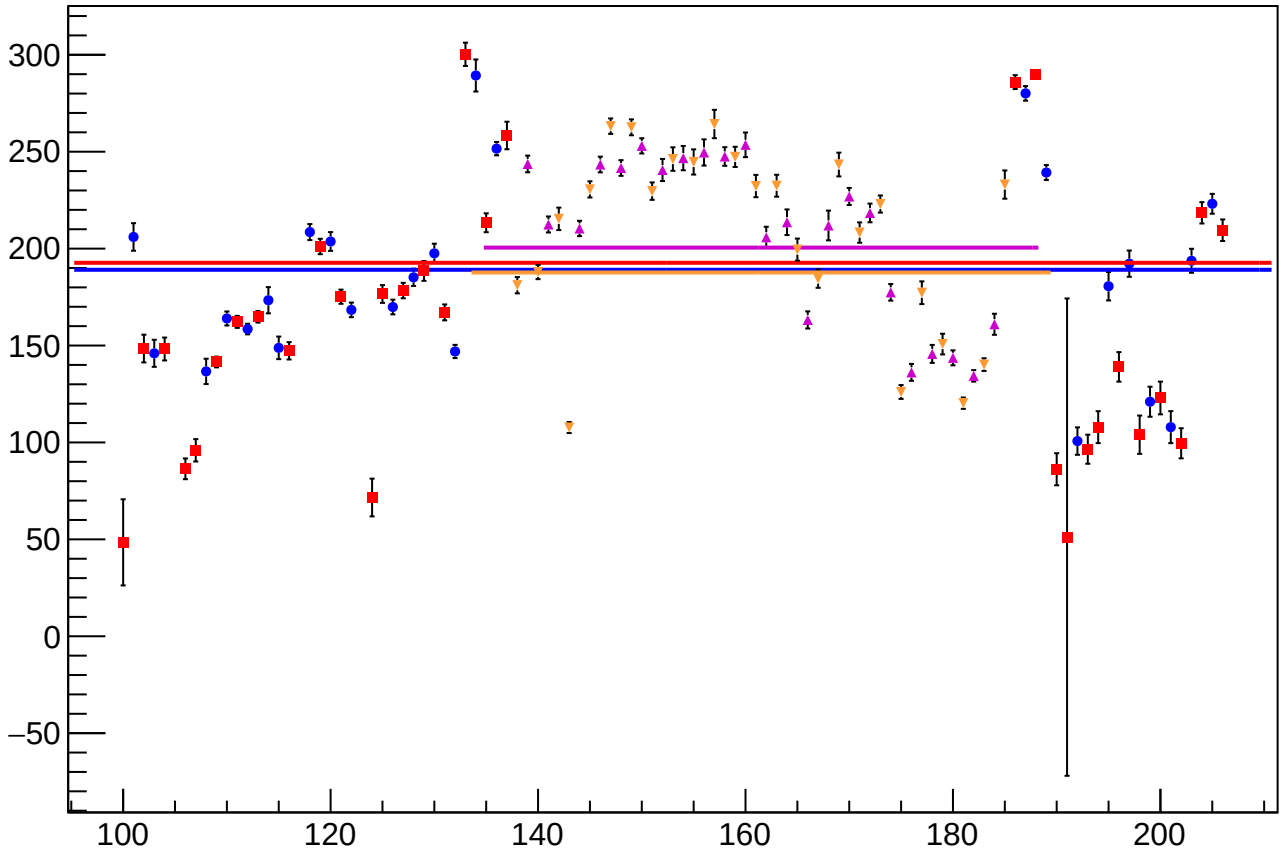
Right Out: 108.143+/-0.056 χ^2/NDF: 207794.2/30

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

\+ sign 117.435+/-0.031 χ^2/NDF: 302657.6/49

All: 117.411+/-0.022 χ^2/NDF: 578225.5/103

\- sign 117.388+/-0.031 χ^2/NDF: 275566.8/53



Right In: 189.082+/-0.938 χ^2/NDF: 2189.2/24

Left Out: 187.681+/-0.898 χ^2/NDF:3528.3/24

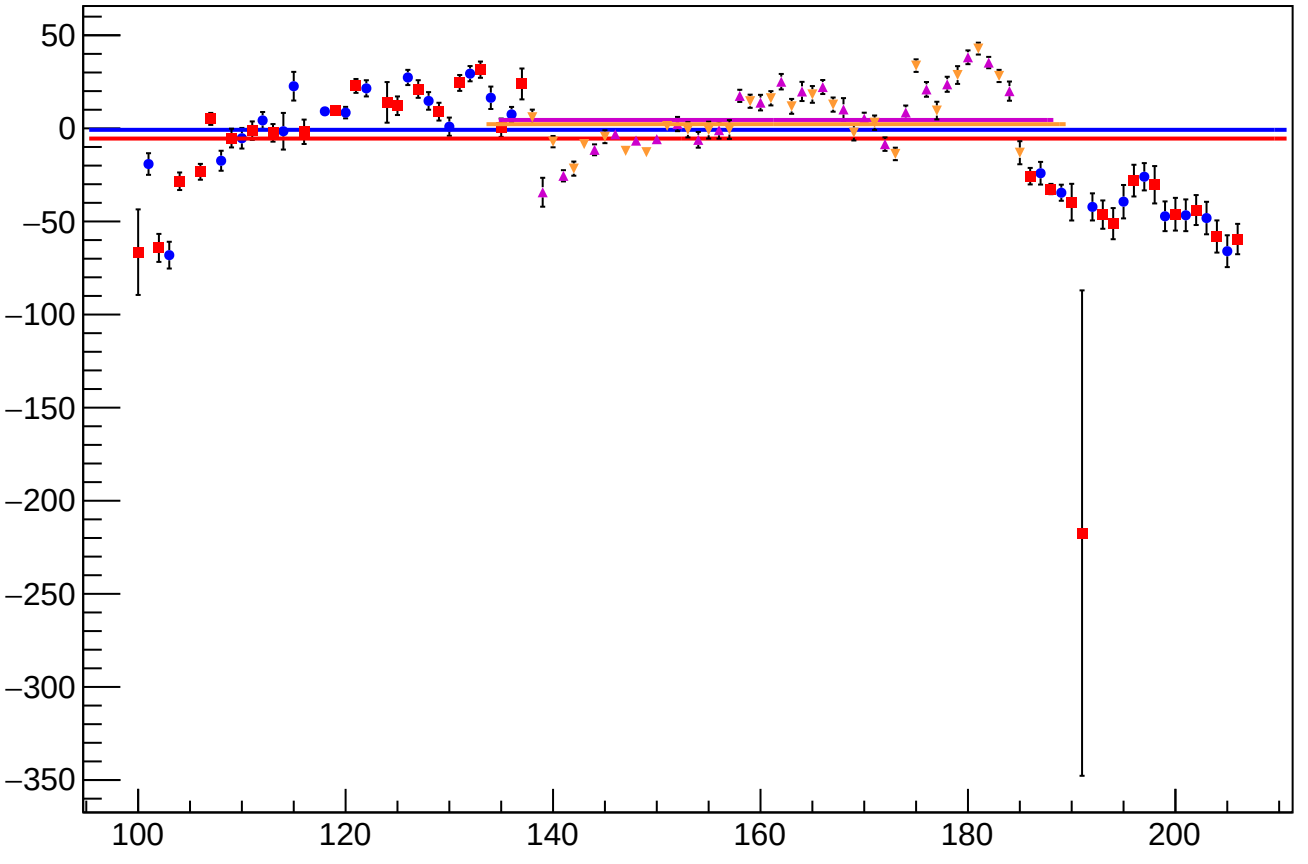
Right Out: 192.685+/-0.827 χ^2/NDF: 6004.7/30

Left In: 200.521+/-0.955 χ^2/NDF:2111.4/22

+ sign 188.350+/-0.648 χ^2/NDF: 5718.6/49

All: 192.337+/-0.450 χ^2/NDF: 13946.2/103

- sign 196.041+/-0.625 χ^2/NDF: 8154.6/53



Right In: -0.789+/-1.003 χ^2/NDF: 583.4/24

Left Out: 2.245+/-0.665 χ^2/NDF:600.9/24

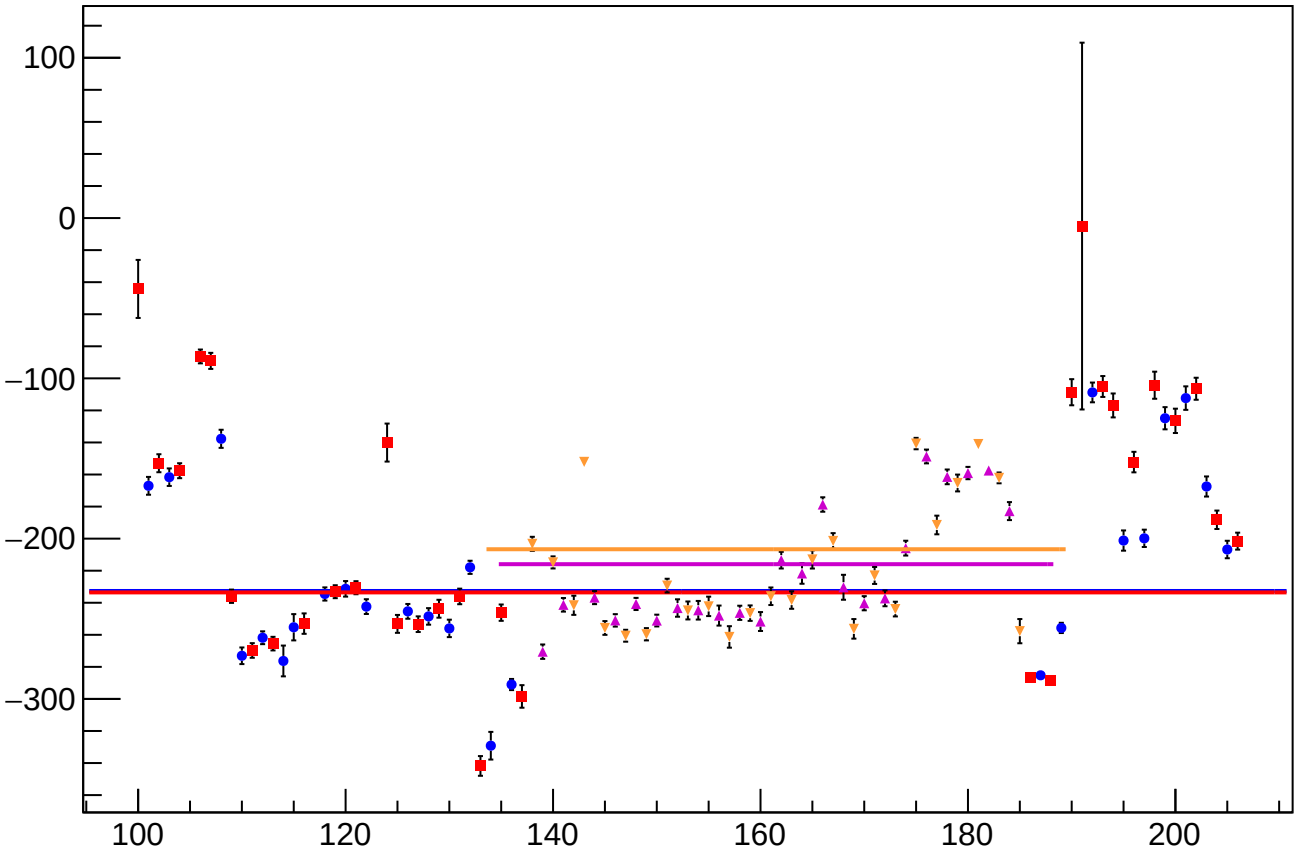
Right Out: -5.482+/-0.916 χ^2/NDF: 733.8/30

Left In: 4.513+/-0.714 χ^2/NDF:547.1/22

+ sign 1.320+/-0.554 χ^2/NDF: 1190.6/49

All: 1.033+/-0.395 χ^2/NDF: 2546.1/103

- sign 0.735+/-0.563 χ^2/NDF: 1354.9/53



Right In: -232.660+/-0.984 χ^2/NDF: 2644.1/24

Left Out: -206.617+/-0.895 χ^2/NDF:2467.8/24

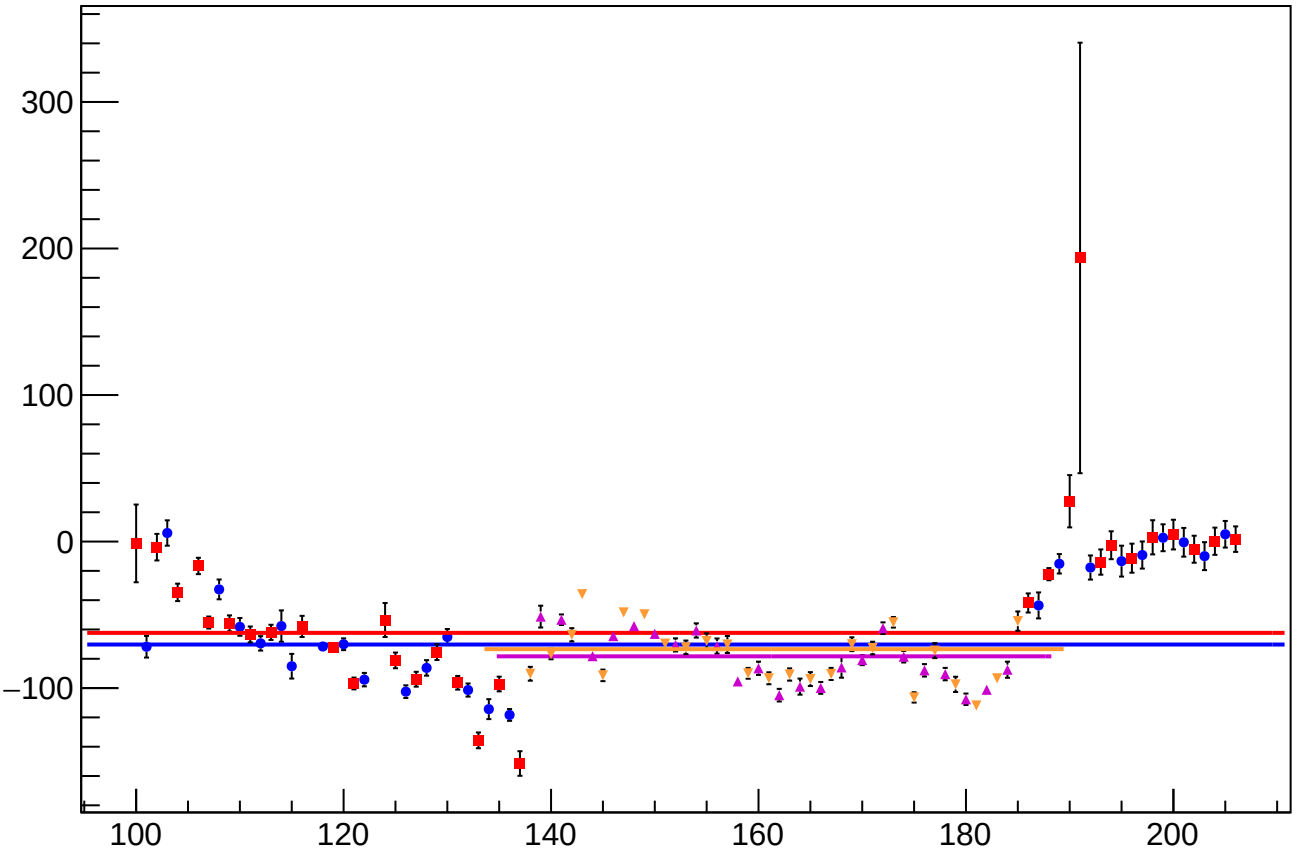
Right Out: -233.542+/-0.833 χ^2/NDF: 6659.3/30

Left In: -215.938+/-0.946 χ^2/NDF:1711.9/22

+ sign -218.400+/-0.662 χ^2/NDF: 5495.2/49

All: -222.340+/-0.455 χ^2/NDF: 14128.4/103

- sign -225.854+/-0.625 χ^2/NDF: 8566.3/53



Right In: -70.270+/-1.178 χ^2/NDF: 856.0/24

Left Out: -73.426+/-0.767 χ^2/NDF:836.6/24

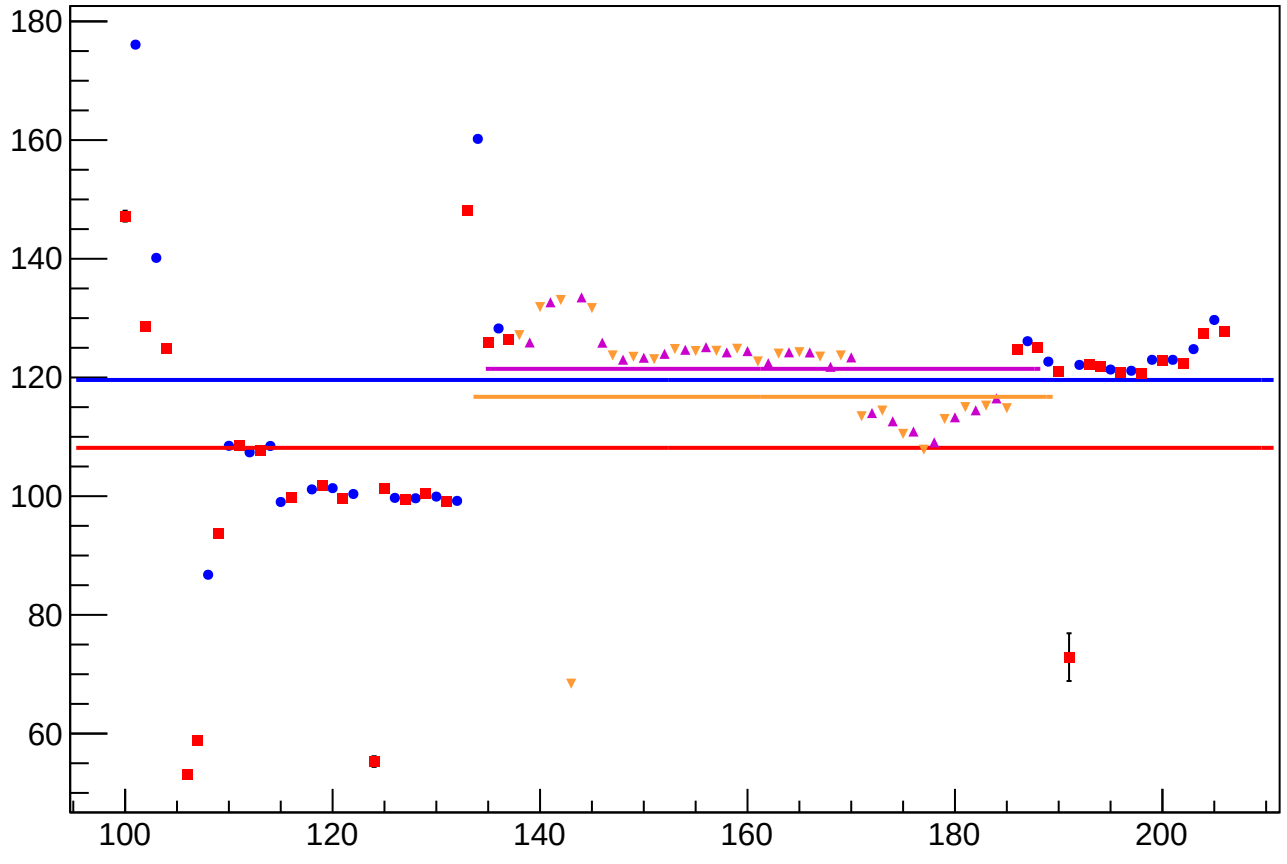
Right Out: -62.305+/-1.095 χ^2/NDF: 1122.0/30

Left In: -78.329+/-0.817 χ^2/NDF:443.2/22

+ sign -72.487+/-0.643 χ^2/NDF: 1697.6/49

All: -72.541+/-0.459 χ^2/NDF: 3400.3/103

- sign -72.596+/-0.655 χ^2/NDF: 1702.8/53



Right In: 119.583+/-0.063 χ^2/NDF: 97468.2/24

Left Out: 116.740+/-0.036 χ^2/NDF:203650.9/24

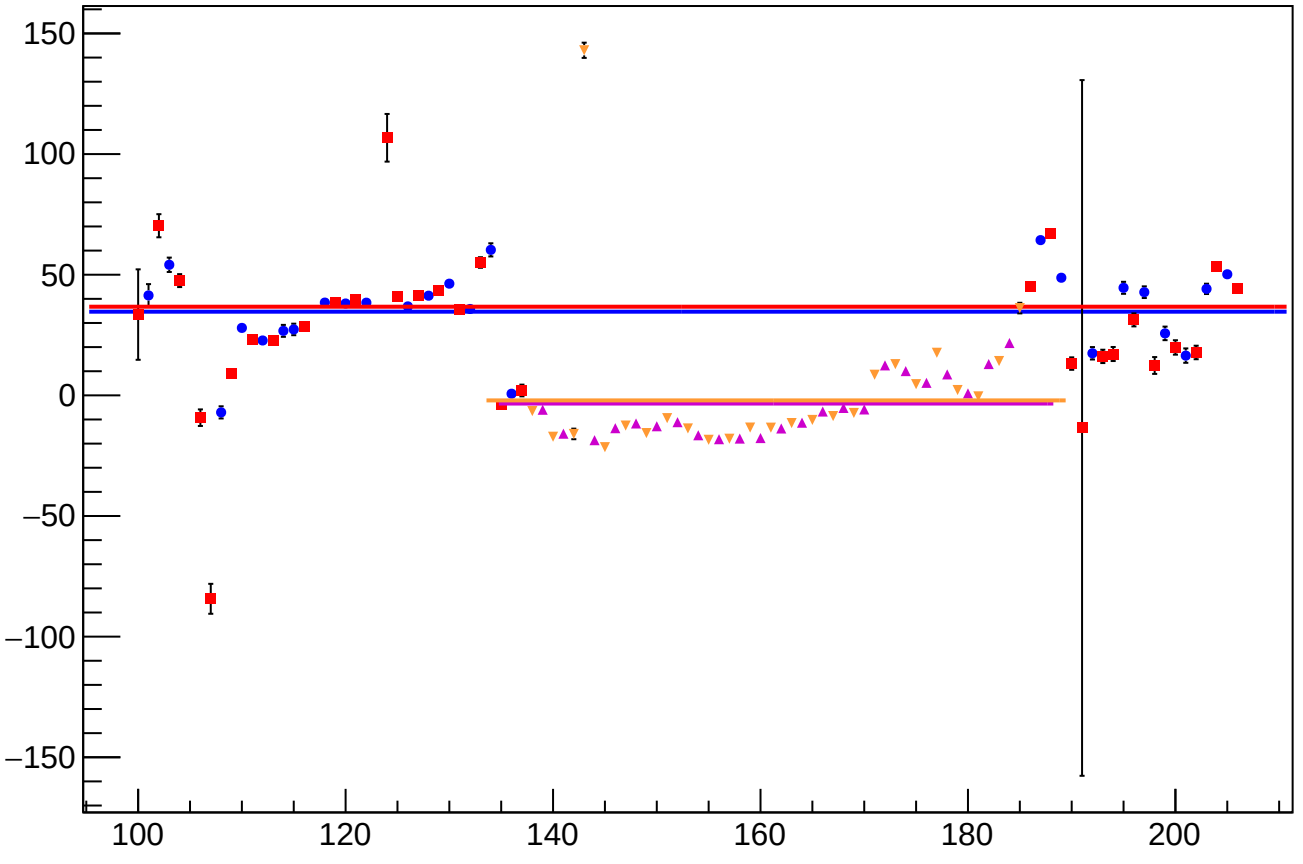
Right Out: 108.143+/-0.056 χ^2/NDF: 207794.2/30

Left In: 121.455+/-0.037 χ^2/NDF:28796.4/22

+ sign 117.435+/-0.031 χ^2/NDF: 302657.6/49

All: 117.411+/-0.022 χ^2/NDF: 578225.5/103

- sign 117.388+/-0.031 χ^2/NDF: 275566.8/53



Right In: 34.682+/-0.354 χ^2/NDF: 2374.4/24

Left Out: -2.091+/-0.267 χ^2/NDF:4201.3/24

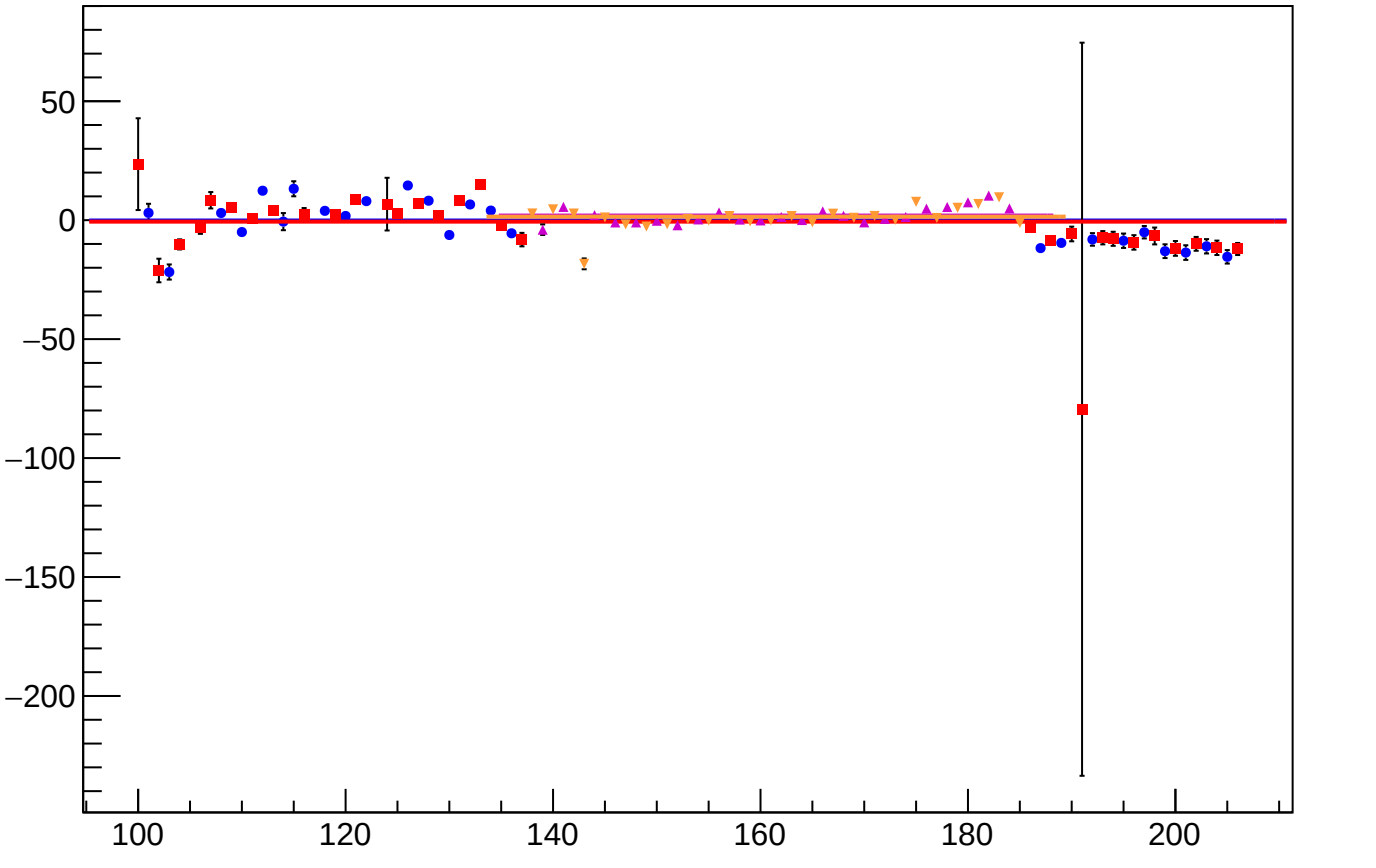
Right Out: 36.740+/-0.307 χ^2/NDF: 4710.6/30

Left In: -3.391+/-0.271 χ^2/NDF:1752.8/22

+ sign 11.238+/-0.213 χ^2/NDF: 13463.2/49

All: 12.778+/-0.147 χ^2/NDF: 29609.0/103

- sign 14.183+/-0.203 χ^2/NDF: 16045.8/53



Right In: -0.141+/-0.388 χ^2/NDF: 468.5/24

Left Out: 1.489+/-0.205 χ^2/NDF:328.6/24

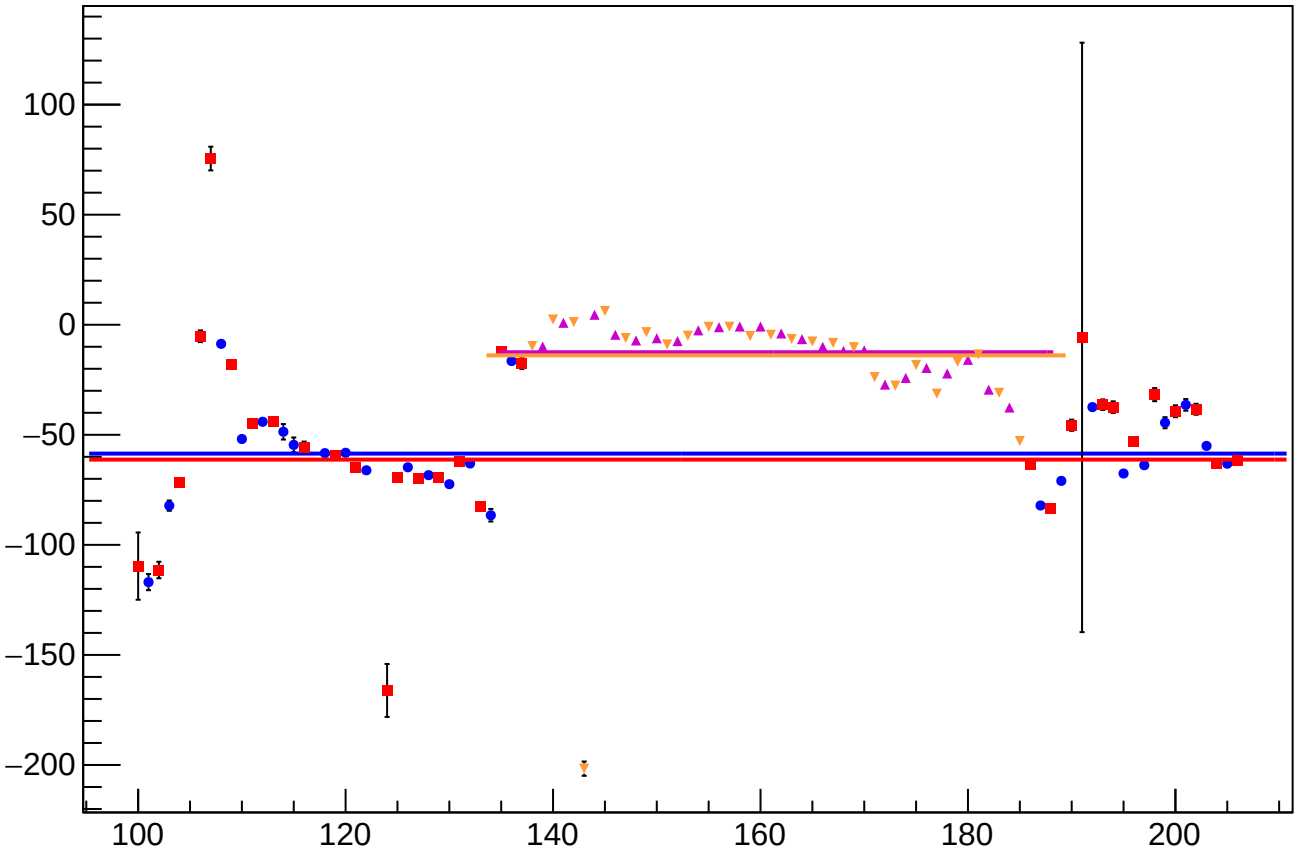
Right Out: -0.616+/-0.358 χ^2/NDF: 409.4/30

Left In: 1.933+/-0.210 χ^2/NDF:240.7/22

+ sign 1.134+/-0.181 χ^2/NDF: 810.9/49

All: 1.206+/-0.128 χ^2/NDF: 1498.9/103

- sign 1.279+/-0.181 χ^2/NDF: 687.8/53



Right In: -58.535+/-0.368 χ^2/NDF: 3333.7/24

Left Out: -13.908+/-0.265 χ^2/NDF:5128.3/24

Right Out: -61.262+/-0.303 χ^2/NDF: 5464.0/30

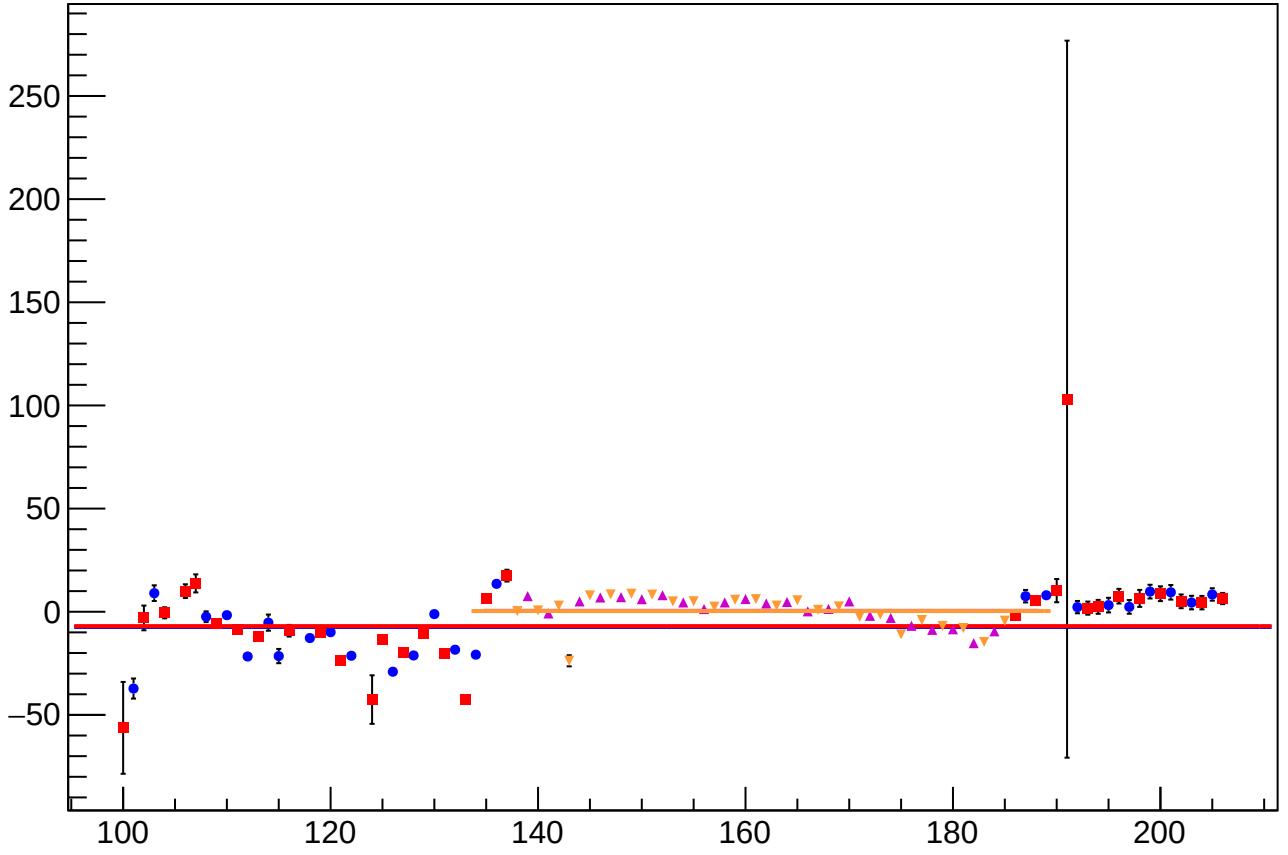
Left In: -12.494+/-0.269 χ^2/NDF:1430.3/22

+ sign -29.138+/-0.215 χ^2/NDF: 18161.9/49

All: -31.724+/-0.147 χ^2/NDF: 39845.0/103

- sign -33.986+/-0.201 χ^2/NDF: 21411.5/53

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -7.360+/-0.453 χ^2/NDF: 894.2/24

Left Out: 0.345+/-0.231 χ^2/NDF:921.9/24

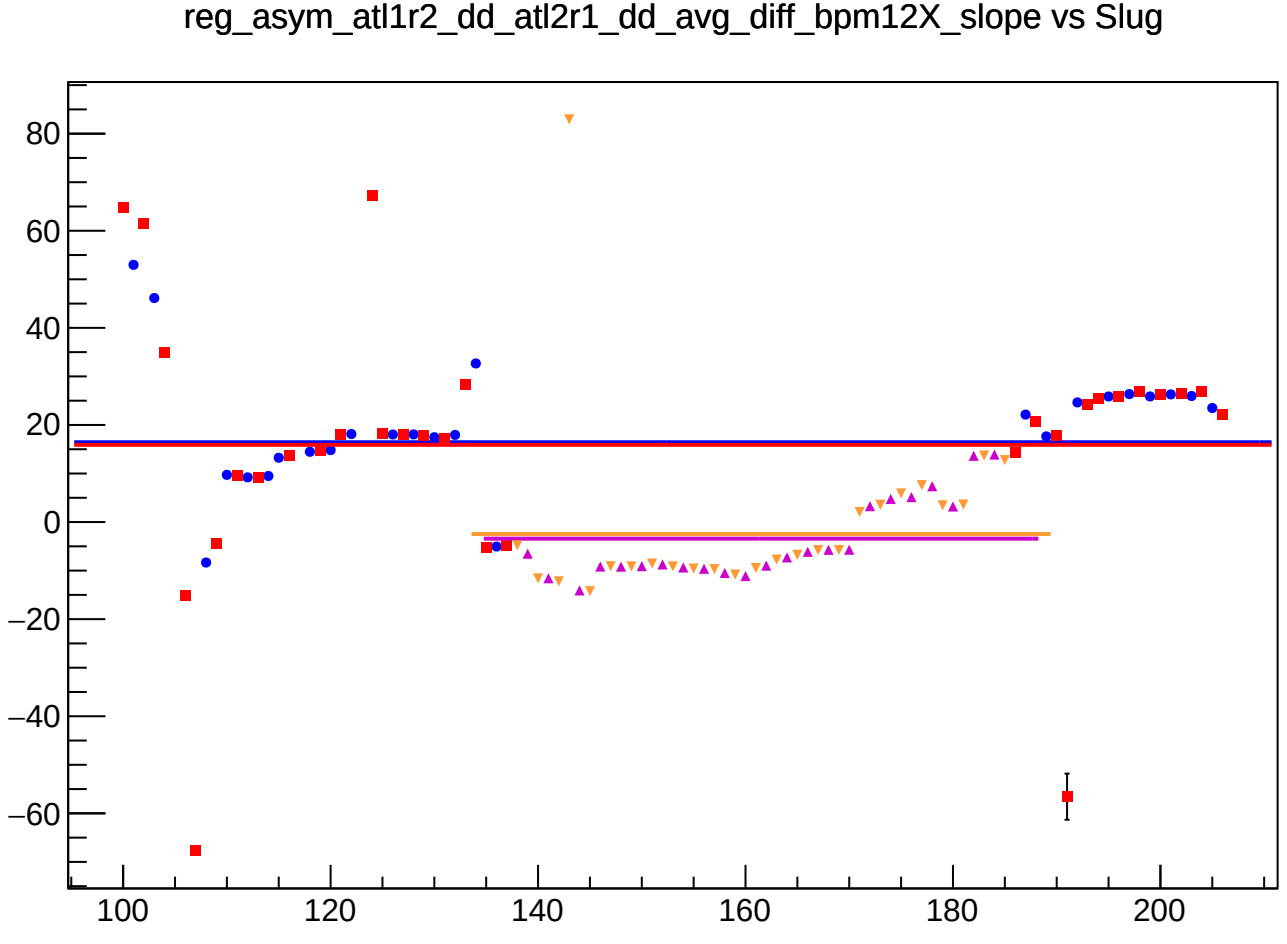
Right Out: -6.959+/-0.431 χ^2/NDF: 939.1/30

Left In: 0.433+/-0.237 χ^2/NDF:782.1/22

+ sign -1.246+/-0.206 χ^2/NDF: 2045.2/49

All: -1.262+/-0.146 χ^2/NDF: 3992.3/103

- sign -1.279+/-0.207 χ^2/NDF: 1947.1/53



Right In: 16.435+/-0.023 χ^2/NDF: 430690.4/24

Left Out: -2.452+/-0.010 χ^2/NDF:961833.3/24

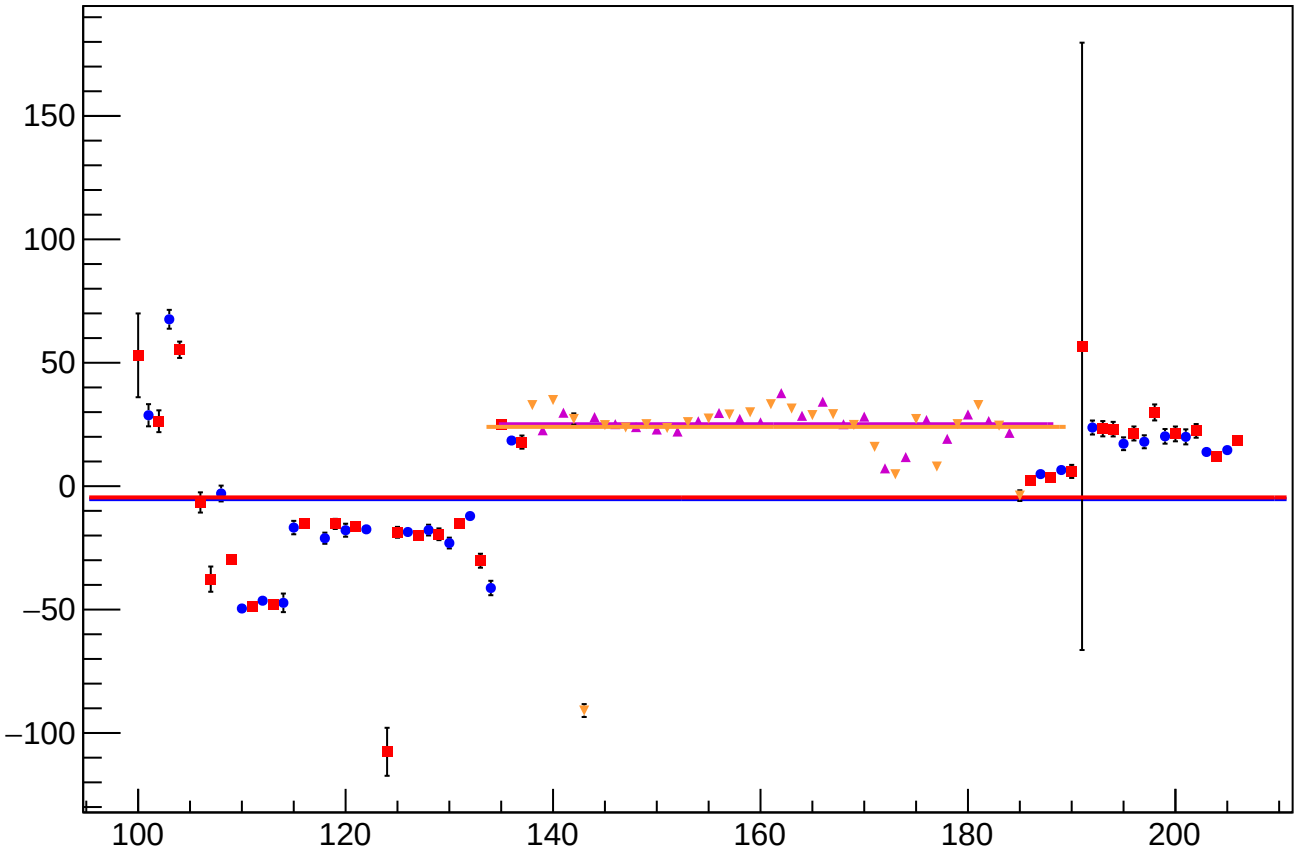
Right Out: 15.912+/-0.022 χ^2/NDF: 557354.1/30

Left In: -3.418+/-0.010 χ^2/NDF:546802.2/22

+ sign 0.653+/-0.009 χ^2/NDF: 1939621.8/49

All: 0.337+/-0.007 χ^2/NDF: 3655994.8/103

- sign 0.022+/-0.009 χ^2/NDF: 1714151.1/53



Right In: -5.254+/-0.434 χ^2/NDF: 3203.3/24

Left Out: 24.025+/-0.282 χ^2/NDF:2802.2/24

Right Out: -4.552+/-0.387 χ^2/NDF: 3712.6/30

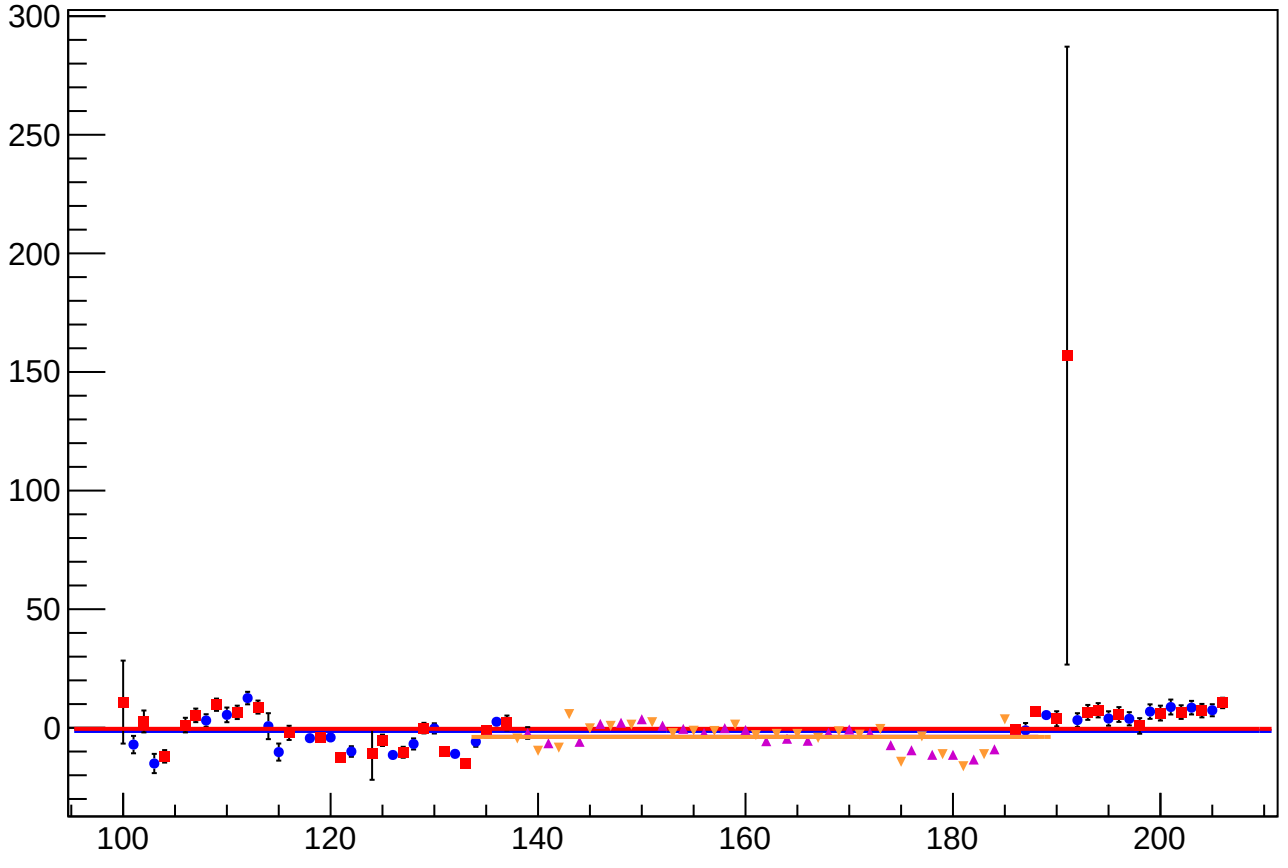
Left In: 25.089+/-0.287 χ^2/NDF:495.3/22

+ sign 15.339+/-0.237 χ^2/NDF: 9203.1/49

All: 14.944+/-0.165 χ^2/NDF: 17196.8/103

- sign 14.568+/-0.231 χ^2/NDF: 7988.2/53

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -1.329+/-0.474 χ^2/NDF: 201.8/24

Left Out: -3.845+/-0.218 χ^2/NDF:649.4/24

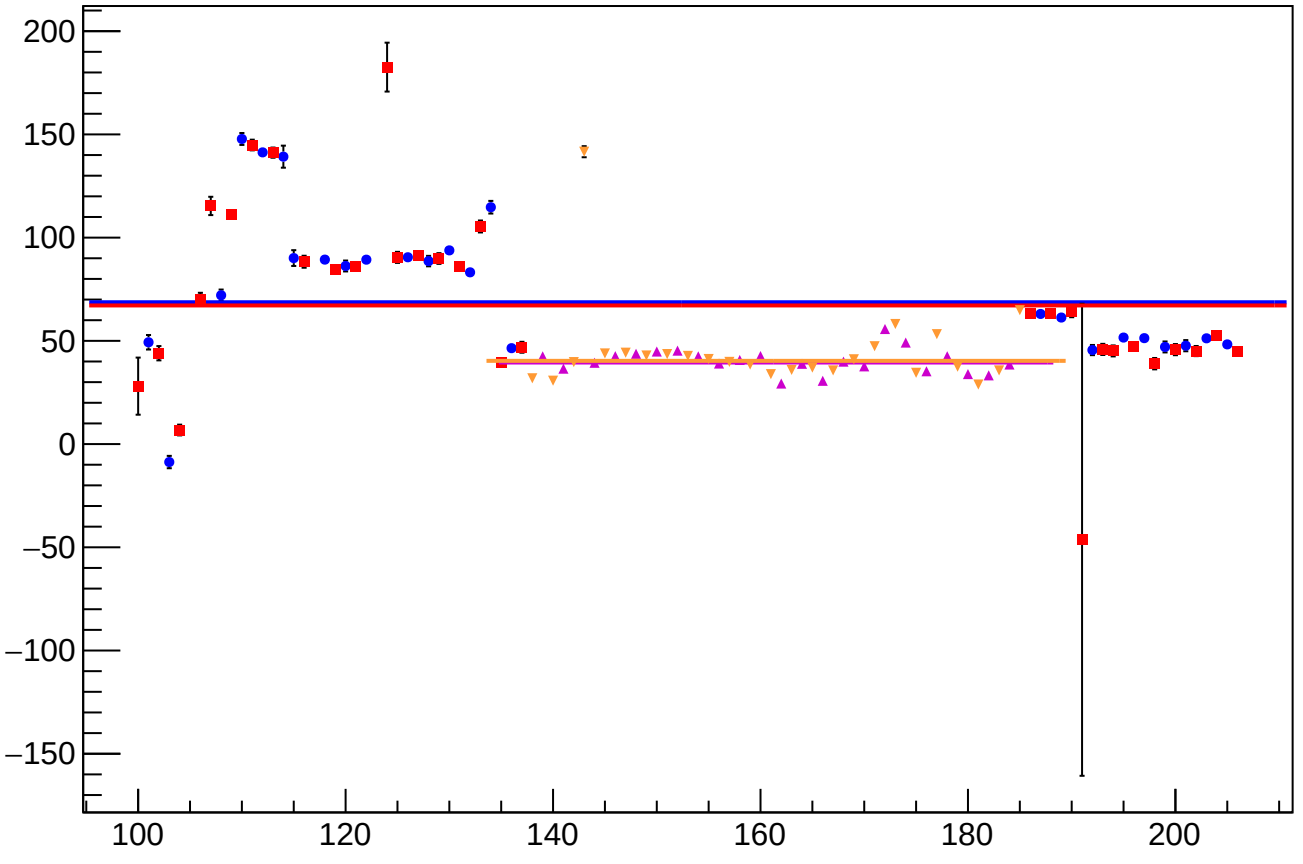
Right Out: -0.430+/-0.444 χ^2/NDF: 282.4/30

Left In: -3.780+/-0.224 χ^2/NDF:509.8/22

+ sign -3.407+/-0.198 χ^2/NDF: 874.5/49

All: -3.256+/-0.141 χ^2/NDF: 1713.2/103

- sign -3.103+/-0.200 χ^2/NDF: 837.6/53



Right In: 68.696+/-0.448 χ^2/NDF: 4258.1/24

Left Out: 40.315+/-0.280 χ^2/NDF:2182.8/24

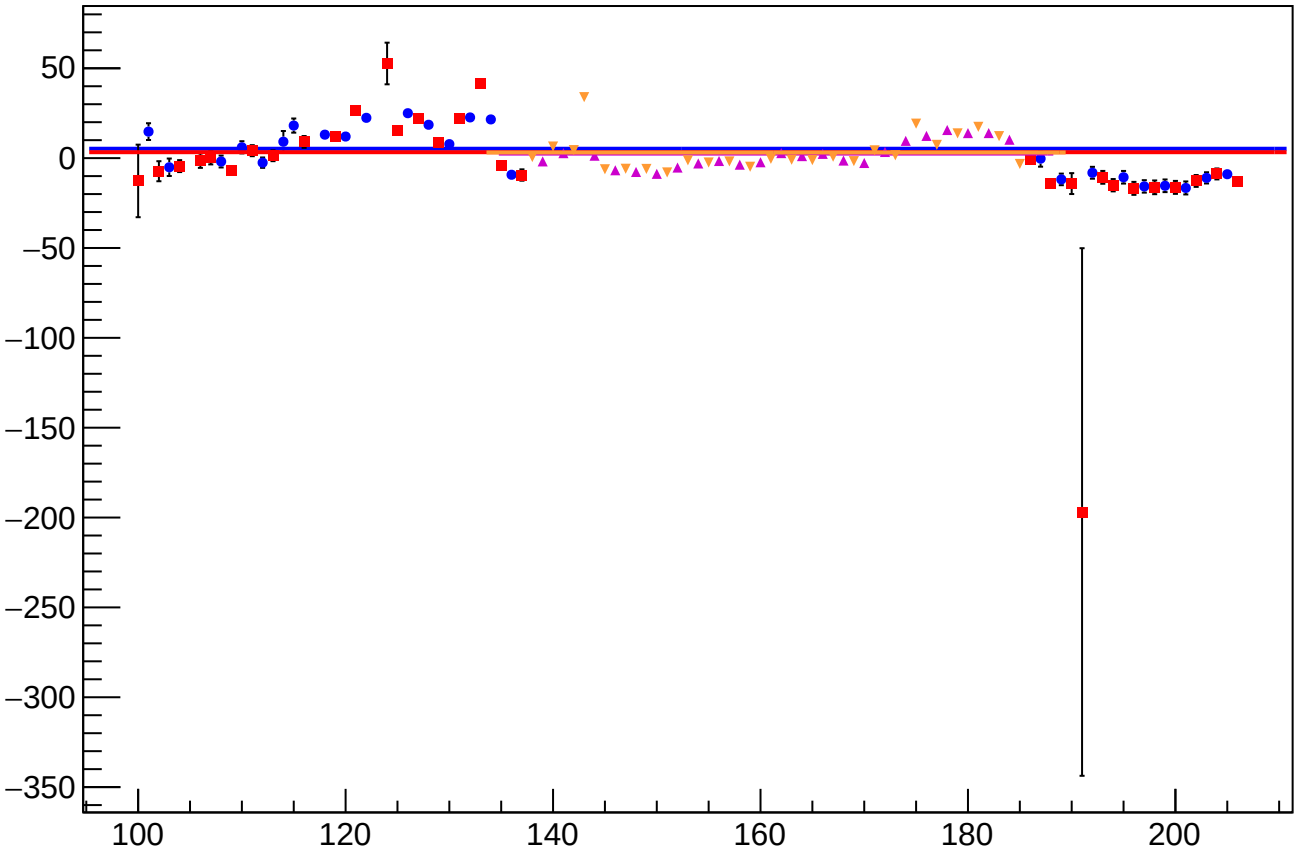
Right Out: 67.150+/-0.383 χ^2/NDF: 4748.8/30

Left In: 39.504+/-0.285 χ^2/NDF:432.1/22

\+ sign 48.290+/-0.238 χ^2/NDF: 9324.6/49

All: 48.830+/-0.165 χ^2/NDF: 17866.5/103

\- sign 49.330+/-0.229 χ^2/NDF: 8531.9/53



Right In: 5.223+/-0.547 χ^2/NDF: 655.1/24

Left Out: 3.142+/-0.245 χ^2/NDF:1267.0/24

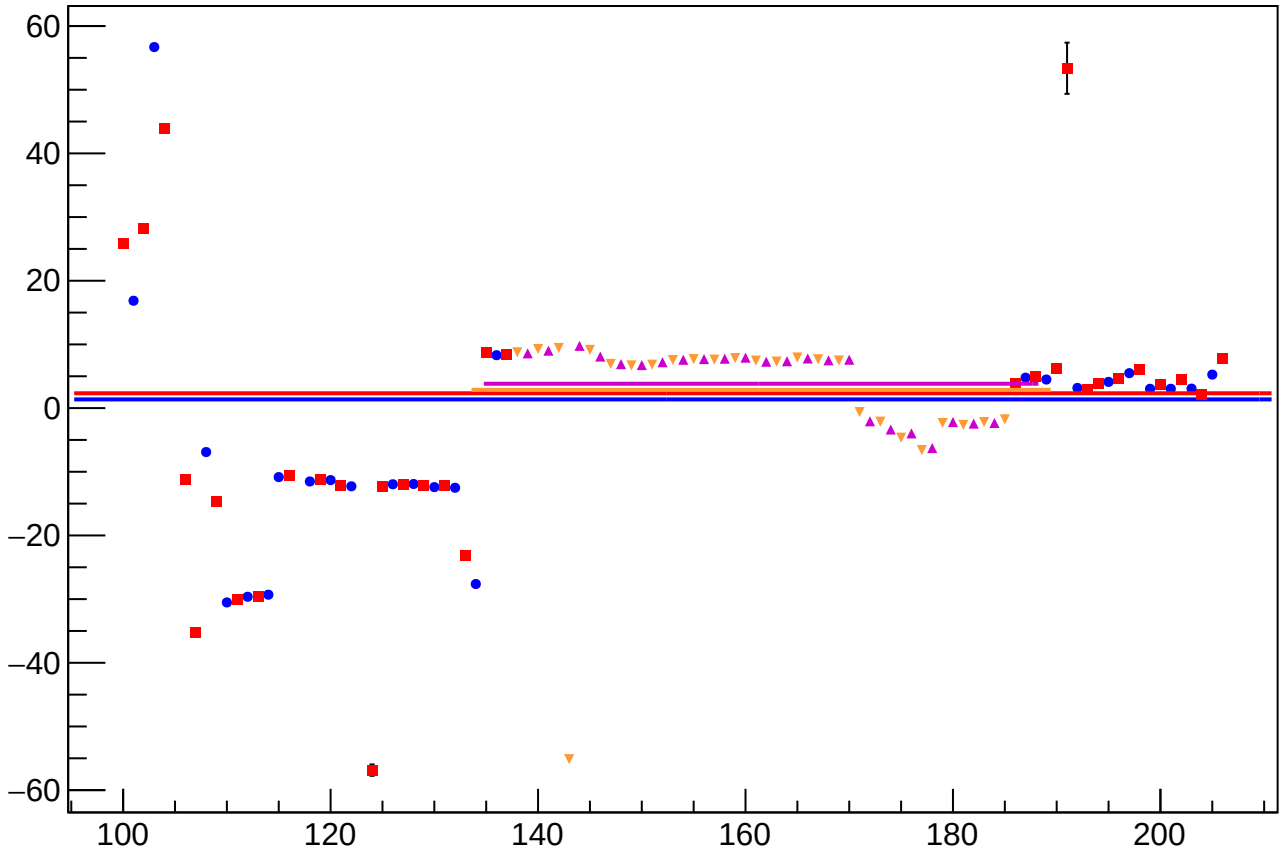
Right Out: 3.302+/-0.525 χ^2/NDF: 892.1/30

Left In: 2.519+/-0.251 χ^2/NDF:968.2/22

+ sign 3.491+/-0.224 χ^2/NDF: 1934.2/49

All: 3.082+/-0.159 χ^2/NDF: 3803.0/103

- sign 2.665+/-0.226 χ^2/NDF: 1862.1/53



Right In: 1.363+/-0.026 χ^2/NDF: 376116.0/24

Left Out: 2.870+/-0.011 χ^2/NDF:512331.0/24

Right Out: 2.330+/-0.025 χ^2/NDF: 330192.9/30

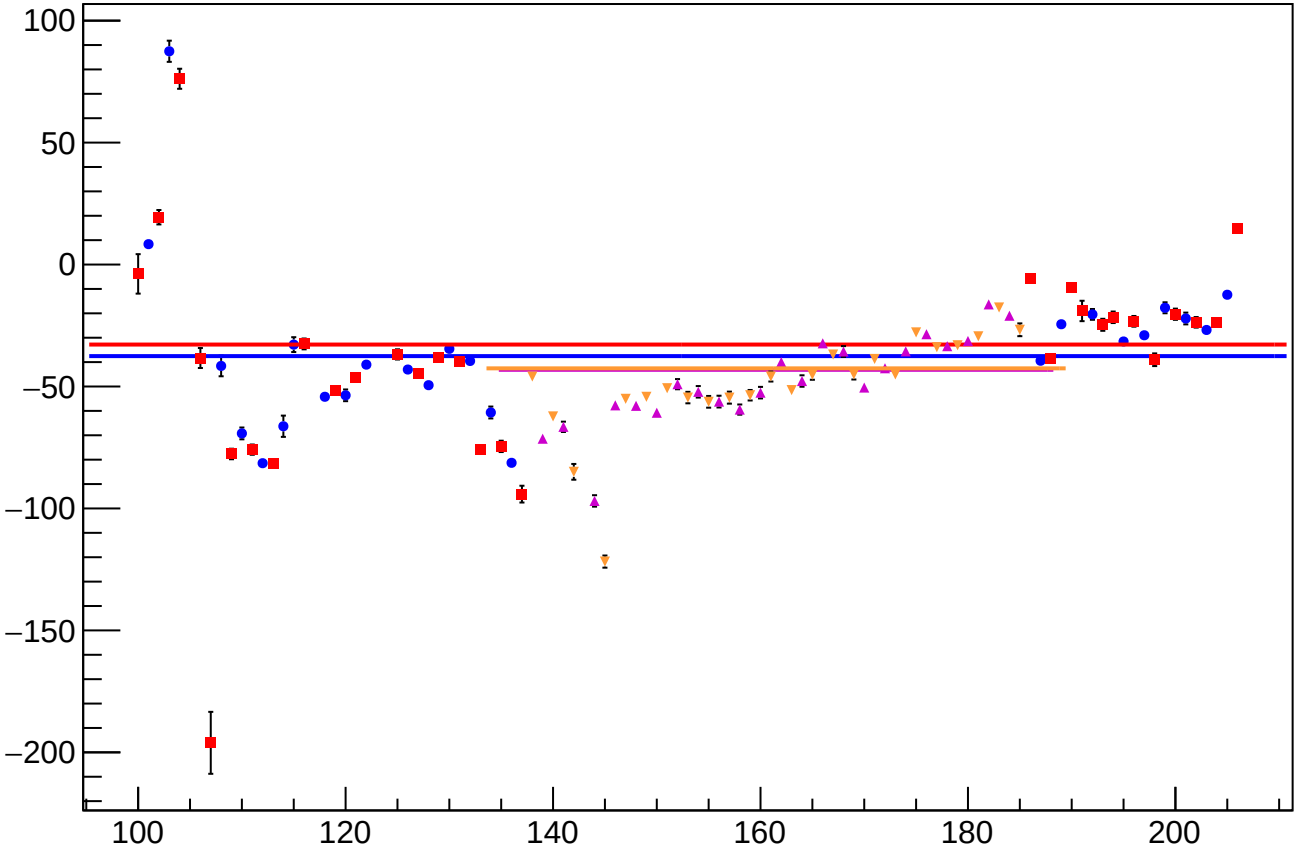
Left In: 3.825+/-0.011 χ^2/NDF:233224.7/22

+ sign 2.648+/-0.010 χ^2/NDF: 891221.9/49

All: 3.114+/-0.007 χ^2/NDF: 1461832.9/103

- sign 3.580+/-0.010 χ^2/NDF: 566392.1/53

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs Slug



Right In: -37.541+/-0.395 χ^2/NDF: 3734.6/24

Left Out: -42.560+/-0.378 χ^2/NDF:2326.4/23

Right Out: -32.803+/-0.345 χ^2/NDF: 6230.5/29

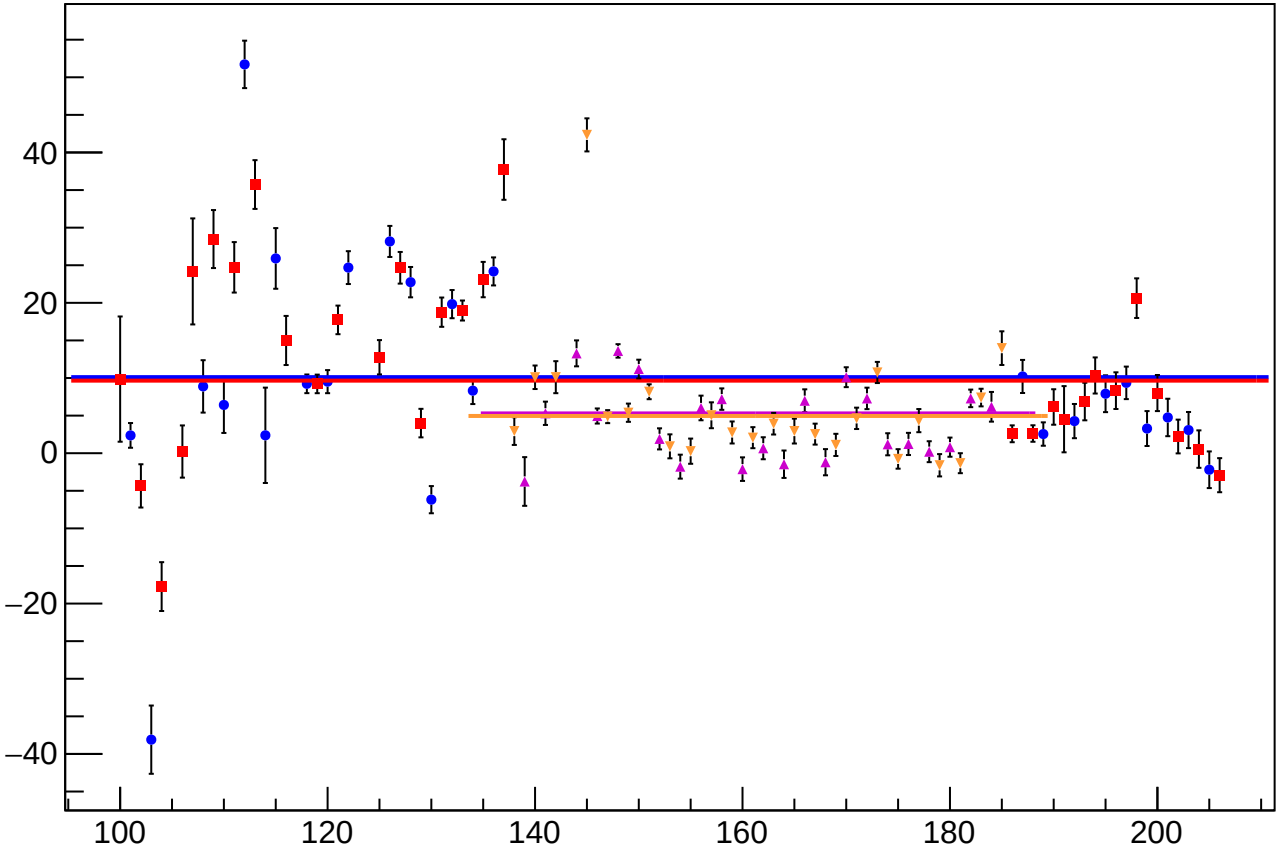
Left In: -43.152+/-0.382 χ^2/NDF:2206.6/22

+ sign -40.160+/-0.273 χ^2/NDF: 6145.2/48

All: -38.716+/-0.187 χ^2/NDF: 15040.1/101

- sign -37.451+/-0.256 χ^2/NDF: 8842.5/52

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs Slug



Right In: 10.117+/-0.423 χ^2/NDF: 732.1/24

Left Out: 4.954+/-0.288 χ^2/NDF:449.1/23

Right Out: 9.652+/-0.389 χ^2/NDF: 608.8/29

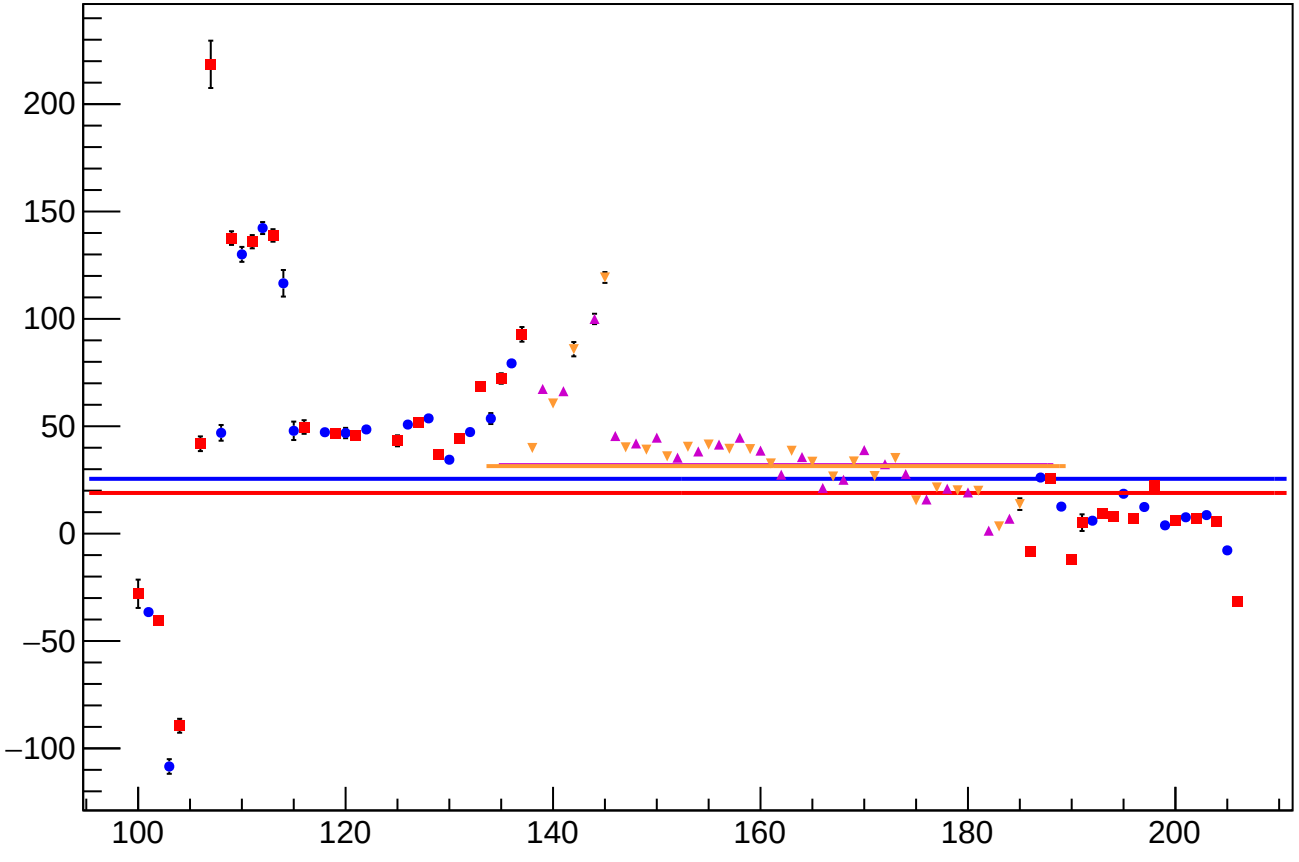
Left In: 5.292+/-0.294 χ^2/NDF:286.4/22

+ sign 6.595+/-0.238 χ^2/NDF: 1282.9/48

All: 6.739+/-0.167 χ^2/NDF: 2258.7/101

- sign 6.879+/-0.235 χ^2/NDF: 975.1/52

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs Slug



Right In: 25.521+/-0.389 χ^2/NDF: 9045.9/24

Left Out: 31.439+/-0.376 χ^2/NDF:2762.0/23

Right Out: 18.936+/-0.322 χ^2/NDF: 12566.4/29

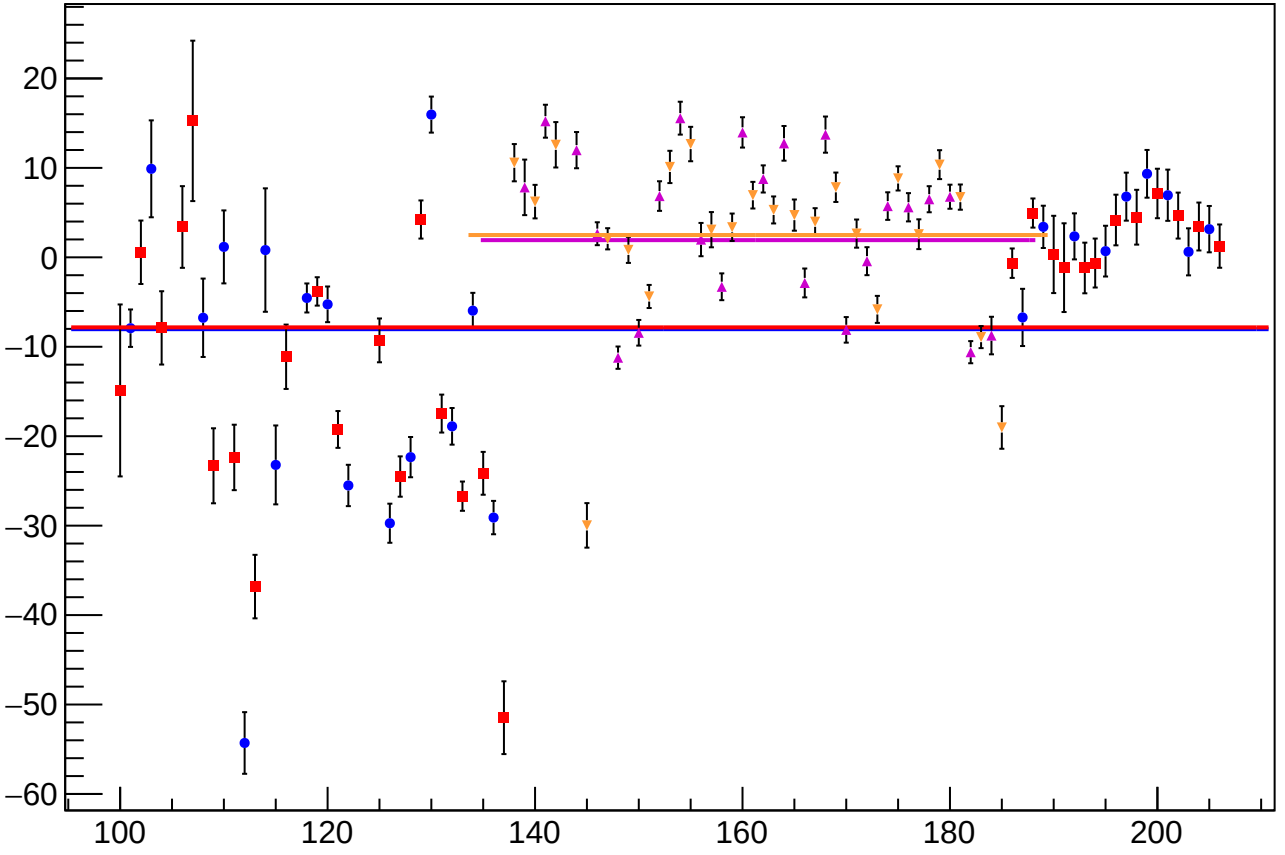
Left In: 31.895+/-0.378 χ^2/NDF:2767.3/22

\+ sign 28.584+/-0.270 χ^2/NDF: 11927.7/48

All: 26.284+/-0.182 χ^2/NDF: 28073.9/101

\- sign 24.389+/-0.245 χ^2/NDF: 16014.1/52

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs Slug



Right In: -8.032+/-0.498 χ^2/NDF: 889.9/24

Left Out: 2.494+/-0.327 χ^2/NDF:558.7/23

Right Out: -7.831+/-0.473 χ^2/NDF: 772.3/29

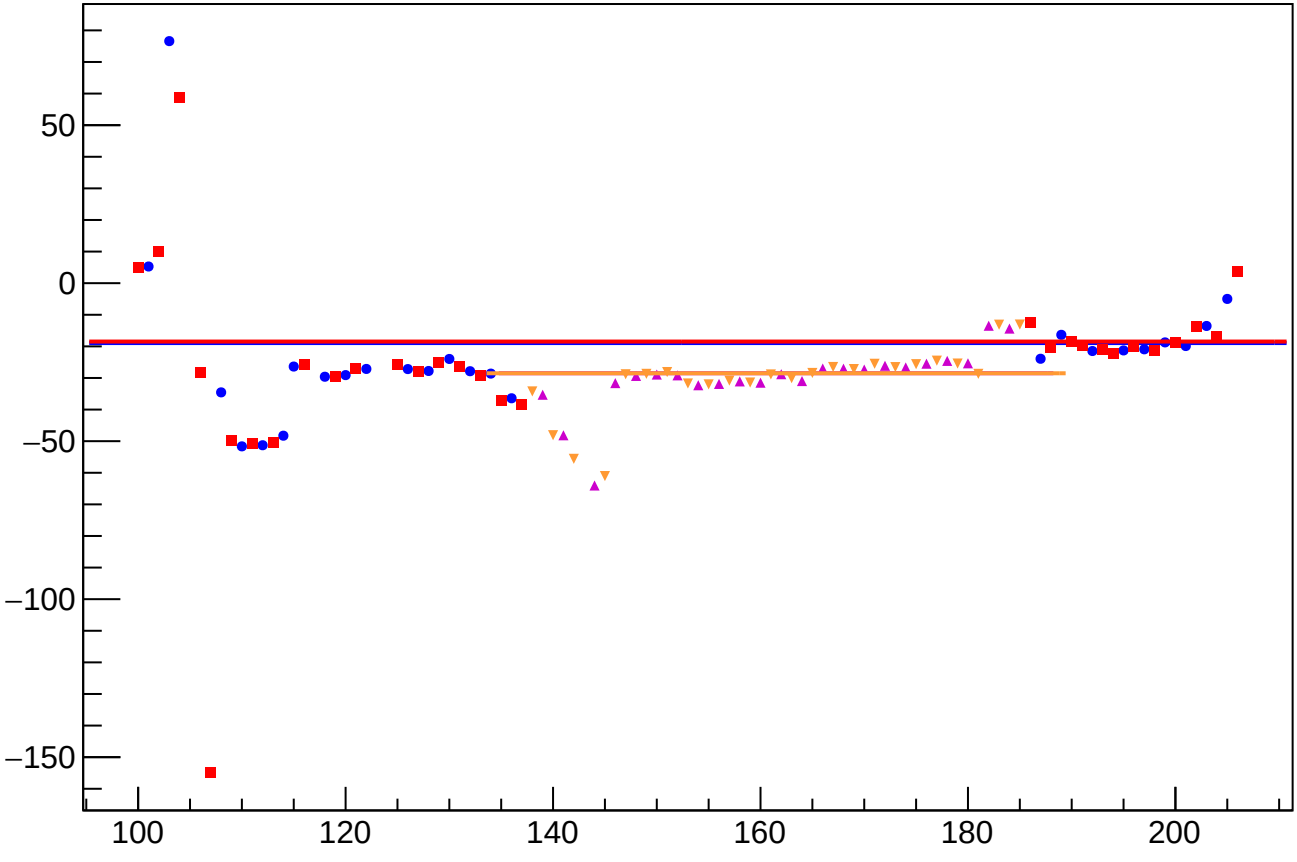
Left In: 1.921+/-0.332 χ^2/NDF:678.8/22

+ sign -0.671+/-0.273 χ^2/NDF: 1760.7/48

All: -0.985+/-0.193 χ^2/NDF: 3499.1/101

- sign -1.296+/-0.272 χ^2/NDF: 1735.8/52

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs Slug



Right In: -18.952+/-0.024 χ^2/NDF: 666781.3/24

Left Out: -28.513+/-0.015 χ^2/NDF:333774.3/23

Right Out: -18.473+/-0.022 χ^2/NDF: 623150.6/29

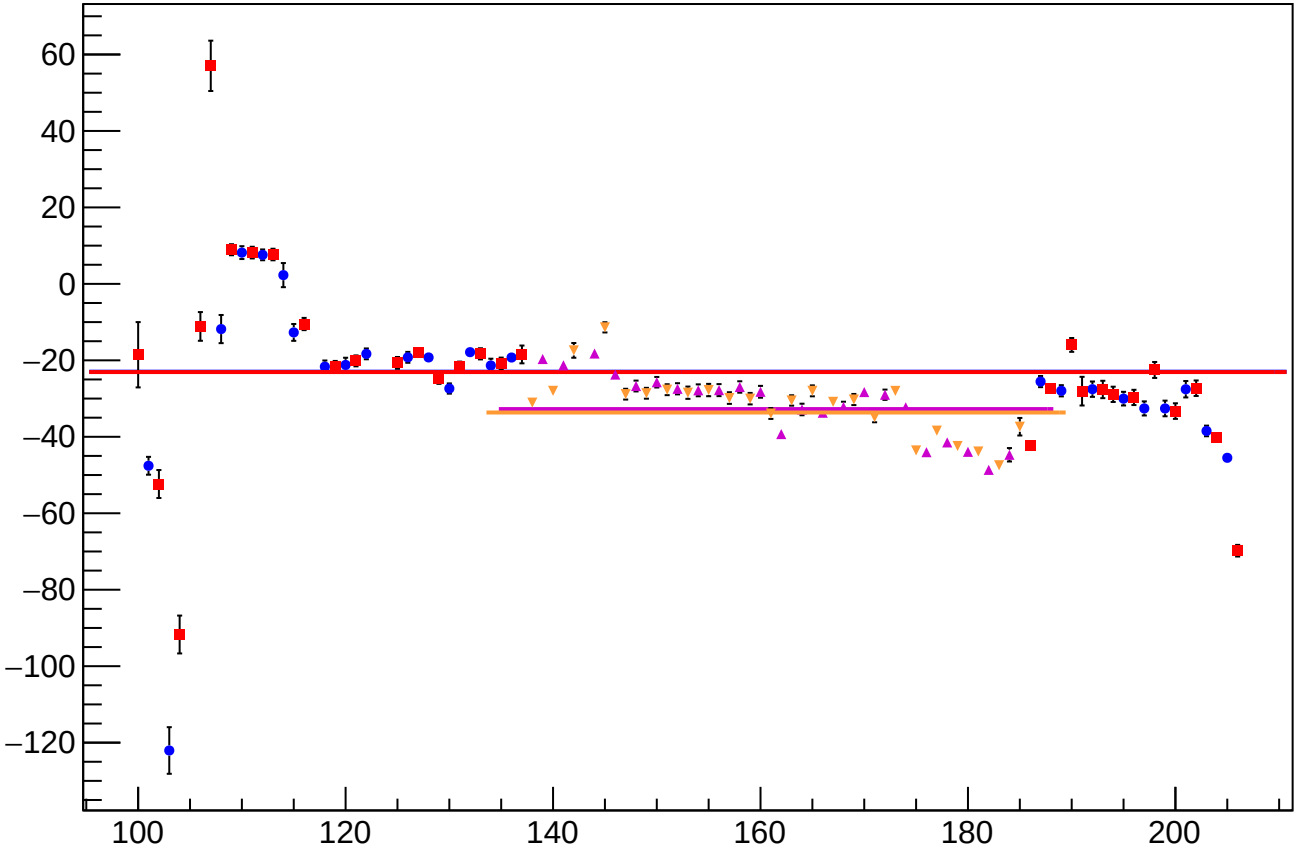
Left In: -28.495+/-0.015 χ^2/NDF:287757.4/22

+ sign -25.817+/-0.013 χ^2/NDF: 1118820.0/48

All: -25.592+/-0.009 χ^2/NDF: 2172937.1/101

- sign -25.375+/-0.012 χ^2/NDF: 1053484.4/52

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs Slug



Right In: -22.969+/-0.323 χ^2/NDF: 1922.2/24

Left Out: -33.643+/-0.265 χ^2/NDF:1015.9/23

Right Out: -23.065+/-0.303 χ^2/NDF: 3303.1/29

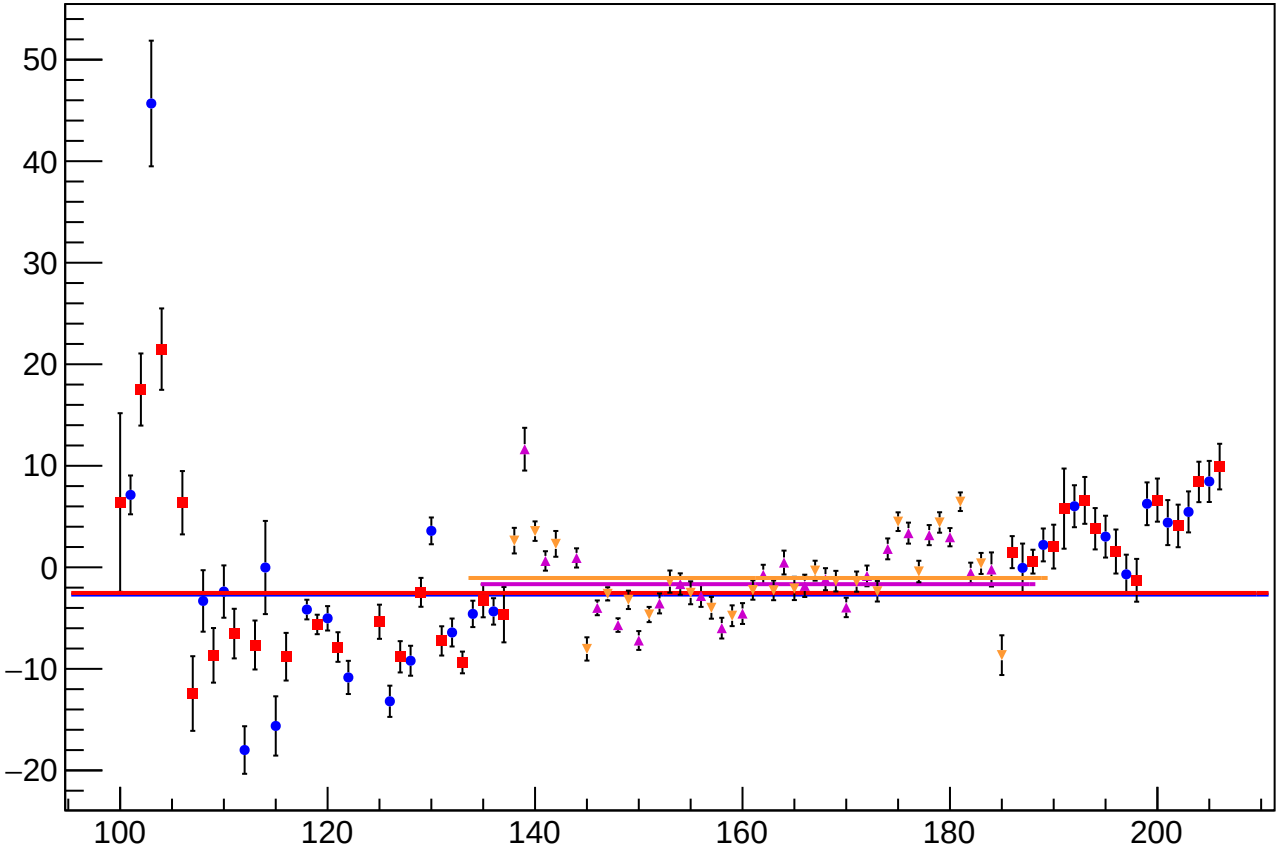
Left In: -32.750+/-0.269 χ^2/NDF:1143.5/22

+ sign -29.343+/-0.205 χ^2/NDF: 3591.1/48

All: -28.906+/-0.143 χ^2/NDF: 8619.2/101

- sign -28.486+/-0.201 χ^2/NDF: 5019.2/52

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.684+/-0.345 χ^2/NDF: 392.8/24

Left Out: -1.050+/-0.203 χ^2/NDF:289.4/23

Right Out: -2.524+/-0.336 χ^2/NDF: 340.3/29

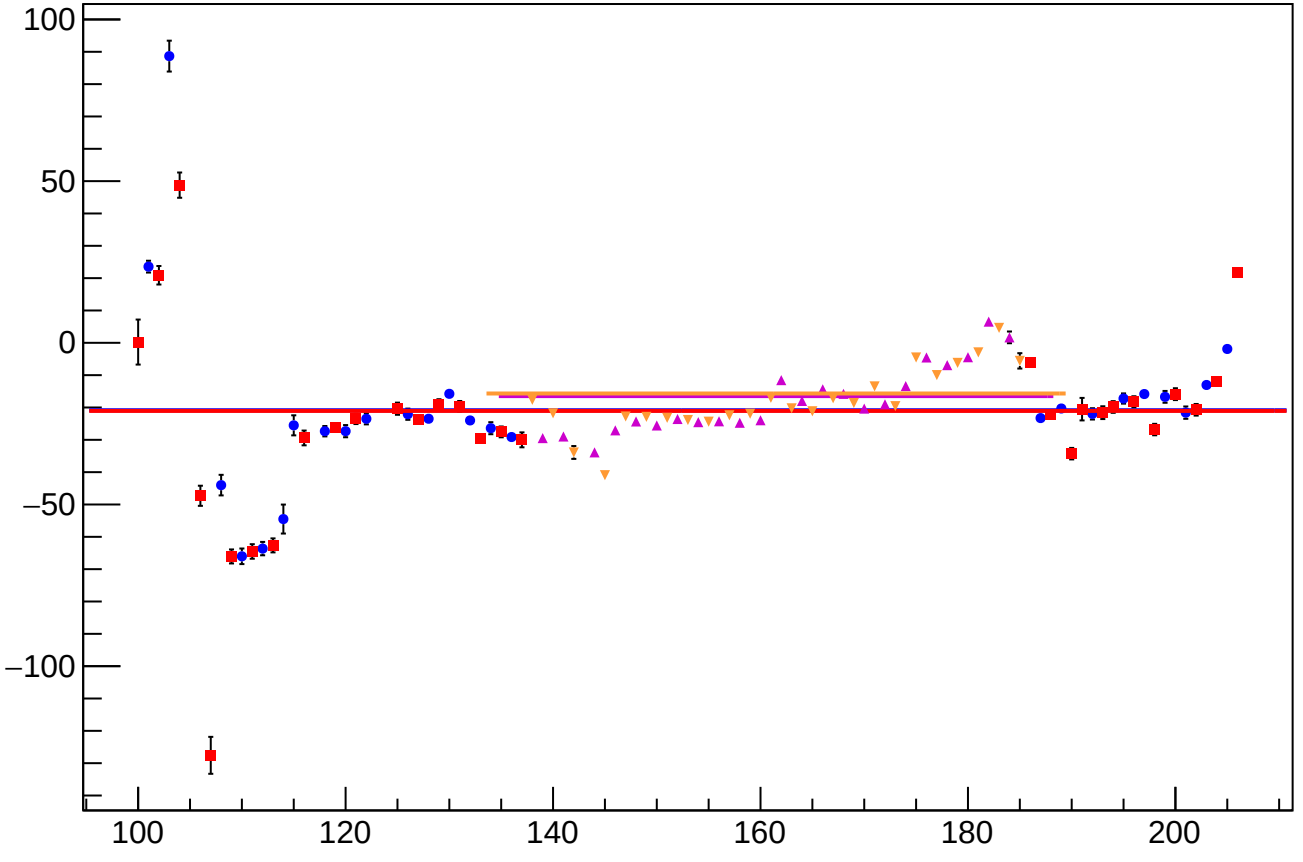
Left In: -1.659+/-0.207 χ^2/NDF:264.4/22

+ sign -1.470+/-0.175 χ^2/NDF: 698.9/48

All: -1.682+/-0.124 χ^2/NDF: 1311.3/101

- sign -1.896+/-0.176 χ^2/NDF: 609.5/52

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs Slug



Right In: -20.852+/-0.333 χ^2/NDF: 2394.8/24

Left Out: -15.674+/-0.263 χ^2/NDF:1520.8/23

Right Out: -21.059+/-0.303 χ^2/NDF: 3454.6/29

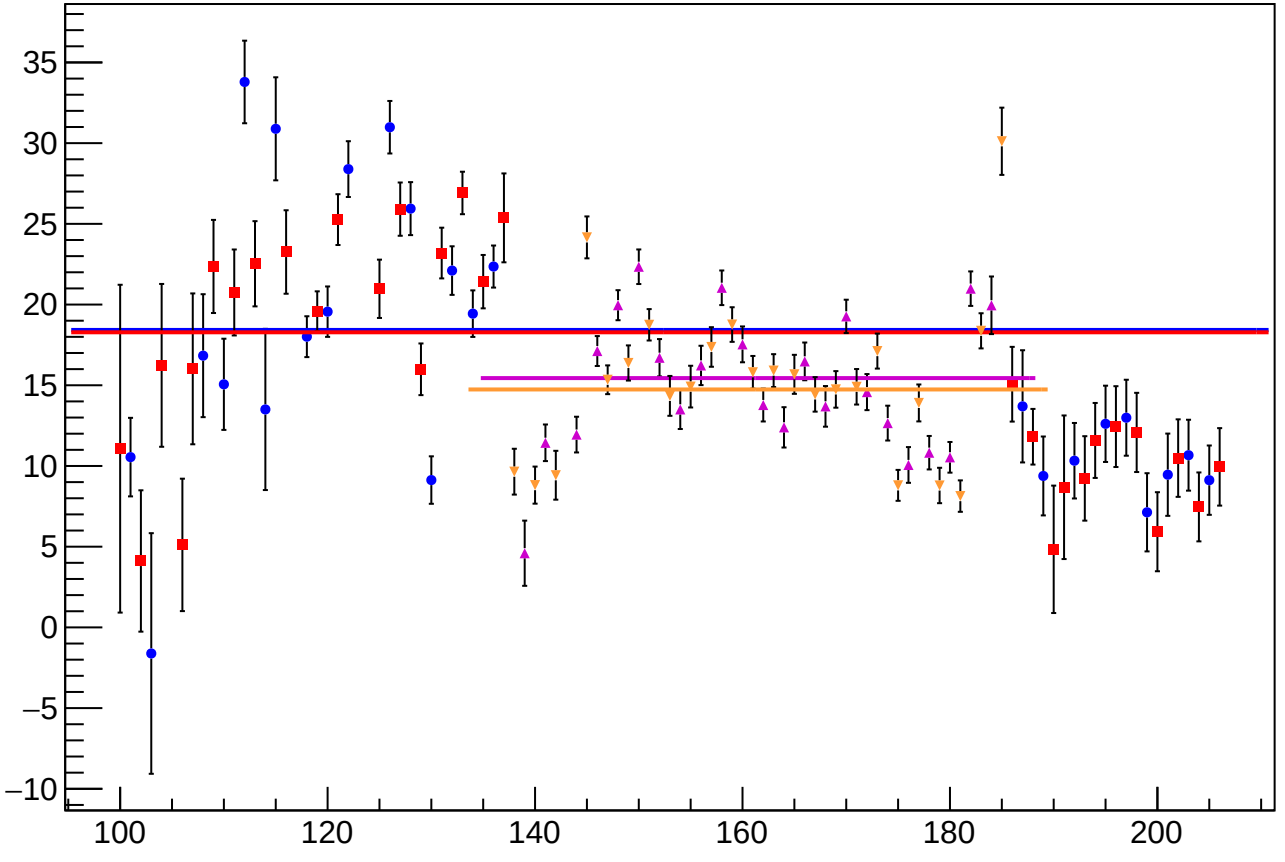
Left In: -16.480+/-0.266 χ^2/NDF:1697.7/22

\+ sign -17.660+/-0.207 χ^2/NDF: 4064.2/48

All: -18.081+/-0.144 χ^2/NDF: 9353.7/101

\- sign -18.474+/-0.200 χ^2/NDF: 5281.5/52

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs Slug



Right In: 18.428+/-0.398 χ^2/NDF: 345.9/24

Left Out: 14.740+/-0.229 χ^2/NDF:331.0/23

Right Out: 18.282+/-0.395 χ^2/NDF: 278.5/29

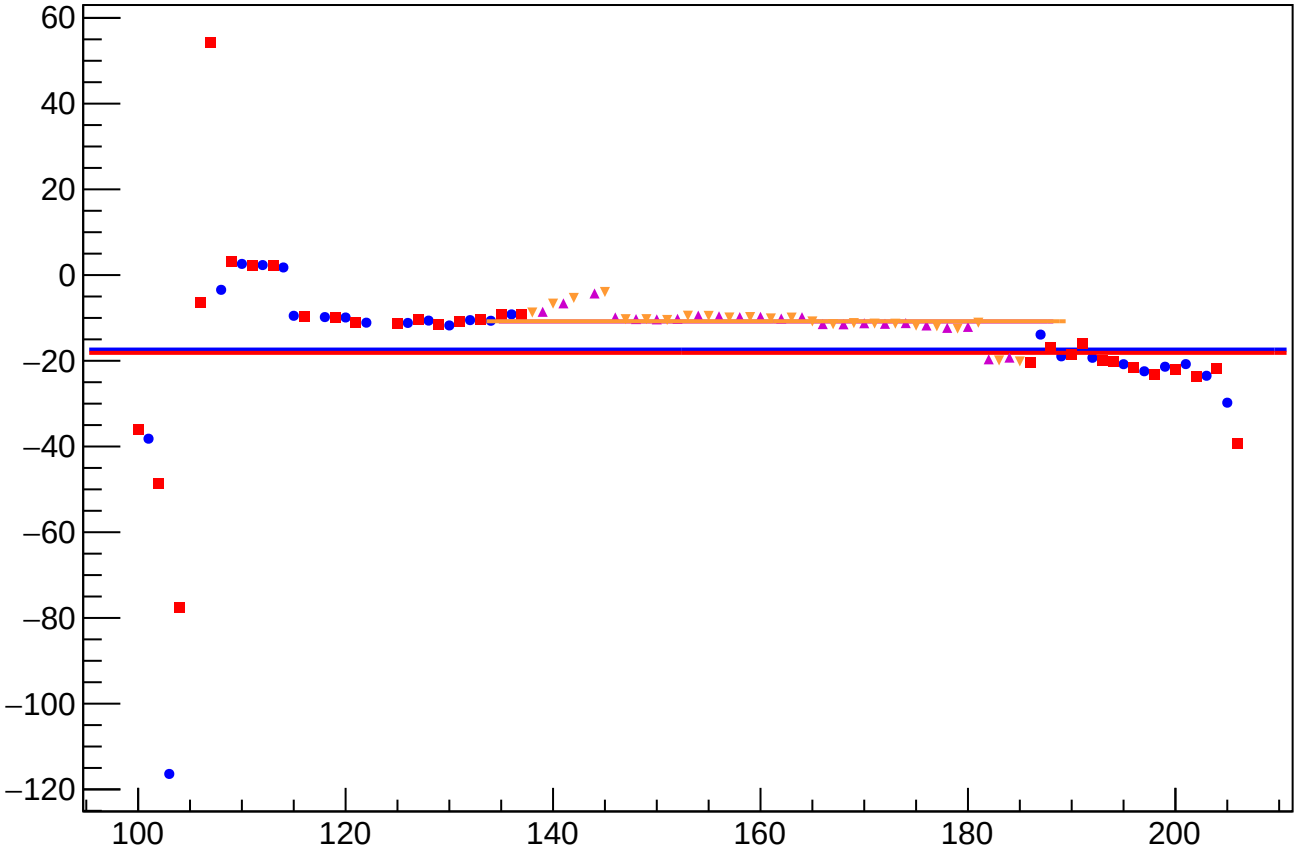
Left In: 15.444+/-0.233 χ^2/NDF:290.4/22

+ sign 15.659+/-0.199 χ^2/NDF: 741.3/48

All: 15.915+/-0.141 χ^2/NDF: 1351.7/101

- sign 16.176+/-0.201 χ^2/NDF: 607.1/52

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs Slug



Right In: -17.378+/-0.020 χ^2/NDF: 399197.0/24

Left Out: -10.778+/-0.010 χ^2/NDF:84755.9/23

Right Out: -18.148+/-0.019 χ^2/NDF: 432290.4/29

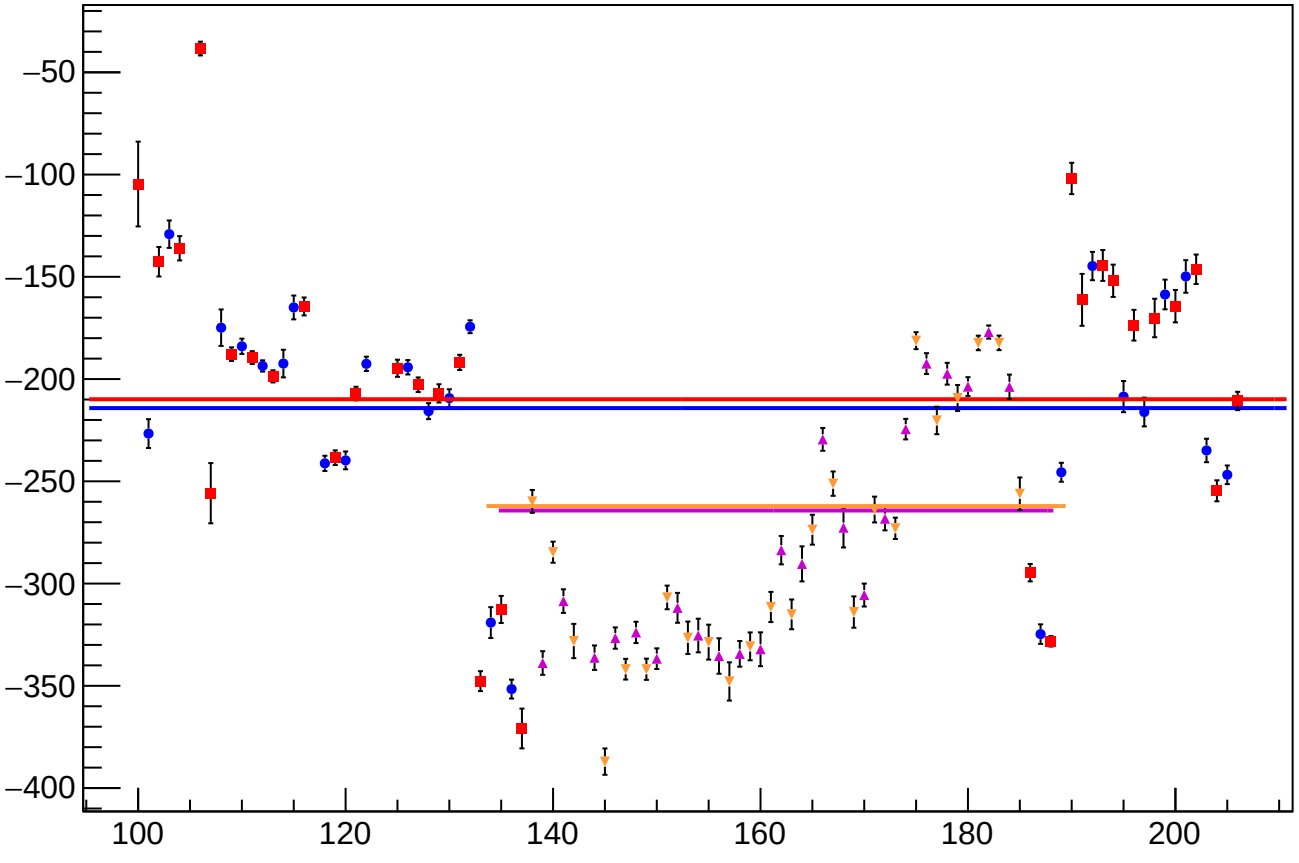
Left In: -10.834+/-0.010 χ^2/NDF:74113.9/22

+ sign -12.178+/-0.009 χ^2/NDF: 571279.8/48

All: -12.328+/-0.006 χ^2/NDF: 1191230.7/101

- sign -12.477+/-0.009 χ^2/NDF: 619409.3/52

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs Slug



Right In: -214.197+/-0.936 χ^2/NDF: 2649.9/24

Left Out: -262.110+/-1.179 χ^2/NDF:2964.6/23

Right Out: -209.865+/-0.839 χ^2/NDF: 7620.0/29

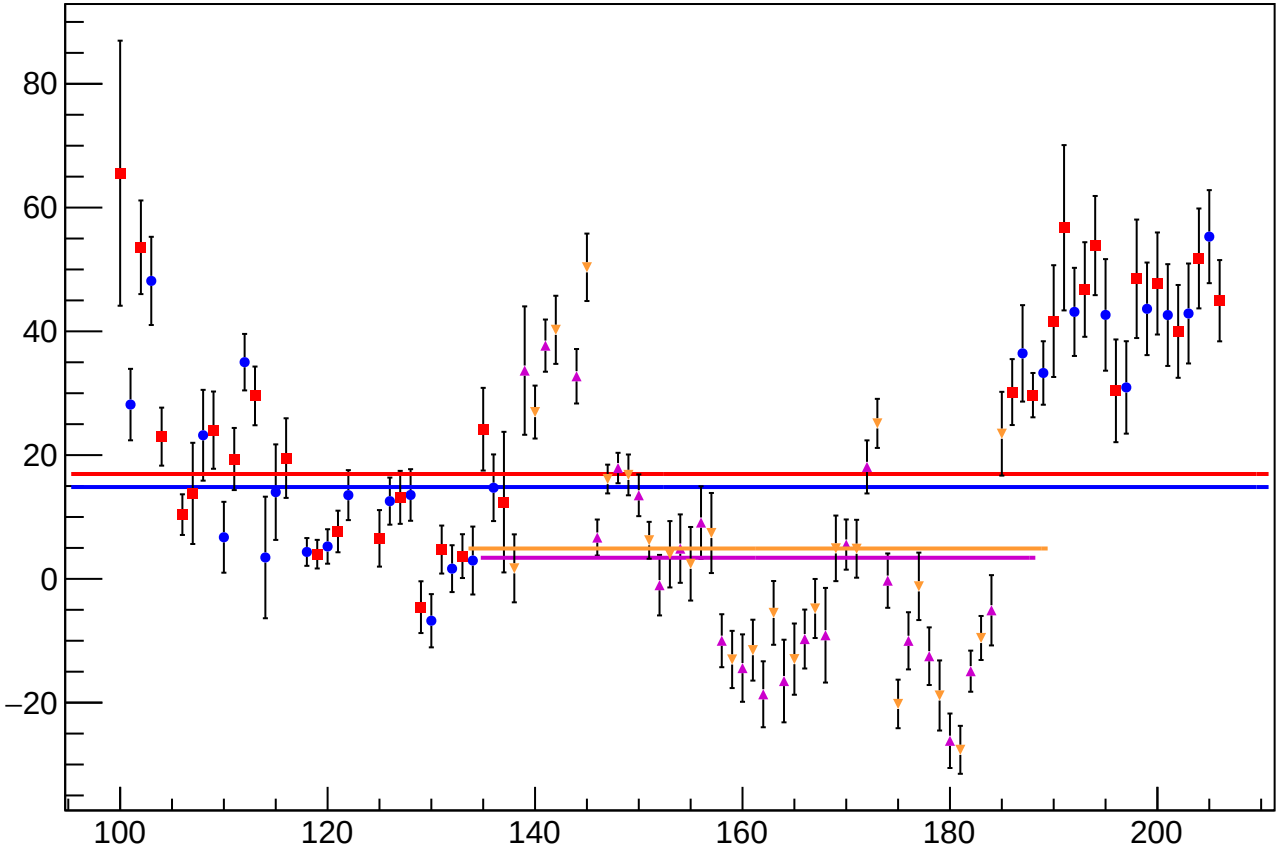
Left In: -264.272+/-1.186 χ^2/NDF:2741.9/22

+ sign -232.716+/-0.733 χ^2/NDF: 6627.1/48

All: -230.214+/-0.501 χ^2/NDF: 18413.5/101

- sign -228.030+/-0.685 χ^2/NDF: 11764.6/52

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs Slug



Right In: 14.839+/-0.975 χ^2/NDF: 245.6/24

Left Out: 4.909+/-0.886 χ^2/NDF:398.9/23

Right Out: 16.948+/-0.921 χ^2/NDF: 285.2/29

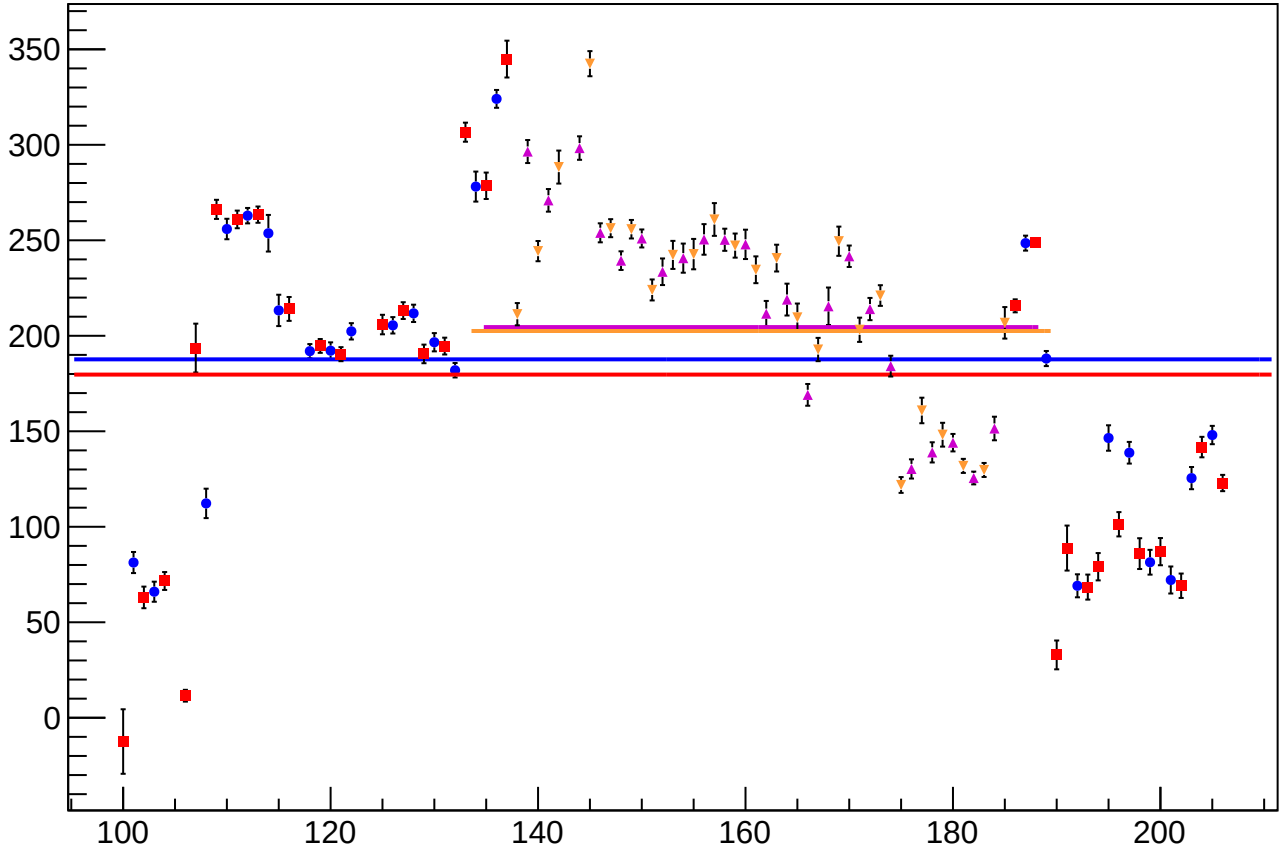
Left In: 3.409+/-0.901 χ^2/NDF:333.3/22

+ sign 9.399+/-0.656 χ^2/NDF: 701.3/48

All: 9.719+/-0.460 χ^2/NDF: 1430.7/101

- sign 10.027+/-0.644 χ^2/NDF: 729.0/52

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs Slug



Right In: 187.663+/-1.004 χ^2/NDF: 4076.0/24

Left Out: 202.511+/-1.173 χ^2/NDF:2393.5/23

Right Out: 179.685+/-0.868 χ^2/NDF: 9487.6/29

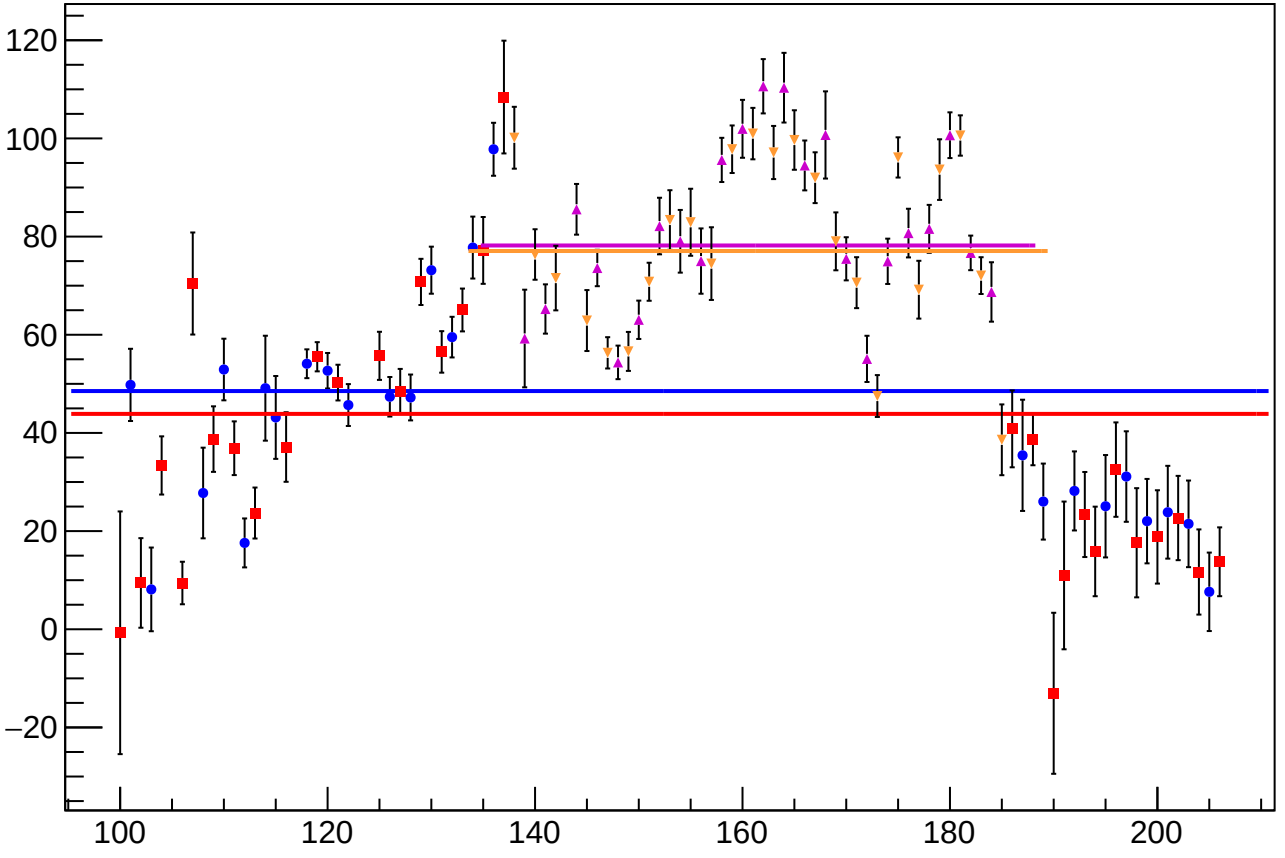
Left In: 204.560+/-1.177 χ^2/NDF:2285.7/22

+ sign 193.941+/-0.763 χ^2/NDF: 6562.0/48

All: 190.951+/-0.515 χ^2/NDF: 18652.9/101

- sign 188.443+/-0.698 χ^2/NDF: 12062.6/52

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs Slug



Right In: 48.531+/-1.145 χ^2/NDF: 287.4/24

Left Out: 77.061+/-1.015 χ^2/NDF:311.3/23

Right Out: 43.879+/-1.091 χ^2/NDF: 339.8/29

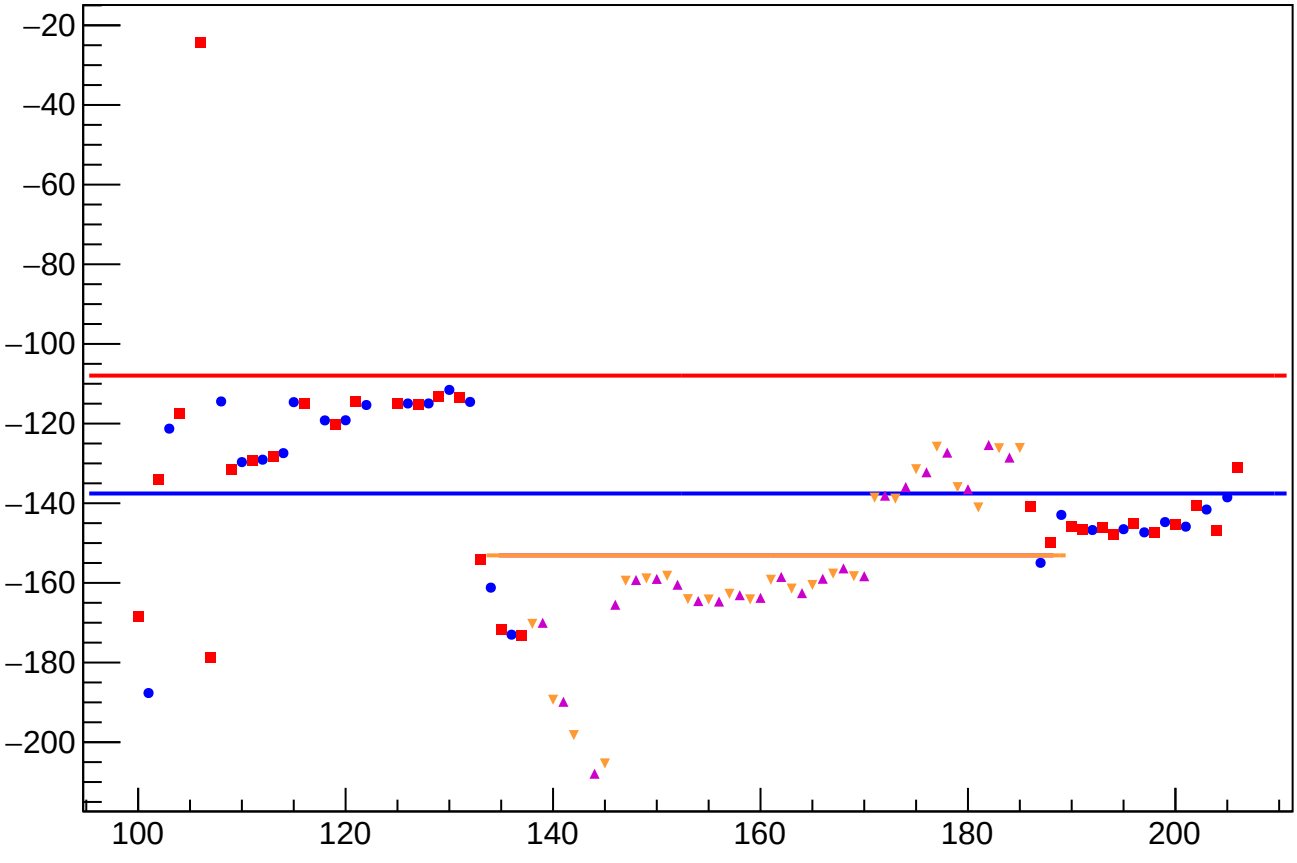
Left In: 78.189+/-1.026 χ^2/NDF:232.5/22

+ sign 64.503+/-0.760 χ^2/NDF: 946.3/48

All: 63.275+/-0.533 χ^2/NDF: 2049.0/101

- sign 62.087+/-0.747 χ^2/NDF: 1097.5/52

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs Slug



Right In: -137.555+/-0.064 χ^2/NDF: 102975.2/24

Left Out: -153.090+/-0.047 χ^2/NDF:177552.0/23

Right Out: -107.951+/-0.052 χ^2/NDF: 985520.7/29

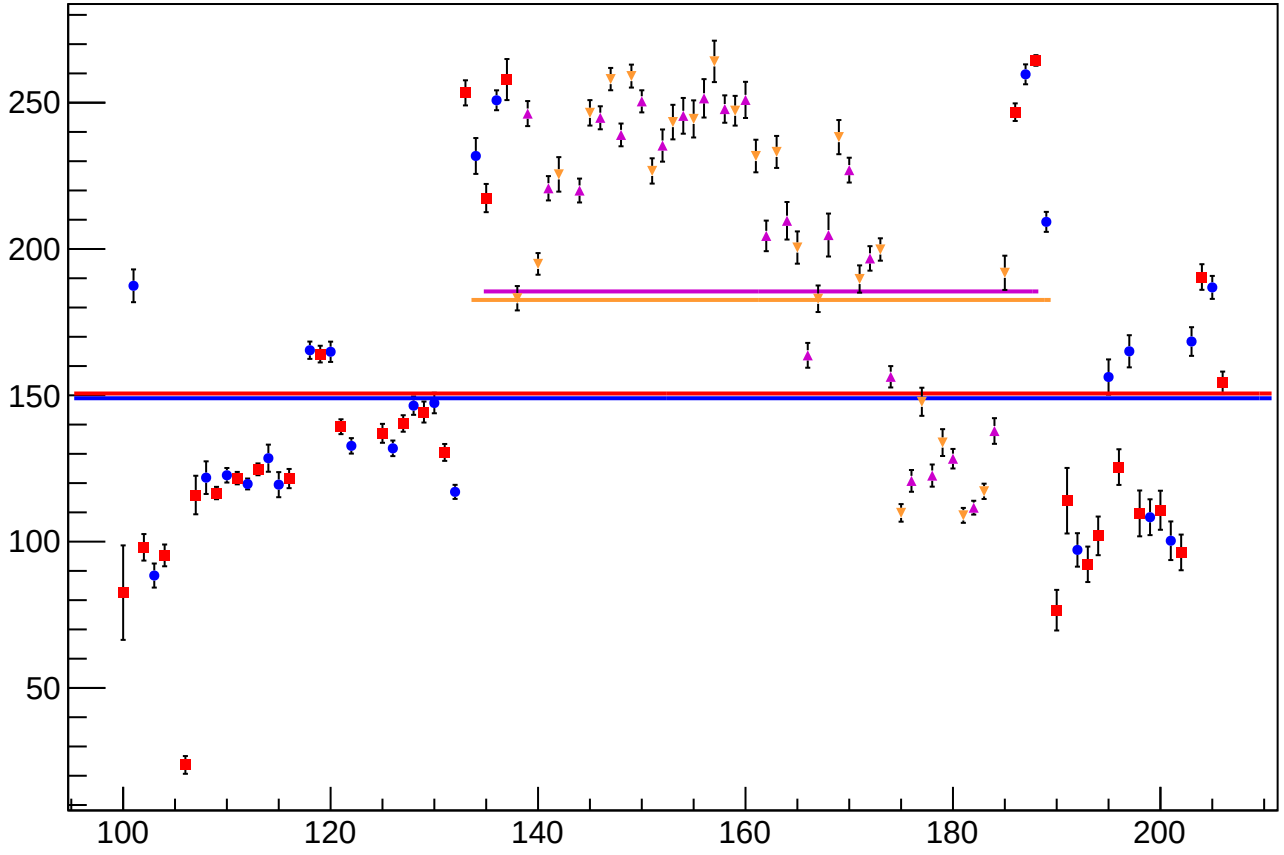
Left In: -153.103+/-0.047 χ^2/NDF:166644.2/22

+ sign -147.631+/-0.038 χ^2/NDF: 319056.3/48

All: -139.688+/-0.026 χ^2/NDF: 1970503.3/10

- sign -132.981+/-0.035 χ^2/NDF: 1569944.1/52

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs Slug



Right In: 148.993+/-0.699 χ^2/NDF: 3769.2/24

Left Out: 182.591+/-0.866 χ^2/NDF:4152.3/23

Right Out: 150.620+/-0.625 χ^2/NDF: 9454.9/29

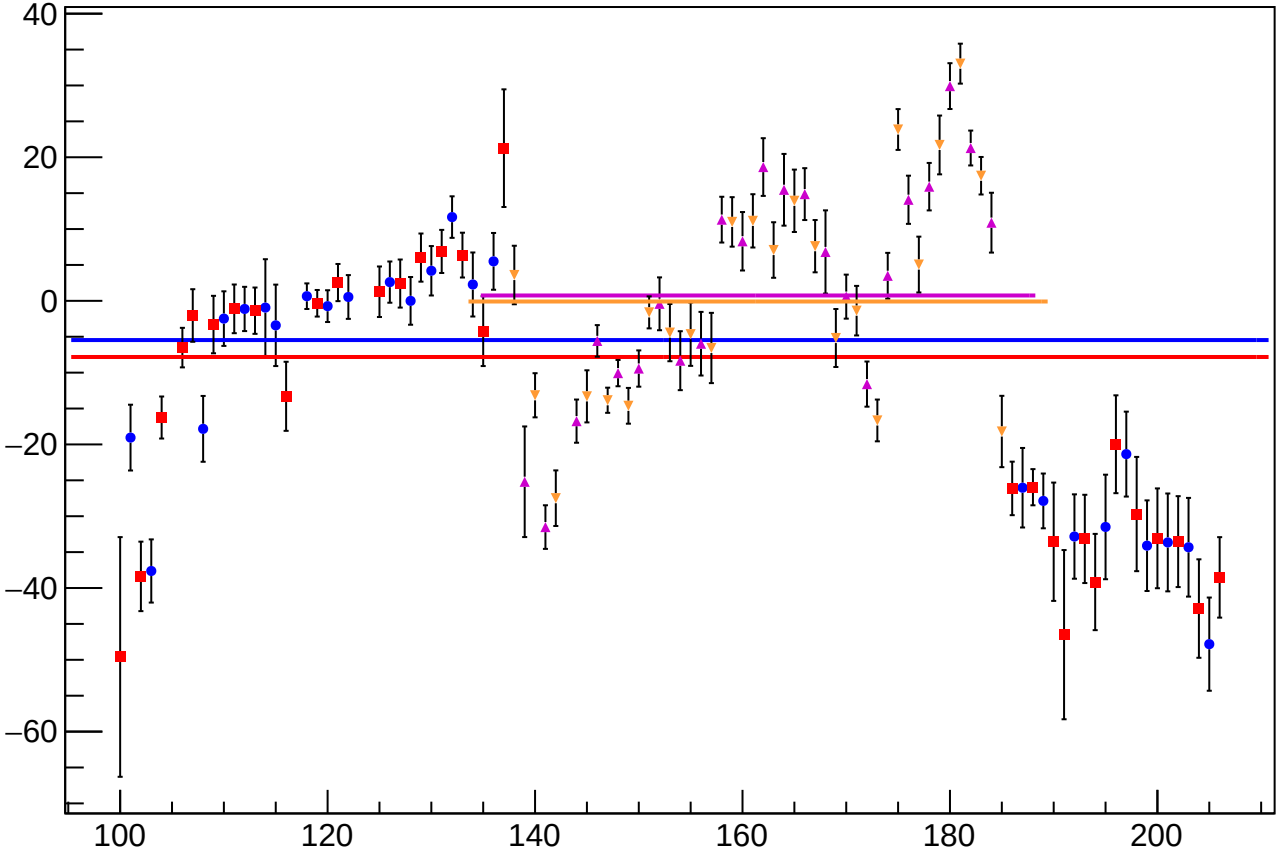
Left In: 185.497+/-0.872 χ^2/NDF:3822.2/22

\+ sign 162.259+/-0.544 χ^2/NDF: 8832.5/48

All: 162.357+/-0.371 χ^2/NDF: 23166.2/101

\- sign 162.442+/-0.508 χ^2/NDF: 14333.6/52

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs Slug



Right In: -5.463+/-0.745 χ^2/NDF: 344.9/24

Left Out: -0.092+/-0.655 χ^2/NDF:555.3/23

Right Out: -7.821+/-0.696 χ^2/NDF: 422.7/29

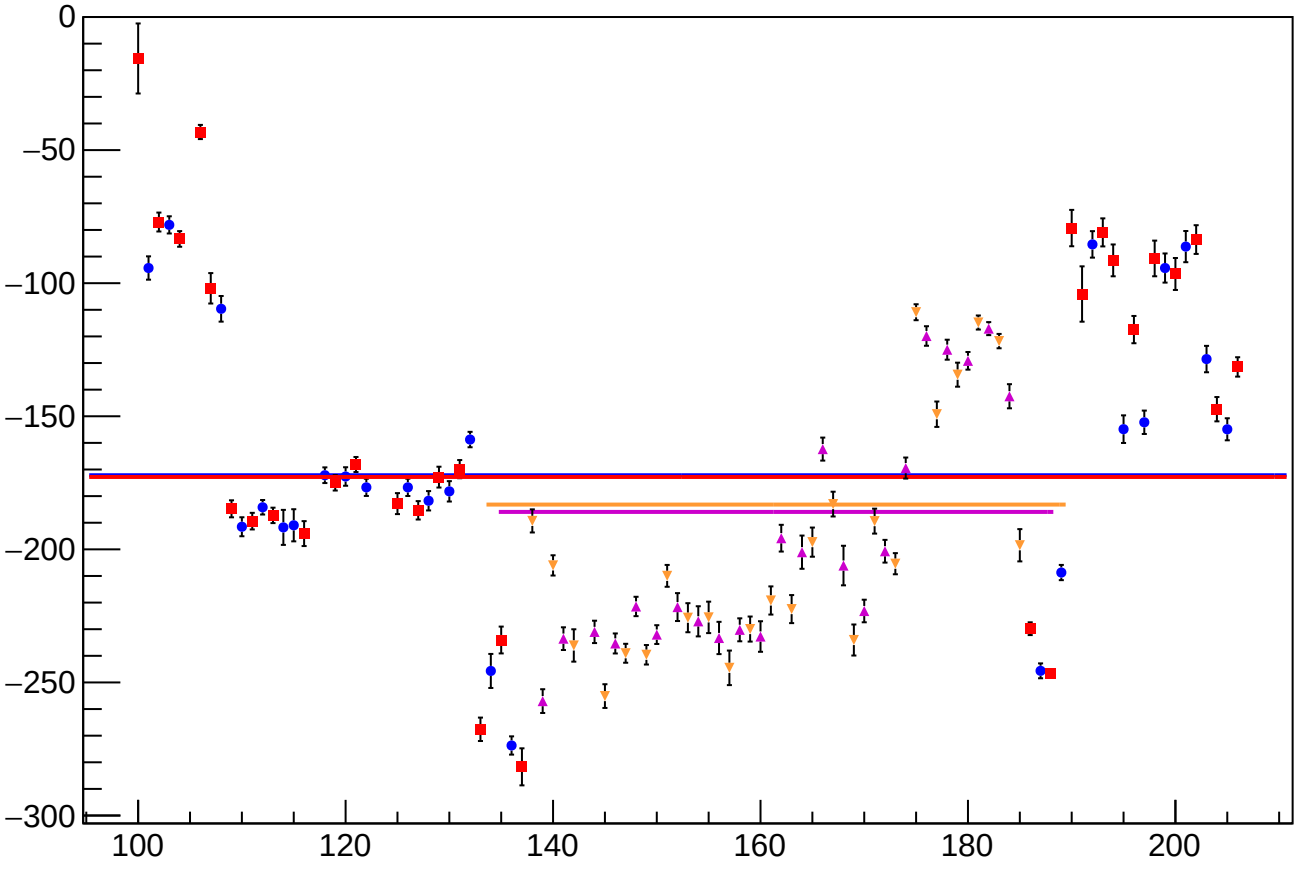
Left In: 0.747+/-0.665 χ^2/NDF:497.8/22

+ sign -2.431+/-0.492 χ^2/NDF: 929.5/48

All: -2.898+/-0.344 χ^2/NDF: 1931.0/101

- sign -3.344+/-0.481 χ^2/NDF: 999.7/52

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs Slug



Right In: -172.160+/-0.754 χ^2/NDF: 4144.0/24

Left Out: -183.175+/-0.862 χ^2/NDF:3361.2/23

Right Out: -172.800+/-0.648 χ^2/NDF: 9995.6/29

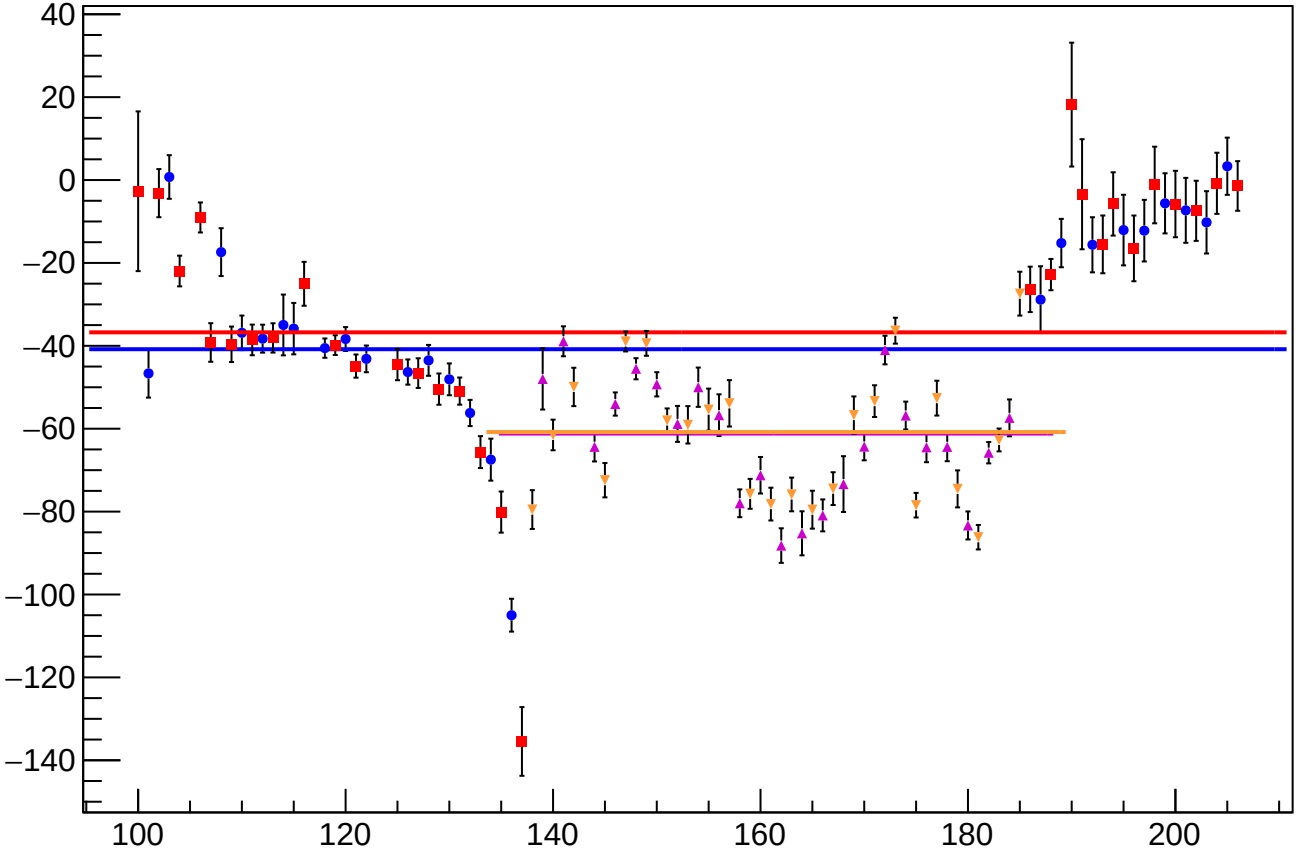
Left In: -185.936+/-0.867 χ^2/NDF:3181.6/22

+ sign -176.936+/-0.568 χ^2/NDF: 7597.6/48

All: -177.249+/-0.383 χ^2/NDF: 20922.5/101

- sign -177.511+/-0.519 χ^2/NDF: 13324.4/52

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs Slug



Right In: -40.818+/-0.873 χ^2/NDF: 566.3/24

Left Out: -60.801+/-0.749 χ^2/NDF:474.0/23

Right Out: -36.747+/-0.825 χ^2/NDF: 619.4/29

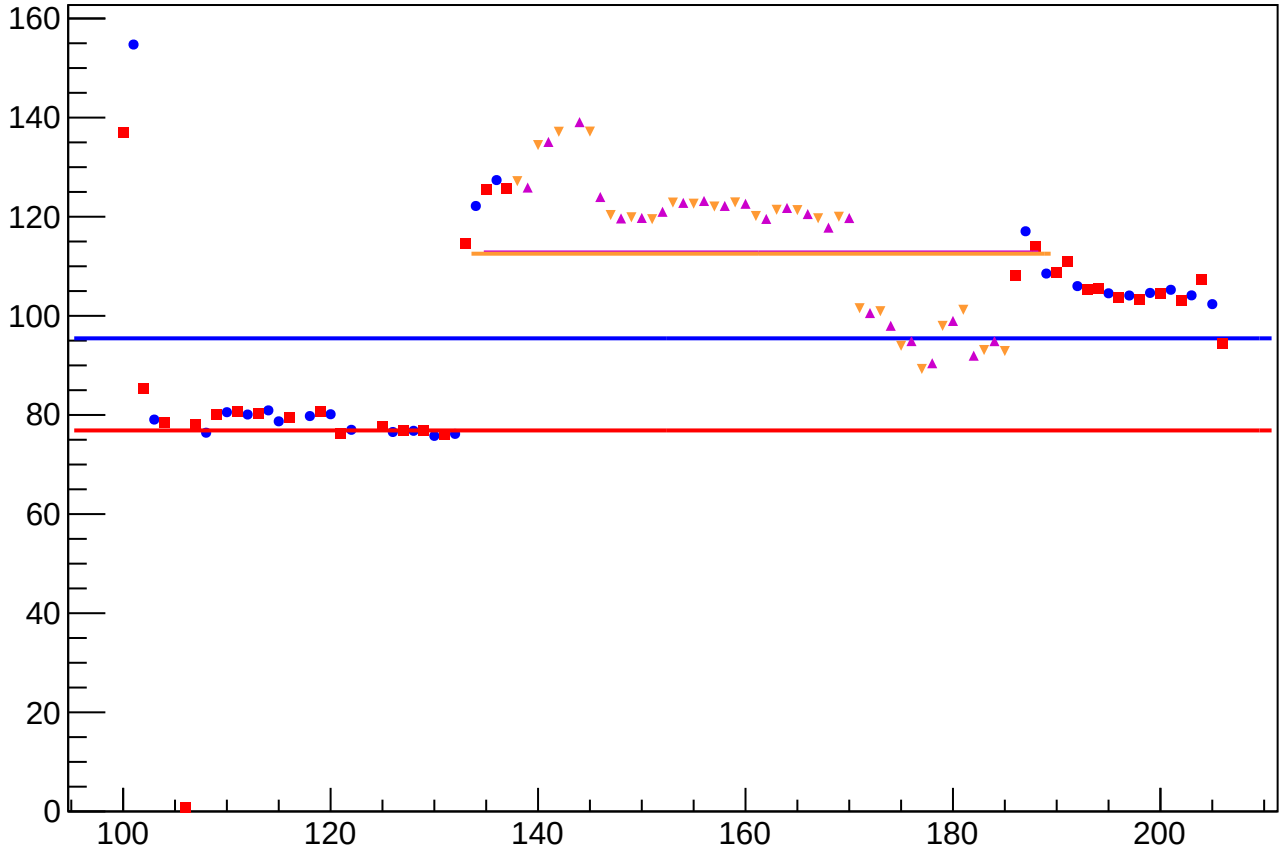
Left In: -61.172+/-0.757 χ^2/NDF:316.9/22

+ sign -52.334+/-0.569 χ^2/NDF: 1342.0/48

All: -51.150+/-0.398 χ^2/NDF: 2762.8/101

- sign -50.010+/-0.558 χ^2/NDF: 1412.3/52

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs Slug



Right In: 95.463+/-0.048 χ^2/NDF: 182627.2/24

Left Out: 112.539+/-0.035 χ^2/NDF:174512.4/23

Right Out: 76.878+/-0.041 χ^2/NDF: 883161.0/29

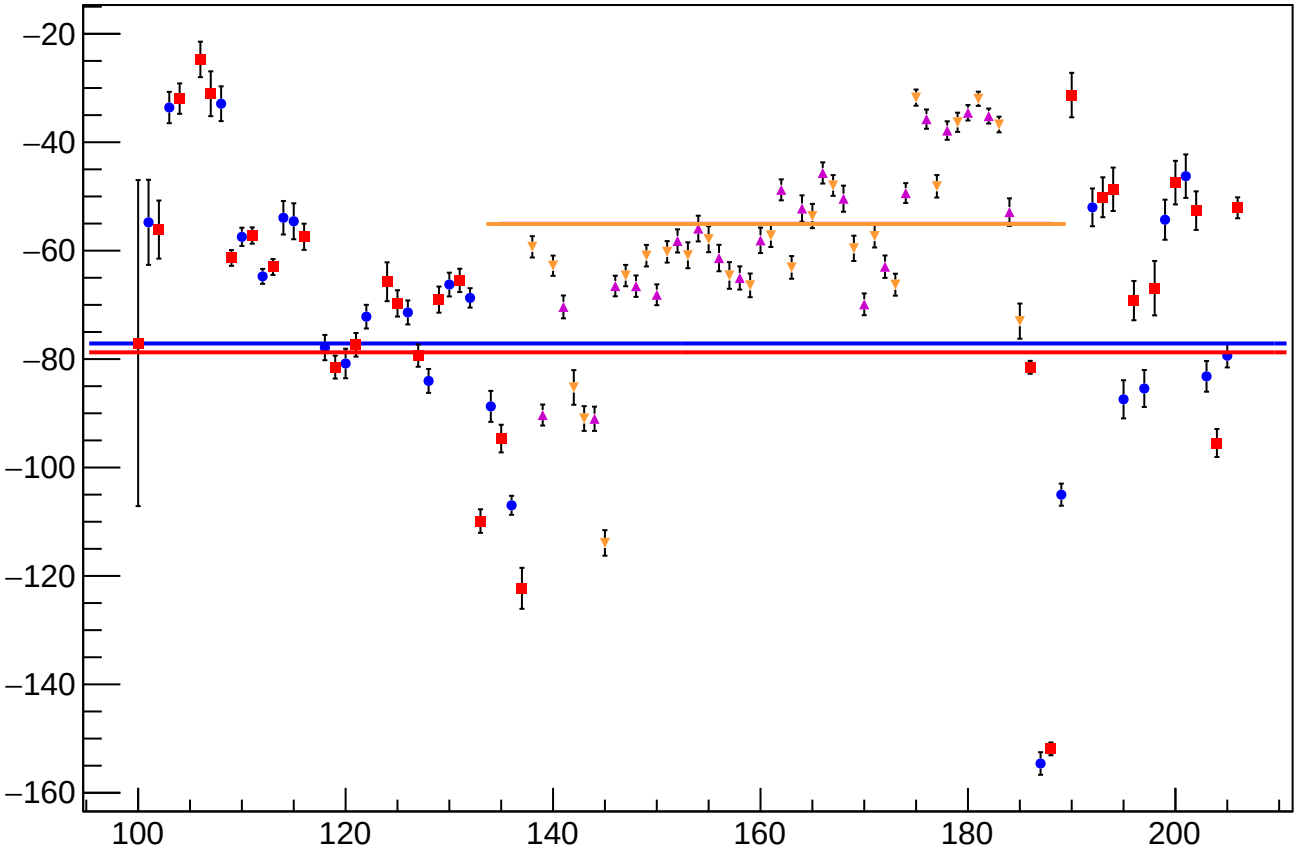
Left In: 112.795+/-0.034 χ^2/NDF:171662.8/22

+ sign 106.740+/-0.028 χ^2/NDF: 439943.8/48

All: 102.037+/-0.019 χ^2/NDF: 1998461.9/101

- sign 97.905+/-0.026 χ^2/NDF: 1505913.0/52

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs Slug



Right In: -77.122+/-0.476 χ^2/NDF: 2862.4/24

Left Out: -55.077+/-0.401 χ^2/NDF:2002.8/24

Right Out: -78.754+/-0.411 χ^2/NDF: 6163.0/29

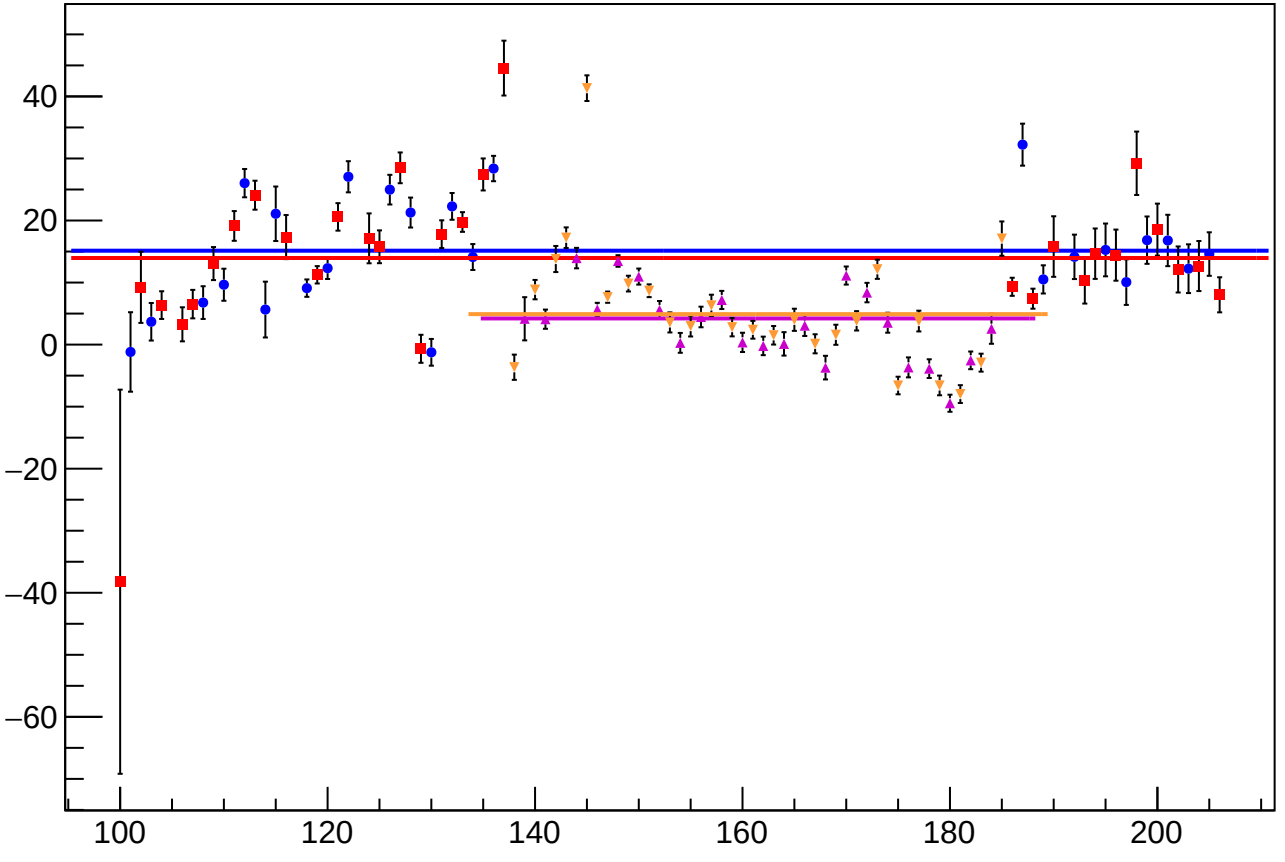
Left In: -55.050+/-0.410 χ^2/NDF:1541.8/22

+ sign -64.208+/-0.307 χ^2/NDF: 6119.9/49

All: -65.612+/-0.211 χ^2/NDF: 15528.0/102

- sign -66.874+/-0.291 χ^2/NDF: 9368.3/52

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs Slug



Right In: 15.136+/-0.518 χ^2/NDF: 275.0/24

Left Out: 4.910+/-0.301 χ^2/NDF:741.5/24

Right Out: 13.957+/-0.464 χ^2/NDF: 289.5/29

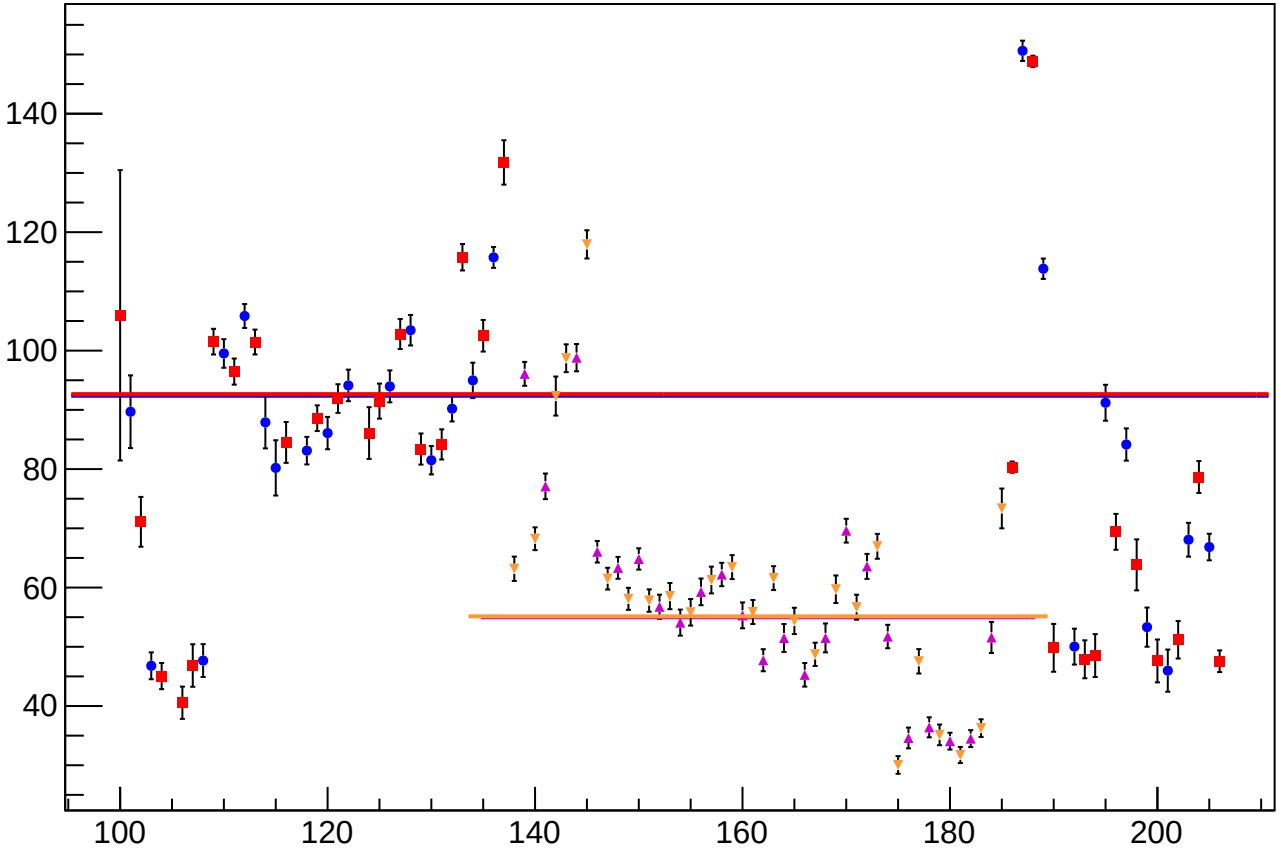
Left In: 4.215+/-0.312 χ^2/NDF:415.1/22

+ sign 7.495+/-0.261 χ^2/NDF: 1307.6/49

All: 7.375+/-0.184 χ^2/NDF: 2316.2/102

- sign 7.256+/-0.259 χ^2/NDF: 1008.2/52

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs Slug



Right In: 92.384+/-0.502 χ^2/NDF: 2994.5/24

Left Out: 55.142+/-0.397 χ^2/NDF:2242.4/24

Right Out: 92.657+/-0.413 χ^2/NDF: 6532.9/29

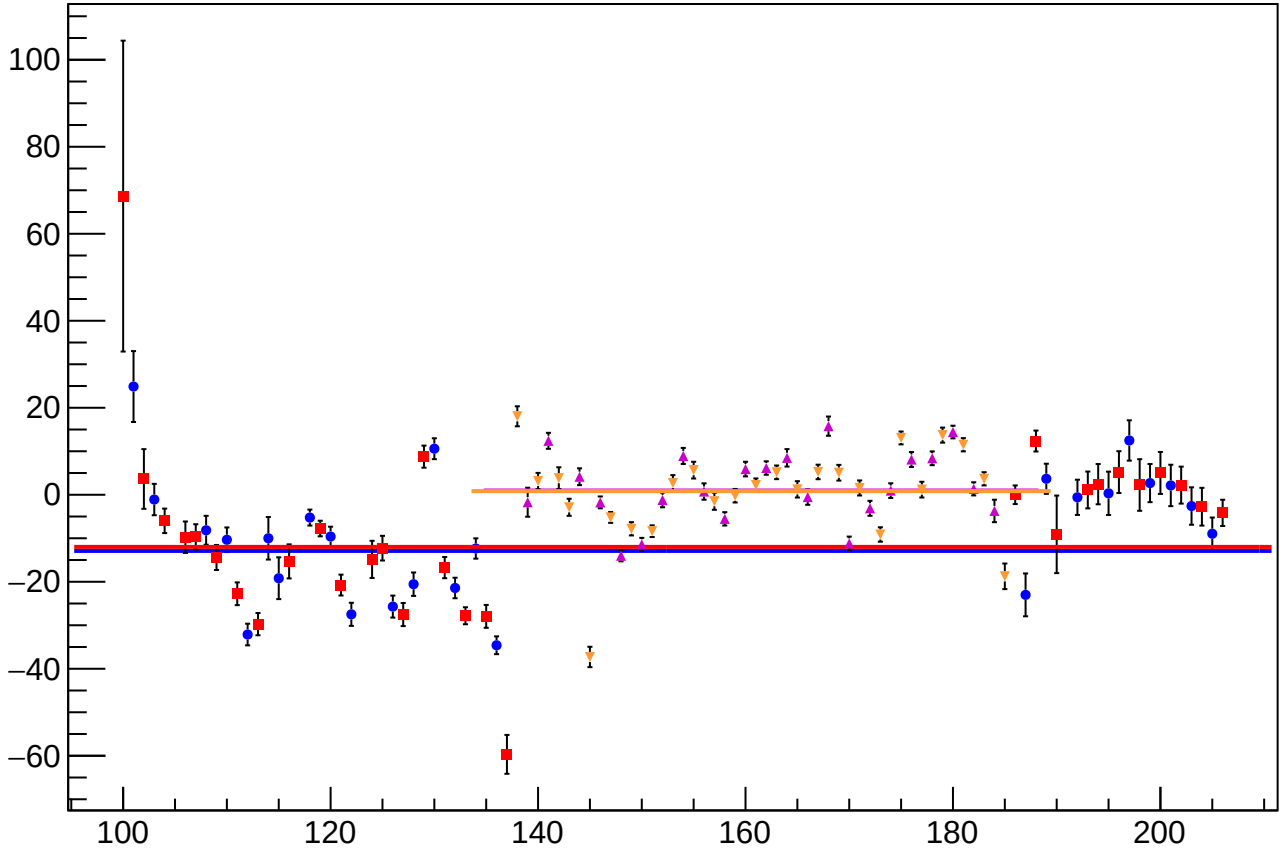
Left In: 54.972+/-0.406 χ^2/NDF:1780.5/22

+ sign 69.451+/-0.311 χ^2/NDF: 8619.5/49

All: 71.610+/-0.212 χ^2/NDF: 21261.1/102

- sign 73.474+/-0.289 χ^2/NDF: 12552.1/52

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs Slug



Right In: -12.908+/-0.603 χ^2/NDF: 504.1/24

Left Out: 0.840+/-0.343 χ^2/NDF:717.2/24

Right Out: -11.983+/-0.554 χ^2/NDF: 629.7/29

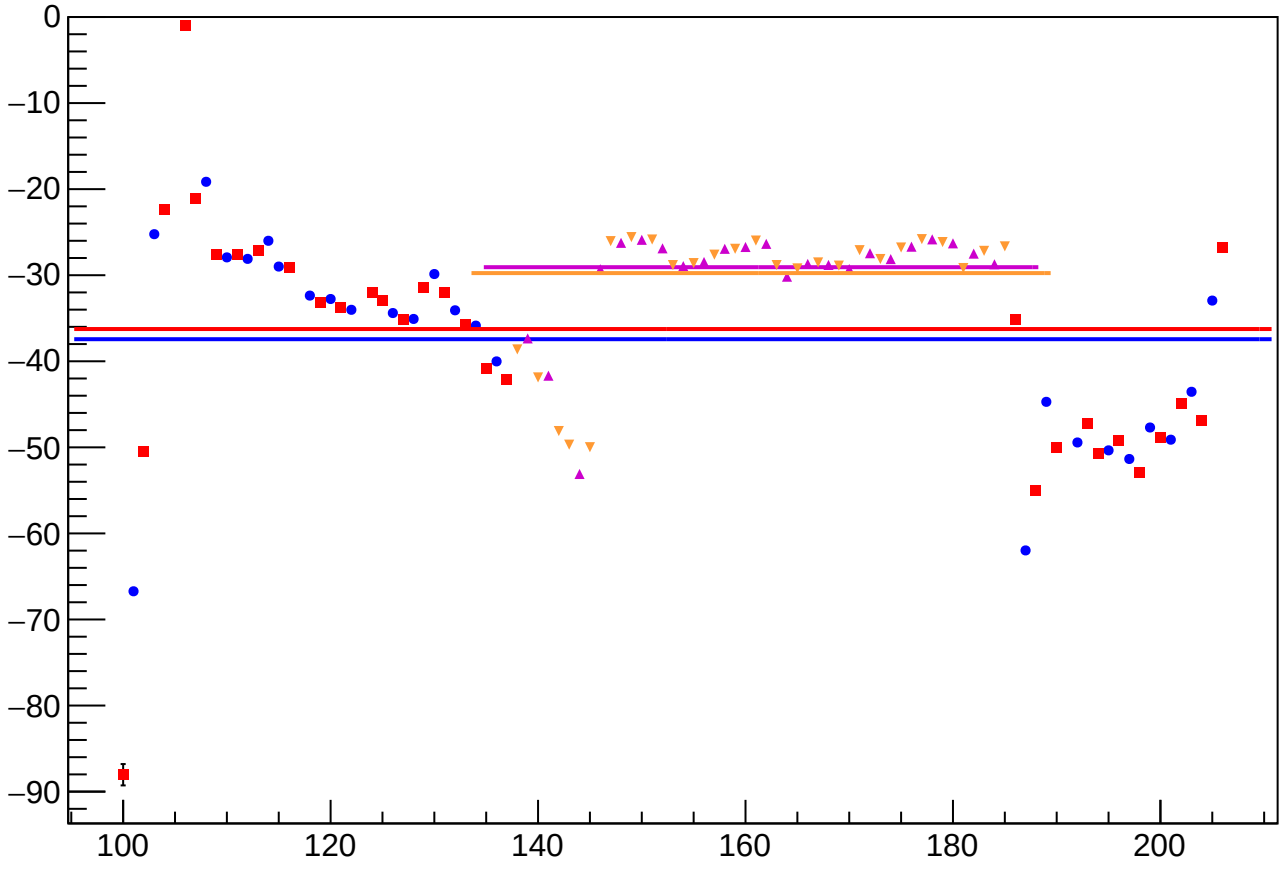
Left In: 0.980+/-0.353 χ^2/NDF:558.5/22

+ sign -2.521+/-0.298 χ^2/NDF: 1614.4/49

All: -2.643+/-0.211 χ^2/NDF: 3191.6/102

- sign -2.764+/-0.298 χ^2/NDF: 1576.9/52

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs Slug



Right In: -37.435+/-0.031 χ^2/NDF: 111725.4/24

Left Out: -29.754+/-0.016 χ^2/NDF:163552.5/24

Right Out: -36.253+/-0.029 χ^2/NDF: 212593.4/29

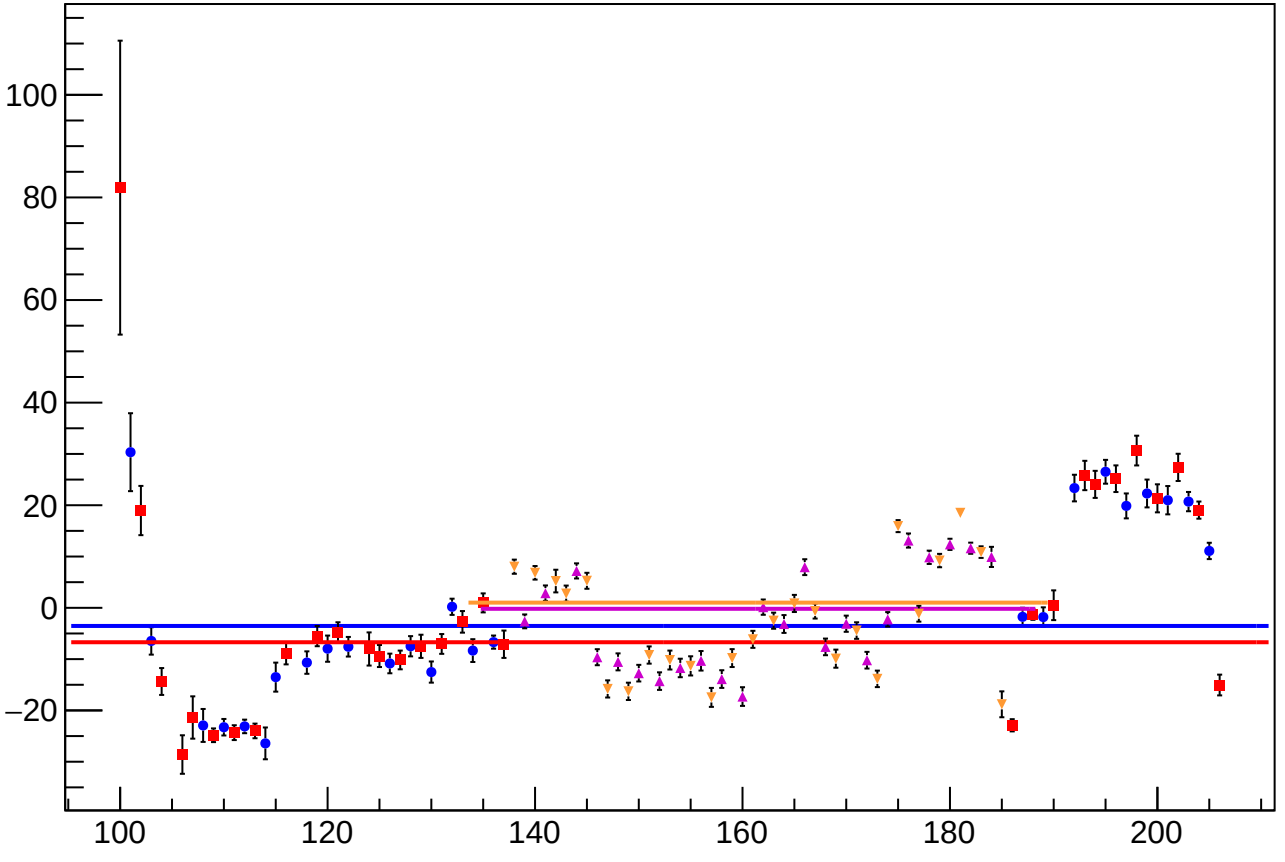
Left In: -29.067+/-0.016 χ^2/NDF:101545.6/22

+ sign -31.333+/-0.014 χ^2/NDF: 325280.2/49

All: -31.033+/-0.010 χ^2/NDF: 688368.1/102

- sign -30.734+/-0.014 χ^2/NDF: 362156.2/52

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs Slug



Right In: -3.533+/-0.405 χ^2/NDF: 1355.9/24

Left Out: 1.015+/-0.305 χ^2/NDF:1335.1/24

Right Out: -6.709+/-0.364 χ^2/NDF: 1928.0/29

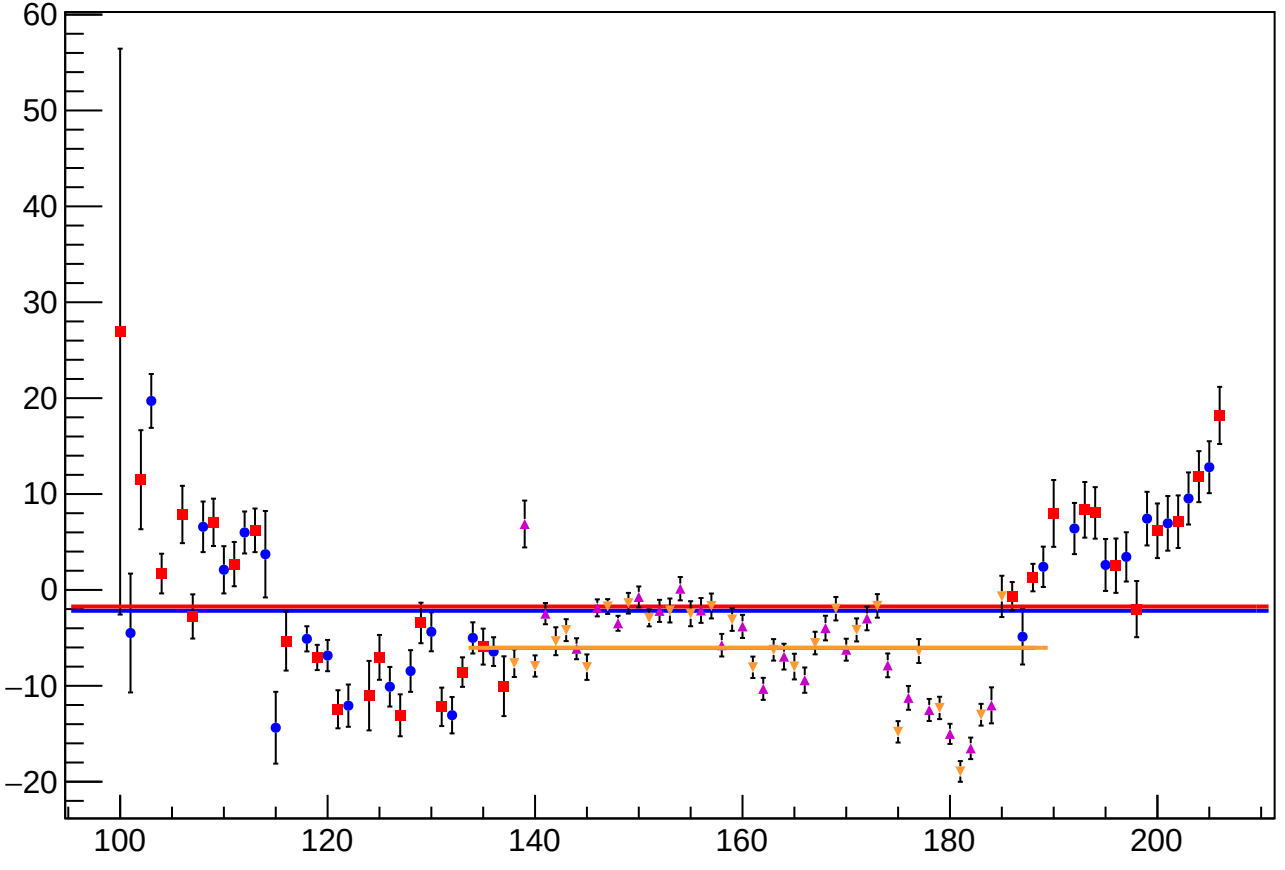
Left In: -0.192+/-0.315 χ^2/NDF:982.8/22

+ sign -0.629+/-0.244 χ^2/NDF: 2771.5/49

All: -1.829+/-0.170 χ^2/NDF: 5913.1/102

- sign -2.976+/-0.238 χ^2/NDF: 3094.2/52

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.175+/-0.446 χ^2/NDF: 297.7/24

Left Out: -6.035+/-0.233 χ^2/NDF:414.9/24

Right Out: -1.728+/-0.414 χ^2/NDF: 323.4/29

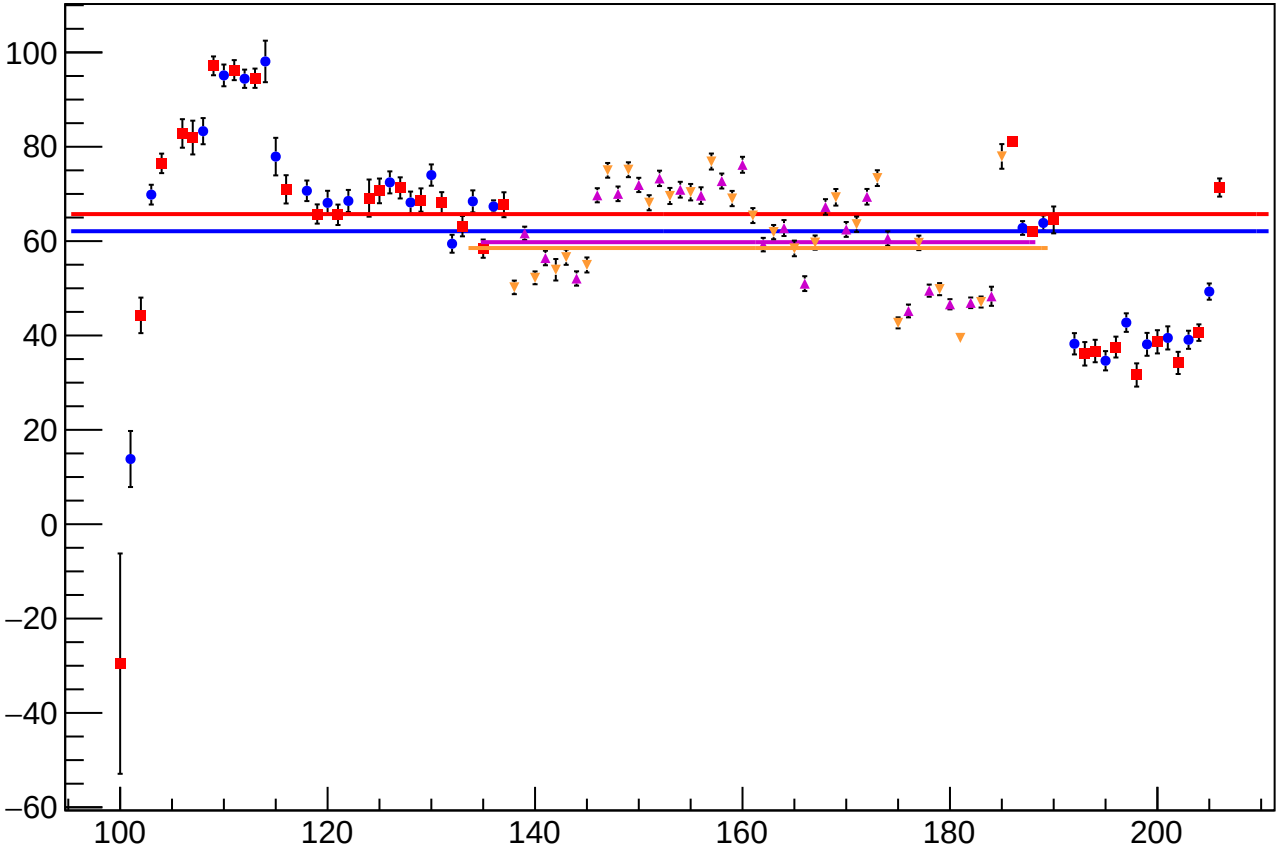
Left In: -6.043+/-0.243 χ^2/NDF:396.2/22

+ sign -5.205+/-0.207 χ^2/NDF: 771.5/49

All: -5.073+/-0.147 χ^2/NDF: 1572.8/102

- sign -4.939+/-0.209 χ^2/NDF: 800.5/52

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs Slug



Right In: 62.099+/-0.422 χ^2/NDF: 1586.2/24

Left Out: 58.535+/-0.303 χ^2/NDF:1449.2/24

Right Out: 65.728+/-0.365 χ^2/NDF: 2251.2/29

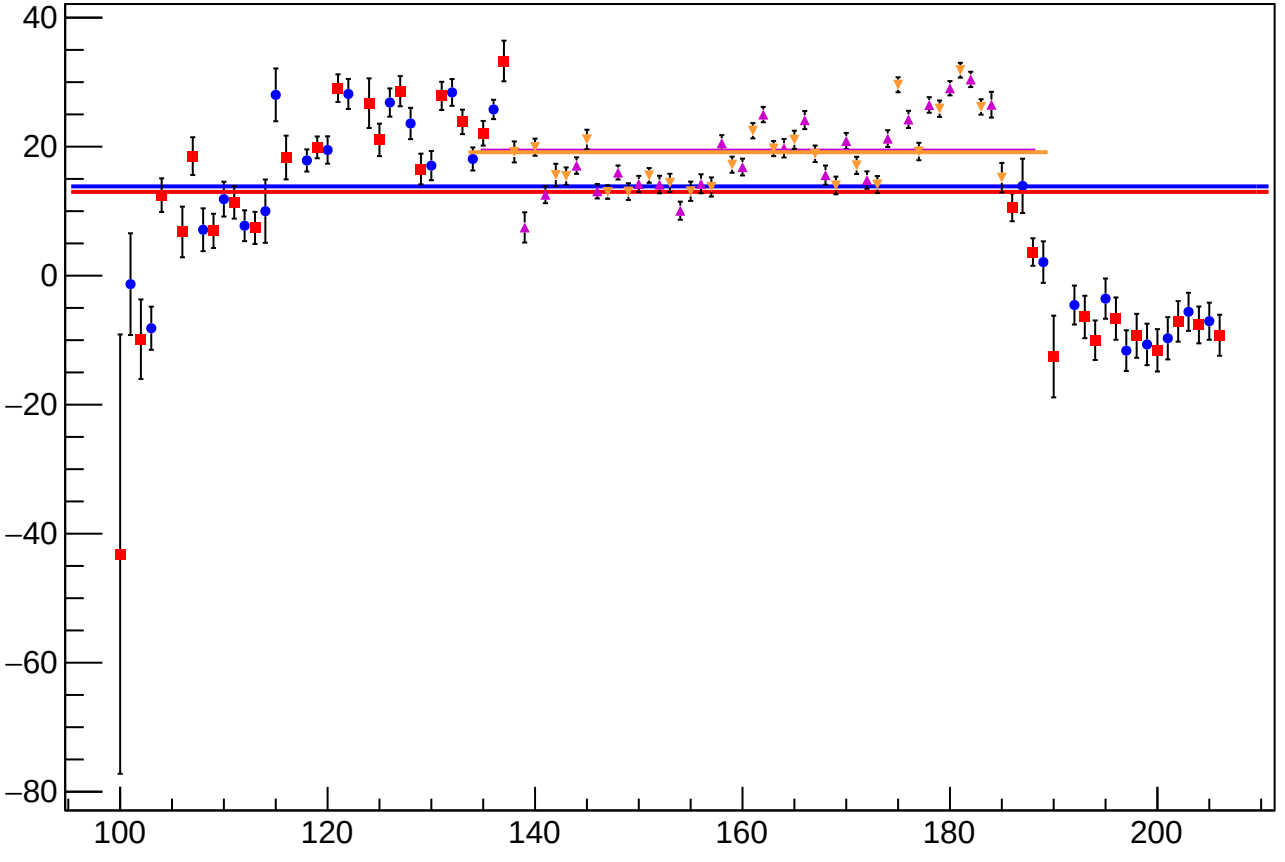
Left In: 59.777+/-0.312 χ^2/NDF:1070.5/22

+ sign 59.748+/-0.246 χ^2/NDF: 3082.5/49

All: 61.067+/-0.171 χ^2/NDF: 6613.5/102

- sign 62.289+/-0.237 χ^2/NDF: 3475.7/52

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs Slug



Right In: 13.840+/-0.512 χ^2/NDF: 645.3/24

Left Out: 19.138+/-0.264 χ^2/NDF:433.7/24

Right Out: 12.990+/-0.490 χ^2/NDF: 725.6/29

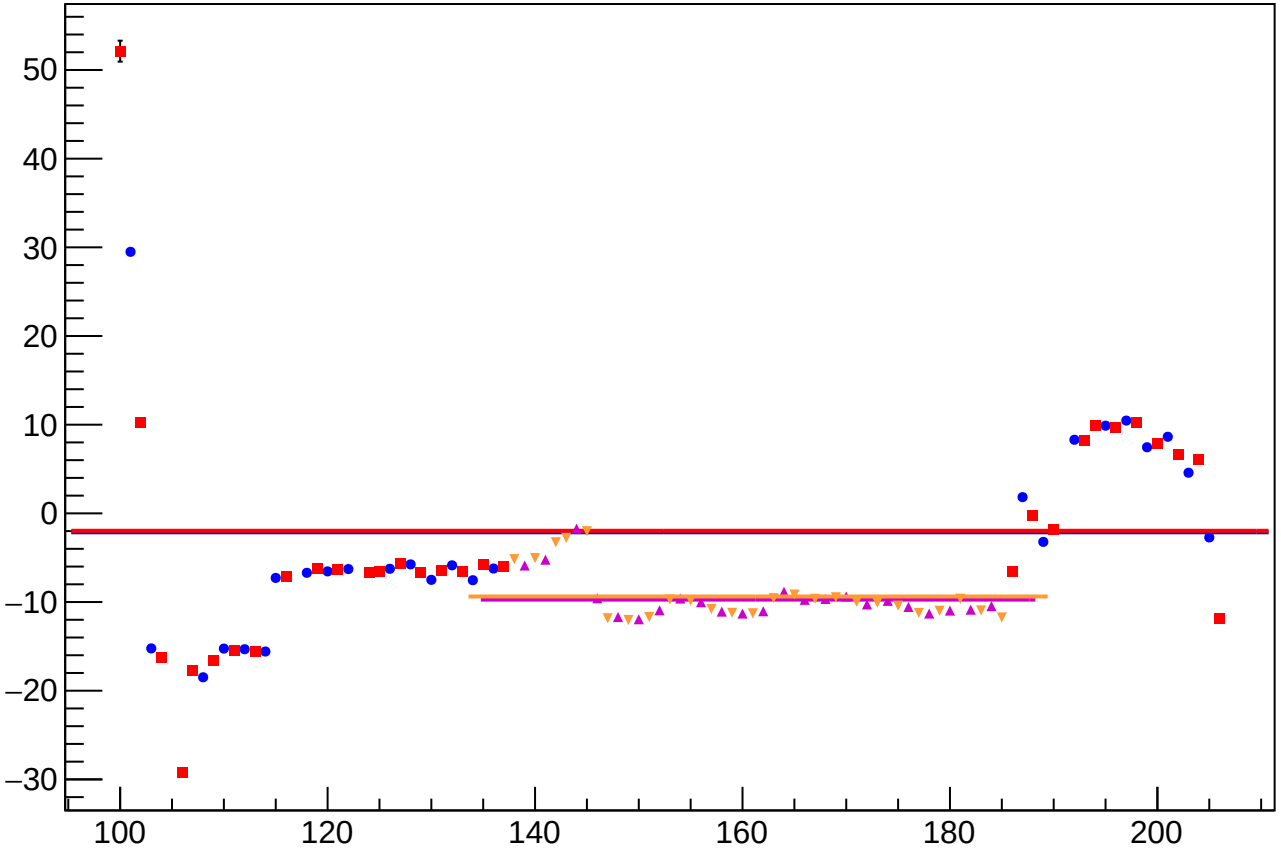
Left In: 19.390+/-0.274 χ^2/NDF:467.7/22

+ sign 18.026+/-0.235 χ^2/NDF: 1163.5/49

All: 17.948+/-0.167 χ^2/NDF: 2487.2/102

- sign 17.868+/-0.239 χ^2/NDF: 1323.5/52

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs Slug



Right In: -2.135+/-0.024 χ^2/NDF: 149287.9/24

Left Out: -9.375+/-0.012 χ^2/NDF:49934.3/24

Right Out: -1.964+/-0.024 χ^2/NDF: 193718.4/29

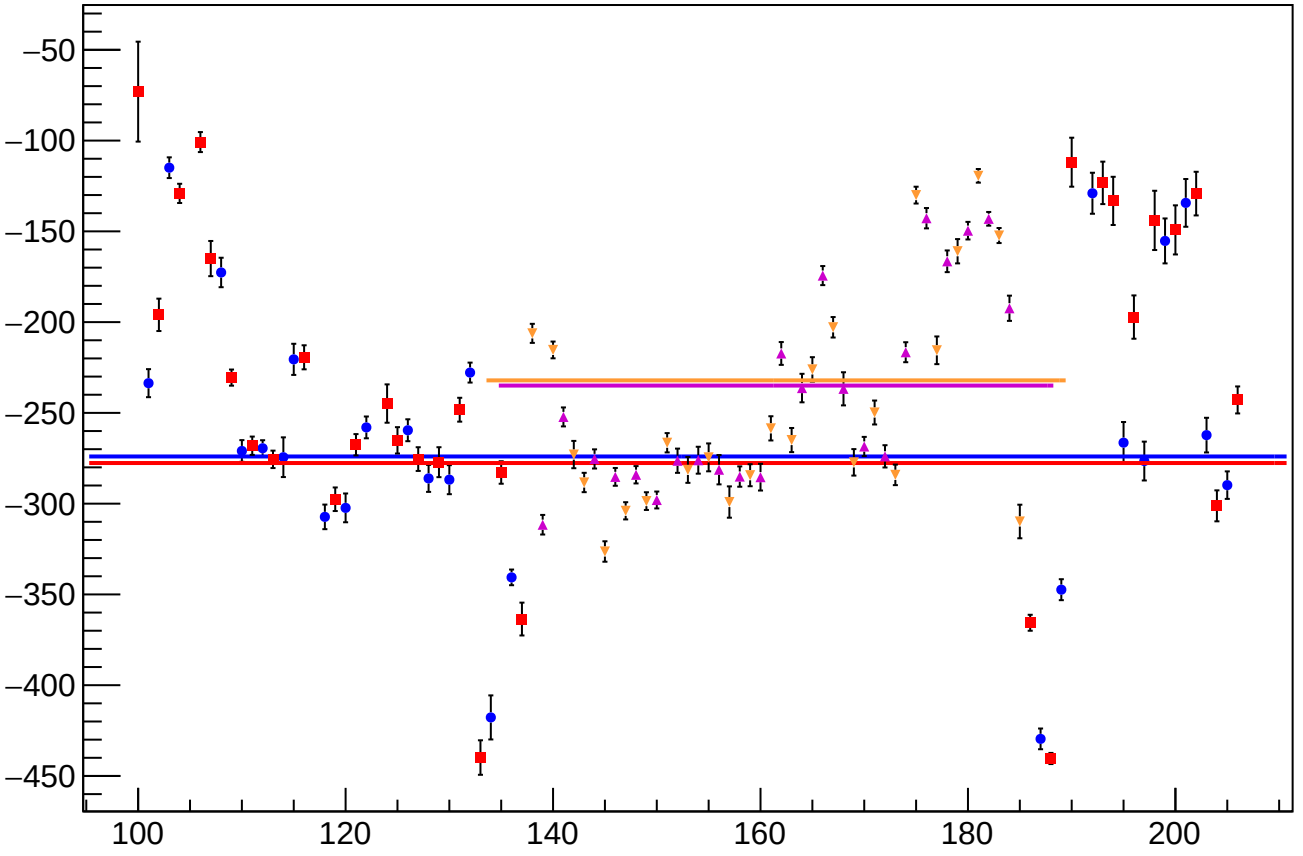
Left In: -9.726+/-0.012 χ^2/NDF:31951.7/22

+ sign -7.993+/-0.011 χ^2/NDF: 270074.7/49

All: -8.058+/-0.008 χ^2/NDF: 580557.0/102

- sign -8.124+/-0.011 χ^2/NDF: 310407.6/52

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs Slug



Right In: -274.009+/-1.401 χ^2/NDF: 2783.9/24

Left Out: -232.091+/-1.143 χ^2/NDF:3269.9/24

Right Out: -277.619+/-1.219 χ^2/NDF: 6757.9/29

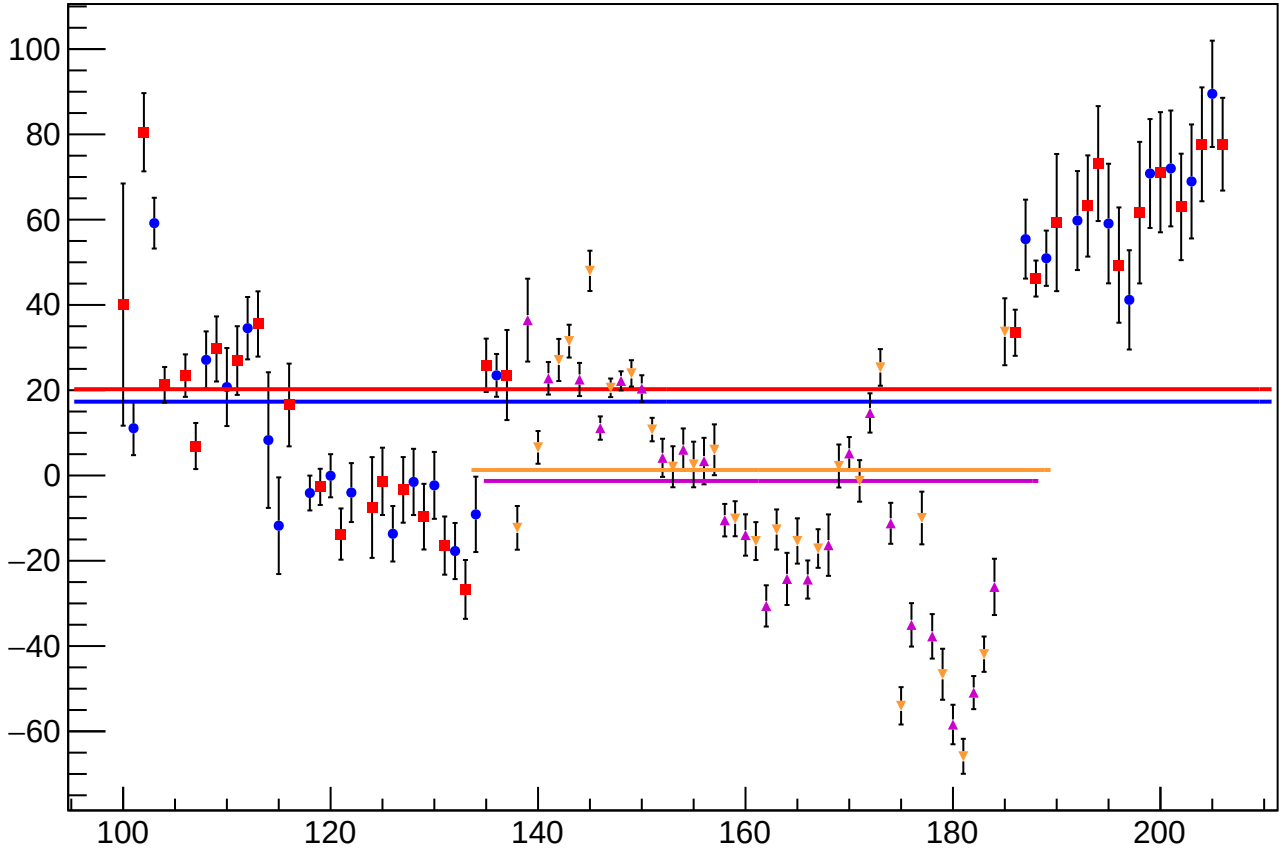
Left In: -234.951+/-1.176 χ^2/NDF:2470.2/22

+ sign -248.845+/-0.886 χ^2/NDF: 6591.4/49

All: -252.326+/-0.612 χ^2/NDF: 16483.5/102

- sign -255.505+/-0.846 χ^2/NDF: 9862.5/52

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs Slug



Right In: 17.314+/-1.492 χ^2/NDF: 340.2/24

Left Out: 1.295+/-0.837 χ^2/NDF:1049.5/24

Right Out: 20.240+/-1.332 χ^2/NDF: 391.5/29

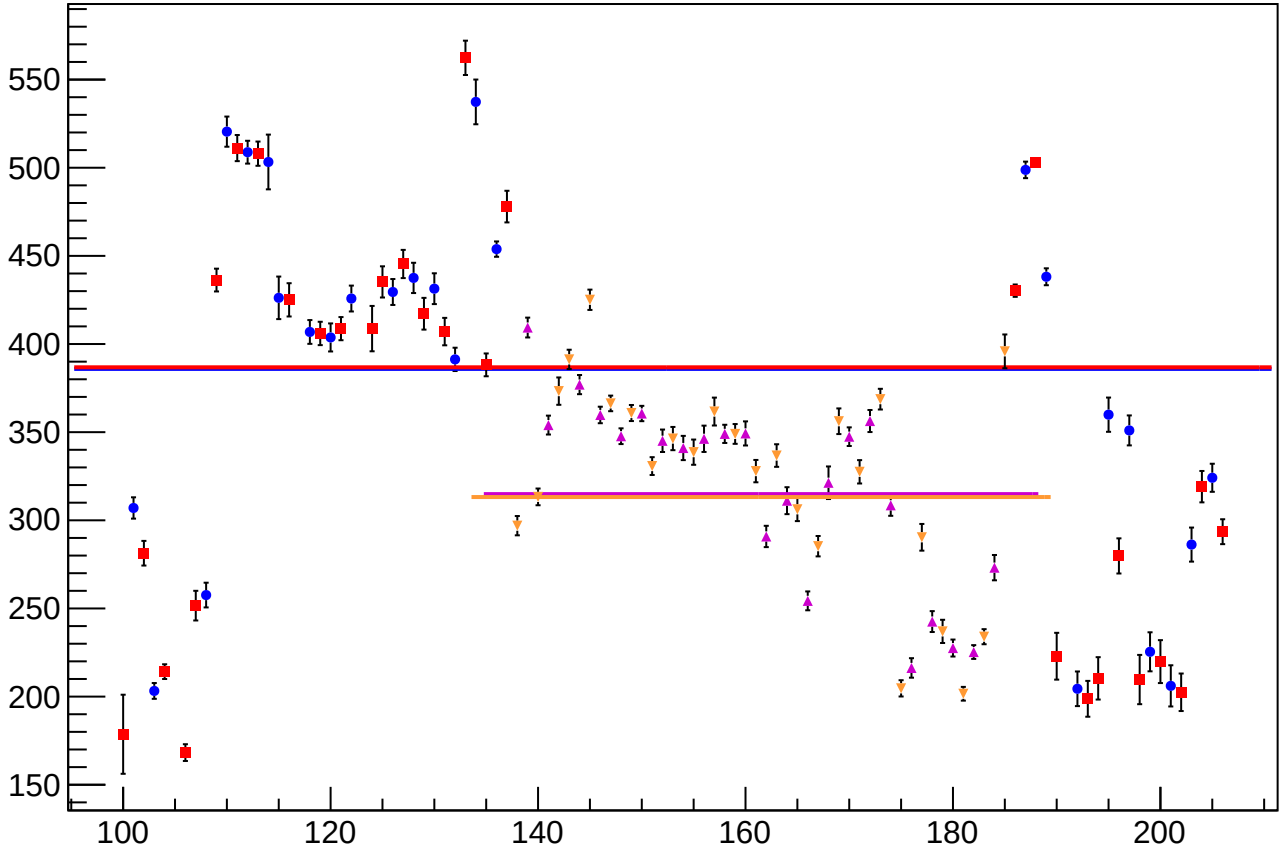
Left In: -1.280+/-0.869 χ^2/NDF:811.2/22

+ sign 5.127+/-0.730 χ^2/NDF: 1477.3/49

All: 5.135+/-0.515 χ^2/NDF: 2863.1/102

- sign 5.144+/-0.728 χ^2/NDF: 1385.8/52

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs Slug



Right In: 385.892+/-1.421 χ^2/NDF: 5050.6/24

Left Out: 313.197+/-1.134 χ^2/NDF:3135.7/24

Right Out: 386.789+/-1.194 χ^2/NDF: 9695.7/29

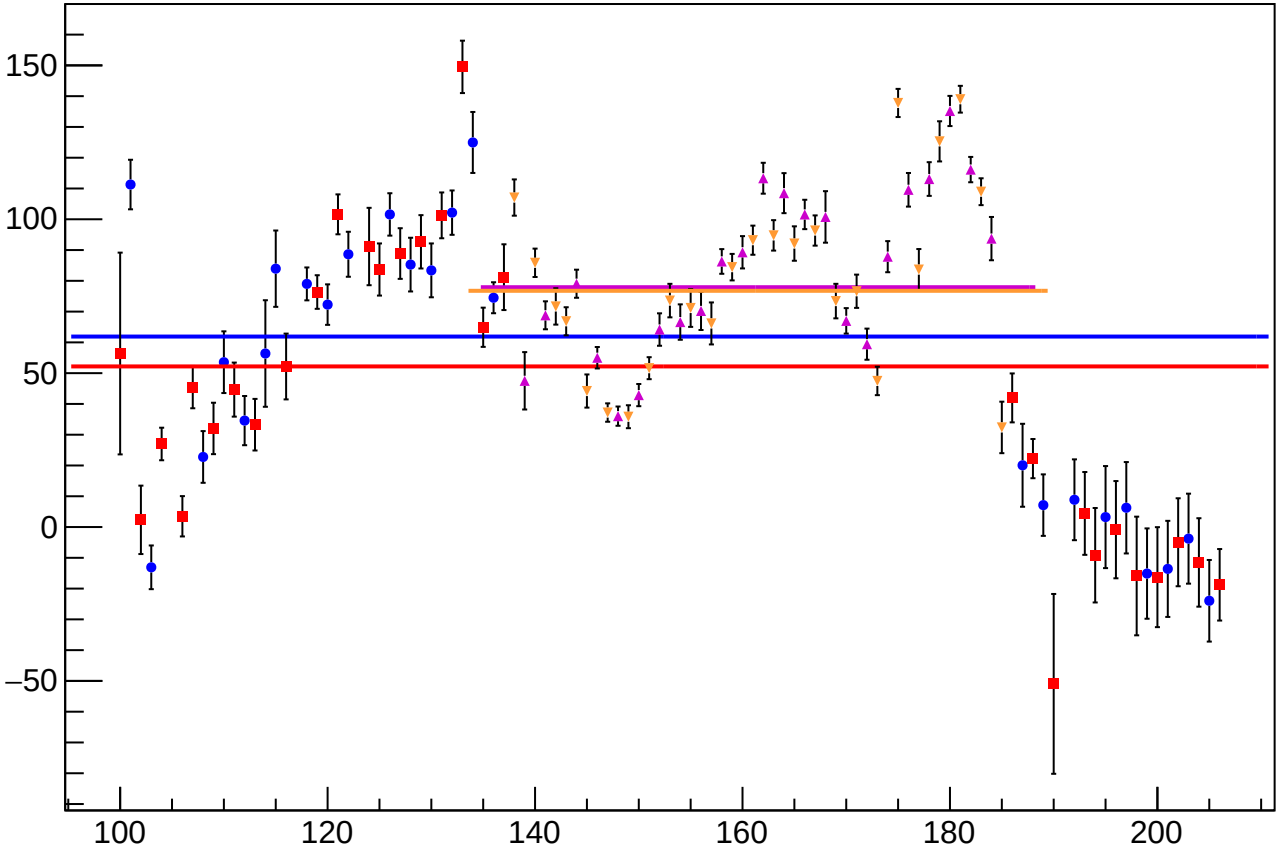
Left In: 314.864+/-1.161 χ^2/NDF:2429.0/22

+ sign 341.478+/-0.886 χ^2/NDF: 9785.1/49

All: 345.913+/-0.607 χ^2/NDF: 23821.4/102

- sign 349.826+/-0.833 χ^2/NDF: 13989.2/52

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs Slug



Right In: 61.892+/-1.750 χ^2/NDF: 532.6/24

Left Out: 76.758+/-0.967 χ^2/NDF:1035.3/24

Right Out: 52.187+/-1.602 χ^2/NDF: 618.2/29

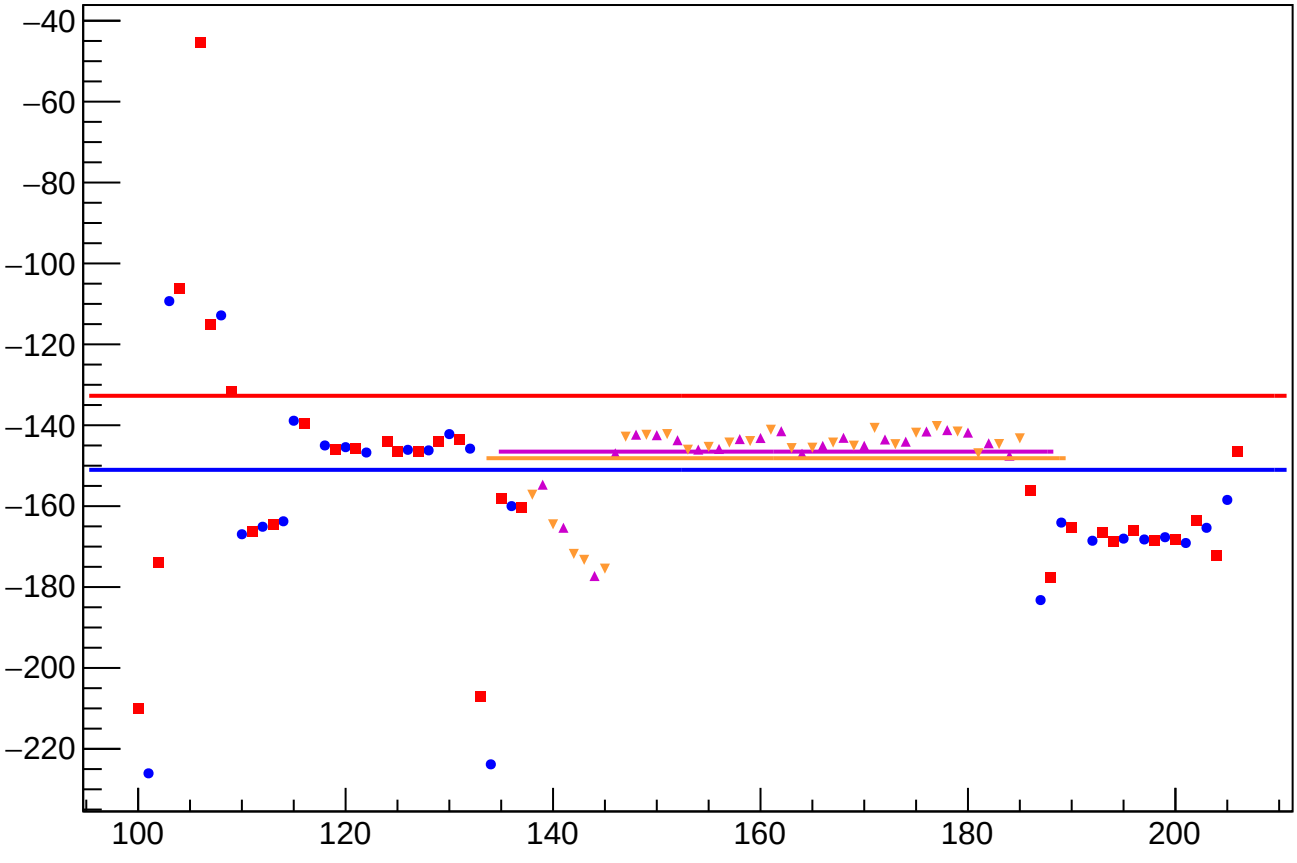
Left In: 77.923+/-0.997 χ^2/NDF:783.8/22

+ sign 73.283+/-0.846 χ^2/NDF: 1623.2/49

All: 72.013+/-0.598 χ^2/NDF: 3215.8/102

- sign 70.742+/-0.846 χ^2/NDF: 1588.1/52

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs Slug



Right In: -151.023+/-0.085 χ^2/NDF: 146121.2/24

Left Out: -148.148+/-0.045 χ^2/NDF:48910.2/24

Right Out: -132.718+/-0.076 χ^2/NDF: 348278.8/29

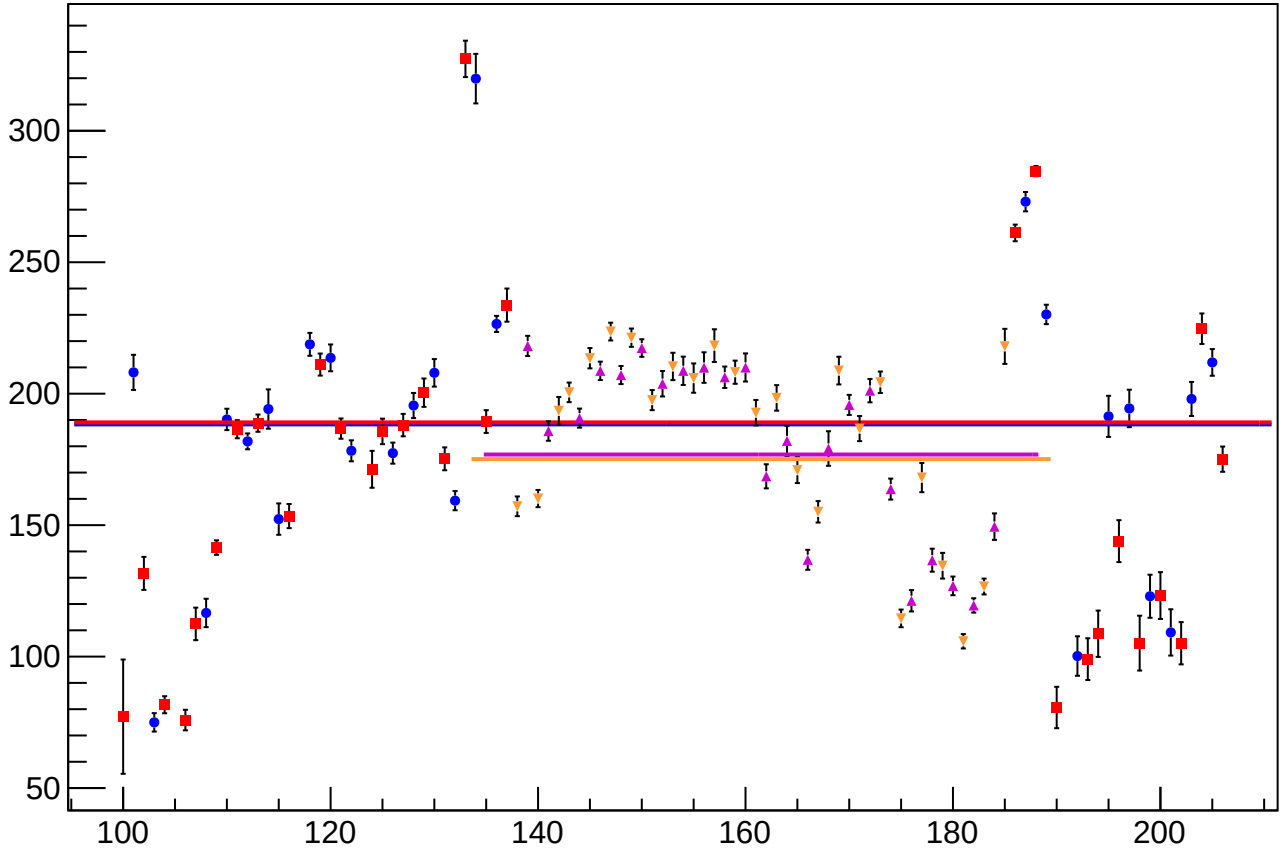
Left In: -146.523+/-0.046 χ^2/NDF:29172.3/22

+ sign -148.784+/-0.040 χ^2/NDF: 195929.5/49

All: -145.758+/-0.028 χ^2/NDF: 609157.9/102

- sign -142.849+/-0.039 χ^2/NDF: 401892.1/52

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs Slug



Right In: 188.326+/-0.938 χ^2/NDF: 2758.7/24

Left Out: 175.126+/-0.822 χ^2/NDF:2295.2/24

Right Out: 189.085+/-0.807 χ^2/NDF: 6724.8/29

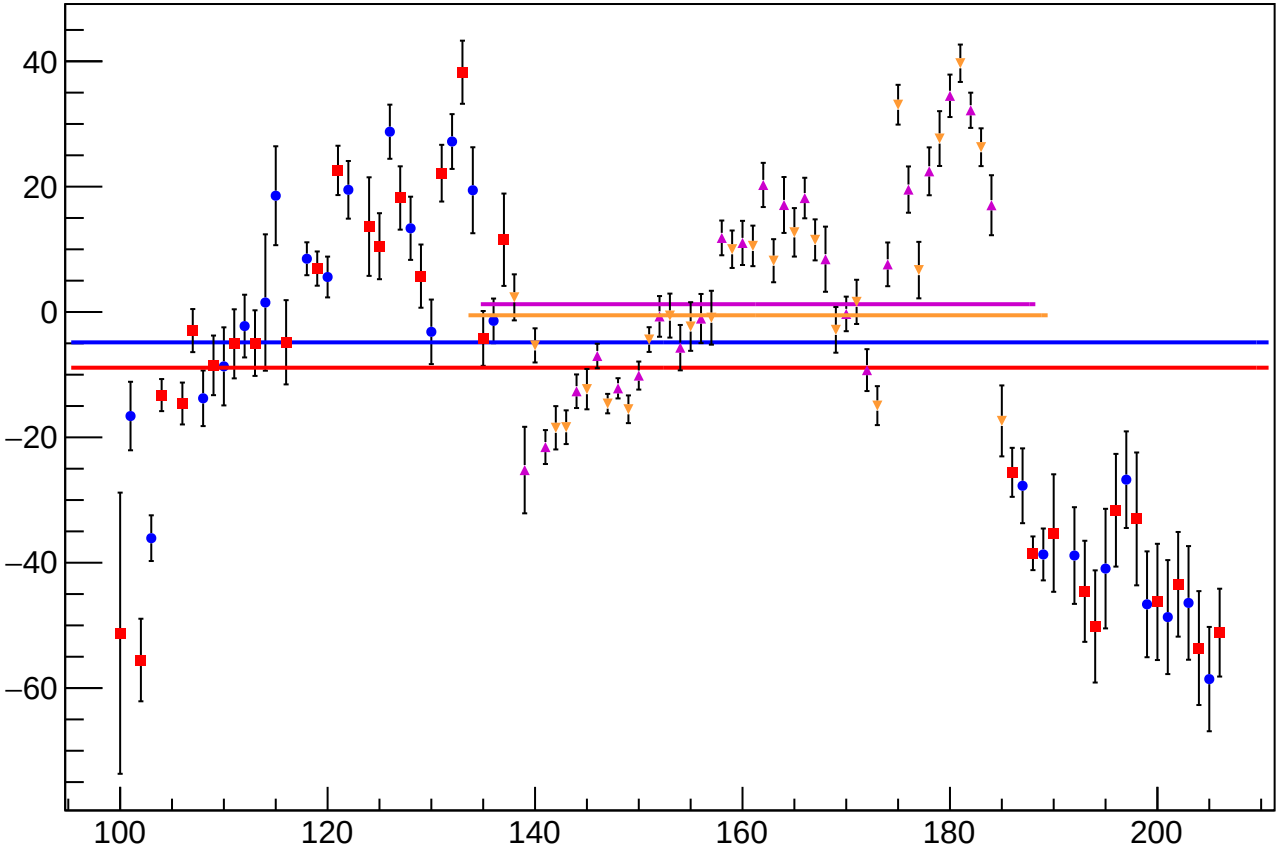
Left In: 176.862+/-0.847 χ^2/NDF:1756.1/22

+ sign 180.856+/-0.618 χ^2/NDF: 5165.8/49

All: 182.132+/-0.425 χ^2/NDF: 13763.9/102

- sign 183.270+/-0.584 χ^2/NDF: 8590.1/52

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs Slug



Right In: -4.844+/-0.998 χ^2/NDF: 530.5/24

Left Out: -0.523+/-0.601 χ^2/NDF:724.5/24

Right Out: -8.886+/-0.877 χ^2/NDF: 657.8/29

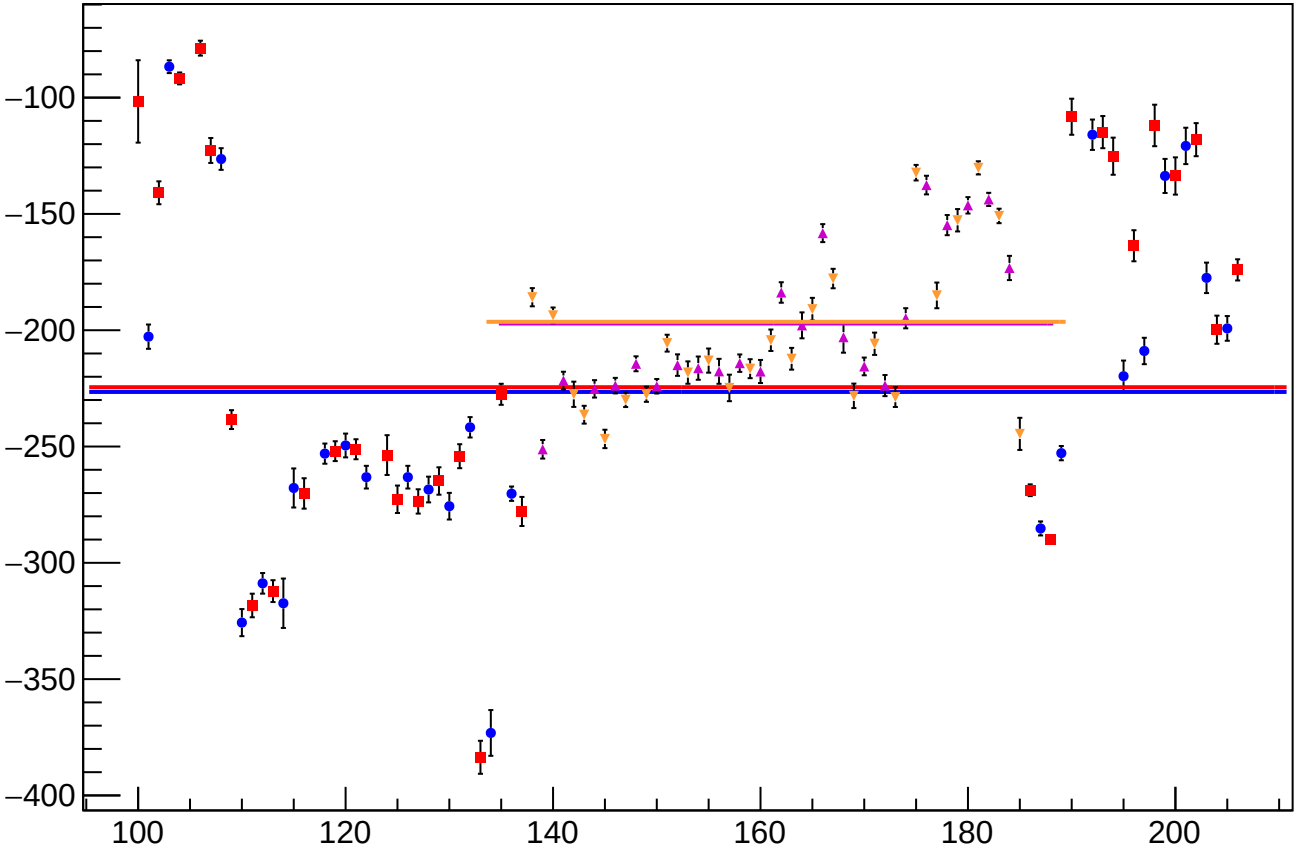
Left In: 1.244+/-0.625 χ^2/NDF:620.6/22

\+ sign -1.672+/-0.515 χ^2/NDF: 1268.8/49

All: -1.923+/-0.362 χ^2/NDF: 2636.0/102

\- sign -2.169+/-0.509 χ^2/NDF: 1366.7/52

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs Slug



Right In: -226.528+/-0.949 χ^2/NDF: 5714.0/24

Left Out: -196.380+/-0.816 χ^2/NDF:1997.7/24

Right Out: -224.492+/-0.787 χ^2/NDF: 10552.7/29

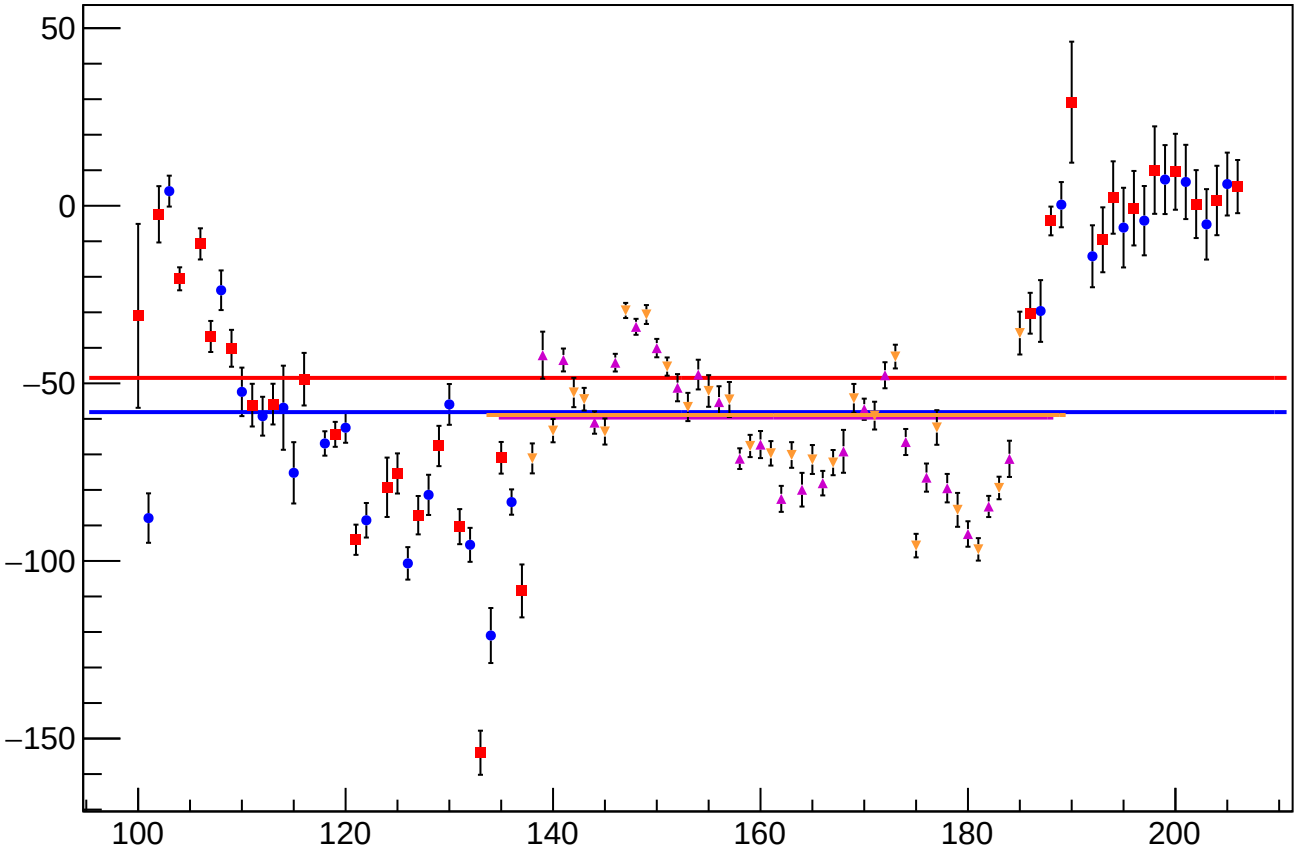
Left In: -197.128+/-0.837 χ^2/NDF:1601.5/22

+ sign -209.190+/-0.619 χ^2/NDF: 8292.1/49

All: -210.518+/-0.420 χ^2/NDF: 21022.5/102

- sign -211.657+/-0.573 χ^2/NDF: 12721.9/52

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs Slug



Right In: -58.095+/-1.175 χ^2/NDF: 930.3/24

Left Out: -58.910+/-0.695 χ^2/NDF:782.5/24

Right Out: -48.463+/-1.058 χ^2/NDF: 1250.5/29

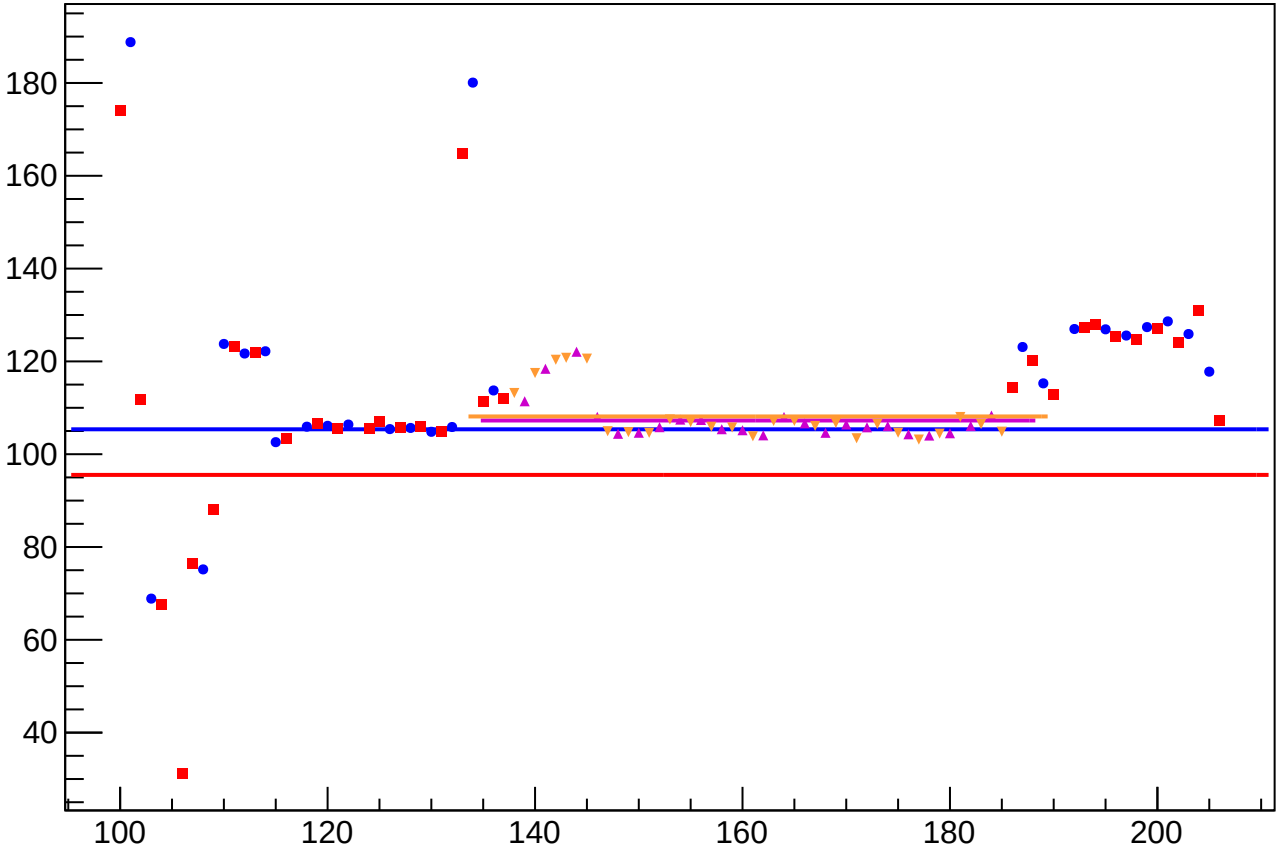
Left In: -59.637+/-0.718 χ^2/NDF:597.0/22

+ sign -58.699+/-0.598 χ^2/NDF: 1713.2/49

All: -57.397+/-0.422 χ^2/NDF: 3646.5/102

- sign -56.112+/-0.594 χ^2/NDF: 1923.9/52

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs Slug



Right In: 105.367+/-0.057 χ^2/NDF: 272168.2/24

Left Out: 108.136+/-0.032 χ^2/NDF:26420.1/24

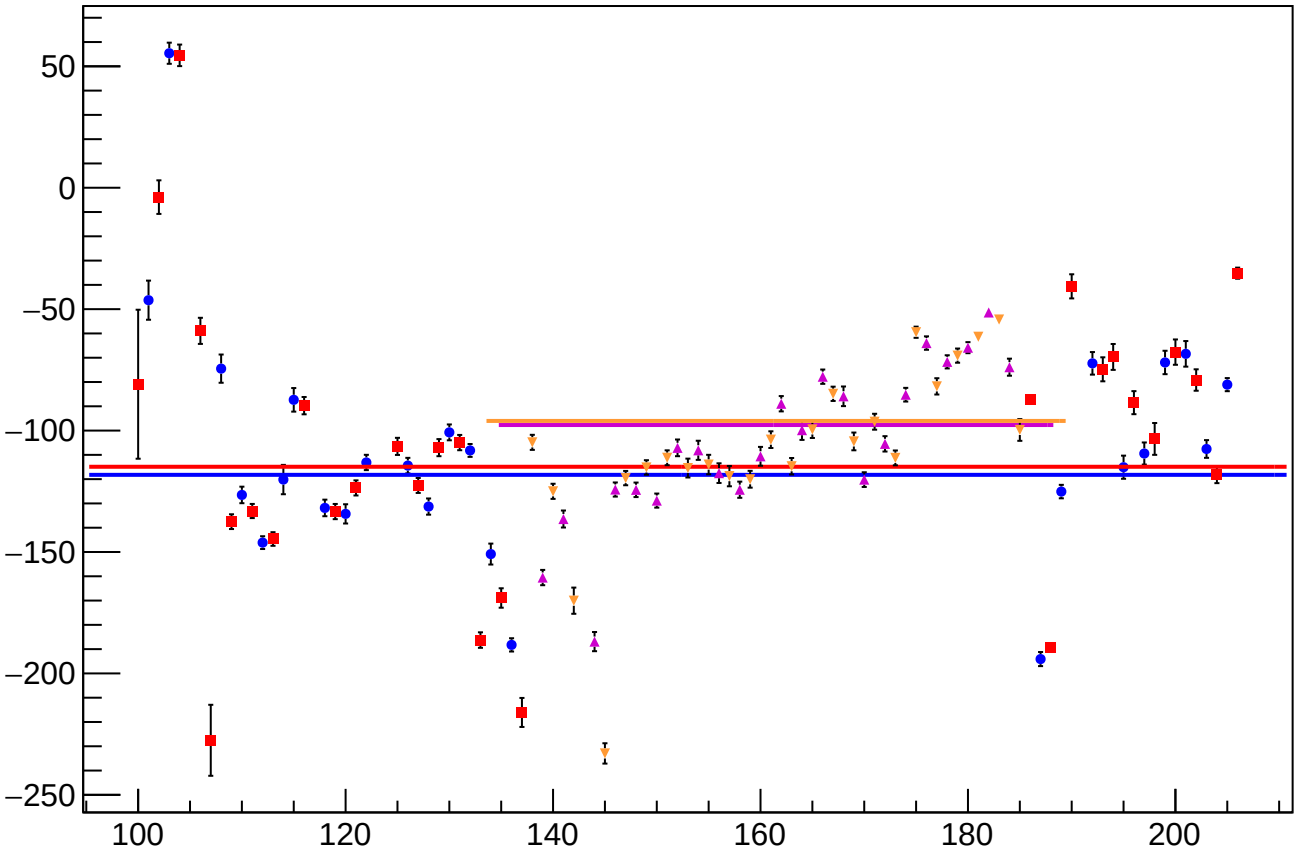
Right Out: 95.538+/-0.051 χ^2/NDF: 387074.8/29

Left In: 107.266+/-0.033 χ^2/NDF:16879.3/22

+ sign 107.450+/-0.028 χ^2/NDF: 300391.3/49

All: 105.605+/-0.020 χ^2/NDF: 750157.6/102

- sign 103.829+/-0.028 χ^2/NDF: 441333.3/52



Right In: -118.228+/-0.718 χ^2/NDF: 3868.3/24

Left Out: -96.026+/-0.635 χ^2/NDF:2770.9/23

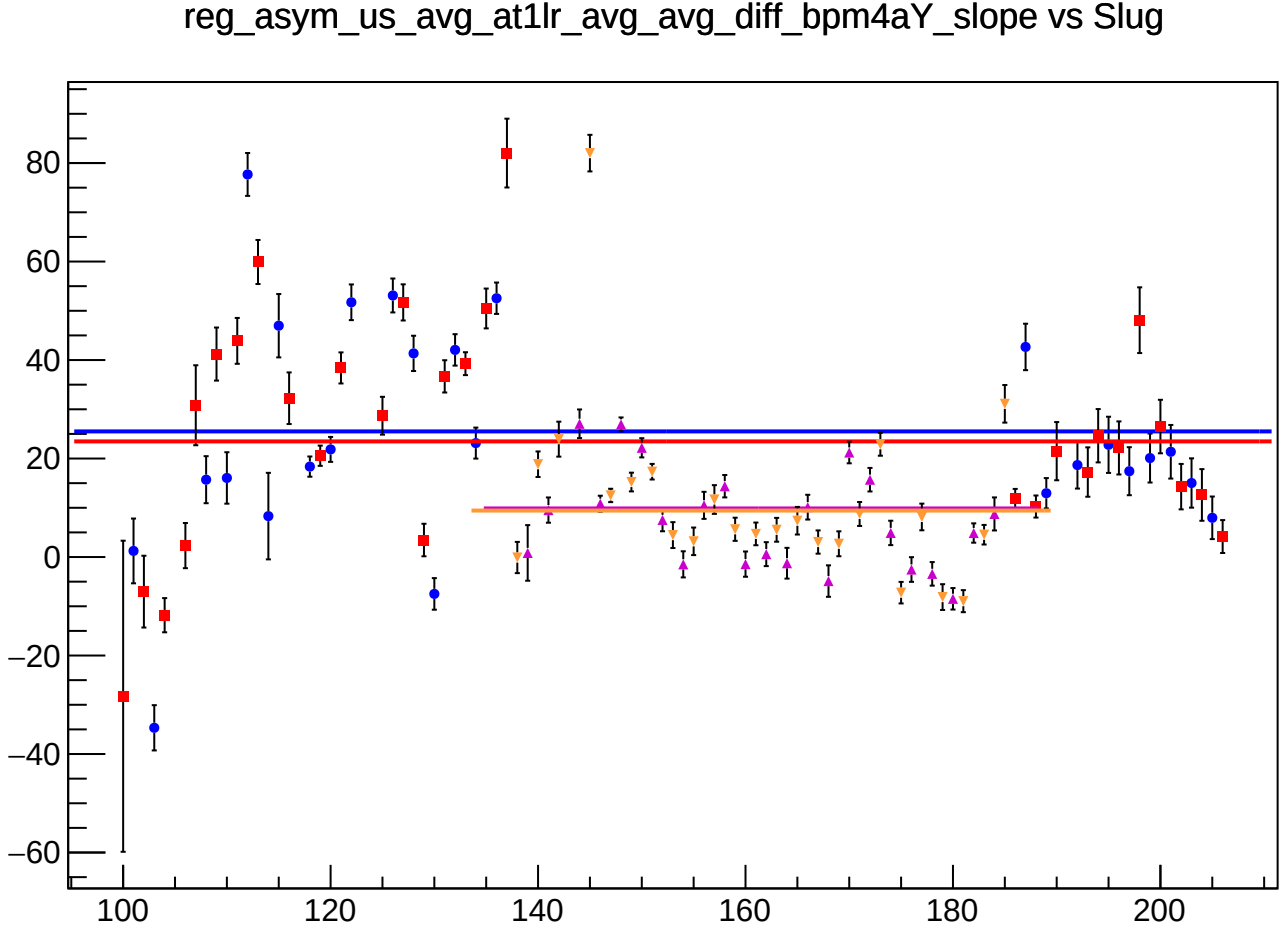
Right Out: -114.900+/-0.620 χ^2/NDF: 7311.5/28

Left In: -97.713+/-0.639 χ^2/NDF:2640.9/22

\+ sign -105.769+/-0.476 χ^2/NDF: 7175.9/48

All: -106.191+/-0.325 χ^2/NDF: 17502.5/100

\- sign -106.559+/-0.445 χ^2/NDF: 10325.2/51



Right In: 25.508+/-0.766 χ^2/NDF: 764.2/24

Left Out: 9.438+/-0.478 χ^2/NDF:736.4/23

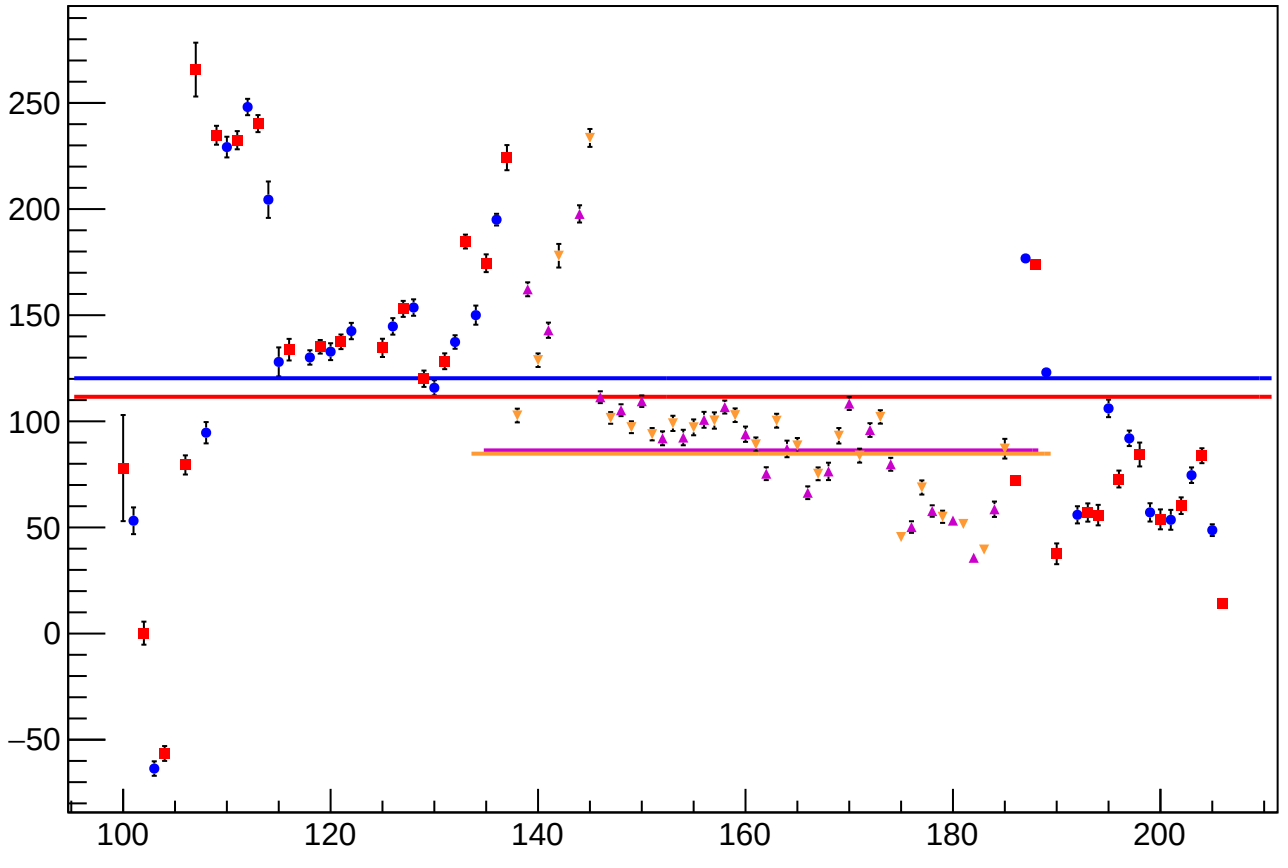
Right Out: 23.479+/-0.695 χ^2/NDF: 669.3/28

Left In: 9.864+/-0.487 χ^2/NDF:485.4/22

+ sign 13.939+/-0.406 χ^2/NDF: 1817.2/48

All: 14.145+/-0.284 χ^2/NDF: 3229.9/100

- sign 14.343+/-0.399 χ^2/NDF: 1412.2/51



Right In: 120.298+/-0.733 χ^2/NDF: 7837.8/24

Left Out: 84.759+/-0.629 χ^2/NDF:3110.5/23

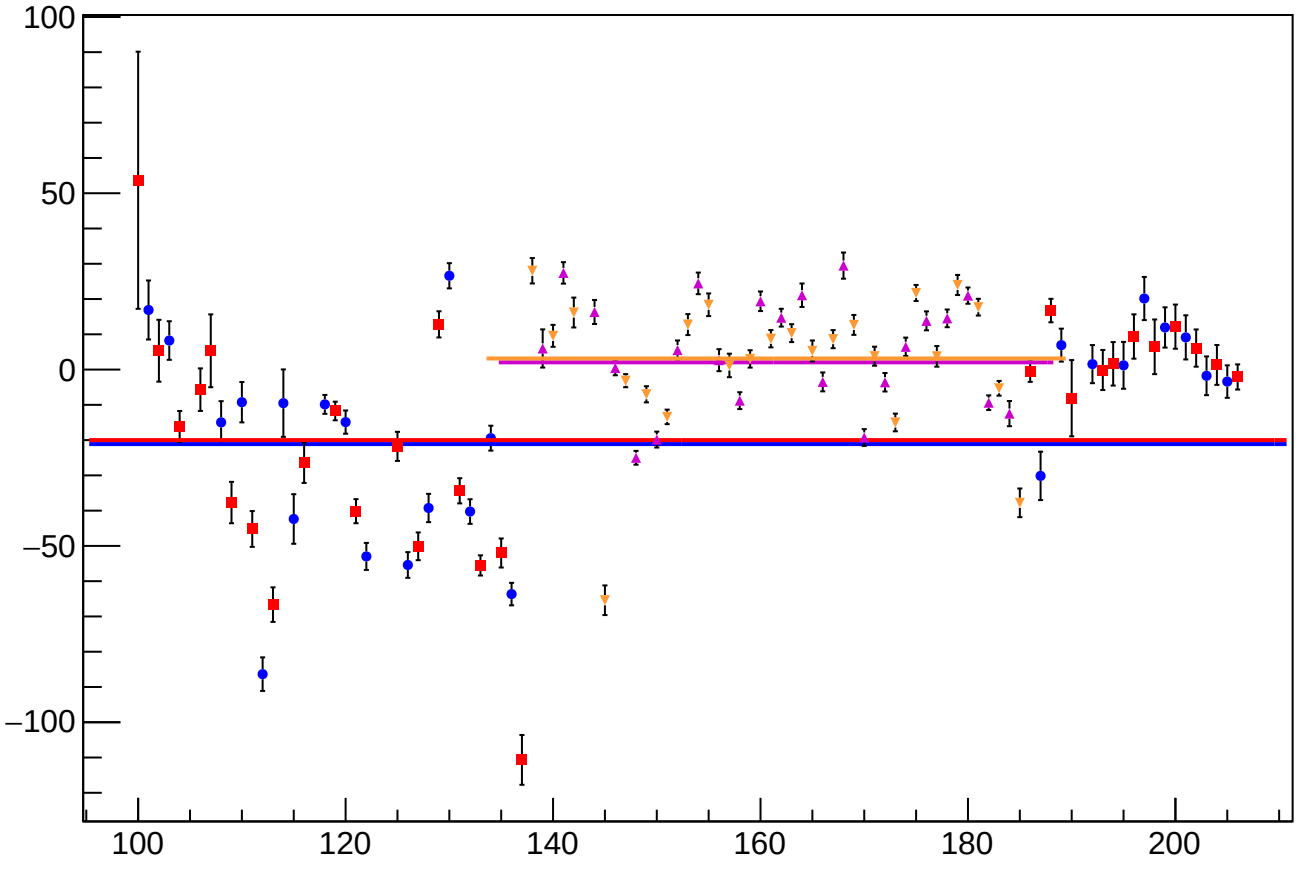
Right Out: 111.565+/-0.598 χ^2/NDF: 13099.4/28

Left In: 86.300+/-0.632 χ^2/NDF:3152.8/22

\+ sign 99.823+/-0.478 χ^2/NDF: 12300.9/48

All: 99.717+/-0.321 χ^2/NDF: 29396.6/100

\- sign 99.628+/-0.434 χ^2/NDF: 17095.7/51



Right In: -21.126+/-0.896 χ^2/NDF: 1035.2/24

Left Out: 3.151+/-0.544 χ^2/NDF:813.9/23

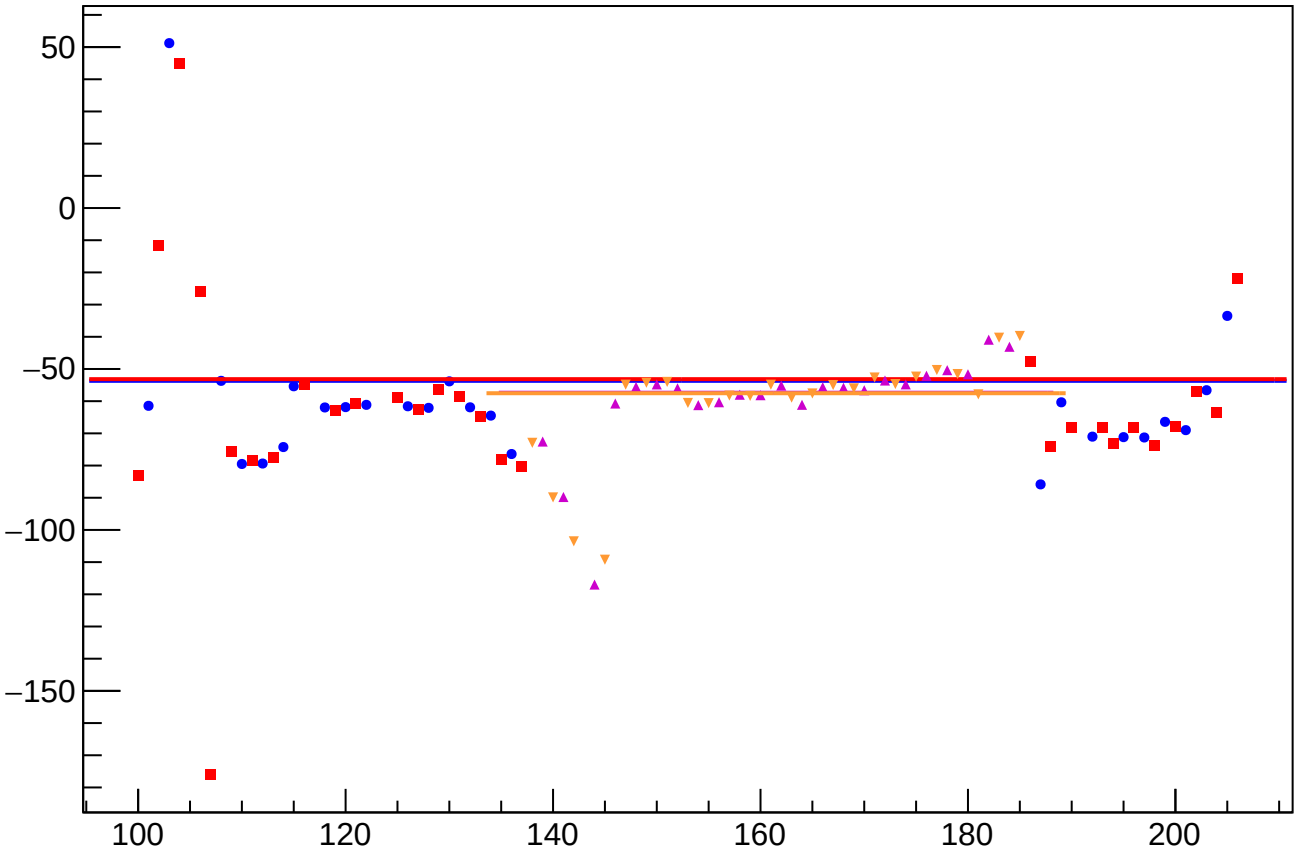
Right Out: -19.992+/-0.836 χ^2/NDF: 1042.2/28

Left In: 2.050+/-0.551 χ^2/NDF:850.8/22

\+ sign -3.378+/-0.465 χ^2/NDF: 2385.2/48

All: -4.005+/-0.327 χ^2/NDF: 4766.1/100

\- sign -4.620+/-0.460 χ^2/NDF: 2377.3/51



Right In: -53.675+/-0.044 χ^2/NDF: 652022.0/24

Left Out: -57.532+/-0.025 χ^2/NDF:267030.7/23

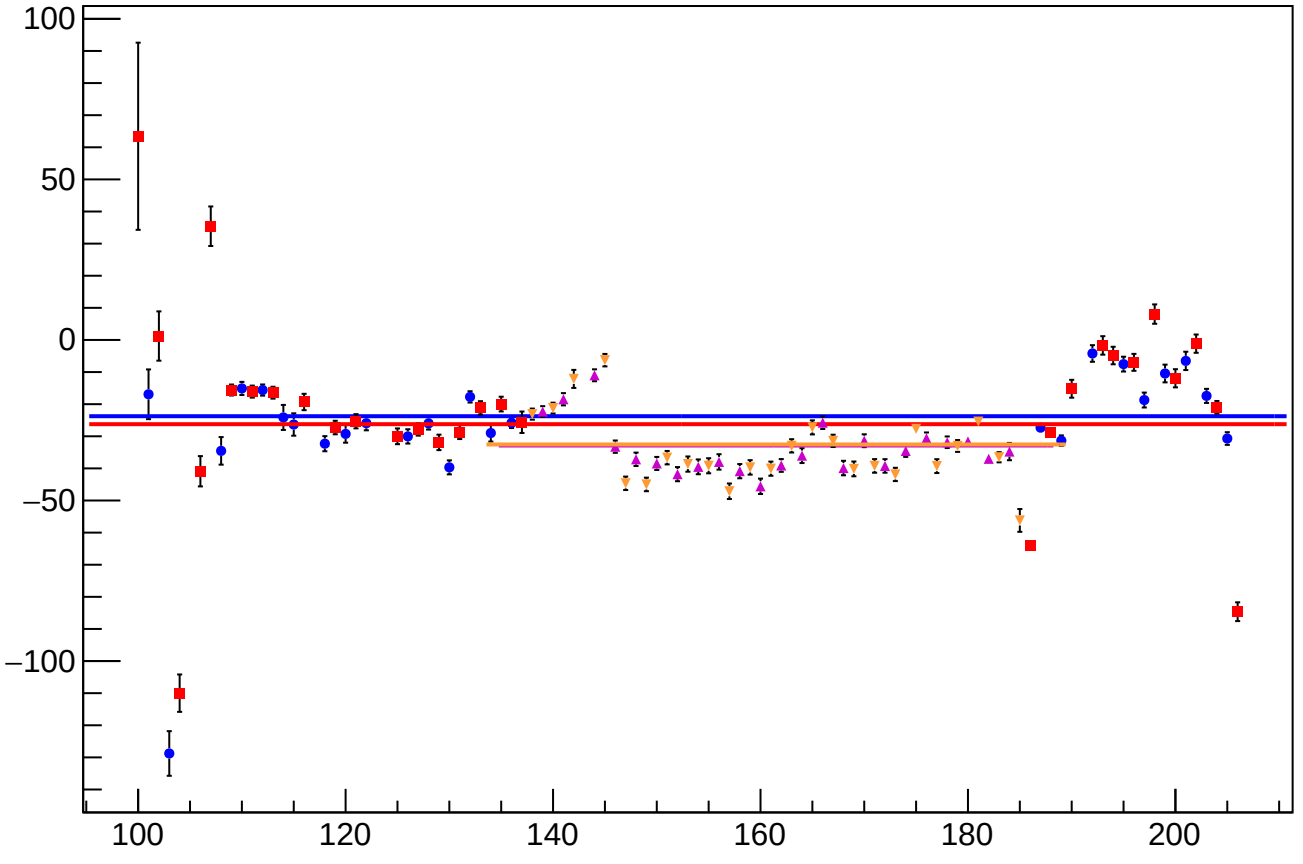
Right Out: -53.160+/-0.042 χ^2/NDF: 619637.6/28

Left In: -57.377+/-0.025 χ^2/NDF:227136.8/22

+ sign -56.614+/-0.022 χ^2/NDF: 924825.0/48

All: -56.443+/-0.015 χ^2/NDF: 1779297.8/100

- sign -56.276+/-0.021 χ^2/NDF: 854348.4/51



Right In: -23.750+/-0.448 χ^2/NDF: 593.8/24

Left Out: -32.549+/-0.407 χ^2/NDF:603.6/23

Right Out: -26.230+/-0.405 χ^2/NDF: 2027.3/28

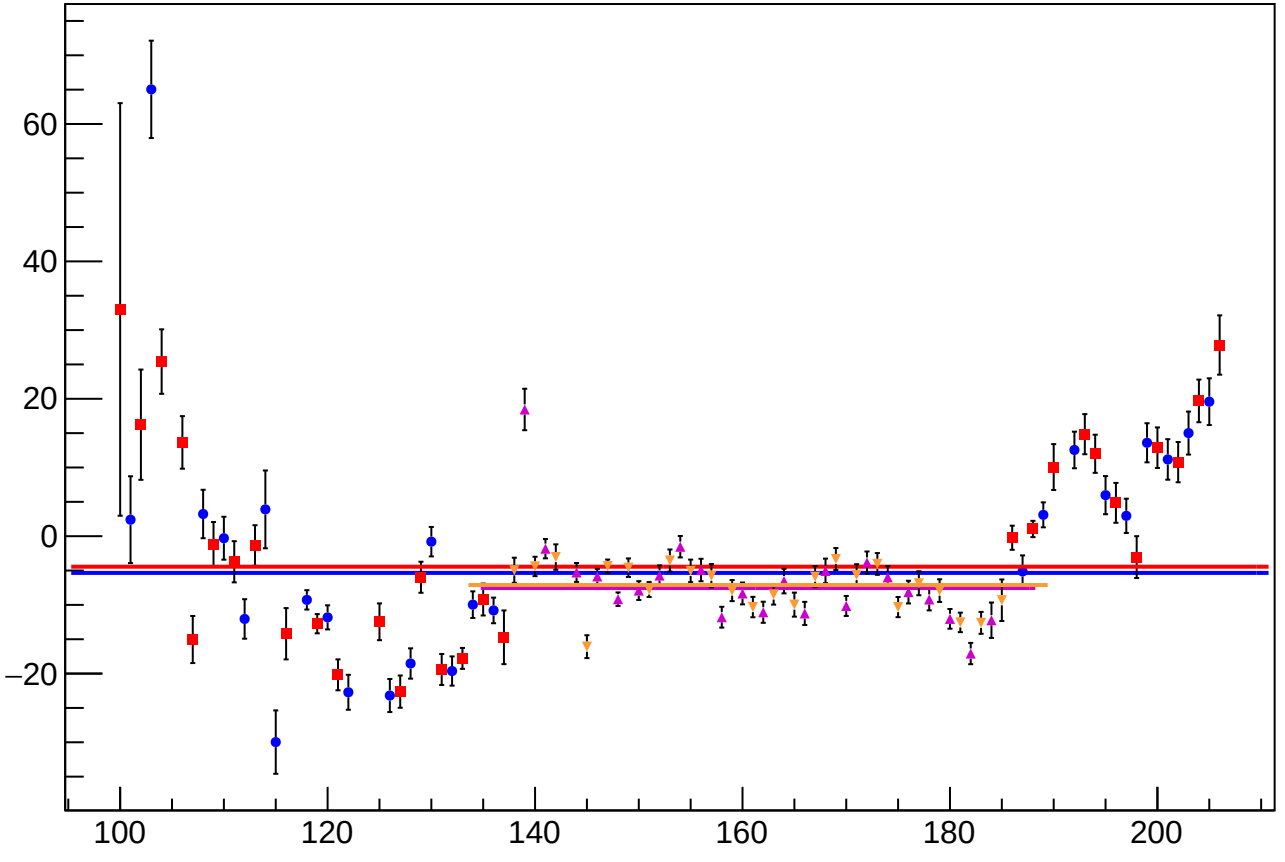
Left In: -32.867+/-0.411 χ^2/NDF:373.2/22

\+ sign -28.576+/-0.301 χ^2/NDF: 1408.9/48

All: -29.055+/-0.208 χ^2/NDF: 3946.6/100

\- sign -29.494+/-0.288 χ^2/NDF: 2532.9/51

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -5.344+/-0.493 χ^2/NDF: 633.9/24

Left Out: -7.110+/-0.309 χ^2/NDF:109.5/23

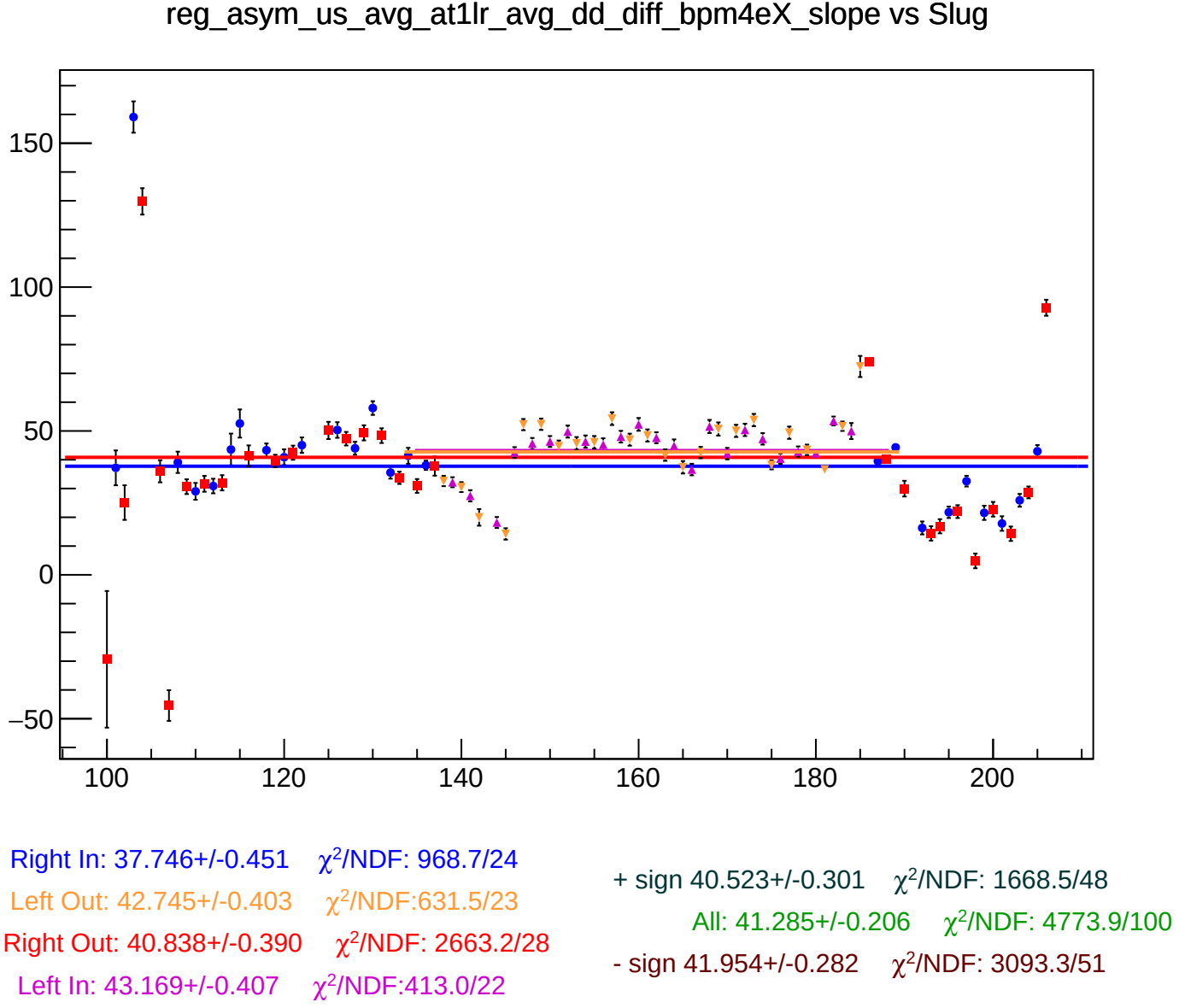
Right Out: -4.440+/-0.461 χ^2/NDF: 688.0/28

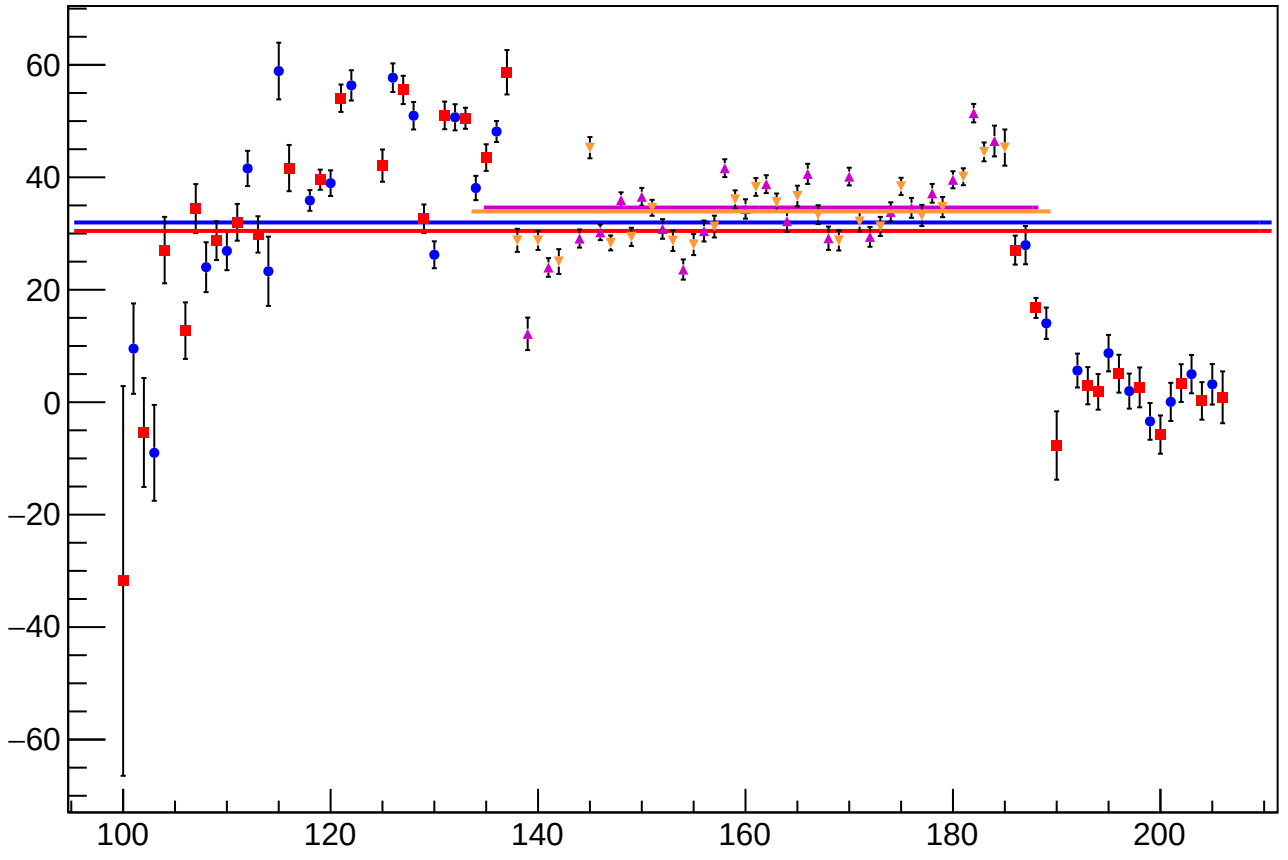
Left In: -7.547+/-0.315 χ^2/NDF:199.7/22

+ sign -6.611+/-0.262 χ^2/NDF: 752.7/48

All: -6.584+/-0.185 χ^2/NDF: 1671.4/100

- sign -6.558+/-0.260 χ^2/NDF: 918.7/51


reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs Slug
150
100
50
0
−50
100
120
140
160
180
200
Right In: 37.746+/-0.451 χ²/NDF: 968.7/24
Left Out: 42.745+/-0.403 χ²/NDF:631.5/23
Right Out: 40.838+/-0.390 χ²/NDF: 2663.2/28
Left In: 43.169+/-0.407 χ²/NDF:413.0/22
+ sign 40.523+/-0.301 χ²/NDF: 1668.5/48
All: 41.285+/-0.206 χ²/NDF: 4773.9/100
- sign 41.954+/-0.282 χ²/NDF: 3093.3/51



Right In: 31.970+/-0.577 χ^2/NDF: 1083.2/24

Left Out: 33.930+/-0.351 χ^2/NDF:216.5/23

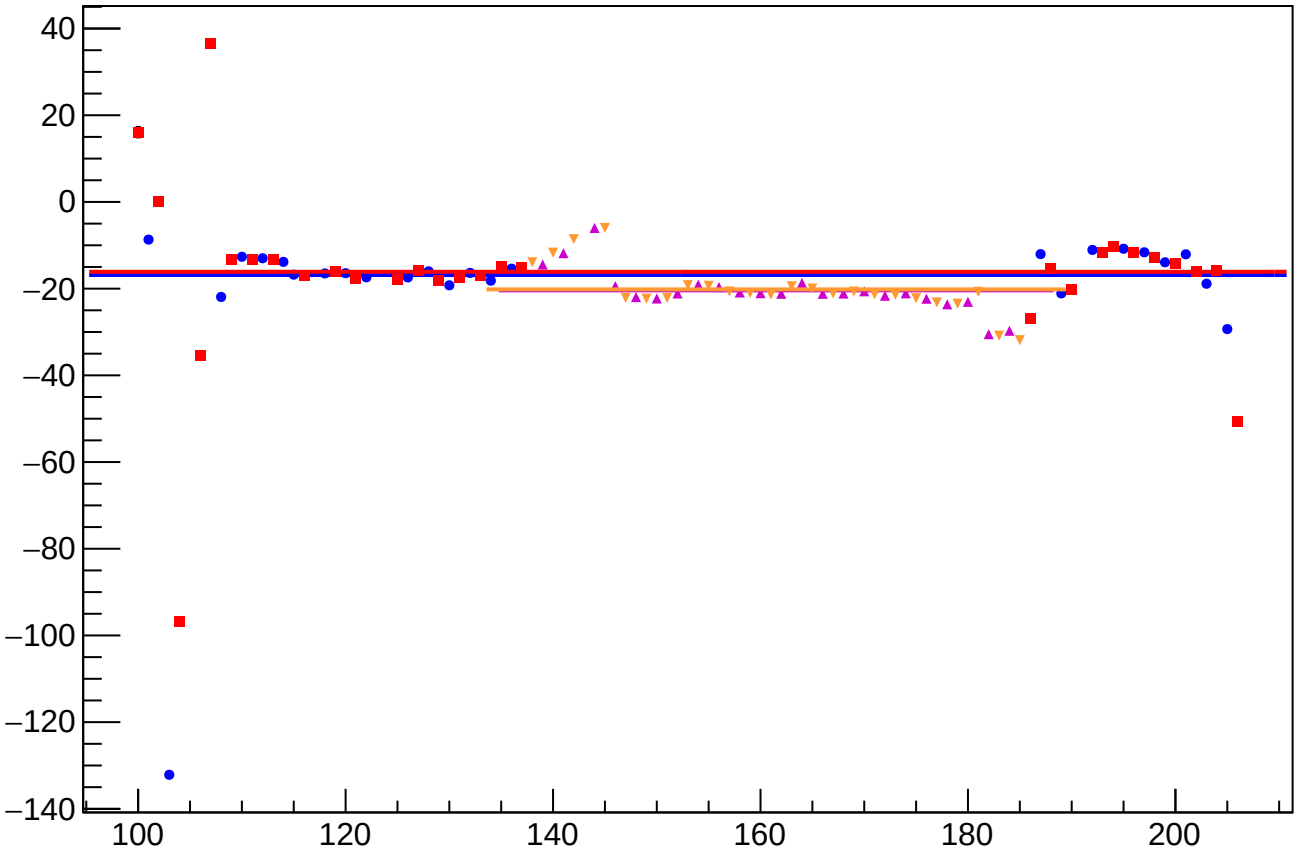
Right Out: 30.466+/-0.556 χ^2/NDF: 1211.9/28

Left In: 34.623+/-0.356 χ^2/NDF:376.1/22

+ sign 33.401+/-0.300 χ^2/NDF: 1308.1/48

All: 33.407+/-0.212 χ^2/NDF: 2935.8/100

- sign 33.413+/-0.300 χ^2/NDF: 1627.6/51



Right In: -16.857+/-0.028 χ^2/NDF: 272314.3/24

Left Out: -20.174+/-0.016 χ^2/NDF:99947.2/23

Right Out: -16.109+/-0.027 χ^2/NDF: 256756.7/28

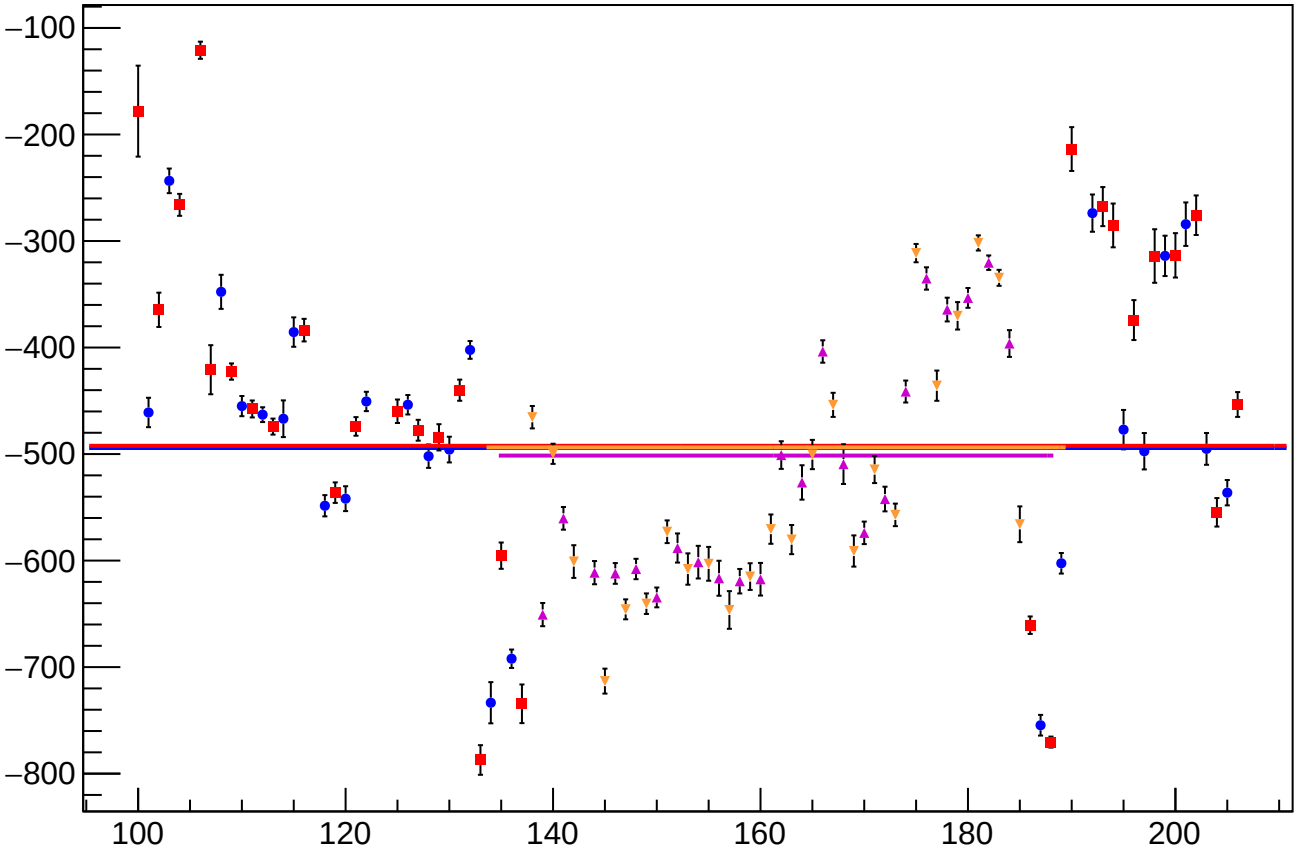
Left In: -20.396+/-0.016 χ^2/NDF:81154.4/22

+ sign -19.379+/-0.014 χ^2/NDF: 382860.8/48

All: -19.344+/-0.010 χ^2/NDF: 739494.7/100

- sign -19.309+/-0.014 χ^2/NDF: 356620.9/51

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -494.290+/-2.283 χ^2/NDF: 2766.0/24

Left Out: -493.722+/-2.295 χ^2/NDF:3150.0/23

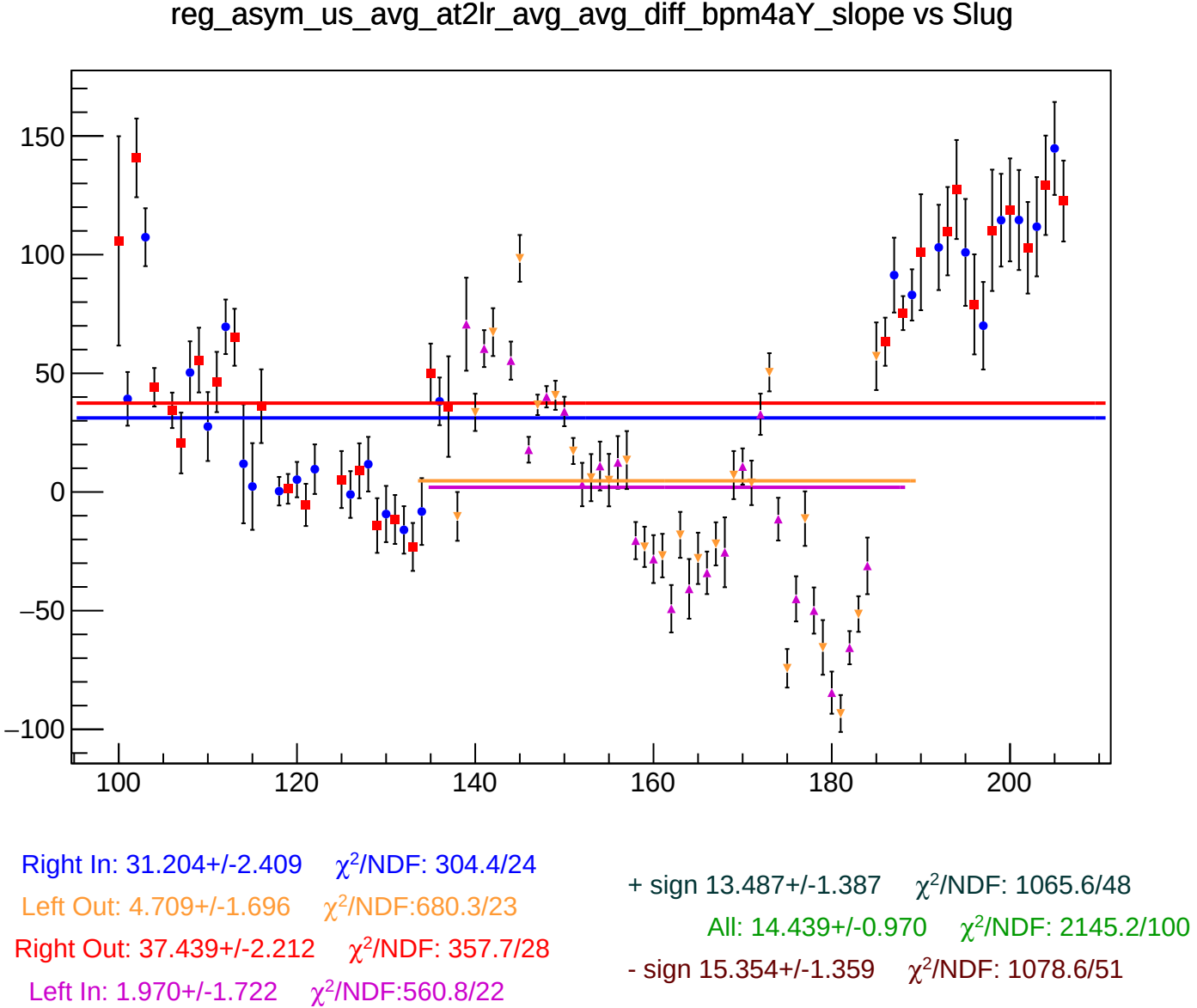
Right Out: -492.250+/-2.011 χ^2/NDF: 7802.5/28

Left In: -501.425+/-2.306 χ^2/NDF:2689.3/22

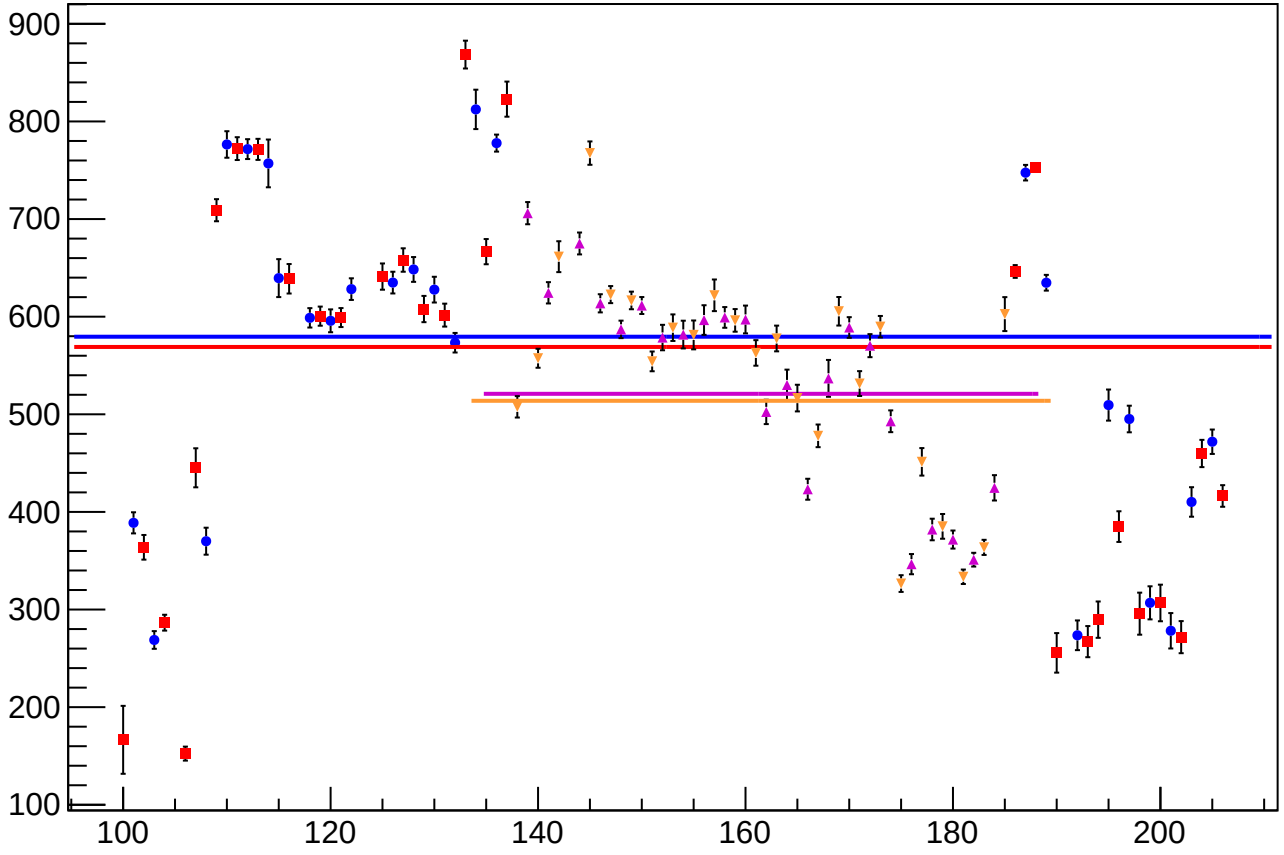
+ sign -494.007+/-1.618 χ^2/NDF: 5916.0/48

All: -495.182+/-1.106 χ^2/NDF: 16417.8/100

- sign -496.212+/-1.516 χ^2/NDF: 10500.8/51


reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs Slug
150
100
50
0
−50
−100
100
120
140
160
180
200
Right In: 31.204+/-2.409 χ²/NDF: 304.4/24
Left Out: 4.709+/-1.696 χ²/NDF:680.3/23
Right Out: 37.439+/-2.212 χ²/NDF: 357.7/28
Left In: 1.970+/-1.722 χ²/NDF:560.8/22
+ sign 13.487+/-1.387 χ²/NDF: 1065.6/48
All: 14.439+/-0.970 χ²/NDF: 2145.2/100
- sign 15.354+/-1.359 χ²/NDF: 1078.6/51

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 579.478+/-2.367 χ^2/NDF: 4776.6/24

Left Out: 513.833+/-2.277 χ^2/NDF:2735.5/23

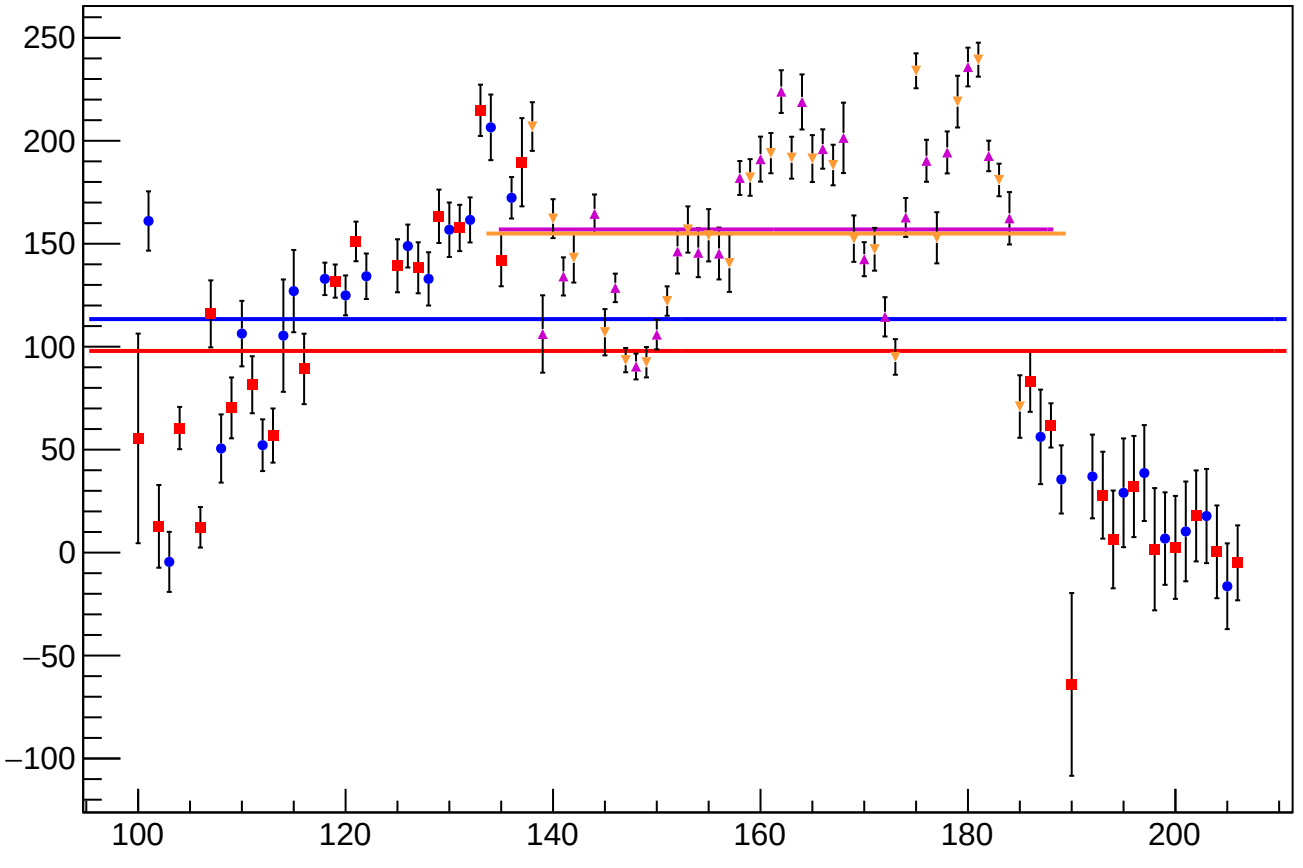
Right Out: 568.991+/-2.002 χ^2/NDF: 10666.9/28

Left In: 520.990+/-2.283 χ^2/NDF:2442.8/22

+ sign 545.388+/-1.641 χ^2/NDF: 7911.7/48

All: 546.873+/-1.109 χ^2/NDF: 21272.6/100

- sign 548.124+/-1.505 χ^2/NDF: 13359.5/51



Right In: 113.401+/-2.834 χ^2/NDF: 398.8/24

Left Out: 154.944+/-1.953 χ^2/NDF:609.0/23

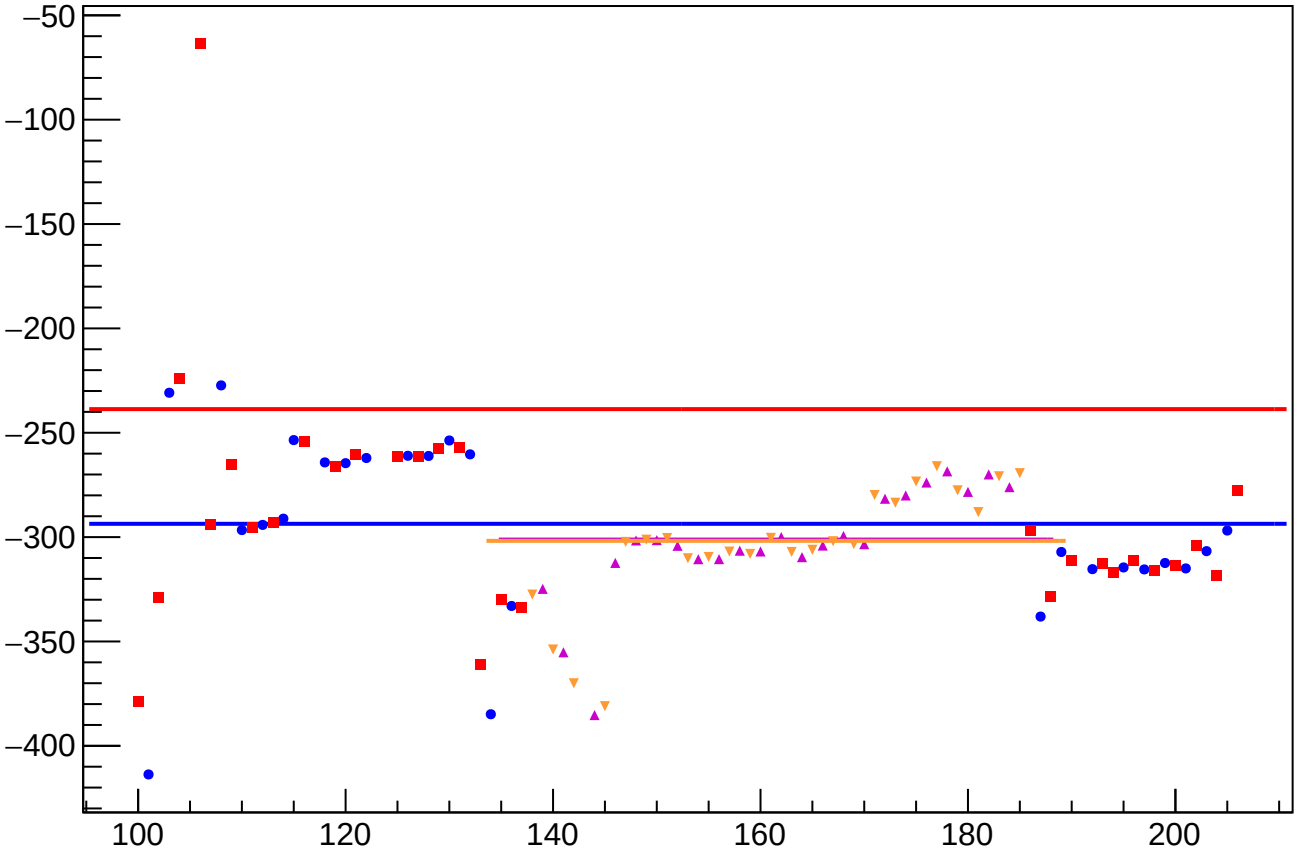
Right Out: 97.939+/-2.654 χ^2/NDF: 512.8/28

Left In: 156.934+/-1.971 χ^2/NDF:443.2/22

+ sign 141.567+/-1.608 χ^2/NDF: 1153.4/48

All: 138.716+/-1.128 χ^2/NDF: 2434.1/100

- sign 135.957+/-1.582 χ^2/NDF: 1274.5/51



Right In: -293.623+/-0.147 χ^2/NDF: 112997.2/24

Left Out: -301.785+/-0.091 χ^2/NDF:86719.4/23

Right Out: -238.676+/-0.124 χ^2/NDF: 682996.6/28

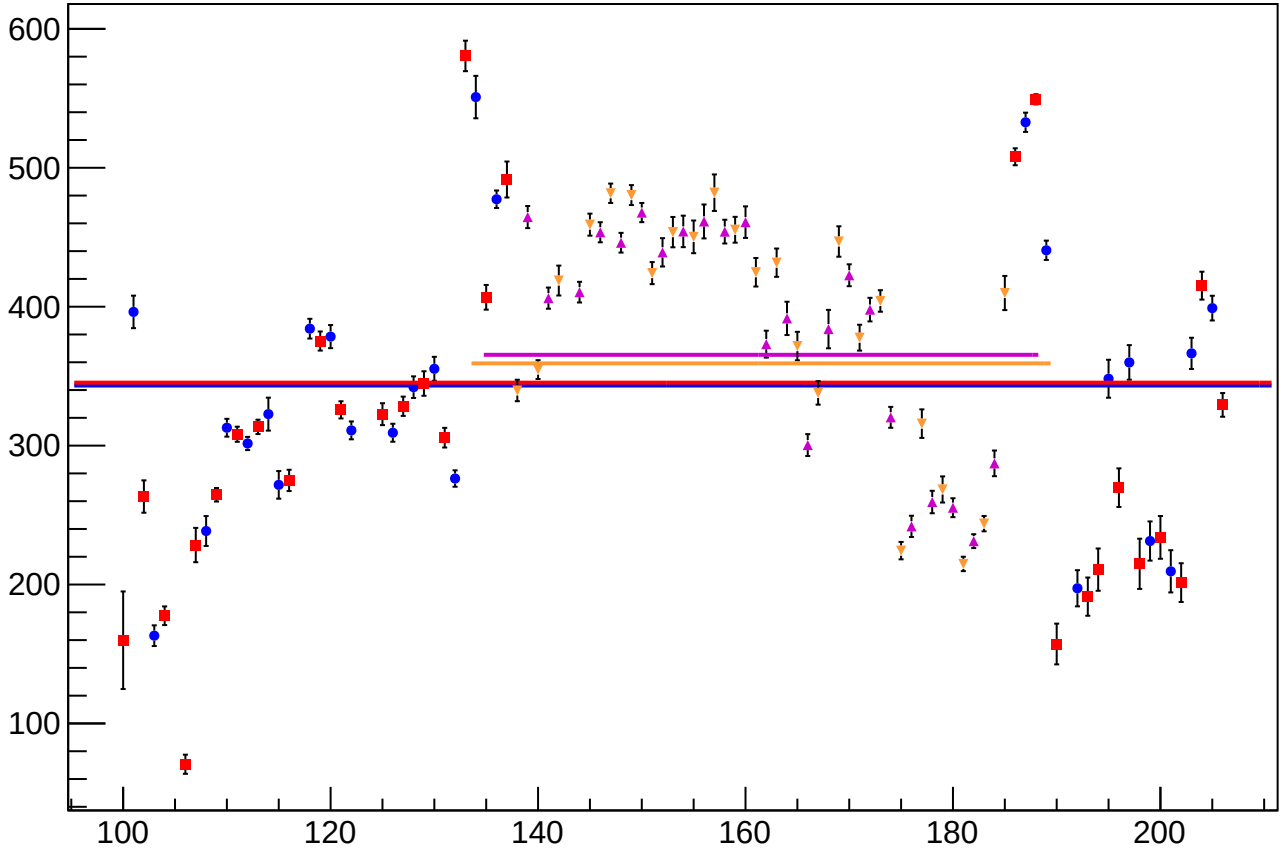
Left In: -301.176+/-0.090 χ^2/NDF:75325.3/22

+ sign -299.523+/-0.077 χ^2/NDF: 201957.1/48

All: -289.061+/-0.053 χ^2/NDF: 1160545.3/10

- sign -279.718+/-0.073 χ^2/NDF: 923814.2/51

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 343.274+/-1.624 χ^2/NDF: 2982.2/24

Left Out: 359.188+/-1.681 χ^2/NDF:3187.9/23

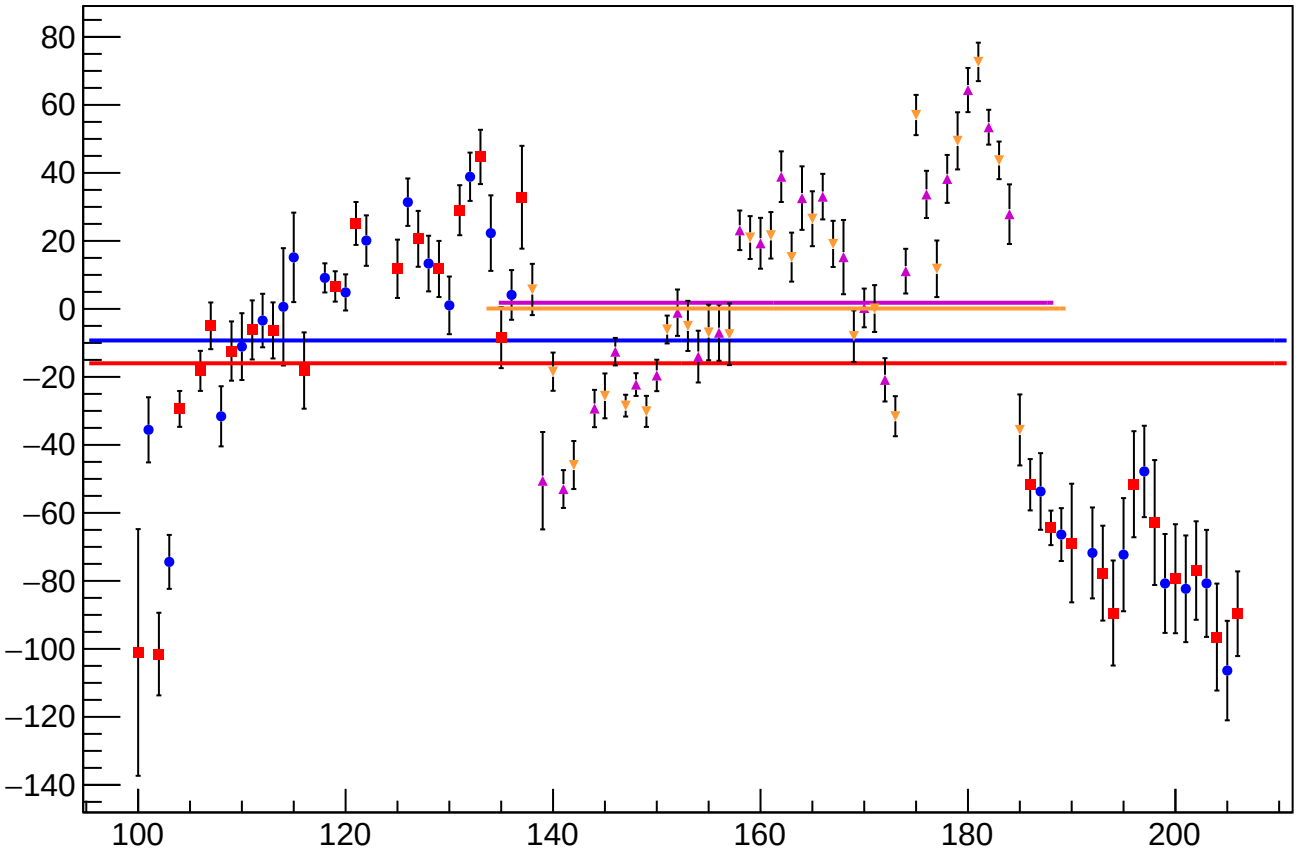
Right Out: 345.327+/-1.429 χ^2/NDF: 8029.6/28

Left In: 365.362+/-1.692 χ^2/NDF:2739.5/22

+ sign 350.955+/-1.168 χ^2/NDF: 6216.5/48

All: 352.401+/-0.798 χ^2/NDF: 17070.3/100

- sign 353.664+/-1.092 χ^2/NDF: 10850.9/51



Right In: -9.284+/-1.725 χ^2/NDF: 451.6/24

Left Out: 0.114+/-1.247 χ^2/NDF:637.9/23

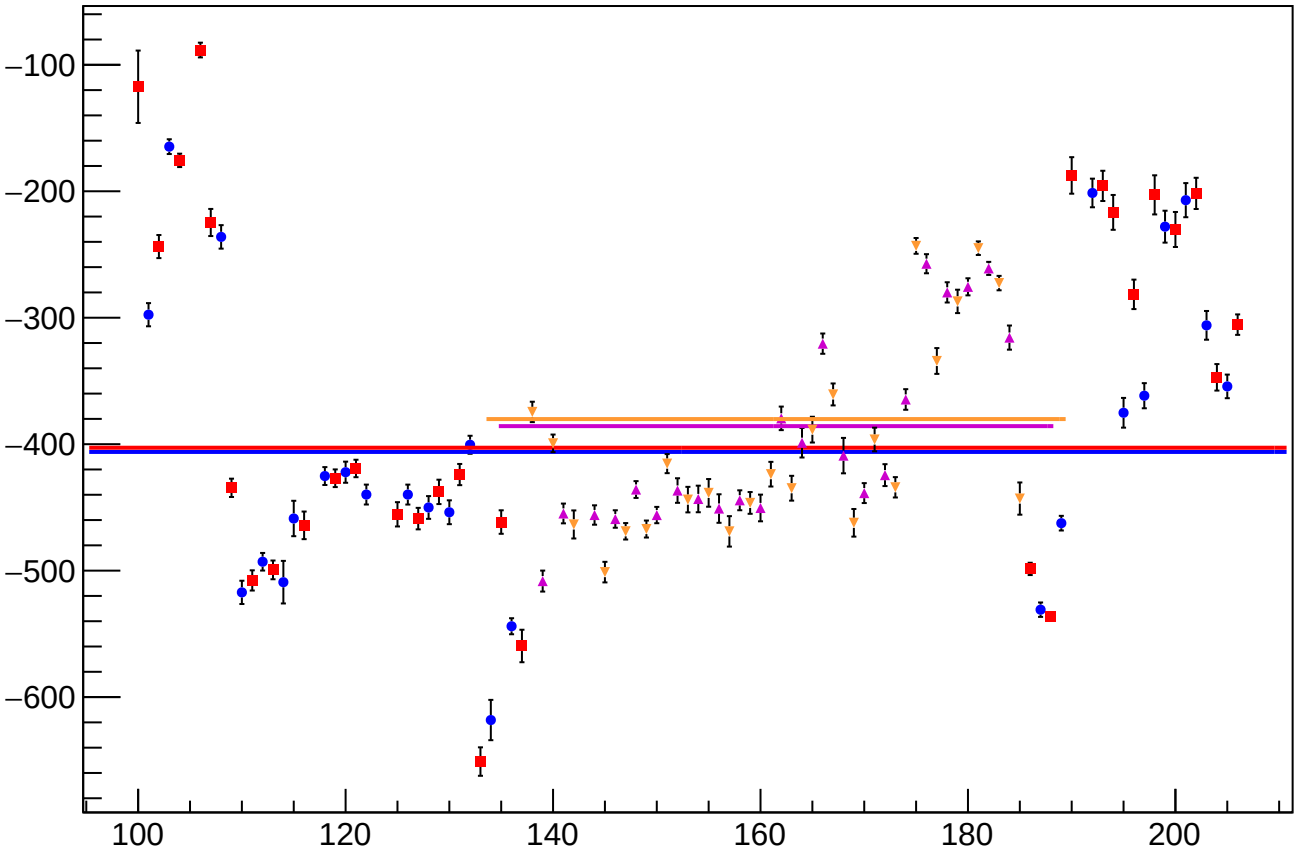
Right Out: -15.992+/-1.568 χ^2/NDF: 554.2/28

Left In: 1.812+/-1.267 χ^2/NDF:577.0/22

+ sign -3.110+/-1.011 χ^2/NDF: 1109.0/48

All: -4.193+/-0.705 χ^2/NDF: 2320.5/100

- sign -5.222+/-0.985 χ^2/NDF: 1209.2/51



Right In: -406.130+/-1.692 χ^2/NDF: 4734.5/24

Left Out: -380.144+/-1.670 χ^2/NDF:2618.6/23

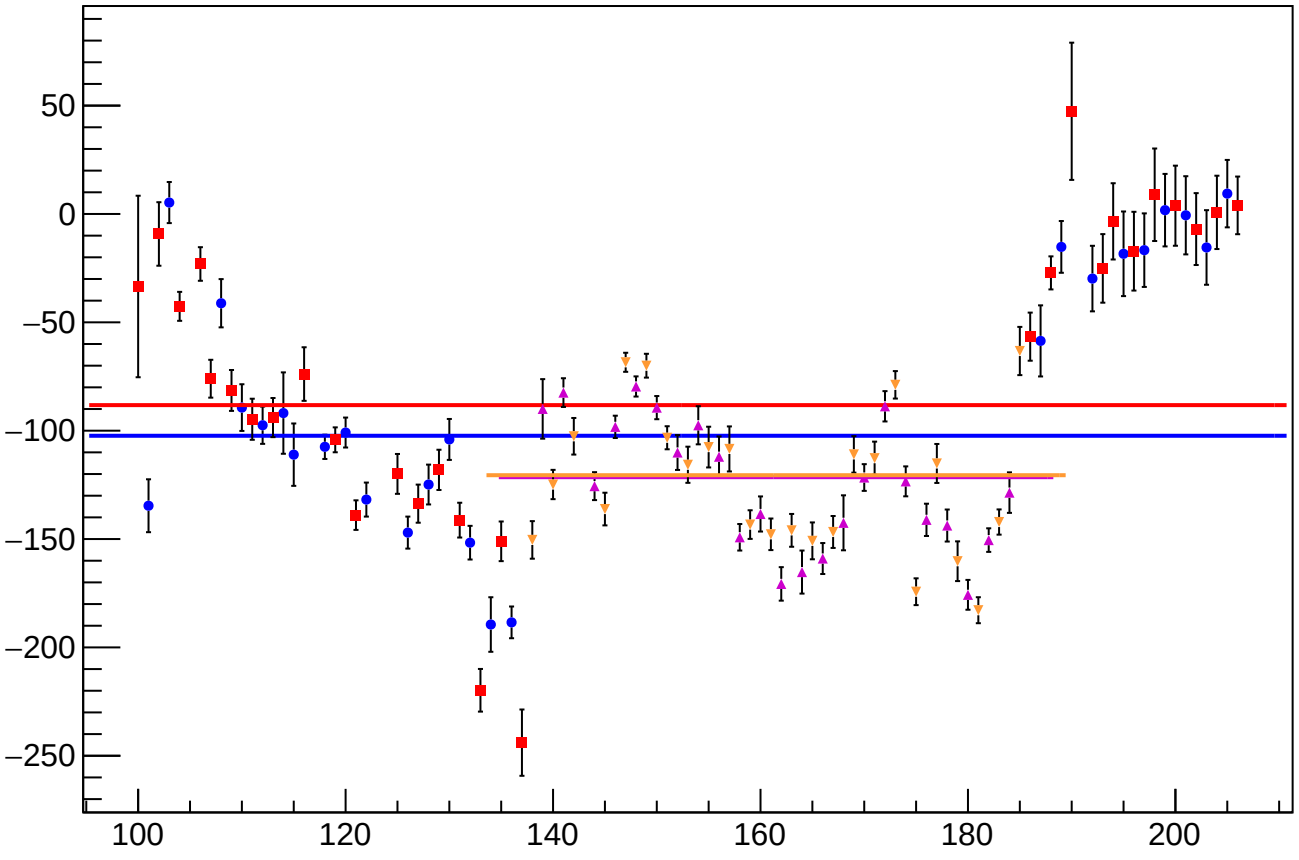
Right Out: -402.800+/-1.431 χ^2/NDF: 10653.9/28

Left In: -385.725+/-1.677 χ^2/NDF:2361.2/22

+ sign -392.963+/-1.189 χ^2/NDF: 7472.6/48

All: -394.400+/-0.803 χ^2/NDF: 20550.4/100

- sign -395.606+/-1.088 χ^2/NDF: 13075.1/51



Right In: -102.343+/-2.029 χ^2/NDF: 727.5/24

Left Out: -120.541+/-1.435 χ^2/NDF:611.5/23

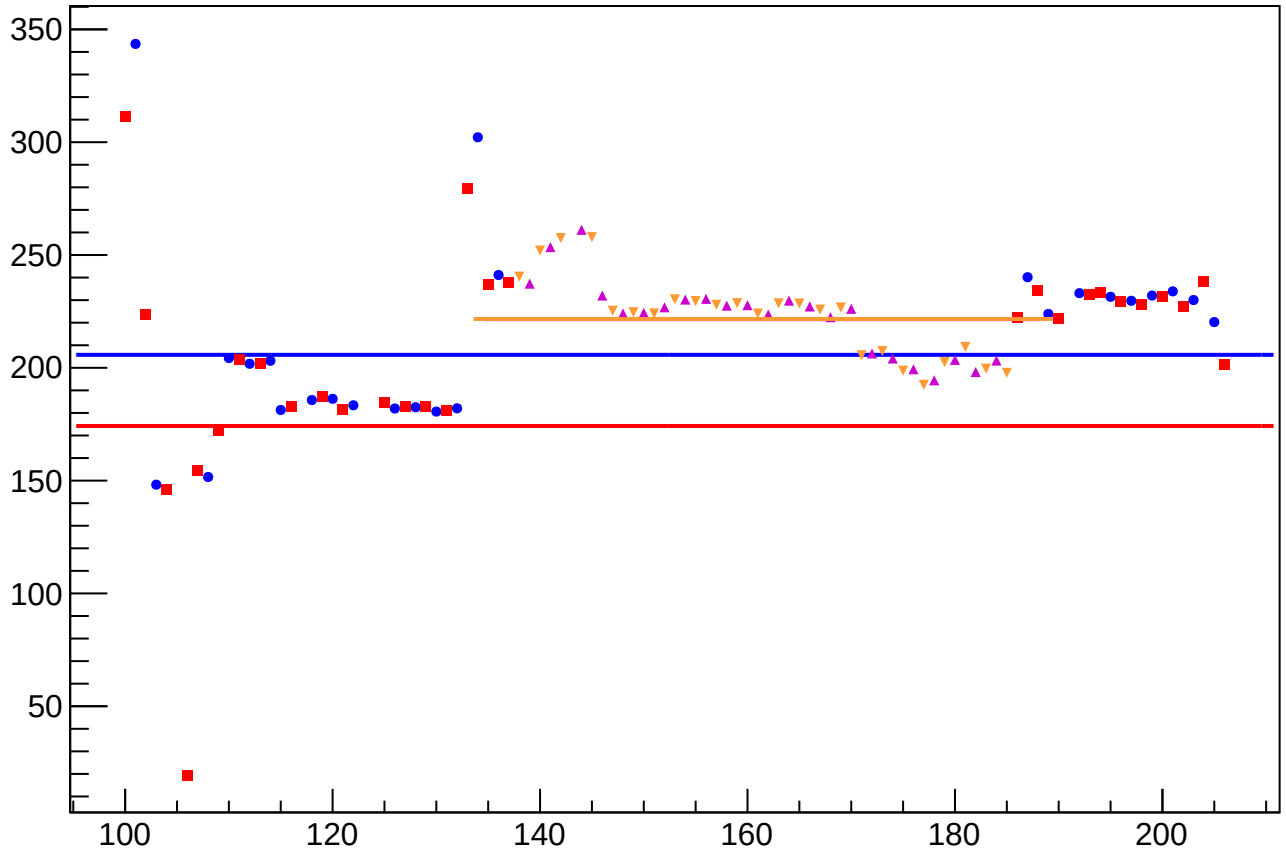
Right Out: -88.205+/-1.879 χ^2/NDF: 927.9/28

Left In: -121.453+/-1.450 χ^2/NDF:432.6/22

+ sign -114.470+/-1.172 χ^2/NDF: 1392.6/48

All: -111.703+/-0.820 χ^2/NDF: 2960.4/100

- sign -109.047+/-1.148 χ^2/NDF: 1556.8/51



Right In: 205.757+/-0.105 χ^2/NDF: 201098.4/24

Left Out: 221.652+/-0.067 χ^2/NDF:67213.0/23

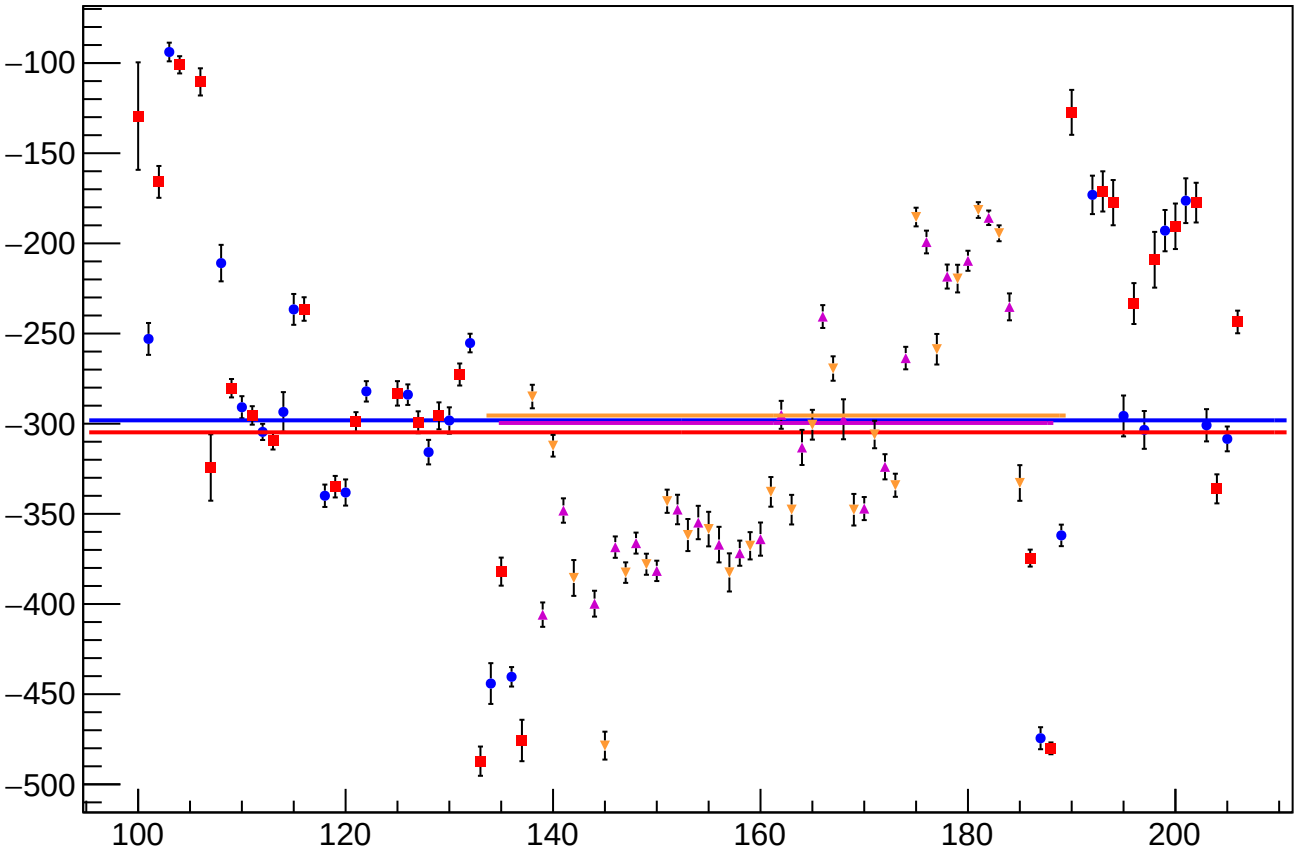
Right Out: 174.221+/-0.092 χ^2/NDF: 650276.6/28

Left In: 221.574+/-0.066 χ^2/NDF:62122.0/22

\+ sign 217.059+/-0.056 χ^2/NDF: 284730.3/48

All: 210.973+/-0.039 χ^2/NDF: 1194109.7/100

\- sign 205.413+/-0.054 χ^2/NDF: 886956.1/51



Right In: -298.142+/-1.395 χ^2/NDF: 4009.2/24

Left Out: -295.464+/-1.393 χ^2/NDF:3346.3/23

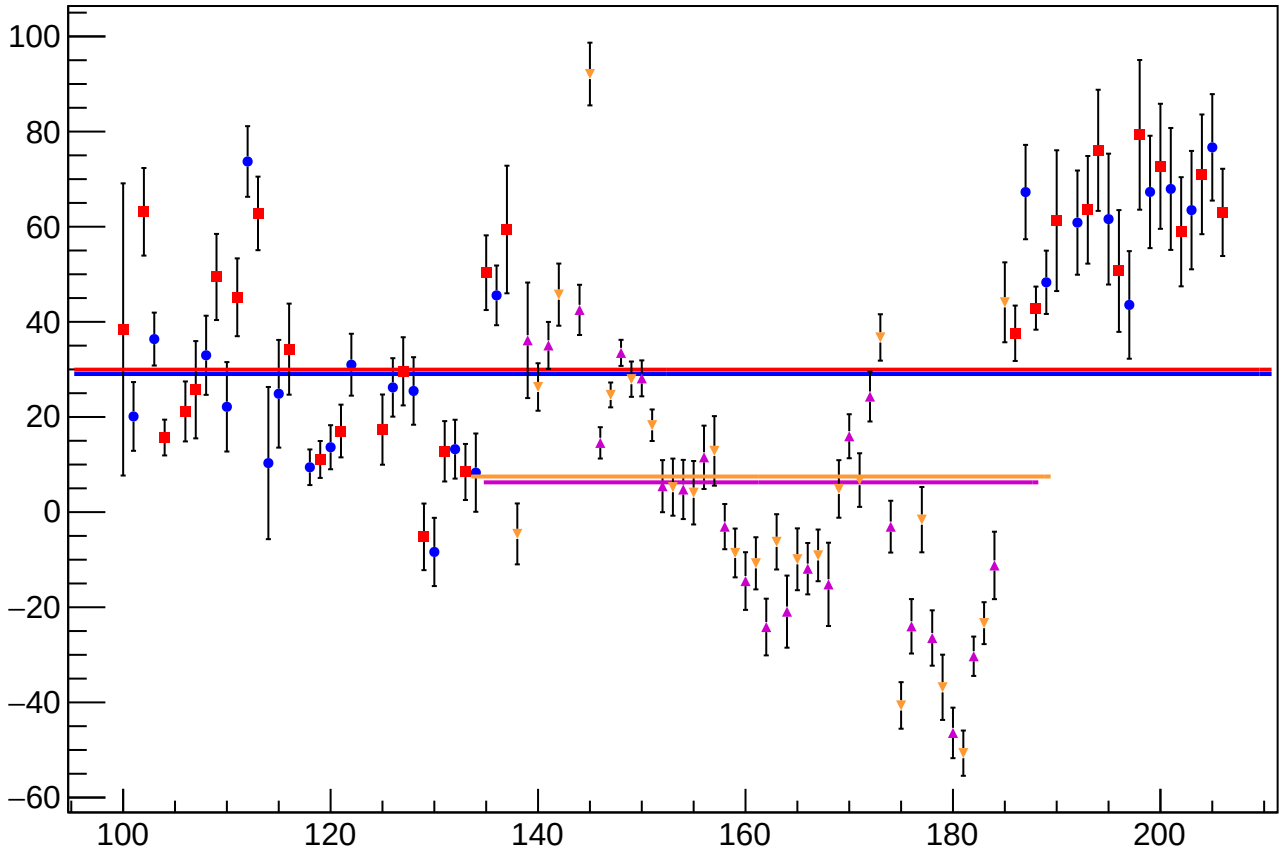
Right Out: -304.793+/-1.248 χ^2/NDF: 7725.4/28

Left In: -299.588+/-1.397 χ^2/NDF:2971.7/22

+ sign -296.801+/-0.986 χ^2/NDF: 7357.4/48

All: -299.804+/-0.677 χ^2/NDF: 18079.8/100

- sign -302.482+/-0.931 χ^2/NDF: 10704.8/51



Right In: 29.032+/-1.470 χ^2/NDF: 212.2/24

Left Out: 7.486+/-1.030 χ^2/NDF:738.5/23

Right Out: 29.951+/-1.355 χ^2/NDF: 234.7/28

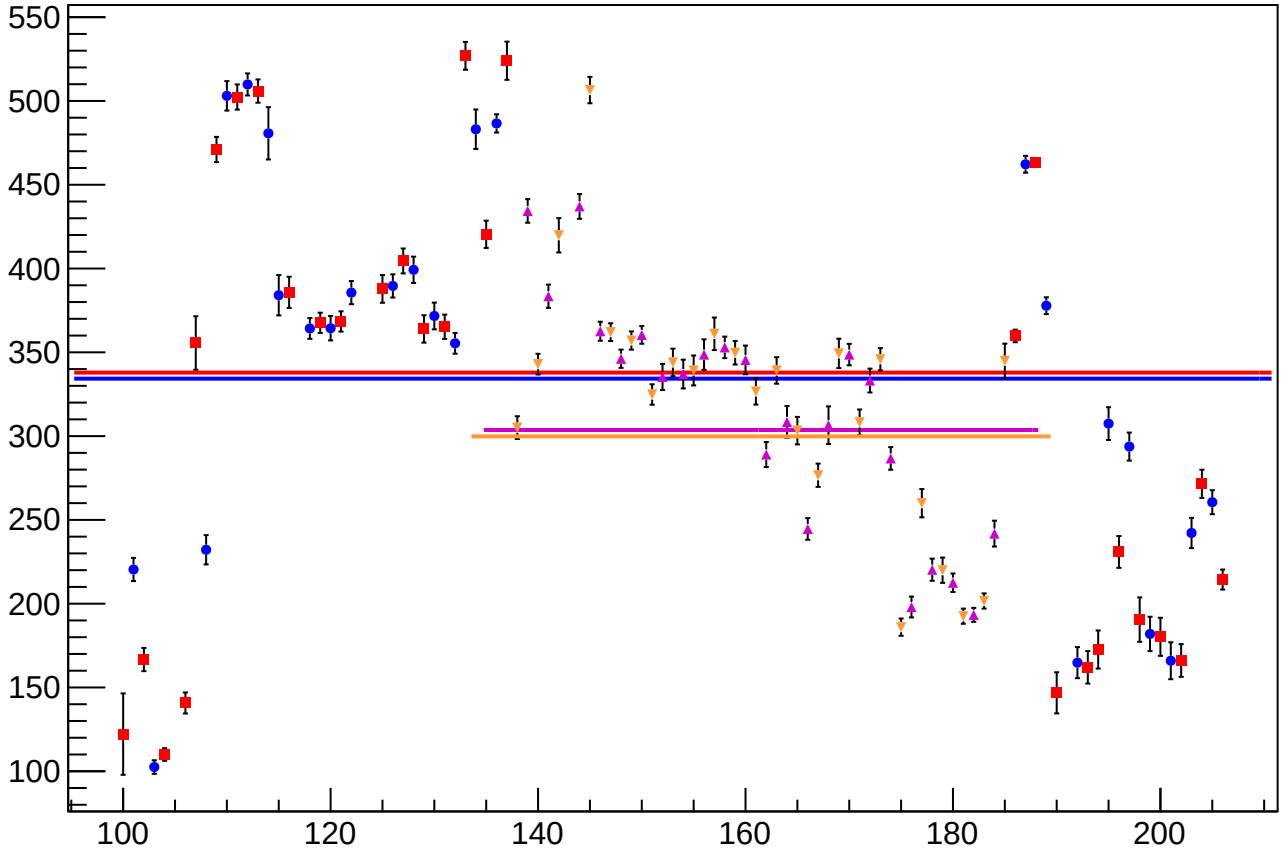
Left In: 6.259+/-1.045 χ^2/NDF:559.4/22

\+ sign 14.574+/-0.843 χ^2/NDF: 1094.8/48

All: 14.838+/-0.591 χ^2/NDF: 2080.7/100

\- sign 15.092+/-0.828 χ^2/NDF: 985.8/51

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 334.291+/-1.425 χ^2/NDF: 7804.8/24

Left Out: 299.825+/-1.381 χ^2/NDF:3076.1/23

Right Out: 337.905+/-1.226 χ^2/NDF: 12140.9/28

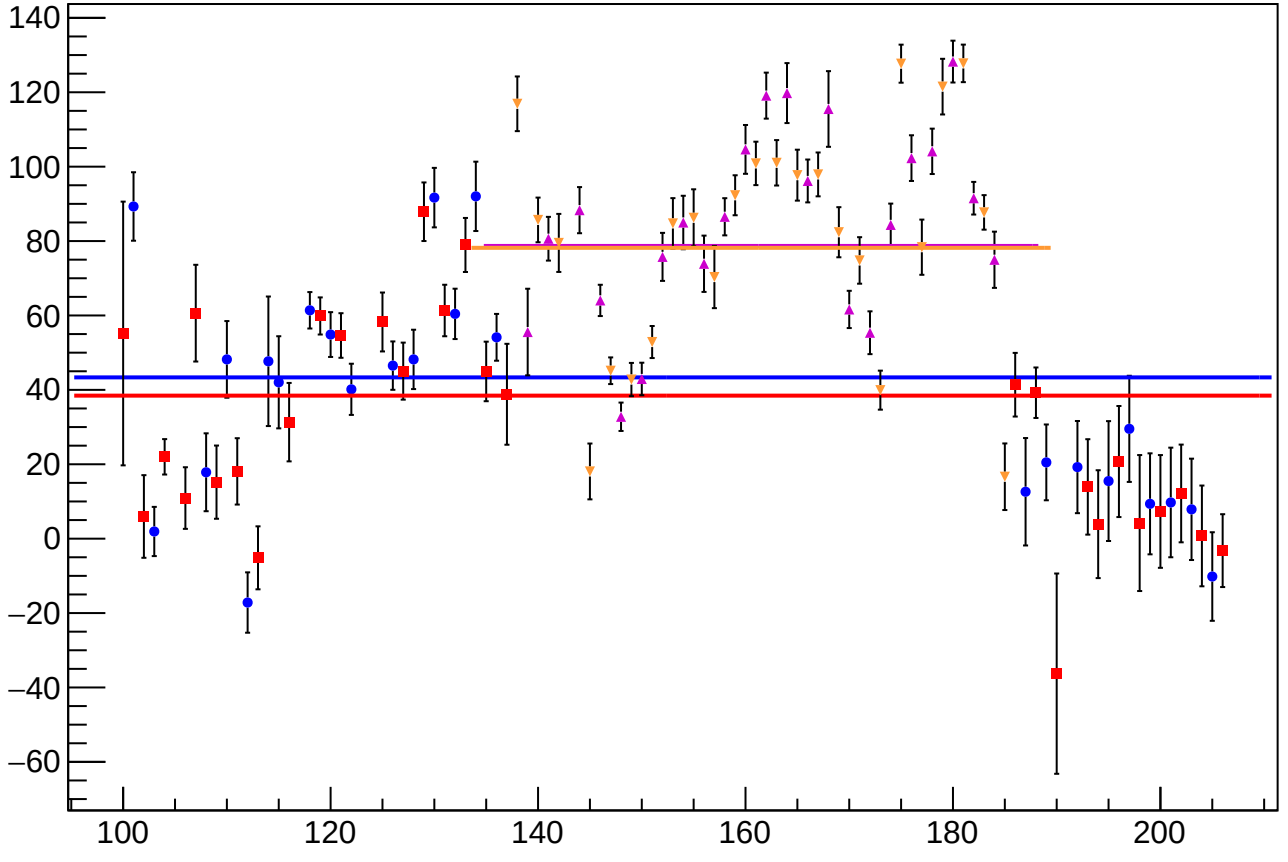
Left In: 303.652+/-1.383 χ^2/NDF:2872.6/22

+ sign 316.523+/-0.992 χ^2/NDF: 11182.6/48

All: 319.924+/-0.673 χ^2/NDF: 26561.7/100

- sign 322.833+/-0.917 χ^2/NDF: 15357.2/51

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 43.355+/-1.729 χ^2/NDF: 272.9/24

Left Out: 78.181+/-1.185 χ^2/NDF:663.3/23

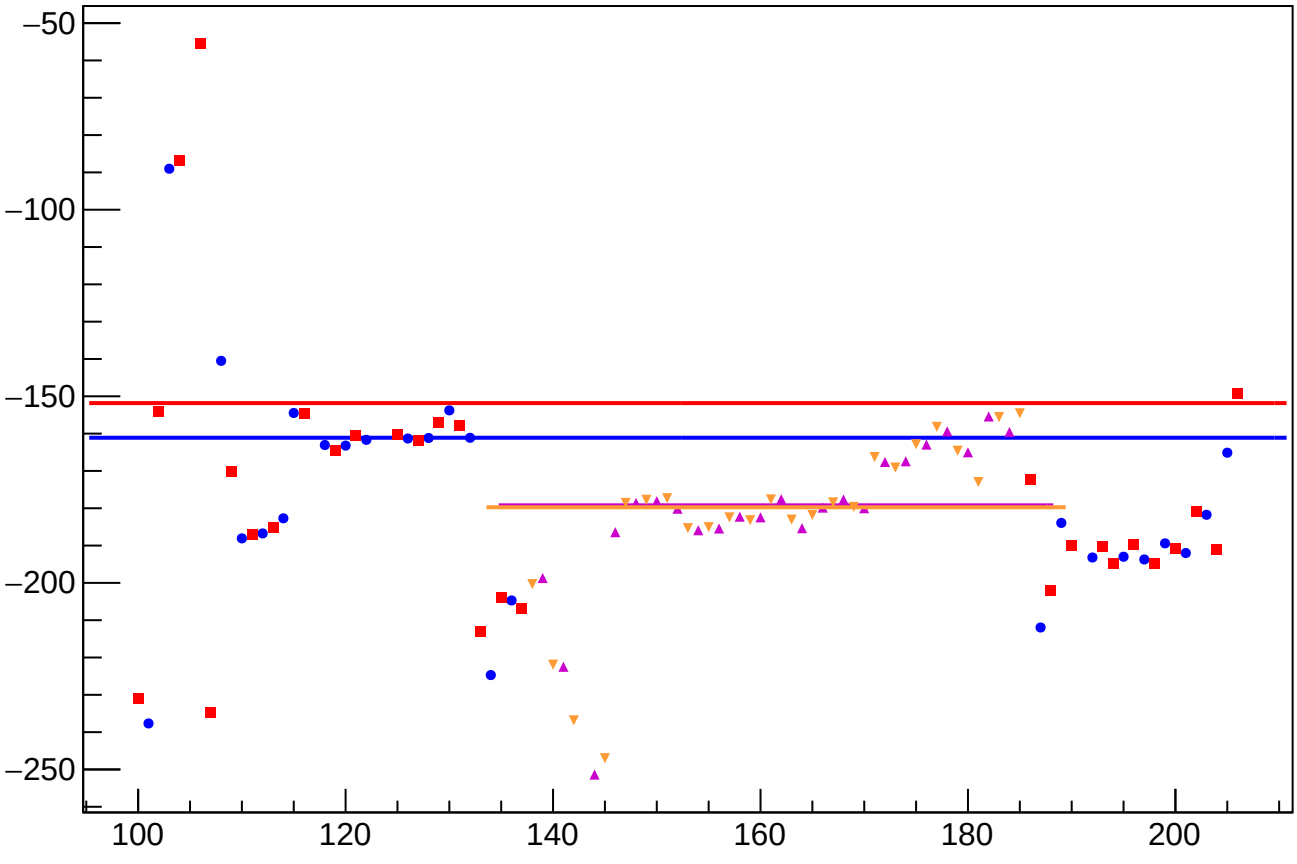
Right Out: 38.449+/-1.625 χ^2/NDF: 243.4/28

Left In: 78.689+/-1.195 χ^2/NDF:488.6/22

\+ sign 67.059+/-0.977 χ^2/NDF: 1212.3/48

All: 65.797+/-0.686 χ^2/NDF: 2345.4/100

\- sign 64.573+/-0.963 χ^2/NDF: 1129.9/51



Right In: -161.106+/-0.085 χ^2/NDF: 303550.9/24

Left Out: -179.738+/-0.055 χ^2/NDF:132199.5/23

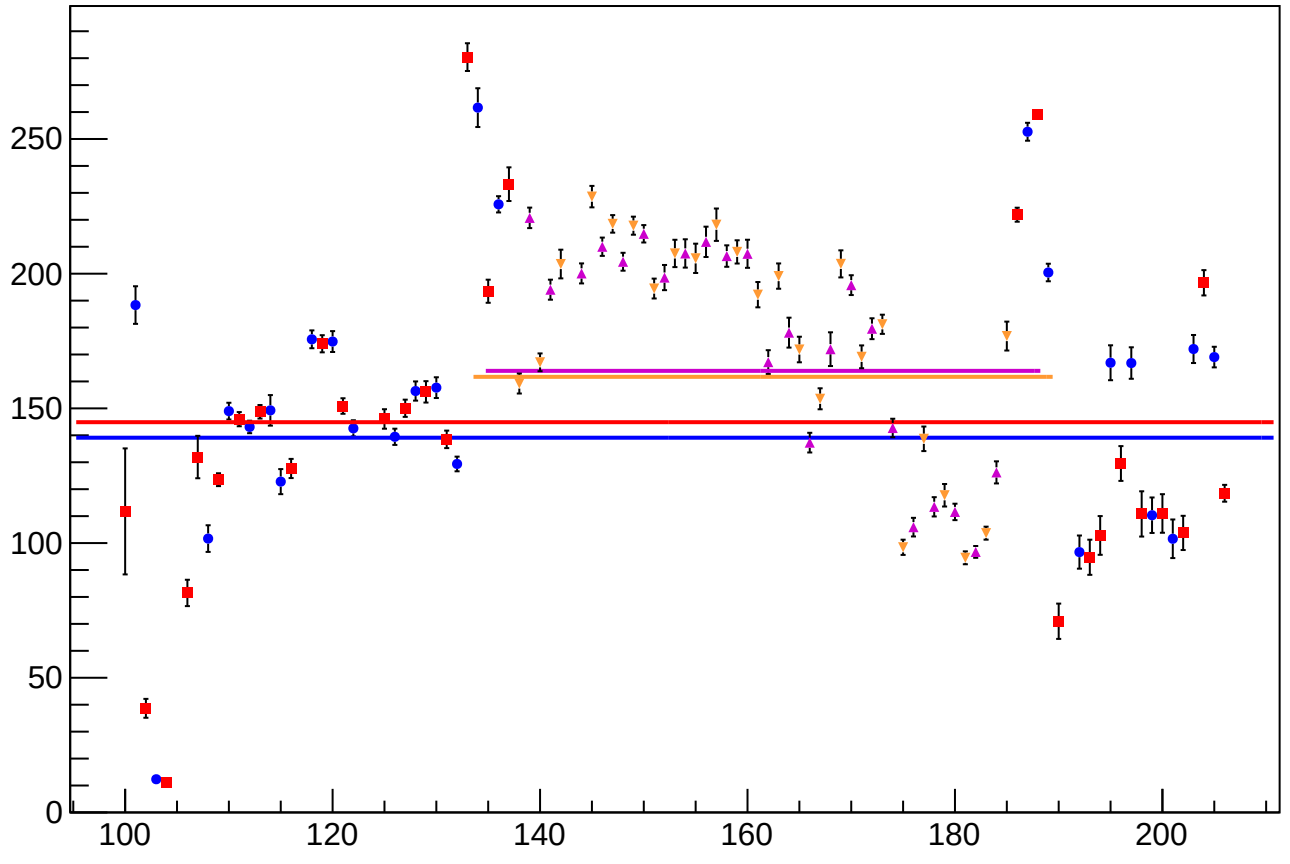
Right Out: -151.820+/-0.079 χ^2/NDF: 418161.3/28

Left In: -179.219+/-0.055 χ^2/NDF:113522.5/22

+ sign -174.219+/-0.046 χ^2/NDF: 469747.3/48

All: -172.239+/-0.032 χ^2/NDF: 1086608.5/10

- sign -170.369+/-0.045 χ^2/NDF: 613281.0/51



Right In: 139.113+/-0.719 χ^2/NDF: 8140.4/24

Left Out: 161.708+/-0.776 χ^2/NDF:3587.3/23

Right Out: 144.875+/-0.641 χ^2/NDF: 13288.6/28

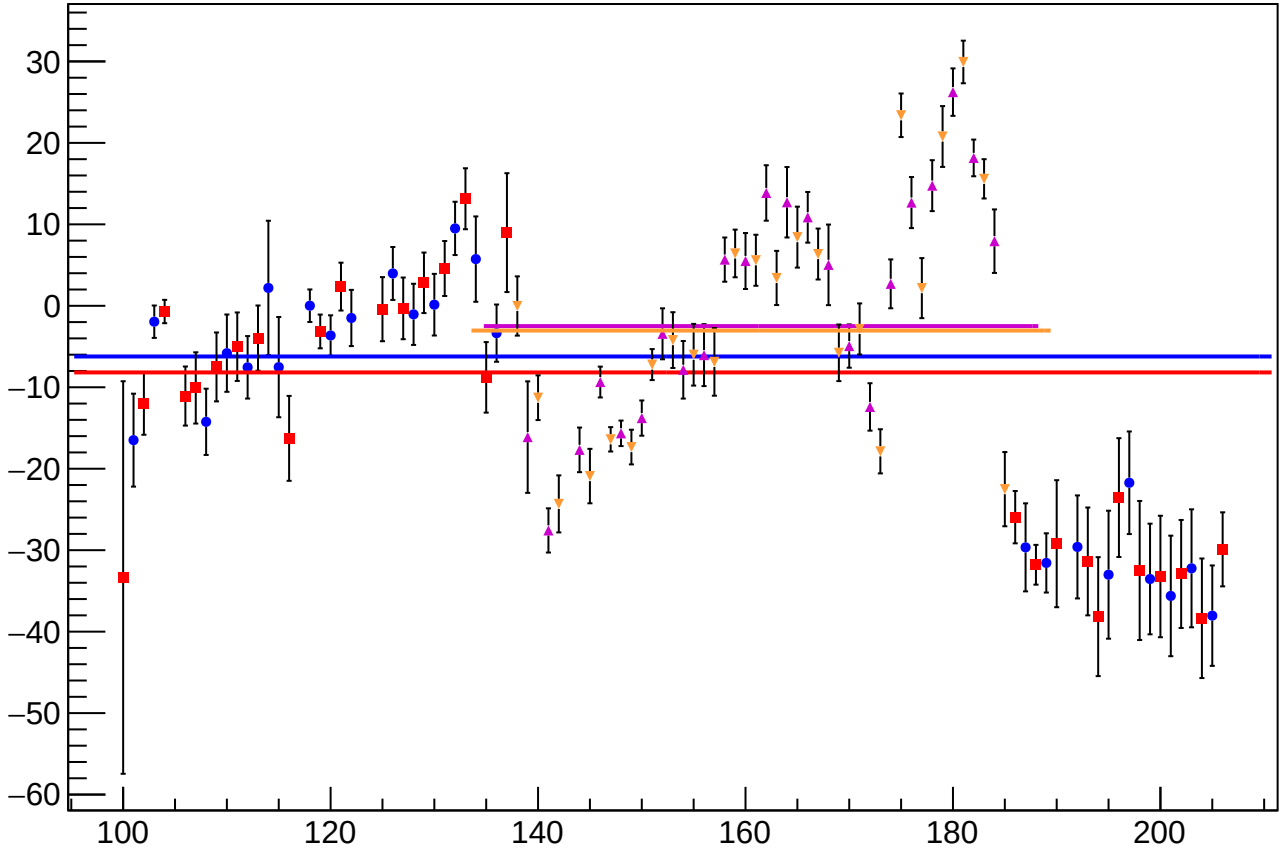
Left In: 163.927+/-0.779 χ^2/NDF:3335.5/22

+ sign 149.551+/-0.528 χ^2/NDF: 12183.6/48

All: 151.152+/-0.361 χ^2/NDF: 29181.6/100

- sign 152.560+/-0.495 χ^2/NDF: 16980.7/51

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -6.222+/-0.766 χ^2/NDF: 239.4/24

Left Out: -3.038+/-0.578 χ^2/NDF:654.5/23

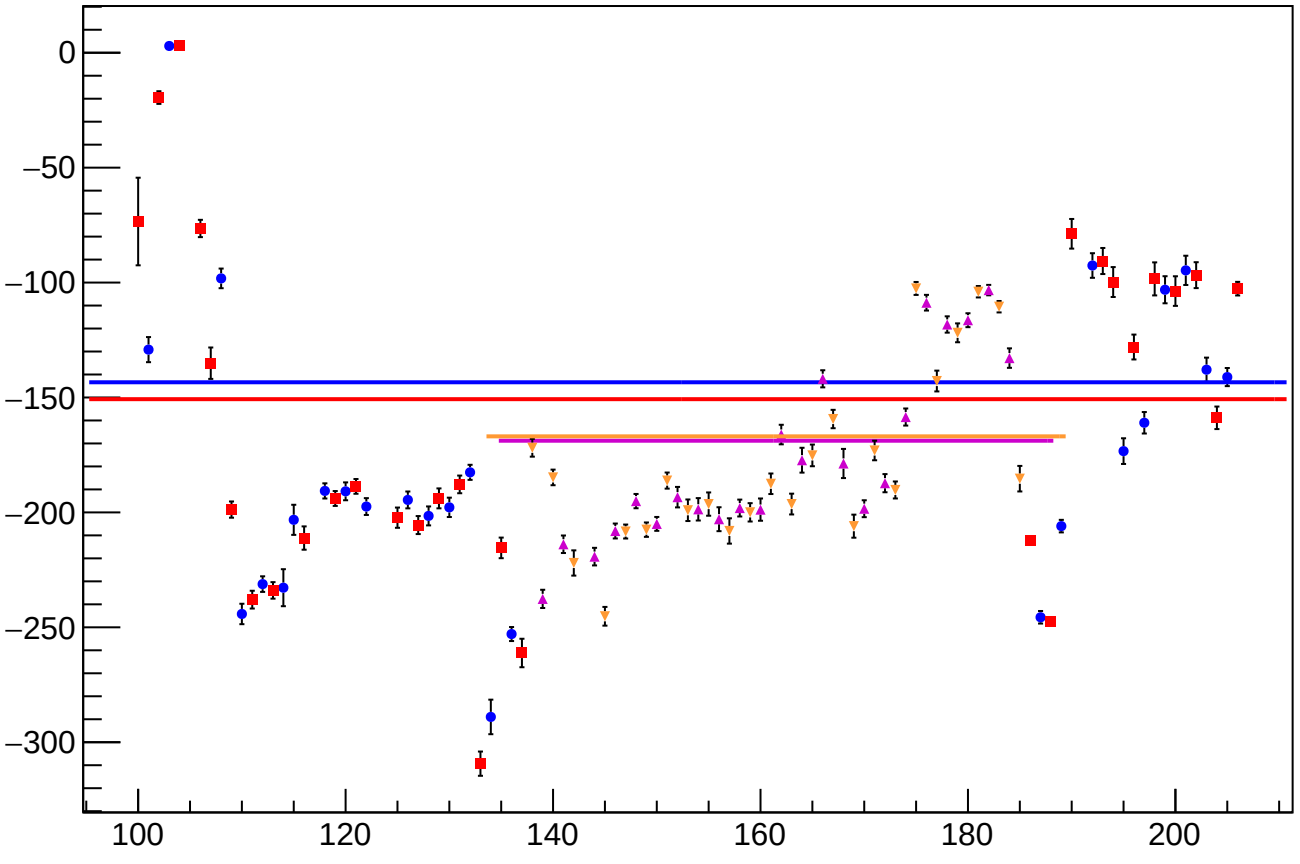
Right Out: -8.178+/-0.682 χ^2/NDF: 360.4/28

Left In: -2.492+/-0.587 χ^2/NDF:562.9/22

+ sign -4.193+/-0.462 χ^2/NDF: 904.9/48

All: -4.565+/-0.320 χ^2/NDF: 1869.4/100

- sign -4.910+/-0.445 χ^2/NDF: 963.2/51



Right In: -143.383+/-0.720 χ^2/NDF: 17123.3/24

Left Out: -166.912+/-0.771 χ^2/NDF:3096.2/23

Right Out: -150.733+/-0.621 χ^2/NDF: 24023.4/28

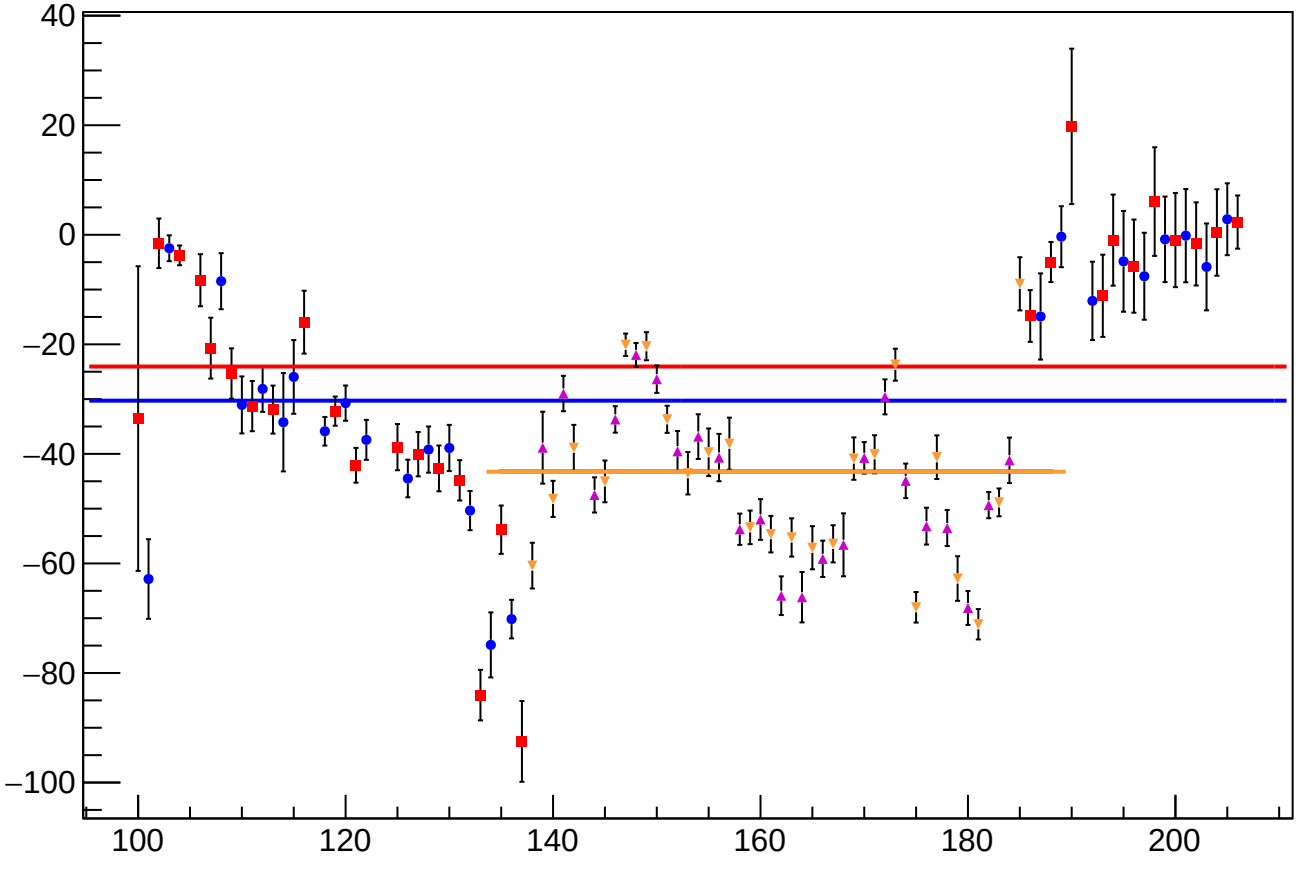
Left In: -168.810+/-0.772 χ^2/NDF:3059.5/22

+ sign -154.341+/-0.526 χ^2/NDF: 20717.3/48

All: -156.233+/-0.356 χ^2/NDF: 48156.7/100

- sign -157.836+/-0.484 χ^2/NDF: 27415.4/51

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -30.284+/-0.901 χ^2/NDF: 545.3/24

Left Out: -43.251+/-0.664 χ^2/NDF:610.2/23

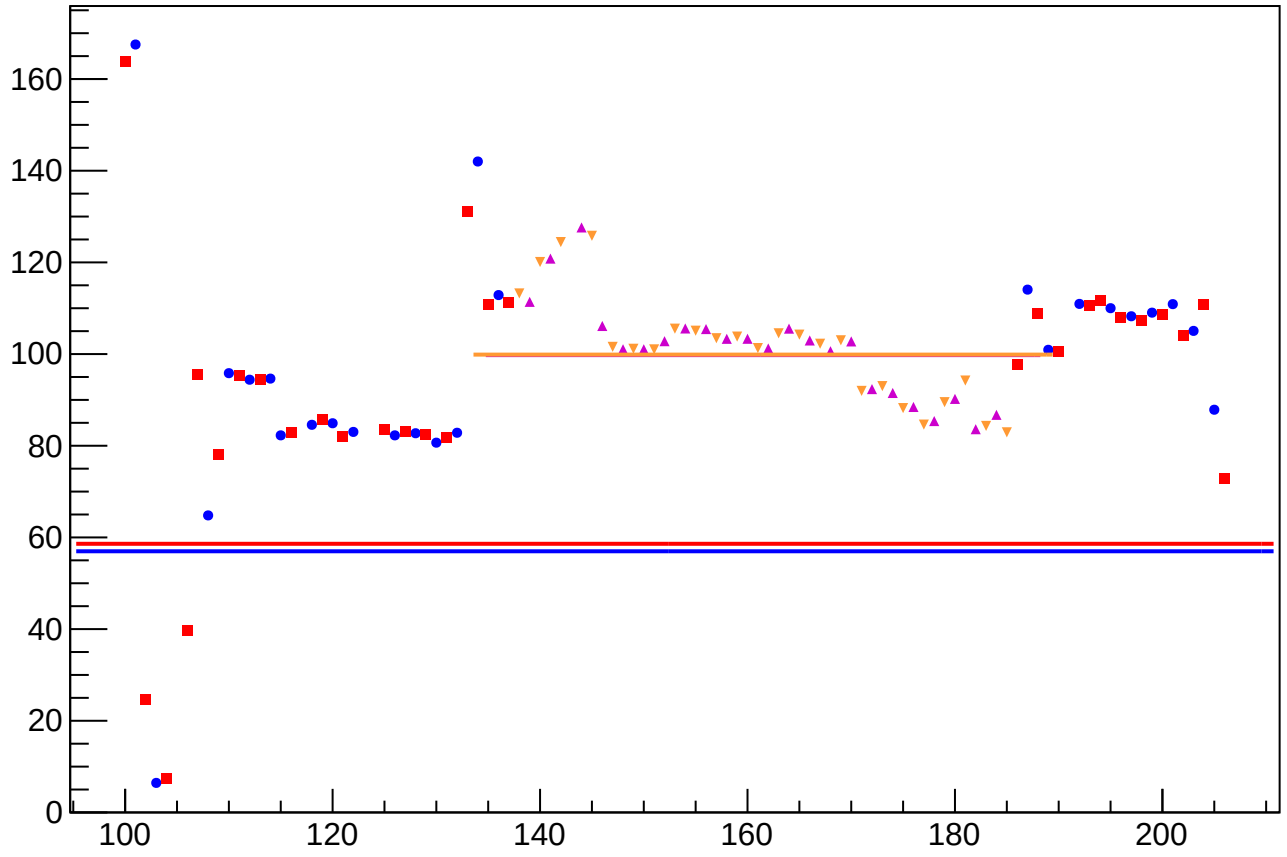
Right Out: -24.053+/-0.820 χ^2/NDF: 712.1/28

Left In: -43.207+/-0.670 χ^2/NDF:405.8/22

+ sign -38.684+/-0.534 χ^2/NDF: 1289.8/48

All: -37.067+/-0.372 χ^2/NDF: 2752.5/100

- sign -35.543+/-0.519 χ^2/NDF: 1444.9/51



Right In: 56.978+/-0.040 χ^2/NDF: 1482458.8/24

Left Out: 99.881+/-0.031 χ^2/NDF:123588.1/23

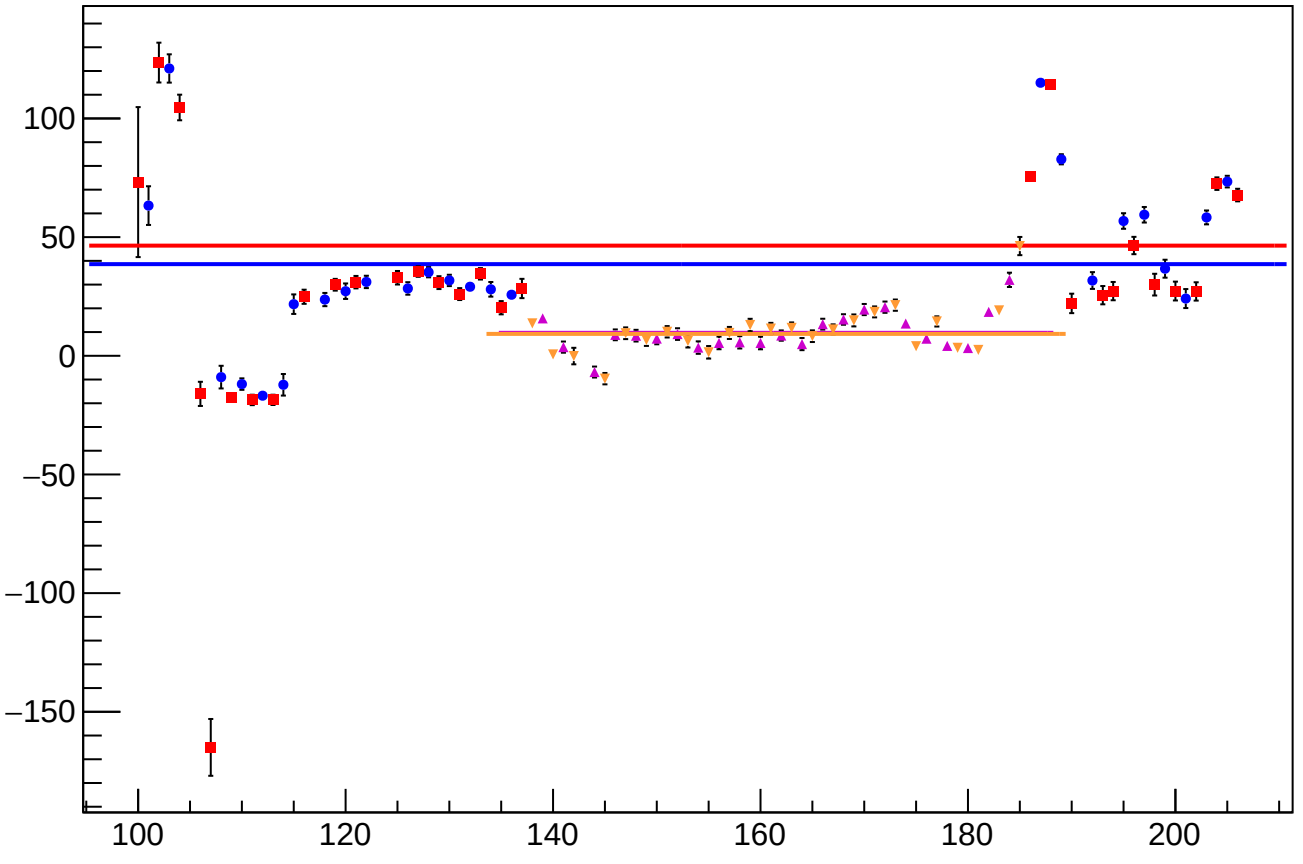
Right Out: 58.610+/-0.039 χ^2/NDF: 1288958.3/28

Left In: 99.769+/-0.031 χ^2/NDF:113501.0/22

+ sign 83.980+/-0.024 χ^2/NDF: 2326702.6/48

All: 83.953+/-0.017 χ^2/NDF: 4427683.5/100

- sign 83.928+/-0.024 χ^2/NDF: 2100978.6/51



Right In: 38.620+/-0.553 χ^2/NDF: 4017.7/24

Left Out: 9.228+/-0.456 χ^2/NDF:327.5/23

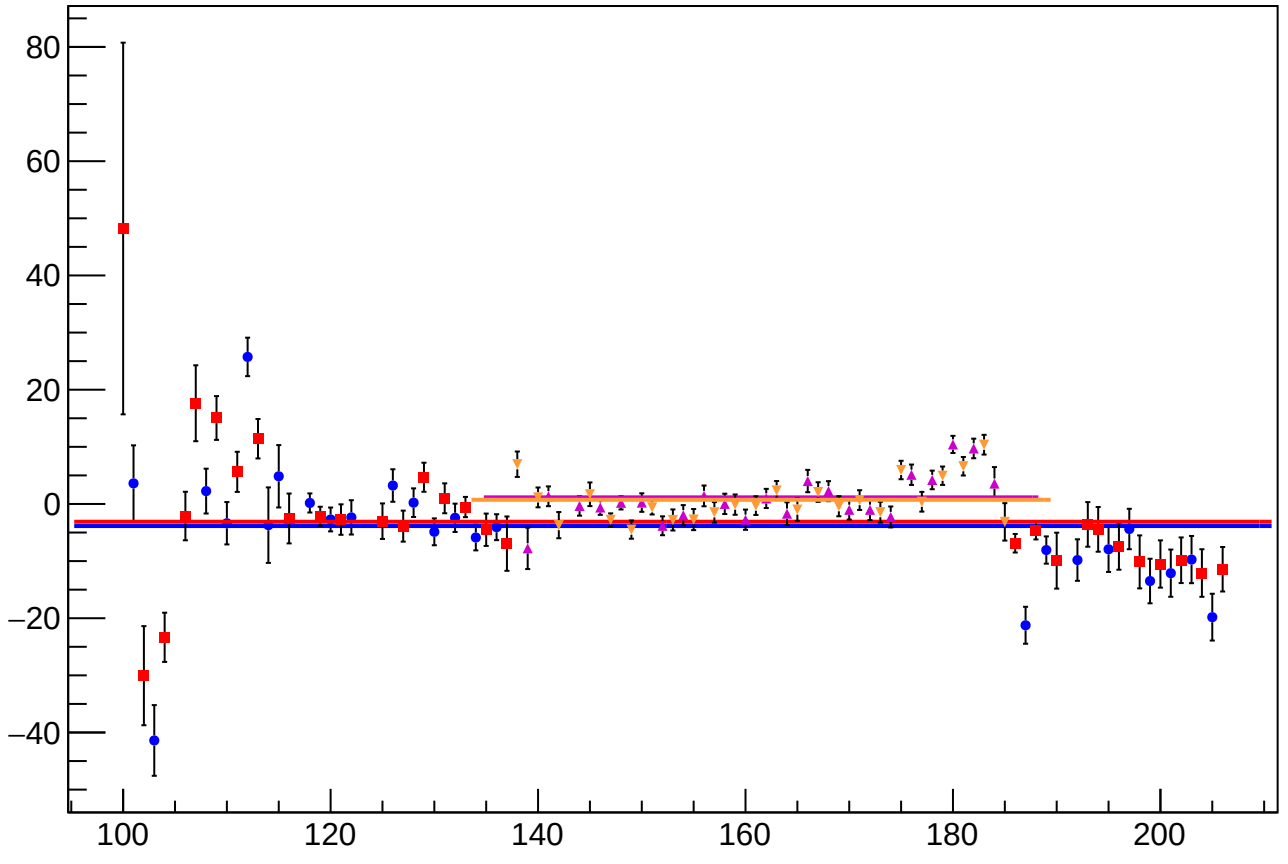
Right Out: 46.419+/-0.488 χ^2/NDF: 8005.0/28

Left In: 9.676+/-0.462 χ^2/NDF:246.7/22

\+ sign 21.144+/-0.352 χ^2/NDF: 6026.4/48

All: 24.231+/-0.243 χ^2/NDF: 17409.5/100

\- sign 27.040+/-0.336 χ^2/NDF: 11236.1/51



Right In: -3.866+/-0.600 χ^2/NDF: 199.8/24

Left Out: 0.730+/-0.350 χ^2/NDF:109.7/23

Right Out: -3.111+/-0.554 χ^2/NDF: 132.6/28

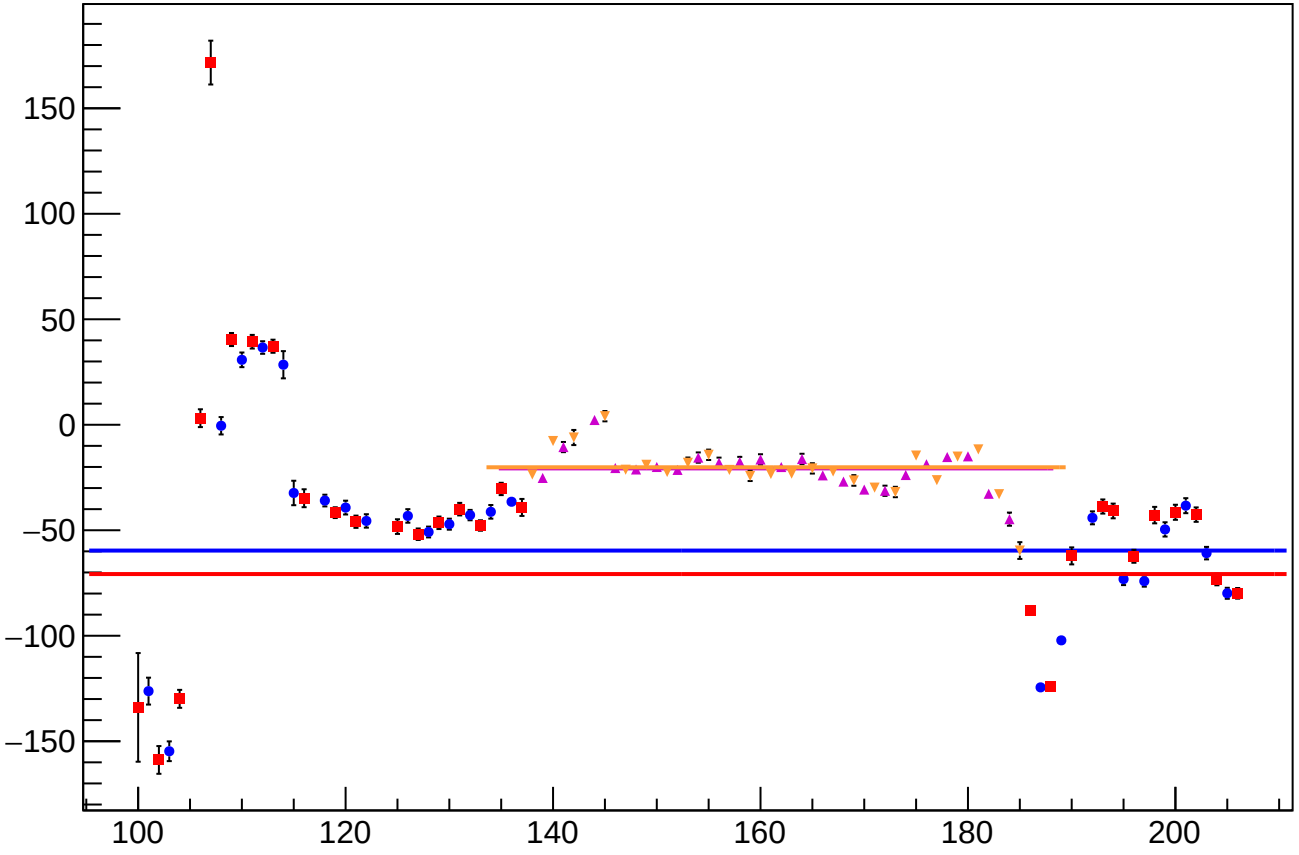
Left In: 1.156+/-0.358 χ^2/NDF:110.4/22

\+ sign -0.435+/-0.302 χ^2/NDF: 353.4/48

All: -0.265+/-0.213 χ^2/NDF: 638.9/100

\- sign -0.097+/-0.300 χ^2/NDF: 284.9/51

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -59.628+/-0.567 χ^2/NDF: 5406.8/24

Left Out: -20.151+/-0.452 χ^2/NDF:420.3/23

Right Out: -70.760+/-0.474 χ^2/NDF: 9658.8/28

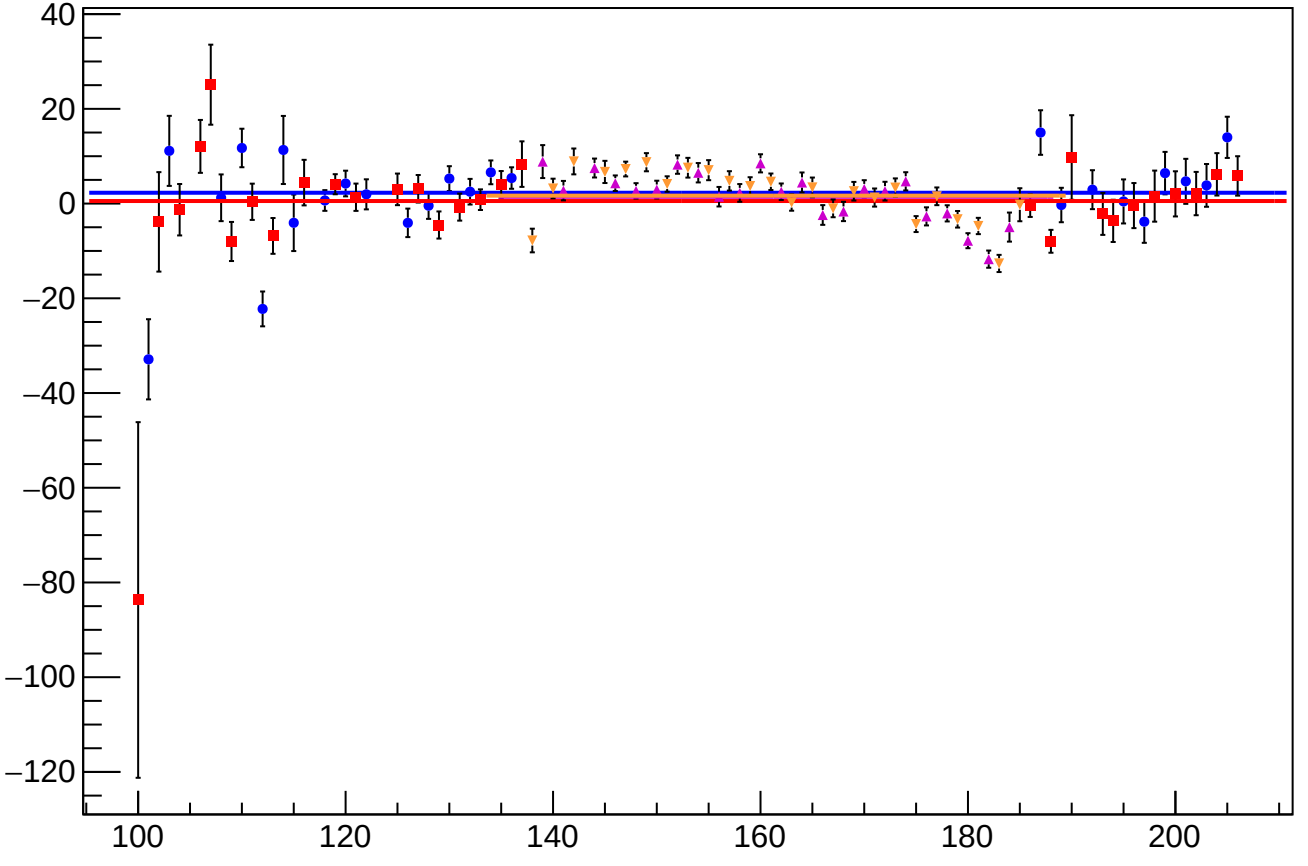
Left In: -20.683+/-0.458 χ^2/NDF:310.5/22

\+ sign -35.514+/-0.354 χ^2/NDF: 8789.9/48

All: -40.522+/-0.241 χ^2/NDF: 24915.1/100

\- sign -44.861+/-0.329 χ^2/NDF: 15750.7/51

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: 2.286+/-0.699 χ^2/NDF: 102.3/24

Left Out: 1.671+/-0.395 χ^2/NDF:178.0/23

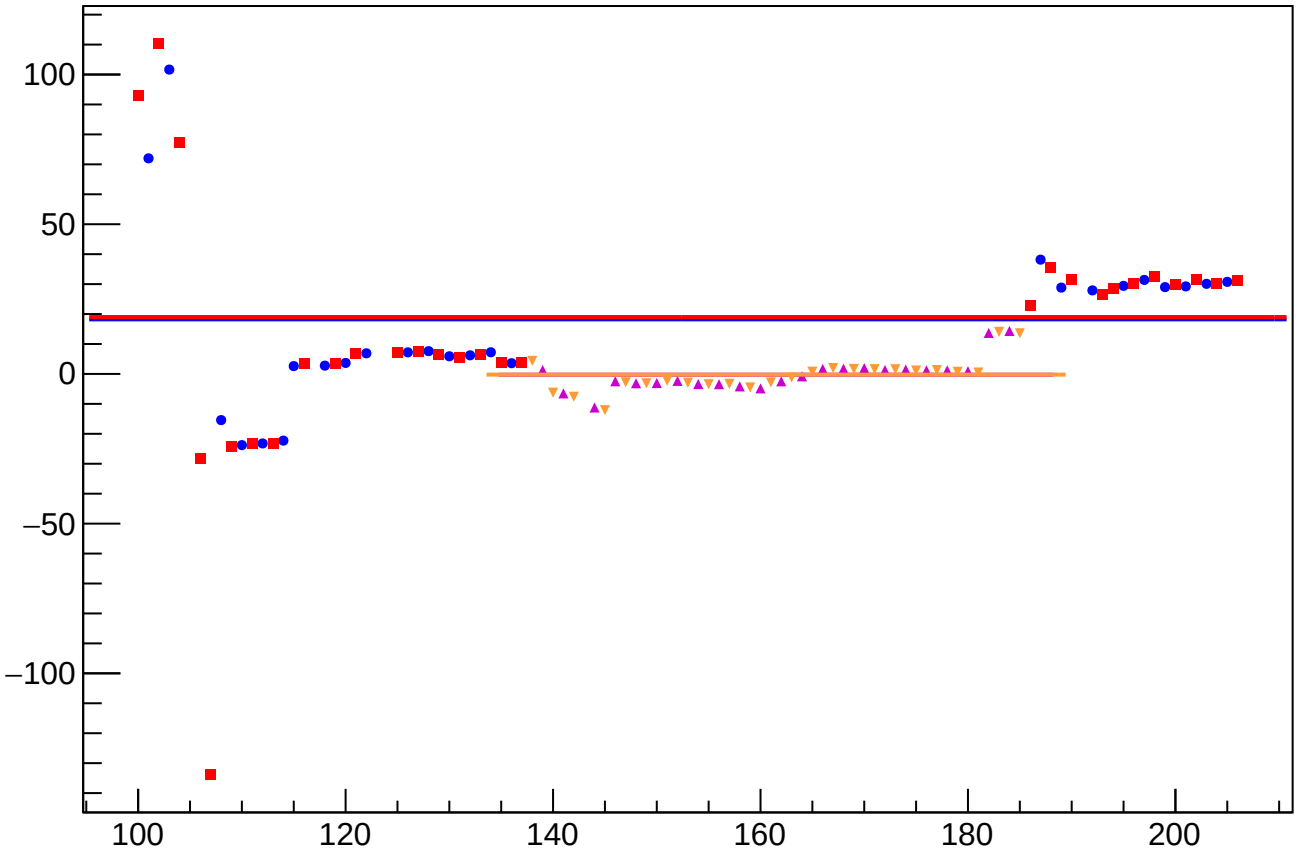
Right Out: 0.538+/-0.668 χ^2/NDF: 56.8/28

Left In: 1.428+/-0.403 χ^2/NDF:162.8/22

\+ sign 1.820+/-0.344 χ^2/NDF: 280.8/48

All: 1.506+/-0.243 χ^2/NDF: 503.4/100

\- sign 1.191+/-0.345 χ^2/NDF: 220.9/51



Right In: 18.228+/-0.035 χ^2/NDF: 407861.0/24

Left Out: -0.229+/-0.018 χ^2/NDF:80976.2/23

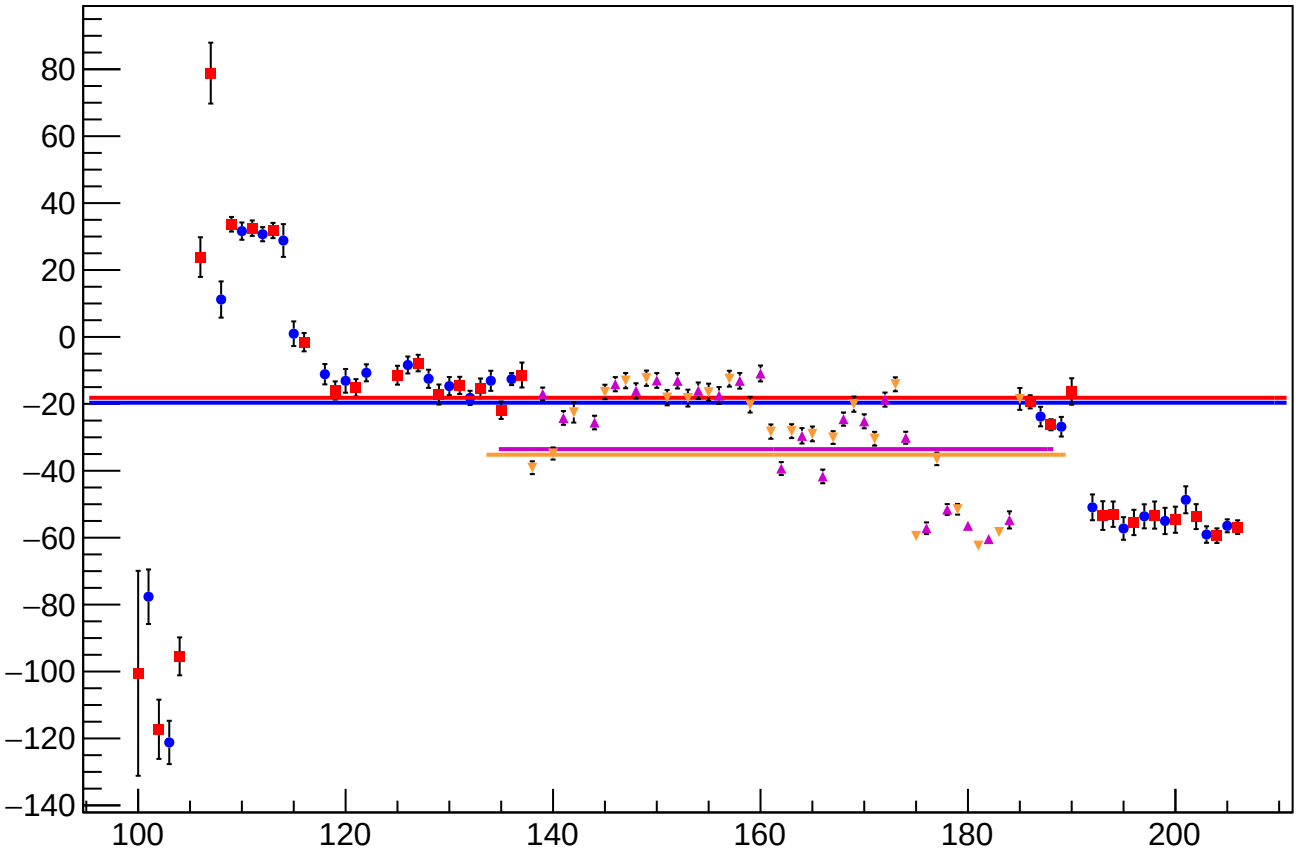
Right Out: 19.000+/-0.034 χ^2/NDF: 588859.9/28

Left In: -0.270+/-0.018 χ^2/NDF:72783.3/22

+ sign 3.456+/-0.016 χ^2/NDF: 707470.9/48

All: 3.639+/-0.011 χ^2/NDF: 1619942.0/100

- sign 3.821+/-0.016 χ^2/NDF: 912202.0/51



Right In: -19.659+/-0.578 χ^2/NDF: 2525.8/24

Left Out: -35.201+/-0.408 χ^2/NDF:1850.7/23

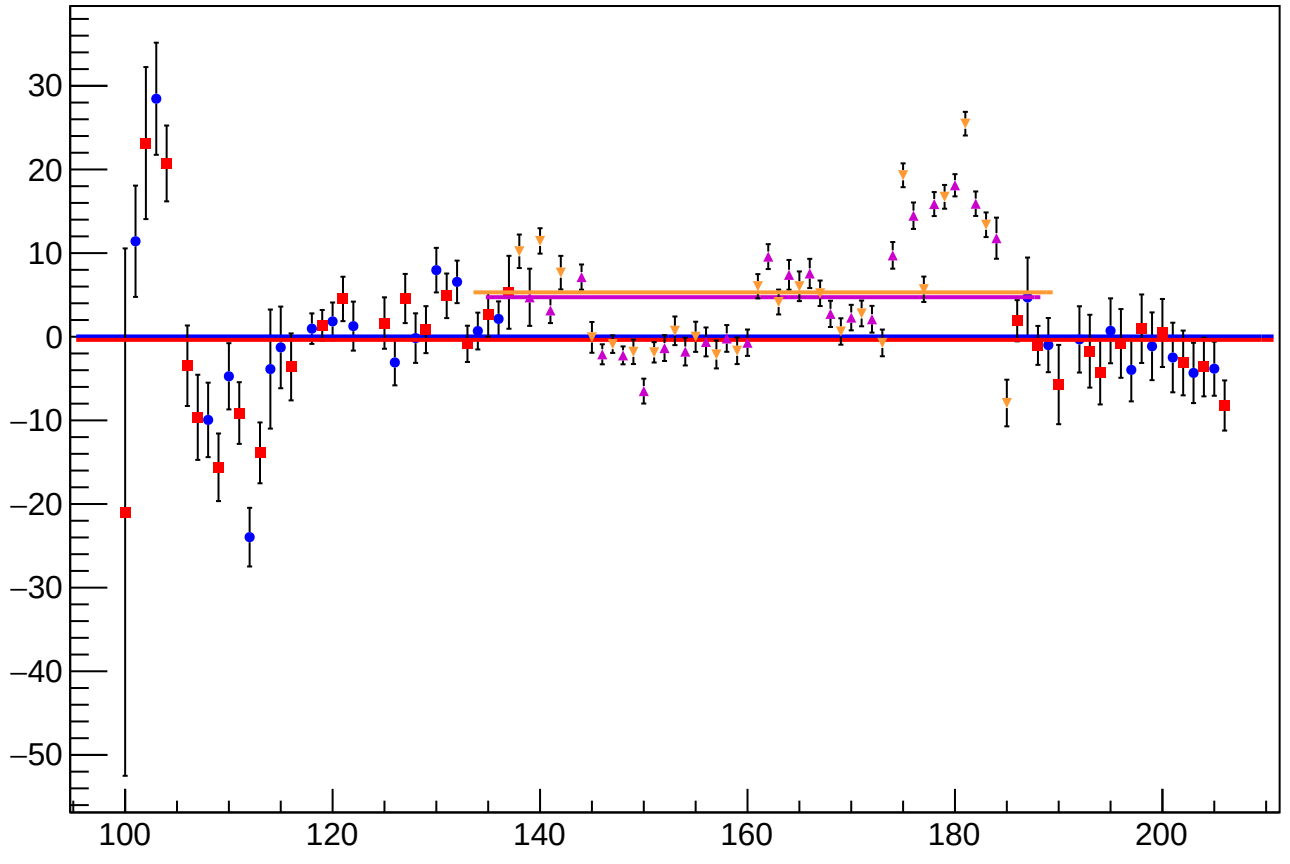
Right Out: -18.192+/-0.534 χ^2/NDF: 3314.3/28

Left In: -33.528+/-0.414 χ^2/NDF:1806.1/22

+ sign -30.025+/-0.333 χ^2/NDF: 4859.4/48

All: -28.880+/-0.233 χ^2/NDF: 10518.4/100

- sign -27.777+/-0.327 χ^2/NDF: 5635.8/51



Right In: 0.035+/-0.630 χ^2/NDF: 99.0/24

Left Out: 5.307+/-0.315 χ^2/NDF:624.4/23

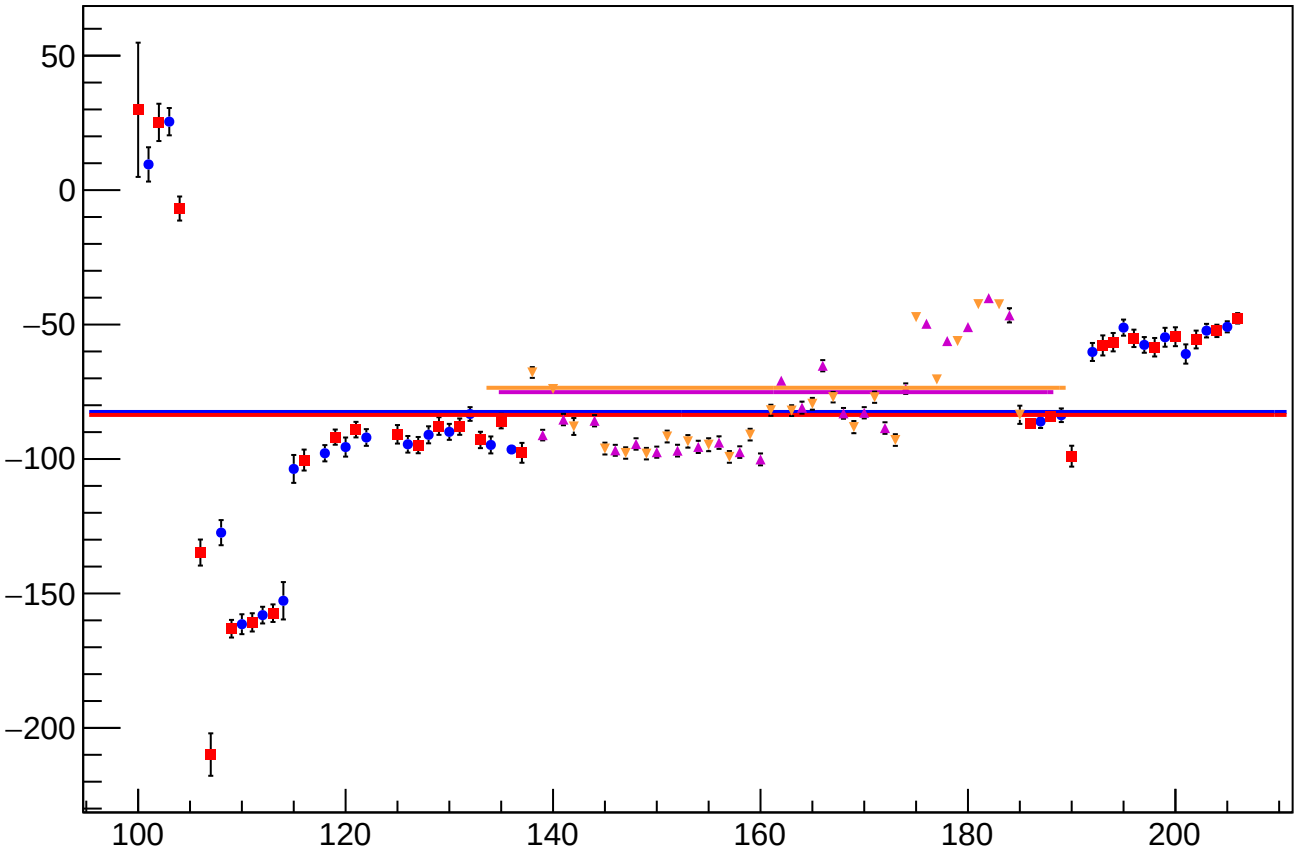
Right Out: -0.373+/-0.608 χ^2/NDF: 93.1/28

Left In: 4.727+/-0.321 χ^2/NDF:496.0/22

+ sign 4.252+/-0.282 χ^2/NDF: 779.5/48

All: 3.935+/-0.200 χ^2/NDF: 1426.2/100

- sign 3.614+/-0.284 χ^2/NDF: 644.1/51



Right In: -82.505+/-0.607 χ^2/NDF: 2778.6/24

Left Out: -73.506+/-0.405 χ^2/NDF:2392.0/23

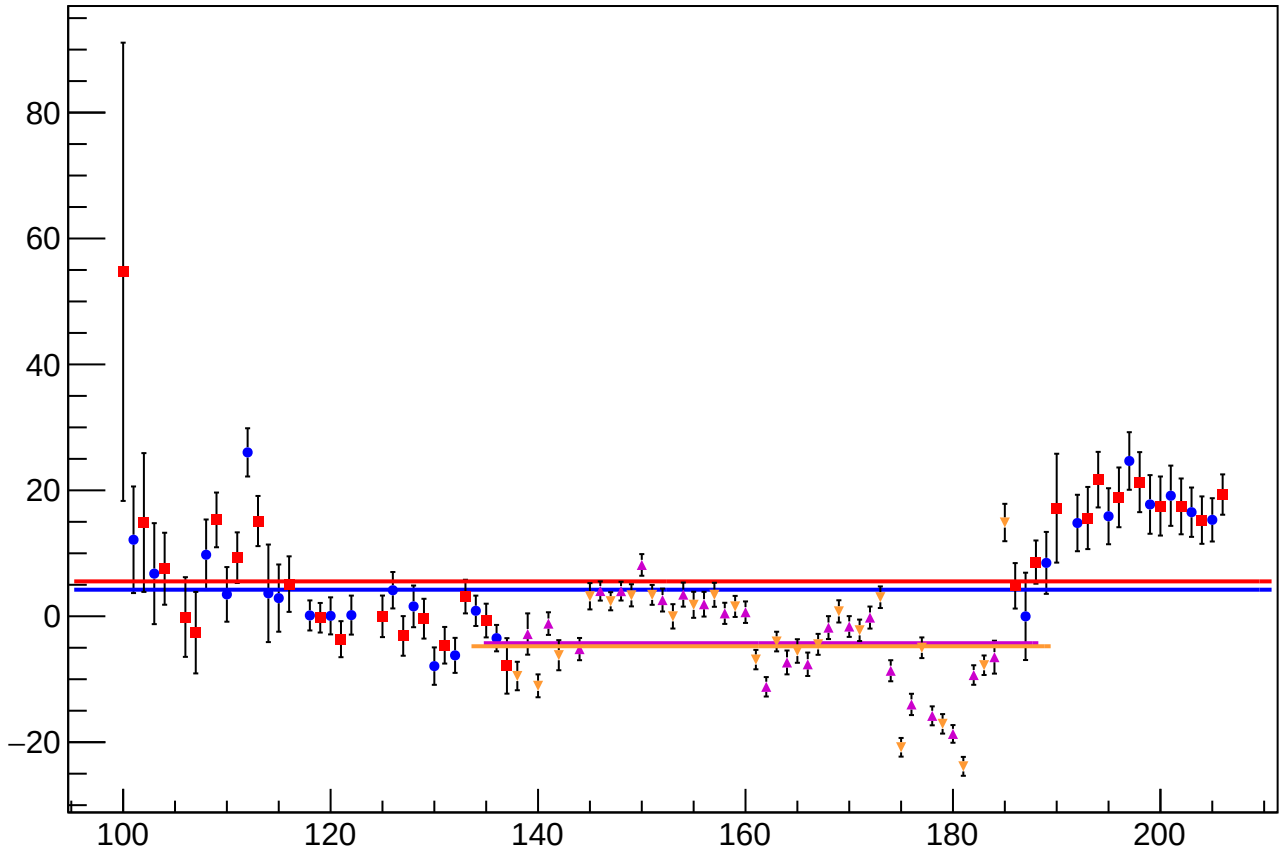
Right Out: -83.600+/-0.541 χ^2/NDF: 3548.6/28

Left In: -75.133+/-0.410 χ^2/NDF:2361.9/22

\+ sign -76.280+/-0.337 χ^2/NDF: 5322.5/48

All: -77.282+/-0.235 χ^2/NDF: 11405.8/100

\- sign -78.223+/-0.327 χ^2/NDF: 6066.1/51



Right In: 4.219+/-0.719 χ^2/NDF: 159.9/24

Left Out: -4.762+/-0.355 χ^2/NDF:576.9/23

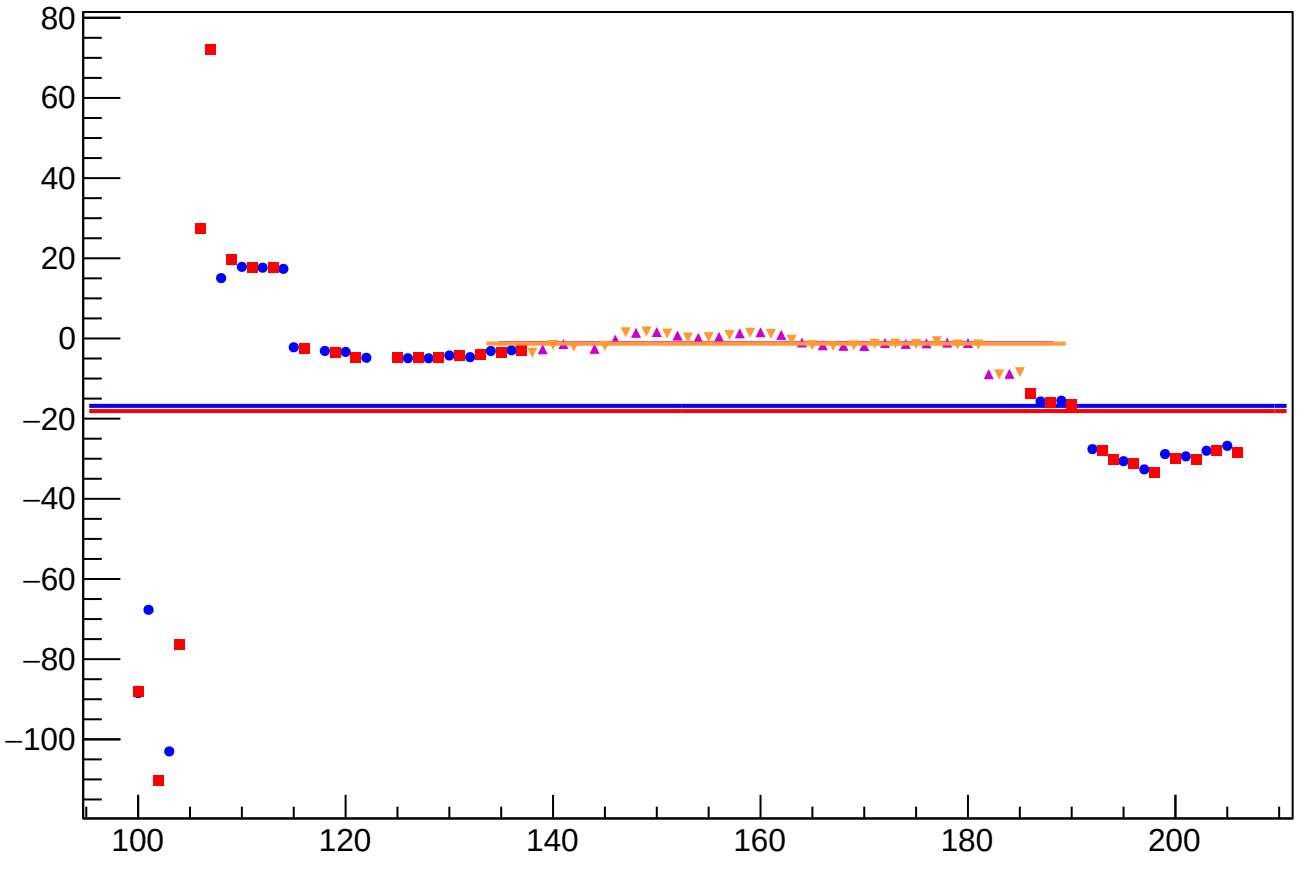
Right Out: 5.541+/-0.710 χ^2/NDF: 152.7/28

Left In: -4.278+/-0.361 χ^2/NDF:424.1/22

+ sign -3.005+/-0.318 χ^2/NDF: 862.2/48

All: -2.638+/-0.226 χ^2/NDF: 1593.7/100

- sign -2.262+/-0.322 χ^2/NDF: 728.8/51



Right In: -16.813+/-0.035 χ^2/NDF: 360414.3/24

Left Out: -1.267+/-0.016 χ^2/NDF:25091.1/23

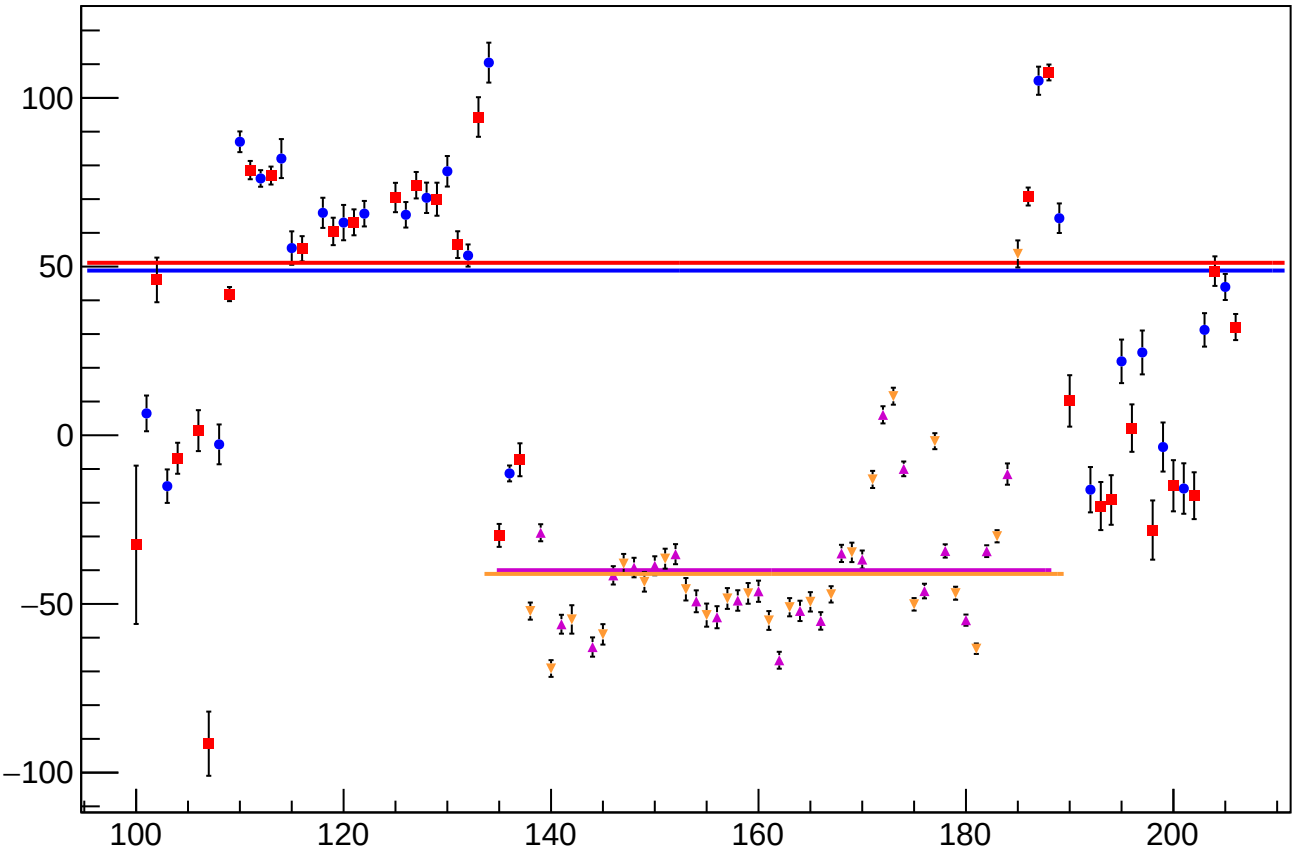
Right Out: -18.106+/-0.035 χ^2/NDF: 462512.5/28

Left In: -1.180+/-0.016 χ^2/NDF:24754.1/22

\+ sign -3.865+/-0.014 χ^2/NDF: 545965.3/48

All: -4.012+/-0.010 χ^2/NDF: 1231536.6/100

\- sign -4.159+/-0.014 χ^2/NDF: 685364.7/51



Right In: 48.824+/-0.846 χ^2/NDF: 1966.4/24

Left Out: -41.097+/-0.517 χ^2/NDF:1948.2/23

Right Out: 51.124+/-0.753 χ^2/NDF: 2711.5/28

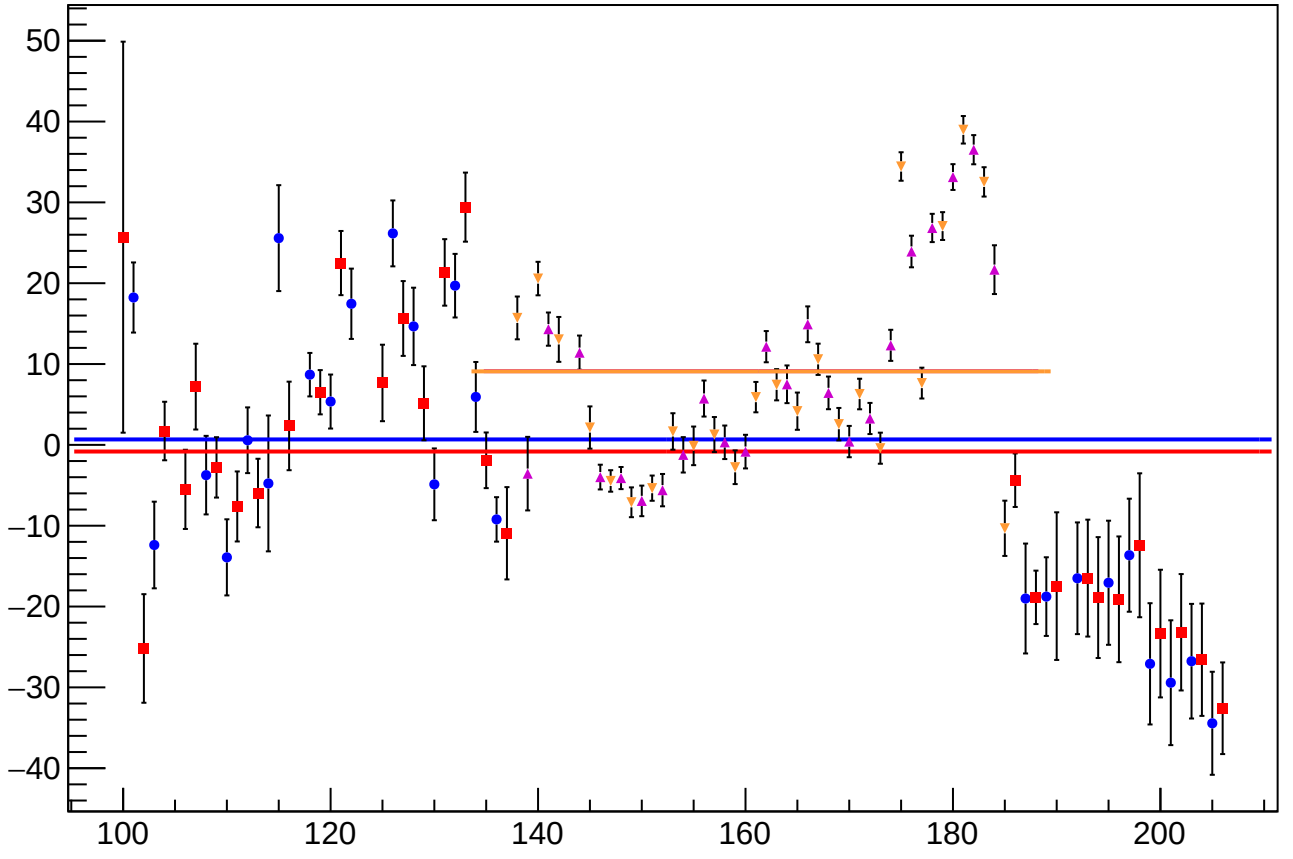
Left In: -40.000+/-0.524 χ^2/NDF:1031.8/22

\+ sign -16.626+/-0.441 χ^2/NDF: 12135.7/48

All: -13.356+/-0.308 χ^2/NDF: 25849.1/100

\- sign -10.248+/-0.430 χ^2/NDF: 13606.4/51

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 0.673+/-0.928 χ^2/NDF: 274.6/24

Left Out: 9.094+/-0.401 χ^2/NDF:1253.7/23

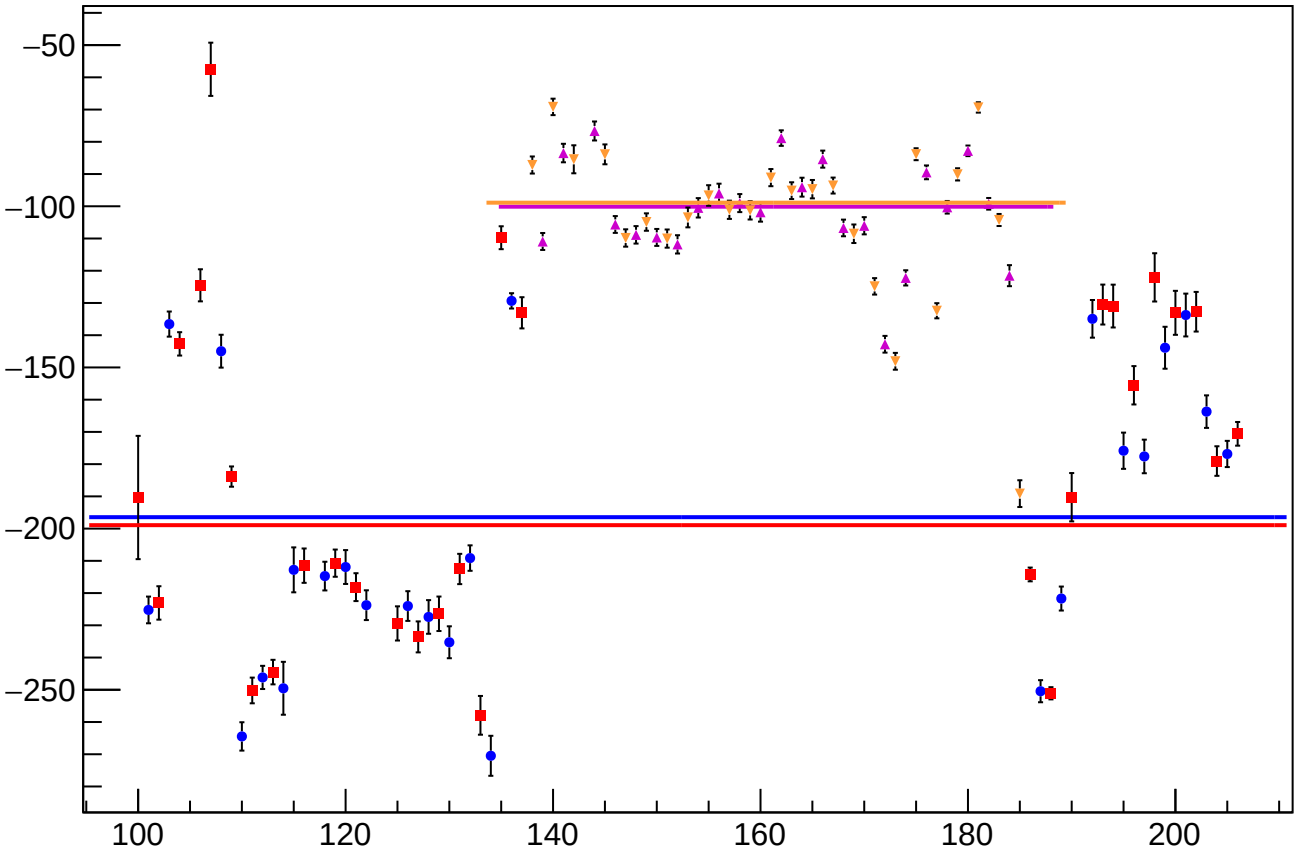
Right Out: -0.822+/-0.876 χ^2/NDF: 279.1/28

Left In: 9.121+/-0.409 χ^2/NDF:1051.8/22

\+ sign 7.769+/-0.368 χ^2/NDF: 1597.6/48

All: 7.556+/-0.261 χ^2/NDF: 3035.1/100

\- sign 7.340+/-0.371 χ^2/NDF: 1436.8/51



Right In: -196.453+/-0.893 χ^2/NDF: 2657.7/24

Left Out: -98.883+/-0.514 χ^2/NDF:1824.5/23

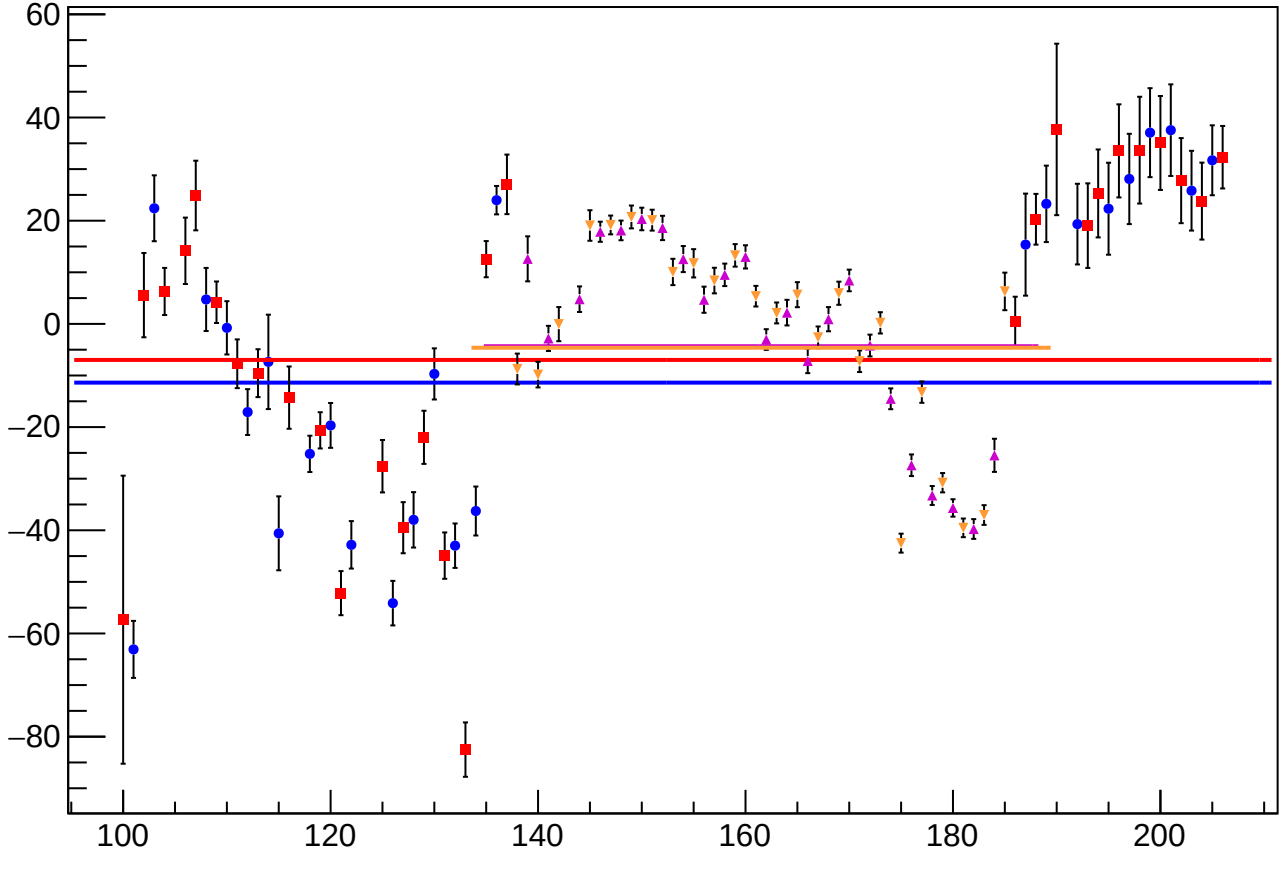
Right Out: -198.932+/-0.781 χ^2/NDF: 3657.5/28

Left In: -100.127+/-0.520 χ^2/NDF:823.2/22

+ sign -123.162+/-0.446 χ^2/NDF: 13443.7/48

All: -126.914+/-0.311 χ^2/NDF: 29141.1/100

- sign -130.455+/-0.433 χ^2/NDF: 15559.5/51



Right In: -11.383+/-1.067 χ^2/NDF: 784.9/24

Left Out: -4.618+/-0.451 χ^2/NDF:2078.3/23

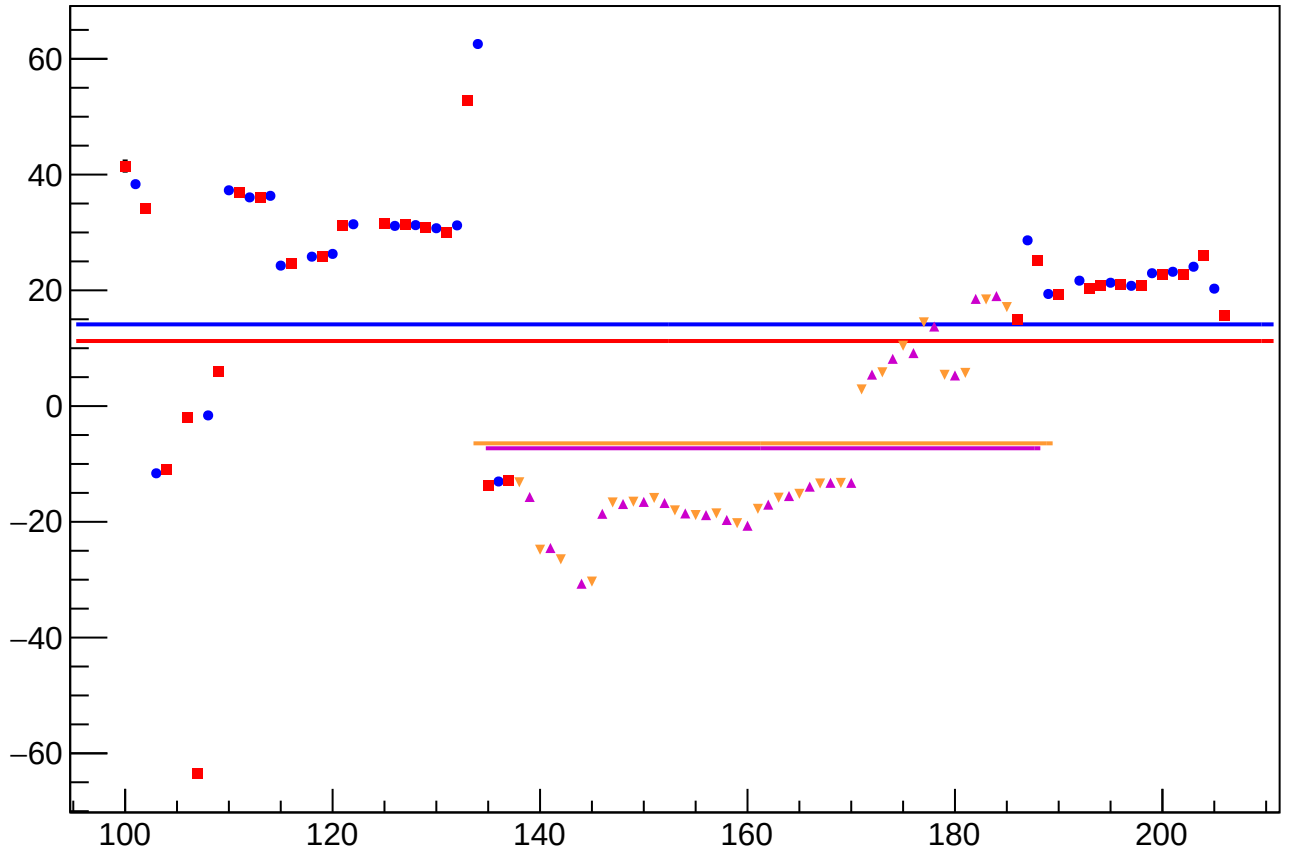
Right Out: -6.983+/-1.026 χ^2/NDF: 792.8/28

Left In: -4.328+/-0.459 χ^2/NDF:1854.2/22

\+ sign -5.645+/-0.416 χ^2/NDF: 2897.3/48

All: -5.211+/-0.295 χ^2/NDF: 5552.1/100

\- sign -4.771+/-0.419 χ^2/NDF: 2652.6/51



Right In: 14.118+/-0.053 χ^2/NDF: 175049.7/24

Left Out: -6.437+/-0.020 χ^2/NDF:496714.6/23

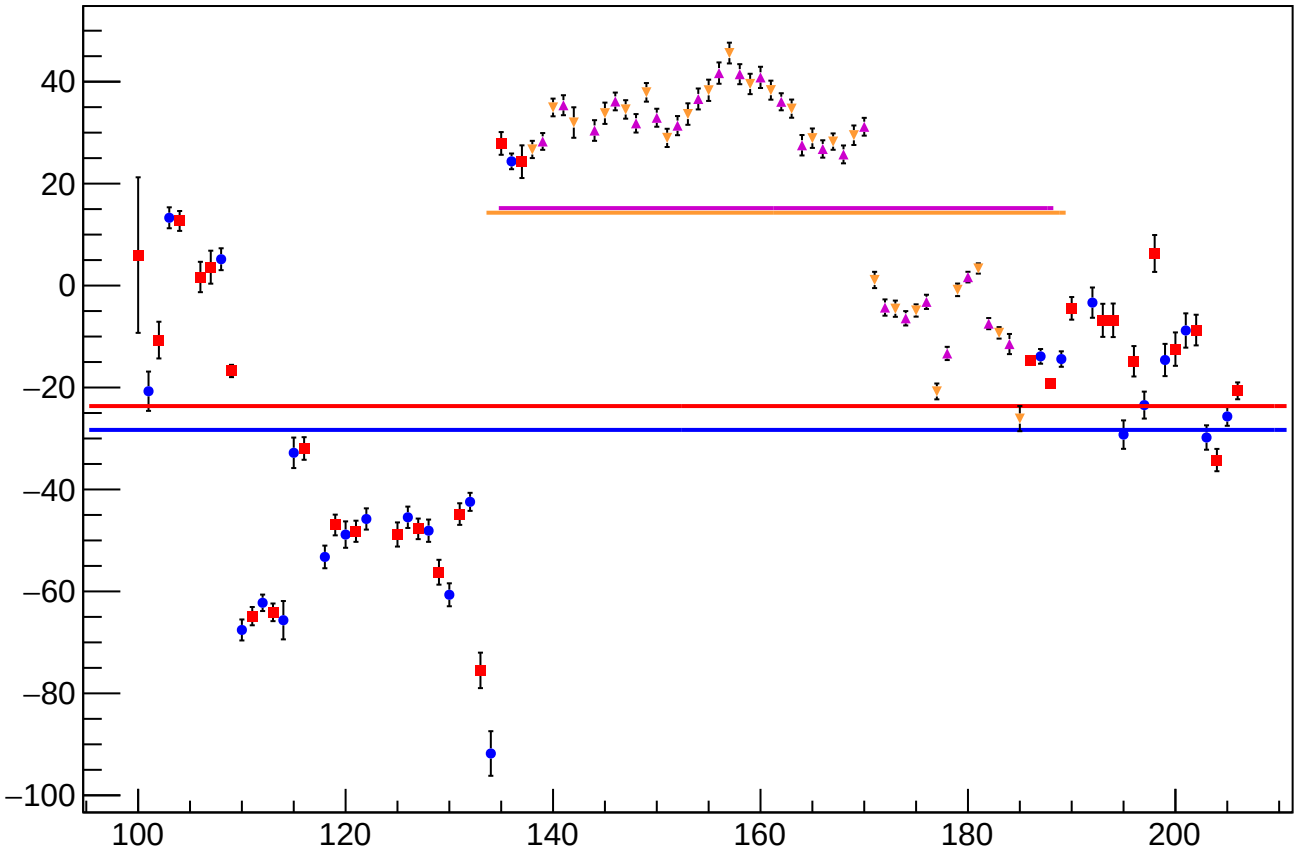
Right Out: 11.243+/-0.051 χ^2/NDF: 177898.6/28

Left In: -7.292+/-0.020 χ^2/NDF:488261.5/22

+ sign -3.800+/-0.019 χ^2/NDF: 804682.0/48

All: -4.262+/-0.013 χ^2/NDF: 1587568.5/100

- sign -4.723+/-0.019 χ^2/NDF: 781687.8/51



Right In: -28.316+/-0.435 χ^2/NDF: 3933.1/24

Left Out: 14.295+/-0.335 χ^2/NDF:3726.3/23

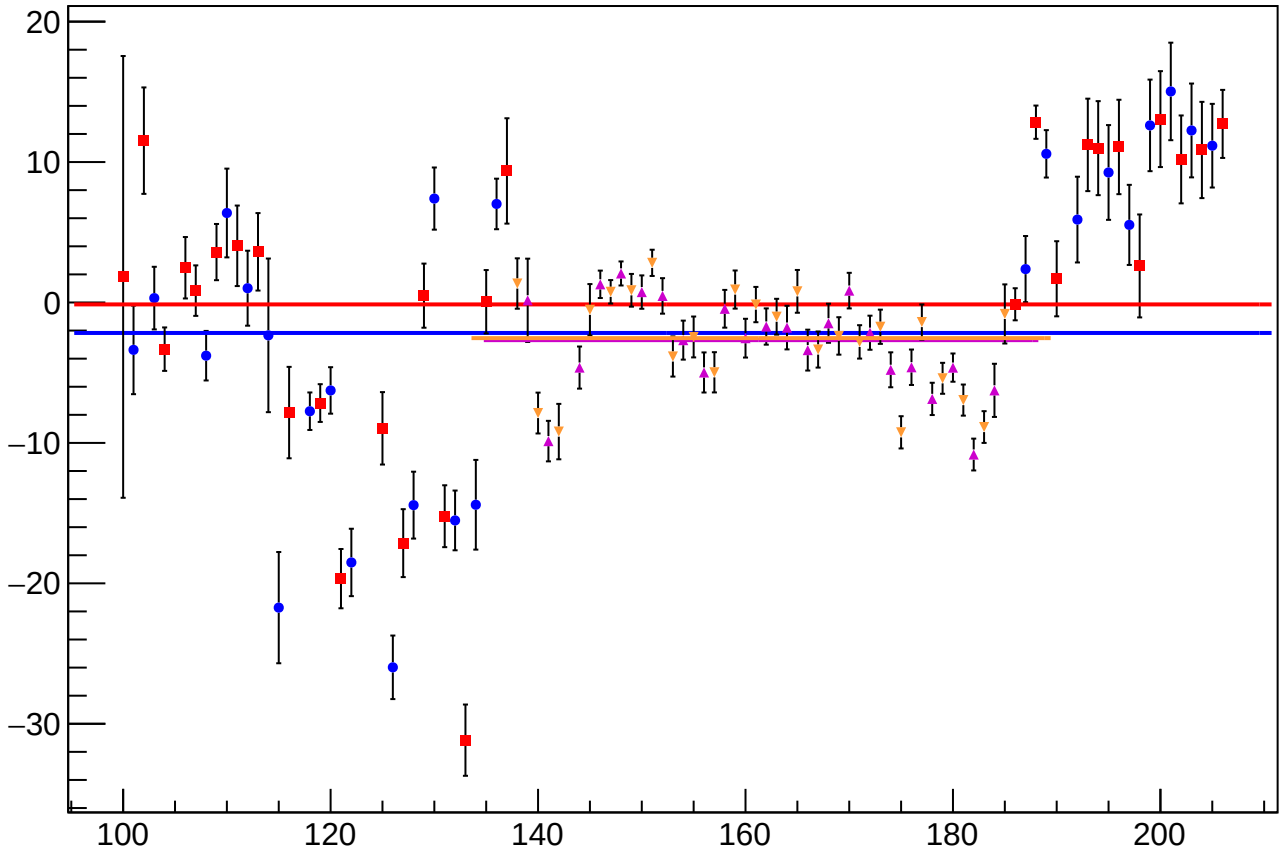
Right Out: -23.641+/-0.361 χ^2/NDF: 3800.2/28

Left In: 15.194+/-0.339 χ^2/NDF:3406.6/22

+ sign -1.594+/-0.265 χ^2/NDF: 13685.0/48

All: -2.349+/-0.181 χ^2/NDF: 27042.0/100

- sign -3.006+/-0.247 χ^2/NDF: 13341.9/51



Right In: -2.170+/-0.472 χ^2/NDF: 511.6/24

Left Out: -2.538+/-0.259 χ^2/NDF:198.4/23

Right Out: -0.137+/-0.411 χ^2/NDF: 624.6/28

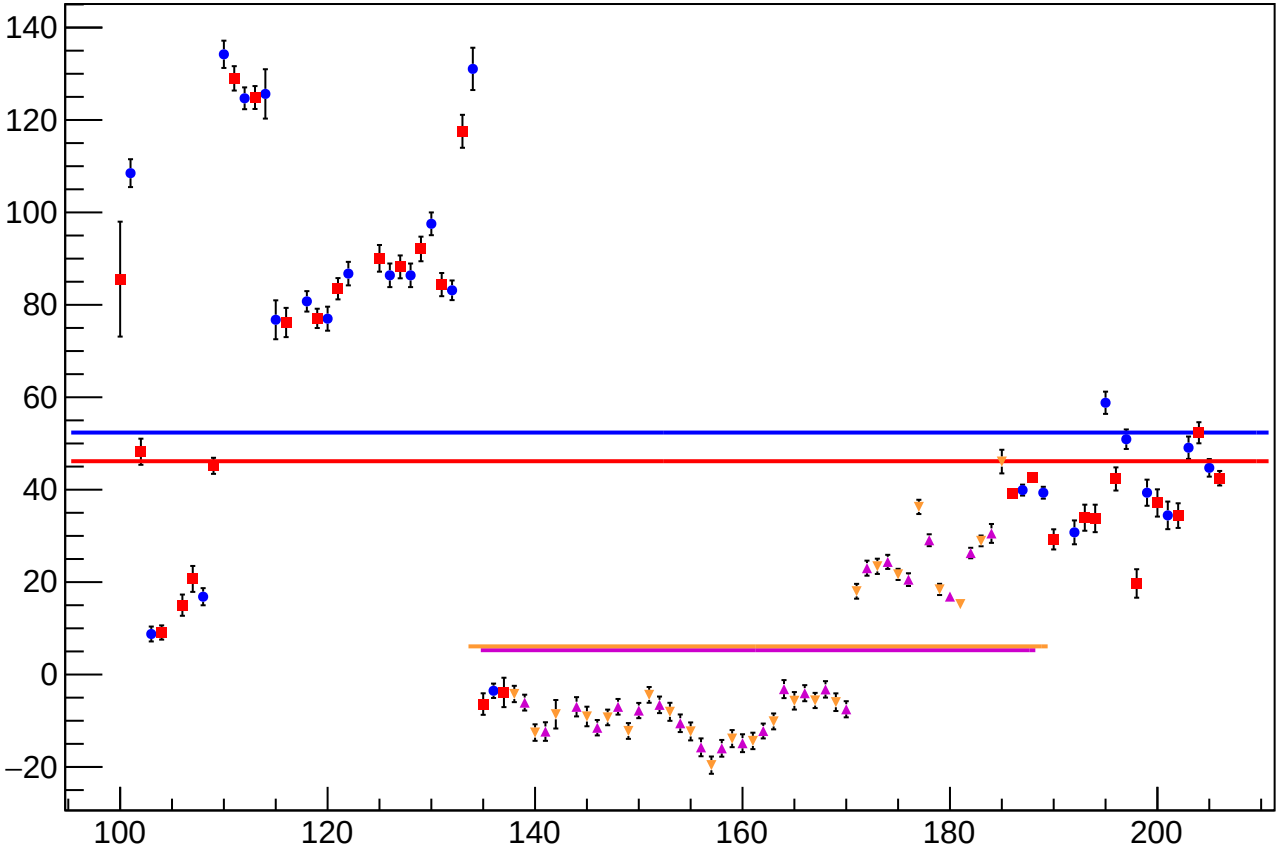
Left In: -2.681+/-0.265 χ^2/NDF:182.0/22

\+ sign -2.453+/-0.227 χ^2/NDF: 710.5/48

All: -2.188+/-0.159 χ^2/NDF: 1546.9/100

\- sign -1.934+/-0.223 χ^2/NDF: 833.8/51

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 52.362+/-0.431 χ^2/NDF: 6662.8/24

Left Out: 6.095+/-0.333 χ^2/NDF:2773.9/23

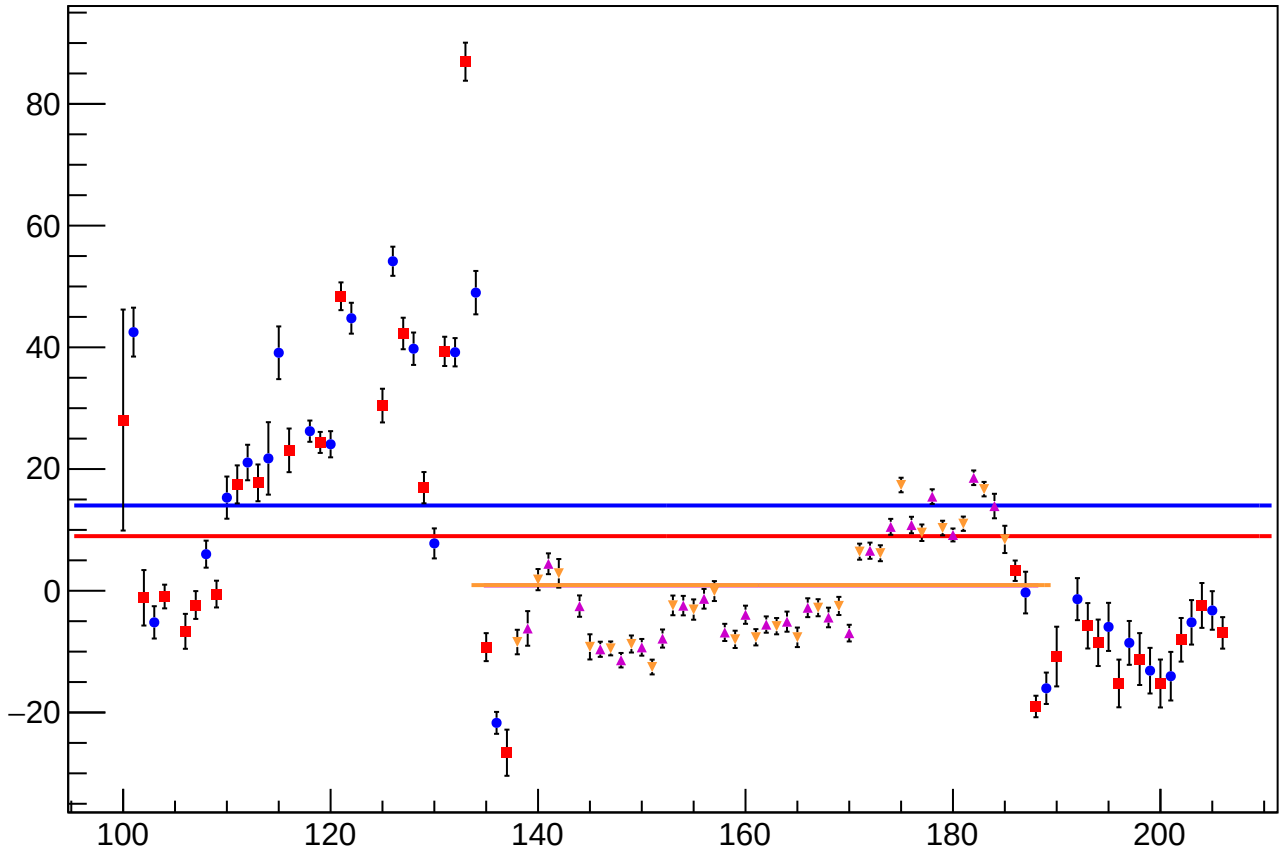
Right Out: 46.163+/-0.343 χ^2/NDF: 5958.9/28

Left In: 5.269+/-0.337 χ^2/NDF:2451.2/22

+ sign 23.377+/-0.263 χ^2/NDF: 16653.2/48

All: 24.429+/-0.178 χ^2/NDF: 32326.7/100

- sign 25.304+/-0.240 χ^2/NDF: 15644.3/51



Right In: 14.013+/-0.558 χ^2/NDF: 1758.8/24

Left Out: 0.929+/-0.292 χ^2/NDF:1041.7/23

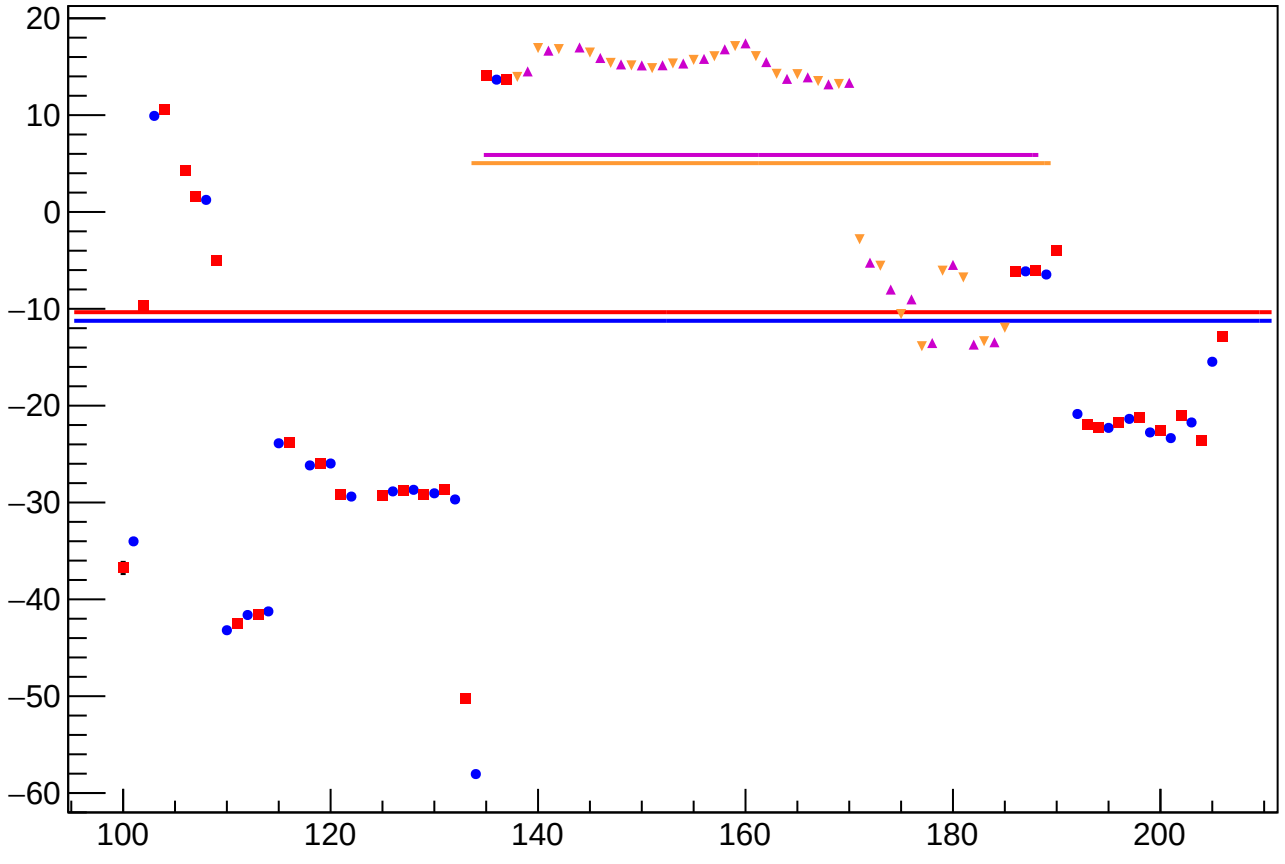
Right Out: 8.975+/-0.502 χ^2/NDF: 2165.5/28

Left In: 0.878+/-0.297 χ^2/NDF:1006.0/22

+ sign 3.737+/-0.259 χ^2/NDF: 3231.8/48

All: 3.353+/-0.182 χ^2/NDF: 6600.1/100

- sign 2.977+/-0.256 χ^2/NDF: 3363.9/51



Right In: -11.238+/-0.026 χ^2/NDF: 487832.4/24

Left Out: 5.042+/-0.013 χ^2/NDF:855564.2/23

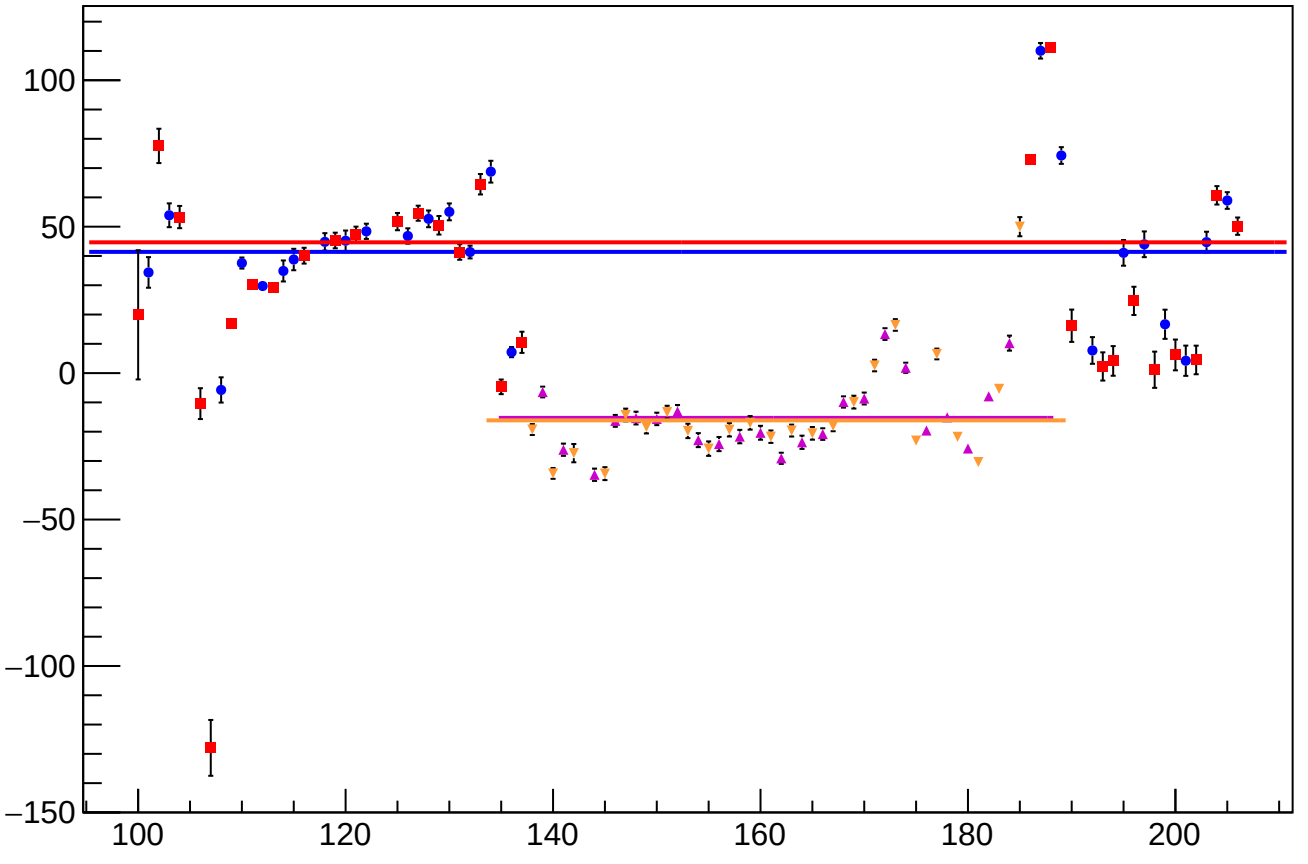
Right Out: -10.347+/-0.024 χ^2/NDF: 407371.3/28

Left In: 5.886+/-0.013 χ^2/NDF:846355.0/22

+ sign 1.750+/-0.012 χ^2/NDF: 1657495.6/48

All: 1.967+/-0.008 χ^2/NDF: 3260076.5/100

- sign 2.179+/-0.012 χ^2/NDF: 1601899.3/51



Right In: 41.393+/-0.576 χ^2/NDF: 1654.3/24

Left Out: -16.132+/-0.398 χ^2/NDF:1364.9/23

Right Out: 44.657+/-0.515 χ^2/NDF: 4094.4/28

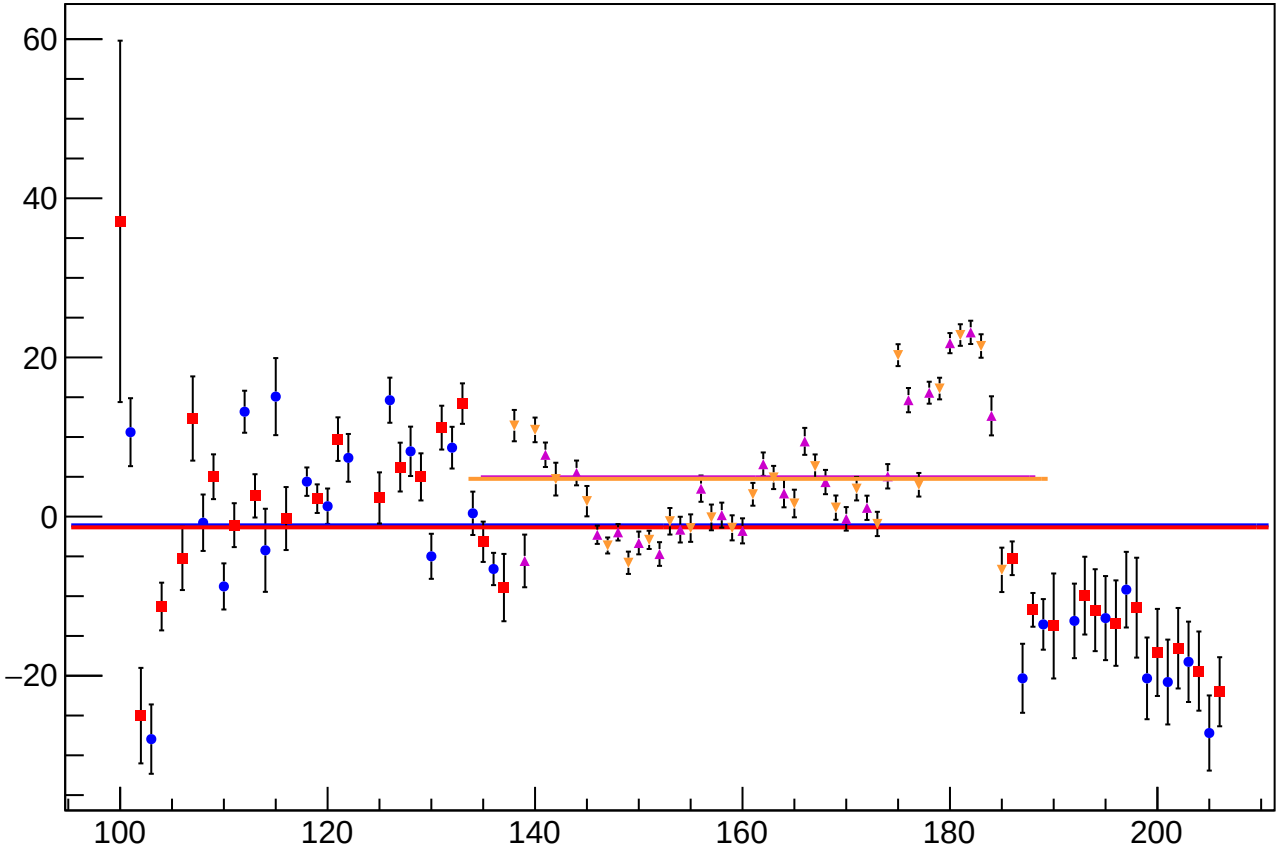
Left In: -15.295+/-0.403 χ^2/NDF:760.9/22

+ sign 2.463+/-0.327 χ^2/NDF: 9775.5/48

All: 5.051+/-0.228 χ^2/NDF: 23152.3/100

- sign 7.485+/-0.317 χ^2/NDF: 13255.6/51

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: -1.101+/-0.637 χ^2/NDF: 294.1/24

Left Out: 4.745+/-0.307 χ^2/NDF:793.8/23

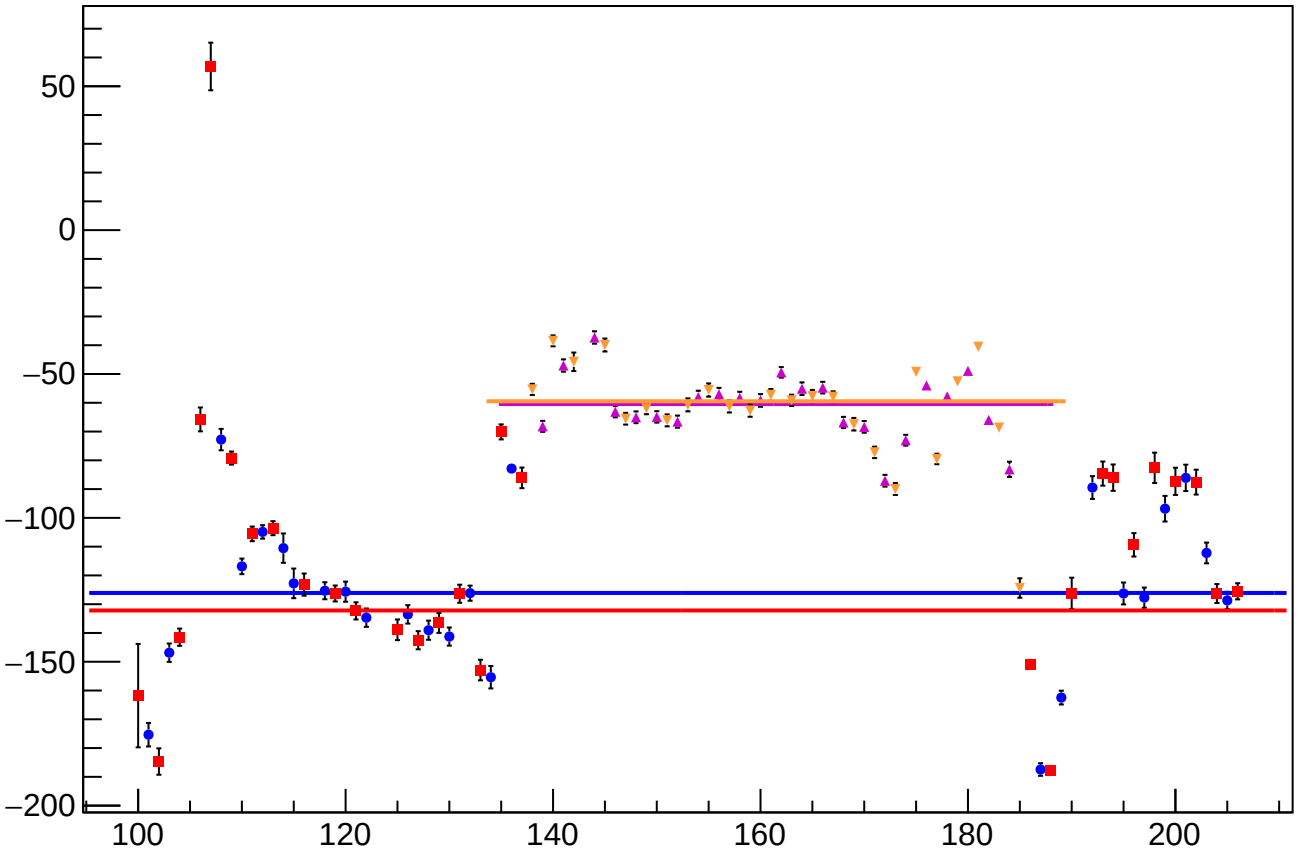
Right Out: -1.353+/-0.605 χ^2/NDF: 237.2/28

Left In: 4.935+/-0.313 χ^2/NDF:688.4/22

+ sign 3.645+/-0.276 χ^2/NDF: 1156.3/48

All: 3.627+/-0.196 χ^2/NDF: 2167.0/100

- sign 3.609+/-0.278 χ^2/NDF: 1010.7/51



Right In: -126.089+/-0.617 χ^2/NDF: 2448.5/24

Left Out: -59.480+/-0.395 χ^2/NDF:1372.3/23

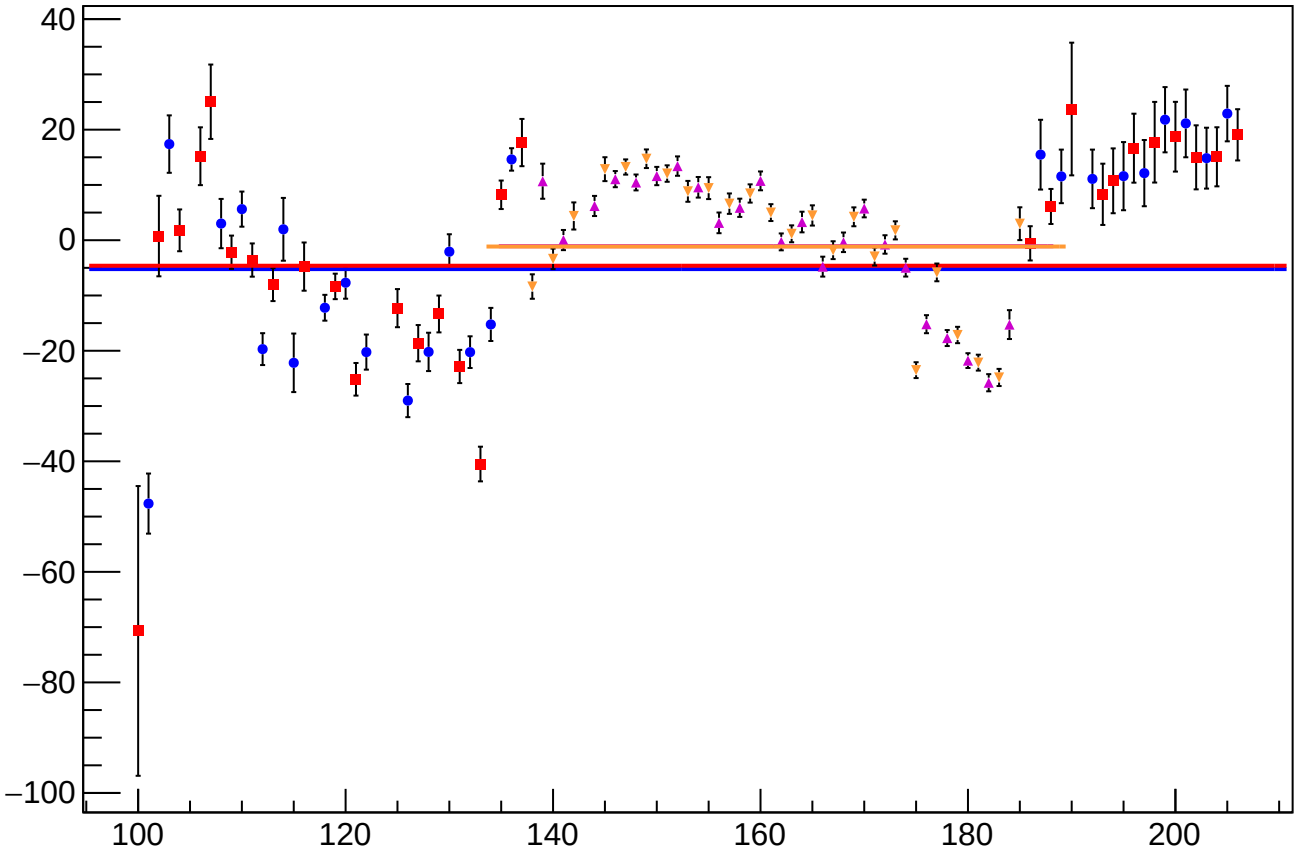
Right Out: -132.181+/-0.536 χ^2/NDF: 5325.2/28

Left In: -60.435+/-0.400 χ^2/NDF:668.3/22

\+ sign -78.841+/-0.333 χ^2/NDF: 12089.4/48

All: -82.594+/-0.231 χ^2/NDF: 29852.9/100

\- sign -86.073+/-0.320 χ^2/NDF: 17518.2/51



Right In: -5.225+/-0.732 χ^2/NDF: 513.0/24

Left Out: -1.144+/-0.346 χ^2/NDF:1303.0/23

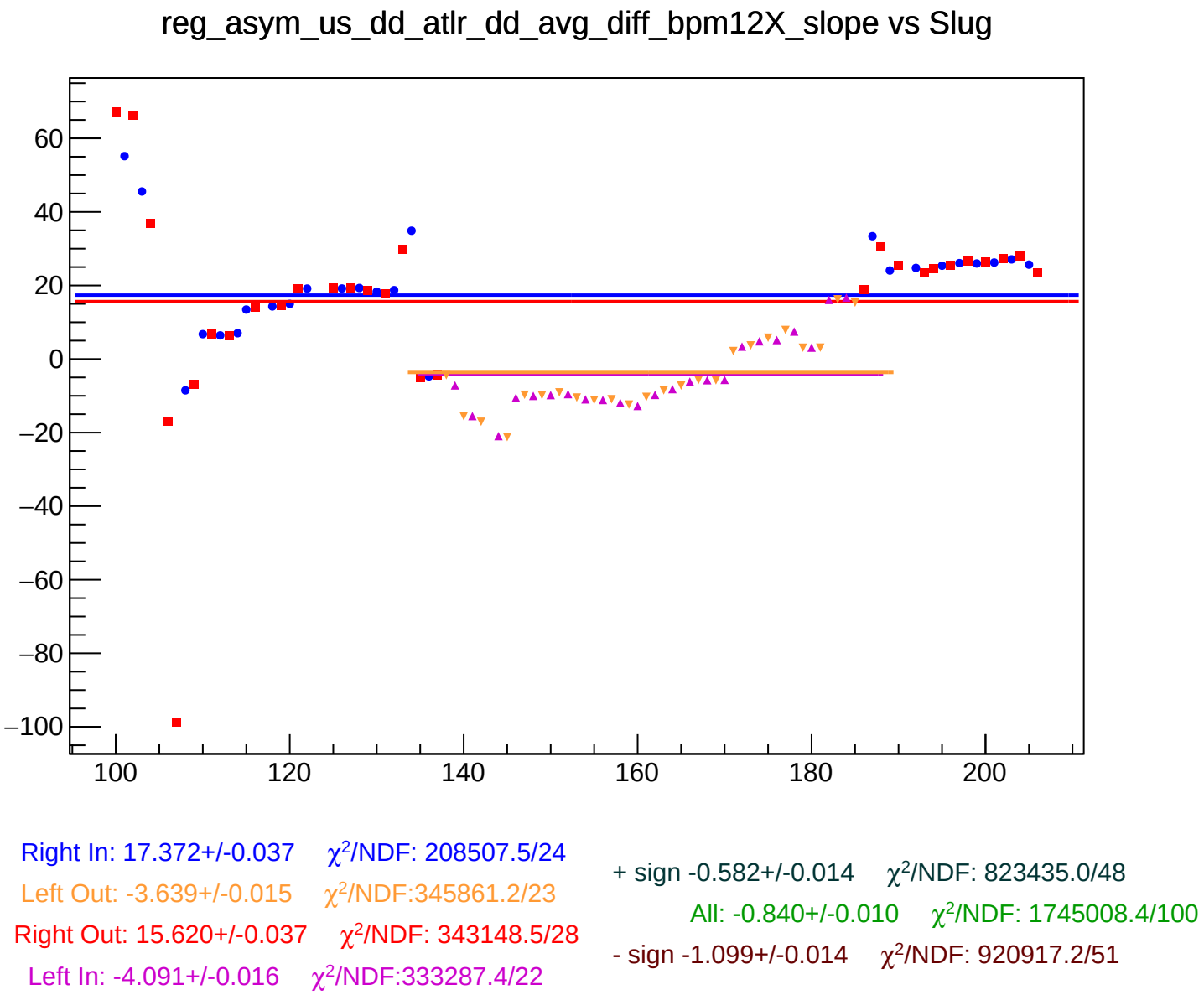
Right Out: -4.619+/-0.711 χ^2/NDF: 463.2/28

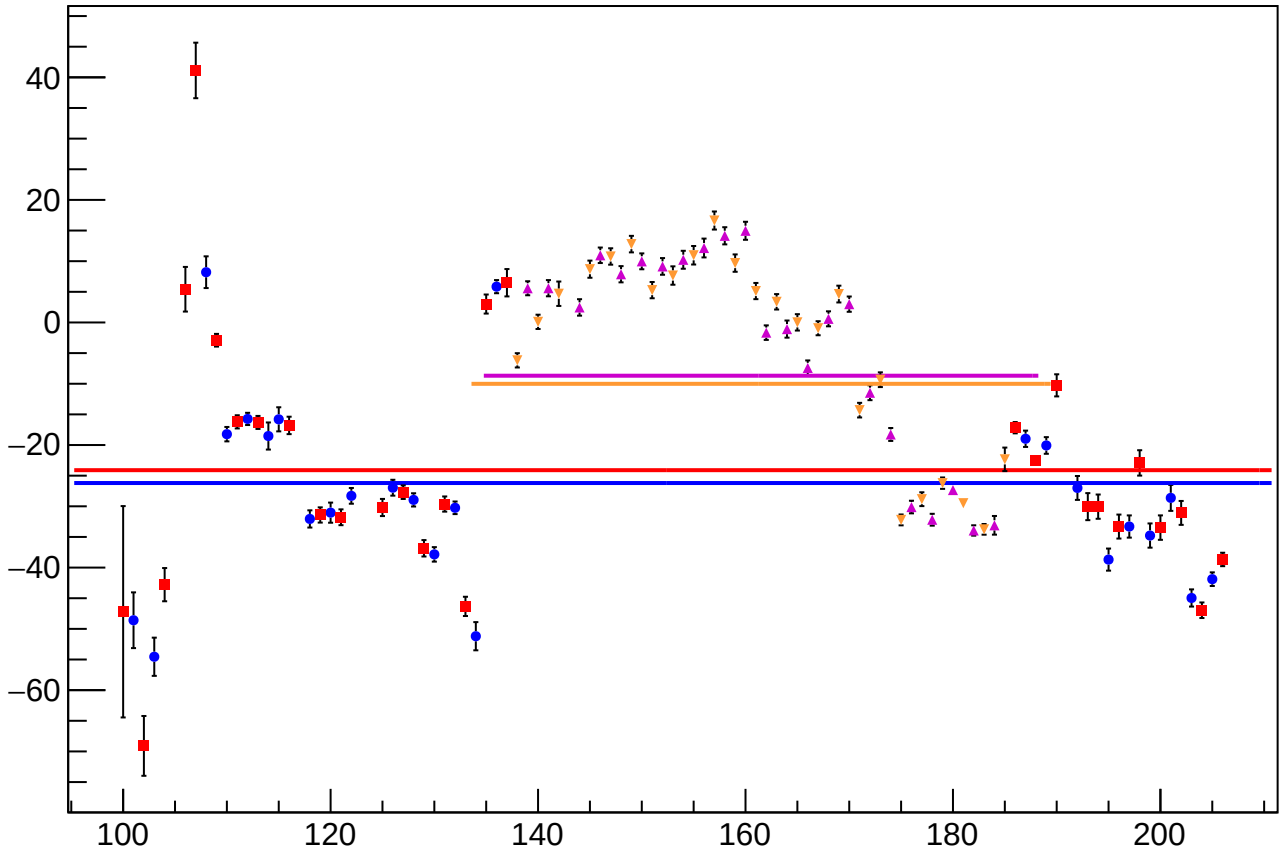
Left In: -1.082+/-0.352 χ^2/NDF:1157.4/22

+ sign -1.888+/-0.313 χ^2/NDF: 1841.4/48

All: -1.833+/-0.222 χ^2/NDF: 3481.9/100

- sign -1.777+/-0.315 χ^2/NDF: 1640.5/51


reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs Slug
60
40
20
0
−20
−40
−60
−80
−100
100
120
140
160
180
200
Right In: 17.372+/-0.037 χ²/NDF: 208507.5/24
Left Out: -3.639+/-0.015 χ²/NDF:345861.2/23
Right Out: 15.620+/-0.037 χ²/NDF: 343148.5/28
Left In: -4.091+/-0.016 χ²/NDF:333287.4/22
+ sign -0.582+/-0.014 χ²/NDF: 823435.0/48
All: -0.840+/-0.010 χ²/NDF: 1745008.4/100
- sign -1.099+/-0.014 χ²/NDF: 920917.2/51



Right In: -26.201+/-0.290 χ^2/NDF: 2148.6/24

Left Out: -10.013+/-0.244 χ^2/NDF:4977.5/23

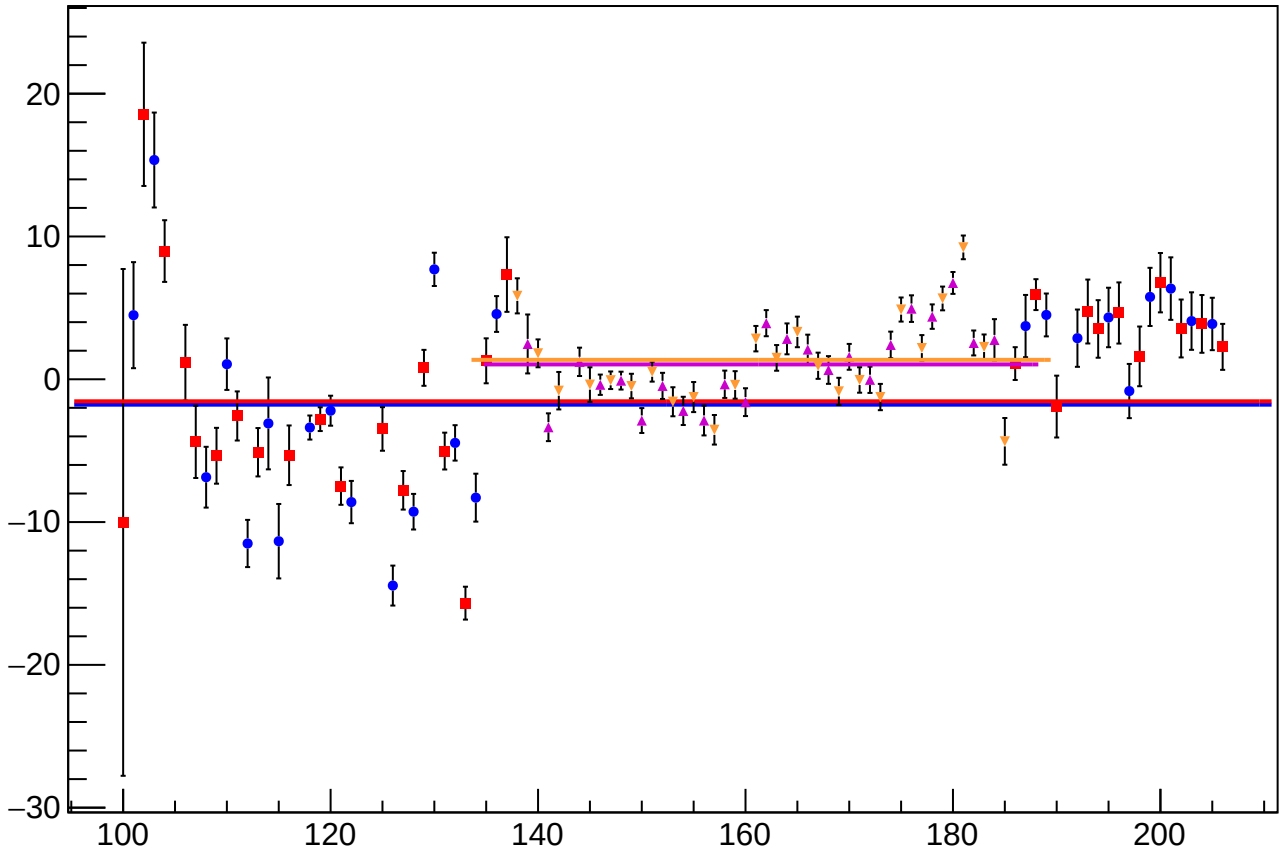
Right Out: -24.104+/-0.264 χ^2/NDF: 2557.2/28

Left In: -8.689+/-0.248 χ^2/NDF:5021.6/22

+ sign -16.743+/-0.187 χ^2/NDF: 8951.2/48

All: -16.314+/-0.130 χ^2/NDF: 18355.8/100

- sign -15.913+/-0.181 χ^2/NDF: 9394.4/51



Right In: -1.778+/-0.316 χ^2/NDF: 424.0/24

Left Out: 1.361+/-0.188 χ^2/NDF:240.3/23

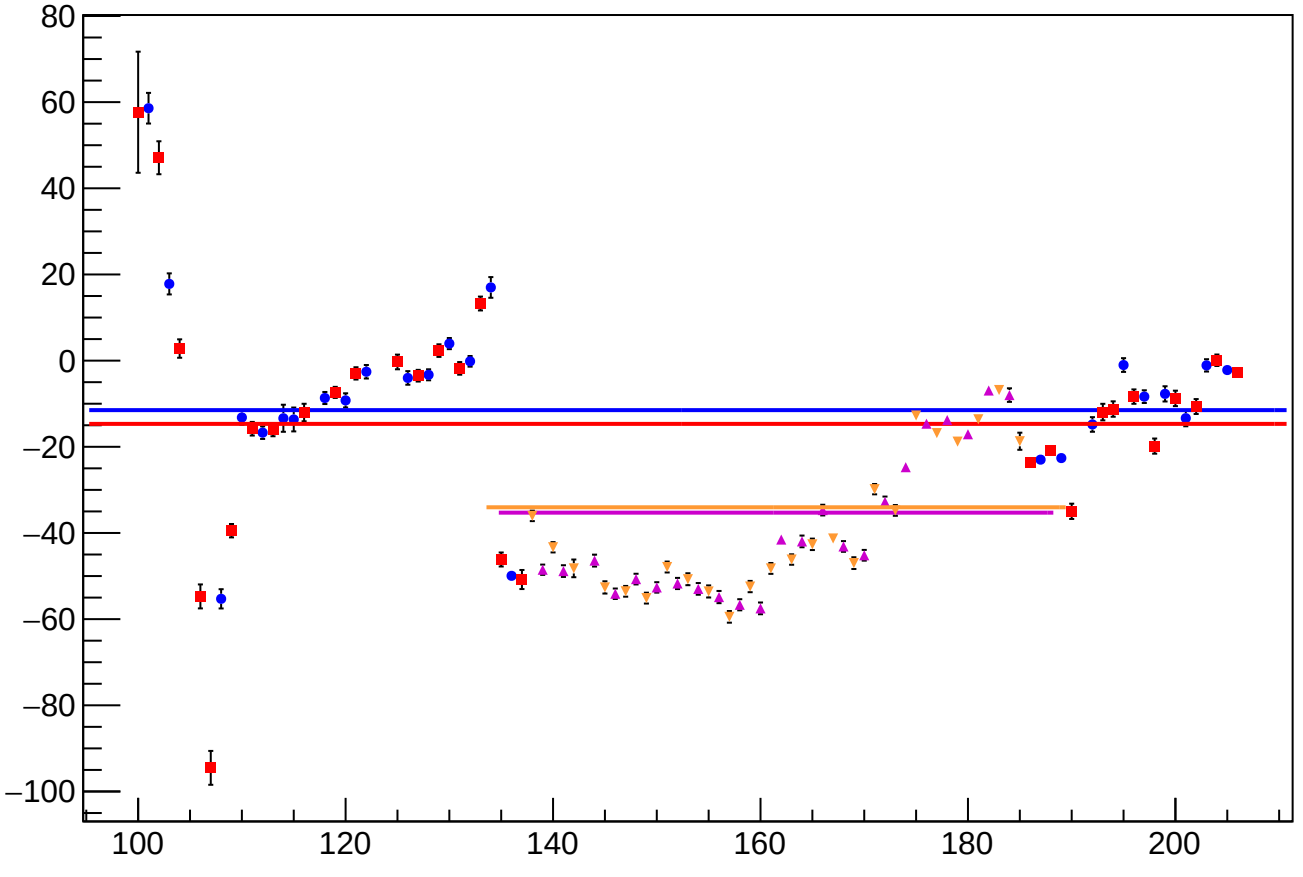
Right Out: -1.543+/-0.300 χ^2/NDF: 389.2/28

Left In: 1.041+/-0.192 χ^2/NDF:196.1/22

+ sign 0.539+/-0.162 χ^2/NDF: 737.1/48

All: 0.414+/-0.114 χ^2/NDF: 1376.1/100

- sign 0.288+/-0.162 χ^2/NDF: 637.8/51



Right In: -11.488+/-0.306 χ^2/NDF: 3035.7/24

Left Out: -34.036+/-0.243 χ^2/NDF:4965.7/23

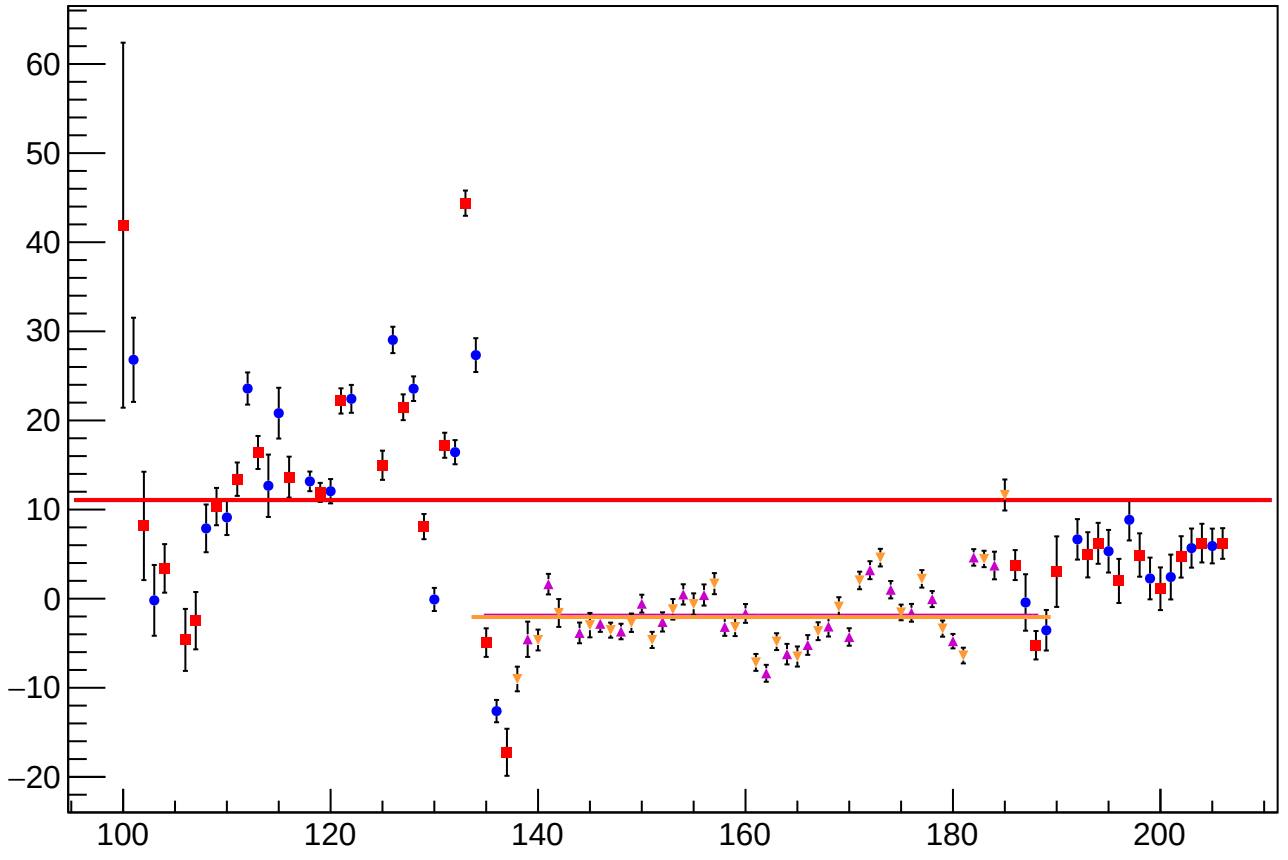
Right Out: -14.681+/-0.267 χ^2/NDF: 3307.2/28

Left In: -35.285+/-0.245 χ^2/NDF:4998.0/22

\+ sign -25.343+/-0.190 χ^2/NDF: 11333.7/48

All: -25.615+/-0.131 χ^2/NDF: 22866.3/100

\- sign -25.862+/-0.181 χ^2/NDF: 11528.6/51



Right In: 11.058+/-0.366 χ^2/NDF: 990.4/24

Left Out: -2.062+/-0.212 χ^2/NDF:332.4/23

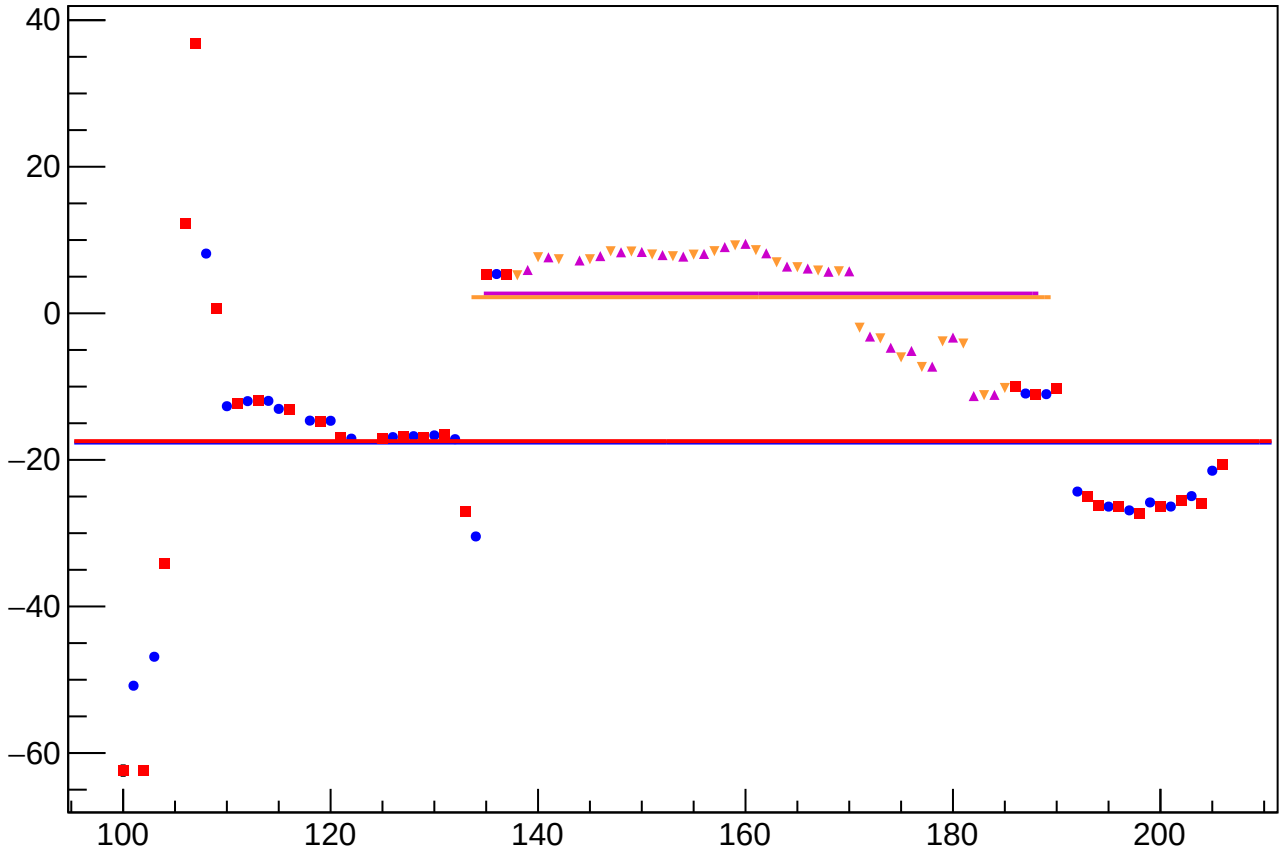
Right Out: 11.080+/-0.354 χ^2/NDF: 1166.9/28

Left In: -1.905+/-0.216 χ^2/NDF:222.1/22

\+ sign 1.243+/-0.184 χ^2/NDF: 2285.3/48

All: 1.435+/-0.130 χ^2/NDF: 4658.2/100

\- sign 1.628+/-0.184 χ^2/NDF: 2370.6/51



Right In: -17.635+/-0.019 χ^2/NDF: 497714.7/24

Left Out: 2.198+/-0.009 χ^2/NDF:508502.1/23

Right Out: -17.443+/-0.018 χ^2/NDF: 583087.2/28

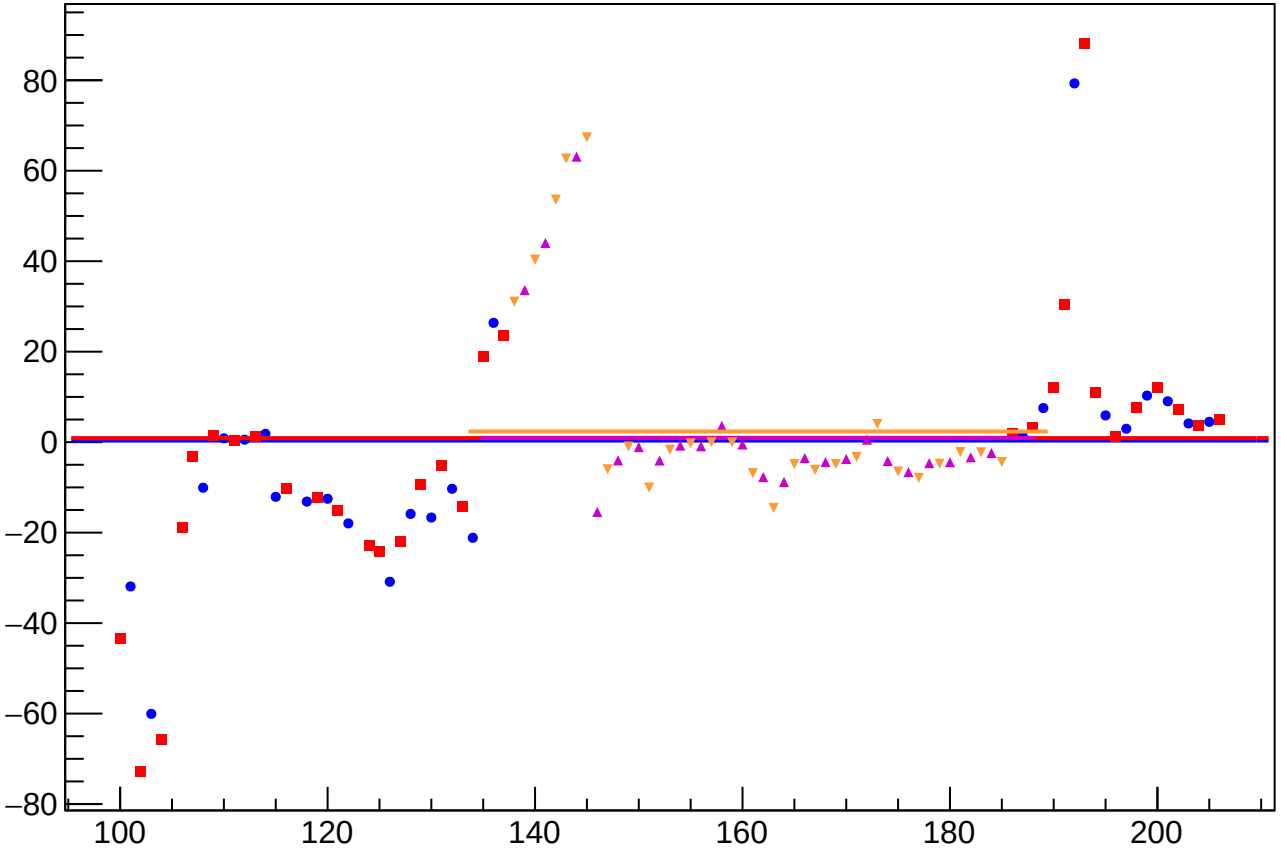
Left In: 2.694+/-0.010 χ^2/NDF:498824.3/22

+ sign -1.843+/-0.008 χ^2/NDF: 1895107.5/48

All: -1.821+/-0.006 χ^2/NDF: 3968576.5/100

- sign -1.799+/-0.008 χ^2/NDF: 2073455.8/51

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 0.352+/-0.042 χ^2/NDF: 118603.5/24

Left Out: 2.341+/-0.040 χ^2/NDF:176986.1/24

Right Out: 0.905+/-0.036 χ^2/NDF: 120624.0/30

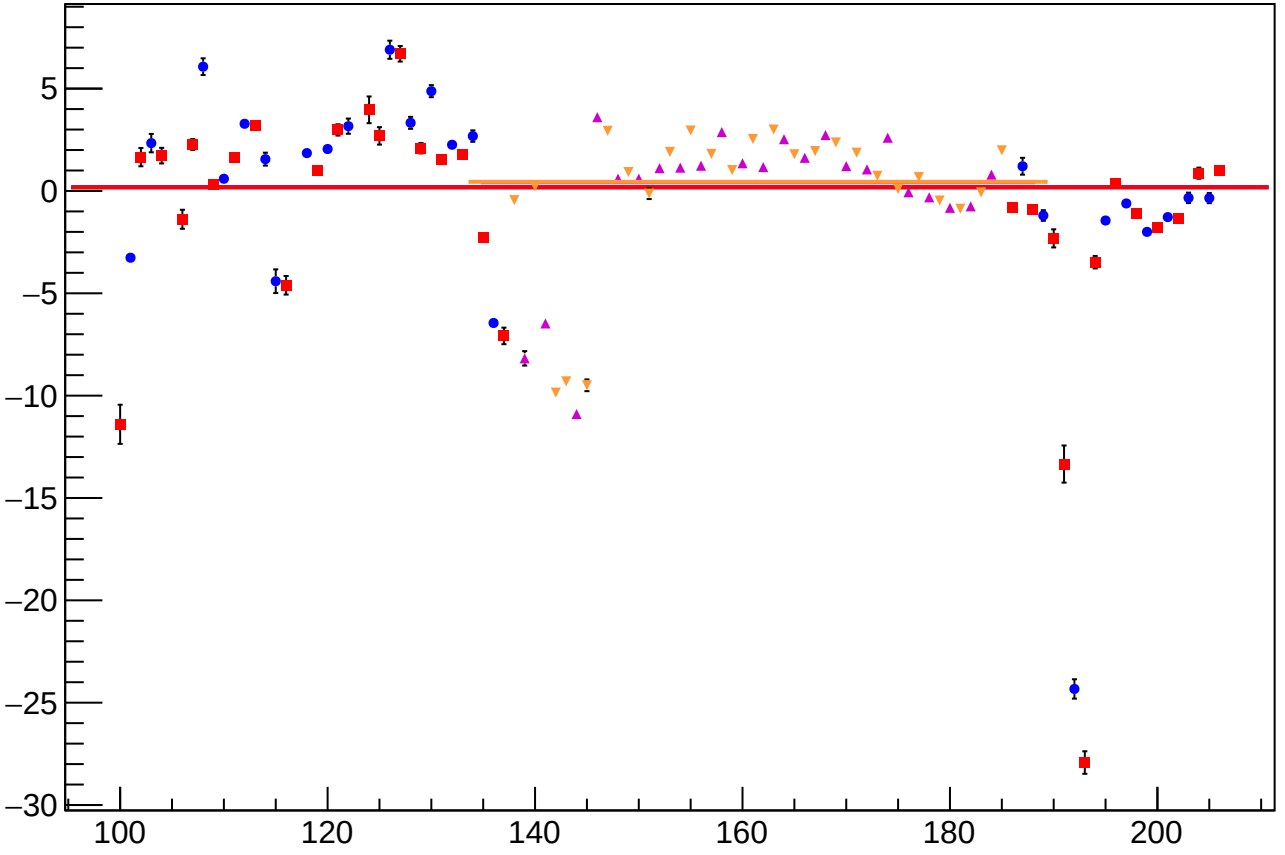
Left In: 0.957+/-0.040 χ^2/NDF:132519.8/22

+ sign 1.392+/-0.029 χ^2/NDF: 296754.6/49

All: 1.140+/-0.020 χ^2/NDF: 550037.3/103

- sign 0.928+/-0.027 χ^2/NDF: 253144.8/53

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.182+/-0.048 χ^2/NDF: 5826.1/24

Left Out: 0.446+/-0.033 χ^2/NDF:7044.3/24

Right Out: 0.178+/-0.045 χ^2/NDF: 5090.8/30

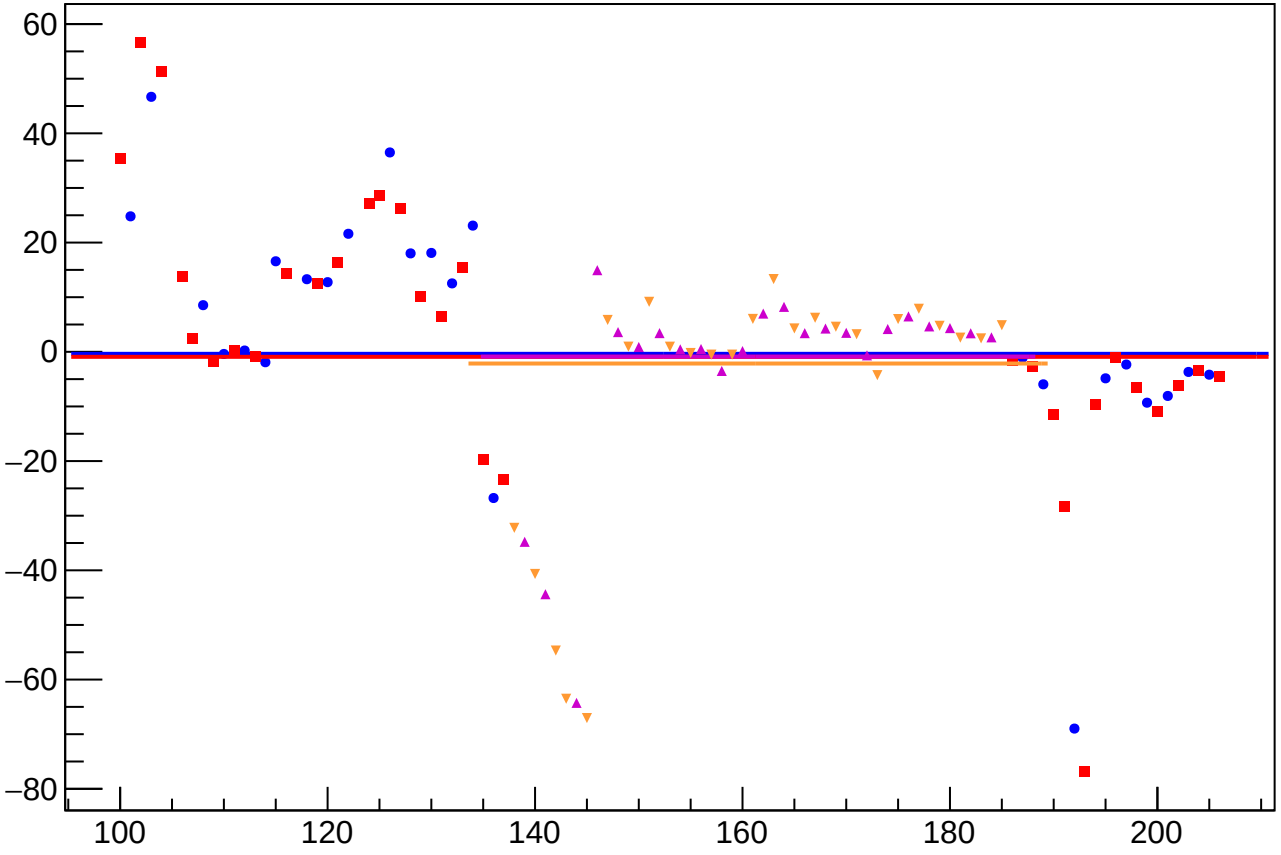
Left In: 0.427+/-0.031 χ^2/NDF:7102.3/22

+ sign 0.362+/-0.027 χ^2/NDF: 12890.9/49

All: 0.353+/-0.019 χ^2/NDF: 25105.1/103

- sign 0.345+/-0.026 χ^2/NDF: 12214.0/53

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -0.367+/-0.044 χ^2/NDF: 117540.2/24

Left Out: -2.143+/-0.040 χ^2/NDF:171271.2/24

Right Out: -0.915+/-0.038 χ^2/NDF: 118926.7/30

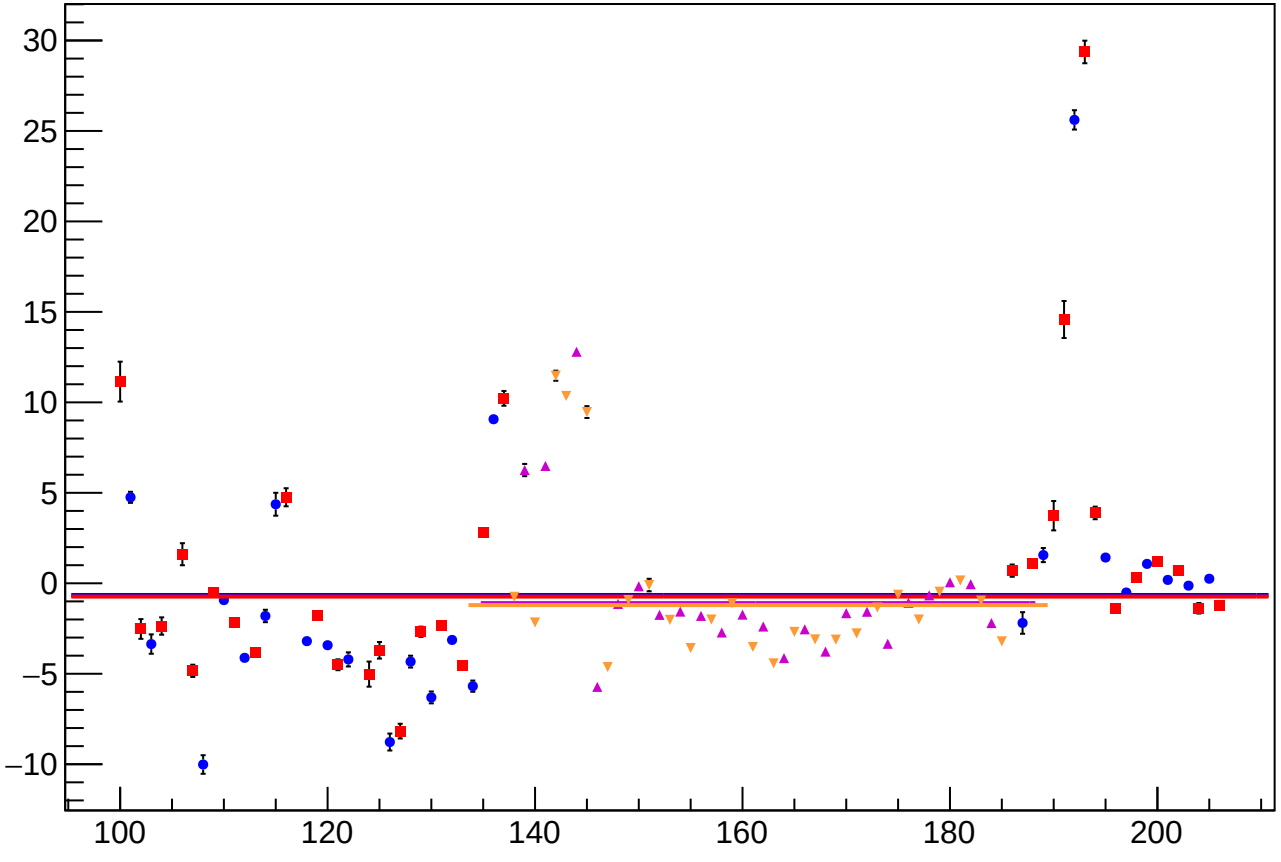
Left In: -0.881+/-0.039 χ^2/NDF:129197.8/22

+ sign -1.331+/-0.030 χ^2/NDF: 289700.9/49

All: -1.097+/-0.020 χ^2/NDF: 537940.9/103

- sign -0.899+/-0.027 χ^2/NDF: 248125.0/53

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.645+/-0.056 χ^2/NDF: 7321.0/24

Left Out: -1.206+/-0.036 χ^2/NDF:7003.0/24

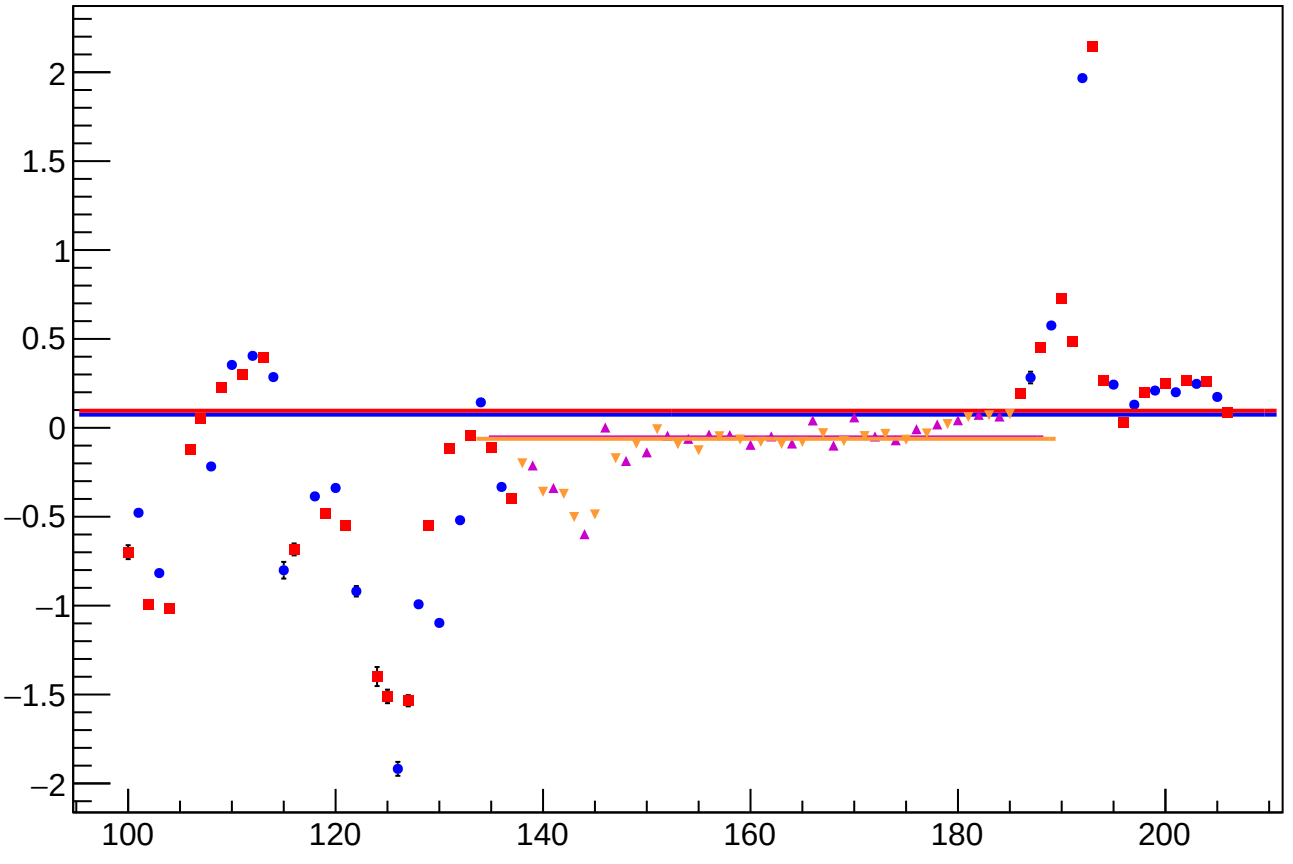
Right Out: -0.734+/-0.052 χ^2/NDF: 5610.9/30

Left In: -1.094+/-0.035 χ^2/NDF:7029.2/22

+ sign -1.041+/-0.030 χ^2/NDF: 14394.1/49

All: -1.010+/-0.021 χ^2/NDF: 27069.2/103

- sign -0.982+/-0.029 χ^2/NDF: 12673.1/53



Right In: 0.074+/-0.003 χ^2/NDF: 33985.9/24

Left Out: -0.062+/-0.002 χ^2/NDF:5711.9/24

Right Out: 0.096+/-0.002 χ^2/NDF: 34639.8/30

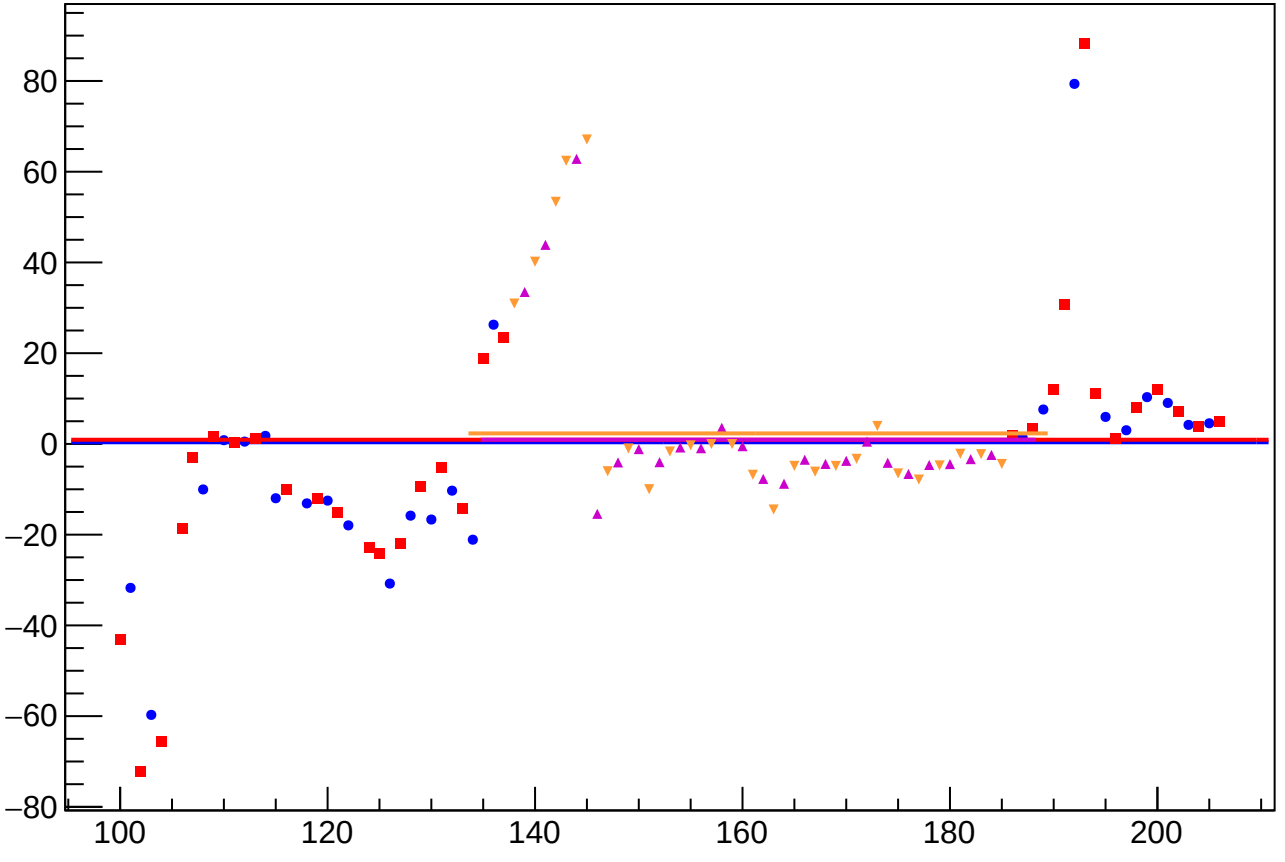
Left In: -0.054+/-0.001 χ^2/NDF:5029.9/22

+ sign -0.023+/-0.001 χ^2/NDF: 41770.6/49

All: -0.017+/-0.001 χ^2/NDF: 84372.5/103

- sign -0.011+/-0.001 χ^2/NDF: 42556.8/53

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 0.366+/-0.042 χ^2/NDF: 119068.6/24

Left Out: 2.318+/-0.040 χ^2/NDF:176746.3/24

Right Out: 0.922+/-0.036 χ^2/NDF: 121171.7/30

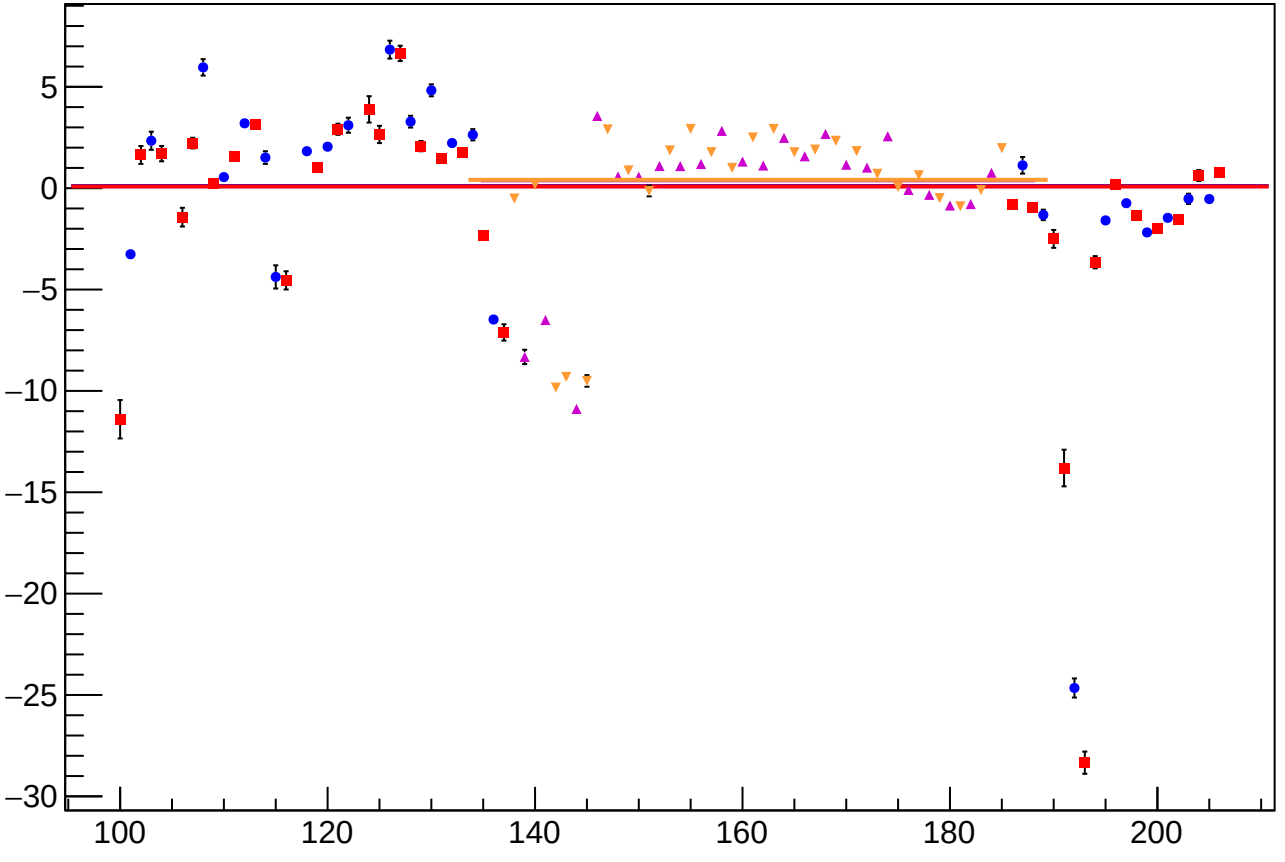
Left In: 0.935+/-0.040 χ^2/NDF:132405.3/22

+ sign 1.384+/-0.029 χ^2/NDF: 296946.3/49

All: 1.136+/-0.020 χ^2/NDF: 550658.2/103

- sign 0.928+/-0.027 χ^2/NDF: 253577.1/53

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.103+/-0.048 χ^2/NDF: 5961.7/24

Left Out: 0.414+/-0.033 χ^2/NDF:7047.2/24

Right Out: 0.084+/-0.044 χ^2/NDF: 5254.7/30

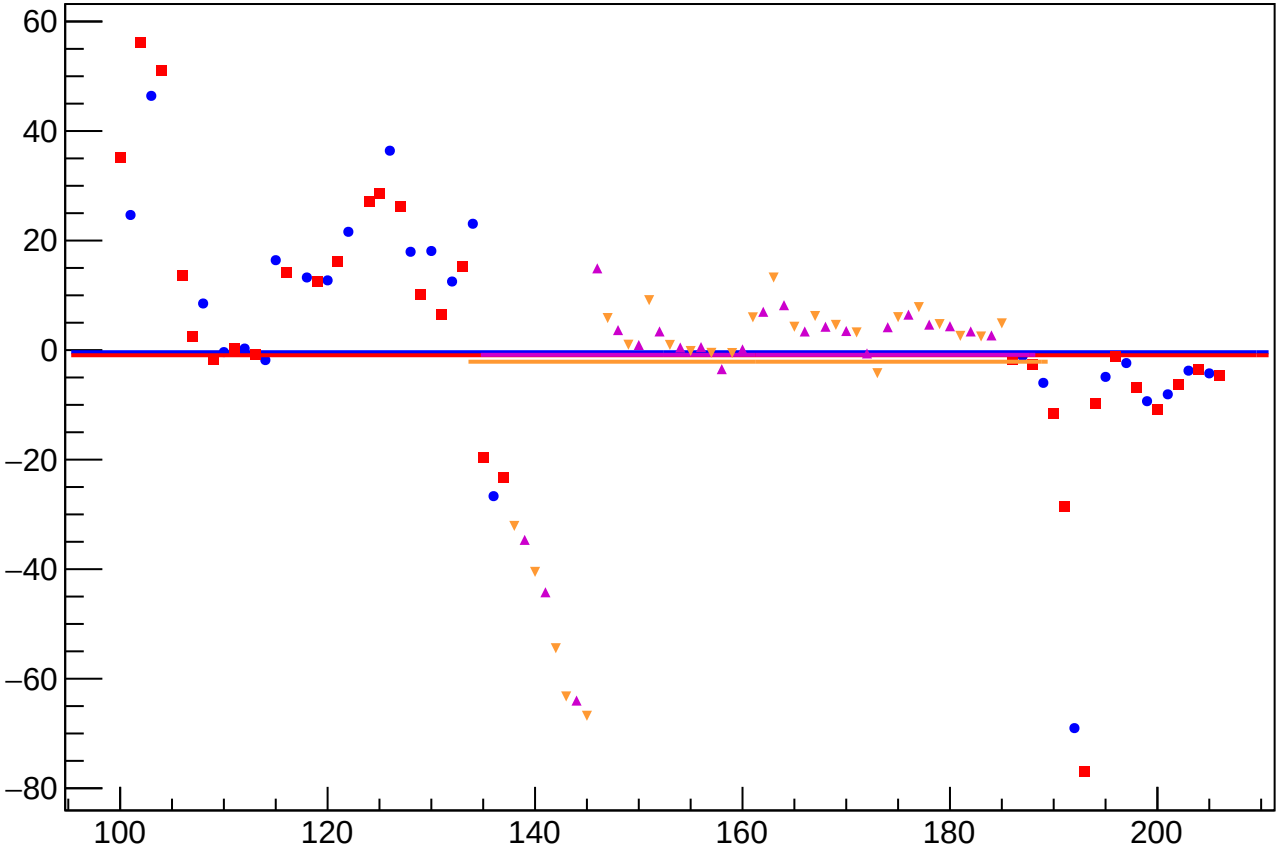
Left In: 0.389+/-0.031 χ^2/NDF:7114.2/22

+ sign 0.315+/-0.027 χ^2/NDF: 13037.5/49

All: 0.301+/-0.019 χ^2/NDF: 25438.3/103

- sign 0.288+/-0.026 χ^2/NDF: 12400.3/53

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



Right In: -0.387+/-0.044 χ^2/NDF: 117980.0/24

Left Out: -2.119+/-0.040 χ^2/NDF:171039.7/24

Right Out: -0.940+/-0.038 χ^2/NDF: 119450.1/30

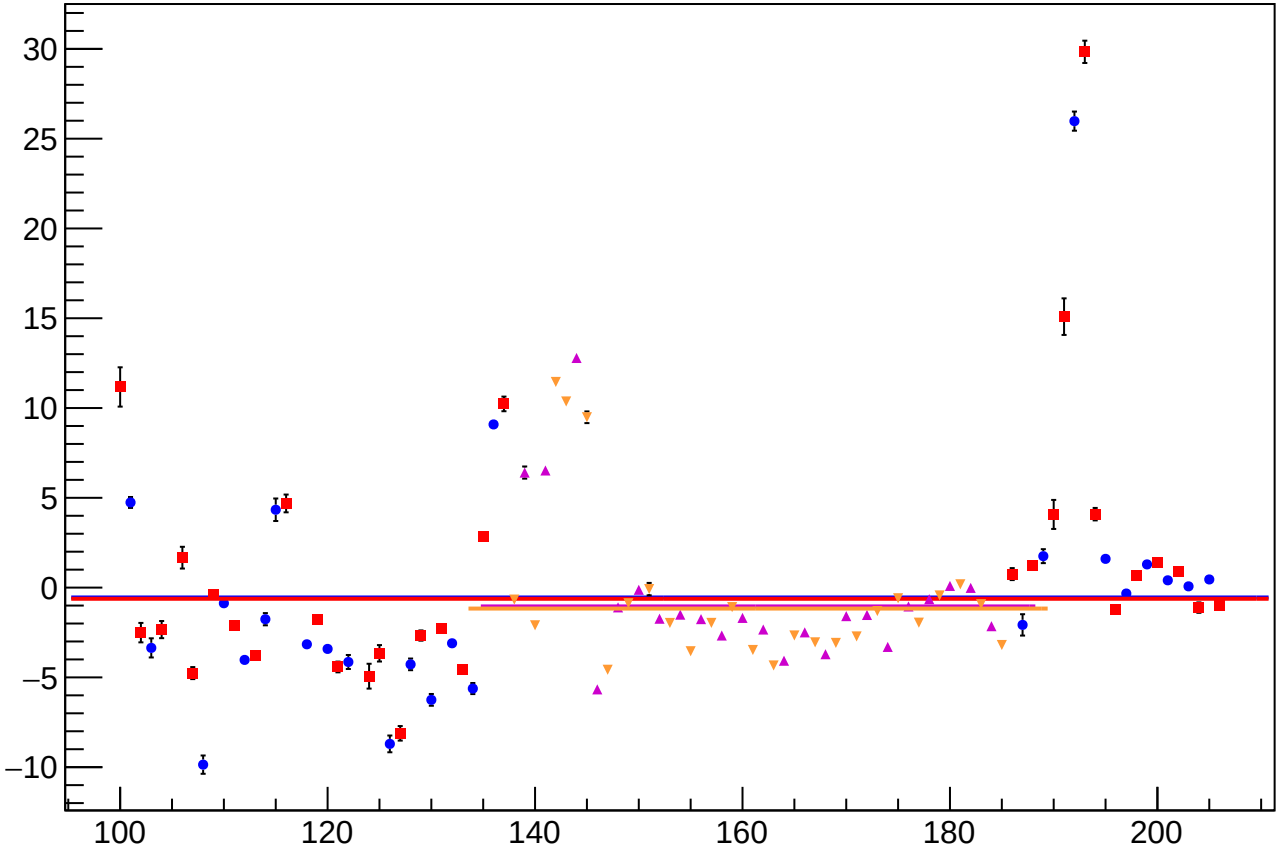
Left In: -0.859+/-0.039 χ^2/NDF:129084.9/22

+ sign -1.326+/-0.030 χ^2/NDF: 289873.3/49

All: -1.096+/-0.020 χ^2/NDF: 538522.8/103

- sign -0.901+/-0.027 χ^2/NDF: 248537.2/53

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.550+/-0.056 χ^2/NDF: 7438.1/24

Left Out: -1.167+/-0.036 χ^2/NDF:7001.4/24

Right Out: -0.622+/-0.052 χ^2/NDF: 5766.0/30

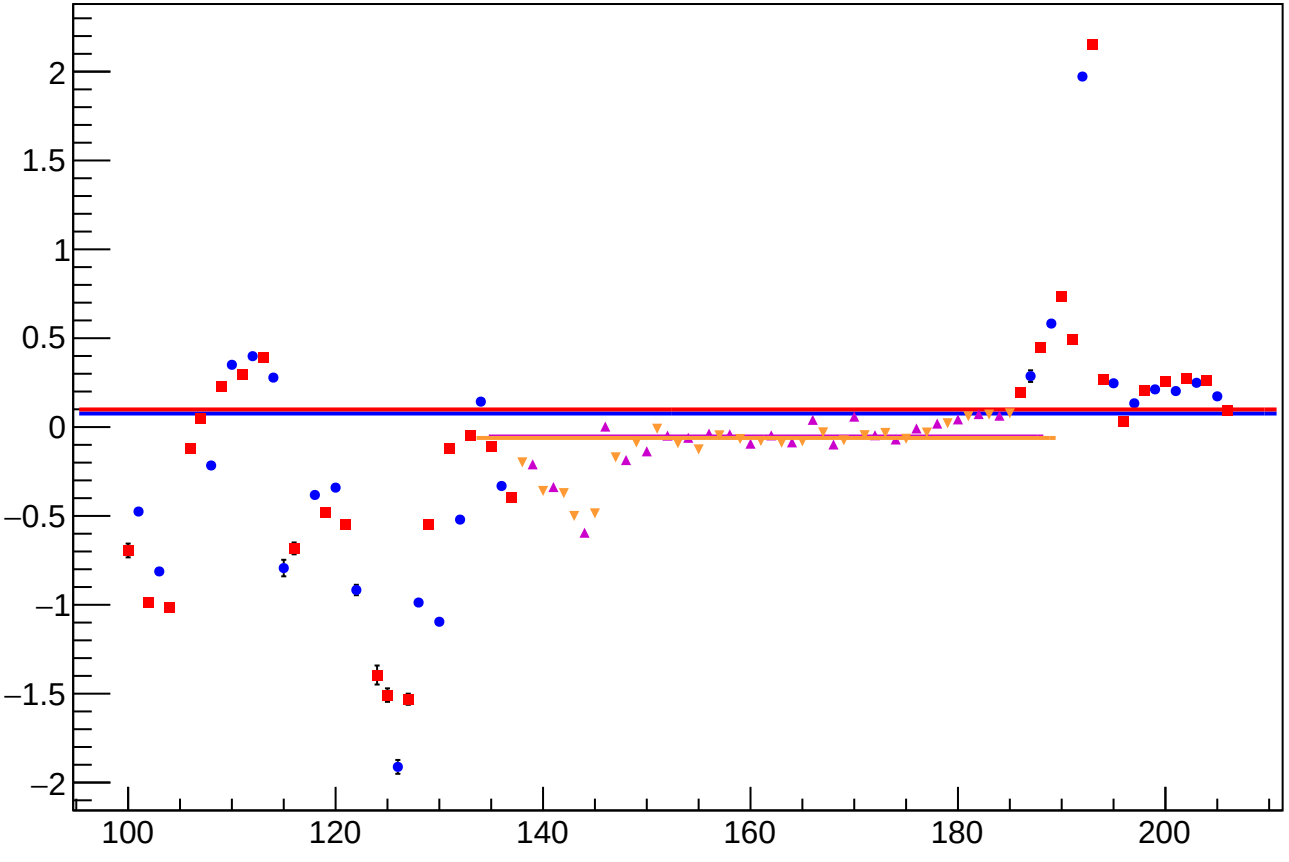
Left In: -1.048+/-0.035 χ^2/NDF:7040.7/22

+ sign -0.985+/-0.030 χ^2/NDF: 14525.4/49

All: -0.949+/-0.021 χ^2/NDF: 27381.9/103

- sign -0.915+/-0.029 χ^2/NDF: 12853.7/53

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.076+/-0.003 χ^2/NDF: 34255.5/24

Left Out: -0.061+/-0.002 χ^2/NDF:5729.4/24

Right Out: 0.099+/-0.002 χ^2/NDF: 34950.1/30

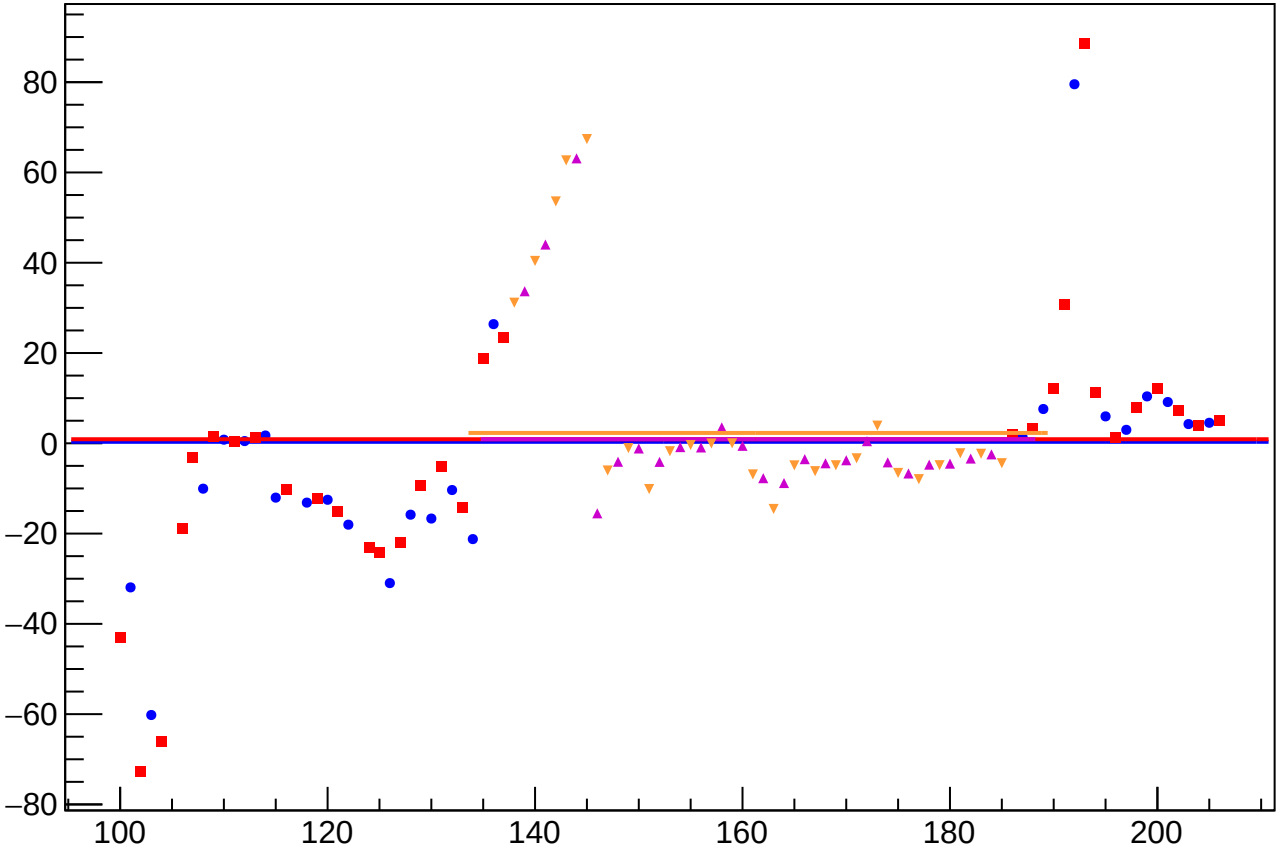
Left In: -0.053+/-0.001 χ^2/NDF:5006.2/22

+ sign -0.022+/-0.001 χ^2/NDF: 42128.7/49

All: -0.015+/-0.001 χ^2/NDF: 85127.3/103

- sign -0.009+/-0.001 χ^2/NDF: 42949.5/53

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 0.333+/-0.042 χ^2/NDF: 119112.3/24

Left Out: 2.296+/-0.040 χ^2/NDF:177186.2/24

Right Out: 0.901+/-0.036 χ^2/NDF: 121212.5/30

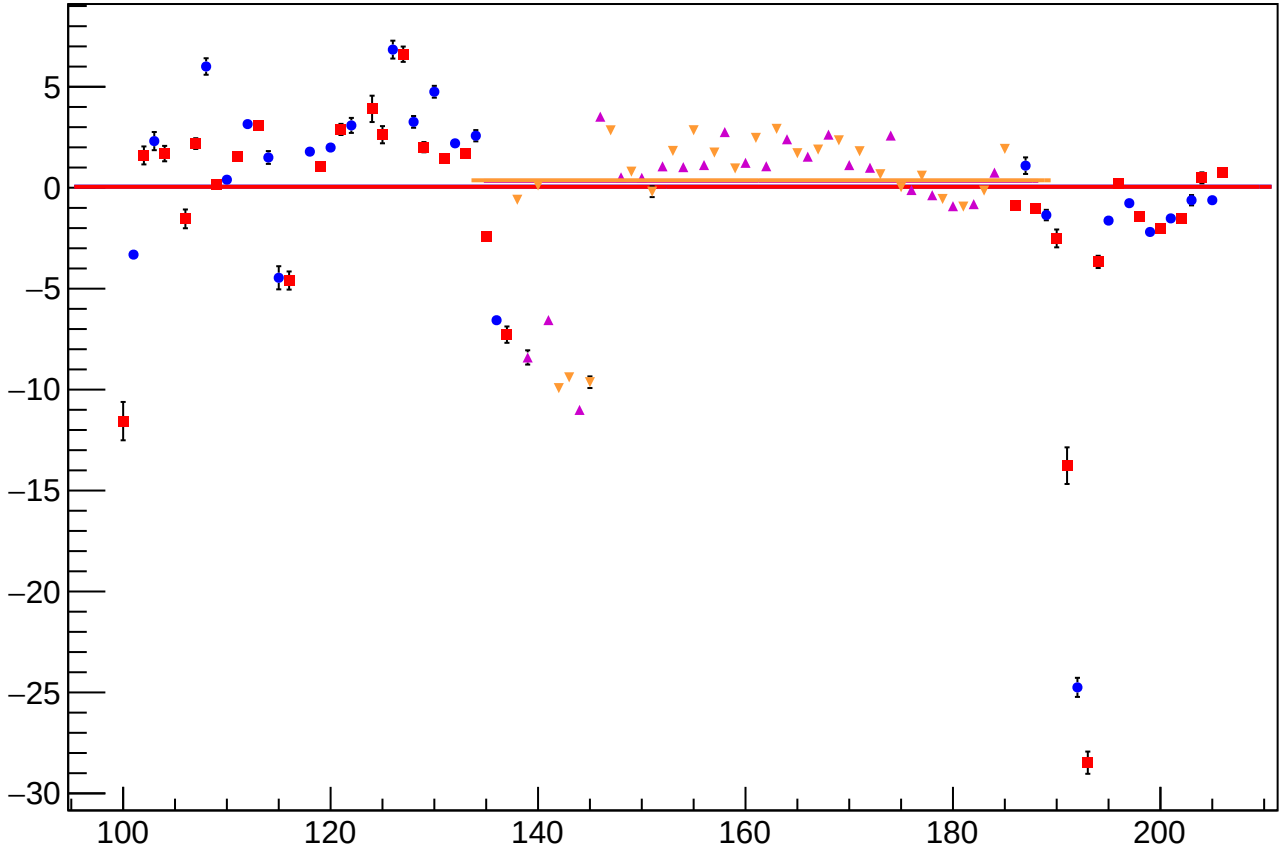
Left In: 0.912+/-0.040 χ^2/NDF:132573.8/22

+ sign 1.359+/-0.029 χ^2/NDF: 297430.9/49

All: 1.113+/-0.020 χ^2/NDF: 551348.9/103

- sign 0.906+/-0.027 χ^2/NDF: 253786.3/53

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.053+/-0.048 χ^2/NDF: 5947.4/24

Left Out: 0.368+/-0.033 χ^2/NDF:7068.0/24

Right Out: 0.045+/-0.045 χ^2/NDF: 5247.6/30

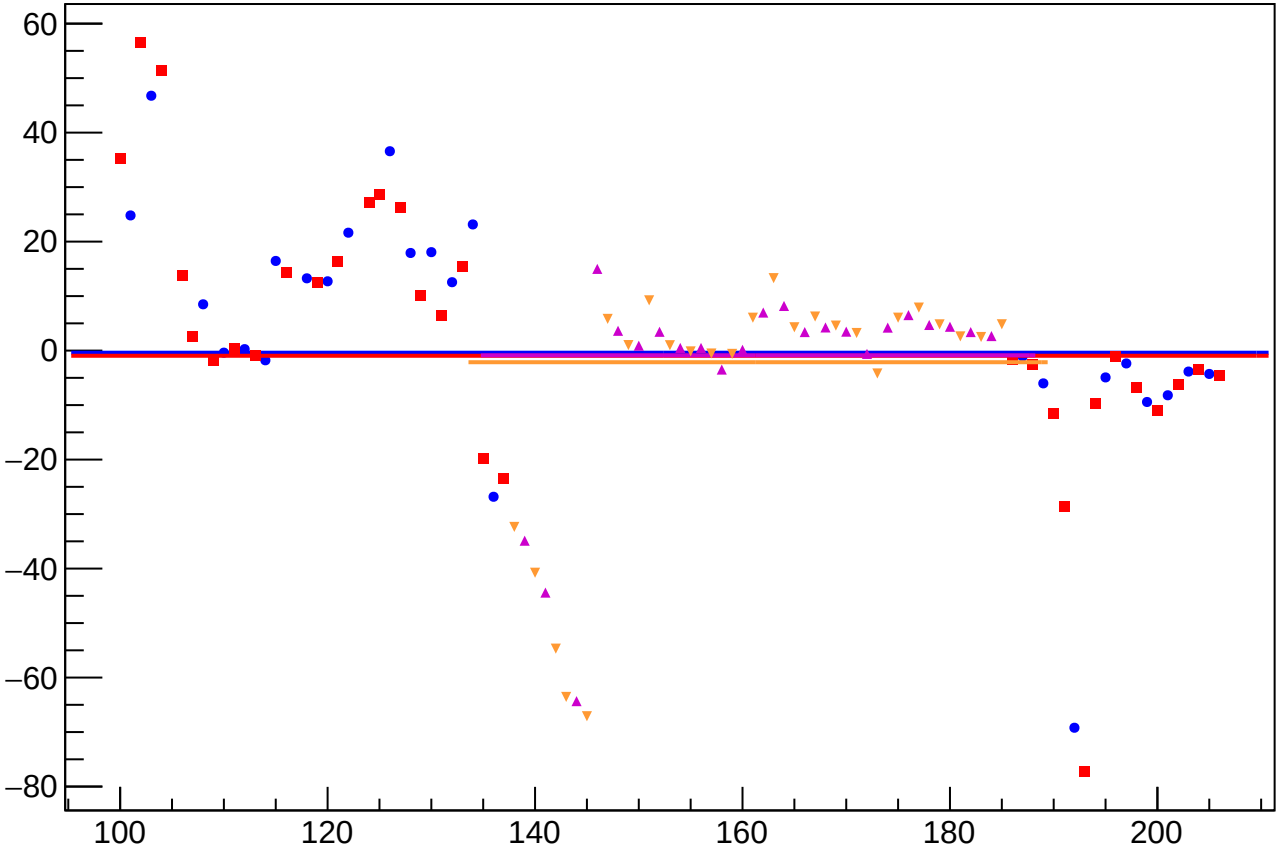
Left In: 0.337+/-0.031 χ^2/NDF:7094.3/22

+ sign 0.268+/-0.027 χ^2/NDF: 13044.3/49

All: 0.253+/-0.019 χ^2/NDF: 25415.2/103

- sign 0.240+/-0.026 χ^2/NDF: 12370.4/53

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -0.385+/-0.044 χ^2/NDF: 118037.4/24

Left Out: -2.133+/-0.040 χ^2/NDF:171466.8/24

Right Out: -0.948+/-0.038 χ^2/NDF: 119513.6/30

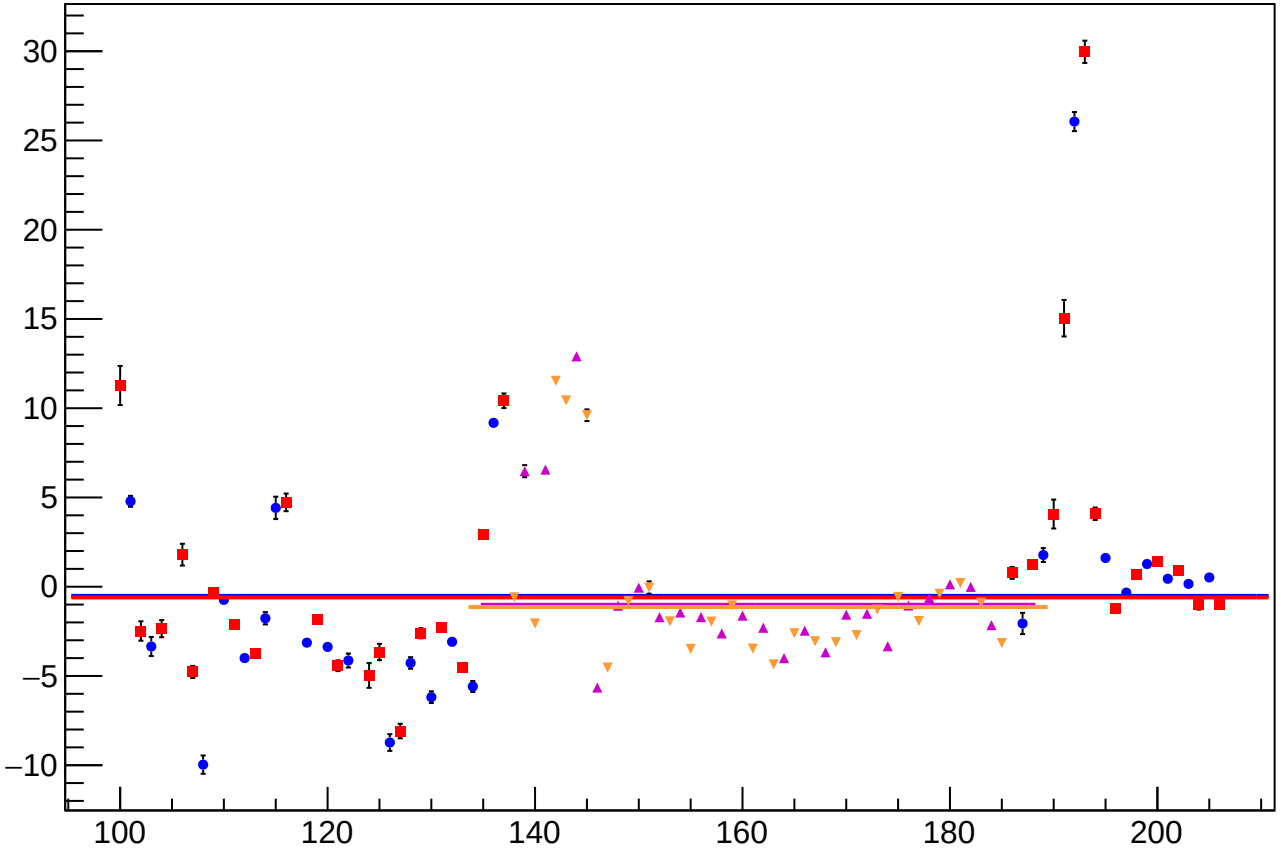
Left In: -0.871+/-0.039 χ^2/NDF:129263.4/22

+ sign -1.335+/-0.030 χ^2/NDF: 290364.1/49

All: -1.105+/-0.020 χ^2/NDF: 539253.2/103

- sign -0.911+/-0.027 χ^2/NDF: 248778.9/53

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.515+/-0.056 χ^2/NDF: 7432.3/24

Left Out: -1.140+/-0.036 χ^2/NDF:7022.9/24

Right Out: -0.600+/-0.052 χ^2/NDF: 5770.8/30

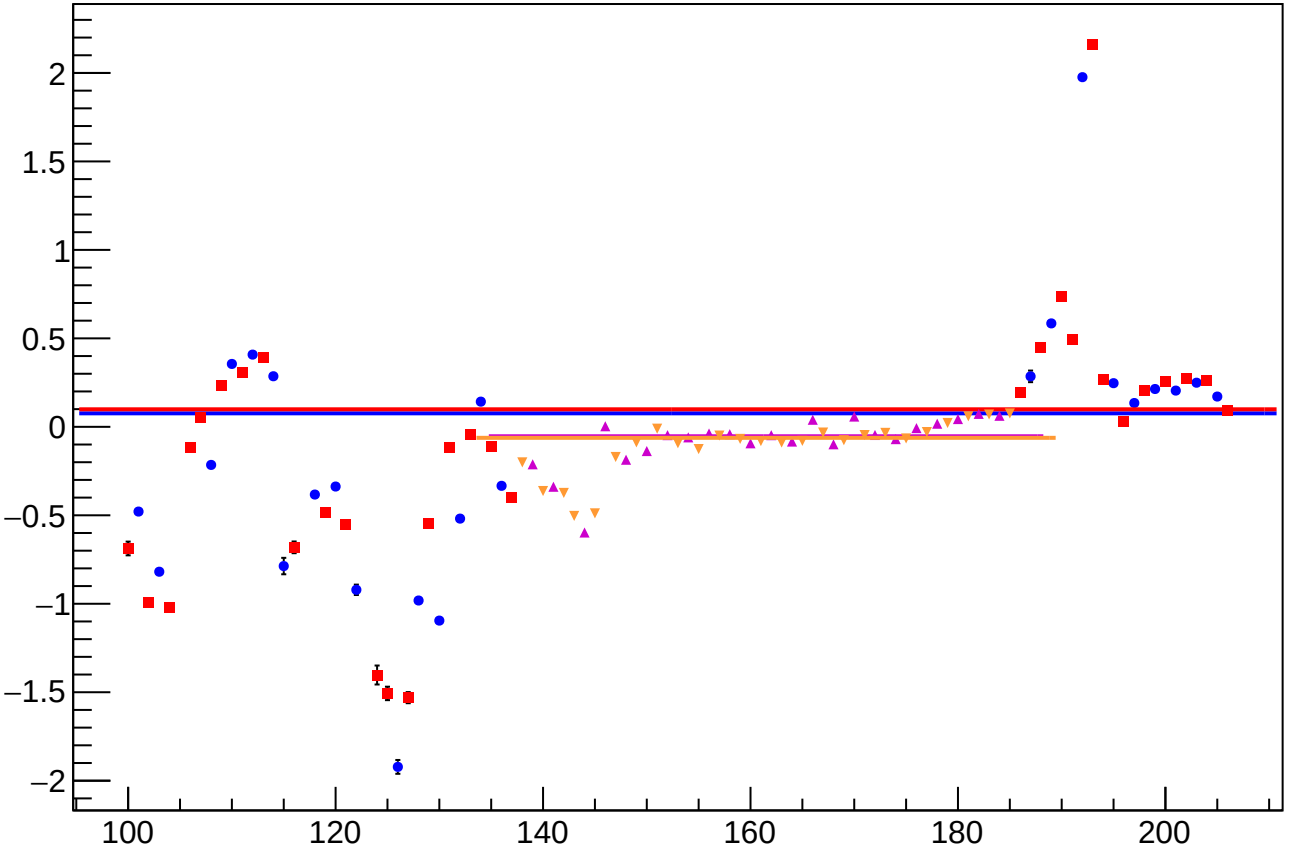
Left In: -1.013+/-0.035 χ^2/NDF:7027.2/22

+ sign -0.956+/-0.031 χ^2/NDF: 14542.2/49

All: -0.919+/-0.021 χ^2/NDF: 27386.8/103

- sign -0.885+/-0.029 χ^2/NDF: 12841.8/53

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.076+/-0.003 χ^2/NDF: 34246.6/24

Left Out: -0.062+/-0.002 χ^2/NDF:5736.1/24

Right Out: 0.099+/-0.002 χ^2/NDF: 34913.1/30

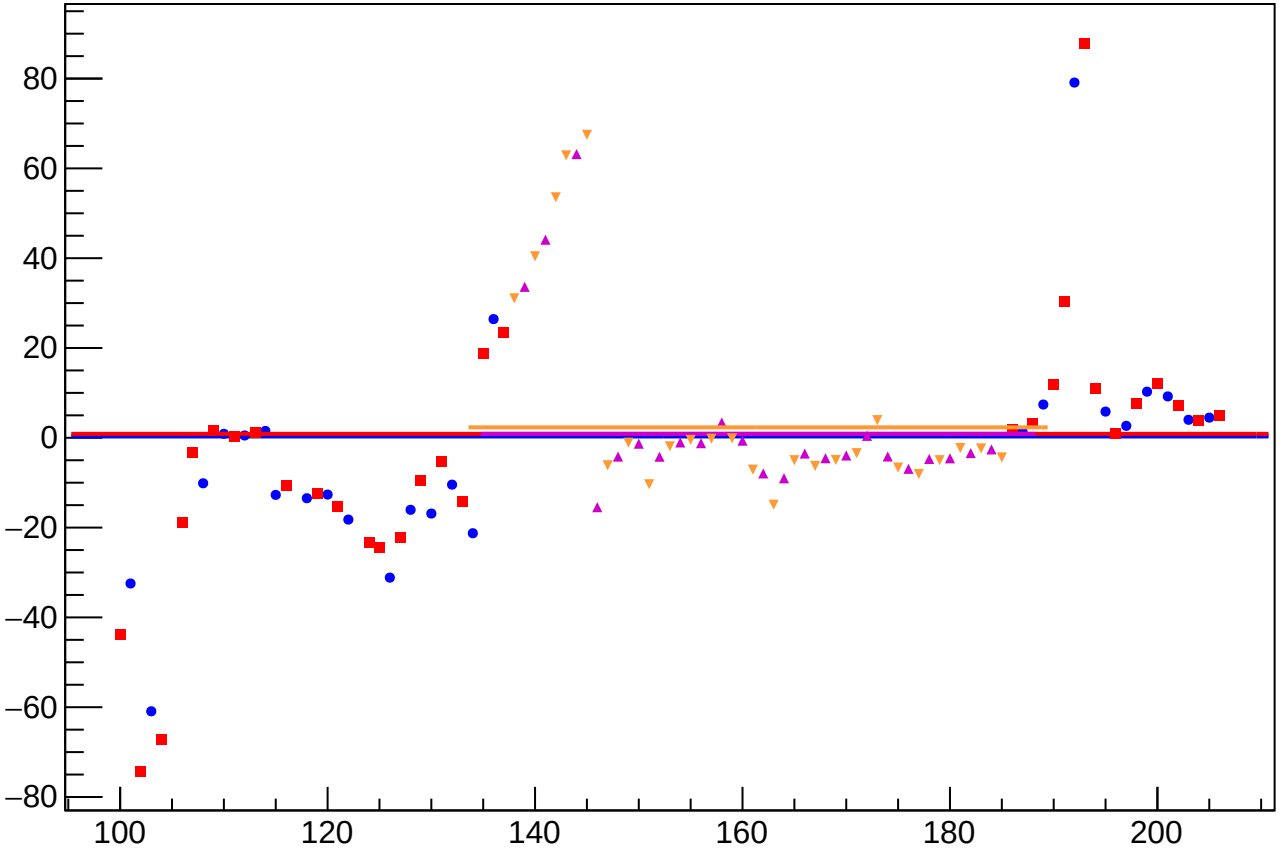
Left In: -0.053+/-0.001 χ^2/NDF:4993.7/22

+ sign -0.023+/-0.001 χ^2/NDF: 42131.0/49

All: -0.016+/-0.001 χ^2/NDF: 85063.4/103

- sign -0.010+/-0.001 χ^2/NDF: 42879.8/53

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 0.298+/-0.043 χ^2/NDF: 117242.1/24

Left Out: 2.329+/-0.041 χ^2/NDF:174647.6/24

Right Out: 0.880+/-0.036 χ^2/NDF: 119573.0/30

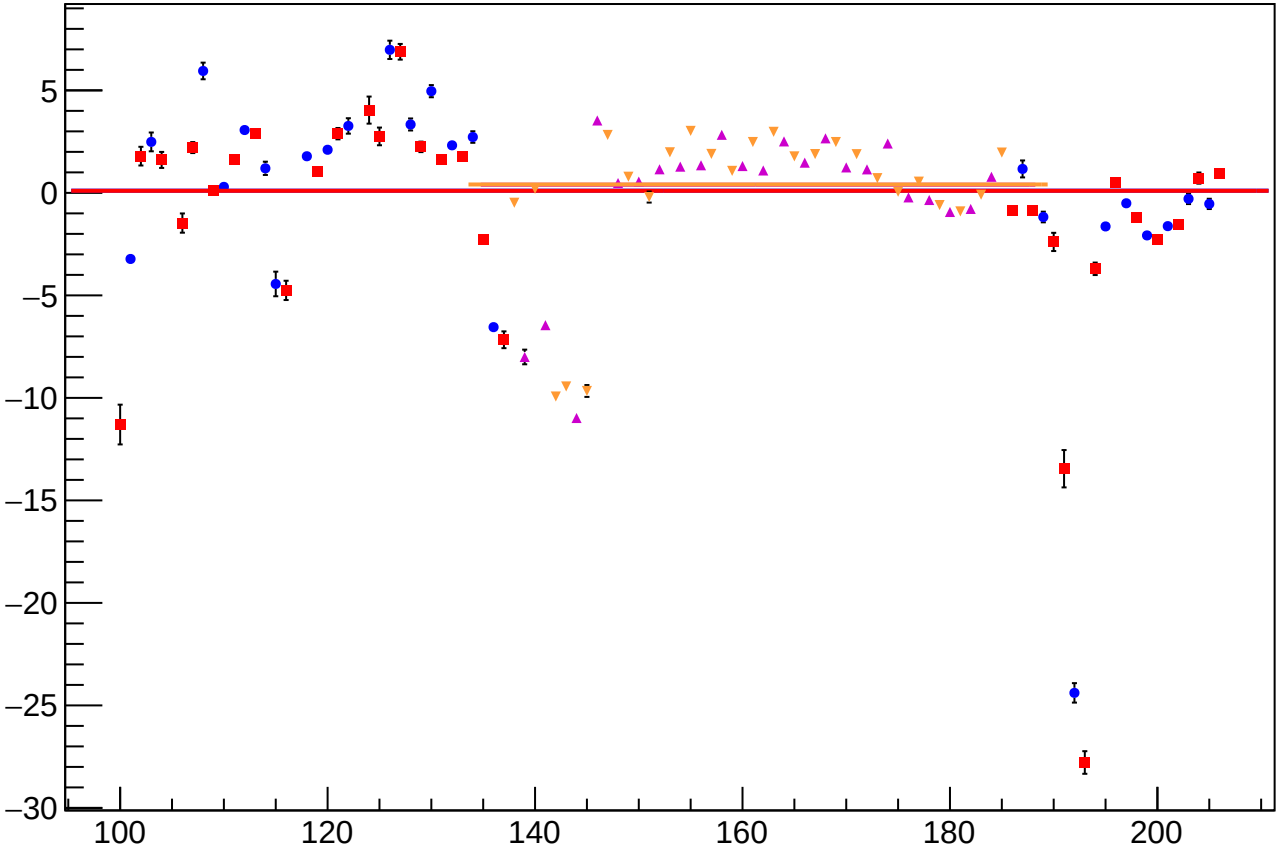
Left In: 0.887+/-0.041 χ^2/NDF:130417.3/22

+ sign 1.354+/-0.030 χ^2/NDF: 293063.0/49

All: 1.098+/-0.020 χ^2/NDF: 543190.5/103

- sign 0.883+/-0.027 χ^2/NDF: 249990.2/53

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.108+/-0.049 χ^2/NDF: 5786.8/24

Left Out: 0.410+/-0.033 χ^2/NDF:7047.9/24

Right Out: 0.101+/-0.045 χ^2/NDF: 5057.8/30

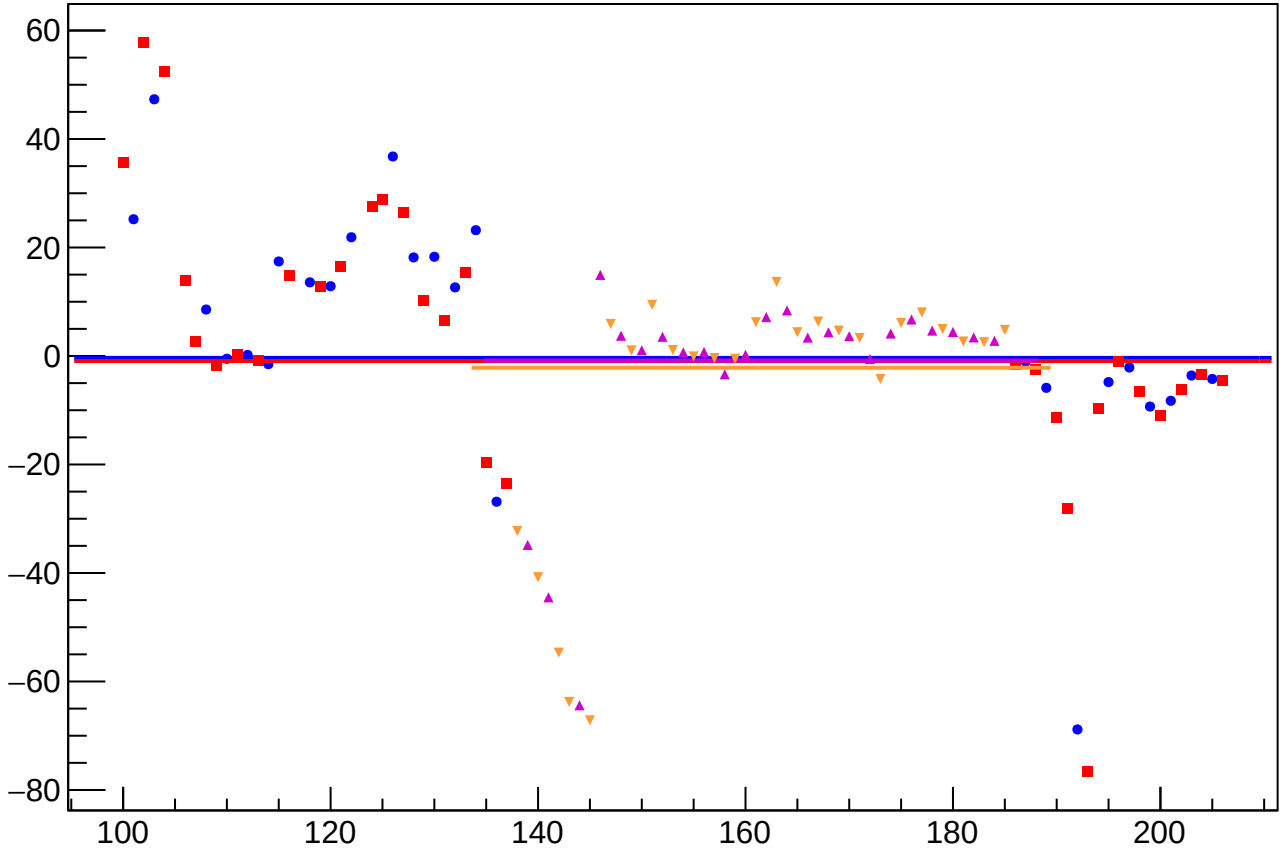
Left In: 0.396+/-0.032 χ^2/NDF:6932.0/22

+ sign 0.314+/-0.028 χ^2/NDF: 12860.5/49

All: 0.305+/-0.019 χ^2/NDF: 24878.7/103

- sign 0.298+/-0.026 χ^2/NDF: 12018.0/53

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -0.355+/-0.044 χ^2/NDF: 116205.4/24

Left Out: -2.163+/-0.041 χ^2/NDF:168990.2/24

Right Out: -0.930+/-0.038 χ^2/NDF: 117884.7/30

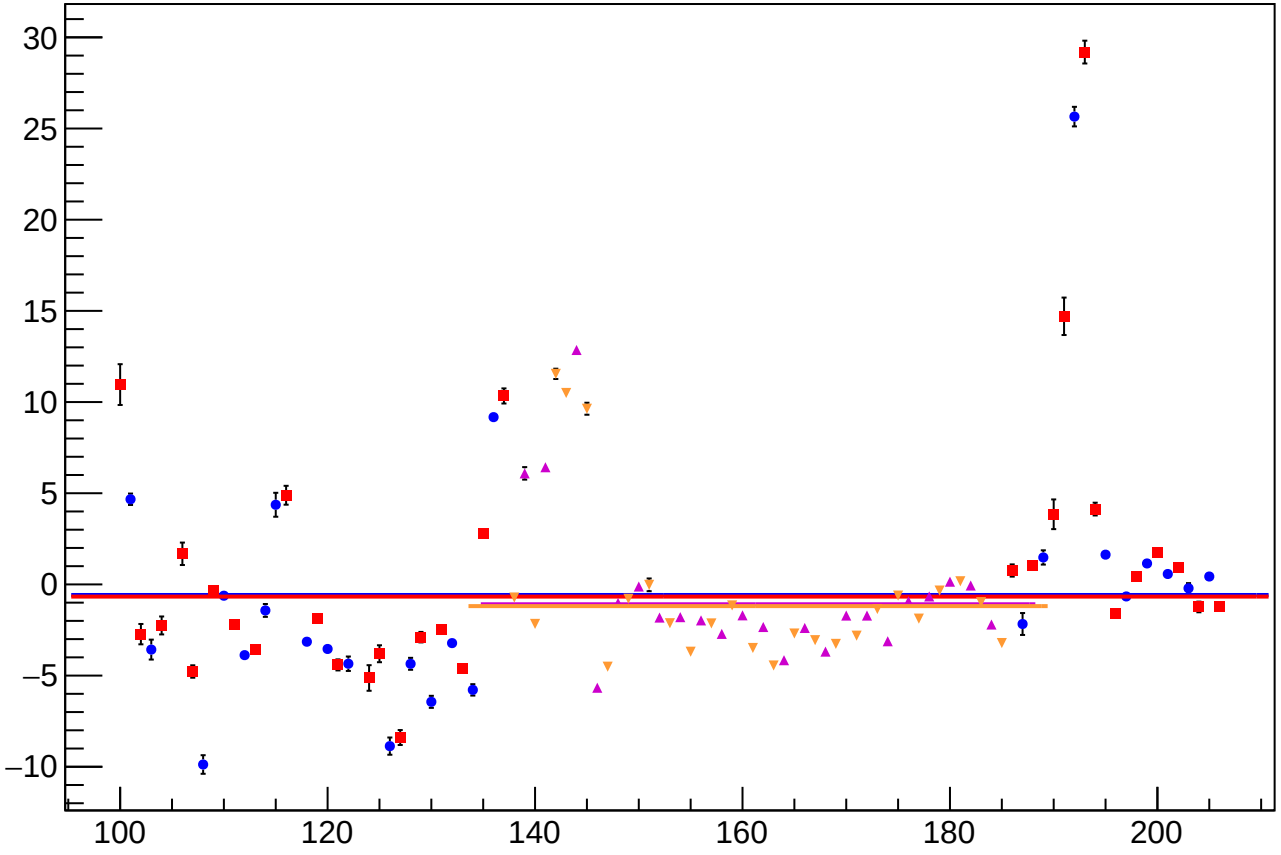
Left In: -0.843+/-0.040 χ^2/NDF:127135.3/22

+ sign -1.330+/-0.030 χ^2/NDF: 286089.0/49

All: -1.091+/-0.020 χ^2/NDF: 531227.9/103

- sign -0.889+/-0.028 χ^2/NDF: 245022.5/53

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.580+/-0.057 χ^2/NDF: 7270.4/24

Left Out: -1.190+/-0.037 χ^2/NDF:6995.9/24

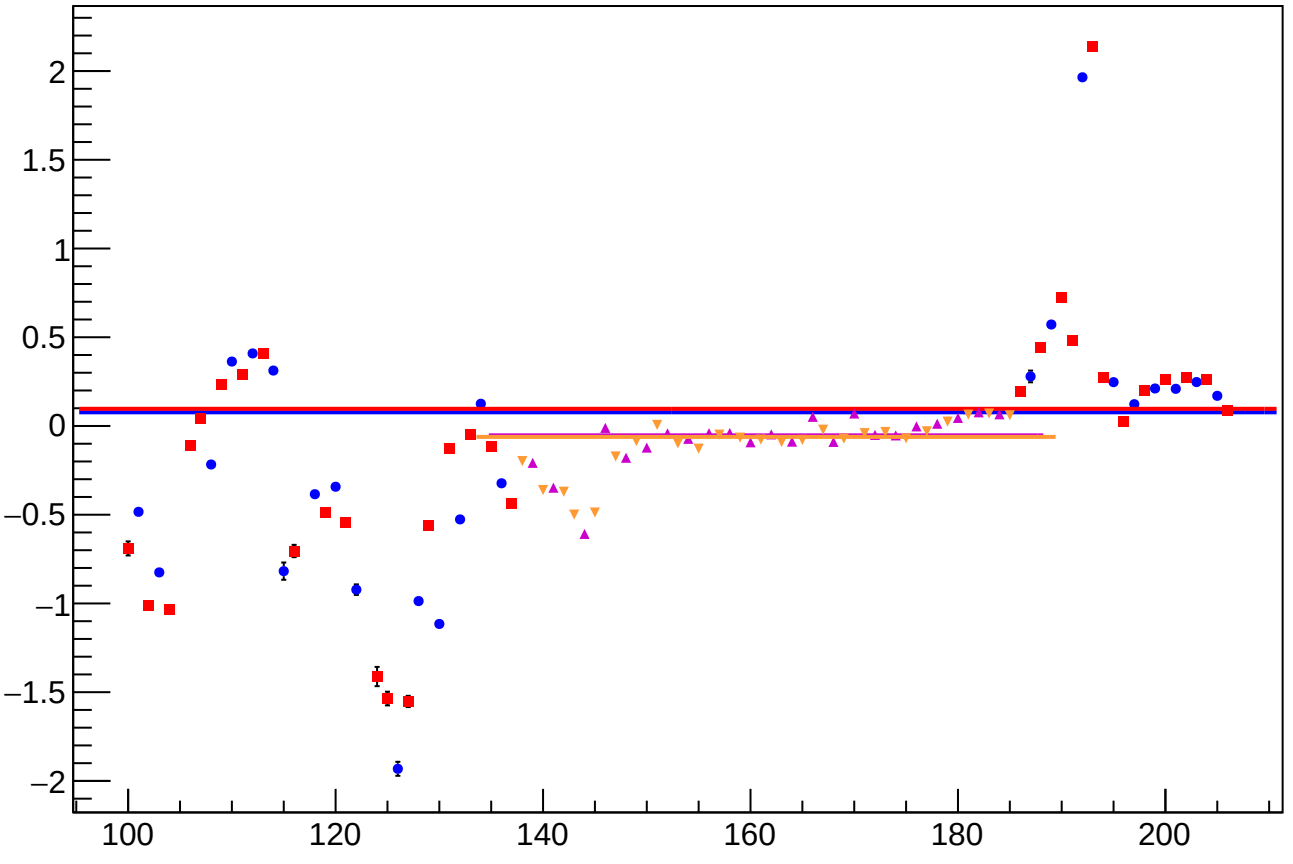
Right Out: -0.668+/-0.053 χ^2/NDF: 5584.4/30

Left In: -1.089+/-0.036 χ^2/NDF:6840.8/22

+ sign -1.010+/-0.031 χ^2/NDF: 14347.0/49

All: -0.982+/-0.021 χ^2/NDF: 26817.6/103

- sign -0.957+/-0.029 χ^2/NDF: 12469.1/53



Right In: 0.077+/-0.003 χ^2/NDF: 33523.7/24

Left Out: -0.062+/-0.002 χ^2/NDF:5563.5/24

Right Out: 0.097+/-0.002 χ^2/NDF: 34476.5/30

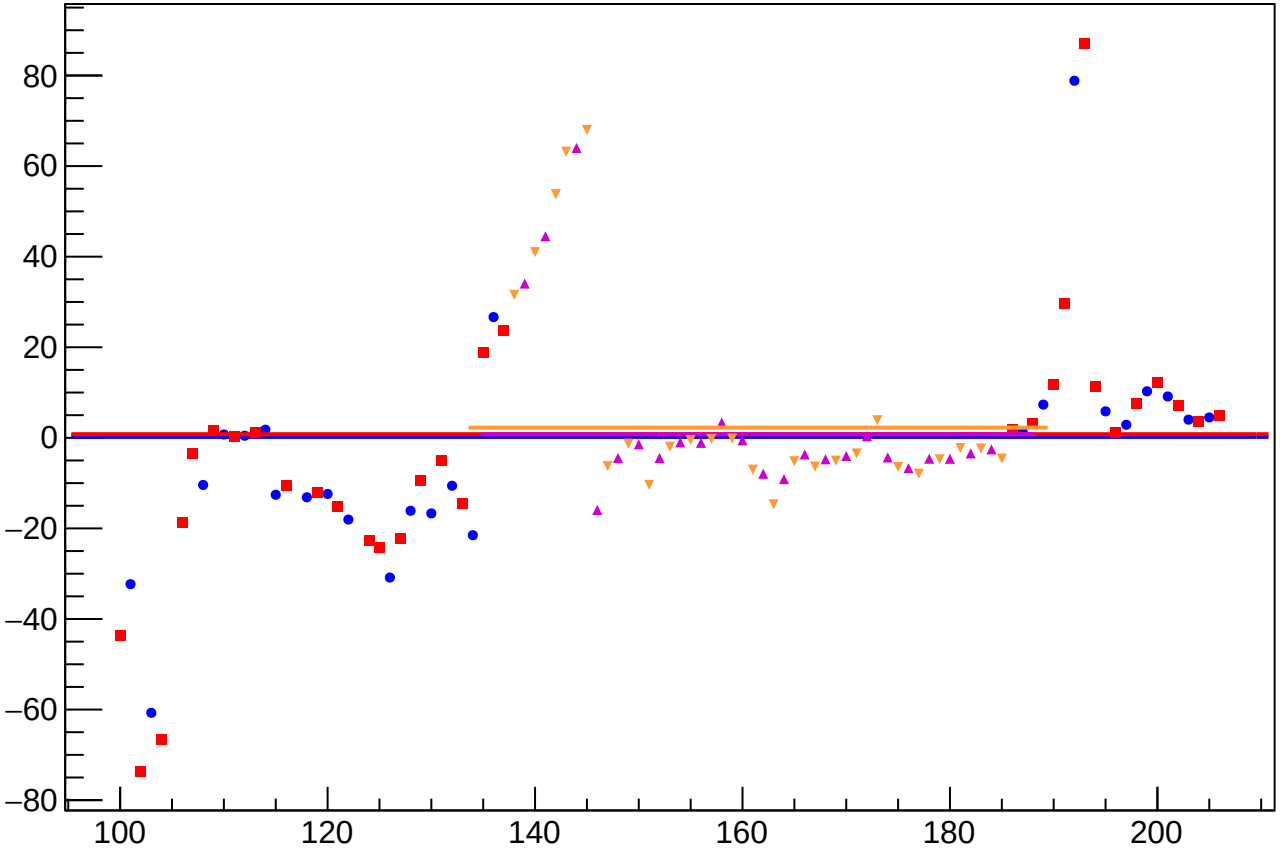
Left In: -0.053+/-0.002 χ^2/NDF:5036.0/22

+ sign -0.022+/-0.001 χ^2/NDF: 41185.4/49

All: -0.015+/-0.001 χ^2/NDF: 83533.1/103

- sign -0.009+/-0.001 χ^2/NDF: 42301.7/53

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



Right In: 0.207+/-0.043 χ^2/NDF: 115533.0/24

Left Out: 2.255+/-0.041 χ^2/NDF:171671.4/24

Right Out: 0.805+/-0.037 χ^2/NDF: 117369.5/30

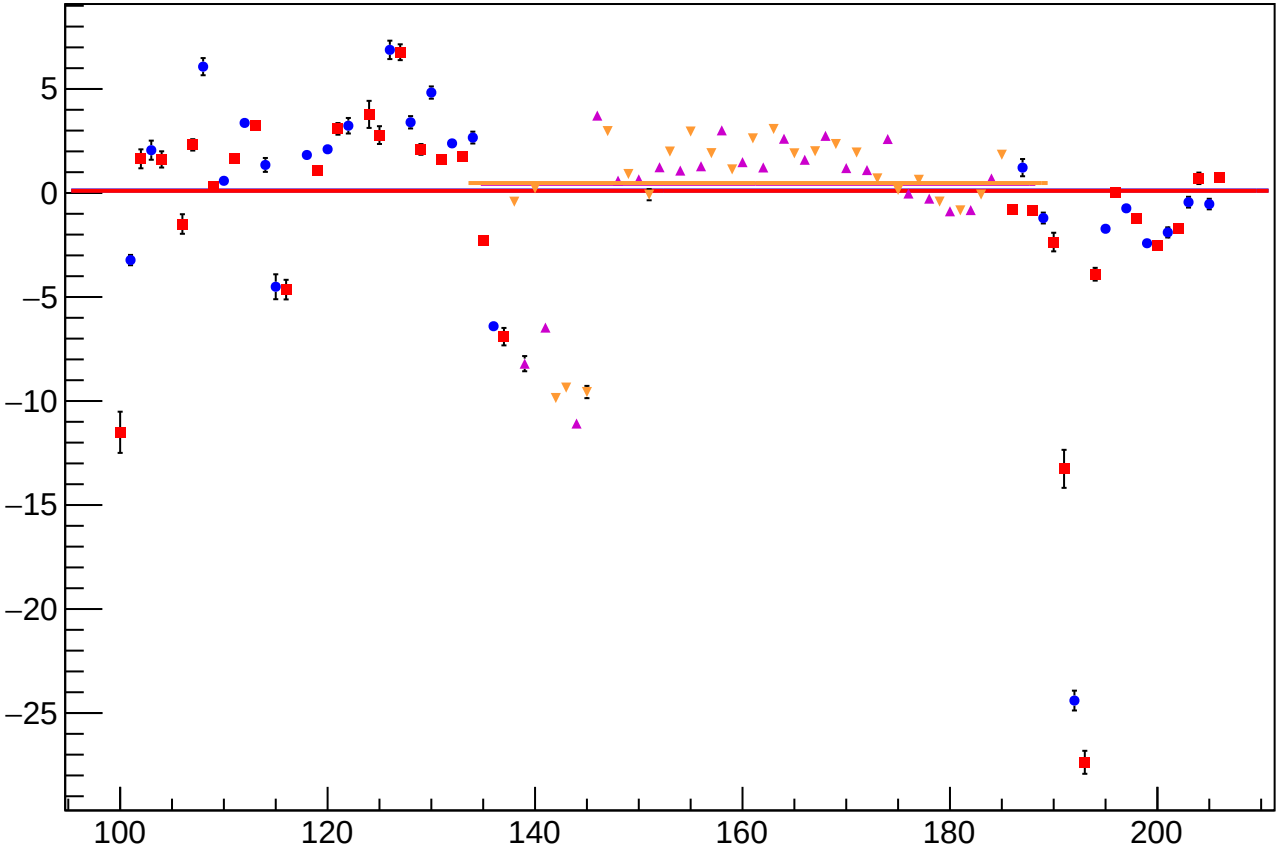
Left In: 0.794+/-0.041 χ^2/NDF:128828.3/22

+ sign 1.277+/-0.030 χ^2/NDF: 288366.8/49

All: 1.018+/-0.020 χ^2/NDF: 534702.0/103

- sign 0.800+/-0.028 χ^2/NDF: 246197.9/53

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.120+/-0.049 χ^2/NDF: 5778.1/24

Left Out: 0.479+/-0.034 χ^2/NDF:6808.1/24

Right Out: 0.104+/-0.046 χ^2/NDF: 4972.8/30

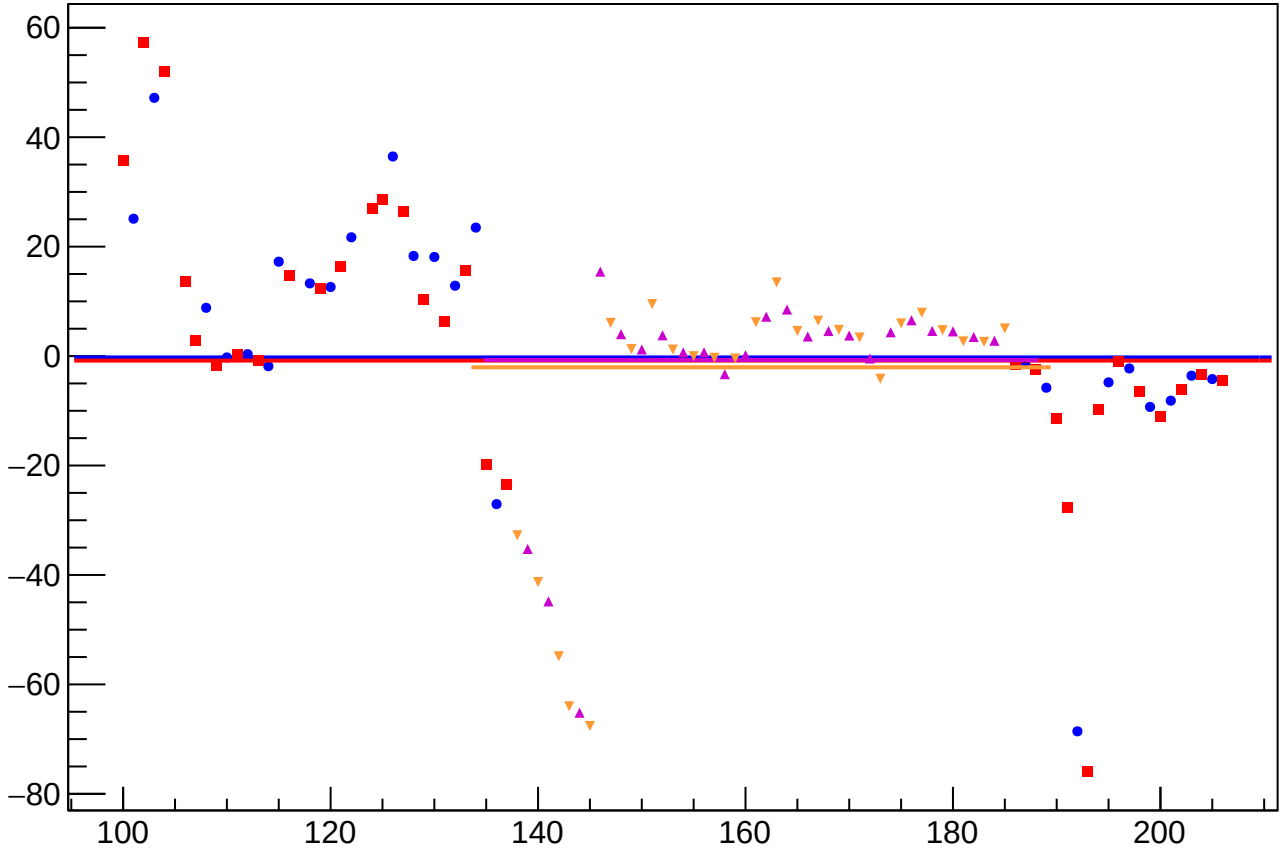
Left In: 0.440+/-0.032 χ^2/NDF:6893.7/22

+ sign 0.364+/-0.028 χ^2/NDF: 12622.1/49

All: 0.345+/-0.019 χ^2/NDF: 24525.5/103

- sign 0.328+/-0.026 χ^2/NDF: 11902.4/53

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -0.245+/-0.045 χ^2/NDF: 114480.0/24

Left Out: -2.051+/-0.041 χ^2/NDF:166009.6/24

Right Out: -0.822+/-0.039 χ^2/NDF: 115712.4/30

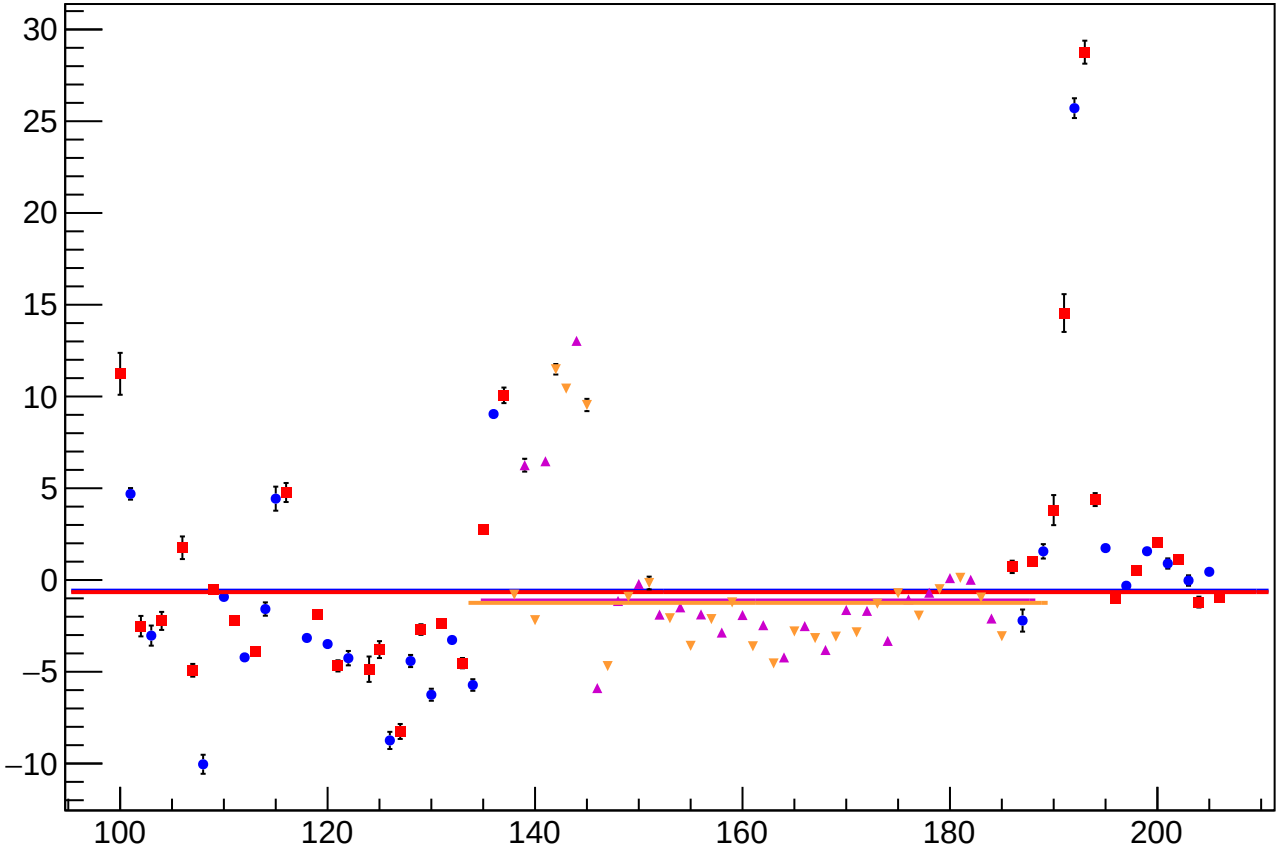
Left In: -0.720+/-0.041 χ^2/NDF:125531.3/22

+ sign -1.221+/-0.030 χ^2/NDF: 281361.7/49

All: -0.979+/-0.021 χ^2/NDF: 522725.6/103

- sign -0.773+/-0.028 χ^2/NDF: 241247.0/53

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.580+/-0.058 χ^2/NDF: 7168.9/24

Left Out: -1.244+/-0.037 χ^2/NDF:6768.7/24

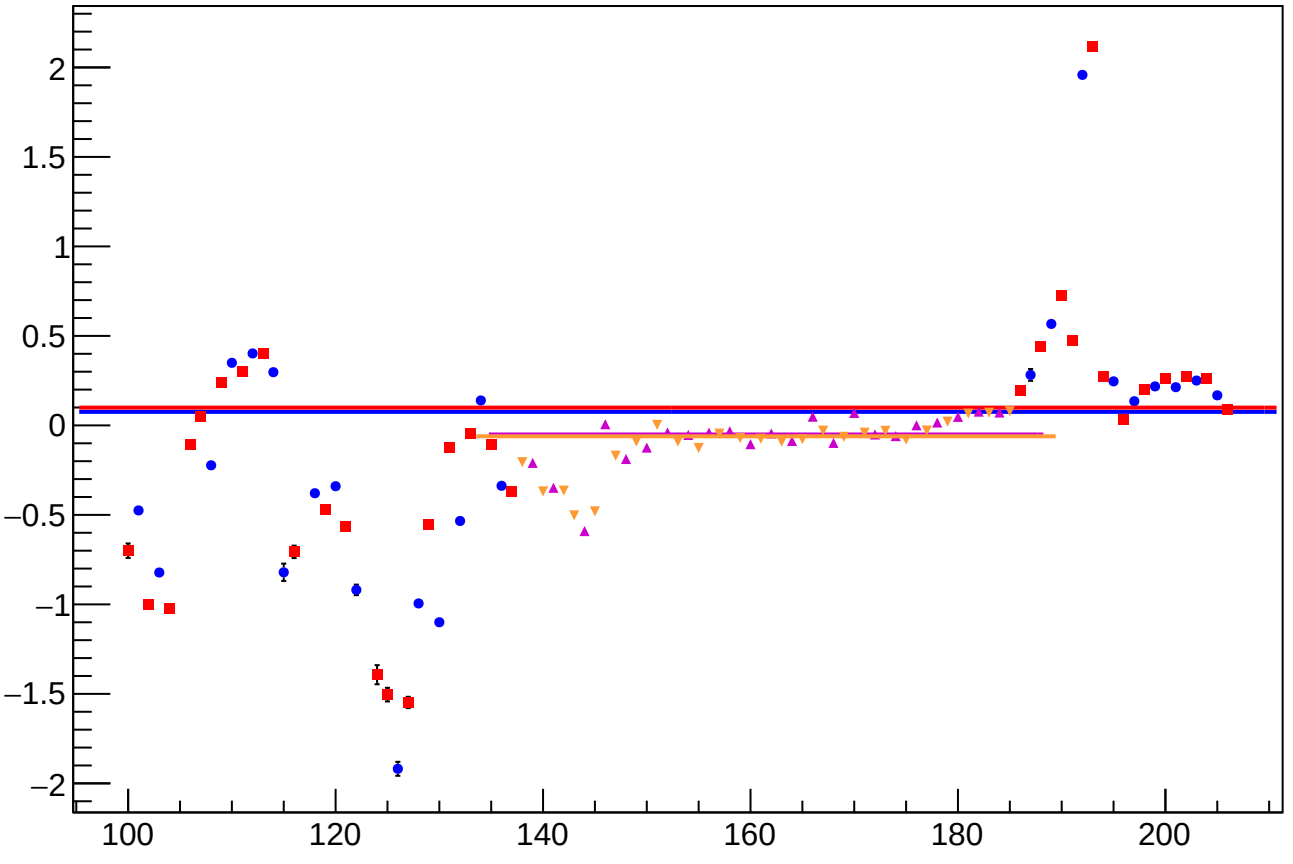
Right Out: -0.660+/-0.053 χ^2/NDF: 5455.5/30

Left In: -1.117+/-0.036 χ^2/NDF:6840.3/22

+ sign -1.048+/-0.031 χ^2/NDF: 14031.1/49

All: -1.010+/-0.022 χ^2/NDF: 26380.1/103

- sign -0.975+/-0.030 χ^2/NDF: 12346.1/53



Right In: 0.076+/-0.003 χ^2/NDF: 33179.6/24

Left Out: -0.061+/-0.002 χ^2/NDF:5479.8/24

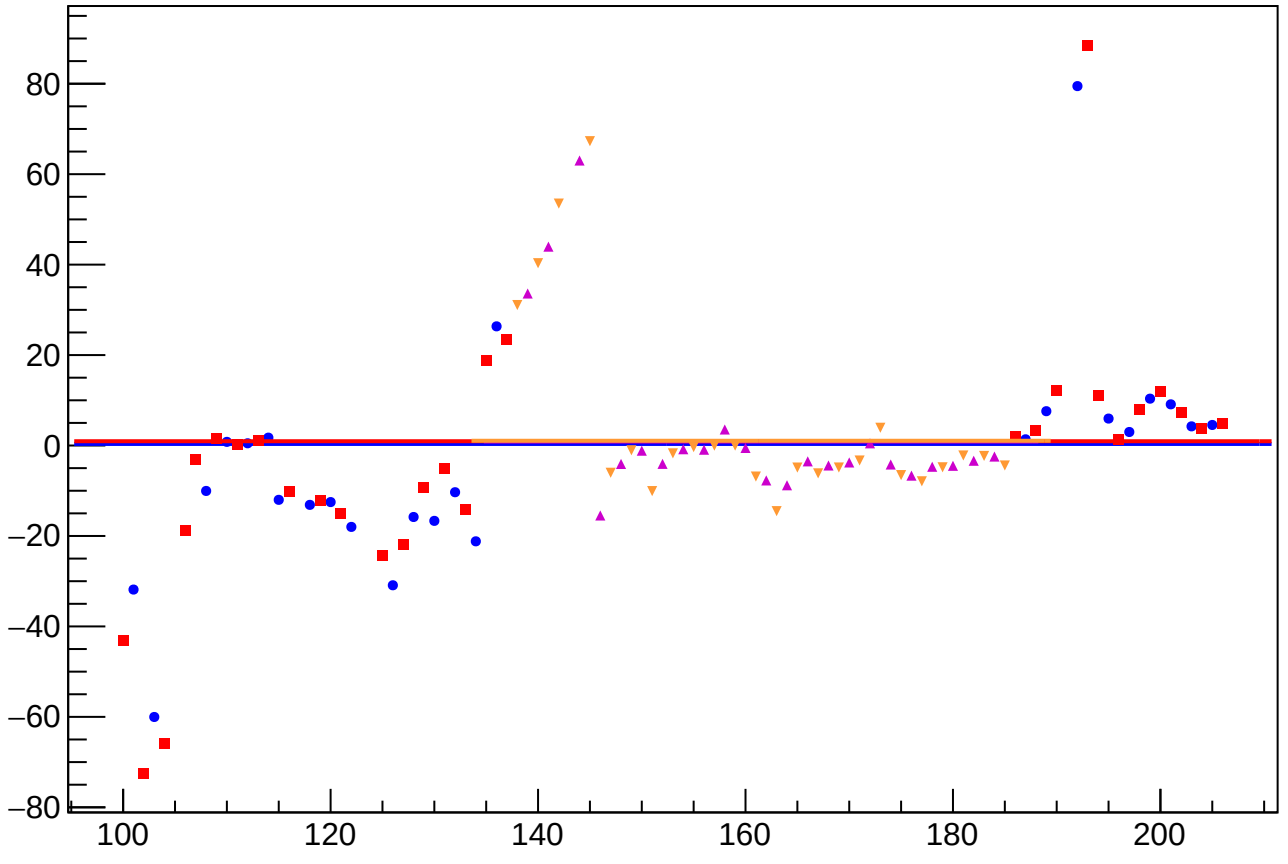
Right Out: 0.099+/-0.002 χ^2/NDF: 33549.4/30

Left In: -0.051+/-0.002 χ^2/NDF:4878.7/22

+ sign -0.022+/-0.001 χ^2/NDF: 40651.3/49

All: -0.014+/-0.001 χ^2/NDF: 81869.4/103

- sign -0.007+/-0.001 χ^2/NDF: 41158.3/53



Right In: 0.350+/-0.042 χ^2/NDF: 119317.7/24

Left Out: 1.053+/-0.041 χ^2/NDF:131031.0/23

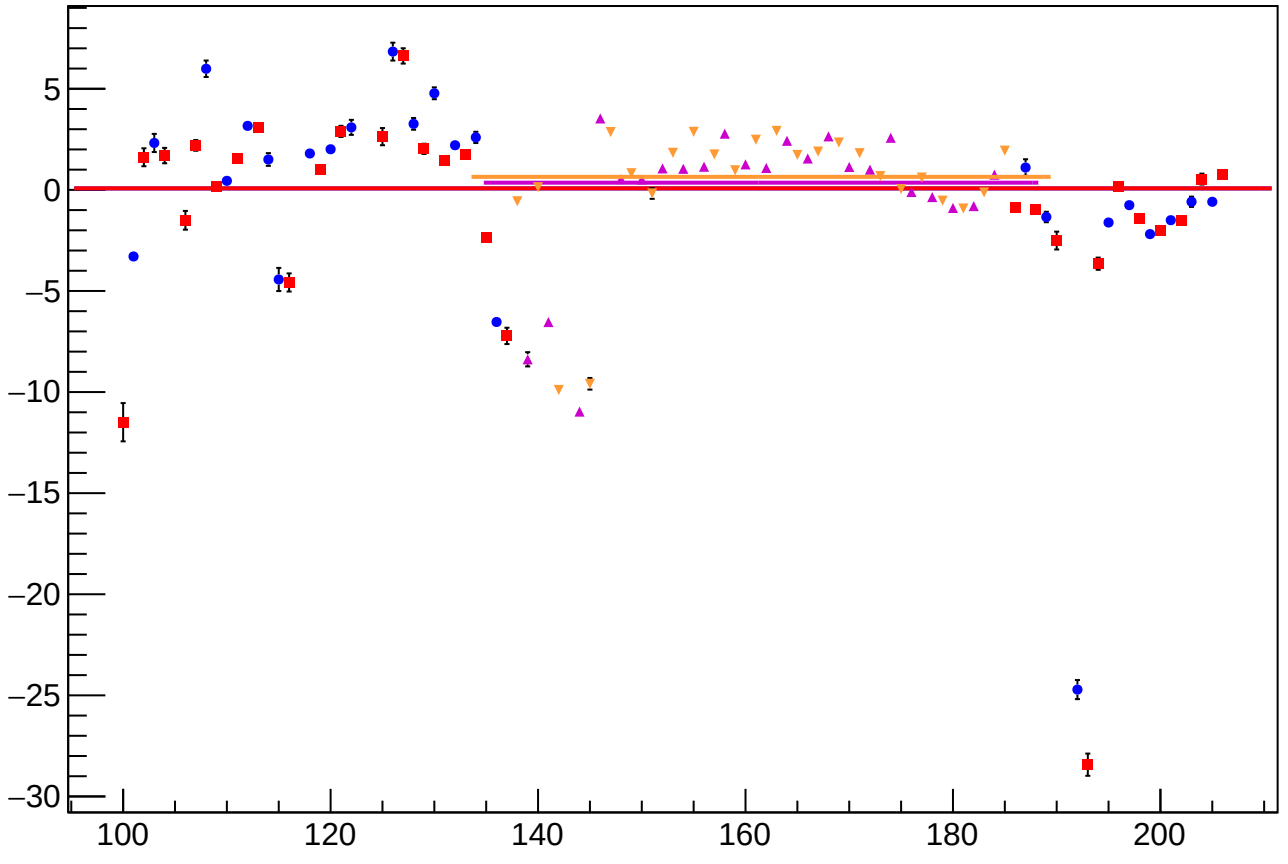
Right Out: 0.950+/-0.036 χ^2/NDF: 118507.9/28

Left In: 0.913+/-0.040 χ^2/NDF:132807.5/22

+ sign 0.714+/-0.029 χ^2/NDF: 250493.8/48

All: 0.834+/-0.020 χ^2/NDF: 501840.7/100

- sign 0.934+/-0.027 χ^2/NDF: 251315.9/51



Right In: 0.070+/-0.048 χ^2/NDF: 5963.5/24

Left Out: 0.644+/-0.033 χ^2/NDF:4711.1/23

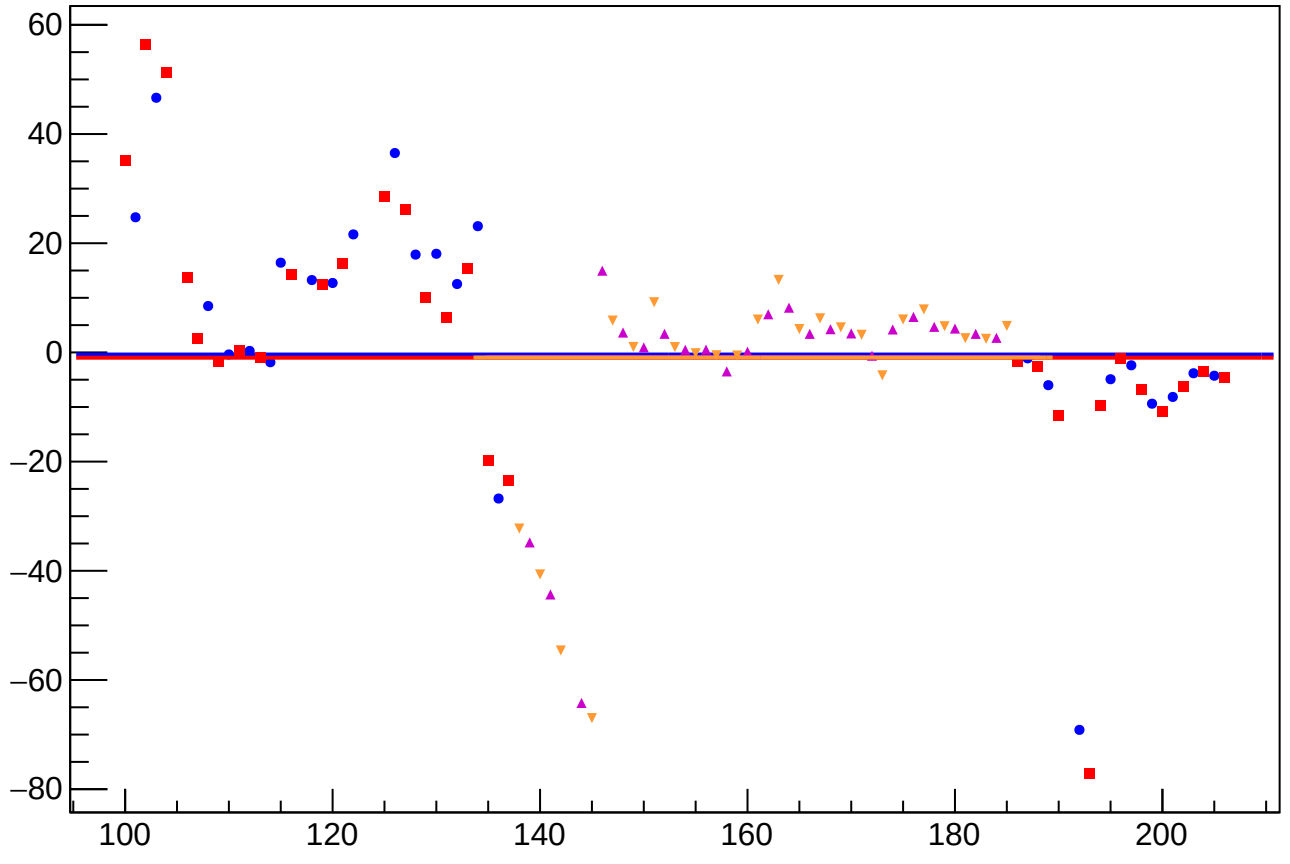
Right Out: 0.075+/-0.045 χ^2/NDF: 4991.4/28

Left In: 0.355+/-0.031 χ^2/NDF:7117.0/22

+ sign 0.459+/-0.027 χ^2/NDF: 10770.9/48

All: 0.355+/-0.019 χ^2/NDF: 22933.0/100

- sign 0.263+/-0.026 χ^2/NDF: 12134.8/51



Right In: -0.392+/-0.044 χ^2/NDF: 118236.1/24

Left Out: -0.929+/-0.041 χ^2/NDF:126378.7/23

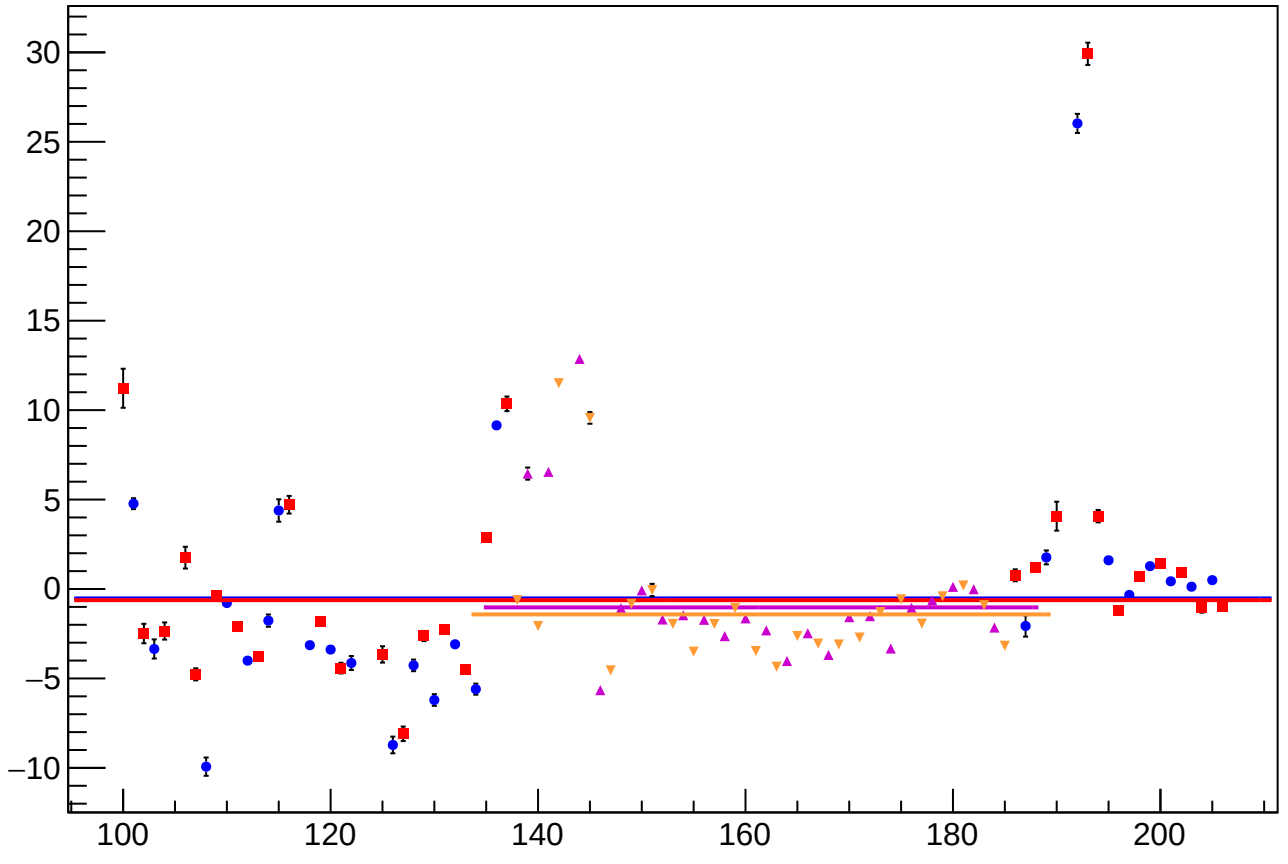
Right Out: -0.967+/-0.038 χ^2/NDF: 116911.7/28

Left In: -0.860+/-0.039 χ^2/NDF:129485.0/22

\+ sign -0.681+/-0.030 χ^2/NDF: 244695.9/48

All: -0.809+/-0.020 χ^2/NDF: 491130.5/100

\- sign -0.916+/-0.027 χ^2/NDF: 246400.5/51



Right In: -0.526+/-0.056 χ^2/NDF: 7449.6/24

Left Out: -1.420+/-0.037 χ^2/NDF:4642.0/23

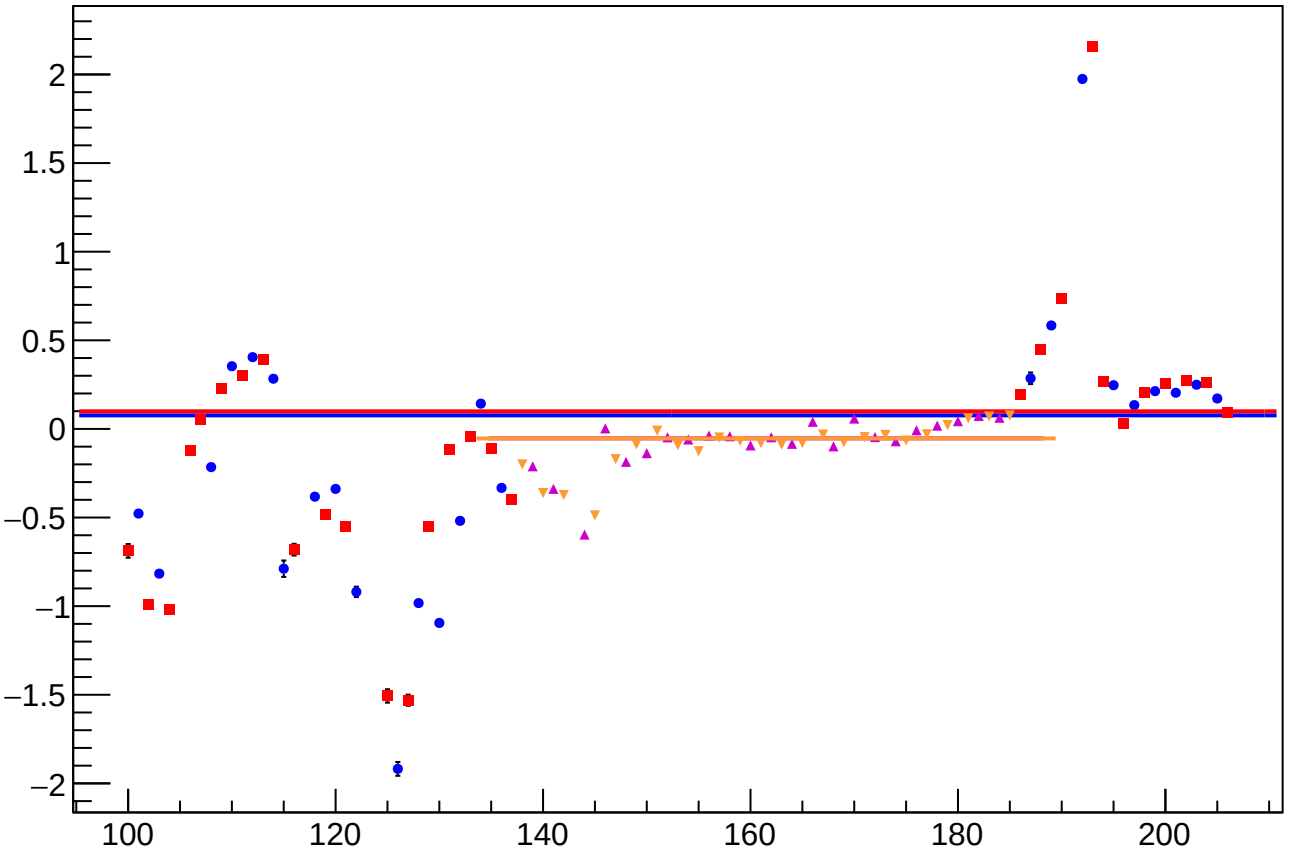
Right Out: -0.624+/-0.052 χ^2/NDF: 5505.4/28

Left In: -1.026+/-0.035 χ^2/NDF:7047.1/22

+ sign -1.153+/-0.031 χ^2/NDF: 12269.8/48

All: -1.020+/-0.021 χ^2/NDF: 24899.1/100

- sign -0.902+/-0.029 χ^2/NDF: 12593.9/51



Right In: 0.077+/-0.003 χ^2/NDF: 34309.2/24

Left Out: -0.054+/-0.002 χ^2/NDF:4340.0/23

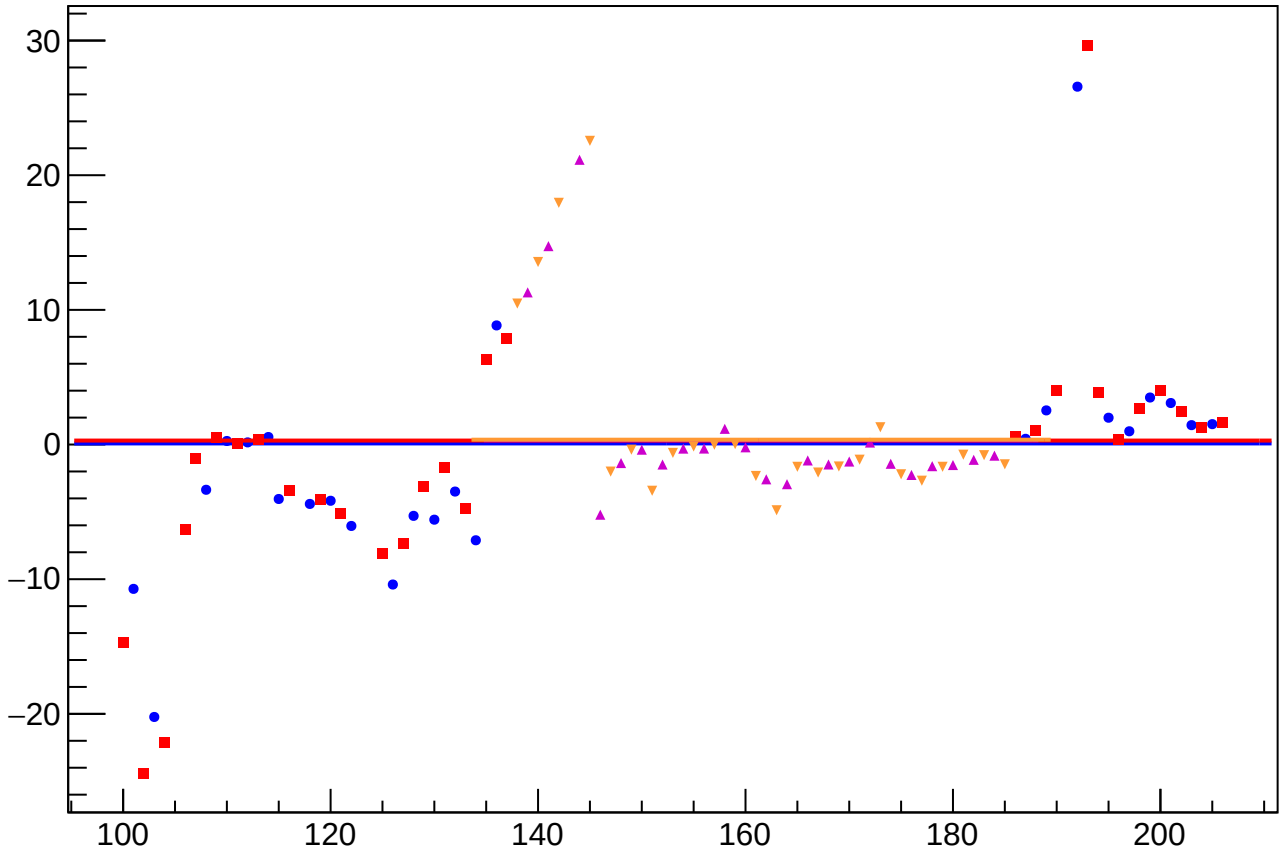
Right Out: 0.099+/-0.002 χ^2/NDF: 34003.3/28

Left In: -0.053+/-0.001 χ^2/NDF:5009.7/22

+ sign -0.016+/-0.001 χ^2/NDF: 40558.1/48

All: -0.013+/-0.001 χ^2/NDF: 82566.5/100

- sign -0.010+/-0.001 χ^2/NDF: 41995.3/51



Right In: 0.083+/-0.014 χ^2/NDF: 117248.8/24

Left Out: 0.359+/-0.014 χ^2/NDF:128829.7/23

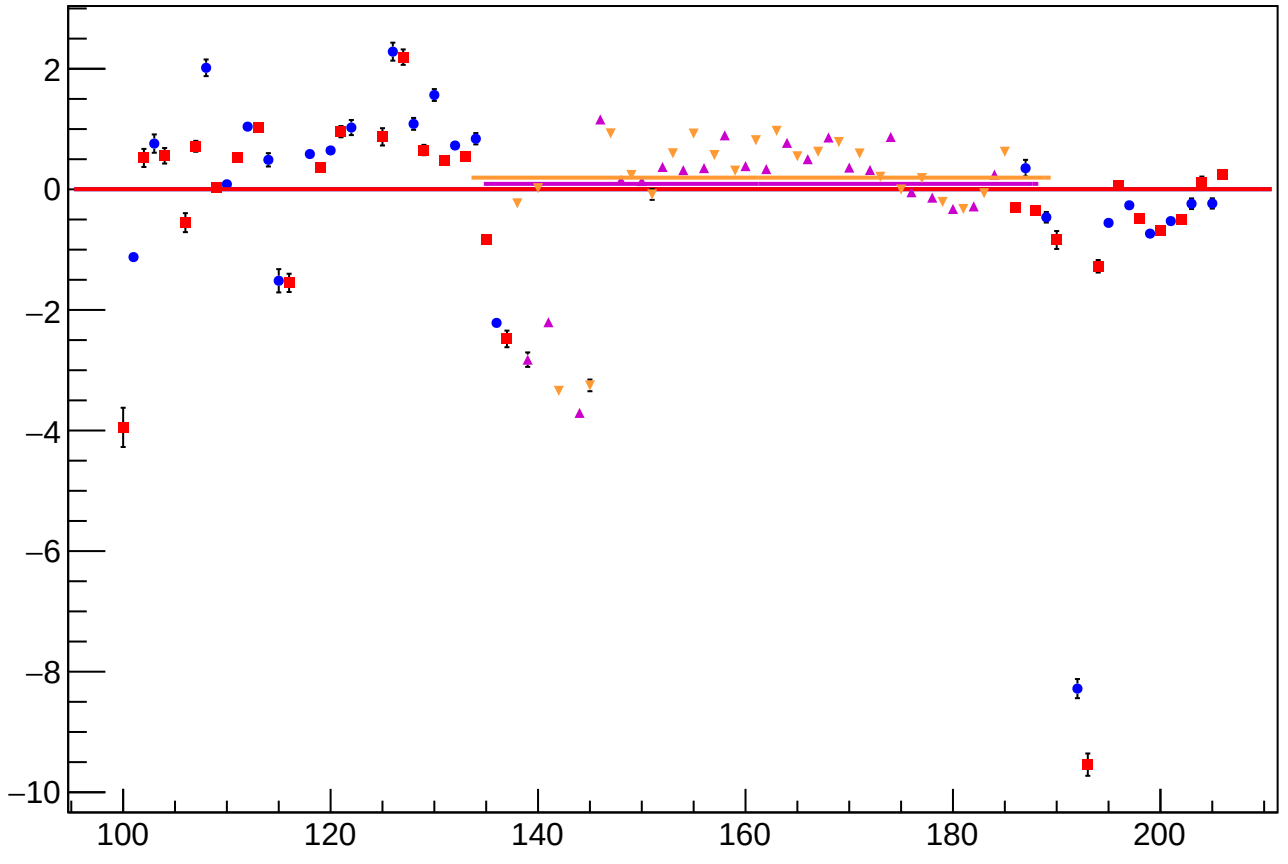
Right Out: 0.295+/-0.012 χ^2/NDF: 116673.3/28

Left In: 0.317+/-0.014 χ^2/NDF:130224.2/22

\+ sign 0.226+/-0.010 χ^2/NDF: 246268.9/48

All: 0.269+/-0.007 χ^2/NDF: 493201.7/100

\- sign 0.305+/-0.009 χ^2/NDF: 246898.9/51



Right In: 0.002+/-0.016 χ^2/NDF: 5835.8/24

Left Out: 0.194+/-0.011 χ^2/NDF:4645.0/23

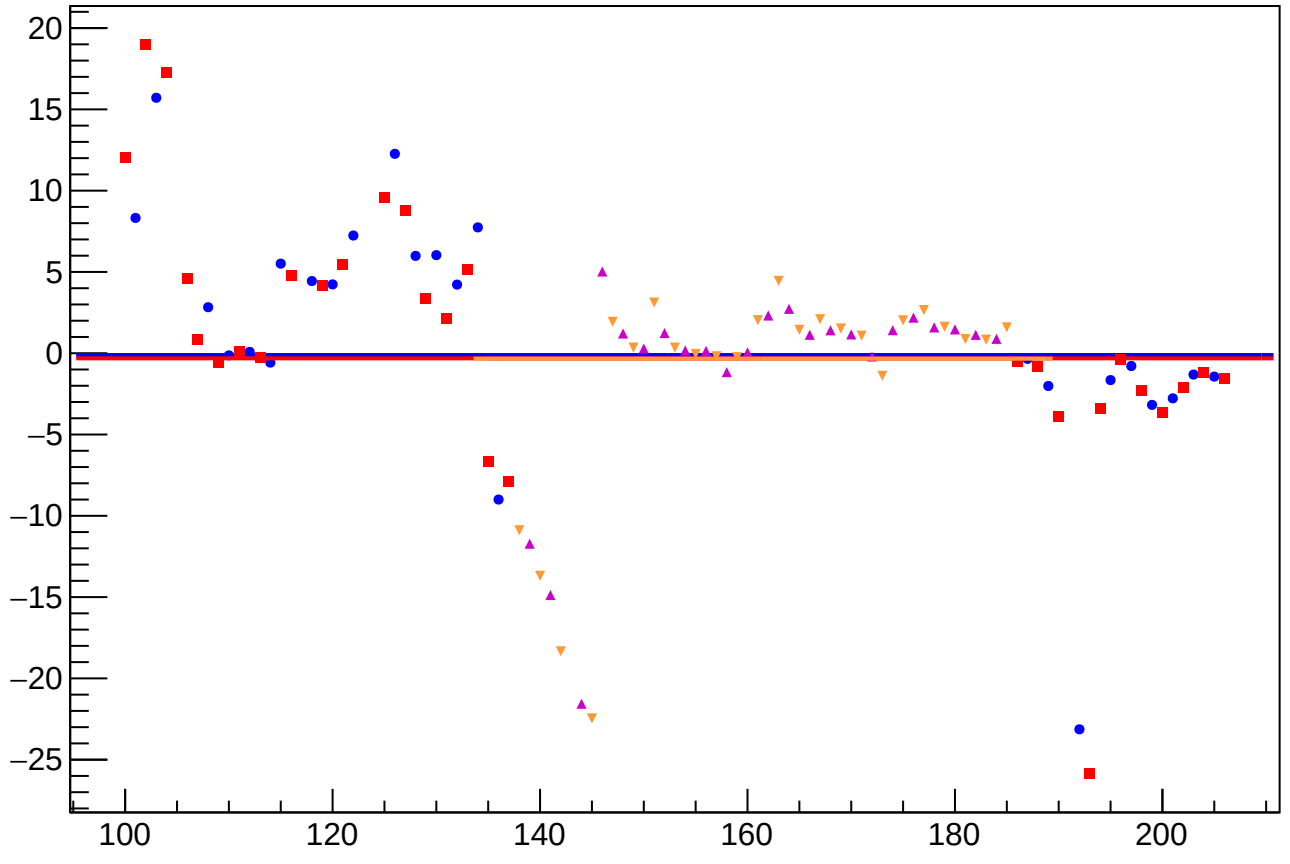
Right Out: 0.003+/-0.015 χ^2/NDF: 4896.6/28

Left In: 0.091+/-0.011 χ^2/NDF:6936.4/22

+ sign 0.133+/-0.009 χ^2/NDF: 10573.6/48

All: 0.095+/-0.006 χ^2/NDF: 22458.7/100

- sign 0.062+/-0.009 χ^2/NDF: 11855.0/51



Right In: -0.111+/-0.015 χ^2/NDF: 116205.3/24

Left Out: -0.332+/-0.014 χ^2/NDF:124233.4/23

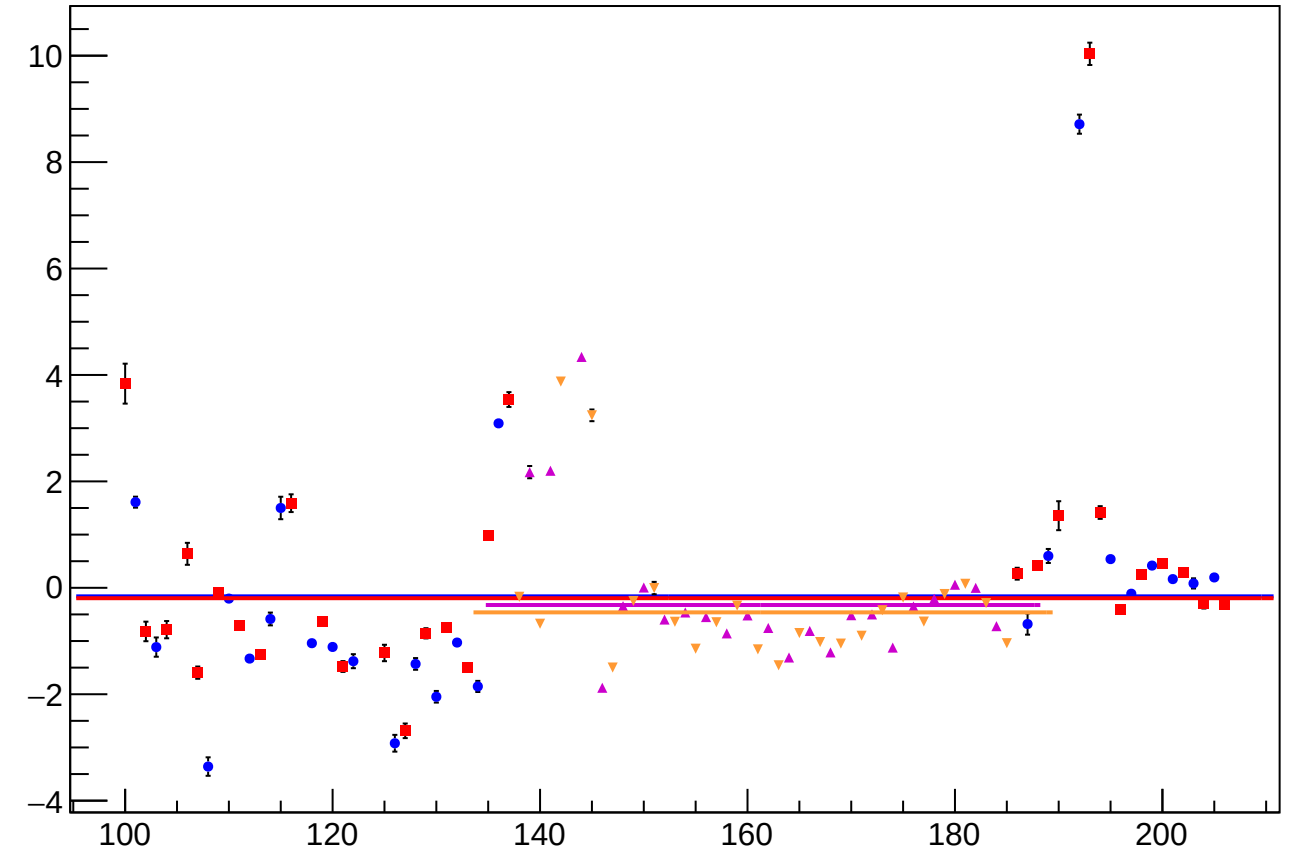
Right Out: -0.314+/-0.013 χ^2/NDF: 115130.4/28

Left In: -0.314+/-0.013 χ^2/NDF:126999.2/22

+ sign -0.230+/-0.010 χ^2/NDF: 240556.5/48

All: -0.276+/-0.007 χ^2/NDF: 482722.7/100

- sign -0.314+/-0.009 χ^2/NDF: 242129.7/51



Right In: -0.161+/-0.019 χ^2/NDF: 7293.9/24

Left Out: -0.462+/-0.013 χ^2/NDF:4580.0/23

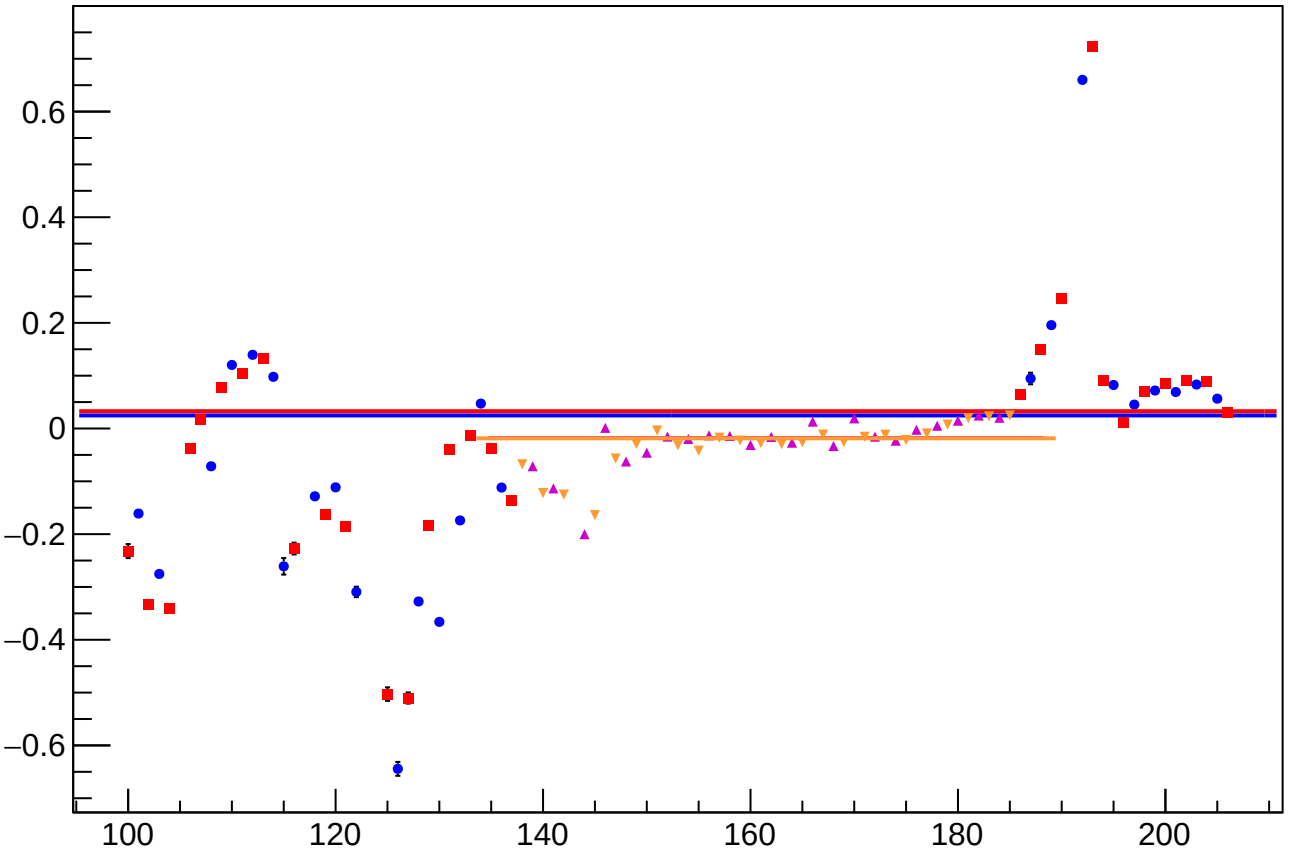
Right Out: -0.195+/-0.018 χ^2/NDF: 5409.3/28

Left In: -0.323+/-0.012 χ^2/NDF:6881.8/22

+ sign -0.372+/-0.010 χ^2/NDF: 12046.1/48

All: -0.325+/-0.007 χ^2/NDF: 24410.0/100

- sign -0.284+/-0.010 χ^2/NDF: 12326.5/51



Right In: 0.025+/-0.001 χ^2/NDF: 33720.5/24

Left Out: -0.019+/-0.001 χ^2/NDF:4227.5/23

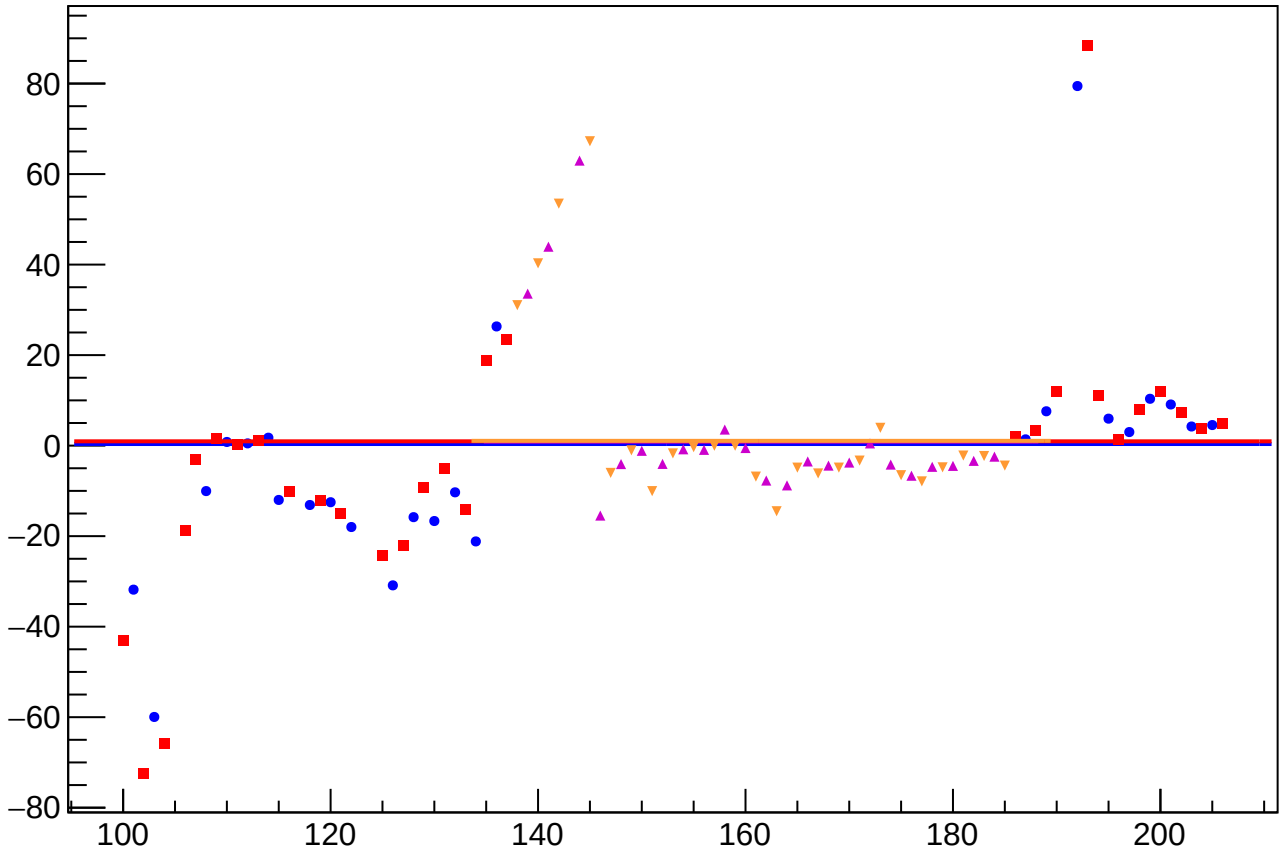
Right Out: 0.033+/-0.001 χ^2/NDF: 33384.8/28

Left In: -0.018+/-0.001 χ^2/NDF:4879.3/22

+ sign -0.006+/-0.000 χ^2/NDF: 39735.8/48

All: -0.005+/-0.000 χ^2/NDF: 80816.6/100

- sign -0.004+/-0.000 χ^2/NDF: 41063.1/51



Right In: 0.356+/-0.042 χ^2/NDF: 119338.3/24

Left Out: 1.058+/-0.041 χ^2/NDF:131010.5/23

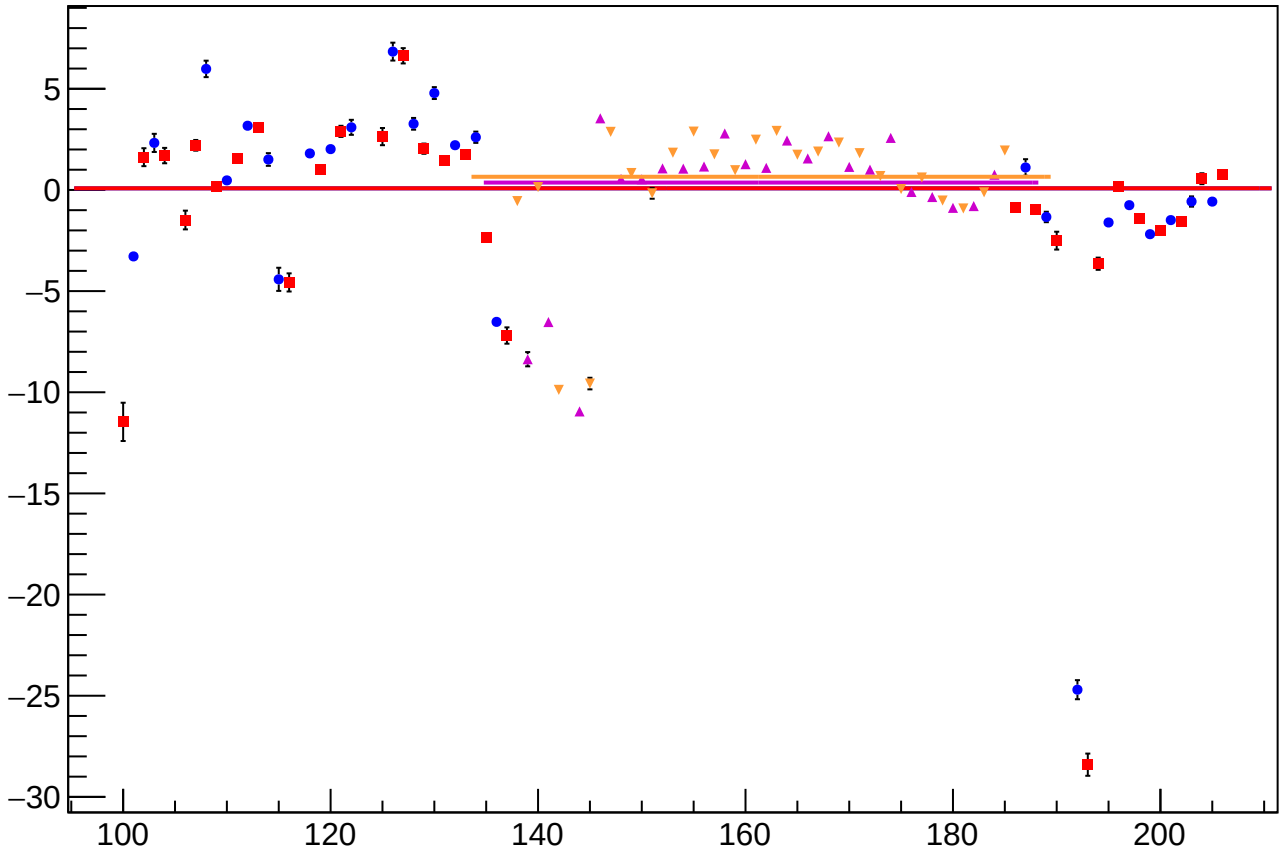
Right Out: 0.955+/-0.036 χ^2/NDF: 118525.6/28

Left In: 0.915+/-0.040 χ^2/NDF:132816.1/22

+ sign 0.719+/-0.029 χ^2/NDF: 250493.4/48

All: 0.838+/-0.020 χ^2/NDF: 501866.3/100

- sign 0.937+/-0.027 χ^2/NDF: 251342.3/51



Right In: 0.078+/-0.048 χ^2/NDF: 5967.3/24

Left Out: 0.651+/-0.033 χ^2/NDF:4708.8/23

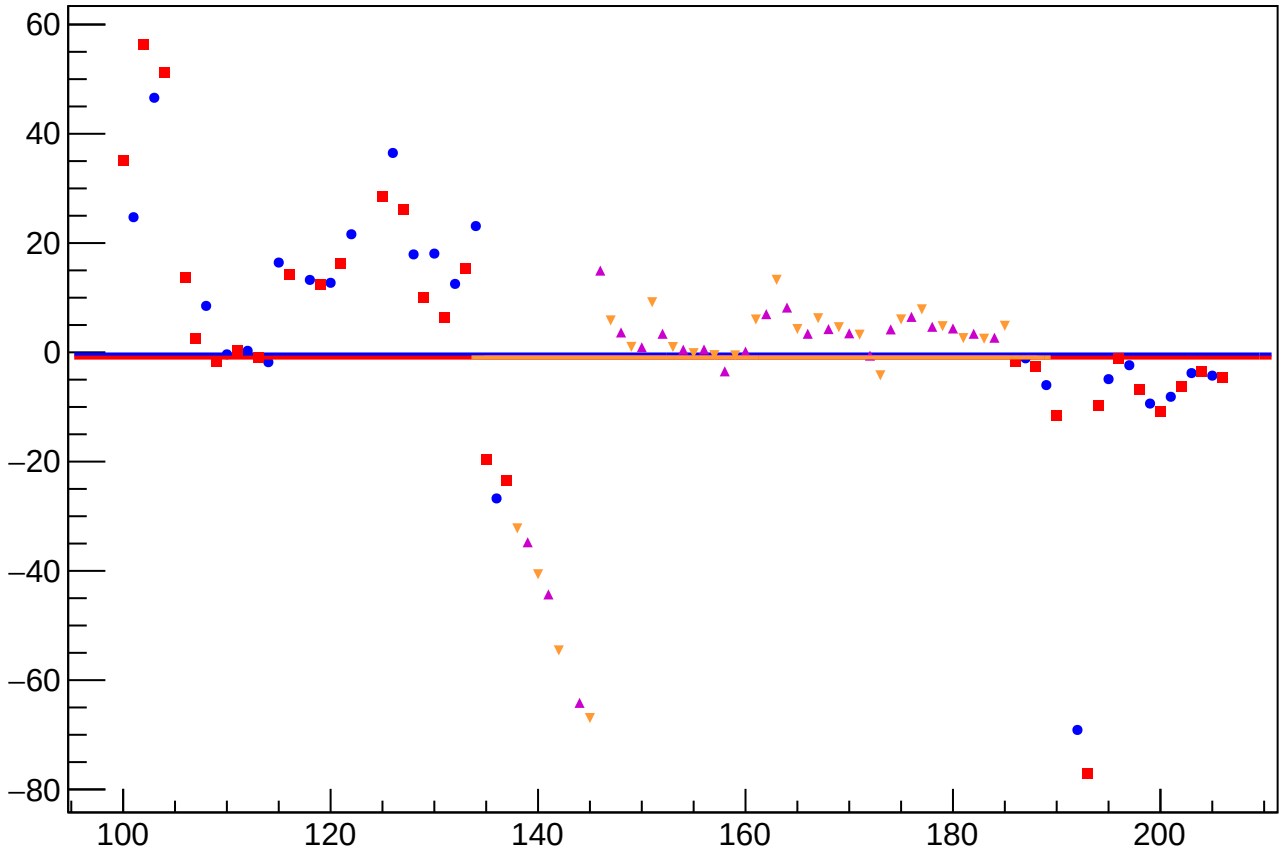
Right Out: 0.082+/-0.045 χ^2/NDF: 4993.2/28

Left In: 0.364+/-0.031 χ^2/NDF:7122.4/22

+ sign 0.467+/-0.027 χ^2/NDF: 10772.4/48

All: 0.363+/-0.019 χ^2/NDF: 22942.1/100

- sign 0.271+/-0.026 χ^2/NDF: 12142.4/51



Right In: -0.393+/-0.044 χ^2/NDF: 118254.2/24

Left Out: -0.927+/-0.041 χ^2/NDF:126360.1/23

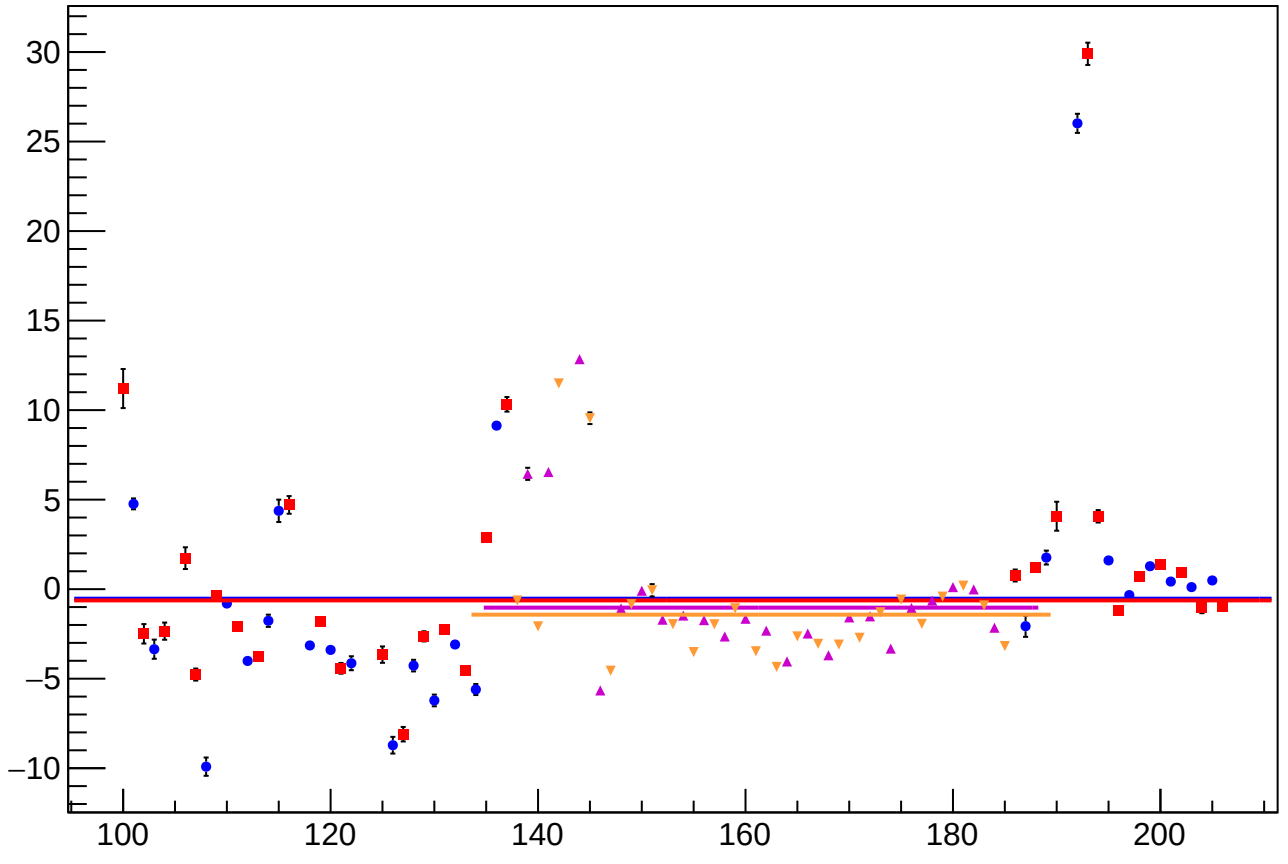
Right Out: -0.966+/-0.038 χ^2/NDF: 116925.2/28

Left In: -0.858+/-0.039 χ^2/NDF:129490.8/22

+ sign -0.680+/-0.030 χ^2/NDF: 244694.7/48

All: -0.807+/-0.020 χ^2/NDF: 491148.4/100

- sign -0.914+/-0.027 χ^2/NDF: 246420.0/51



Right In: -0.532+/-0.056 χ^2/NDF: 7452.5/24

Left Out: -1.425+/-0.037 χ^2/NDF:4639.6/23

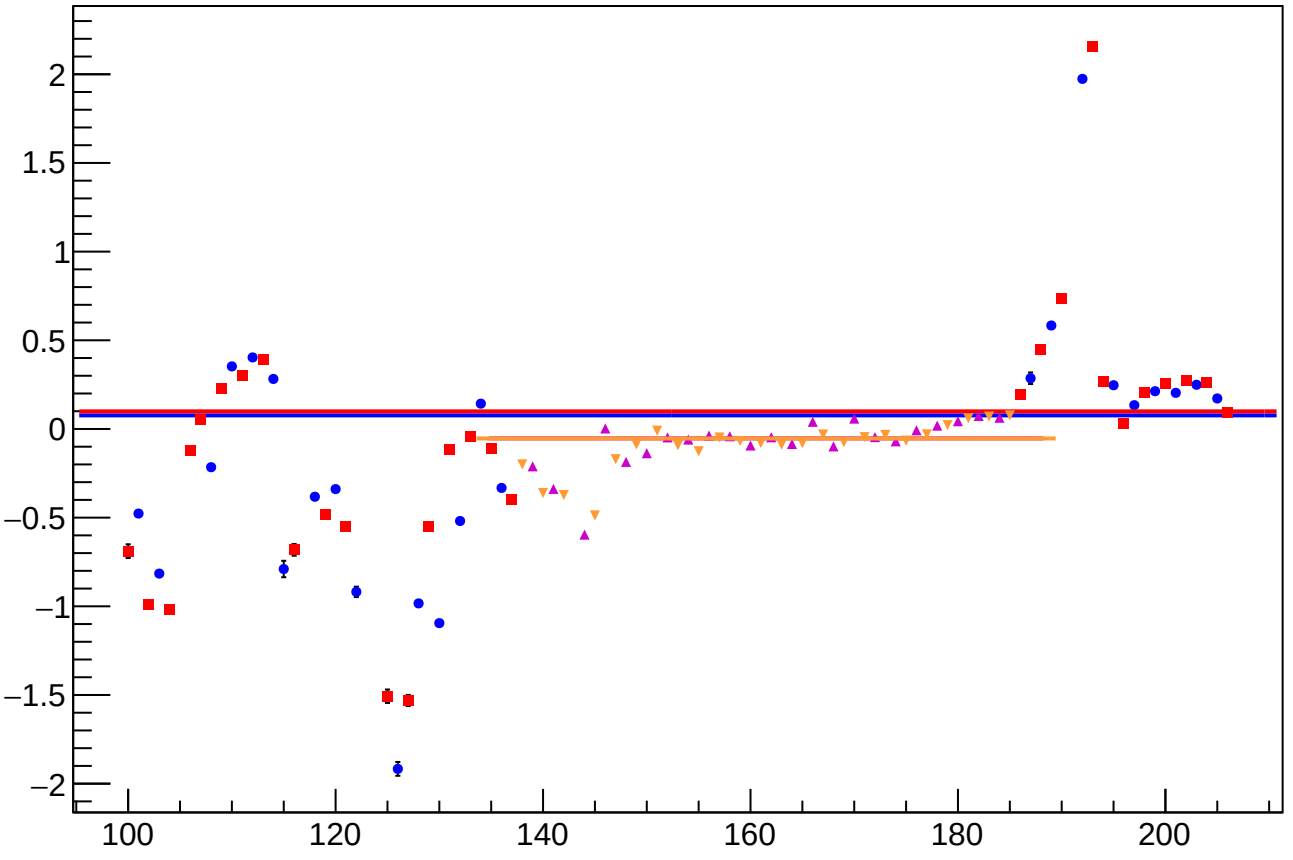
Right Out: -0.628+/-0.052 χ^2/NDF: 5505.5/28

Left In: -1.032+/-0.035 χ^2/NDF:7051.3/22

+ sign -1.157+/-0.031 χ^2/NDF: 12270.1/48

All: -1.025+/-0.021 χ^2/NDF: 24904.3/100

- sign -0.907+/-0.029 χ^2/NDF: 12598.7/51



Right In: 0.077+/-0.003 χ^2/NDF: 34318.2/24

Left Out: -0.054+/-0.002 χ^2/NDF:4341.2/23

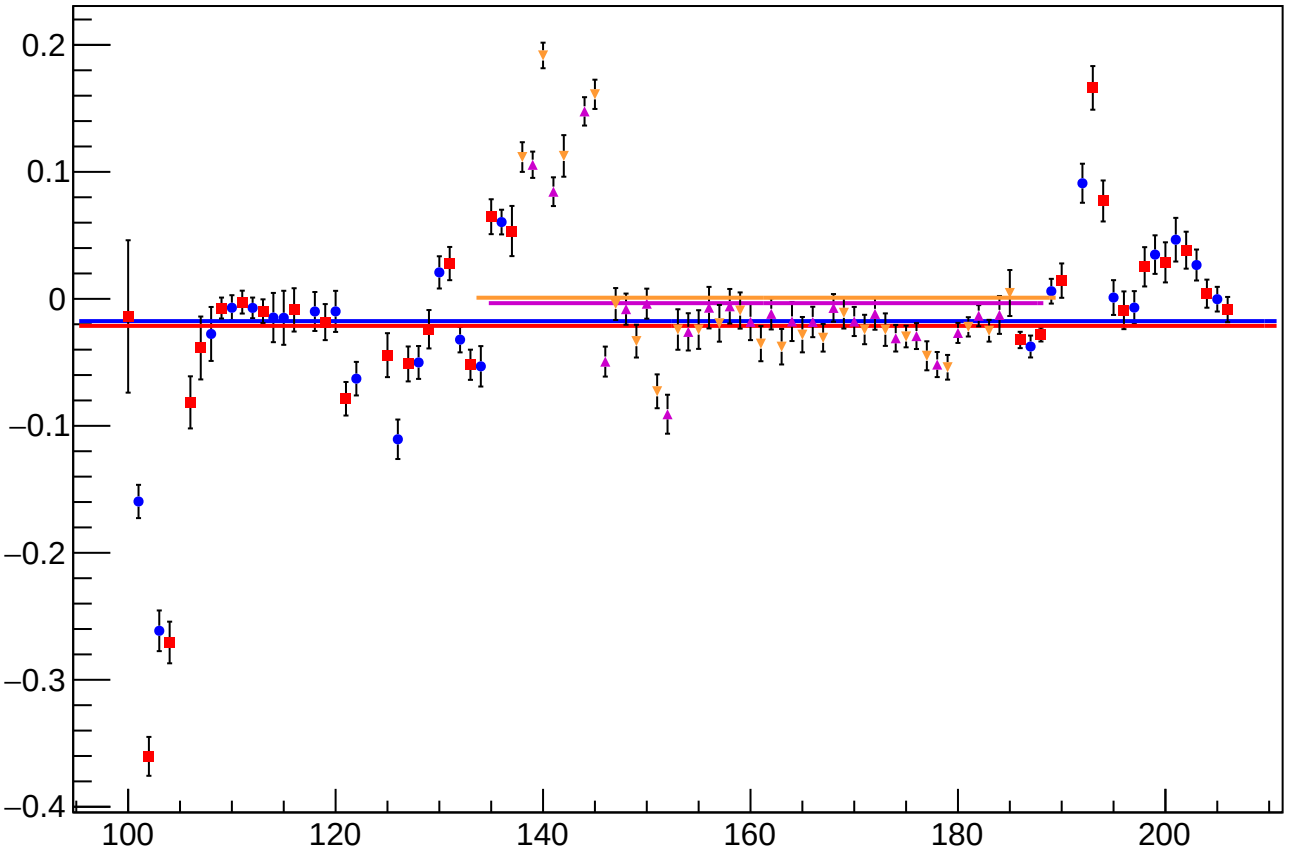
Right Out: 0.099+/-0.002 χ^2/NDF: 34017.1/28

Left In: -0.053+/-0.001 χ^2/NDF:5013.3/22

+ sign -0.016+/-0.001 χ^2/NDF: 40569.5/48

All: -0.013+/-0.001 χ^2/NDF: 82600.4/100

- sign -0.010+/-0.001 χ^2/NDF: 42018.2/51



Right In: -0.018+/-0.002 χ^2/NDF: 593.1/24

Left Out: 0.001+/-0.002 χ^2/NDF:849.7/23

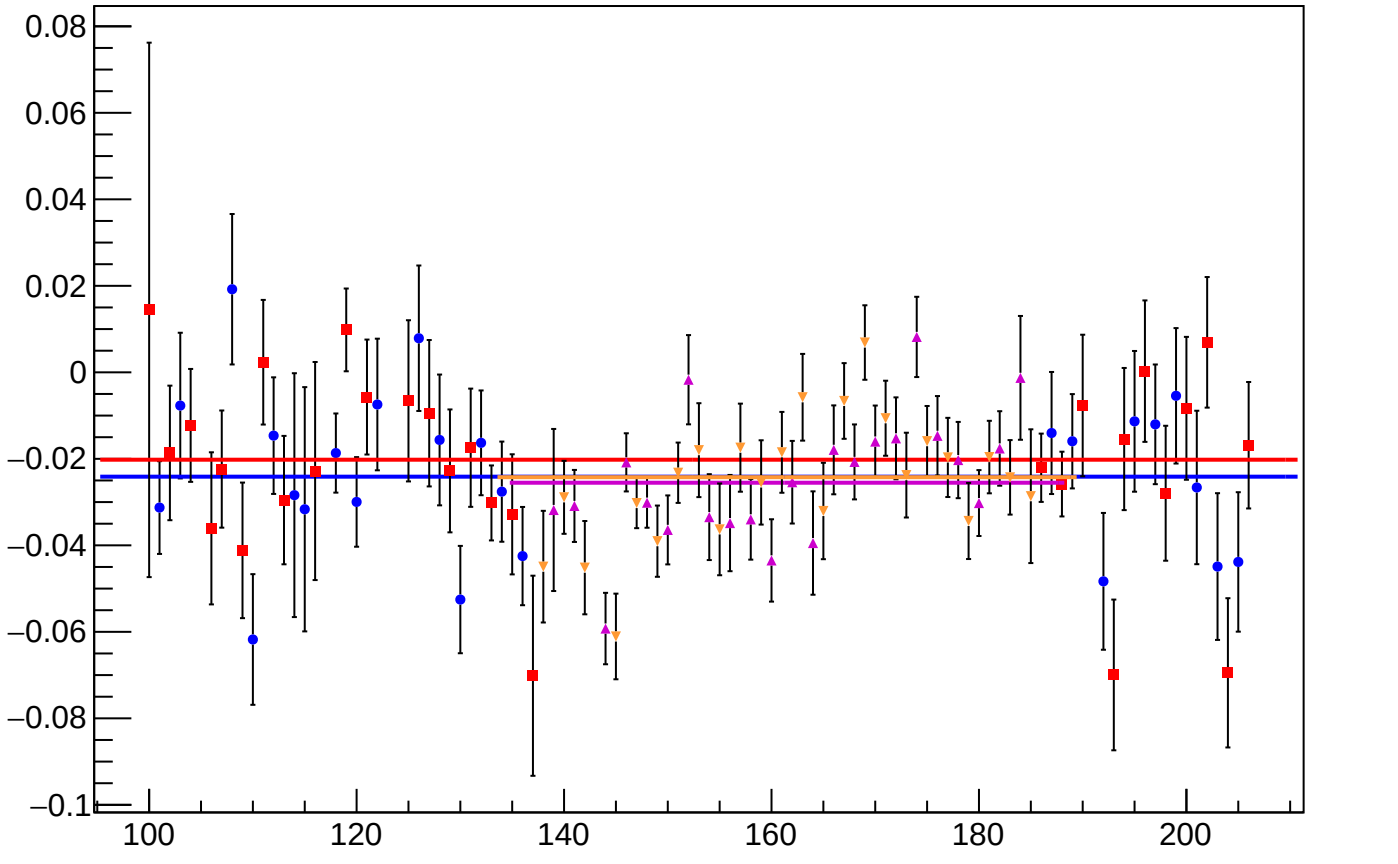
Right Out: -0.021+/-0.002 χ^2/NDF: 1050.6/28

Left In: -0.003+/-0.002 χ^2/NDF:457.9/22

+ sign -0.008+/-0.002 χ^2/NDF: 1471.3/48

All: -0.011+/-0.001 χ^2/NDF: 3014.6/100

- sign -0.013+/-0.002 χ^2/NDF: 1538.5/51



Right In: -0.024+/-0.003 χ^2/NDF: 37.8/24

Left Out: -0.024+/-0.002 χ^2/NDF:53.7/23

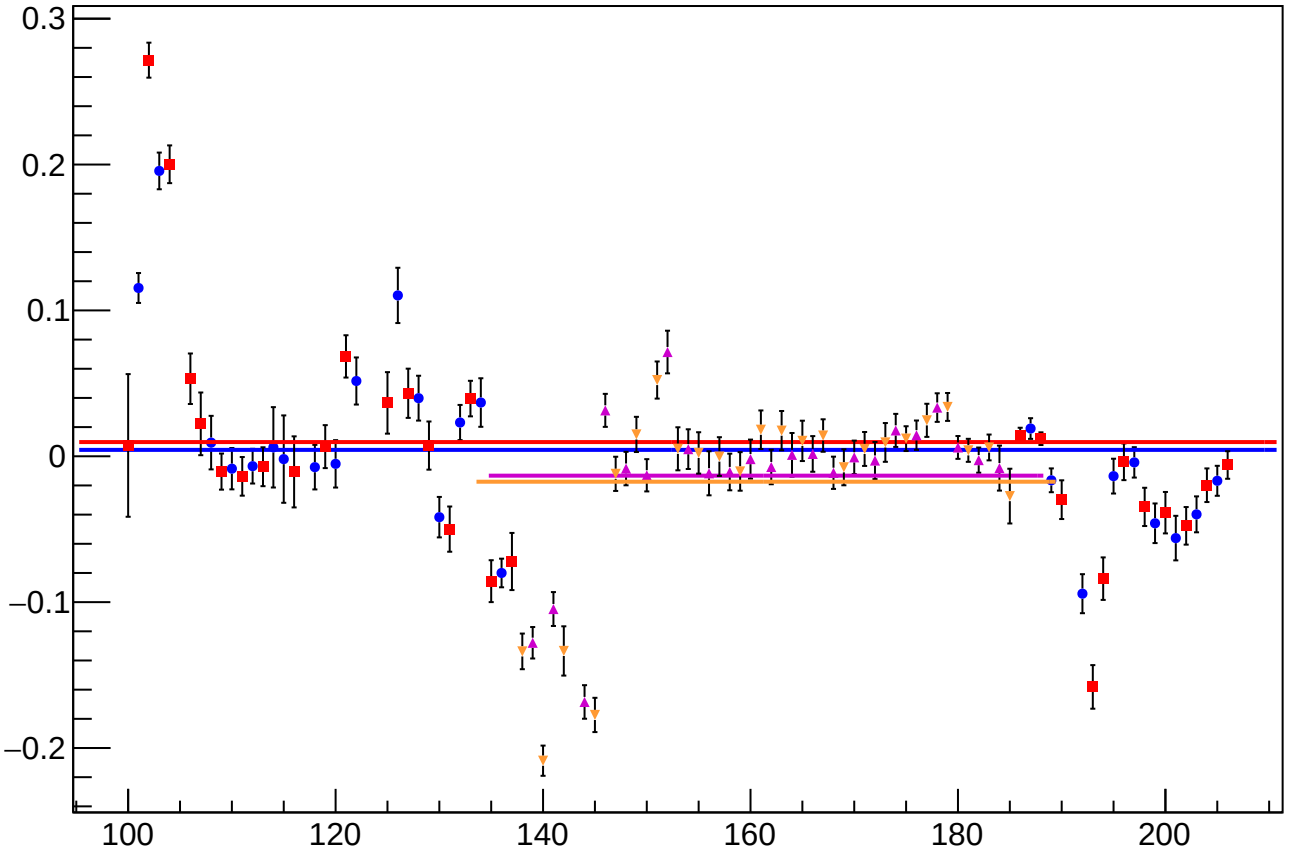
Right Out: -0.020+/-0.003 χ^2/NDF: 48.3/28

Left In: -0.026+/-0.002 χ^2/NDF:55.0/22

+ sign -0.024+/-0.002 χ^2/NDF: 91.6/48

All: -0.024+/-0.001 χ^2/NDF: 197.8/100

- sign -0.024+/-0.002 χ^2/NDF: 106.1/51



Right In: 0.004+/-0.002 χ^2/NDF: 602.1/24

Left Out: -0.017+/-0.002 χ^2/NDF:812.1/23

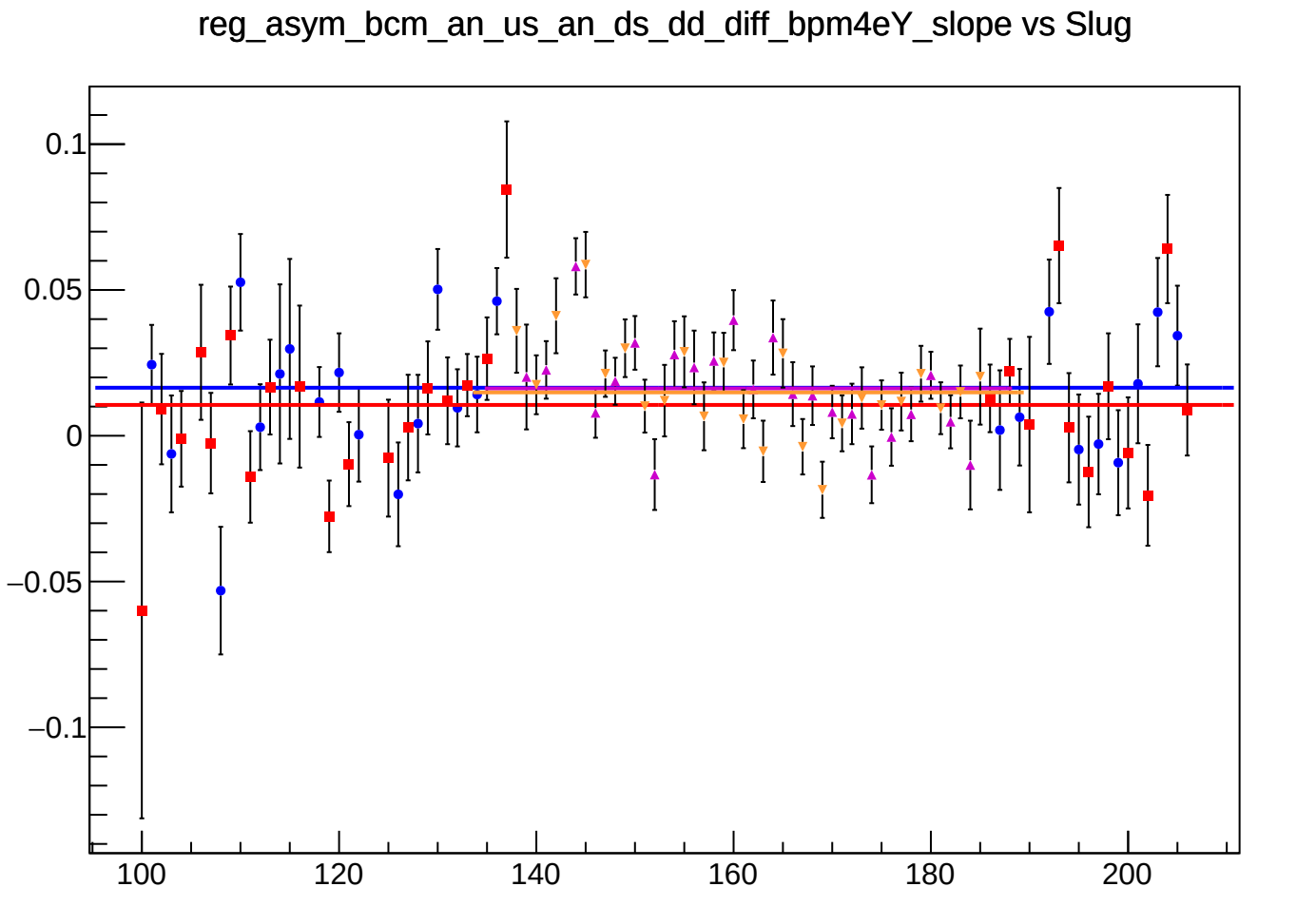
Right Out: 0.010+/-0.002 χ^2/NDF: 1043.1/28

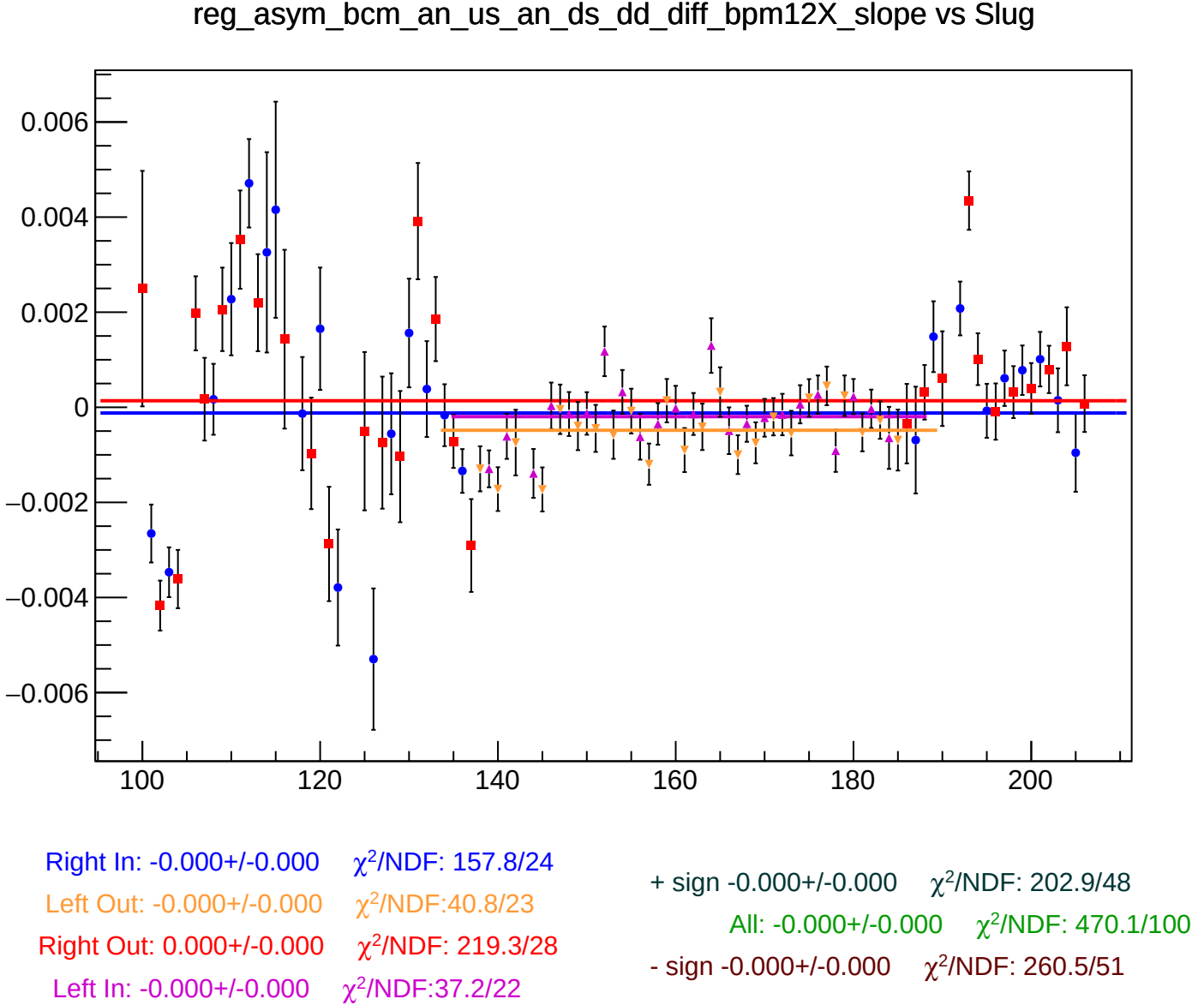
Left In: -0.013+/-0.002 χ^2/NDF:458.6/22

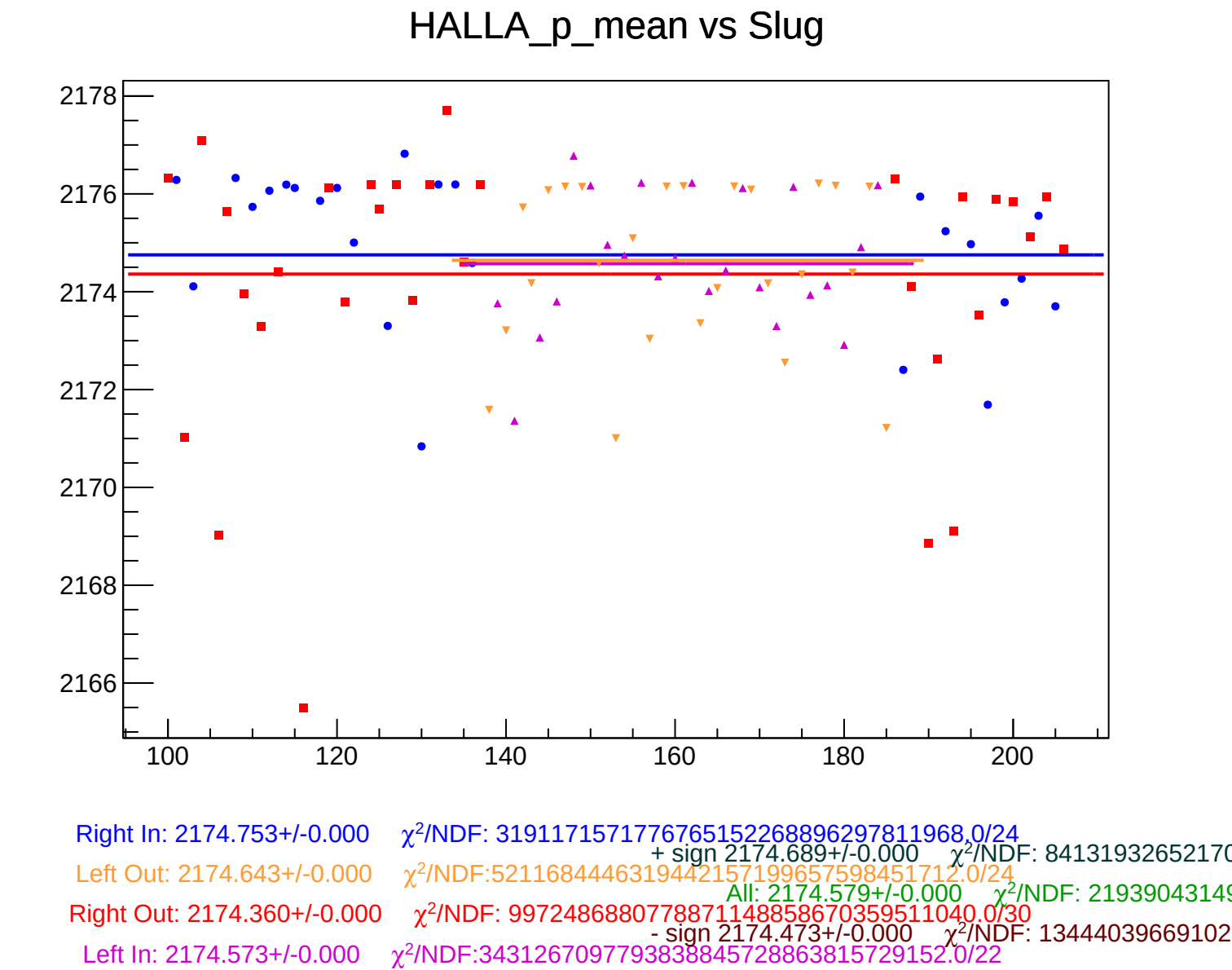
\+ sign -0.007+/-0.002 χ^2/NDF: 1454.3/48

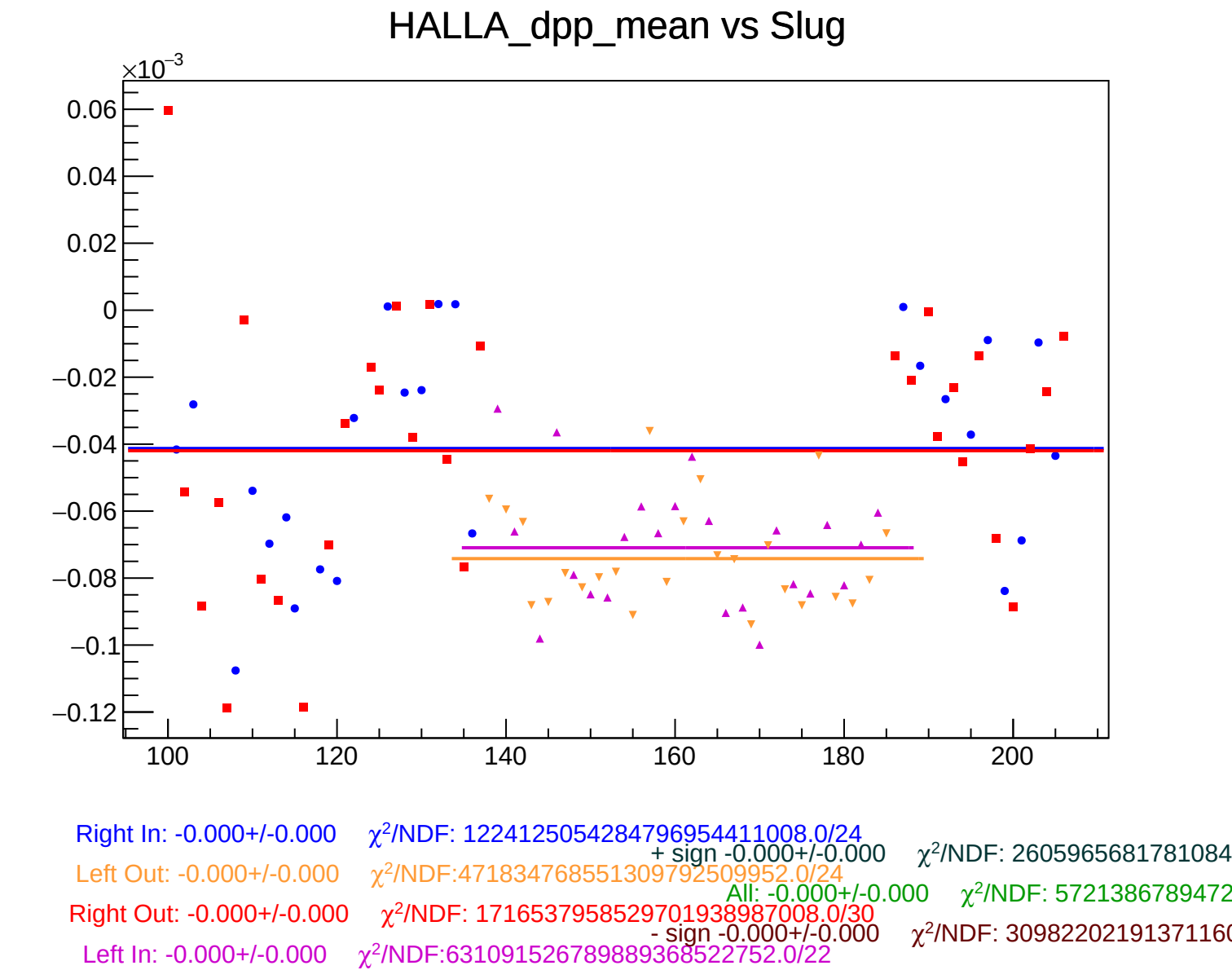
All: -0.003+/-0.001 χ^2/NDF: 3016.2/100

\- sign -0.000+/-0.002 χ^2/NDF: 1553.9/51

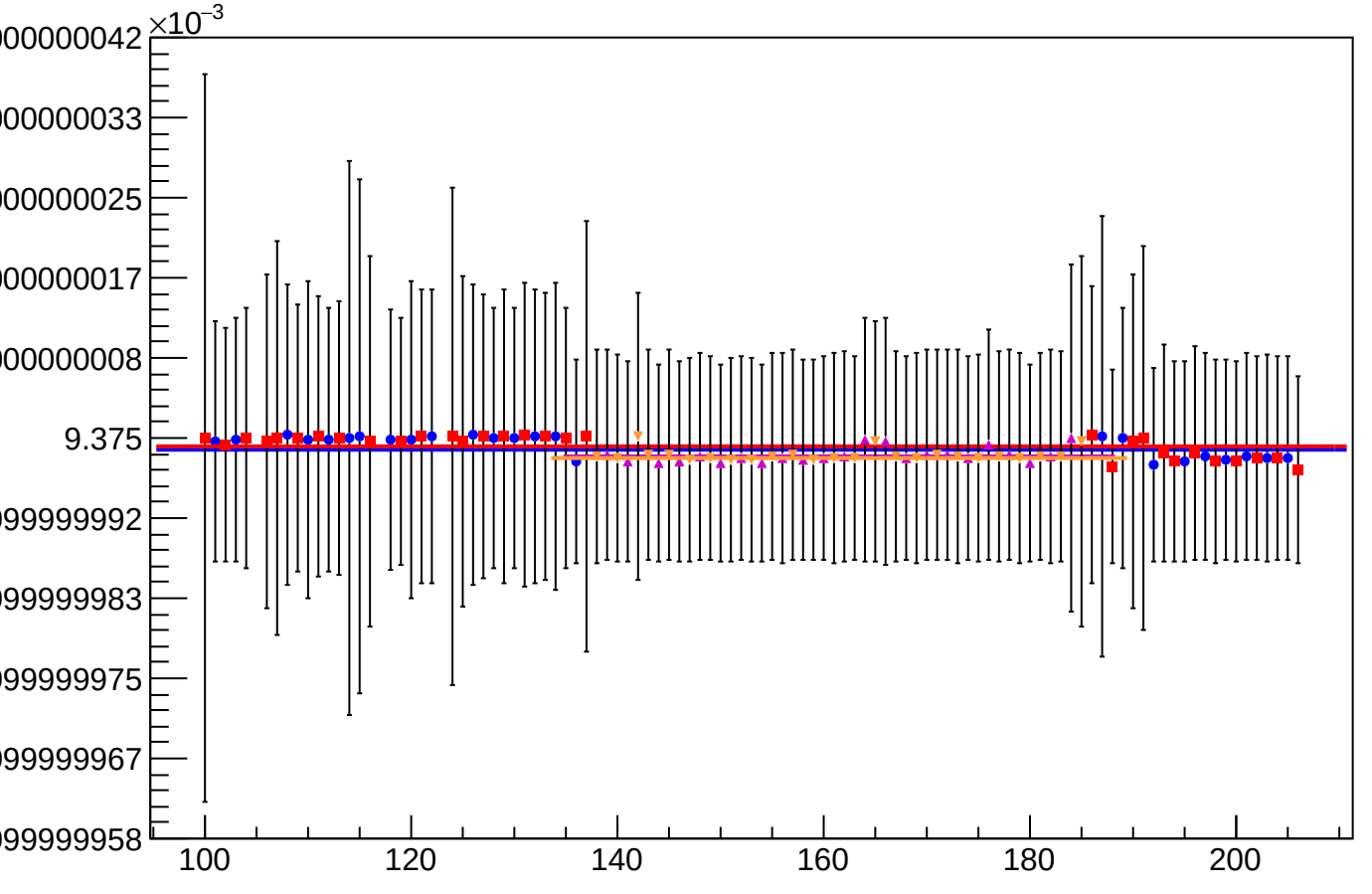

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs Slug
0.1
0.05
0
−0.05
−0.1
100
120
140
160
180
200
Right In: 0.016+/-0.003 χ²/NDF: 47.3/24
Left Out: 0.015+/-0.002 χ²/NDF:52.1/23
Right Out: 0.011+/-0.003 χ²/NDF: 54.7/28
Left In: 0.016+/-0.002 χ²/NDF:58.0/22
+ sign 0.015+/-0.002 χ²/NDF: 99.5/48
All: 0.015+/-0.001 χ²/NDF: 214.6/100
- sign 0.014+/-0.002 χ²/NDF: 115.0/51


reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs Slug
0.006
0.004
0.002
0
−0.002
−0.004
−0.006
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 157.8/24
Left Out: -0.000+/-0.000 χ²/NDF:40.8/23
Right Out: 0.000+/-0.000 χ²/NDF: 219.3/28
Left In: -0.000+/-0.000 χ²/NDF:37.2/22
+ sign -0.000+/-0.000 χ²/NDF: 202.9/48
All: -0.000+/-0.000 χ²/NDF: 470.1/100
- sign -0.000+/-0.000 χ²/NDF: 260.5/51


HALLA_p_mean vs Slug
2178
2176
2174
2172
2170
2168
2166
100
120
140
160
180
200
Right In: 2174.753+/-0.000 χ²/NDF: 319117157177676515226889629781196 8.0/24
+ sign 2174.689+/-0.000 χ²/NDF: 8413193265217
Left Out: 2174.643+/-0.000 χ²/NDF:52116844463194421571996575984517 12.0/24
All: 2174.579+/-0.000 χ²/NDF: 219390431
Right Out: 2174.360+/-0.000 χ²/NDF: 997248688077887114885867035951104 0.0/30
- sign 2174.473+/-0.000 χ²/NDF: 1344403966910
Left In: 2174.573+/-0.000 χ²/NDF:343126709779383884572886381572915 2.0/22


HALLA_dpp_mean vs Slug
×10⁻³
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
100
120
140
160
180
200
Right In: -0.000+/-0.000 χ²/NDF: 1224125054284796954411008.0/24
Left Out: -0.000+/-0.000 χ²/NDF:4718347685513097925099520/24
Right Out: -0.000+/-0.000 χ²/NDF: 1716537958529701938987008.0/30
Left In: -0.000+/-0.000 χ²/NDF:6310915267898893685227520/22
+ sign -0.000+/-0.000 χ²/NDF: 2605965681781084
All: -0.000+/-0.000 χ²/NDF: 5721386789472
- sign -0.000+/-0.000 χ²/NDF: 30982202191371160

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/30

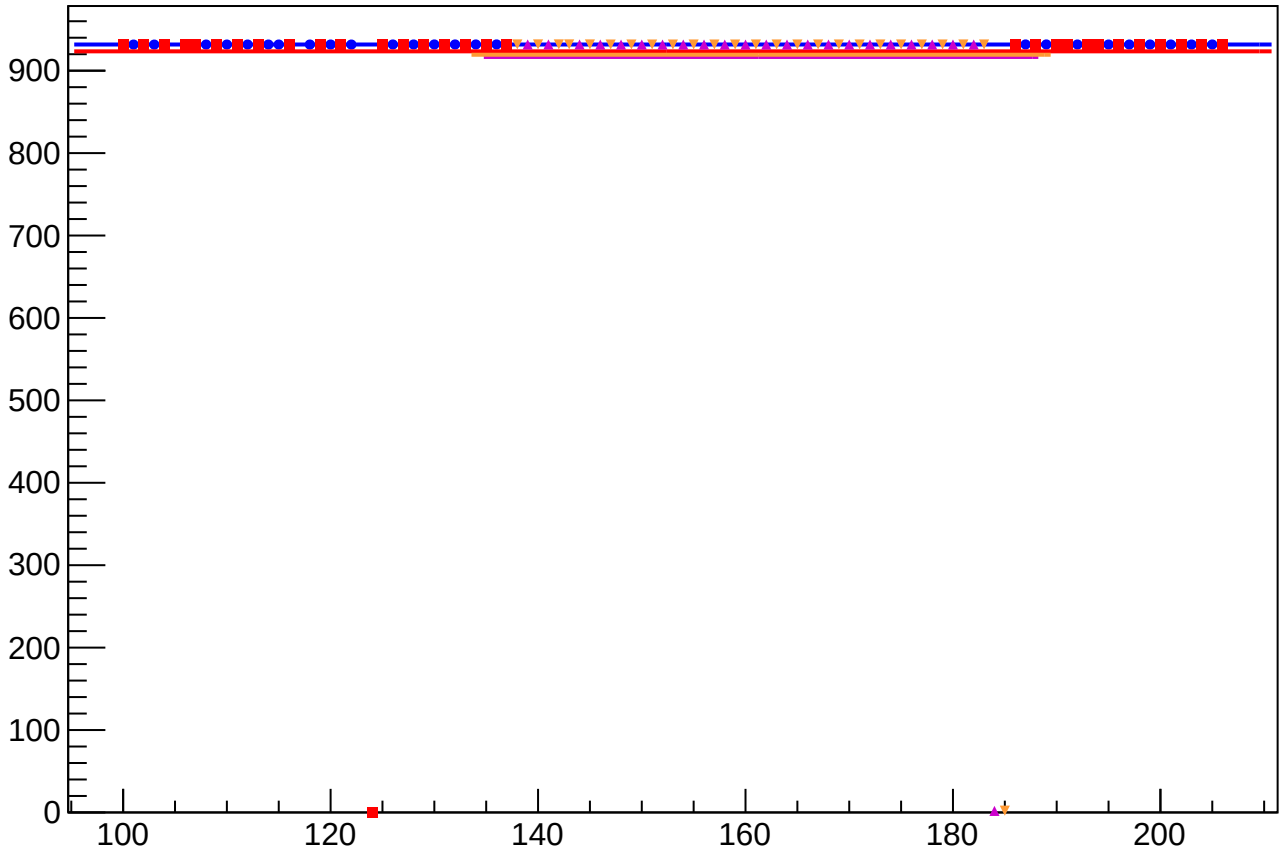
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/49

All: 0.009+/-0.000 χ^2/NDF: 1.0/103

- sign 0.009+/-0.000 χ^2/NDF: 0.4/53

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 931.777+/-0.000 χ^2/NDF: 3226937293652987618401166819328.0/24

Left Out: 919.347+/-0.000 χ^2/NDF:230211234962152806190415261330812 43648.0/24

Right Out: 923.472+/-0.000 χ^2/NDF: 1290623767679280294004340700945 8946048.0/30

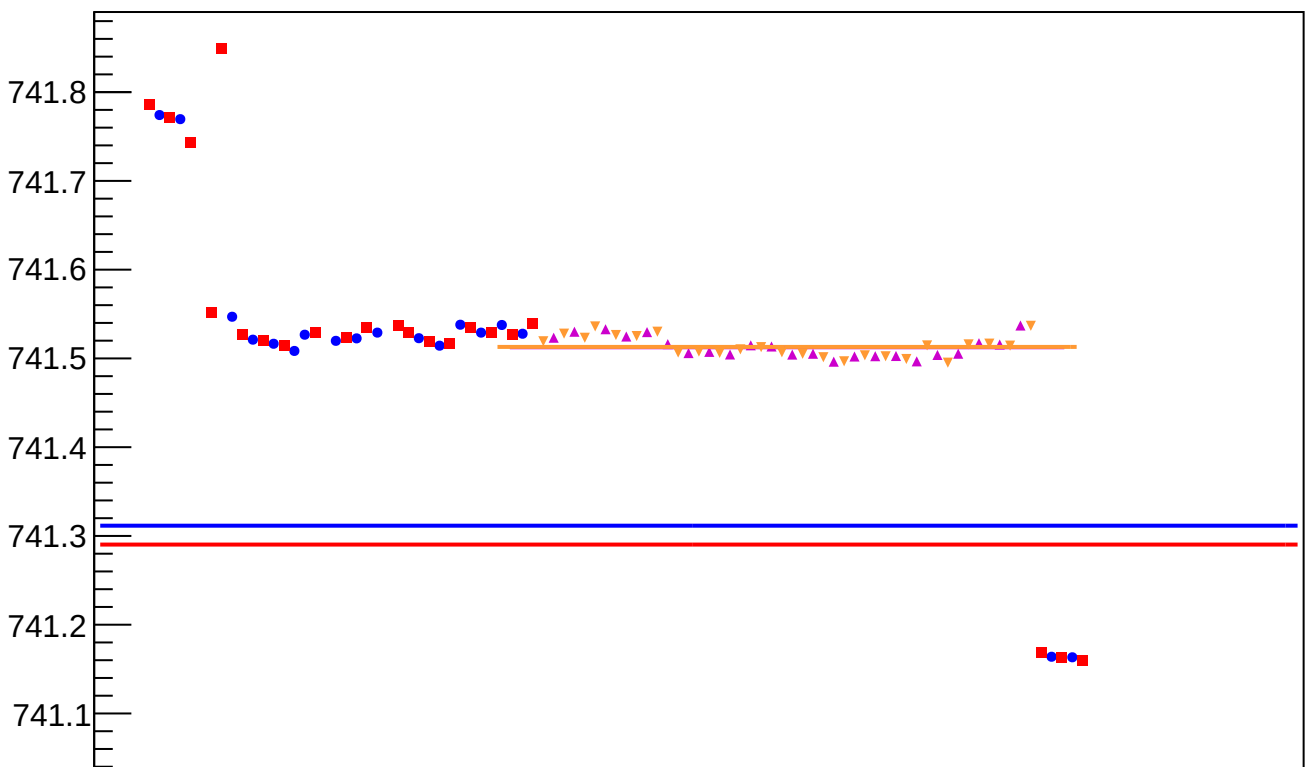
Left In: 916.654+/-0.000 χ^2/NDF:2636974493118354807378566484218557 2352.0/22

+ sign 924.530+/-0.000 χ^2/NDF: 231511118452461

All: 922.148+/-0.000 χ^2/NDF: 625072011989

- sign 919.850+/-0.000 χ^2/NDF: 393175178666391

HacL_D1_HP3458A_IOUT_mean vs Slug



Right In: 741.312+/-0.000 χ^2/NDF: 10851729463118603412446957168230 4.0/24

Left Out: 741.513+/-0.000 χ^2/NDF:25197631076812629623188960051 2.0/24

Right Out: 741.290+/-0.000 χ^2/NDF: 12497499582457378759139446384230 4.0/30

Left In: 741.513+/-0.000 χ^2/NDF:23470398303008542318589588275 2.0/22

+ sign 741.429+/-0.000 χ^2/NDF: 142900632867378

All: 741.418+/-0.000 χ^2/NDF: 3130119677995

- sign 741.408+/-0.000 χ^2/NDF: 169362008119464

HacL_Q3_HP3458A_IOUT_mean vs Slug

Right In: 980.808+/-0.000 χ^2/NDF: 1773733096782430325531243184128.0/24

+ sign 973.152+/-0.000 χ^2/NDF: 256502457404941

Left Out: 967.677+/-0.000 χ^2/NDF:2550515560327992564154129577963369267 2.0/24

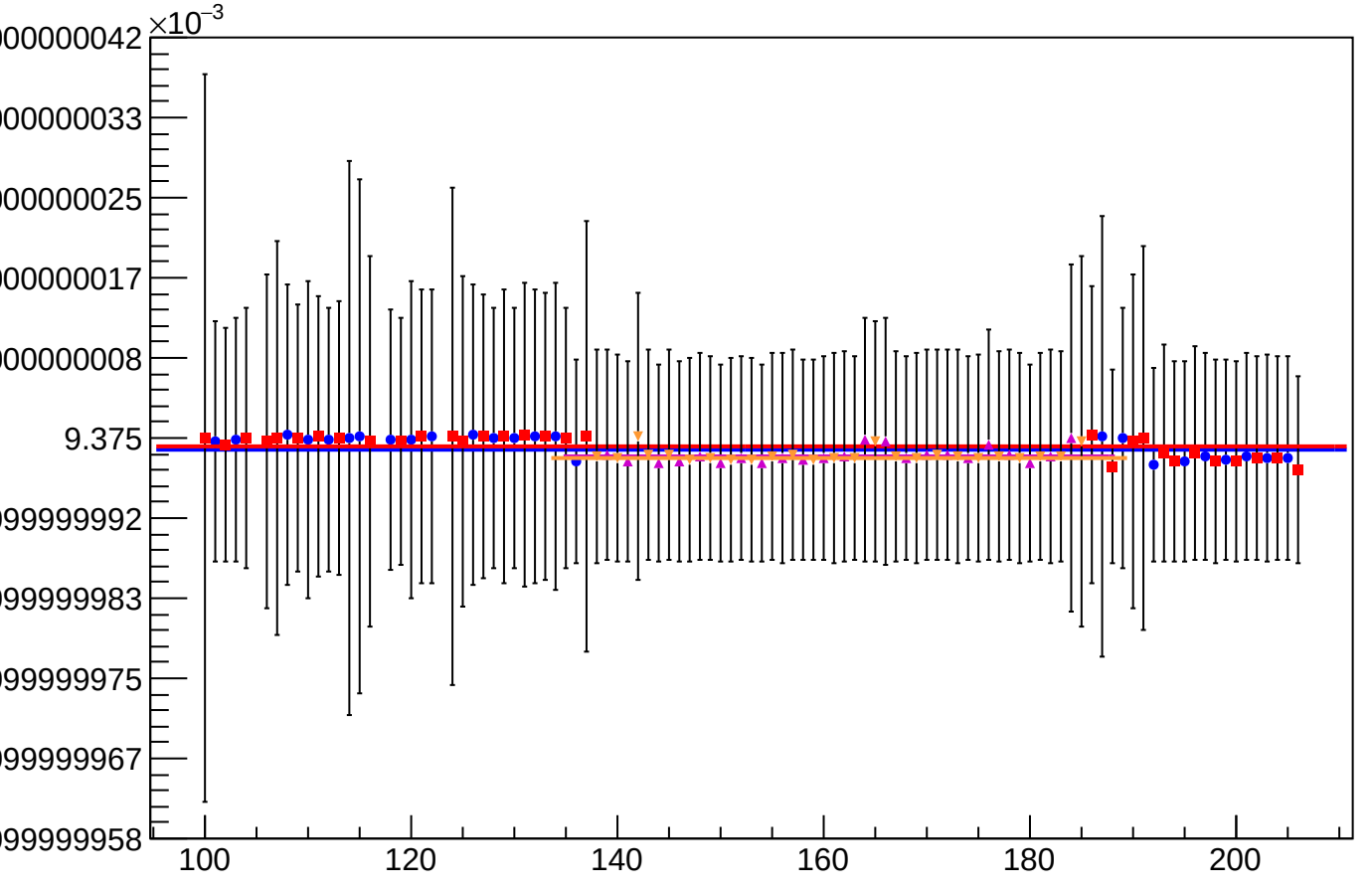
All: 972.728+/-0.000 χ^2/NDF: 55093941901

Right Out: 980.778+/-0.000 χ^2/NDF: 6340491652581270169990077612032 0.0/30

- sign 972.319+/-0.000 χ^2/NDF: 294424747428424

Left In: 964.854+/-0.000 χ^2/NDF:2921583896010307878411284562824501 6576.0/22

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/30

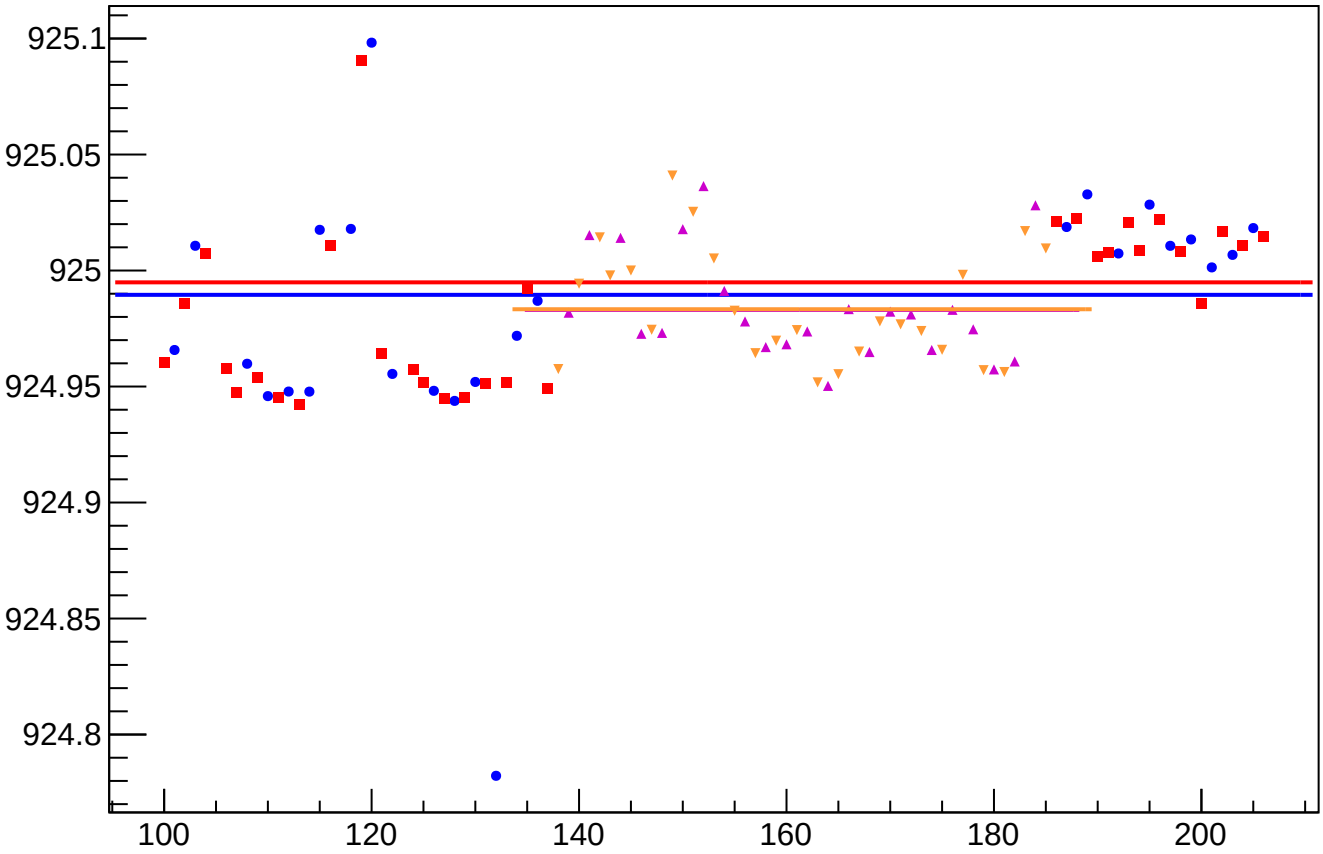
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/49

All: 0.009+/-0.000 χ^2/NDF: 1.0/103

- sign 0.009+/-0.000 χ^2/NDF: 0.4/53

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 924.990+/-0.000 χ^2/NDF: 34355084651253075961665174896640.0/24

Left Out: 924.983+/-0.000 χ^2/NDF:1161112698344246137667167715328.0/24

Right Out: 924.995+/-0.000 χ^2/NDF: 19480376443588010571087300526080.0/30

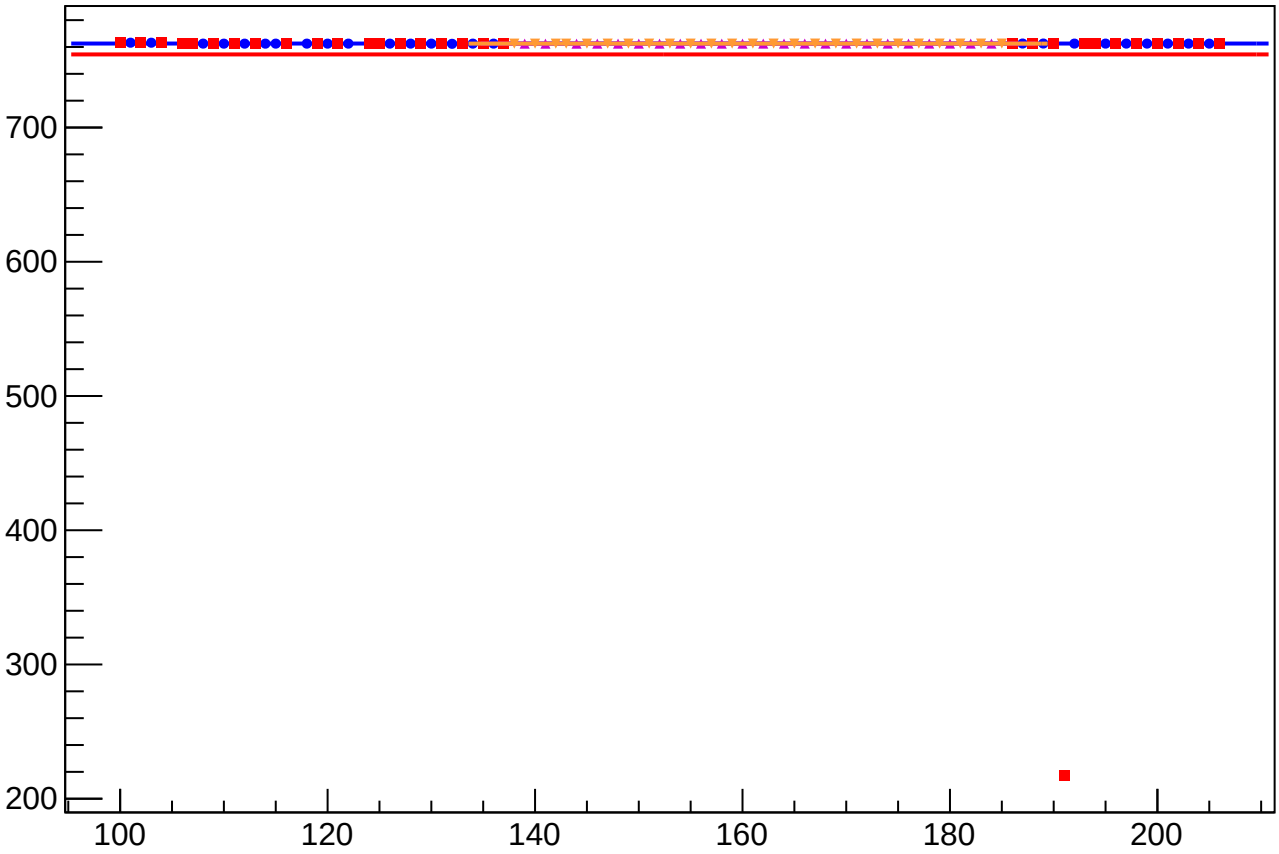
Left In: 924.983+/-0.000 χ^2/NDF:92827030718158770136834847539 2.0/22

+ sign 924.986+/-0.000 χ^2/NDF: 462907732014445

All: 924.987+/-0.000 χ^2/NDF: 7644505770

- sign 924.989+/-0.000 χ^2/NDF: 300270940177436

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 762.570+/-0.000 χ^2/NDF: 548854058927259281305957239357 44.0/24

+ sign 762.540+/-0.000 χ^2/NDF: 579370200065562

Left Out: 762.518+/-0.000 χ^2/NDF:767703709161817083348479115264.0/24

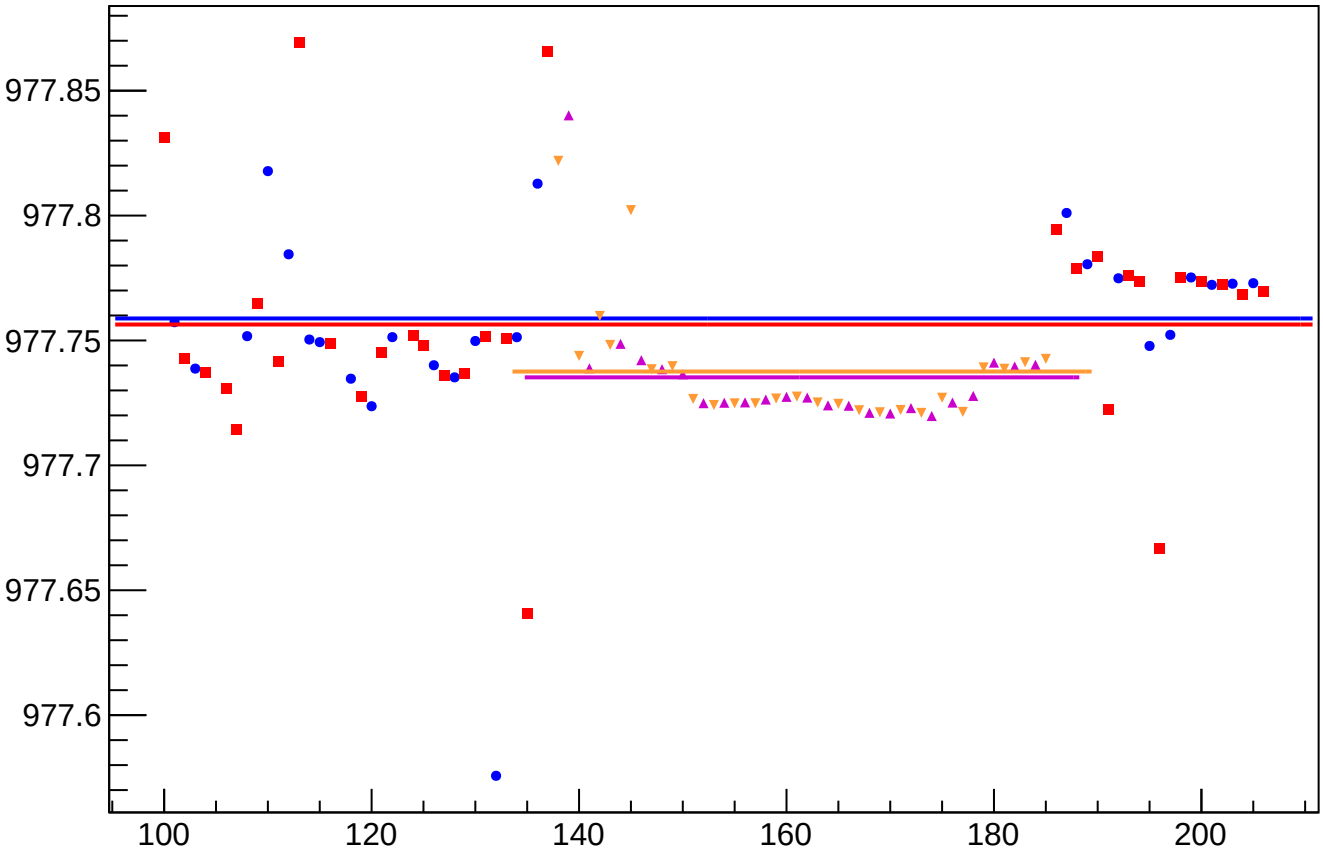
All: 760.607+/-0.000 χ^2/NDF: 74122050685

Right Out: 754.464+/-0.000 χ^2/NDF: 732877271377840939395180390960542515 2.0/30

- sign 758.743+/-0.000 χ^2/NDF: 738674485144434

Left In: 762.519+/-0.000 χ^2/NDF:67064753778125939445211961753 6.0/22

HacR_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.759+/-0.000 χ^2/NDF: 22025435158164051374597629542 40.0/24

Left Out: 977.738+/-0.000 χ^2/NDF:1178407872566336572325000904704.0/24

Right Out: 977.756+/-0.000 χ^2/NDF: 2840155218169489961453940113408.0/30

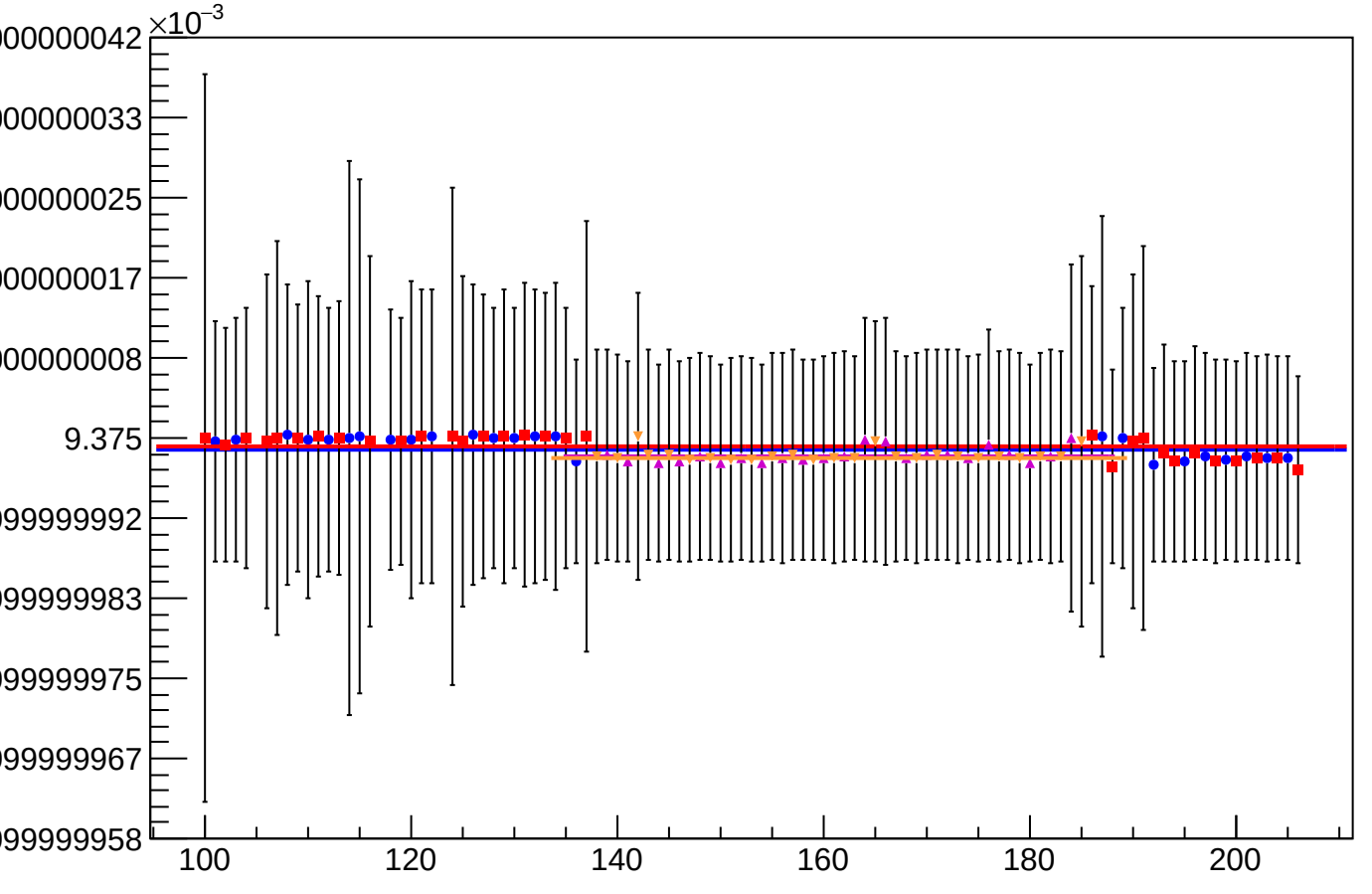
Left In: 977.735+/-0.000 χ^2/NDF:109676643760541725462707254 0672.0/22

+ sign 977.746+/-0.000 χ^2/NDF: 376063907741180

All: 977.746+/-0.000 χ^2/NDF: 810026443093

- sign 977.745+/-0.000 χ^2/NDF: 433678617190075

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/30

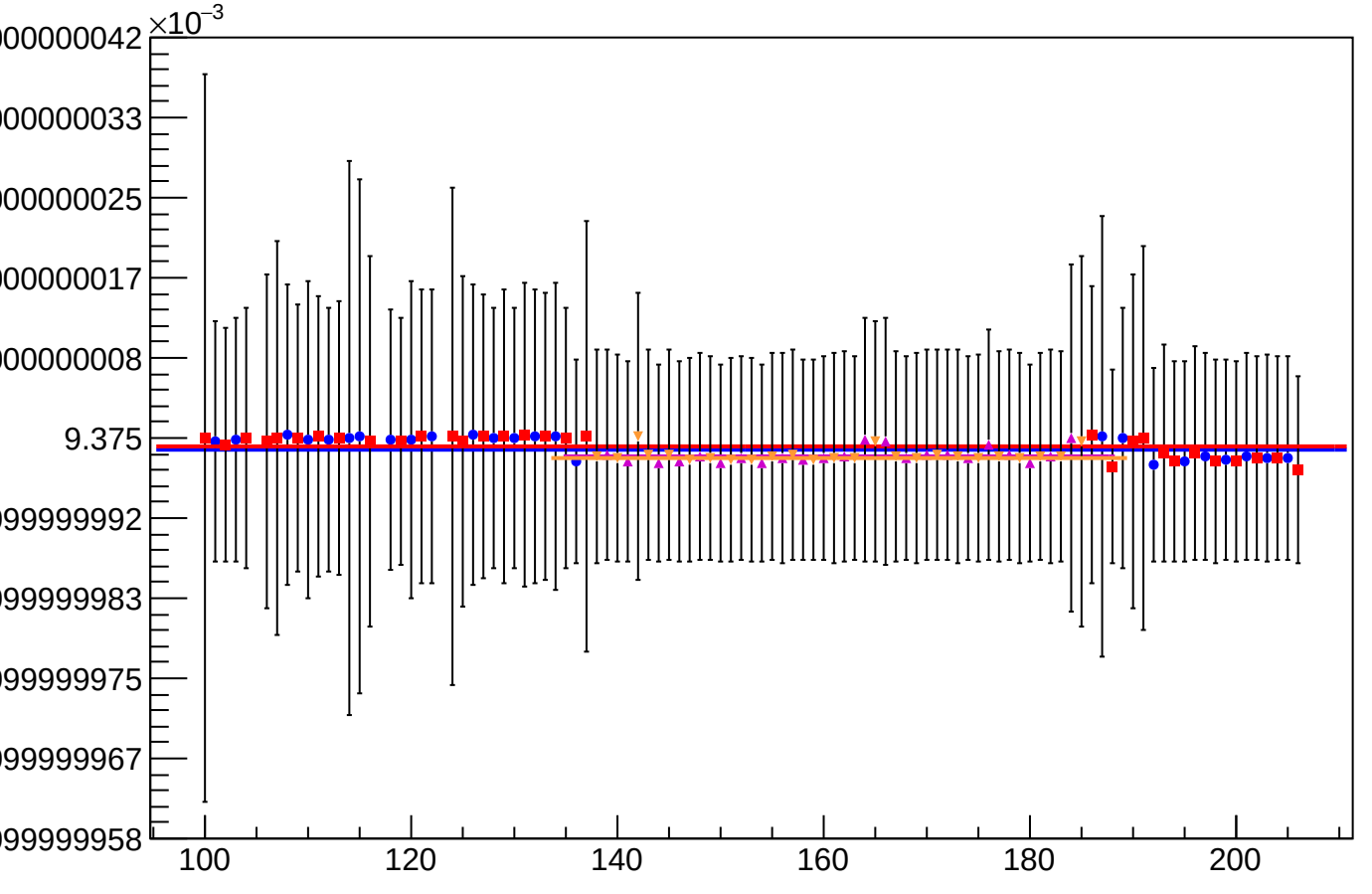
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/49

All: 0.009+/-0.000 χ^2/NDF: 1.0/103

- sign 0.009+/-0.000 χ^2/NDF: 0.4/53

MSUPERBIGBITEreadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/30

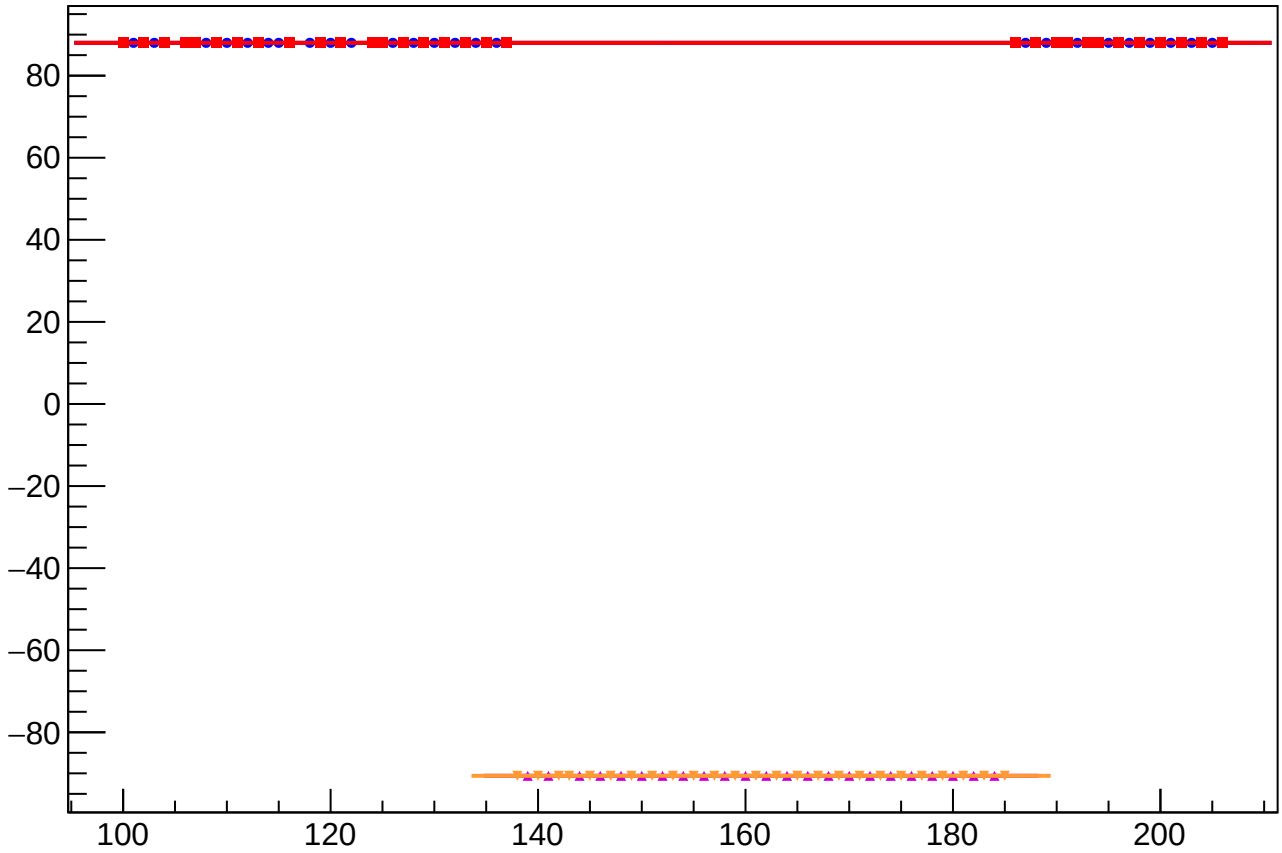
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/49

All: 0.009+/-0.000 χ^2/NDF: 1.0/103

- sign 0.009+/-0.000 χ^2/NDF: 0.4/53

VWienAngle_mean vs Slug



Right In: 88.001+/-0.000 χ^2/NDF: 3556109.2/24

Left Out: -90.599+/-0.000 χ^2/NDF:5219558.1/24

Right Out: 88.002+/-0.000 χ^2/NDF: 76274312804047448547132440576.0/30

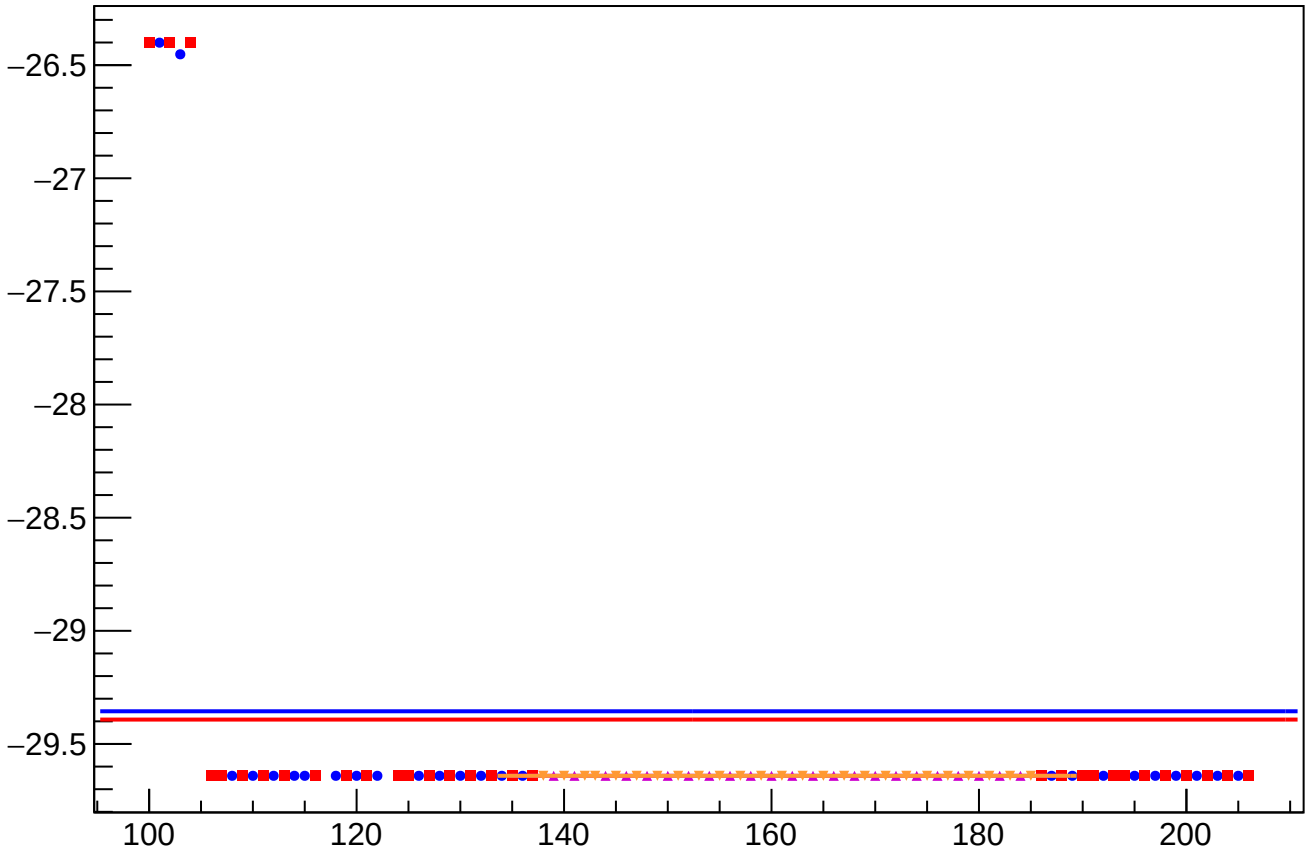
Left In: -90.599+/-0.000 χ^2/NDF:7520558.1/22

+ sign -16.135+/-0.000 χ^2/NDF: 268379168370528

All: -11.421+/-0.000 χ^2/NDF: 554903711843

- sign -6.874+/-0.000 χ^2/NDF: 2850134322978329

HWienAngle_mean vs Slug



Right In: -29.356+/-0.000 χ^2/NDF: 120552826848827299972206329384140 8.0/24

Left Out: -29.641+/-0.000 χ^2/NDF:409122.2/24

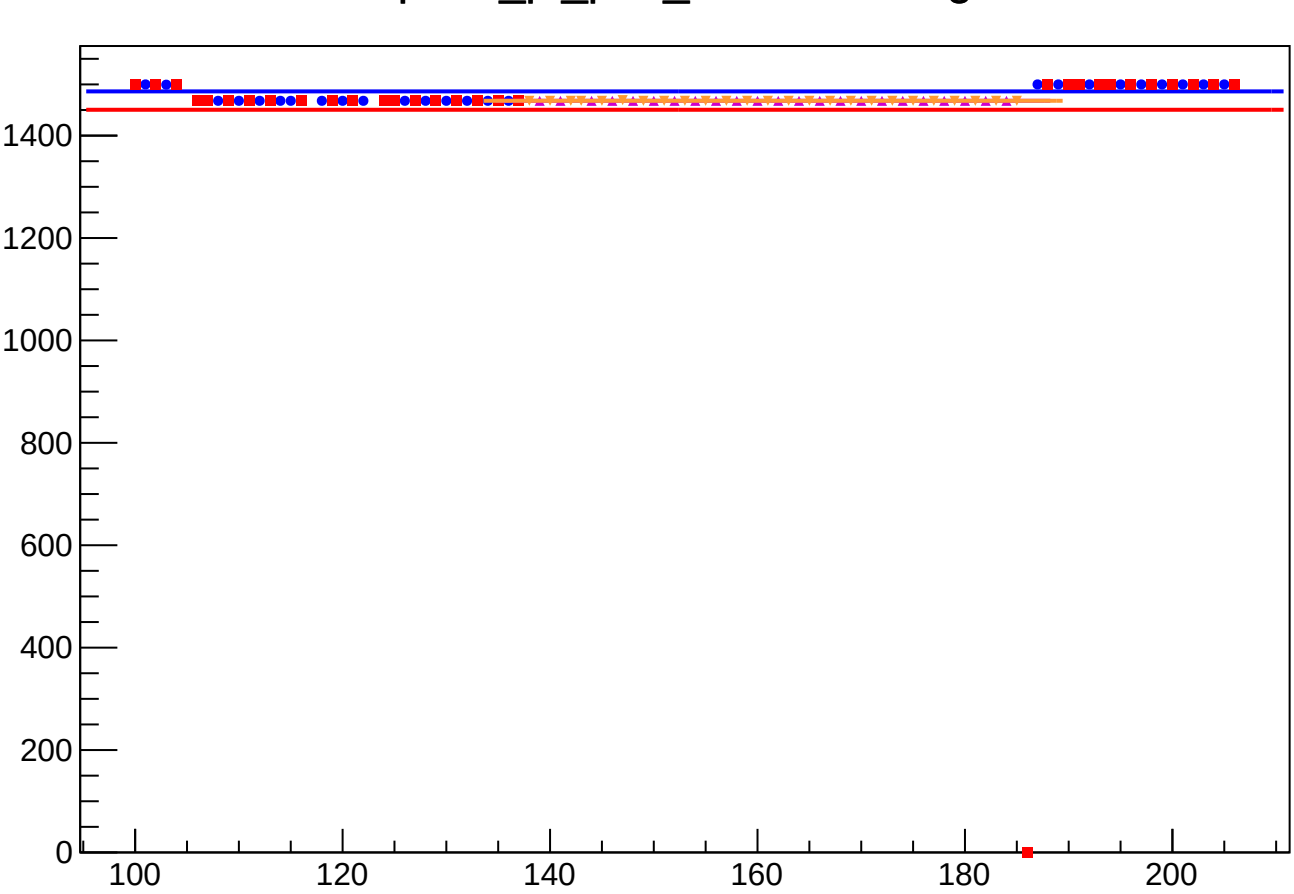
Right Out: -29.392+/-0.000 χ^2/NDF: 125033156432818435664339527951974 4.0/30

Left In: -29.641+/-0.000 χ^2/NDF:290780.4/22

+ sign -29.522+/-0.000 χ^2/NDF: 127394316806867

All: -29.523+/-0.000 χ^2/NDF: 257945628645

- sign -29.524+/-0.000 χ^2/NDF: 130550295250835



Right In: 1486.376+/-0.000 χ^2/NDF: 3606816297681227200885389290446520 32.0/24

+ sign 1475.691+/-0.000 χ^2/NDF: 64335616596594

Left Out: 1468.051+/-0.000 χ^2/NDF:139558223587677068165594208010240.0/24

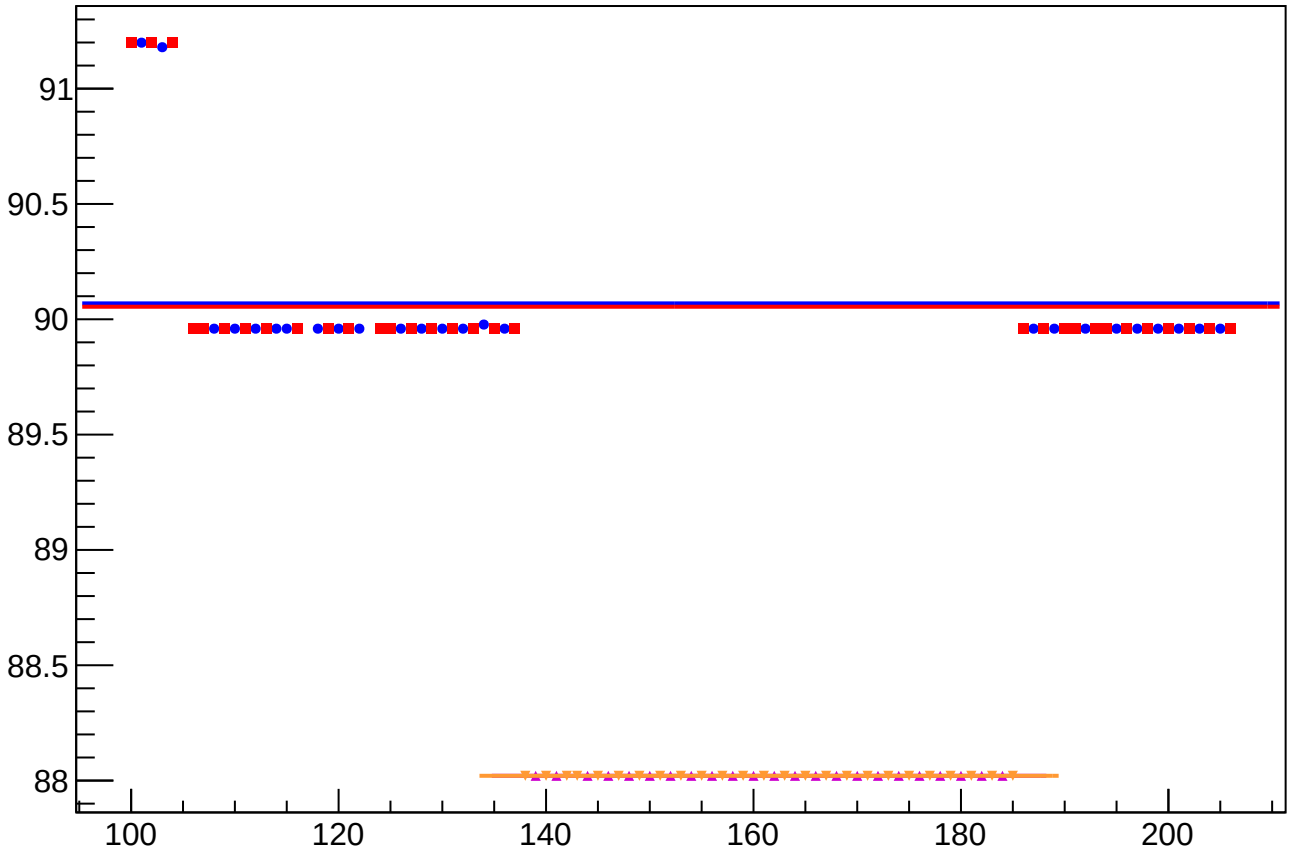
All: 1467.593+/-0.000 χ^2/NDF: 923869421 04

Right Out: 1450.476+/-0.000 χ^2/NDF: 9102349213126107960926521357008843571 2.0/30

- sign 1459.781+/-0.000 χ^2/NDF: 91297690396451

Left In: 1467.994+/-0.000 χ^2/NDF:155493808986096753755224539136.0/22

Phi_FG_mean vs Slug



Right In: 90.069+/-0.000 χ^2/NDF: 1764361561778945263507558912491520.0/24

Left Out: 88.021+/-0.000 χ^2/NDF:5113333.3/24

Right Out: 90.054+/-0.000 χ^2/NDF: 1831380328180983039885580183797760.0/30

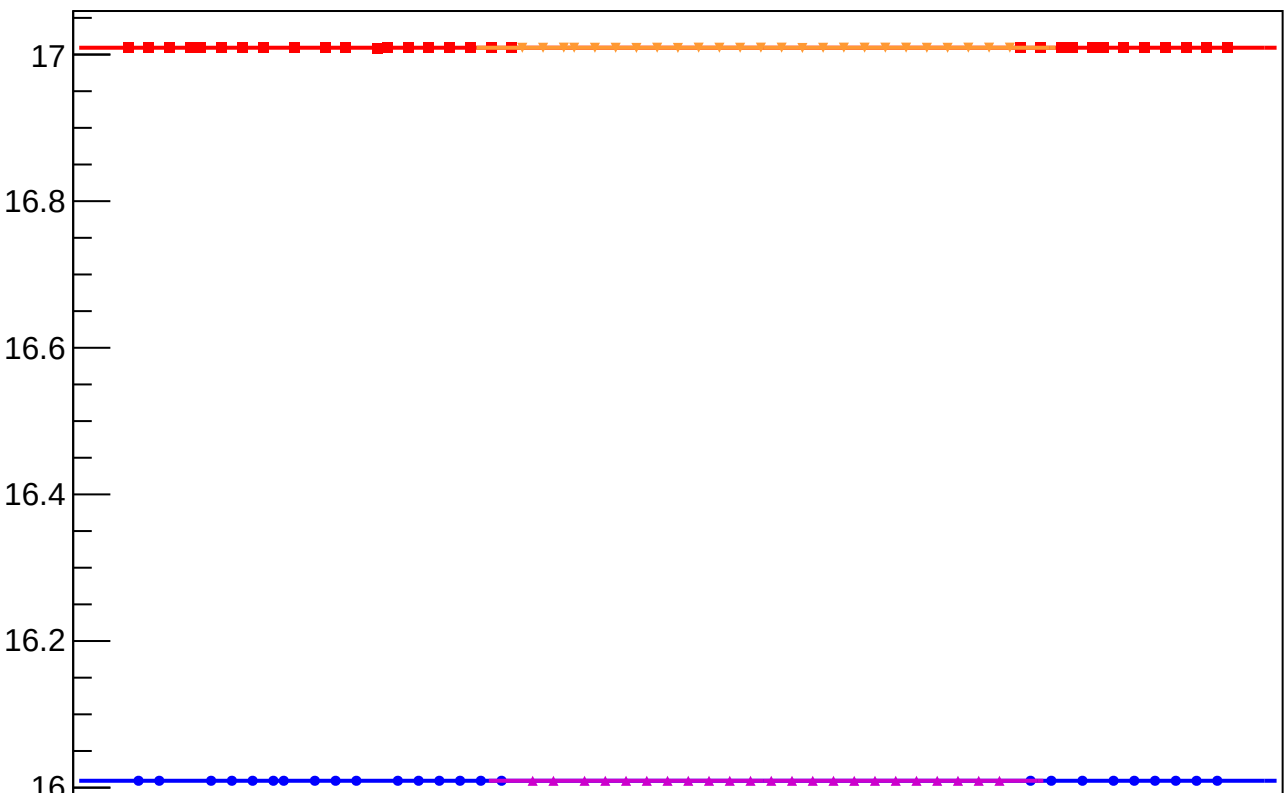
Left In: 88.021+/-0.000 χ^2/NDF:7159272.4/22

+ sign 88.875+/-0.000 χ^2/NDF: 3706106988261668

All: 88.925+/-0.000 χ^2/NDF: 760210780498

- sign 88.974+/-0.000 χ^2/NDF: 3878593885055074

IGL1I00DI24_24M_mean vs Slug



Right In: 16.009+/-0.000 χ^2/NDF: 1052929899406729234350080.0/24

Left Out: 17.009+/-0.000 χ^2/NDF:279903456758836896737525760.0/24

Right Out: 17.009+/-0.000 χ^2/NDF: 19686544174090609999478784.0/30

Left In: 16.009+/-0.000 χ^2/NDF:12468791216706352368844 8.0/22

+ sign 16.581+/-0.000 χ^2/NDF: 8021125374448802

All: 16.533+/-0.000 χ^2/NDF: 166030703670

- sign 16.486+/-0.000 χ^2/NDF: 8432979534613191

IGL1I00OD16_16_mean vs Slug

Right In: 17.009+/-0.000 χ^2/NDF: 1053176725975023359098880.0/24

Left Out: 16.009+/-0.000 χ^2/NDF:2818892758481805649117184.0/24

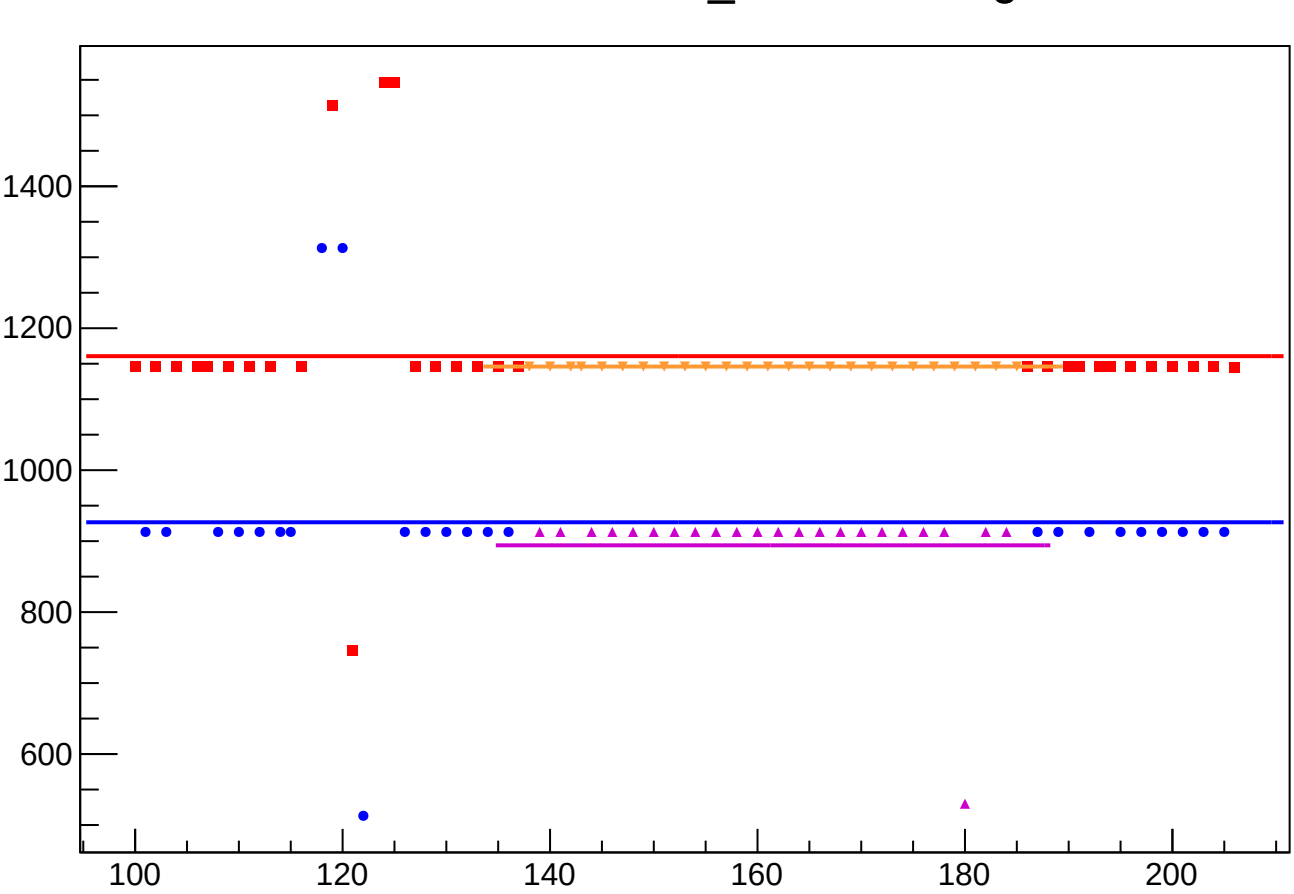
Right Out: 16.009+/-0.000 χ^2/NDF: 651826.3/30

Left In: 17.009+/-0.000 χ^2/NDF:11100710442088156626944O.0/22

+ sign 16.424+/-0.000 χ^2/NDF: 8252747989661911

All: 16.480+/-0.000 χ^2/NDF: 172896473595

- sign 16.535+/-0.000 χ^2/NDF: 8821564479653462



Right In: 926.578+/-0.000 χ^2/NDF: 213351578438772560829630082469792317440.0/24

+ sign 1054.528+/-0.000 χ^2/NDF: 6185114381231

Left Out: 1146.020+/-0.000 χ^2/NDF:3703071297941871459906430697472.0/24

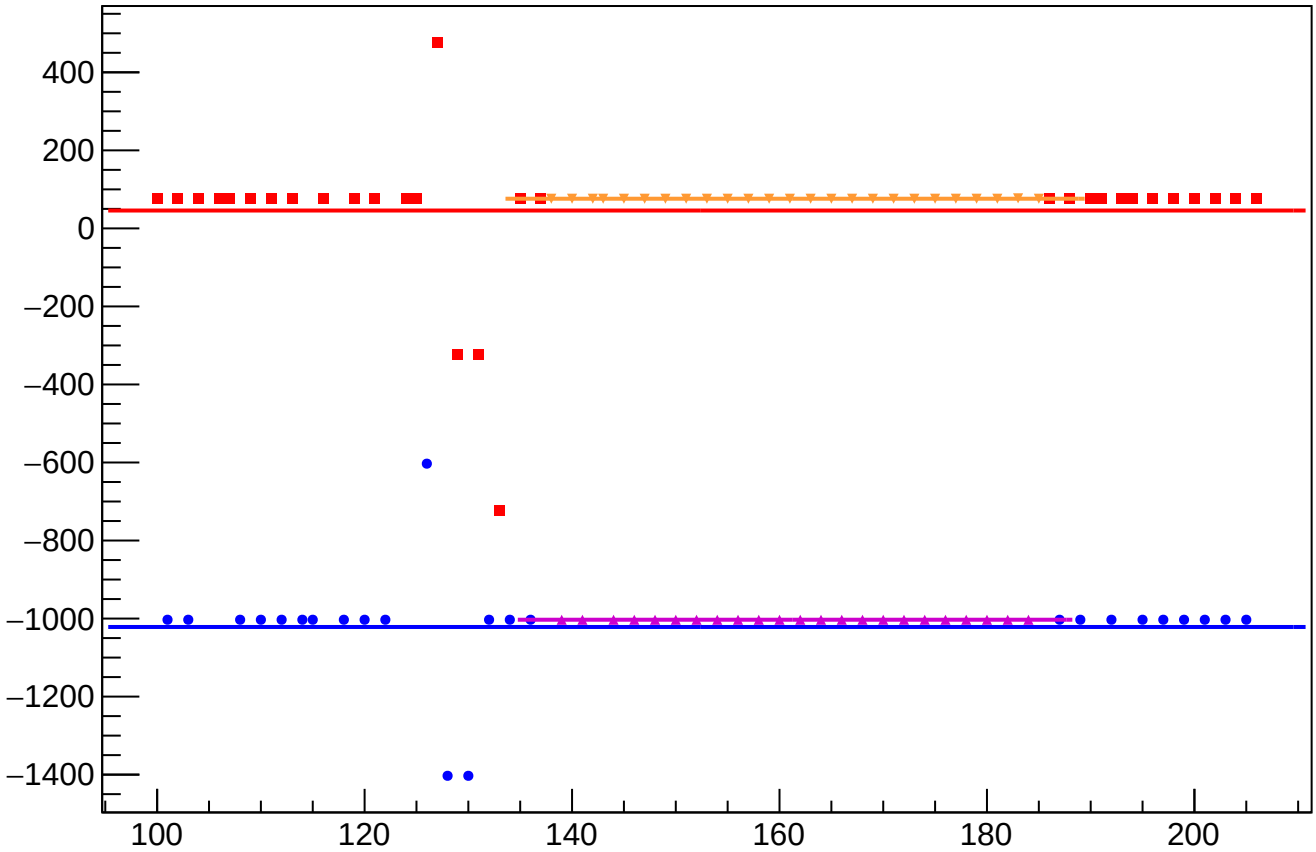
All: 1036.471+/-0.000 χ^2/NDF: 1632357095

Right Out: 1160.638+/-0.000 χ^2/NDF: 22586765364382528451258555586278588416.0/30

- sign 1019.053+/-0.000 χ^2/NDF: 99167557117308

Left In: 894.107+/-0.000 χ^2/NDF:131072382992117127838961838029642137600.0/22

RTPAPOSVCNT_mean vs Slug



Right In: -1021.562+/-0.000 χ^2/NDF: 233419108705453793299940518136444354560.0/24

+ sign -381.577+/-0.000 χ^2/NDF: 10369863869793

Left Out: 76.053+/-0.000 χ^2/NDF:8137119629458086651457121026048 0.0/24

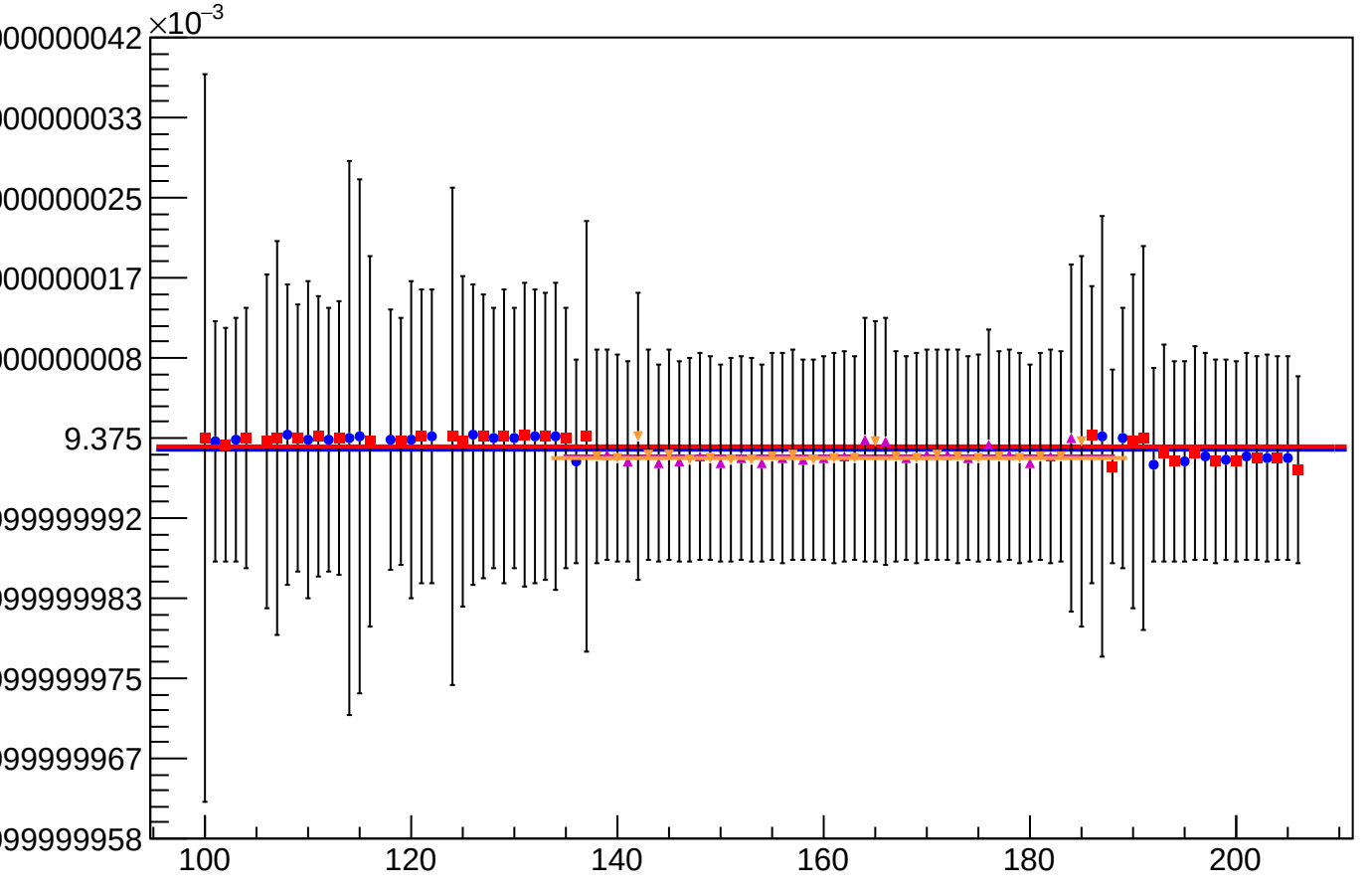
All: -447.622+/-0.000 χ^2/NDF: 2097385161

Right Out: 45.808+/-0.000 χ^2/NDF: 47905507479736857514071241240671682560.0/30

- sign -511.329+/-0.000 χ^2/NDF: 103074006885390

Left In: -1002.990+/-0.000 χ^2/NDF:29519559033483147530972692 48.0/22

RTPPITA1CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/30

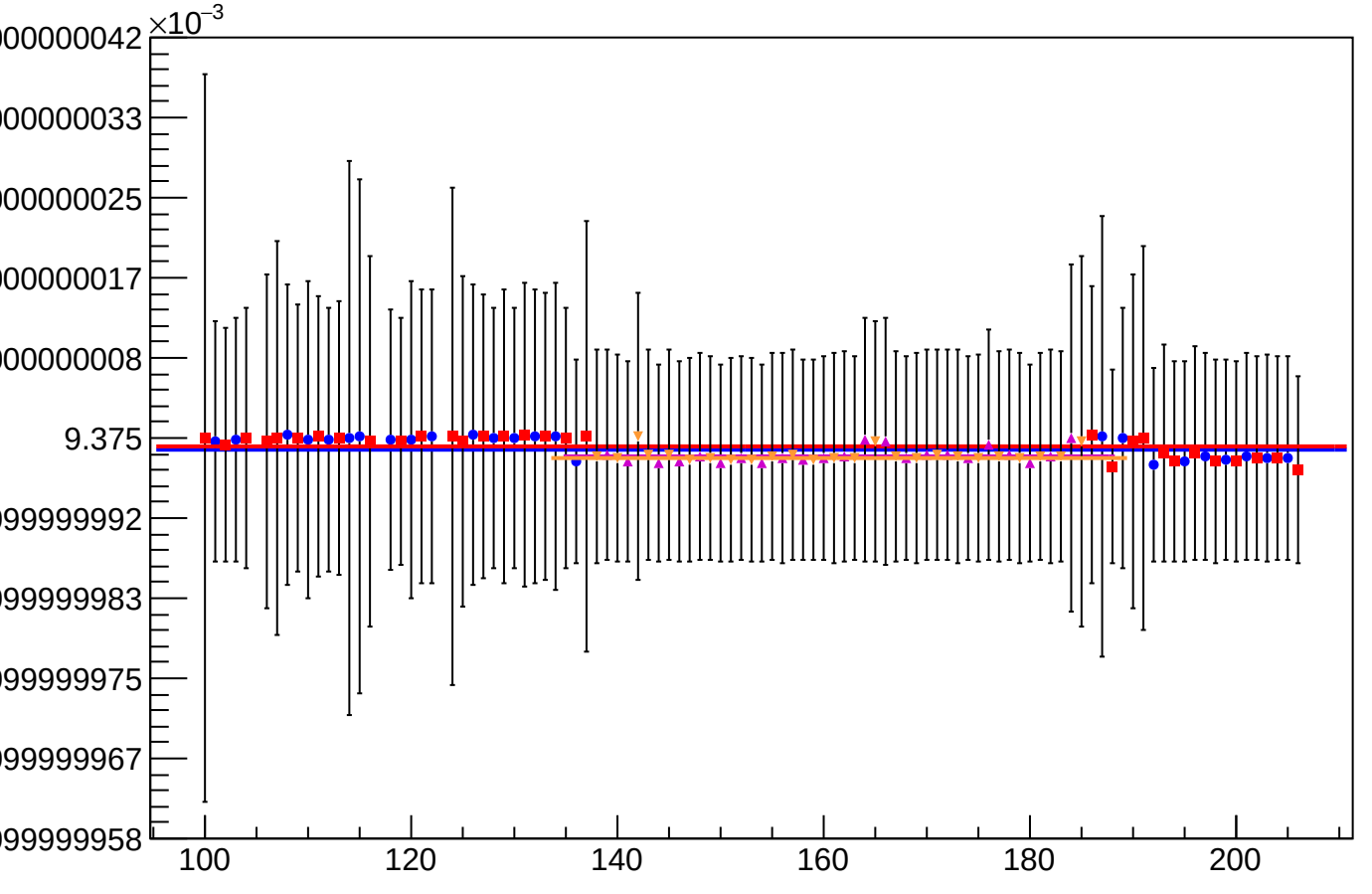
Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/49

All: 0.009+/-0.000 χ^2/NDF: 1.0/103

- sign 0.009+/-0.000 χ^2/NDF: 0.4/53

RTPPITA2CNT_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF: 0.2/24

Left Out: 0.009+/-0.000 χ^2/NDF:0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF: 0.3/30

Left In: 0.009+/-0.000 χ^2/NDF:0.1/22

+ sign 0.009+/-0.000 χ^2/NDF: 0.3/49

All: 0.009+/-0.000 χ^2/NDF: 1.0/103

- sign 0.009+/-0.000 χ^2/NDF: 0.4/53